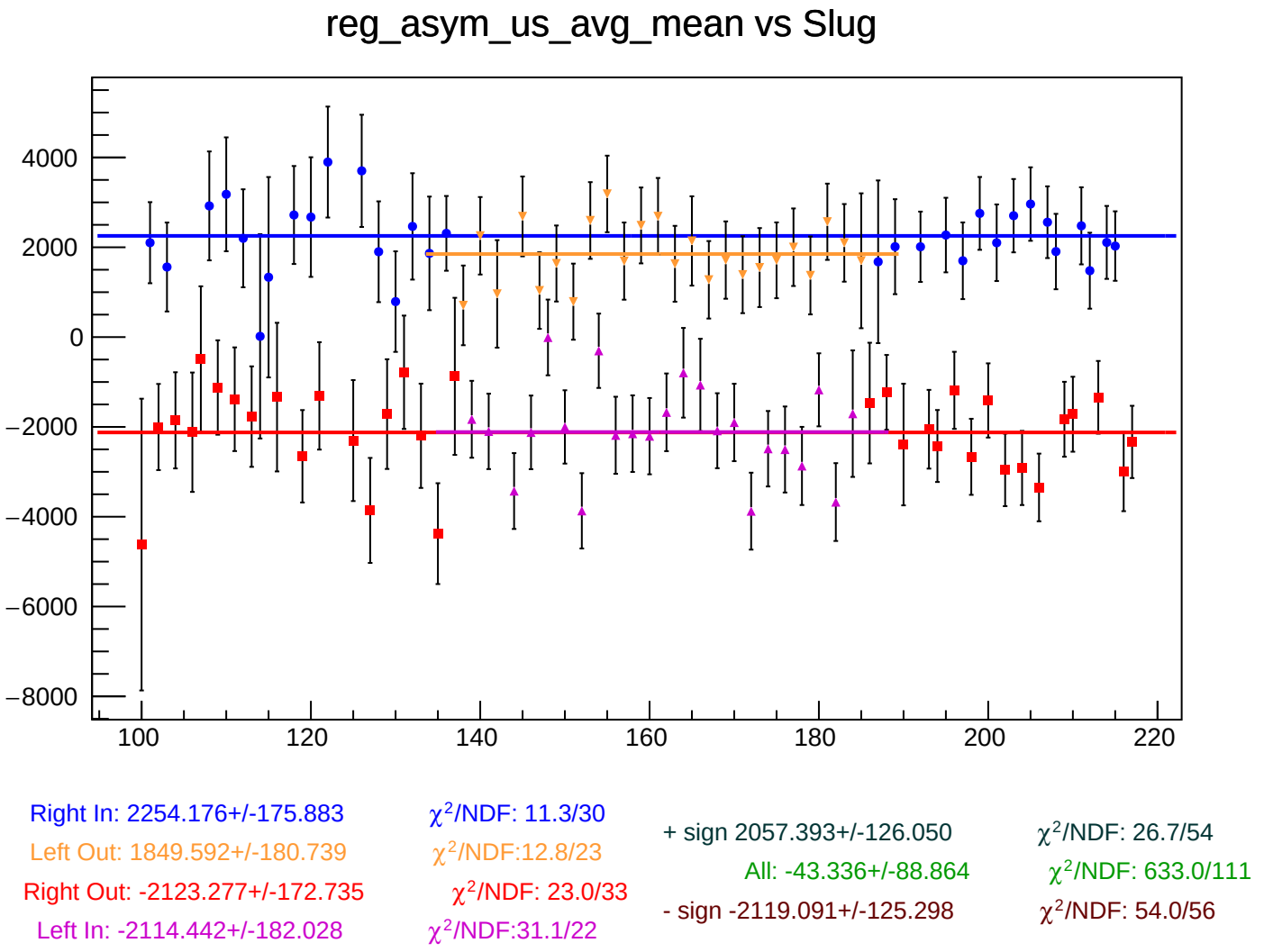


Right In: 2254.176+/-175.883 χ^2/NDF: 11.3/30

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

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

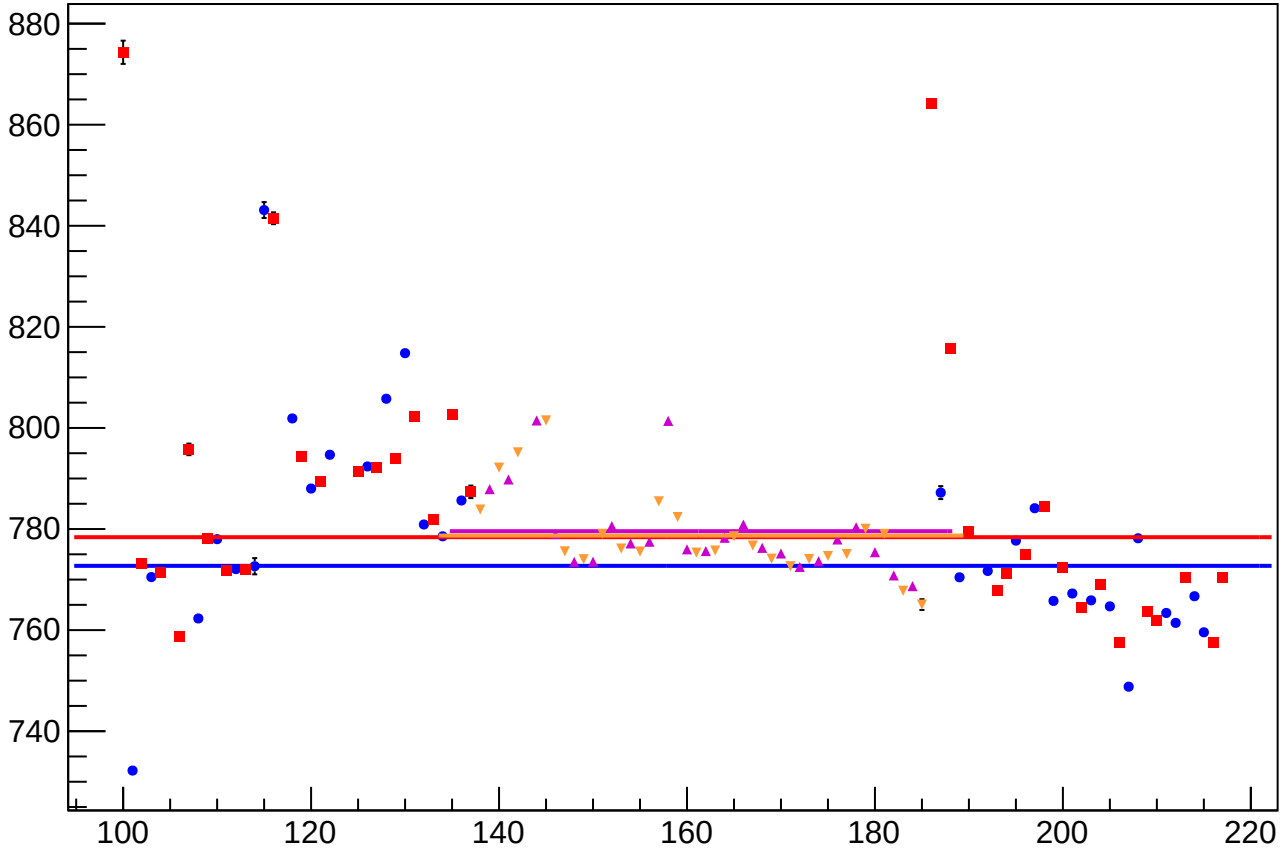
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2057.393+/-126.050 χ^2/NDF: 26.7/54

All: -43.336+/-88.864 χ^2/NDF: 633.0/111

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

reg_asym_us_avg_rms vs Slug



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

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

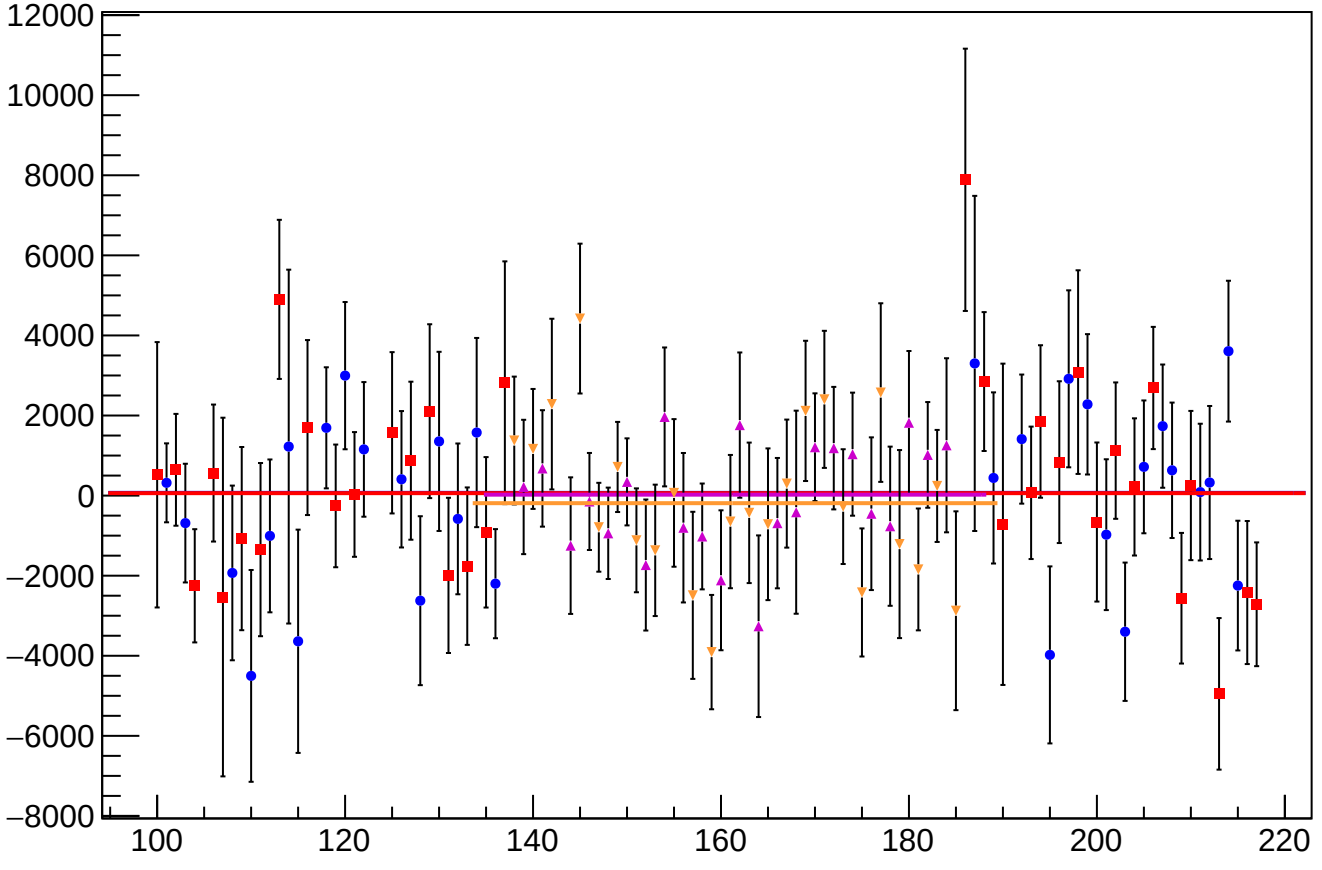
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.632+/-0.089 χ^2/NDF: 23017.2/54

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111

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

asym_us_avg_reg_correction_mean vs Slug



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

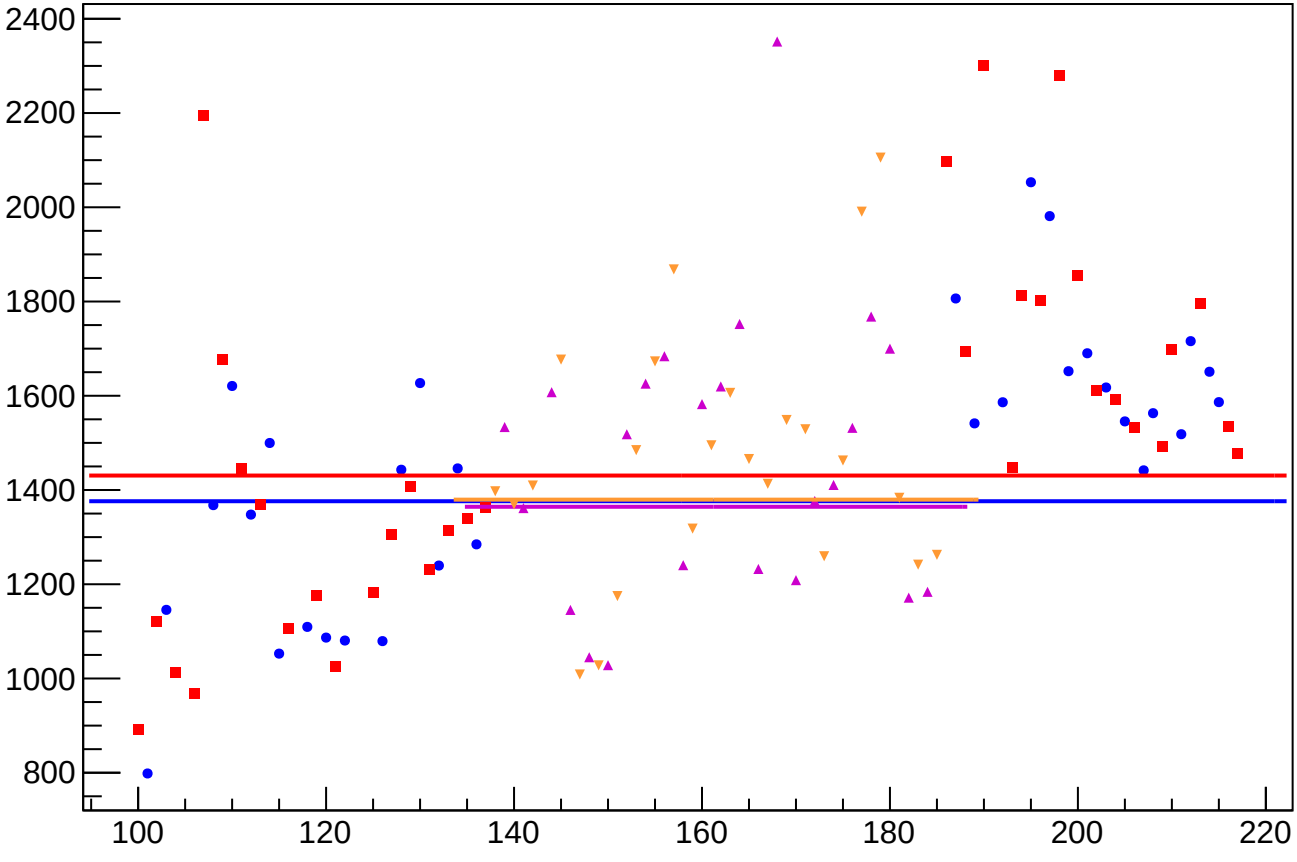
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -58.358+/-229.839 χ^2/NDF: 65.4/54

All: -8.079+/-162.743 χ^2/NDF: 123.2/111

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1376.192+/-0.228 χ^2/NDF: 1821115.0/30

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

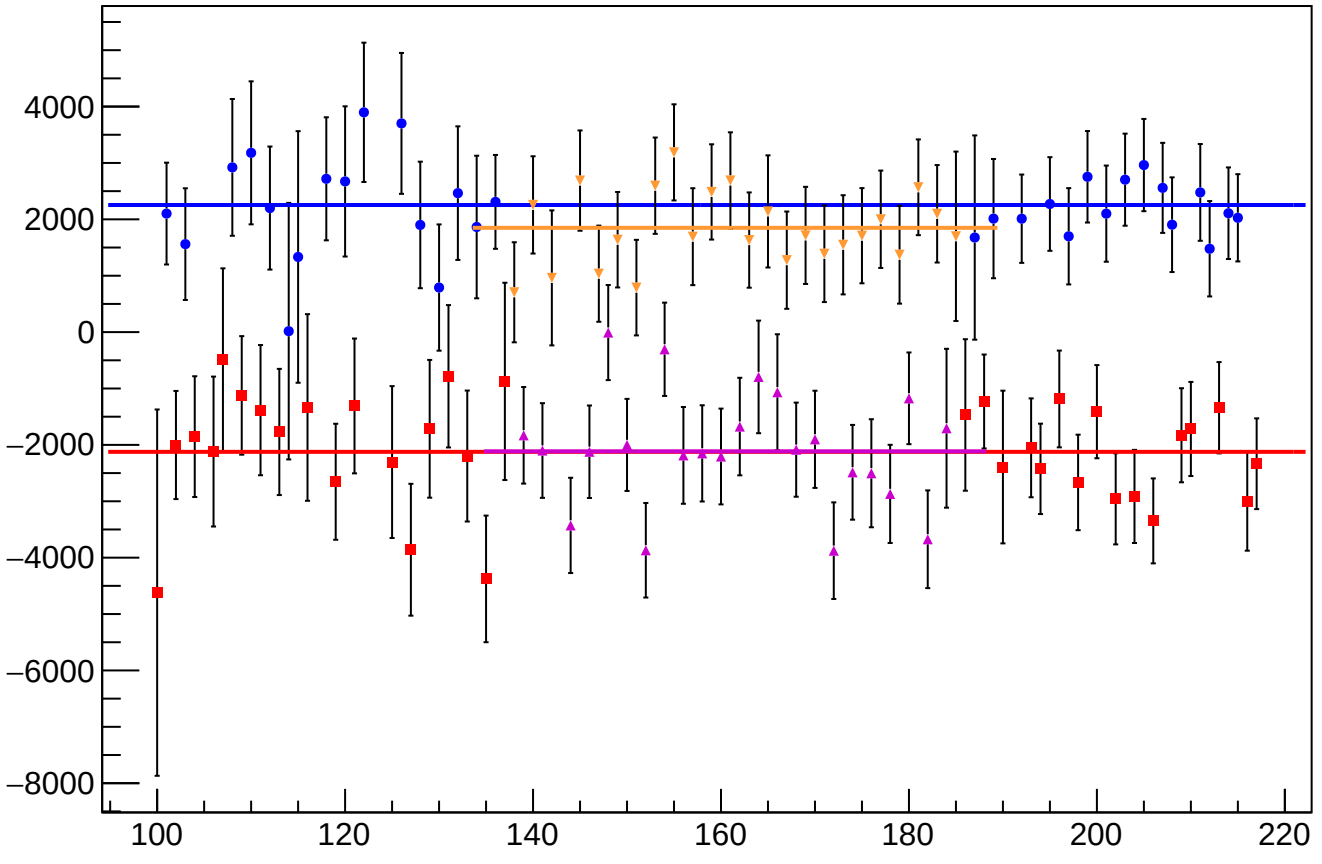
Right Out: 1430.678+/-0.231 χ^2/NDF: 1725673.5/33

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

+ sign 1377.837+/-0.163 χ^2/NDF: 2979689.3/54

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11

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



Right In: 2254.176+/-175.883 χ^2/NDF: 11.3/30

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

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

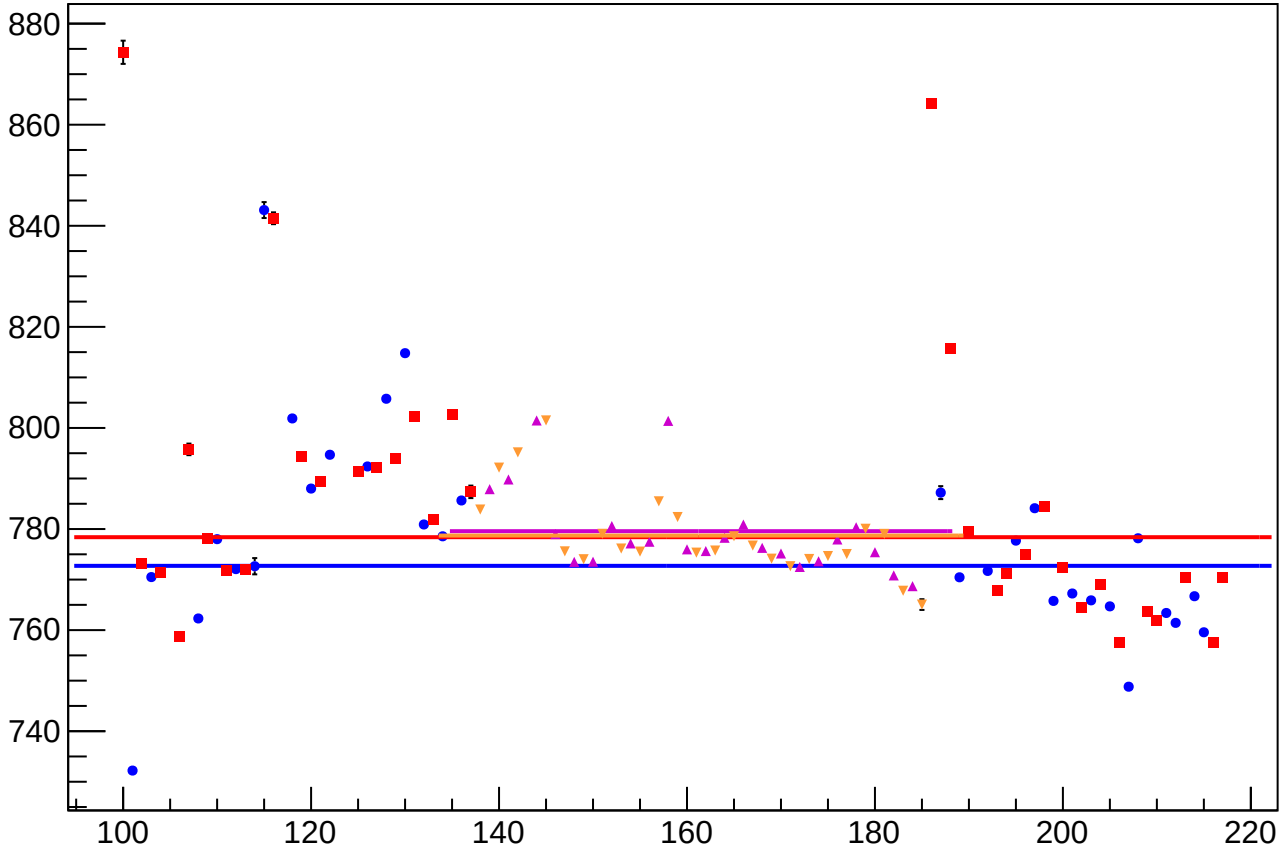
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2057.393+/-126.050 χ^2/NDF: 26.7/54

All: -43.336+/-88.864 χ^2/NDF: 633.0/111

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

cor_asym_us_avg_rms vs Slug



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

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

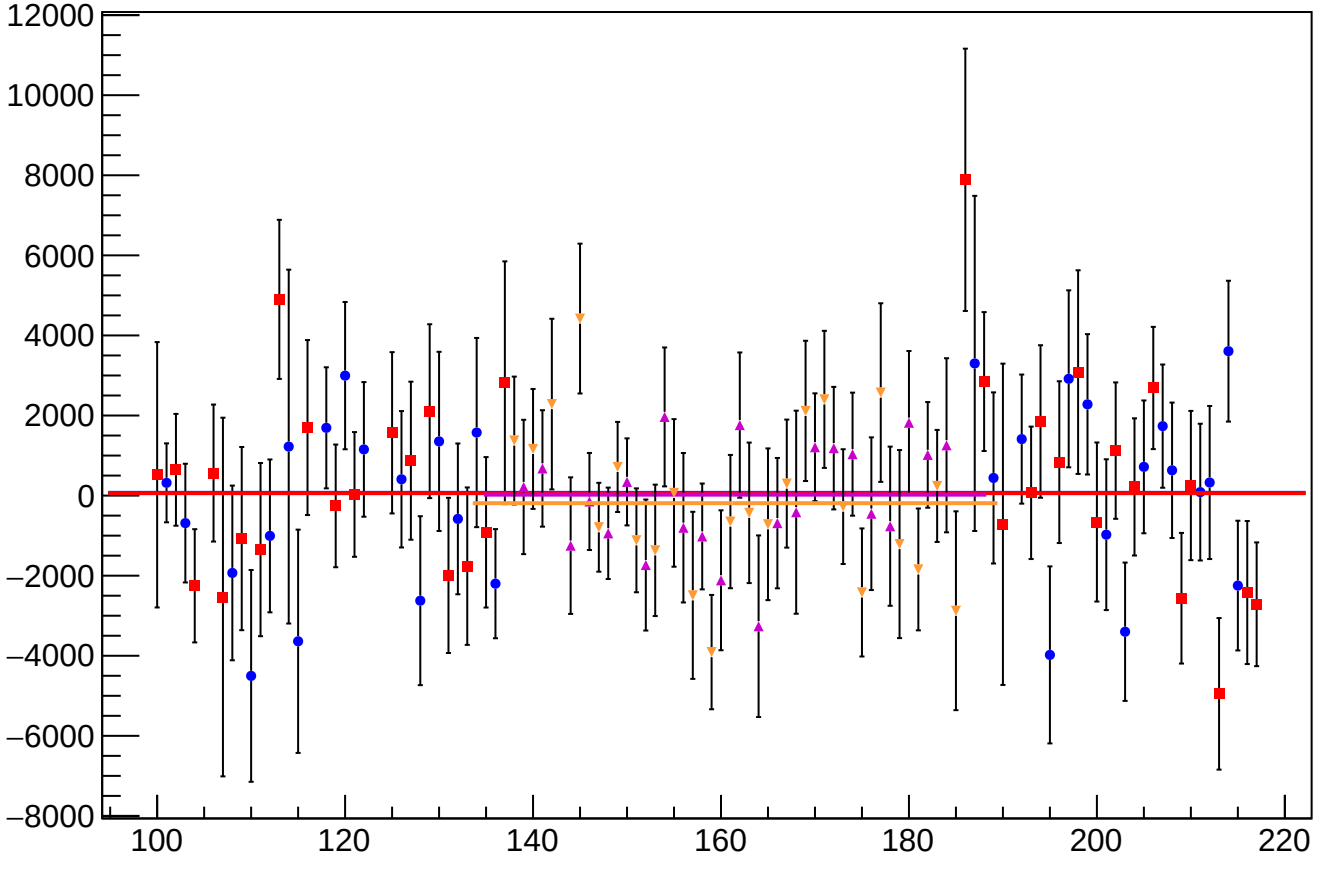
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.632+/-0.089 χ^2/NDF: 23017.2/54

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111

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

asym_us_avg_cor_correction_mean vs Slug



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

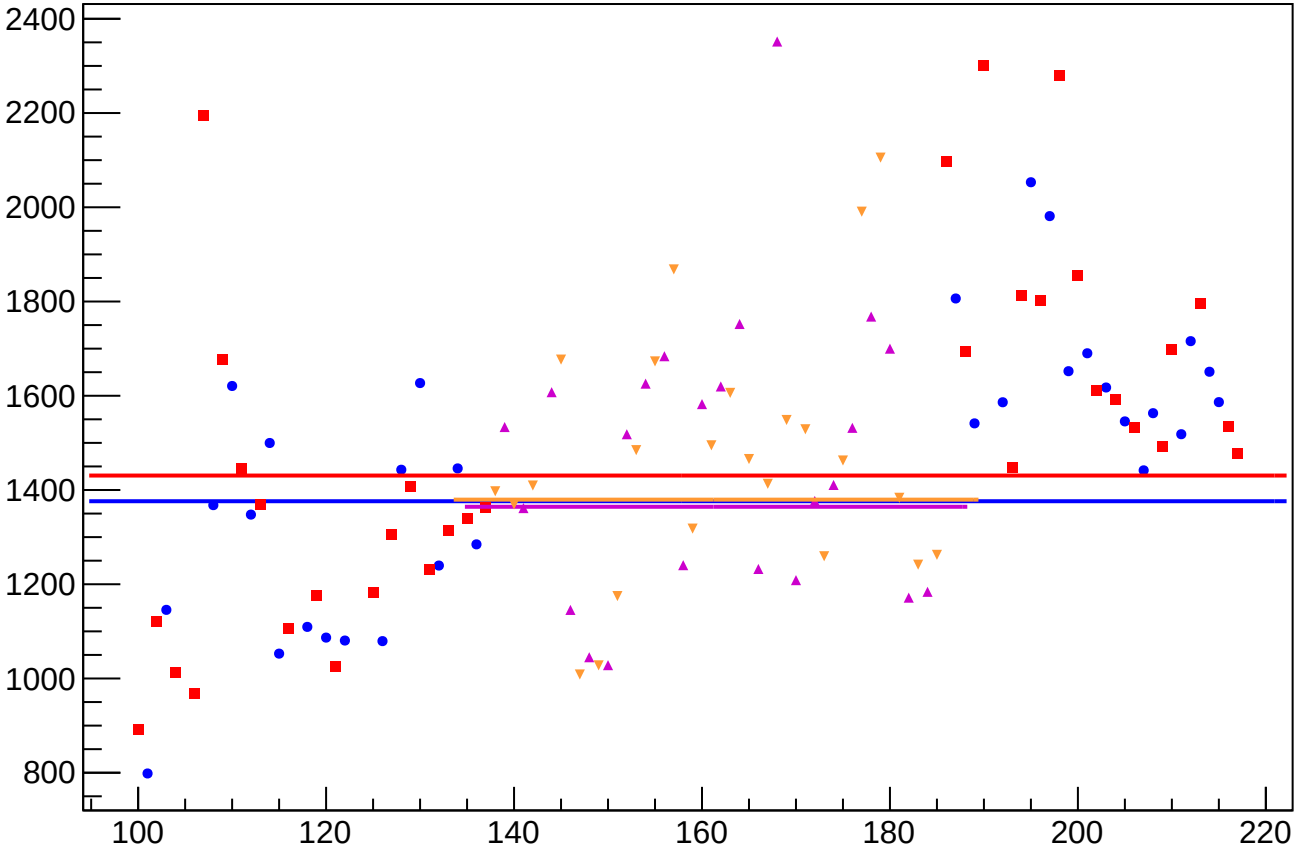
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -58.358+/-229.839 χ^2/NDF: 65.4/54

All: -8.079+/-162.743 χ^2/NDF: 123.2/111

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

asym_us_avg_cor_correction_rms vs Slug



Right In: 1376.192+/-0.228 χ^2/NDF: 1821115.0/30

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

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

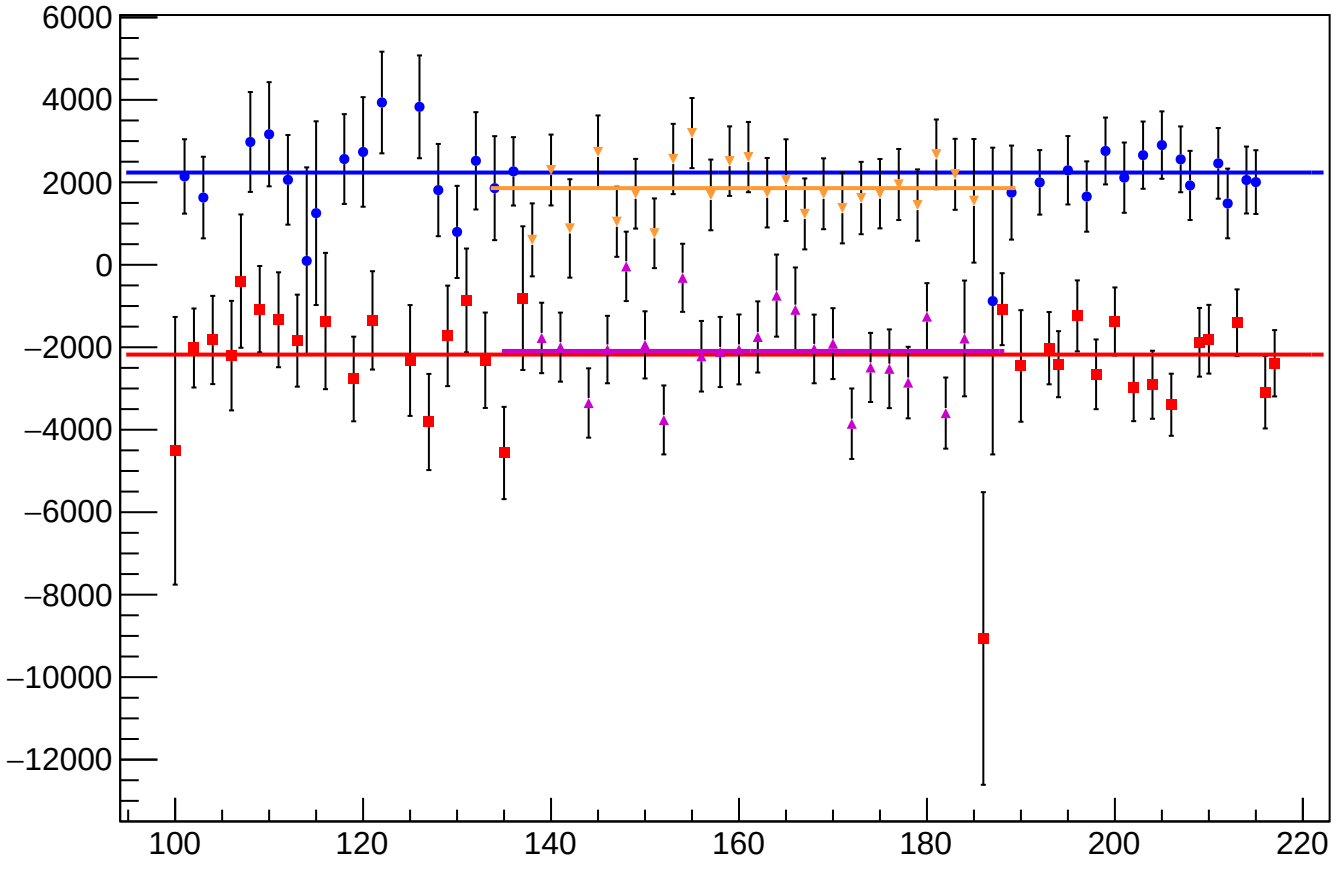
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1377.837+/-0.163 χ^2/NDF: 2979689.3/54

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2237.271+/-176.601 χ^2/NDF: 12.2/30

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

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

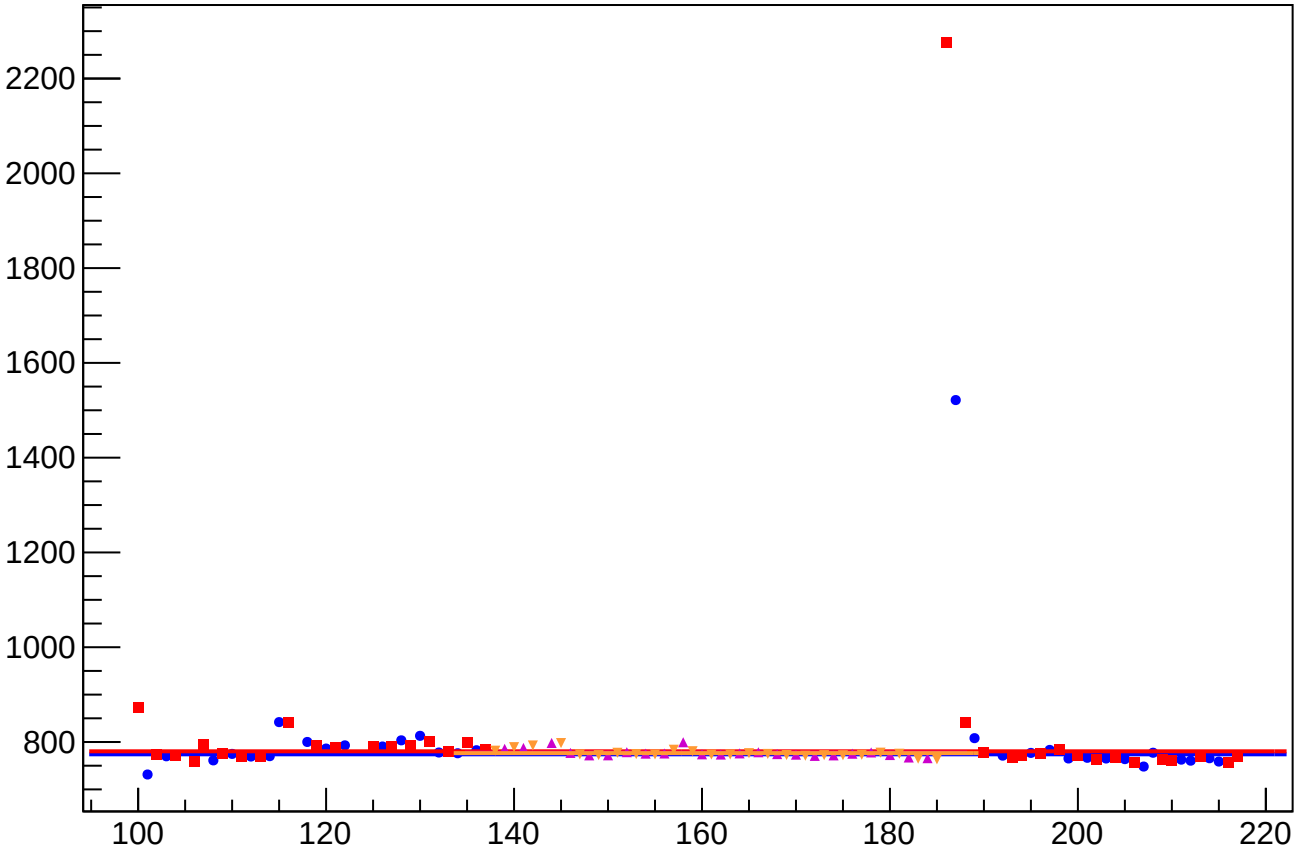
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2052.242+/-126.139 χ^2/NDF: 28.0/54

All: -49.720+/-89.019 χ^2/NDF: 638.7/111

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 774.039+/-0.125 χ^2/NDF: 100566.0/30

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

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

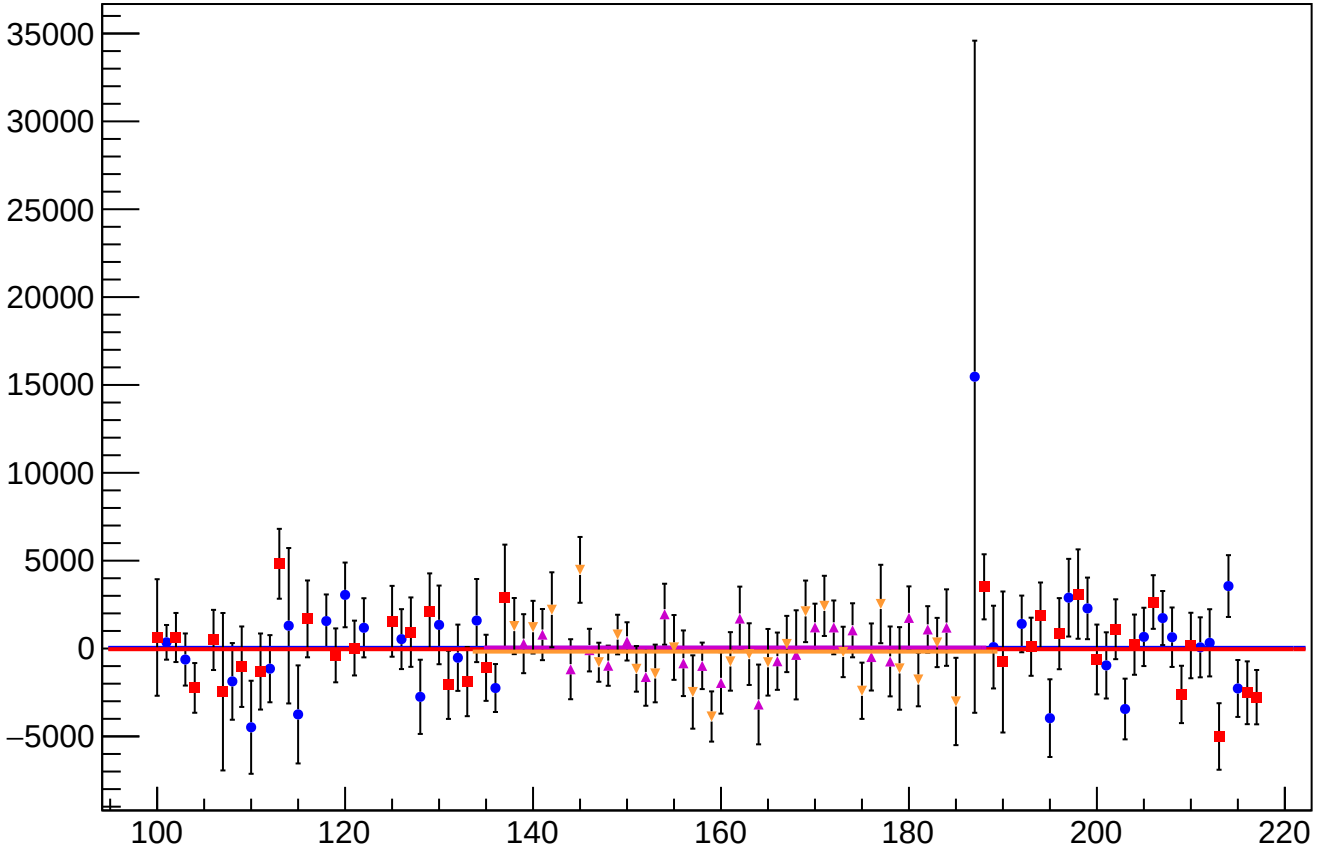
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 775.255+/-0.089 χ^2/NDF: 103897.0/54

All: 777.114+/-0.063 χ^2/NDF: 490110.7/111

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

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 39.332+/-324.246 χ^2/NDF: 35.8/30

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

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

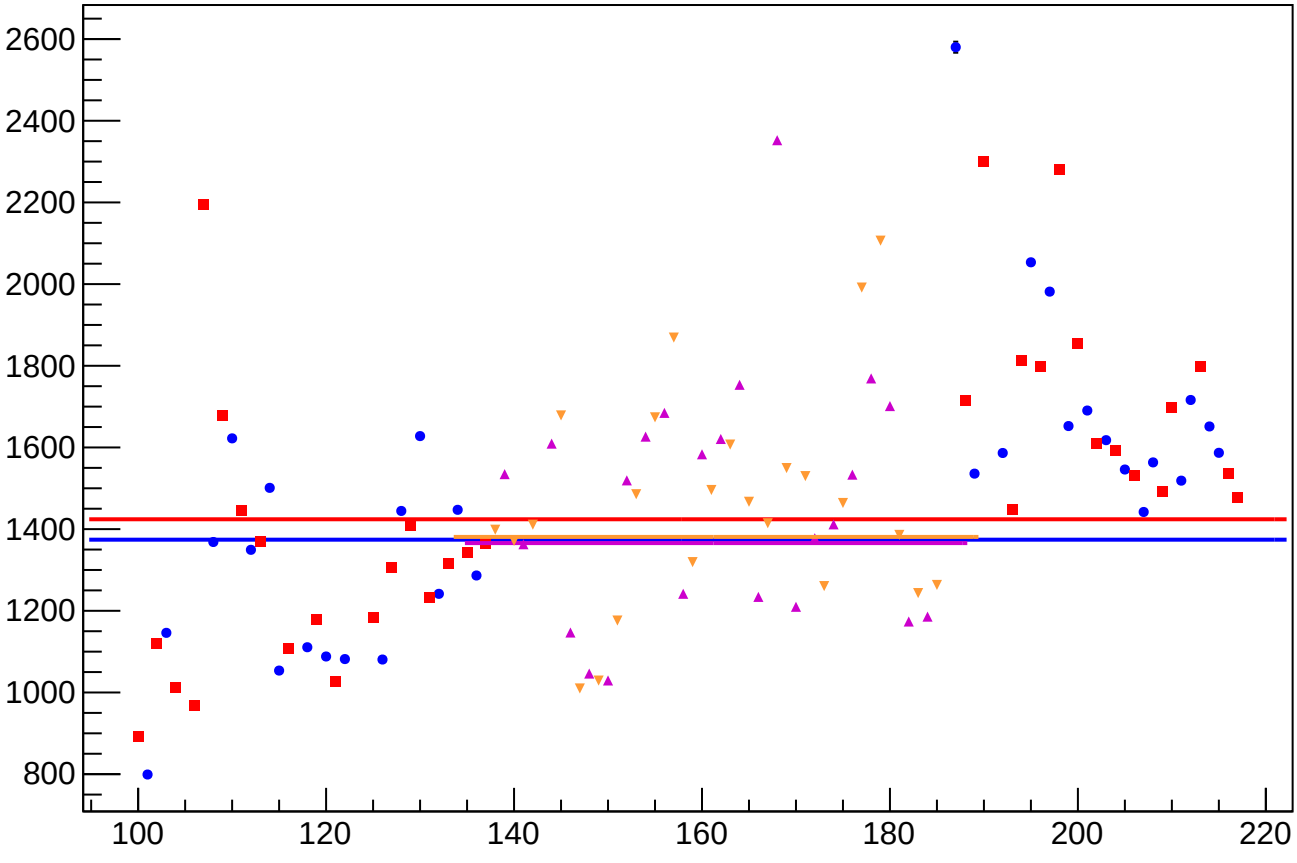
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

\+ sign -66.570+/-230.589 χ^2/NDF: 65.6/54

All: -29.569+/-163.364 χ^2/NDF: 118.4/110

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

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1374.166+/-0.229 χ^2/NDF: 1799920.7/30

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

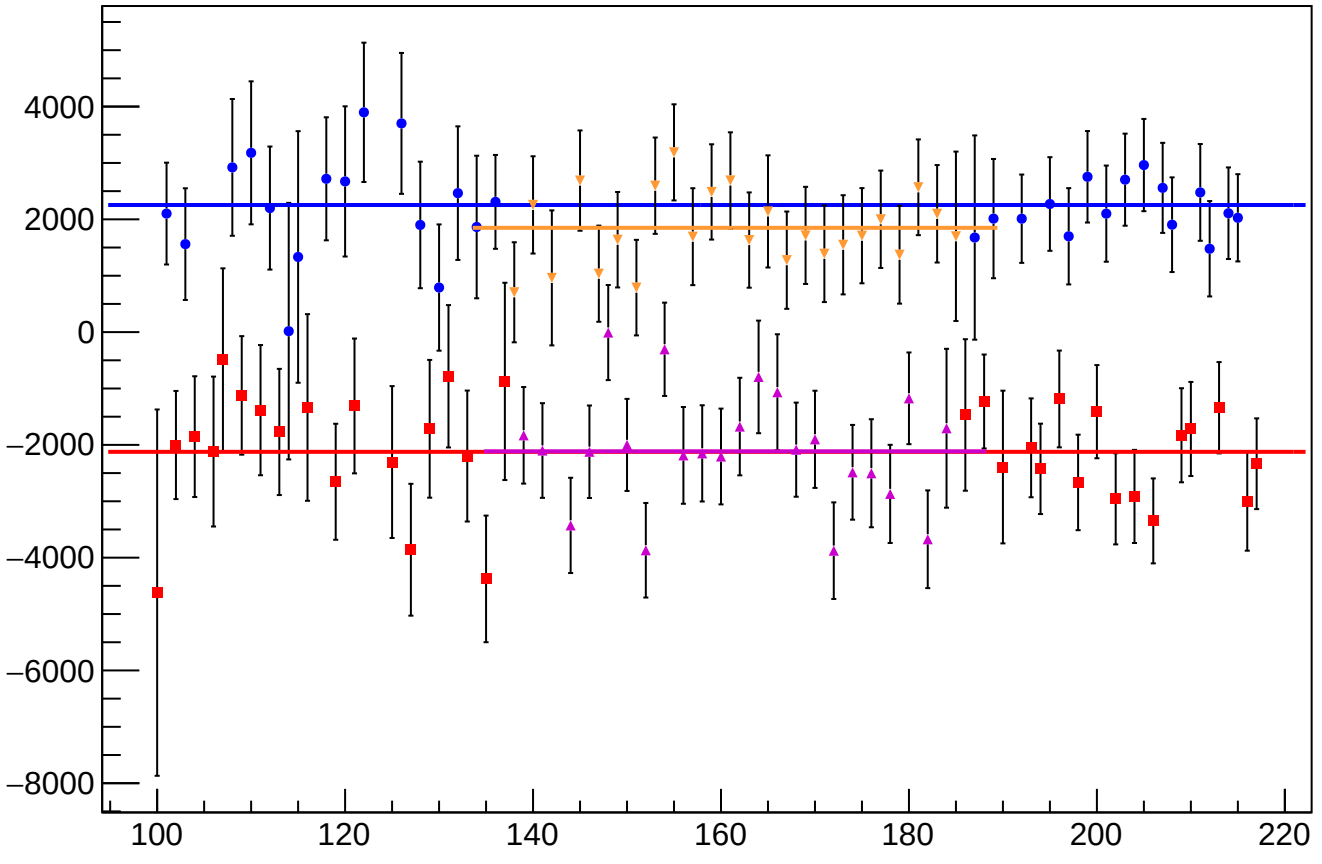
Right Out: 1424.135+/-0.232 χ^2/NDF: 1636145.4/32

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

+ sign 1377.520+/-0.163 χ^2/NDF: 2955791.4/54

All: 1386.103+/-0.116 χ^2/NDF: 5938103.7/11

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



Right In: 2254.176+/-175.883 χ^2/NDF: 11.3/30

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

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

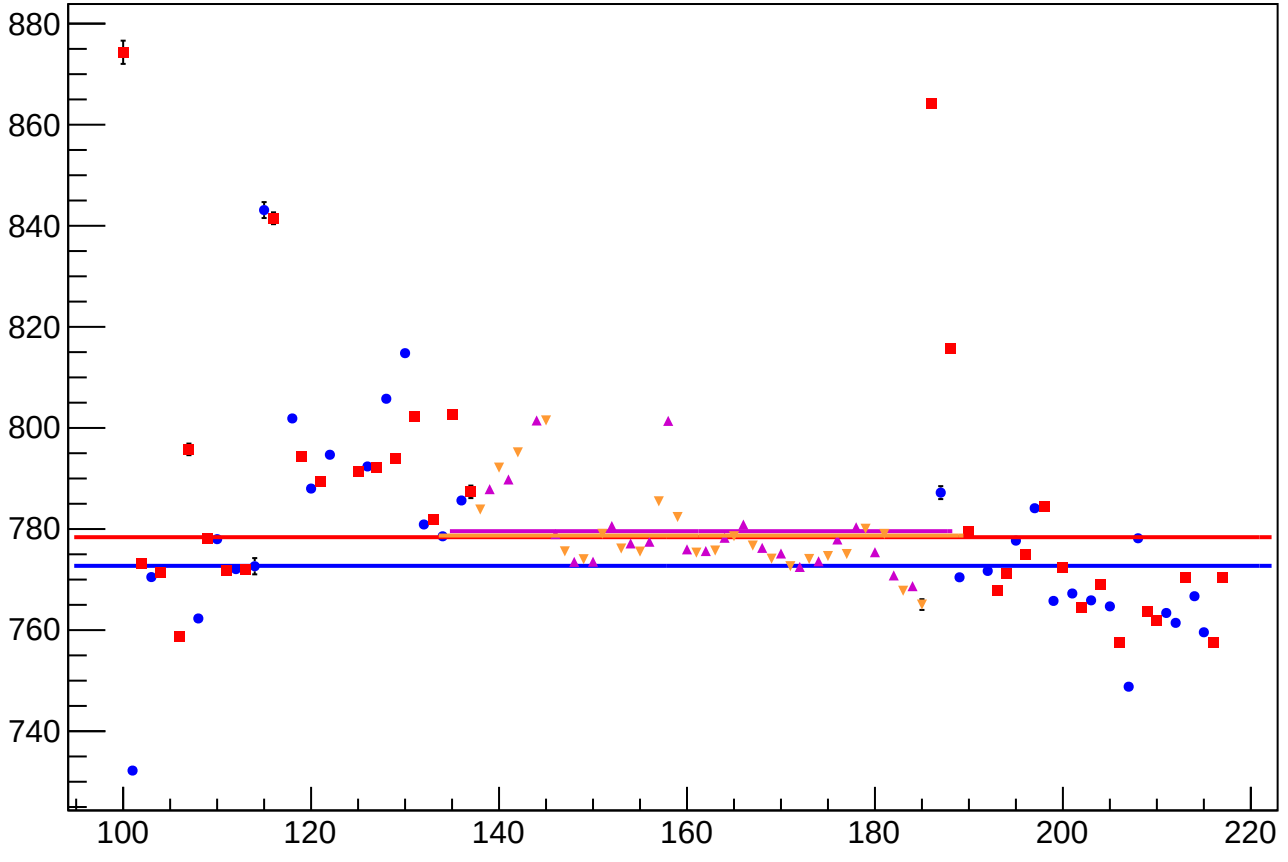
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2057.393+/-126.050 χ^2/NDF: 26.7/54

All: -43.336+/-88.864 χ^2/NDF: 633.0/111

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

eigen_cor_asym_us_avg_rms vs Slug



Right In: 772.718+/-0.124 χ^2/NDF: 18499.0/30

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

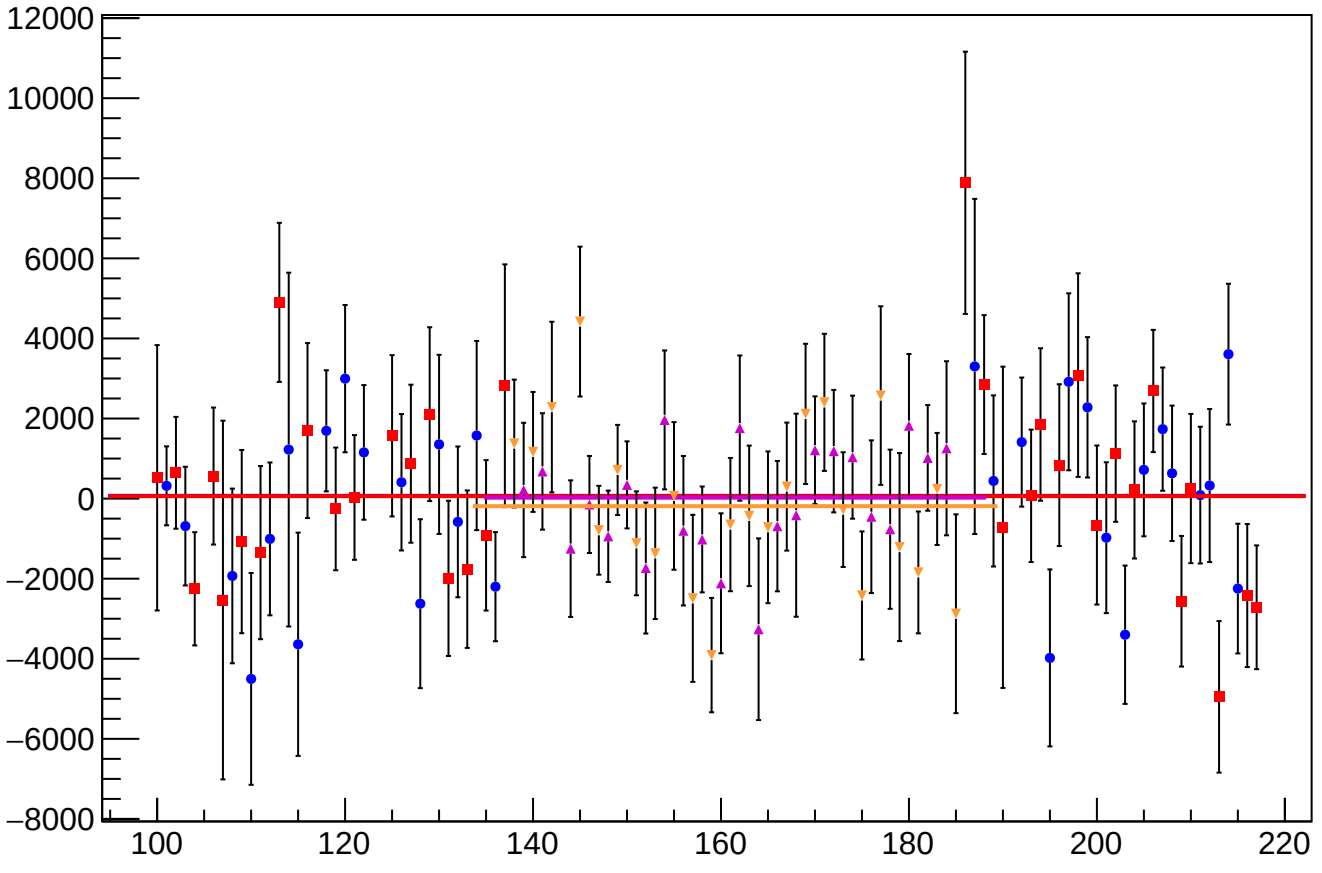
Right Out: 778.386+/-0.122 χ^2/NDF: 26922.3/33

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

+ sign 775.632+/-0.089 χ^2/NDF: 23017.2/54

All: 777.300+/-0.063 χ^2/NDF: 54854.3/111

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



Right In: 68.174+/-322.471 χ^2/NDF: 35.5/30

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

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

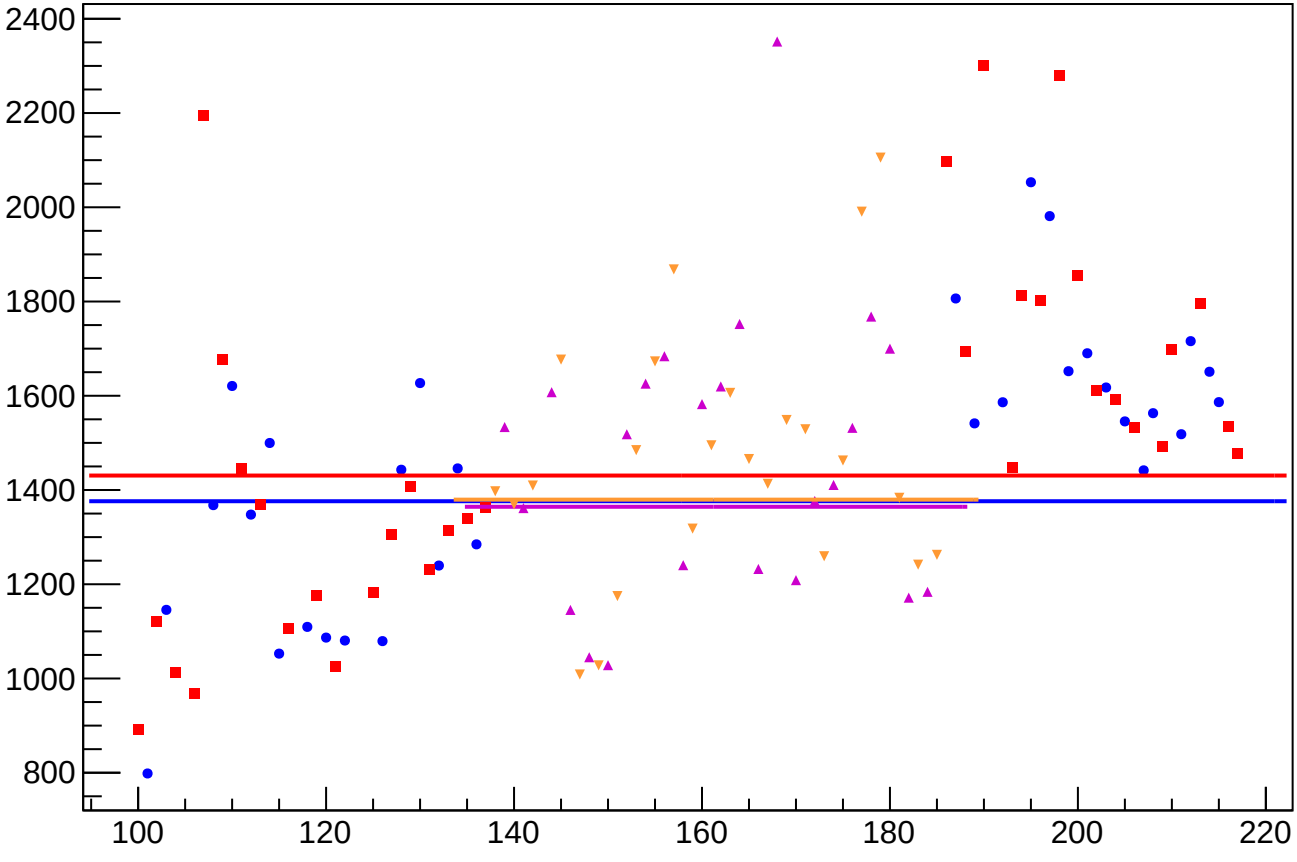
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -58.358+/-229.839 χ^2/NDF: 65.4/54

All: -8.079+/-162.743 χ^2/NDF: 123.2/111

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

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1376.192+/-0.228 χ^2/NDF: 1821115.0/30

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

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

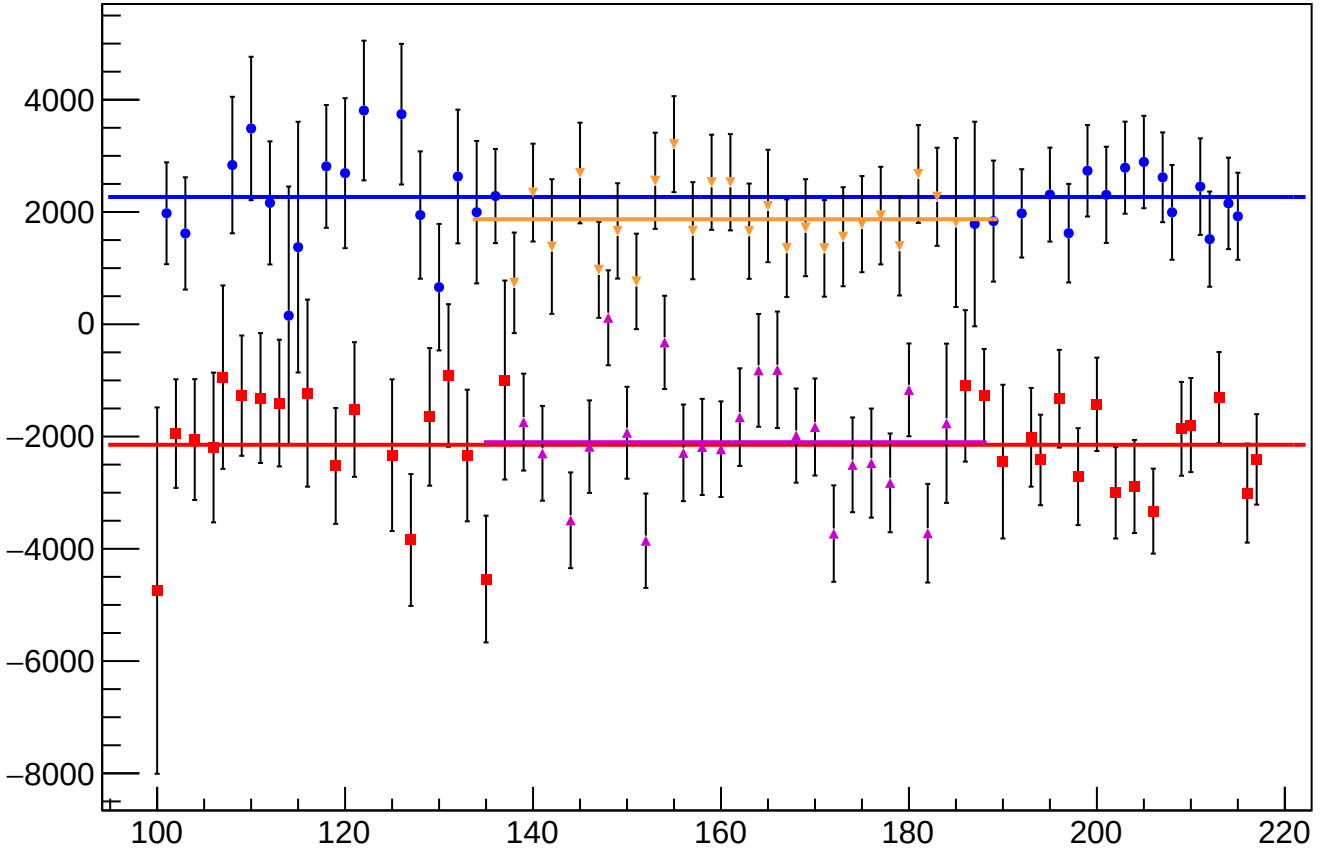
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1377.837+/-0.163 χ^2/NDF: 2979689.3/54

All: 1387.652+/-0.115 χ^2/NDF: 6066312.2/11

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

dit_asym_us_avg_mean vs Slug



Right In: 2267.773+/-176.995 χ^2/NDF: 11.8/30

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

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

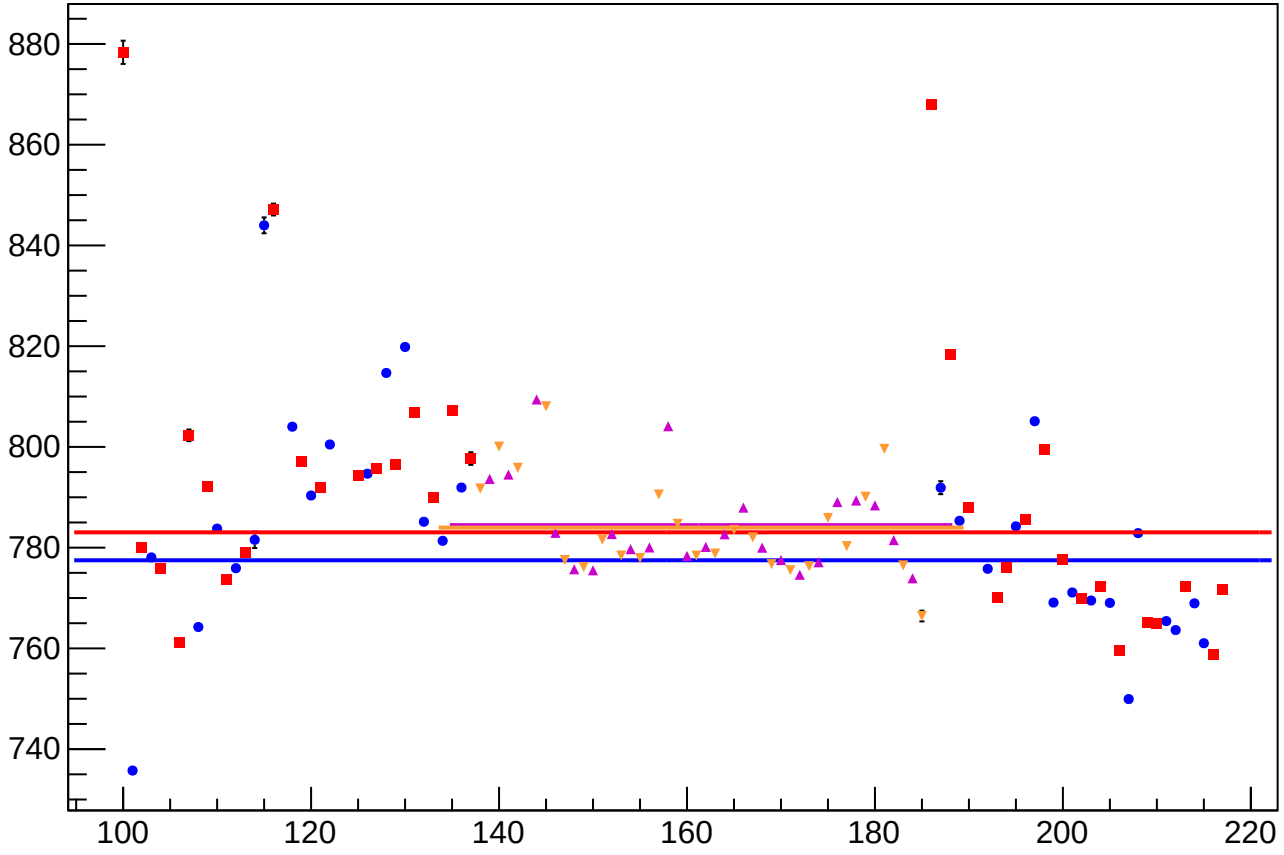
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2075.113+/-126.879 χ^2/NDF: 26.7/54

All: -38.242+/-89.434 χ^2/NDF: 632.3/111

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

dit_asym_us_avg_rms vs Slug



Right In: 777.493+/-0.125 χ^2/NDF: 21969.1/30

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

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

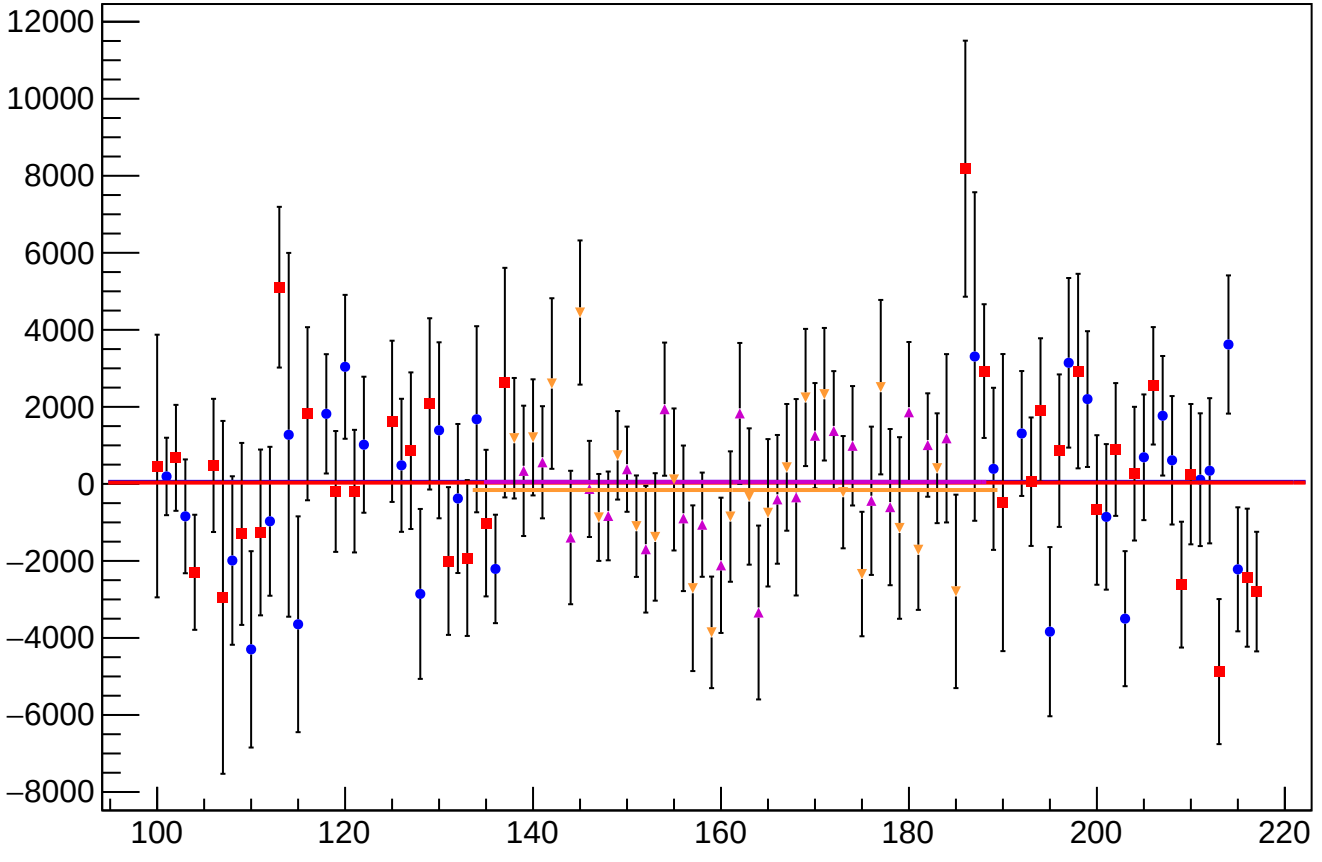
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 780.647+/-0.090 χ^2/NDF: 28203.7/54

All: 782.193+/-0.063 χ^2/NDF: 62427.9/111

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

asym_us_avg_dit_correction_mean vs Slug



Right In: 52.668+/-325.915 χ^2/NDF: 35.2/30

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

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

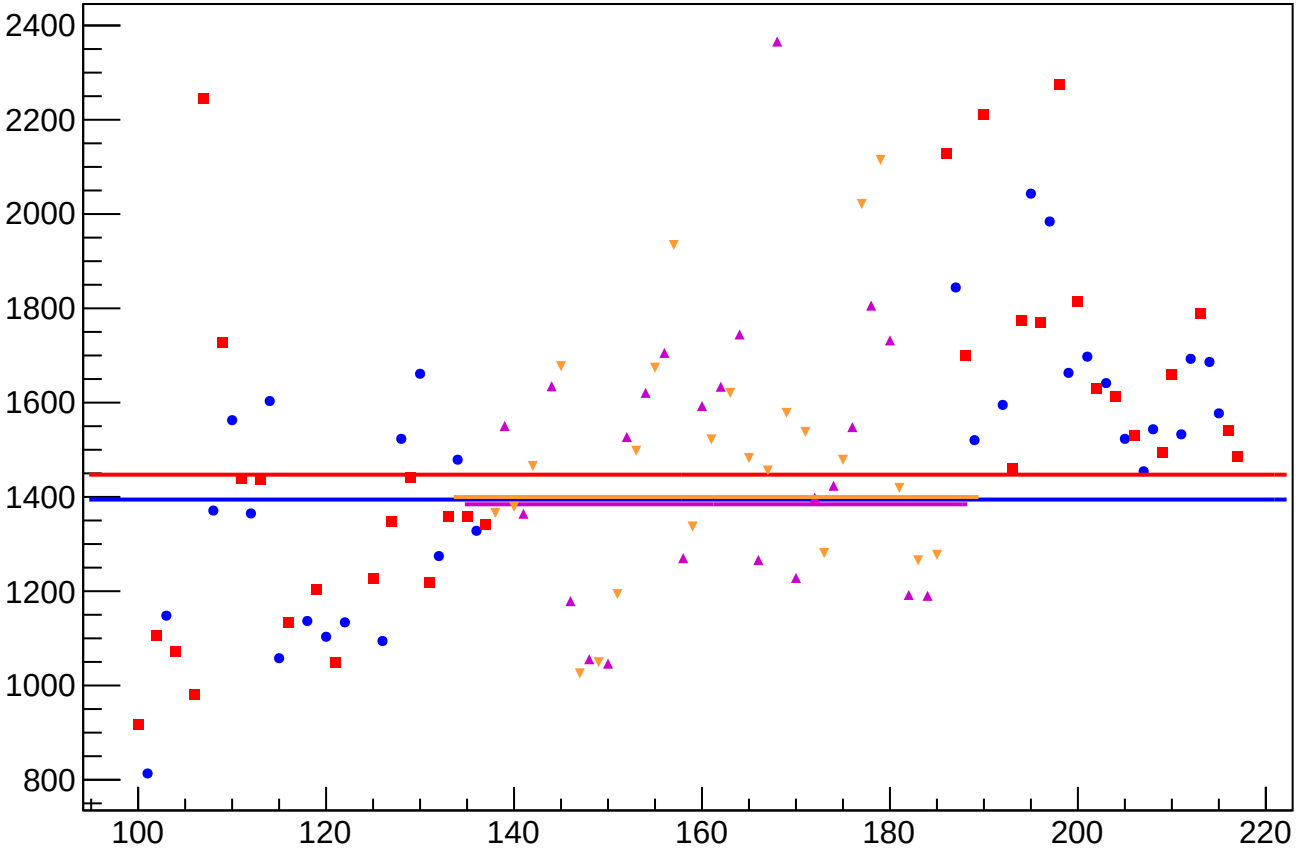
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -51.283+/-232.644 χ^2/NDF: 64.6/54

All: -4.523+/-164.644 χ^2/NDF: 122.3/111

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1394.395+/-0.230 χ^2/NDF: 1710725.4/30

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

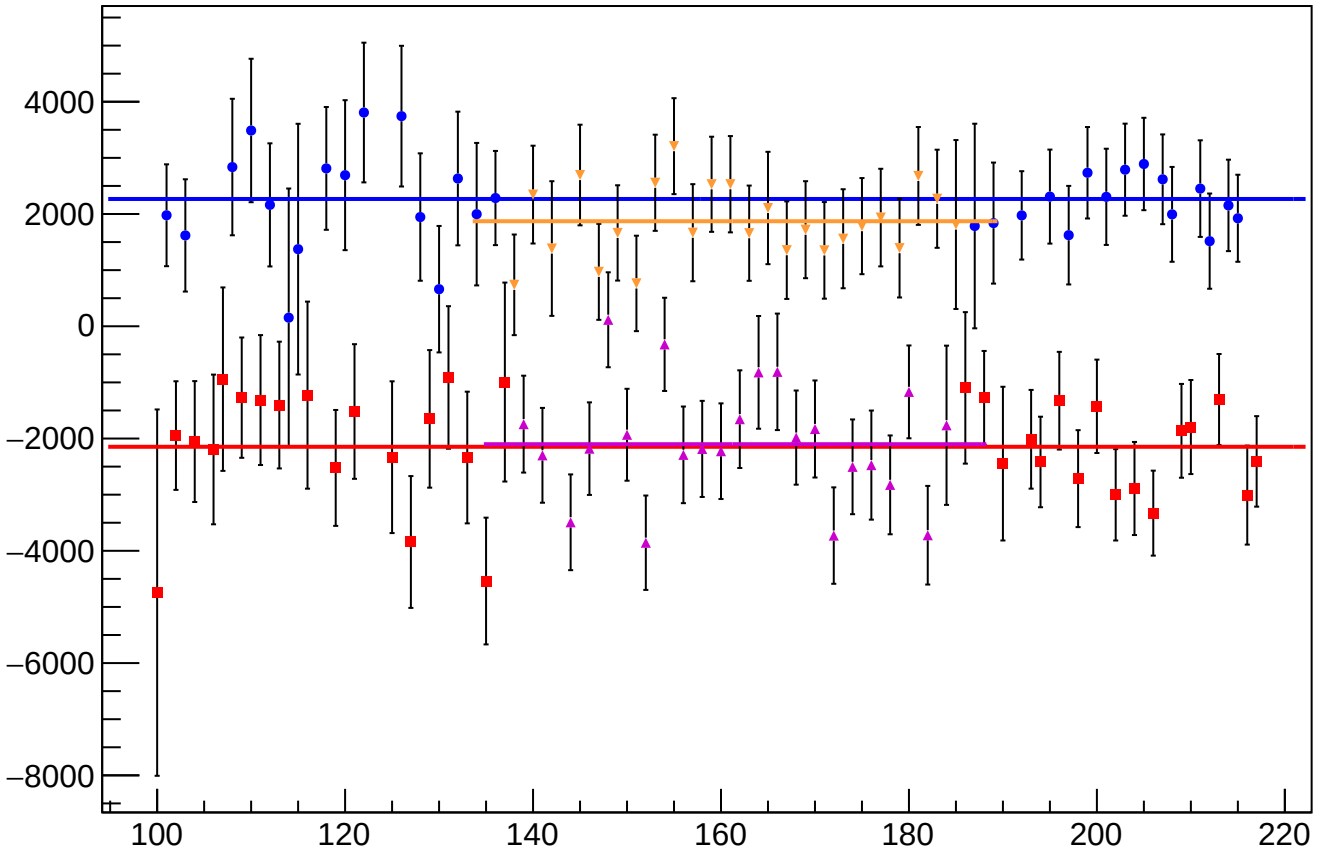
Right Out: 1447.185+/-0.233 χ^2/NDF: 1564443.9/33

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

+ sign 1397.005+/-0.165 χ^2/NDF: 2847337.2/54

All: 1406.426+/-0.116 χ^2/NDF: 5724657.2/11

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



Right In: 2267.774+/-176.995 χ^2/NDF: 11.8/30

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

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

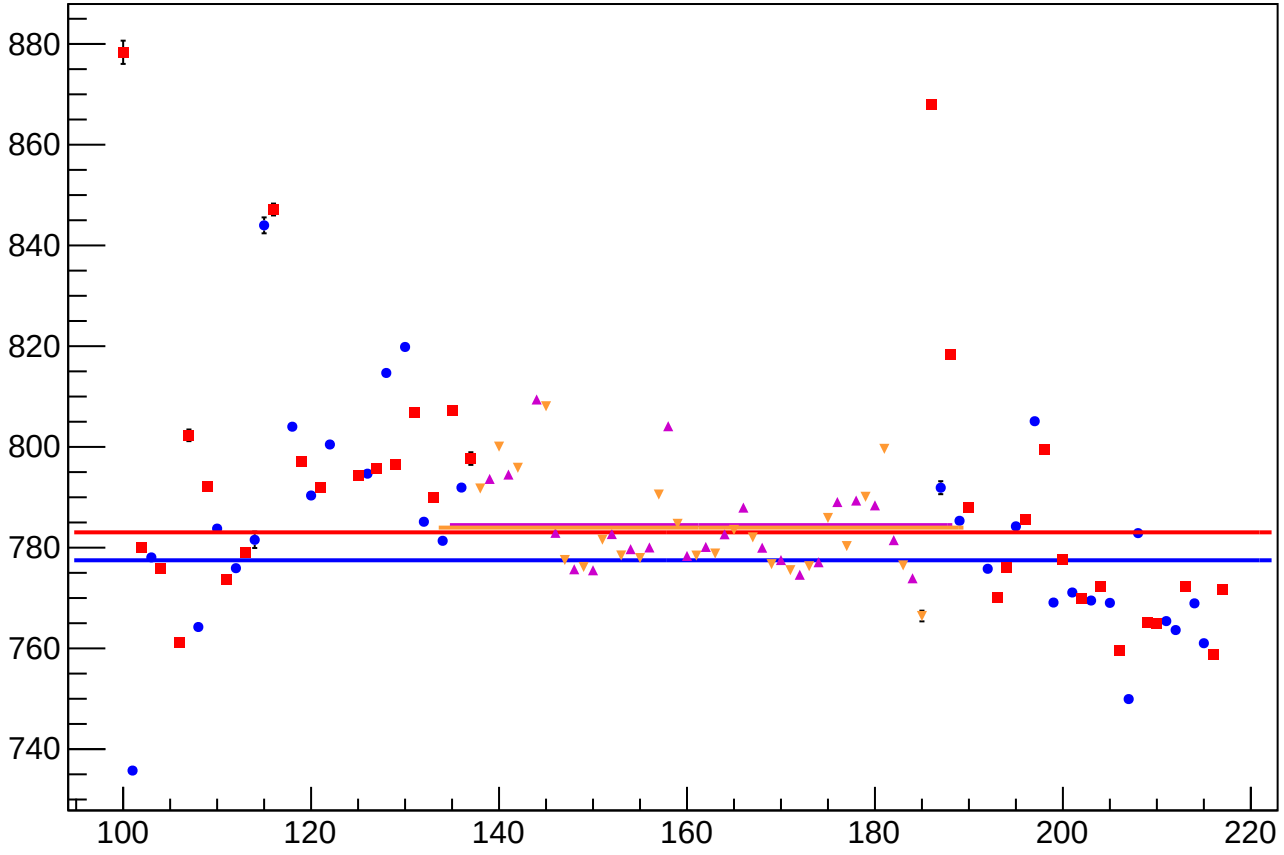
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2075.113+/-126.879 χ^2/NDF: 26.7/54

All: -38.243+/-89.434 χ^2/NDF: 632.3/111

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

eigen_dit_asym_us_avg_rms vs Slug



Right In: 777.493+/-0.125 χ^2/NDF: 21969.0/30

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

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

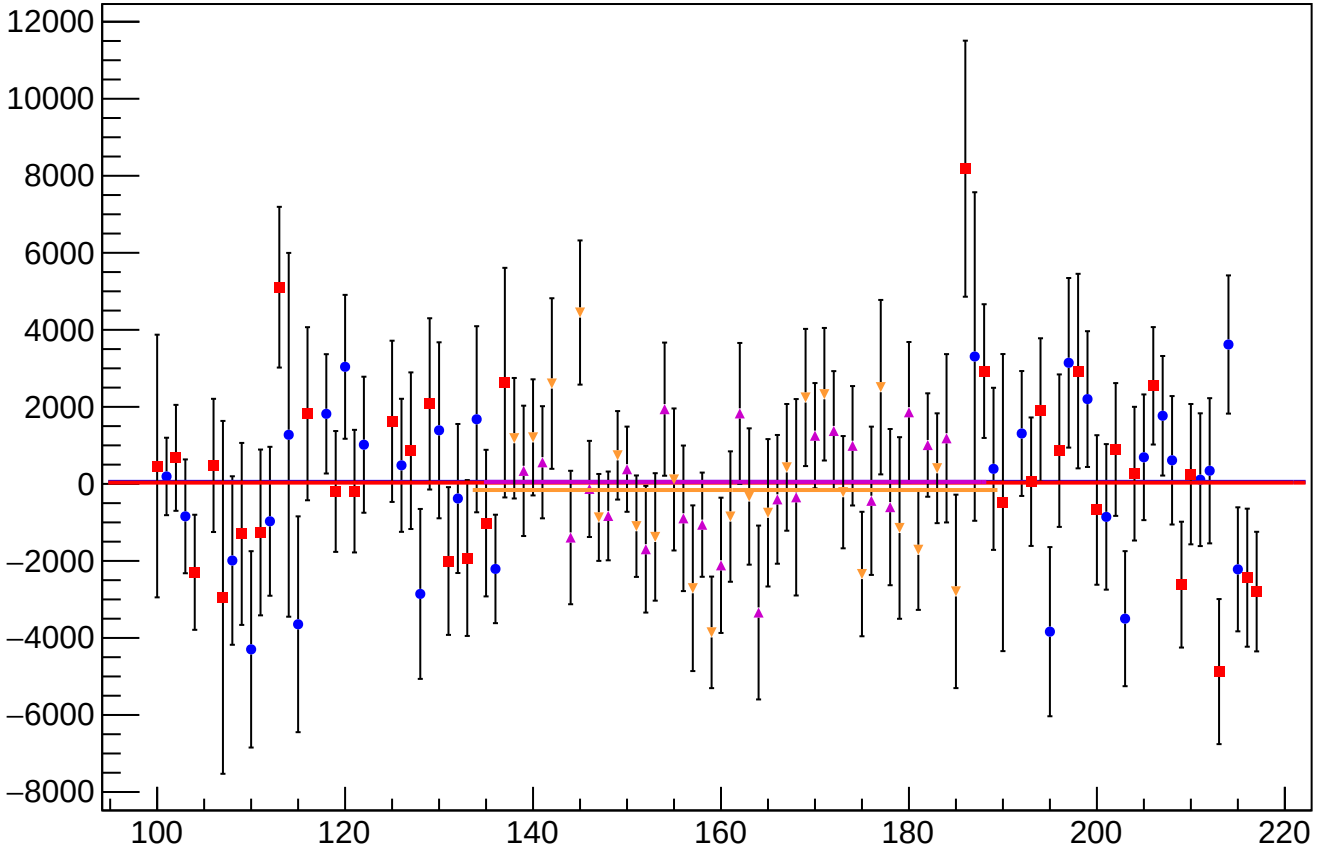
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 780.647+/-0.090 χ^2/NDF: 28203.6/54

All: 782.193+/-0.063 χ^2/NDF: 62427.7/111

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 52.667+/-325.915 χ^2/NDF: 35.2/30

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

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

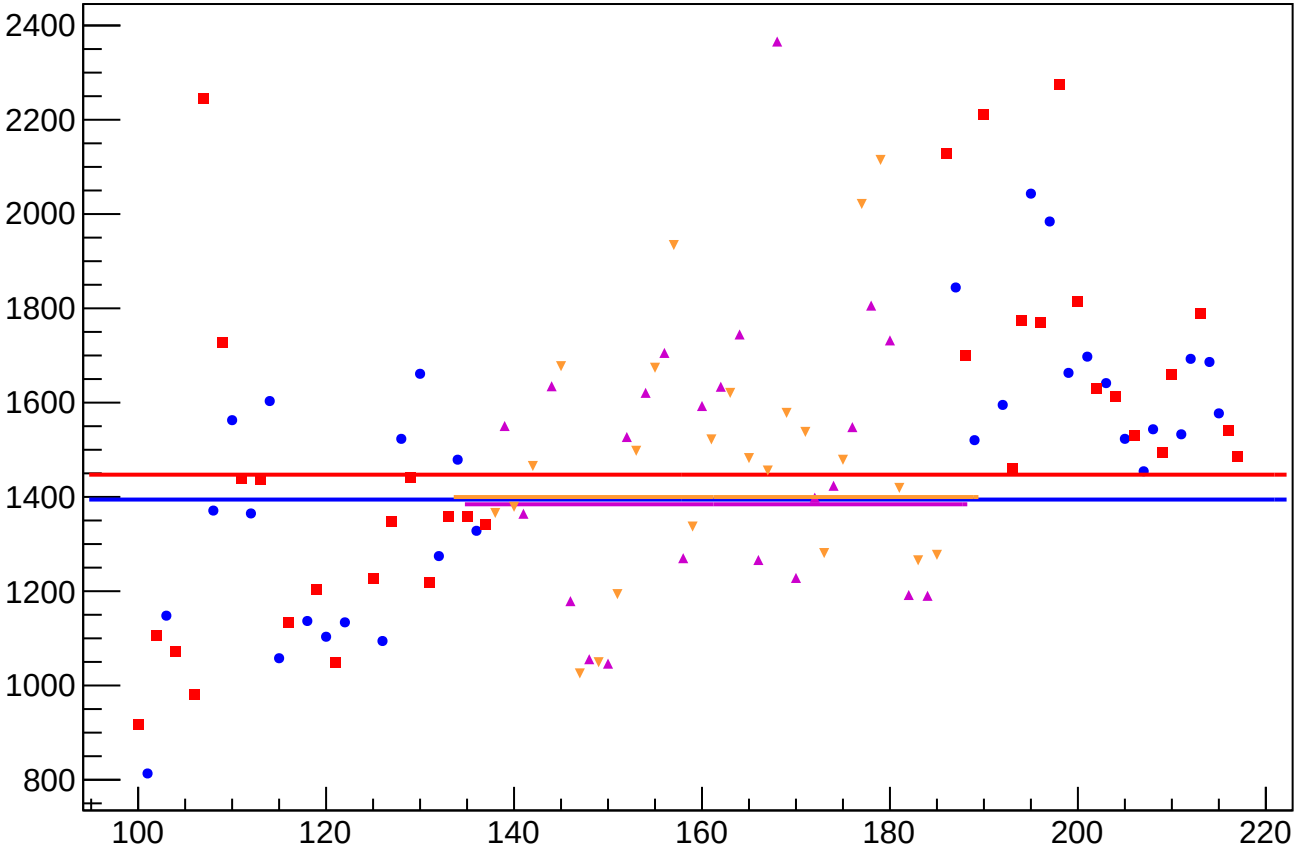
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

\+ sign -51.284+/-232.644 χ^2/NDF: 64.6/54

All: -4.524+/-164.645 χ^2/NDF: 122.3/111

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1394.393+/-0.230 χ^2/NDF: 1710747.5/30

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

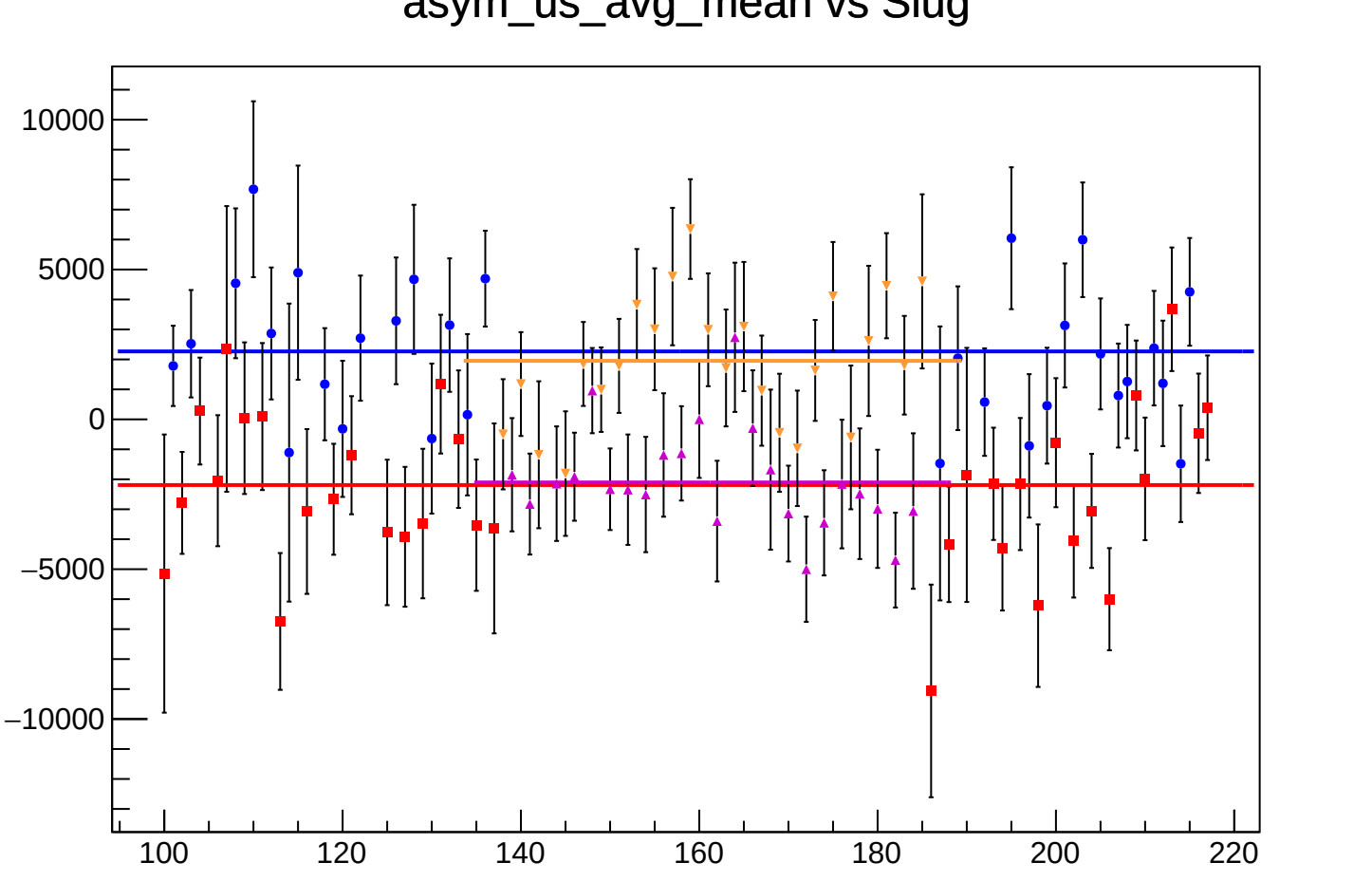
Right Out: 1447.183+/-0.233 χ^2/NDF: 1564465.7/33

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

+ sign 1397.006+/-0.165 χ^2/NDF: 2847360.7/54

All: 1406.427+/-0.116 χ^2/NDF: 5724698.1/11

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



Right In: 2267.262+/-375.449 χ^2/NDF: 29.6/30

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

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

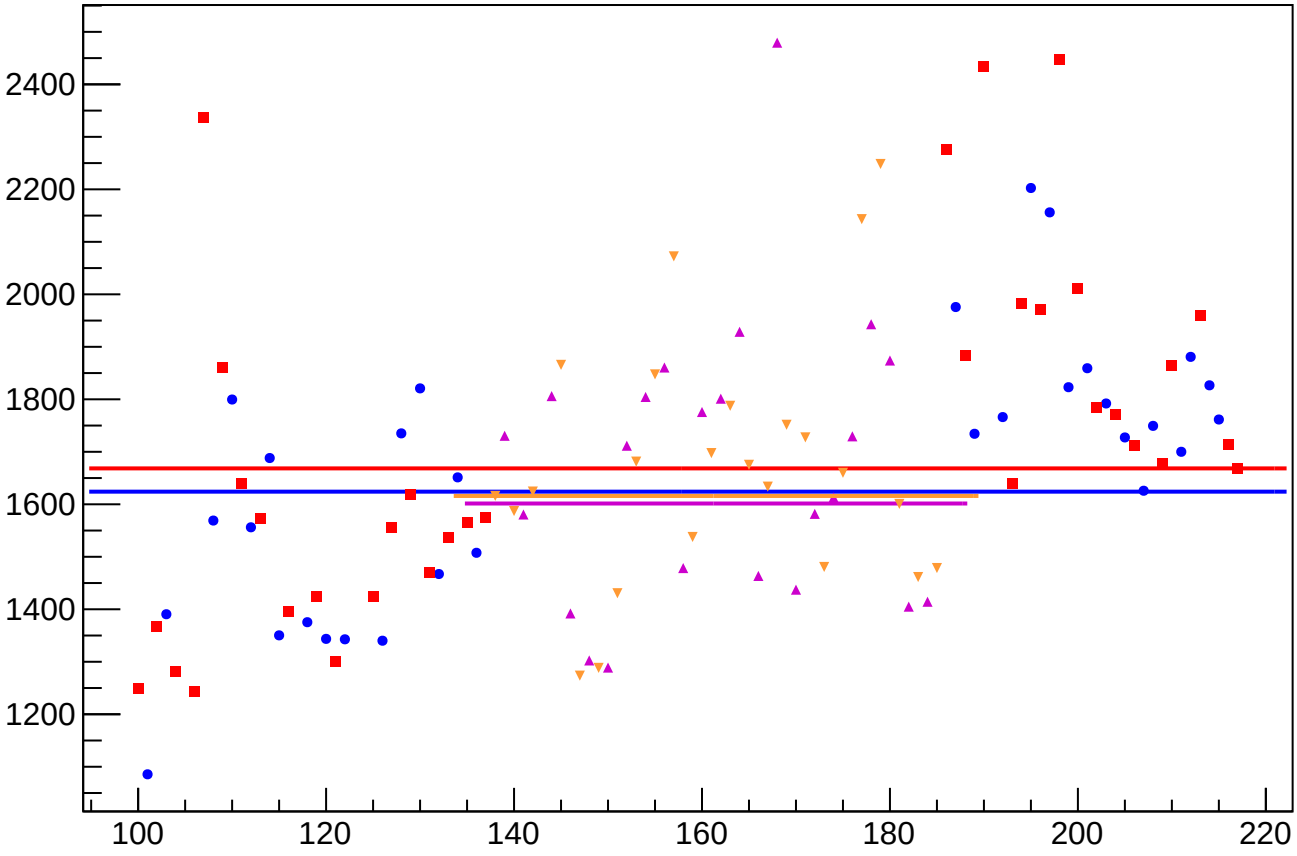
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2111.842+/-267.170 χ^2/NDF: 57.3/54

All: -20.065+/-188.851 χ^2/NDF: 245.3/111

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

asym_us_avg_rms vs Slug



Right In: 1624.076+/-0.265 χ^2/NDF: 945526.8/30

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

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

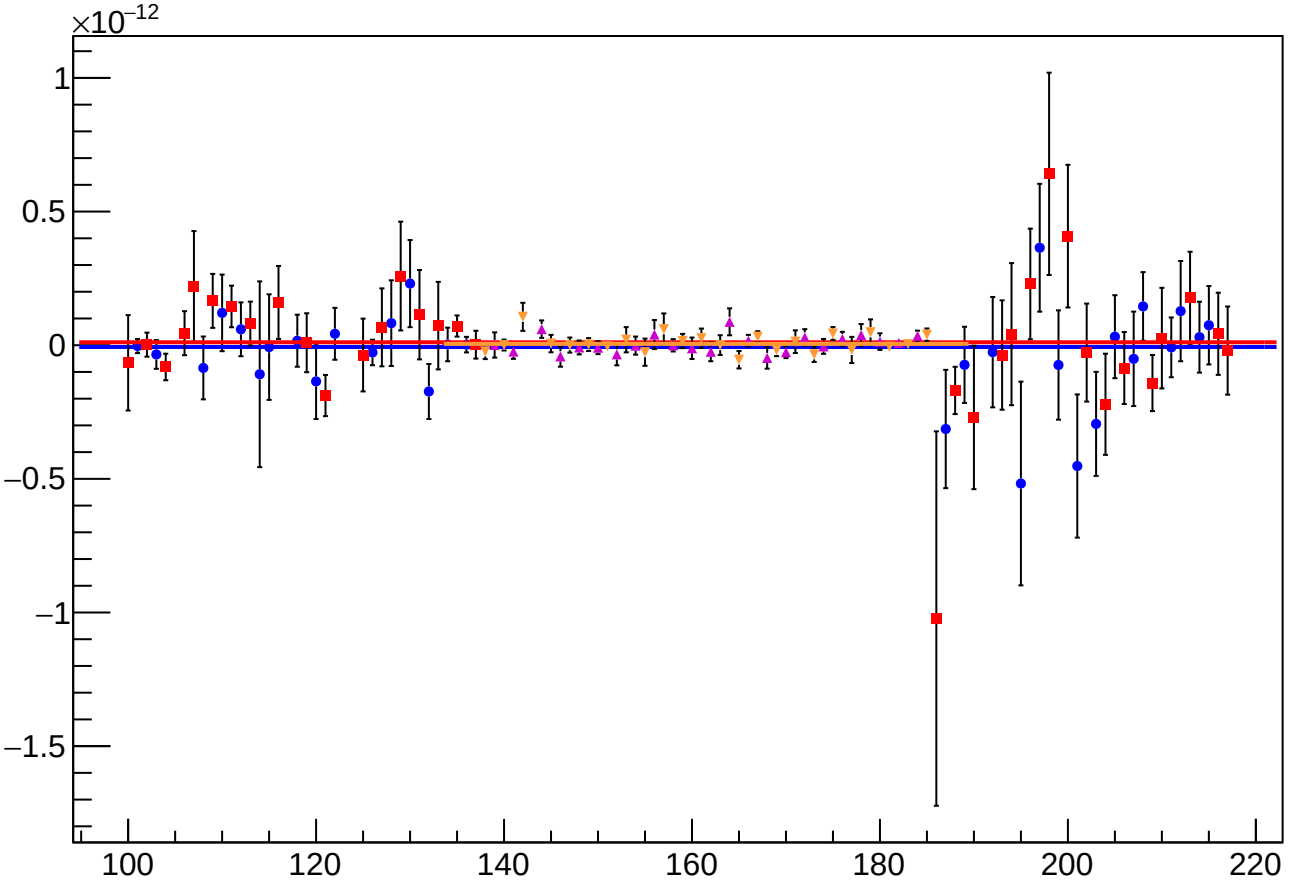
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1620.017+/-0.189 χ^2/NDF: 1640353.7/54

All: 1627.616+/-0.134 χ^2/NDF: 3469557.3/11

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

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/30

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

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

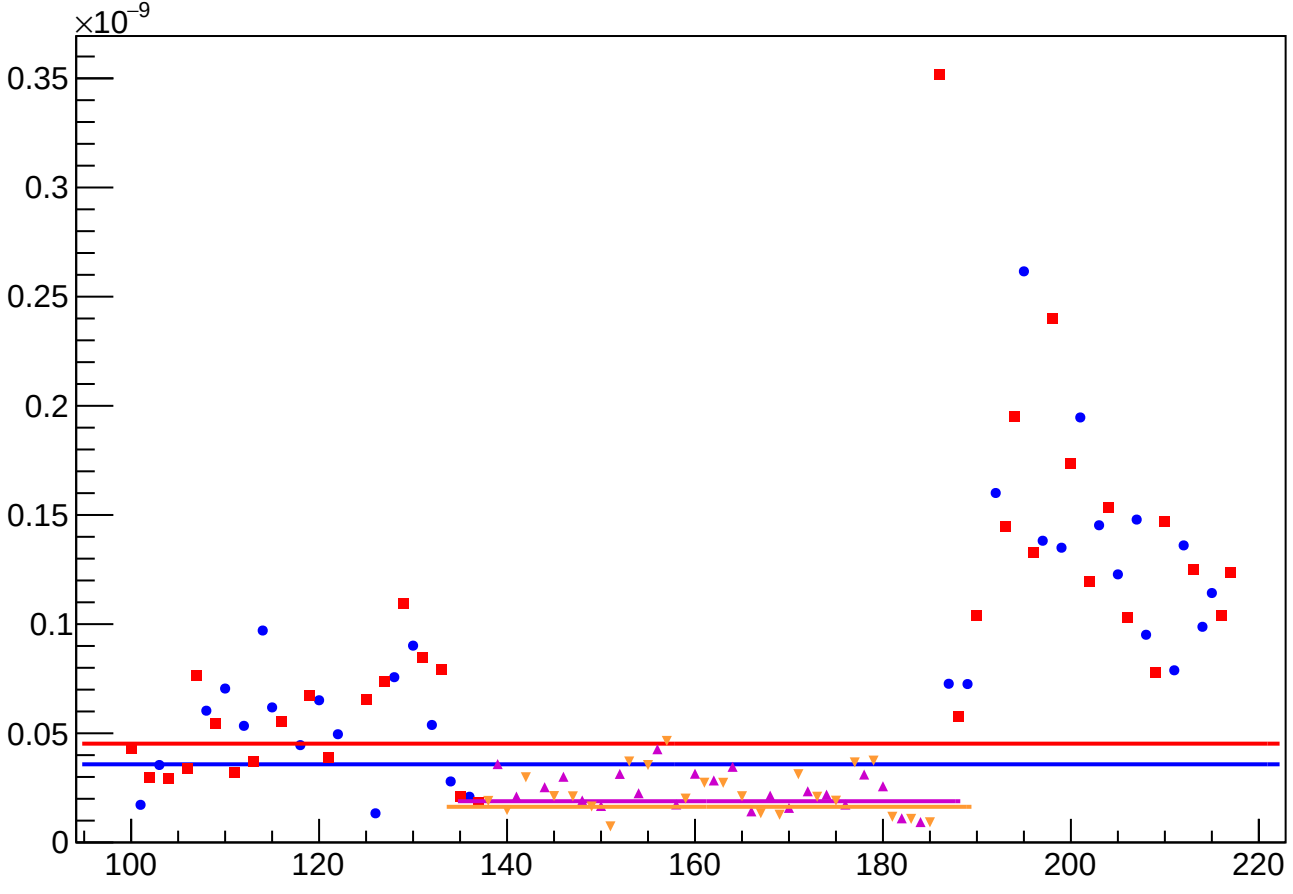
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.0/54

All: 0.000+/-0.000 χ^2/NDF: 105.8/111

- sign 0.000+/-0.000 χ^2/NDF: 61.7/56

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10439951.7/30

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

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

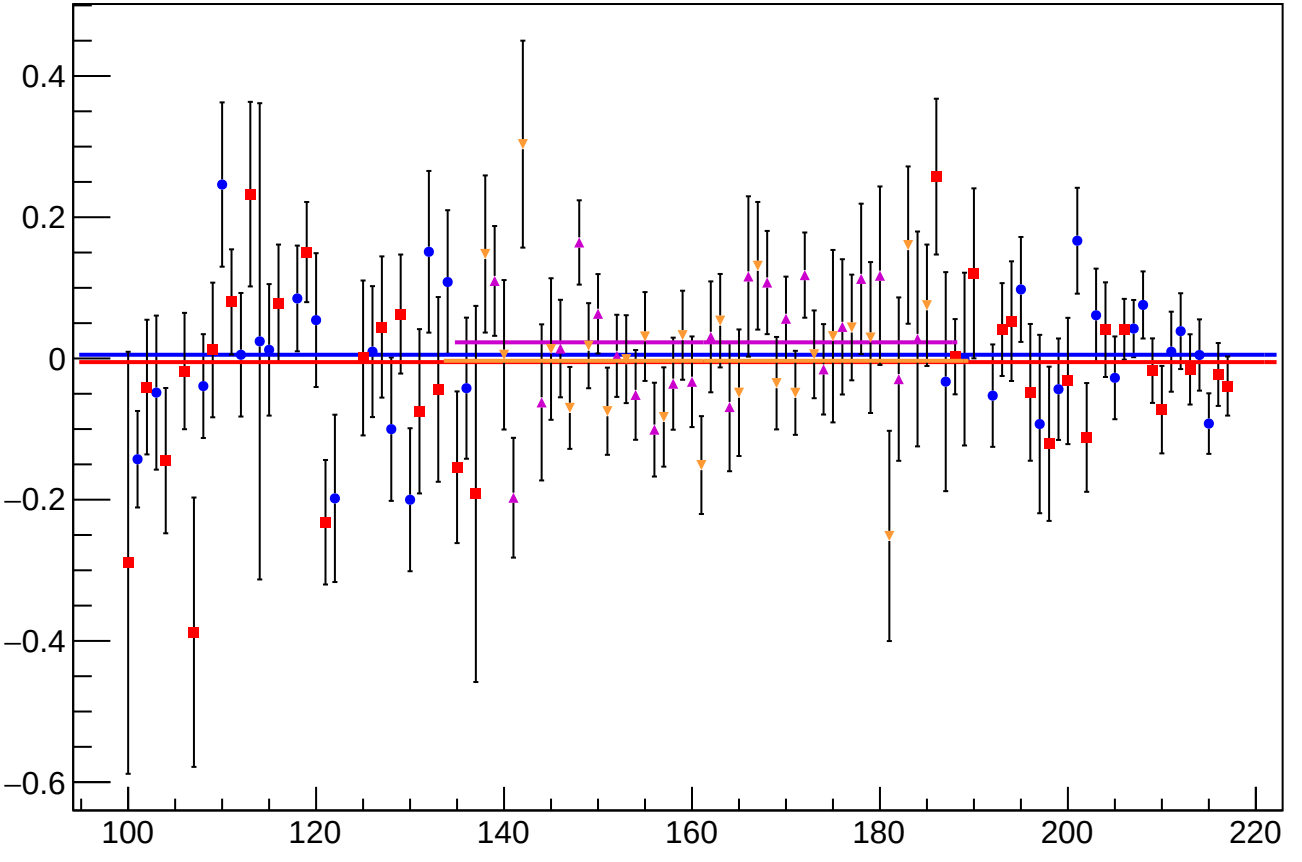
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17949018.0/54

All: 0.000+/-0.000 χ^2/NDF: 34797620.3/111

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

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

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

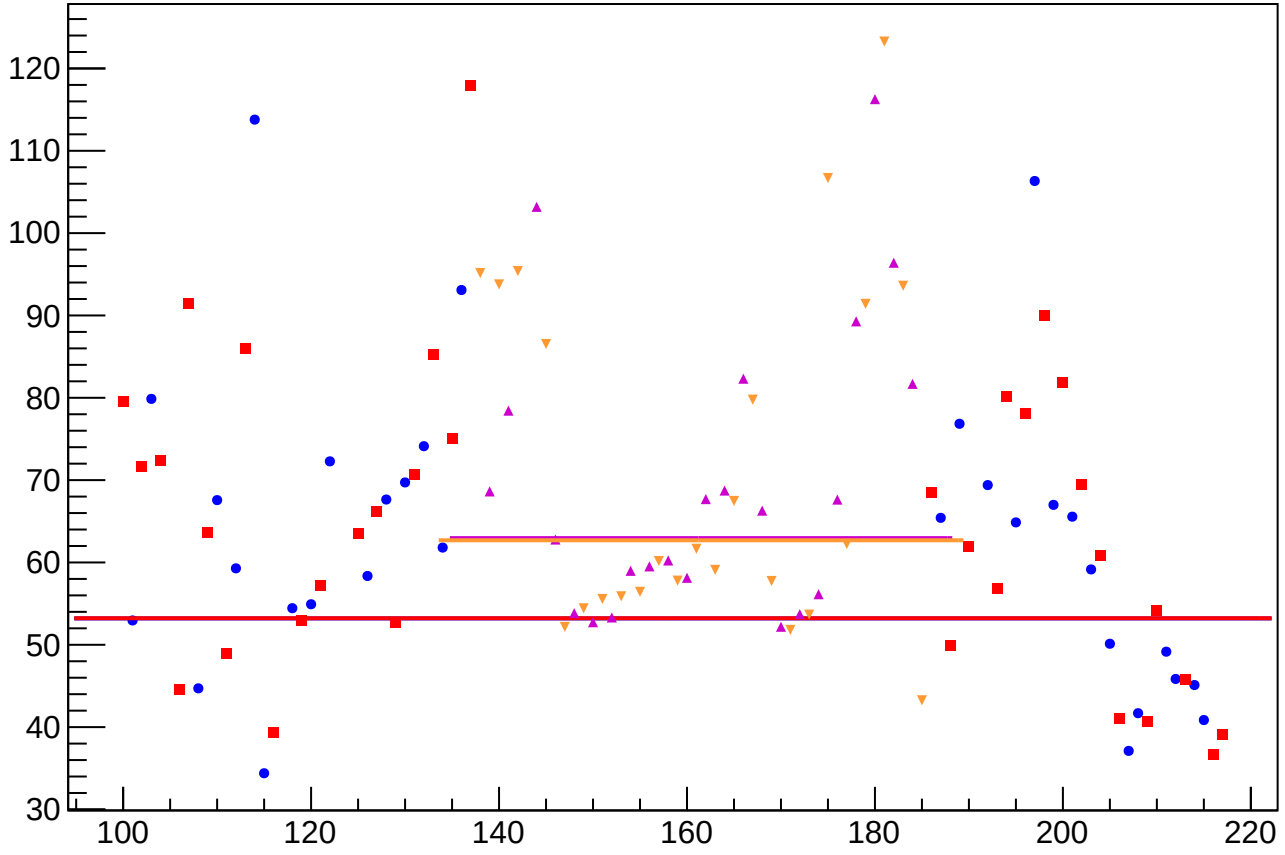
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign 0.002+/-0.010 χ^2/NDF: 65.7/54

All: 0.004+/-0.007 χ^2/NDF: 139.2/111

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 53.201+/-0.009 χ^2/NDF: 2322443.2/30

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

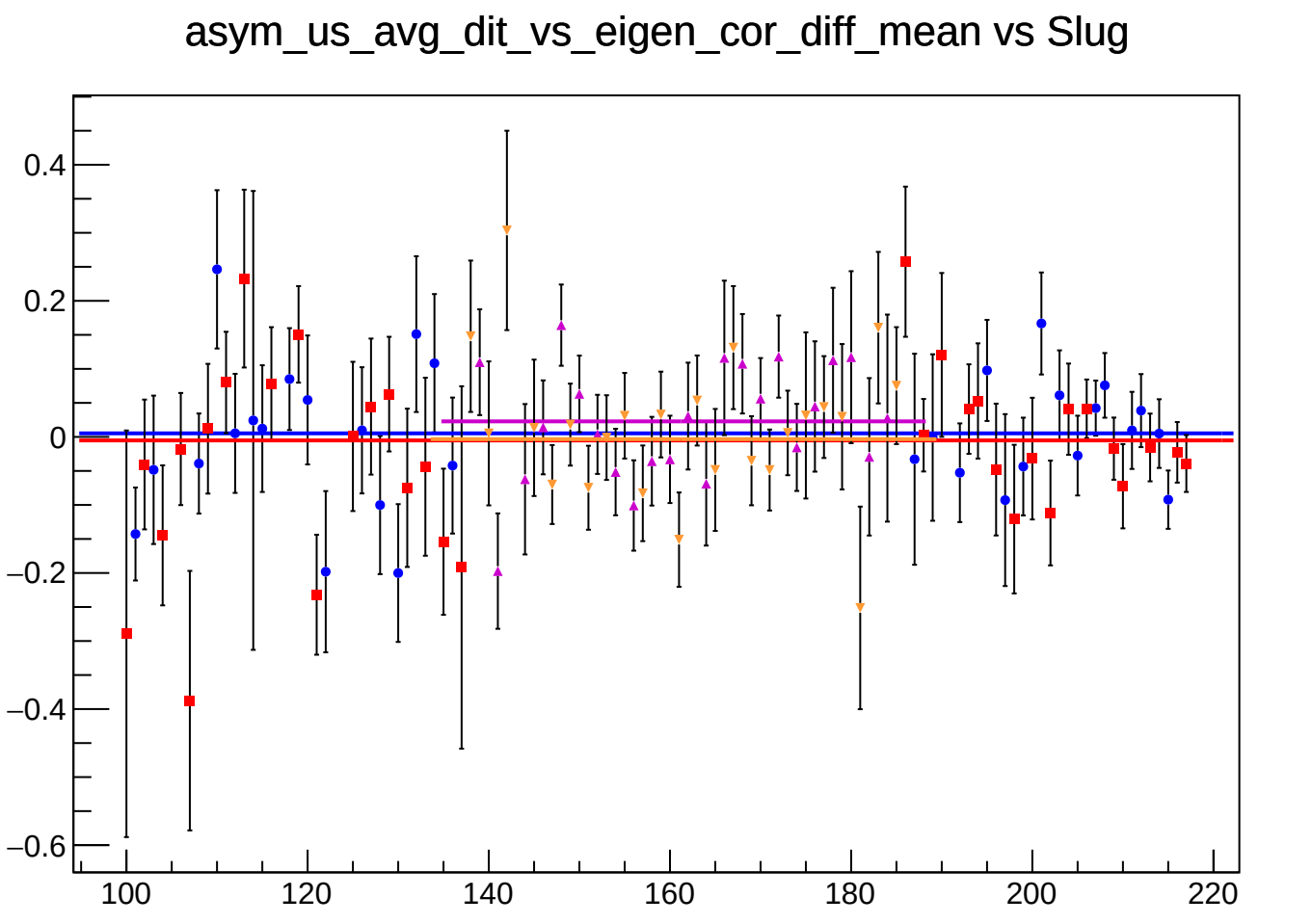
Right Out: 53.223+/-0.009 χ^2/NDF: 2701928.4/33

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

\+ sign 57.155+/-0.007 χ^2/NDF: 4700141.5/54

All: 57.163+/-0.005 χ^2/NDF: 9301651.3/111

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



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

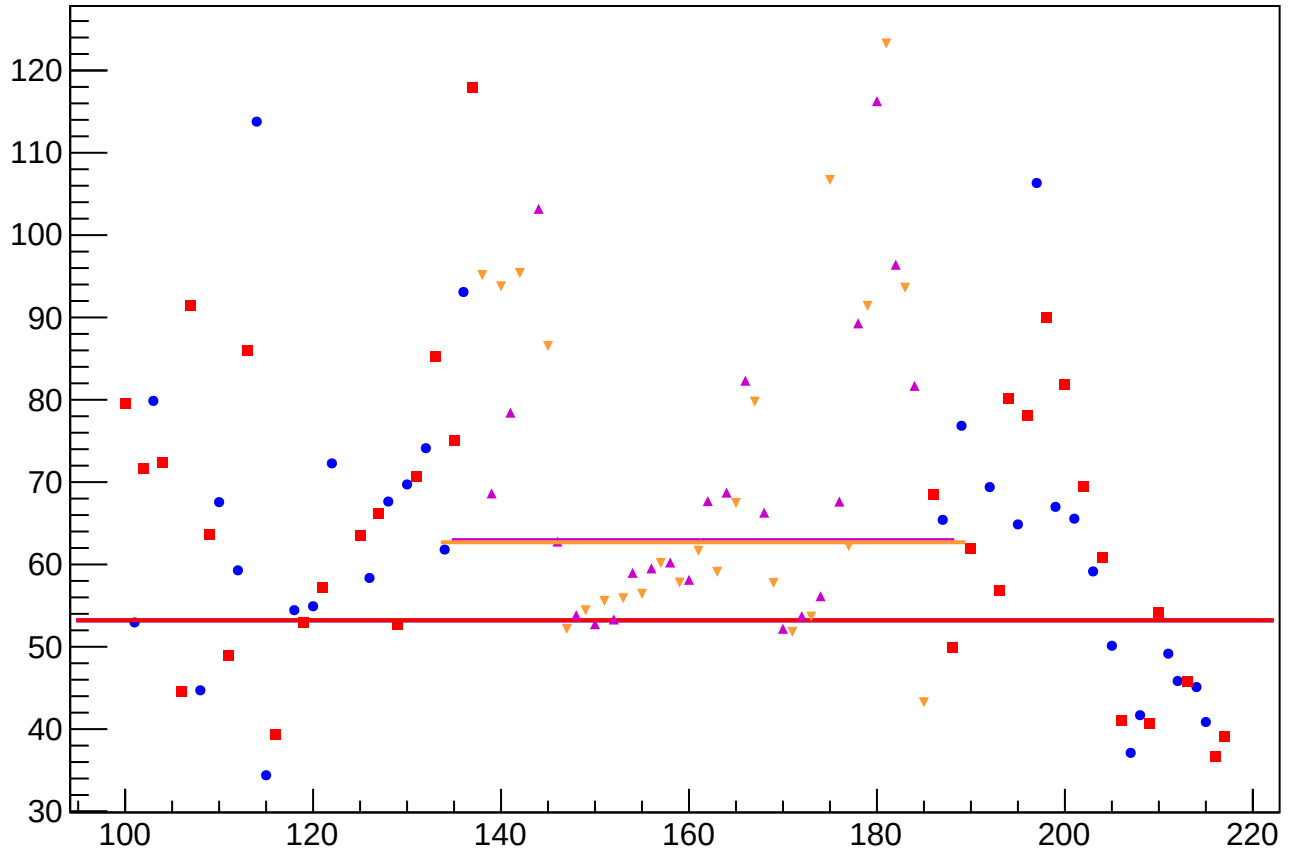
Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

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

+ sign 0.002+/-0.010 χ^2/NDF: 65.7/54

All: 0.004+/-0.007 χ^2/NDF: 139.2/111

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56



Right In: 53.201+/-0.009 χ^2/NDF: 2322443.2/30

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

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

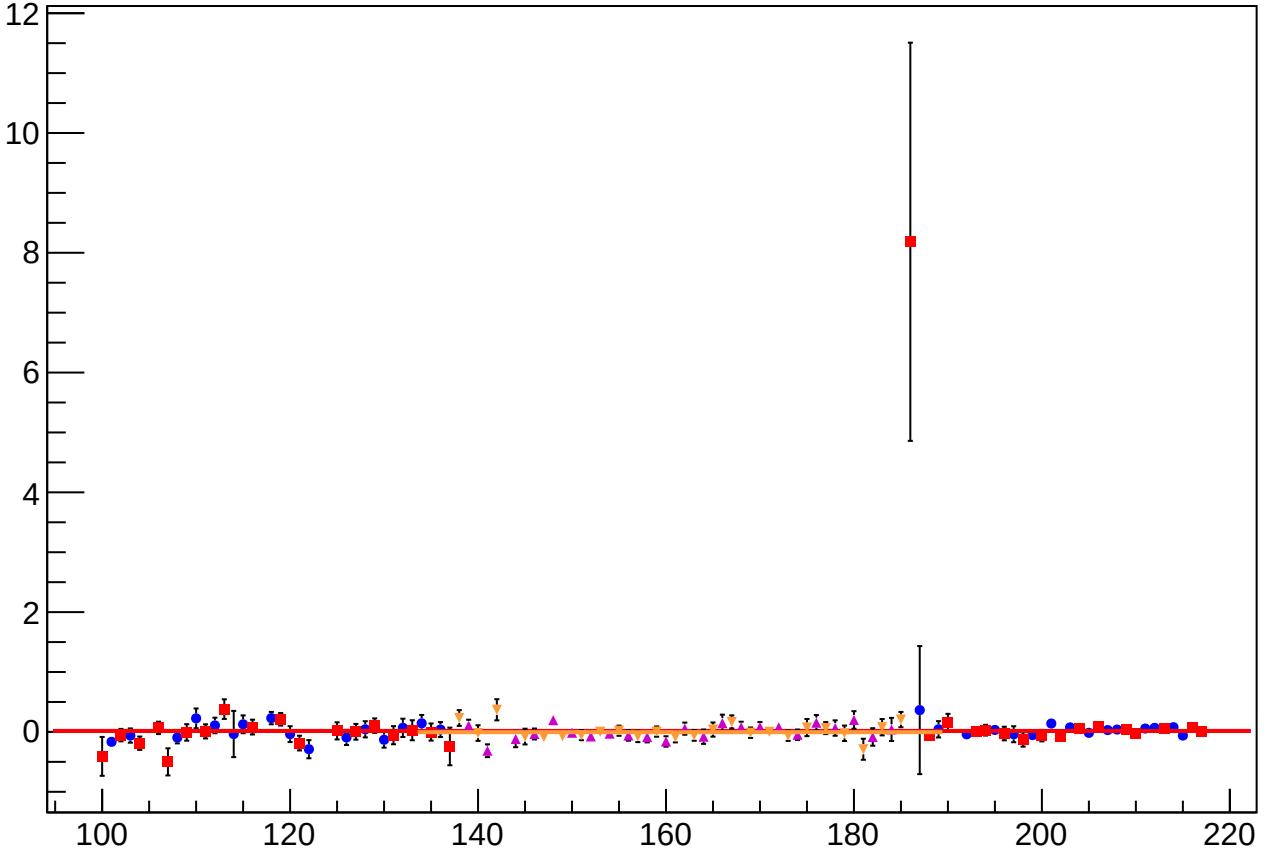
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

\+ sign 57.155+/-0.007 χ^2/NDF: 4700141.5/54

All: 57.163+/-0.005 χ^2/NDF: 9301651.3/111

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.016+/-0.016 χ^2/NDF: 29.4/30

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

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

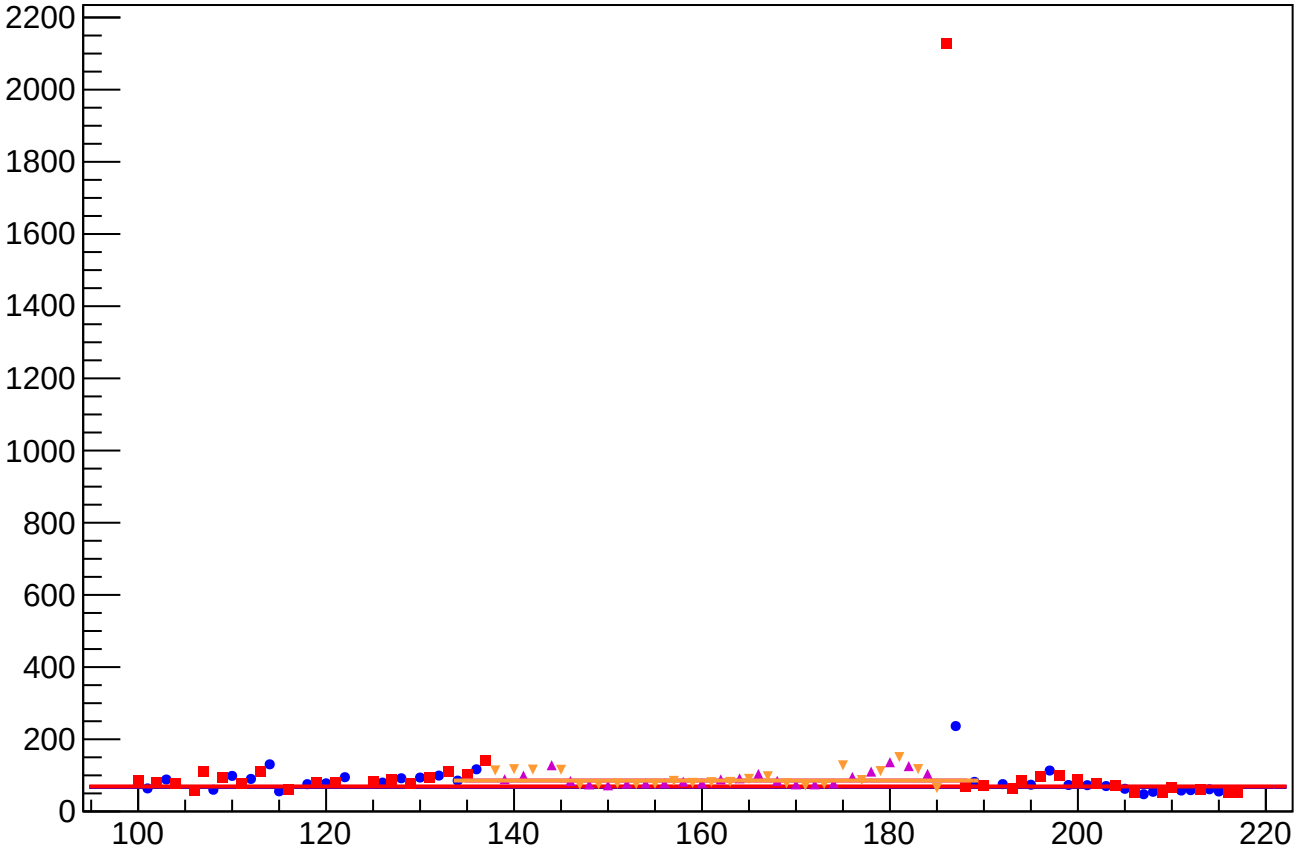
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.008+/-0.013 χ^2/NDF: 51.3/54

All: 0.009+/-0.009 χ^2/NDF: 122.2/111

- sign 0.009+/-0.013 χ^2/NDF: 70.9/56

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.835+/-0.012 χ^2/NDF: 1898419.4/30

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

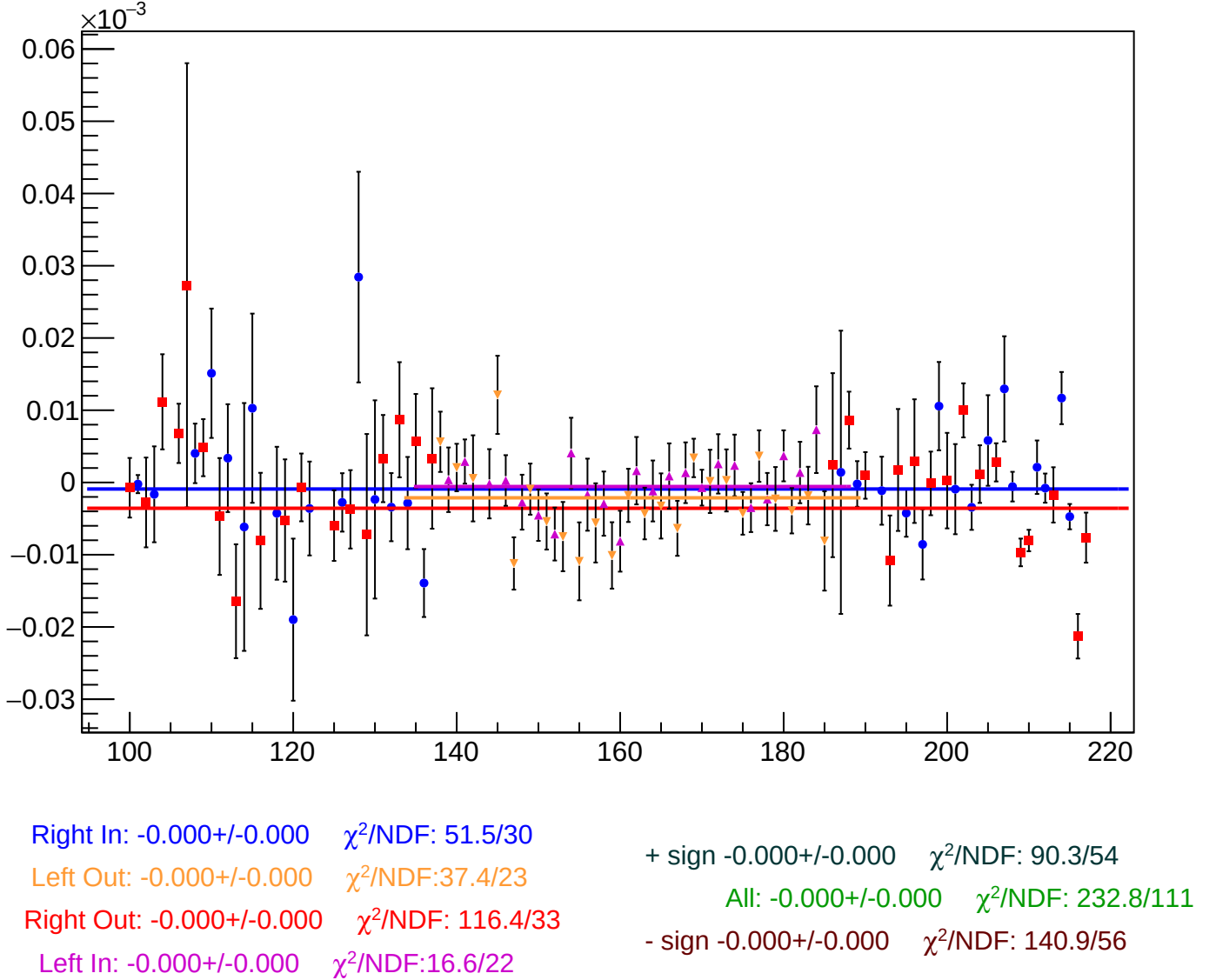
Right Out: 69.266+/-0.012 χ^2/NDF: 2678788.2/33

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

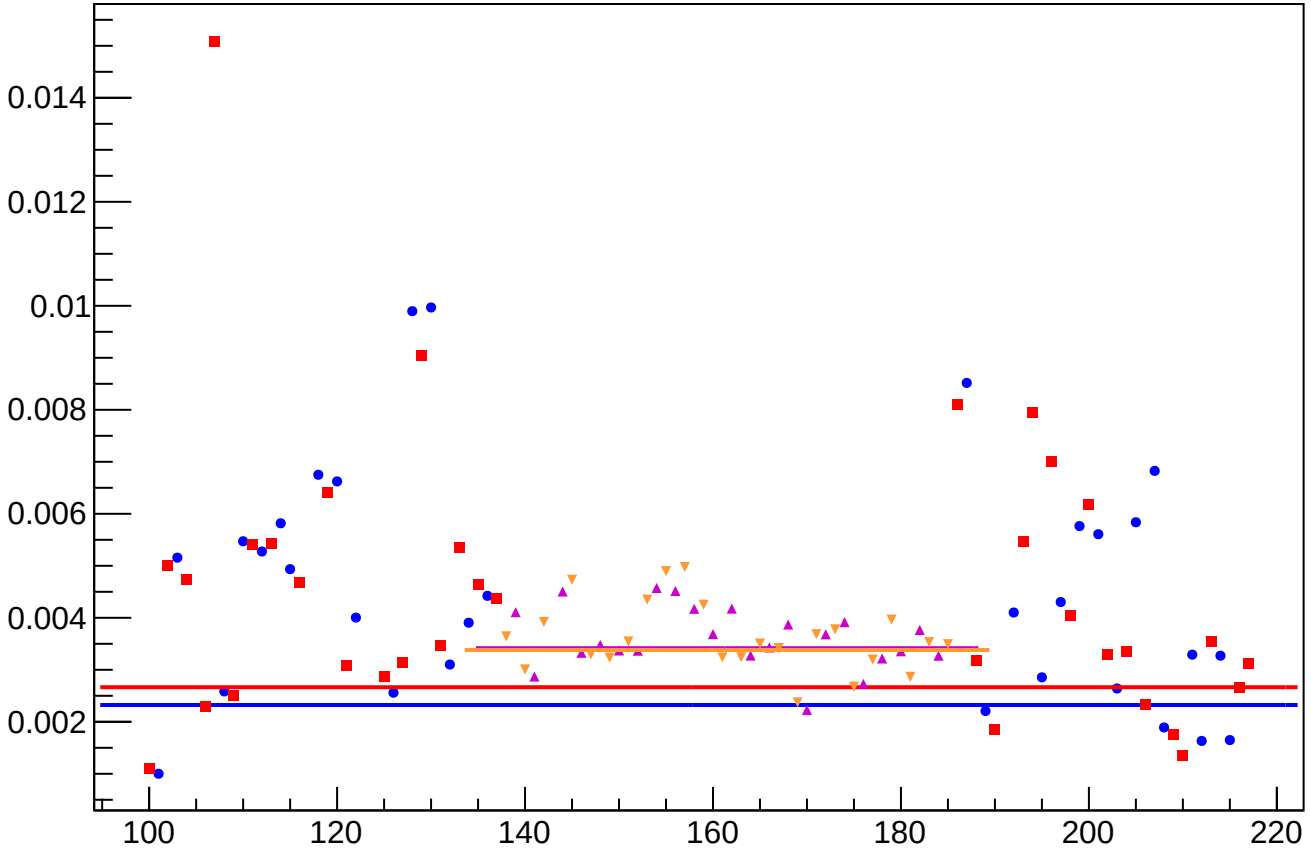
+ sign 74.725+/-0.009 χ^2/NDF: 4161281.4/54

All: 75.164+/-0.006 χ^2/NDF: 8614172.9/111

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


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 51.5/30
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 116.4/33
Left In: -0.000+/-0.000 χ²/NDF:16.6/22
+ sign -0.000+/-0.000 χ²/NDF: 90.3/54
All: -0.000+/-0.000 χ²/NDF: 232.8/111
- sign -0.000+/-0.000 χ²/NDF: 140.9/56

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10311115.4/30

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

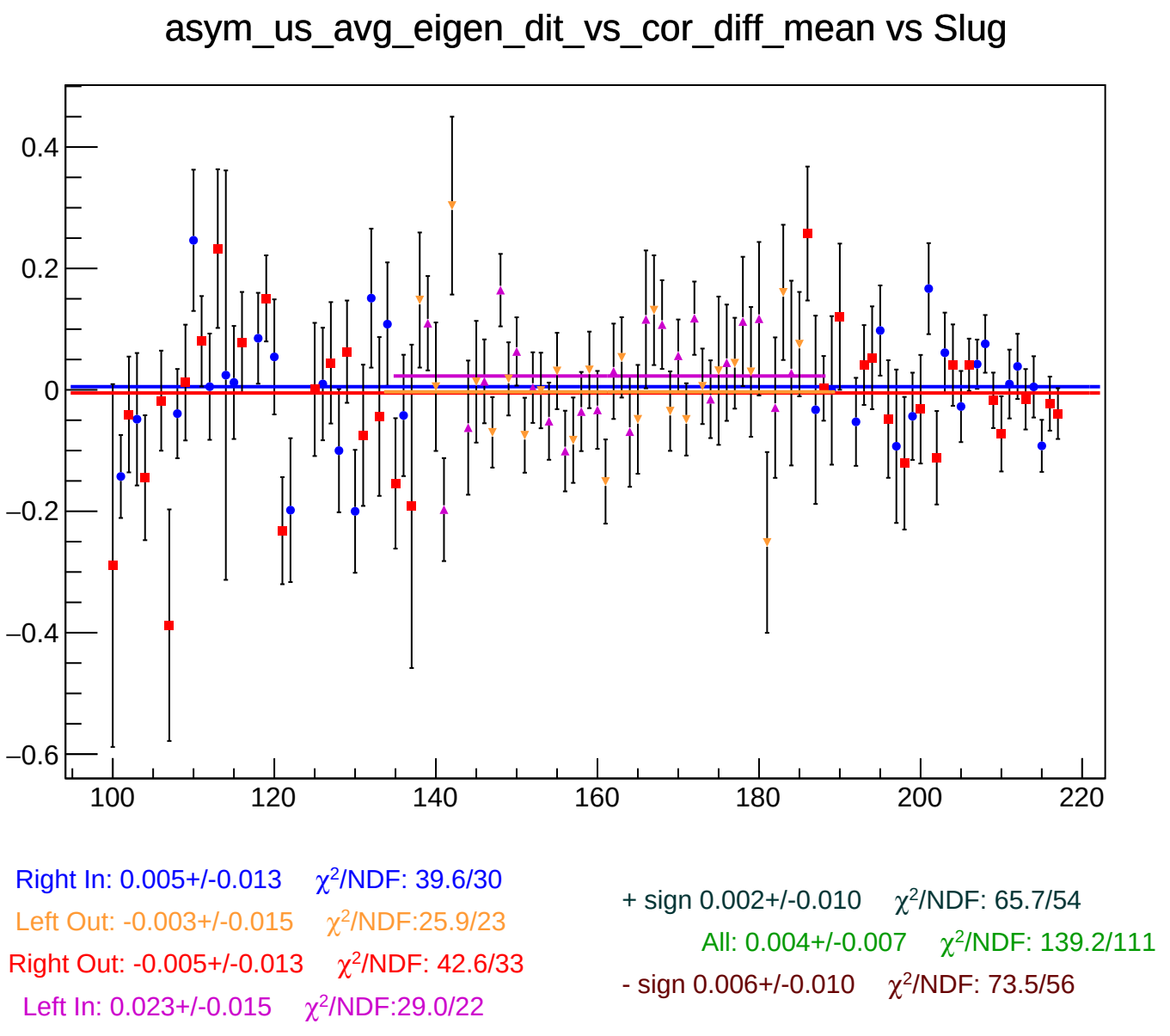
Right Out: 0.003+/-0.000 χ^2/NDF: 8328748.3/33

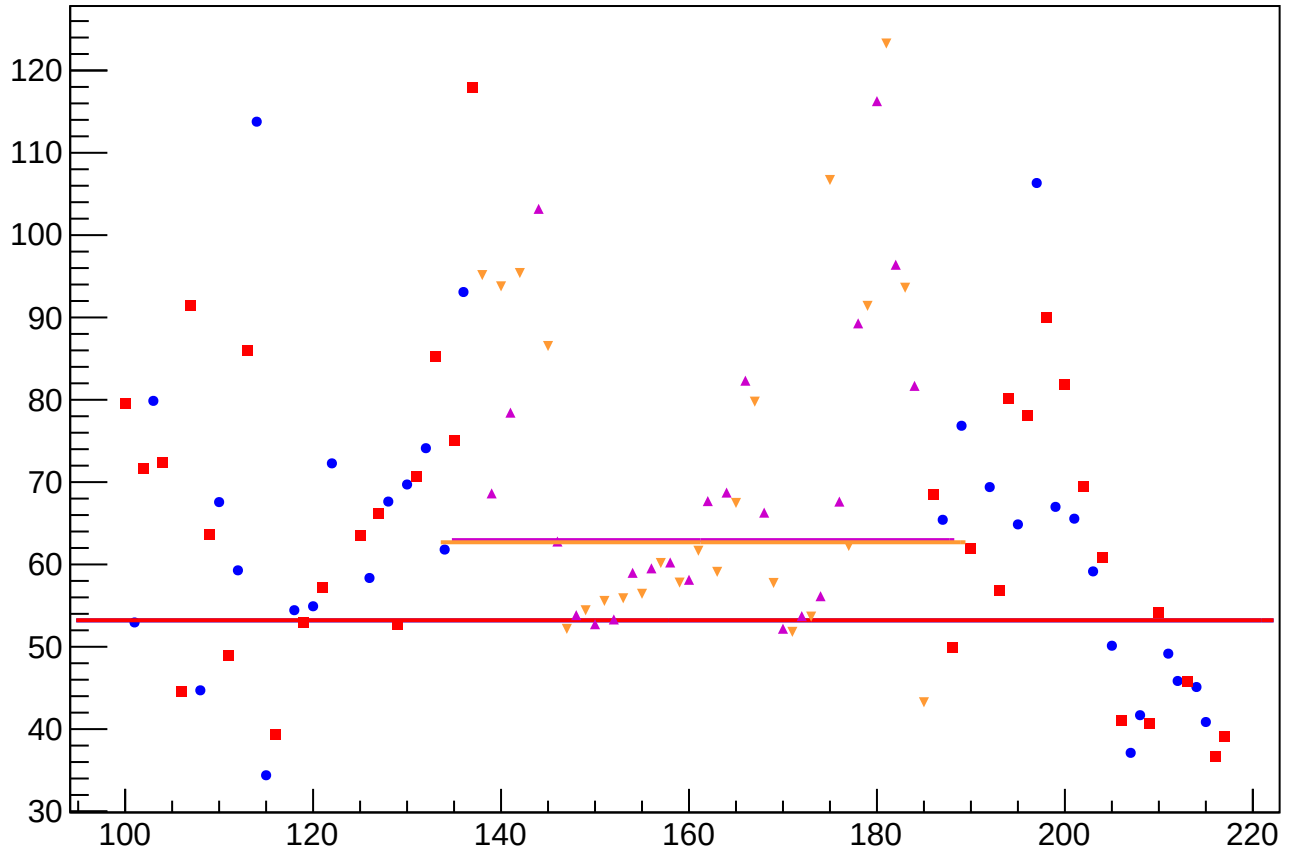
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 13611814.1/54

All: 0.003+/-0.000 χ^2/NDF: 24321495.0/111

- sign 0.003+/-0.000 χ^2/NDF: 10477085.3/56


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.005+/-0.013 χ²/NDF: 39.6/30
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.005+/-0.013 χ²/NDF: 42.6/33
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign 0.002+/-0.010 χ²/NDF: 65.7/54
All: 0.004+/-0.007 χ²/NDF: 139.2/111
- sign 0.006+/-0.010 χ²/NDF: 73.5/56



Right In: 53.201+/-0.009 χ^2/NDF: 2322293.6/30

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

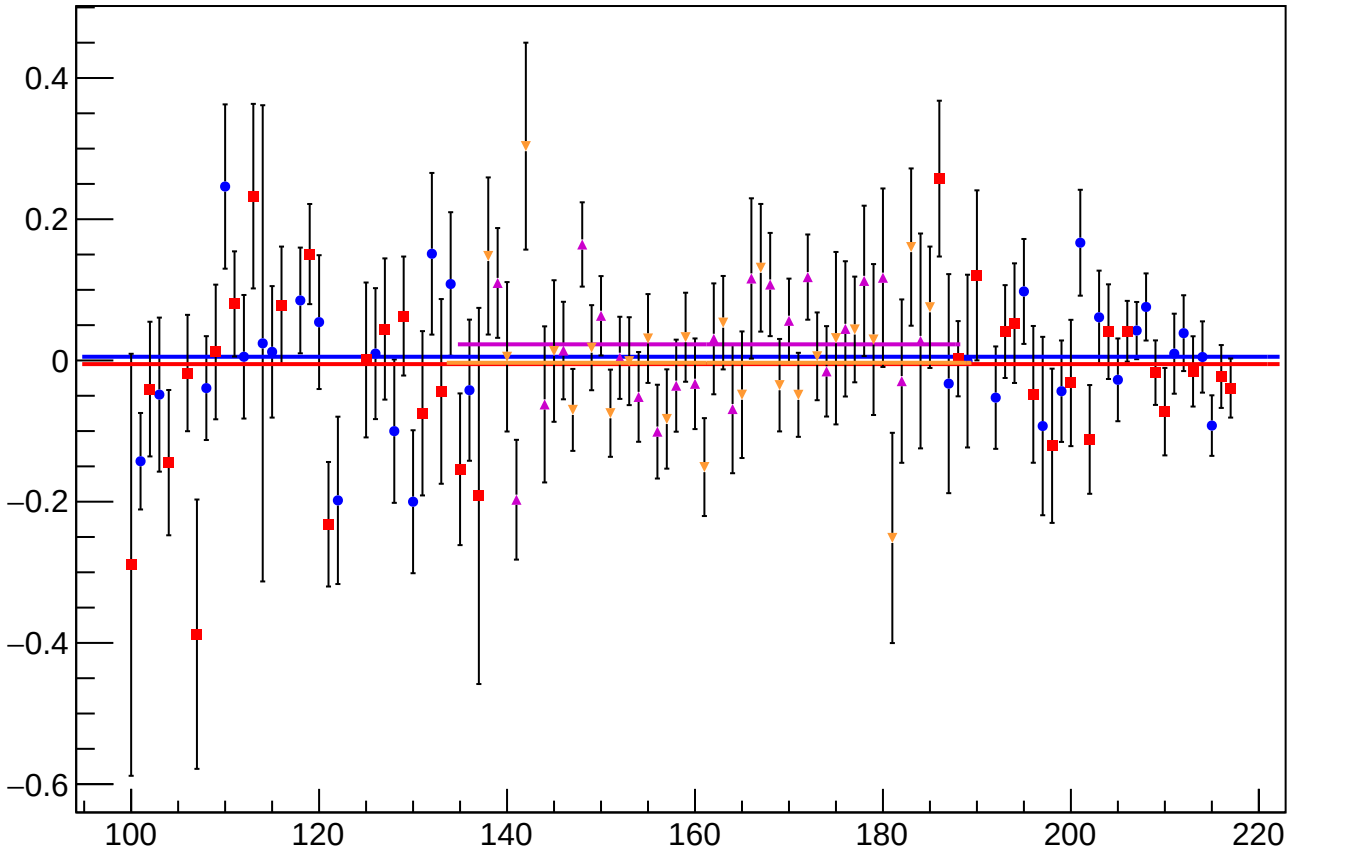
Right Out: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

\+ sign 57.155+/-0.007 χ^2/NDF: 4699984.8/54

All: 57.163+/-0.005 χ^2/NDF: 9301325.7/111

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



Right In: 0.005+/-0.013 χ^2/NDF: 39.6/30

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

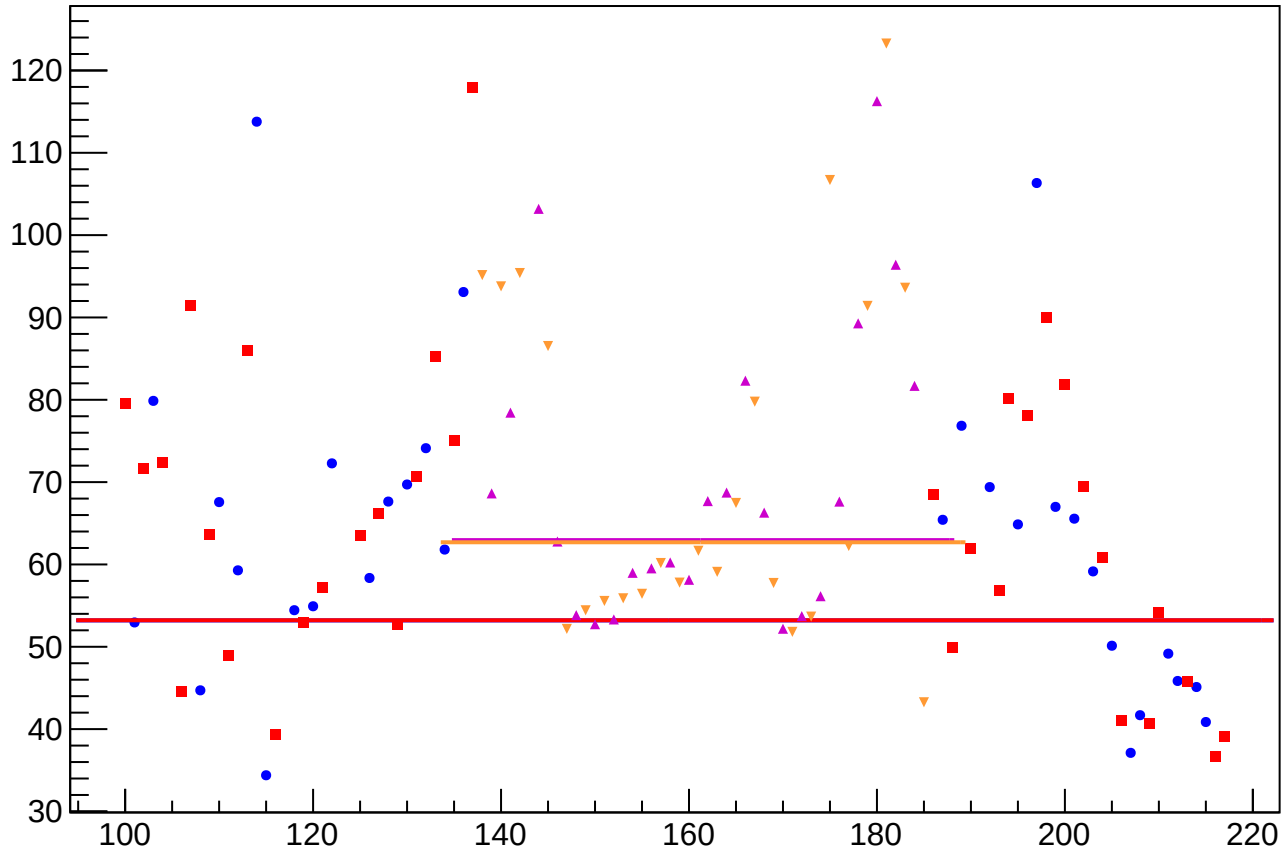
Right Out: -0.005+/-0.013 χ^2/NDF: 42.6/33

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

+ sign 0.002+/-0.010 χ^2/NDF: 65.7/54

All: 0.004+/-0.007 χ^2/NDF: 139.2/111

- sign 0.006+/-0.010 χ^2/NDF: 73.5/56



Right In: 53.201+/-0.009 χ^2/NDF: 2322293.6/30

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

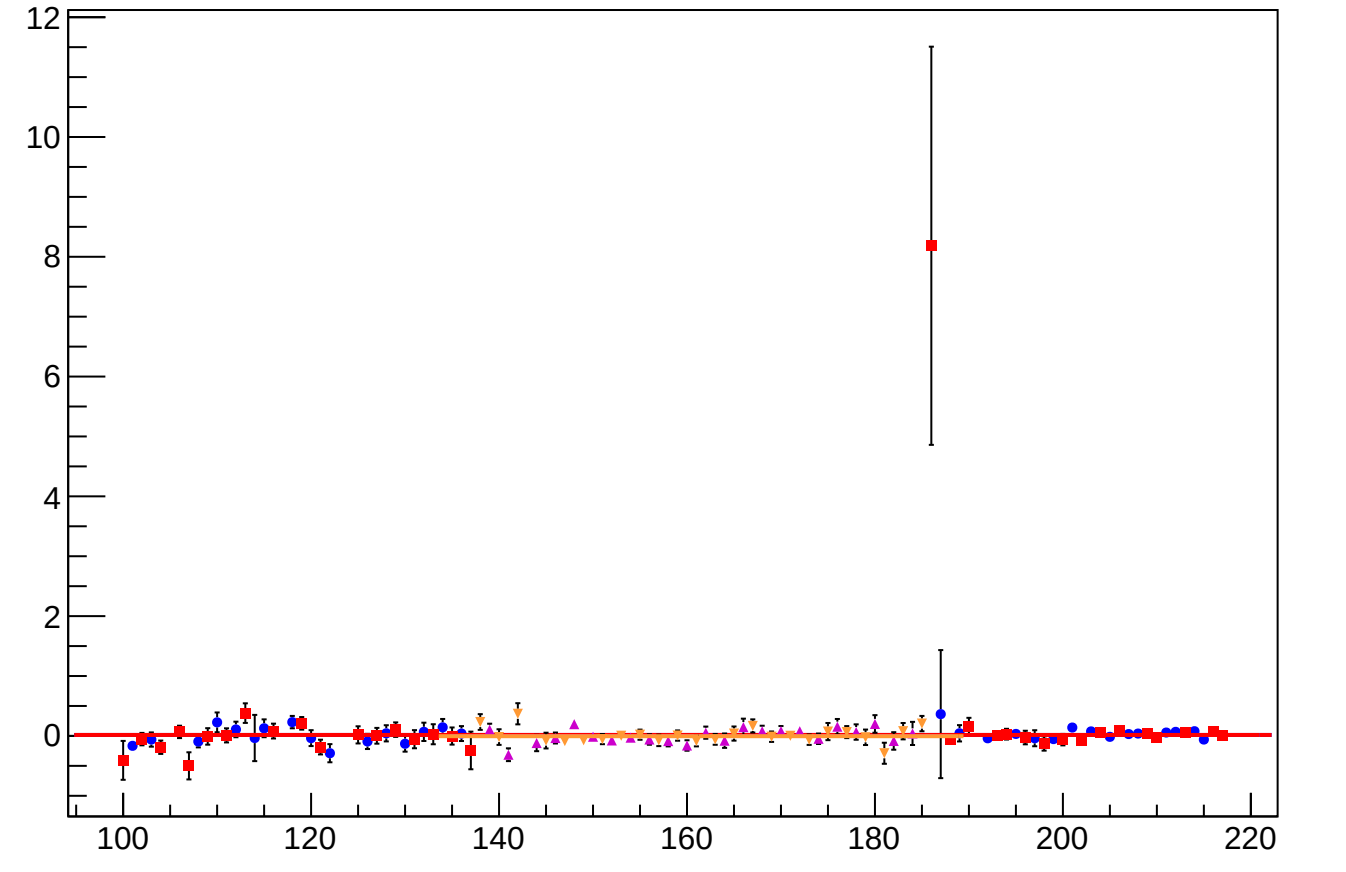
Right Out: 53.223+/-0.009 χ^2/NDF: 2701735.0/33

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

\+ sign 57.155+/-0.007 χ^2/NDF: 4699984.8/54

All: 57.163+/-0.005 χ^2/NDF: 9301325.7/111

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



Right In: 0.016+/-0.016 χ^2/NDF: 29.4/30

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

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

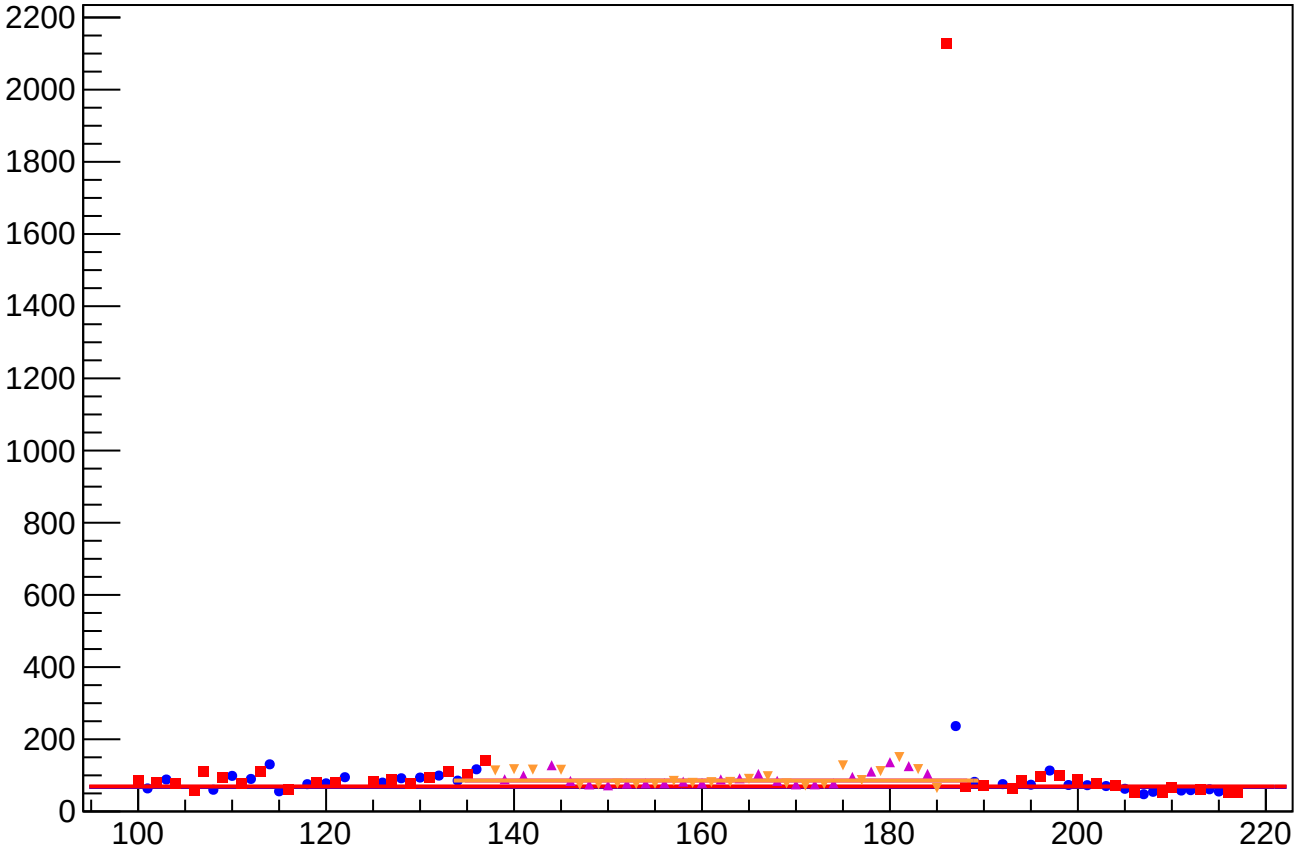
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.008+/-0.013 χ^2/NDF: 51.3/54

All: 0.009+/-0.009 χ^2/NDF: 122.2/111

- sign 0.009+/-0.013 χ^2/NDF: 70.9/56

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 67.835+/-0.012 χ^2/NDF: 1898288.9/30

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

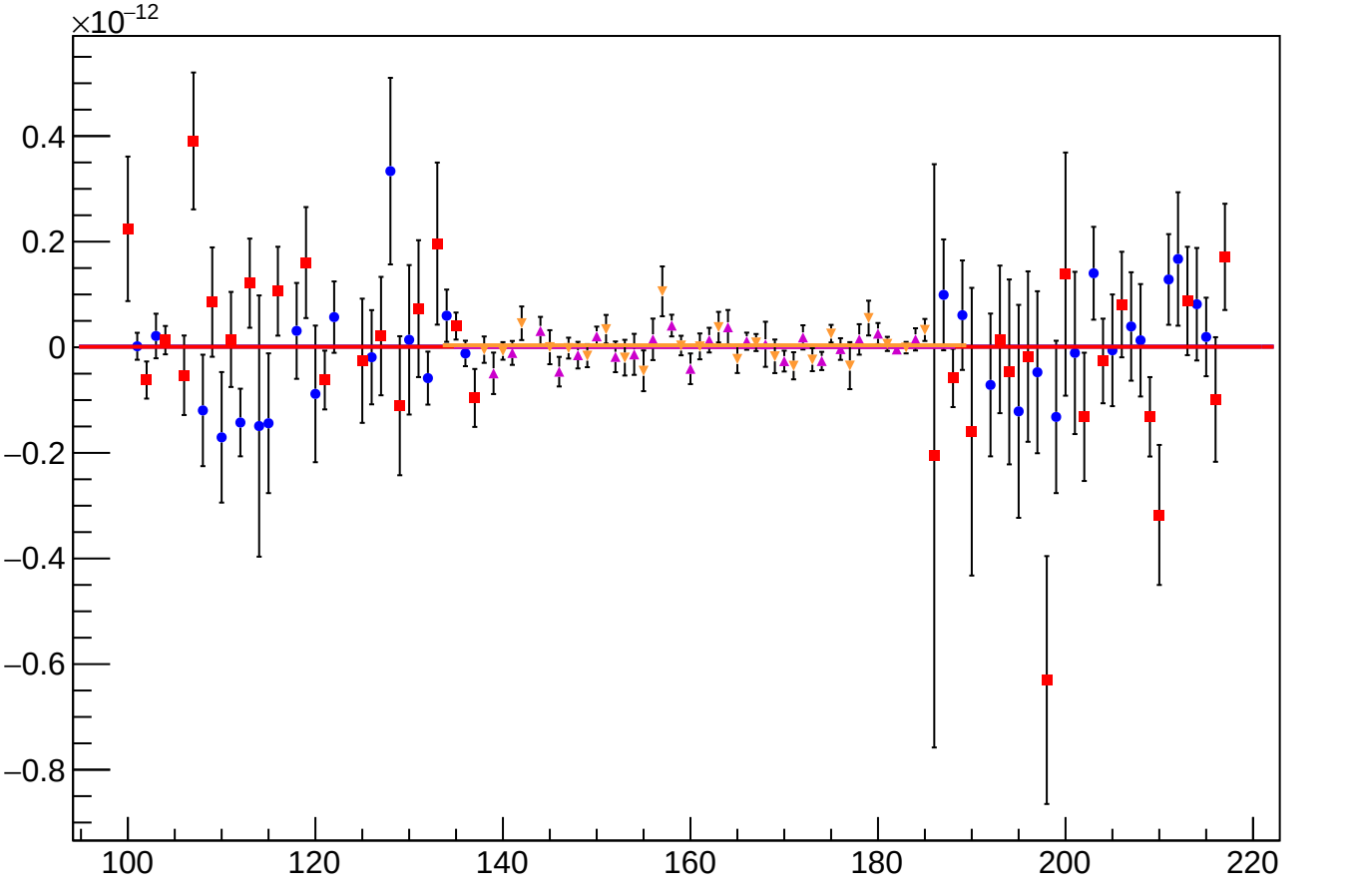
Right Out: 69.266+/-0.012 χ^2/NDF: 2678681.1/33

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

+ sign 74.725+/-0.009 χ^2/NDF: 4161139.4/54

All: 75.164+/-0.006 χ^2/NDF: 8613943.5/111

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



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/30

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

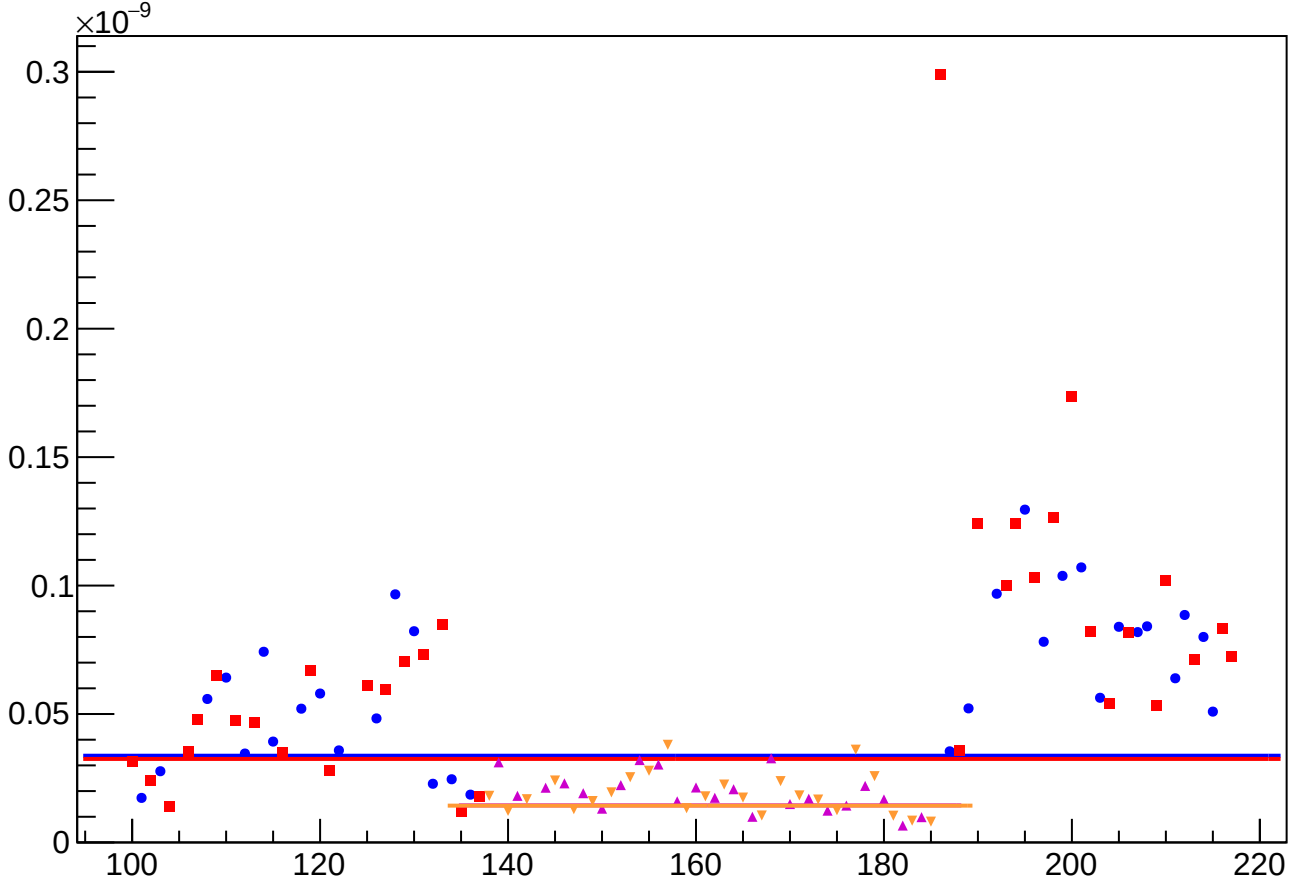
Right Out: 0.000+/-0.000 χ^2/NDF: 56.2/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/54

All: 0.000+/-0.000 χ^2/NDF: 133.1/111

- sign 0.000+/-0.000 χ^2/NDF: 79.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 7398999.1/30

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

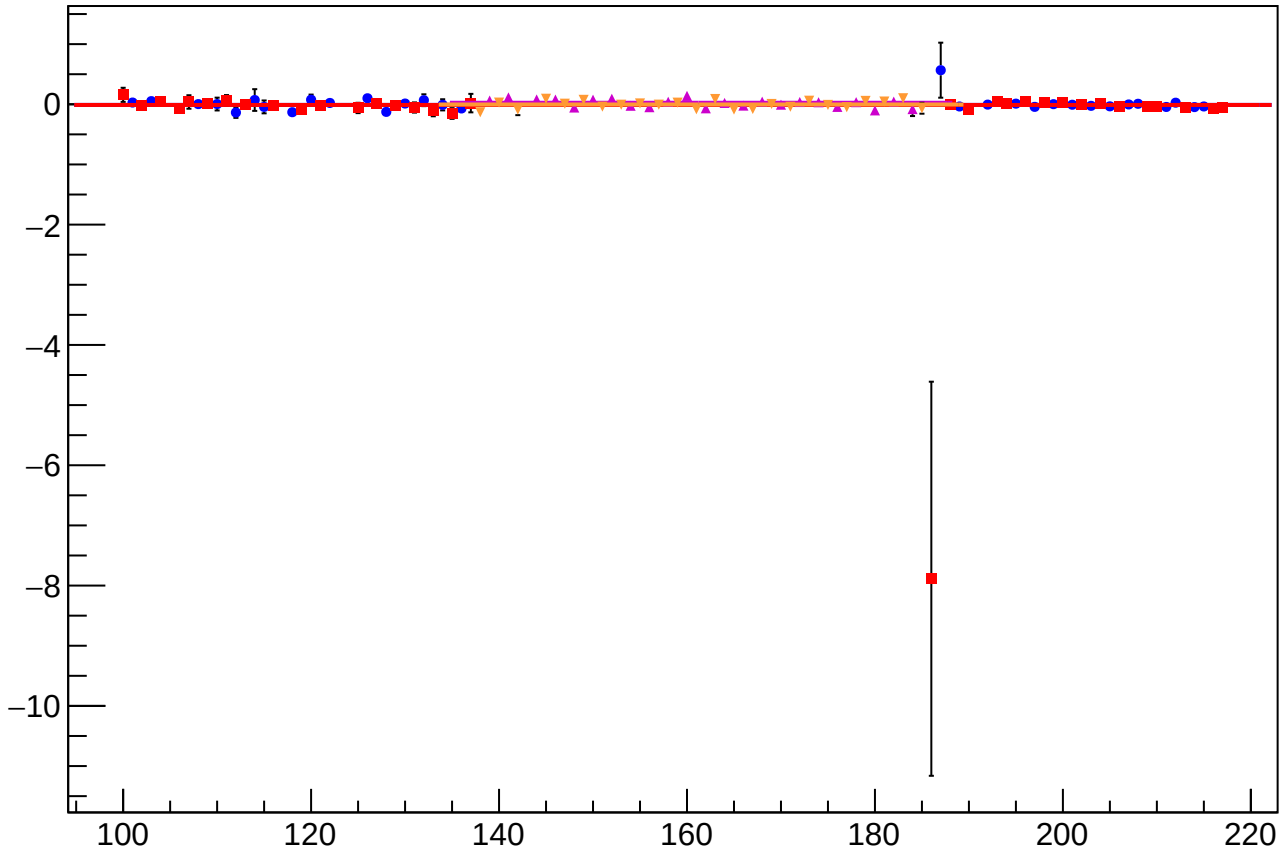
Right Out: 0.000+/-0.000 χ^2/NDF: 9692642.6/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 15650988.2/54

All: 0.000+/-0.000 χ^2/NDF: 33578915.4/111

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



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/30

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

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

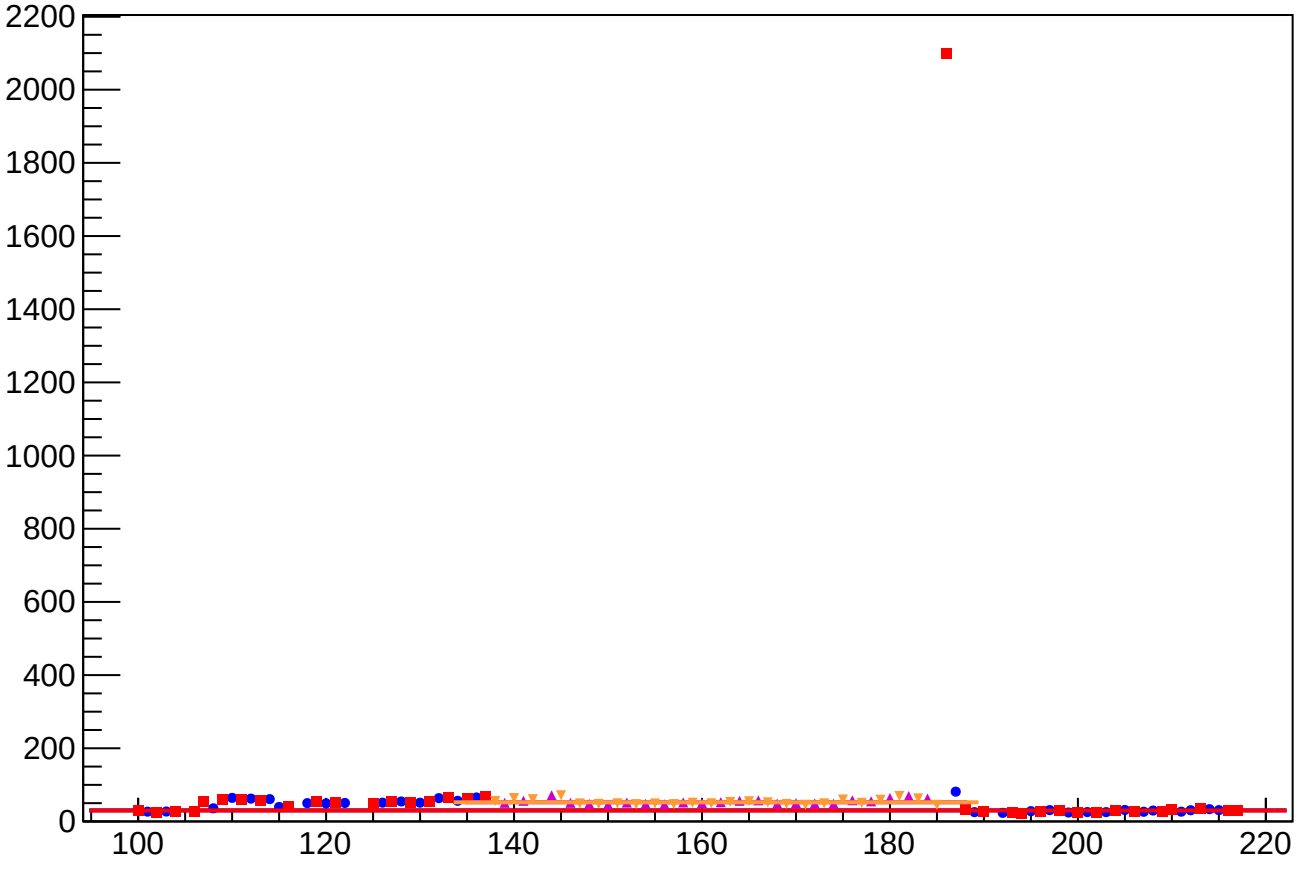
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.008+/-0.006 χ^2/NDF: 48.6/54

All: -0.005+/-0.004 χ^2/NDF: 120.4/111

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

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.368+/-0.005 χ^2/NDF: 2881692.5/30

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

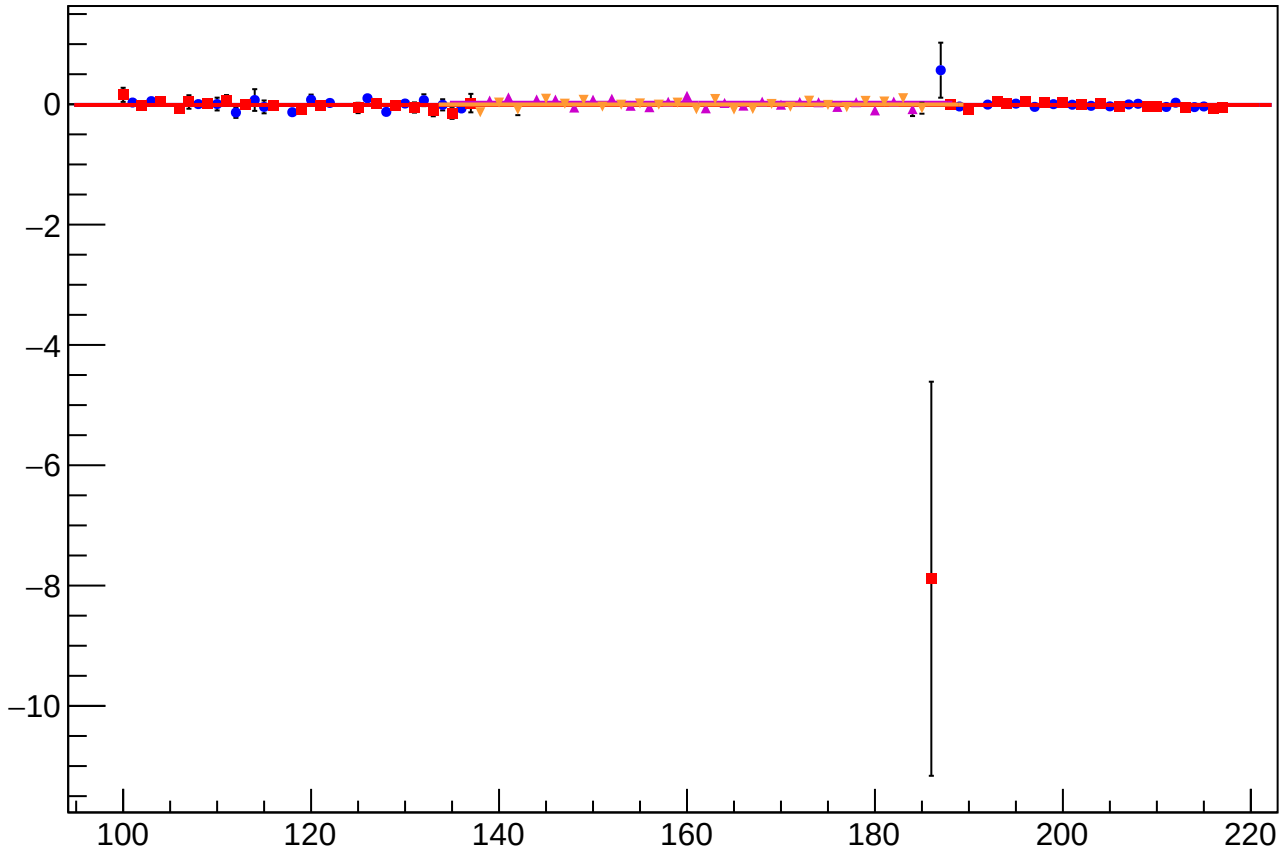
Right Out: 29.934+/-0.005 χ^2/NDF: 3879961.5/33

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

+ sign 36.189+/-0.005 χ^2/NDF: 8016601.8/54

All: 35.883+/-0.003 χ^2/NDF: 17218243.4/111

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



Right In: -0.010+/-0.007 χ^2/NDF: 25.2/30

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

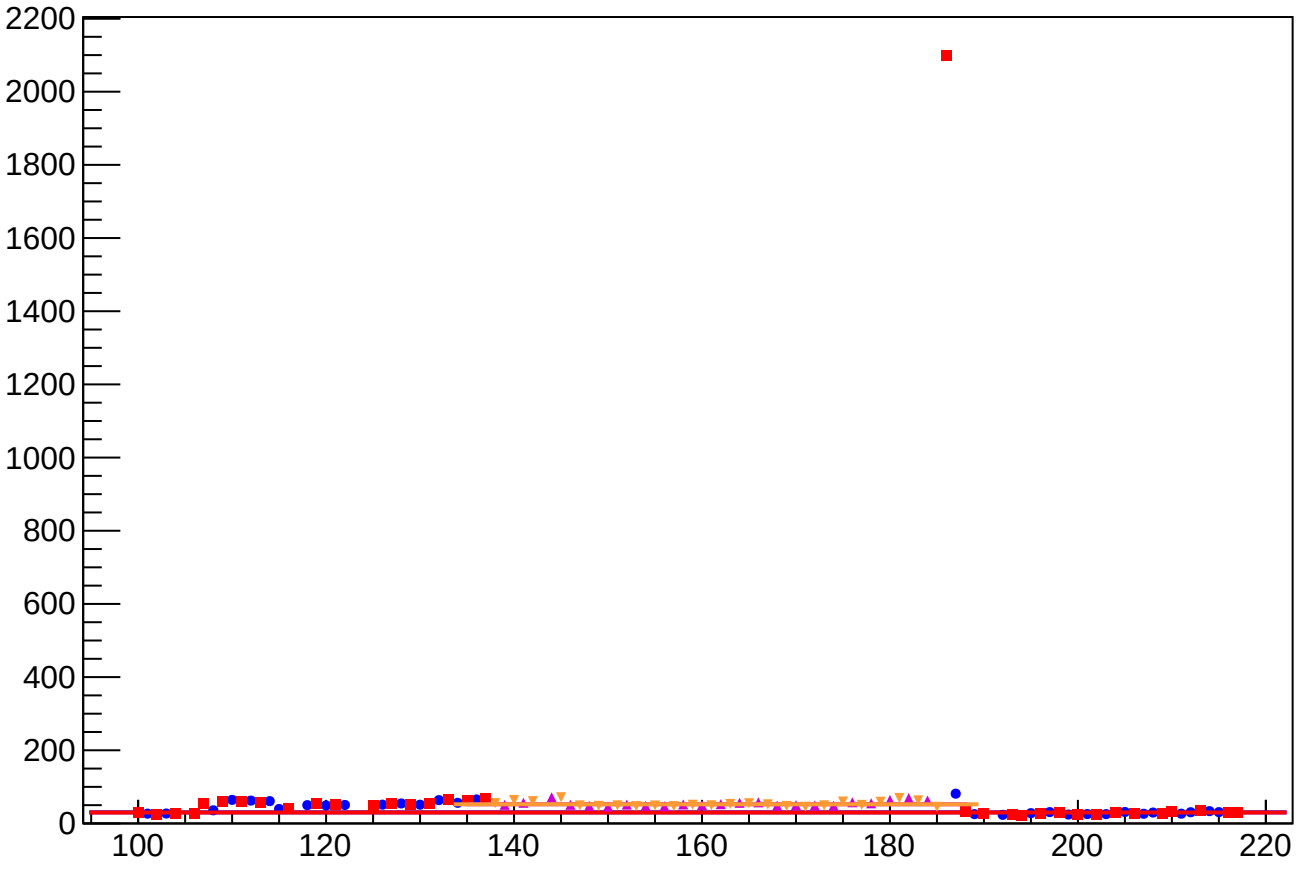
Right Out: -0.011+/-0.007 χ^2/NDF: 40.7/33

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

\+ sign -0.008+/-0.006 χ^2/NDF: 48.6/54

All: -0.005+/-0.004 χ^2/NDF: 120.4/111

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



Right In: 30.368+/-0.005 χ^2/NDF: 2881692.5/30

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

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

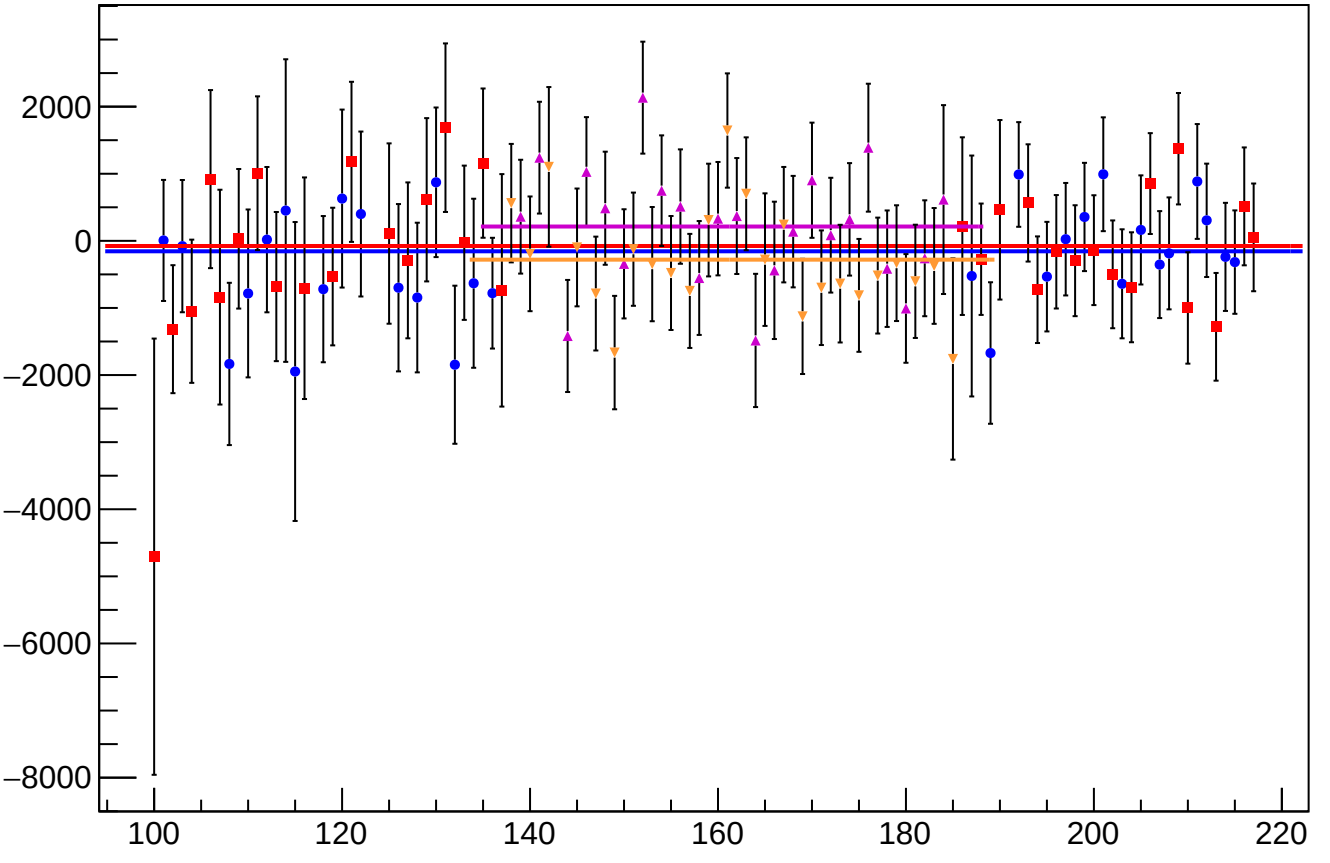
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 36.189+/-0.005 χ^2/NDF: 8016601.8/54

All: 35.883+/-0.003 χ^2/NDF: 17218243.4/111

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

reg_asym_us_dd_mean vs Slug



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

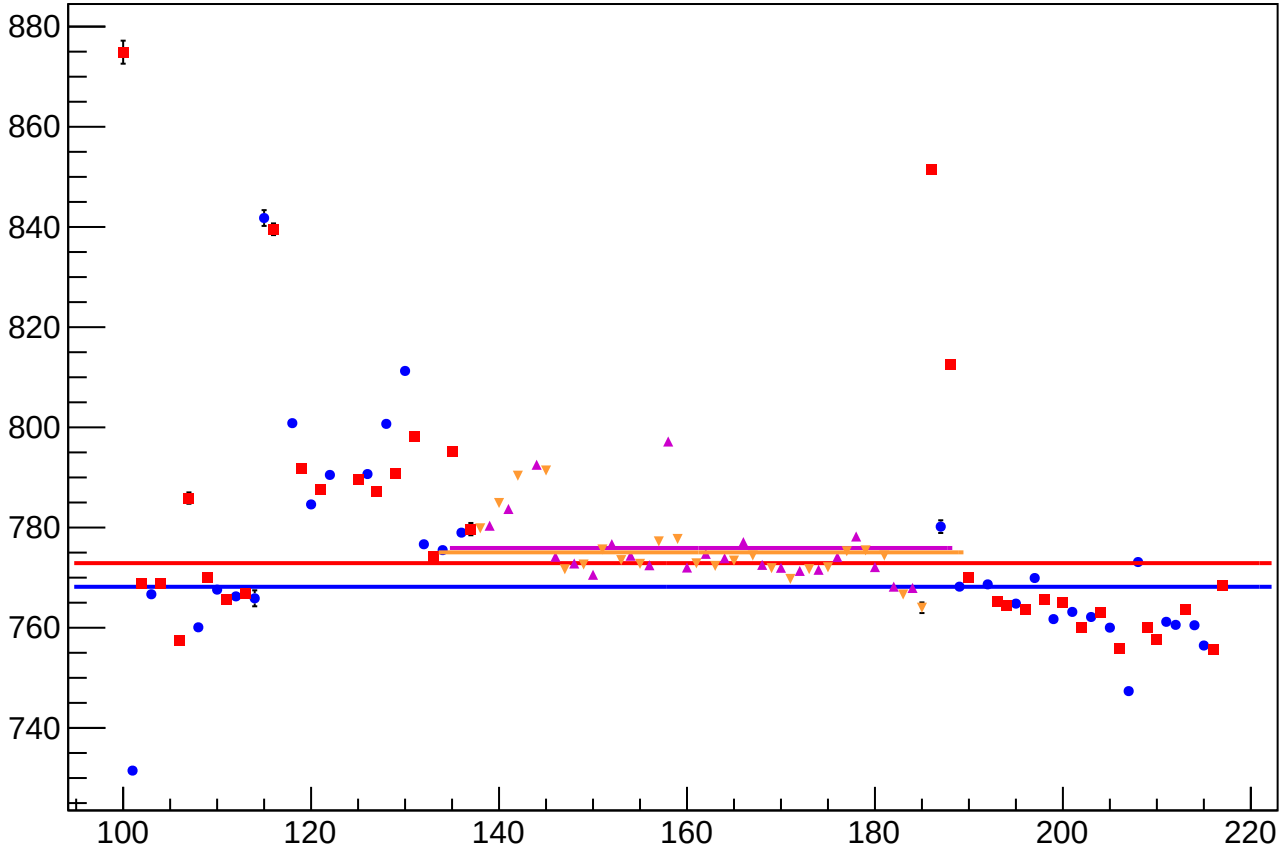
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -216.279+/-125.375 χ^2/NDF: 33.5/54

All: -77.008+/-88.361 χ^2/NDF: 82.3/111

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

reg_asym_us_dd_rms vs Slug



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

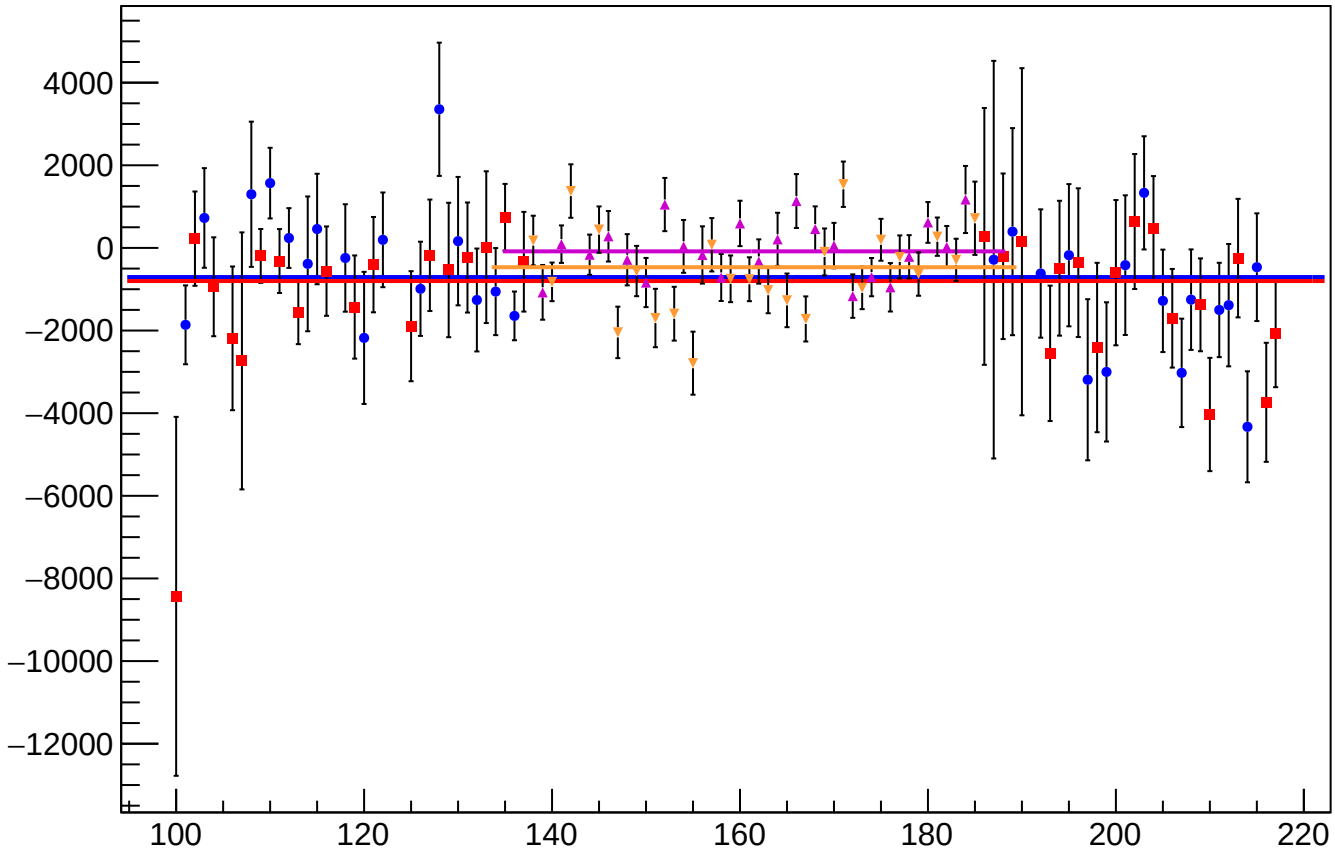
Right Out: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

+ sign 771.514+/-0.089 χ^2/NDF: 20688.4/54

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111

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



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

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

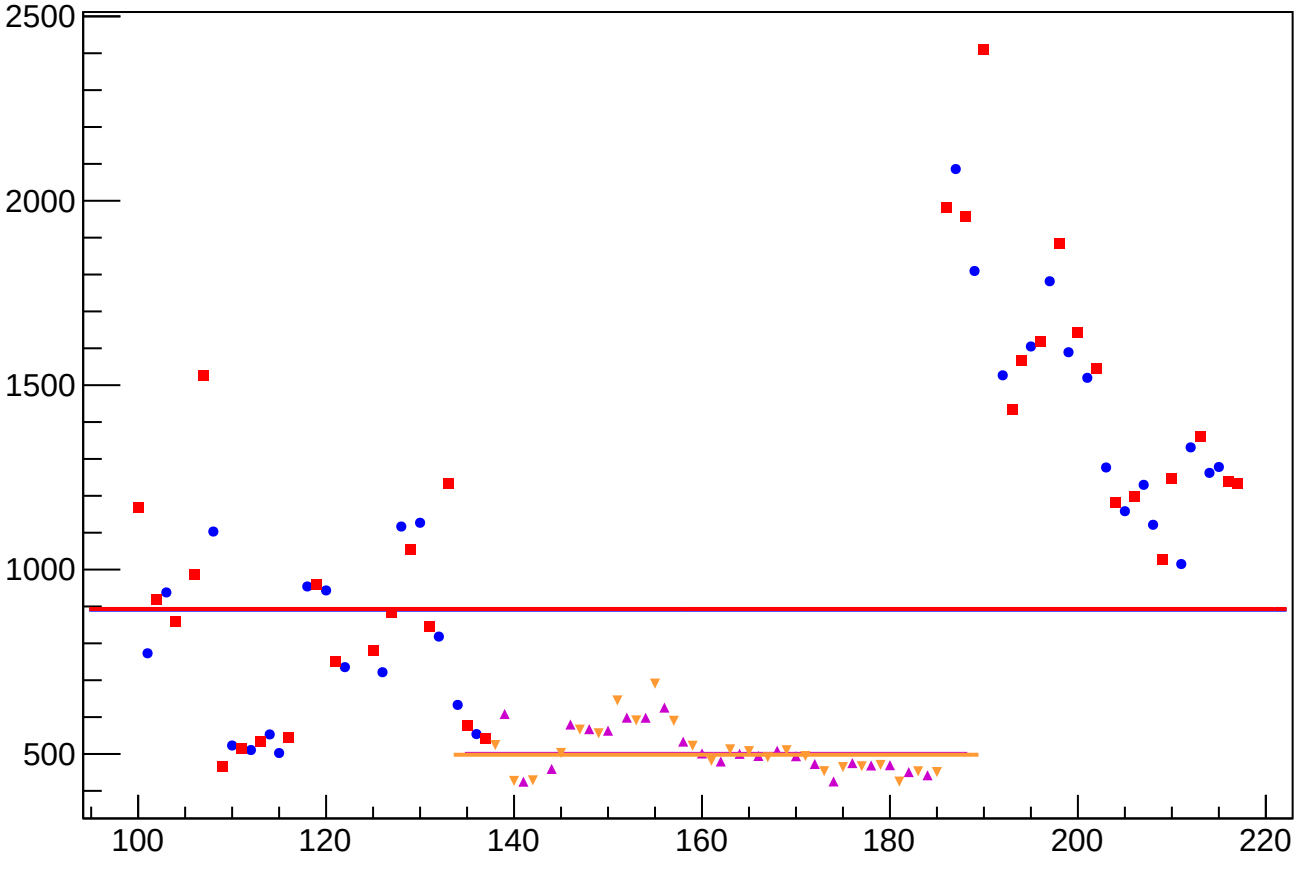
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -519.636+/-103.034 χ^2/NDF: 107.8/54

All: -383.501+/-73.063 χ^2/NDF: 176.1/111

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

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

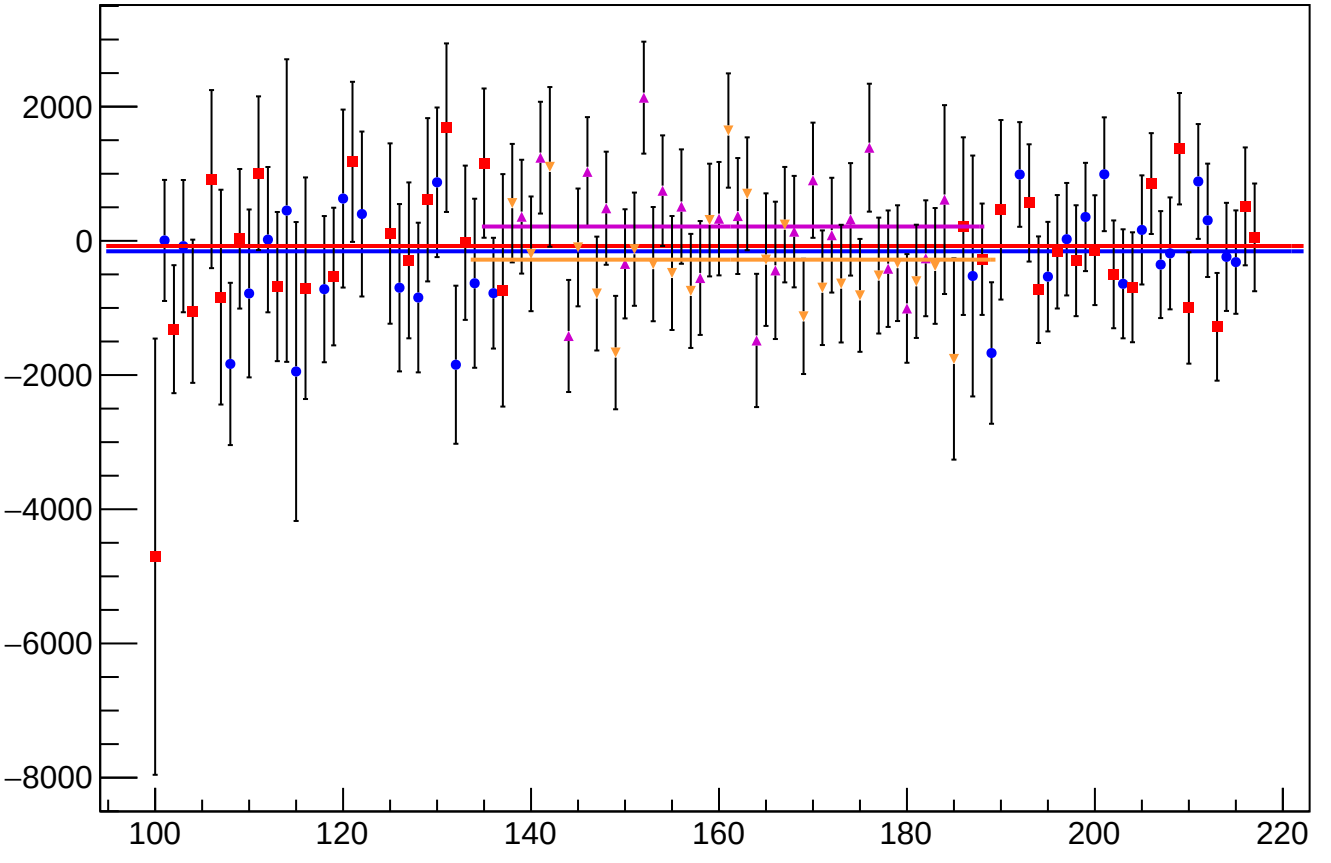
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

\+ sign 584.758+/-0.073 χ^2/NDF: 10828572.9/54

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/11

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

cor_asym_us_dd_mean vs Slug



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

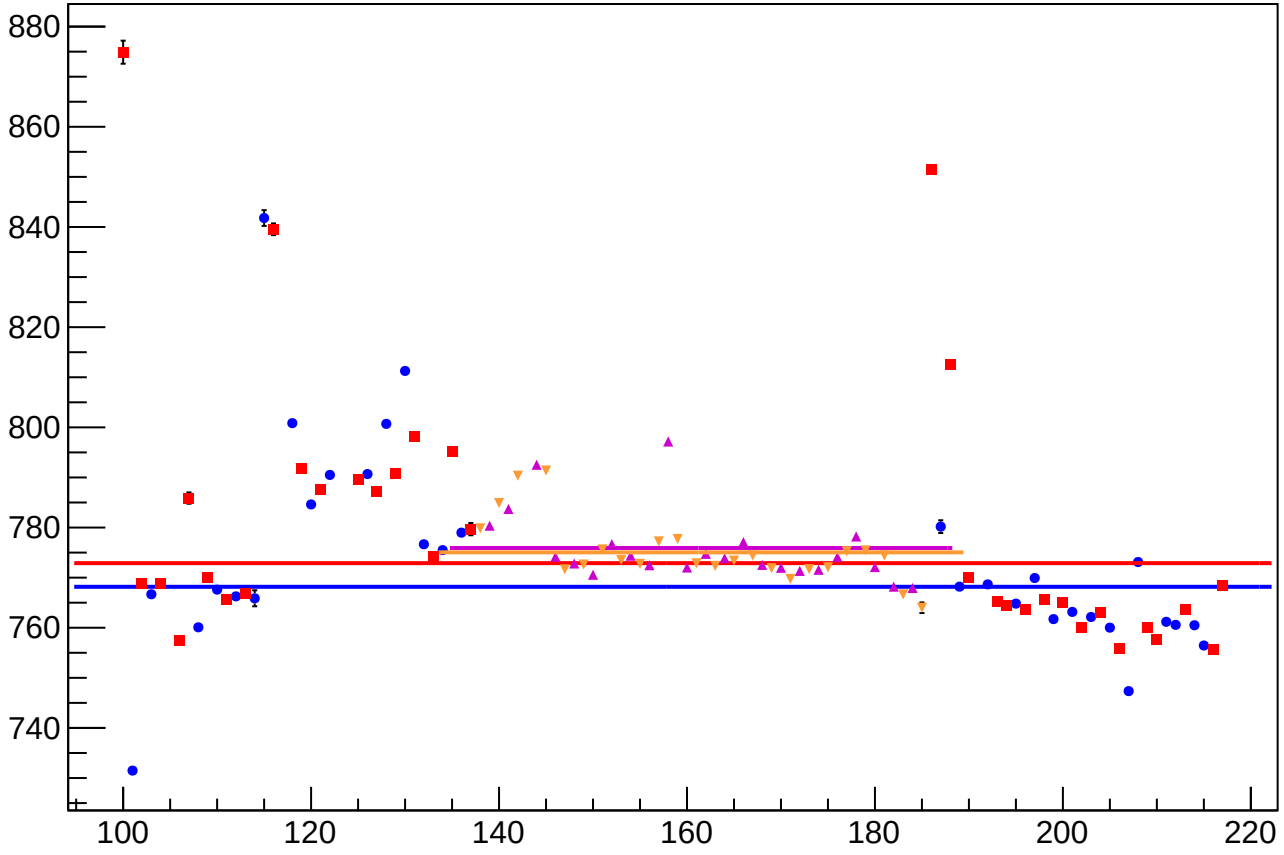
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -216.279+/-125.375 χ^2/NDF: 33.5/54

All: -77.008+/-88.361 χ^2/NDF: 82.3/111

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

cor_asym_us_dd_rms vs Slug



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

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

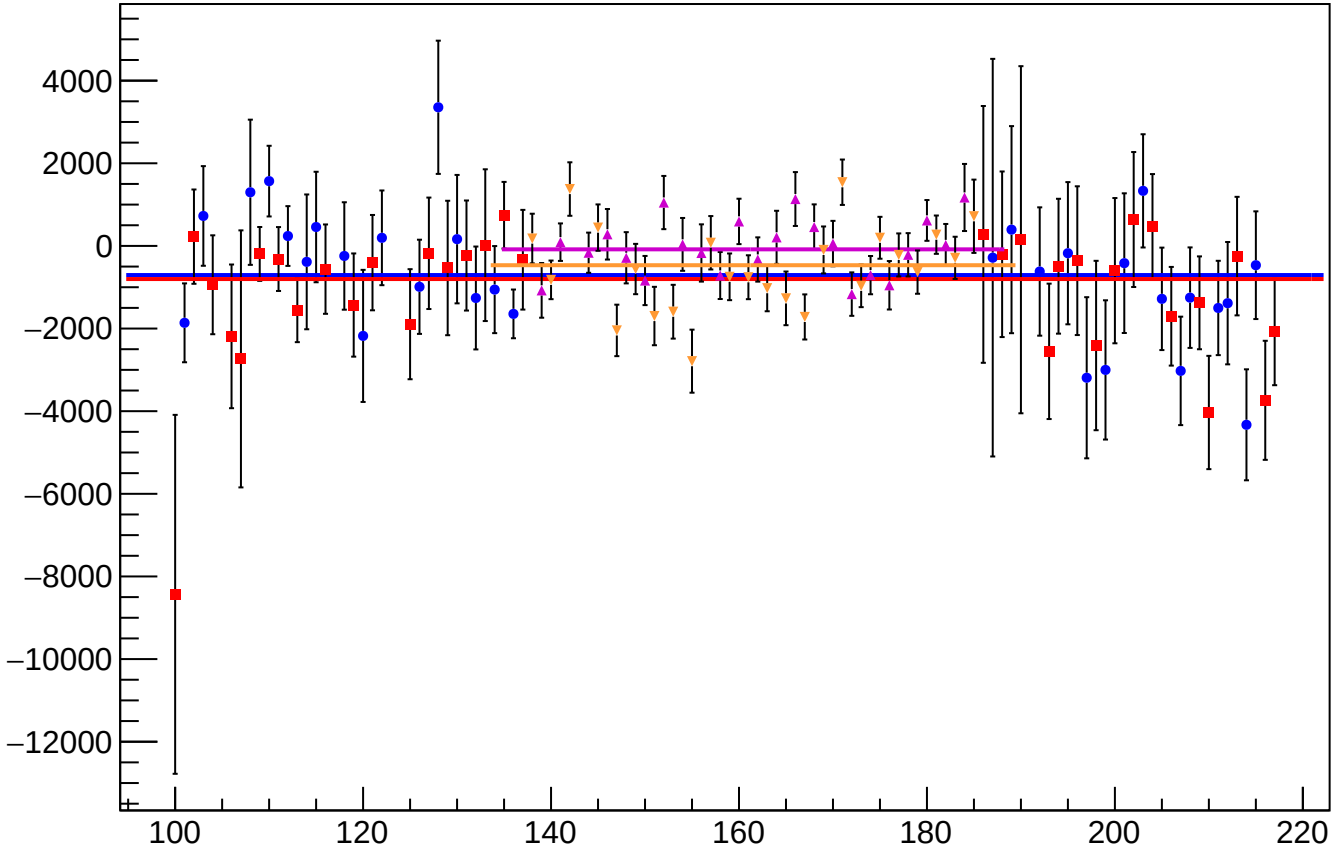
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 771.514+/-0.089 χ^2/NDF: 20688.4/54

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111

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

asym_us_dd_cor_correction_mean vs Slug



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

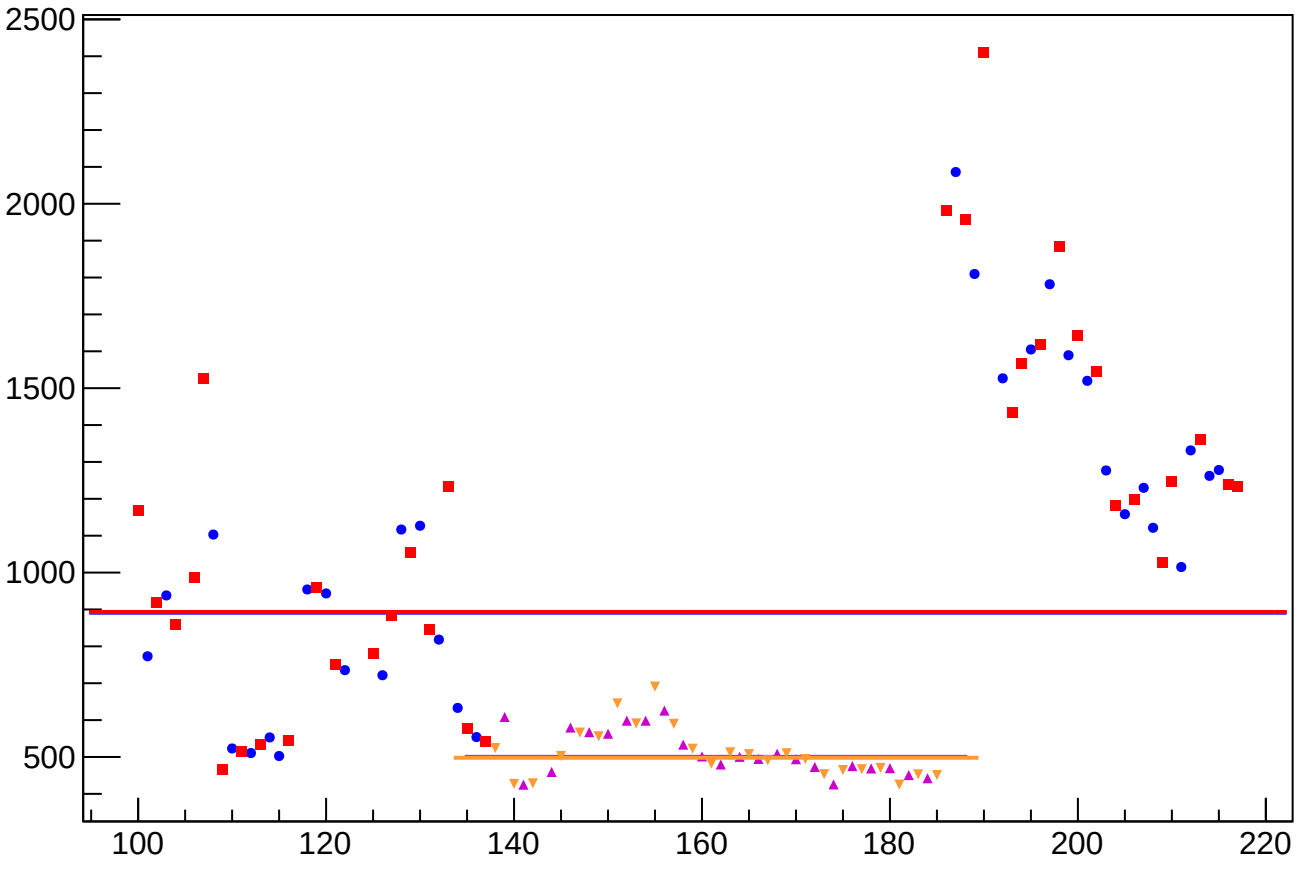
Right Out: -801.814+/-217.811 χ^2/NDF: 28.2/33

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

+ sign -519.636+/-103.034 χ^2/NDF: 107.8/54

All: -383.501+/-73.063 χ^2/NDF: 176.1/111

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



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

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

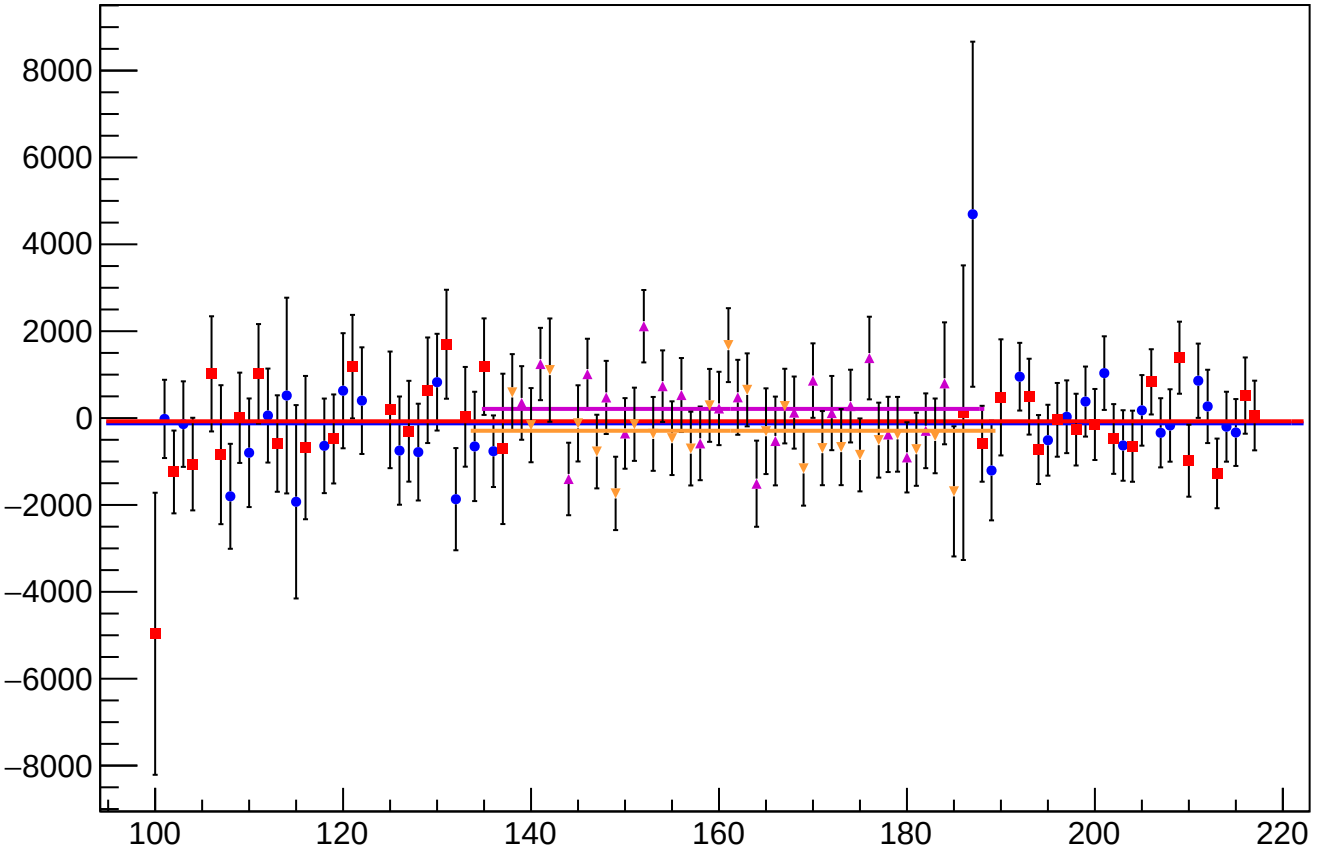
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 584.758+/-0.073 χ^2/NDF: 10828572.9/54

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/11

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -121.126+/-175.738 χ^2/NDF: 17.0/30

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

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

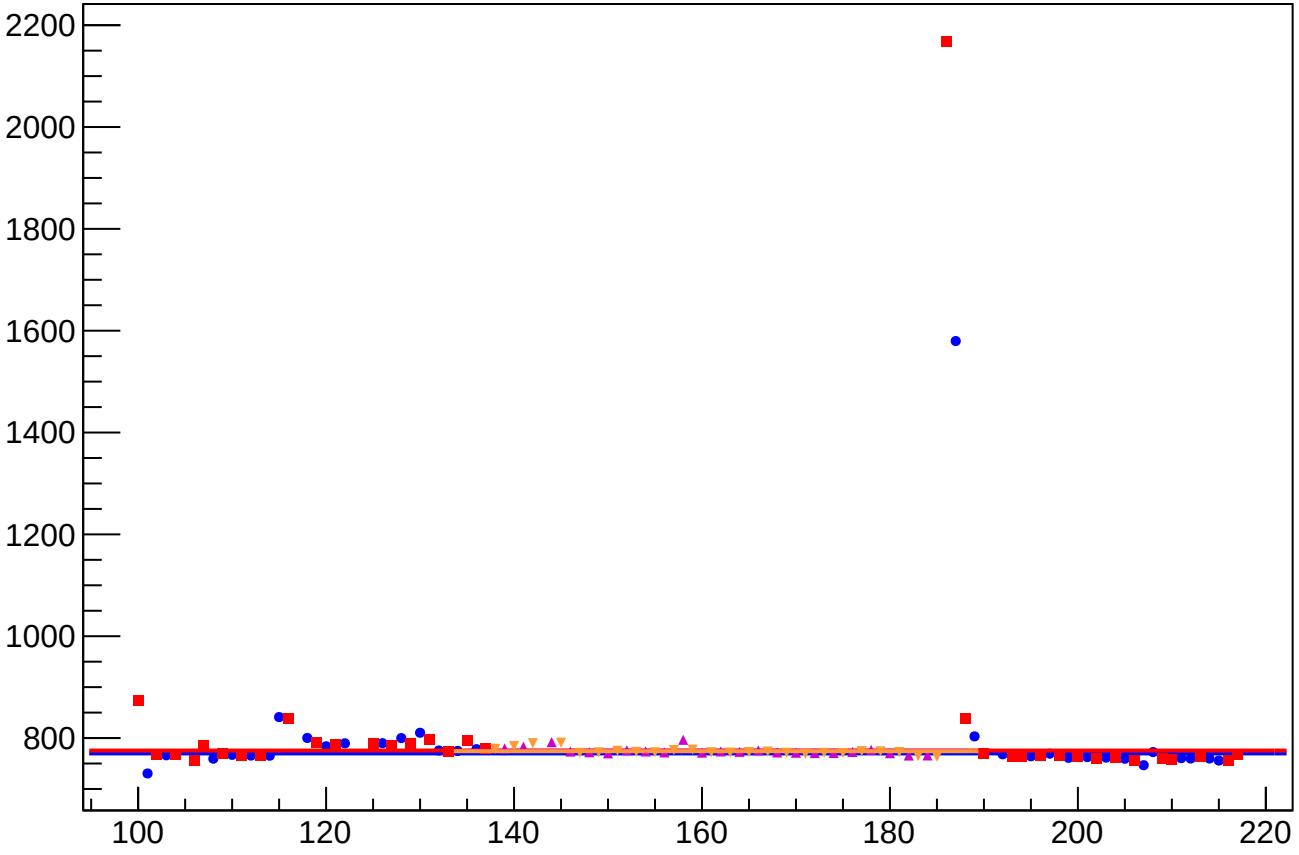
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -204.690+/-125.633 χ^2/NDF: 34.1/54

All: -70.579+/-88.629 χ^2/NDF: 82.6/111

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 769.826+/-0.124 χ^2/NDF: 102357.6/30

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

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

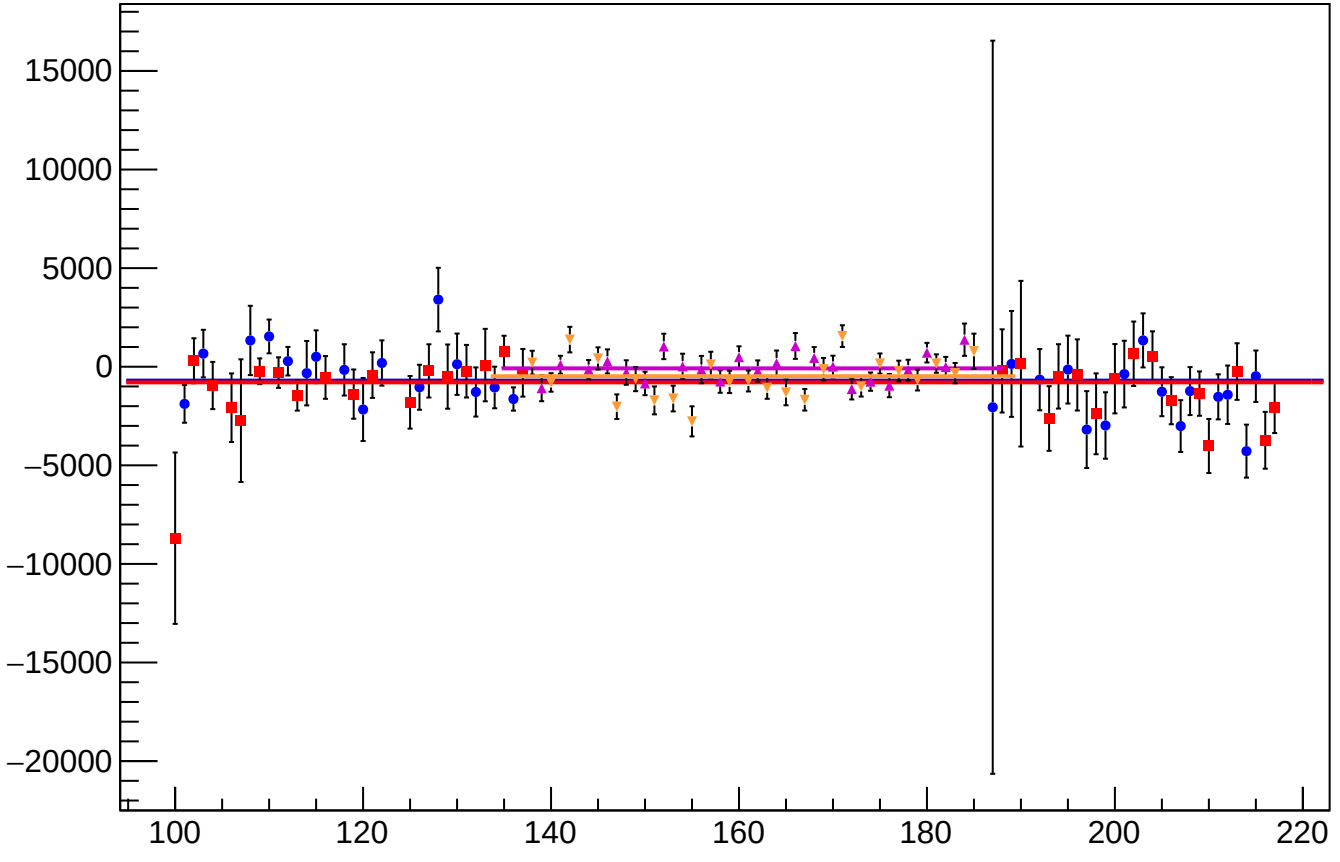
Left In: 774.990+/-0.128 χ^2/NDF:3148.2/22

+ sign 771.936+/-0.089 χ^2/NDF: 105007.6/54

All: 773.601+/-0.063 χ^2/NDF: 472429.0/111

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

asym_us_dd_overload_cor_correction_mean vs Slug



Right In: -704.932+/-219.902 χ^2/NDF: 42.3/30

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

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

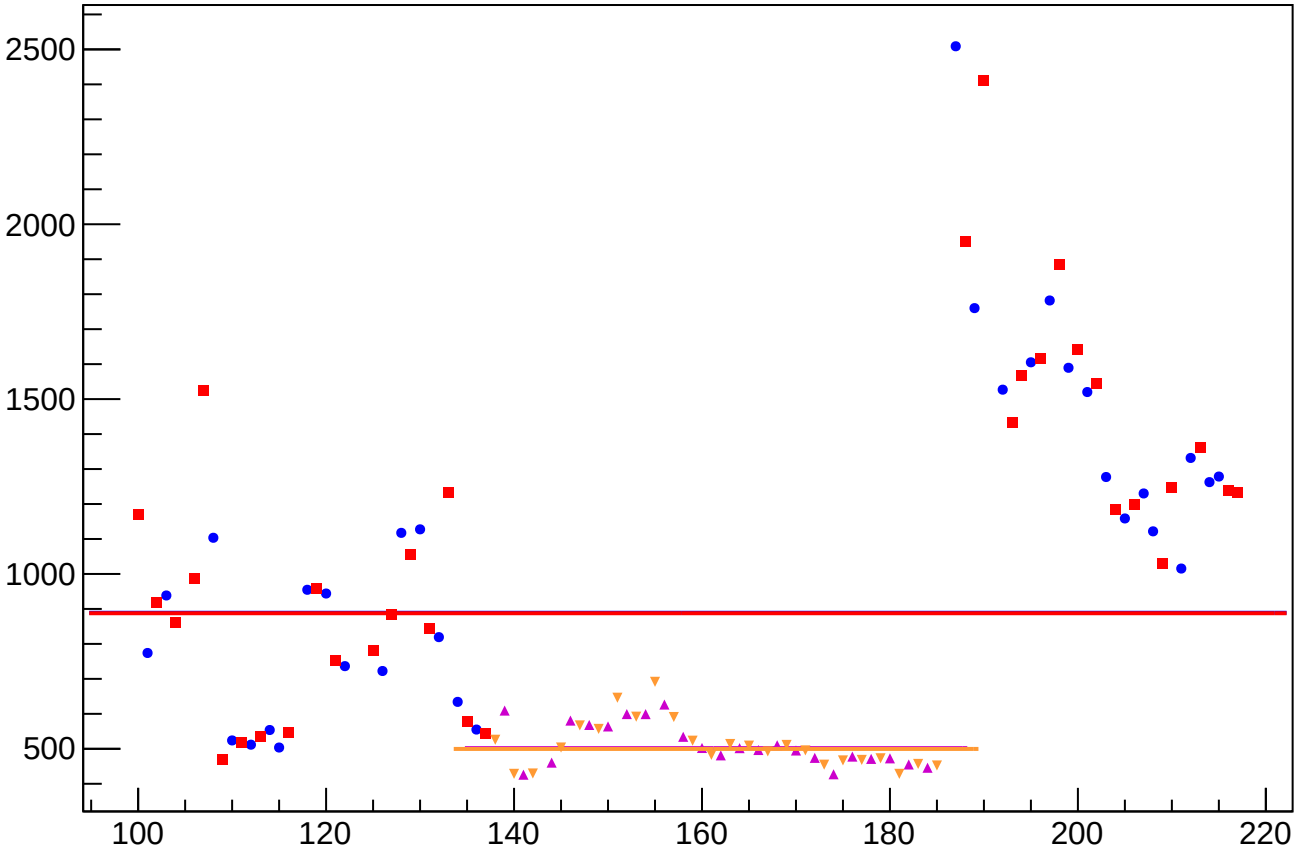
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

\+ sign -530.710+/-103.353 χ^2/NDF: 106.6/54

All: -387.881+/-73.303 χ^2/NDF: 174.9/110

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 888.995+/-0.155 χ^2/NDF: 5104206.7/30

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

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

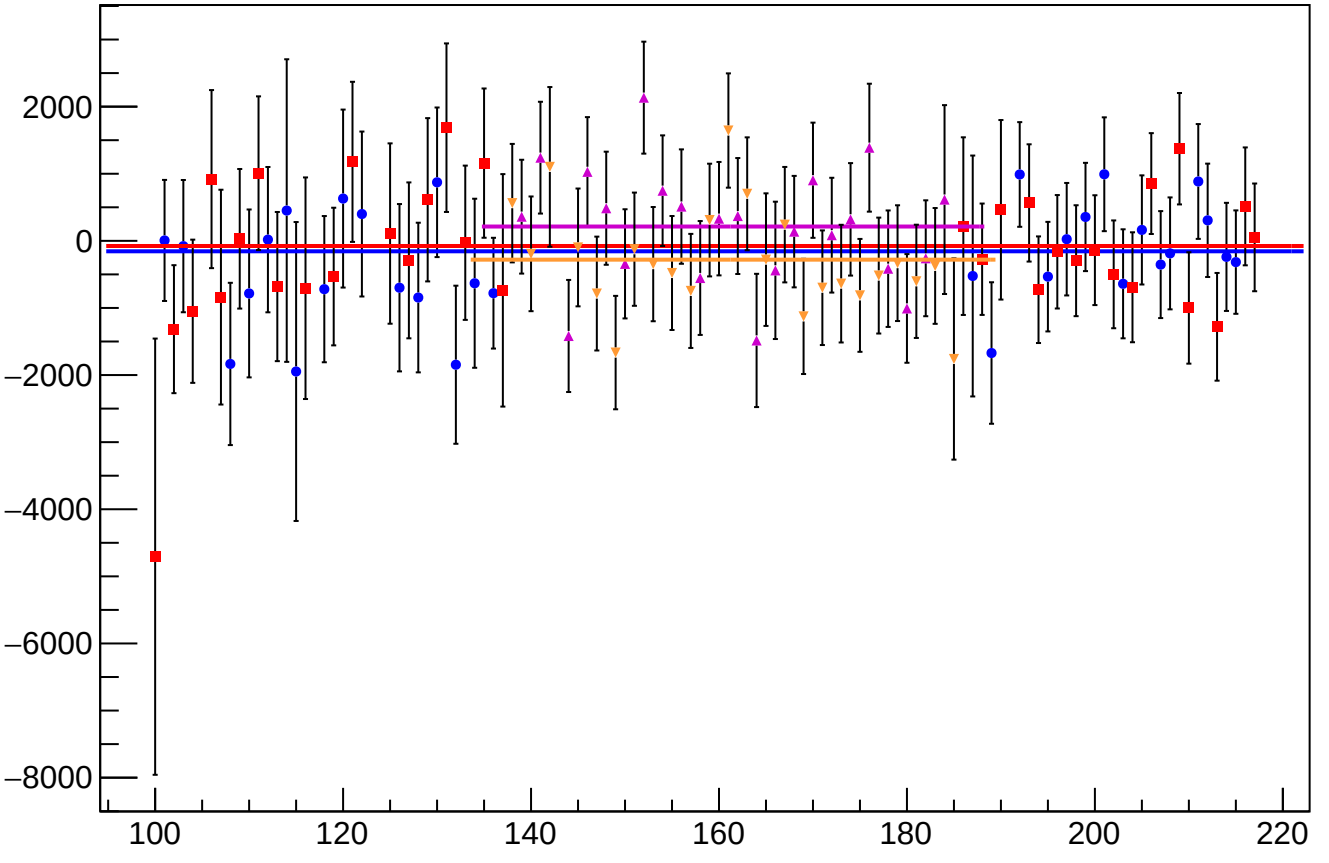
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 585.670+/-0.073 χ^2/NDF: 10504703.1/54

All: 587.419+/-0.052 χ^2/NDF: 22103999.8/11

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -155.735+/-174.842 χ^2/NDF: 17.1/30

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

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

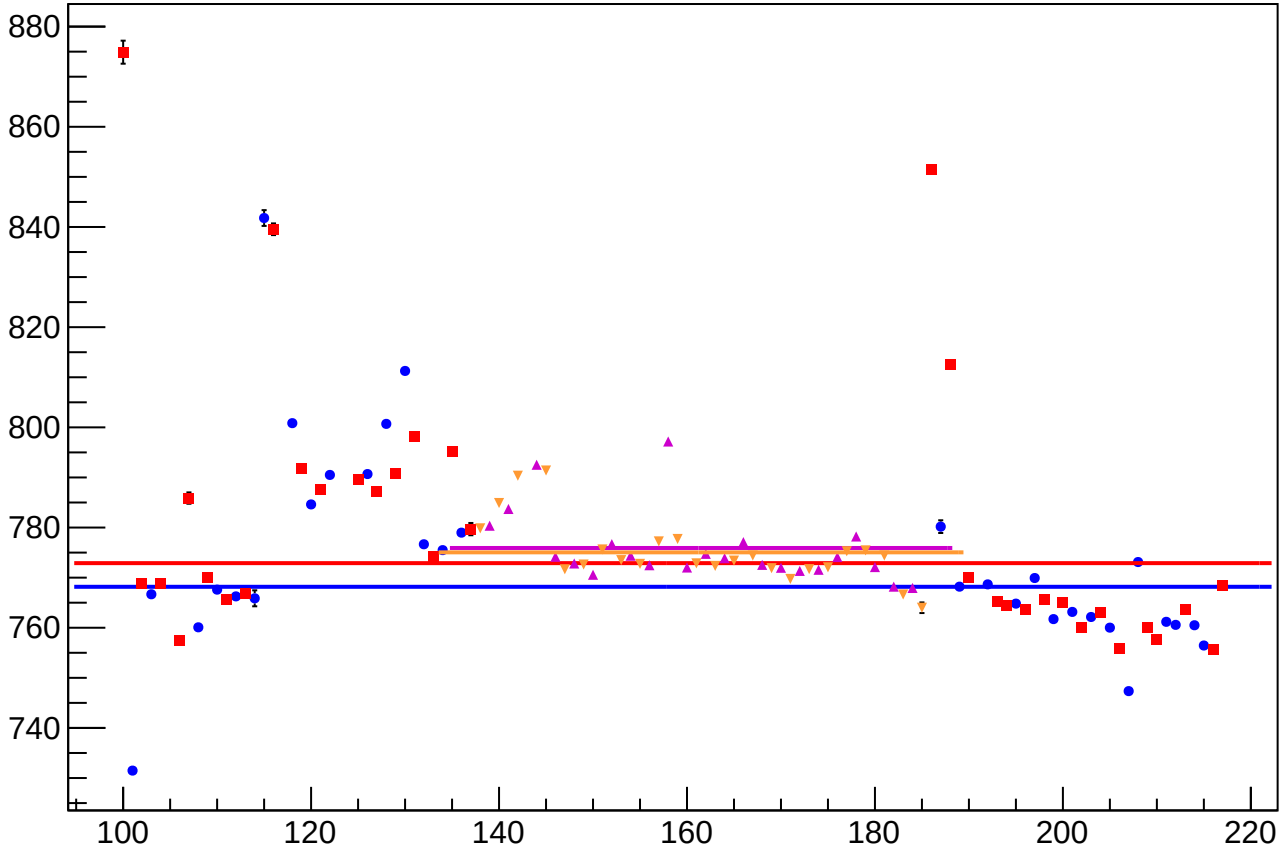
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -216.279+/-125.375 χ^2/NDF: 33.5/54

All: -77.008+/-88.361 χ^2/NDF: 82.3/111

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 768.174+/-0.124 χ^2/NDF: 17234.7/30

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

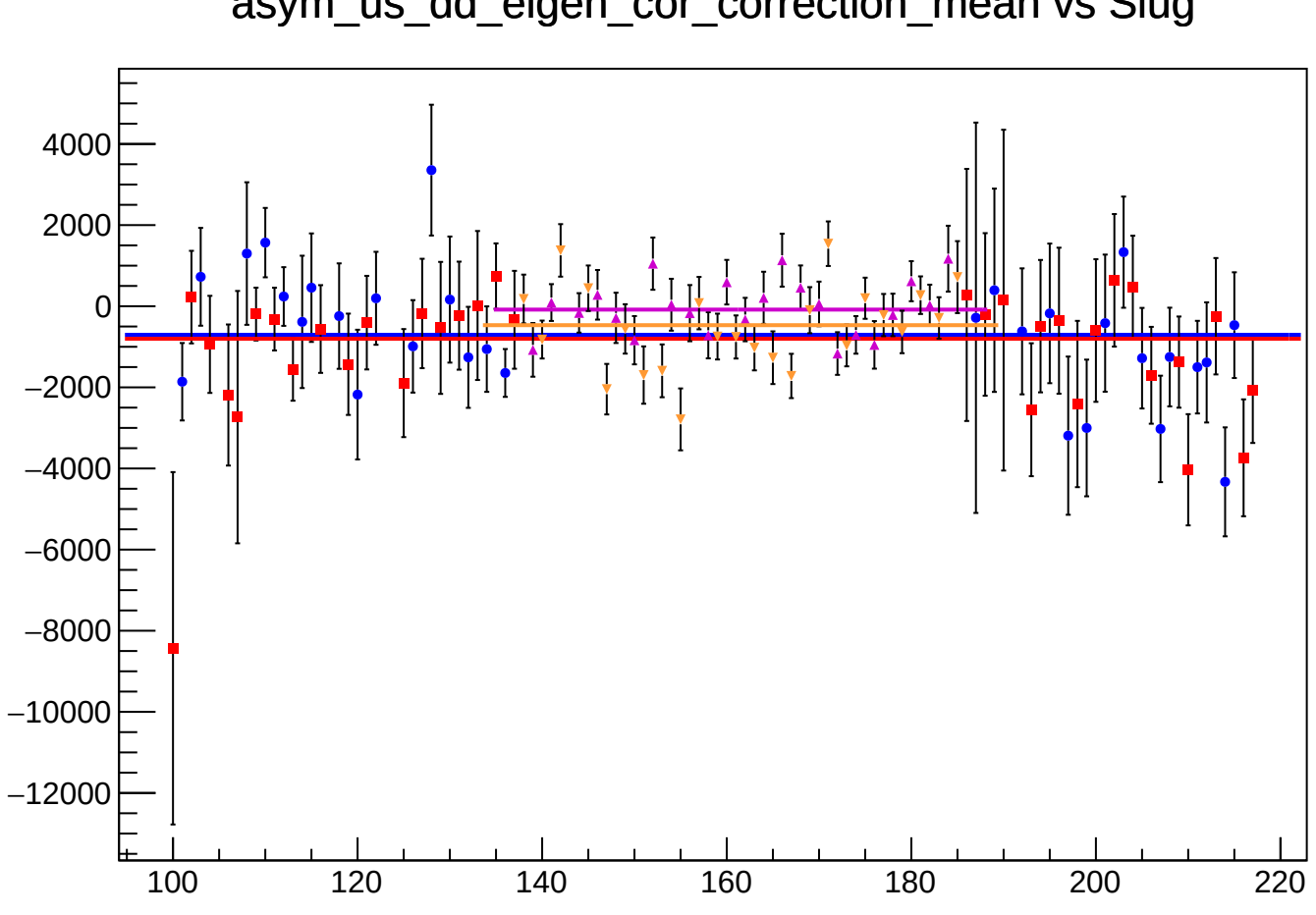
Right Out: 772.897+/-0.121 χ^2/NDF: 26215.3/33

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

+ sign 771.514+/-0.089 χ^2/NDF: 20688.4/54

All: 772.930+/-0.062 χ^2/NDF: 50677.3/111

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



Right In: -705.011+/-219.343 χ^2/NDF: 42.5/30

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

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

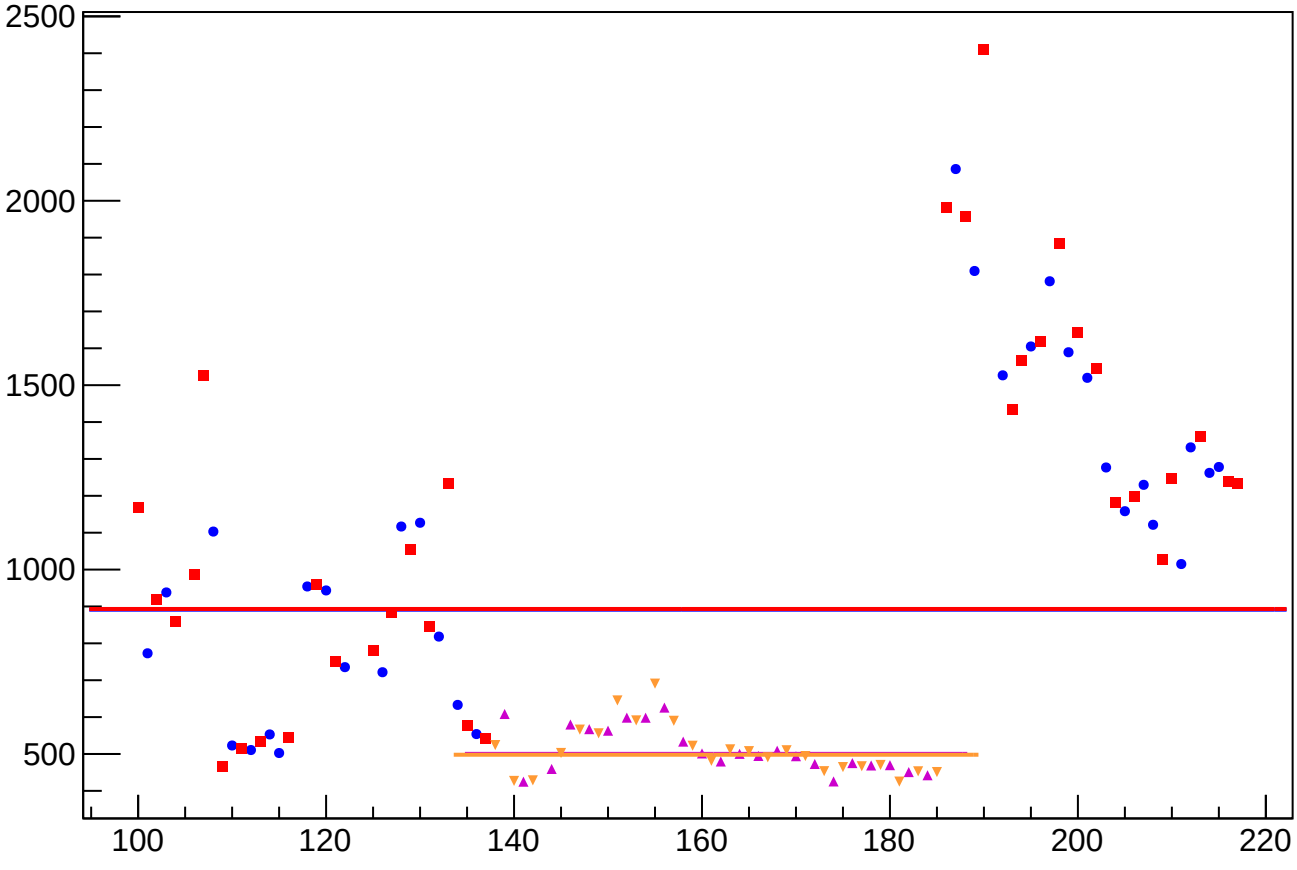
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -519.636+/-103.034 χ^2/NDF: 107.8/54

All: -383.501+/-73.063 χ^2/NDF: 176.1/111

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 891.304+/-0.155 χ^2/NDF: 5289202.2/30

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

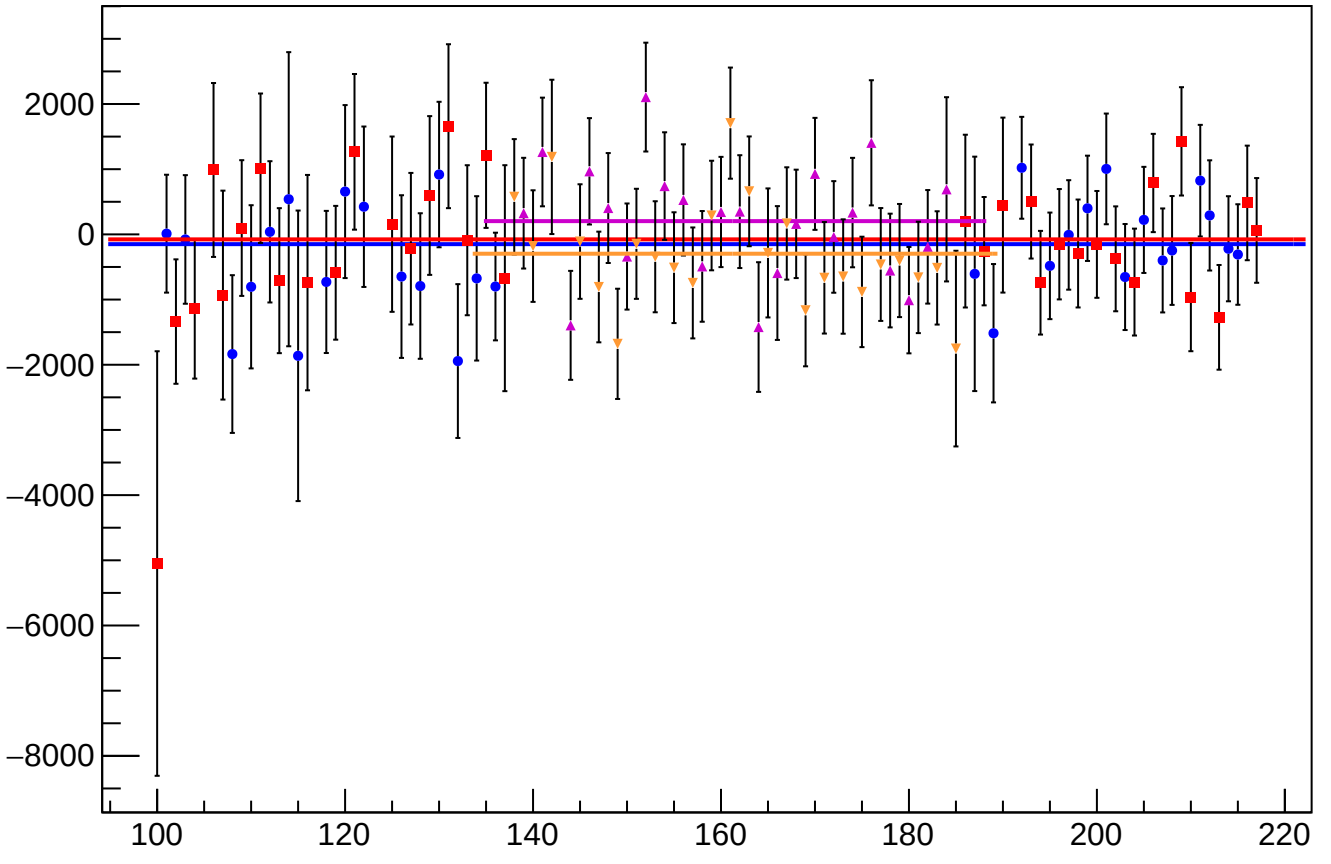
Right Out: 893.197+/-0.154 χ^2/NDF: 6652568.5/33

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

+ sign 584.758+/-0.073 χ^2/NDF: 10828572.9/54

All: 586.981+/-0.052 χ^2/NDF: 22995045.1/11

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



Right In: -149.953+/-175.045 χ^2/NDF: 17.1/30

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

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

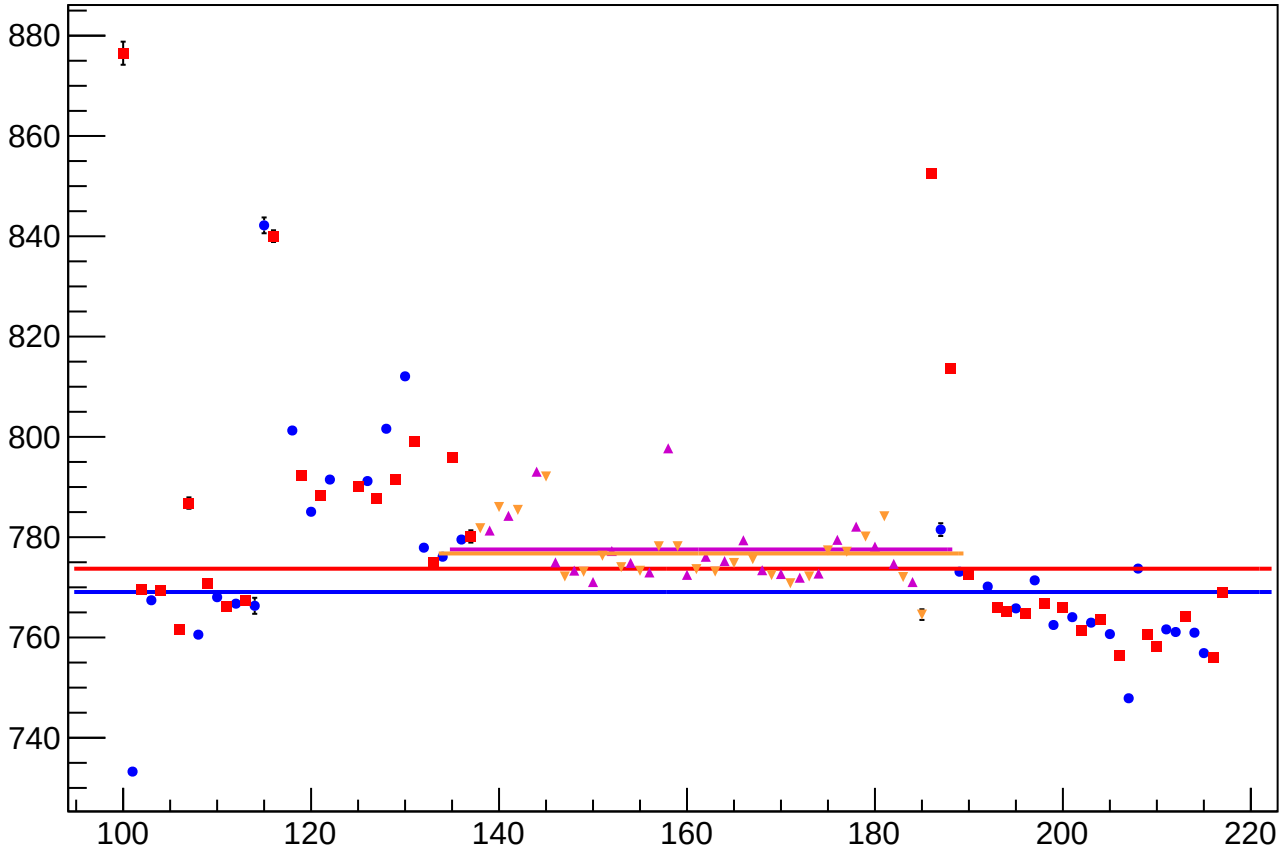
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -221.199+/-125.586 χ^2/NDF: 34.2/54

All: -81.889+/-88.506 χ^2/NDF: 83.3/111

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

dit_asym_us_dd_rms vs Slug



Right In: 769.067+/-0.124 χ^2/NDF: 17111.7/30

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

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

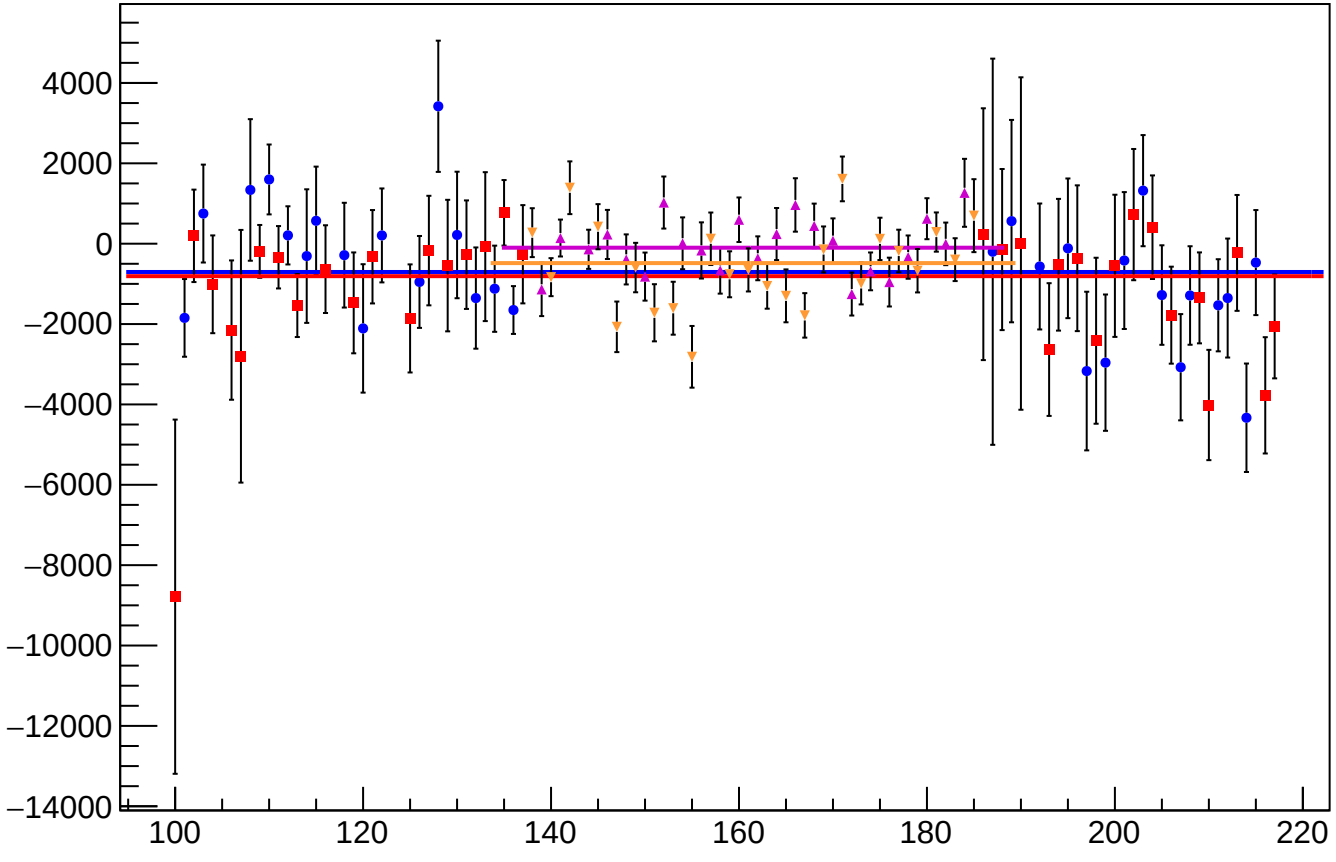
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 772.796+/-0.089 χ^2/NDF: 20808.1/54

All: 774.169+/-0.063 χ^2/NDF: 50672.7/111

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -704.093+/-221.190 χ^2/NDF: 42.4/30

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

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

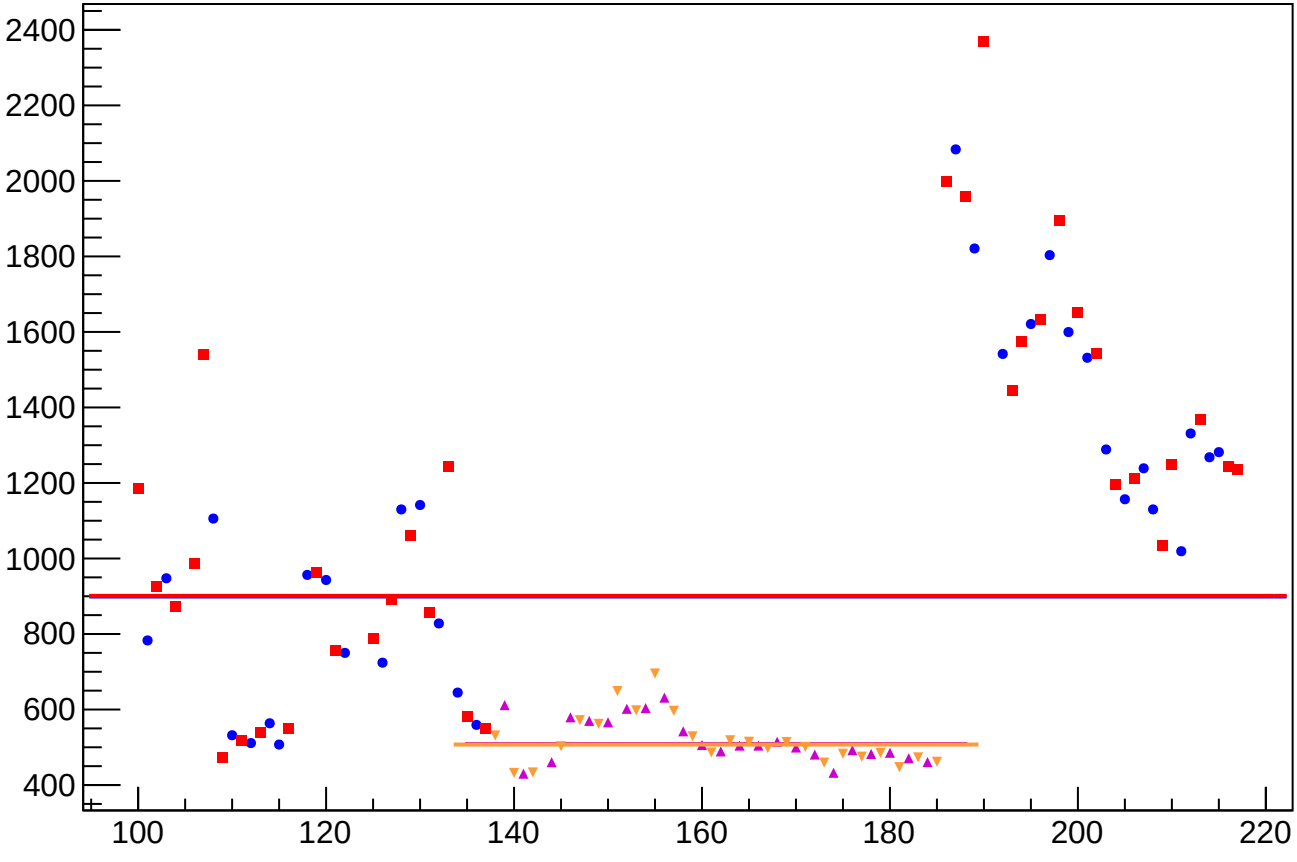
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -532.415+/-104.663 χ^2/NDF: 108.3/54

All: -397.879+/-74.154 χ^2/NDF: 175.4/111

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 899.360+/-0.156 χ^2/NDF: 5253263.6/30

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

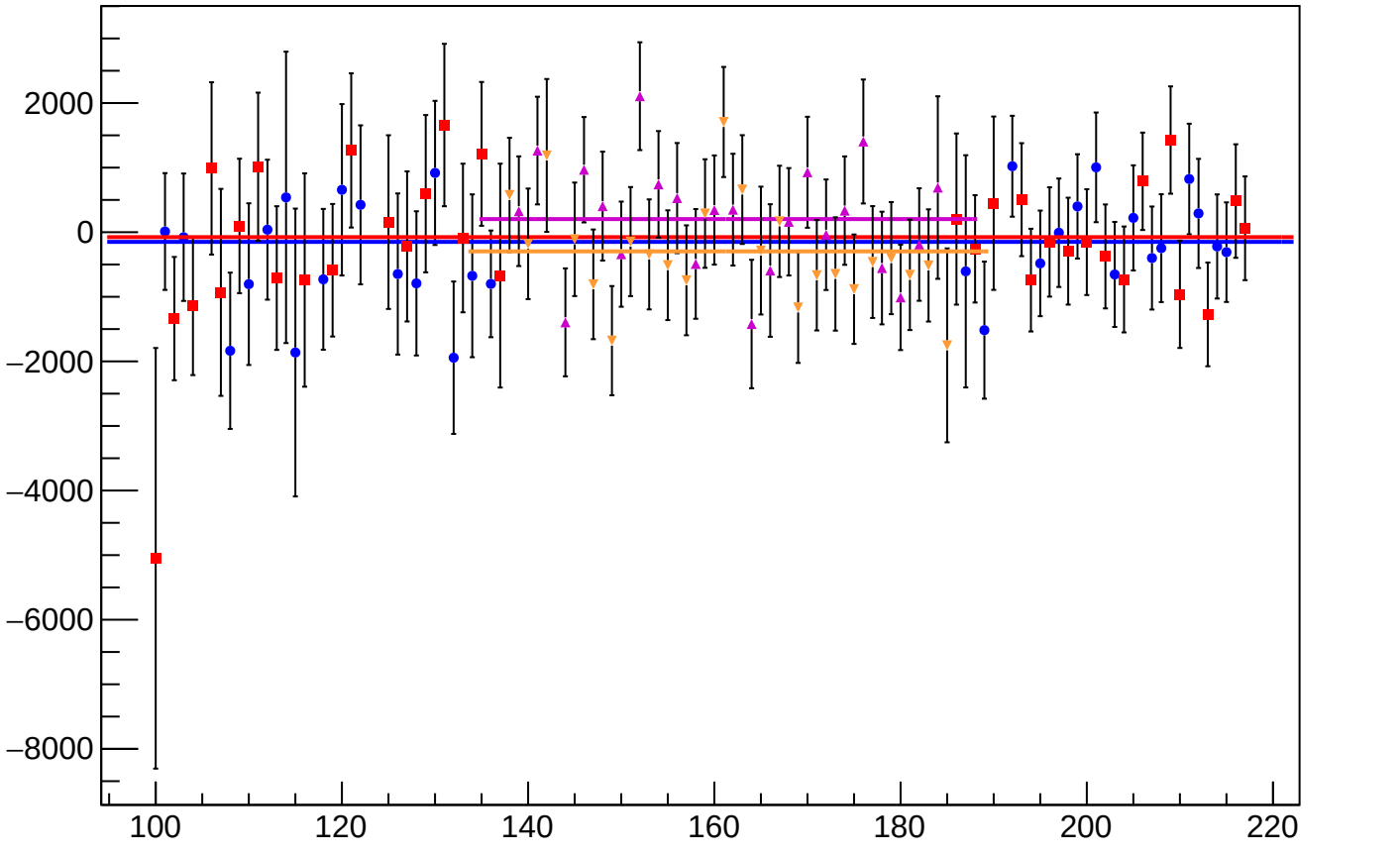
Right Out: 901.051+/-0.155 χ^2/NDF: 6597275.0/33

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

+ sign 595.098+/-0.074 χ^2/NDF: 10603403.9/54

All: 596.813+/-0.052 χ^2/NDF: 22560565.7/11

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



Right In: -149.954+/-175.045 χ^2/NDF: 17.1/30

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

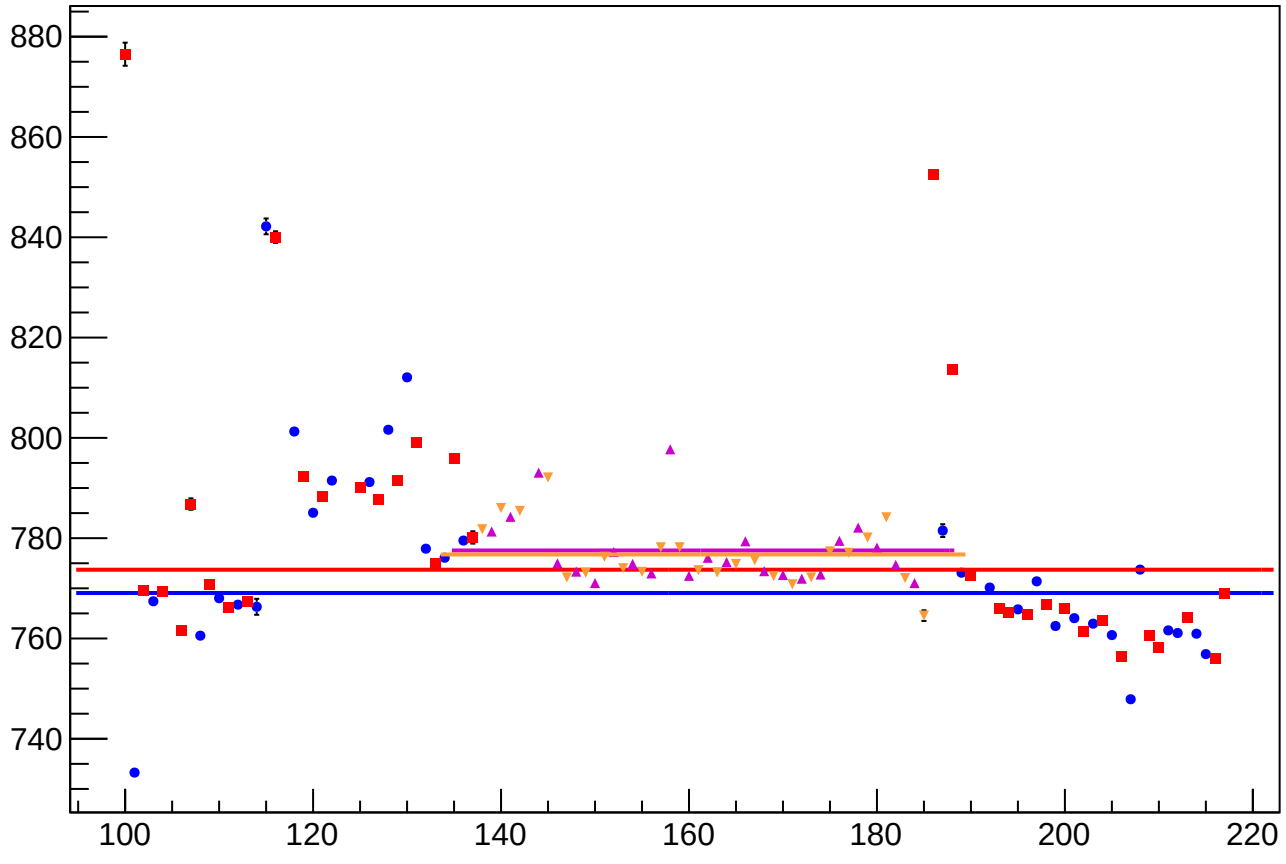
Right Out: -76.606+/-171.710 χ^2/NDF: 23.3/33

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

+ sign -221.200+/-125.586 χ^2/NDF: 34.2/54

All: -81.889+/-88.506 χ^2/NDF: 83.3/111

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



Right In: 769.067+/-0.124 χ^2/NDF: 17111.6/30

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

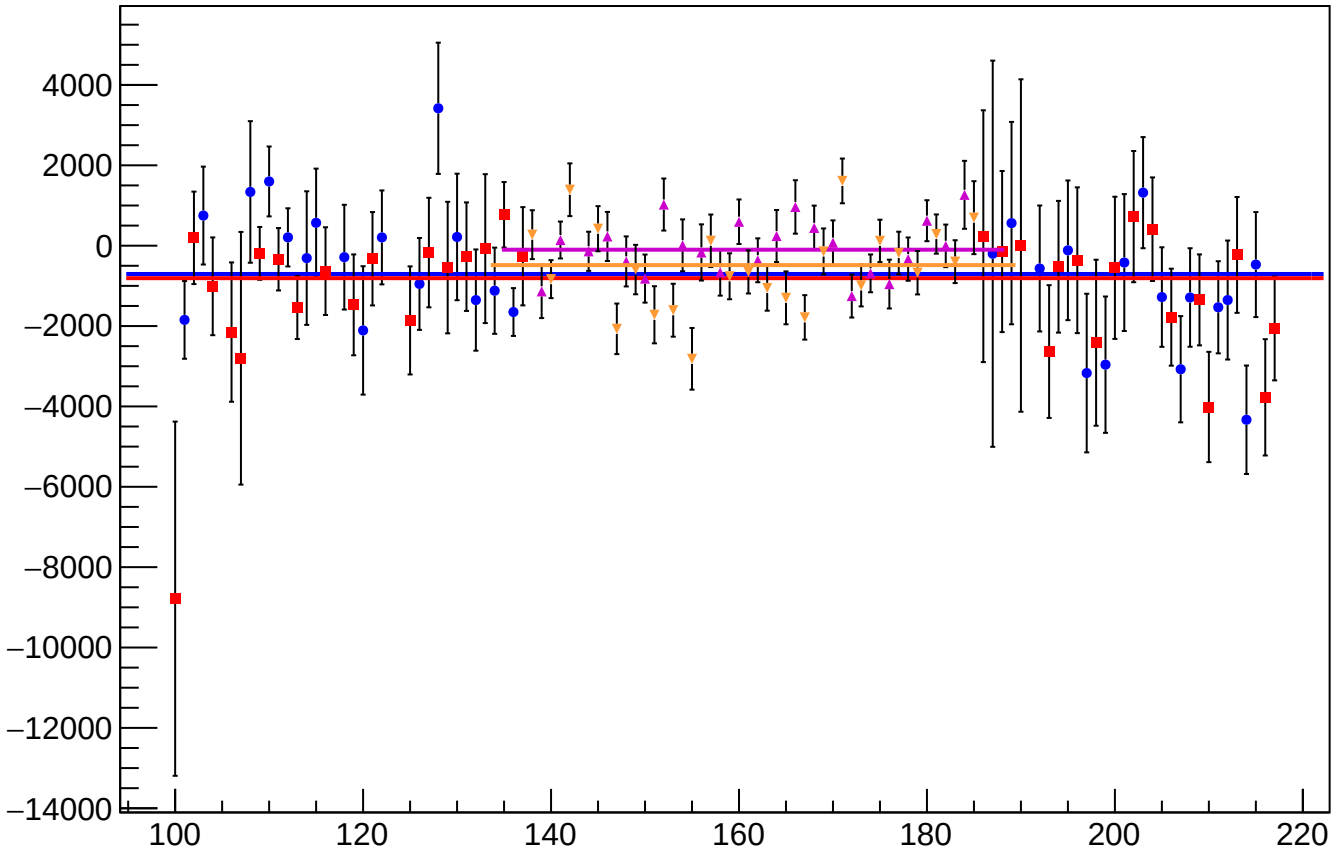
Right Out: 773.713+/-0.121 χ^2/NDF: 26167.1/33

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

+ sign 772.796+/-0.089 χ^2/NDF: 20808.0/54

All: 774.169+/-0.063 χ^2/NDF: 50672.6/111

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



Right In: -704.087+/-221.189 χ^2/NDF: 42.4/30

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

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

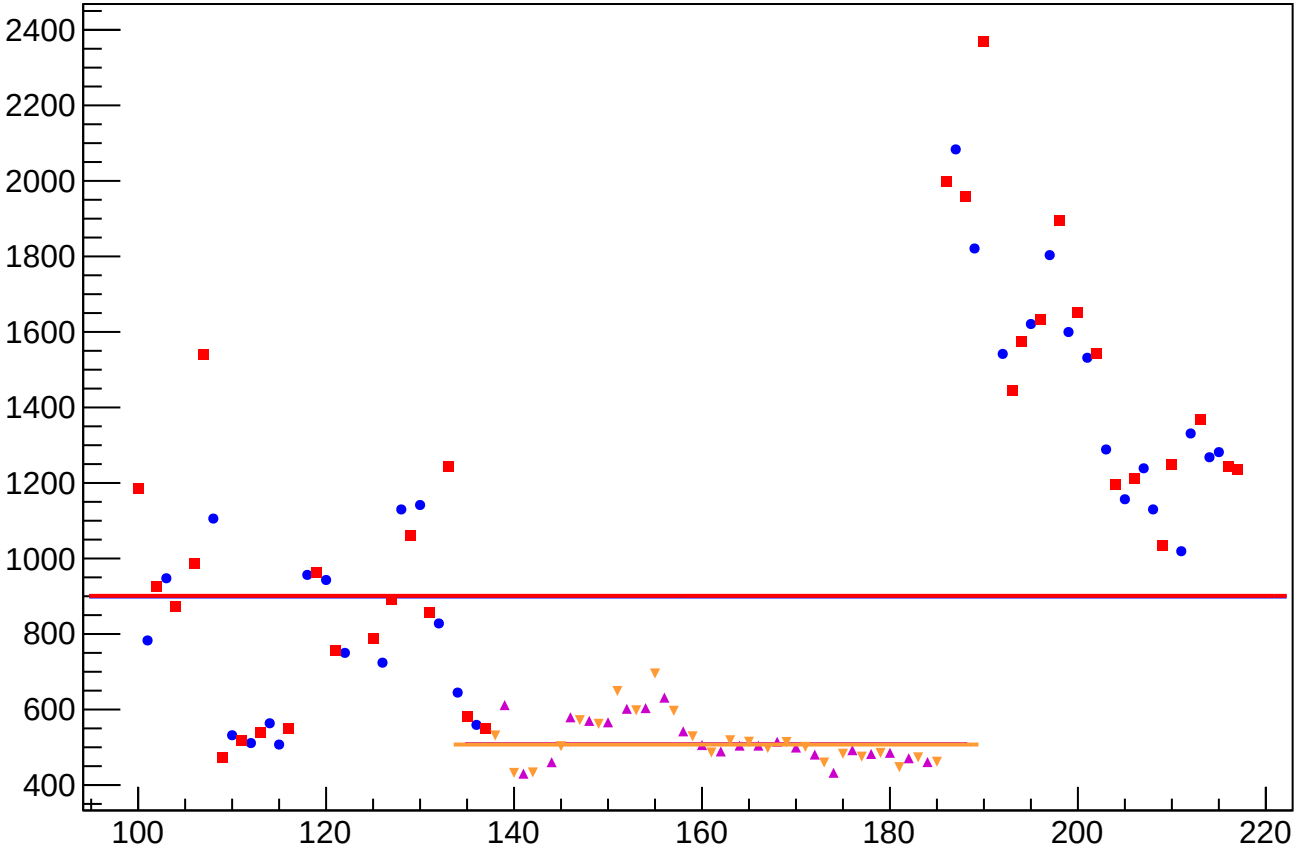
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -532.414+/-104.663 χ^2/NDF: 108.3/54

All: -397.878+/-74.154 χ^2/NDF: 175.4/111

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 899.356+/-0.156 χ^2/NDF: 5253336.9/30

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

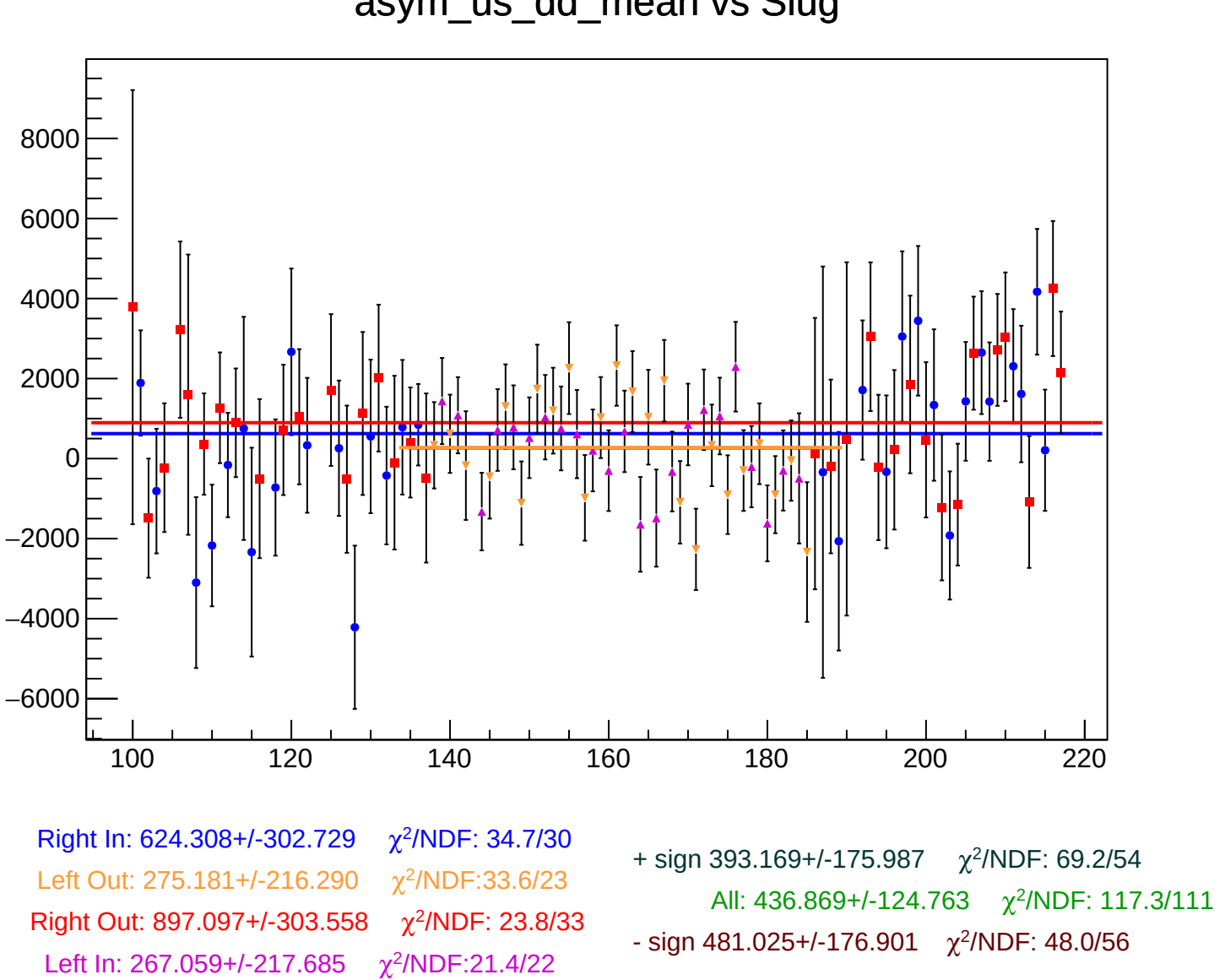
Right Out: 901.047+/-0.155 χ^2/NDF: 6597349.0/33

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

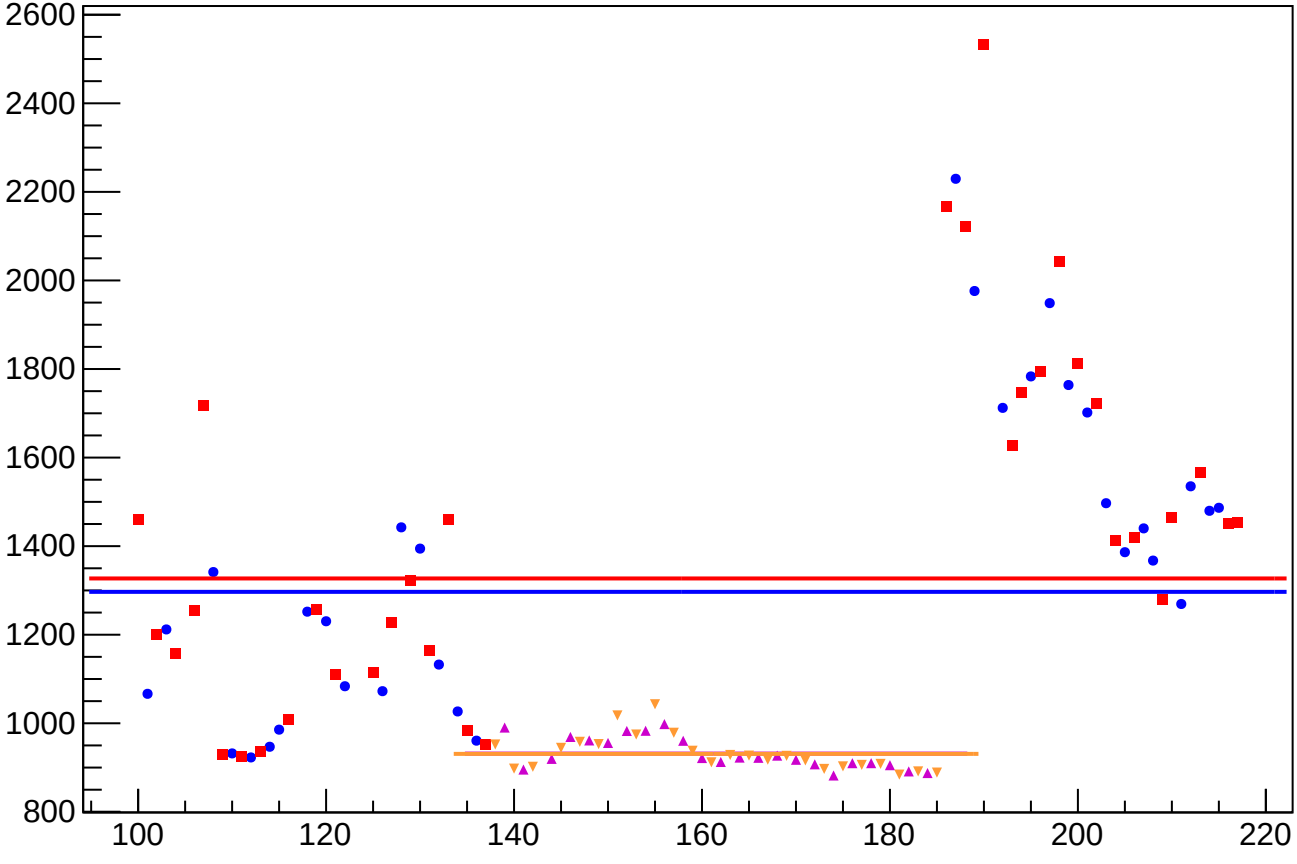
+ sign 595.097+/-0.074 χ^2/NDF: 10603418.4/54

All: 596.812+/-0.052 χ^2/NDF: 22560604.7/11

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


asym_us_dd_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: 624.308+/-302.729 χ²/NDF: 34.7/30
Left Out: 275.181+/-216.290 χ²/NDF:33.6/23
Right Out: 897.097+/-303.558 χ²/NDF: 23.8/33
Left In: 267.059+/-217.685 χ²/NDF:21.4/22
+ sign 393.169+/-175.987 χ²/NDF: 69.2/54
All: 436.869+/-124.763 χ²/NDF: 117.3/111
- sign 481.025+/-176.901 χ²/NDF: 48.0/56

asym_us_dd_rms vs Slug



Right In: 1296.808+/-0.214 χ^2/NDF: 1777220.2/30

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

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

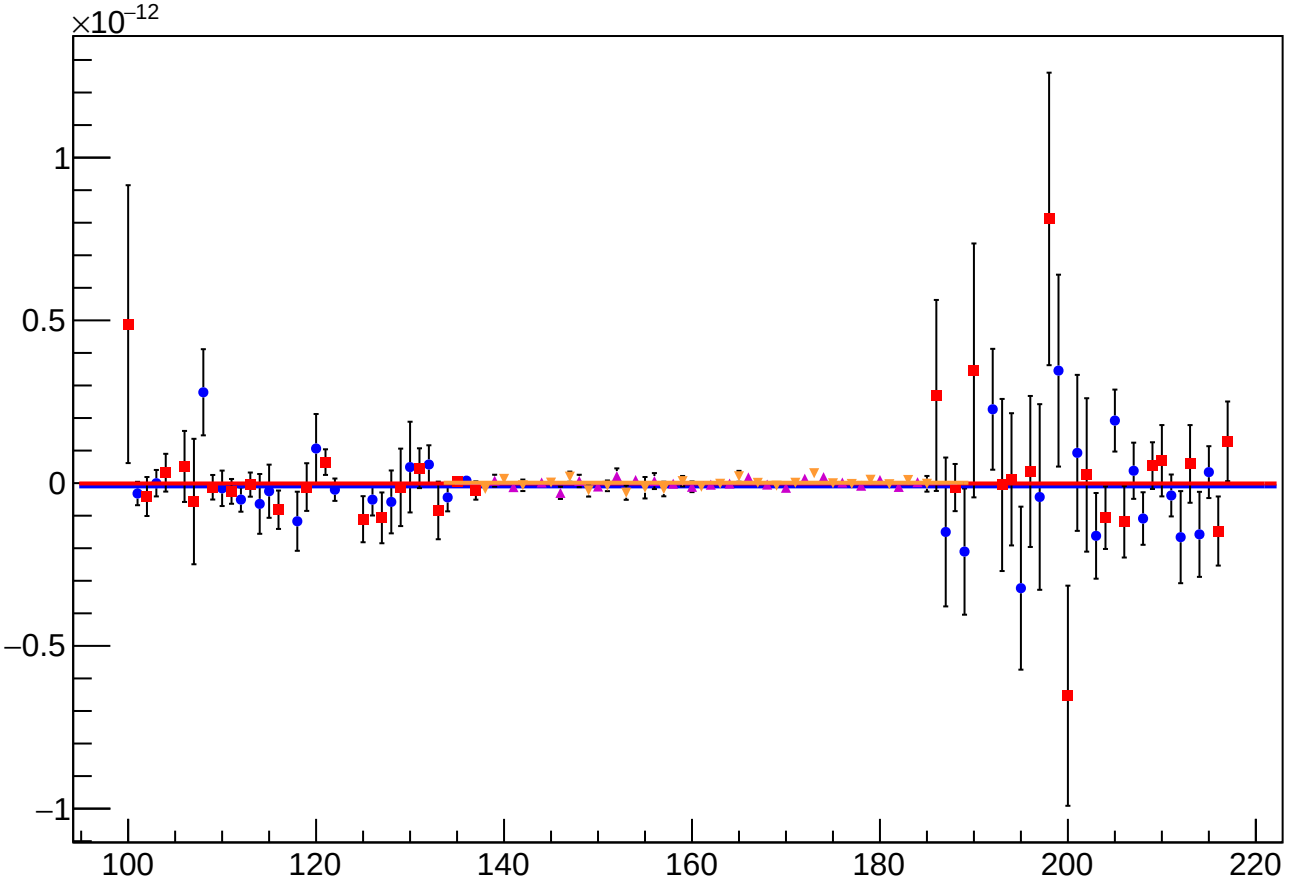
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1054.573+/-0.124 χ^2/NDF: 3773382.6/54

All: 1060.194+/-0.088 χ^2/NDF: 8330802.3/11

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

asym_us_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/30

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

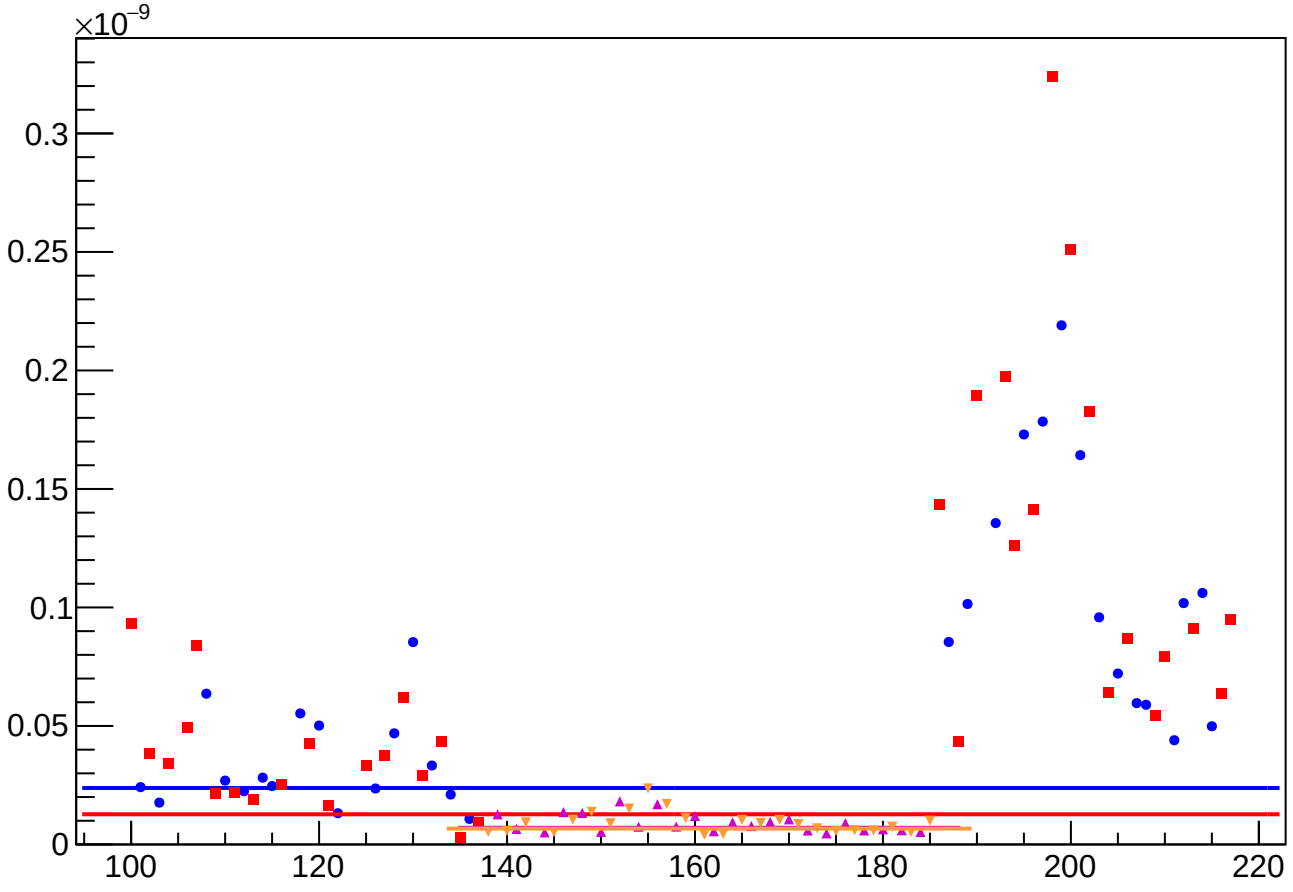
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 57.7/54

All: 0.000+/-0.000 χ^2/NDF: 109.5/111

- sign 0.000+/-0.000 χ^2/NDF: 51.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 10526020.0/30

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

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

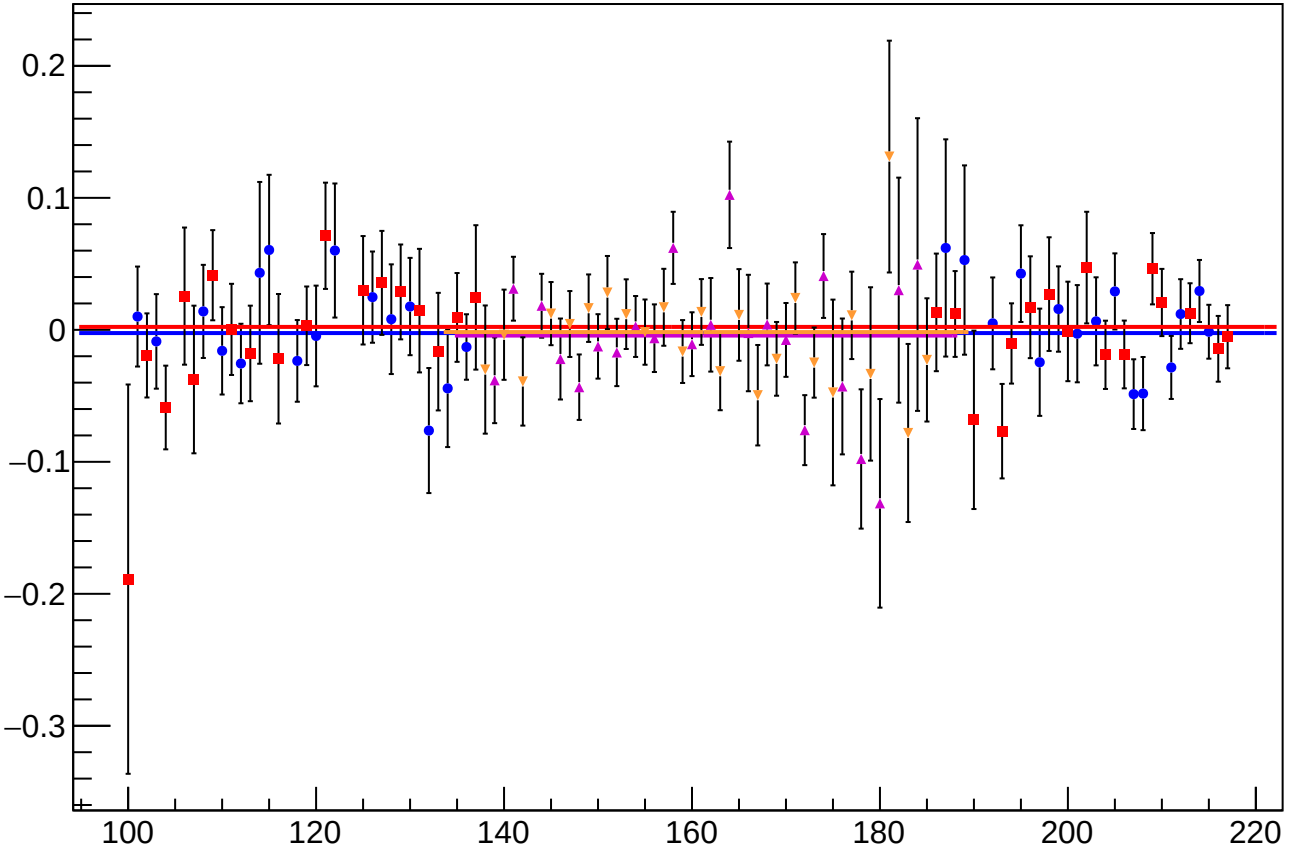
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19372224.2/54

All: 0.000+/-0.000 χ^2/NDF: 40058039.9/111

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

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

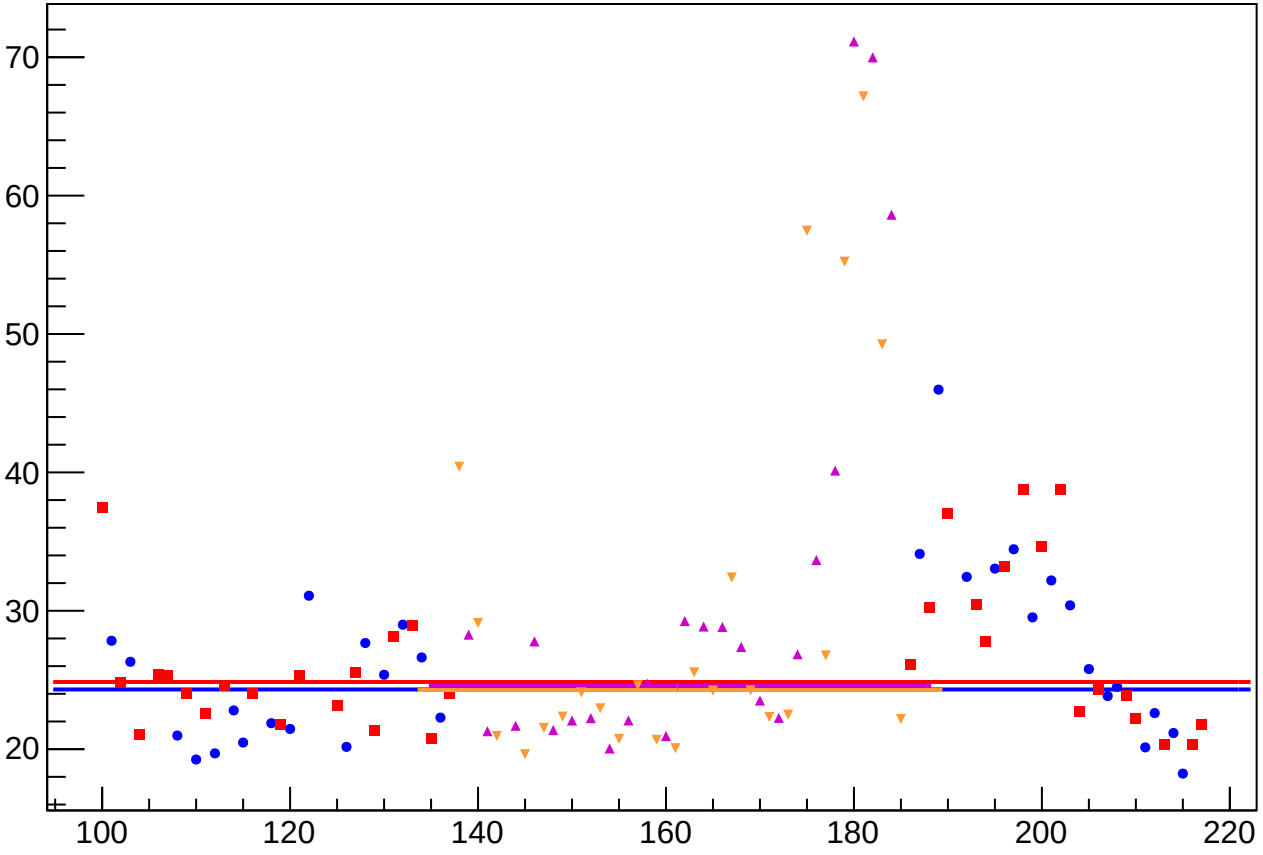
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/54

All: -0.001+/-0.003 χ^2/NDF: 101.5/111

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.314+/-0.004 χ^2/NDF: 1343267.4/30

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

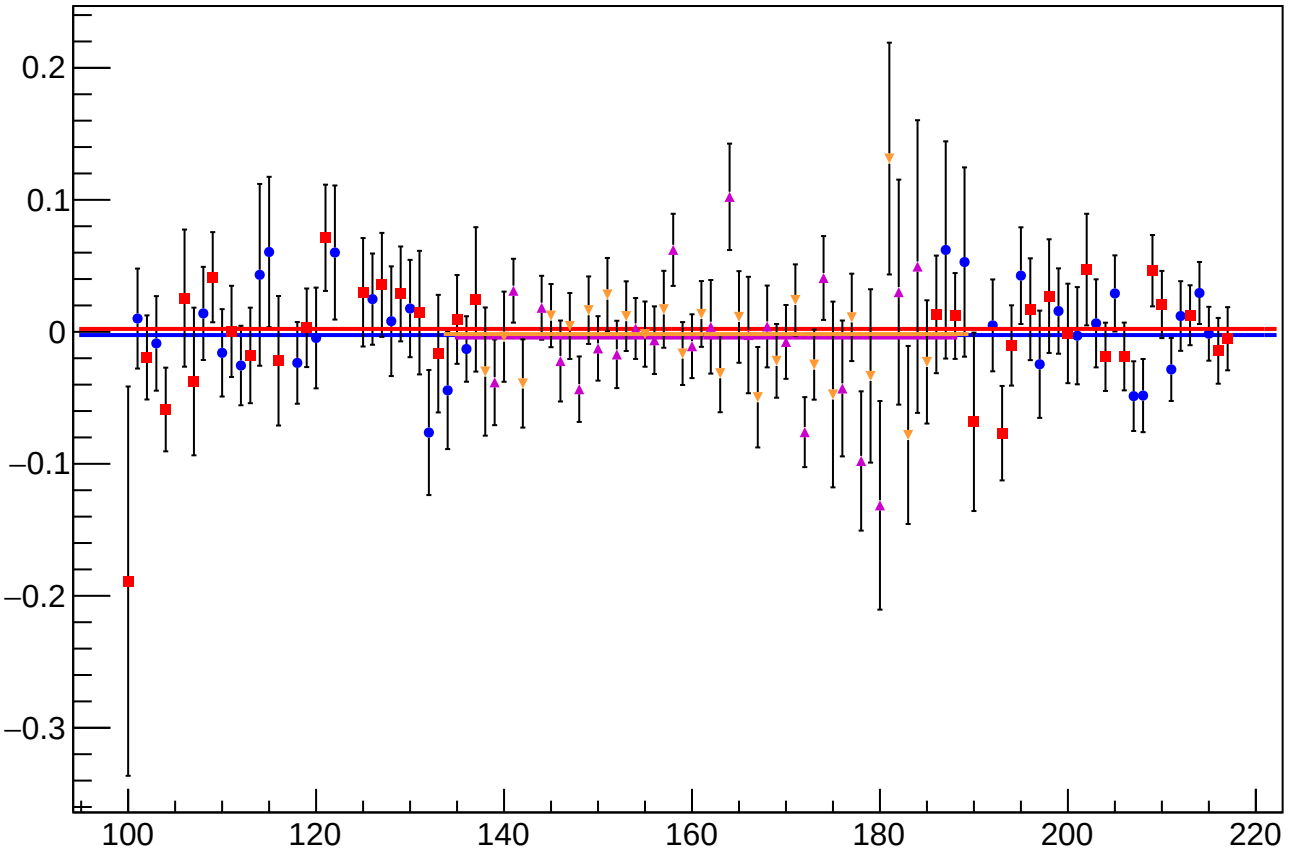
Right Out: 24.856+/-0.004 χ^2/NDF: 1213418.1/33

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

+ sign 24.295+/-0.003 χ^2/NDF: 3653987.6/54

All: 24.509+/-0.002 χ^2/NDF: 7012236.9/111

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



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

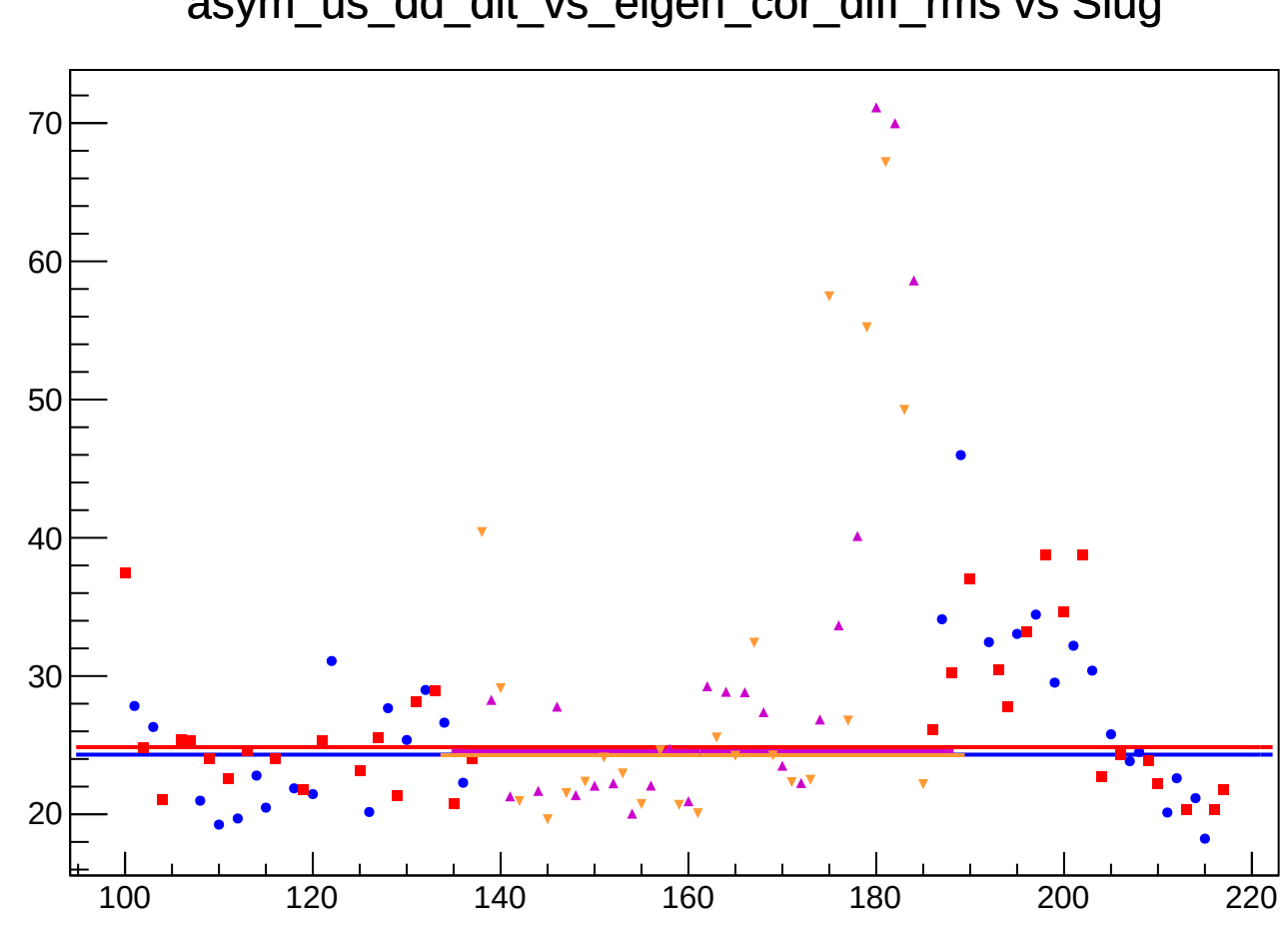
Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

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

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/54

All: -0.001+/-0.003 χ^2/NDF: 101.5/111

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



Right In: 24.314+/-0.004 χ^2/NDF: 1343267.4/30

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

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

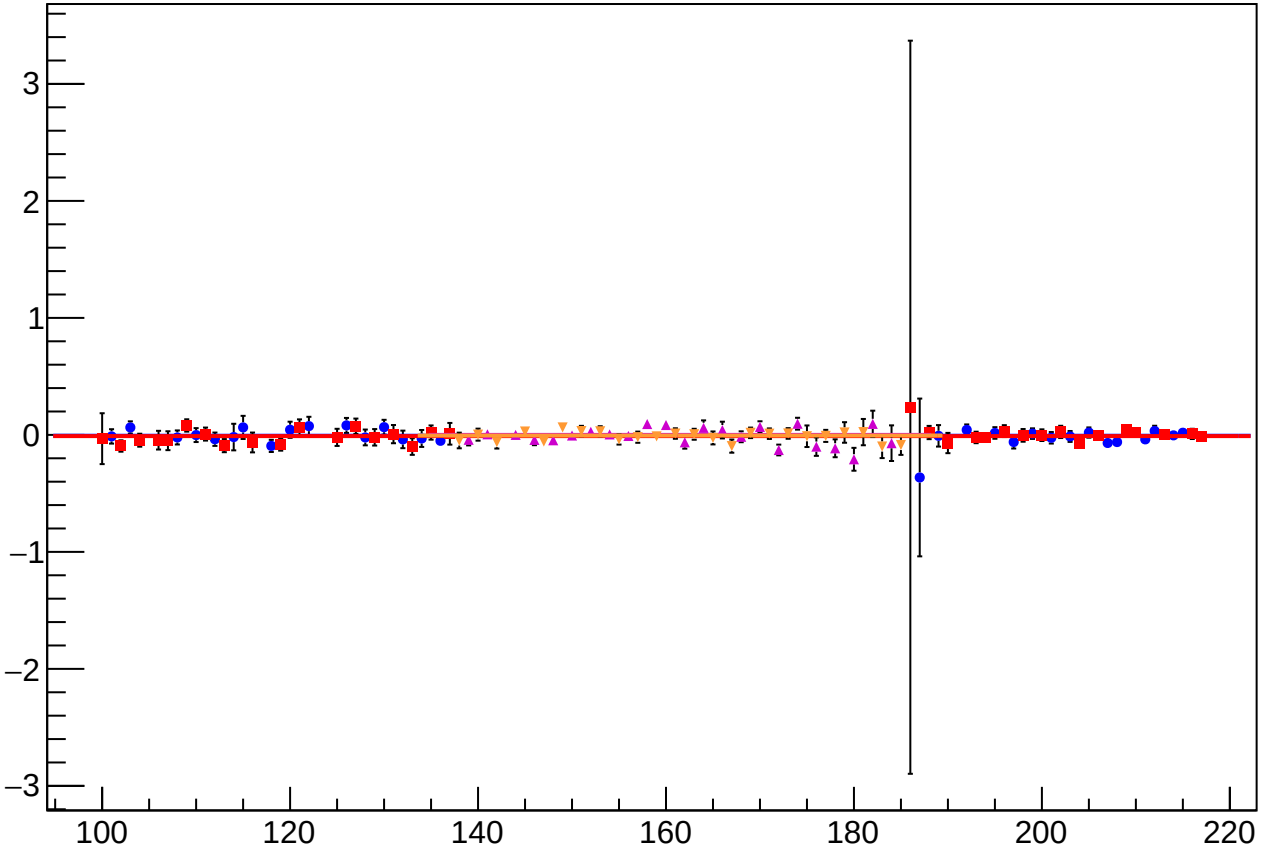
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.295+/-0.003 χ^2/NDF: 3653987.6/54

All: 24.509+/-0.002 χ^2/NDF: 7012236.9/111

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.010 χ^2/NDF: 20.6/30

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

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

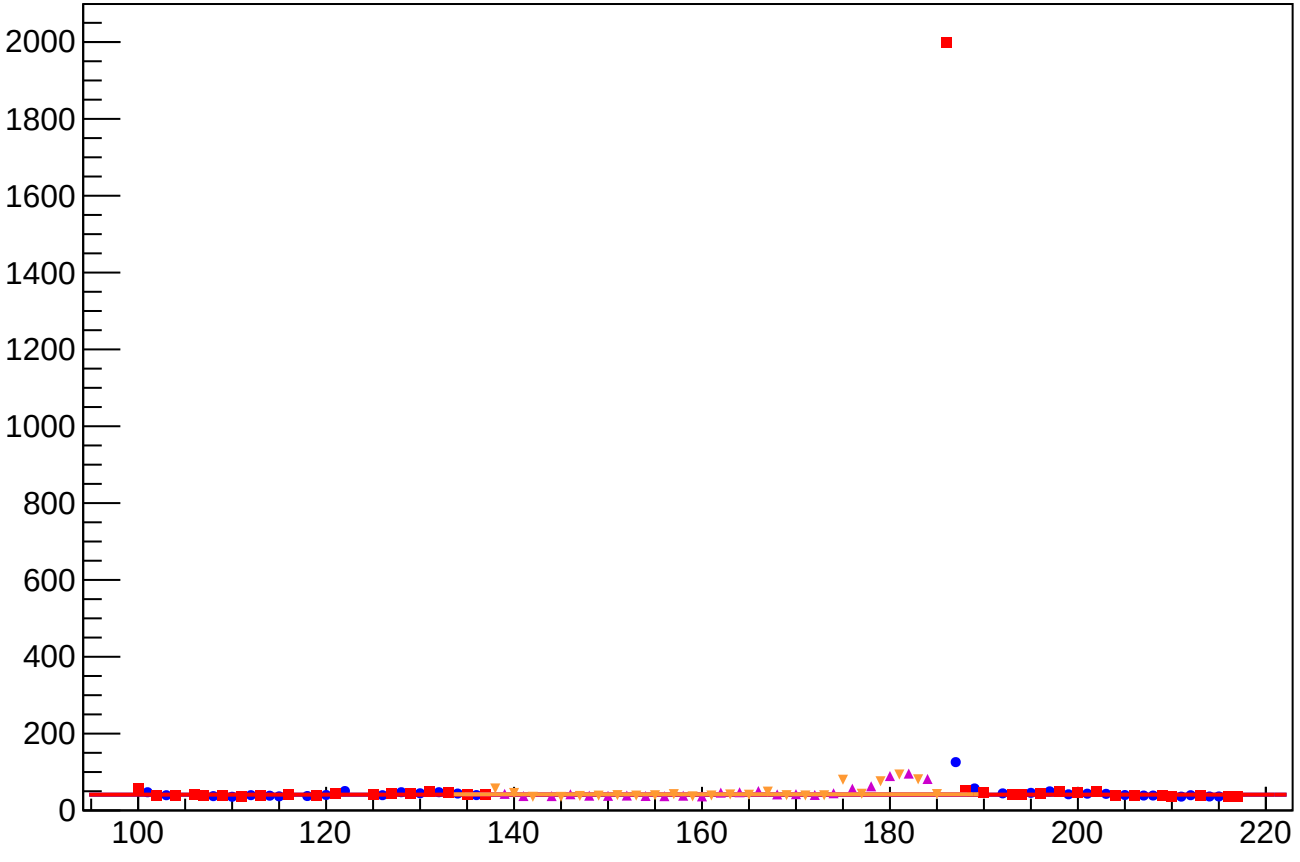
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.006+/-0.007 χ^2/NDF: 34.5/54

All: -0.006+/-0.005 χ^2/NDF: 96.2/111

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.947+/-0.007 χ^2/NDF: 420341.7/30

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

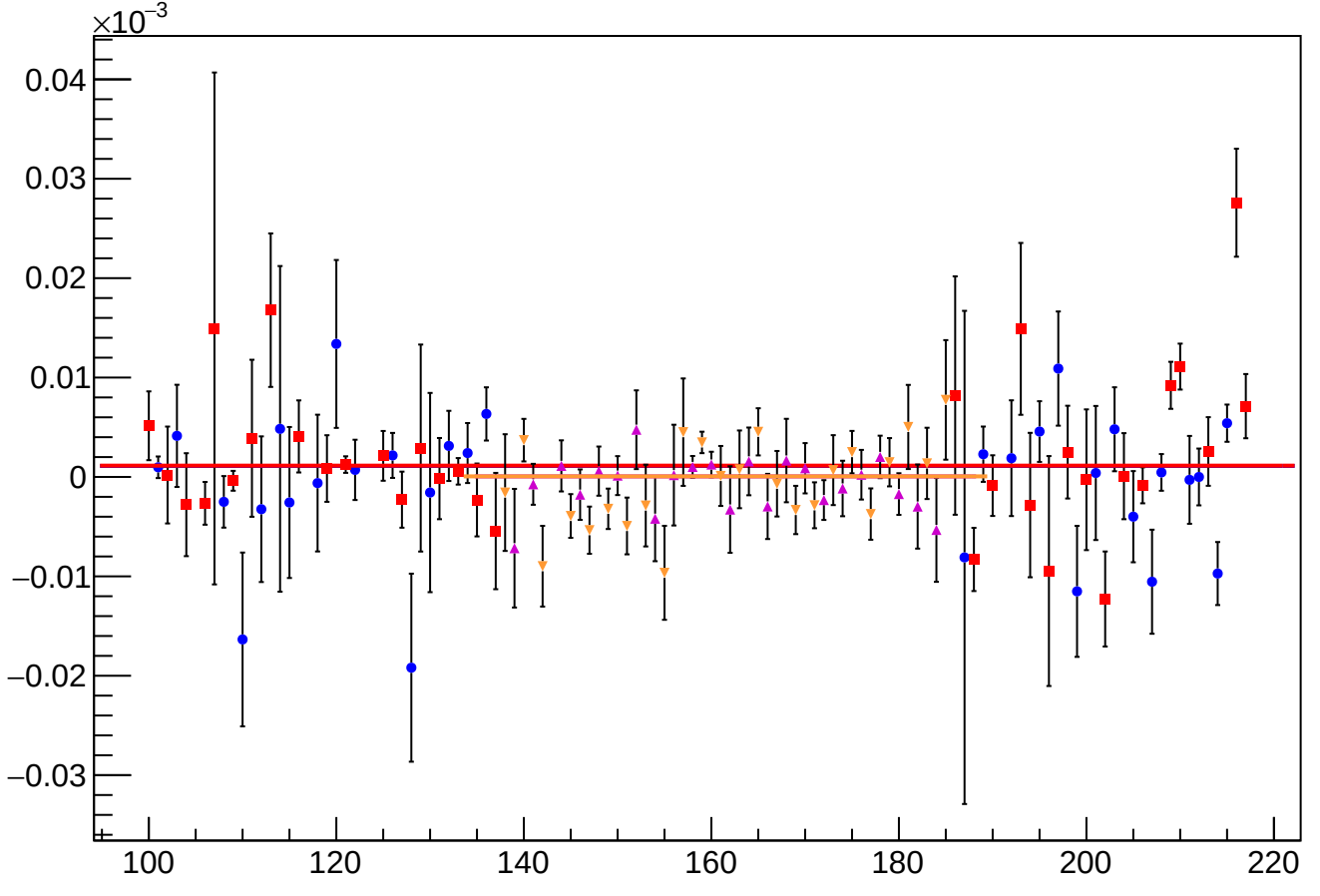
Right Out: 41.175+/-0.007 χ^2/NDF: 1161684.1/33

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

+ sign 41.474+/-0.005 χ^2/NDF: 2149365.9/54

All: 41.530+/-0.004 χ^2/NDF: 4863028.3/111

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



Right In: 0.000+/-0.000 χ^2/NDF: 50.8/30

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

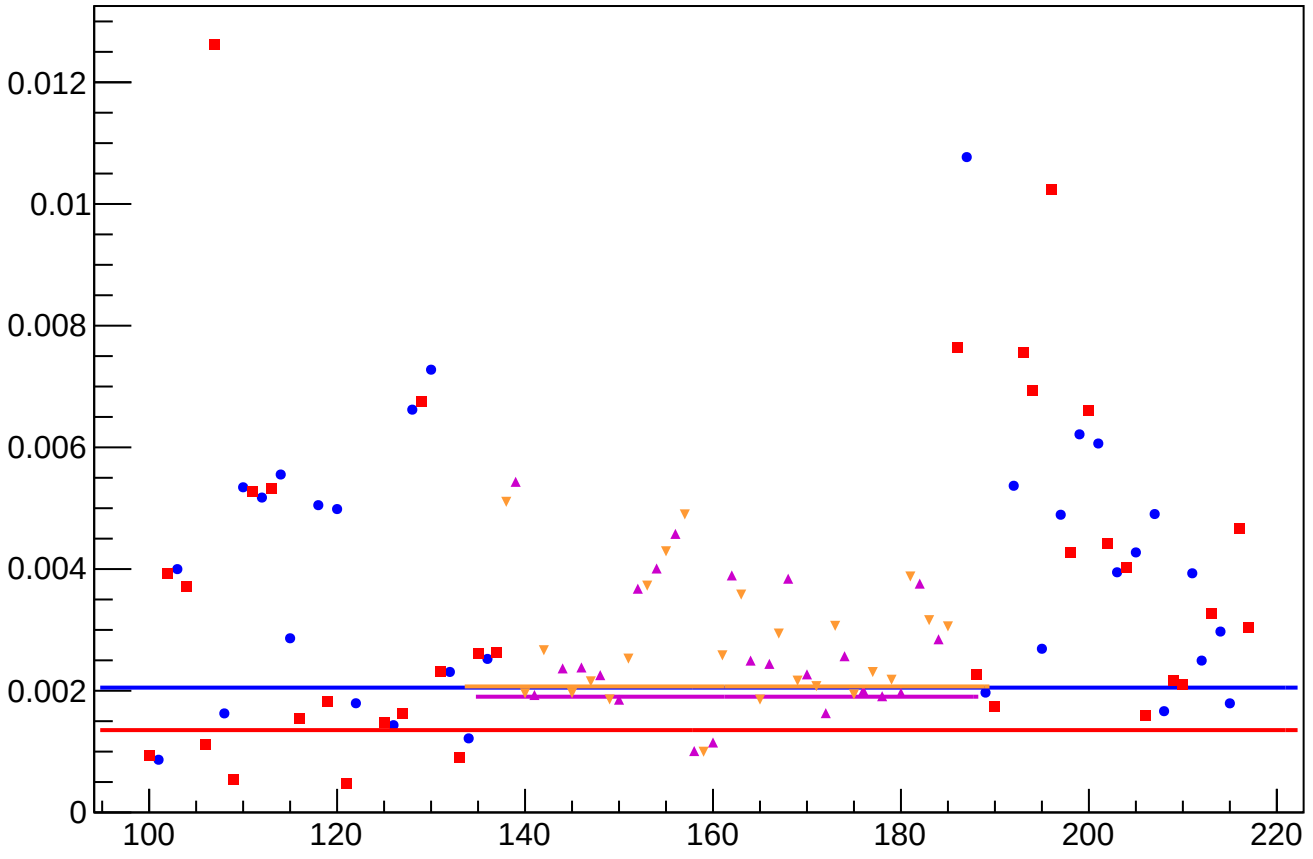
Right Out: 0.000+/-0.000 χ^2/NDF: 96.8/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 104.3/54

All: 0.000+/-0.000 χ^2/NDF: 216.8/111

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



Right In: 0.002+/-0.000 χ^2/NDF: 10654750.4/30

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

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

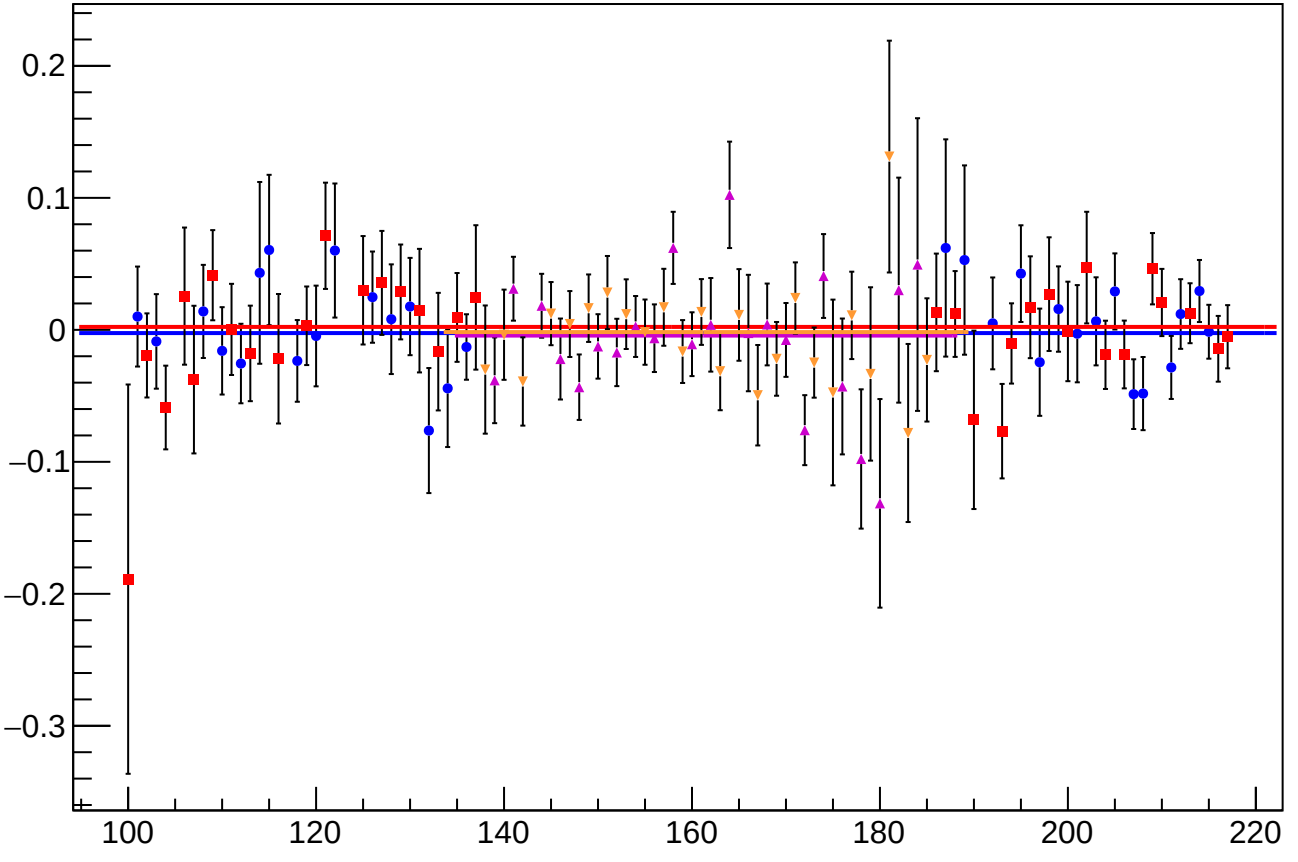
Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 15919153.7/54

All: 0.002+/-0.000 χ^2/NDF: 42263944.4/111

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

asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

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

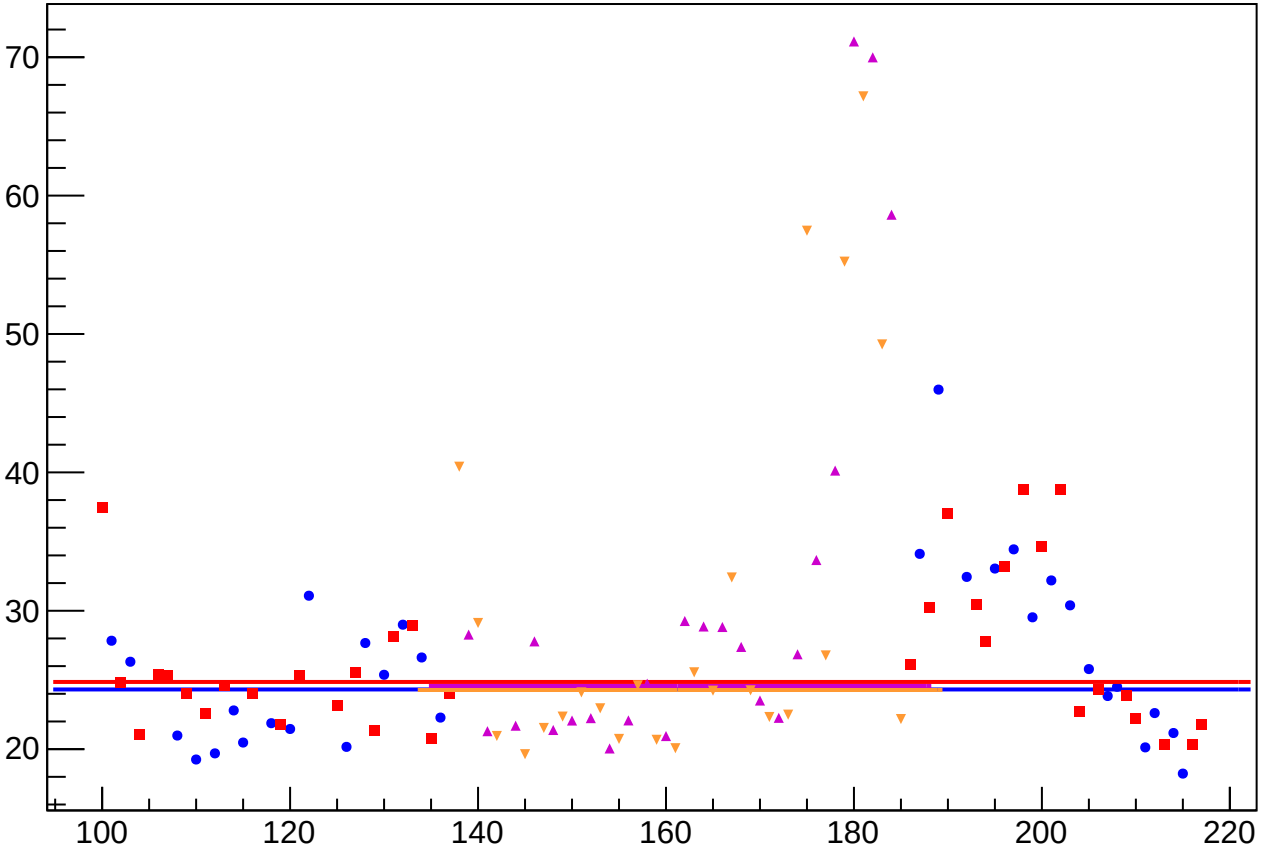
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/54

All: -0.001+/-0.003 χ^2/NDF: 101.5/111

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

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.314+/-0.004 χ^2/NDF: 1343250.7/30

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

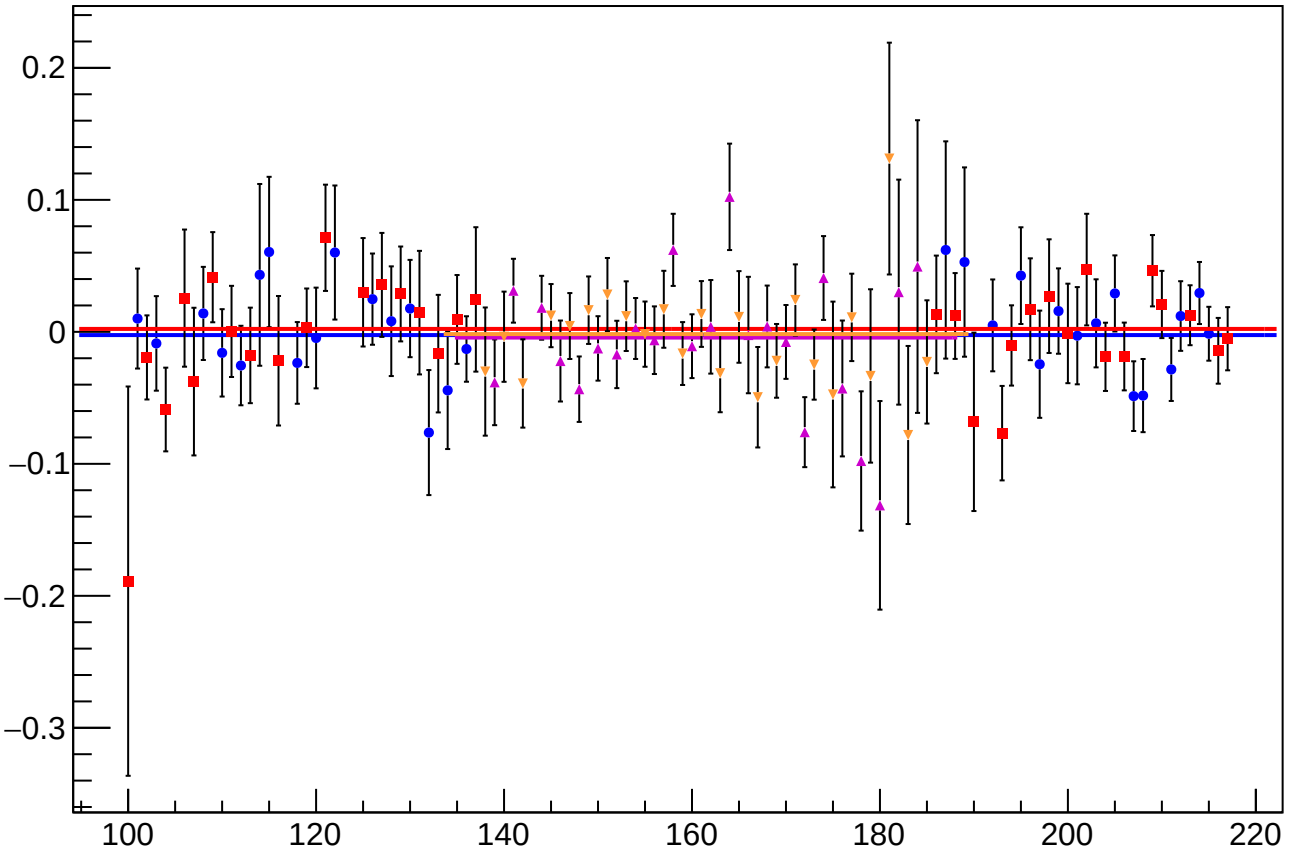
Right Out: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

+ sign 24.295+/-0.003 χ^2/NDF: 3653975.7/54

All: 24.509+/-0.002 χ^2/NDF: 7012070.5/111

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



Right In: -0.002+/-0.006 χ^2/NDF: 23.0/30

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

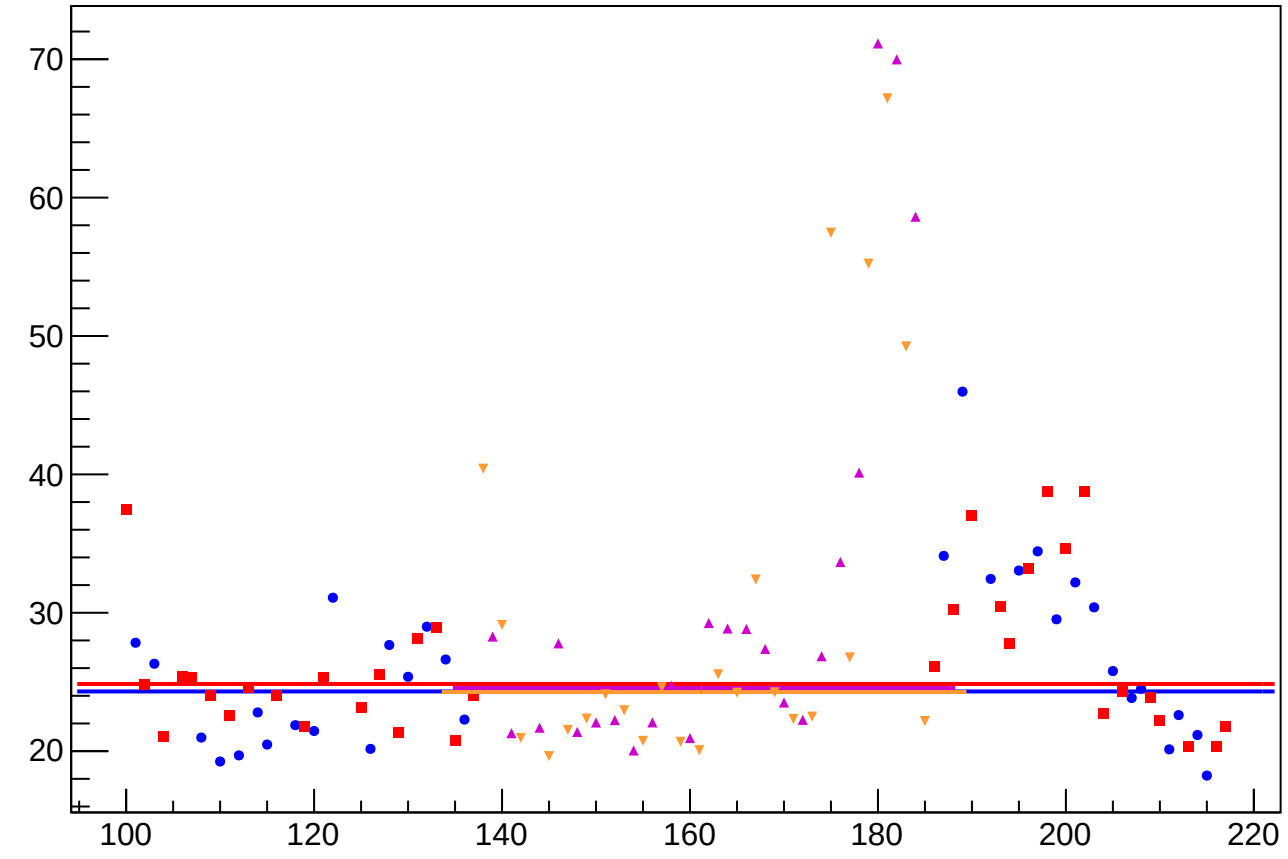
Right Out: 0.002+/-0.006 χ^2/NDF: 26.7/33

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

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/54

All: -0.001+/-0.003 χ^2/NDF: 101.5/111

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



Right In: 24.314+/-0.004 χ^2/NDF: 1343250.7/30

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

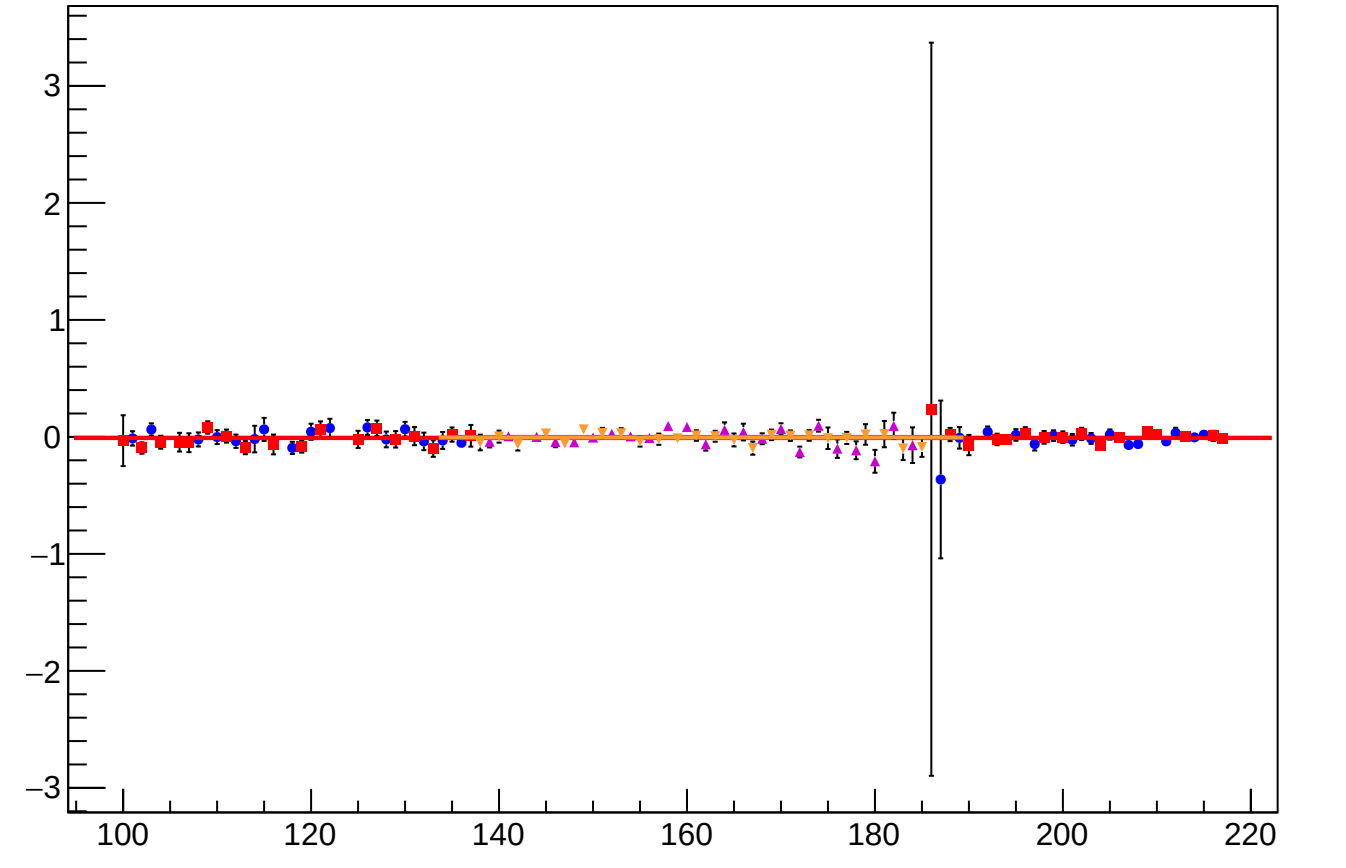
Right Out: 24.856+/-0.004 χ^2/NDF: 1213386.1/33

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

+ sign 24.295+/-0.003 χ^2/NDF: 3653975.7/54

All: 24.509+/-0.002 χ^2/NDF: 7012070.5/111

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



Right In: -0.007+/-0.010 χ^2/NDF: 20.6/30

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

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

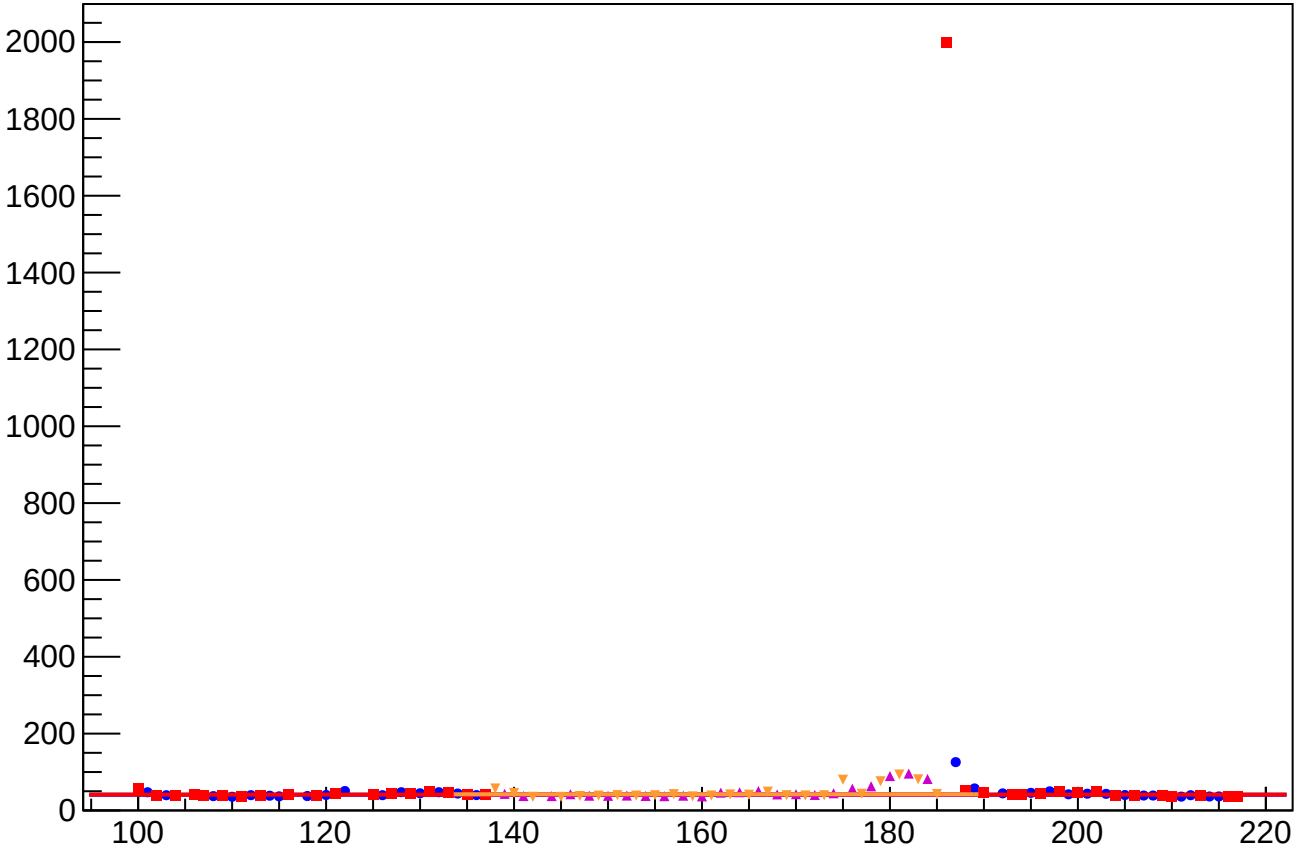
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.006+/-0.007 χ^2/NDF: 34.5/54

All: -0.006+/-0.005 χ^2/NDF: 96.2/111

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

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.947+/-0.007 χ^2/NDF: 420285.9/30

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

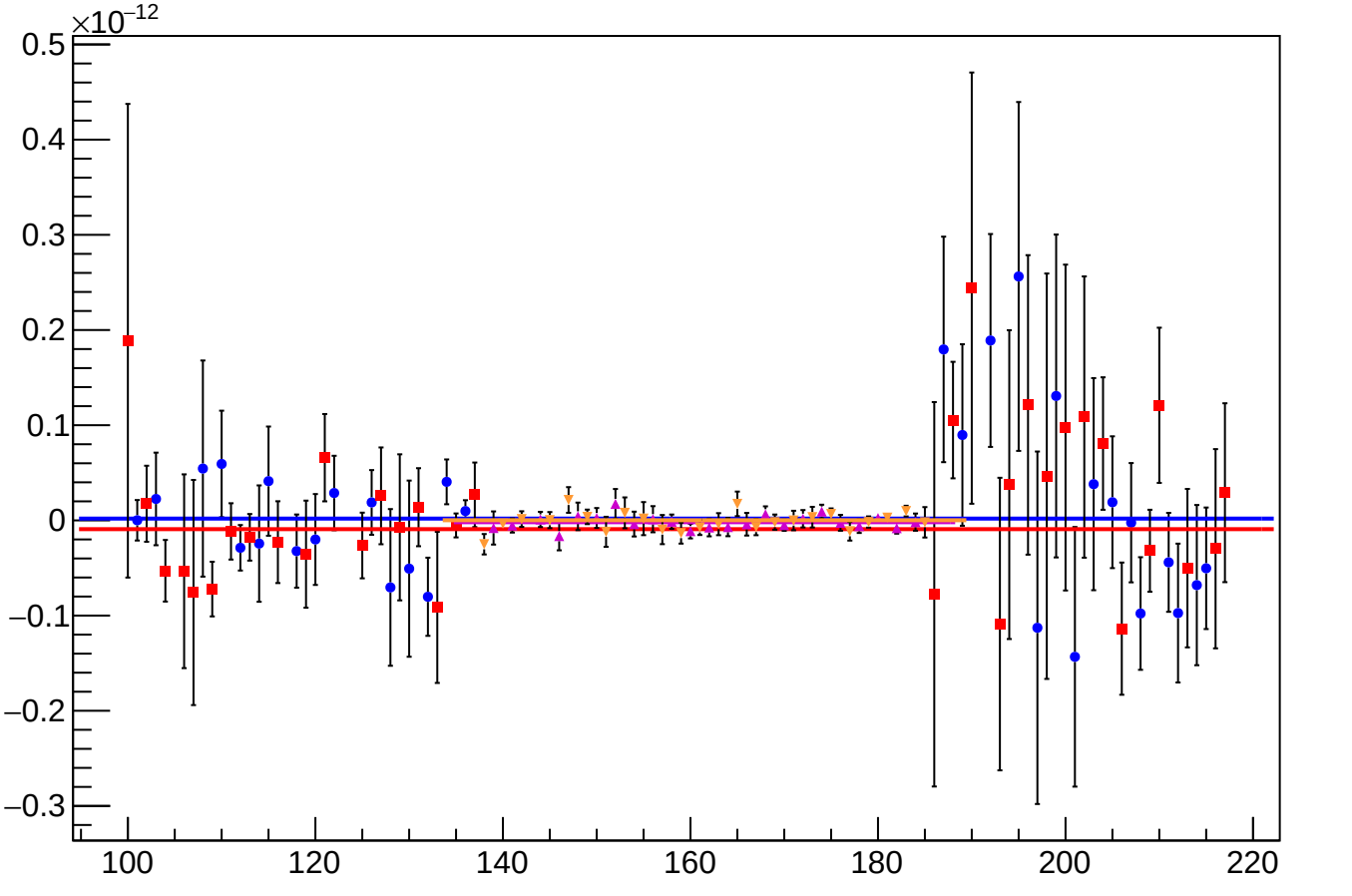
Right Out: 41.175+/-0.007 χ^2/NDF: 1161682.1/33

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

+ sign 41.474+/-0.005 χ^2/NDF: 2149301.9/54

All: 41.530+/-0.004 χ^2/NDF: 4862940.3/111

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



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/30

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

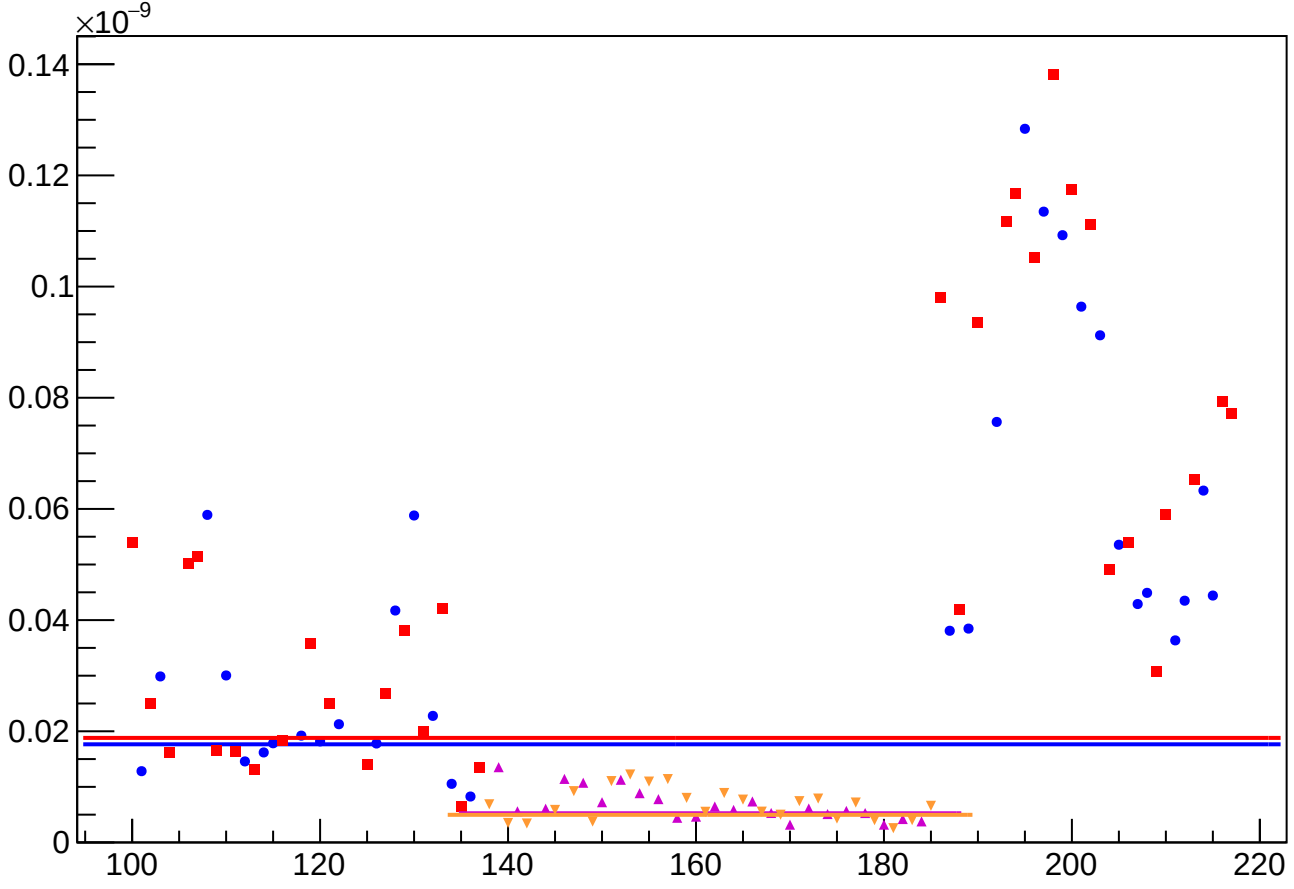
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/54

All: -0.000+/-0.000 χ^2/NDF: 94.9/111

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



Right In: 0.000+/-0.000 χ^2/NDF: 9605878.8/30

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

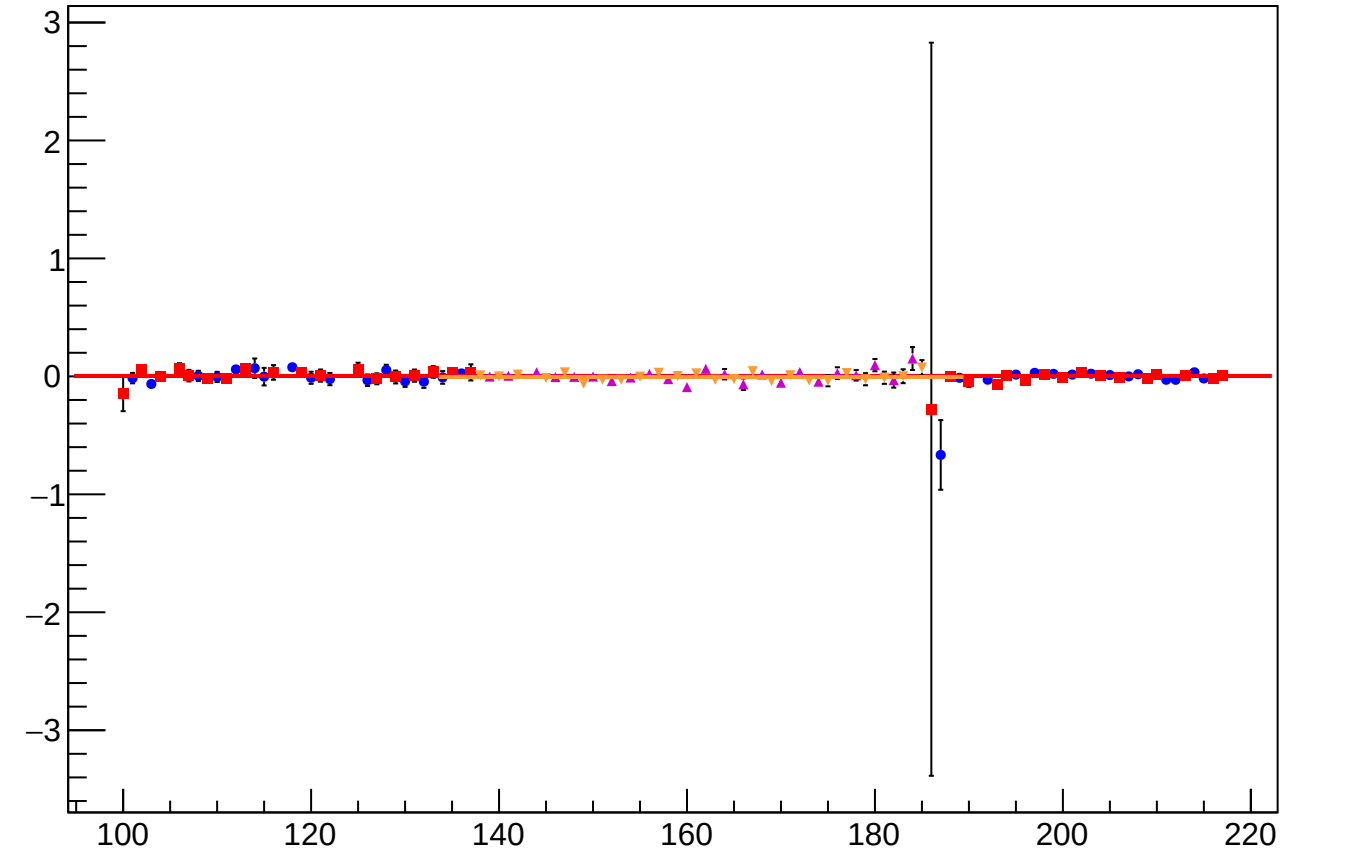
Right Out: 0.000+/-0.000 χ^2/NDF: 11707637.3/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 19399502.4/54

All: 0.000+/-0.000 χ^2/NDF: 40190551.1/111

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



Right In: 0.003+/-0.006 χ^2/NDF: 28.6/30

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

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

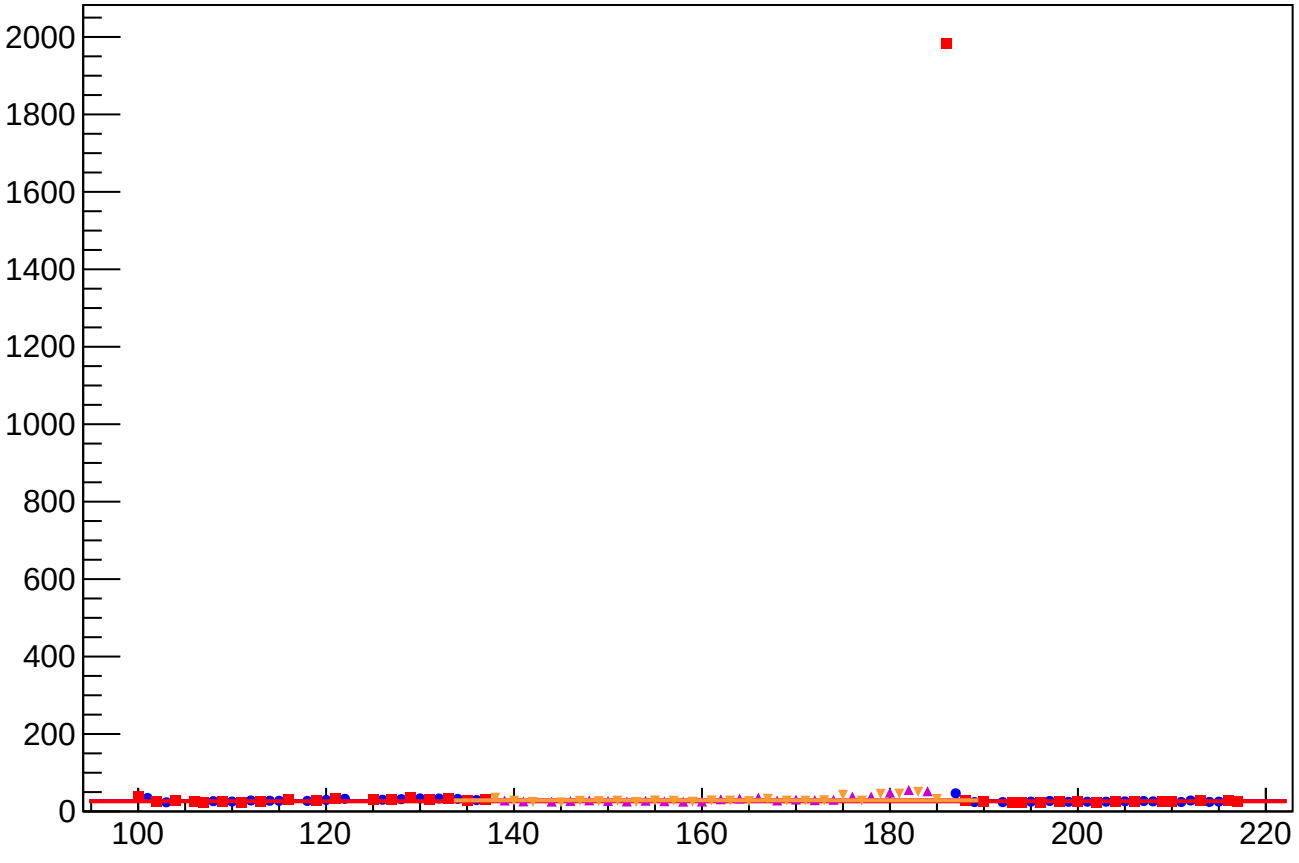
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.001+/-0.005 χ^2/NDF: 46.1/54

All: -0.000+/-0.003 χ^2/NDF: 102.0/111

- sign 0.000+/-0.005 χ^2/NDF: 55.9/56

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.694+/-0.004 χ^2/NDF: 367580.0/30

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

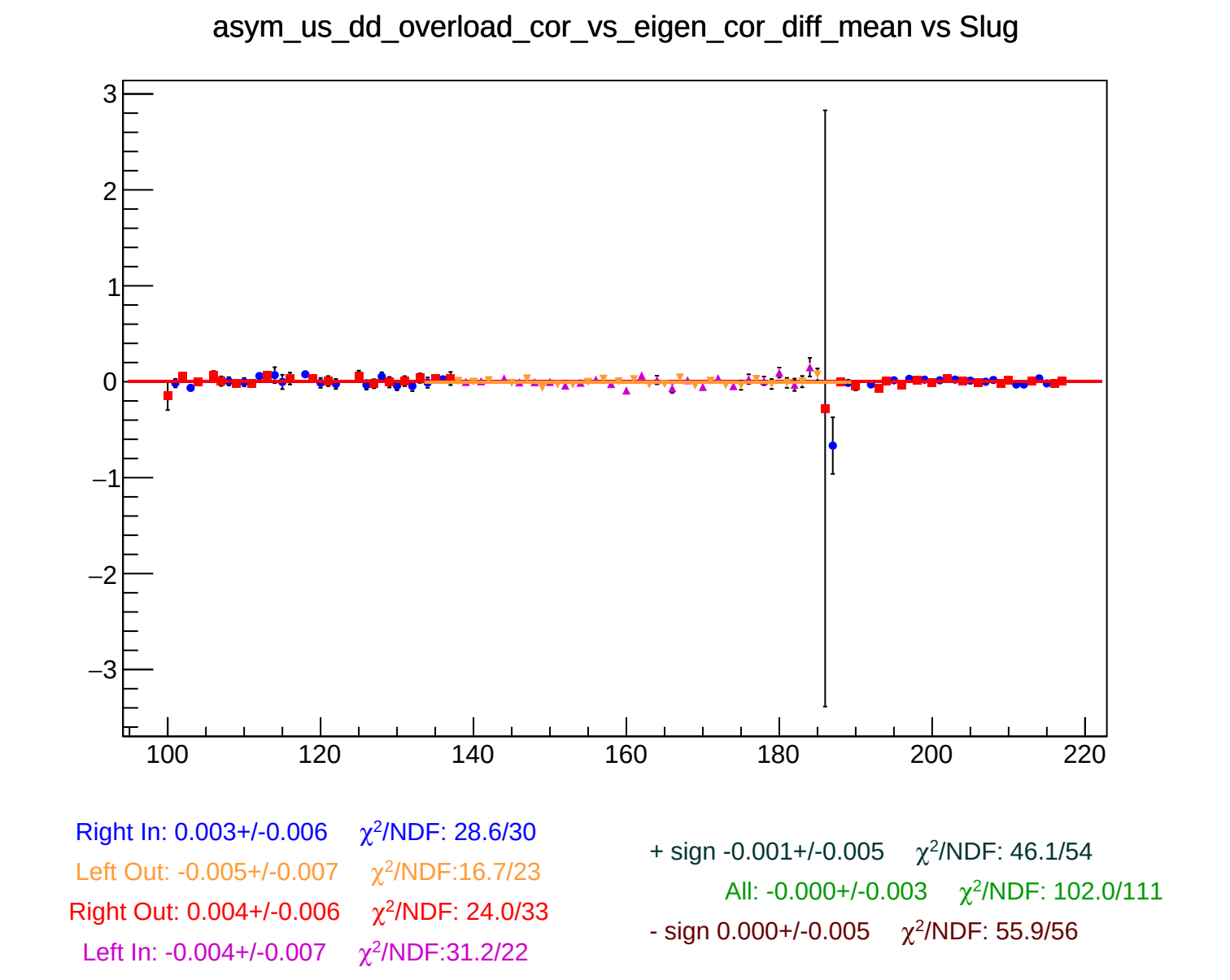
Right Out: 26.454+/-0.004 χ^2/NDF: 1118550.8/33

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

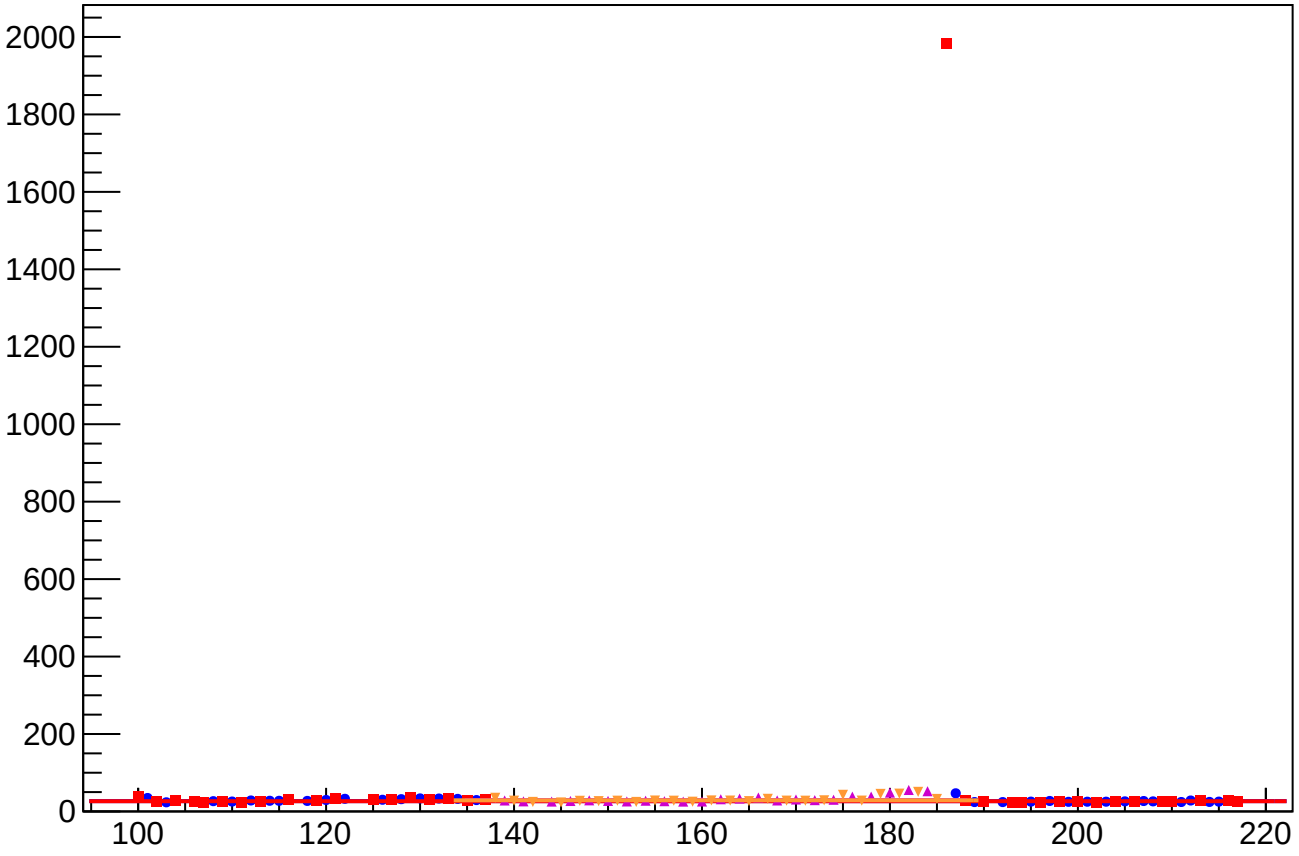
+ sign 27.630+/-0.003 χ^2/NDF: 1634647.8/54

All: 27.640+/-0.002 χ^2/NDF: 4067905.4/111

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


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: 0.003+/-0.006 χ²/NDF: 28.6/30
Left Out: -0.005+/-0.007 χ²/NDF:16.7/23
Right Out: 0.004+/-0.006 χ²/NDF: 24.0/33
Left In: -0.004+/-0.007 χ²/NDF:31.2/22
+ sign -0.001+/-0.005 χ²/NDF: 46.1/54
All: -0.000+/-0.003 χ²/NDF: 102.0/111
- sign 0.000+/-0.005 χ²/NDF: 55.9/56

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.694+/-0.004 χ^2/NDF: 367580.0/30

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

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

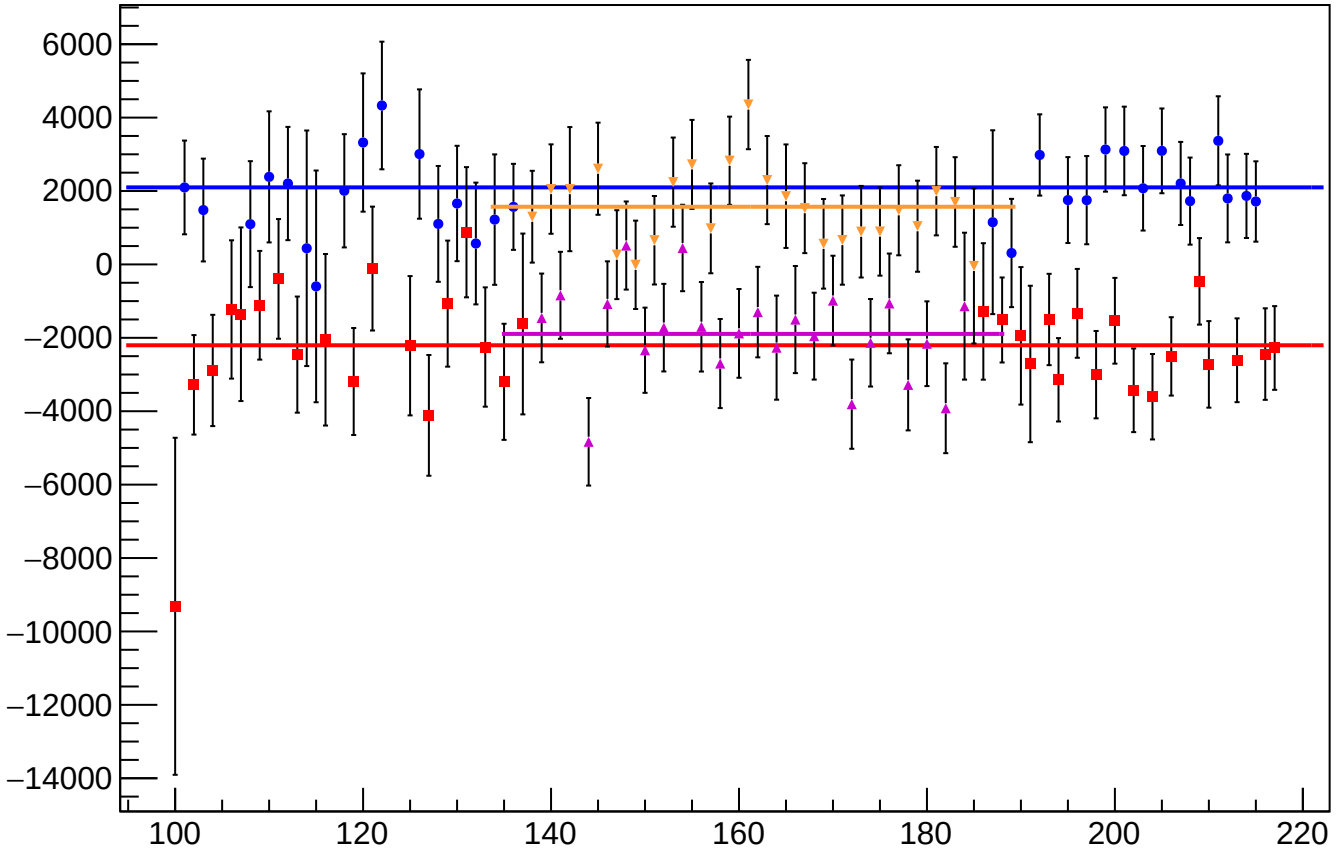
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.630+/-0.003 χ^2/NDF: 1634647.8/54

All: 27.640+/-0.002 χ^2/NDF: 4067905.4/111

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

reg_asym_usl_mean vs Slug



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

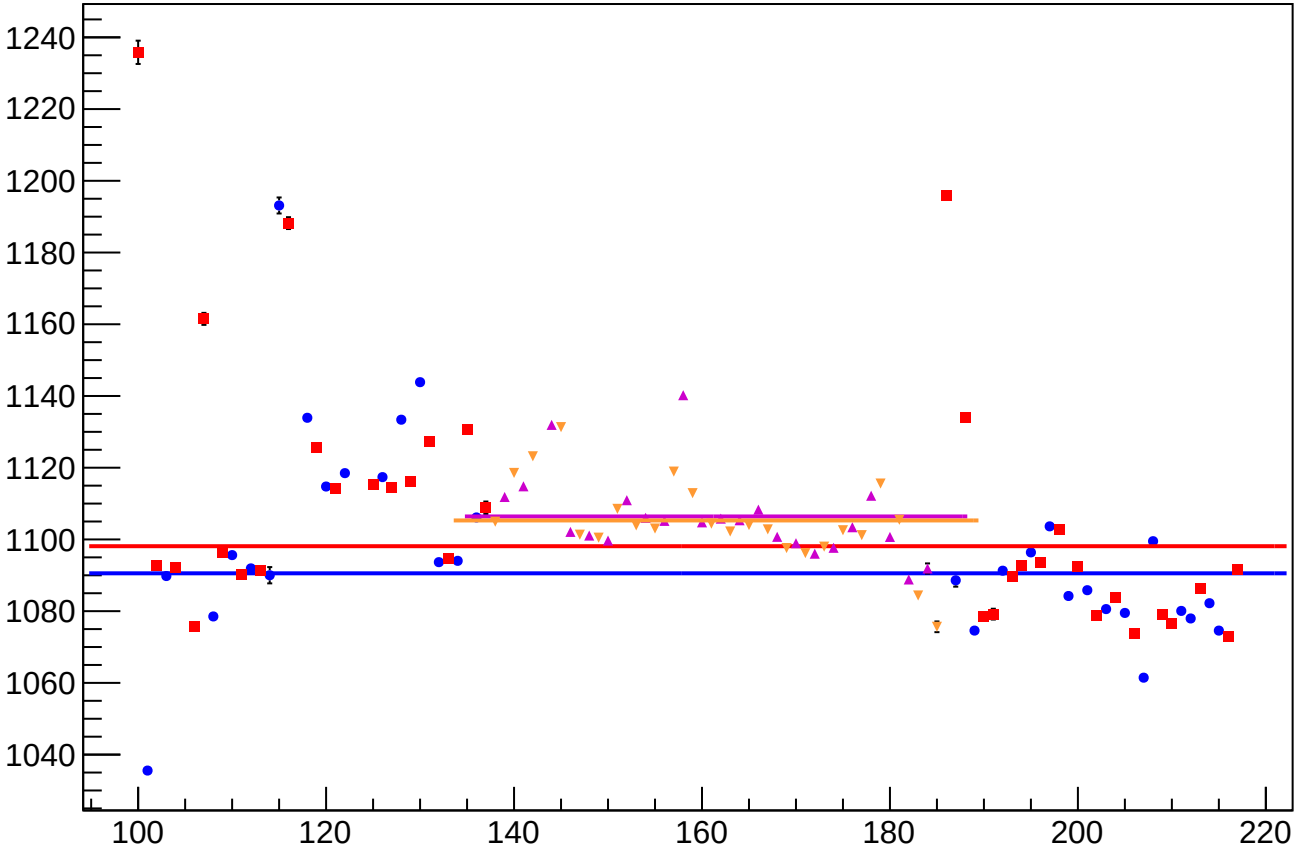
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.708+/-178.384 χ^2/NDF: 29.3/54

All: -126.037+/-125.526 χ^2/NDF: 316.6/112

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

reg_asym_usl_rms vs Slug



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

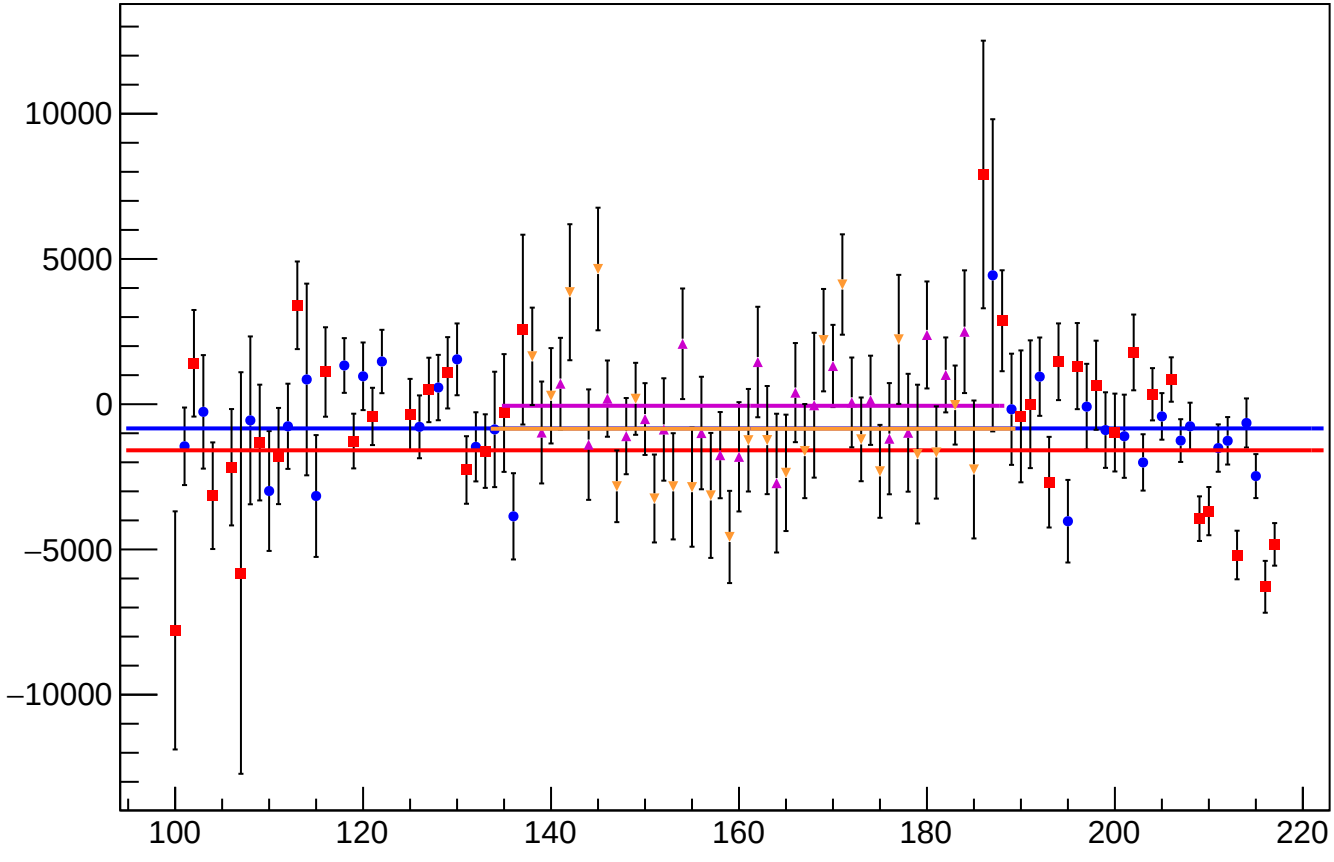
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.681+/-0.126 χ^2/NDF: 22825.3/54

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112

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

asym_usl_reg_correction_mean vs Slug



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

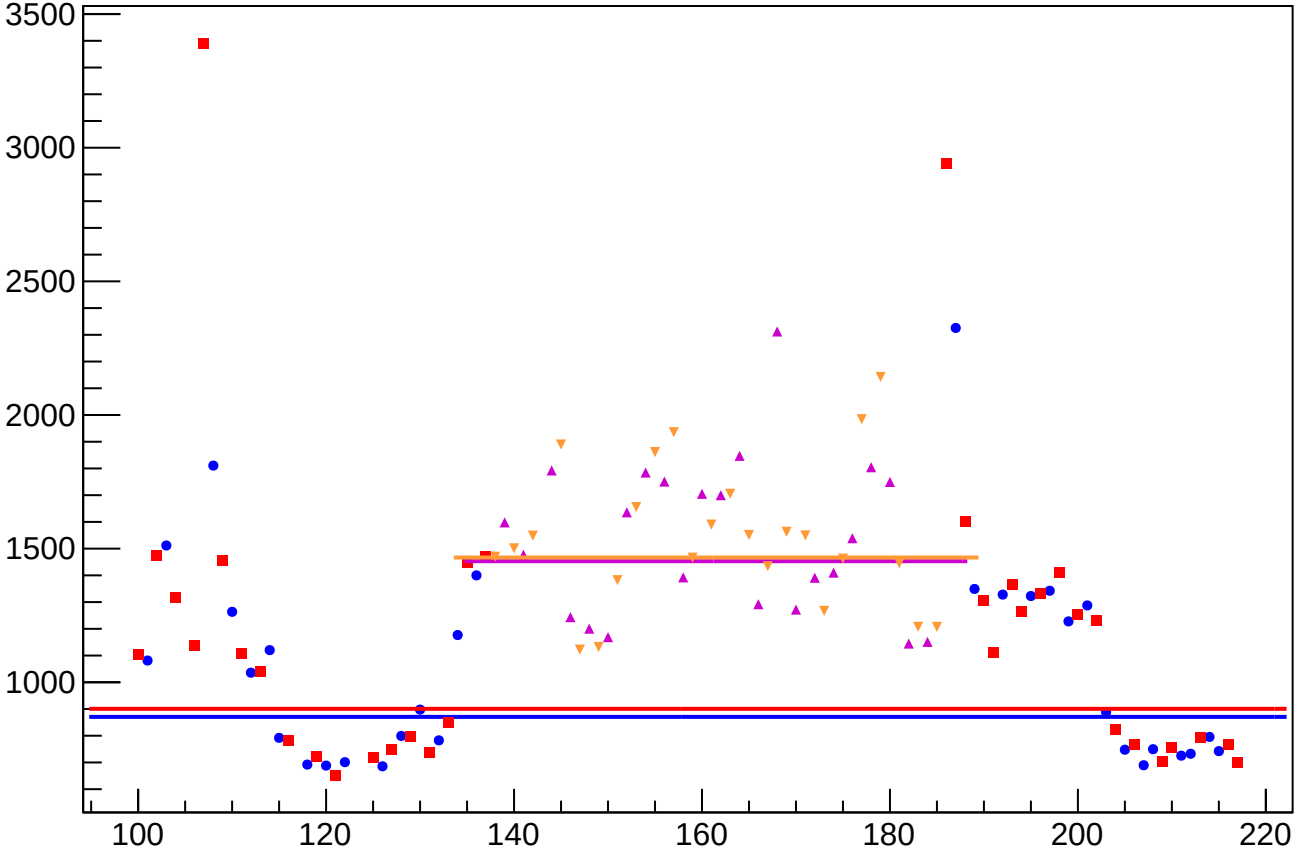
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -836.268+/-177.645 χ^2/NDF: 84.8/54

All: -1005.031+/-126.120 χ^2/NDF: 273.9/112

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

asym_usl_reg_correction_rms vs Slug



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

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

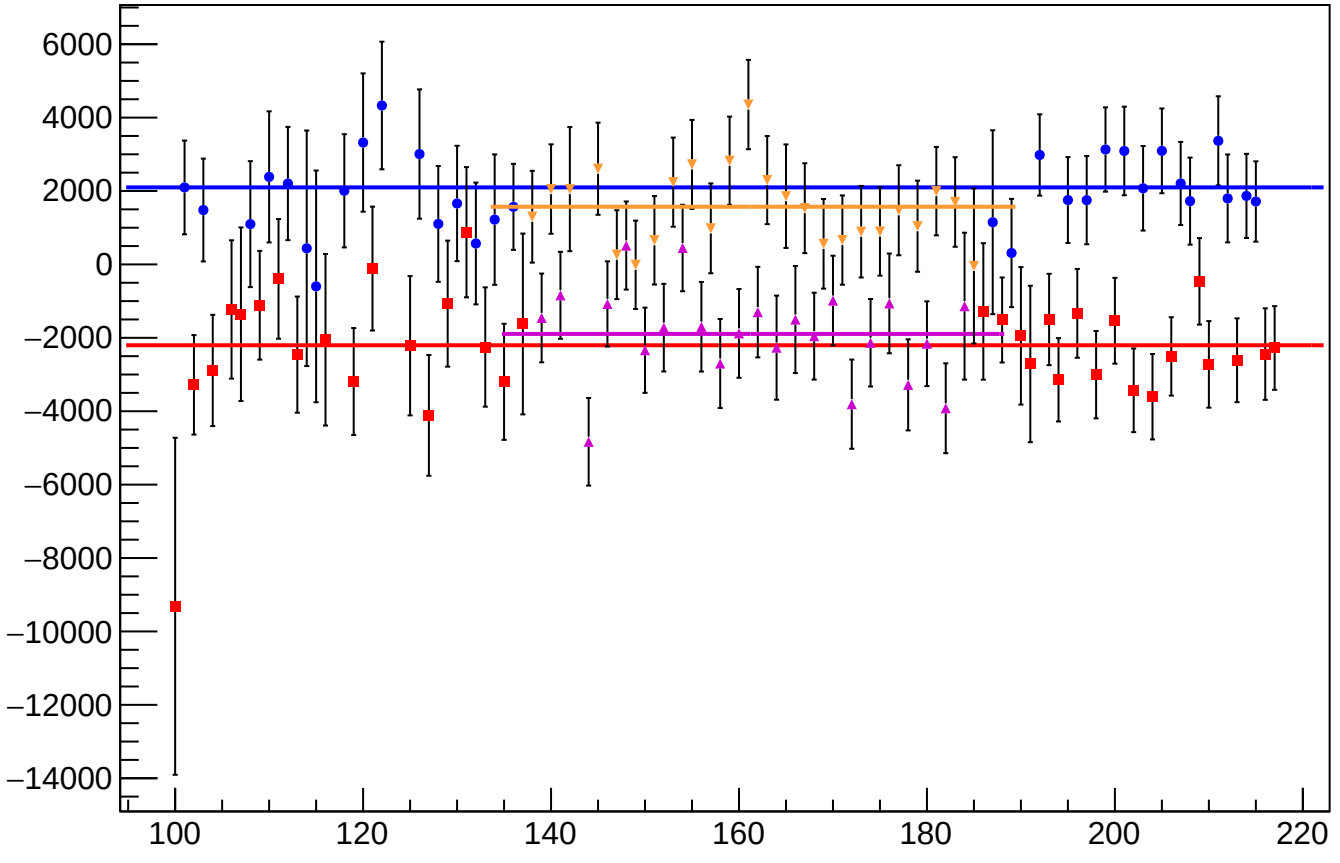
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1026.483+/-0.126 χ^2/NDF: 8170927.6/54

All: 1037.490+/-0.089 χ^2/NDF: 16679403.0/1

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

cor_asym_usl_mean vs Slug



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

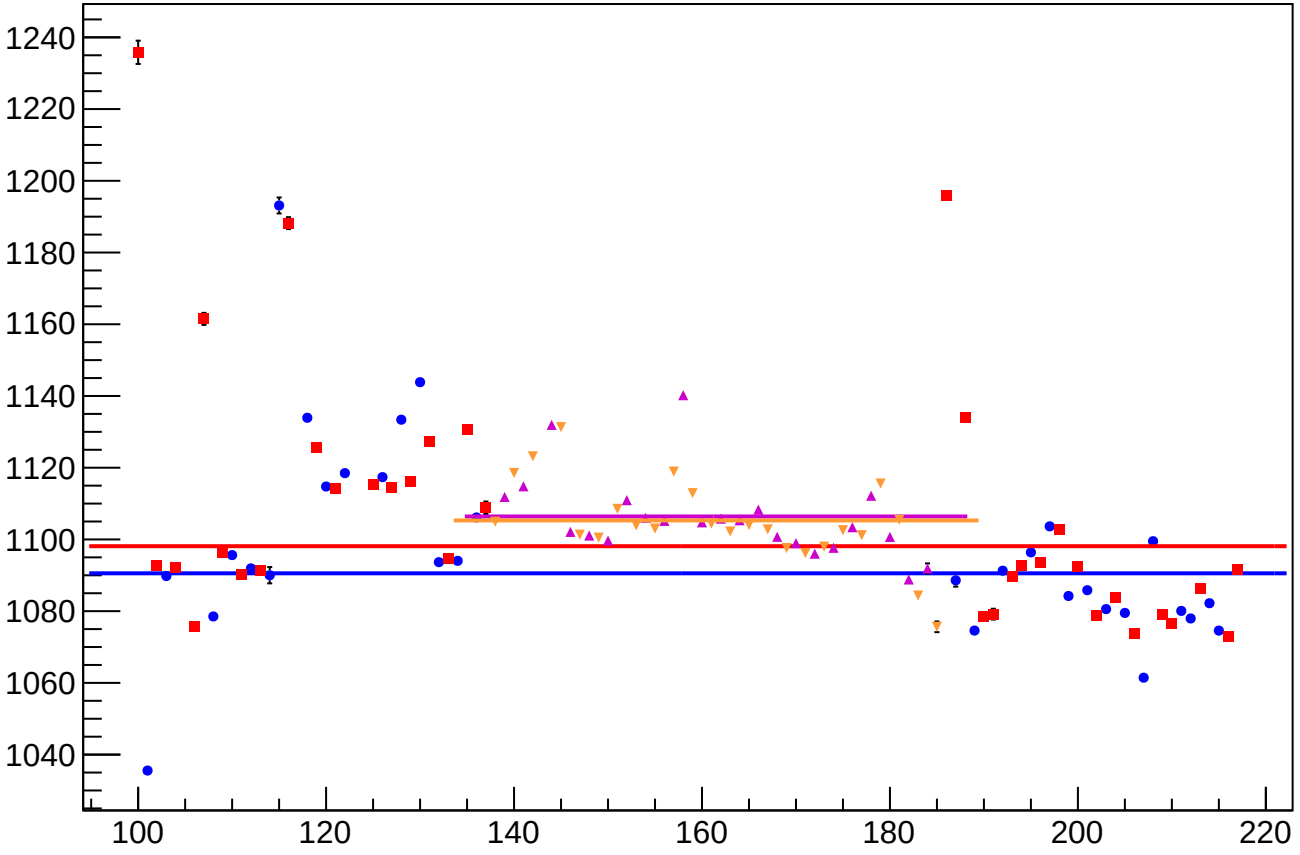
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.708+/-178.384 χ^2/NDF: 29.3/54

All: -126.035+/-125.526 χ^2/NDF: 316.6/112

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

cor_asym_usl_rms vs Slug



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

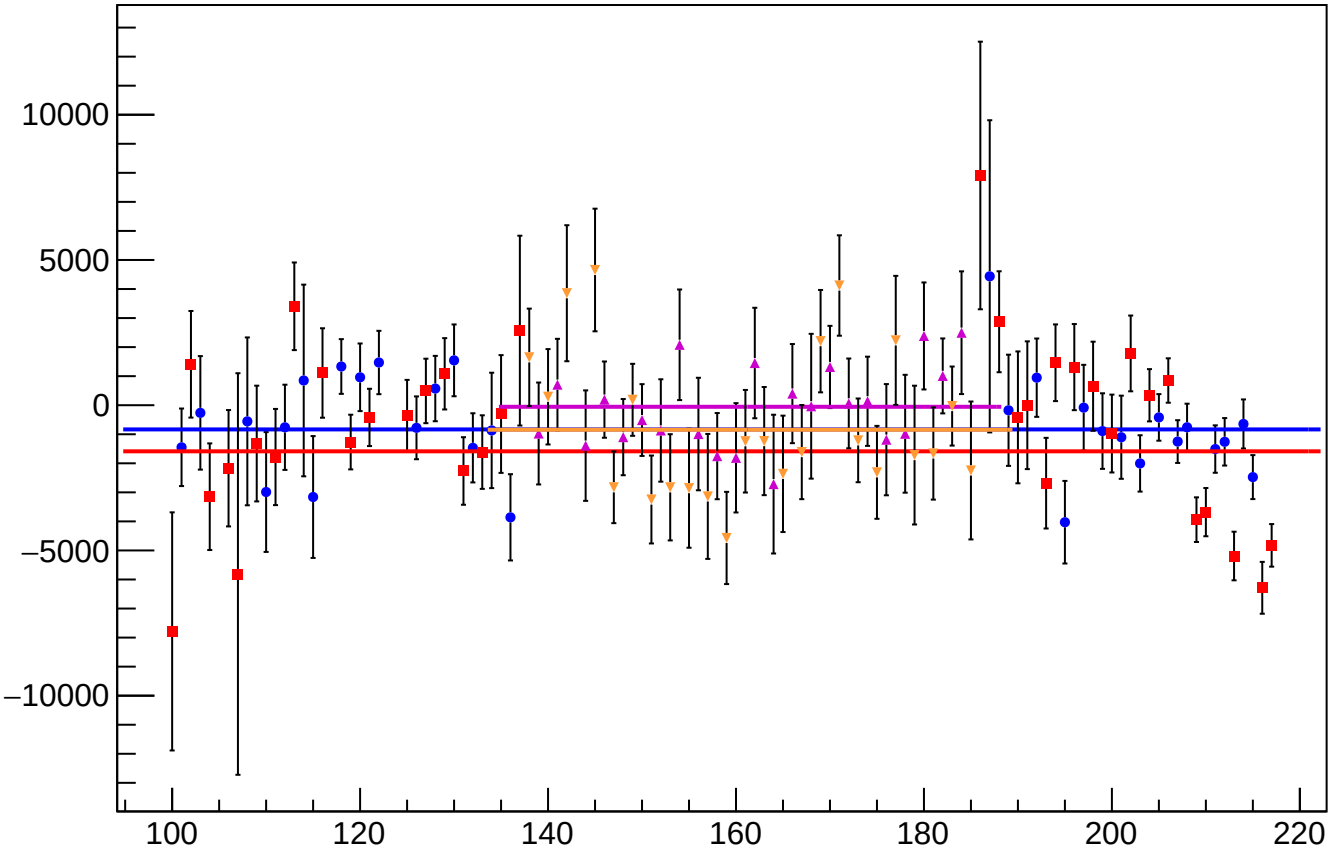
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.681+/-0.126 χ^2/NDF: 22825.3/54

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112

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

asym_usl_cor_correction_mean vs Slug



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

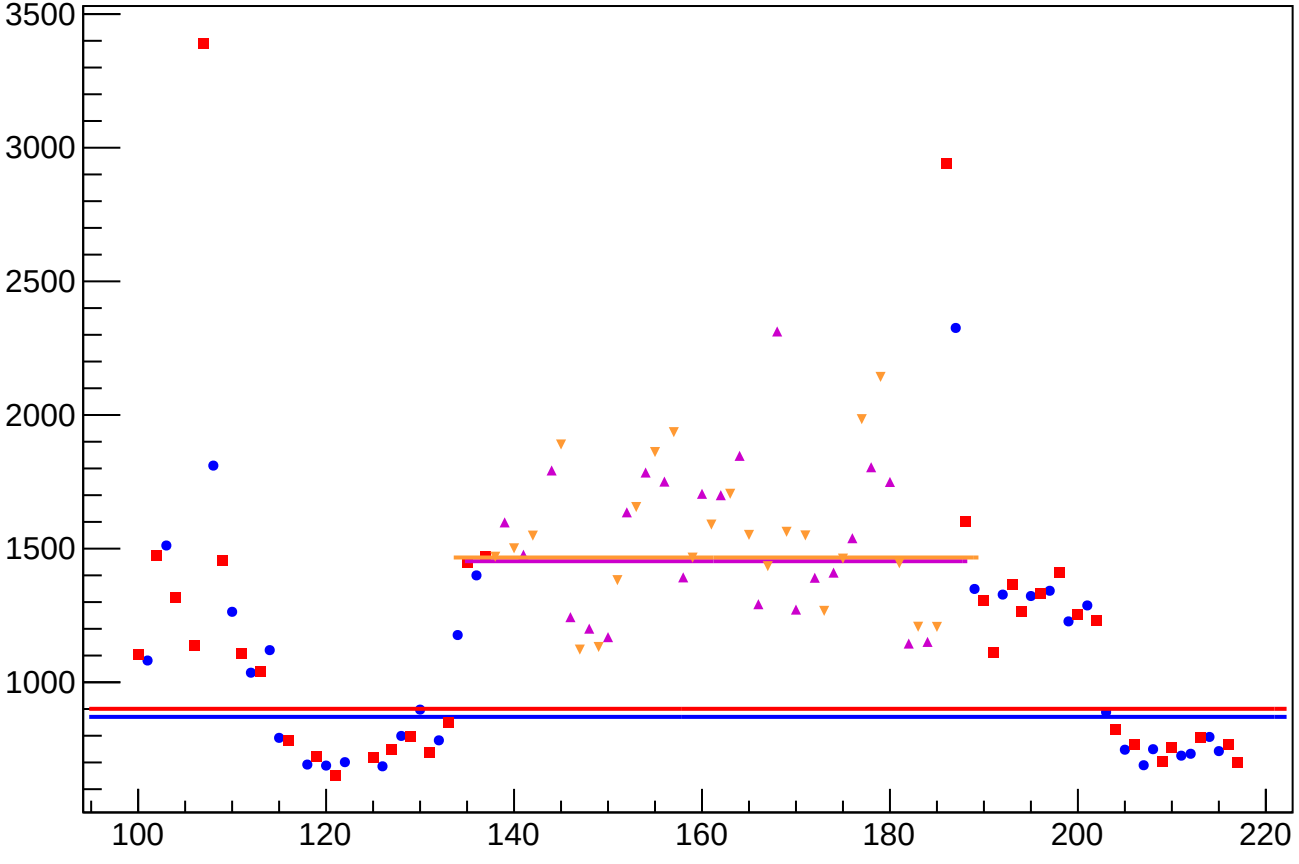
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -836.268+/-177.645 χ^2/NDF: 84.8/54

All: -1005.031+/-126.120 χ^2/NDF: 273.9/112

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

asym_usl_cor_correction_rms vs Slug



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

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

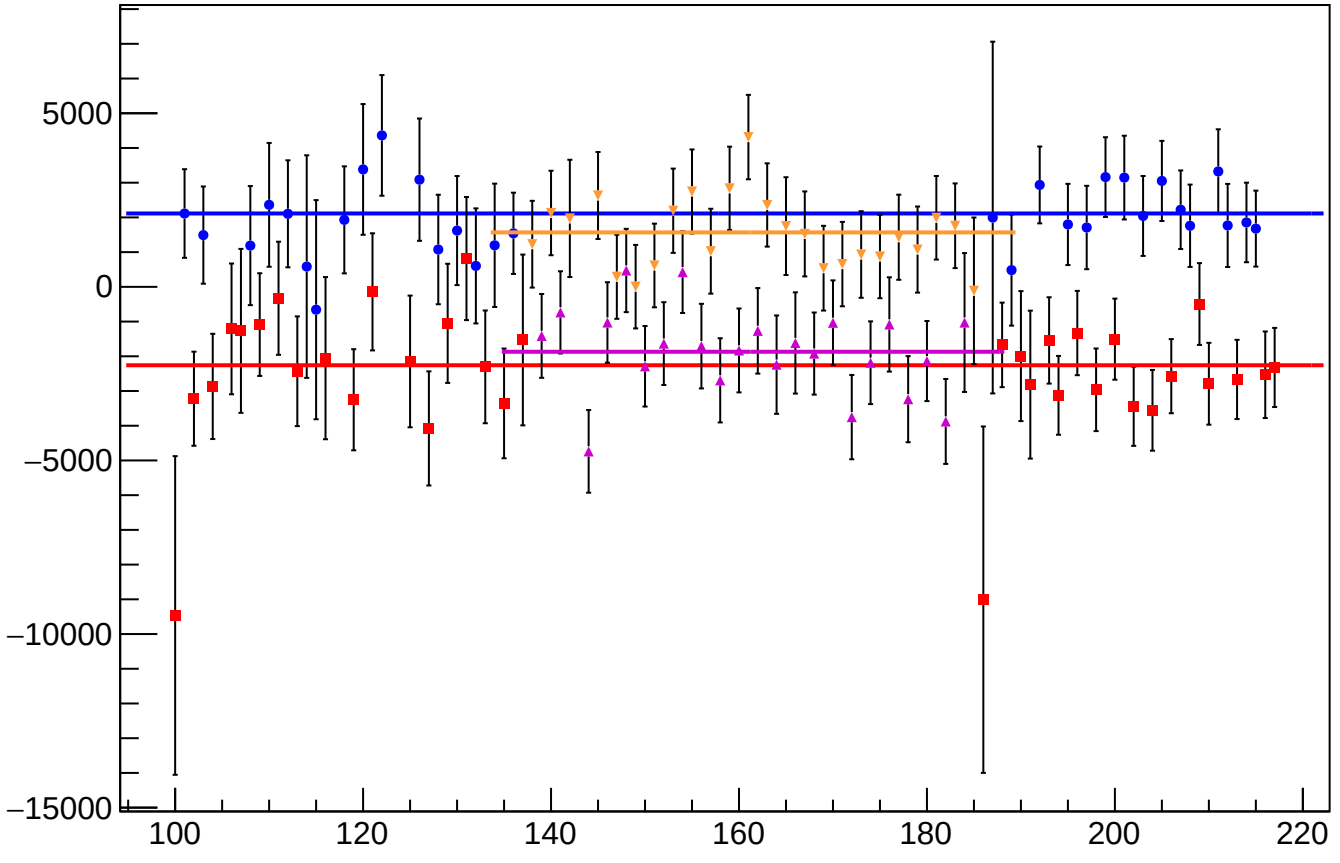
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1026.483+/-0.126 χ^2/NDF: 8170927.6/54

All: 1037.490+/-0.089 χ^2/NDF: 16679402.2/1

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

overload_cor_asym_usl_mean vs Slug



Right In: 2113.712+/-249.512 χ^2/NDF: 11.2/30

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

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

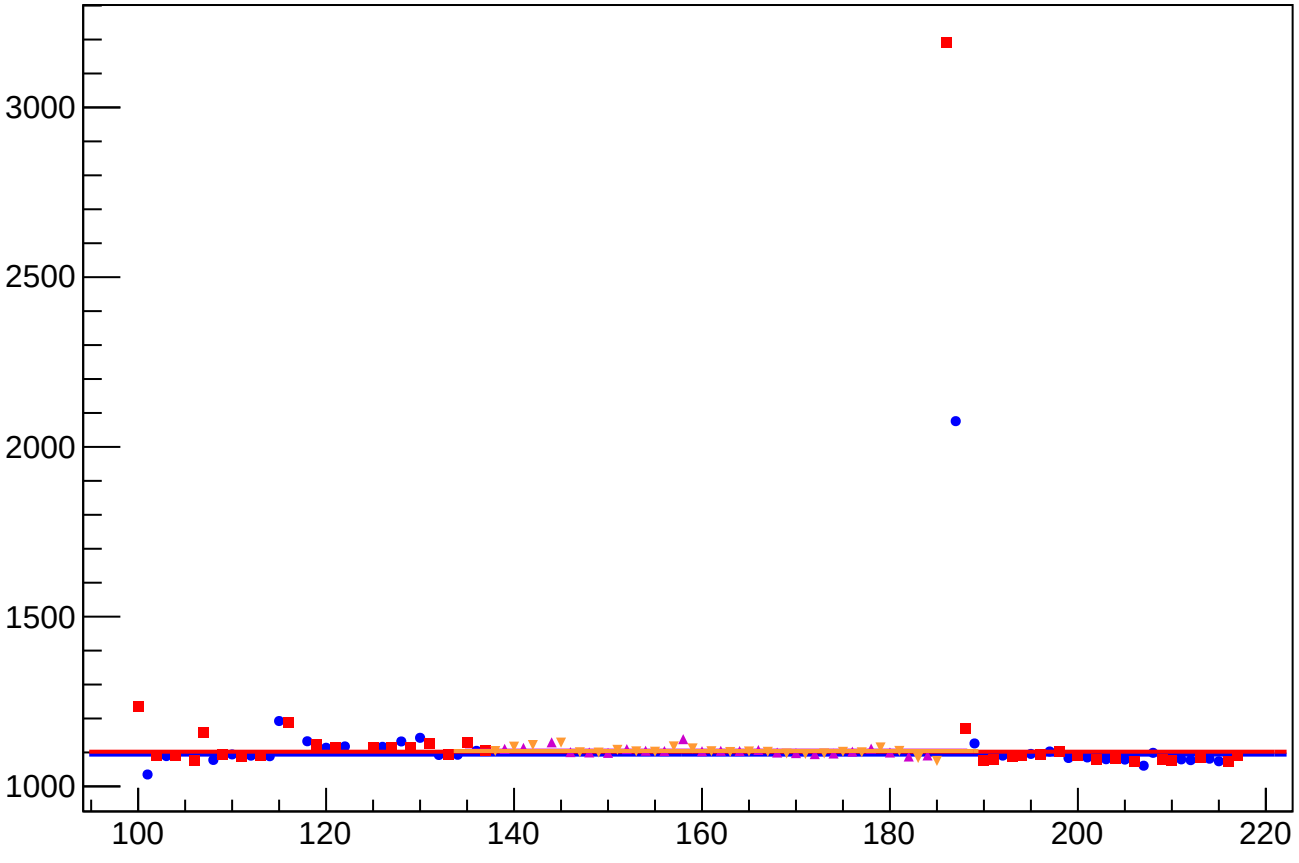
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1848.554+/-178.781 χ^2/NDF: 28.9/54

All: -127.703+/-125.938 χ^2/NDF: 318.5/112

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

overload_cor_asym_usl_rms vs Slug



Right In: 1093.574+/-0.176 χ^2/NDF: 92243.9/30

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

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

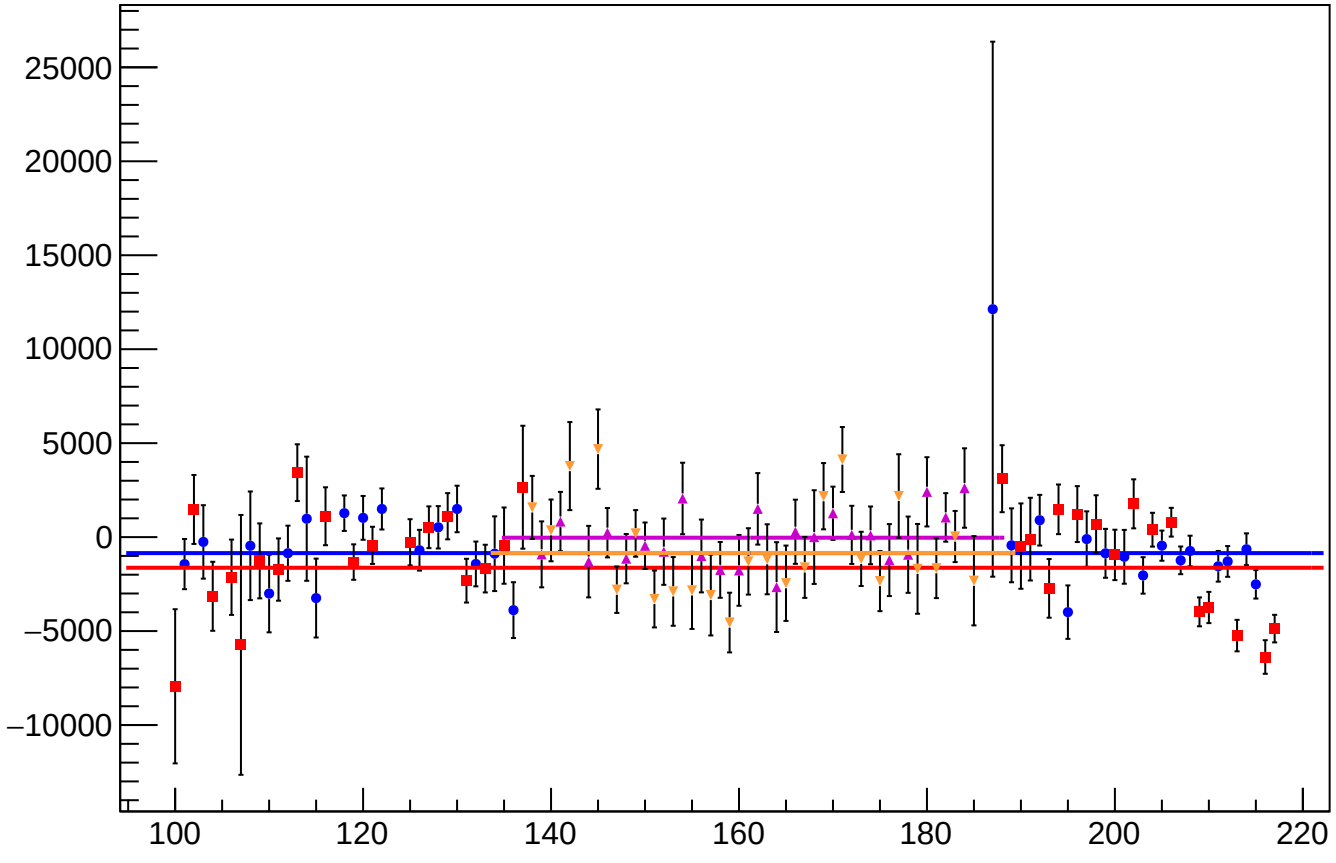
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1098.773+/-0.126 χ^2/NDF: 97027.6/54

All: 1101.254+/-0.089 χ^2/NDF: 474516.1/112

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

asym_usl_overload_cor_correction_mean vs Slug



Right In: -850.783+/-207.167 χ^2/NDF: 40.4/30

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

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

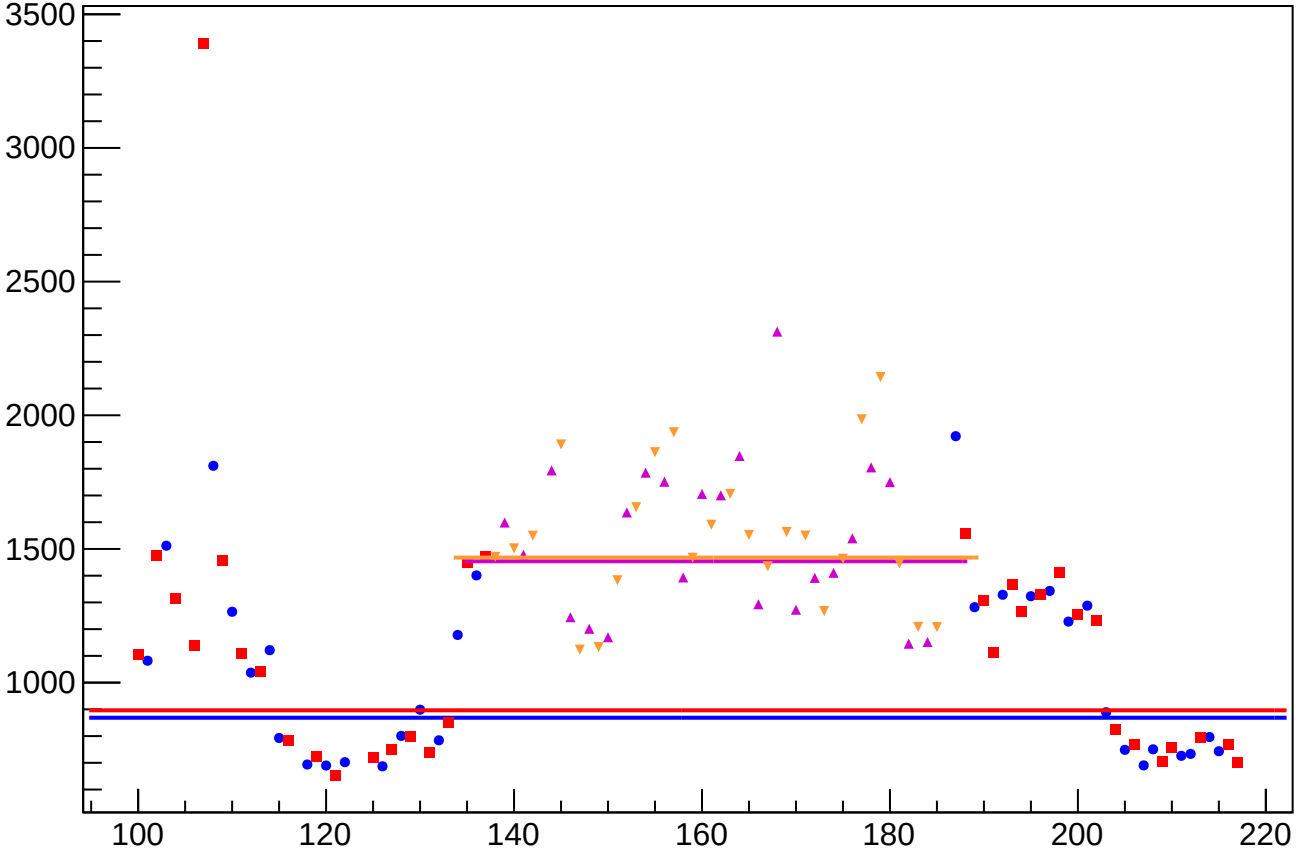
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -848.816+/-177.950 χ^2/NDF: 84.5/54

All: -1023.195+/-126.357 χ^2/NDF: 273.8/111

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

asym_usl_overload_cor_correction_rms vs Slug



Right In: 868.646+/-0.146 χ^2/NDF: 2593931.2/30

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

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

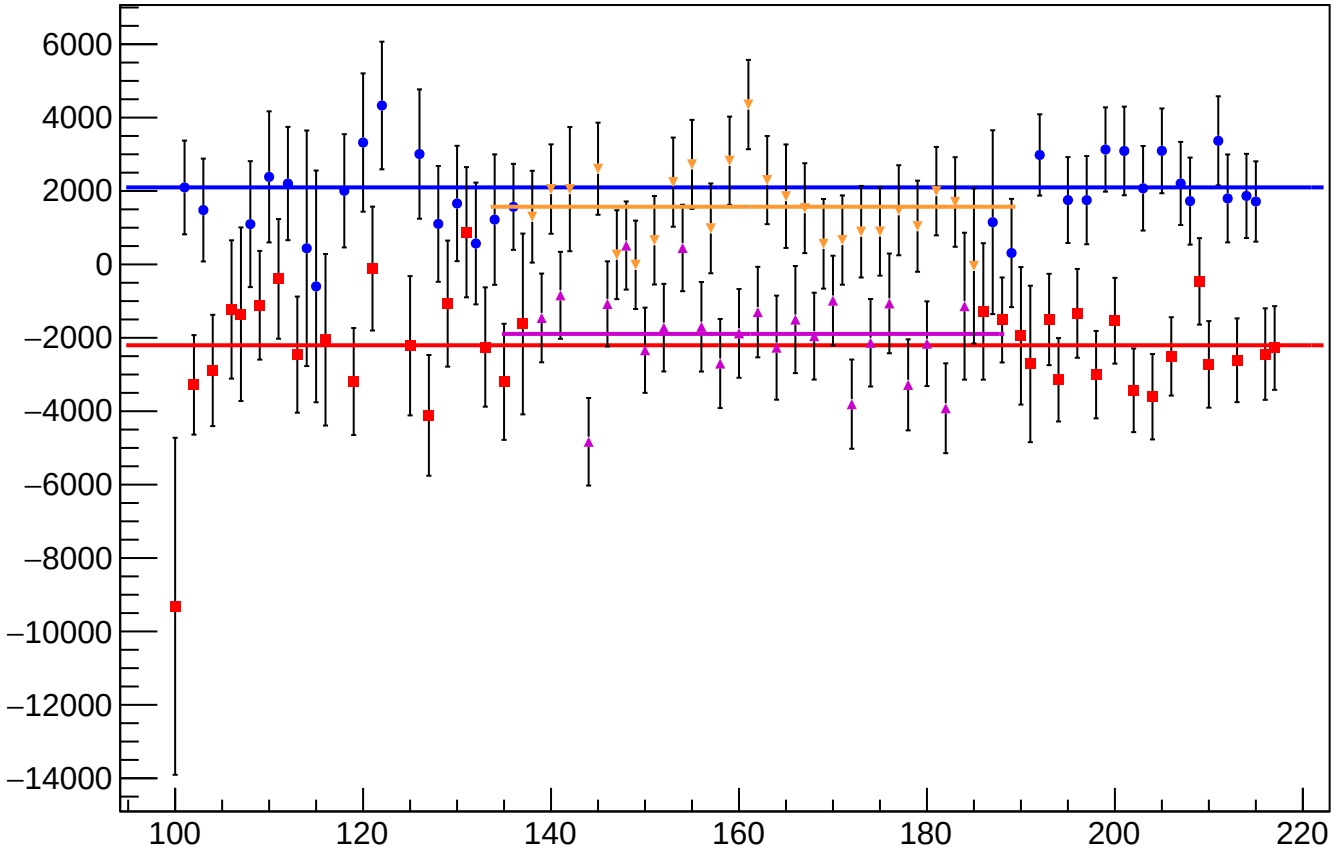
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1025.702+/-0.126 χ^2/NDF: 8020173.5/54

All: 1035.859+/-0.089 χ^2/NDF: 16128233.6/1

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

eigen_cor_asym_usl_mean vs Slug



Right In: 2098.965+/-248.217 χ^2/NDF: 11.7/30

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

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

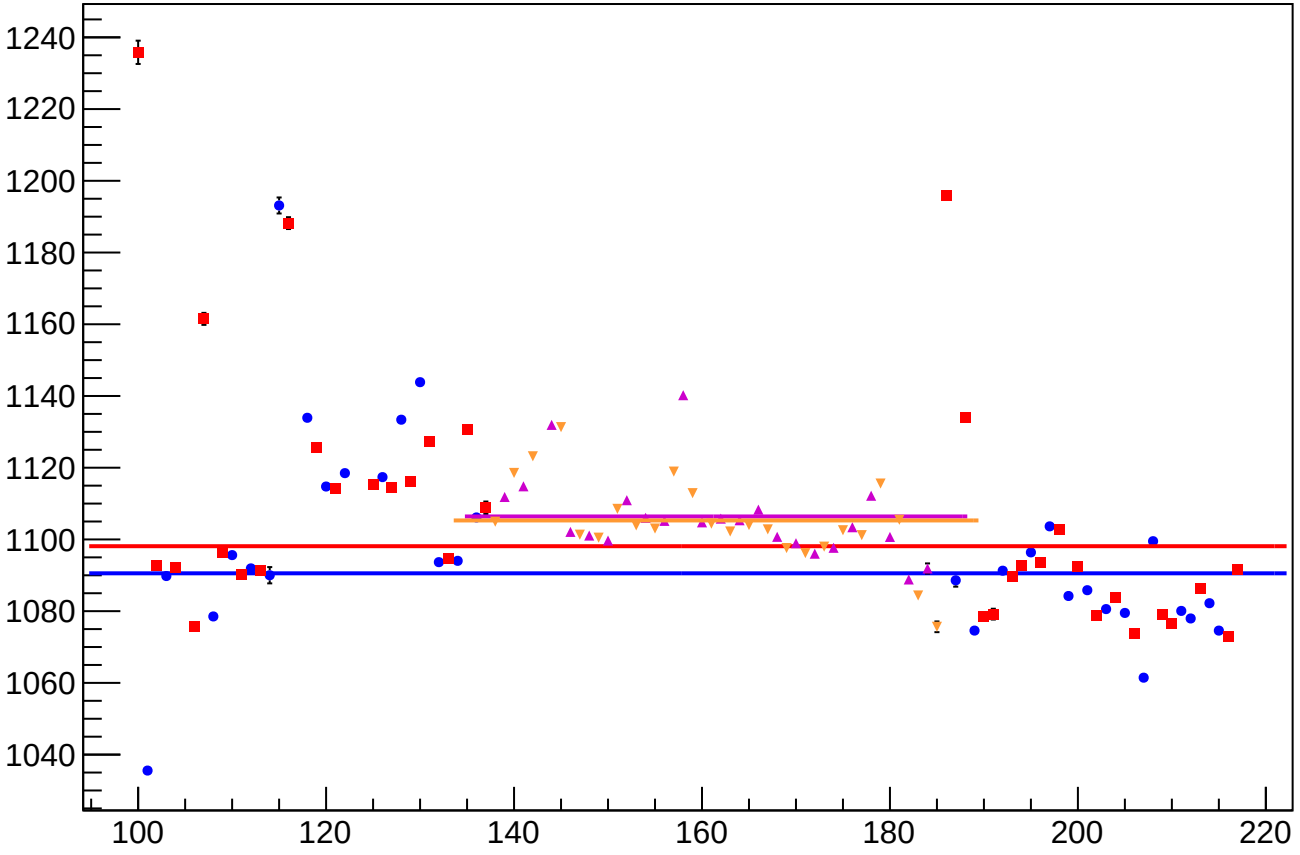
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.708+/-178.384 χ^2/NDF: 29.3/54

All: -126.035+/-125.526 χ^2/NDF: 316.6/112

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1090.554+/-0.176 χ^2/NDF: 16253.3/30

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

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

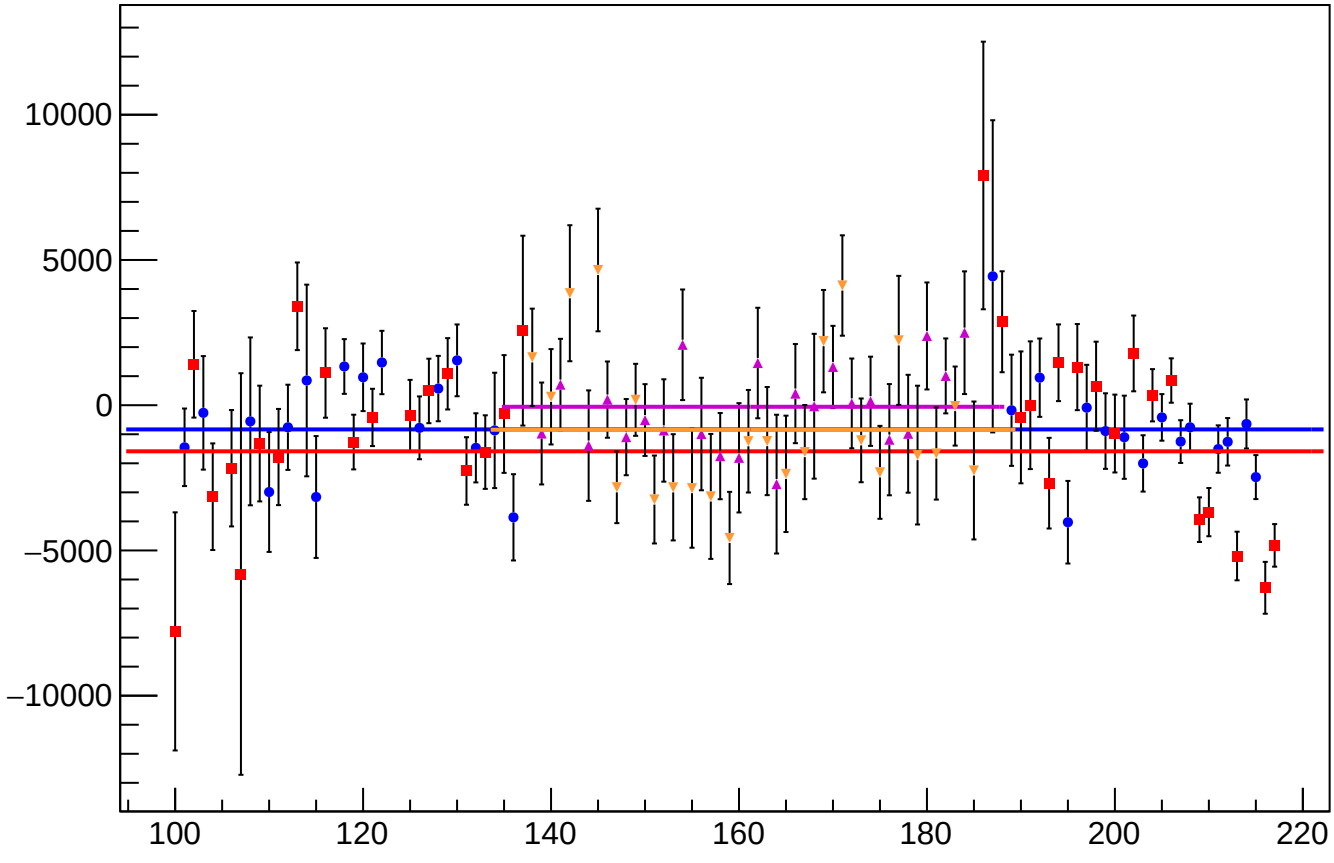
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1097.681+/-0.126 χ^2/NDF: 22825.3/54

All: 1099.857+/-0.089 χ^2/NDF: 50137.9/112

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

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -833.300+/-206.727 χ^2/NDF: 40.7/30

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

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

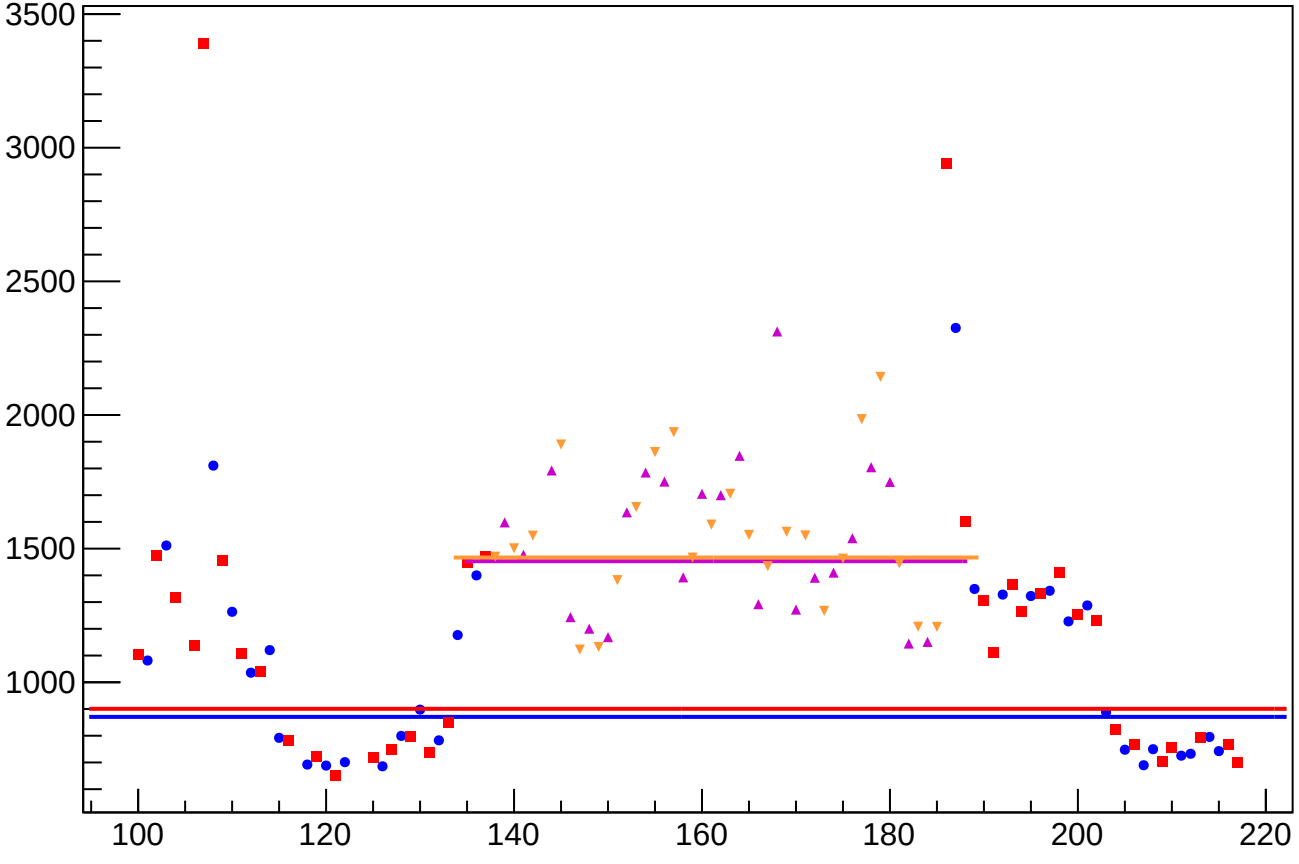
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -836.268+/-177.645 χ^2/NDF: 84.8/54

All: -1005.031+/-126.120 χ^2/NDF: 273.9/112

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 870.499+/-0.146 χ^2/NDF: 2774370.2/30

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

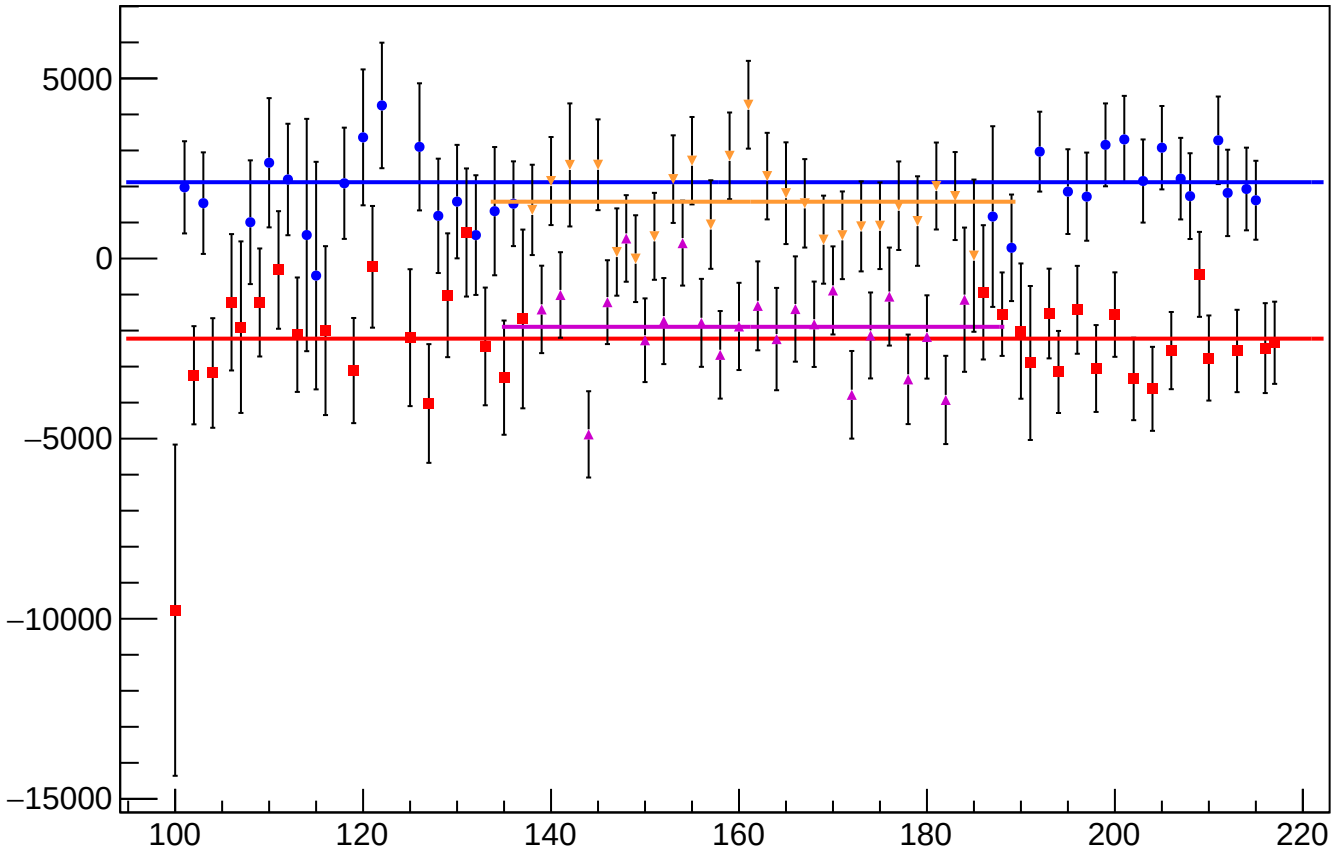
Right Out: 900.687+/-0.148 χ^2/NDF: 3632166.0/34

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

+ sign 1026.483+/-0.126 χ^2/NDF: 8170927.6/54

All: 1037.490+/-0.089 χ^2/NDF: 16679402.2/1

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



Right In: 2119.053+/-248.949 χ^2/NDF: 11.7/30

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

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

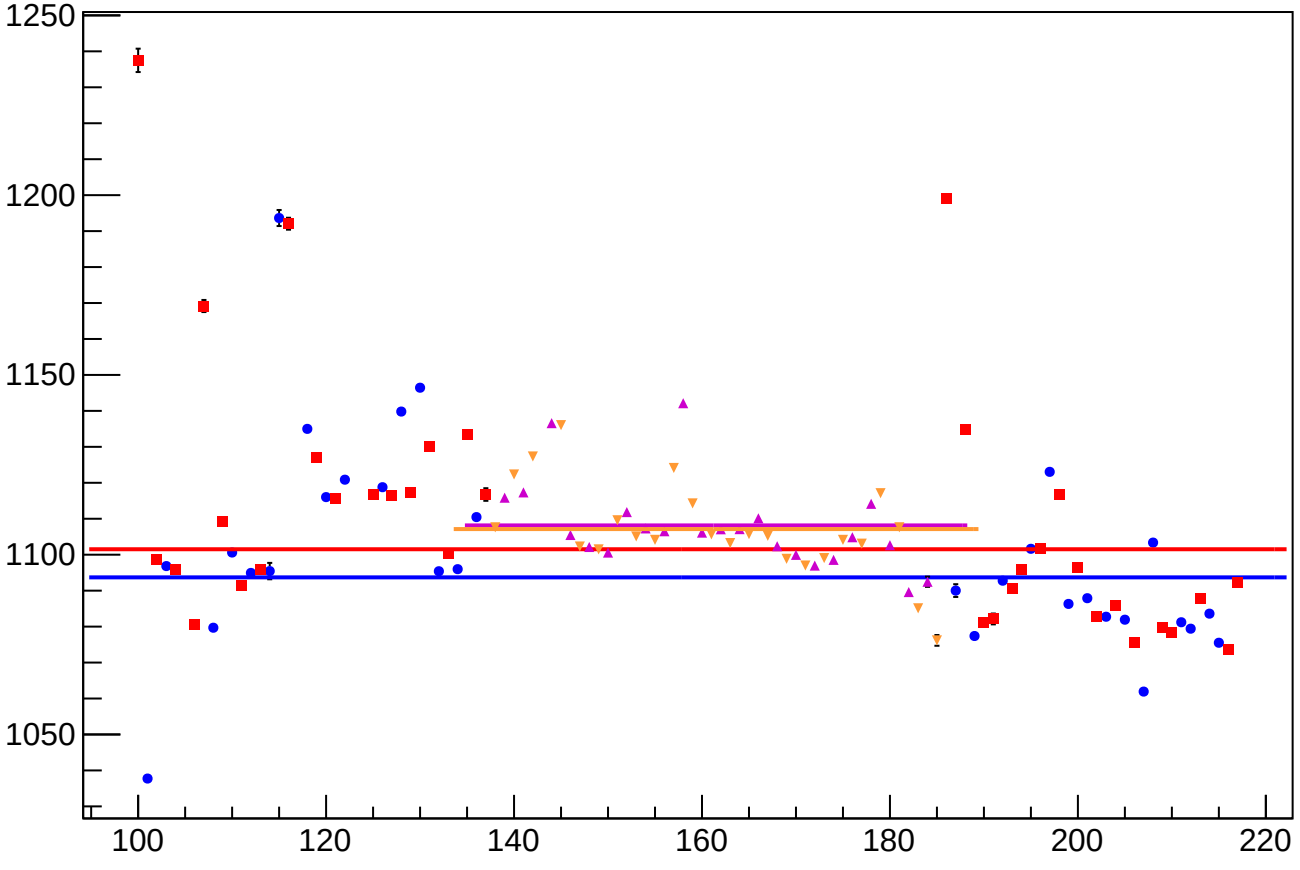
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1856.848+/-178.813 χ^2/NDF: 29.5/54

All: -125.438+/-125.832 χ^2/NDF: 318.7/112

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

dit_asym_usl_rms vs Slug



Right In: 1093.695+/-0.176 χ^2/NDF: 17854.5/30

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

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

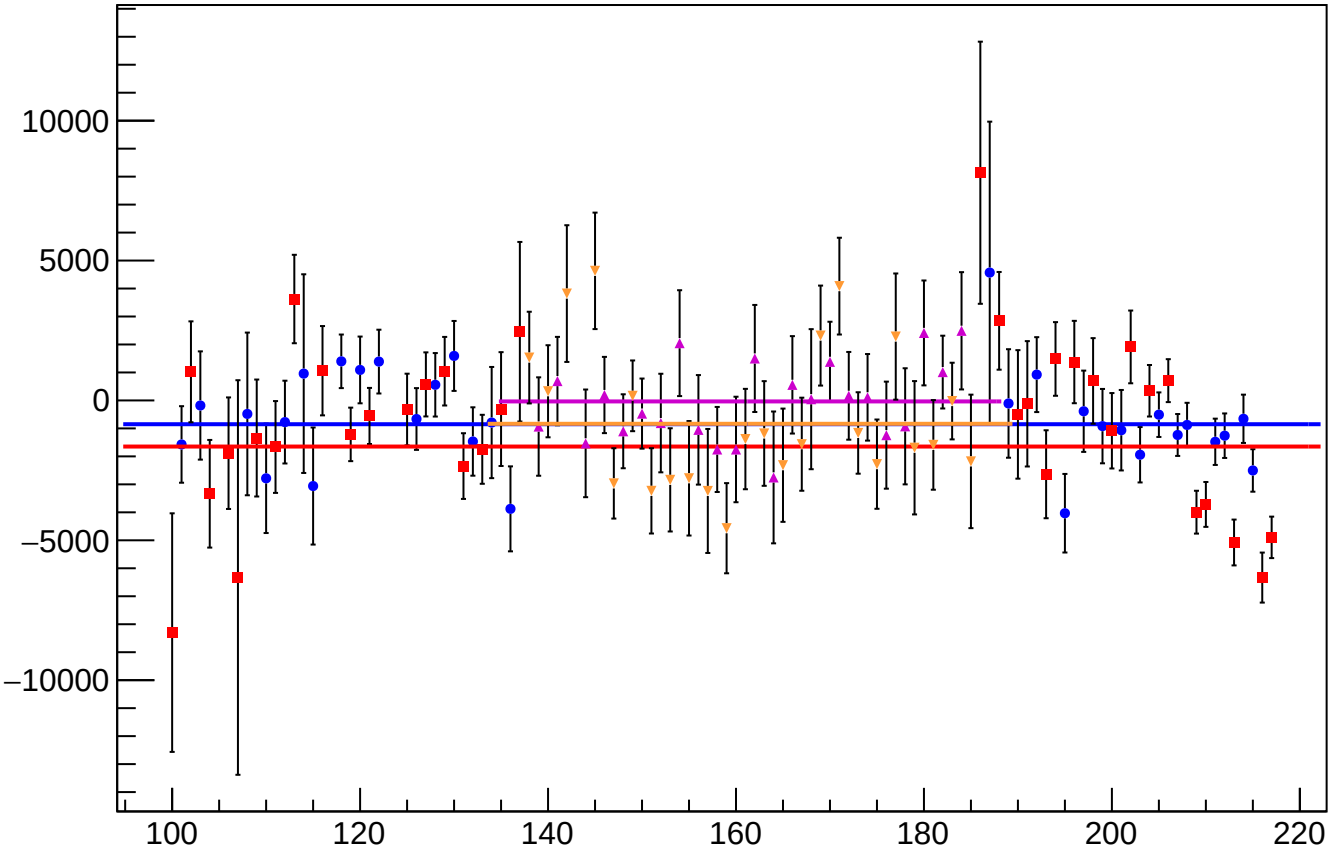
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1100.197+/-0.126 χ^2/NDF: 24456.5/54

All: 1102.431+/-0.089 χ^2/NDF: 52396.4/112

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

asym_usl_dit_correction_mean vs Slug



Right In: -850.255+/-208.132 χ^2/NDF: 39.9/30

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

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

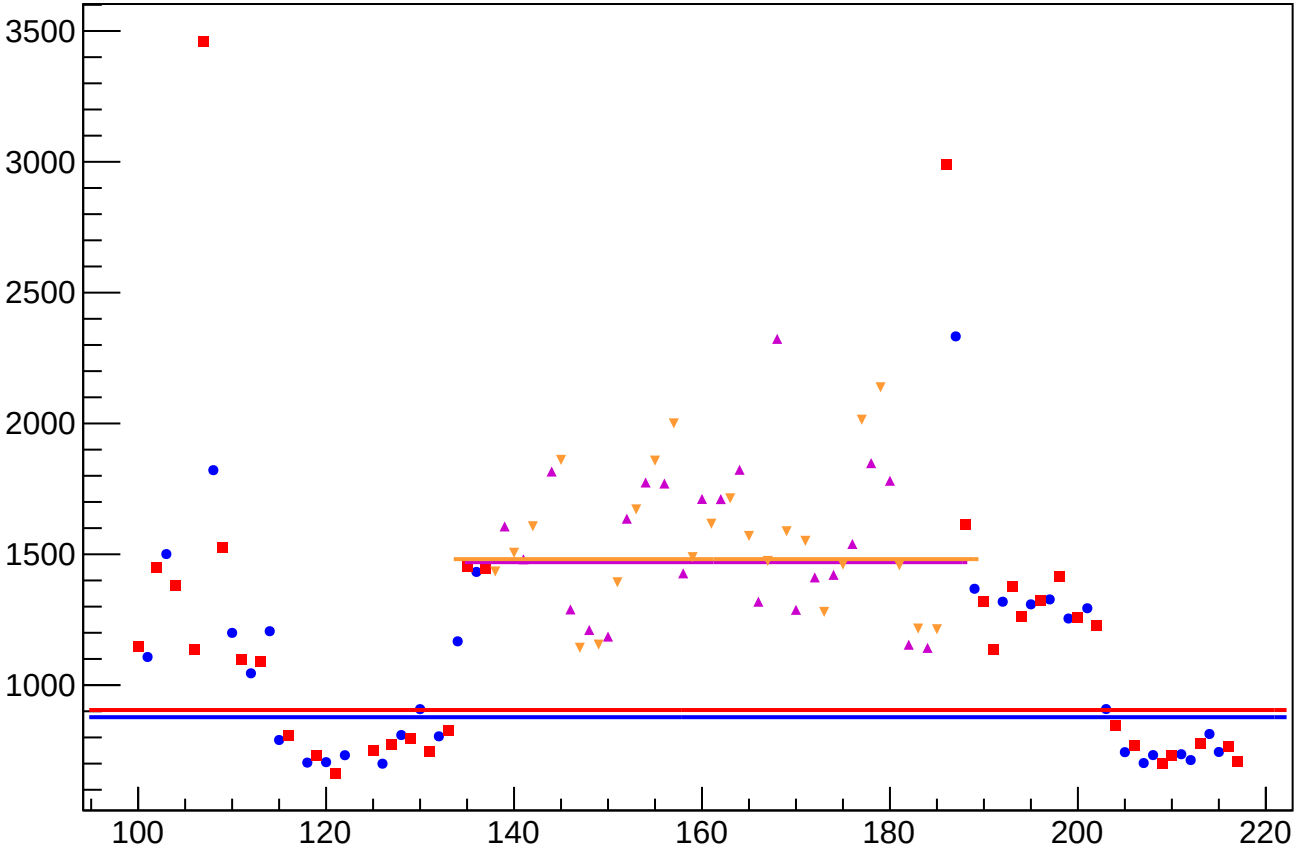
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -846.355+/-178.974 χ^2/NDF: 83.4/54

All: -1031.890+/-126.983 χ^2/NDF: 274.0/112

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

asym_usl_dit_correction_rms vs Slug



Right In: 877.399+/-0.147 χ^2/NDF: 2743496.1/30

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

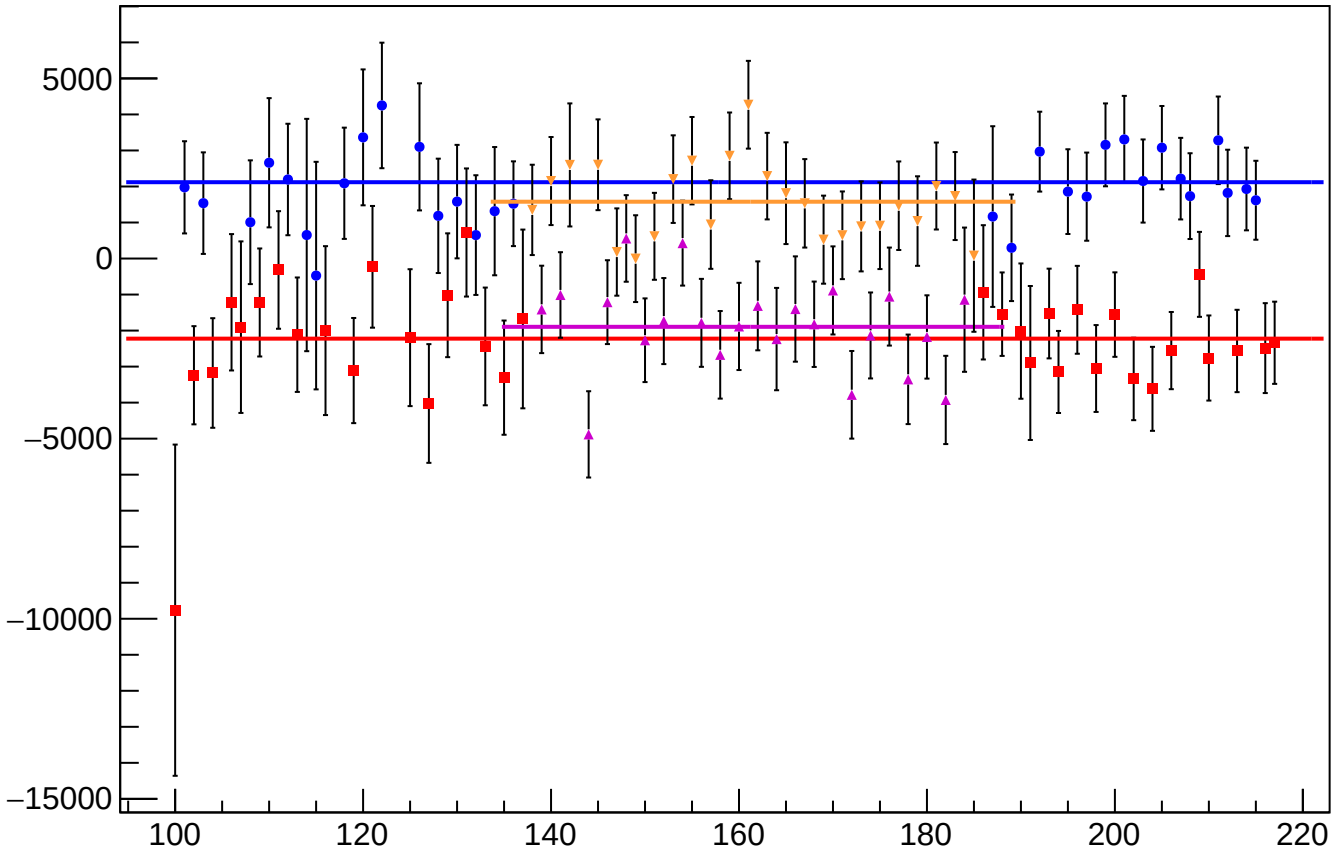
Right Out: 904.795+/-0.149 χ^2/NDF: 3667855.0/34

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

+ sign 1034.819+/-0.127 χ^2/NDF: 8151816.6/54

All: 1044.790+/-0.090 χ^2/NDF: 16764209.0/1

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



Right In: 2119.053+/-248.949 χ^2/NDF: 11.7/30

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

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

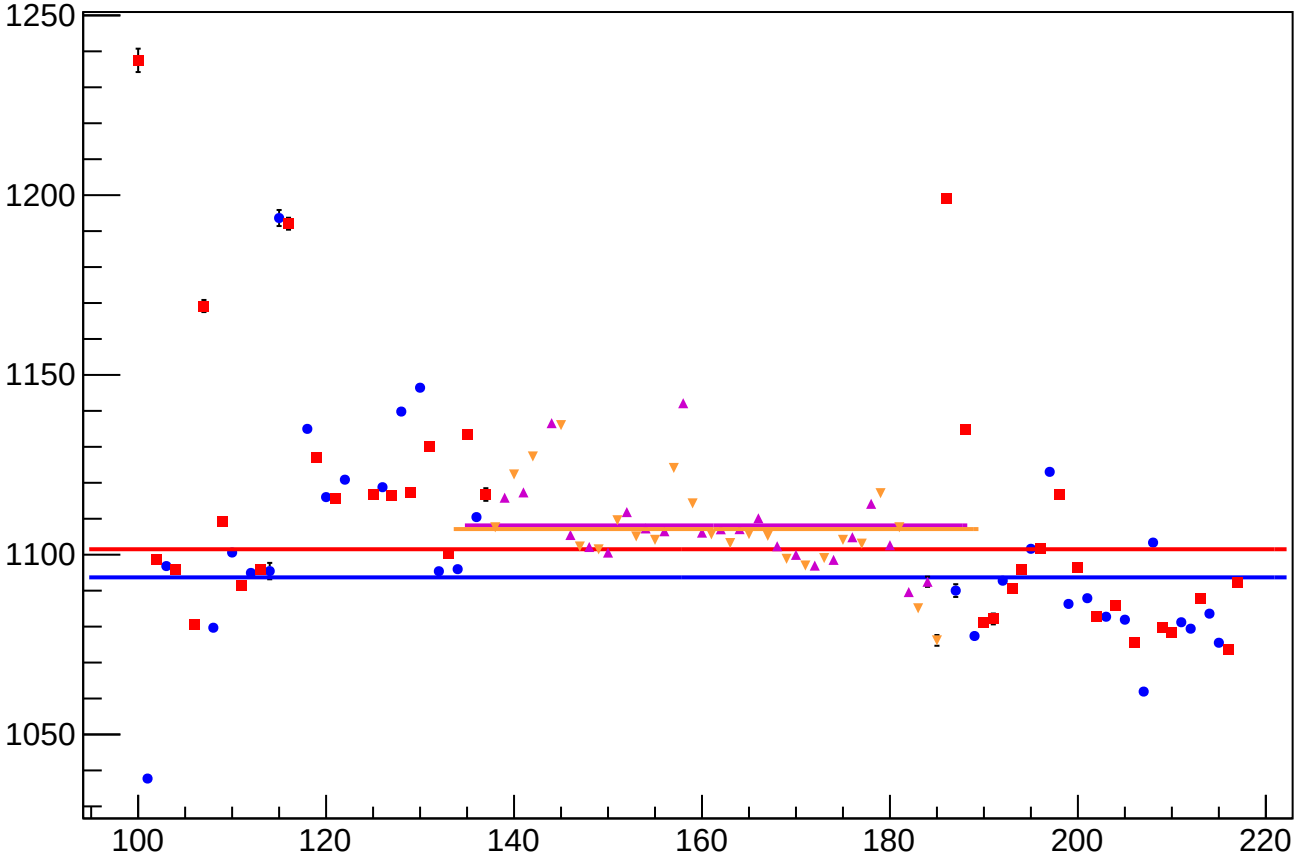
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1856.846+/-178.813 χ^2/NDF: 29.5/54

All: -125.438+/-125.832 χ^2/NDF: 318.7/112

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

eigen_dit_asym_usl_rms vs Slug



Right In: 1093.695+/-0.176 χ^2/NDF: 17854.5/30

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

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

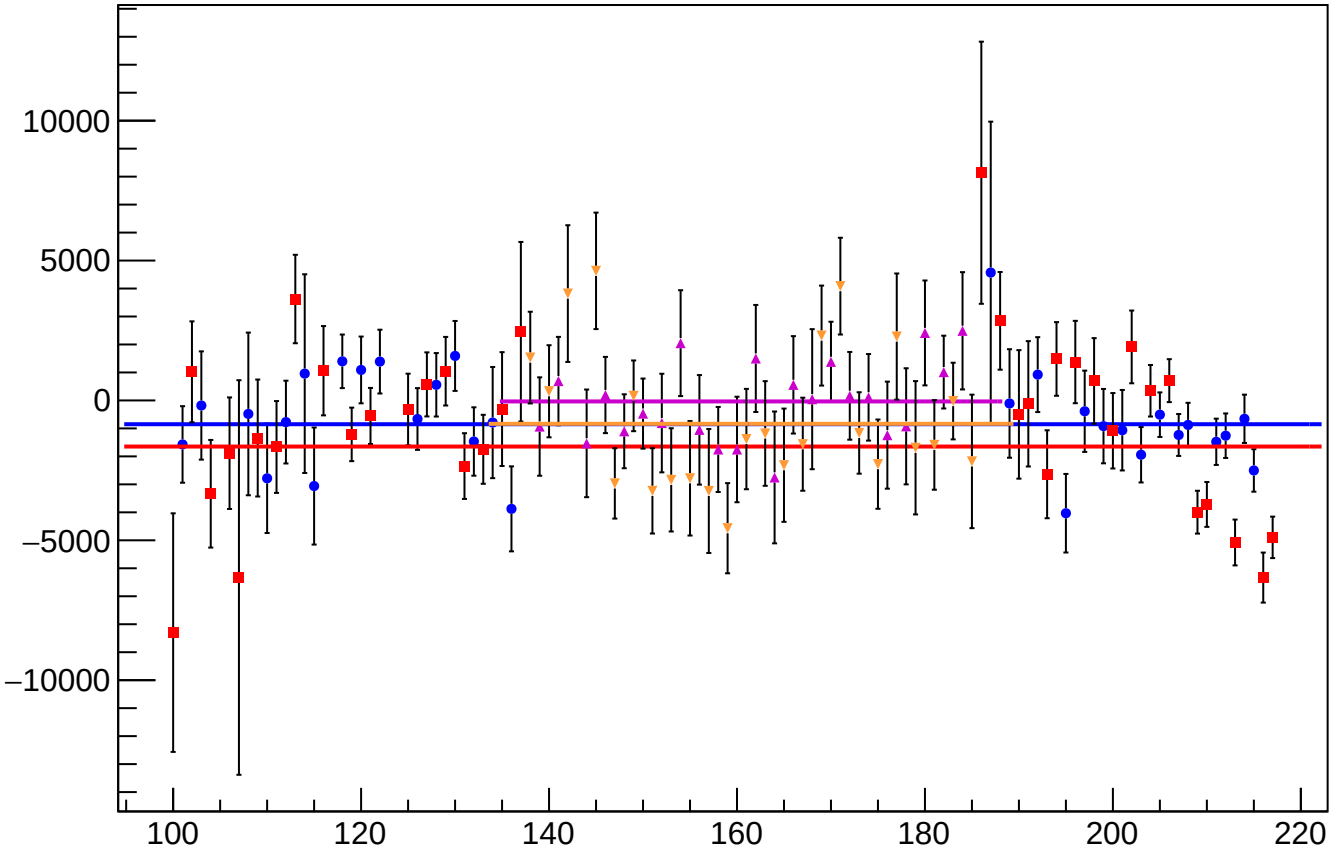
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1100.197+/-0.126 χ^2/NDF: 24456.5/54

All: 1102.431+/-0.089 χ^2/NDF: 52396.3/112

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

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -850.253+/-208.132 χ^2/NDF: 39.9/30

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

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

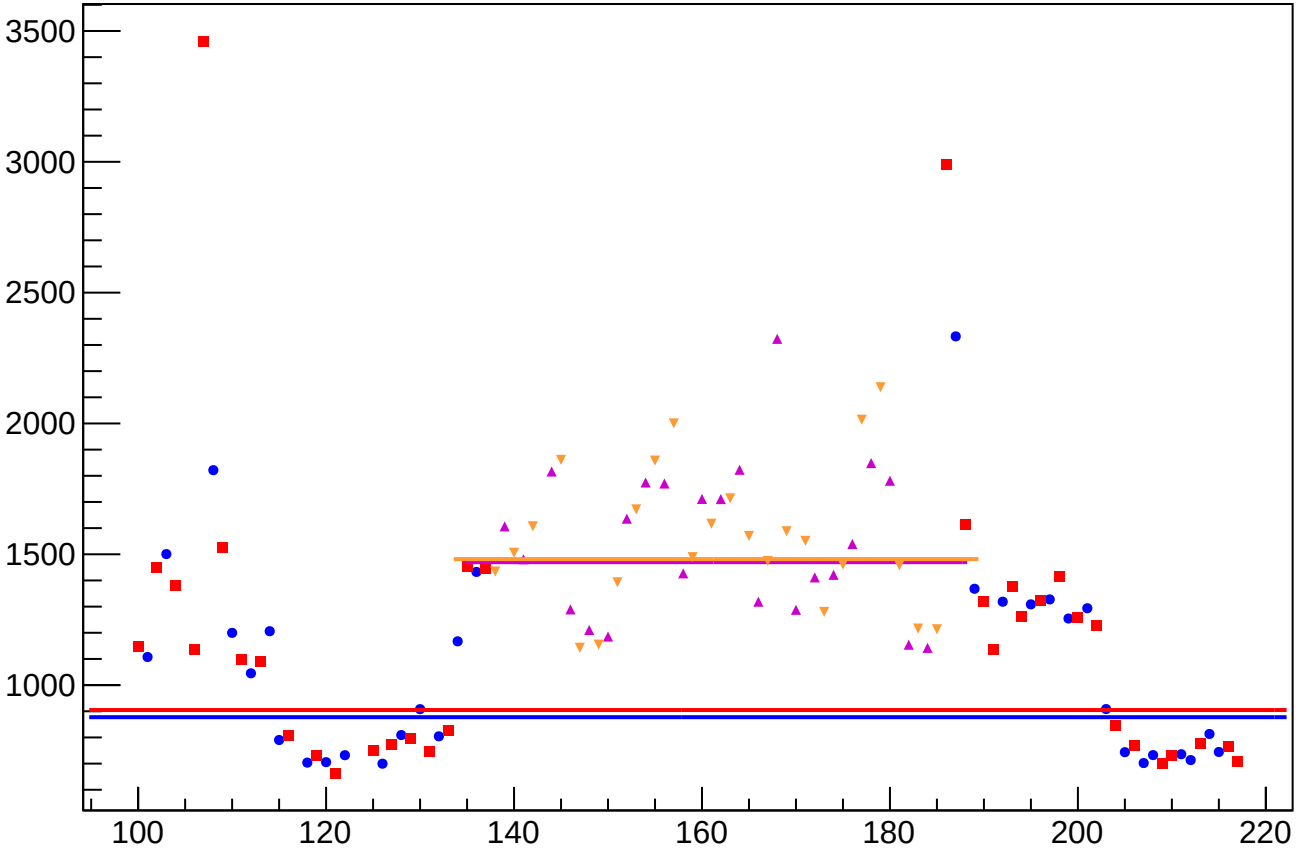
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -846.354+/-178.974 χ^2/NDF: 83.4/54

All: -1031.889+/-126.983 χ^2/NDF: 274.0/112

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 877.399+/-0.147 χ^2/NDF: 2743497.2/30

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

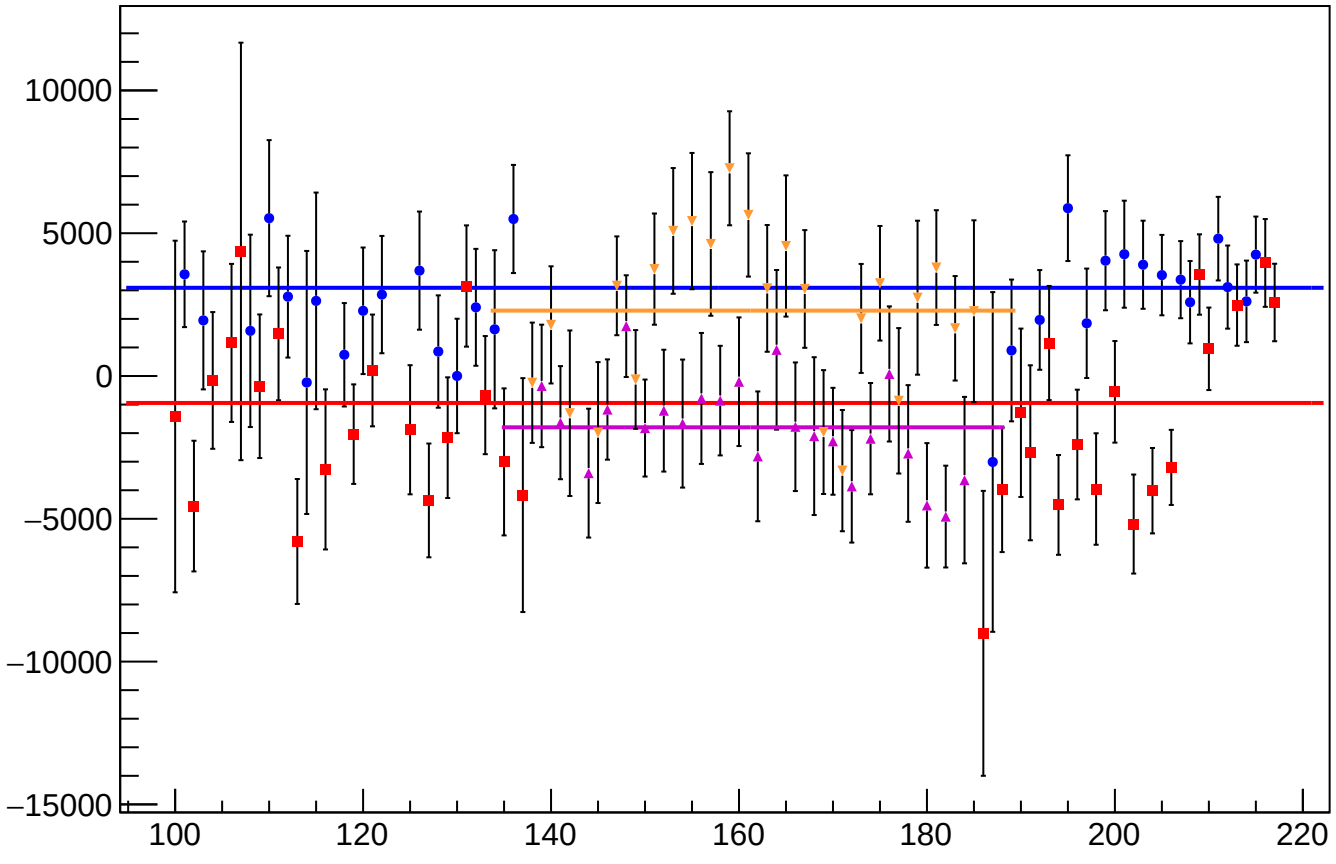
Right Out: 904.794+/-0.149 χ^2/NDF: 3667854.6/34

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

+ sign 1034.818+/-0.127 χ^2/NDF: 8151837.4/54

All: 1044.790+/-0.090 χ^2/NDF: 16764247.5/1

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



Right In: 3088.890+/-337.029 χ^2/NDF: 17.8/30

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

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

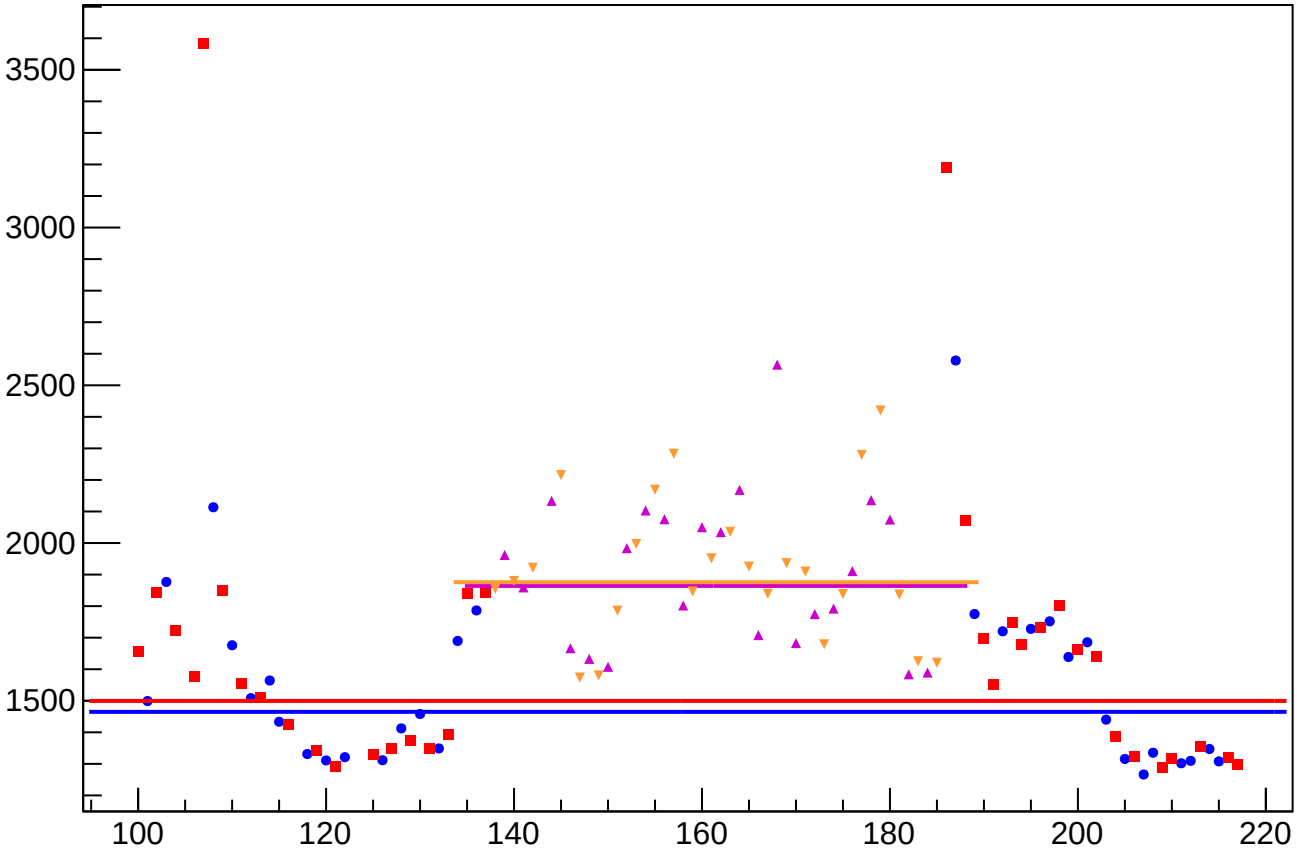
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2792.806+/-267.406 χ^2/NDF: 55.9/54

All: 763.452+/-188.910 χ^2/NDF: 268.1/112

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

asym_usl_rms vs Slug



Right In: 1464.954+/-0.238 χ^2/NDF: 715251.2/30

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

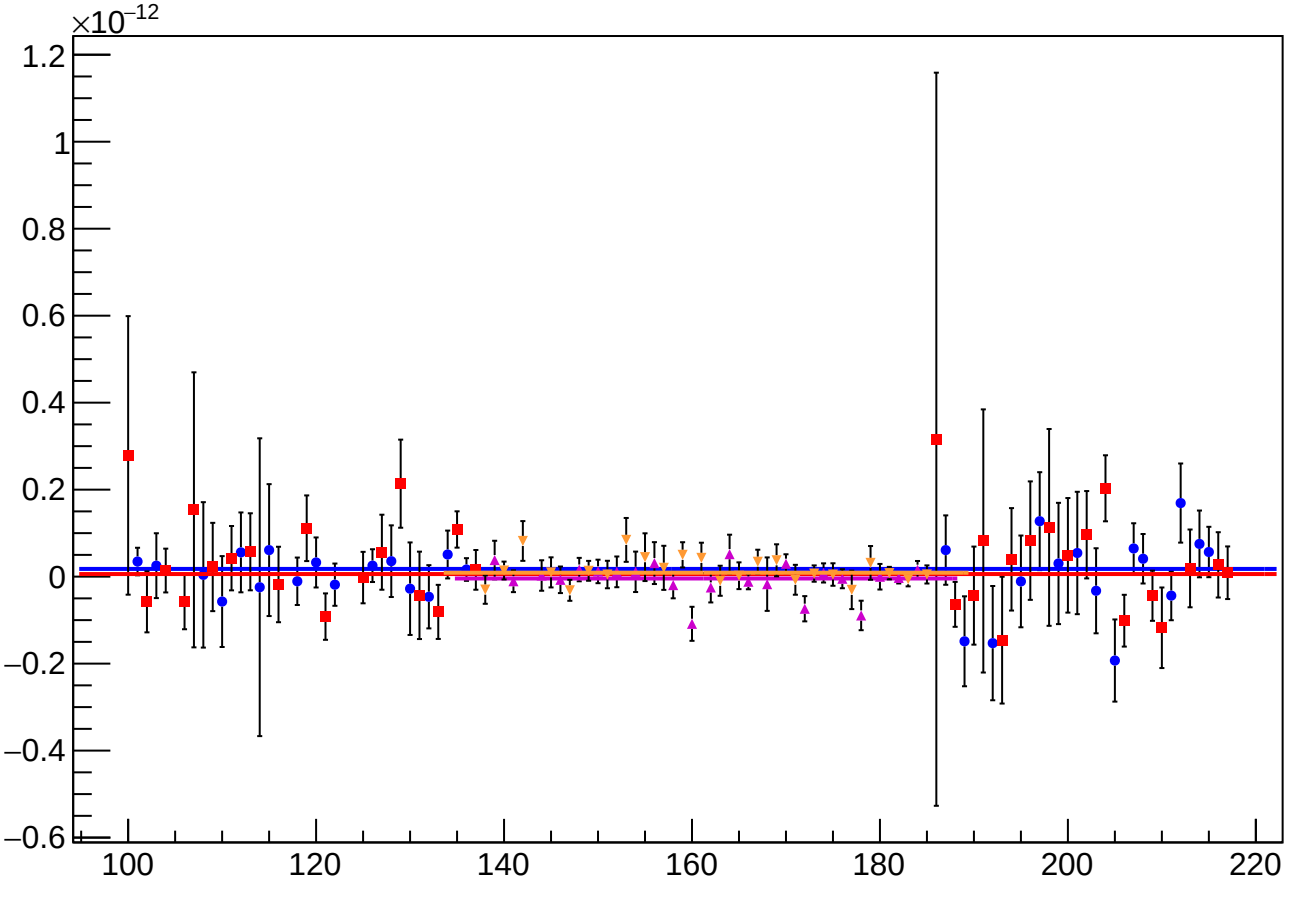
Right Out: 1499.521+/-0.238 χ^2/NDF: 1153026.5/34

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

+ sign 1617.171+/-0.189 χ^2/NDF: 2288987.0/54

All: 1625.715+/-0.134 χ^2/NDF: 4826228.1/11

- sign 1634.227+/-0.189 χ^2/NDF: 2533165.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/30

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/34

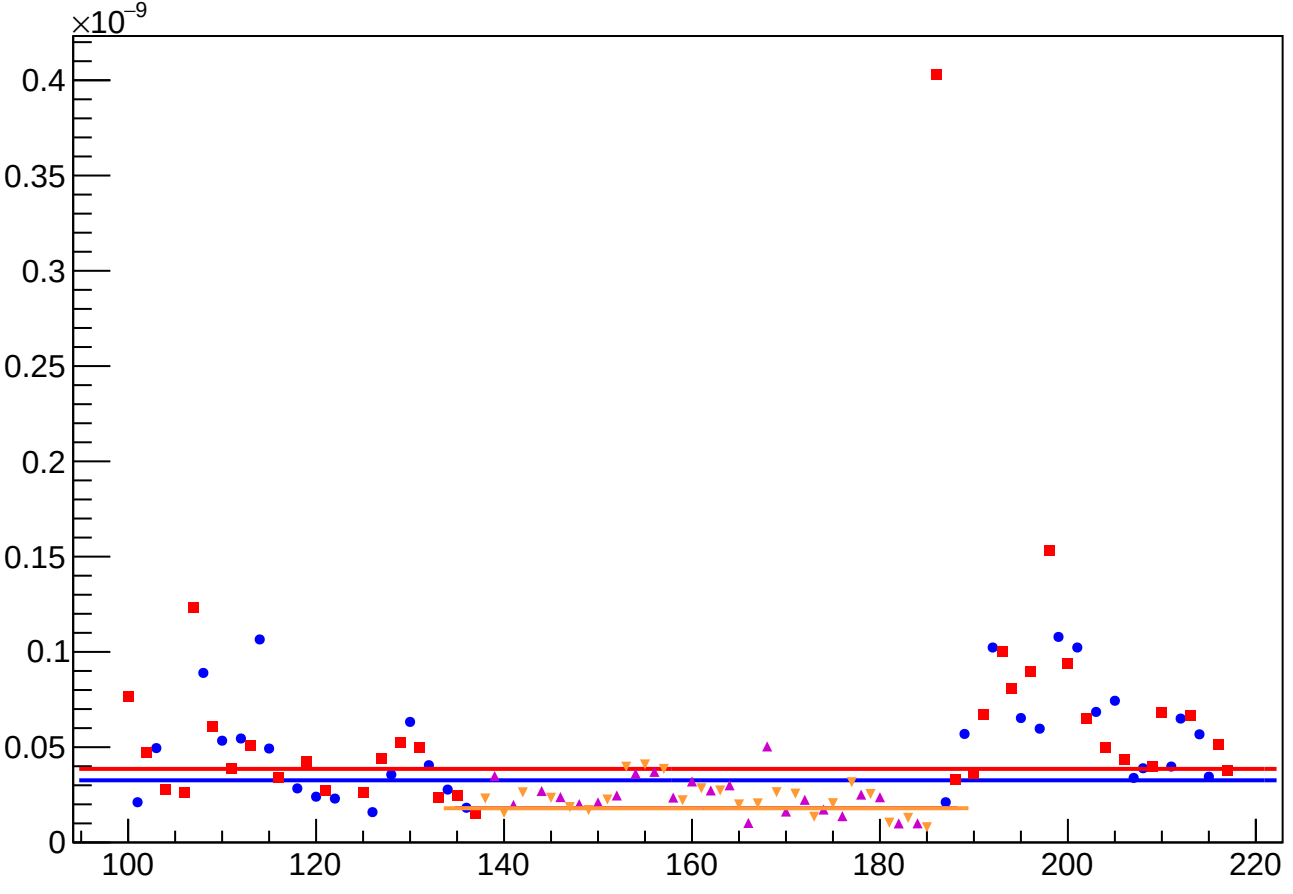
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.2/54

All: 0.000+/-0.000 χ^2/NDF: 108.4/112

- sign -0.000+/-0.000 χ^2/NDF: 67.7/57

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5519834.1/30

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4469230.6/34

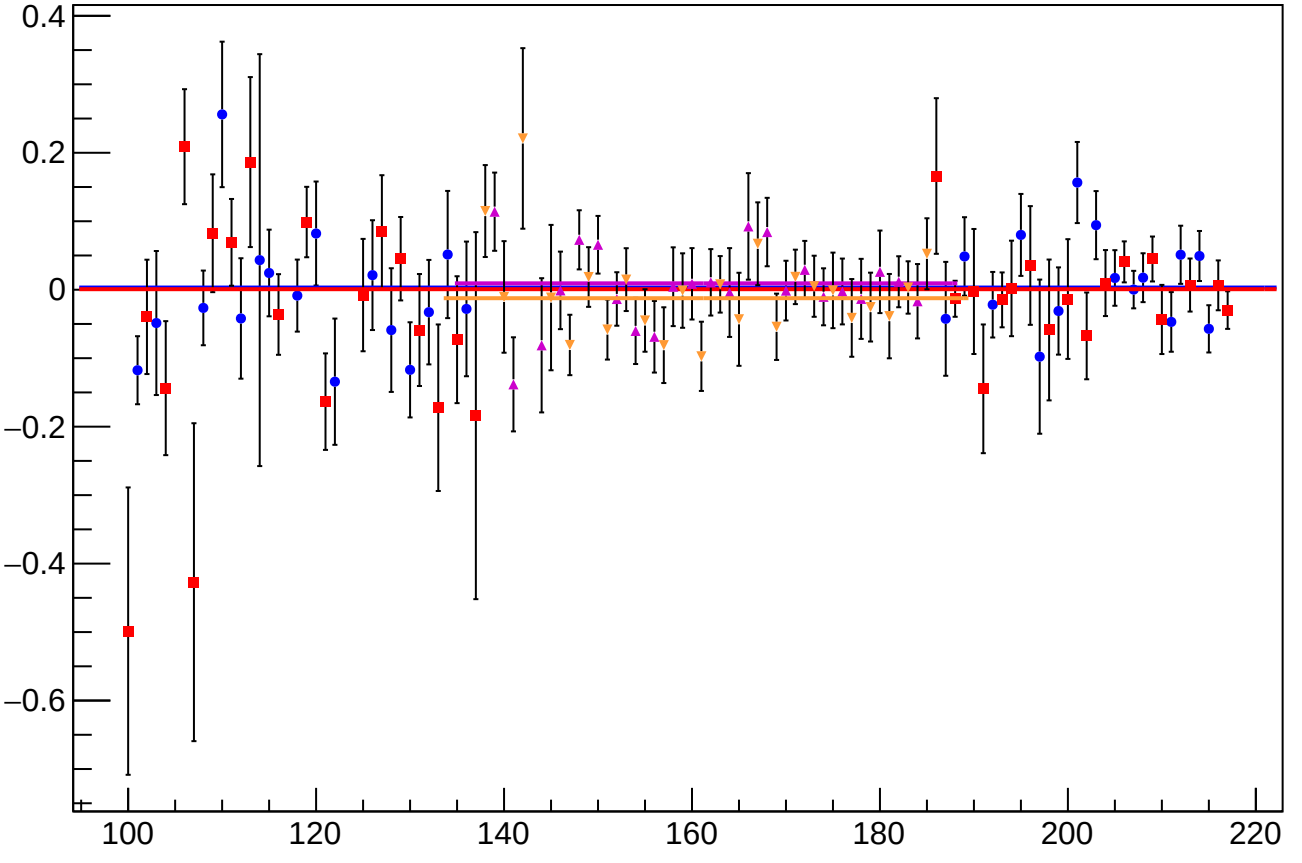
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11722423.8/54

All: 0.000+/-0.000 χ^2/NDF: 24746294.3/112

- sign 0.000+/-0.000 χ^2/NDF: 13011310.6/57

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

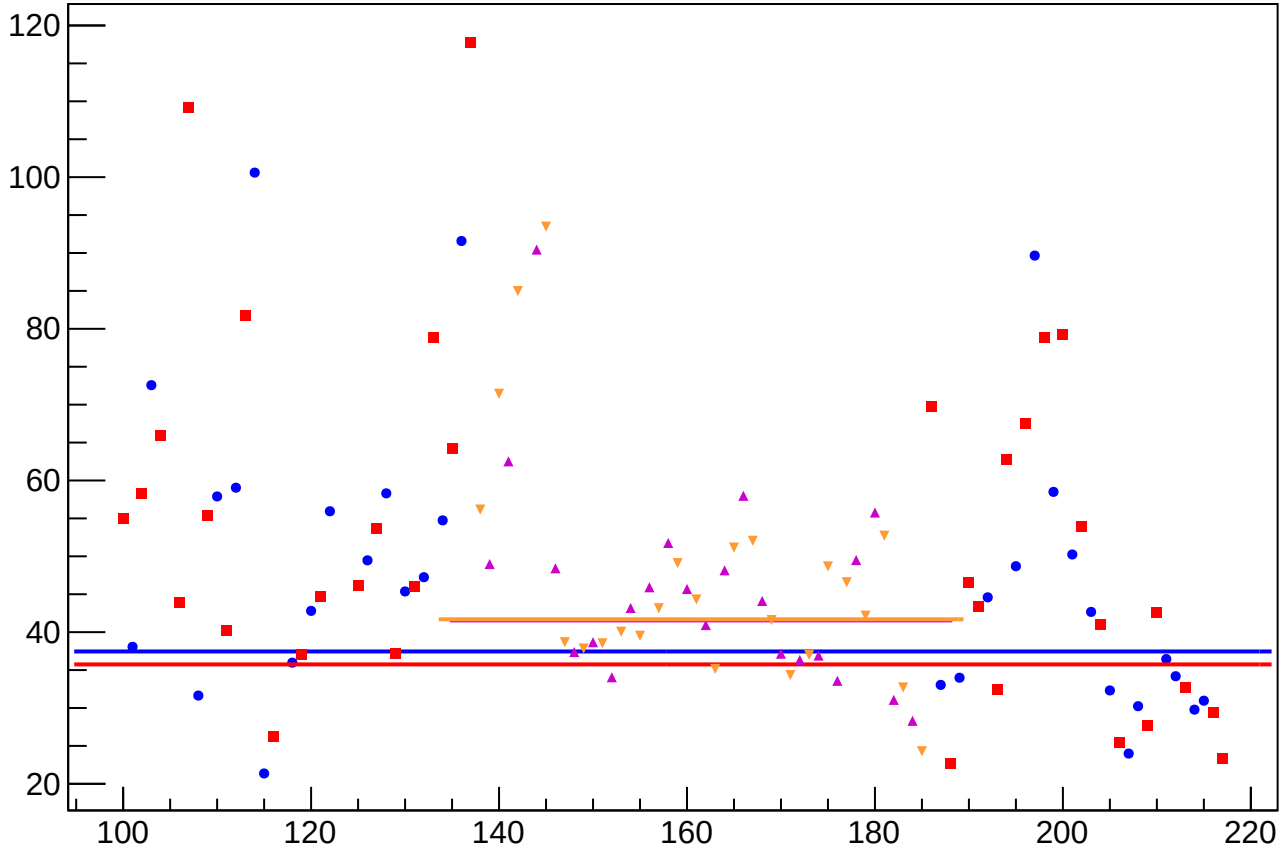
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.6/54

All: 0.000+/-0.005 χ^2/NDF: 136.6/112

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 37.454+/-0.007 χ^2/NDF: 3296448.5/30

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

Right Out: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

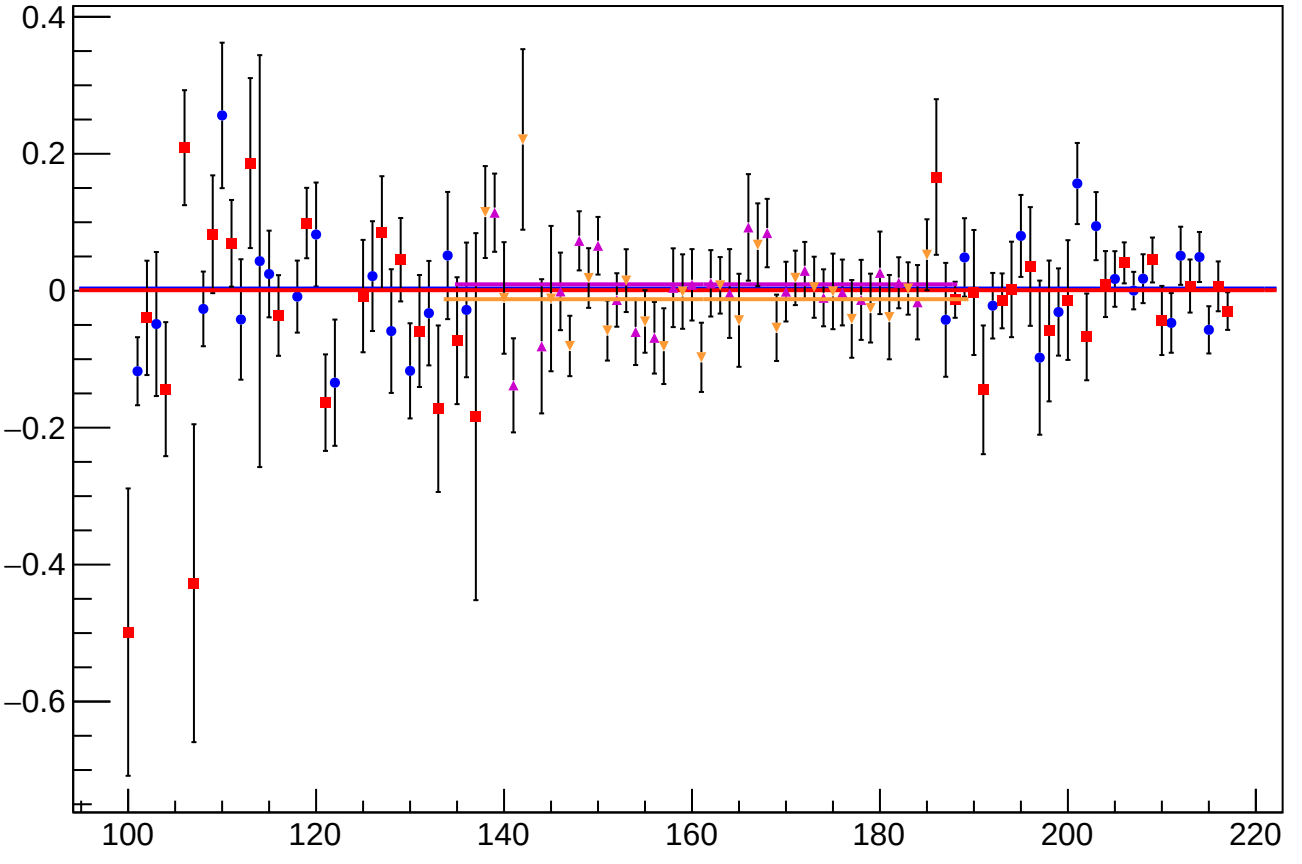
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 39.429+/-0.005 χ^2/NDF: 5292740.9/54

All: 38.858+/-0.004 χ^2/NDF: 12304074.7/112

- sign 38.316+/-0.005 χ^2/NDF: 6986524.2/57

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

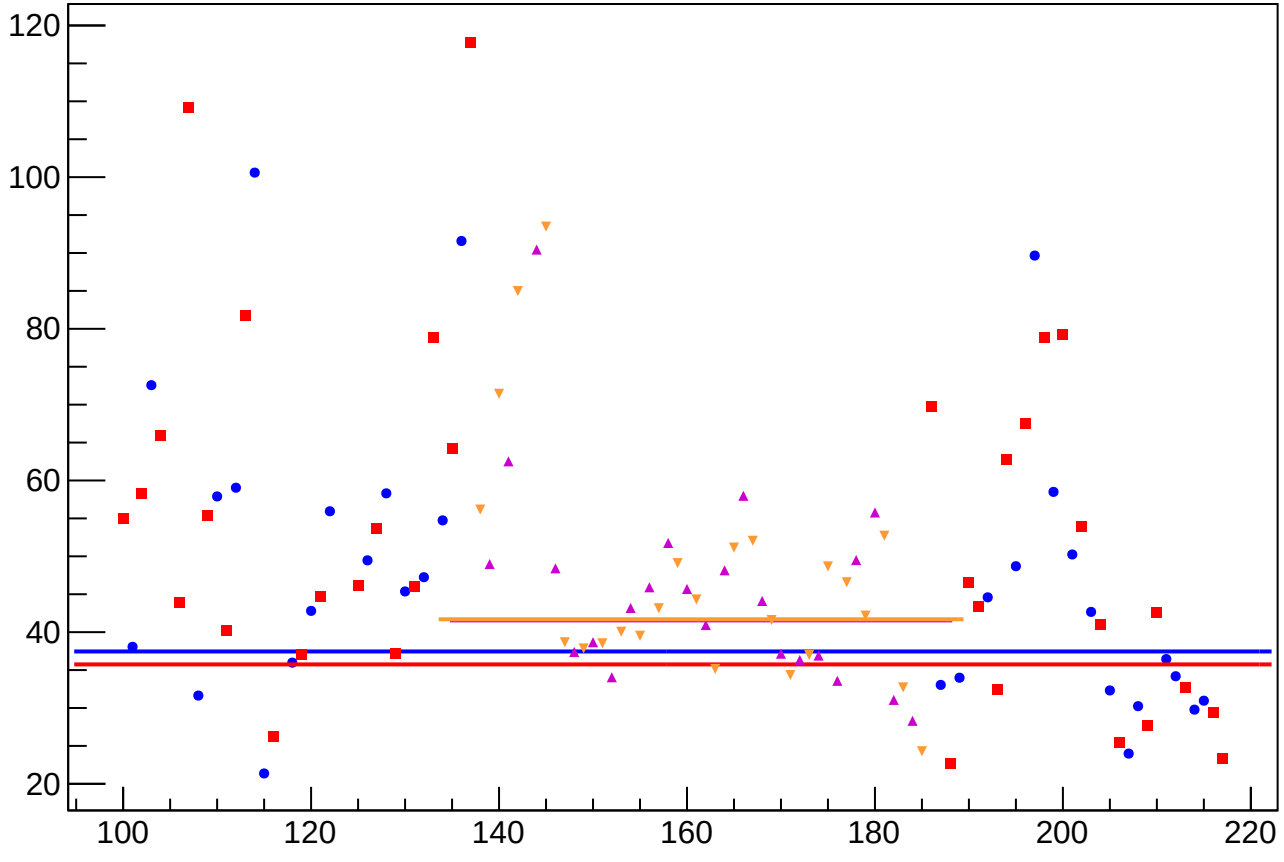
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.6/54

All: 0.000+/-0.005 χ^2/NDF: 136.6/112

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.454+/-0.007 χ^2/NDF: 3296448.5/30

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

Right Out: 35.747+/-0.007 χ^2/NDF: 5031716.8/34

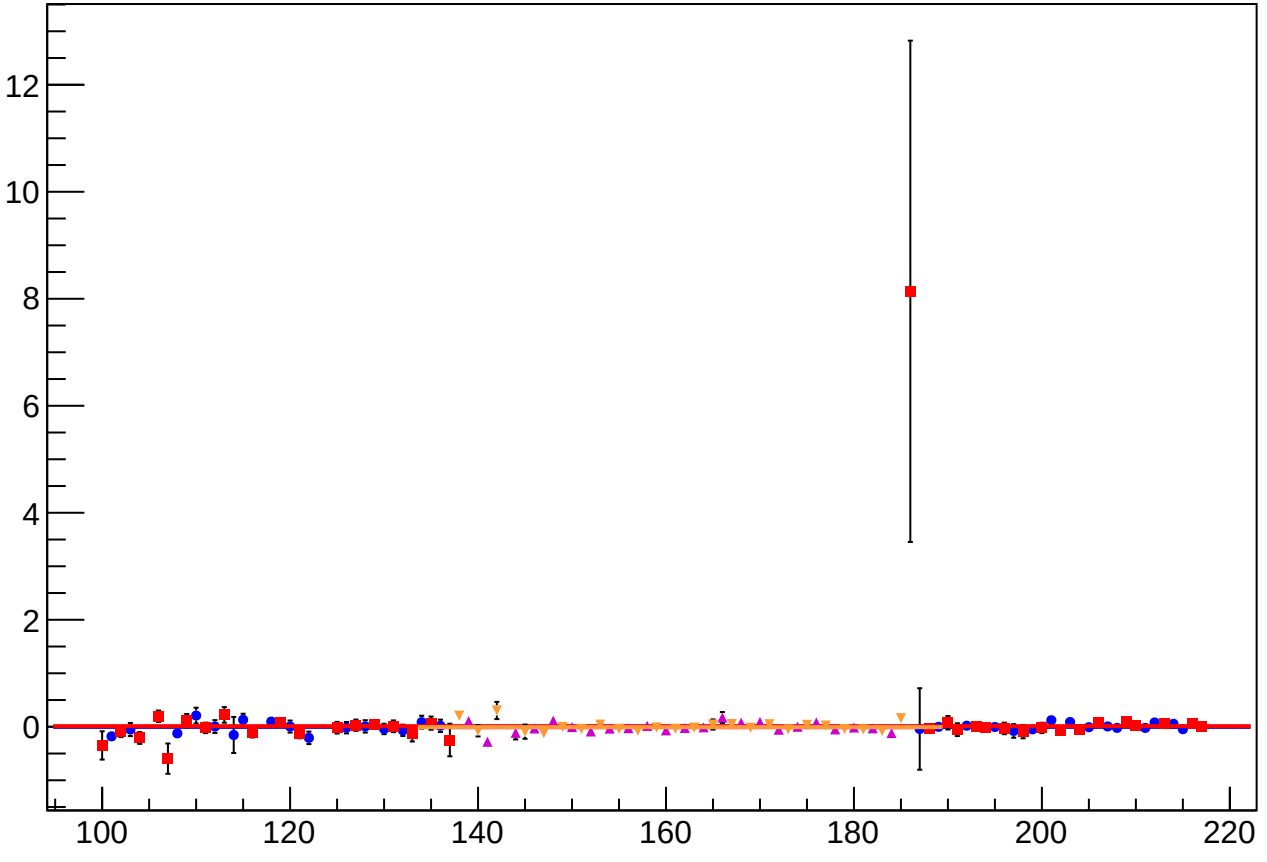
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 39.429+/-0.005 χ^2/NDF: 5292740.9/54

All: 38.858+/-0.004 χ^2/NDF: 12304074.7/112

- sign 38.316+/-0.005 χ^2/NDF: 6986524.2/57

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 28.2/30

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.014 χ^2/NDF: 38.1/34

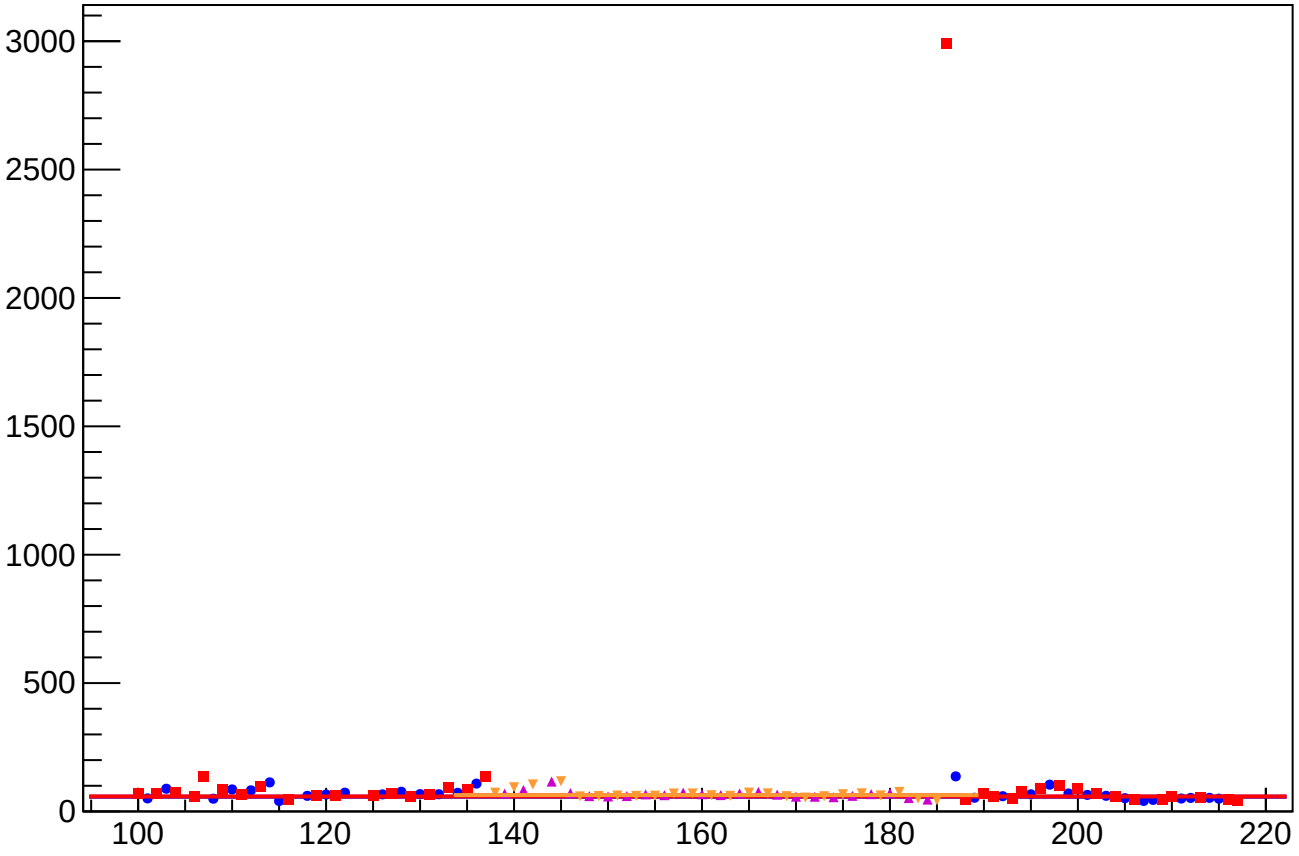
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.004+/-0.010 χ^2/NDF: 51.9/54

All: -0.001+/-0.007 χ^2/NDF: 119.1/112

- sign 0.003+/-0.010 χ^2/NDF: 67.0/57

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.441+/-0.010 χ^2/NDF: 1905224.9/30

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 58.347+/-0.010 χ^2/NDF: 3093401.2/34

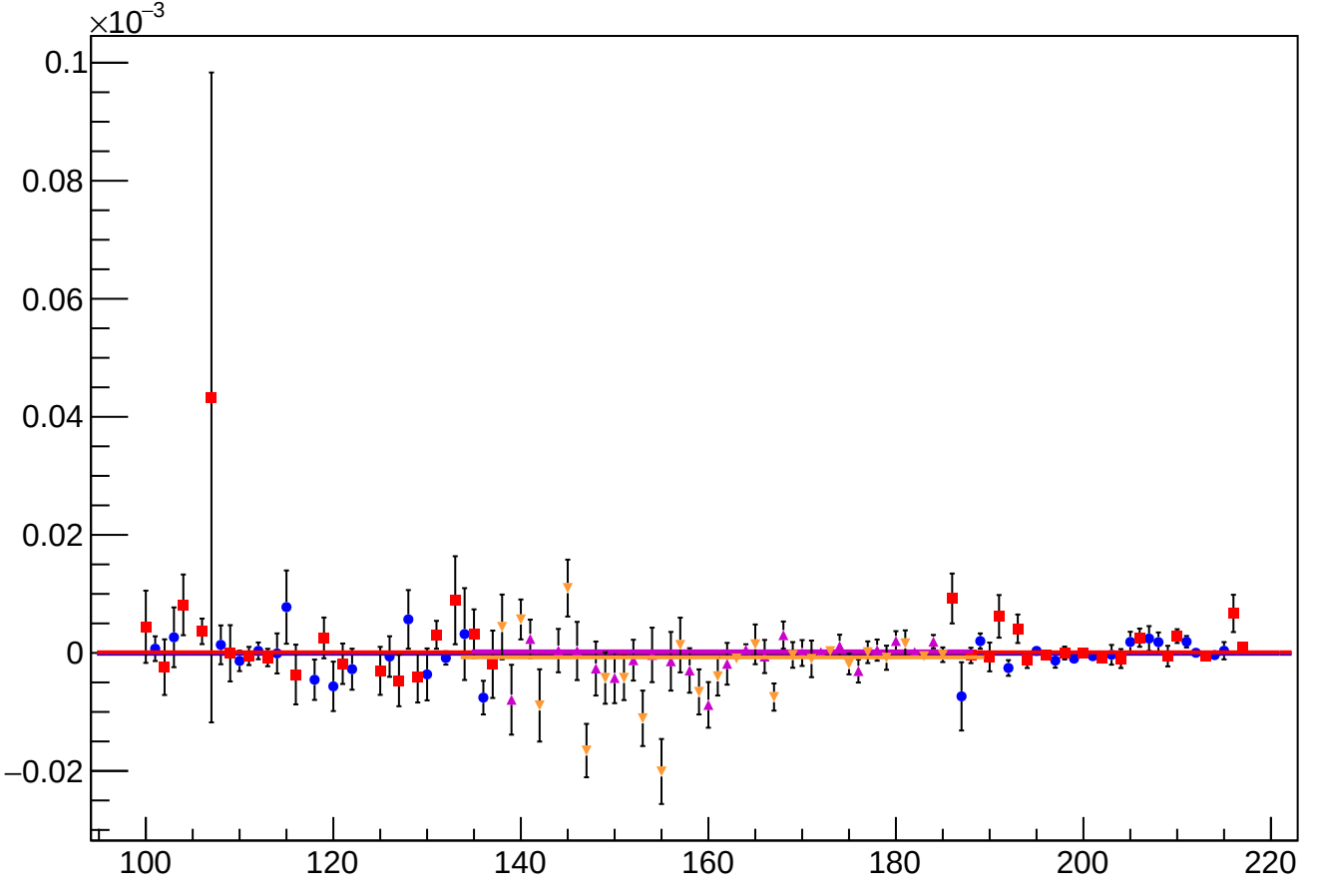
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 60.340+/-0.007 χ^2/NDF: 3167649.7/54

All: 60.629+/-0.005 χ^2/NDF: 7250747.5/112

- sign 60.918+/-0.007 χ^2/NDF: 4080014.5/57

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 51.5/34

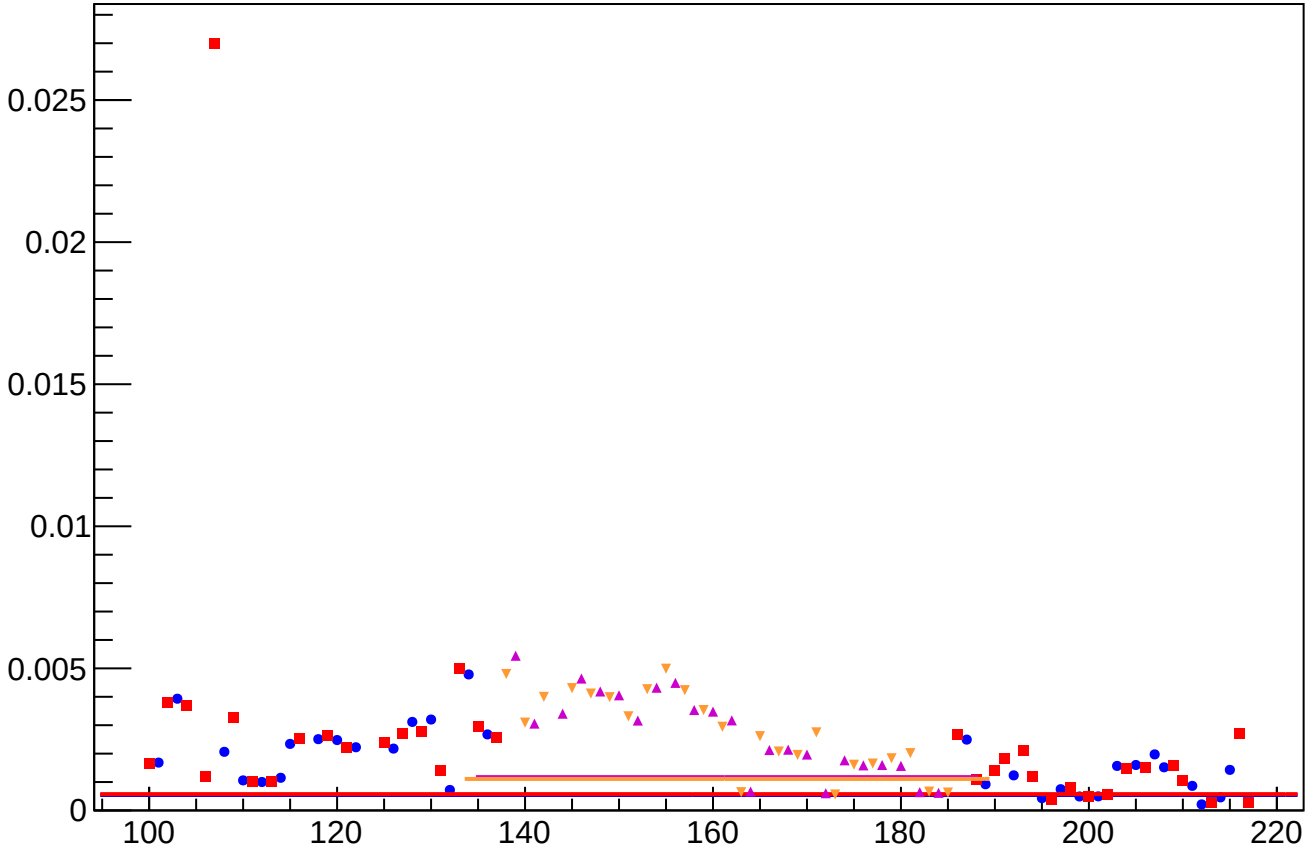
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.6/54

All: -0.000+/-0.000 χ^2/NDF: 174.1/112

- sign 0.000+/-0.000 χ^2/NDF: 70.5/57

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15593265.0/30

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 16854202.9/34

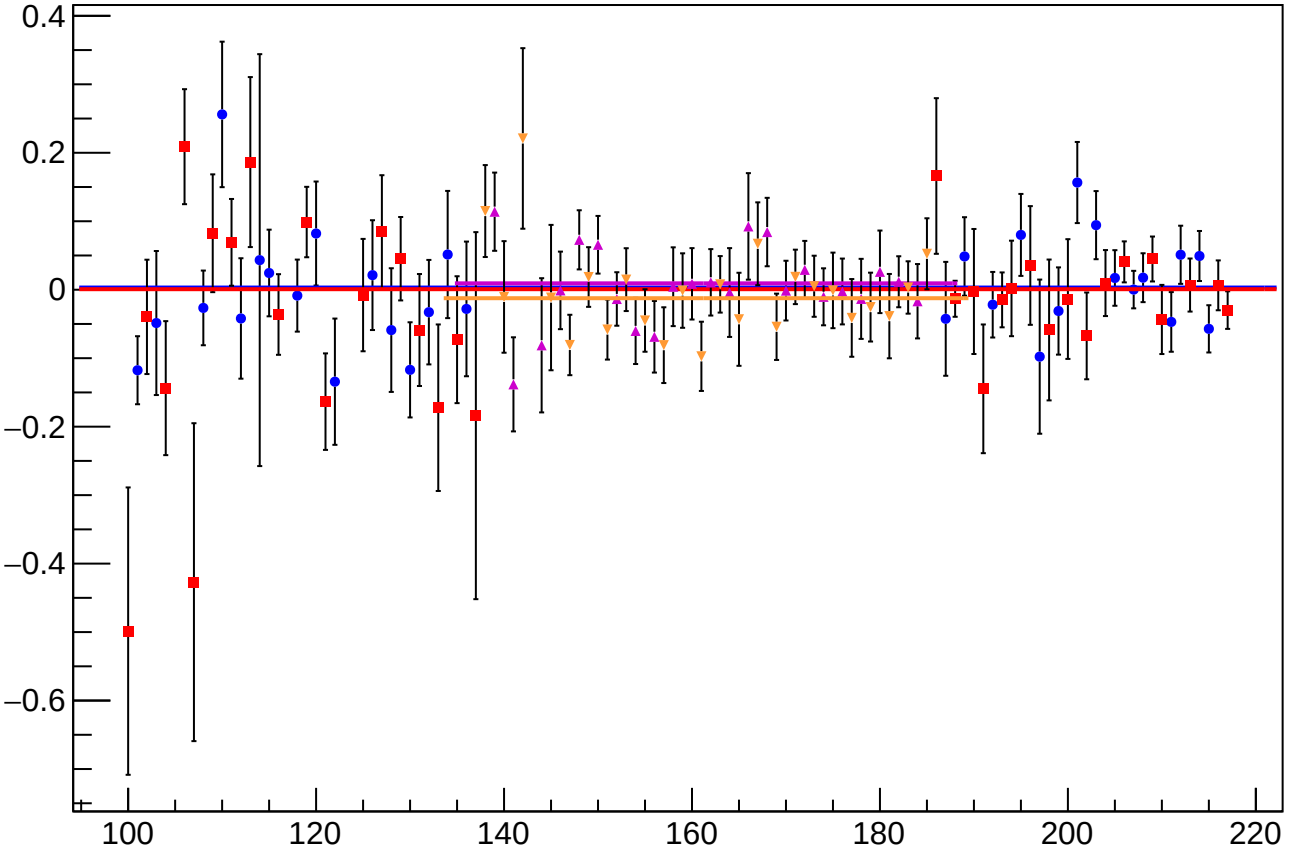
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 35112808.6/54

All: 0.001+/-0.000 χ^2/NDF: 70690326.7/112

- sign 0.001+/-0.000 χ^2/NDF: 35516652.9/57

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

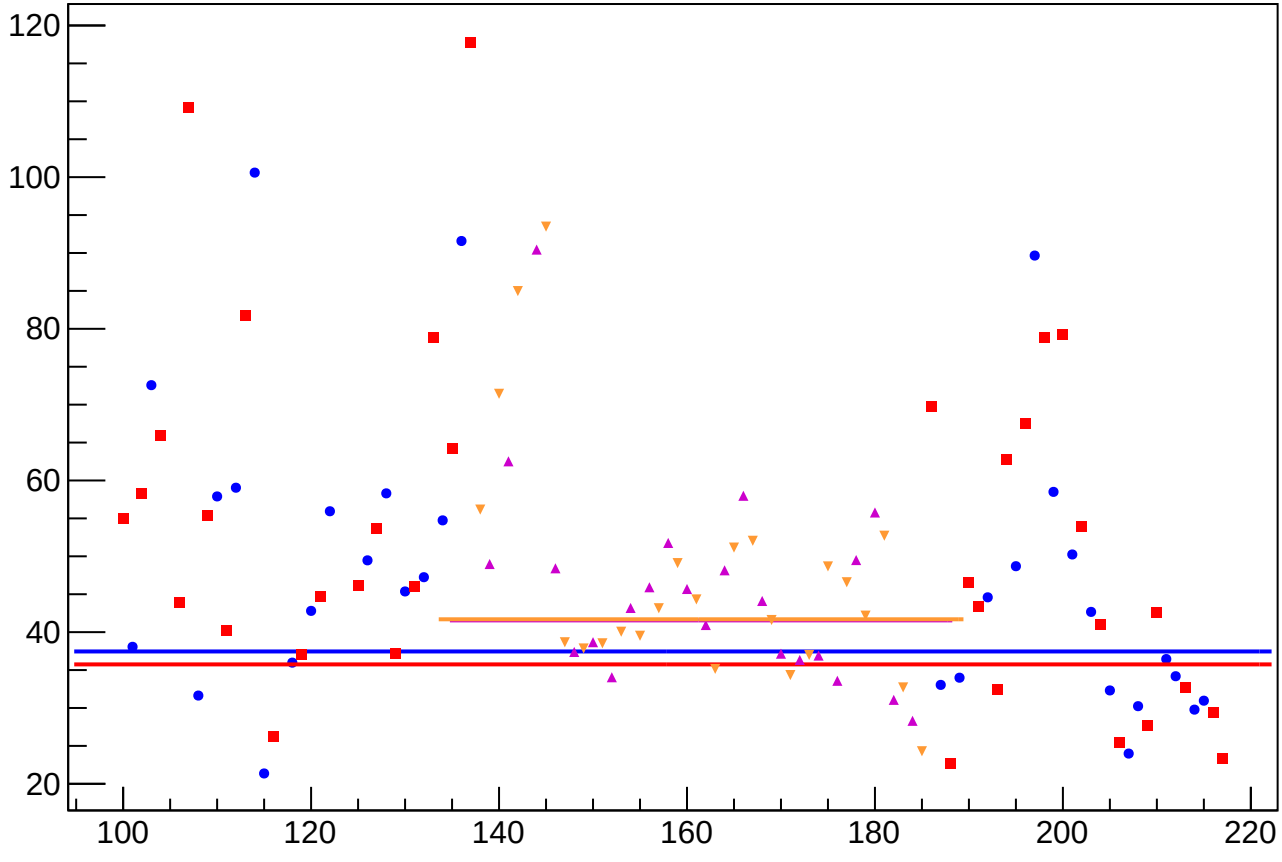
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.6/54

All: 0.000+/-0.005 χ^2/NDF: 136.6/112

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 37.454+/-0.007 χ^2/NDF: 3296432.7/30

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

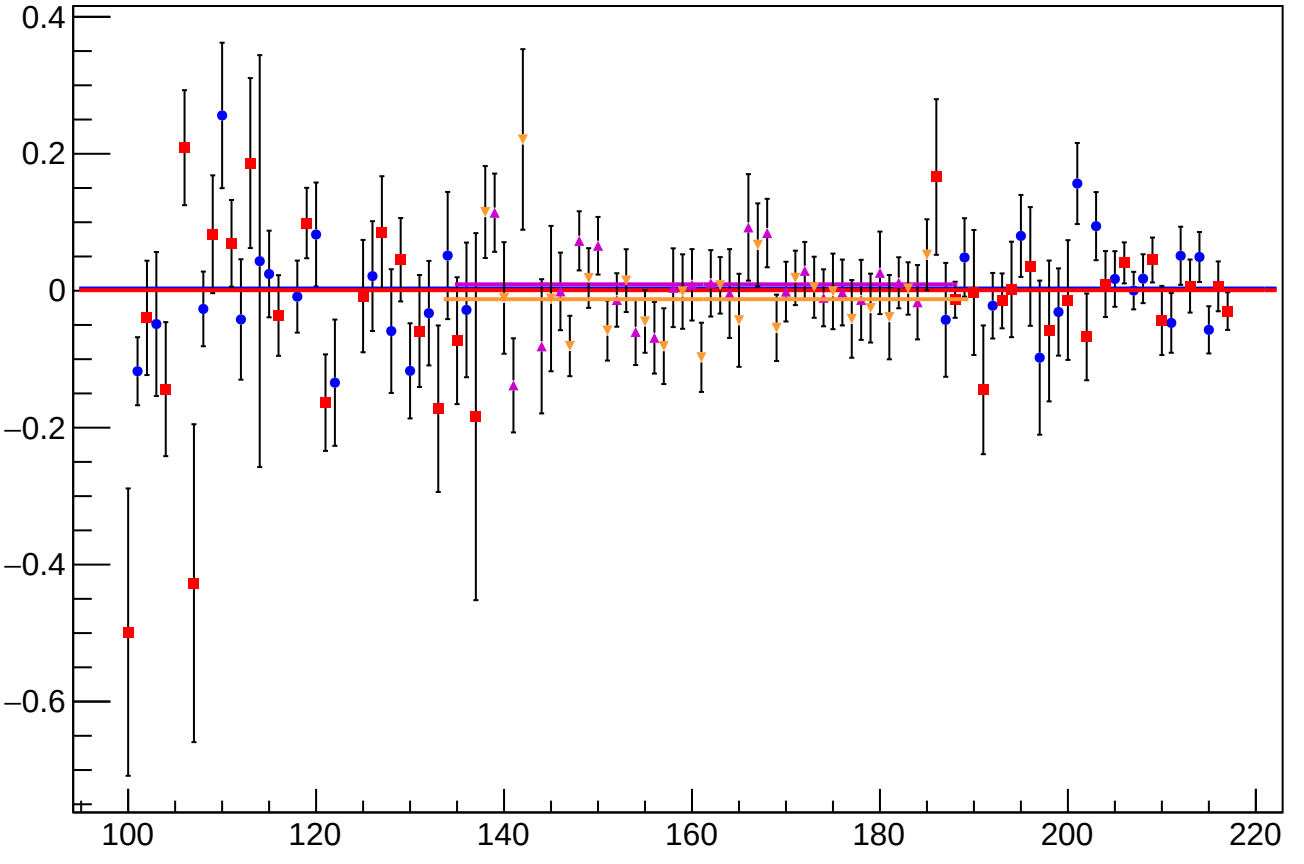
Right Out: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

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

+ sign 39.429+/-0.005 χ^2/NDF: 5292714.8/54

All: 38.858+/-0.004 χ^2/NDF: 12303963.4/112

- sign 38.316+/-0.005 χ^2/NDF: 6986443.6/57



Right In: 0.003+/-0.010 χ^2/NDF: 41.5/30

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

Right Out: 0.001+/-0.009 χ^2/NDF: 48.9/34

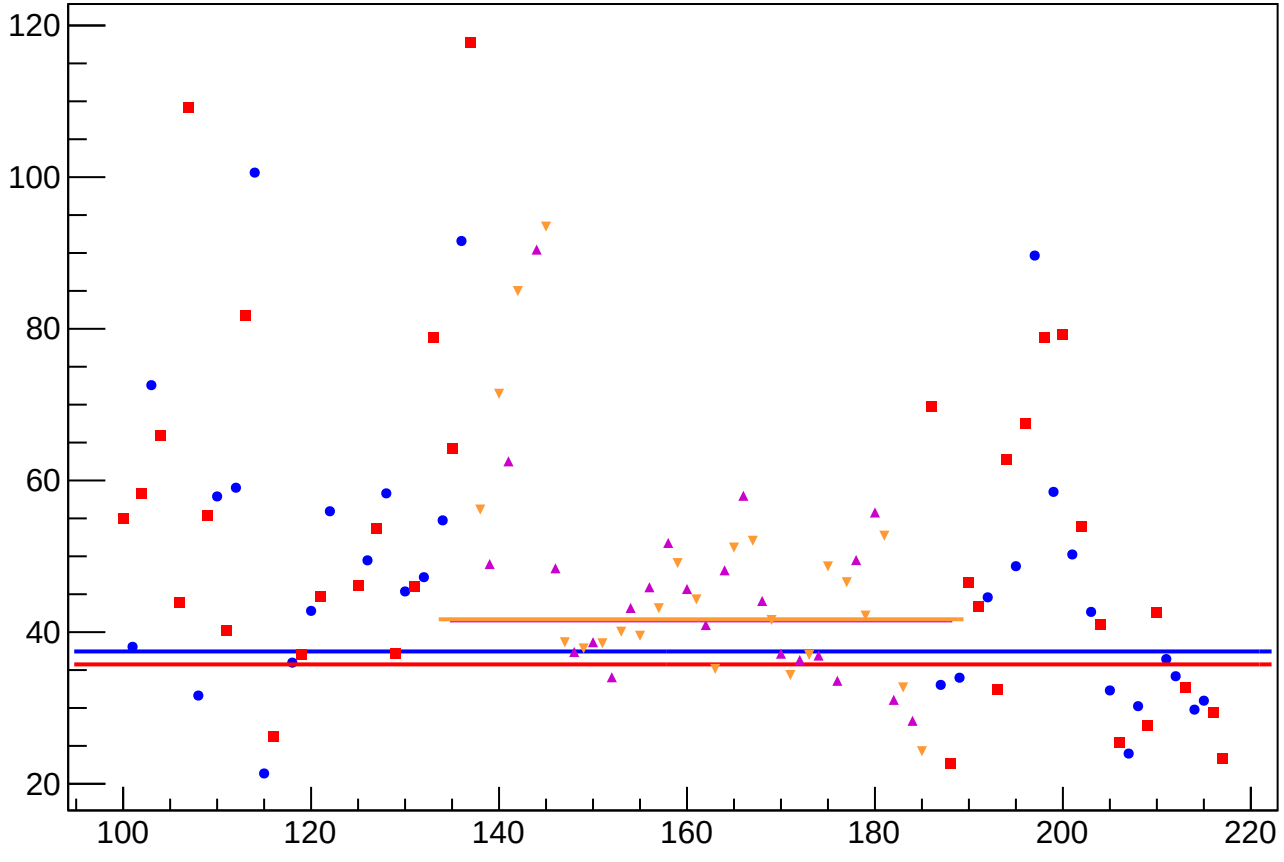
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.004+/-0.007 χ^2/NDF: 64.6/54

All: 0.000+/-0.005 χ^2/NDF: 136.6/112

- sign 0.005+/-0.007 χ^2/NDF: 71.2/57

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 37.454+/-0.007 χ^2/NDF: 3296432.7/30

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 35.747+/-0.007 χ^2/NDF: 5031631.6/34

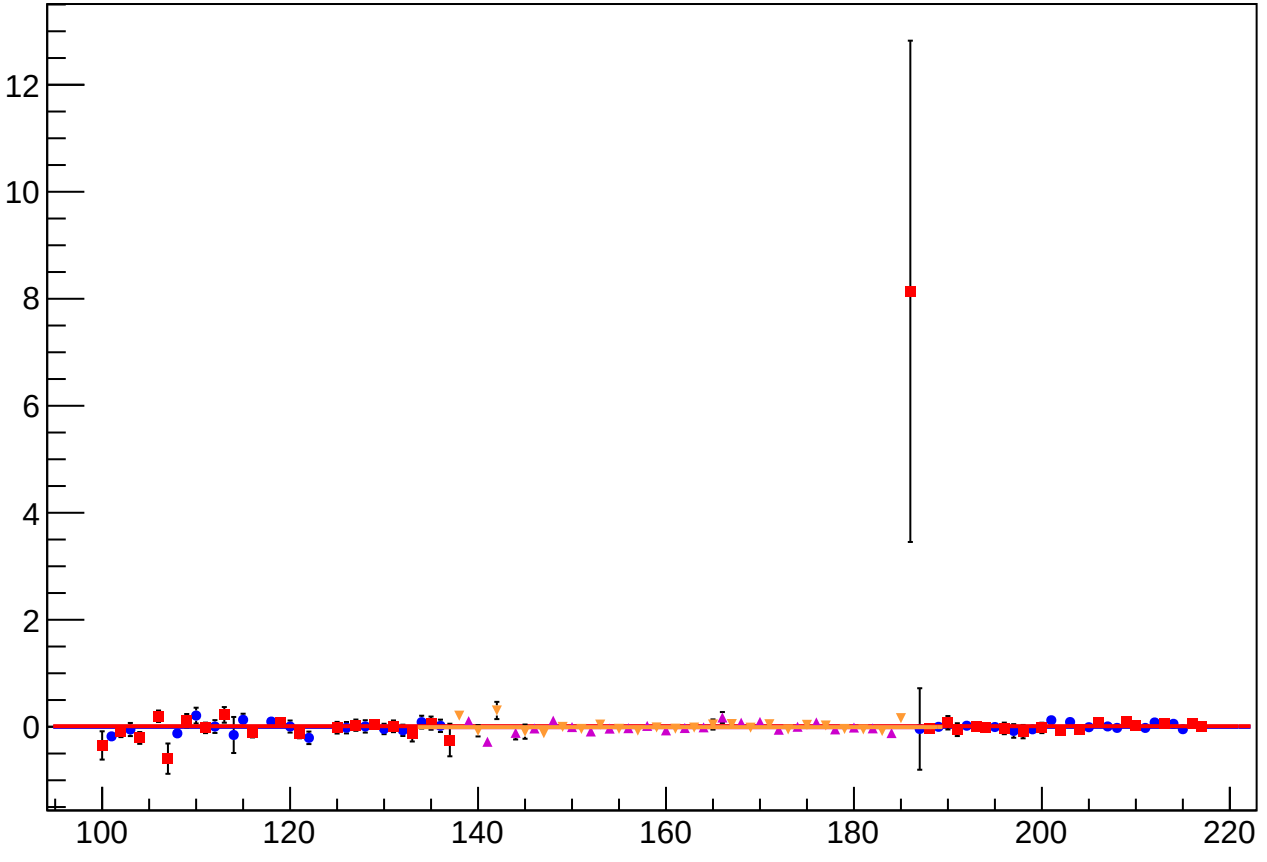
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 39.429+/-0.005 χ^2/NDF: 5292714.8/54

All: 38.858+/-0.004 χ^2/NDF: 12303963.4/112

- sign 38.316+/-0.005 χ^2/NDF: 6986443.6/57

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 28.2/30

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.011+/-0.014 χ^2/NDF: 38.1/34

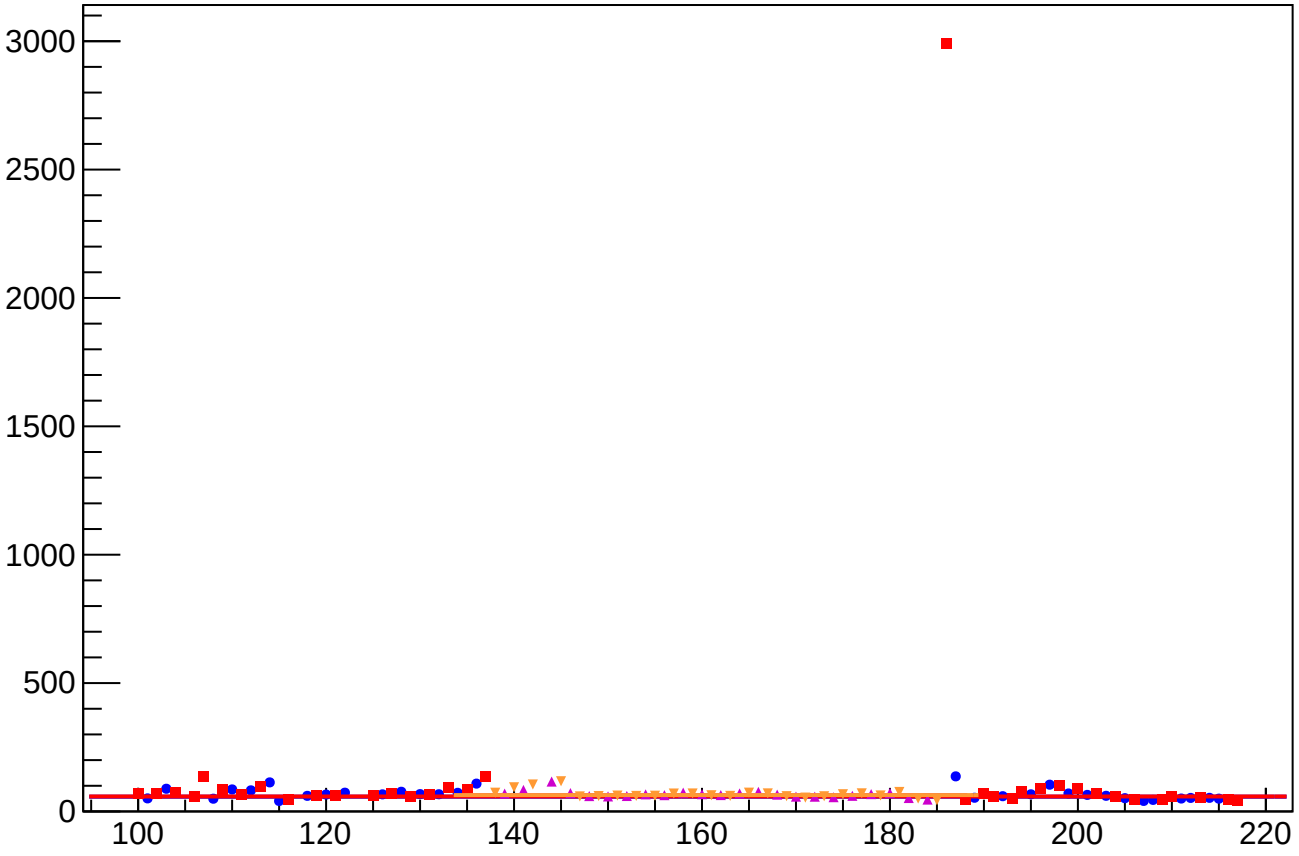
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.004+/-0.010 χ^2/NDF: 51.9/54

All: -0.001+/-0.007 χ^2/NDF: 119.1/112

- sign 0.003+/-0.010 χ^2/NDF: 67.0/57

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 57.441+/-0.010 χ^2/NDF: 1905219.3/30

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 58.346+/-0.010 χ^2/NDF: 3093383.7/34

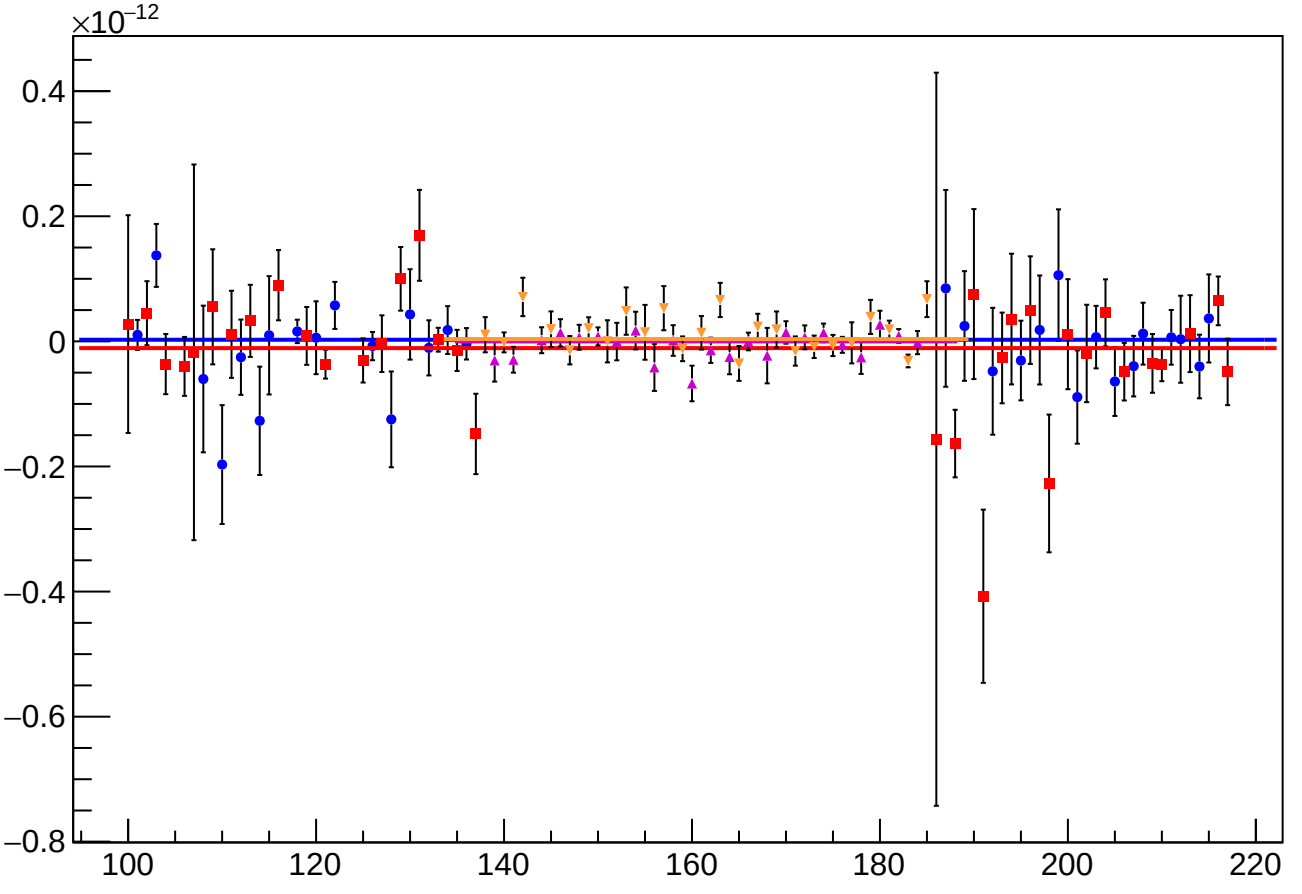
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 60.340+/-0.007 χ^2/NDF: 3167645.4/54

All: 60.629+/-0.005 χ^2/NDF: 7250741.0/112

- sign 60.918+/-0.007 χ^2/NDF: 4080012.7/57

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/34

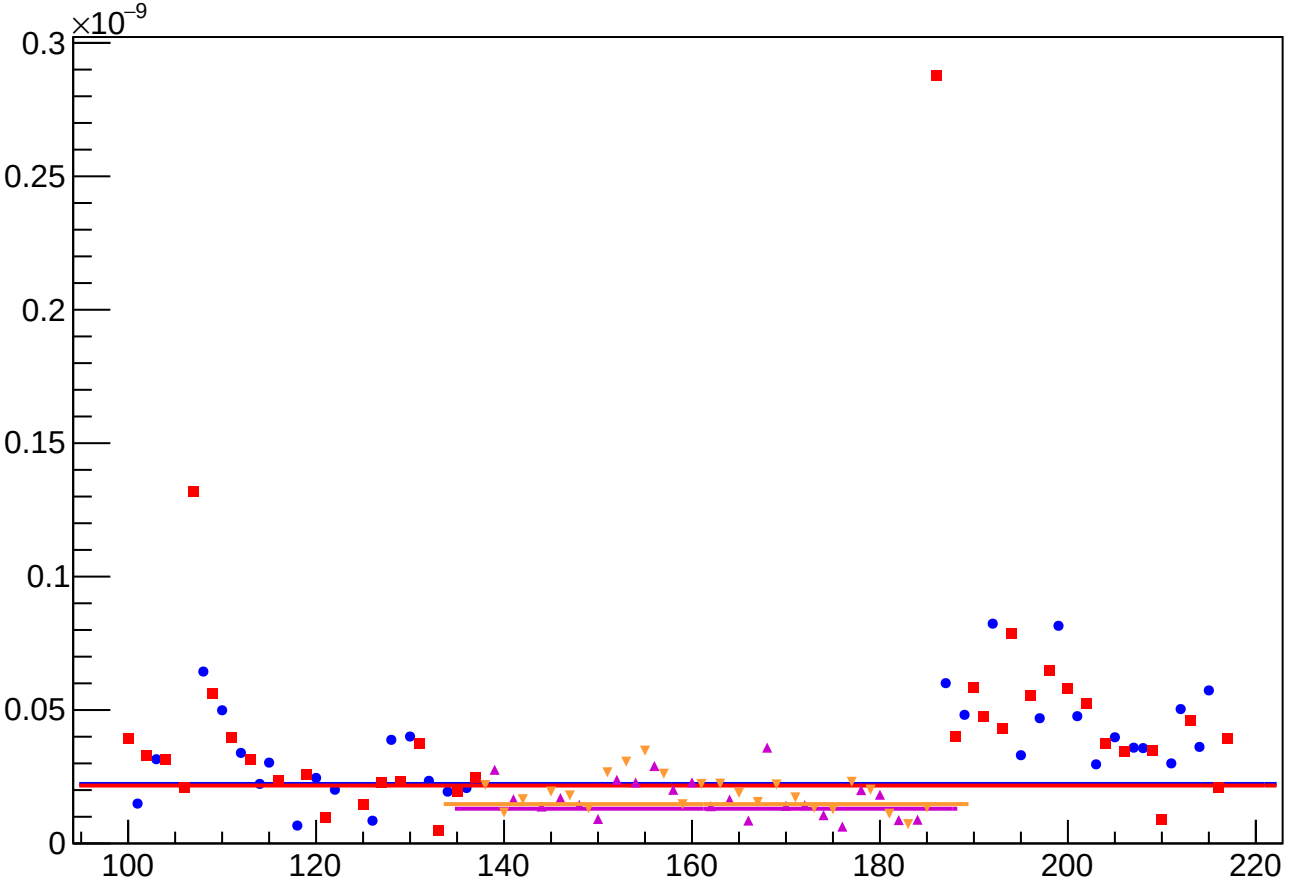
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.9/54

All: 0.000+/-0.000 χ^2/NDF: 140.4/112

- sign -0.000+/-0.000 χ^2/NDF: 71.4/57

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6808168.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

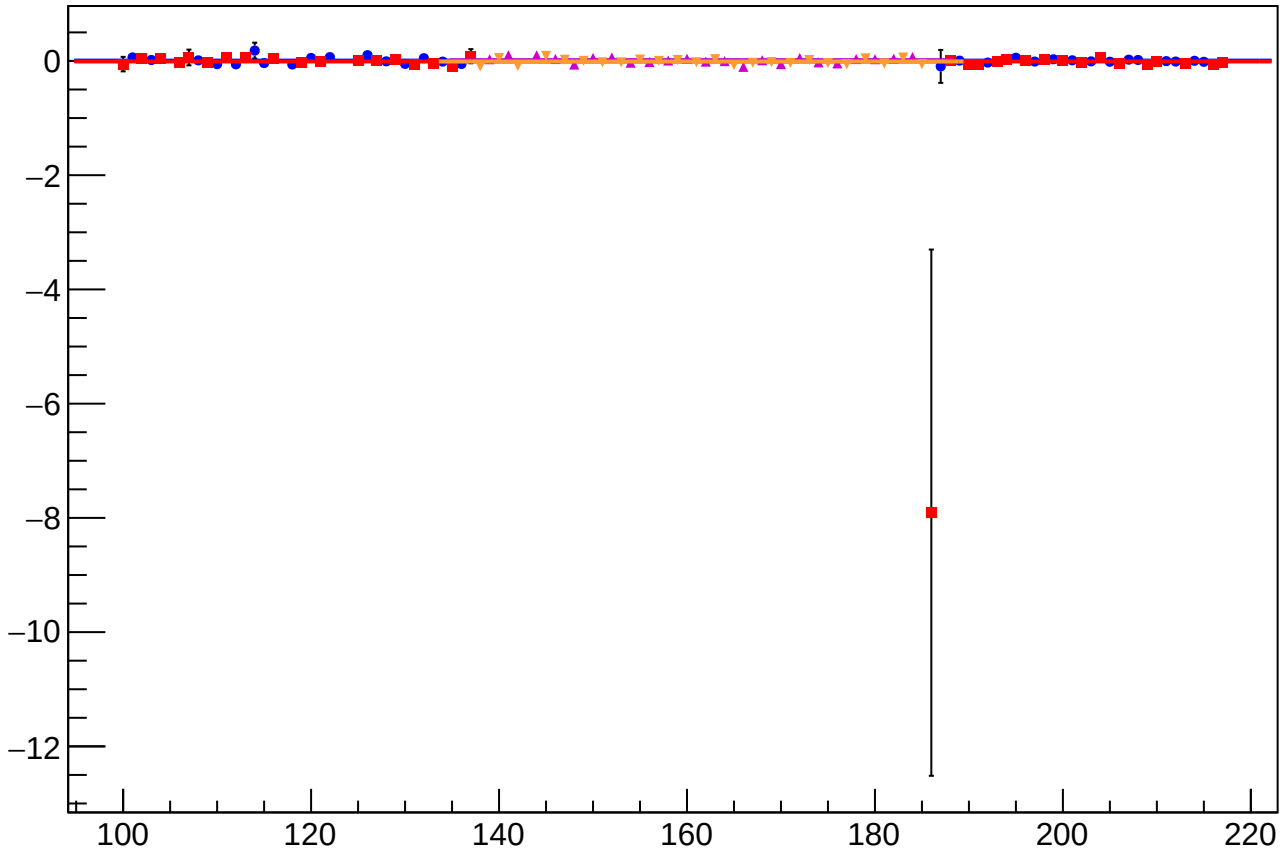
Right Out: 0.000+/-0.000 χ^2/NDF: 7624415.3/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 11706158.3/54

All: 0.000+/-0.000 χ^2/NDF: 25345109.6/112

- sign 0.000+/-0.000 χ^2/NDF: 13430410.2/57



Right In: 0.006+/-0.008 χ^2/NDF: 20.4/30

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.009+/-0.007 χ^2/NDF: 33.1/34

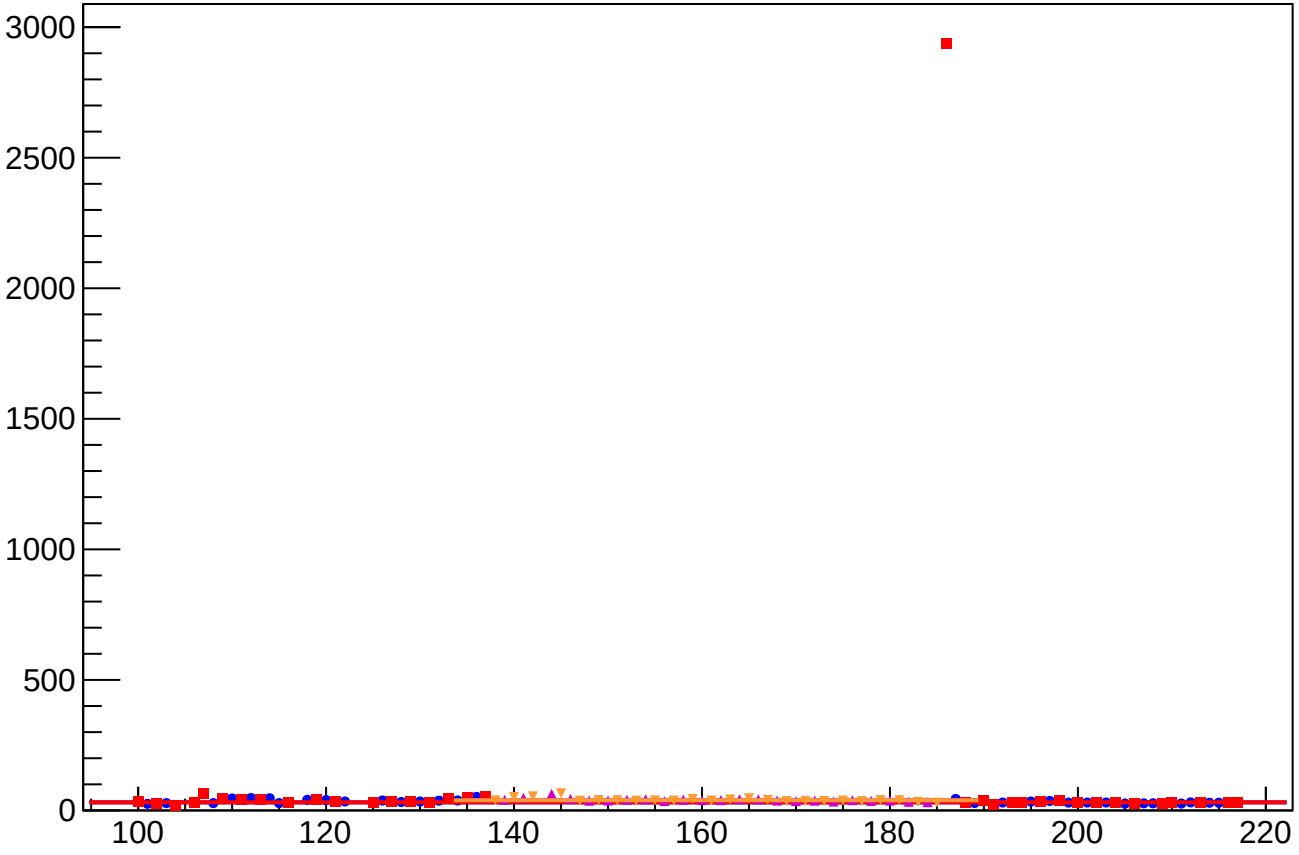
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.5/54

All: -0.001+/-0.004 χ^2/NDF: 100.7/112

- sign -0.001+/-0.006 χ^2/NDF: 59.2/57

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.912+/-0.005 χ^2/NDF: 971524.9/30

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

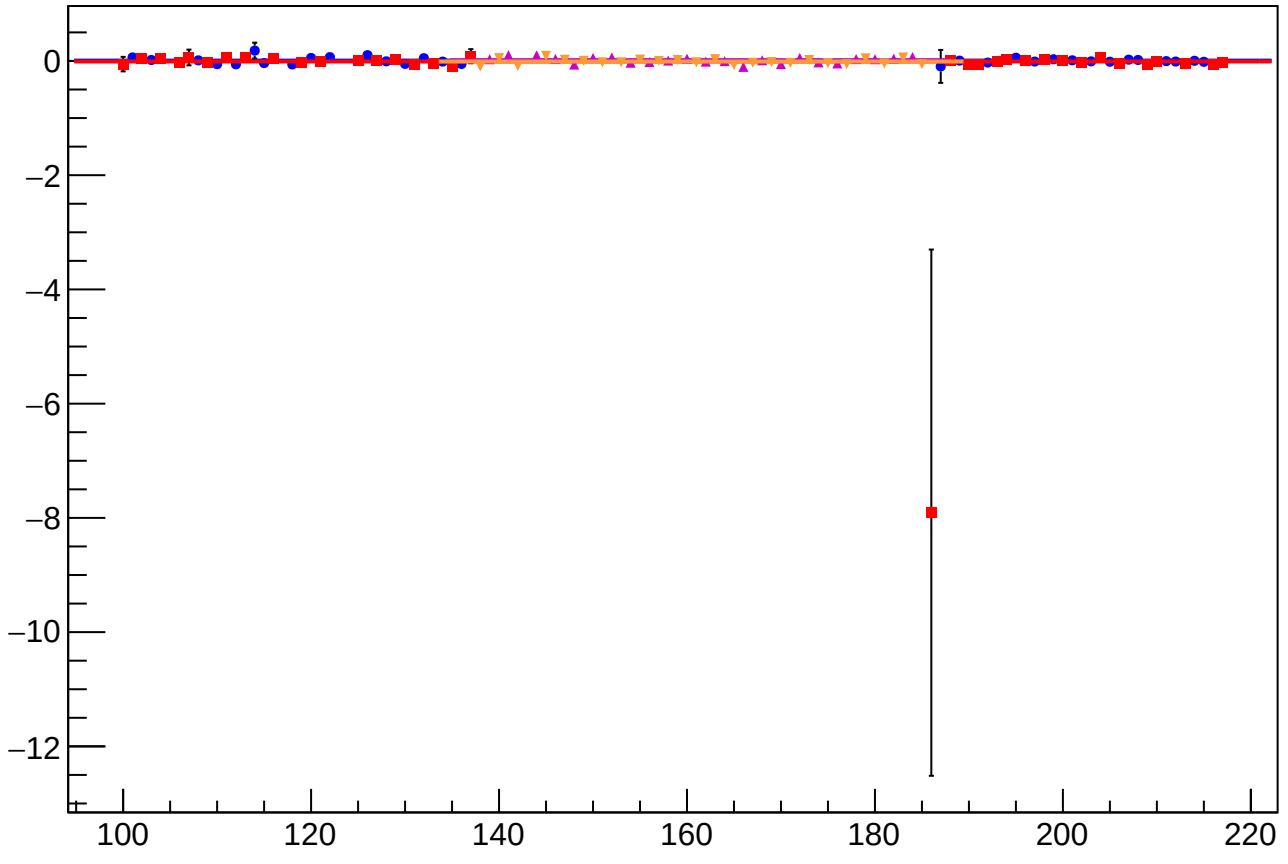
Right Out: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

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

+ sign 34.025+/-0.004 χ^2/NDF: 2486479.0/54

All: 34.105+/-0.003 χ^2/NDF: 5886035.7/112

- sign 34.185+/-0.004 χ^2/NDF: 3398810.6/57



Right In: 0.006+/-0.008 χ^2/NDF: 20.4/30

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.009+/-0.007 χ^2/NDF: 33.1/34

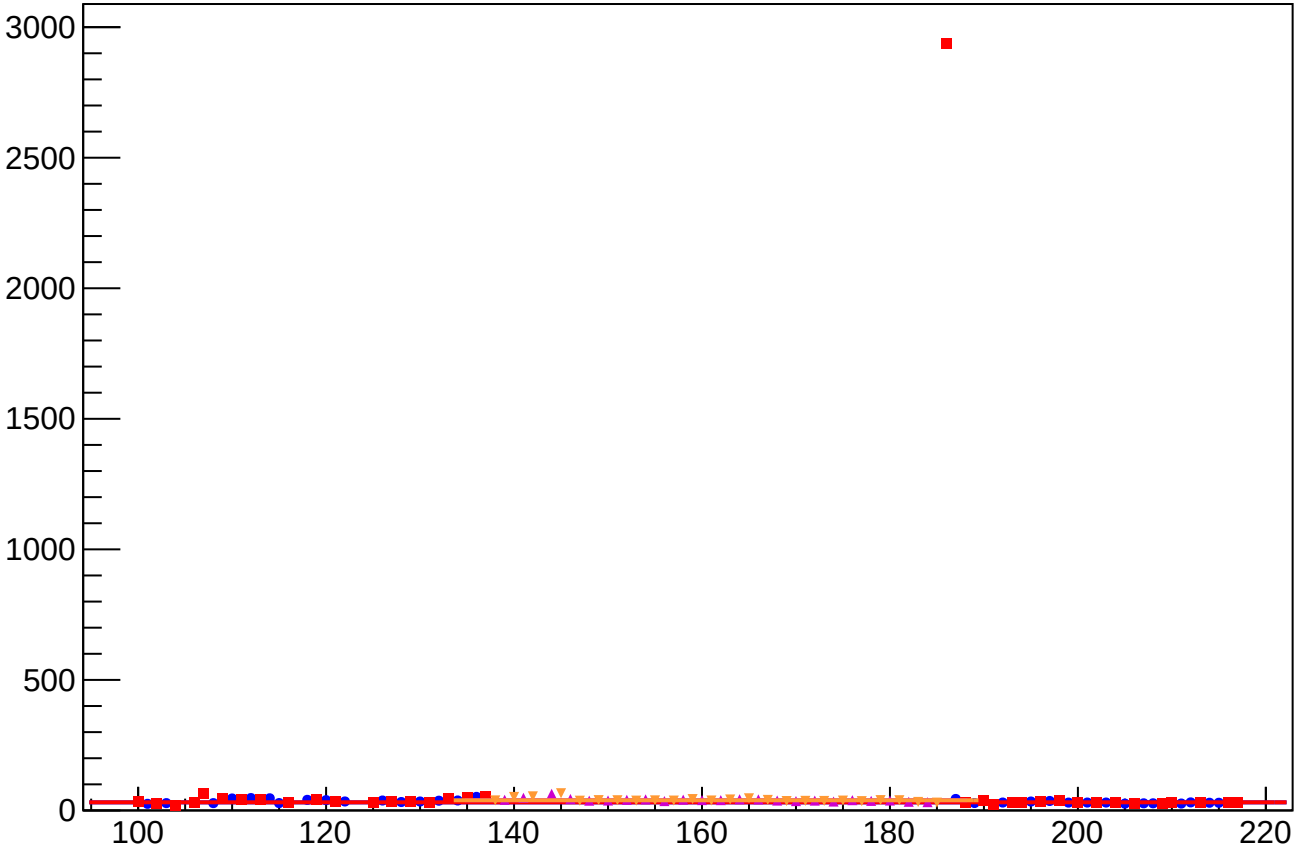
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.5/54

All: -0.001+/-0.004 χ^2/NDF: 100.7/112

- sign -0.001+/-0.006 χ^2/NDF: 59.2/57

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.912+/-0.005 χ^2/NDF: 971524.9/30

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.201+/-0.005 χ^2/NDF: 2005150.7/34

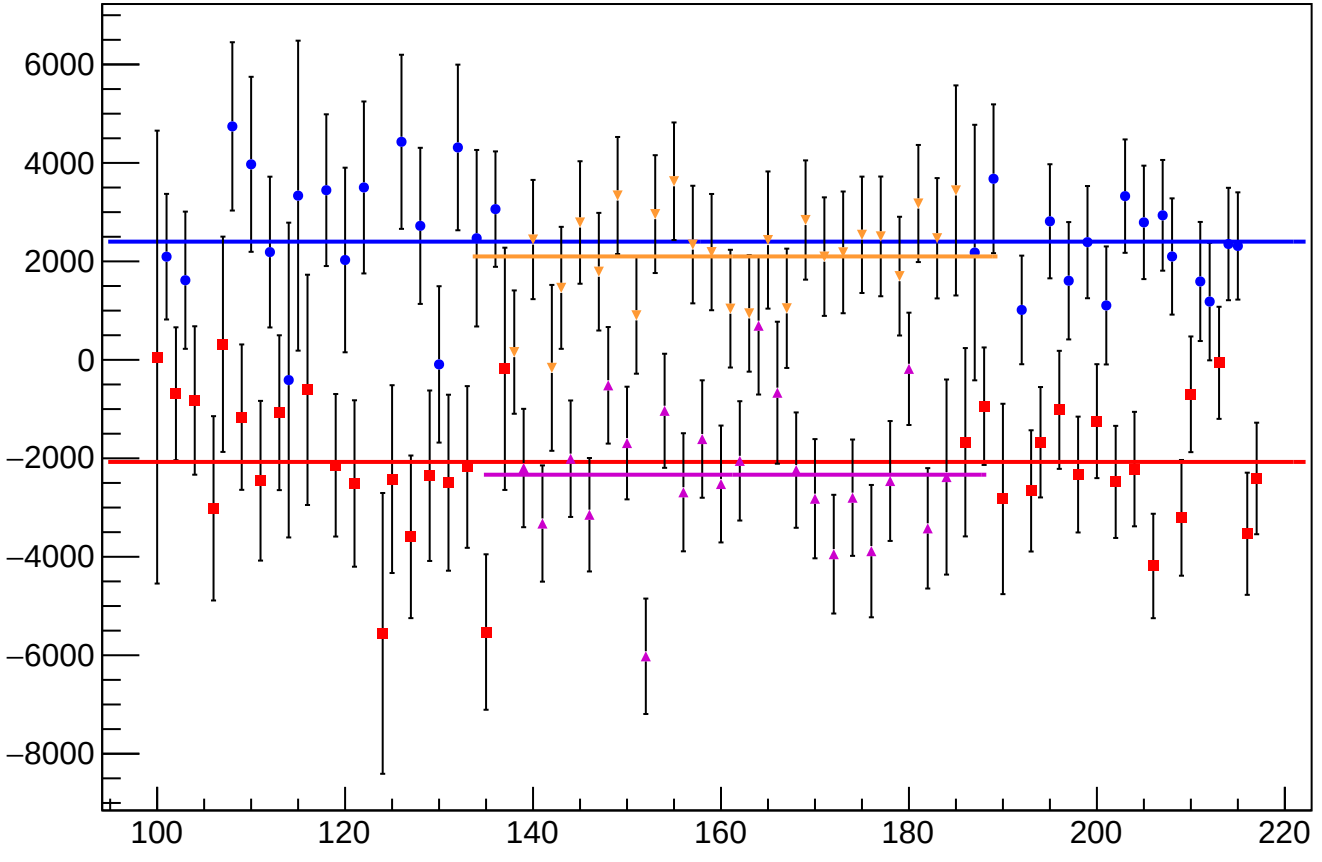
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 34.025+/-0.004 χ^2/NDF: 2486479.0/54

All: 34.105+/-0.003 χ^2/NDF: 5886035.7/112

- sign 34.185+/-0.004 χ^2/NDF: 3398810.6/57

reg_asym_usr_mean vs Slug



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

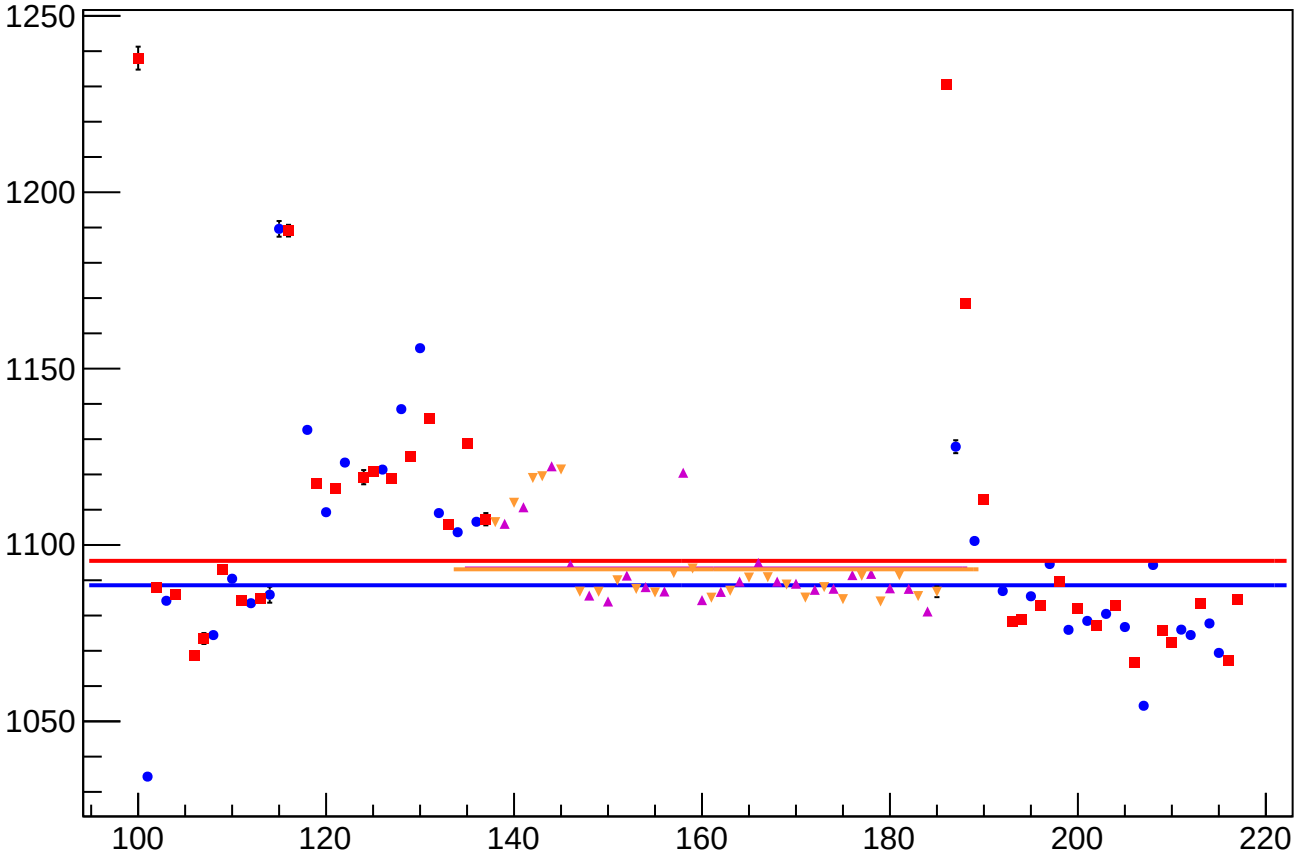
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.031+/-175.393 χ^2/NDF: 31.4/55

All: 31.357+/-124.133 χ^2/NDF: 408.7/113

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

reg_asym_usr_rms vs Slug



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

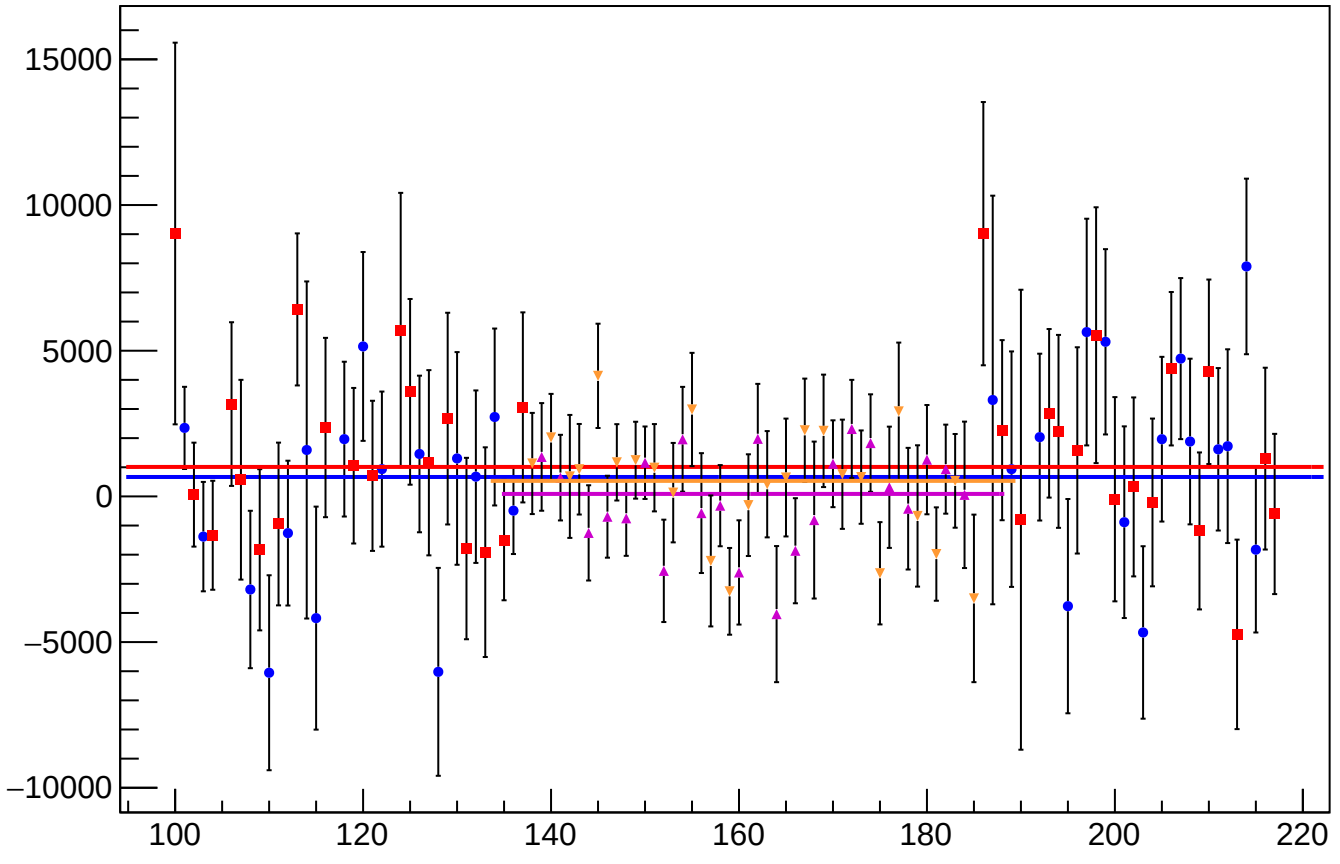
Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

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

+ sign 1090.837+/-0.124 χ^2/NDF: 24563.9/55

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

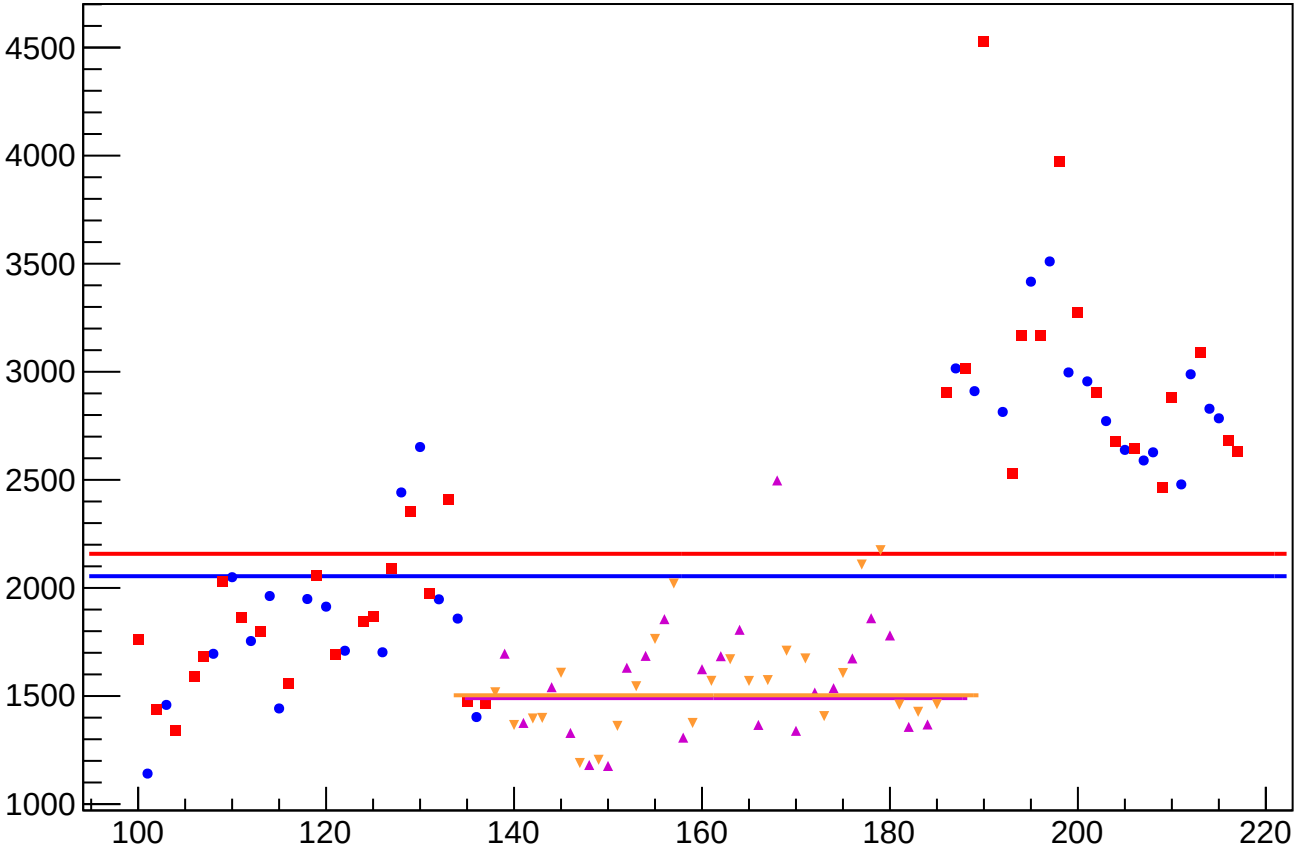
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 577.176+/-284.051 χ^2/NDF: 62.6/55

All: 487.298+/-202.556 χ^2/NDF: 110.5/113

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_reg_correction_rms vs Slug



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

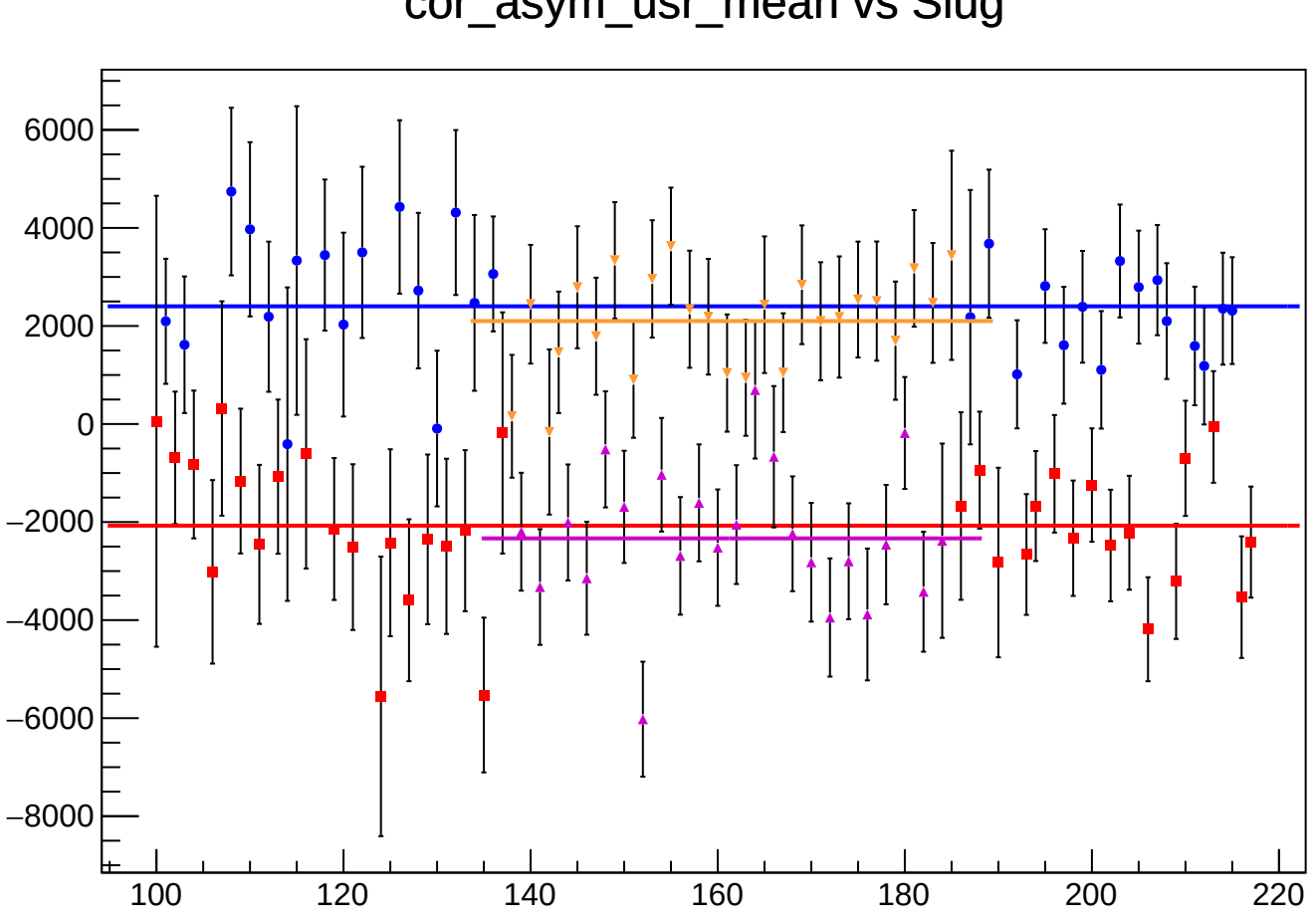
Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

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

+ sign 1685.661+/-0.201 χ^2/NDF: 6144663.1/55

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

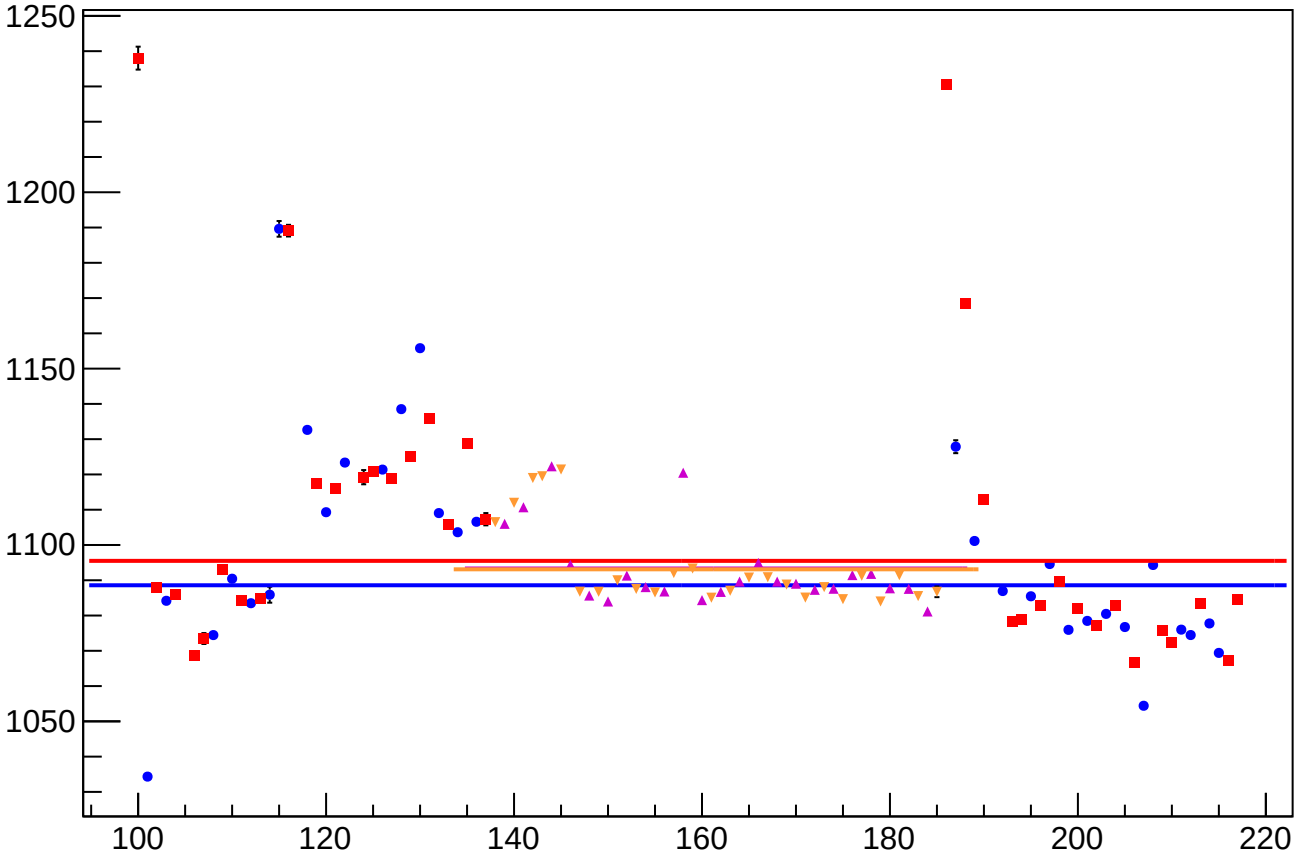
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.031+/-175.393 χ^2/NDF: 31.4/55

All: 31.357+/-124.133 χ^2/NDF: 408.7/113

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

cor_asym_usr_rms vs Slug



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

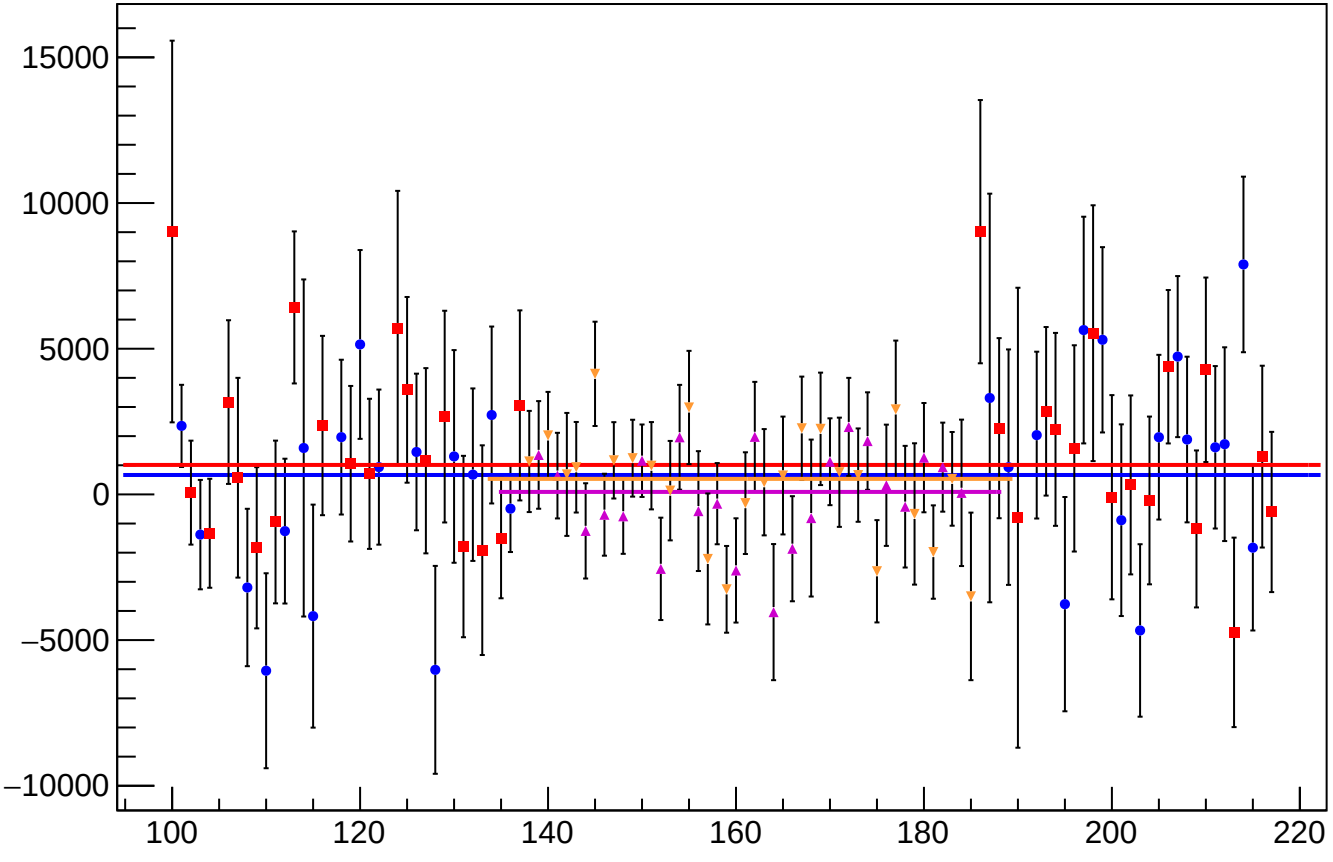
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.837+/-0.124 χ^2/NDF: 24563.9/55

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57

asym_usr_cor_correction_mean vs Slug



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

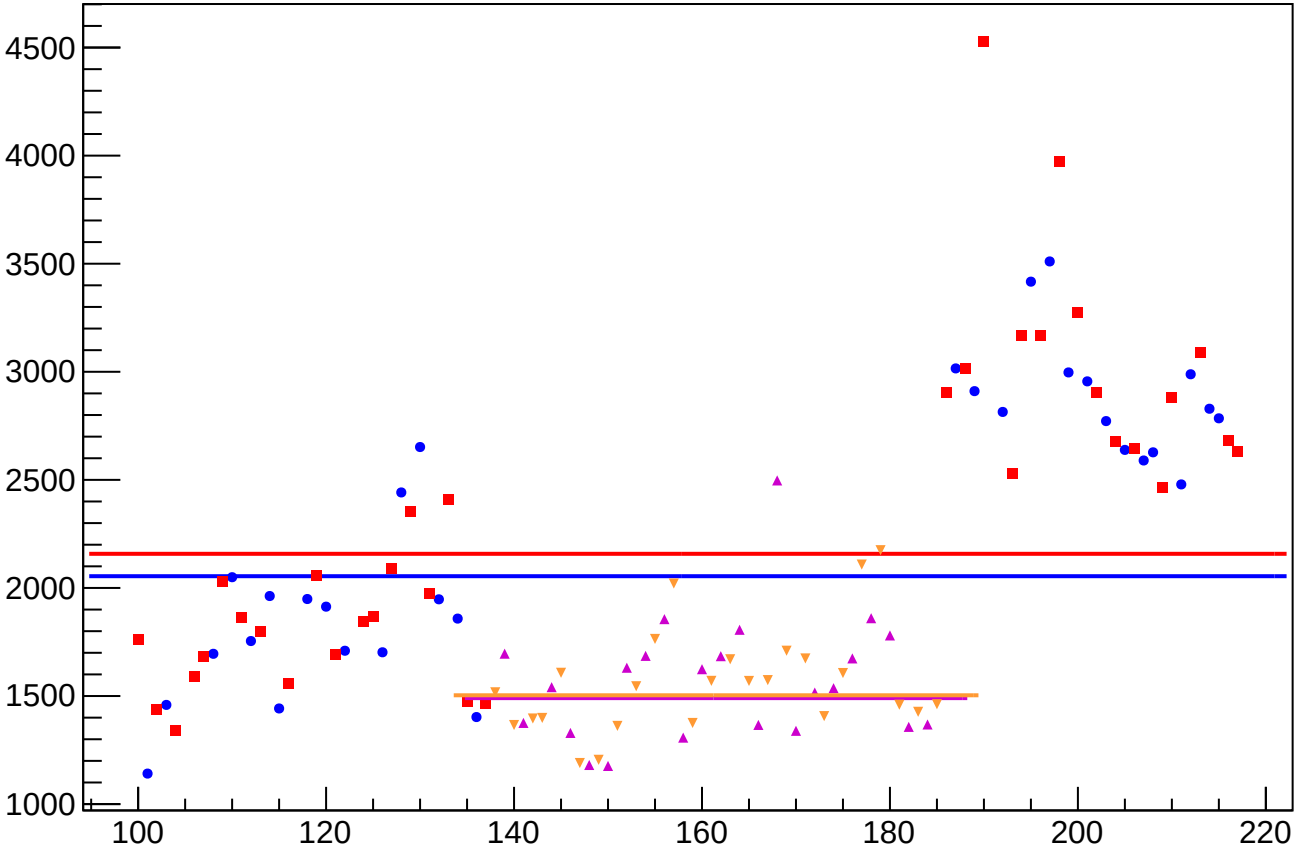
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 577.176+/-284.051 χ^2/NDF: 62.6/55

All: 487.298+/-202.556 χ^2/NDF: 110.5/113

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_cor_correction_rms vs Slug



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

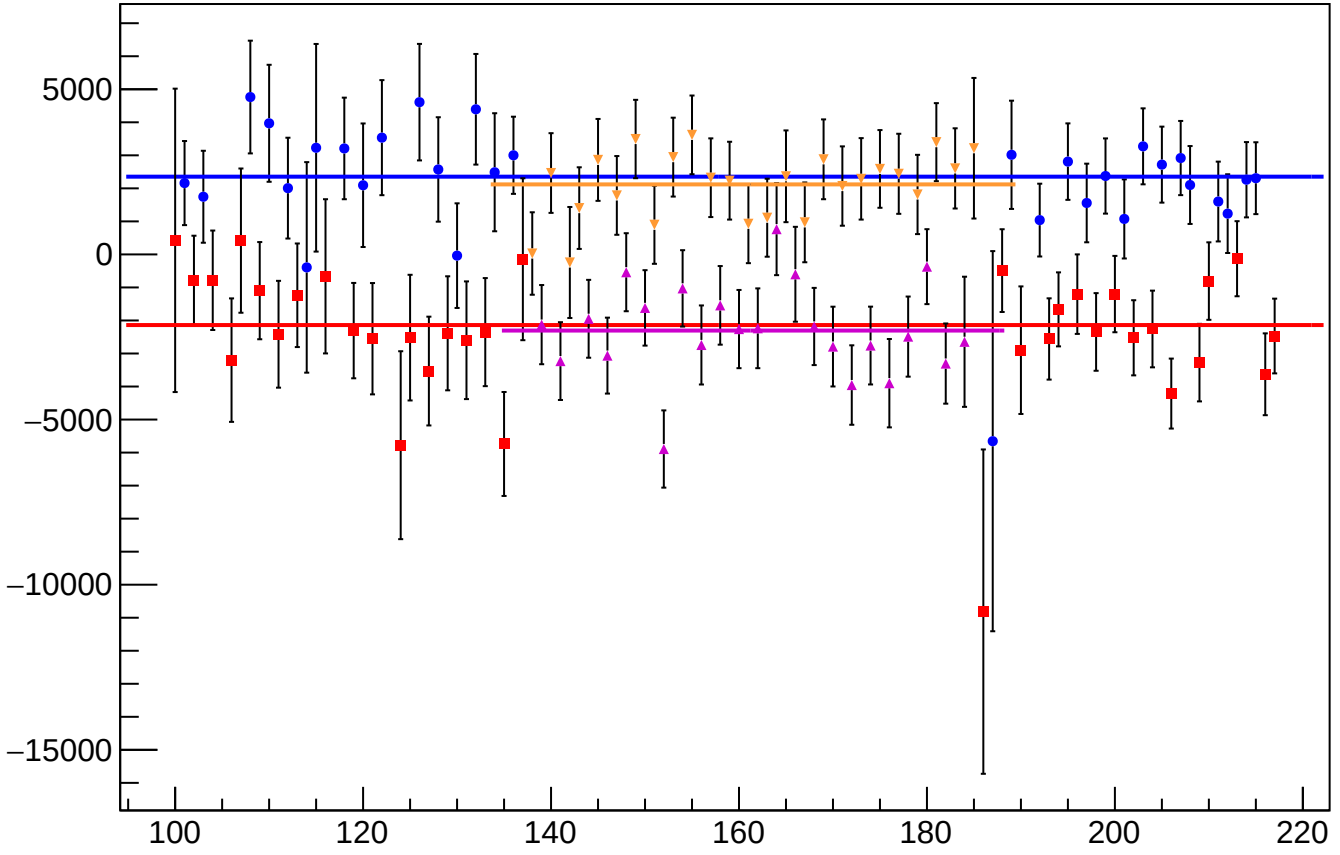
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1685.661+/-0.201 χ^2/NDF: 6144663.1/55

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57

overload_cor_asym_usr_mean vs Slug



Right In: 2354.030+/-248.773 χ^2/NDF: 18.0/30

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2138.819+/-244.012 χ^2/NDF: 31.0/34

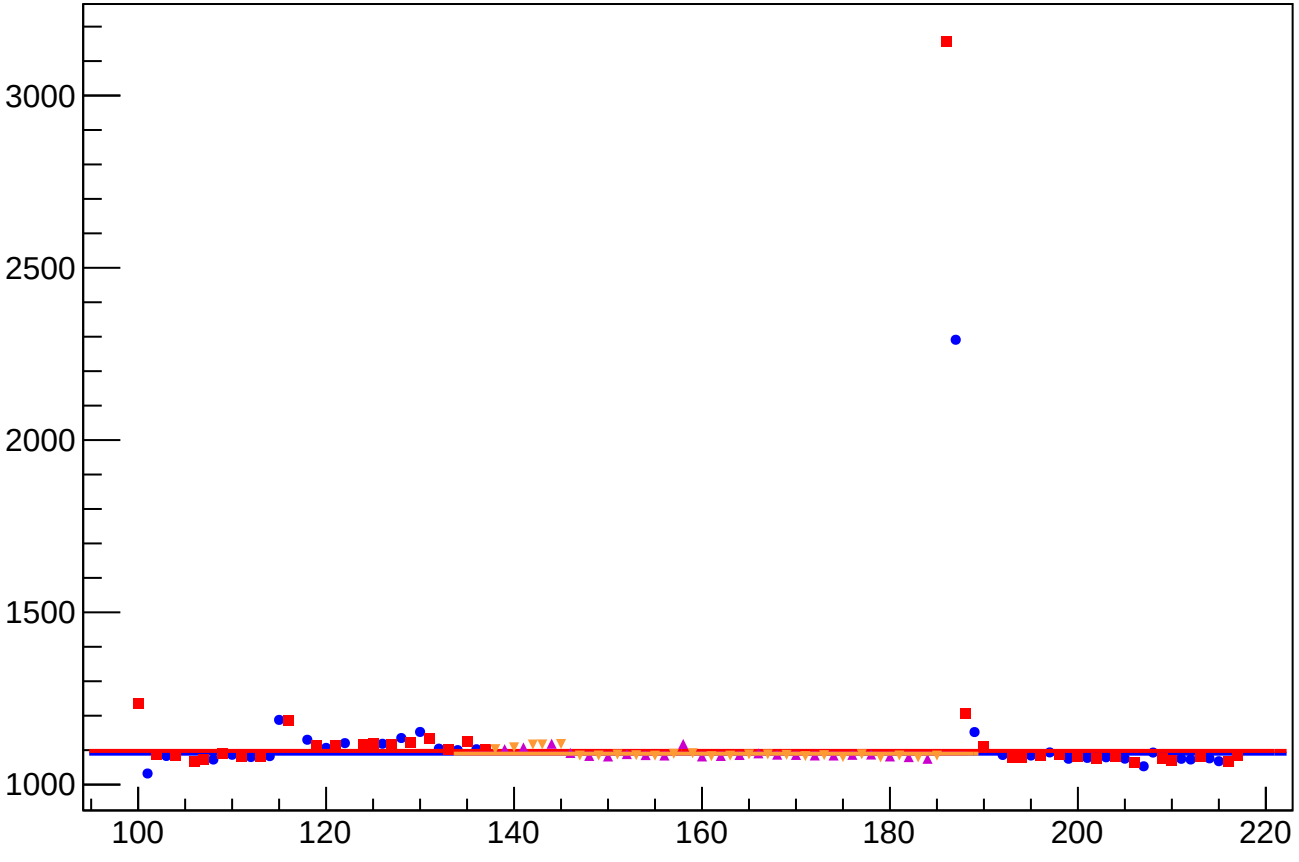
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2236.422+/-175.473 χ^2/NDF: 33.6/55

All: 17.263+/-124.311 χ^2/NDF: 414.3/113

- sign -2218.613+/-176.133 χ^2/NDF: 59.7/57

overload_cor_asym_usr_rms vs Slug



Right In: 1089.793+/-0.176 χ^2/NDF: 109493.4/30

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1097.834+/-0.173 χ^2/NDF: 384082.9/34

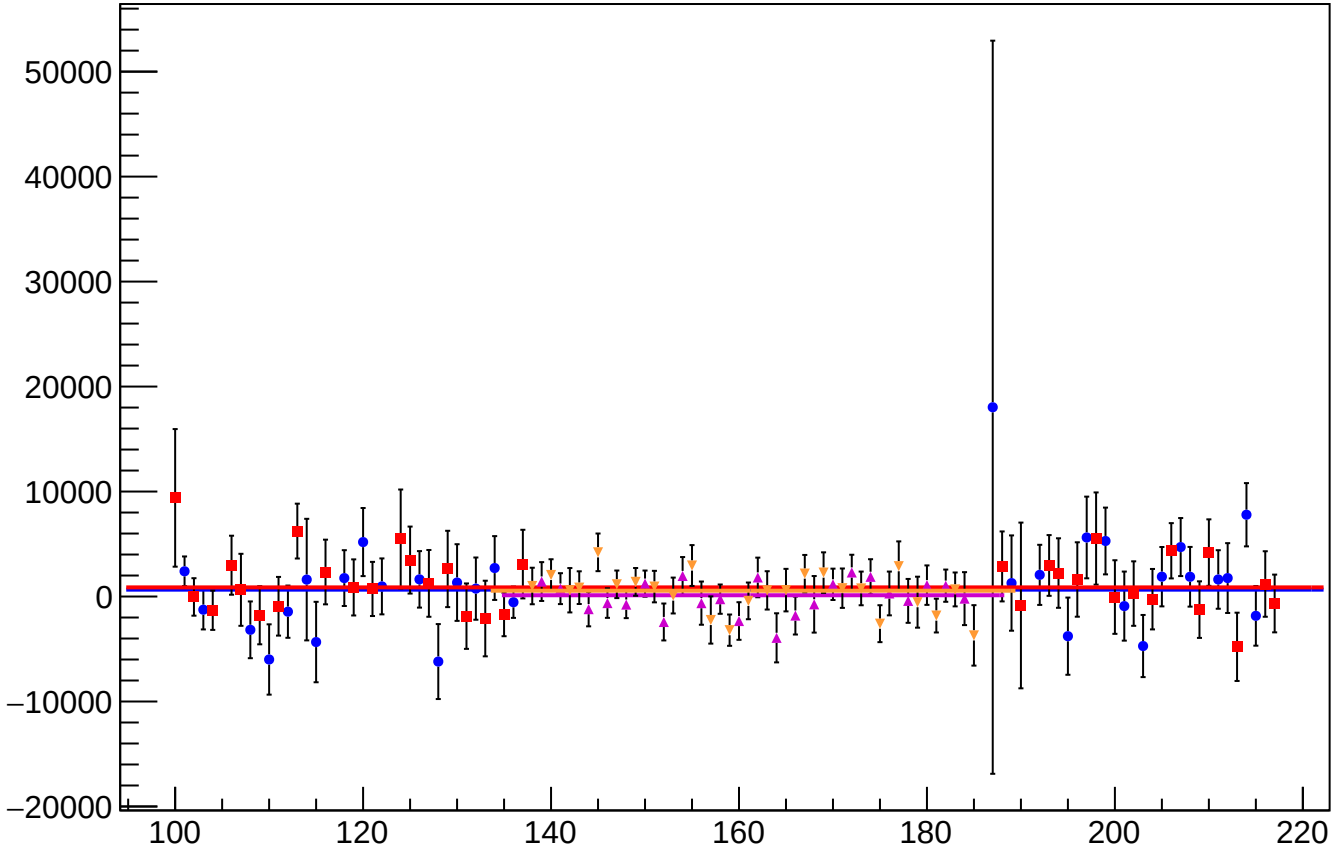
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1089.768+/-0.124 χ^2/NDF: 113551.1/55

All: 1091.908+/-0.088 χ^2/NDF: 503123.7/113

- sign 1094.065+/-0.125 χ^2/NDF: 388975.4/57

asym_usr_overload_cor_correction_mean vs Slug



Right In: 655.060+/-496.280 χ^2/NDF: 36.4/30

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 870.536+/-504.613 χ^2/NDF: 24.3/33

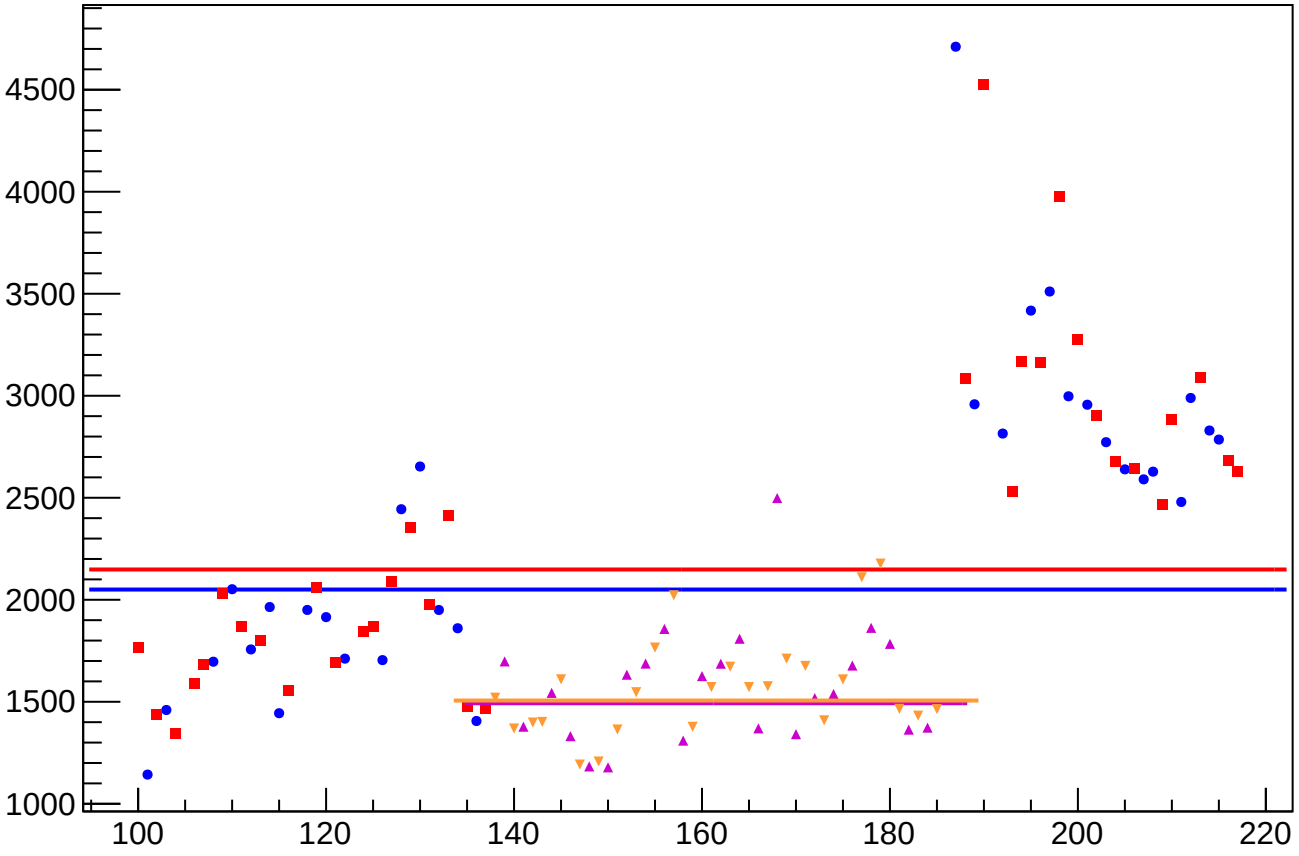
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 587.127+/-284.827 χ^2/NDF: 62.6/55

All: 480.063+/-203.240 χ^2/NDF: 105.8/112

- sign 369.001+/-290.096 χ^2/NDF: 42.9/56

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2050.153+/-0.351 χ^2/NDF: 3630124.0/30

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

Right Out: 2148.452+/-0.357 χ^2/NDF: 3314355.7/33

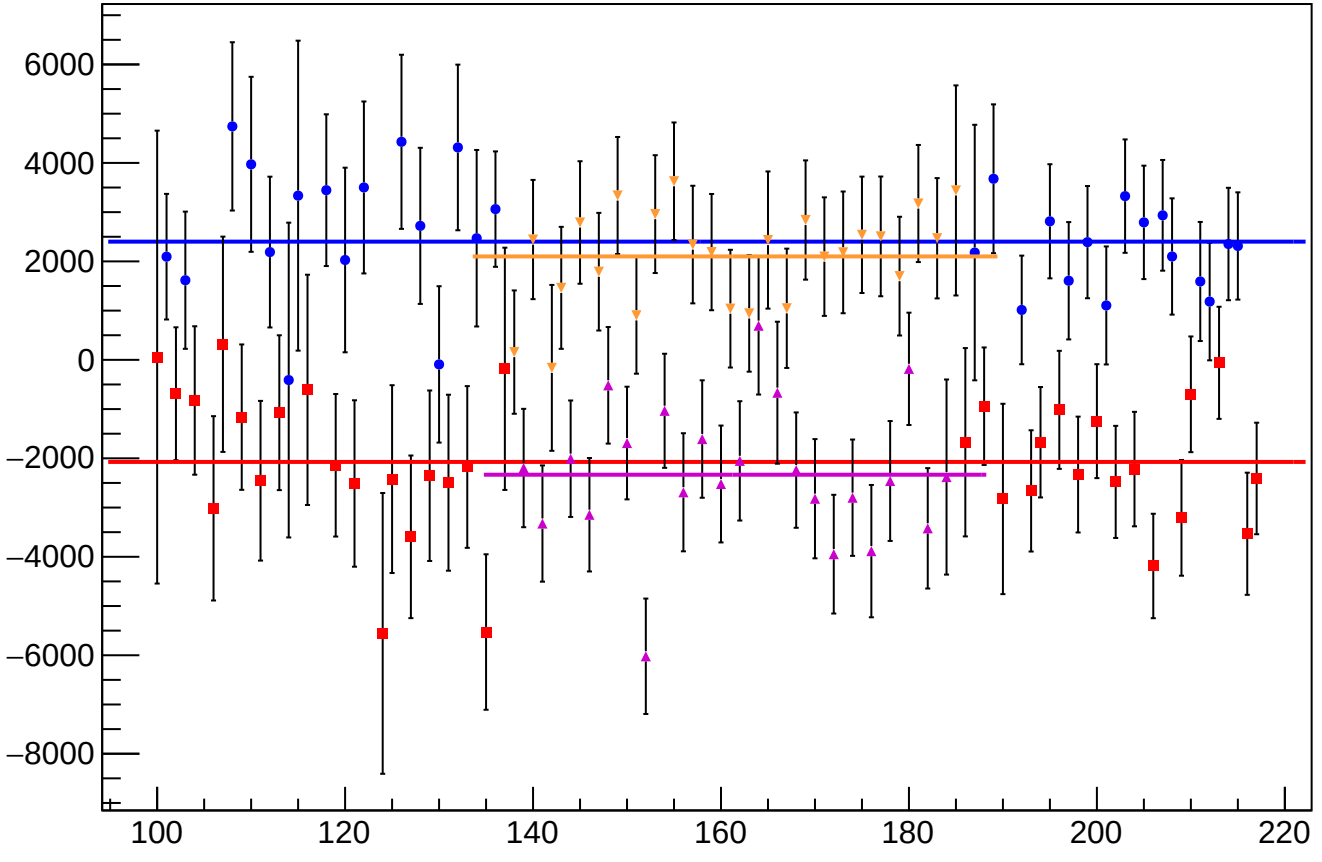
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1685.307+/-0.201 χ^2/NDF: 6038380.3/55

All: 1697.235+/-0.144 χ^2/NDF: 12583572.7/1

- sign 1709.609+/-0.205 χ^2/NDF: 6538045.8/56

eigen_cor_asym_usr_mean vs Slug



Right In: 2401.027+/-247.780 χ^2/NDF: 16.8/30

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2073.302+/-242.209 χ^2/NDF: 26.3/34

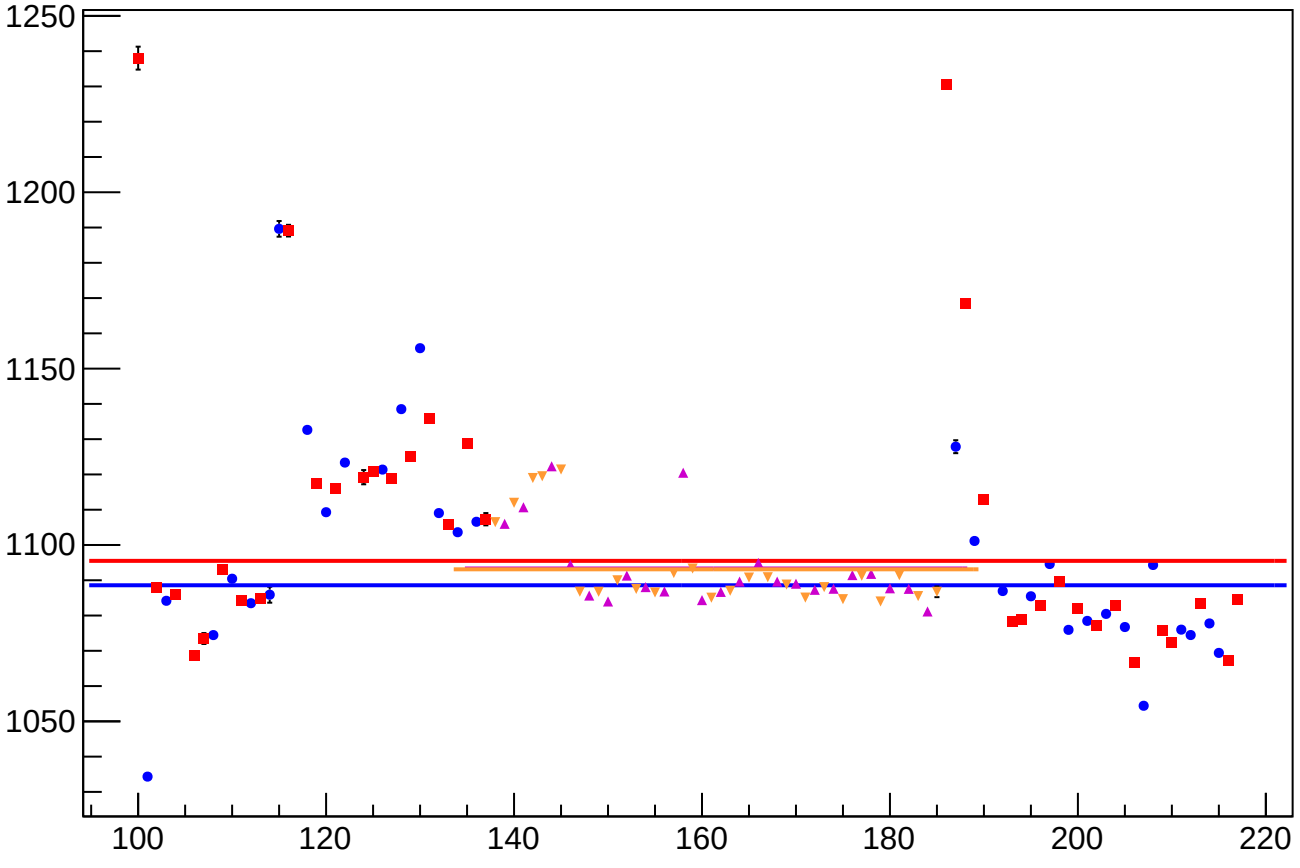
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2251.031+/-175.393 χ^2/NDF: 31.4/55

All: 31.357+/-124.133 χ^2/NDF: 408.7/113

- sign -2196.308+/-175.708 χ^2/NDF: 56.4/57

eigen_cor_asym_usr_rms vs Slug



Right In: 1088.582+/-0.175 χ^2/NDF: 20248.6/30

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1095.499+/-0.171 χ^2/NDF: 34347.2/34

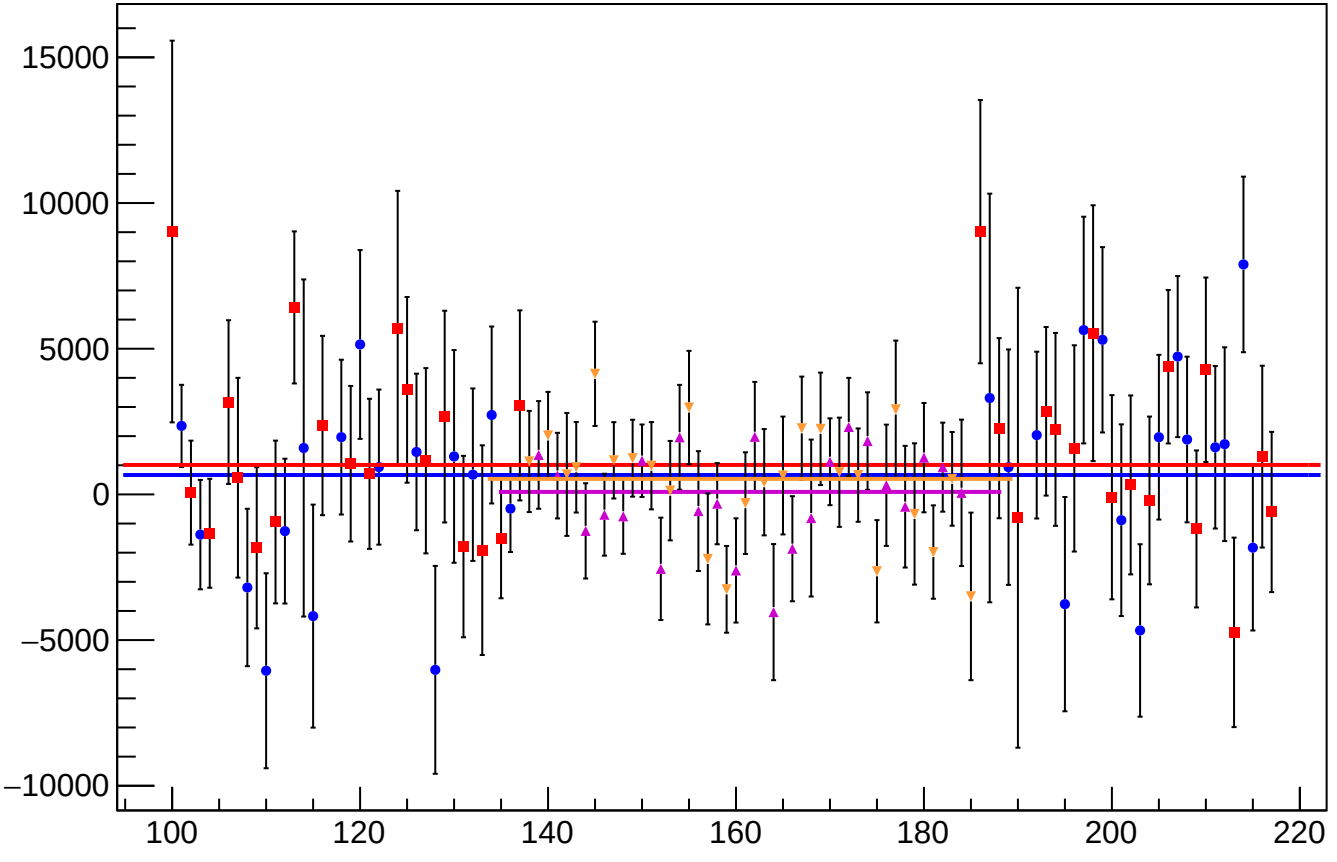
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.837+/-0.124 χ^2/NDF: 24563.9/55

All: 1092.653+/-0.088 χ^2/NDF: 63141.8/113

- sign 1094.475+/-0.124 χ^2/NDF: 38148.4/57

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 666.591+/-493.894 χ^2/NDF: 36.1/30

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1011.510+/-500.230 χ^2/NDF: 27.4/34

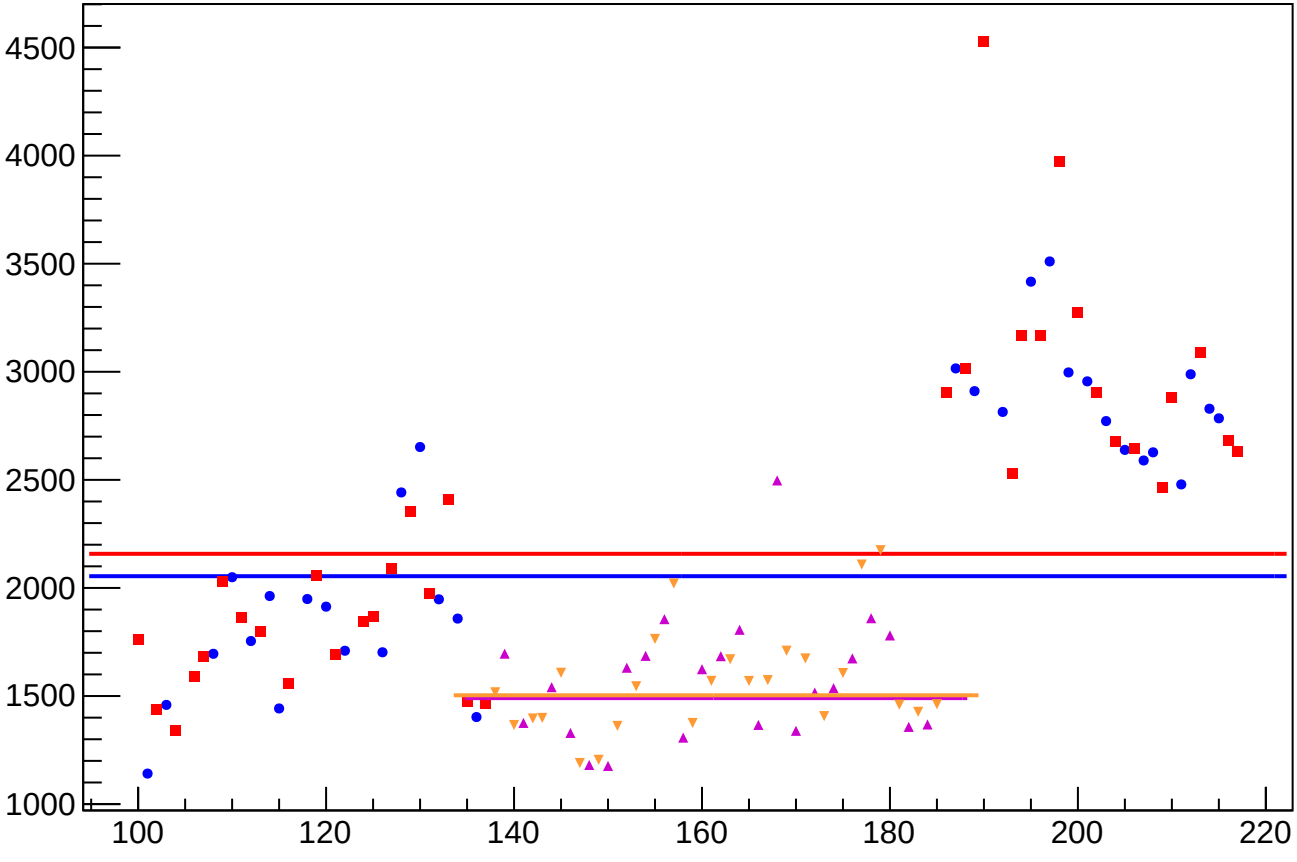
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 577.176+/-284.051 χ^2/NDF: 62.6/55

All: 487.298+/-202.556 χ^2/NDF: 110.5/113

- sign 394.309+/-288.926 χ^2/NDF: 47.7/57

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2054.346+/-0.349 χ^2/NDF: 3679668.9/30

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2157.924+/-0.354 χ^2/NDF: 3381026.4/34

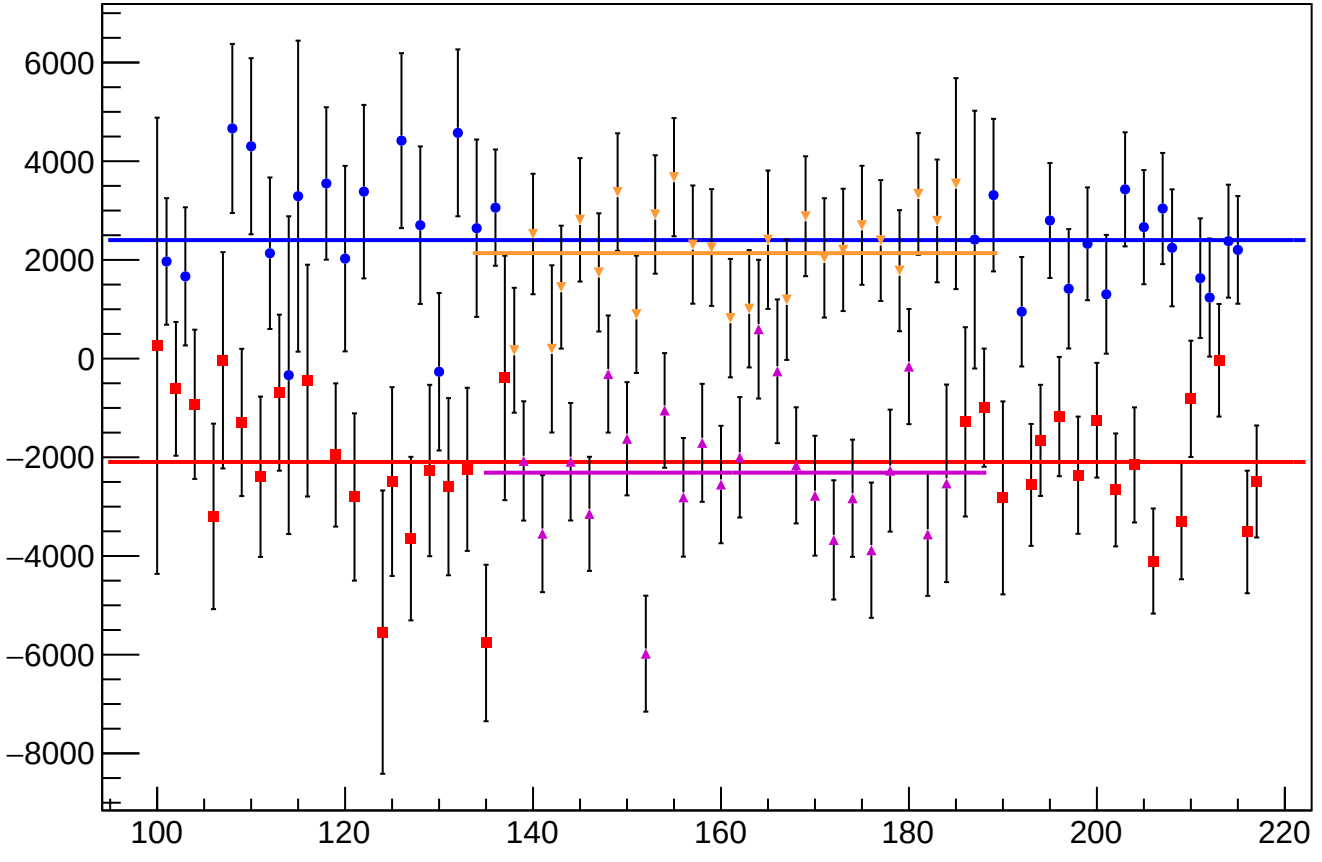
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1685.661+/-0.201 χ^2/NDF: 6144663.1/55

All: 1699.114+/-0.143 χ^2/NDF: 12876962.6/1

- sign 1713.033+/-0.204 χ^2/NDF: 6723171.2/57

dit_asym_usr_mean vs Slug



Right In: 2401.426+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2094.802+/-243.247 χ^2/NDF: 26.7/34

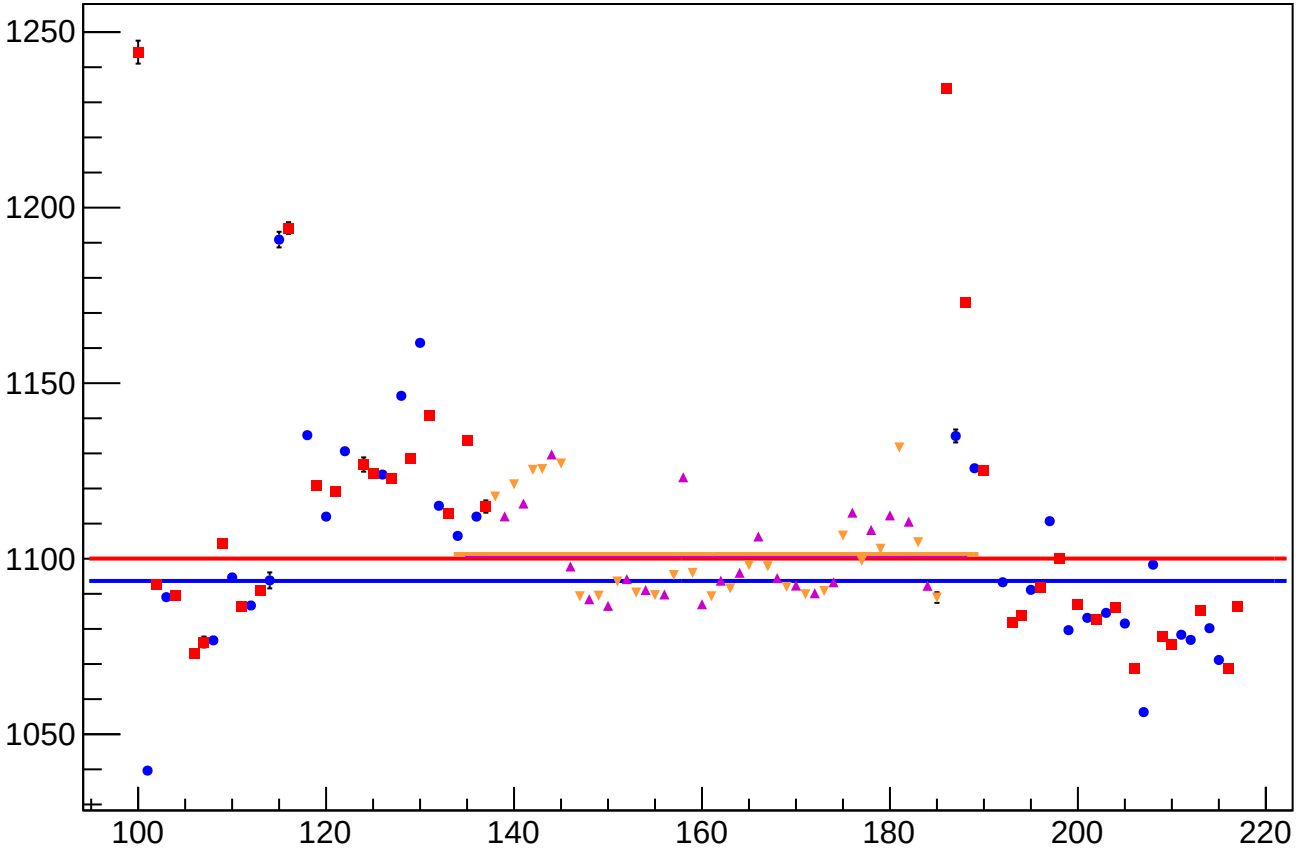
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2269.963+/-176.473 χ^2/NDF: 31.9/55

All: 38.879+/-124.857 χ^2/NDF: 408.9/113

- sign -2197.306+/-176.675 χ^2/NDF: 57.0/57

dit_asym_usr_rms vs Slug



Right In: 1093.665+/-0.176 χ^2/NDF: 22155.5/30

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1100.042+/-0.172 χ^2/NDF: 35016.8/34

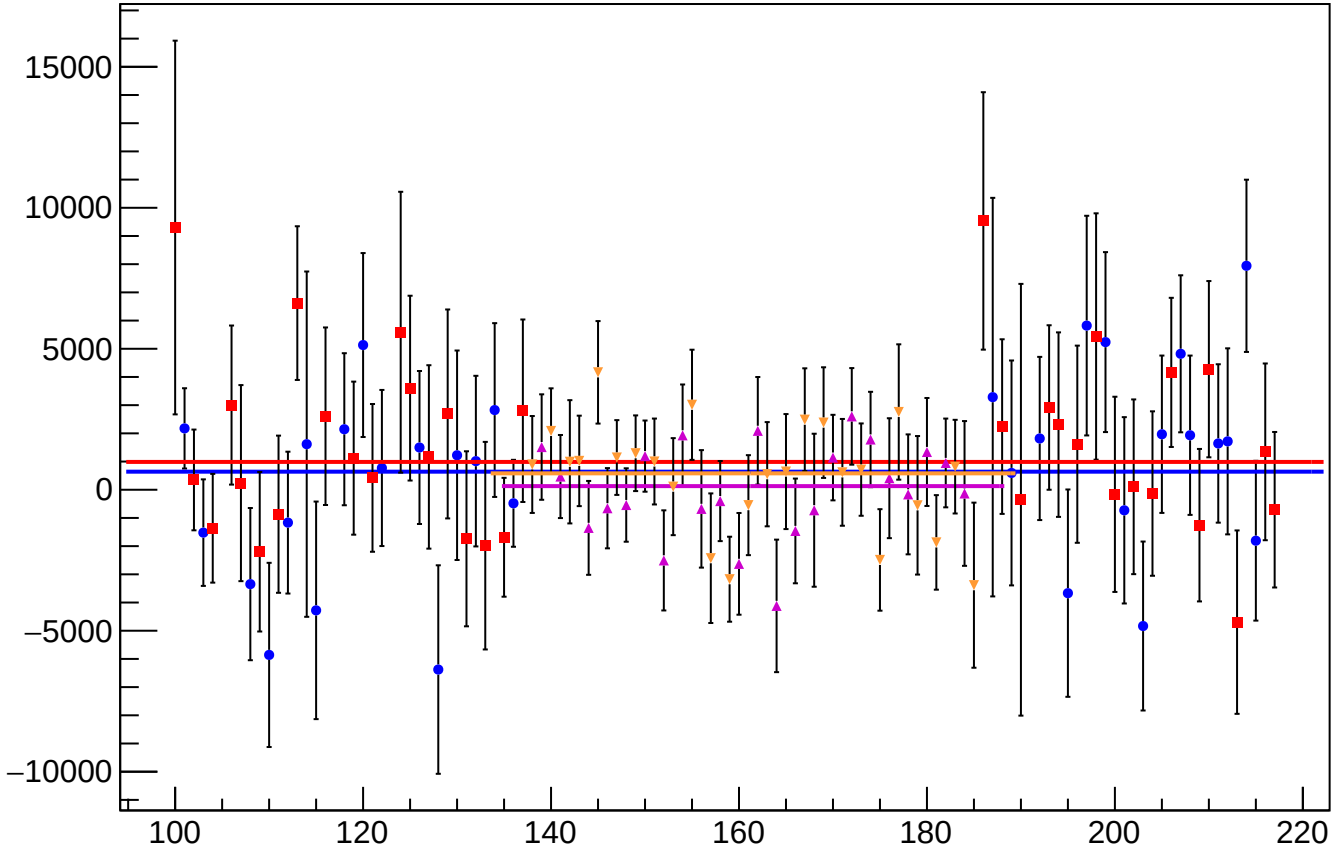
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1097.490+/-0.125 χ^2/NDF: 29055.2/55

All: 1098.941+/-0.088 χ^2/NDF: 68993.6/113

- sign 1100.396+/-0.125 χ^2/NDF: 39667.5/57

asym_usr_dit_correction_mean vs Slug



Right In: 641.124+/-499.285 χ^2/NDF: 36.2/30

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 986.981+/-505.559 χ^2/NDF: 27.5/34

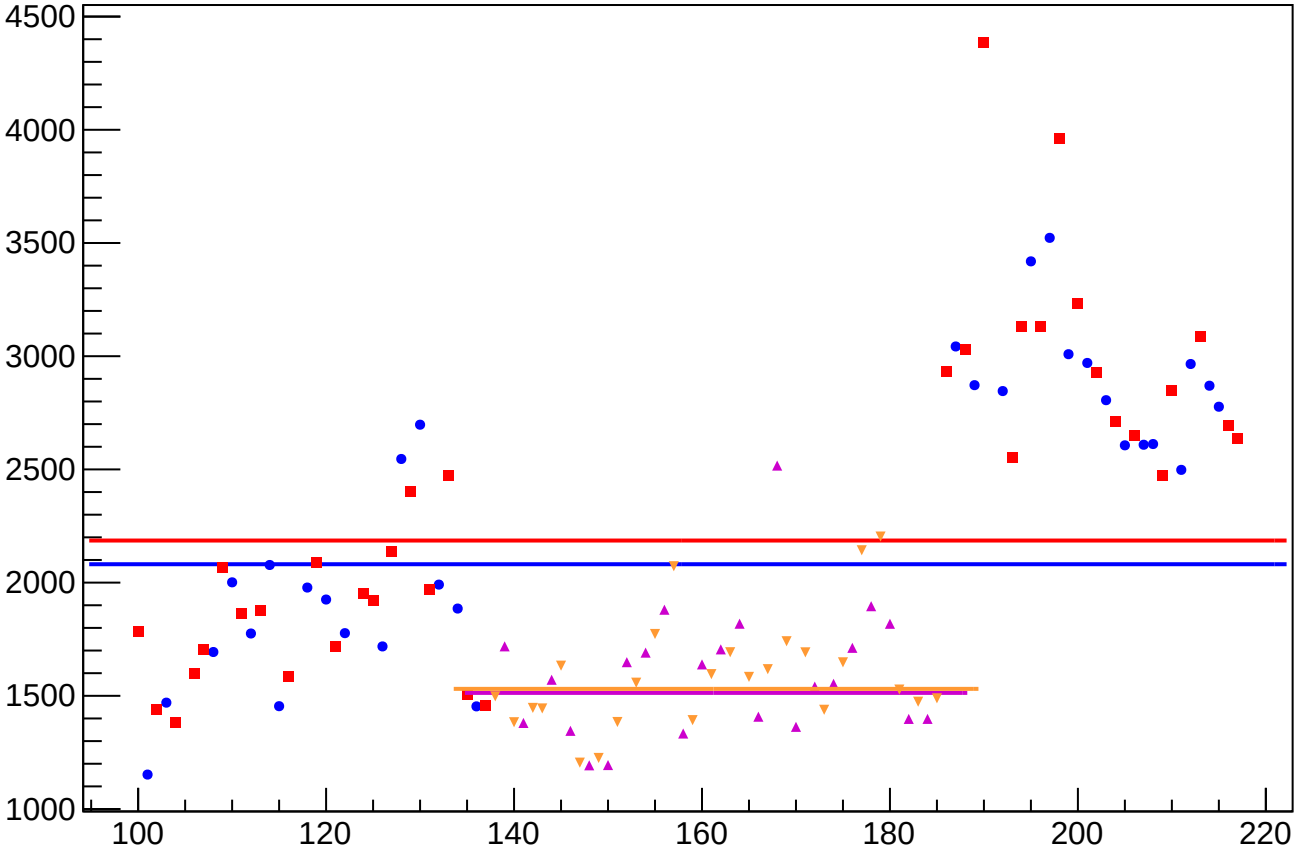
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 601.352+/-288.448 χ^2/NDF: 61.6/55

All: 510.349+/-205.477 χ^2/NDF: 109.0/113

- sign 416.593+/-292.778 χ^2/NDF: 47.3/57

asym_usr_dit_correction_rms vs Slug



Right In: 2081.232+/-0.353 χ^2/NDF: 3561007.8/30

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2185.868+/-0.357 χ^2/NDF: 3219972.8/34

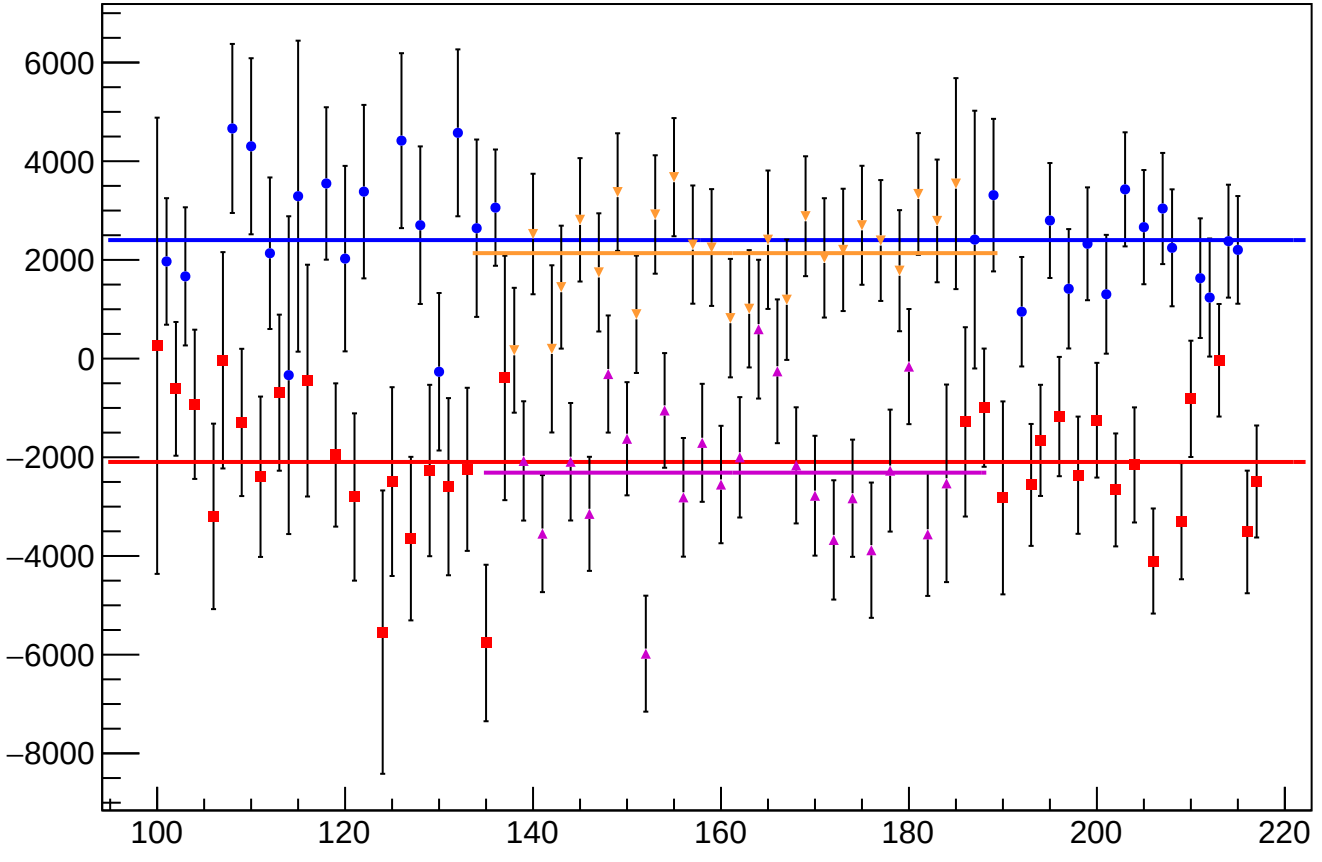
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1714.490+/-0.204 χ^2/NDF: 5976307.7/55

All: 1726.379+/-0.145 χ^2/NDF: 12515236.0/1

- sign 1738.628+/-0.207 χ^2/NDF: 6532029.4/57

eigen_dit_asym_usr_mean vs Slug



Right In: 2401.427+/-248.952 χ^2/NDF: 17.4/30

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2094.805+/-243.247 χ^2/NDF: 26.7/34

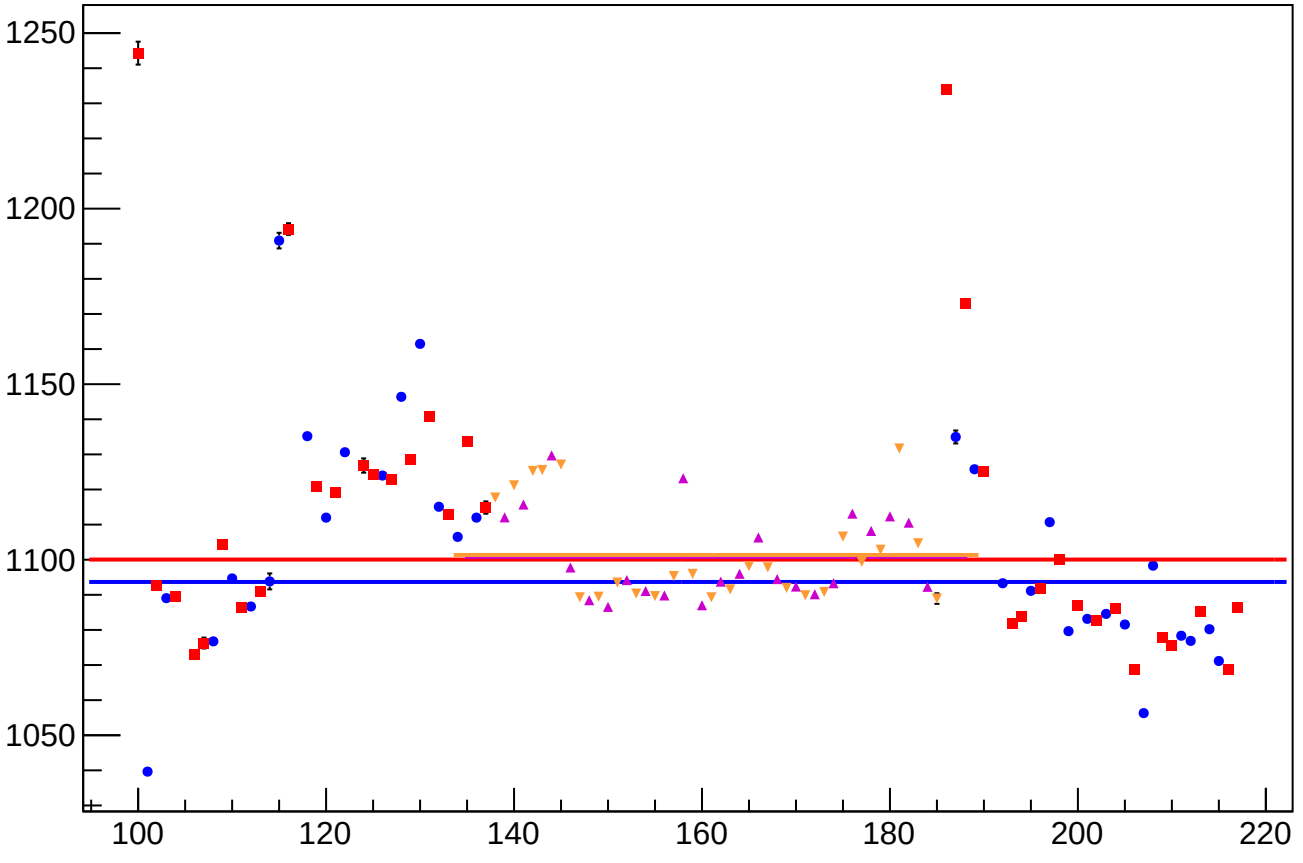
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2269.962+/-176.473 χ^2/NDF: 31.9/55

All: 38.878+/-124.857 χ^2/NDF: 408.9/113

- sign -2197.308+/-176.675 χ^2/NDF: 57.0/57

eigen_dit_asym_usr_rms vs Slug



Right In: 1093.665+/-0.176 χ^2/NDF: 22155.3/30

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1100.042+/-0.172 χ^2/NDF: 35016.7/34

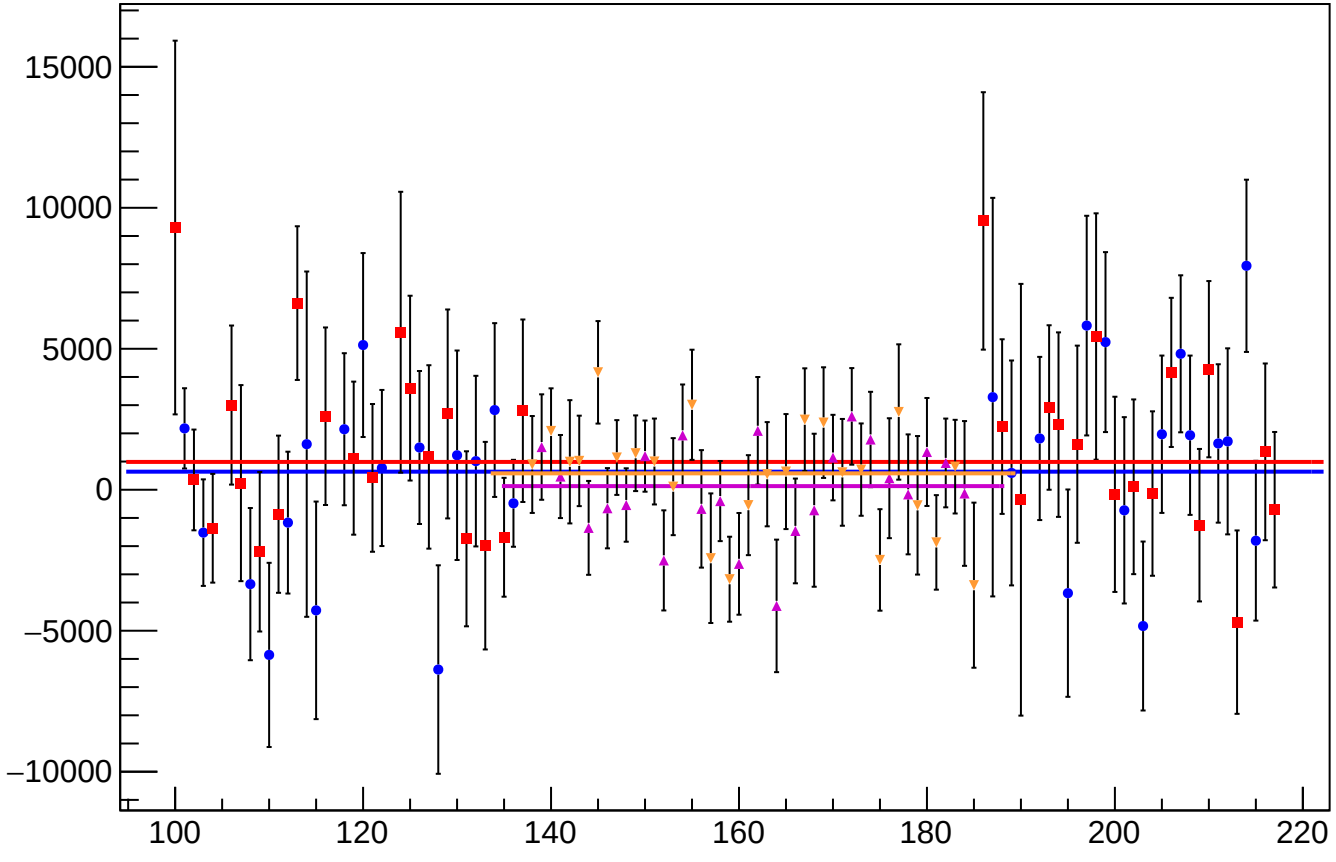
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1097.490+/-0.125 χ^2/NDF: 29055.0/55

All: 1098.941+/-0.088 χ^2/NDF: 68993.4/113

- sign 1100.396+/-0.125 χ^2/NDF: 39667.4/57

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 641.119+/-499.285 χ^2/NDF: 36.2/30

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 986.980+/-505.559 χ^2/NDF: 27.5/34

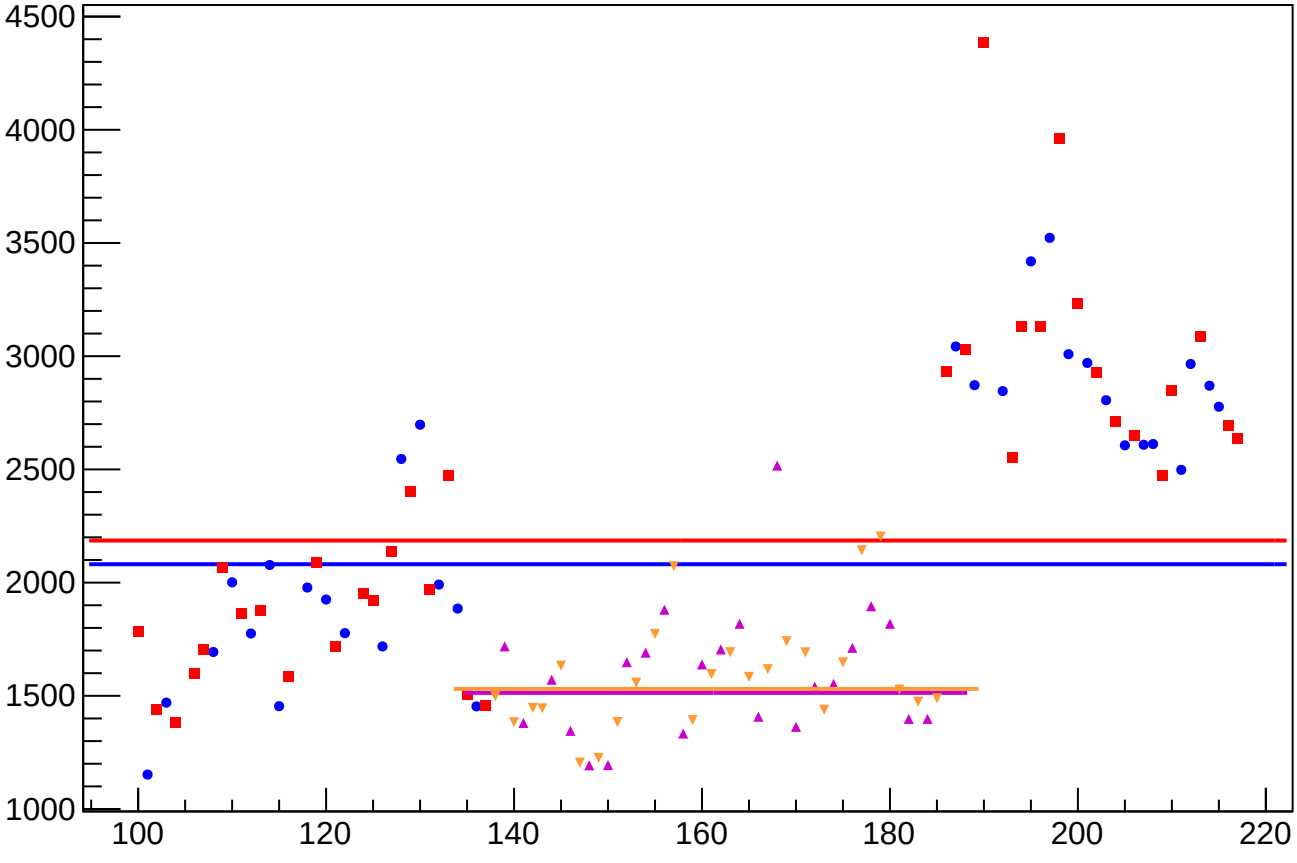
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

+ sign 601.349+/-288.448 χ^2/NDF: 61.6/55

All: 510.348+/-205.477 χ^2/NDF: 109.0/113

- sign 416.594+/-292.778 χ^2/NDF: 47.3/57

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2081.231+/-0.353 χ^2/NDF: 3561021.2/30

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

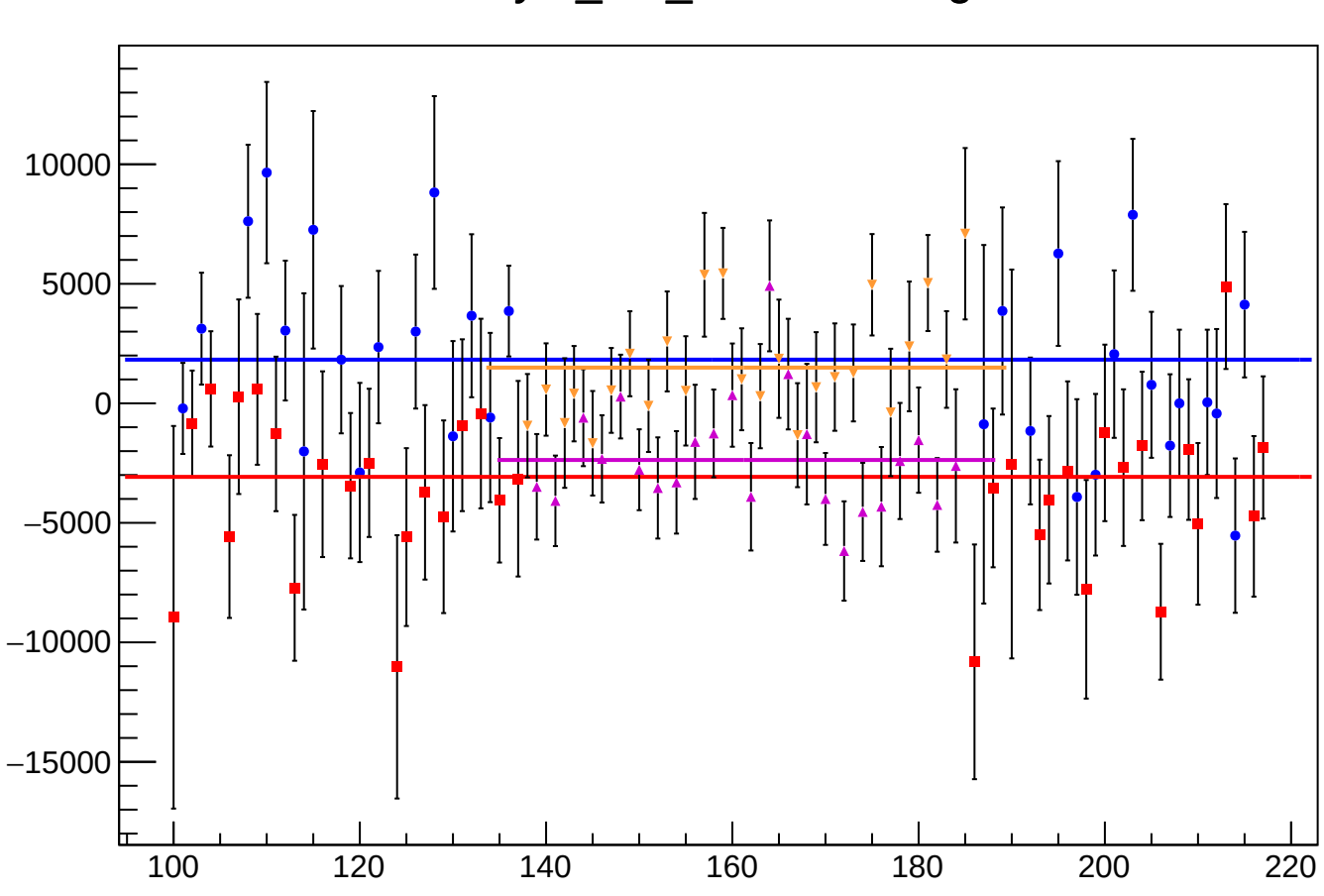
Right Out: 2185.867+/-0.357 χ^2/NDF: 3219974.1/34

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

+ sign 1714.492+/-0.204 χ^2/NDF: 5976292.5/55

All: 1726.382+/-0.145 χ^2/NDF: 12515191.0/1

- sign 1738.631+/-0.207 χ^2/NDF: 6531999.6/57



Right In: 1826.954+/-574.192 χ^2/NDF: 36.7/30

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3077.681+/-573.820 χ^2/NDF: 27.6/34

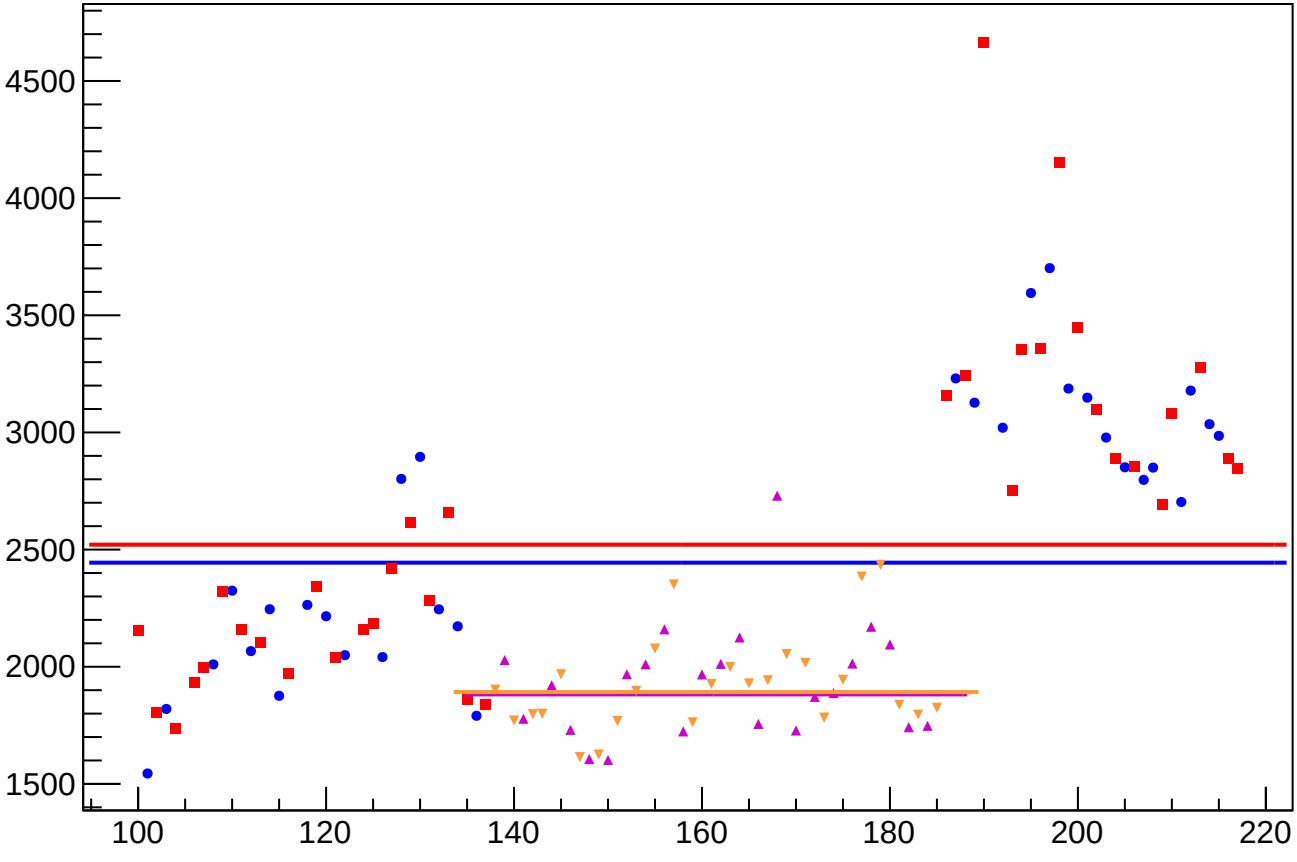
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1615.423+/-345.817 χ^2/NDF: 60.7/55

All: -480.224+/-246.216 χ^2/NDF: 187.4/113

- sign -2634.674+/-350.636 χ^2/NDF: 52.3/57

asym_usr_rms vs Slug



Right In: 2444.182+/-0.406 χ^2/NDF: 2133192.7/30

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

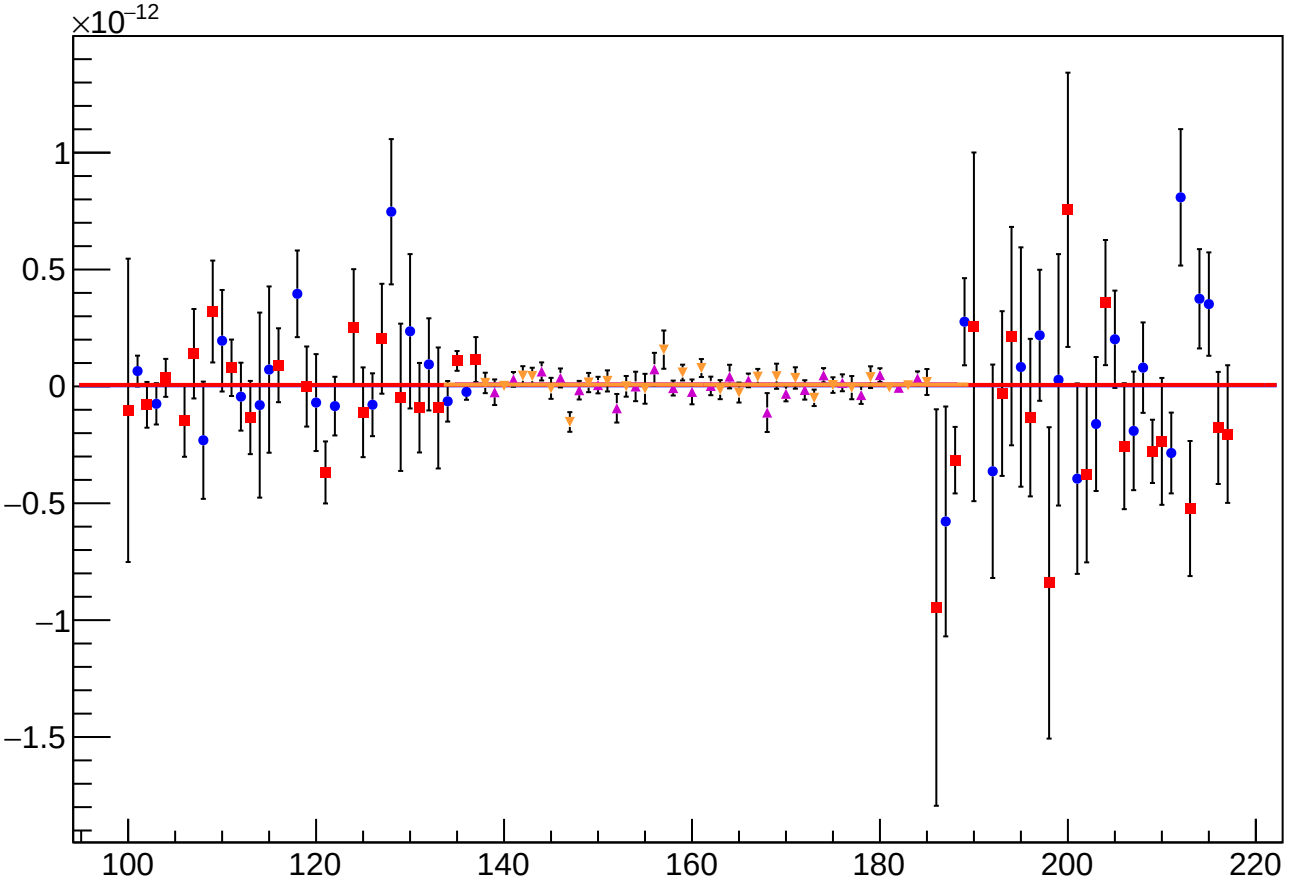
Right Out: 2520.925+/-0.406 χ^2/NDF: 2096989.0/34

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

+ sign 2092.366+/-0.245 χ^2/NDF: 3701048.0/55

All: 2106.238+/-0.174 χ^2/NDF: 7821484.7/11

- sign 2120.499+/-0.248 χ^2/NDF: 4113909.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 40.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

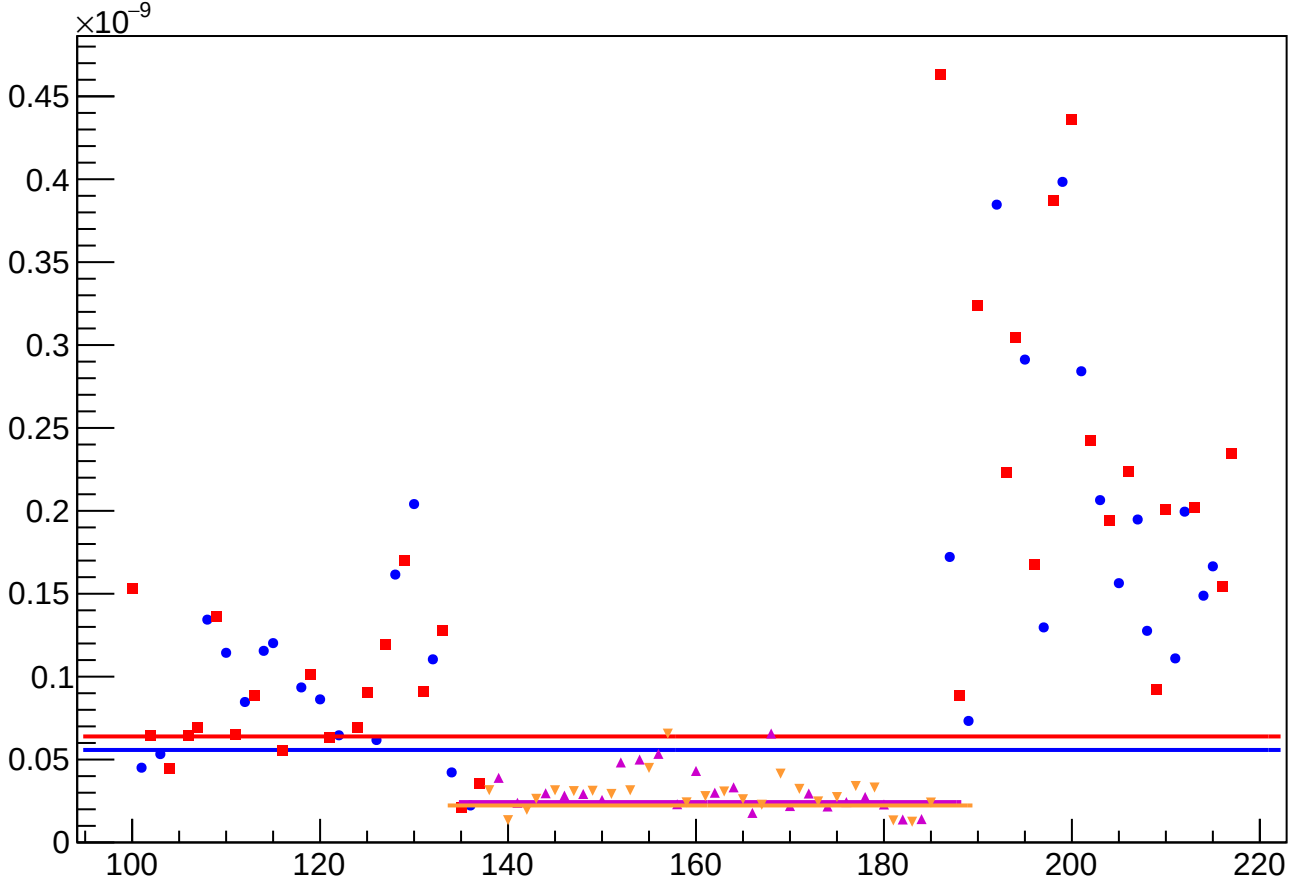
Right Out: 0.000+/-0.000 χ^2/NDF: 47.0/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 72.7/55

All: 0.000+/-0.000 χ^2/NDF: 138.8/113

- sign 0.000+/-0.000 χ^2/NDF: 66.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 10202119.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10047860.6/34

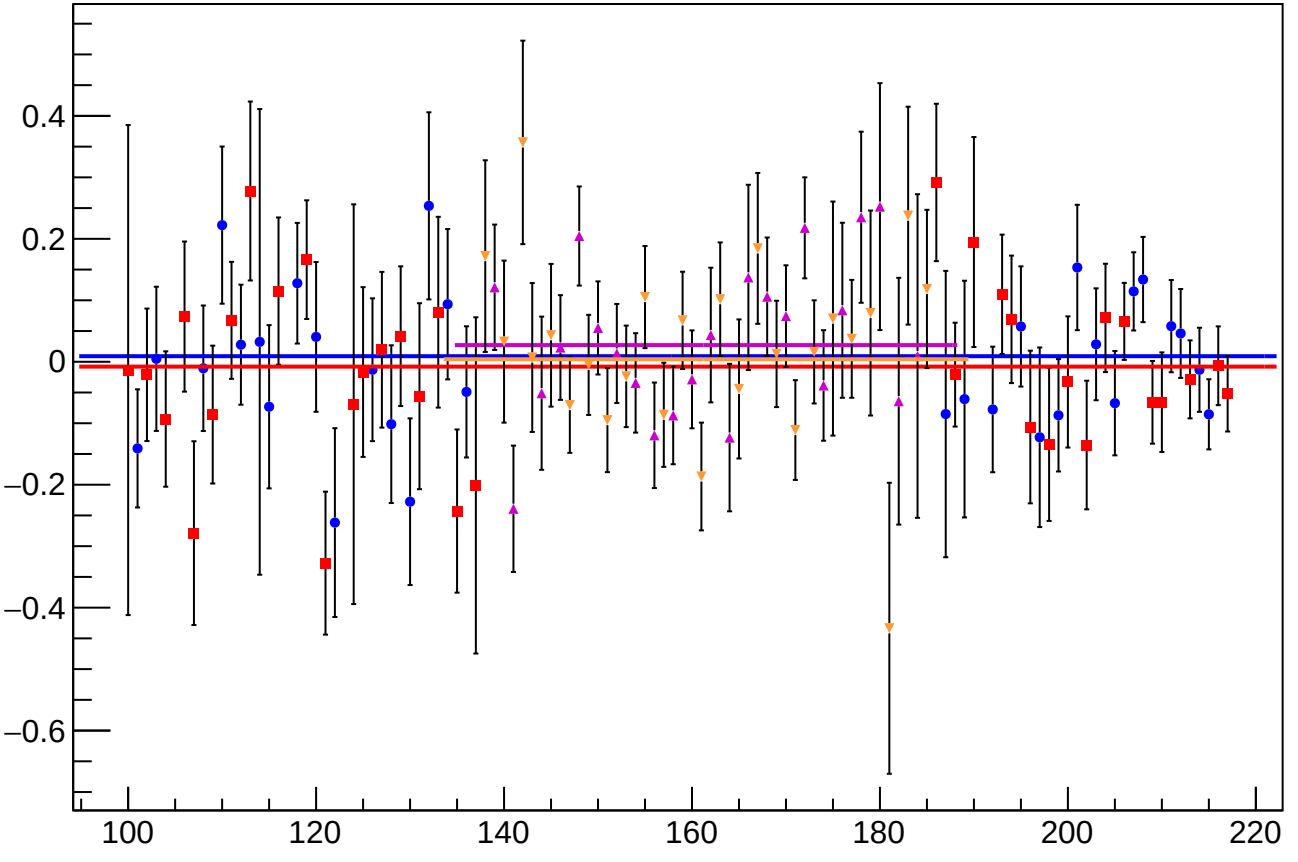
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17784473.8/55

All: 0.000+/-0.000 χ^2/NDF: 35670996.2/113

- sign 0.000+/-0.000 χ^2/NDF: 17754741.0/57

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

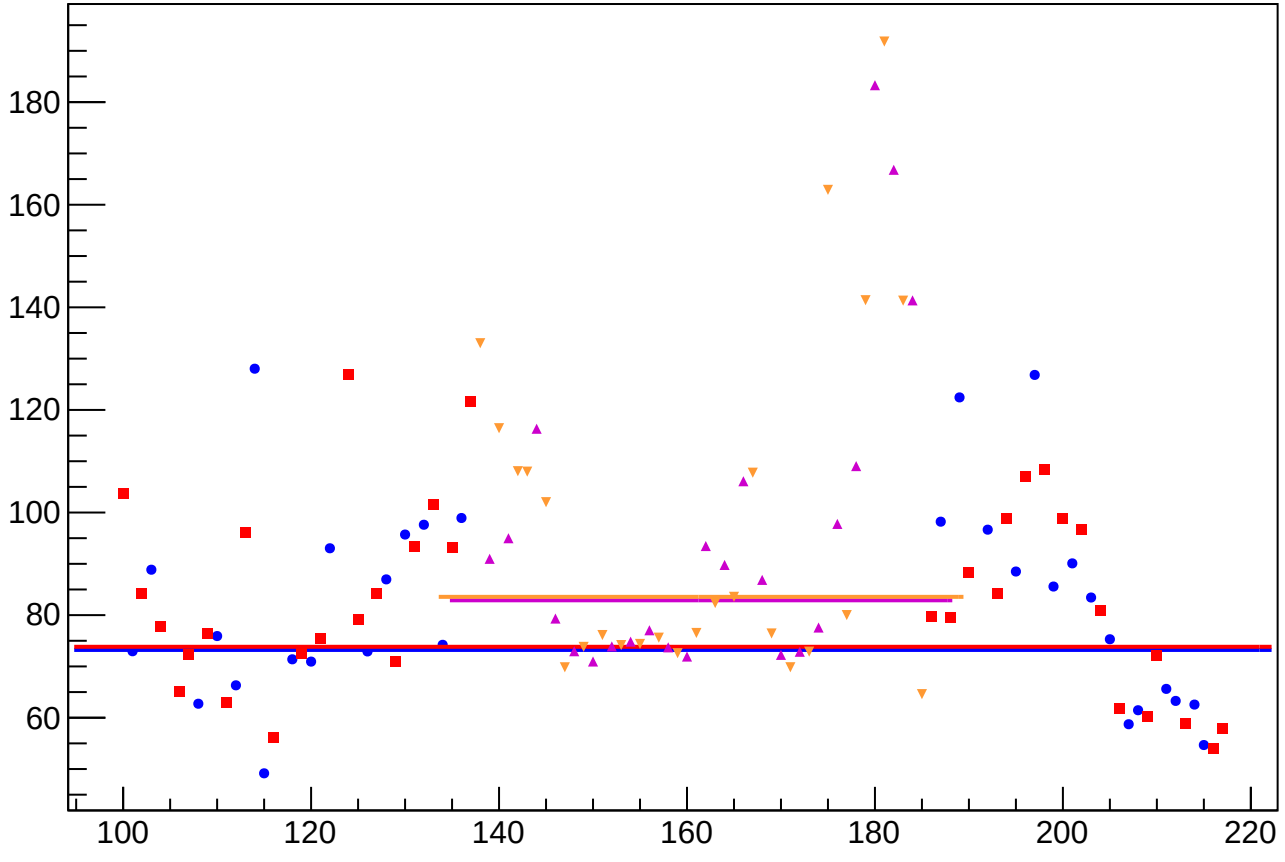
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.007+/-0.013 χ^2/NDF: 61.3/55

All: 0.007+/-0.009 χ^2/NDF: 136.6/113

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 73.213+/-0.012 χ^2/NDF: 1629703.2/30

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

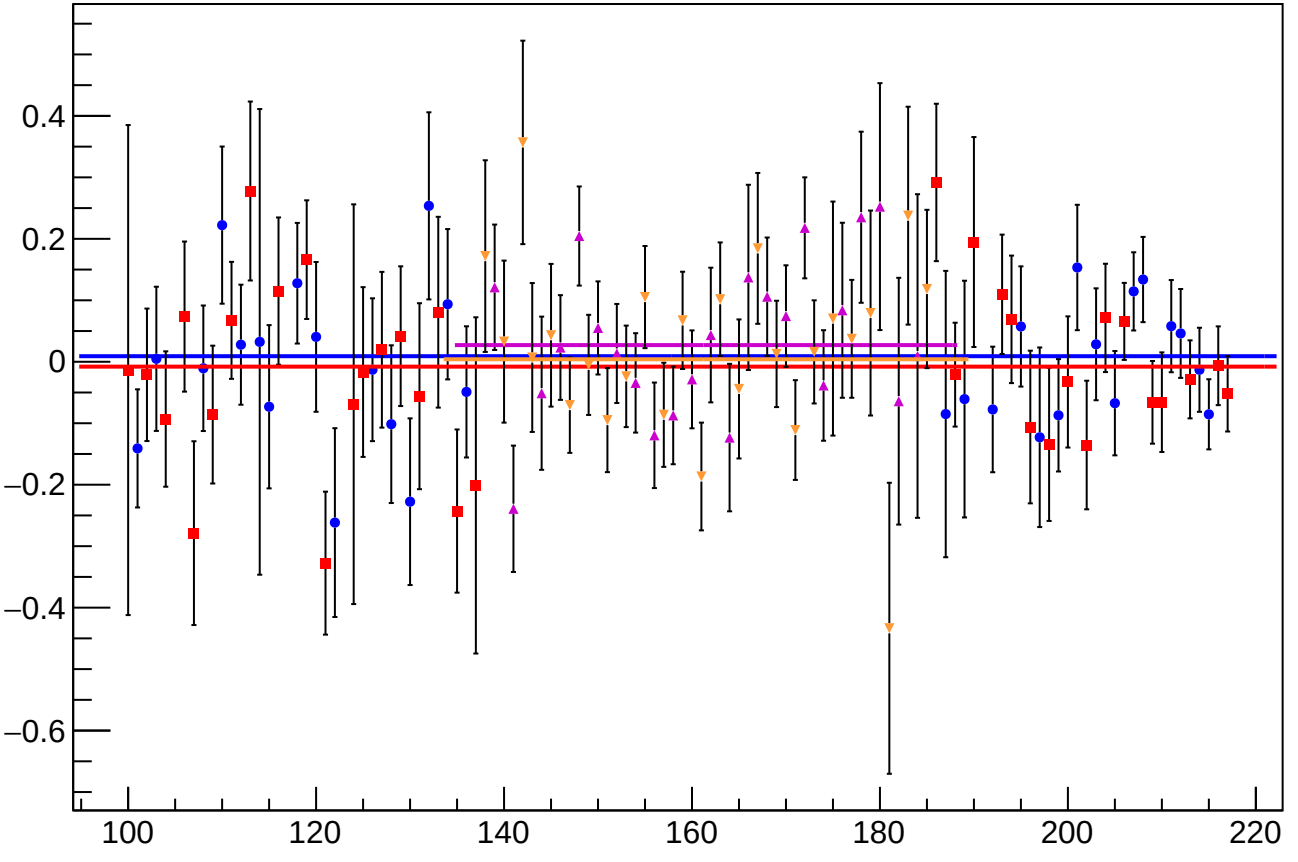
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 77.660+/-0.009 χ^2/NDF: 4099157.0/55

All: 77.608+/-0.007 χ^2/NDF: 7609370.1/113

- sign 77.556+/-0.009 χ^2/NDF: 3510151.8/57

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

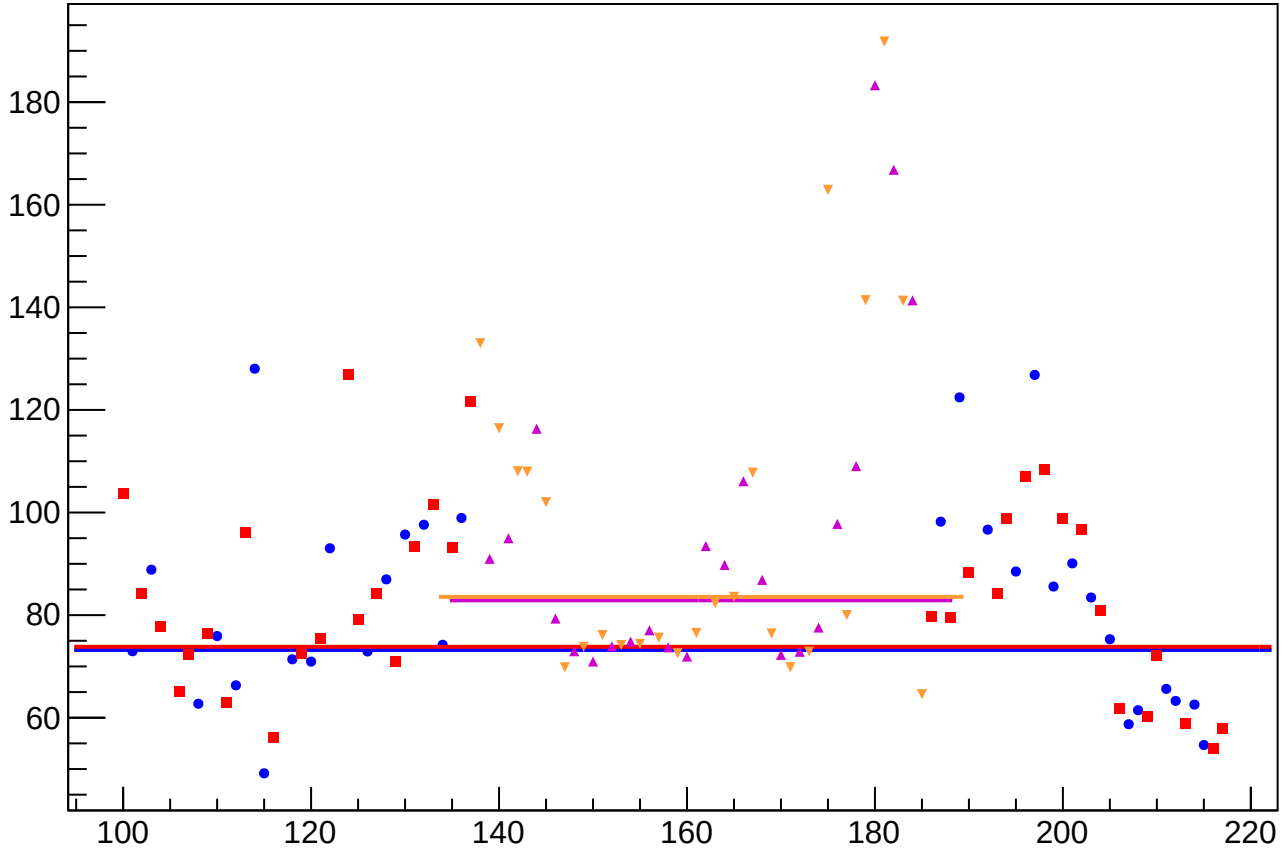
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.007+/-0.013 χ^2/NDF: 61.3/55

All: 0.007+/-0.009 χ^2/NDF: 136.6/113

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.213+/-0.012 χ^2/NDF: 1629703.2/30

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708180.3/34

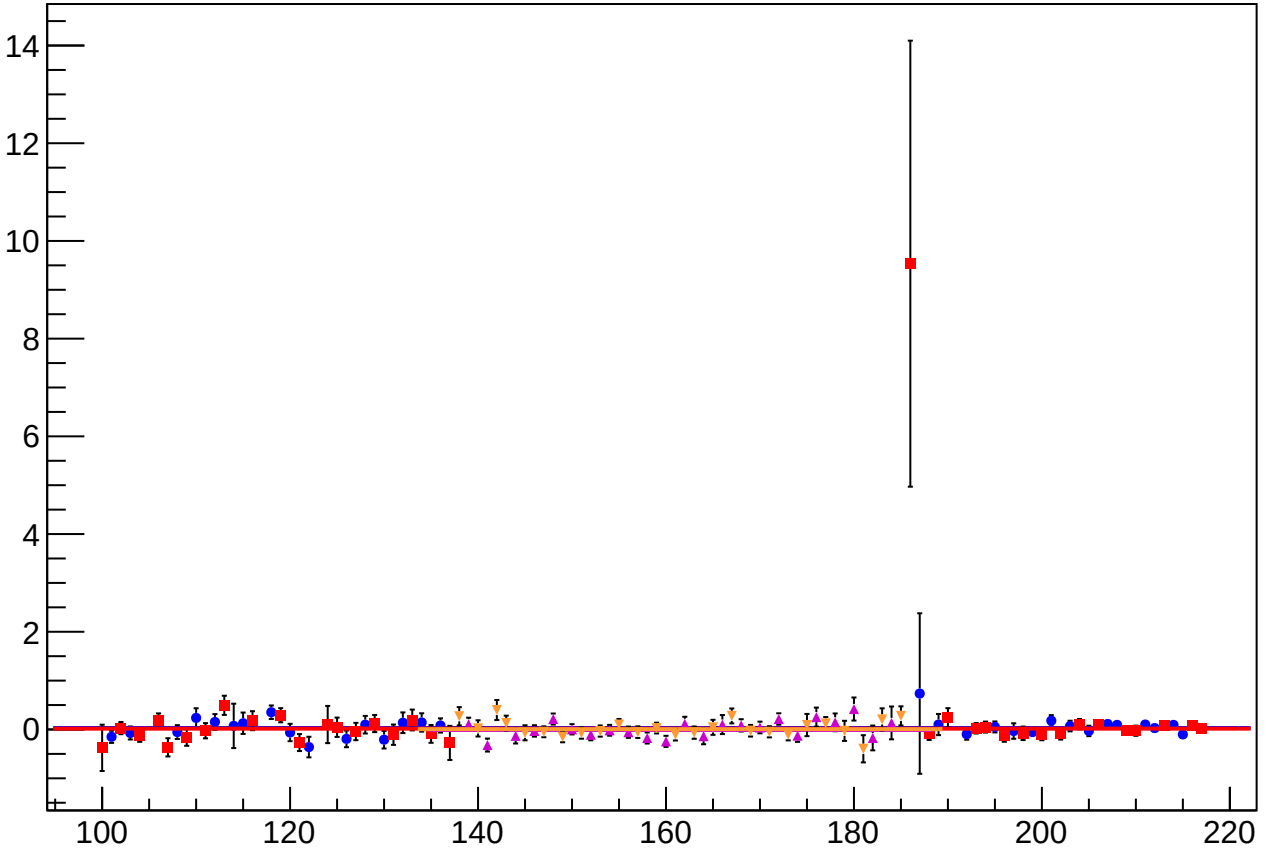
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 77.660+/-0.009 χ^2/NDF: 4099157.0/55

All: 77.608+/-0.007 χ^2/NDF: 7609370.1/113

- sign 77.556+/-0.009 χ^2/NDF: 3510151.8/57

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.029+/-0.023 χ^2/NDF: 28.0/30

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.017+/-0.023 χ^2/NDF: 37.0/34

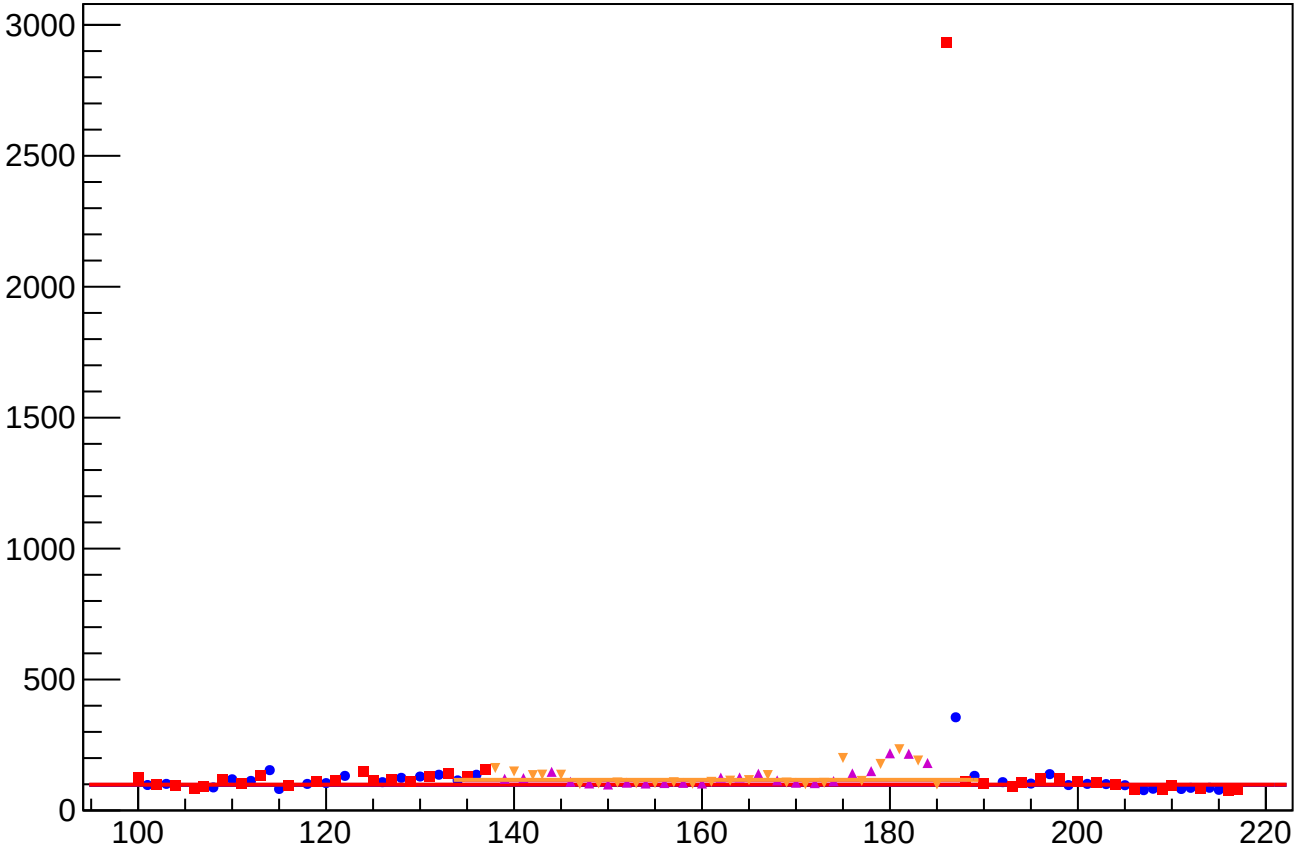
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.018 χ^2/NDF: 49.7/55

All: 0.013+/-0.013 χ^2/NDF: 118.9/113

- sign 0.006+/-0.018 χ^2/NDF: 68.9/57

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 97.441+/-0.016 χ^2/NDF: 1136382.9/30

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 98.509+/-0.016 χ^2/NDF: 1852747.2/34

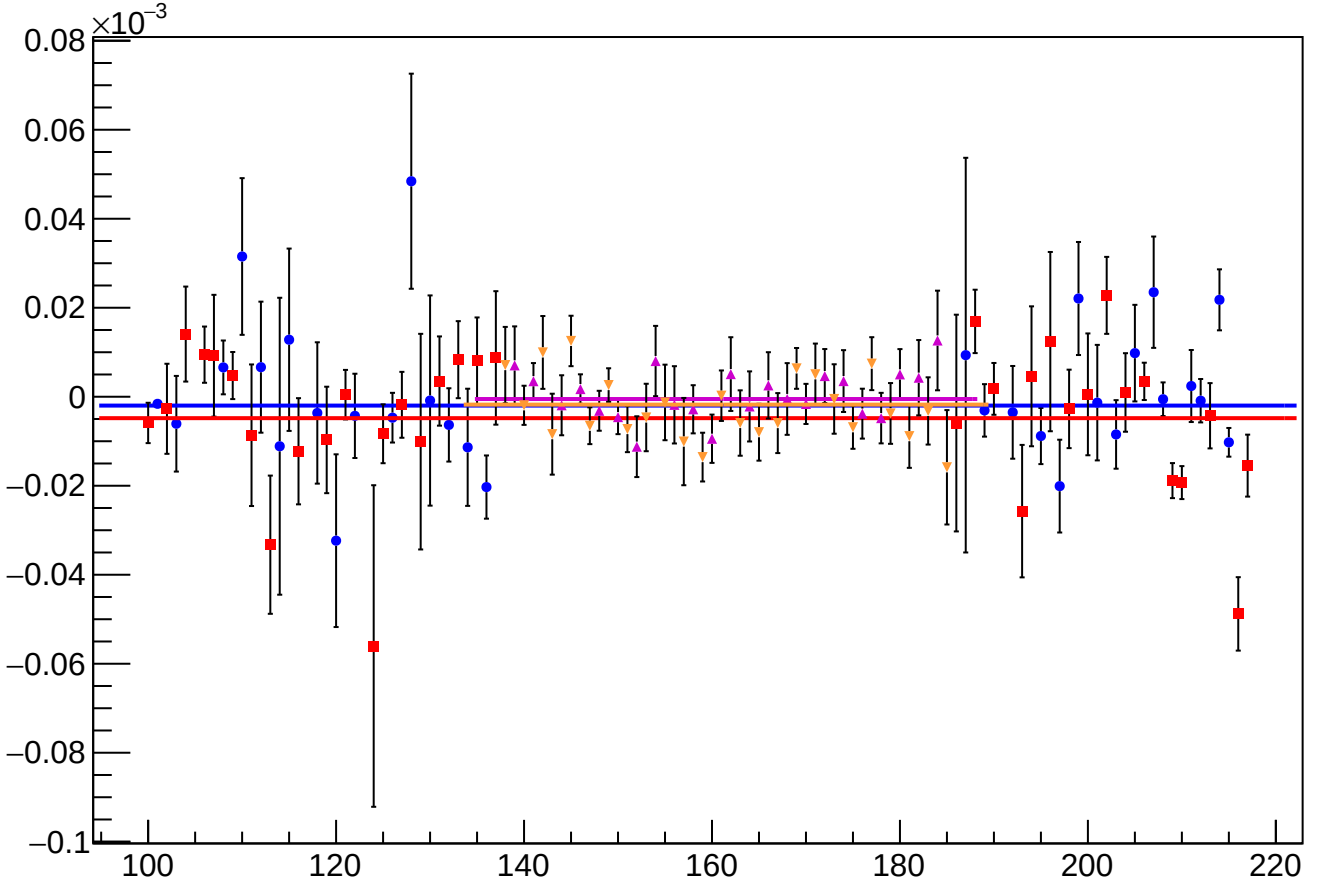
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 105.403+/-0.013 χ^2/NDF: 3312249.3/55

All: 105.378+/-0.009 χ^2/NDF: 6855921.5/113

- sign 105.353+/-0.013 χ^2/NDF: 3543664.2/57

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 54.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 112.7/34

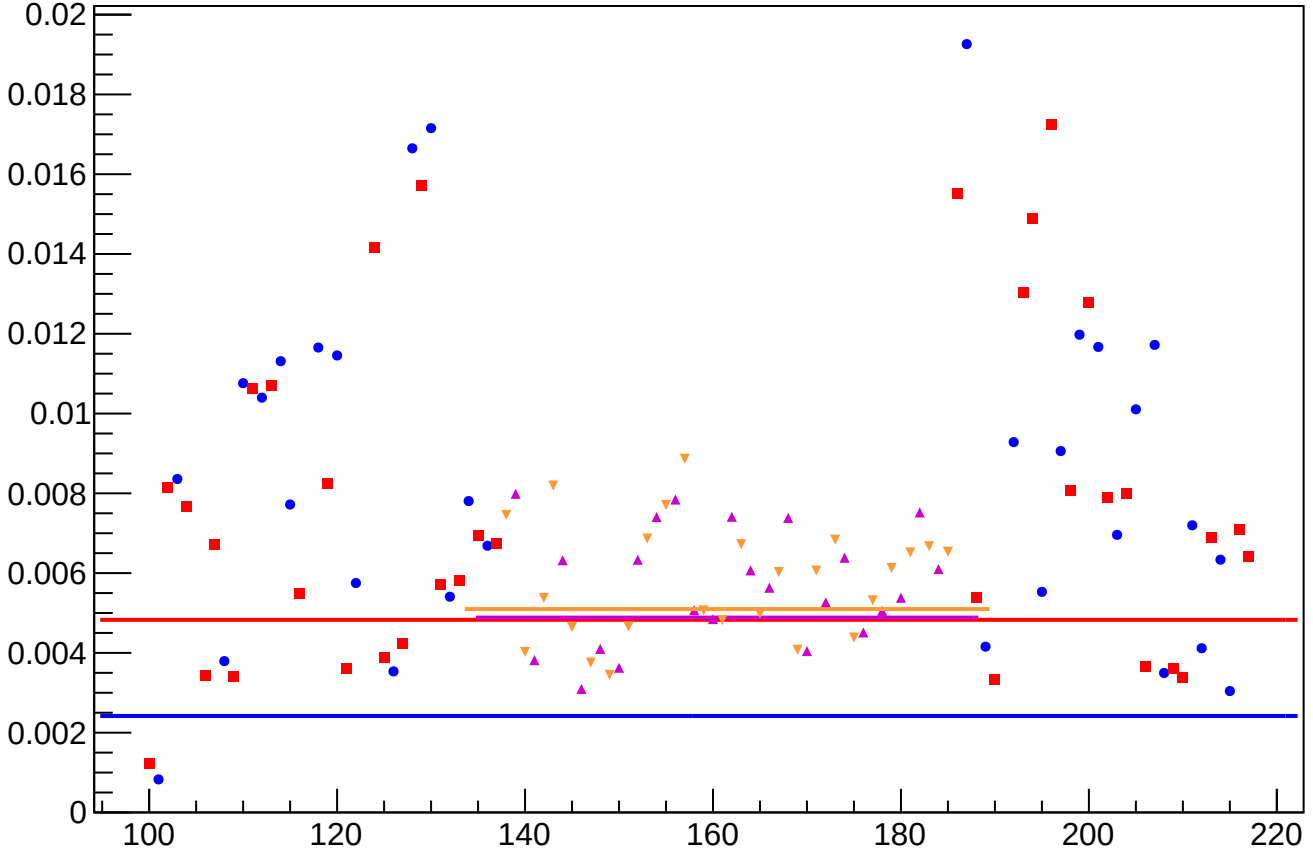
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 85.5/55

All: -0.000+/-0.000 χ^2/NDF: 220.2/113

- sign -0.000+/-0.000 χ^2/NDF: 134.4/57

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 20306092.7/30

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8719130.3/34

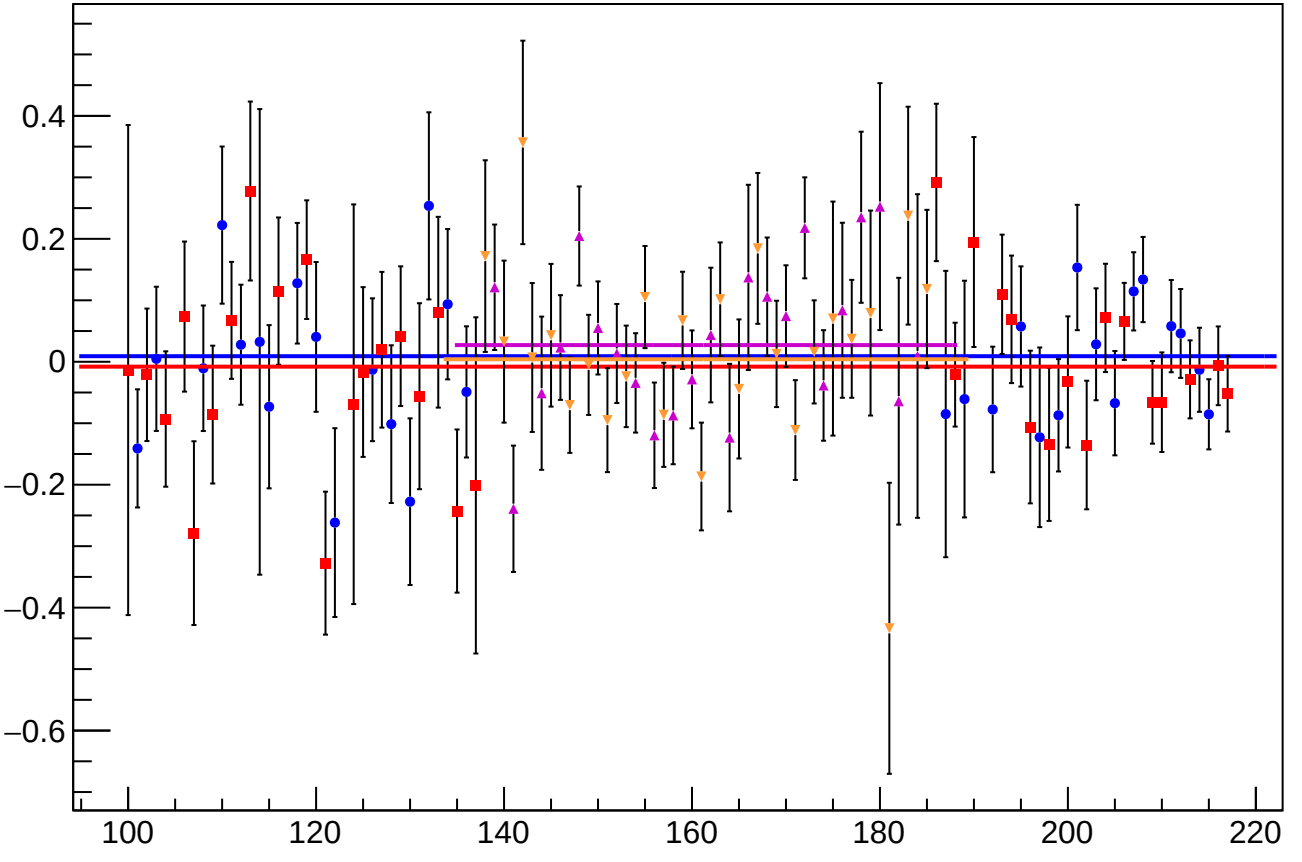
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29293845.1/55

All: 0.004+/-0.000 χ^2/NDF: 44743917.8/113

- sign 0.005+/-0.000 χ^2/NDF: 11446617.4/57

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

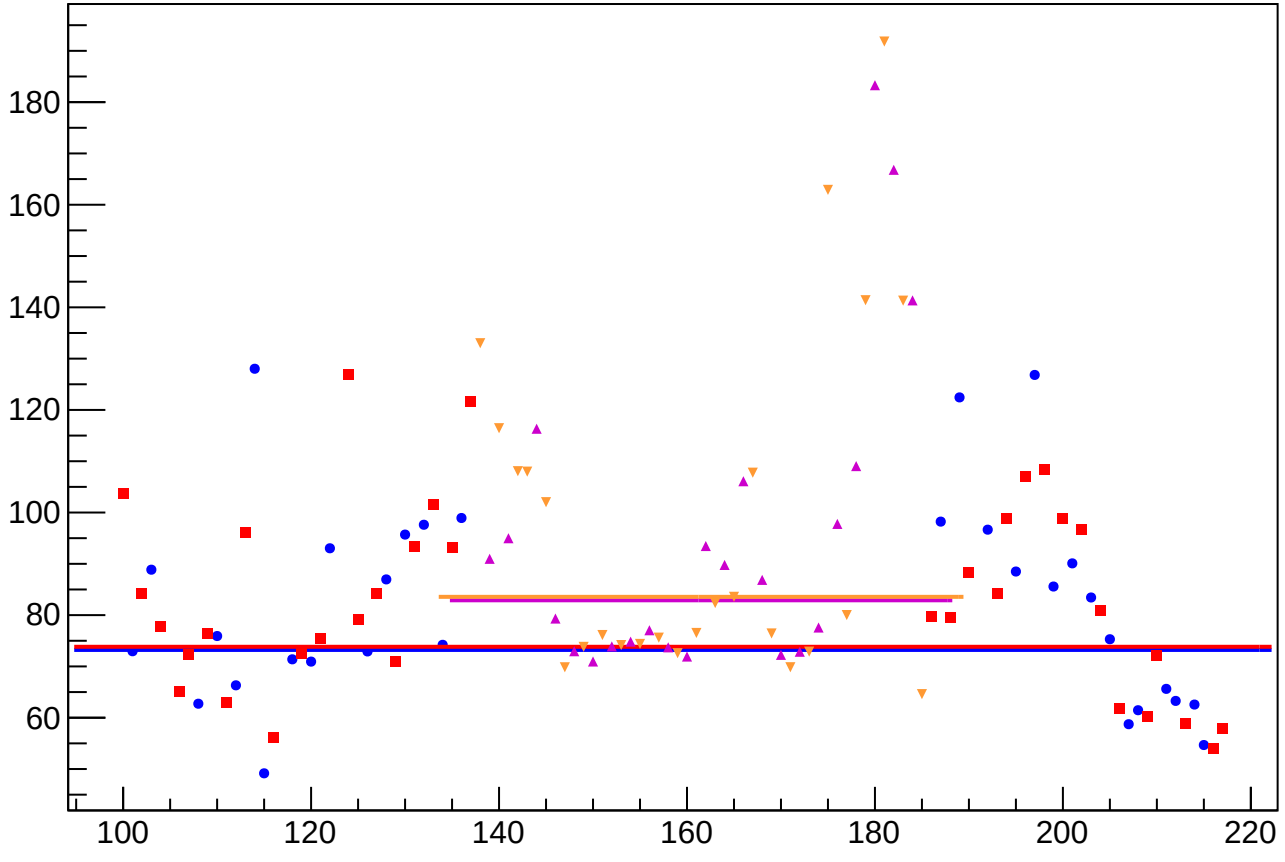
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.007+/-0.013 χ^2/NDF: 61.3/55

All: 0.007+/-0.009 χ^2/NDF: 136.6/113

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 73.214+/-0.012 χ^2/NDF: 1629585.9/30

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

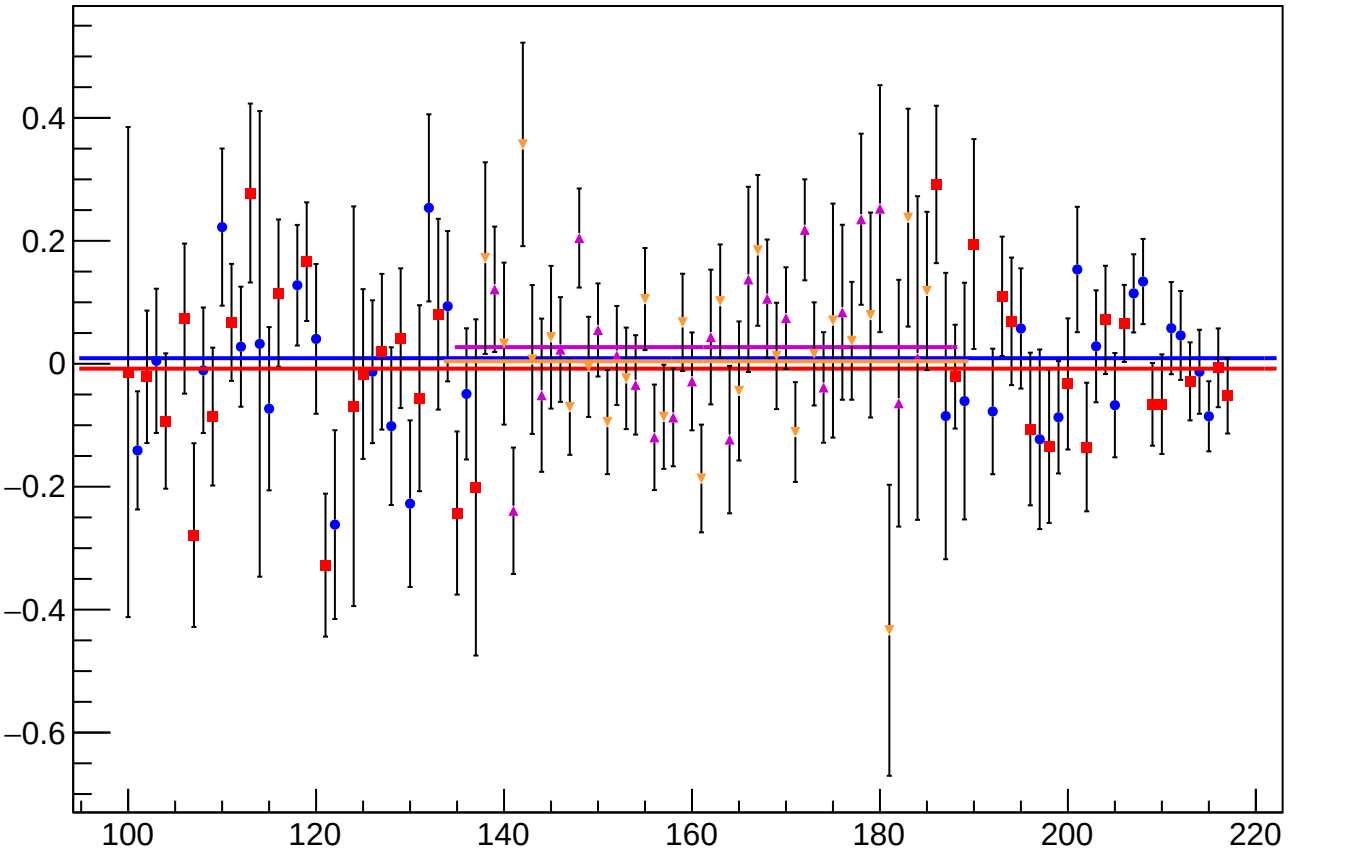
Right Out: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

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

+ sign 77.661+/-0.009 χ^2/NDF: 4099043.7/55

All: 77.608+/-0.007 χ^2/NDF: 7609193.8/113

- sign 77.556+/-0.009 χ^2/NDF: 3510088.1/57



Right In: 0.009+/-0.018 χ^2/NDF: 33.1/30

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 41.7/34

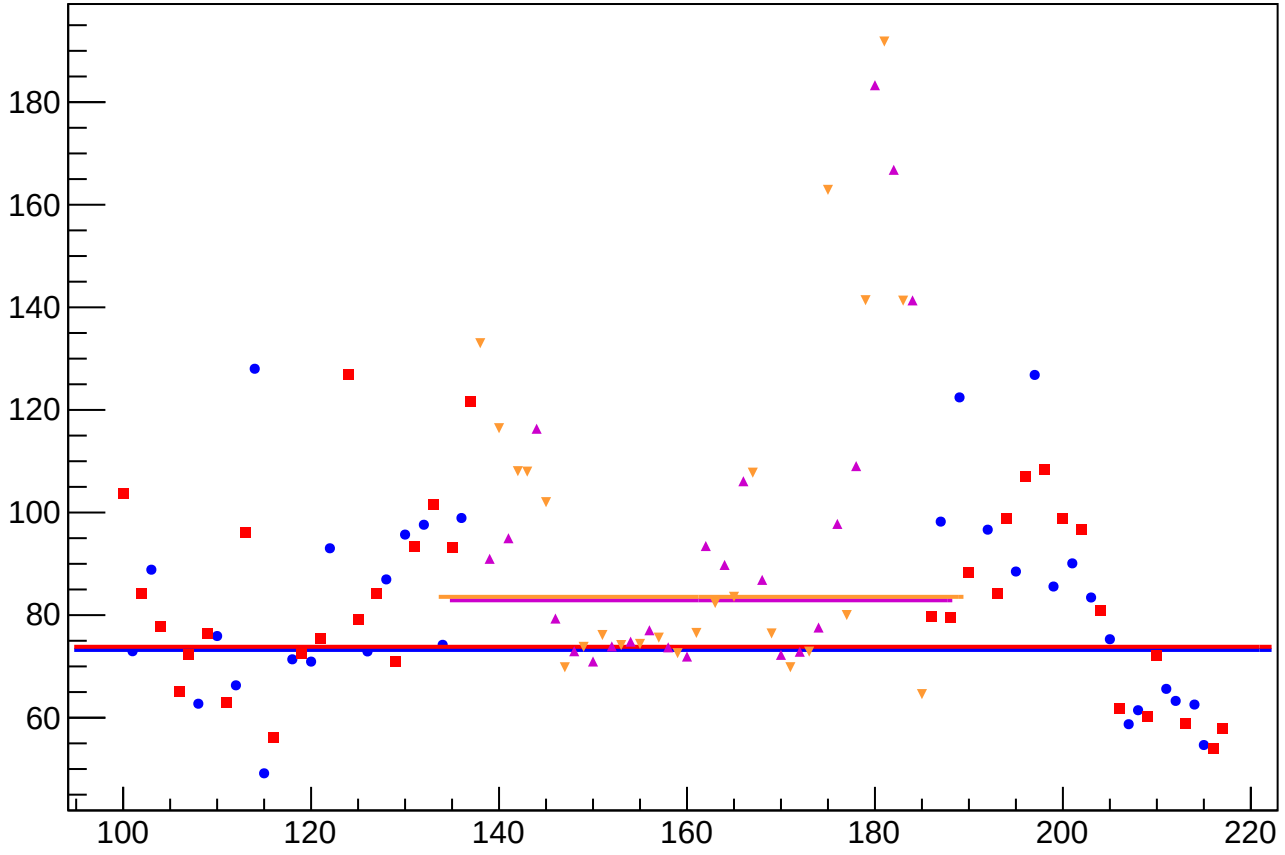
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.007+/-0.013 χ^2/NDF: 61.3/55

All: 0.007+/-0.009 χ^2/NDF: 136.6/113

- sign 0.006+/-0.013 χ^2/NDF: 75.4/57

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 73.214+/-0.012 χ^2/NDF: 1629585.9/30

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1708094.5/34

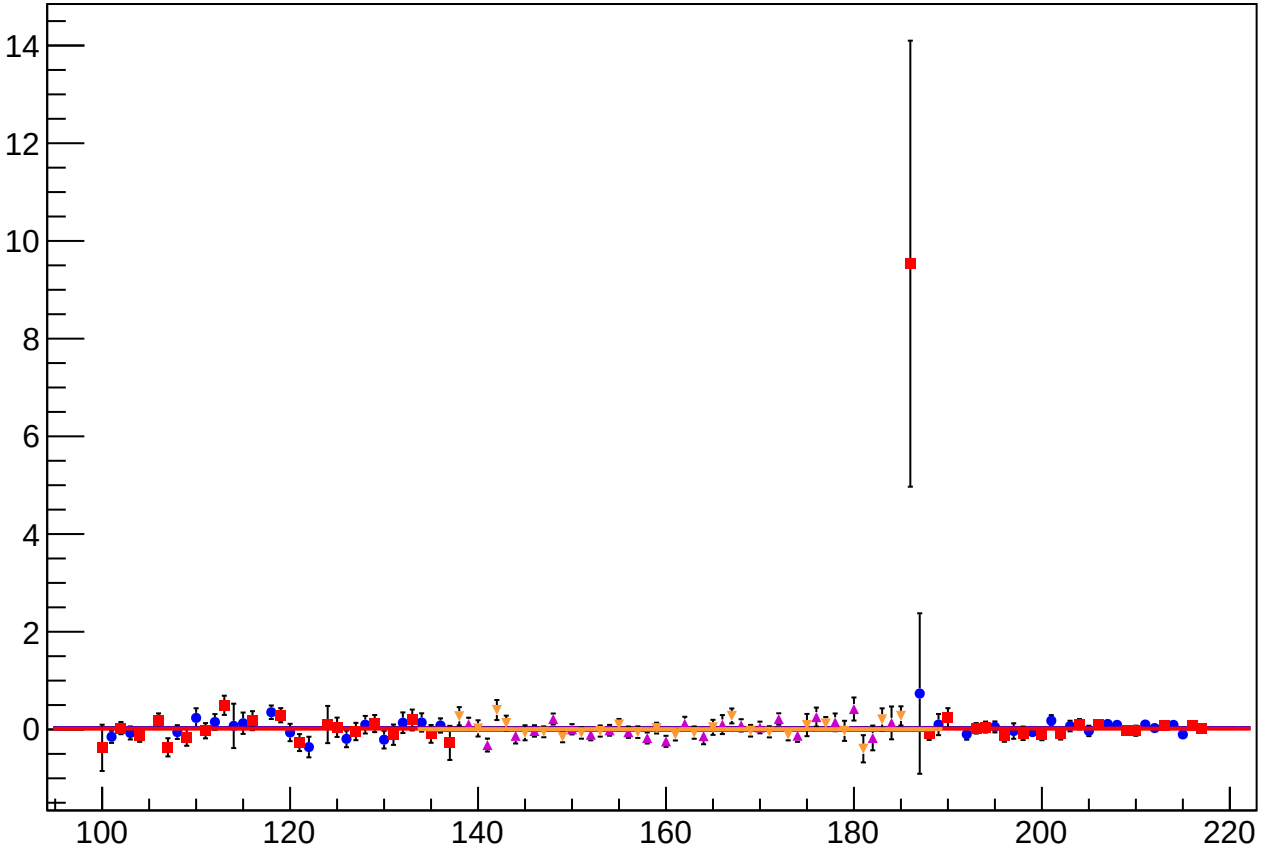
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 77.661+/-0.009 χ^2/NDF: 4099043.7/55

All: 77.608+/-0.007 χ^2/NDF: 7609193.8/113

- sign 77.556+/-0.009 χ^2/NDF: 3510088.1/57

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.029+/-0.023 χ^2/NDF: 28.0/30

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.017+/-0.023 χ^2/NDF: 37.0/34

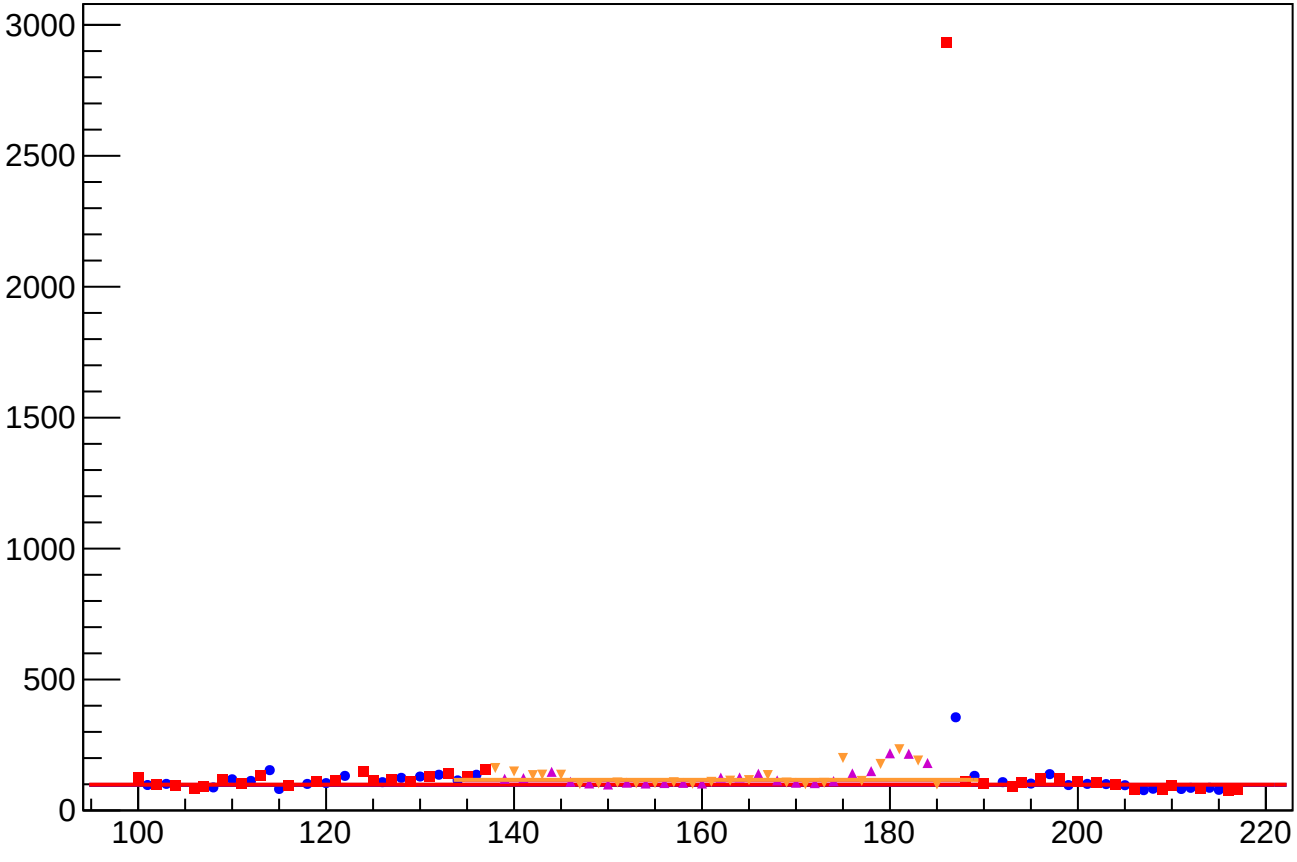
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.020+/-0.018 χ^2/NDF: 49.7/55

All: 0.013+/-0.013 χ^2/NDF: 118.9/113

- sign 0.006+/-0.018 χ^2/NDF: 68.9/57

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 97.441+/-0.016 χ^2/NDF: 1136261.3/30

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 98.508+/-0.016 χ^2/NDF: 1852676.4/34

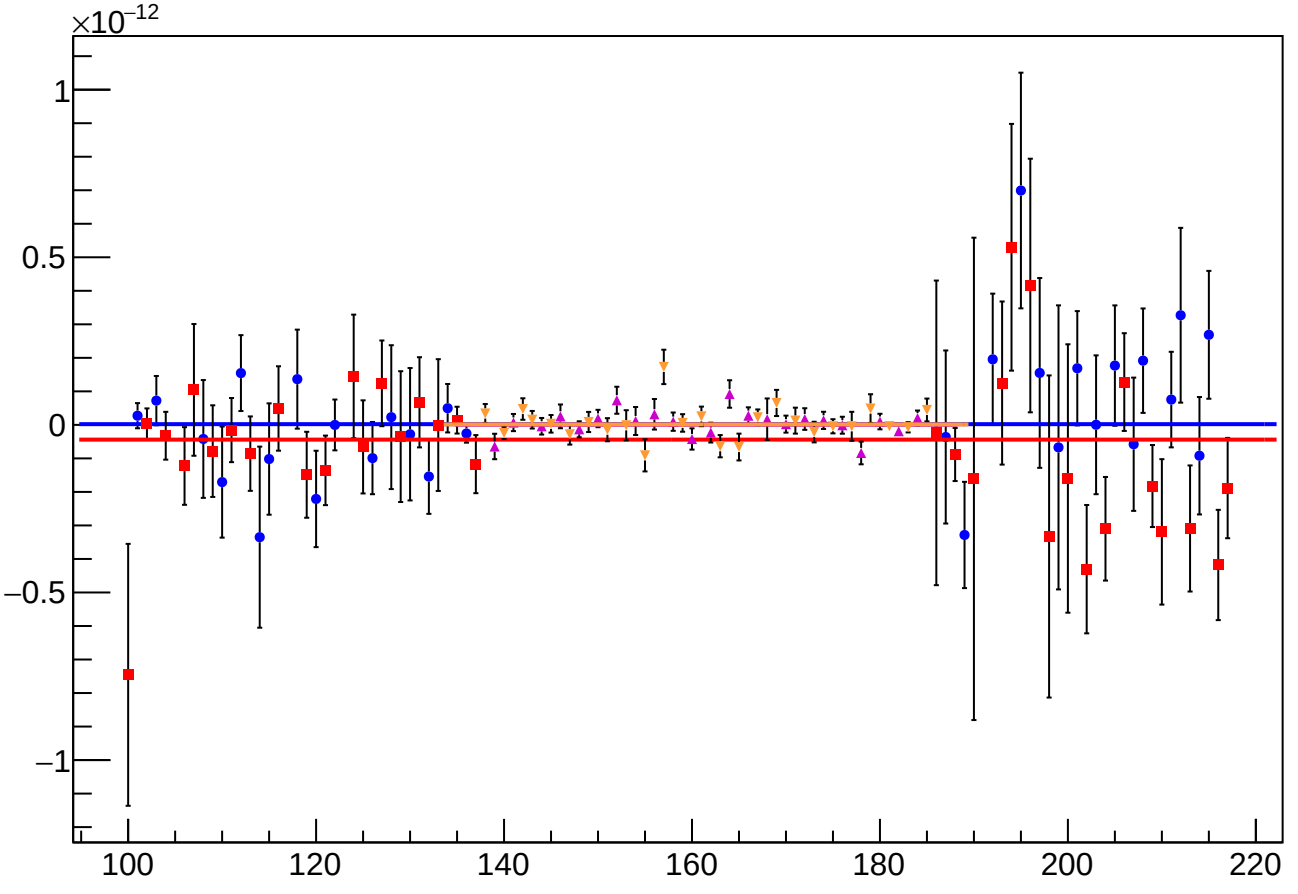
Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 105.403+/-0.013 χ^2/NDF: 3312120.4/55

All: 105.378+/-0.009 χ^2/NDF: 6855738.4/113

- sign 105.353+/-0.013 χ^2/NDF: 3543609.8/57

asym_usr_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/30

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

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/34

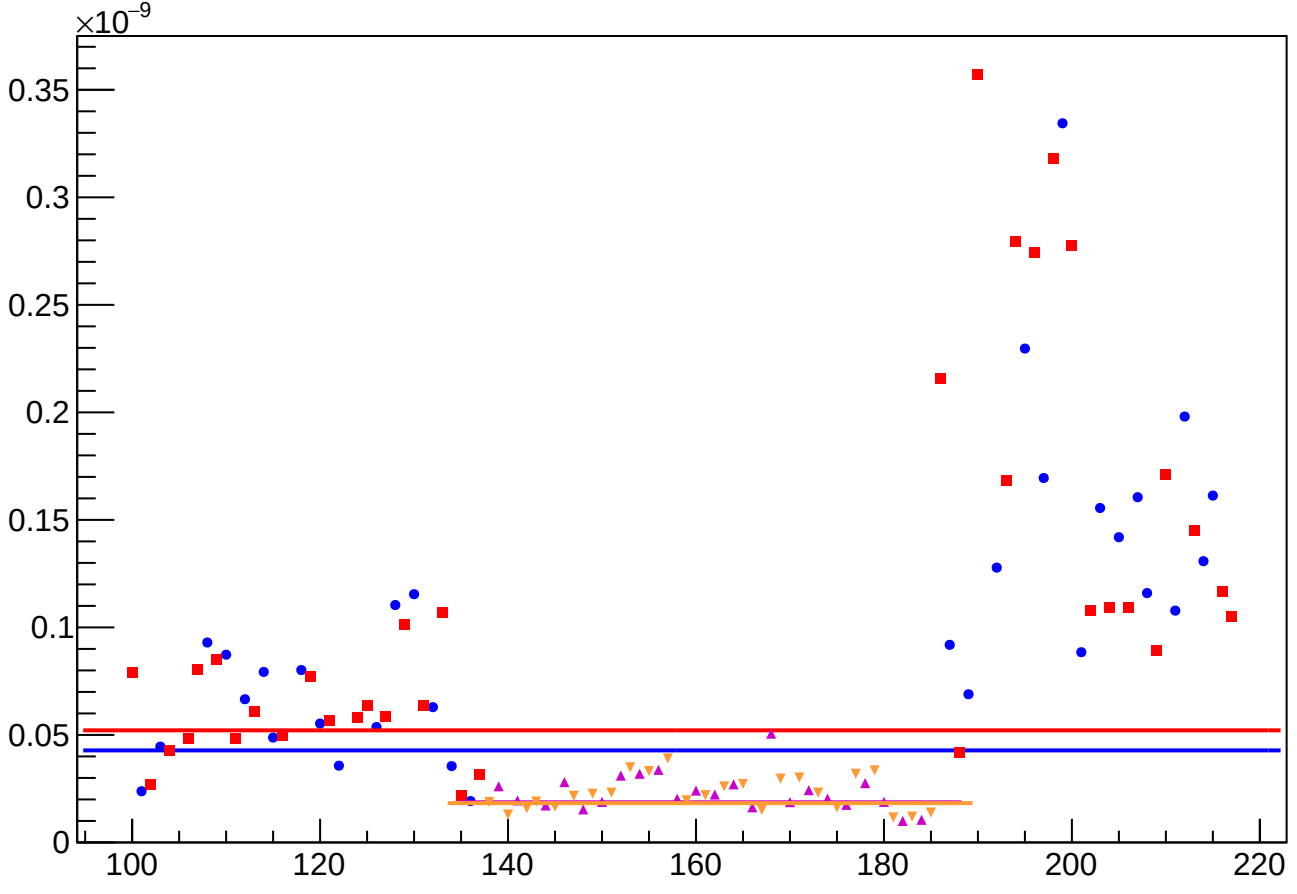
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.6/55

All: -0.000+/-0.000 χ^2/NDF: 138.3/113

- sign -0.000+/-0.000 χ^2/NDF: 70.3/57

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10489300.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8888311.4/34

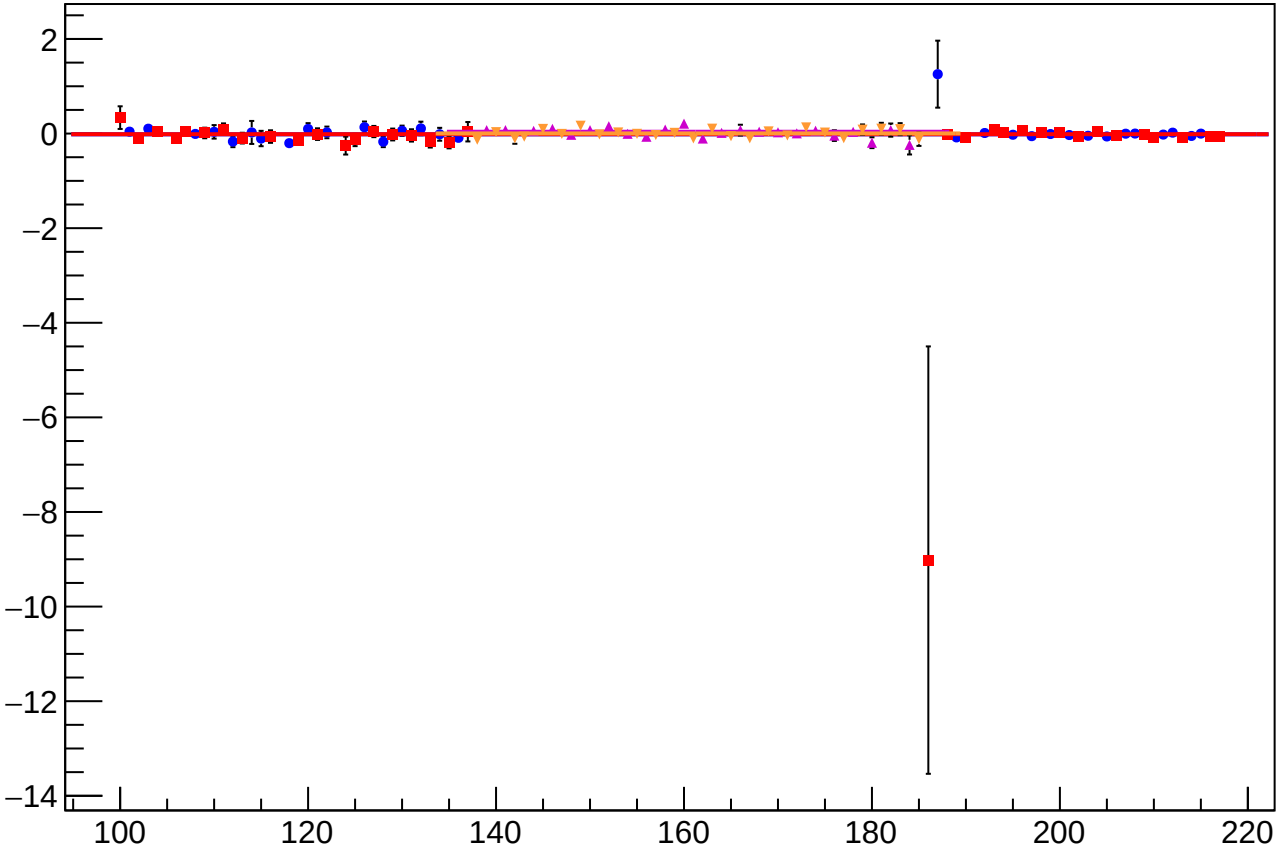
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17335448.9/55

All: 0.000+/-0.000 χ^2/NDF: 34841947.1/113

- sign 0.000+/-0.000 χ^2/NDF: 17482709.3/57

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.012 χ^2/NDF: 24.8/30

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.013+/-0.011 χ^2/NDF: 41.0/34

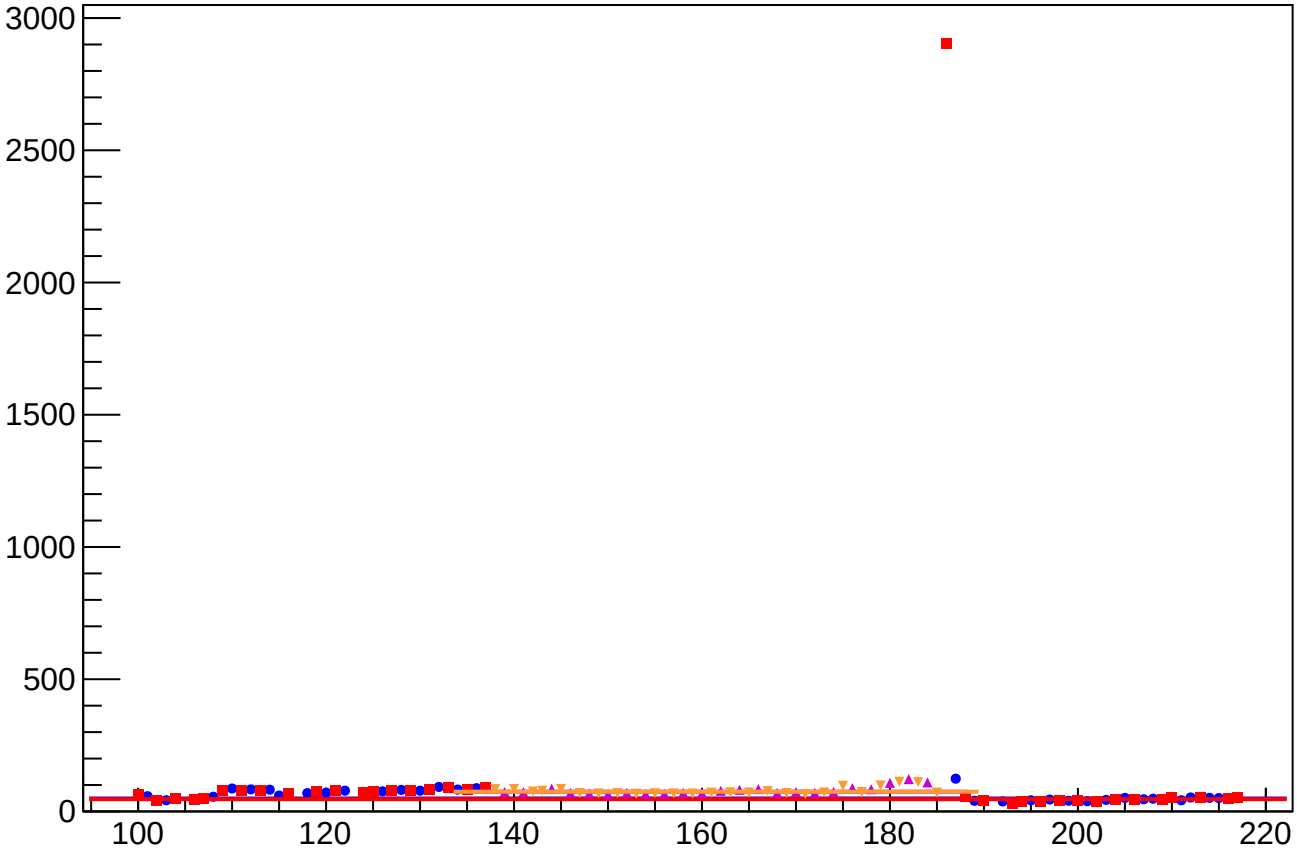
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.010 χ^2/NDF: 47.2/55

All: -0.004+/-0.007 χ^2/NDF: 116.5/113

- sign 0.001+/-0.009 χ^2/NDF: 68.7/57

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.936+/-0.008 χ^2/NDF: 2299218.8/30

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

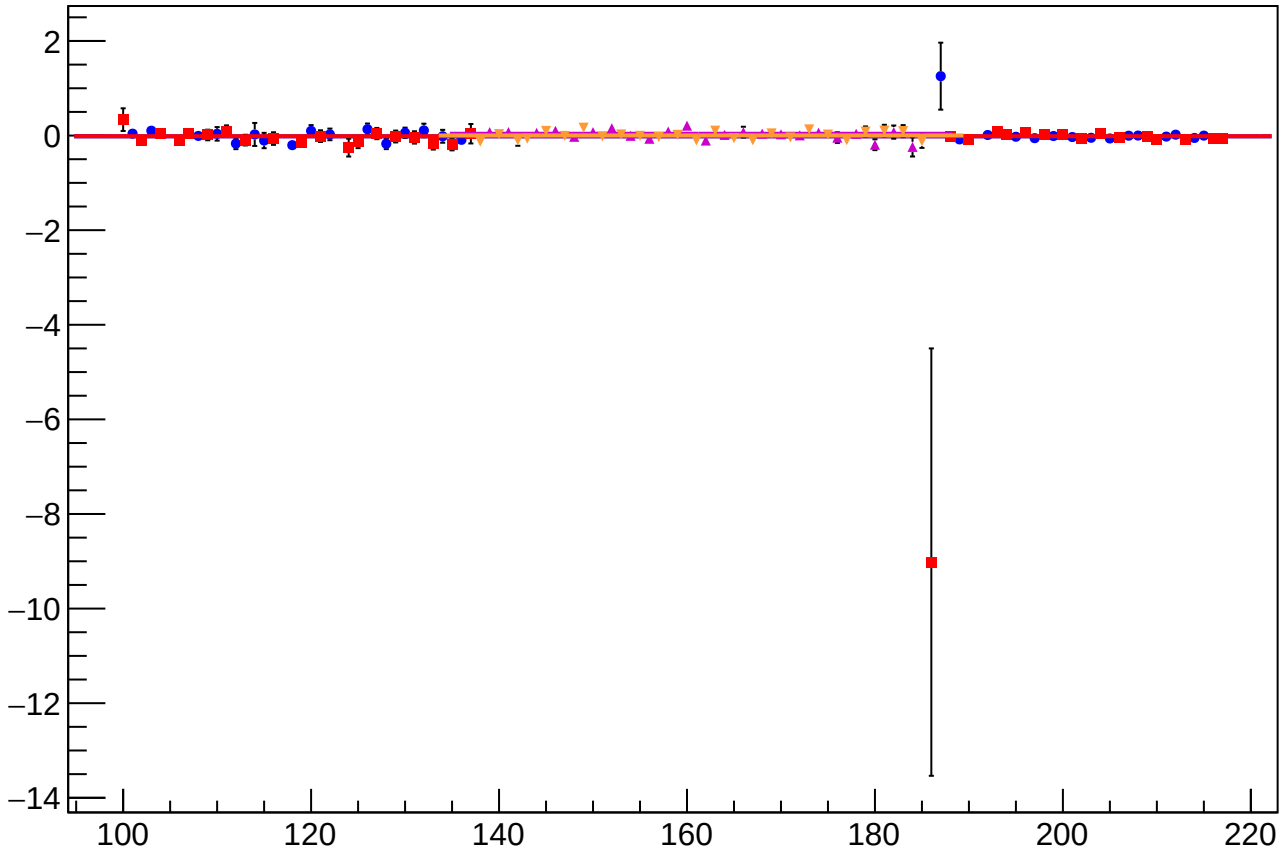
Right Out: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.096+/-0.007 χ^2/NDF: 6044775.0/55

All: 55.692+/-0.005 χ^2/NDF: 14087874.0/113

- sign 54.381+/-0.007 χ^2/NDF: 7963654.5/57



Right In: -0.016+/-0.012 χ^2/NDF: 24.8/30

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.013+/-0.011 χ^2/NDF: 41.0/34

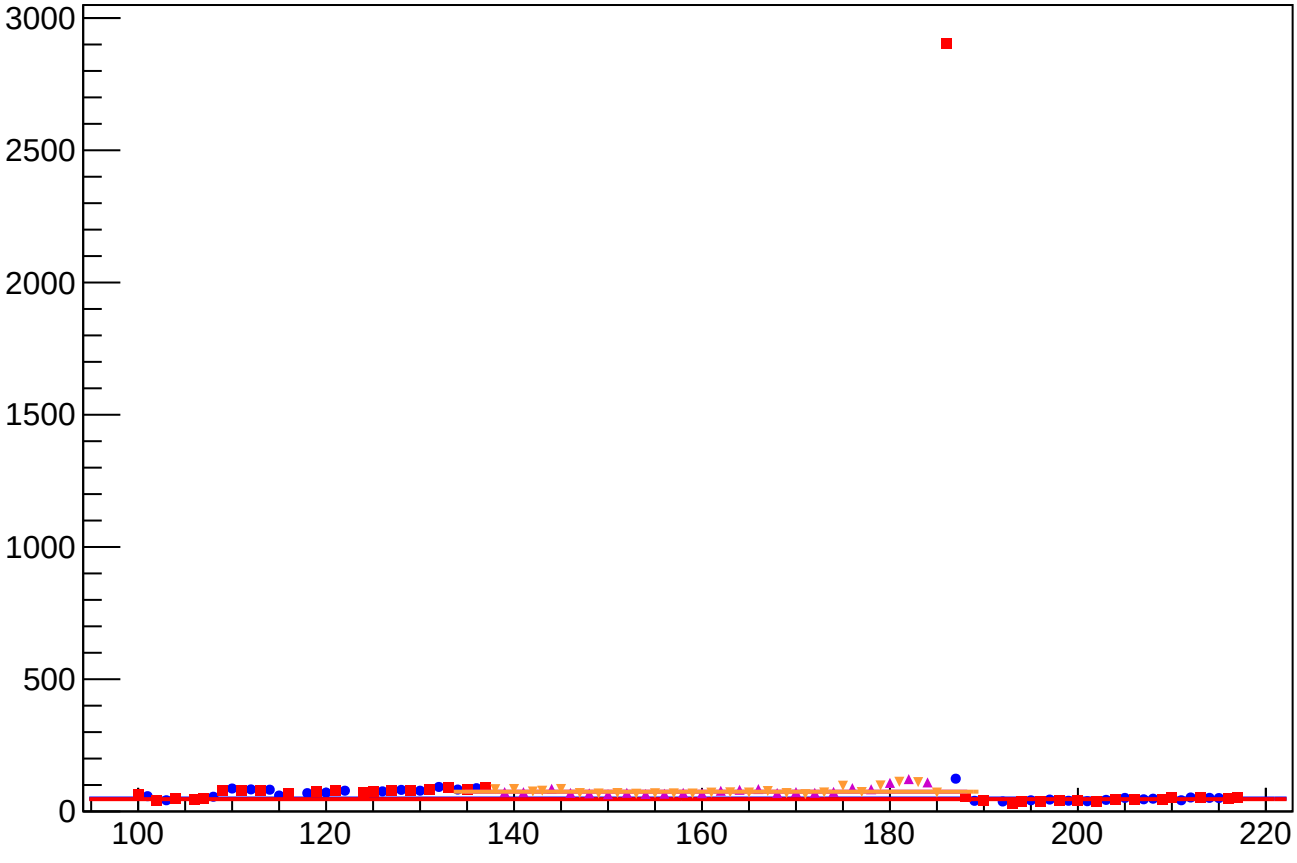
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.010 χ^2/NDF: 47.2/55

All: -0.004+/-0.007 χ^2/NDF: 116.5/113

- sign 0.001+/-0.009 χ^2/NDF: 68.7/57

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.936+/-0.008 χ^2/NDF: 2299218.8/30

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.496+/-0.008 χ^2/NDF: 3693033.3/34

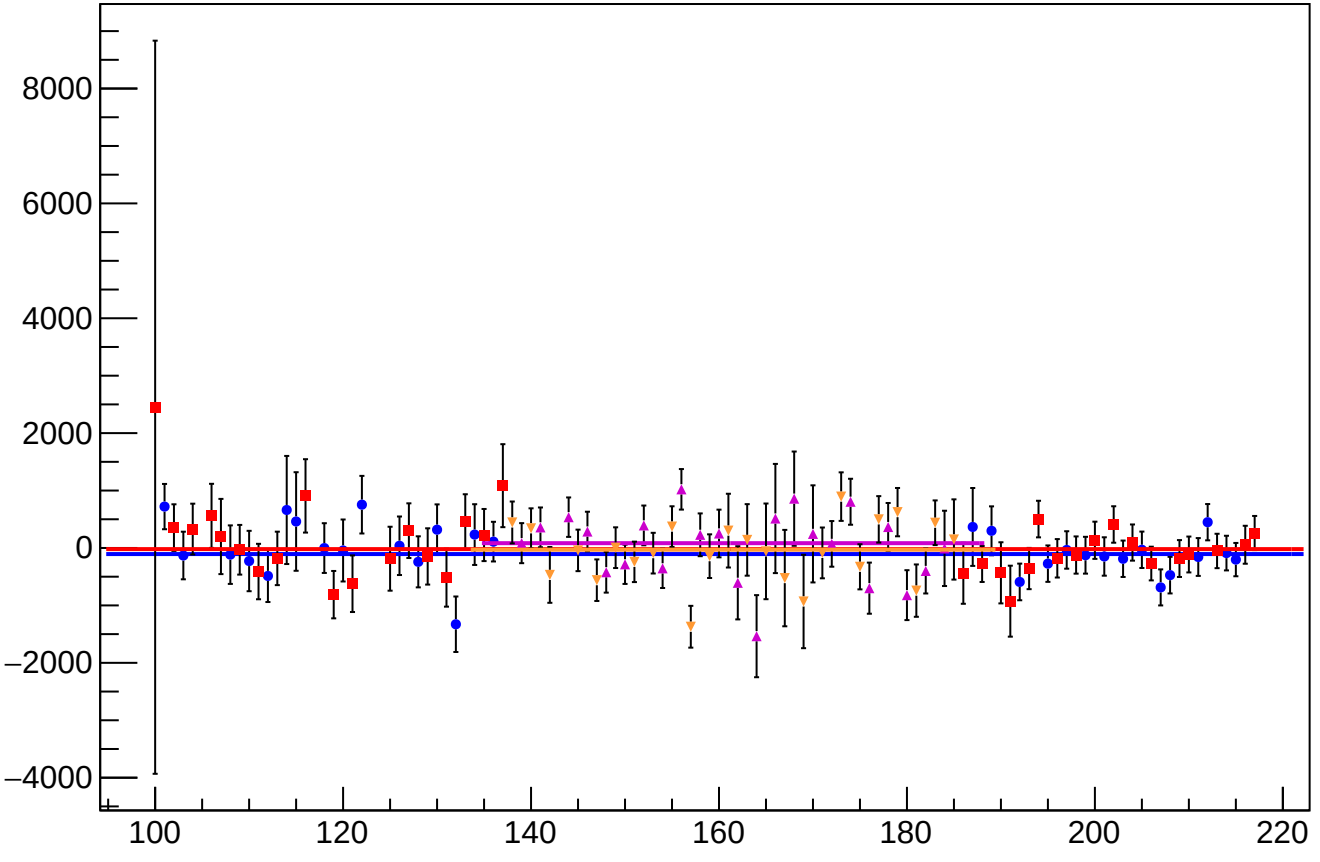
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.096+/-0.007 χ^2/NDF: 6044775.0/55

All: 55.692+/-0.005 χ^2/NDF: 14087874.0/113

- sign 54.381+/-0.007 χ^2/NDF: 7963654.5/57

asym_dsl_mean vs Slug



Right In: -105.989+/-69.388 χ^2/NDF: 29.7/30

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -19.651+/-67.561 χ^2/NDF: 28.3/34

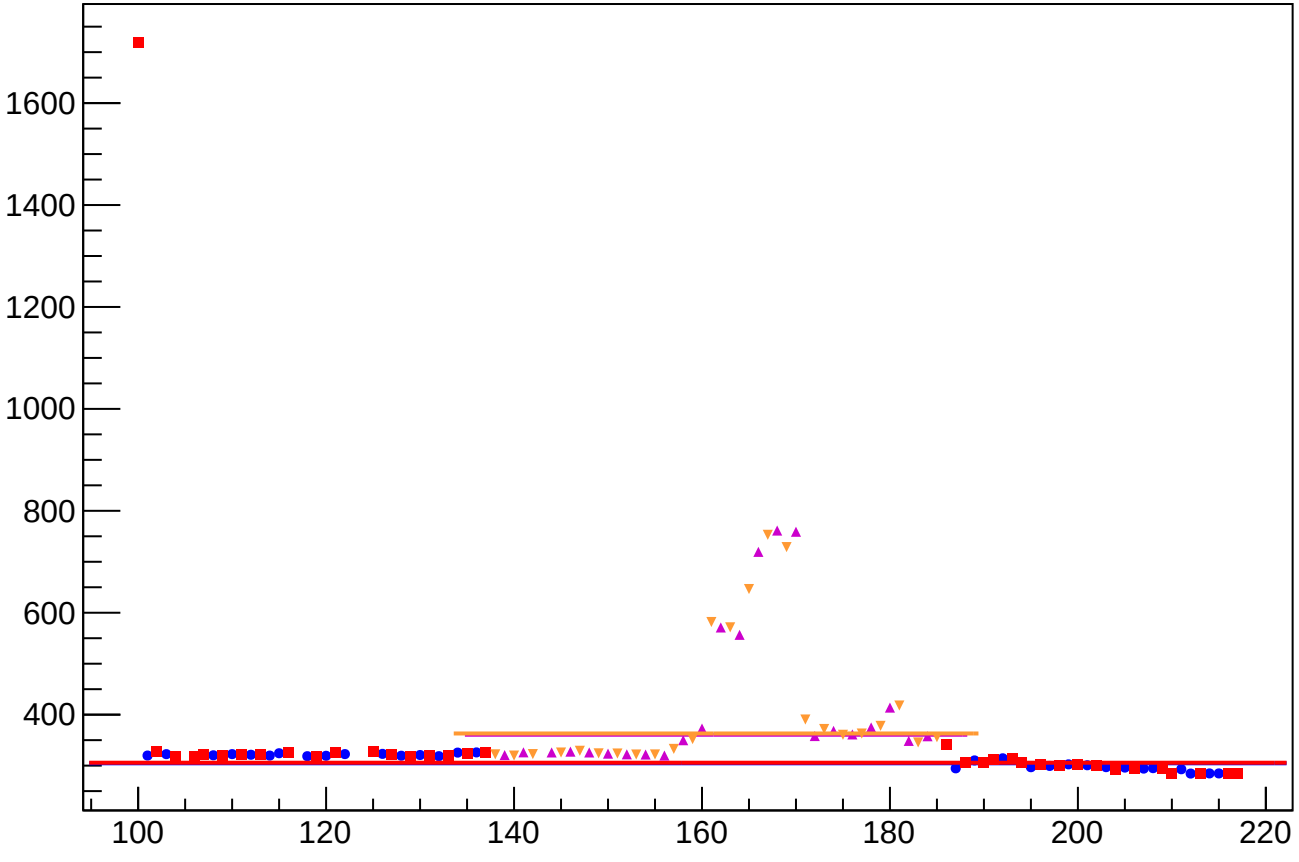
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -75.993+/-54.133 χ^2/NDF: 66.7/54

All: -27.437+/-37.958 χ^2/NDF: 133.4/112

- sign 19.530+/-53.239 χ^2/NDF: 65.0/57

asym_dsl_rms vs Slug



Right In: 304.566+/-0.049 χ^2/NDF: 81385.9/30

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 305.707+/-0.048 χ^2/NDF: 194302.7/34

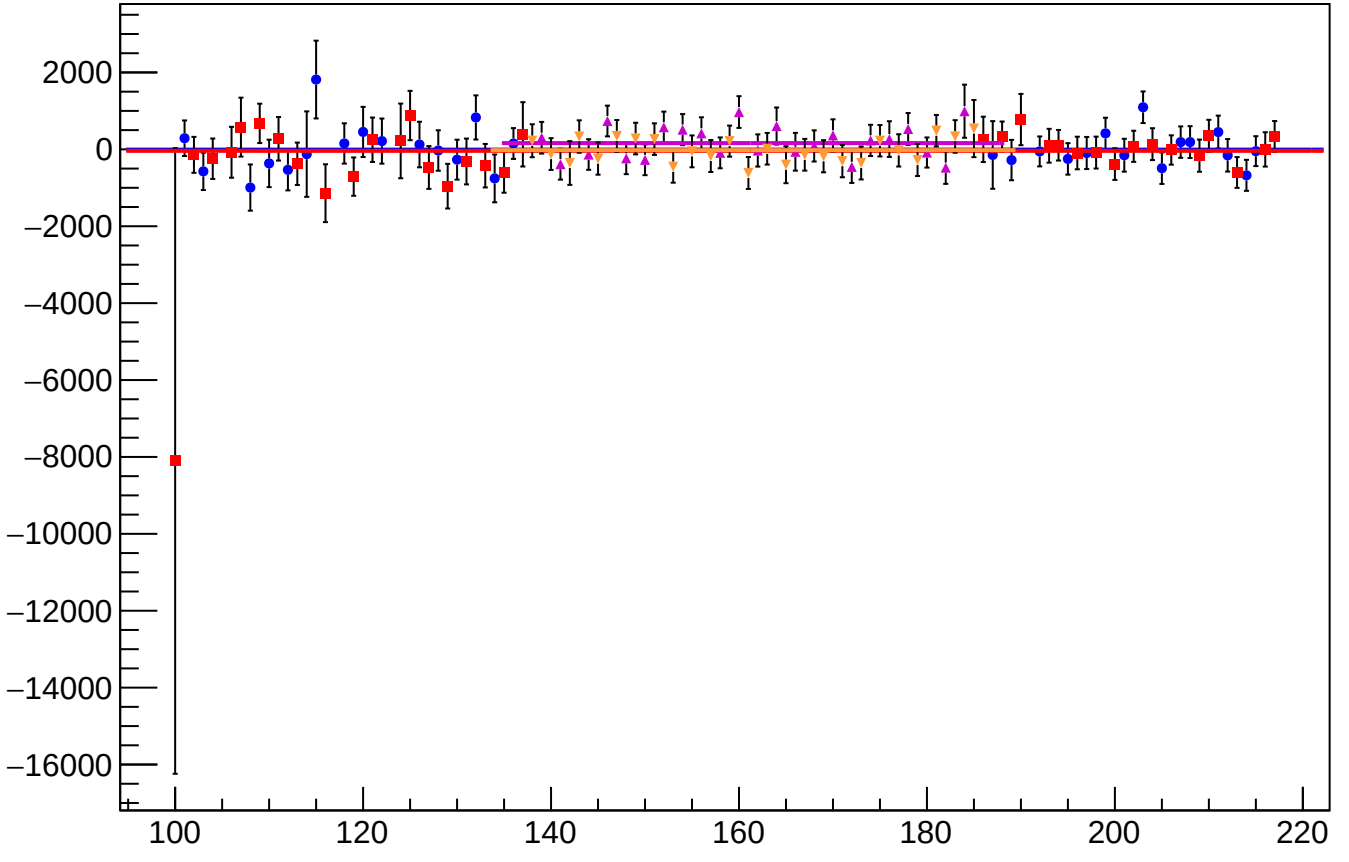
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 327.466+/-0.038 χ^2/NDF: 2433571.6/54

All: 326.979+/-0.027 χ^2/NDF: 4946042.9/112

- sign 326.508+/-0.038 χ^2/NDF: 2512152.5/57

asym_dsr_mean vs Slug



Right In: -7.358+/-86.799 χ^2/NDF: 28.7/30

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -38.814+/-84.548 χ^2/NDF: 23.6/34

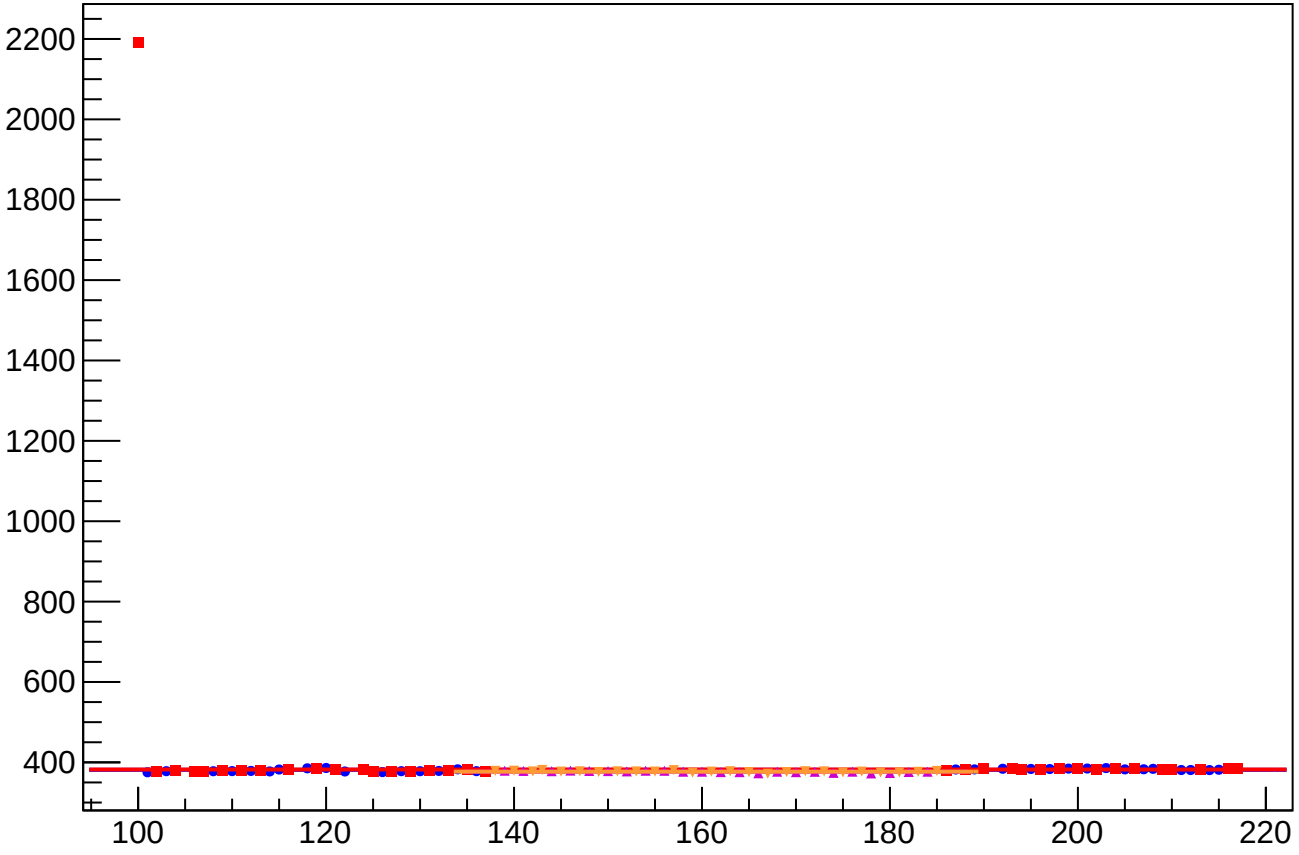
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -14.303+/-60.955 χ^2/NDF: 41.3/55

All: 21.874+/-43.105 χ^2/NDF: 90.1/113

- sign 58.062+/-60.965 χ^2/NDF: 48.1/57

asym_dsr_rms vs Slug



Right In: 381.438+/-0.061 χ^2/NDF: 2253.4/30

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 382.137+/-0.060 χ^2/NDF: 100800.7/34

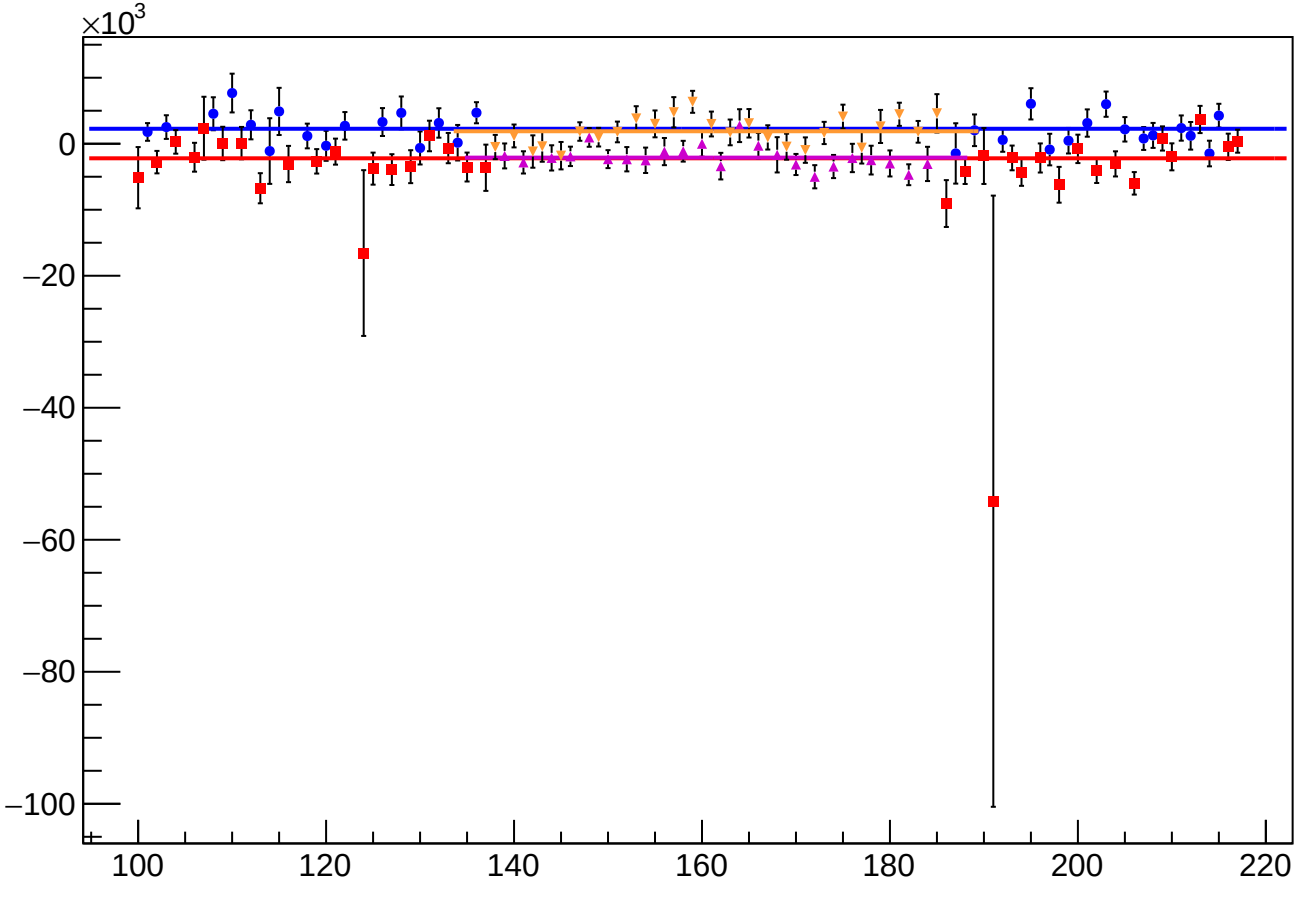
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 379.141+/-0.043 χ^2/NDF: 6075.6/55

All: 379.369+/-0.030 χ^2/NDF: 111766.3/113

- sign 379.597+/-0.043 χ^2/NDF: 105634.8/57

asym_us_agg_avg_mean vs Slug



Right In: 2267.262+/-375.449 χ^2/NDF: 29.6/30

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2208.092+/-375.919 χ^2/NDF: 44.7/35

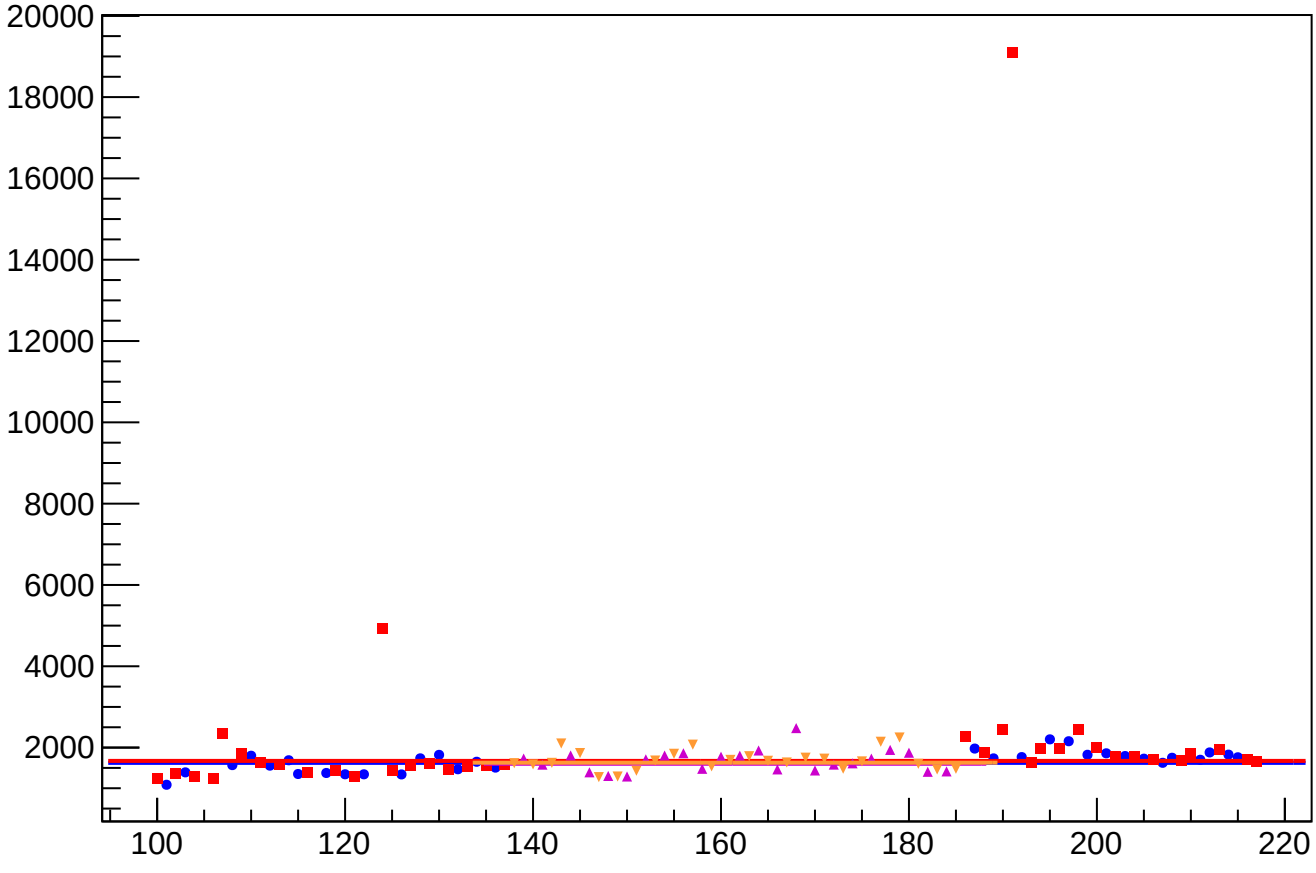
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2079.152+/-265.426 χ^2/NDF: 58.5/55

All: -27.164+/-188.209 χ^2/NDF: 248.4/114

- sign -2157.179+/-266.915 χ^2/NDF: 63.3/58

asym_us_agg_avg_rms vs Slug



Right In: 1624.076+/-0.265 χ^2/NDF: 945526.8/30

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1672.470+/-0.266 χ^2/NDF: 1421233.4/35

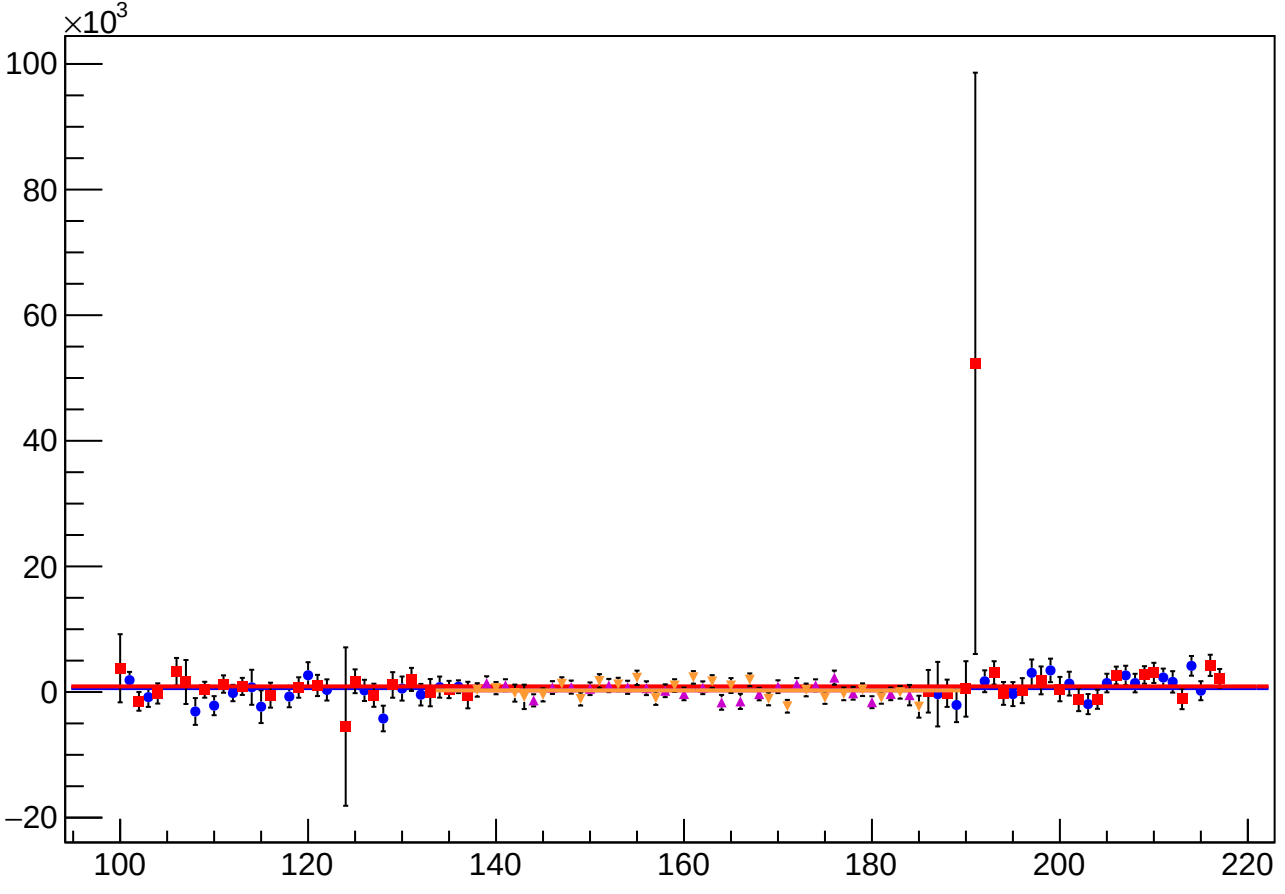
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1626.279+/-0.188 χ^2/NDF: 1724759.1/55

All: 1631.747+/-0.133 χ^2/NDF: 3976772.0/11

- sign 1637.277+/-0.189 χ^2/NDF: 2250305.4/58

asym_us_agg_dd_mean vs Slug



Right In: 624.308+/-302.729 χ^2/NDF: 34.7/30

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 895.604+/-303.463 χ^2/NDF: 25.3/35

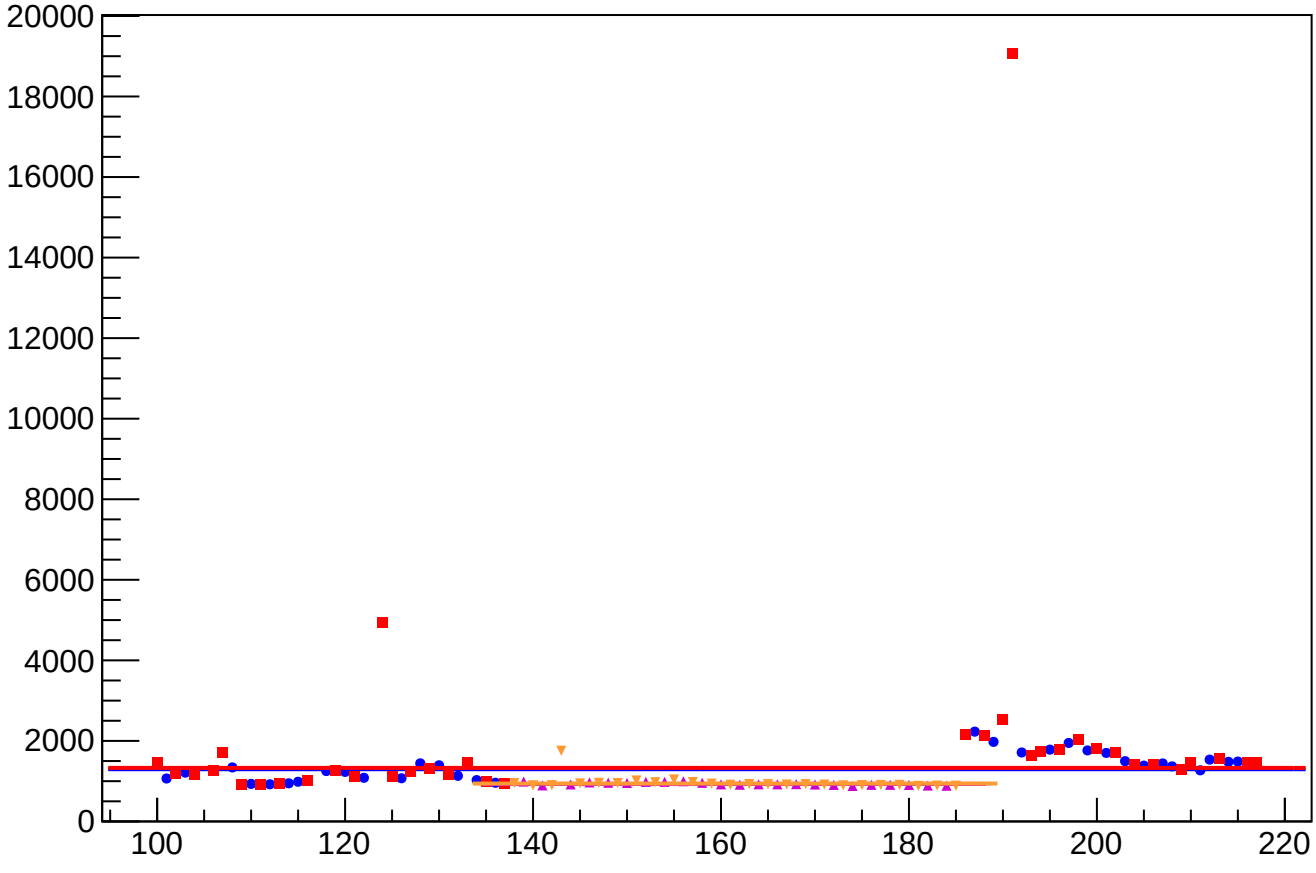
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 383.700+/-175.270 χ^2/NDF: 69.5/55

All: 431.709+/-124.501 χ^2/NDF: 119.2/114

- sign 480.605+/-176.882 χ^2/NDF: 49.5/58

asym_us_agg_dd_rms vs Slug



Right In: 1296.808+/-0.214 χ^2/NDF: 1777220.2/30

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1329.920+/-0.215 χ^2/NDF: 2724448.4/35

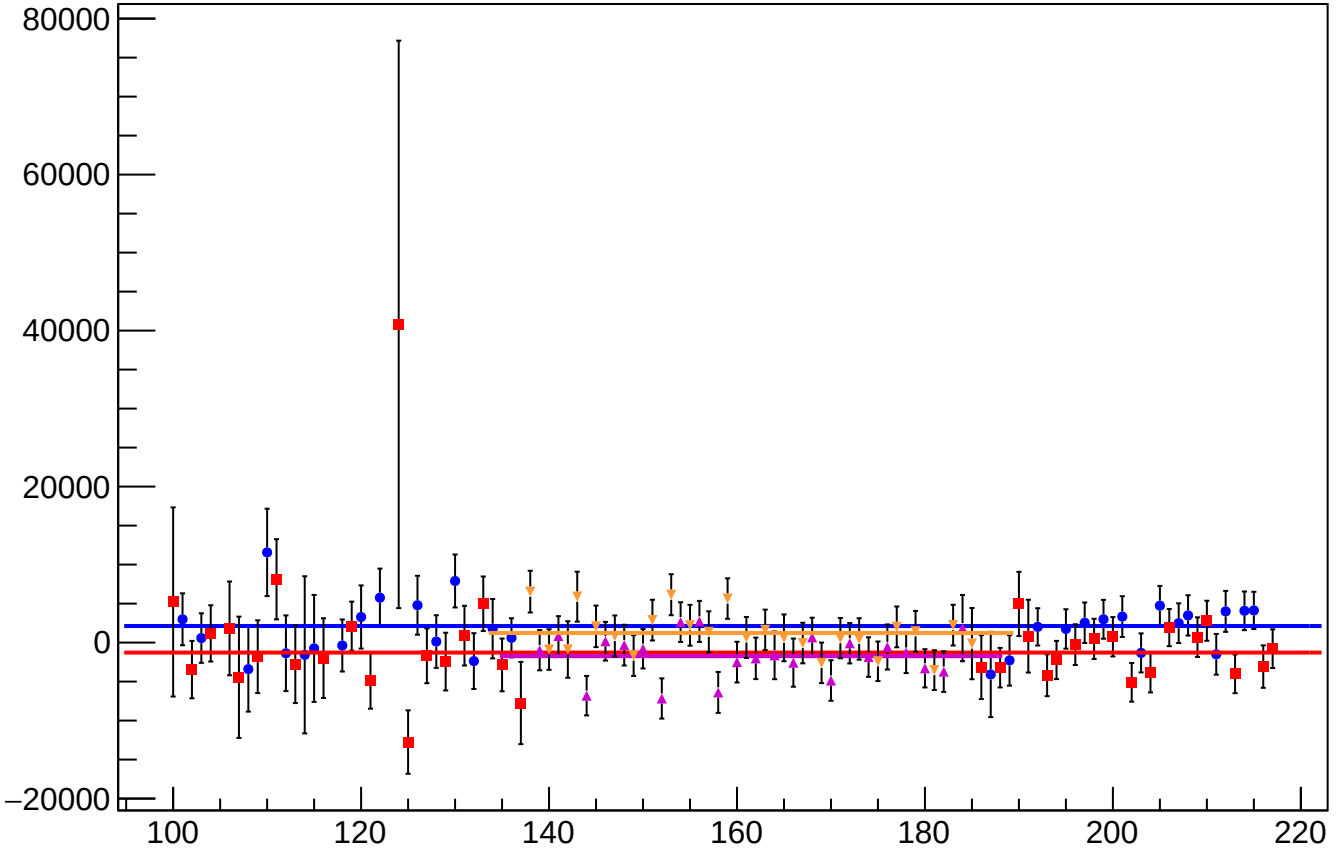
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1060.276+/-0.124 χ^2/NDF: 4031514.8/55

All: 1063.559+/-0.088 χ^2/NDF: 9081785.8/11

- sign 1066.903+/-0.125 χ^2/NDF: 5048854.6/58

reg_asym_atl1_mean vs Slug



Right In: 2122.109+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1278.524+/-544.508 χ^2/NDF: 37.7/35

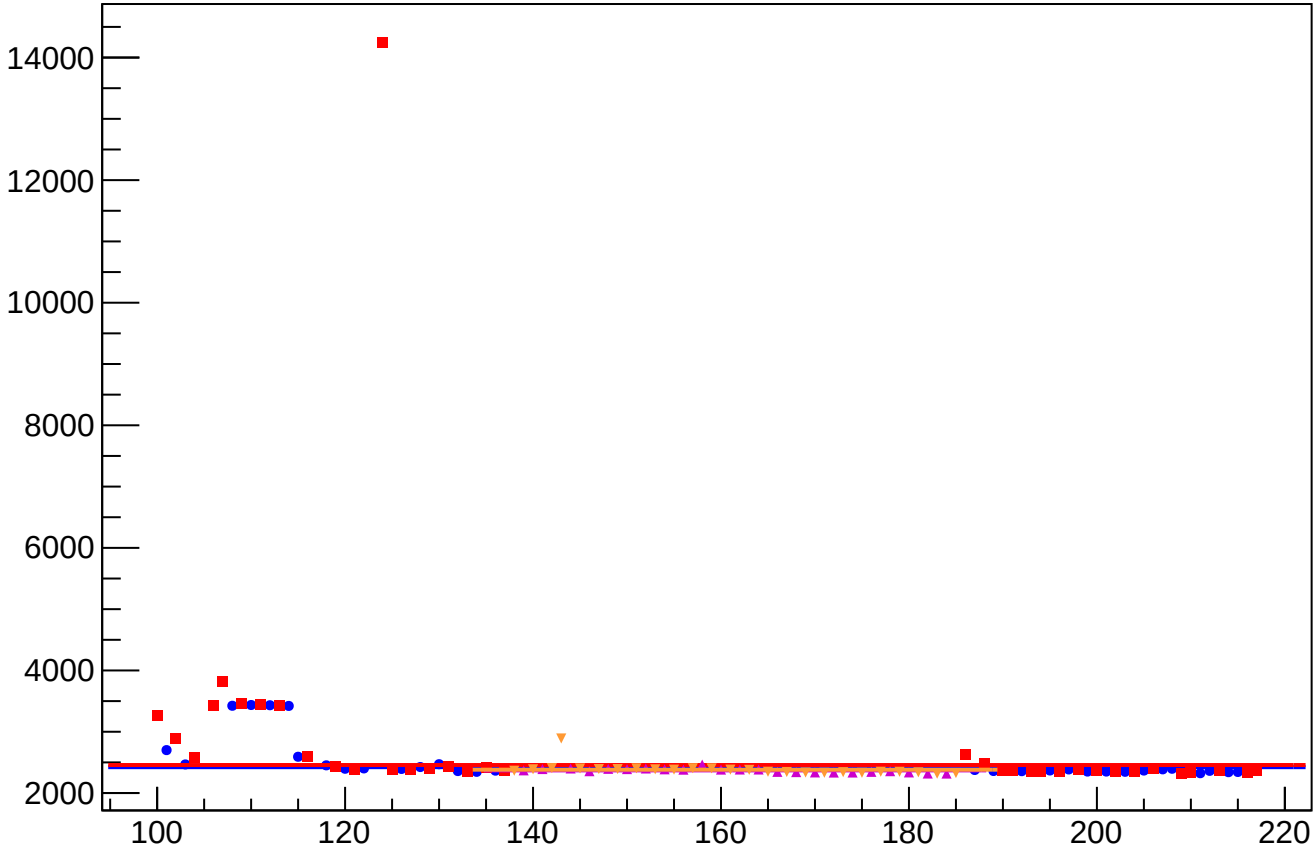
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1668.770+/-386.889 χ^2/NDF: 48.0/55

All: 86.051+/-273.992 χ^2/NDF: 144.0/114

- sign -1506.437+/-388.081 χ^2/NDF: 62.4/58

reg_asym_atl1_rms vs Slug



Right In: 2422.068+/-0.391 χ^2/NDF: 276971.2/30

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.053+/-0.385 χ^2/NDF: 656683.2/35

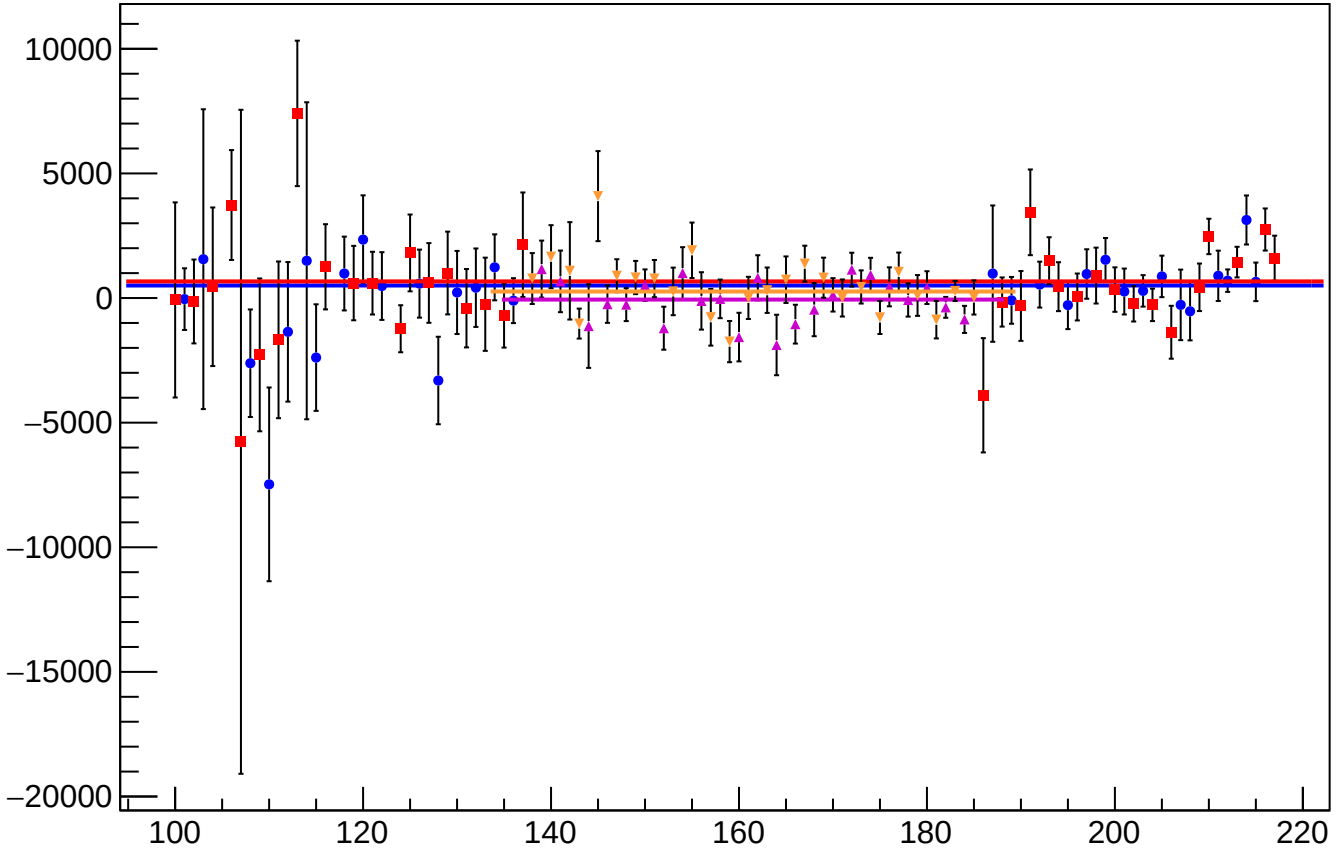
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2401.208+/-0.274 χ^2/NDF: 340161.2/55

All: 2407.543+/-0.194 χ^2/NDF: 1030464.1/11

- sign 2413.917+/-0.274 χ^2/NDF: 689227.1/58

asym_atl1_reg_correction_mean vs Slug



Right In: 503.206+/-192.831 χ^2/NDF: 27.2/30

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 667.782+/-191.440 χ^2/NDF: 48.2/35

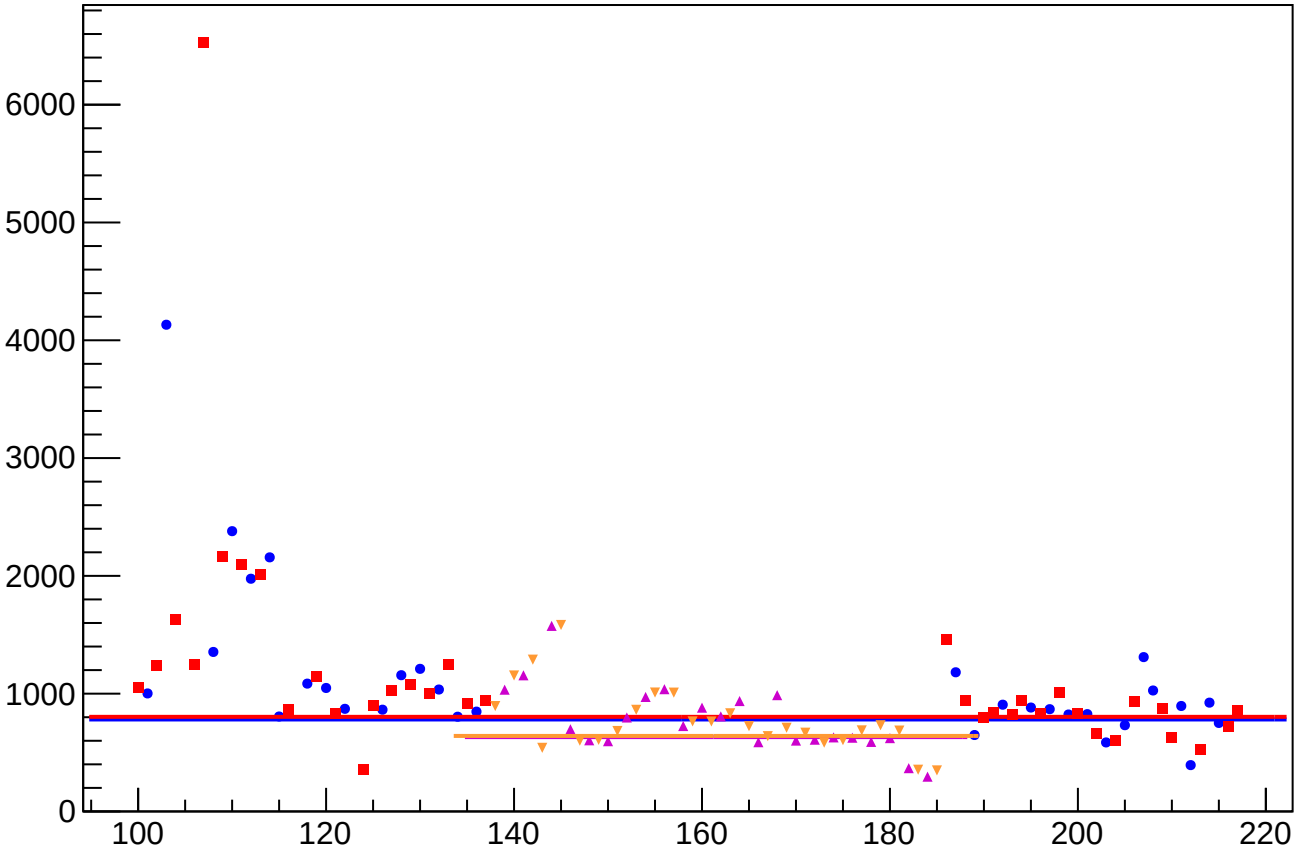
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 355.863+/-120.339 χ^2/NDF: 59.3/55

All: 294.745+/-85.527 χ^2/NDF: 138.6/114

- sign 232.360+/-121.579 χ^2/NDF: 78.8/58

asym_atl1_reg_correction_rms vs Slug



Right In: 780.884+/-0.136 χ^2/NDF: 4336567.8/30

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.234+/-0.135 χ^2/NDF: 3809885.4/35

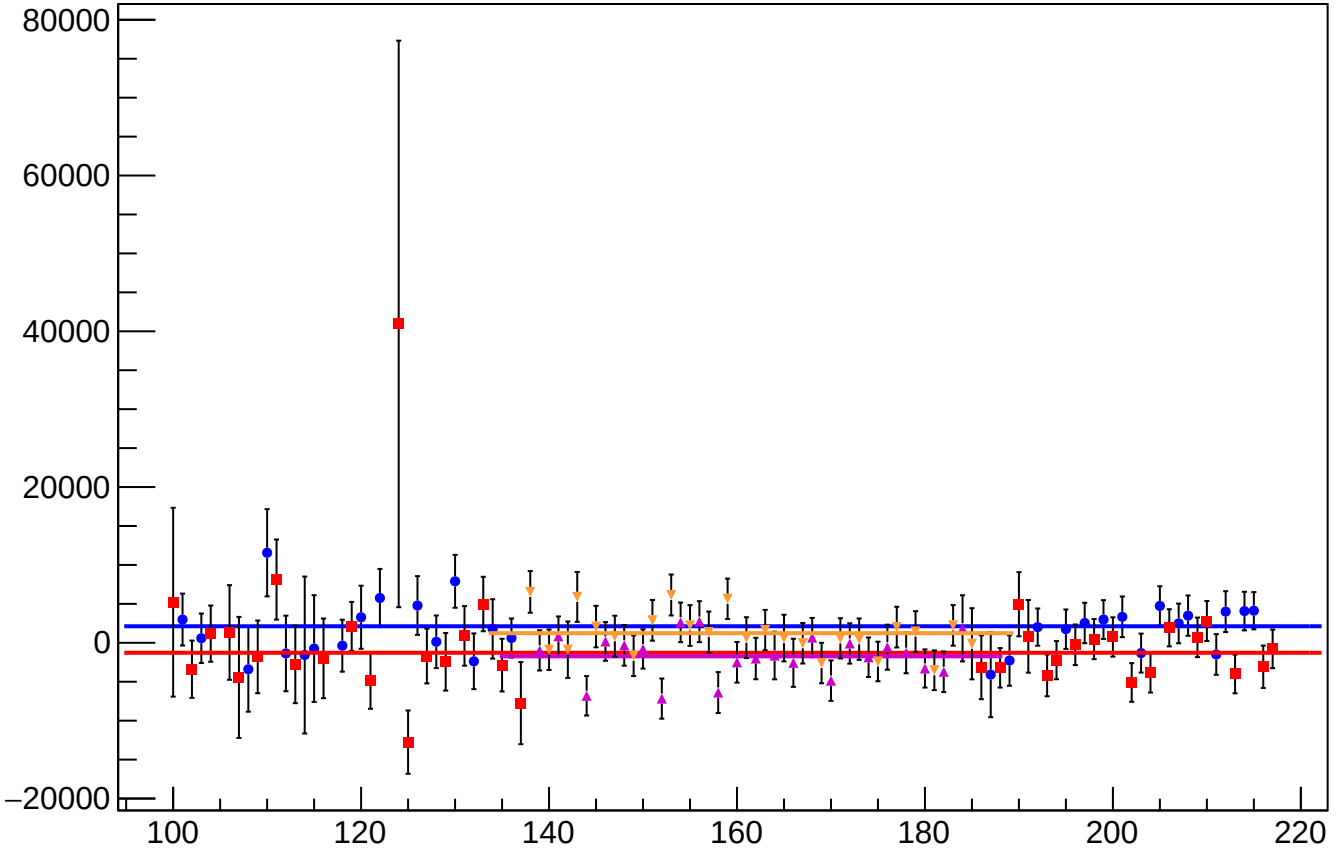
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 695.574+/-0.085 χ^2/NDF: 8452578.1/55

All: 698.053+/-0.060 χ^2/NDF: 17203322.5/11

- sign 700.584+/-0.086 χ^2/NDF: 8749028.8/58

cor_asym_atl1_mean vs Slug



Right In: 2122.317+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1281.450+/-544.559 χ^2/NDF: 37.6/35

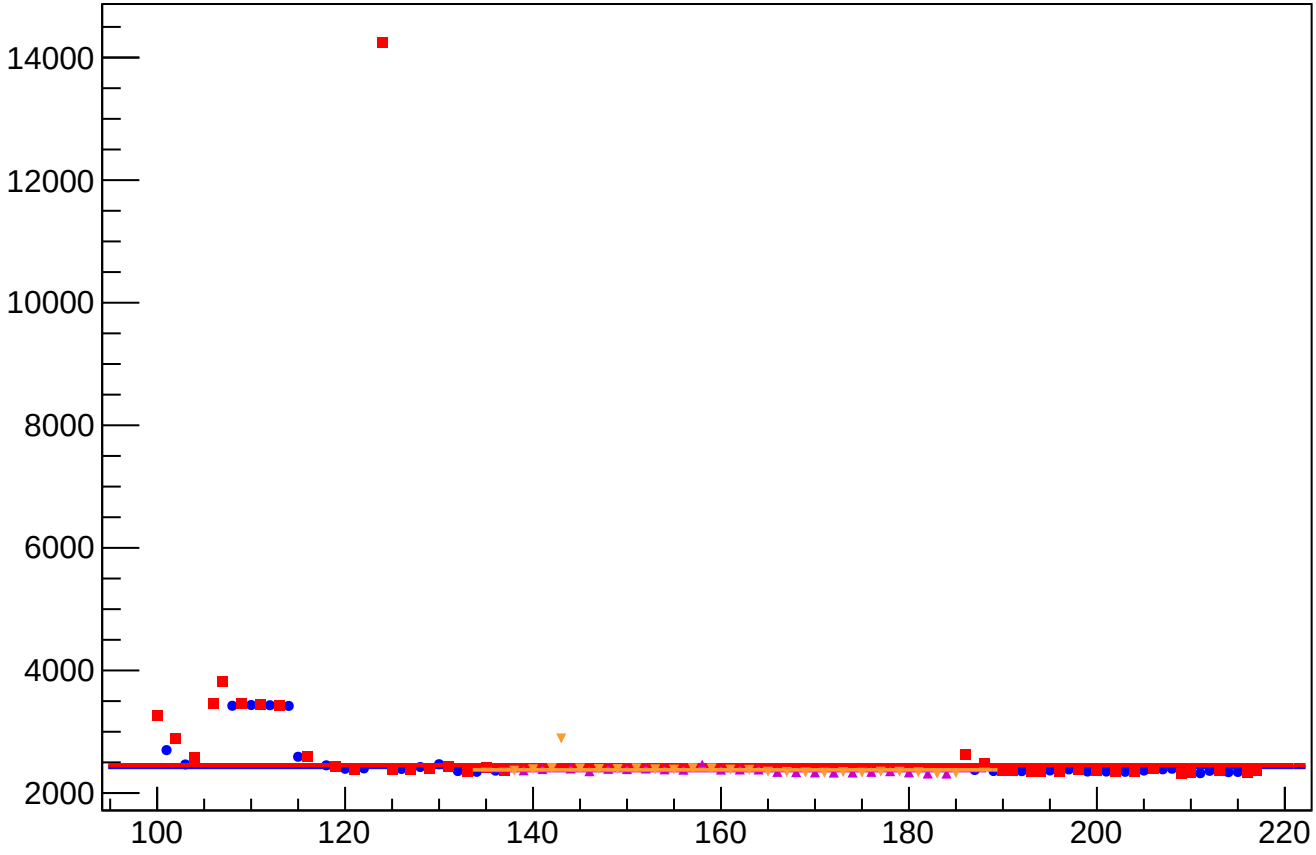
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1668.860+/-386.889 χ^2/NDF: 48.0/55

All: 85.406+/-273.998 χ^2/NDF: 143.9/114

- sign -1507.971+/-388.099 χ^2/NDF: 62.3/58

cor_asym_atl1_rms vs Slug



Right In: 2422.068+/-0.391 χ^2/NDF: 276971.2/30

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

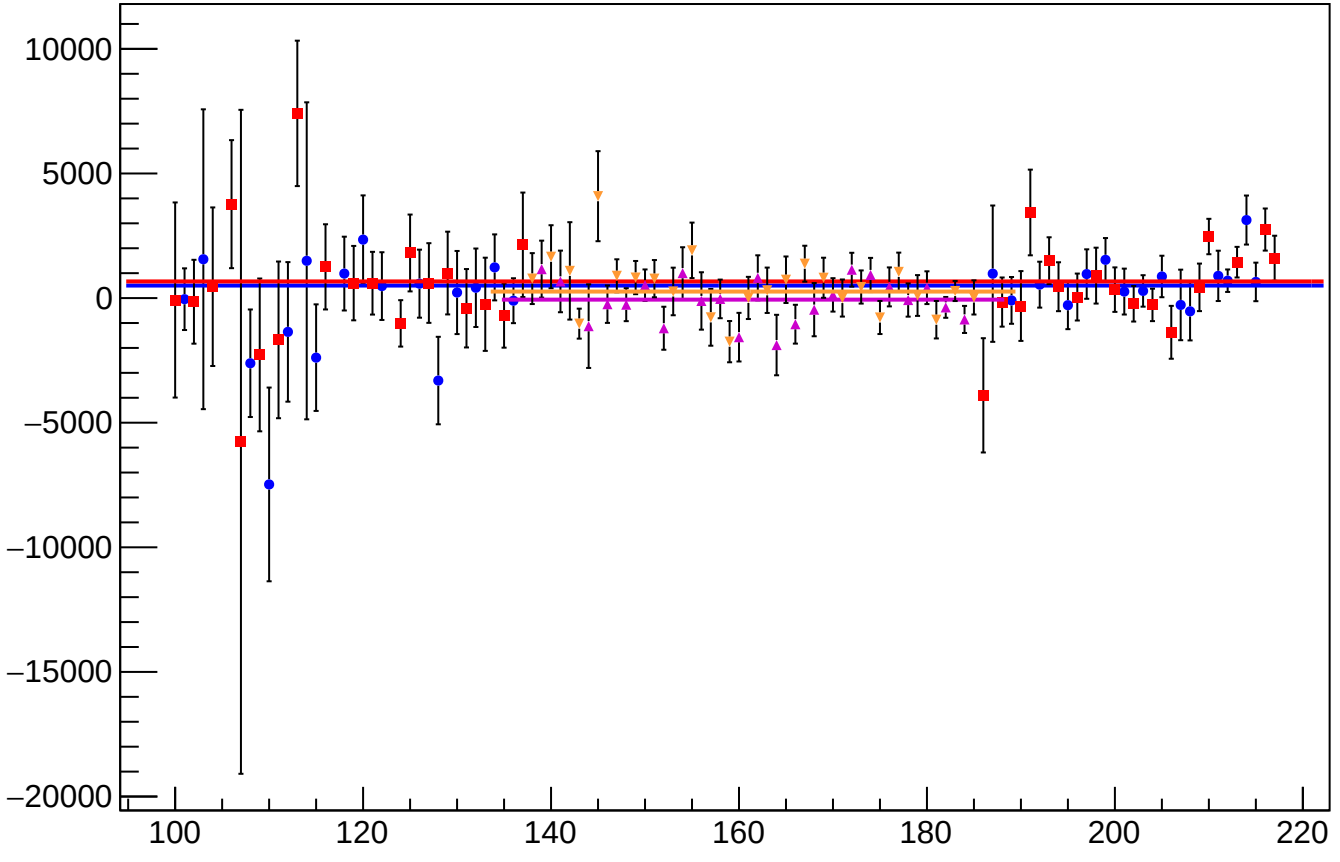
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2401.208+/-0.274 χ^2/NDF: 340161.2/55

All: 2407.575+/-0.194 χ^2/NDF: 1033520.6/11

- sign 2413.982+/-0.274 χ^2/NDF: 692272.7/58

asym_atl1_cor_correction_mean vs Slug



Right In: 503.139+/-192.832 χ^2/NDF: 27.2/30

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 668.758+/-191.523 χ^2/NDF: 46.9/35

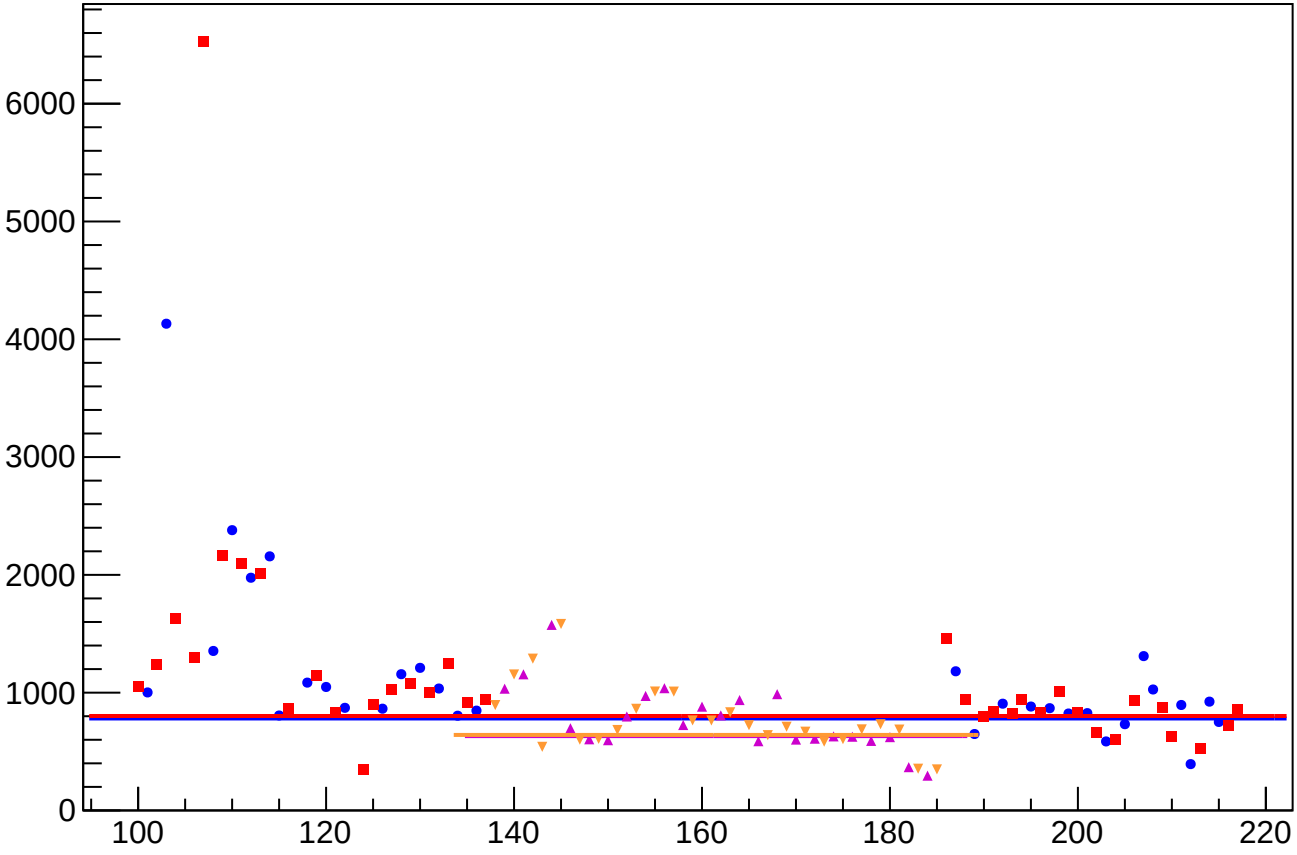
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 356.012+/-120.340 χ^2/NDF: 59.3/55

All: 294.943+/-85.535 χ^2/NDF: 137.4/114

\- sign 232.590+/-121.600 χ^2/NDF: 77.6/58

asym_atl1_cor_correction_rms vs Slug



Right In: 780.895+/-0.136 χ^2/NDF: 4336172.7/30

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

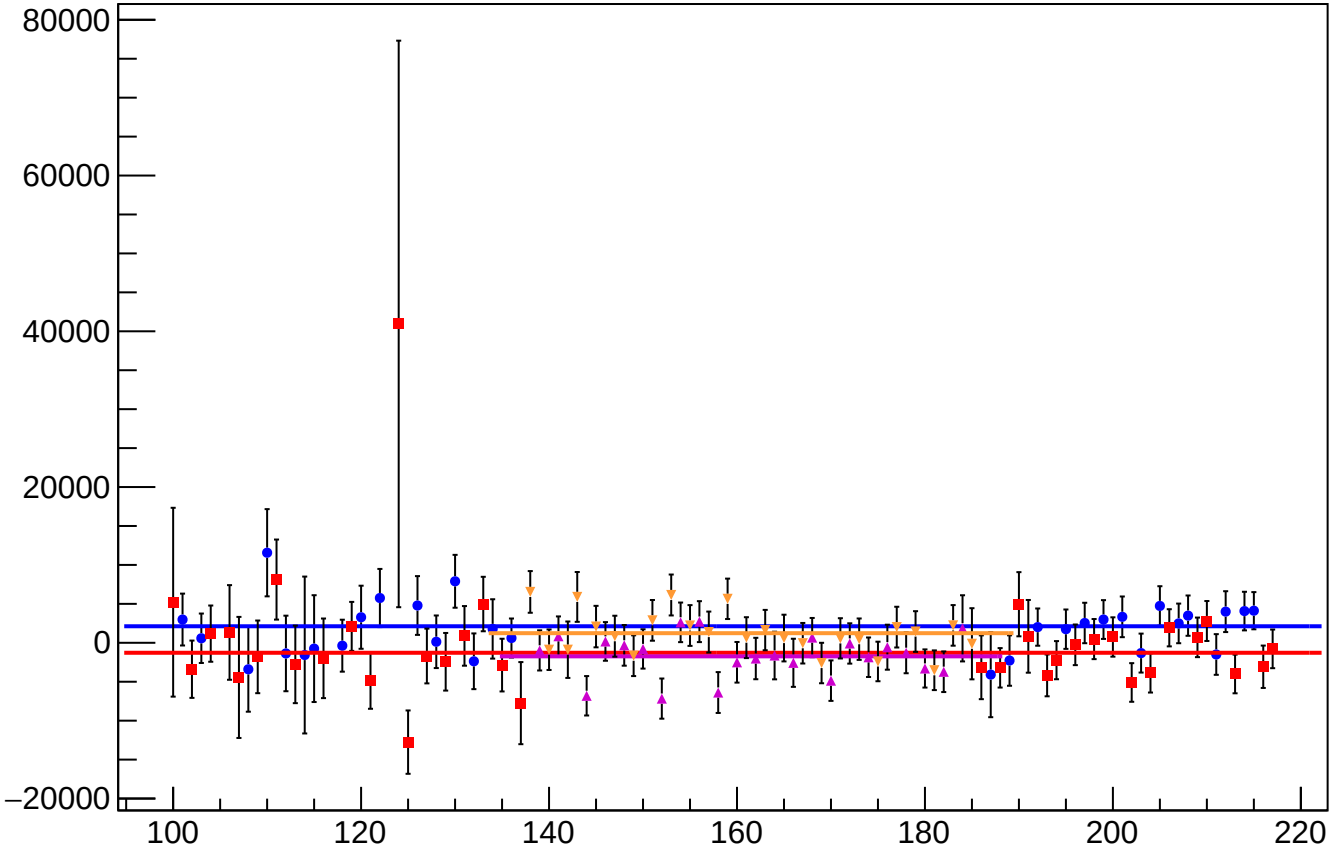
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 695.587+/-0.085 χ^2/NDF: 8451882.0/55

All: 697.779+/-0.060 χ^2/NDF: 17201228.8/11

- sign 700.018+/-0.086 χ^2/NDF: 8748005.1/58

eigen_cor_asym_atl1_mean vs Slug



Right In: 2122.317+/-553.191 χ^2/NDF: 22.8/30

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1281.450+/-544.559 χ^2/NDF: 37.6/35

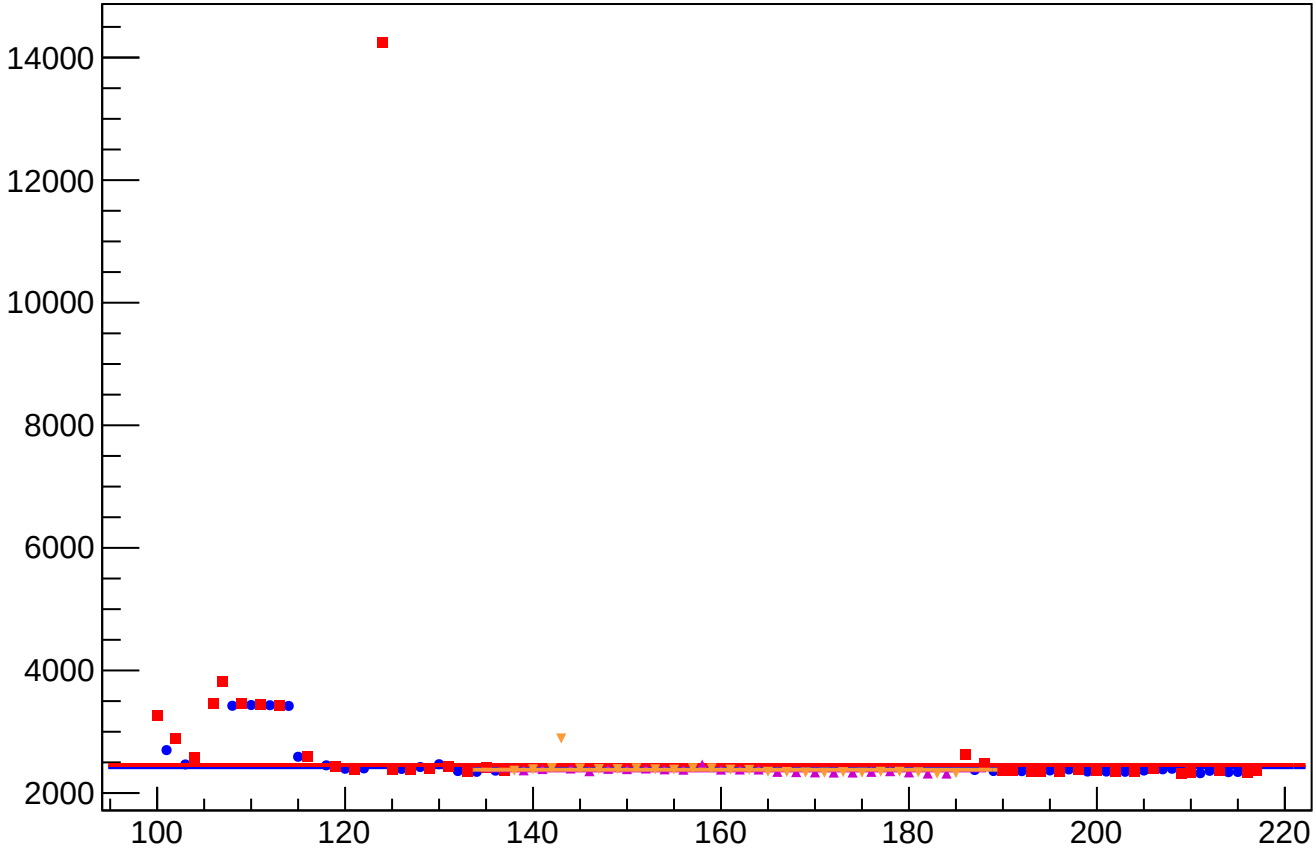
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1668.860+/-386.889 χ^2/NDF: 48.0/55

All: 85.406+/-273.998 χ^2/NDF: 143.9/114

- sign -1507.971+/-388.099 χ^2/NDF: 62.3/58

eigen_cor_asym_atl1_rms vs Slug



Right In: 2422.068+/-0.391 χ^2/NDF: 276971.2/30

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2457.188+/-0.385 χ^2/NDF: 659652.7/35

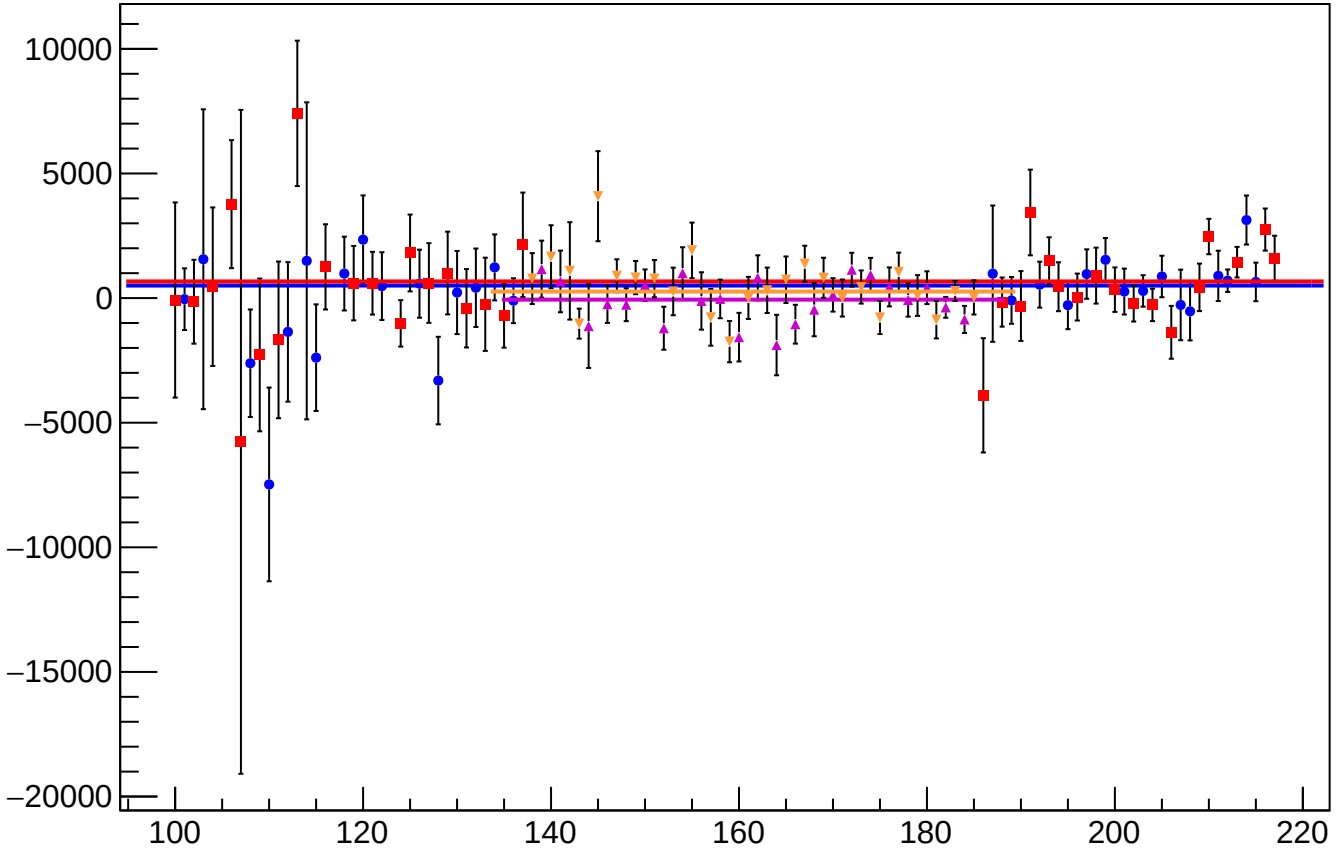
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2401.208+/-0.274 χ^2/NDF: 340161.2/55

All: 2407.575+/-0.194 χ^2/NDF: 1033520.6/11

- sign 2413.982+/-0.274 χ^2/NDF: 692272.7/58

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 503.139+/-192.832 χ^2/NDF: 27.2/30

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 668.758+/-191.523 χ^2/NDF: 46.9/35

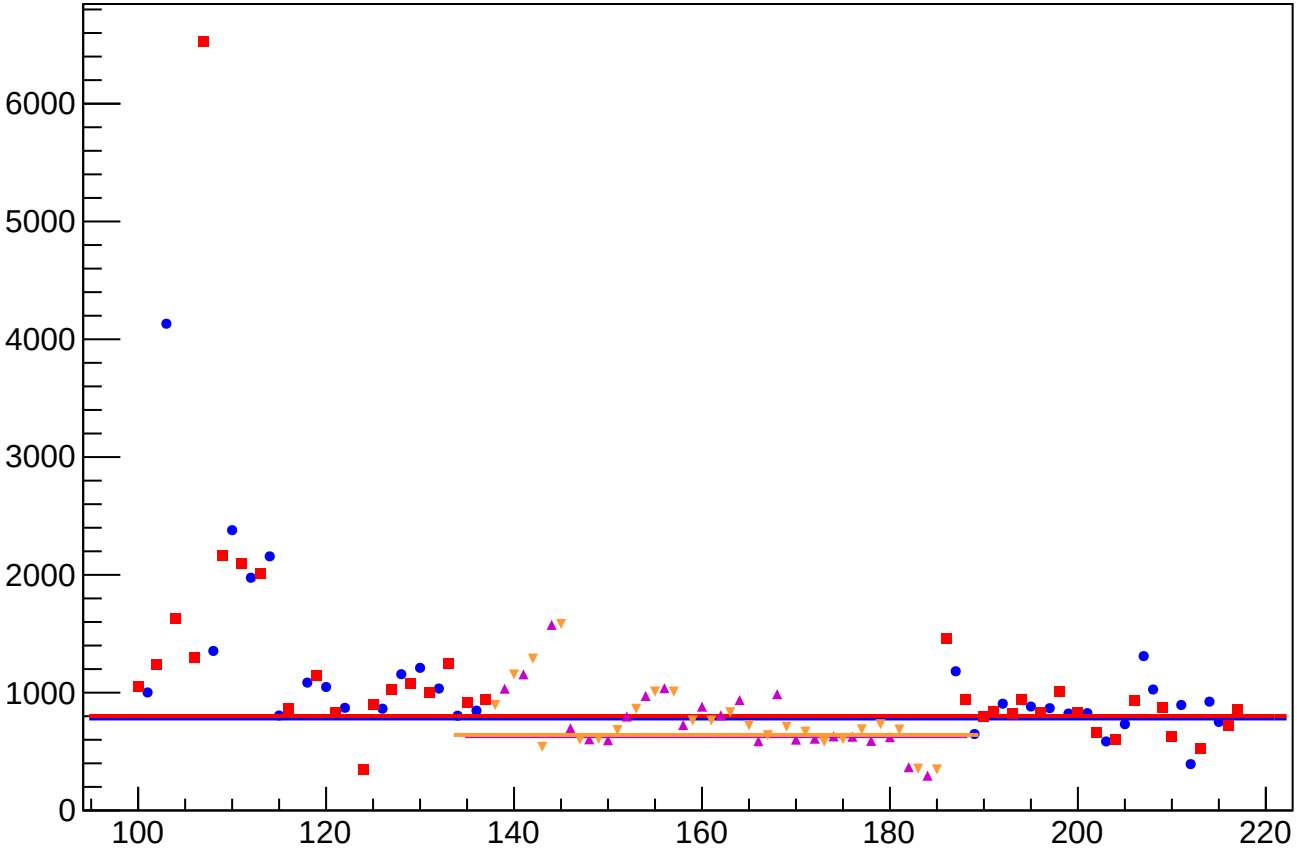
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

\+ sign 356.012+/-120.340 χ^2/NDF: 59.3/55

All: 294.943+/-85.535 χ^2/NDF: 137.4/114

\- sign 232.590+/-121.600 χ^2/NDF: 77.6/58

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 780.895+/-0.136 χ^2/NDF: 4336172.7/30

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 801.924+/-0.135 χ^2/NDF: 3823830.6/35

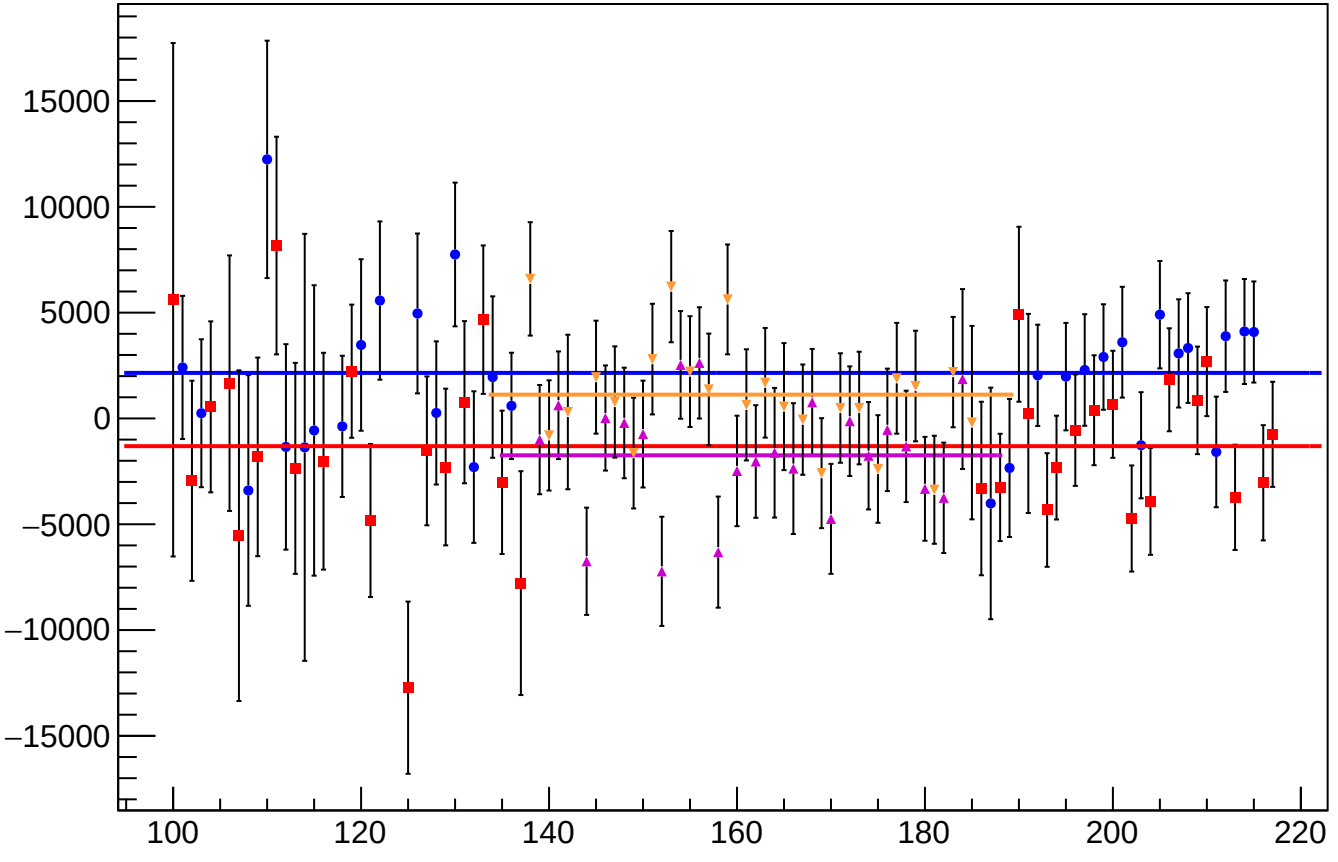
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 695.587+/-0.085 χ^2/NDF: 8451882.0/55

All: 697.779+/-0.060 χ^2/NDF: 17201228.8/11

- sign 700.018+/-0.086 χ^2/NDF: 8748005.1/58

dit_asym_atl1_mean vs Slug



Right In: 2153.080+/-556.244 χ^2/NDF: 23.1/30

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1309.698+/-550.185 χ^2/NDF: 34.7/34

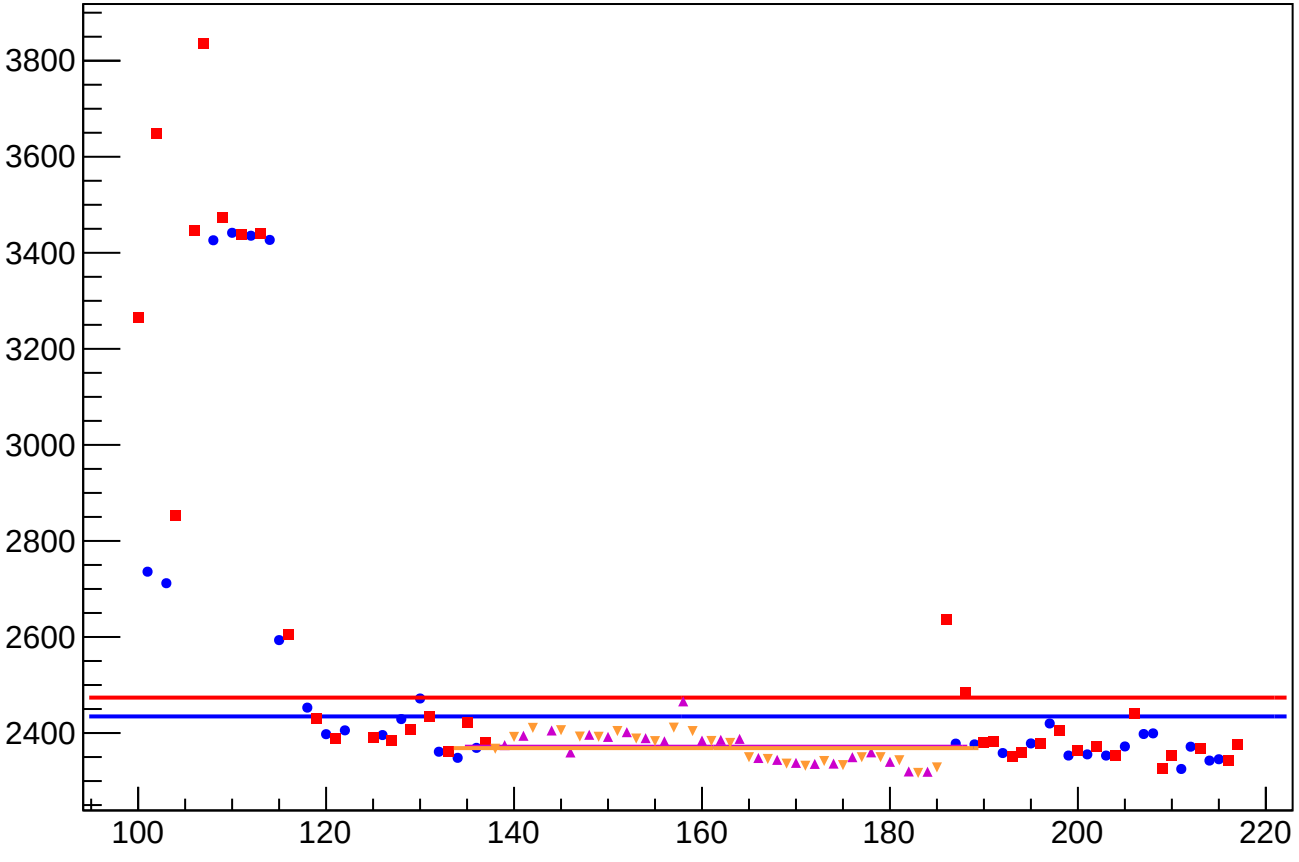
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1633.367+/-391.038 χ^2/NDF: 46.0/54

All: 51.382+/-276.243 χ^2/NDF: 137.4/112

- sign -1524.602+/-390.295 χ^2/NDF: 58.7/57

dit_asym_atl1_rms vs Slug



Right In: 2434.559+/-0.393 χ^2/NDF: 290766.4/30

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2473.766+/-0.389 χ^2/NDF: 559556.6/34

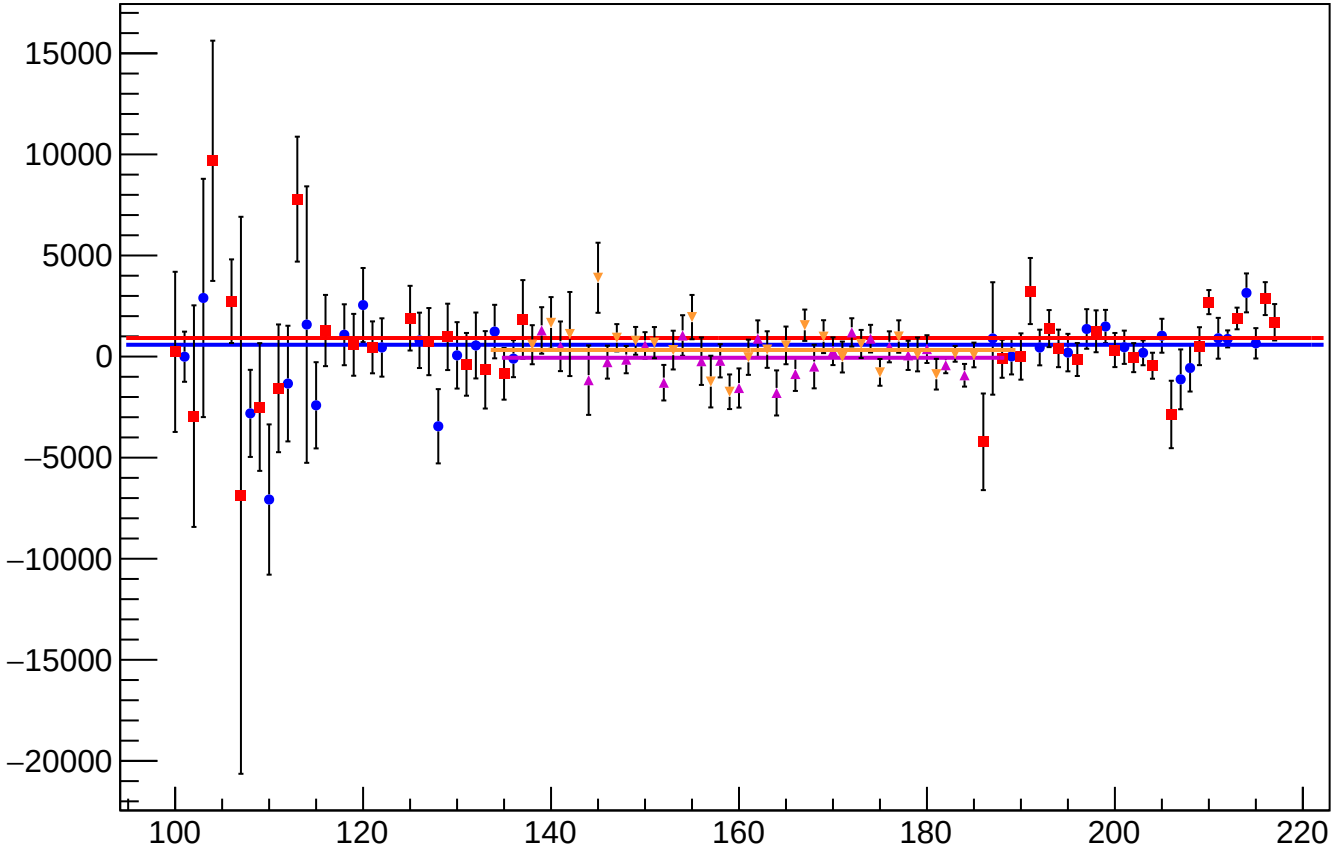
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2401.182+/-0.277 χ^2/NDF: 310575.1/54

All: 2412.098+/-0.195 χ^2/NDF: 914610.4/112

- sign 2422.972+/-0.276 χ^2/NDF: 600924.1/57

asym_atl1_dit_correction_mean vs Slug



Right In: 583.899+/-187.451 χ^2/NDF: 29.8/30

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 918.014+/-188.182 χ^2/NDF: 56.3/34

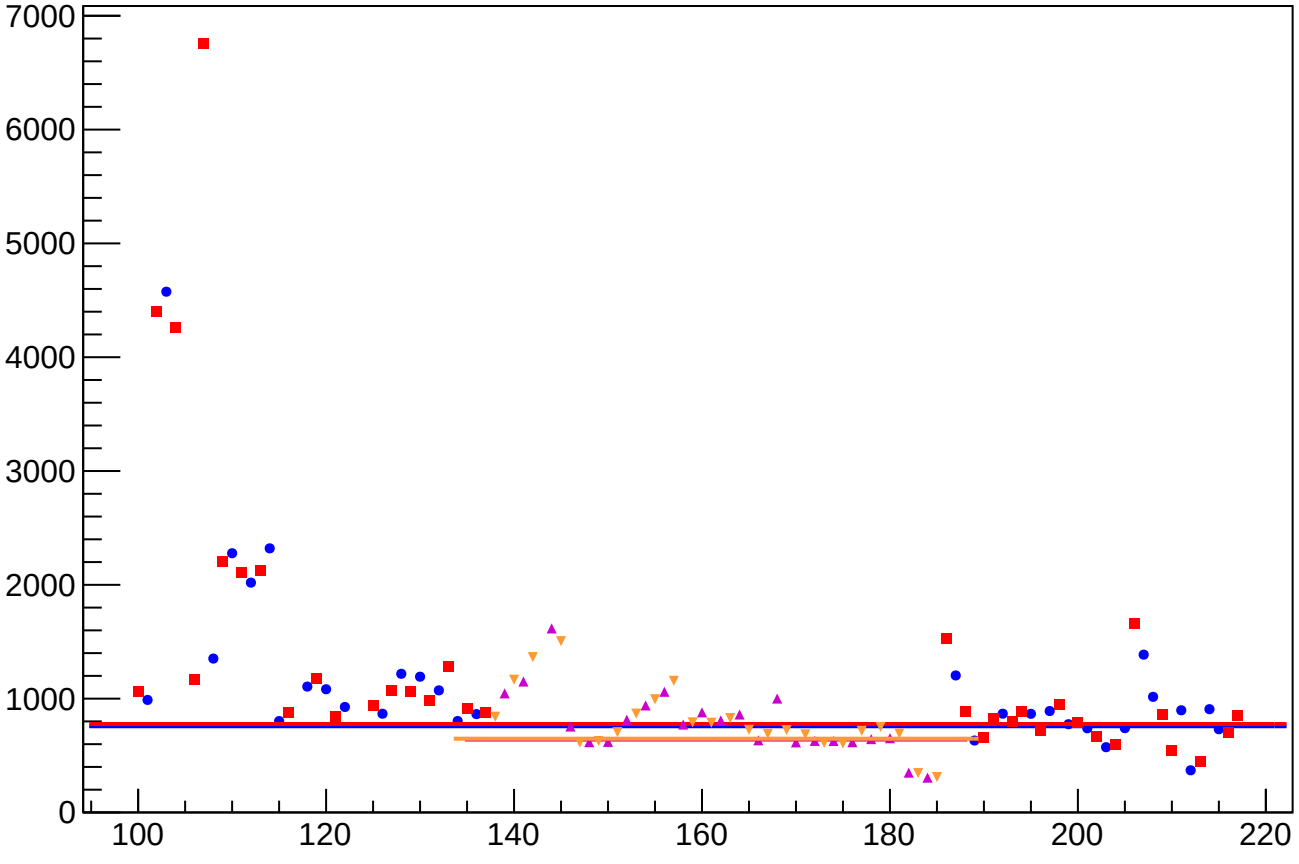
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 434.707+/-121.714 χ^2/NDF: 57.6/54

All: 392.165+/-86.077 χ^2/NDF: 152.6/112

- sign 349.599+/-121.749 χ^2/NDF: 94.7/57

asym_atl1_dit_correction_rms vs Slug



Right In: 757.427+/-0.133 χ^2/NDF: 5080794.5/30

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 777.170+/-0.133 χ^2/NDF: 5896022.4/34

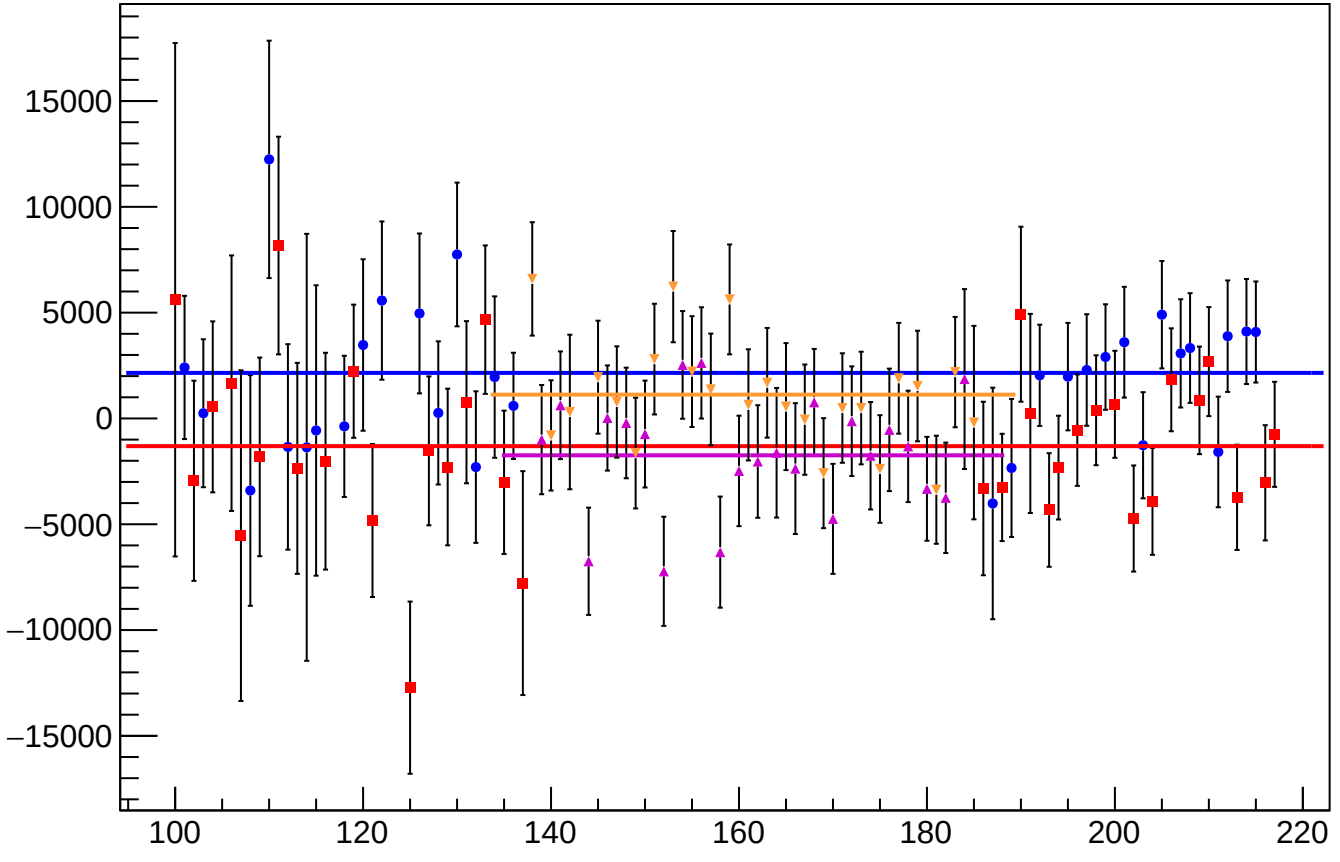
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 694.194+/-0.086 χ^2/NDF: 9361273.2/54

All: 695.927+/-0.061 χ^2/NDF: 20000919.4/11

- sign 697.662+/-0.086 χ^2/NDF: 10638834.6/57

eigen_dit_asym_atl1_mean vs Slug



Right In: 2153.077+/-556.244 χ^2/NDF: 23.1/30

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1309.698+/-550.185 χ^2/NDF: 34.7/34

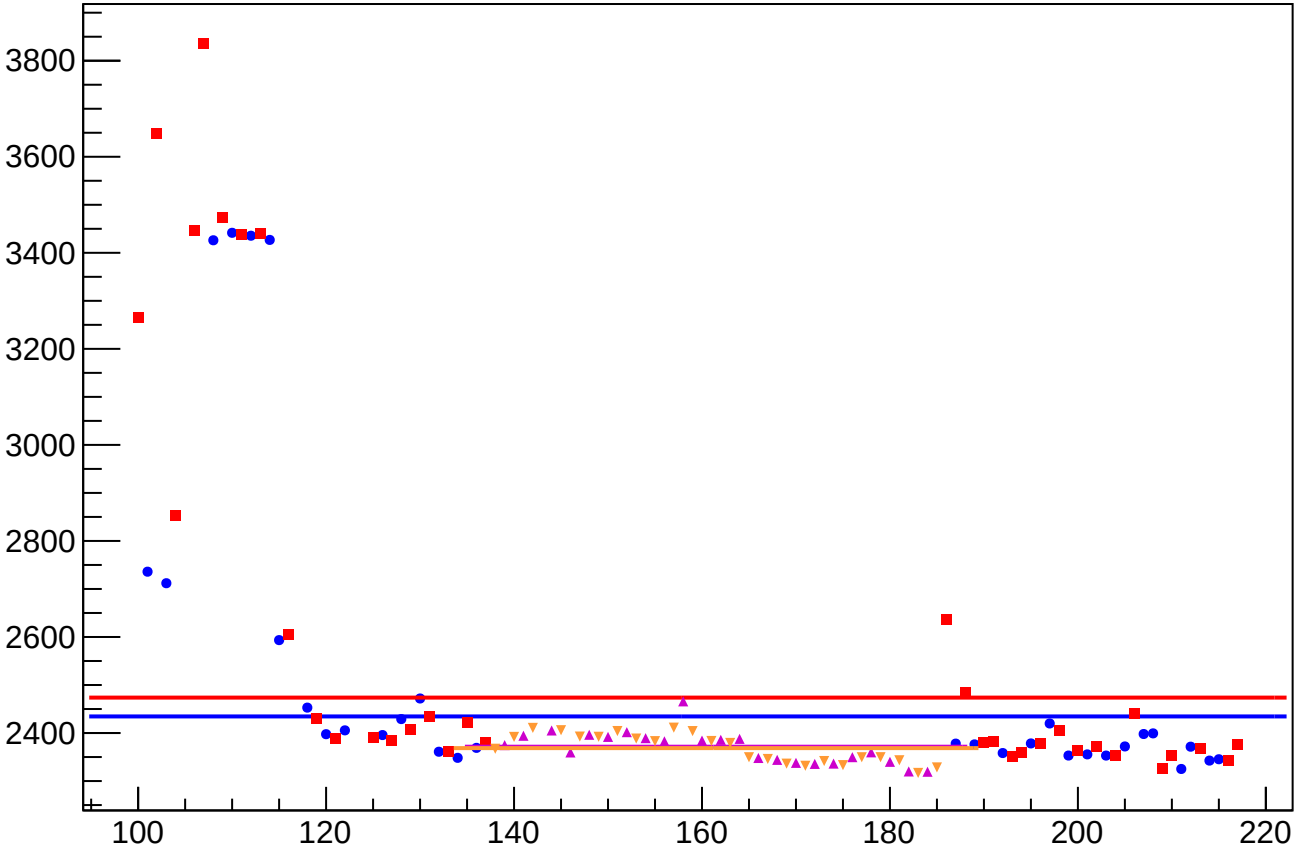
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1633.366+/-391.038 χ^2/NDF: 46.0/54

All: 51.381+/-276.243 χ^2/NDF: 137.4/112

- sign -1524.603+/-390.295 χ^2/NDF: 58.7/57

eigen_dit_asym_atl1_rms vs Slug



Right In: 2434.559+/-0.393 χ^2/NDF: 290765.9/30

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

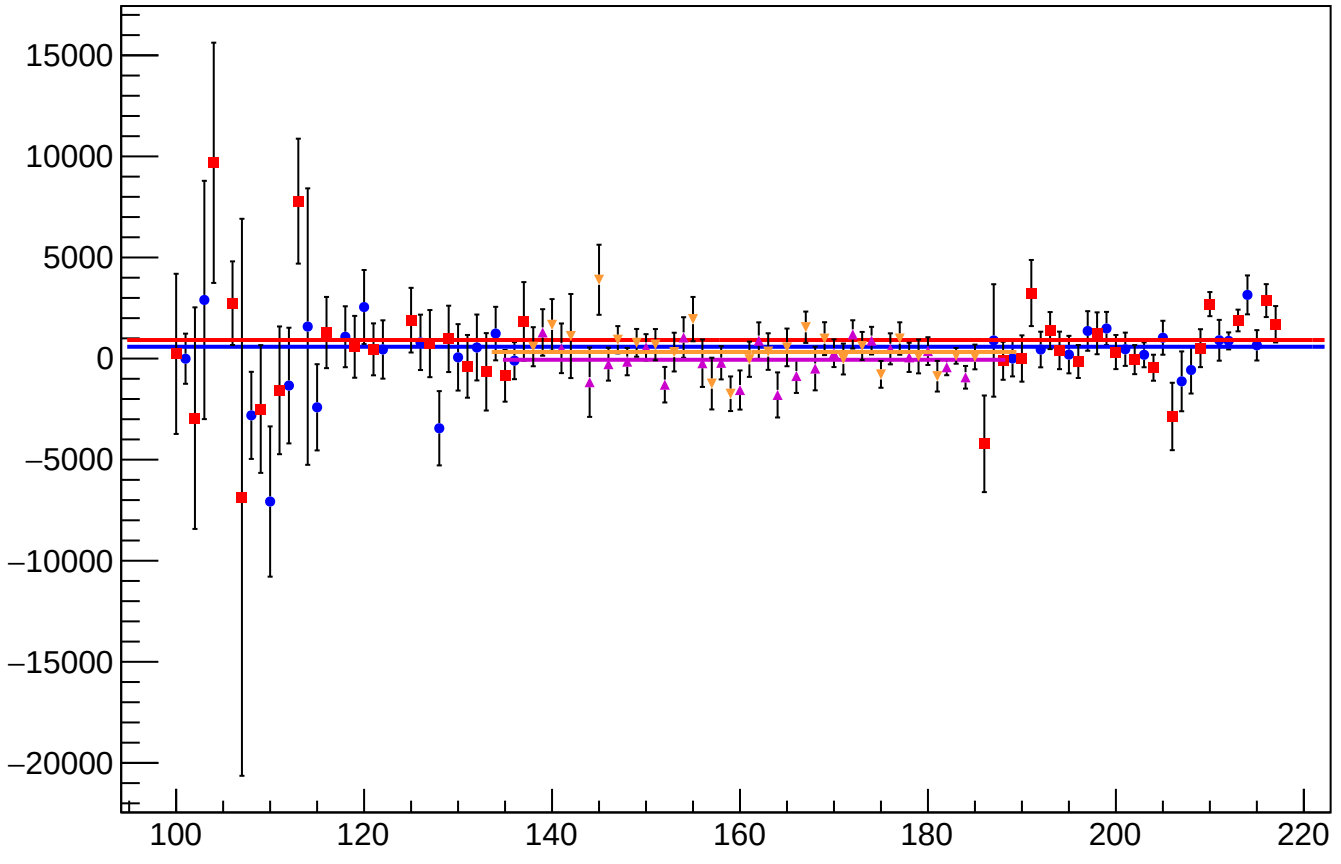
Right Out: 2473.765+/-0.389 χ^2/NDF: 559555.7/34

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2401.182+/-0.277 χ^2/NDF: 310574.6/54

All: 2412.098+/-0.195 χ^2/NDF: 914608.9/112

- sign 2422.972+/-0.276 χ^2/NDF: 600923.1/57



Right In: 583.898+/-187.450 χ^2/NDF: 29.8/30

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 918.013+/-188.181 χ^2/NDF: 56.3/34

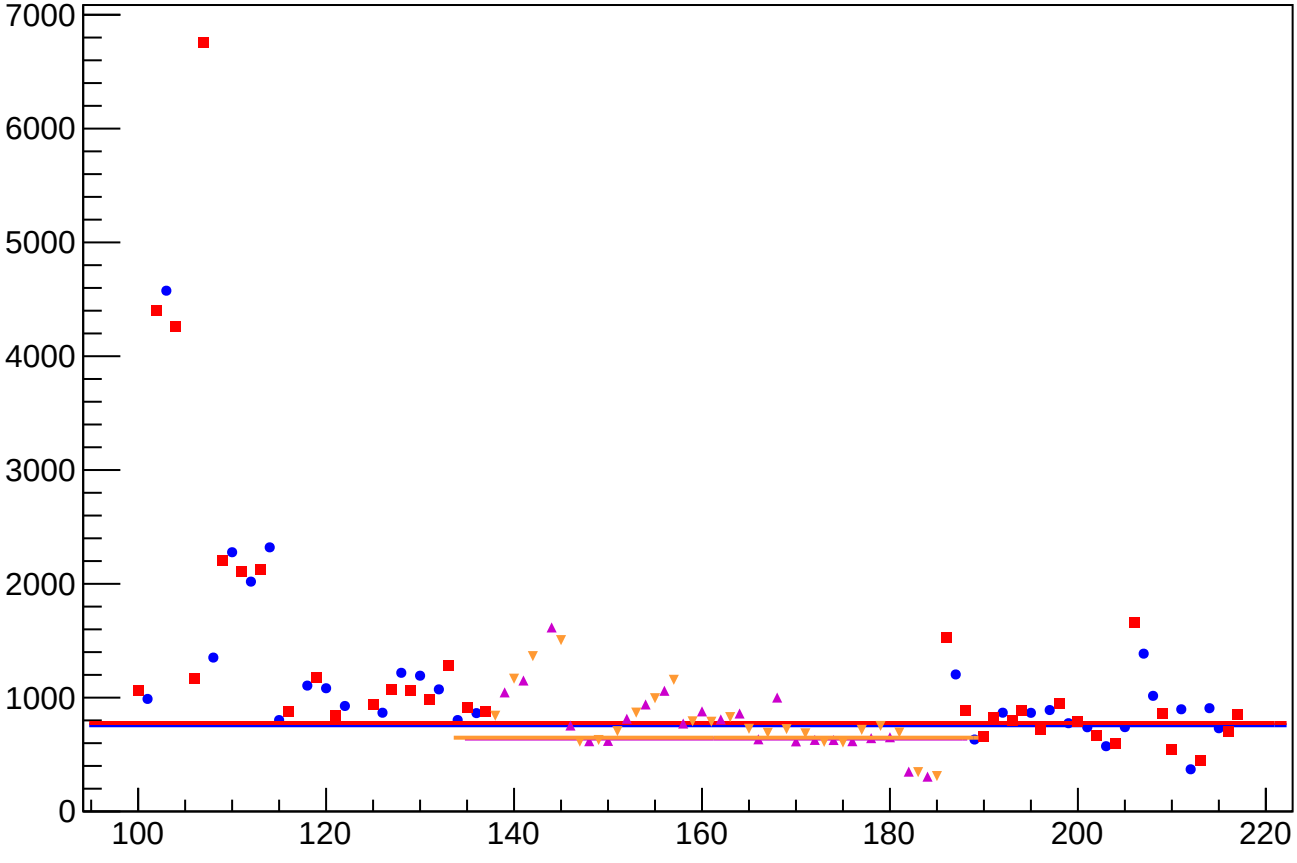
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 434.707+/-121.715 χ^2/NDF: 57.6/54

All: 392.165+/-86.077 χ^2/NDF: 152.6/112

- sign 349.599+/-121.749 χ^2/NDF: 94.7/57

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 757.427+/-0.133 χ^2/NDF: 5080801.7/30

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.169+/-0.133 χ^2/NDF: 5896032.0/34

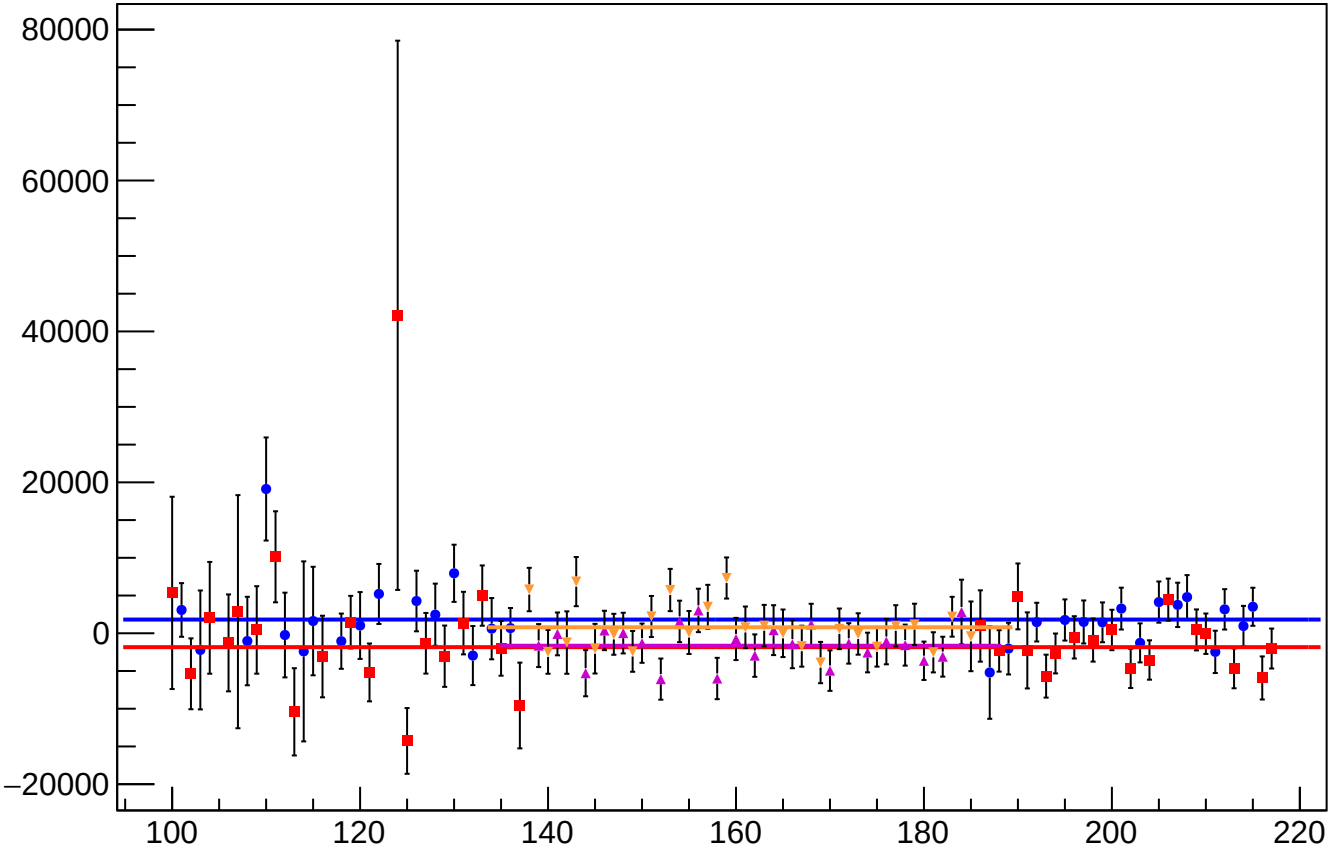
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 694.194+/-0.086 χ^2/NDF: 9361279.0/54

All: 695.928+/-0.061 χ^2/NDF: 20000937.2/11

- sign 697.662+/-0.086 χ^2/NDF: 10638846.5/57

asym_atl1_mean vs Slug



Right In: 1816.150+/-605.668 χ^2/NDF: 23.1/30

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1840.678+/-596.819 χ^2/NDF: 41.1/35

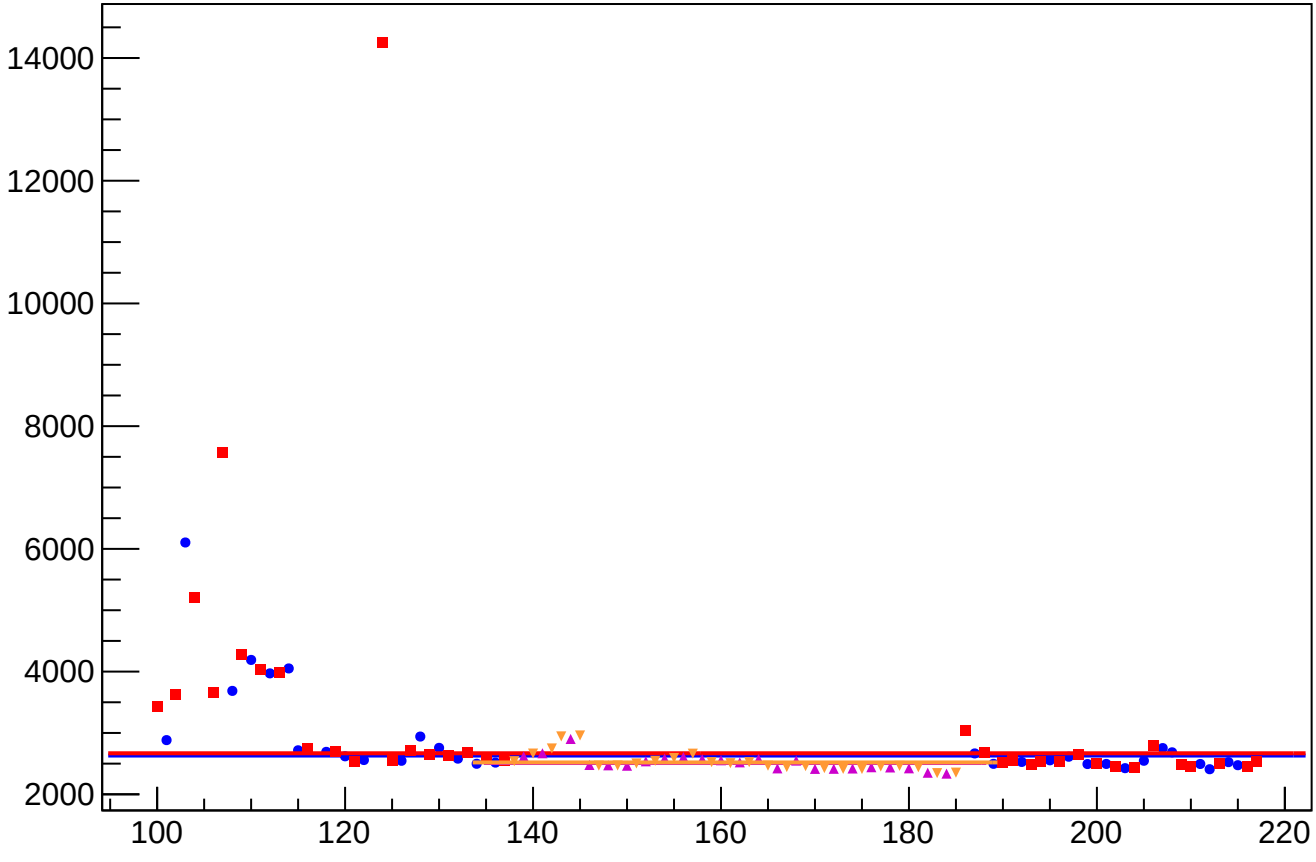
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1275.653+/-416.344 χ^2/NDF: 51.7/55

All: -227.711+/-295.129 χ^2/NDF: 136.5/114

- sign -1746.072+/-418.416 χ^2/NDF: 58.5/58

asym_atl1_rms vs Slug



Right In: 2631.881+/-0.428 χ^2/NDF: 798164.9/30

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2668.845+/-0.422 χ^2/NDF: 1266177.3/35

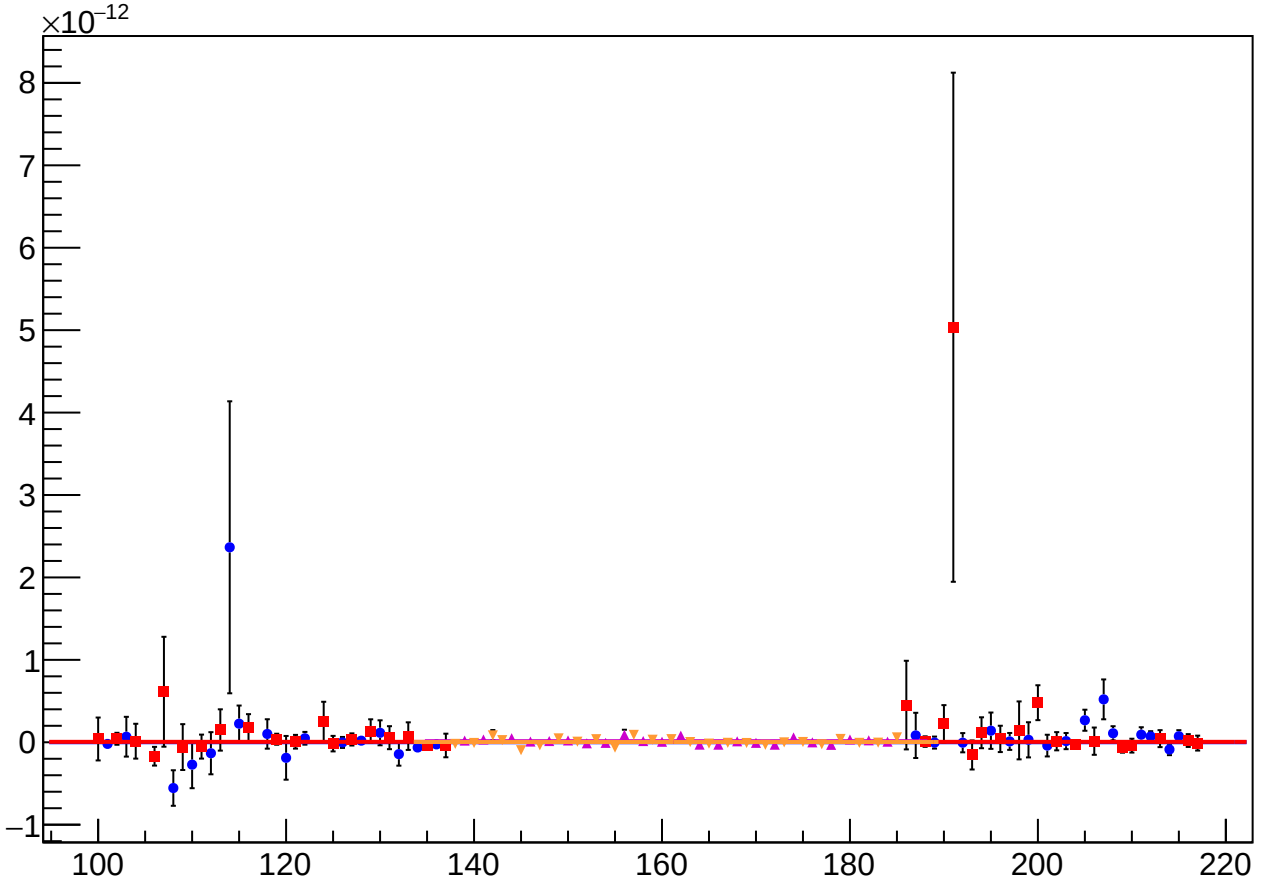
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2572.612+/-0.294 χ^2/NDF: 949678.4/55

All: 2580.344+/-0.209 χ^2/NDF: 2362912.9/11

- sign 2588.153+/-0.296 χ^2/NDF: 1411848.1/58

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/35

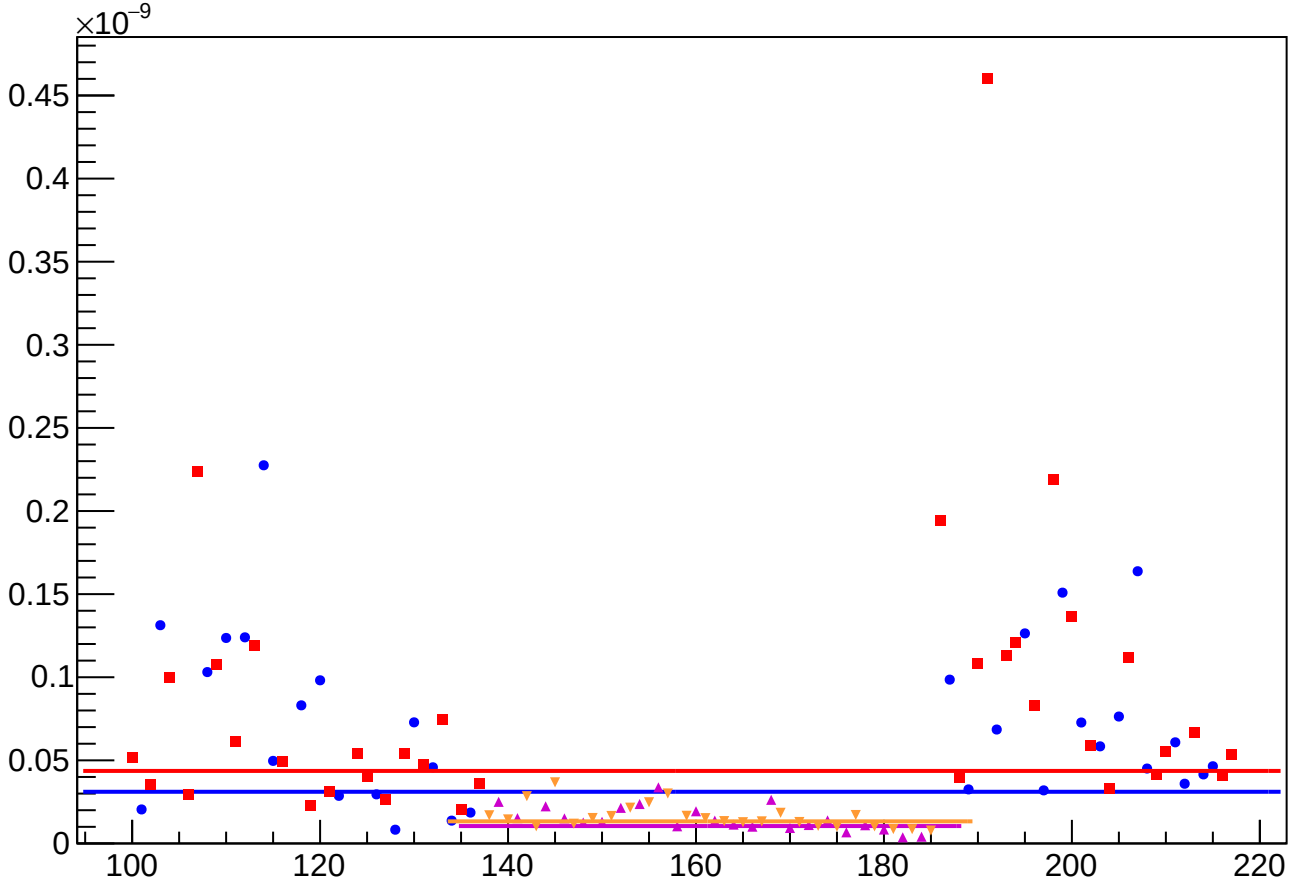
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.7/55

All: 0.000+/-0.000 χ^2/NDF: 117.1/114

- sign 0.000+/-0.000 χ^2/NDF: 53.4/58

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5855302.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4132259.7/35

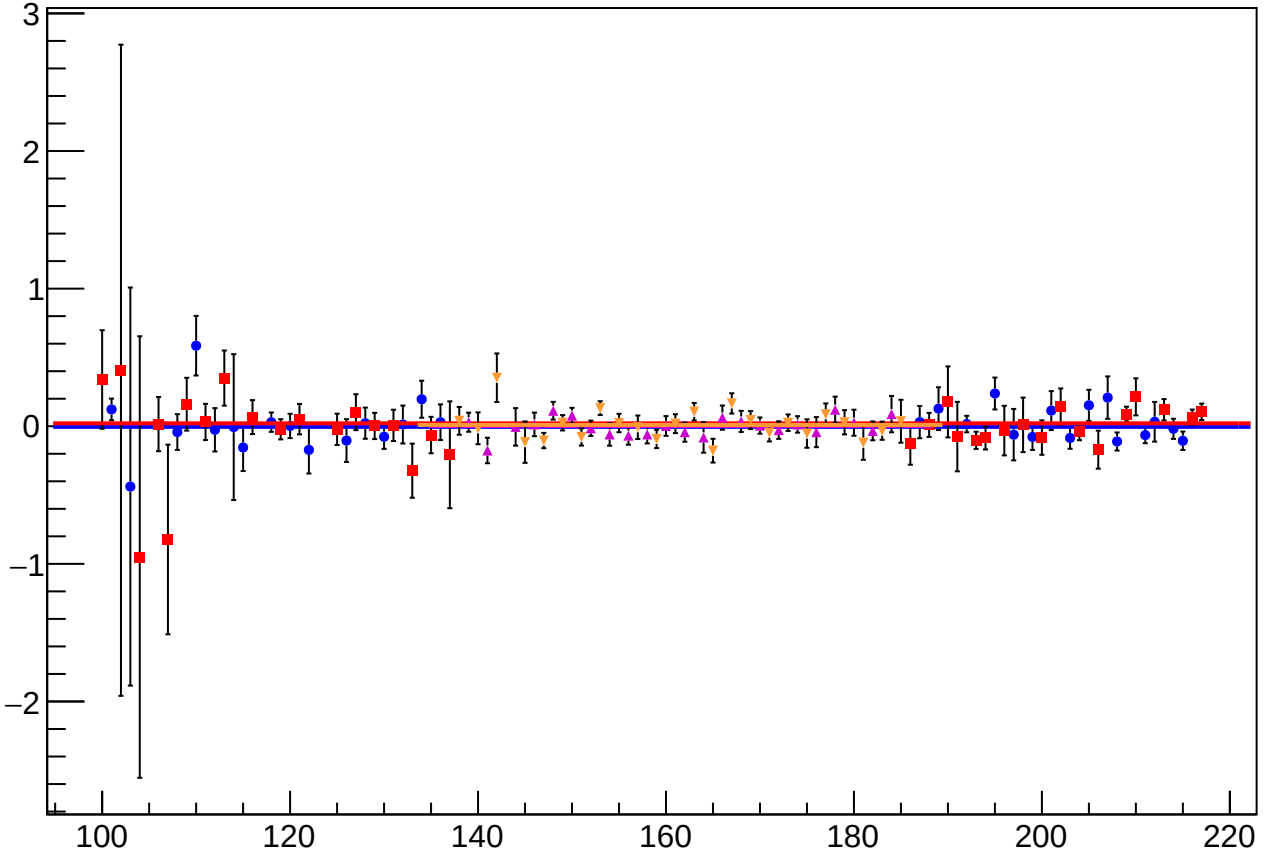
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10088799.1/55

All: 0.000+/-0.000 χ^2/NDF: 24019735.0/114

- sign 0.000+/-0.000 χ^2/NDF: 13620713.1/58

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

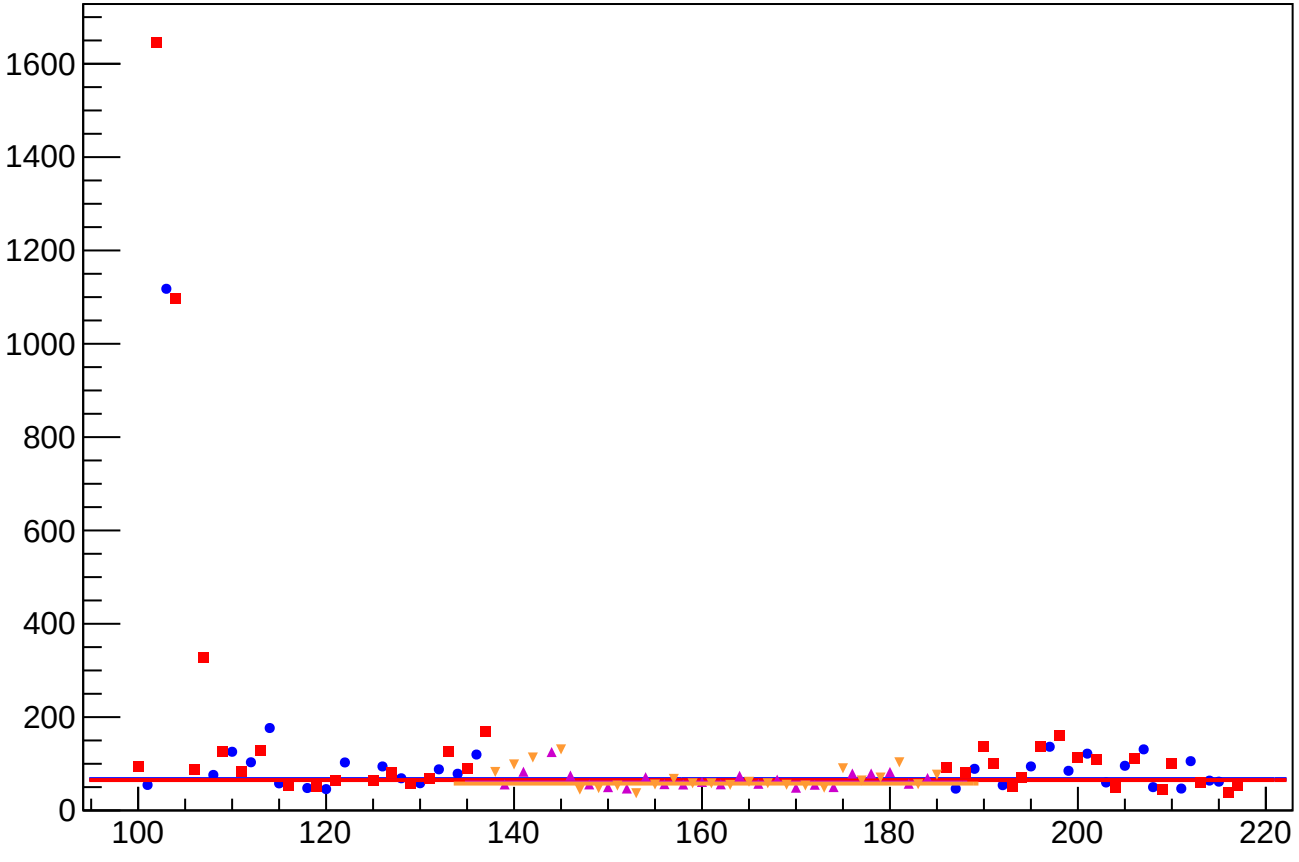
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.004+/-0.012 χ^2/NDF: 68.2/54

All: 0.007+/-0.008 χ^2/NDF: 115.0/112

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.126+/-0.013 χ^2/NDF: 4250961.1/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

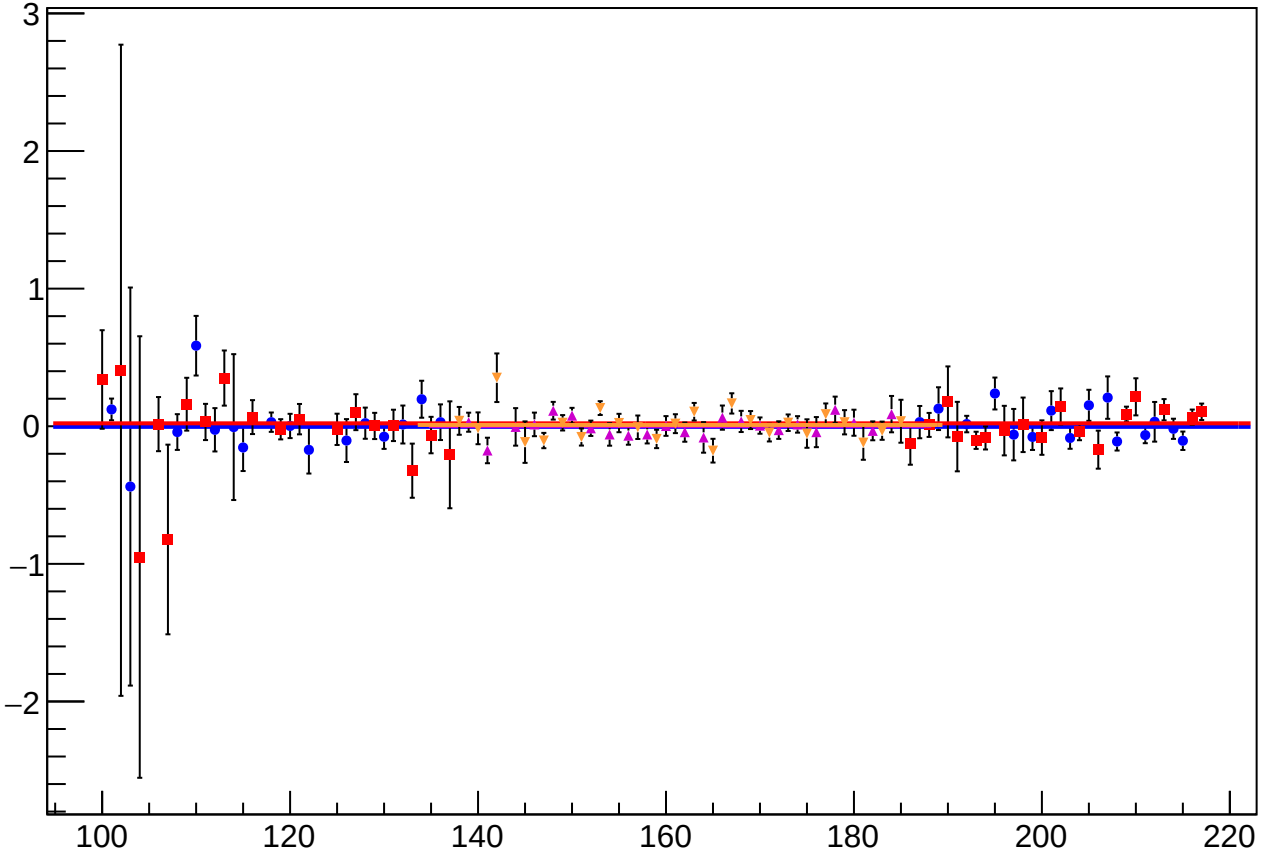
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

\+ sign 61.489+/-0.008 χ^2/NDF: 6788037.4/54

All: 61.796+/-0.006 χ^2/NDF: 14329360.0/112

\- sign 62.108+/-0.008 χ^2/NDF: 7538503.8/57

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

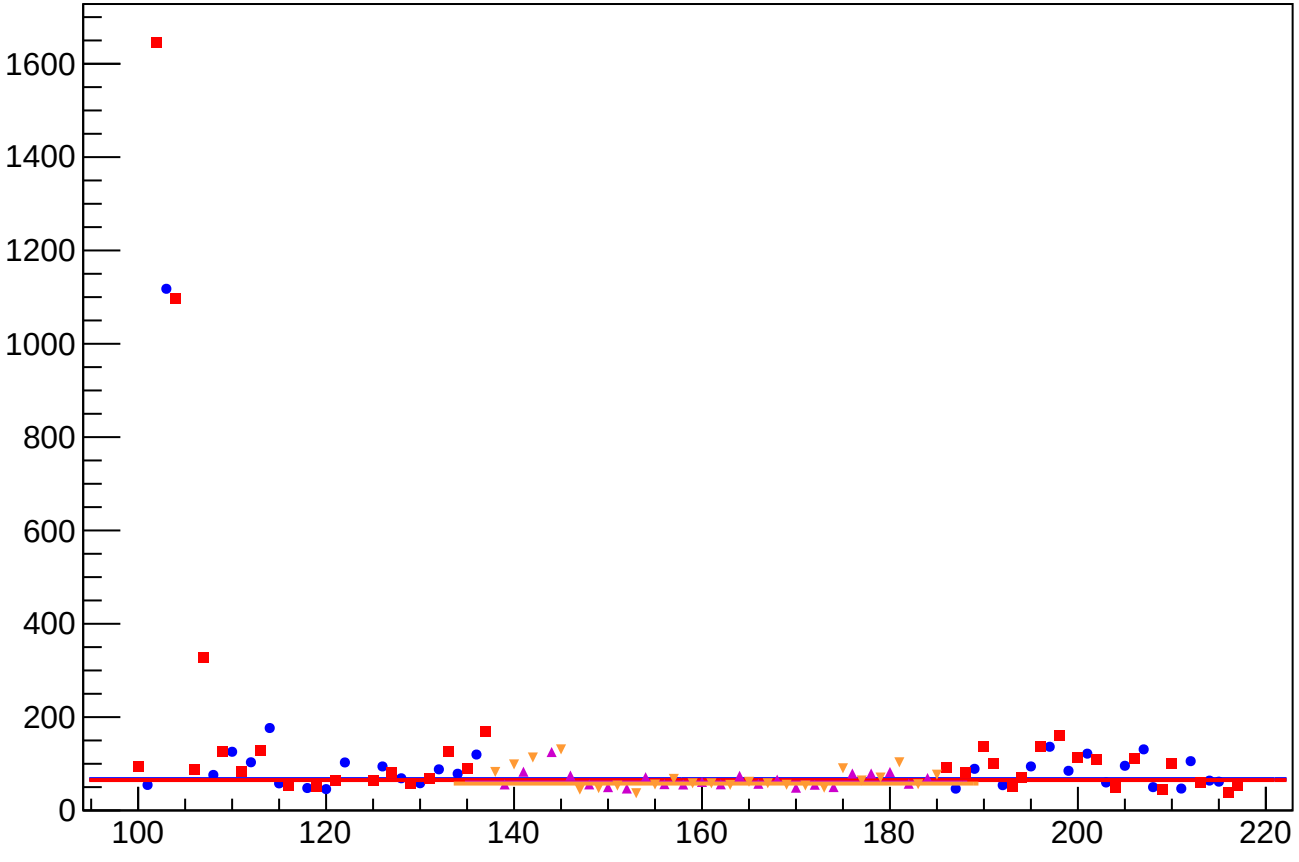
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.004+/-0.012 χ^2/NDF: 68.2/54

All: 0.007+/-0.008 χ^2/NDF: 115.0/112

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.126+/-0.013 χ^2/NDF: 4250961.1/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

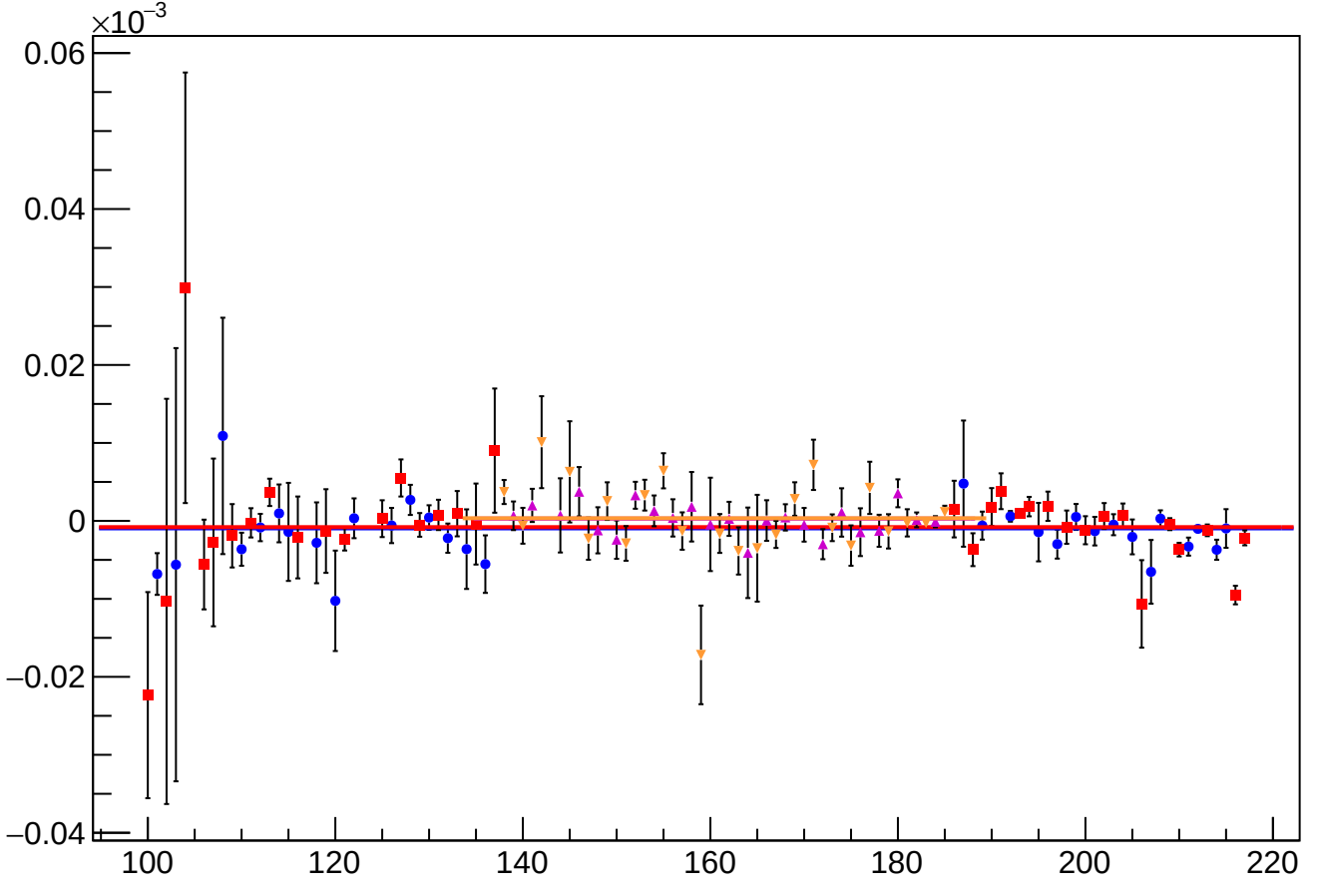
Right Out: 65.117+/-0.013 χ^2/NDF: 6097331.8/34

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.489+/-0.008 χ^2/NDF: 6788037.4/54

All: 61.796+/-0.006 χ^2/NDF: 14329360.0/112

- sign 62.108+/-0.008 χ^2/NDF: 7538503.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 36.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 116.7/34

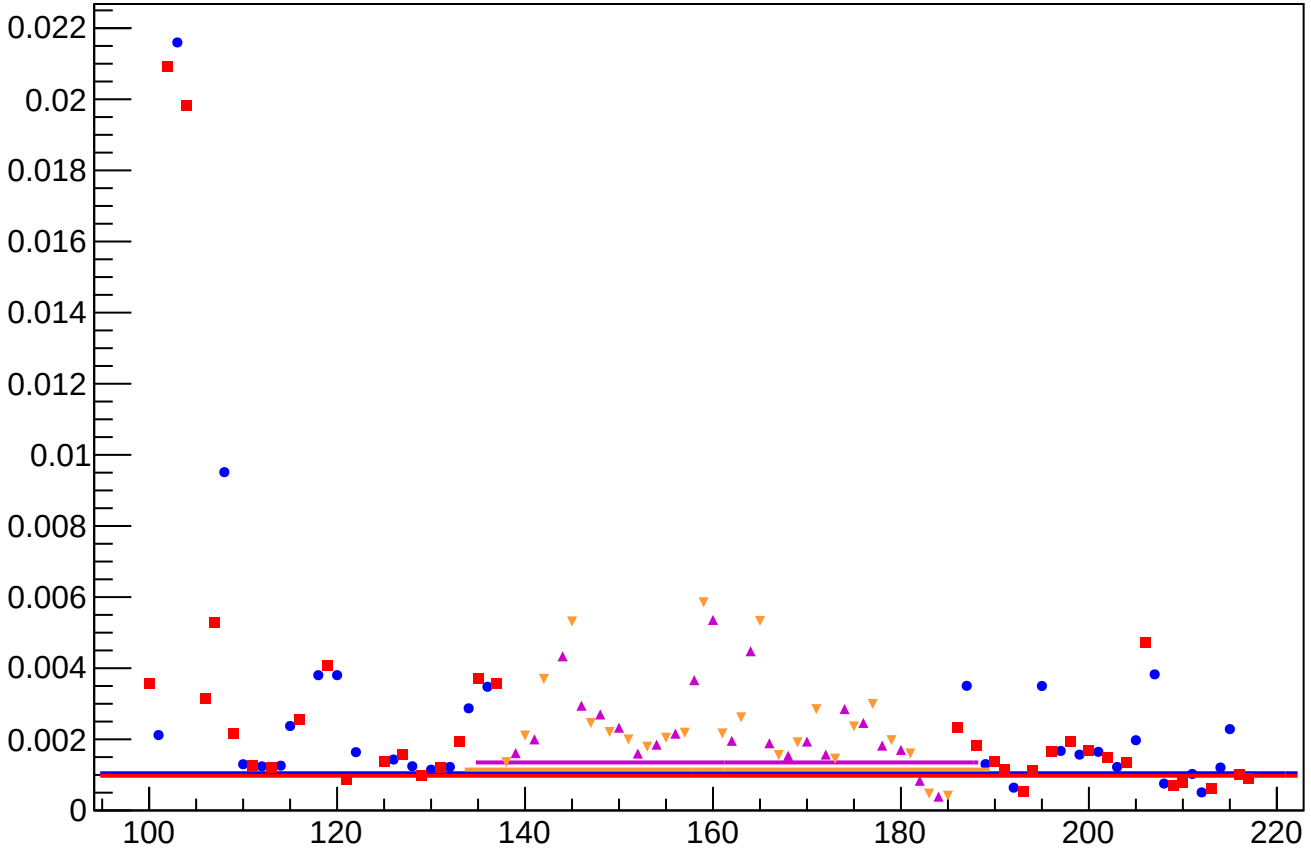
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.4/54

All: -0.000+/-0.000 χ^2/NDF: 228.6/112

- sign -0.000+/-0.000 χ^2/NDF: 137.2/57

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10564278.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9872622.0/34

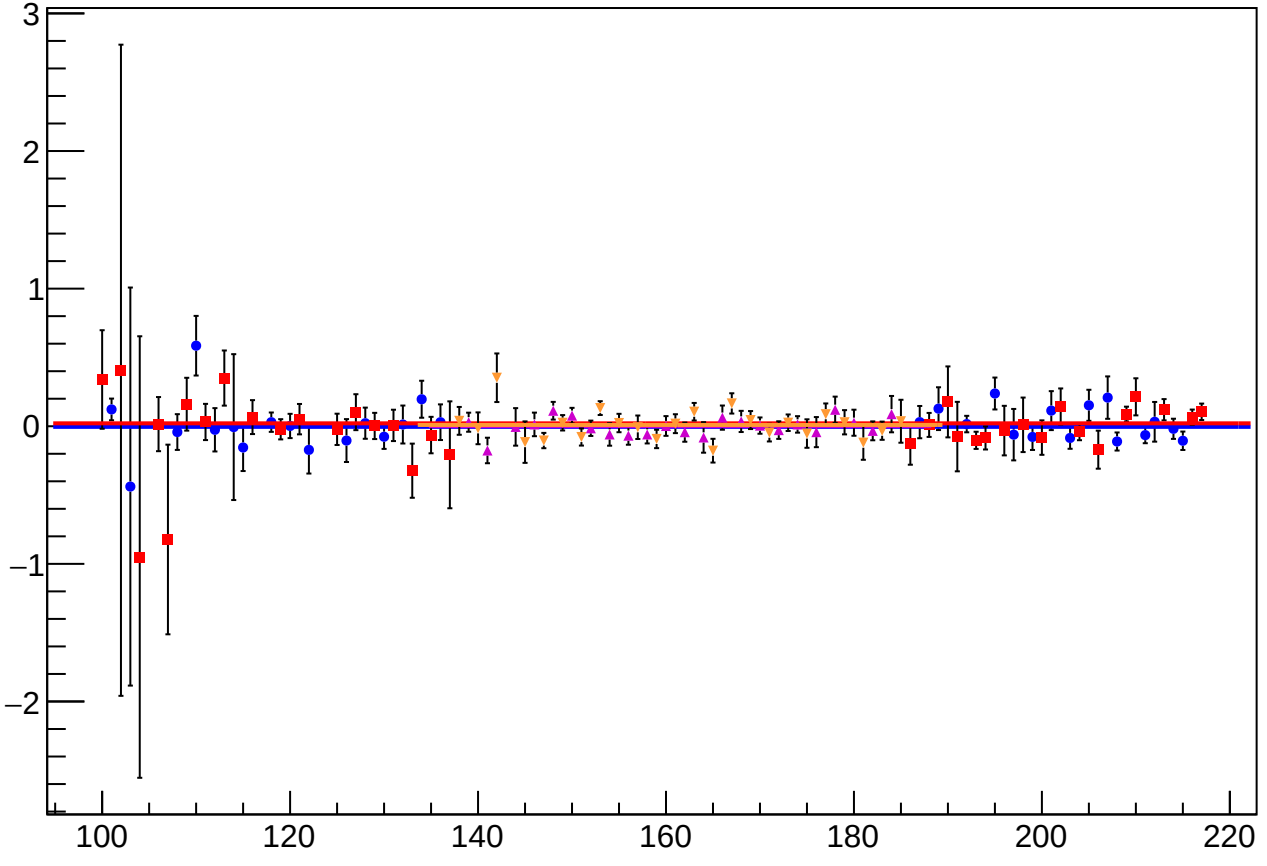
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 23914546.8/54

All: 0.001+/-0.000 χ^2/NDF: 45341593.7/112

- sign 0.001+/-0.000 χ^2/NDF: 21426512.6/57

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

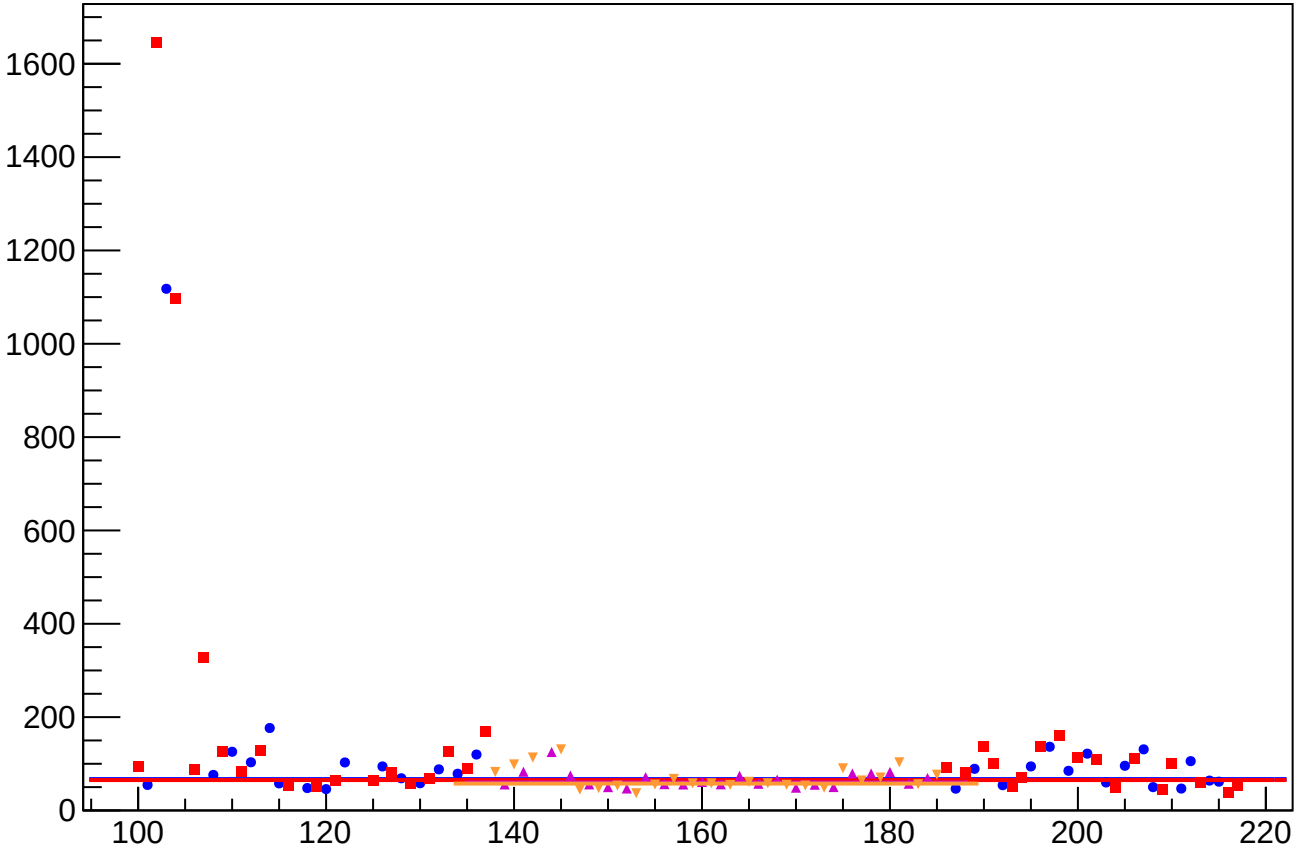
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.004+/-0.012 χ^2/NDF: 68.2/54

All: 0.007+/-0.008 χ^2/NDF: 115.0/112

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.126+/-0.013 χ^2/NDF: 4251100.2/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

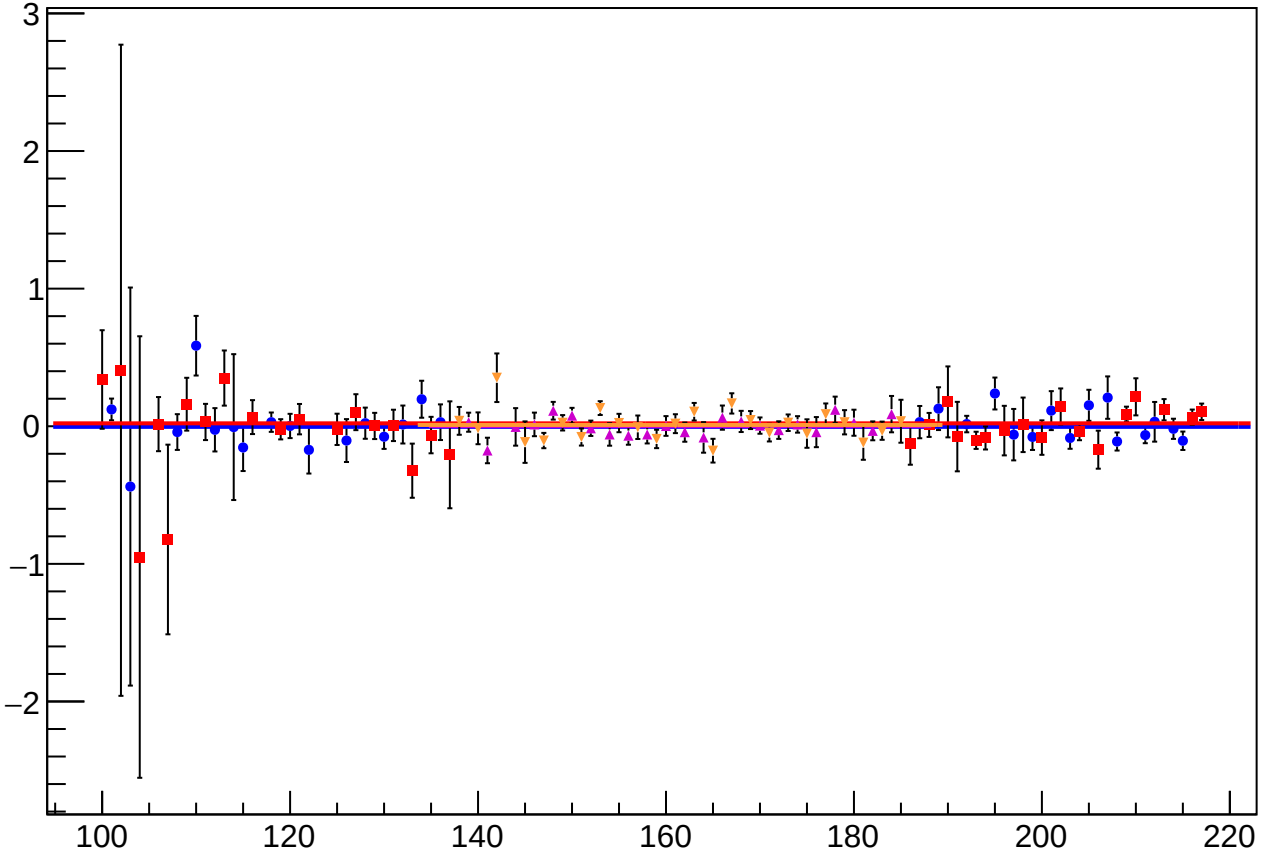
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

\+ sign 61.489+/-0.008 χ^2/NDF: 6788225.6/54

All: 61.797+/-0.006 χ^2/NDF: 14329544.0/112

\- sign 62.108+/-0.008 χ^2/NDF: 7538497.4/57

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.018 χ^2/NDF: 33.2/30

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

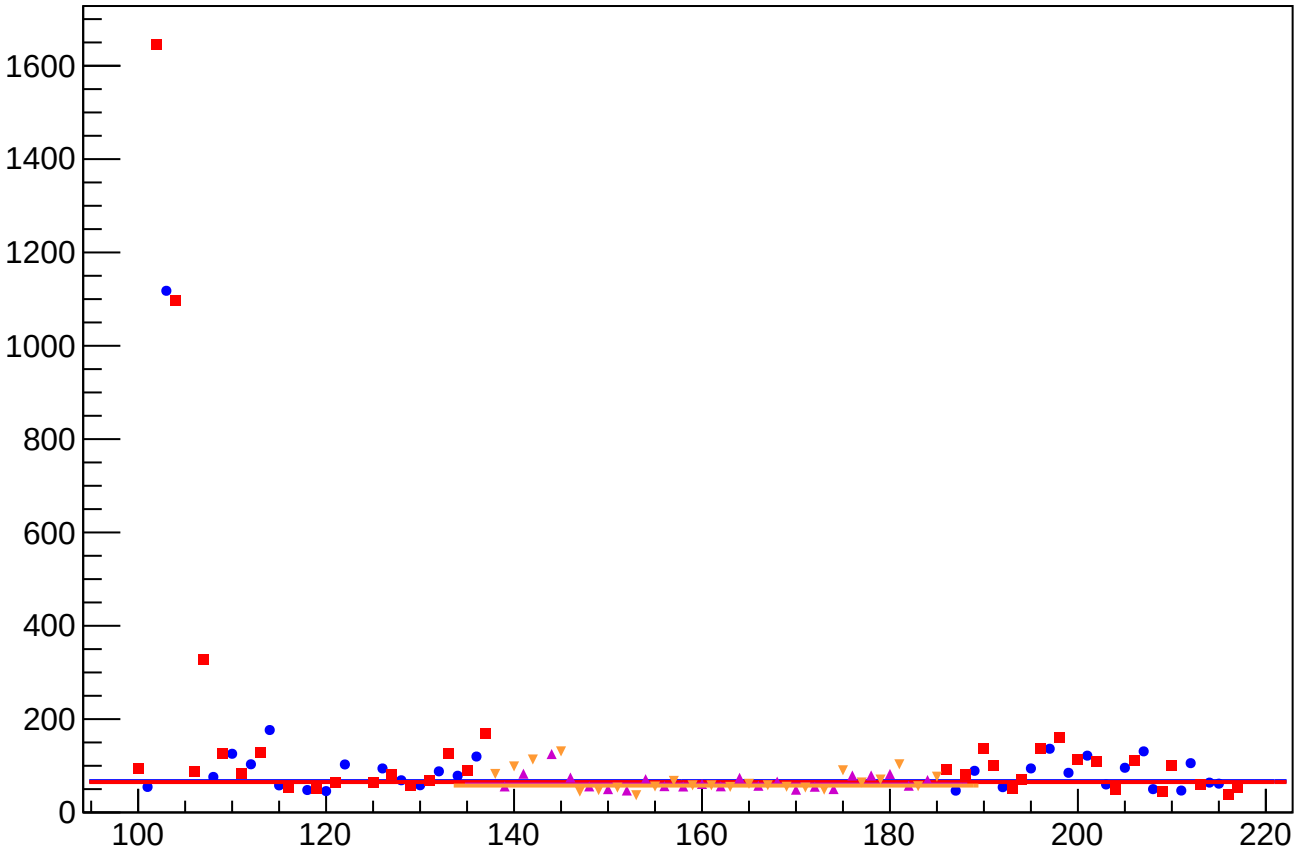
Right Out: 0.021+/-0.018 χ^2/NDF: 30.3/34

Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.004+/-0.012 χ^2/NDF: 68.2/54

All: 0.007+/-0.008 χ^2/NDF: 115.0/112

- sign 0.010+/-0.012 χ^2/NDF: 46.6/57



Right In: 67.126+/-0.013 χ^2/NDF: 4251100.2/30

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.117+/-0.013 χ^2/NDF: 6097346.5/34

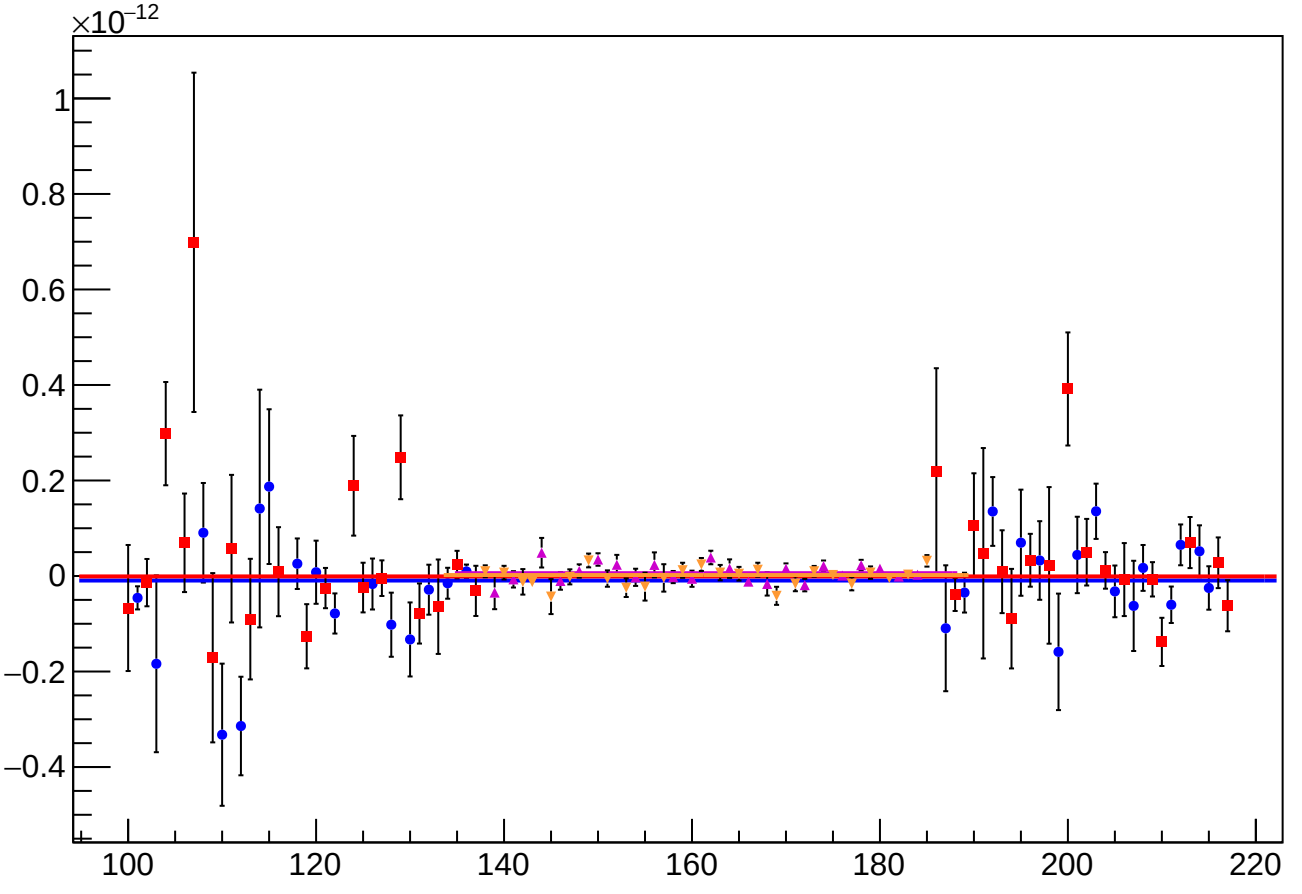
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.489+/-0.008 χ^2/NDF: 6788225.6/54

All: 61.797+/-0.006 χ^2/NDF: 14329544.0/112

- sign 62.108+/-0.008 χ^2/NDF: 7538497.4/57

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 49.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

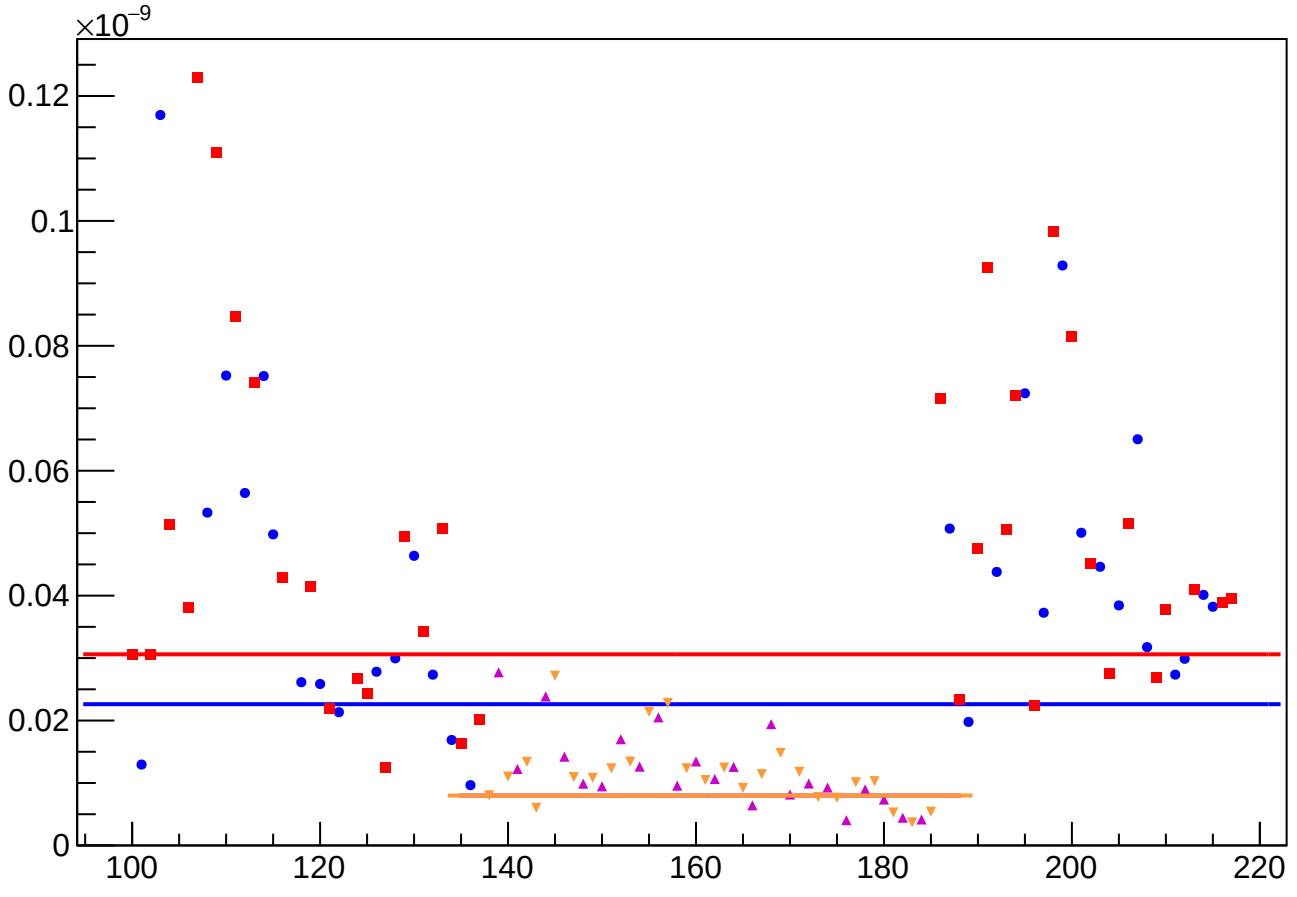
Right Out: -0.000+/-0.000 χ^2/NDF: 59.1/35

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.5/55

All: 0.000+/-0.000 χ^2/NDF: 177.3/114

- sign 0.000+/-0.000 χ^2/NDF: 92.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 6661573.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4574767.9/35

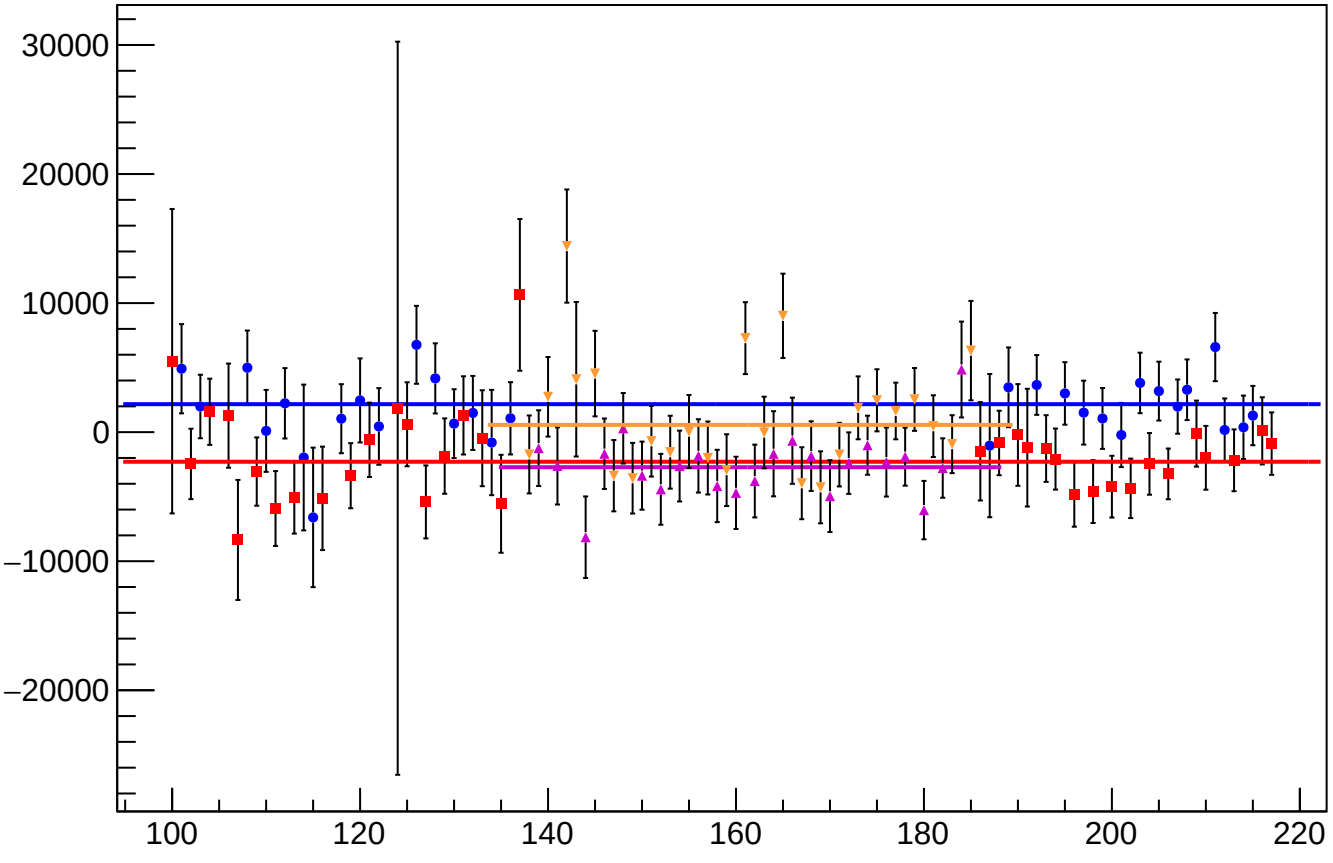
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17268372.3/55

All: 0.000+/-0.000 χ^2/NDF: 36487821.4/114

- sign 0.000+/-0.000 χ^2/NDF: 19214776.3/58

reg_asym_atl2_mean vs Slug



Right In: 2167.449+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2293.553+/-479.169 χ^2/NDF: 24.6/35

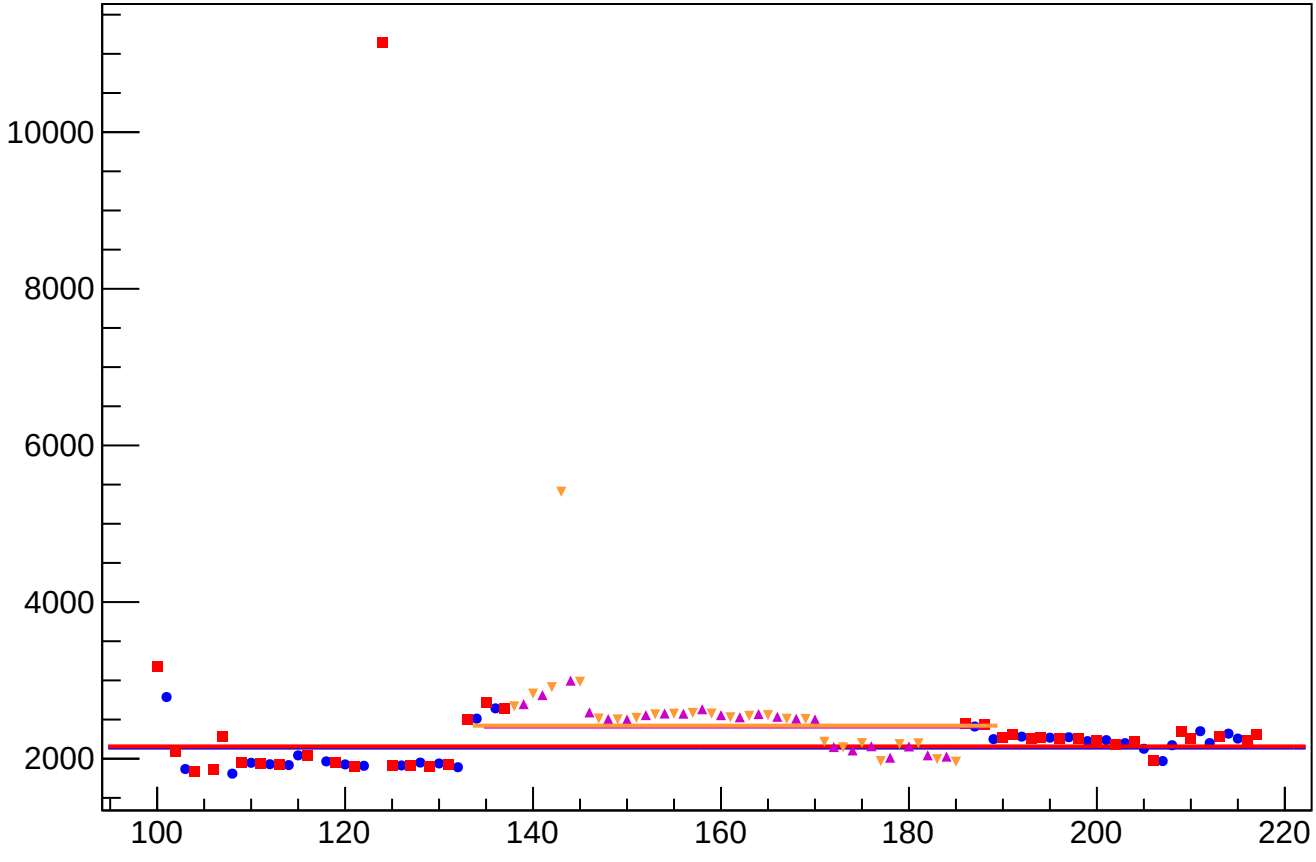
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1466.980+/-368.172 χ^2/NDF: 65.6/55

All: -514.375+/-259.482 χ^2/NDF: 162.3/114

- sign -2469.931+/-365.767 χ^2/NDF: 39.2/58

reg_asym_atl2_rms vs Slug



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.9/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.960+/-0.339 χ^2/NDF: 561522.2/35

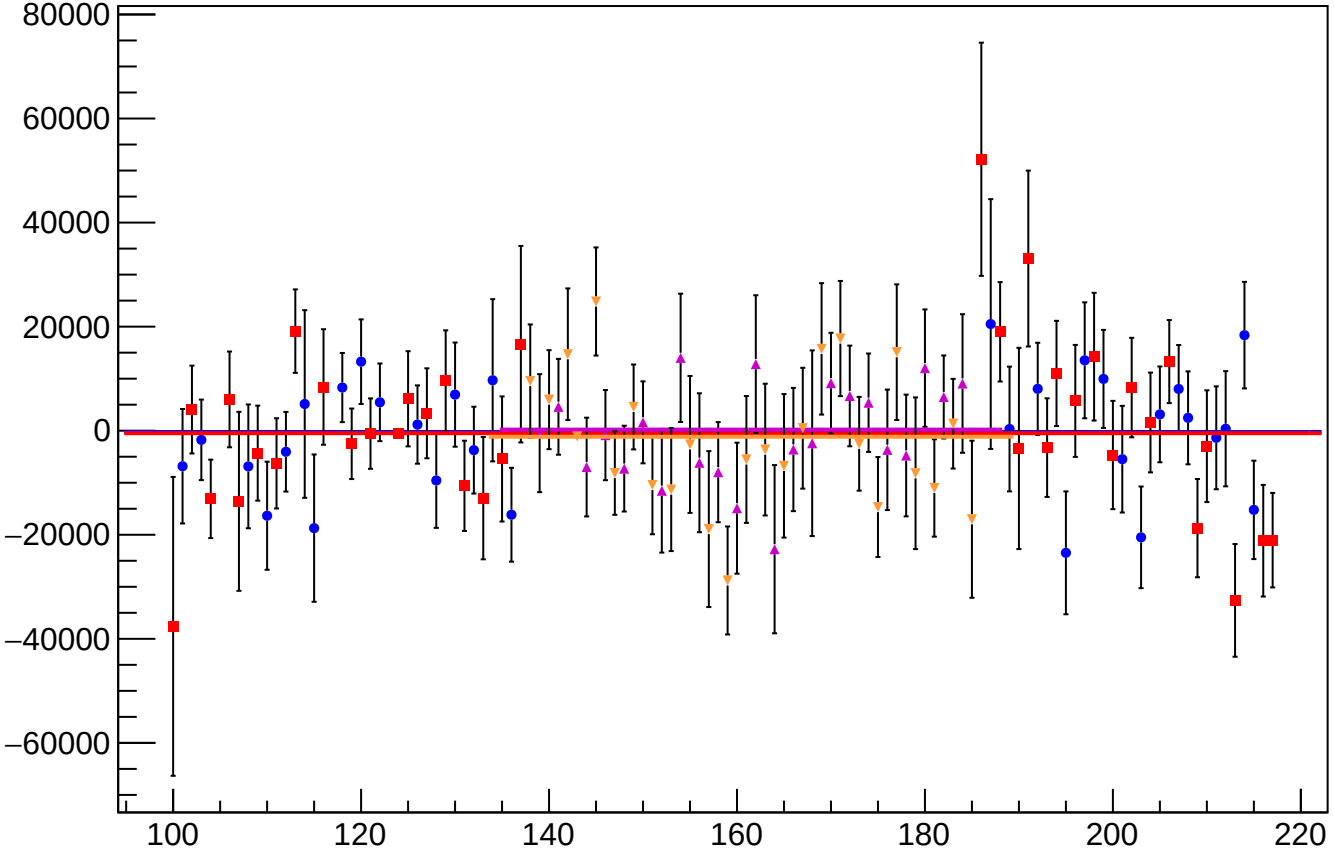
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.233+/-0.260 χ^2/NDF: 1615683.4/55

All: 2263.352+/-0.183 χ^2/NDF: 2838015.5/11

- sign 2262.483+/-0.259 χ^2/NDF: 1222309.3/58

asym_atl2_reg_correction_mean vs Slug



Right In: -242.872+/-1719.937 χ^2/NDF: 35.2/30

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -480.926+/-736.119 χ^2/NDF: 60.7/35

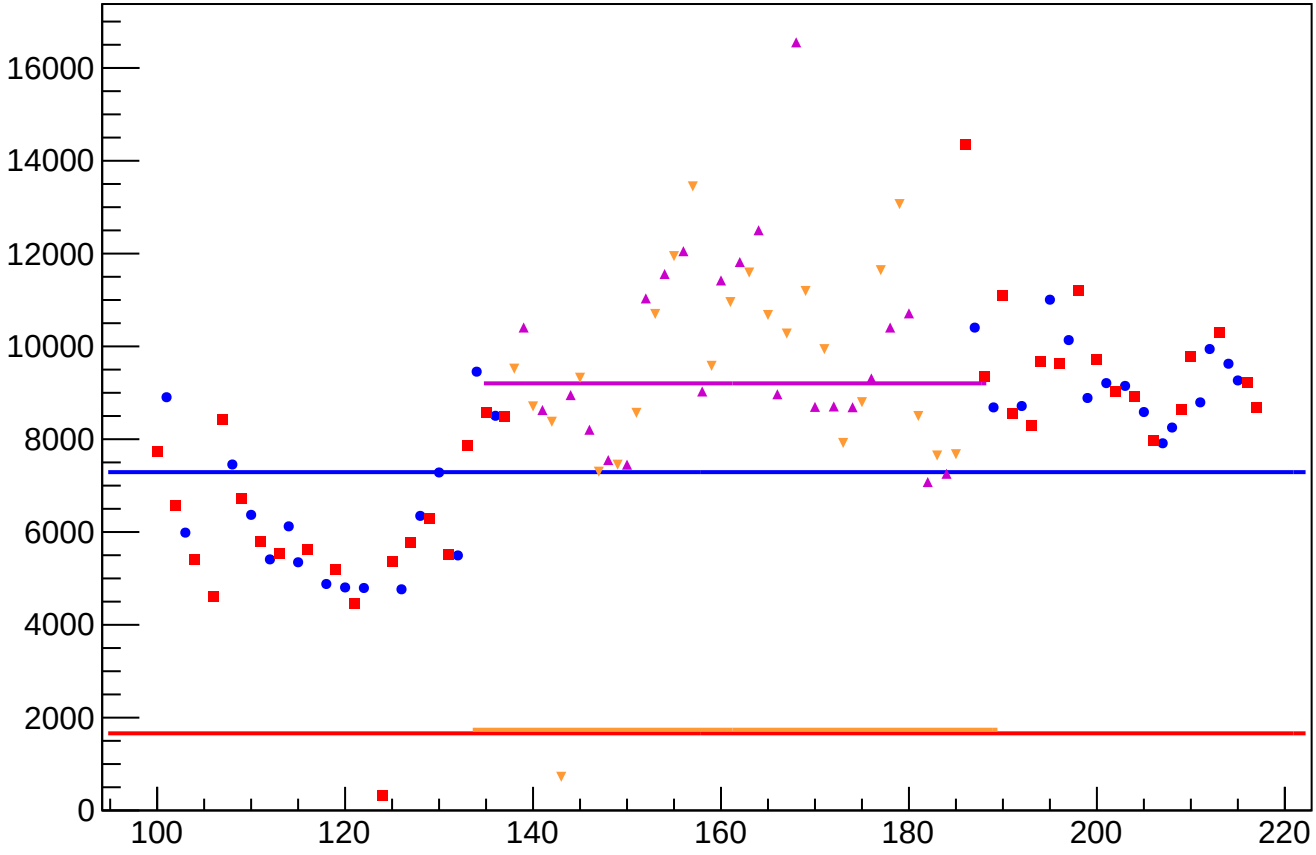
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1009.410+/-693.471 χ^2/NDF: 67.4/55

All: -712.175+/-491.923 χ^2/NDF: 141.9/114

- sign -411.114+/-697.920 χ^2/NDF: 74.2/58

asym_atl2_reg_correction_rms vs Slug



Right In: 7290.431+/-1.216 χ^2/NDF: 2437733.8/30

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1661.855+/-0.521 χ^2/NDF: 30744641.1/35

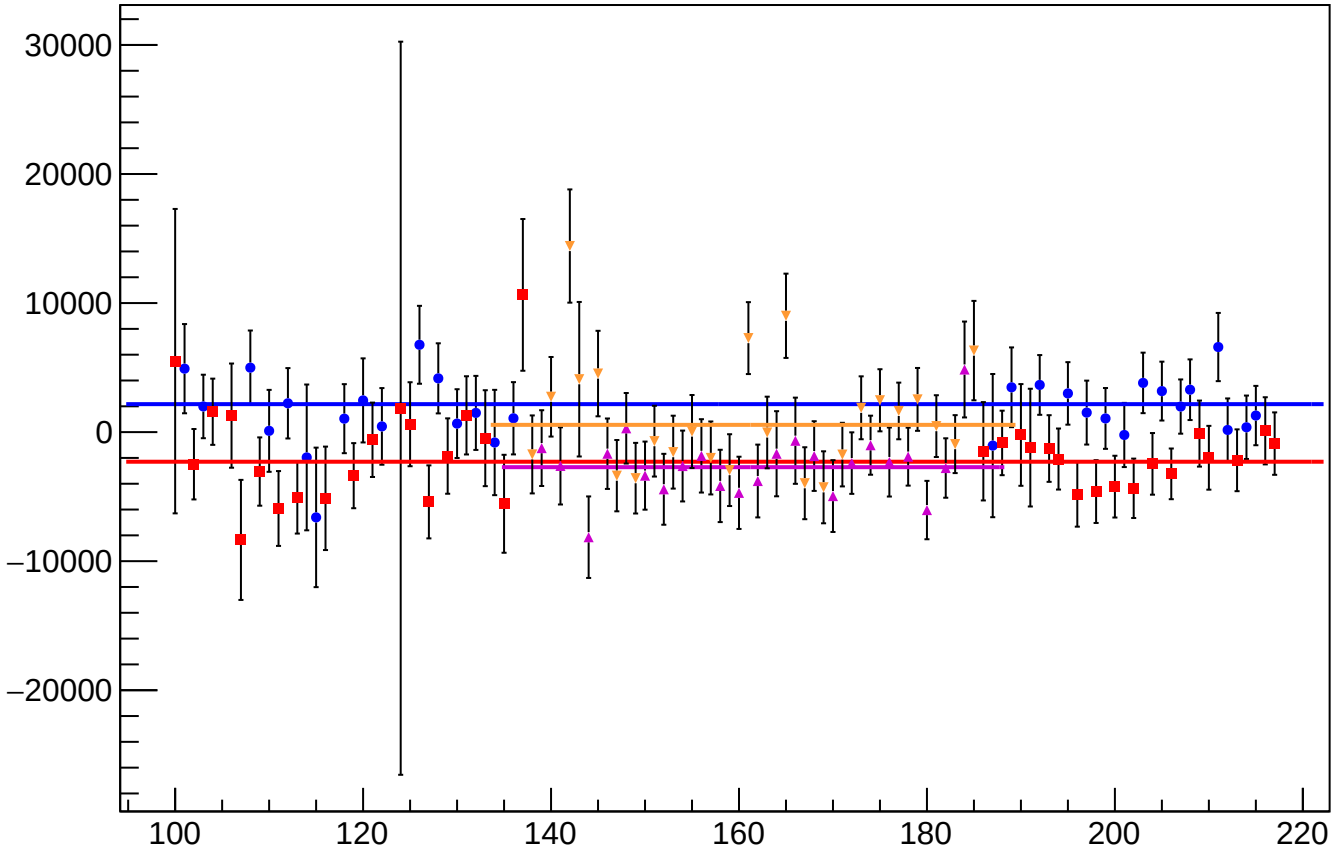
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2642.056+/-0.490 χ^2/NDF: 47616218.9/55

All: 2533.867+/-0.348 χ^2/NDF: 100954301.9

- sign 2424.285+/-0.494 χ^2/NDF: 53240098.6/58

cor_asym_atl2_mean vs Slug



Right In: 2167.413+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2294.277+/-479.171 χ^2/NDF: 24.6/35

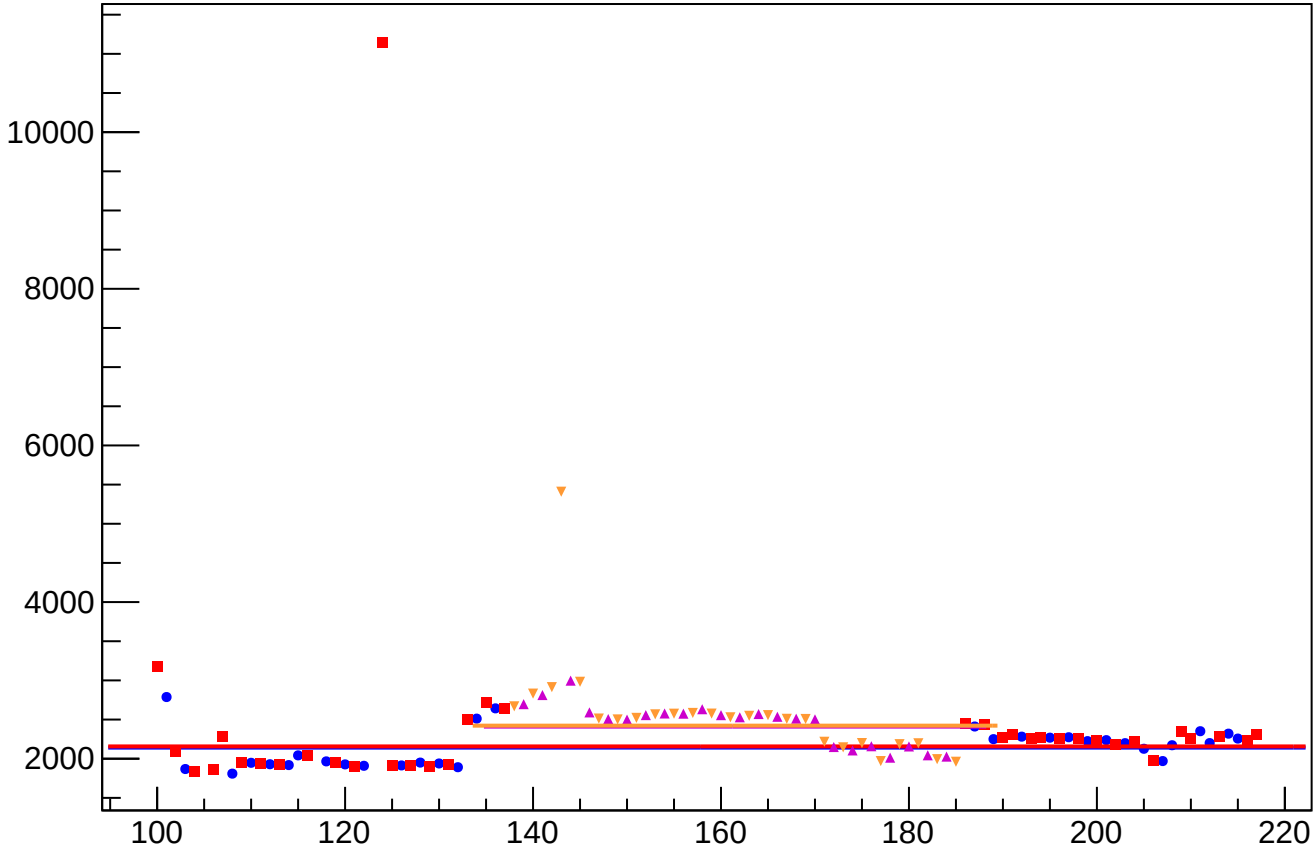
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1466.961+/-368.172 χ^2/NDF: 65.6/55

All: -514.585+/-259.483 χ^2/NDF: 162.3/114

- sign -2470.338+/-365.768 χ^2/NDF: 39.2/58

cor_asym_atl2_rms vs Slug



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.8/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

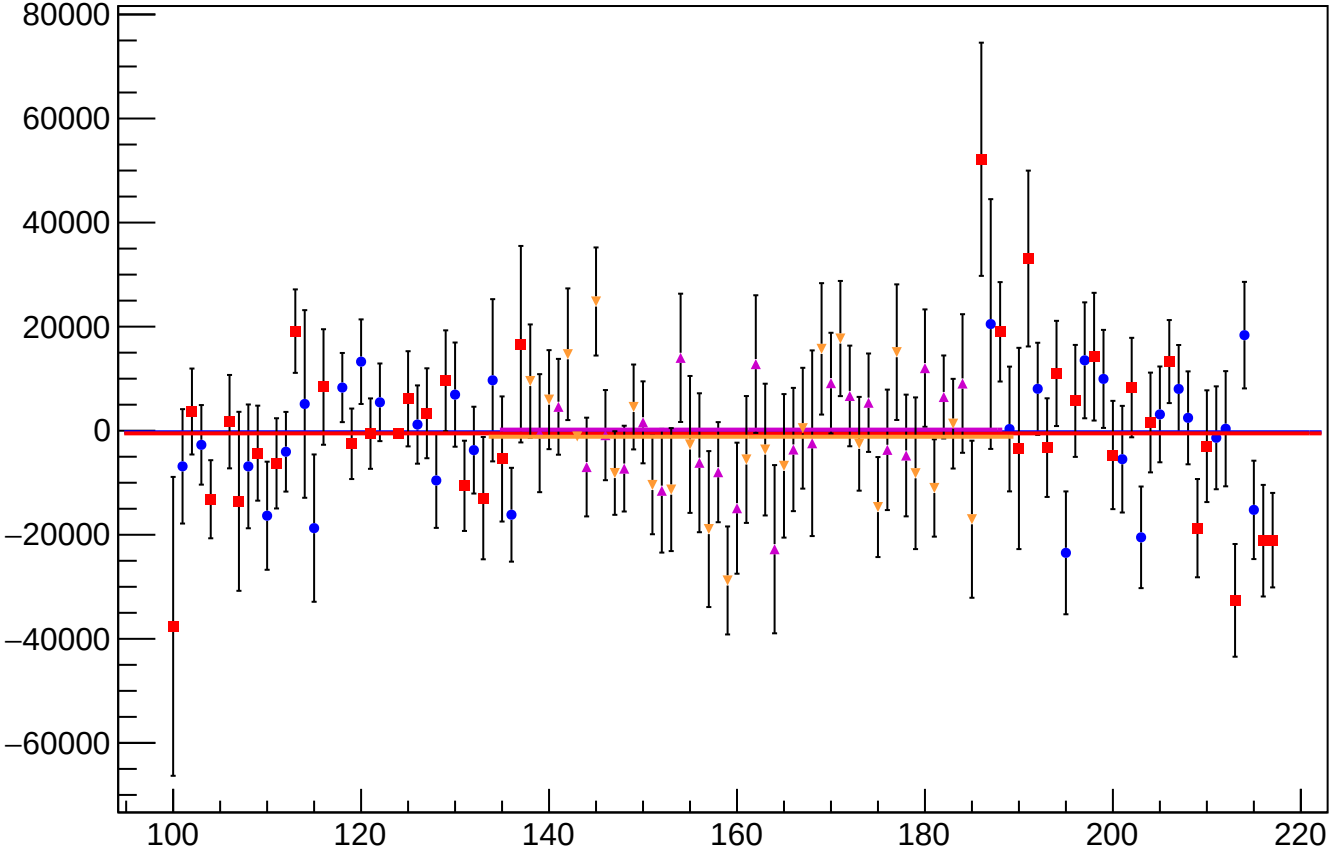
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.233+/-0.260 χ^2/NDF: 1615683.5/55

All: 2263.355+/-0.183 χ^2/NDF: 2837986.7/11

- sign 2262.489+/-0.259 χ^2/NDF: 1222280.7/58

asym_atl2_cor_correction_mean vs Slug



Right In: -293.622+/-1718.924 χ^2/NDF: 35.3/30

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -511.526+/-735.821 χ^2/NDF: 60.3/35

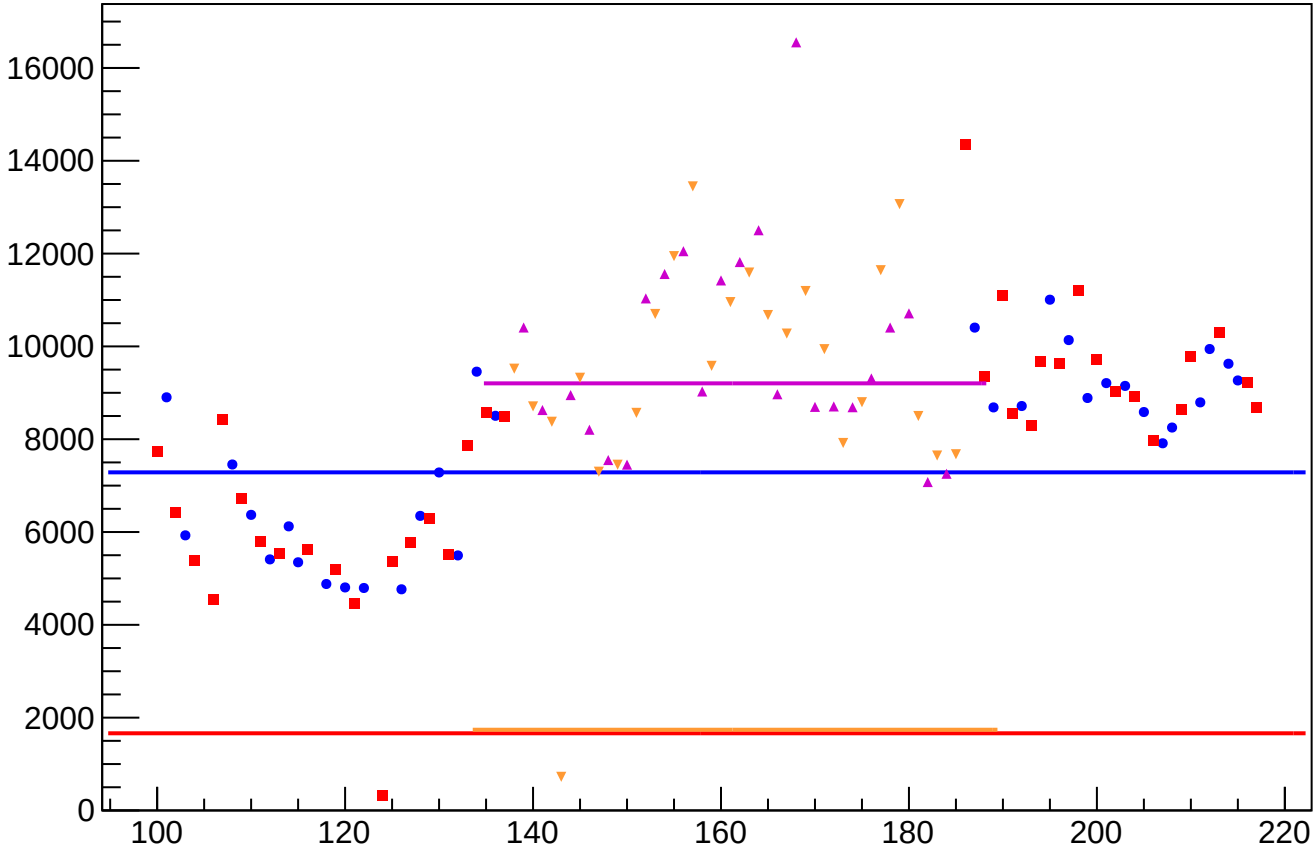
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1017.341+/-693.355 χ^2/NDF: 67.4/55

All: -729.808+/-491.793 χ^2/NDF: 141.5/114

\- sign -438.688+/-697.666 χ^2/NDF: 73.8/58

asym_atl2_cor_correction_rms vs Slug



Right In: 7285.920+/-1.215 χ^2/NDF: 2444307.0/30

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

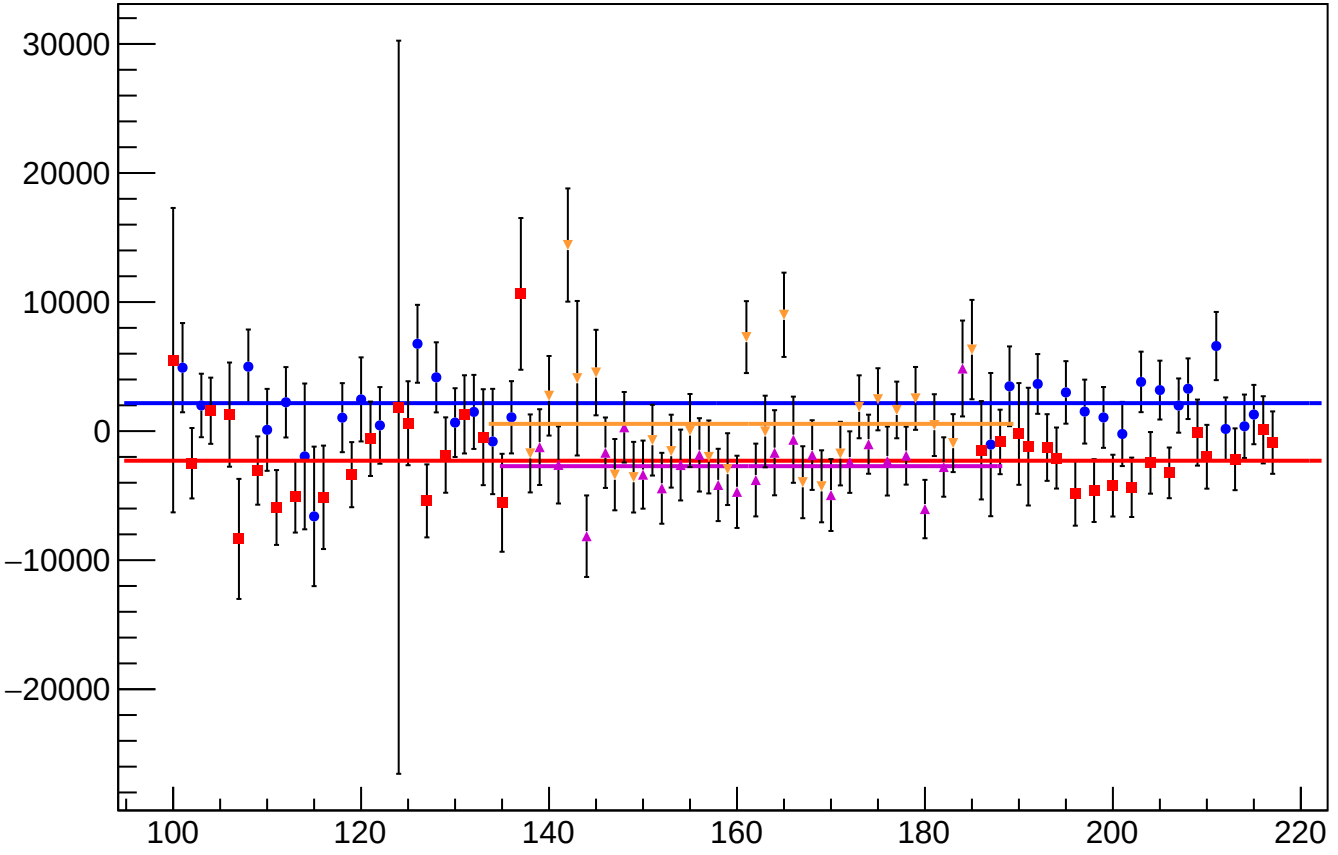
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2641.887+/-0.490 χ^2/NDF: 47614640.1/55

All: 2533.948+/-0.348 χ^2/NDF: 100937766.8

- sign 2424.661+/-0.493 χ^2/NDF: 53225579.9/58

eigen_cor_asym_atl2_mean vs Slug



Right In: 2167.413+/-490.422 χ^2/NDF: 17.0/30

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2294.277+/-479.171 χ^2/NDF: 24.6/35

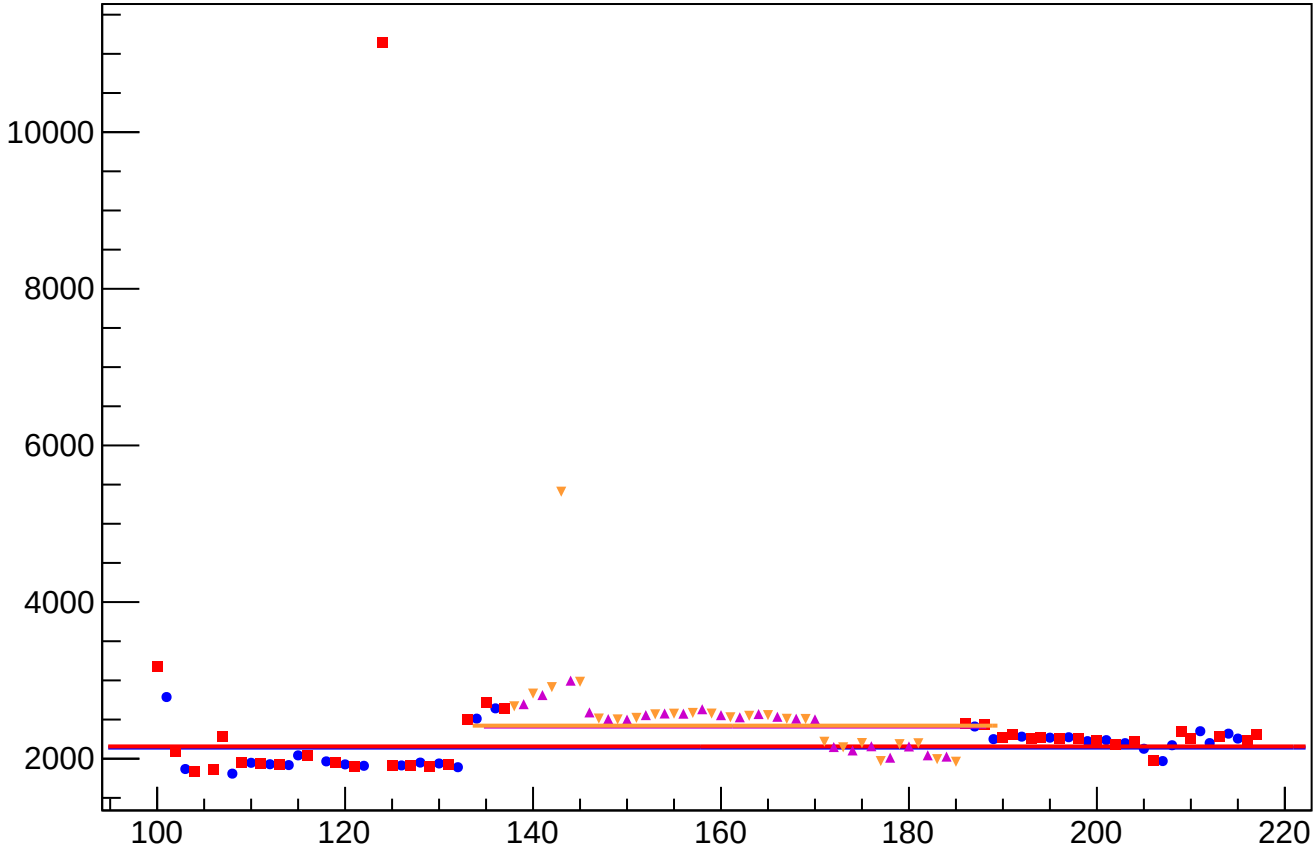
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1466.961+/-368.172 χ^2/NDF: 65.6/55

All: -514.585+/-259.483 χ^2/NDF: 162.3/114

- sign -2470.338+/-365.768 χ^2/NDF: 39.2/58

eigen_cor_asym_atl2_rms vs Slug



Right In: 2141.949+/-0.347 χ^2/NDF: 377898.8/30

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2156.970+/-0.339 χ^2/NDF: 561512.2/35

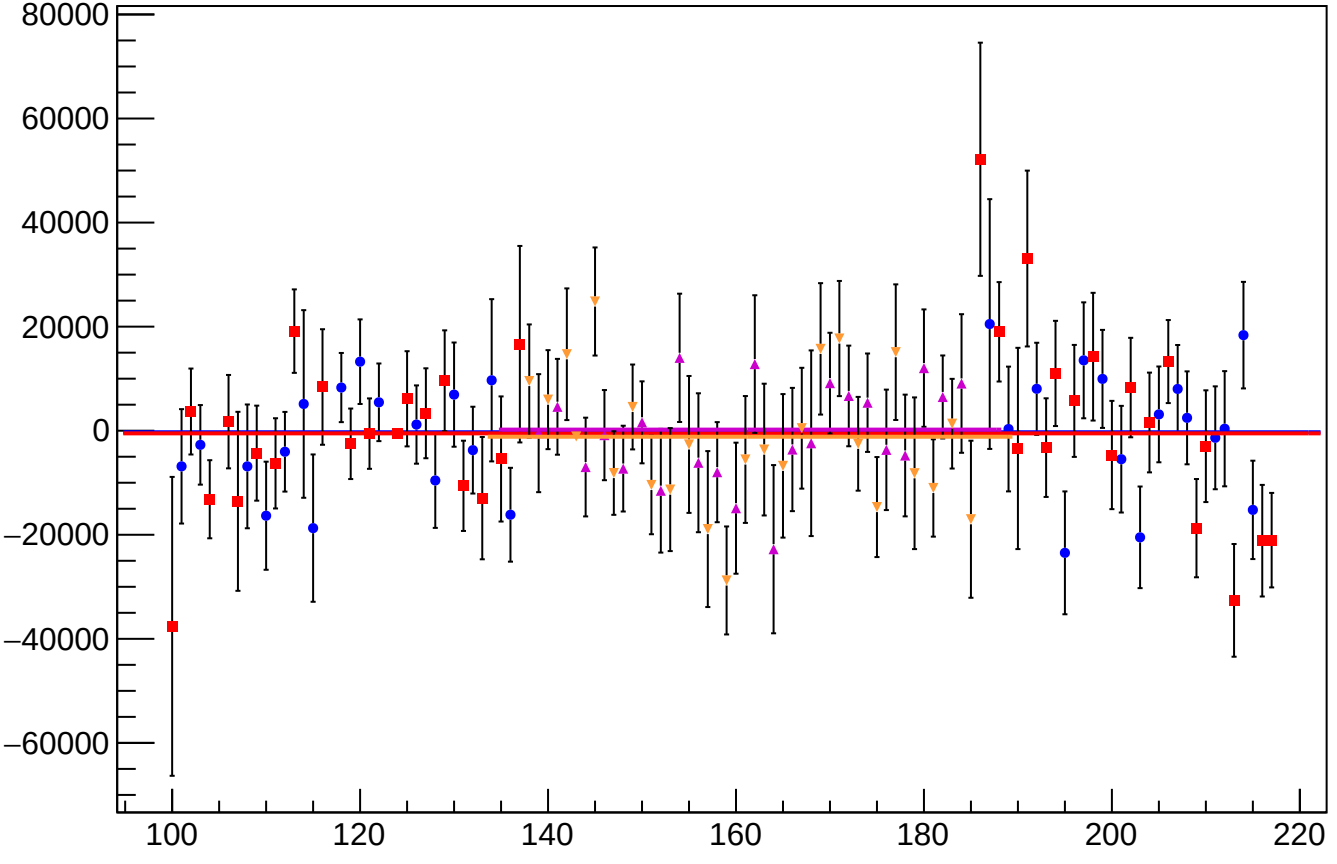
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.233+/-0.260 χ^2/NDF: 1615683.5/55

All: 2263.355+/-0.183 χ^2/NDF: 2837986.7/11

- sign 2262.489+/-0.259 χ^2/NDF: 1222280.7/58

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -293.622+/-1718.924 χ^2/NDF: 35.3/30

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -511.526+/-735.821 χ^2/NDF: 60.3/35

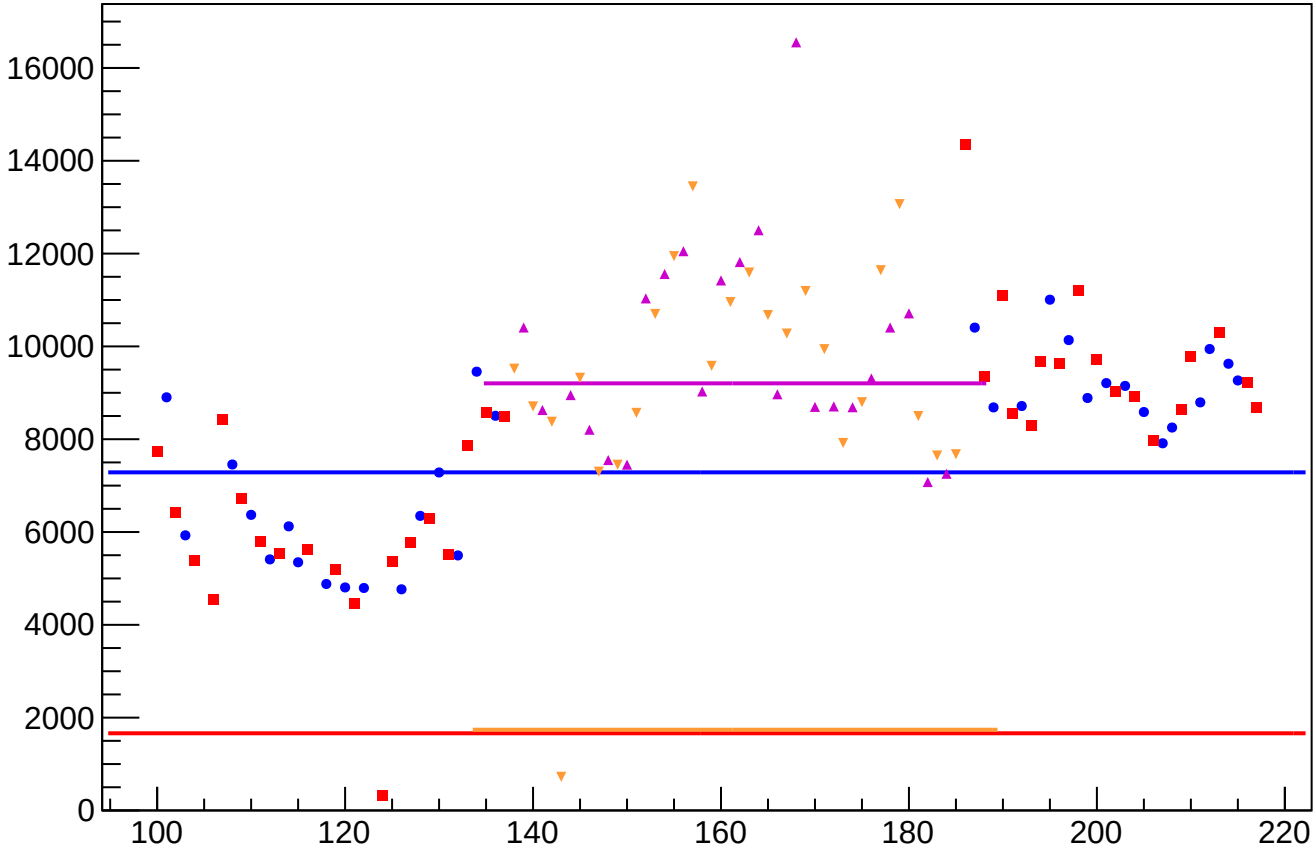
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

\+ sign -1017.341+/-693.355 χ^2/NDF: 67.4/55

All: -729.808+/-491.793 χ^2/NDF: 141.5/114

\- sign -438.688+/-697.666 χ^2/NDF: 73.8/58

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7285.920+/-1.215 χ^2/NDF: 2444307.0/30

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1662.891+/-0.520 χ^2/NDF: 30734230.0/35

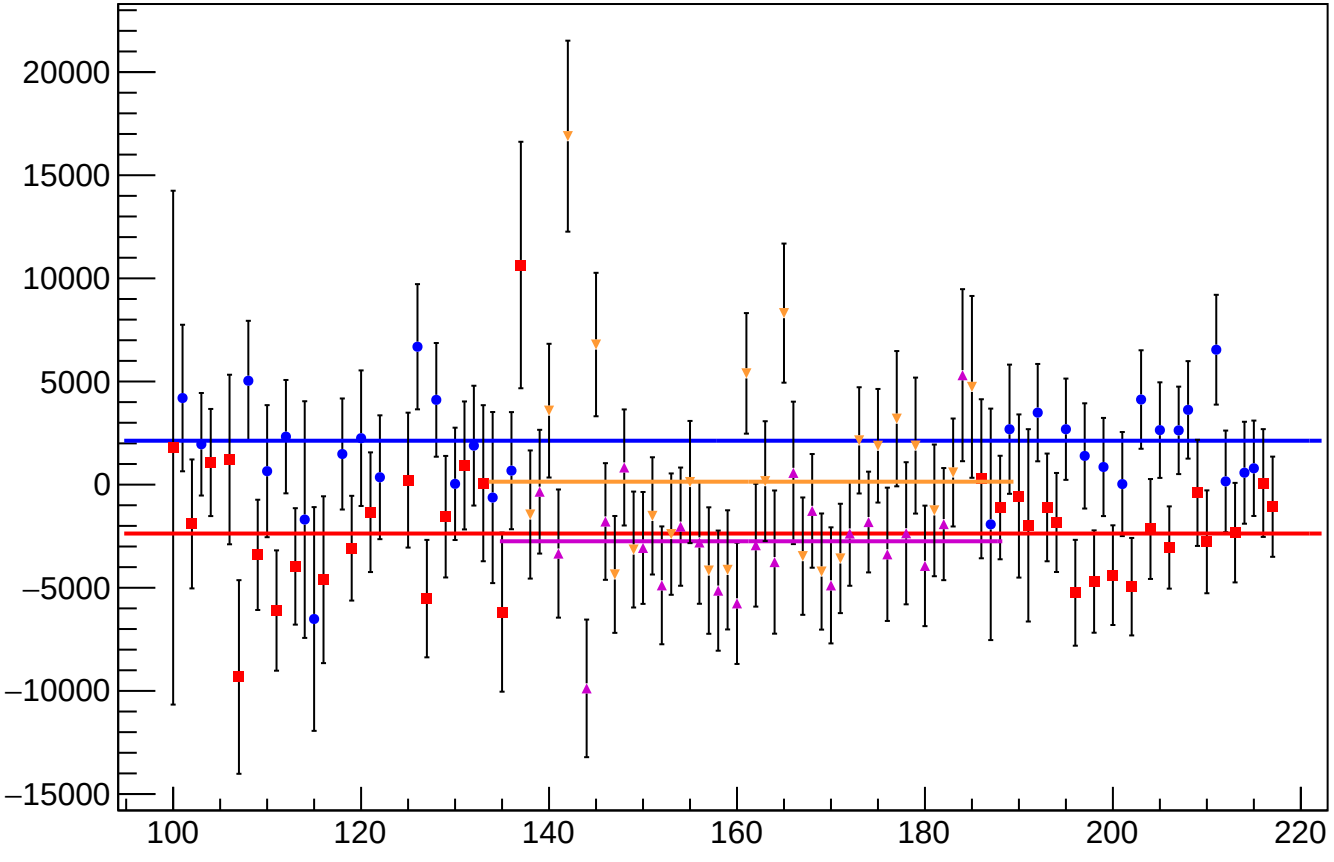
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2641.887+/-0.490 χ^2/NDF: 47614640.1/55

All: 2533.948+/-0.348 χ^2/NDF: 100937766.8

- sign 2424.661+/-0.493 χ^2/NDF: 53225579.9/58

dit_asym_atl2_mean vs Slug



Right In: 2128.740+/-496.433 χ^2/NDF: 16.3/30

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2370.725+/-486.599 χ^2/NDF: 23.8/34

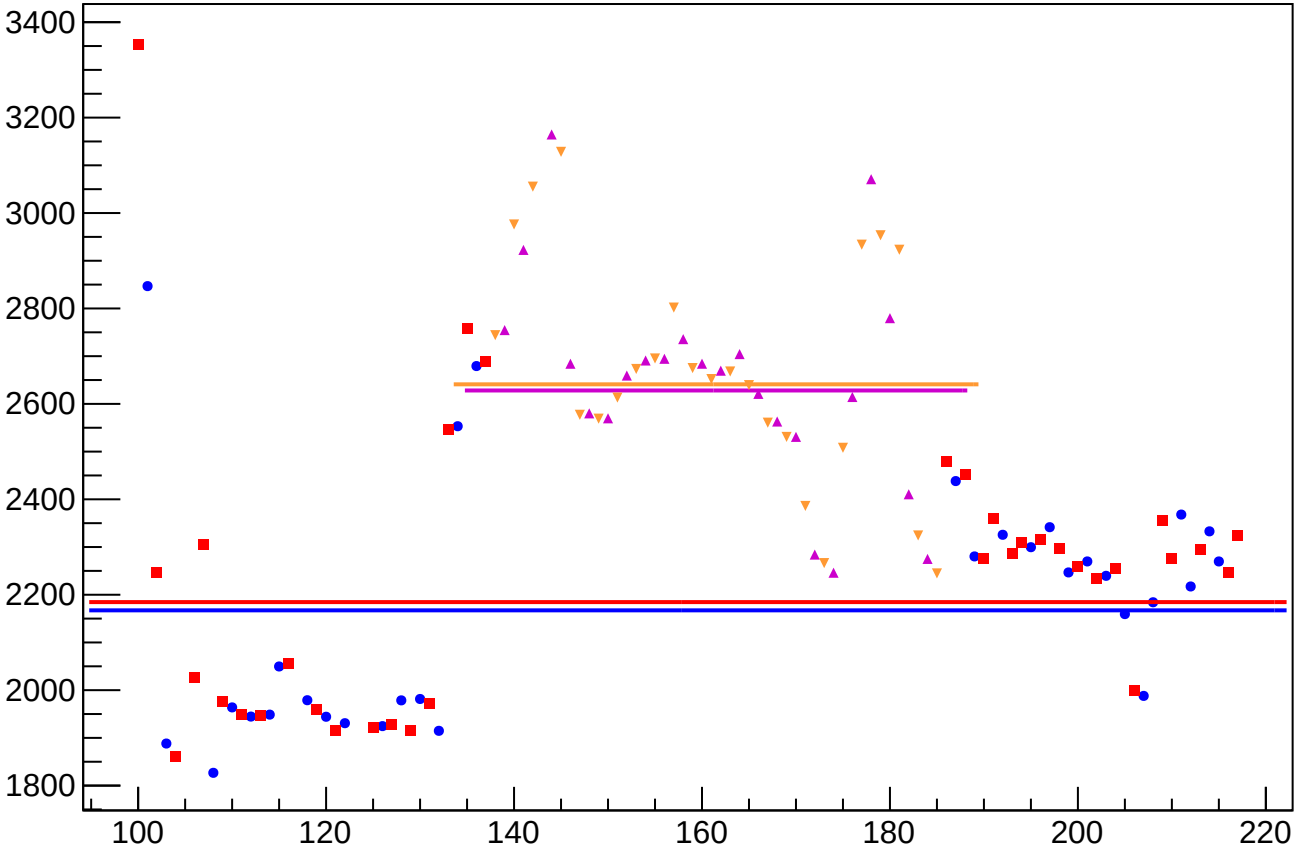
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1346.252+/-386.468 χ^2/NDF: 68.5/54

All: -607.432+/-271.633 χ^2/NDF: 158.4/112

- sign -2514.876+/-381.867 χ^2/NDF: 39.5/57

dit_asym_atl2_rms vs Slug



Right In: 2167.298+/-0.351 χ^2/NDF: 389596.4/30

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2184.598+/-0.344 χ^2/NDF: 361649.8/34

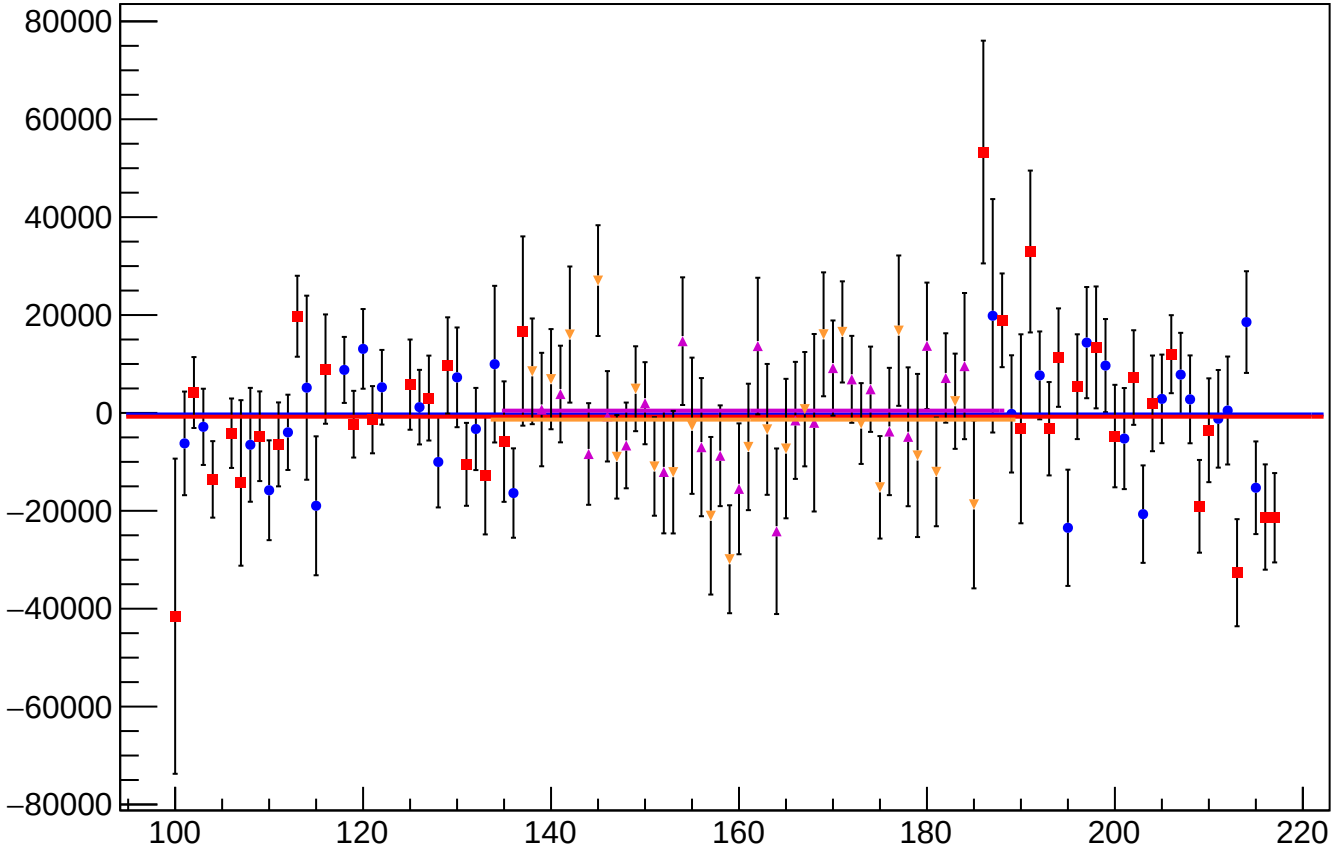
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2353.911+/-0.273 χ^2/NDF: 1360373.3/54

All: 2354.383+/-0.192 χ^2/NDF: 2598087.3/11

- sign 2354.844+/-0.270 χ^2/NDF: 1237708.1/57

asym_atl2_dit_correction_mean vs Slug



Right In: -316.748+/-1731.866 χ^2/NDF: 34.9/30

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -769.822+/-1651.949 χ^2/NDF: 60.1/34

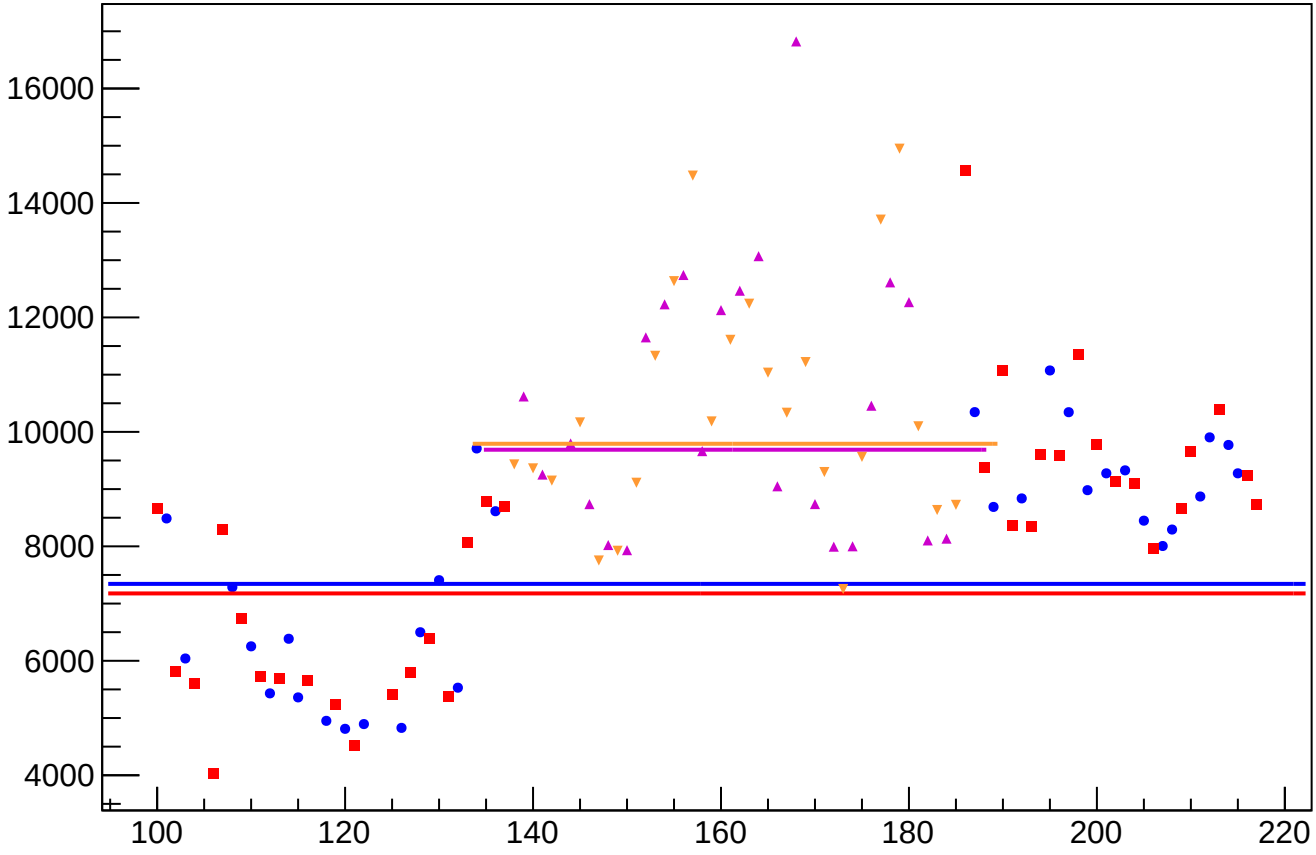
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -691.211+/-1389.167 χ^2/NDF: 66.3/54

All: -516.842+/-966.144 χ^2/NDF: 139.6/112

- sign -353.484+/-1344.589 χ^2/NDF: 73.3/57

asym_atl2_dit_correction_rms vs Slug



Right In: 7343.984+/-1.225 χ^2/NDF: 2401432.6/30

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 7177.260+/-1.168 χ^2/NDF: 3114229.5/34

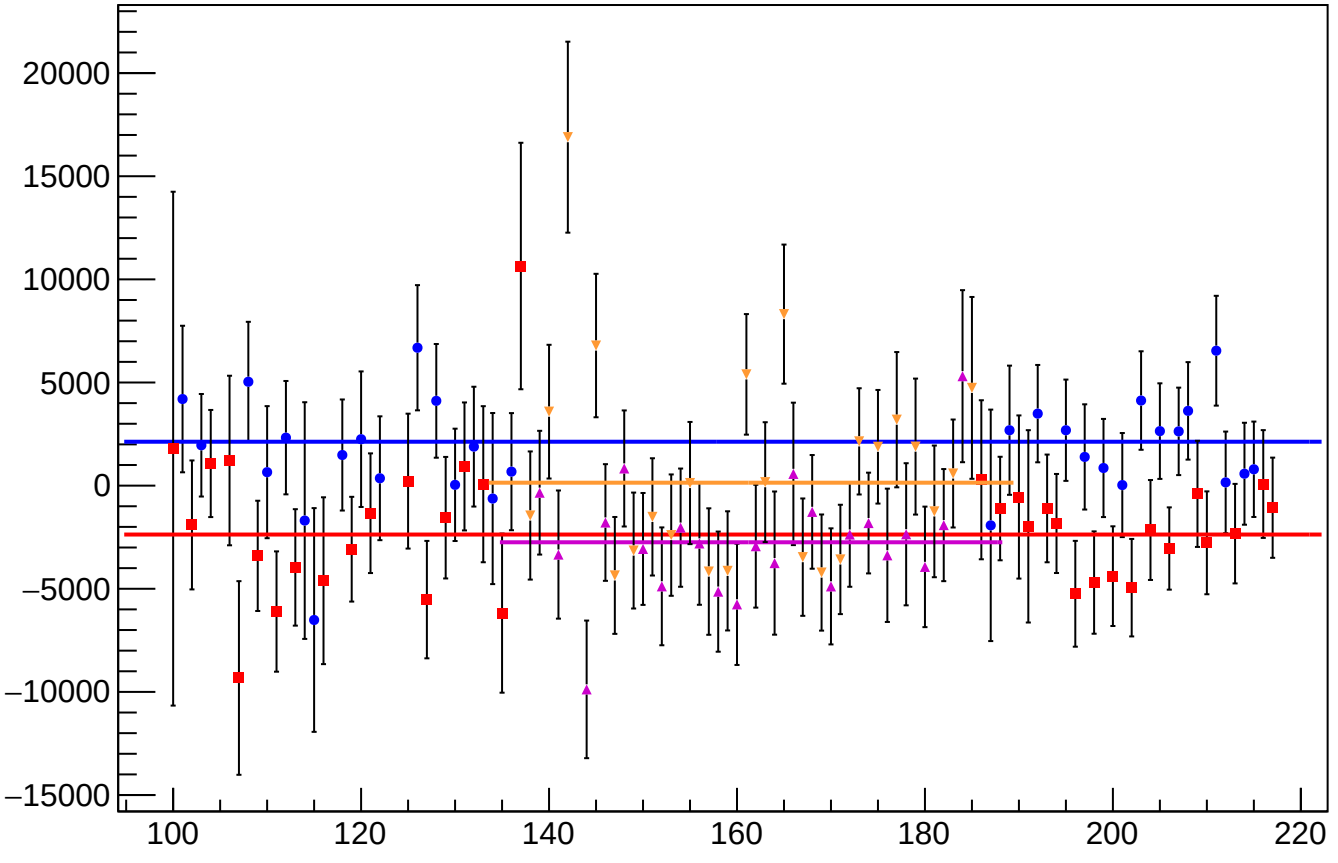
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8217.031+/-0.982 χ^2/NDF: 5045757.6/54

All: 8117.727+/-0.683 χ^2/NDF: 11117419.6/1

- sign 8024.694+/-0.951 χ^2/NDF: 6051867.3/57

eigen_dit_asym_atl2_mean vs Slug



Right In: 2128.741+/-496.433 χ^2/NDF: 16.3/30

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2370.722+/-486.599 χ^2/NDF: 23.8/34

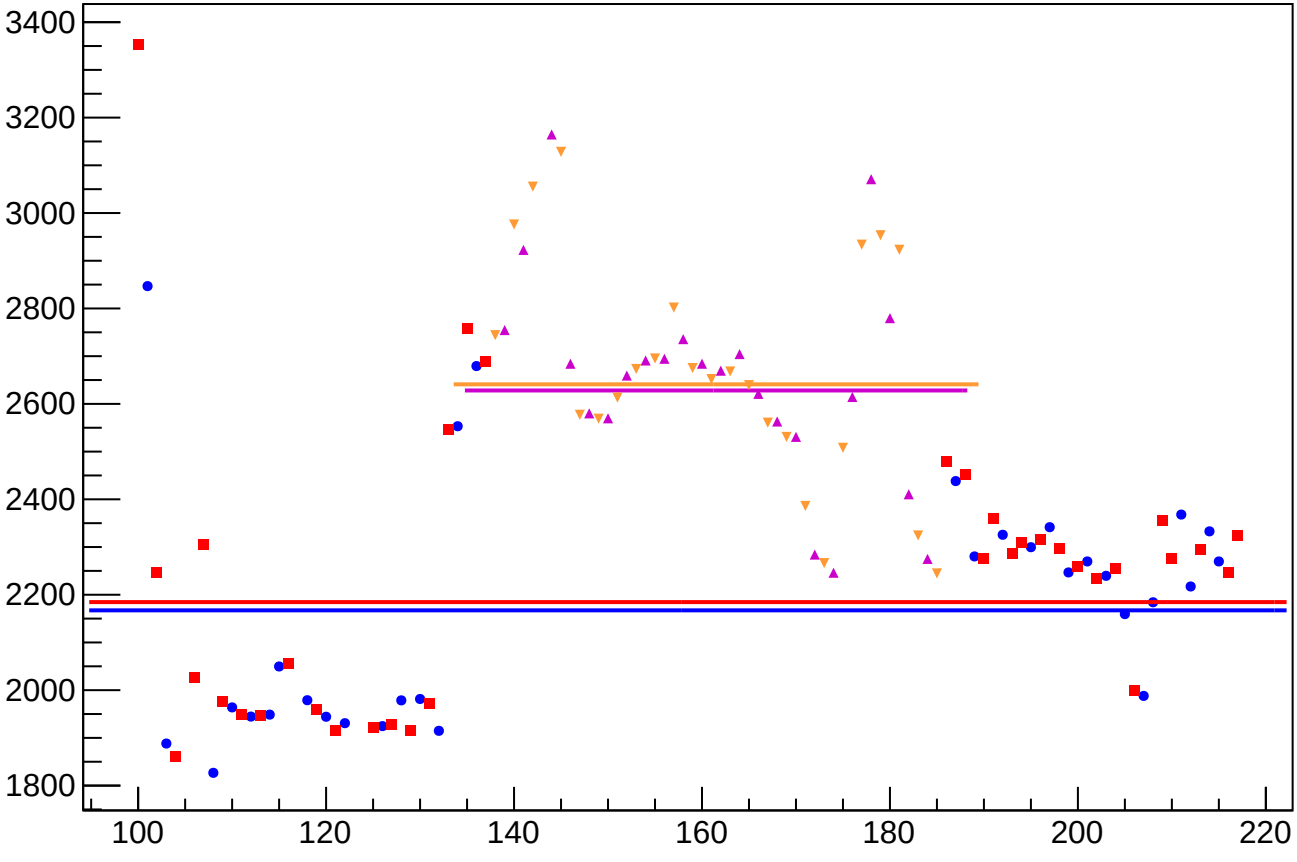
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1346.250+/-386.468 χ^2/NDF: 68.5/54

All: -607.432+/-271.633 χ^2/NDF: 158.4/112

- sign -2514.874+/-381.867 χ^2/NDF: 39.5/57

eigen_dit_asym_atl2_rms vs Slug



Right In: 2167.299+/-0.351 χ^2/NDF: 389596.4/30

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2184.598+/-0.344 χ^2/NDF: 361650.4/34

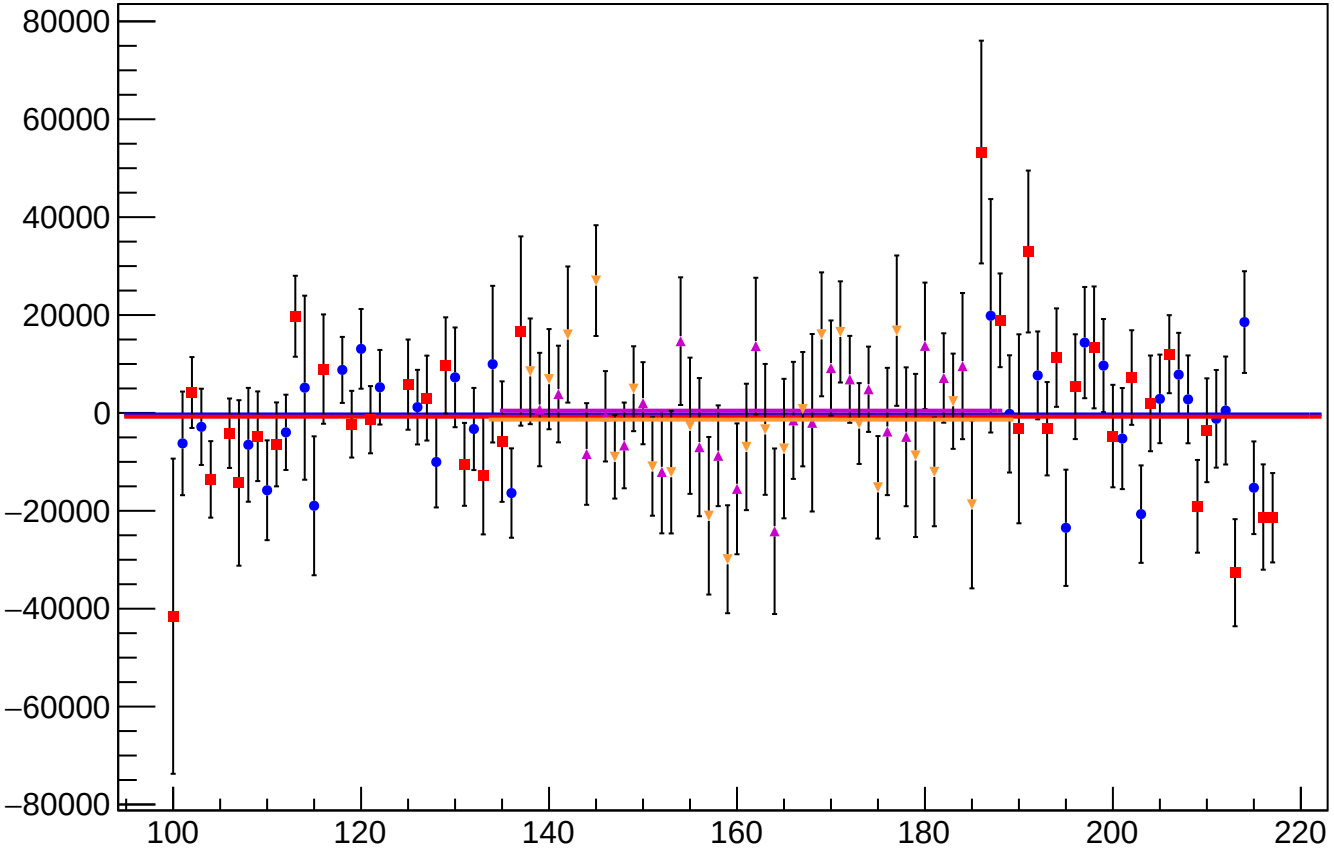
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2353.912+/-0.273 χ^2/NDF: 1360388.1/54

All: 2354.384+/-0.192 χ^2/NDF: 2598117.7/11

- sign 2354.844+/-0.270 χ^2/NDF: 1237723.7/57

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -316.741+/-1731.865 χ^2/NDF: 34.9/30

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -769.829+/-1651.947 χ^2/NDF: 60.1/34

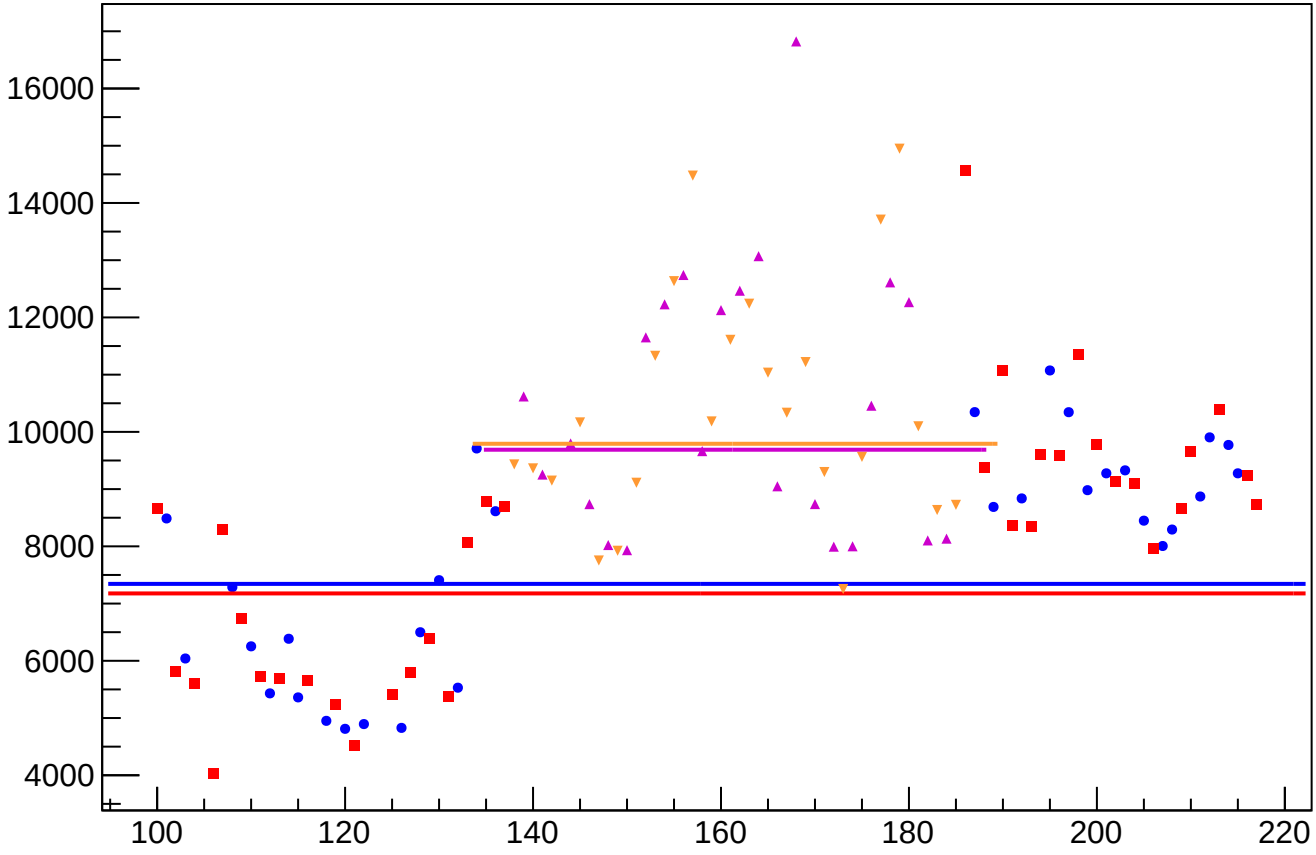
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -691.209+/-1389.168 χ^2/NDF: 66.3/54

All: -516.843+/-966.144 χ^2/NDF: 139.6/112

- sign -353.489+/-1344.589 χ^2/NDF: 73.3/57

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7343.974+/-1.225 χ^2/NDF: 2401482.5/30

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 7177.248+/-1.168 χ^2/NDF: 3114270.0/34

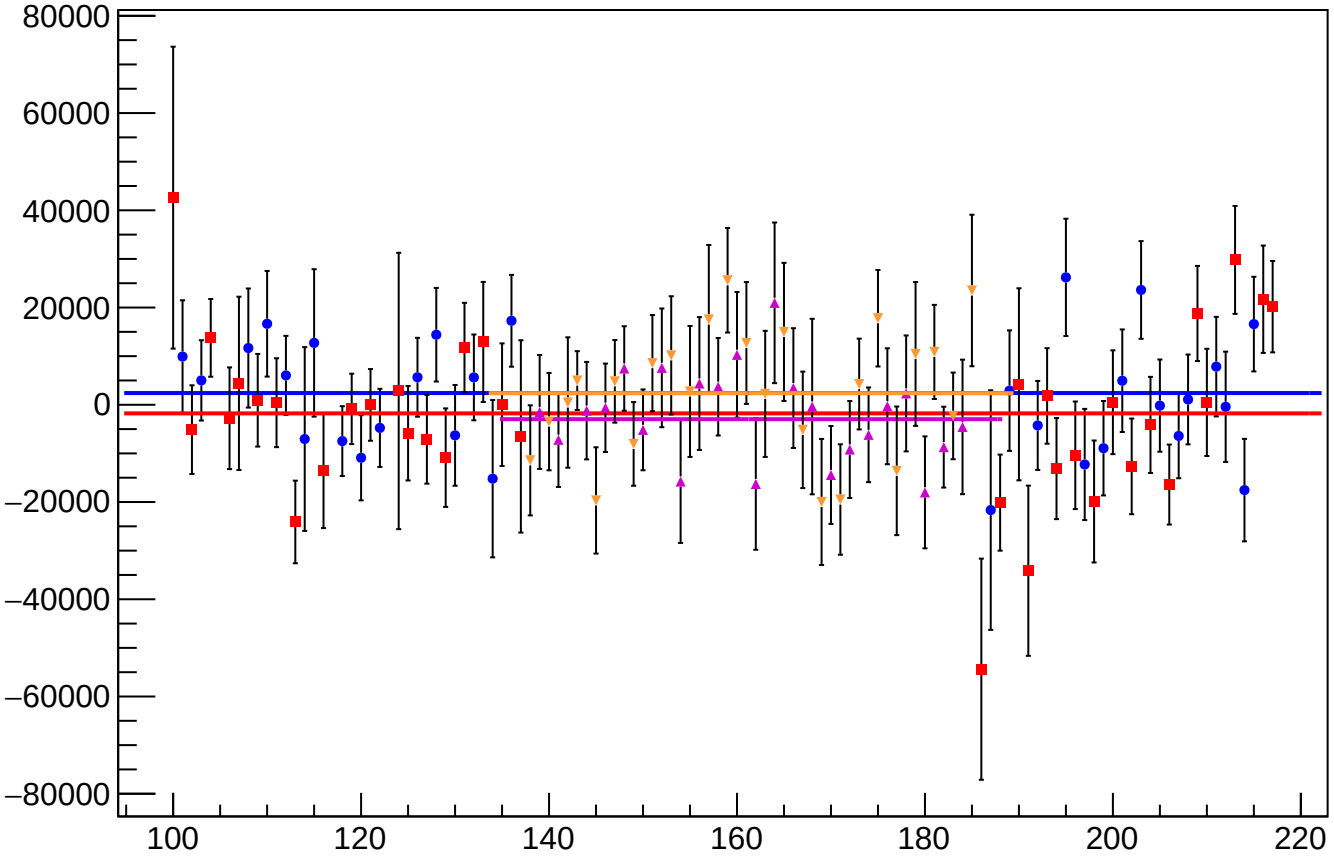
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8217.028+/-0.982 χ^2/NDF: 5045836.0/54

All: 8117.723+/-0.683 χ^2/NDF: 11117572.1/1

- sign 8024.688+/-0.951 χ^2/NDF: 6051940.9/57

asym_atl2_mean vs Slug



Right In: 2411.584+/-1802.809 χ^2/NDF: 35.0/30

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -1767.346+/-1751.784 χ^2/NDF: 62.6/35

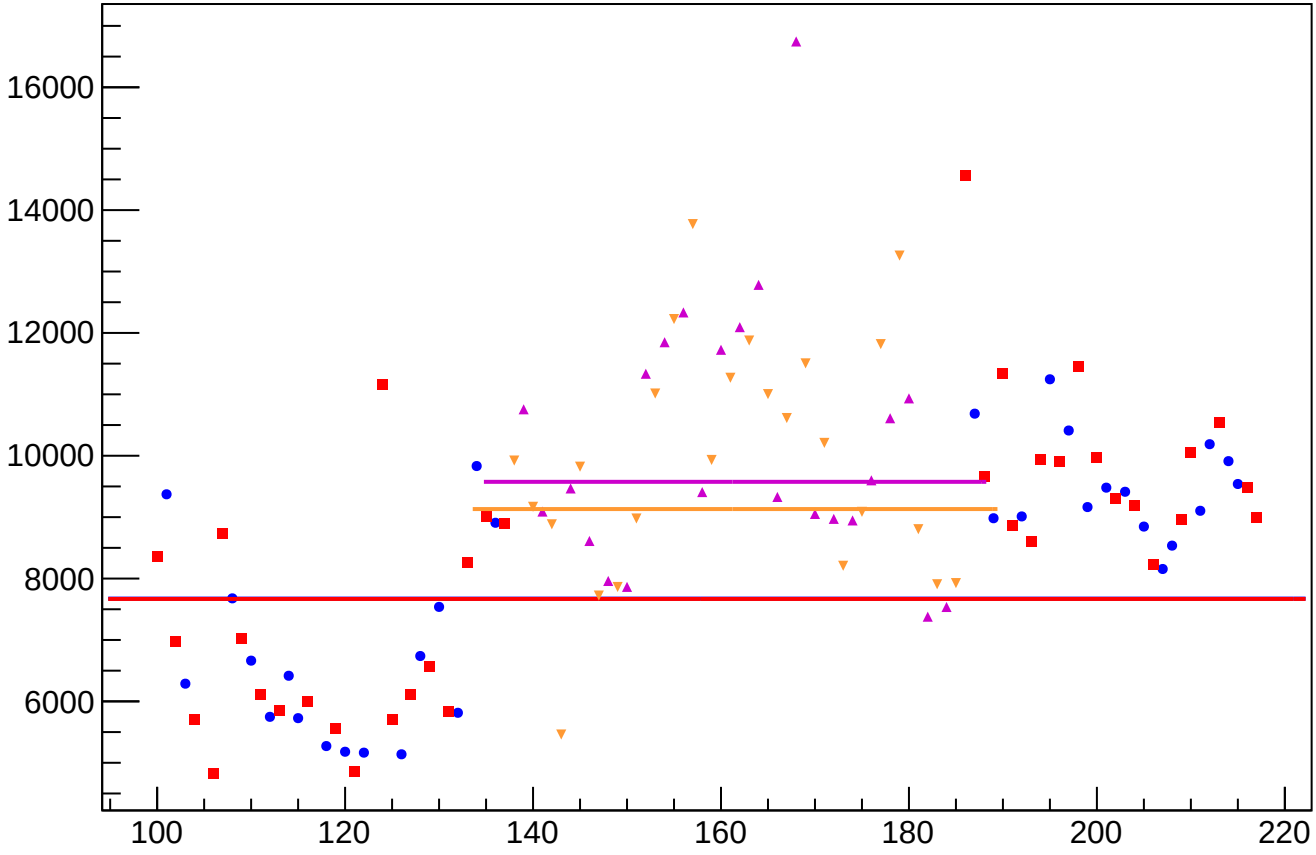
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2401.717+/-1377.836 χ^2/NDF: 64.8/55

All: 113.441+/-978.155 χ^2/NDF: 146.0/114

- sign -2211.632+/-1388.870 χ^2/NDF: 75.7/58

asym_atl2_rms vs Slug



Right In: 7673.179+/-1.275 χ^2/NDF: 2130870.3/30

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

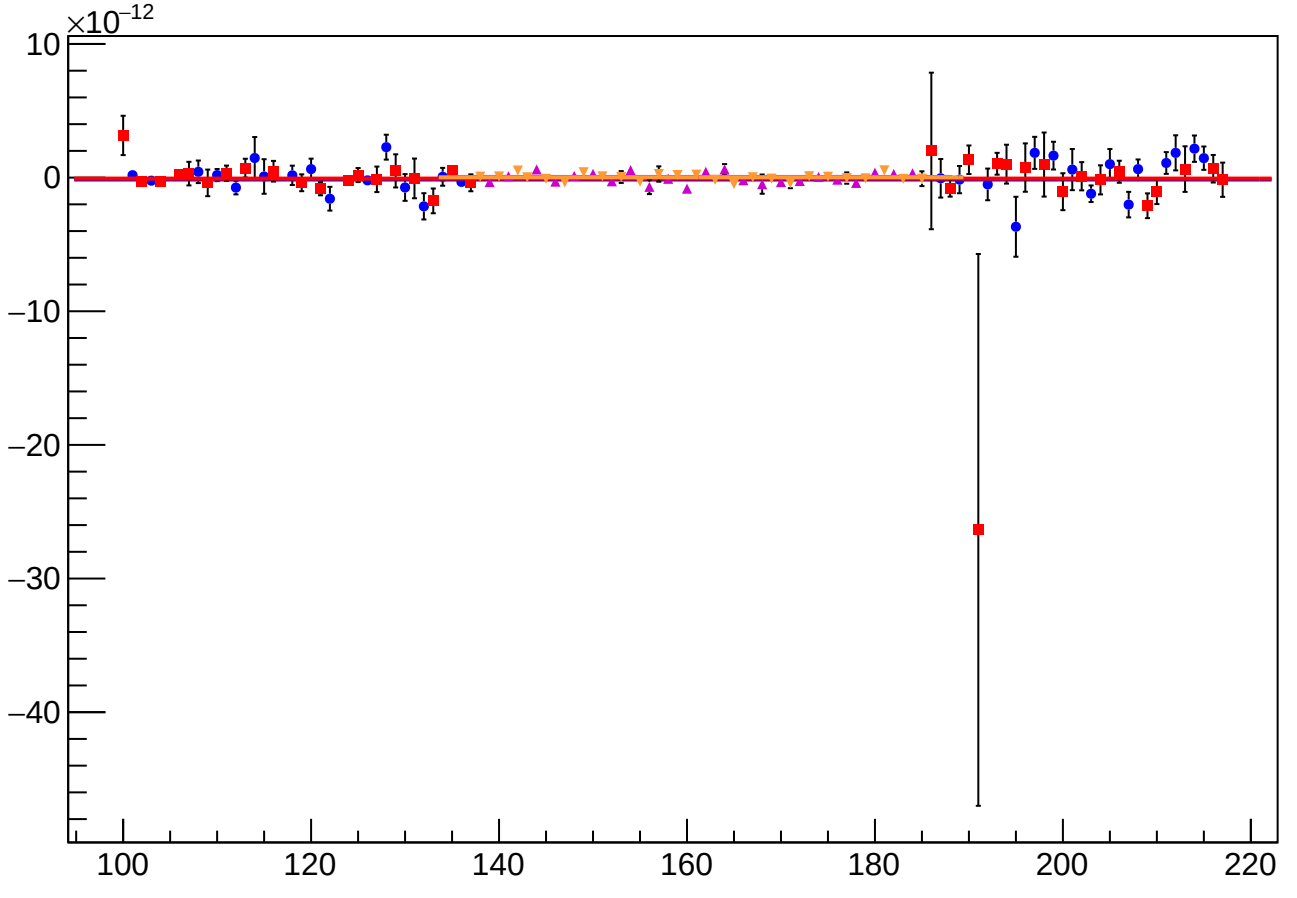
Right Out: 7668.012+/-1.239 χ^2/NDF: 2537494.5/35

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8279.767+/-0.974 χ^2/NDF: 4486961.2/55

All: 8327.691+/-0.692 χ^2/NDF: 9063645.8/11

- sign 8376.386+/-0.982 χ^2/NDF: 4571806.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 52.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/35

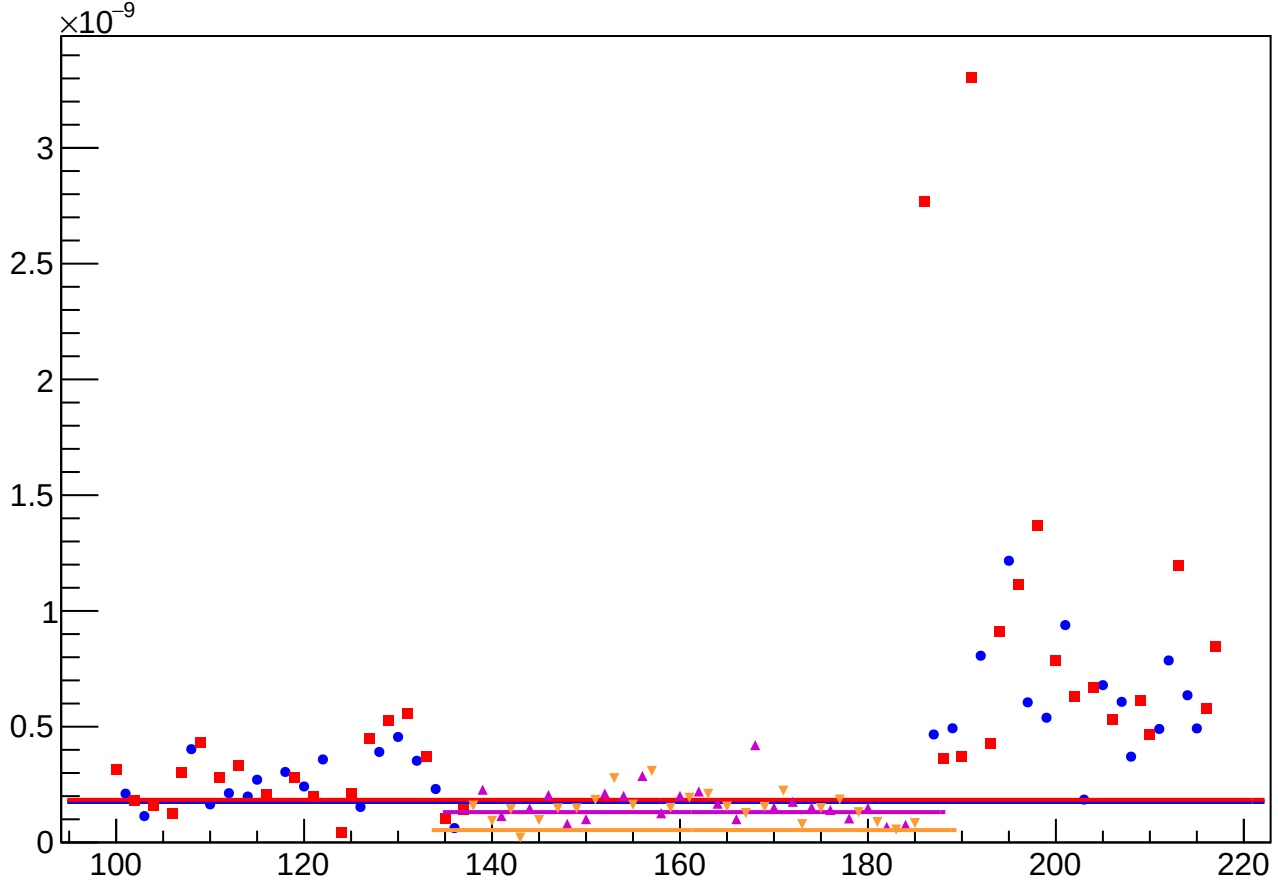
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.3/55

All: 0.000+/-0.000 χ^2/NDF: 147.5/114

- sign 0.000+/-0.000 χ^2/NDF: 74.1/58

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6848934.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8839555.6/35

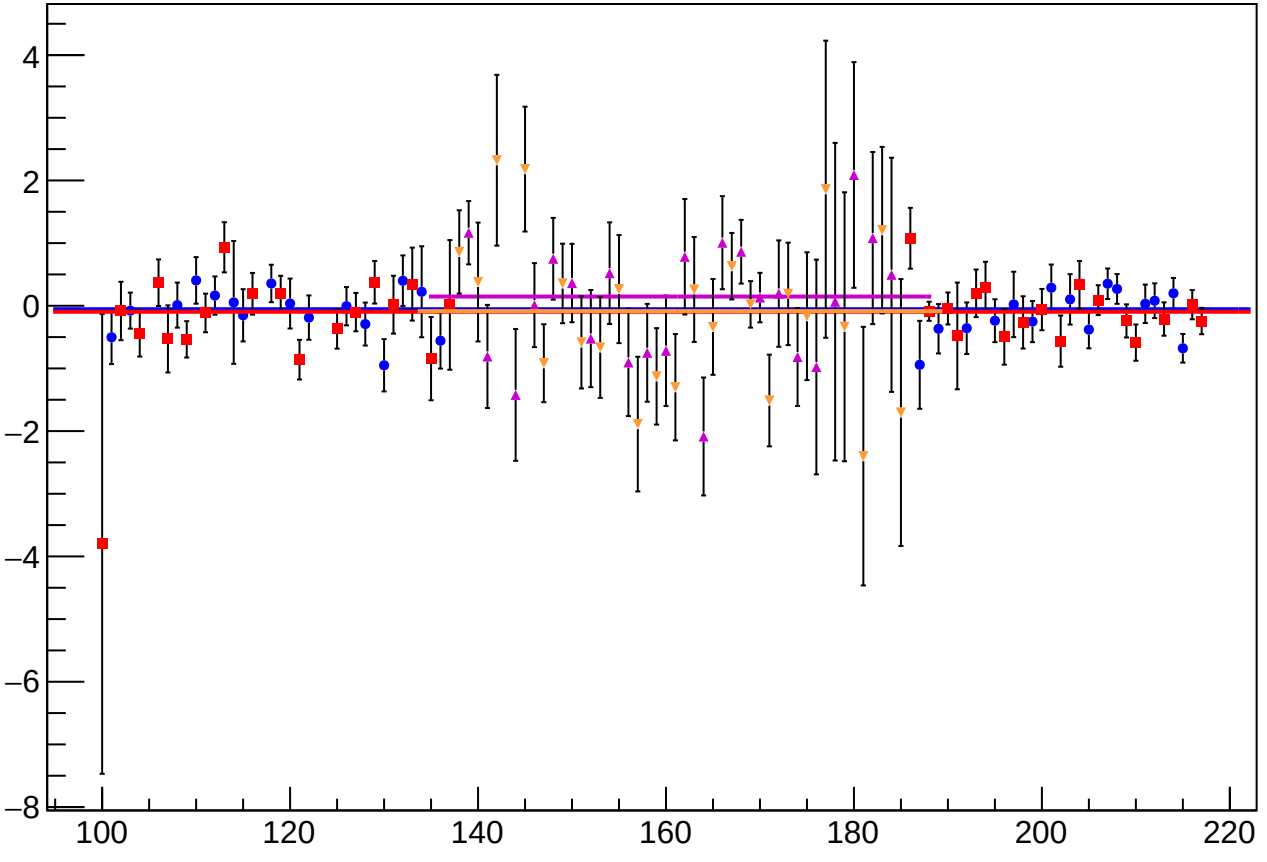
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17426453.4/55

All: 0.000+/-0.000 χ^2/NDF: 32955873.6/114

- sign 0.000+/-0.000 χ^2/NDF: 11248301.4/58

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

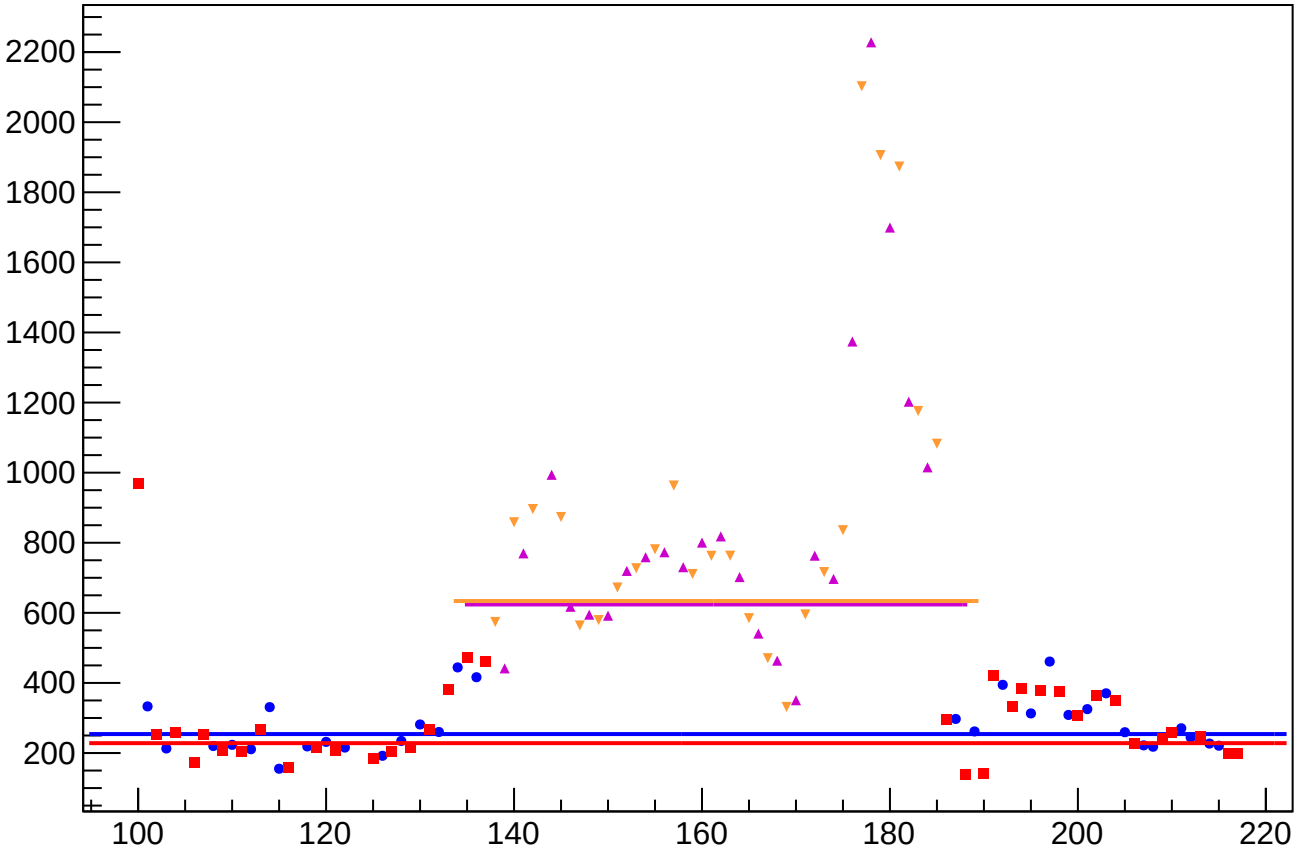
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.059+/-0.057 χ^2/NDF: 62.5/54

All: -0.065+/-0.038 χ^2/NDF: 132.3/112

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 254.090+/-0.043 χ^2/NDF: 1932803.3/30

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

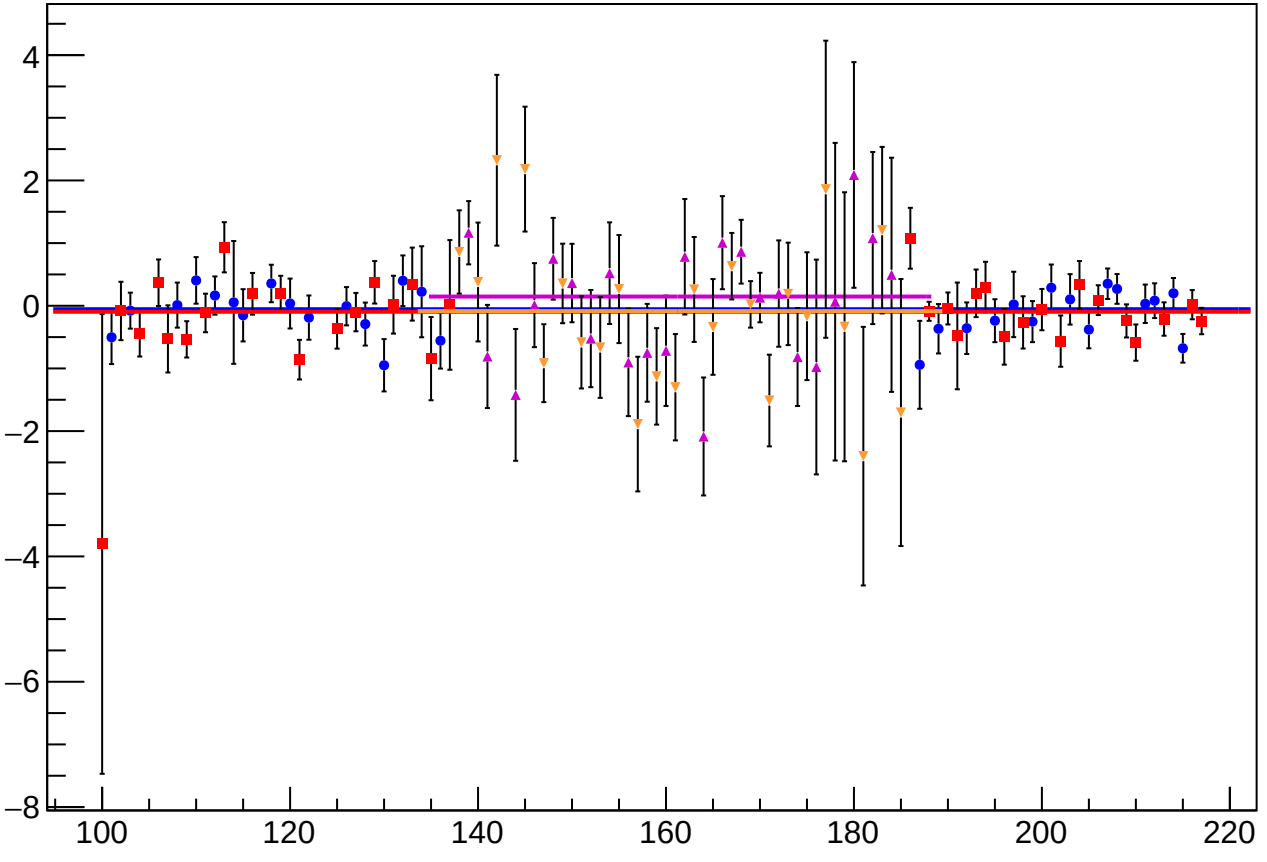
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 301.576+/-0.040 χ^2/NDF: 16601400.4/54

All: 284.581+/-0.027 χ^2/NDF: 36155140.4/11

- sign 270.593+/-0.037 χ^2/NDF: 19230718.8/57

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

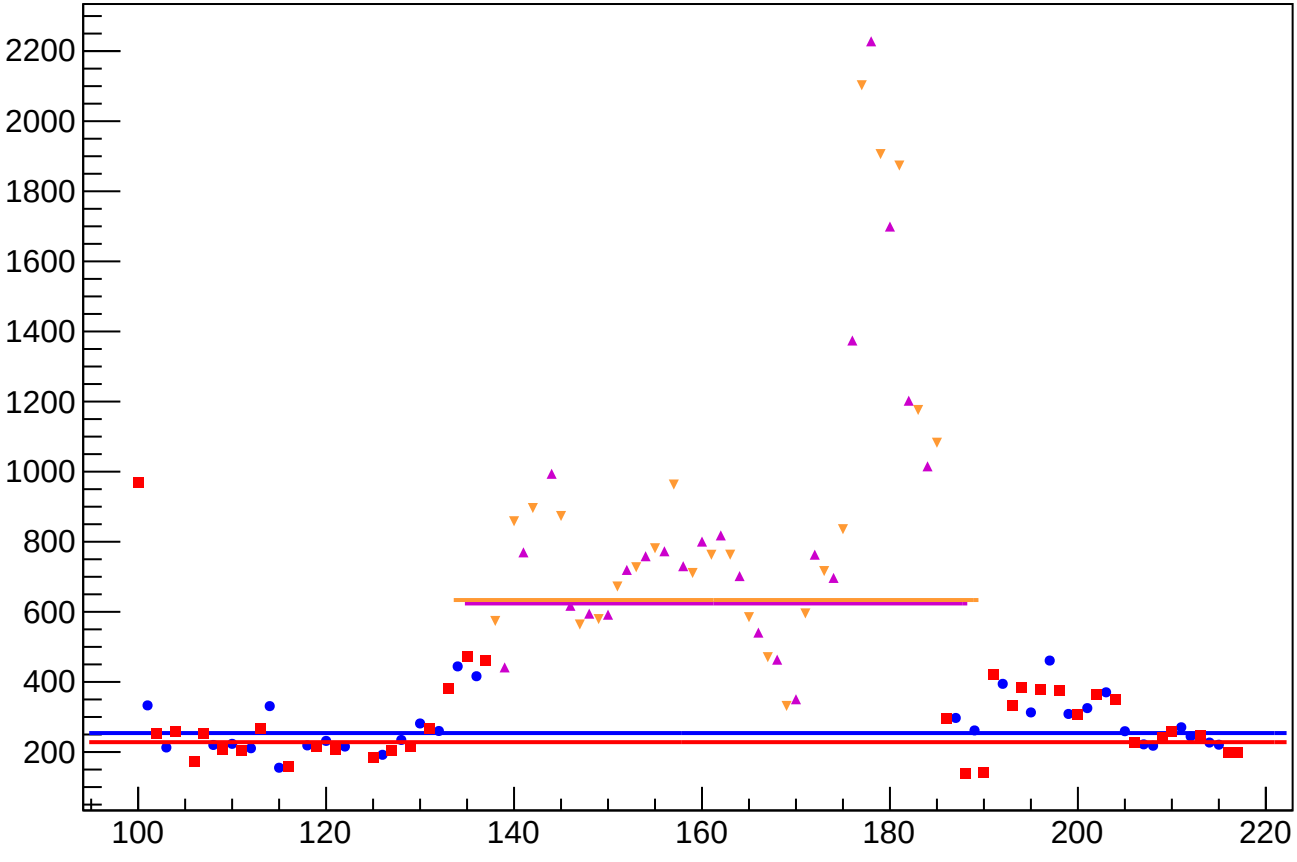
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.059+/-0.057 χ^2/NDF: 62.5/54

All: -0.065+/-0.038 χ^2/NDF: 132.3/112

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 254.090+/-0.043 χ^2/NDF: 1932803.3/30

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

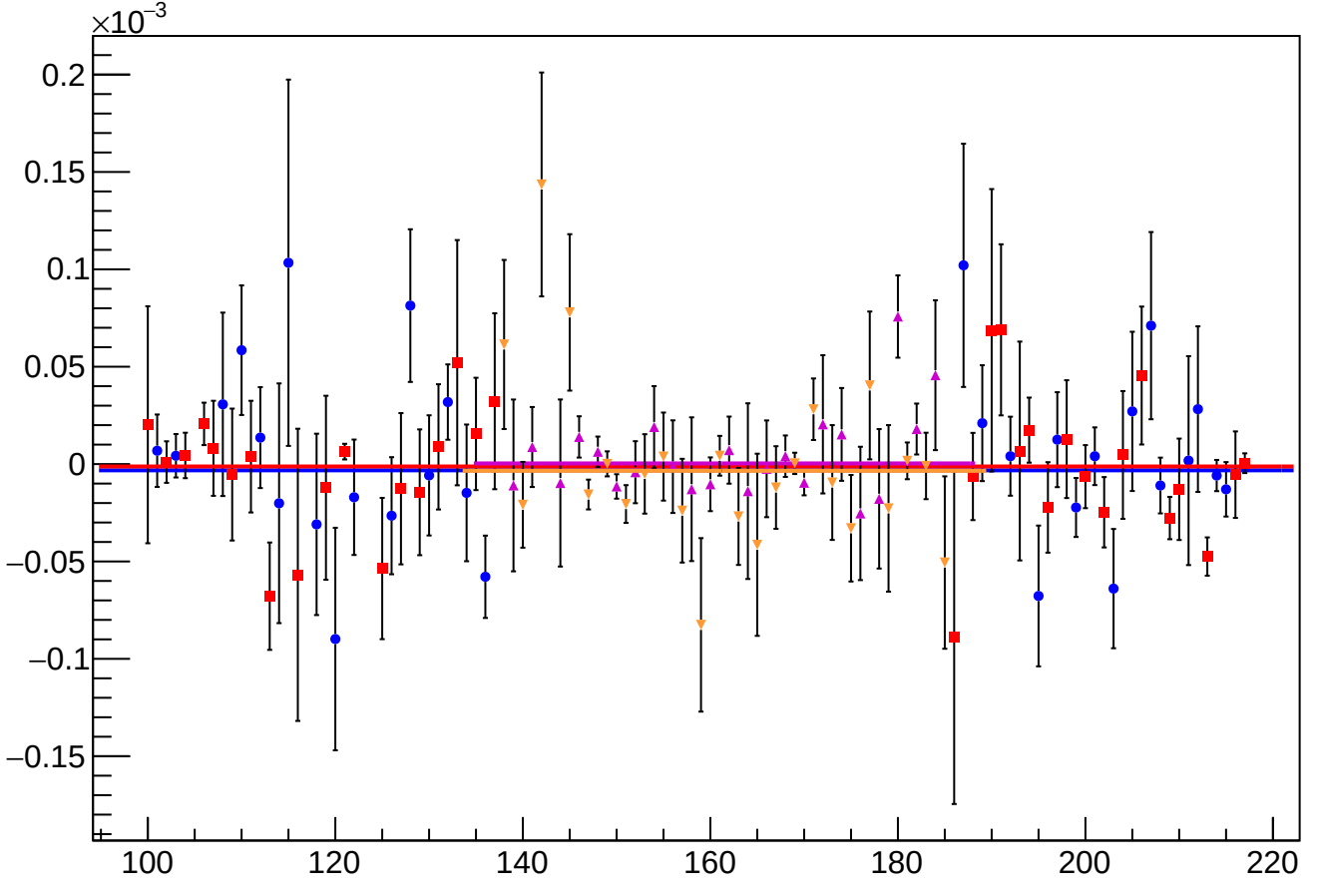
Right Out: 228.165+/-0.039 χ^2/NDF: 3516857.9/34

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 301.576+/-0.040 χ^2/NDF: 16601400.4/54

All: 284.581+/-0.027 χ^2/NDF: 36155140.4/11

- sign 270.593+/-0.037 χ^2/NDF: 19230718.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 42.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.6/34

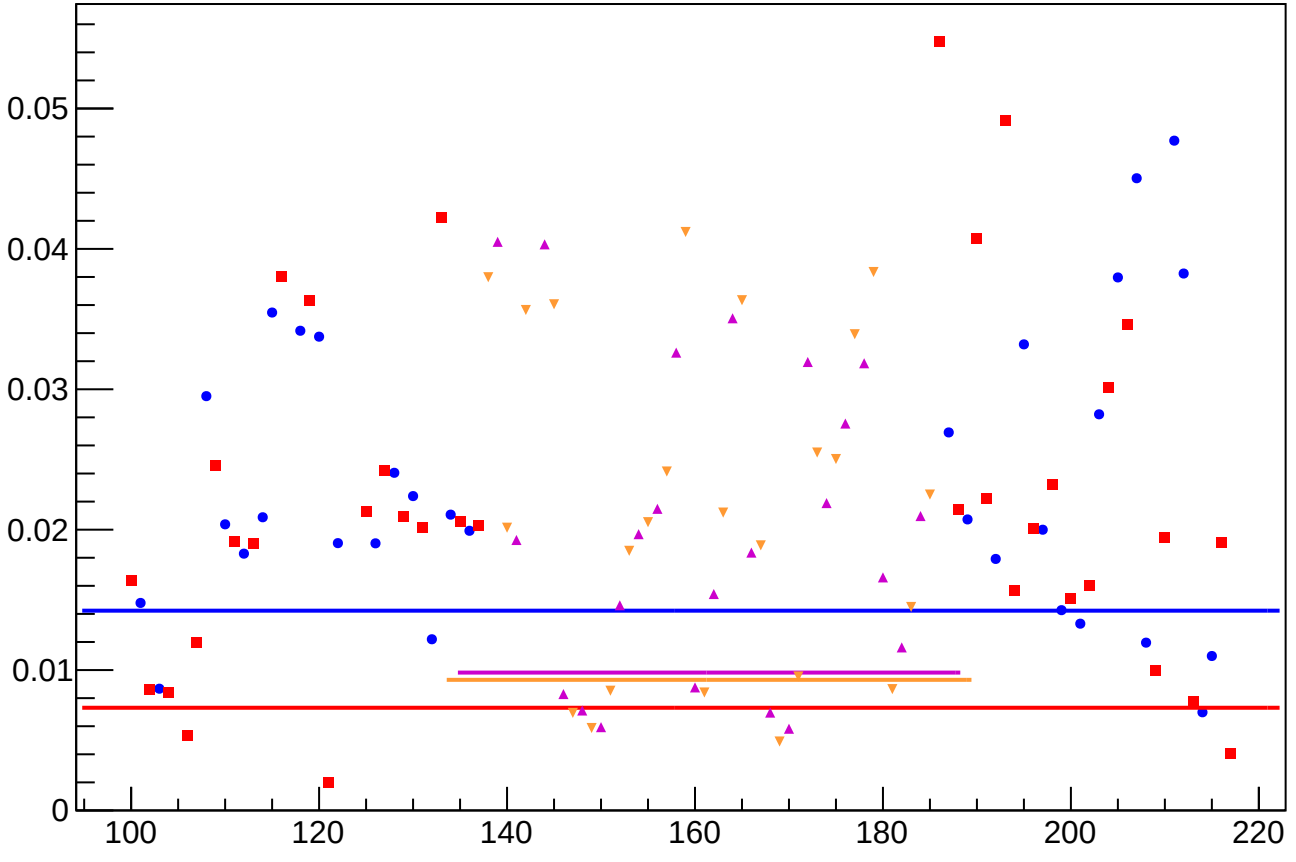
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.3/54

All: -0.000+/-0.000 χ^2/NDF: 162.9/112

- sign -0.000+/-0.000 χ^2/NDF: 85.7/57

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 8198866.0/30

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 18425239.9/34

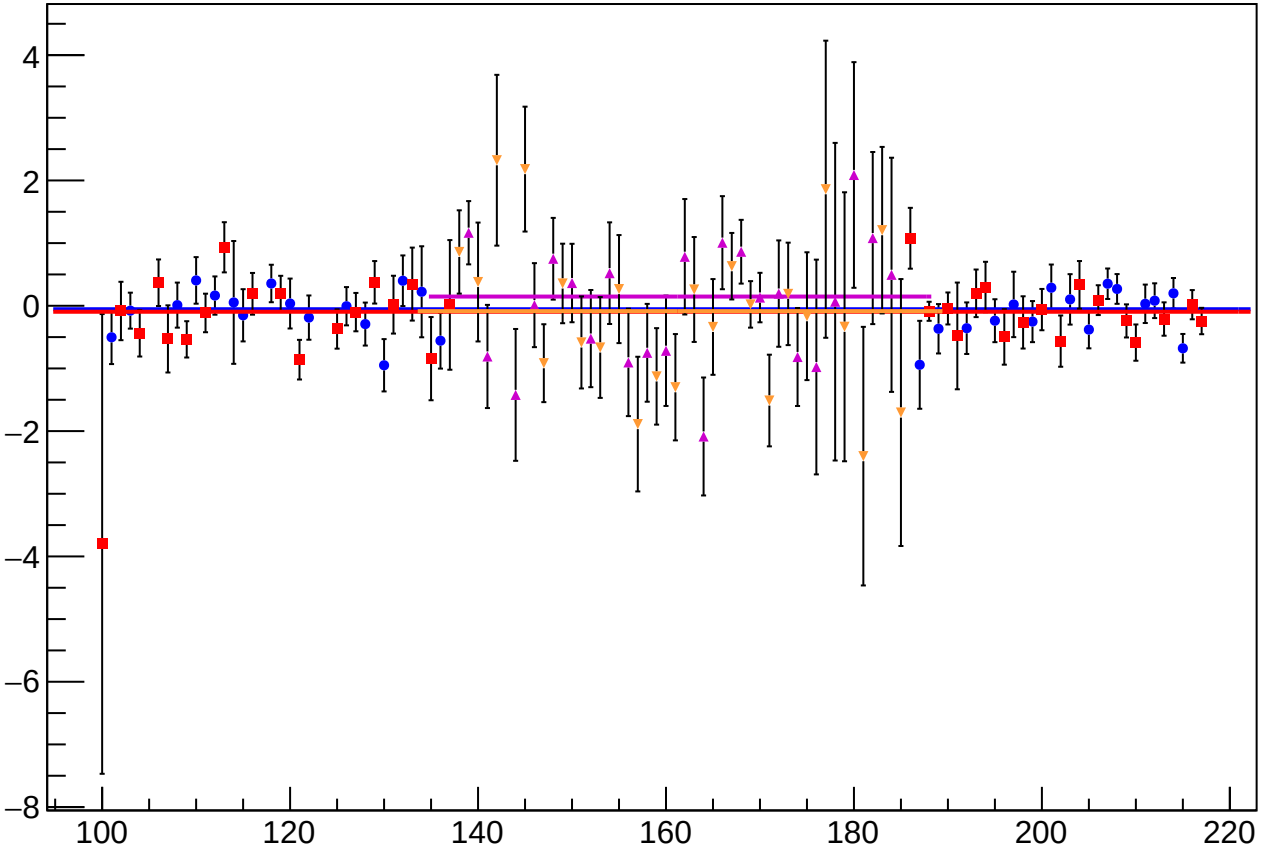
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 22608987.5/54

All: 0.009+/-0.000 χ^2/NDF: 53932400.9/112

- sign 0.008+/-0.000 χ^2/NDF: 29627641.9/57

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

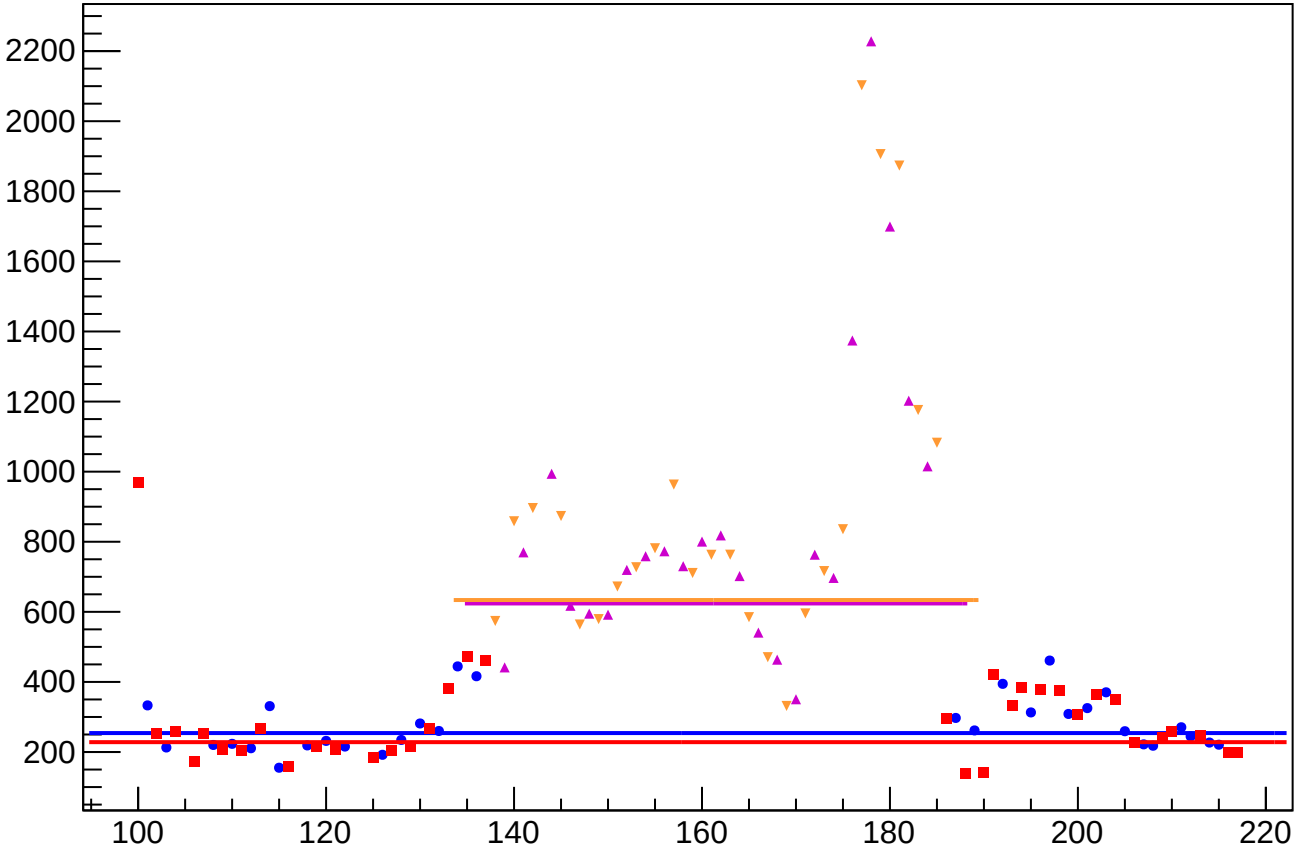
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.059+/-0.057 χ^2/NDF: 62.5/54

All: -0.065+/-0.038 χ^2/NDF: 132.3/112

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 254.091+/-0.043 χ^2/NDF: 1932802.1/30

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

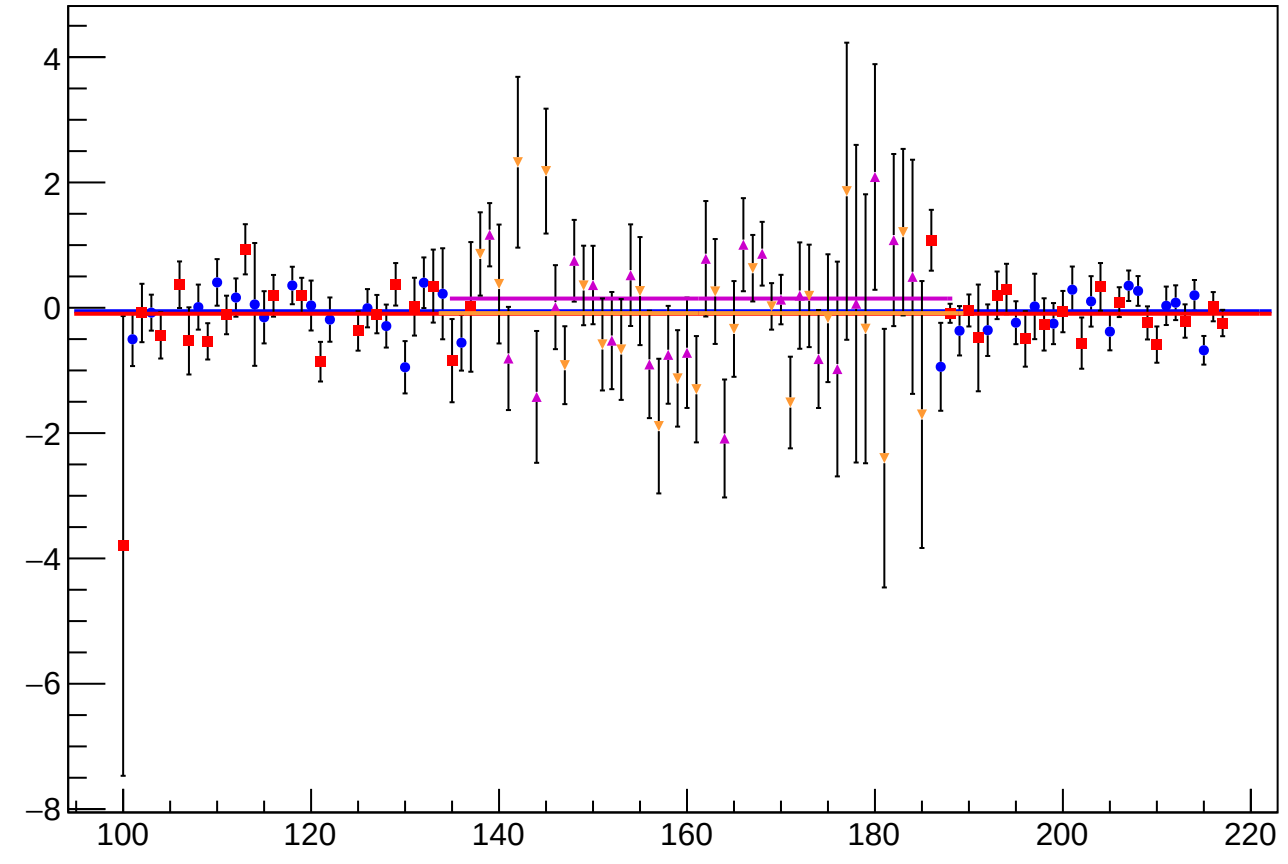
Right Out: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 301.576+/-0.040 χ^2/NDF: 16601511.3/54

All: 284.580+/-0.027 χ^2/NDF: 36155713.3/11

- sign 270.590+/-0.037 χ^2/NDF: 19231122.7/57



Right In: -0.055+/-0.061 χ^2/NDF: 32.2/30

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

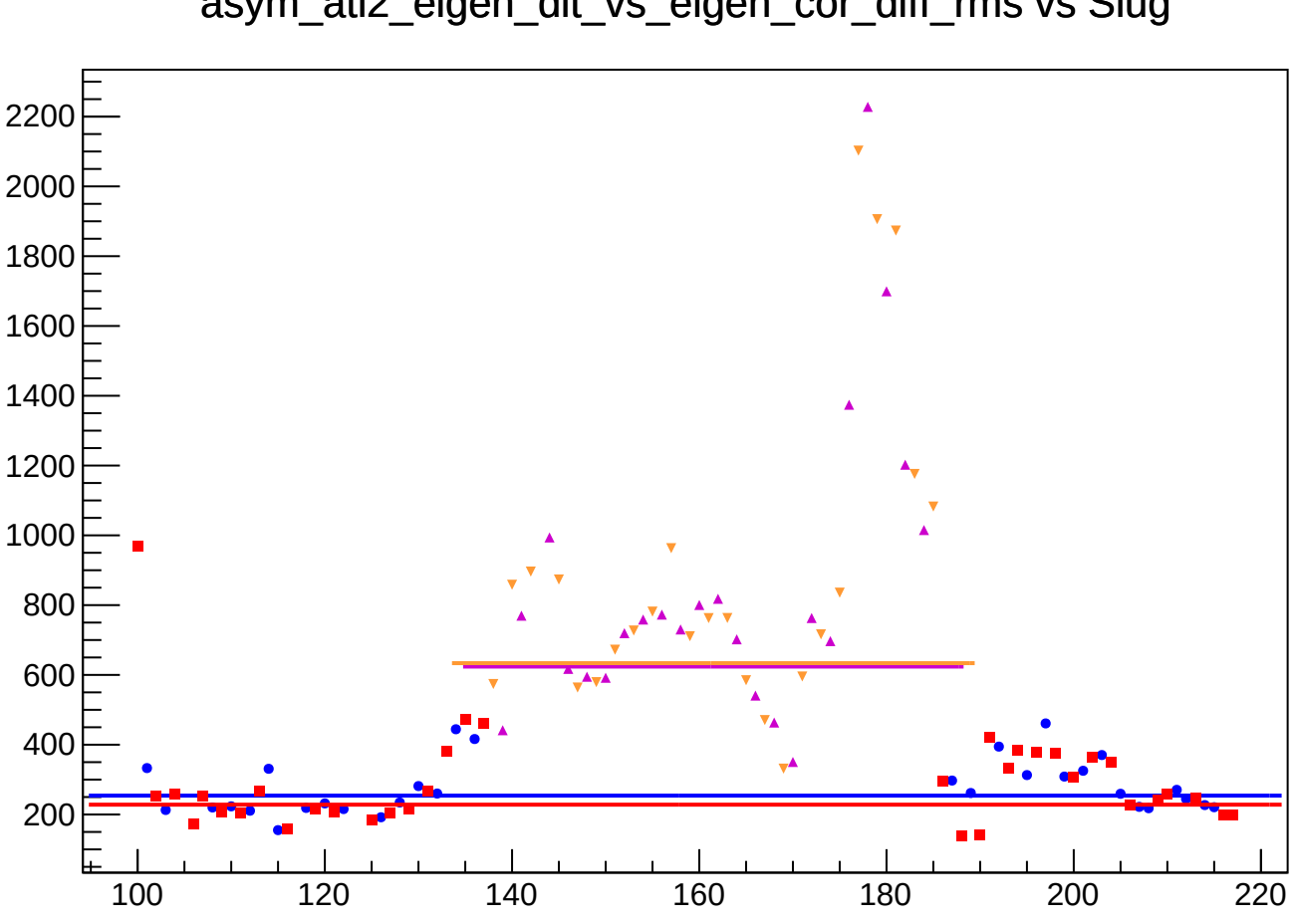
Right Out: -0.095+/-0.055 χ^2/NDF: 41.2/34

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.059+/-0.057 χ^2/NDF: 62.5/54

All: -0.065+/-0.038 χ^2/NDF: 132.3/112

- sign -0.069+/-0.052 χ^2/NDF: 69.8/57



Right In: 254.091+/-0.043 χ^2/NDF: 1932802.1/30

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 228.163+/-0.039 χ^2/NDF: 3516999.6/34

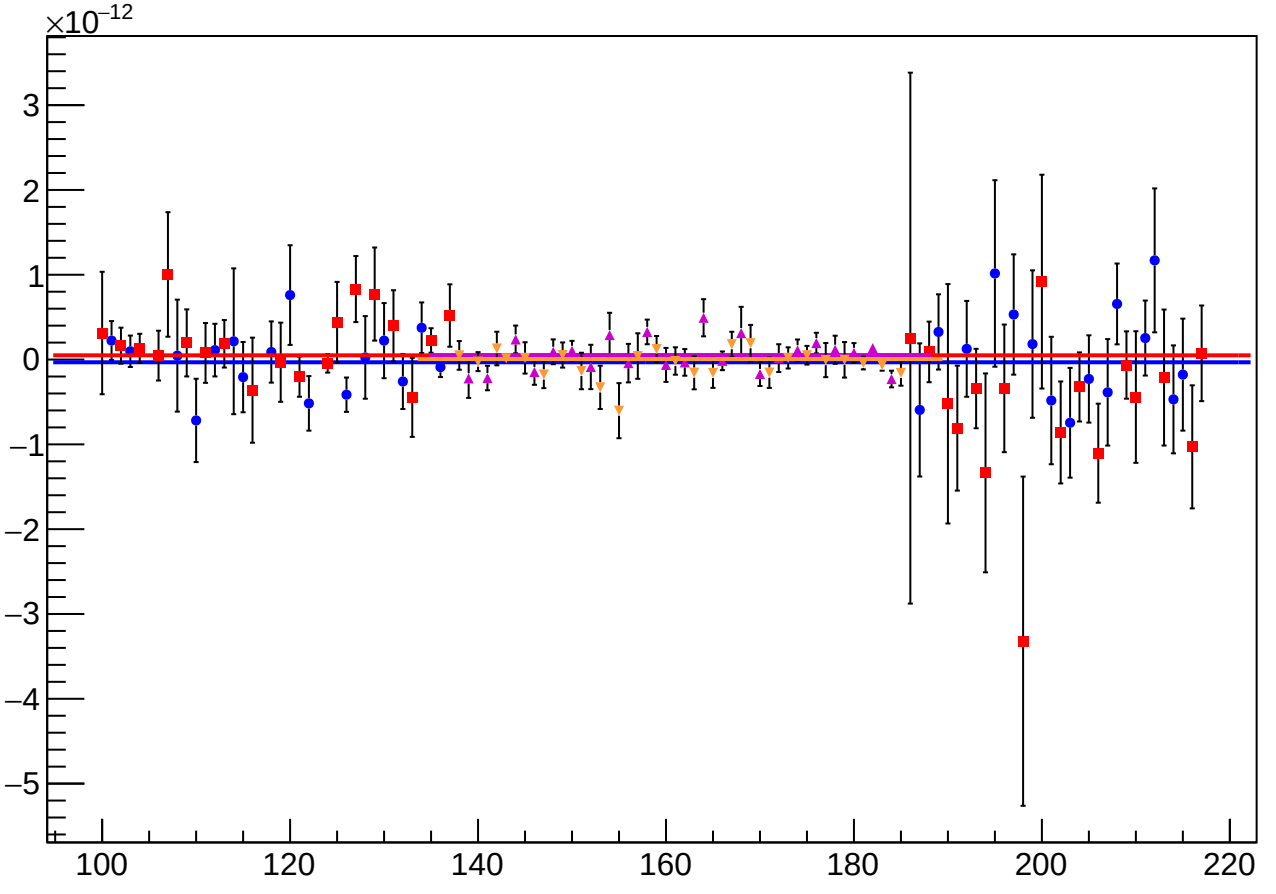
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 301.576+/-0.040 χ^2/NDF: 16601511.3/54

All: 284.580+/-0.027 χ^2/NDF: 36155713.3/11

- sign 270.590+/-0.037 χ^2/NDF: 19231122.7/57

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

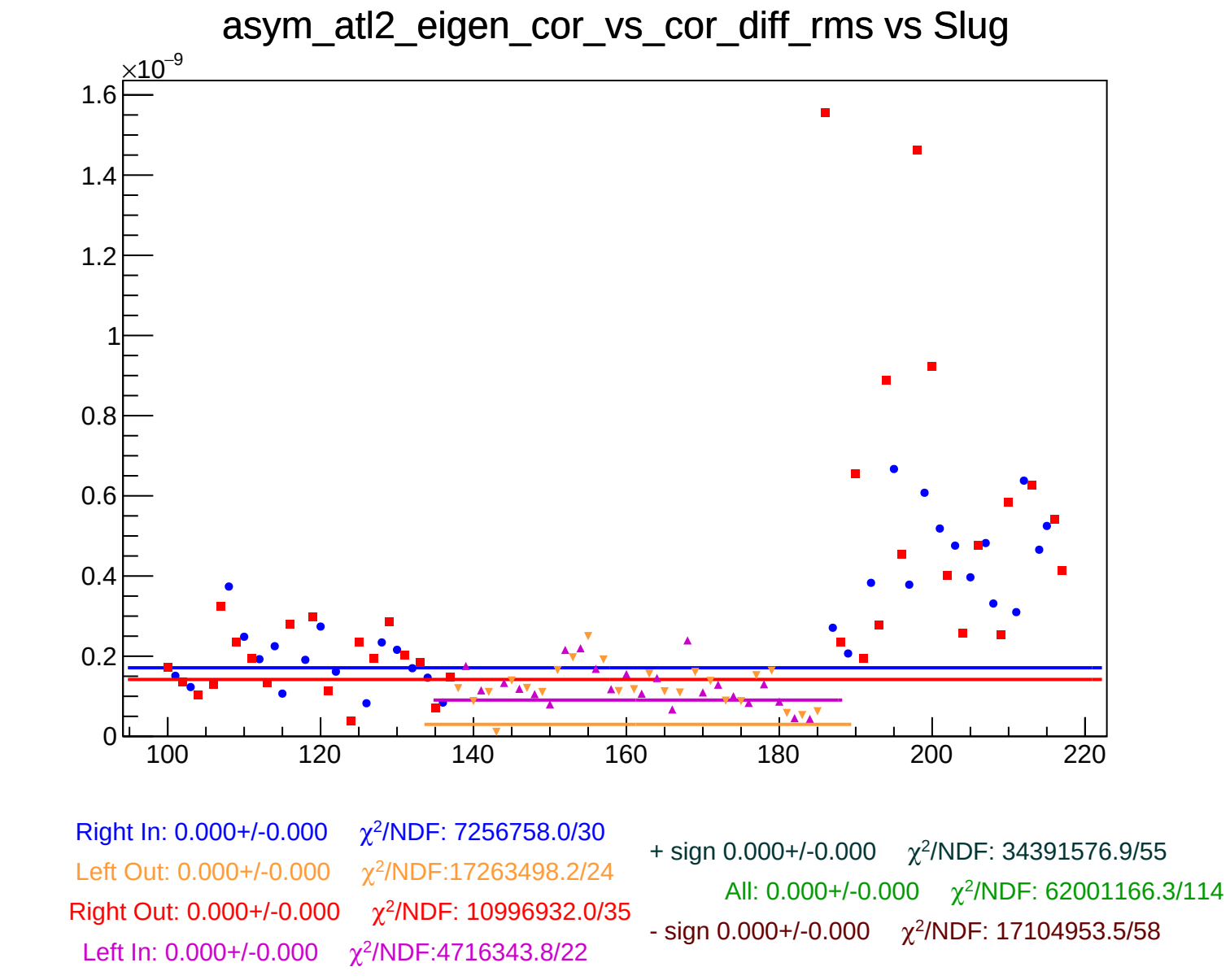
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/35

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

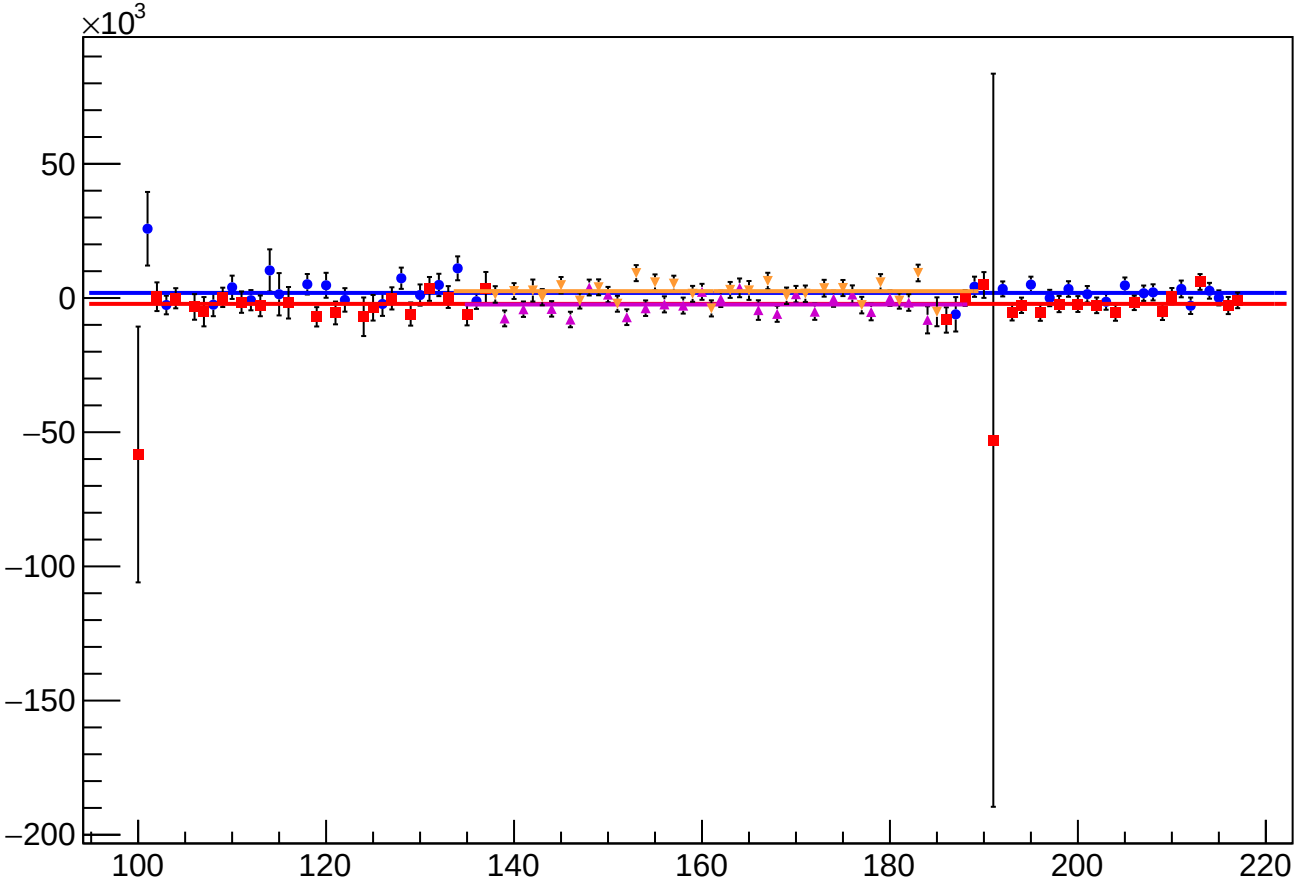
+ sign 0.000+/-0.000 χ^2/NDF: 40.9/55

All: 0.000+/-0.000 χ^2/NDF: 110.8/114

- sign 0.000+/-0.000 χ^2/NDF: 67.0/58


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7256758.0/30
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 10996932.0/35
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 34391576.9/55
All: 0.000+/-0.000 χ²/NDF: 62001166.3/114
- sign 0.000+/-0.000 χ²/NDF: 17104953.5/58

reg_asym_atr1_mean vs Slug



Right In: 1908.692+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2182.762+/-619.255 χ^2/NDF: 28.5/35

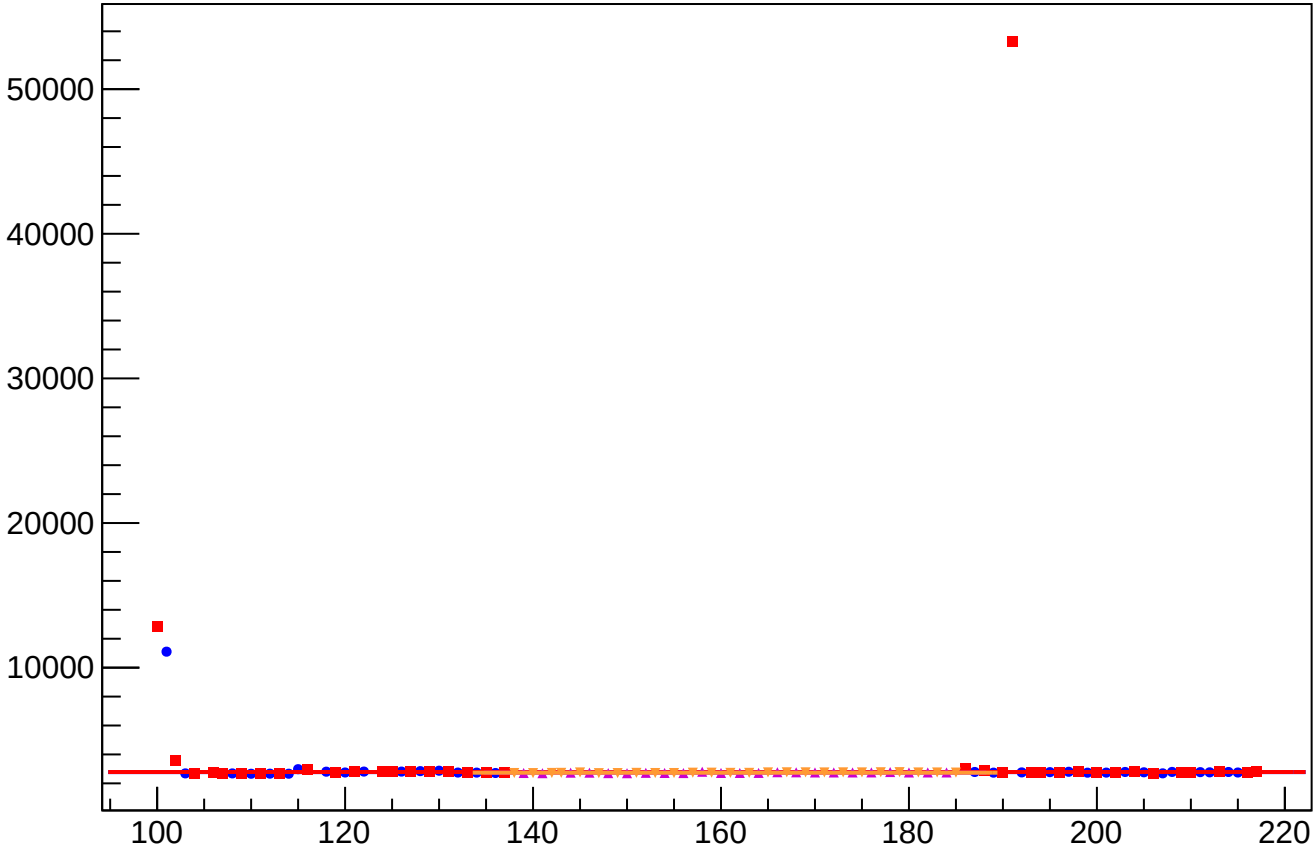
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2241.283+/-445.445 χ^2/NDF: 59.2/55

All: -27.862+/-314.799 χ^2/NDF: 171.0/114

- sign -2291.874+/-444.941 χ^2/NDF: 59.9/58

reg_asym_atr1_rms vs Slug



Right In: 2777.540+/-0.451 χ^2/NDF: 750728.6/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.462+/-0.438 χ^2/NDF: 481906.7/35

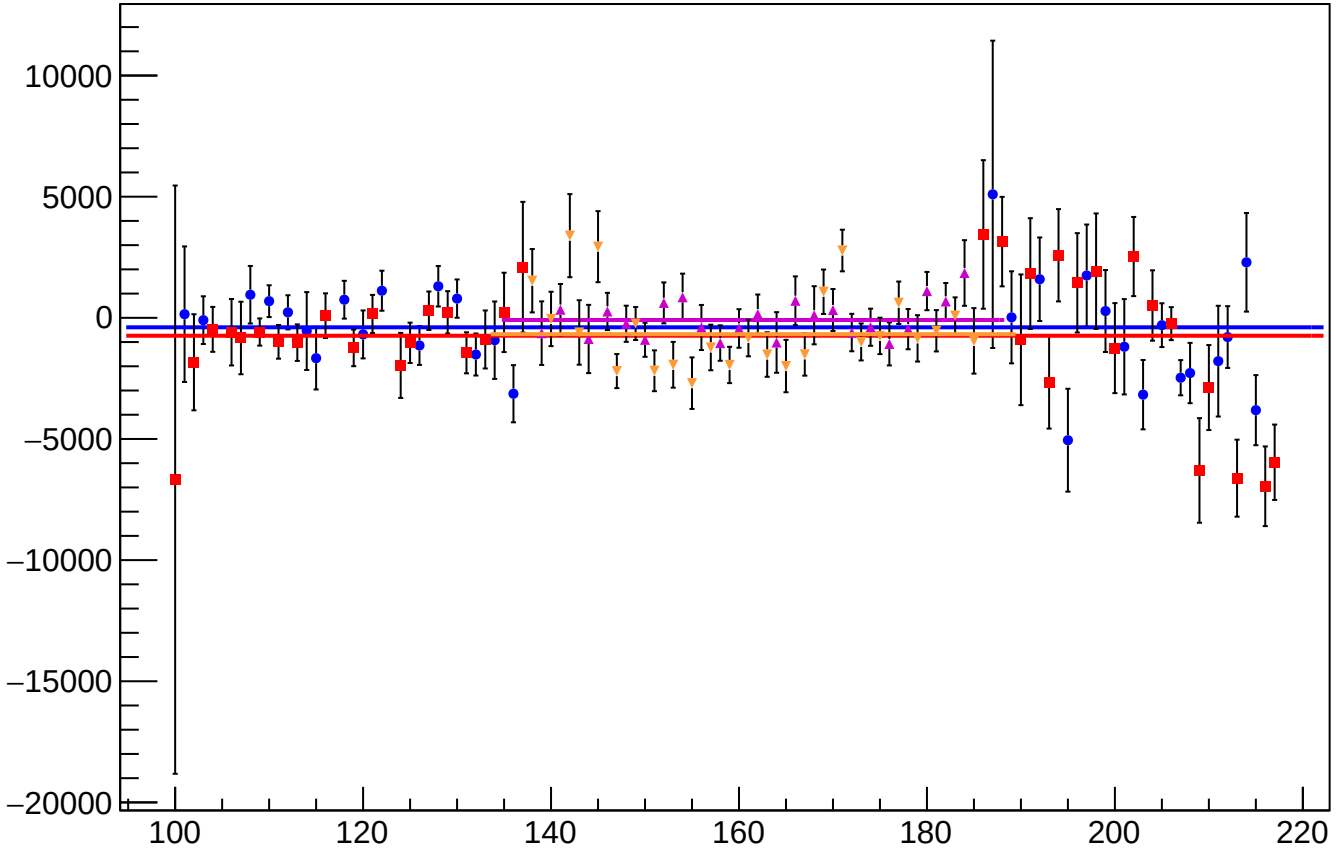
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.003+/-0.315 χ^2/NDF: 757079.3/55

All: 2759.949+/-0.223 χ^2/NDF: 1247541.1/11

- sign 2762.888+/-0.315 χ^2/NDF: 490287.0/58

asym_atr1_reg_correction_mean vs Slug



Right In: -391.012+/-196.807 χ^2/NDF: 56.2/30

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -739.480+/-188.470 χ^2/NDF: 76.3/35

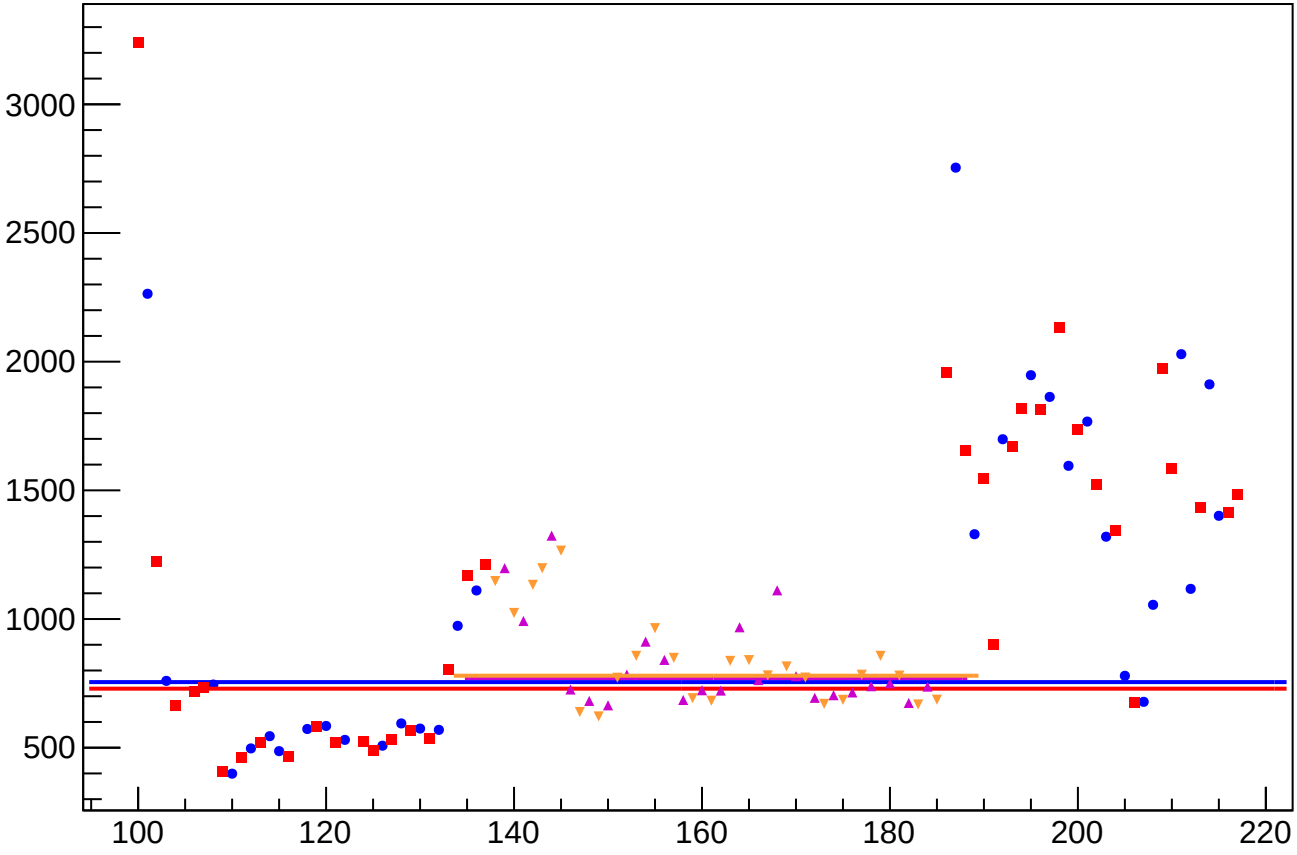
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -543.980+/-133.316 χ^2/NDF: 115.7/55

All: -473.928+/-93.610 χ^2/NDF: 213.4/114

- sign -405.801+/-131.473 χ^2/NDF: 97.2/58

asym_atr1_reg_correction_rms vs Slug



Right In: 754.912+/-0.139 χ^2/NDF: 8023863.8/30

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 729.387+/-0.133 χ^2/NDF: 9616638.7/35

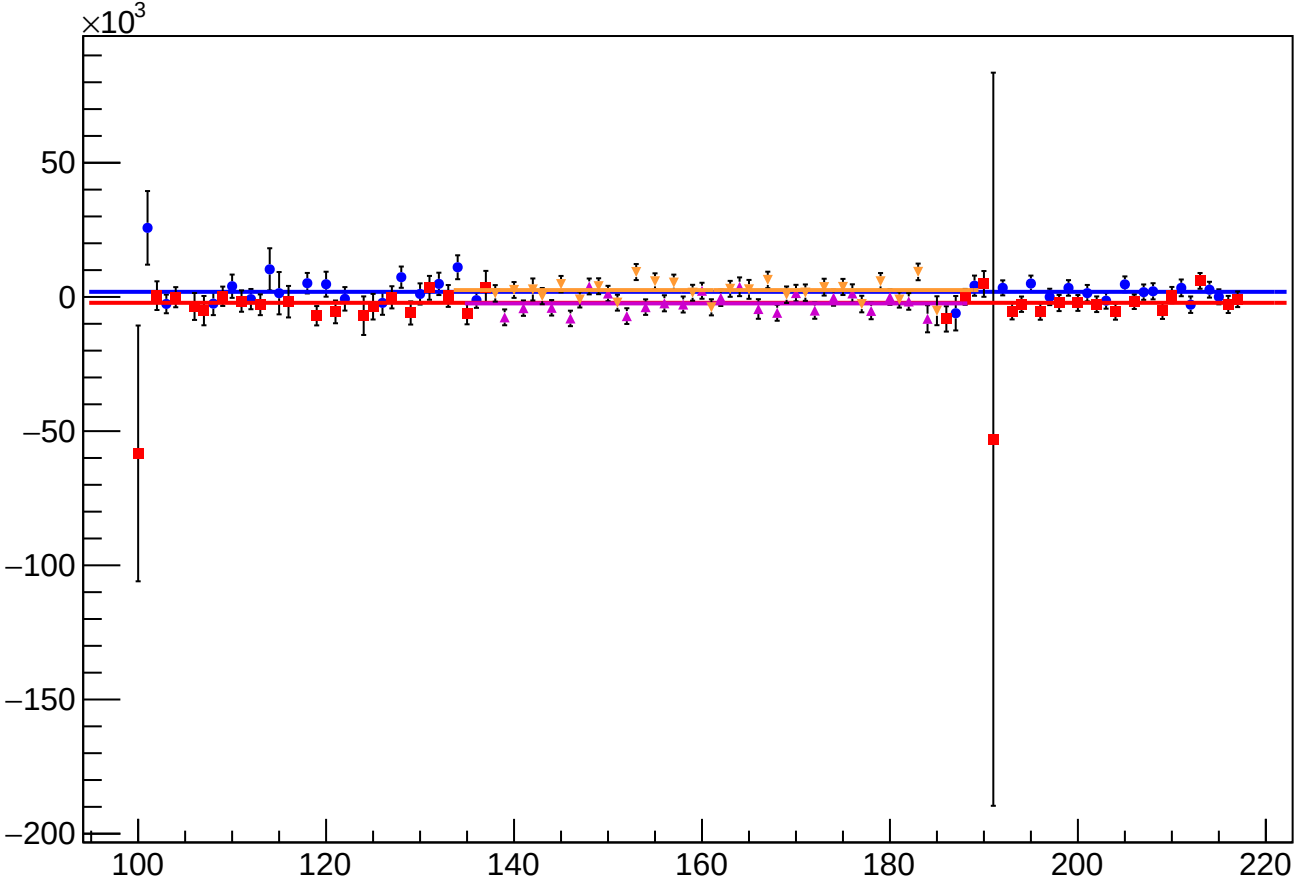
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 768.334+/-0.094 χ^2/NDF: 9284797.3/55

All: 759.366+/-0.066 χ^2/NDF: 20045200.8/11

- sign 750.645+/-0.093 χ^2/NDF: 10742554.8/58

cor_asym_atr1_mean vs Slug



Right In: 1908.381+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2184.519+/-619.764 χ^2/NDF: 28.5/35

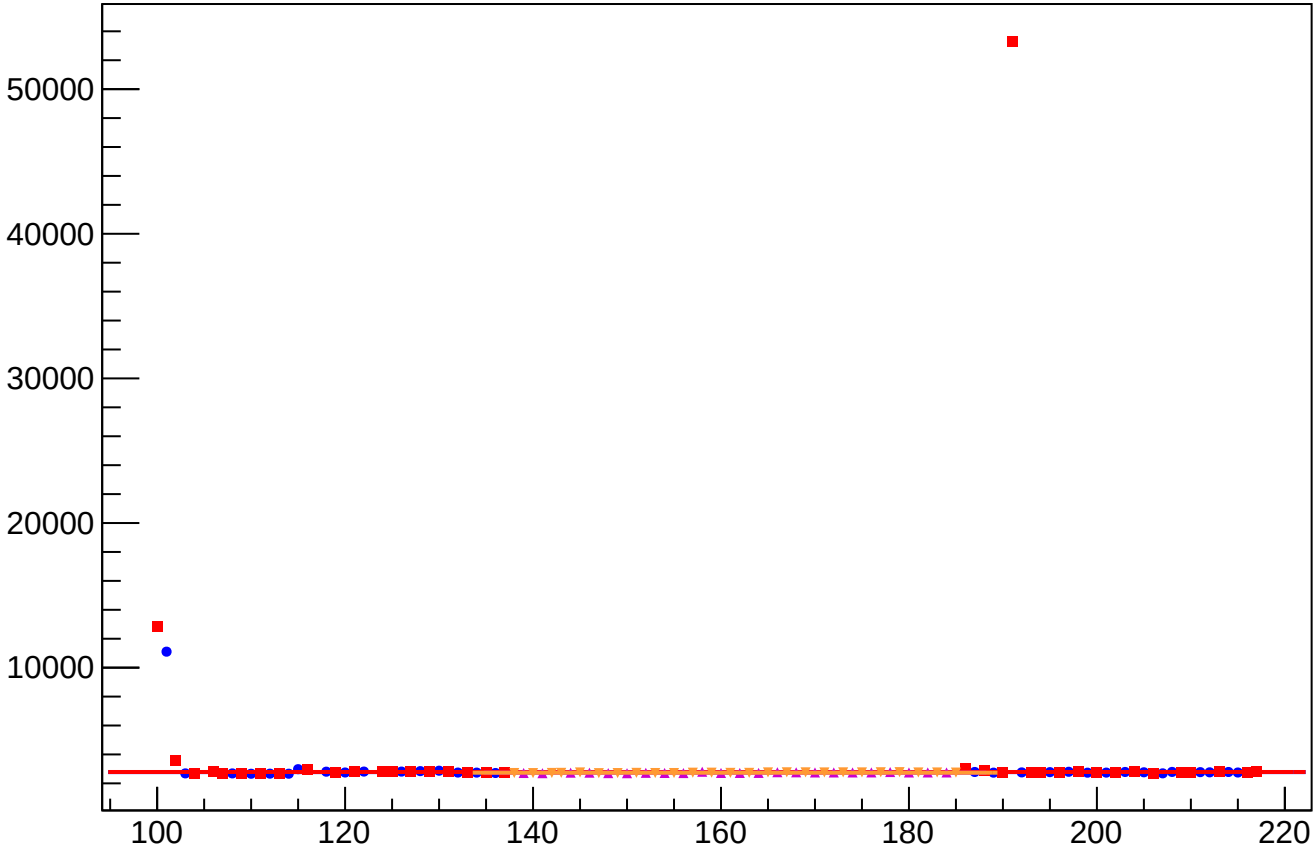
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2241.111+/-445.445 χ^2/NDF: 59.2/55

All: -27.521+/-314.866 χ^2/NDF: 171.0/114

- sign -2292.942+/-445.129 χ^2/NDF: 59.9/58

cor_asym_atr1_rms vs Slug



Right In: 2777.540+/-0.451 χ^2/NDF: 750727.7/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

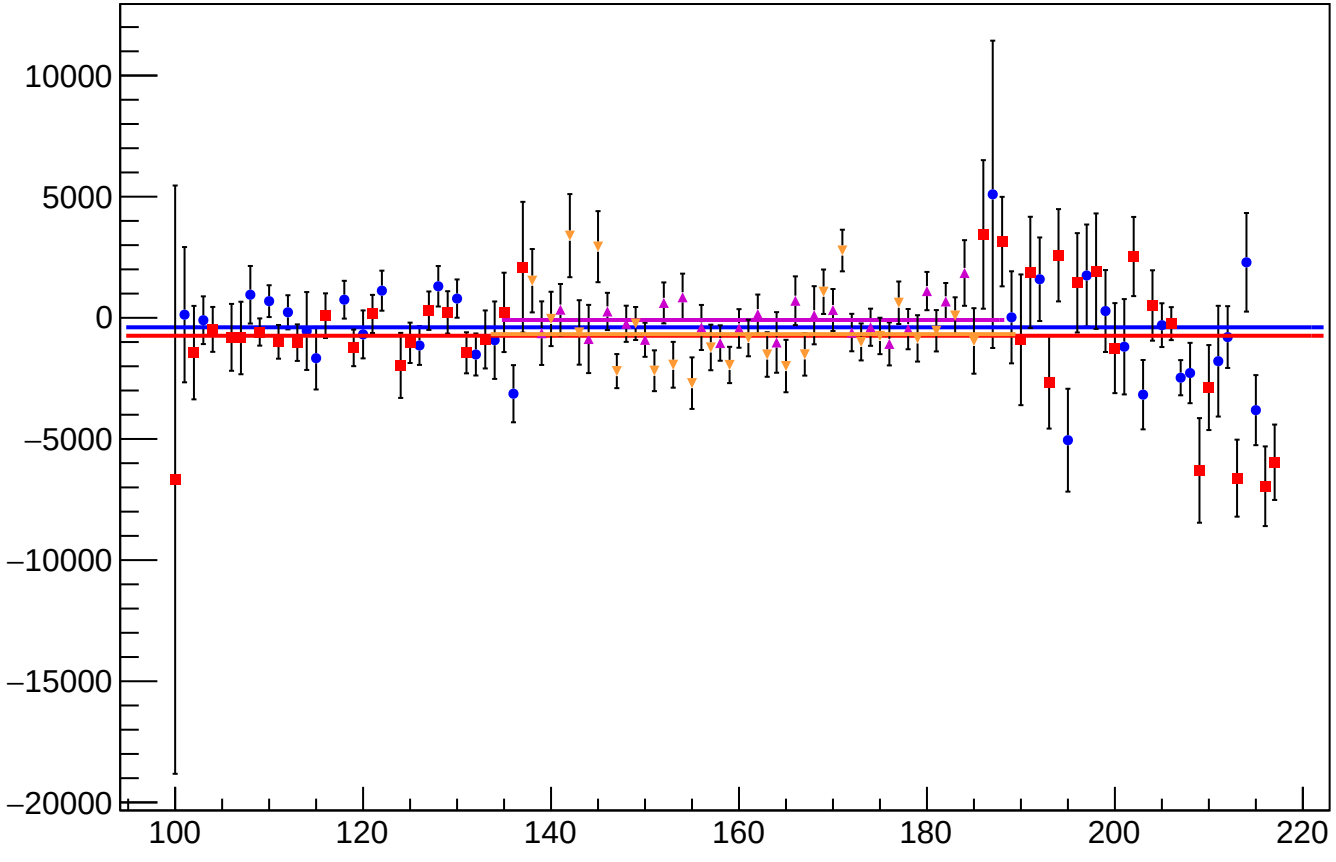
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.003+/-0.315 χ^2/NDF: 757078.4/55

All: 2760.428+/-0.223 χ^2/NDF: 1247899.5/11

- sign 2763.847+/-0.315 χ^2/NDF: 490584.8/58

asym_atr1_cor_correction_mean vs Slug



Right In: -390.994+/-196.800 χ^2/NDF: 56.2/30

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -740.130+/-188.445 χ^2/NDF: 76.1/35

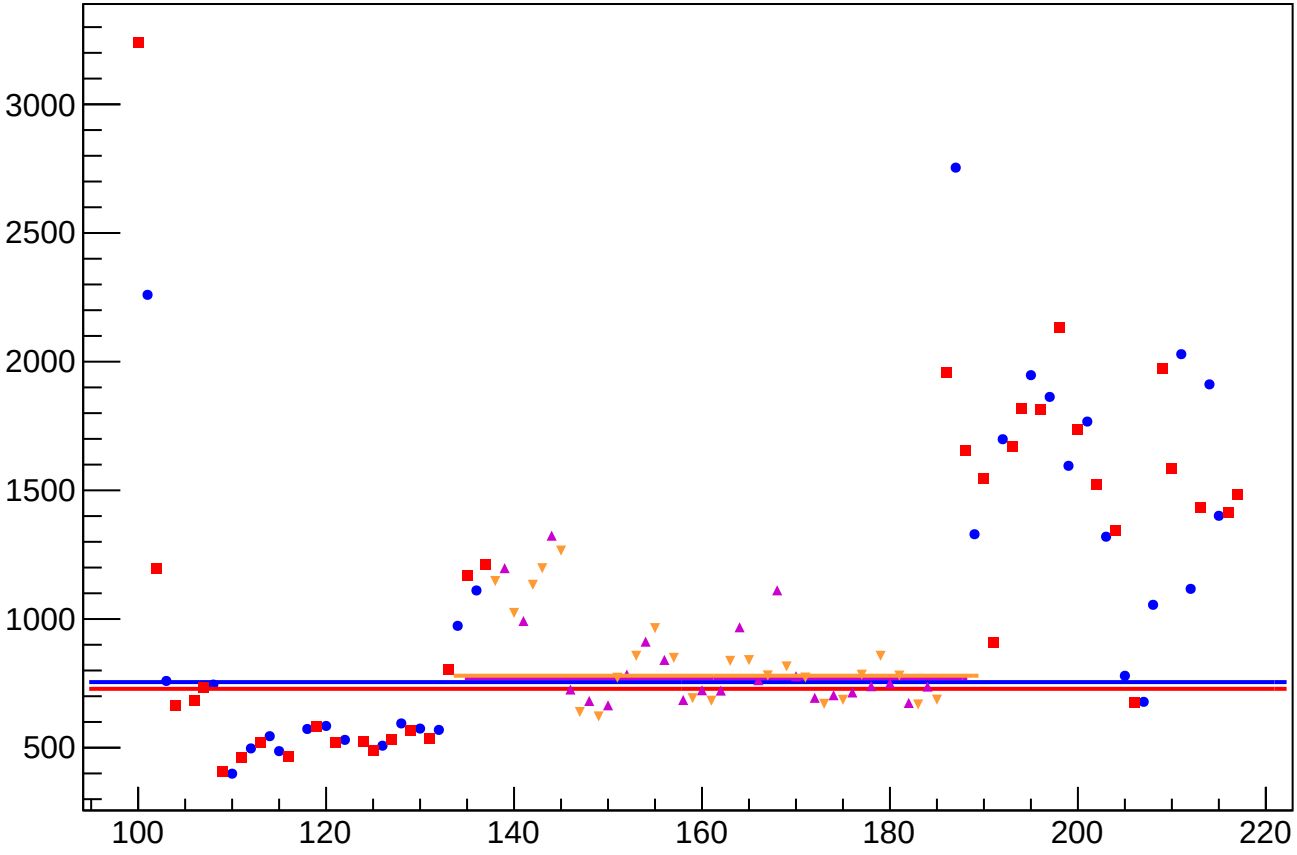
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -543.921+/-133.314 χ^2/NDF: 115.7/55

All: -474.112+/-93.607 χ^2/NDF: 213.3/114

- sign -406.227+/-131.465 χ^2/NDF: 97.0/58

asym_atr1_cor_correction_rms vs Slug



Right In: 754.898+/-0.139 χ^2/NDF: 8023042.1/30

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

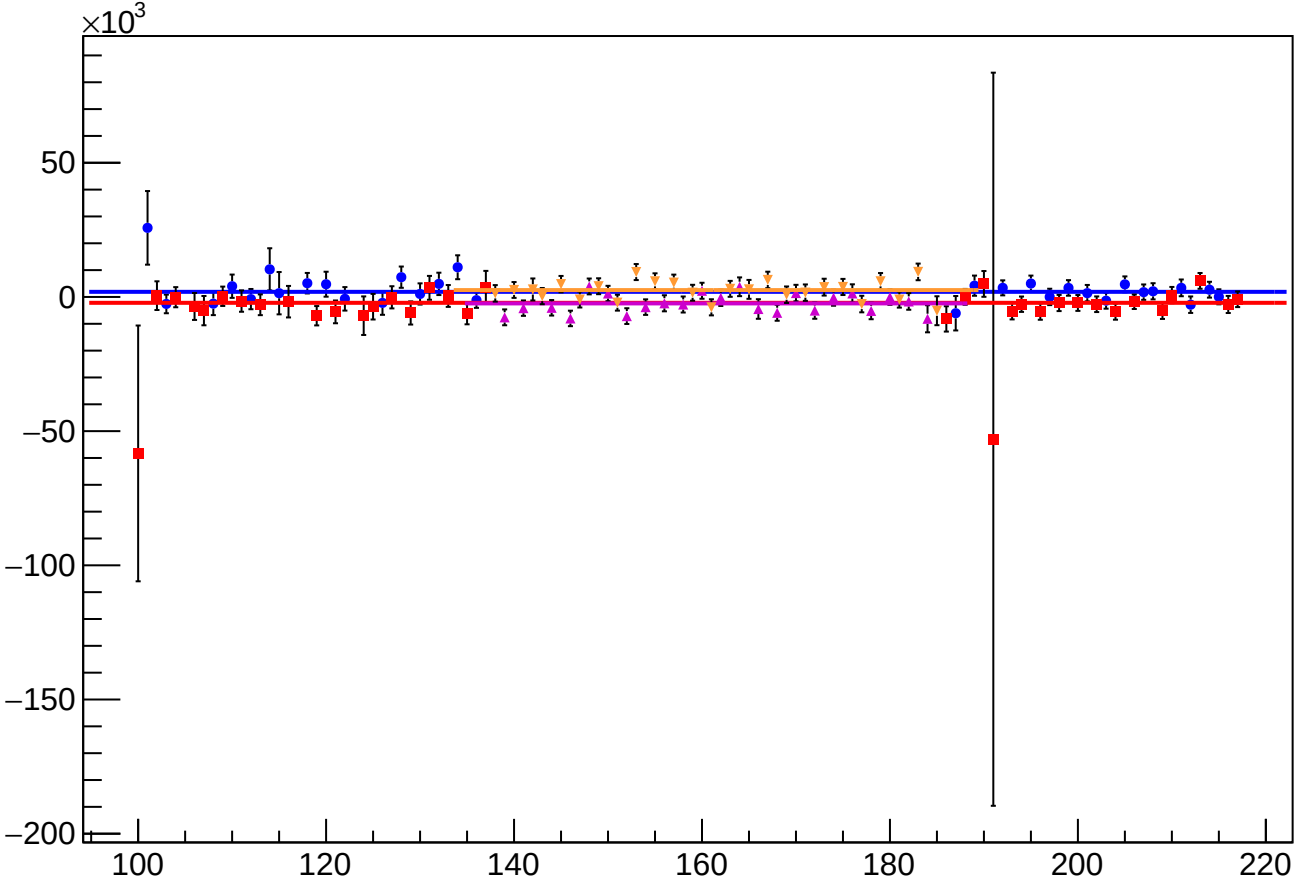
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 768.326+/-0.094 χ^2/NDF: 9284018.0/55

All: 759.217+/-0.066 χ^2/NDF: 20043779.2/11

- sign 750.359+/-0.093 χ^2/NDF: 10741343.8/58

eigen_cor_asym_atr1_mean vs Slug



Right In: 1908.381+/-638.406 χ^2/NDF: 27.1/30

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2184.519+/-619.764 χ^2/NDF: 28.5/35

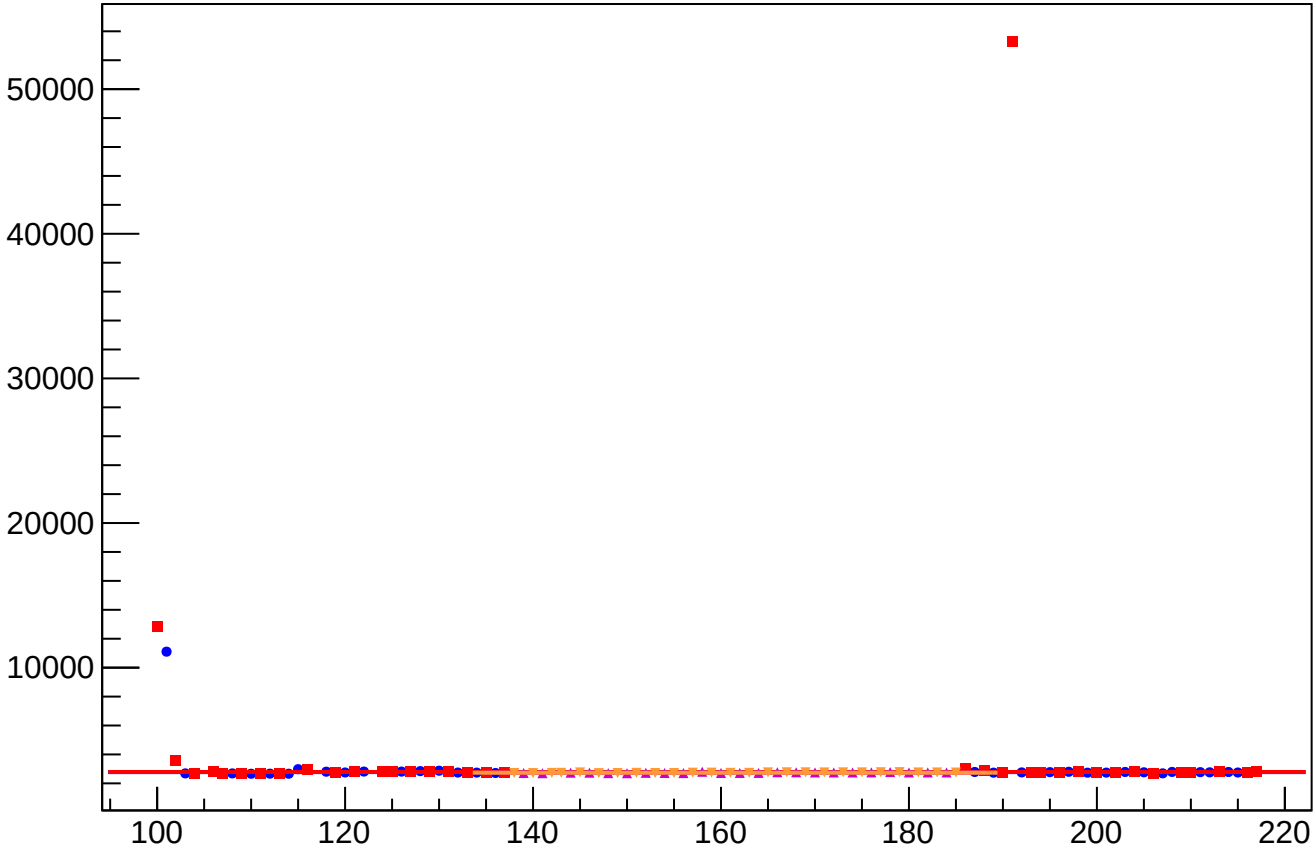
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2241.111+/-445.445 χ^2/NDF: 59.2/55

All: -27.521+/-314.866 χ^2/NDF: 171.0/114

- sign -2292.942+/-445.129 χ^2/NDF: 59.9/58

eigen_cor_asym_atr1_rms vs Slug



Right In: 2777.540+/-0.451 χ^2/NDF: 750727.7/30

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.358+/-0.438 χ^2/NDF: 481773.0/35

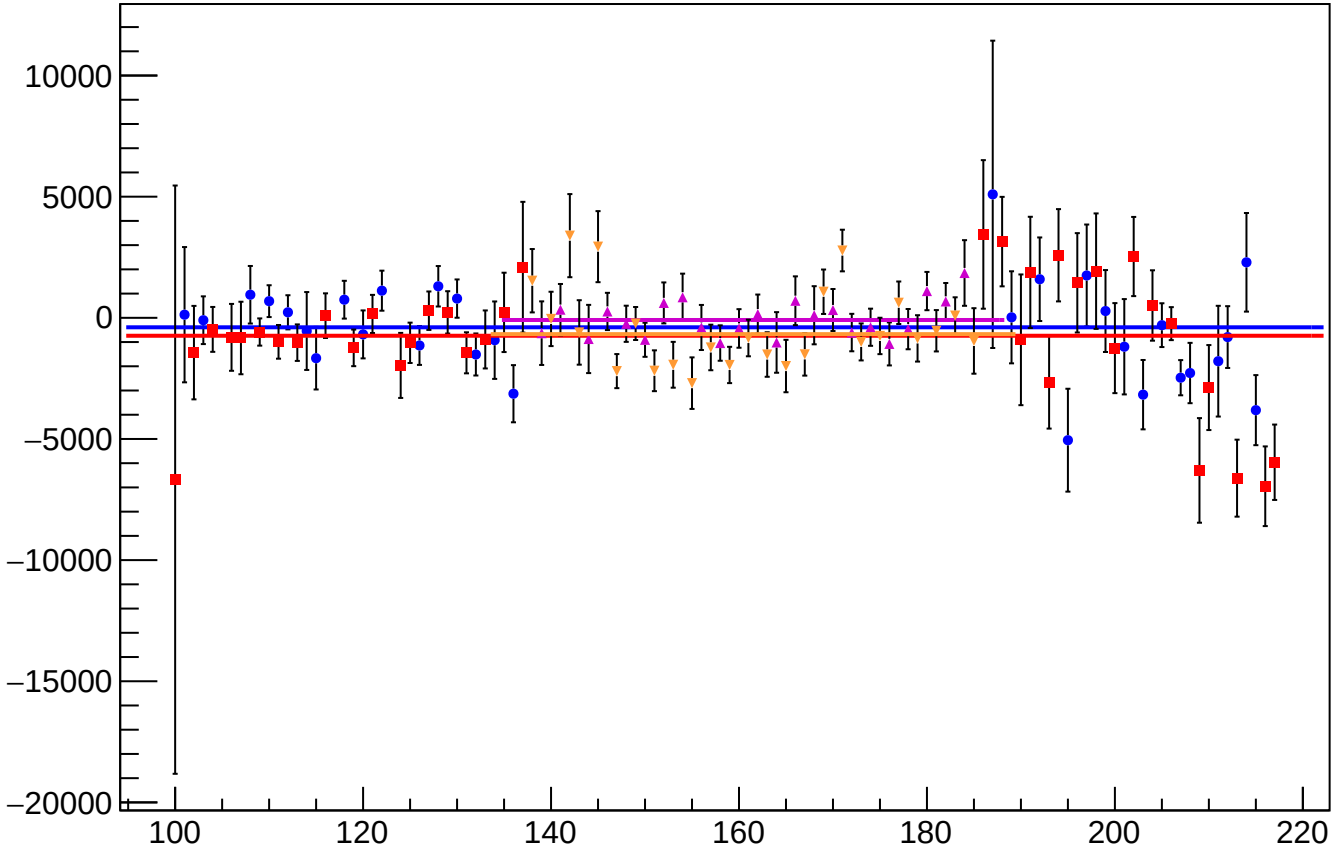
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.003+/-0.315 χ^2/NDF: 757078.4/55

All: 2760.428+/-0.223 χ^2/NDF: 1247899.5/11

- sign 2763.847+/-0.315 χ^2/NDF: 490584.8/58

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -390.994+/-196.800 χ^2/NDF: 56.2/30

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -740.130+/-188.445 χ^2/NDF: 76.1/35

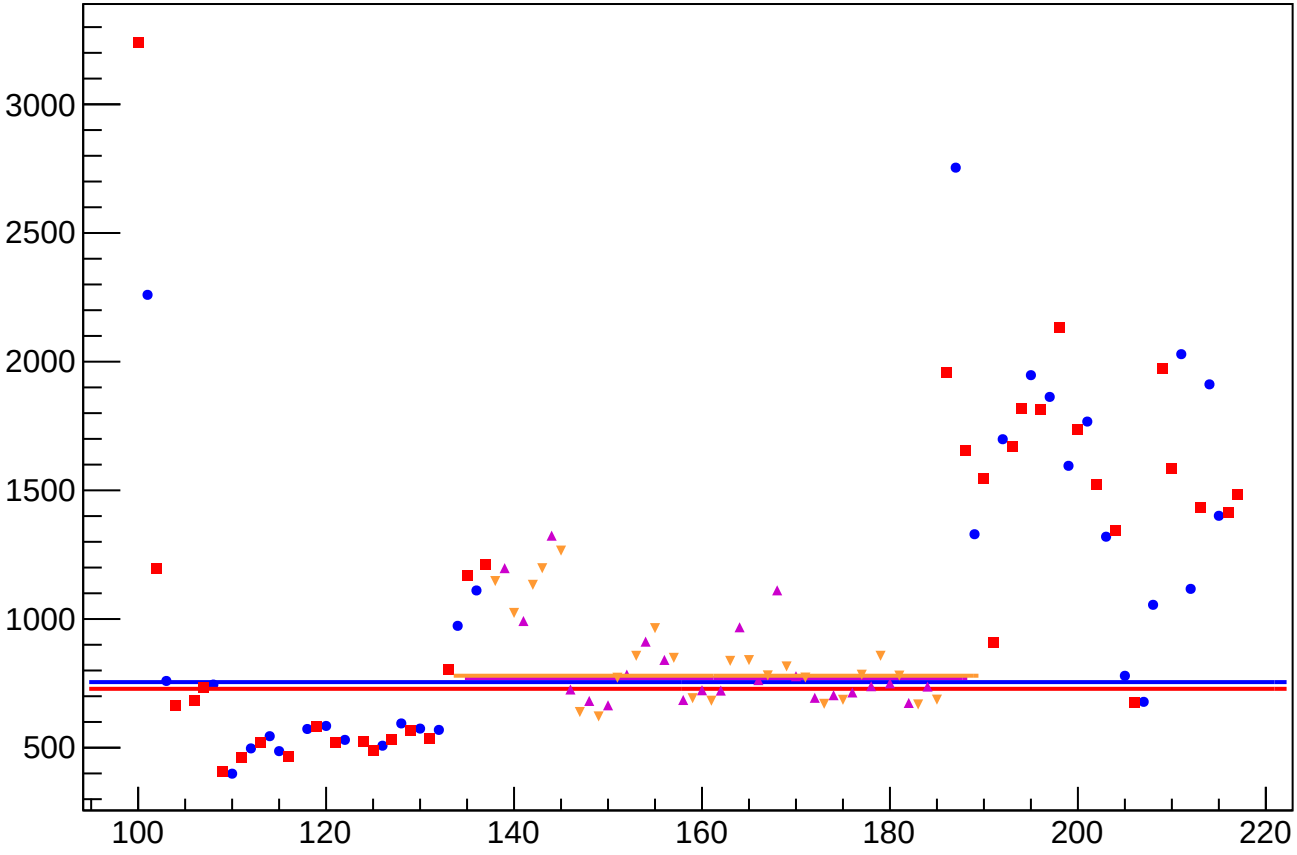
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -543.921+/-133.314 χ^2/NDF: 115.7/55

All: -474.112+/-93.607 χ^2/NDF: 213.3/114

- sign -406.227+/-131.465 χ^2/NDF: 97.0/58

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 754.898+/-0.139 χ^2/NDF: 8023042.1/30

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 728.801+/-0.133 χ^2/NDF: 9614061.0/35

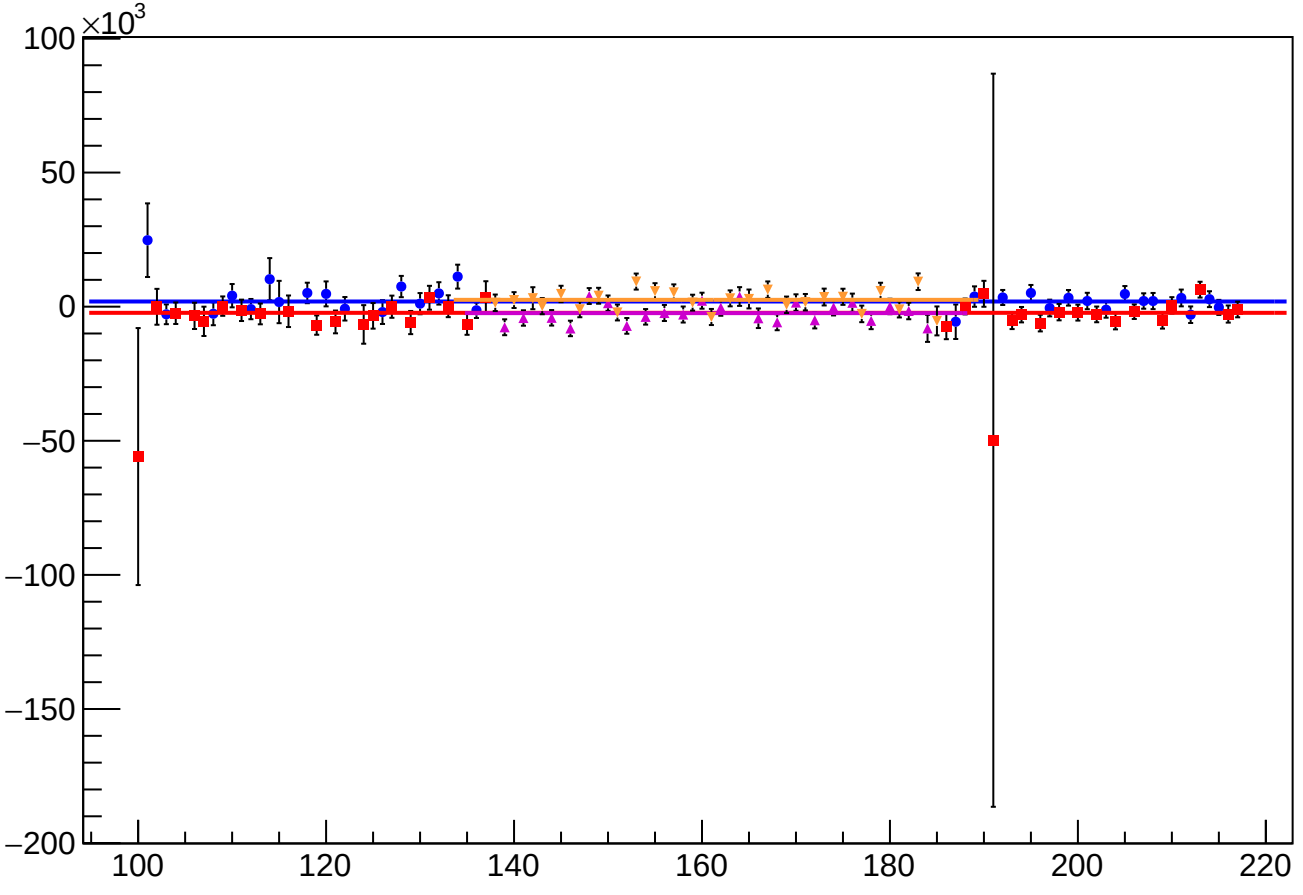
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 768.326+/-0.094 χ^2/NDF: 9284018.0/55

All: 759.217+/-0.066 χ^2/NDF: 20043779.2/11

- sign 750.359+/-0.093 χ^2/NDF: 10741343.8/58

dit_asym_atr1_mean vs Slug



Right In: 1928.837+/-641.615 χ^2/NDF: 27.1/30

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2295.634+/-624.183 χ^2/NDF: 28.3/35

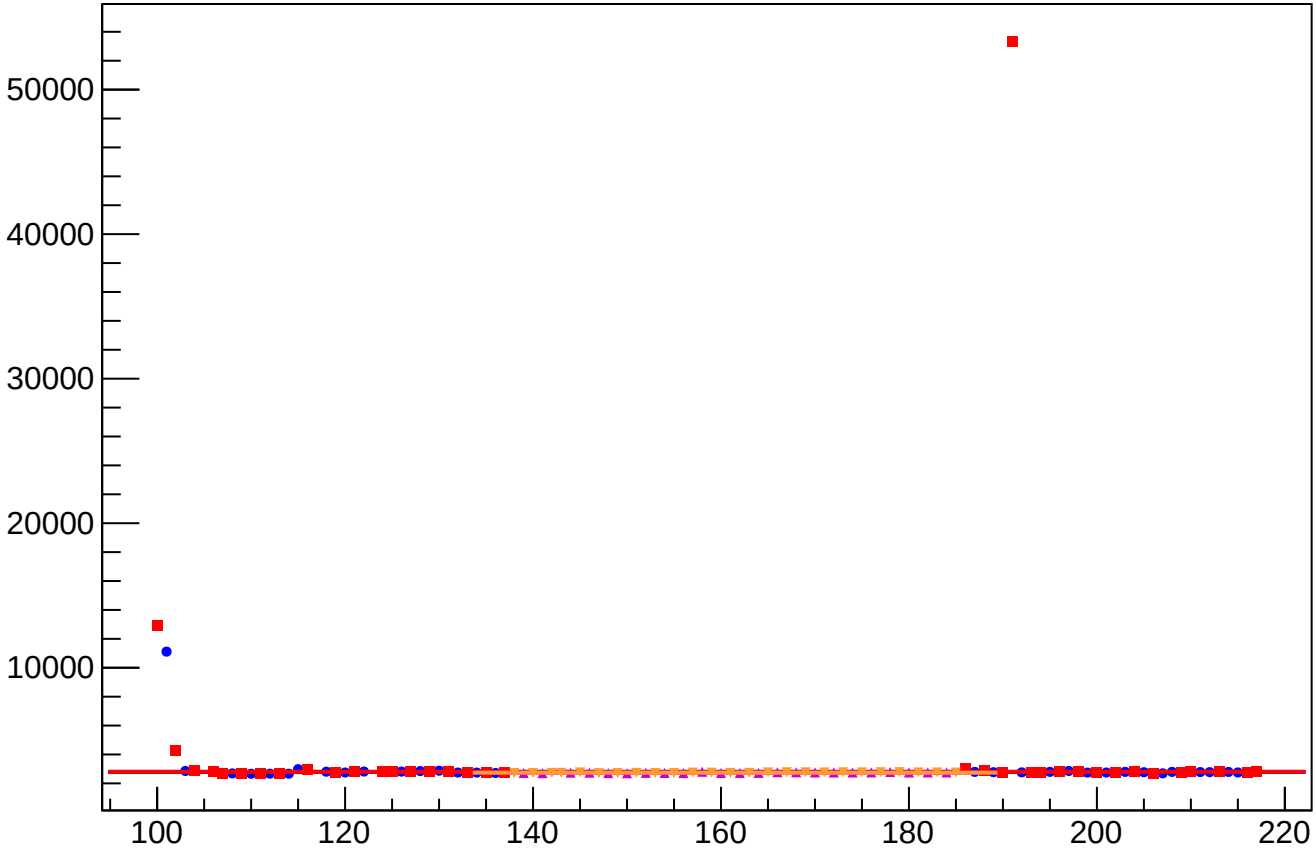
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2246.386+/-446.681 χ^2/NDF: 59.5/55

All: -50.707+/-315.922 χ^2/NDF: 172.5/114

- sign -2349.847+/-446.880 χ^2/NDF: 60.1/58

dit_asym_atr1_rms vs Slug



Right In: 2791.351+/-0.454 χ^2/NDF: 750535.5/30

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2801.326+/-0.441 χ^2/NDF: 535660.1/35

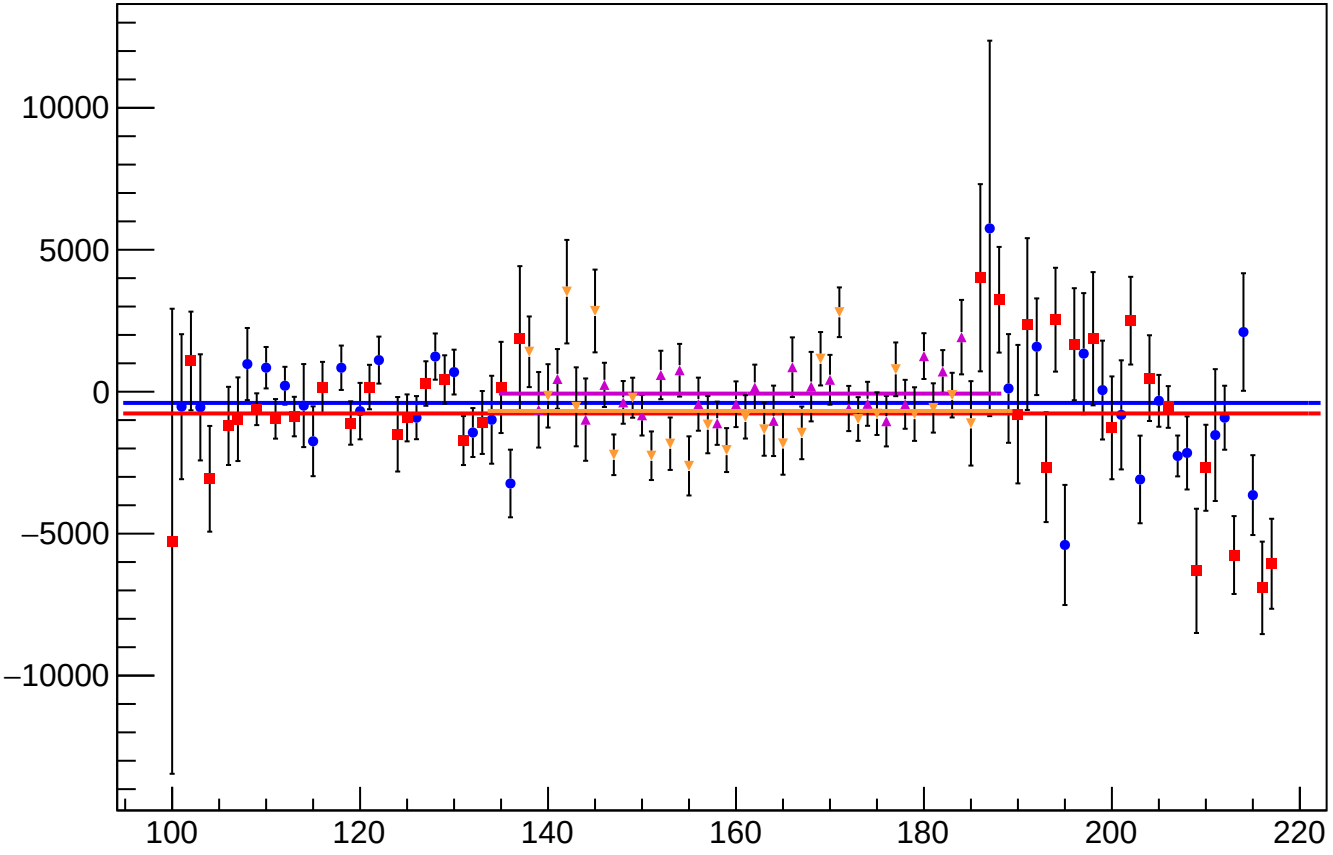
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.530+/-0.316 χ^2/NDF: 759639.9/55

All: 2768.319+/-0.223 χ^2/NDF: 1307945.9/11

- sign 2772.112+/-0.316 χ^2/NDF: 548018.0/58

asym_atr1_dit_correction_mean vs Slug



Right In: -395.153+/-198.869 χ^2/NDF: 53.2/30

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -766.107+/-189.505 χ^2/NDF: 79.5/35

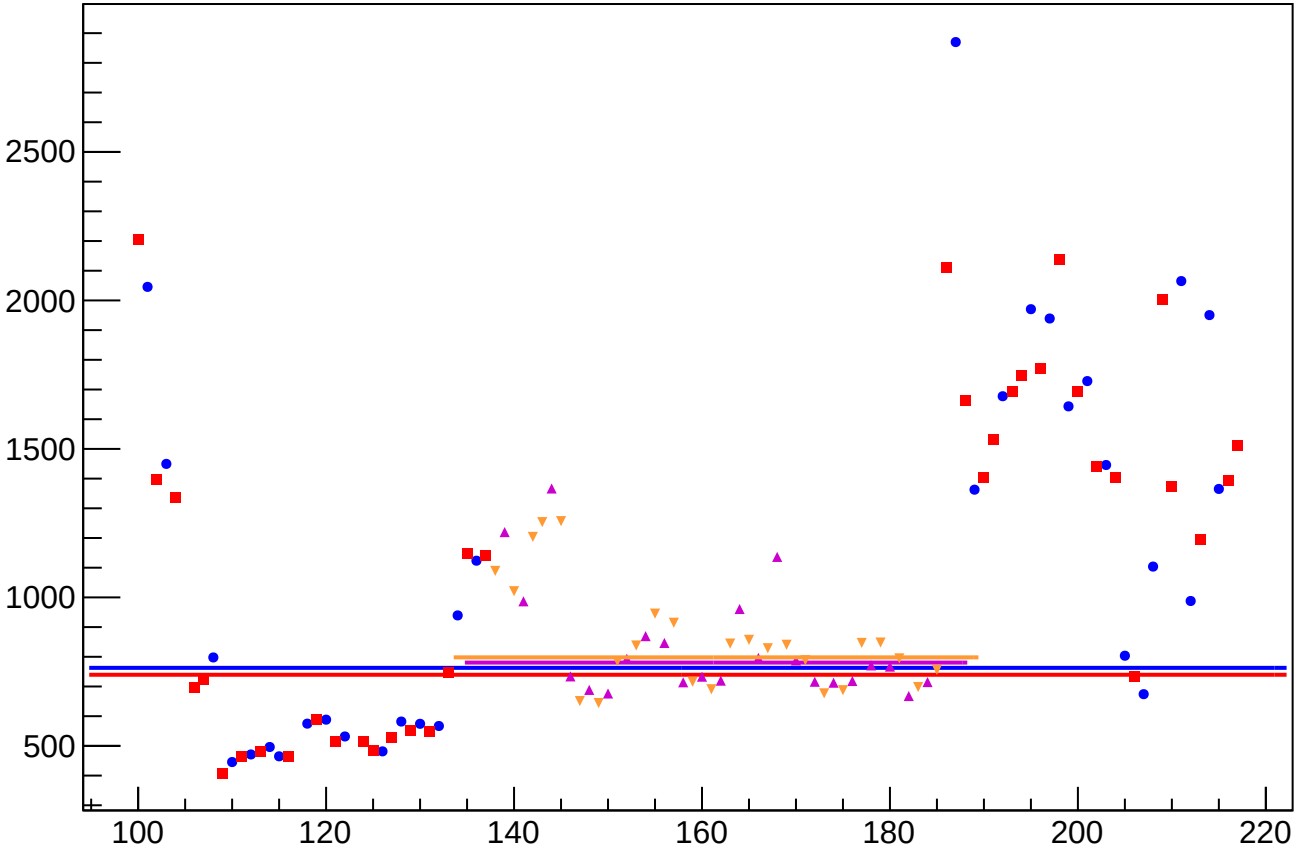
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -546.901+/-135.454 χ^2/NDF: 110.5/55

All: -476.474+/-94.733 χ^2/NDF: 213.3/114

- sign -409.047+/-132.538 χ^2/NDF: 102.2/58

asym_atr1_dit_correction_rms vs Slug



Right In: 762.779+/-0.141 χ^2/NDF: 8406604.1/30

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 739.513+/-0.134 χ^2/NDF: 9897591.4/35

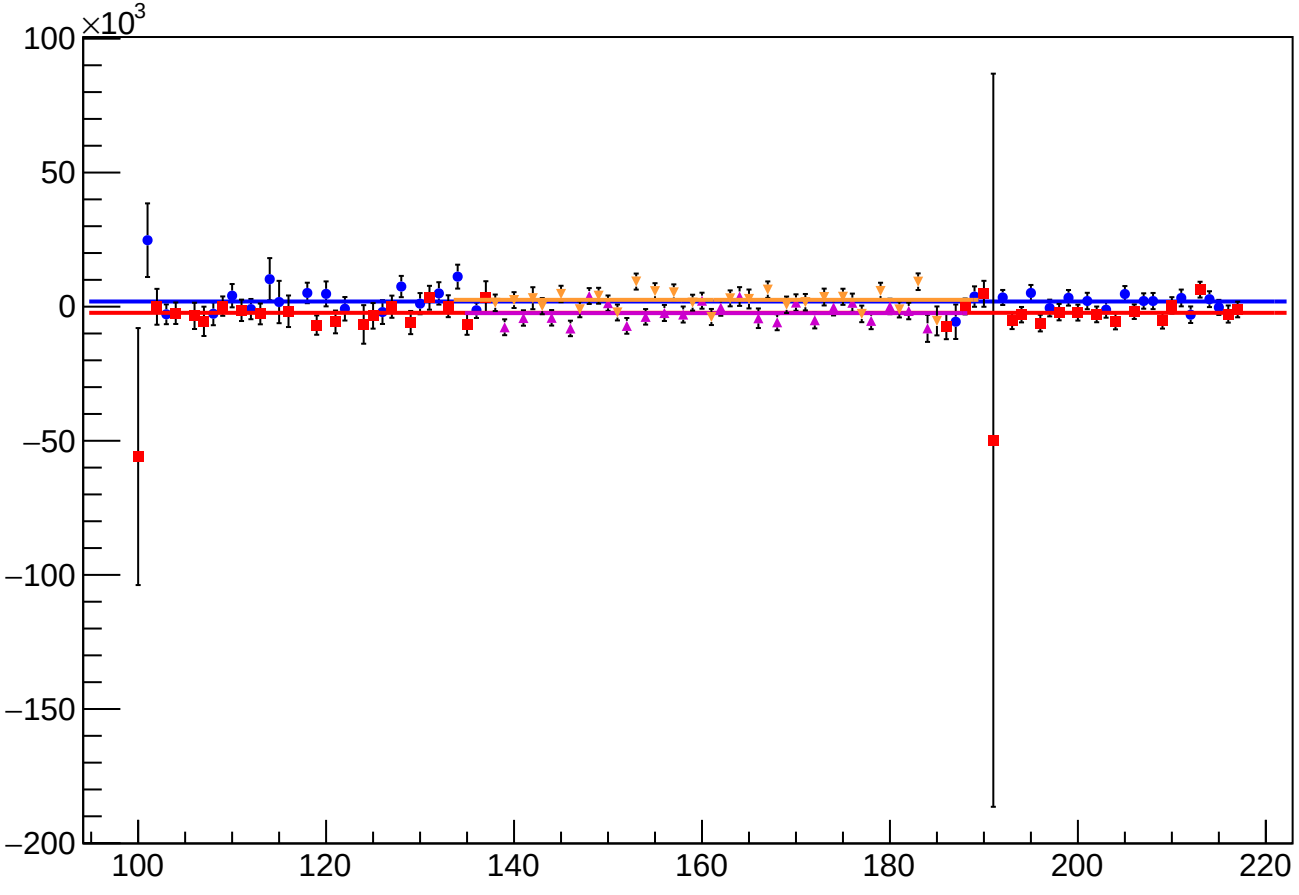
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 781.709+/-0.096 χ^2/NDF: 9608759.7/55

All: 770.855+/-0.067 χ^2/NDF: 20644167.9/11

- sign 760.464+/-0.094 χ^2/NDF: 11010273.1/58

eigen_dit_asym_atr1_mean vs Slug



Right In: 1928.838+/-641.615 χ^2/NDF: 27.1/30

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2295.632+/-624.183 χ^2/NDF: 28.3/35

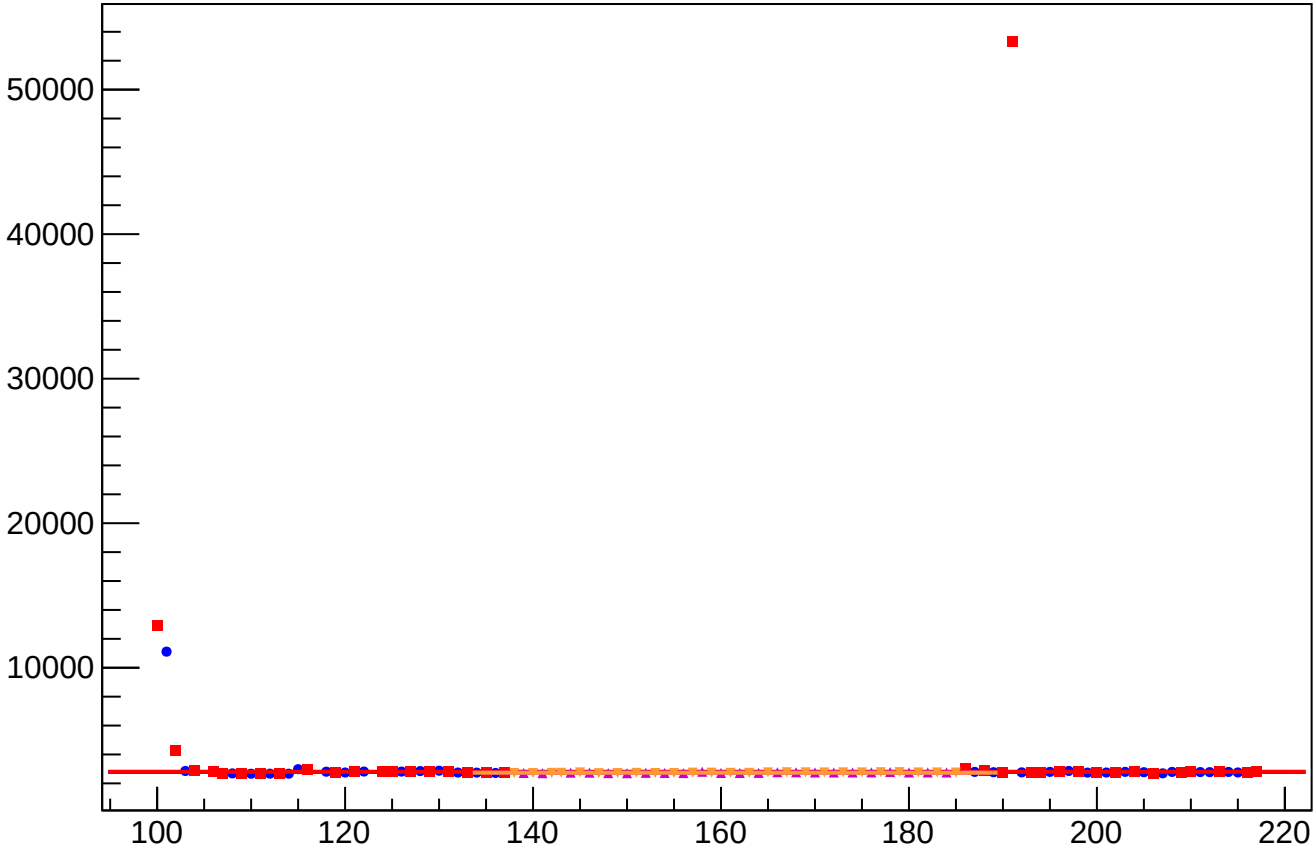
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2246.387+/-446.681 χ^2/NDF: 59.5/55

All: -50.706+/-315.922 χ^2/NDF: 172.5/114

- sign -2349.846+/-446.880 χ^2/NDF: 60.1/58

eigen_dit_asym_atr1_rms vs Slug



Right In: 2791.351+/-0.454 χ^2/NDF: 750535.5/30

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2801.326+/-0.441 χ^2/NDF: 535659.9/35

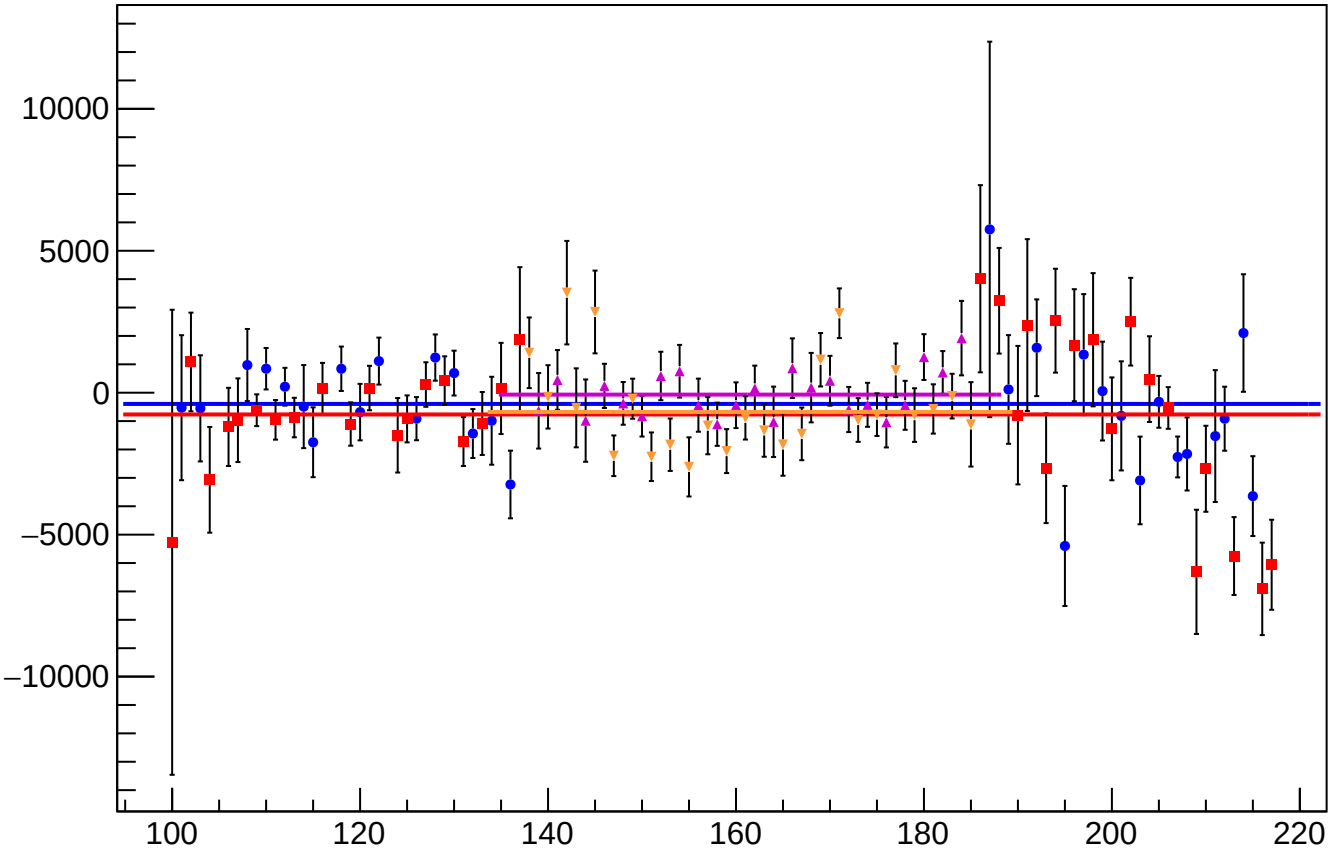
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.530+/-0.316 χ^2/NDF: 759639.8/55

All: 2768.319+/-0.223 χ^2/NDF: 1307945.6/11

- sign 2772.112+/-0.316 χ^2/NDF: 548017.8/58

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -395.153+/-198.869 χ^2/NDF: 53.2/30

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -766.106+/-189.505 χ^2/NDF: 79.5/35

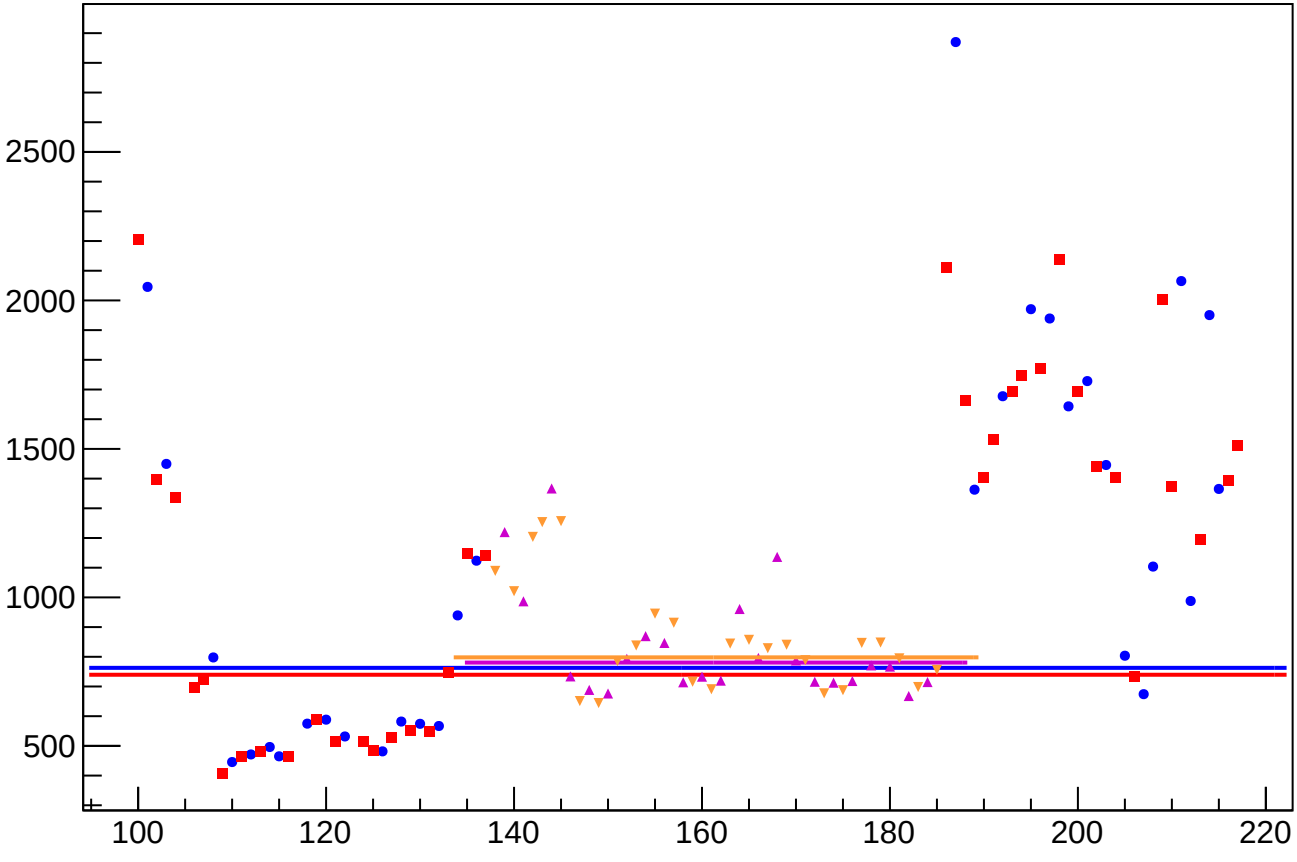
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -546.901+/-135.454 χ^2/NDF: 110.5/55

All: -476.474+/-94.733 χ^2/NDF: 213.3/114

- sign -409.046+/-132.538 χ^2/NDF: 102.2/58

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 762.780+/-0.141 χ^2/NDF: 8406602.9/30

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 739.513+/-0.134 χ^2/NDF: 9897601.5/35

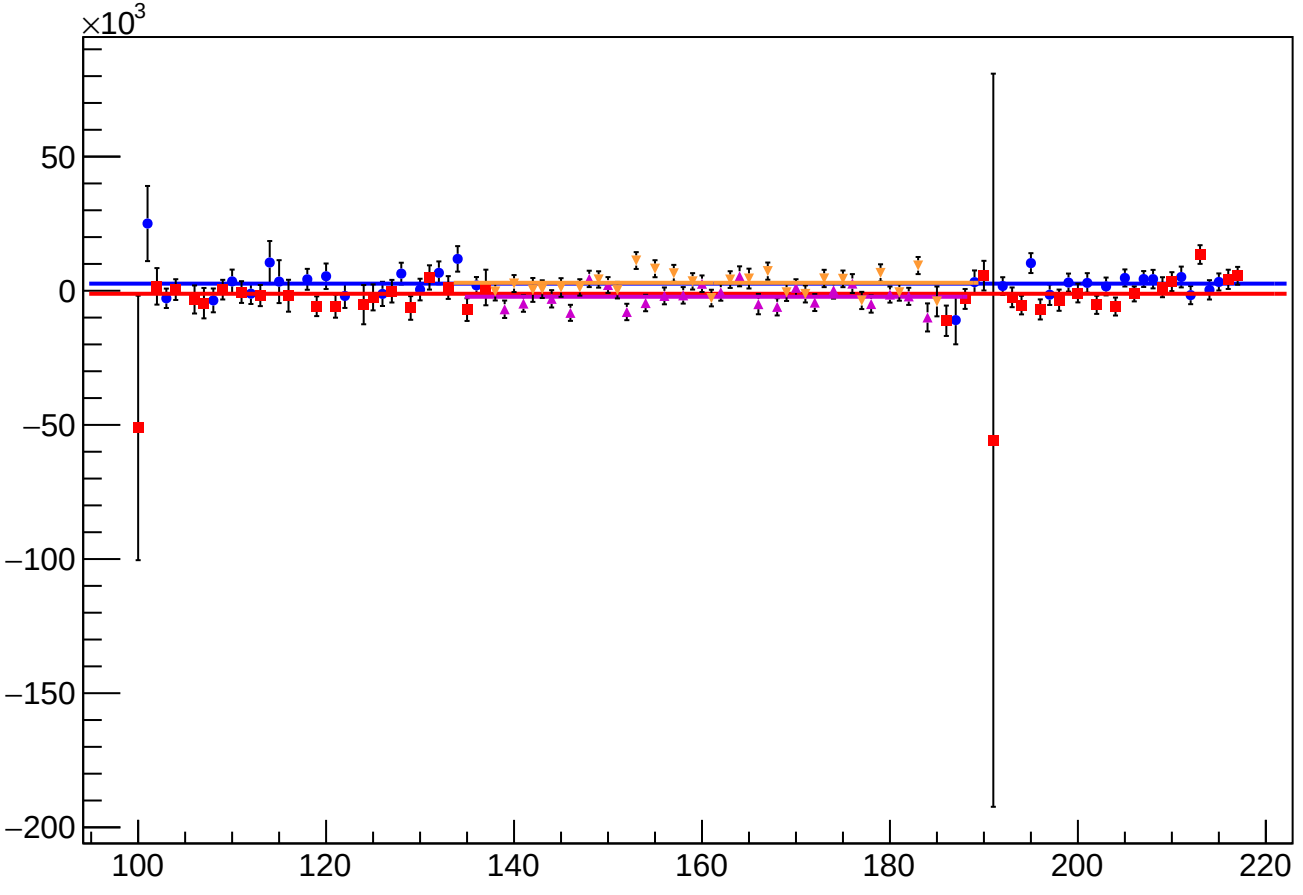
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 781.709+/-0.096 χ^2/NDF: 9608759.5/55

All: 770.856+/-0.067 χ^2/NDF: 20644180.8/11

- sign 760.464+/-0.094 χ^2/NDF: 11010285.6/58

asym_atr1_mean vs Slug



Right In: 2653.525+/-707.524 χ^2/NDF: 28.3/30

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -1122.011+/-692.289 χ^2/NDF: 50.0/35

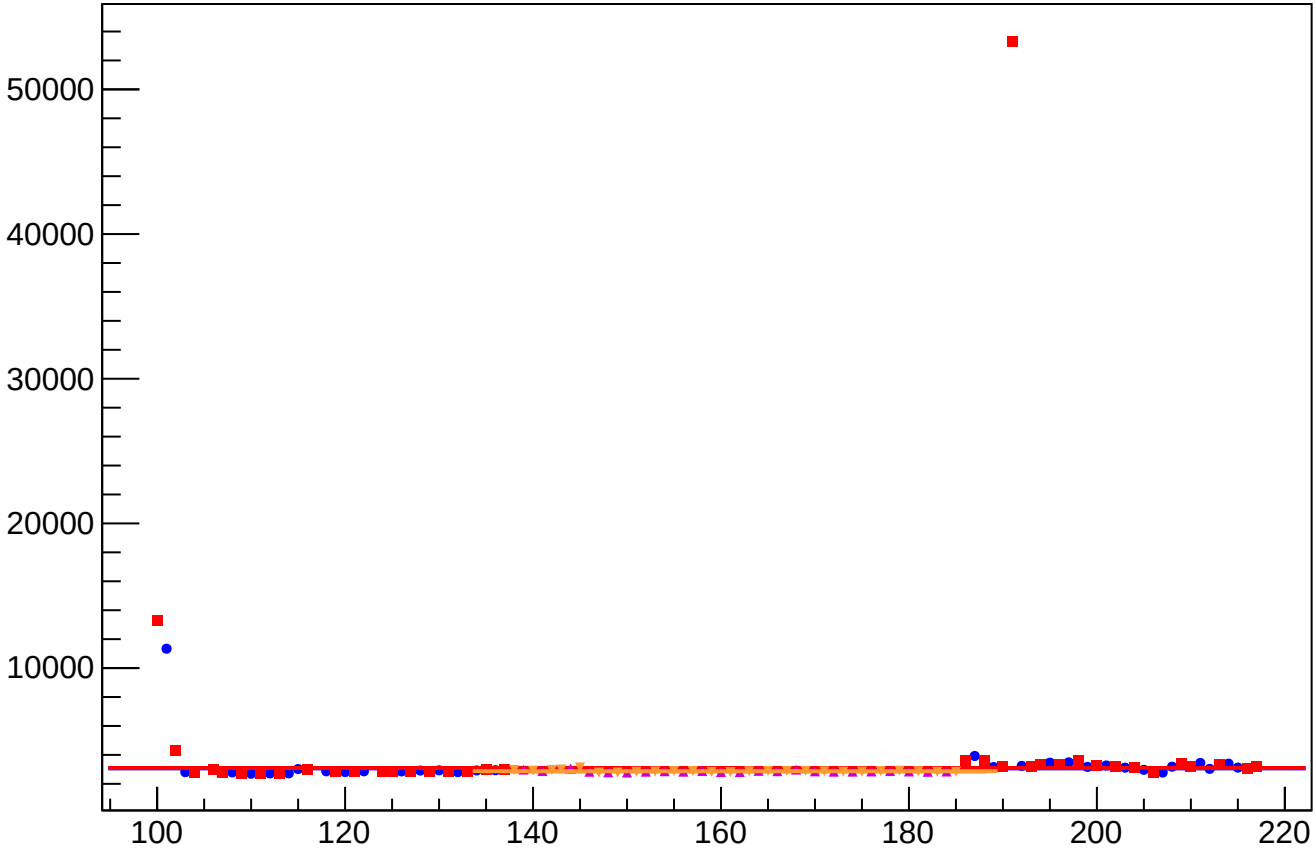
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2823.998+/-479.974 χ^2/NDF: 64.1/55

All: 570.643+/-339.956 χ^2/NDF: 193.5/114

- sign -1697.727+/-481.570 χ^2/NDF: 85.2/58

asym_atr1_rms vs Slug



Right In: 3068.040+/-0.500 χ^2/NDF: 926999.9/30

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

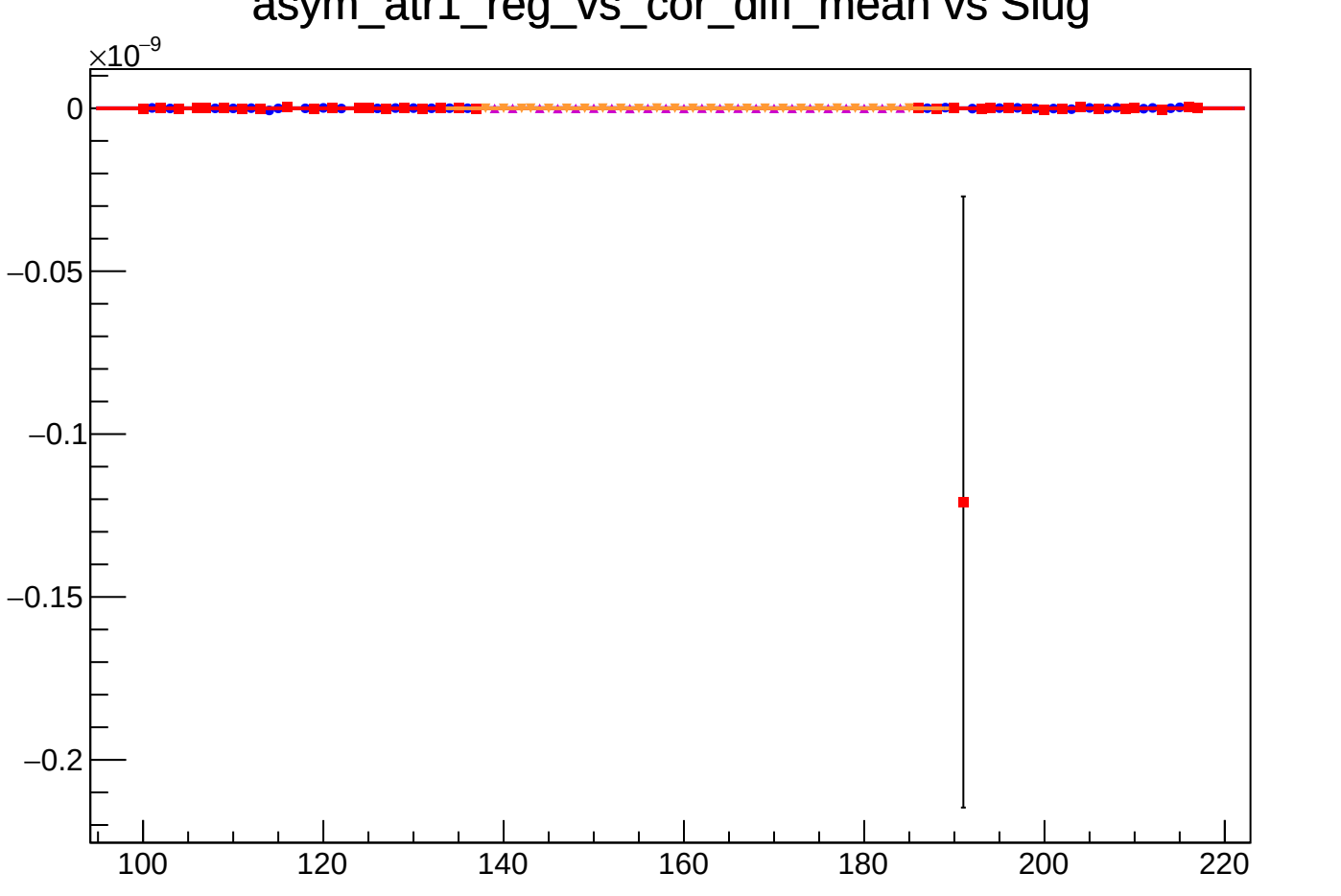
Right Out: 3093.593+/-0.490 χ^2/NDF: 762990.3/35

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

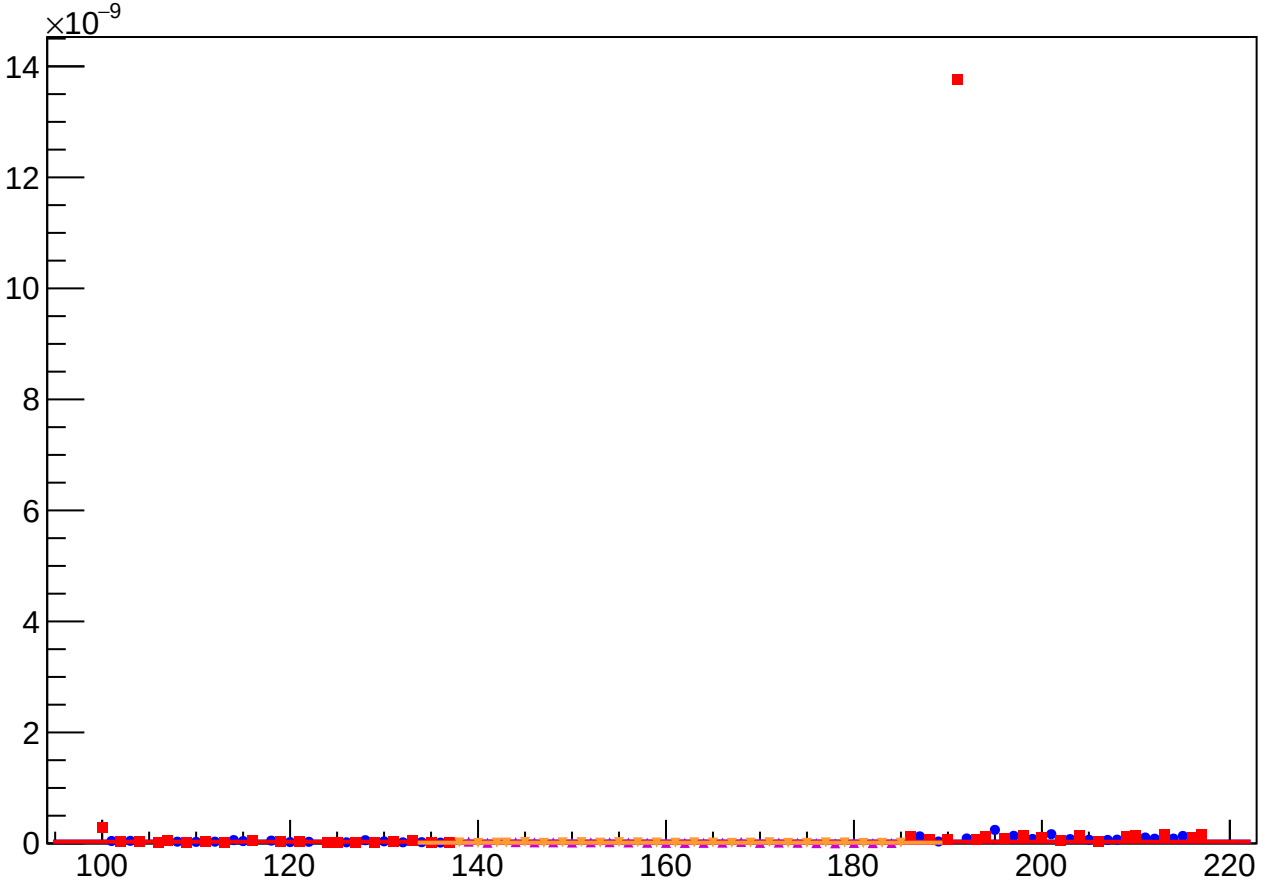
+ sign 2963.802+/-0.339 χ^2/NDF: 1029210.4/55

All: 2971.014+/-0.240 χ^2/NDF: 1918322.6/11

- sign 2978.273+/-0.341 χ^2/NDF: 888206.3/58


asym_atr1_reg_vs_cor_diff_mean vs Slug
×10⁻⁹
0
−0.05
−0.1
−0.15
−0.2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 26.4/30
Left Out: 0.000+/-0.000 χ²/NDF:14.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.7/35
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 42.2/55
All: 0.000+/-0.000 χ²/NDF: 117.2/114
- sign 0.000+/-0.000 χ²/NDF: 75.0/58

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5330733.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5958997.2/35

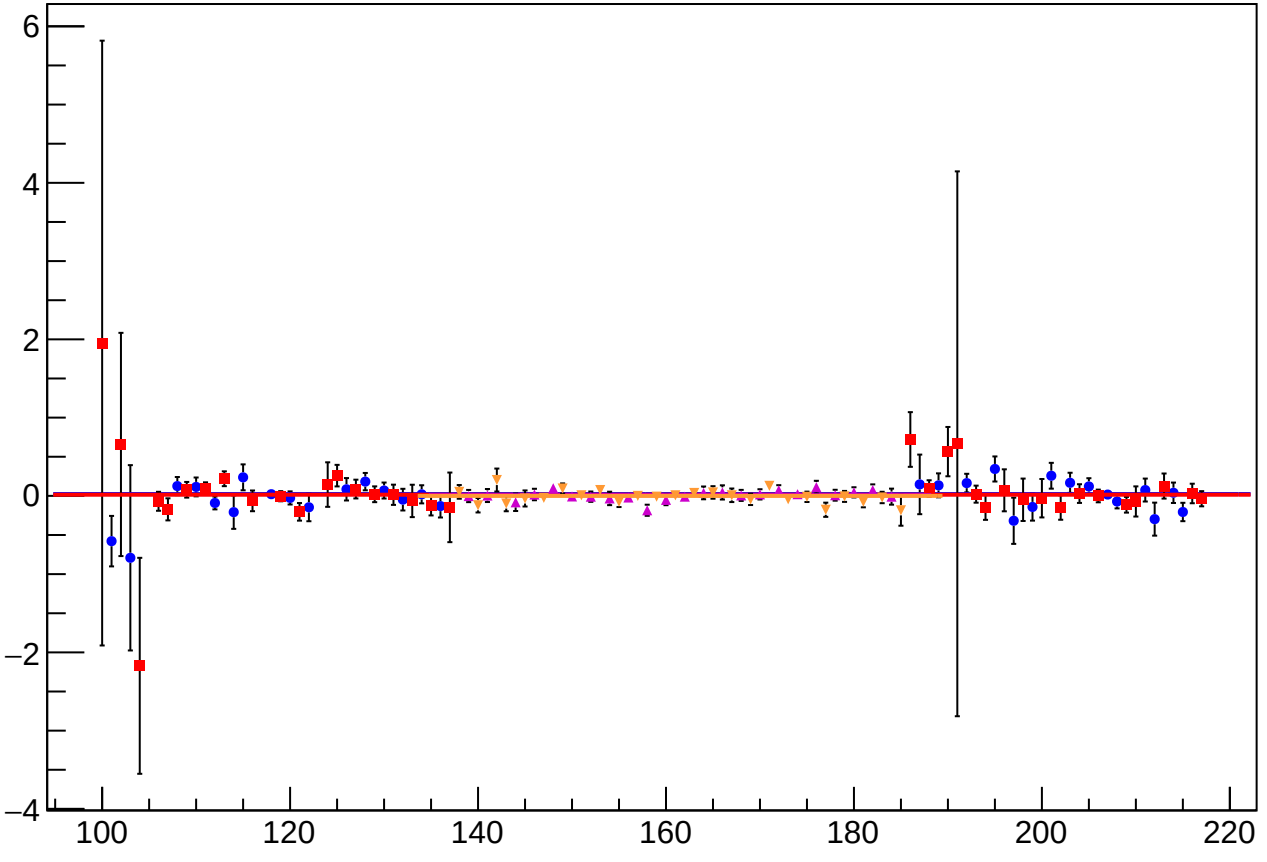
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9697809.2/55

All: 0.000+/-0.000 χ^2/NDF: 22390550.7/114

- sign 0.000+/-0.000 χ^2/NDF: 12376681.0/58

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

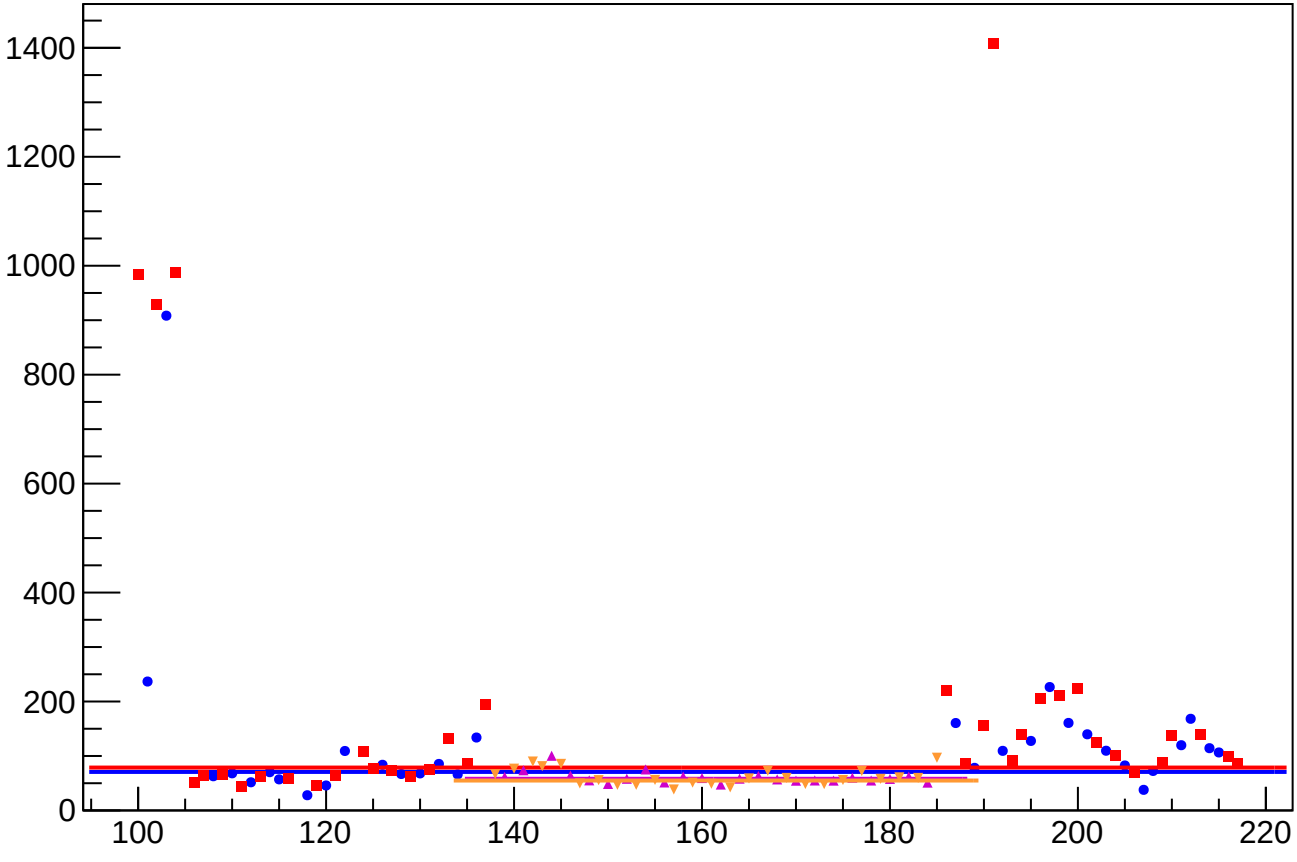
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 58.4/55

All: 0.009+/-0.008 χ^2/NDF: 107.5/114

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

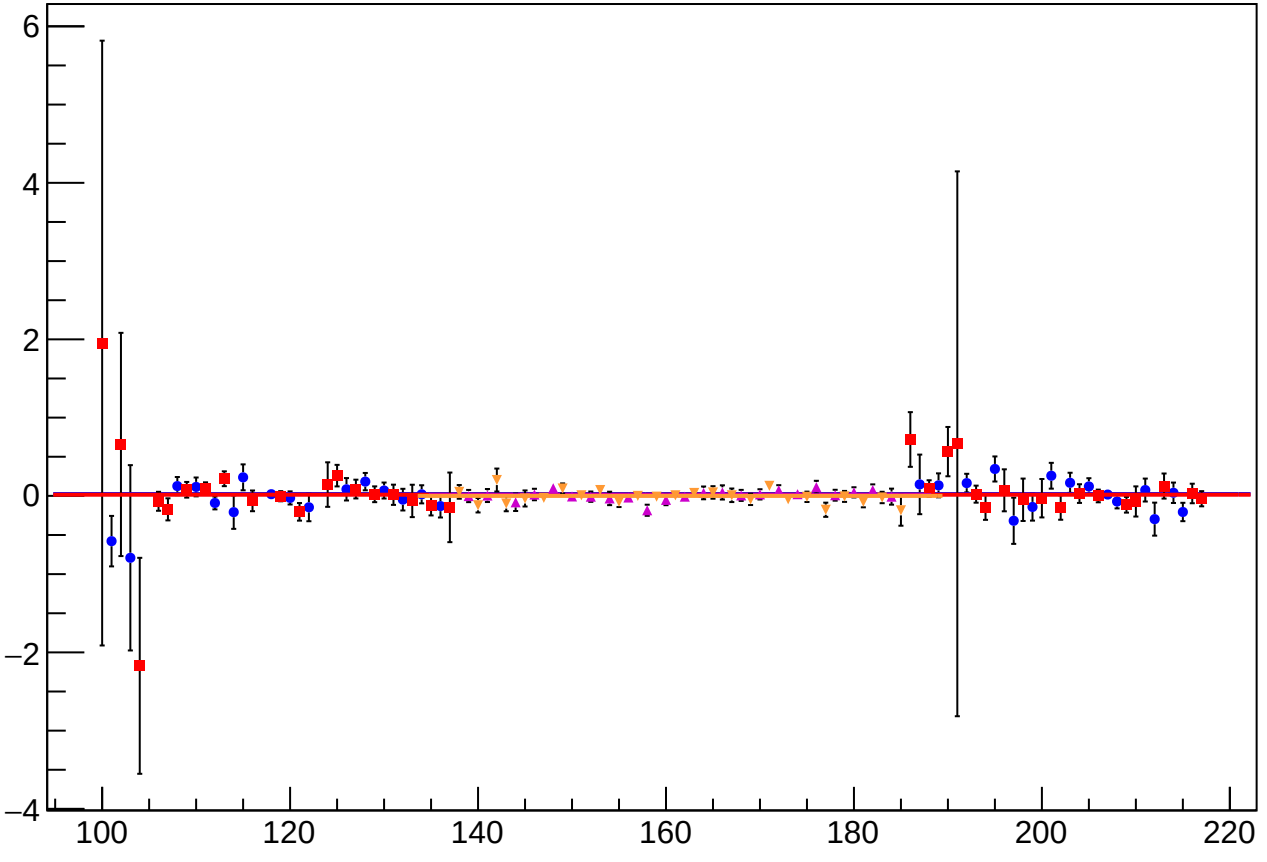
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 59.928+/-0.008 χ^2/NDF: 9725925.3/55

All: 62.222+/-0.006 χ^2/NDF: 18619100.7/114

- sign 64.748+/-0.009 χ^2/NDF: 8730319.1/58

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

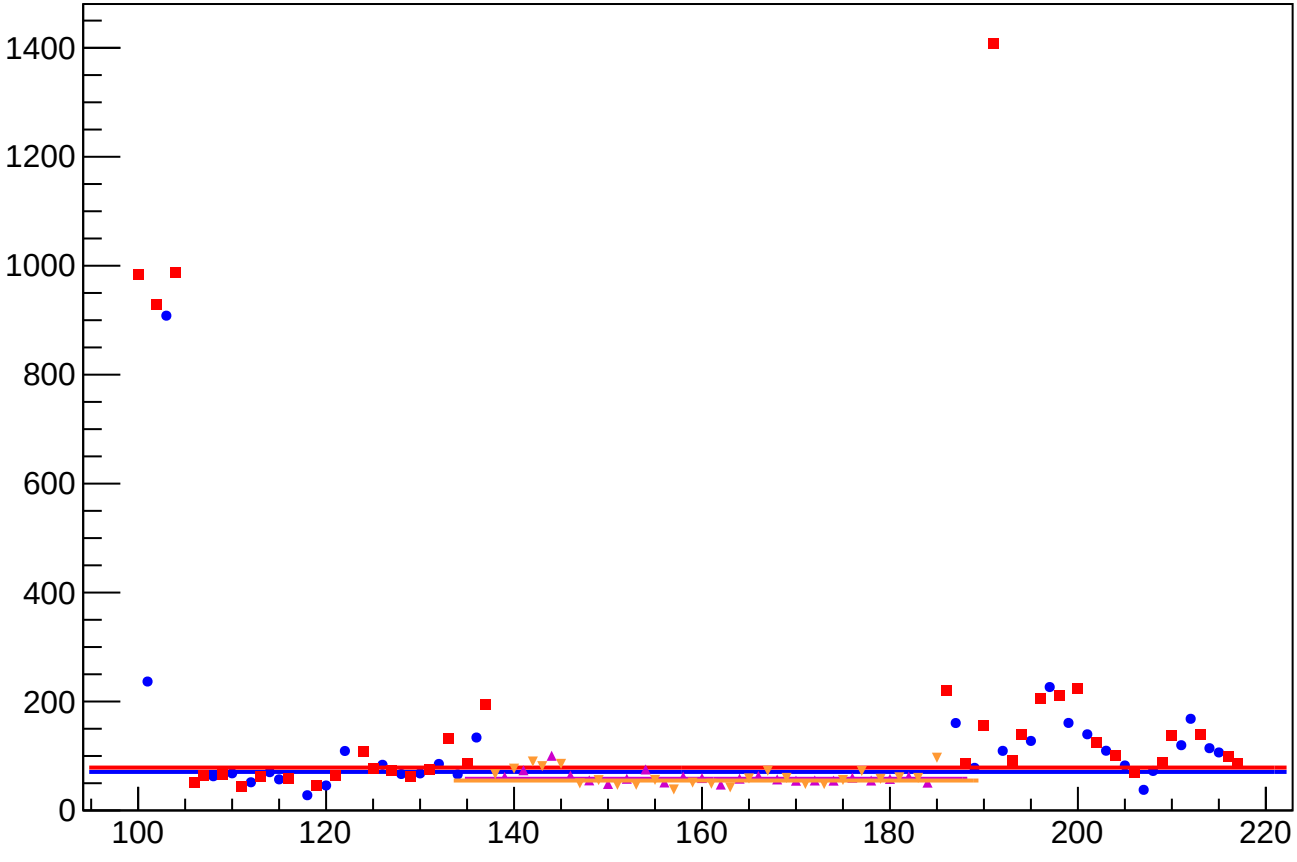
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 58.4/55

All: 0.009+/-0.008 χ^2/NDF: 107.5/114

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.731+/-0.015 χ^2/NDF: 7633409.2/30

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 78.746+/-0.015 χ^2/NDF: 6835125.4/35

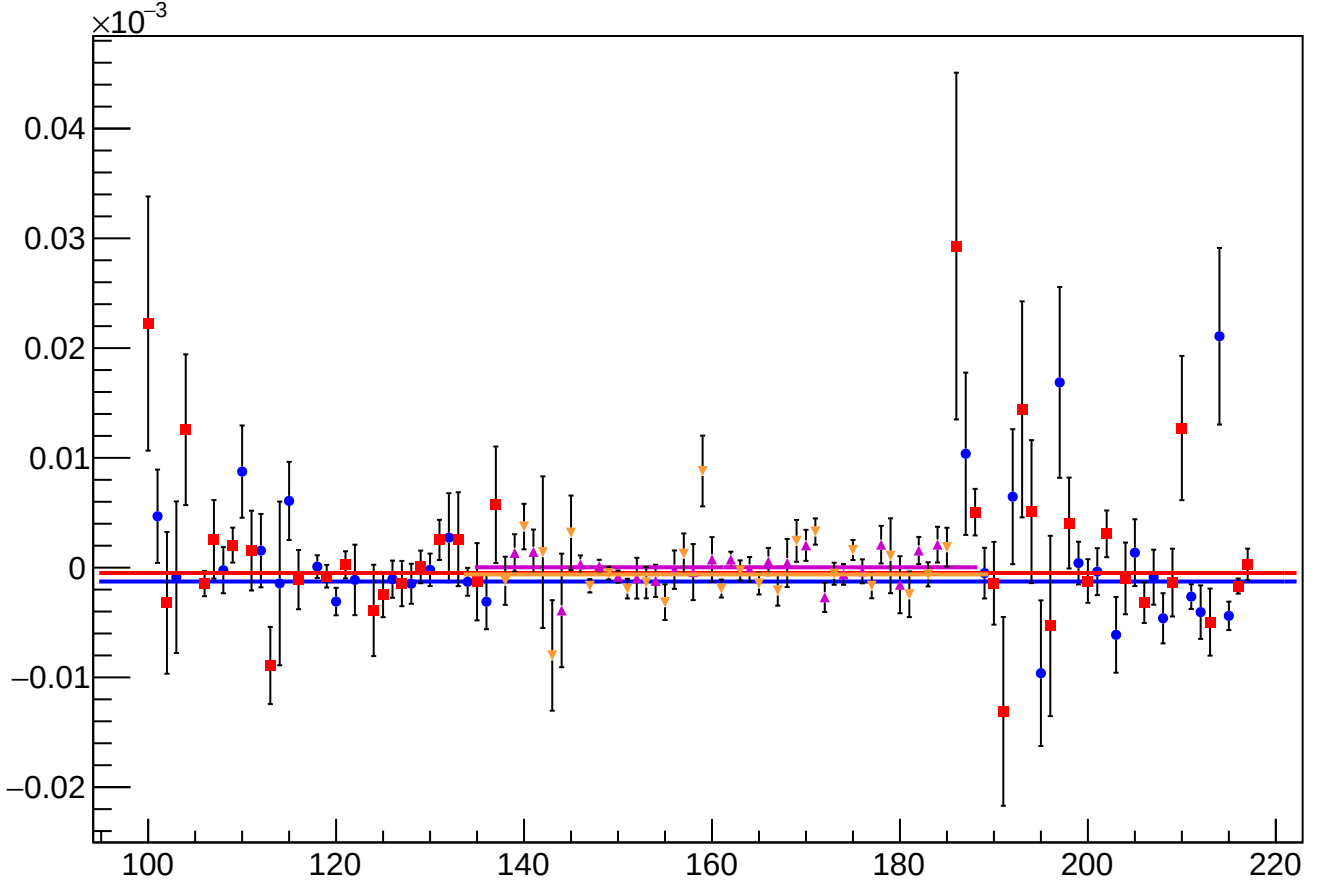
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 59.928+/-0.008 χ^2/NDF: 9725925.3/55

All: 62.222+/-0.006 χ^2/NDF: 18619100.7/114

- sign 64.748+/-0.009 χ^2/NDF: 8730319.1/58

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 51.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 56.6/35

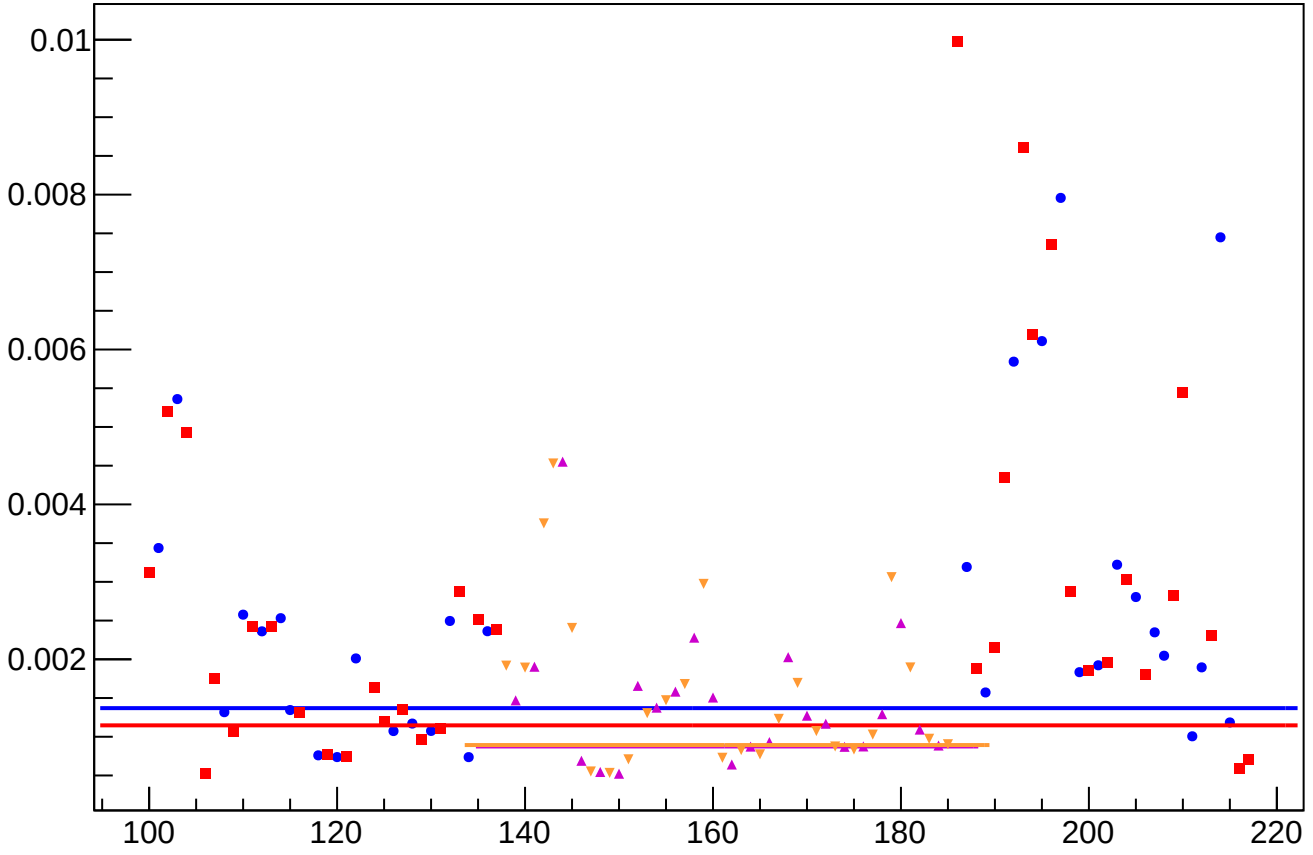
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 105.9/55

All: -0.000+/-0.000 χ^2/NDF: 188.0/114

- sign -0.000+/-0.000 χ^2/NDF: 76.4/58

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10542263.9/30

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 13774676.6/35

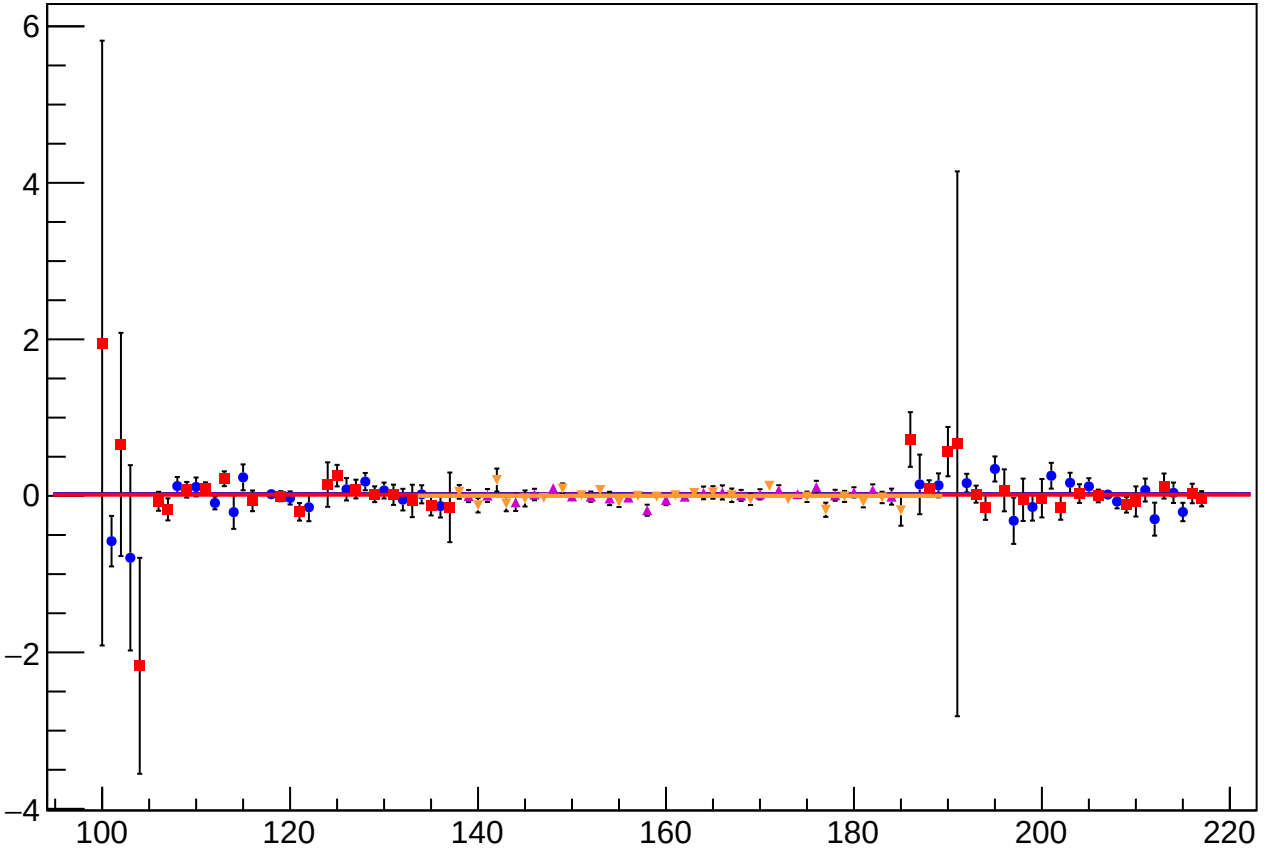
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 20589210.9/55

All: 0.001+/-0.000 χ^2/NDF: 42295230.9/114

- sign 0.001+/-0.000 χ^2/NDF: 21611025.8/58

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

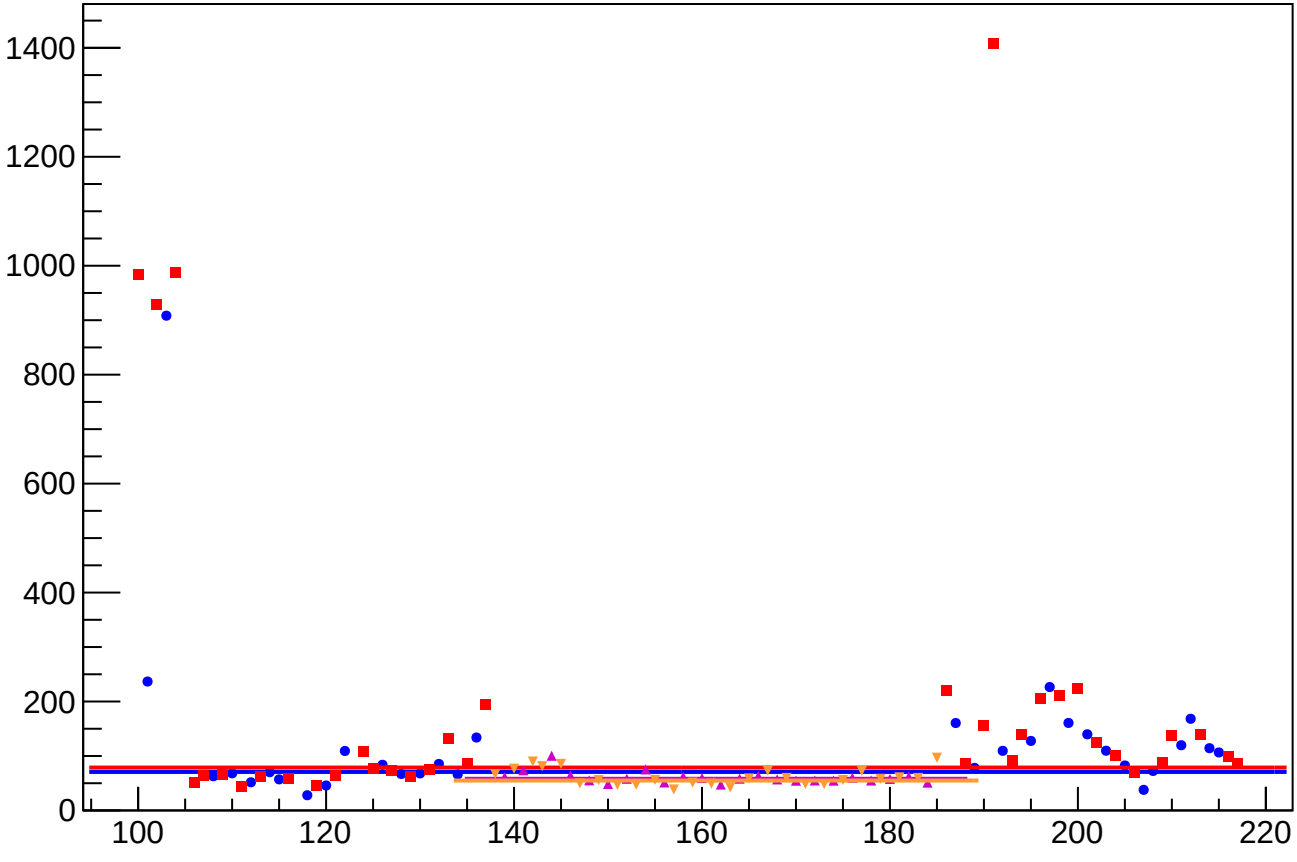
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 58.4/55

All: 0.009+/-0.008 χ^2/NDF: 107.5/114

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.730+/-0.015 χ^2/NDF: 7633707.5/30

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

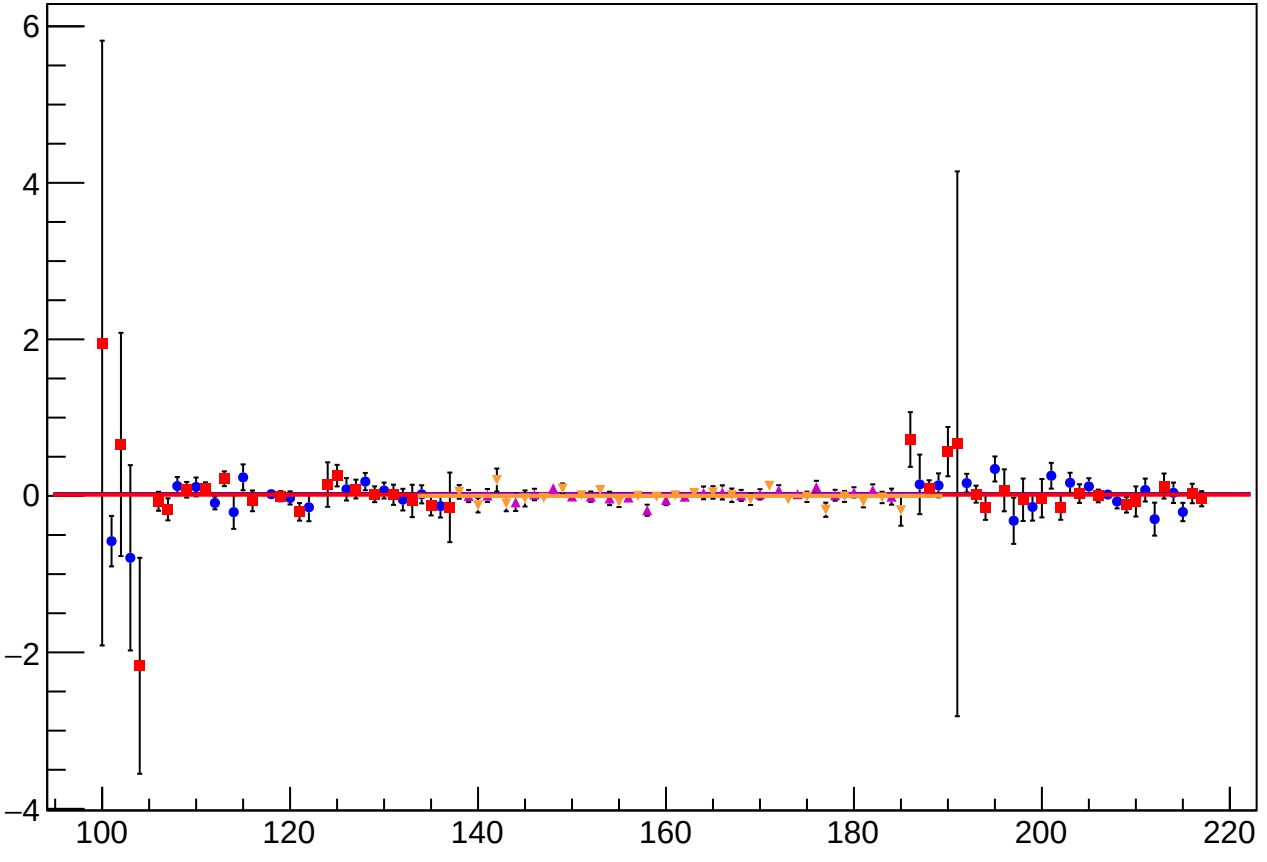
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 59.927+/-0.008 χ^2/NDF: 9726237.3/55

All: 62.222+/-0.006 χ^2/NDF: 18619482.2/114

- sign 64.748+/-0.009 χ^2/NDF: 8730346.7/58

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.023+/-0.021 χ^2/NDF: 34.9/30

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.015+/-0.022 χ^2/NDF: 33.5/35

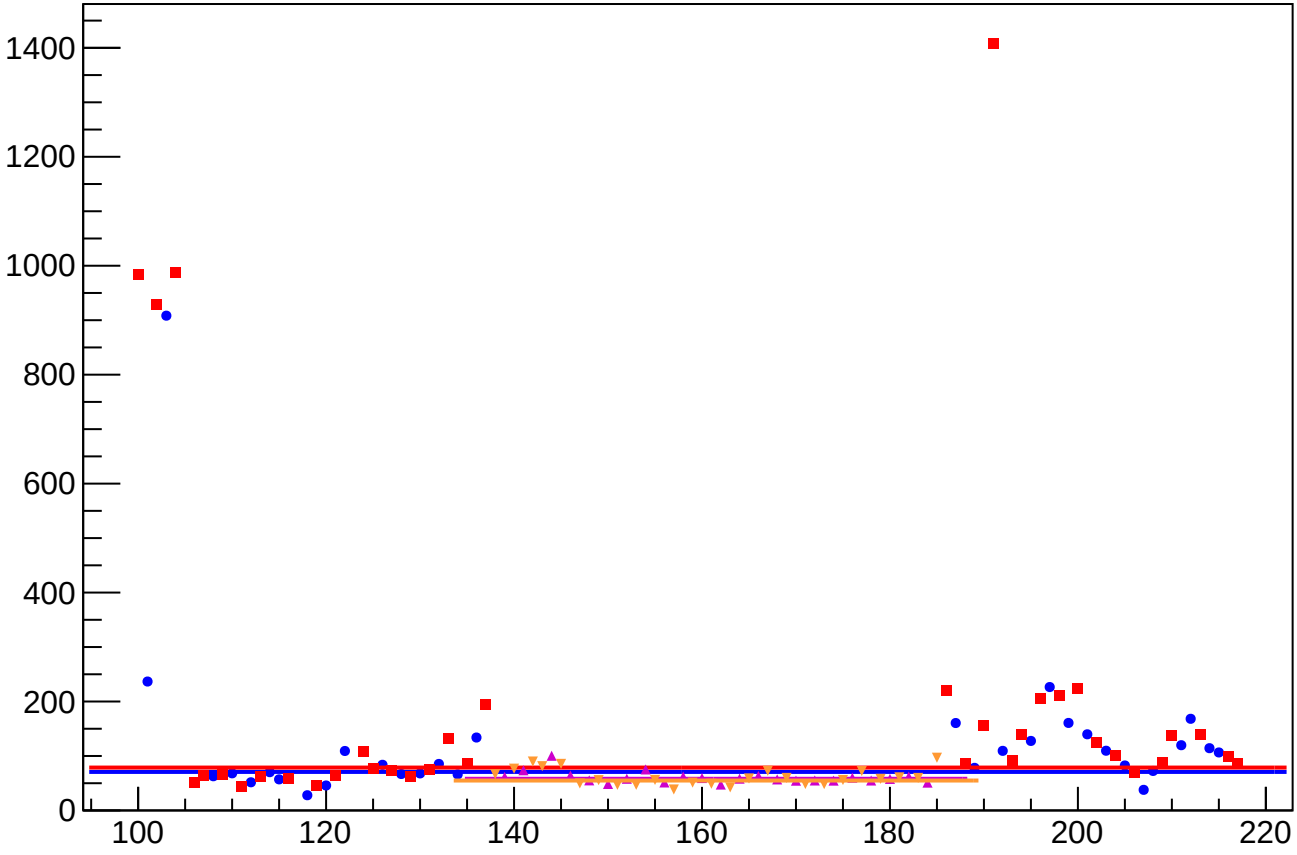
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.007+/-0.012 χ^2/NDF: 58.4/55

All: 0.009+/-0.008 χ^2/NDF: 107.5/114

- sign 0.010+/-0.012 χ^2/NDF: 49.1/58

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.730+/-0.015 χ^2/NDF: 7633707.5/30

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

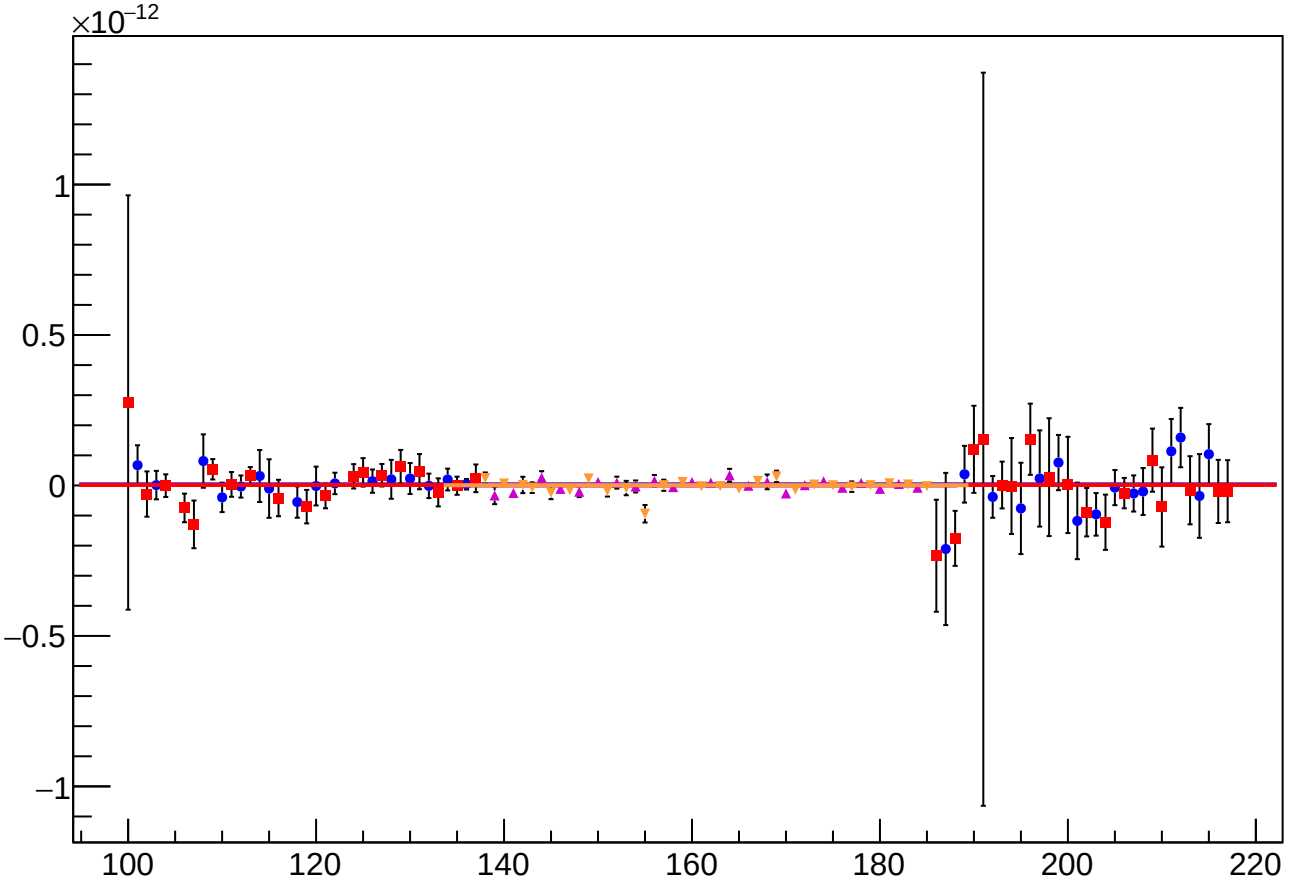
Right Out: 78.745+/-0.015 χ^2/NDF: 6835156.0/35

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 59.927+/-0.008 χ^2/NDF: 9726237.3/55

All: 62.222+/-0.006 χ^2/NDF: 18619482.2/114

- sign 64.748+/-0.009 χ^2/NDF: 8730346.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

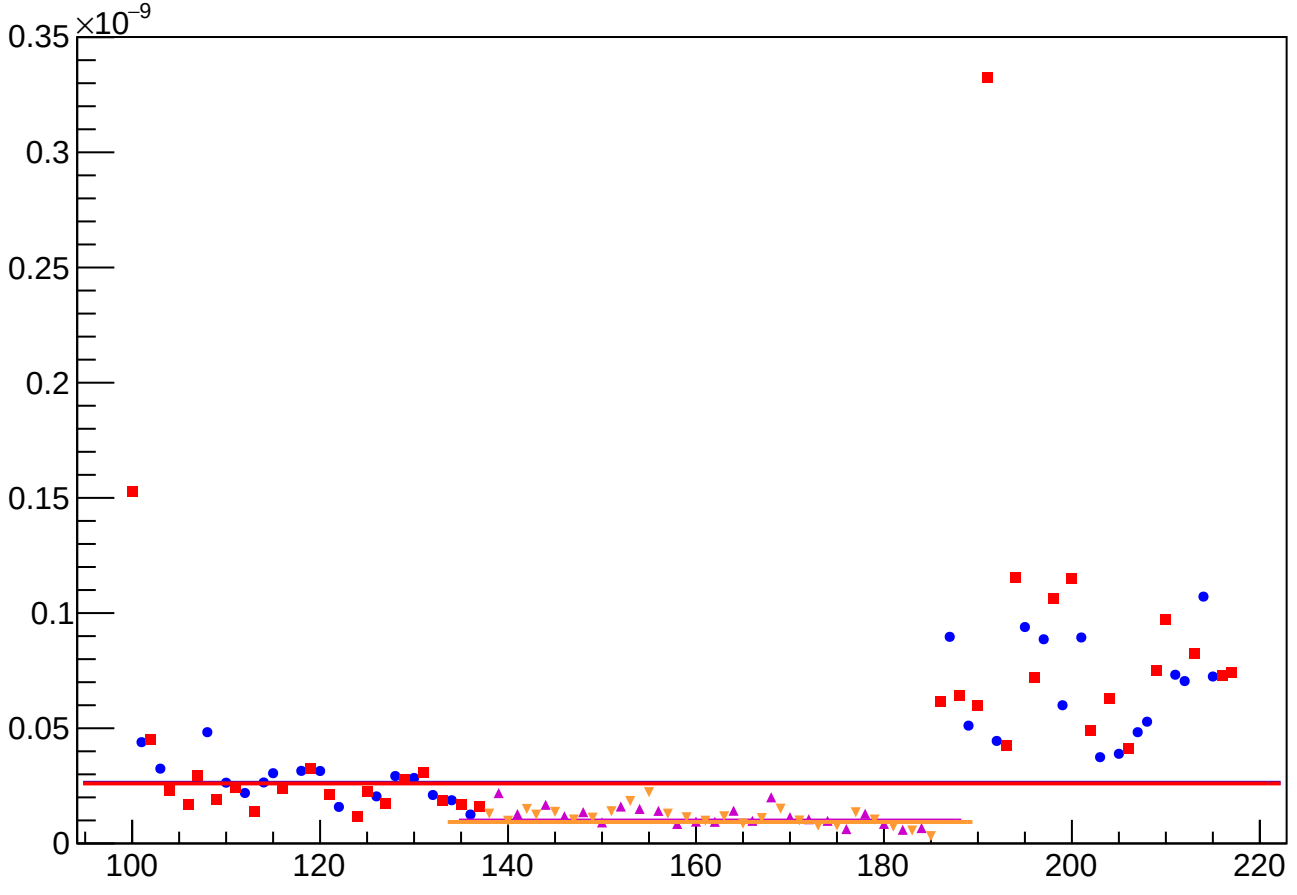
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/35

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.8/55

All: 0.000+/-0.000 χ^2/NDF: 88.7/114

- sign -0.000+/-0.000 χ^2/NDF: 48.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 6336267.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7163510.2/35

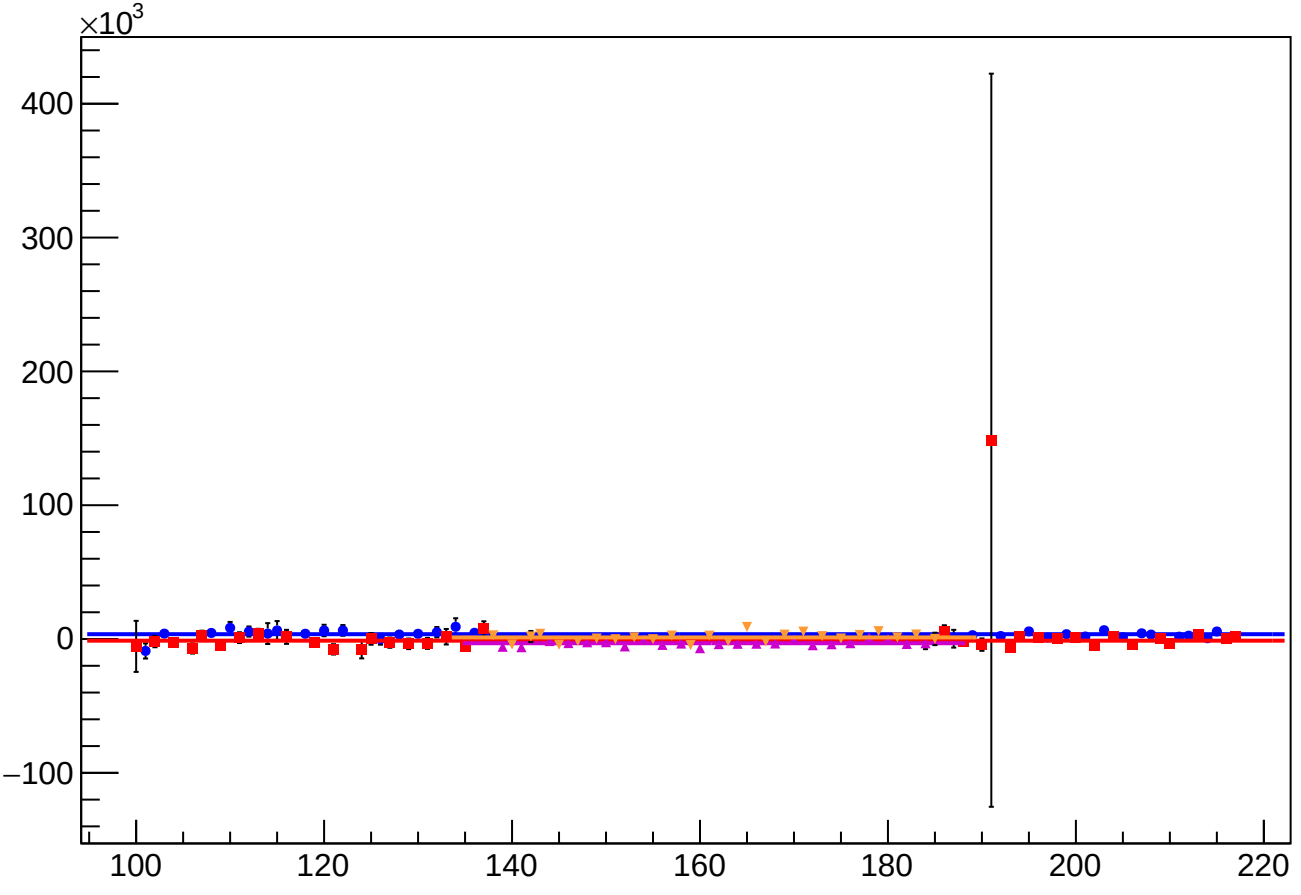
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 15462559.7/55

All: 0.000+/-0.000 χ^2/NDF: 30649505.8/114

- sign 0.000+/-0.000 χ^2/NDF: 15118966.8/58

reg_asym_atr2_mean vs Slug



Right In: 3609.180+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.061+/-594.121 χ^2/NDF: 33.1/35

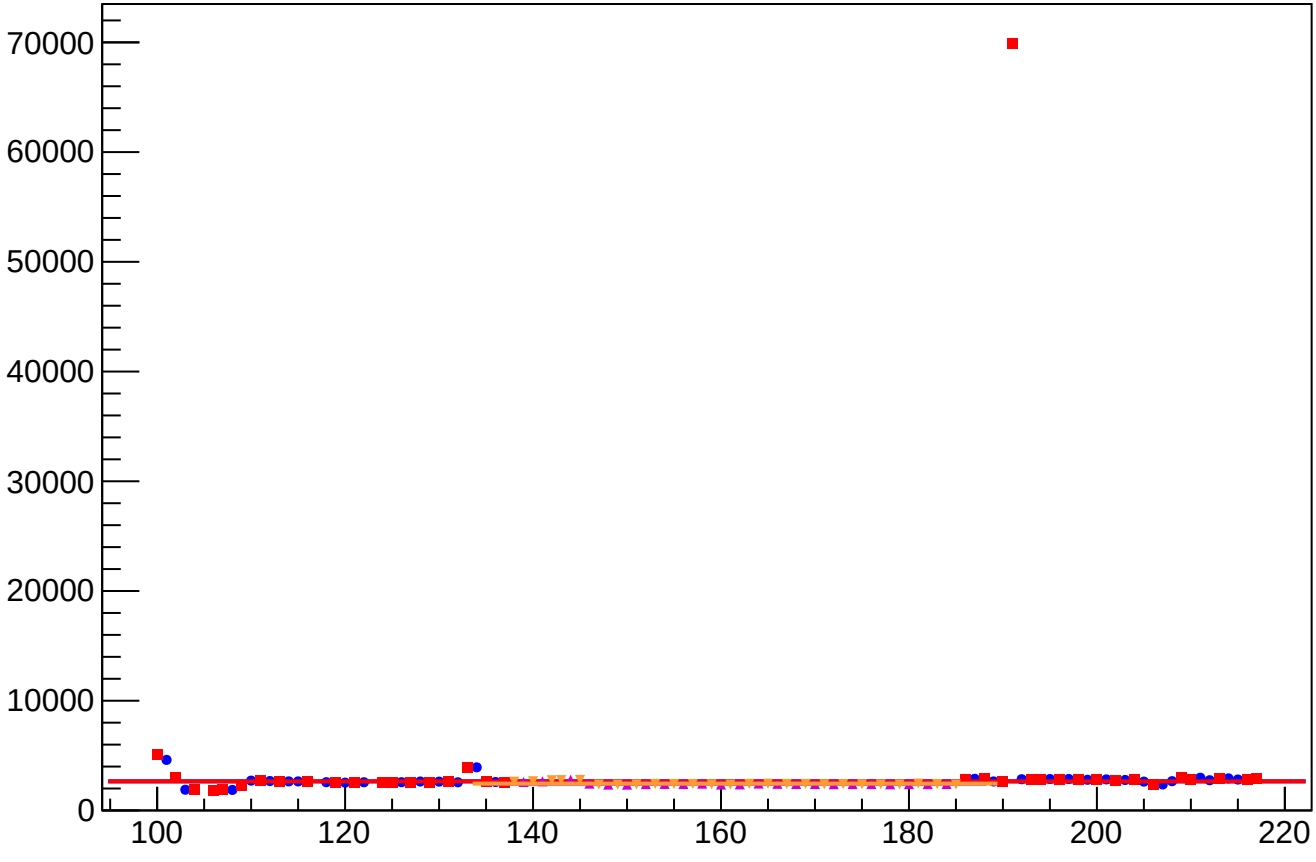
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2286.727+/-411.164 χ^2/NDF: 54.6/55

All: 29.614+/-290.686 χ^2/NDF: 166.1/114

- sign -2225.931+/-411.021 χ^2/NDF: 51.2/58

reg_asym_atr2_rms vs Slug



Right In: 2654.388+/-0.432 χ^2/NDF: 771403.7/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.285+/-0.420 χ^2/NDF: 822446.8/35

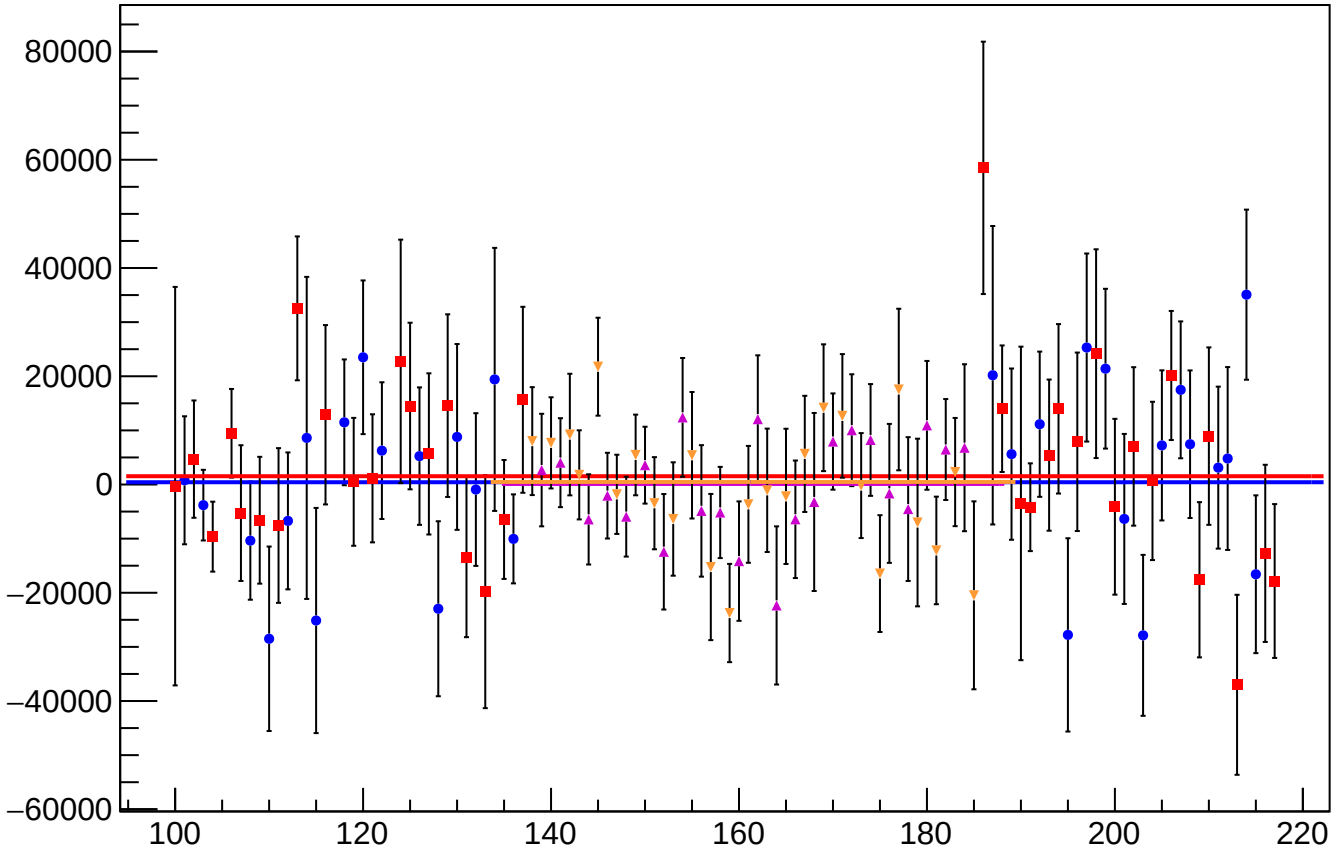
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2540.431+/-0.291 χ^2/NDF: 988961.3/55

All: 2539.242+/-0.206 χ^2/NDF: 2005083.8/11

- sign 2538.053+/-0.291 χ^2/NDF: 1016089.1/58

asym_atr2_reg_correction_mean vs Slug



Right In: 420.838+/-2427.064 χ^2/NDF: 34.9/30

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 1531.325+/-2208.244 χ^2/NDF: 39.1/35

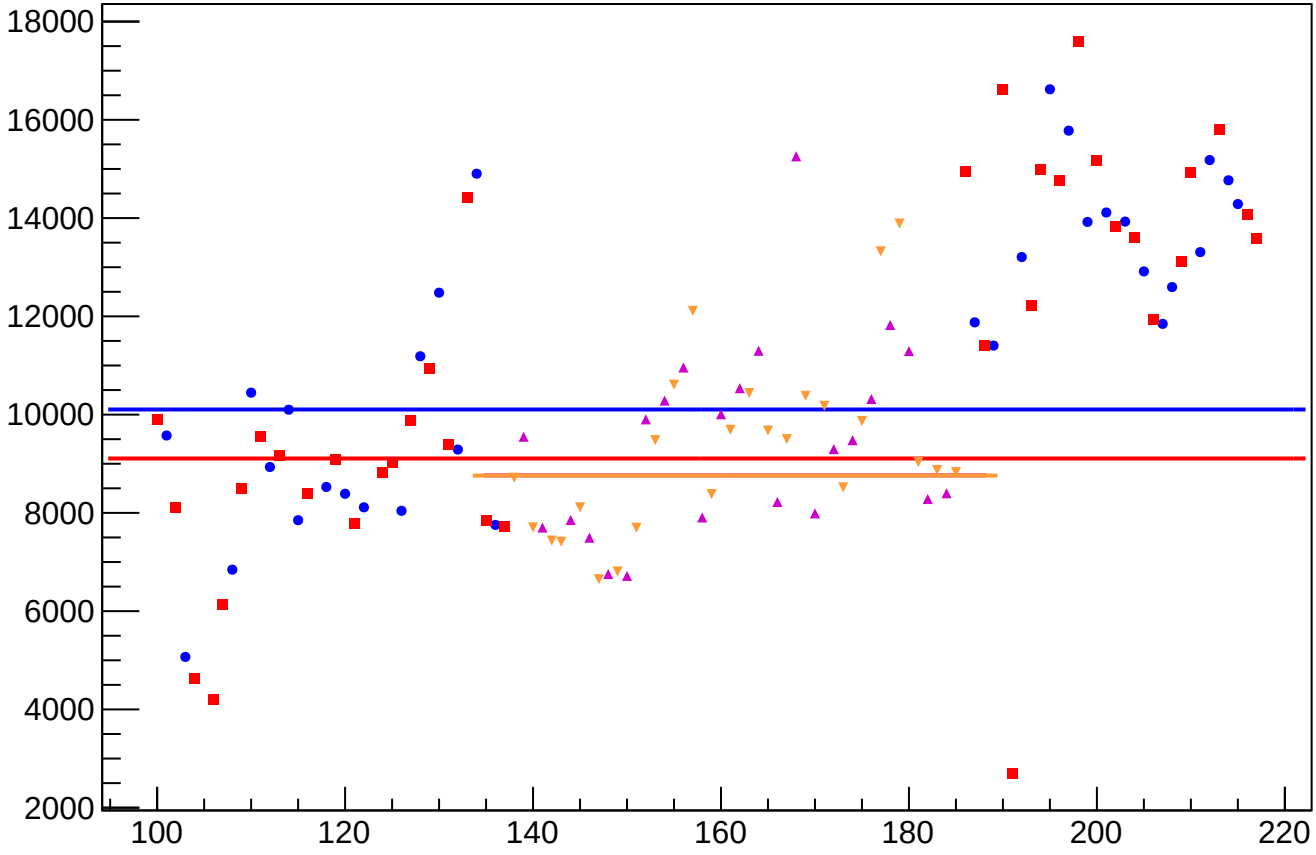
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 453.913+/-1559.826 χ^2/NDF: 62.3/55

All: 620.964+/-1087.977 χ^2/NDF: 116.2/114

- sign 779.236+/-1518.279 χ^2/NDF: 53.9/58

asym_atr2_reg_correction_rms vs Slug



Right In: 10104.517+/-1.716 χ^2/NDF: 3682683.5/30

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

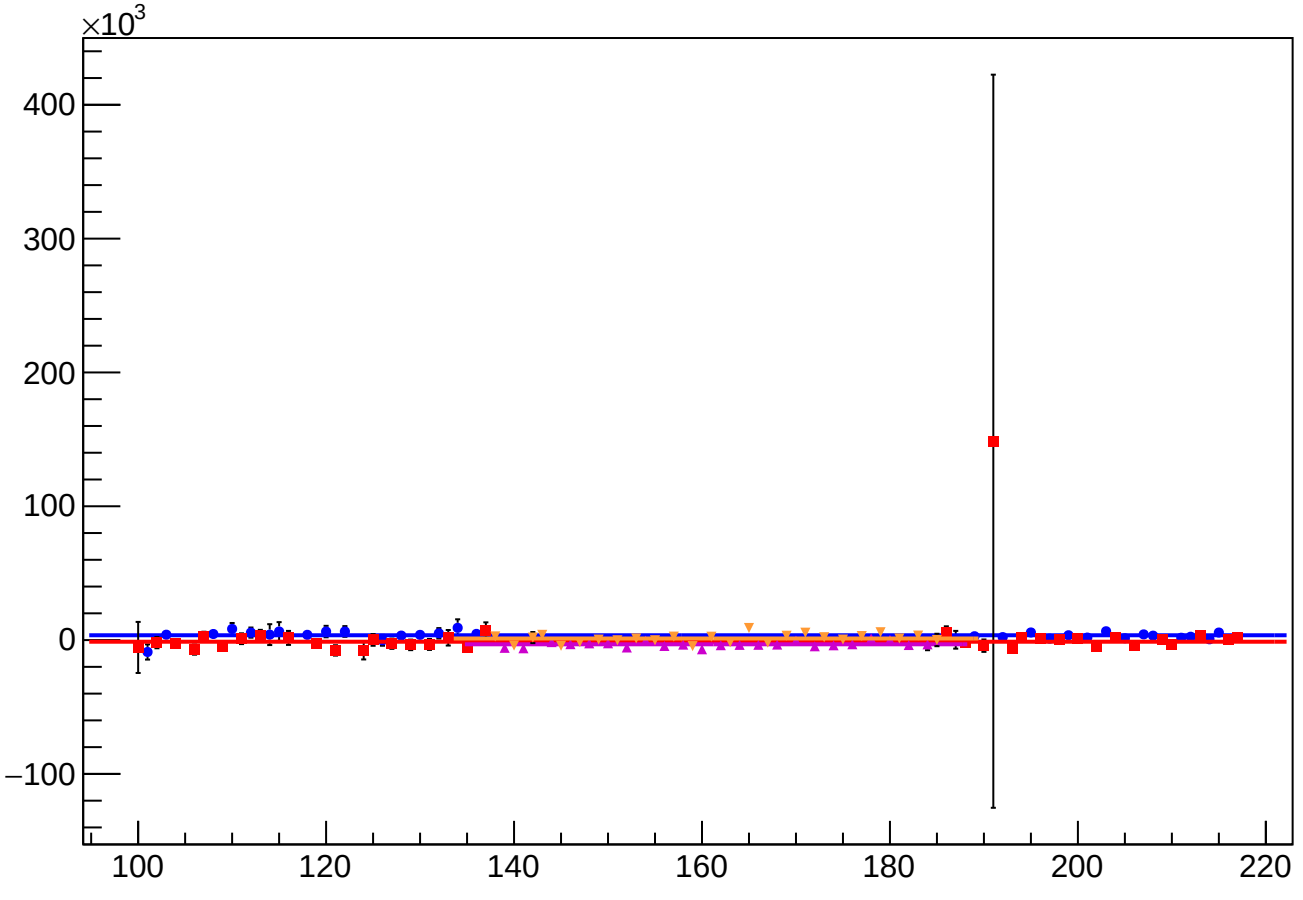
Right Out: 9107.103+/-1.561 χ^2/NDF: 6532574.5/35

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9315.122+/-1.103 χ^2/NDF: 5265372.0/55

All: 9115.446+/-0.769 χ^2/NDF: 13178907.9/1

- sign 8926.266+/-1.074 χ^2/NDF: 7849710.9/58



Right In: 3609.043+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.360+/-594.123 χ^2/NDF: 33.1/35

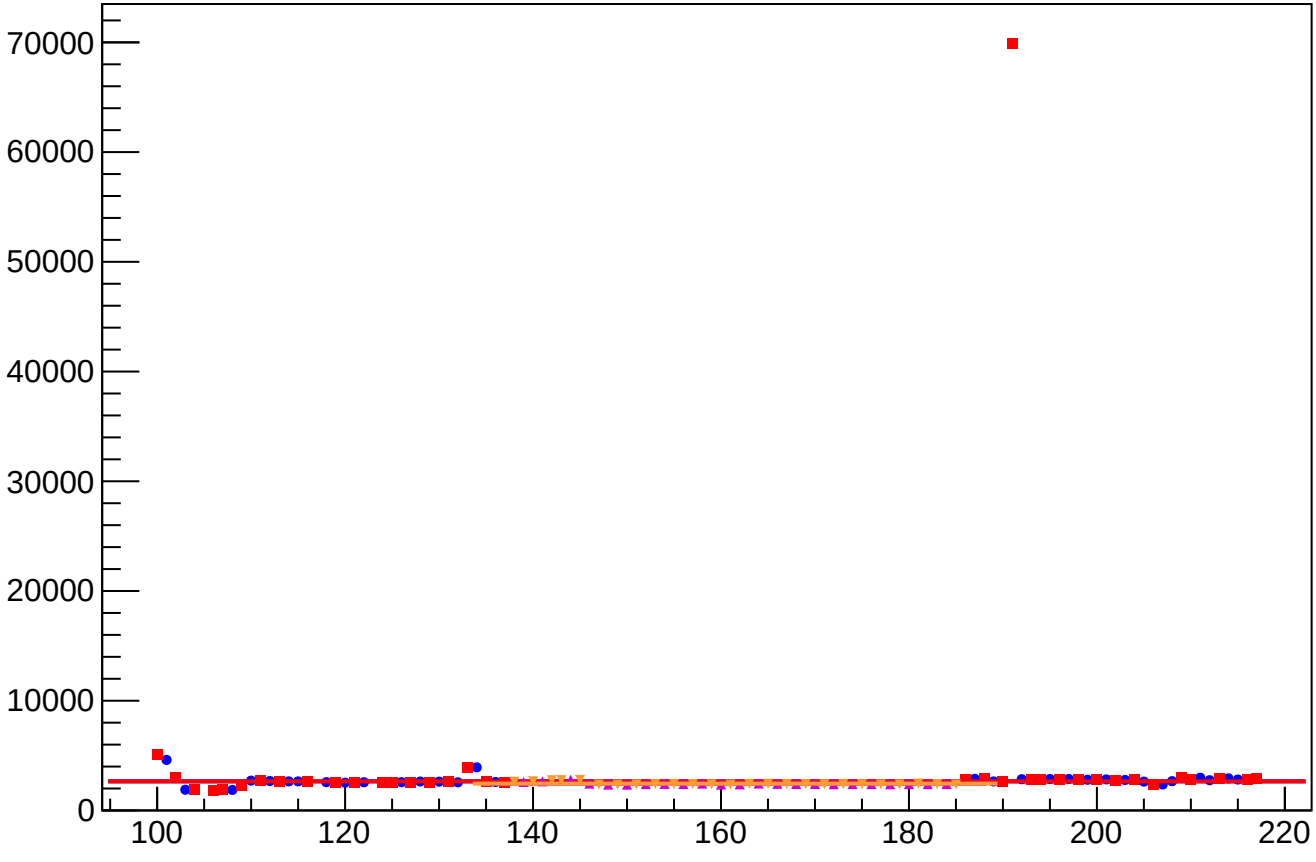
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2286.572+/-411.164 χ^2/NDF: 54.6/55

All: 29.518+/-290.687 χ^2/NDF: 166.1/114

- sign -2225.974+/-411.022 χ^2/NDF: 51.2/58

cor_asym_atr2_rms vs Slug



Right In: 2654.388+/-0.432 χ^2/NDF: 771400.8/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

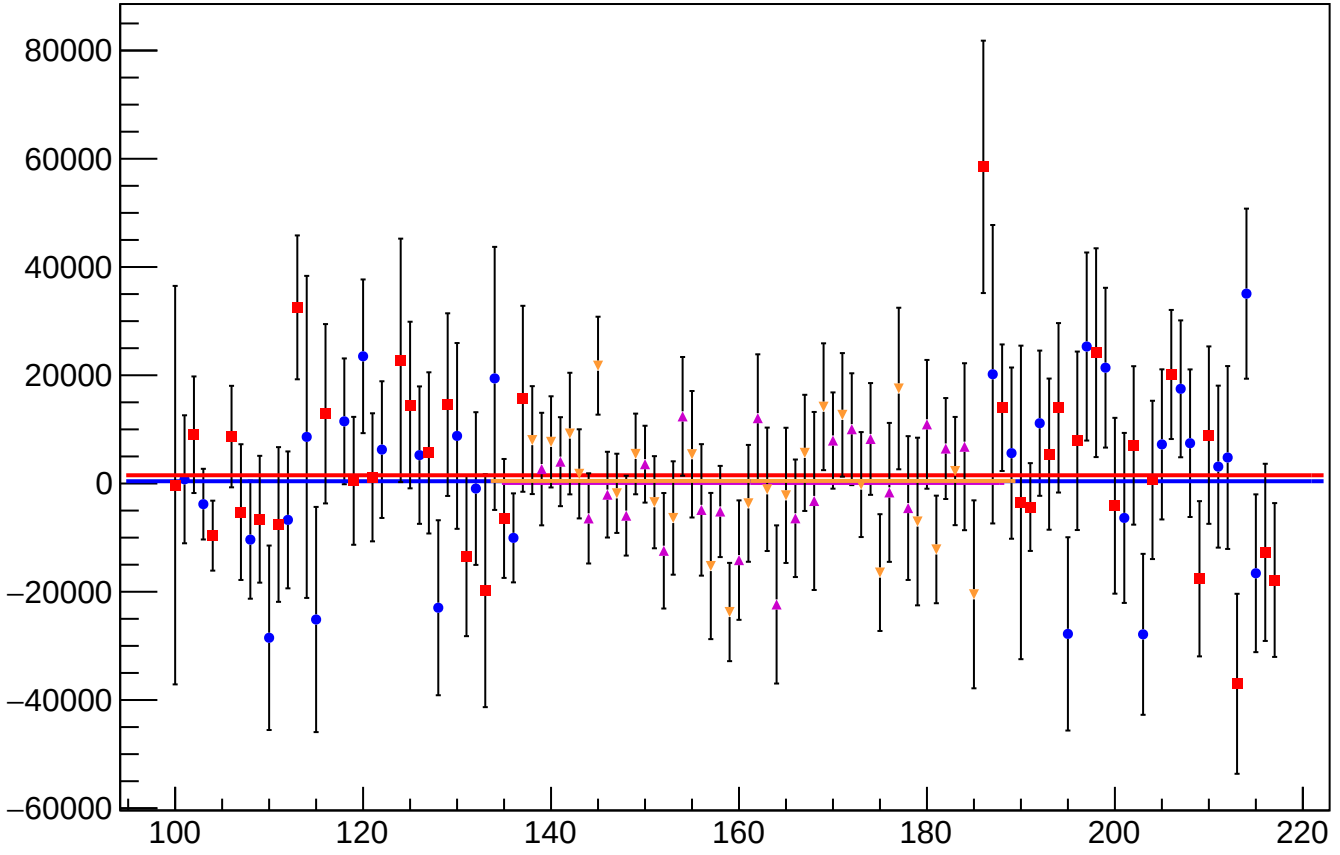
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2540.432+/-0.291 χ^2/NDF: 988958.9/55

All: 2539.245+/-0.206 χ^2/NDF: 2005016.4/11

- sign 2538.059+/-0.291 χ^2/NDF: 1016024.2/58

asym_atr2_cor_correction_mean vs Slug



Right In: 421.182+/-2427.107 χ^2/NDF: 34.9/30

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1522.661+/-2227.078 χ^2/NDF: 39.2/35

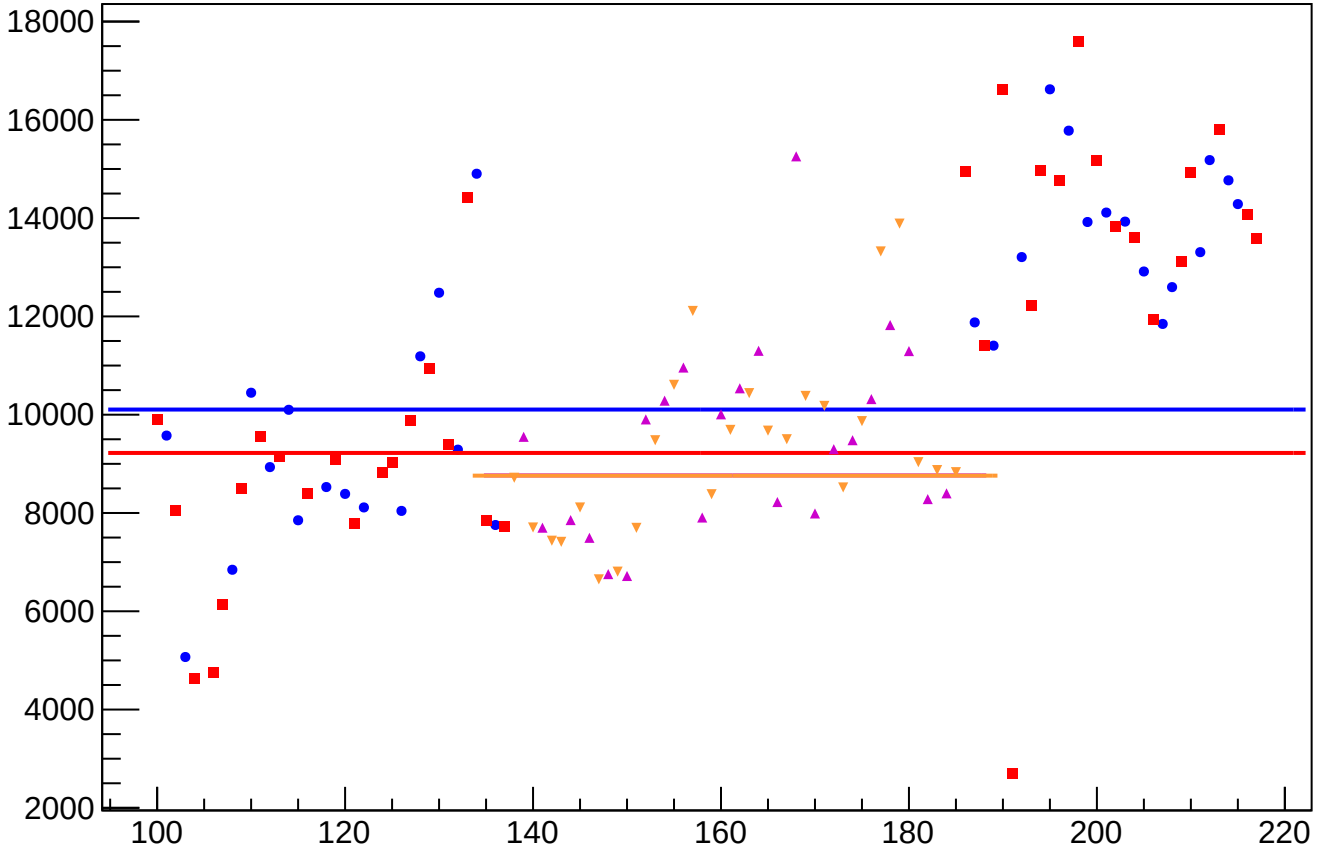
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 454.062+/-1559.837 χ^2/NDF: 62.3/55

All: 615.244+/-1090.211 χ^2/NDF: 116.3/114

- sign 769.178+/-1524.359 χ^2/NDF: 53.9/58

asym_atr2_cor_correction_rms vs Slug



Right In: 10104.793+/-1.716 χ^2/NDF: 3682034.3/30

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

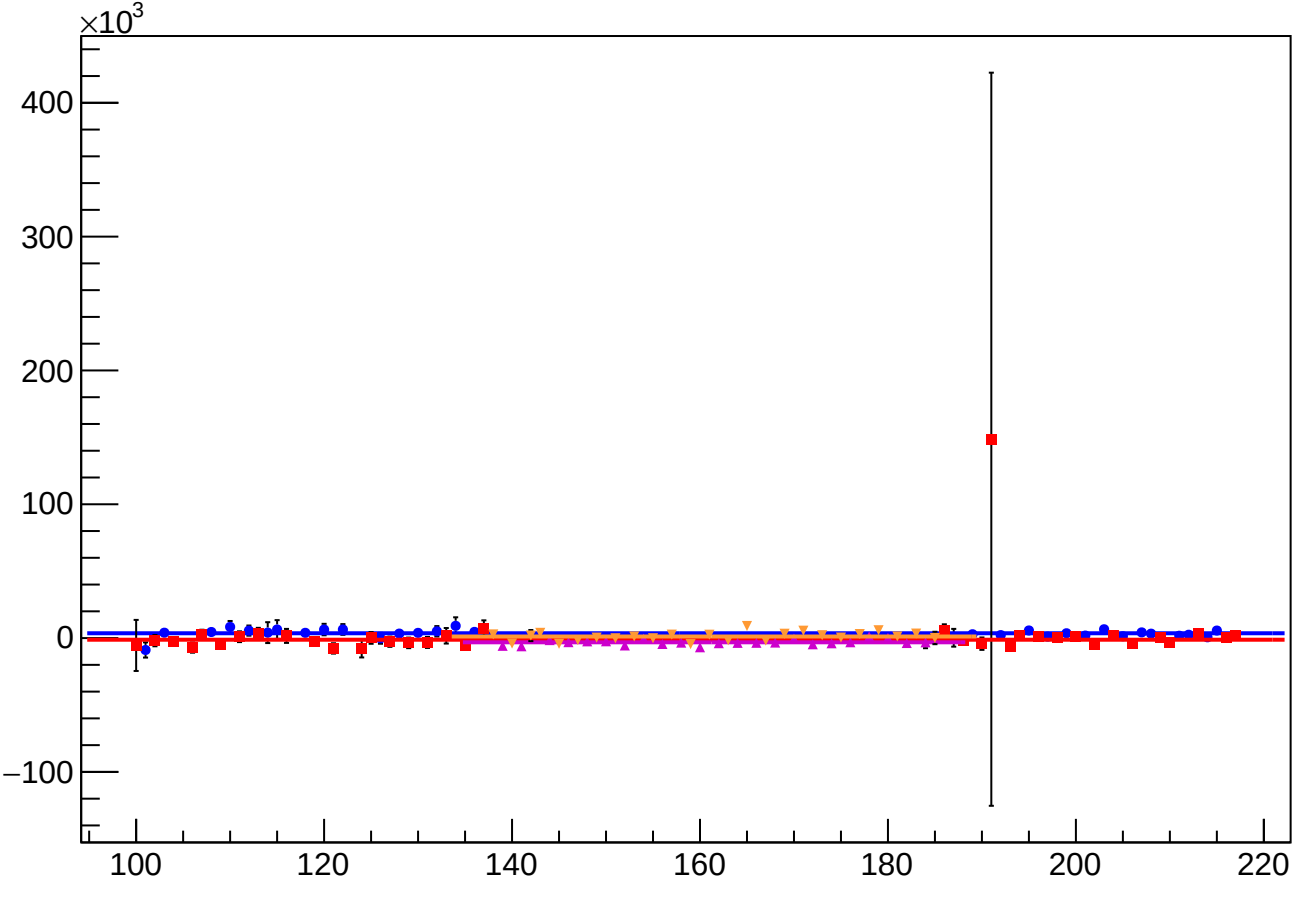
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9315.218+/-1.103 χ^2/NDF: 5264879.8/55

All: 9143.005+/-0.771 χ^2/NDF: 12888616.9/1

- sign 8978.536+/-1.078 χ^2/NDF: 7576076.5/58

eigen_cor_asym_atr2_mean vs Slug



Right In: 3609.043+/-610.484 χ^2/NDF: 14.9/30

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1222.360+/-594.123 χ^2/NDF: 33.1/35

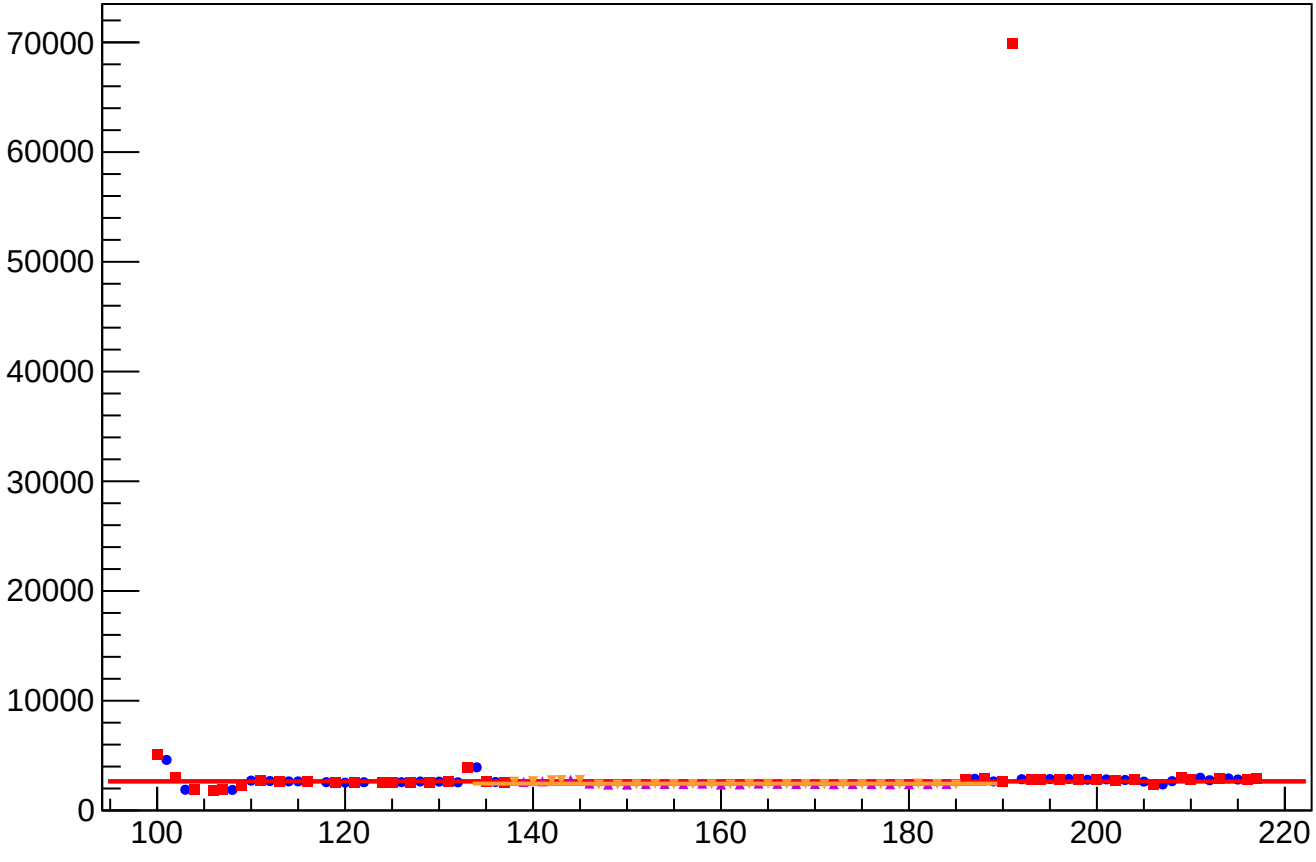
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2286.572+/-411.164 χ^2/NDF: 54.6/55

All: 29.518+/-290.687 χ^2/NDF: 166.1/114

- sign -2225.974+/-411.022 χ^2/NDF: 51.2/58

eigen_cor_asym_atr2_rms vs Slug



Right In: 2654.388+/-0.432 χ^2/NDF: 771400.8/30

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2649.296+/-0.420 χ^2/NDF: 822368.0/35

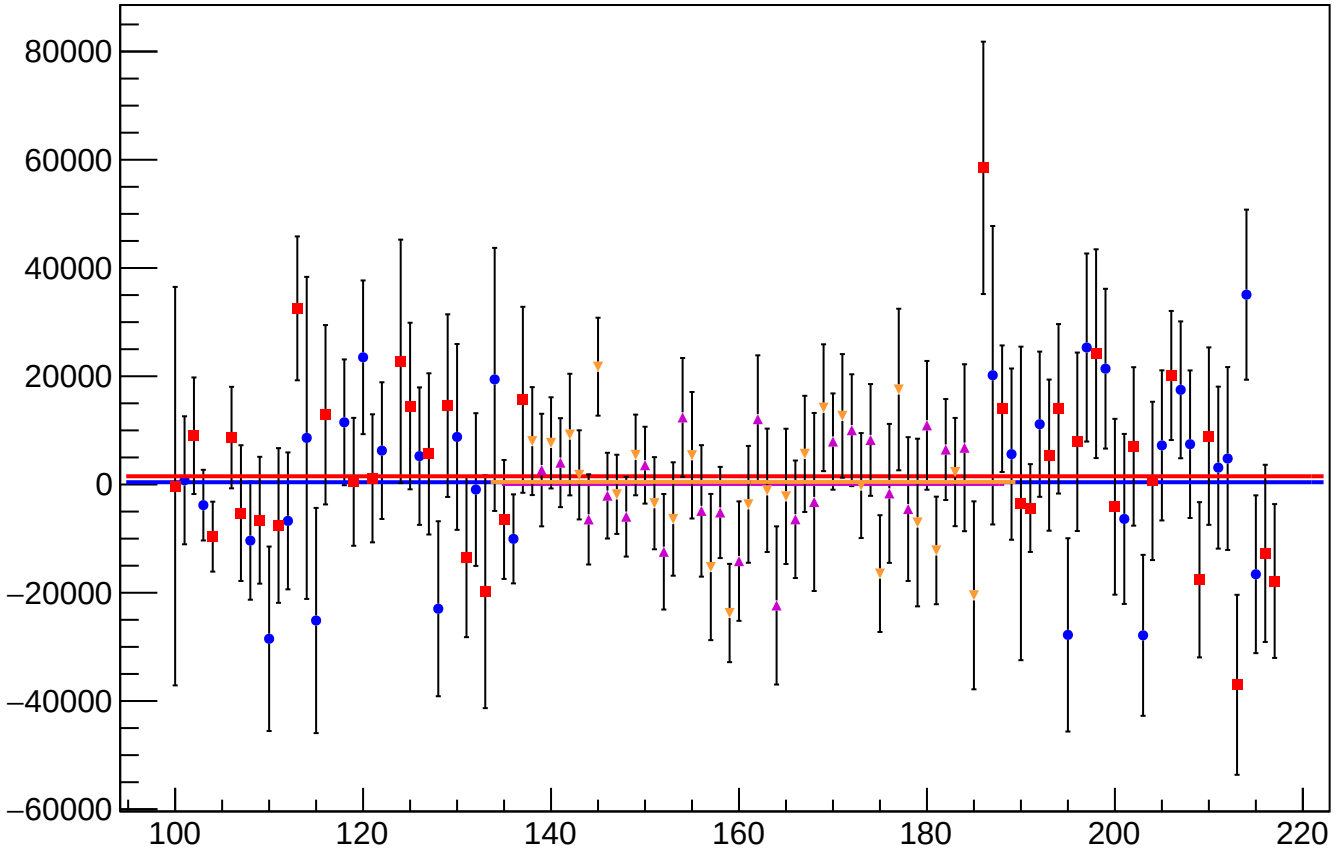
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2540.432+/-0.291 χ^2/NDF: 988958.9/55

All: 2539.245+/-0.206 χ^2/NDF: 2005016.4/11

- sign 2538.059+/-0.291 χ^2/NDF: 1016024.2/58

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 421.182+/-2427.107 χ^2/NDF: 34.9/30

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1522.661+/-2227.078 χ^2/NDF: 39.2/35

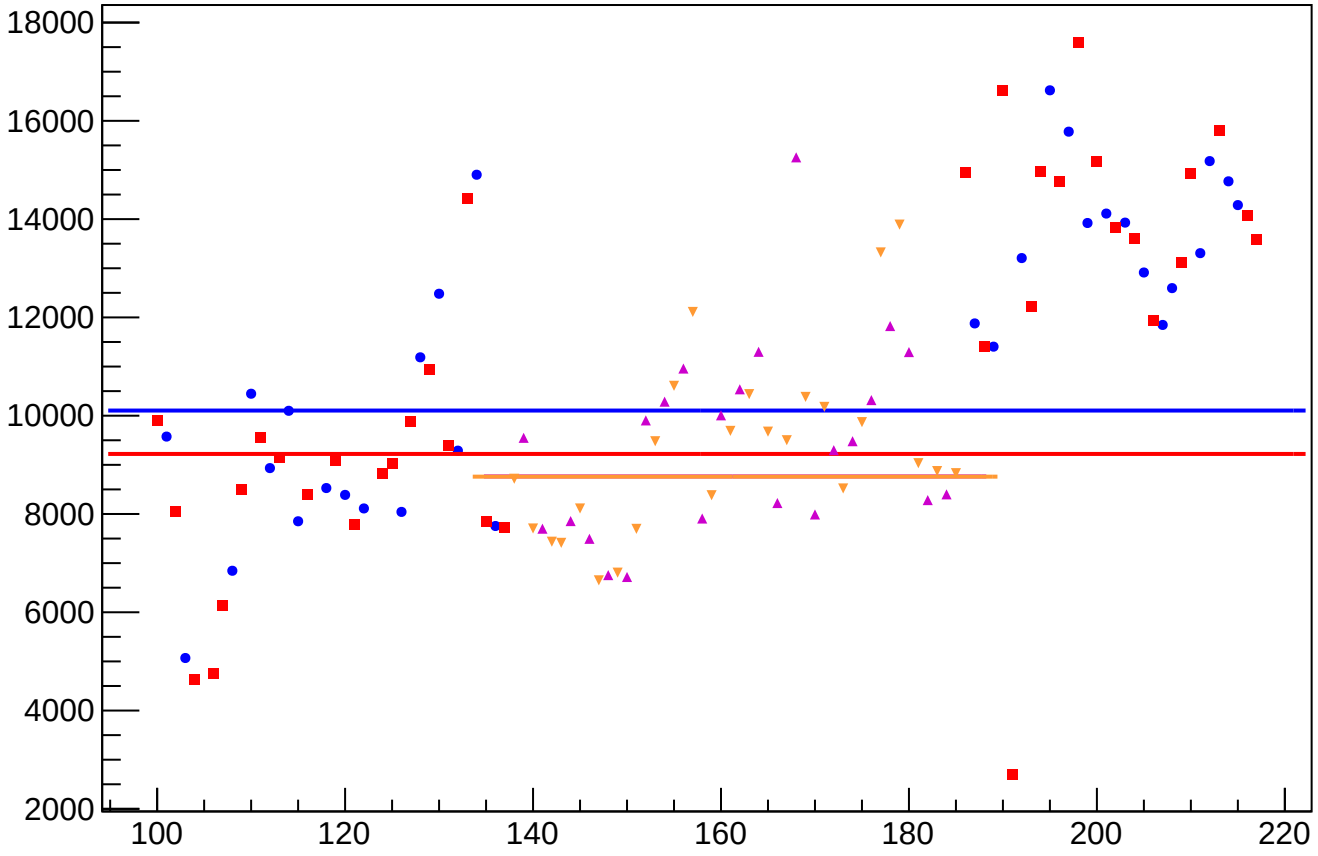
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 454.062+/-1559.837 χ^2/NDF: 62.3/55

All: 615.244+/-1090.211 χ^2/NDF: 116.3/114

- sign 769.178+/-1524.359 χ^2/NDF: 53.9/58

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 10104.793+/-1.716 χ^2/NDF: 3682034.3/30

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9221.777+/-1.575 χ^2/NDF: 6239488.6/35

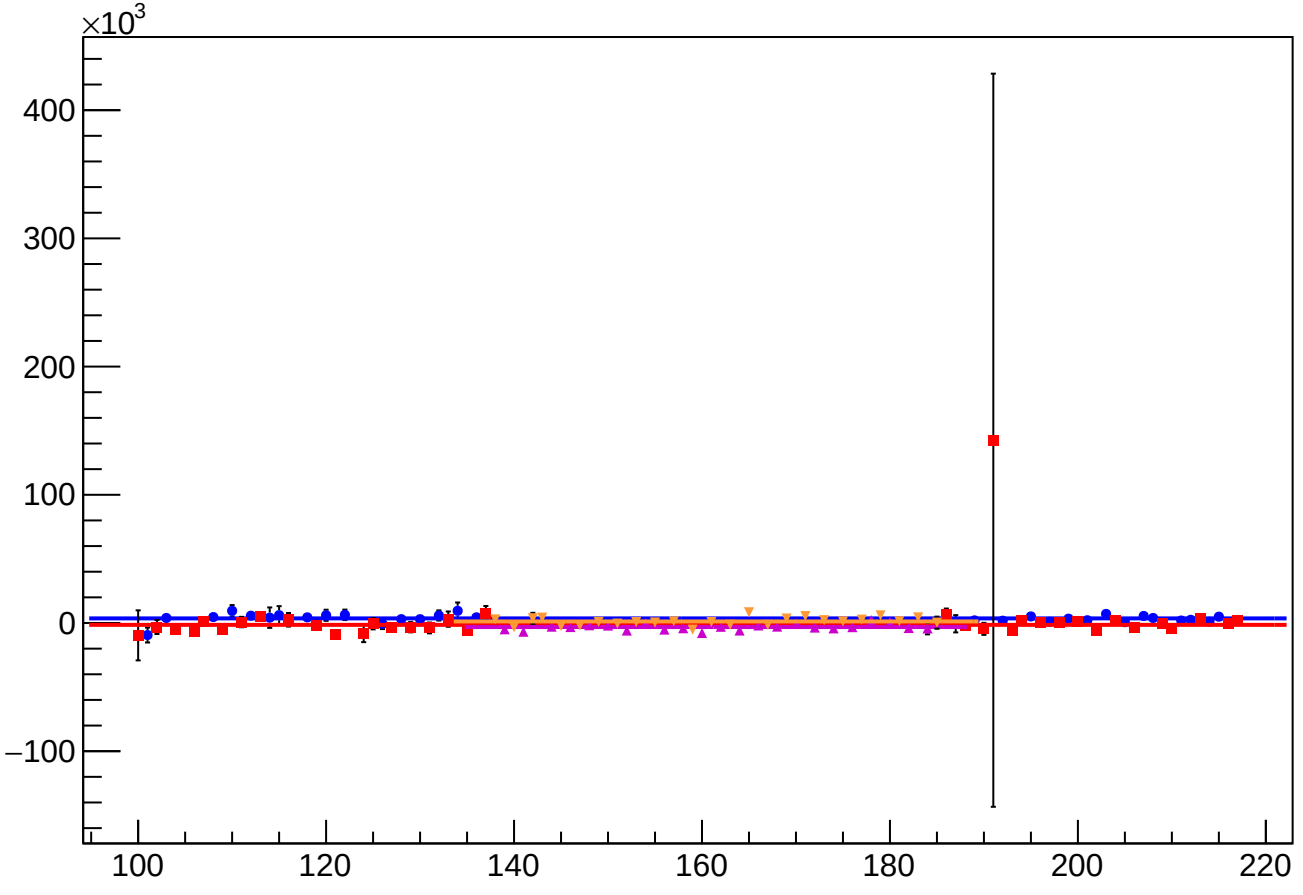
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9315.218+/-1.103 χ^2/NDF: 5264879.8/55

All: 9143.005+/-0.771 χ^2/NDF: 12888616.9/1

- sign 8978.536+/-1.078 χ^2/NDF: 7576076.5/58

dit_asym_atr2_mean vs Slug



Right In: 3587.820+/-626.609 χ^2/NDF: 16.7/30

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1451.700+/-611.516 χ^2/NDF: 37.2/35

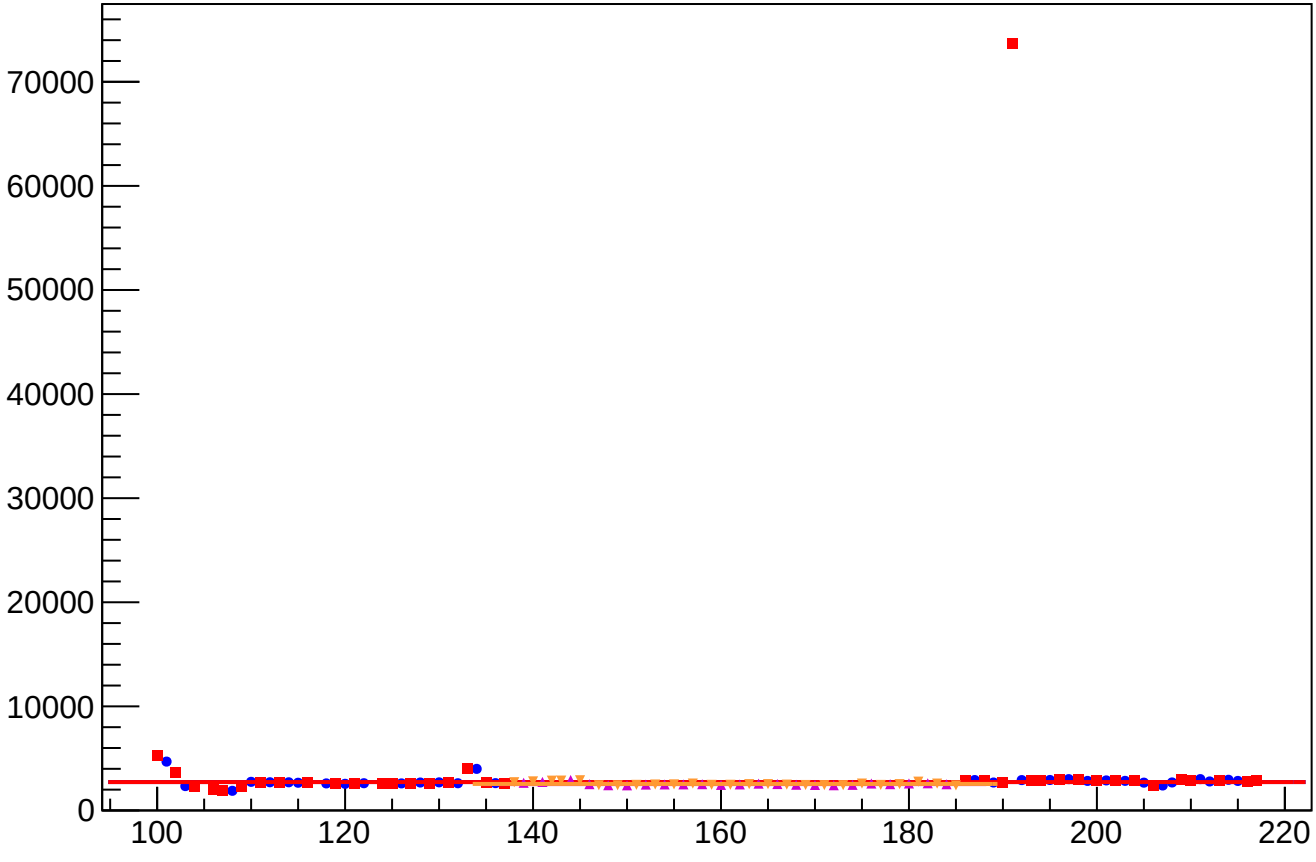
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2308.658+/-425.525 χ^2/NDF: 51.3/55

All: -10.625+/-300.841 χ^2/NDF: 168.3/114

- sign -2328.352+/-425.383 χ^2/NDF: 57.7/58

dit_asym_atr2_rms vs Slug



Right In: 2729.666+/-0.443 χ^2/NDF: 614431.8/30

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2726.715+/-0.432 χ^2/NDF: 706836.4/35

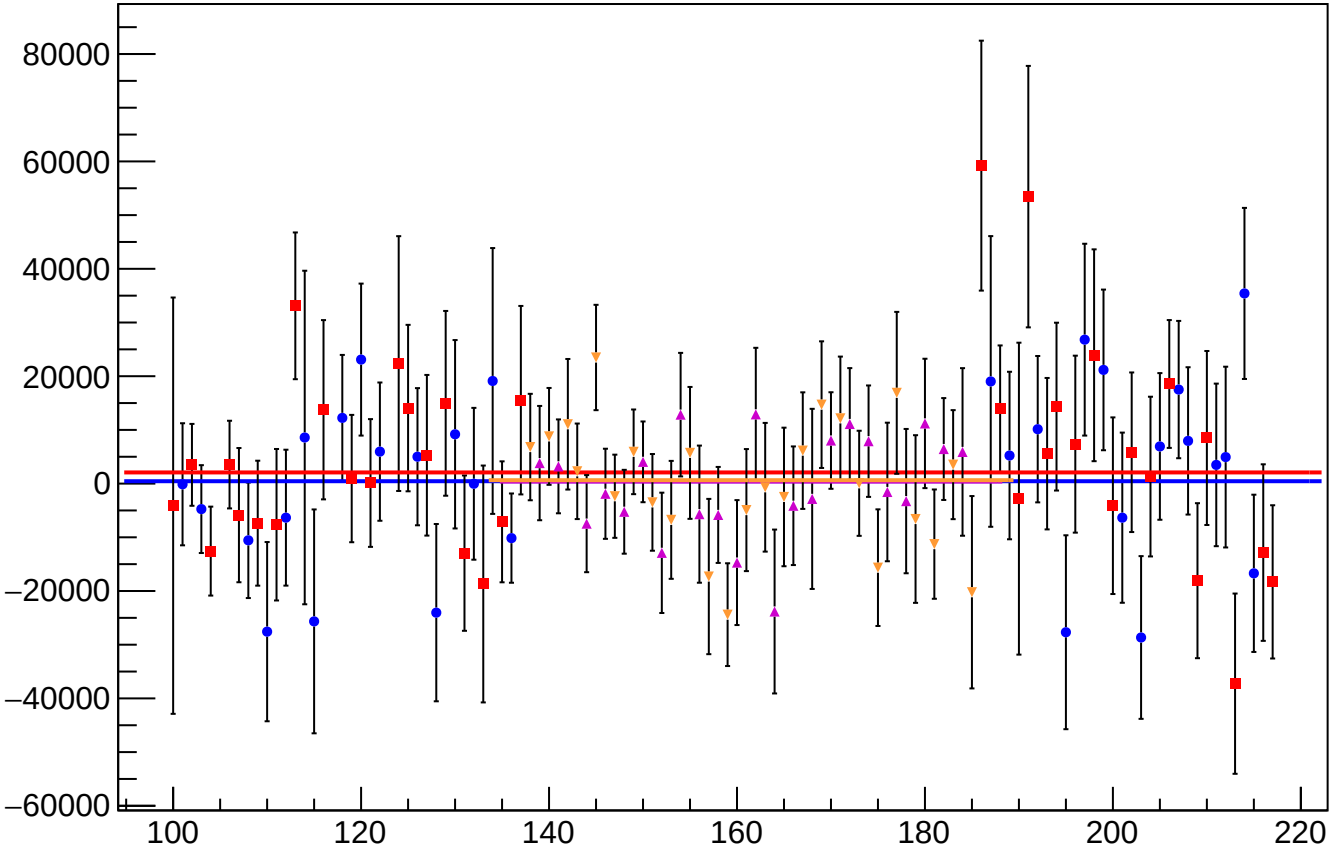
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2631.323+/-0.301 χ^2/NDF: 823157.1/55

All: 2628.981+/-0.213 χ^2/NDF: 1702406.9/11

- sign 2626.641+/-0.301 χ^2/NDF: 879128.7/58

asym_atr2_dit_correction_mean vs Slug



Right In: 445.316+/-2499.072 χ^2/NDF: 34.8/30

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2080.330+/-2299.972 χ^2/NDF: 41.7/35

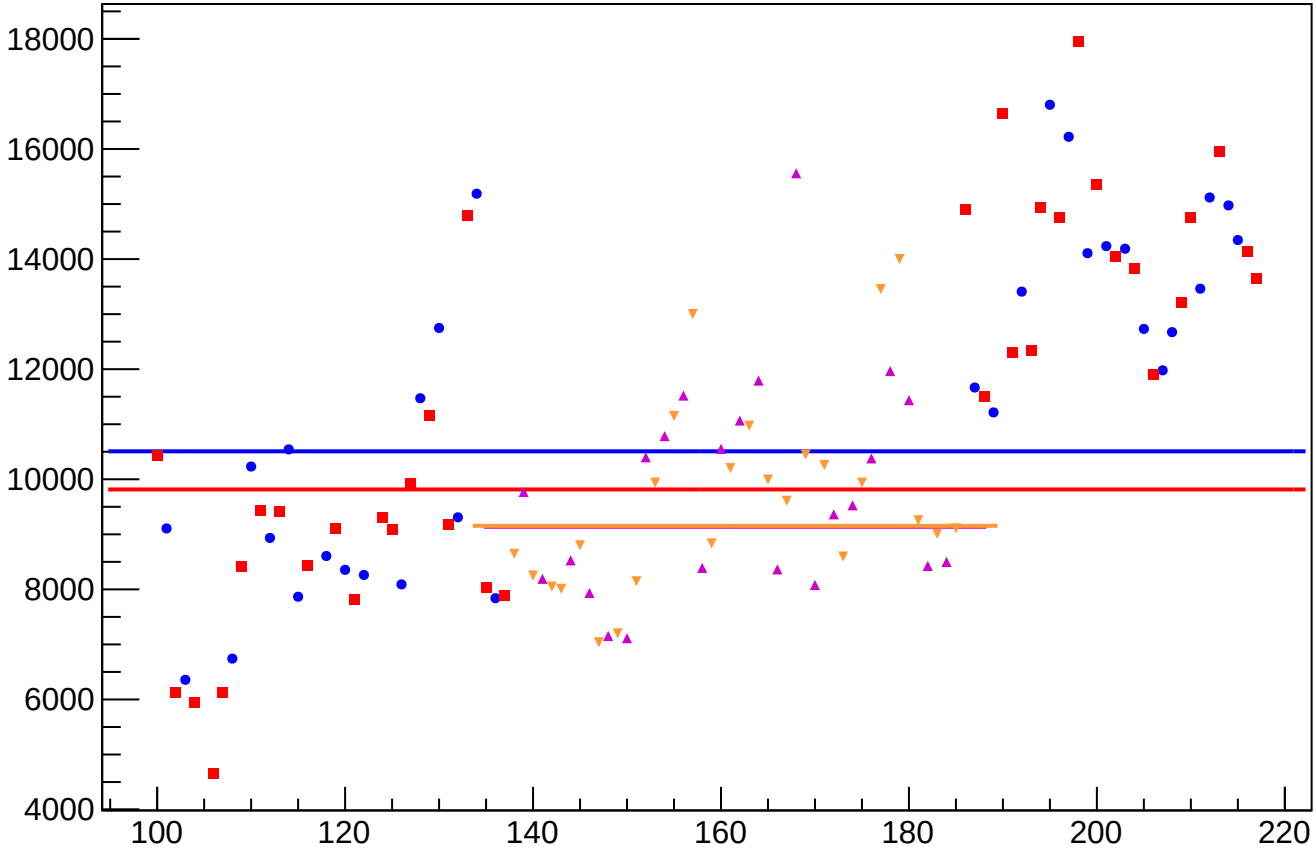
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 553.372+/-1618.029 χ^2/NDF: 61.5/55

All: 875.074+/-1130.730 χ^2/NDF: 117.8/114

- sign 1182.145+/-1580.808 χ^2/NDF: 56.2/58

asym_atr2_dit_correction_rms vs Slug



Right In: 10507.951+/-1.767 χ^2/NDF: 2958056.6/30

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9815.085+/-1.626 χ^2/NDF: 4696415.8/35

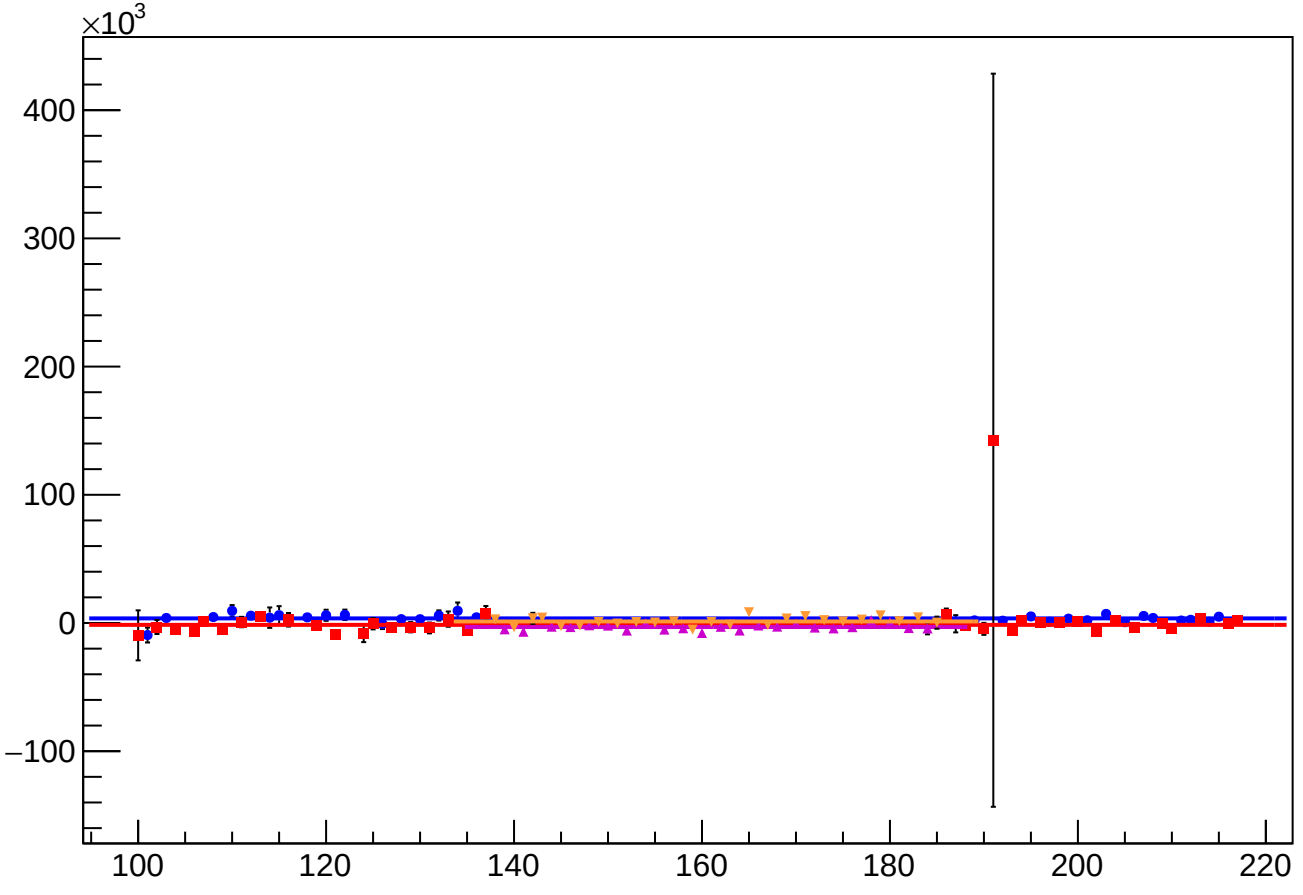
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9721.968+/-1.144 χ^2/NDF: 4370749.0/55

All: 9586.725+/-0.800 χ^2/NDF: 10358829.5/1

- sign 9457.634+/-1.118 χ^2/NDF: 5960770.4/58

eigen_dit_asym_atr2_mean vs Slug



Right In: 3587.813+/-626.609 χ^2/NDF: 16.7/30

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1451.705+/-611.516 χ^2/NDF: 37.2/35

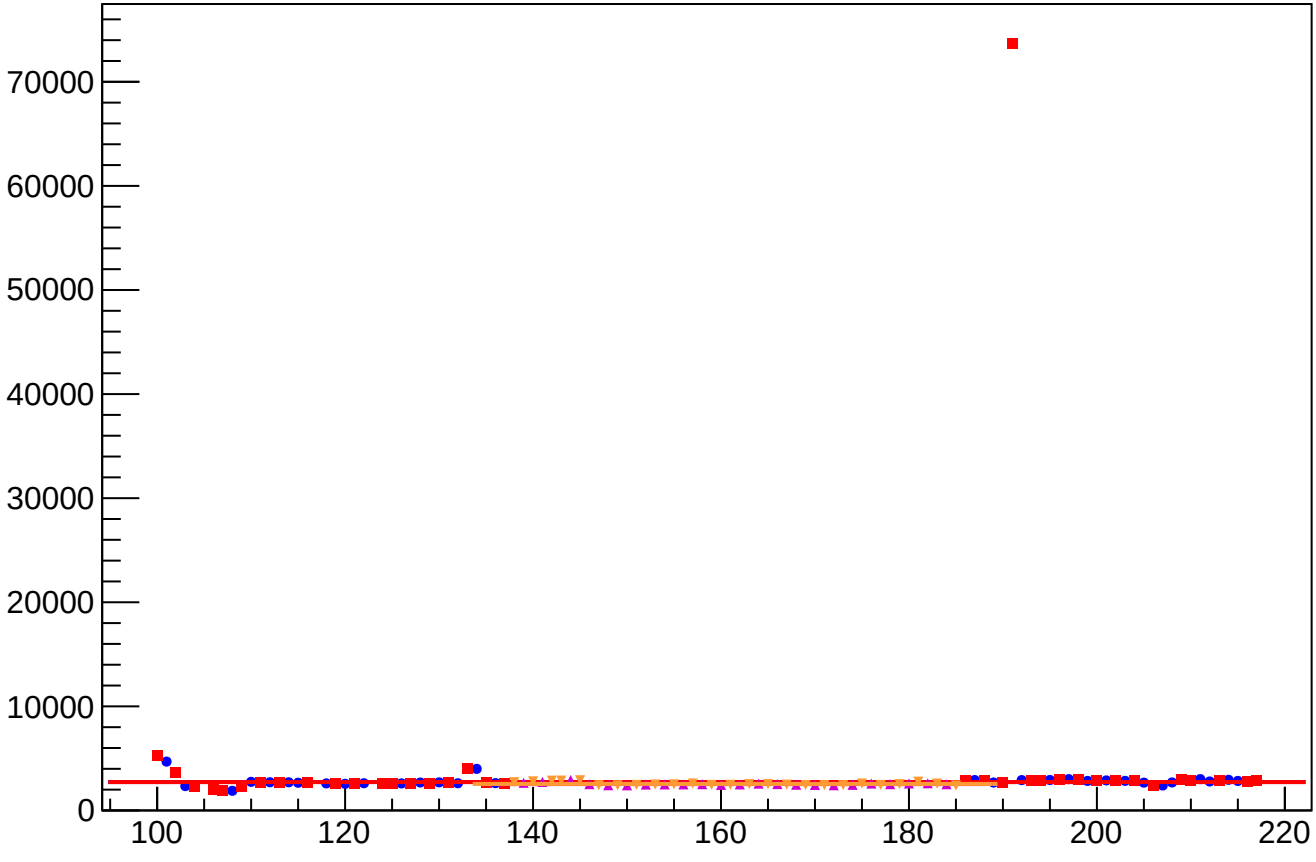
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2308.650+/-425.525 χ^2/NDF: 51.3/55

All: -10.630+/-300.841 χ^2/NDF: 168.3/114

- sign -2328.353+/-425.383 χ^2/NDF: 57.7/58

eigen_dit_asym_atr2_rms vs Slug



Right In: 2729.666+/-0.443 χ^2/NDF: 614432.7/30

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2726.715+/-0.432 χ^2/NDF: 706836.3/35

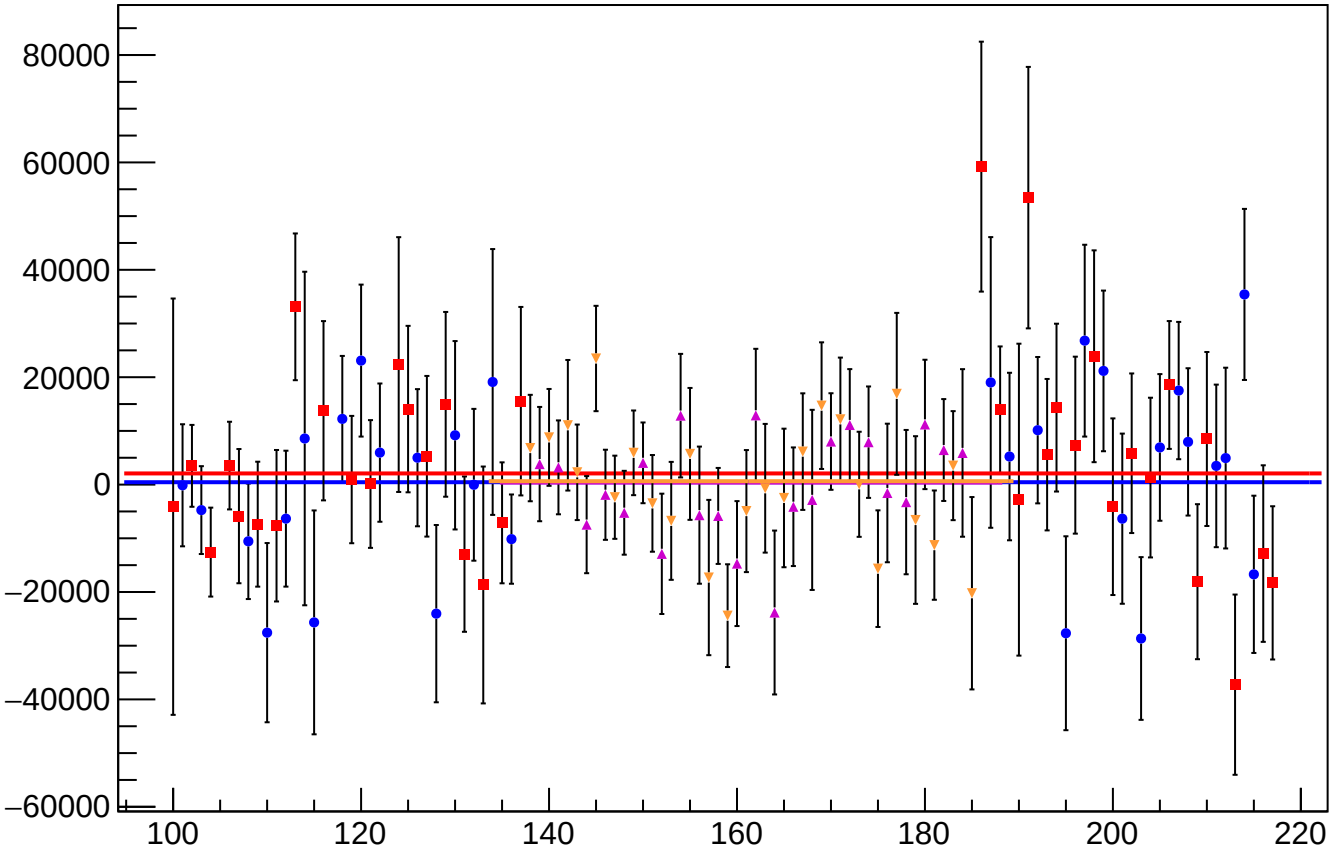
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2631.323+/-0.301 χ^2/NDF: 823155.9/55

All: 2628.982+/-0.213 χ^2/NDF: 1702403.3/11

- sign 2626.642+/-0.301 χ^2/NDF: 879126.3/58

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 445.330+/-2499.072 χ^2/NDF: 34.8/30

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2080.323+/-2299.971 χ^2/NDF: 41.7/35

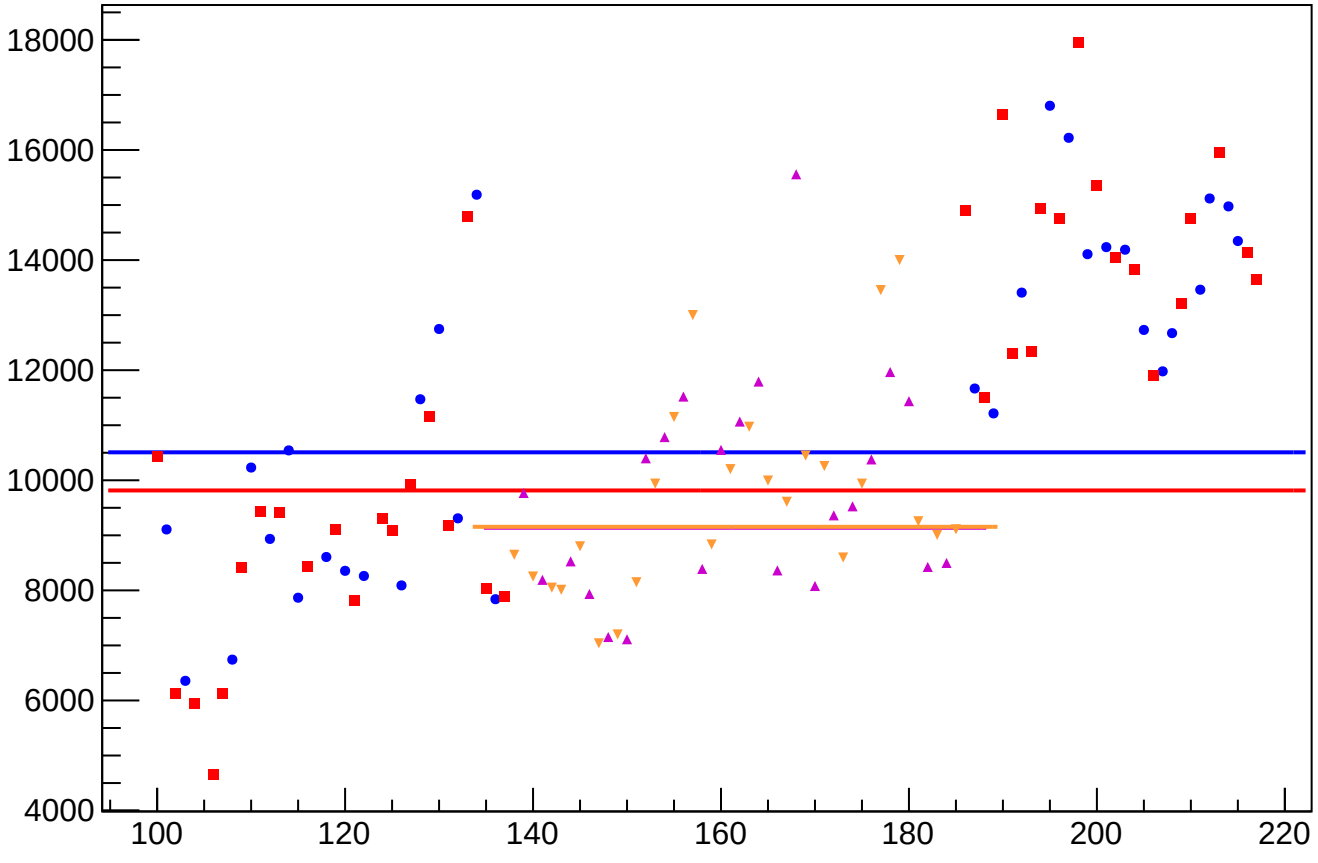
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign 553.375+/-1618.030 χ^2/NDF: 61.5/55

All: 875.076+/-1130.731 χ^2/NDF: 117.8/114

\- sign 1182.147+/-1580.809 χ^2/NDF: 56.2/58

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10507.946+/-1.767 χ^2/NDF: 2958073.8/30

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9815.076+/-1.626 χ^2/NDF: 4696441.2/35

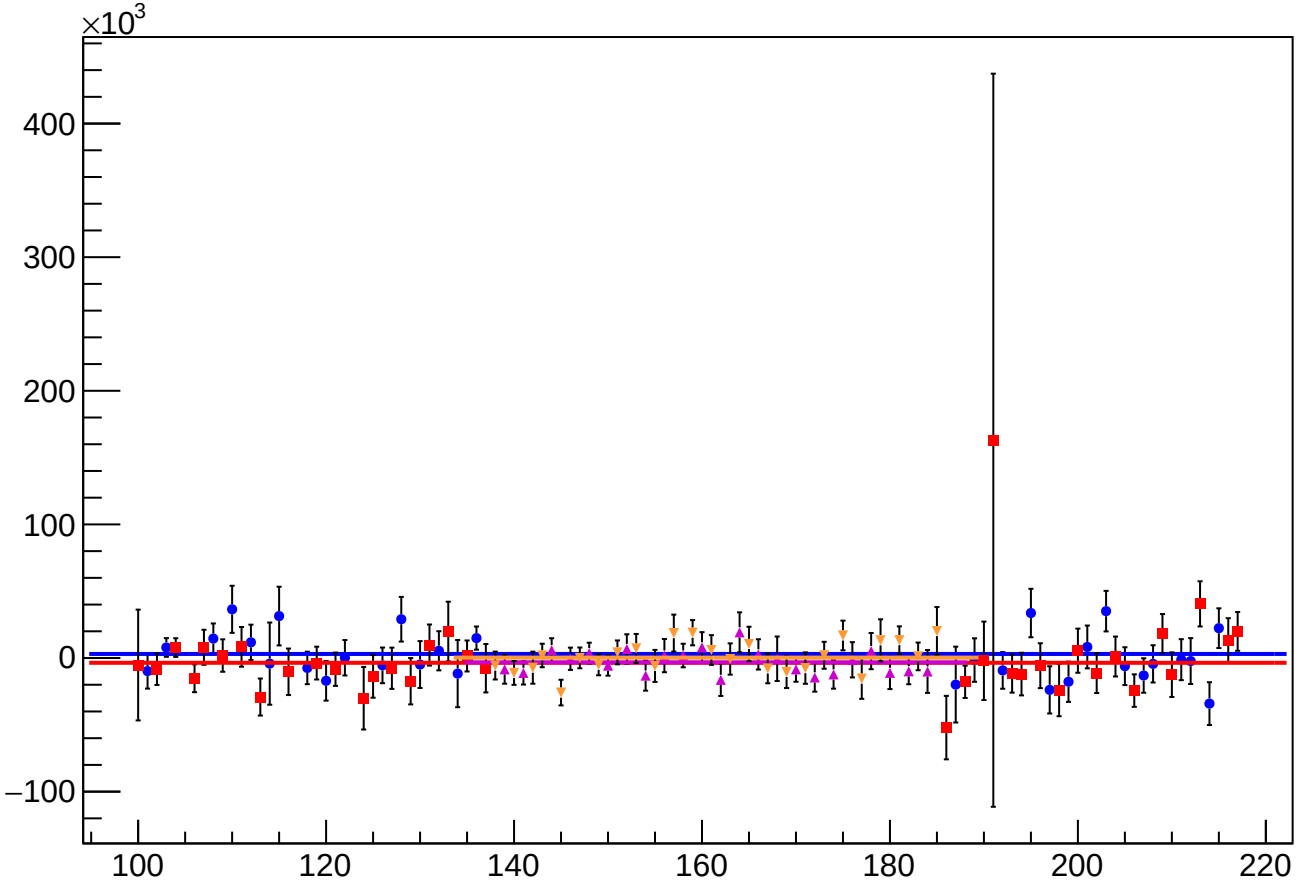
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9721.975+/-1.144 χ^2/NDF: 4370757.7/55

All: 9586.731+/-0.800 χ^2/NDF: 10358861.8/1

- sign 9457.637+/-1.118 χ^2/NDF: 5960793.2/58

asym_atr2_mean vs Slug



Right In: 3049.041+/-2526.031 χ^2/NDF: 38.8/30

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3563.601+/-2422.676 χ^2/NDF: 38.0/35

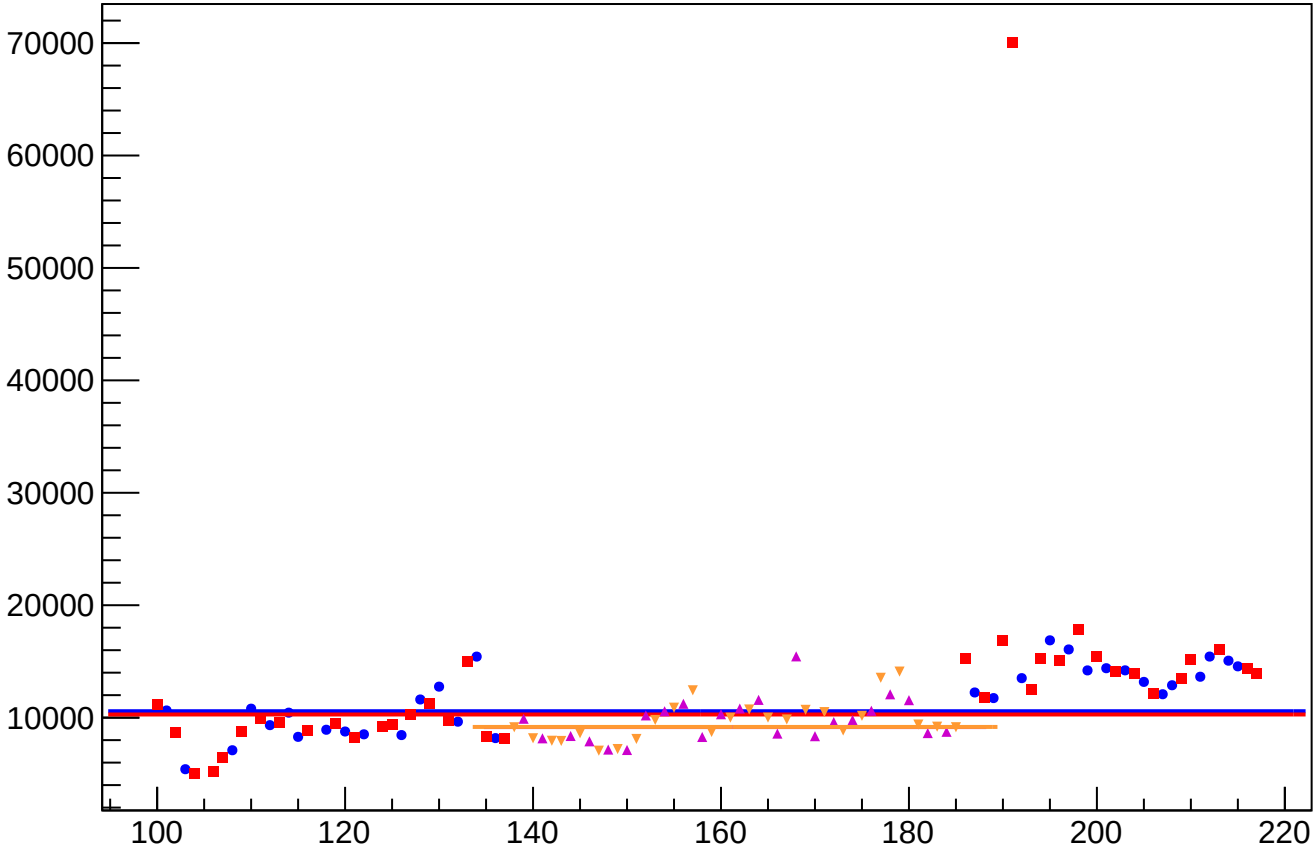
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1436.572+/-1626.300 χ^2/NDF: 65.8/55

All: -981.028+/-1147.895 χ^2/NDF: 121.8/114

- sign -3381.275+/-1620.453 χ^2/NDF: 51.6/58

asym_atr2_rms vs Slug



Right In: 10571.374+/-1.786 χ^2/NDF: 3343612.2/30

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10280.987+/-1.713 χ^2/NDF: 4415931.0/35

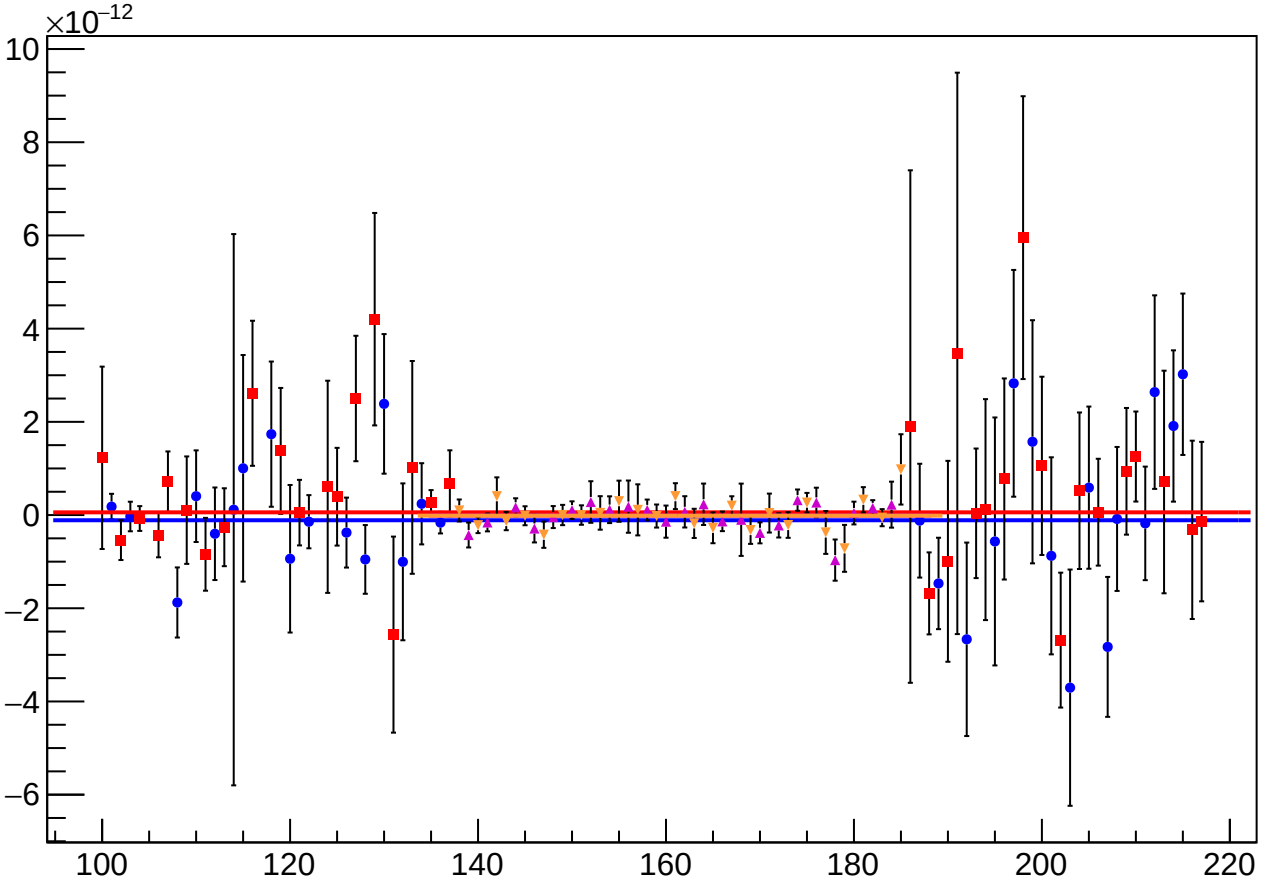
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9752.524+/-1.150 χ^2/NDF: 4759509.7/55

All: 9707.491+/-0.812 χ^2/NDF: 10541701.3/1

- sign 9662.783+/-1.146 χ^2/NDF: 5779135.6/58

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/35

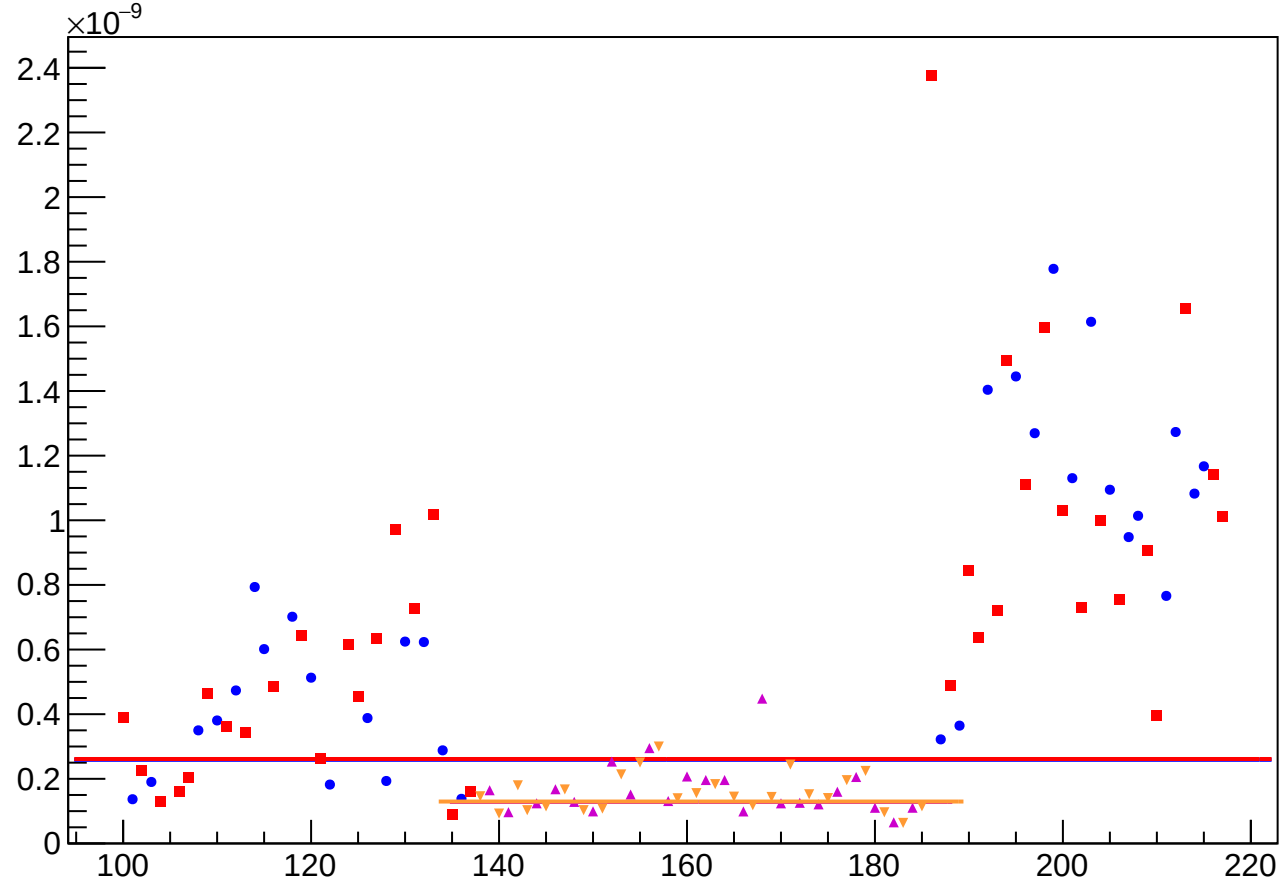
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/55

All: -0.000+/-0.000 χ^2/NDF: 104.7/114

- sign -0.000+/-0.000 χ^2/NDF: 53.5/58

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7997624.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7872953.8/35

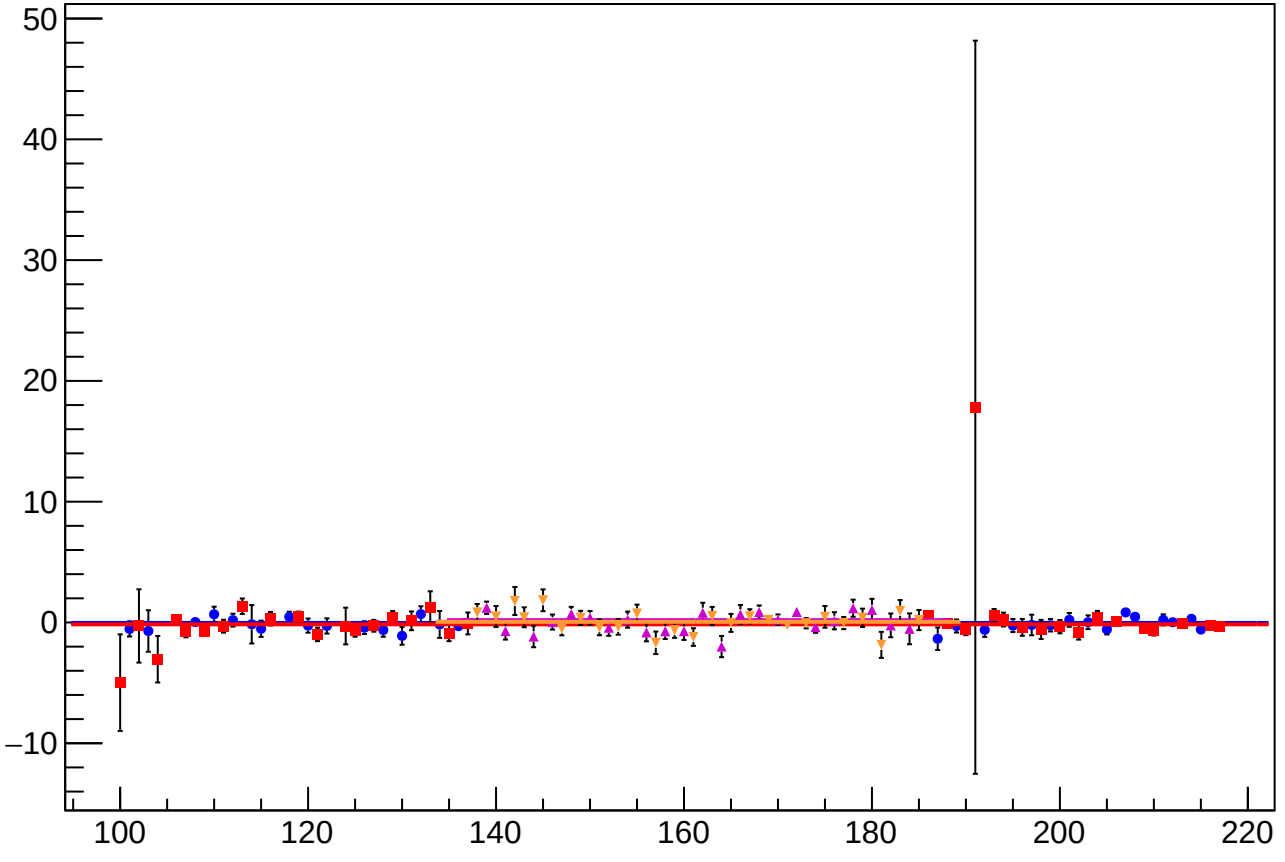
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11128668.7/55

All: 0.000+/-0.000 χ^2/NDF: 22280666.1/114

- sign 0.000+/-0.000 χ^2/NDF: 11151915.3/58

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

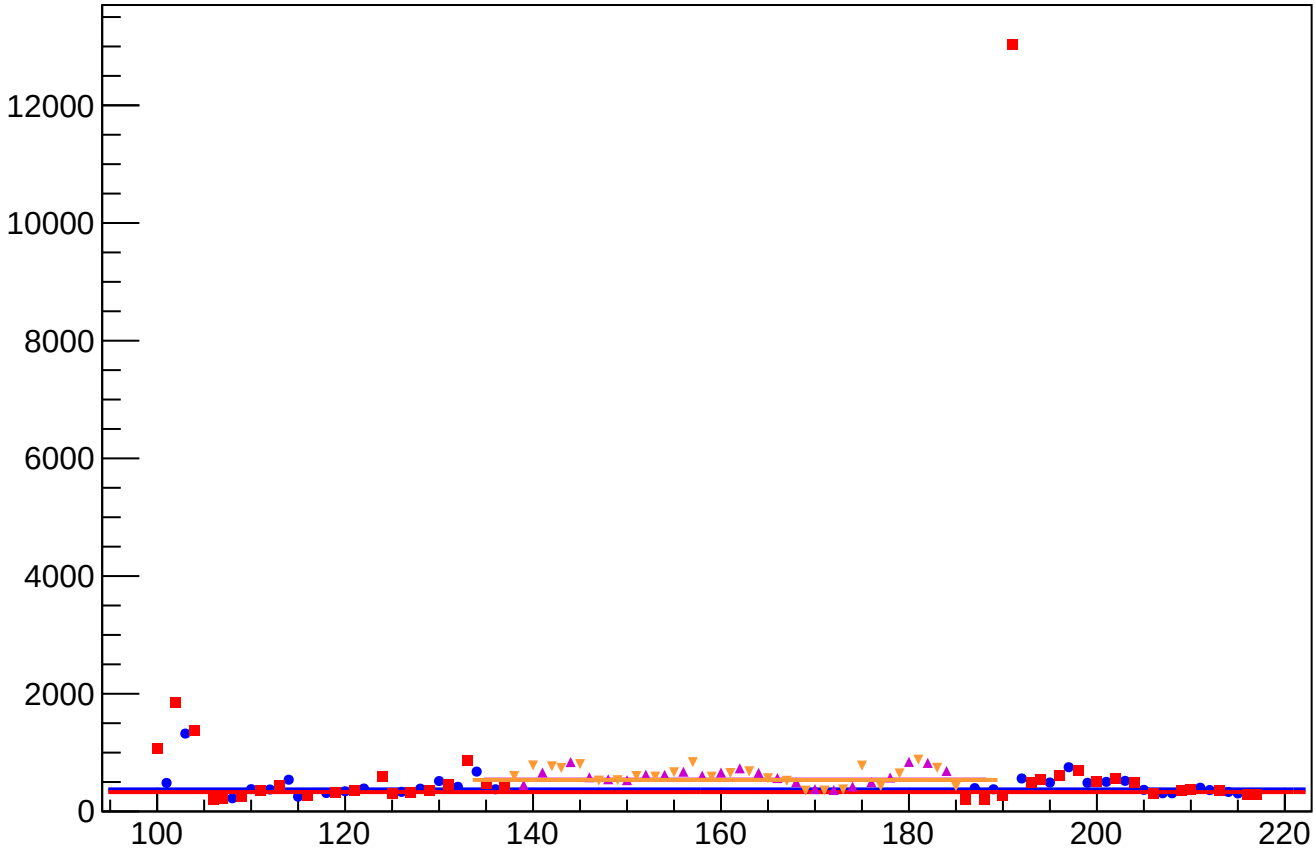
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.008+/-0.074 χ^2/NDF: 53.3/55

All: -0.036+/-0.051 χ^2/NDF: 126.8/114

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 374.785+/-0.064 χ^2/NDF: 2689168.0/30

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

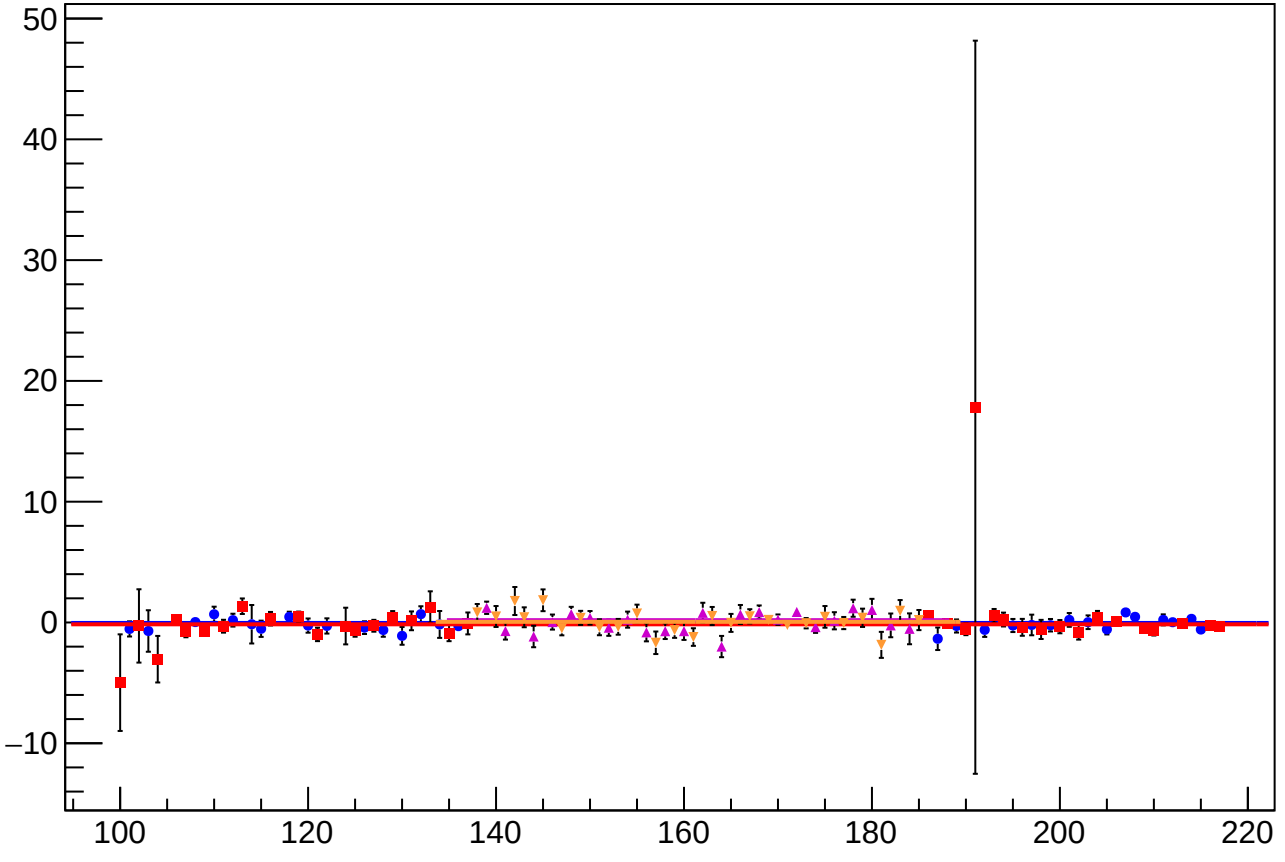
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 427.762+/-0.053 χ^2/NDF: 7518073.6/55

All: 405.246+/-0.036 χ^2/NDF: 19056681.1/11

- sign 385.802+/-0.049 χ^2/NDF: 11195858.8/58

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

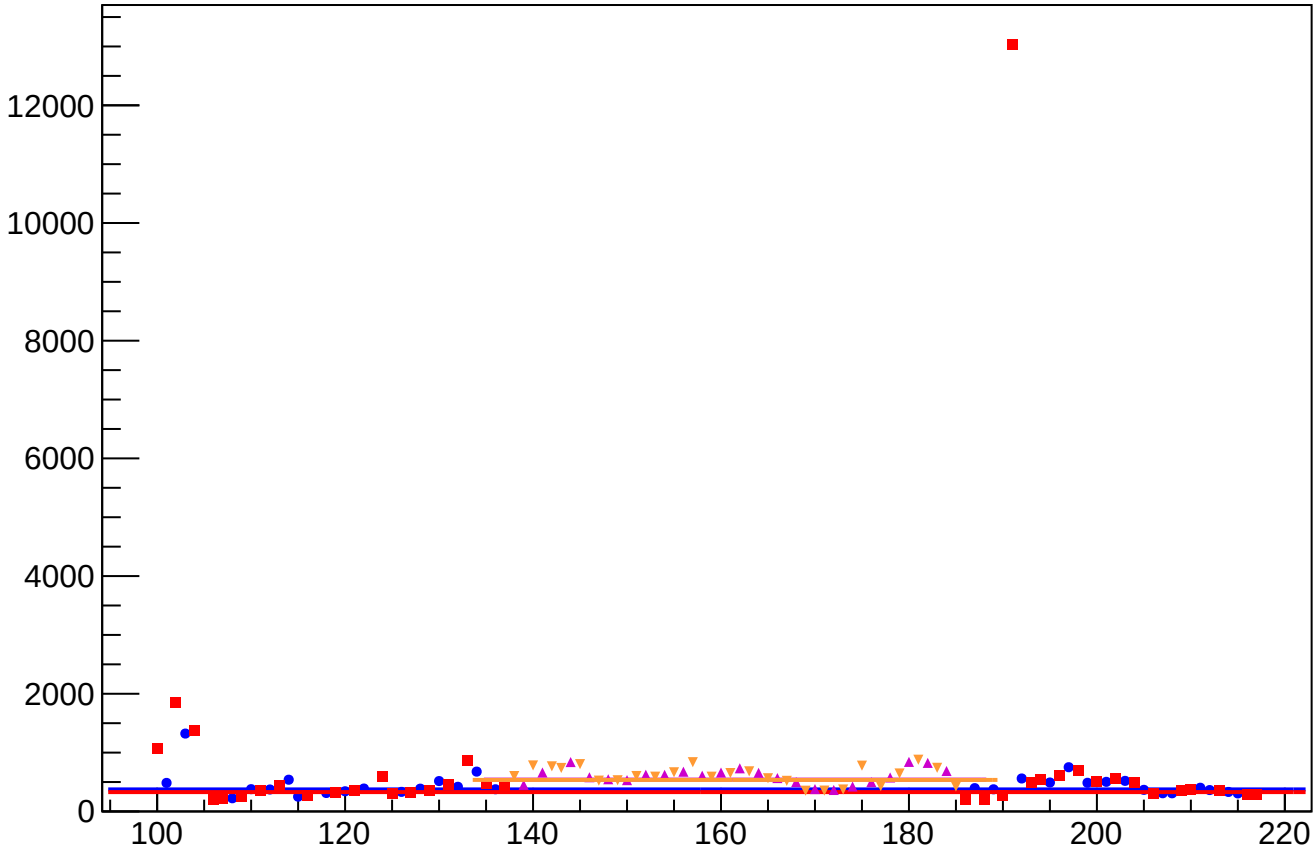
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.008+/-0.074 χ^2/NDF: 53.3/55

All: -0.036+/-0.051 χ^2/NDF: 126.8/114

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 374.785+/-0.064 χ^2/NDF: 2689168.0/30

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

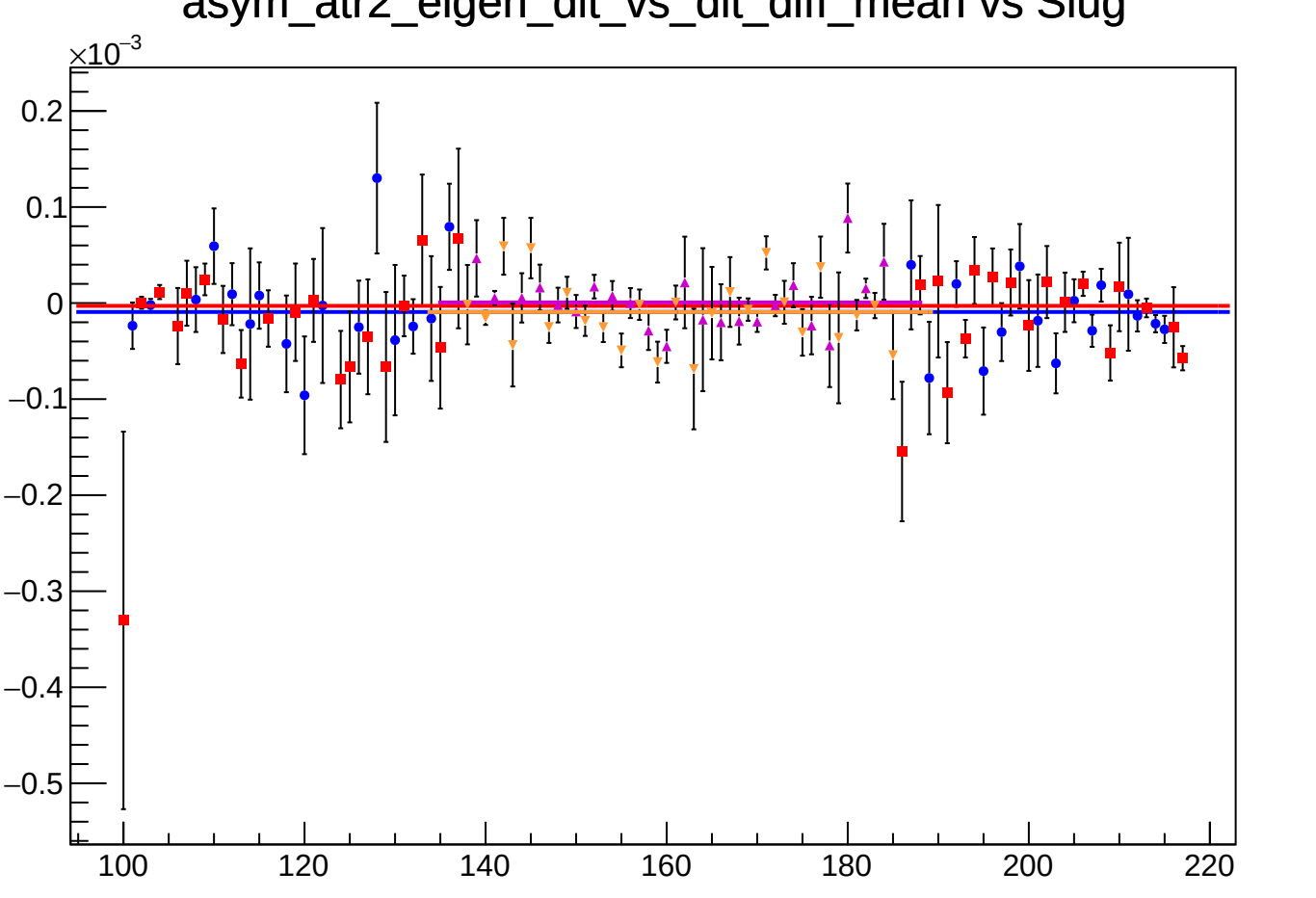
Right Out: 328.880+/-0.057 χ^2/NDF: 5584330.7/35

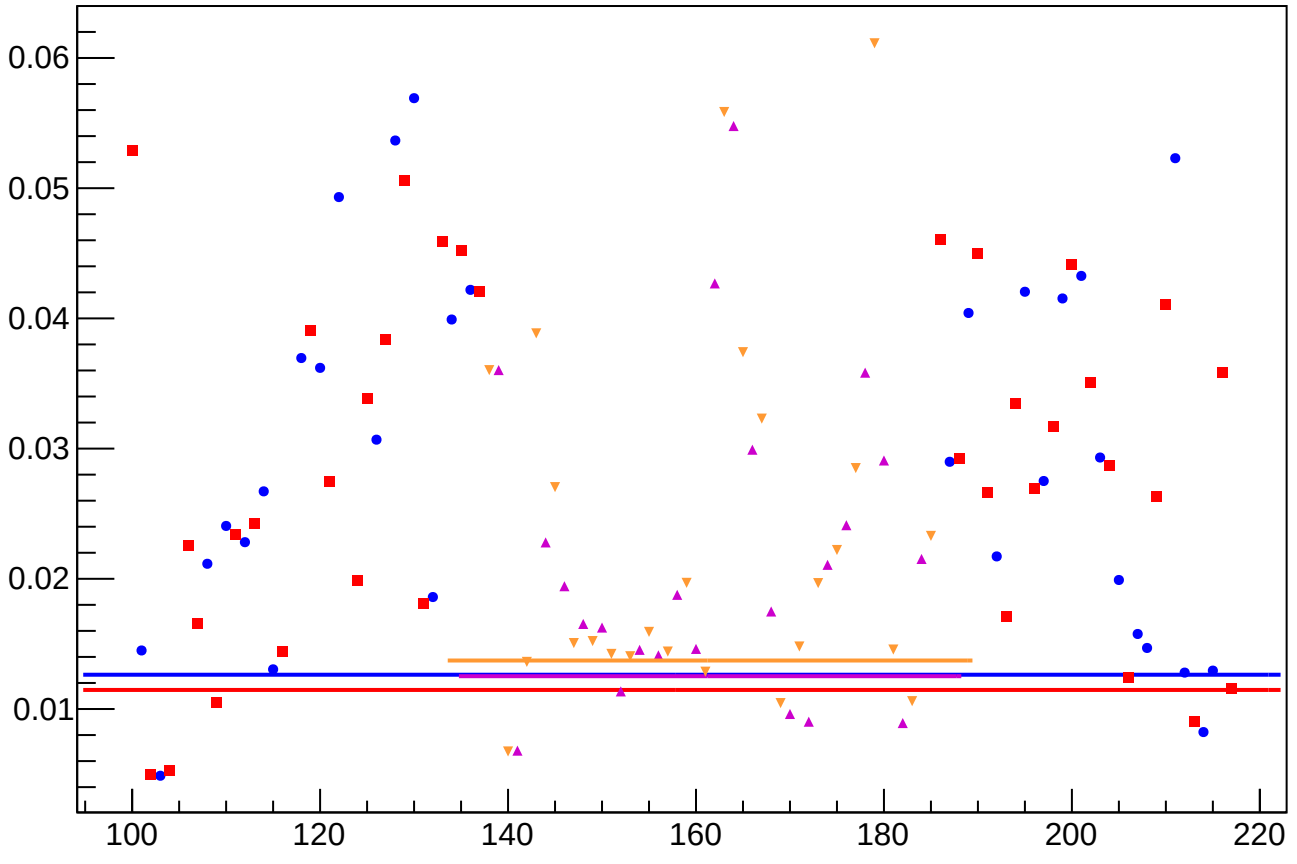
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 427.762+/-0.053 χ^2/NDF: 7518073.6/55

All: 405.246+/-0.036 χ^2/NDF: 19056681.1/11

- sign 385.802+/-0.049 χ^2/NDF: 11195858.8/58


asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.3/30
Left Out: -0.000+/-0.000 χ²/NDF:45.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 59.5/35
Left In: 0.000+/-0.000 χ²/NDF:30.0/22
+ sign -0.000+/-0.000 χ²/NDF: 78.5/55
All: -0.000+/-0.000 χ²/NDF: 173.8/114
- sign -0.000+/-0.000 χ²/NDF: 90.1/58



Right In: 0.013+/-0.000 χ^2/NDF: 13718274.7/30

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 16292998.5/35

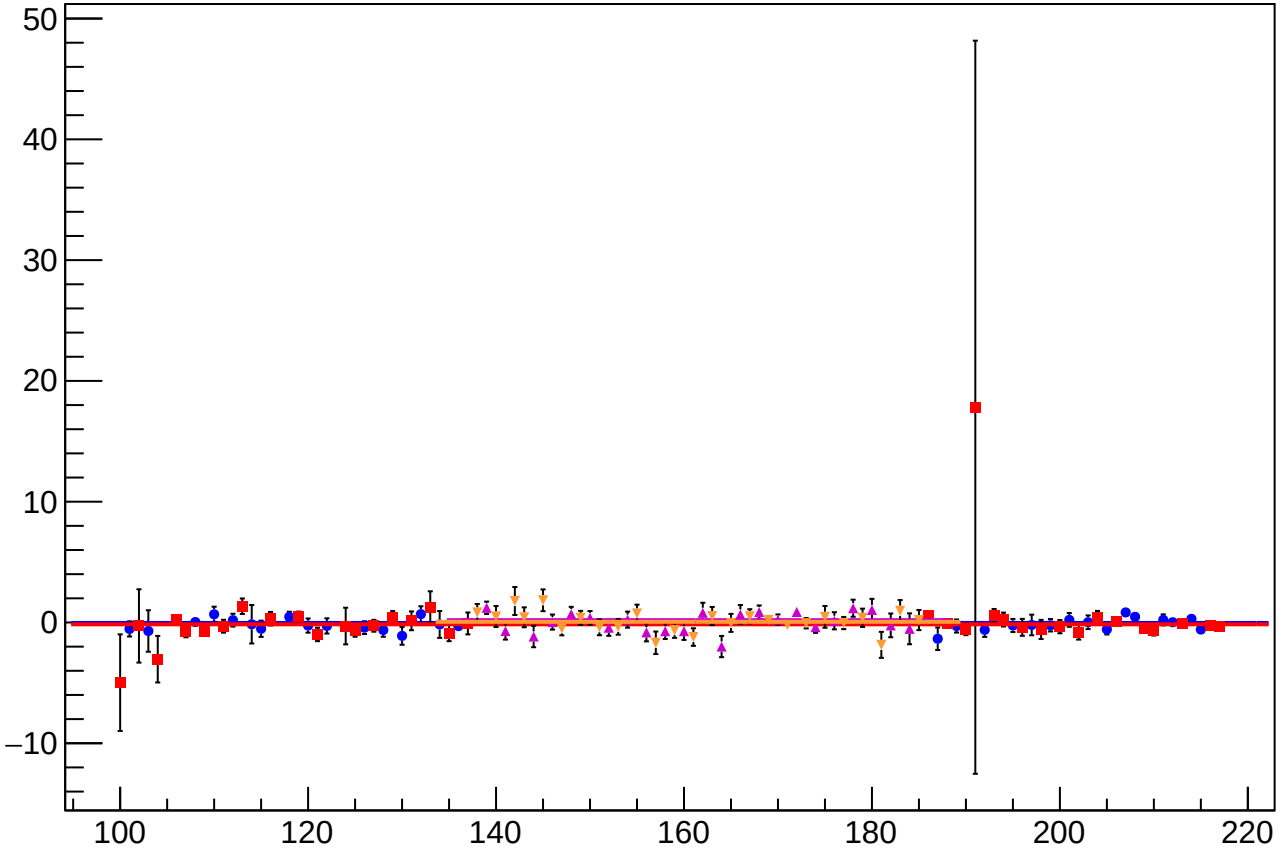
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 21523313.5/55

All: 0.013+/-0.000 χ^2/NDF: 45278095.3/114

- sign 0.012+/-0.000 χ^2/NDF: 23512144.9/58

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

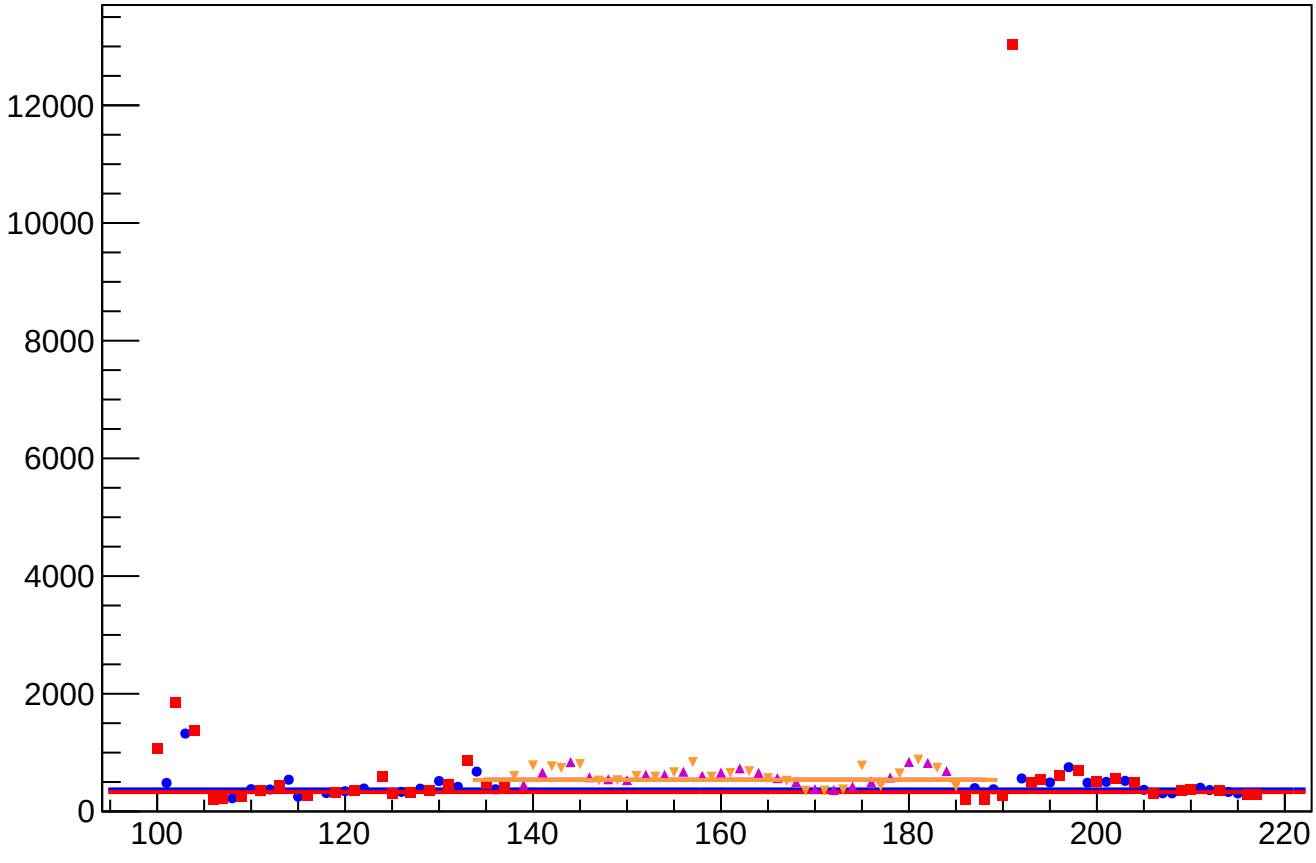
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.008+/-0.074 χ^2/NDF: 53.3/55

All: -0.036+/-0.051 χ^2/NDF: 126.8/114

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 374.783+/-0.064 χ^2/NDF: 2689201.5/30

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

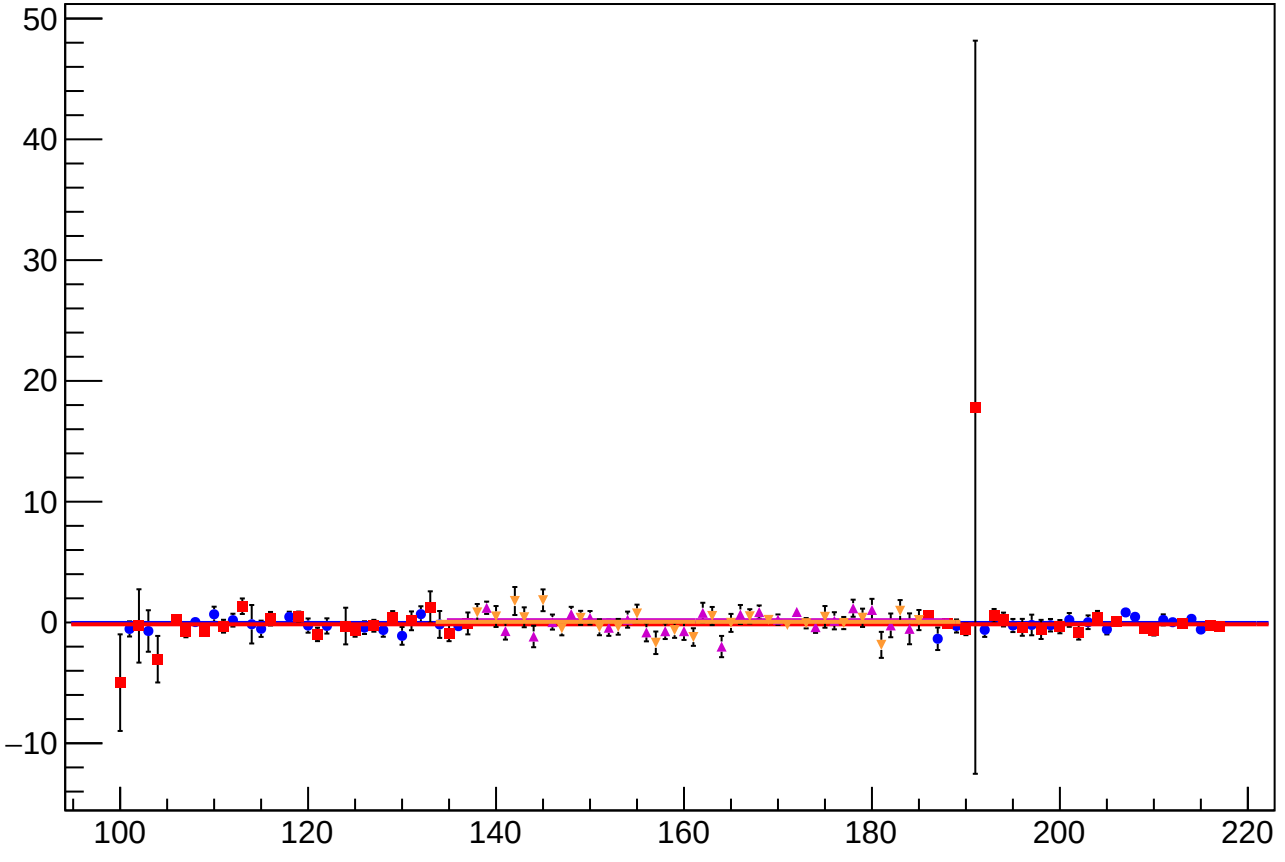
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 427.761+/-0.053 χ^2/NDF: 7518342.8/55

All: 405.246+/-0.036 χ^2/NDF: 19057053.9/11

- sign 385.802+/-0.049 χ^2/NDF: 11195982.2/58

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.091 χ^2/NDF: 28.3/30

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.152+/-0.081 χ^2/NDF: 37.2/35

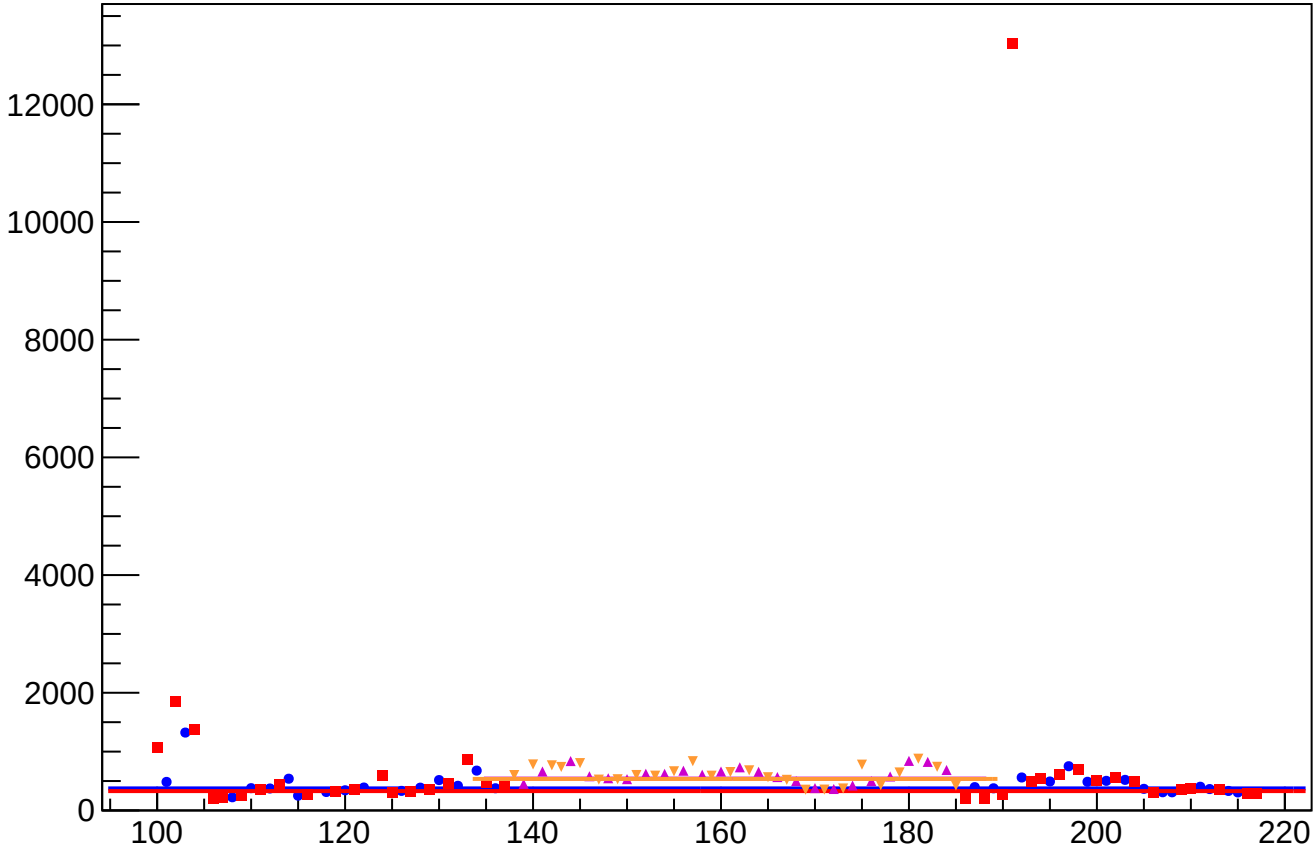
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.008+/-0.074 χ^2/NDF: 53.3/55

All: -0.036+/-0.051 χ^2/NDF: 126.8/114

- sign -0.060+/-0.069 χ^2/NDF: 73.2/58

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 374.783+/-0.064 χ^2/NDF: 2689201.5/30

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 328.880+/-0.057 χ^2/NDF: 5584280.1/35

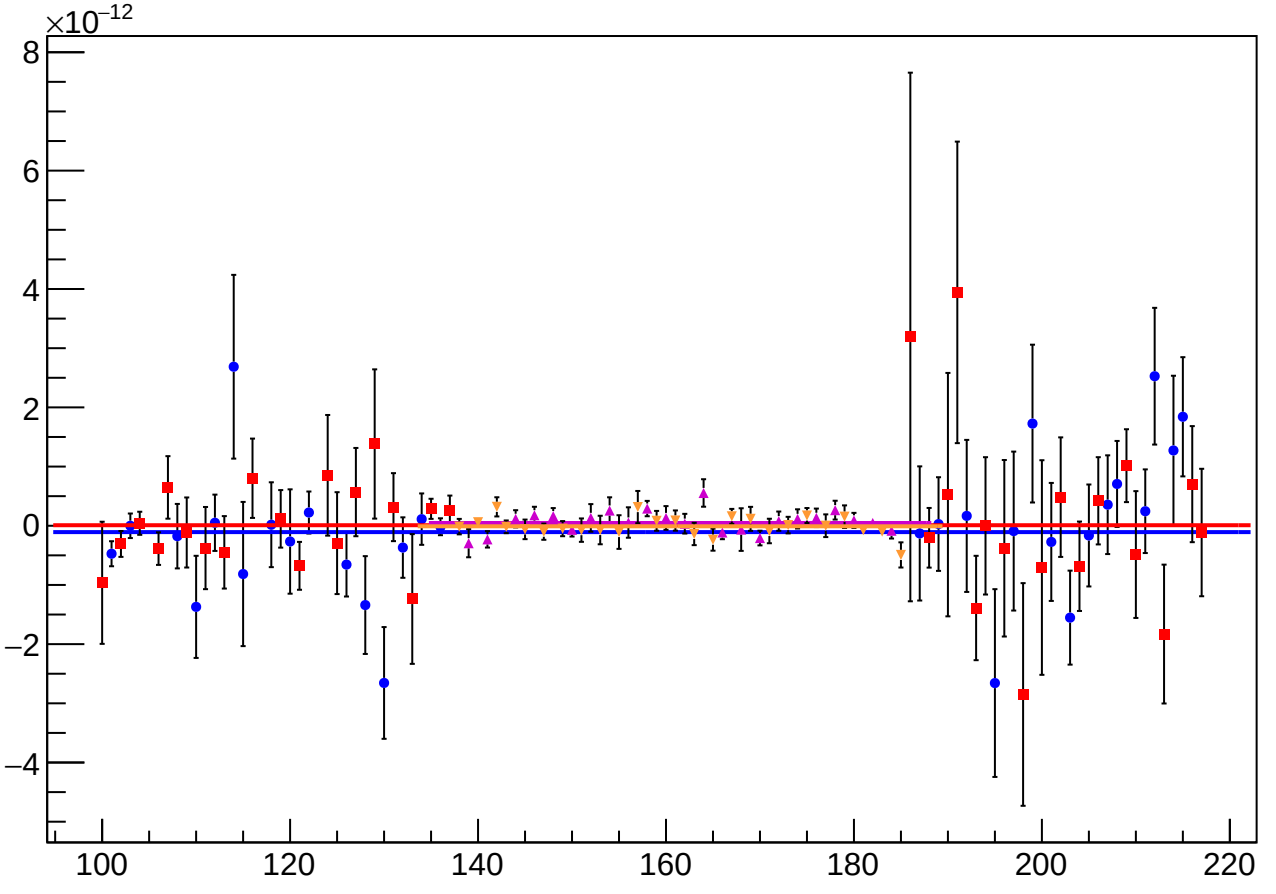
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 427.761+/-0.053 χ^2/NDF: 7518342.8/55

All: 405.246+/-0.036 χ^2/NDF: 19057053.9/11

- sign 385.802+/-0.049 χ^2/NDF: 11195982.2/58

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

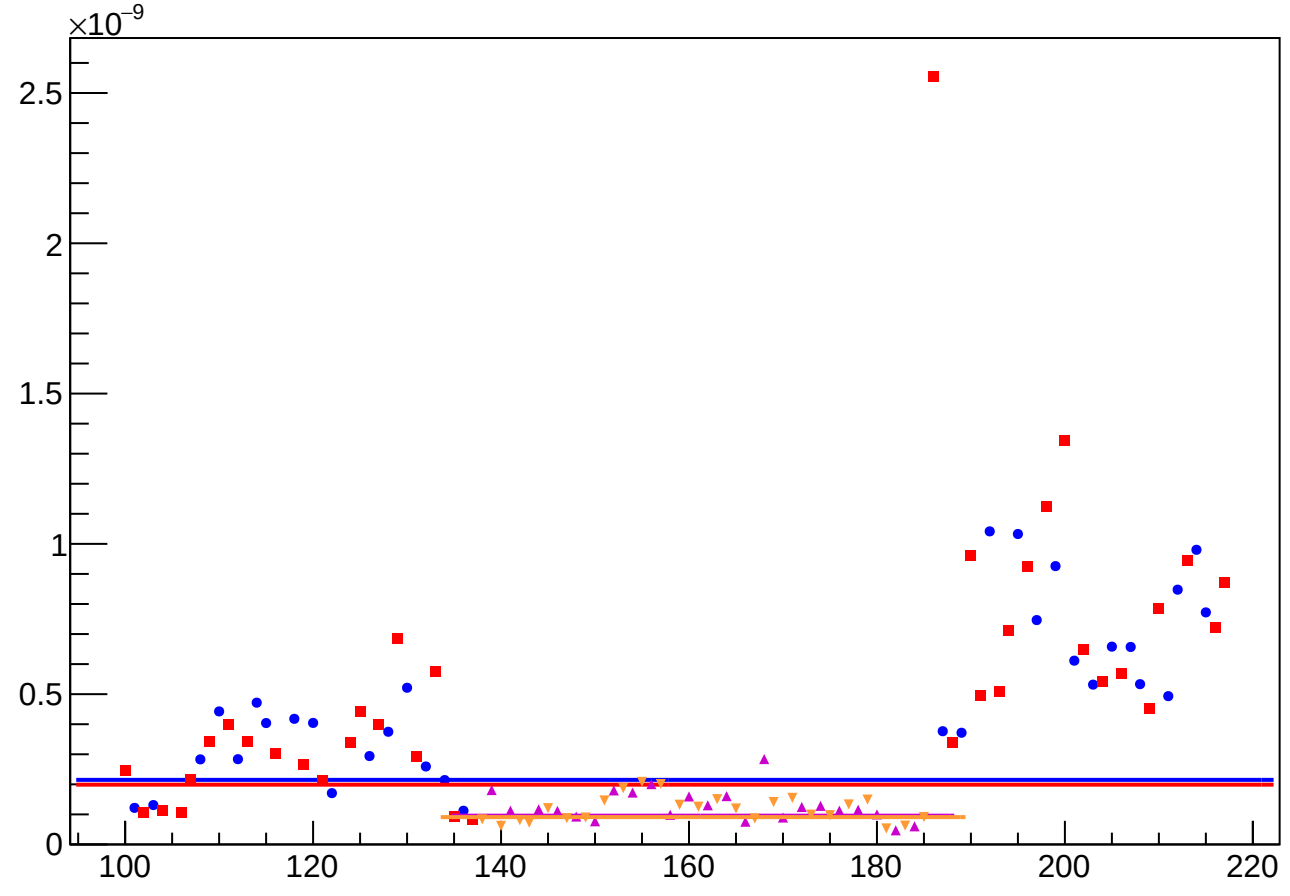
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.7/55

All: 0.000+/-0.000 χ^2/NDF: 130.5/114

- sign 0.000+/-0.000 χ^2/NDF: 63.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 9425628.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11377174.6/35

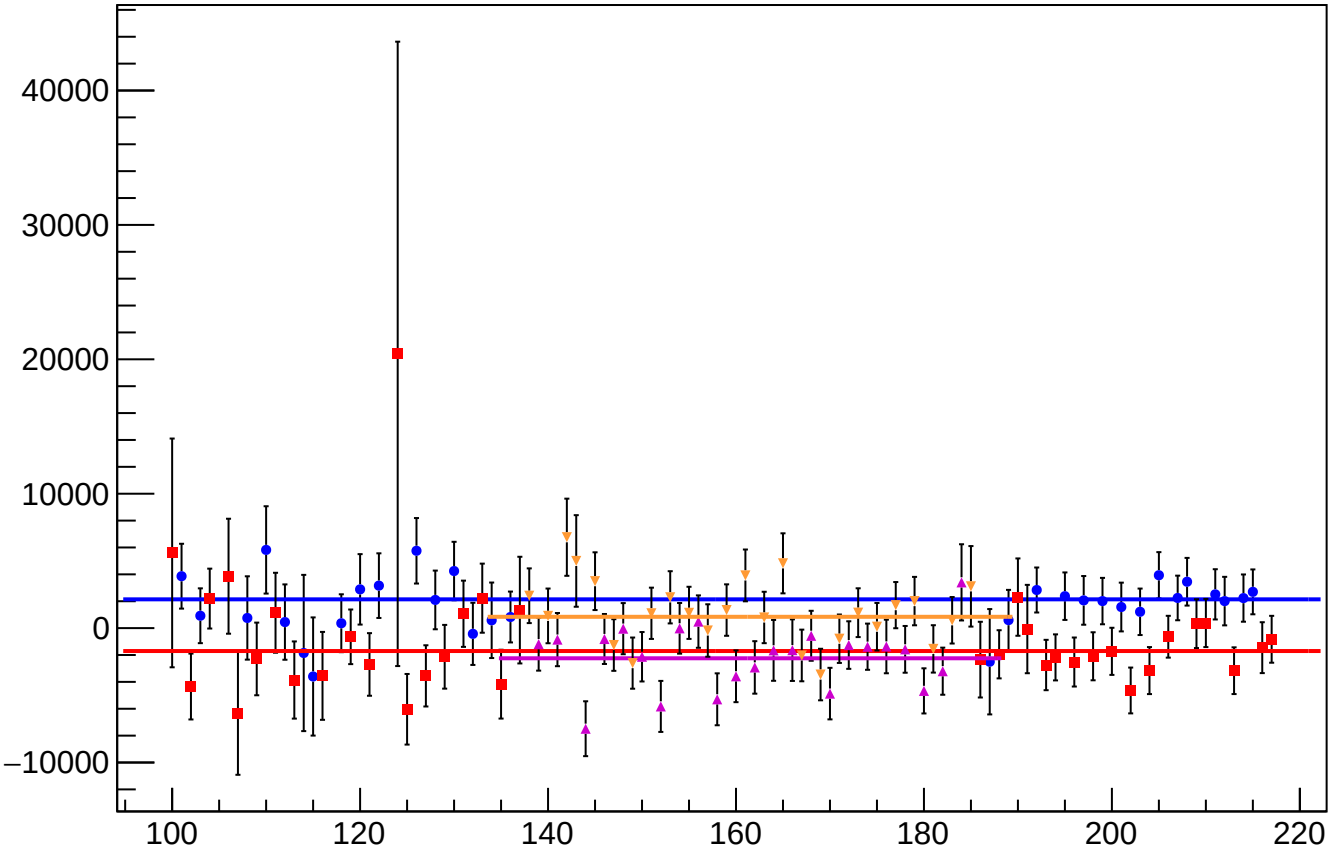
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 16864466.2/55

All: 0.000+/-0.000 χ^2/NDF: 35201973.6/114

- sign 0.000+/-0.000 χ^2/NDF: 18306059.8/58

reg_asym_atl_avg_mean vs Slug



Right In: 2140.664+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1705.146+/-370.668 χ^2/NDF: 30.0/35

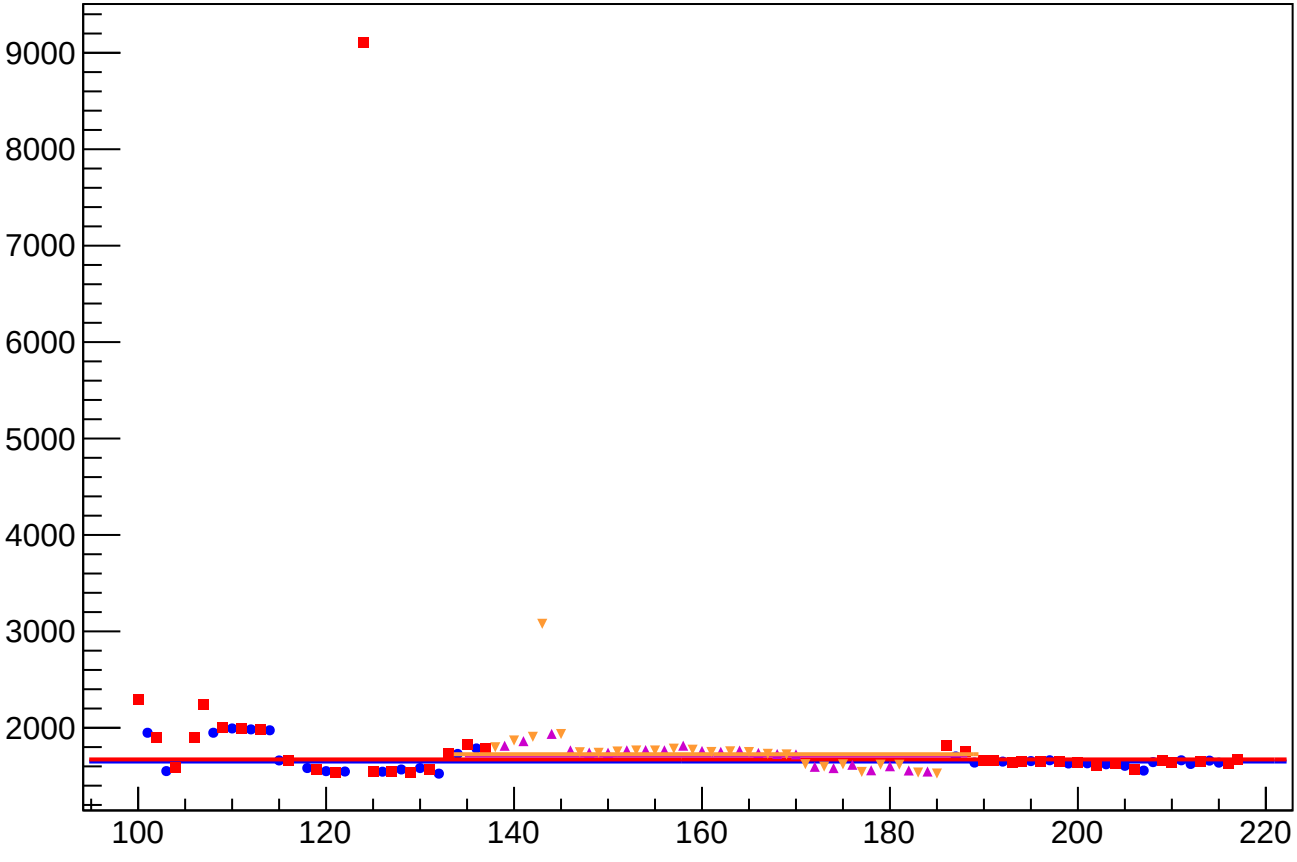
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1521.143+/-272.392 χ^2/NDF: 51.3/55

All: -218.216+/-192.513 χ^2/NDF: 193.2/114

- sign -1954.070+/-272.117 χ^2/NDF: 60.4/58

reg_asym_atl_avg_rms vs Slug



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1672.148+/-0.262 χ^2/NDF: 420341.1/35

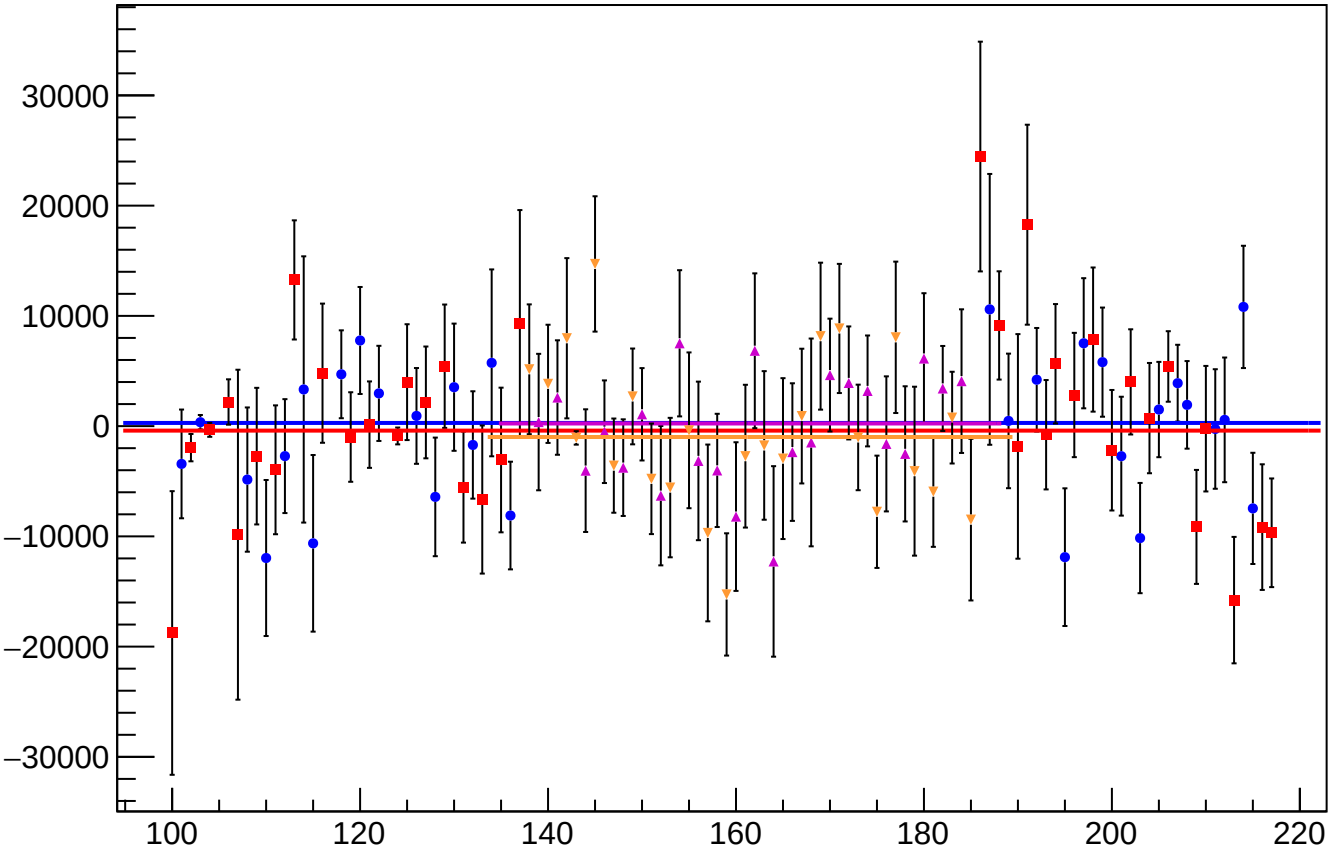
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1686.409+/-0.193 χ^2/NDF: 649080.9/55

All: 1688.720+/-0.136 χ^2/NDF: 1210302.6/11

- sign 1691.023+/-0.192 χ^2/NDF: 560934.3/58

asym_atl_avg_reg_correction_mean vs Slug



Right In: 288.663+/-539.008 χ^2/NDF: 35.8/30

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -406.923+/-403.903 χ^2/NDF: 55.8/35

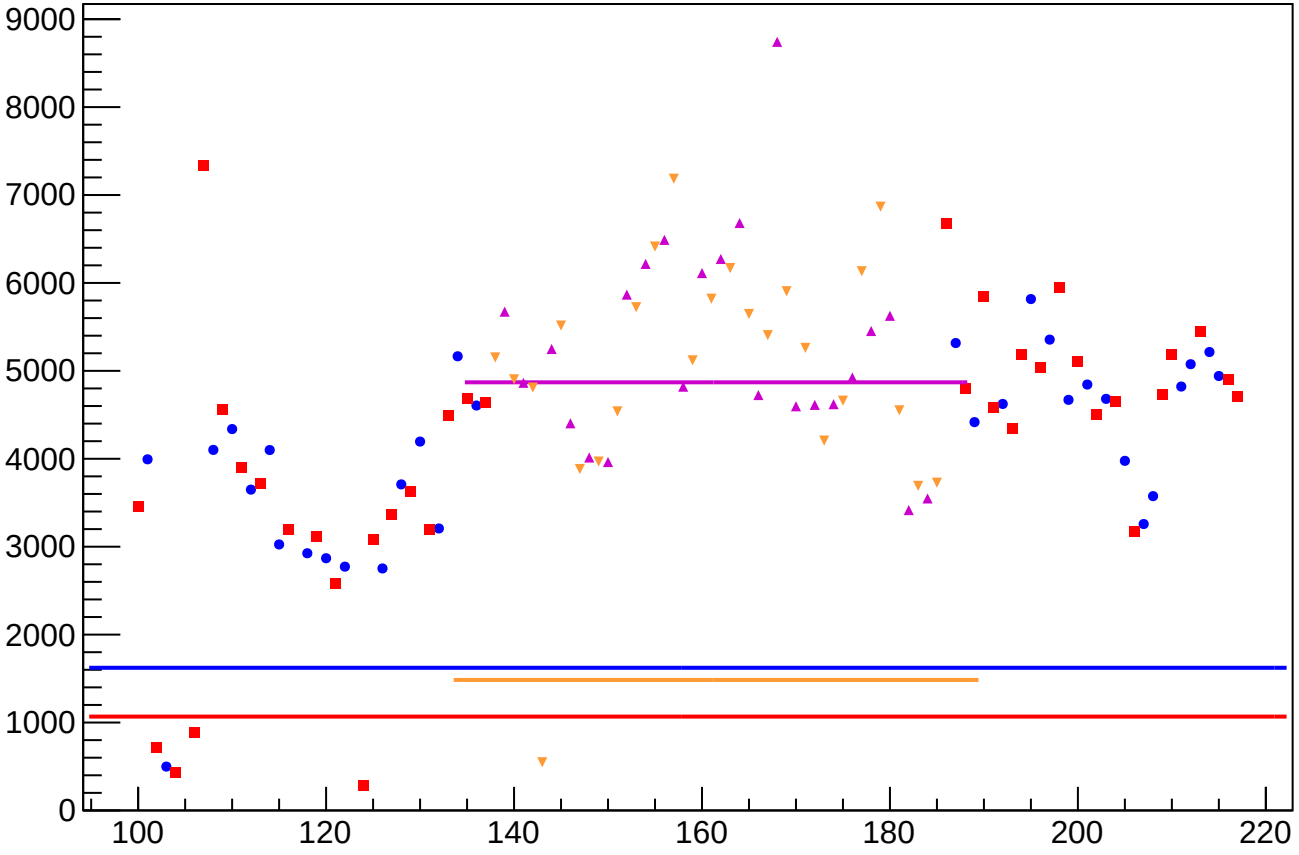
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -346.830+/-381.926 χ^2/NDF: 69.4/55

All: -342.190+/-269.954 χ^2/NDF: 139.0/114

- sign -337.557+/-381.620 χ^2/NDF: 69.6/58

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1622.803+/-0.381 χ^2/NDF: 20033946.4/30

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1067.661+/-0.286 χ^2/NDF: 26077931.8/35

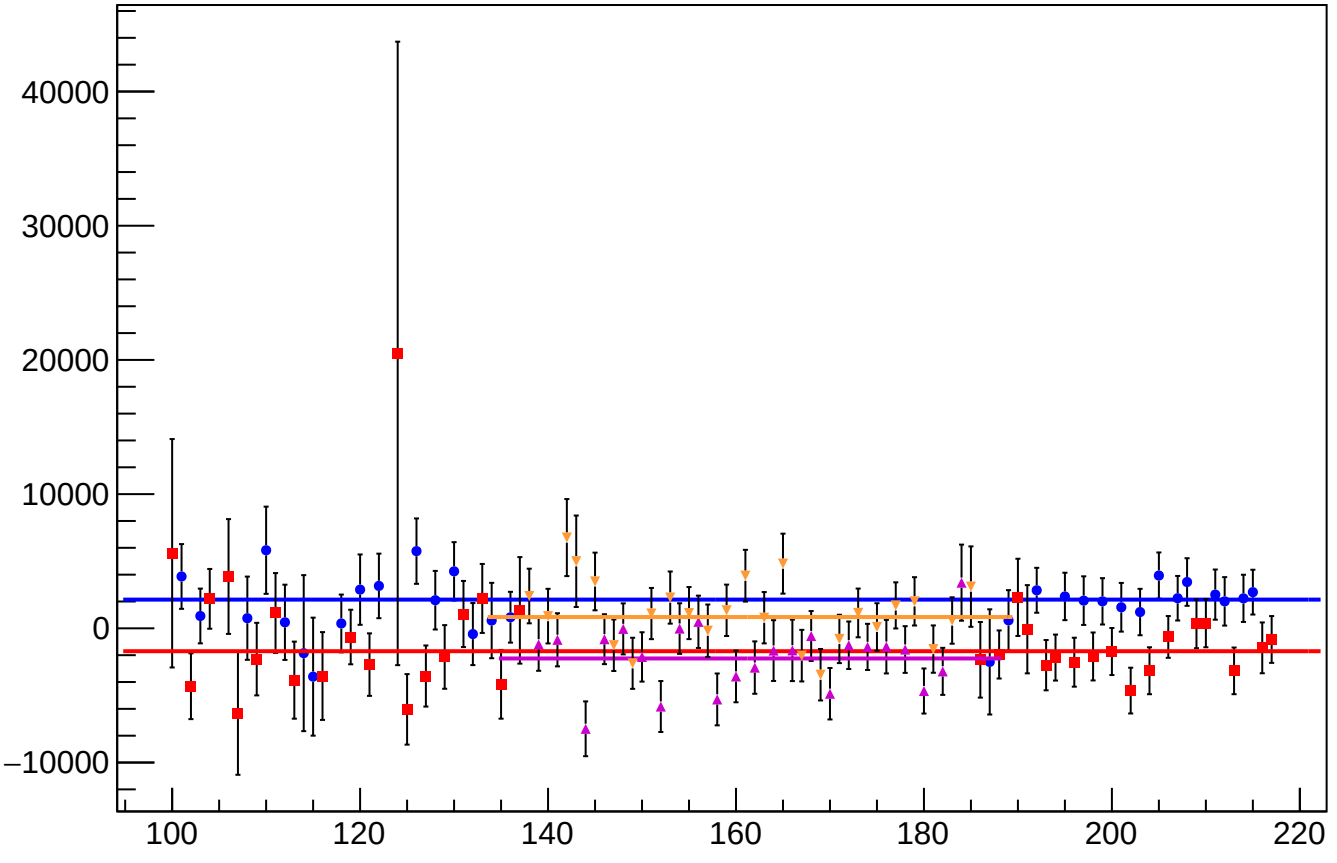
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1553.970+/-0.270 χ^2/NDF: 43324397.5/55

All: 1514.753+/-0.191 χ^2/NDF: 89933276.0/1

- sign 1475.598+/-0.270 χ^2/NDF: 46566737.0/58

cor_asym_atl_avg_mean vs Slug



Right In: 2140.705+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1704.323+/-370.669 χ^2/NDF: 30.0/35

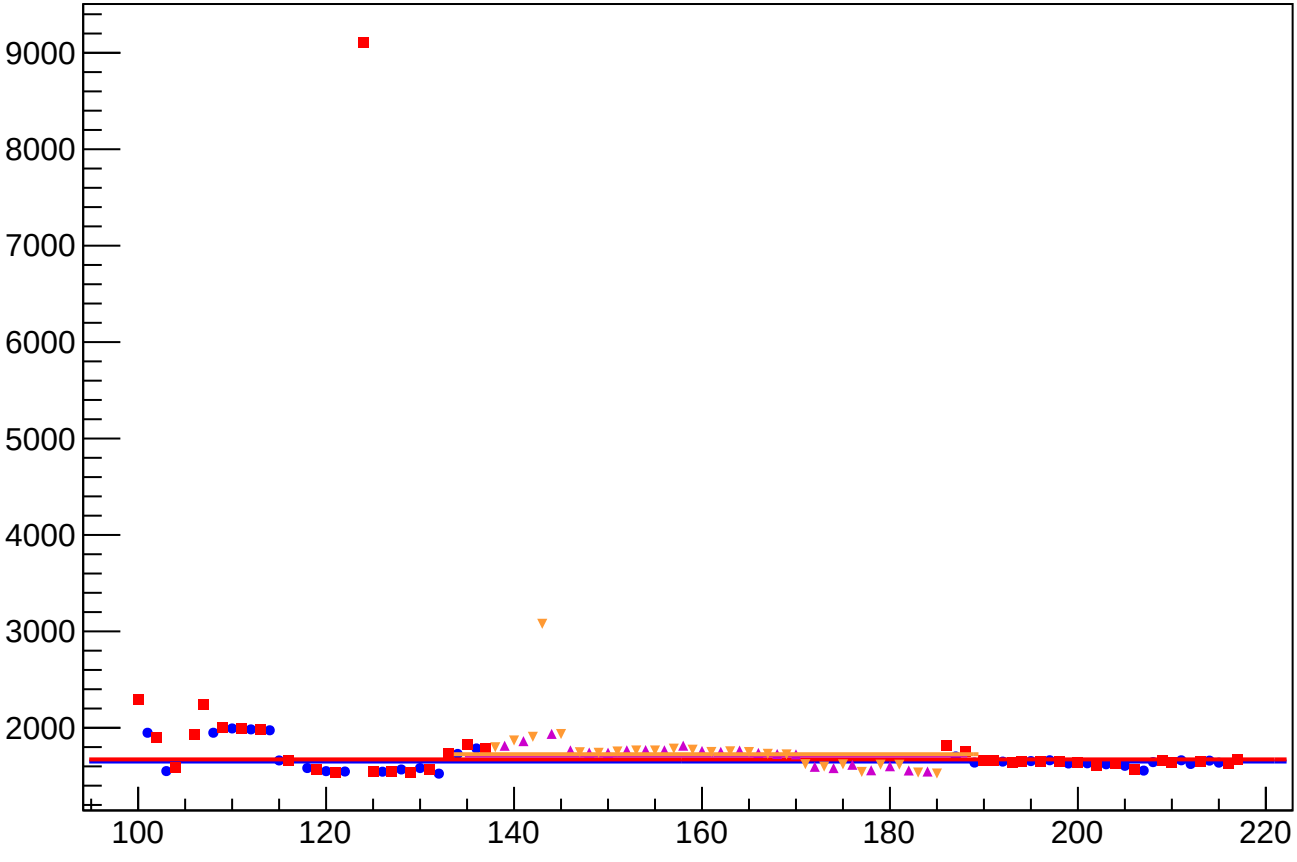
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1521.161+/-272.392 χ^2/NDF: 51.3/55

All: -217.988+/-192.513 χ^2/NDF: 193.2/114

- sign -1953.636+/-272.117 χ^2/NDF: 60.4/58

cor_asym_atl_avg_rms vs Slug



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

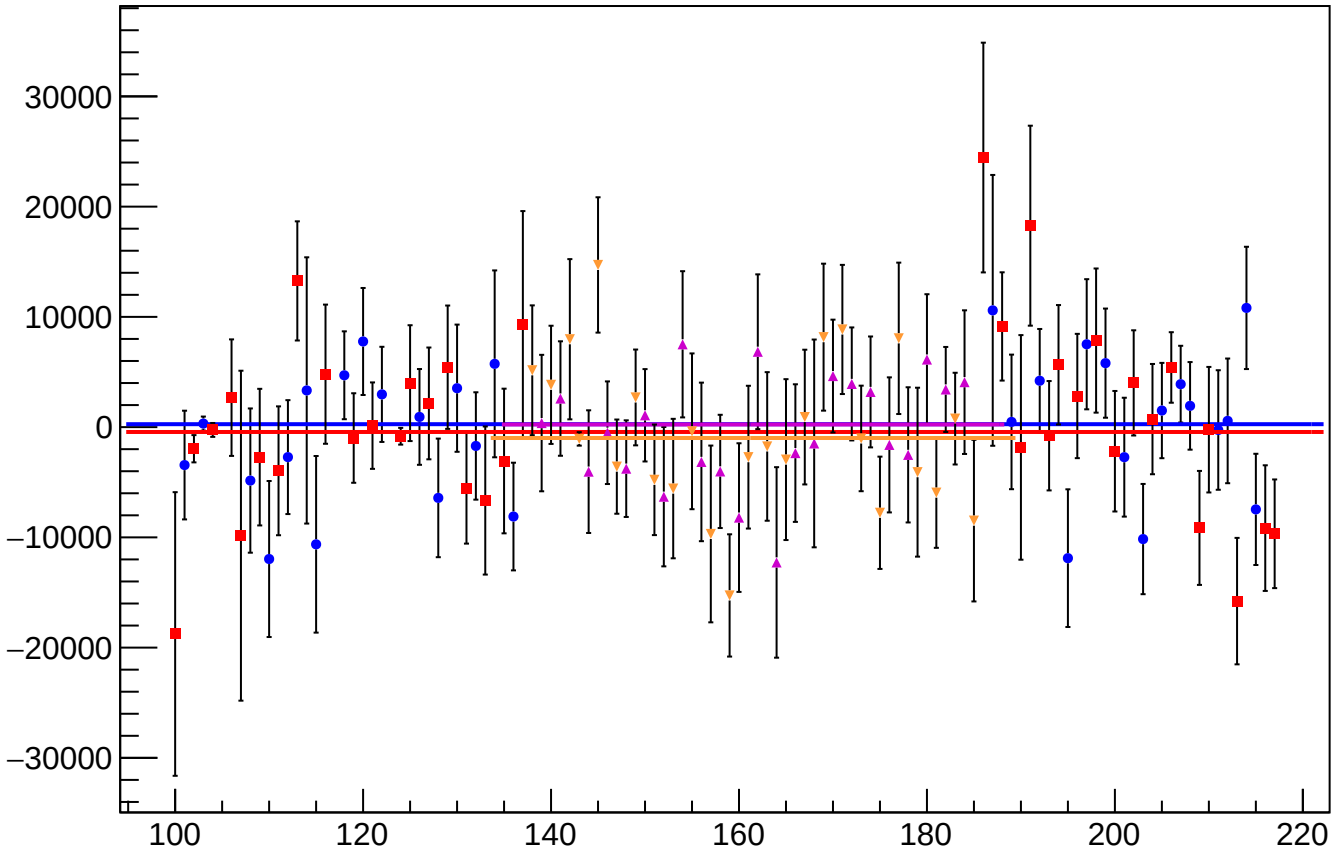
Right Out: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1686.409+/-0.193 χ^2/NDF: 649081.0/55

All: 1688.793+/-0.136 χ^2/NDF: 1212286.1/11

- sign 1691.169+/-0.192 χ^2/NDF: 562899.2/58



Right In: 266.363+/-529.694 χ^2/NDF: 35.8/30

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -440.480+/-408.912 χ^2/NDF: 54.5/35

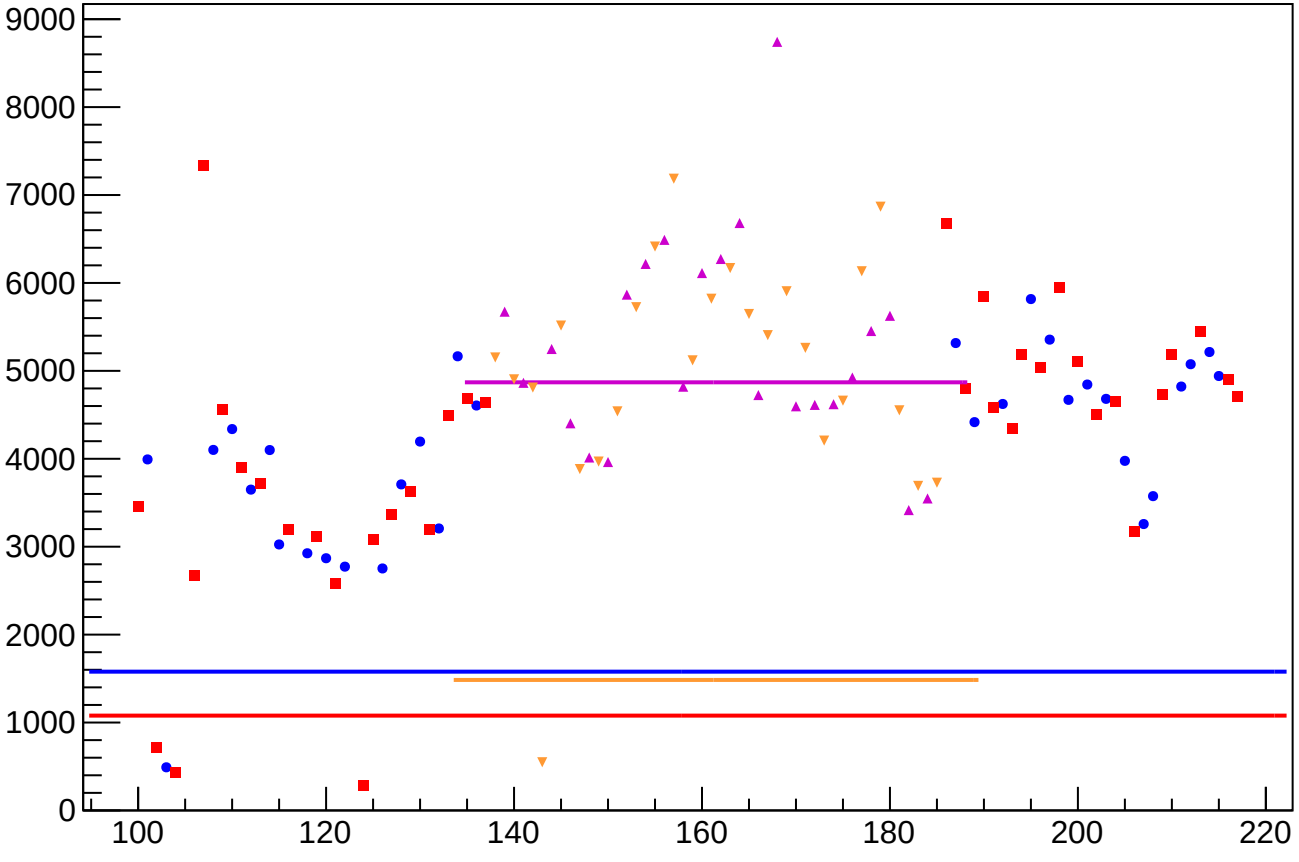
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -346.959+/-378.564 χ^2/NDF: 69.3/55

All: -356.251+/-270.220 χ^2/NDF: 137.7/114

\- sign -365.903+/-385.837 χ^2/NDF: 68.4/58

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1578.683+/-0.375 χ^2/NDF: 20418755.3/30

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

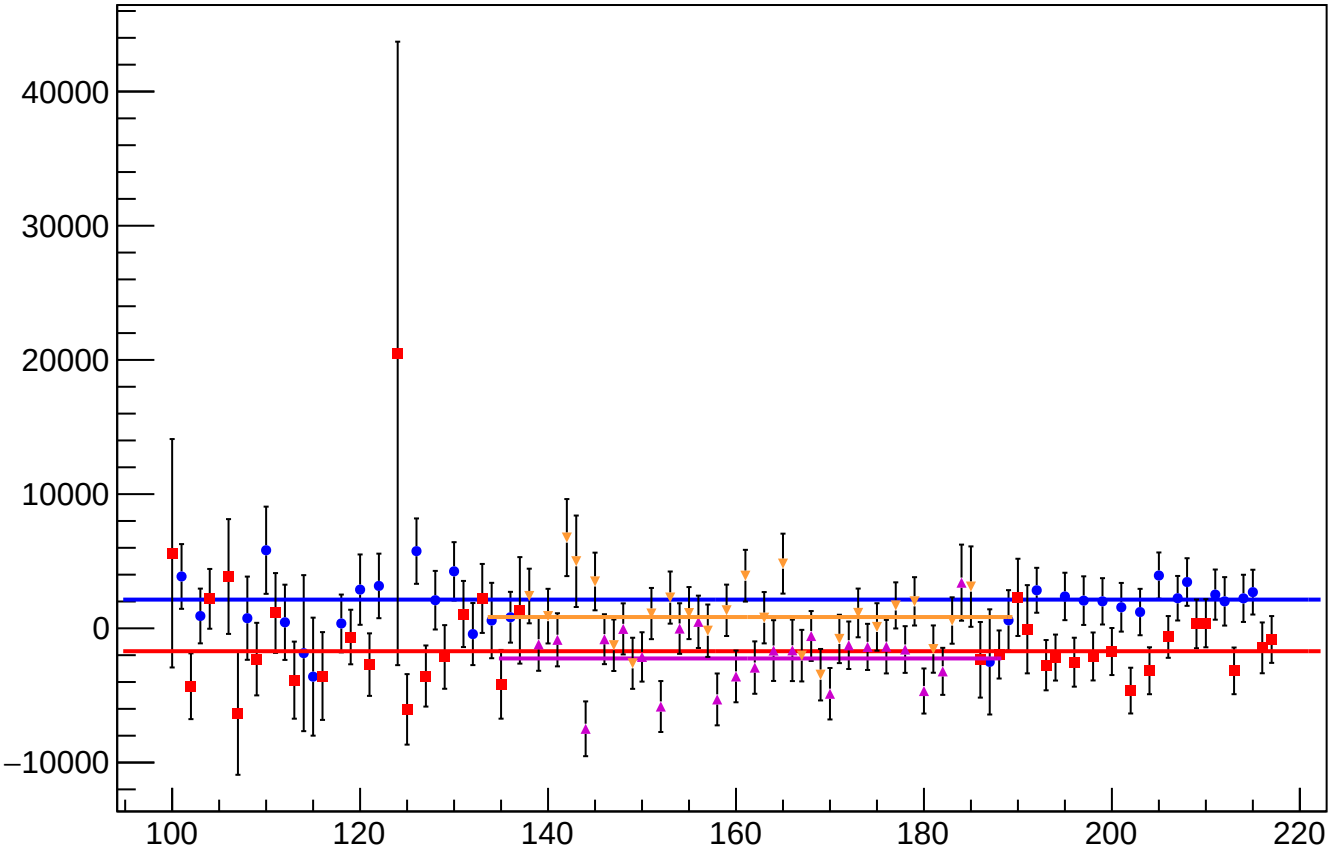
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1532.599+/-0.268 χ^2/NDF: 43675269.9/55

All: 1513.911+/-0.191 χ^2/NDF: 90311175.7/1

- sign 1494.499+/-0.273 χ^2/NDF: 46625969.7/58

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2140.705+/-376.614 χ^2/NDF: 15.2/30

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1704.323+/-370.669 χ^2/NDF: 30.0/35

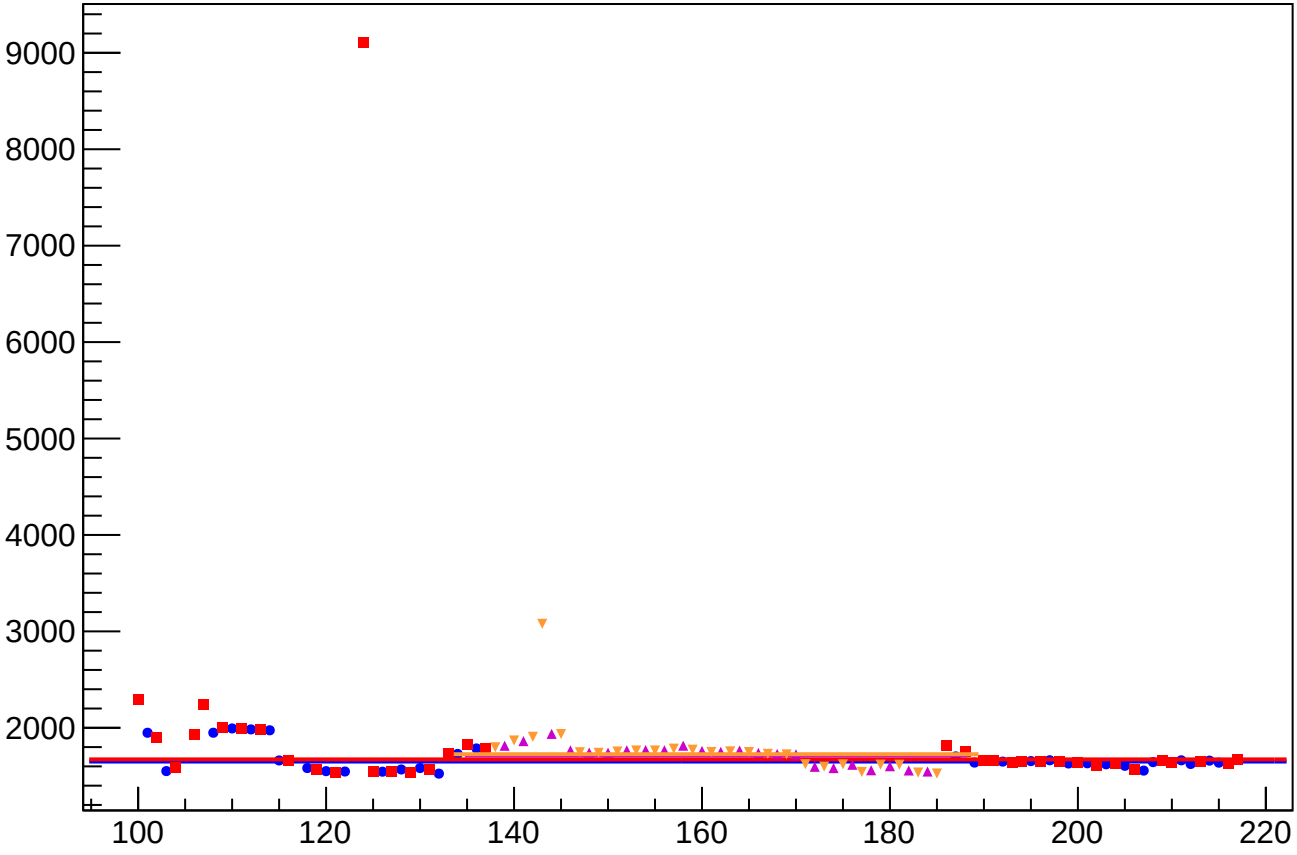
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1521.161+/-272.392 χ^2/NDF: 51.3/55

All: -217.988+/-192.513 χ^2/NDF: 193.2/114

- sign -1953.636+/-272.117 χ^2/NDF: 60.4/58

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1650.263+/-0.266 χ^2/NDF: 155519.1/30

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

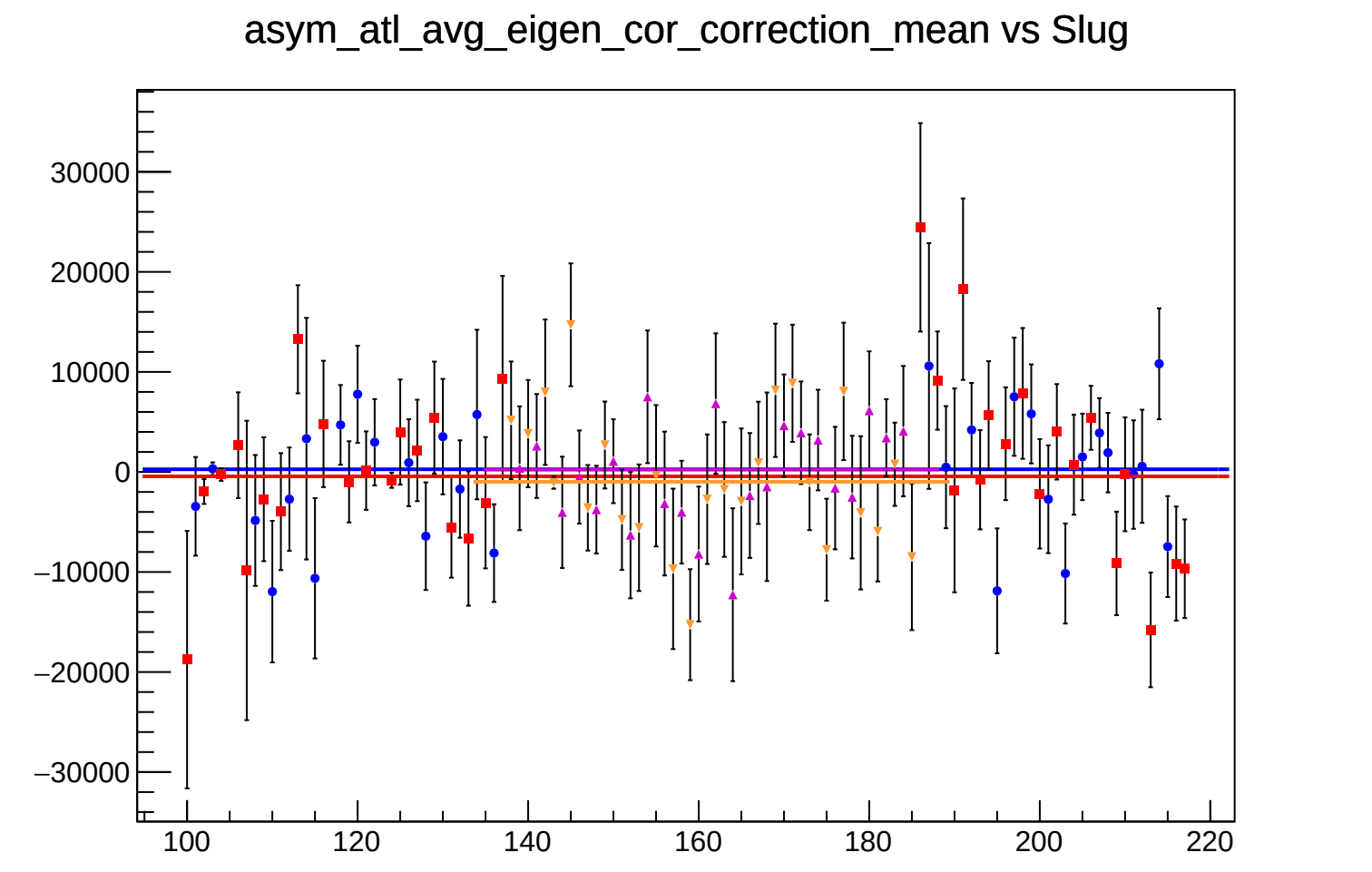
Right Out: 1672.412+/-0.262 χ^2/NDF: 422452.9/35

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1686.409+/-0.193 χ^2/NDF: 649081.0/55

All: 1688.793+/-0.136 χ^2/NDF: 1212286.1/11

- sign 1691.169+/-0.192 χ^2/NDF: 562899.2/58



Right In: 266.363+/-529.694 χ^2/NDF: 35.8/30

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -440.480+/-408.912 χ^2/NDF: 54.5/35

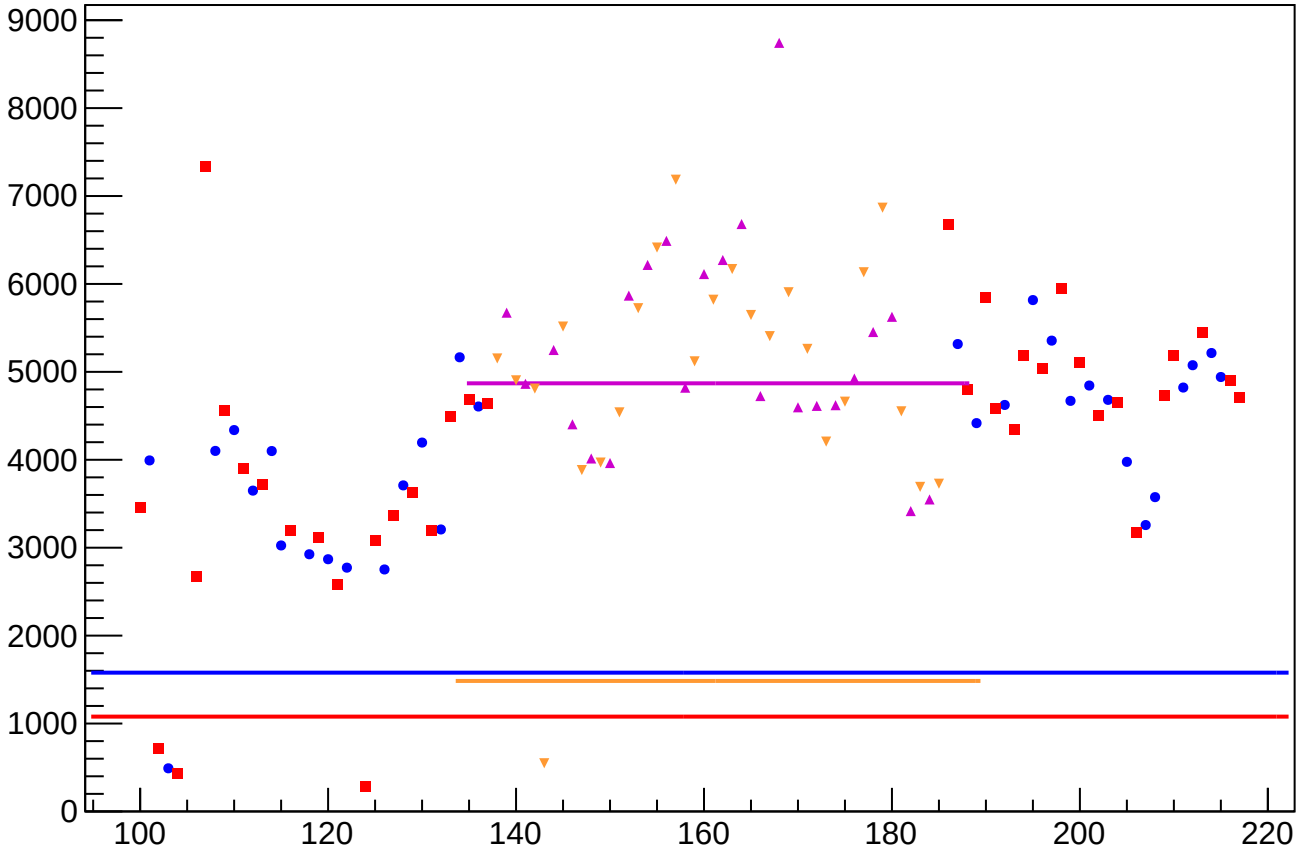
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -346.959+/-378.564 χ^2/NDF: 69.3/55

All: -356.251+/-270.220 χ^2/NDF: 137.7/114

- sign -365.903+/-385.837 χ^2/NDF: 68.4/58

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1578.683+/-0.375 χ^2/NDF: 20418755.3/30

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

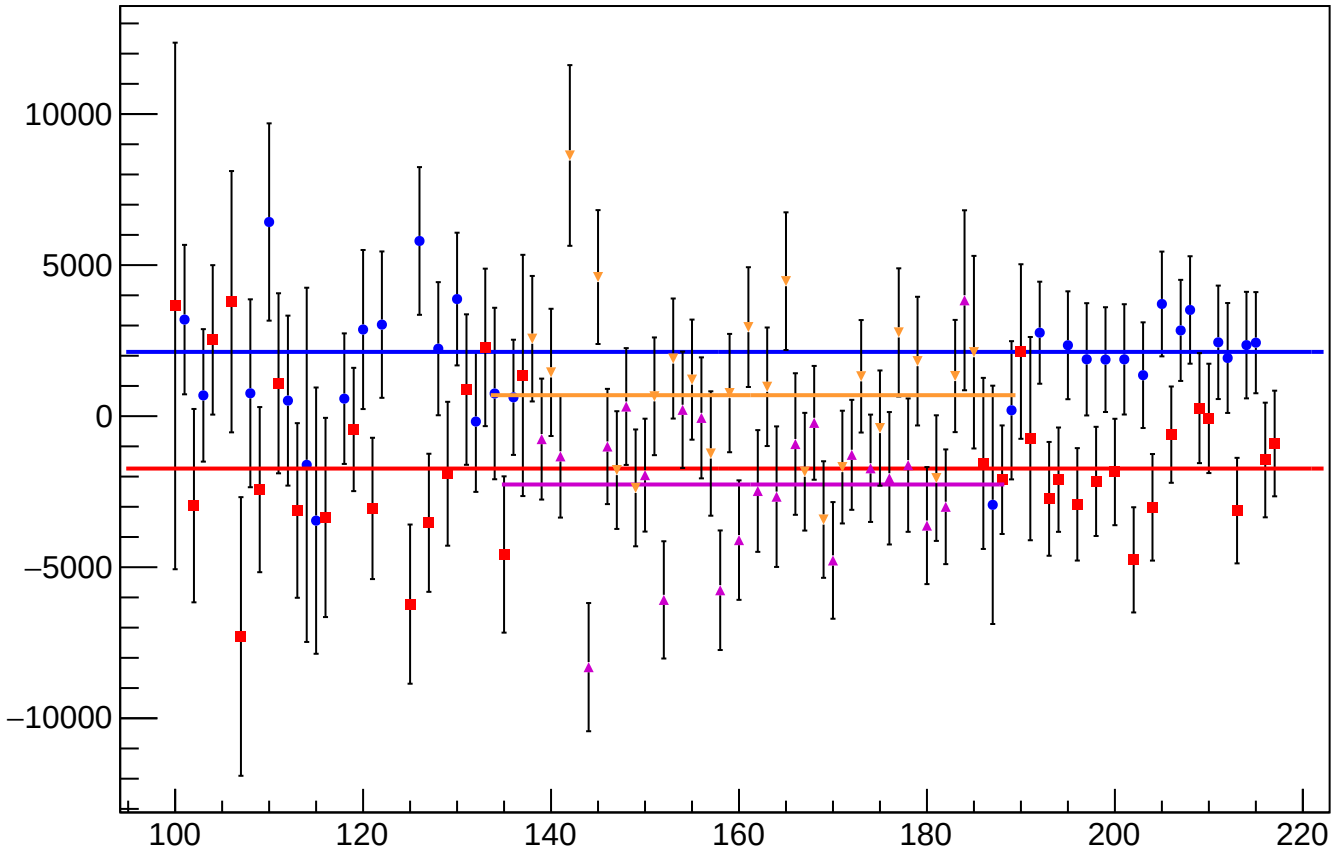
Right Out: 1078.709+/-0.289 χ^2/NDF: 26298007.1/35

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1532.599+/-0.268 χ^2/NDF: 43675269.9/55

All: 1513.911+/-0.191 χ^2/NDF: 90311175.7/1

- sign 1494.499+/-0.273 χ^2/NDF: 46625969.7/58



Right In: 2127.177+/-380.483 χ^2/NDF: 14.8/30

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.336+/-376.613 χ^2/NDF: 27.2/34

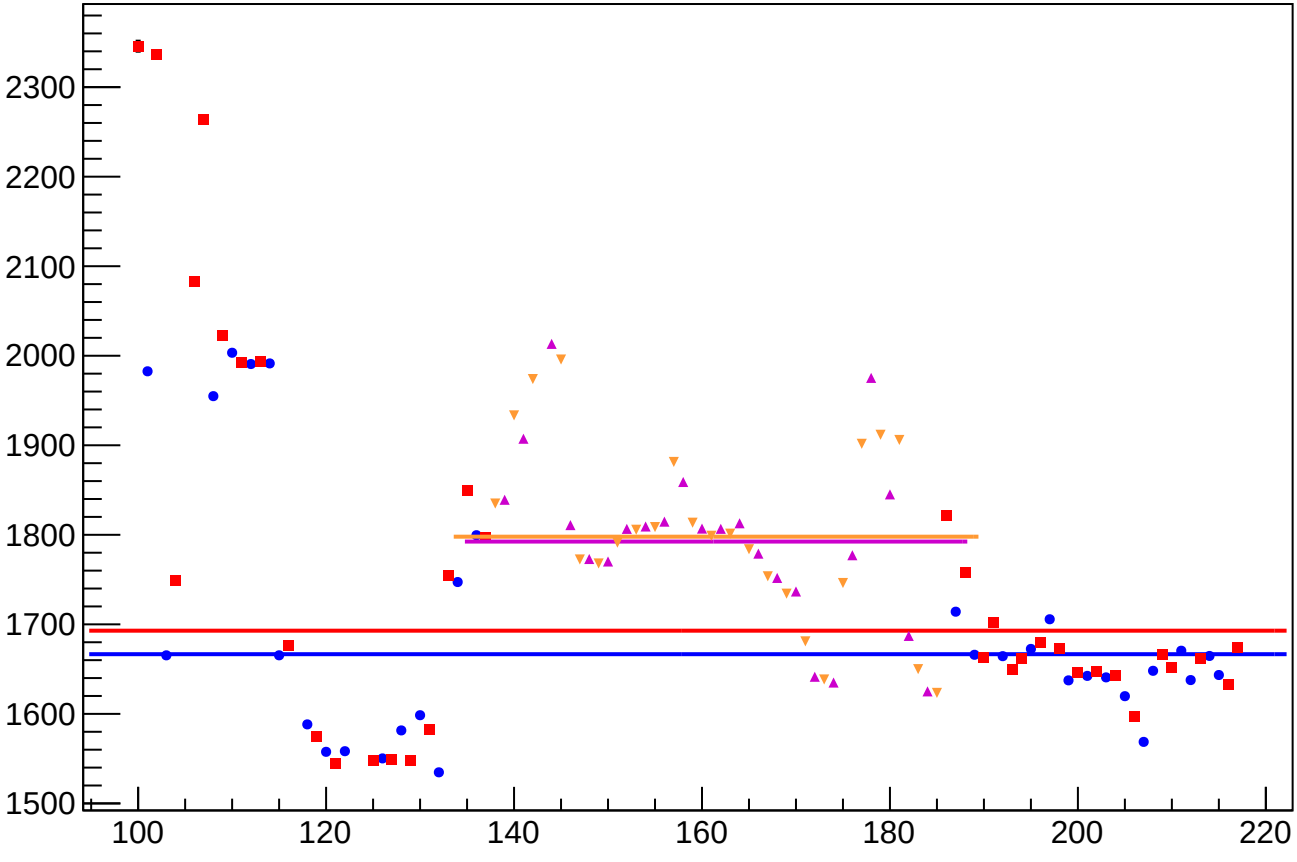
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1478.008+/-281.388 χ^2/NDF: 53.5/54

All: -253.567+/-198.532 χ^2/NDF: 187.4/112

- sign -1969.922+/-280.149 χ^2/NDF: 58.5/57

dit_asym_atl_avg_rms vs Slug



Right In: 1666.667+/-0.269 χ^2/NDF: 153015.8/30

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

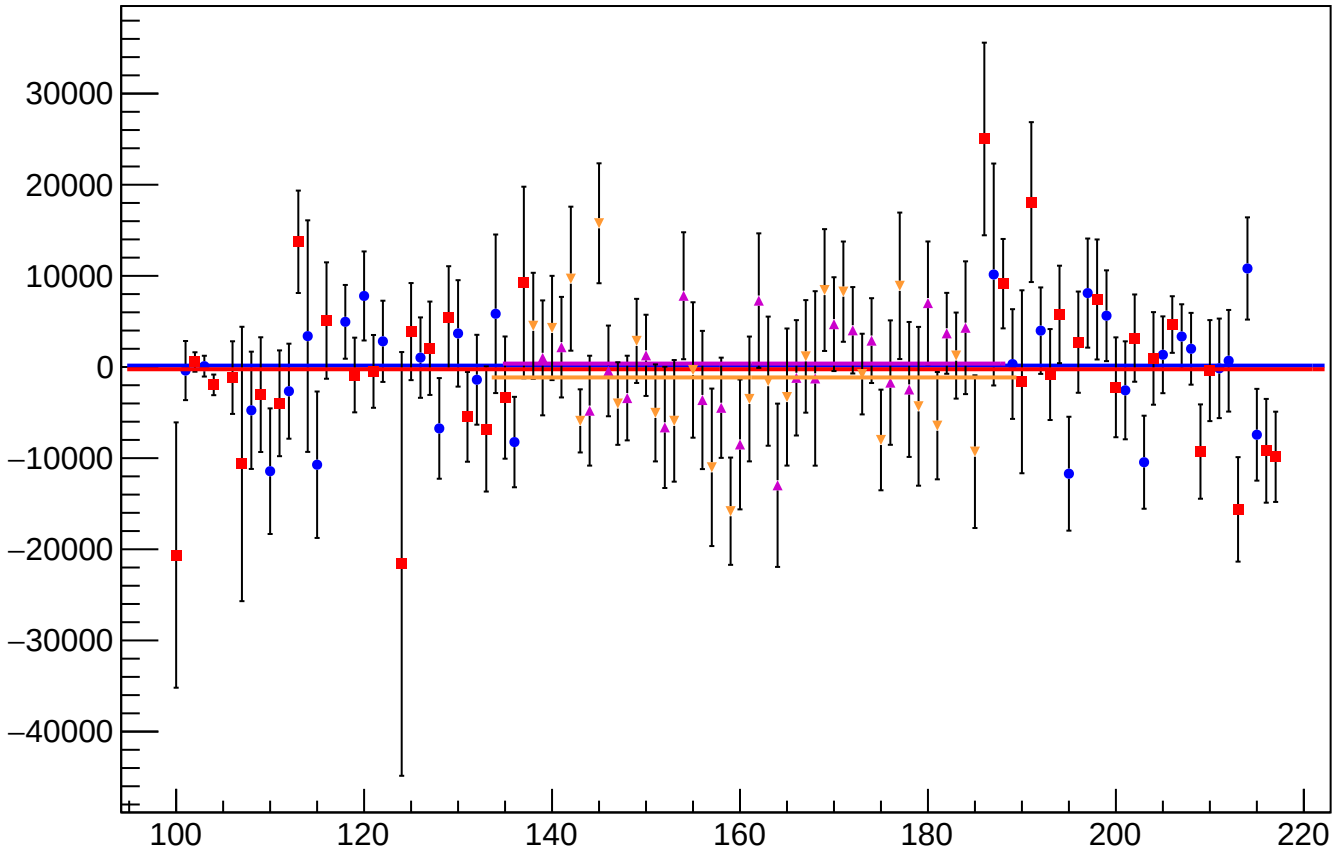
Right Out: 1692.920+/-0.266 χ^2/NDF: 289145.4/34

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1726.127+/-0.199 χ^2/NDF: 358829.0/54

All: 1731.761+/-0.140 χ^2/NDF: 804878.8/112

- sign 1737.341+/-0.198 χ^2/NDF: 444454.1/57



Right In: 152.522+/-723.261 χ^2/NDF: 34.7/30

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -246.719+/-601.562 χ^2/NDF: 54.9/35

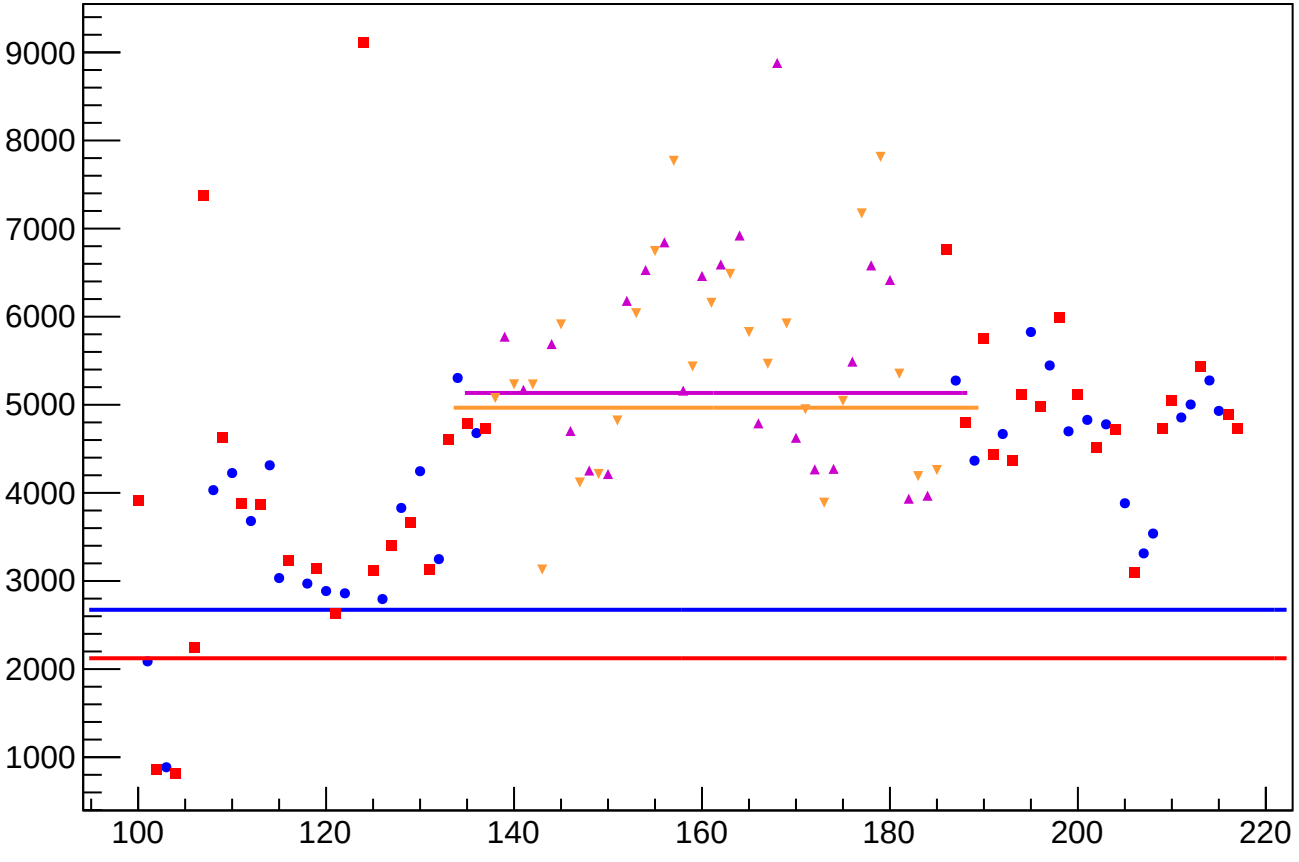
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -208.524+/-614.395 χ^2/NDF: 68.1/55

All: -162.281+/-405.724 χ^2/NDF: 136.6/114

- sign -126.522+/-540.284 χ^2/NDF: 68.4/58

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2673.258+/-0.511 χ^2/NDF: 10426216.4/30

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

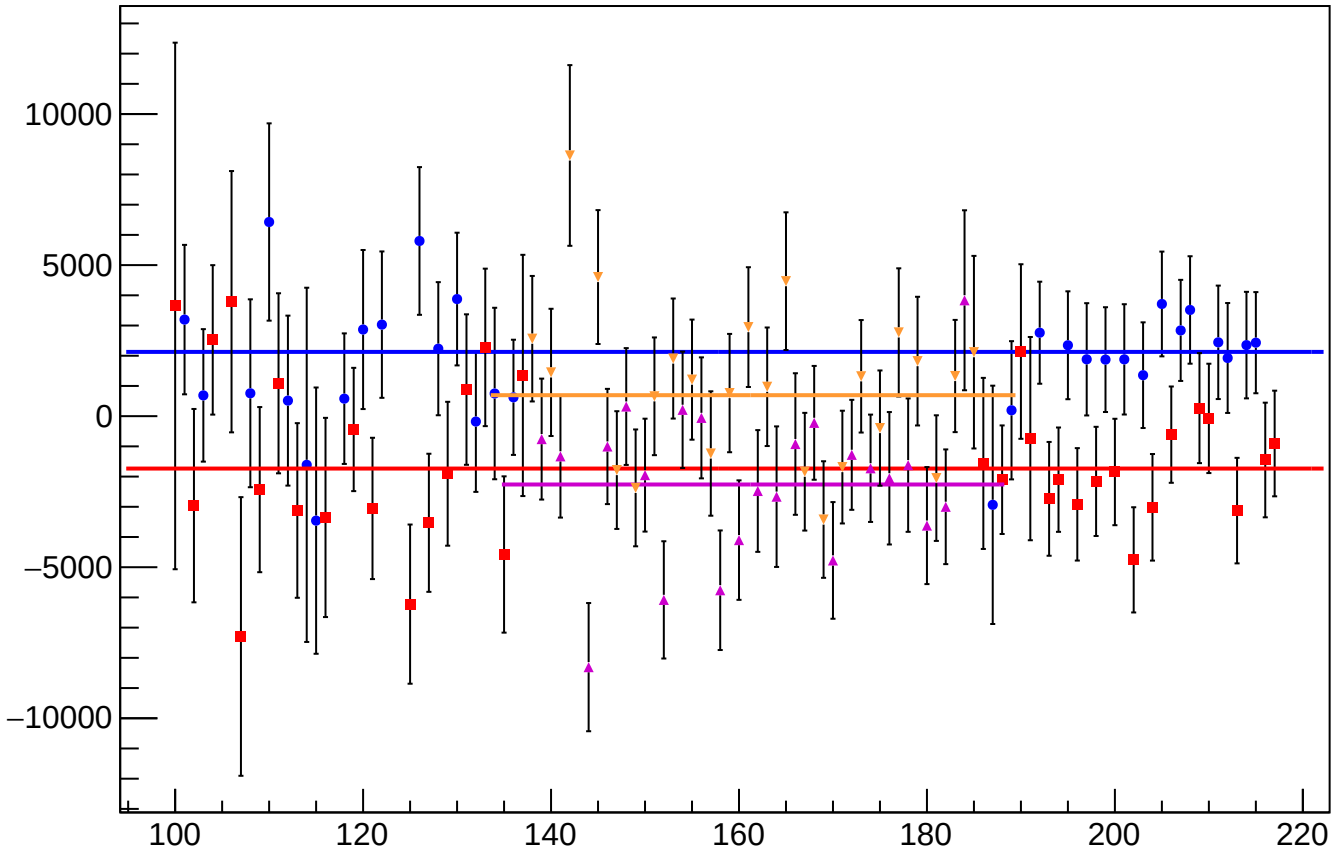
Right Out: 2123.087+/-0.425 χ^2/NDF: 16223157.2/35

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3311.769+/-0.434 χ^2/NDF: 17943413.7/55

All: 2969.794+/-0.287 χ^2/NDF: 46442925.8/1

- sign 2705.344+/-0.382 χ^2/NDF: 27400741.5/58



Right In: 2127.174+/-380.483 χ^2/NDF: 14.8/30

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1734.333+/-376.613 χ^2/NDF: 27.2/34

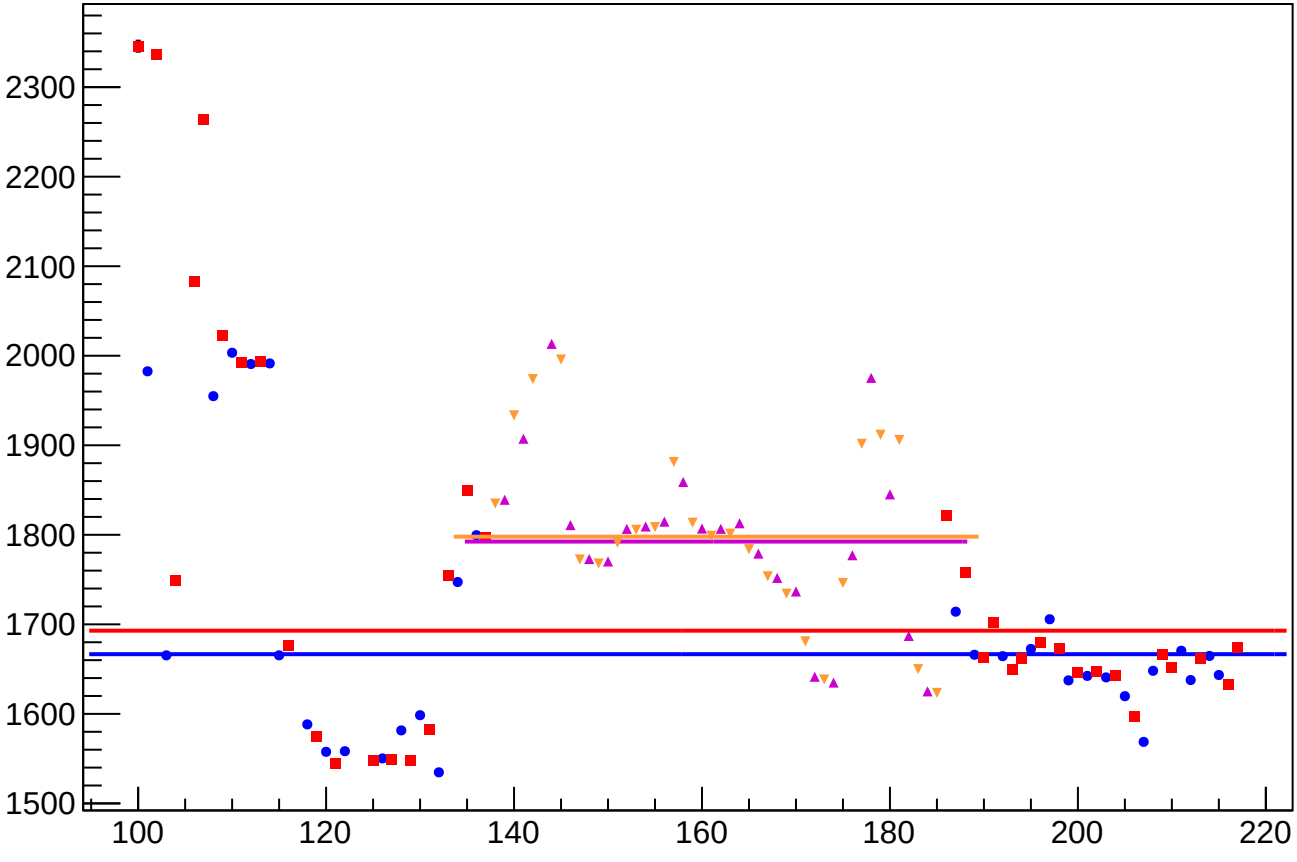
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1478.005+/-281.388 χ^2/NDF: 53.5/54

All: -253.567+/-198.532 χ^2/NDF: 187.4/112

- sign -1969.920+/-280.149 χ^2/NDF: 58.5/57

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1666.667+/-0.269 χ^2/NDF: 153016.0/30

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

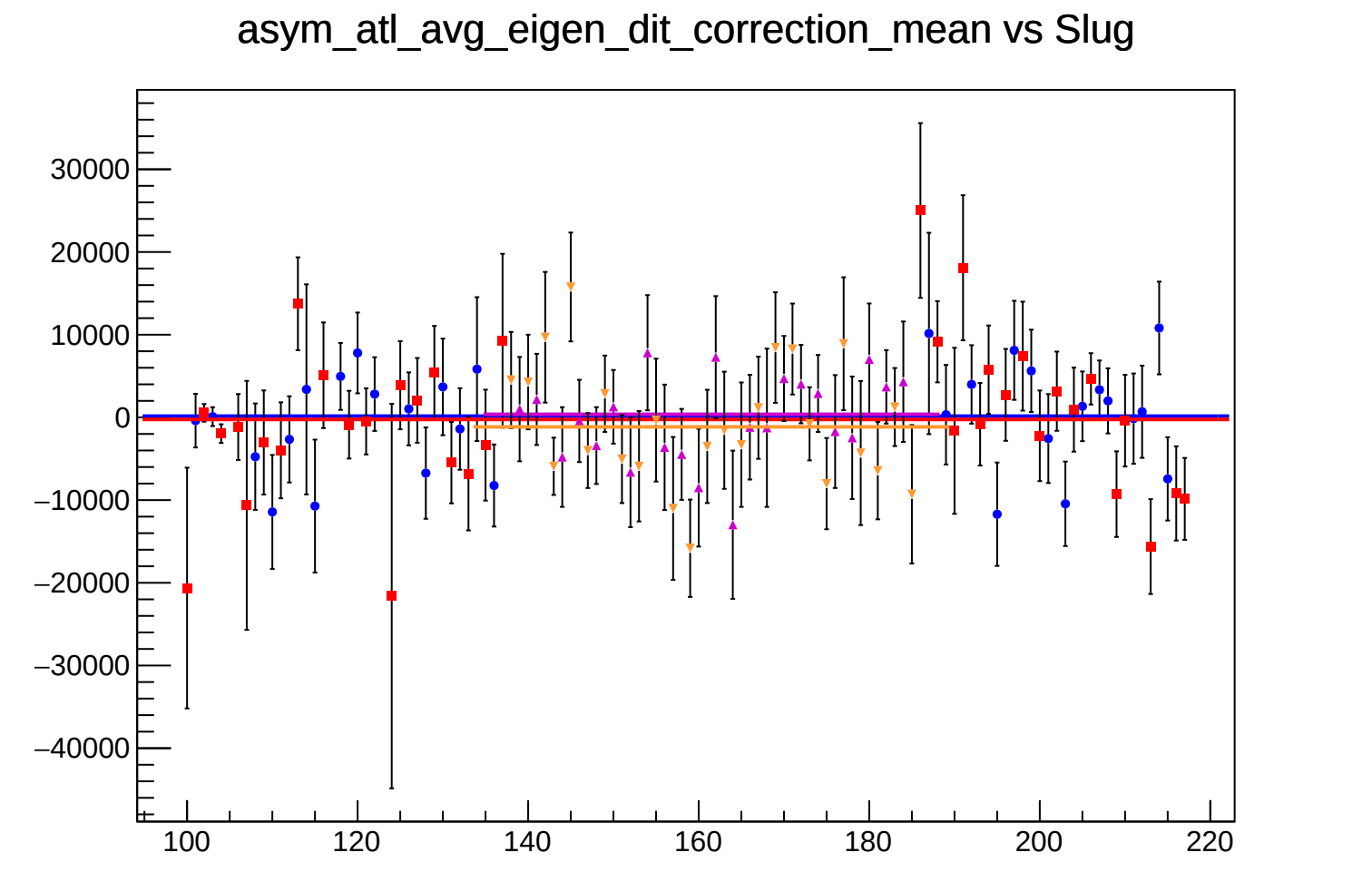
Right Out: 1692.920+/-0.266 χ^2/NDF: 289144.9/34

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1726.128+/-0.199 χ^2/NDF: 358834.9/54

All: 1731.761+/-0.140 χ^2/NDF: 804889.2/112

- sign 1737.341+/-0.198 χ^2/NDF: 444458.6/57



Right In: 152.522+/-723.258 χ^2/NDF: 34.7/30

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -246.722+/-601.558 χ^2/NDF: 54.9/35

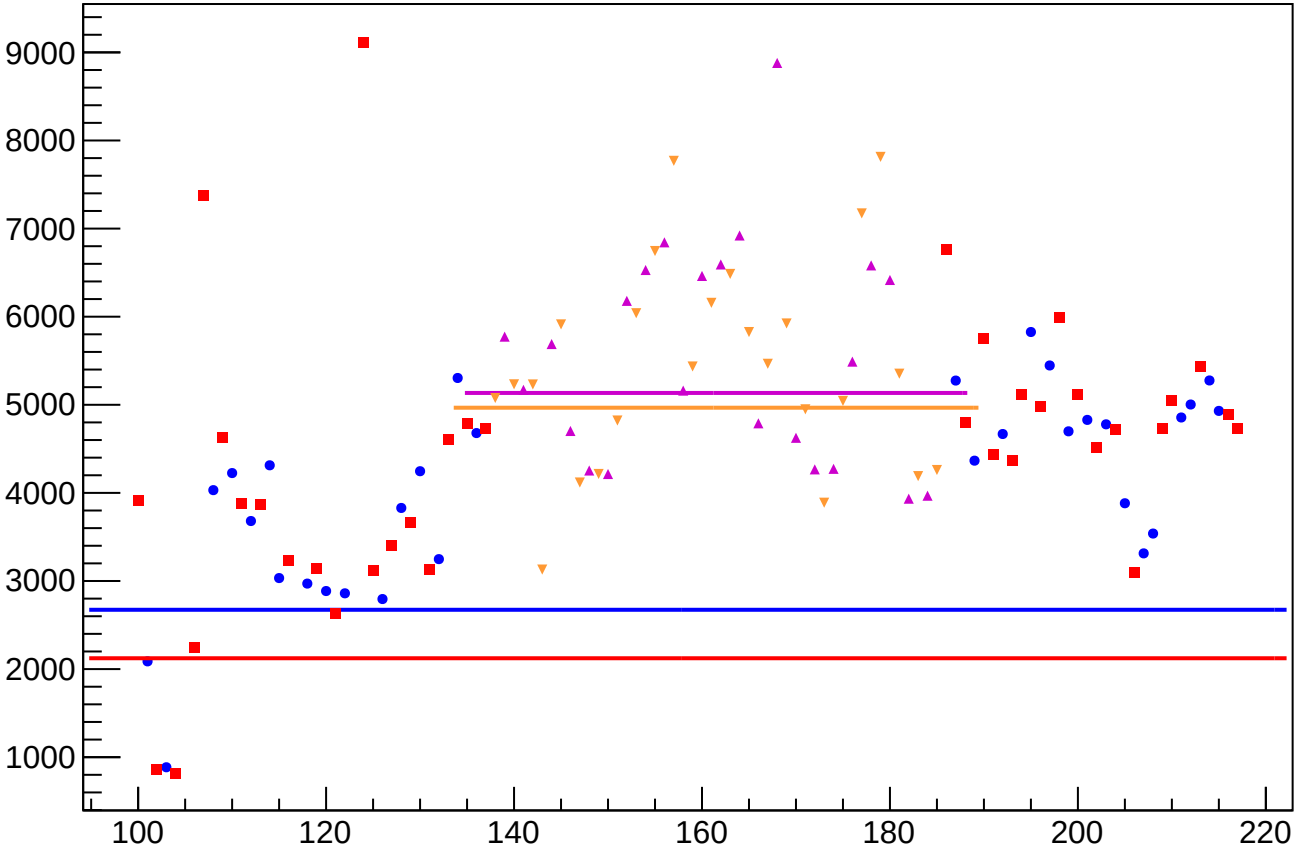
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -208.523+/-614.393 χ^2/NDF: 68.1/55

All: -162.283+/-405.722 χ^2/NDF: 136.6/114

\- sign -126.525+/-540.281 χ^2/NDF: 68.4/58

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2673.240+/-0.511 χ^2/NDF: 10426369.5/30

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2123.069+/-0.425 χ^2/NDF: 16223317.8/35

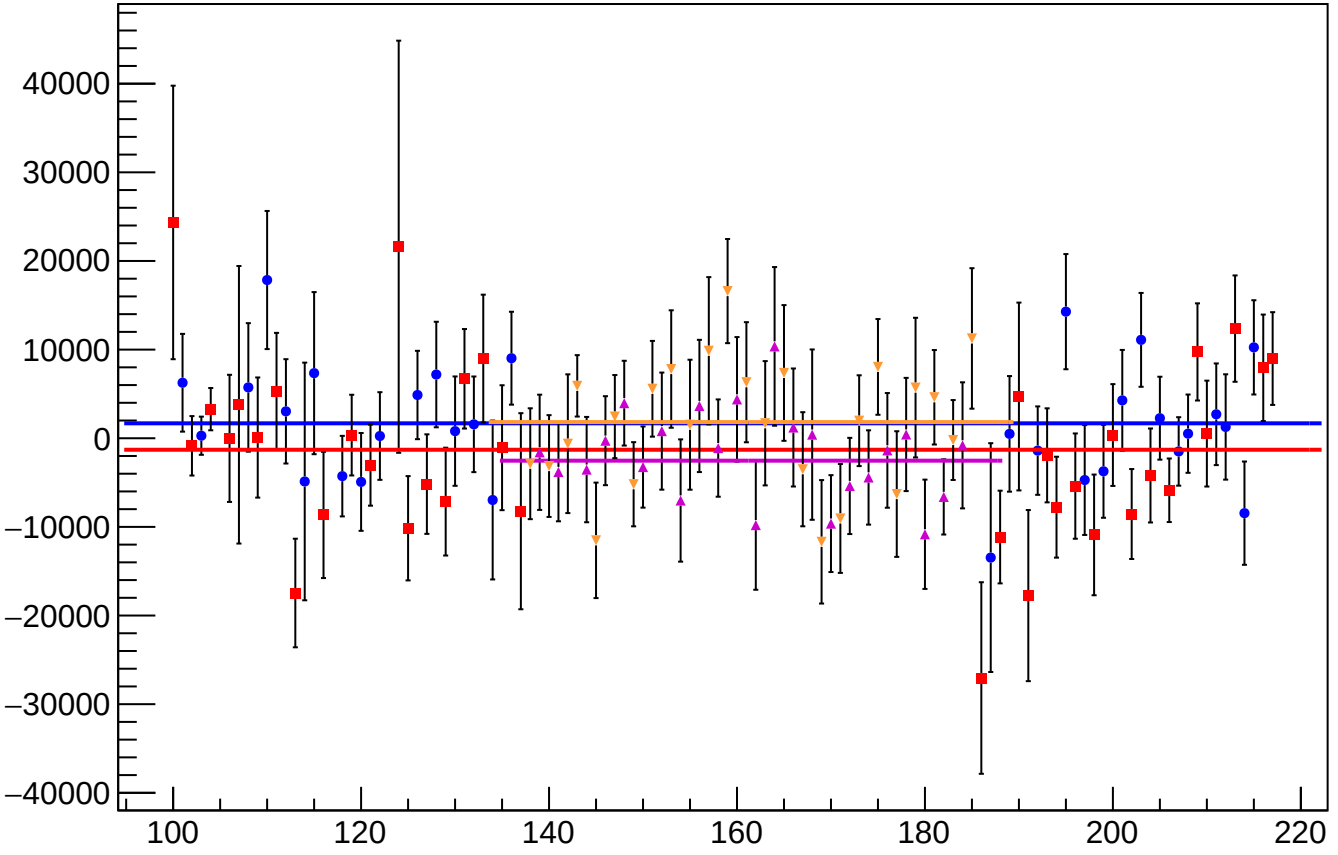
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3311.754+/-0.434 χ^2/NDF: 17943693.4/55

All: 2969.775+/-0.287 χ^2/NDF: 46443560.1/1

- sign 2705.324+/-0.382 χ^2/NDF: 27401072.5/58

asym_atl_avg_mean vs Slug



Right In: 1685.235+/-936.299 χ^2/NDF: 31.3/30

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1297.456+/-926.127 χ^2/NDF: 60.9/35

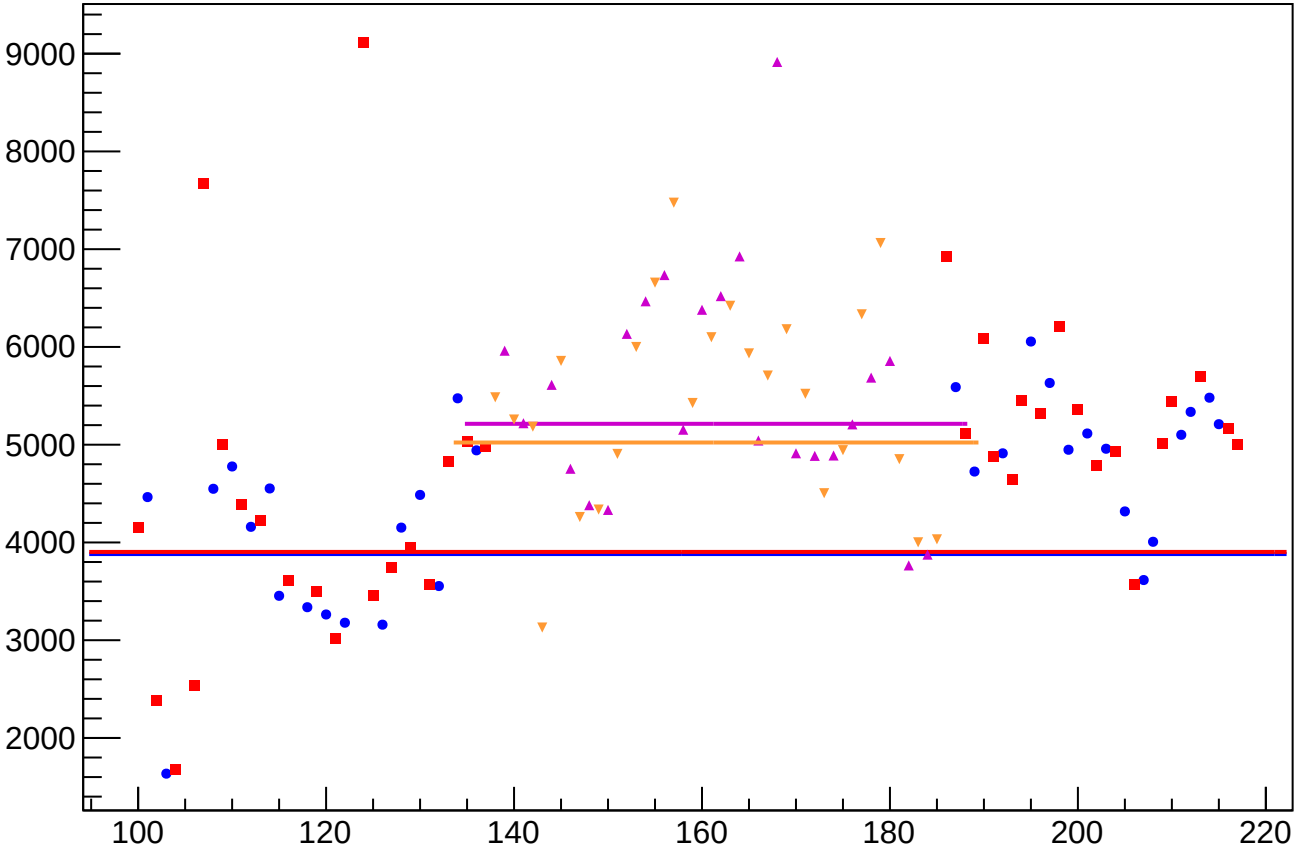
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1740.126+/-731.639 χ^2/NDF: 62.4/55

All: 26.718+/-521.127 χ^2/NDF: 148.3/114

- sign -1737.695+/-742.449 χ^2/NDF: 74.8/58

asym_atl_avg_rms vs Slug



Right In: 3881.277+/-0.662 χ^2/NDF: 3880034.3/30

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3903.251+/-0.649 χ^2/NDF: 4567011.9/35

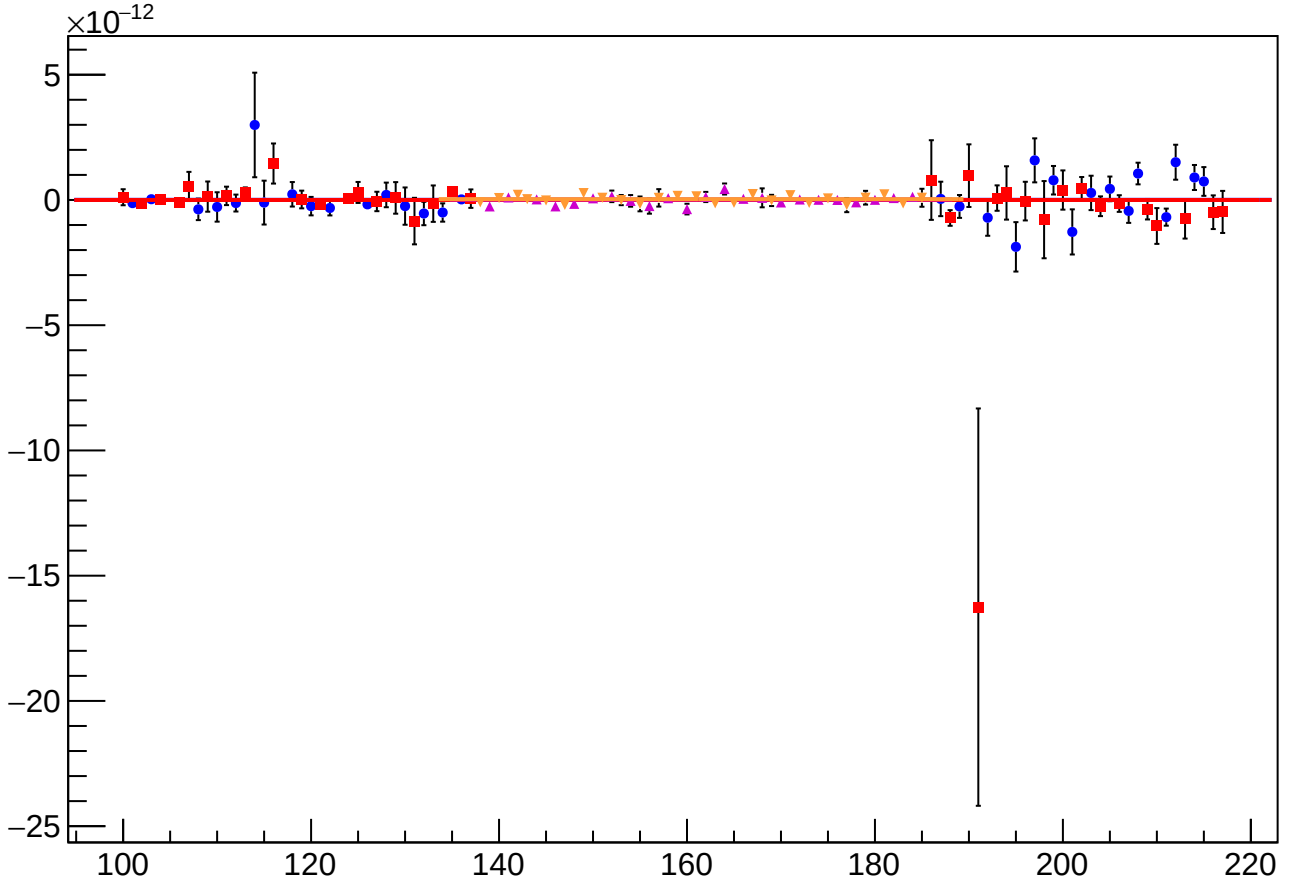
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4325.620+/-0.517 χ^2/NDF: 6713438.8/55

All: 4345.726+/-0.367 χ^2/NDF: 13946341.6/1

- sign 4366.197+/-0.522 χ^2/NDF: 7229854.6/58

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

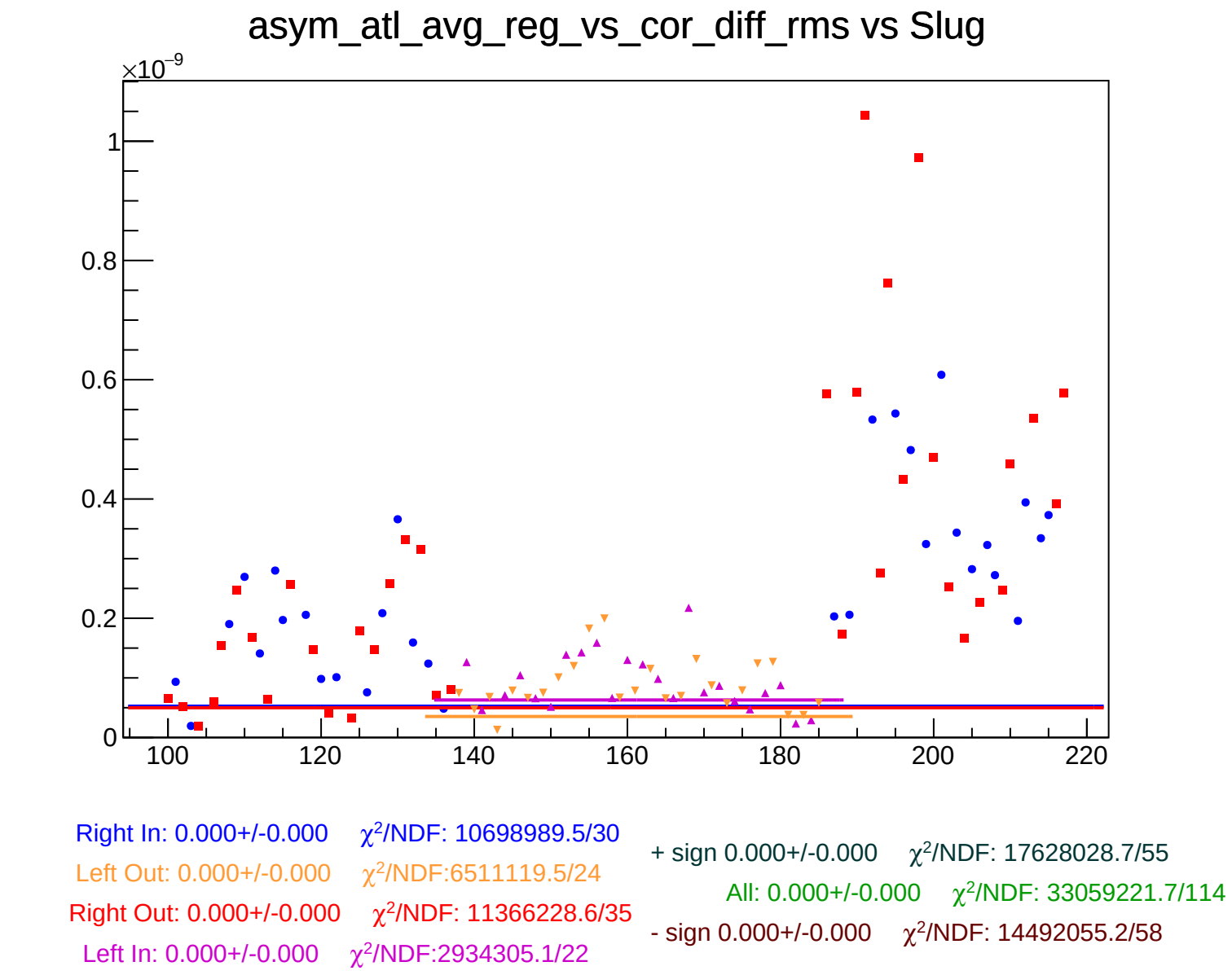
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/35

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

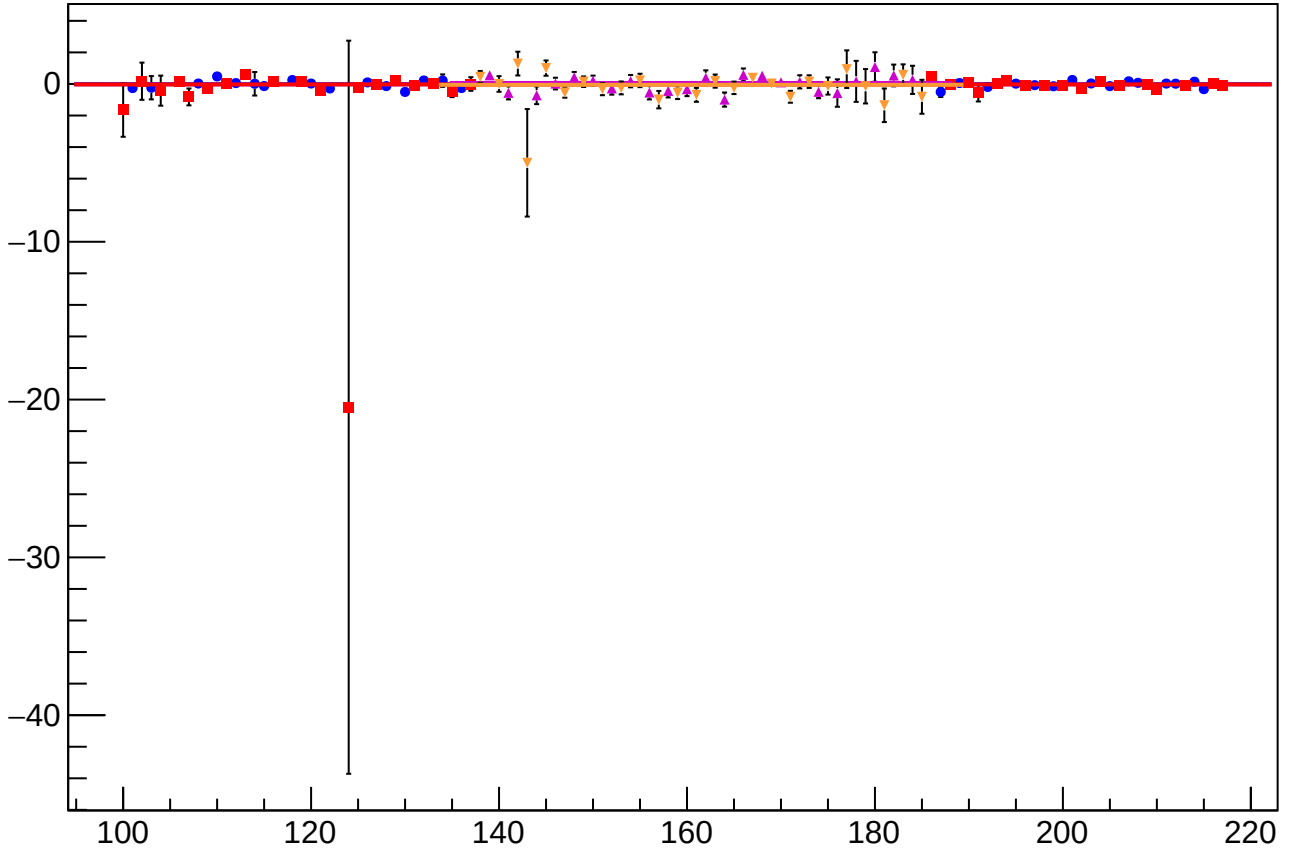
+ sign 0.000+/-0.000 χ^2/NDF: 69.6/55

All: 0.000+/-0.000 χ^2/NDF: 121.7/114

- sign 0.000+/-0.000 χ^2/NDF: 51.7/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 10698989.5/30
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11366228.6/35
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 17628028.7/55
All: 0.000+/-0.000 χ²/NDF: 33059221.7/114
- sign 0.000+/-0.000 χ²/NDF: 14492055.2/58

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

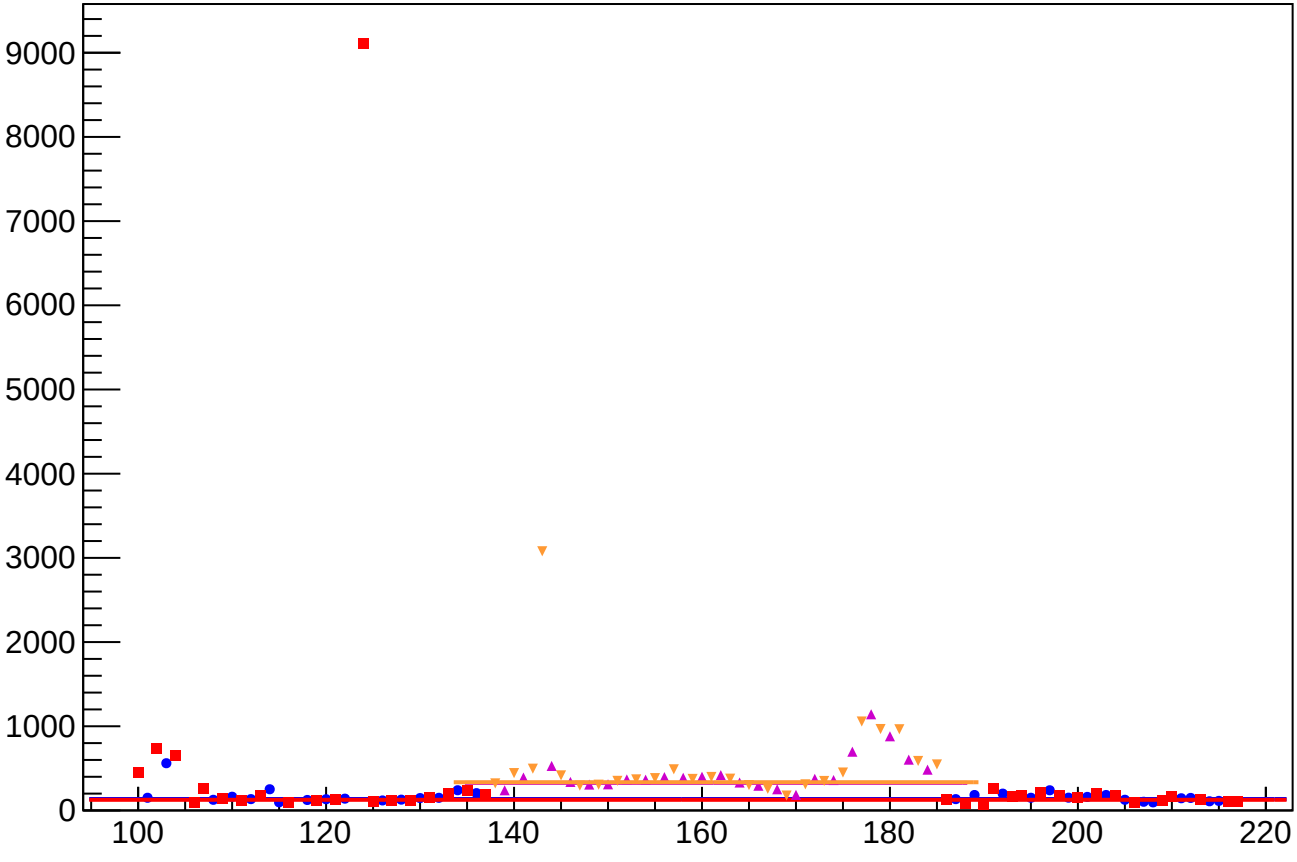
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.031 χ^2/NDF: 69.0/55

All: -0.020+/-0.021 χ^2/NDF: 134.6/114

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 135.928+/-0.024 χ^2/NDF: 2486141.7/30

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

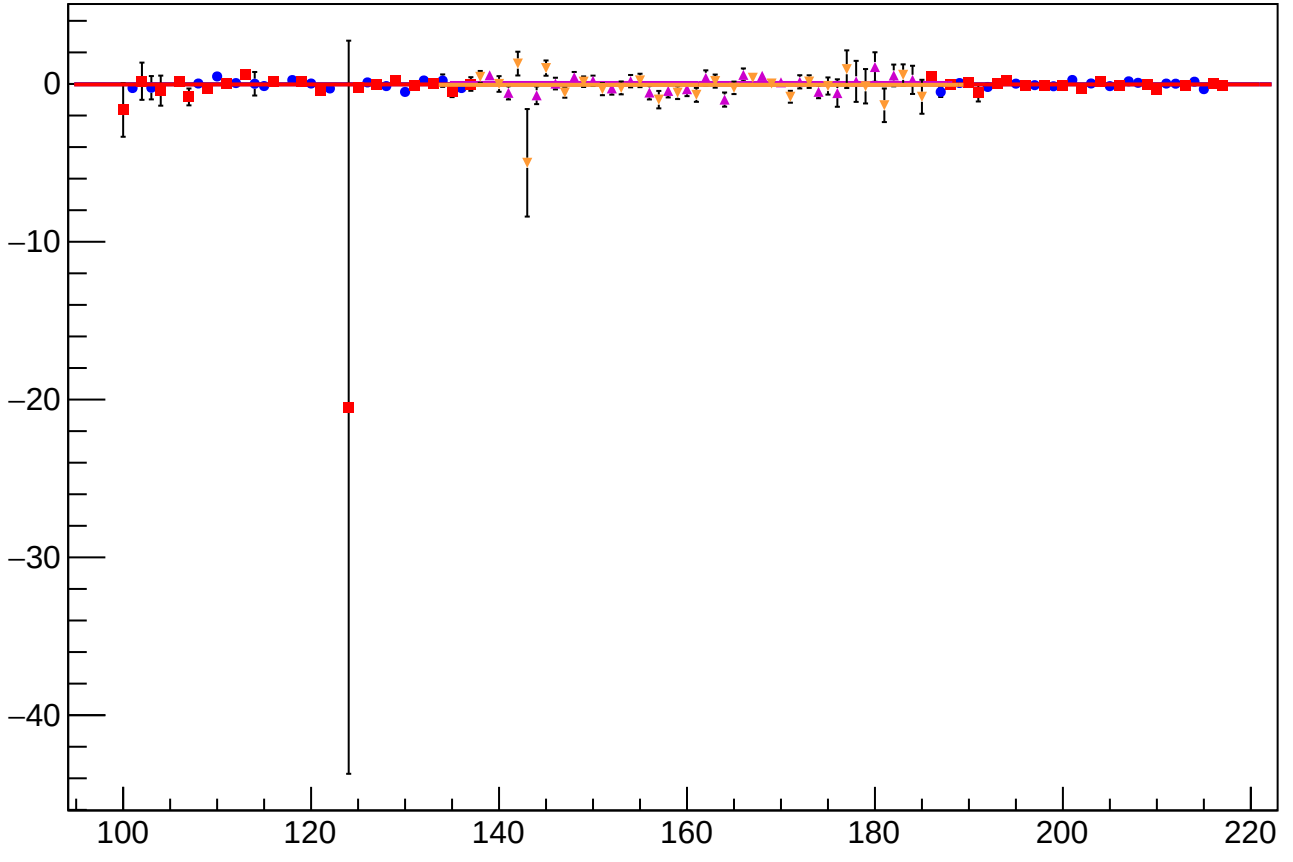
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 162.896+/-0.022 χ^2/NDF: 17927160.3/55

All: 156.886+/-0.015 χ^2/NDF: 36962717.0/11

- sign 151.590+/-0.021 χ^2/NDF: 18895307.3/58

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

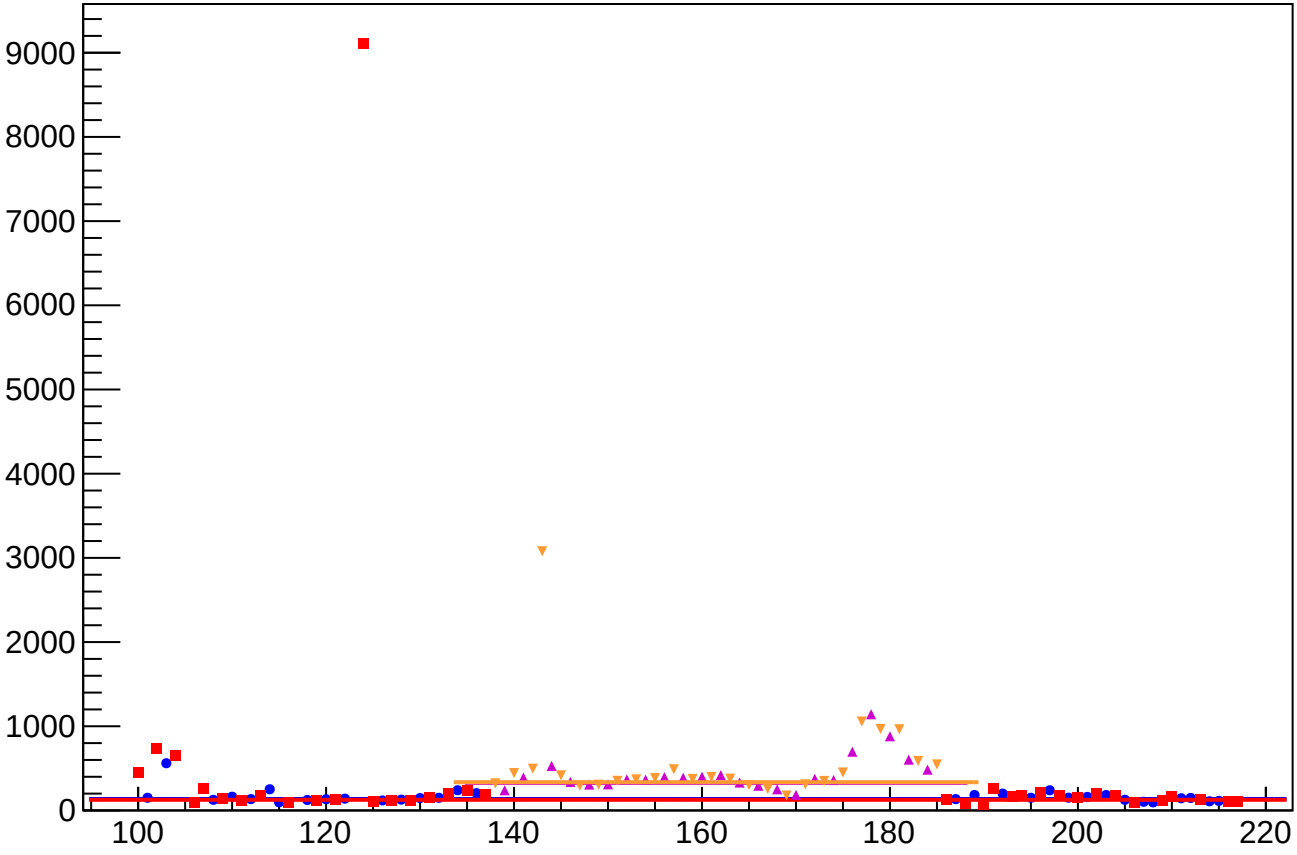
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.031 χ^2/NDF: 69.0/55

All: -0.020+/-0.021 χ^2/NDF: 134.6/114

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 135.928+/-0.024 χ^2/NDF: 2486141.7/30

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

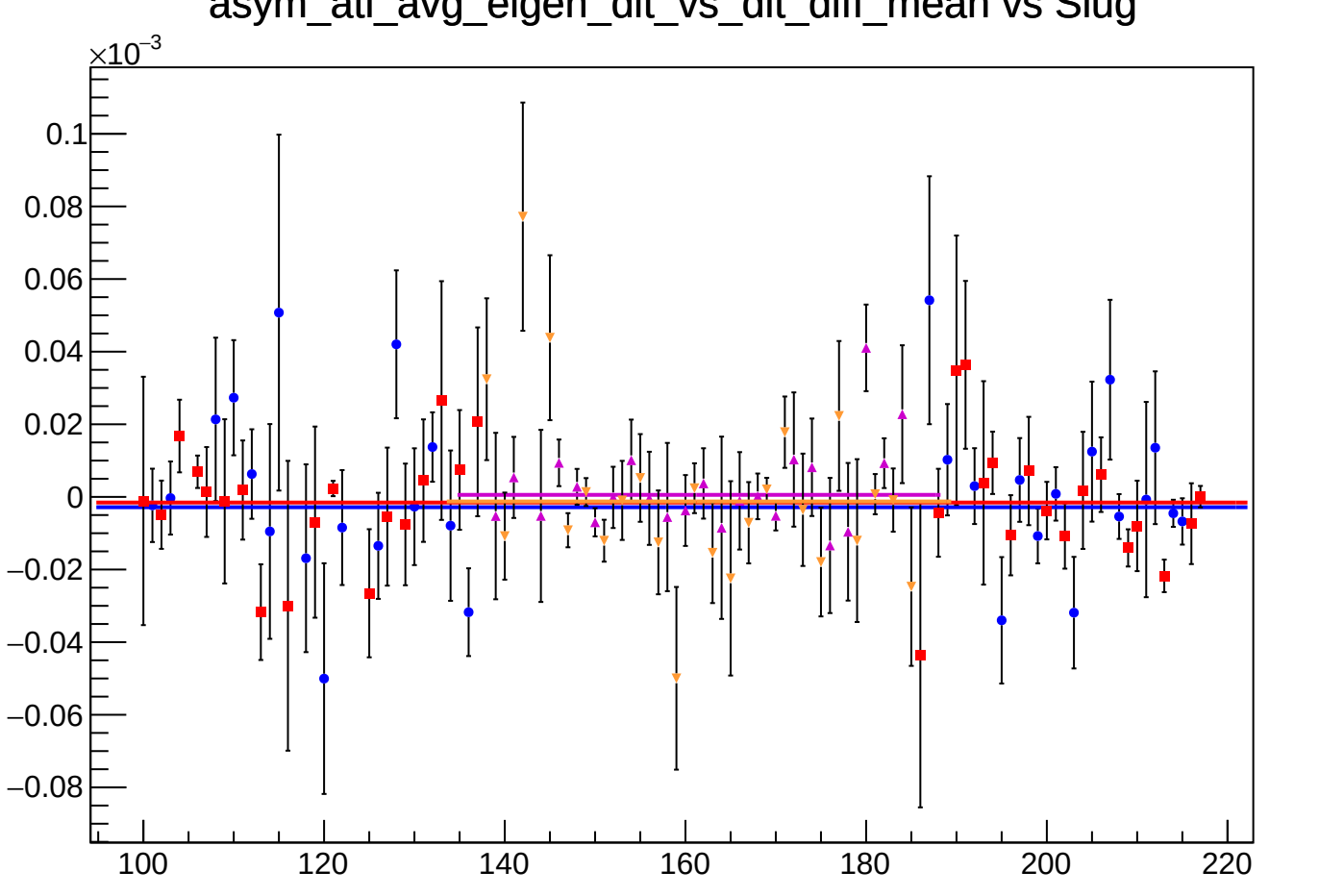
Right Out: 126.510+/-0.022 χ^2/NDF: 4404918.1/35

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 162.896+/-0.022 χ^2/NDF: 17927160.3/55

All: 156.886+/-0.015 χ^2/NDF: 36962717.0/11

- sign 151.590+/-0.021 χ^2/NDF: 18895307.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.7/34

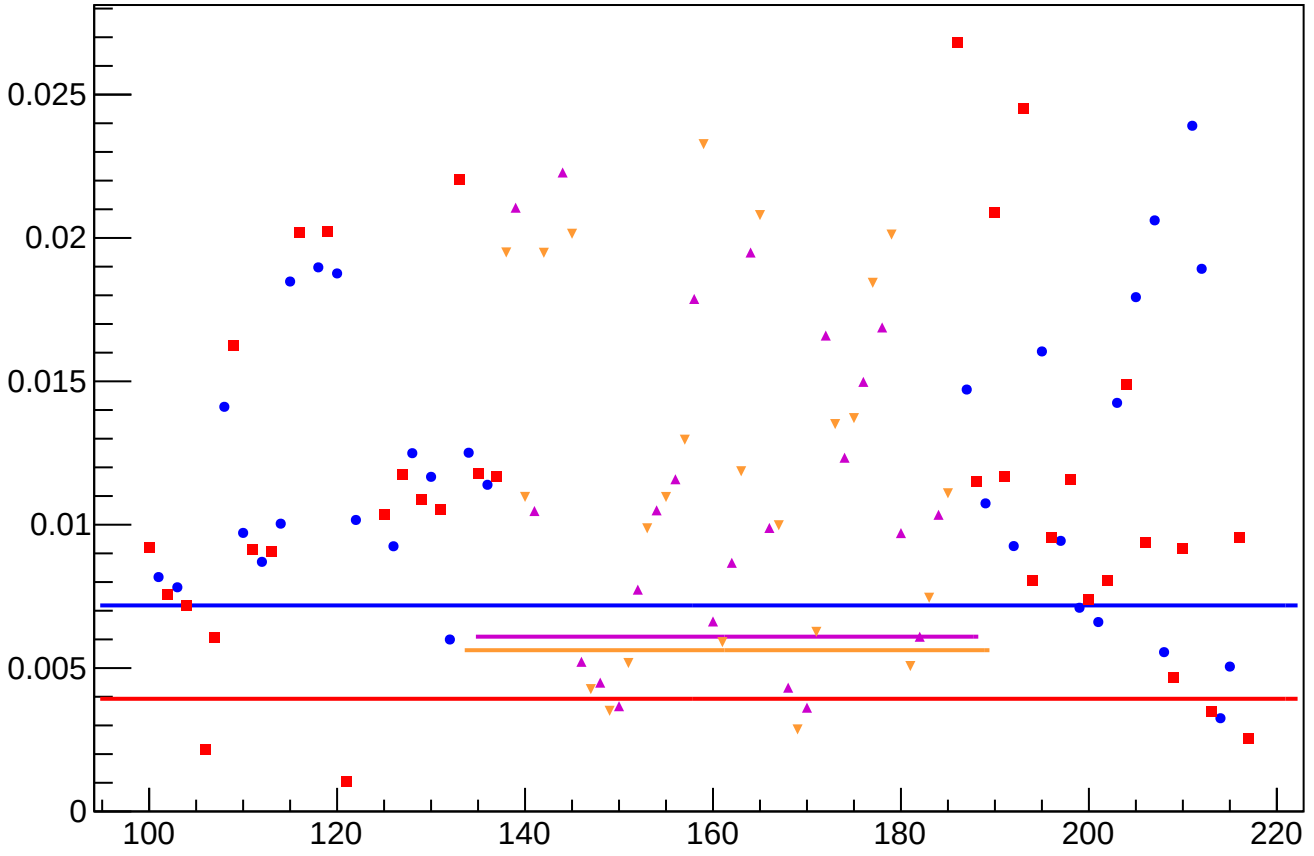
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.5/54

All: -0.000+/-0.000 χ^2/NDF: 160.1/112

- sign -0.000+/-0.000 χ^2/NDF: 83.2/57

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 8574147.3/30

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 17693892.2/34

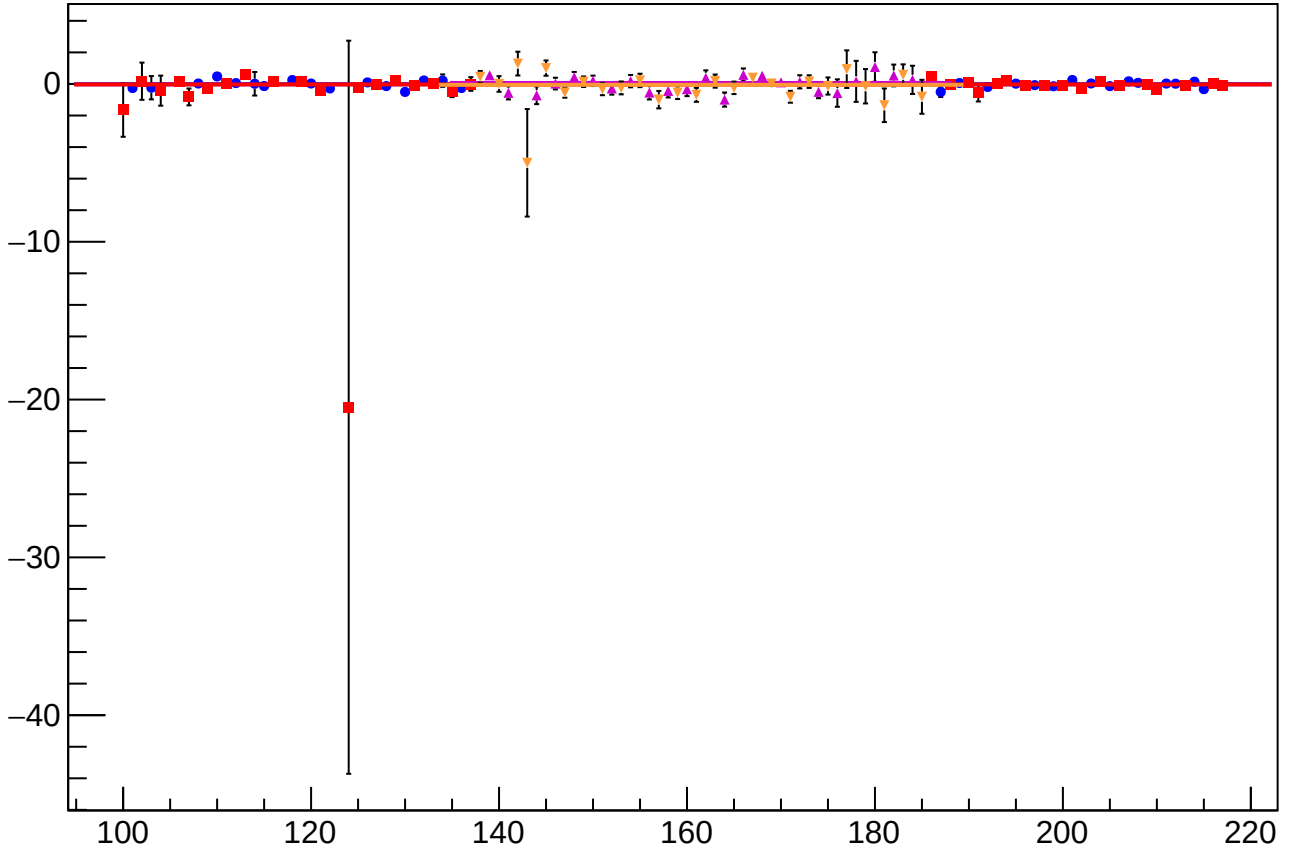
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 20525826.6/54

All: 0.005+/-0.000 χ^2/NDF: 51039840.6/112

- sign 0.005+/-0.000 χ^2/NDF: 28548718.4/57

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

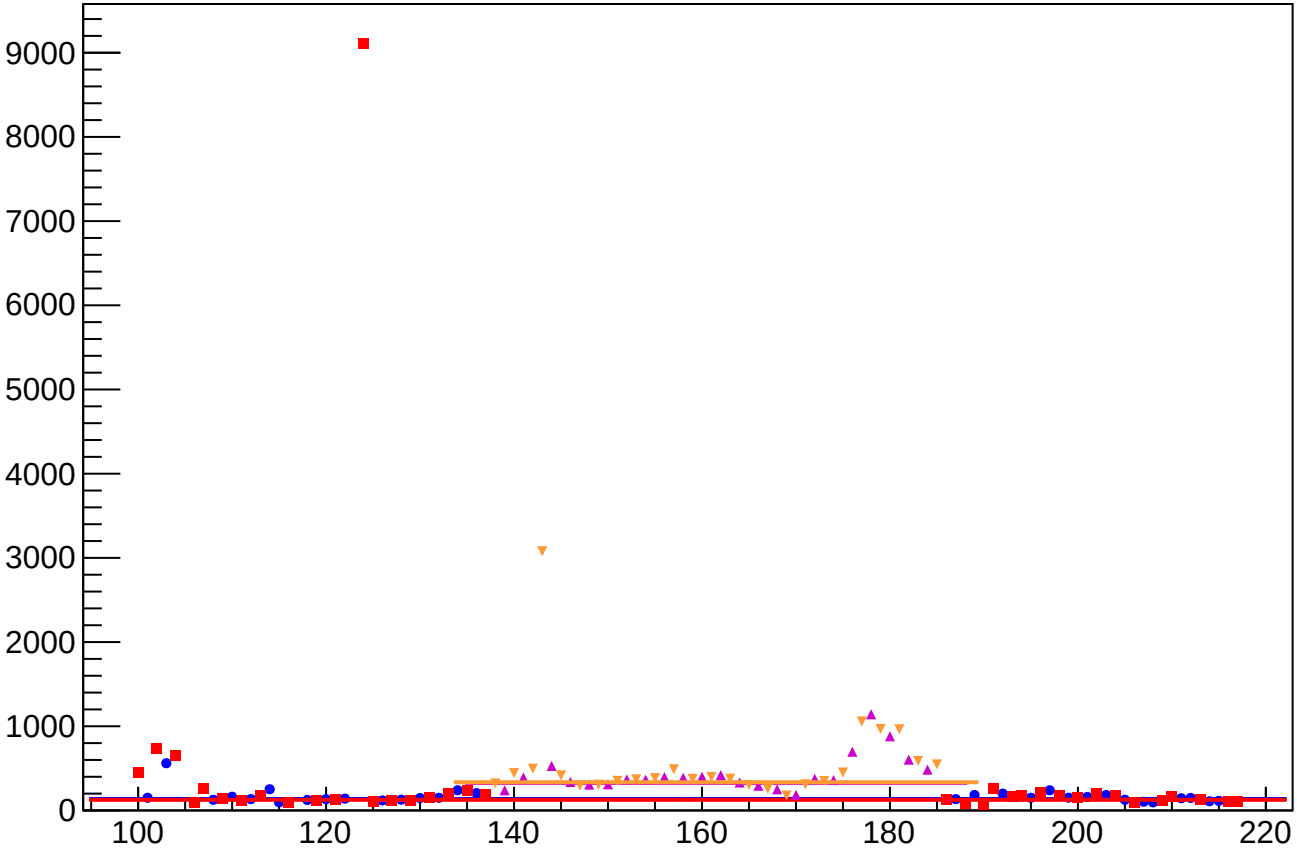
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.031 χ^2/NDF: 69.0/55

All: -0.020+/-0.021 χ^2/NDF: 134.6/114

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 135.925+/-0.024 χ^2/NDF: 2486353.2/30

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

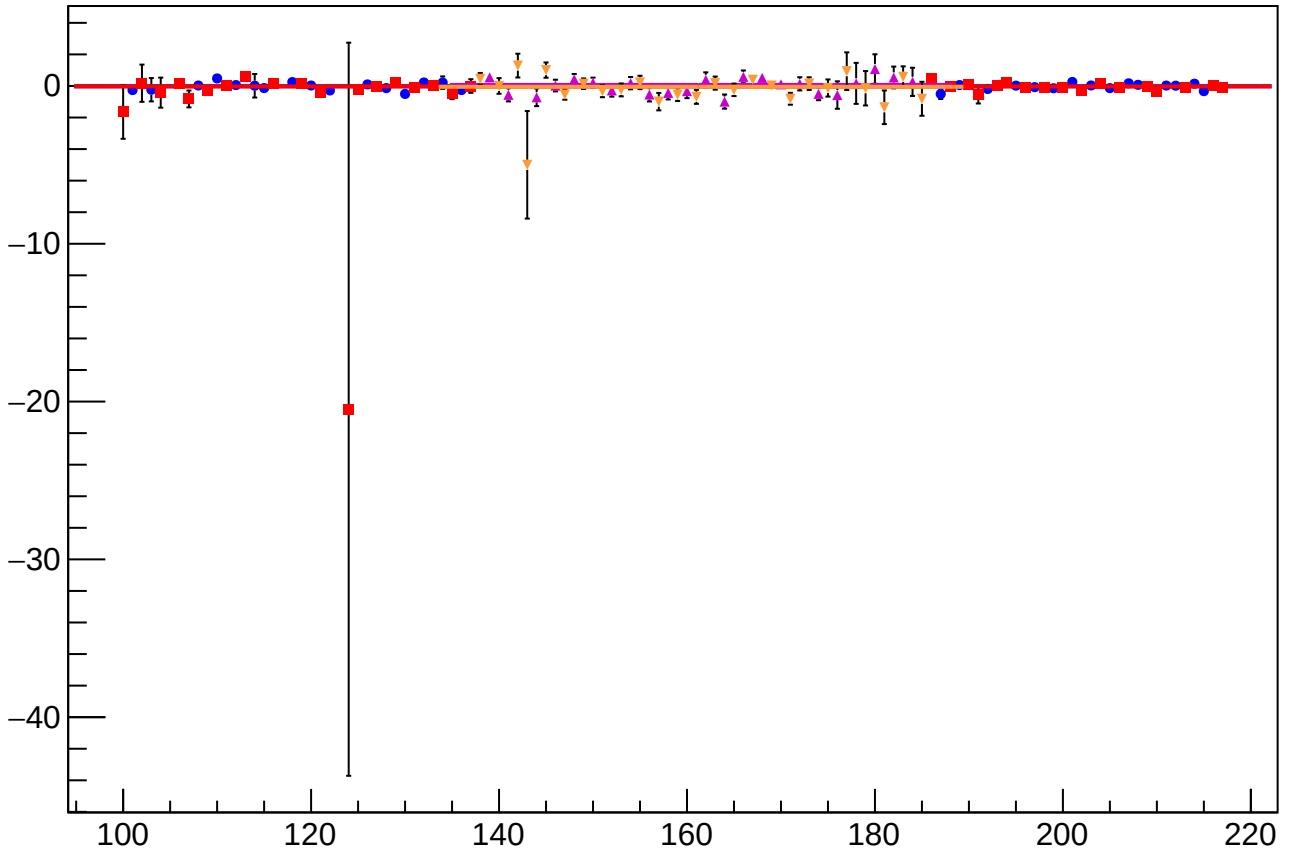
Right Out: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 162.893+/-0.022 χ^2/NDF: 17927837.3/55

All: 156.883+/-0.015 χ^2/NDF: 36963786.6/11

- sign 151.588+/-0.021 χ^2/NDF: 18895728.9/58



Right In: -0.017+/-0.033 χ^2/NDF: 35.8/30

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.030+/-0.031 χ^2/NDF: 36.4/35

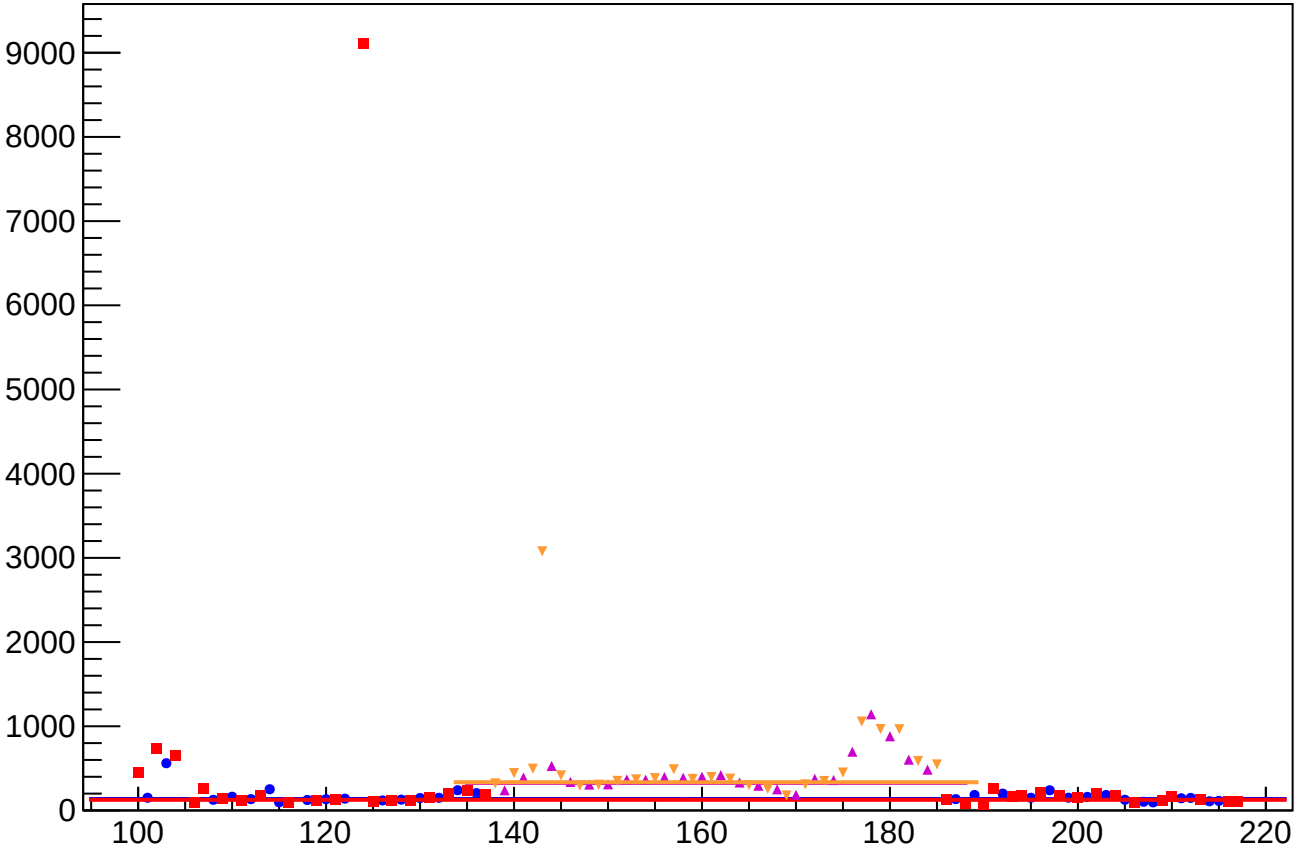
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.022+/-0.031 χ^2/NDF: 69.0/55

All: -0.020+/-0.021 χ^2/NDF: 134.6/114

- sign -0.018+/-0.029 χ^2/NDF: 65.5/58

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 135.925+/-0.024 χ^2/NDF: 2486353.2/30

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

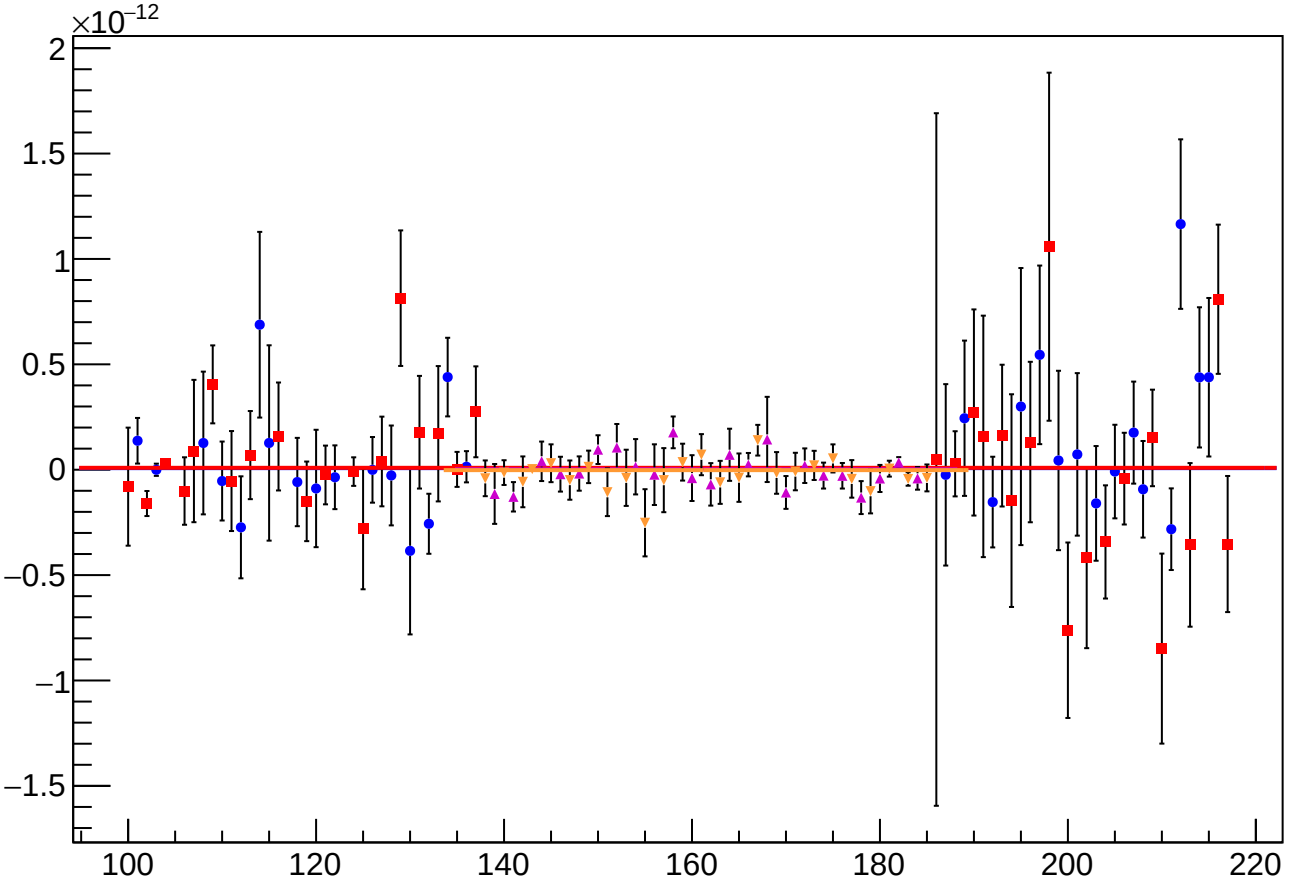
Right Out: 126.509+/-0.022 χ^2/NDF: 4405003.6/35

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 162.893+/-0.022 χ^2/NDF: 17927837.3/55

All: 156.883+/-0.015 χ^2/NDF: 36963786.6/11

- sign 151.588+/-0.021 χ^2/NDF: 18895728.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

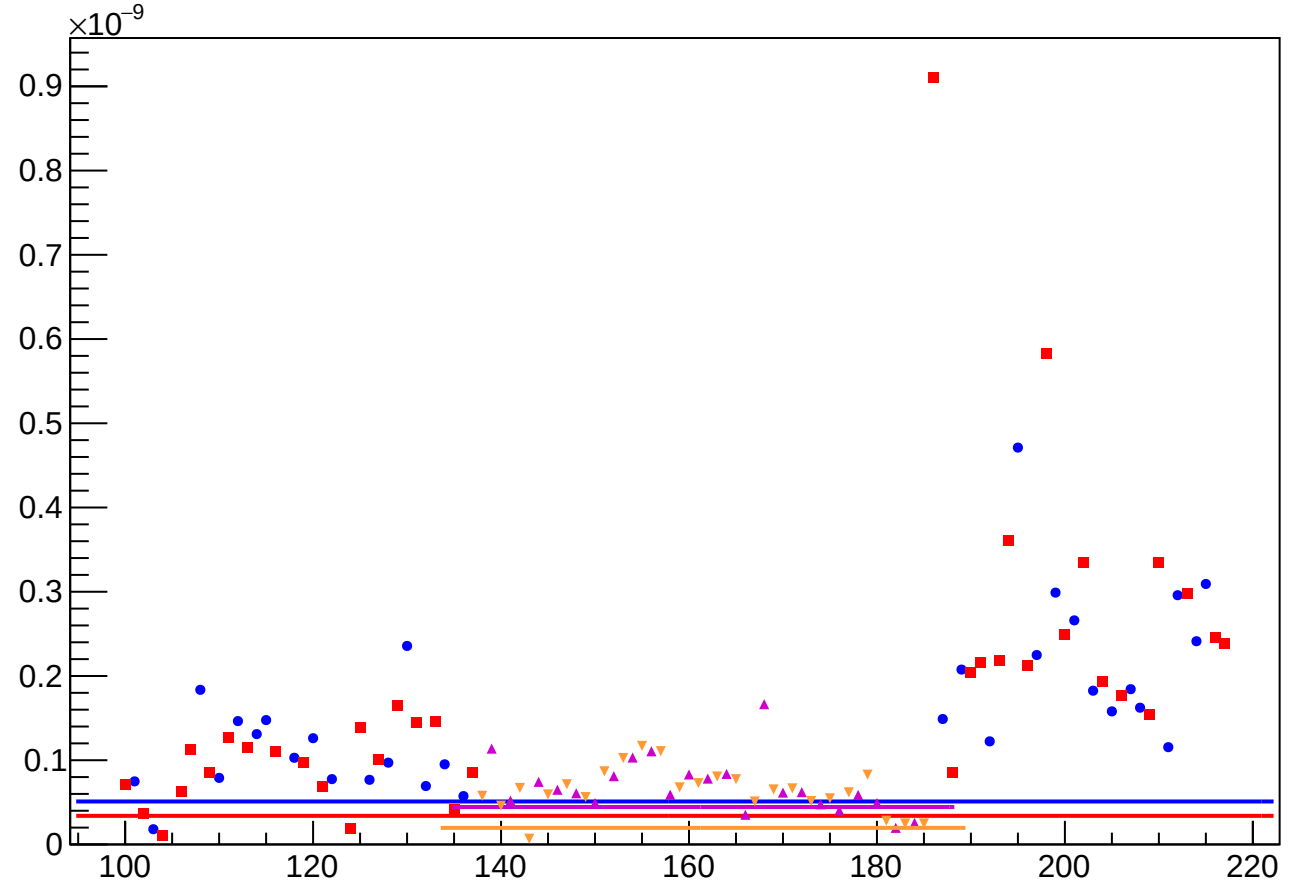
Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/35

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/55

All: 0.000+/-0.000 χ^2/NDF: 114.5/114

- sign 0.000+/-0.000 χ^2/NDF: 67.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 12264481.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16139225.1/35

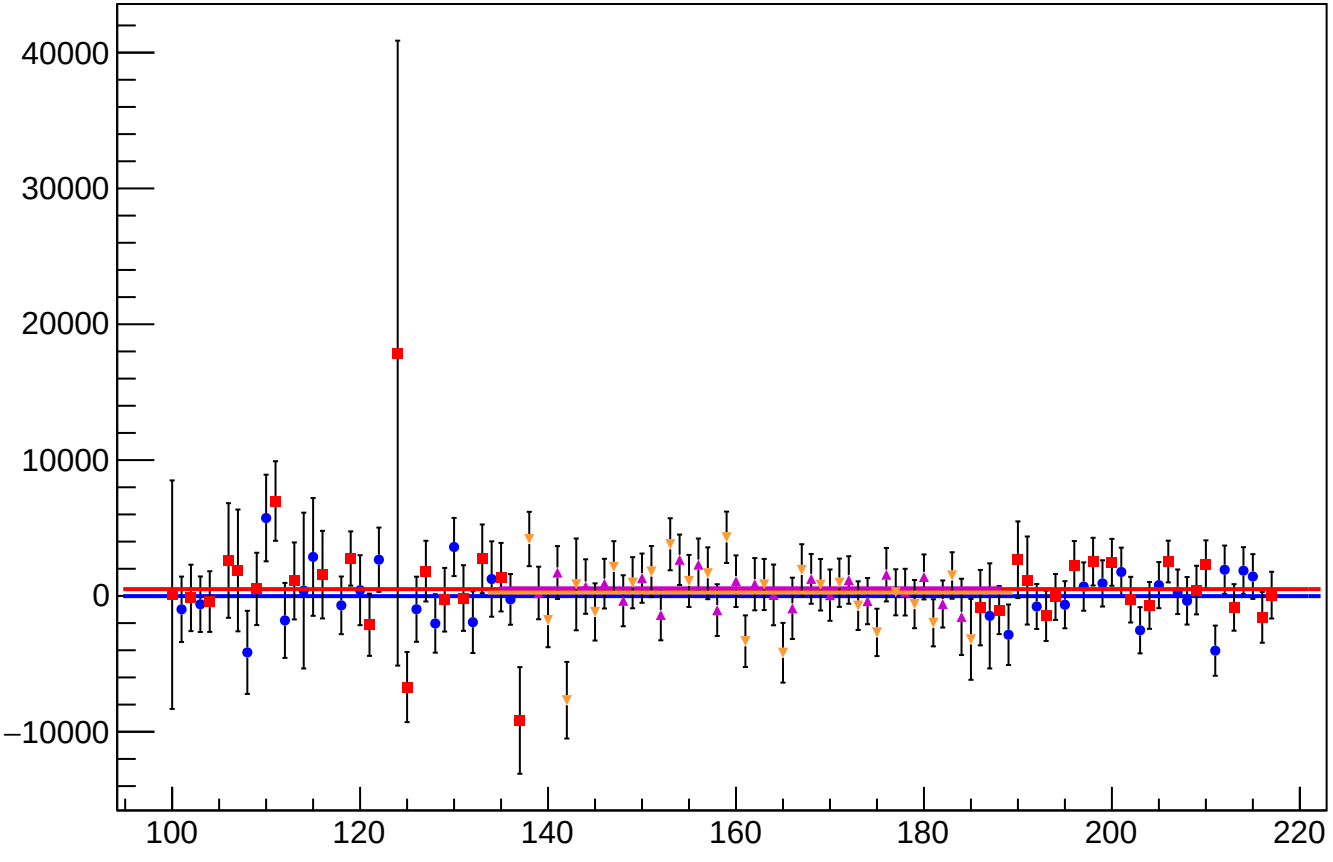
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 30480541.9/55

All: 0.000+/-0.000 χ^2/NDF: 56117032.9/114

- sign 0.000+/-0.000 χ^2/NDF: 22477894.4/58

reg_asym_atl_dd_mean vs Slug



Right In: -14.954+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 501.126+/-365.604 χ^2/NDF: 36.0/35

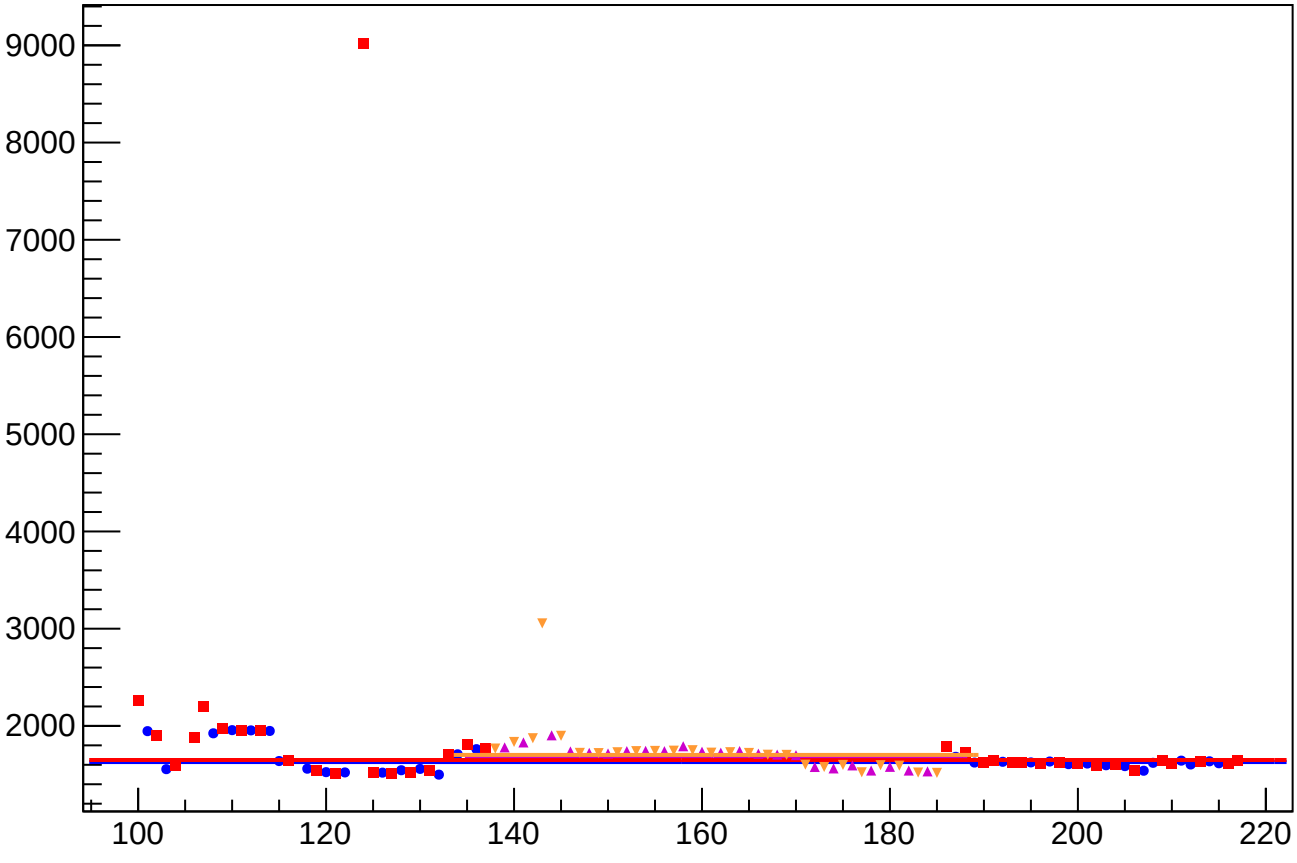
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 110.675+/-268.639 χ^2/NDF: 66.2/55

All: 319.705+/-189.853 χ^2/NDF: 110.9/114

- sign 528.280+/-268.347 χ^2/NDF: 43.5/58

reg_asym_atl_dd_rms vs Slug



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1649.370+/-0.258 χ^2/NDF: 423864.9/35

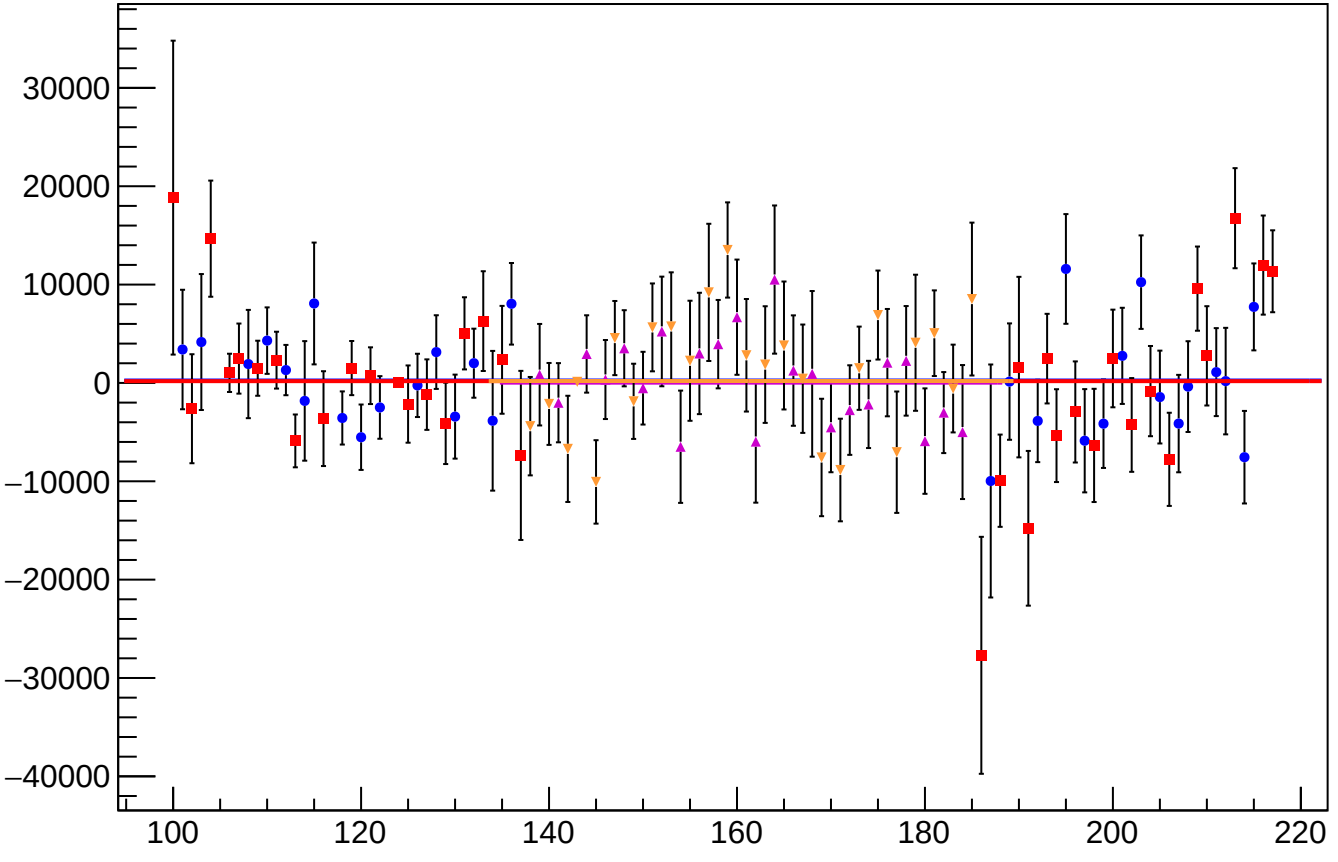
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1663.239+/-0.190 χ^2/NDF: 647395.6/55

All: 1665.493+/-0.134 χ^2/NDF: 1204856.8/11

- sign 1667.739+/-0.190 χ^2/NDF: 557180.0/58

asym_atl_dd_reg_correction_mean vs Slug



Right In: 245.123+/-768.693 χ^2/NDF: 34.7/30

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 180.812+/-313.258 χ^2/NDF: 70.1/35

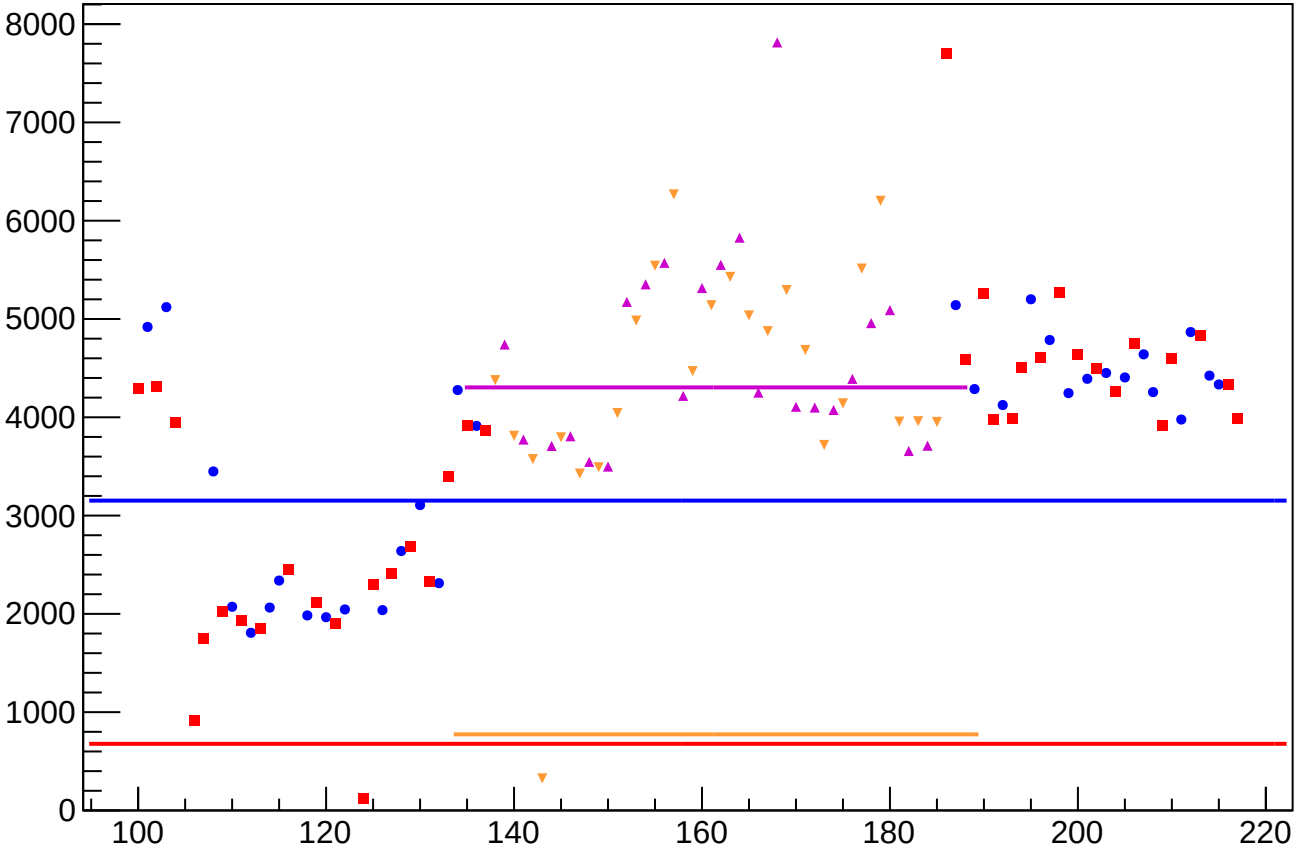
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 202.080+/-313.332 χ^2/NDF: 68.6/55

All: 184.188+/-216.538 χ^2/NDF: 152.0/114

- sign 167.832+/-299.592 χ^2/NDF: 83.4/58

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3152.228+/-0.544 χ^2/NDF: 4663865.3/30

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 677.999+/-0.222 χ^2/NDF: 31323890.0/35

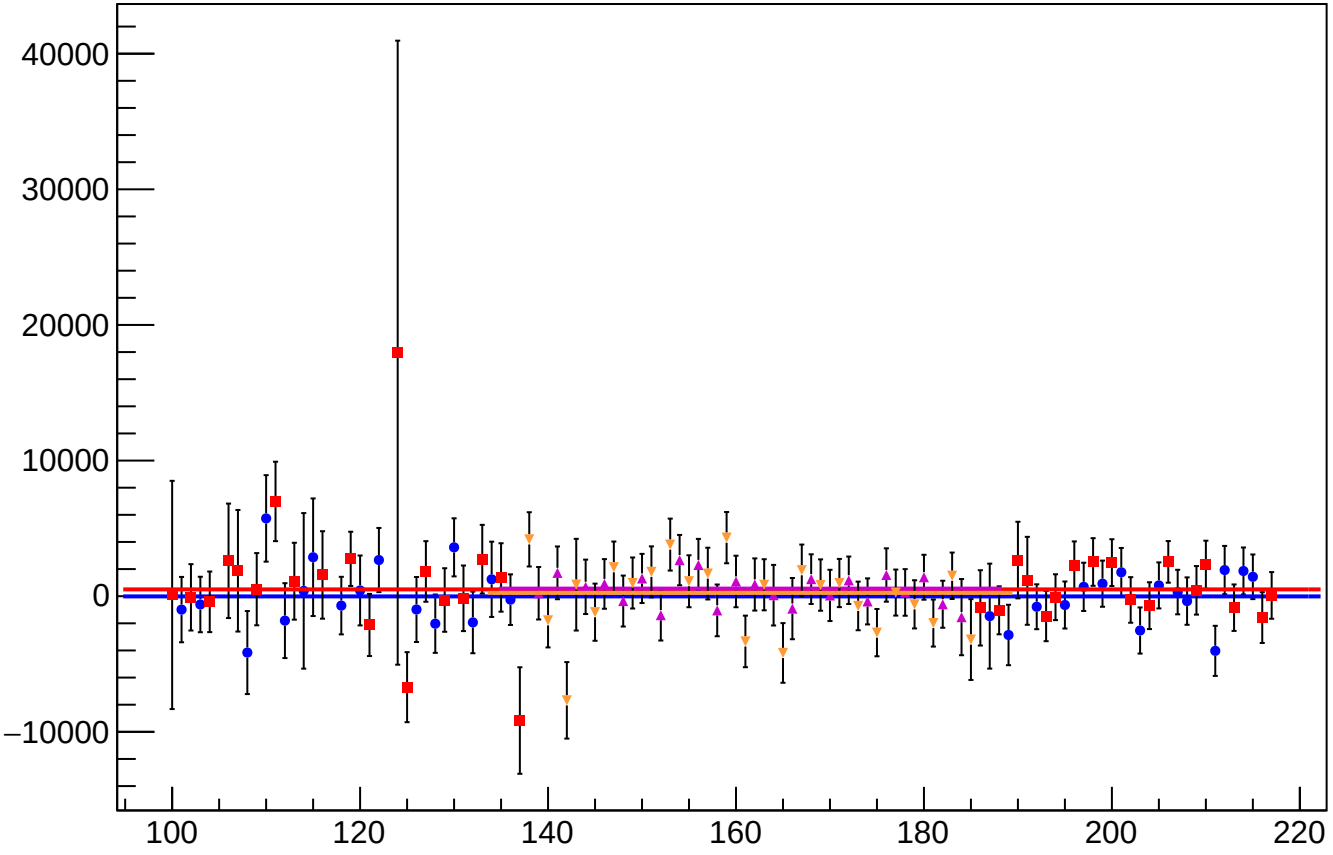
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1169.338+/-0.222 χ^2/NDF: 48709491.9/55

All: 1074.334+/-0.153 χ^2/NDF: 104473015.5

- sign 987.480+/-0.212 χ^2/NDF: 55411560.5/58

cor_asym_atl_dd_mean vs Slug



Right In: -14.893+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 502.554+/-365.605 χ^2/NDF: 36.0/35

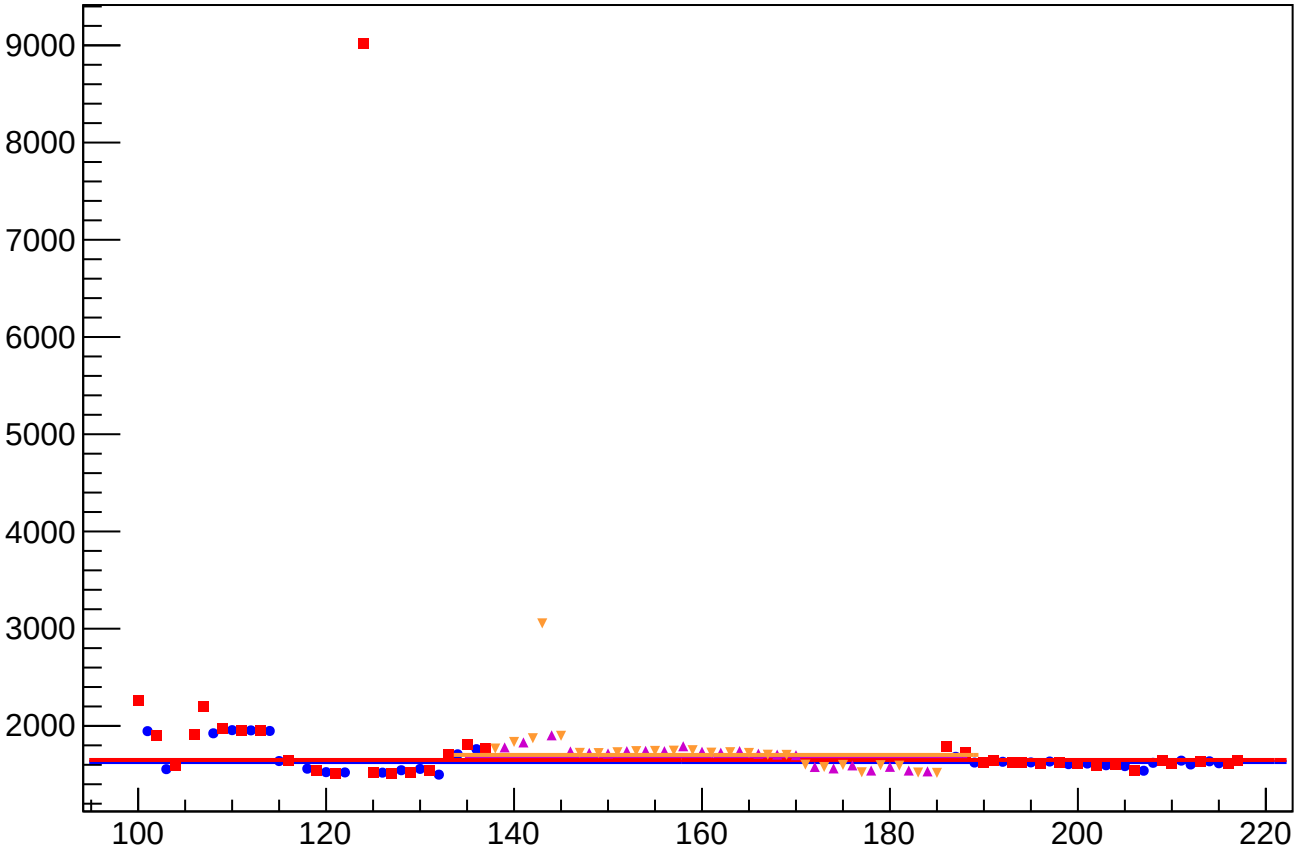
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 110.699+/-268.639 χ^2/NDF: 66.2/55

All: 320.094+/-189.853 χ^2/NDF: 110.9/114

- sign 529.034+/-268.348 χ^2/NDF: 43.5/58

cor_asym_atl_dd_rms vs Slug



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

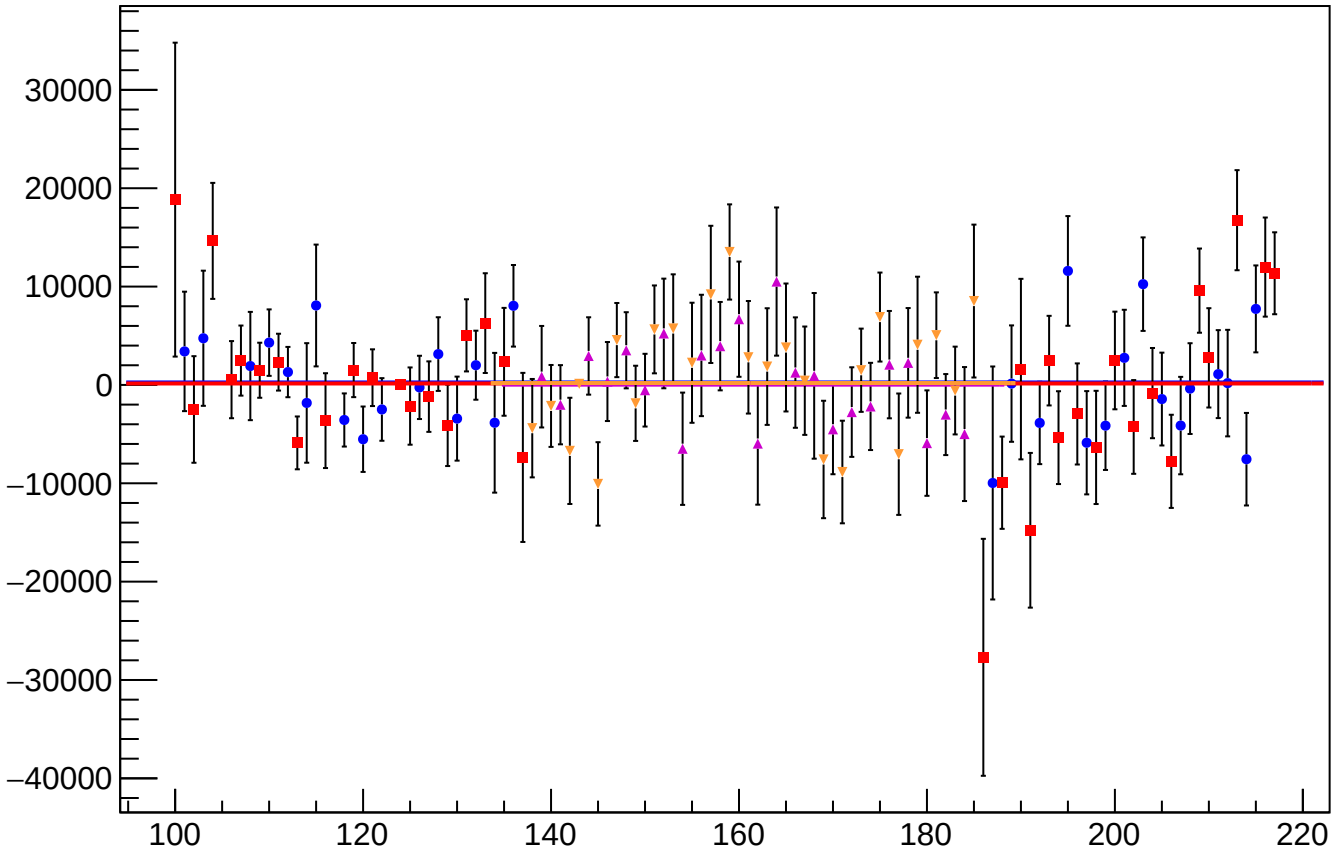
Right Out: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1663.239+/-0.190 χ^2/NDF: 647395.6/55

All: 1665.562+/-0.134 χ^2/NDF: 1206853.8/11

- sign 1667.877+/-0.190 χ^2/NDF: 559159.5/58



Right In: 253.214+/-768.632 χ^2/NDF: 34.8/30

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 146.973+/-306.030 χ^2/NDF: 70.0/35

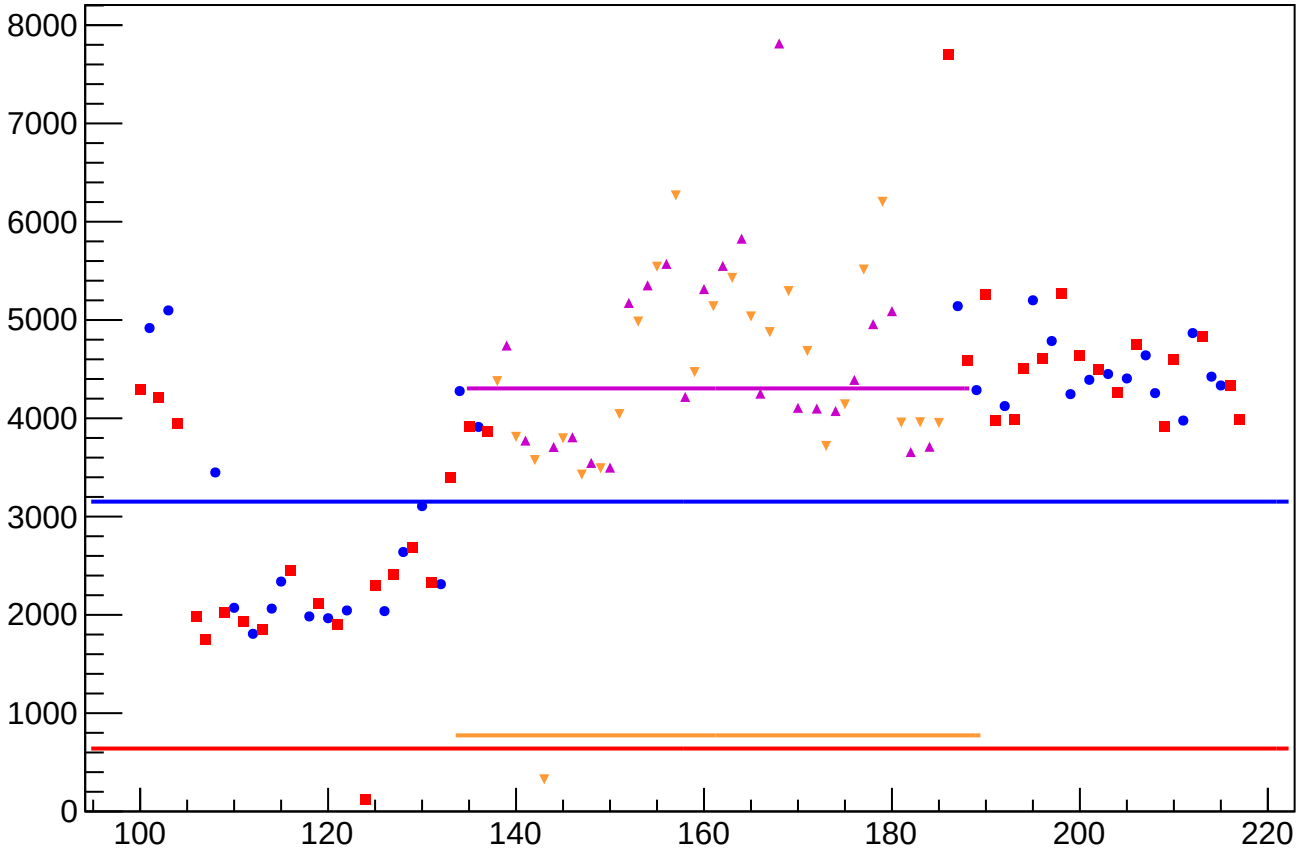
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 203.768+/-313.309 χ^2/NDF: 68.7/55

All: 168.342+/-214.100 χ^2/NDF: 151.9/114

- sign 137.307+/-293.251 χ^2/NDF: 83.3/58

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3152.220+/-0.544 χ^2/NDF: 4661928.5/30

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

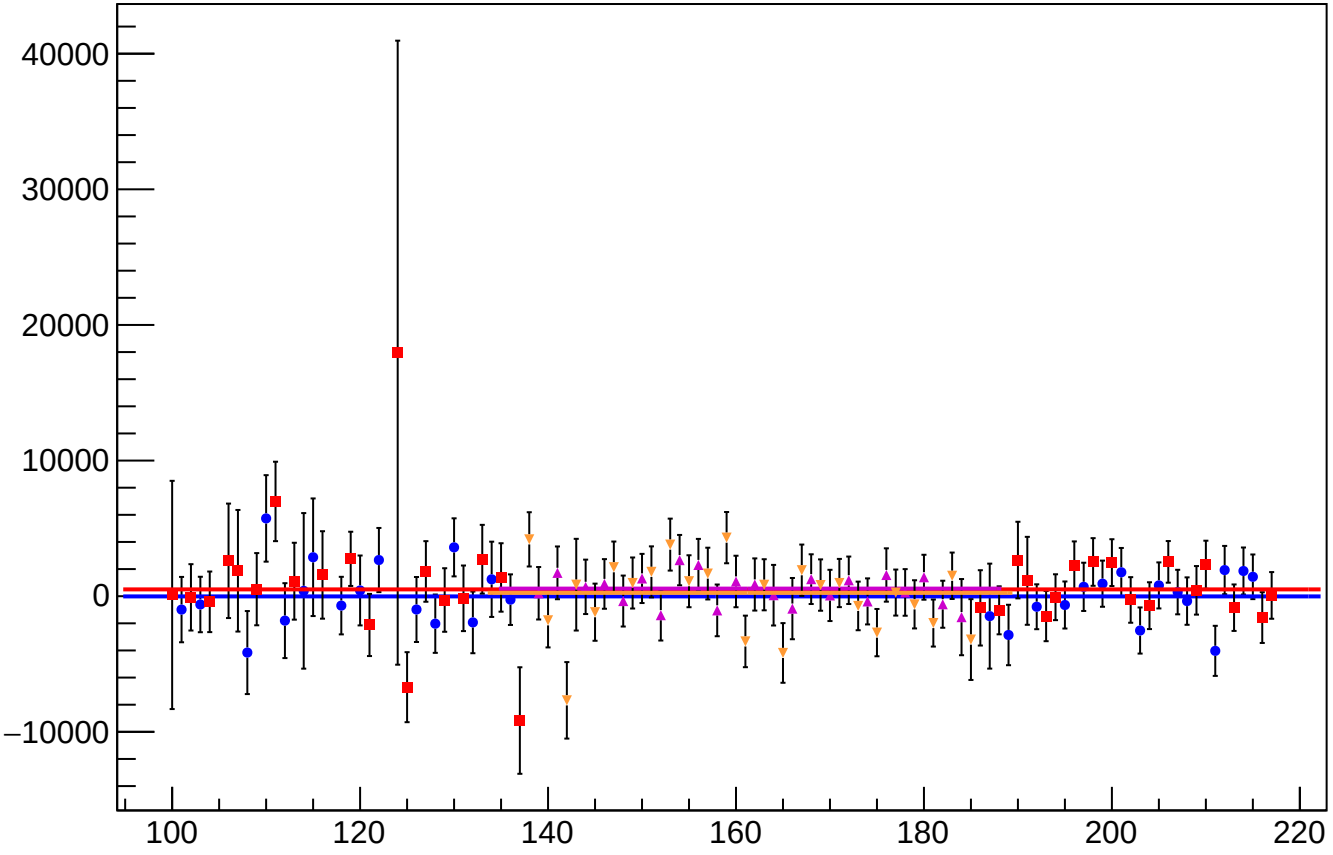
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1169.269+/-0.222 χ^2/NDF: 48711989.0/55

All: 1047.005+/-0.151 χ^2/NDF: 105943601.4/

- sign 939.896+/-0.207 χ^2/NDF: 56660235.7/58

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -14.893+/-371.586 χ^2/NDF: 26.4/30

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 502.554+/-365.605 χ^2/NDF: 36.0/35

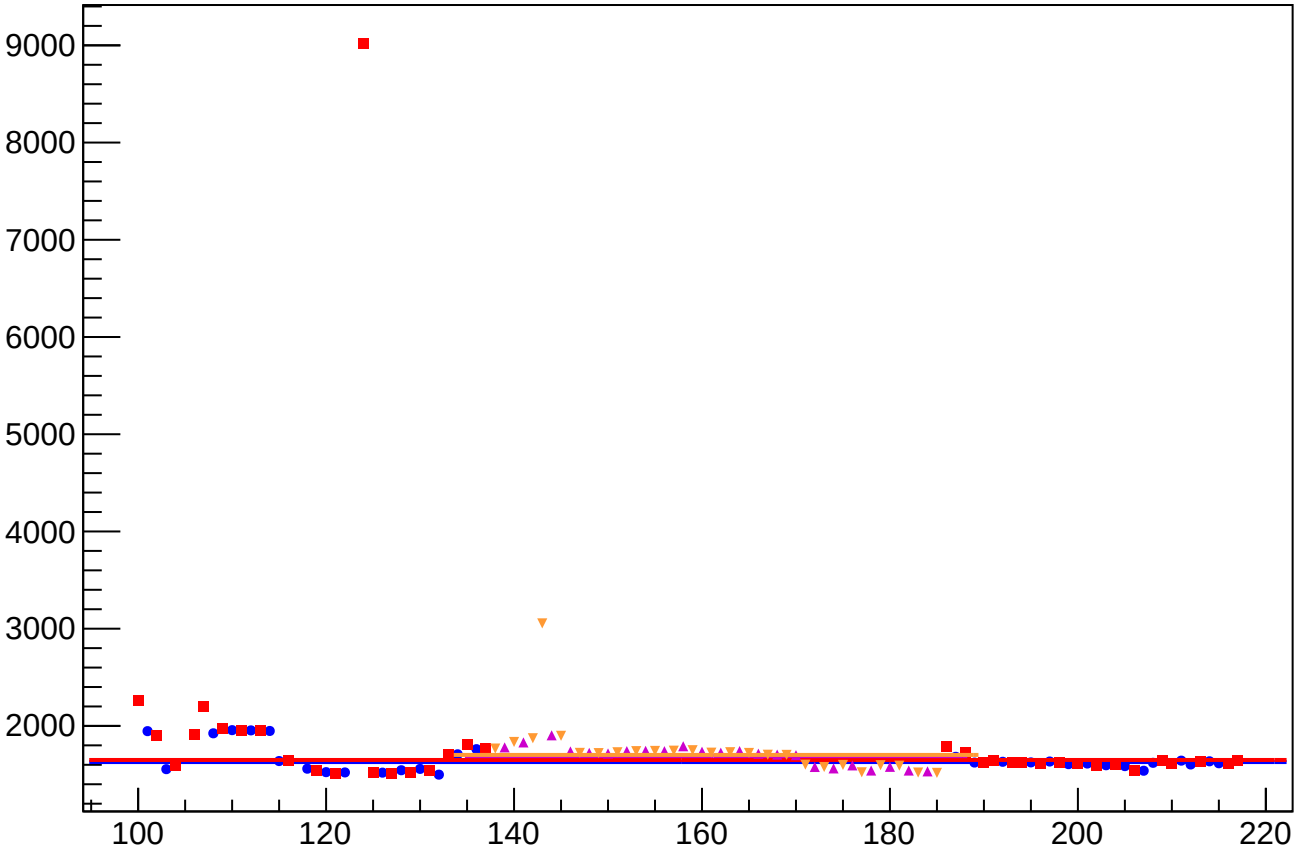
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 110.699+/-268.639 χ^2/NDF: 66.2/55

All: 320.094+/-189.853 χ^2/NDF: 110.9/114

- sign 529.034+/-268.348 χ^2/NDF: 43.5/58

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1628.220+/-0.263 χ^2/NDF: 157803.7/30

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

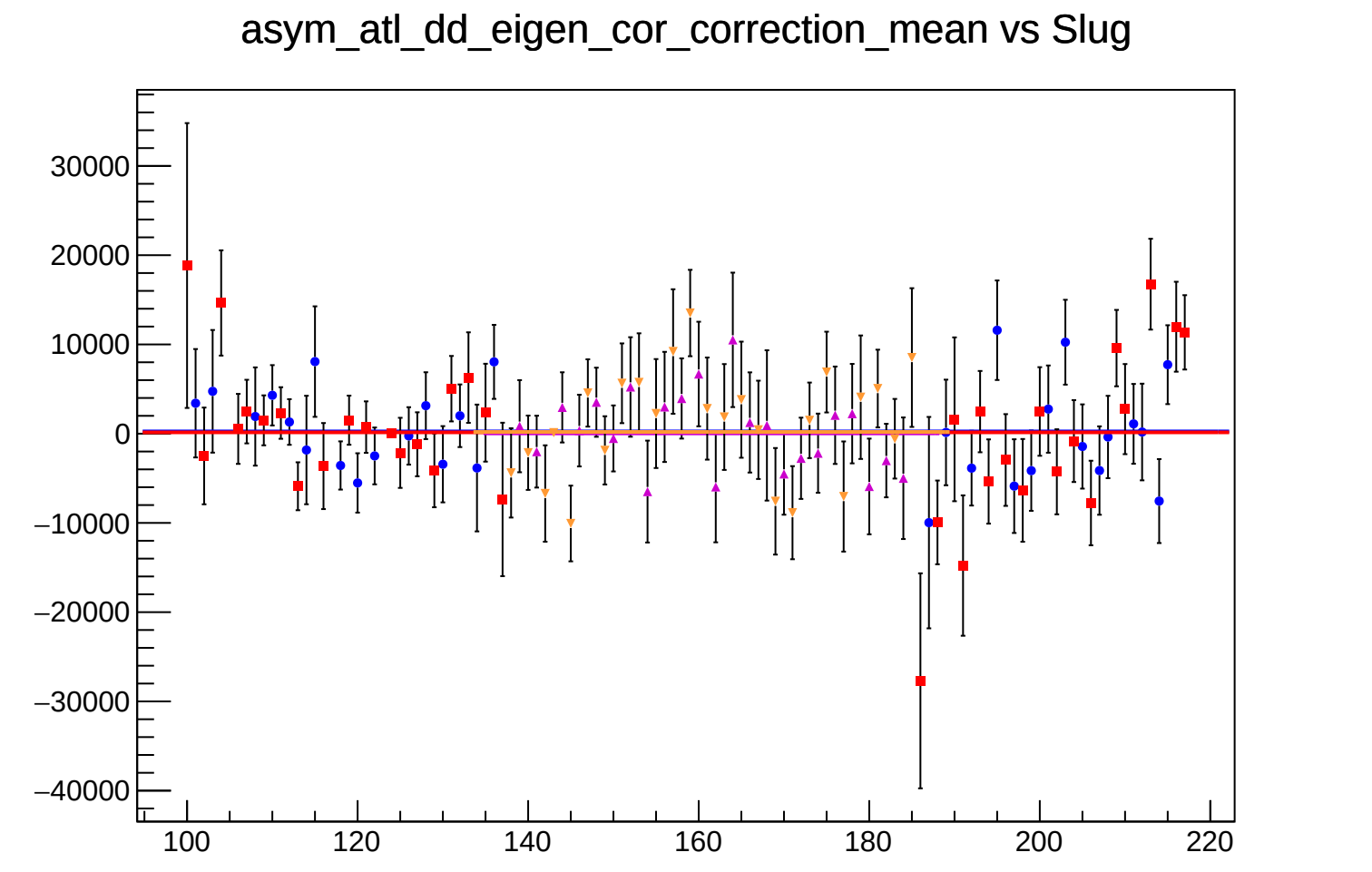
Right Out: 1649.621+/-0.258 χ^2/NDF: 425983.8/35

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1663.239+/-0.190 χ^2/NDF: 647395.6/55

All: 1665.562+/-0.134 χ^2/NDF: 1206853.8/11

- sign 1667.877+/-0.190 χ^2/NDF: 559159.5/58



Right In: 253.214+/-768.632 χ^2/NDF: 34.8/30

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 146.973+/-306.030 χ^2/NDF: 70.0/35

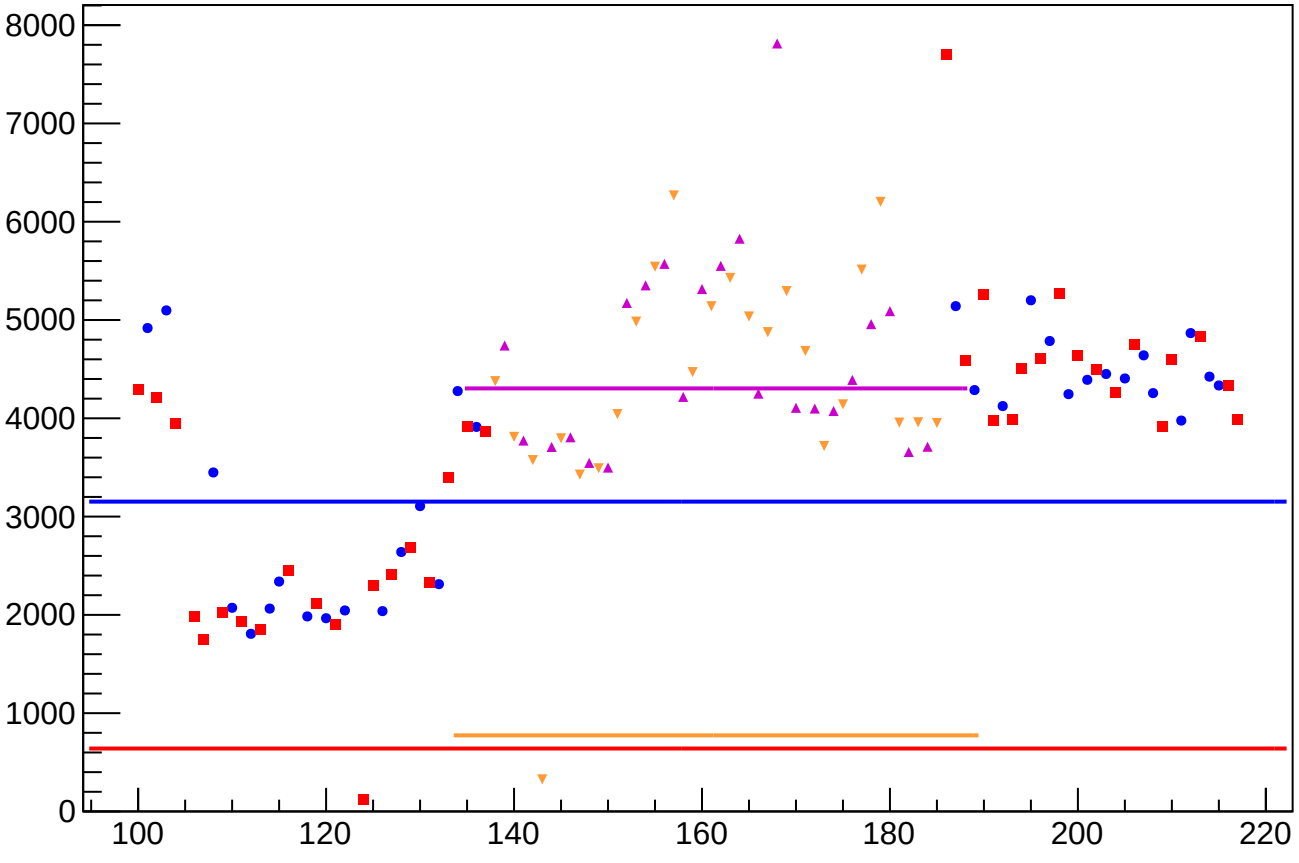
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 203.768+/-313.309 χ^2/NDF: 68.7/55

All: 168.342+/-214.100 χ^2/NDF: 151.9/114

- sign 137.307+/-293.251 χ^2/NDF: 83.3/58

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3152.220+/-0.544 χ^2/NDF: 4661928.5/30

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 640.294+/-0.216 χ^2/NDF: 32003198.7/35

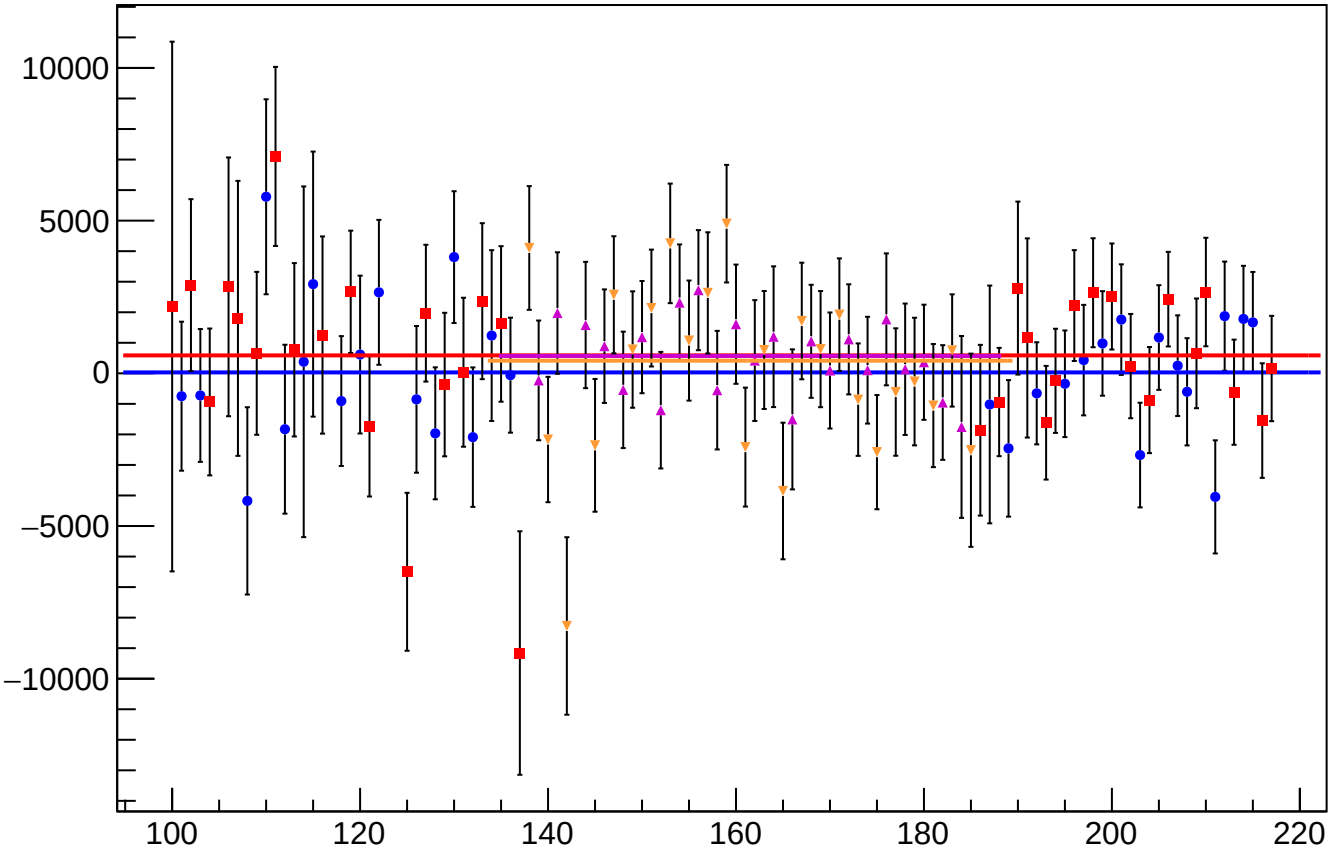
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1169.269+/-0.222 χ^2/NDF: 48711989.0/55

All: 1047.005+/-0.151 χ^2/NDF: 105943601.4/

- sign 939.896+/-0.207 χ^2/NDF: 56660235.7/58

dit_asym_atl_dd_mean vs Slug



Right In: 30.004+/-374.511 χ^2/NDF: 26.6/30

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 587.547+/-369.522 χ^2/NDF: 35.8/34

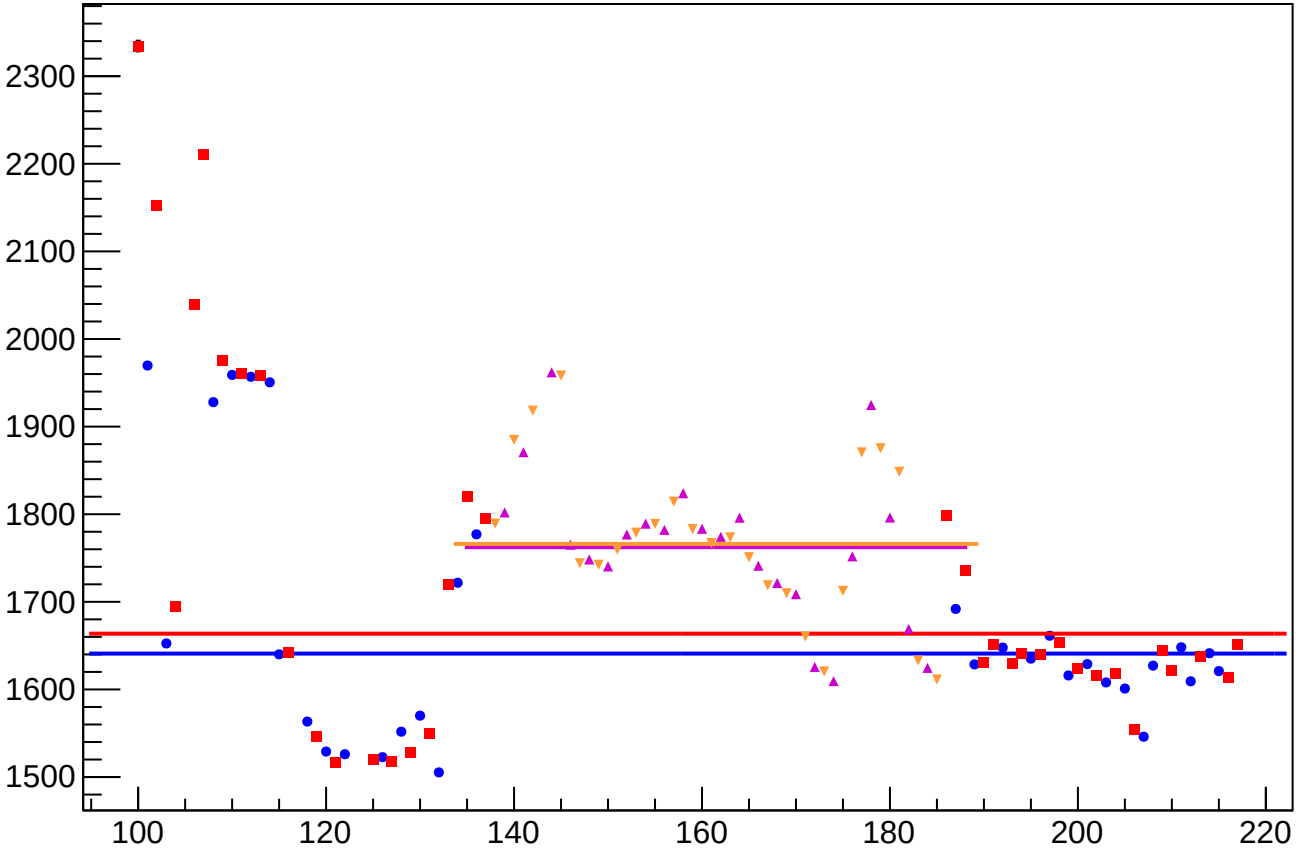
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

\+ sign 204.105+/-276.680 χ^2/NDF: 67.1/54

All: 392.725+/-195.082 χ^2/NDF: 111.5/112

\- sign 579.200+/-275.103 χ^2/NDF: 43.5/57

dit_asym_atl_dd_rms vs Slug



Right In: 1640.933+/-0.265 χ^2/NDF: 157101.8/30

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1663.663+/-0.261 χ^2/NDF: 268720.4/34

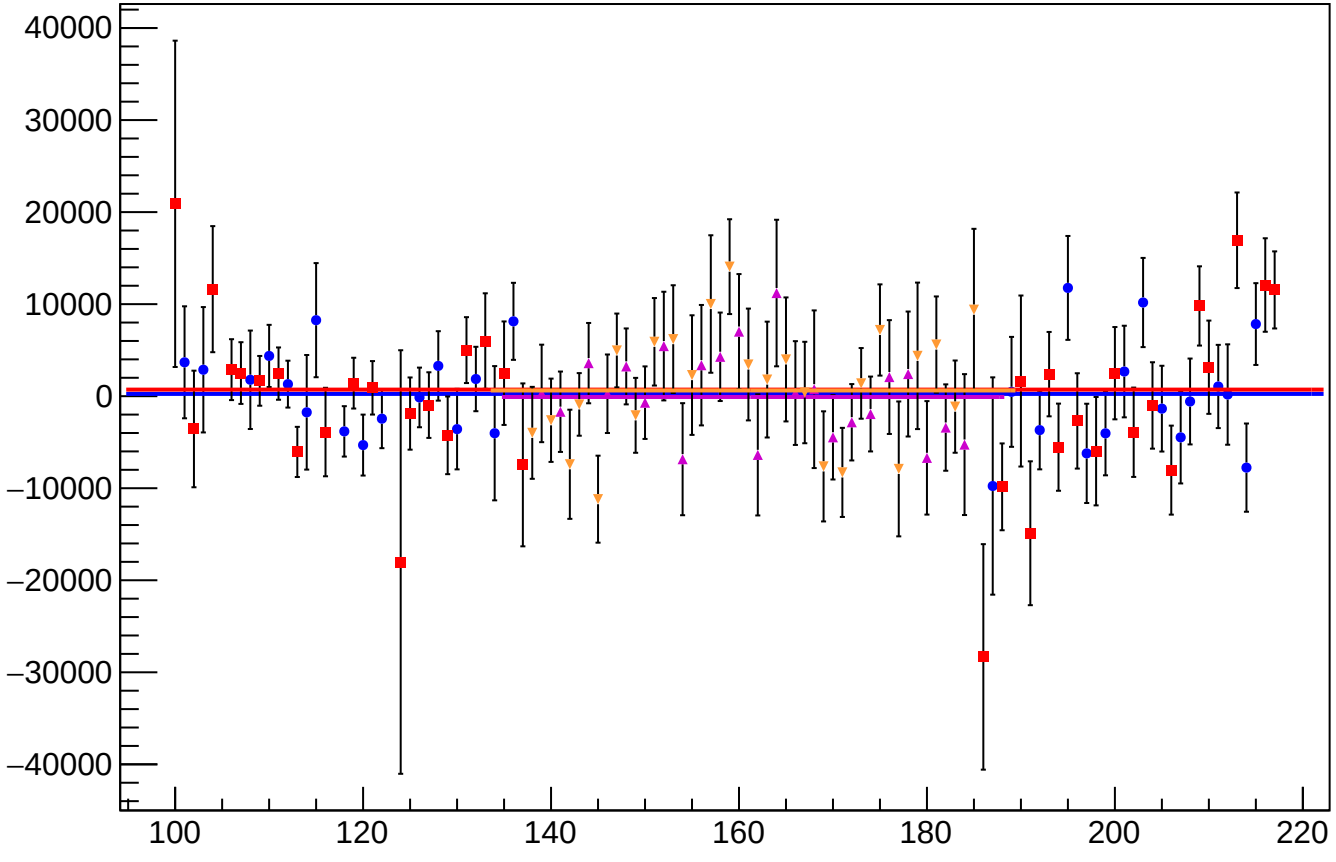
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1697.792+/-0.196 χ^2/NDF: 341848.4/54

All: 1702.746+/-0.138 χ^2/NDF: 755634.0/112

- sign 1707.640+/-0.194 χ^2/NDF: 412510.9/57

asym_atl_dd_dit_correction_mean vs Slug



Right In: 247.035+/-773.823 χ^2/NDF: 34.5/30

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 714.534+/-722.863 χ^2/NDF: 67.6/35

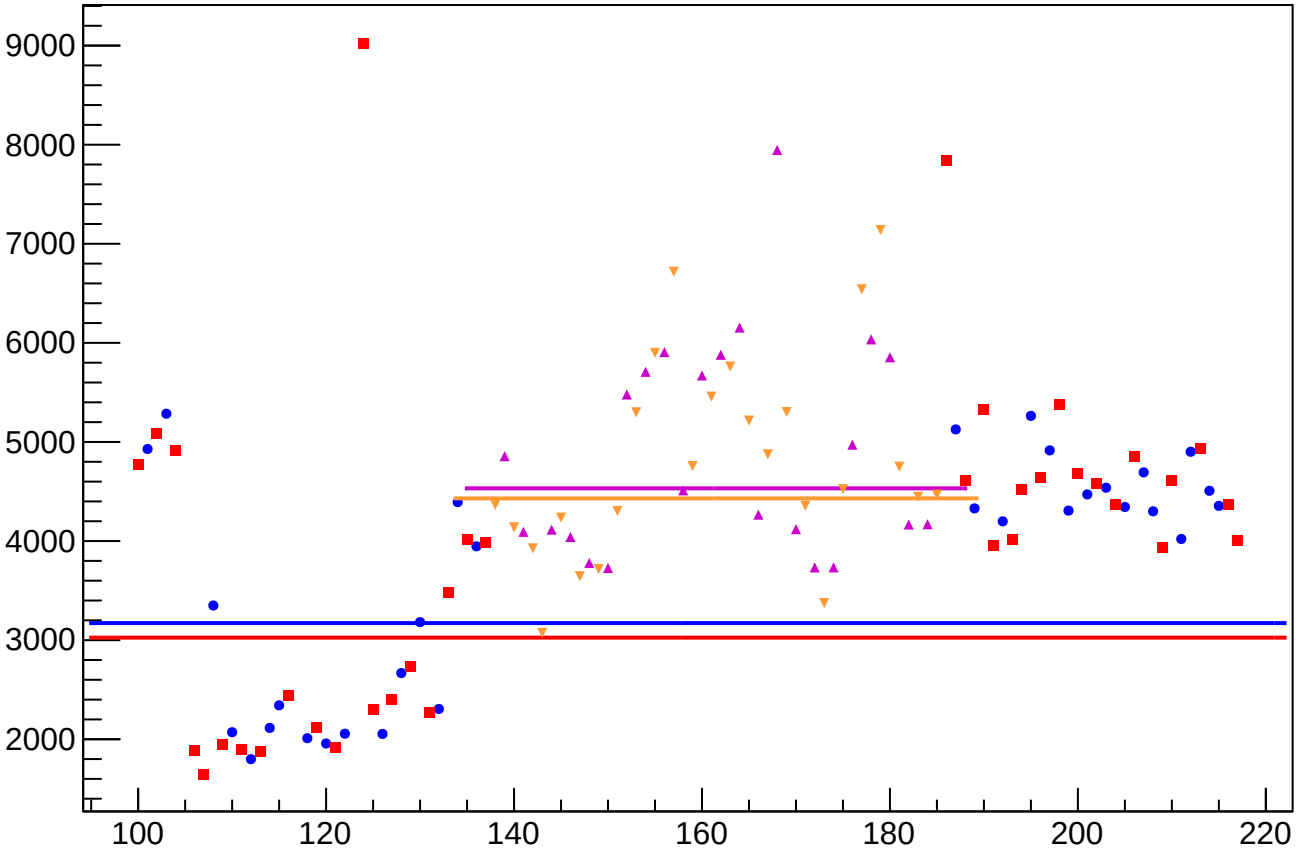
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 380.699+/-619.682 χ^2/NDF: 67.7/55

All: 425.573+/-431.481 χ^2/NDF: 148.6/114

- sign 467.804+/-601.153 χ^2/NDF: 80.9/58

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3172.255+/-0.547 χ^2/NDF: 4787281.0/30

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 3025.503+/-0.511 χ^2/NDF: 6120762.6/35

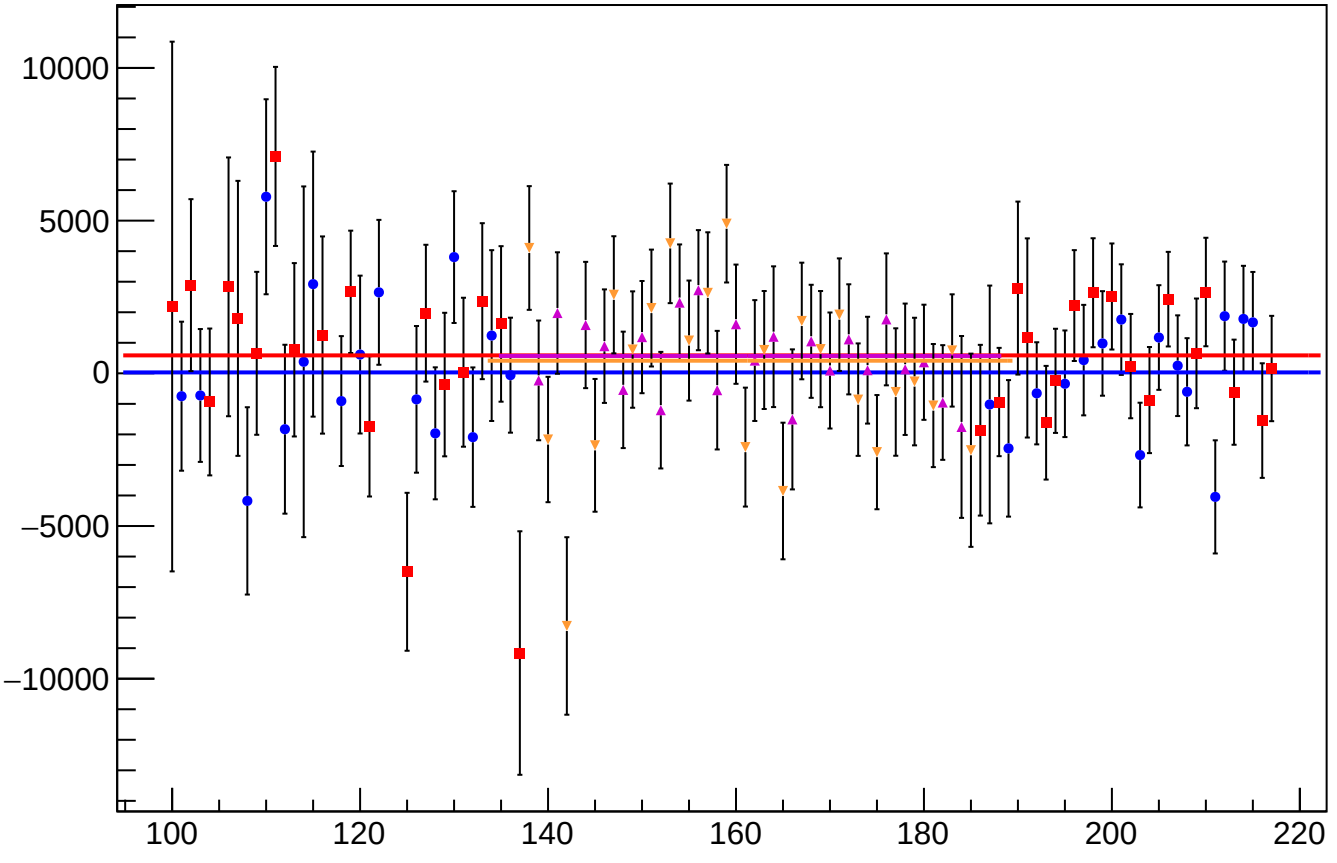
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3623.707+/-0.438 χ^2/NDF: 8298246.7/55

All: 3554.867+/-0.305 χ^2/NDF: 18522127.2/1

- sign 3490.082+/-0.425 χ^2/NDF: 10175971.4/58

eigen_dit_asym_atl_dd_mean vs Slug



Right In: 30.002+/-374.511 χ^2/NDF: 26.6/30

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 587.544+/-369.522 χ^2/NDF: 35.8/34

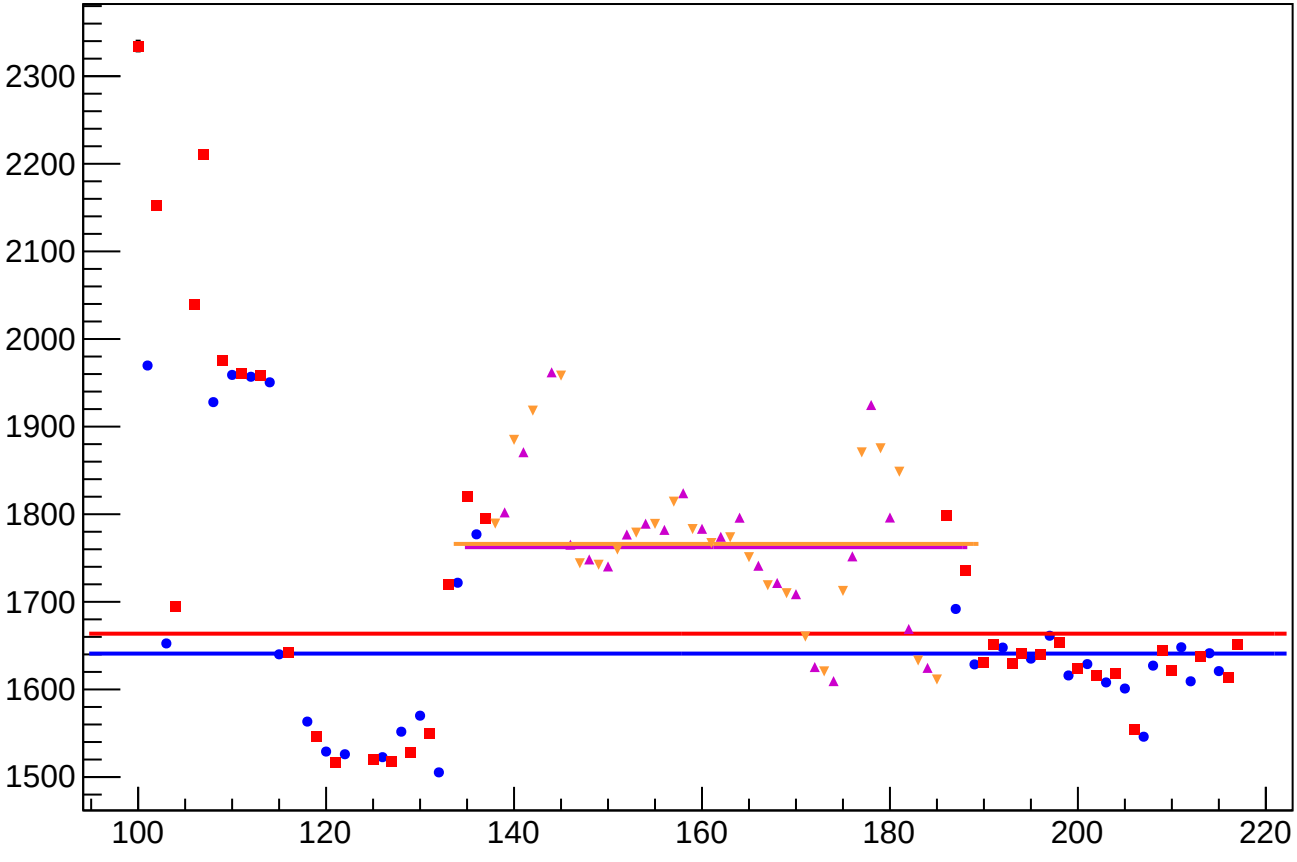
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 204.104+/-276.680 χ^2/NDF: 67.1/54

All: 392.724+/-195.082 χ^2/NDF: 111.5/112

- sign 579.199+/-275.103 χ^2/NDF: 43.5/57

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1640.933+/-0.265 χ^2/NDF: 157101.8/30

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

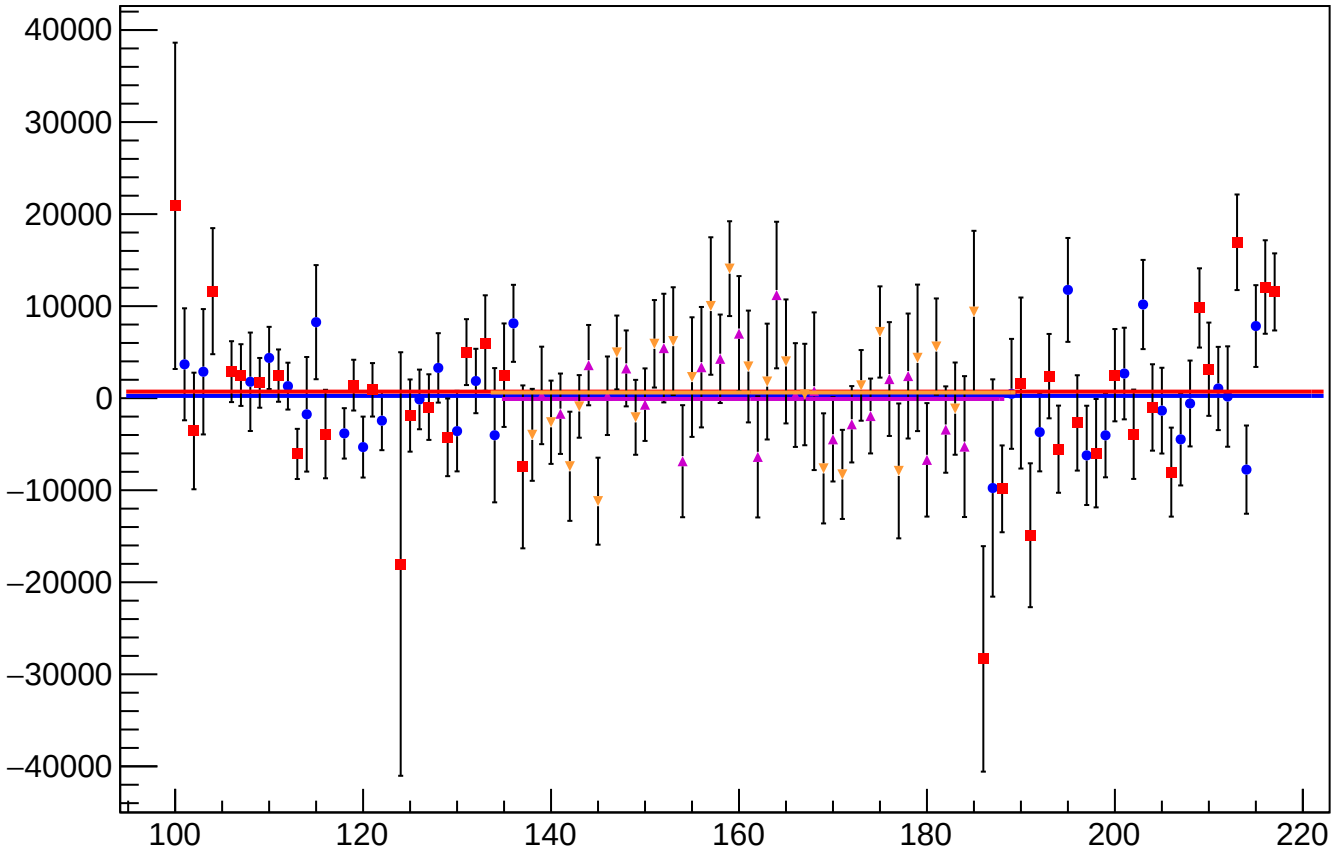
Right Out: 1663.663+/-0.261 χ^2/NDF: 268719.1/34

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1697.792+/-0.196 χ^2/NDF: 341852.7/54

All: 1702.746+/-0.138 χ^2/NDF: 755640.8/112

- sign 1707.640+/-0.194 χ^2/NDF: 412513.4/57



Right In: 247.030+/-773.822 χ^2/NDF: 34.5/30

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 714.535+/-722.861 χ^2/NDF: 67.6/35

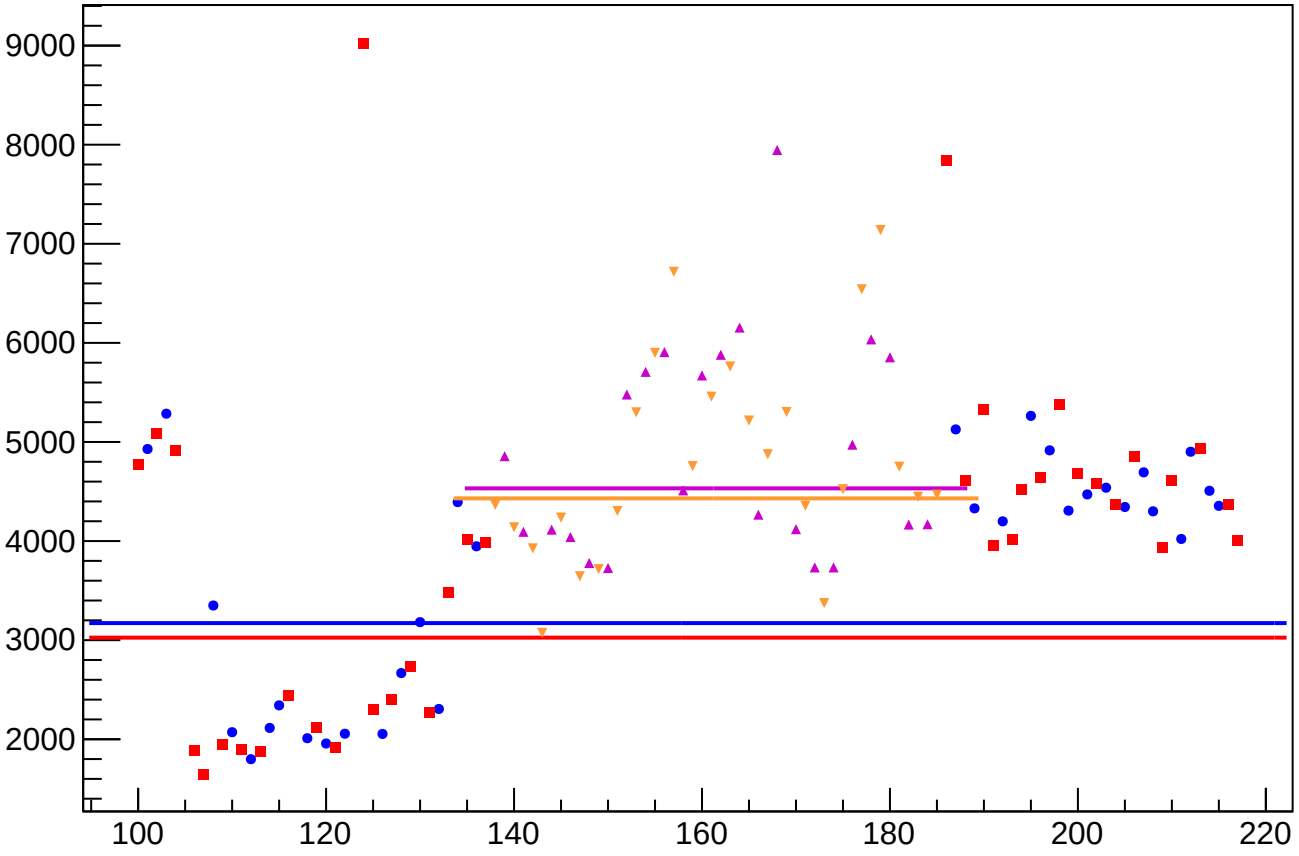
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

\+ sign 380.696+/-619.681 χ^2/NDF: 67.7/55

All: 425.573+/-431.481 χ^2/NDF: 148.6/114

\- sign 467.806+/-601.152 χ^2/NDF: 80.9/58

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3172.246+/-0.547 χ^2/NDF: 4787360.8/30

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

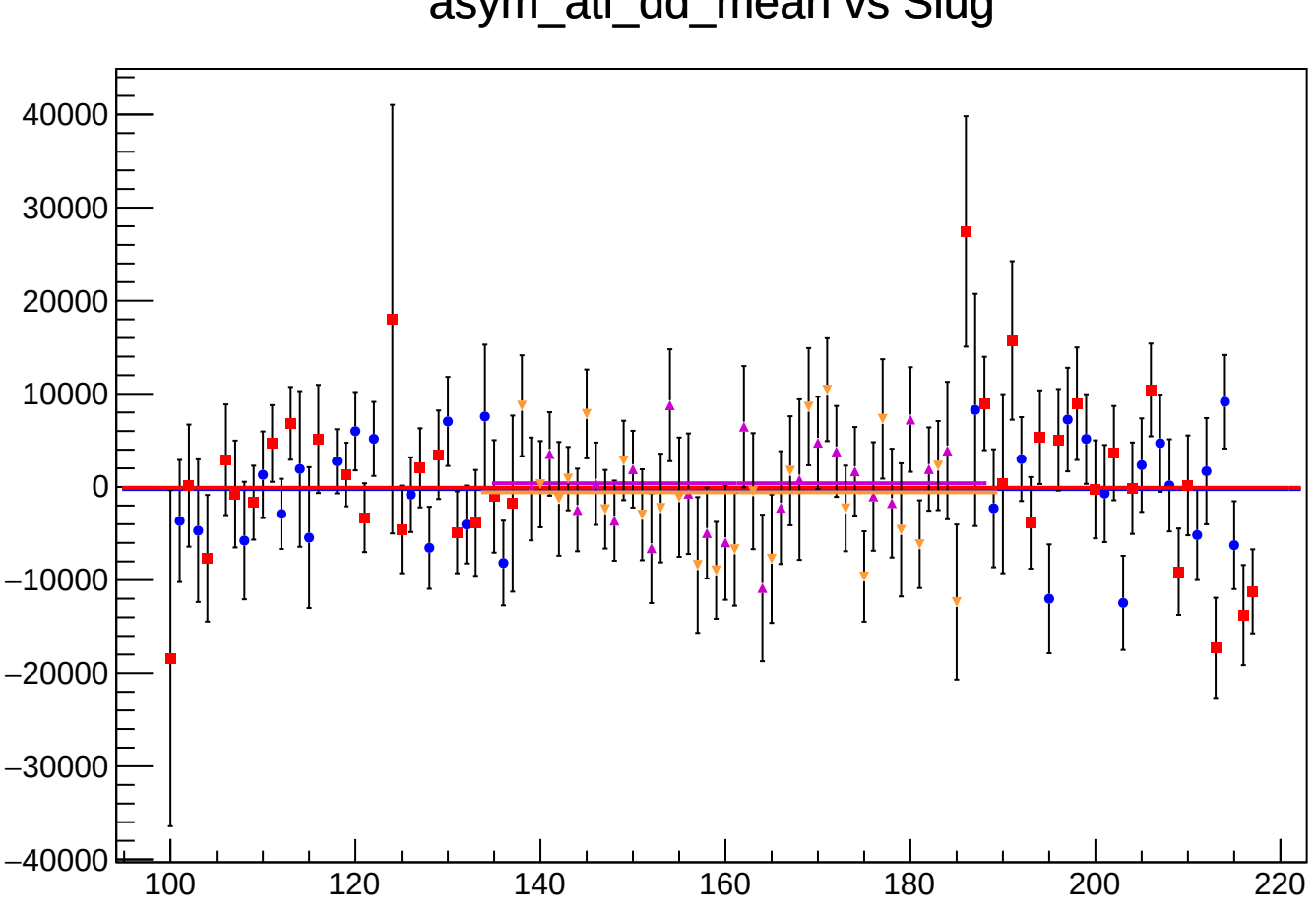
Right Out: 3025.494+/-0.511 χ^2/NDF: 6120828.5/35

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3623.701+/-0.438 χ^2/NDF: 8298375.0/55

All: 3554.861+/-0.305 χ^2/NDF: 18522376.1/1

- sign 3490.076+/-0.425 χ^2/NDF: 10176091.4/58



Right In: -226.202+/-900.149 χ^2/NDF: 38.1/30

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -86.184+/-870.112 χ^2/NDF: 61.0/35

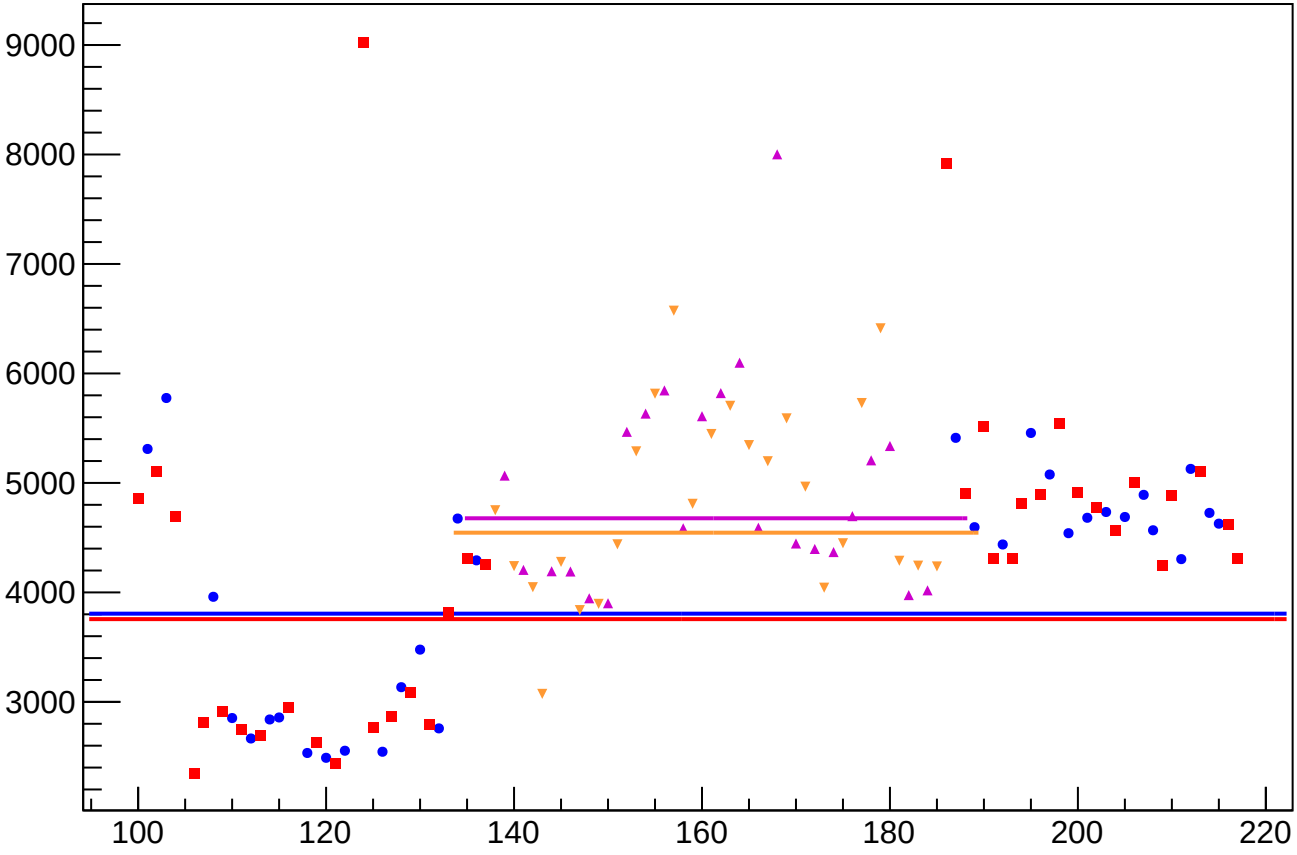
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -372.383+/-684.724 χ^2/NDF: 66.9/55

All: -136.995+/-484.155 χ^2/NDF: 142.3/114

- sign 98.357+/-684.674 χ^2/NDF: 75.1/58

asym_atl_dd_rms vs Slug



Right In: 3805.813+/-0.637 χ^2/NDF: 2648974.2/30

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

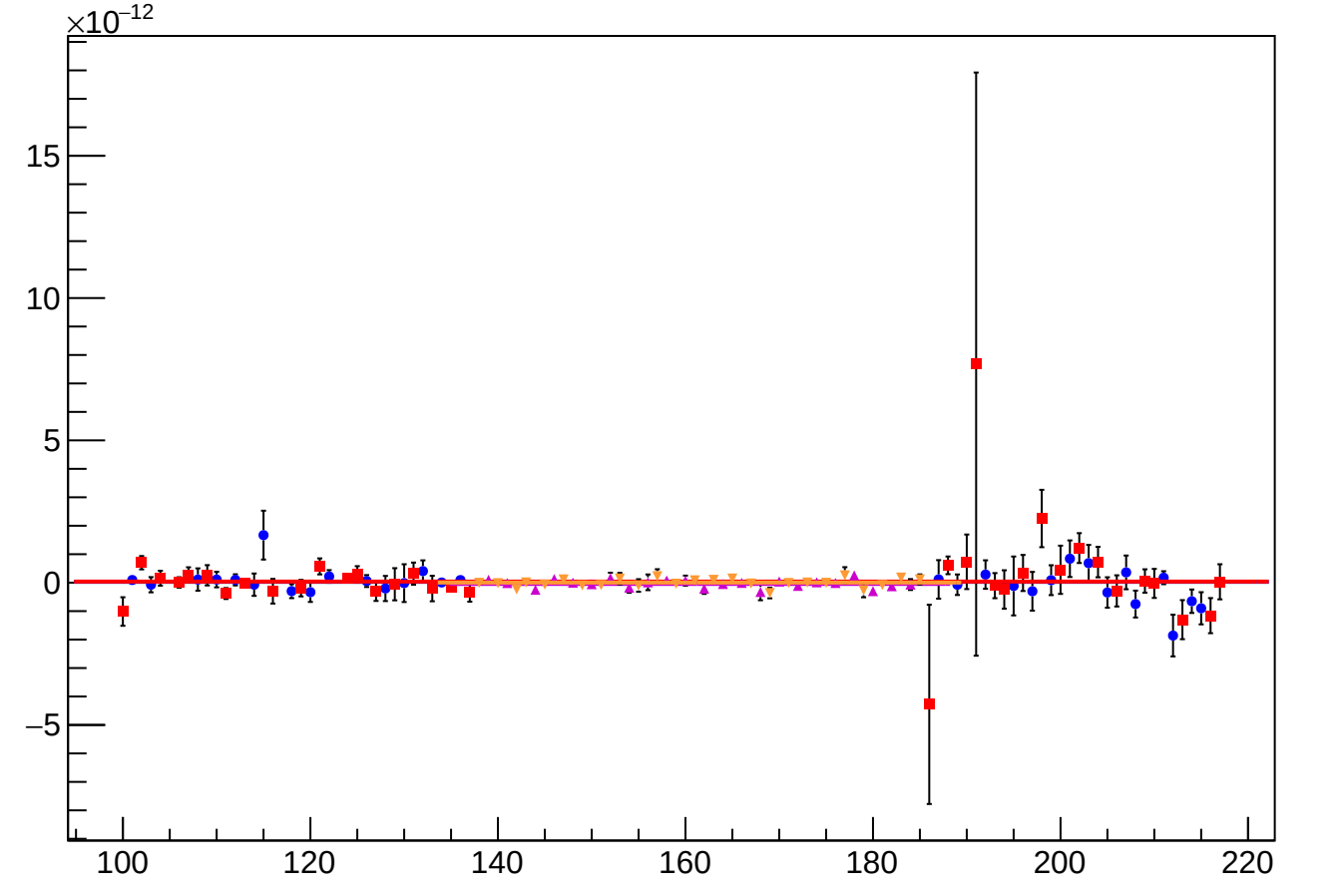
Right Out: 3755.912+/-0.610 χ^2/NDF: 3146342.2/35

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4117.490+/-0.484 χ^2/NDF: 4476552.6/55

All: 4110.375+/-0.342 χ^2/NDF: 9441843.9/11

- sign 4103.329+/-0.482 χ^2/NDF: 4964861.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/35

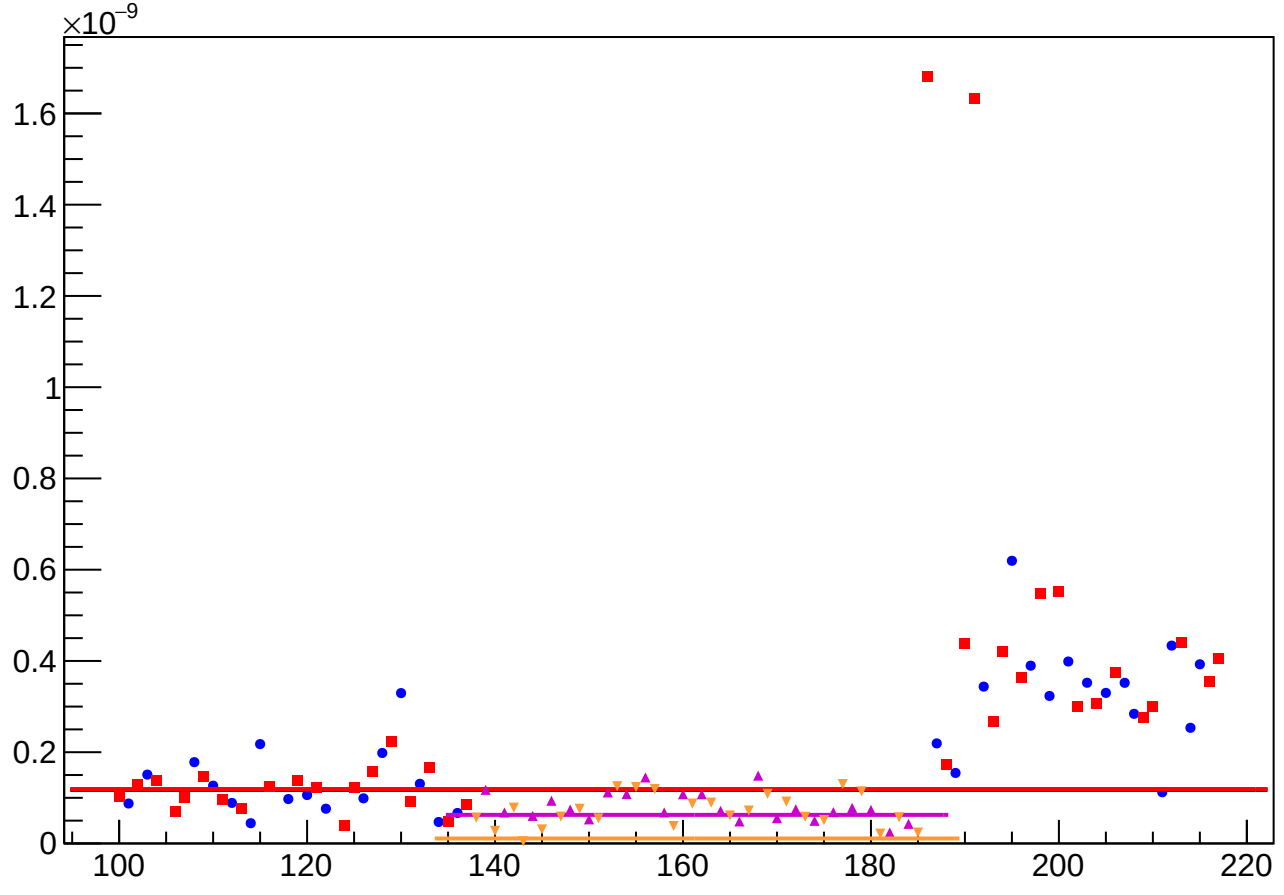
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.3/55

All: 0.000+/-0.000 χ^2/NDF: 127.9/114

- sign -0.000+/-0.000 χ^2/NDF: 79.0/58

asym_atl_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5616716.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

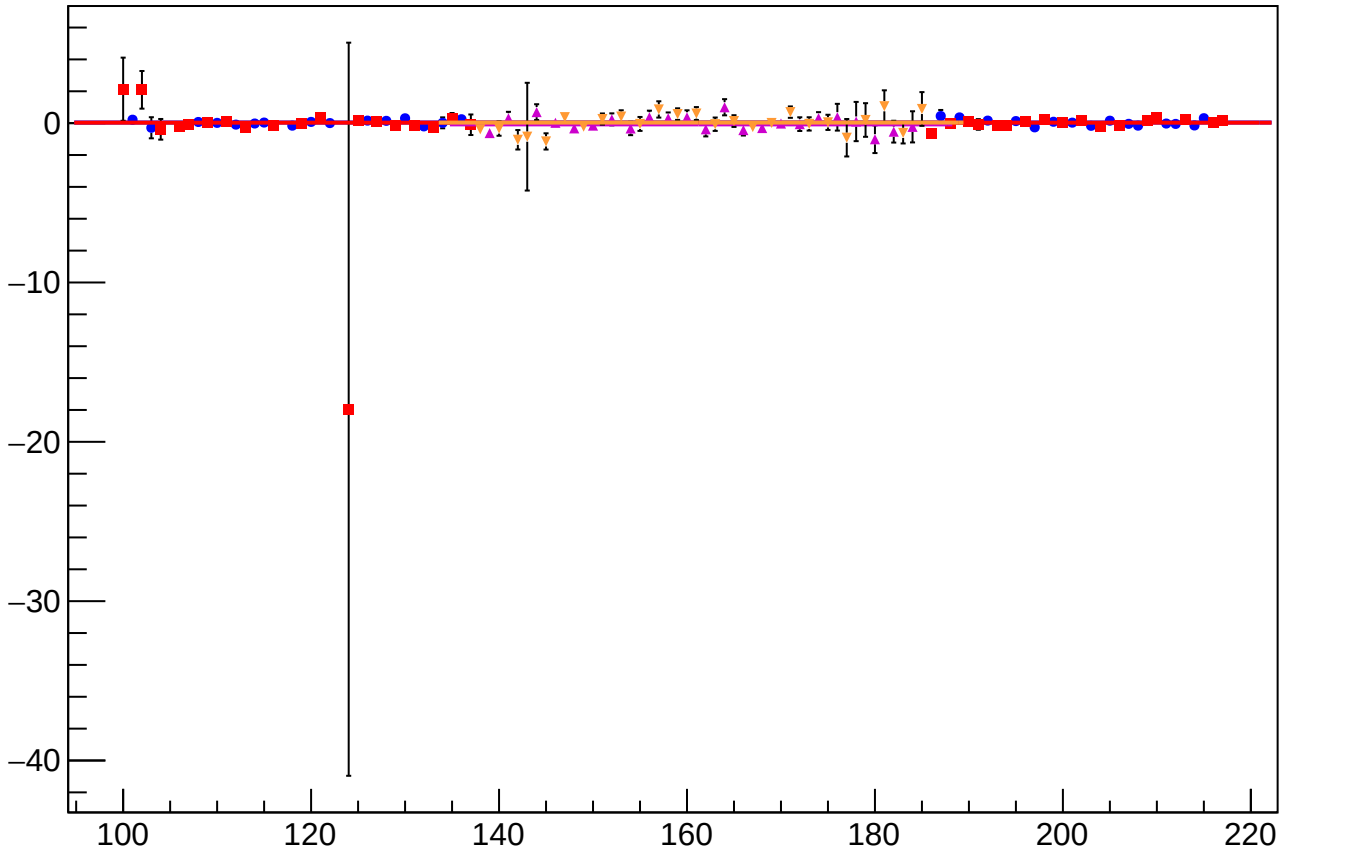
Right Out: 0.000+/-0.000 χ^2/NDF: 6780314.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 23703794.4/55

All: 0.000+/-0.000 χ^2/NDF: 46488514.7/114

- sign 0.000+/-0.000 χ^2/NDF: 10780382.5/58



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

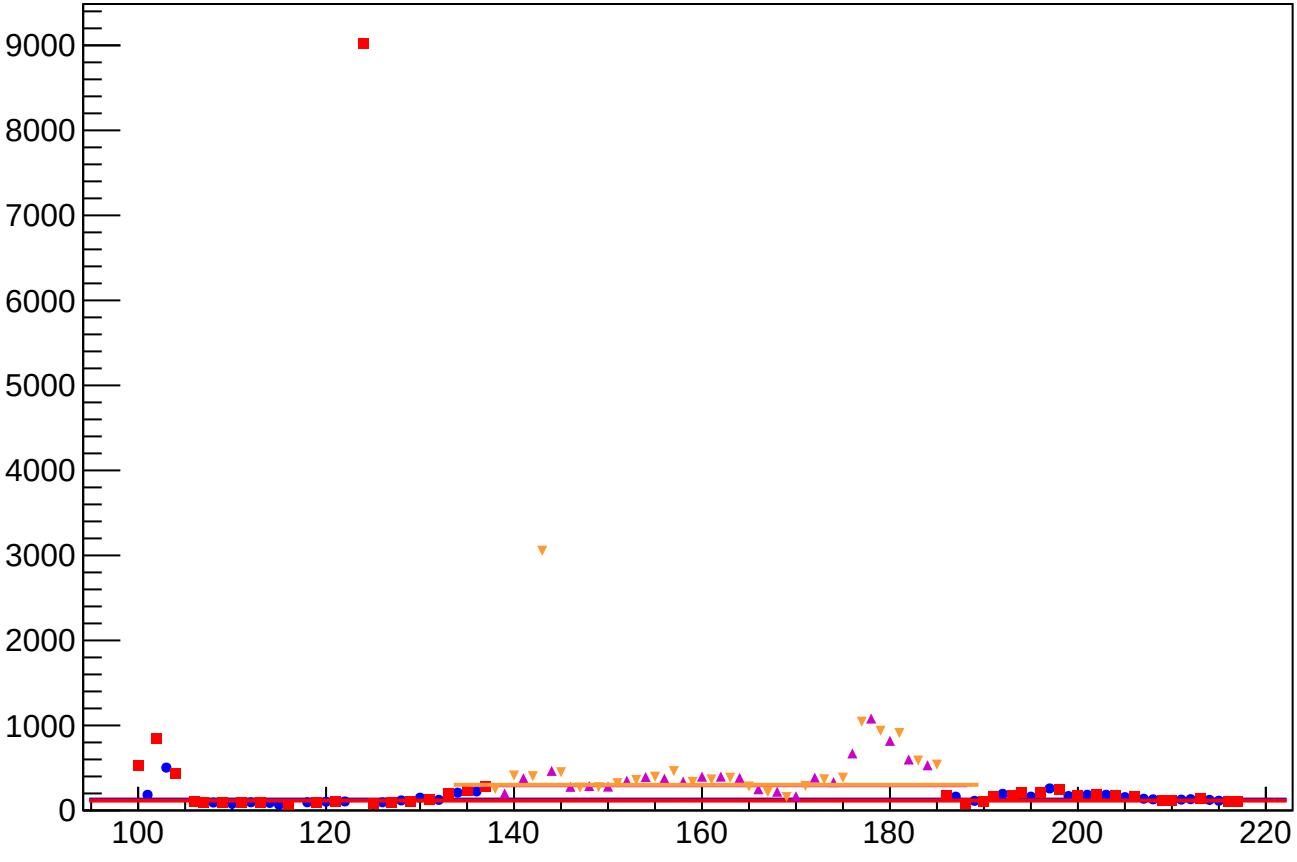
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.039+/-0.029 χ^2/NDF: 56.8/55

All: 0.027+/-0.020 χ^2/NDF: 127.5/114

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 127.584+/-0.022 χ^2/NDF: 3476478.2/30

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

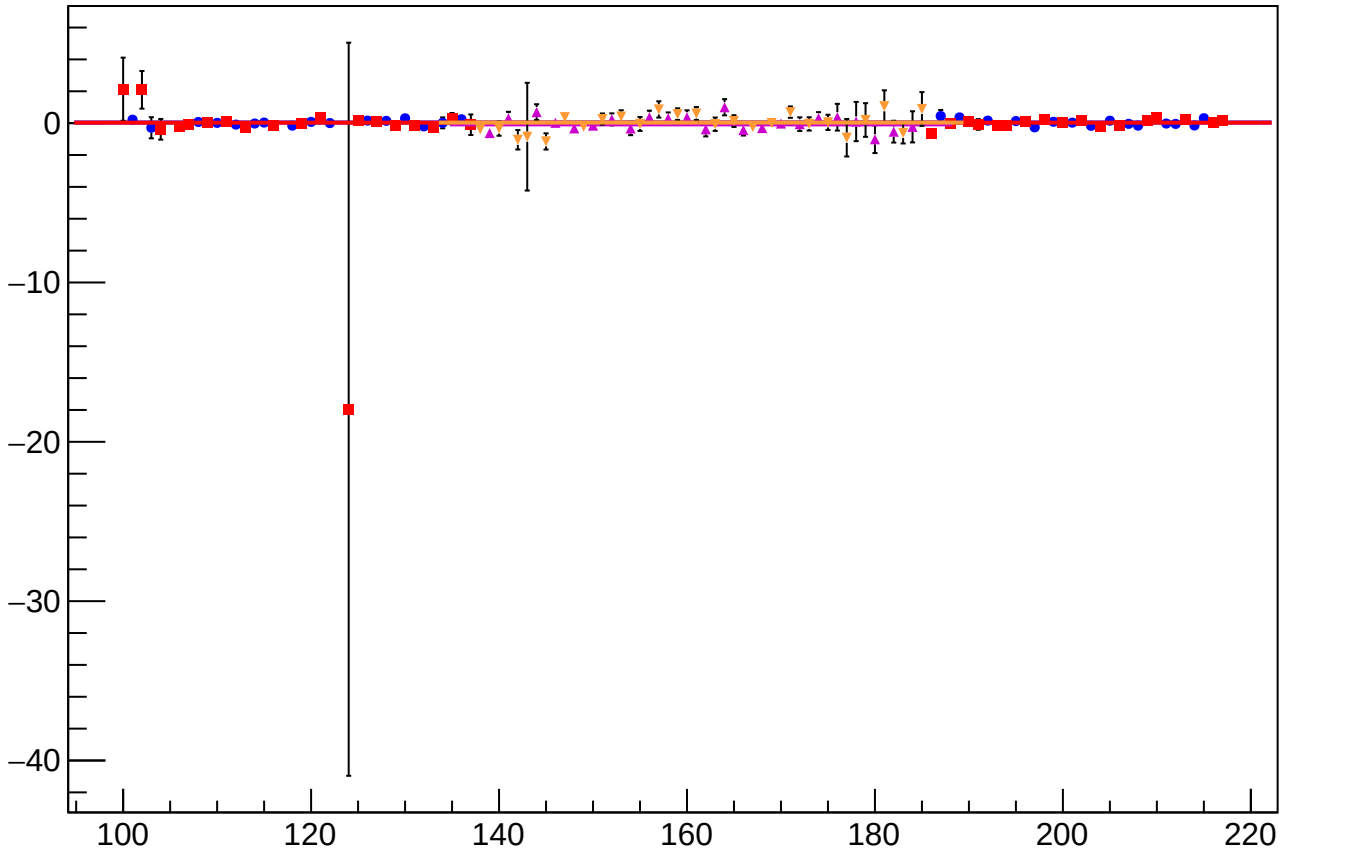
Right Out: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 152.261+/-0.020 χ^2/NDF: 18966335.0/55

All: 144.978+/-0.014 χ^2/NDF: 39617824.8/11

- sign 138.794+/-0.019 χ^2/NDF: 20417585.3/58



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

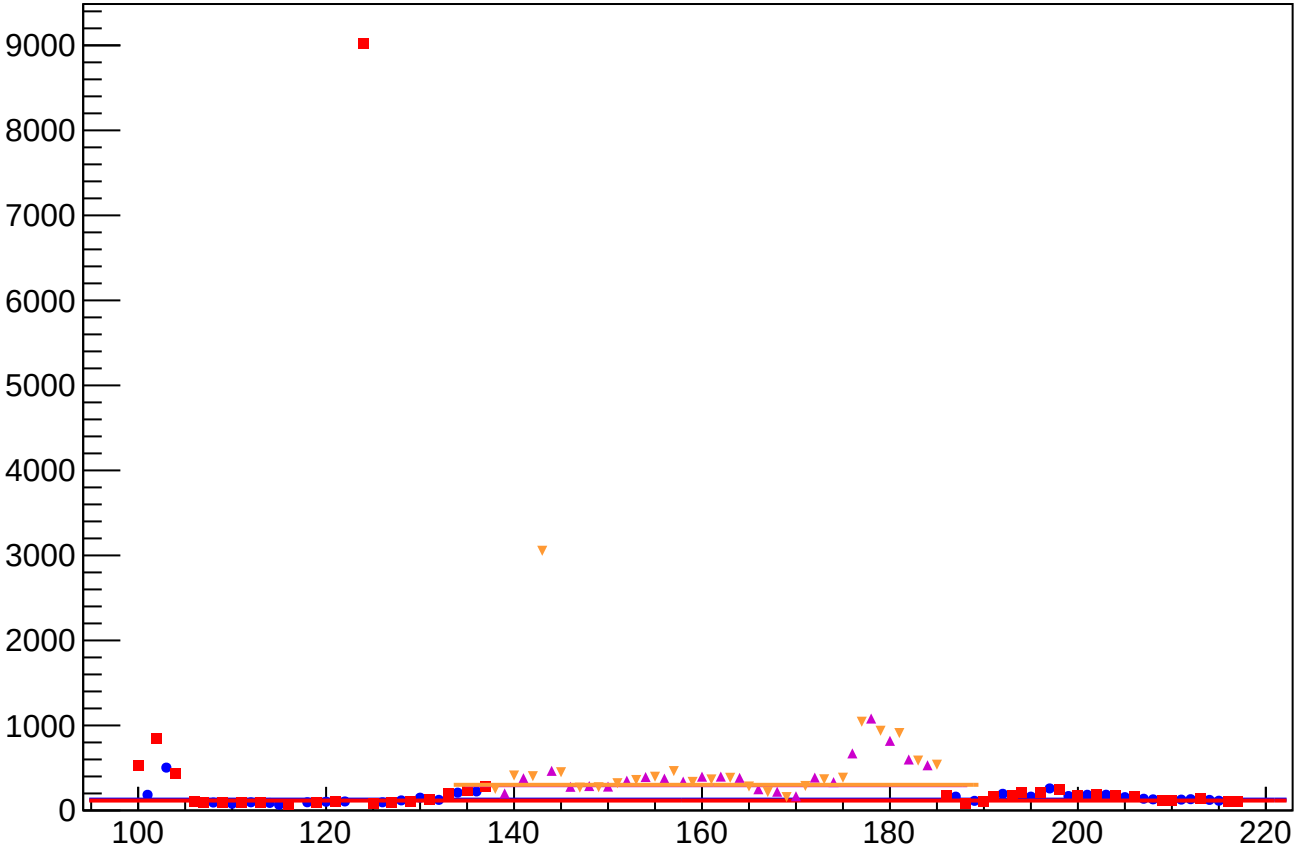
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.039+/-0.029 χ^2/NDF: 56.8/55

All: 0.027+/-0.020 χ^2/NDF: 127.5/114

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 127.584+/-0.022 χ^2/NDF: 3476478.2/30

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

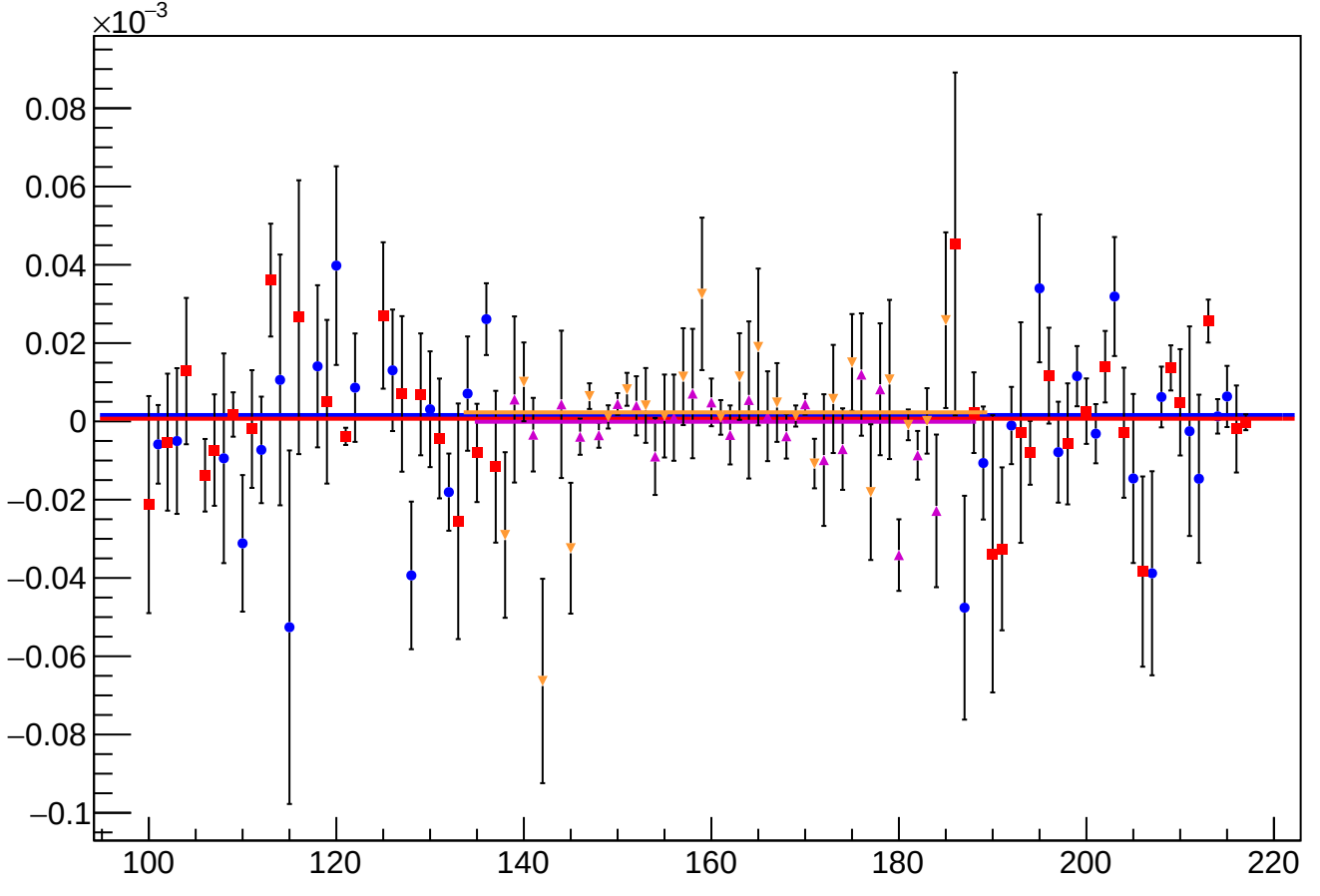
Right Out: 116.392+/-0.020 χ^2/NDF: 5552161.7/35

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 152.261+/-0.020 χ^2/NDF: 18966335.0/55

All: 144.978+/-0.014 χ^2/NDF: 39617824.8/11

- sign 138.794+/-0.019 χ^2/NDF: 20417585.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

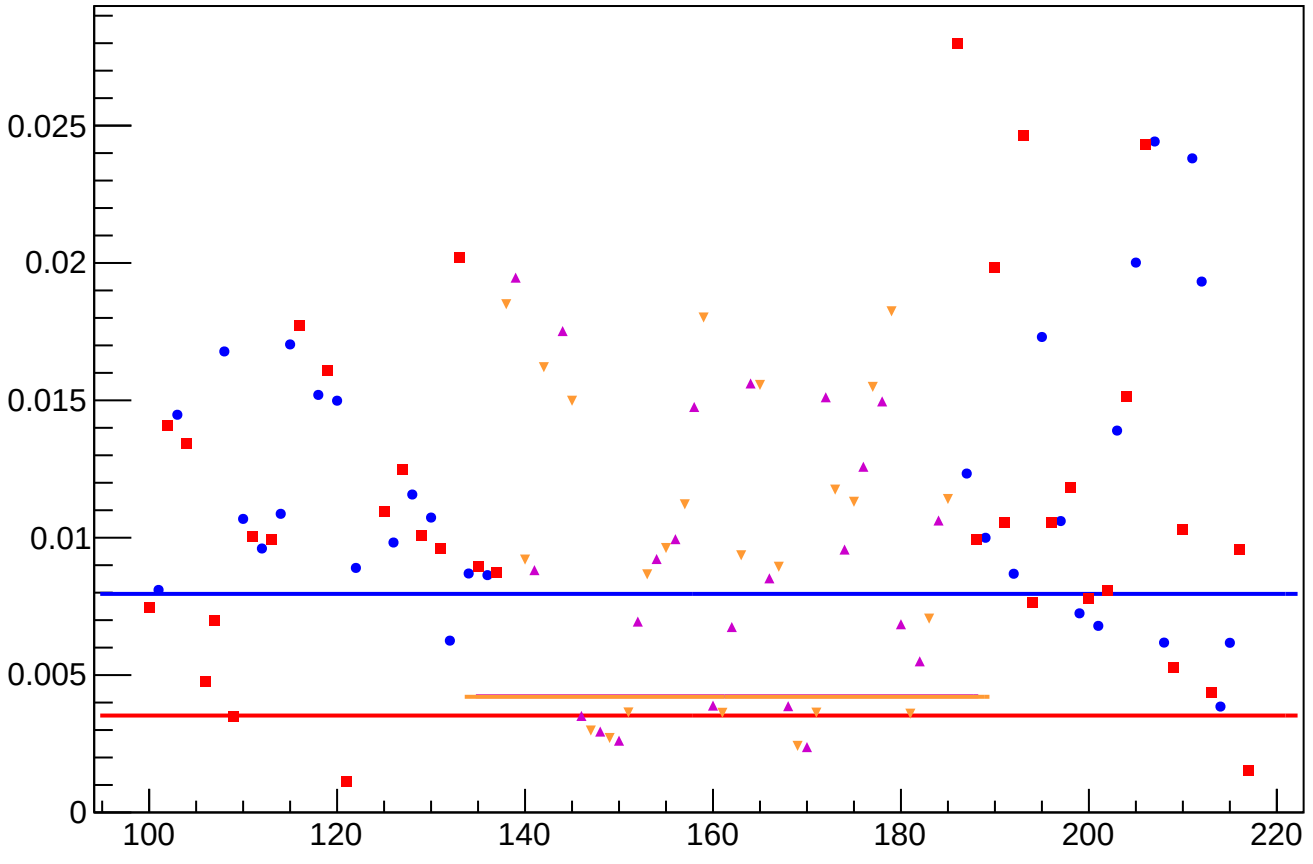
Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/34

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.5/54

All: 0.000+/-0.000 χ^2/NDF: 161.9/112

- sign 0.000+/-0.000 χ^2/NDF: 85.7/57



Right In: 0.008+/-0.000 χ^2/NDF: 6966318.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 19916542.5/34

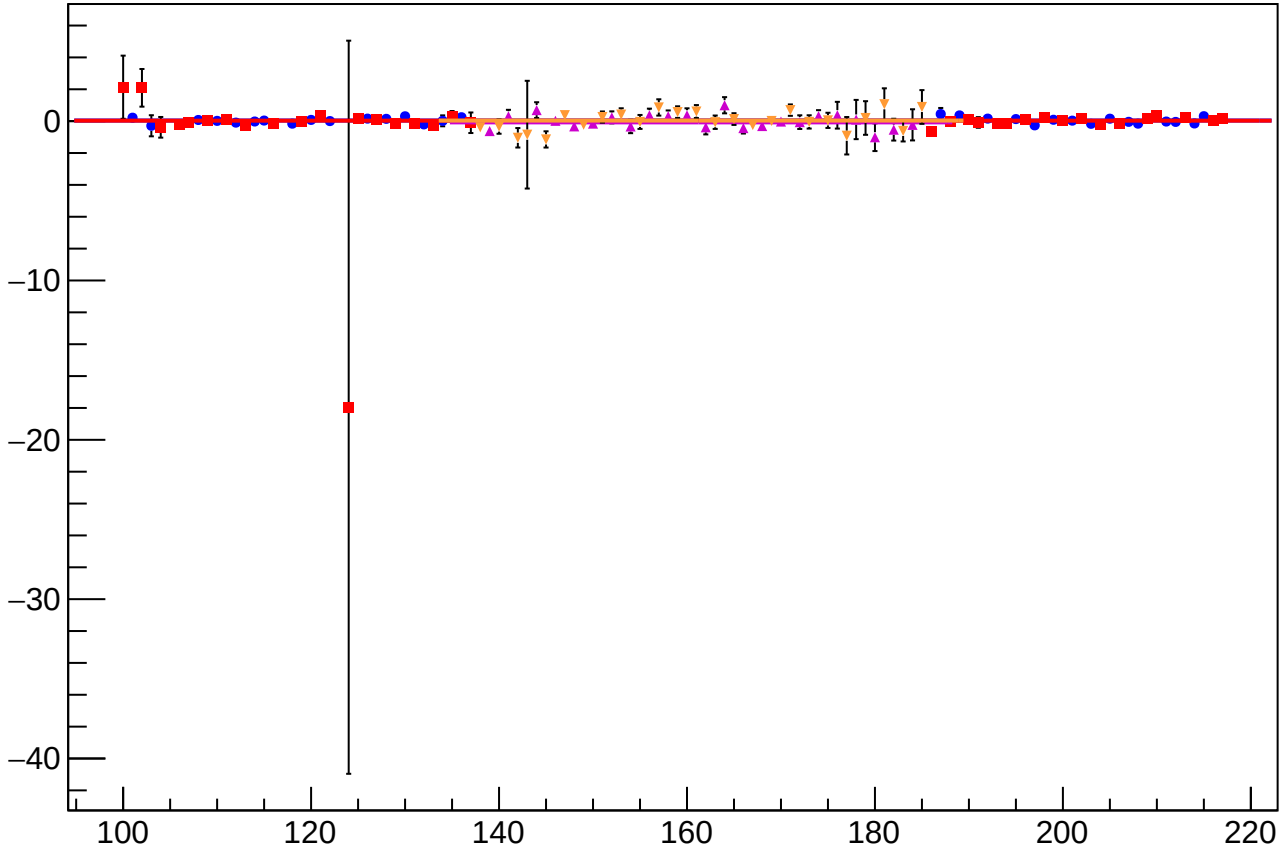
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 23756581.0/54

All: 0.004+/-0.000 χ^2/NDF: 56881539.6/112

- sign 0.004+/-0.000 χ^2/NDF: 31272747.8/57

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

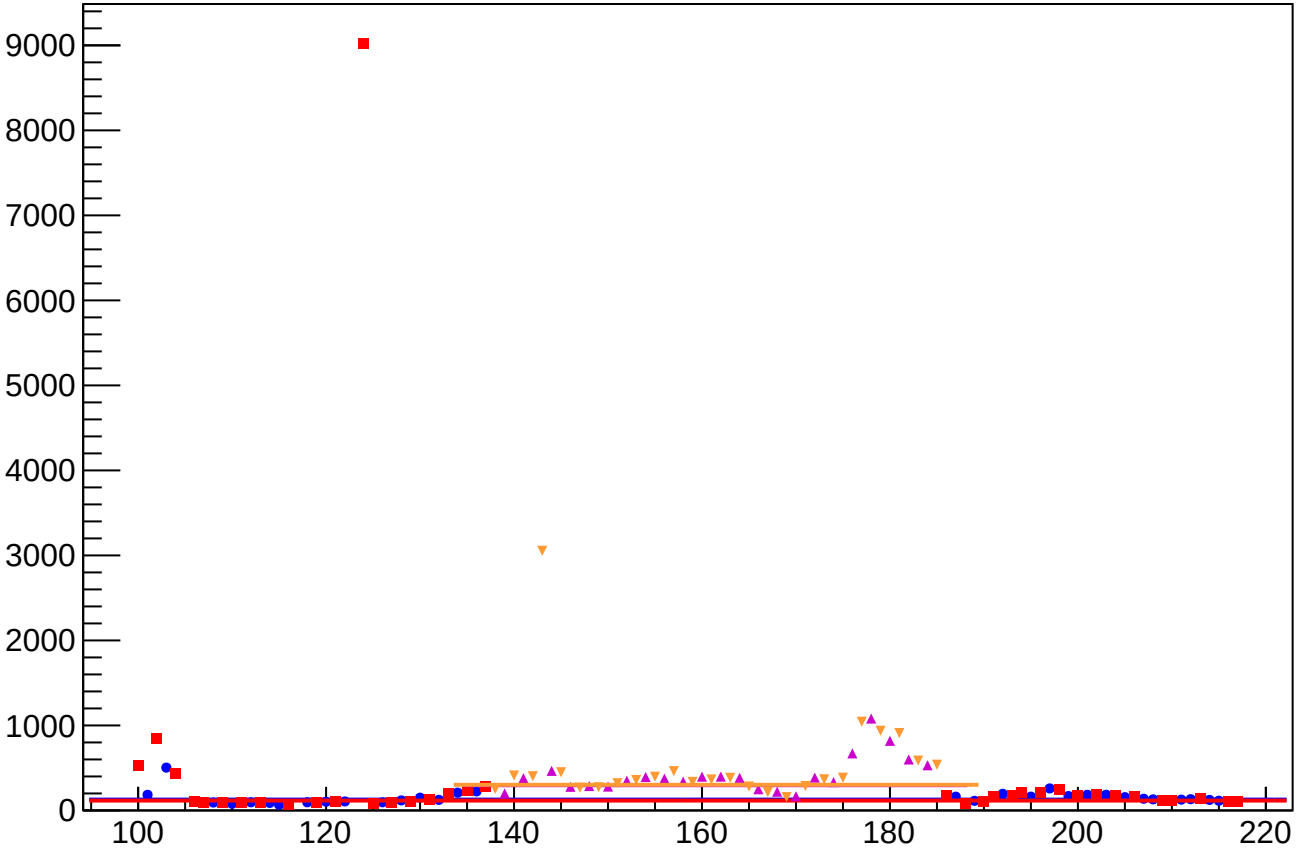
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.039+/-0.029 χ^2/NDF: 56.8/55

All: 0.027+/-0.020 χ^2/NDF: 127.5/114

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 127.585+/-0.022 χ^2/NDF: 3476461.4/30

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

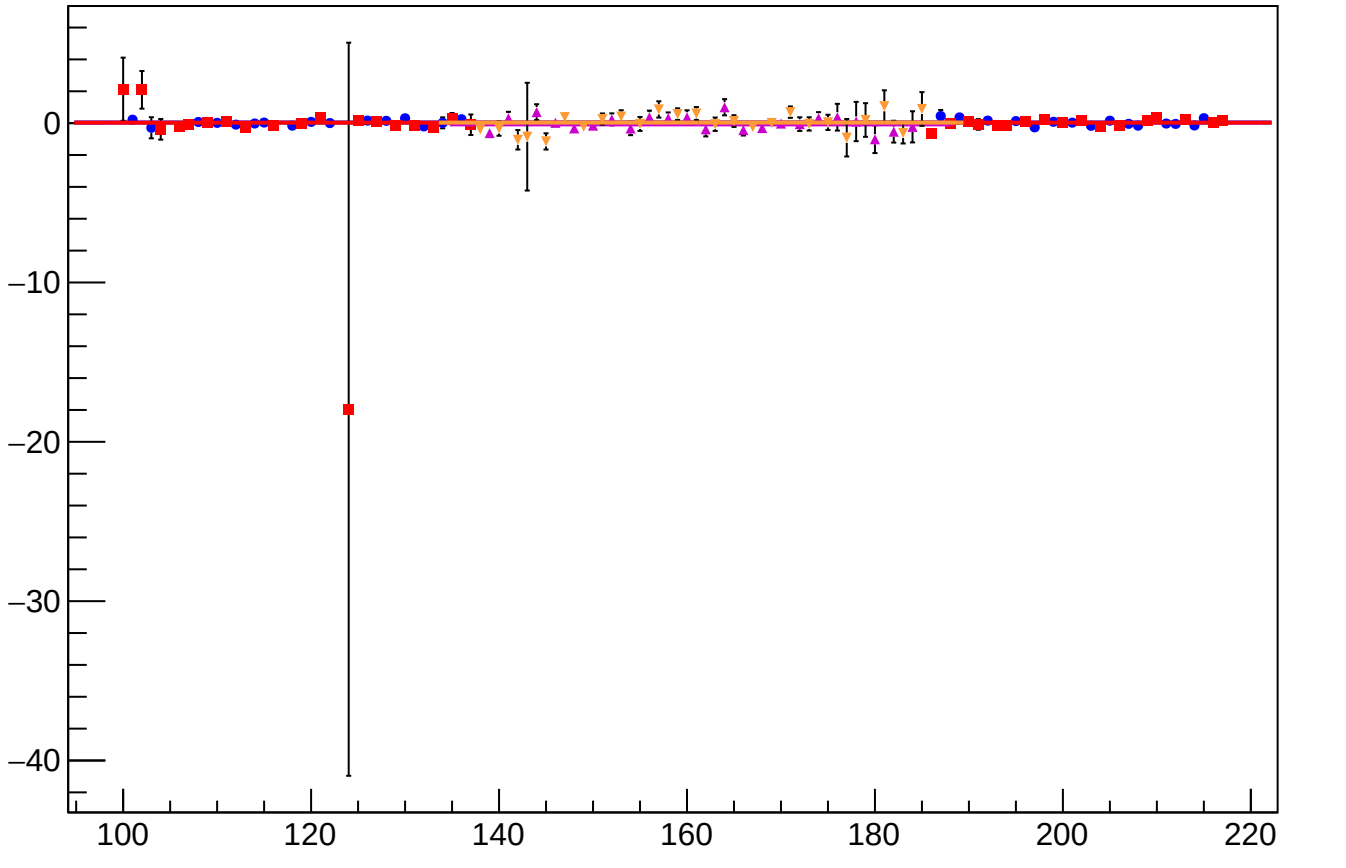
Right Out: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 152.262+/-0.020 χ^2/NDF: 18966324.3/55

All: 144.979+/-0.014 χ^2/NDF: 39617853.7/11

- sign 138.795+/-0.019 χ^2/NDF: 20417606.8/58



Right In: 0.040+/-0.031 χ^2/NDF: 27.2/30

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

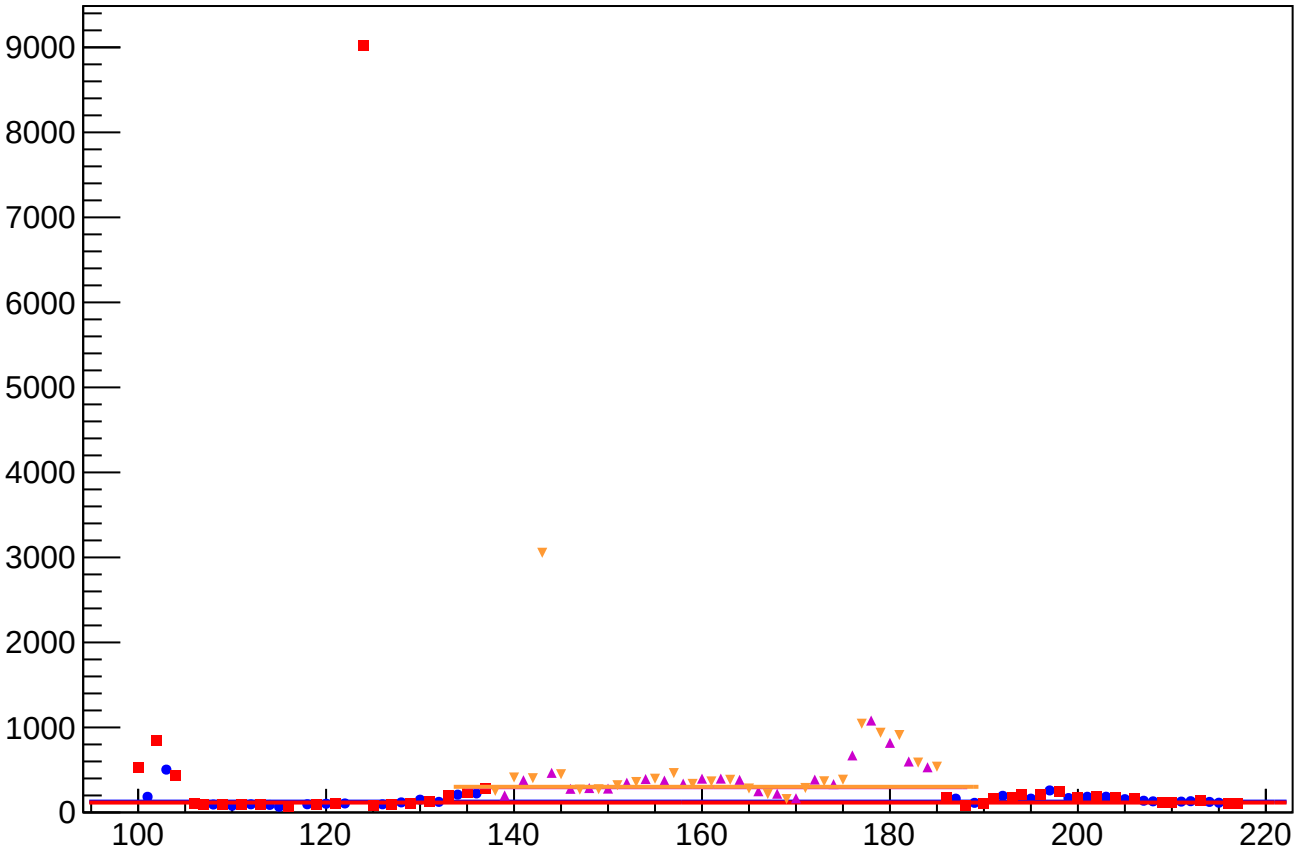
Right Out: 0.030+/-0.029 χ^2/NDF: 44.5/35

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.039+/-0.029 χ^2/NDF: 56.8/55

All: 0.027+/-0.020 χ^2/NDF: 127.5/114

- sign 0.017+/-0.027 χ^2/NDF: 70.4/58



Right In: 127.585+/-0.022 χ^2/NDF: 3476461.4/30

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 116.393+/-0.020 χ^2/NDF: 5552118.1/35

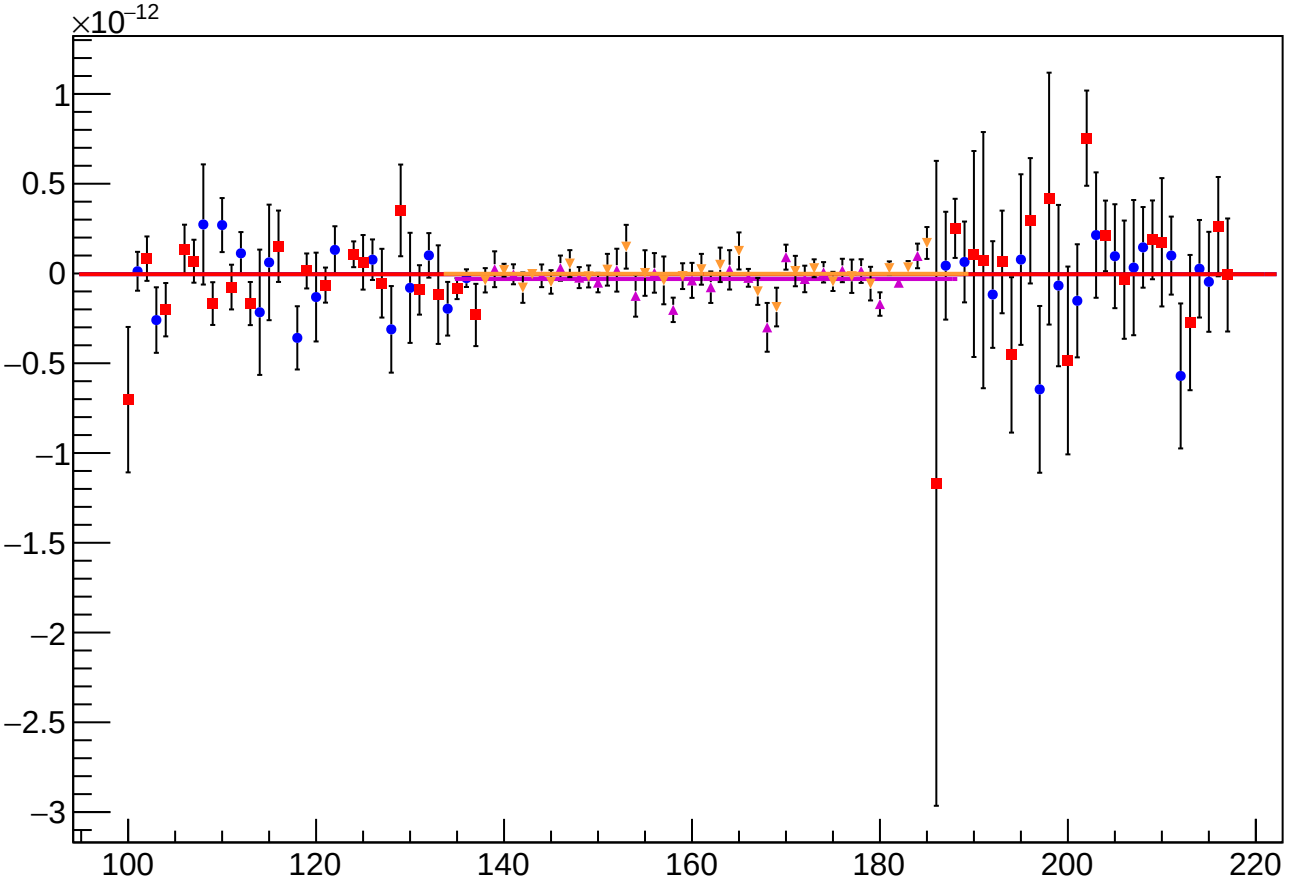
Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 152.262+/-0.020 χ^2/NDF: 18966324.3/55

All: 144.979+/-0.014 χ^2/NDF: 39617853.7/11

- sign 138.795+/-0.019 χ^2/NDF: 20417606.8/58

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

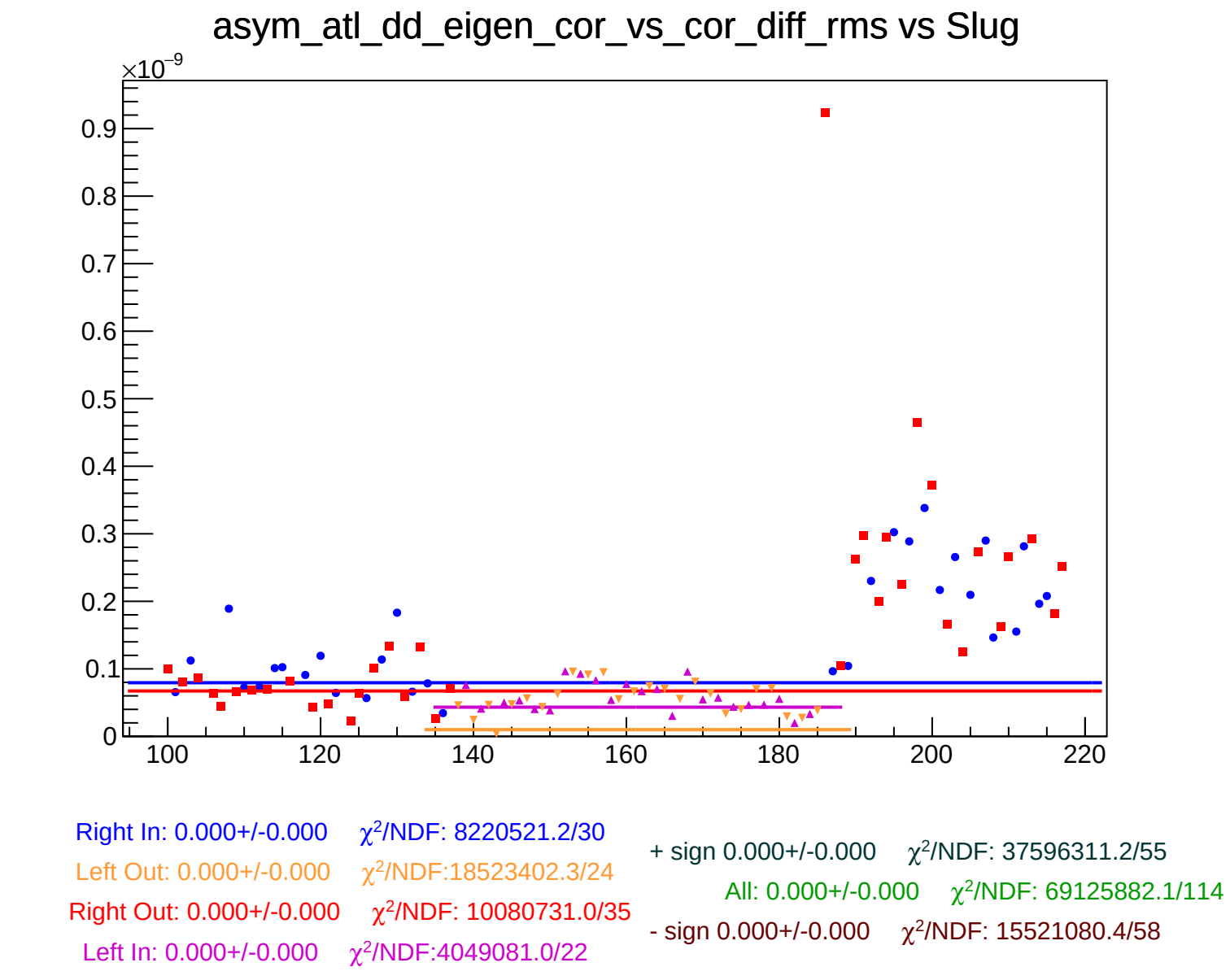
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/35

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

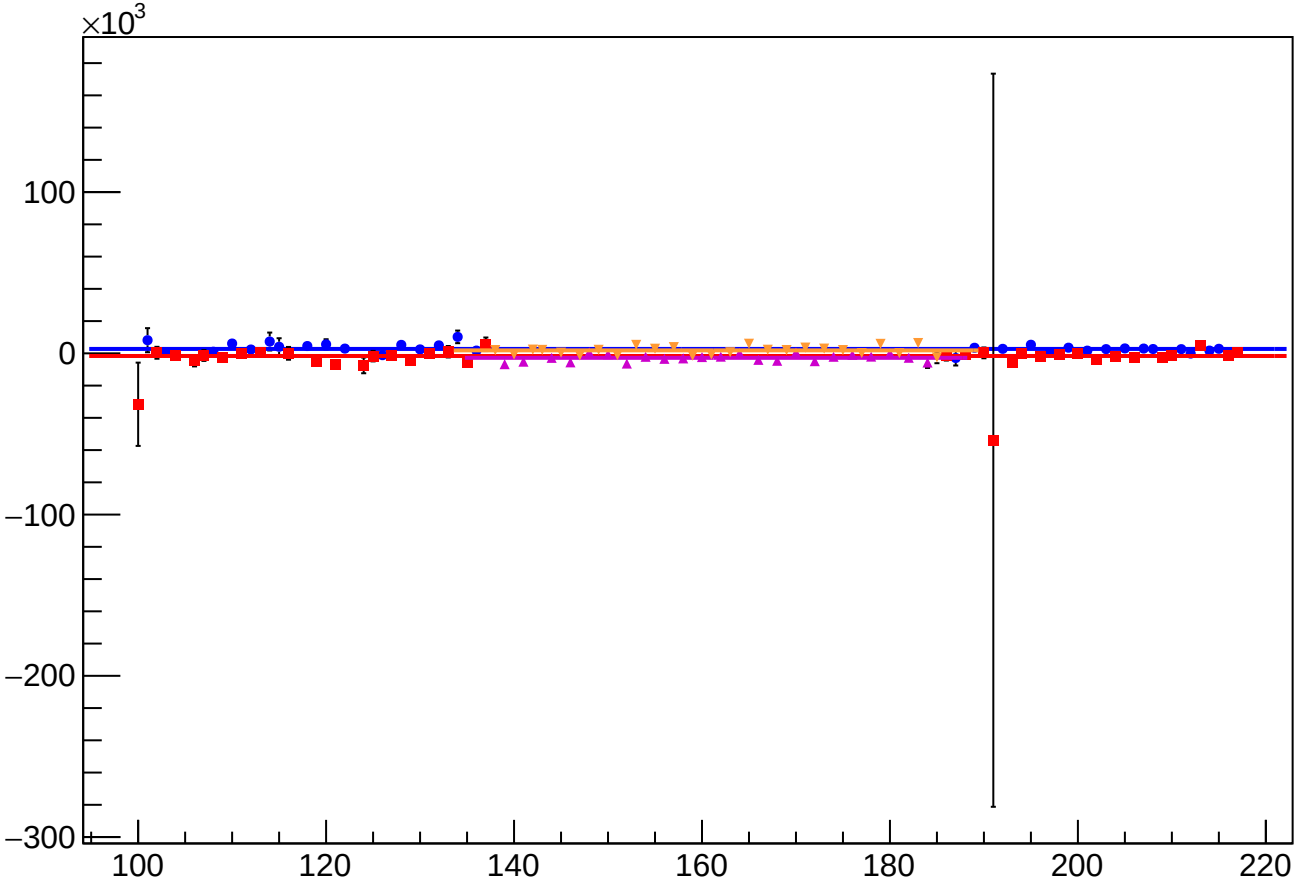
+ sign -0.000+/-0.000 χ^2/NDF: 40.9/55

All: -0.000+/-0.000 χ^2/NDF: 109.6/114

- sign -0.000+/-0.000 χ^2/NDF: 65.4/58


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8220521.2/30
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10080731.0/35
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 37596311.2/55
All: 0.000+/-0.000 χ²/NDF: 69125882.1/114
- sign 0.000+/-0.000 χ²/NDF: 15521080.4/58

reg_asym_atr_avg_mean vs Slug



Right In: 2741.434+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1635.790+/-436.085 χ^2/NDF: 34.0/35

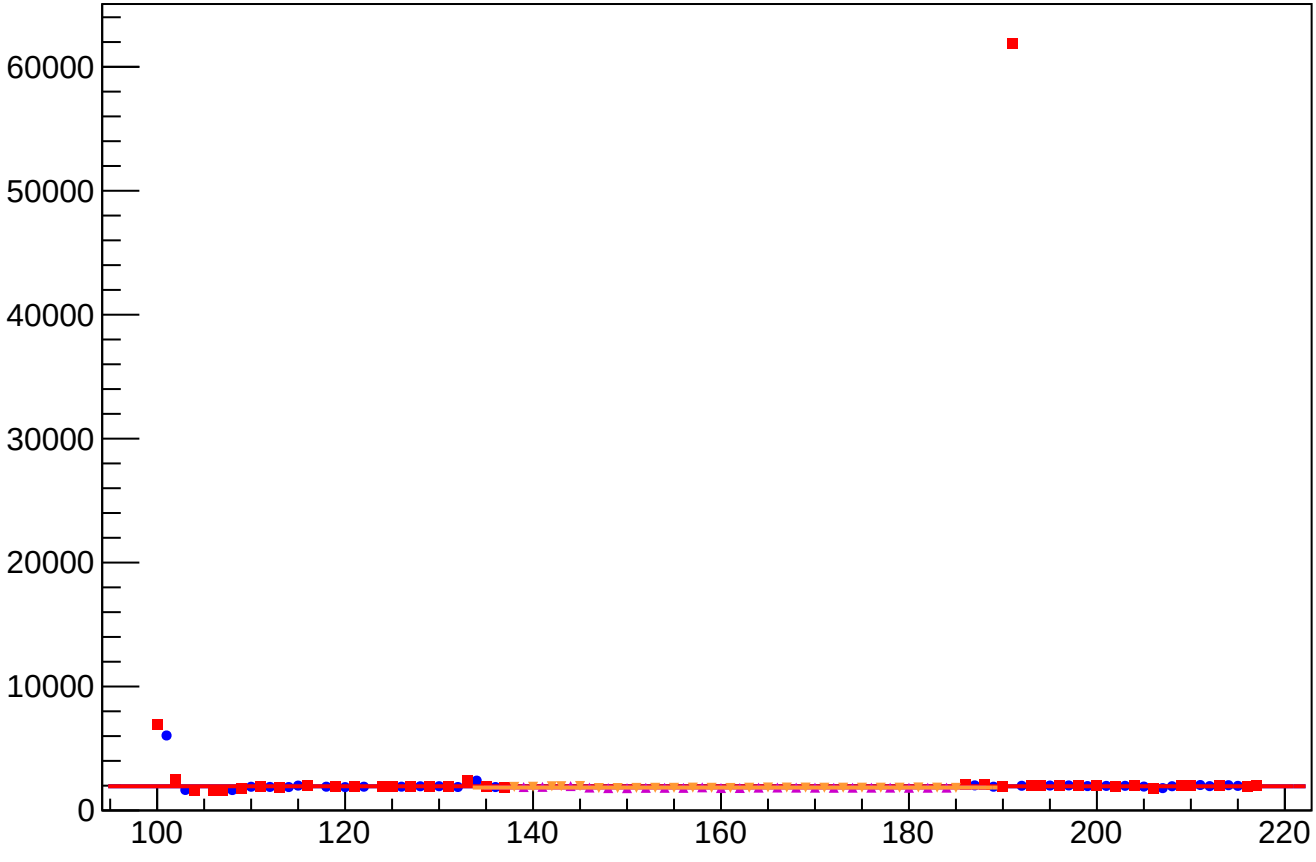
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2267.859+/-306.473 χ^2/NDF: 52.1/55

All: 27.793+/-216.718 χ^2/NDF: 221.9/114

- sign -2212.637+/-306.498 χ^2/NDF: 62.9/58

reg_asym_atr_avg_rms vs Slug



Right In: 1950.352+/-0.317 χ^2/NDF: 727030.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1951.848+/-0.308 χ^2/NDF: 427355.6/35

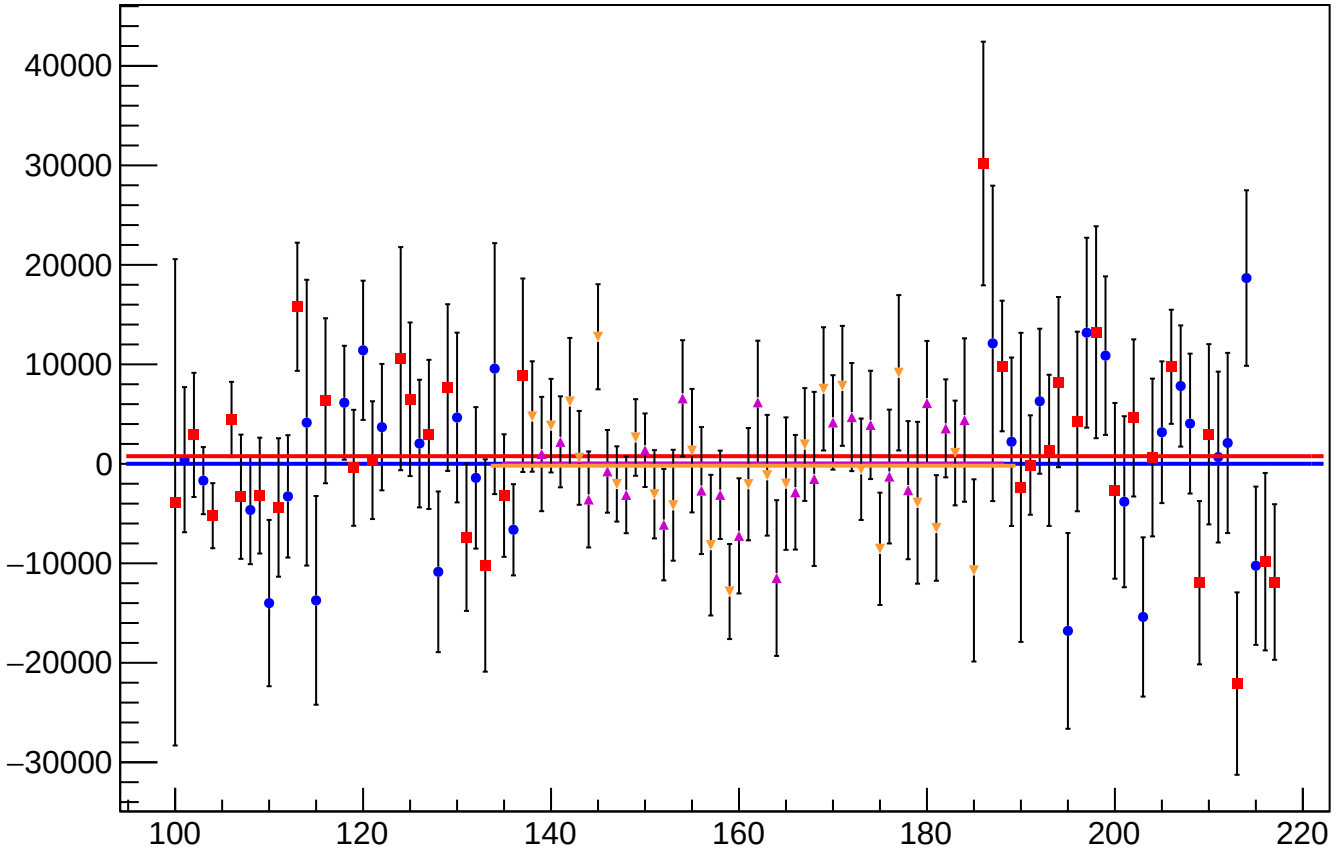
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1896.133+/-0.217 χ^2/NDF: 802884.2/55

All: 1897.008+/-0.153 χ^2/NDF: 1305064.4/11

- sign 1897.882+/-0.217 χ^2/NDF: 502147.7/58

asym_atr_avg_reg_correction_mean vs Slug



Right In: 5.244+/-1267.902 χ^2/NDF: 35.3/30

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 768.070+/-1152.306 χ^2/NDF: 42.9/35

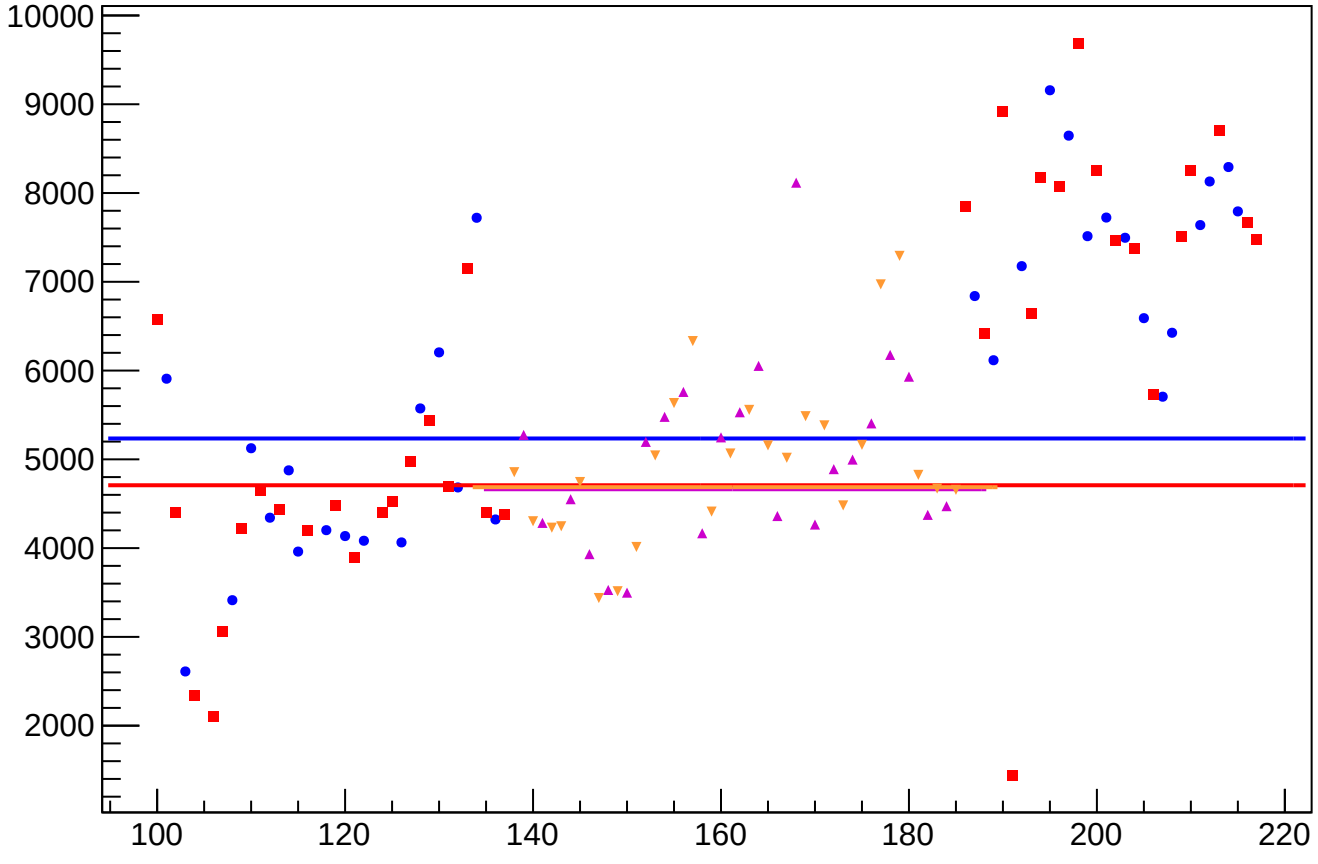
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -106.835+/-825.946 χ^2/NDF: 64.2/55

All: 144.542+/-574.782 χ^2/NDF: 121.2/114

- sign 380.601+/-800.386 χ^2/NDF: 56.8/58

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5234.978+/-0.897 χ^2/NDF: 4167872.5/30

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

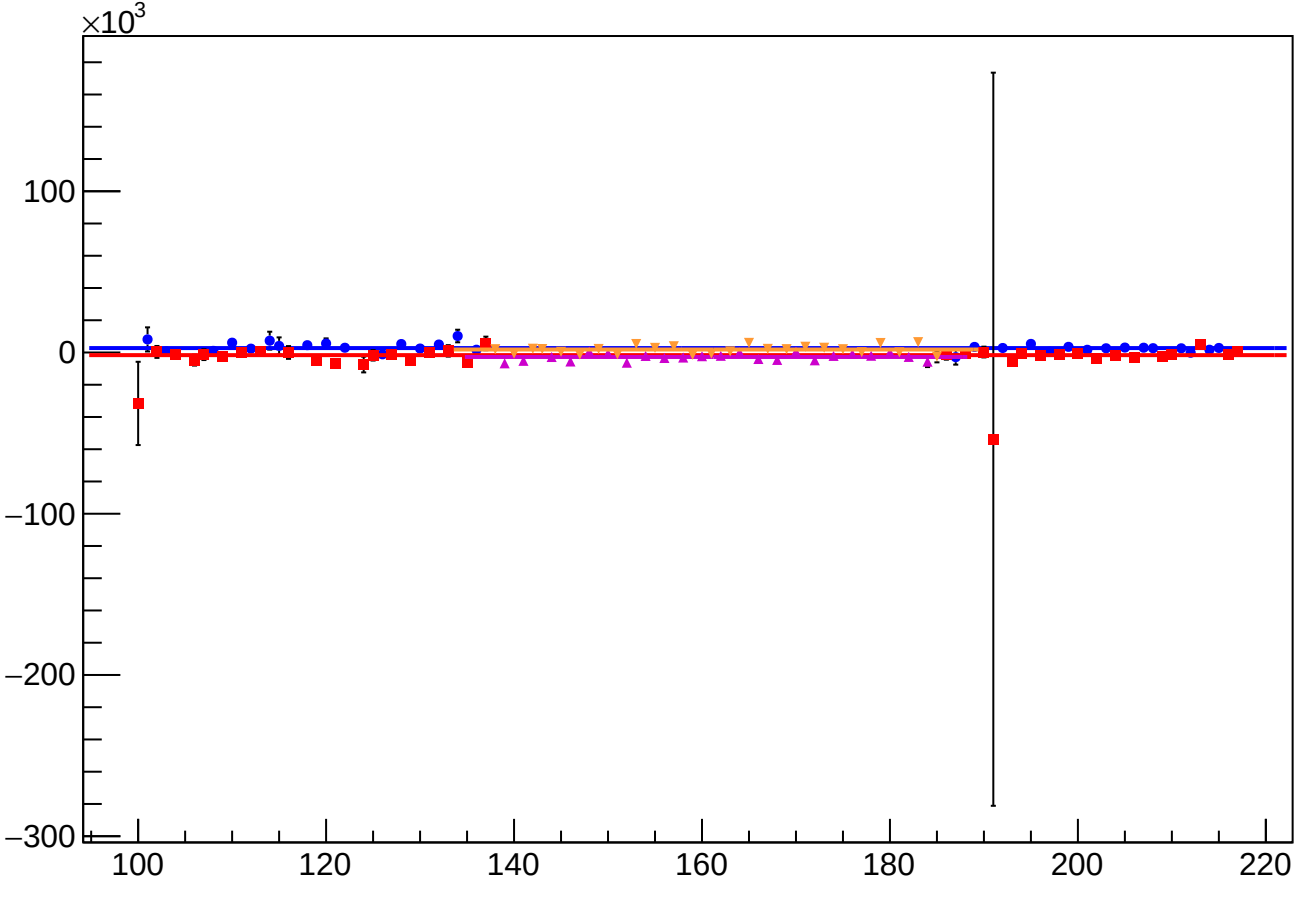
Right Out: 4708.109+/-0.815 χ^2/NDF: 7042813.5/35

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4919.167+/-0.584 χ^2/NDF: 5568493.3/55

All: 4798.355+/-0.406 χ^2/NDF: 13982573.9/1

- sign 4684.904+/-0.566 χ^2/NDF: 8331107.0/58



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1636.227+/-436.086 χ^2/NDF: 34.1/35

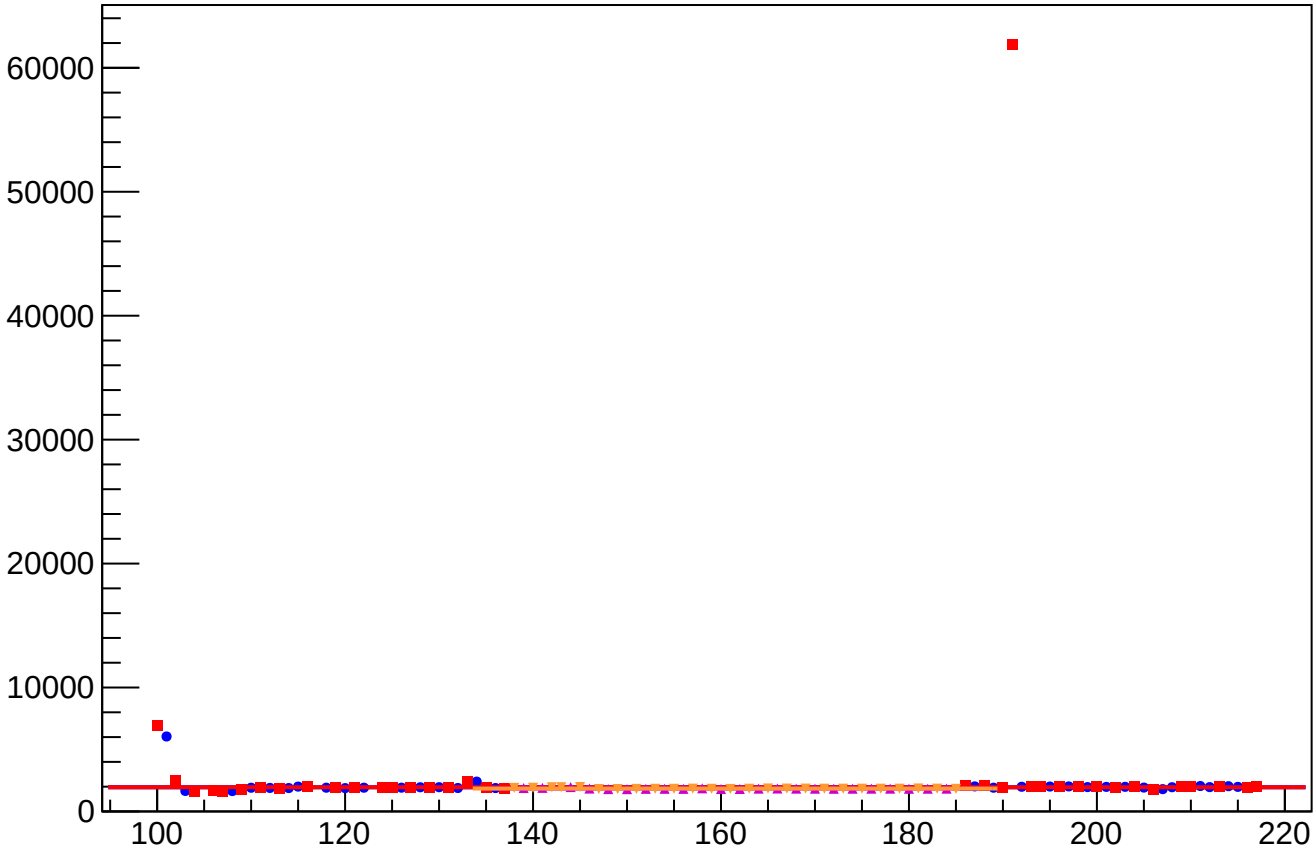
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2267.680+/-306.473 χ^2/NDF: 52.1/55

All: 27.603+/-216.718 χ^2/NDF: 221.9/114

- sign -2212.843+/-306.499 χ^2/NDF: 63.0/58

cor_asym_atr_avg_rms vs Slug



Right In: 1950.352+/-0.317 χ^2/NDF: 727029.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

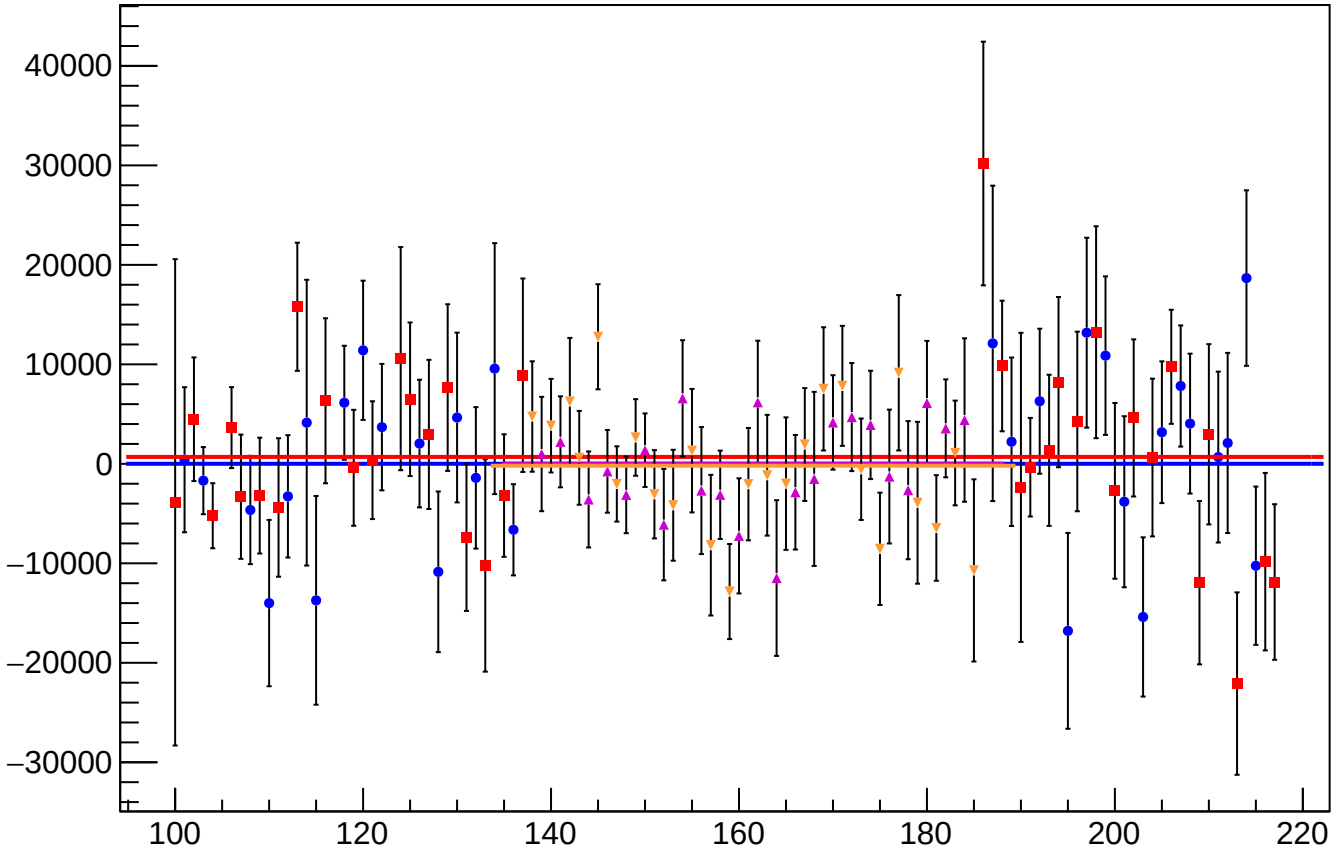
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1896.133+/-0.217 χ^2/NDF: 802883.3/55

All: 1897.381+/-0.153 χ^2/NDF: 1298449.1/11

- sign 1898.629+/-0.217 χ^2/NDF: 495499.4/58

asym_atr_avg_cor_correction_mean vs Slug



Right In: 5.059+/-1267.903 χ^2/NDF: 35.3/30

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 696.671+/-1158.995 χ^2/NDF: 42.7/35

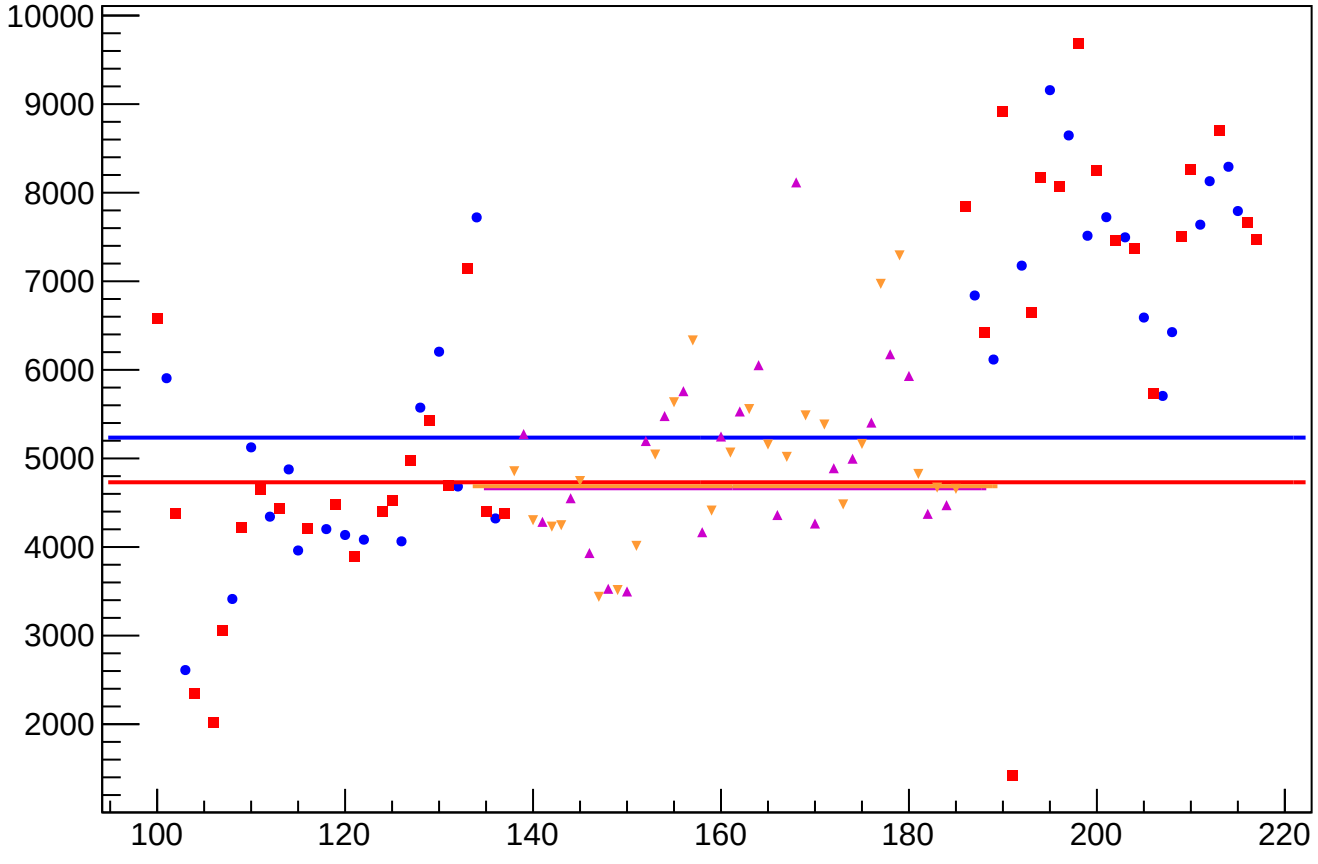
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -106.930+/-825.946 χ^2/NDF: 64.2/55

All: 125.104+/-575.607 χ^2/NDF: 121.0/114

- sign 344.217+/-802.618 χ^2/NDF: 56.6/58

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5235.040+/-0.897 χ^2/NDF: 4167201.6/30

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

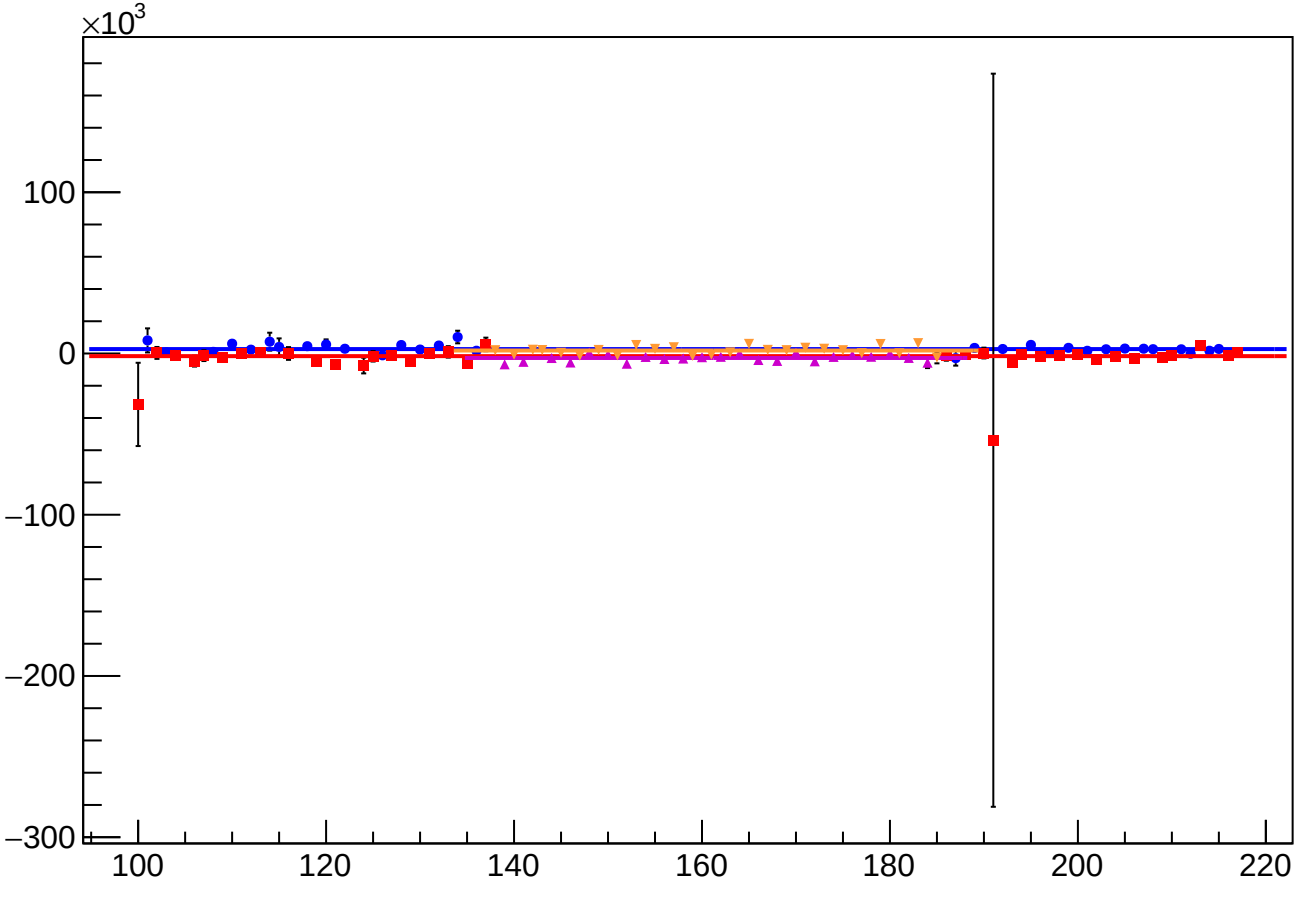
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4919.188+/-0.584 χ^2/NDF: 5567901.7/55

All: 4804.249+/-0.407 χ^2/NDF: 13916755.3/1

- sign 4695.712+/-0.568 χ^2/NDF: 8273548.6/58

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2741.177+/-448.204 χ^2/NDF: 18.5/30

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1636.227+/-436.086 χ^2/NDF: 34.1/35

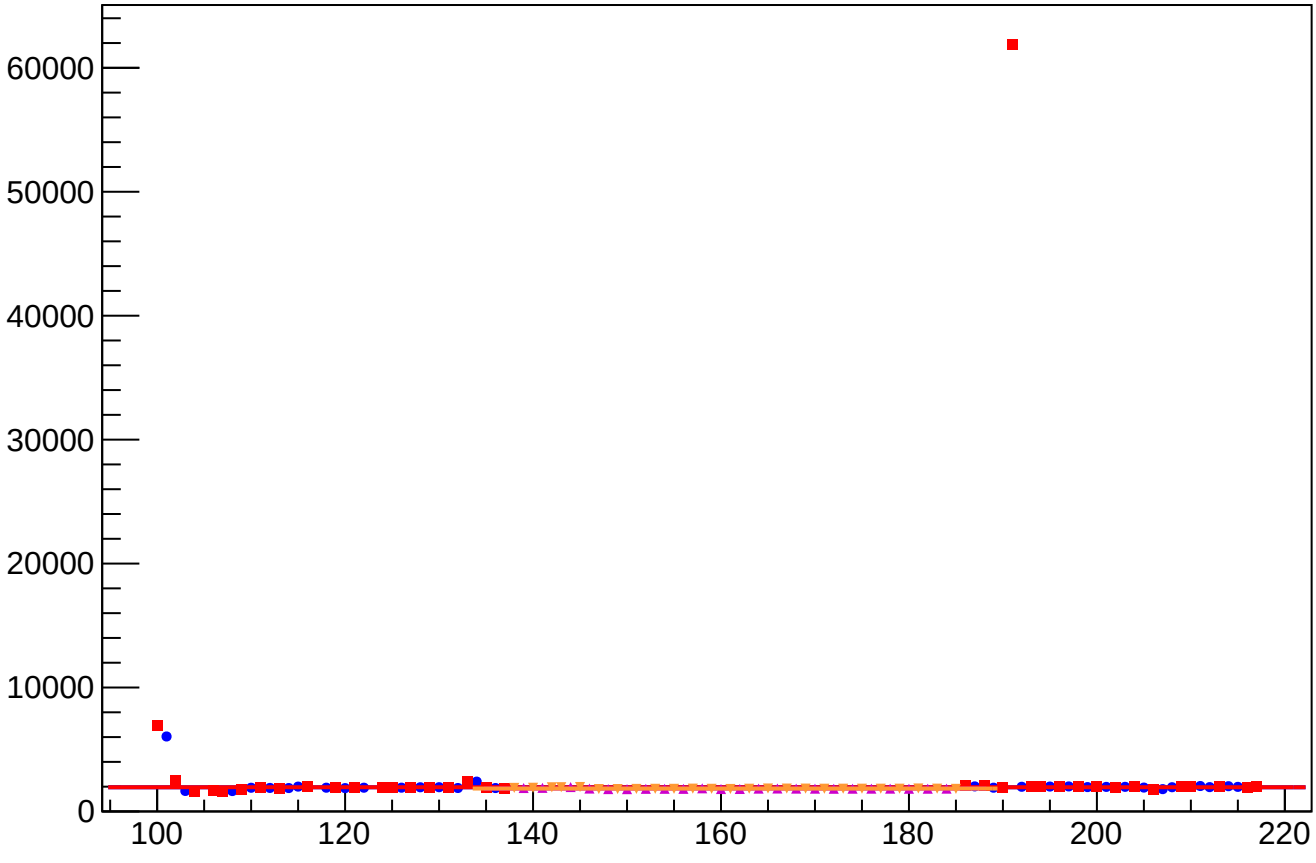
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2267.680+/-306.473 χ^2/NDF: 52.1/55

All: 27.603+/-216.718 χ^2/NDF: 221.9/114

- sign -2212.843+/-306.499 χ^2/NDF: 63.0/58

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1950.352+/-0.317 χ^2/NDF: 727029.4/30

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

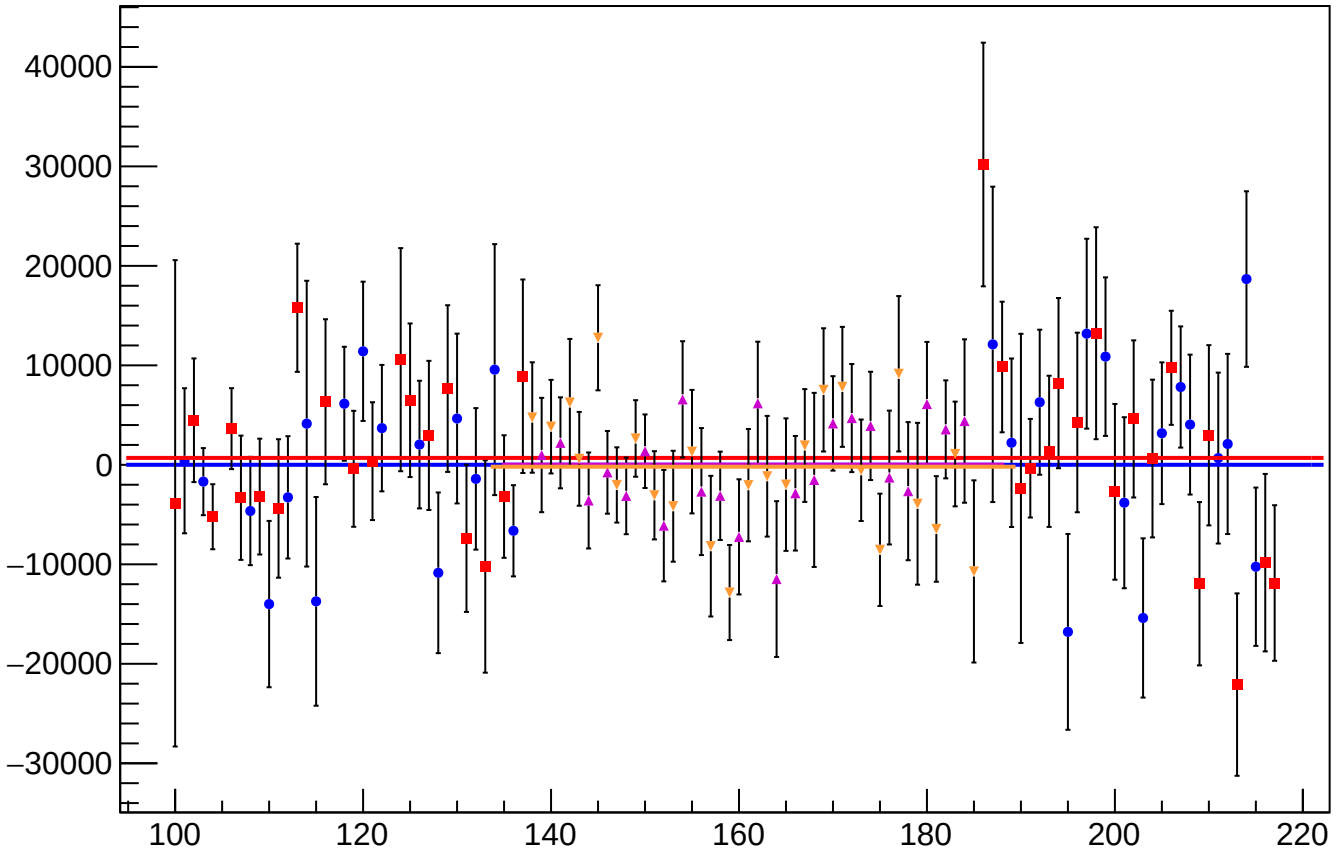
Right Out: 1953.437+/-0.308 χ^2/NDF: 418929.8/35

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1896.133+/-0.217 χ^2/NDF: 802883.3/55

All: 1897.381+/-0.153 χ^2/NDF: 1298449.1/11

- sign 1898.629+/-0.217 χ^2/NDF: 495499.4/58



Right In: 5.059+/-1267.903 χ^2/NDF: 35.3/30

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

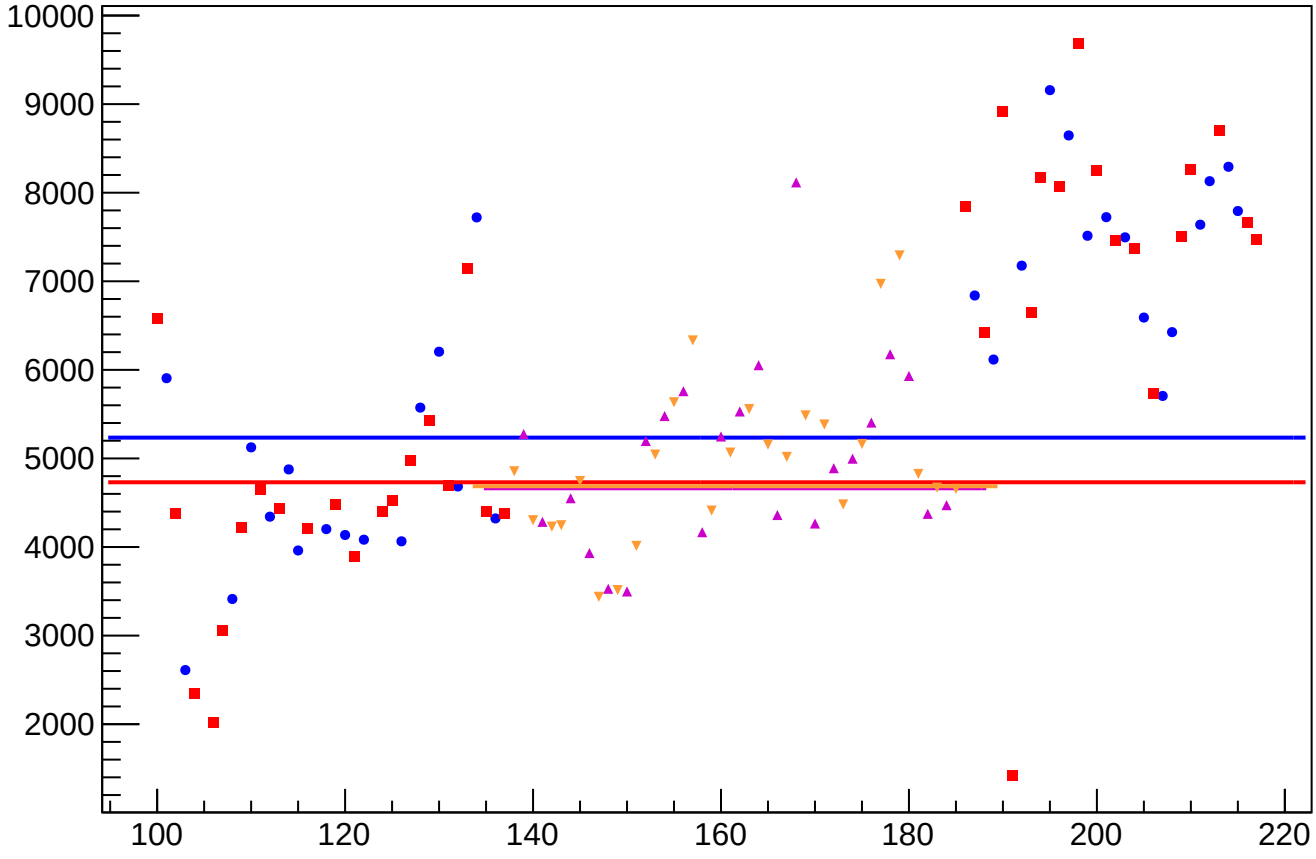
Right Out: 696.671+/-1158.995 χ^2/NDF: 42.7/35

Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -106.930+/-825.946 χ^2/NDF: 64.2/55

All: 125.104+/-575.607 χ^2/NDF: 121.0/114

- sign 344.217+/-802.618 χ^2/NDF: 56.6/58



Right In: 5235.040+/-0.897 χ^2/NDF: 4167201.6/30

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4730.914+/-0.820 χ^2/NDF: 6983280.7/35

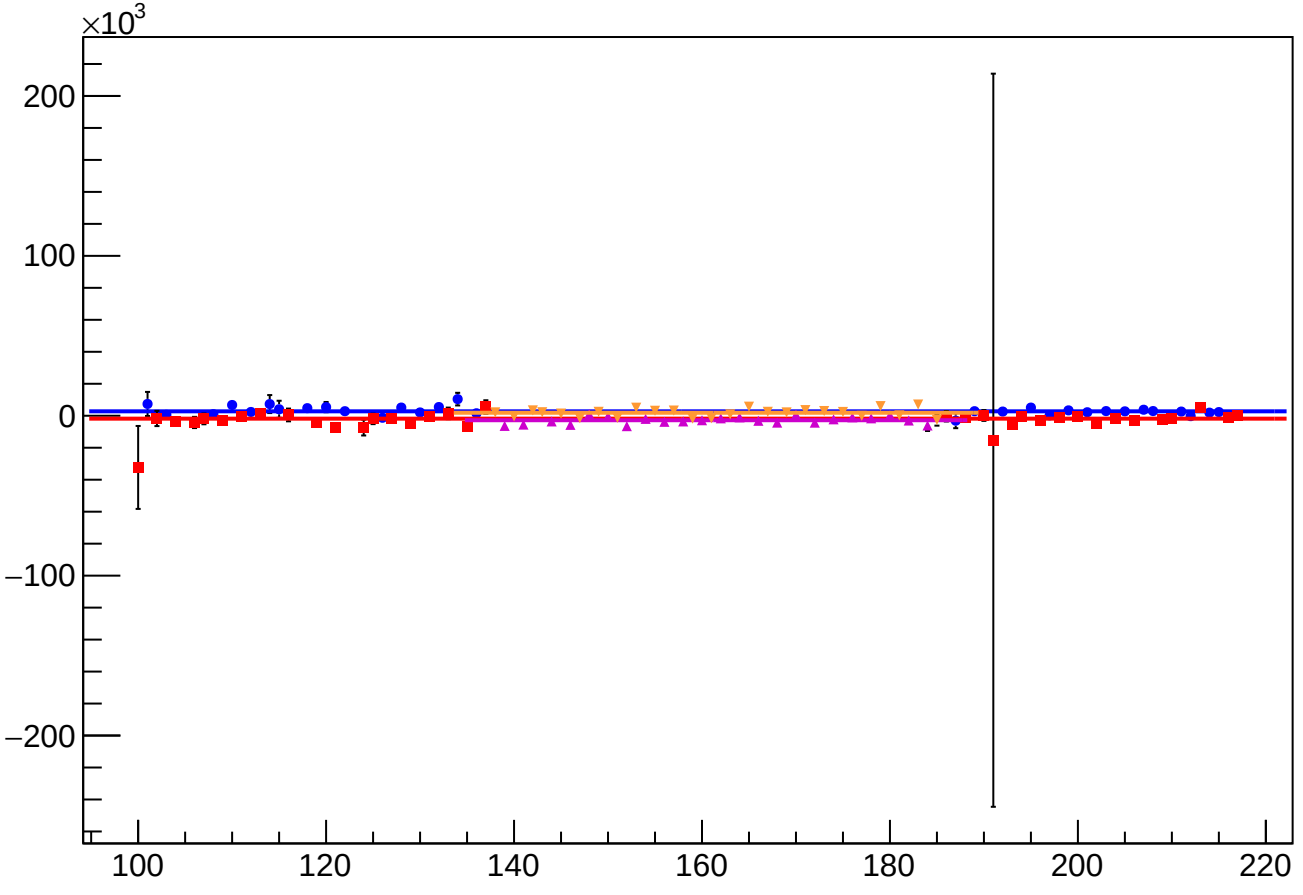
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4919.188+/-0.584 χ^2/NDF: 5567901.7/55

All: 4804.249+/-0.407 χ^2/NDF: 13916755.3/1

- sign 4695.712+/-0.568 χ^2/NDF: 8273548.6/58

dit_asym_atr_avg_mean vs Slug



Right In: 2771.471+/-456.391 χ^2/NDF: 19.0/30

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1815.852+/-444.925 χ^2/NDF: 35.5/35

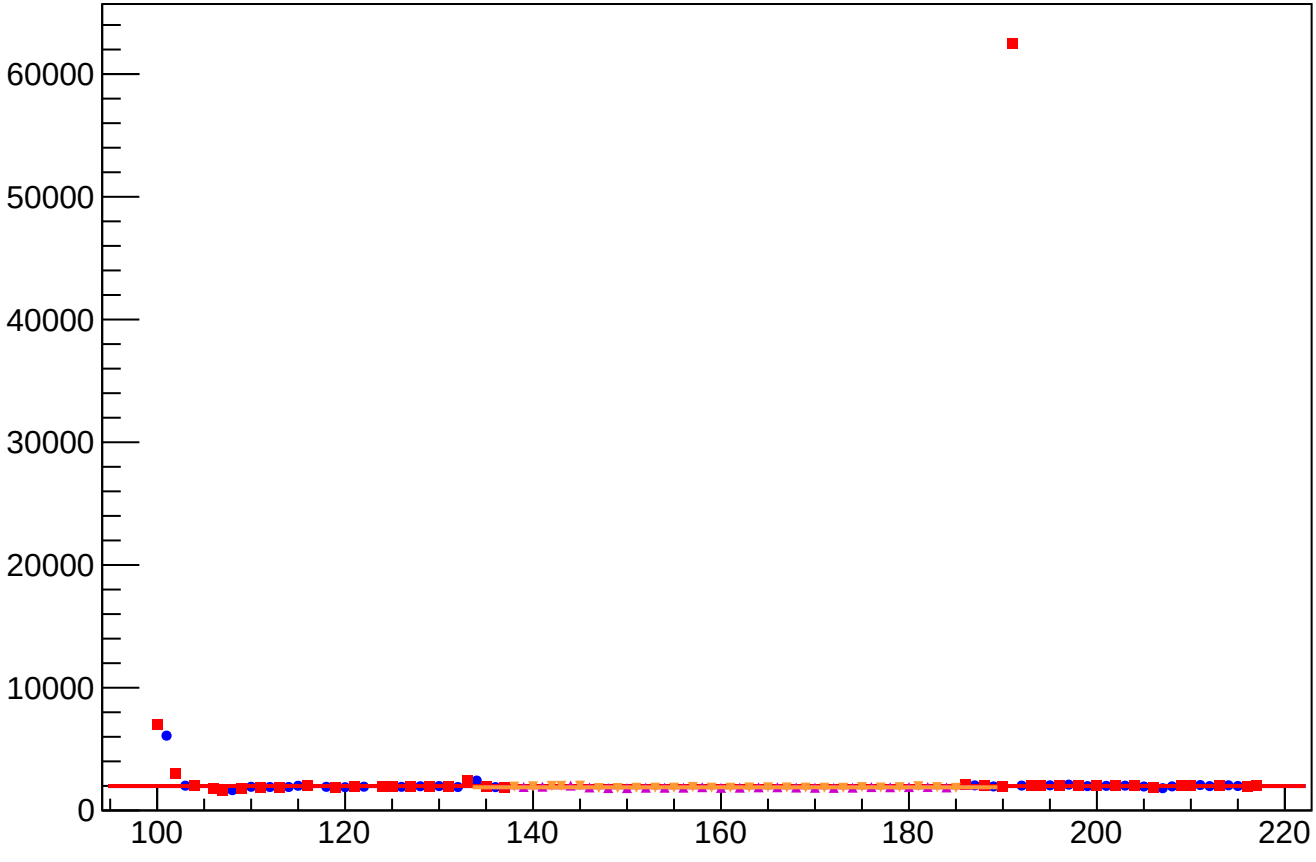
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2298.654+/-312.576 χ^2/NDF: 54.0/55

All: -7.395+/-221.025 χ^2/NDF: 226.3/114

- sign -2313.467+/-312.578 χ^2/NDF: 63.4/58

dit_asym_atr_avg_rms vs Slug



Right In: 1986.576+/-0.323 χ^2/NDF: 695065.2/30

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.778+/-0.315 χ^2/NDF: 437092.4/35

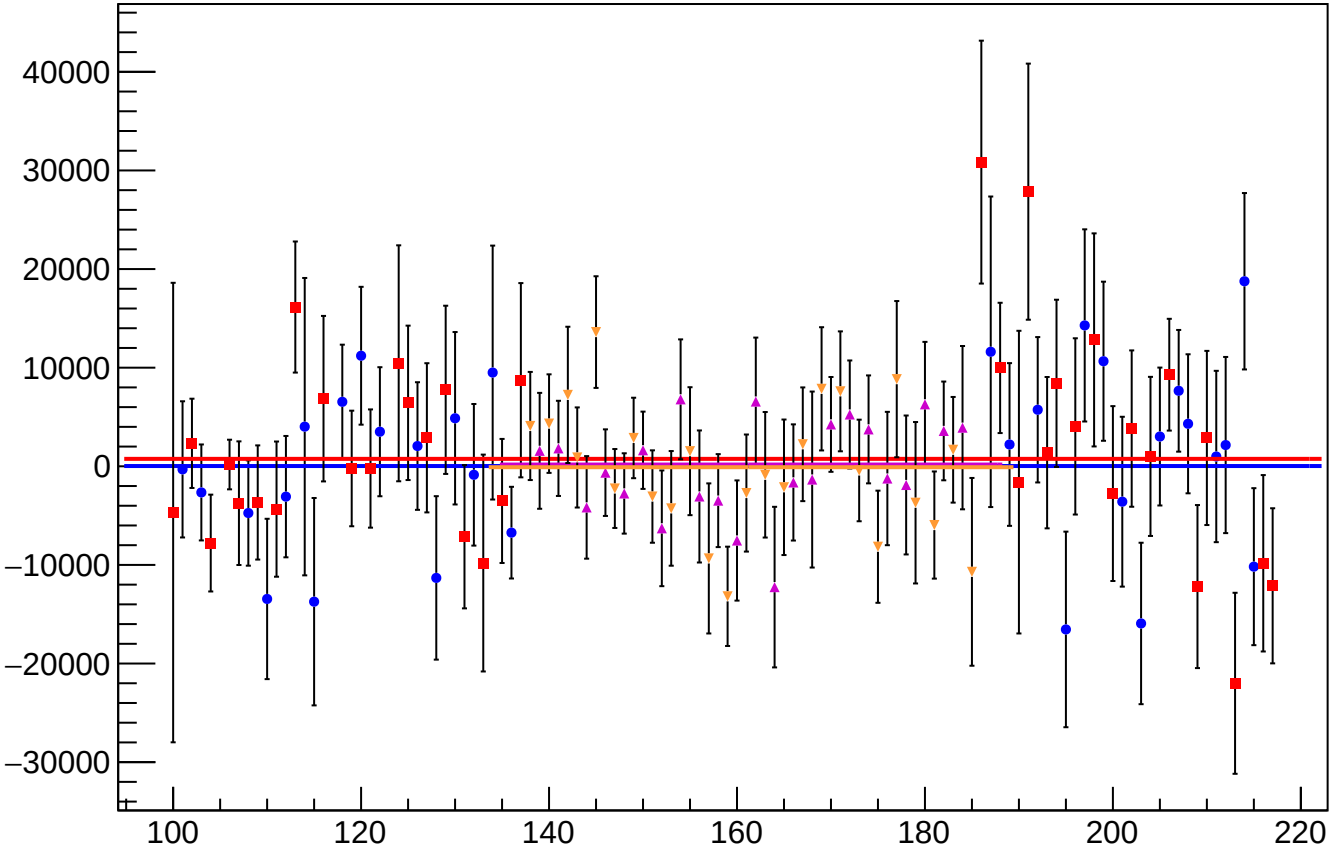
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1933.998+/-0.221 χ^2/NDF: 777016.9/55

All: 1934.244+/-0.156 χ^2/NDF: 1294185.8/11

- sign 1934.491+/-0.221 χ^2/NDF: 517166.4/58

asym_atr_avg_dit_correction_mean vs Slug



Right In: 27.079+/-1321.451 χ^2/NDF: 35.0/30

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 754.885+/-1137.702 χ^2/NDF: 45.8/35

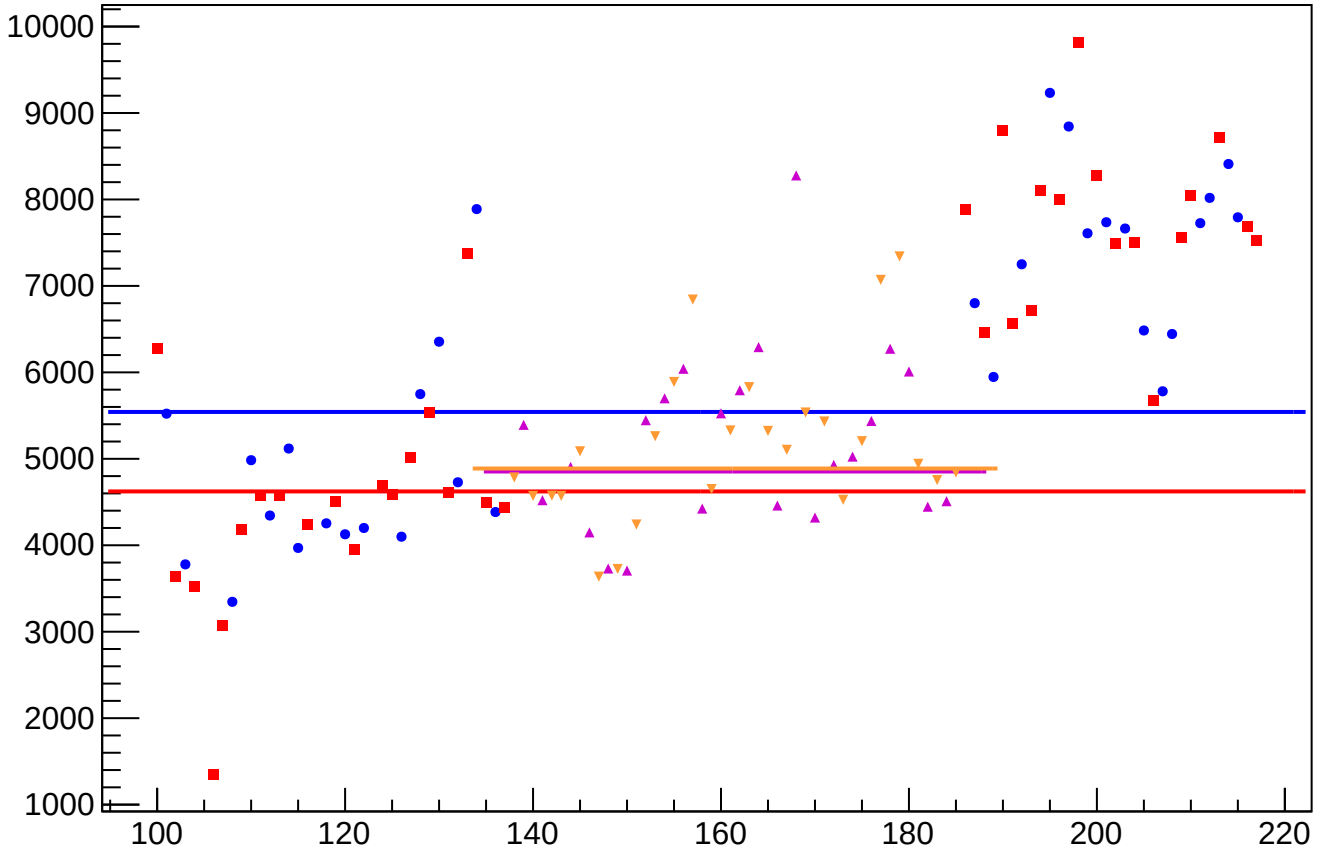
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -41.474+/-860.234 χ^2/NDF: 63.1/55

All: 229.689+/-590.059 χ^2/NDF: 122.8/114

- sign 470.635+/-810.890 χ^2/NDF: 59.5/58

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5542.142+/-0.934 χ^2/NDF: 3076795.8/30

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

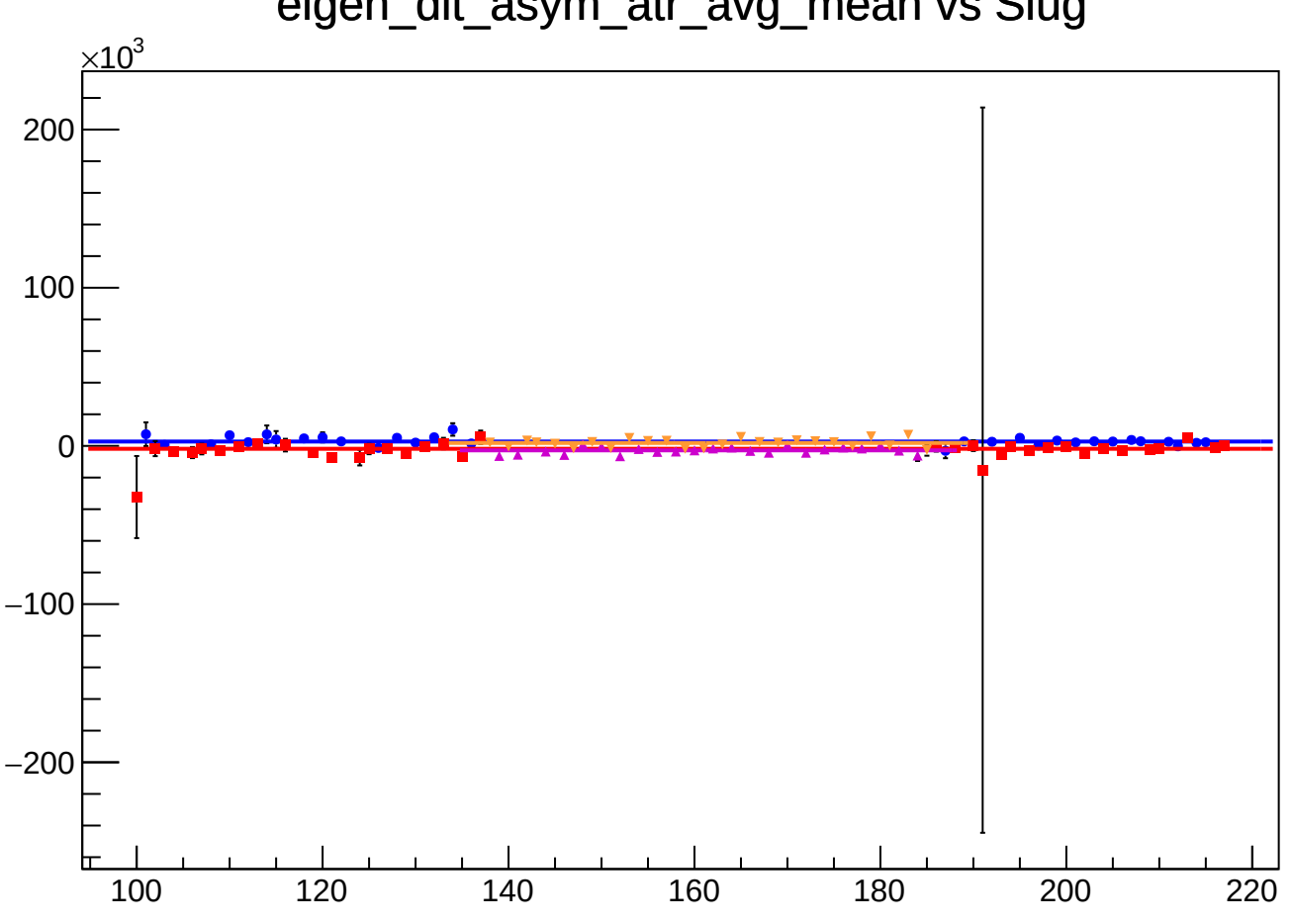
Right Out: 4622.689+/-0.804 χ^2/NDF: 8022174.4/35

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5165.104+/-0.608 χ^2/NDF: 4422648.6/55

All: 4937.988+/-0.417 χ^2/NDF: 13927195.6/1

- sign 4736.180+/-0.573 χ^2/NDF: 9241262.5/58



Right In: 2771.468+/-456.391 χ^2/NDF: 19.0/30

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1815.854+/-444.925 χ^2/NDF: 35.5/35

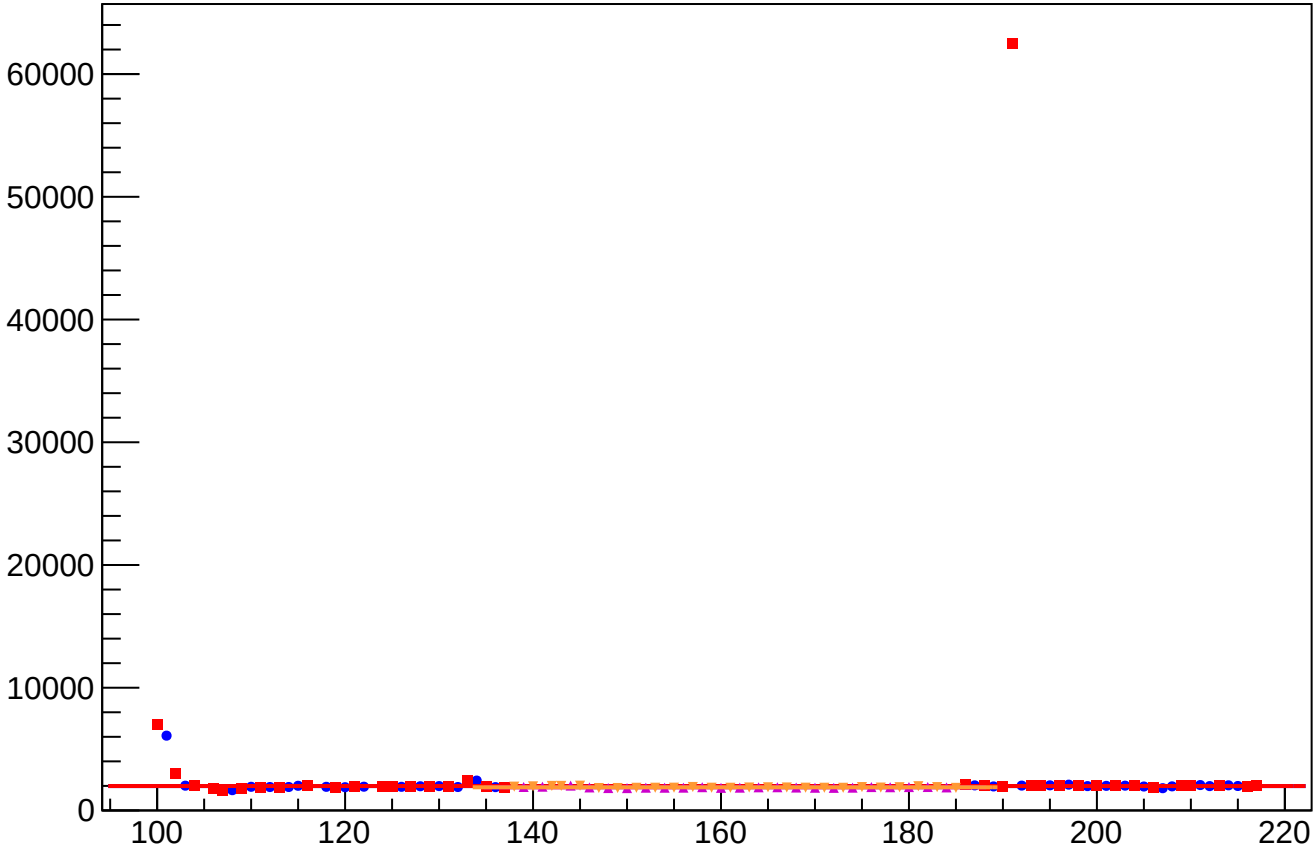
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2298.650+/-312.576 χ^2/NDF: 54.0/55

All: -7.397+/-221.025 χ^2/NDF: 226.3/114

- sign -2313.468+/-312.578 χ^2/NDF: 63.4/58

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1986.576+/-0.323 χ^2/NDF: 695065.4/30

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

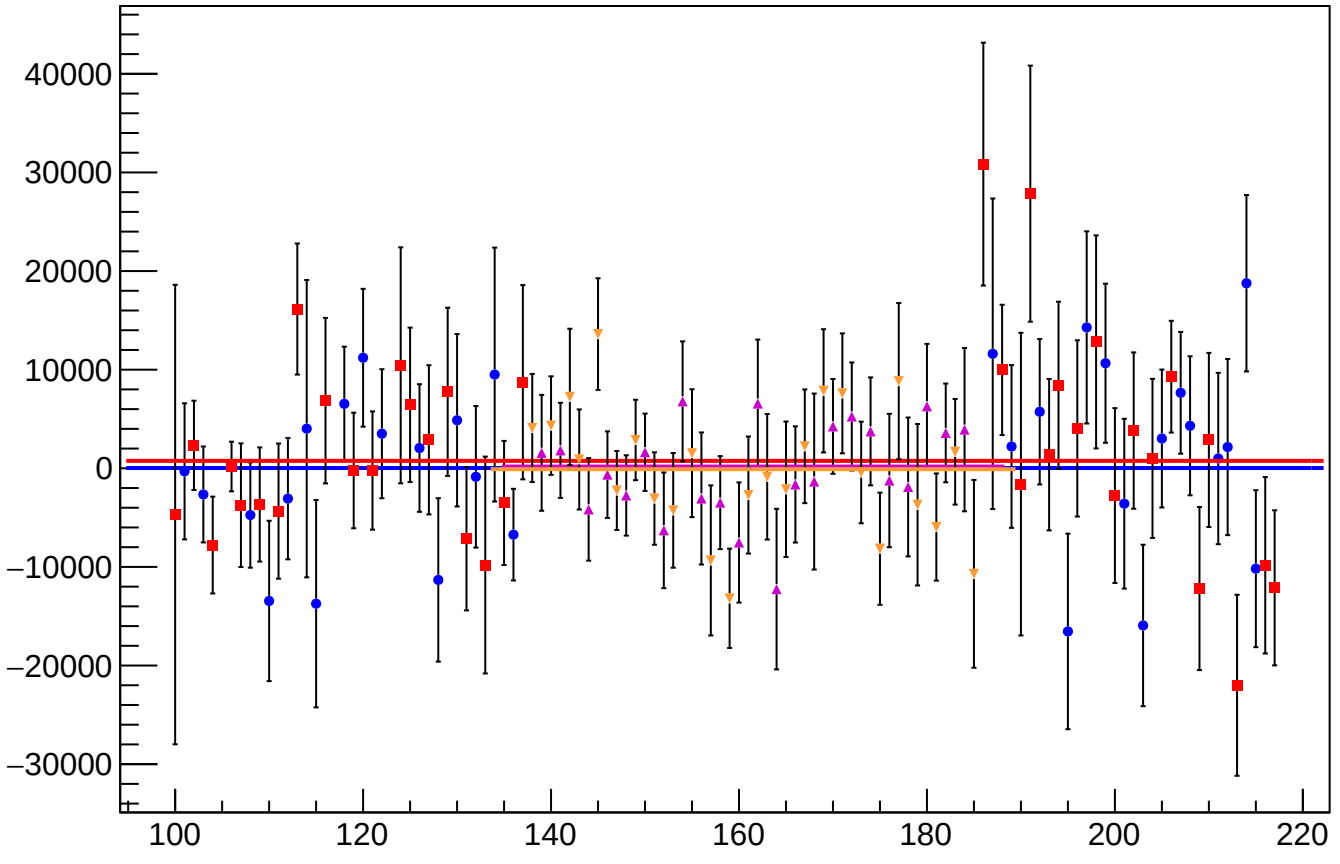
Right Out: 1989.777+/-0.315 χ^2/NDF: 437091.9/35

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1933.998+/-0.221 χ^2/NDF: 777016.3/55

All: 1934.245+/-0.156 χ^2/NDF: 1294183.8/11

- sign 1934.491+/-0.221 χ^2/NDF: 517165.0/58



Right In: 27.086+/-1321.450 χ^2/NDF: 35.0/30

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 754.884+/-1137.701 χ^2/NDF: 45.8/35

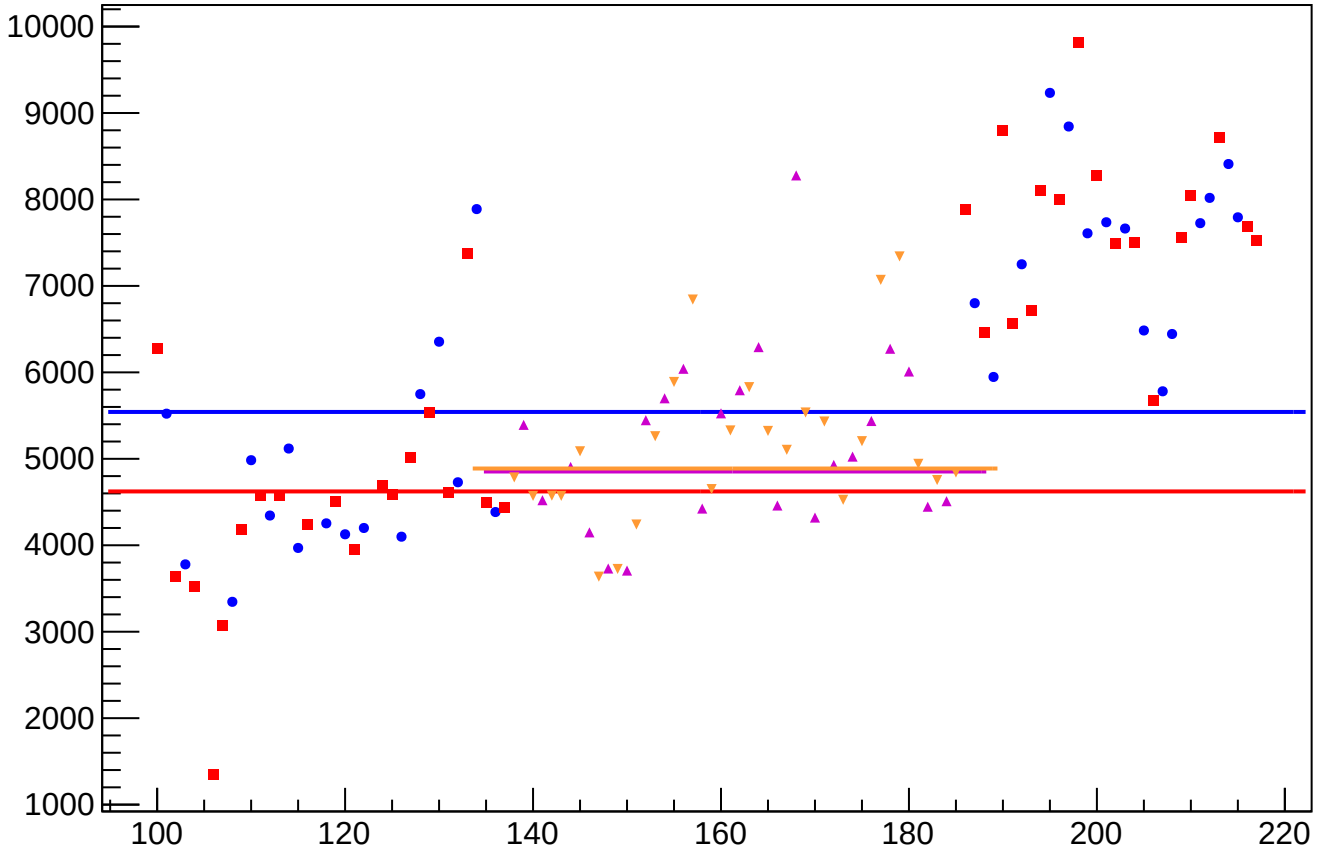
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

\+ sign -41.473+/-860.235 χ^2/NDF: 63.1/55

All: 229.690+/-590.060 χ^2/NDF: 122.8/114

\- sign 470.636+/-810.890 χ^2/NDF: 59.5/58

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5542.137+/-0.934 χ^2/NDF: 3076820.1/30

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4622.681+/-0.804 χ^2/NDF: 8022222.9/35

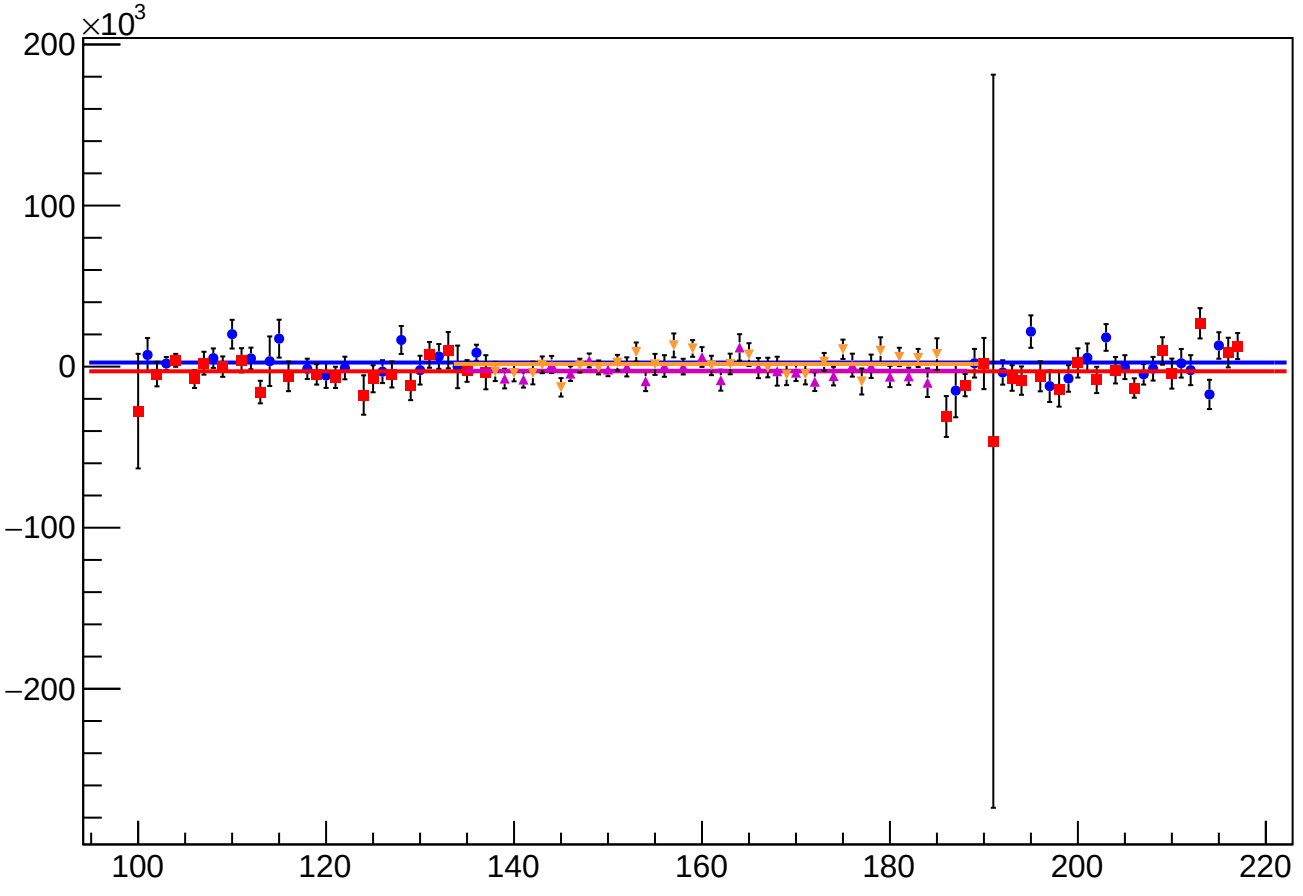
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5165.108+/-0.608 χ^2/NDF: 4422663.5/55

All: 4937.989+/-0.417 χ^2/NDF: 13927272.2/1

- sign 4736.179+/-0.573 χ^2/NDF: 9241319.2/58

asym_atr_avg_mean vs Slug



Right In: 2551.606+/-1382.659 χ^2/NDF: 34.2/30

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -2889.126+/-1323.586 χ^2/NDF: 45.2/35

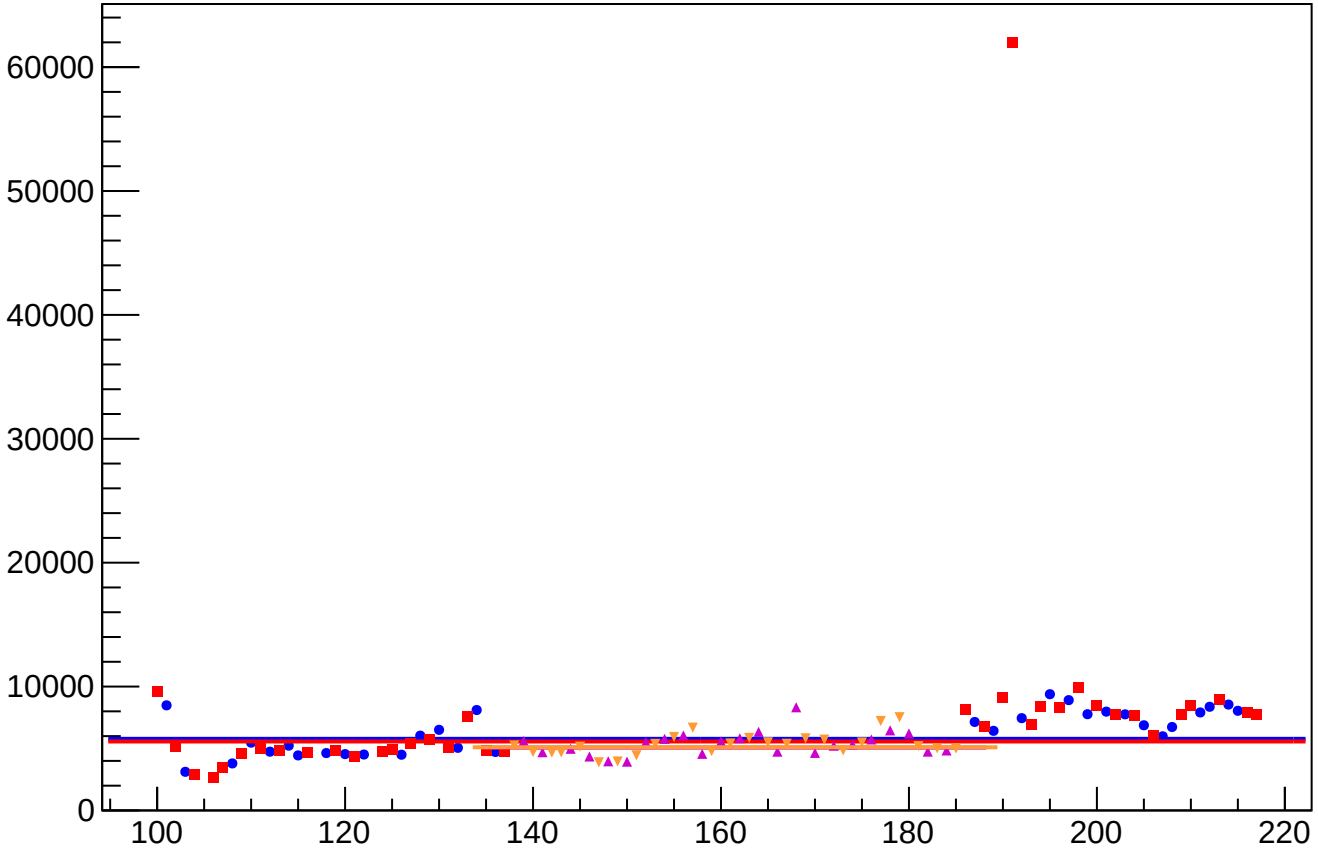
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2032.116+/-896.975 χ^2/NDF: 60.4/55

All: -355.794+/-632.070 χ^2/NDF: 135.6/114

- sign -2711.058+/-890.822 χ^2/NDF: 61.2/58

asym_atr_avg_rms vs Slug



Right In: 5781.013+/-0.978 χ^2/NDF: 3352514.7/30

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5567.817+/-0.931 χ^2/NDF: 4549669.6/35

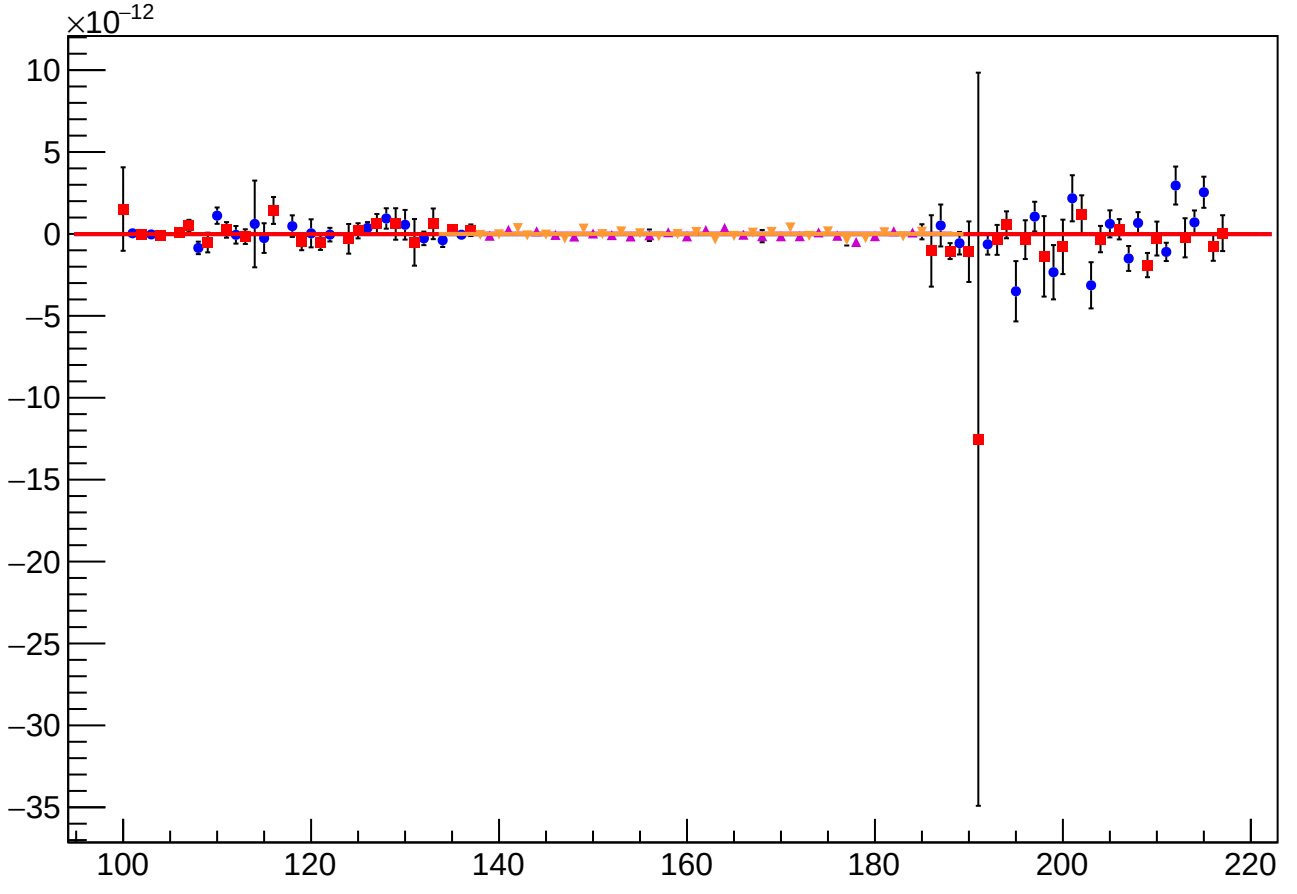
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5386.978+/-0.634 χ^2/NDF: 4542311.9/55

All: 5342.465+/-0.446 χ^2/NDF: 10247138.0/1

- sign 5298.778+/-0.628 χ^2/NDF: 5695066.8/58

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 56.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

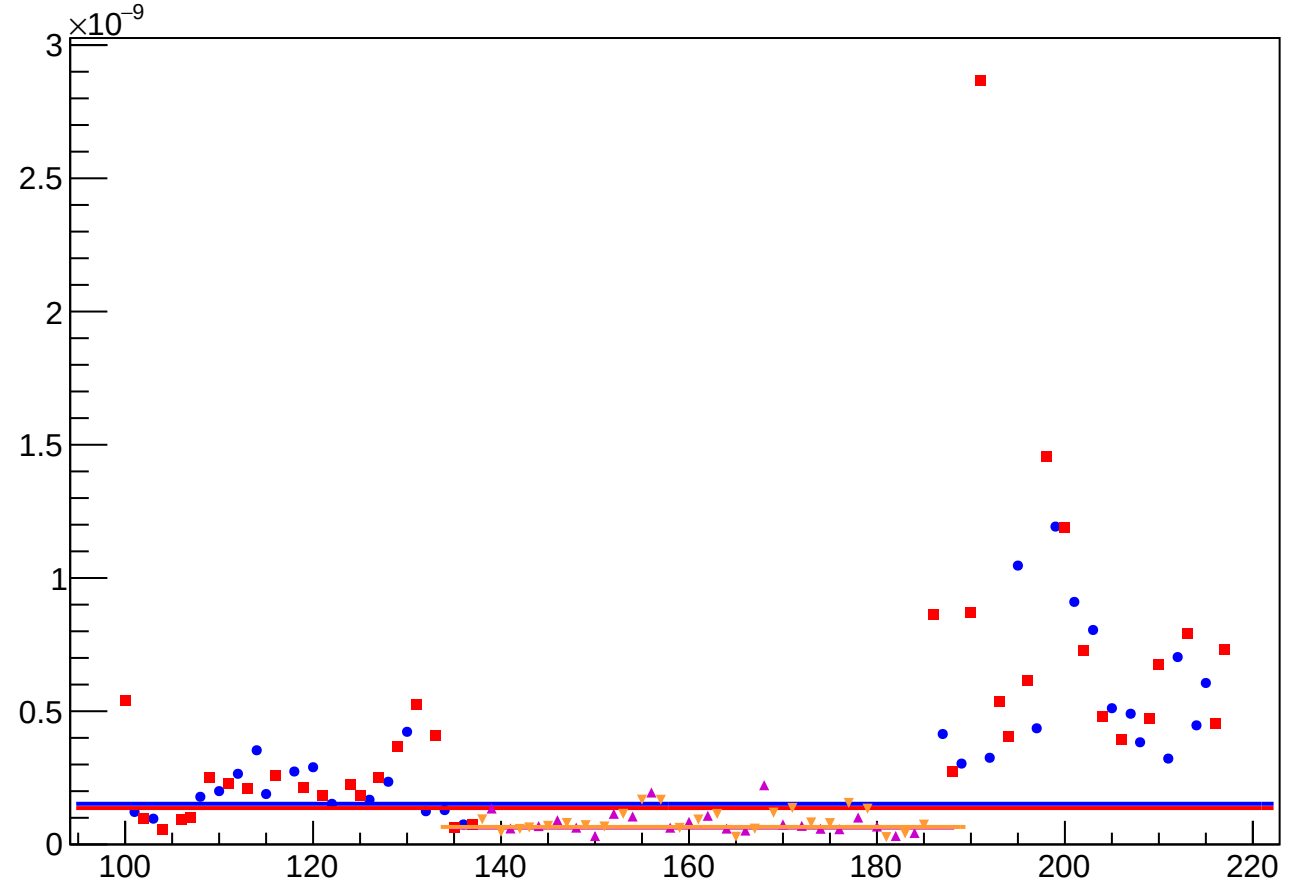
Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/35

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.3/55

All: 0.000+/-0.000 χ^2/NDF: 153.1/114

- sign 0.000+/-0.000 χ^2/NDF: 63.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6771531.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9047843.8/35

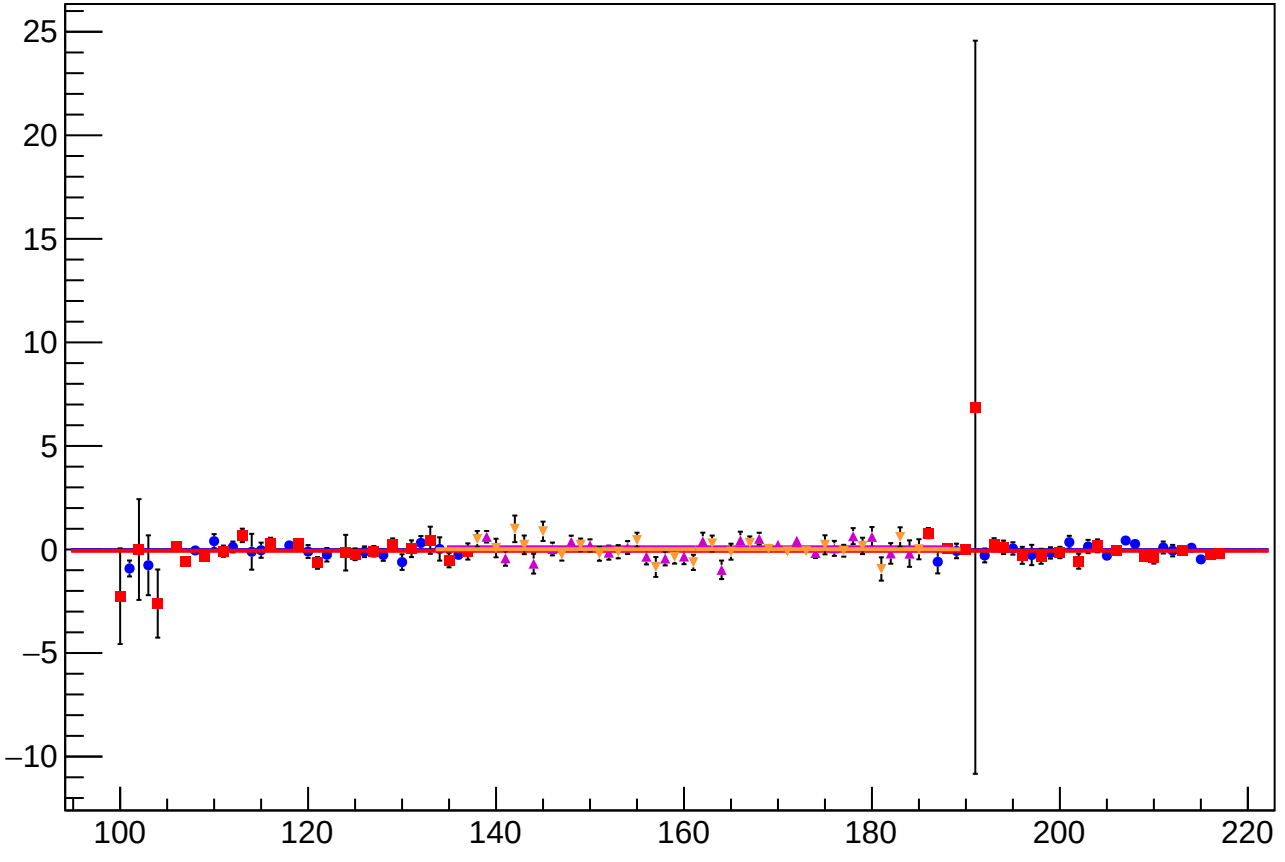
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11827123.5/55

All: 0.000+/-0.000 χ^2/NDF: 25033552.7/114

- sign 0.000+/-0.000 χ^2/NDF: 13184306.7/58

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

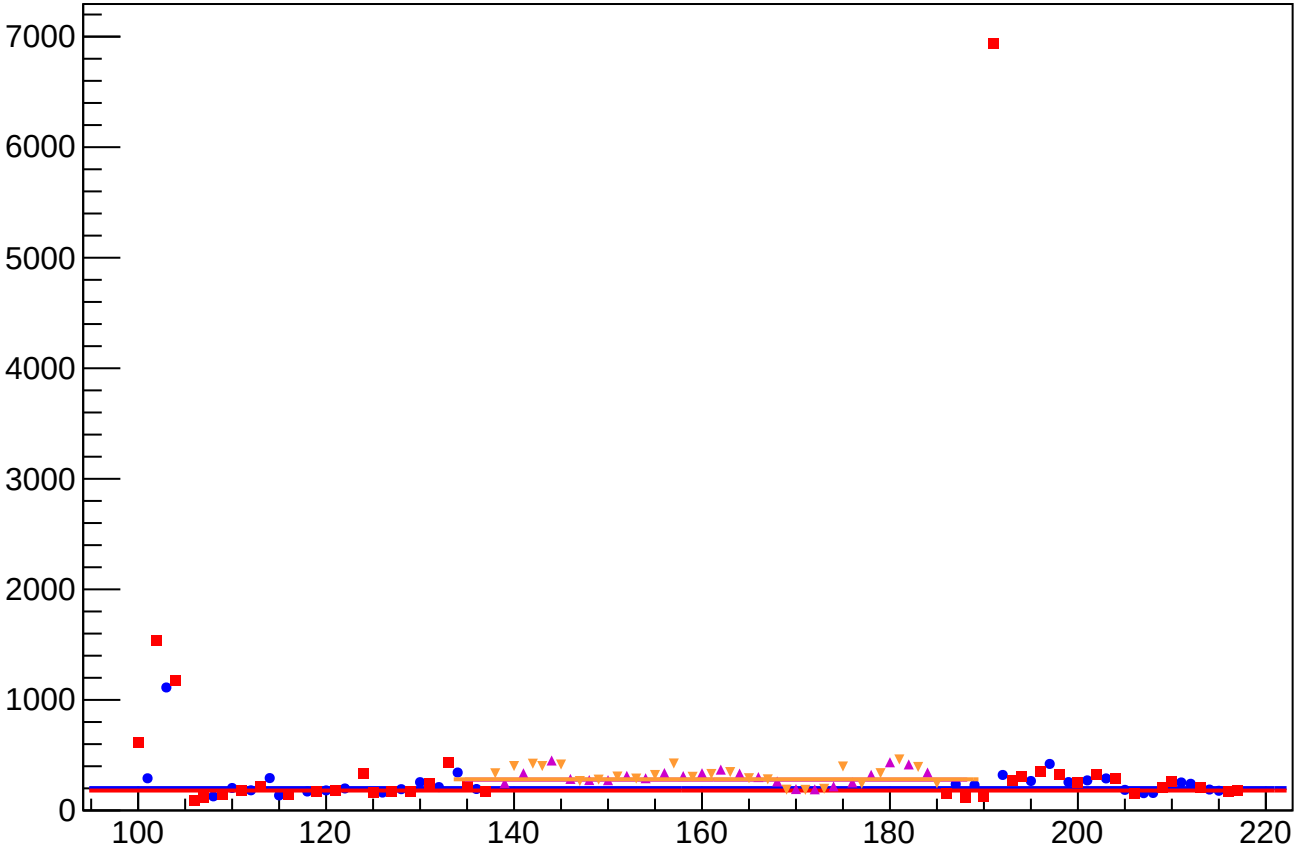
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.040 χ^2/NDF: 61.5/55

All: -0.014+/-0.027 χ^2/NDF: 147.0/114

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 202.304+/-0.035 χ^2/NDF: 3033433.5/30

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

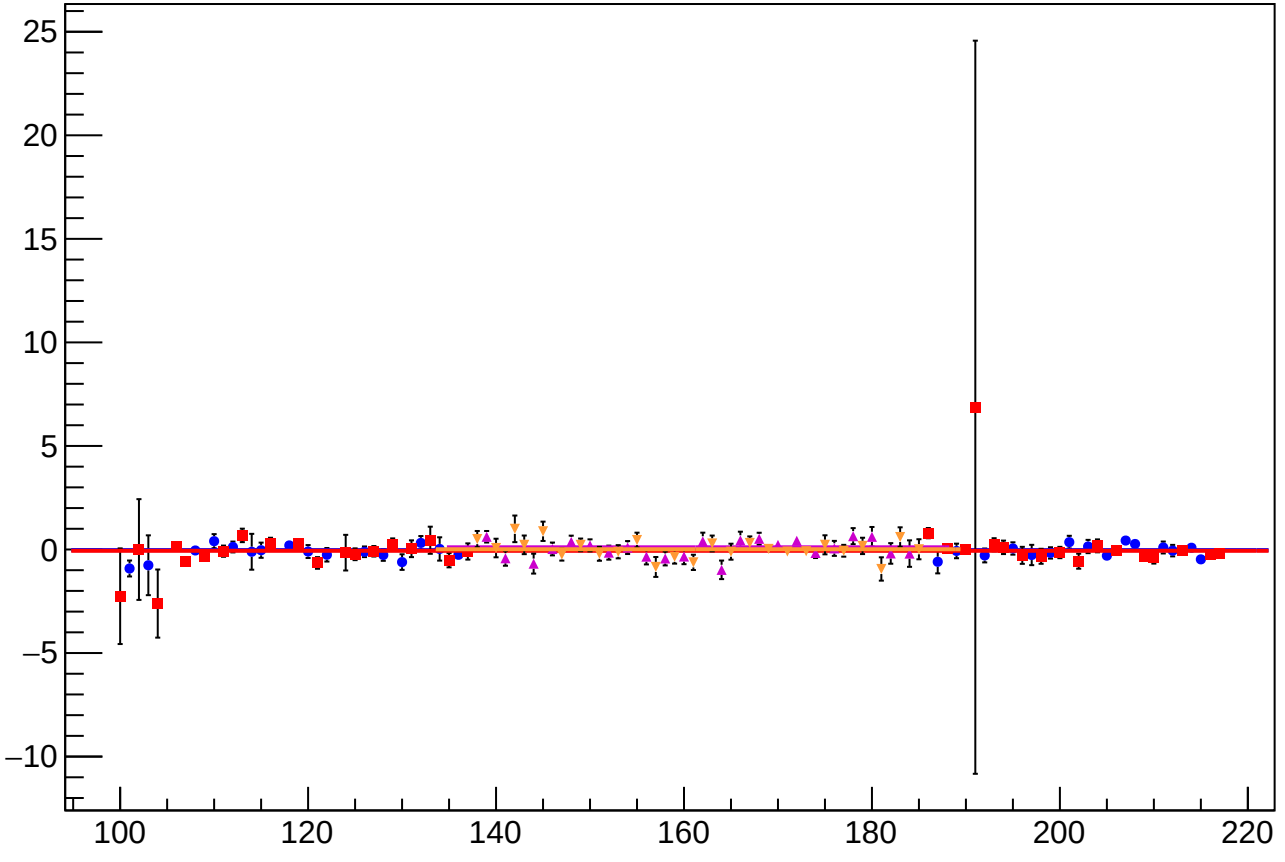
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 230.064+/-0.028 χ^2/NDF: 7331739.1/55

All: 219.095+/-0.019 χ^2/NDF: 17969224.6/11

- sign 209.558+/-0.027 χ^2/NDF: 10359221.4/58

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

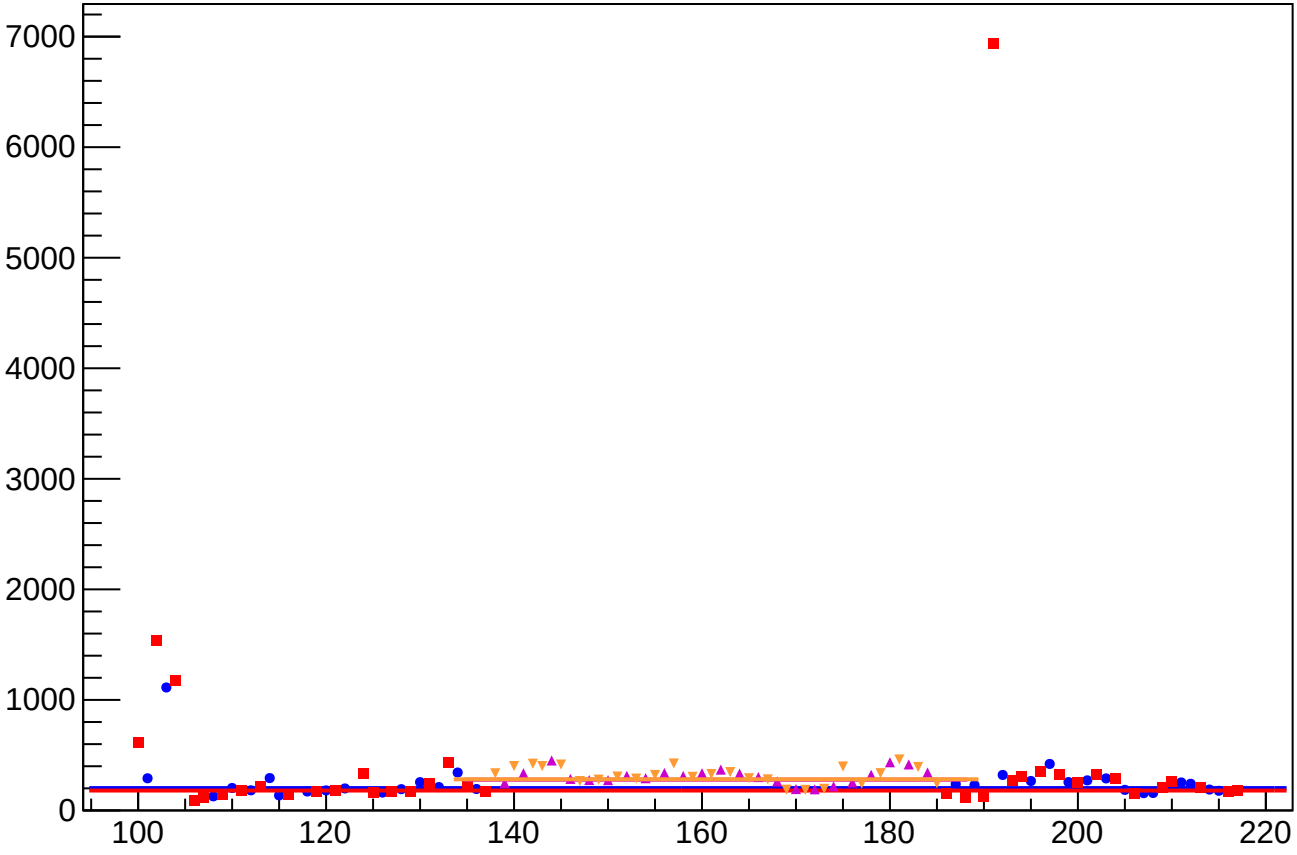
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.040 χ^2/NDF: 61.5/55

All: -0.014+/-0.027 χ^2/NDF: 147.0/114

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 202.304+/-0.035 χ^2/NDF: 3033433.5/30

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

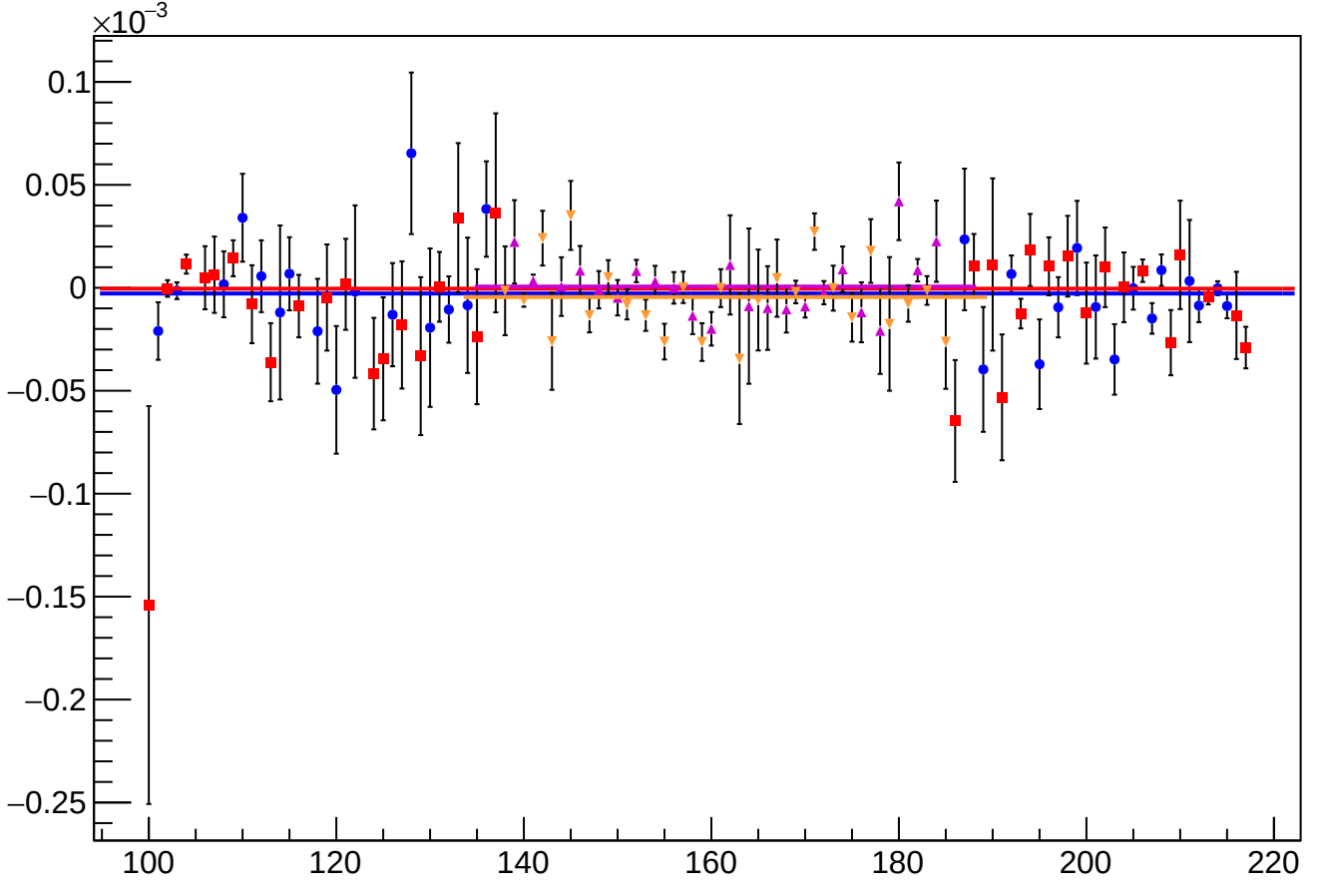
Right Out: 180.233+/-0.032 χ^2/NDF: 5686547.3/35

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 230.064+/-0.028 χ^2/NDF: 7331739.1/55

All: 219.095+/-0.019 χ^2/NDF: 17969224.6/11

- sign 209.558+/-0.027 χ^2/NDF: 10359221.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.2/35

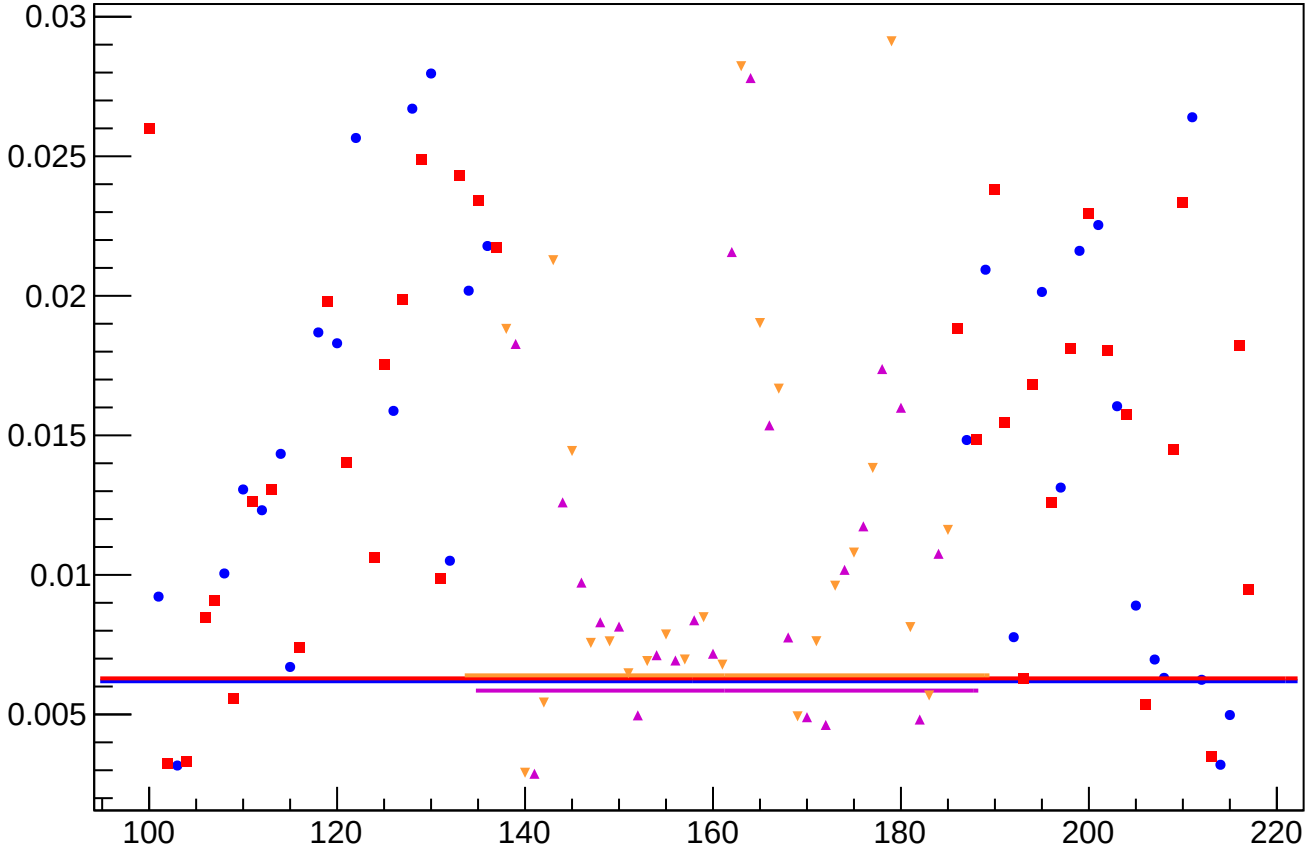
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.3/55

All: -0.000+/-0.000 χ^2/NDF: 165.6/114

- sign 0.000+/-0.000 χ^2/NDF: 81.5/58

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 13028633.2/30

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 14975512.8/35

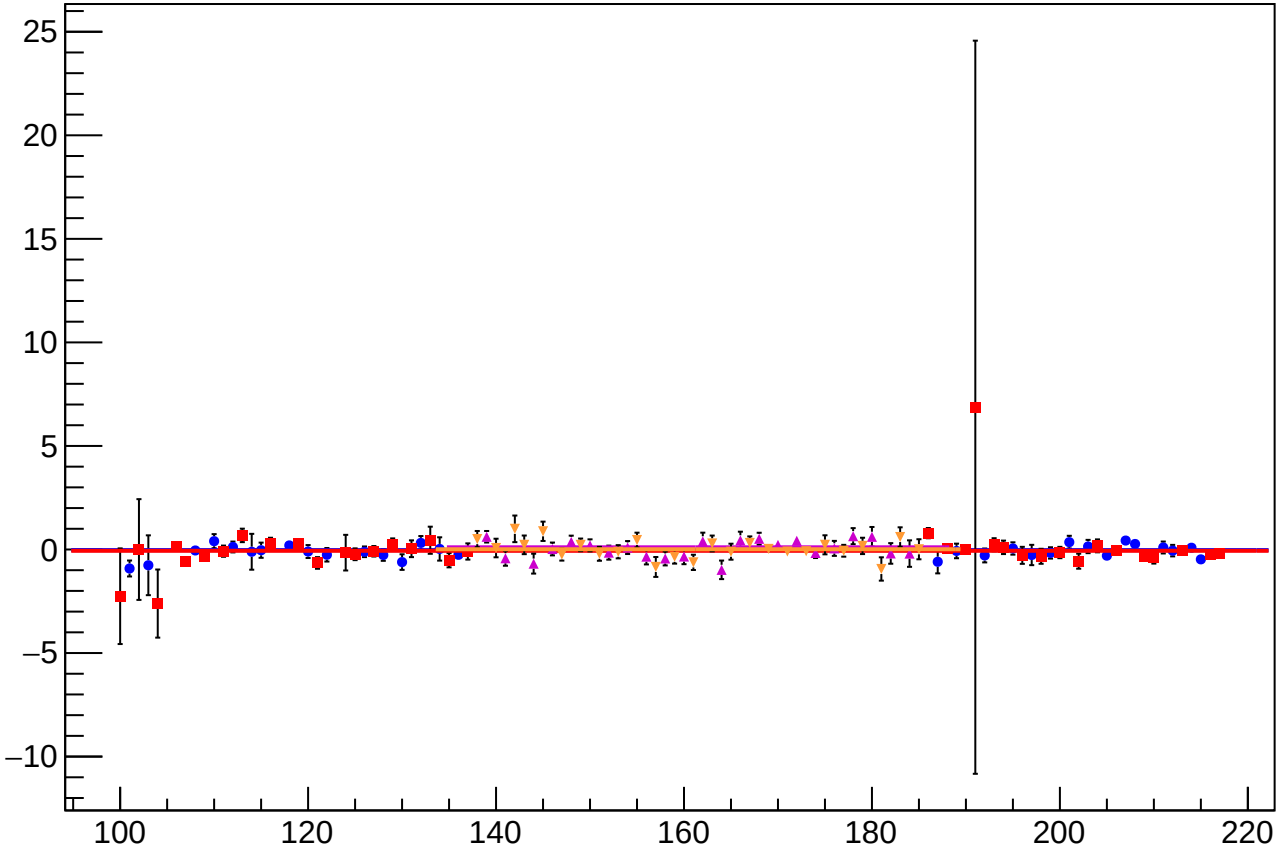
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 22006875.5/55

All: 0.006+/-0.000 χ^2/NDF: 45232921.4/114

- sign 0.006+/-0.000 χ^2/NDF: 23185760.4/58

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

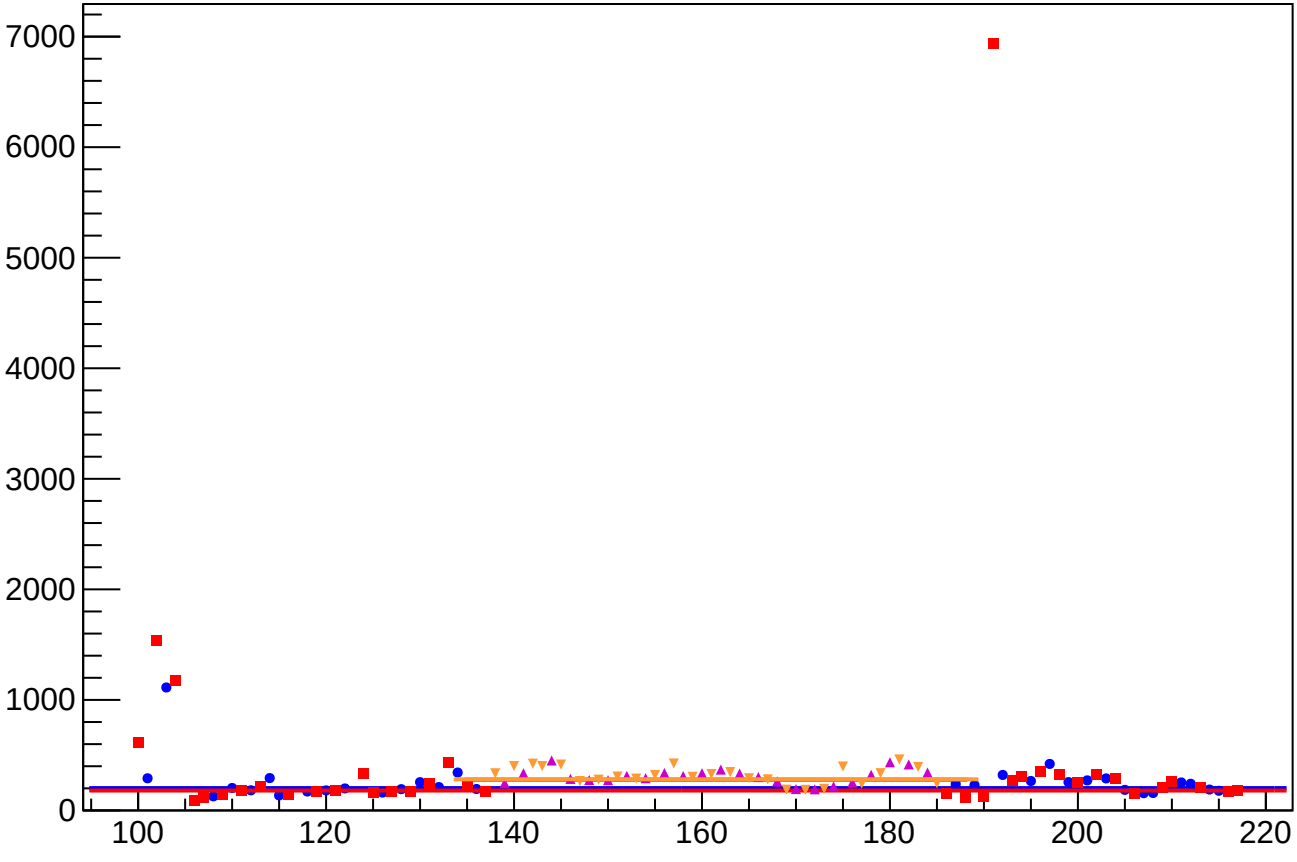
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.040 χ^2/NDF: 61.5/55

All: -0.014+/-0.027 χ^2/NDF: 147.0/114

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 202.303+/-0.035 χ^2/NDF: 3033458.3/30

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 180.231+/-0.032 χ^2/NDF: 5686696.5/35

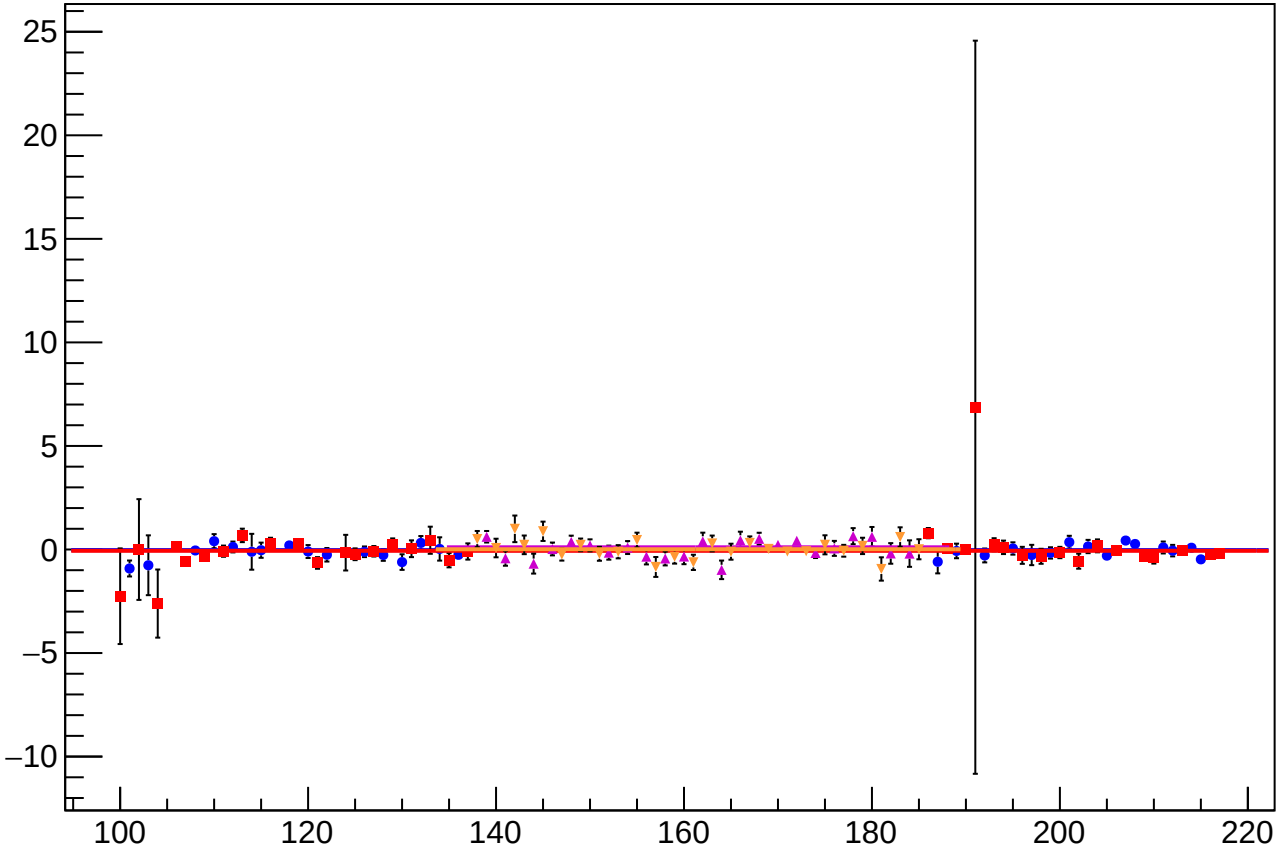
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 230.064+/-0.028 χ^2/NDF: 7331940.0/55

All: 219.094+/-0.019 χ^2/NDF: 17969953.2/11

- sign 209.557+/-0.027 χ^2/NDF: 10359689.6/58

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.030+/-0.050 χ^2/NDF: 36.1/30

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

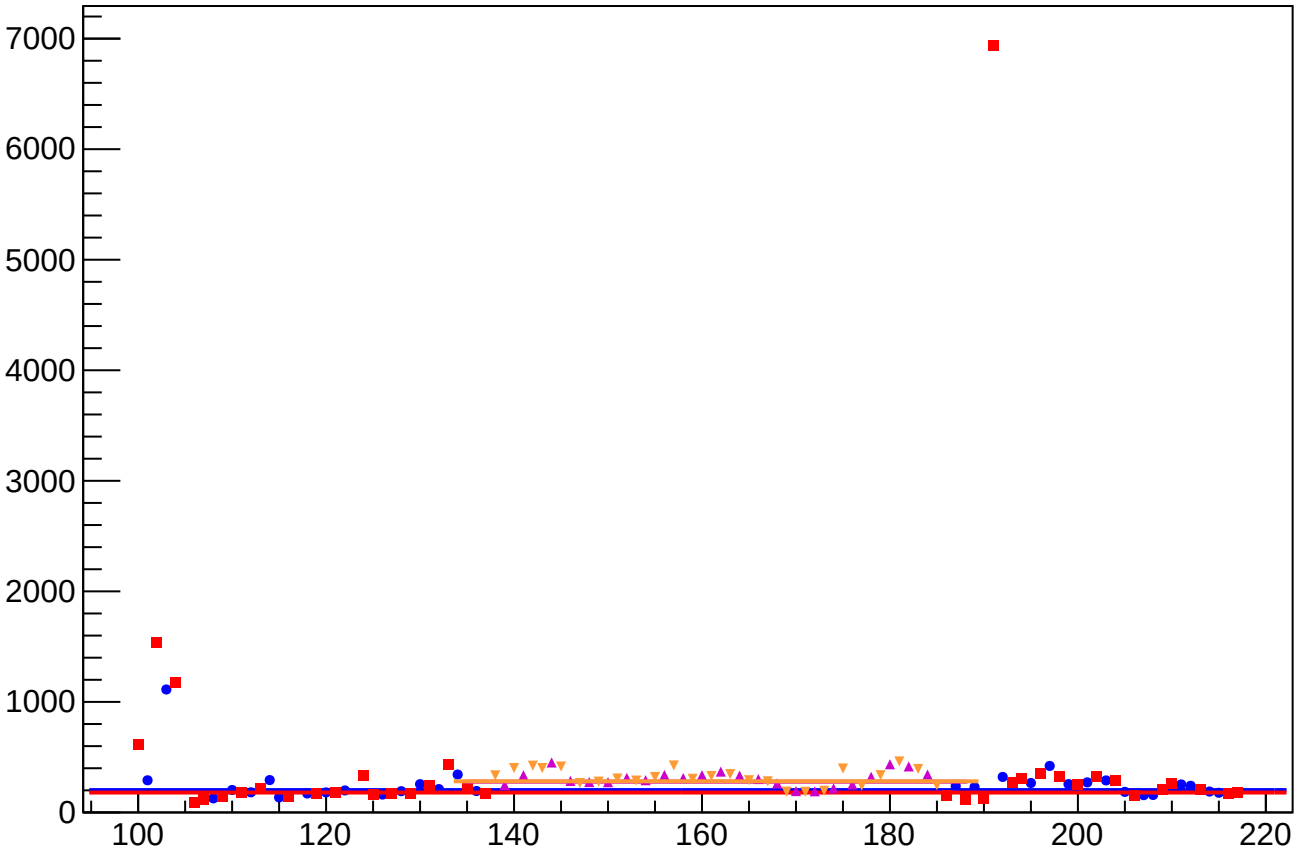
Right Out: -0.062+/-0.045 χ^2/NDF: 49.8/35

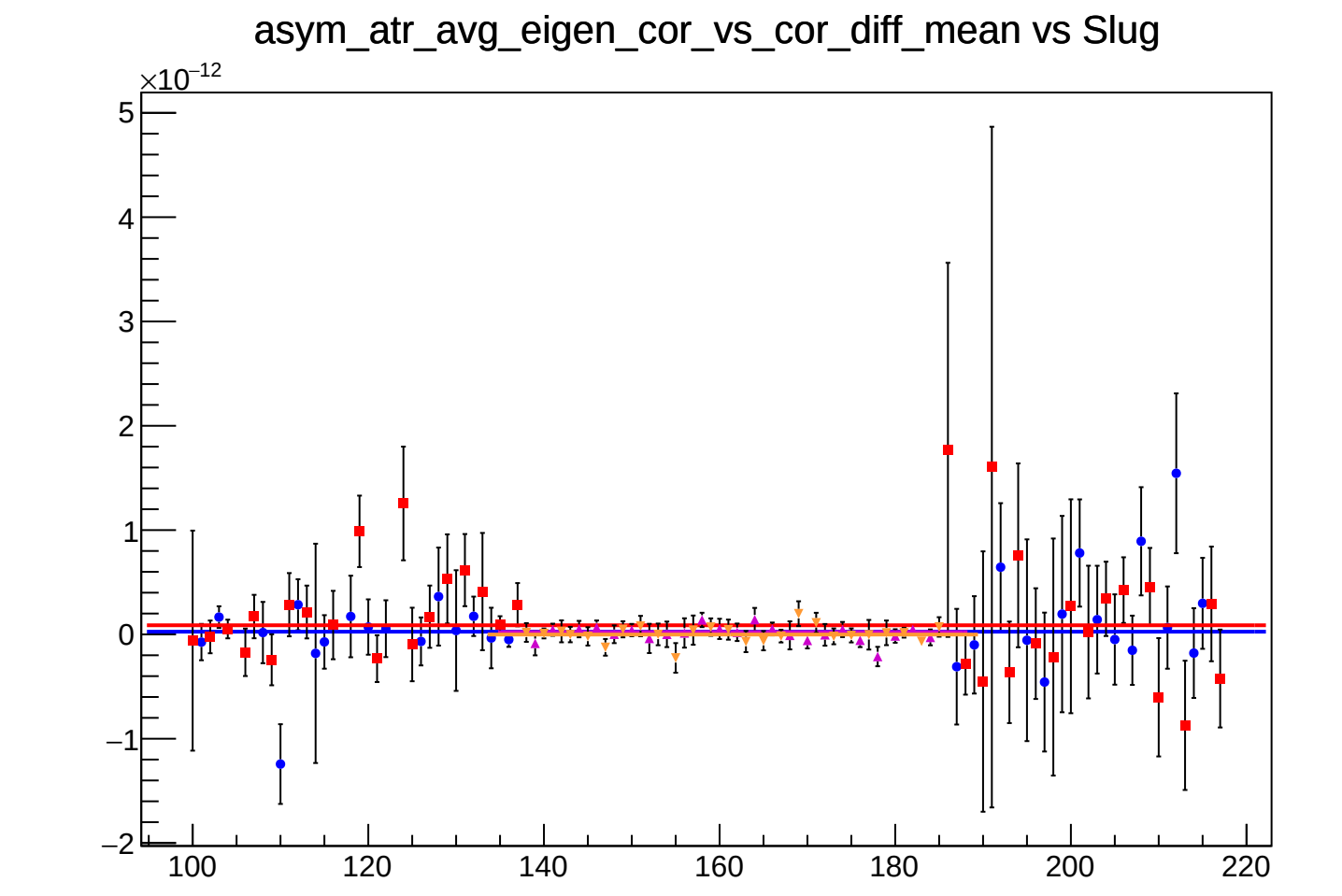
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.016+/-0.040 χ^2/NDF: 61.5/55

All: -0.014+/-0.027 χ^2/NDF: 147.0/114

- sign -0.012+/-0.037 χ^2/NDF: 85.4/58


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 202.303+/-0.035 χ²/NDF: 3033458.3/30
Left Out: 281.820+/-0.048 χ²/NDF:2520889.0/24
Right Out: 180.231+/-0.032 χ²/NDF: 5686696.5/35
Left In: 278.412+/-0.049 χ²/NDF:1799730.1/22
+ sign 230.064+/-0.028 χ²/NDF: 7331940.0/55
All: 219.094+/-0.019 χ²/NDF: 17969953.2/11
- sign 209.557+/-0.027 χ²/NDF: 10359689.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

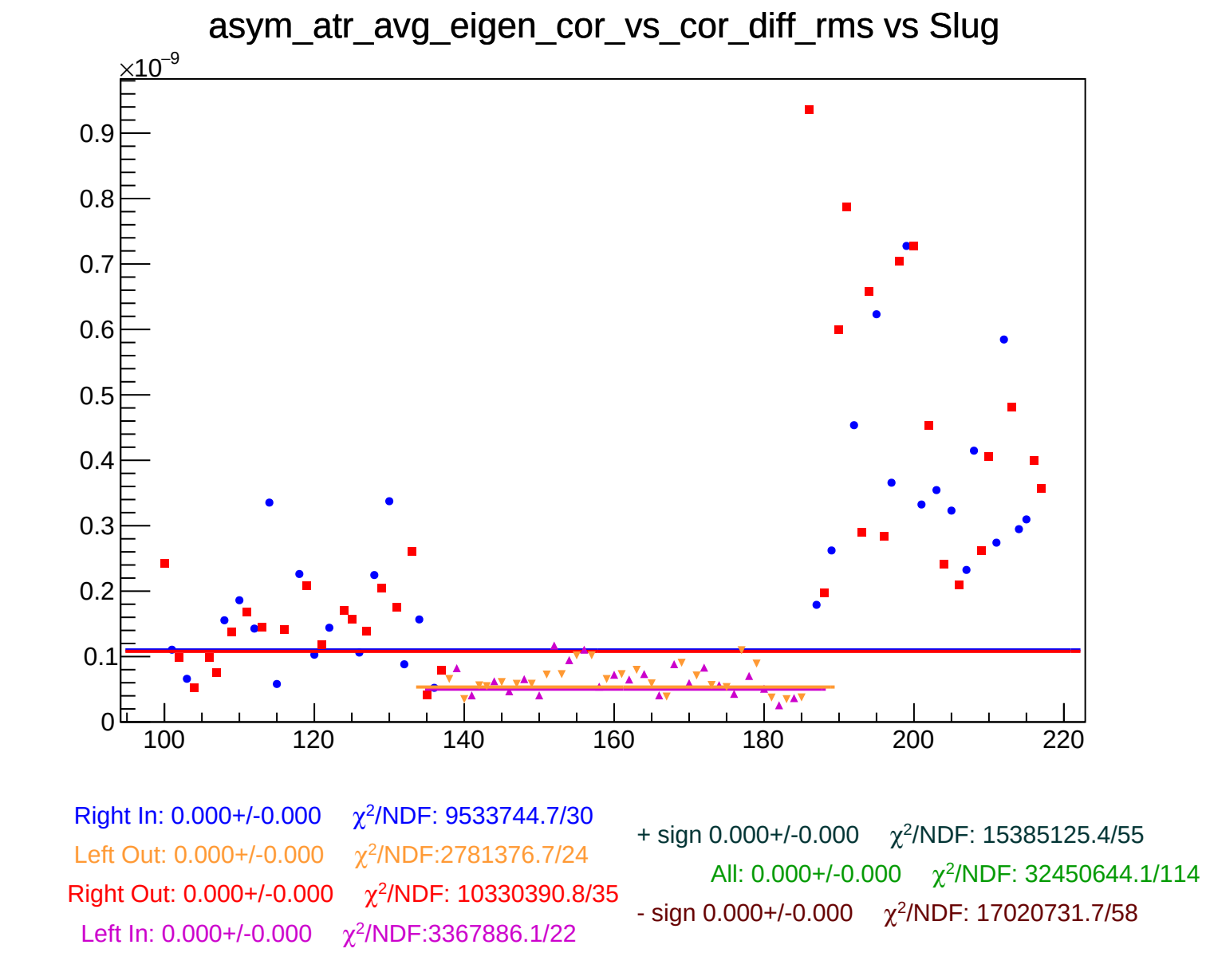
Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/35

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

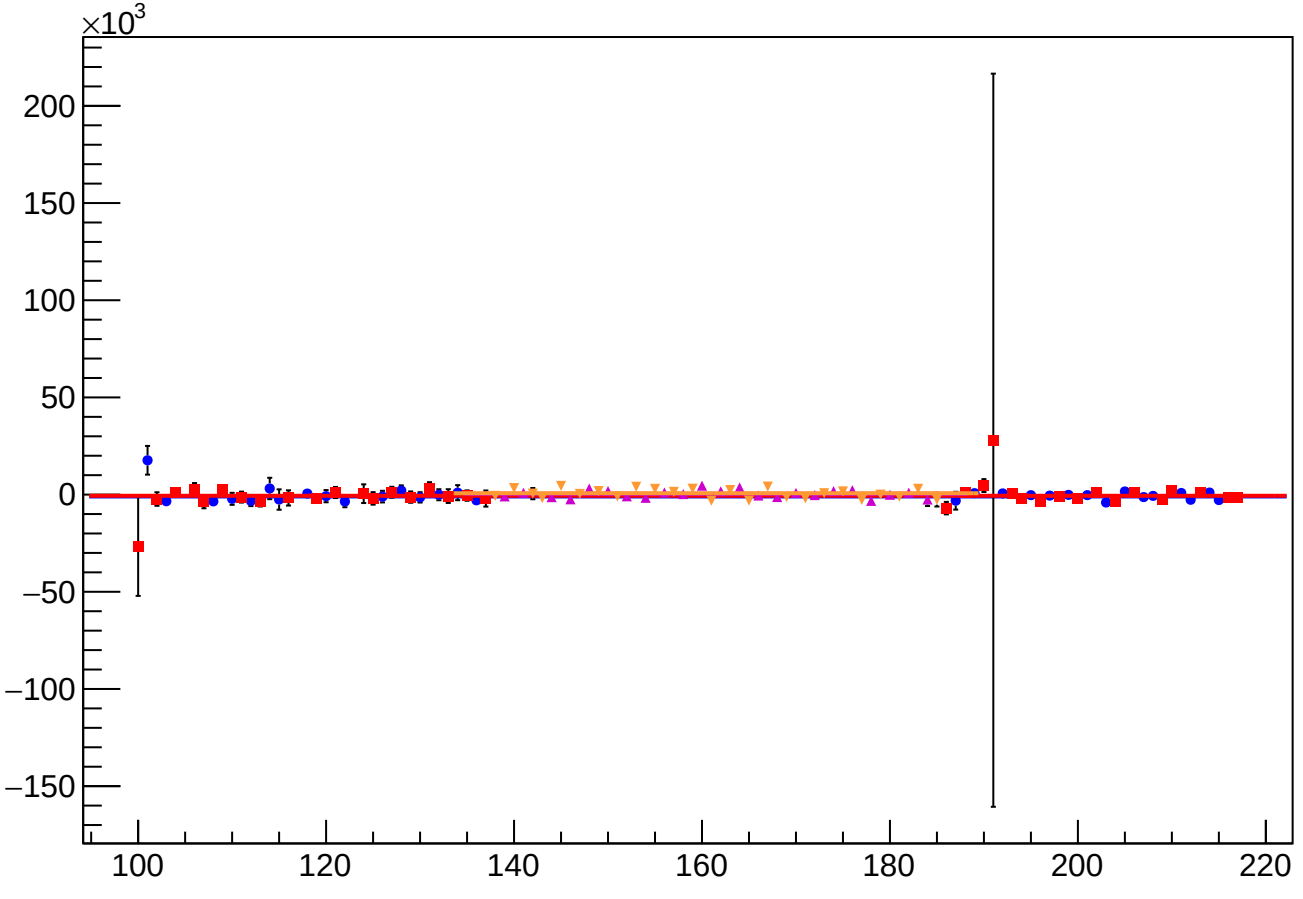
+ sign 0.000+/-0.000 χ^2/NDF: 44.8/55

All: 0.000+/-0.000 χ^2/NDF: 101.2/114

- sign 0.000+/-0.000 χ^2/NDF: 54.5/58


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9533744.7/30
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 10330390.8/35
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 15385125.4/55
All: 0.000+/-0.000 χ²/NDF: 32450644.1/114
- sign 0.000+/-0.000 χ²/NDF: 17020731.7/58

reg_asym_atr_dd_mean vs Slug



Right In: -951.993+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -604.122+/-430.660 χ^2/NDF: 27.0/35

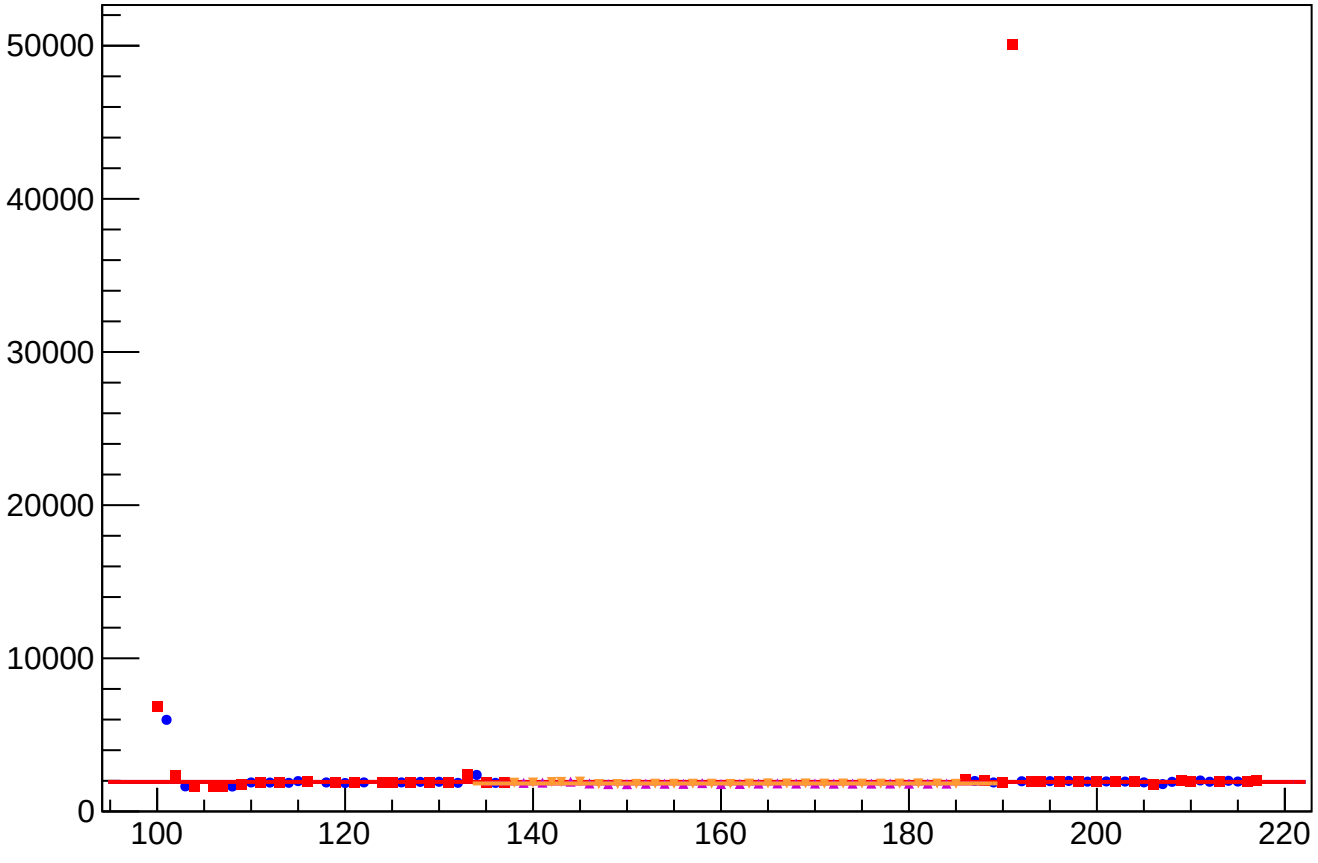
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign -70.395+/-302.919 χ^2/NDF: 61.9/55

All: -82.829+/-214.203 χ^2/NDF: 112.3/114

\- sign -95.264+/-302.939 χ^2/NDF: 50.5/58

reg_asym_atr_dd_rms vs Slug



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.0/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

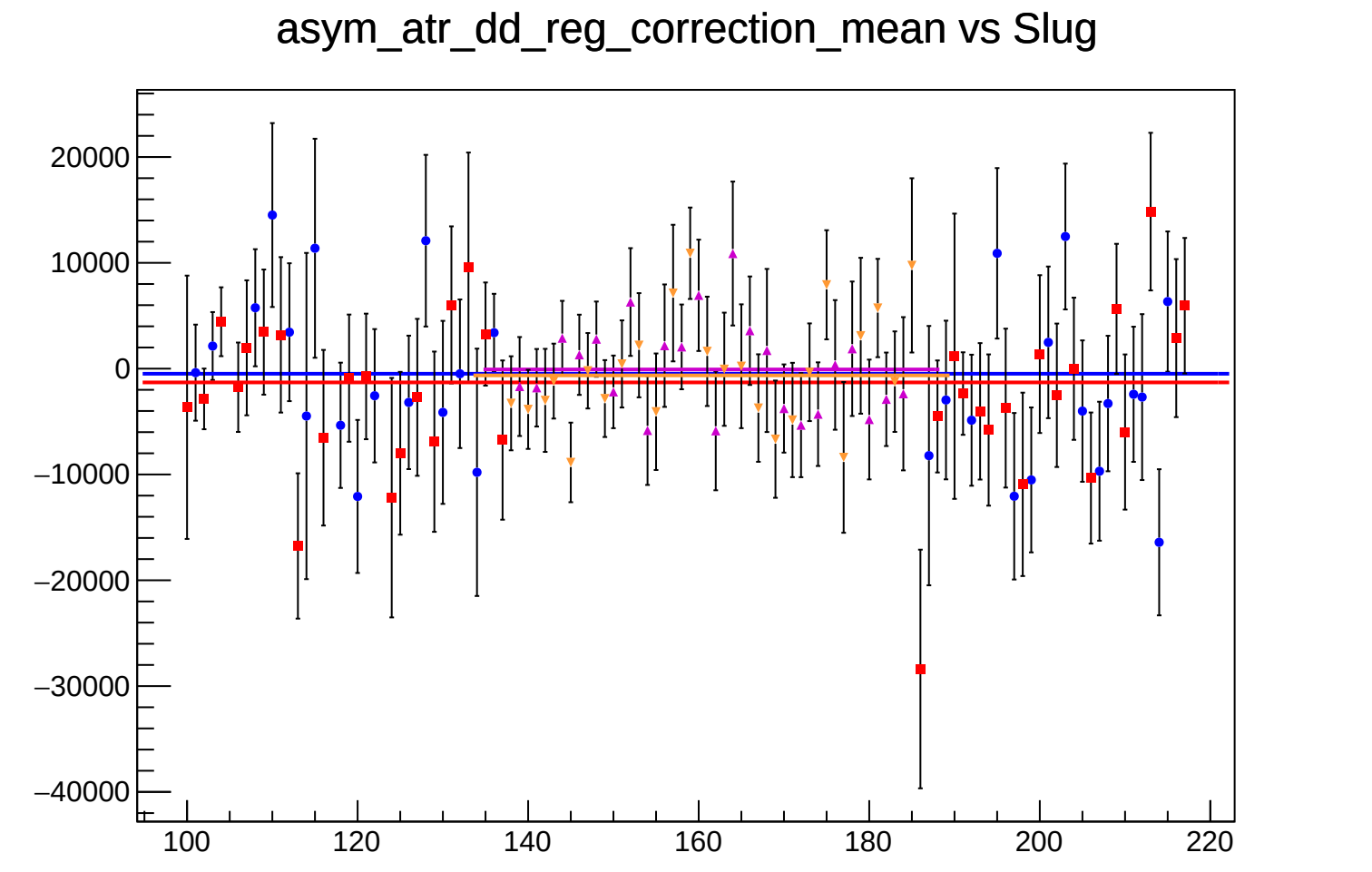
Right Out: 1928.084+/-0.304 χ^2/NDF: 395413.8/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

\+ sign 1874.286+/-0.214 χ^2/NDF: 795794.8/55

All: 1875.221+/-0.151 χ^2/NDF: 1262385.3/11

\- sign 1876.156+/-0.214 χ^2/NDF: 466552.4/58



Right In: -481.637+/-1150.487 χ^2/NDF: 34.6/30

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1301.327+/-1016.347 χ^2/NDF: 34.2/35

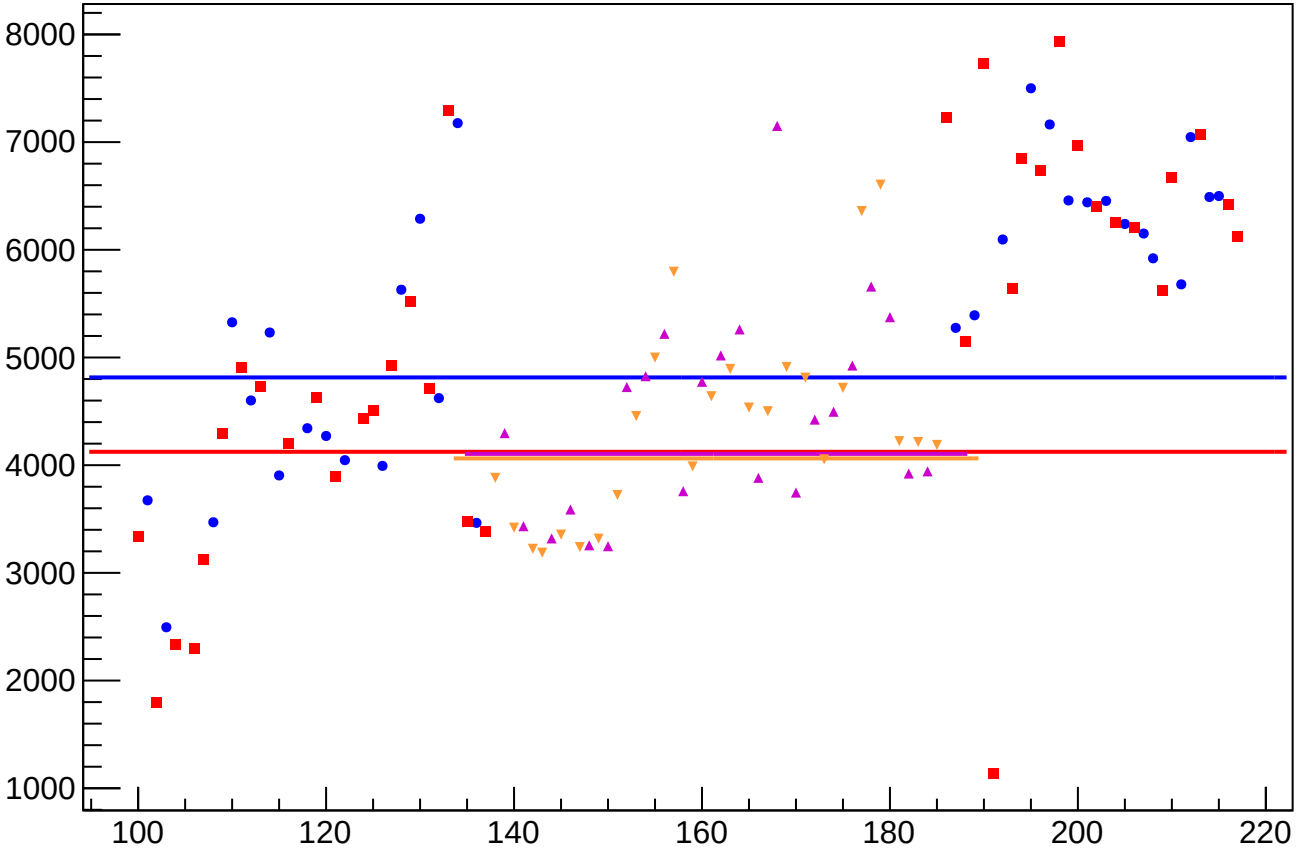
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -574.680+/-731.100 χ^2/NDF: 60.5/55

All: -622.166+/-507.693 χ^2/NDF: 110.9/114

- sign -666.391+/-705.555 χ^2/NDF: 50.4/58

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4814.993+/-0.814 χ^2/NDF: 3347377.1/30

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4124.348+/-0.719 χ^2/NDF: 7305007.4/35

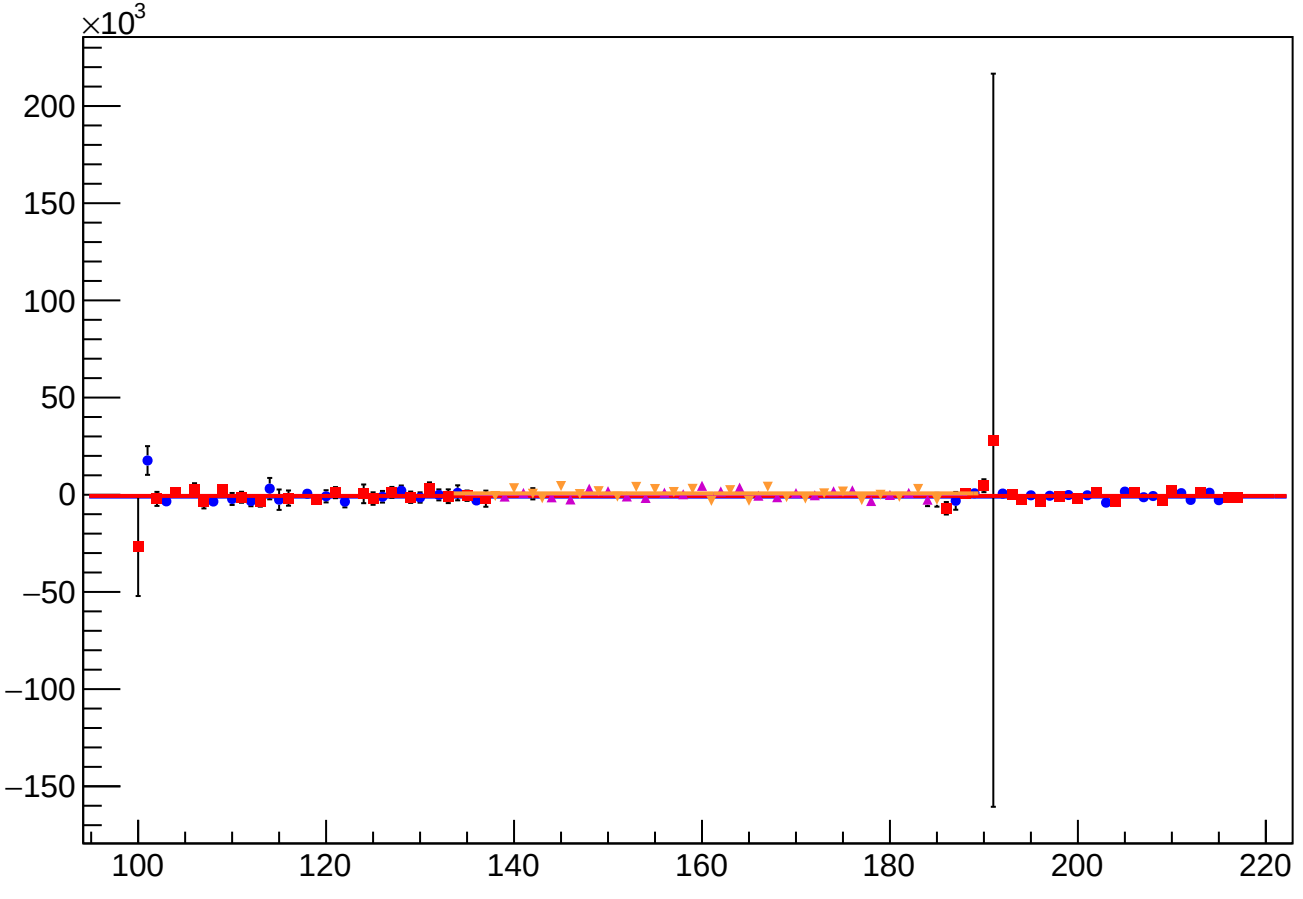
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4366.736+/-0.517 χ^2/NDF: 5261680.3/55

All: 4236.059+/-0.359 χ^2/NDF: 14049959.8/1

- sign 4114.354+/-0.499 χ^2/NDF: 8664873.8/58

cor_asym_atr_dd_mean vs Slug



Right In: -952.182+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -600.452+/-430.878 χ^2/NDF: 26.9/35

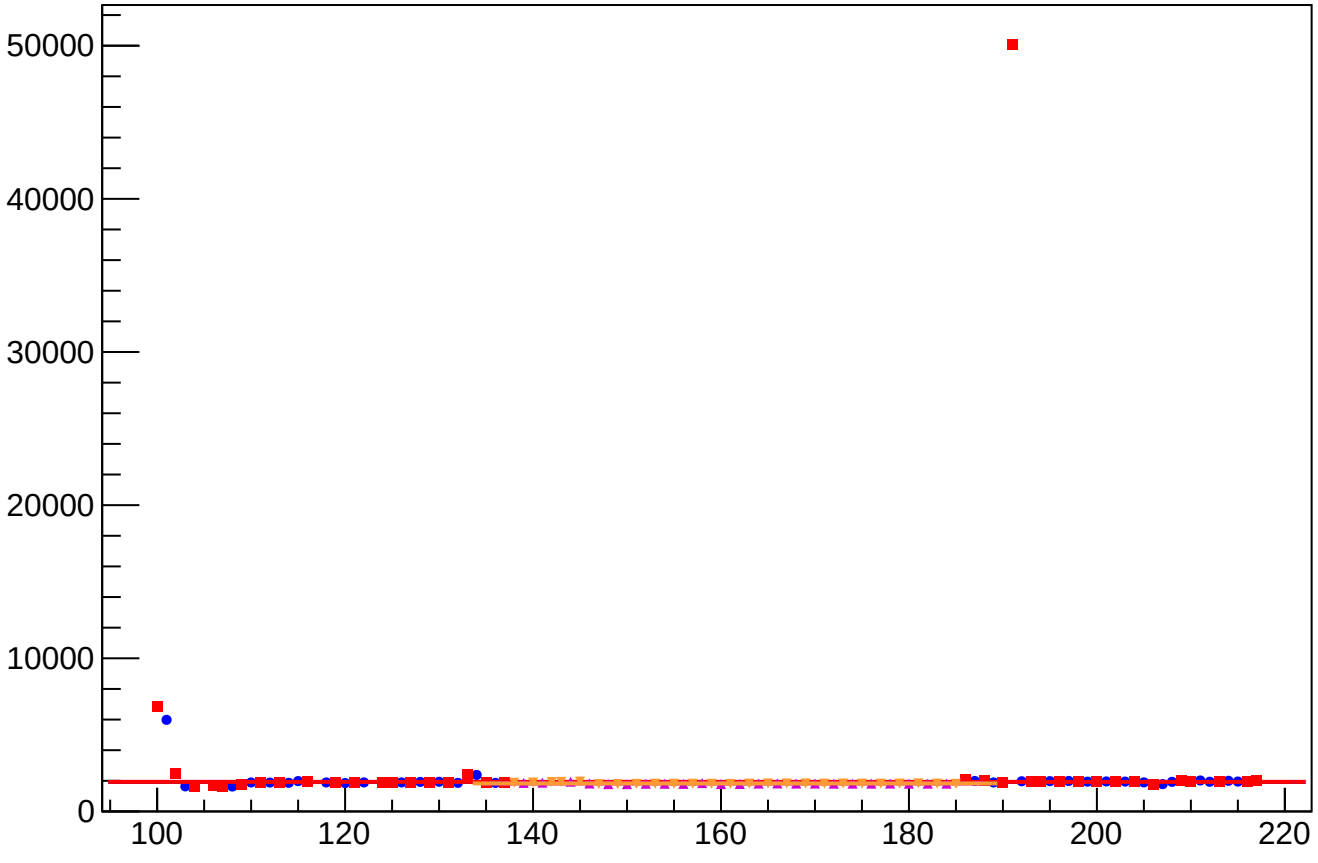
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign -70.453+/-302.919 χ^2/NDF: 61.9/55

All: -81.861+/-214.230 χ^2/NDF: 112.2/114

\- sign -93.277+/-303.014 χ^2/NDF: 50.4/58

cor_asym_atr_dd_rms vs Slug



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.2/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

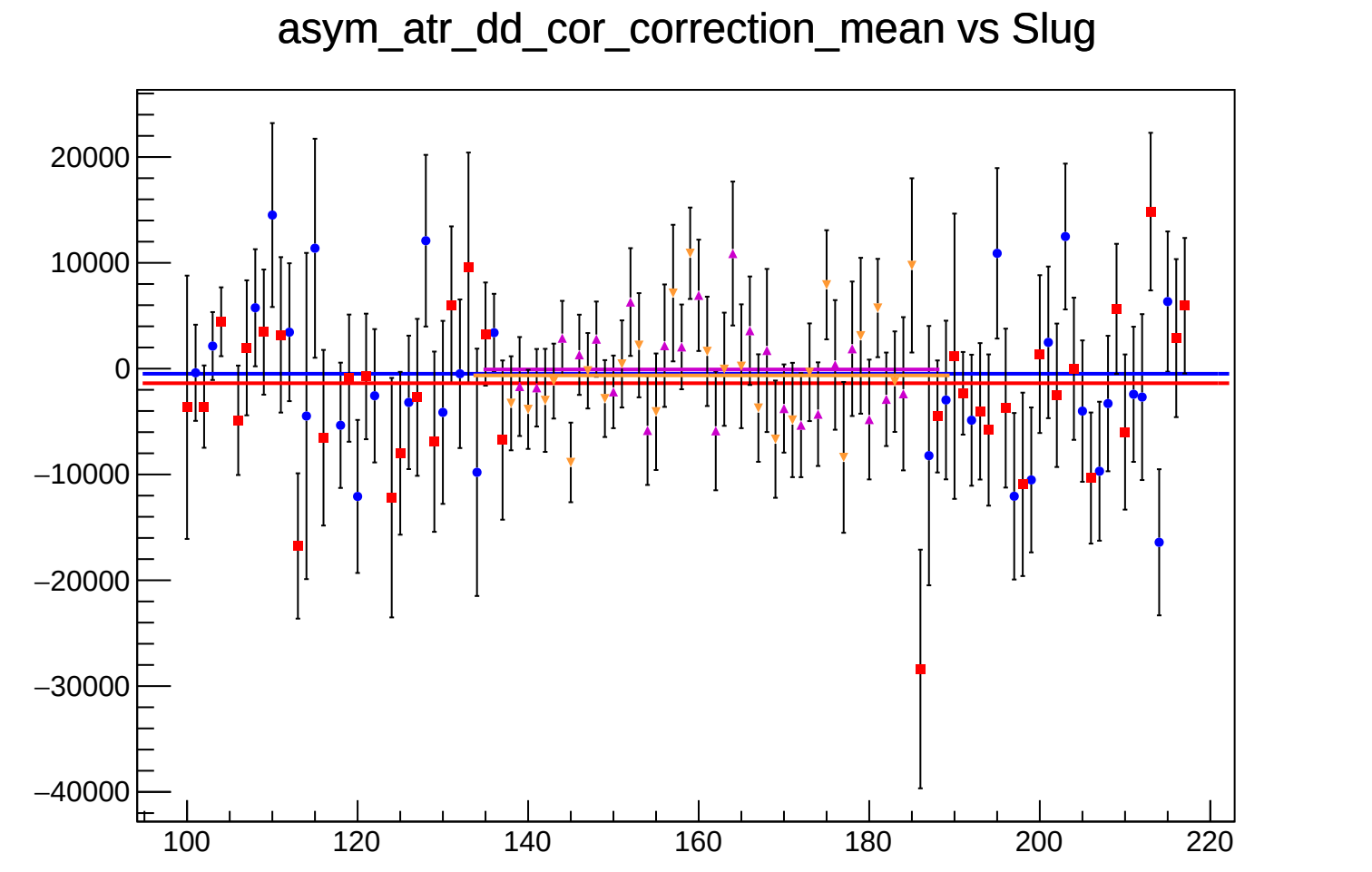
Right Out: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1874.286+/-0.214 χ^2/NDF: 795794.8/55

All: 1875.850+/-0.151 χ^2/NDF: 1271406.6/11

- sign 1877.414+/-0.214 χ^2/NDF: 475505.1/58



Right In: -482.634+/-1150.568 χ^2/NDF: 34.6/30

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1377.534+/-1057.846 χ^2/NDF: 34.7/35

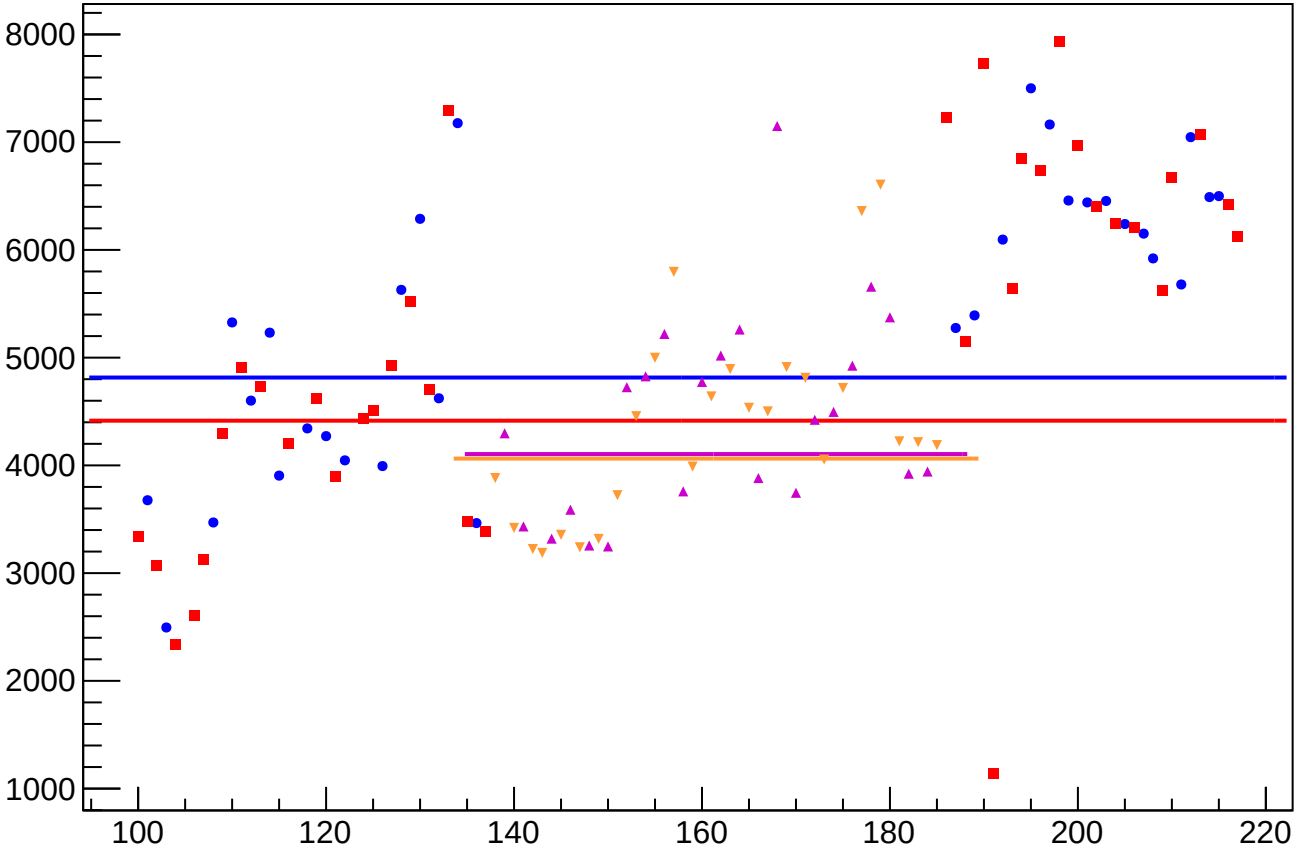
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -575.098+/-731.120 χ^2/NDF: 60.5/55

All: -626.985+/-512.644 χ^2/NDF: 111.5/114

- sign -677.166+/-719.007 χ^2/NDF: 51.0/58

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4815.449+/-0.814 χ^2/NDF: 3345756.8/30

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

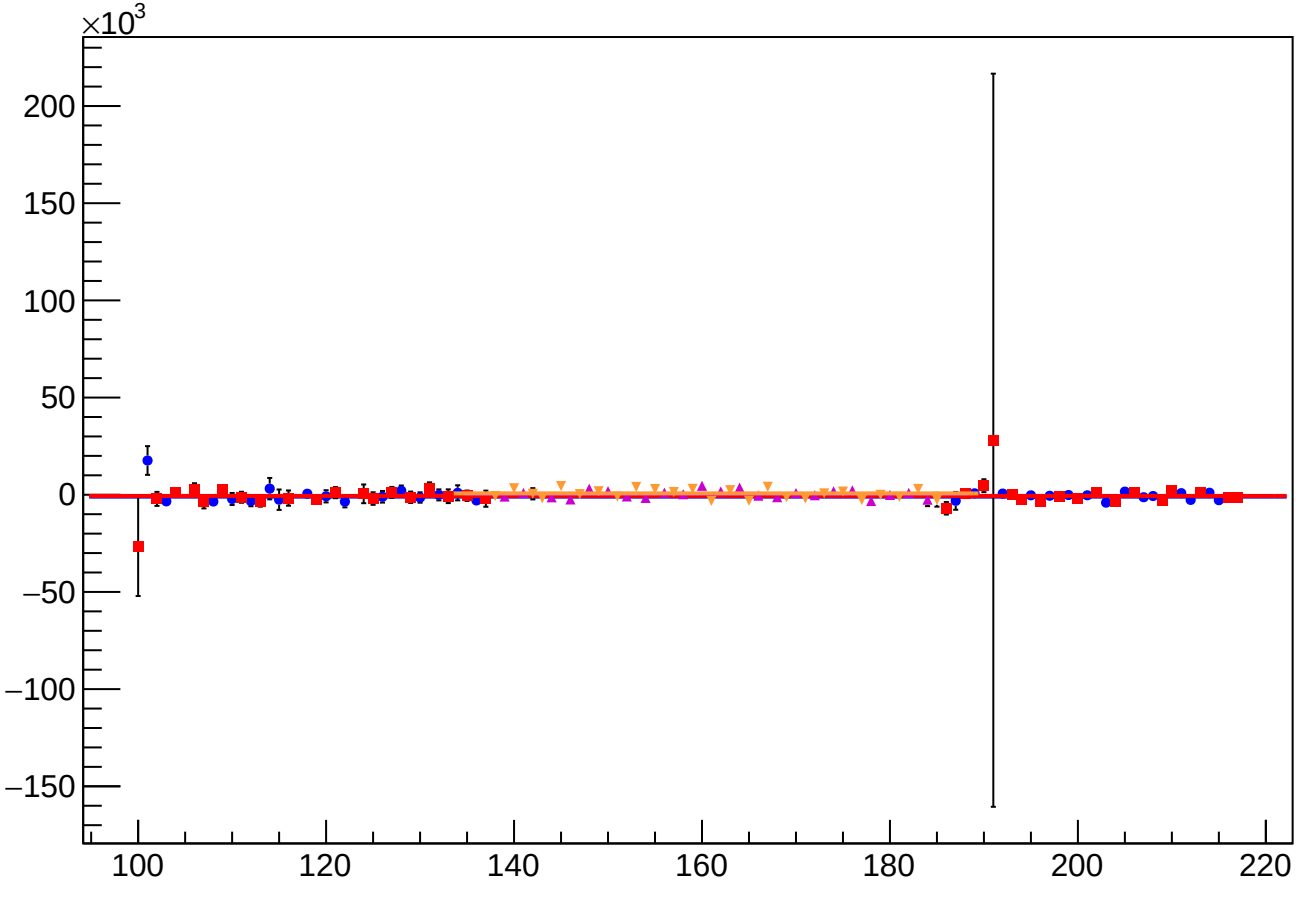
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4366.893+/-0.517 χ^2/NDF: 5260633.3/55

All: 4306.559+/-0.362 χ^2/NDF: 12515963.2/1

- sign 4248.207+/-0.508 χ^2/NDF: 7228537.2/58

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -952.182+/-442.705 χ^2/NDF: 22.5/30

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -600.452+/-430.878 χ^2/NDF: 26.9/35

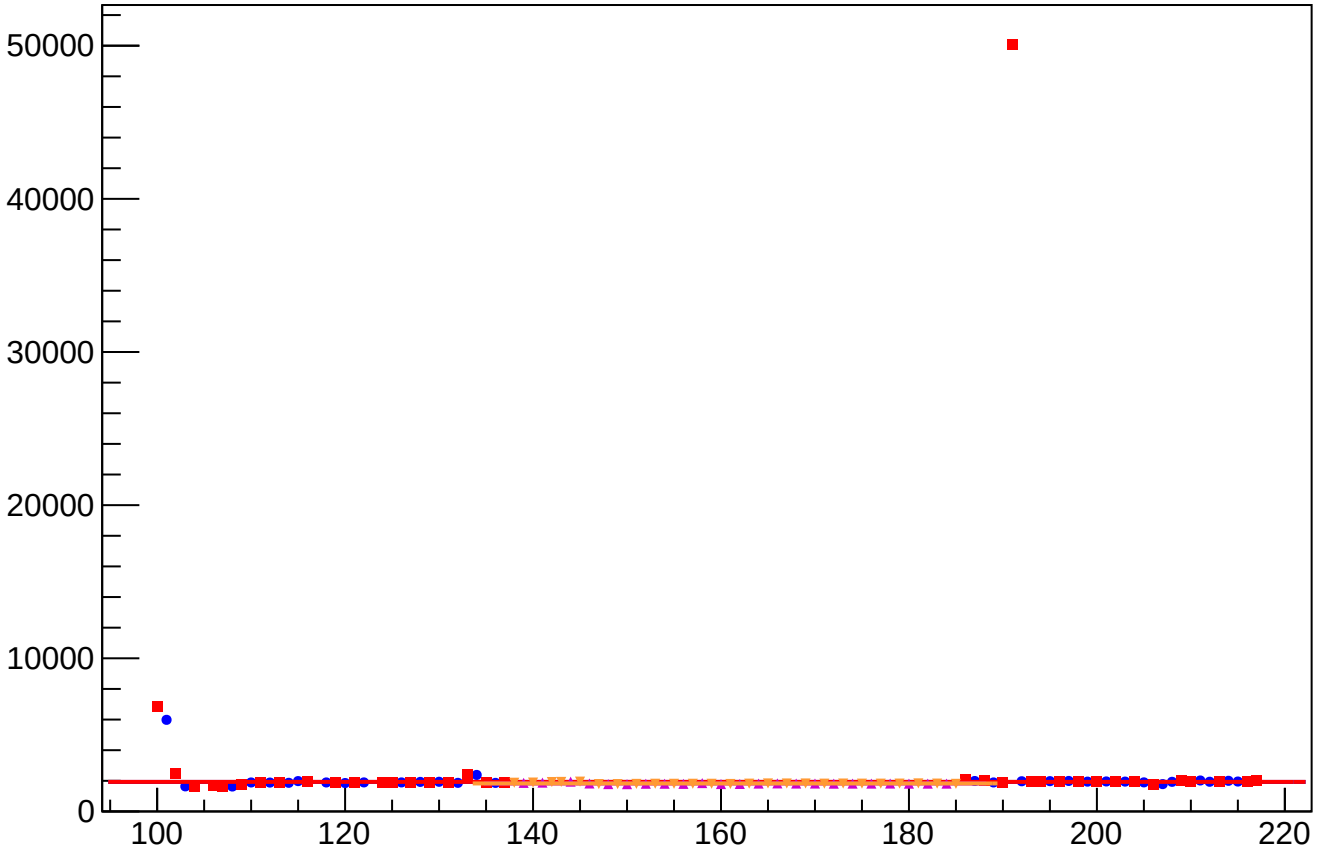
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -70.453+/-302.919 χ^2/NDF: 61.9/55

All: -81.861+/-214.230 χ^2/NDF: 112.2/114

- sign -93.277+/-303.014 χ^2/NDF: 50.4/58

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1926.585+/-0.313 χ^2/NDF: 723981.2/30

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

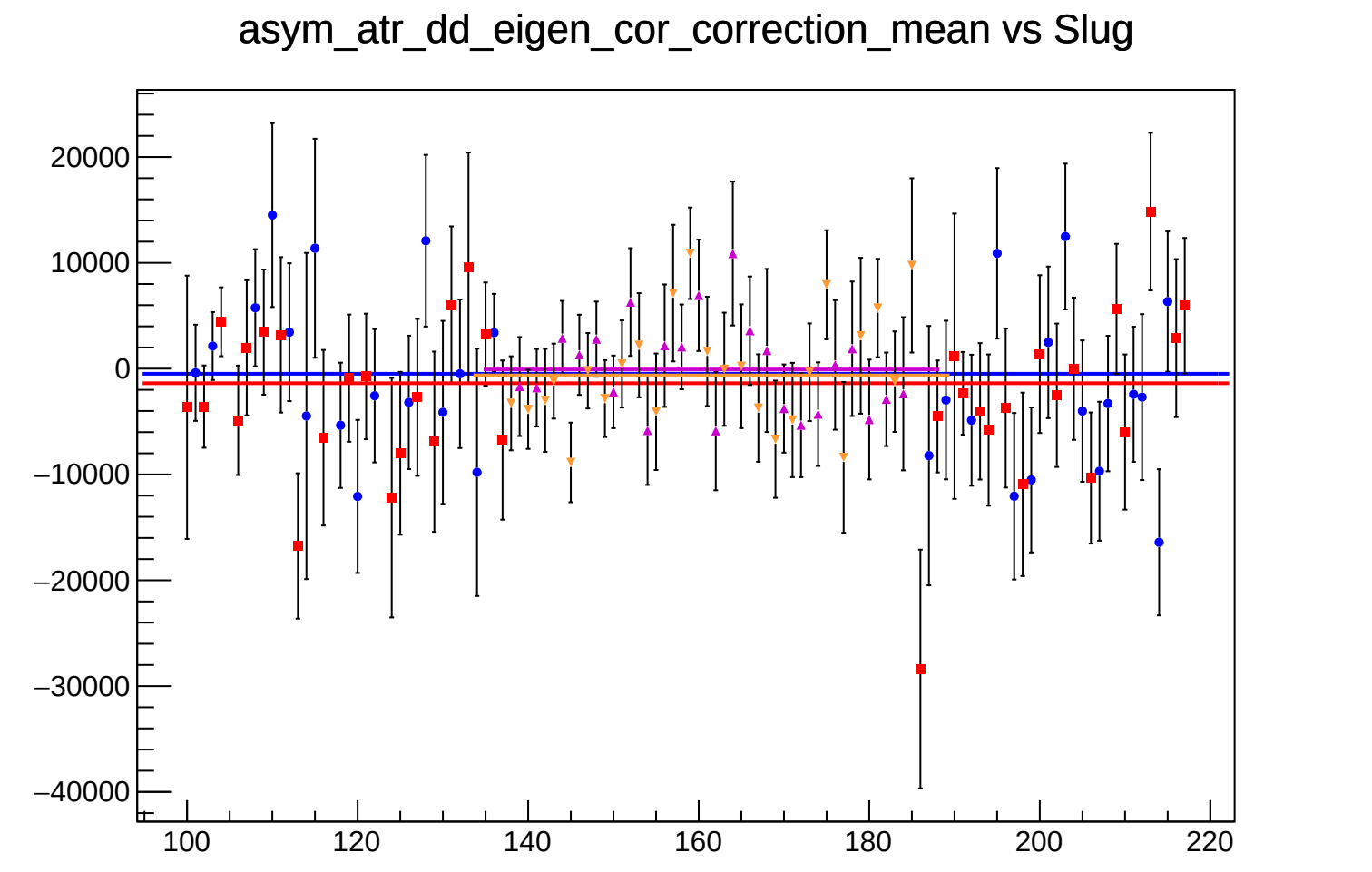
Right Out: 1930.751+/-0.304 χ^2/NDF: 401406.0/35

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1874.286+/-0.214 χ^2/NDF: 795794.8/55

All: 1875.850+/-0.151 χ^2/NDF: 1271406.6/11

- sign 1877.414+/-0.214 χ^2/NDF: 475505.1/58



Right In: -482.634+/-1150.568 χ^2/NDF: 34.6/30

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1377.534+/-1057.846 χ^2/NDF: 34.7/35

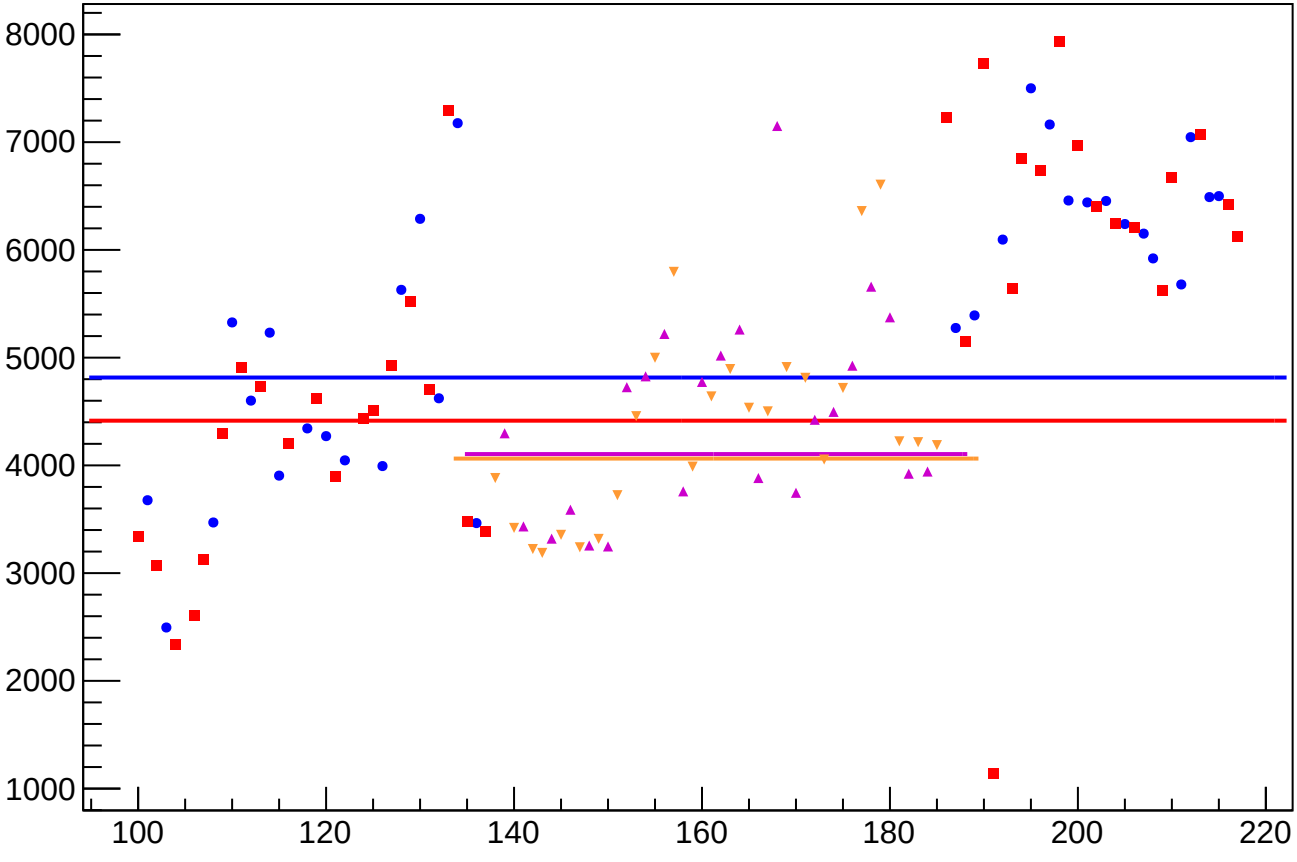
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -575.098+/-731.120 χ^2/NDF: 60.5/55

All: -626.985+/-512.644 χ^2/NDF: 111.5/114

- sign -677.166+/-719.007 χ^2/NDF: 51.0/58

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4815.449+/-0.814 χ^2/NDF: 3345756.8/30

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4414.929+/-0.748 χ^2/NDF: 5776699.5/35

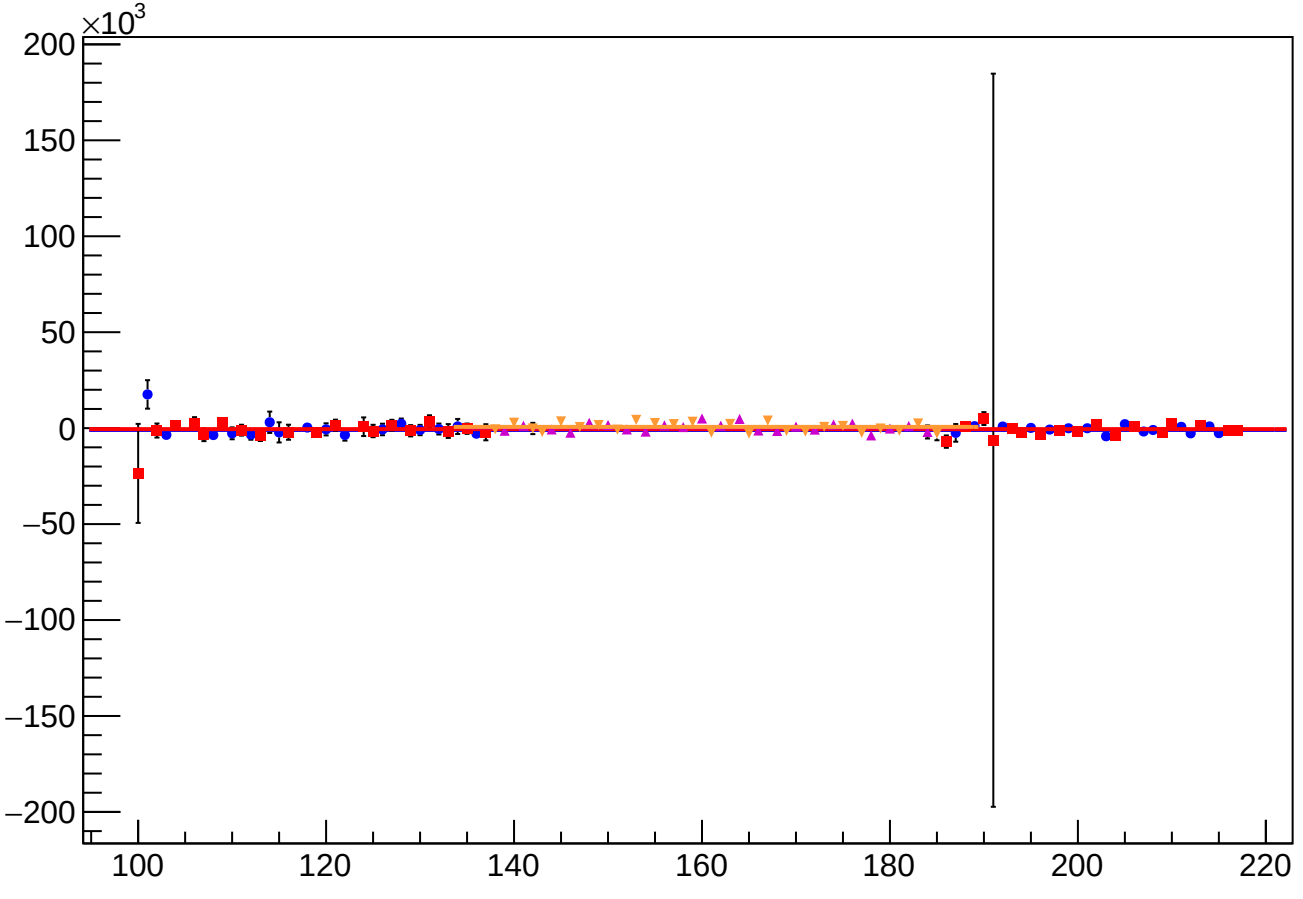
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4366.893+/-0.517 χ^2/NDF: 5260633.3/55

All: 4306.559+/-0.362 χ^2/NDF: 12515963.2/1

- sign 4248.207+/-0.508 χ^2/NDF: 7228537.2/58

dit_asym_atr_dd_mean vs Slug



Right In: -940.165+/-446.105 χ^2/NDF: 23.6/30

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -517.892+/-434.519 χ^2/NDF: 29.0/35

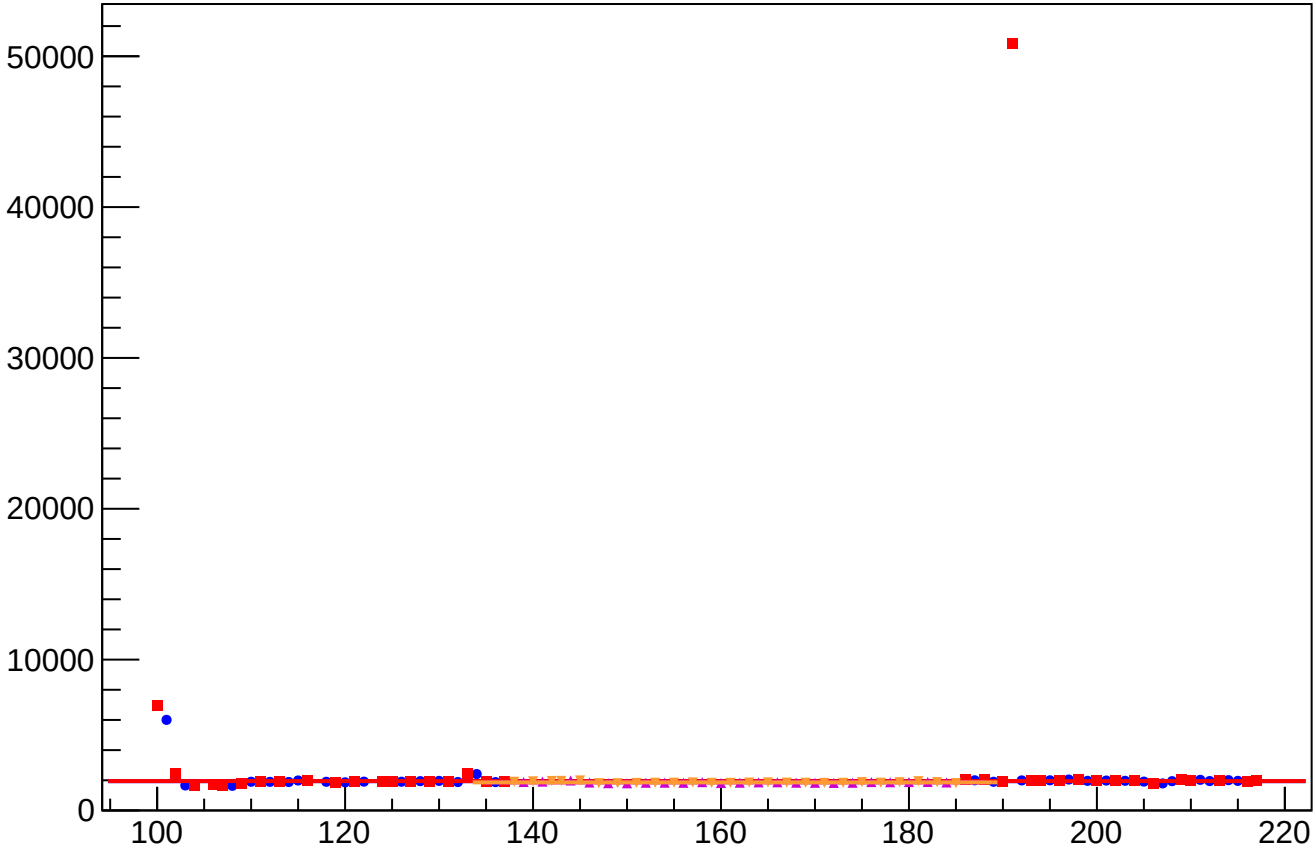
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -98.946+/-306.973 χ^2/NDF: 57.4/55

All: -75.878+/-217.078 χ^2/NDF: 112.4/114

- sign -52.803+/-307.017 χ^2/NDF: 55.0/58

dit_asym_atr_dd_rms vs Slug



Right In: 1941.248+/-0.315 χ^2/NDF: 726439.7/30

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

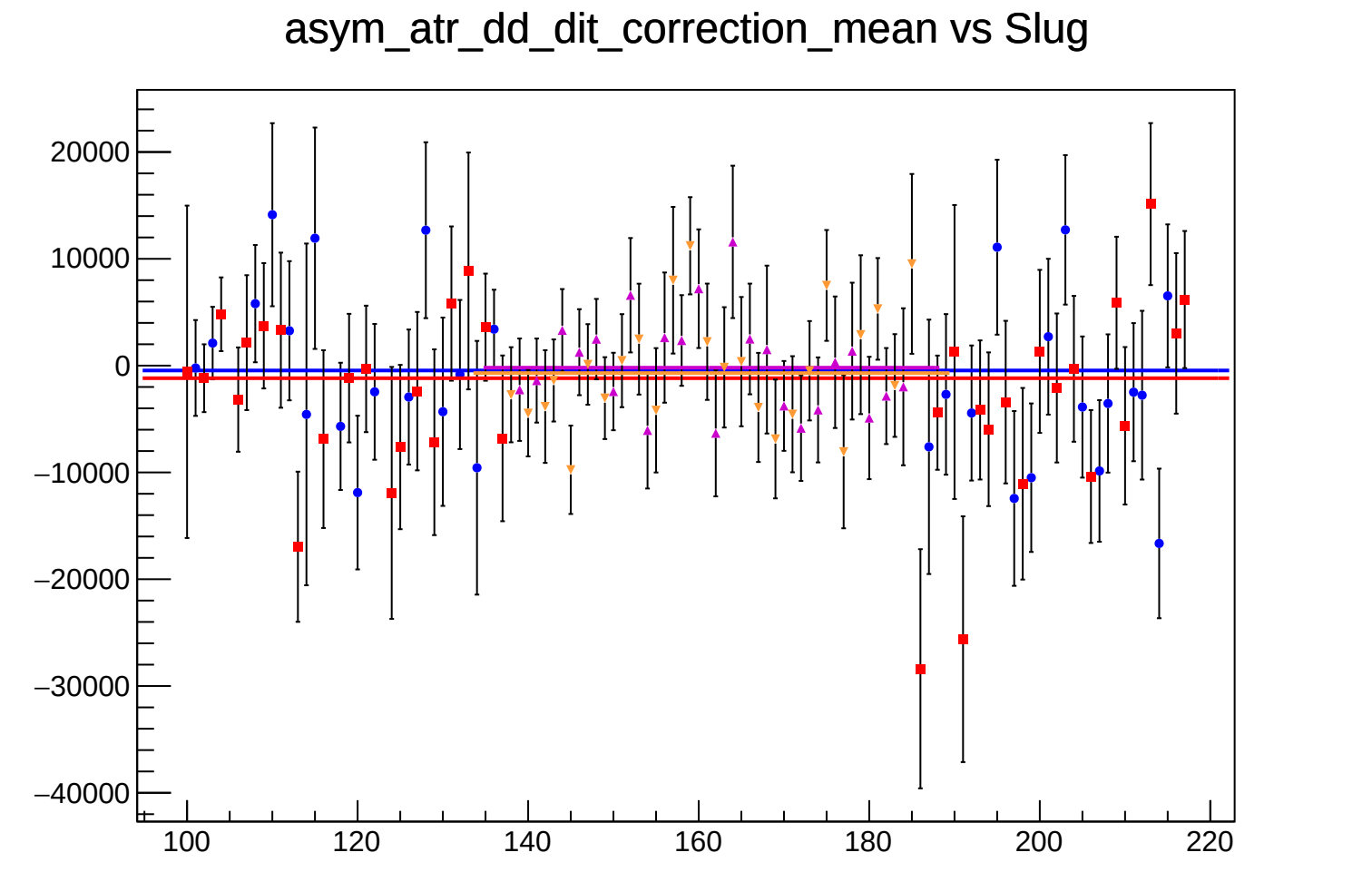
Right Out: 1946.624+/-0.307 χ^2/NDF: 409172.7/35

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1899.383+/-0.217 χ^2/NDF: 785910.6/55

All: 1900.738+/-0.153 χ^2/NDF: 1253541.5/11

- sign 1902.092+/-0.217 χ^2/NDF: 467553.0/58



Right In: -455.155+/-1164.443 χ^2/NDF: 34.5/30

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1179.334+/-1085.025 χ^2/NDF: 38.3/35

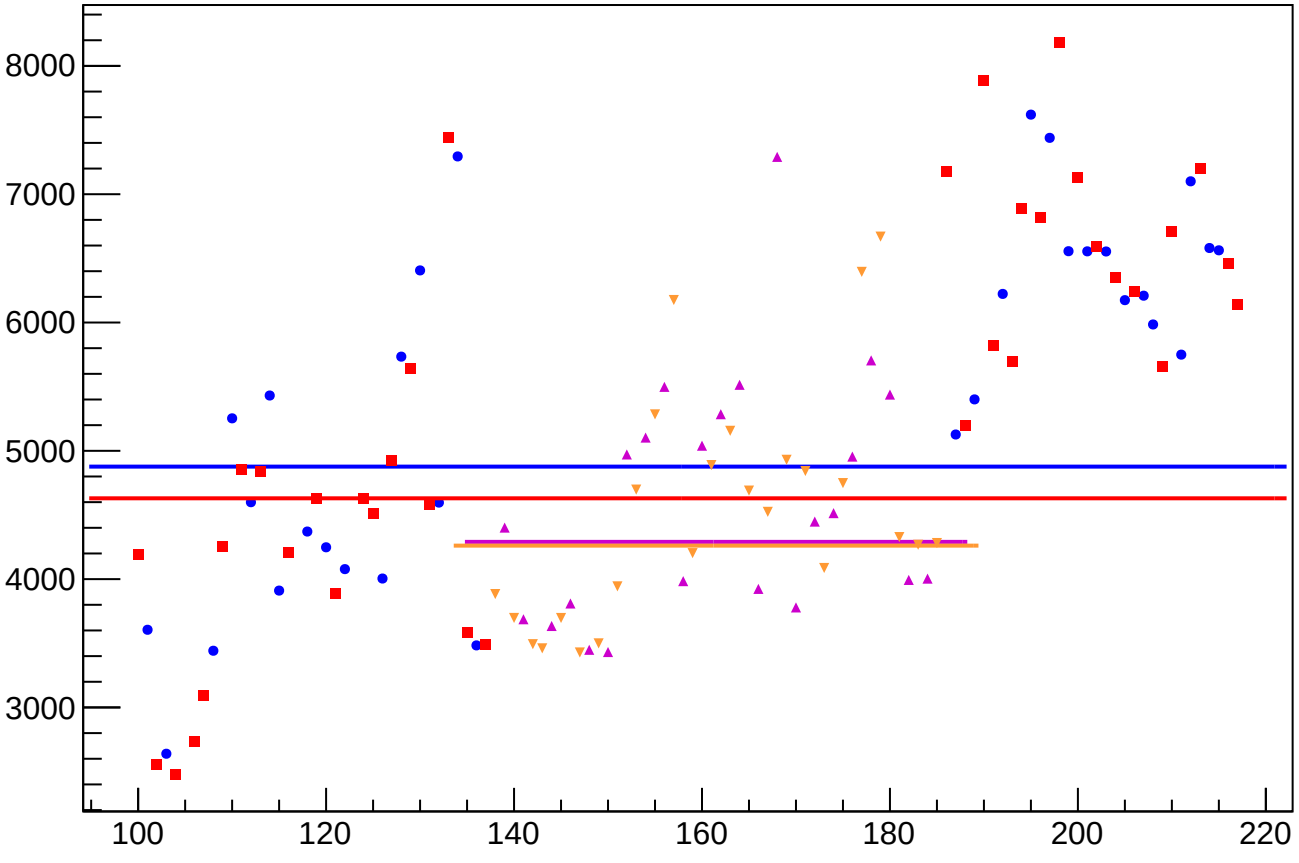
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -596.274+/-754.264 χ^2/NDF: 59.8/55

All: -626.868+/-529.725 χ^2/NDF: 113.7/114

- sign -656.644+/-744.127 χ^2/NDF: 53.9/58

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4876.973+/-0.823 χ^2/NDF: 3261287.3/30

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4629.922+/-0.767 χ^2/NDF: 4688134.9/35

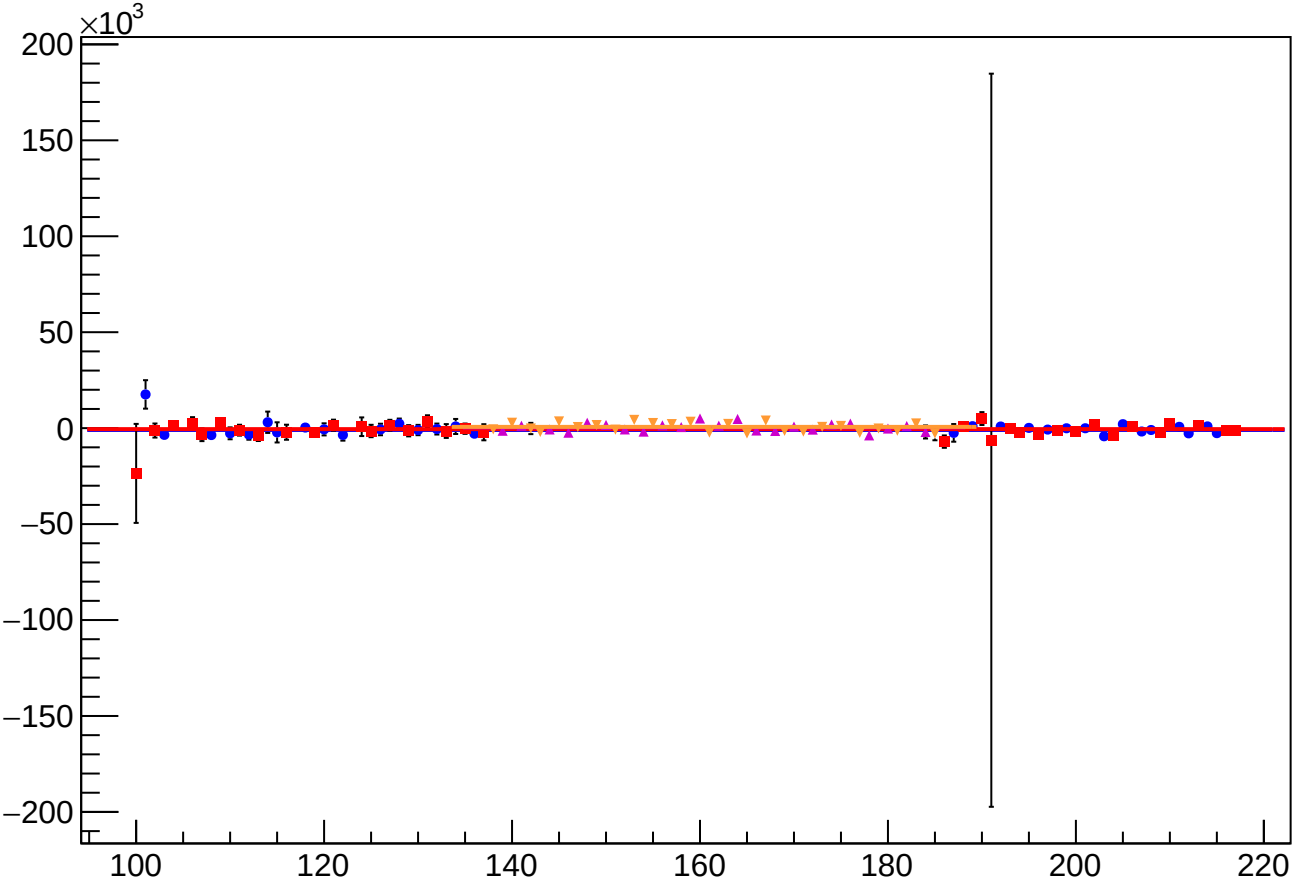
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

\+ sign 4519.519+/-0.533 χ^2/NDF: 4776552.7/55

All: 4484.335+/-0.375 χ^2/NDF: 10790965.0/1

\- sign 4450.091+/-0.526 χ^2/NDF: 6005824.9/58

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -940.162+/-446.105 χ^2/NDF: 23.6/30

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -517.888+/-434.519 χ^2/NDF: 29.0/35

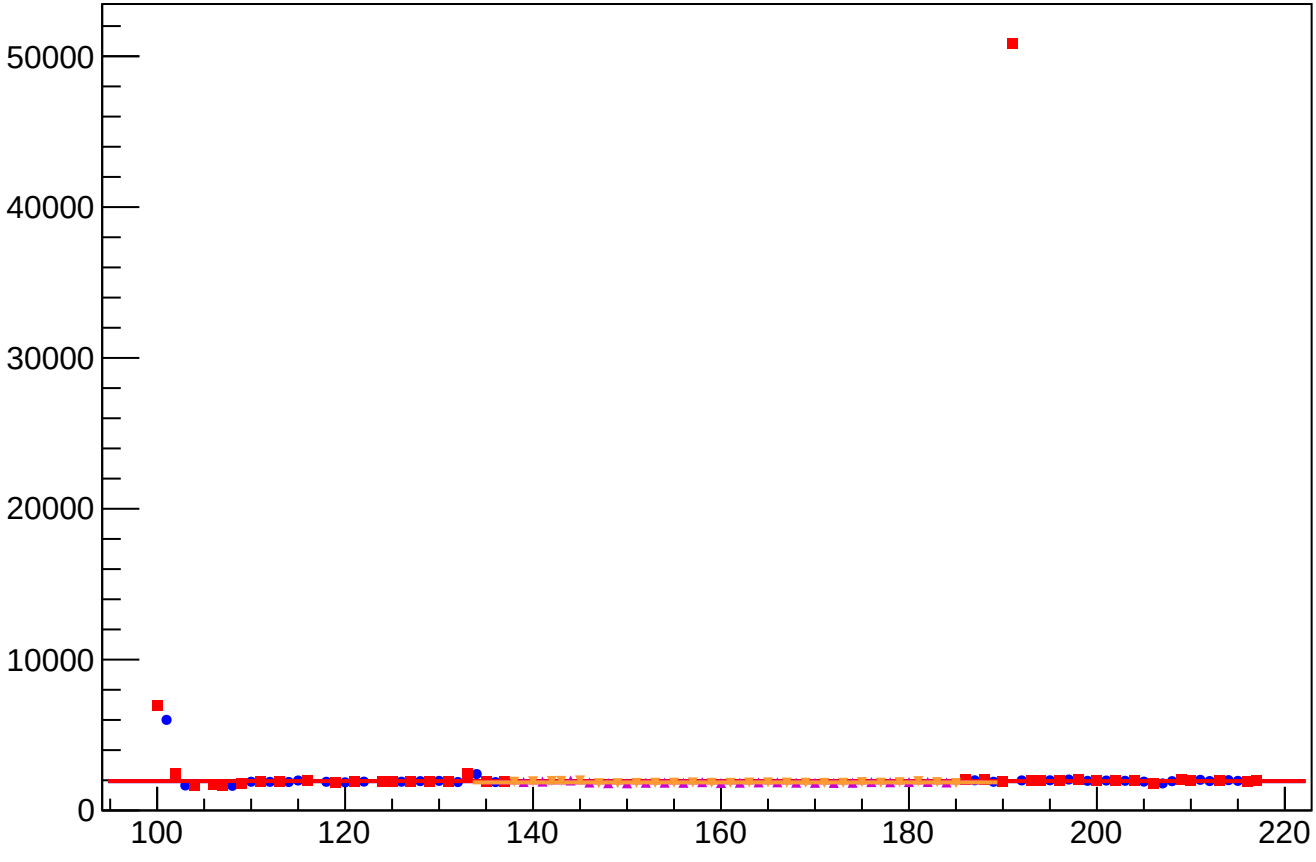
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -98.942+/-306.973 χ^2/NDF: 57.4/55

All: -75.875+/-217.078 χ^2/NDF: 112.4/114

- sign -52.801+/-307.017 χ^2/NDF: 55.0/58

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1941.248+/-0.315 χ^2/NDF: 726439.6/30

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

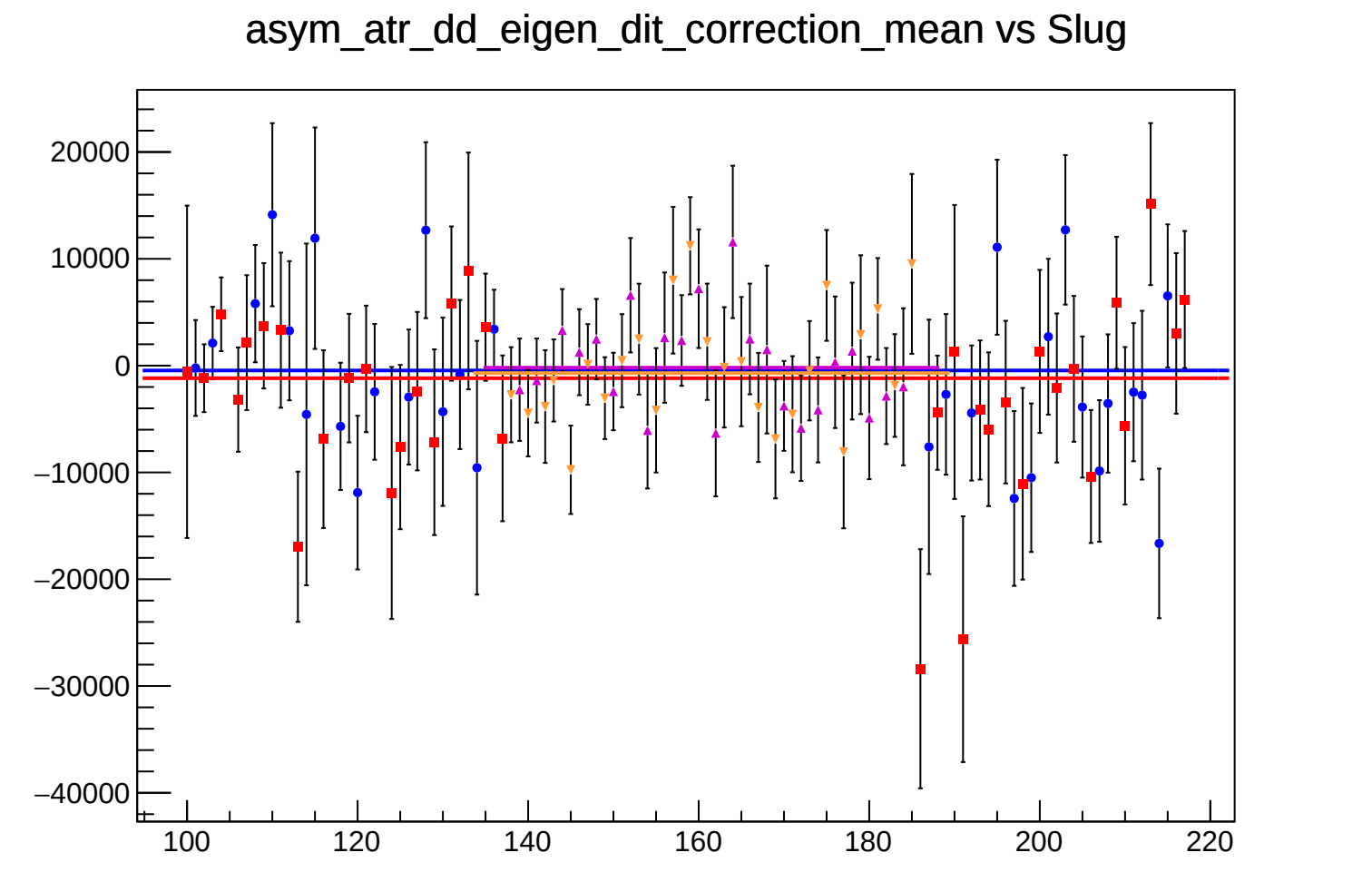
Right Out: 1946.624+/-0.307 χ^2/NDF: 409172.9/35

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1899.383+/-0.217 χ^2/NDF: 785910.0/55

All: 1900.738+/-0.153 χ^2/NDF: 1253540.5/11

- sign 1902.093+/-0.217 χ^2/NDF: 467552.6/58



Right In: -455.161+/-1164.443 χ^2/NDF: 34.5/30

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1179.331+/-1085.024 χ^2/NDF: 38.3/35

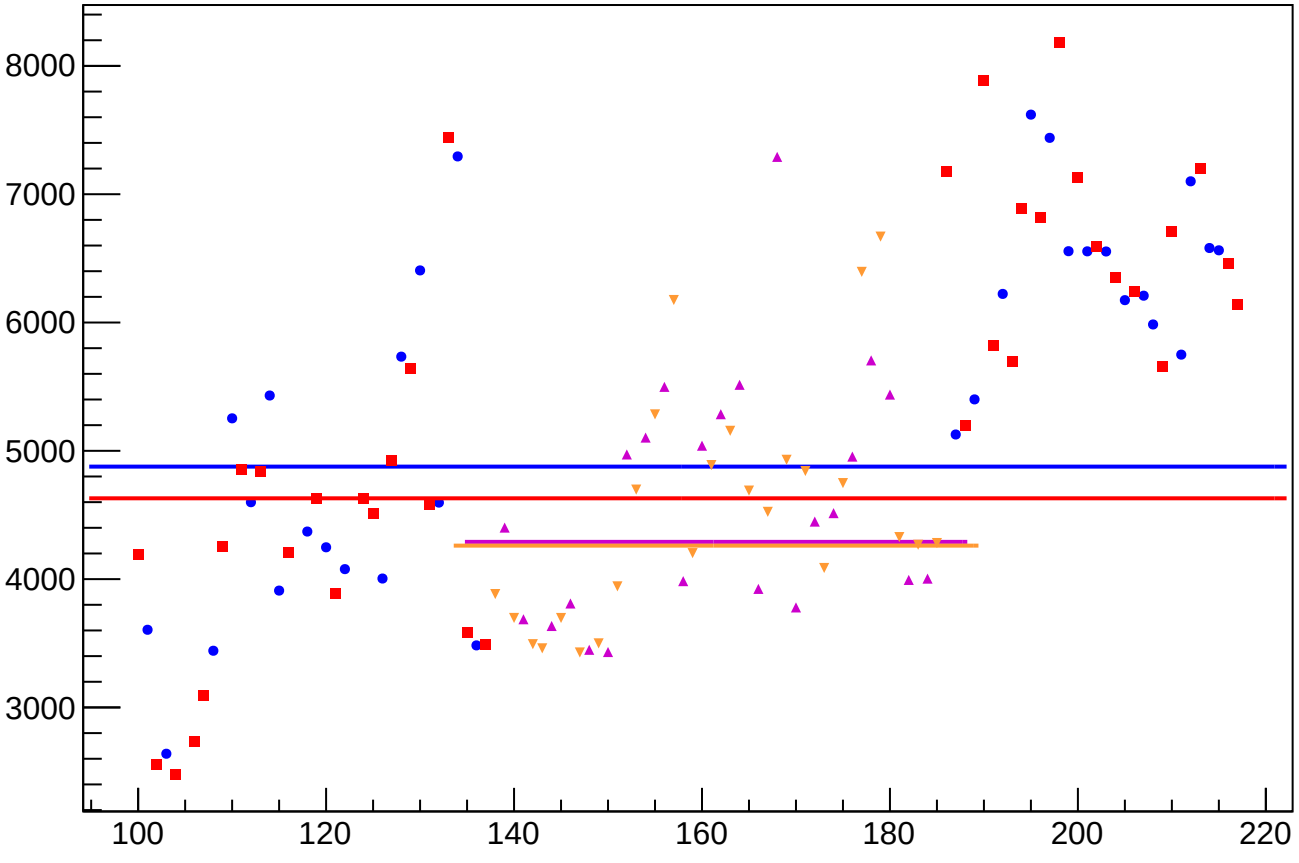
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -596.276+/-754.265 χ^2/NDF: 59.8/55

All: -626.869+/-529.725 χ^2/NDF: 113.7/114

- sign -656.645+/-744.128 χ^2/NDF: 53.9/58

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4876.972+/-0.823 χ^2/NDF: 3261296.3/30

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4629.919+/-0.767 χ^2/NDF: 4688145.3/35

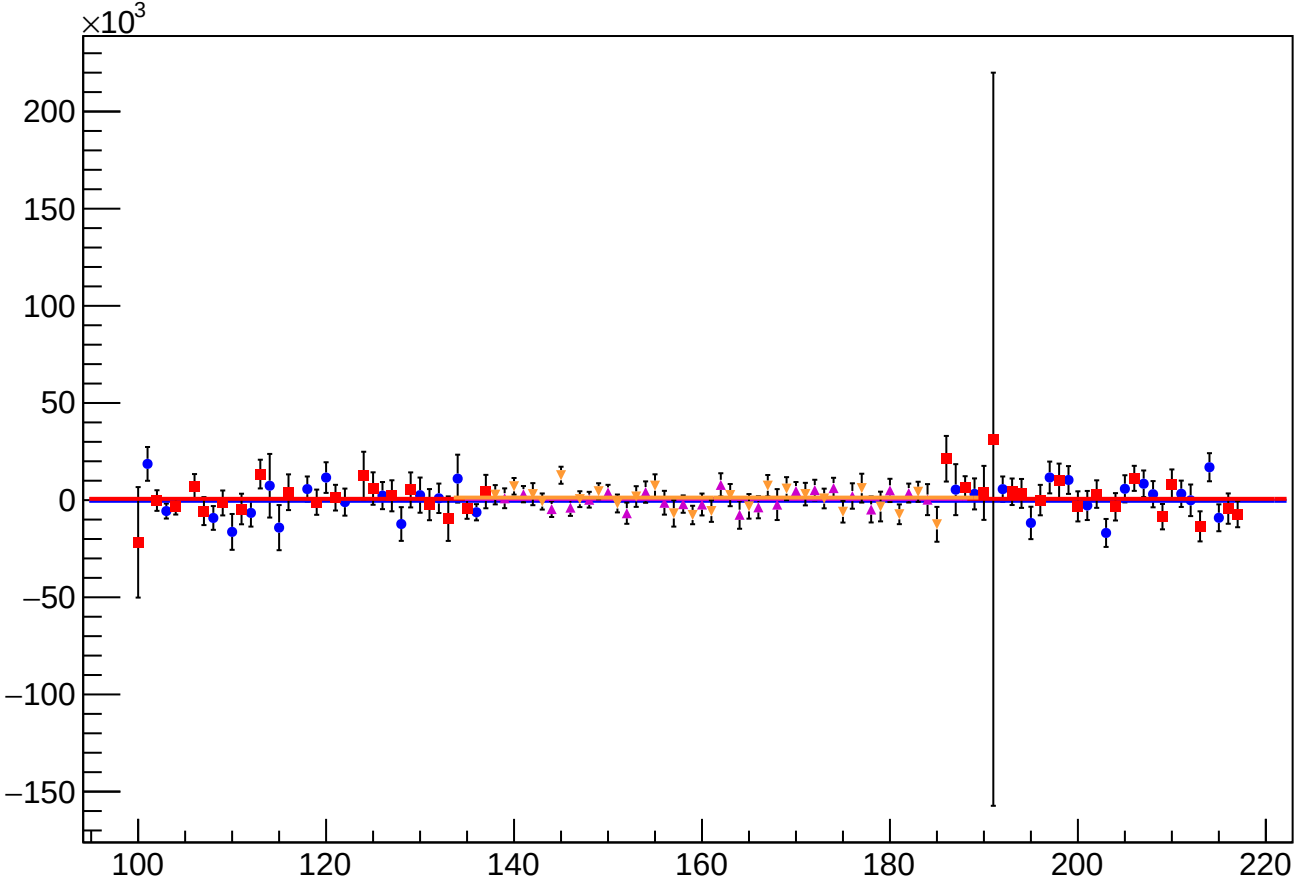
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4519.523+/-0.533 χ^2/NDF: 4776556.0/55

All: 4484.339+/-0.375 χ^2/NDF: 10790979.6/1

- sign 4450.094+/-0.526 χ^2/NDF: 6005835.9/58

asym_atr_dd_mean vs Slug



Right In: -341.068+/-1280.422 χ^2/NDF: 45.5/30

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 671.955+/-1223.981 χ^2/NDF: 27.9/35

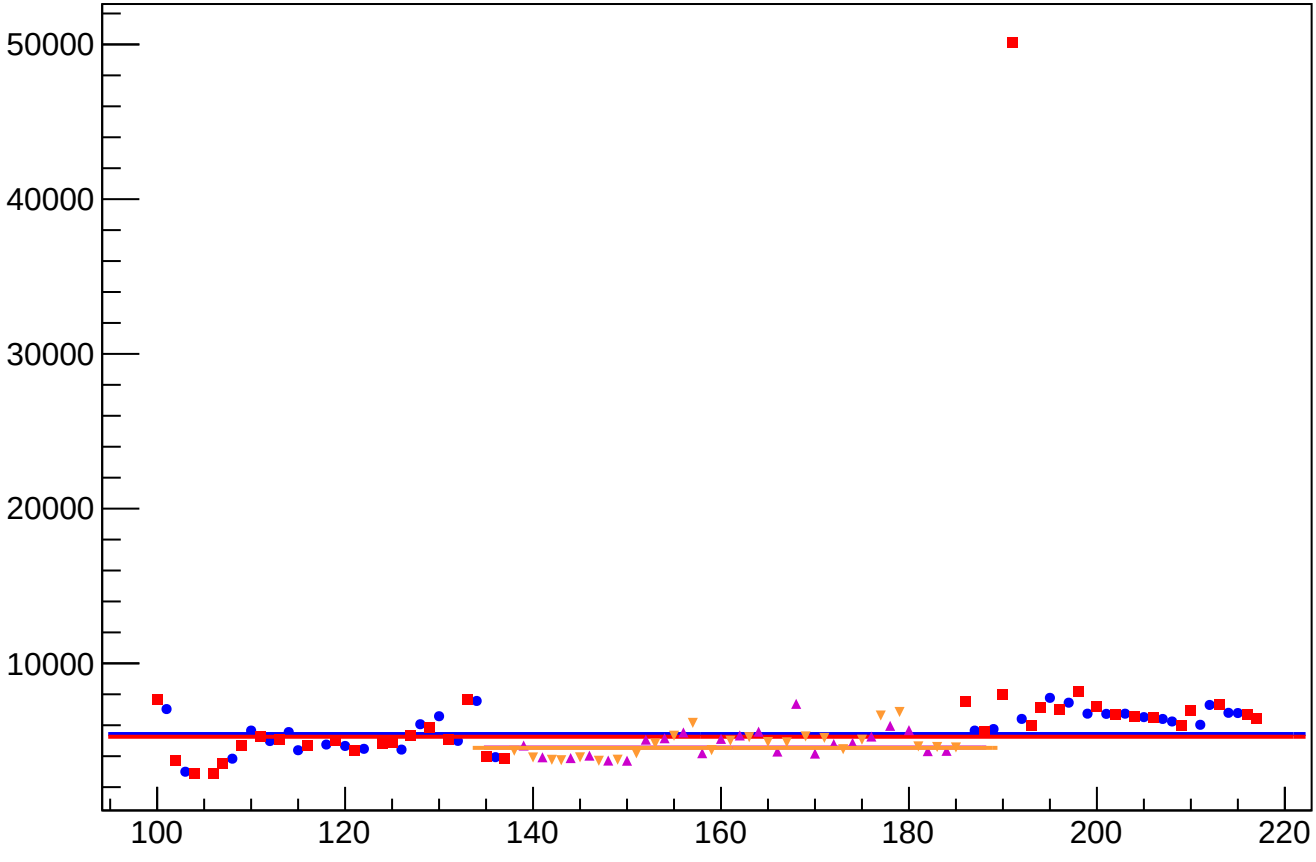
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 639.518+/-811.709 χ^2/NDF: 75.0/55

All: 628.919+/-573.613 χ^2/NDF: 117.3/114

\- sign 618.345+/-810.715 χ^2/NDF: 42.3/58

asym_atr_dd_rms vs Slug



Right In: 5431.988+/-0.905 χ^2/NDF: 2428400.1/30

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

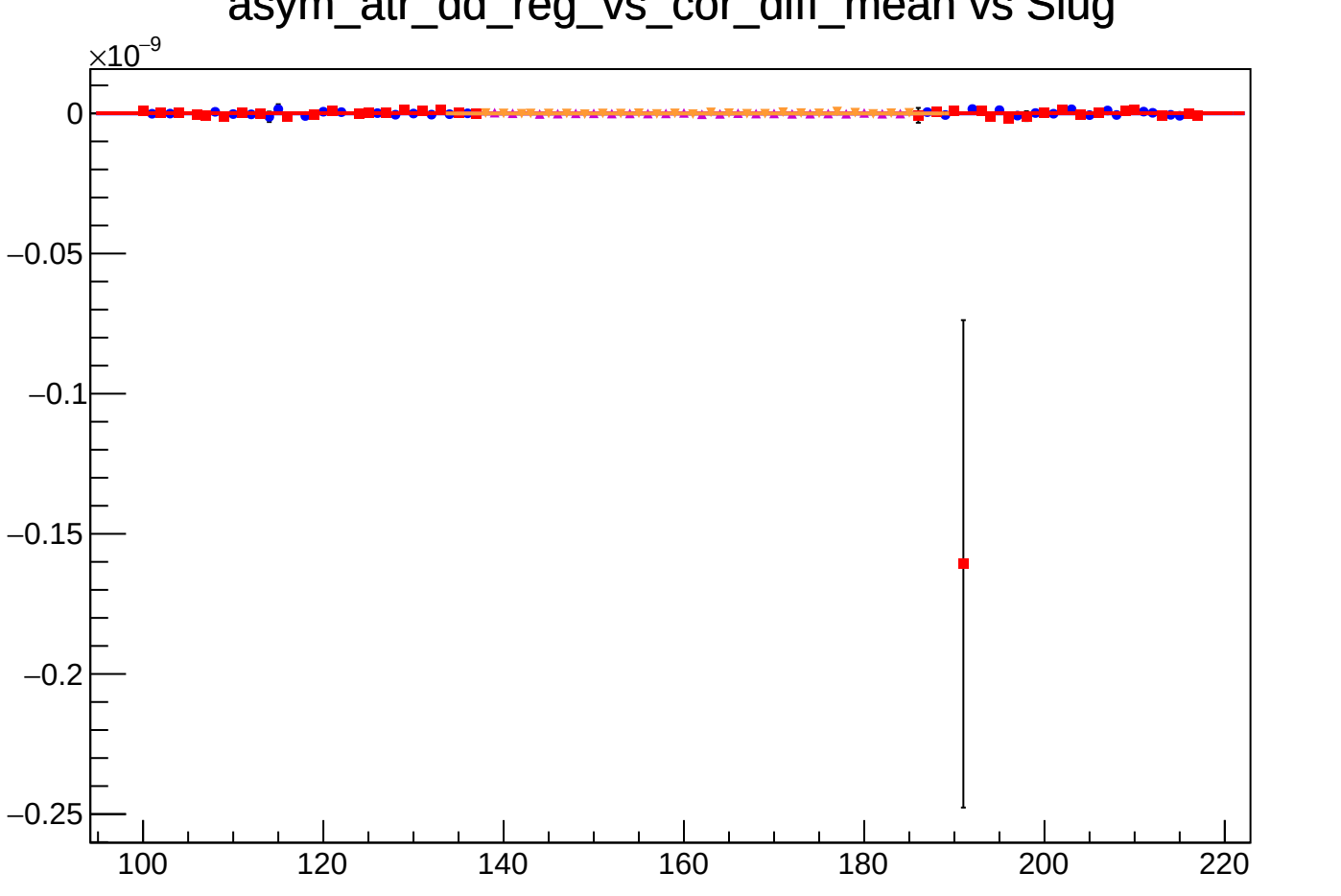
Right Out: 5256.181+/-0.861 χ^2/NDF: 3201697.2/35

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4897.235+/-0.574 χ^2/NDF: 4004537.1/55

All: 4882.226+/-0.405 χ^2/NDF: 8552342.2/11

- sign 4867.316+/-0.572 χ^2/NDF: 4546442.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

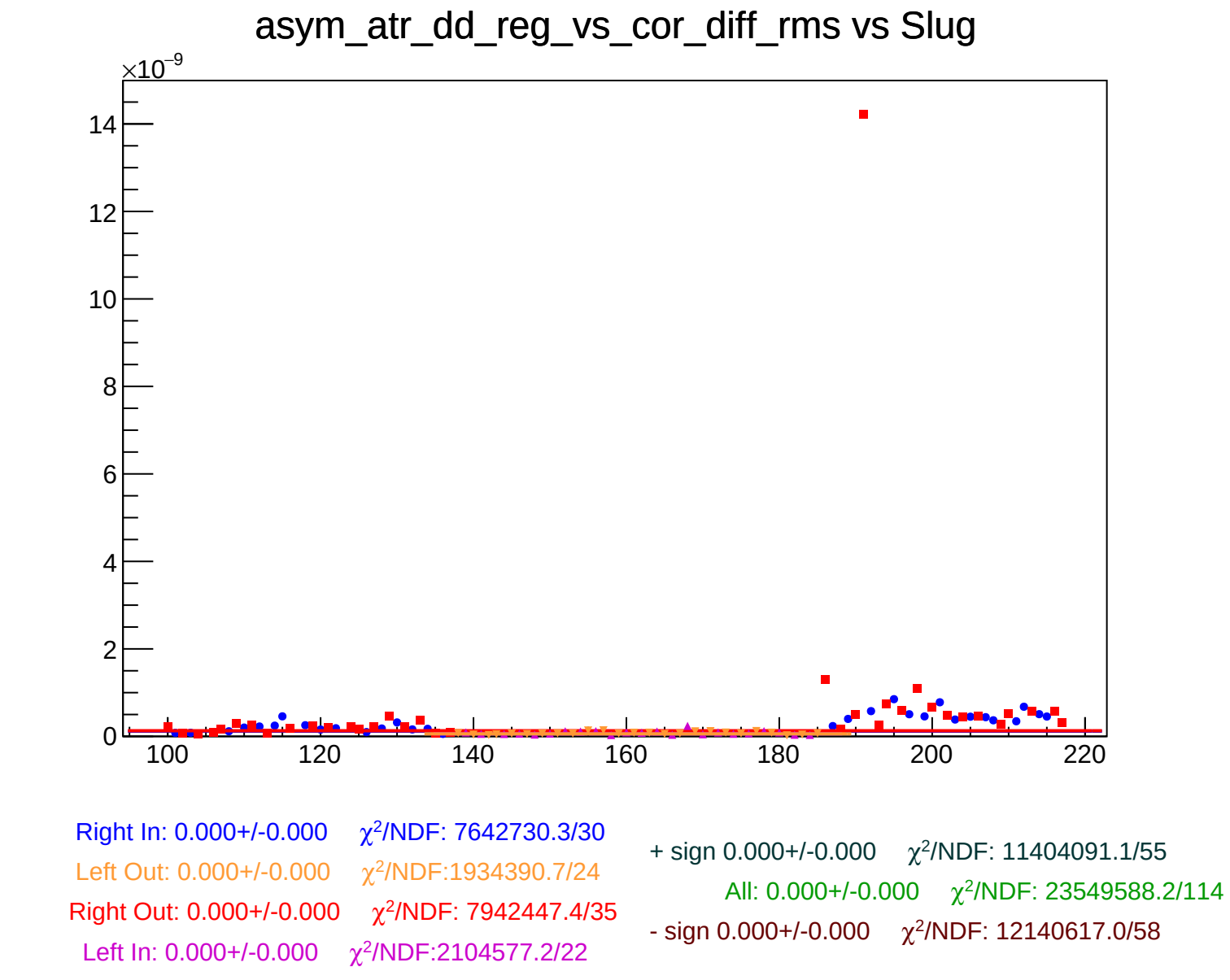
Right Out: 0.000+/-0.000 χ^2/NDF: 45.1/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

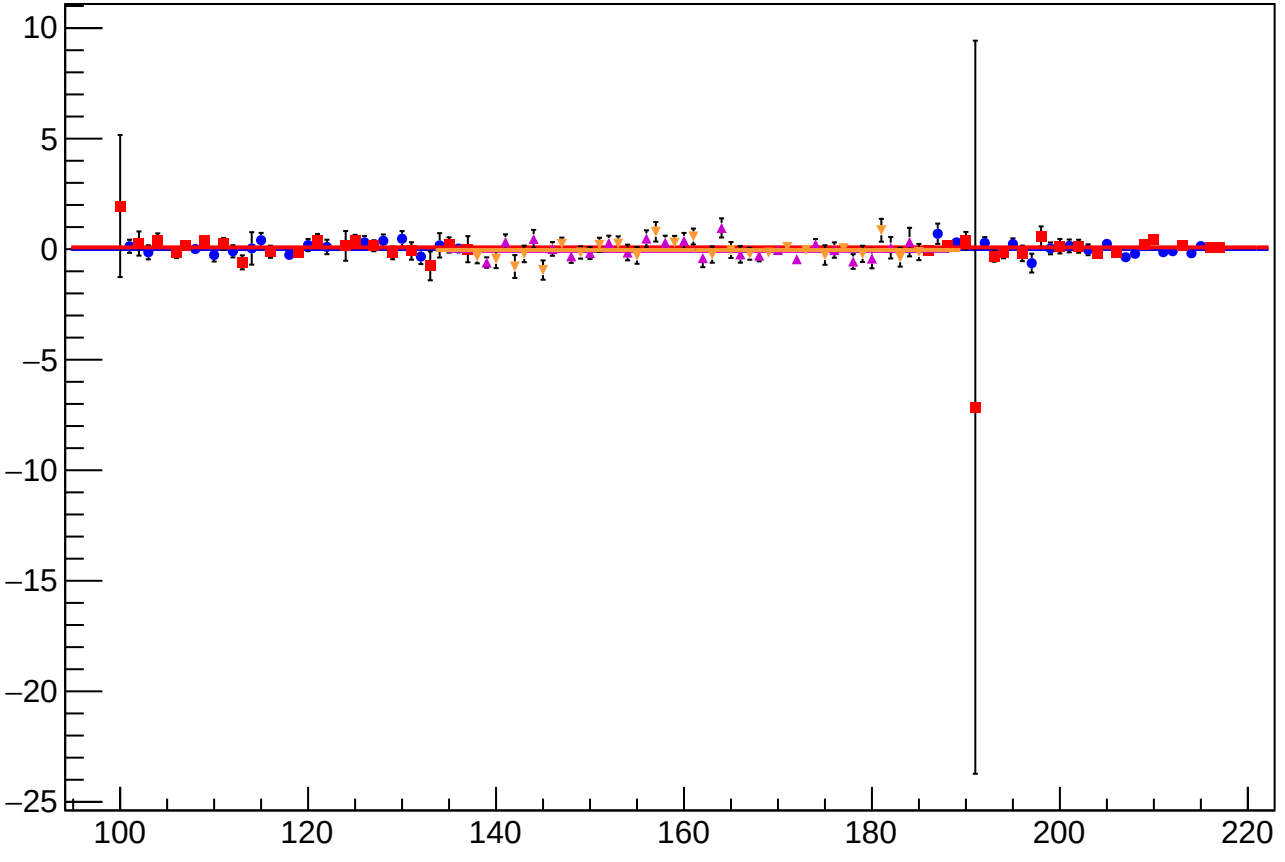
+ sign -0.000+/-0.000 χ^2/NDF: 66.4/55

All: -0.000+/-0.000 χ^2/NDF: 134.8/114

- sign -0.000+/-0.000 χ^2/NDF: 67.7/58


asym_atr_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7642730.3/30
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7942447.4/35
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11404091.1/55
All: 0.000+/-0.000 χ²/NDF: 23549588.2/114
- sign 0.000+/-0.000 χ²/NDF: 12140617.0/58

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

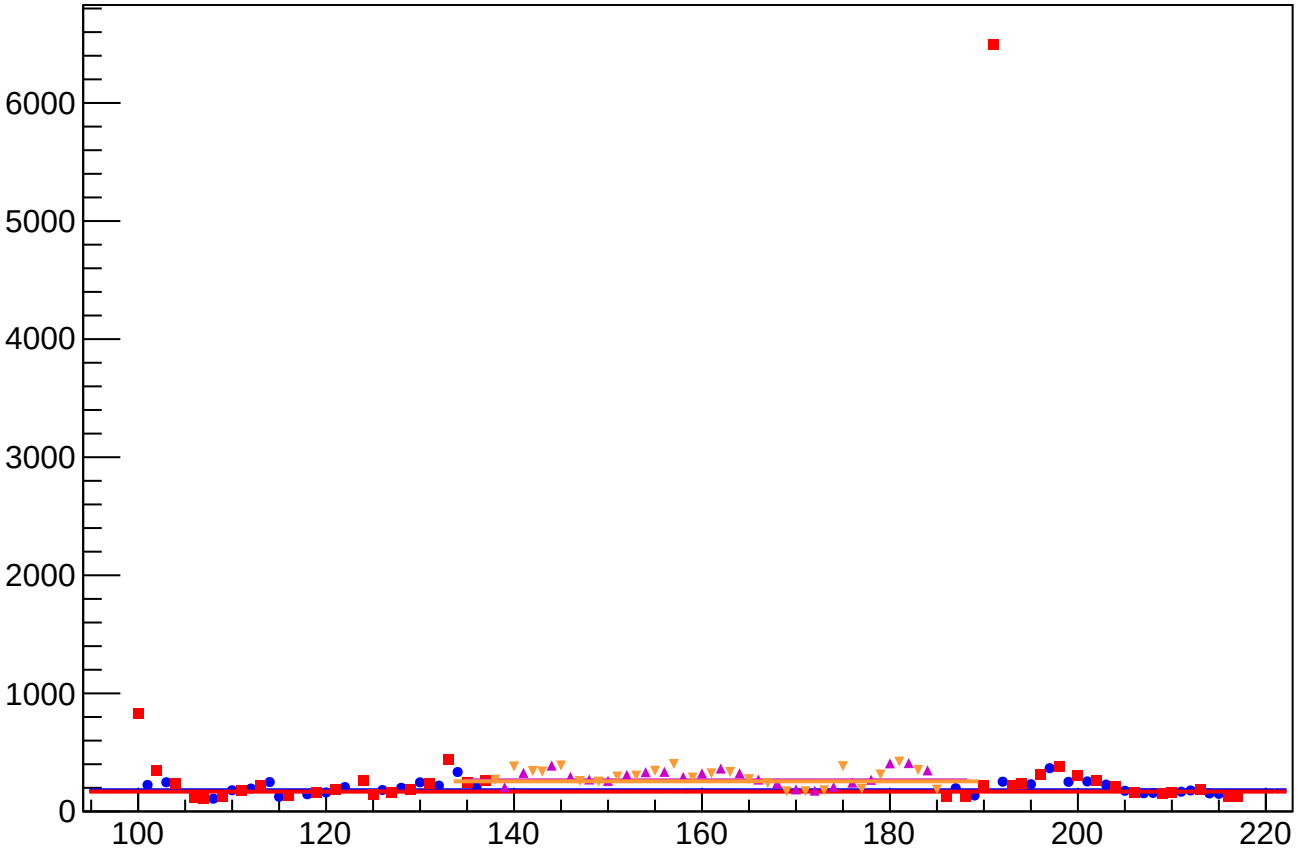
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.007+/-0.035 χ^2/NDF: 55.4/55

All: 0.016+/-0.025 χ^2/NDF: 125.0/114

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.5/30

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

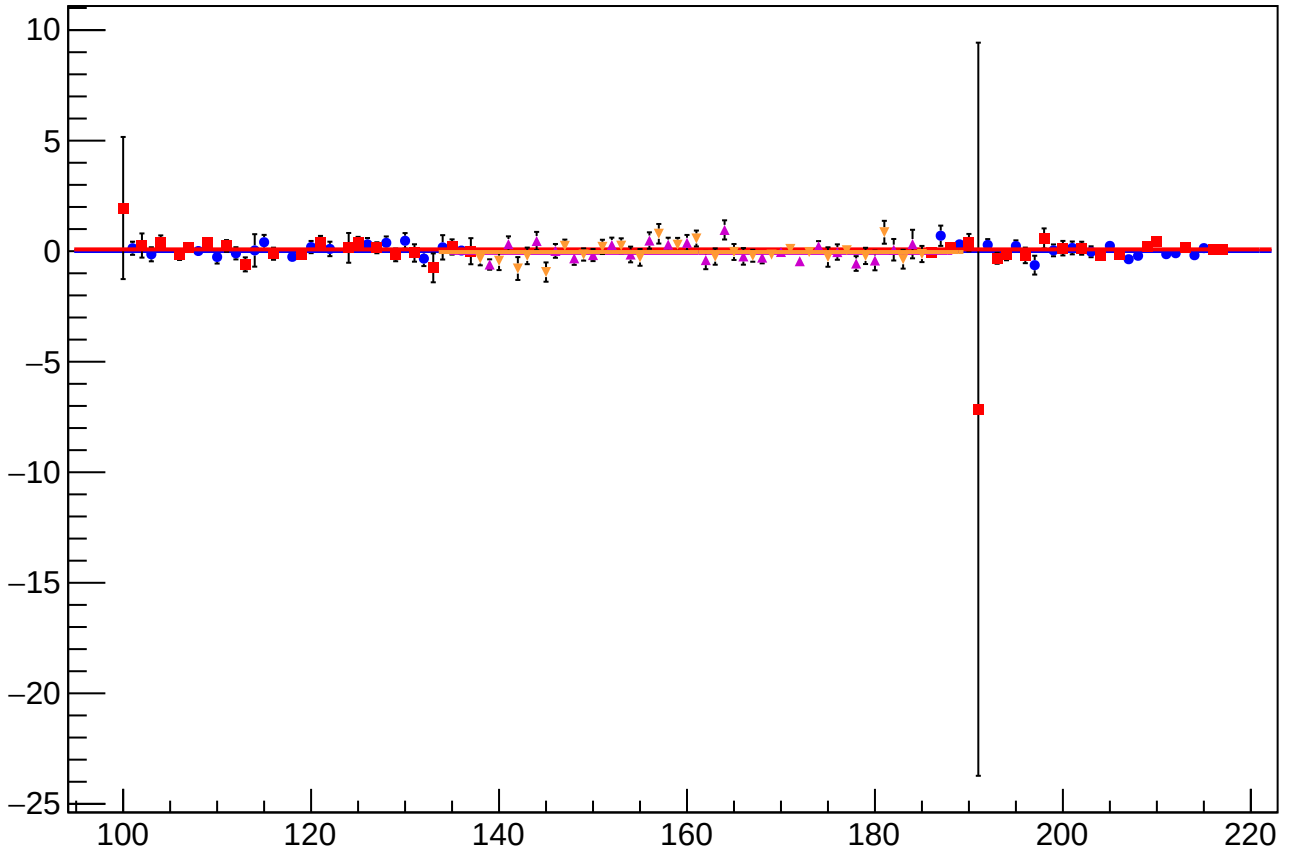
Right Out: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 204.500+/-0.025 χ^2/NDF: 7153458.9/55

All: 199.239+/-0.017 χ^2/NDF: 16372904.0/11

- sign 194.330+/-0.024 χ^2/NDF: 9134246.3/58



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

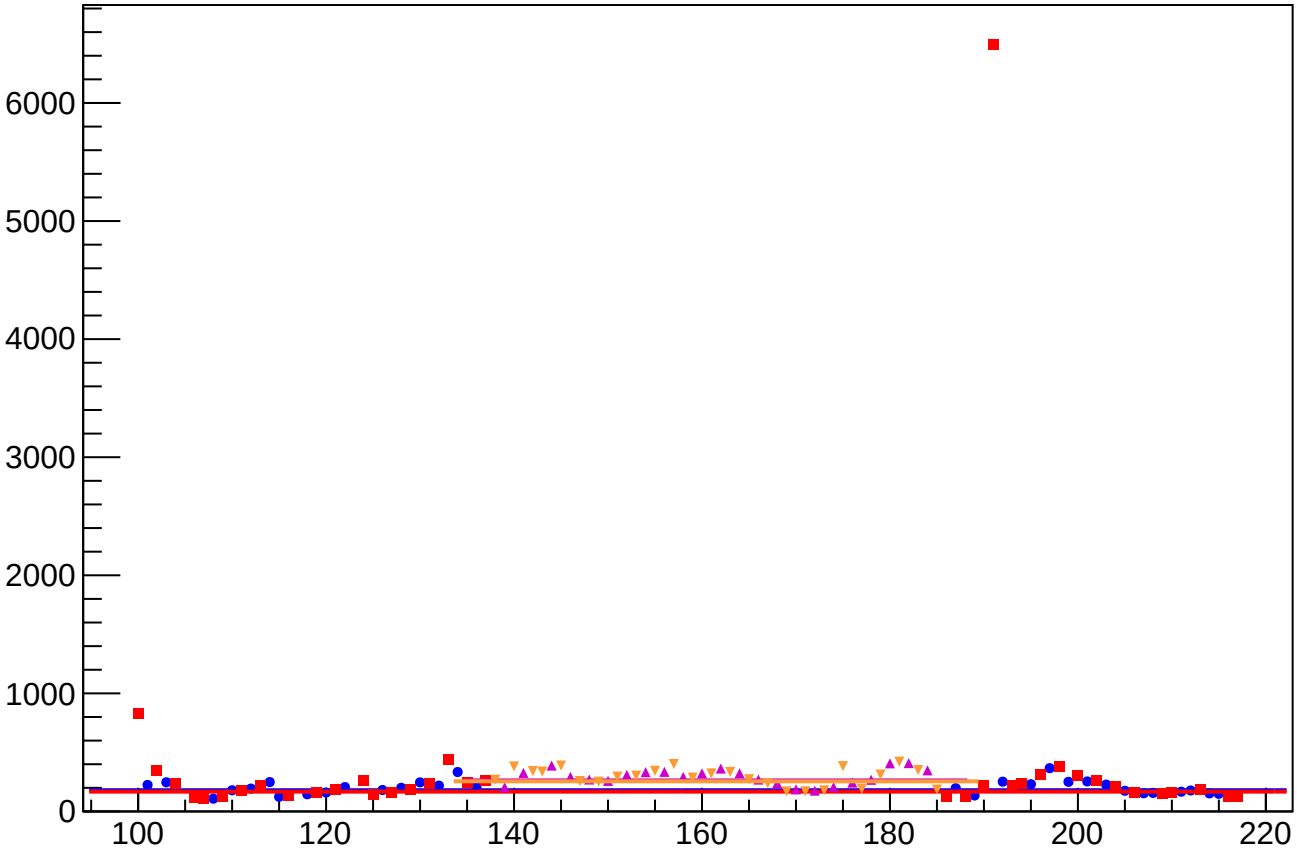
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.007+/-0.035 χ^2/NDF: 55.4/55

All: 0.016+/-0.025 χ^2/NDF: 125.0/114

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.5/30

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

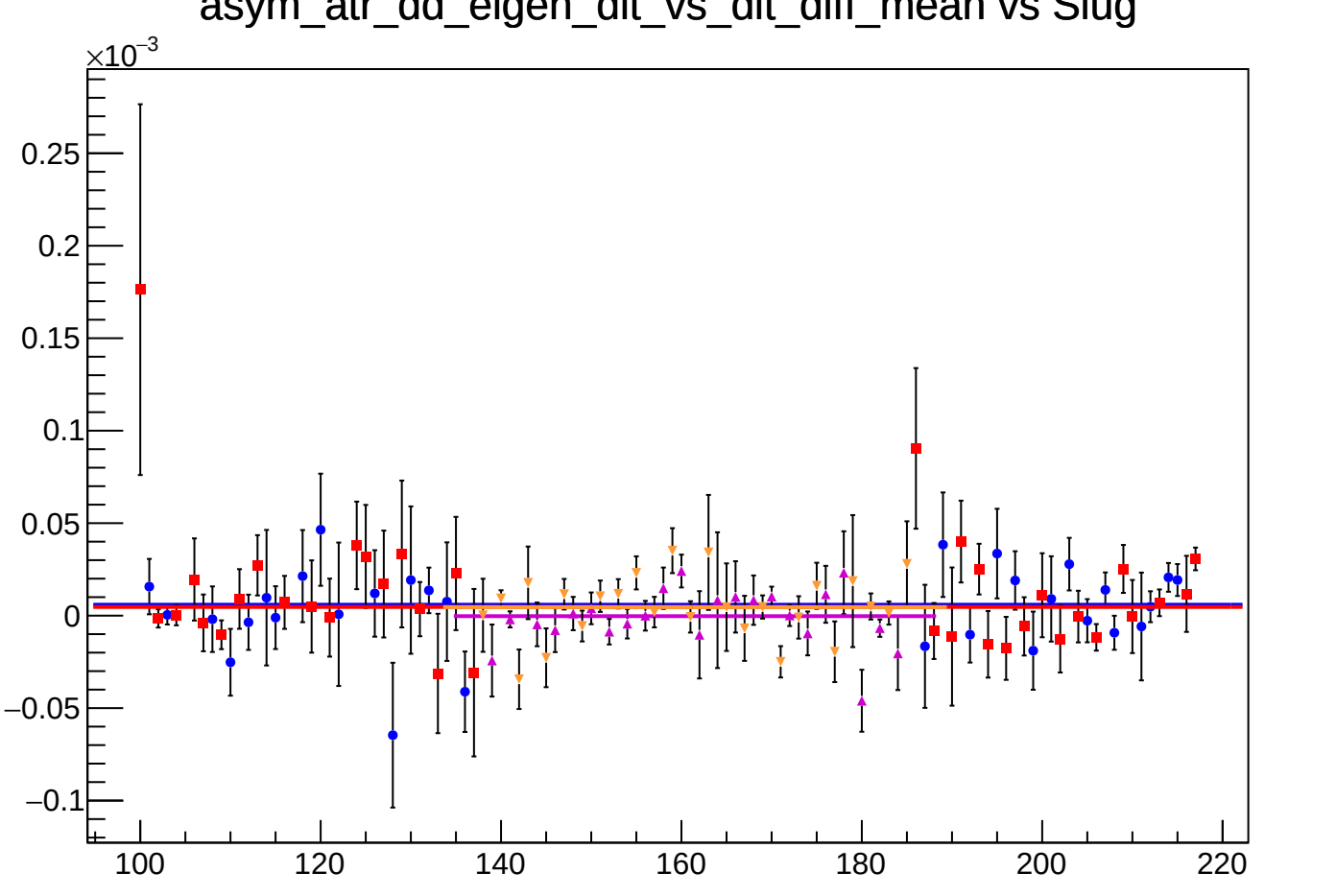
Right Out: 167.924+/-0.028 χ^2/NDF: 4023848.7/35

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 204.500+/-0.025 χ^2/NDF: 7153458.9/55

All: 199.239+/-0.017 χ^2/NDF: 16372904.0/11

- sign 194.330+/-0.024 χ^2/NDF: 9134246.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

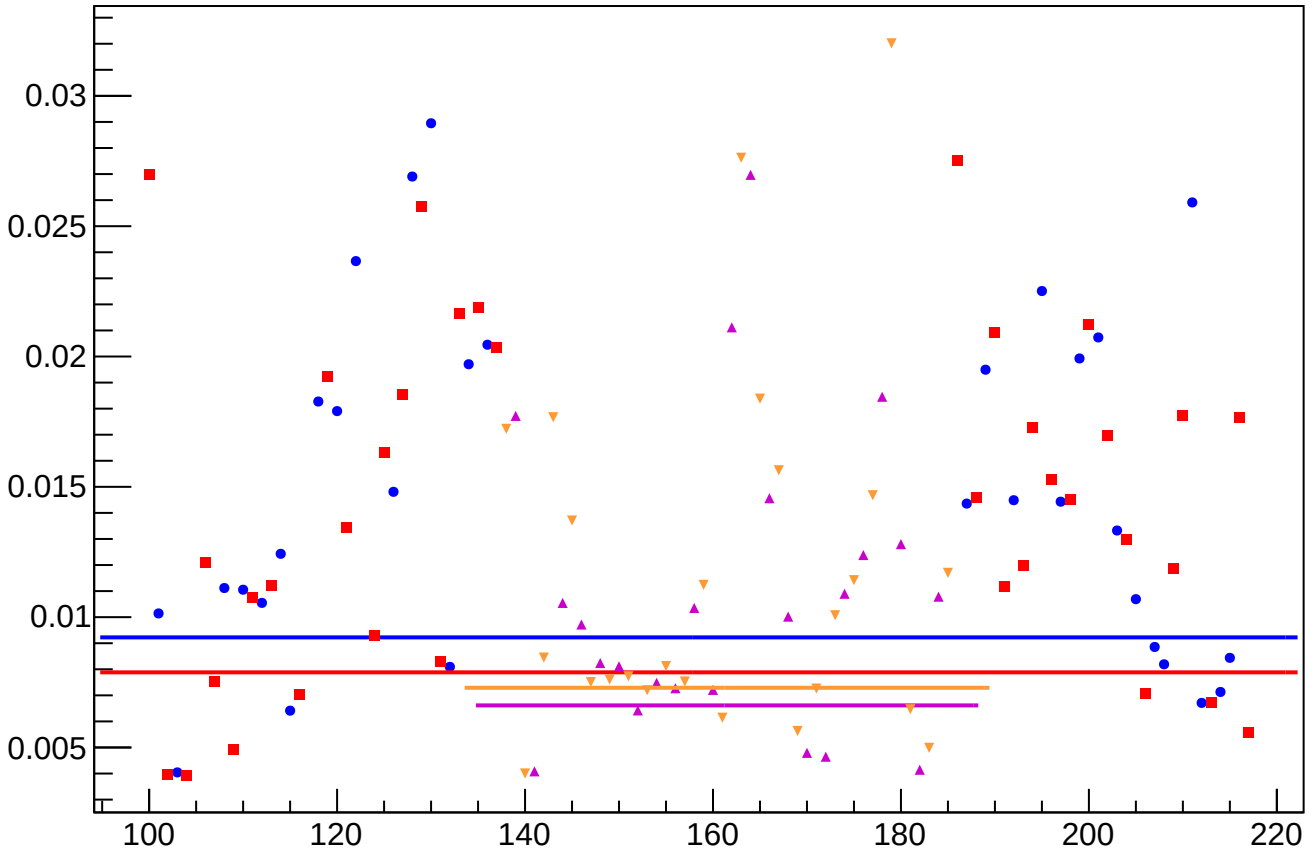
Right Out: 0.000+/-0.000 χ^2/NDF: 57.8/35

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.4/55

All: 0.000+/-0.000 χ^2/NDF: 173.3/114

- sign 0.000+/-0.000 χ^2/NDF: 92.3/58



Right In: 0.009+/-0.000 χ^2/NDF: 8215098.7/30

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10767369.3/35

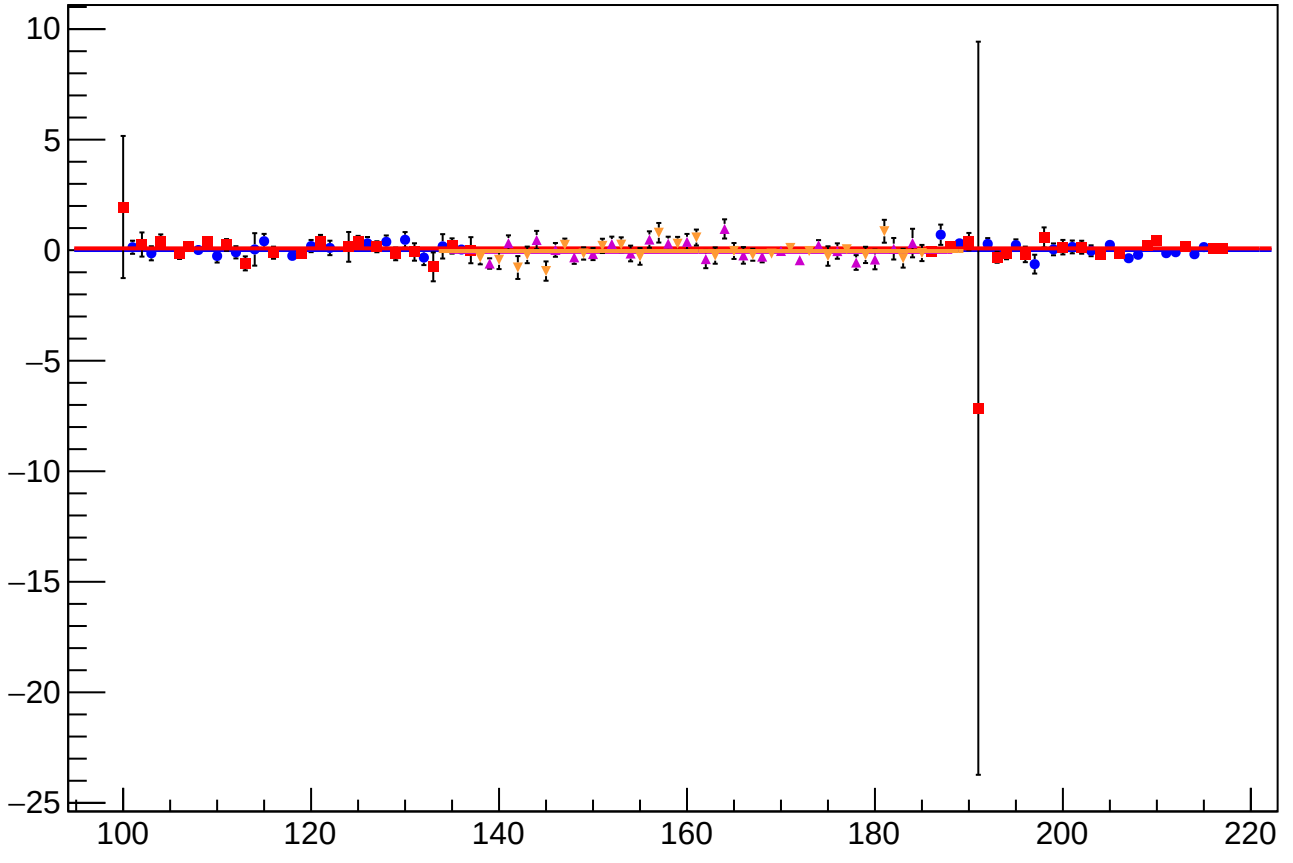
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 15780367.2/55

All: 0.008+/-0.000 χ^2/NDF: 33748674.4/114

- sign 0.007+/-0.000 χ^2/NDF: 17608424.1/58

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

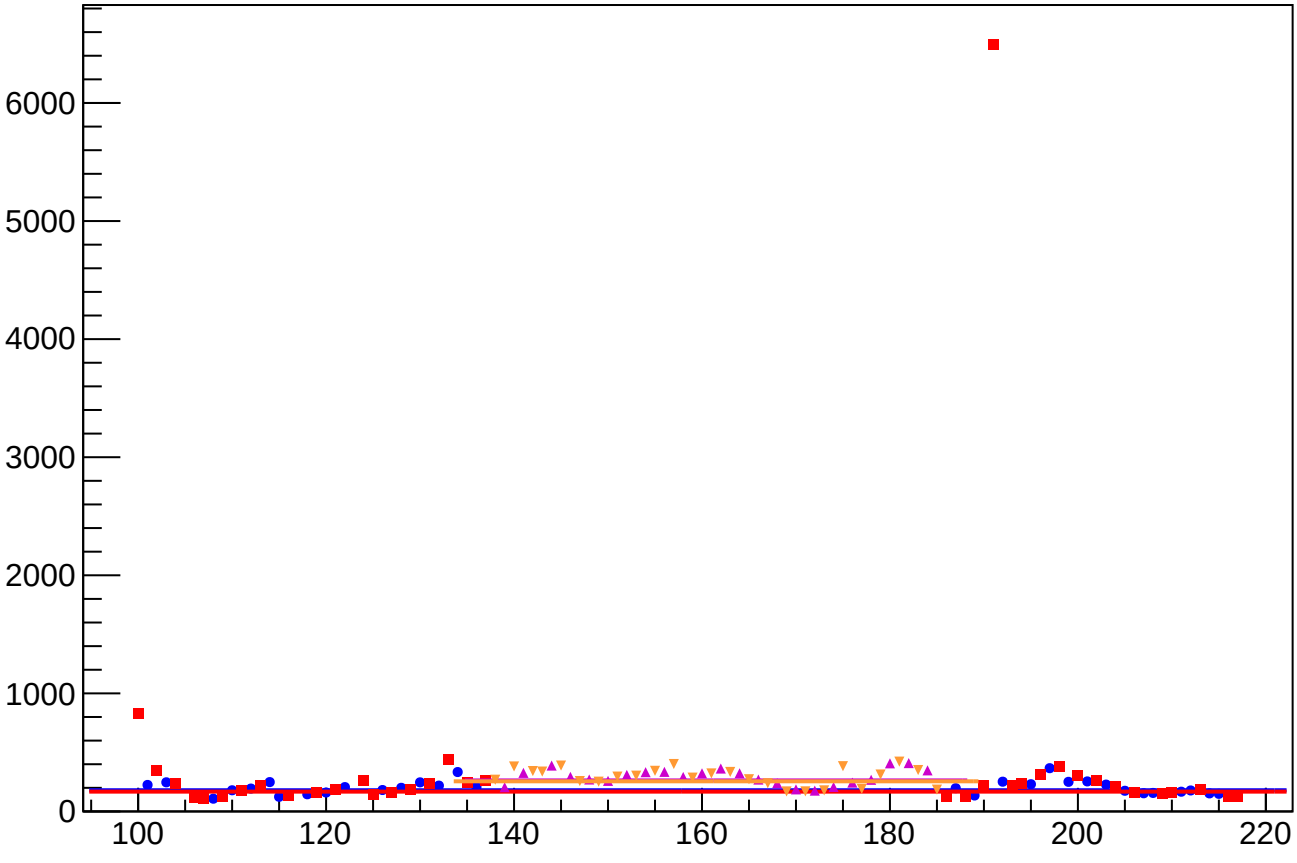
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.007+/-0.035 χ^2/NDF: 55.4/55

All: 0.016+/-0.025 χ^2/NDF: 125.0/114

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.3/30

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

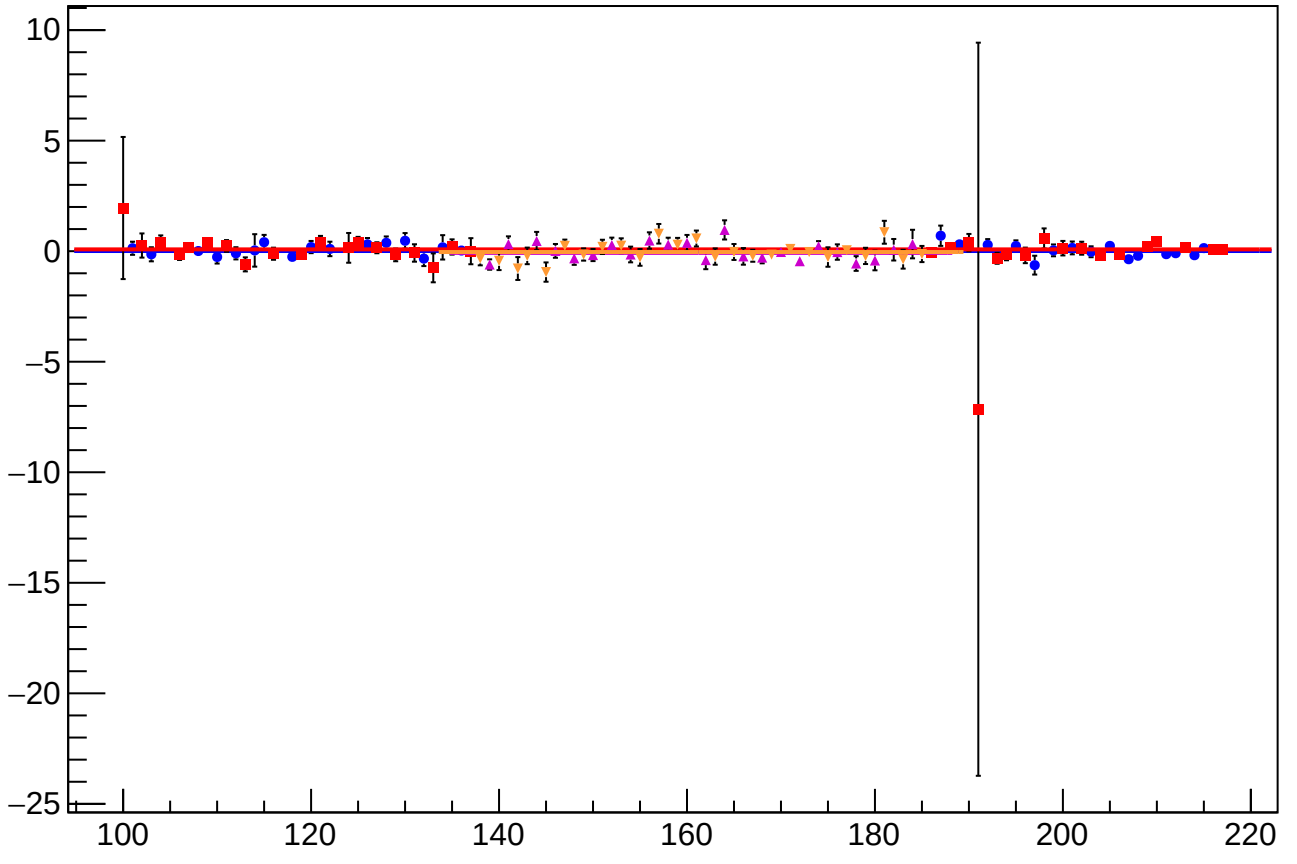
Right Out: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 204.501+/-0.025 χ^2/NDF: 7153622.6/55

All: 199.240+/-0.017 χ^2/NDF: 16373024.3/11

- sign 194.332+/-0.024 χ^2/NDF: 9134220.8/58



Right In: 0.007+/-0.043 χ^2/NDF: 30.6/30

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

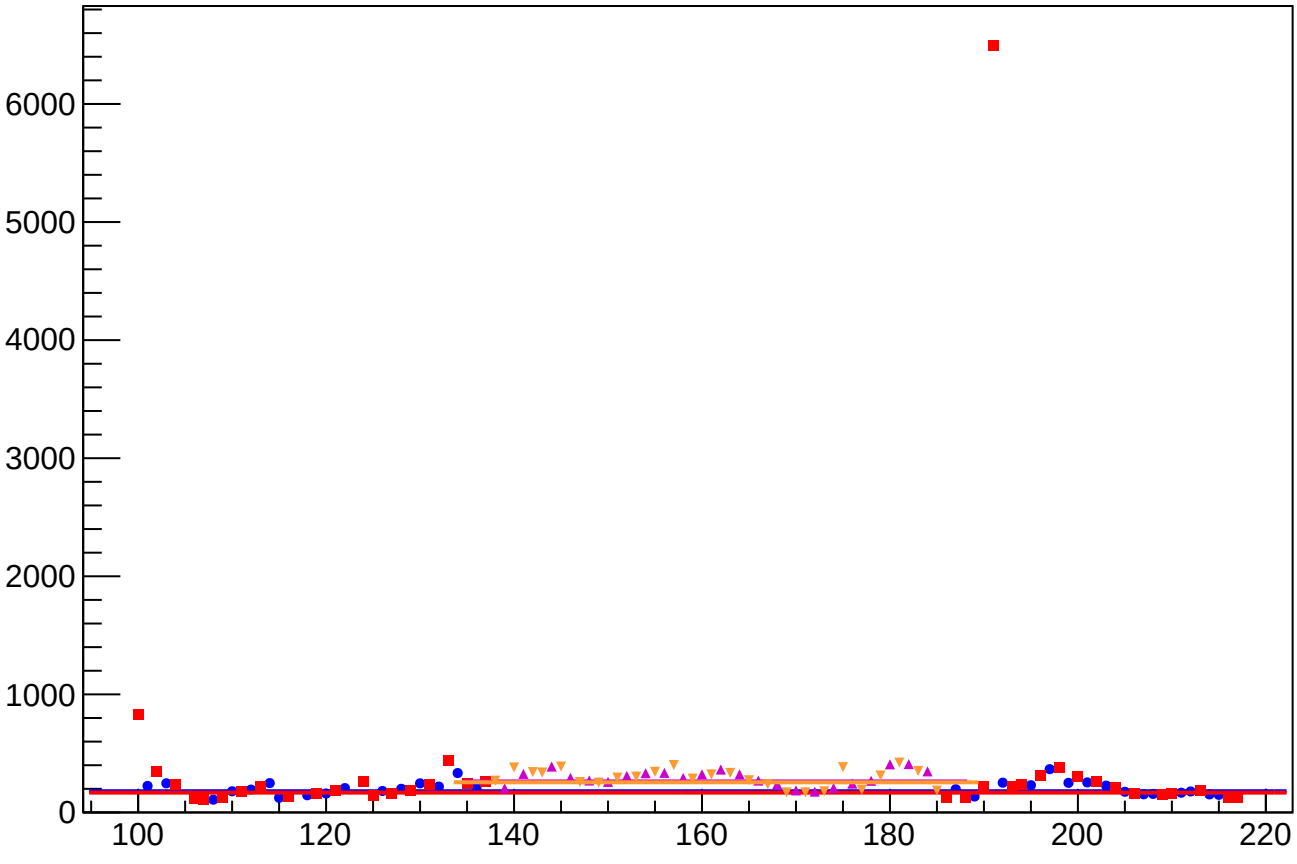
Right Out: 0.082+/-0.040 χ^2/NDF: 33.3/35

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.007+/-0.035 χ^2/NDF: 55.4/55

All: 0.016+/-0.025 χ^2/NDF: 125.0/114

- sign 0.037+/-0.034 χ^2/NDF: 68.8/58



Right In: 179.729+/-0.031 χ^2/NDF: 2212094.3/30

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

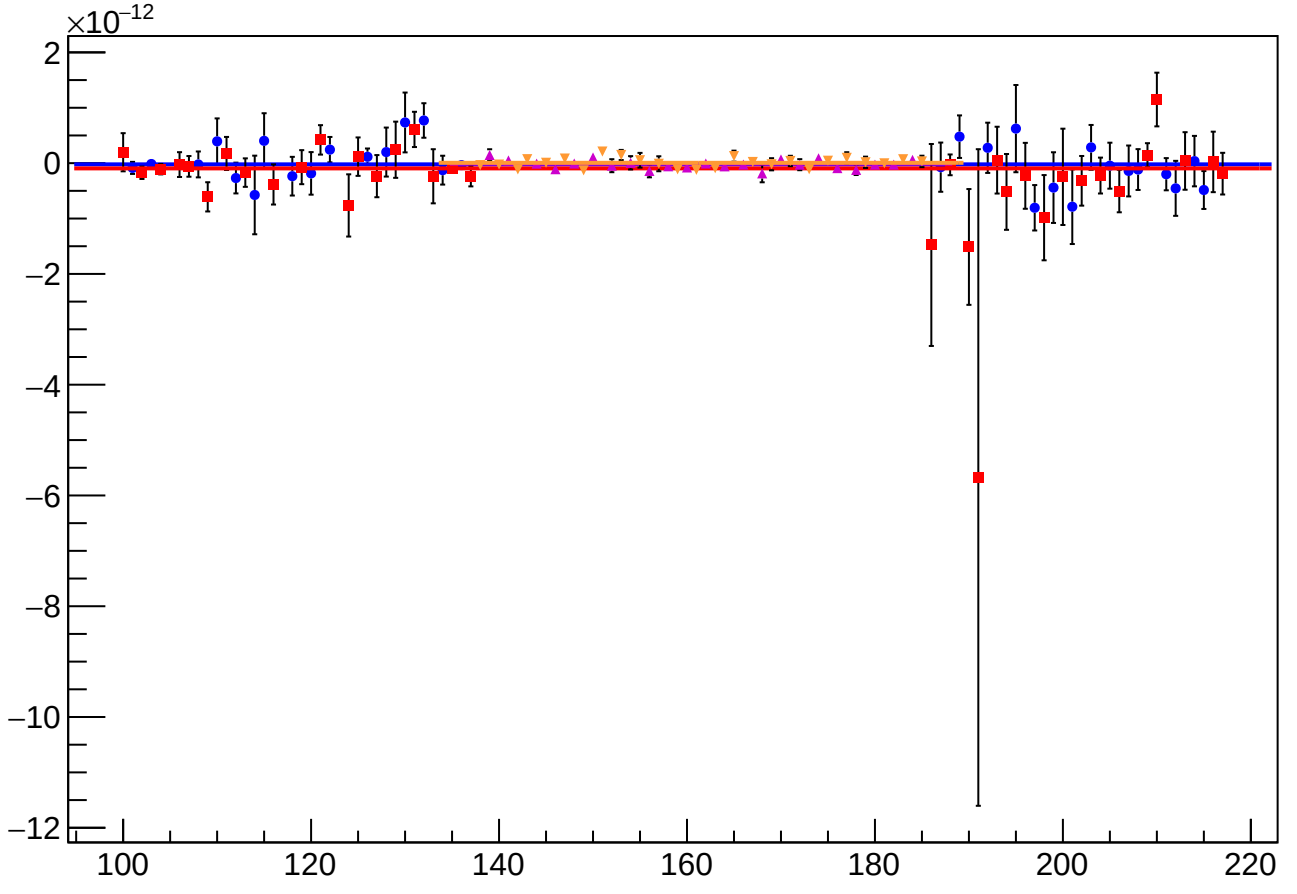
Right Out: 167.925+/-0.028 χ^2/NDF: 4023771.6/35

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 204.501+/-0.025 χ^2/NDF: 7153622.6/55

All: 199.240+/-0.017 χ^2/NDF: 16373024.3/11

- sign 194.332+/-0.024 χ^2/NDF: 9134220.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

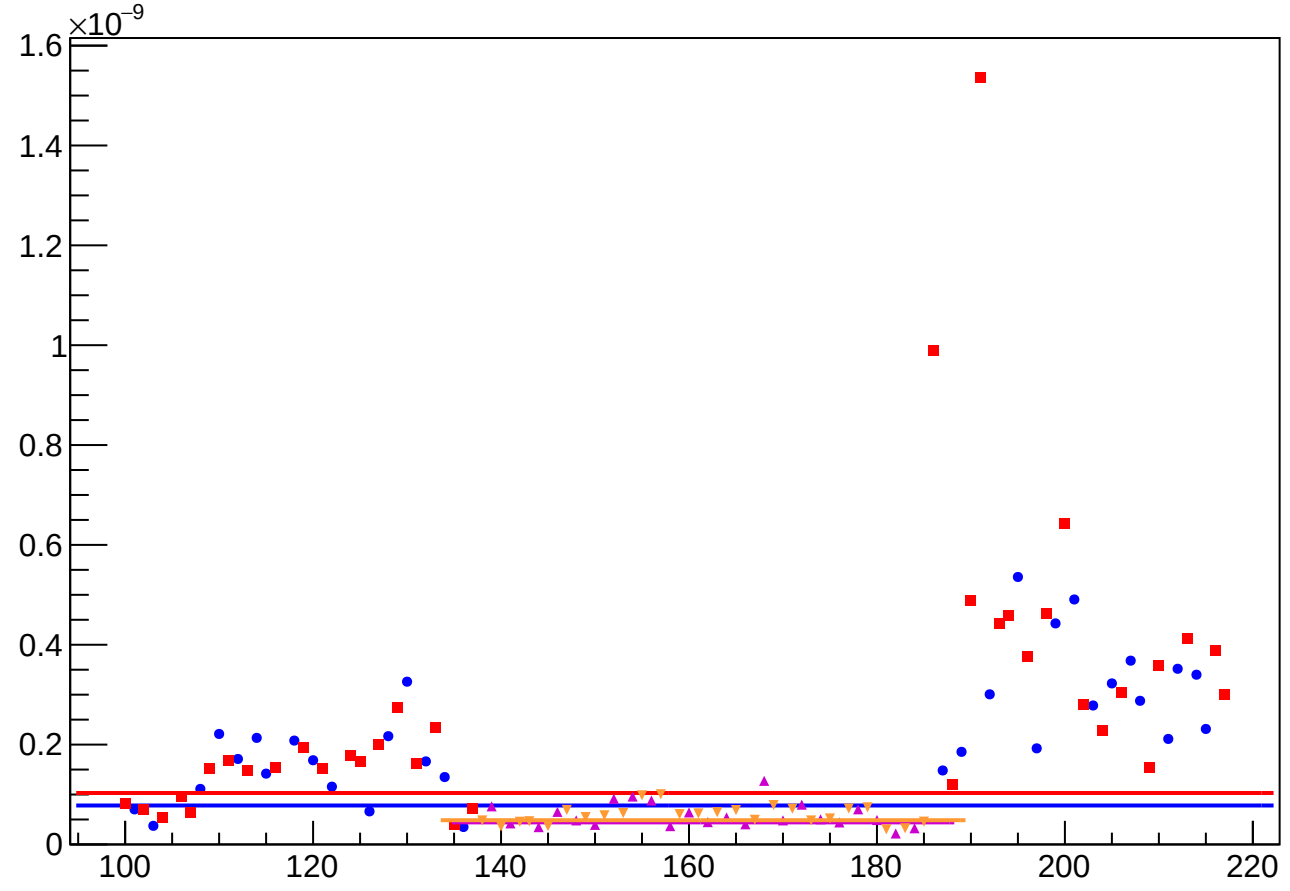
Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/35

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/55

All: -0.000+/-0.000 χ^2/NDF: 118.2/114

- sign -0.000+/-0.000 χ^2/NDF: 58.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 11621875.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10731134.8/35

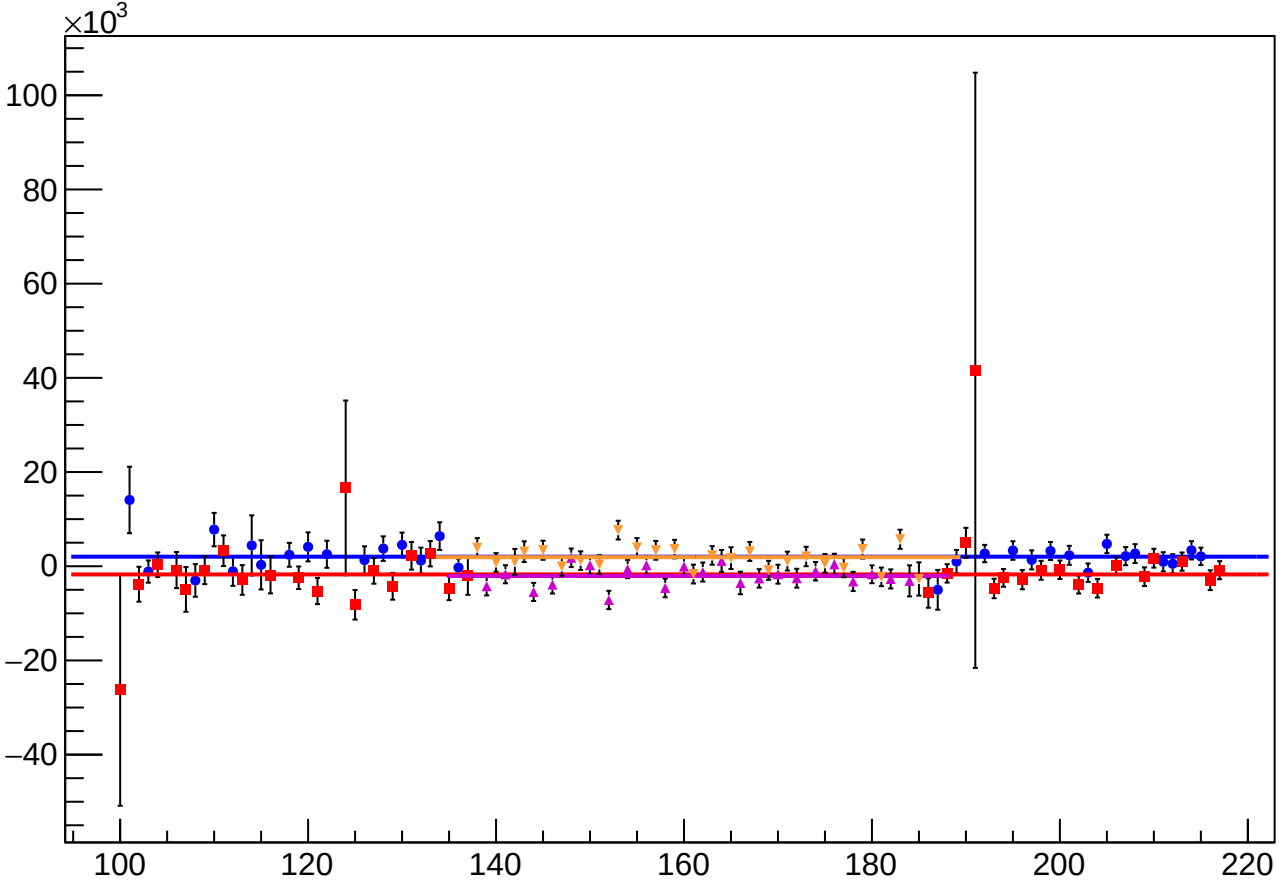
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15424320.3/55

All: 0.000+/-0.000 χ^2/NDF: 33901345.6/114

- sign 0.000+/-0.000 χ^2/NDF: 18448467.3/58

reg_asym_at1_avg_mean vs Slug



Right In: 2027.185+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1737.222+/-419.688 χ^2/NDF: 38.0/35

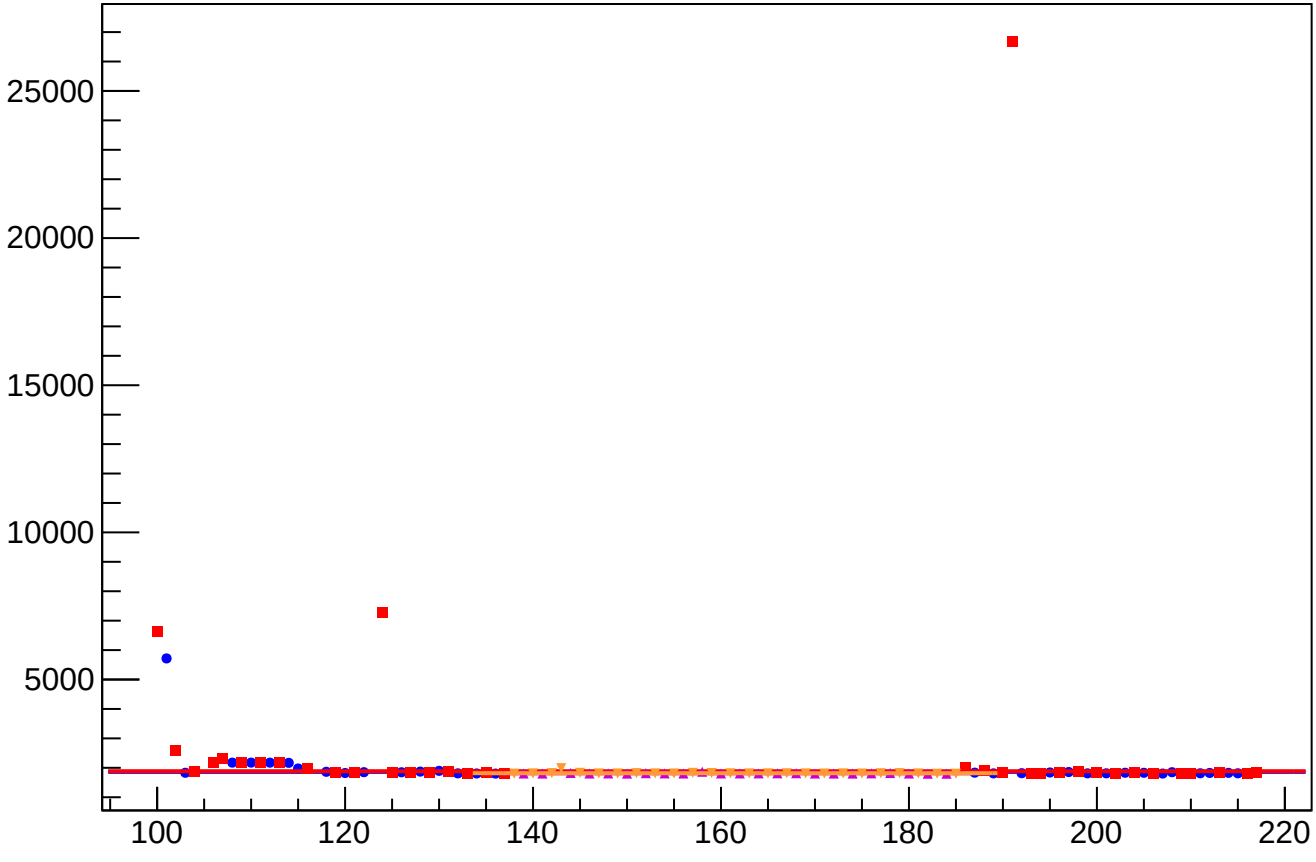
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1972.022+/-297.088 χ^2/NDF: 59.4/55

All: 39.790+/-210.394 χ^2/NDF: 209.2/114

- sign -1904.308+/-297.999 χ^2/NDF: 64.9/58

reg_asym_at1_avg_rms vs Slug



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.1/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

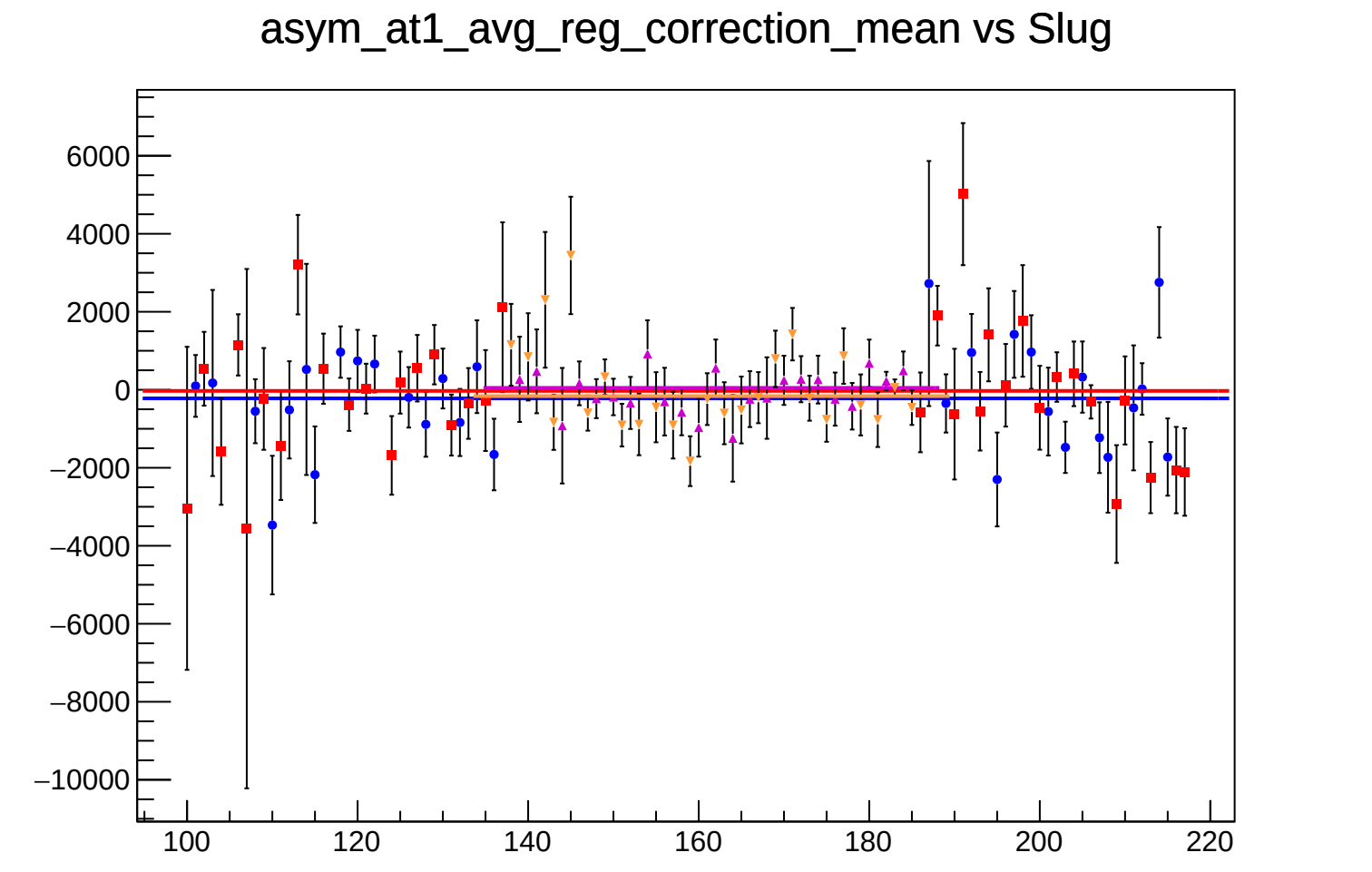
Right Out: 1882.405+/-0.297 χ^2/NDF: 745214.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.499+/-0.210 χ^2/NDF: 695080.5/55

All: 1843.620+/-0.149 χ^2/NDF: 1470556.4/11

- sign 1847.766+/-0.211 χ^2/NDF: 774703.9/58



Right In: -221.095+/-170.050 χ^2/NDF: 39.4/30

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -28.607+/-156.207 χ^2/NDF: 55.4/35

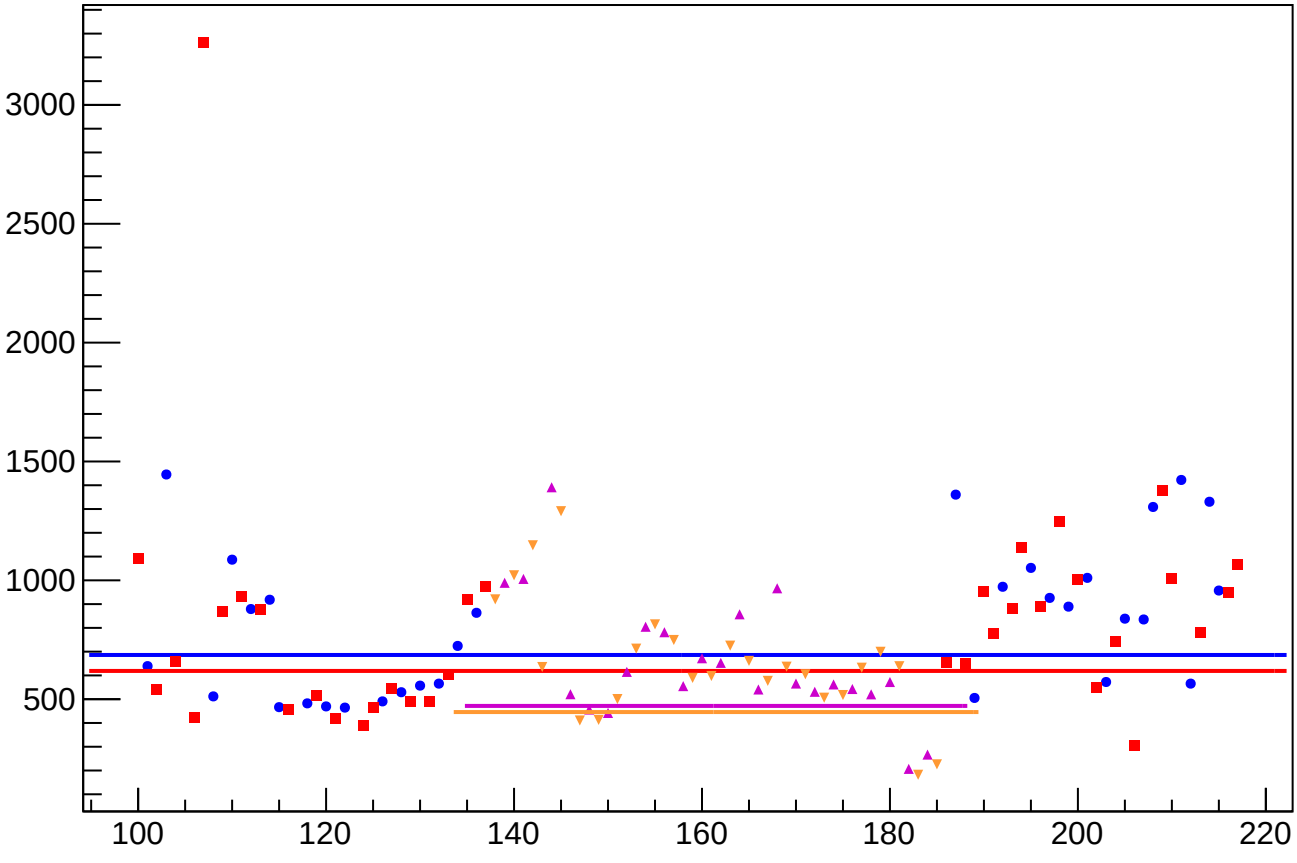
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -181.293+/-95.429 χ^2/NDF: 76.3/55

All: -81.969+/-67.850 χ^2/NDF: 145.5/114

- sign 19.569+/-96.487 χ^2/NDF: 66.9/58

asym_at1_avg_reg_correction_rms vs Slug



Right In: 686.053+/-0.120 χ^2/NDF: 3943291.1/30

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 618.871+/-0.110 χ^2/NDF: 5329558.1/35

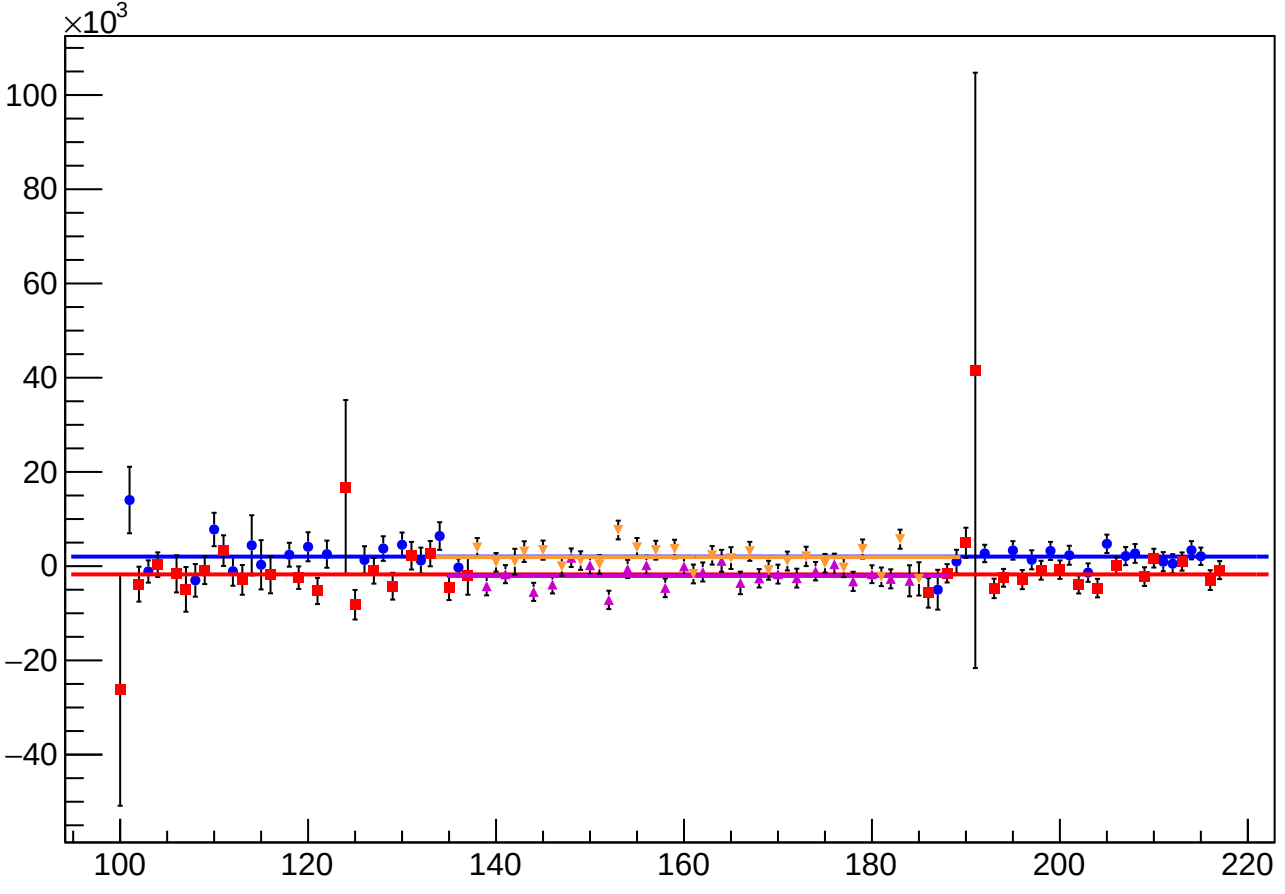
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 521.526+/-0.067 χ^2/NDF: 14658609.5/55

All: 524.668+/-0.048 χ^2/NDF: 27503734.6/11

- sign 527.880+/-0.068 χ^2/NDF: 12840740.8/58

cor_asym_at1_avg_mean vs Slug



Right In: 2027.093+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1747.187+/-419.807 χ^2/NDF: 38.0/35

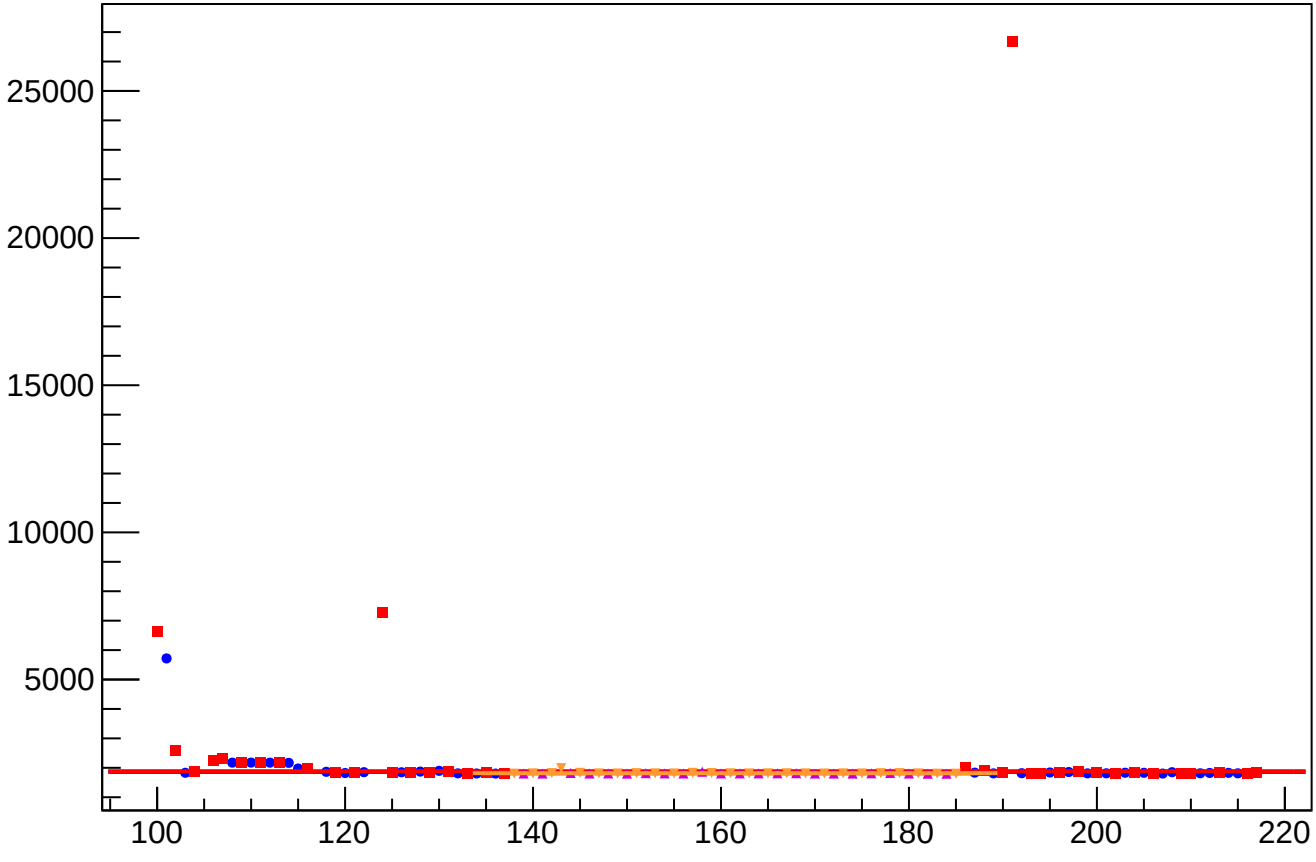
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1971.959+/-297.088 χ^2/NDF: 59.4/55

All: 37.485+/-210.409 χ^2/NDF: 209.3/114

- sign -1909.429+/-298.042 χ^2/NDF: 64.8/58

cor_asym_at1_avg_rms vs Slug



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.0/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

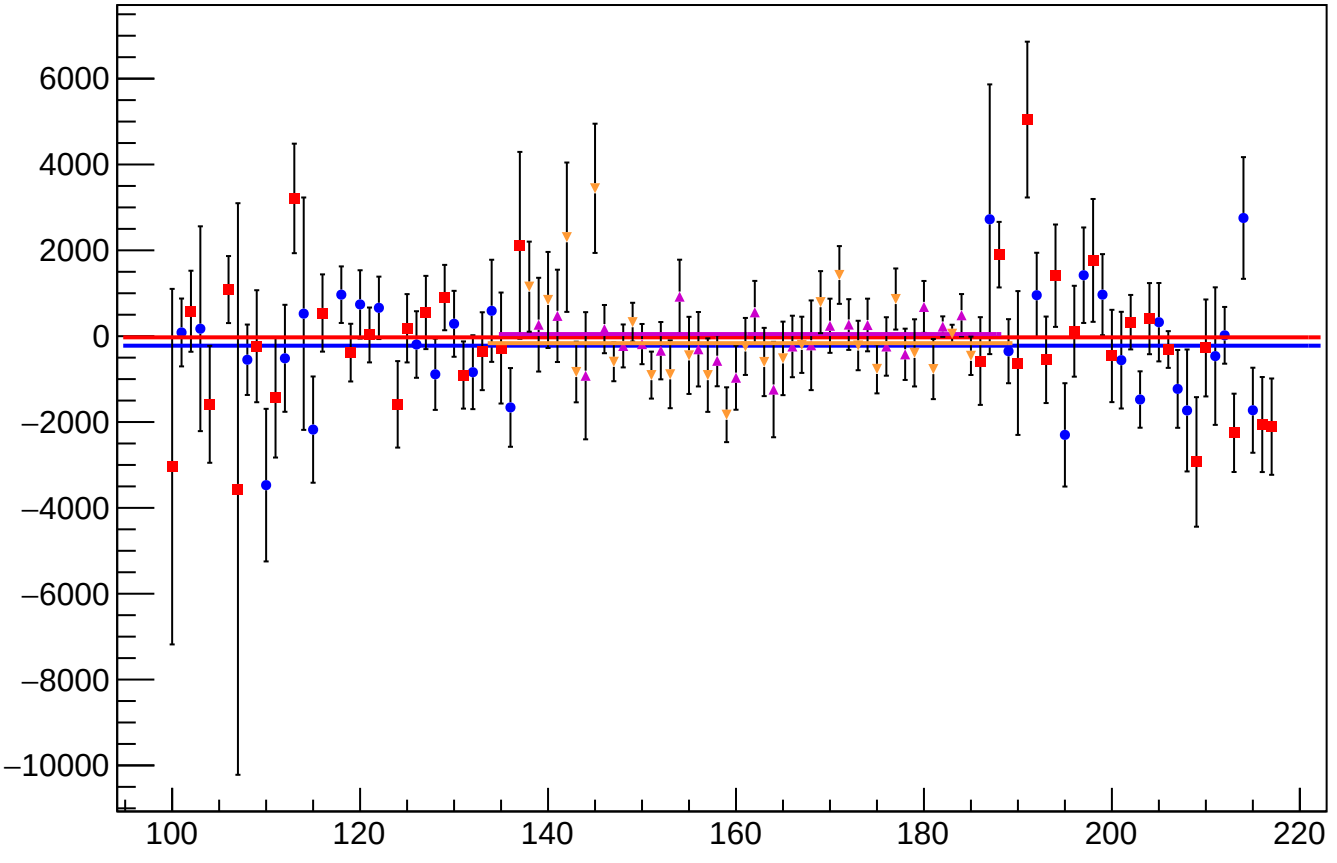
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.499+/-0.210 χ^2/NDF: 695080.4/55

All: 1843.715+/-0.149 χ^2/NDF: 1474673.4/11

- sign 1847.958+/-0.211 χ^2/NDF: 778784.9/58

asym_at1_avg_cor_correction_mean vs Slug



Right In: -221.544+/-170.030 χ^2/NDF: 39.4/30

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -26.823+/-156.153 χ^2/NDF: 55.1/35

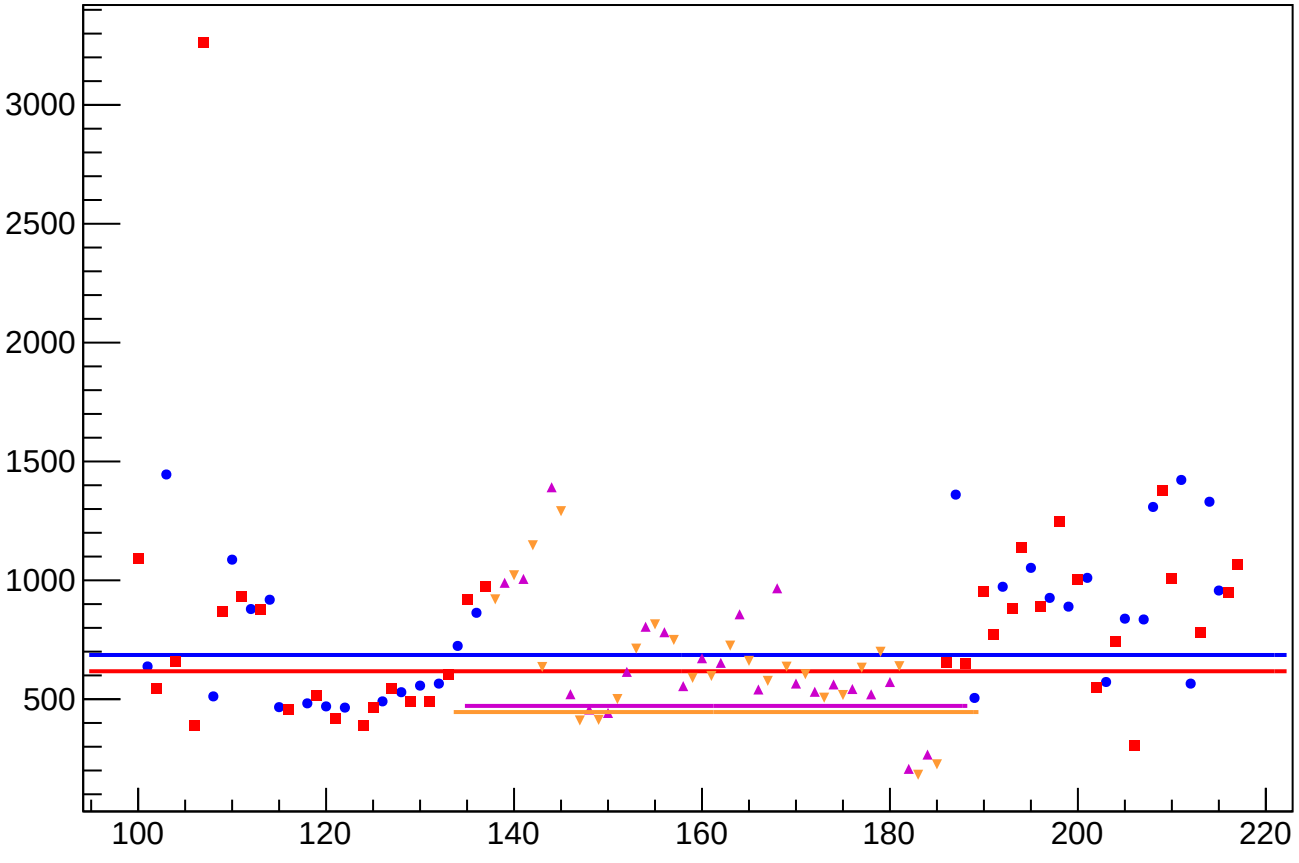
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -181.378+/-95.423 χ^2/NDF: 76.3/55

All: -81.670+/-67.843 χ^2/NDF: 145.1/114

- sign 20.249+/-96.476 χ^2/NDF: 66.6/58

asym_at1_avg_cor_correction_rms vs Slug



Right In: 685.979+/-0.120 χ^2/NDF: 3943815.7/30

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

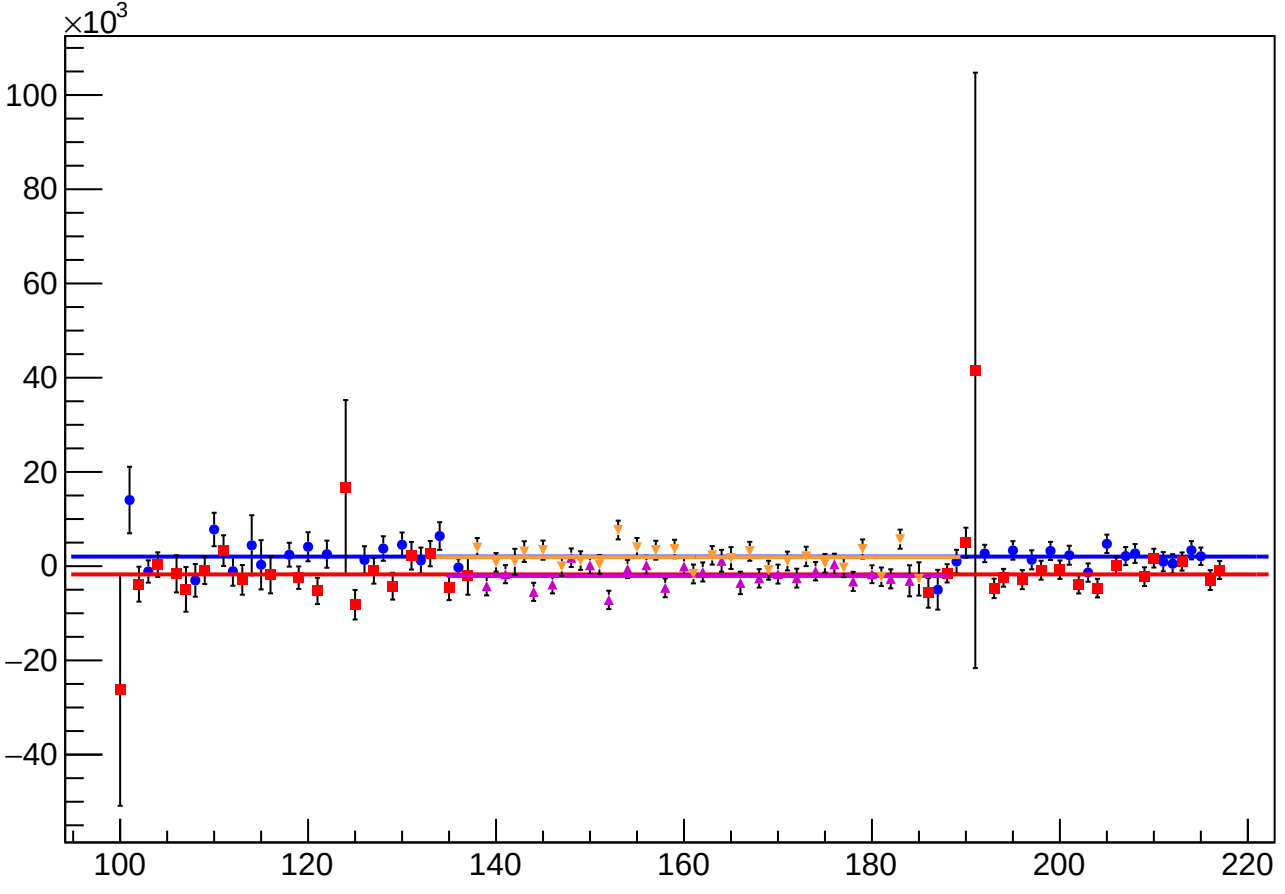
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 521.493+/-0.067 χ^2/NDF: 14659947.4/55

All: 524.411+/-0.048 χ^2/NDF: 27531749.9/11

- sign 527.395+/-0.068 χ^2/NDF: 12868019.6/58

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2027.093+/-427.771 χ^2/NDF: 26.9/30

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1747.187+/-419.807 χ^2/NDF: 38.0/35

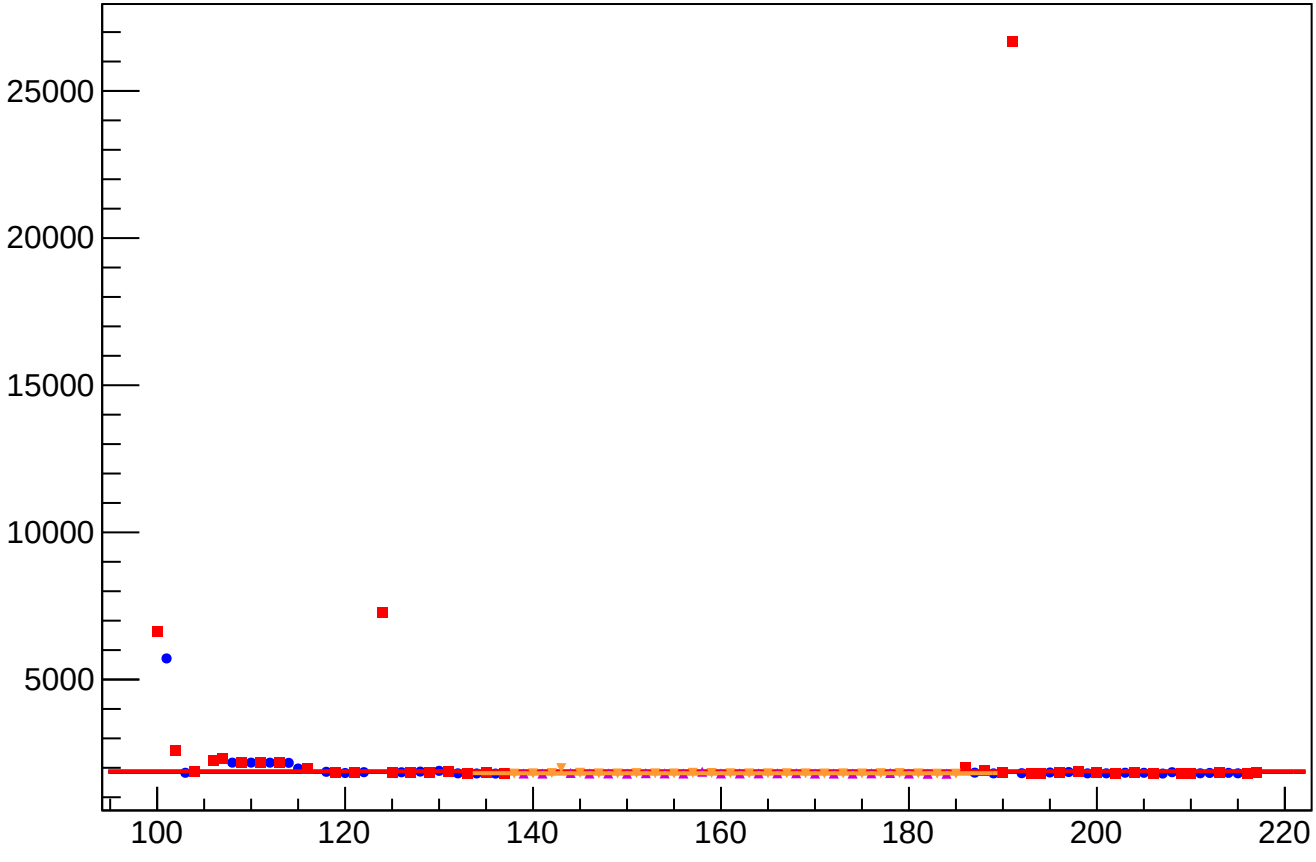
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1971.959+/-297.088 χ^2/NDF: 59.4/55

All: 37.485+/-210.409 χ^2/NDF: 209.3/114

- sign -1909.429+/-298.042 χ^2/NDF: 64.8/58

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1863.084+/-0.302 χ^2/NDF: 670381.0/30

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

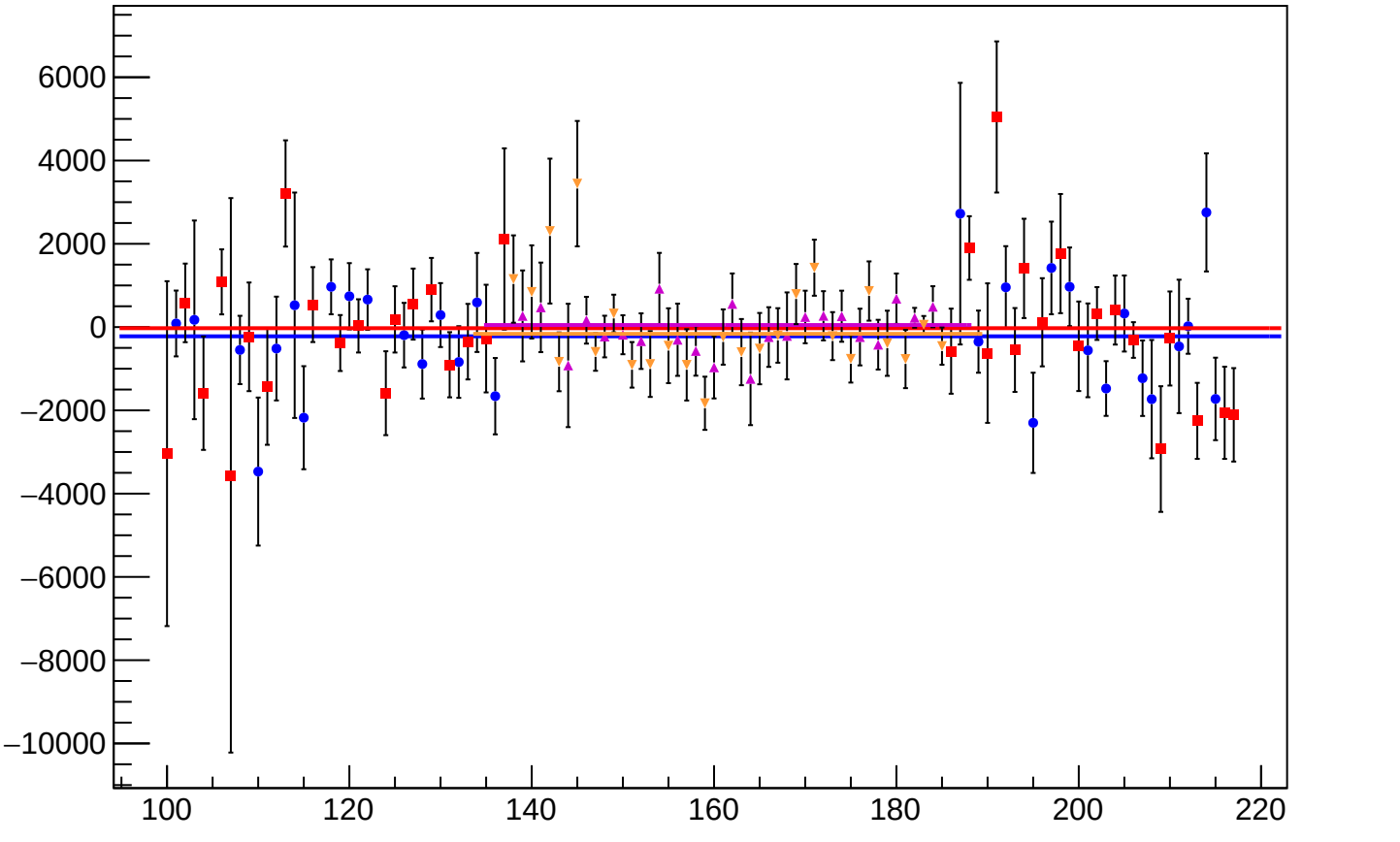
Right Out: 1882.805+/-0.297 χ^2/NDF: 748987.0/35

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1839.499+/-0.210 χ^2/NDF: 695080.4/55

All: 1843.715+/-0.149 χ^2/NDF: 1474673.4/11

- sign 1847.958+/-0.211 χ^2/NDF: 778784.9/58



Right In: -221.544+/-170.030 χ^2/NDF: 39.4/30

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

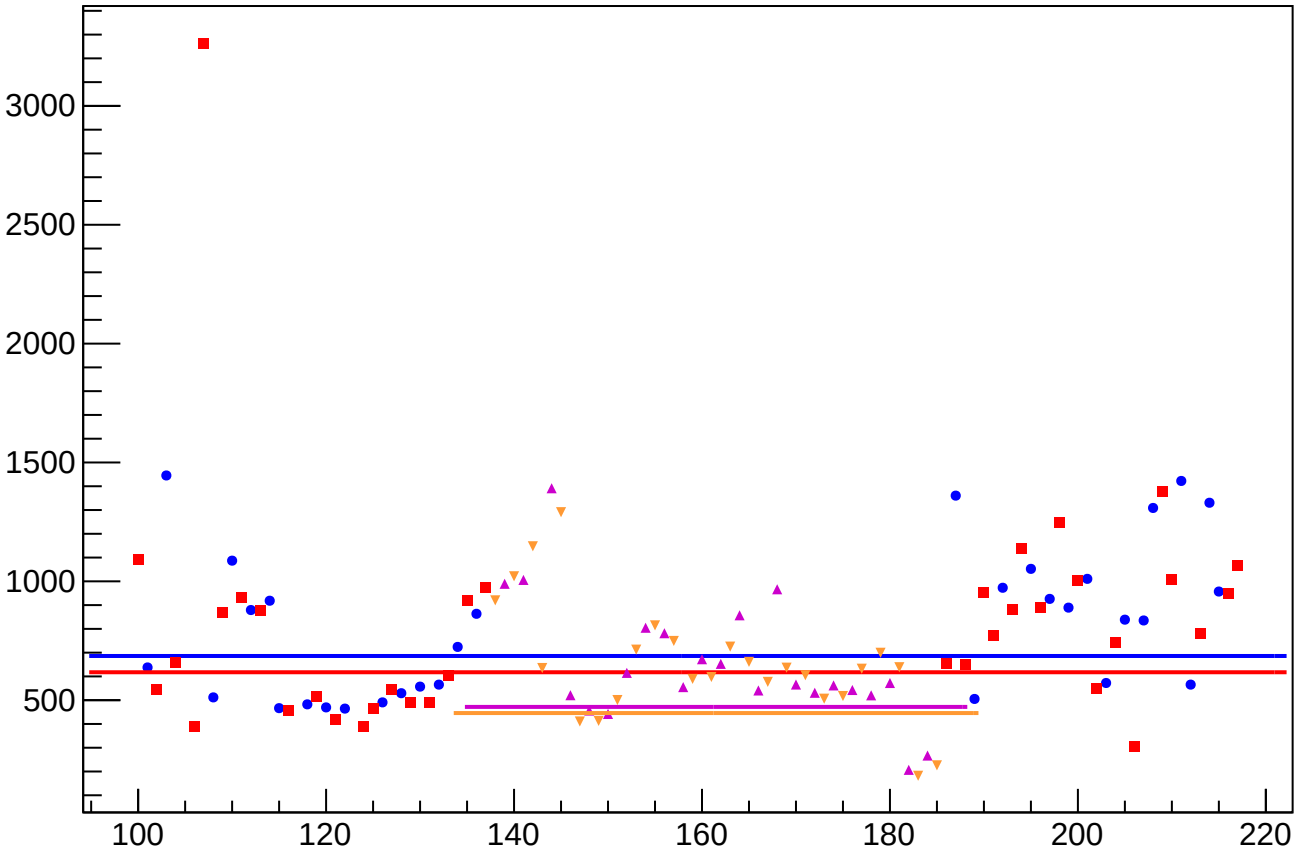
Right Out: -26.823+/-156.153 χ^2/NDF: 55.1/35

Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -181.378+/-95.423 χ^2/NDF: 76.3/55

All: -81.670+/-67.843 χ^2/NDF: 145.1/114

- sign 20.249+/-96.476 χ^2/NDF: 66.6/58



Right In: 685.979+/-0.120 χ^2/NDF: 3943815.7/30

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

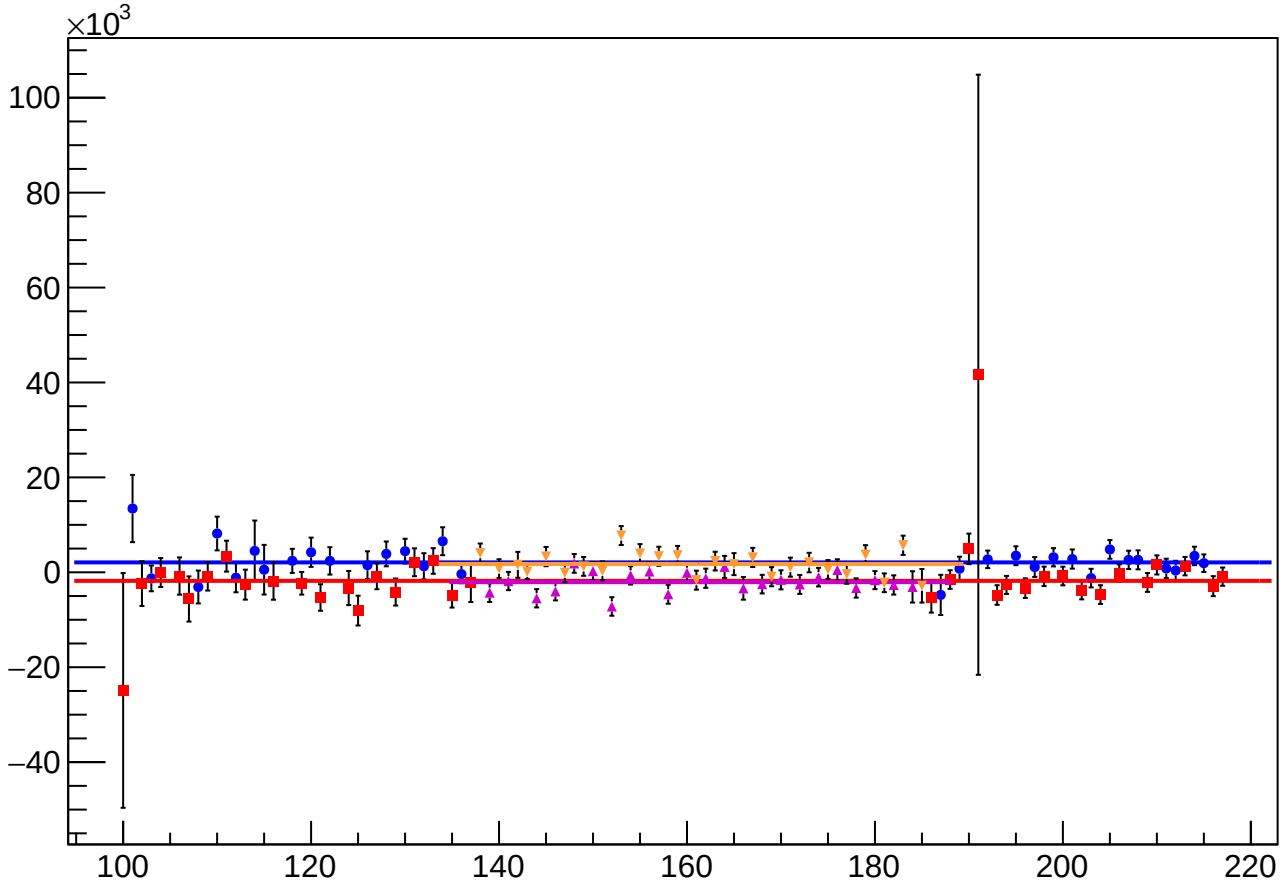
Right Out: 617.515+/-0.110 χ^2/NDF: 5376914.5/35

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 521.493+/-0.067 χ^2/NDF: 14659947.4/55

All: 524.411+/-0.048 χ^2/NDF: 27531749.9/11

- sign 527.395+/-0.068 χ^2/NDF: 12868019.6/58



Right In: 2086.977+/-431.526 χ^2/NDF: 27.2/30

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1803.792+/-421.924 χ^2/NDF: 36.1/35

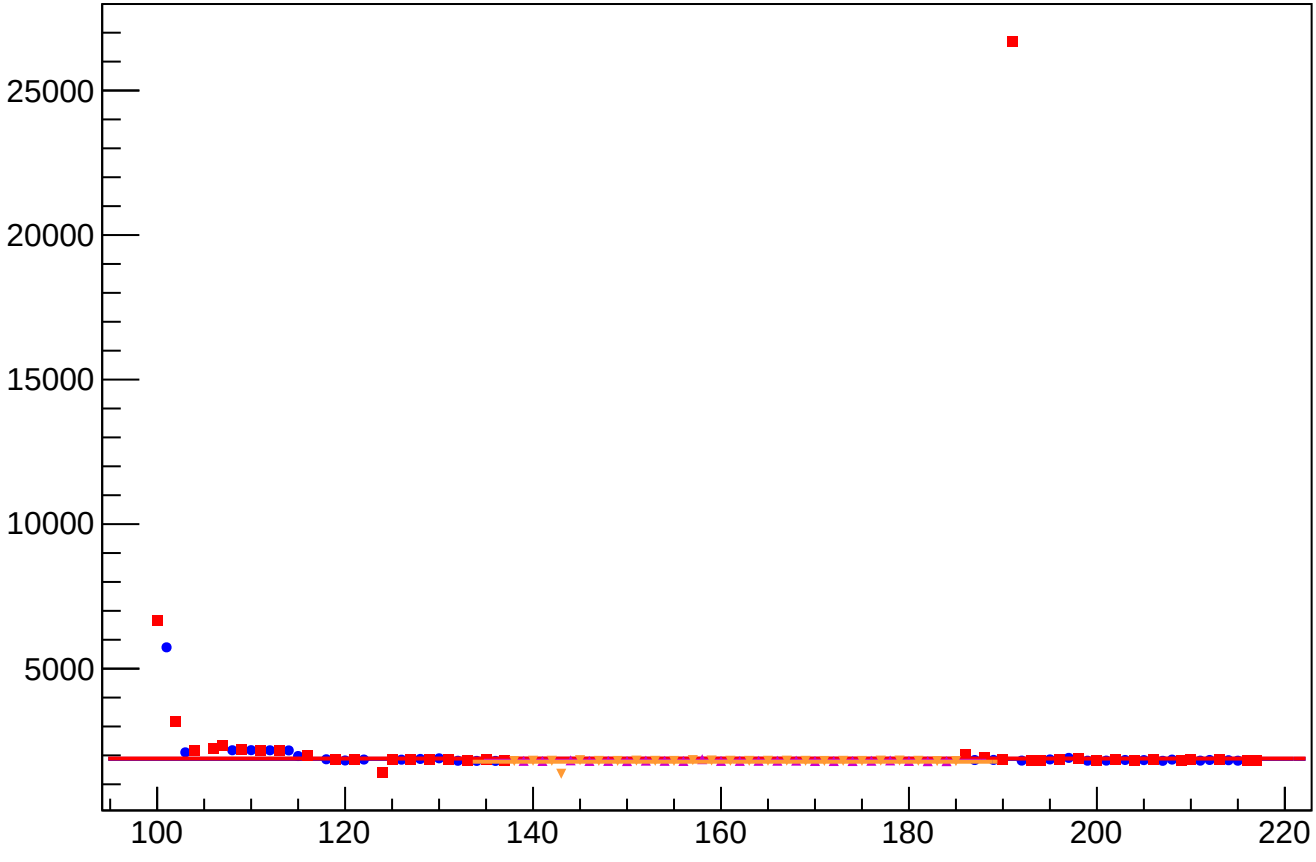
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1910.898+/-295.466 χ^2/NDF: 61.3/55

All: 8.991+/-210.148 χ^2/NDF: 208.4/114

- sign -1938.066+/-298.953 χ^2/NDF: 63.3/58

dit_asym_at1_avg_rms vs Slug



Right In: 1878.909+/-0.305 χ^2/NDF: 683203.1/30

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1891.100+/-0.298 χ^2/NDF: 702785.5/35

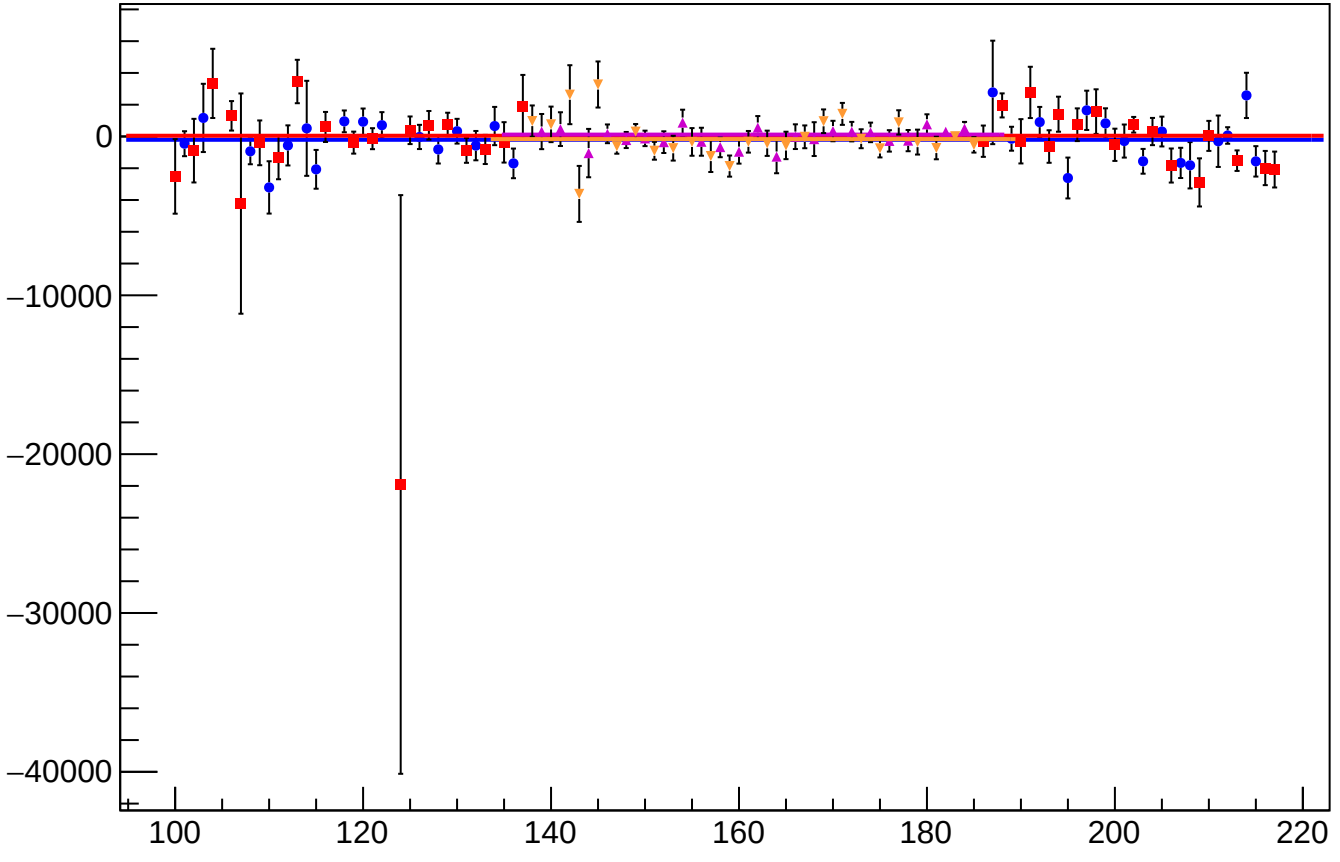
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.855+/-0.209 χ^2/NDF: 902927.3/55

All: 1839.736+/-0.149 χ^2/NDF: 1648382.0/11

- sign 1852.923+/-0.211 χ^2/NDF: 737762.0/58

asym_at1_avg_dit_correction_mean vs Slug



Right In: -209.069+/-171.322 χ^2/NDF: 39.4/30

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 45.677+/-164.973 χ^2/NDF: 55.4/35

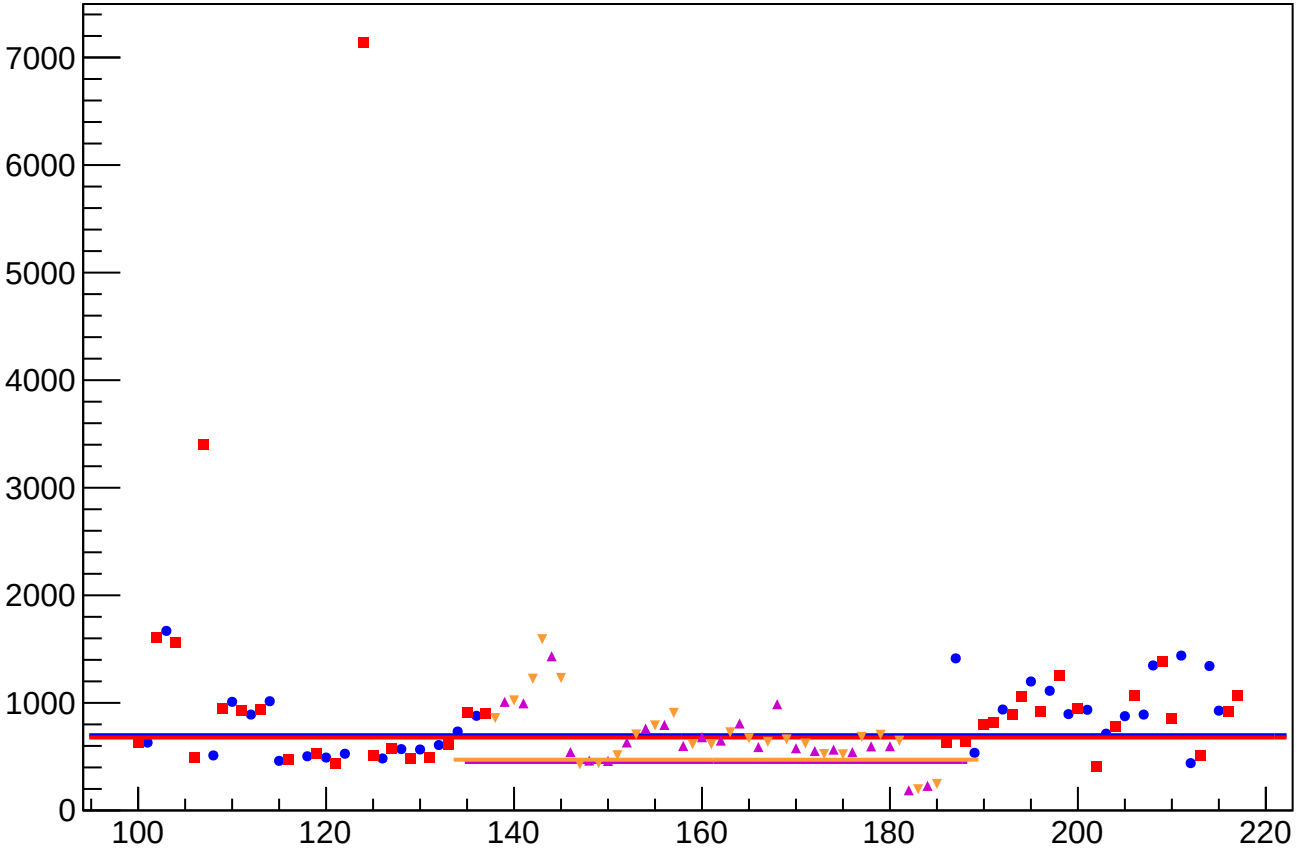
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -181.702+/-99.177 χ^2/NDF: 77.8/55

All: -41.439+/-69.318 χ^2/NDF: 149.6/114

- sign 92.520+/-96.922 χ^2/NDF: 67.9/58

asym_at1_avg_dit_correction_rms vs Slug



Right In: 699.617+/-0.121 χ^2/NDF: 4492301.5/30

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

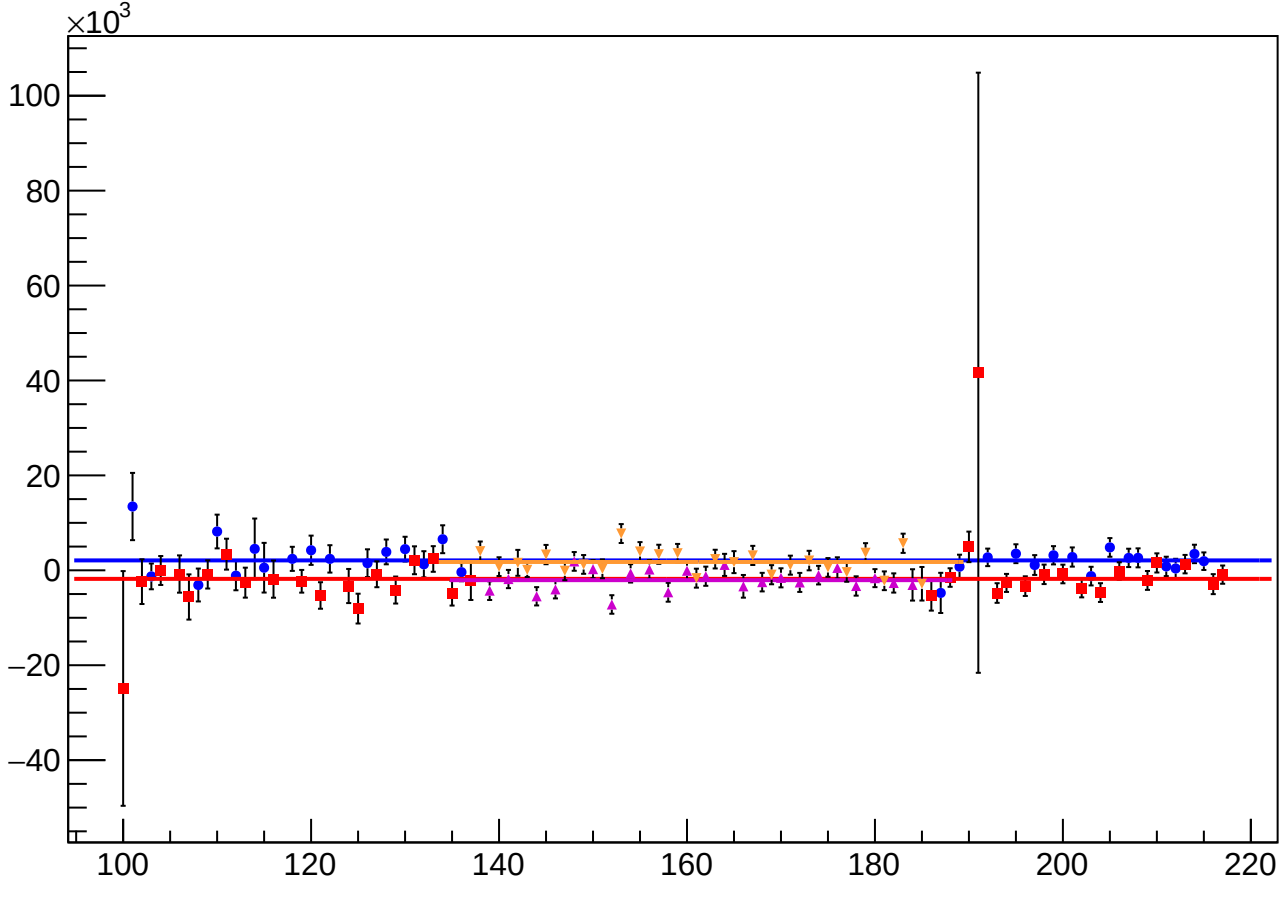
Right Out: 678.013+/-0.117 χ^2/NDF: 5361214.2/35

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 548.129+/-0.070 χ^2/NDF: 14956836.1/55

All: 538.410+/-0.049 χ^2/NDF: 30771501.5/11

- sign 529.128+/-0.069 χ^2/NDF: 15777114.3/58



Right In: 2086.976+/-431.526 χ^2/NDF: 27.2/30

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1803.791+/-421.924 χ^2/NDF: 36.1/35

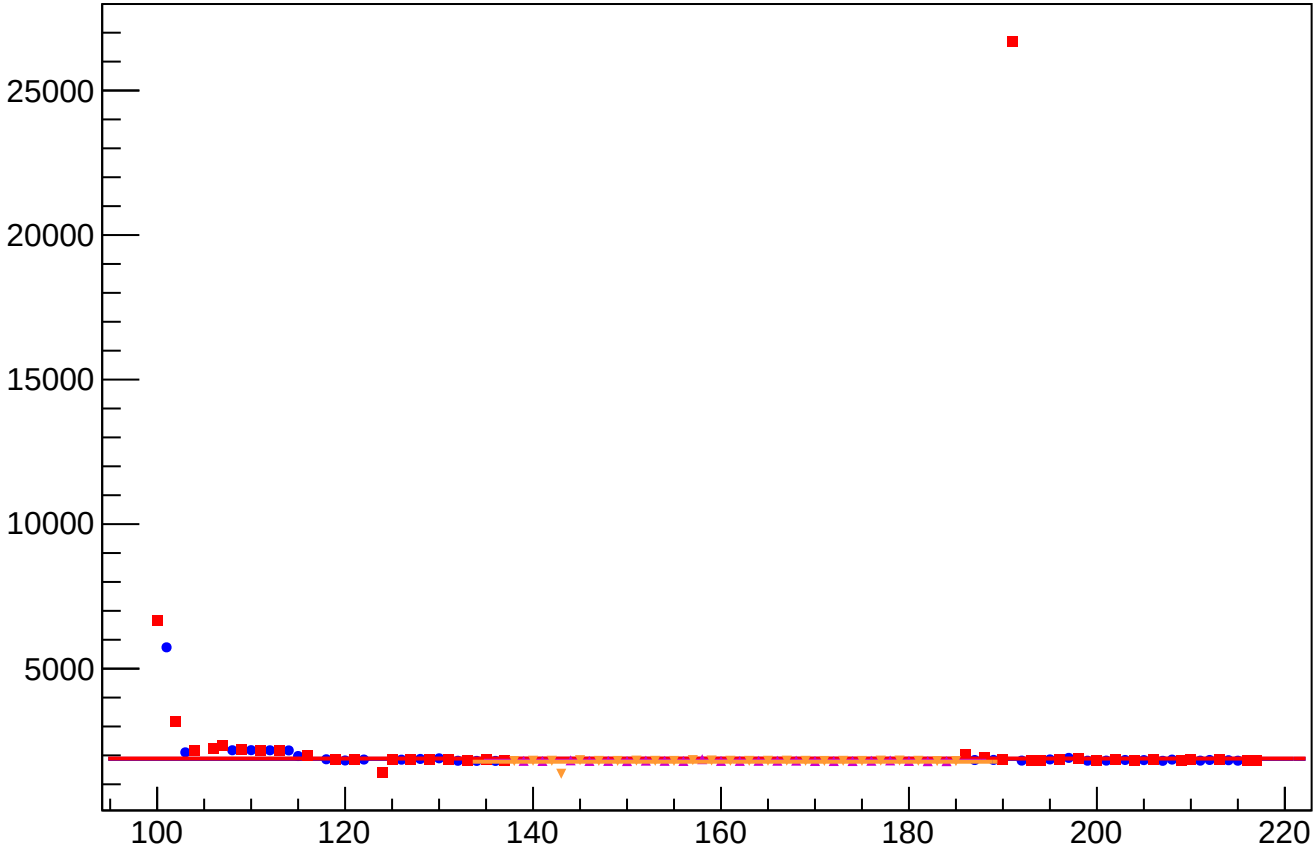
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1910.898+/-295.466 χ^2/NDF: 61.3/55

All: 8.991+/-210.148 χ^2/NDF: 208.4/114

- sign -1938.066+/-298.953 χ^2/NDF: 63.3/58

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1878.909+/-0.305 χ^2/NDF: 683202.6/30

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

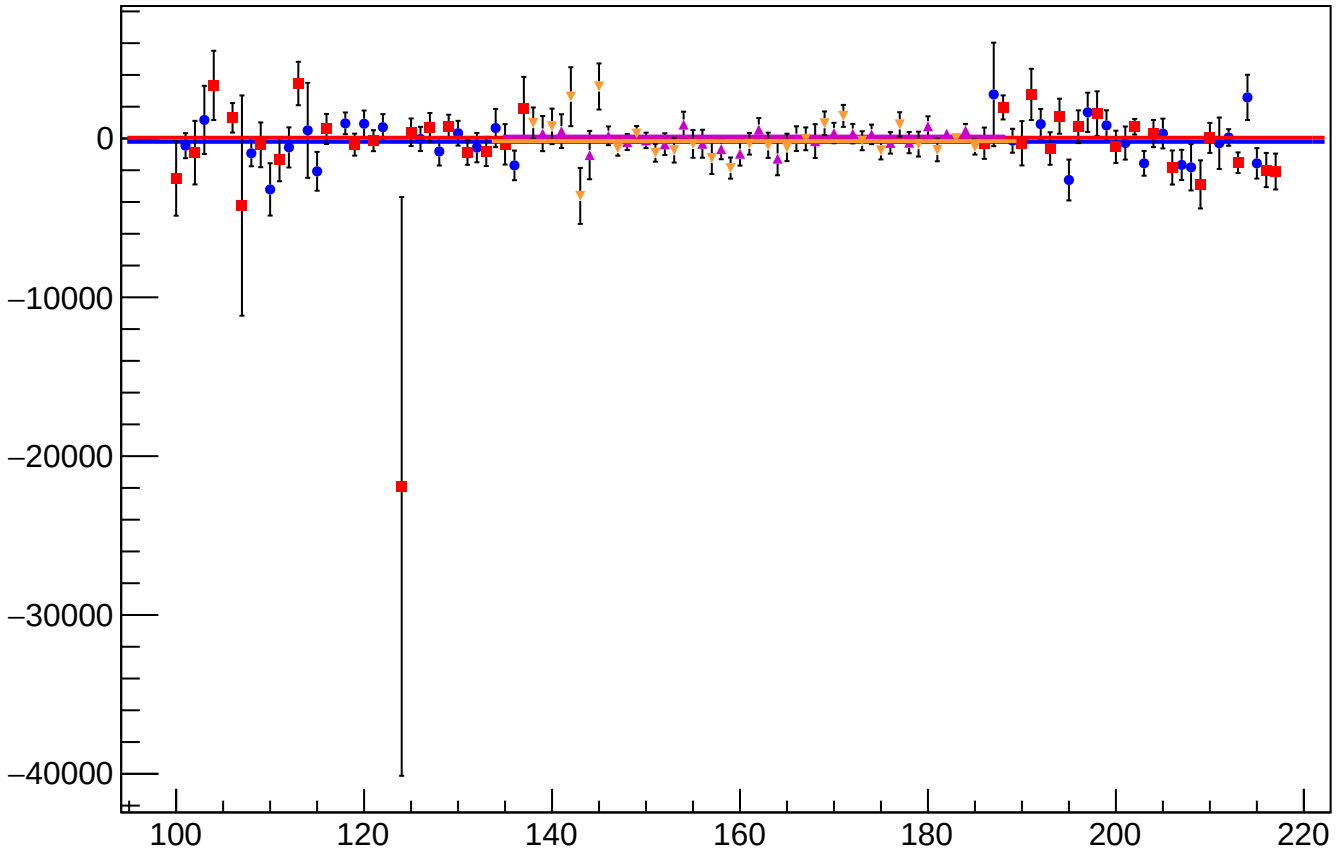
Right Out: 1891.100+/-0.298 χ^2/NDF: 702784.1/35

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.855+/-0.209 χ^2/NDF: 902926.8/55

All: 1839.736+/-0.149 χ^2/NDF: 1648379.9/11

- sign 1852.923+/-0.211 χ^2/NDF: 737760.5/58



Right In: -209.069+/-171.322 χ^2/NDF: 39.4/30

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 45.677+/-164.973 χ^2/NDF: 55.4/35

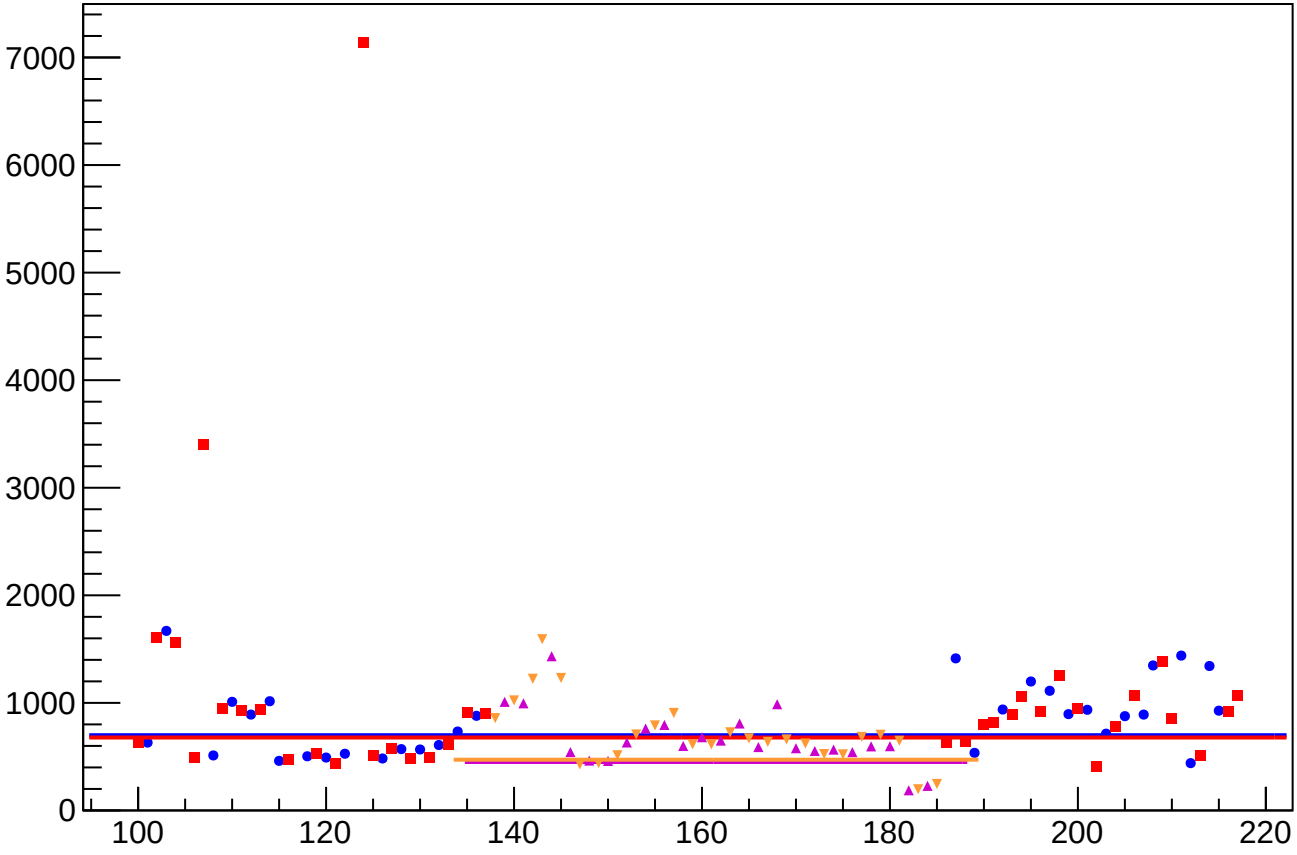
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -181.703+/-99.177 χ^2/NDF: 77.8/55

All: -41.439+/-69.318 χ^2/NDF: 149.6/114

- sign 92.520+/-96.922 χ^2/NDF: 67.9/58

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 699.617+/-0.121 χ^2/NDF: 4492332.1/30

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 678.013+/-0.117 χ^2/NDF: 5361232.1/35

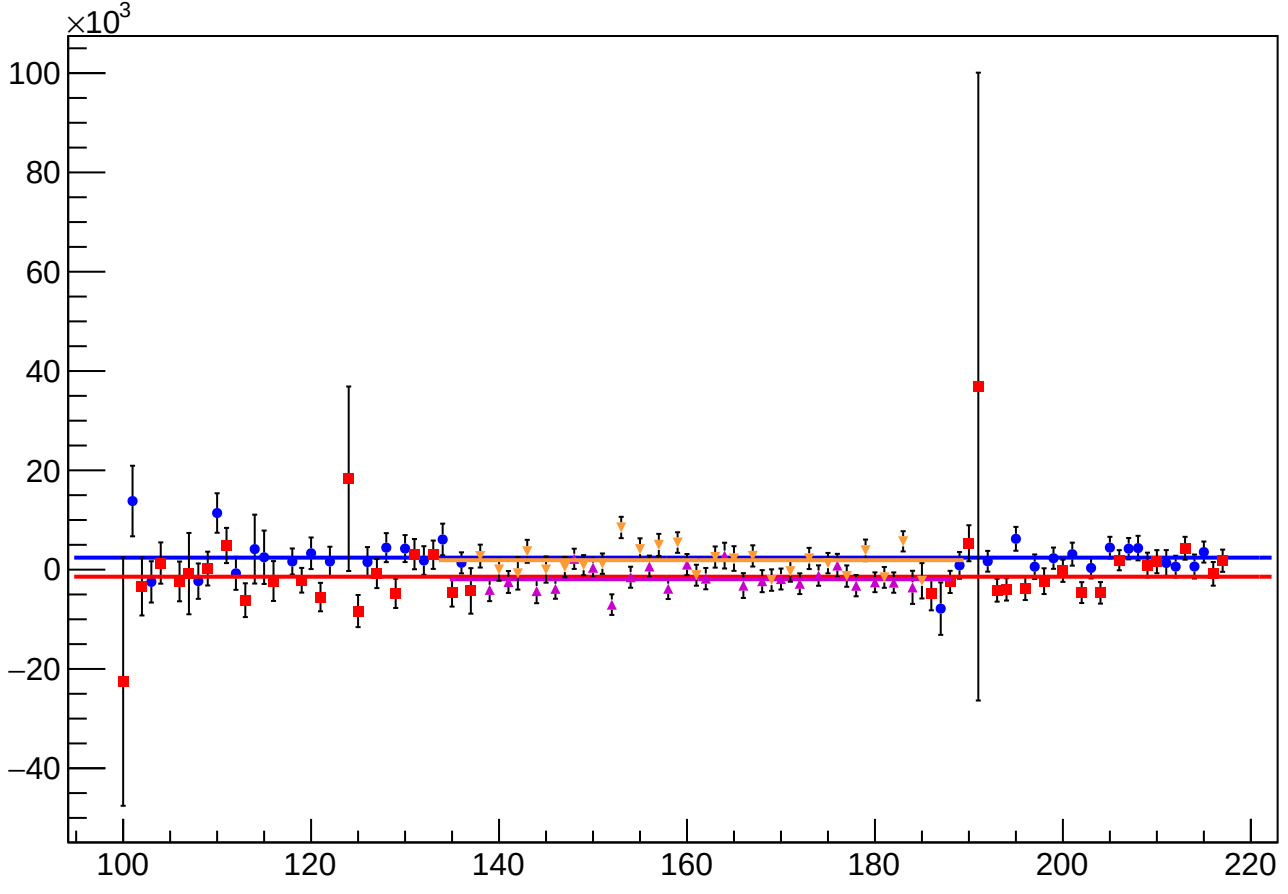
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 548.130+/-0.070 χ^2/NDF: 14956839.9/55

All: 538.411+/-0.049 χ^2/NDF: 30771484.3/11

- sign 529.129+/-0.069 χ^2/NDF: 15777094.6/58

asym_at1_avg_mean vs Slug



Right In: 2418.014+/-485.908 χ^2/NDF: 26.8/30

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1419.464+/-478.722 χ^2/NDF: 49.3/35

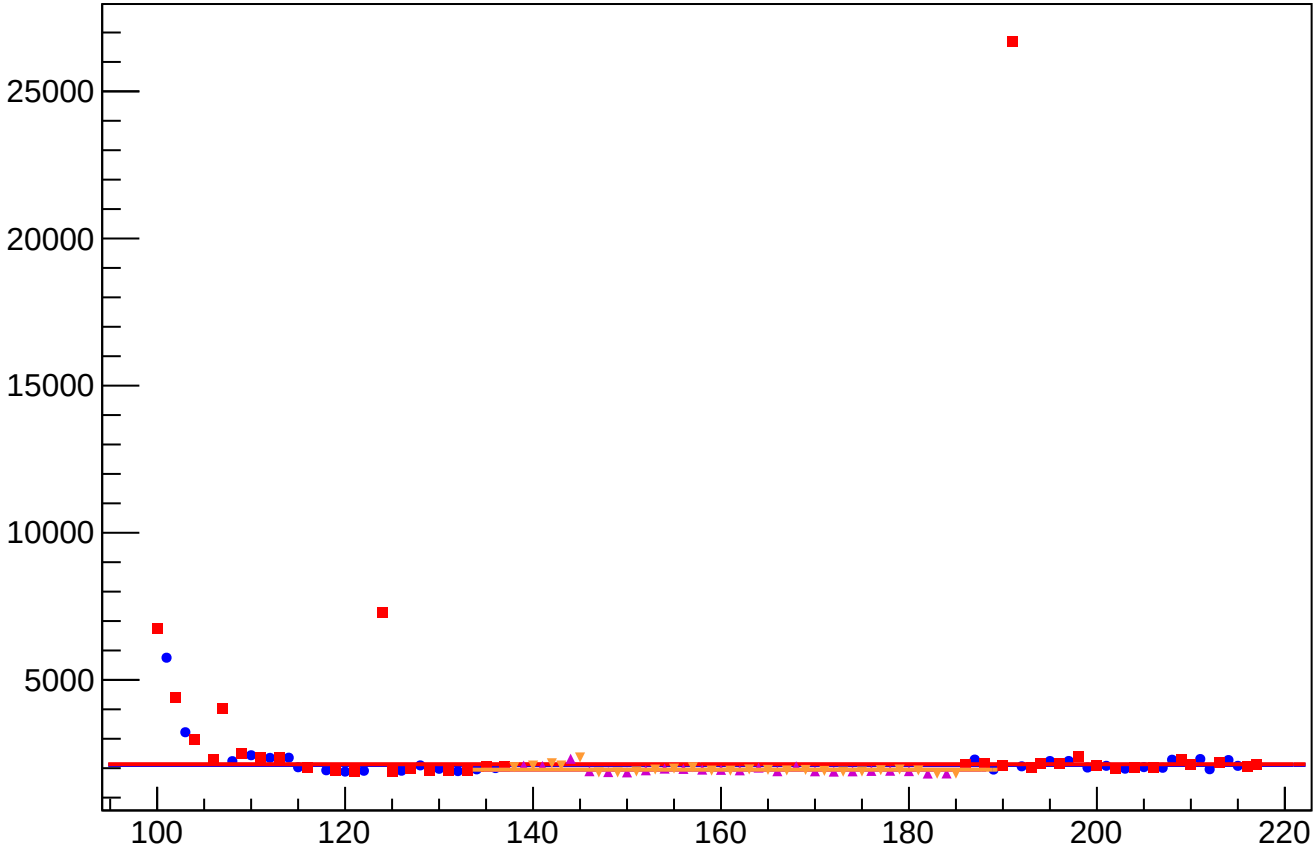
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2139.453+/-327.580 χ^2/NDF: 63.7/55

All: 239.408+/-232.399 χ^2/NDF: 206.1/114

- sign -1685.959+/-329.755 χ^2/NDF: 74.7/58

asym_at1_avg_rms vs Slug



Right In: 2109.289+/-0.344 χ^2/NDF: 840753.7/30

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

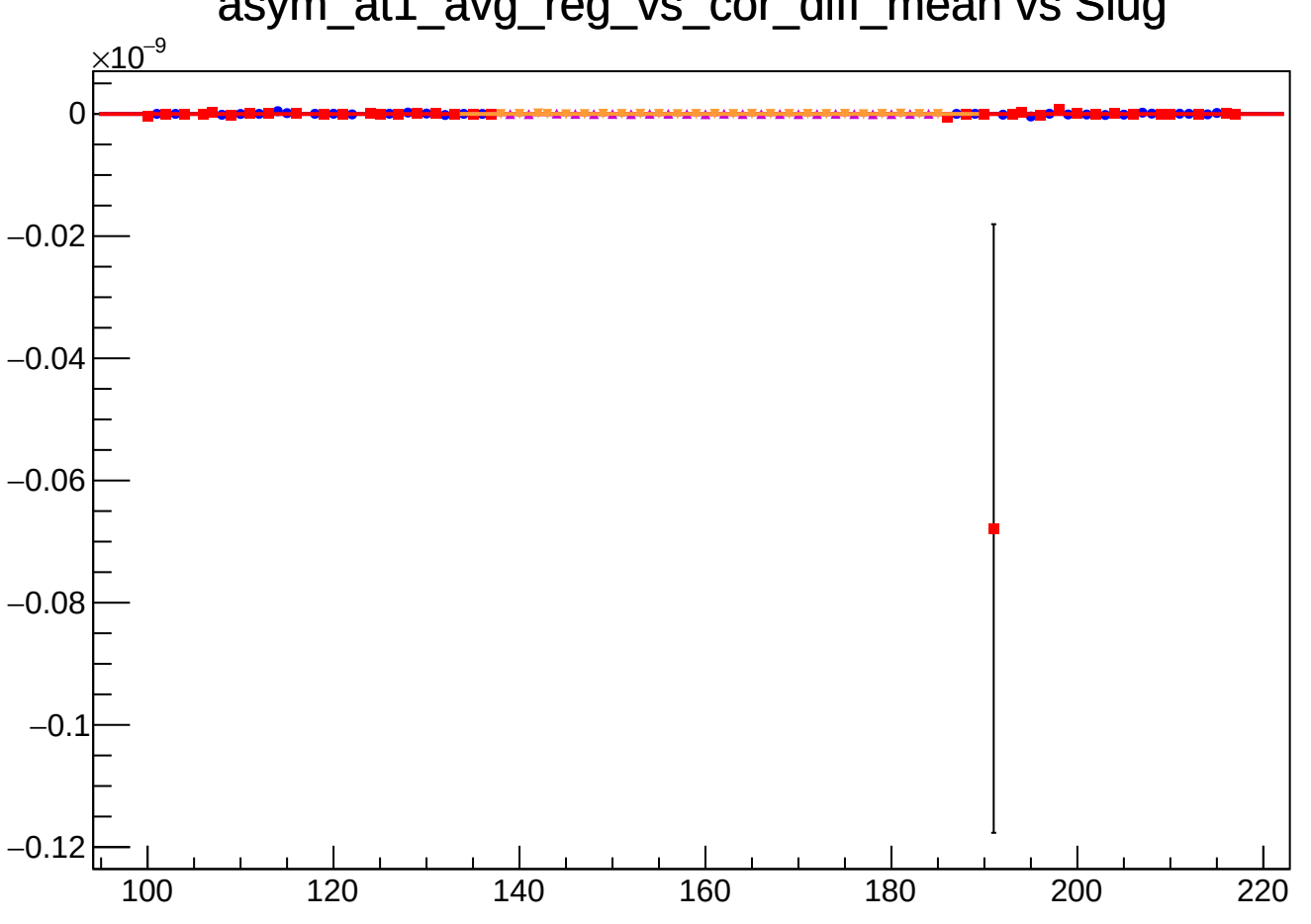
Right Out: 2135.739+/-0.339 χ^2/NDF: 1189834.4/35

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2021.851+/-0.232 χ^2/NDF: 1067998.3/55

All: 2028.666+/-0.164 χ^2/NDF: 2522152.1/11

- sign 2035.571+/-0.233 χ^2/NDF: 1452411.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/35

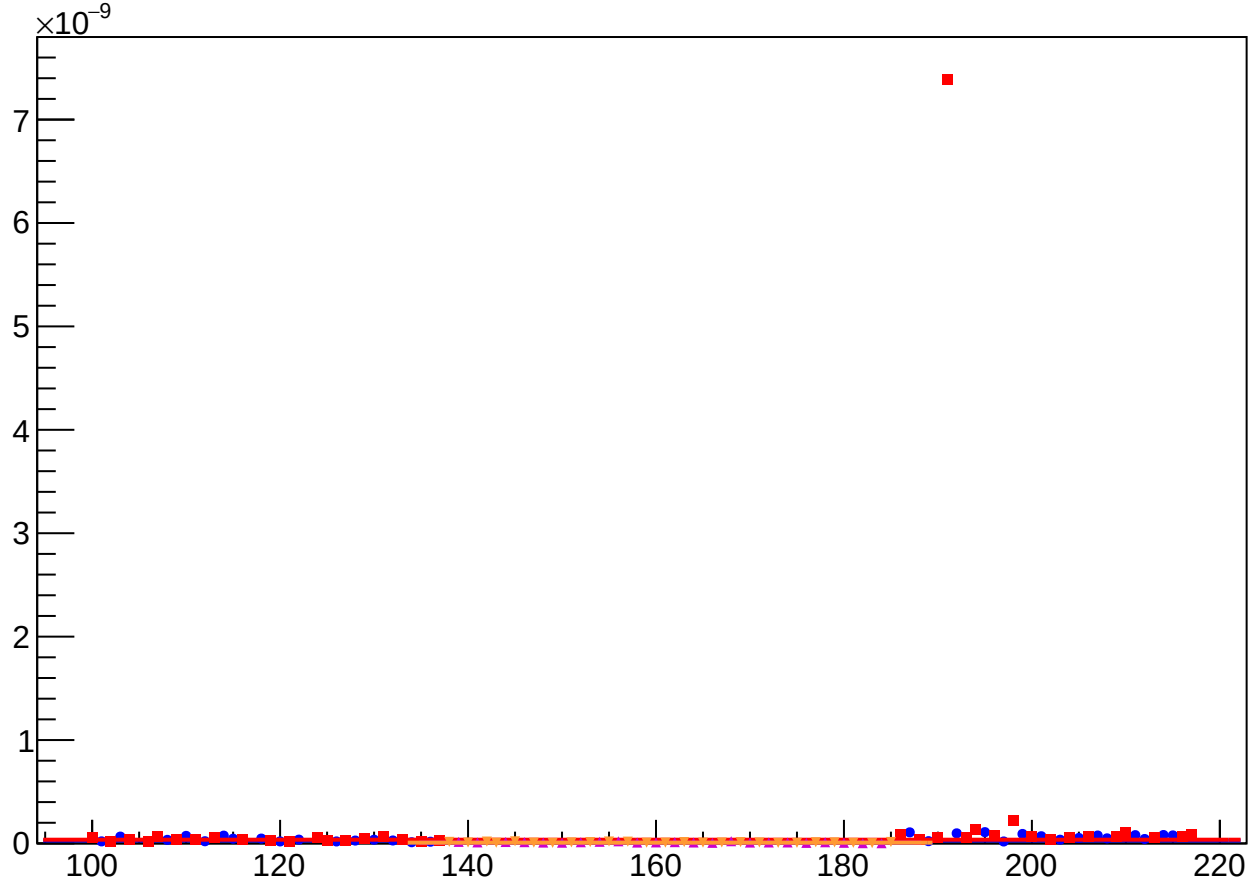
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/55

All: 0.000+/-0.000 χ^2/NDF: 128.8/114

- sign 0.000+/-0.000 χ^2/NDF: 63.9/58

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4664232.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4147294.8/35

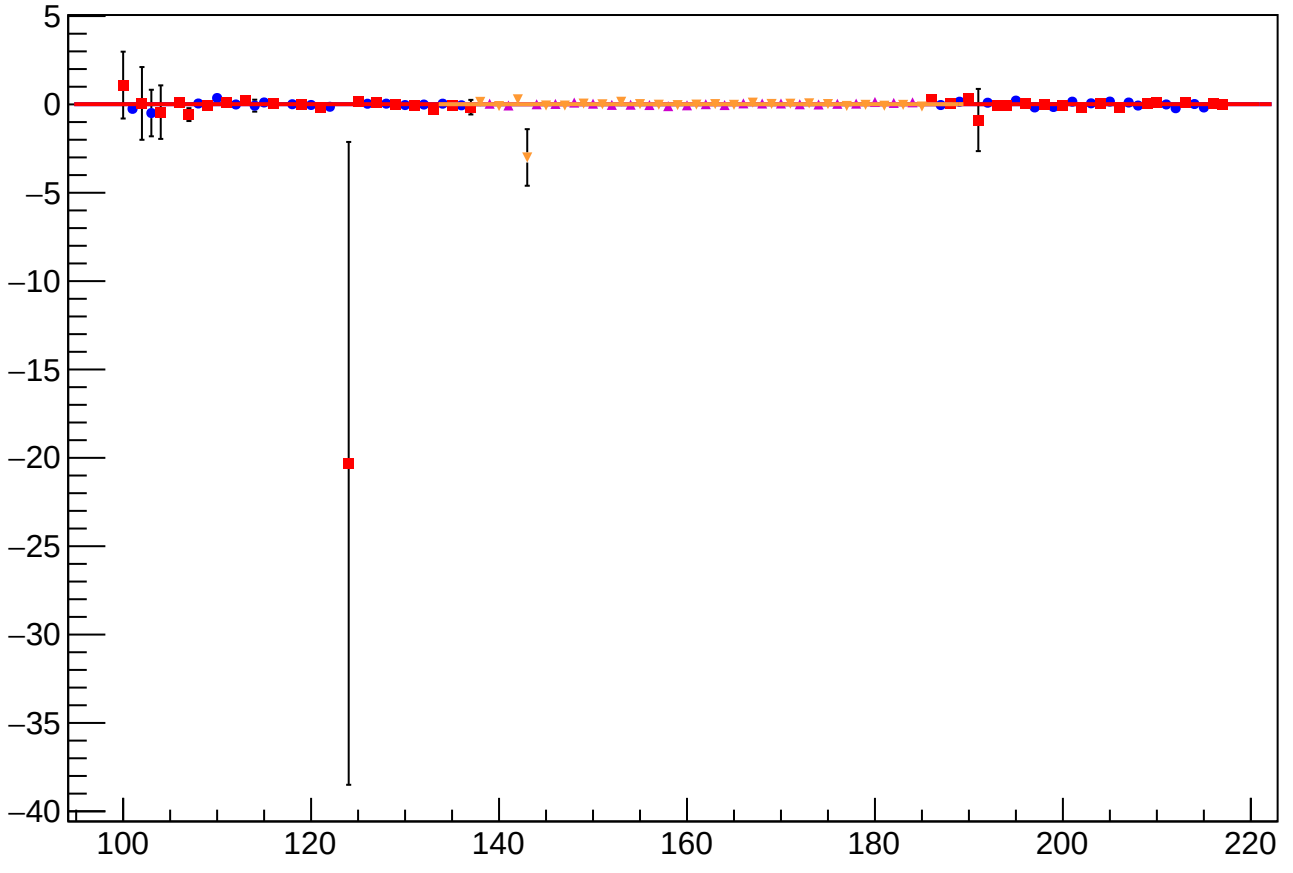
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11847231.6/55

All: 0.000+/-0.000 χ^2/NDF: 25199795.3/114

- sign 0.000+/-0.000 χ^2/NDF: 13350530.4/58

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

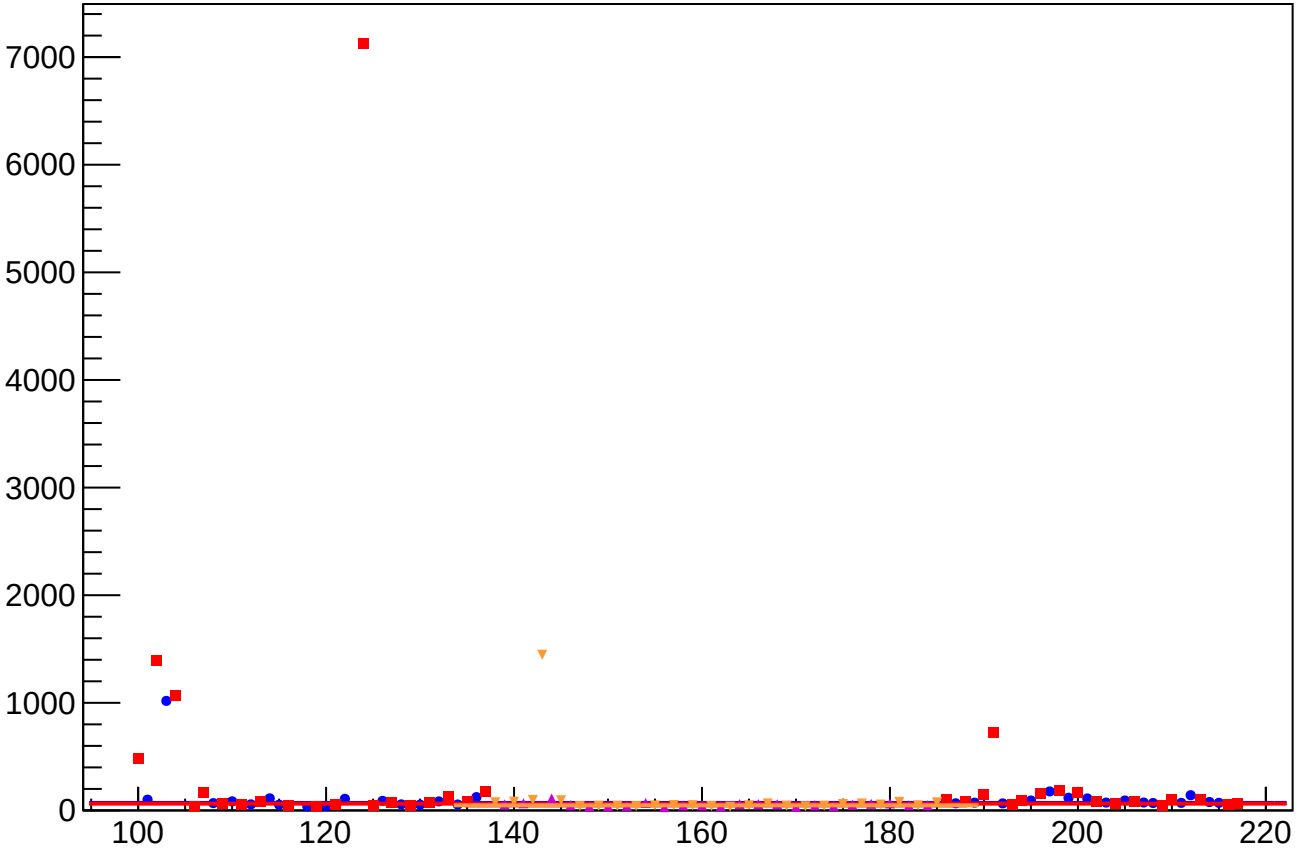
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 60.7/55

All: 0.014+/-0.007 χ^2/NDF: 113.0/114

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.910+/-0.013 χ^2/NDF: 4230263.8/30

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

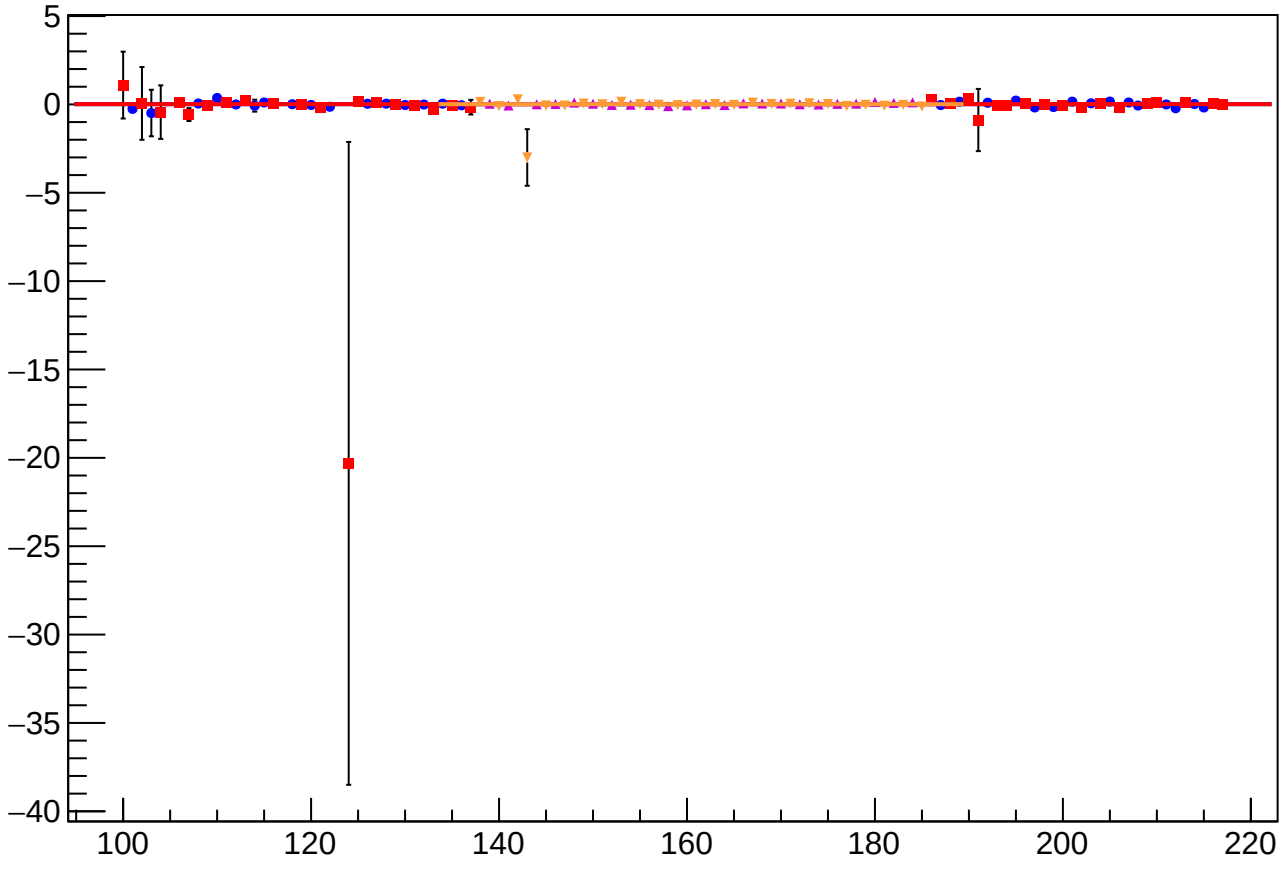
Right Out: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.557+/-0.007 χ^2/NDF: 9619284.0/55

All: 53.323+/-0.005 χ^2/NDF: 19602319.4/114

- sign 52.168+/-0.007 χ^2/NDF: 9928484.8/58



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

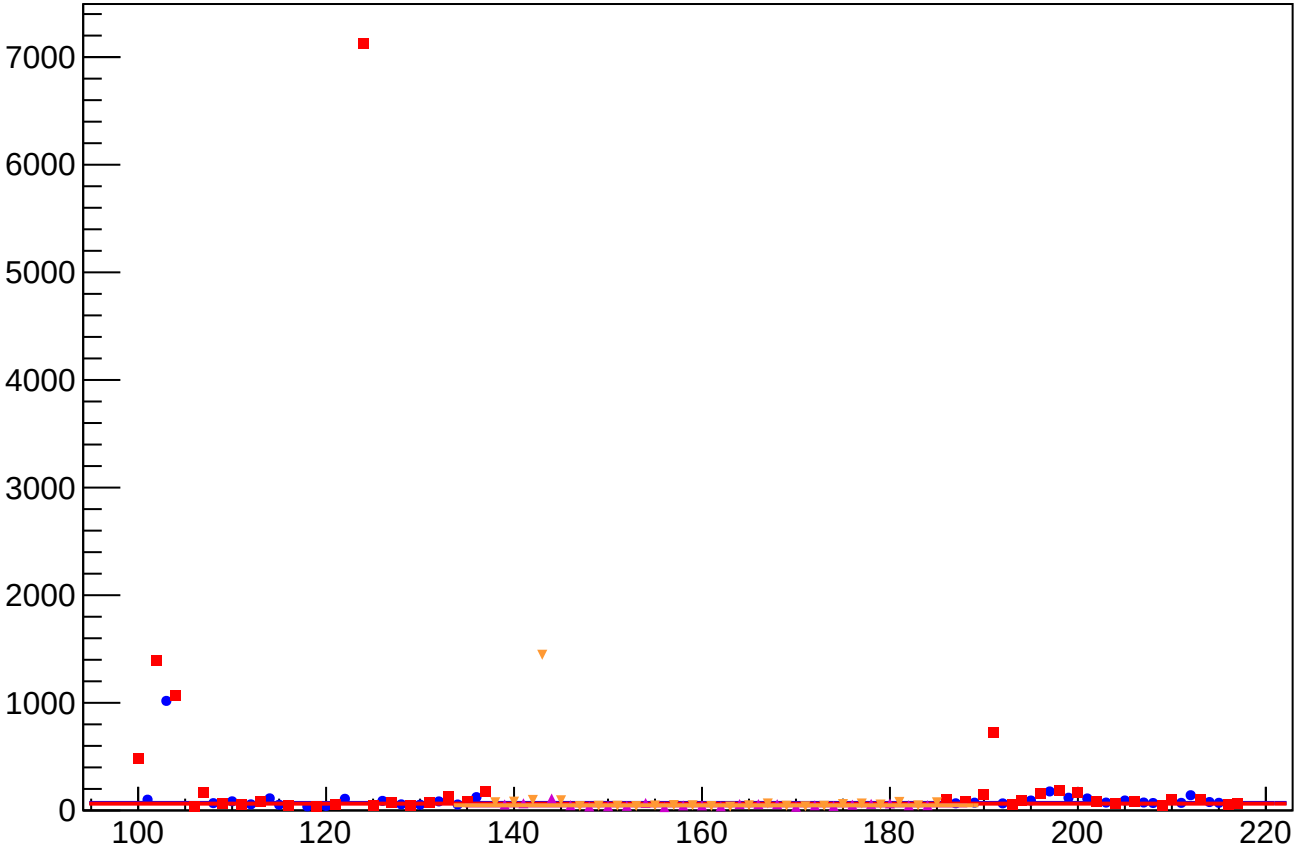
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 60.7/55

All: 0.014+/-0.007 χ^2/NDF: 113.0/114

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.910+/-0.013 χ^2/NDF: 4230263.8/30

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

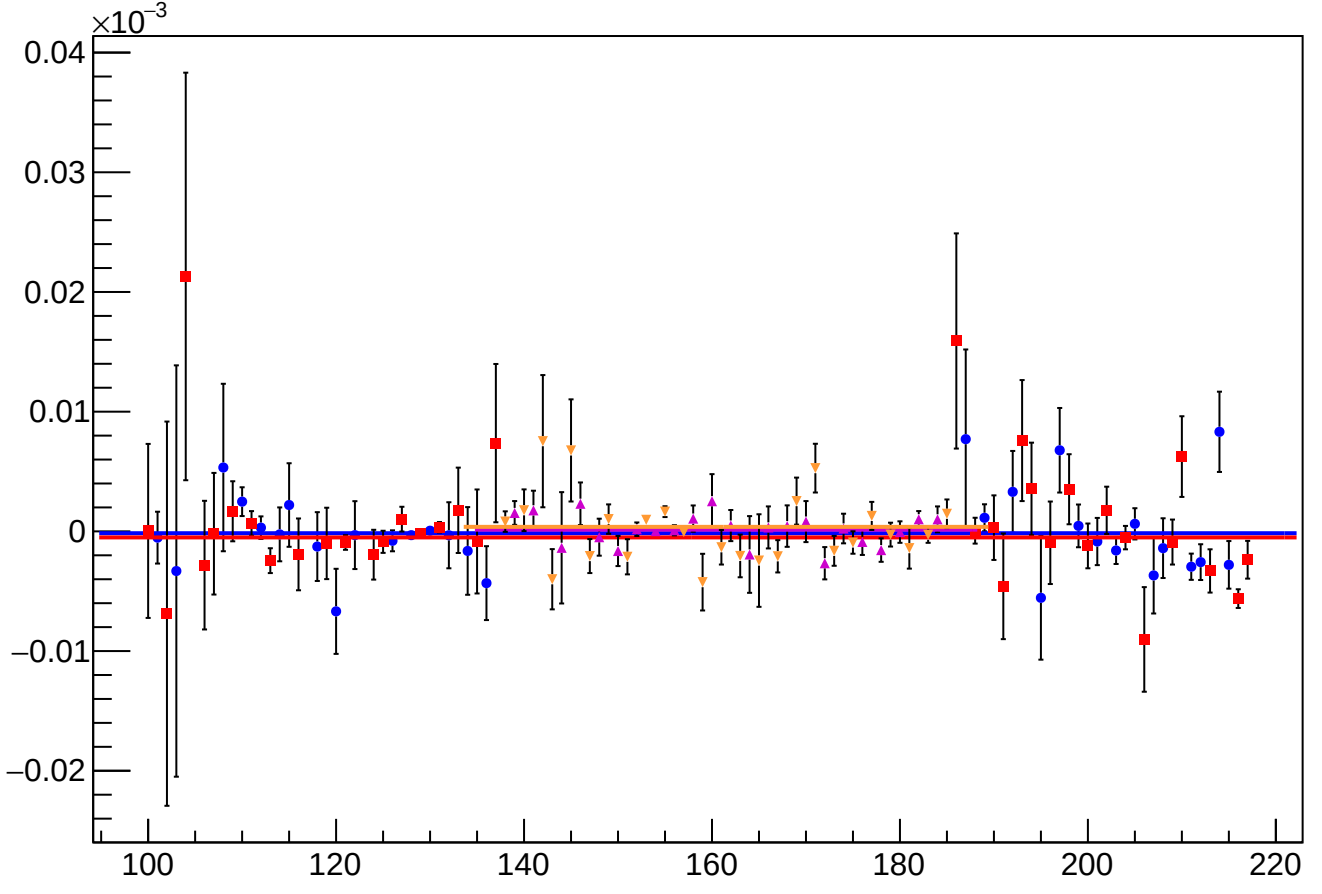
Right Out: 63.295+/-0.012 χ^2/NDF: 6795619.3/35

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.557+/-0.007 χ^2/NDF: 9619284.0/55

All: 53.323+/-0.005 χ^2/NDF: 19602319.4/114

- sign 52.168+/-0.007 χ^2/NDF: 9928484.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

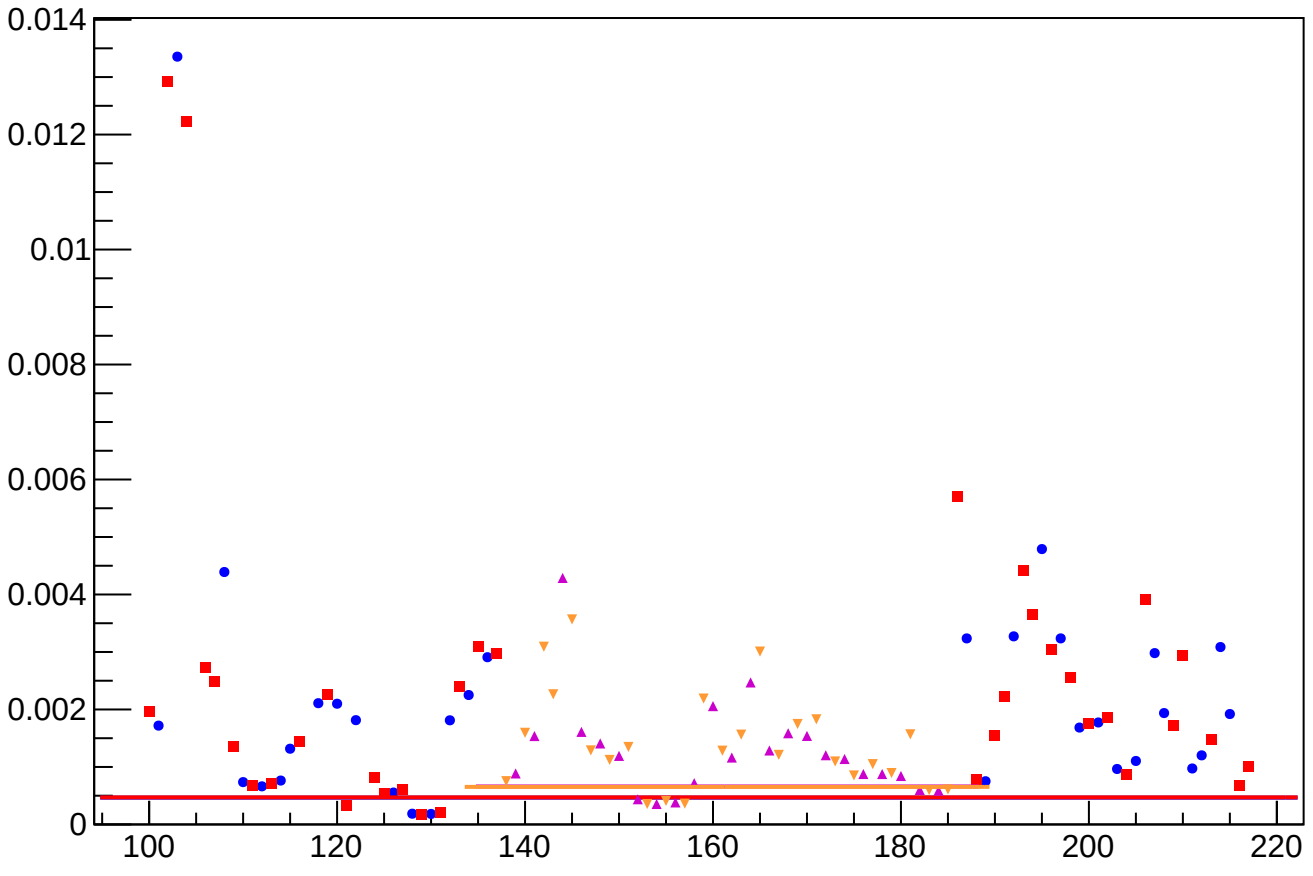
Right Out: -0.000+/-0.000 χ^2/NDF: 84.1/35

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.5/55

All: -0.000+/-0.000 χ^2/NDF: 211.8/114

- sign -0.000+/-0.000 χ^2/NDF: 110.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 22296670.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

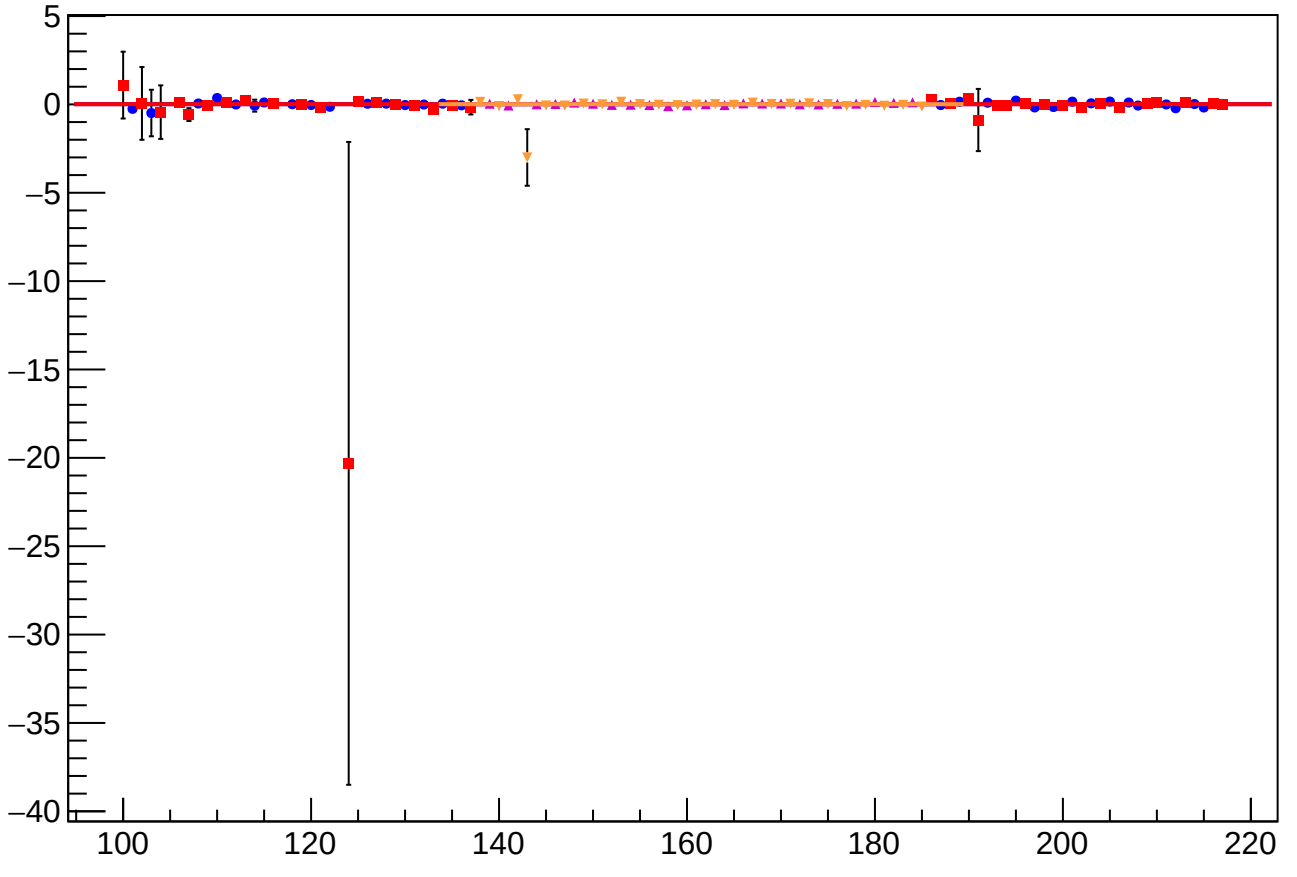
Right Out: 0.000+/-0.000 χ^2/NDF: 21895090.5/35

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 35459013.5/55

All: 0.001+/-0.000 χ^2/NDF: 68141546.0/114

- sign 0.001+/-0.000 χ^2/NDF: 32682410.6/58



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

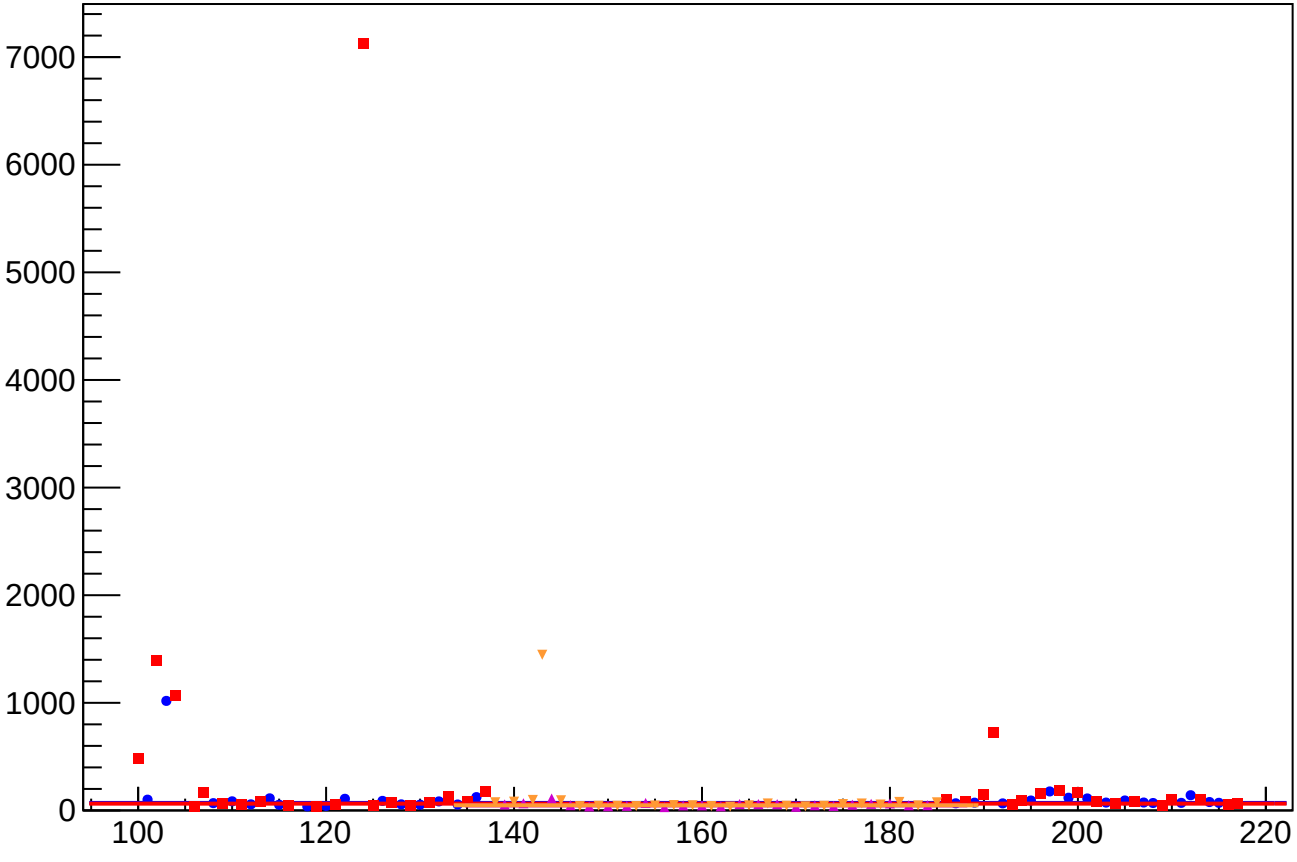
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 60.7/55

All: 0.014+/-0.007 χ^2/NDF: 113.0/114

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.910+/-0.013 χ^2/NDF: 4230323.6/30

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

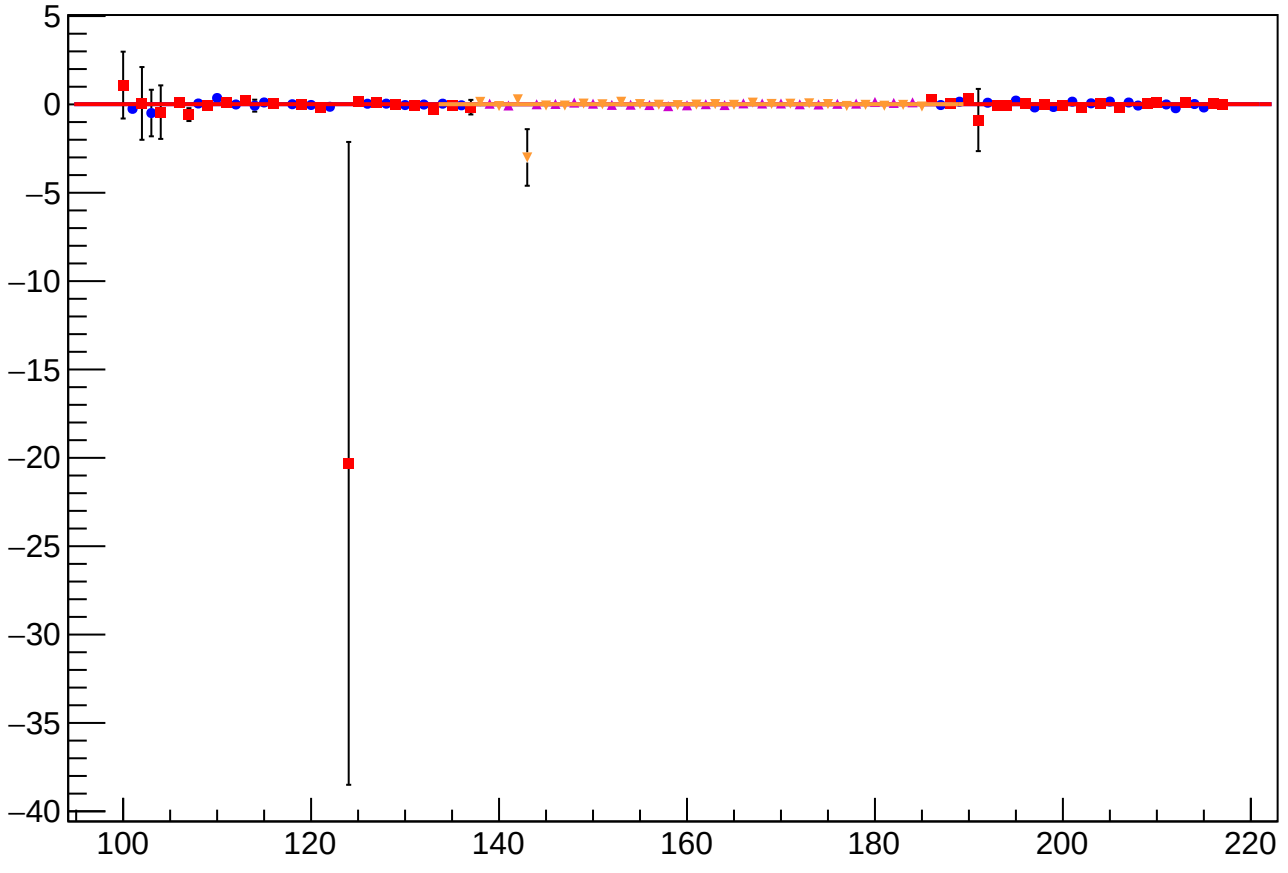
Right Out: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.557+/-0.007 χ^2/NDF: 9619306.8/55

All: 53.323+/-0.005 χ^2/NDF: 19602476.5/114

- sign 52.168+/-0.007 χ^2/NDF: 9928600.1/58



Right In: 0.012+/-0.019 χ^2/NDF: 31.1/30

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

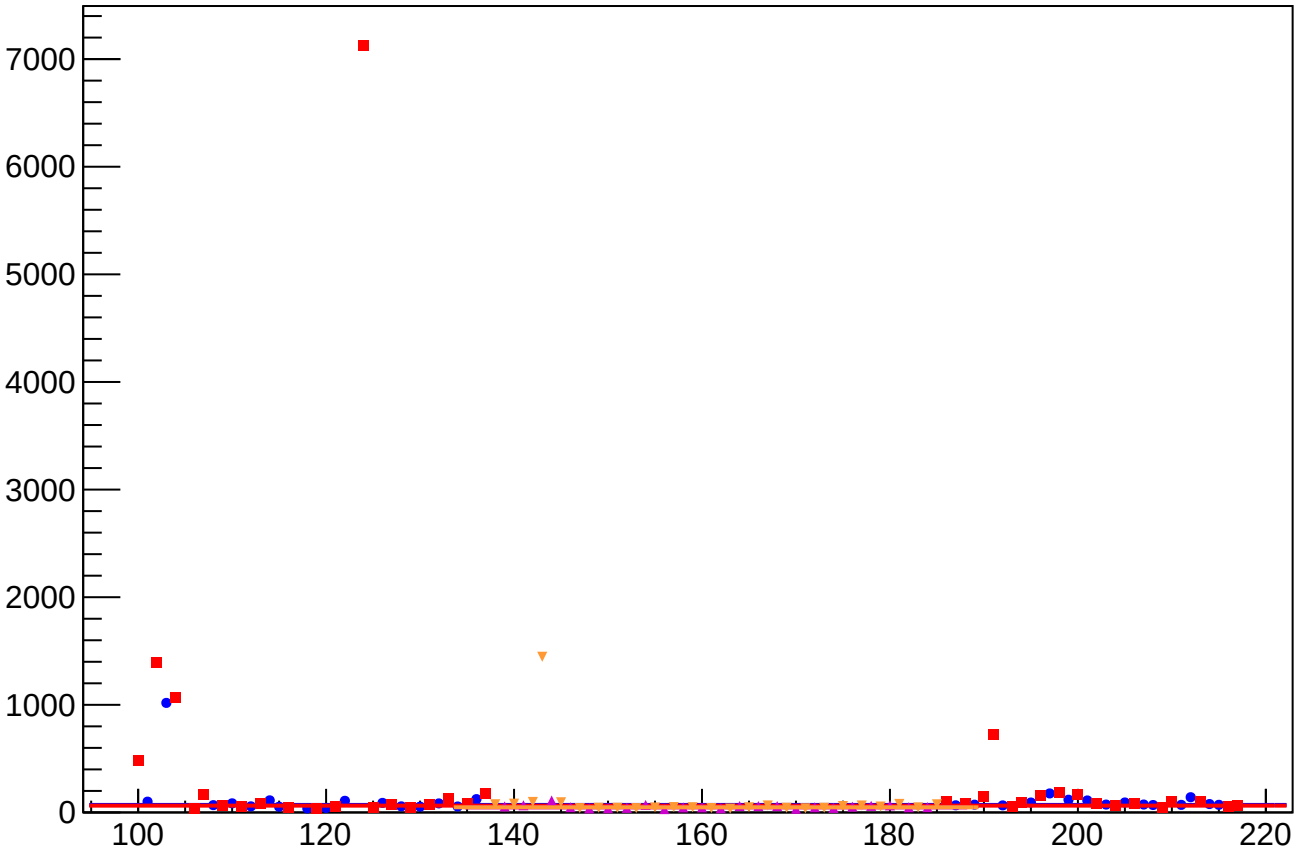
Right Out: 0.013+/-0.018 χ^2/NDF: 31.8/35

Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.012+/-0.010 χ^2/NDF: 60.7/55

All: 0.014+/-0.007 χ^2/NDF: 113.0/114

- sign 0.016+/-0.010 χ^2/NDF: 52.2/58



Right In: 69.910+/-0.013 χ^2/NDF: 4230323.6/30

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

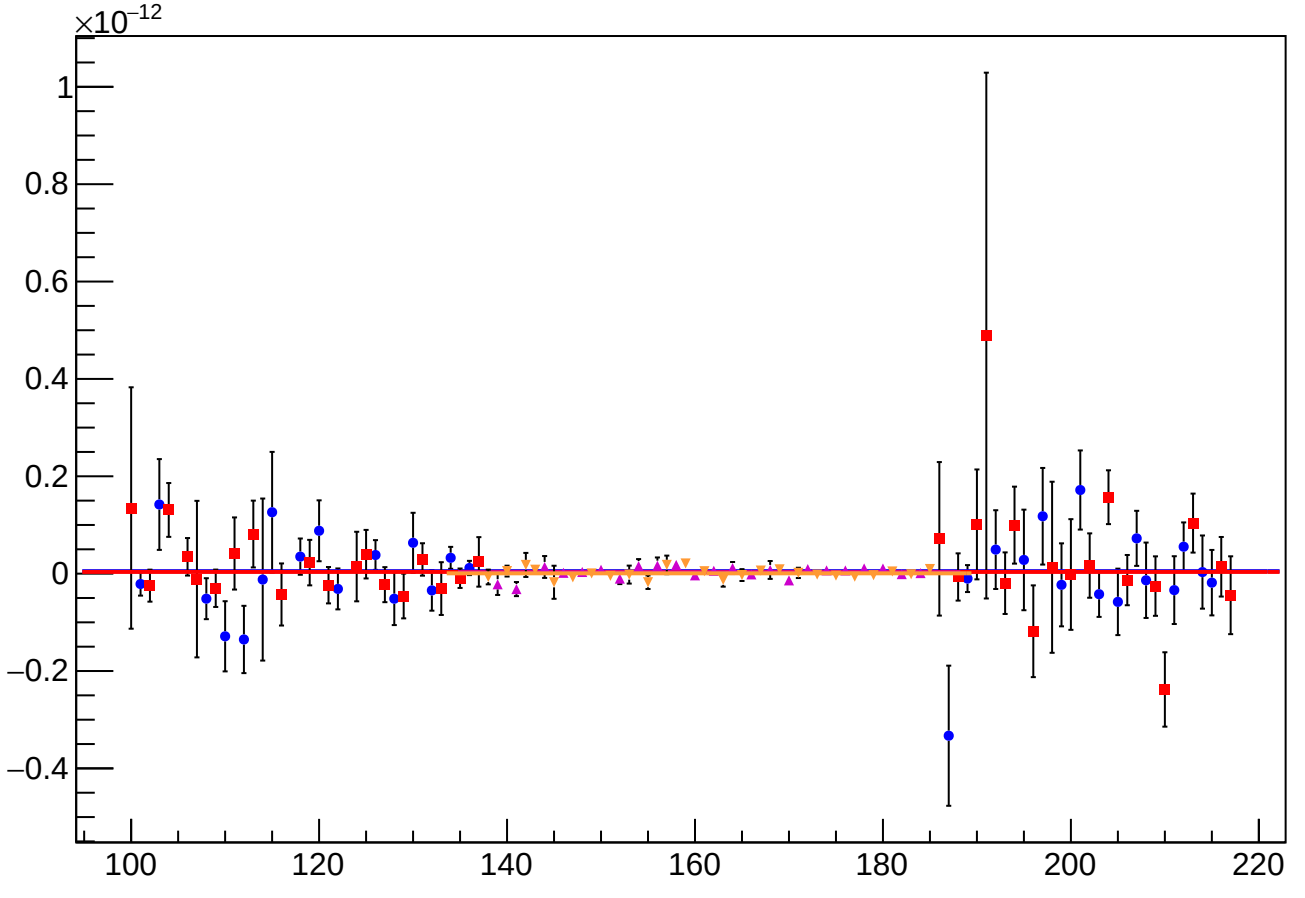
Right Out: 63.294+/-0.012 χ^2/NDF: 6795832.5/35

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.557+/-0.007 χ^2/NDF: 9619306.8/55

All: 53.323+/-0.005 χ^2/NDF: 19602476.5/114

- sign 52.168+/-0.007 χ^2/NDF: 9928600.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

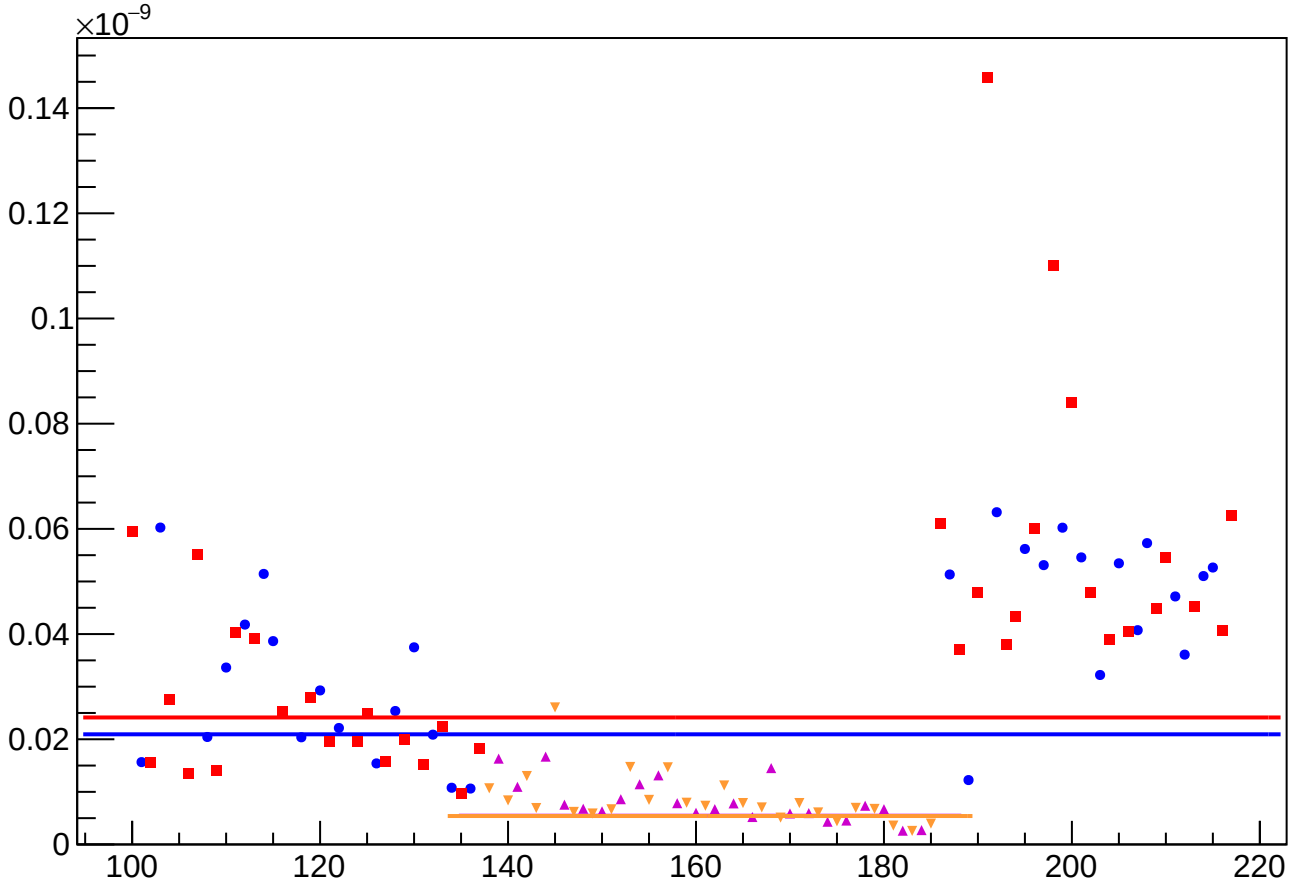
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/35

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/55

All: 0.000+/-0.000 χ^2/NDF: 117.6/114

- sign 0.000+/-0.000 χ^2/NDF: 62.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 6999261.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6116907.5/35

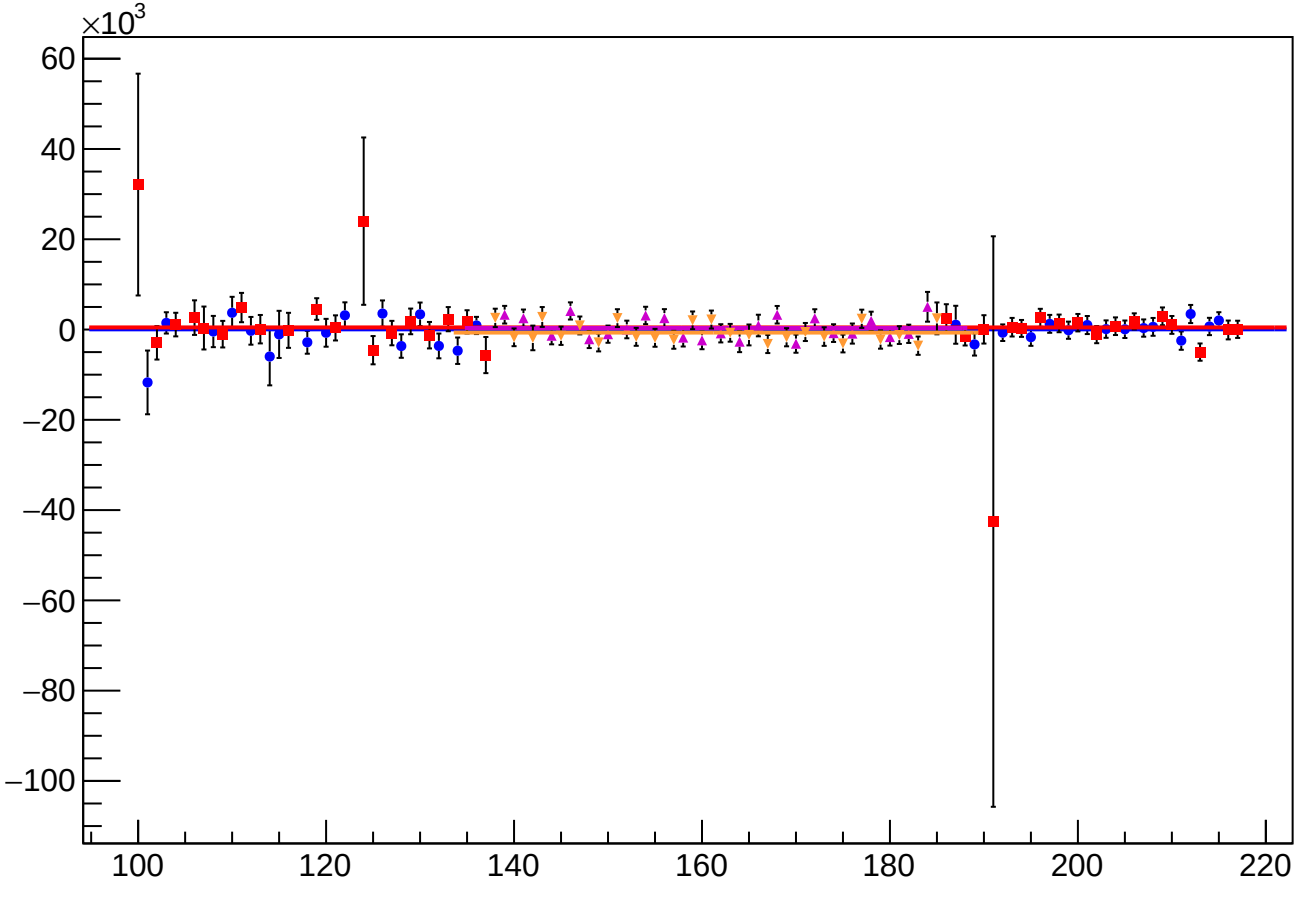
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 20184842.8/55

All: 0.000+/-0.000 χ^2/NDF: 40386317.1/114

- sign 0.000+/-0.000 χ^2/NDF: 20199670.3/58

reg_asym_at1_dd_mean vs Slug



Right In: 45.195+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 468.556+/-416.584 χ^2/NDF: 30.9/35

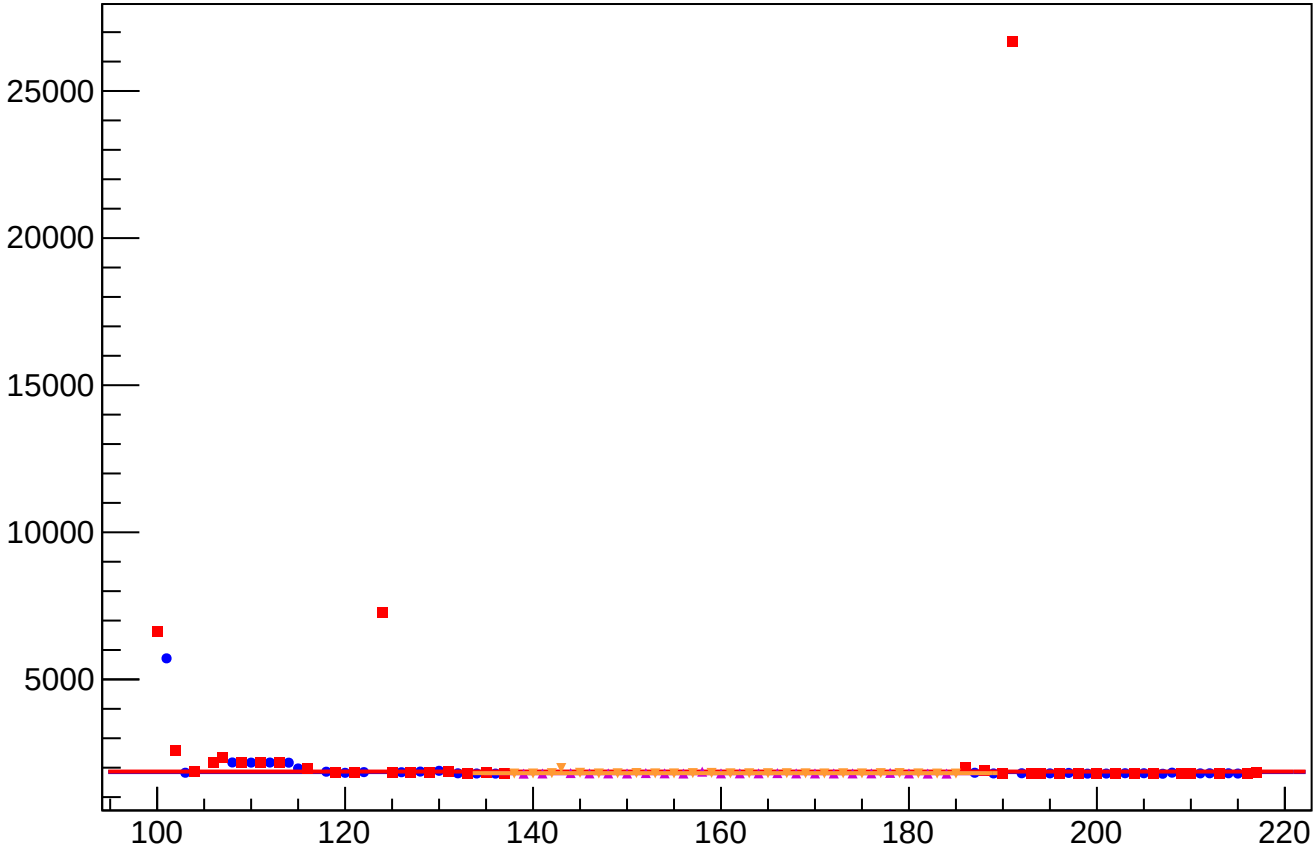
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -323.245+/-295.851 χ^2/NDF: 52.8/55

All: 40.650+/-209.502 χ^2/NDF: 116.8/114

- sign 406.668+/-296.712 χ^2/NDF: 61.0/58

reg_asym_at1_dd_rms vs Slug



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.1/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1868.209+/-0.295 χ^2/NDF: 758493.8/35

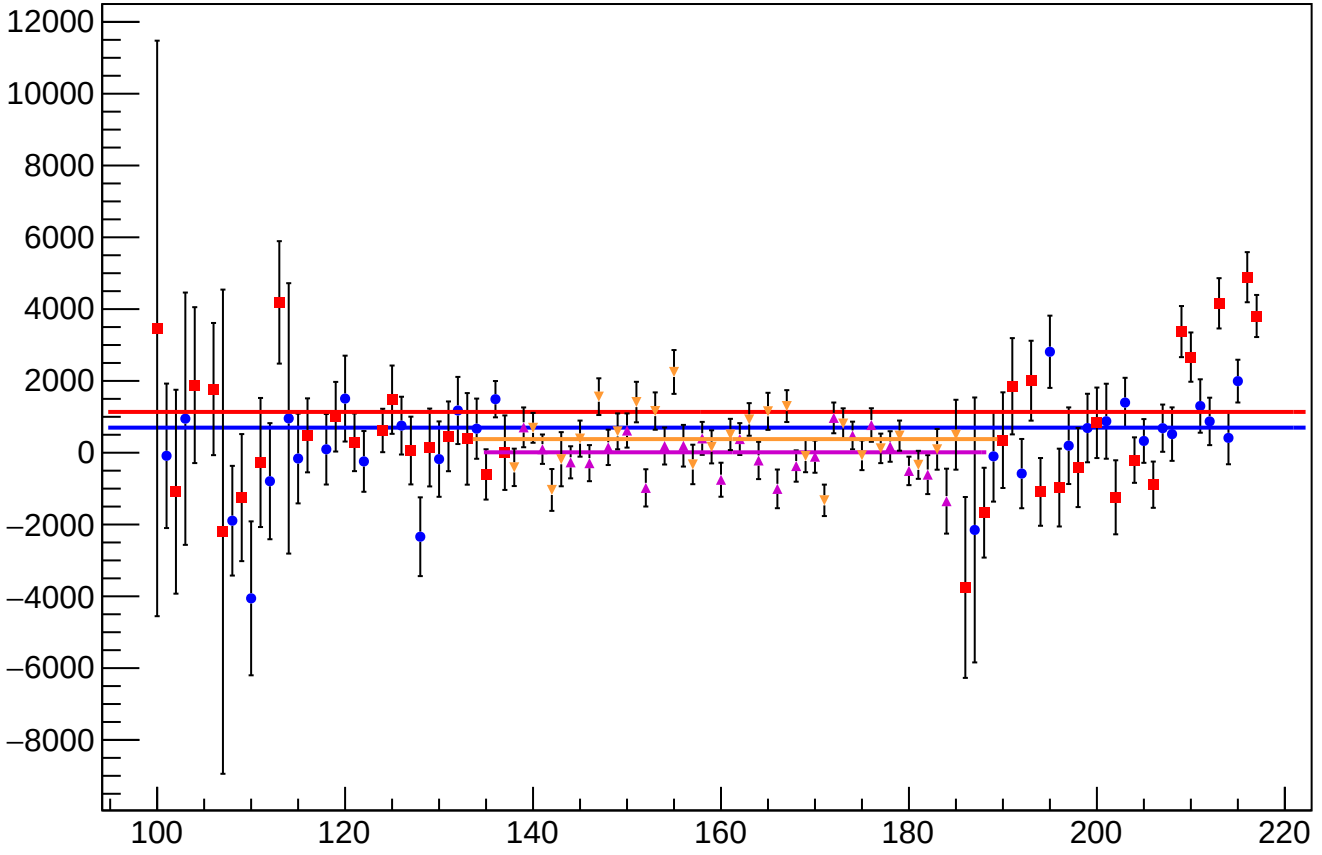
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.827+/-0.209 χ^2/NDF: 700167.9/55

All: 1835.780+/-0.148 χ^2/NDF: 1480283.0/11

- sign 1839.755+/-0.210 χ^2/NDF: 779399.2/58

asym_at1_dd_reg_correction_mean vs Slug



Right In: 698.500+/-161.615 χ^2/NDF: 36.9/30

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 1136.177+/-159.843 χ^2/NDF: 143.9/35

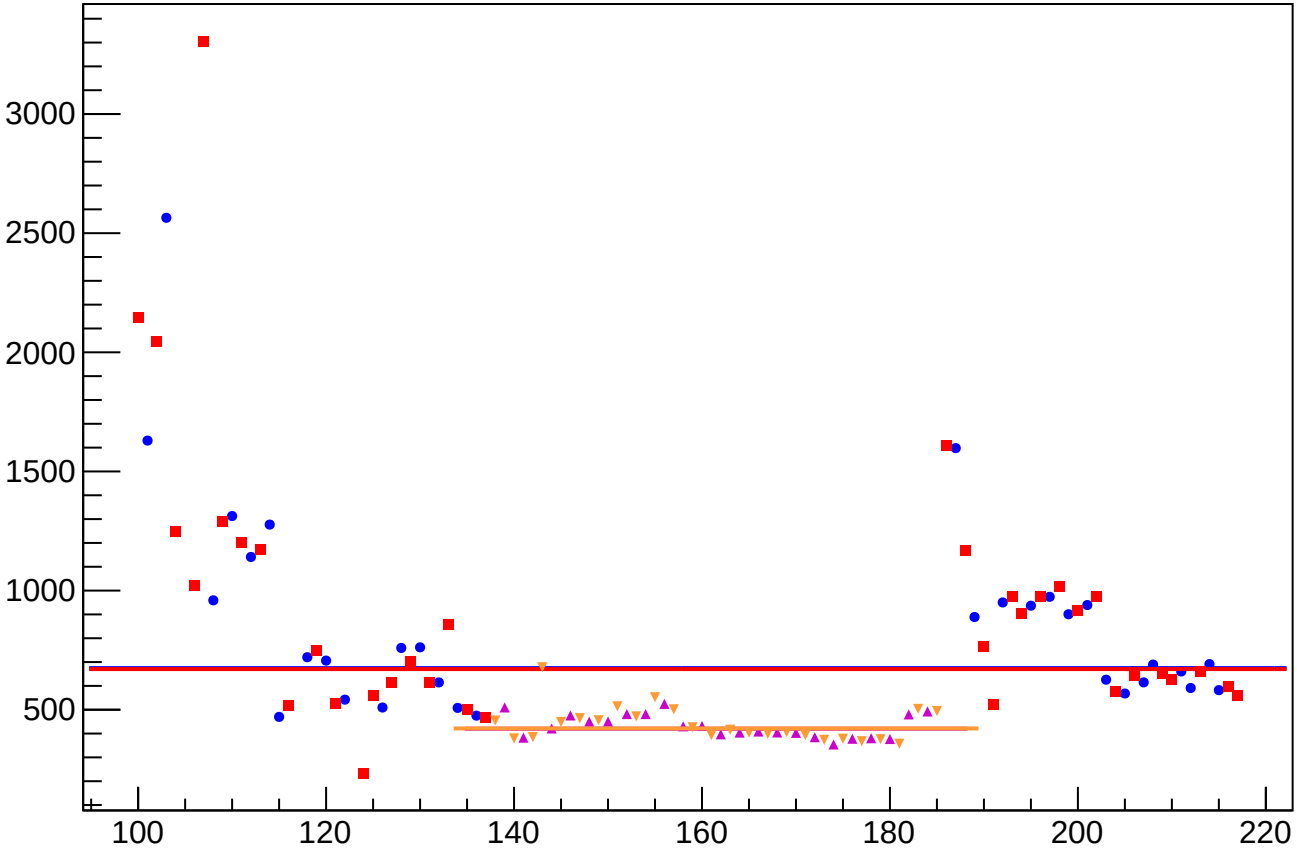
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 463.890+/-83.178 χ^2/NDF: 102.1/55

All: 394.375+/-59.156 χ^2/NDF: 314.3/114

- sign 323.227+/-84.150 χ^2/NDF: 210.7/58

asym_at1_dd_reg_correction_rms vs Slug



Right In: 674.557+/-0.114 χ^2/NDF: 3159801.1/30

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 670.581+/-0.113 χ^2/NDF: 4804091.7/35

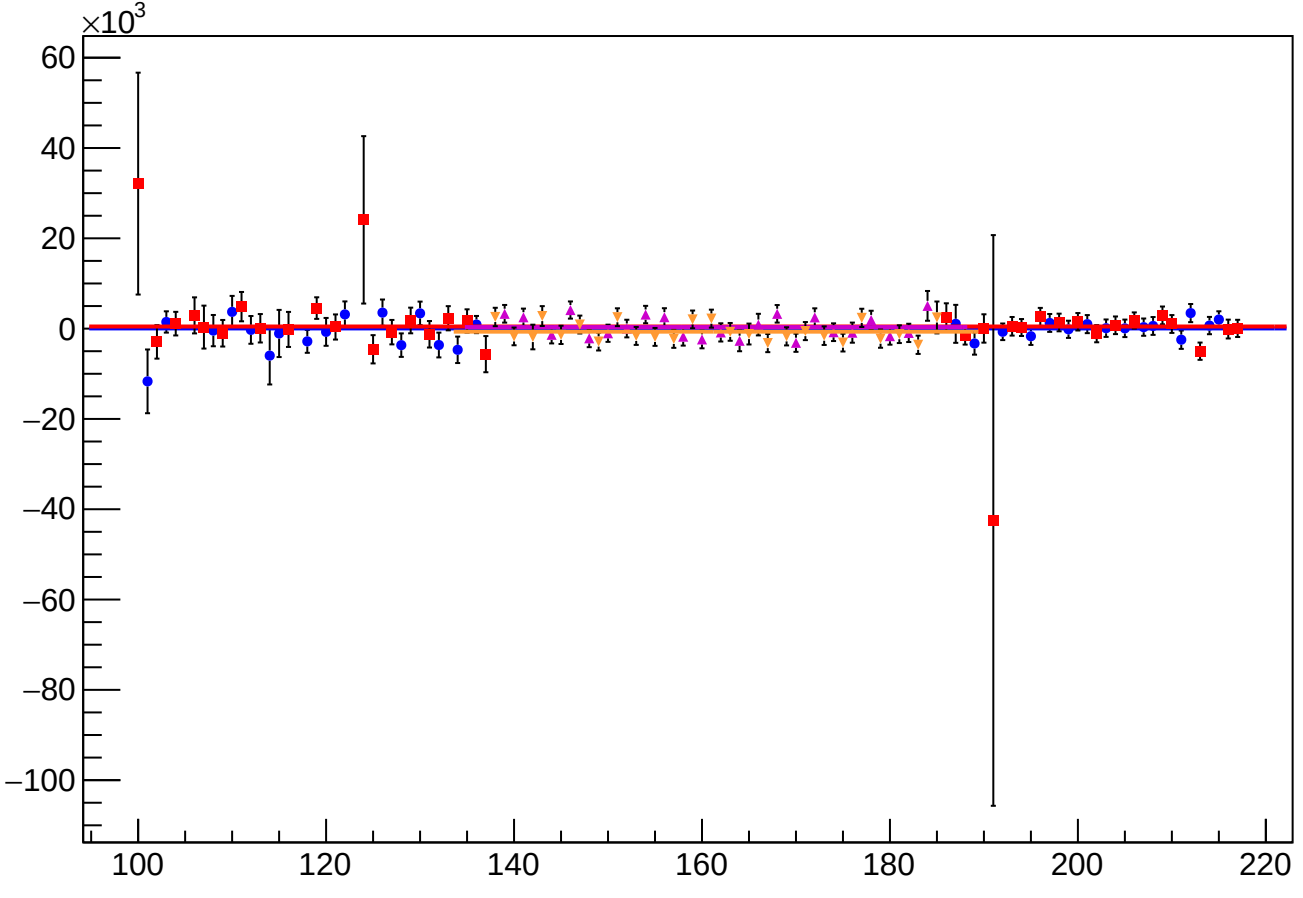
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 488.469+/-0.059 χ^2/NDF: 7509853.3/55

All: 489.033+/-0.042 χ^2/NDF: 16273873.3/11

- sign 489.610+/-0.060 χ^2/NDF: 8763834.2/58

cor_asym_at1_dd_mean vs Slug



Right In: 45.524+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 469.908+/-416.778 χ^2/NDF: 30.9/35

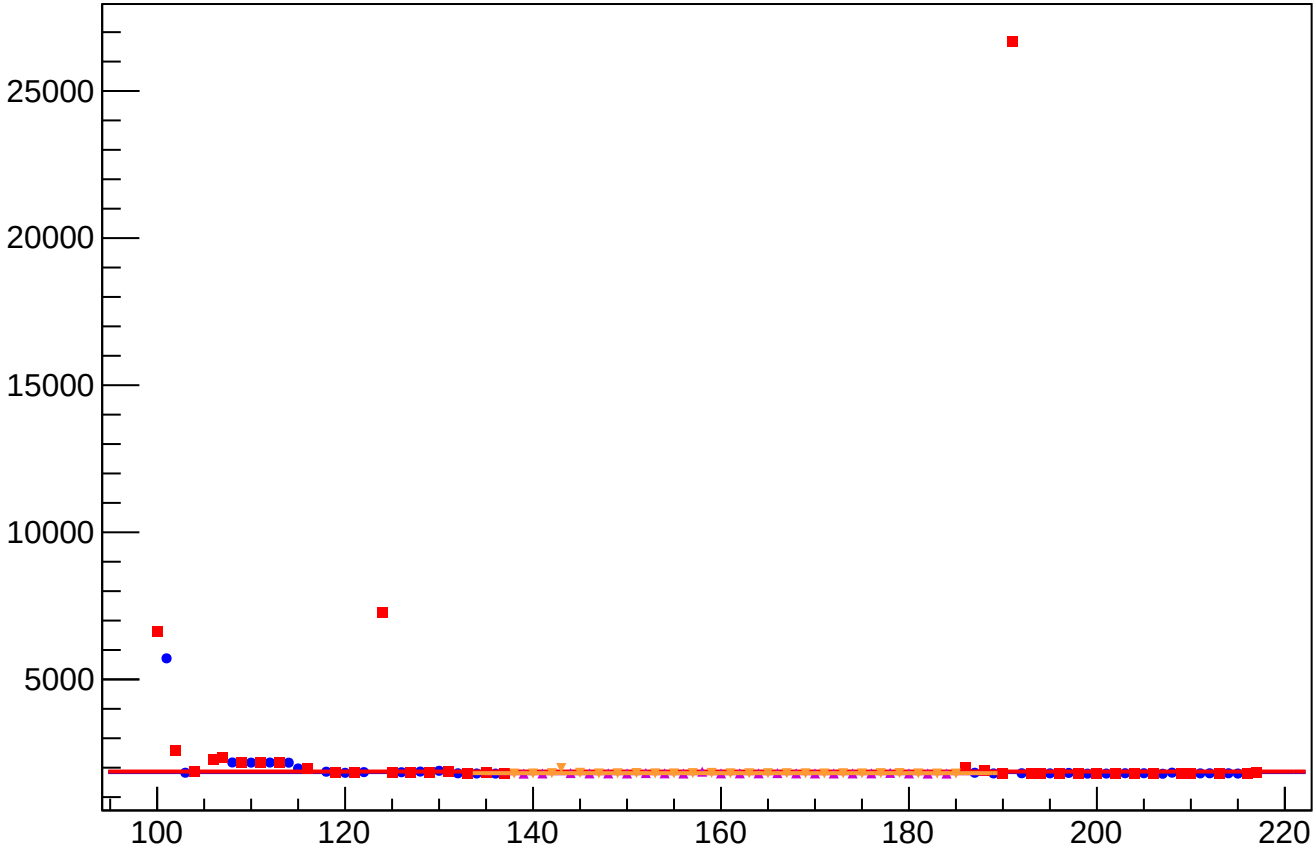
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -323.081+/-295.851 χ^2/NDF: 52.8/55

All: 40.984+/-209.527 χ^2/NDF: 116.9/114

- sign 407.346+/-296.782 χ^2/NDF: 61.0/58

cor_asym_at1_dd_rms vs Slug



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.0/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

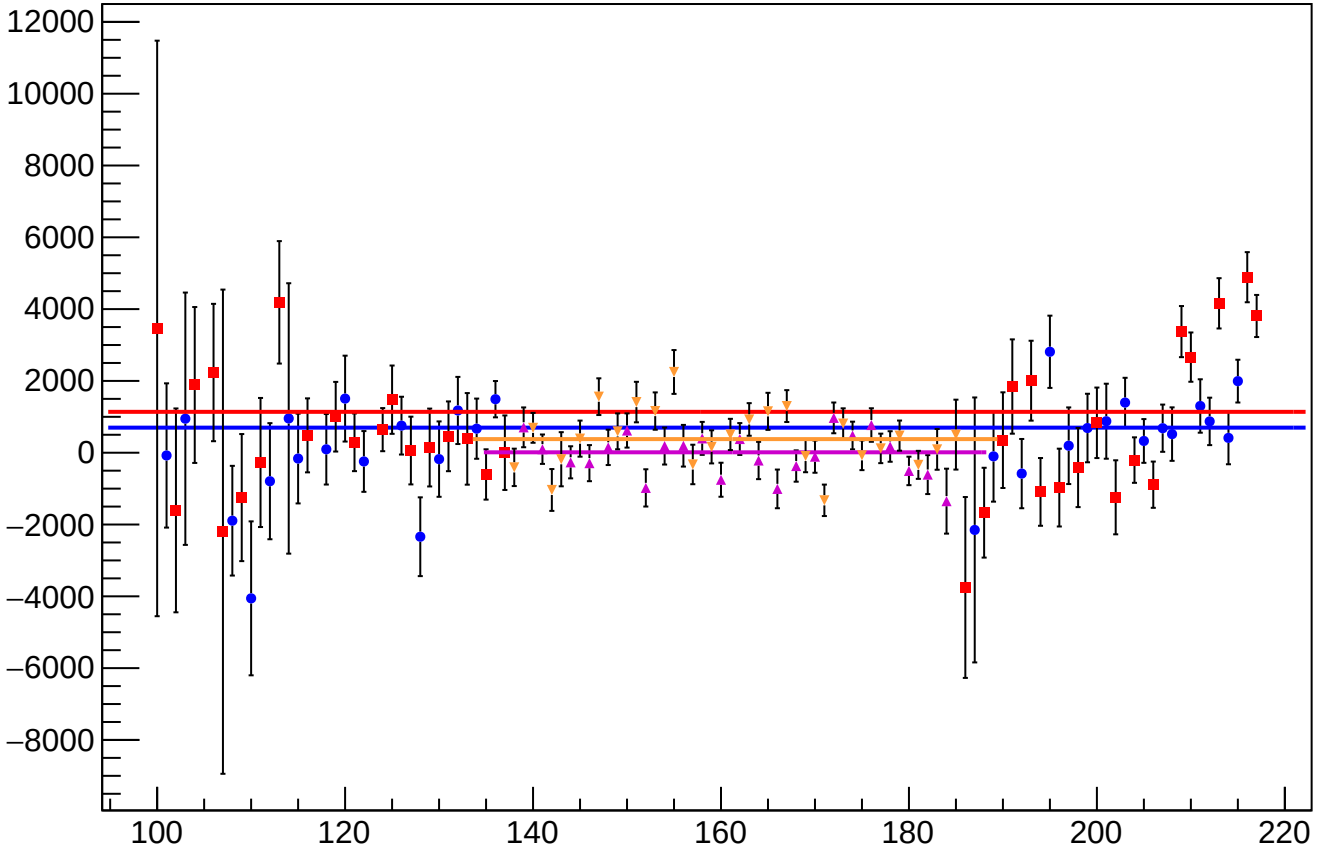
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.827+/-0.209 χ^2/NDF: 700167.8/55

All: 1835.922+/-0.148 χ^2/NDF: 1487023.2/11

- sign 1840.043+/-0.210 χ^2/NDF: 786086.7/58

asym_at1_dd_cor_correction_mean vs Slug



Right In: 698.574+/-161.612 χ^2/NDF: 36.9/30

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1138.805+/-159.757 χ^2/NDF: 144.3/35

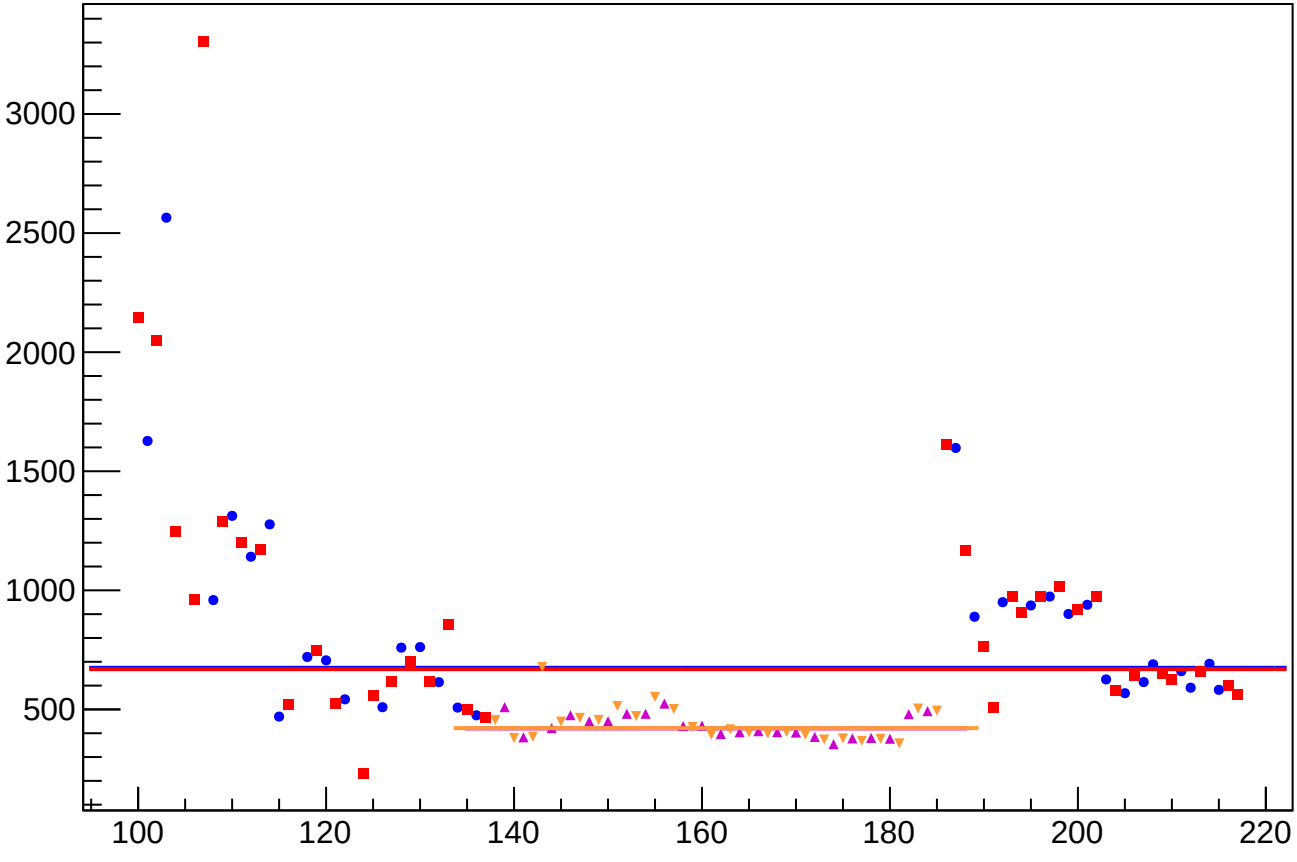
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 463.905+/-83.178 χ^2/NDF: 102.1/55

All: 394.855+/-59.152 χ^2/NDF: 314.9/114

- sign 324.204+/-84.137 χ^2/NDF: 211.4/58

asym_at1_dd_cor_correction_rms vs Slug



Right In: 674.556+/-0.114 χ^2/NDF: 3158980.7/30

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

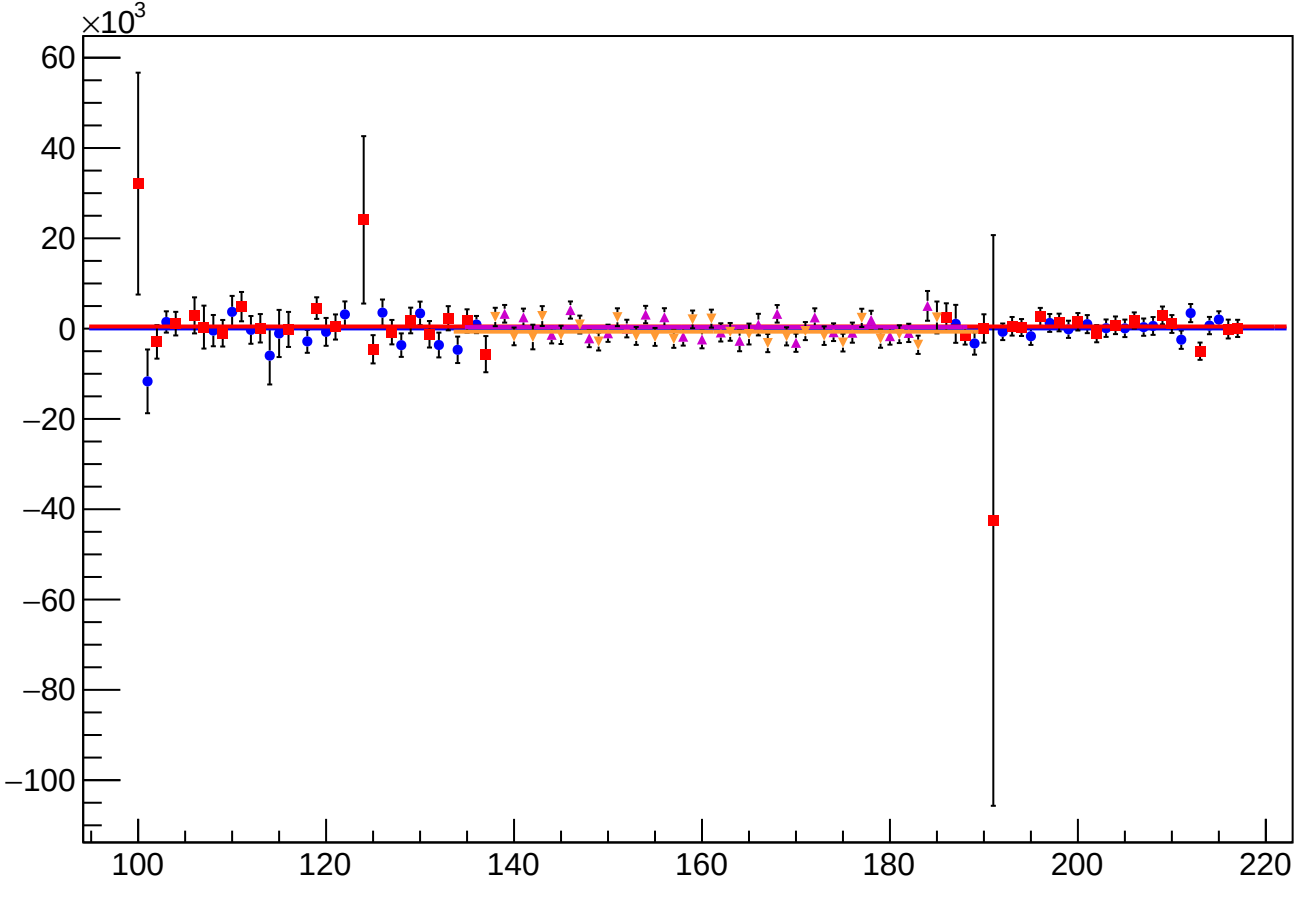
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 488.473+/-0.059 χ^2/NDF: 7508909.6/55

All: 488.861+/-0.042 χ^2/NDF: 16240149.8/11

- sign 489.258+/-0.059 χ^2/NDF: 8731152.2/58

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 45.524+/-424.874 χ^2/NDF: 26.6/30

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 469.908+/-416.778 χ^2/NDF: 30.9/35

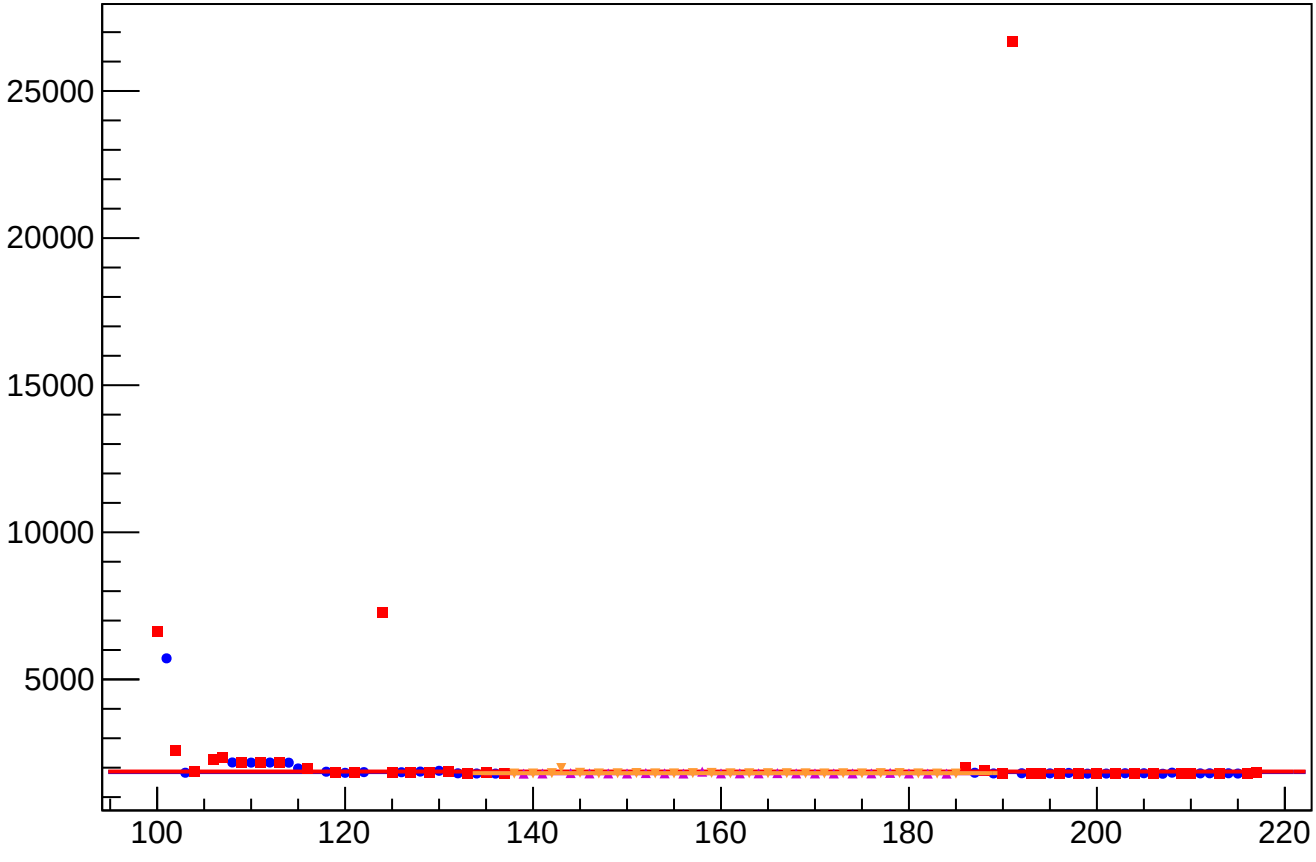
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -323.081+/-295.851 χ^2/NDF: 52.8/55

All: 40.984+/-209.527 χ^2/NDF: 116.9/114

\- sign 407.346+/-296.782 χ^2/NDF: 61.0/58

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1850.306+/-0.300 χ^2/NDF: 679722.0/30

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

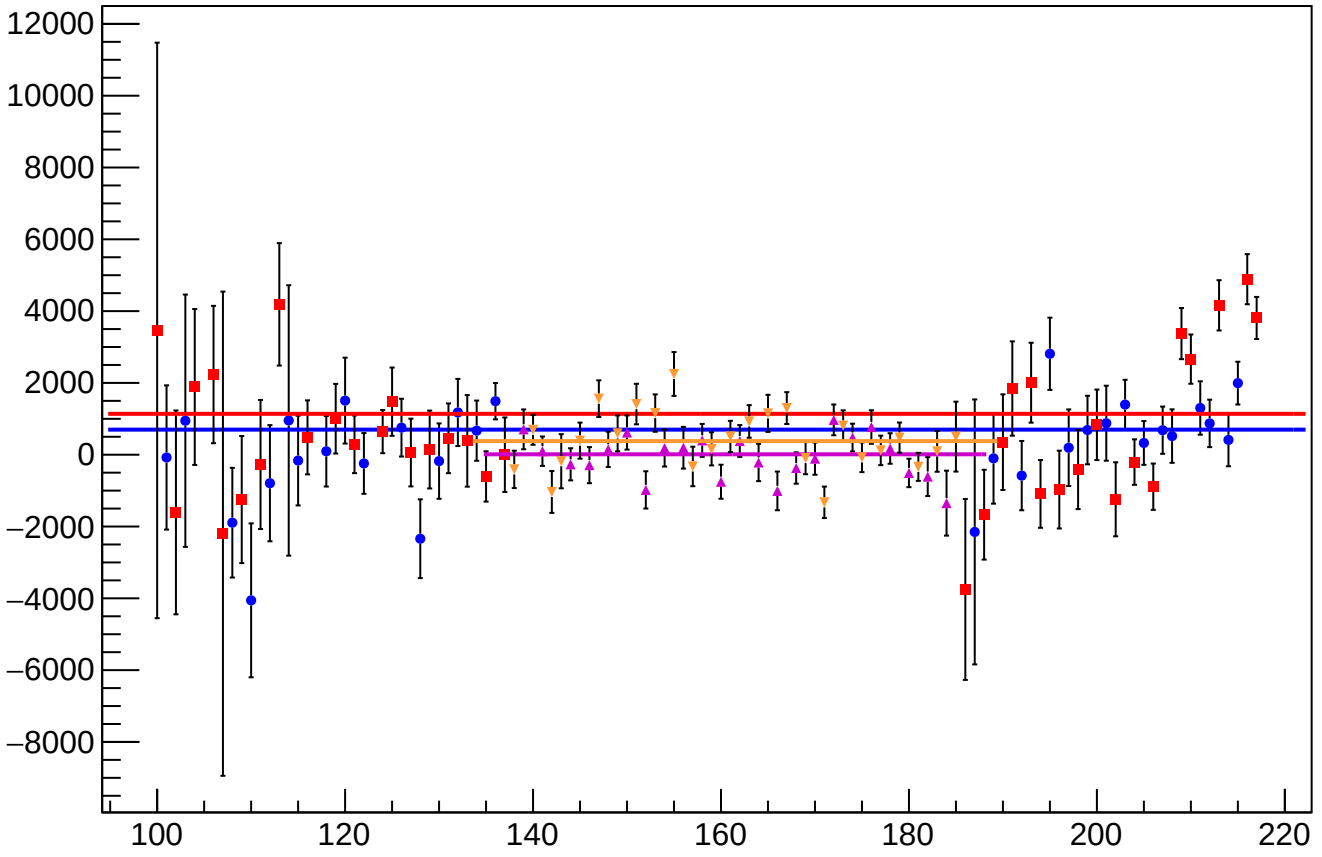
Right Out: 1868.804+/-0.295 χ^2/NDF: 764798.0/35

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1831.827+/-0.209 χ^2/NDF: 700167.8/55

All: 1835.922+/-0.148 χ^2/NDF: 1487023.2/11

- sign 1840.043+/-0.210 χ^2/NDF: 786086.7/58



Right In: 698.574+/-161.612 χ^2/NDF: 36.9/30

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1138.805+/-159.757 χ^2/NDF: 144.3/35

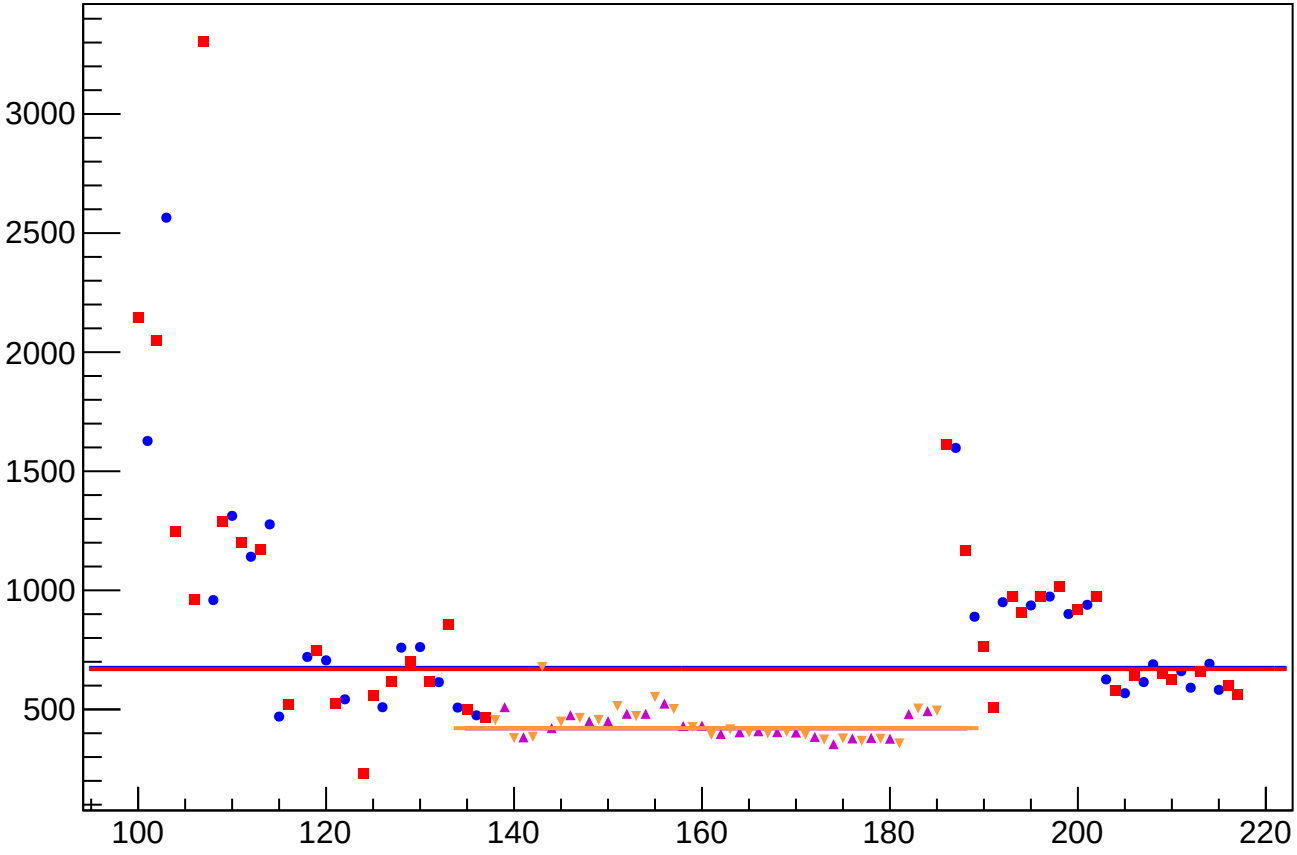
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 463.905+/-83.178 χ^2/NDF: 102.1/55

All: 394.855+/-59.152 χ^2/NDF: 314.9/114

- sign 324.204+/-84.137 χ^2/NDF: 211.4/58

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 674.556+/-0.114 χ^2/NDF: 3158980.7/30

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 669.132+/-0.113 χ^2/NDF: 4809441.0/35

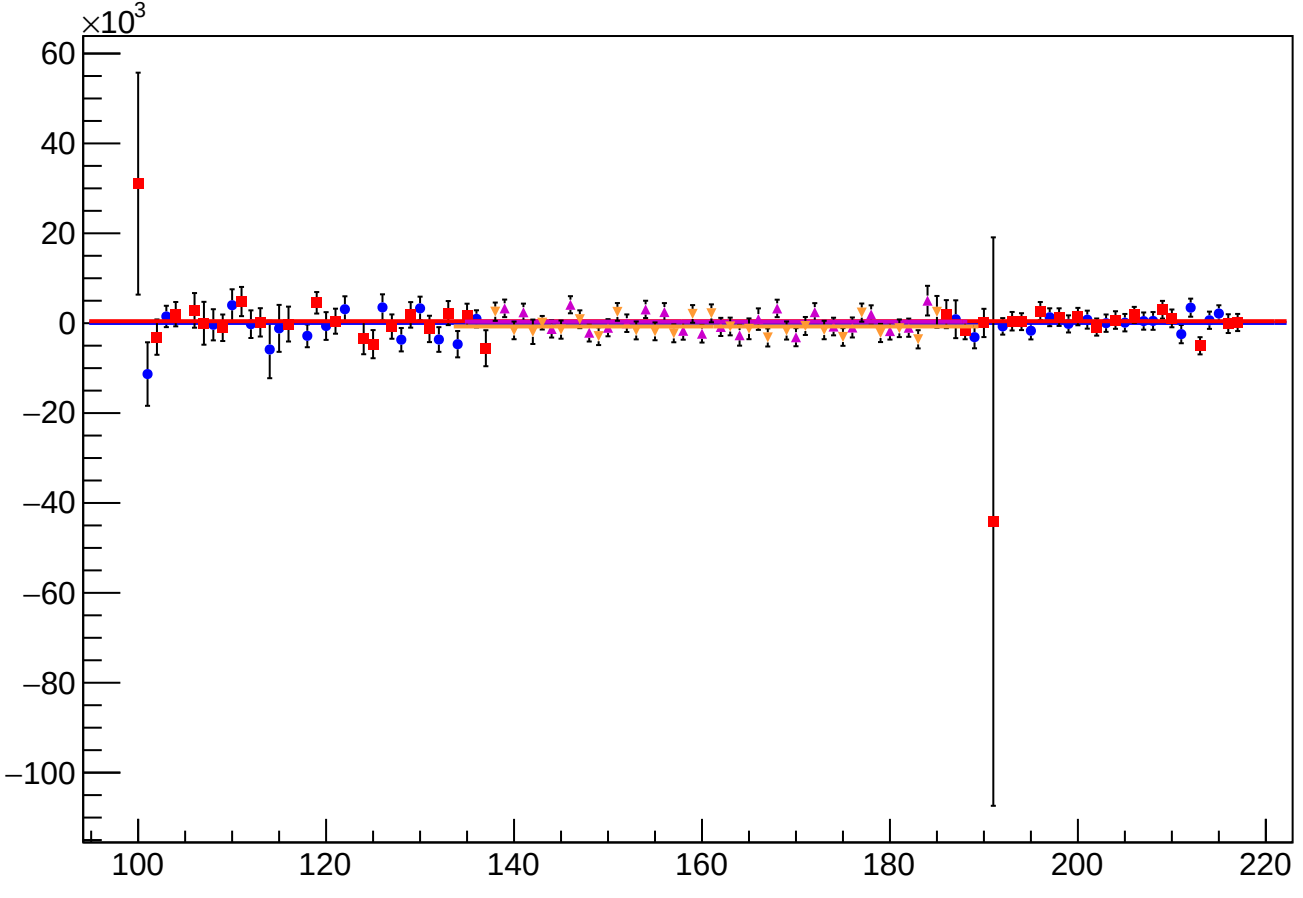
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 488.473+/-0.059 χ^2/NDF: 7508909.6/55

All: 488.861+/-0.042 χ^2/NDF: 16240149.8/11

- sign 489.258+/-0.059 χ^2/NDF: 8731152.2/58

dit_asym_at1_dd_mean vs Slug



Right In: 61.481+/-425.298 χ^2/NDF: 26.3/30

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 446.461+/-414.998 χ^2/NDF: 30.4/35

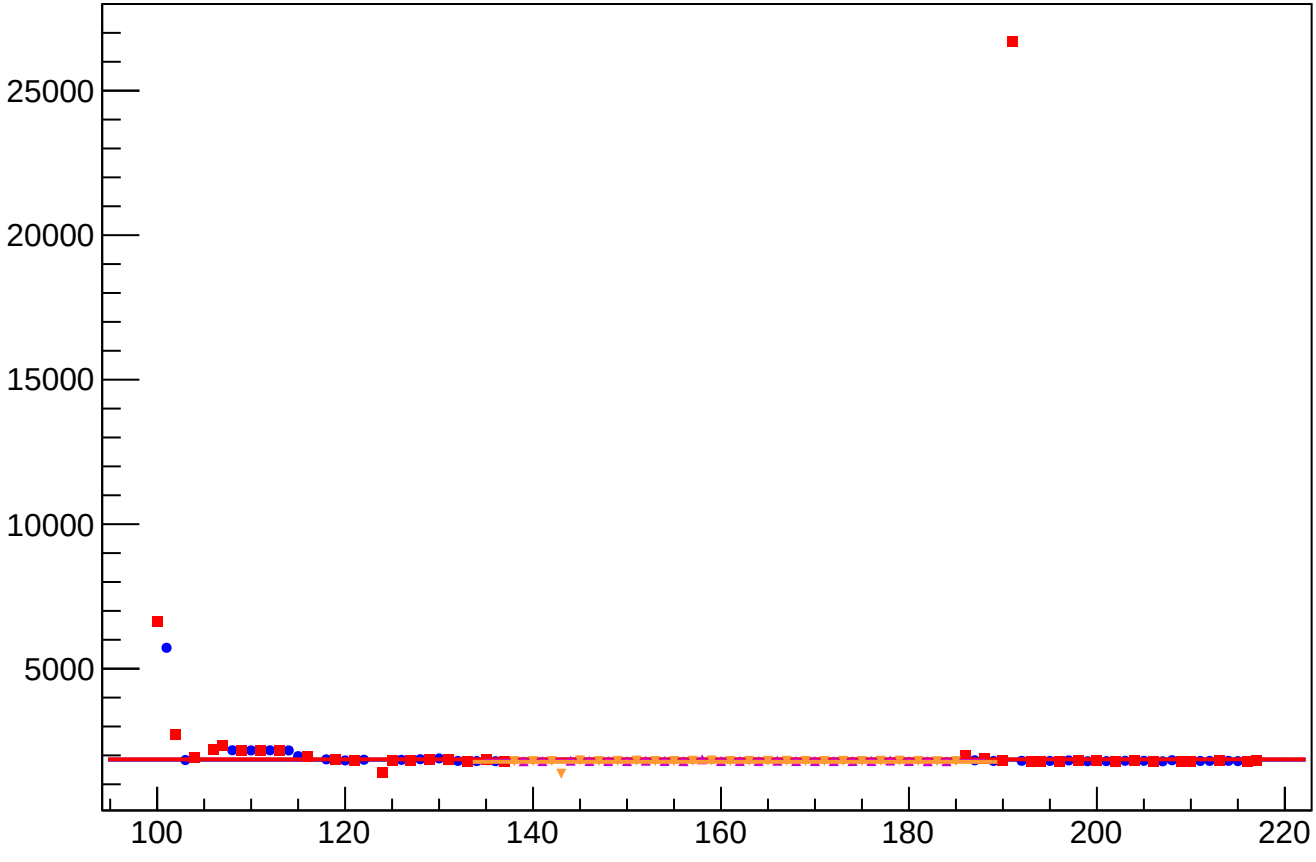
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -351.291+/-293.070 χ^2/NDF: 50.3/55

All: 17.821+/-208.325 χ^2/NDF: 113.6/114

- sign 394.829+/-296.188 χ^2/NDF: 60.1/58

dit_asym_at1_dd_rms vs Slug



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639031.1/35

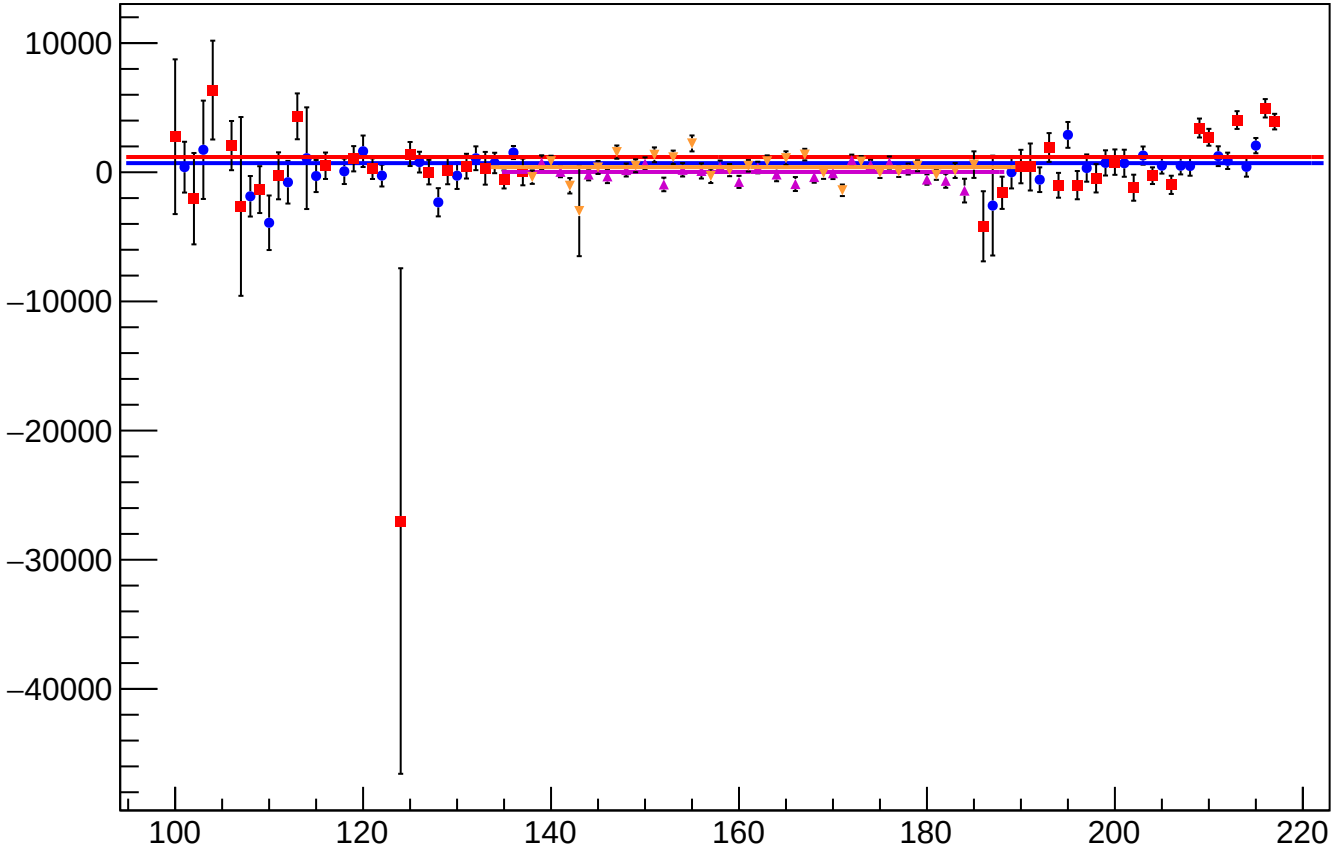
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.490+/-0.207 χ^2/NDF: 873824.8/55

All: 1824.740+/-0.147 χ^2/NDF: 1536921.8/11

- sign 1837.252+/-0.209 χ^2/NDF: 656033.6/58

asym_at1_dd_dit_correction_mean vs Slug



Right In: 706.392+/-161.609 χ^2/NDF: 37.4/30

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 1180.085+/-167.900 χ^2/NDF: 145.7/35

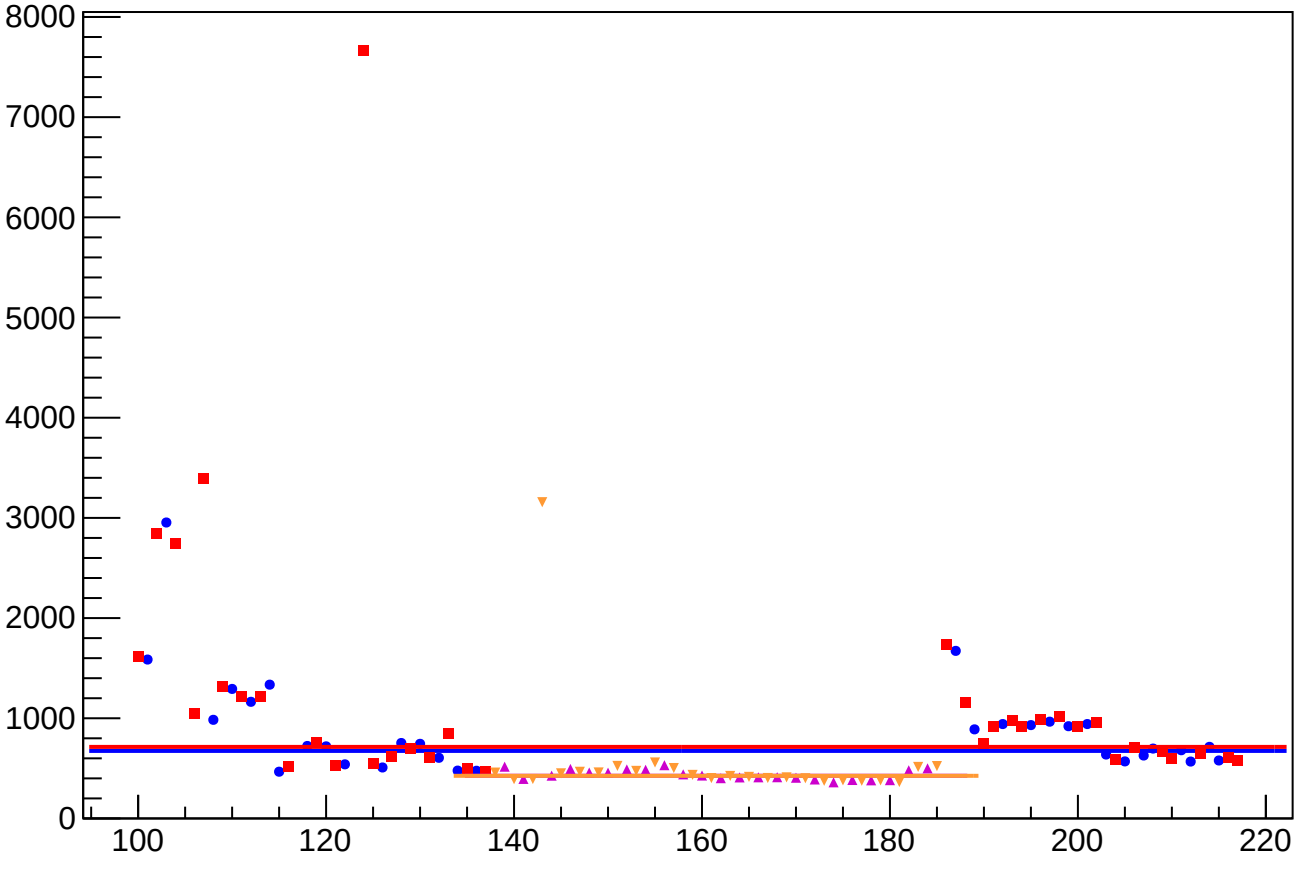
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 482.550+/-84.521 χ^2/NDF: 100.5/55

All: 405.717+/-60.310 χ^2/NDF: 313.9/114

- sign 326.019+/-86.083 χ^2/NDF: 211.7/58

asym_at1_dd_dit_correction_rms vs Slug



Right In: 674.129+/-0.114 χ^2/NDF: 3373658.1/30

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 714.259+/-0.119 χ^2/NDF: 4658153.1/35

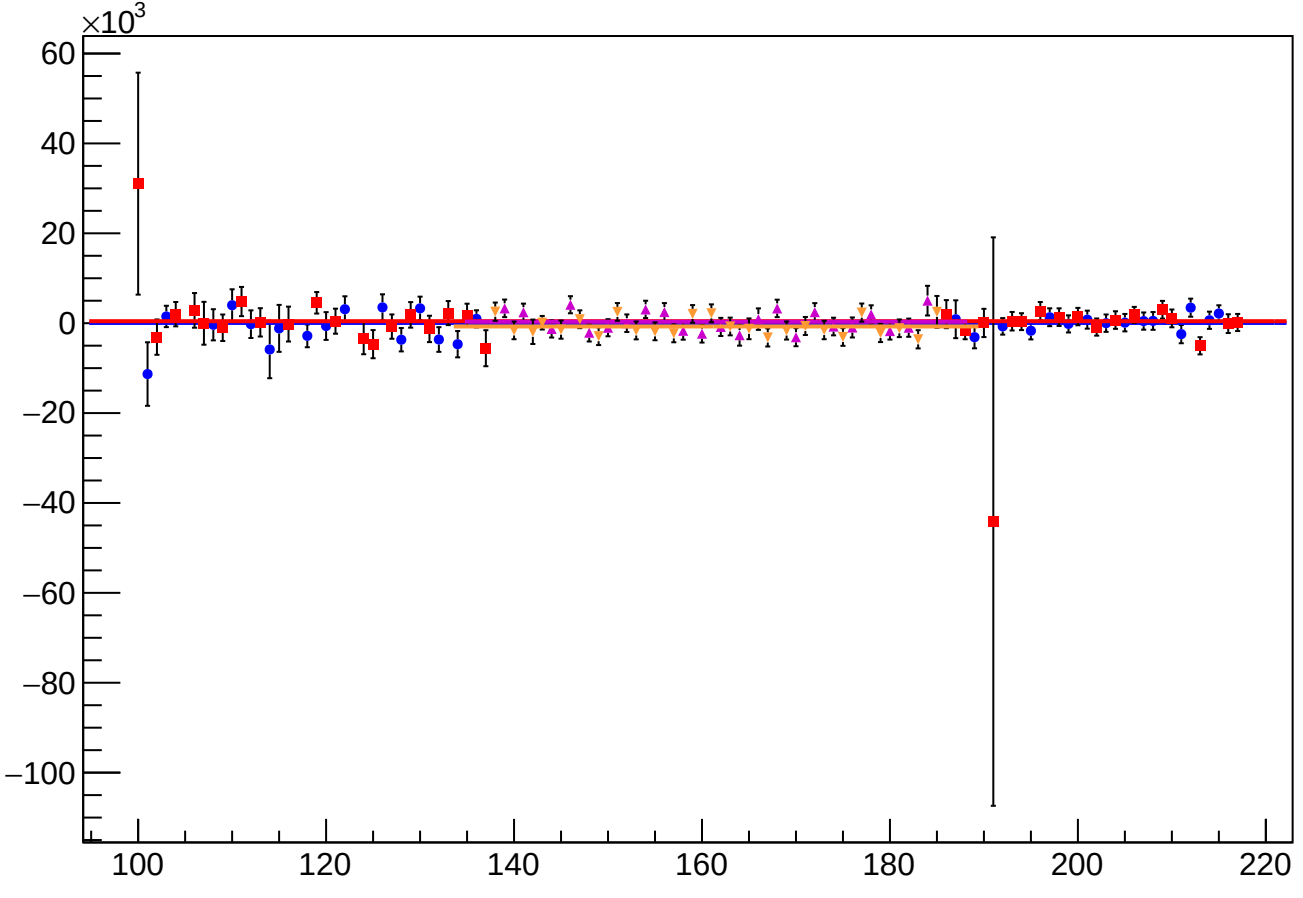
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 493.650+/-0.060 χ^2/NDF: 8525294.1/55

All: 497.690+/-0.043 χ^2/NDF: 17949331.2/11

- sign 501.880+/-0.061 χ^2/NDF: 9414729.4/58

eigen_dit_asym_at1_dd_mean vs Slug



Right In: 61.479+/-425.298 χ^2/NDF: 26.3/30

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 446.460+/-414.998 χ^2/NDF: 30.4/35

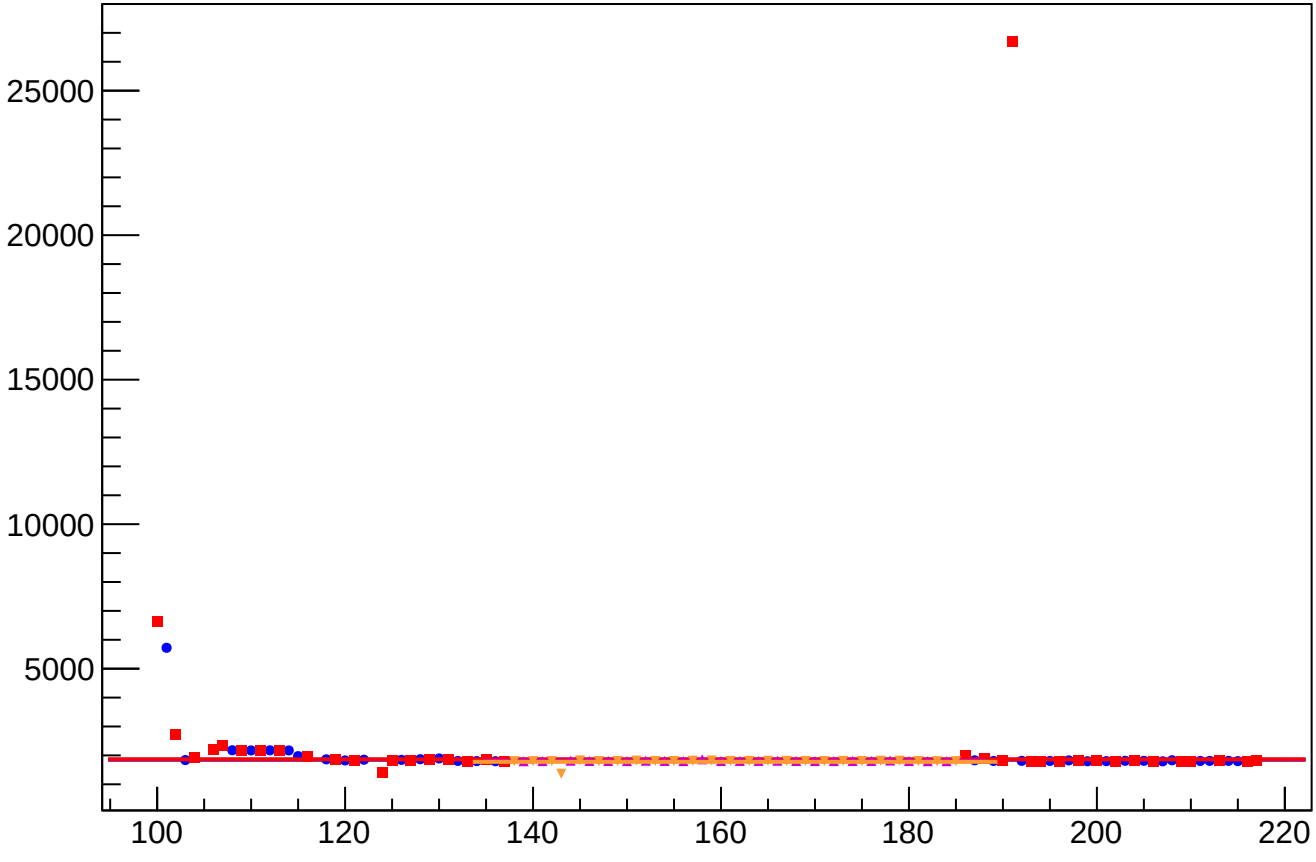
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -351.292+/-293.070 χ^2/NDF: 50.3/55

All: 17.820+/-208.325 χ^2/NDF: 113.6/114

- sign 394.828+/-296.188 χ^2/NDF: 60.1/58

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1852.049+/-0.301 χ^2/NDF: 679581.6/30

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1862.458+/-0.293 χ^2/NDF: 639030.9/35

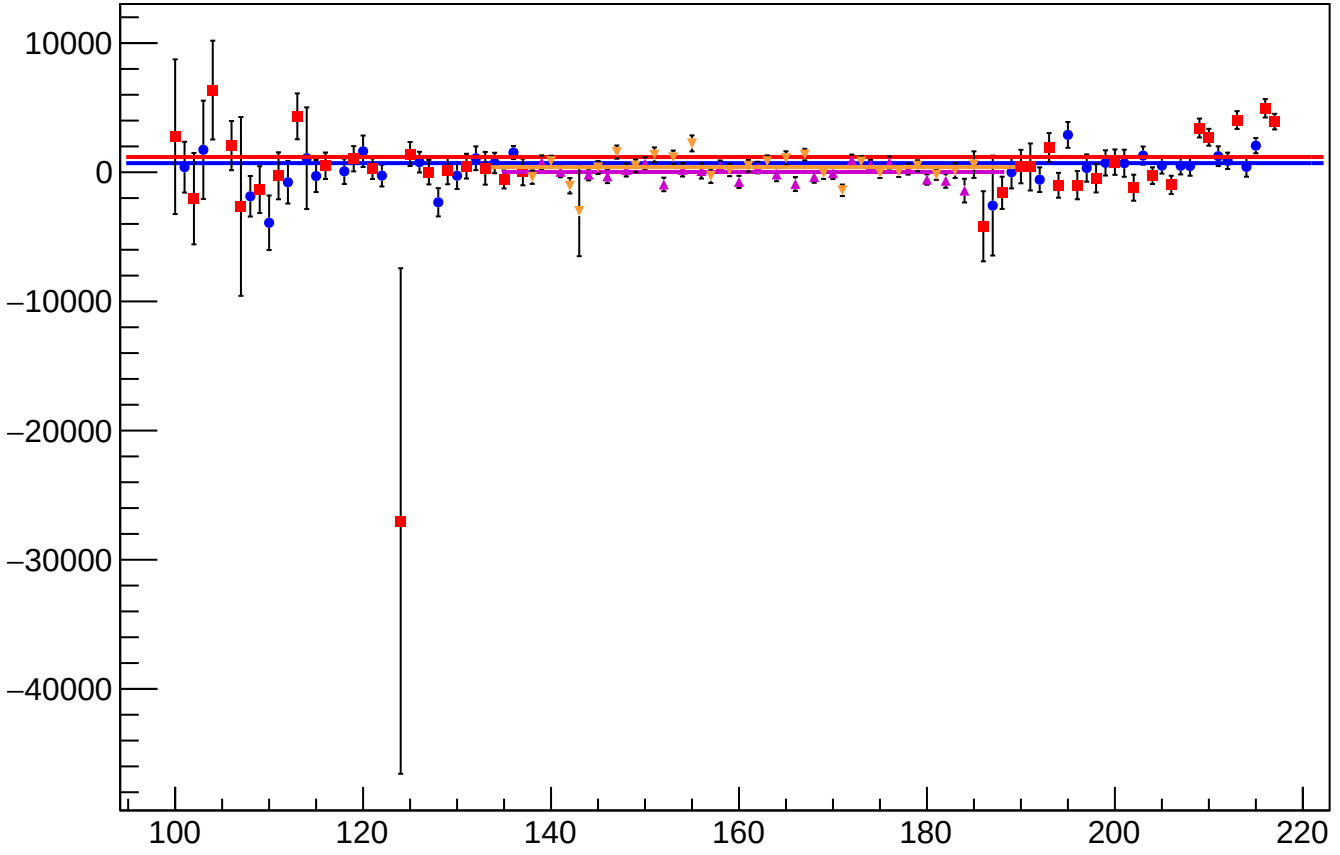
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.490+/-0.207 χ^2/NDF: 873824.8/55

All: 1824.740+/-0.147 χ^2/NDF: 1536921.6/11

- sign 1837.252+/-0.209 χ^2/NDF: 656033.4/58

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 706.390+/-161.609 χ^2/NDF: 37.4/30

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 1180.082+/-167.900 χ^2/NDF: 145.7/35

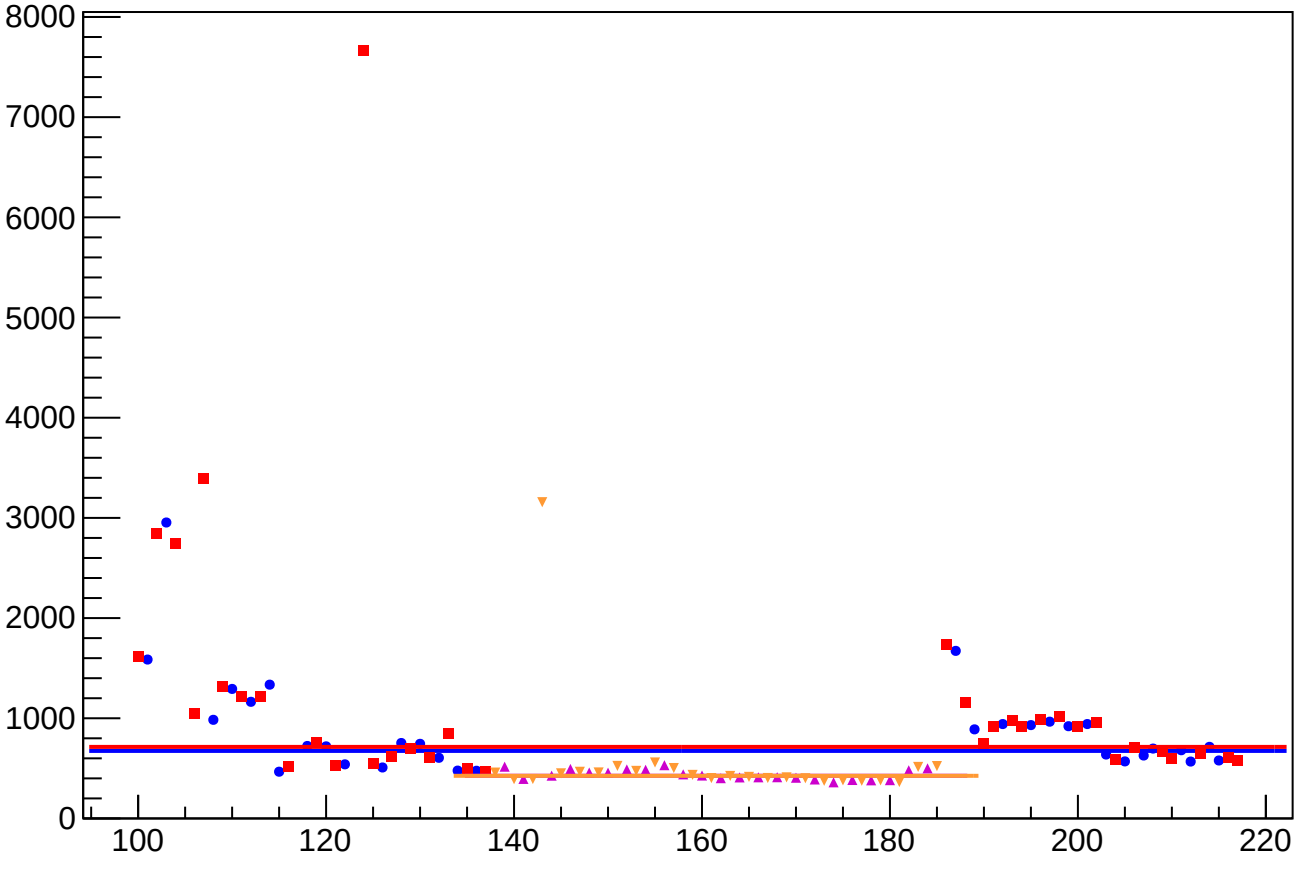
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 482.549+/-84.521 χ^2/NDF: 100.5/55

All: 405.716+/-60.310 χ^2/NDF: 313.9/114

- sign 326.018+/-86.083 χ^2/NDF: 211.7/58

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 674.130+/-0.114 χ^2/NDF: 3373657.4/30

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 714.259+/-0.119 χ^2/NDF: 4658149.9/35

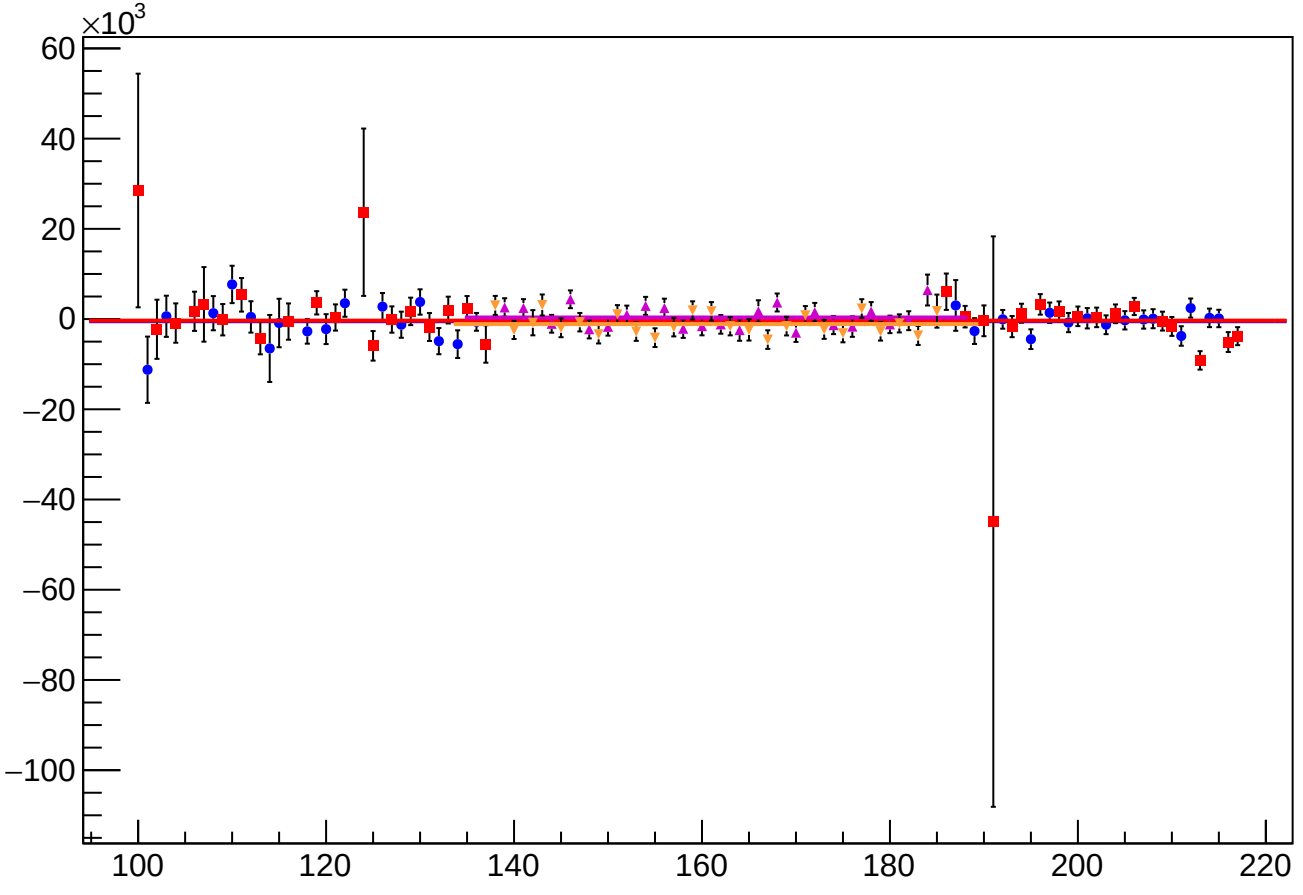
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 493.650+/-0.060 χ^2/NDF: 8525311.9/55

All: 497.690+/-0.043 χ^2/NDF: 17949367.2/11

- sign 501.880+/-0.061 χ^2/NDF: 9414747.5/58

asym_at1_dd_mean vs Slug



Right In: -476.639+/-466.662 χ^2/NDF: 28.1/30

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -349.330+/-463.609 χ^2/NDF: 53.7/35

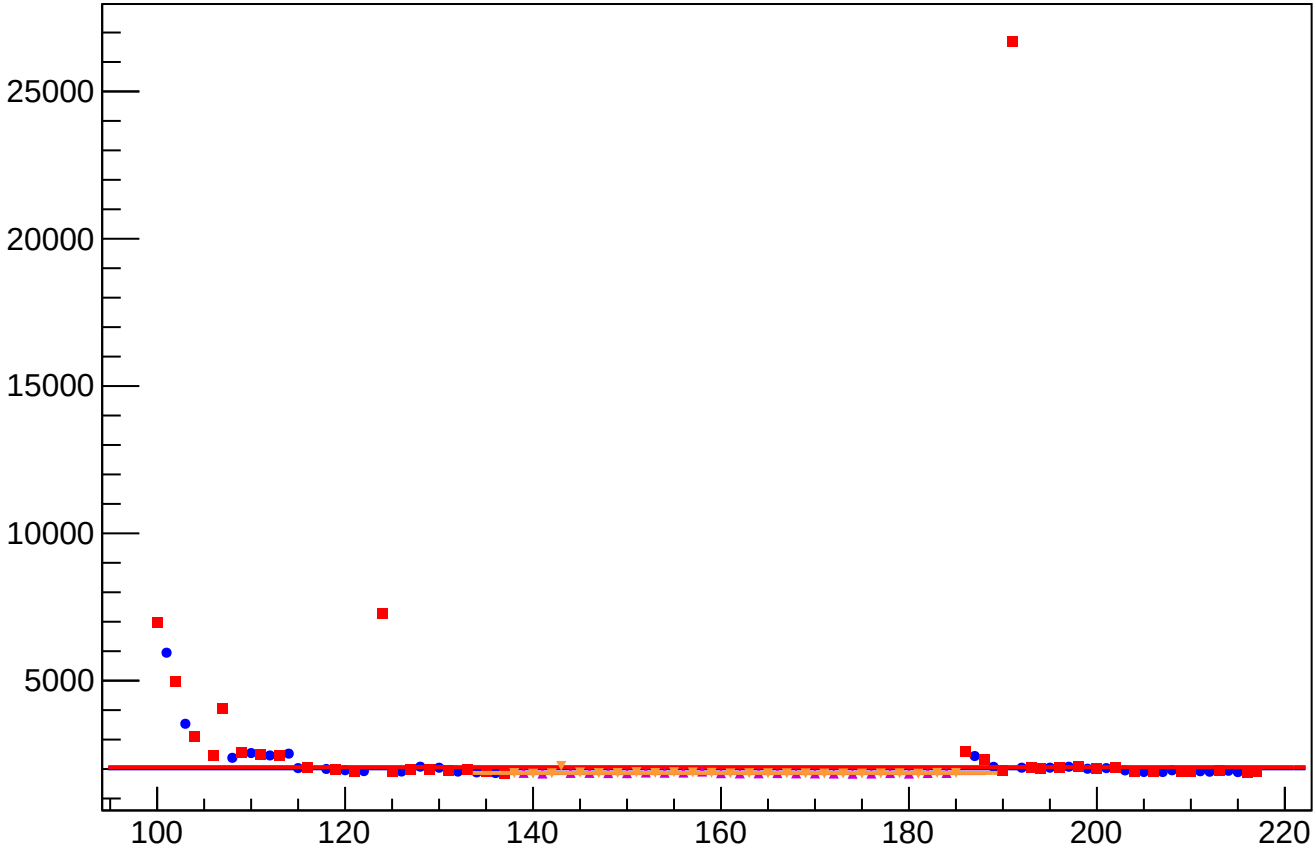
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -820.806+/-314.077 χ^2/NDF: 57.1/55

All: -404.077+/-223.183 χ^2/NDF: 144.4/114

- sign 20.990+/-317.203 χ^2/NDF: 83.7/58

asym_at1_dd_rms vs Slug



Right In: 2024.249+/-0.330 χ^2/NDF: 961776.3/30

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2064.624+/-0.328 χ^2/NDF: 1430145.8/35

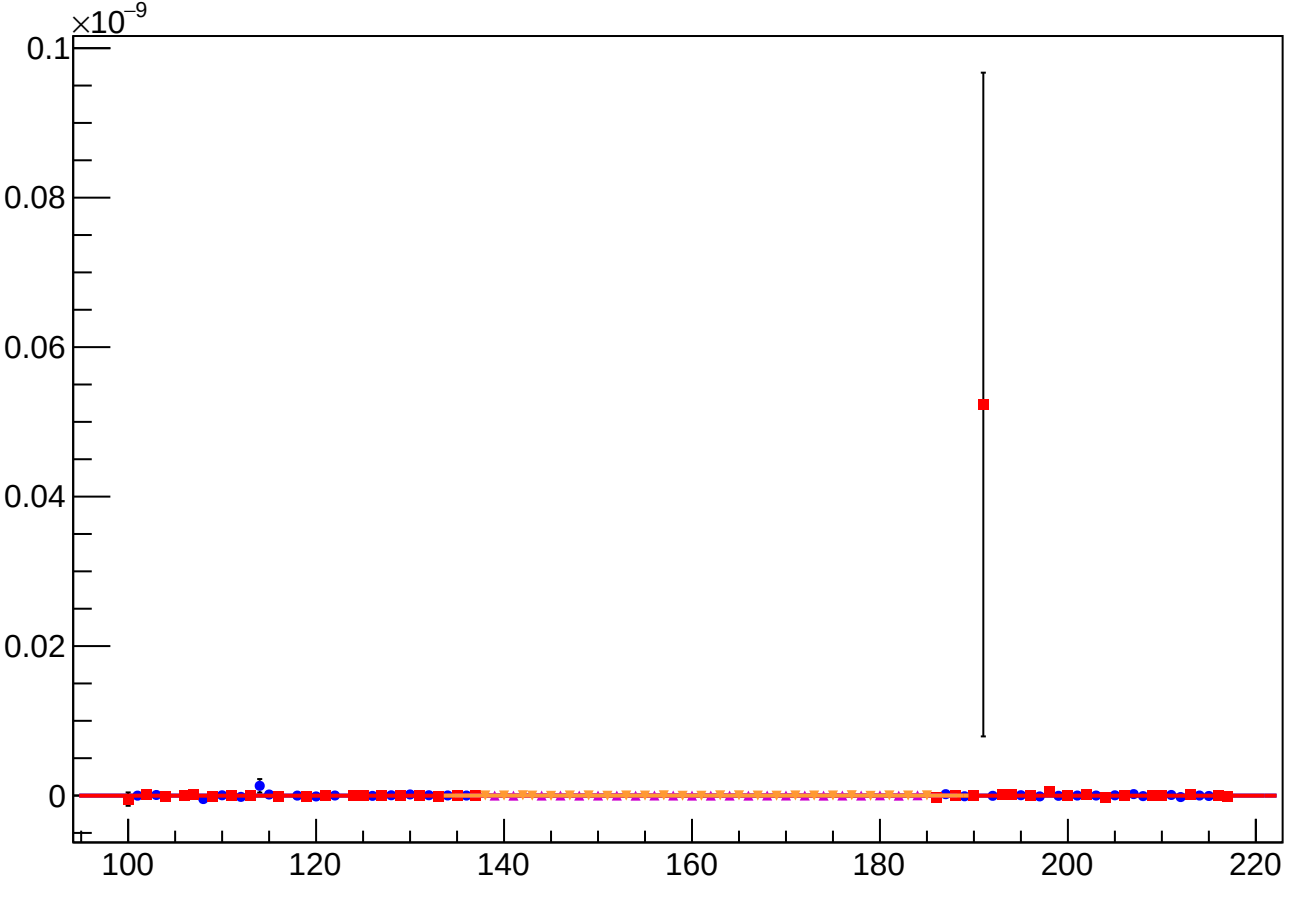
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1939.290+/-0.222 χ^2/NDF: 1106269.6/55

All: 1948.204+/-0.158 χ^2/NDF: 2743920.8/11

- sign 1957.296+/-0.224 χ^2/NDF: 1634397.1/58

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/35

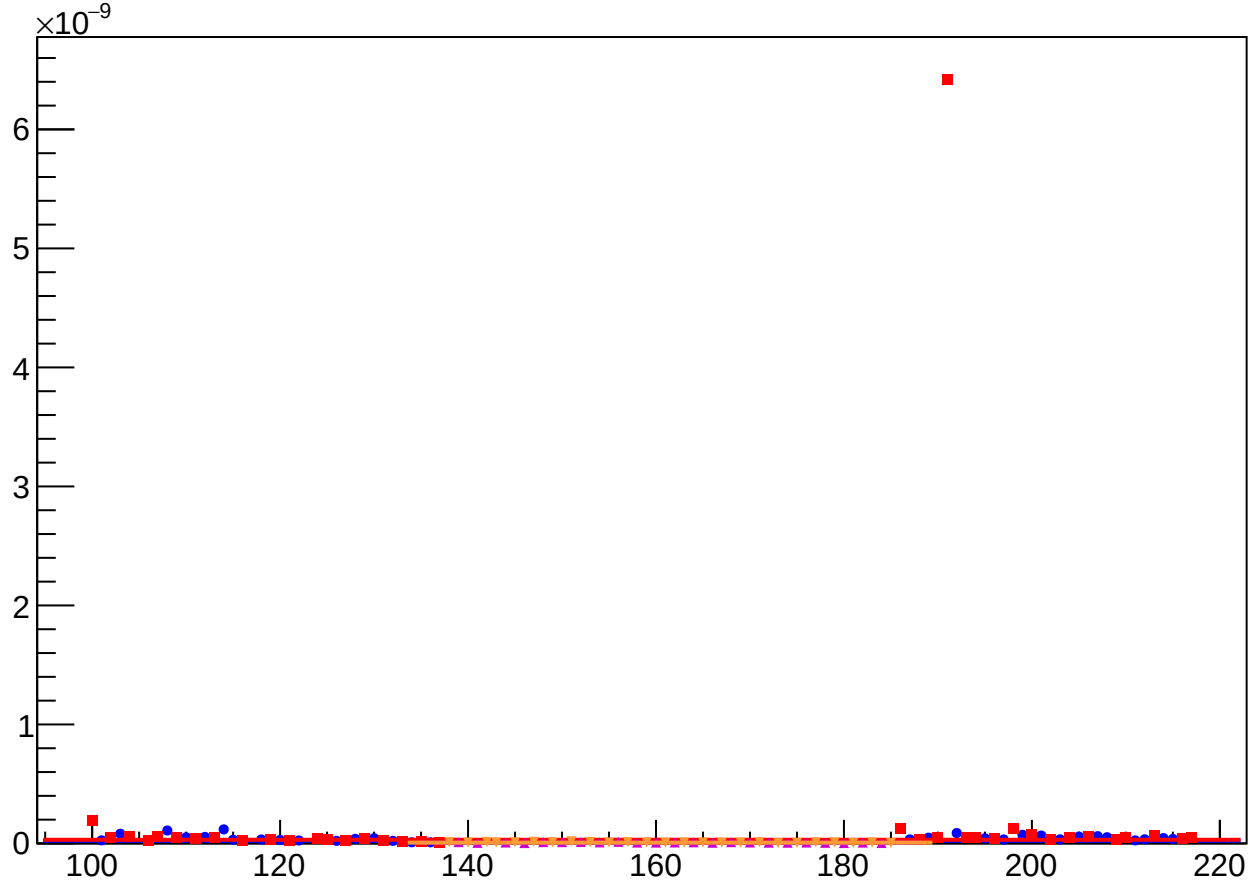
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.5/55

All: 0.000+/-0.000 χ^2/NDF: 134.8/114

- sign 0.000+/-0.000 χ^2/NDF: 54.6/58

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5484371.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3901815.4/35

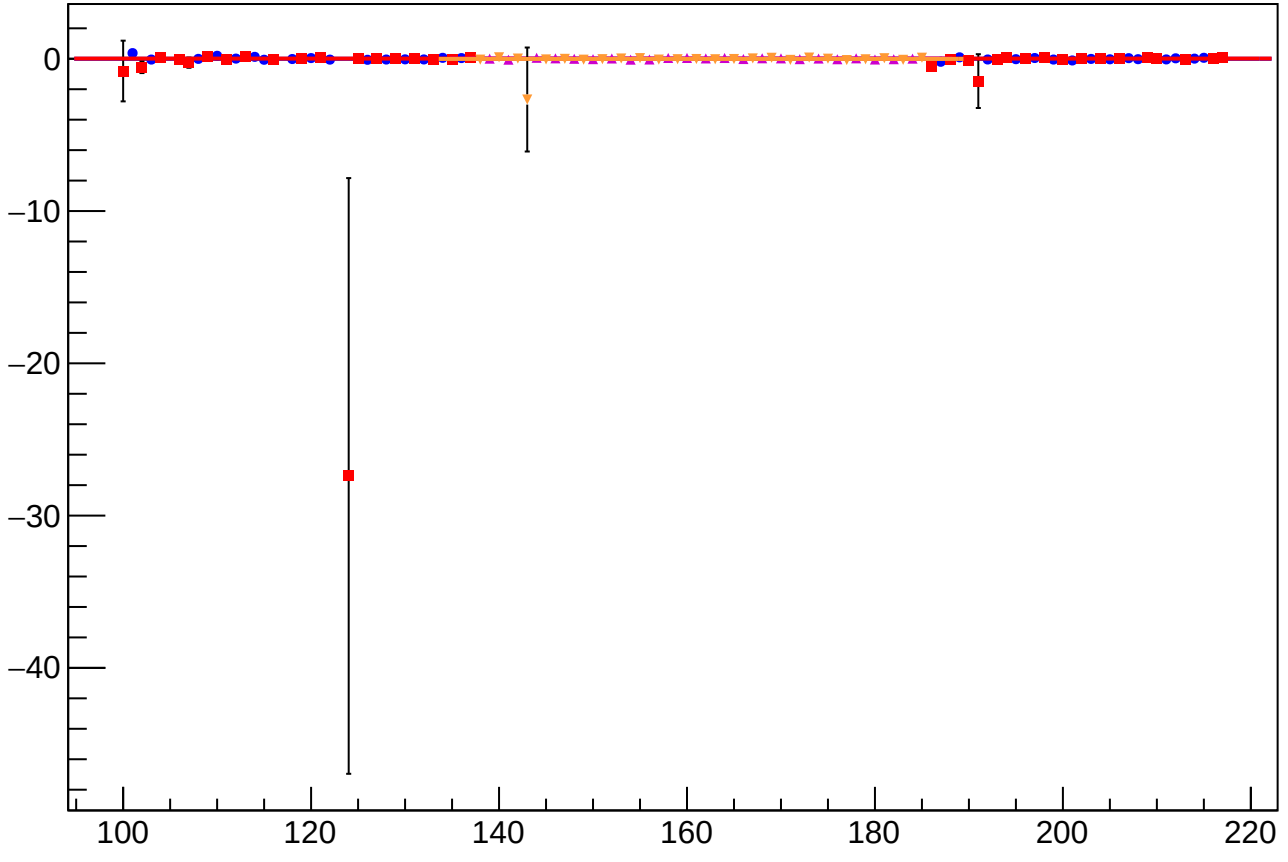
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11384427.1/55

All: 0.000+/-0.000 χ^2/NDF: 23353824.6/114

- sign 0.000+/-0.000 χ^2/NDF: 11965645.2/58

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

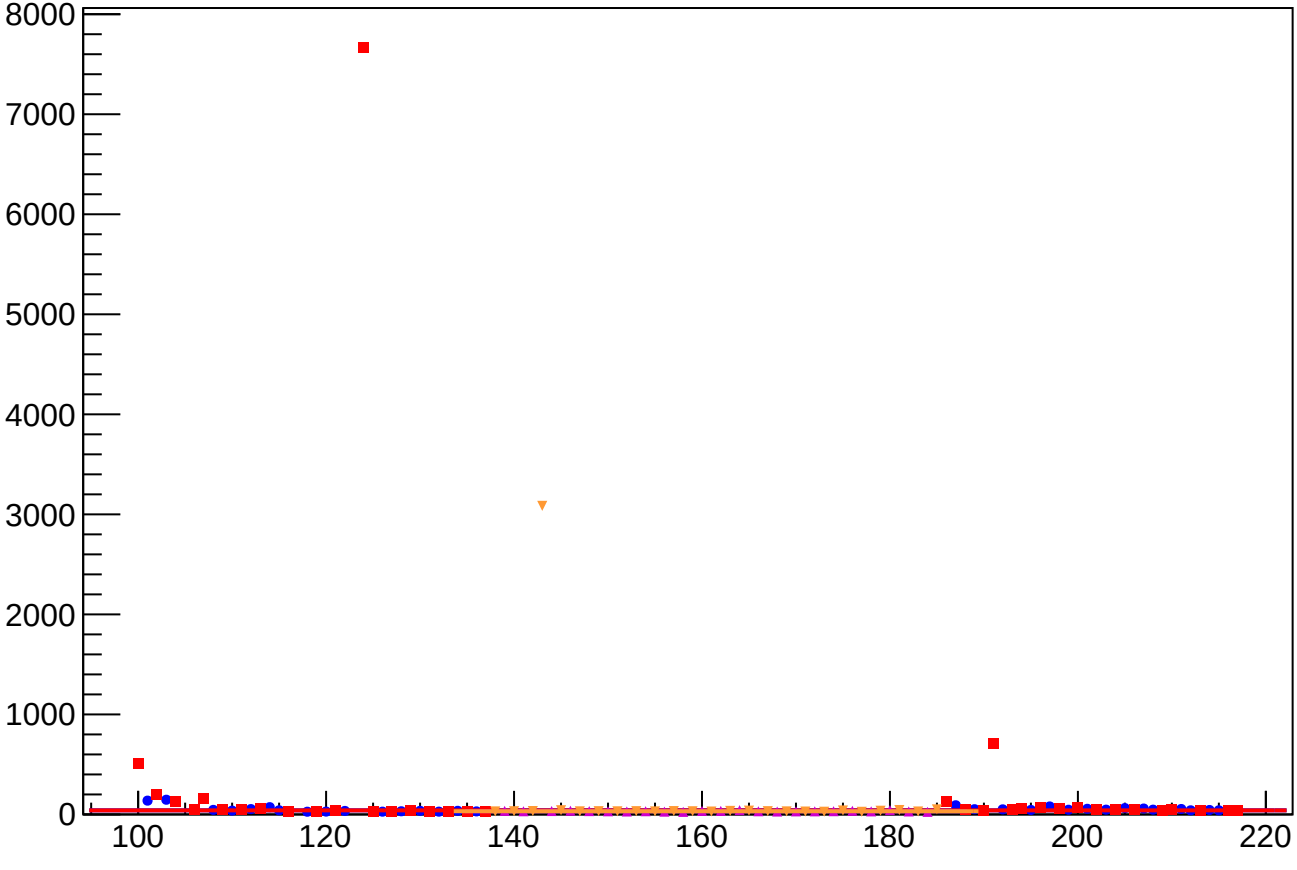
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 71.5/55

All: -0.000+/-0.005 χ^2/NDF: 125.0/114

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.351+/-0.008 χ^2/NDF: 3363872.6/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

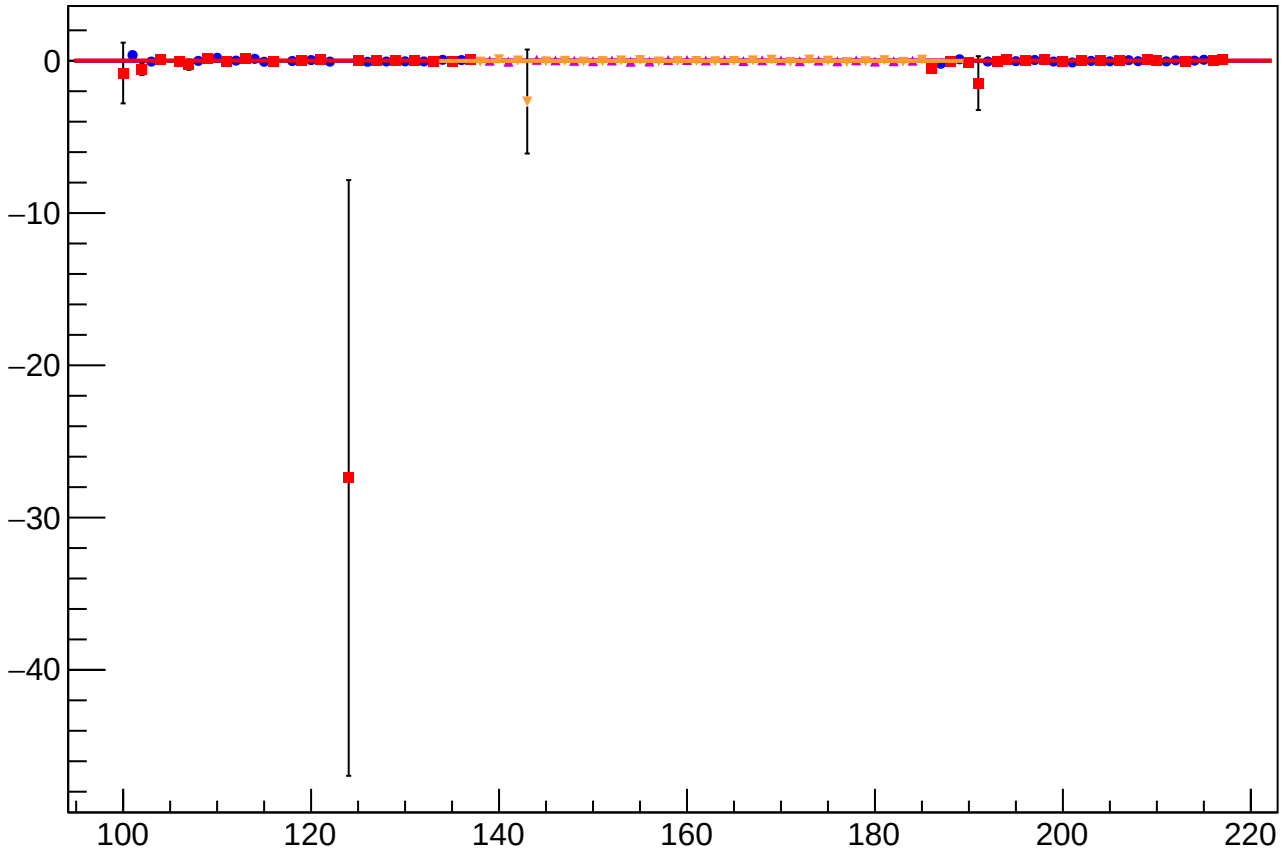
Right Out: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.634+/-0.005 χ^2/NDF: 6383697.7/55

All: 35.641+/-0.003 χ^2/NDF: 11964342.6/114

- sign 35.649+/-0.005 χ^2/NDF: 5580639.4/58



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

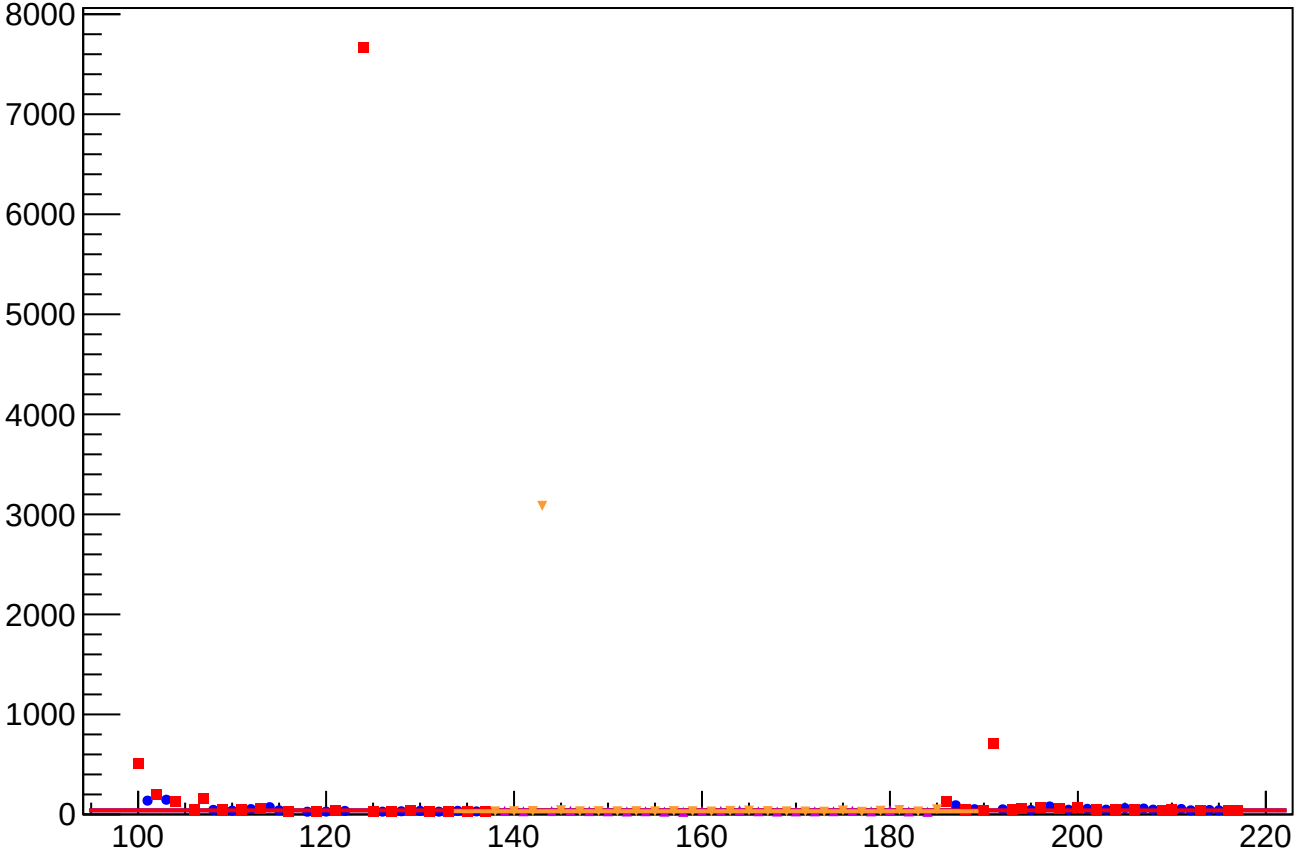
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

\+ sign -0.007+/-0.007 χ^2/NDF: 71.5/55

All: -0.000+/-0.005 χ^2/NDF: 125.0/114

\- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.351+/-0.008 χ^2/NDF: 3363872.6/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

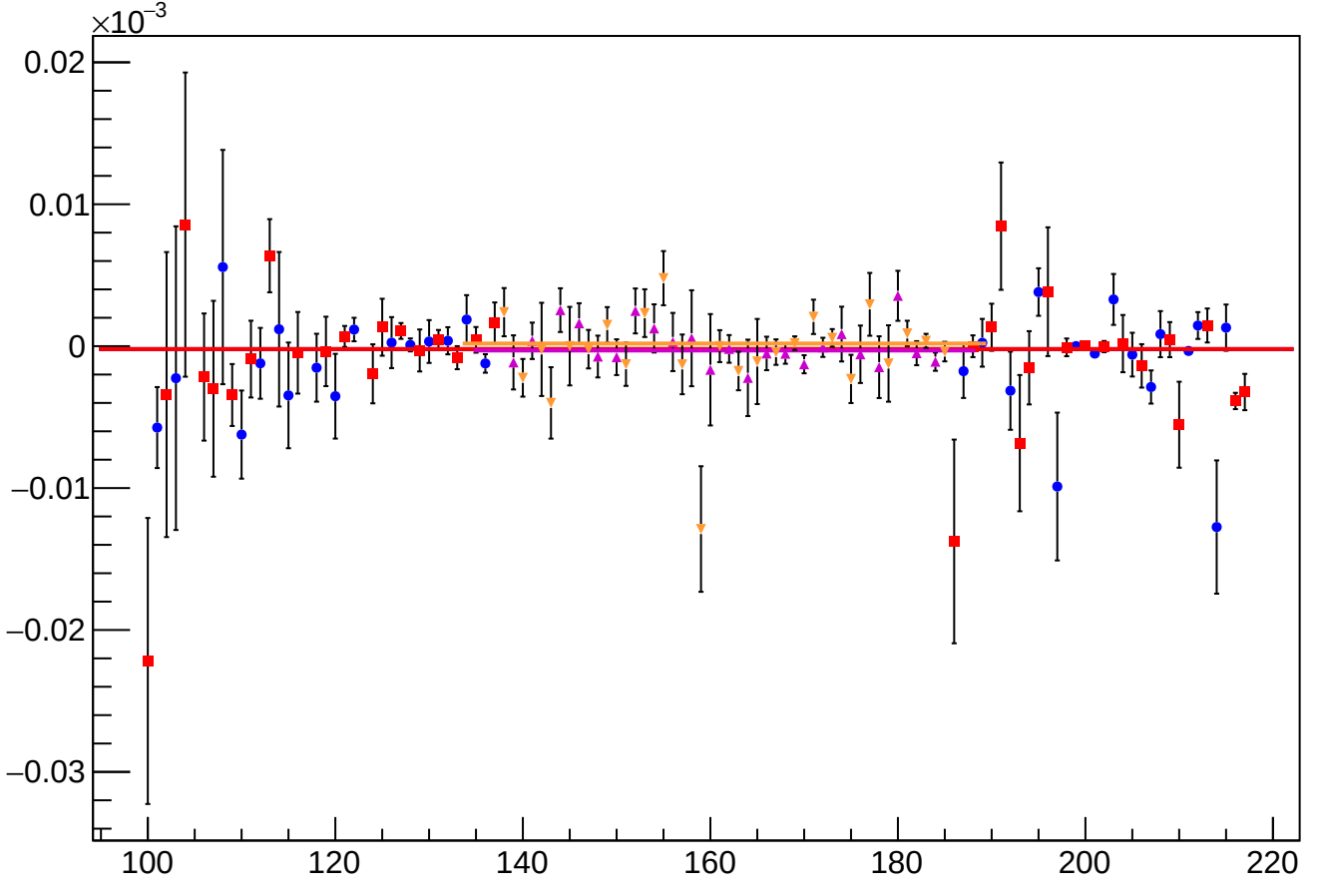
Right Out: 40.884+/-0.007 χ^2/NDF: 4359079.5/35

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.634+/-0.005 χ^2/NDF: 6383697.7/55

All: 35.641+/-0.003 χ^2/NDF: 11964342.6/114

- sign 35.649+/-0.005 χ^2/NDF: 5580639.4/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

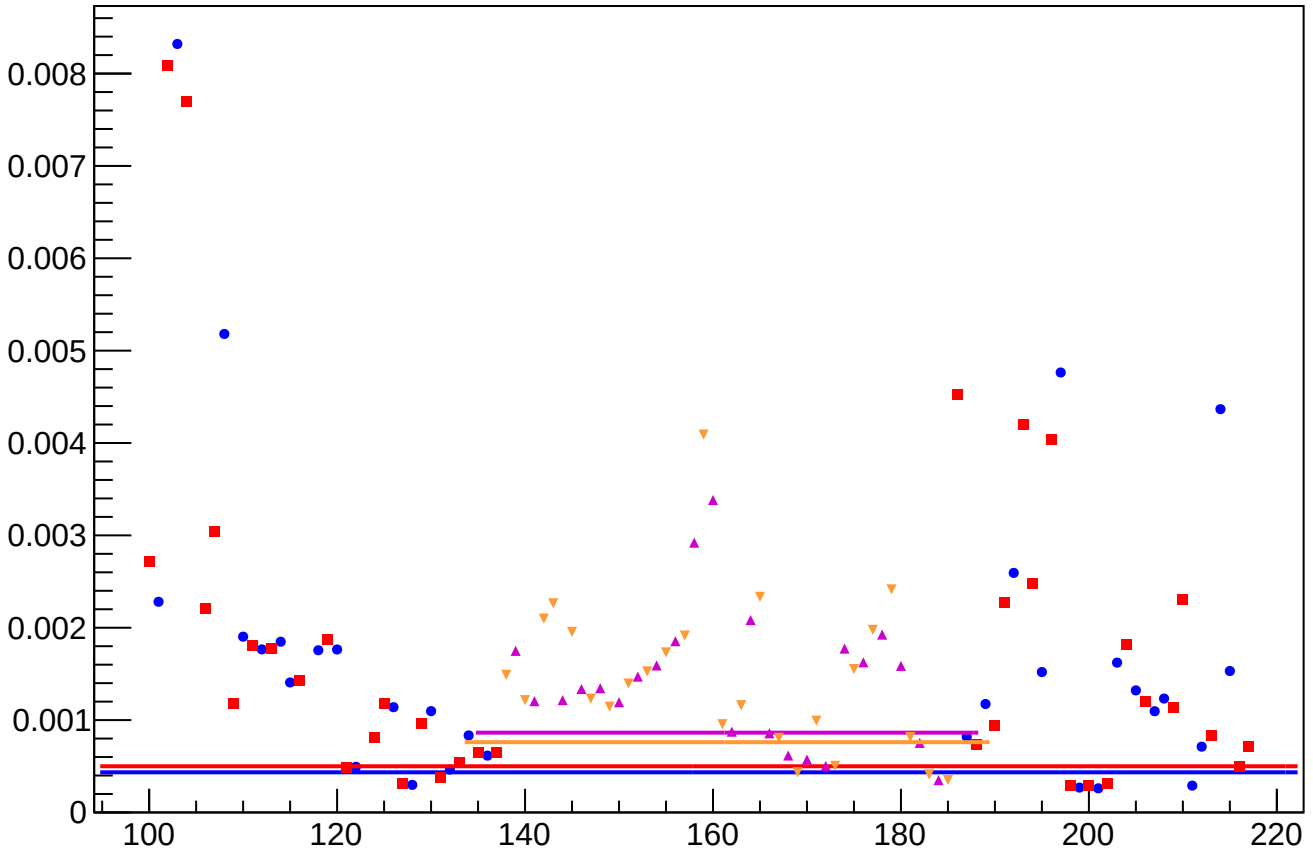
Right Out: -0.000+/-0.000 χ^2/NDF: 90.5/35

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.7/55

All: -0.000+/-0.000 χ^2/NDF: 203.3/114

- sign -0.000+/-0.000 χ^2/NDF: 110.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 16844319.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

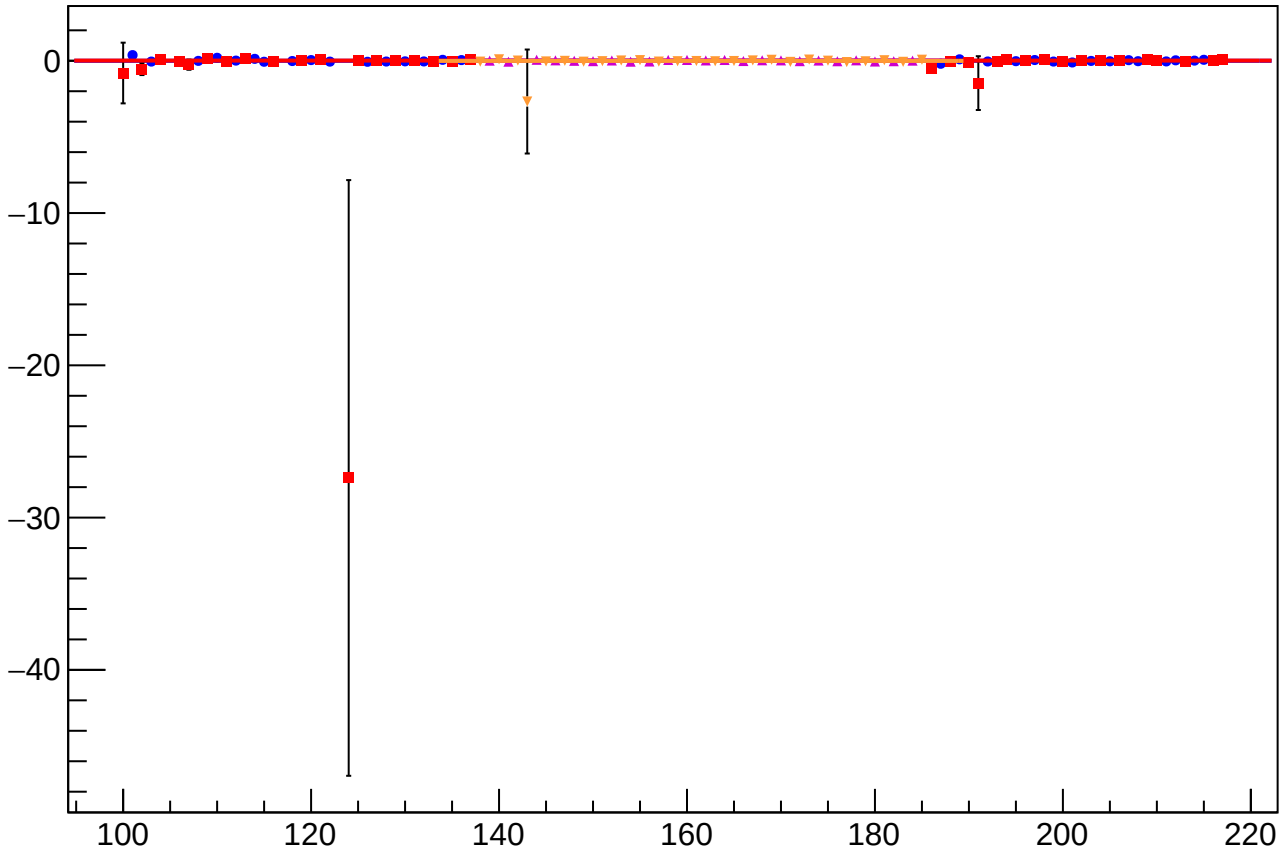
Right Out: 0.001+/-0.000 χ^2/NDF: 14798690.9/35

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 31190680.8/55

All: 0.001+/-0.000 χ^2/NDF: 58001912.2/114

\- sign 0.001+/-0.000 χ^2/NDF: 26451158.5/58



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

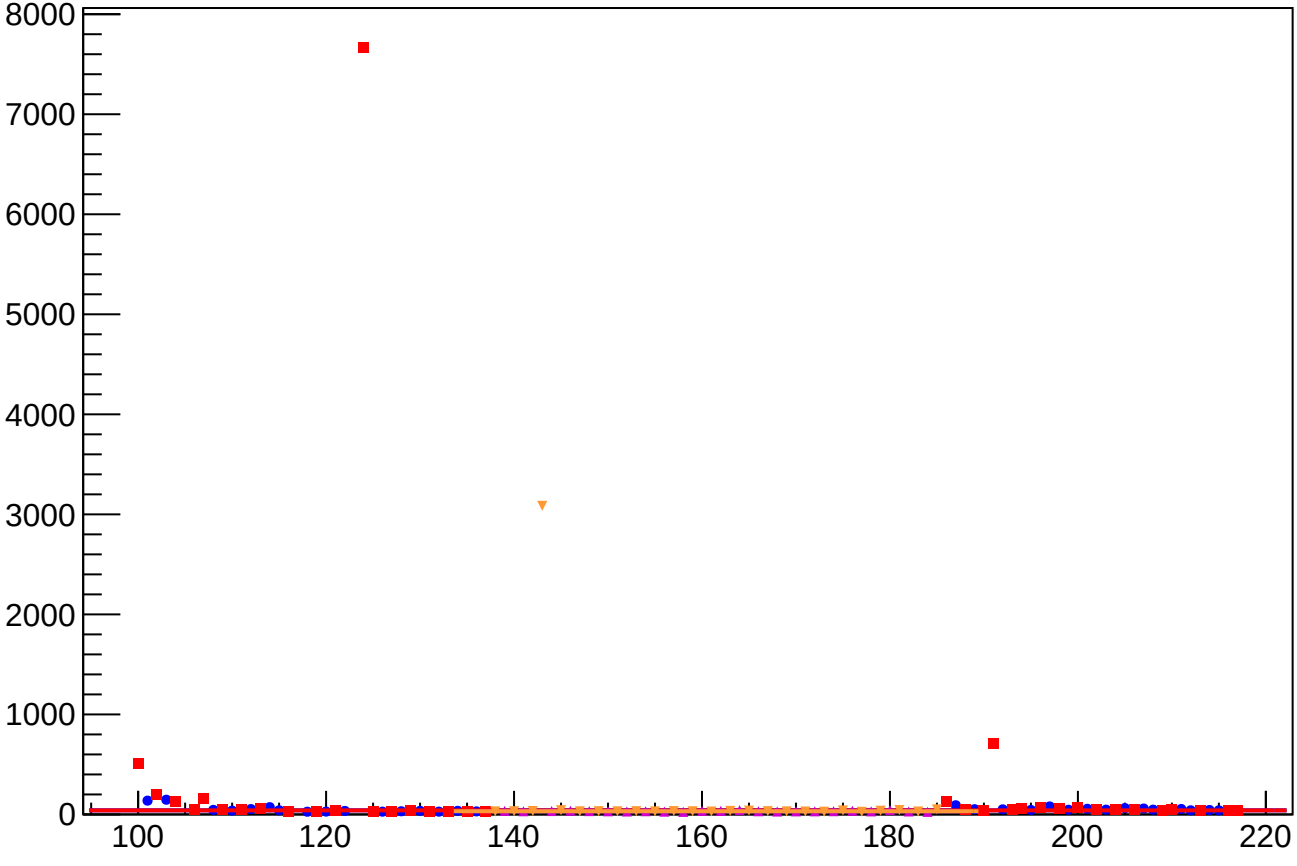
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 71.5/55

All: -0.000+/-0.005 χ^2/NDF: 125.0/114

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.351+/-0.008 χ^2/NDF: 3363865.7/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

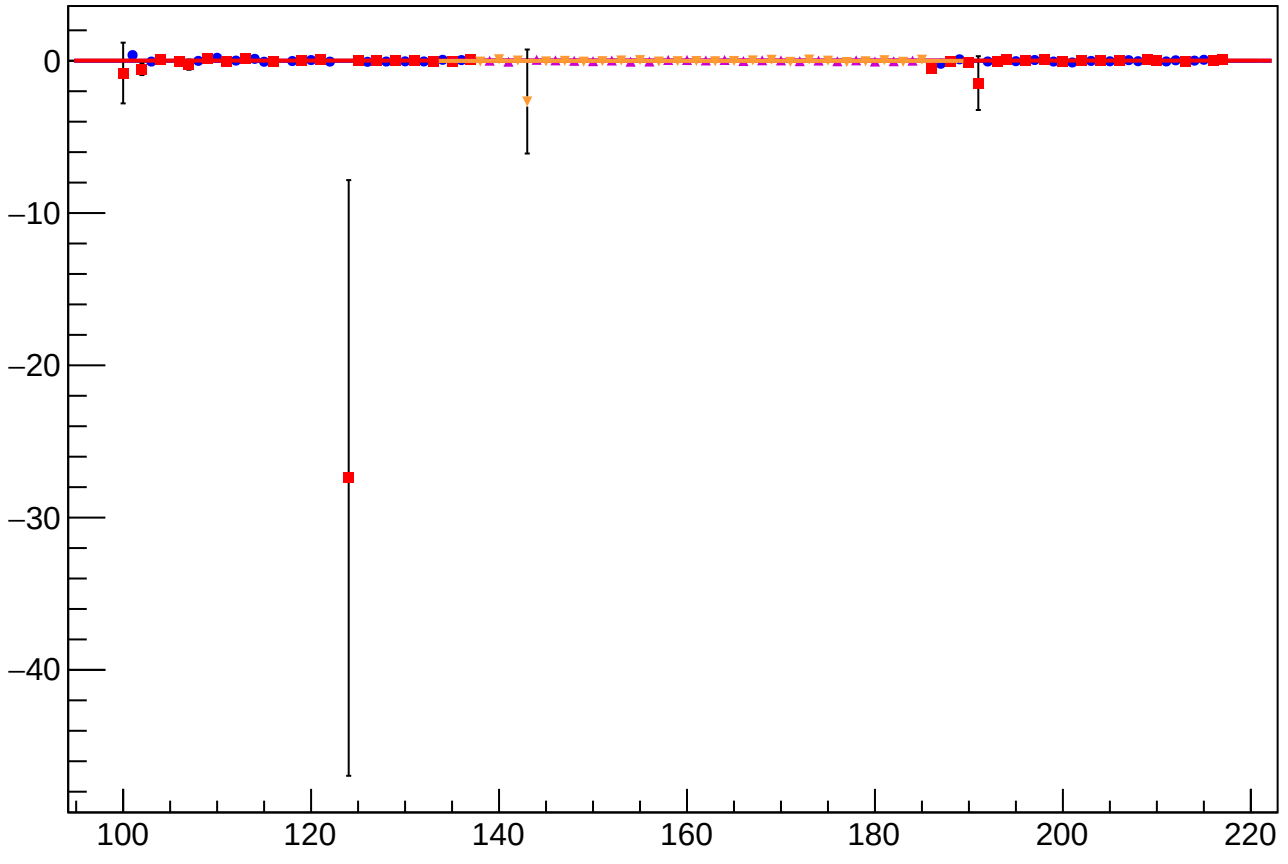
Right Out: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.634+/-0.005 χ^2/NDF: 6383749.7/55

All: 35.641+/-0.003 χ^2/NDF: 11964280.1/114

- sign 35.649+/-0.005 χ^2/NDF: 5580524.7/58



Right In: -0.002+/-0.011 χ^2/NDF: 31.6/30

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.012+/-0.011 χ^2/NDF: 30.0/35

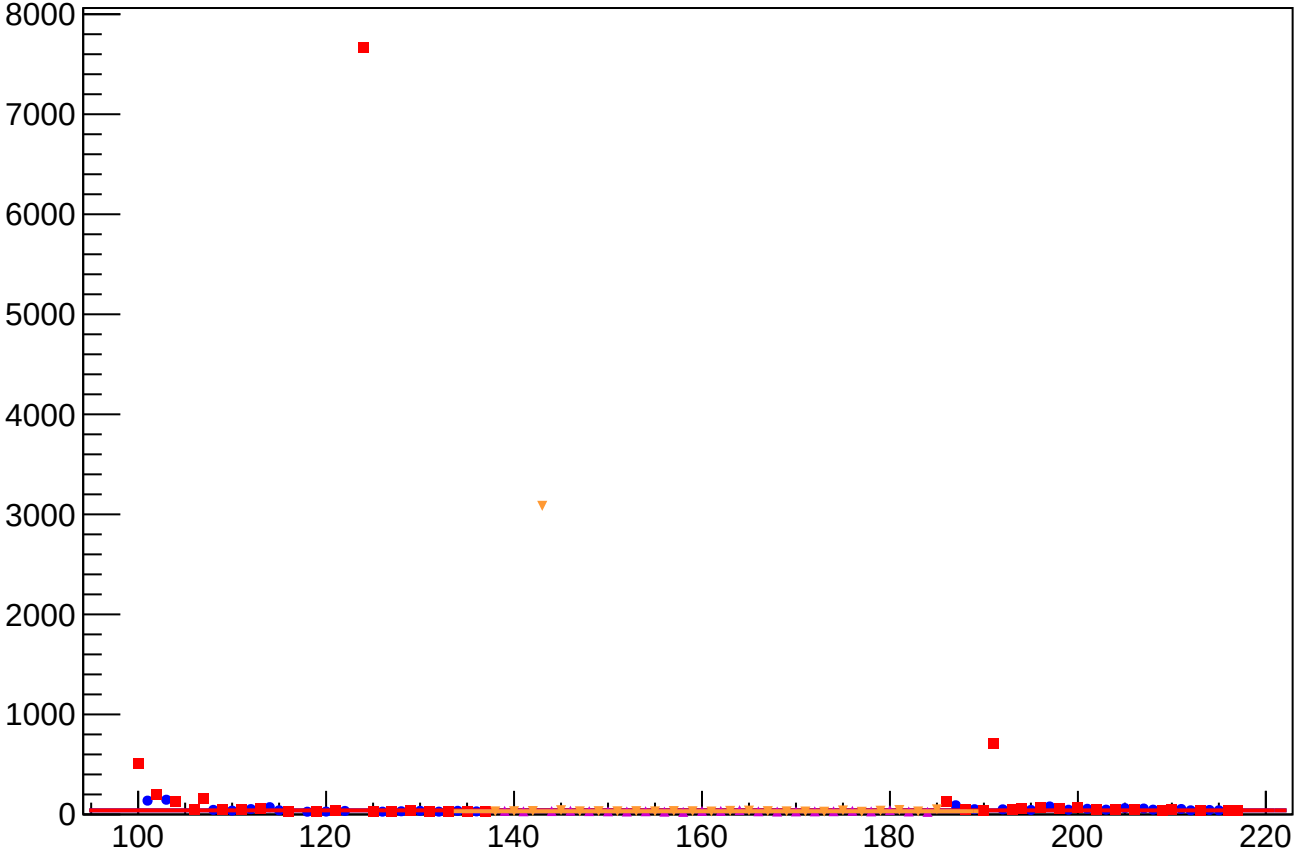
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.007+/-0.007 χ^2/NDF: 71.5/55

All: -0.000+/-0.005 χ^2/NDF: 125.0/114

- sign 0.007+/-0.007 χ^2/NDF: 51.3/58

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.351+/-0.008 χ^2/NDF: 3363865.7/30

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

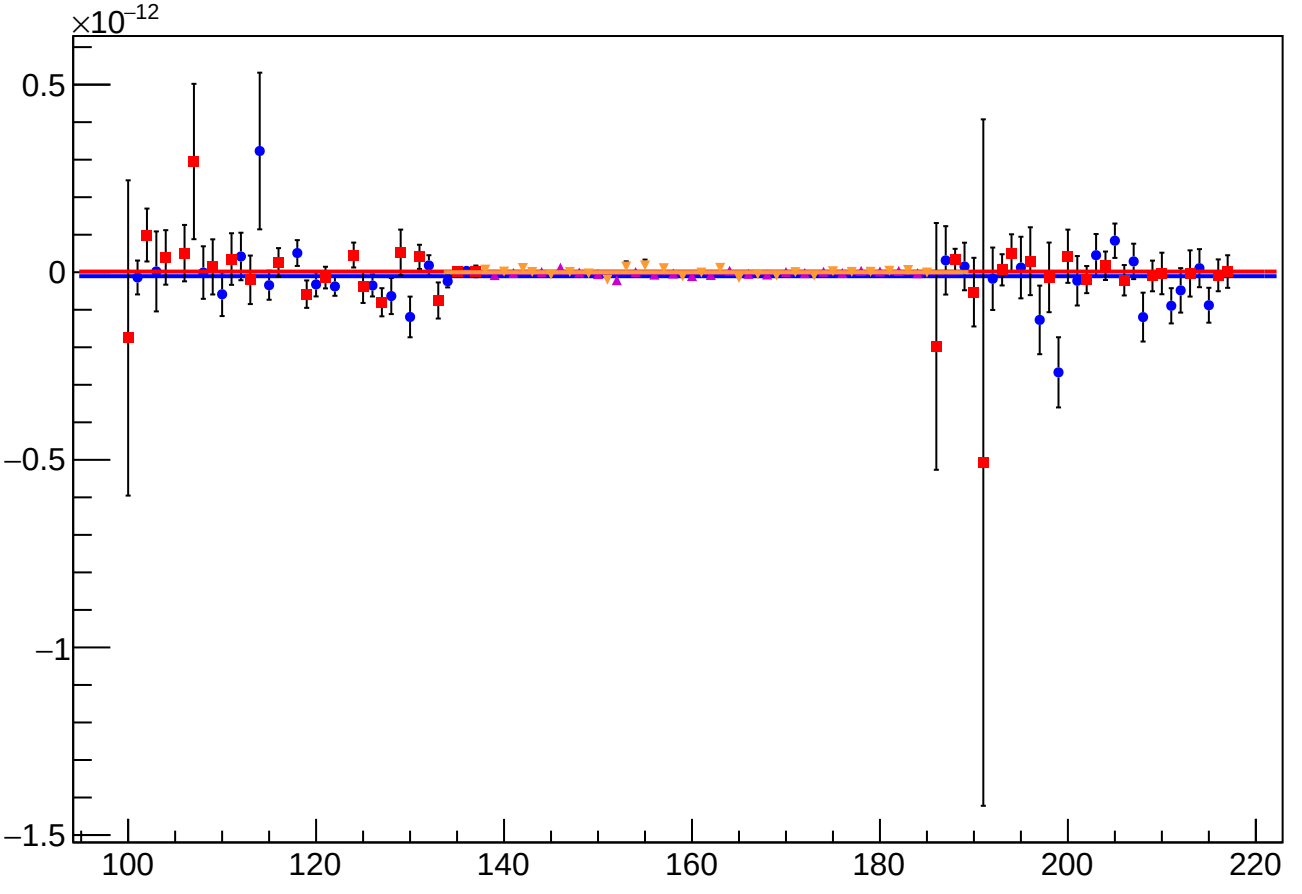
Right Out: 40.884+/-0.007 χ^2/NDF: 4359094.4/35

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.634+/-0.005 χ^2/NDF: 6383749.7/55

All: 35.641+/-0.003 χ^2/NDF: 11964280.1/114

- sign 35.649+/-0.005 χ^2/NDF: 5580524.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

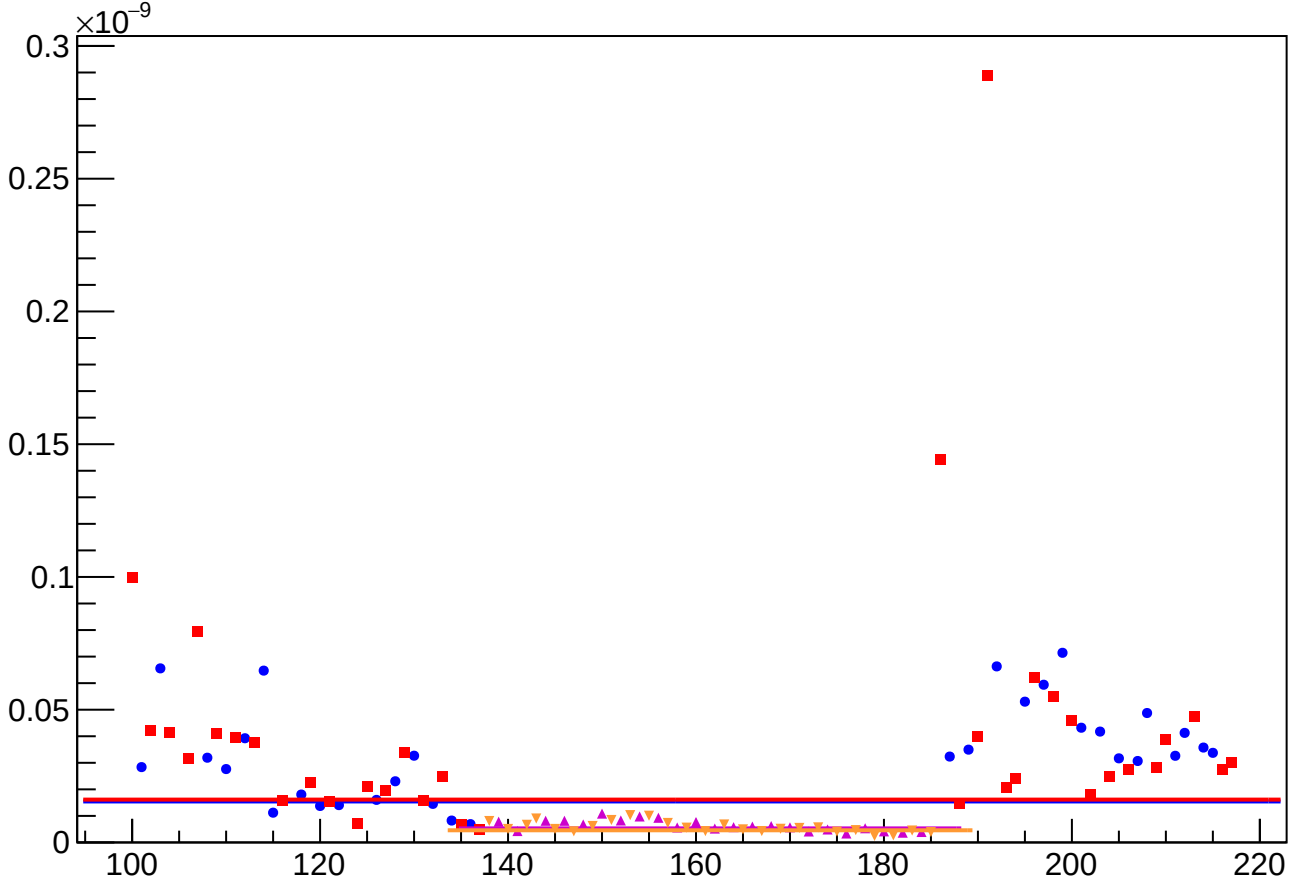
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/35

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/55

All: -0.000+/-0.000 χ^2/NDF: 102.8/114

- sign -0.000+/-0.000 χ^2/NDF: 34.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 9291611.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7912057.5/35

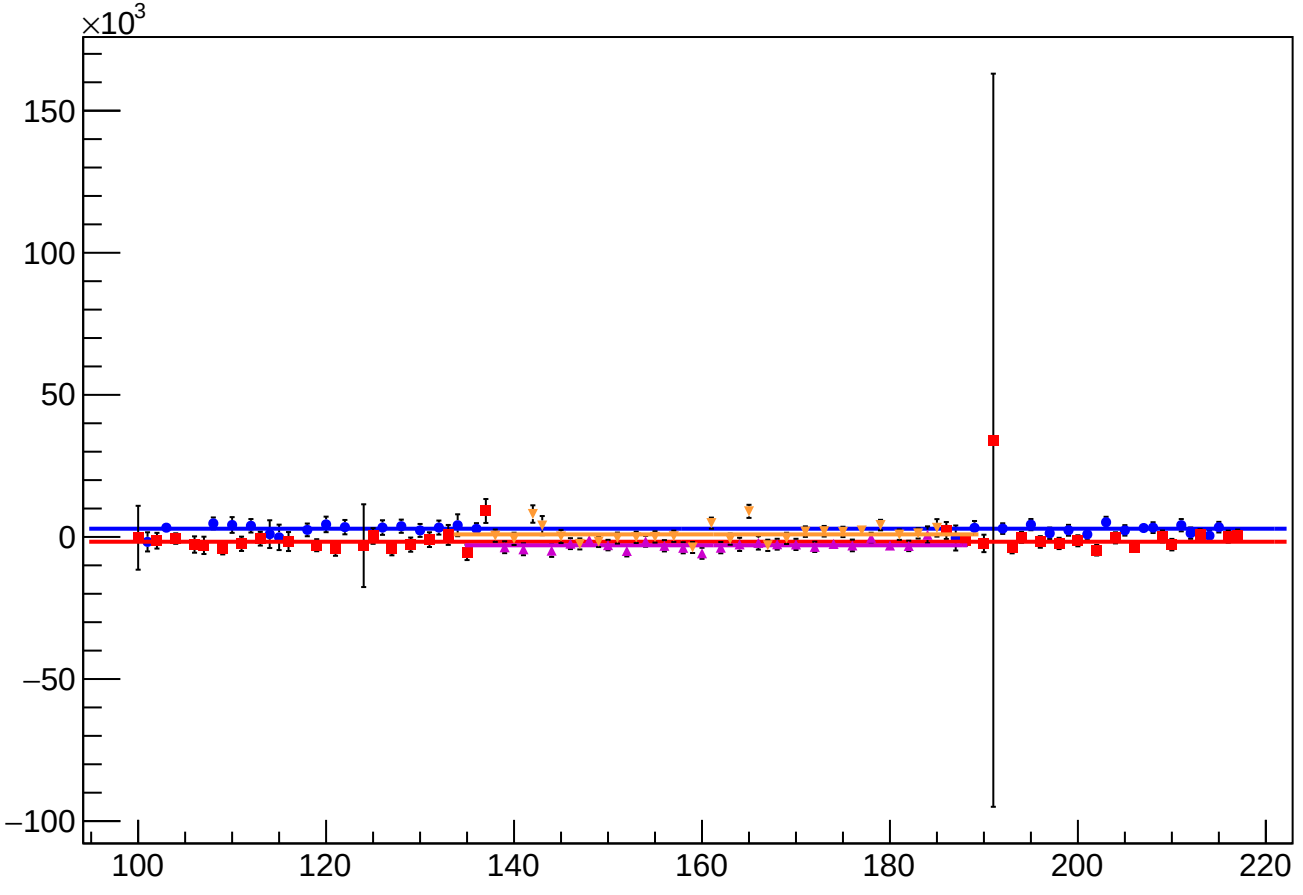
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18452334.0/55

All: 0.000+/-0.000 χ^2/NDF: 34602797.4/114

- sign 0.000+/-0.000 χ^2/NDF: 15866159.4/58

reg_asym_at2_avg_mean vs Slug



Right In: 2897.701+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.142+/-392.164 χ^2/NDF: 27.3/35

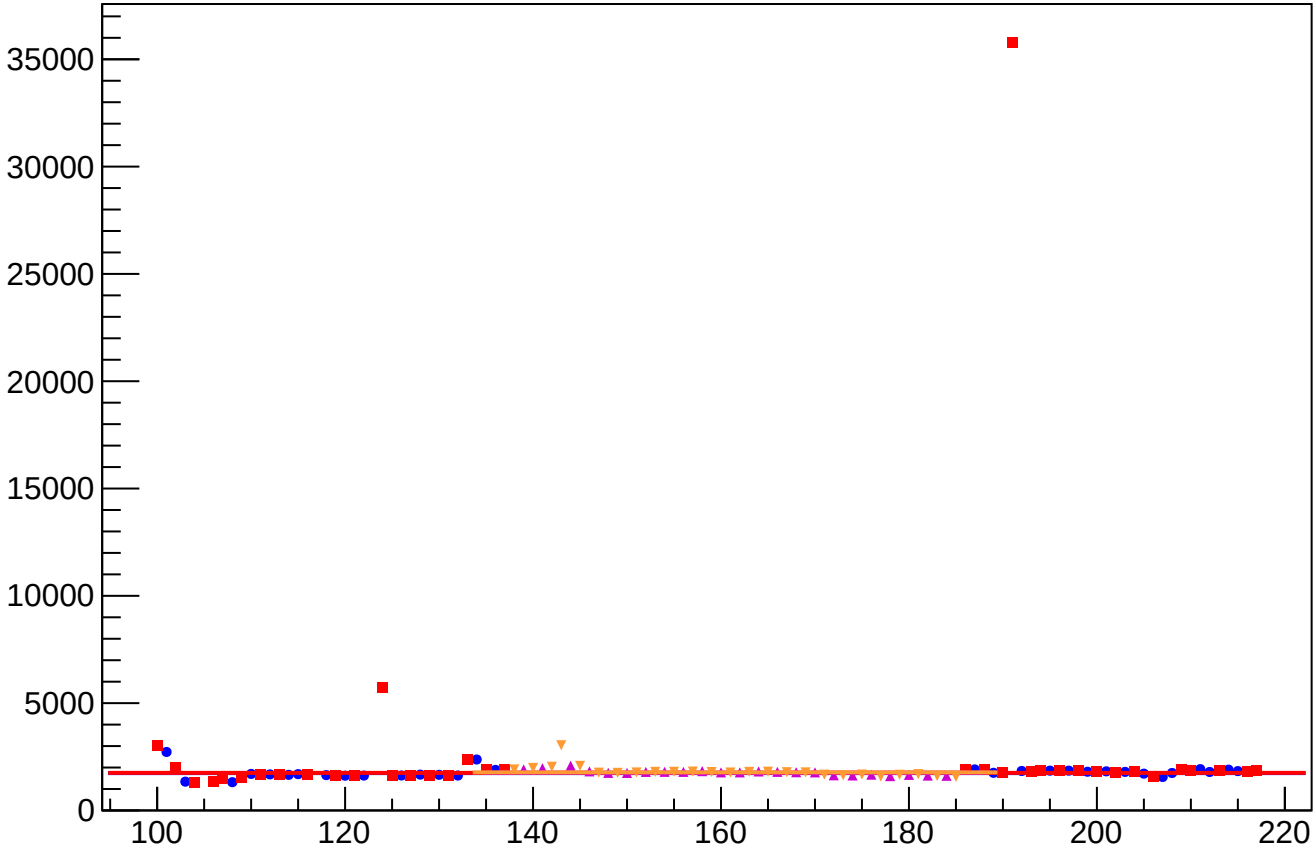
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1913.617+/-284.556 χ^2/NDF: 69.0/55

All: -188.790+/-201.042 χ^2/NDF: 220.7/114

- sign -2284.143+/-284.078 χ^2/NDF: 42.7/58

reg_asym_at2_avg_rms vs Slug



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.4/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735597.8/35

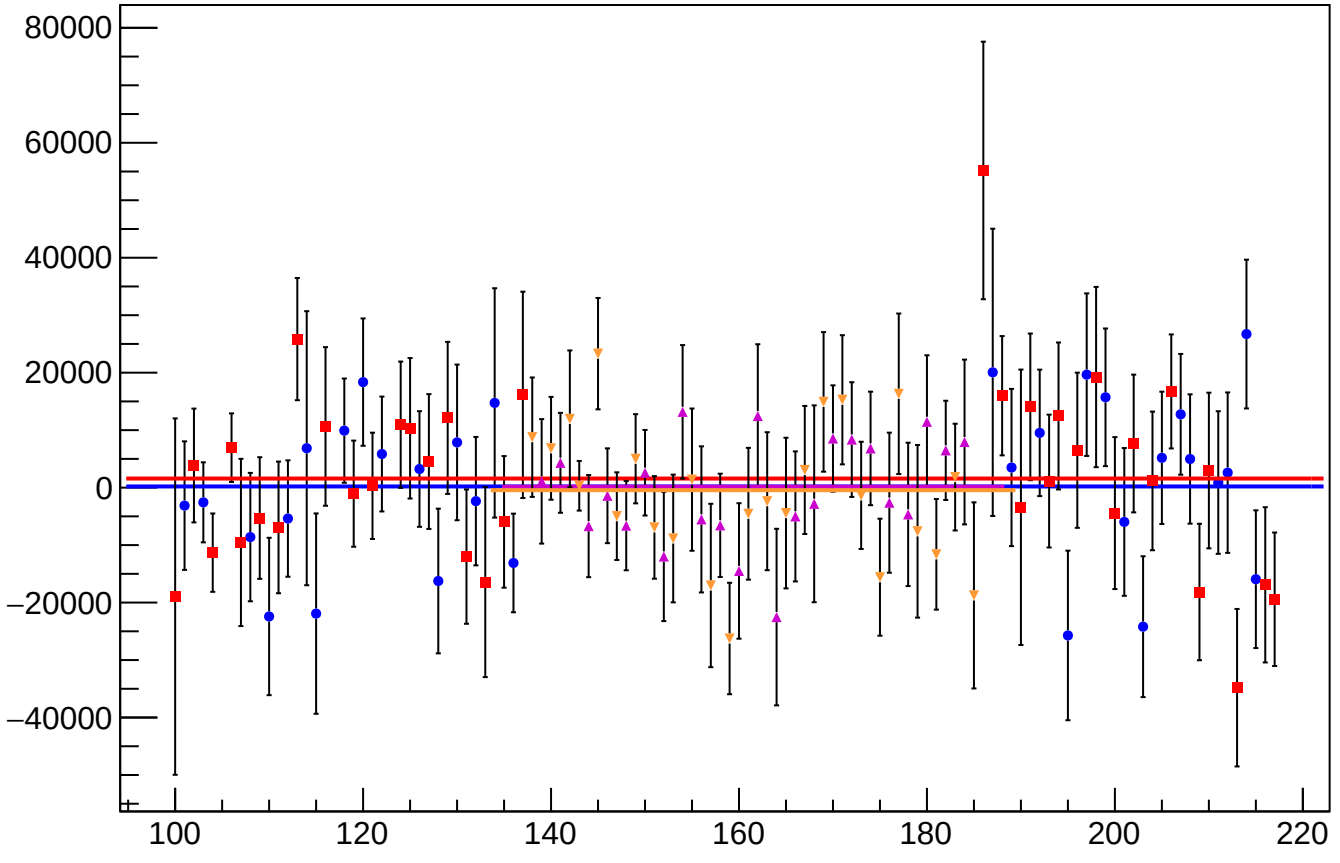
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1757.462+/-0.201 χ^2/NDF: 986683.5/55

All: 1756.570+/-0.142 χ^2/NDF: 1869243.4/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.7/58

asym_at2_avg_reg_correction_mean vs Slug



Right In: 201.906+/-2101.656 χ^2/NDF: 34.9/30

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1580.477+/-1916.841 χ^2/NDF: 46.3/35

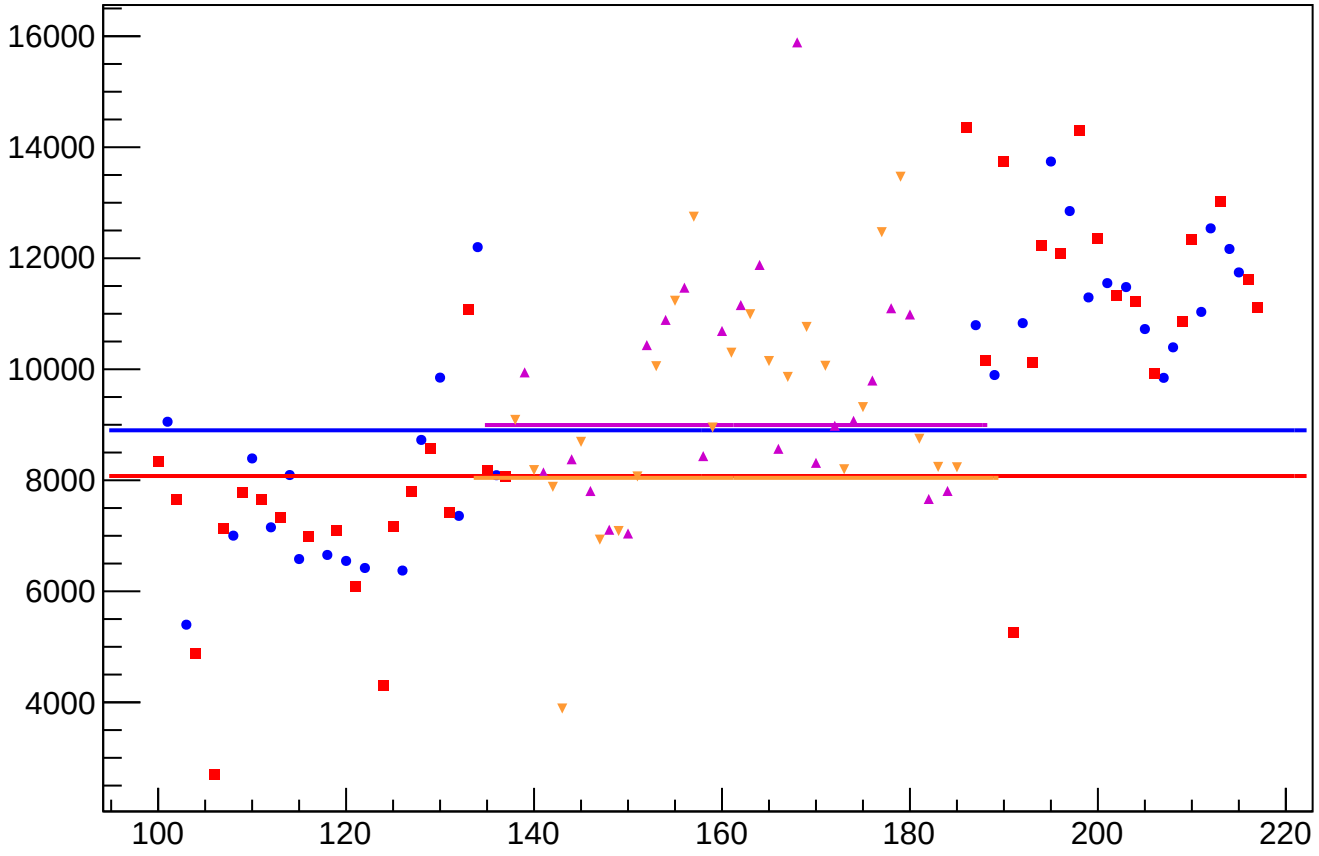
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -148.873+/-1419.775 χ^2/NDF: 64.5/55

All: 395.663+/-1007.124 χ^2/NDF: 125.1/114

- sign 947.181+/-1428.846 χ^2/NDF: 60.3/58

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8900.312+/-1.486 χ^2/NDF: 2492476.5/30

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 8076.971+/-1.355 χ^2/NDF: 5153806.0/35

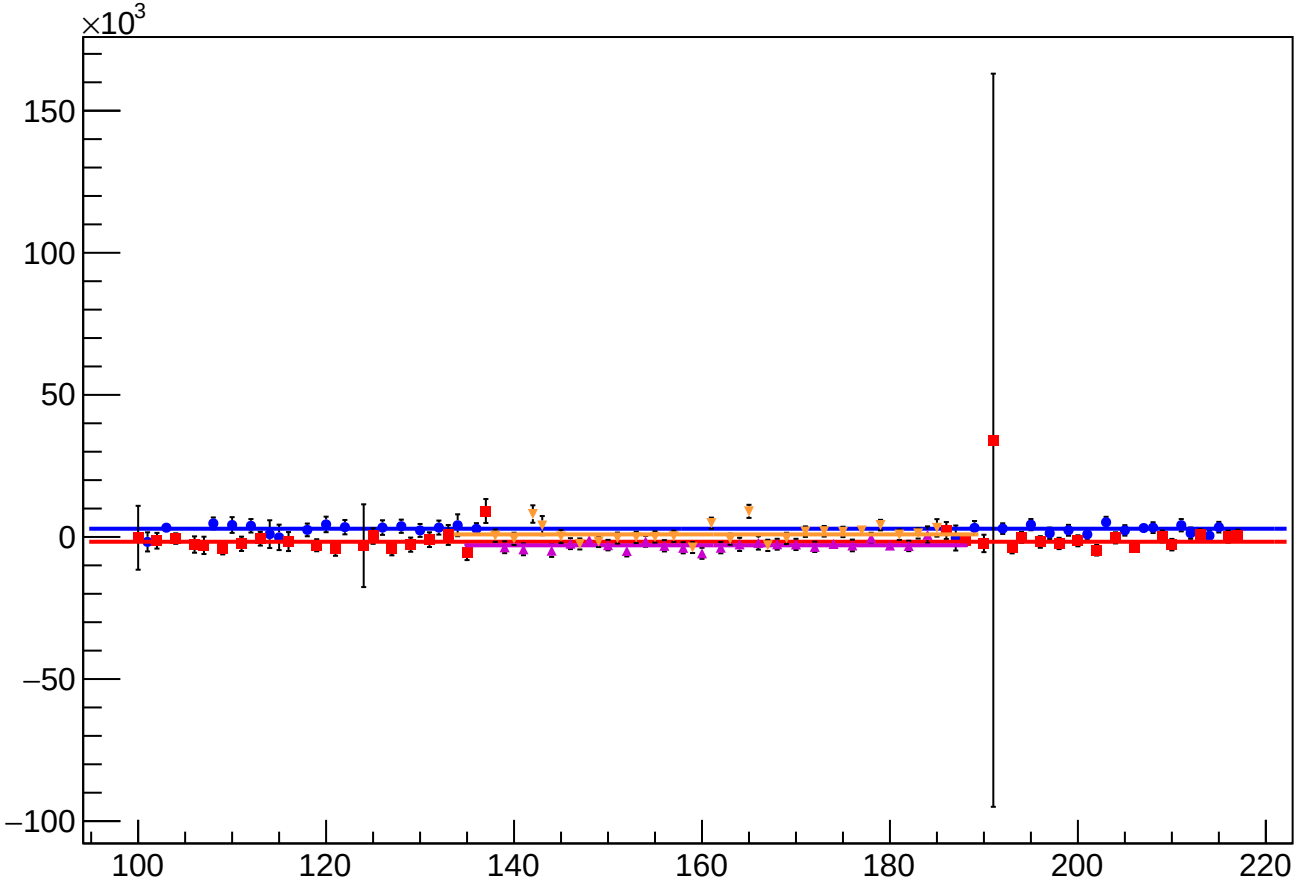
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8434.703+/-1.004 χ^2/NDF: 6035884.3/55

All: 8459.780+/-0.712 χ^2/NDF: 12602202.5/1

- sign 8485.177+/-1.010 χ^2/NDF: 6565062.3/58

cor_asym_at2_avg_mean vs Slug



Right In: 2897.725+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.086+/-392.164 χ^2/NDF: 27.3/35

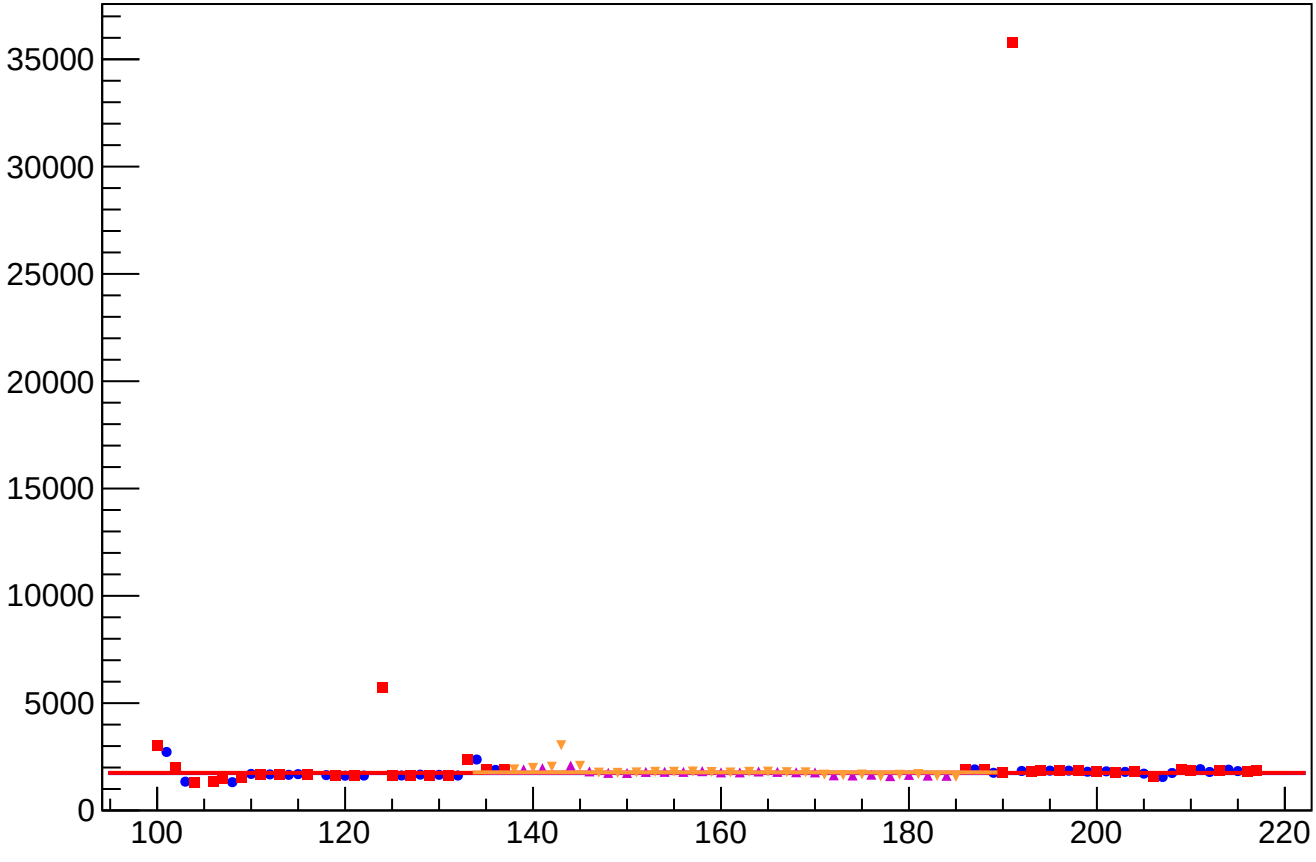
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1913.590+/-284.556 χ^2/NDF: 69.0/55

All: -188.762+/-201.042 χ^2/NDF: 220.7/114

- sign -2284.060+/-284.078 χ^2/NDF: 42.7/58

cor_asym_at2_avg_rms vs Slug



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.8/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

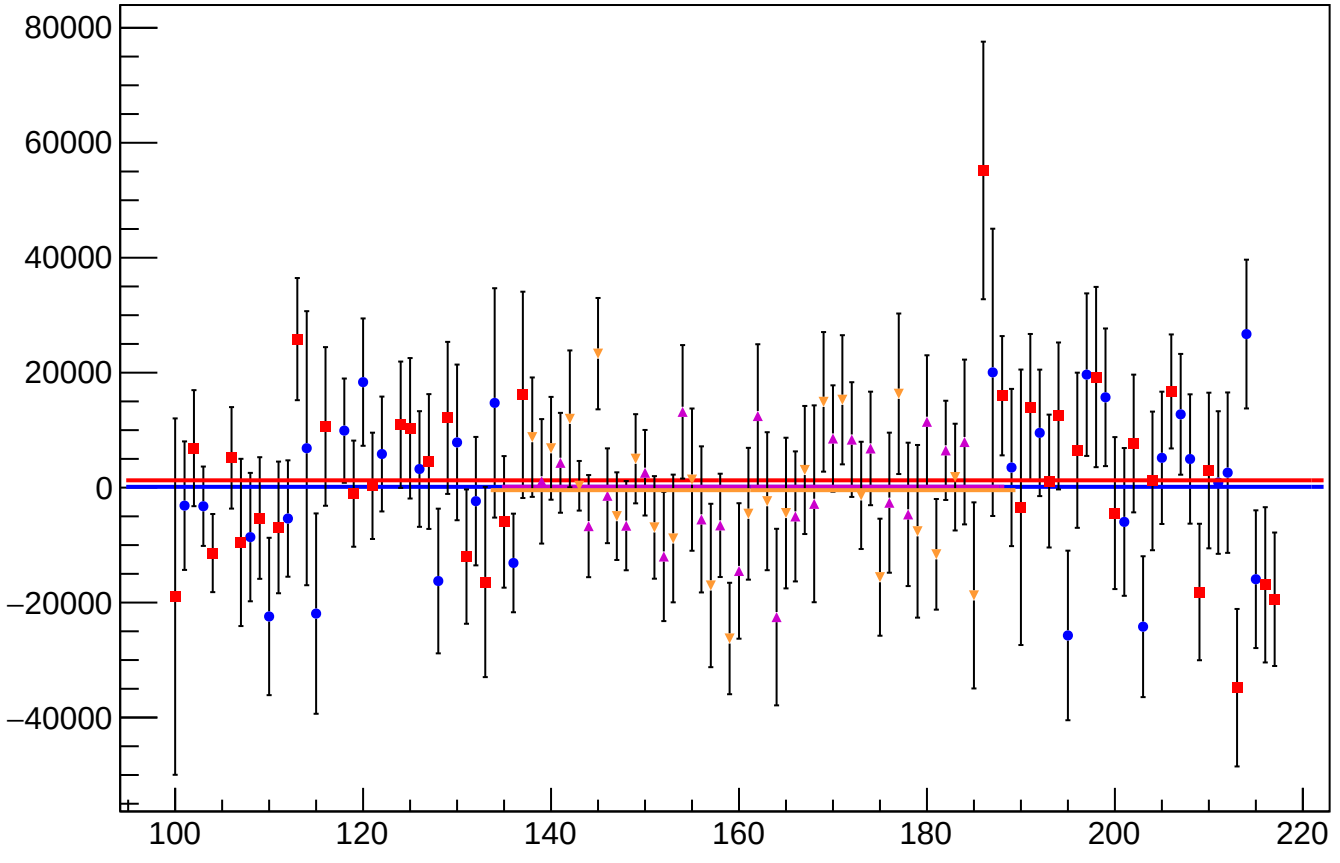
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1757.462+/-0.201 χ^2/NDF: 986683.9/55

All: 1756.570+/-0.142 χ^2/NDF: 1869244.1/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.9/58

asym_at2_avg_cor_correction_mean vs Slug



Right In: 134.724+/-2100.008 χ^2/NDF: 35.0/30

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1270.520+/-1973.996 χ^2/NDF: 45.9/35

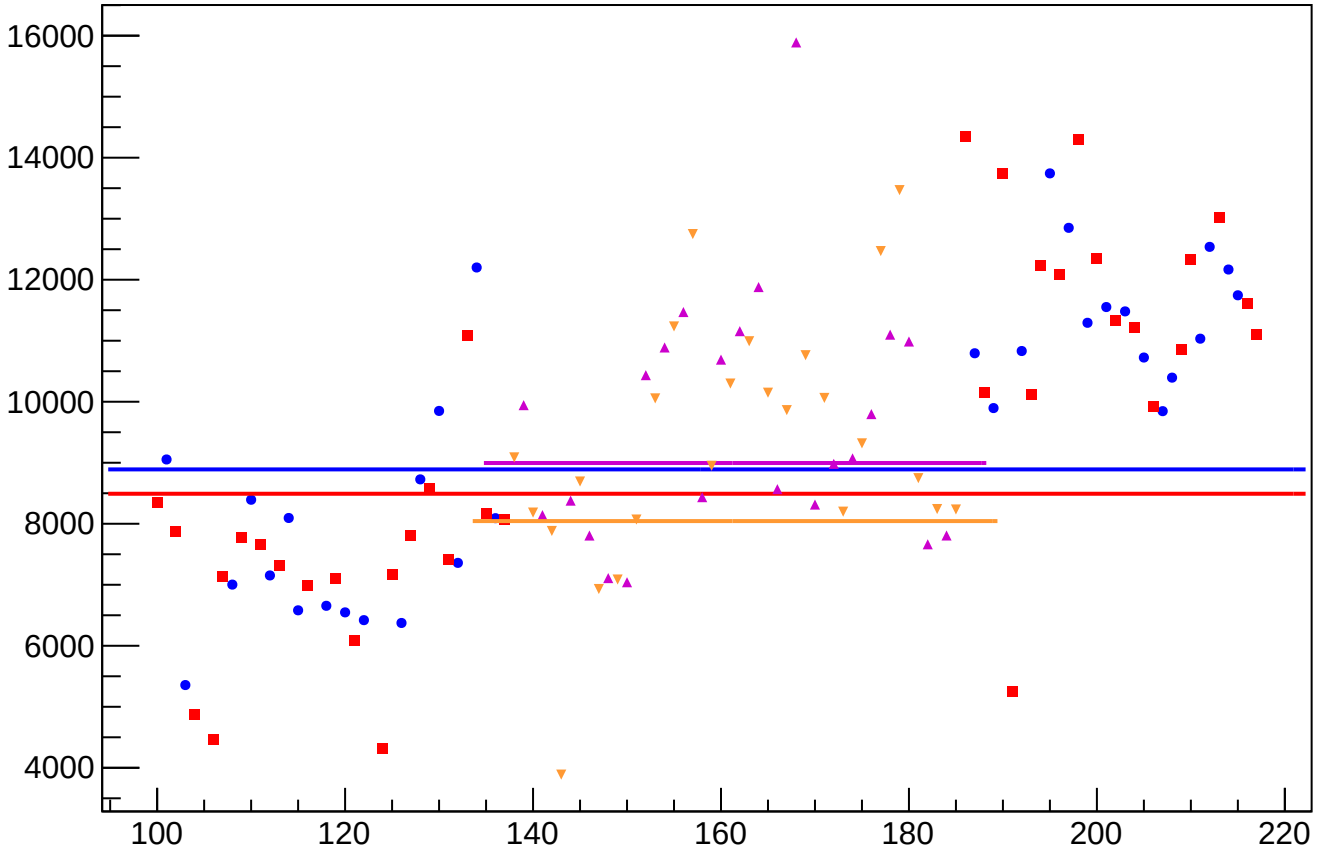
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -179.331+/-1419.265 χ^2/NDF: 64.6/55

All: 278.979+/-1014.966 χ^2/NDF: 124.6/114

- sign 758.711+/-1452.054 χ^2/NDF: 59.9/58

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8890.897+/-1.485 χ^2/NDF: 2513625.1/30

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

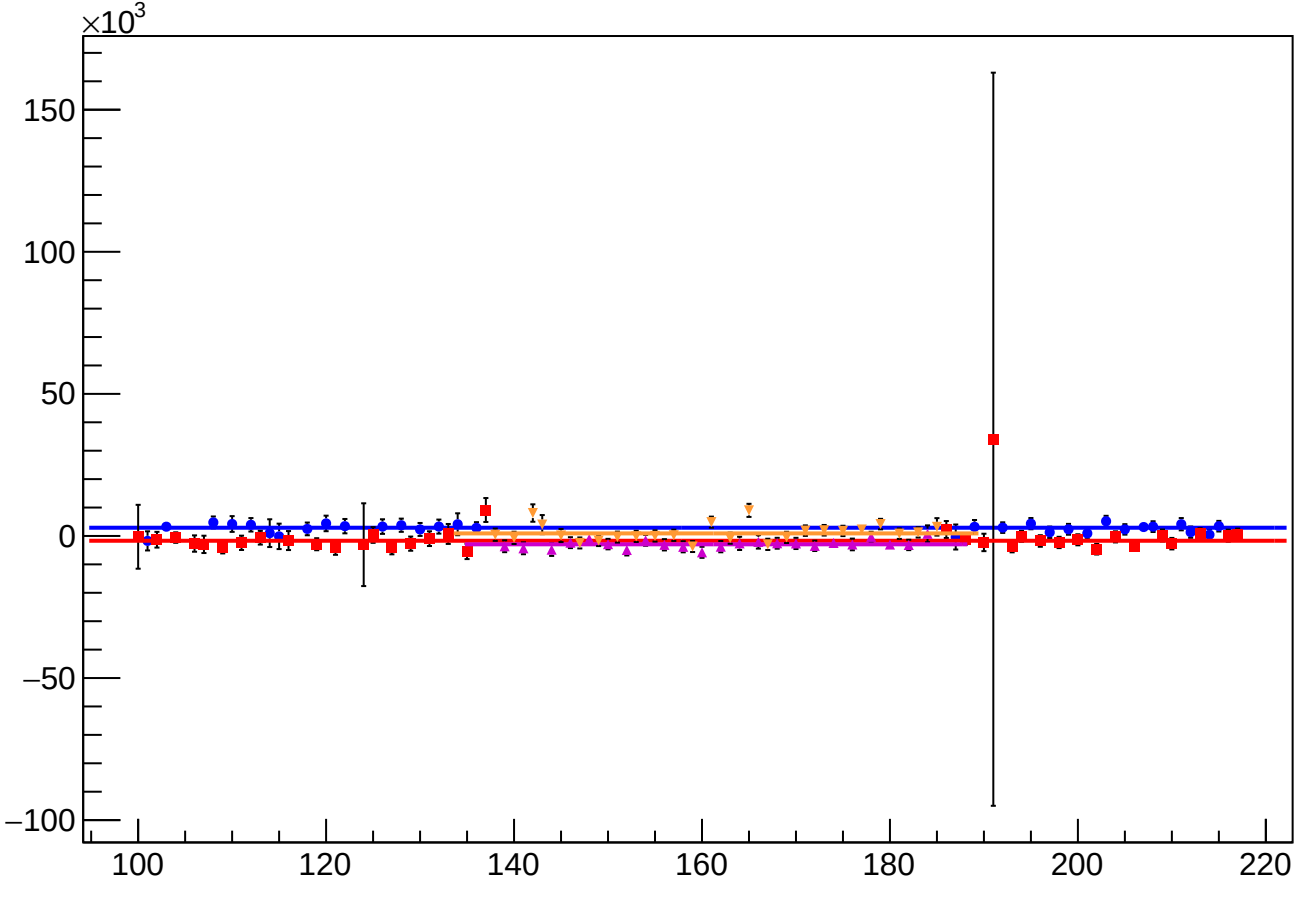
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8430.722+/-1.004 χ^2/NDF: 6053323.6/55

All: 8573.520+/-0.718 χ^2/NDF: 11139074.4/1

- sign 8722.993+/-1.027 χ^2/NDF: 5044311.5/58

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2897.725+/-399.376 χ^2/NDF: 11.4/30

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1687.086+/-392.164 χ^2/NDF: 27.3/35

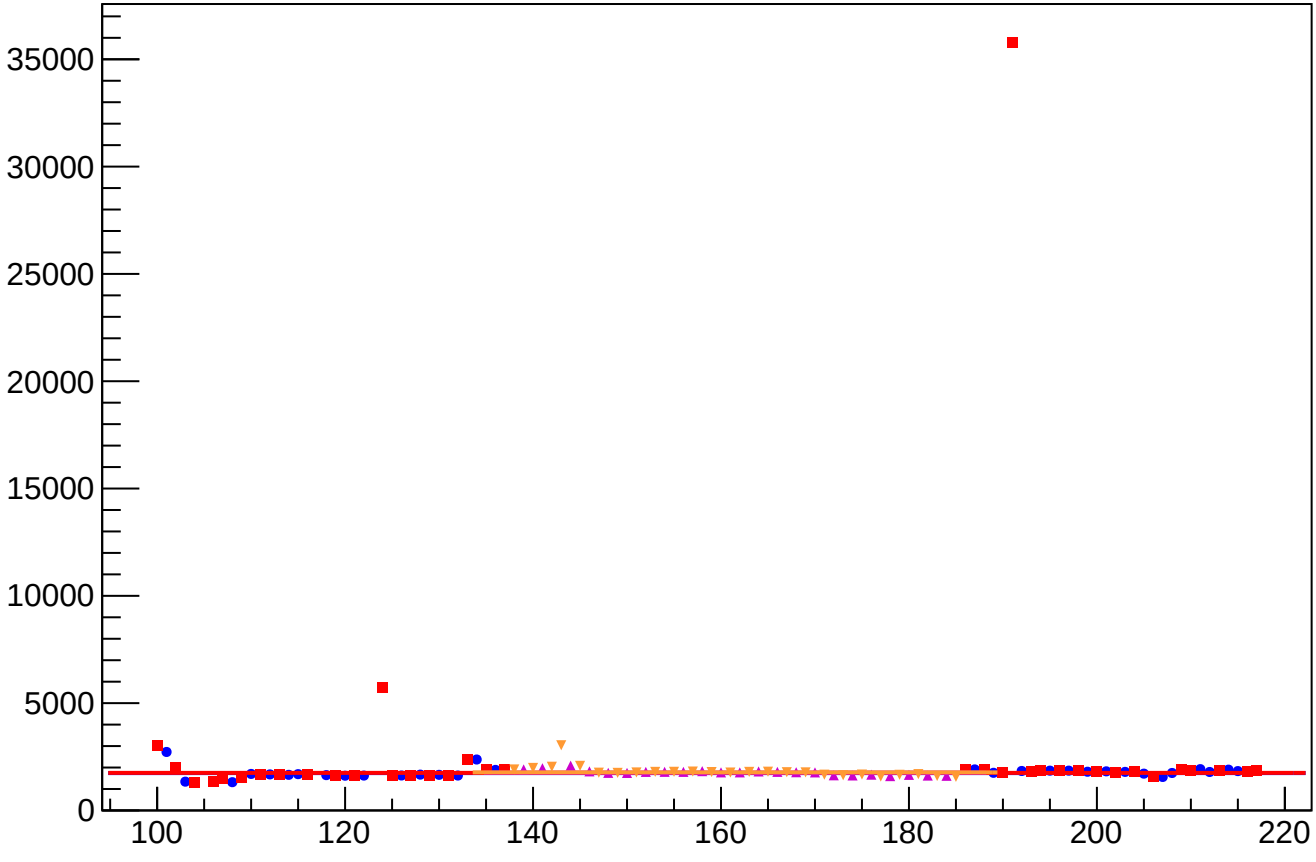
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1913.590+/-284.556 χ^2/NDF: 69.0/55

All: -188.762+/-201.042 χ^2/NDF: 220.7/114

- sign -2284.060+/-284.078 χ^2/NDF: 42.7/58

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1740.715+/-0.282 χ^2/NDF: 532644.8/30

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1750.784+/-0.277 χ^2/NDF: 735598.0/35

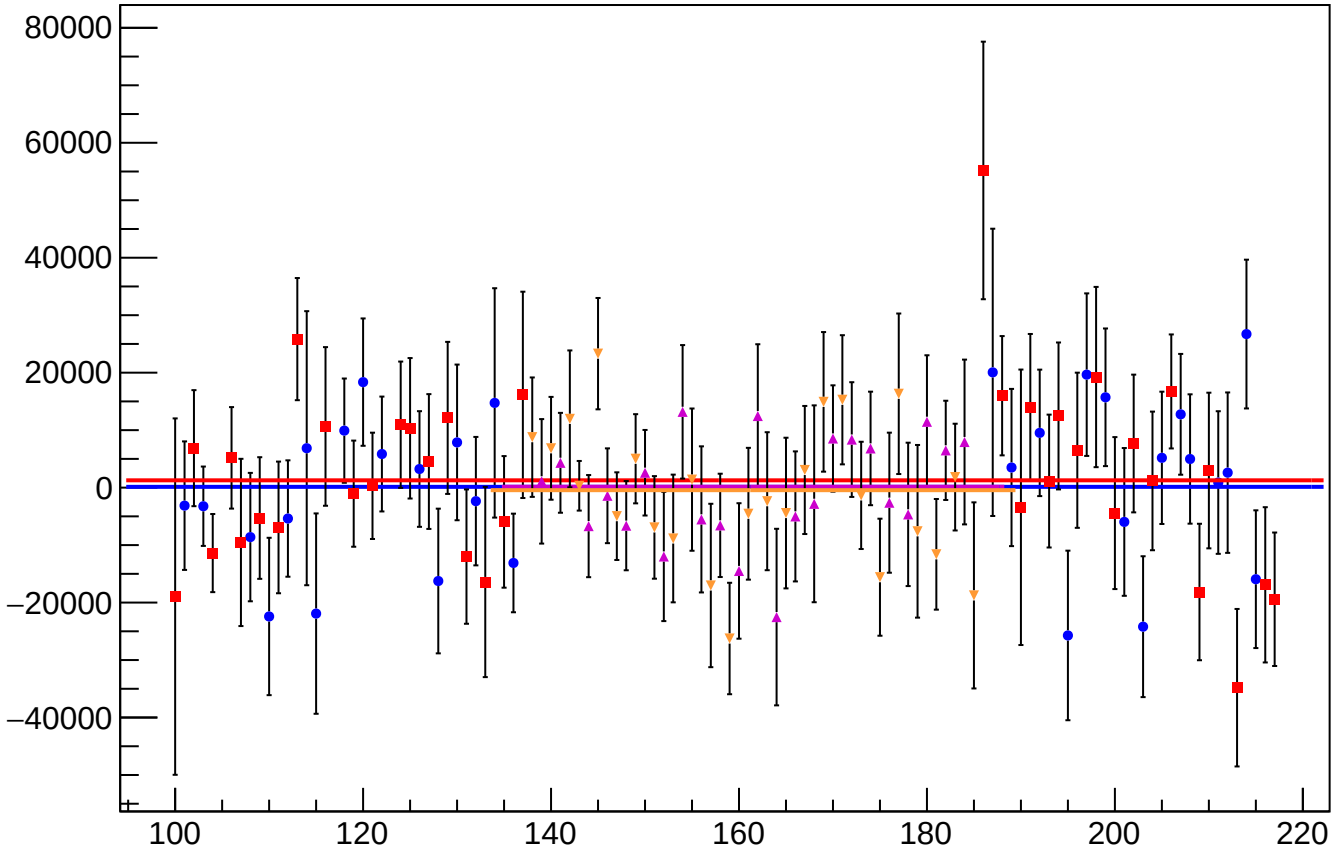
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1757.462+/-0.201 χ^2/NDF: 986683.9/55

All: 1756.570+/-0.142 χ^2/NDF: 1869244.1/11

- sign 1755.681+/-0.201 χ^2/NDF: 882520.9/58

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 134.724+/-2100.008 χ^2/NDF: 35.0/30

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1270.520+/-1973.996 χ^2/NDF: 45.9/35

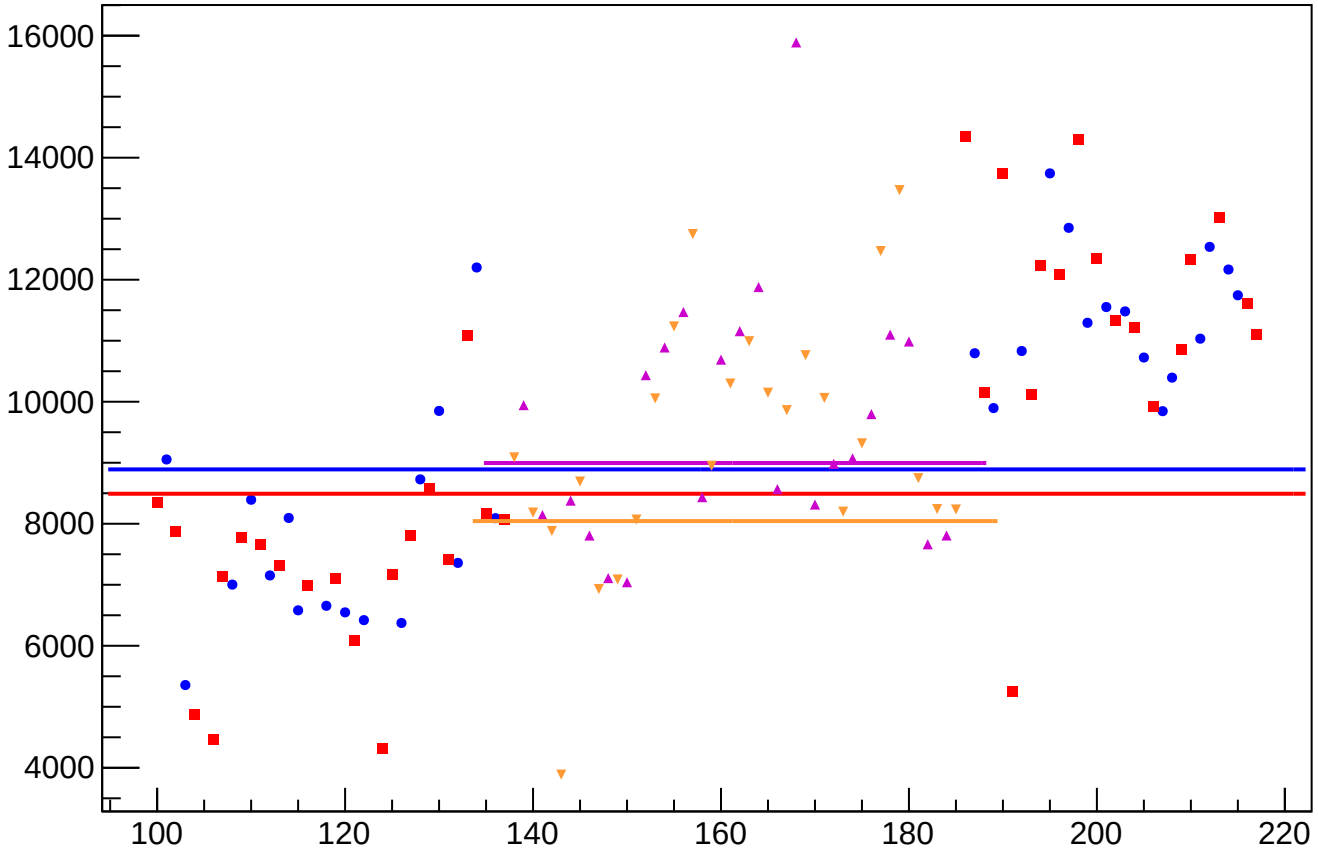
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -179.331+/-1419.265 χ^2/NDF: 64.6/55

All: 278.979+/-1014.966 χ^2/NDF: 124.6/114

- sign 758.711+/-1452.054 χ^2/NDF: 59.9/58

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8890.897+/-1.485 χ^2/NDF: 2513625.1/30

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8491.779+/-1.396 χ^2/NDF: 3777380.6/35

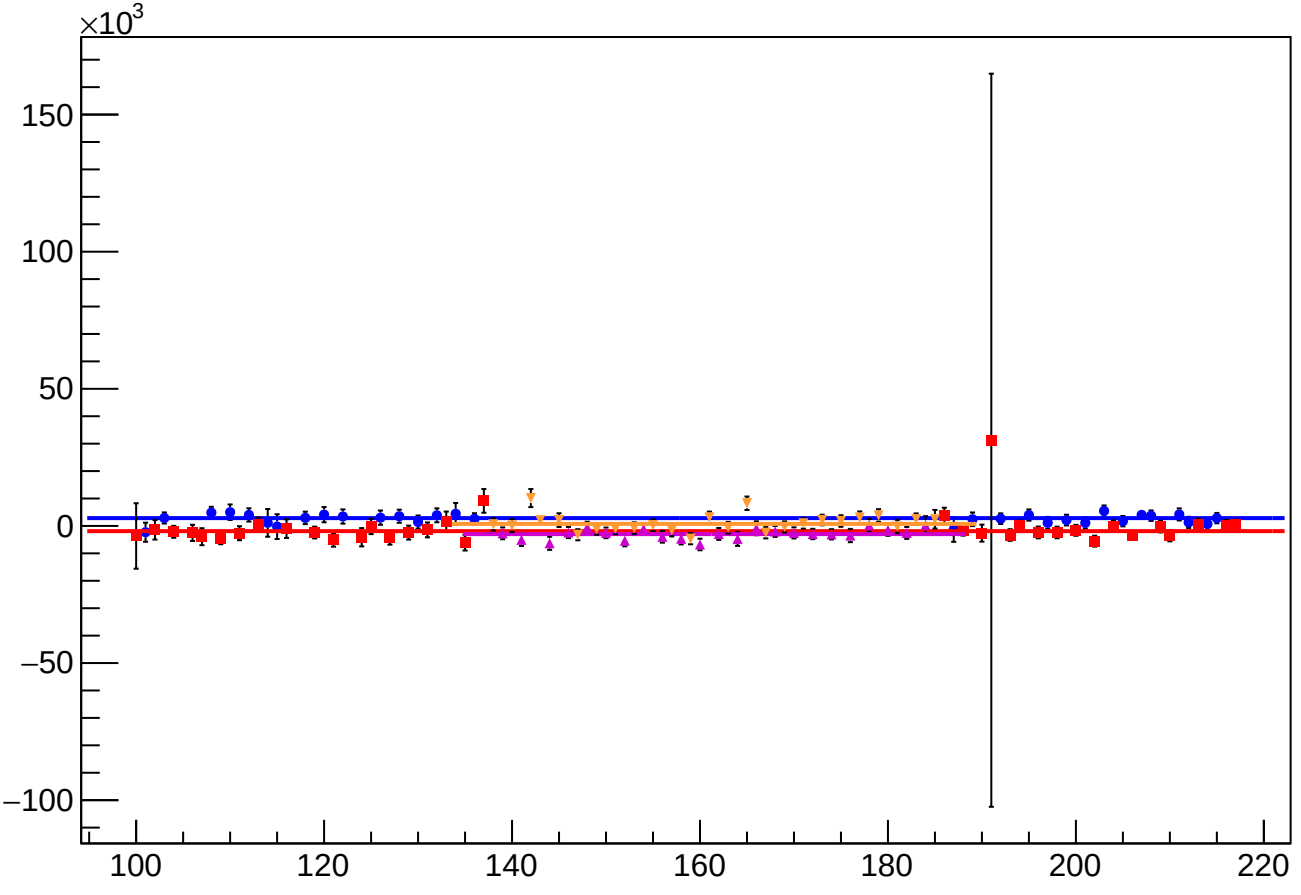
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8430.722+/-1.004 χ^2/NDF: 6053323.6/55

All: 8573.520+/-0.718 χ^2/NDF: 11139074.4/1

- sign 8722.993+/-1.027 χ^2/NDF: 5044311.5/58

dit_asym_at2_avg_mean vs Slug



Right In: 2851.125+/-411.788 χ^2/NDF: 12.9/30

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -1897.595+/-402.835 χ^2/NDF: 31.9/35

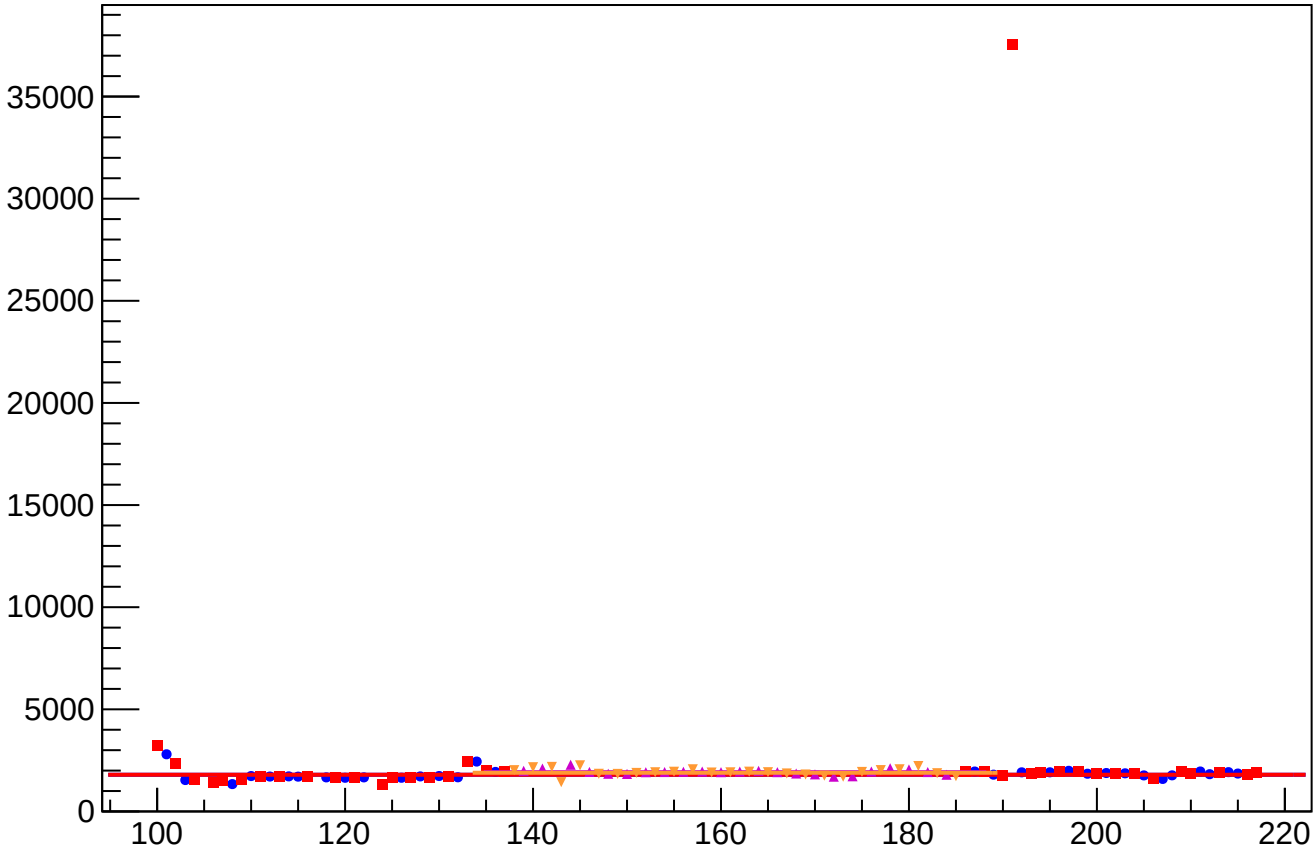
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1847.779+/-298.356 χ^2/NDF: 67.1/55

All: -251.987+/-211.633 χ^2/NDF: 217.4/114

- sign -2378.377+/-300.241 χ^2/NDF: 50.7/58

dit_asym_at2_avg_rms vs Slug



Right In: 1795.357+/-0.291 χ^2/NDF: 479627.3/30

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1797.116+/-0.285 χ^2/NDF: 591064.2/35

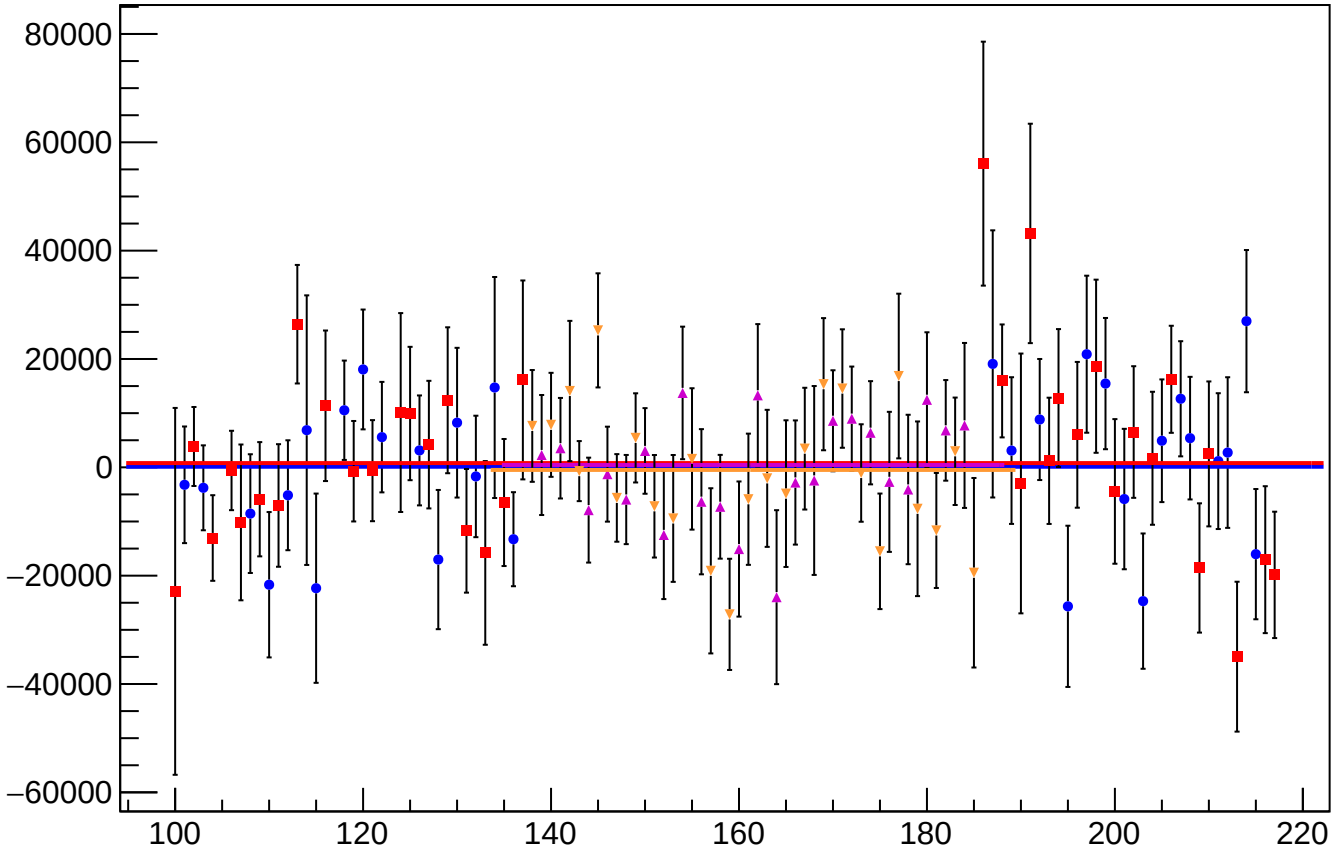
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.542+/-0.211 χ^2/NDF: 903493.0/55

All: 1847.778+/-0.150 χ^2/NDF: 1733651.3/11

- sign 1853.079+/-0.212 χ^2/NDF: 828918.7/58

asym_at2_avg_dit_correction_mean vs Slug



Right In: 108.863+/-2132.117 χ^2/NDF: 34.8/30

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 783.901+/-1982.291 χ^2/NDF: 48.1/35

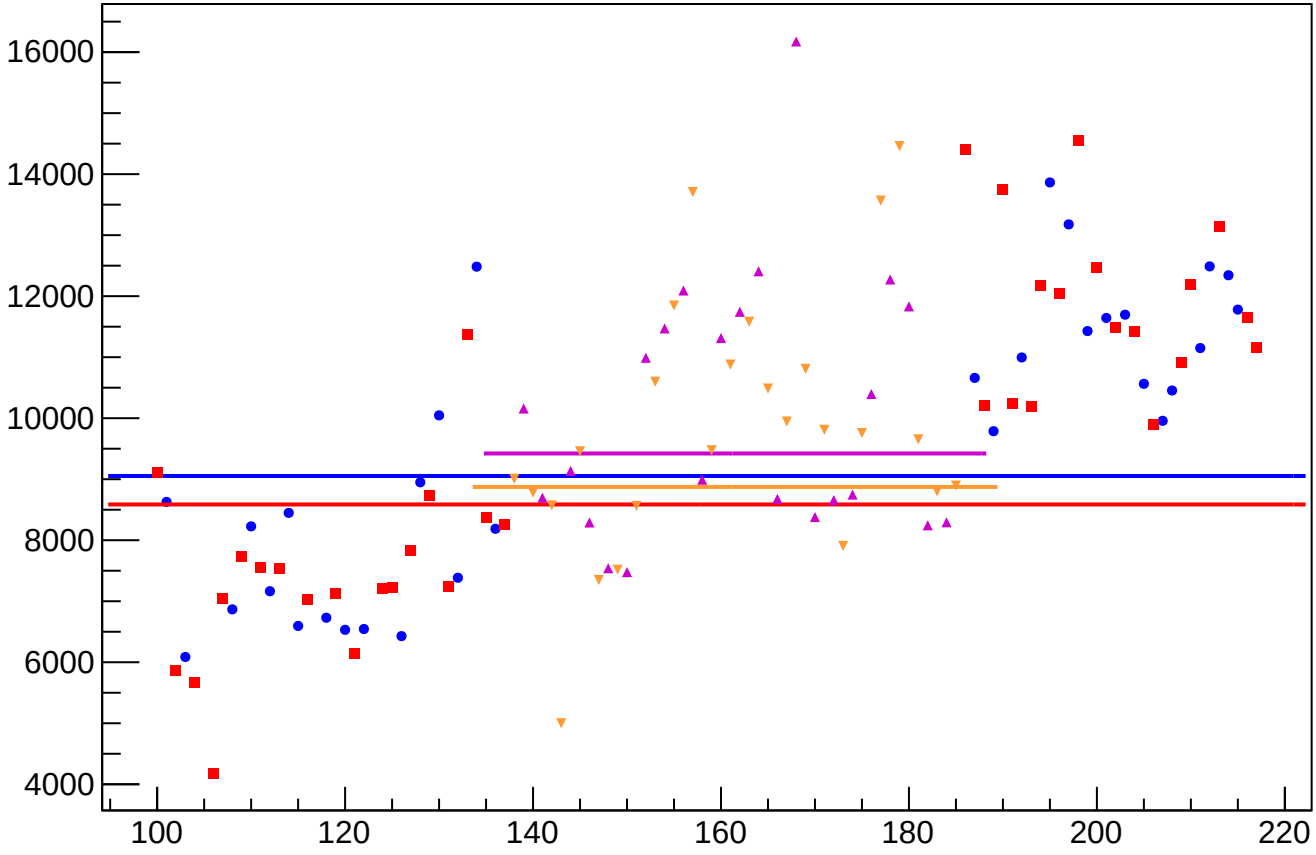
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign -191.212+/-1492.242 χ^2/NDF: 63.7/55

All: 222.031+/-1052.956 χ^2/NDF: 125.5/114

- sign 631.815+/-1485.986 χ^2/NDF: 61.7/58

asym_at2_avg_dit_correction_rms vs Slug



Right In: 9052.877+/-1.508 χ^2/NDF: 2284378.0/30

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8586.085+/-1.402 χ^2/NDF: 3646271.4/35

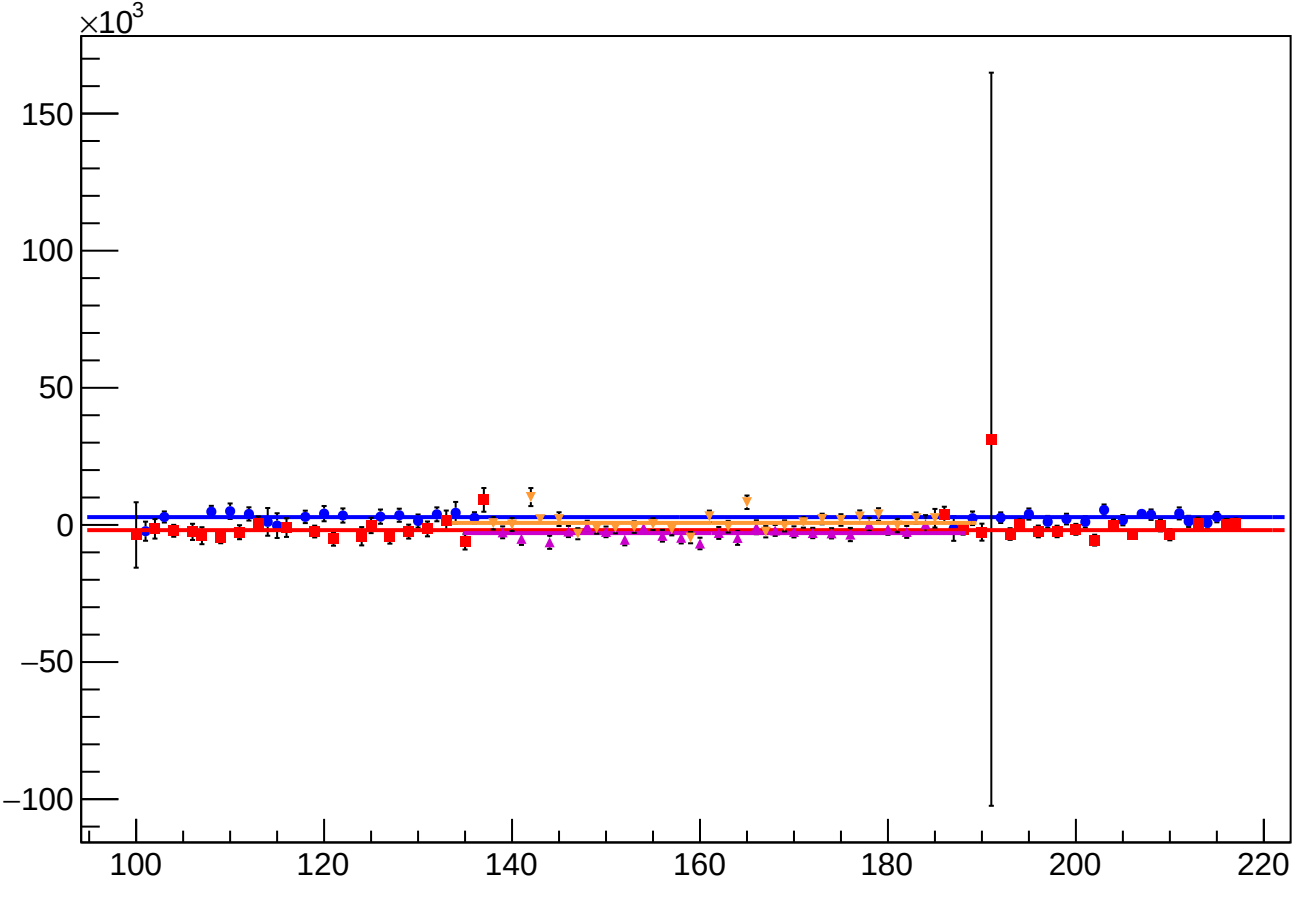
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8961.414+/-1.055 χ^2/NDF: 4494842.0/55

All: 8956.754+/-0.745 χ^2/NDF: 9501683.8/11

- sign 8952.133+/-1.051 χ^2/NDF: 5006802.9/58

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2851.120+/-411.788 χ^2/NDF: 12.9/30

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -1897.596+/-402.835 χ^2/NDF: 31.9/35

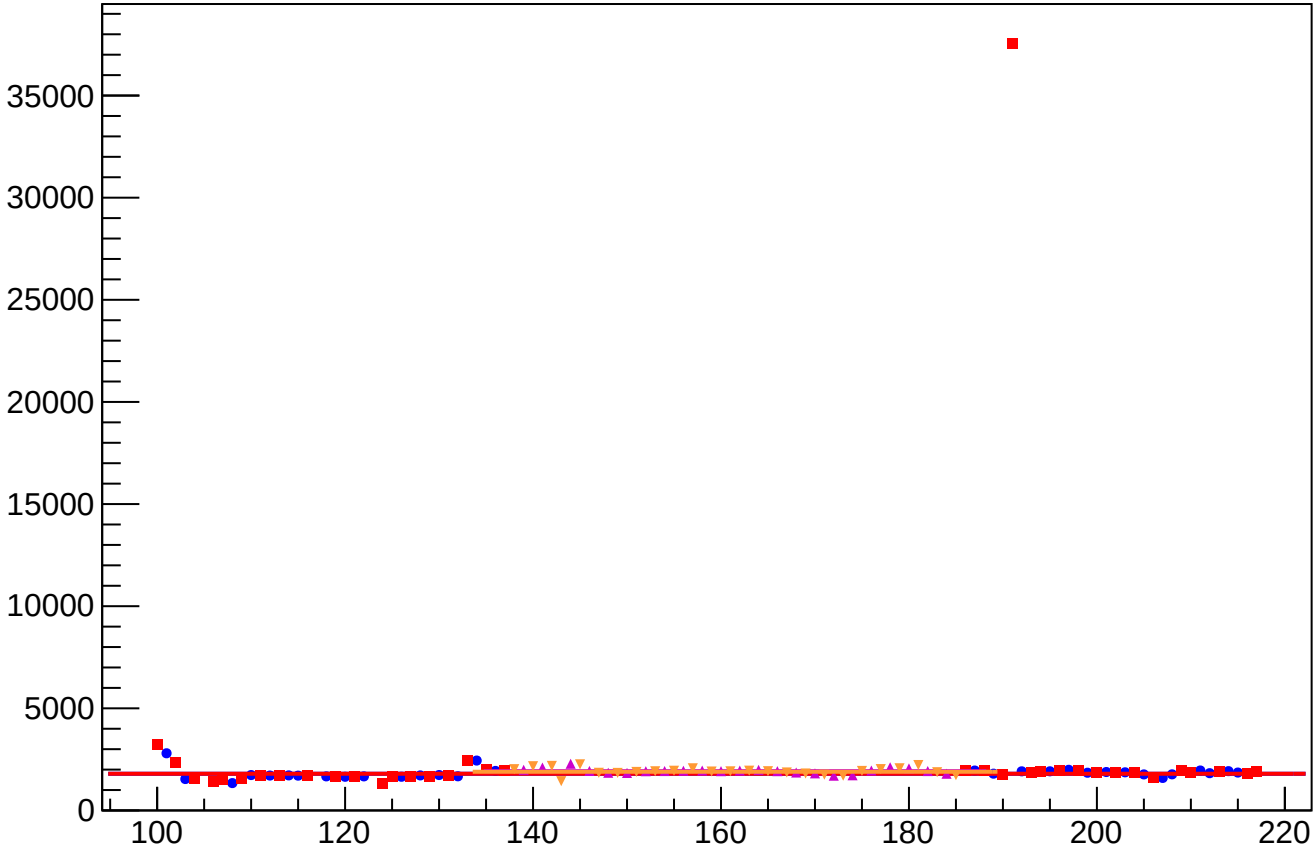
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1847.773+/-298.356 χ^2/NDF: 67.1/55

All: -251.990+/-211.633 χ^2/NDF: 217.4/114

- sign -2378.378+/-300.241 χ^2/NDF: 50.7/58

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1795.357+/-0.291 χ^2/NDF: 479627.9/30

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1797.116+/-0.285 χ^2/NDF: 591065.6/35

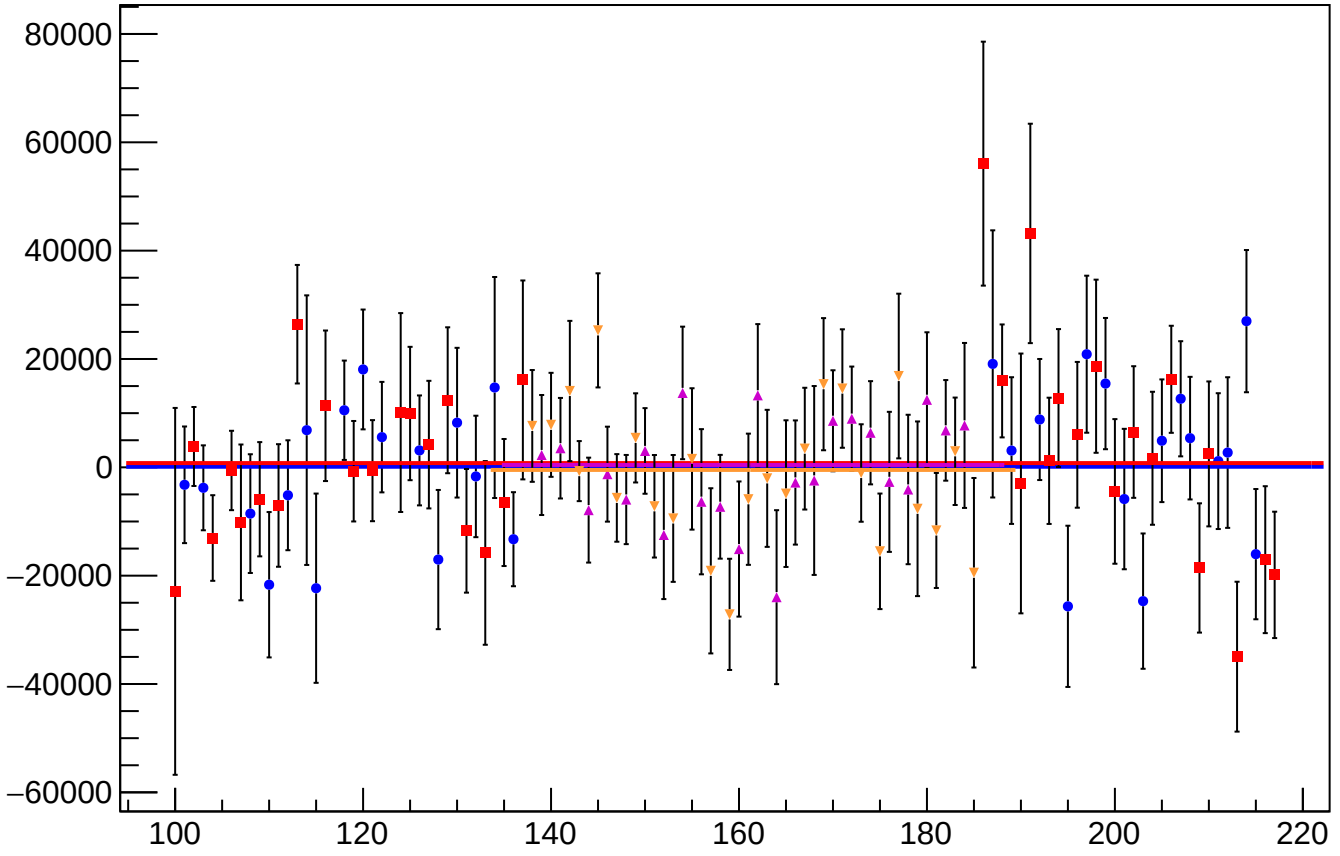
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.543+/-0.211 χ^2/NDF: 903504.7/55

All: 1847.779+/-0.150 χ^2/NDF: 1733676.3/11

- sign 1853.081+/-0.212 χ^2/NDF: 828932.0/58

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: 108.869+/-2132.115 χ^2/NDF: 34.8/30

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

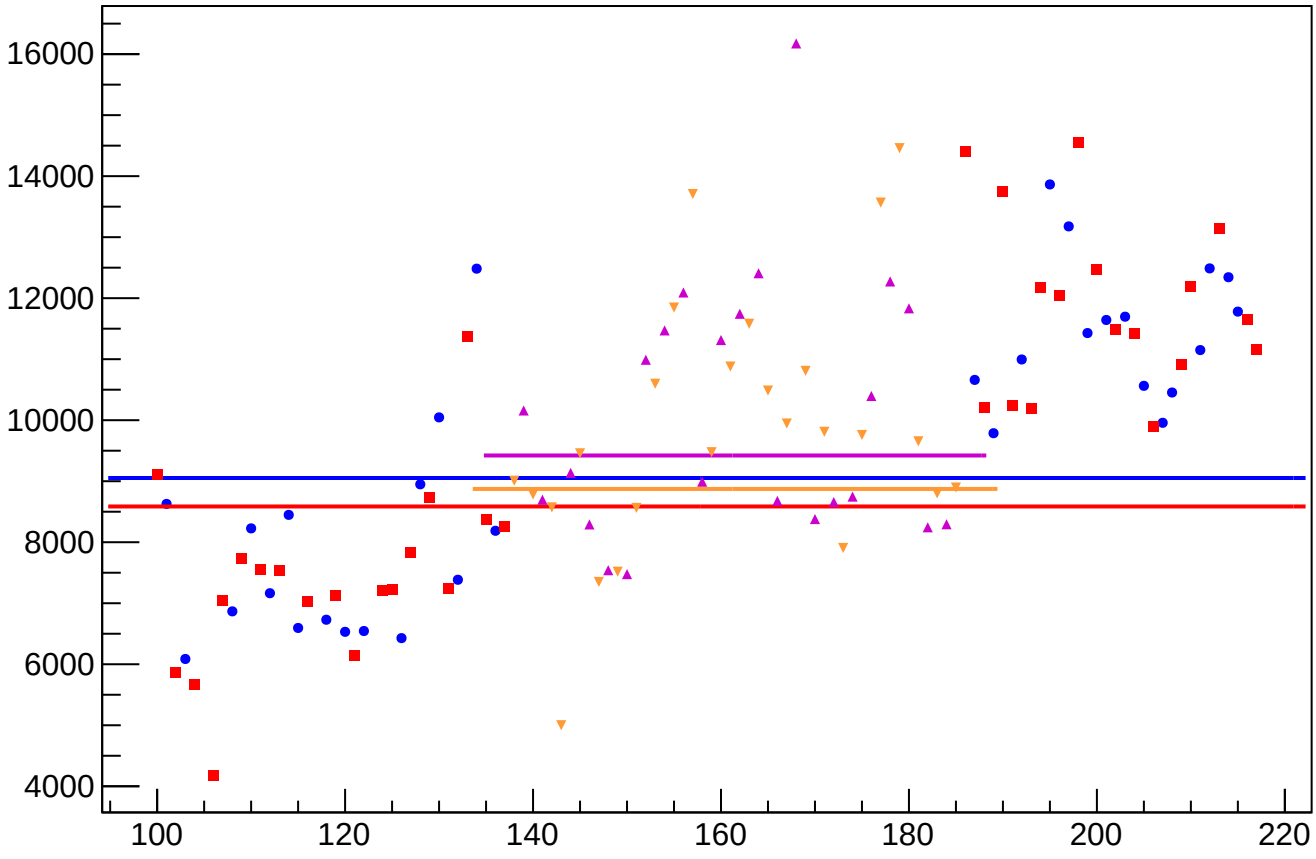
Right Out: 783.892+/-1982.289 χ^2/NDF: 48.1/35

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -191.212+/-1492.243 χ^2/NDF: 63.7/55

All: 222.029+/-1052.956 χ^2/NDF: 125.5/114

- sign 631.812+/-1485.987 χ^2/NDF: 61.7/58



Right In: 9052.868+/-1.508 χ^2/NDF: 2284412.6/30

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

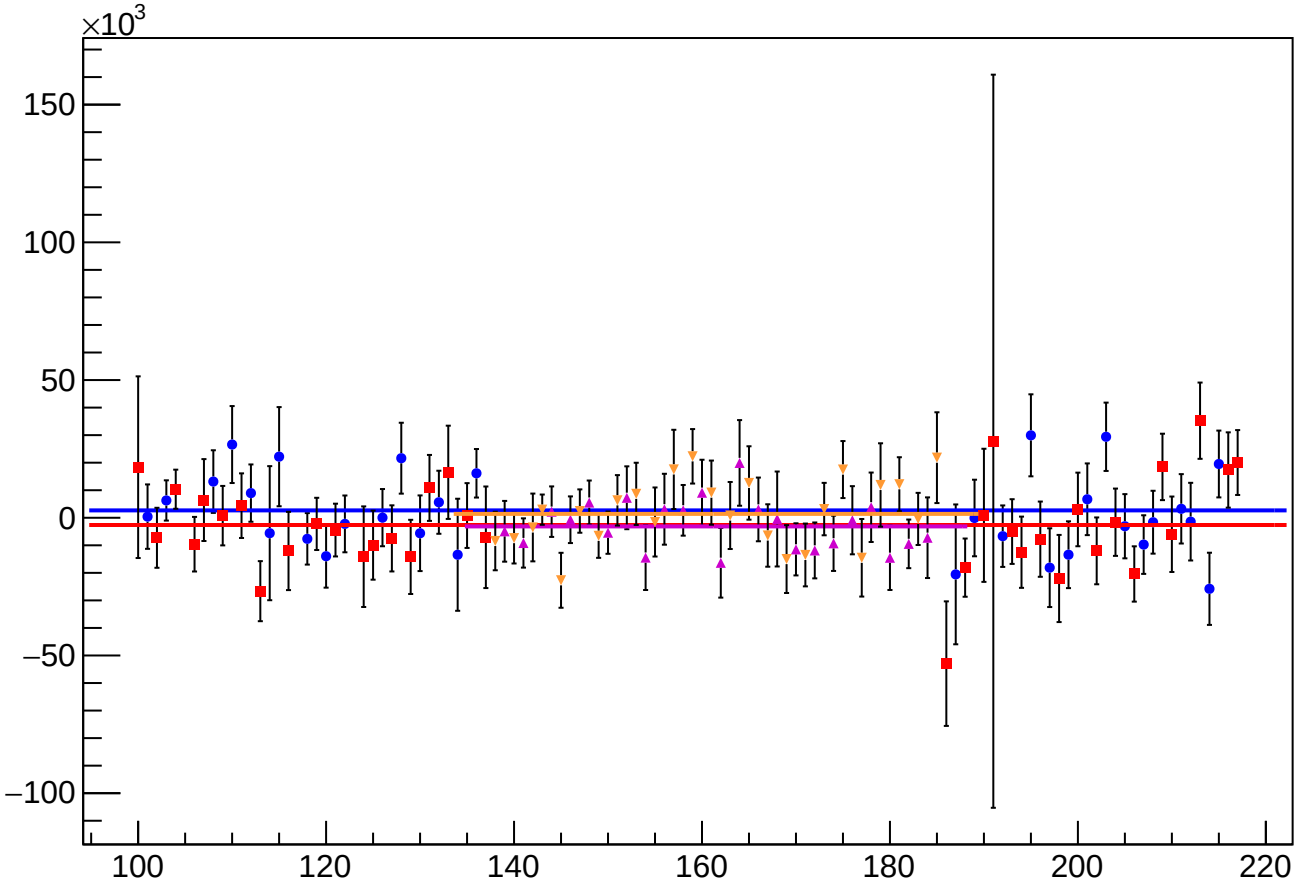
Right Out: 8586.075+/-1.402 χ^2/NDF: 3646302.5/35

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8961.417+/-1.055 χ^2/NDF: 4494876.2/55

All: 8956.755+/-0.745 χ^2/NDF: 9501762.1/11

- sign 8952.132+/-1.051 χ^2/NDF: 5006847.0/58



Right In: 2680.391+/-2150.949 χ^2/NDF: 36.9/30

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2624.046+/-2076.646 χ^2/NDF: 44.7/35

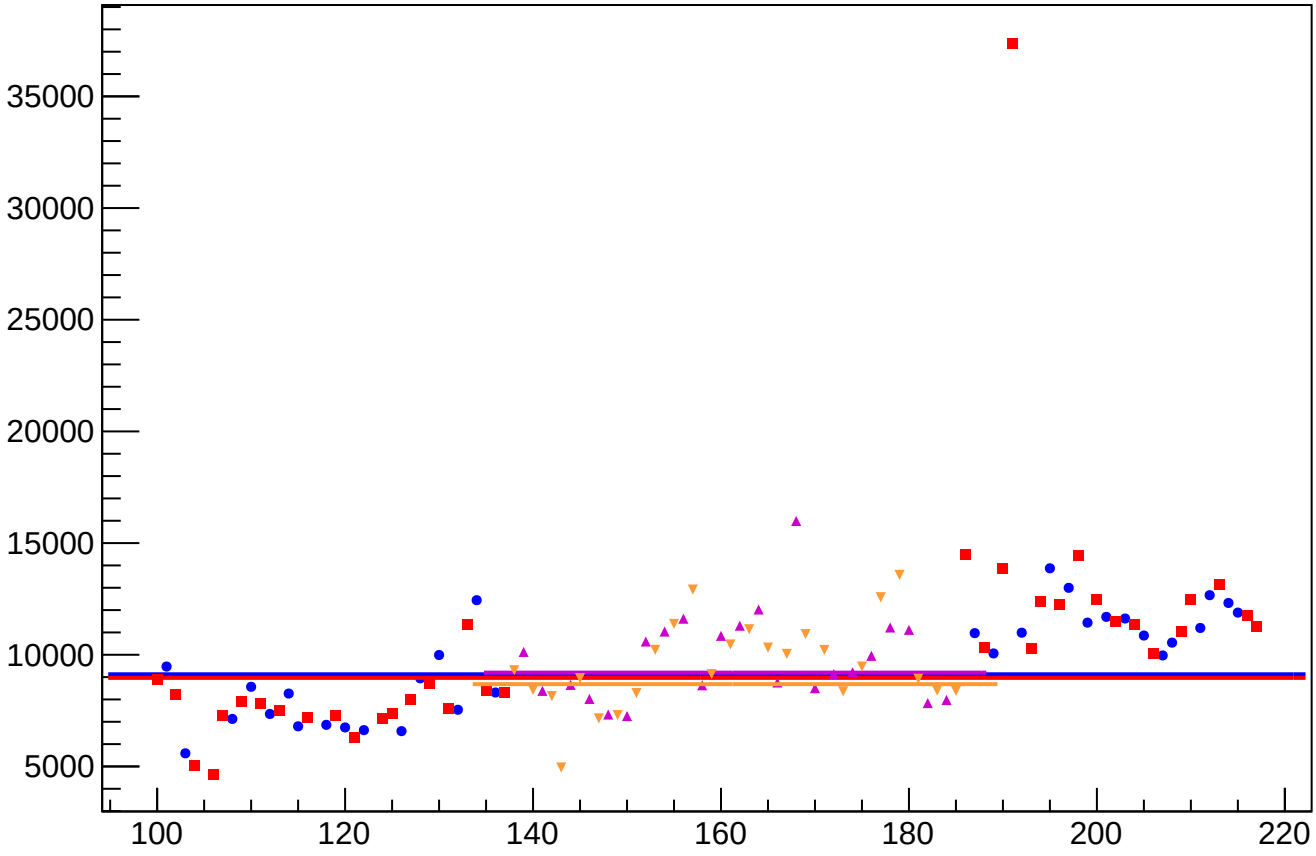
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2010.672+/-1480.132 χ^2/NDF: 64.6/55

All: -385.264+/-1055.885 χ^2/NDF: 127.6/114

- sign -2868.040+/-1506.716 χ^2/NDF: 57.7/58

asym_at2_avg_rms vs Slug



Right In: 9126.258+/-1.521 χ^2/NDF: 2336031.8/30

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8965.945+/-1.468 χ^2/NDF: 3188054.9/35

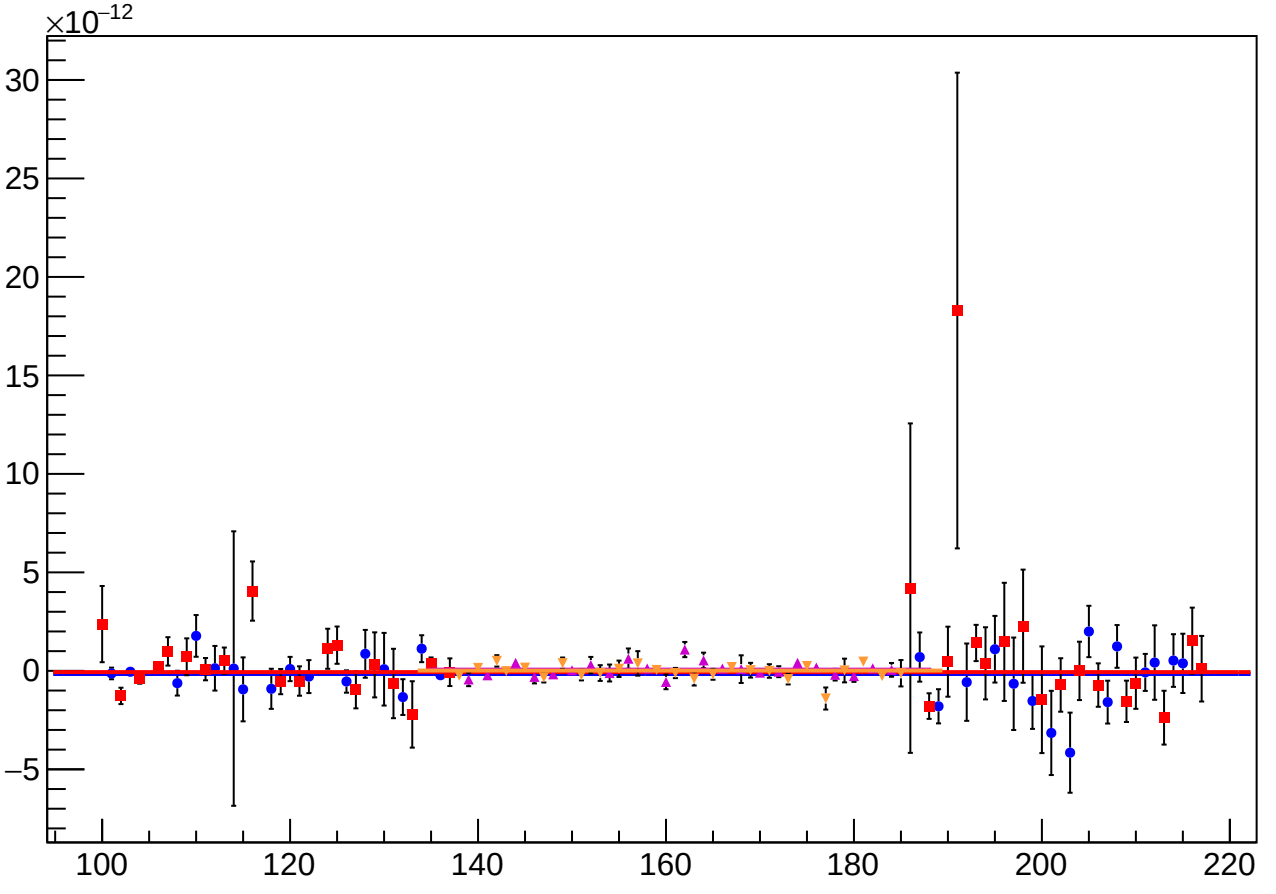
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8893.709+/-1.047 χ^2/NDF: 4432058.3/55

All: 8983.803+/-0.747 χ^2/NDF: 8776737.1/11

- sign 9077.158+/-1.065 χ^2/NDF: 4329590.4/58

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.2/35

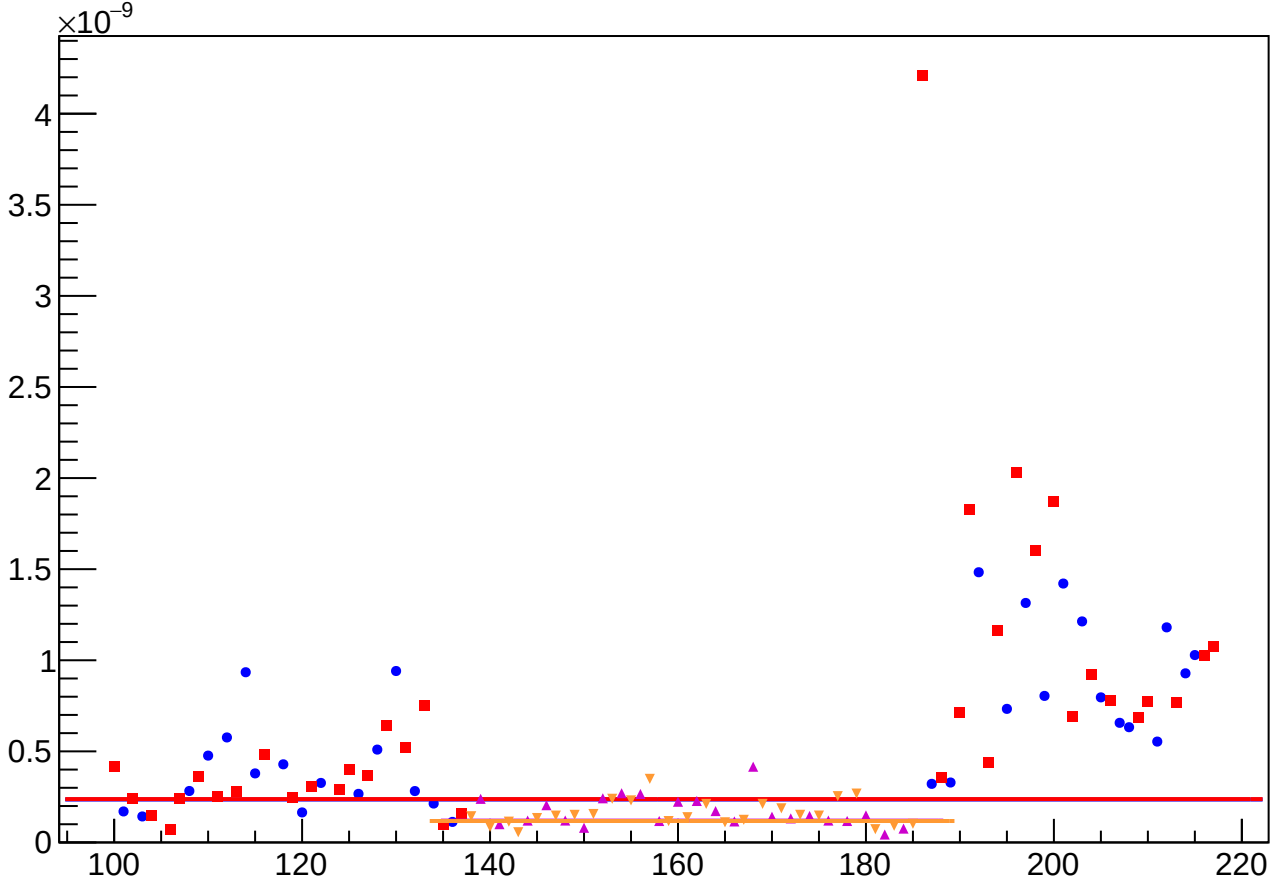
Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/55

All: 0.000+/-0.000 χ^2/NDF: 143.1/114

- sign 0.000+/-0.000 χ^2/NDF: 82.0/58

asym_at2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7592445.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8459584.0/35

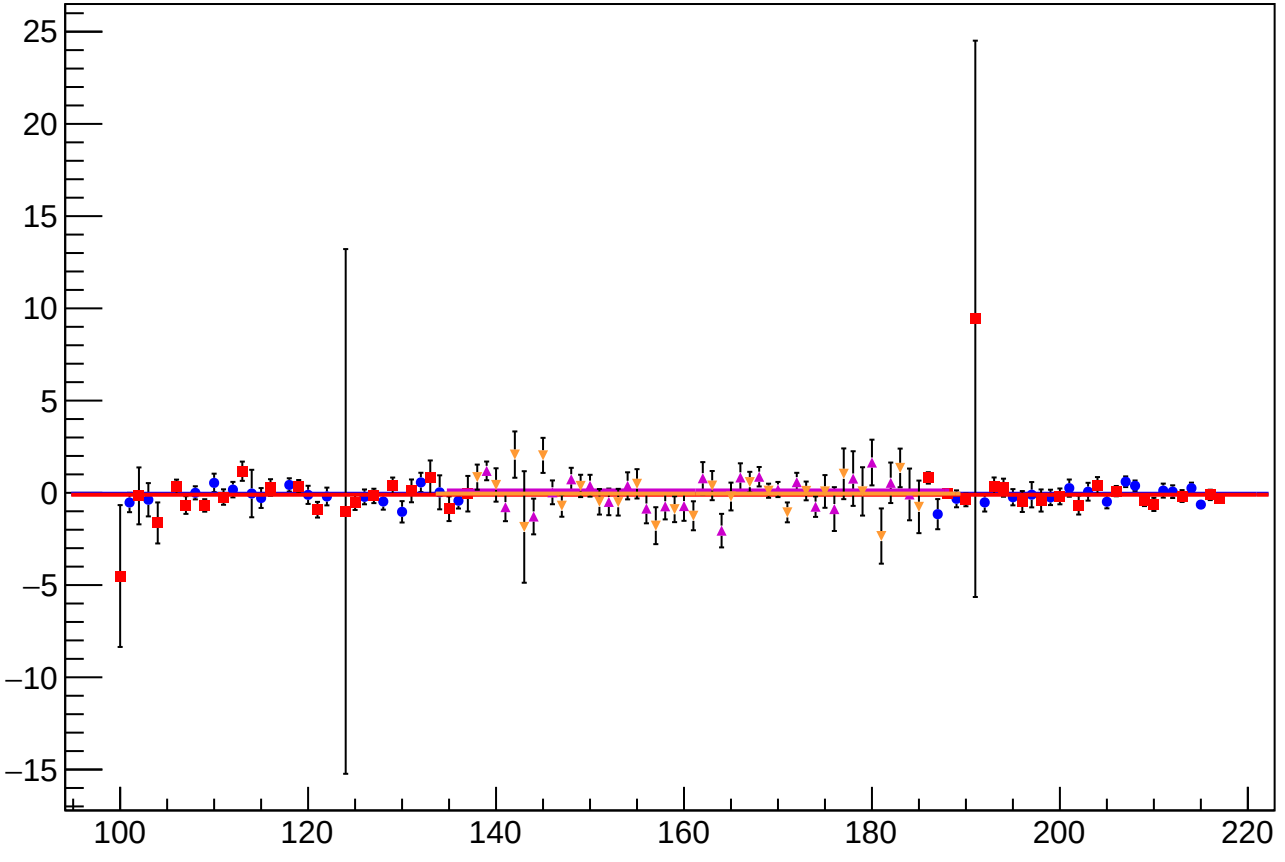
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11756100.4/55

All: 0.000+/-0.000 χ^2/NDF: 24626325.0/114

- sign 0.000+/-0.000 χ^2/NDF: 12864275.5/58

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

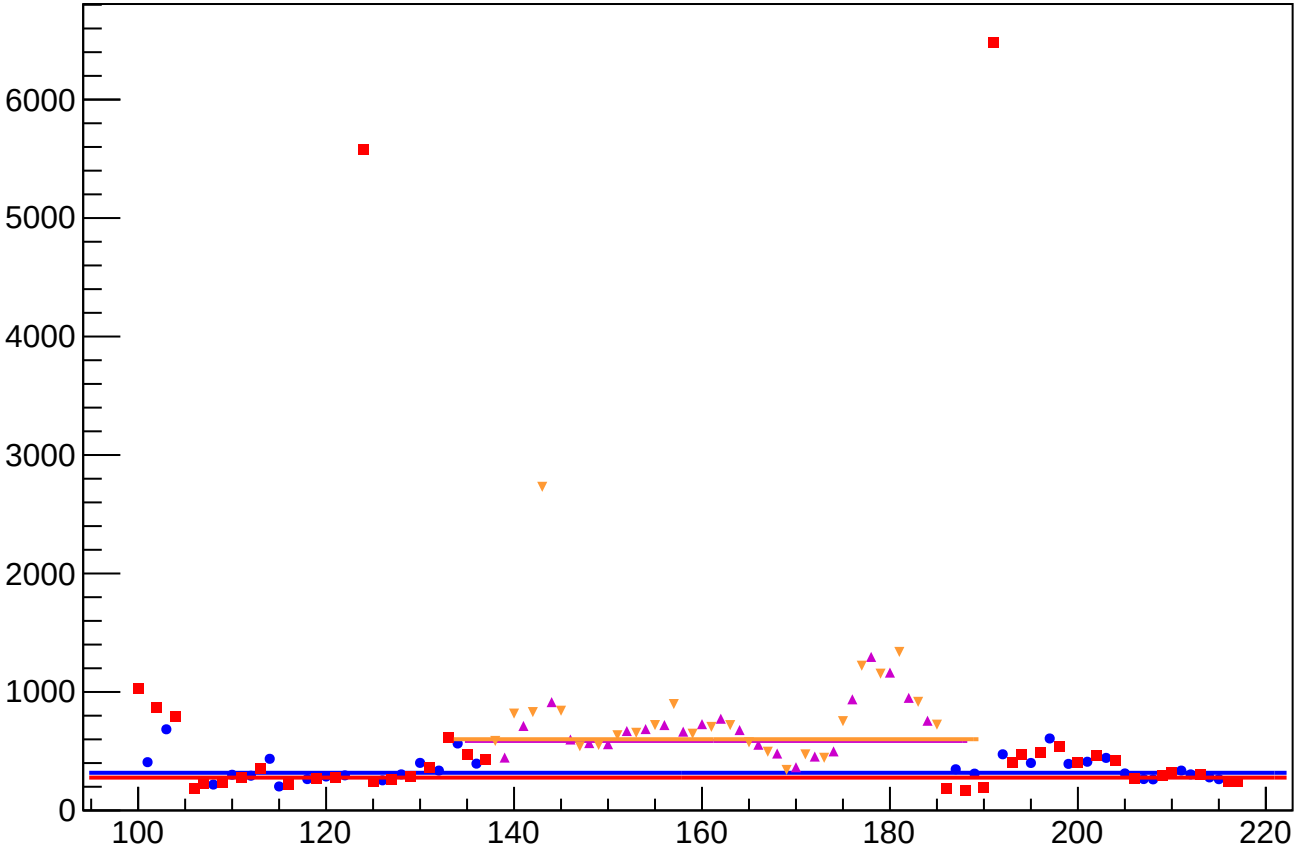
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.048+/-0.068 χ^2/NDF: 59.8/55

All: -0.055+/-0.045 χ^2/NDF: 135.1/114

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 317.901+/-0.054 χ^2/NDF: 2200401.4/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

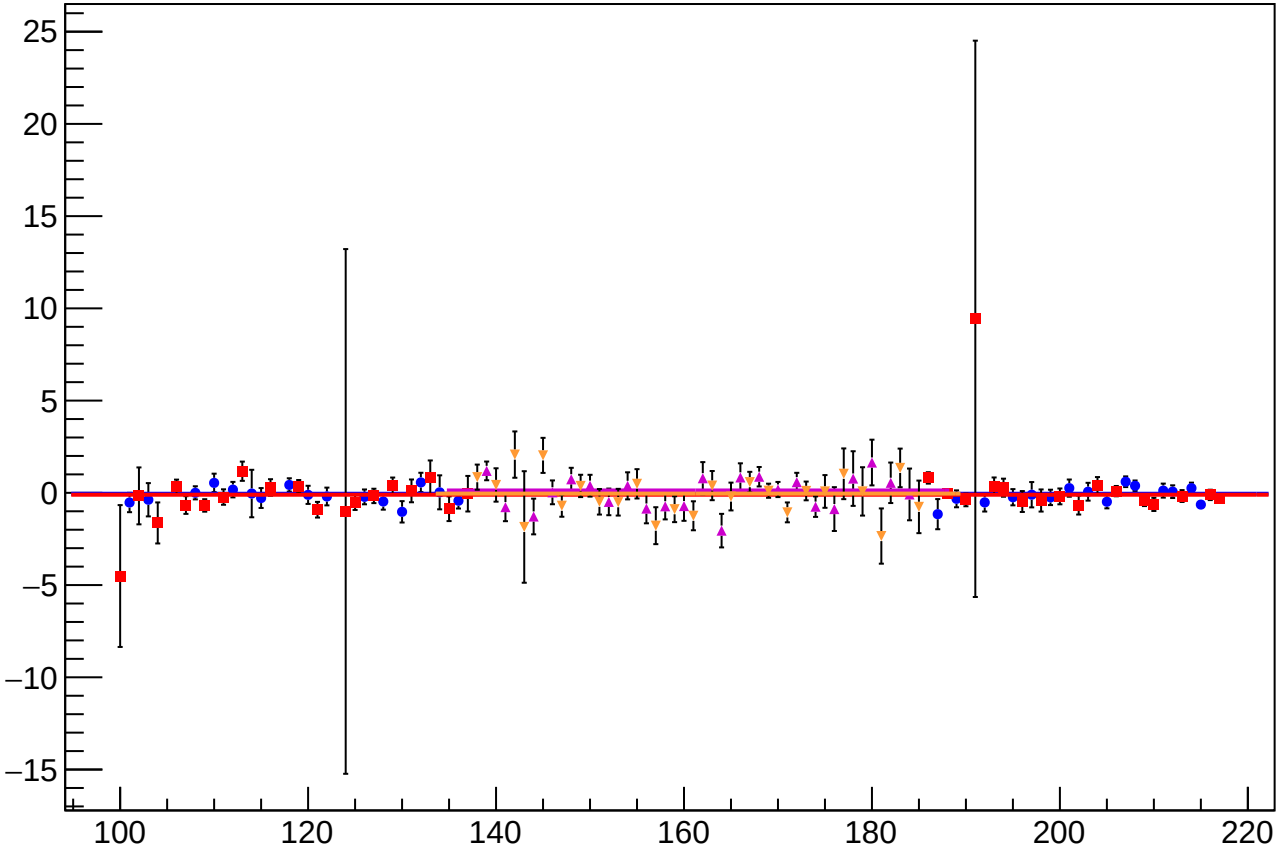
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 377.713+/-0.048 χ^2/NDF: 12480488.6/55

All: 352.897+/-0.032 χ^2/NDF: 28464139.5/11

- sign 332.578+/-0.043 χ^2/NDF: 15496046.3/58

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

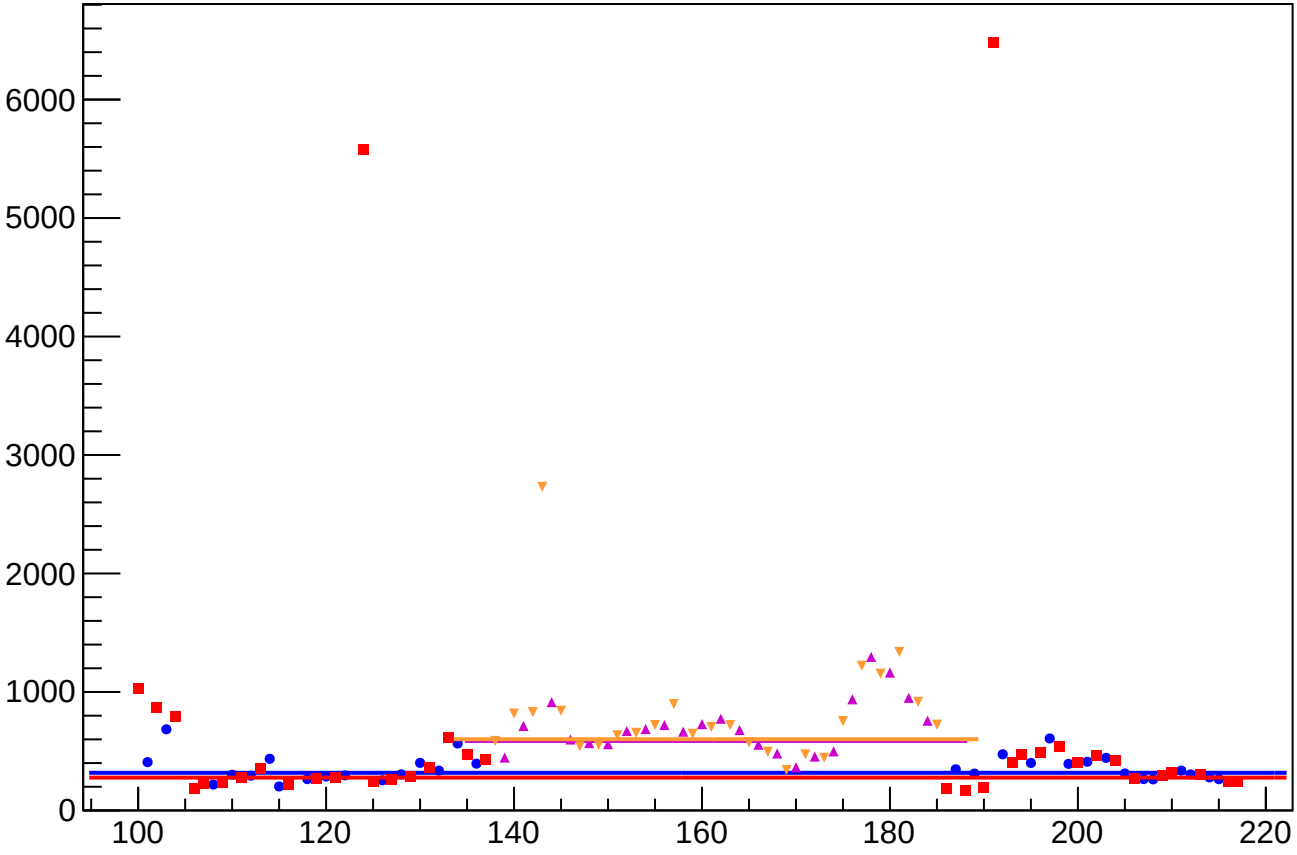
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

\+ sign -0.048+/-0.068 χ^2/NDF: 59.8/55

All: -0.055+/-0.045 χ^2/NDF: 135.1/114

\- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 317.901+/-0.054 χ^2/NDF: 2200401.4/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

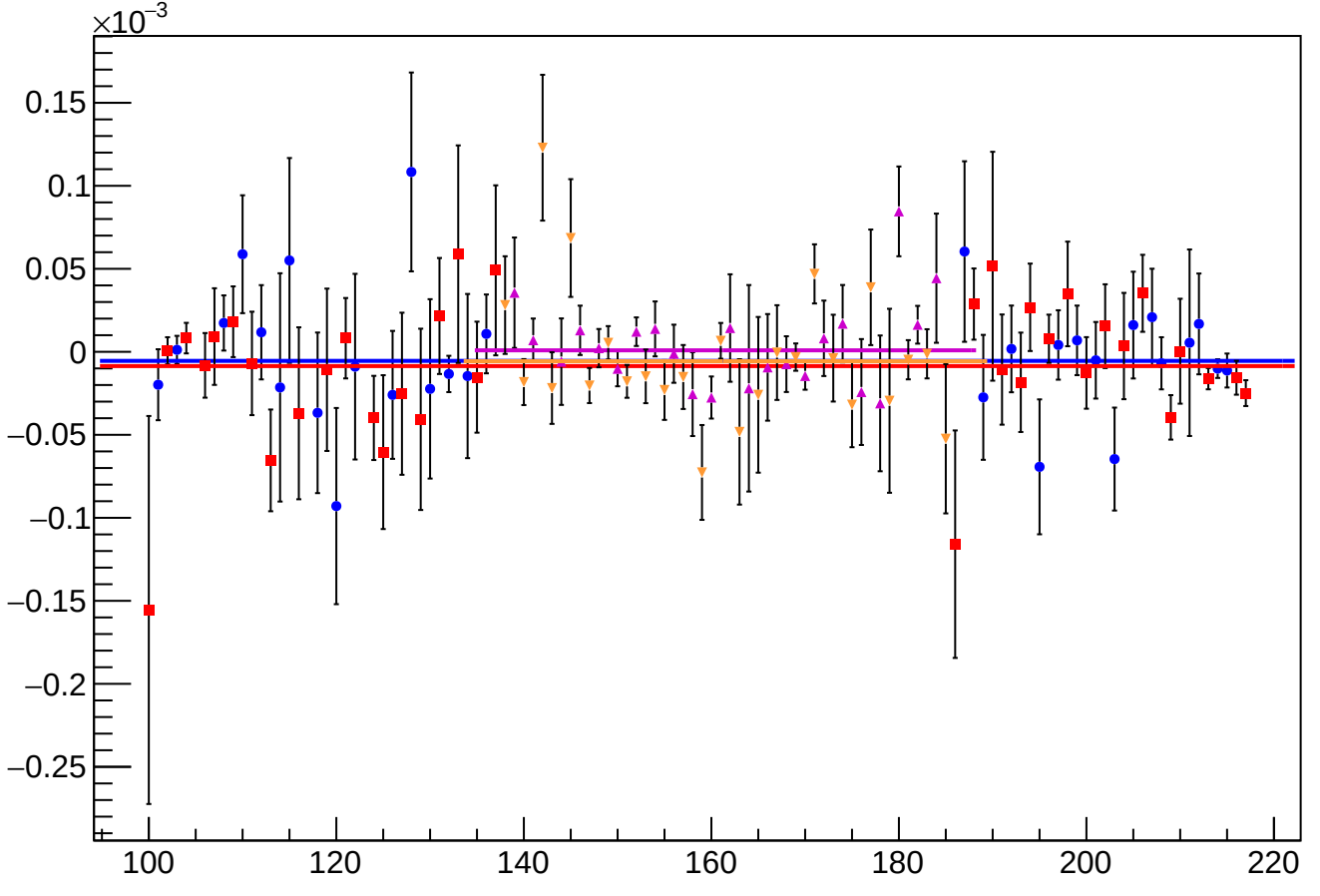
Right Out: 277.367+/-0.048 χ^2/NDF: 5098153.0/35

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 377.713+/-0.048 χ^2/NDF: 12480488.6/55

All: 352.897+/-0.032 χ^2/NDF: 28464139.5/11

- sign 332.578+/-0.043 χ^2/NDF: 15496046.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/35

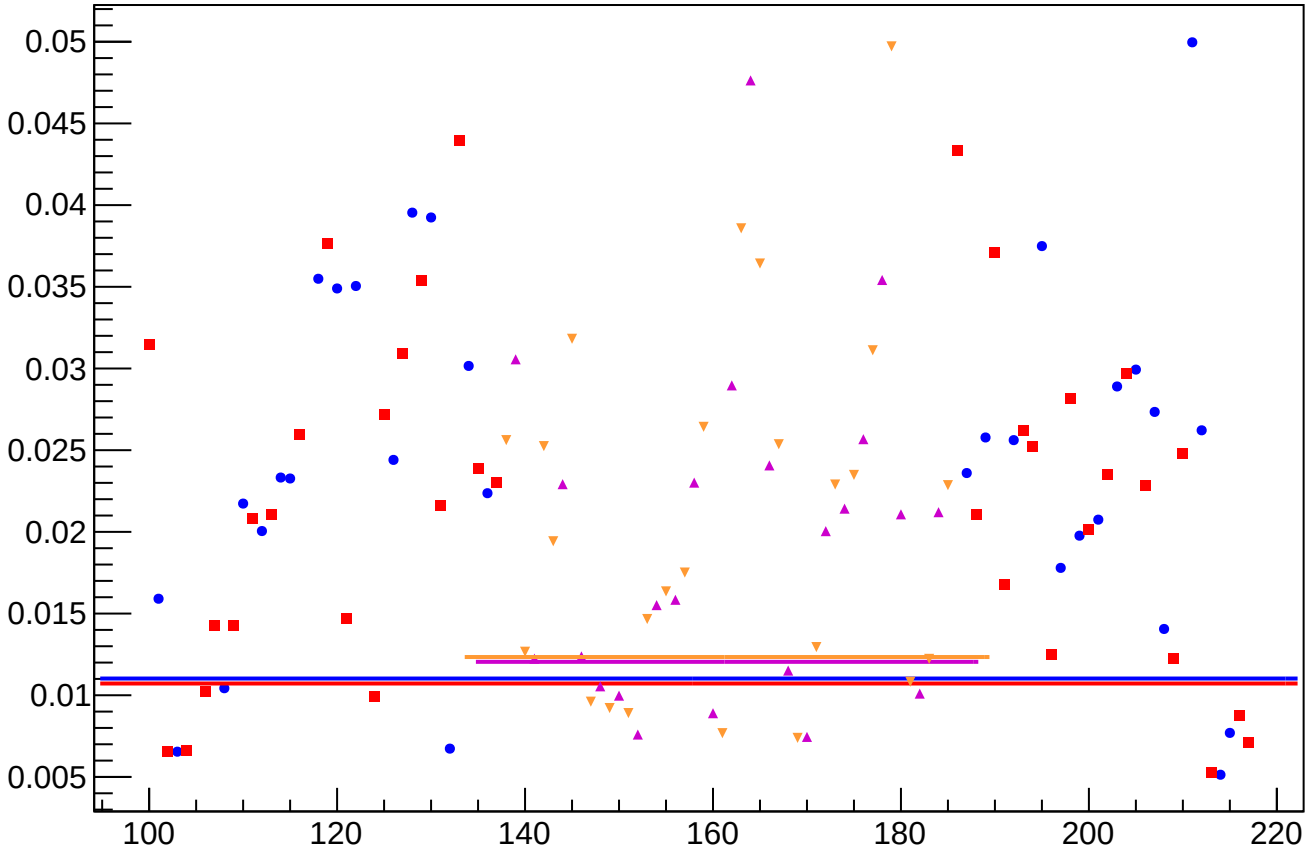
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.3/55

All: -0.000+/-0.000 χ^2/NDF: 150.7/114

- sign -0.000+/-0.000 χ^2/NDF: 81.3/58

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 13429987.7/30

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12061298.5/35

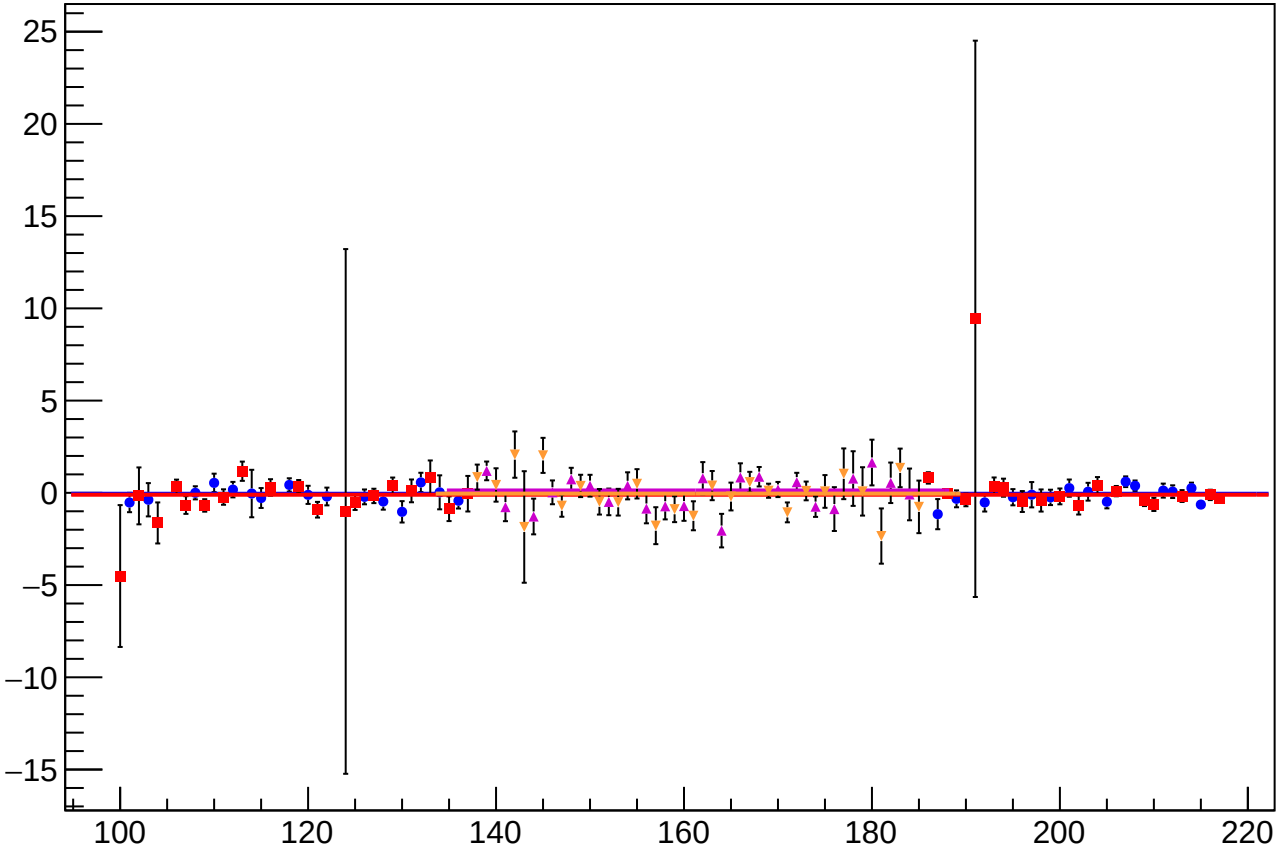
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 21433227.7/55

All: 0.011+/-0.000 χ^2/NDF: 40085462.6/114

- sign 0.011+/-0.000 χ^2/NDF: 18623545.7/58

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

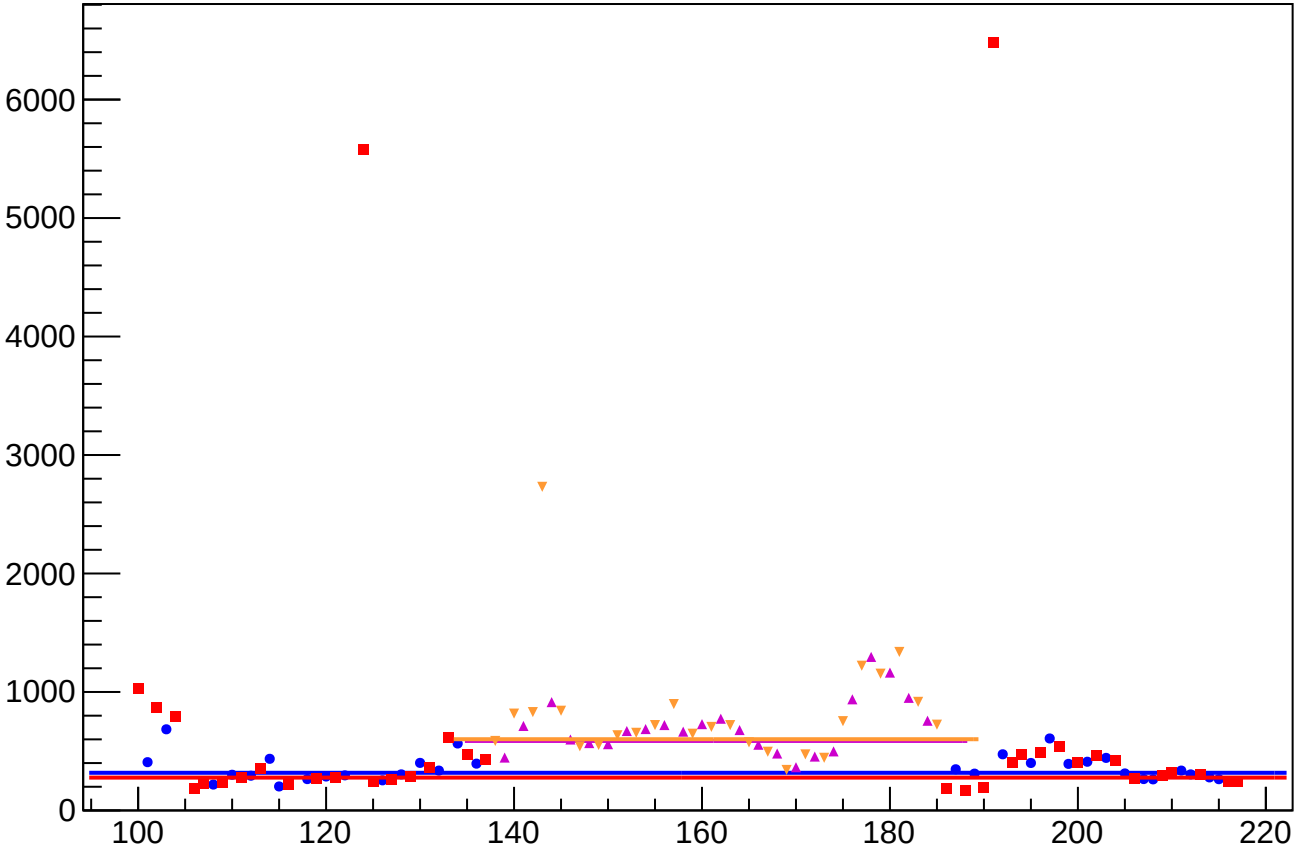
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.048+/-0.068 χ^2/NDF: 59.8/55

All: -0.055+/-0.045 χ^2/NDF: 135.1/114

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 317.900+/-0.054 χ^2/NDF: 2200398.1/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

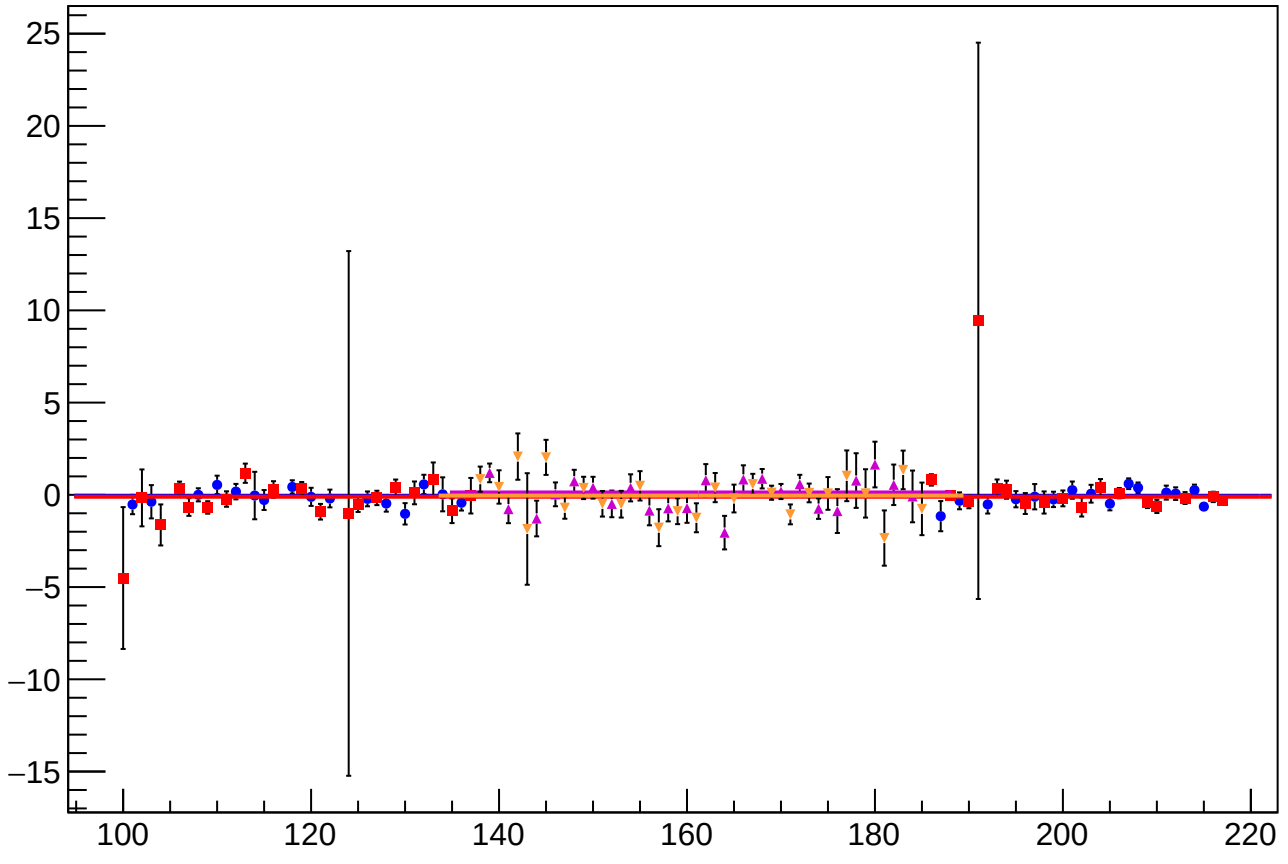
Right Out: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 377.712+/-0.048 χ^2/NDF: 12480710.5/55

All: 352.893+/-0.032 χ^2/NDF: 28465209.1/11

- sign 332.573+/-0.043 χ^2/NDF: 15496796.4/58



Right In: -0.050+/-0.076 χ^2/NDF: 29.7/30

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

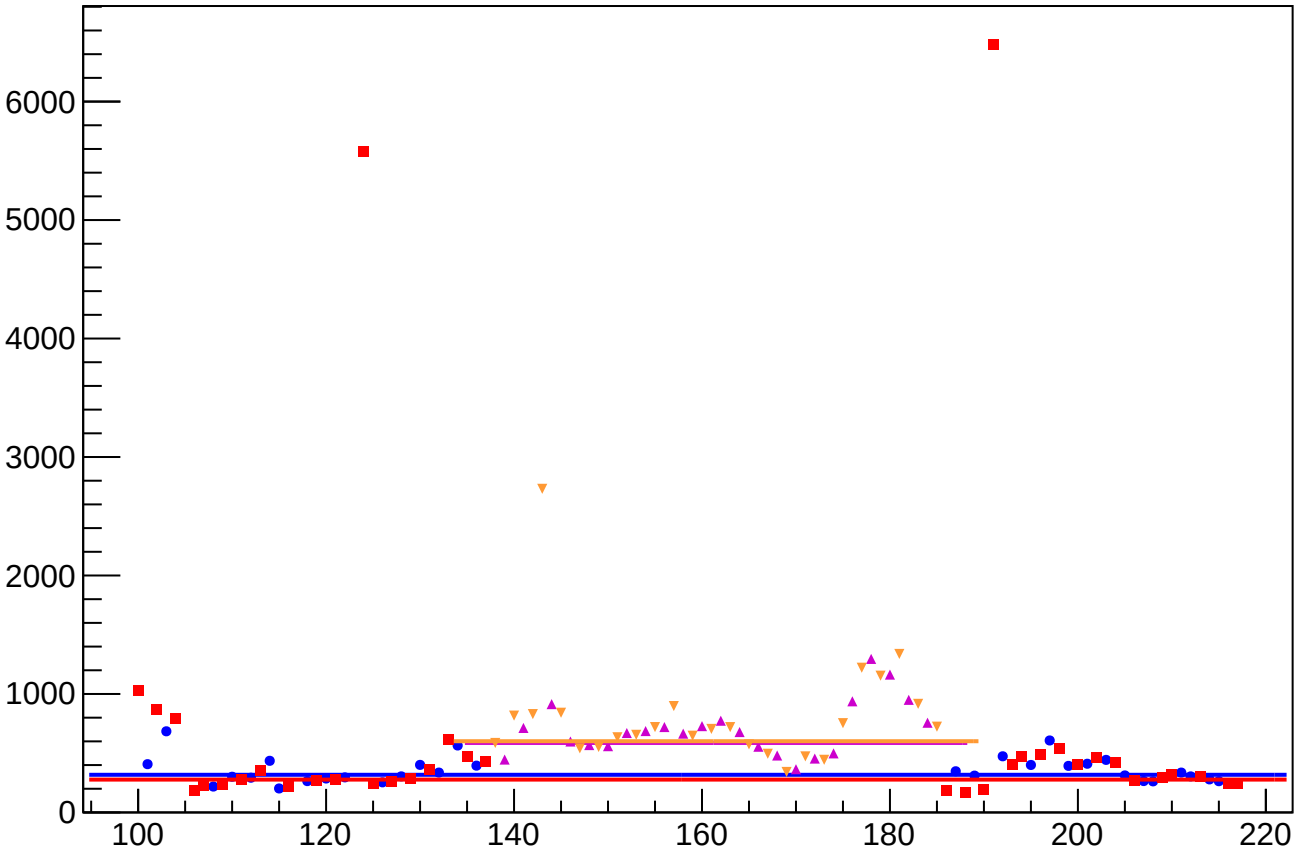
Right Out: -0.103+/-0.068 χ^2/NDF: 44.2/35

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.048+/-0.068 χ^2/NDF: 59.8/55

All: -0.055+/-0.045 χ^2/NDF: 135.1/114

- sign -0.062+/-0.061 χ^2/NDF: 75.3/58



Right In: 317.900+/-0.054 χ^2/NDF: 2200398.1/30

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 277.362+/-0.048 χ^2/NDF: 5098446.9/35

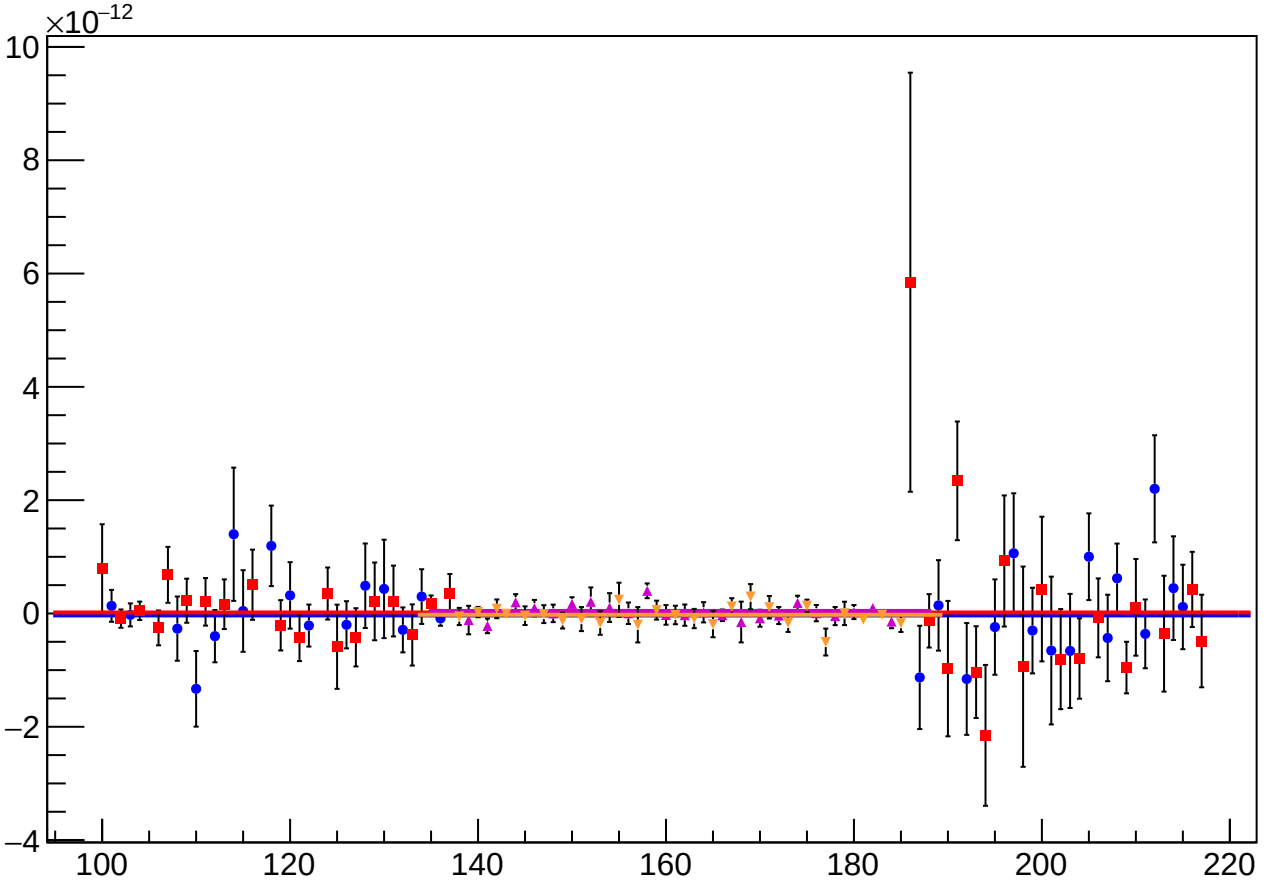
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 377.712+/-0.048 χ^2/NDF: 12480710.5/55

All: 352.893+/-0.032 χ^2/NDF: 28465209.1/11

- sign 332.573+/-0.043 χ^2/NDF: 15496796.4/58

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/35

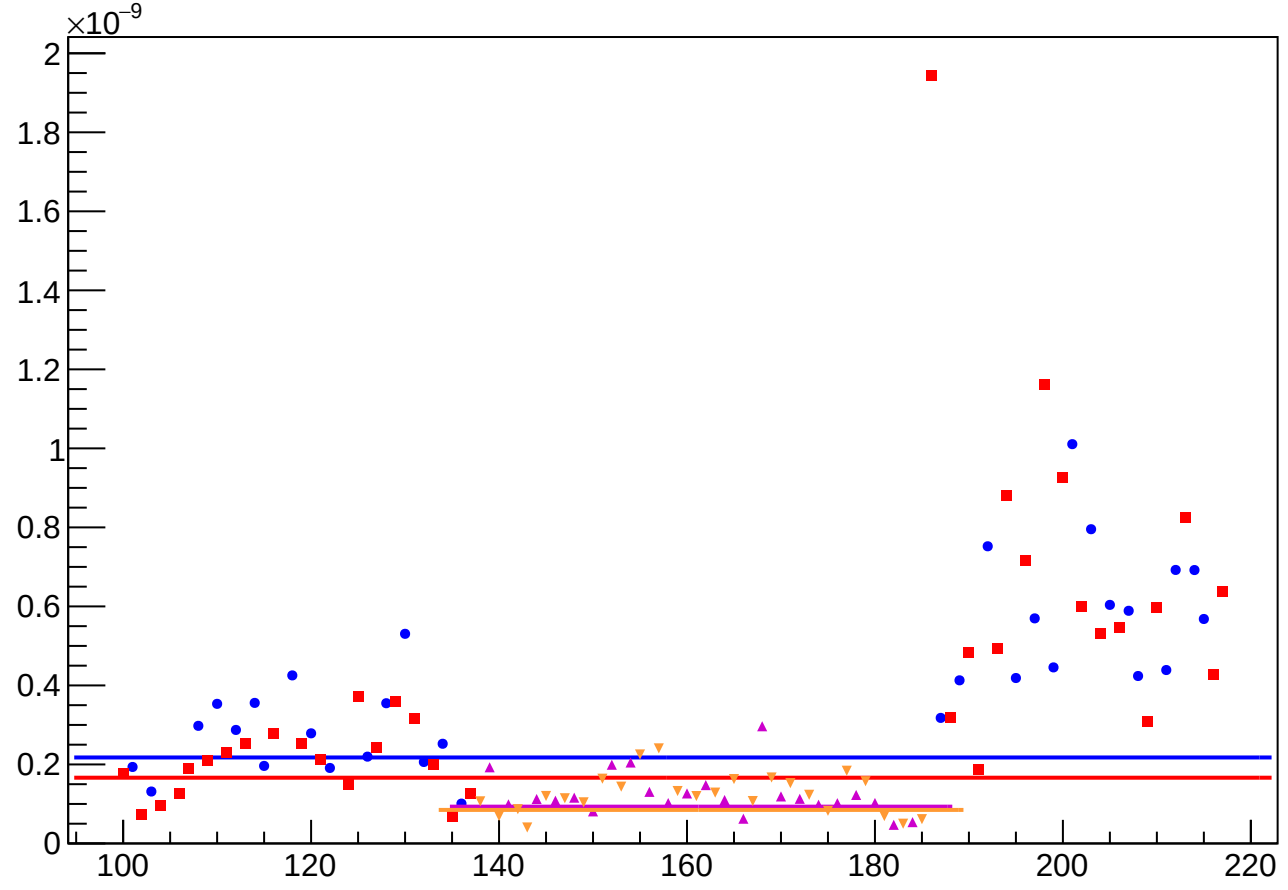
Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.5/55

All: 0.000+/-0.000 χ^2/NDF: 101.2/114

- sign 0.000+/-0.000 χ^2/NDF: 55.5/58

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8325455.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10621717.3/35

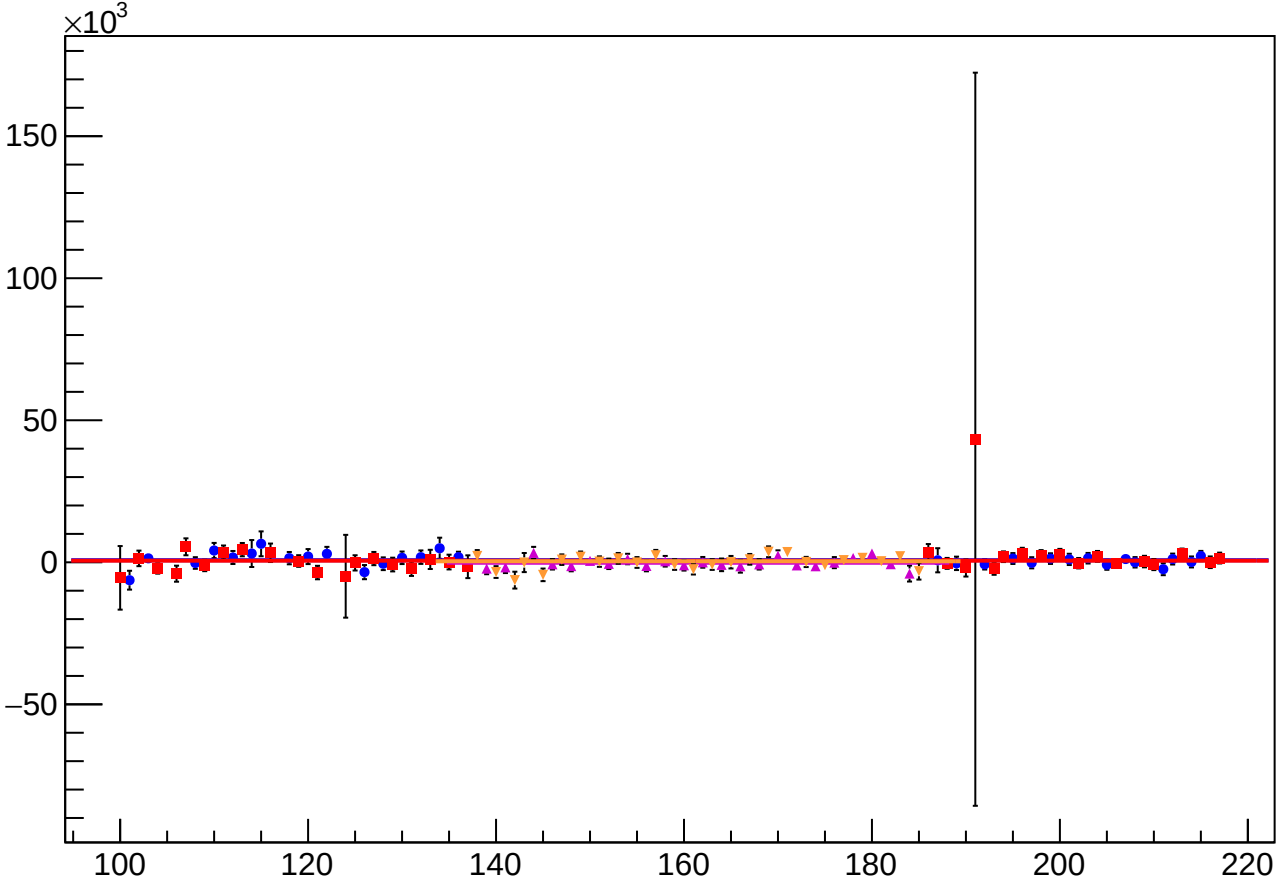
Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18862175.4/55

All: 0.000+/-0.000 χ^2/NDF: 35503197.5/114

- sign 0.000+/-0.000 χ^2/NDF: 16575265.9/58

reg_asym_at2_dd_mean vs Slug



Right In: 739.177+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.362+/-381.232 χ^2/NDF: 31.3/35

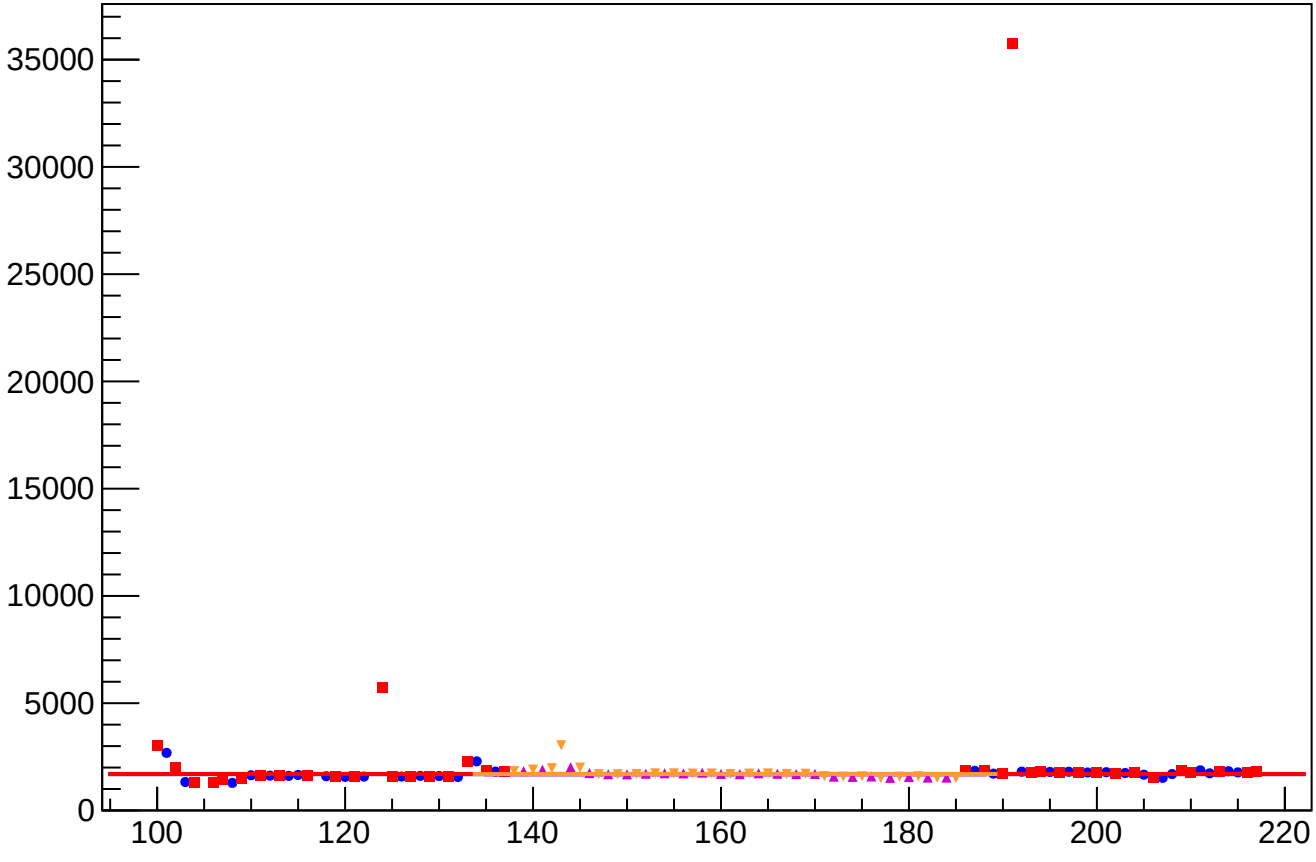
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 550.471+/-274.407 χ^2/NDF: 50.5/55

All: 385.502+/-193.912 χ^2/NDF: 100.3/114

\- sign 220.948+/-274.061 χ^2/NDF: 49.1/58

reg_asym_at2_dd_rms vs Slug



Right In: 1691.481+/-0.274 χ^2/NDF: 523492.7/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

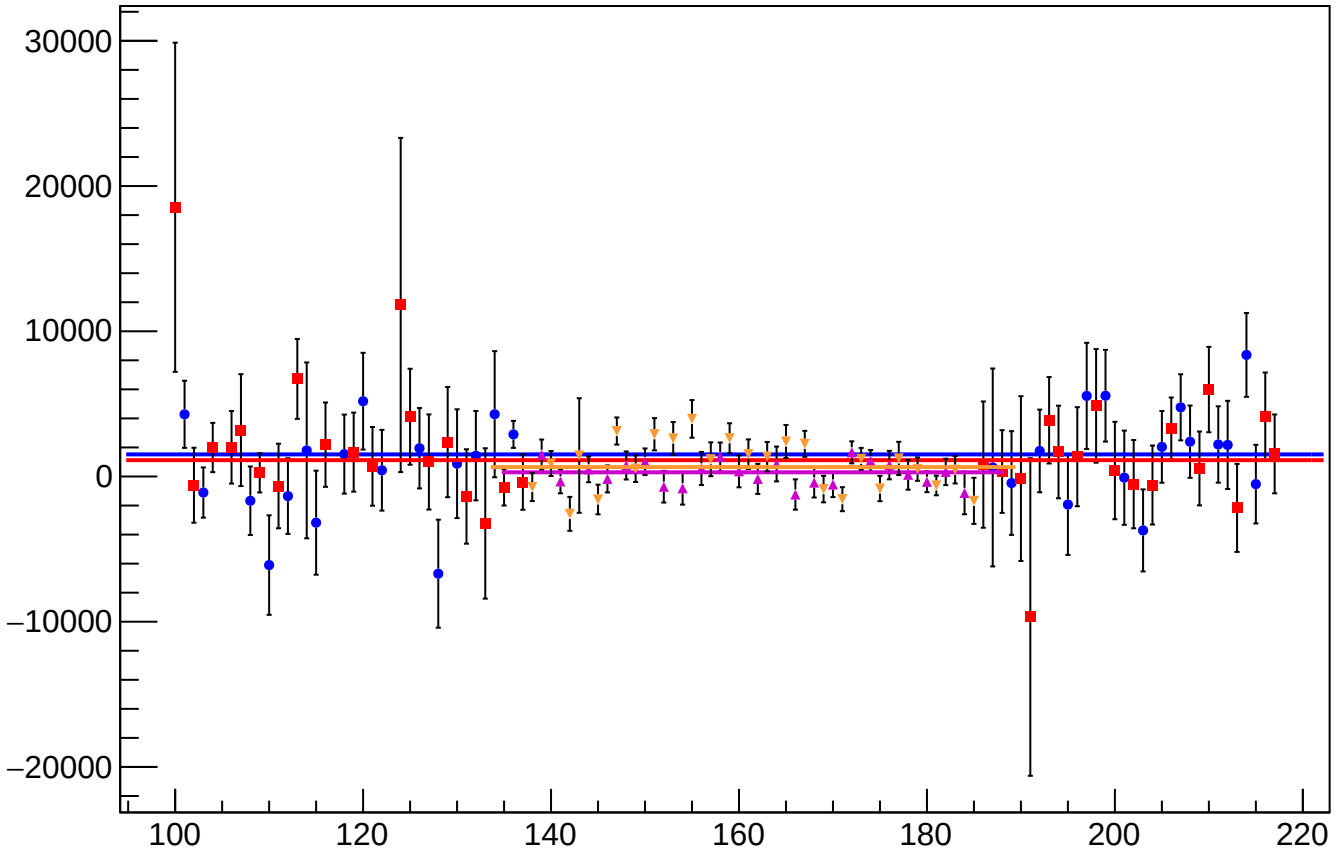
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.2/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1694.488+/-0.194 χ^2/NDF: 1019130.8/55

All: 1694.073+/-0.137 χ^2/NDF: 1918630.9/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.0/58



Right In: 1521.316+/-460.652 χ^2/NDF: 38.7/30

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1124.609+/-448.381 χ^2/NDF: 24.2/35

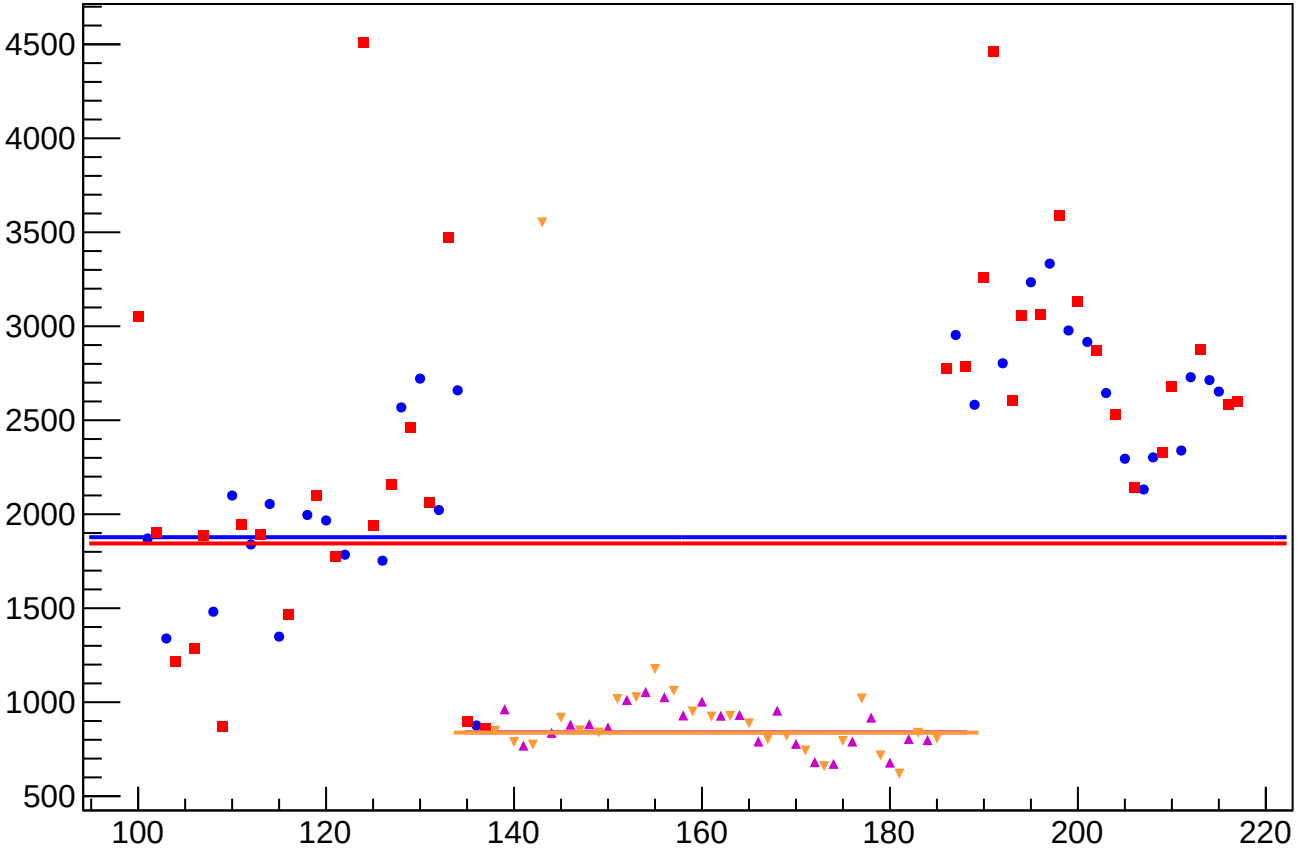
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 782.473+/-180.097 χ^2/NDF: 107.3/55

All: 605.427+/-127.842 χ^2/NDF: 152.9/114

- sign 425.604+/-181.504 χ^2/NDF: 43.7/58

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1877.734+/-0.326 χ^2/NDF: 5122037.8/30

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1844.556+/-0.317 χ^2/NDF: 6595018.7/35

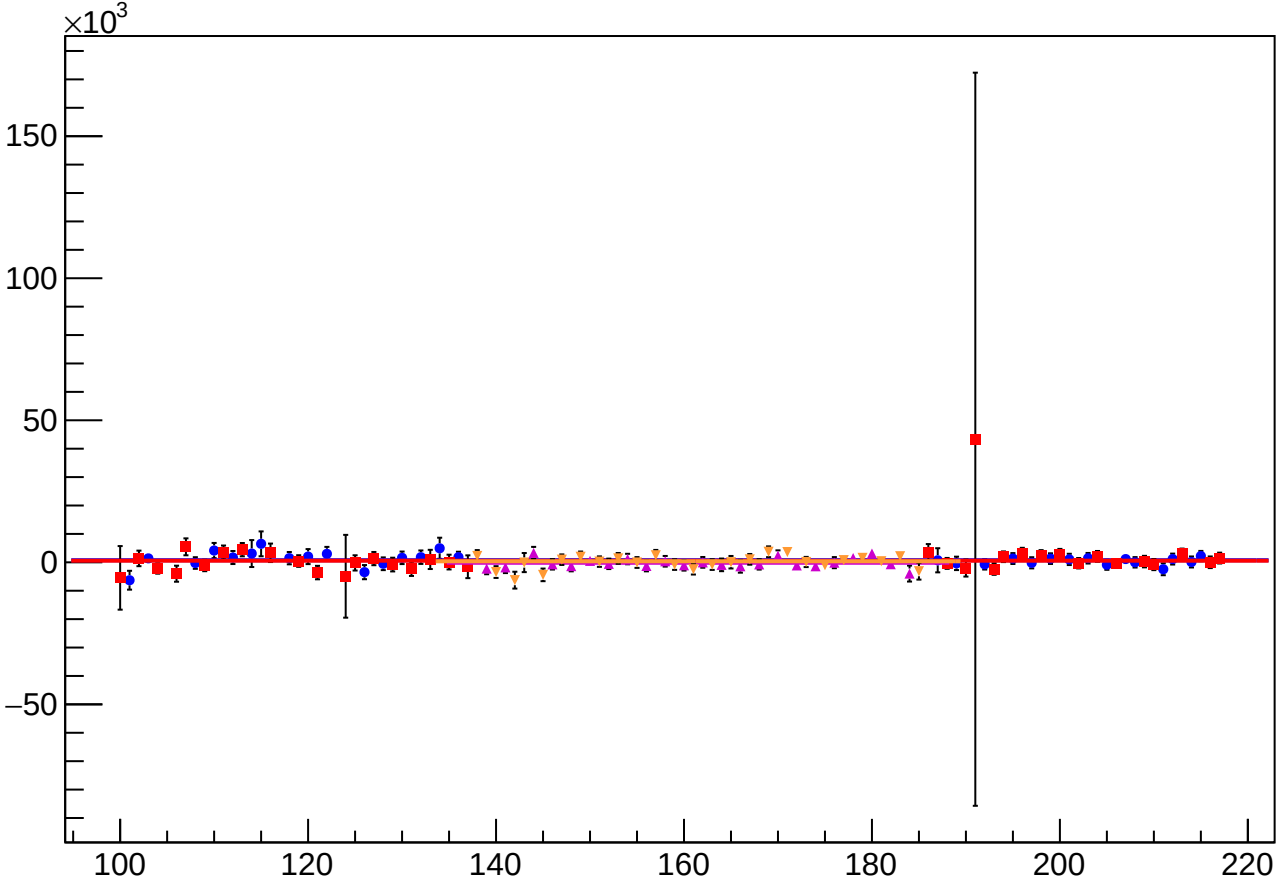
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 997.129+/-0.127 χ^2/NDF: 15549798.6/55

All: 1000.830+/-0.090 χ^2/NDF: 31210141.9/1

- sign 1004.589+/-0.128 χ^2/NDF: 15658640.8/58

cor_asym_at2_dd_mean vs Slug



Right In: 739.214+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.461+/-381.232 χ^2/NDF: 31.3/35

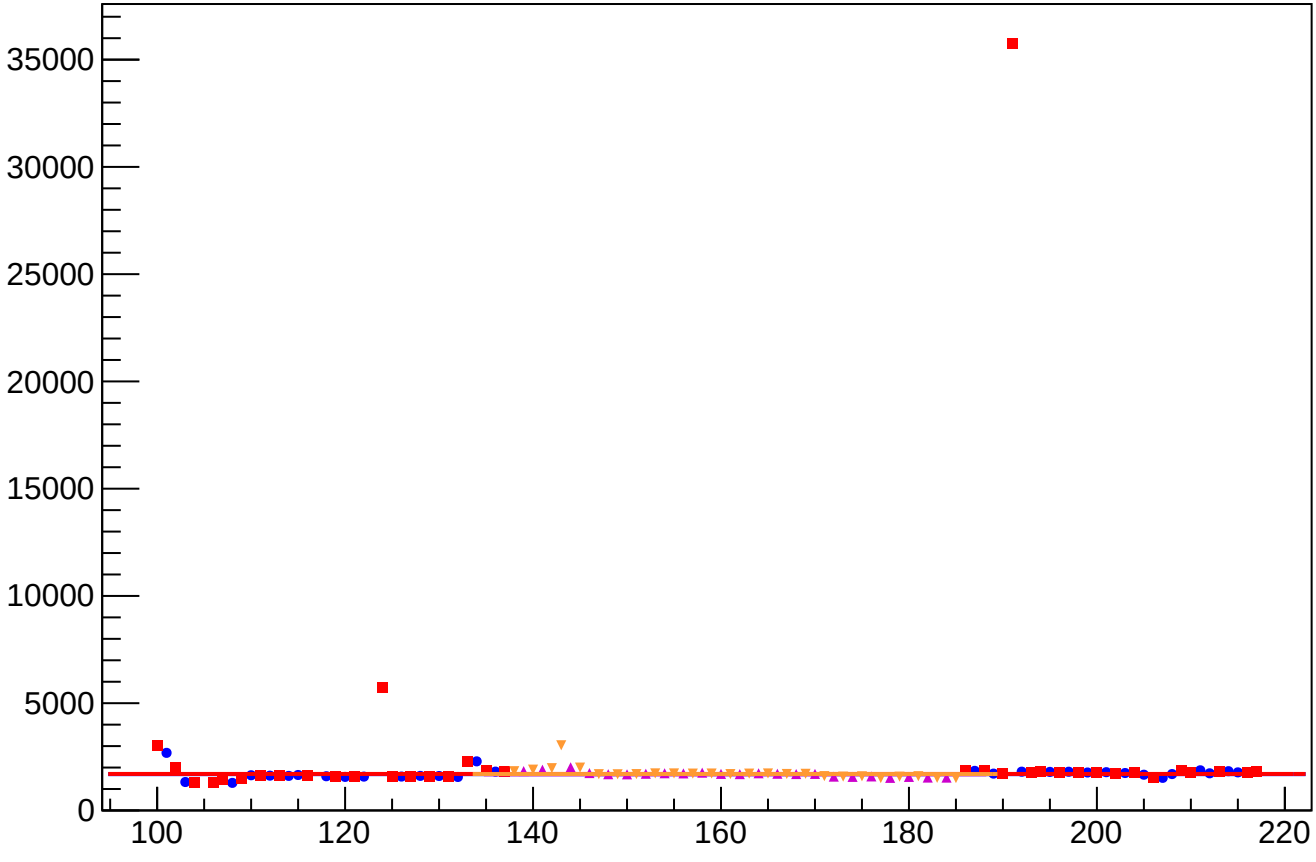
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 550.447+/-274.407 χ^2/NDF: 50.5/55

All: 385.538+/-193.912 χ^2/NDF: 100.3/114

- sign 221.045+/-274.061 χ^2/NDF: 49.1/58

cor_asym_at2_dd_rms vs Slug



Right In: 1691.481+/-0.274 χ^2/NDF: 523493.1/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

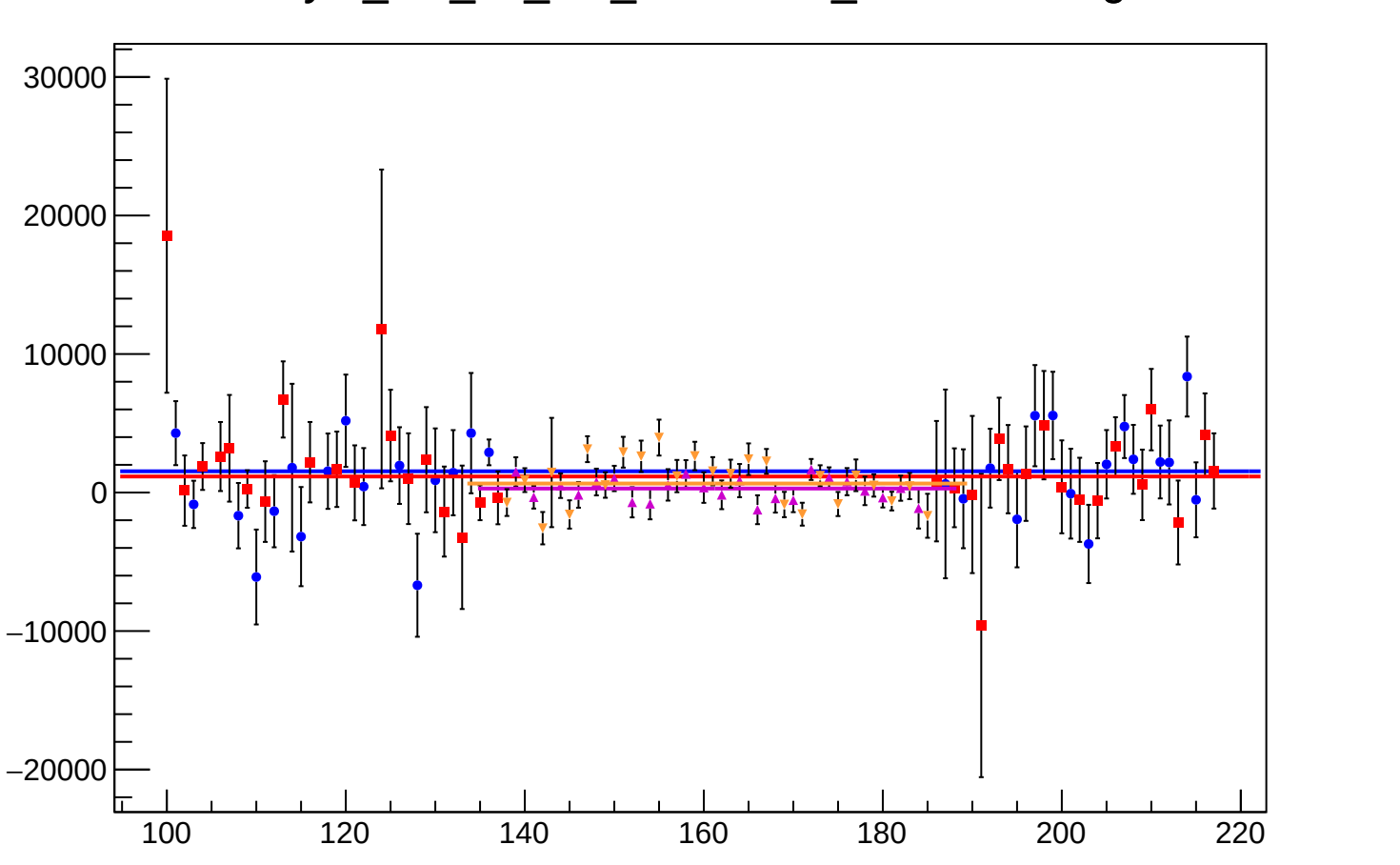
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1694.488+/-0.194 χ^2/NDF: 1019131.2/55

All: 1694.073+/-0.137 χ^2/NDF: 1918631.3/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.1/58



Right In: 1535.236+/-460.238 χ^2/NDF: 38.4/30

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1157.677+/-447.979 χ^2/NDF: 24.1/35

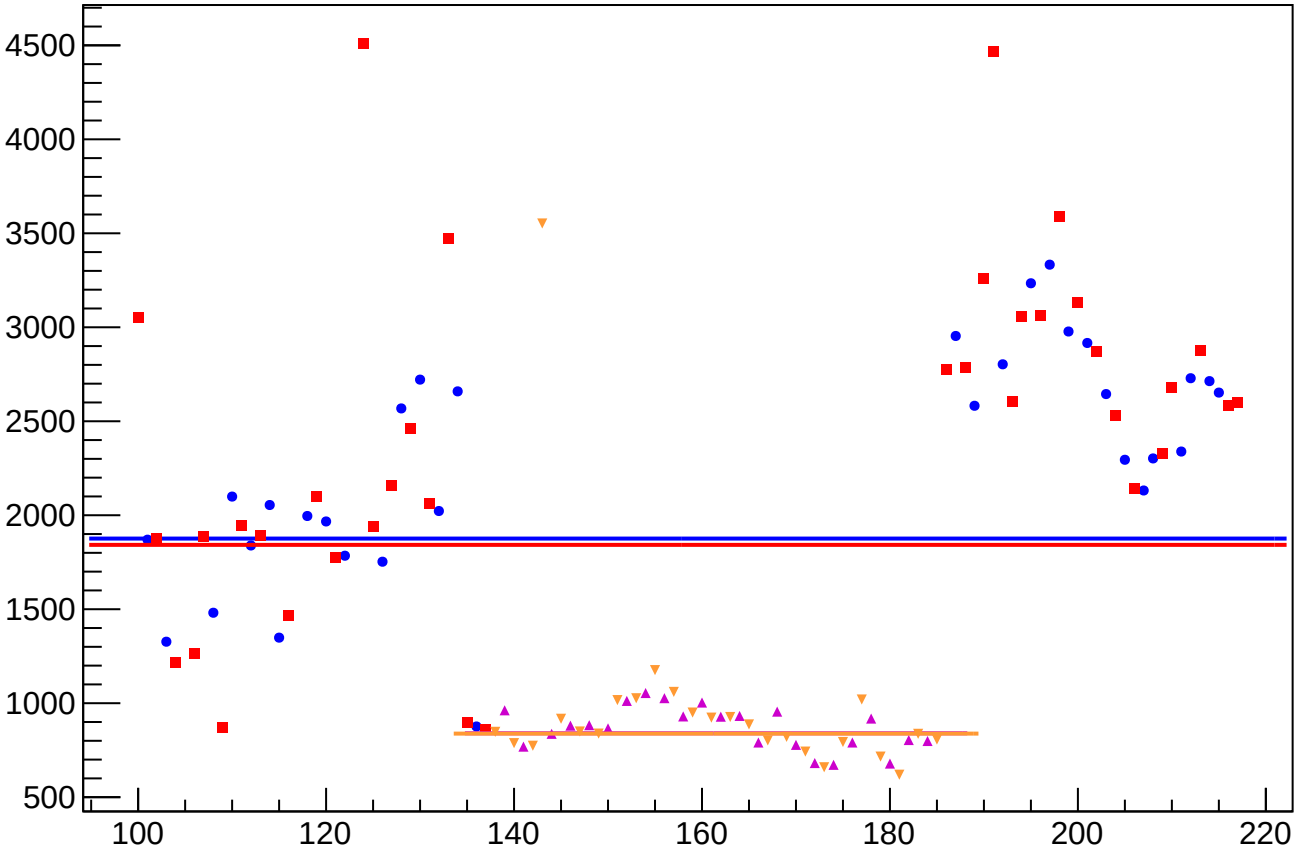
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 784.810+/-180.074 χ^2/NDF: 107.0/55

All: 609.390+/-127.825 χ^2/NDF: 152.7/114

- sign 431.224+/-181.478 χ^2/NDF: 43.7/58

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1875.896+/-0.325 χ^2/NDF: 5135558.8/30

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

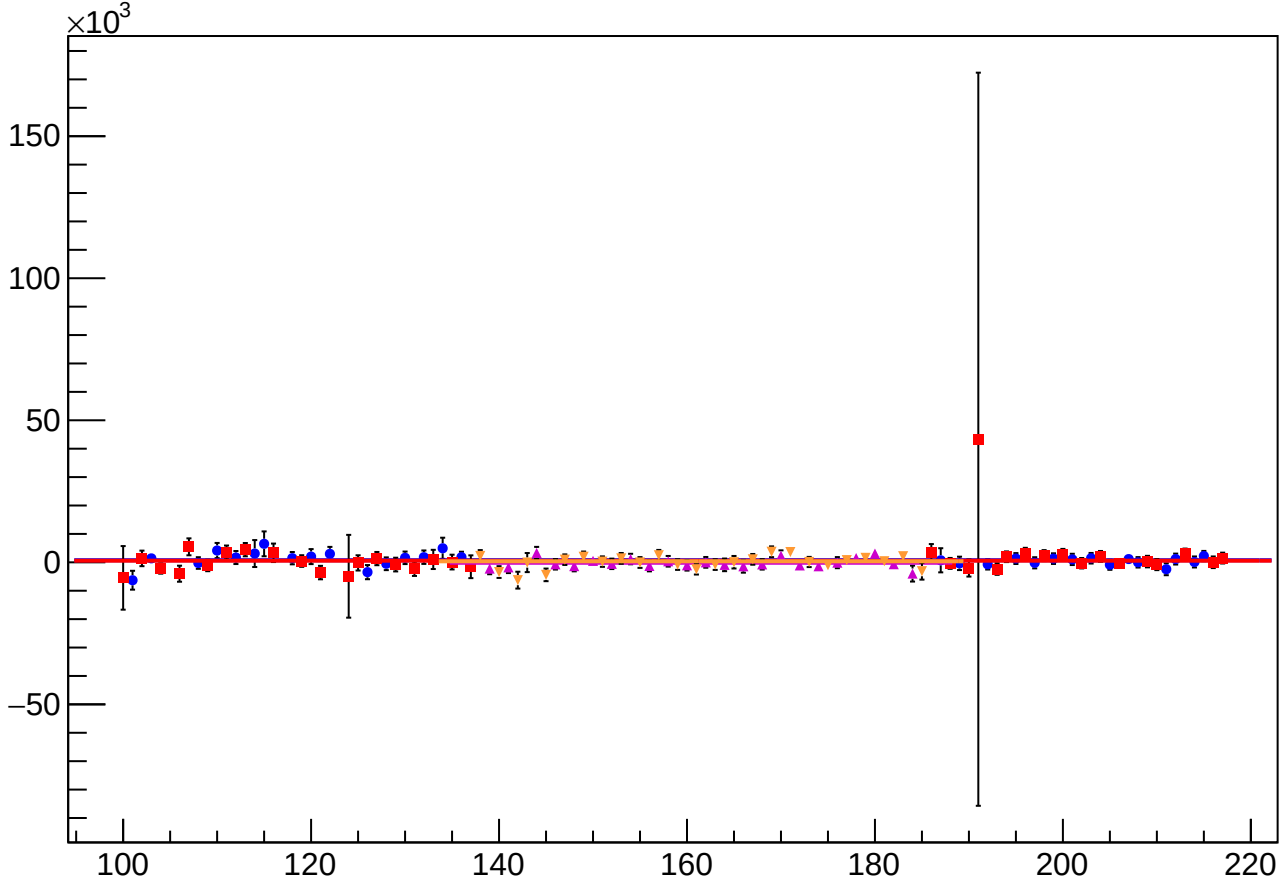
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 997.102+/-0.127 χ^2/NDF: 15545614.6/55

All: 1000.765+/-0.090 χ^2/NDF: 31194482.5/1

- sign 1004.484+/-0.128 χ^2/NDF: 15647200.4/58

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 739.214+/-388.008 χ^2/NDF: 20.4/30

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 574.461+/-381.232 χ^2/NDF: 31.3/35

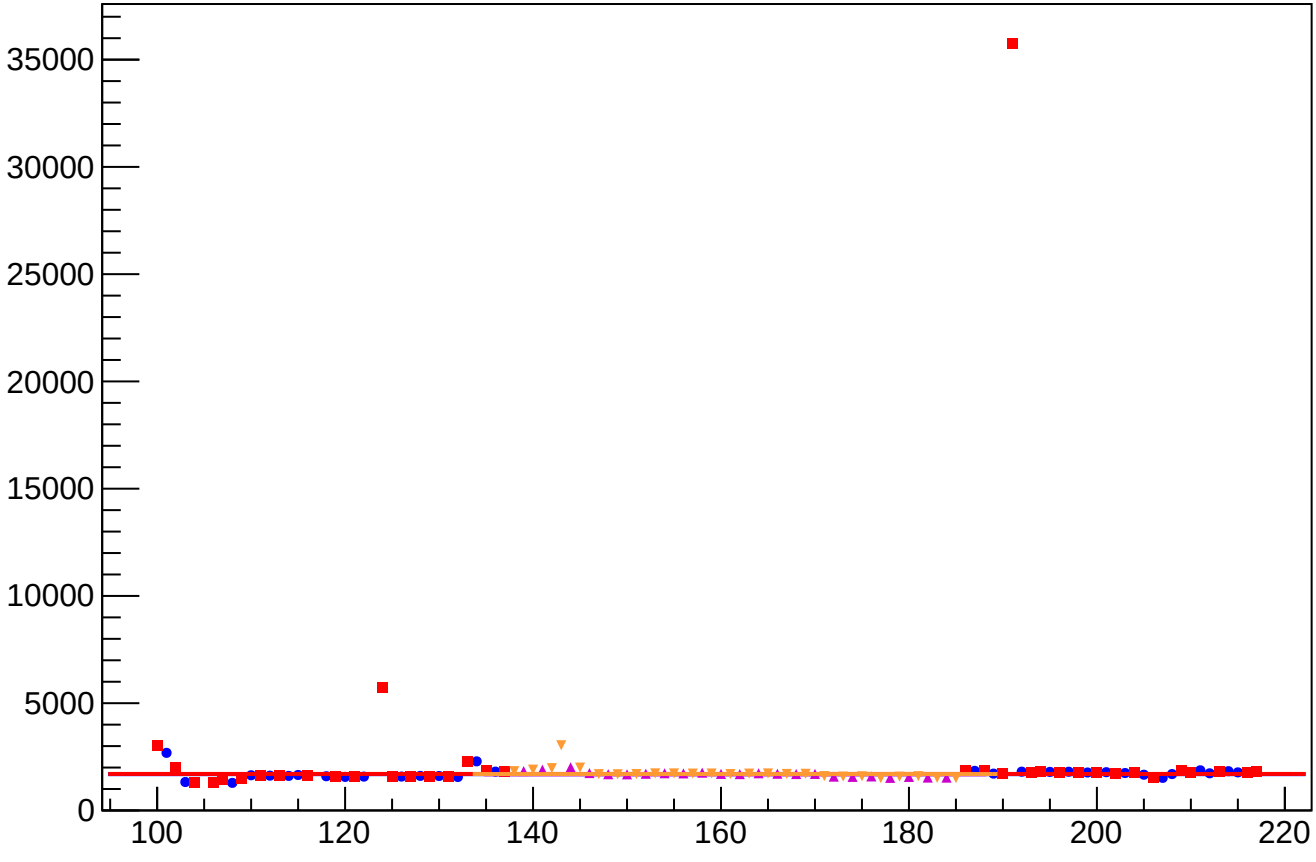
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

\+ sign 550.447+/-274.407 χ^2/NDF: 50.5/55

All: 385.538+/-193.912 χ^2/NDF: 100.3/114

\- sign 221.045+/-274.061 χ^2/NDF: 49.1/58

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1691.481+/-0.274 χ^2/NDF: 523493.1/30

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

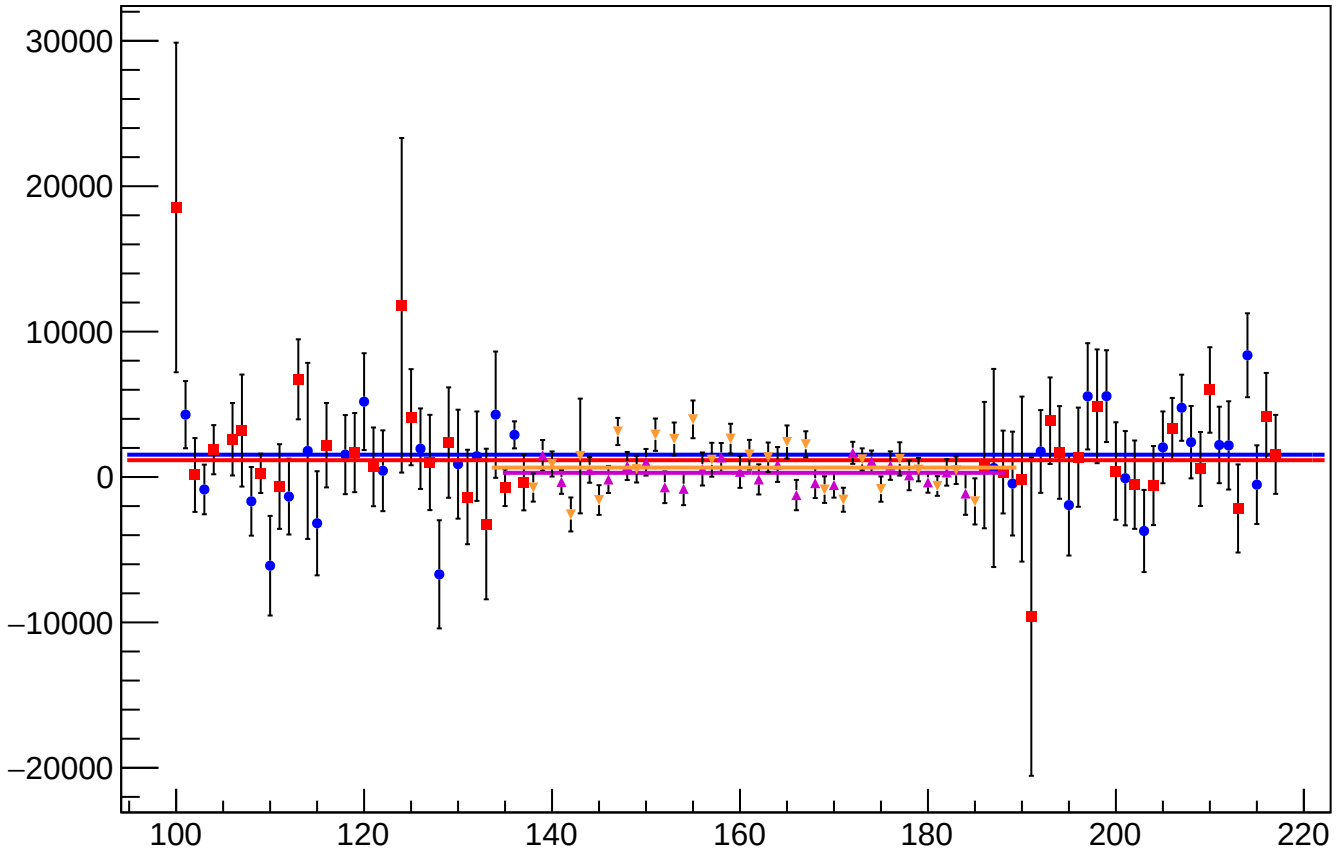
Right Out: 1702.153+/-0.270 χ^2/NDF: 732081.3/35

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1694.488+/-0.194 χ^2/NDF: 1019131.2/55

All: 1694.073+/-0.137 χ^2/NDF: 1918631.3/11

- sign 1693.660+/-0.194 χ^2/NDF: 899491.1/58



Right In: 1535.236+/-460.238 χ^2/NDF: 38.4/30

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1157.677+/-447.979 χ^2/NDF: 24.1/35

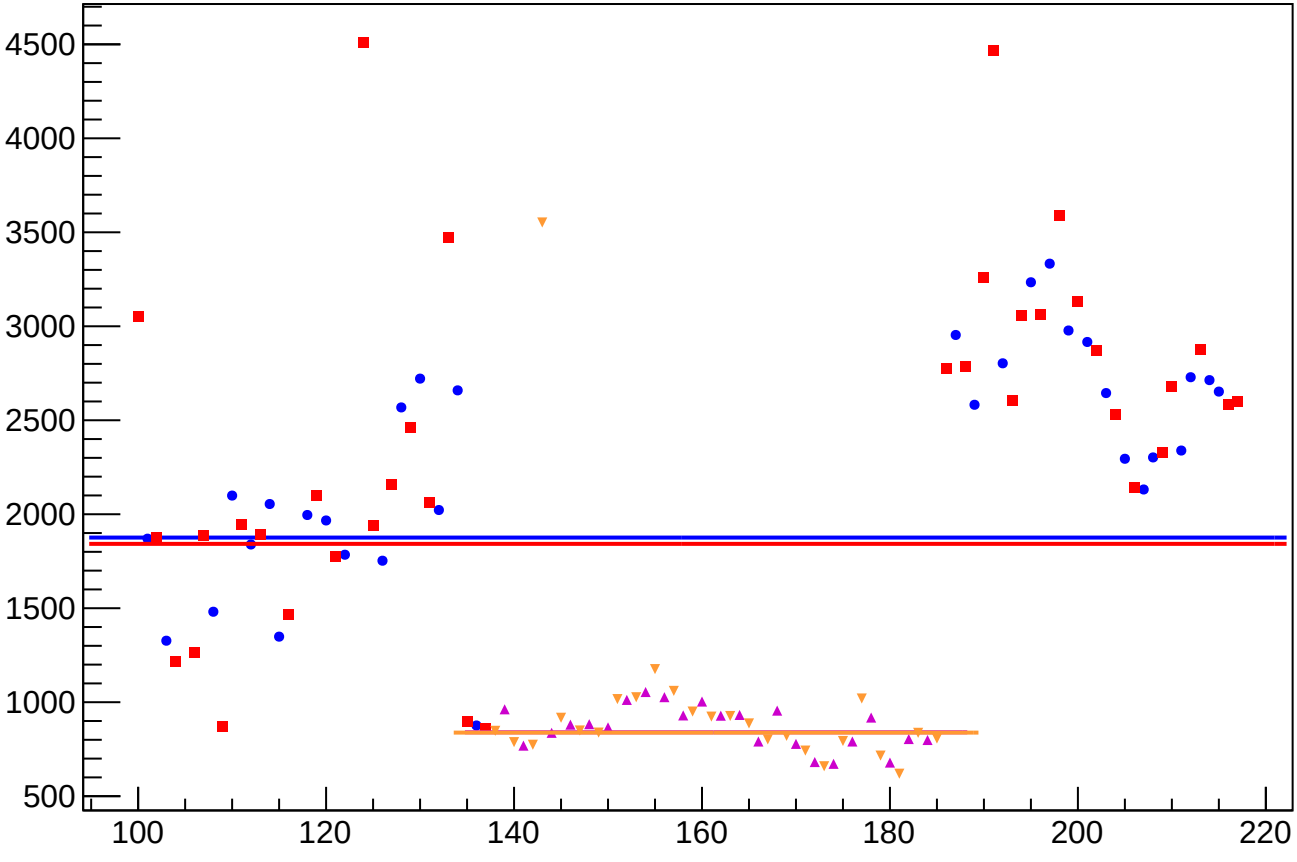
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 784.810+/-180.074 χ^2/NDF: 107.0/55

All: 609.390+/-127.825 χ^2/NDF: 152.7/114

- sign 431.224+/-181.478 χ^2/NDF: 43.7/58

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1875.896+/-0.325 χ^2/NDF: 5135558.8/30

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1842.401+/-0.317 χ^2/NDF: 6607083.3/35

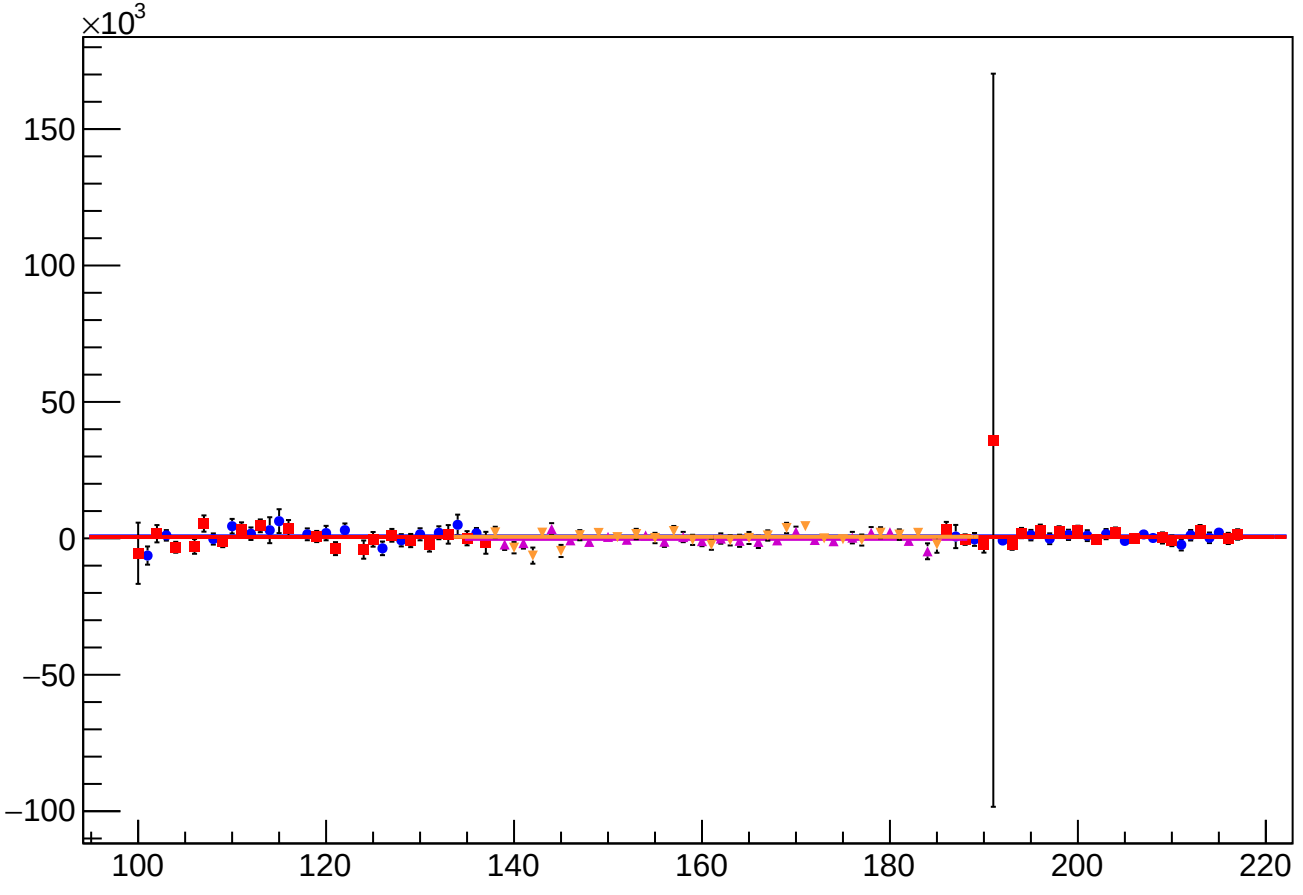
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 997.102+/-0.127 χ^2/NDF: 15545614.6/55

All: 1000.765+/-0.090 χ^2/NDF: 31194482.5/1

- sign 1004.484+/-0.128 χ^2/NDF: 15647200.4/58

dit_asym_at2_dd_mean vs Slug



Right In: 733.185+/-390.497 χ^2/NDF: 20.8/30

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 489.649+/-381.697 χ^2/NDF: 33.7/35

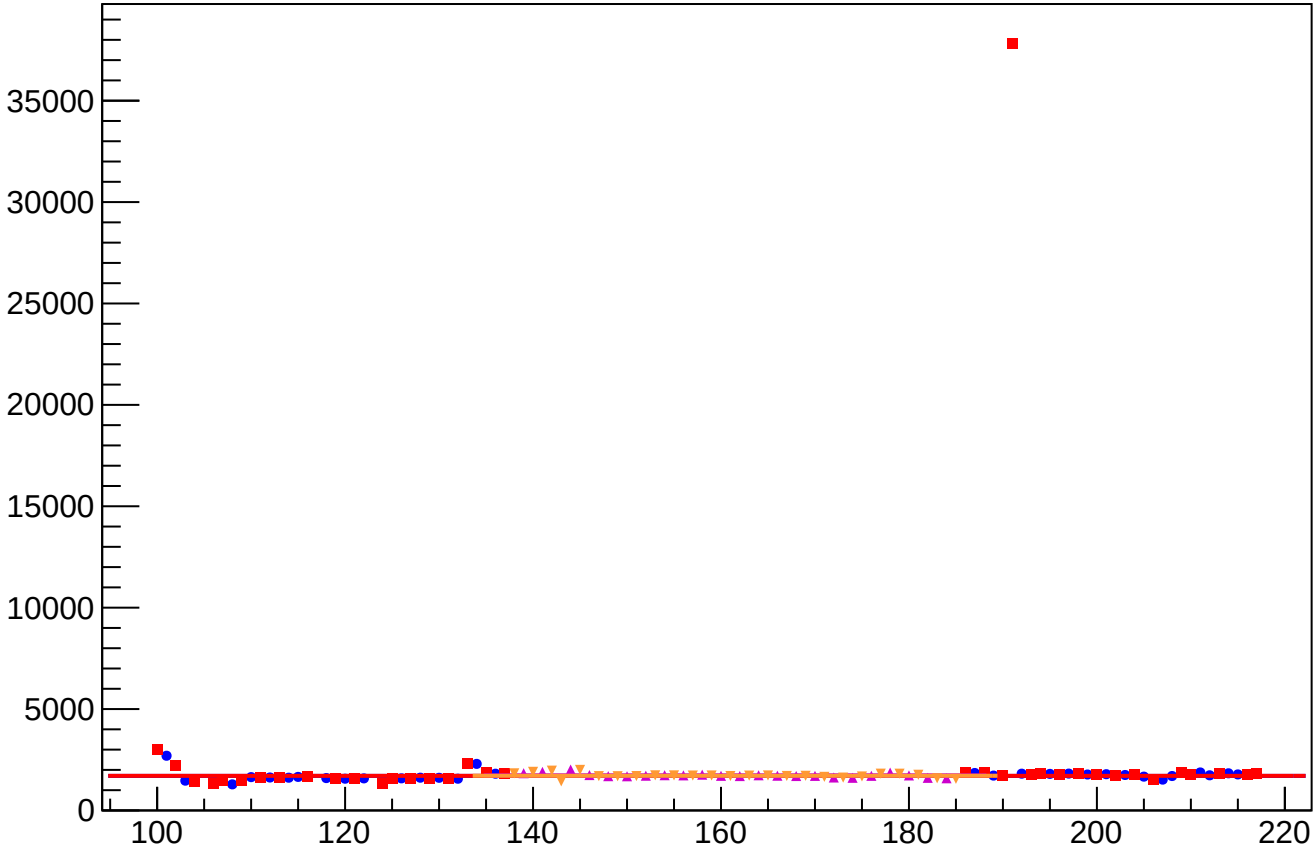
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 656.600+/-275.865 χ^2/NDF: 52.9/55

All: 415.289+/-195.635 χ^2/NDF: 104.0/114

- sign 171.144+/-277.481 χ^2/NDF: 49.6/58

dit_asym_at2_dd_rms vs Slug



Right In: 1703.661+/-0.276 χ^2/NDF: 464878.2/30

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1706.863+/-0.270 χ^2/NDF: 590868.9/35

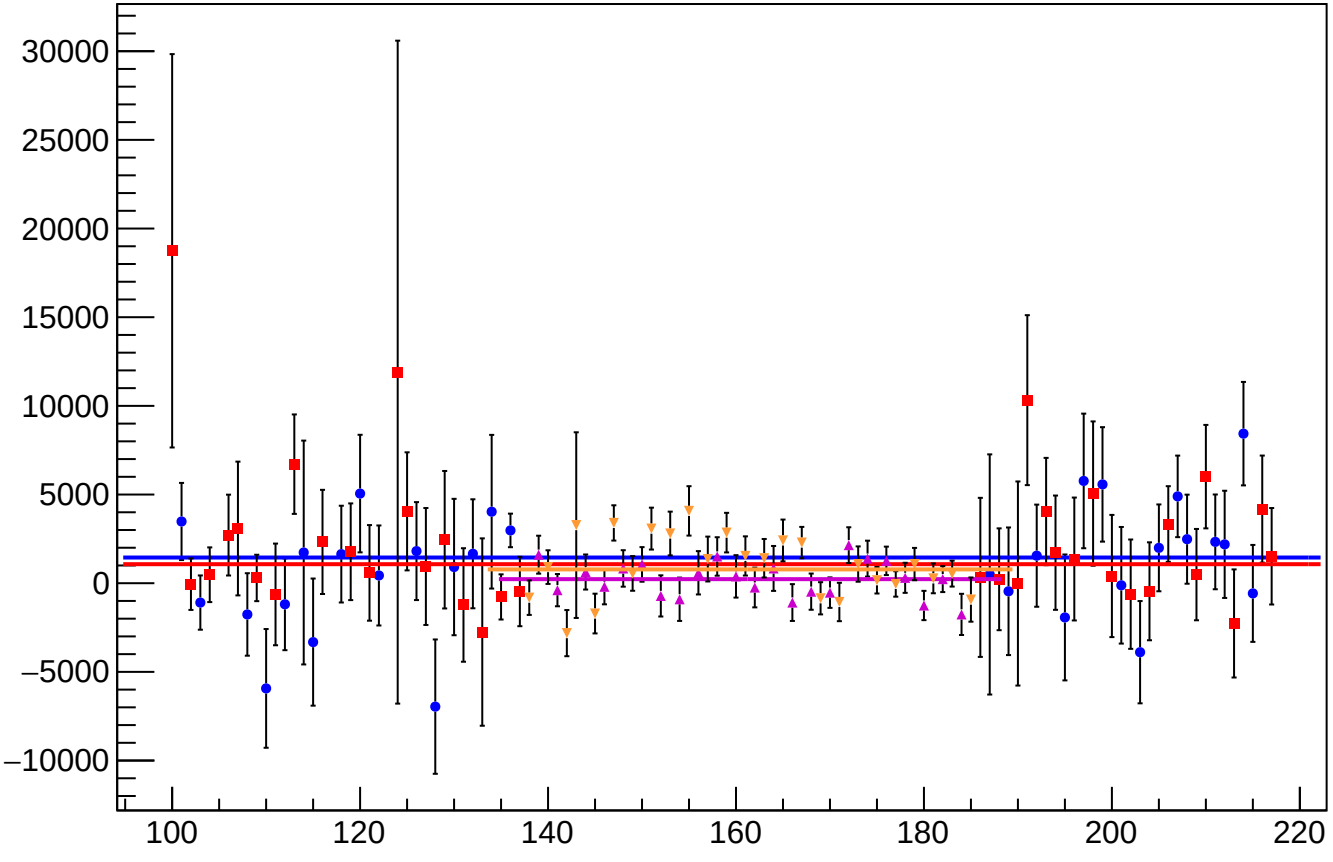
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1707.694+/-0.195 χ^2/NDF: 633310.3/55

All: 1712.214+/-0.138 χ^2/NDF: 1328354.5/11

- sign 1716.788+/-0.196 χ^2/NDF: 693963.7/58

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1448.423+/-458.678 χ^2/NDF: 39.2/30

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1072.758+/-430.146 χ^2/NDF: 27.0/35

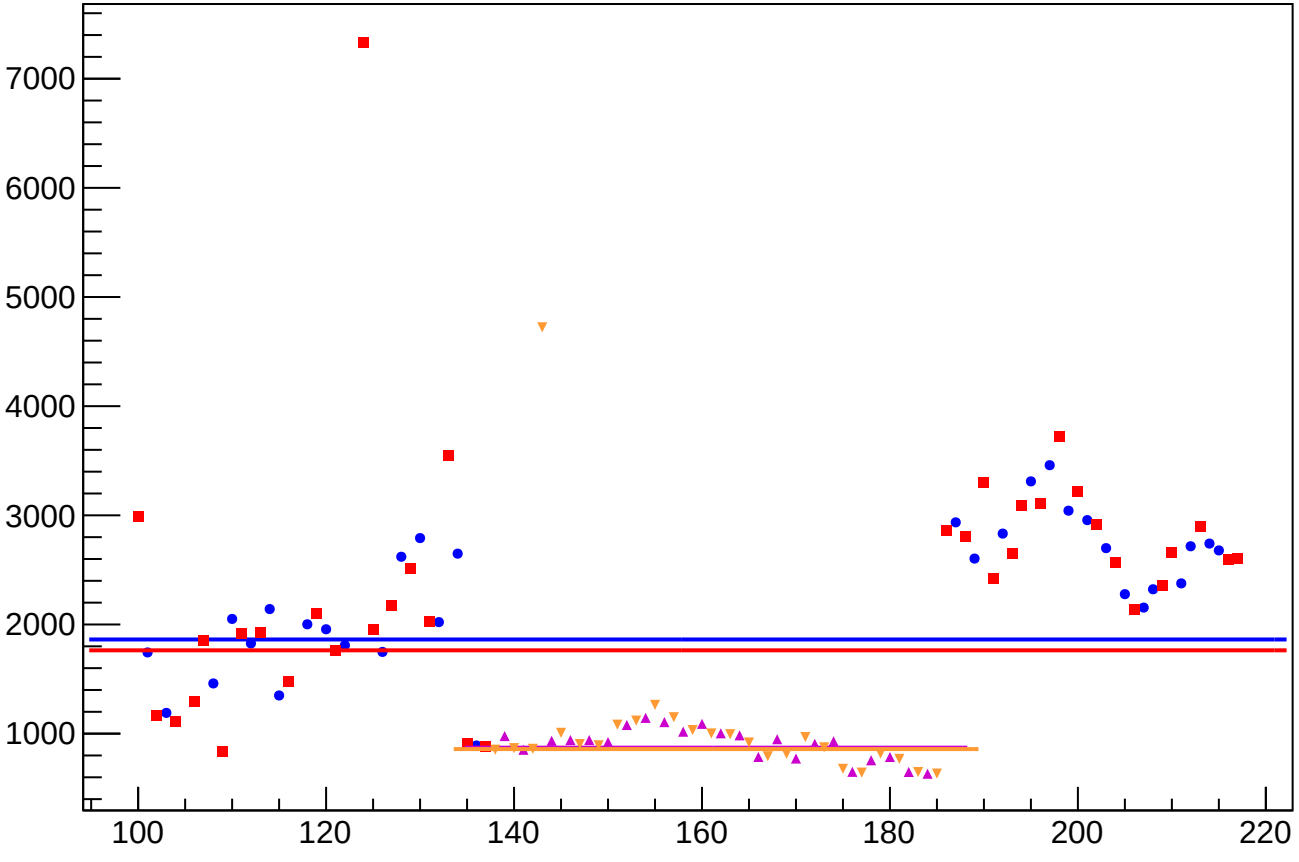
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 887.397+/-184.591 χ^2/NDF: 95.5/55

All: 639.610+/-131.129 χ^2/NDF: 151.8/114

- sign 387.190+/-186.308 χ^2/NDF: 52.7/58

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1862.732+/-0.324 χ^2/NDF: 5347217.4/30

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1763.242+/-0.304 χ^2/NDF: 7328634.2/35

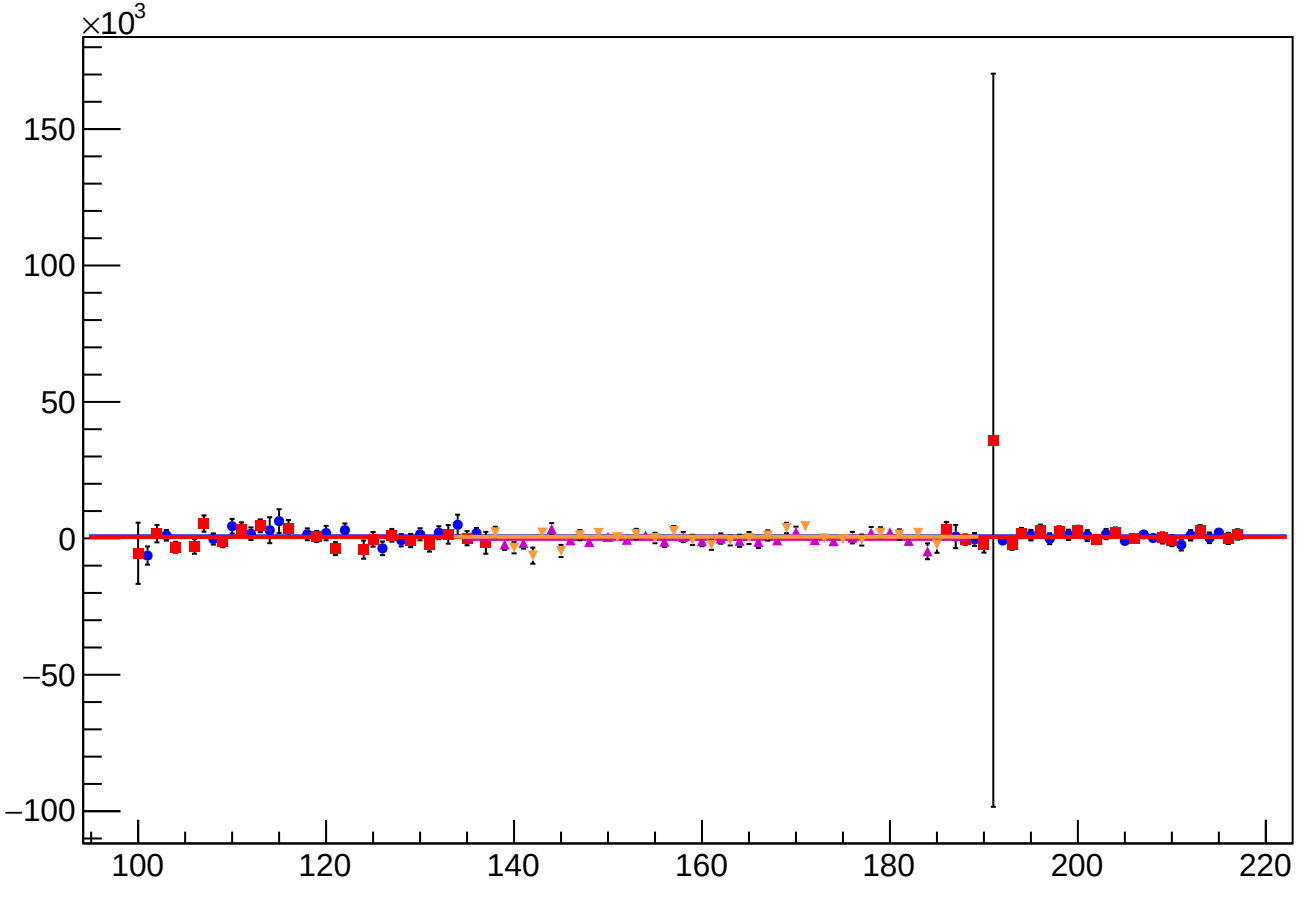
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1021.223+/-0.131 χ^2/NDF: 15659784.9/55

All: 1029.936+/-0.093 χ^2/NDF: 30959419.2/1

- sign 1038.812+/-0.132 χ^2/NDF: 15290638.0/58

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 733.181+/-390.497 χ^2/NDF: 20.8/30

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 489.645+/-381.697 χ^2/NDF: 33.7/35

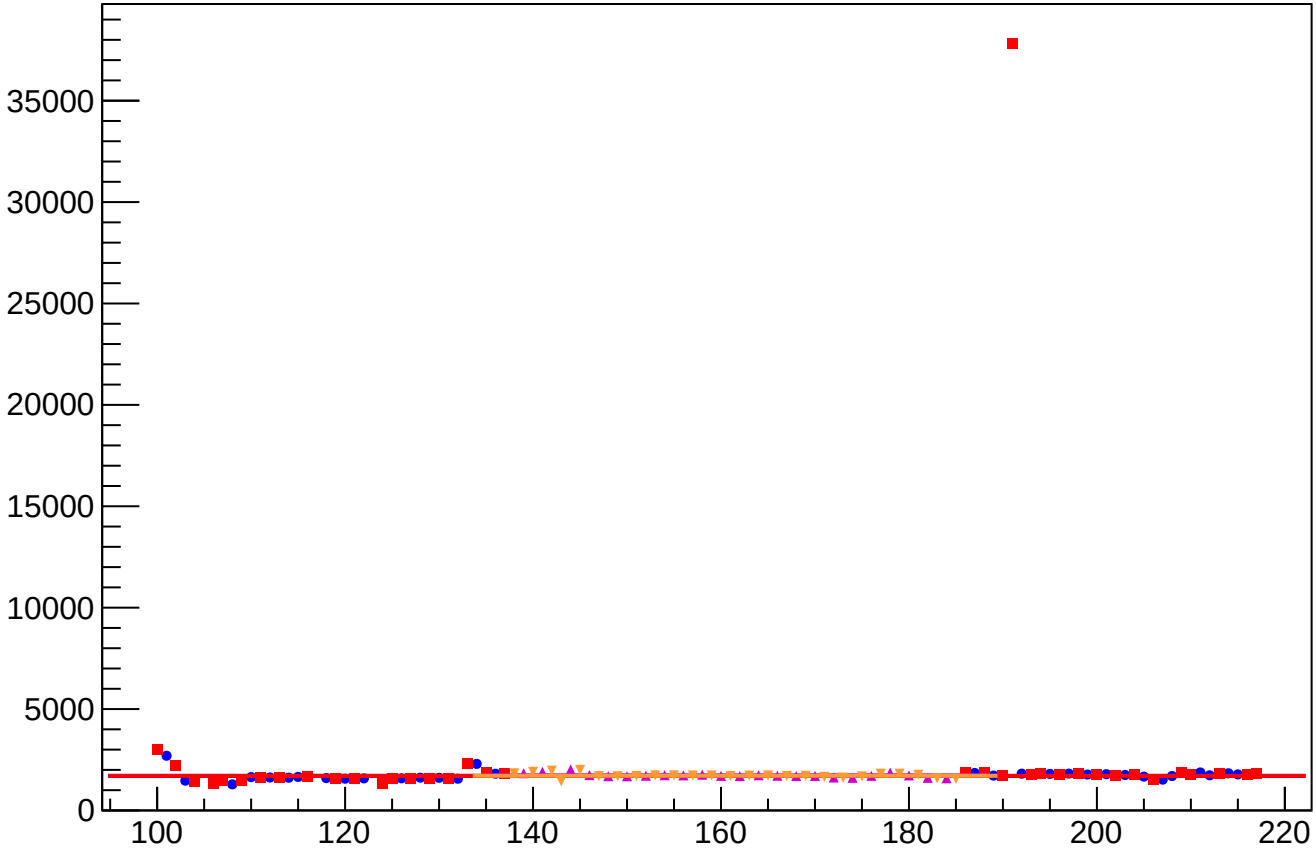
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 656.595+/-275.865 χ^2/NDF: 52.9/55

All: 415.285+/-195.635 χ^2/NDF: 104.0/114

- sign 171.141+/-277.481 χ^2/NDF: 49.6/58

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1703.661+/-0.276 χ^2/NDF: 464878.0/30

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1706.863+/-0.270 χ^2/NDF: 590869.1/35

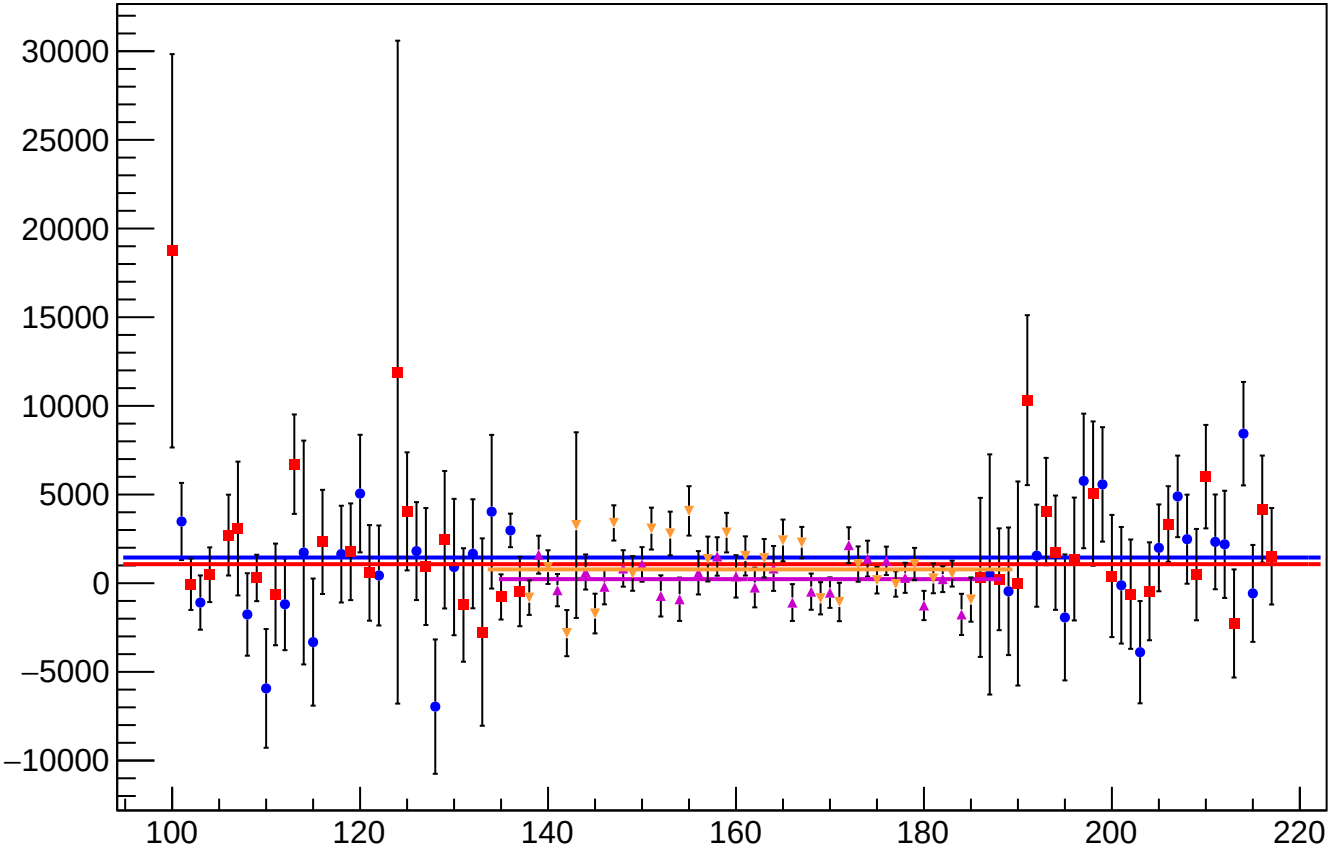
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1707.694+/-0.195 χ^2/NDF: 633309.0/55

All: 1712.214+/-0.138 χ^2/NDF: 1328353.2/11

- sign 1716.788+/-0.196 χ^2/NDF: 693963.8/58

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1448.421+/-458.680 χ^2/NDF: 39.2/30

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1072.769+/-430.148 χ^2/NDF: 27.0/35

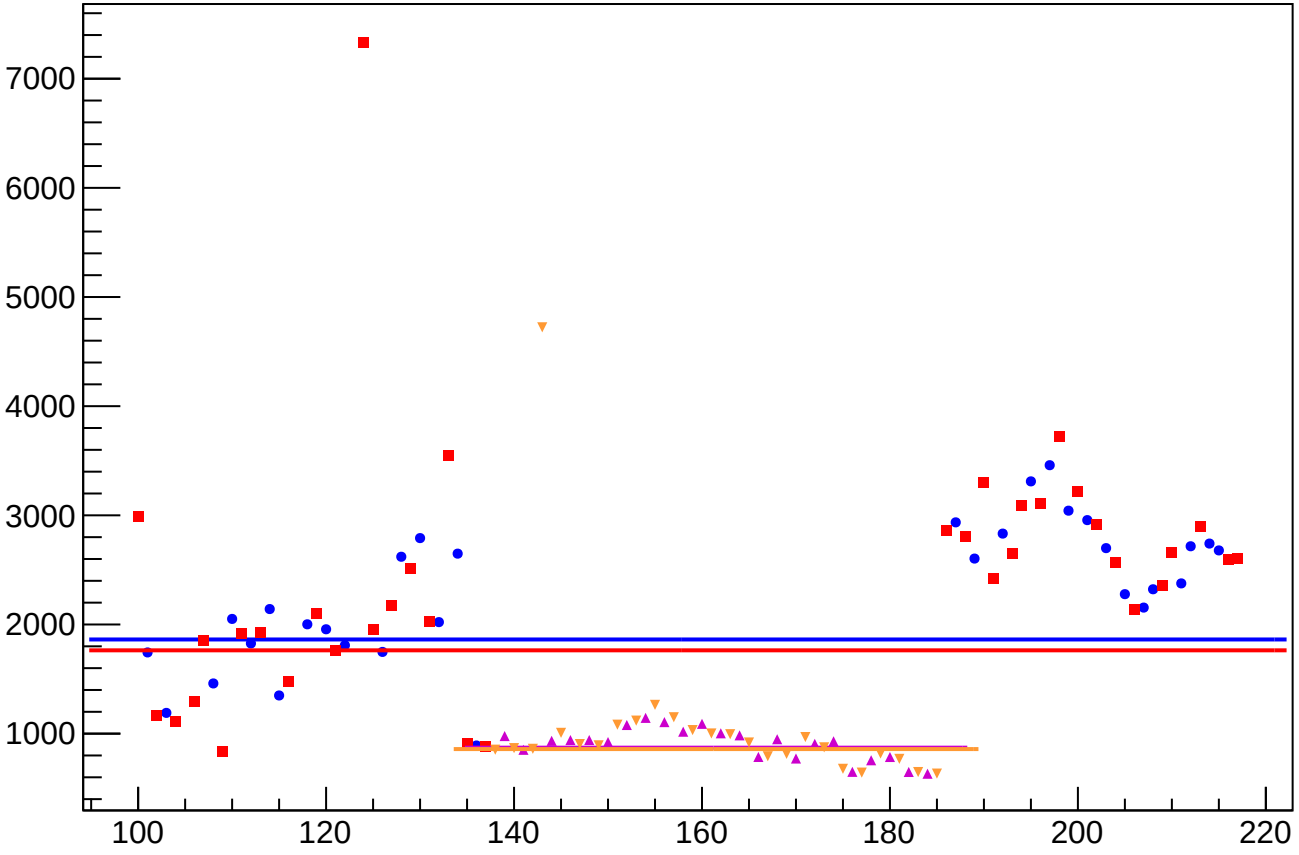
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

+ sign 887.399+/-184.592 χ^2/NDF: 95.5/55

All: 639.609+/-131.129 χ^2/NDF: 151.8/114

- sign 387.189+/-186.308 χ^2/NDF: 52.7/58

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1862.745+/-0.324 χ^2/NDF: 5347021.4/30

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1763.255+/-0.304 χ^2/NDF: 7328467.0/35

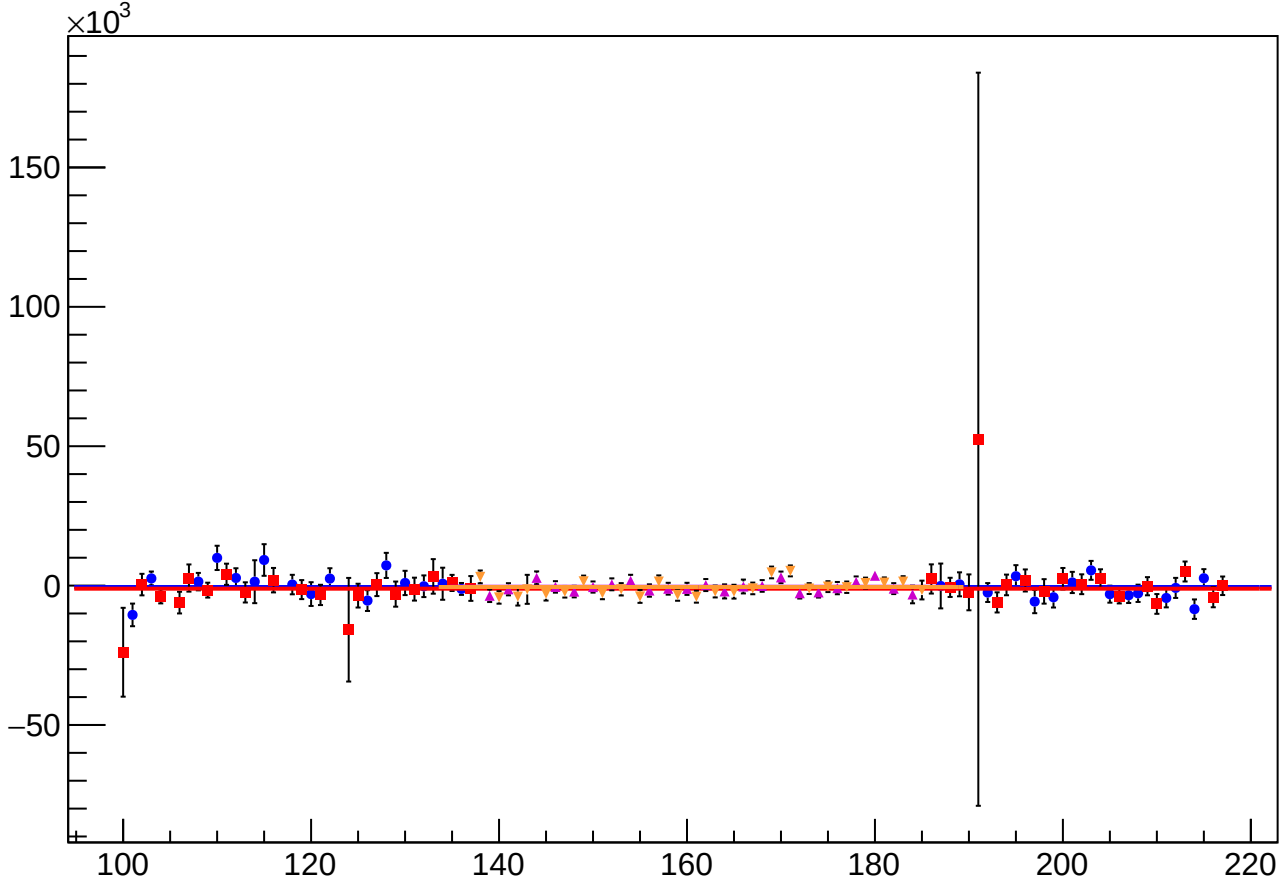
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1021.224+/-0.131 χ^2/NDF: 15659730.3/55

All: 1029.937+/-0.093 χ^2/NDF: 30959372.2/1

- sign 1038.812+/-0.132 χ^2/NDF: 15290646.9/58

asym_at2_dd_mean vs Slug



Right In: -513.023+/-645.895 χ^2/NDF: 40.7/30

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1106.906+/-636.001 χ^2/NDF: 23.7/35

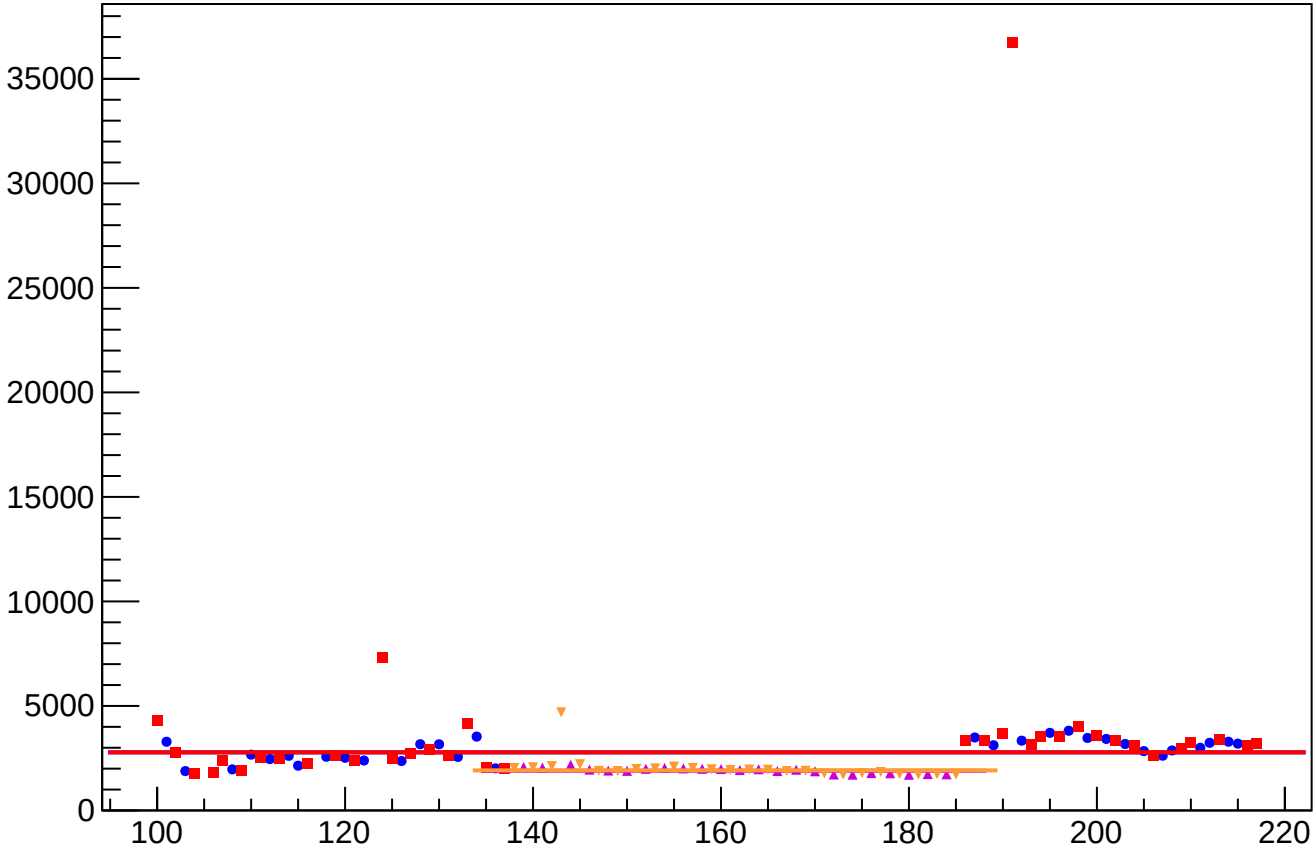
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -505.163+/-363.593 χ^2/NDF: 76.6/55

All: -572.256+/-257.376 χ^2/NDF: 120.0/114

- sign -639.639+/-364.377 χ^2/NDF: 43.3/58

asym_at2_dd_rms vs Slug



Right In: 2777.097+/-0.457 χ^2/NDF: 1458152.1/30

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2783.412+/-0.450 χ^2/NDF: 2116958.2/35

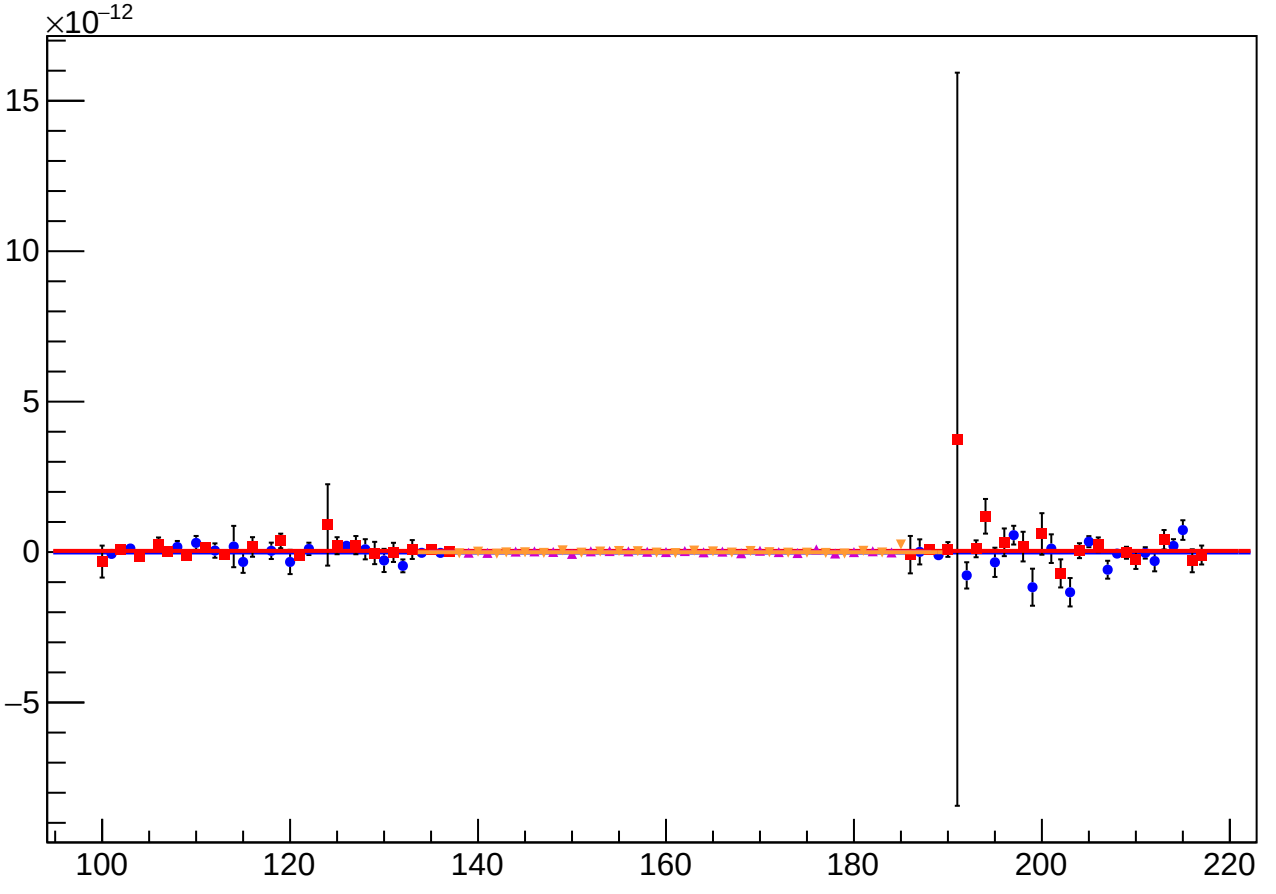
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2189.663+/-0.257 χ^2/NDF: 4636310.3/55

All: 2189.563+/-0.182 χ^2/NDF: 9523228.9/11

- sign 2189.463+/-0.258 χ^2/NDF: 4886918.3/58

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 48.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

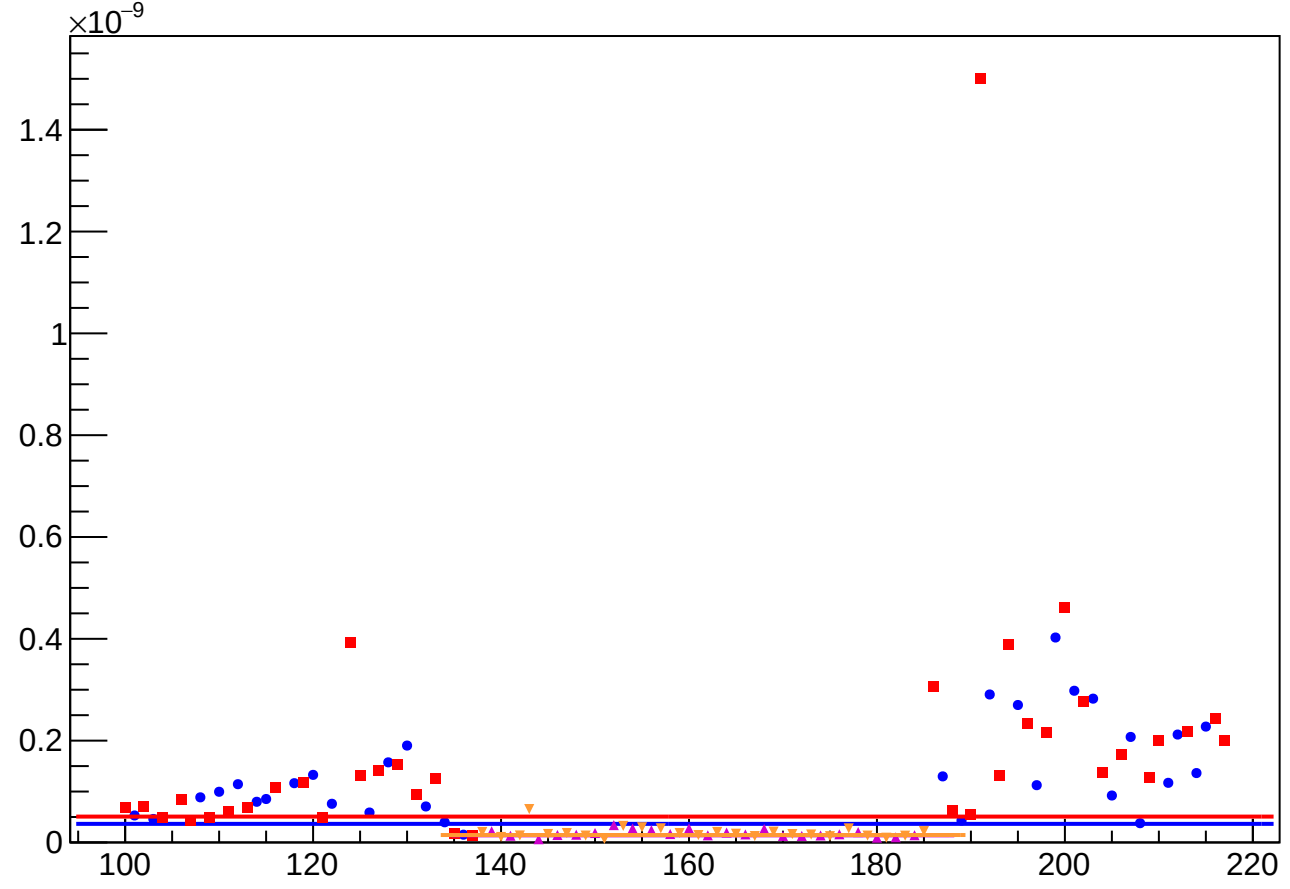
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/35

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.8/55

All: 0.000+/-0.000 χ^2/NDF: 134.2/114

- sign 0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9102204.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8910254.6/35

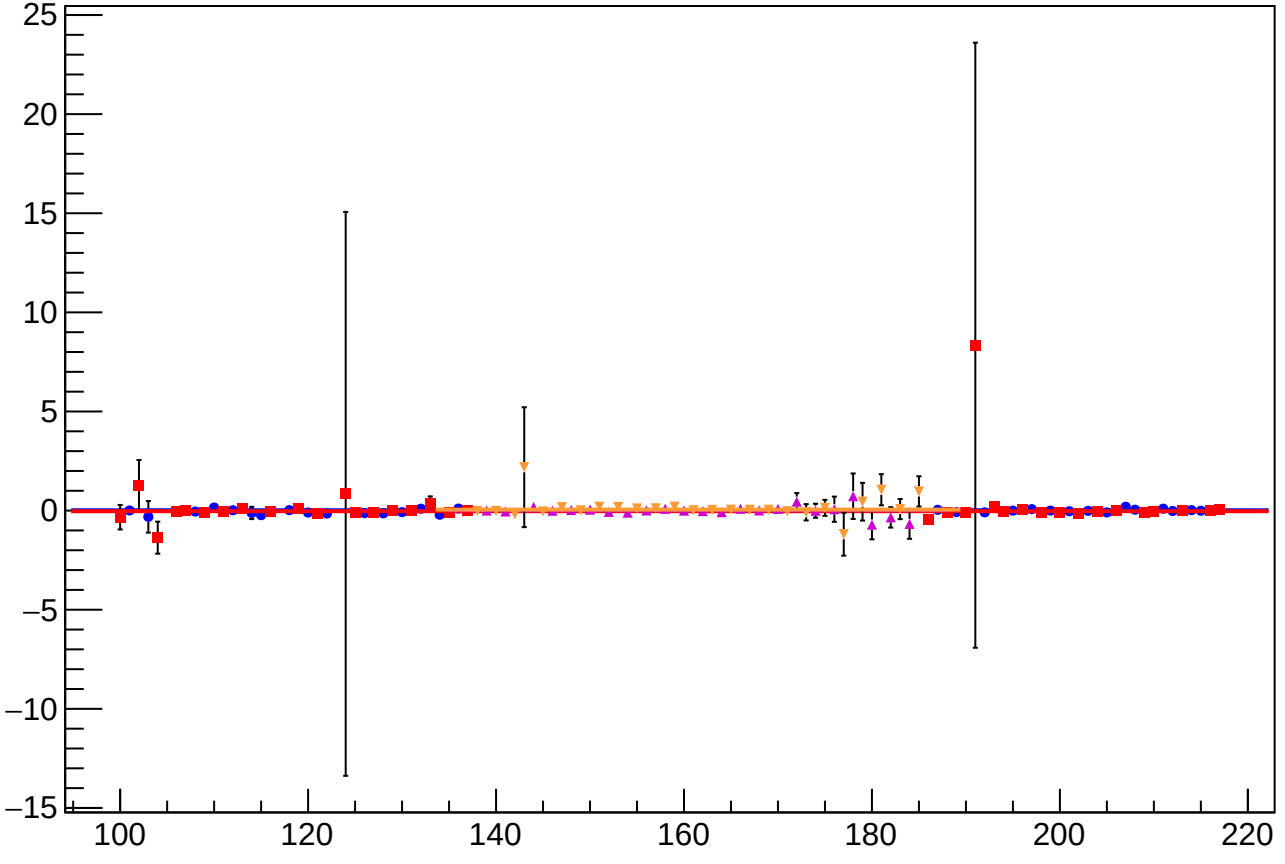
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 13039222.3/55

All: 0.000+/-0.000 χ^2/NDF: 27742346.5/114

- sign 0.000+/-0.000 χ^2/NDF: 14696475.1/58

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

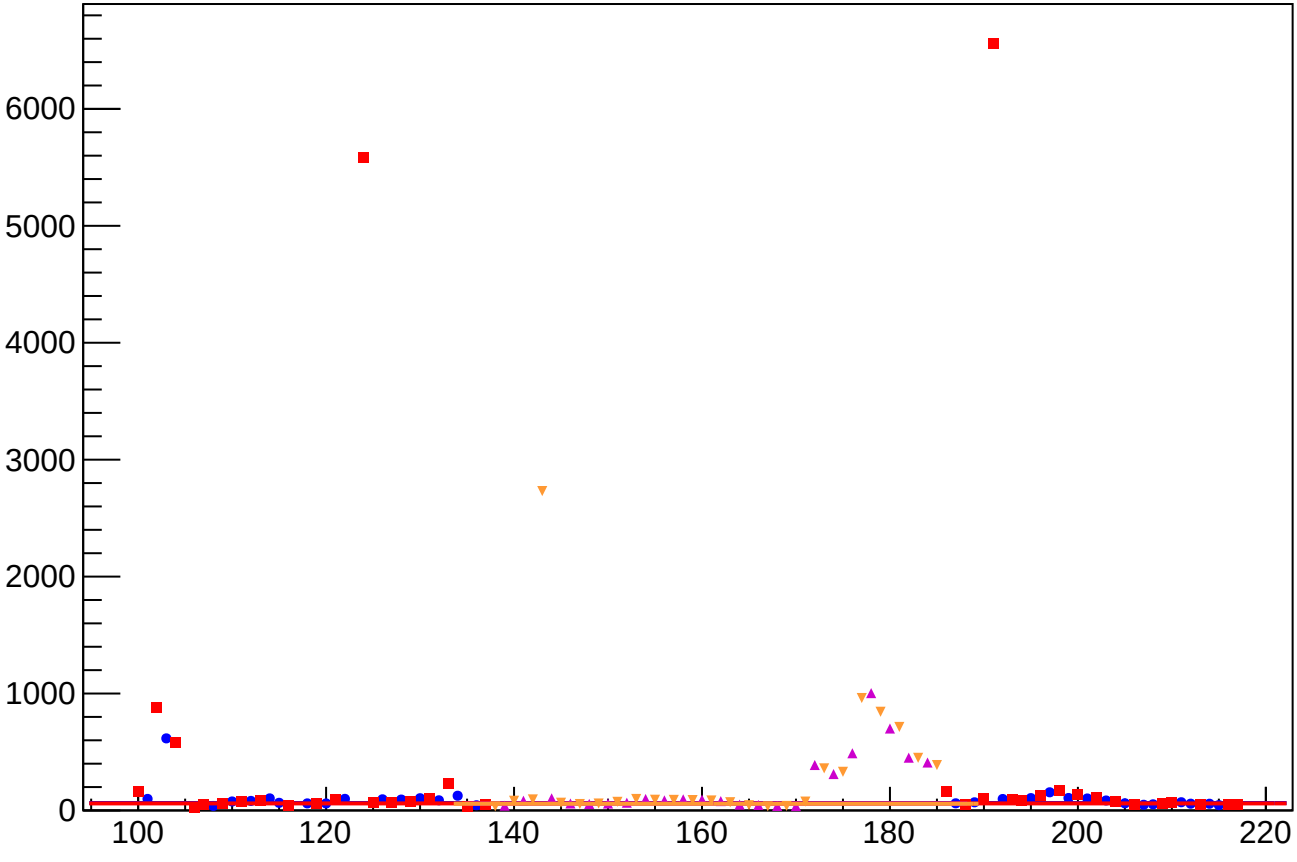
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/55

All: 0.012+/-0.008 χ^2/NDF: 110.0/114

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 63.672+/-0.012 χ^2/NDF: 4553916.0/30

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

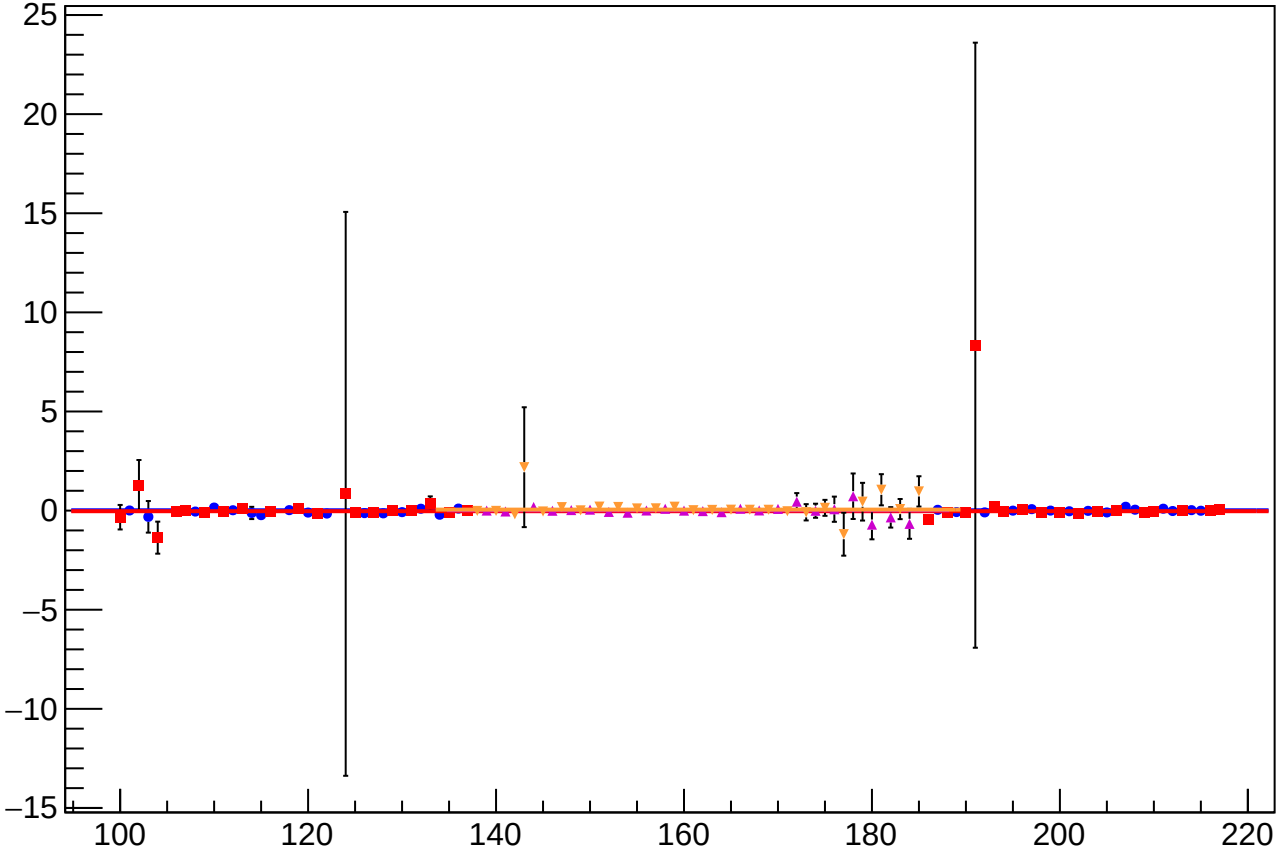
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.608+/-0.008 χ^2/NDF: 17024048.4/55

All: 60.031+/-0.006 χ^2/NDF: 34696417.1/114

- sign 59.475+/-0.008 χ^2/NDF: 17662928.1/58

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

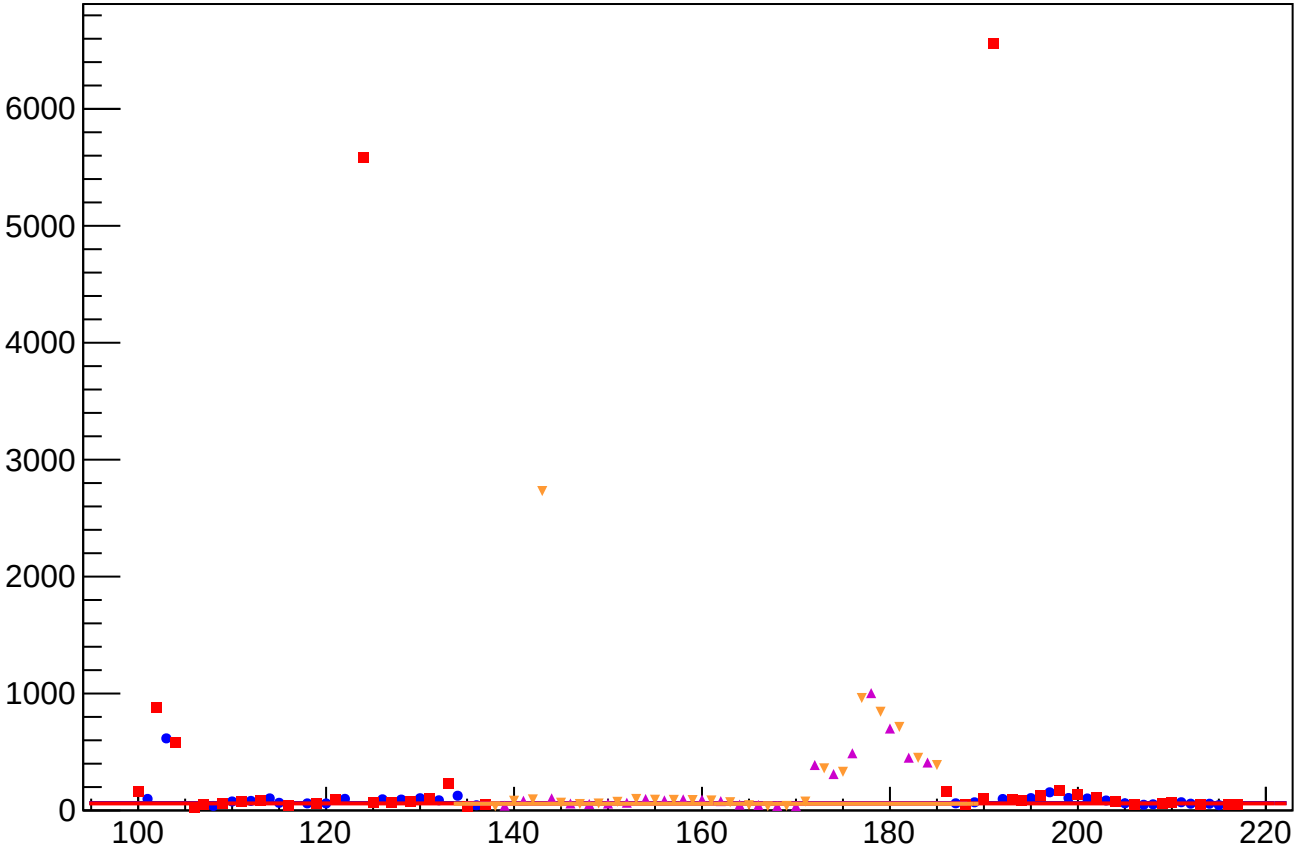
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/55

All: 0.012+/-0.008 χ^2/NDF: 110.0/114

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 63.672+/-0.012 χ^2/NDF: 4553916.0/30

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

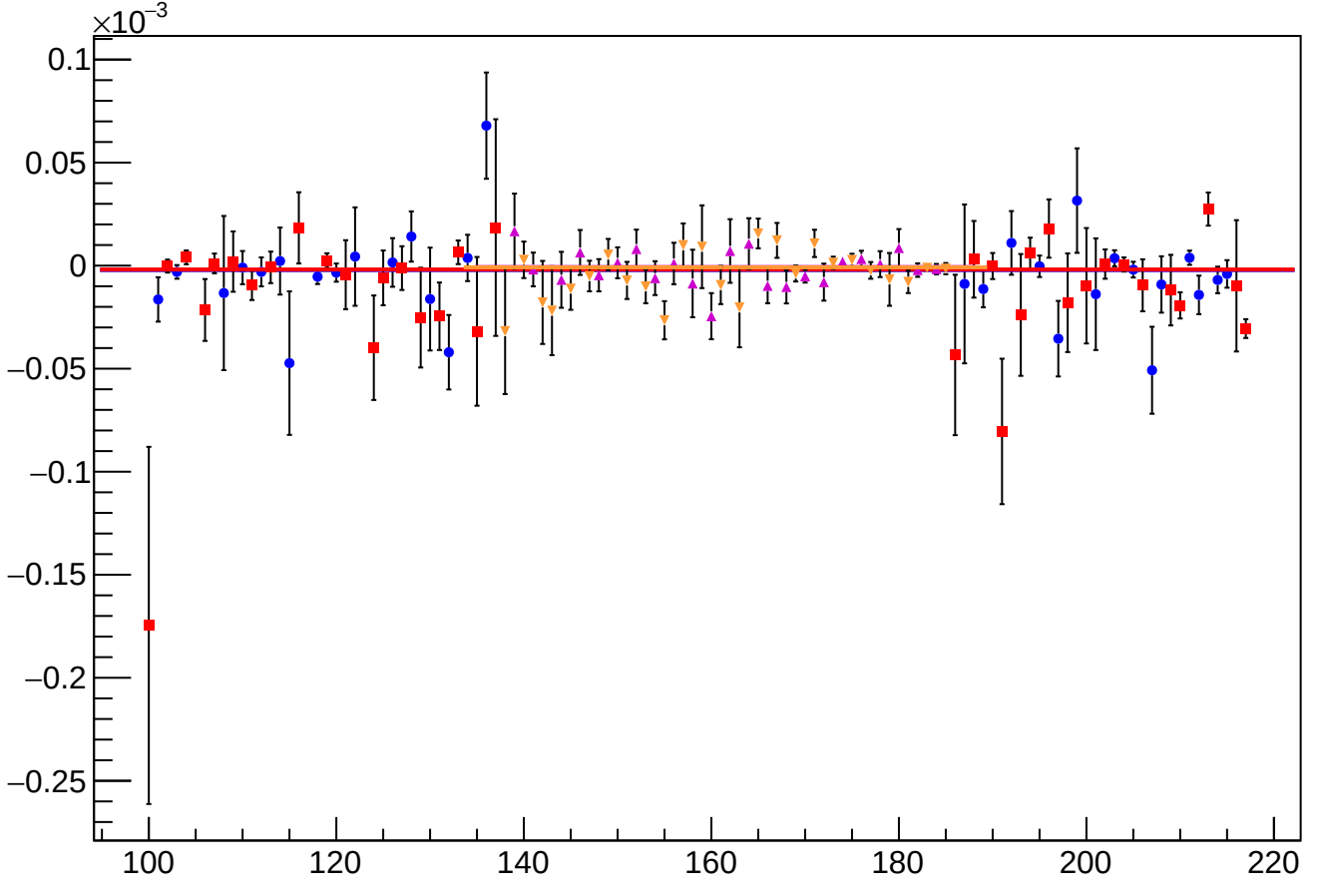
Right Out: 60.222+/-0.011 χ^2/NDF: 7405258.9/35

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 60.608+/-0.008 χ^2/NDF: 17024048.4/55

All: 60.031+/-0.006 χ^2/NDF: 34696417.1/114

- sign 59.475+/-0.008 χ^2/NDF: 17662928.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.7/35

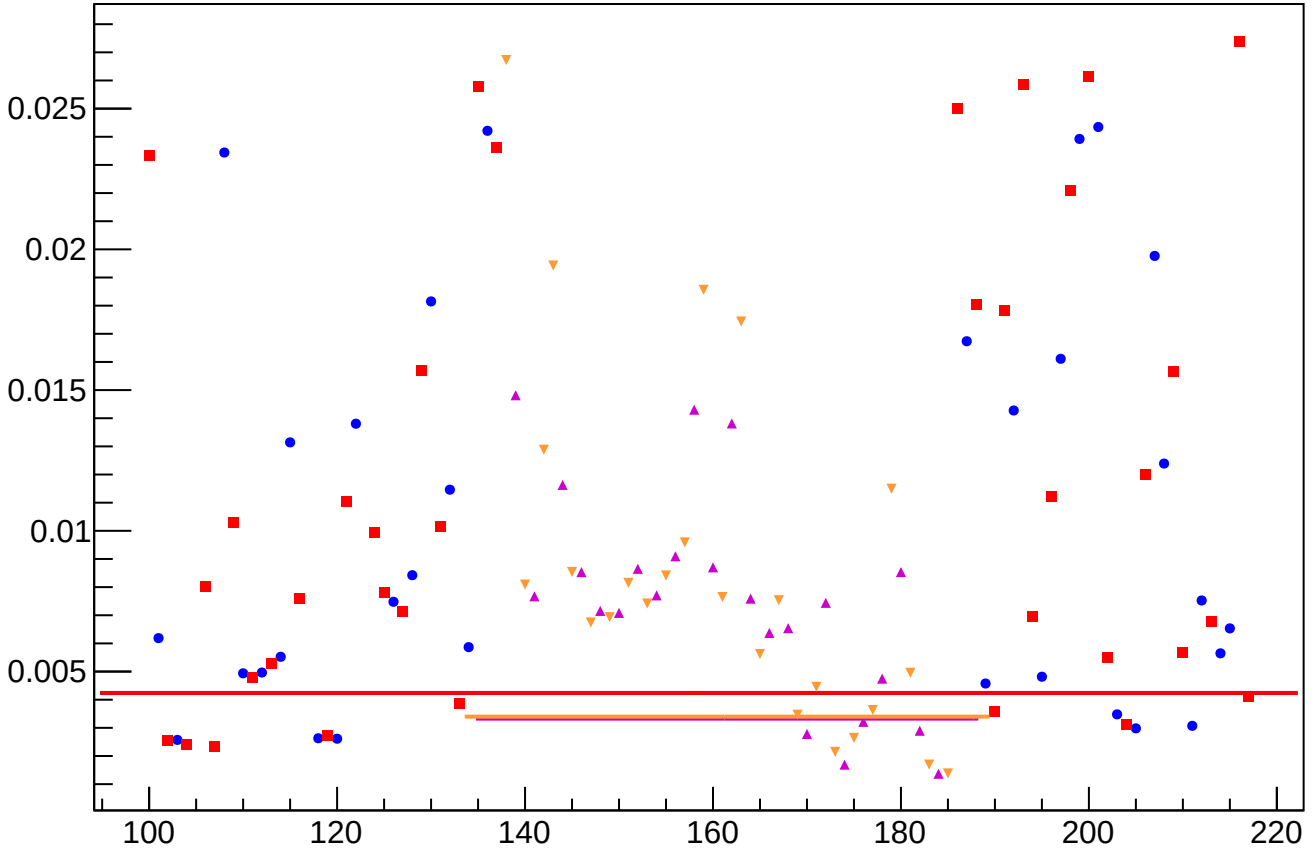
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.1/55

All: -0.000+/-0.000 χ^2/NDF: 186.2/114

- sign -0.000+/-0.000 χ^2/NDF: 113.0/58

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 11965910.6/30

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

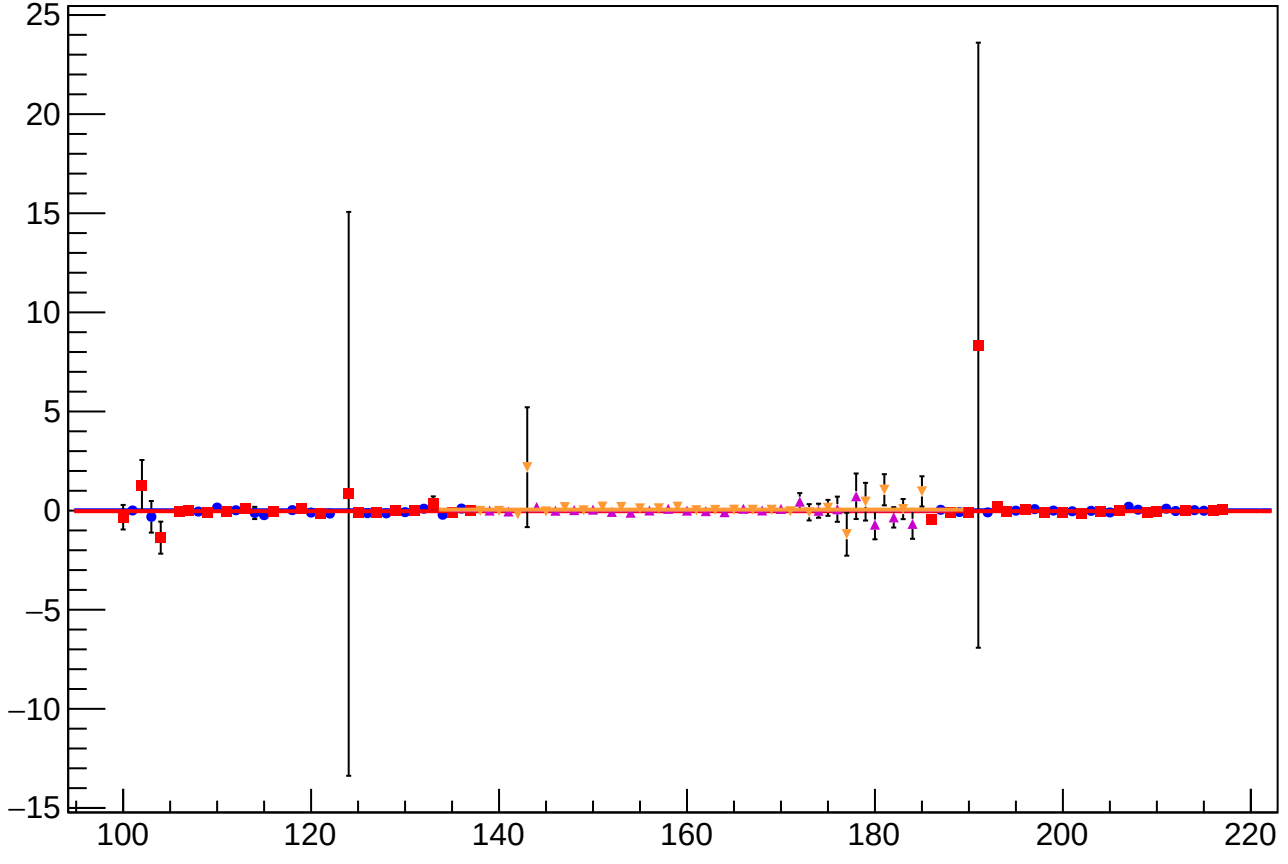
Right Out: 0.004+/-0.000 χ^2/NDF: 14410135.4/35

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 26757037.6/55

All: 0.004+/-0.000 χ^2/NDF: 54383796.3/114

- sign 0.004+/-0.000 χ^2/NDF: 27626110.6/58



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

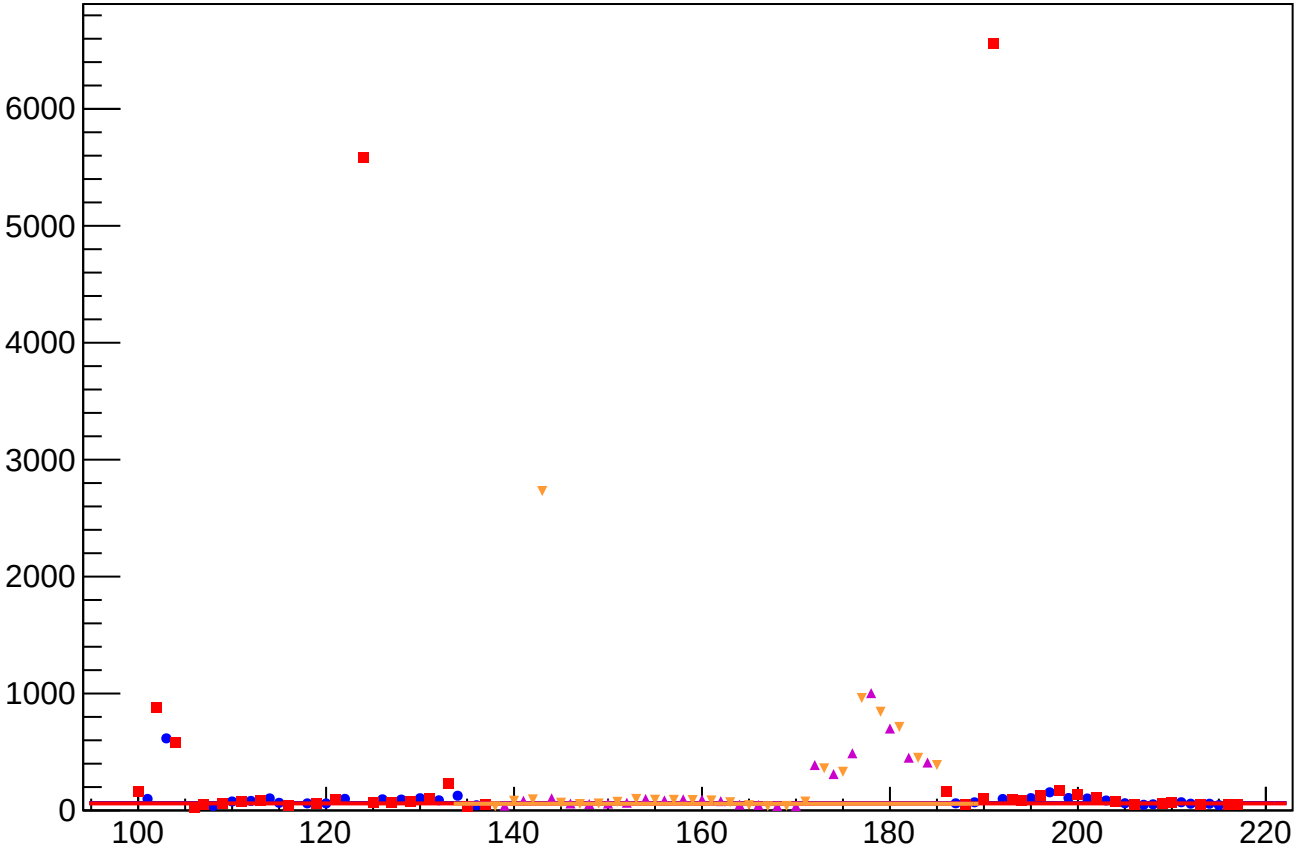
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/55

All: 0.012+/-0.008 χ^2/NDF: 110.1/114

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 63.674+/-0.012 χ^2/NDF: 4553099.4/30

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

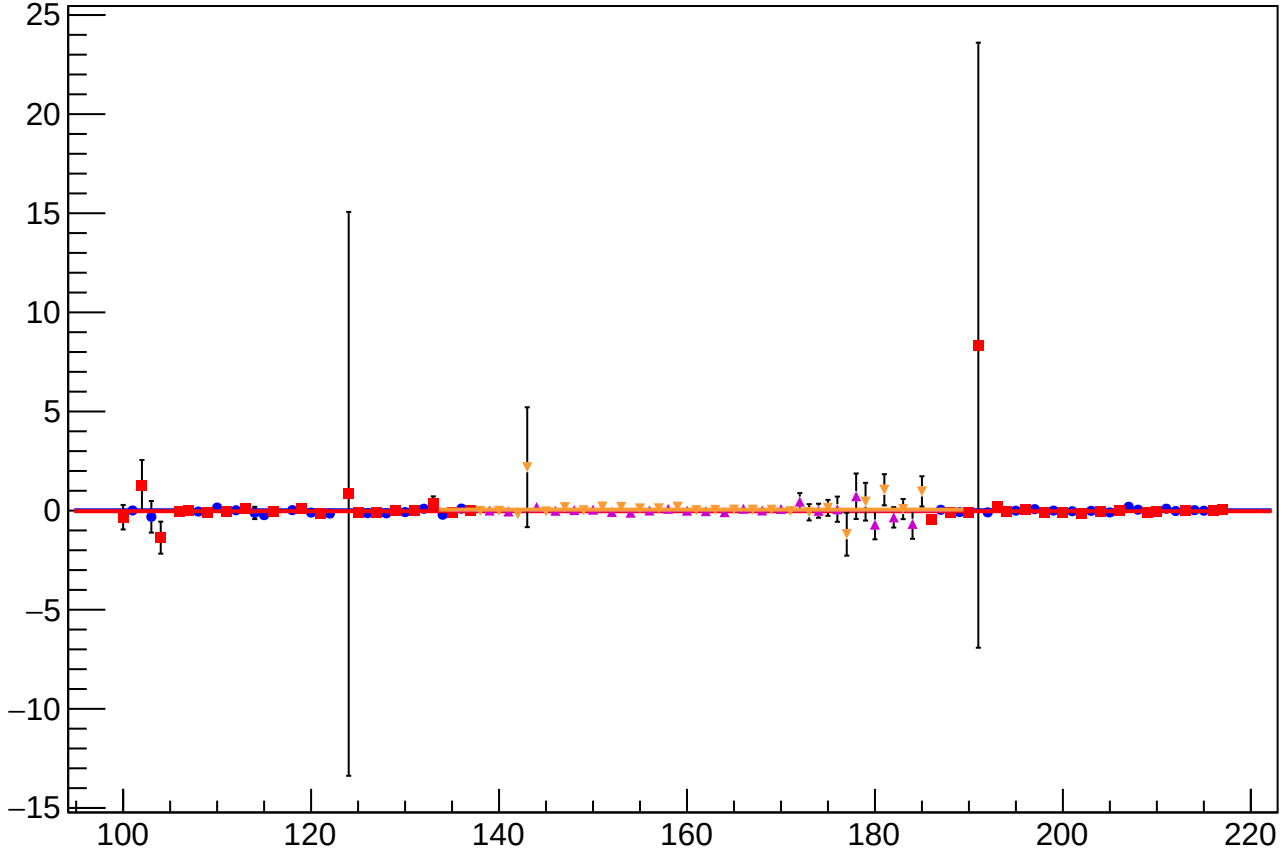
Right Out: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.608+/-0.008 χ^2/NDF: 17023133.4/55

All: 60.031+/-0.006 χ^2/NDF: 34695767.2/114

- sign 59.475+/-0.008 χ^2/NDF: 17663185.0/58



Right In: 0.016+/-0.016 χ^2/NDF: 30.6/30

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

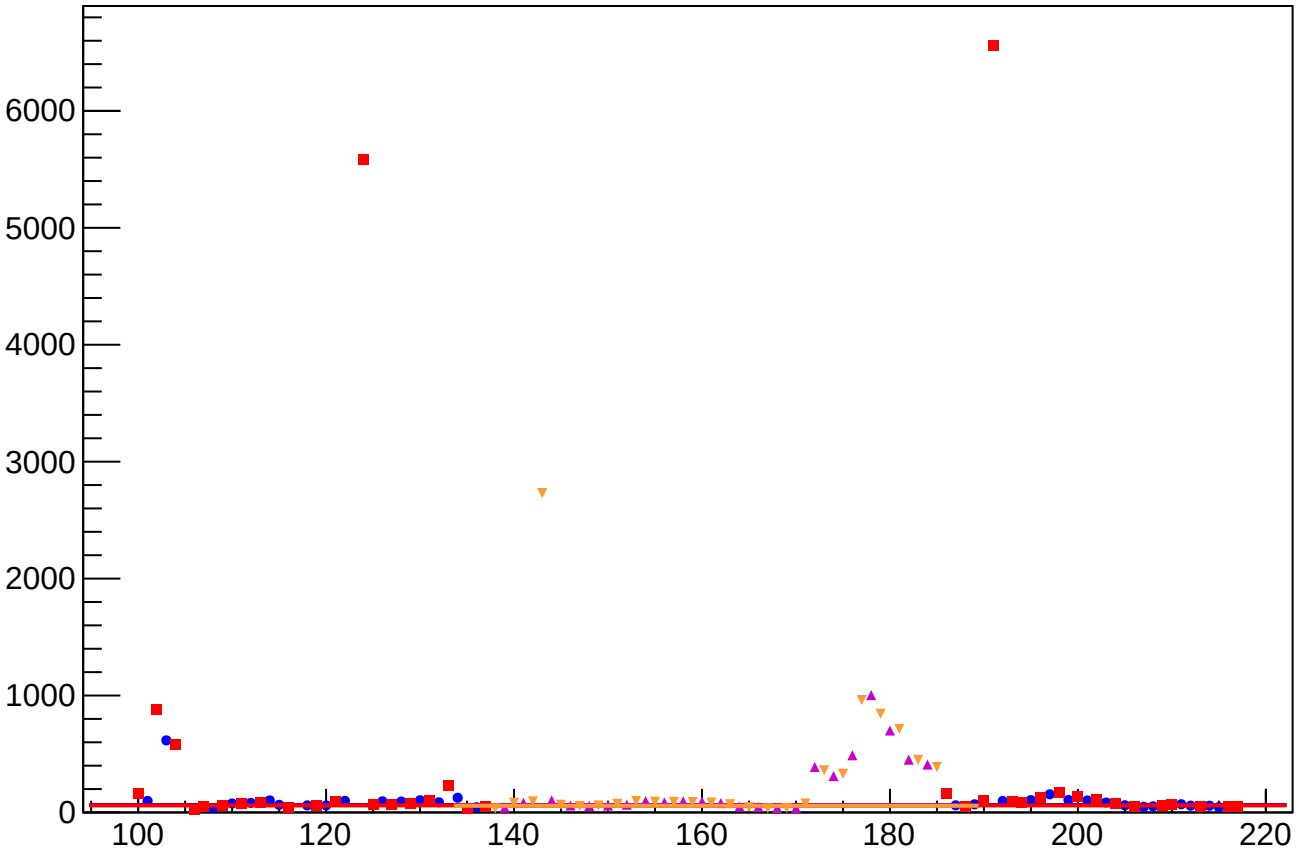
Right Out: -0.030+/-0.016 χ^2/NDF: 27.2/35

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.012 χ^2/NDF: 57.1/55

All: 0.012+/-0.008 χ^2/NDF: 110.1/114

- sign -0.008+/-0.012 χ^2/NDF: 47.1/58



Right In: 63.674+/-0.012 χ^2/NDF: 4553099.4/30

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.220+/-0.011 χ^2/NDF: 7406074.8/35

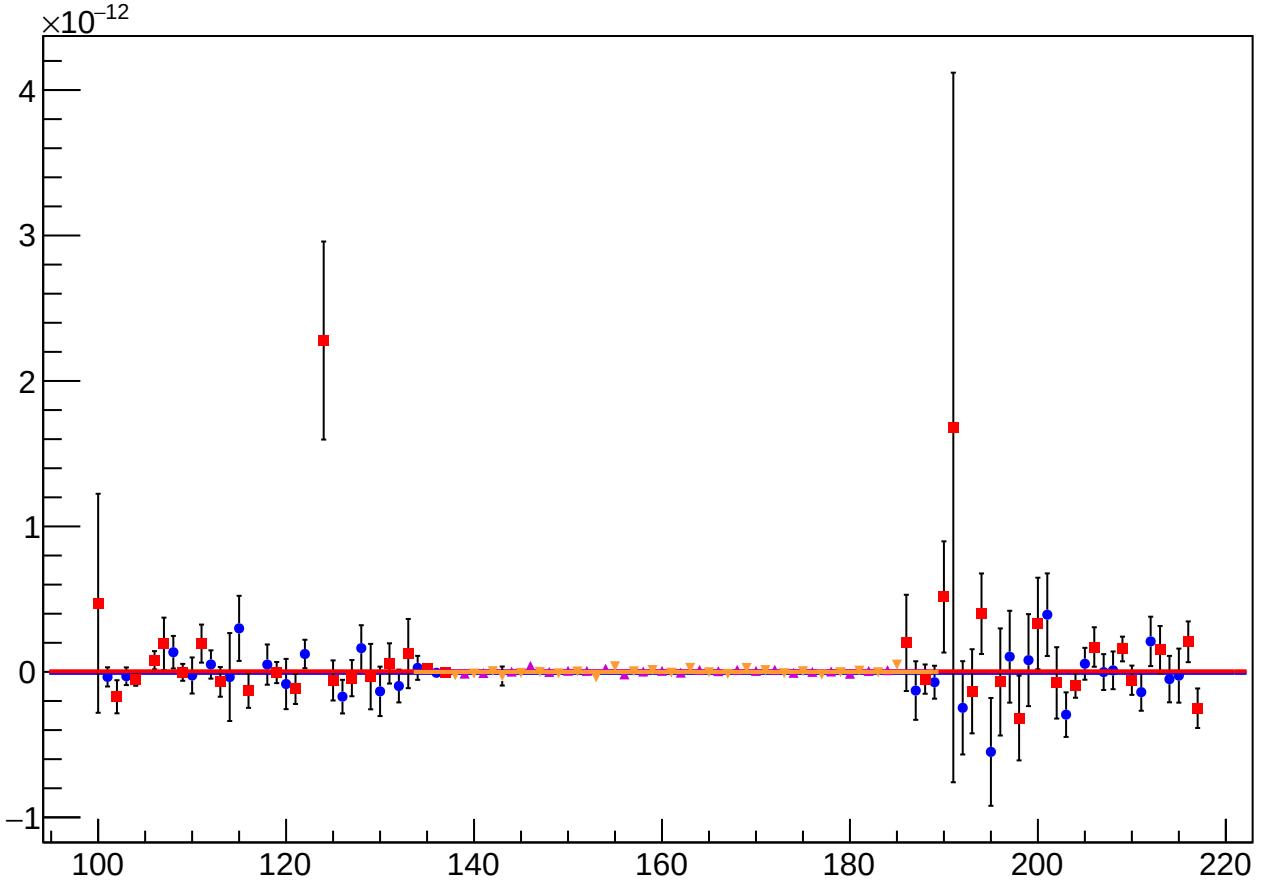
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 60.608+/-0.008 χ^2/NDF: 17023133.4/55

All: 60.031+/-0.006 χ^2/NDF: 34695767.2/114

- sign 59.475+/-0.008 χ^2/NDF: 17663185.0/58

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

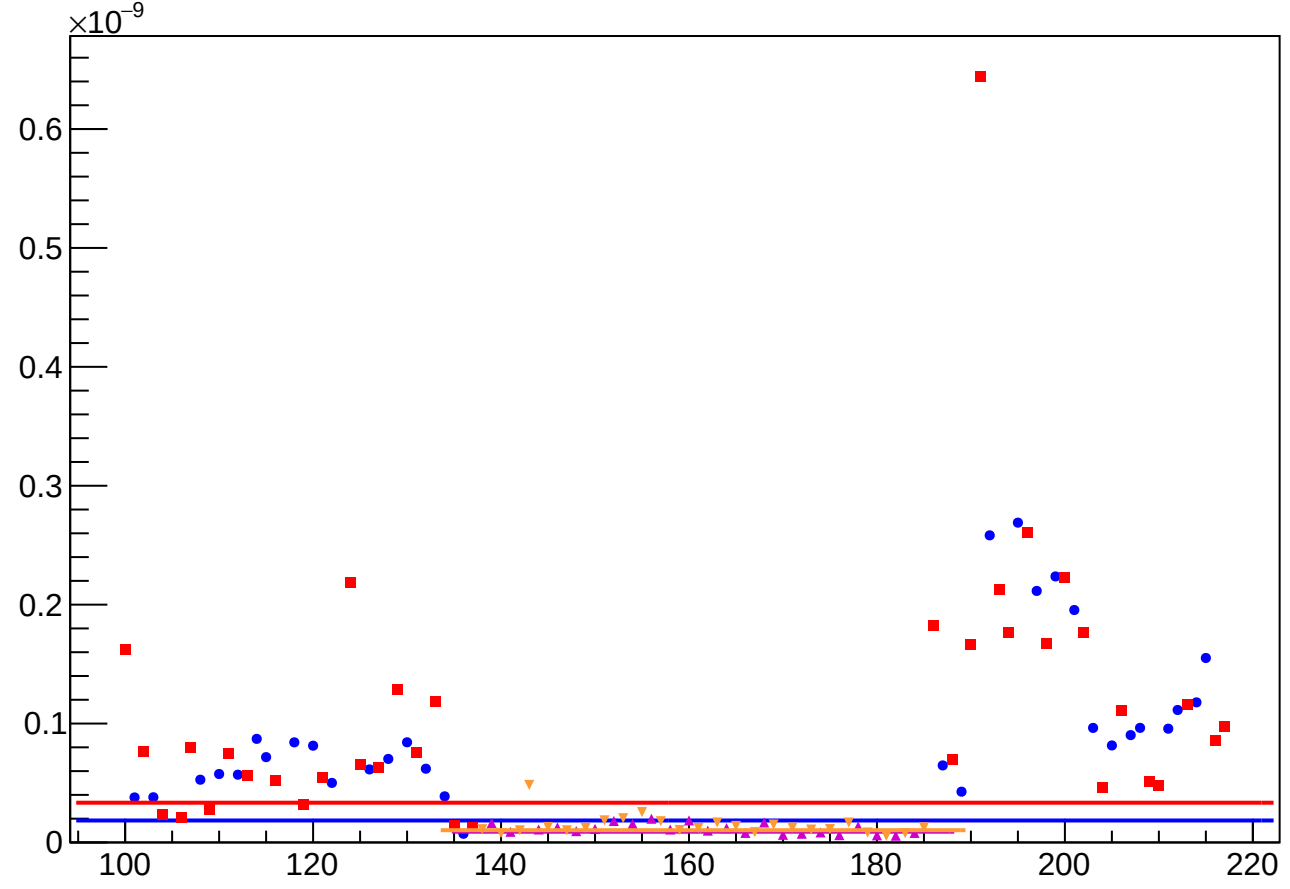
Right Out: 0.000+/-0.000 χ^2/NDF: 45.5/35

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/55

All: 0.000+/-0.000 χ^2/NDF: 104.2/114

- sign 0.000+/-0.000 χ^2/NDF: 61.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 15820560.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11191002.8/35

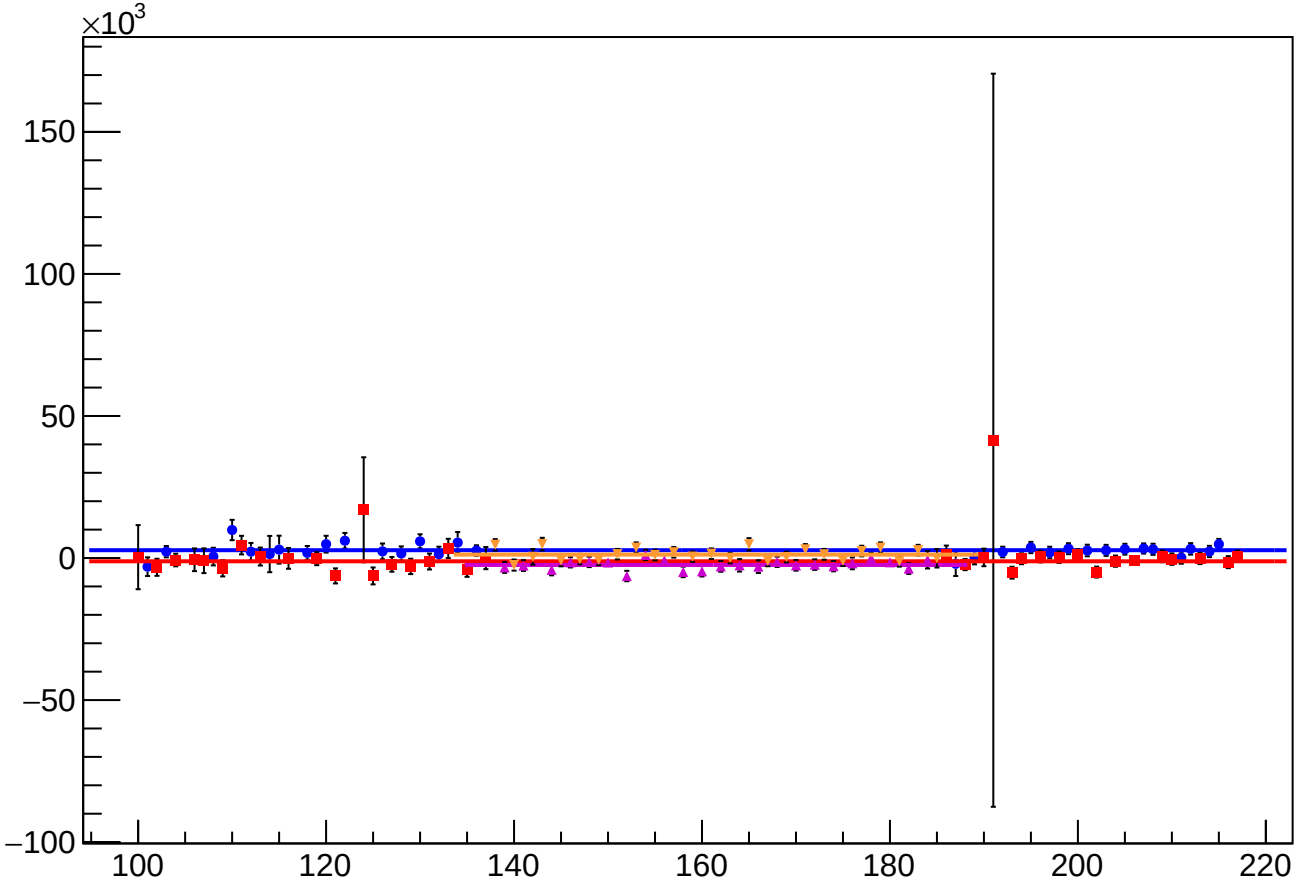
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20690562.3/55

All: 0.000+/-0.000 χ^2/NDF: 40956589.2/114

- sign 0.000+/-0.000 χ^2/NDF: 20143580.7/58

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2753.540+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1149.123+/-413.980 χ^2/NDF: 30.1/35

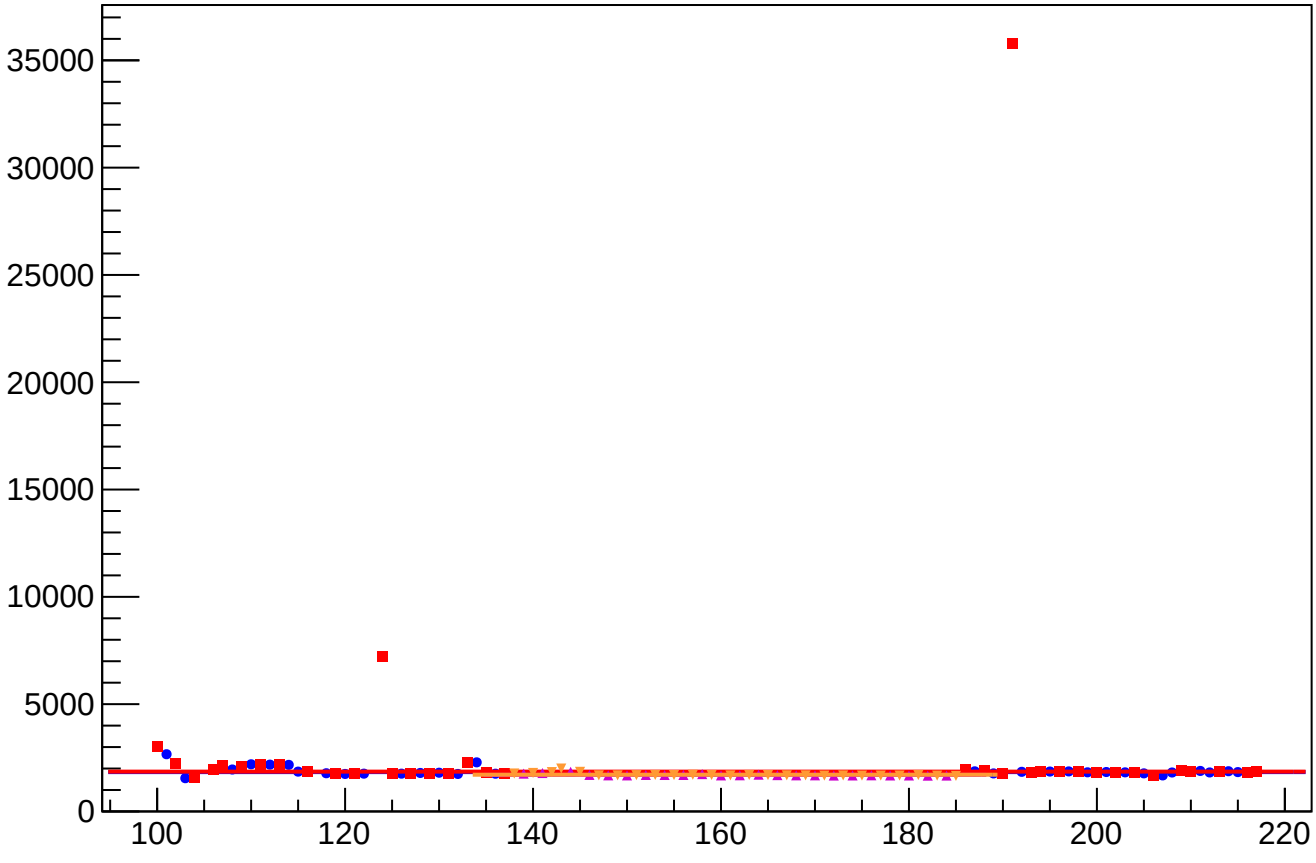
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1921.134+/-285.065 χ^2/NDF: 52.2/55

All: 62.819+/-202.217 χ^2/NDF: 190.4/114

- sign -1819.491+/-286.900 χ^2/NDF: 52.7/58

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.8/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.052+/-0.292 χ^2/NDF: 543998.3/35

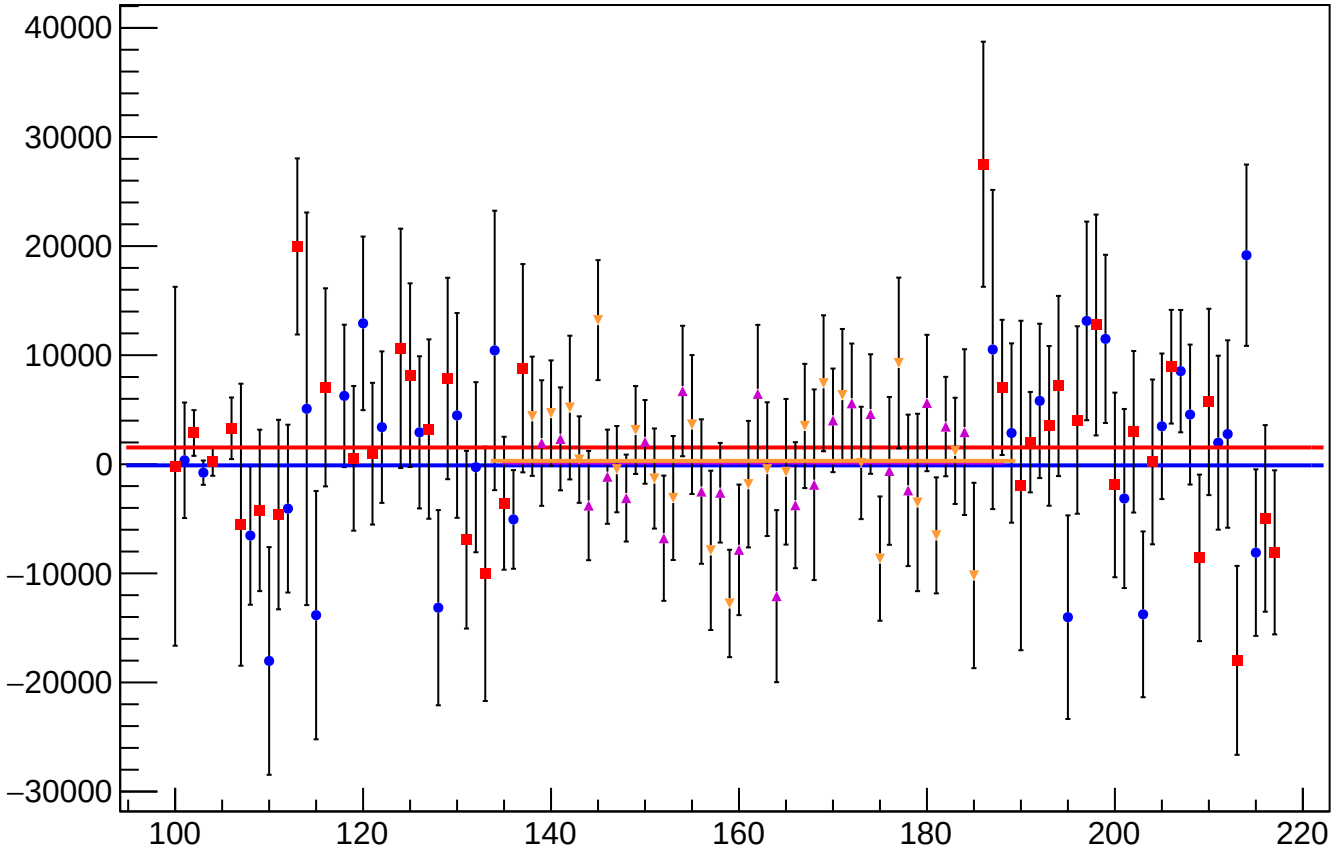
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1768.043+/-0.202 χ^2/NDF: 437226.2/55

All: 1772.531+/-0.143 χ^2/NDF: 1145187.1/11

- sign 1777.073+/-0.203 χ^2/NDF: 706963.5/58

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -100.088+/-867.127 χ^2/NDF: 35.6/30

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1539.660+/-817.515 χ^2/NDF: 33.6/35

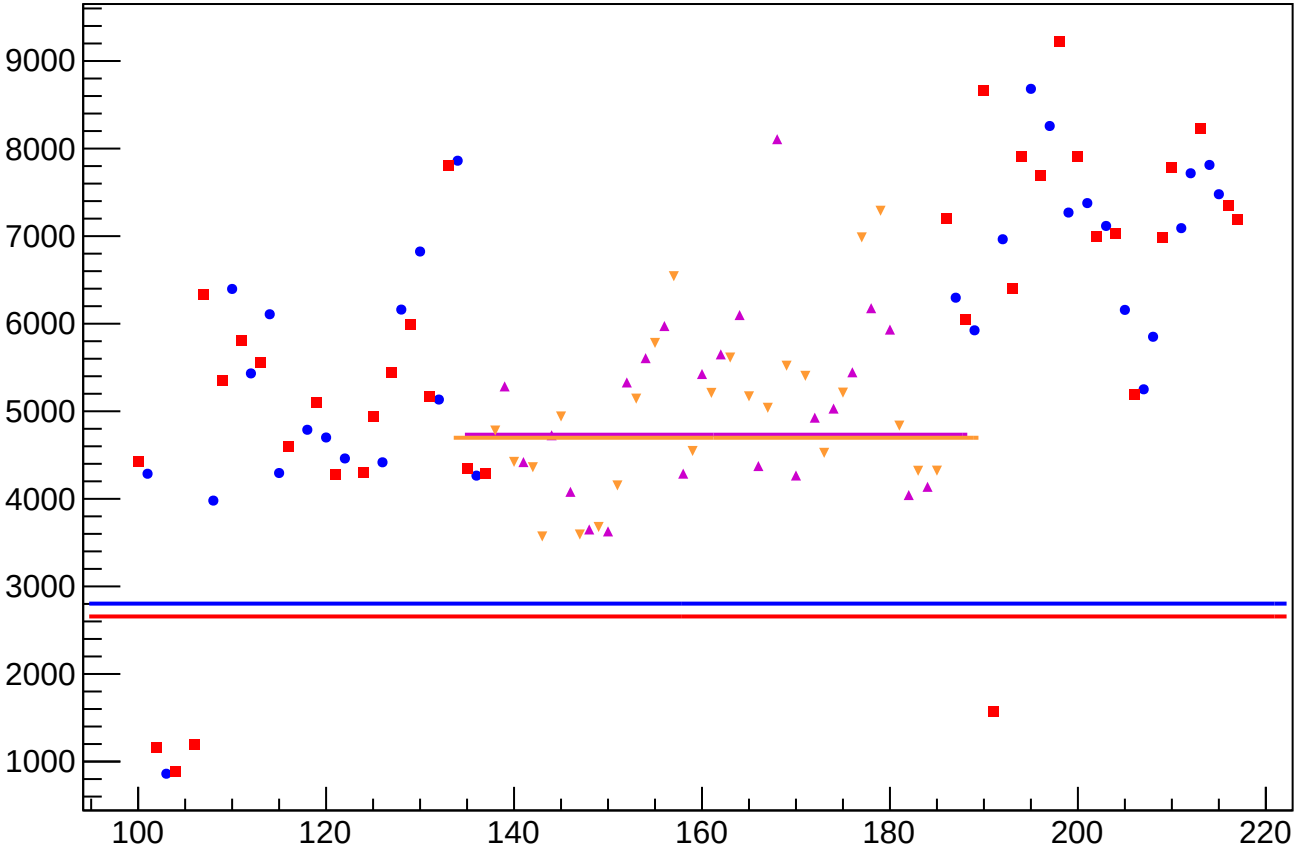
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign 60.068+/-679.066 χ^2/NDF: 62.8/55

All: 574.823+/-474.037 χ^2/NDF: 113.2/114

- sign 1064.086+/-662.038 χ^2/NDF: 49.3/58

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2803.471+/-0.613 χ^2/NDF: 17332738.5/30

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2656.751+/-0.578 χ^2/NDF: 18666993.3/35

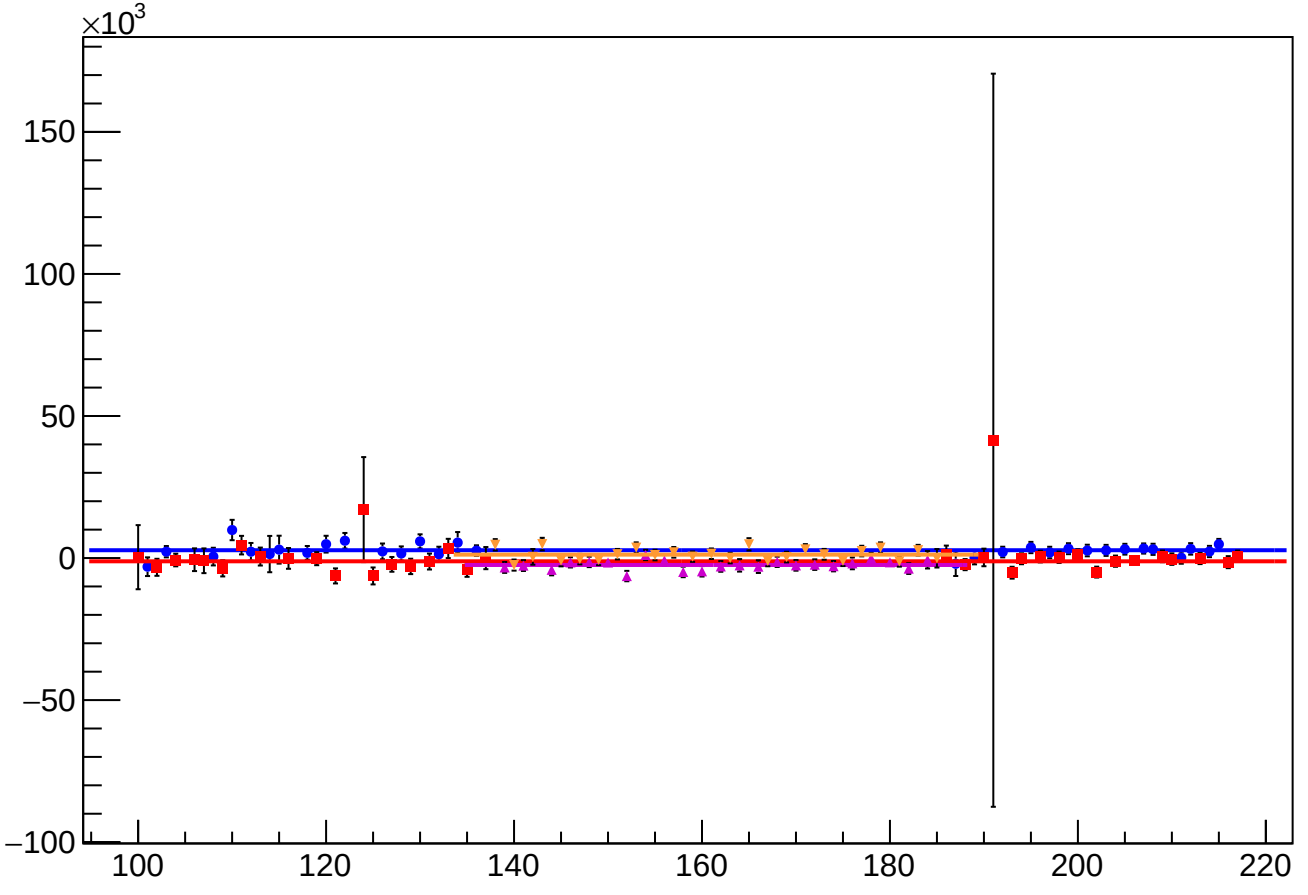
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3535.979+/-0.480 χ^2/NDF: 22262662.5/55

All: 3451.492+/-0.335 χ^2/NDF: 46670579.4/1

- sign 3371.190+/-0.468 χ^2/NDF: 24347532.7/58

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2753.654+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.686+/-413.980 χ^2/NDF: 30.1/35

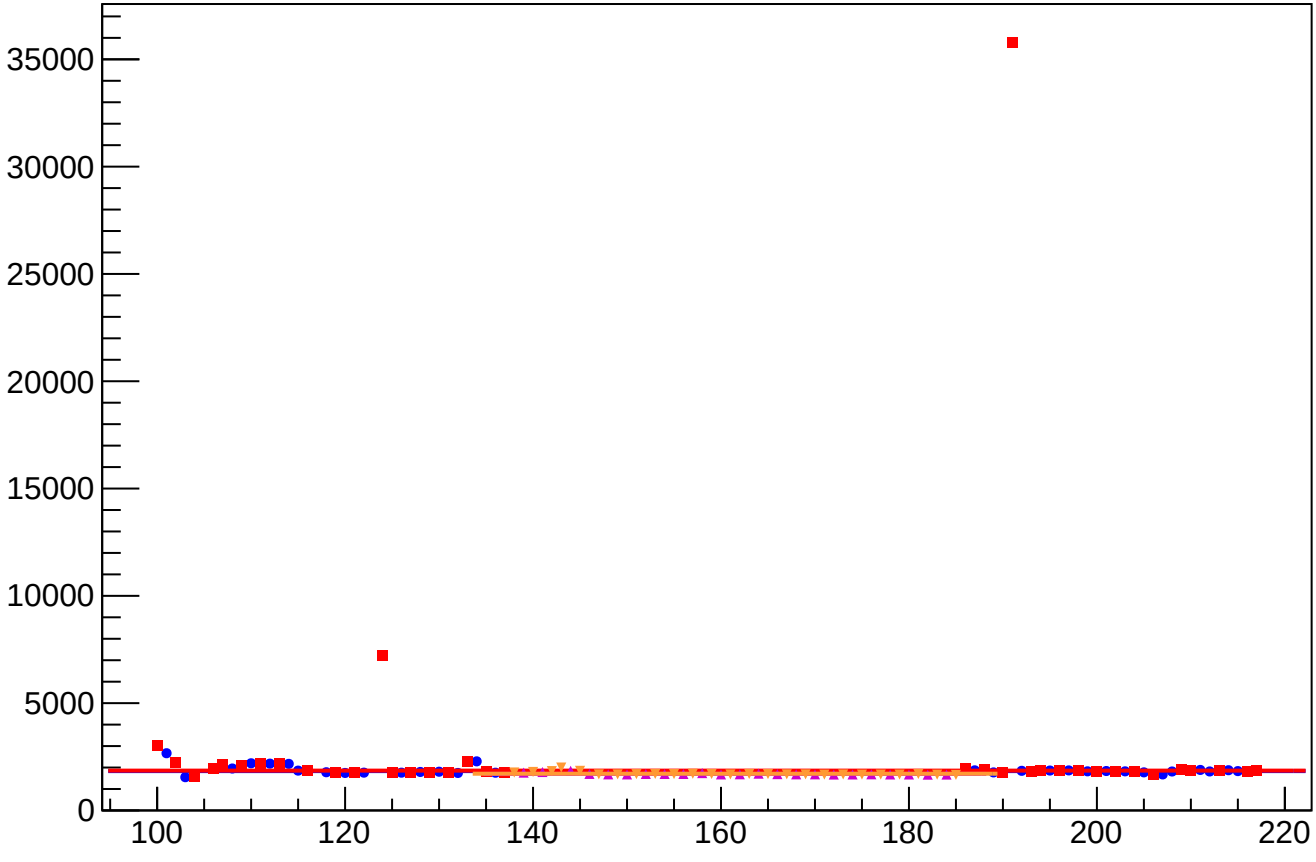
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1921.134+/-285.065 χ^2/NDF: 52.2/55

All: 62.941+/-202.217 χ^2/NDF: 190.4/114

- sign -1819.246+/-286.900 χ^2/NDF: 52.7/58

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

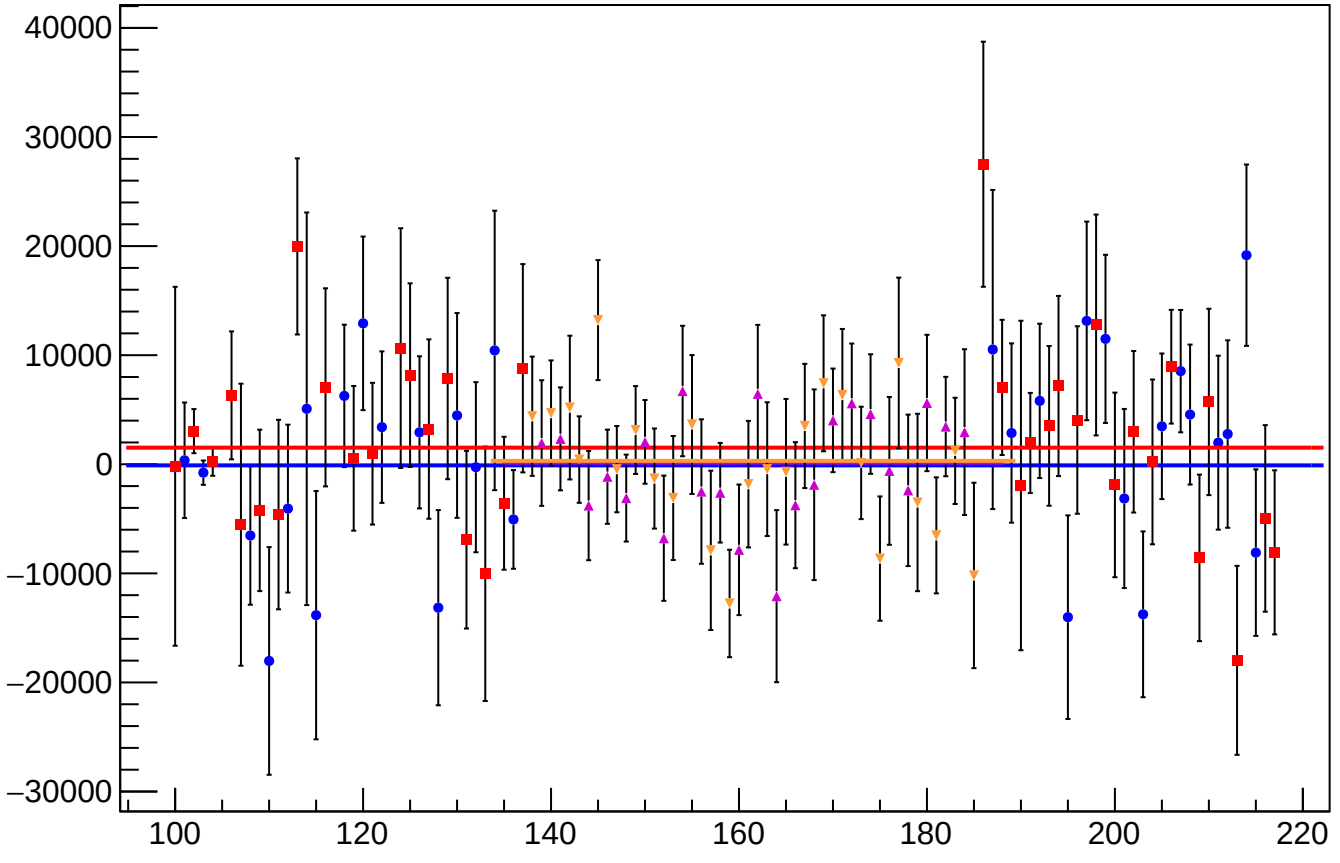
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1768.043+/-0.202 χ^2/NDF: 437226.1/55

All: 1772.564+/-0.143 χ^2/NDF: 1145841.7/11

- sign 1777.141+/-0.203 χ^2/NDF: 707603.4/58

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -99.747+/-867.088 χ^2/NDF: 35.6/30

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1523.562+/-840.120 χ^2/NDF: 34.1/35

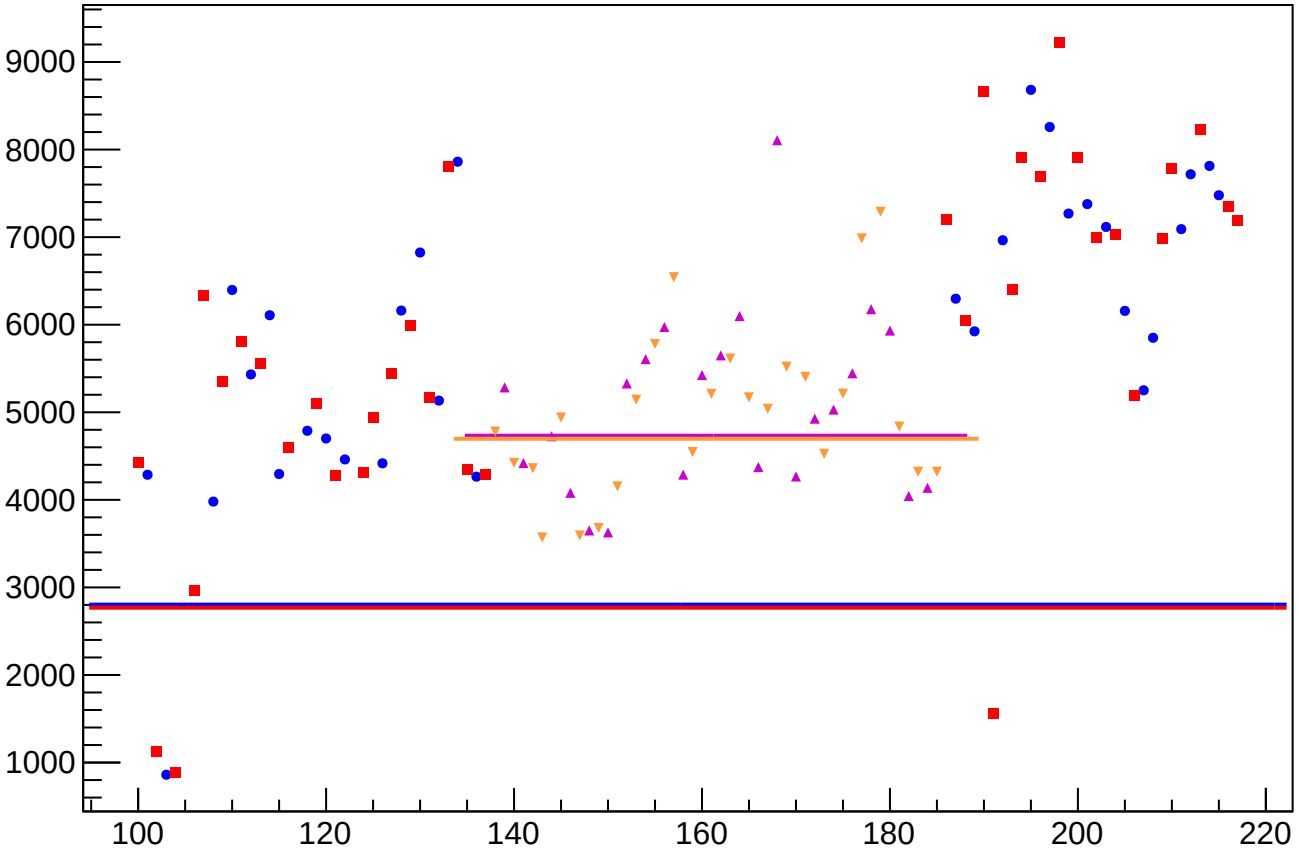
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 60.281+/-679.047 χ^2/NDF: 62.7/55

All: 552.163+/-478.319 χ^2/NDF: 113.5/114

- sign 1036.578+/-673.873 χ^2/NDF: 49.7/58

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2803.263+/-0.613 χ^2/NDF: 17333981.7/30

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

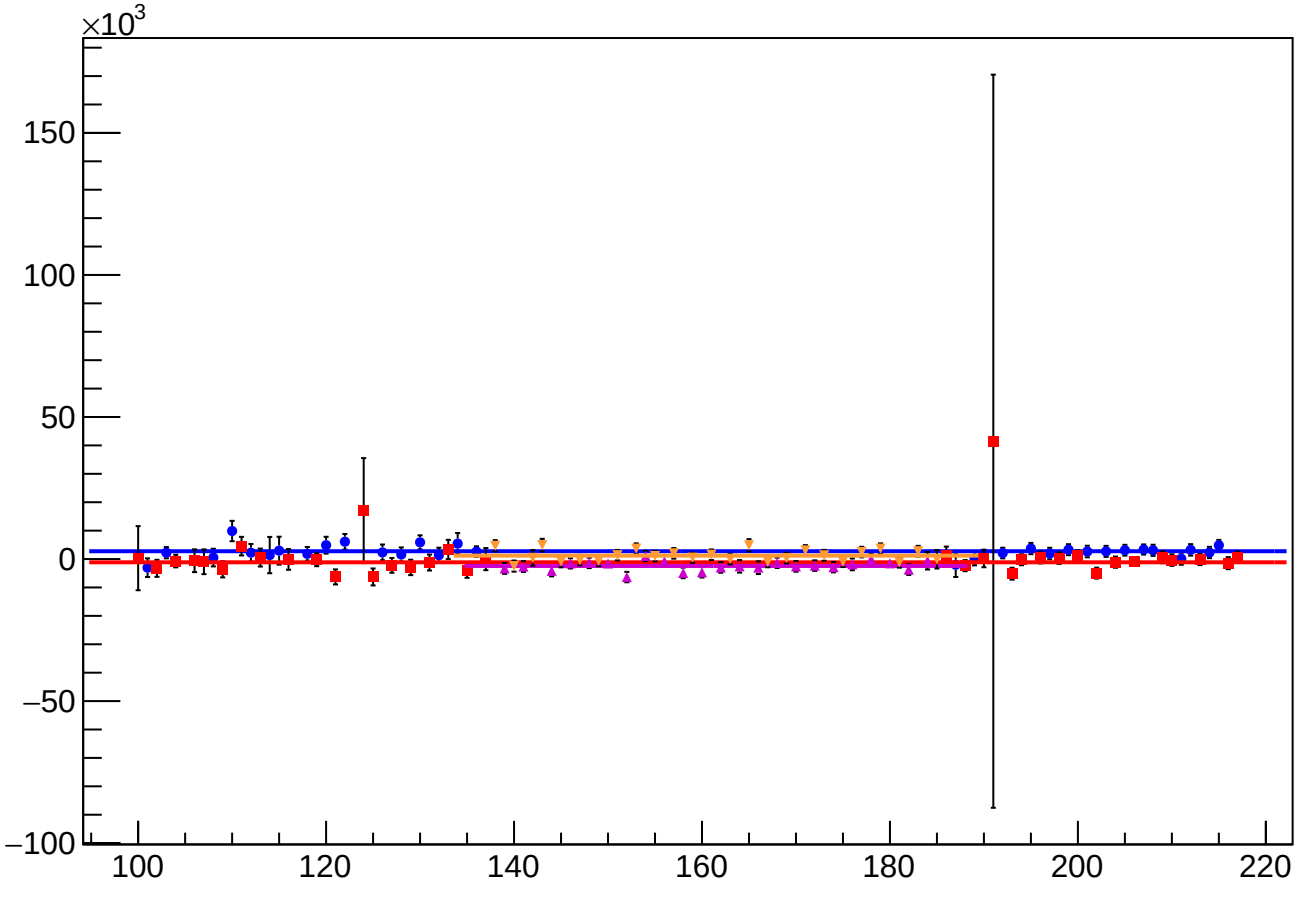
Right Out: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3535.809+/-0.480 χ^2/NDF: 22264848.4/55

All: 3502.008+/-0.338 χ^2/NDF: 45647666.6/1

- sign 3468.720+/-0.476 χ^2/NDF: 23372982.3/58



Right In: 2753.654+/-418.780 χ^2/NDF: 18.5/30

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1148.686+/-413.980 χ^2/NDF: 30.1/35

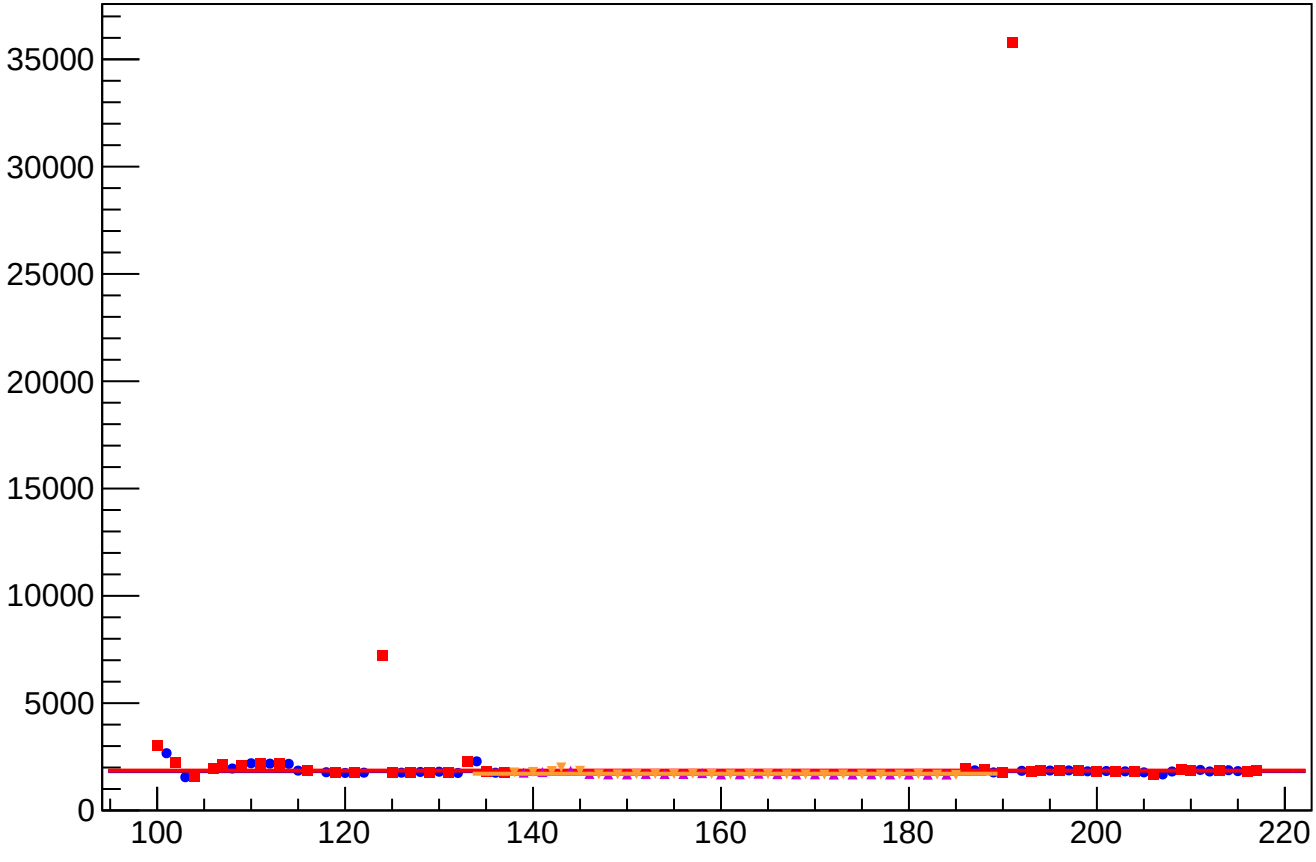
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1921.134+/-285.065 χ^2/NDF: 52.2/55

All: 62.941+/-202.217 χ^2/NDF: 190.4/114

- sign -1819.246+/-286.900 χ^2/NDF: 52.7/58

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.209+/-0.296 χ^2/NDF: 286914.7/30

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

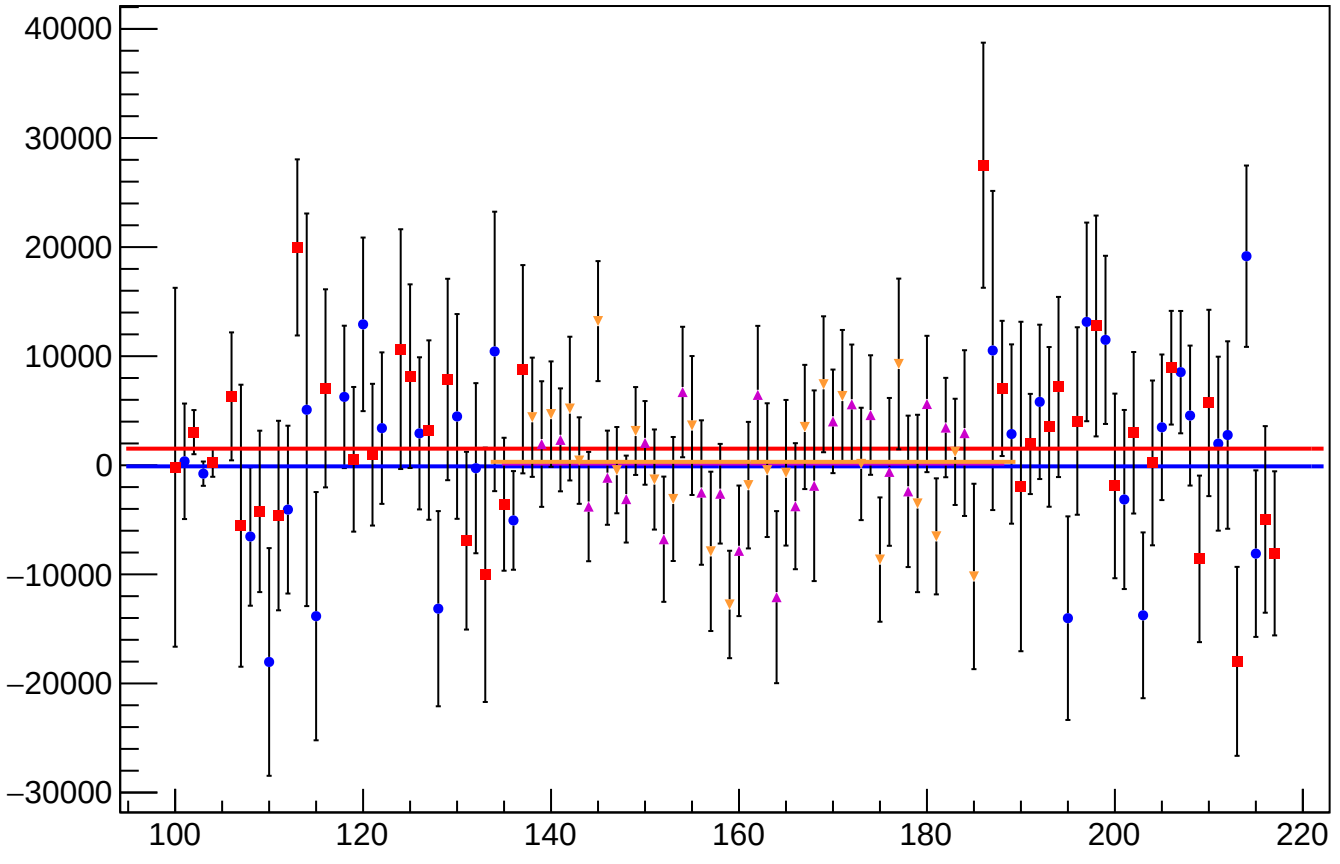
Right Out: 1856.204+/-0.293 χ^2/NDF: 544368.7/35

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1768.043+/-0.202 χ^2/NDF: 437226.1/55

All: 1772.564+/-0.143 χ^2/NDF: 1145841.7/11

- sign 1777.141+/-0.203 χ^2/NDF: 707603.4/58



Right In: -99.747+/-867.088 χ^2/NDF: 35.6/30

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1523.562+/-840.120 χ^2/NDF: 34.1/35

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 60.281+/-679.047 χ^2/NDF: 62.7/55

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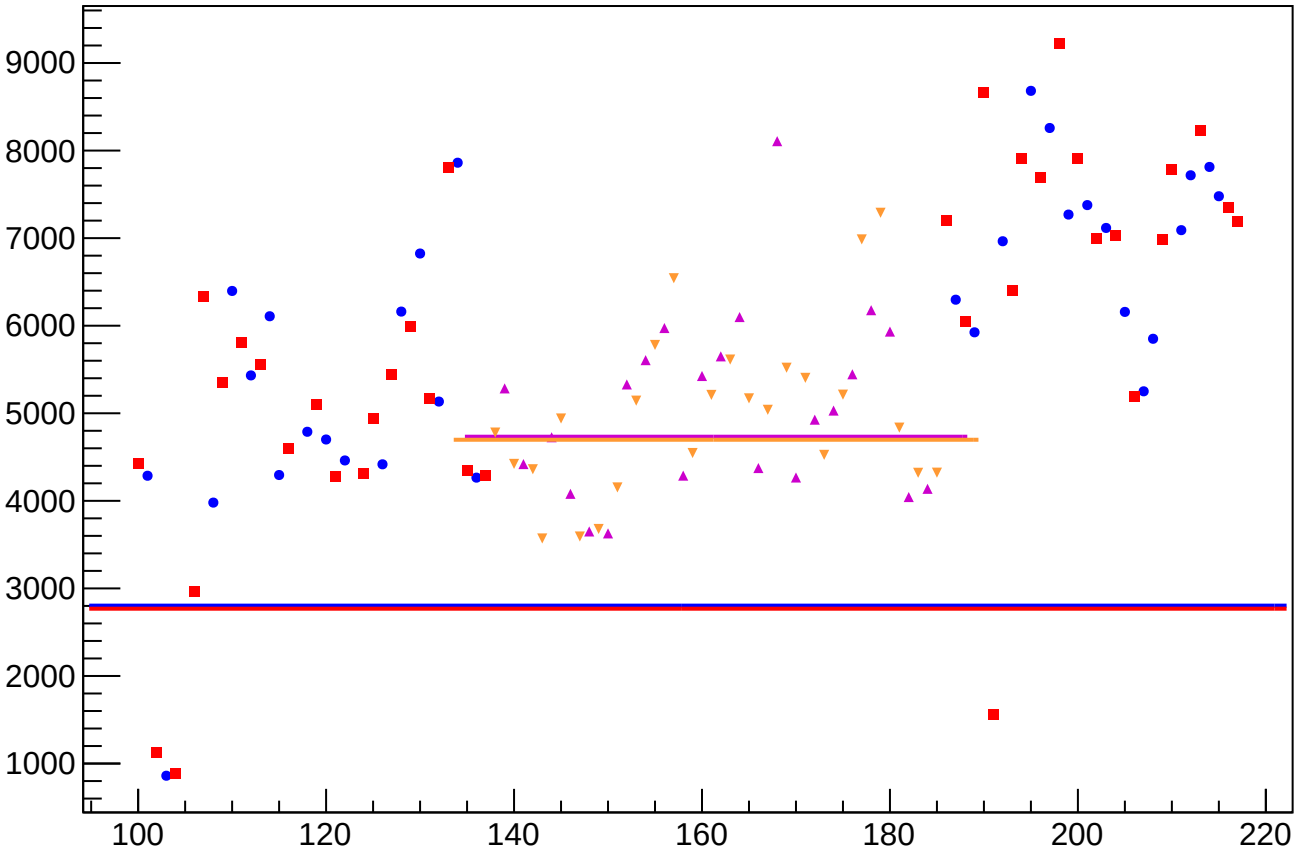


Right In: 2803.263+/-0.613 χ^2/NDF: 17333981.7/30

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2768.285+/-0.594 χ^2/NDF: 18231771.7/35

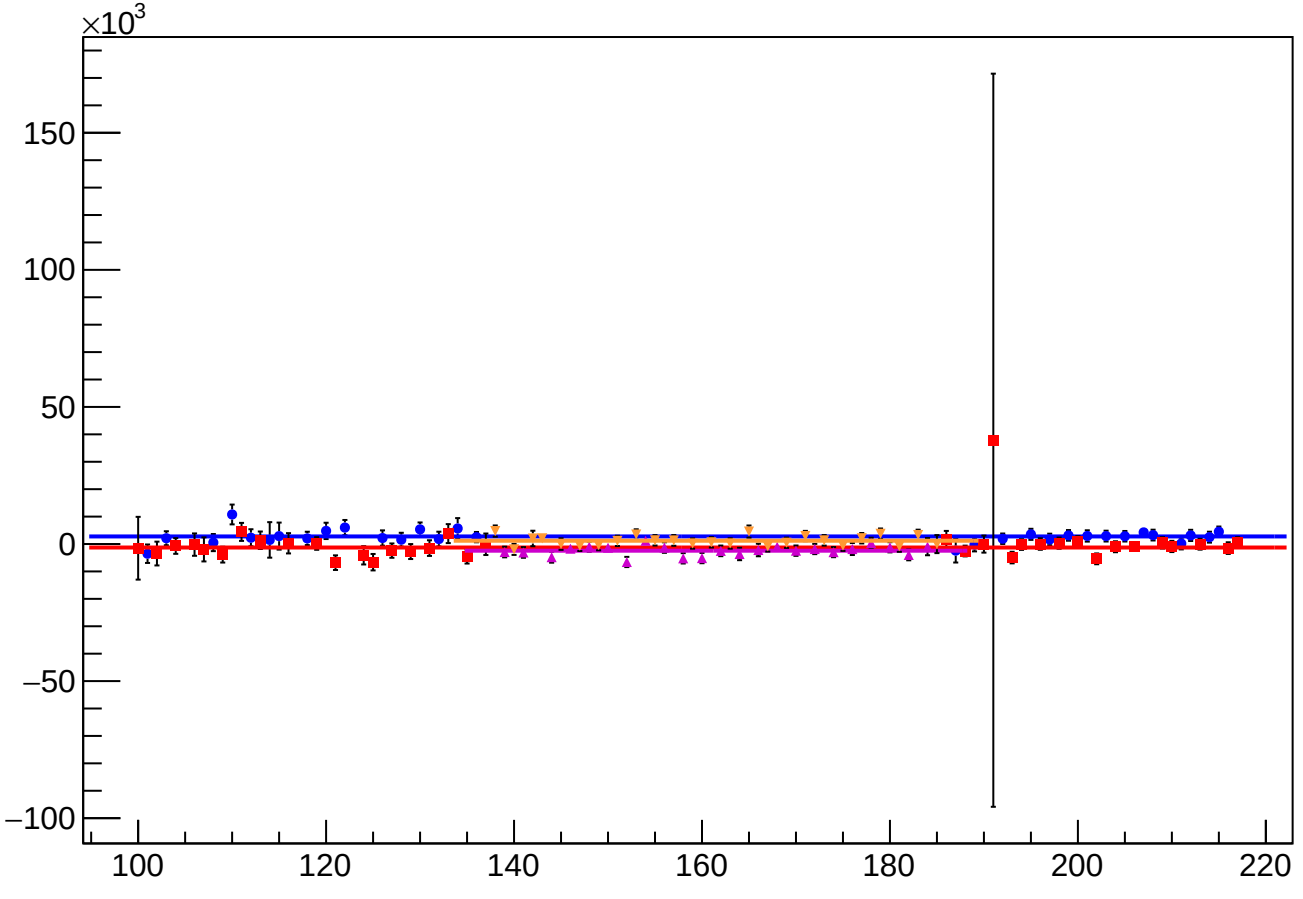
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3535.809+/-0.480 χ^2/NDF: 22264848.4/55

All: 3502.008+/-0.338 χ^2/NDF: 45647666.6/1

- sign 3468.720+/-0.476 χ^2/NDF: 23372982.3/58

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2762.925+/-426.971 χ^2/NDF: 19.7/30

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1278.170+/-420.404 χ^2/NDF: 31.7/35

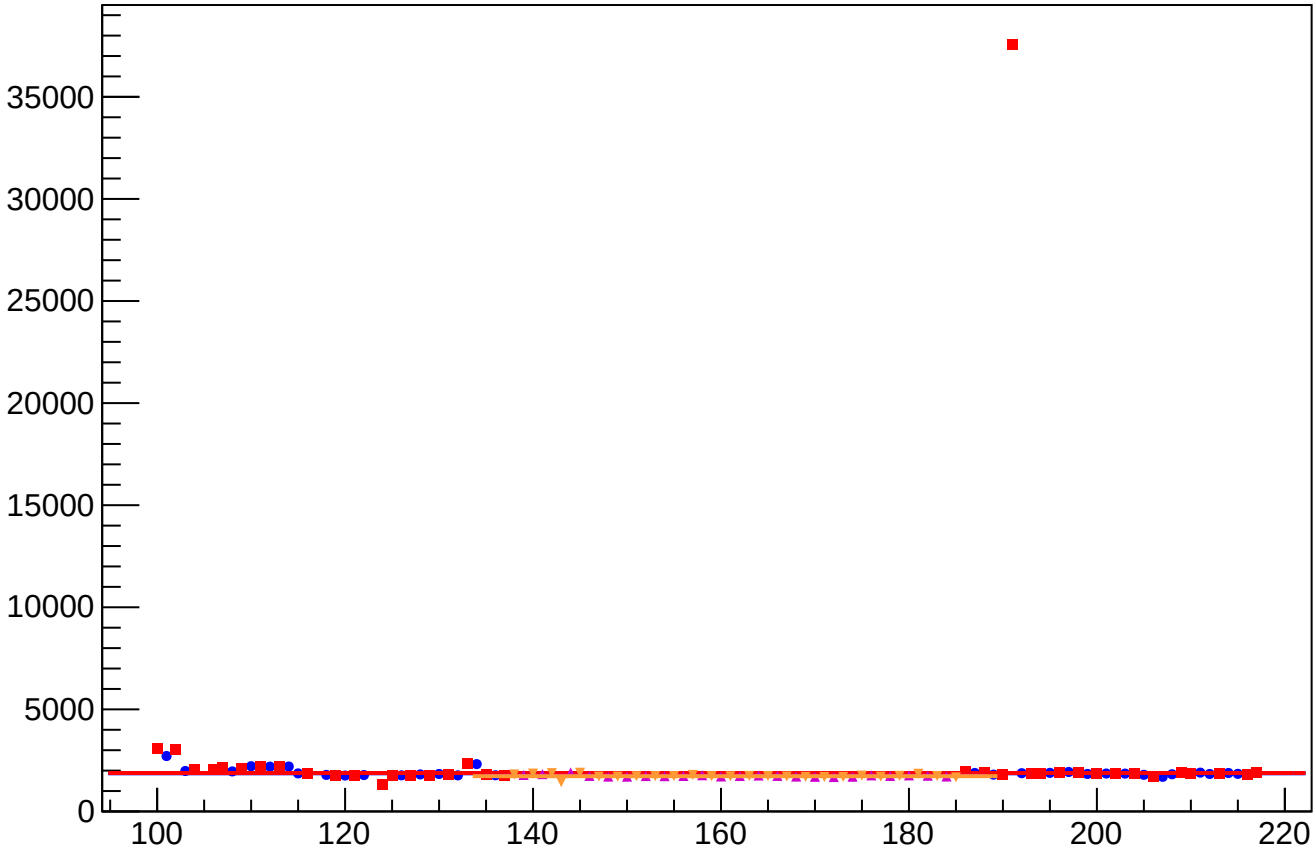
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1915.358+/-289.150 χ^2/NDF: 46.5/55

All: 42.237+/-205.676 χ^2/NDF: 187.6/114

- sign -1876.118+/-292.621 χ^2/NDF: 56.2/58

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.352+/-0.302 χ^2/NDF: 253149.1/30

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1882.146+/-0.297 χ^2/NDF: 522318.1/35

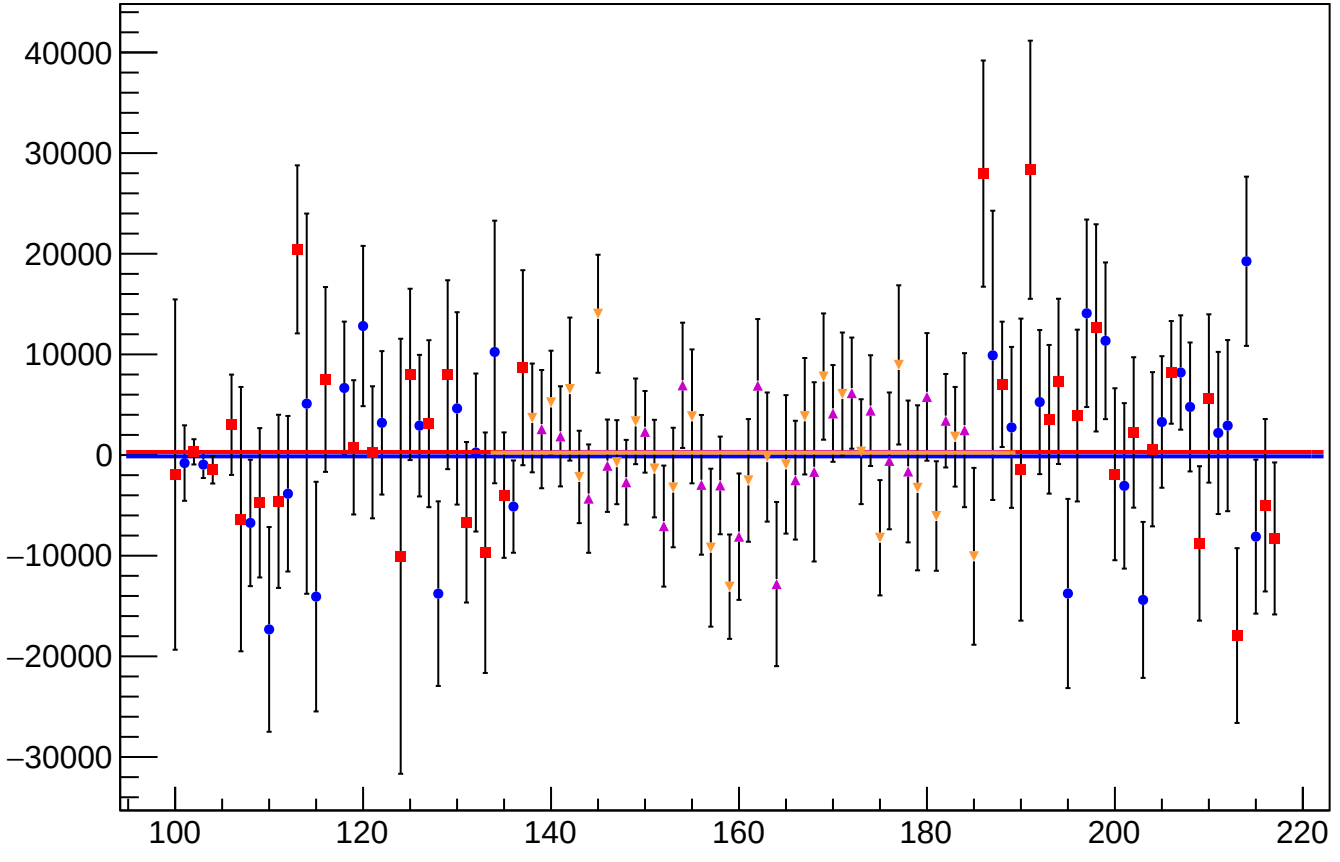
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1792.412+/-0.204 χ^2/NDF: 483378.3/55

All: 1801.732+/-0.145 χ^2/NDF: 1147045.6/11

- sign 1811.274+/-0.207 χ^2/NDF: 659462.2/58

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -132.023+/-945.097 χ^2/NDF: 35.5/30

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 303.598+/-768.010 χ^2/NDF: 39.0/35

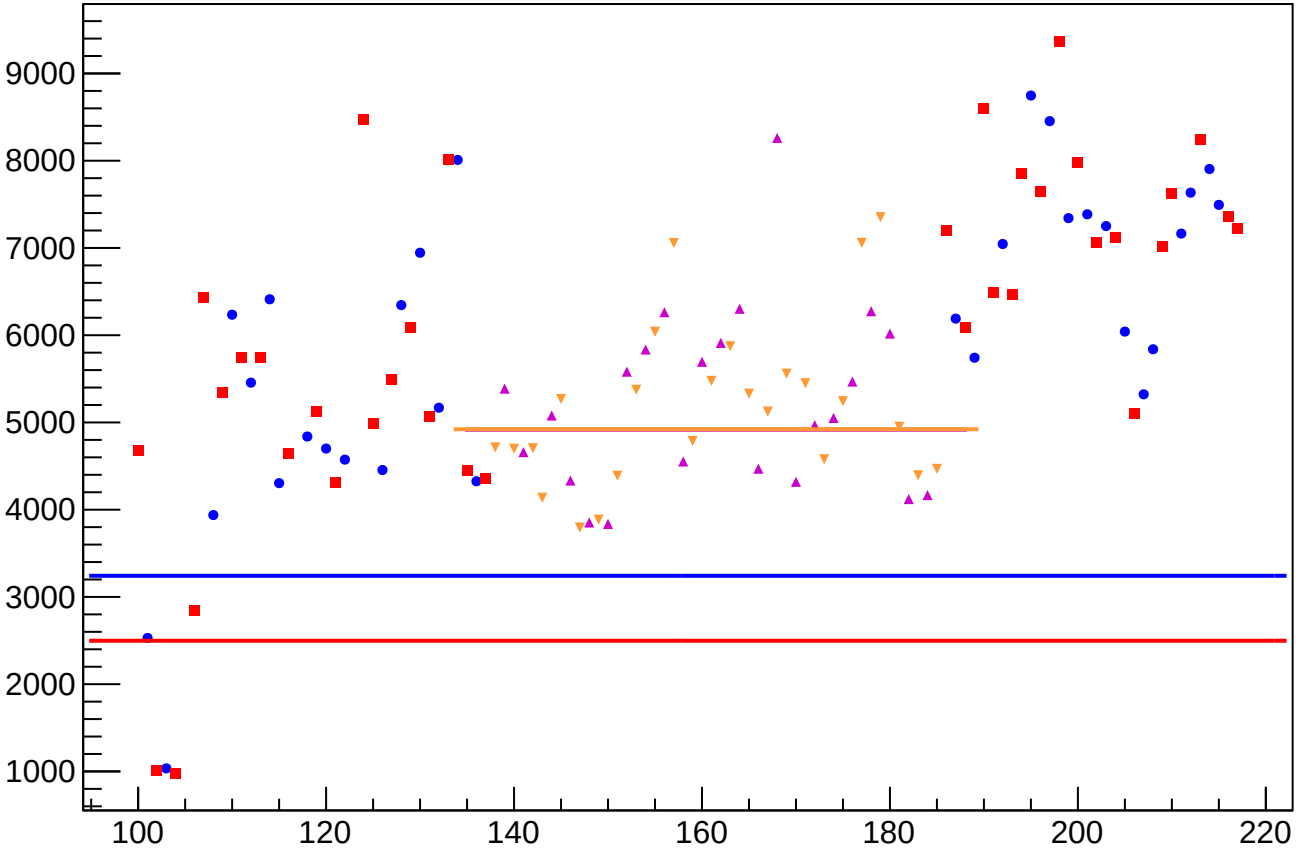
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign 19.824+/-727.830 χ^2/NDF: 62.3/55

All: 179.800+/-481.552 χ^2/NDF: 115.9/114

- sign 304.352+/-642.212 χ^2/NDF: 53.5/58

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3242.459+/-0.668 χ^2/NDF: 14314380.3/30

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2498.075+/-0.543 χ^2/NDF: 19949164.6/35

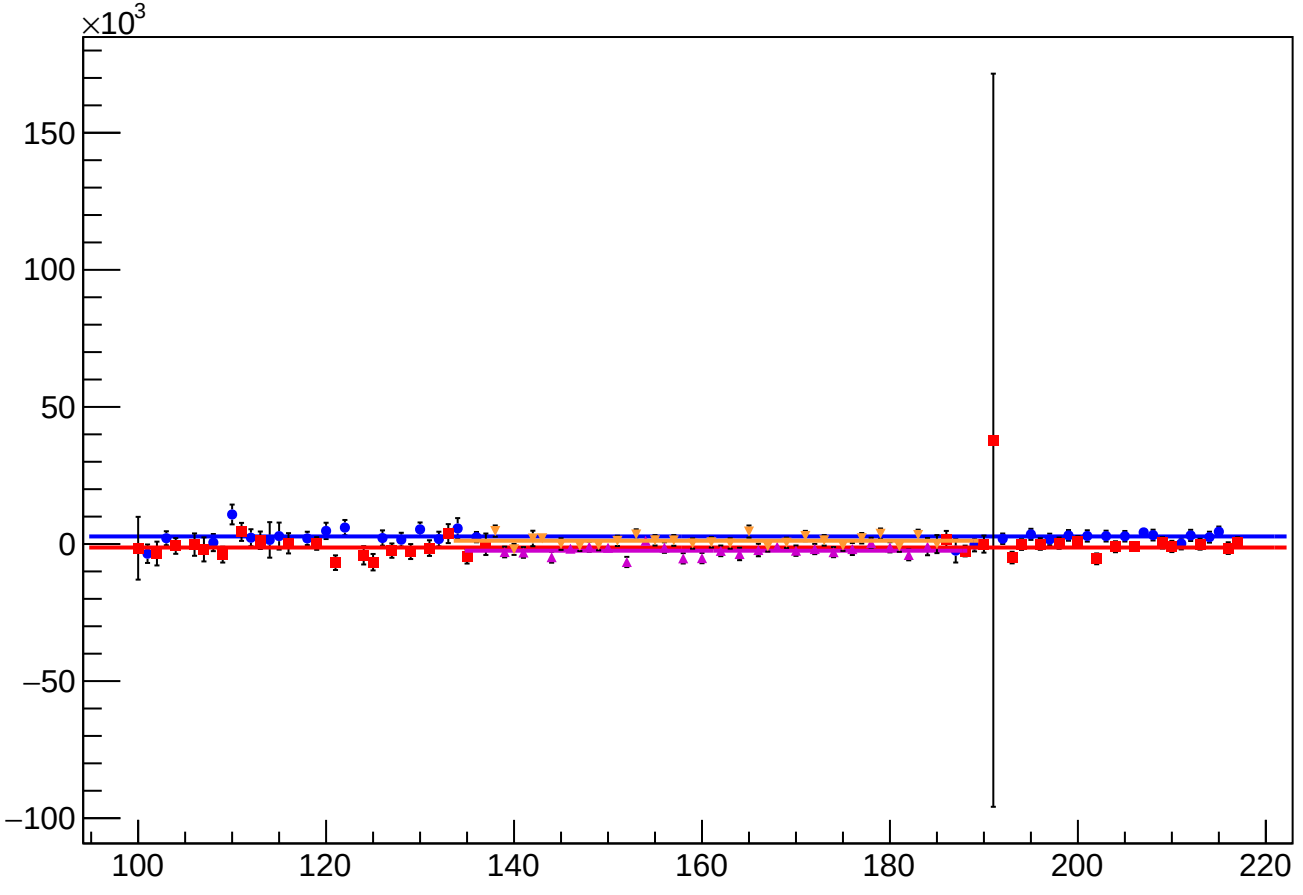
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3926.067+/-0.515 χ^2/NDF: 17936210.9/55

All: 3532.226+/-0.341 χ^2/NDF: 46055581.4/1

- sign 3225.595+/-0.454 χ^2/NDF: 27077816.5/58

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2762.920+/-426.971 χ^2/NDF: 19.7/30

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1278.173+/-420.404 χ^2/NDF: 31.7/35

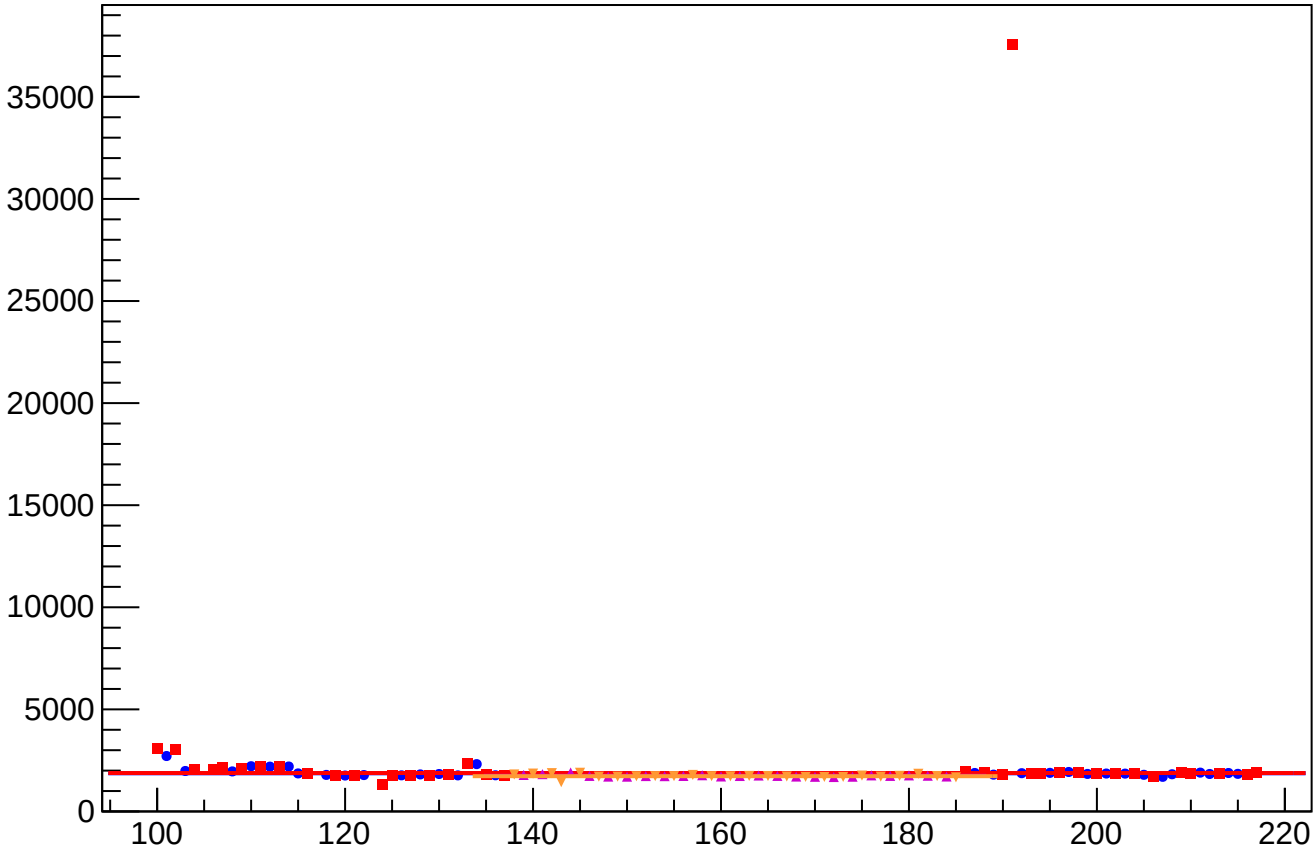
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1915.353+/-289.150 χ^2/NDF: 46.5/55

All: 42.234+/-205.676 χ^2/NDF: 187.6/114

- sign -1876.119+/-292.621 χ^2/NDF: 56.2/58

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1869.352+/-0.302 χ^2/NDF: 253149.1/30

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

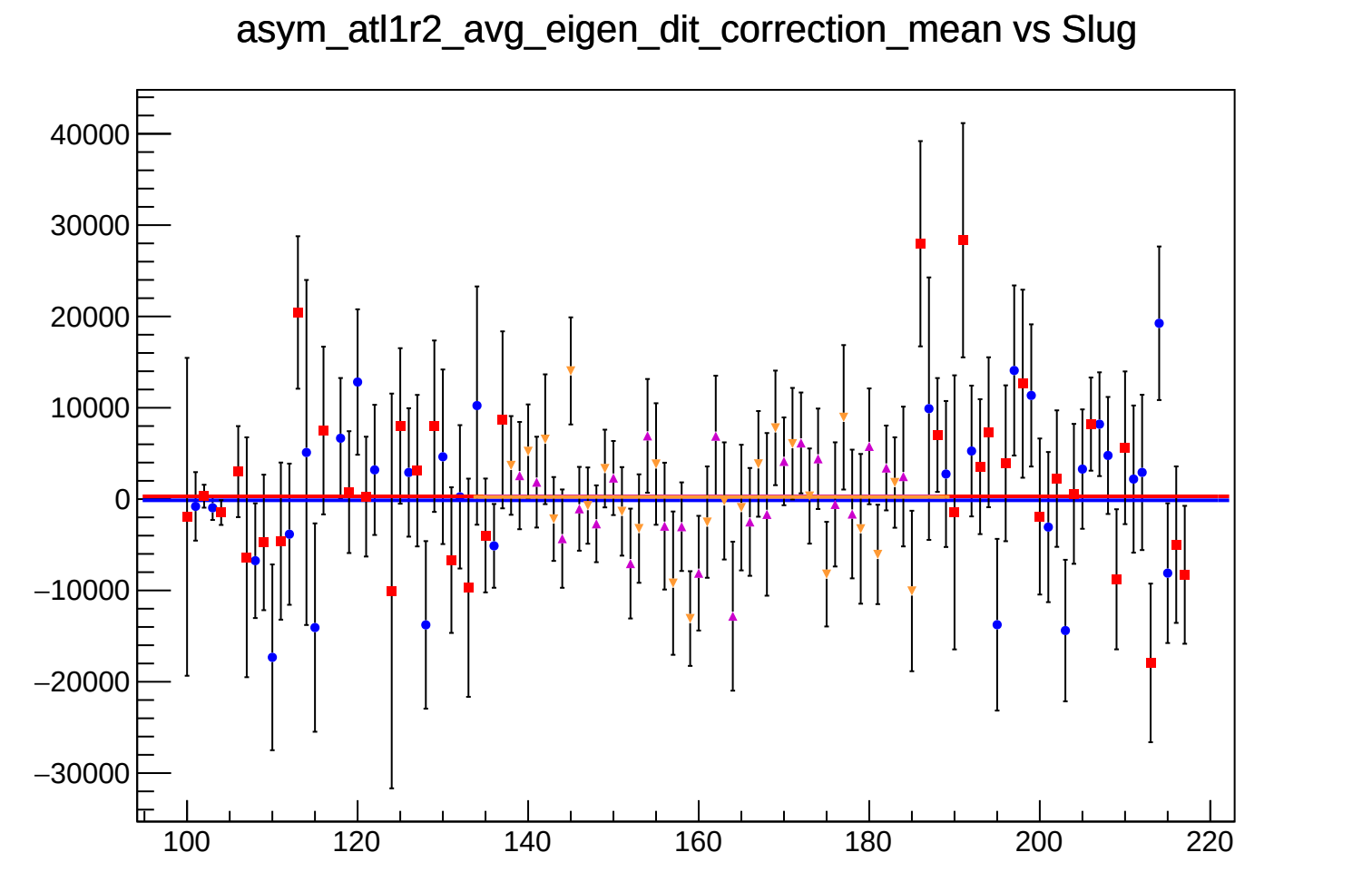
Right Out: 1882.146+/-0.297 χ^2/NDF: 522316.9/35

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1792.413+/-0.204 χ^2/NDF: 483375.4/55

All: 1801.732+/-0.145 χ^2/NDF: 1147040.0/11

- sign 1811.275+/-0.207 χ^2/NDF: 659459.5/58



Right In: -132.023+/-945.097 χ^2/NDF: 35.5/30

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 303.601+/-768.010 χ^2/NDF: 39.0/35

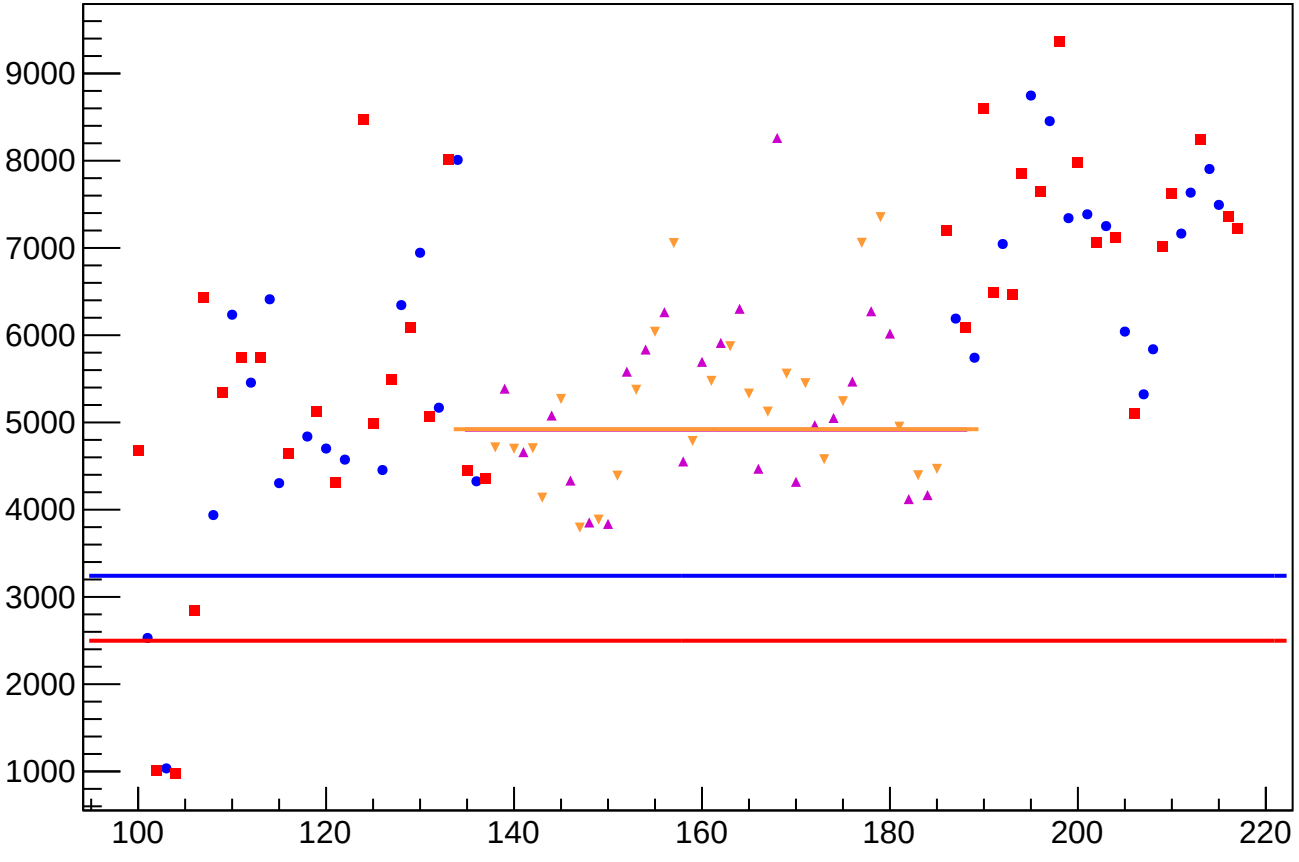
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign 19.823+/-727.830 χ^2/NDF: 62.3/55

All: 179.801+/-481.552 χ^2/NDF: 115.9/114

- sign 304.356+/-642.212 χ^2/NDF: 53.5/58

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3242.457+/-0.668 χ^2/NDF: 14314392.9/30

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

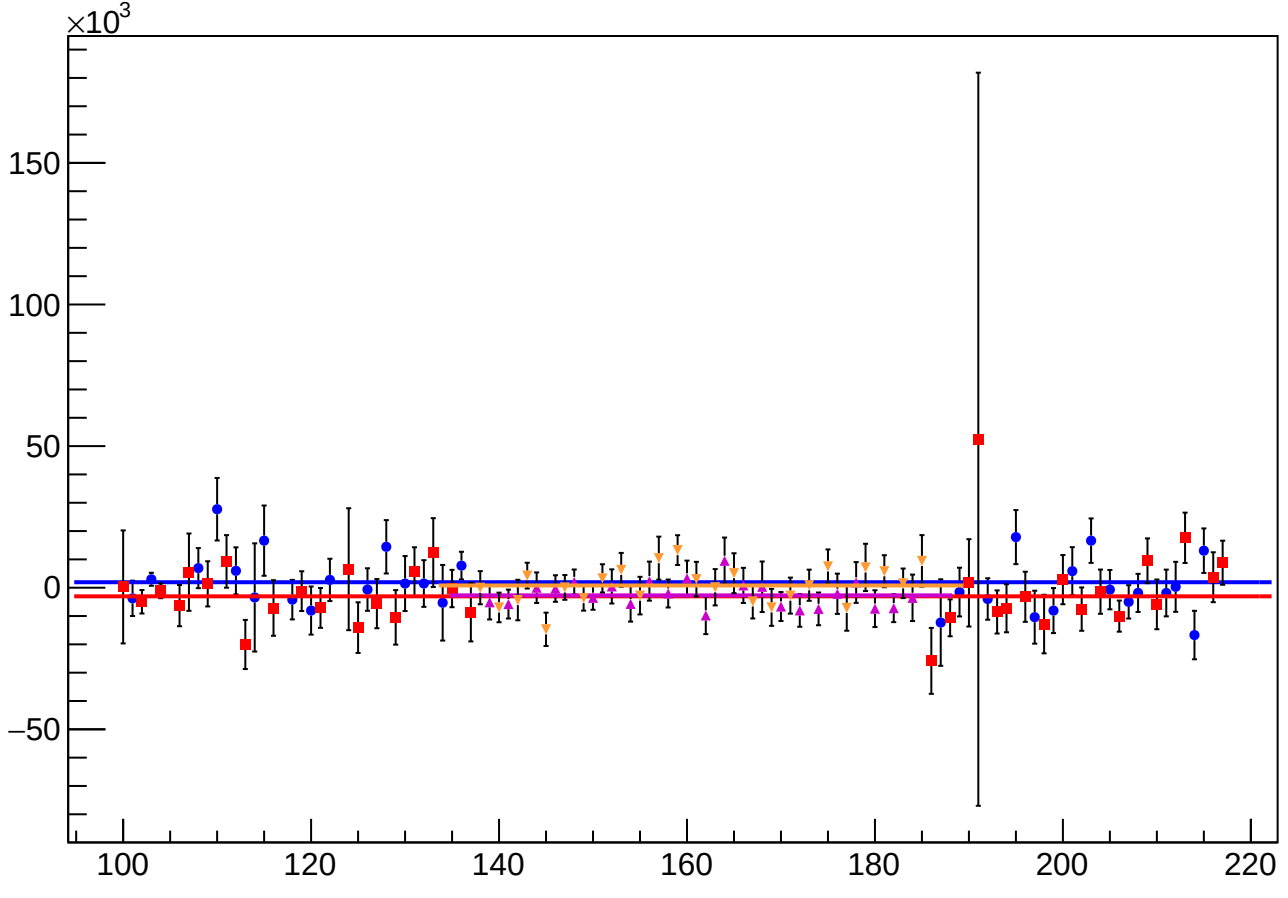
Right Out: 2498.074+/-0.543 χ^2/NDF: 19949172.2/35

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3926.068+/-0.515 χ^2/NDF: 17936251.6/55

All: 3532.226+/-0.341 χ^2/NDF: 46055668.6/1

- sign 3225.594+/-0.454 χ^2/NDF: 27077860.2/58



Right In: 1937.967+/-1234.709 χ^2/NDF: 34.9/30

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3042.806+/-1236.029 χ^2/NDF: 34.0/35

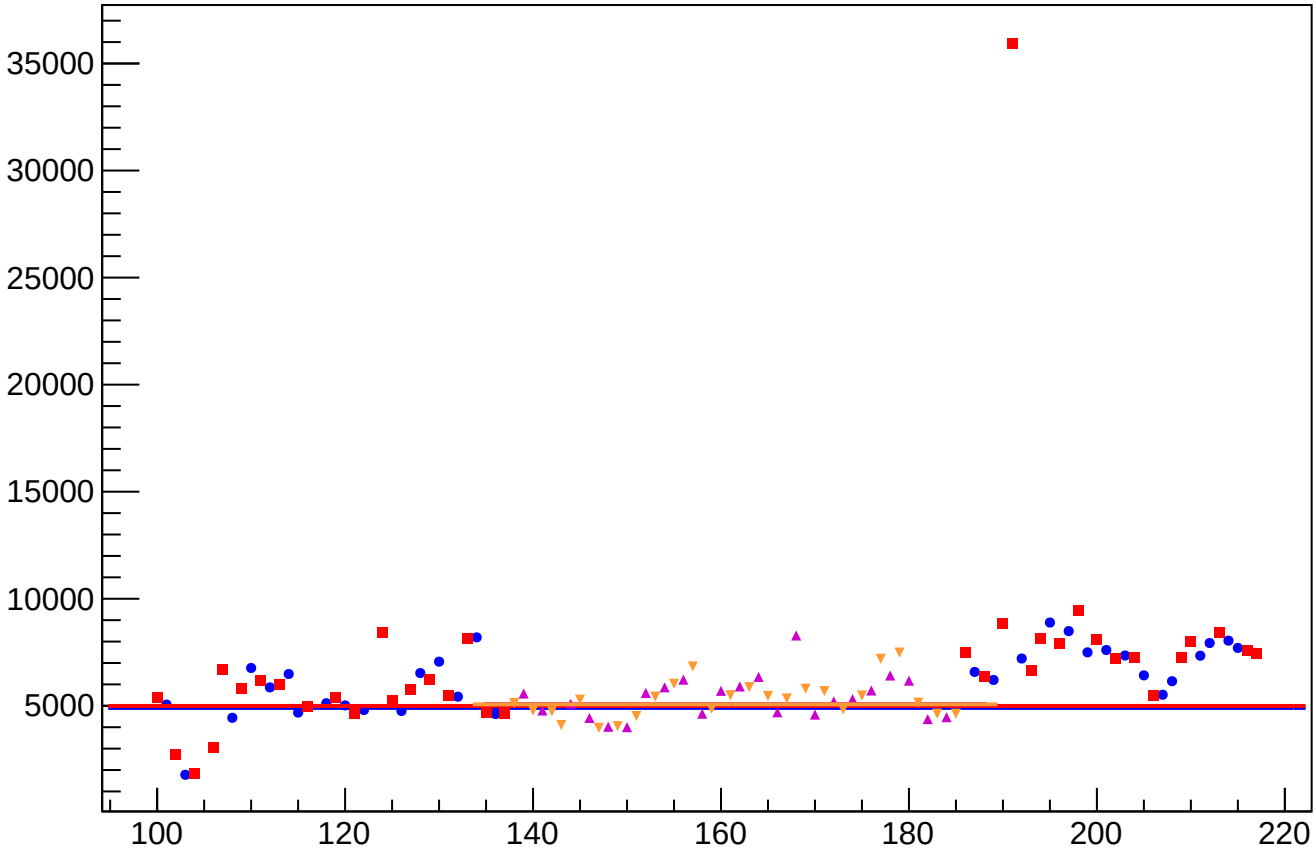
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1333.004+/-850.020 χ^2/NDF: 62.9/55

All: -735.966+/-605.694 χ^2/NDF: 120.8/114

- sign -2870.062+/-863.295 χ^2/NDF: 45.9/58

asym_atl1r2_avg_rms vs Slug



Right In: 4902.773+/-0.873 χ^2/NDF: 6763228.7/30

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4993.075+/-0.868 χ^2/NDF: 7150386.0/35

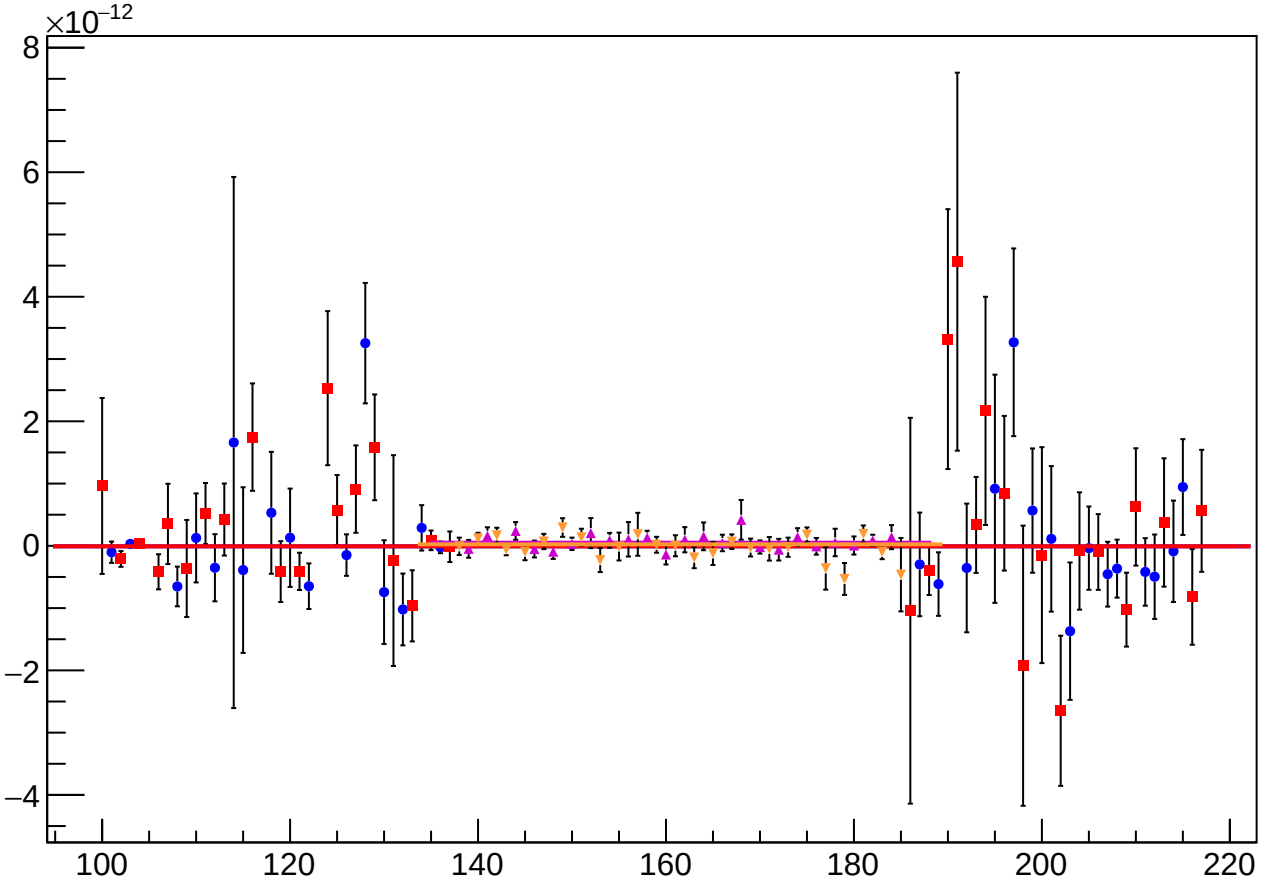
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4989.637+/-0.601 χ^2/NDF: 7736299.6/55

All: 5013.111+/-0.428 χ^2/NDF: 15896081.8/1

- sign 5037.173+/-0.609 χ^2/NDF: 8156693.4/58

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

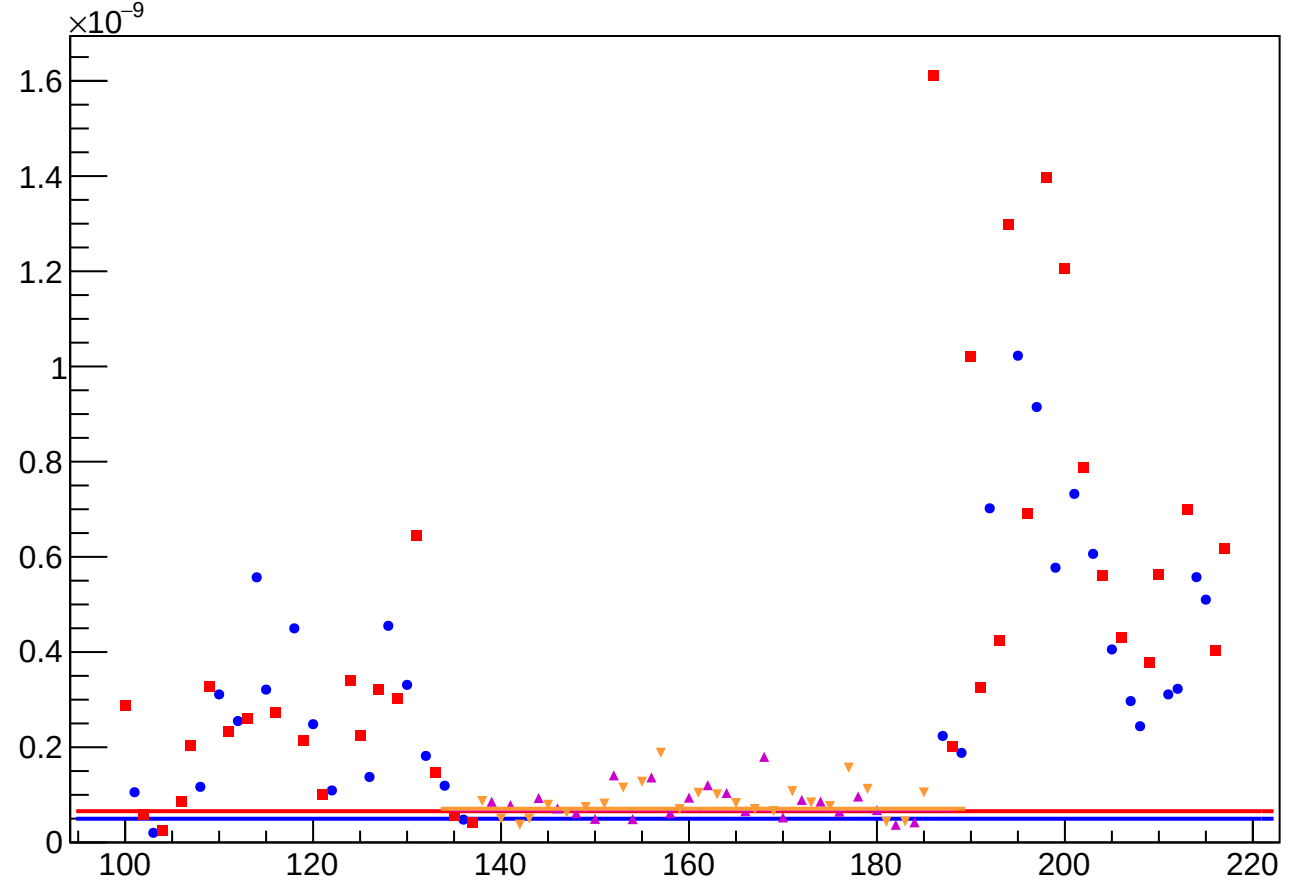
Right Out: -0.000+/-0.000 χ^2/NDF: 46.8/35

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/55

All: 0.000+/-0.000 χ^2/NDF: 121.5/114

- sign 0.000+/-0.000 χ^2/NDF: 59.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 11014565.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

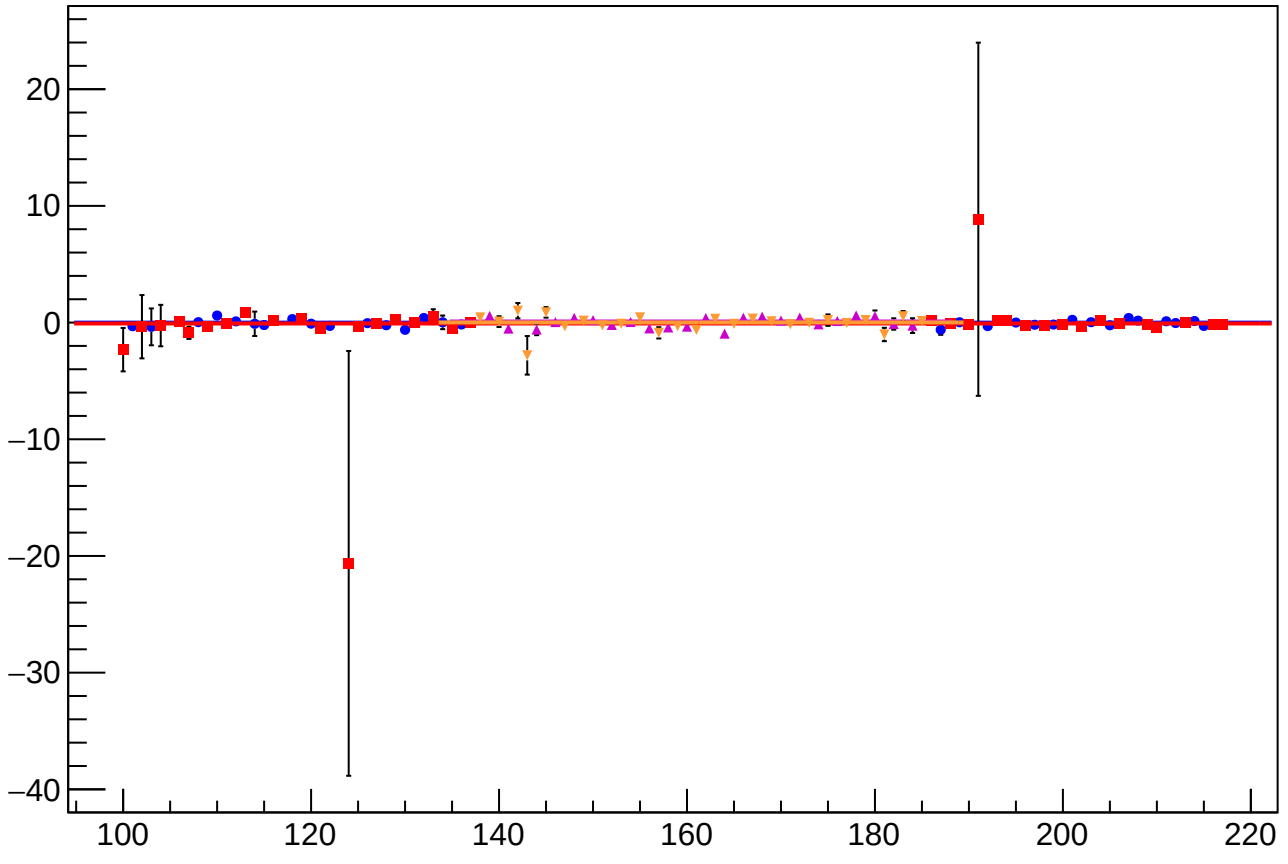
Right Out: 0.000+/-0.000 χ^2/NDF: 12642712.8/35

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12923360.4/55

All: 0.000+/-0.000 χ^2/NDF: 27058000.8/114

- sign 0.000+/-0.000 χ^2/NDF: 14082178.0/58



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

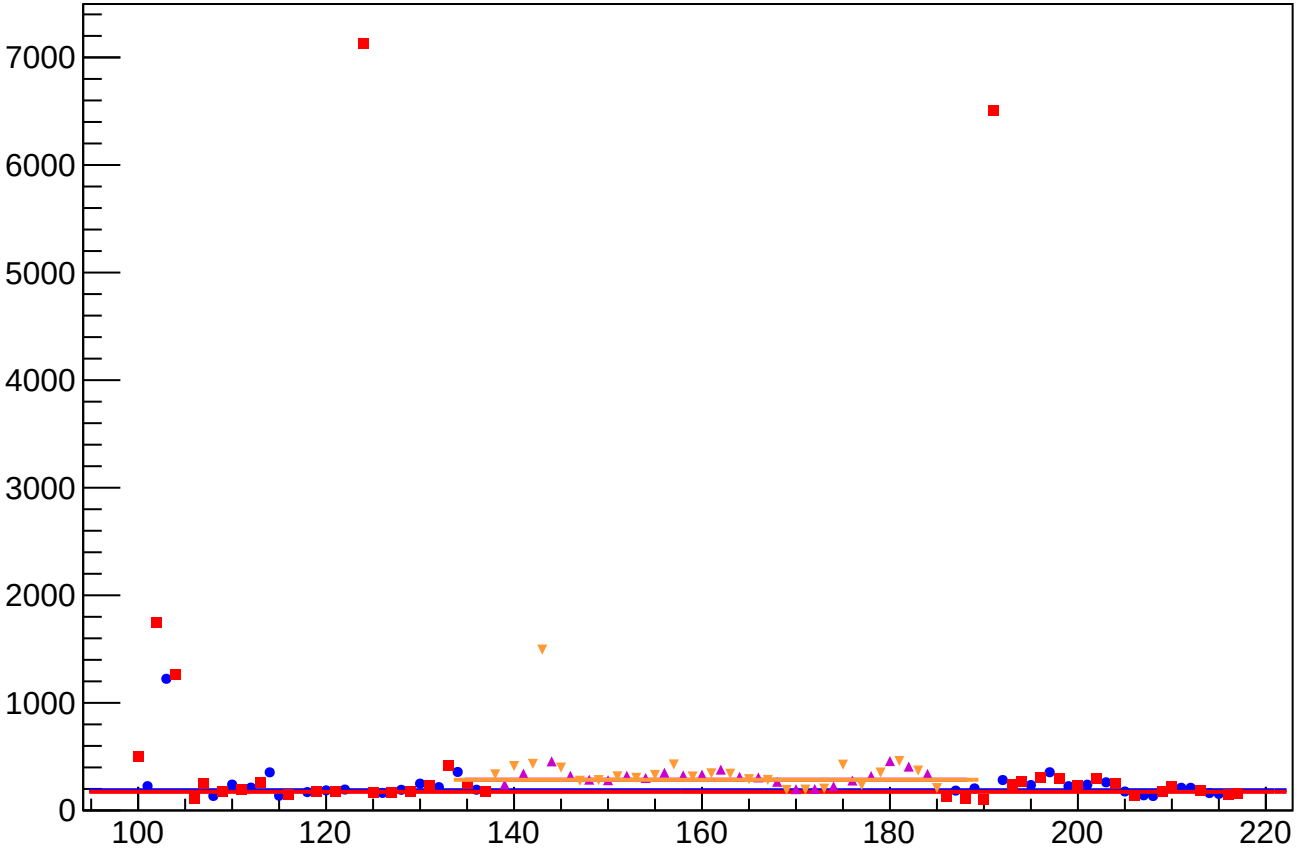
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.039 χ^2/NDF: 57.1/55

All: -0.017+/-0.027 χ^2/NDF: 124.8/114

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 188.219+/-0.033 χ^2/NDF: 2885992.2/30

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

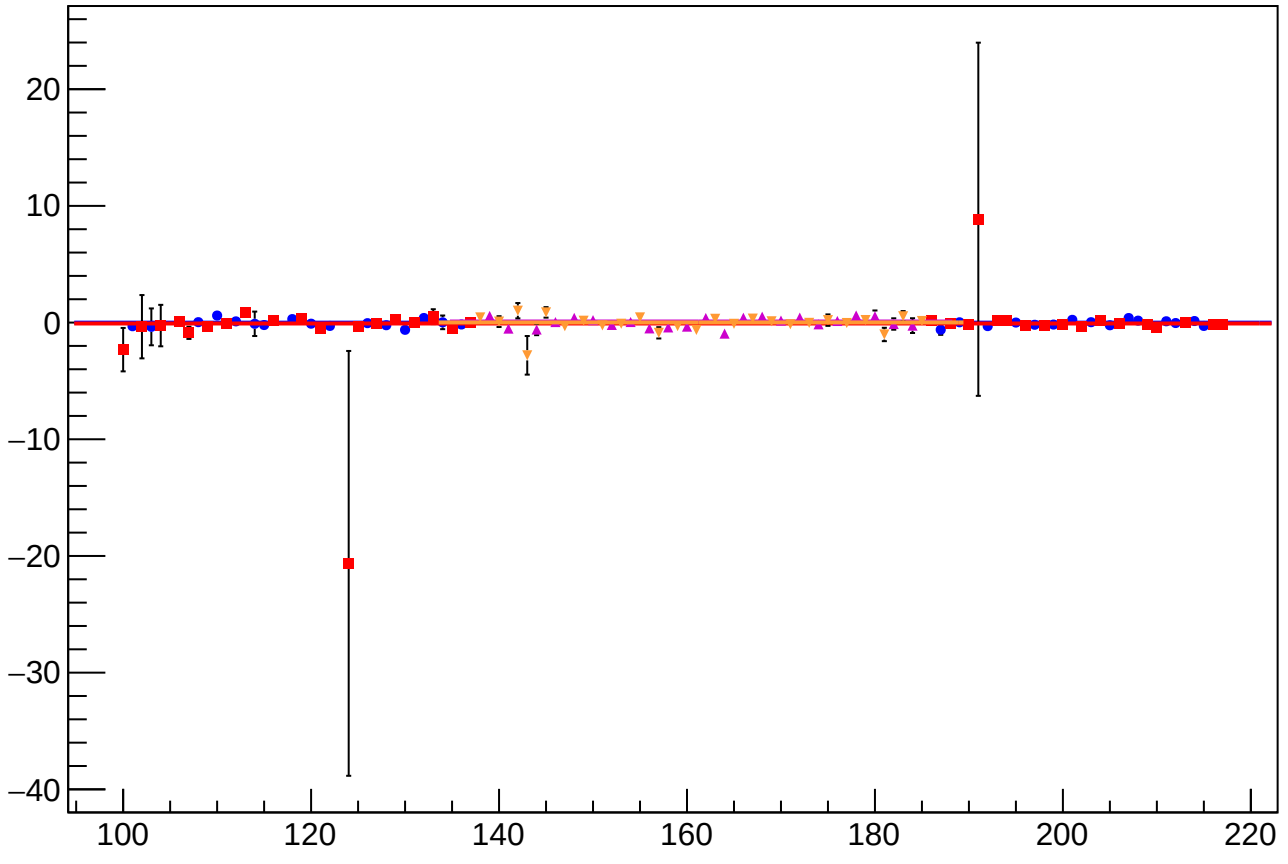
Right Out: 172.953+/-0.030 χ^2/NDF: 5512154.5/35

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 217.696+/-0.027 χ^2/NDF: 8967802.7/55

All: 210.201+/-0.019 χ^2/NDF: 20122734.0/11

- sign 203.440+/-0.026 χ^2/NDF: 11010950.6/58



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

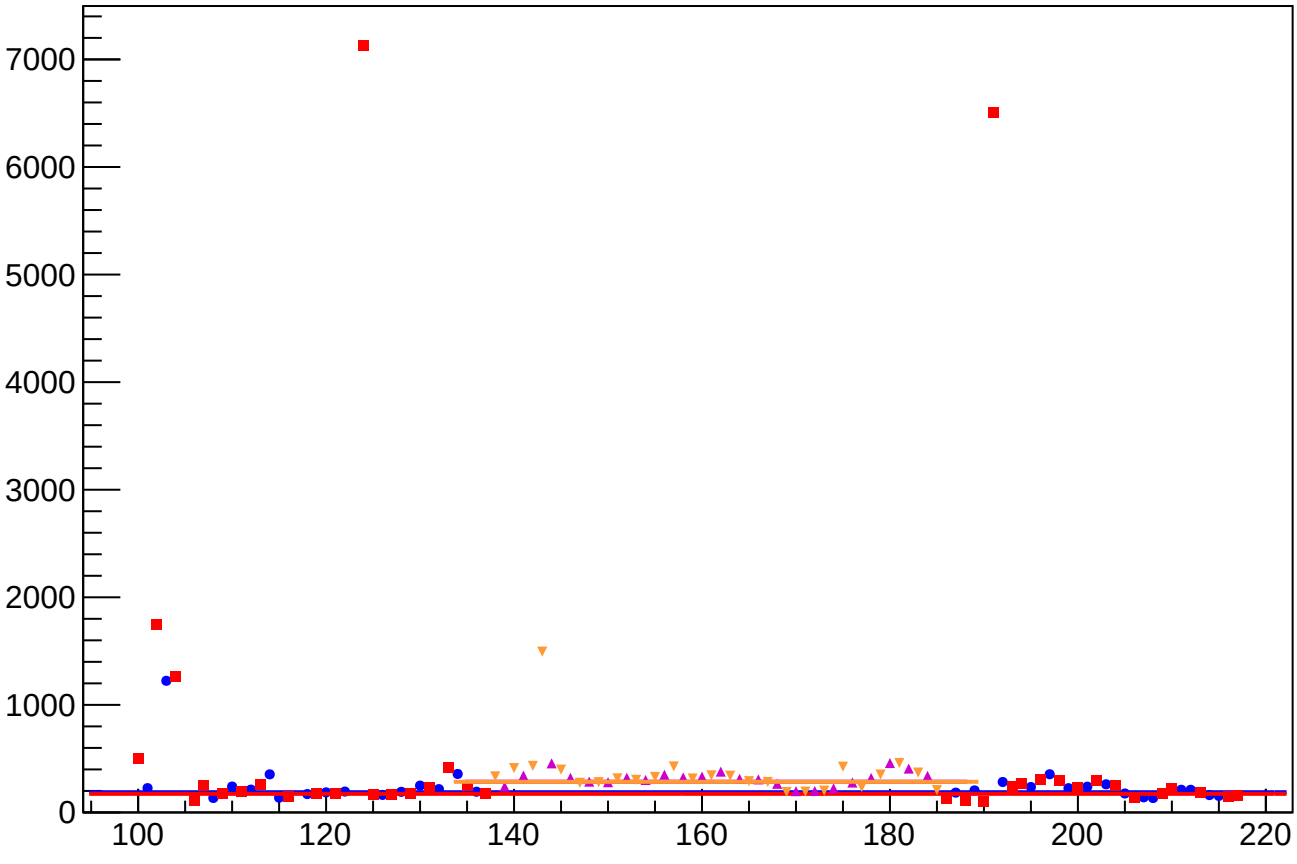
Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

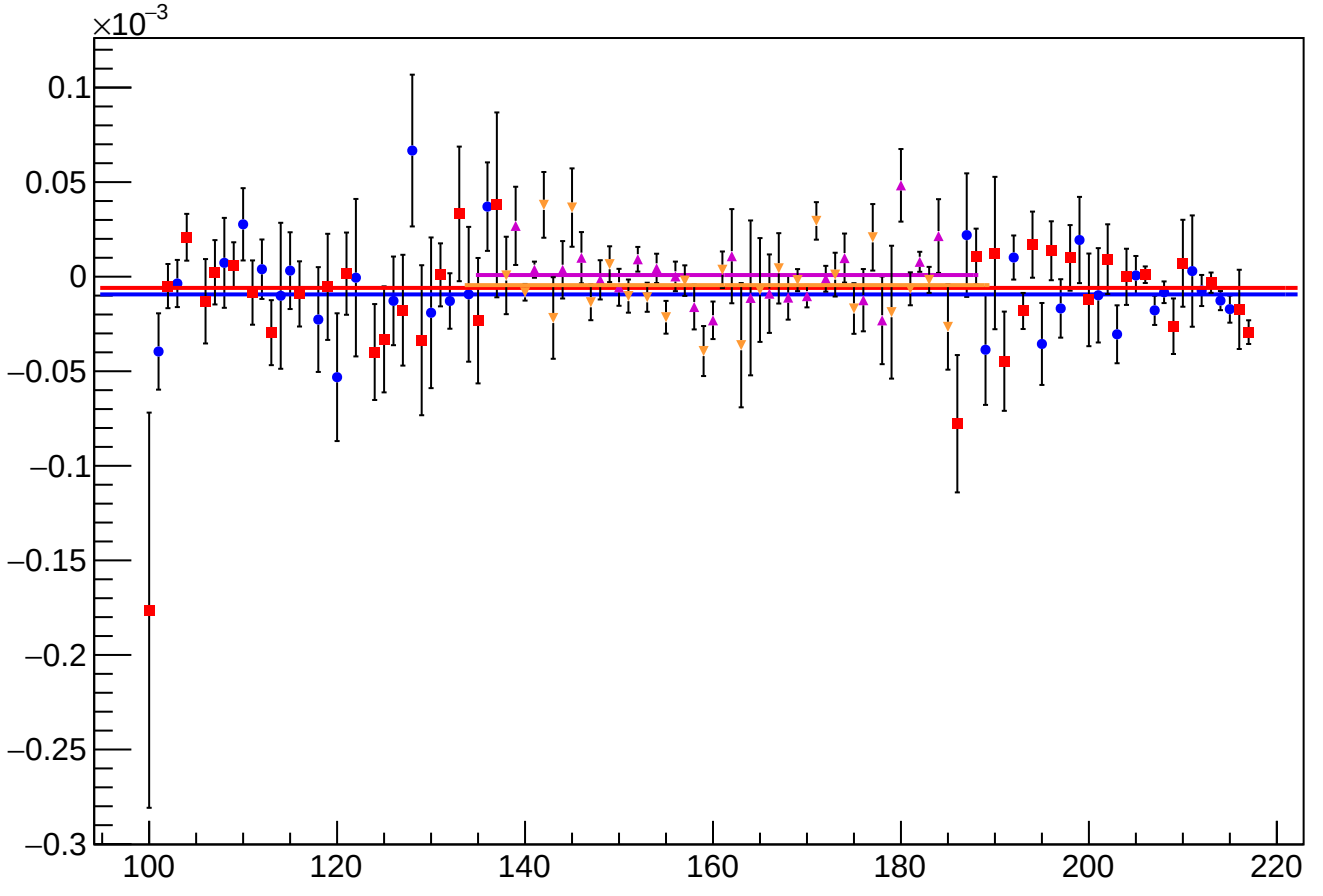
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.039 χ^2/NDF: 57.1/55

All: -0.017+/-0.027 χ^2/NDF: 124.8/114

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58


asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
220
Right In: 188.219+/-0.033 χ²/NDF: 2885992.2/30
Left Out: 285.036+/-0.049 χ²/NDF:3407001.6/24
Right Out: 172.953+/-0.030 χ²/NDF: 5512154.5/35
Left In: 285.869+/-0.050 χ²/NDF:1744706.1/22
+ sign 217.696+/-0.027 χ²/NDF: 8967802.7/55
All: 210.201+/-0.019 χ²/NDF: 20122734.0/11
- sign 203.440+/-0.026 χ²/NDF: 11010950.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.1/35

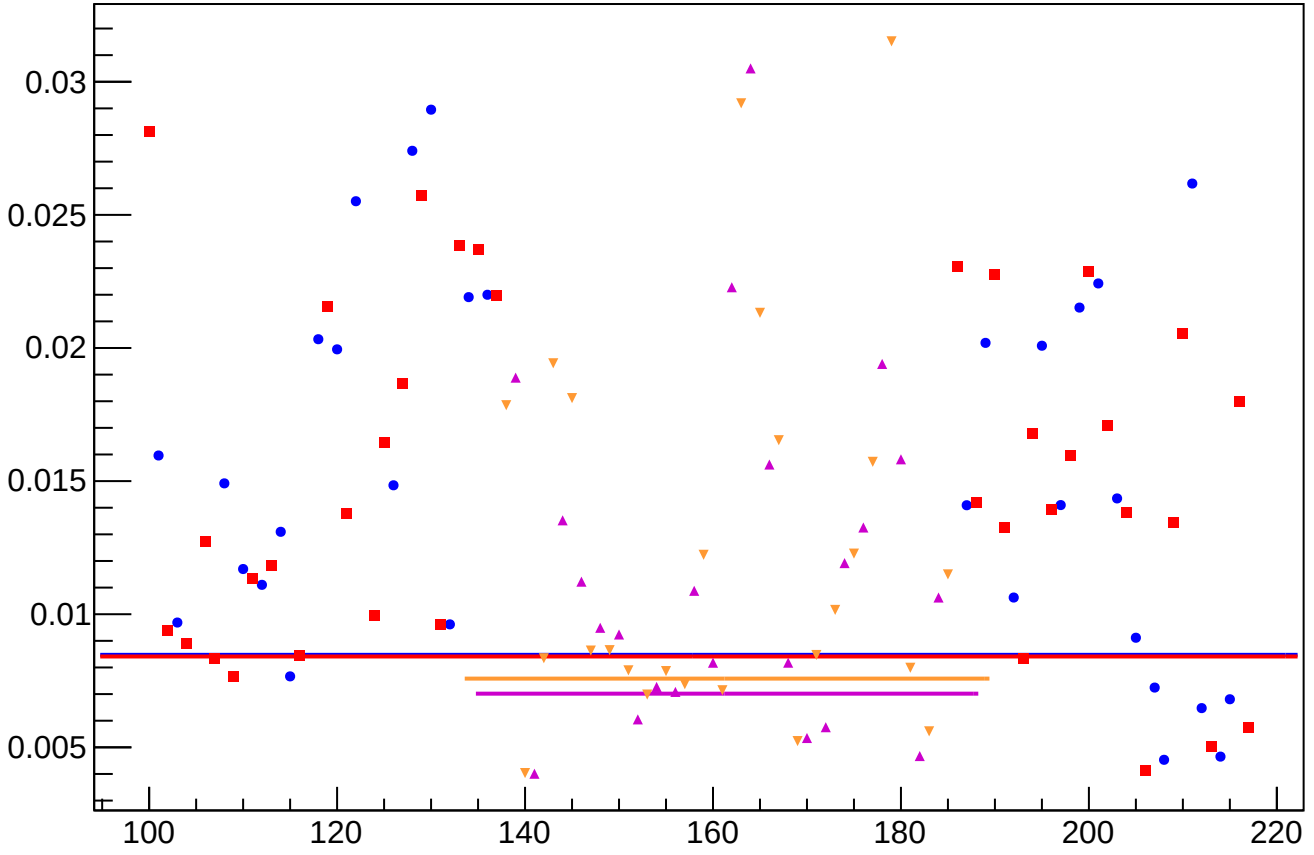
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/55

All: -0.000+/-0.000 χ^2/NDF: 167.0/114

- sign -0.000+/-0.000 χ^2/NDF: 84.6/58

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9569699.5/30

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

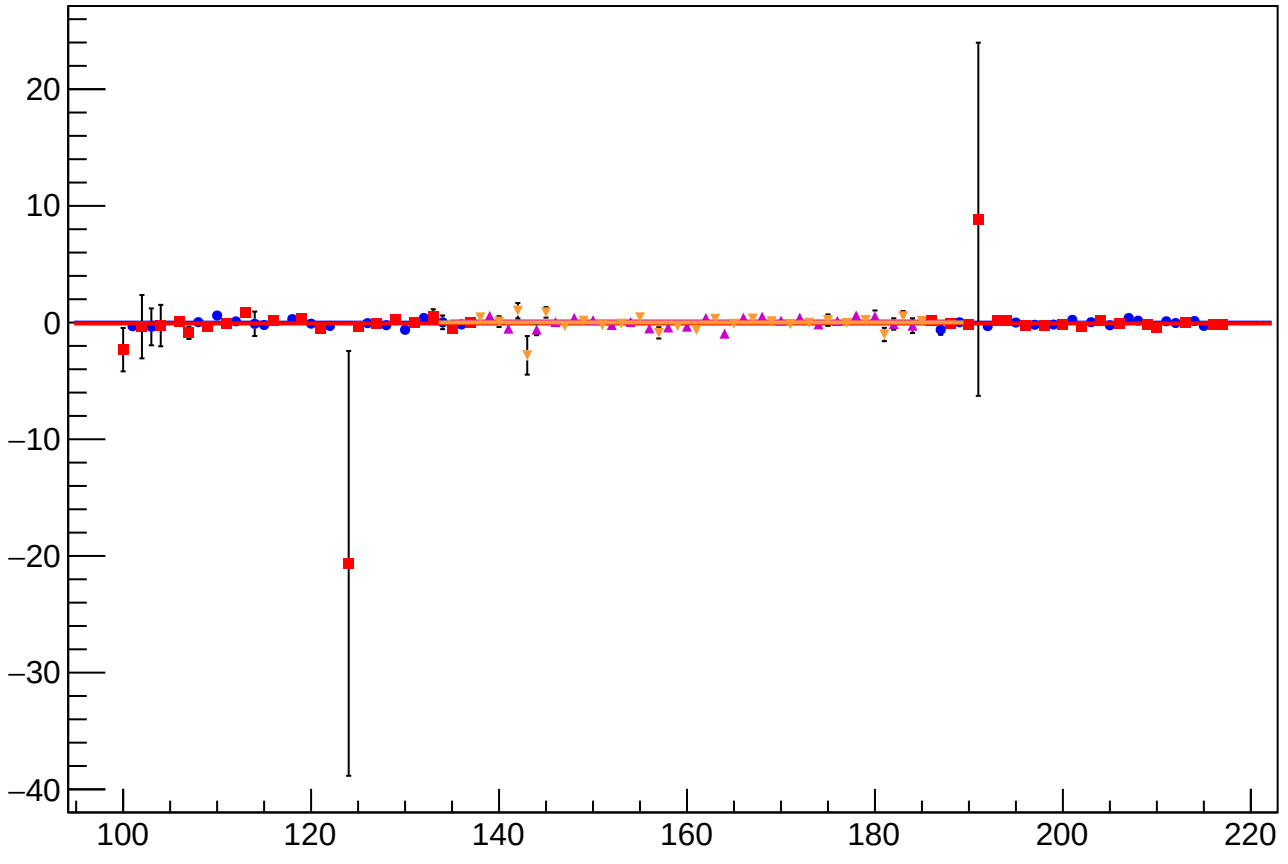
Right Out: 0.008+/-0.000 χ^2/NDF: 10348683.3/35

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 17094523.3/55

All: 0.008+/-0.000 χ^2/NDF: 34700699.2/114

- sign 0.008+/-0.000 χ^2/NDF: 17552886.7/58



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

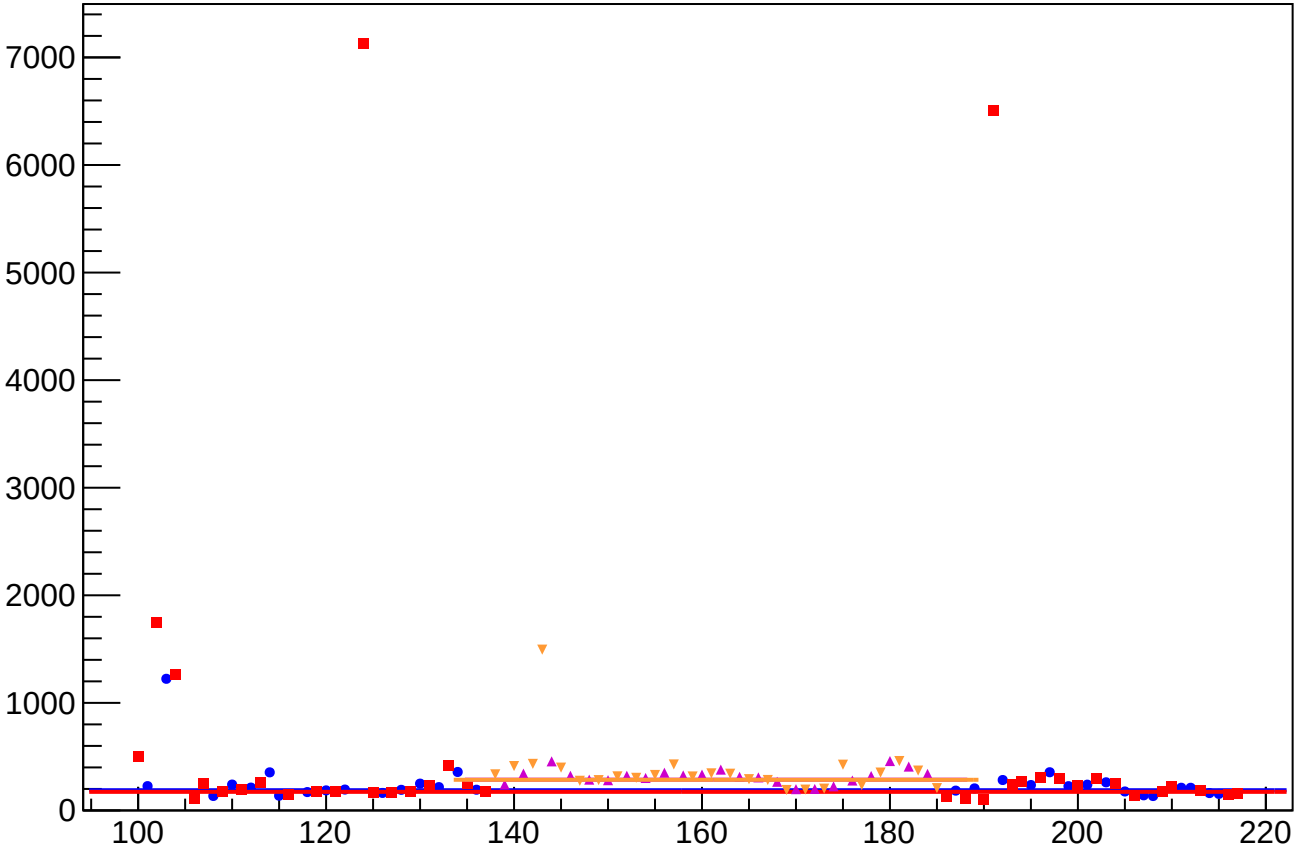
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.039 χ^2/NDF: 57.1/55

All: -0.017+/-0.027 χ^2/NDF: 124.8/114

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 188.218+/-0.033 χ^2/NDF: 2886009.2/30

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

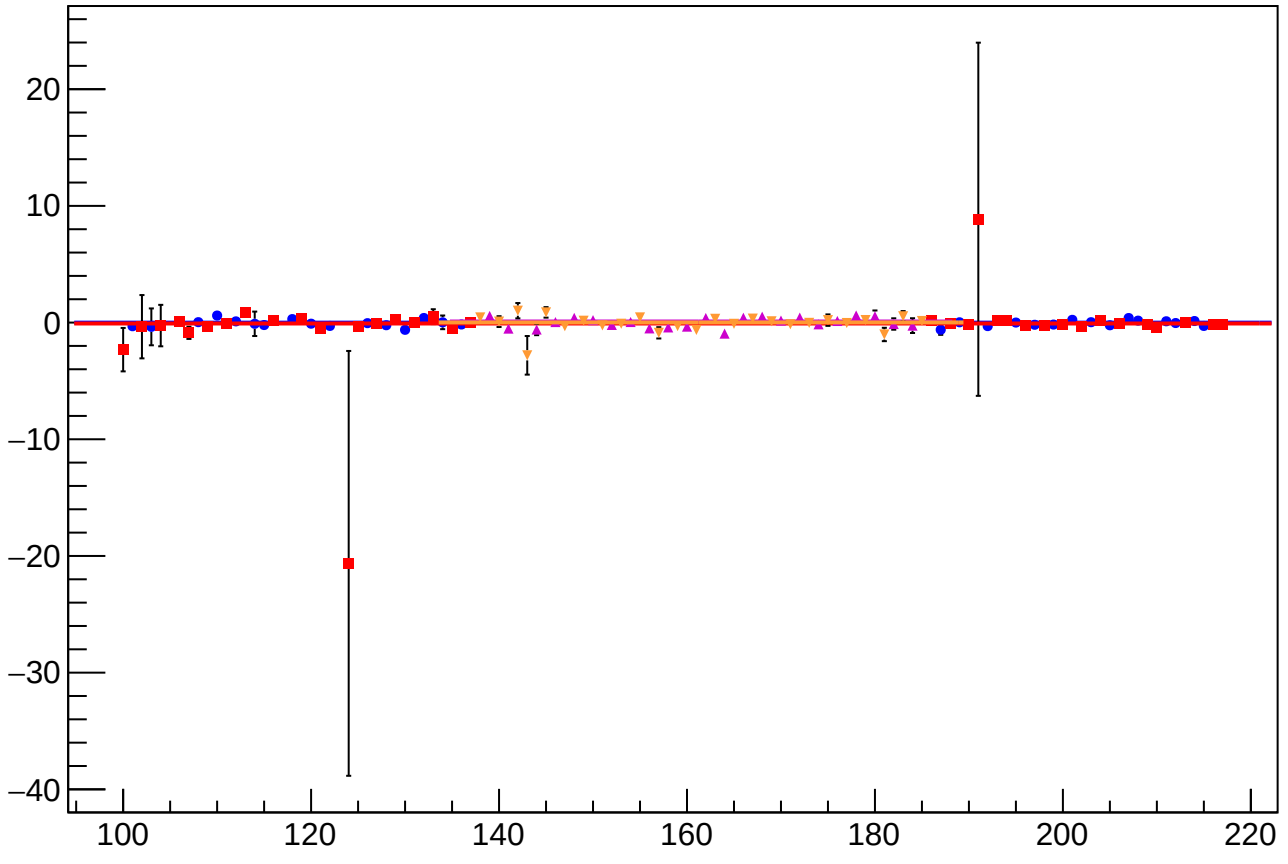
Right Out: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 217.695+/-0.027 χ^2/NDF: 8968033.9/55

All: 210.200+/-0.019 χ^2/NDF: 20123438.3/11

- sign 203.438+/-0.026 χ^2/NDF: 11011398.8/58



Right In: -0.005+/-0.046 χ^2/NDF: 28.8/30

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

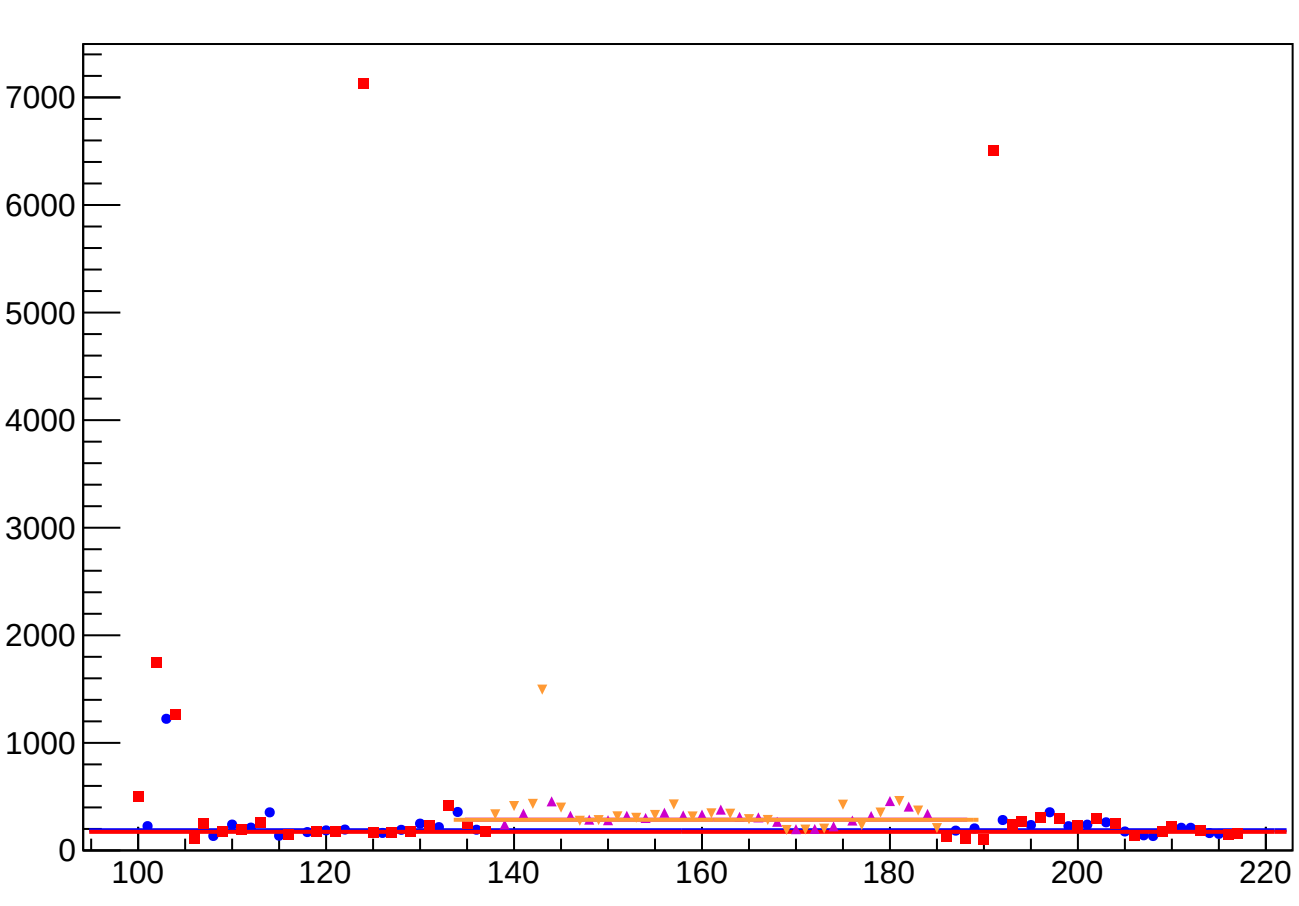
Right Out: -0.079+/-0.043 χ^2/NDF: 32.2/35

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.001+/-0.039 χ^2/NDF: 57.1/55

All: -0.017+/-0.027 χ^2/NDF: 124.8/114

- sign -0.033+/-0.037 χ^2/NDF: 67.3/58



Right In: 188.218+/-0.033 χ^2/NDF: 2886009.2/30

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 172.951+/-0.030 χ^2/NDF: 5512287.5/35

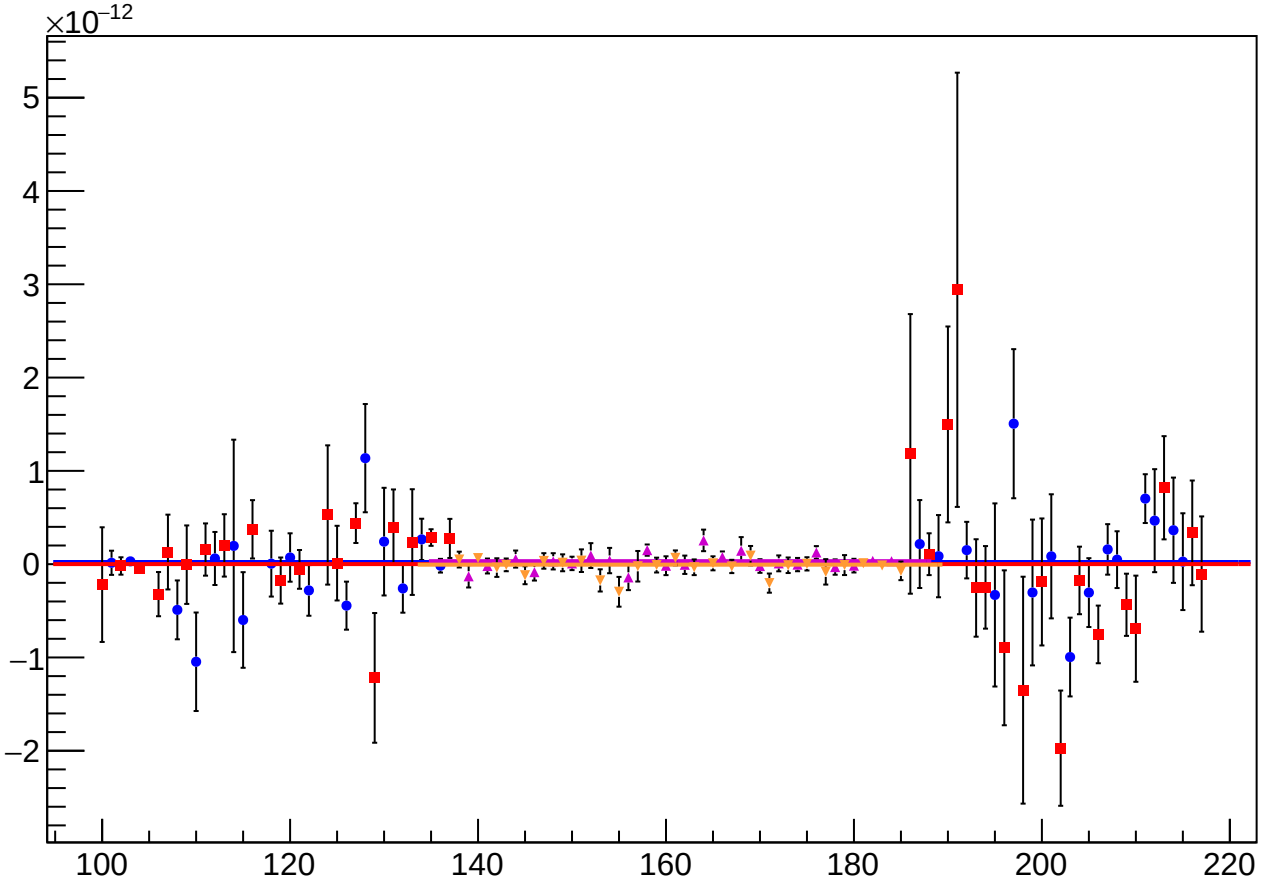
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 217.695+/-0.027 χ^2/NDF: 8968033.9/55

All: 210.200+/-0.019 χ^2/NDF: 20123438.3/11

- sign 203.438+/-0.026 χ^2/NDF: 11011398.8/58

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

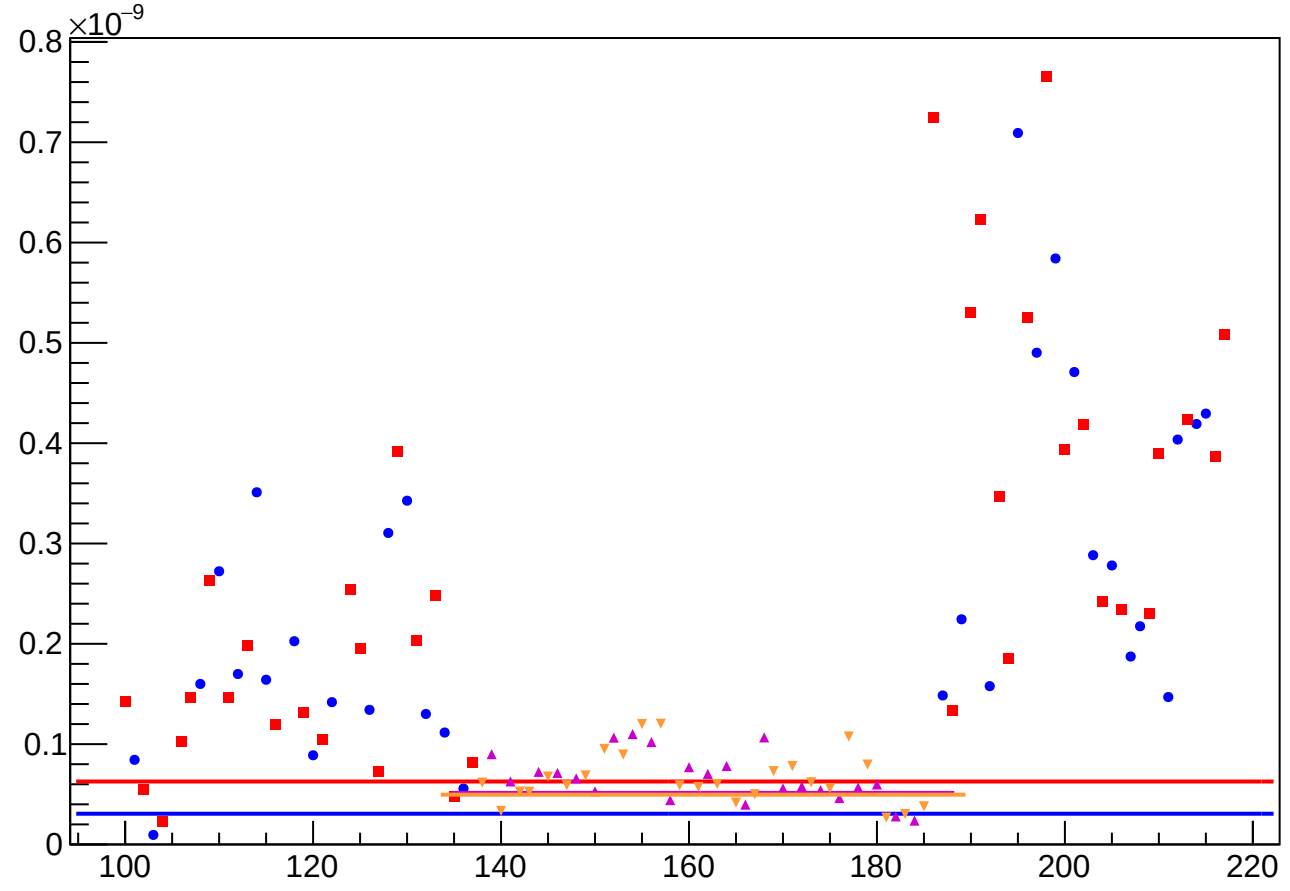
Right Out: 0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/55

All: 0.000+/-0.000 χ^2/NDF: 133.9/114

- sign 0.000+/-0.000 χ^2/NDF: 76.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 17596615.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13825098.6/35

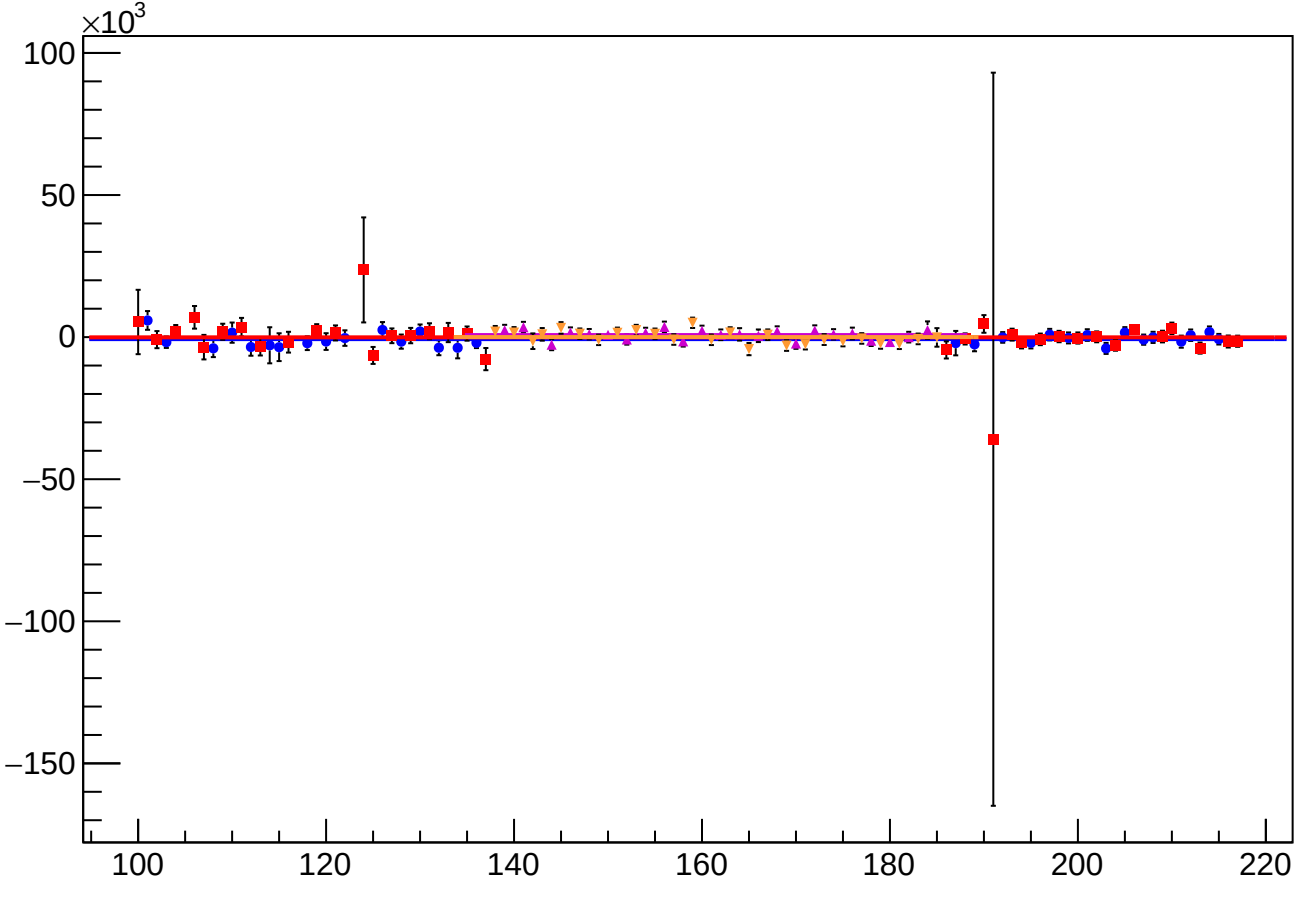
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 22614003.6/55

All: 0.000+/-0.000 χ^2/NDF: 41031508.0/114

- sign 0.000+/-0.000 χ^2/NDF: 17707356.8/58

reg_asym_atl1r2_dd_mean vs Slug



Right In: -698.679+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.574+/-413.837 χ^2/NDF: 38.8/35

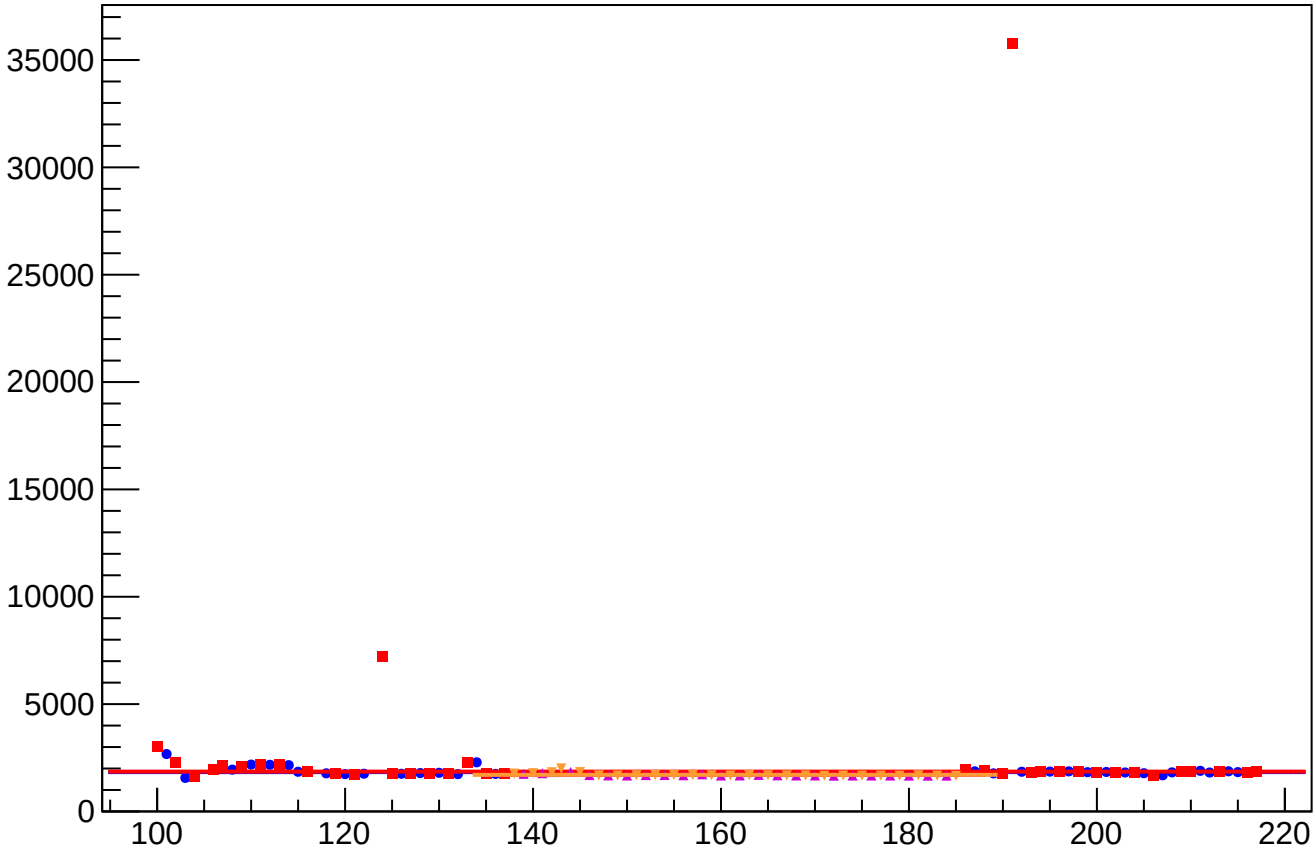
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -310.171+/-284.463 χ^2/NDF: 52.7/55

All: 12.118+/-201.786 χ^2/NDF: 115.1/114

\- sign 338.540+/-286.282 χ^2/NDF: 59.8/58

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.8/30

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.718+/-0.292 χ^2/NDF: 536638.6/35

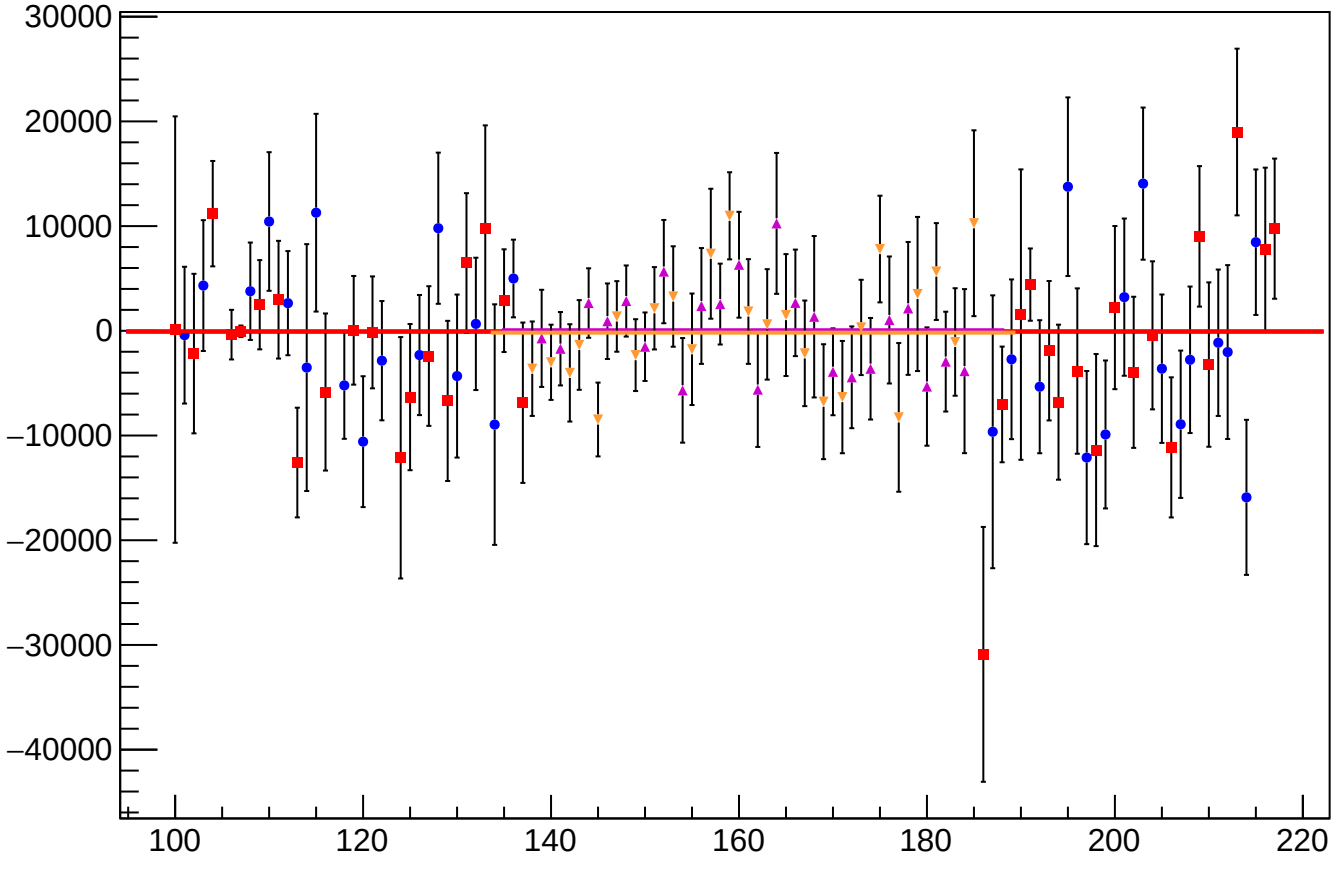
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1764.311+/-0.201 χ^2/NDF: 440667.9/55

All: 1768.772+/-0.143 χ^2/NDF: 1151981.7/11

- sign 1773.286+/-0.202 χ^2/NDF: 710324.4/58

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: -76.171+/-1186.272 χ^2/NDF: 34.6/30

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -49.881+/-483.437 χ^2/NDF: 44.3/35

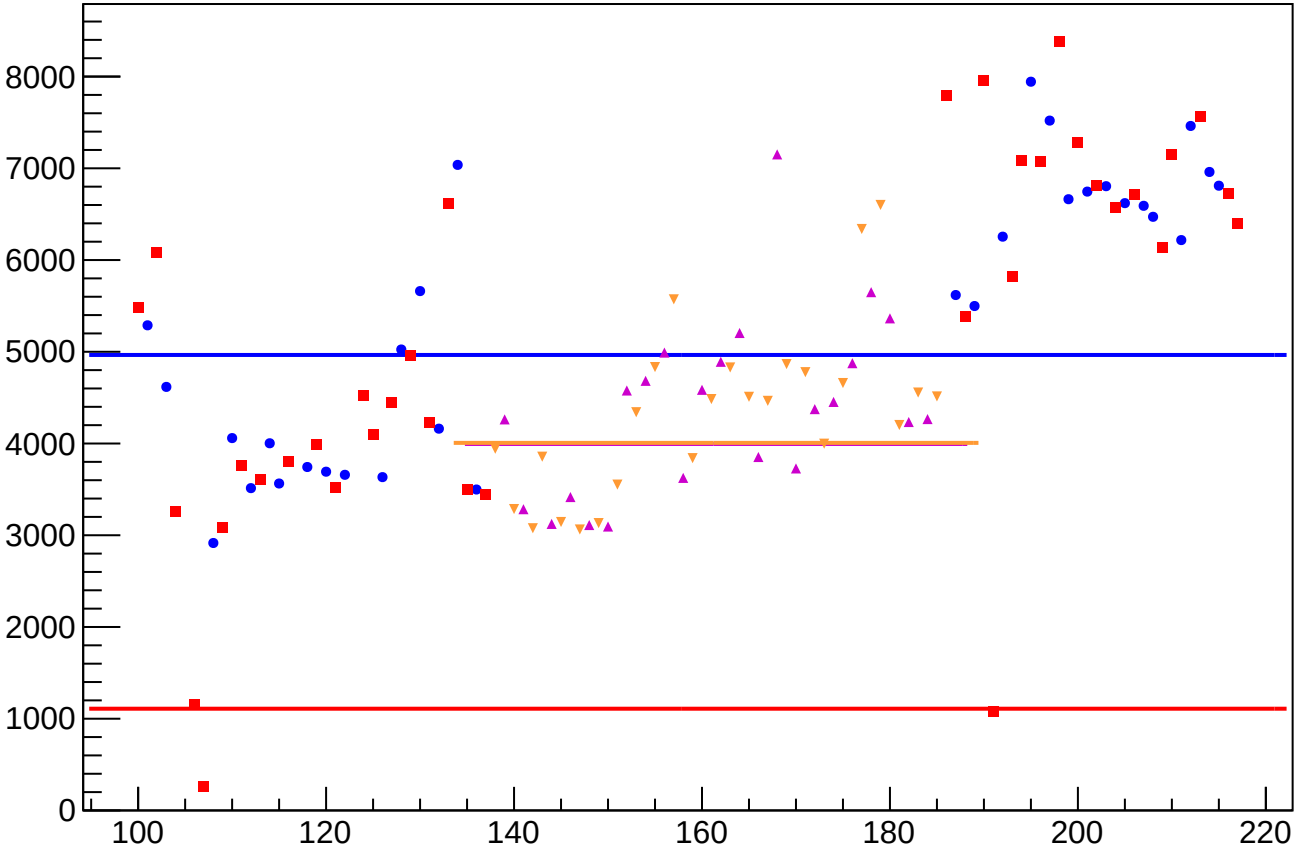
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -137.603+/-734.394 χ^2/NDF: 62.5/55

All: -56.302+/-372.002 χ^2/NDF: 121.1/114

- sign -28.242+/-431.449 χ^2/NDF: 58.6/58

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4965.352+/-0.839 χ^2/NDF: 3229714.8/30

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1109.140+/-0.342 χ^2/NDF: 29899628.1/35

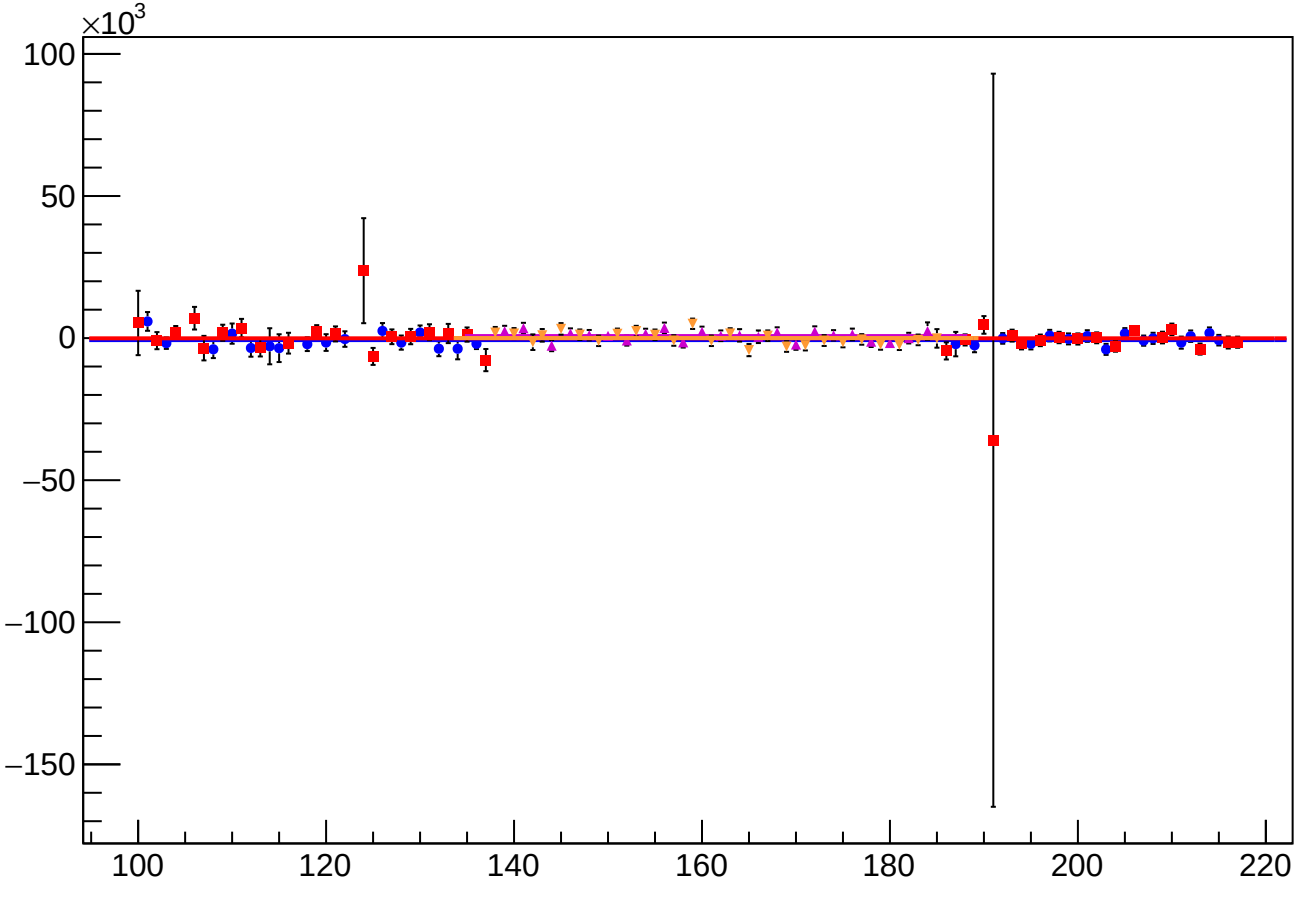
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4374.294+/-0.519 χ^2/NDF: 5538432.1/55

All: 2383.539+/-0.263 χ^2/NDF: 71248603.7/1

- sign 1696.442+/-0.305 χ^2/NDF: 45941586.4/58

cor_asym_atl1r2_dd_mean vs Slug



Right In: -698.510+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.431+/-413.837 χ^2/NDF: 38.9/35

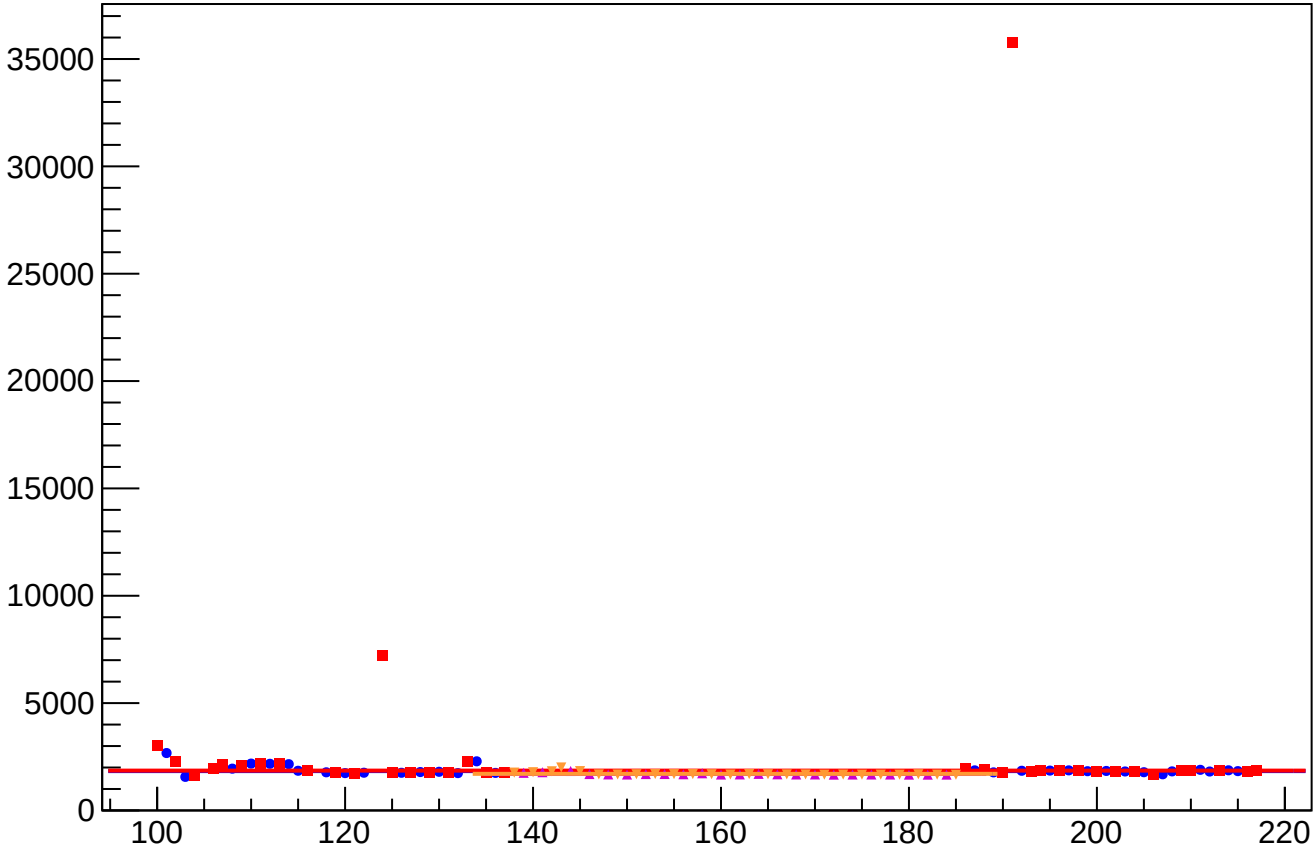
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -310.054+/-284.463 χ^2/NDF: 52.7/55

All: 12.178+/-201.786 χ^2/NDF: 115.2/114

- sign 338.544+/-286.282 χ^2/NDF: 59.9/58

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.0/30

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

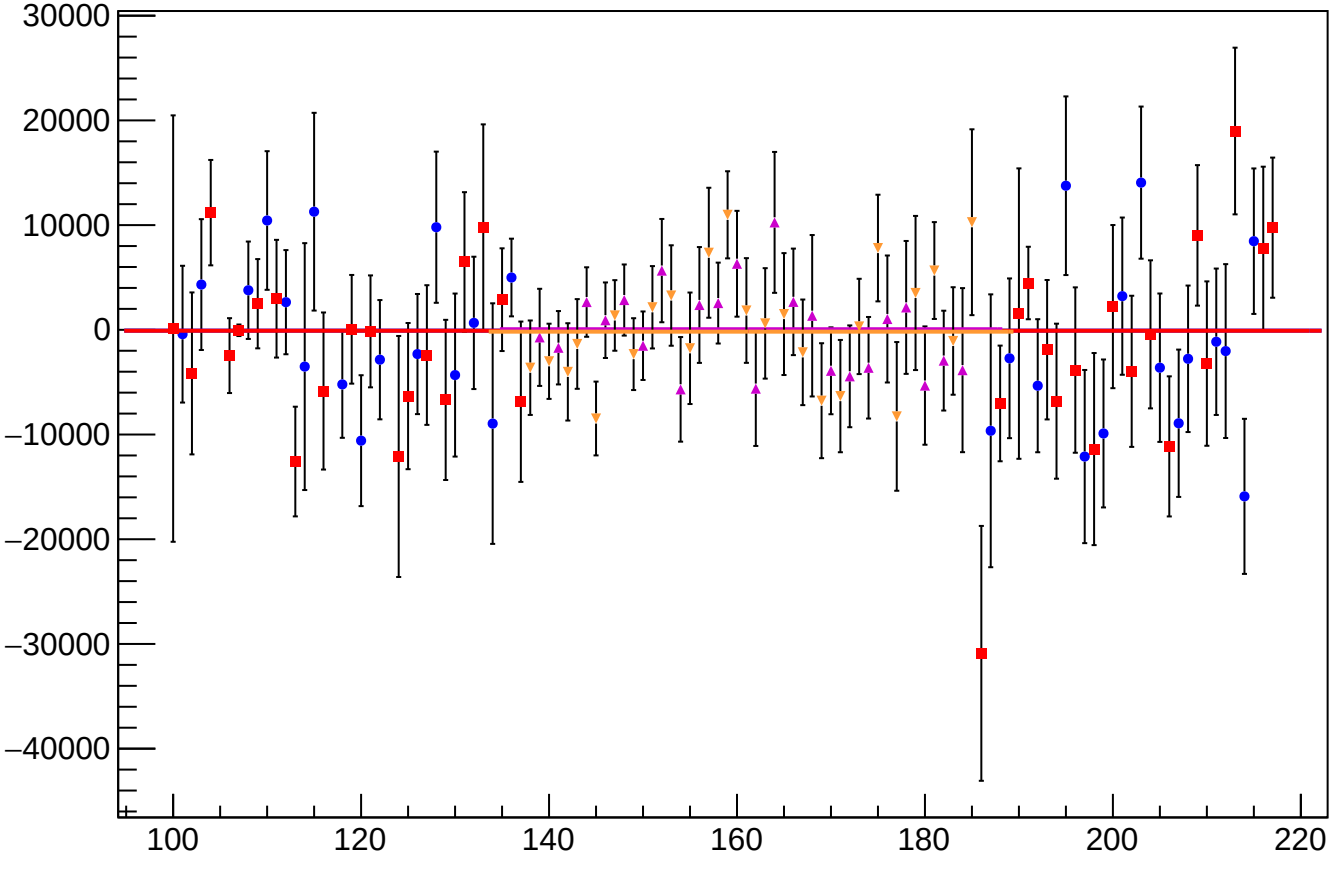
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1764.311+/-0.201 χ^2/NDF: 440667.3/55

All: 1768.805+/-0.143 χ^2/NDF: 1152621.0/11

- sign 1773.353+/-0.202 χ^2/NDF: 710949.5/58

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: -76.241+/-1186.275 χ^2/NDF: 34.6/30

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -88.183+/-489.220 χ^2/NDF: 45.0/35

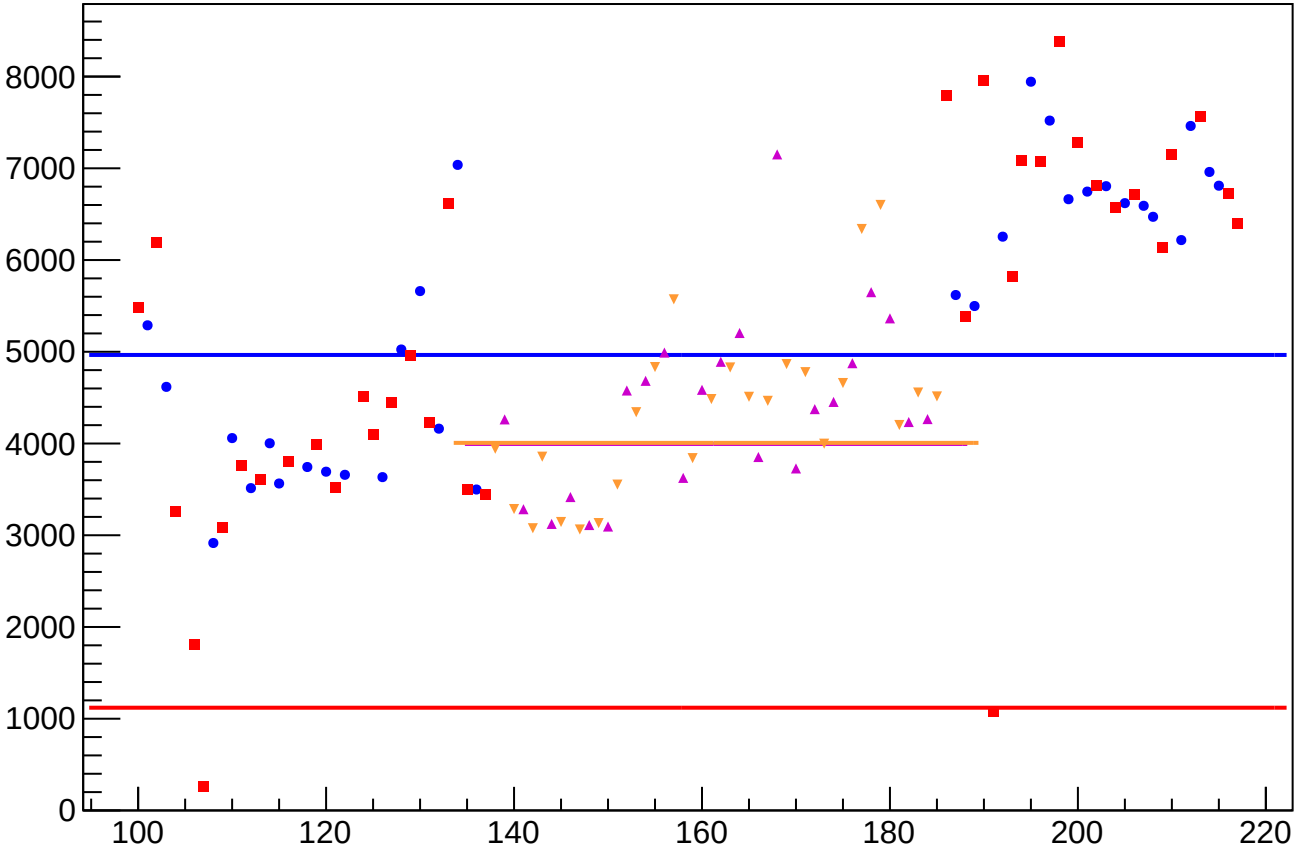
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -137.616+/-734.394 χ^2/NDF: 62.5/55

All: -78.866+/-374.617 χ^2/NDF: 121.8/114

- sign -58.202+/-435.545 χ^2/NDF: 59.3/58

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4965.362+/-0.839 χ^2/NDF: 3229713.7/30

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

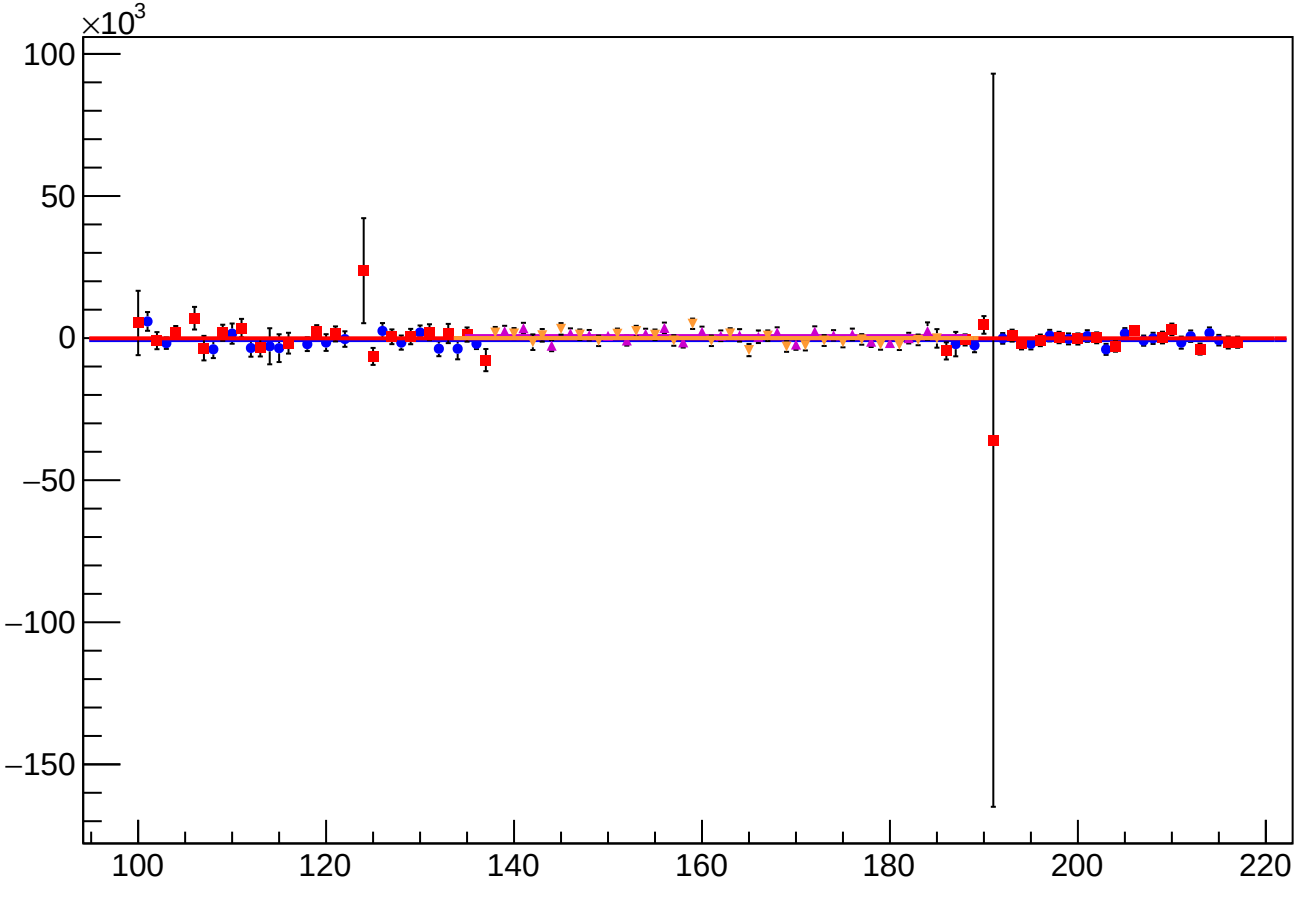
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4374.291+/-0.519 χ^2/NDF: 5538481.0/55

All: 2407.919+/-0.265 χ^2/NDF: 70769286.7/1

- sign 1716.292+/-0.308 χ^2/NDF: 45849101.5/58

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -698.510+/-418.624 χ^2/NDF: 21.6/30

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -76.431+/-413.837 χ^2/NDF: 38.9/35

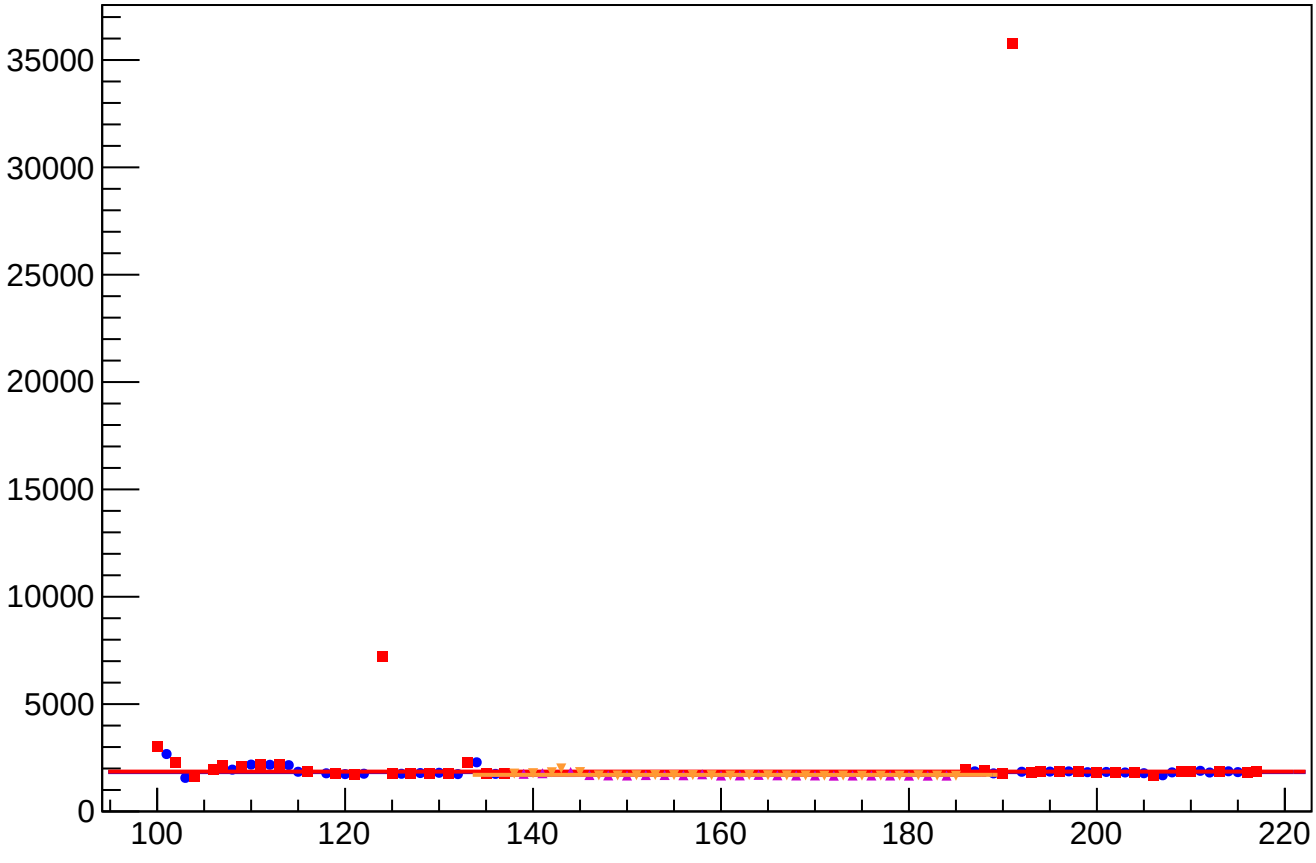
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -310.054+/-284.463 χ^2/NDF: 52.7/55

All: 12.178+/-201.786 χ^2/NDF: 115.2/114

- sign 338.544+/-286.282 χ^2/NDF: 59.9/58

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1832.710+/-0.296 χ^2/NDF: 281543.0/30

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

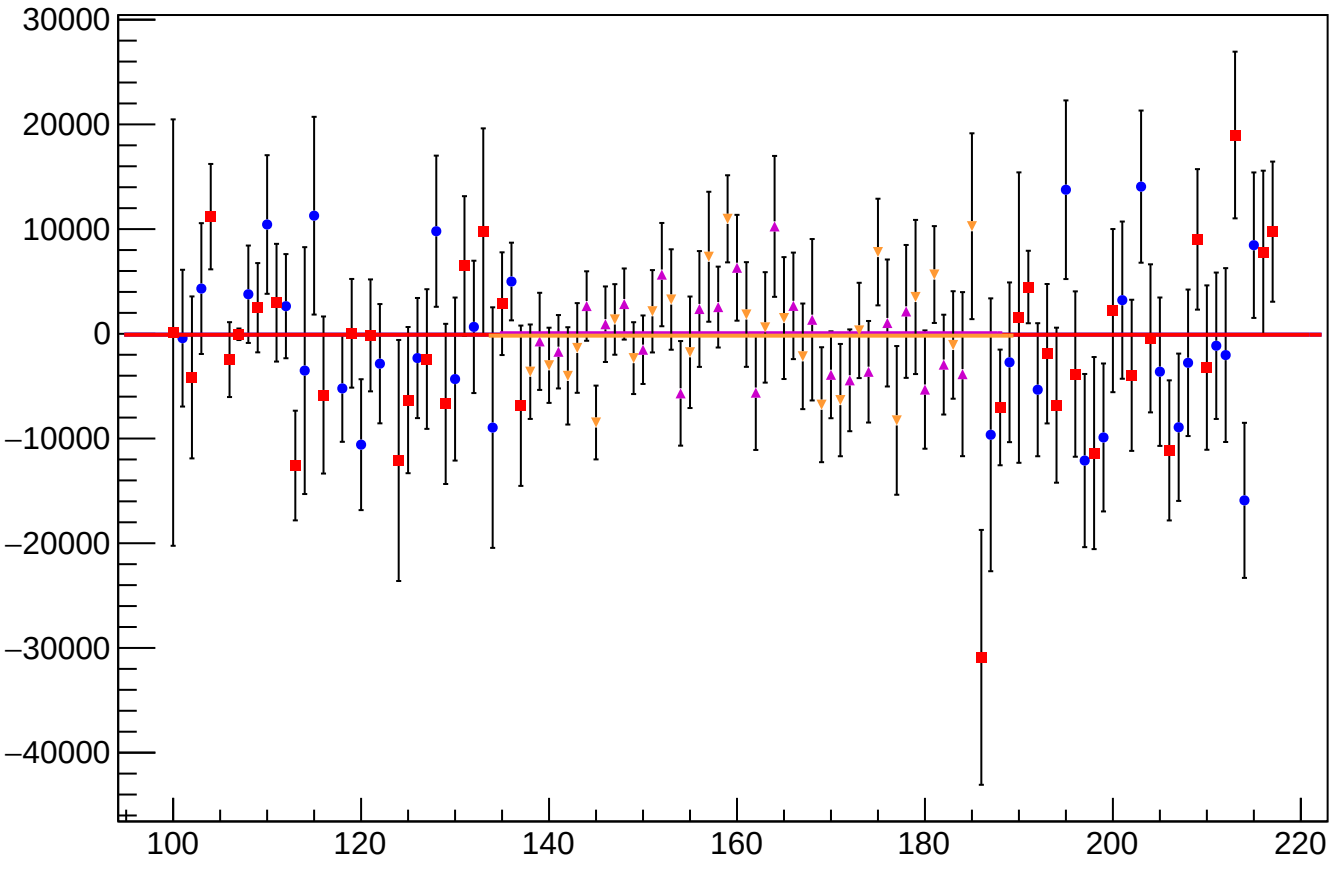
Right Out: 1855.871+/-0.292 χ^2/NDF: 536981.7/35

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1764.311+/-0.201 χ^2/NDF: 440667.3/55

All: 1768.805+/-0.143 χ^2/NDF: 1152621.0/11

- sign 1773.353+/-0.202 χ^2/NDF: 710949.5/58



Right In: -76.241+/-1186.275 χ^2/NDF: 34.6/30

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -88.183+/-489.220 χ^2/NDF: 45.0/35

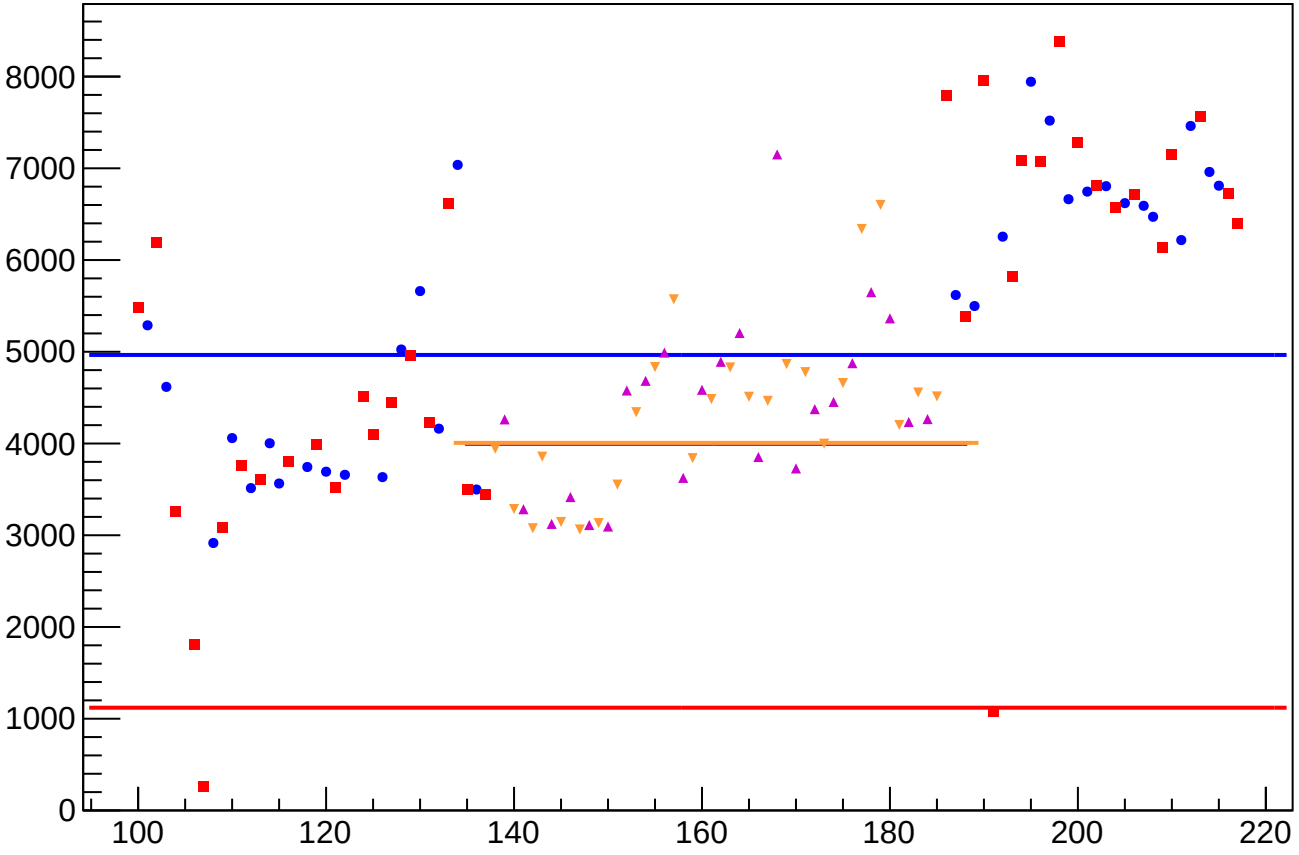
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -137.616+/-734.394 χ^2/NDF: 62.5/55

All: -78.866+/-374.617 χ^2/NDF: 121.8/114

- sign -58.202+/-435.545 χ^2/NDF: 59.3/58

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4965.362+/-0.839 χ^2/NDF: 3229713.7/30

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1120.049+/-0.346 χ^2/NDF: 29986763.8/35

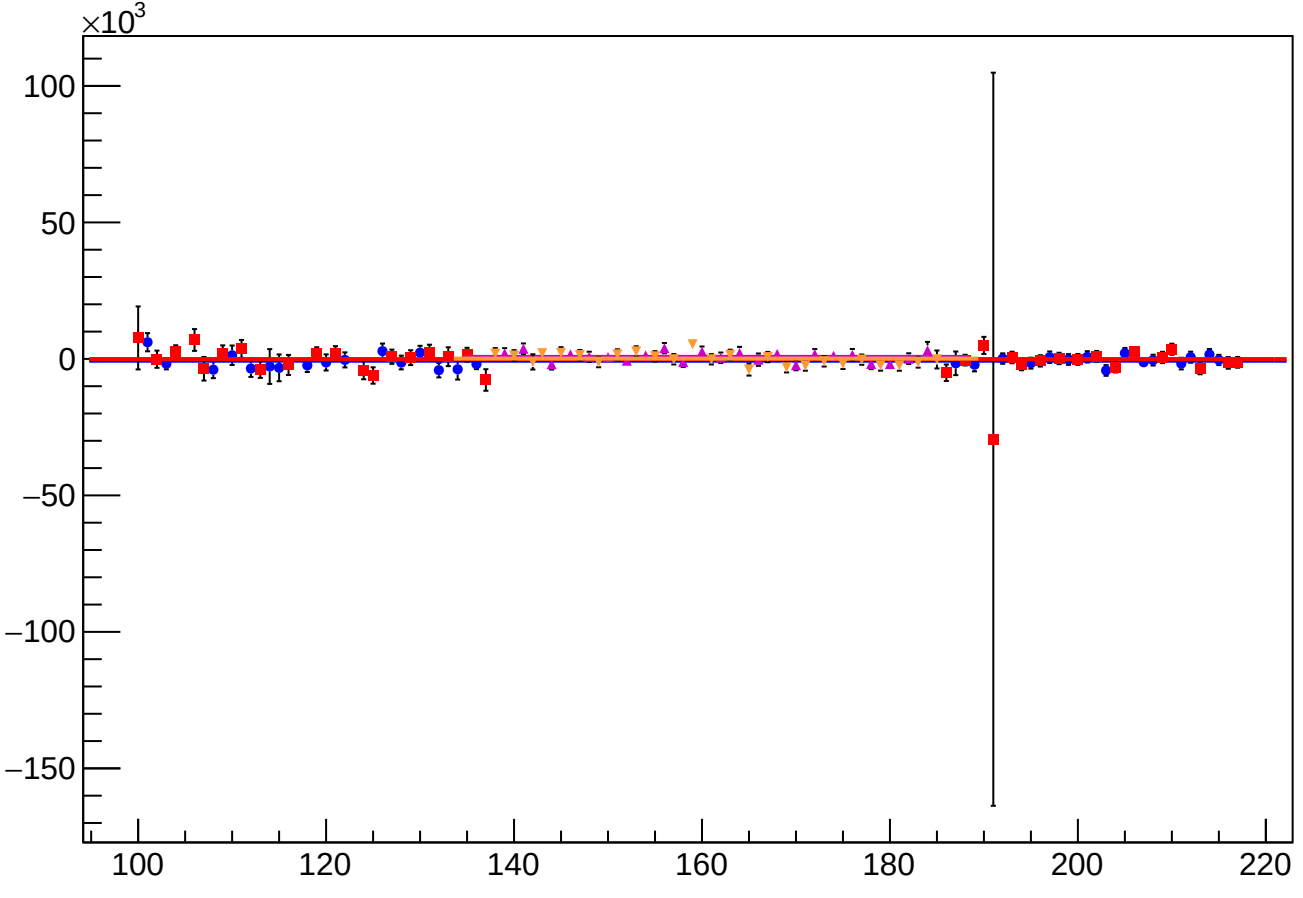
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4374.291+/-0.519 χ^2/NDF: 5538481.0/55

All: 2407.919+/-0.265 χ^2/NDF: 70769286.7/1

- sign 1716.292+/-0.308 χ^2/NDF: 45849101.5/58

dit_asym_atl1r2_dd_mean vs Slug



Right In: -661.609+/-422.701 χ^2/NDF: 22.6/30

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -54.315+/-415.486 χ^2/NDF: 40.2/35

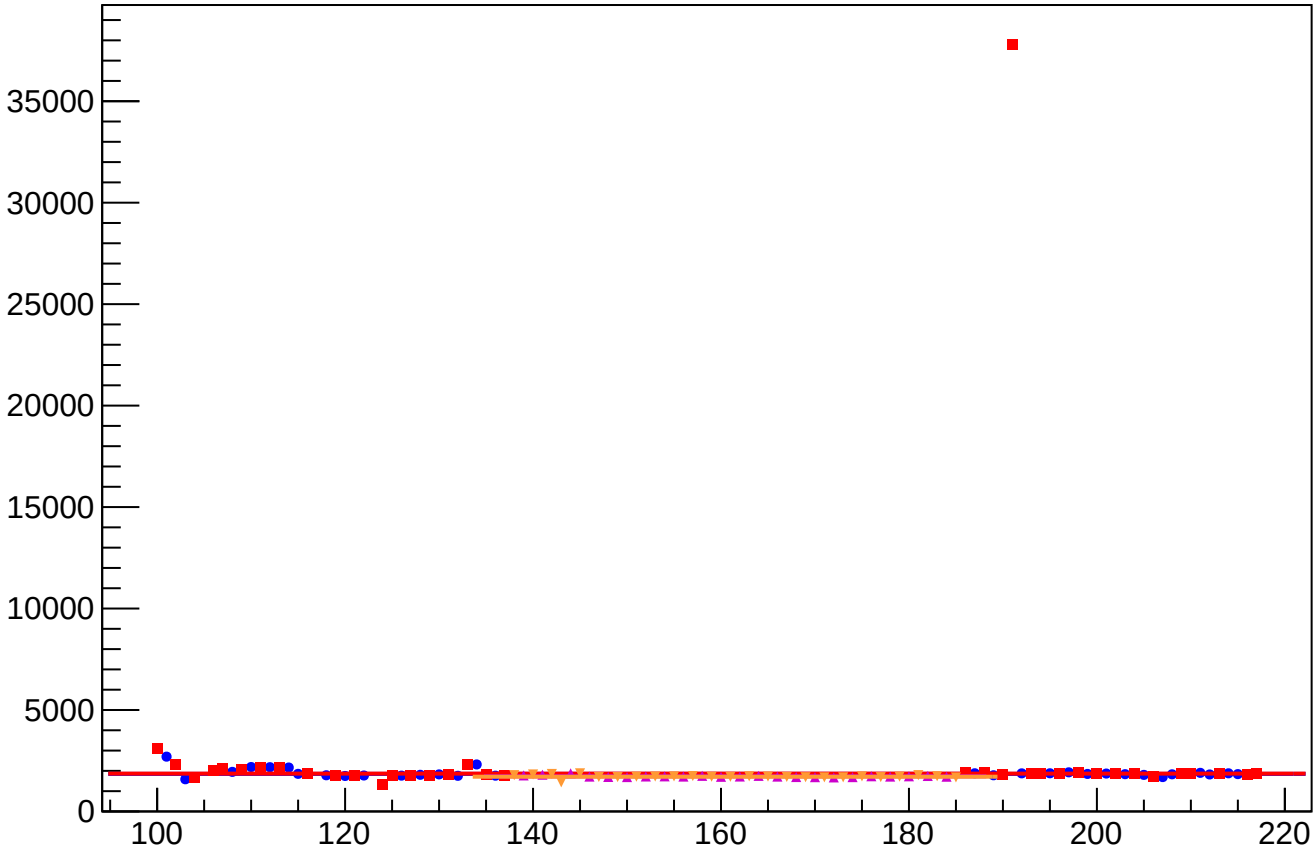
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -238.888+/-286.421 χ^2/NDF: 54.2/55

All: 54.387+/-203.681 χ^2/NDF: 117.4/114

- sign 354.427+/-289.706 χ^2/NDF: 61.1/58

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.376+/-0.299 χ^2/NDF: 281161.5/30

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.655+/-0.294 χ^2/NDF: 431355.2/35

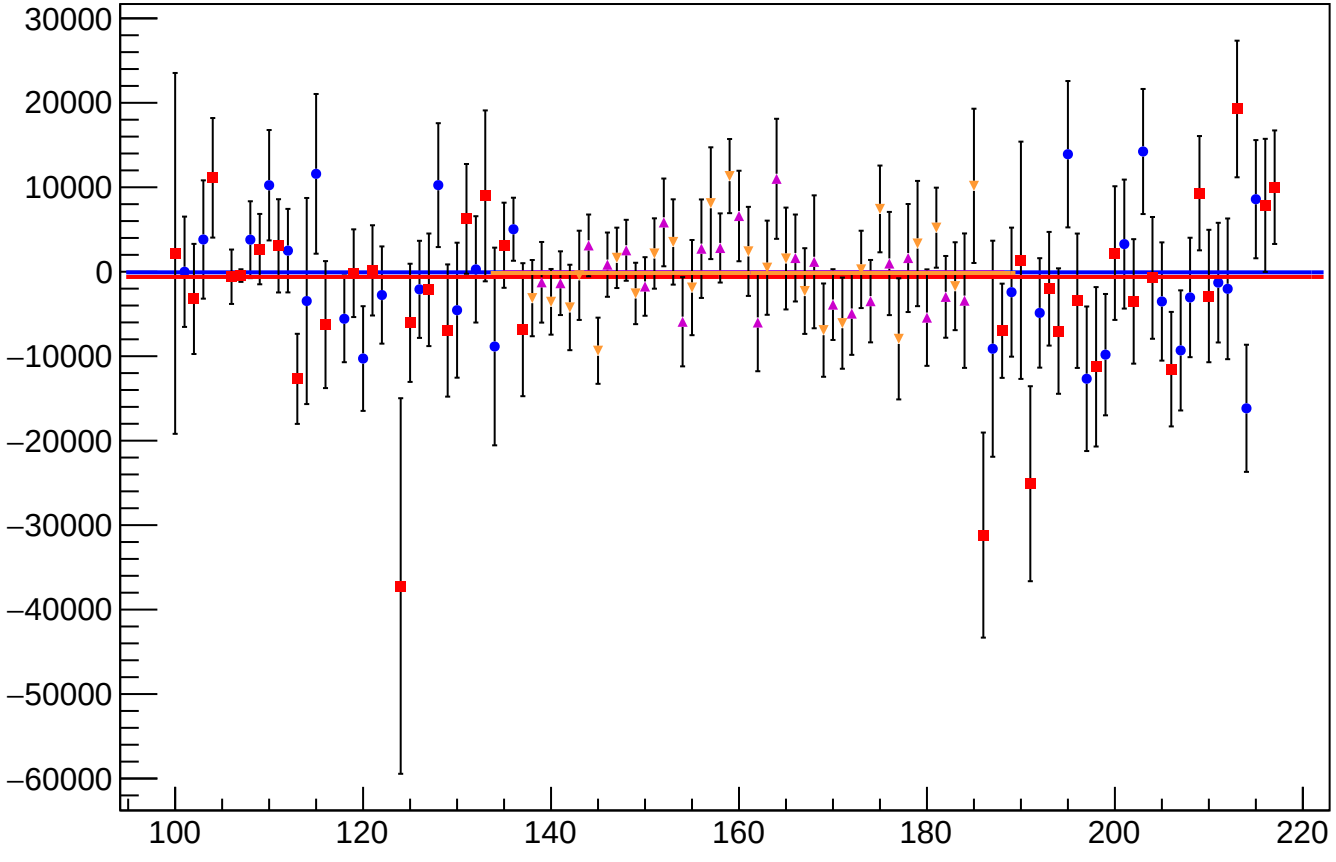
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1775.701+/-0.203 χ^2/NDF: 490965.7/55

All: 1785.569+/-0.144 χ^2/NDF: 1057620.9/11

- sign 1795.663+/-0.205 χ^2/NDF: 561852.7/58

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: -70.680+/-1196.328 χ^2/NDF: 34.3/30

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -618.103+/-621.147 χ^2/NDF: 46.1/35

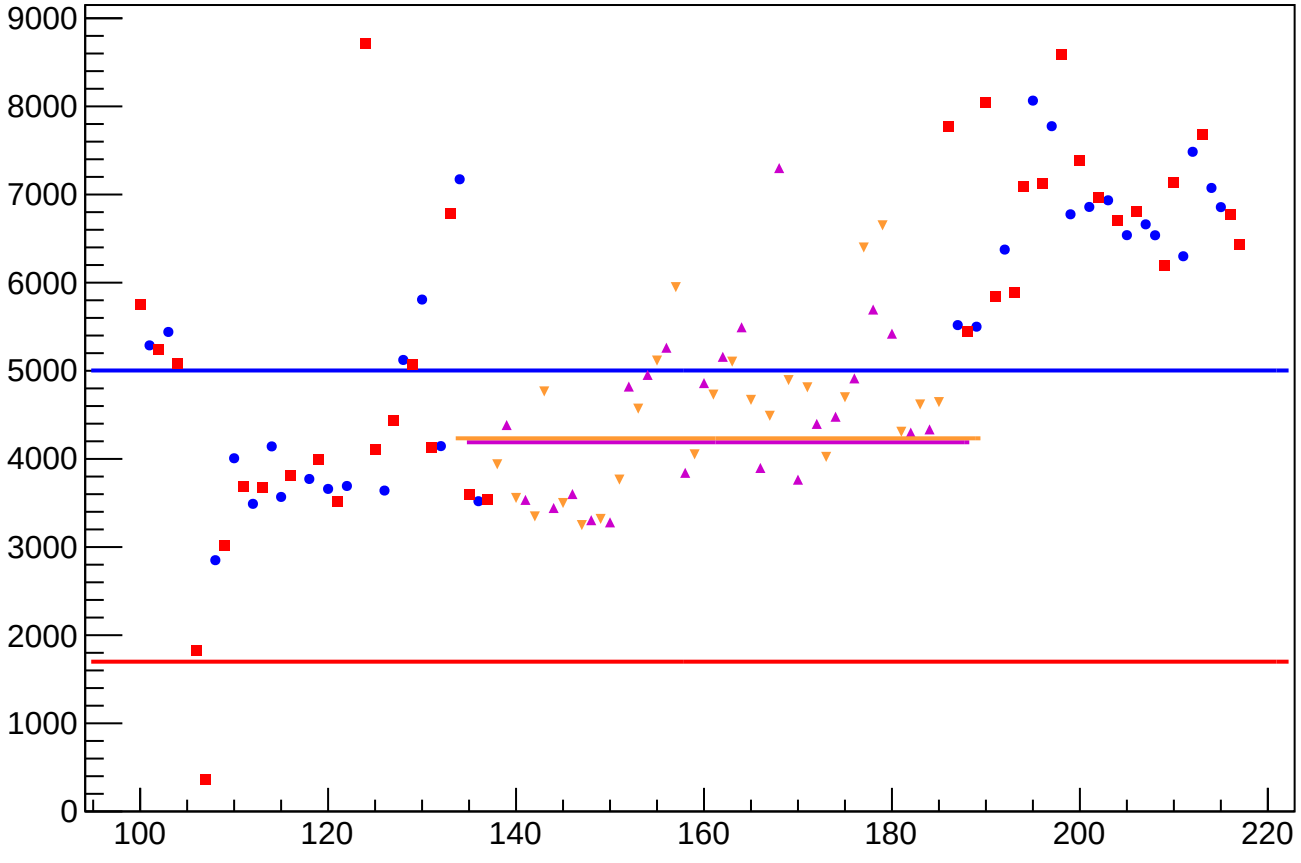
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -118.054+/-760.410 χ^2/NDF: 61.2/55

All: -351.687+/-433.511 χ^2/NDF: 121.7/114

- sign -464.186+/-527.659 χ^2/NDF: 60.4/58

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 5003.407+/-0.846 χ^2/NDF: 3388611.3/30

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

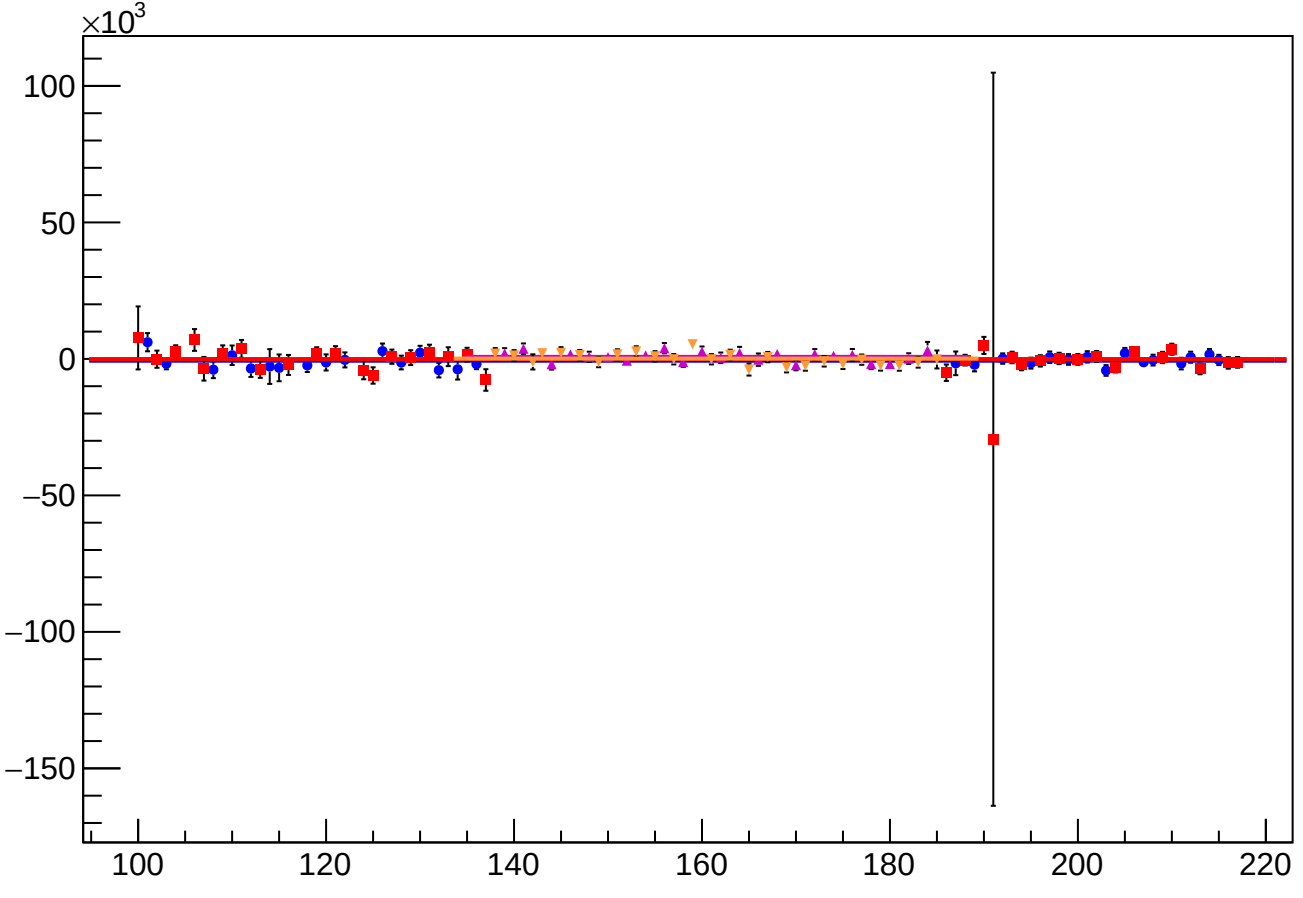
Right Out: 1699.450+/-0.439 χ^2/NDF: 26155173.8/35

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4544.794+/-0.538 χ^2/NDF: 5166552.5/55

All: 3091.975+/-0.307 χ^2/NDF: 52424633.5/1

- sign 2392.418+/-0.373 χ^2/NDF: 36442151.2/58



Right In: -661.607+/-422.701 χ^2/NDF: 22.6/30

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -54.313+/-415.486 χ^2/NDF: 40.2/35

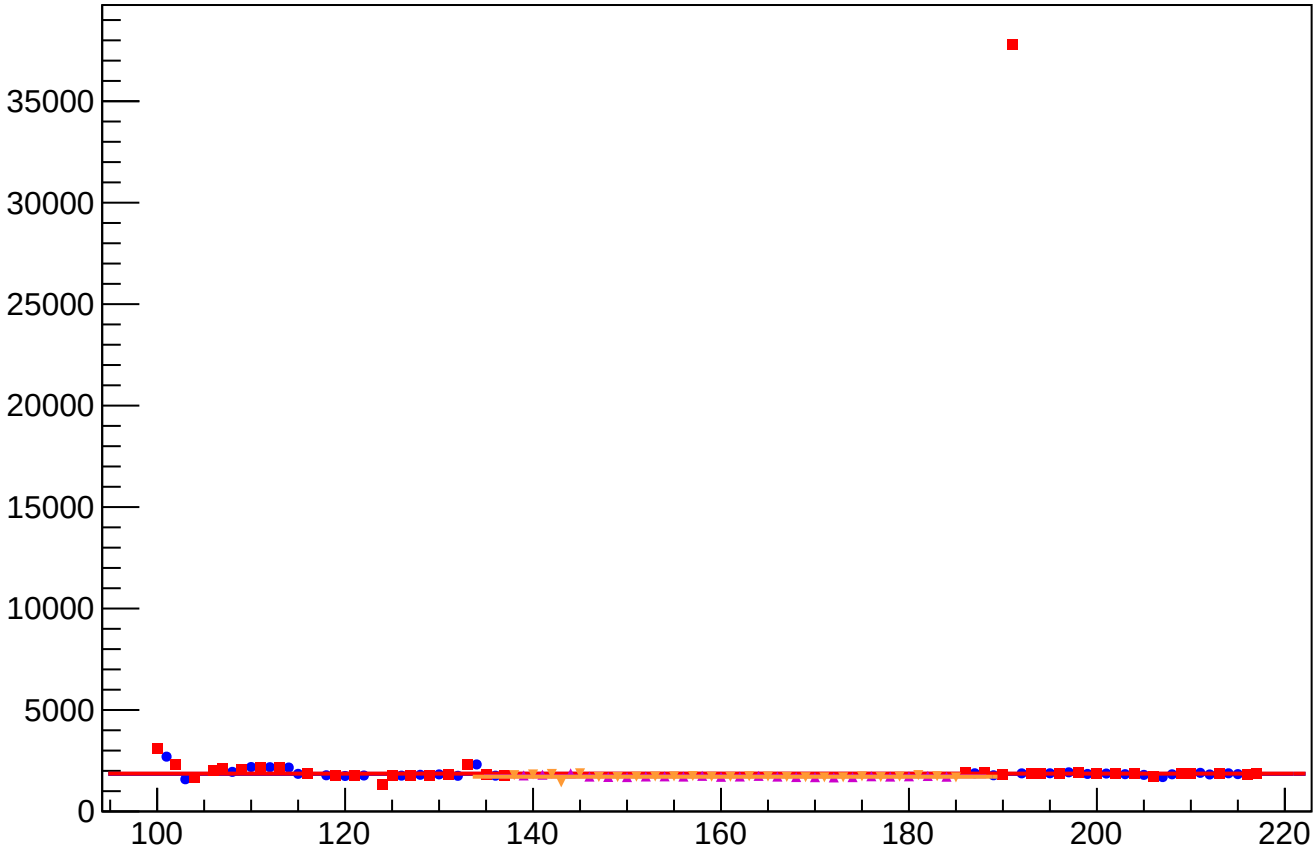
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -238.886+/-286.421 χ^2/NDF: 54.2/55

All: 54.388+/-203.682 χ^2/NDF: 117.4/114

- sign 354.427+/-289.706 χ^2/NDF: 61.1/58

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.376+/-0.299 χ^2/NDF: 281161.4/30

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

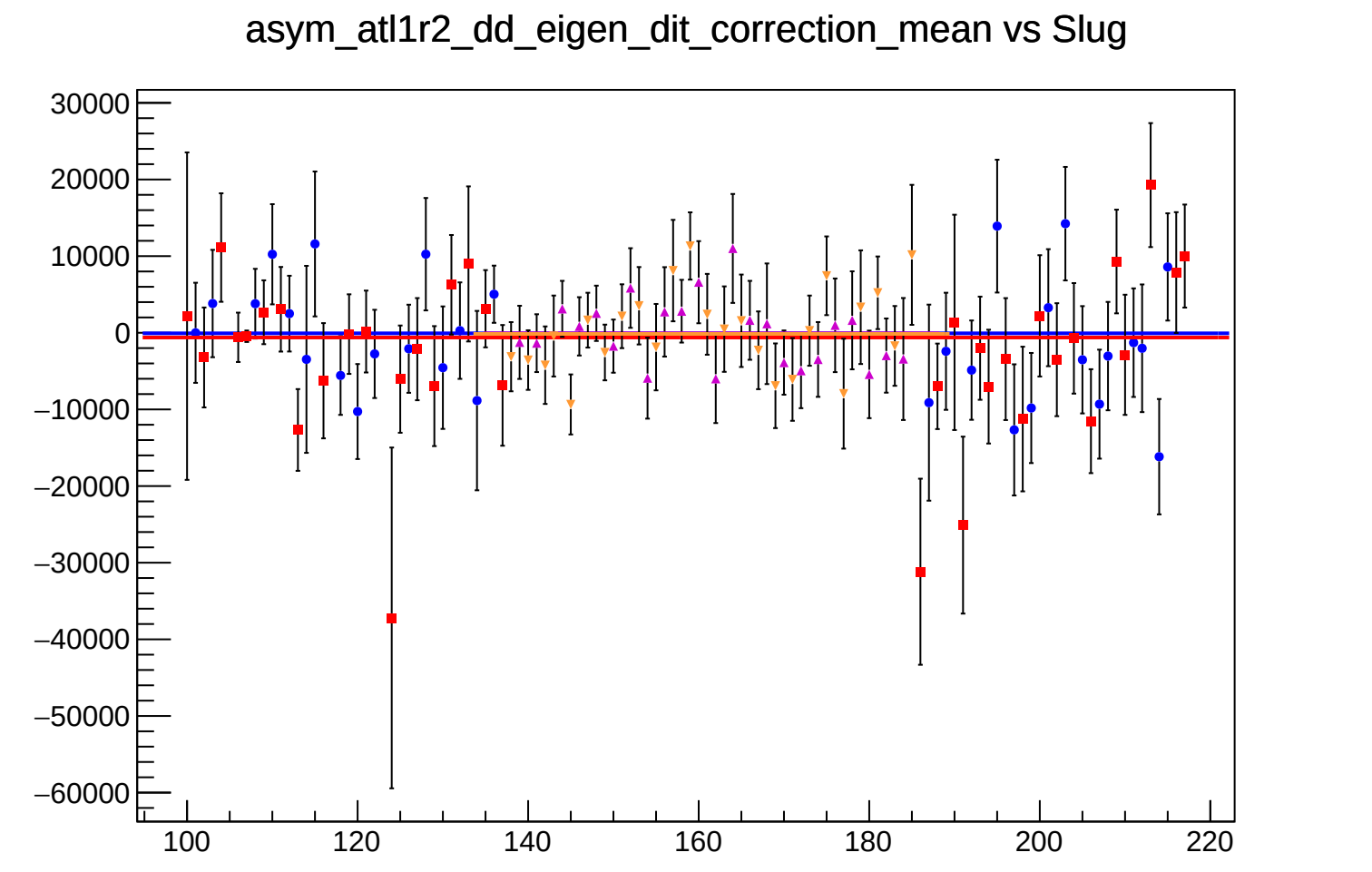
Right Out: 1864.655+/-0.294 χ^2/NDF: 431355.5/35

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1775.701+/-0.203 χ^2/NDF: 490963.6/55

All: 1785.570+/-0.144 χ^2/NDF: 1057618.4/11

- sign 1795.663+/-0.205 χ^2/NDF: 561852.3/58



Right In: -70.689+/-1196.328 χ^2/NDF: 34.3/30

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -618.113+/-621.157 χ^2/NDF: 46.1/35

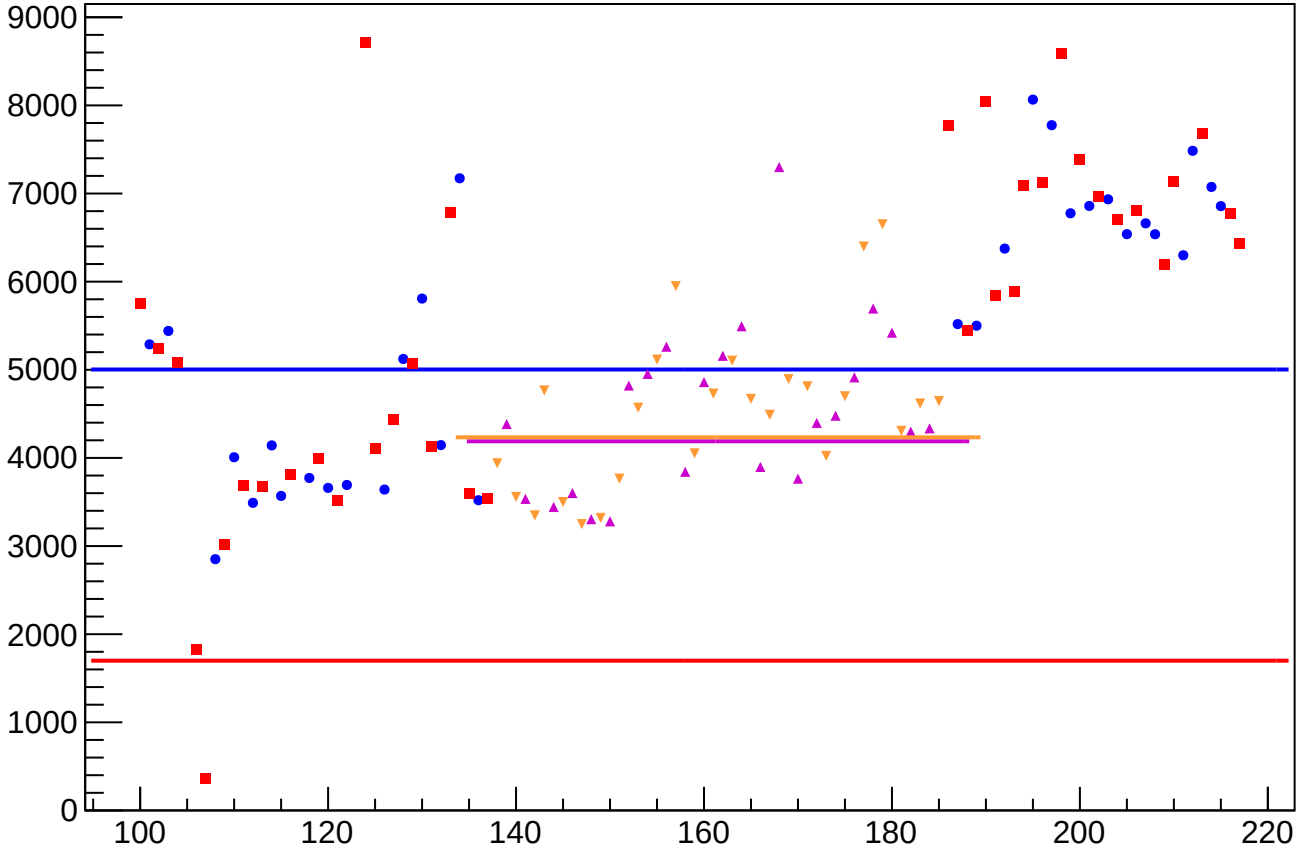
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -118.058+/-760.410 χ^2/NDF: 61.2/55

All: -351.690+/-433.514 χ^2/NDF: 121.7/114

- sign -464.190+/-527.665 χ^2/NDF: 60.4/58

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 5003.403+/-0.846 χ^2/NDF: 3388637.6/30

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1699.495+/-0.439 χ^2/NDF: 26154821.7/35

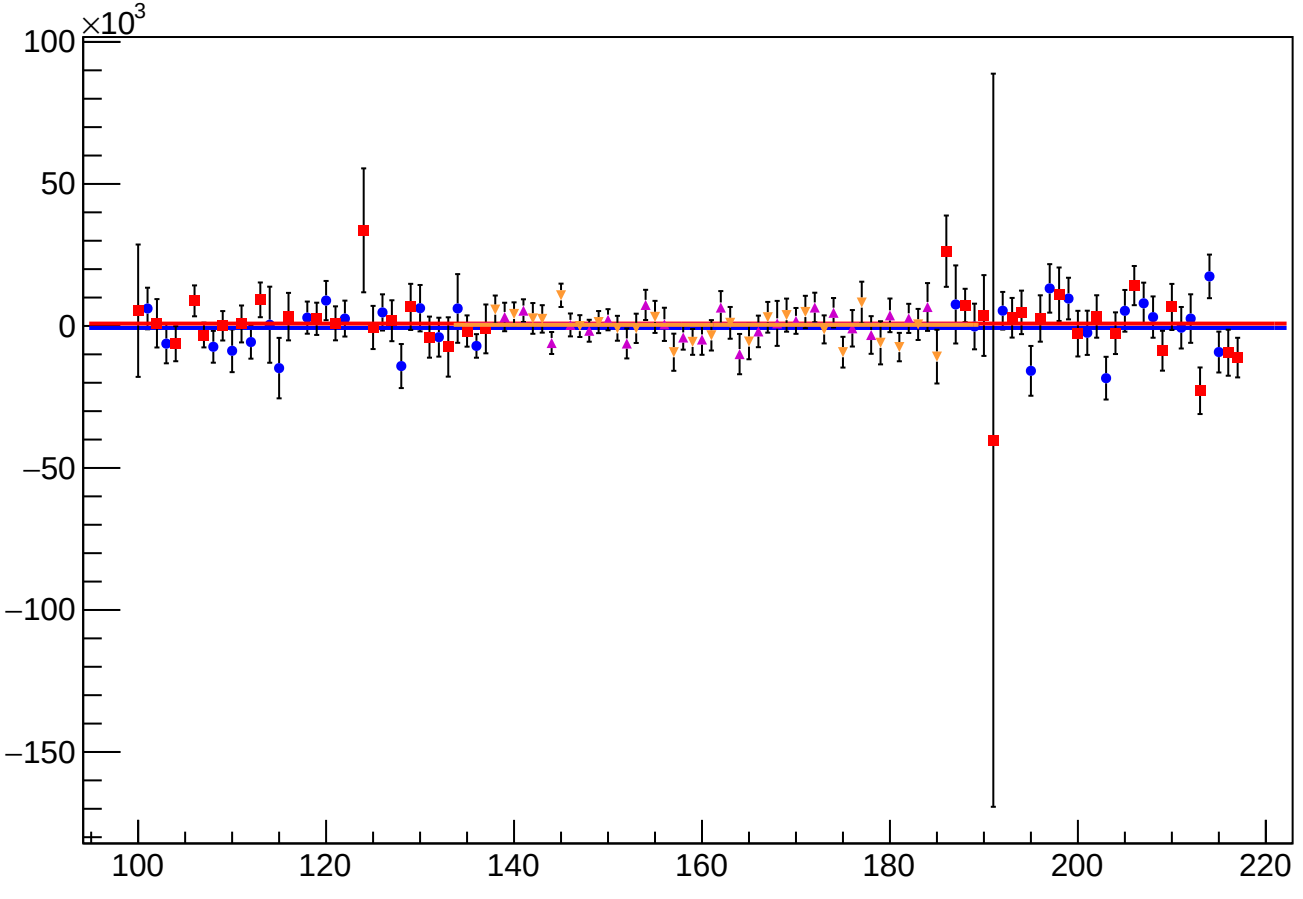
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4544.796+/-0.538 χ^2/NDF: 5166568.1/55

All: 3092.018+/-0.307 χ^2/NDF: 52423389.3/1

- sign 2392.466+/-0.373 χ^2/NDF: 36441430.4/58

asym_atl1r2_dd_mean vs Slug



Right In: -712.567+/-1290.423 χ^2/NDF: 40.4/30

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 830.076+/-1211.701 χ^2/NDF: 37.2/35

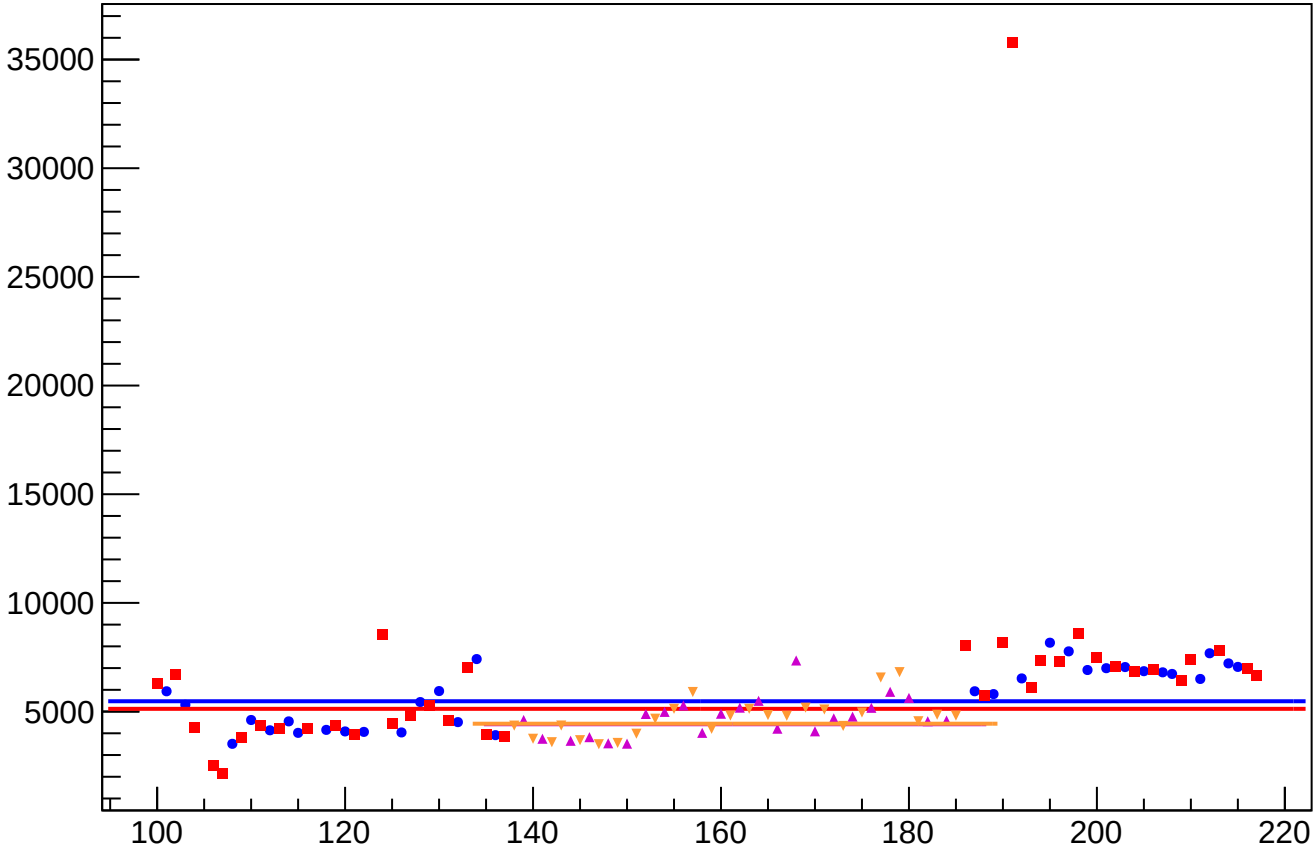
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -33.184+/-804.256 χ^2/NDF: 65.6/55

All: 309.623+/-564.811 χ^2/NDF: 120.5/114

- sign 643.223+/-793.382 χ^2/NDF: 54.5/58

asym_atl1r2_dd_rms vs Slug



Right In: 5474.522+/-0.912 χ^2/NDF: 2401683.2/30

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5125.151+/-0.852 χ^2/NDF: 4402554.2/35

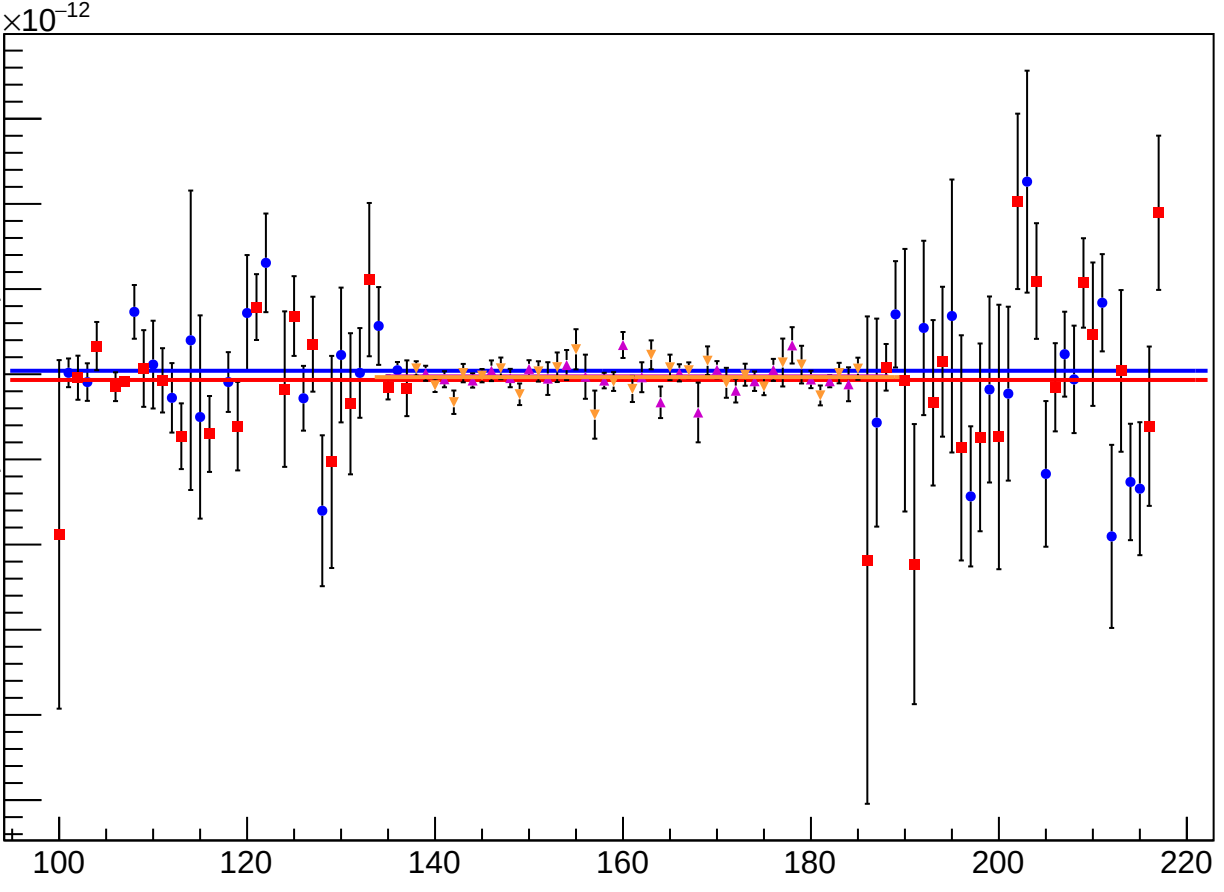
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4842.346+/-0.569 χ^2/NDF: 4259683.0/55

All: 4781.094+/-0.399 χ^2/NDF: 10191281.0/1

- sign 4721.802+/-0.560 χ^2/NDF: 5908768.1/58

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

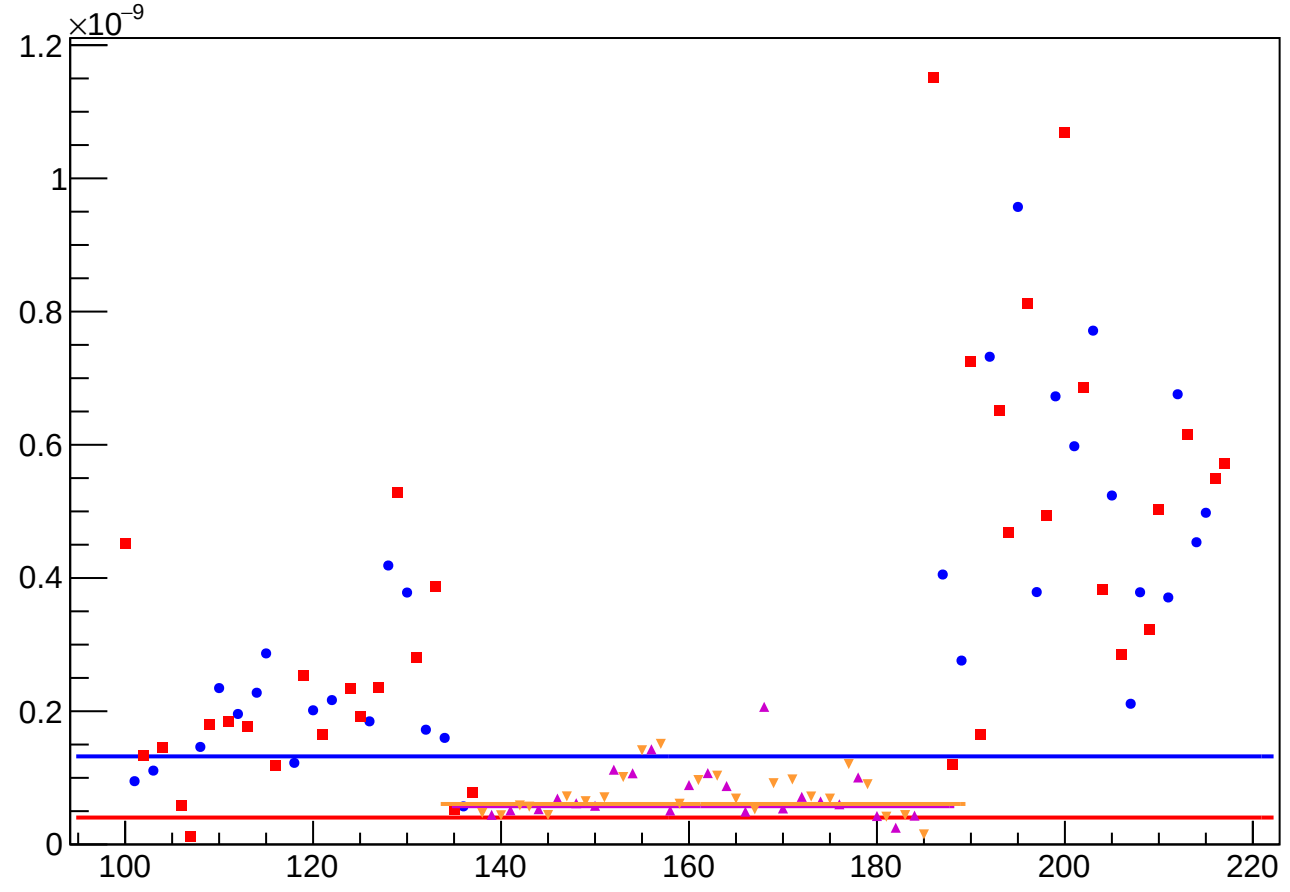
Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/35

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.4/55

All: -0.000+/-0.000 χ^2/NDF: 131.1/114

- sign -0.000+/-0.000 χ^2/NDF: 61.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 7530637.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13557186.5/35

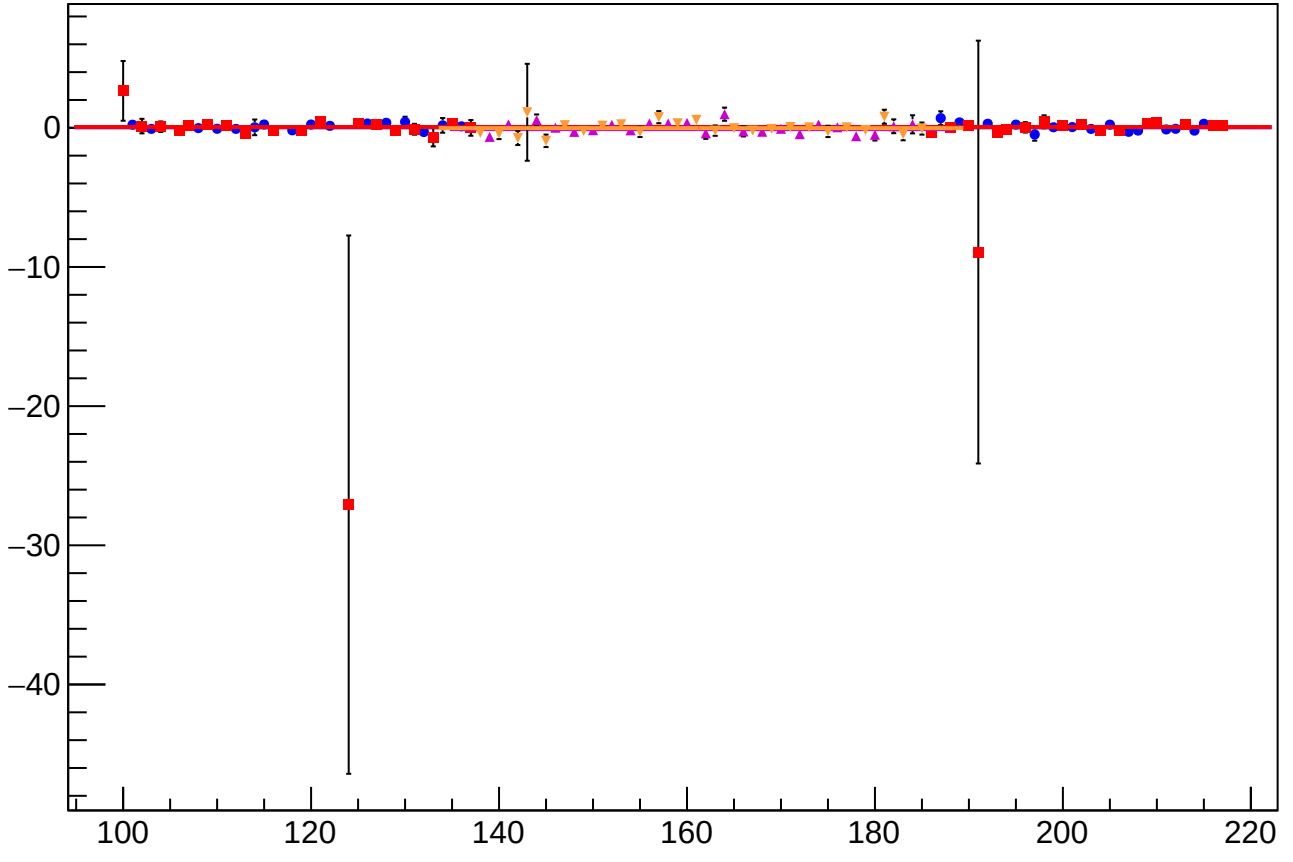
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11390505.7/55

All: 0.000+/-0.000 χ^2/NDF: 27927795.8/114

- sign 0.000+/-0.000 χ^2/NDF: 15784045.1/58

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

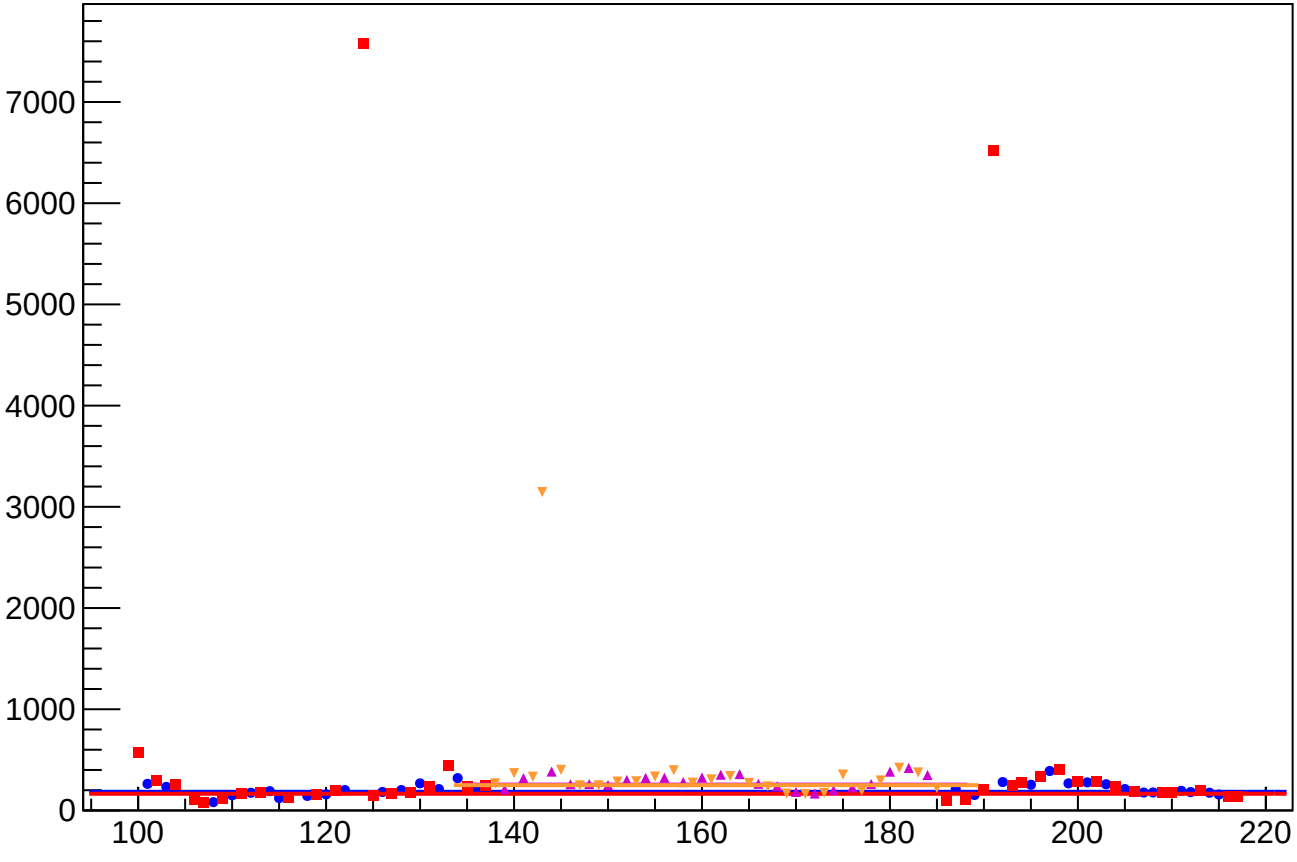
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.036 χ^2/NDF: 48.9/55

All: 0.013+/-0.025 χ^2/NDF: 122.0/114

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 184.191+/-0.032 χ^2/NDF: 3036564.7/30

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

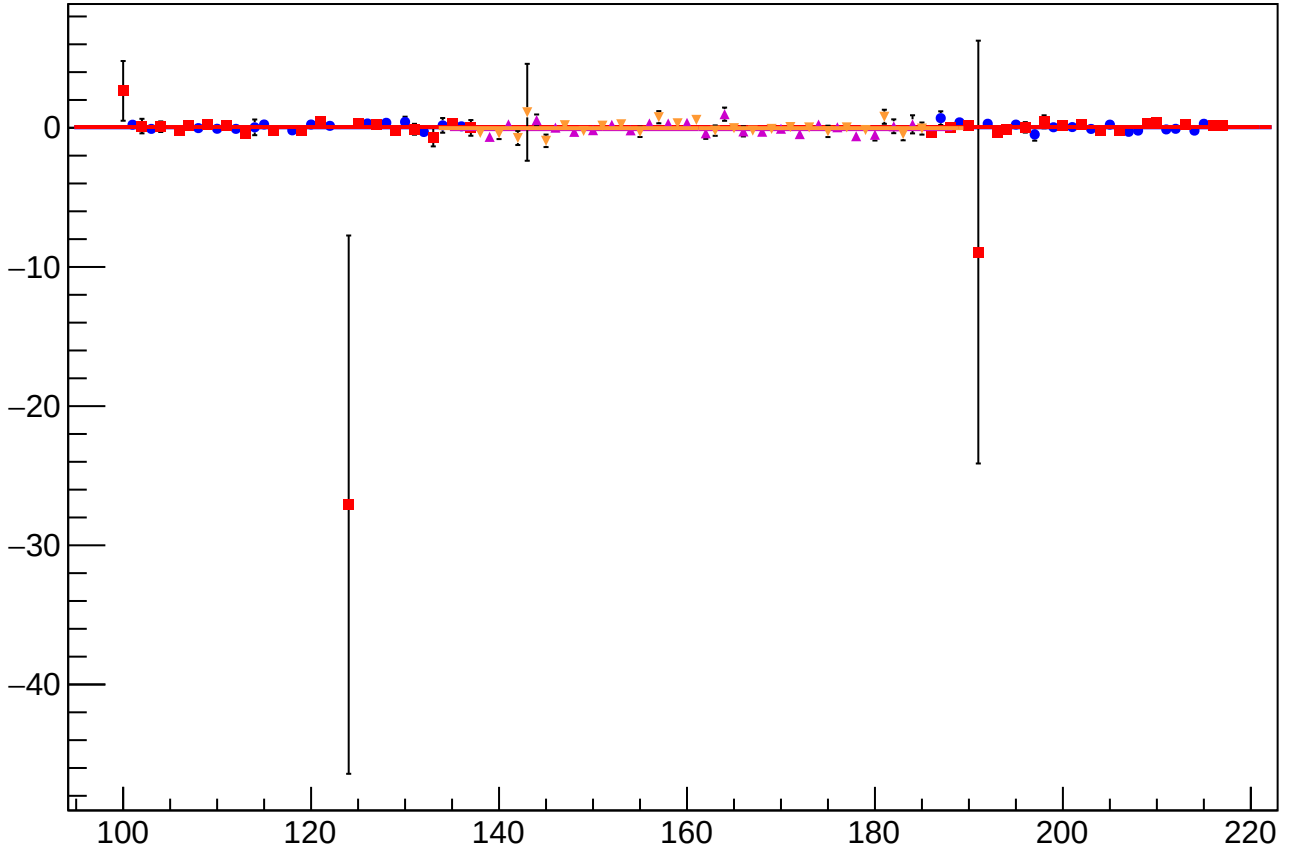
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 206.870+/-0.026 χ^2/NDF: 8757476.0/55

All: 198.672+/-0.018 χ^2/NDF: 19415591.1/11

- sign 191.412+/-0.024 χ^2/NDF: 10464867.9/58

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

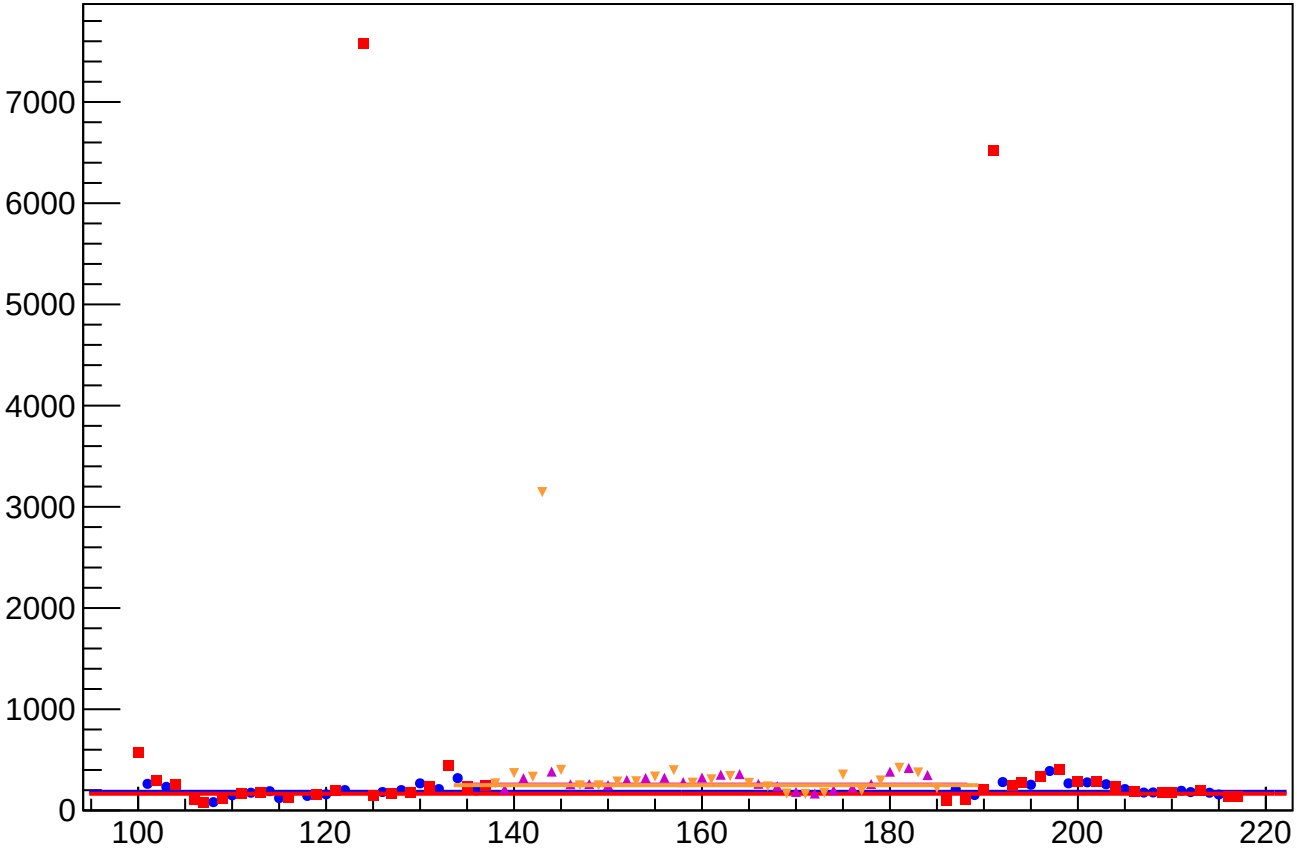
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.036 χ^2/NDF: 48.9/55

All: 0.013+/-0.025 χ^2/NDF: 122.0/114

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 184.191+/-0.032 χ^2/NDF: 3036564.7/30

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.987+/-0.029 χ^2/NDF: 5445989.2/35

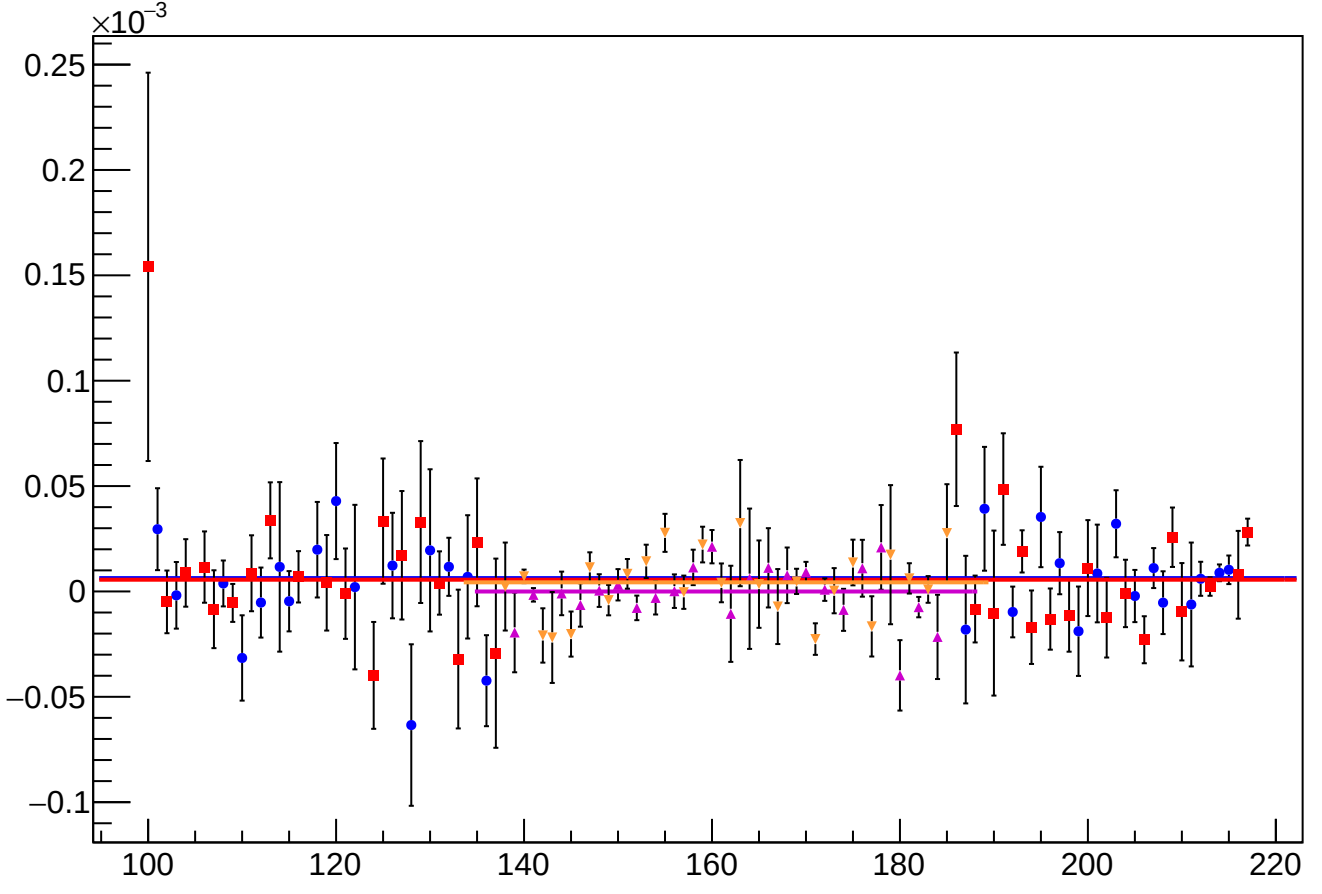
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 206.870+/-0.026 χ^2/NDF: 8757476.0/55

All: 198.672+/-0.018 χ^2/NDF: 19415591.1/11

- sign 191.412+/-0.024 χ^2/NDF: 10464867.9/58

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.7/35

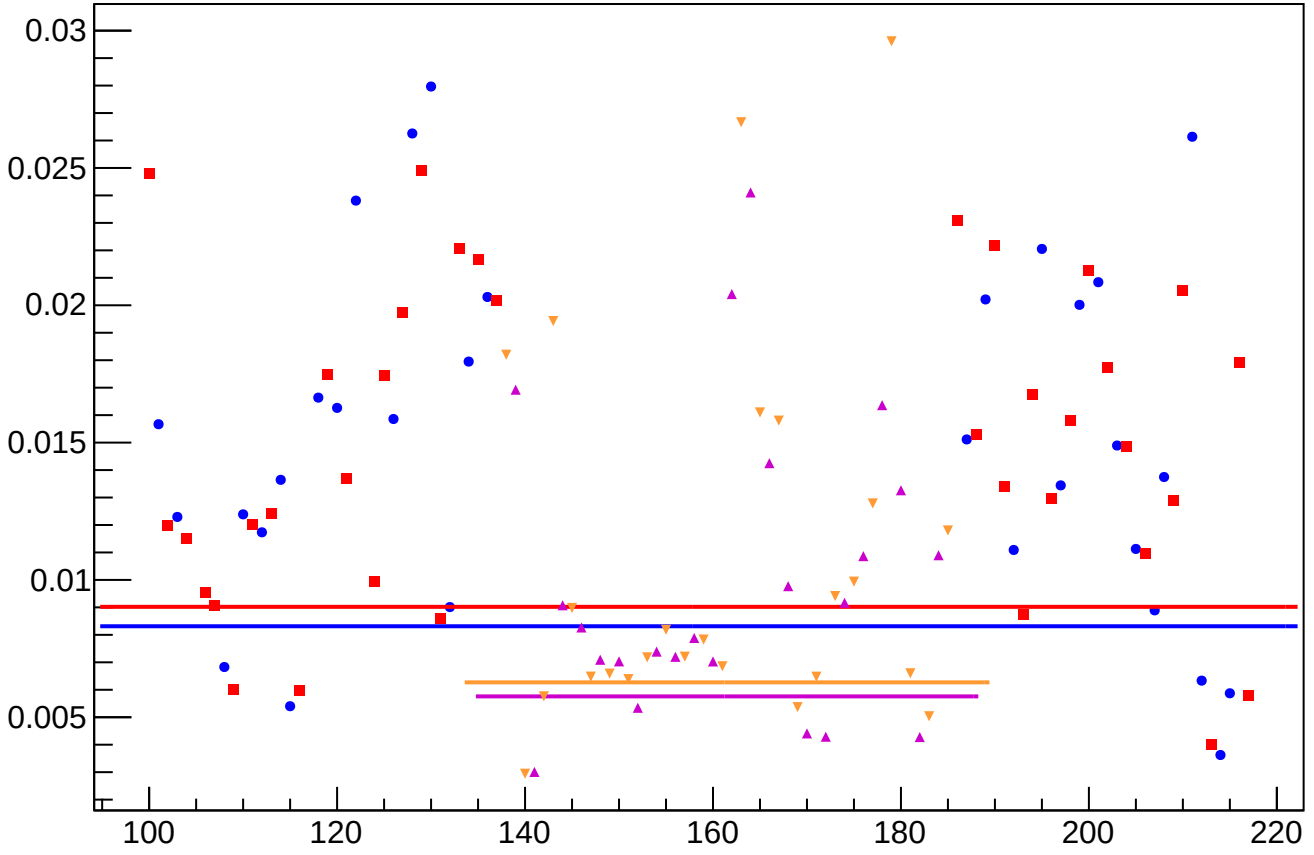
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.3/55

All: 0.000+/-0.000 χ^2/NDF: 163.0/114

- sign 0.000+/-0.000 χ^2/NDF: 84.7/58

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 10700413.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9807443.3/35

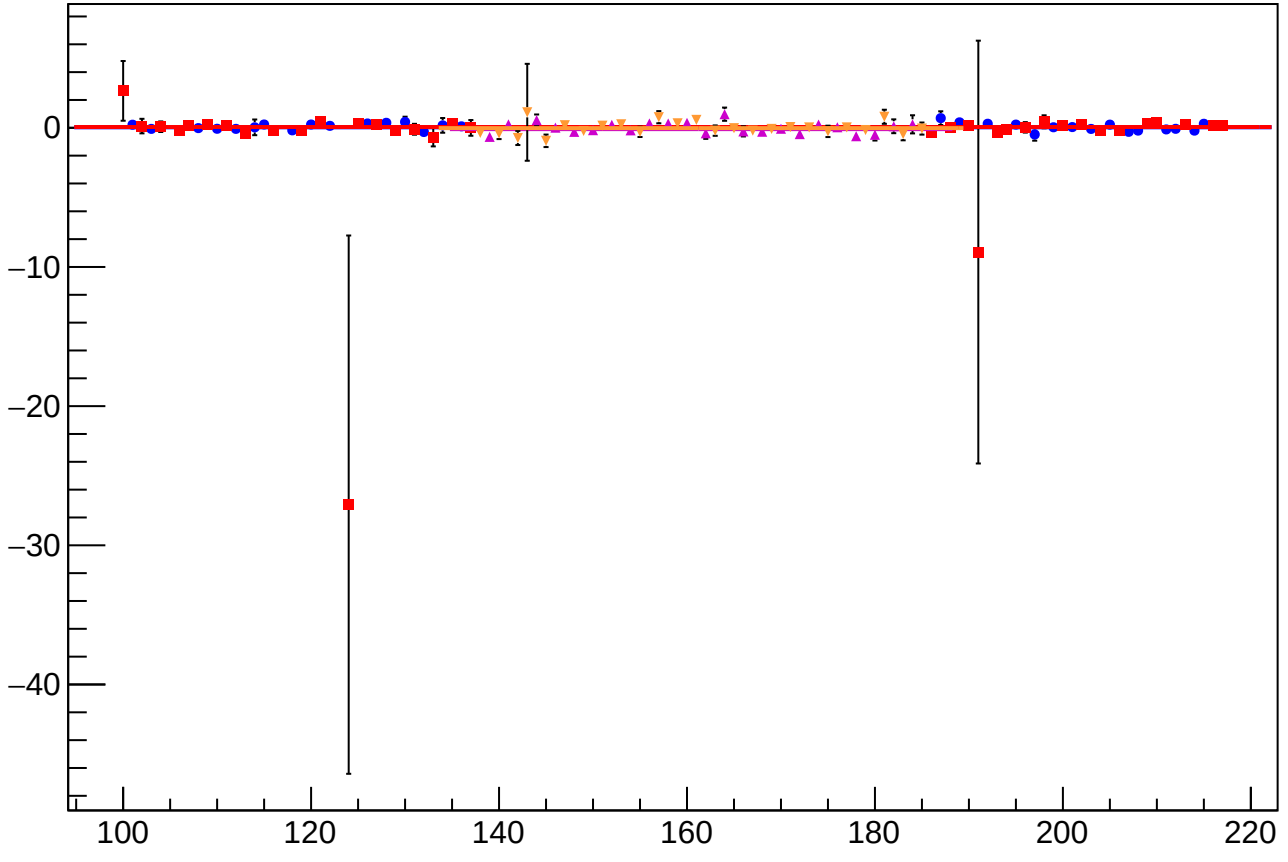
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

\+ sign 0.007+/-0.000 χ^2/NDF: 19651796.0/55

All: 0.007+/-0.000 χ^2/NDF: 39264711.7/114

\- sign 0.007+/-0.000 χ^2/NDF: 19596780.3/58

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

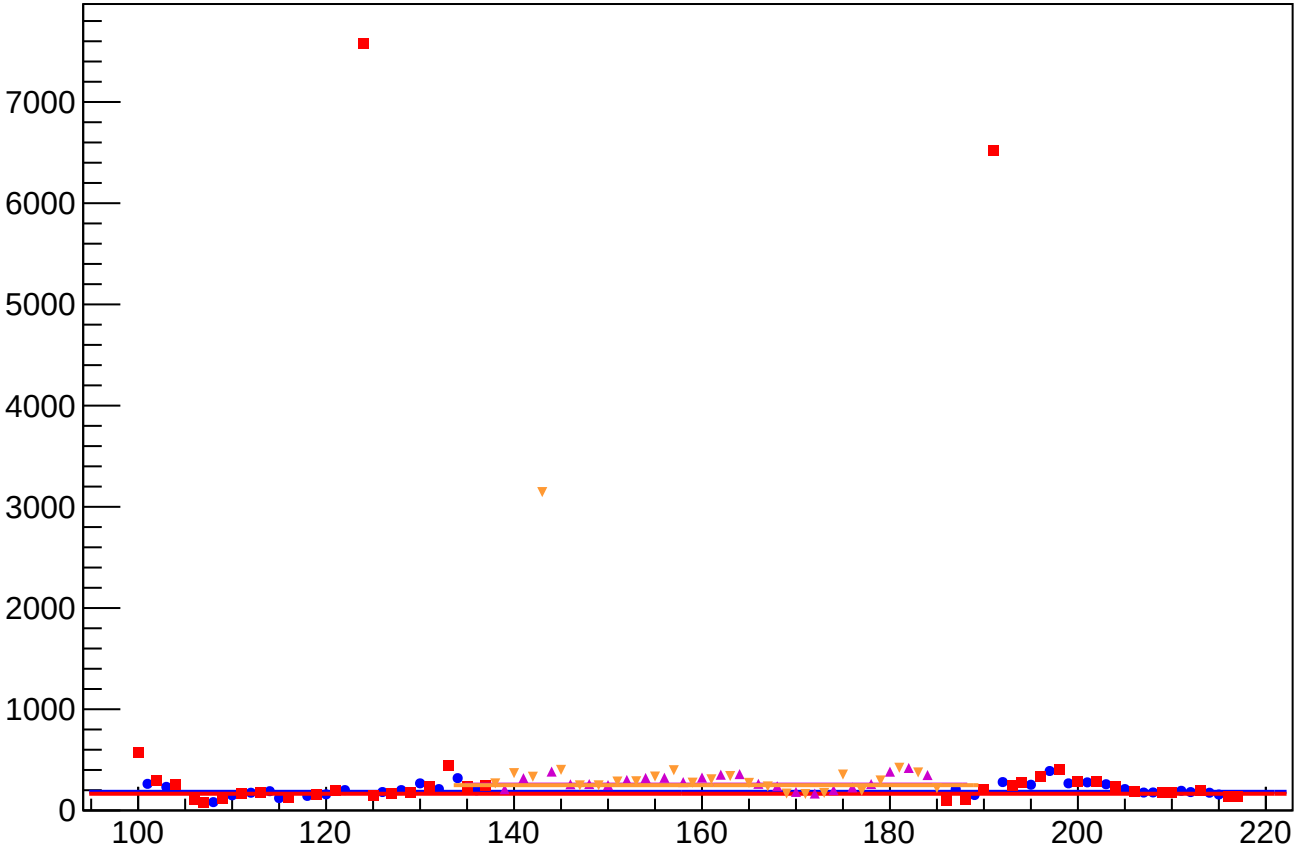
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.036 χ^2/NDF: 48.9/55

All: 0.013+/-0.025 χ^2/NDF: 122.0/114

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 184.191+/-0.032 χ^2/NDF: 3036637.2/30

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

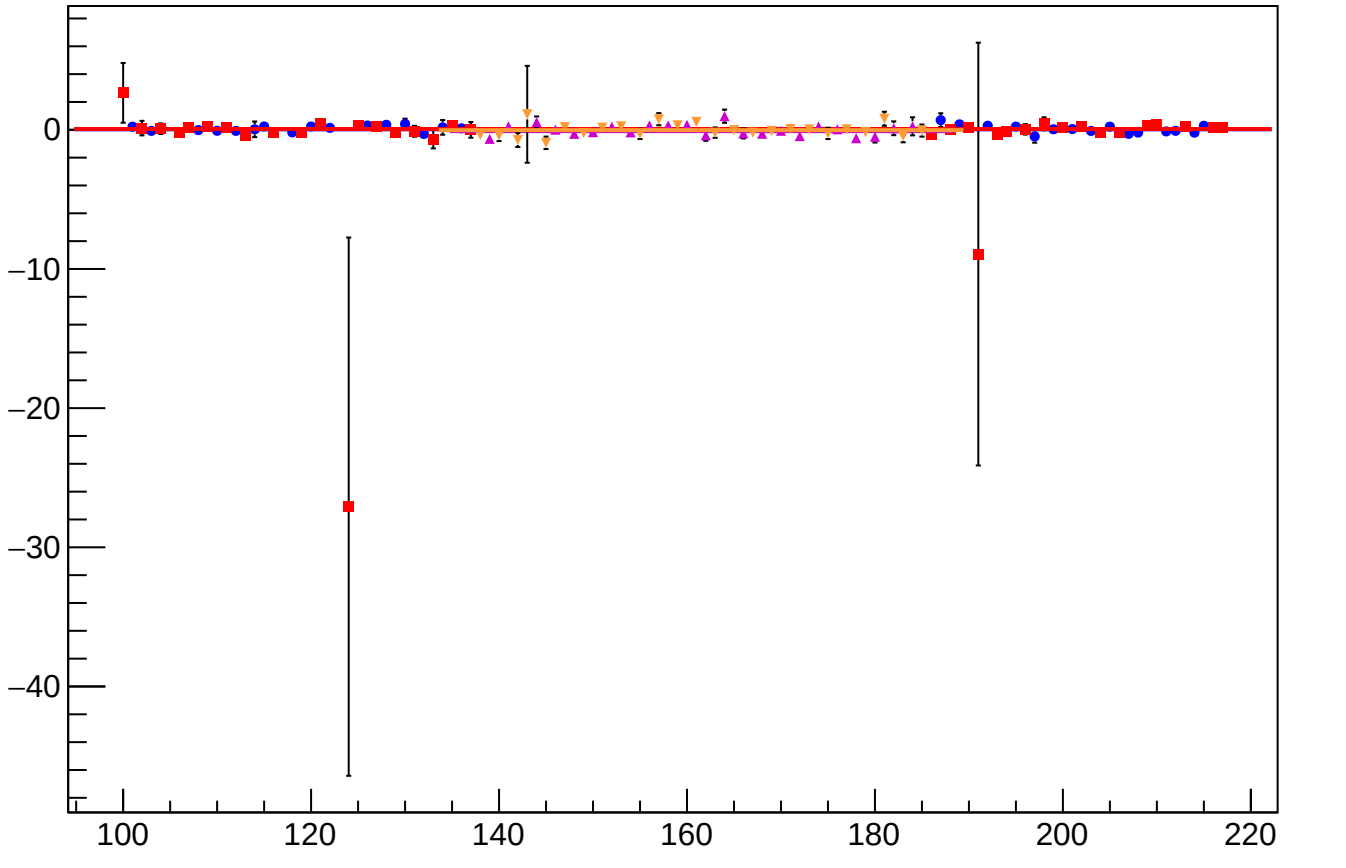
Right Out: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 206.869+/-0.026 χ^2/NDF: 8757741.6/55

All: 198.673+/-0.018 χ^2/NDF: 19415636.2/11

- sign 191.414+/-0.024 χ^2/NDF: 10464711.8/58



Right In: 0.036+/-0.045 χ^2/NDF: 24.7/30

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

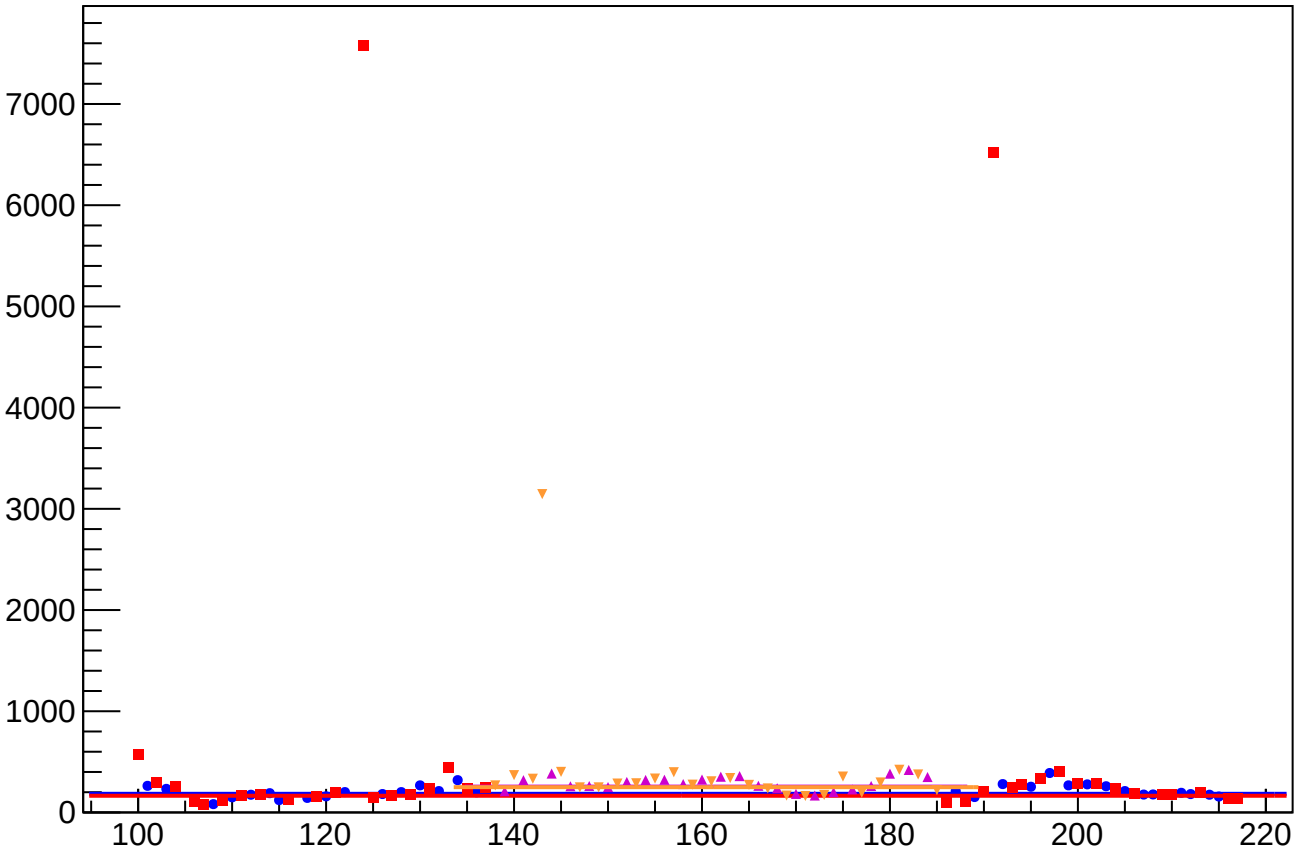
Right Out: 0.056+/-0.041 χ^2/NDF: 37.6/35

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.015+/-0.036 χ^2/NDF: 48.9/55

All: 0.013+/-0.025 χ^2/NDF: 122.0/114

- sign 0.012+/-0.034 χ^2/NDF: 73.1/58



Right In: 184.191+/-0.032 χ^2/NDF: 3036637.2/30

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

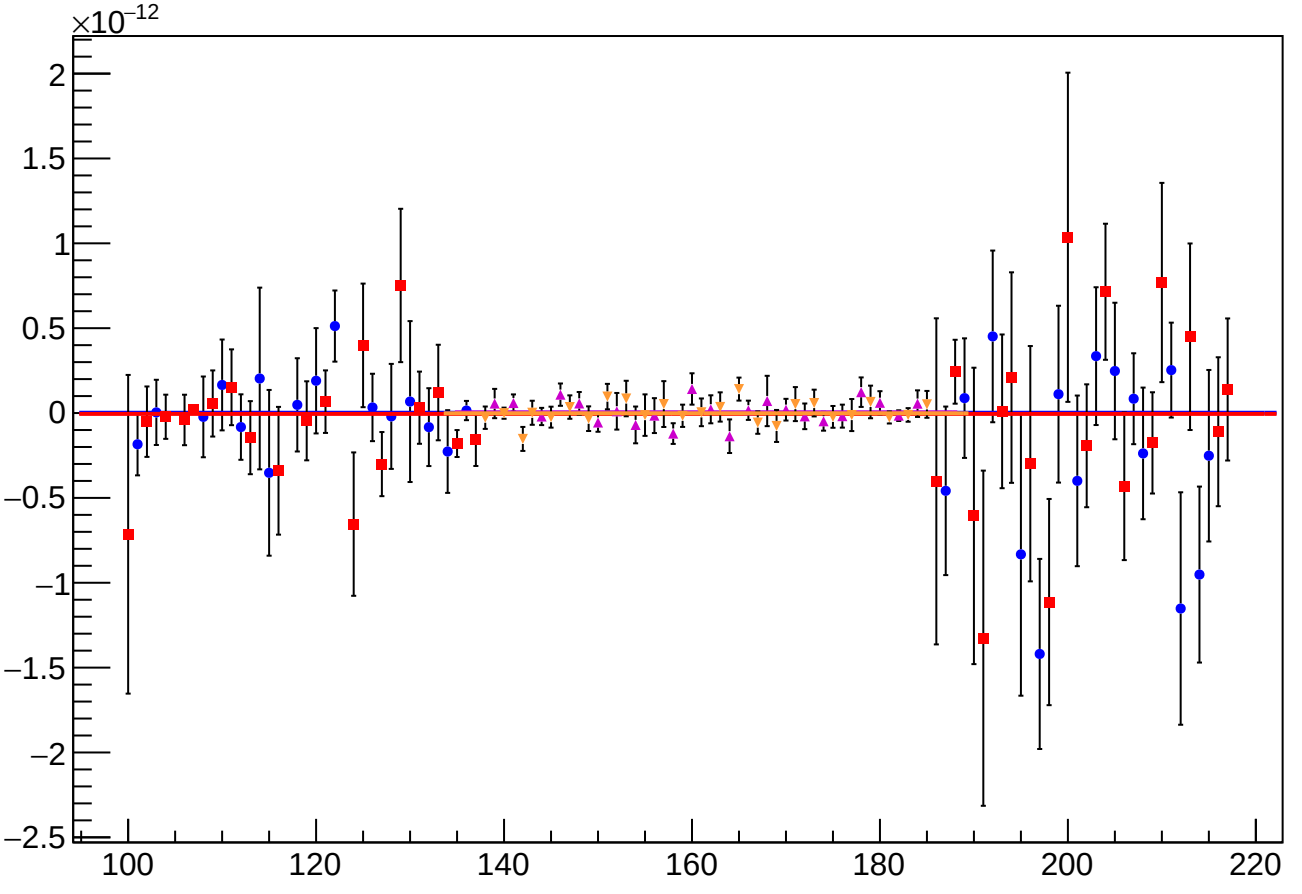
Right Out: 164.989+/-0.029 χ^2/NDF: 5445841.1/35

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 206.869+/-0.026 χ^2/NDF: 8757741.6/55

All: 198.673+/-0.018 χ^2/NDF: 19415636.2/11

- sign 191.414+/-0.024 χ^2/NDF: 10464711.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

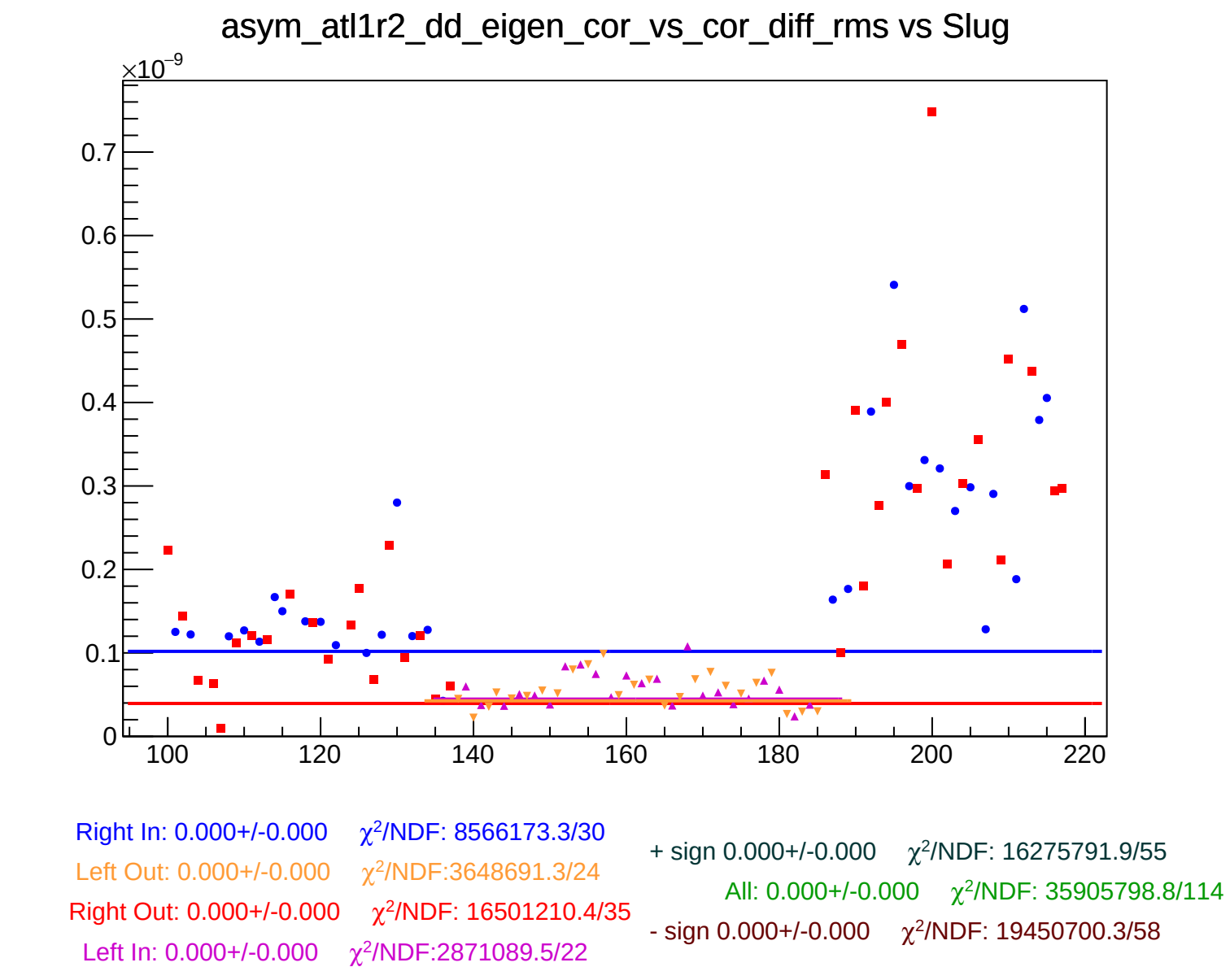
Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/35

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

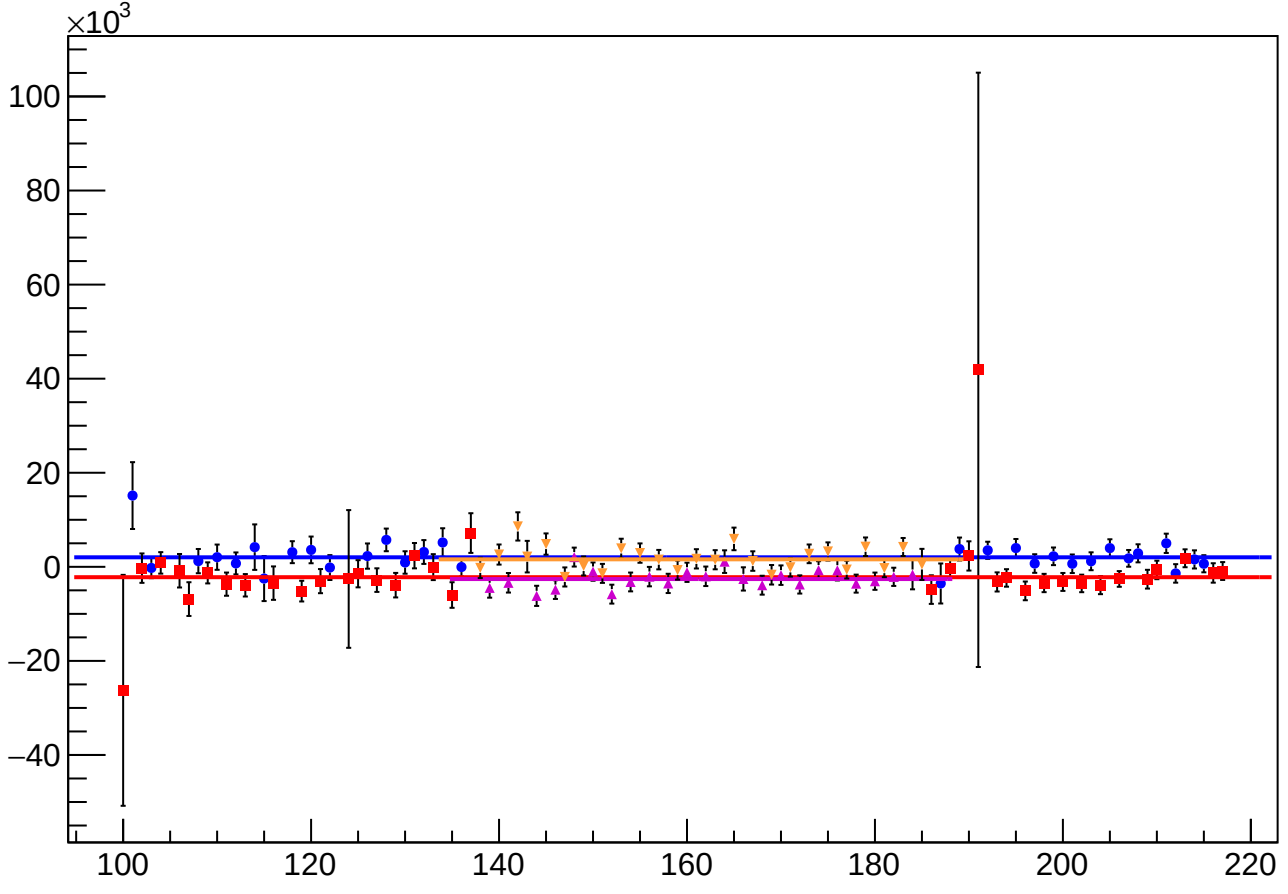
+ sign -0.000+/-0.000 χ^2/NDF: 44.7/55

All: 0.000+/-0.000 χ^2/NDF: 99.5/114

- sign 0.000+/-0.000 χ^2/NDF: 54.7/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 8566173.3/30
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 16501210.4/35
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 16275791.9/55
All: 0.000+/-0.000 χ²/NDF: 35905798.8/114
- sign 0.000+/-0.000 χ²/NDF: 19450700.3/58

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2023.893+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.182+/-397.190 χ^2/NDF: 33.4/35

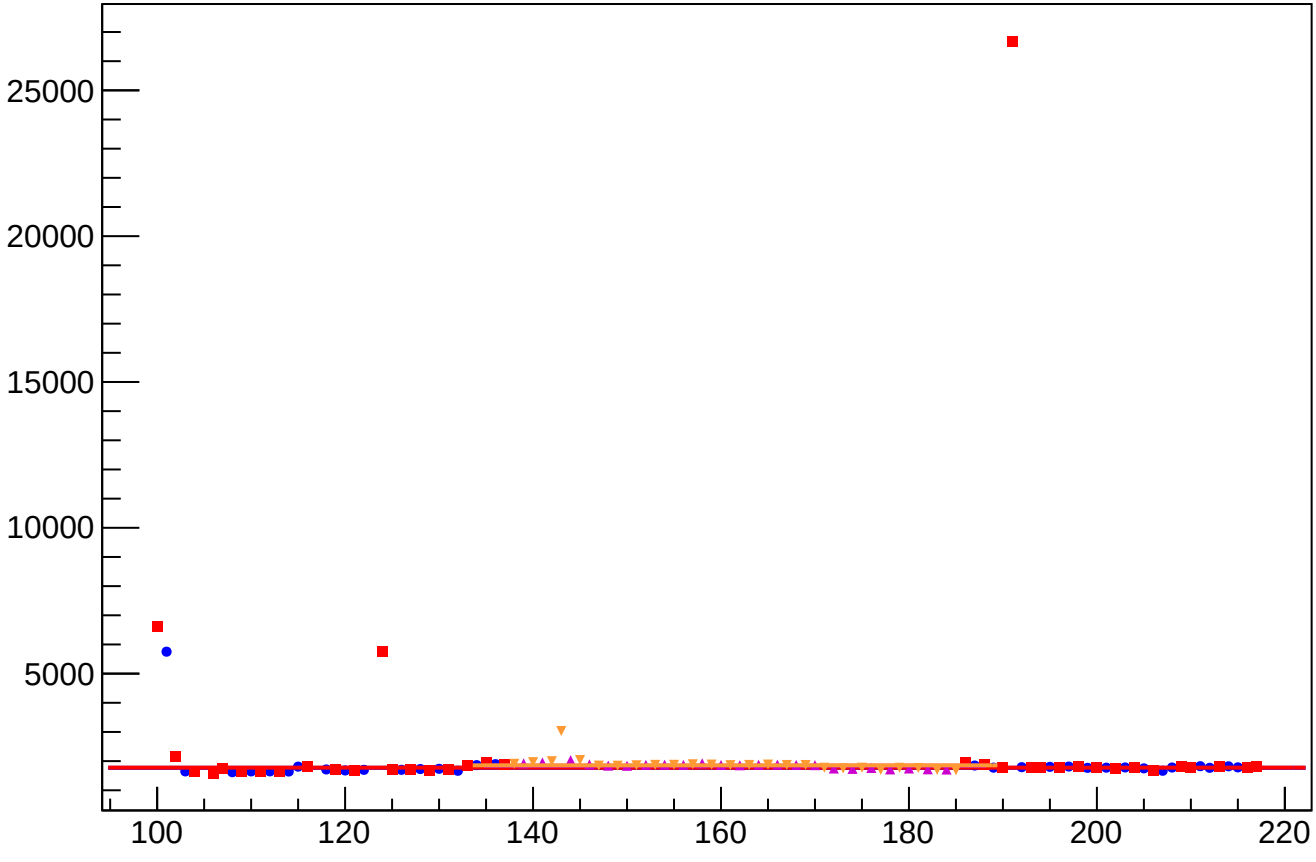
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1816.888+/-293.212 χ^2/NDF: 56.1/55

All: -293.905+/-206.852 χ^2/NDF: 213.2/114

- sign -2385.242+/-291.858 χ^2/NDF: 53.9/58

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.4/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.866+/-0.280 χ^2/NDF: 649657.1/35

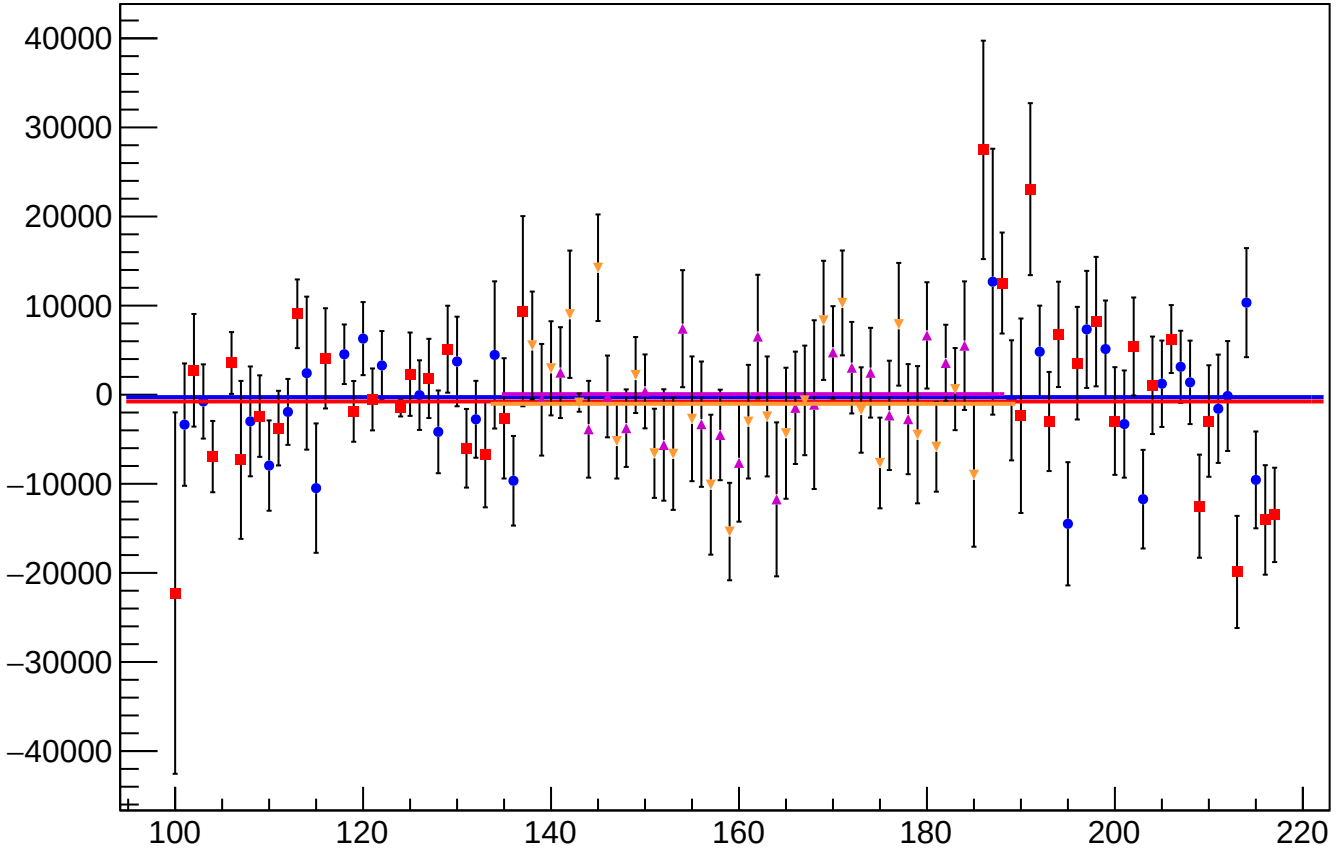
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.519+/-0.207 χ^2/NDF: 1052373.9/55

All: 1808.112+/-0.146 χ^2/NDF: 1798076.0/11

- sign 1805.735+/-0.206 χ^2/NDF: 745434.2/58

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -269.920+/-916.684 χ^2/NDF: 35.7/30

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -757.781+/-650.120 χ^2/NDF: 69.6/35

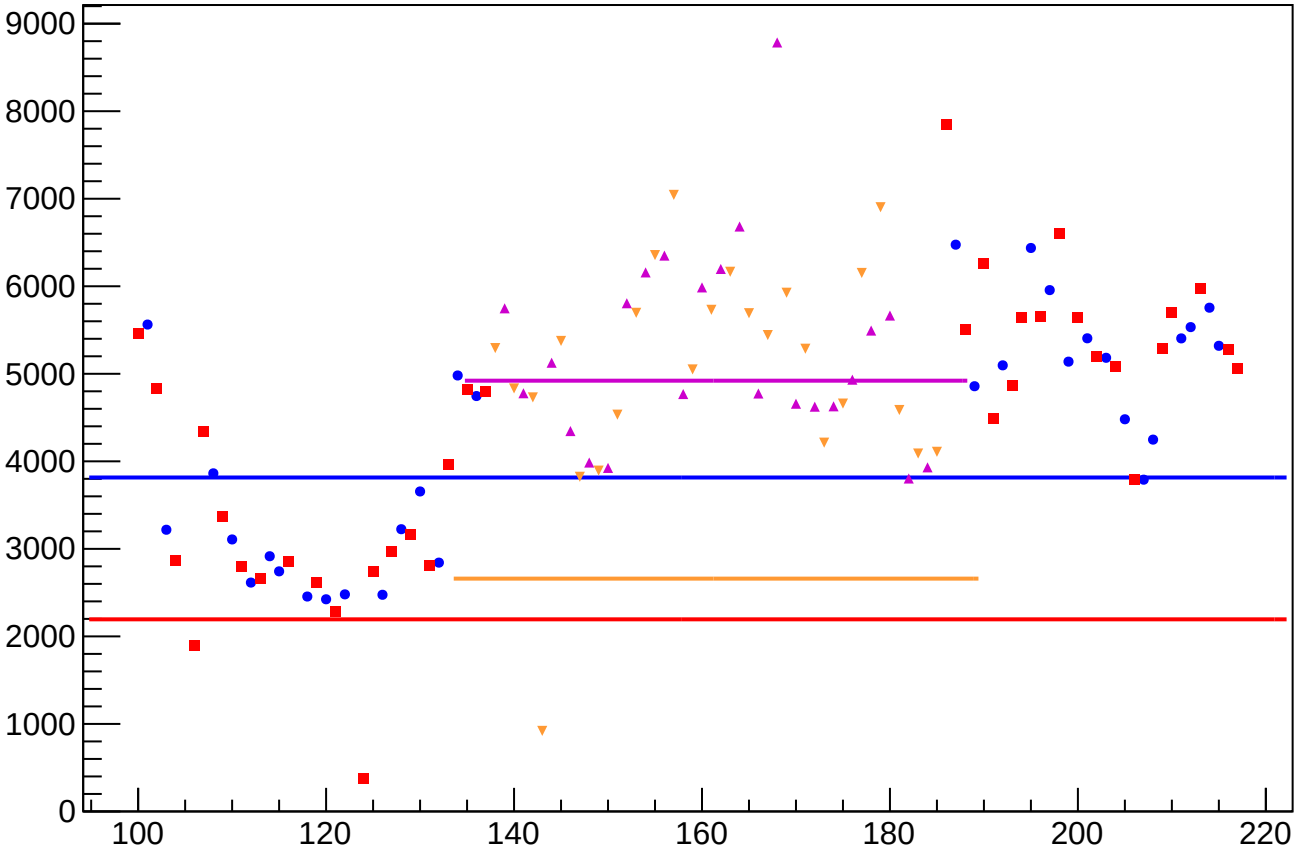
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -708.178+/-590.412 χ^2/NDF: 69.8/55

All: -633.987+/-409.582 χ^2/NDF: 152.9/114

- sign -565.159+/-568.674 χ^2/NDF: 83.1/58

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3815.319+/-0.648 χ^2/NDF: 3580593.6/30

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2194.879+/-0.460 χ^2/NDF: 18055769.4/35

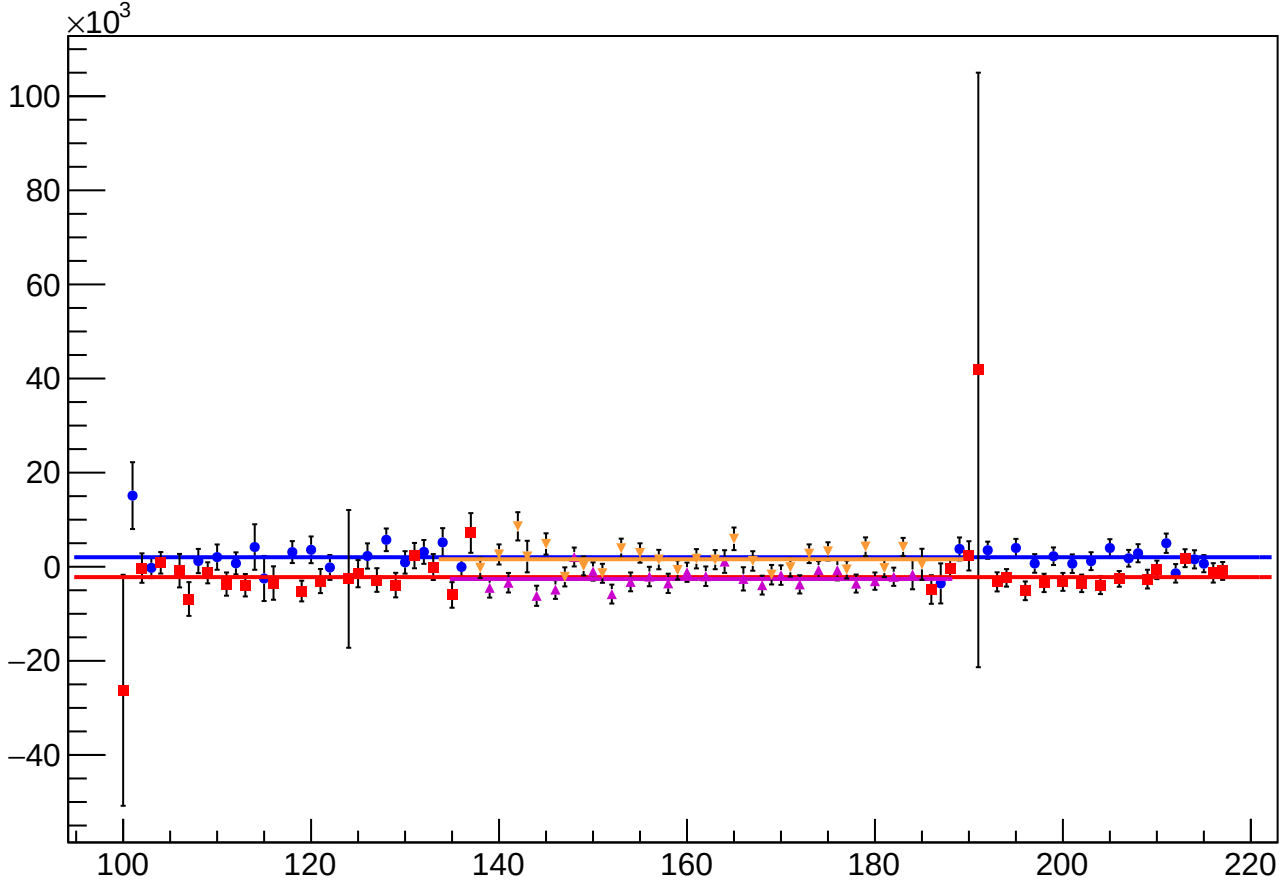
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3139.266+/-0.417 χ^2/NDF: 19975625.5/55

All: 2981.541+/-0.290 χ^2/NDF: 47818950.8/1

- sign 2835.216+/-0.402 χ^2/NDF: 27568176.6/58

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2023.704+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.206+/-397.190 χ^2/NDF: 33.4/35

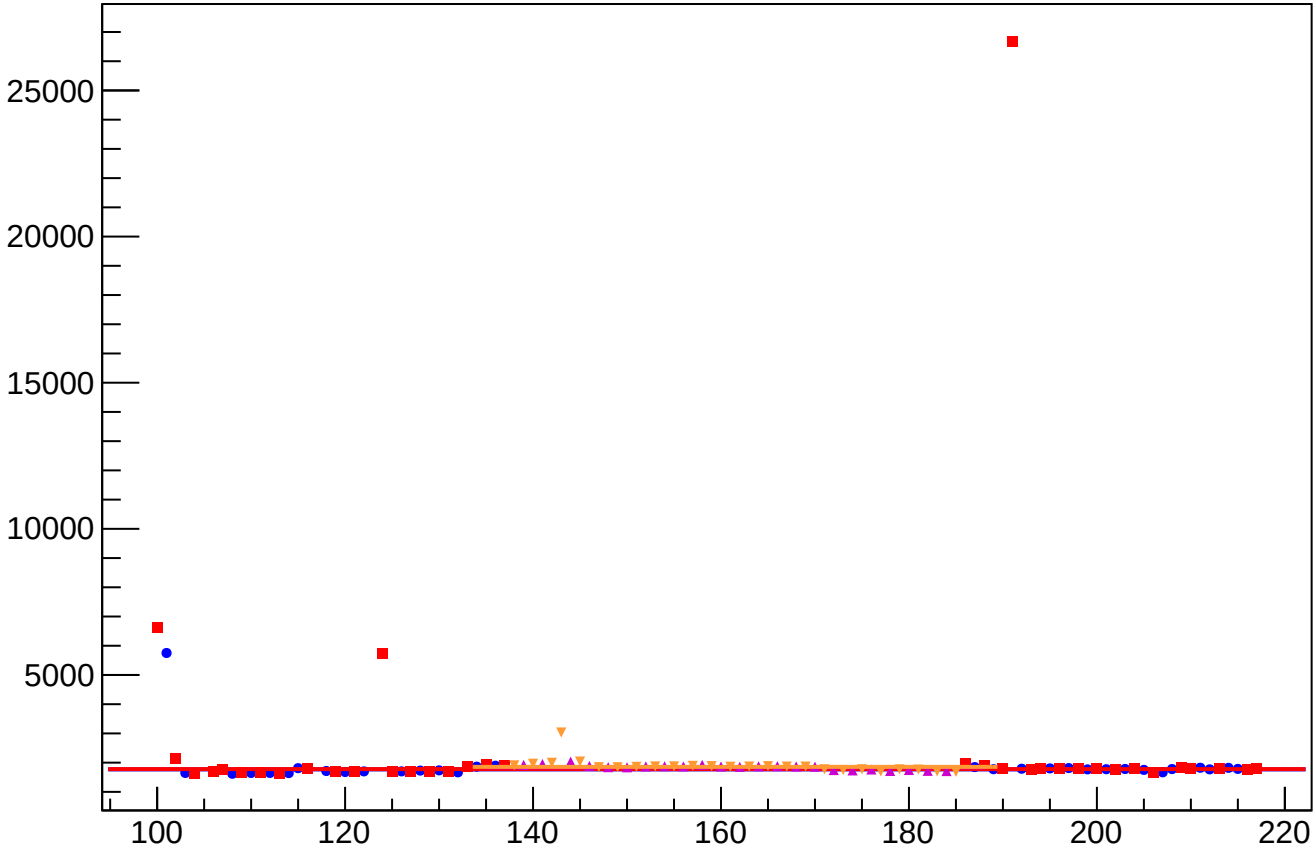
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1816.774+/-293.212 χ^2/NDF: 56.1/55

All: -293.985+/-206.852 χ^2/NDF: 213.1/114

- sign -2385.288+/-291.858 χ^2/NDF: 53.9/58

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.7/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

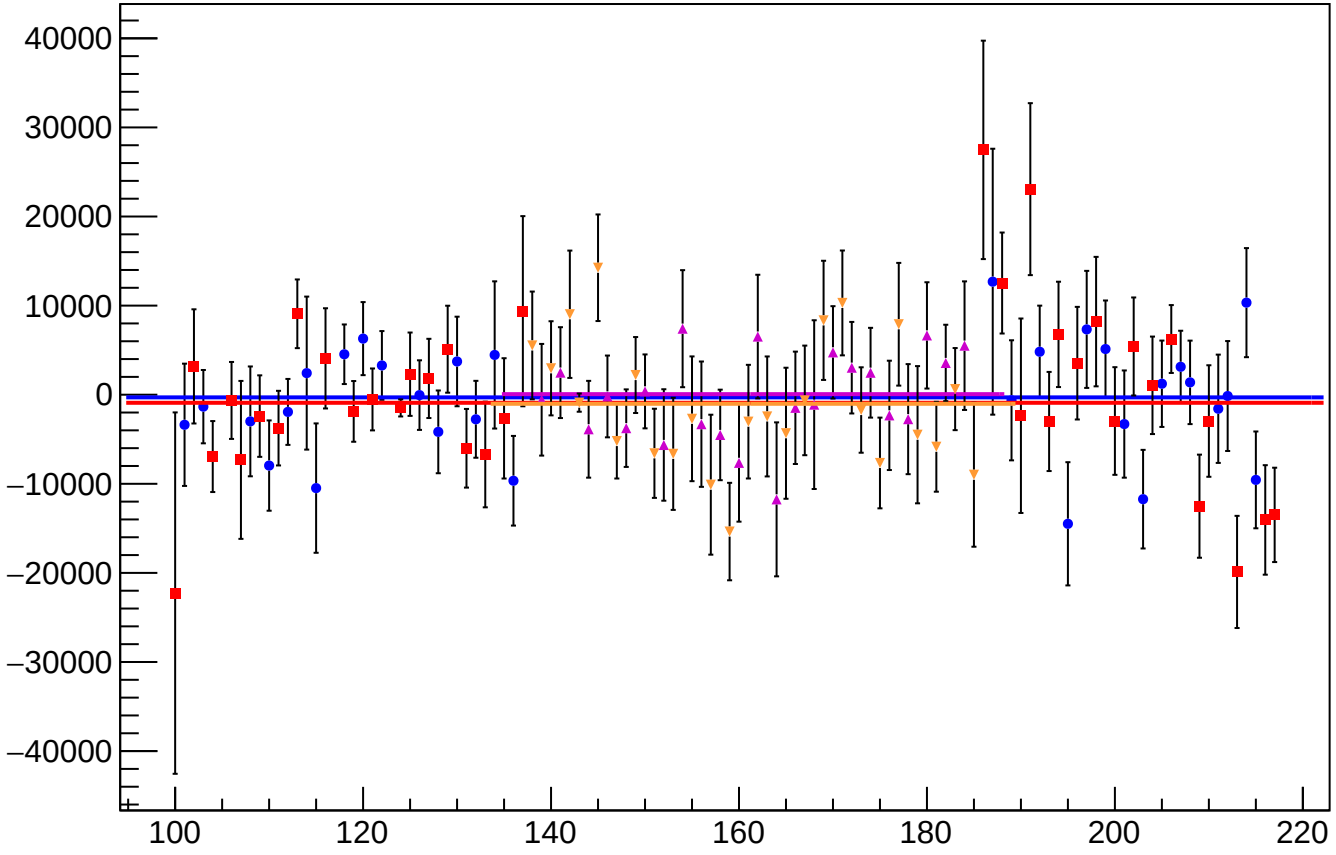
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.519+/-0.207 χ^2/NDF: 1052374.3/55

All: 1808.835+/-0.146 χ^2/NDF: 1787147.9/11

- sign 1807.168+/-0.206 χ^2/NDF: 734642.3/58

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -299.829+/-916.109 χ^2/NDF: 35.7/30

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -907.001+/-654.223 χ^2/NDF: 68.1/35

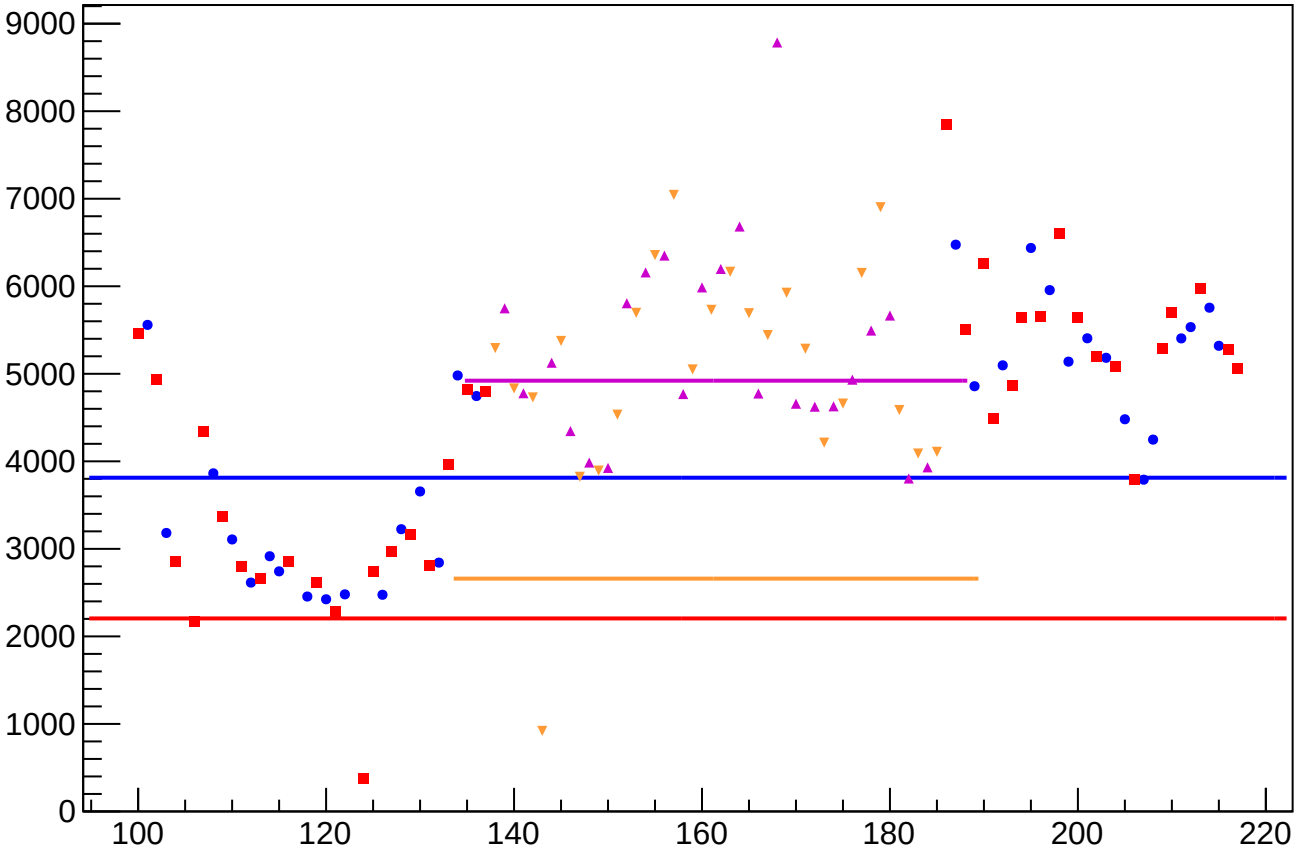
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -720.286+/-590.250 χ^2/NDF: 69.8/55

All: -698.021+/-410.548 χ^2/NDF: 151.5/114

- sign -677.153+/-571.414 χ^2/NDF: 81.7/58

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3812.739+/-0.648 χ^2/NDF: 3586551.2/30

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

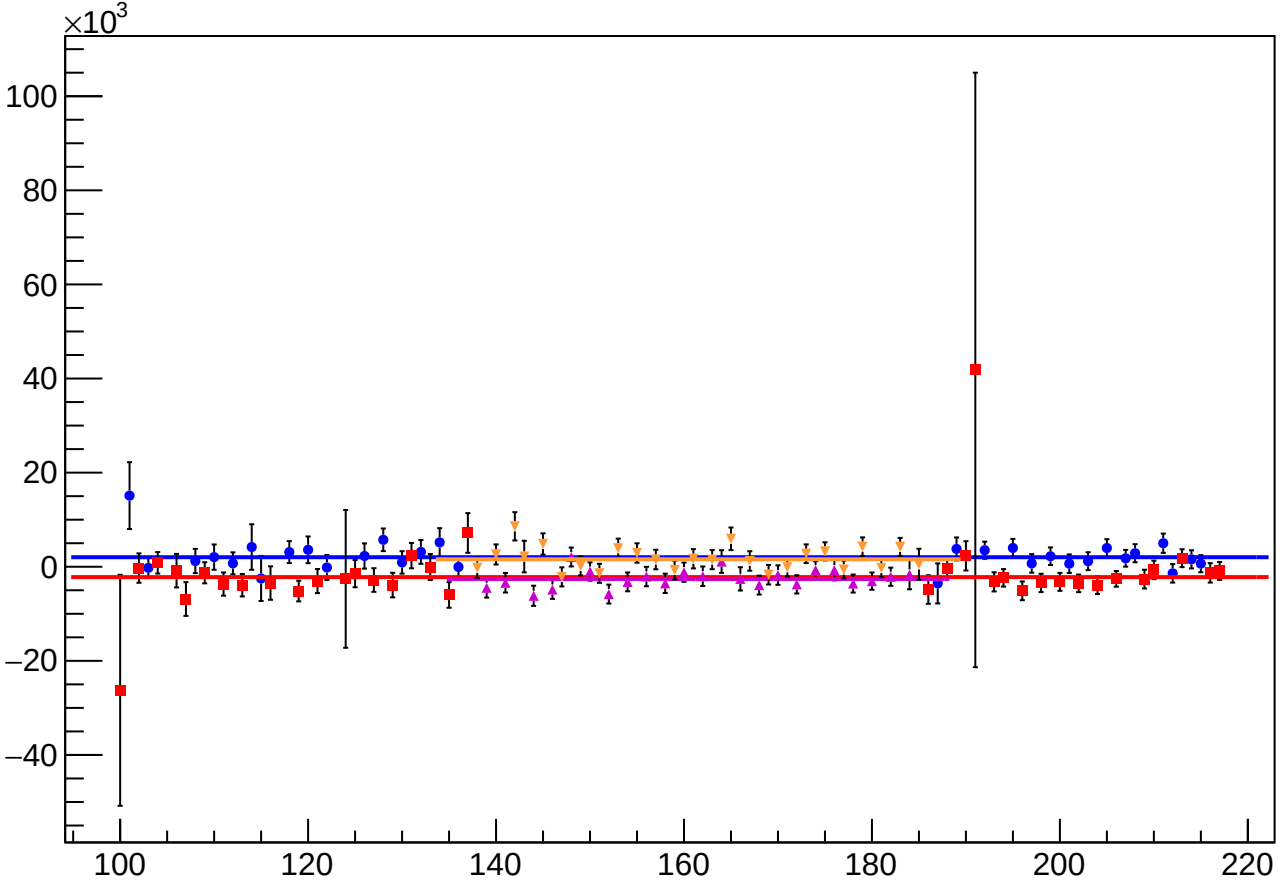
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3138.475+/-0.417 χ^2/NDF: 19975752.2/55

All: 2989.159+/-0.290 χ^2/NDF: 47705372.3/1

- sign 2849.221+/-0.404 χ^2/NDF: 27481681.2/58

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2023.704+/-406.539 χ^2/NDF: 24.3/30

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2204.206+/-397.190 χ^2/NDF: 33.4/35

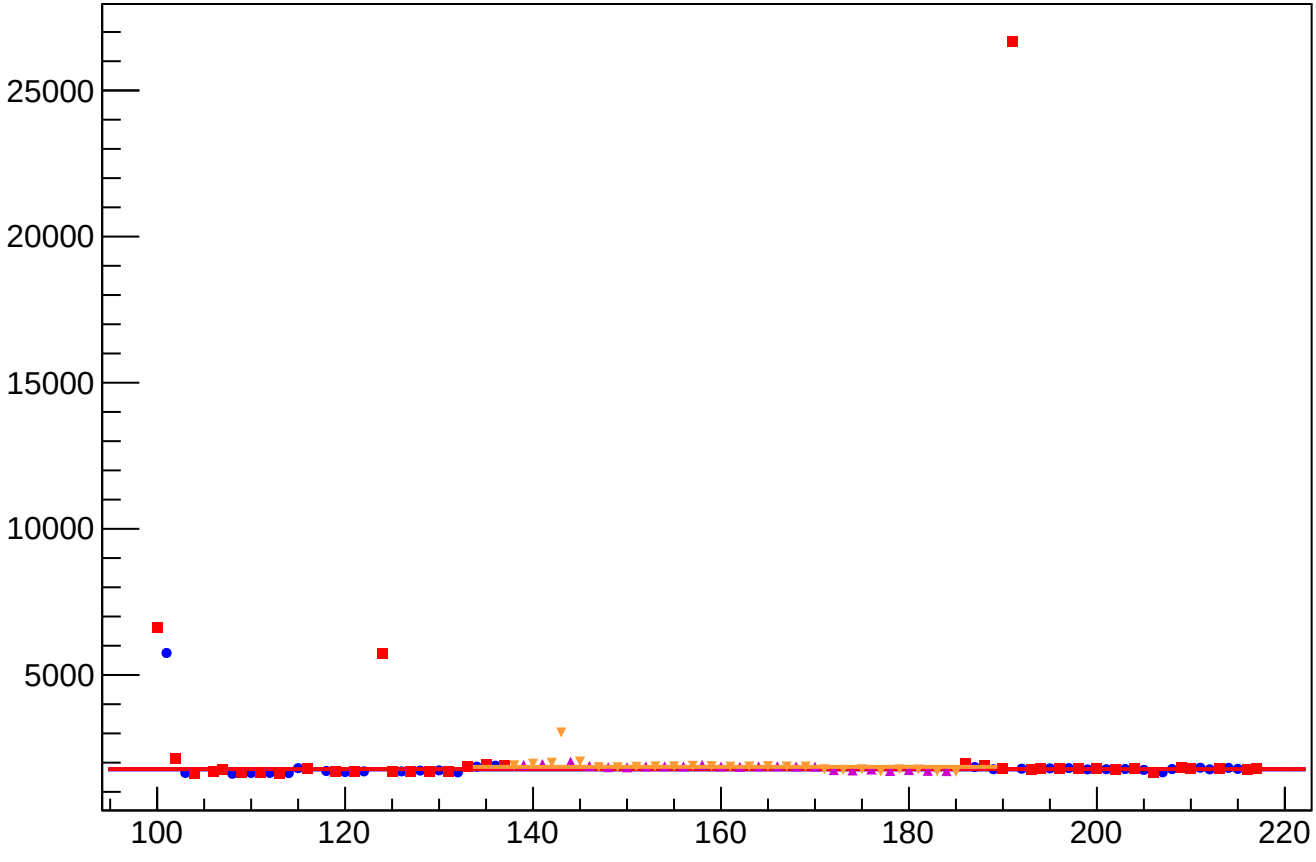
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1816.774+/-293.212 χ^2/NDF: 56.1/55

All: -293.985+/-206.852 χ^2/NDF: 213.1/114

- sign -2385.288+/-291.858 χ^2/NDF: 53.9/58

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.974+/-0.287 χ^2/NDF: 684576.7/30

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

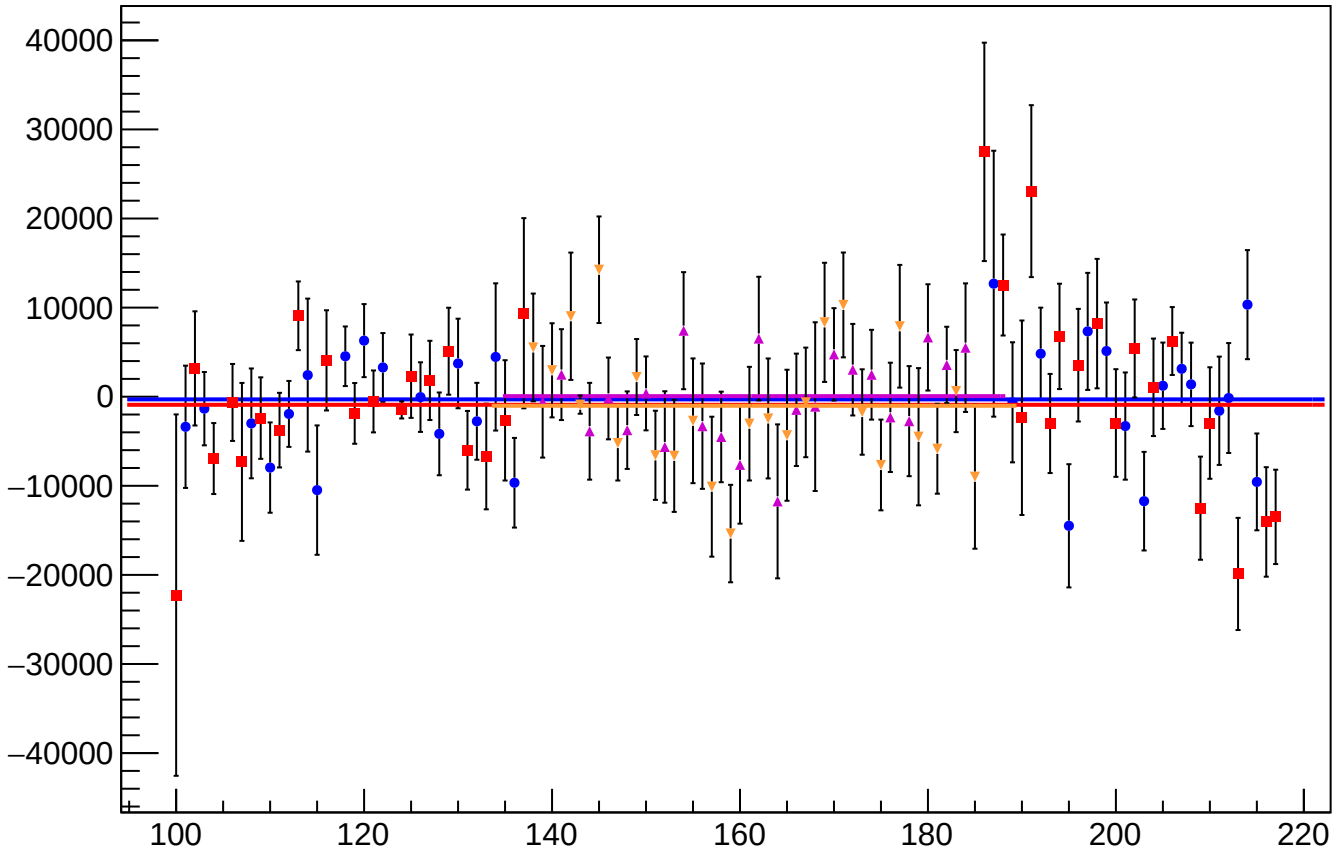
Right Out: 1778.437+/-0.280 χ^2/NDF: 640812.8/35

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1810.519+/-0.207 χ^2/NDF: 1052374.3/55

All: 1808.835+/-0.146 χ^2/NDF: 1787147.9/11

- sign 1807.168+/-0.206 χ^2/NDF: 734642.3/58



Right In: -299.829+/-916.109 χ^2/NDF: 35.7/30

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -907.001+/-654.223 χ^2/NDF: 68.1/35

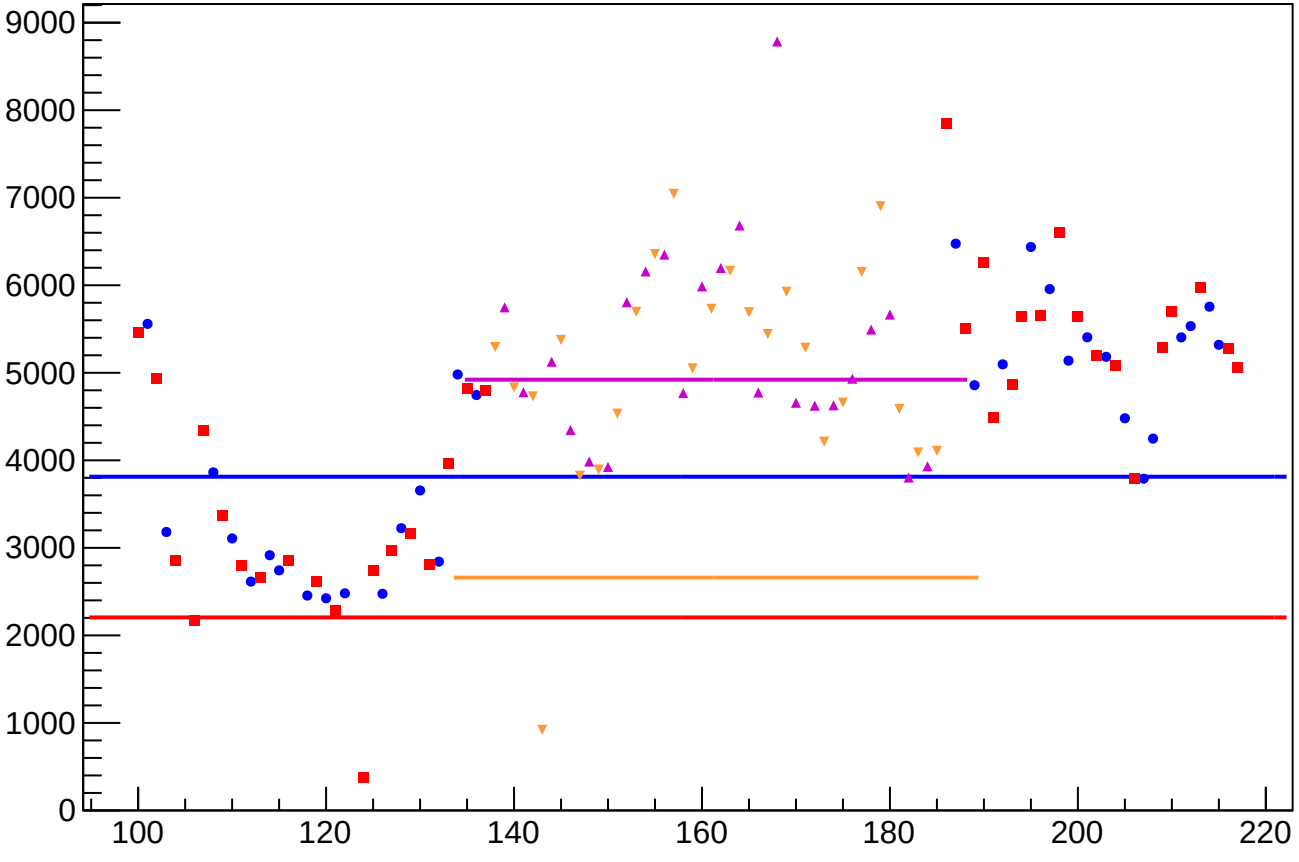
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

\+ sign -720.286+/-590.250 χ^2/NDF: 69.8/55

All: -698.021+/-410.548 χ^2/NDF: 151.5/114

\- sign -677.153+/-571.414 χ^2/NDF: 81.7/58

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3812.739+/-0.648 χ^2/NDF: 3586551.2/30

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

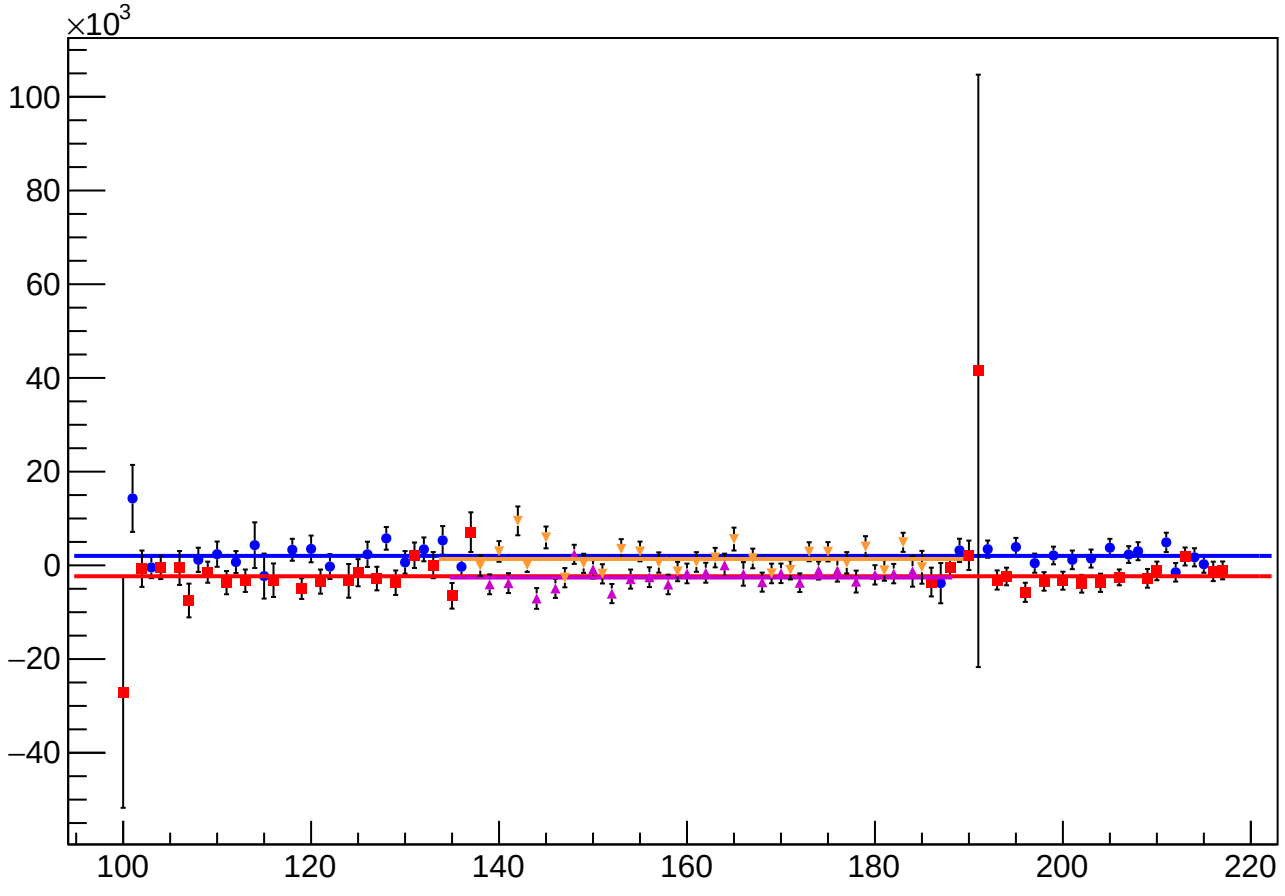
Right Out: 2205.129+/-0.463 χ^2/NDF: 18055588.0/35

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3138.475+/-0.417 χ^2/NDF: 19975752.2/55

All: 2989.159+/-0.290 χ^2/NDF: 47705372.3/1

- sign 2849.221+/-0.404 χ^2/NDF: 27481681.2/58



Right In: 2018.830+/-410.579 χ^2/NDF: 24.1/30

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2327.143+/-400.040 χ^2/NDF: 31.8/35

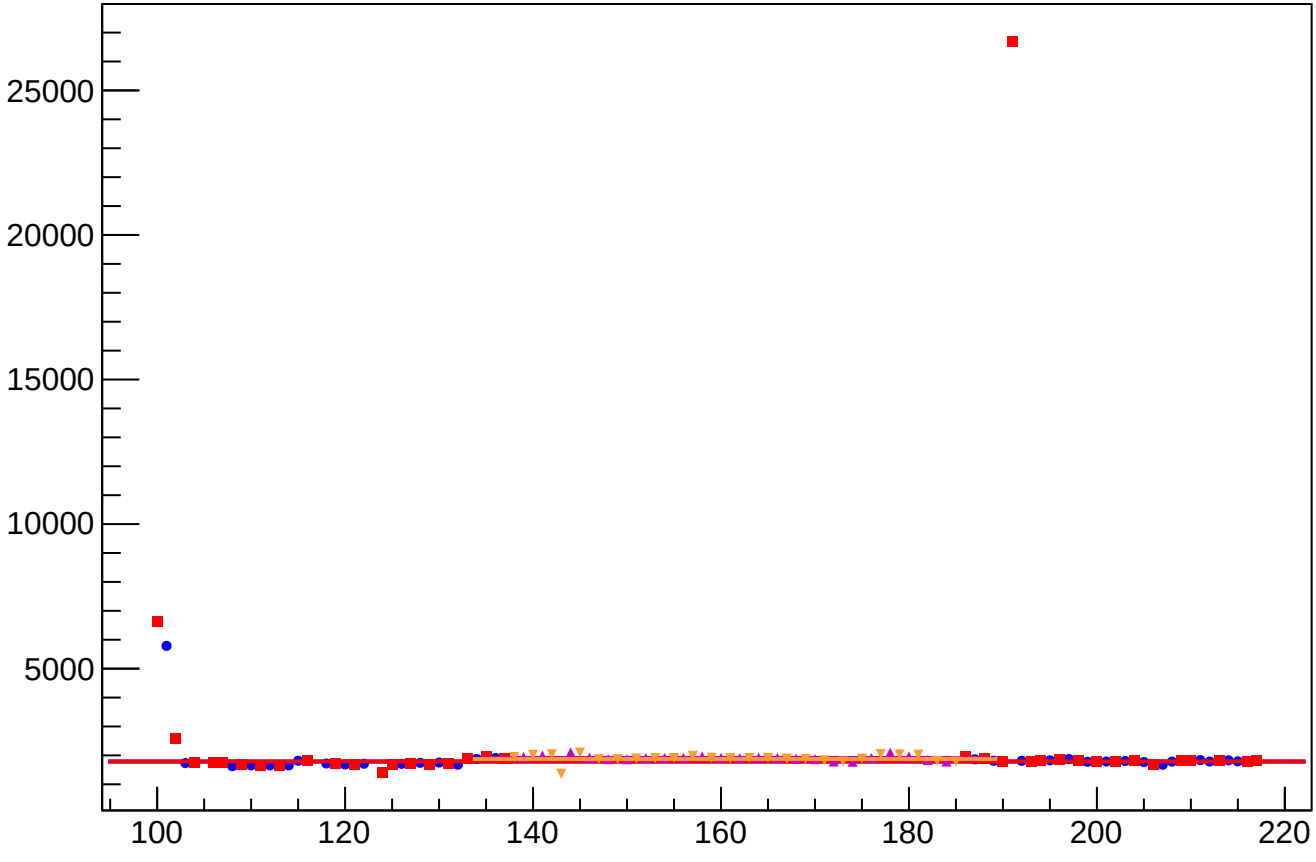
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1704.448+/-296.069 χ^2/NDF: 61.4/55

All: -359.054+/-210.038 χ^2/NDF: 211.2/114

- sign -2449.830+/-298.019 χ^2/NDF: 52.0/58

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.374+/-0.290 χ^2/NDF: 684725.9/30

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1791.550+/-0.283 χ^2/NDF: 563761.1/35

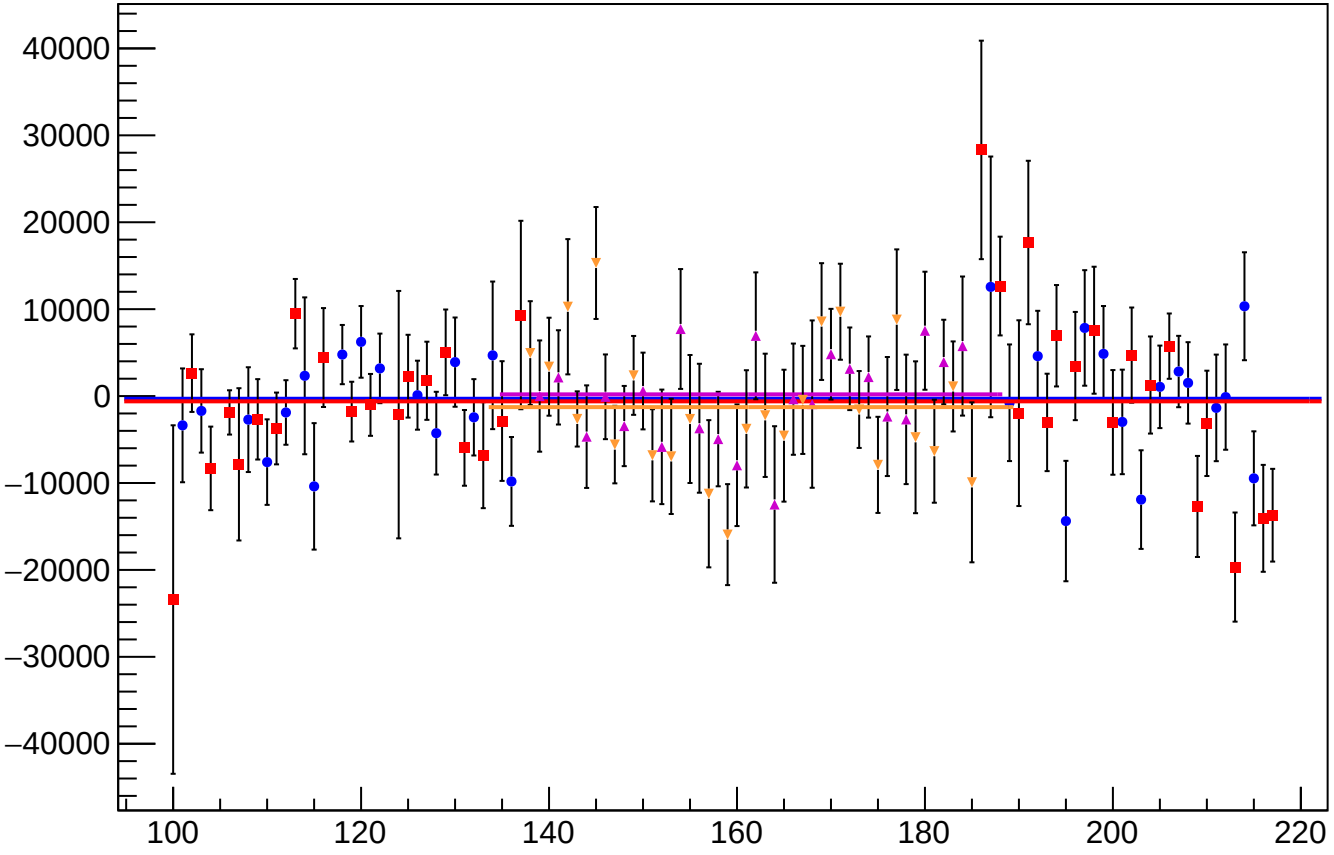
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1828.041+/-0.209 χ^2/NDF: 1037370.1/55

All: 1836.389+/-0.148 χ^2/NDF: 1743458.2/11

- sign 1844.837+/-0.211 χ^2/NDF: 702889.0/58

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -308.202+/-929.274 χ^2/NDF: 34.9/30

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -605.224+/-862.241 χ^2/NDF: 65.6/35

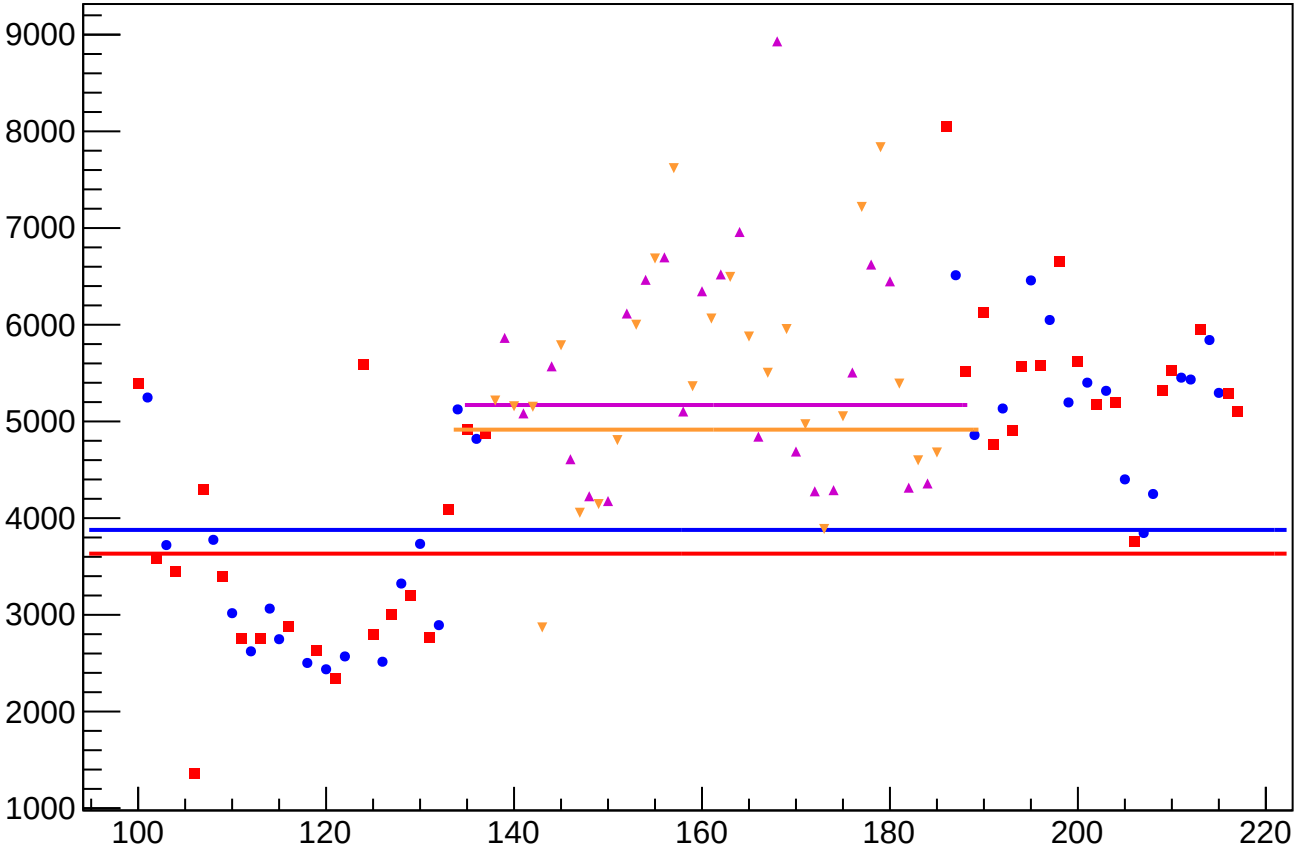
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -685.603+/-724.304 χ^2/NDF: 68.8/55

All: -509.738+/-505.893 χ^2/NDF: 147.5/114

- sign -342.226+/-706.896 χ^2/NDF: 78.6/58

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3878.217+/-0.657 χ^2/NDF: 3425416.6/30

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3632.810+/-0.610 χ^2/NDF: 5554819.2/35

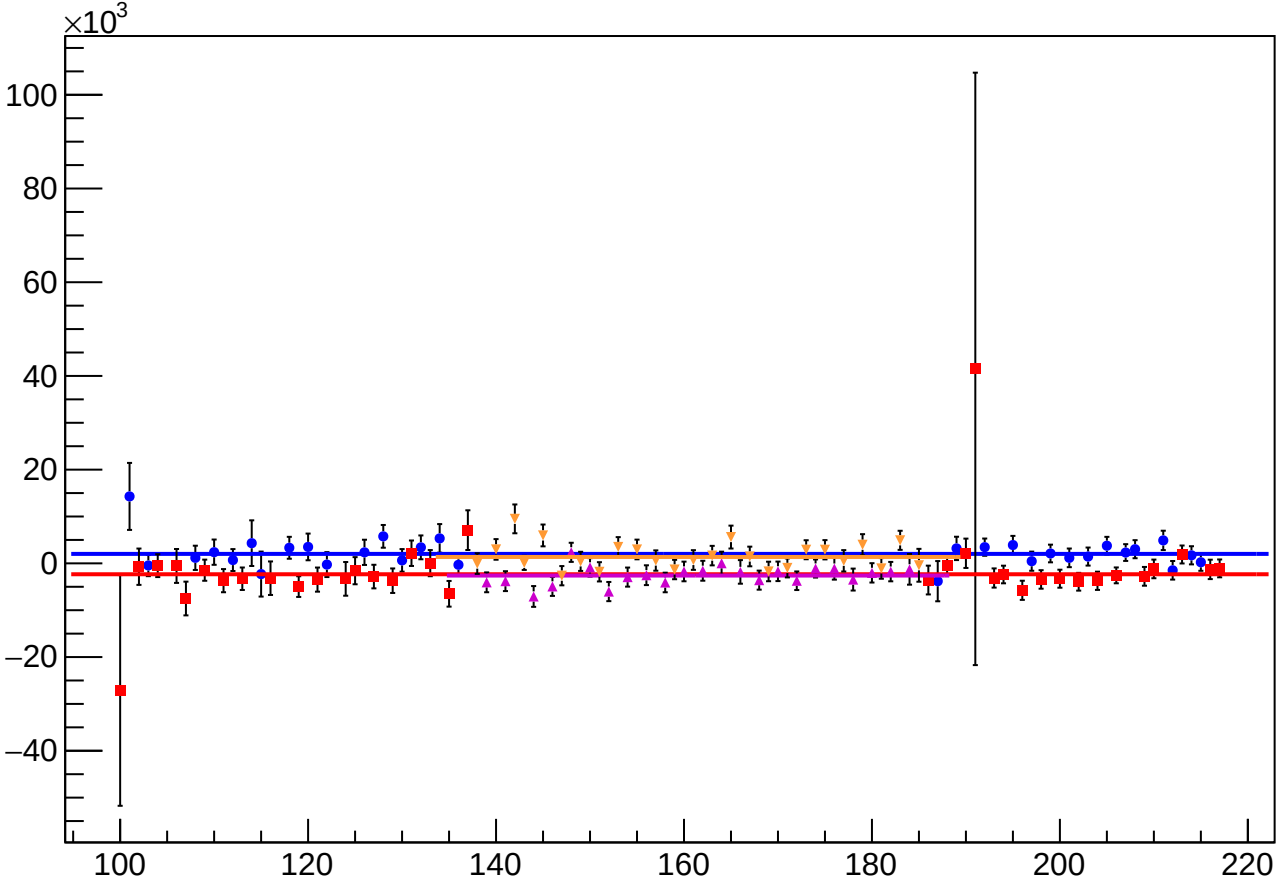
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4285.238+/-0.512 χ^2/NDF: 6569220.1/55

All: 4209.223+/-0.358 χ^2/NDF: 15599988.4/1

- sign 4136.818+/-0.500 χ^2/NDF: 8987756.7/58

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2018.831+/-410.579 χ^2/NDF: 24.1/30

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2327.140+/-400.040 χ^2/NDF: 31.8/35

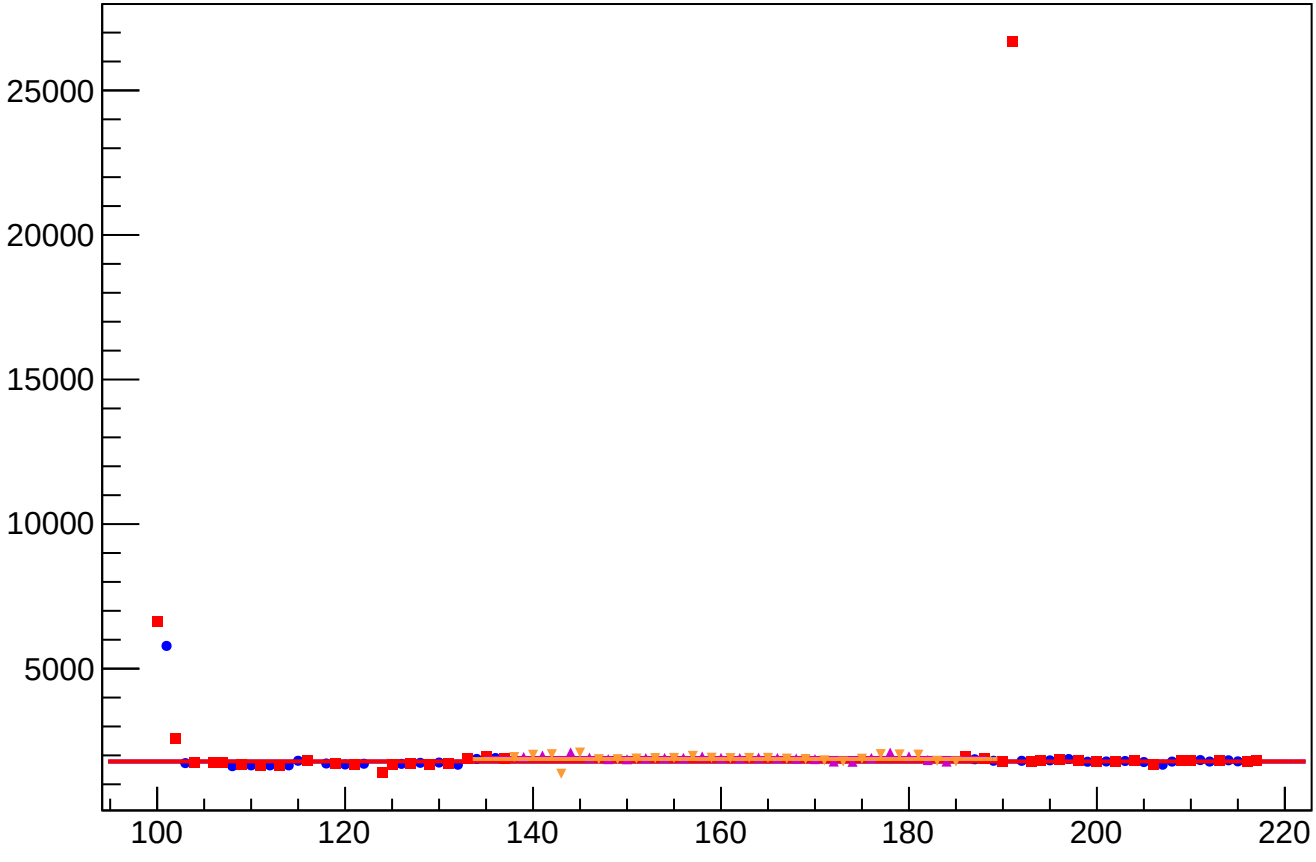
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1704.448+/-296.069 χ^2/NDF: 61.4/55

All: -359.053+/-210.038 χ^2/NDF: 211.2/114

- sign -2449.828+/-298.019 χ^2/NDF: 52.0/58

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.374+/-0.290 χ^2/NDF: 684726.0/30

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

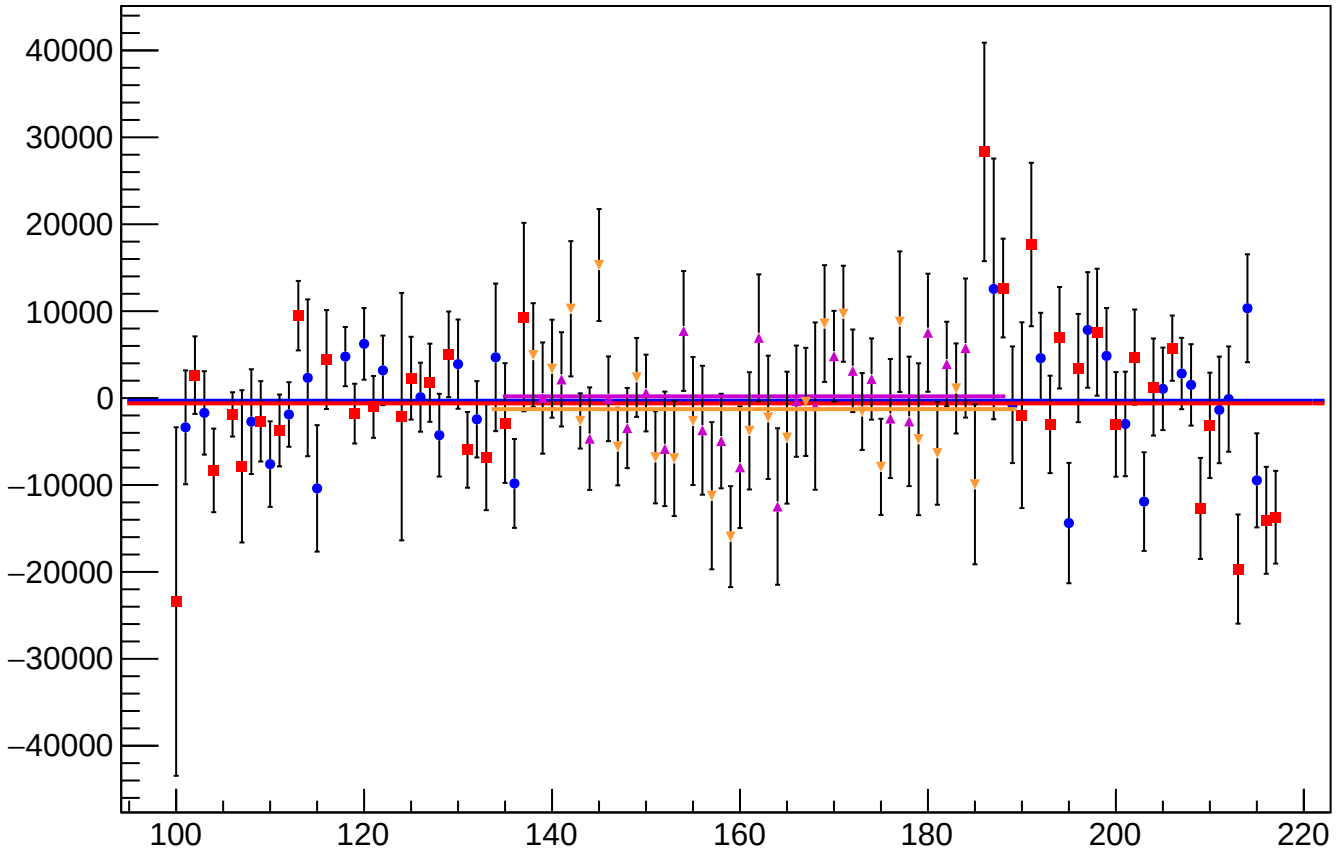
Right Out: 1791.550+/-0.283 χ^2/NDF: 563761.2/35

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1828.041+/-0.209 χ^2/NDF: 1037374.6/55

All: 1836.389+/-0.148 χ^2/NDF: 1743466.6/11

- sign 1844.838+/-0.211 χ^2/NDF: 702892.9/58



Right In: -308.198+/-929.273 χ^2/NDF: 34.9/30

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -605.227+/-862.239 χ^2/NDF: 65.6/35

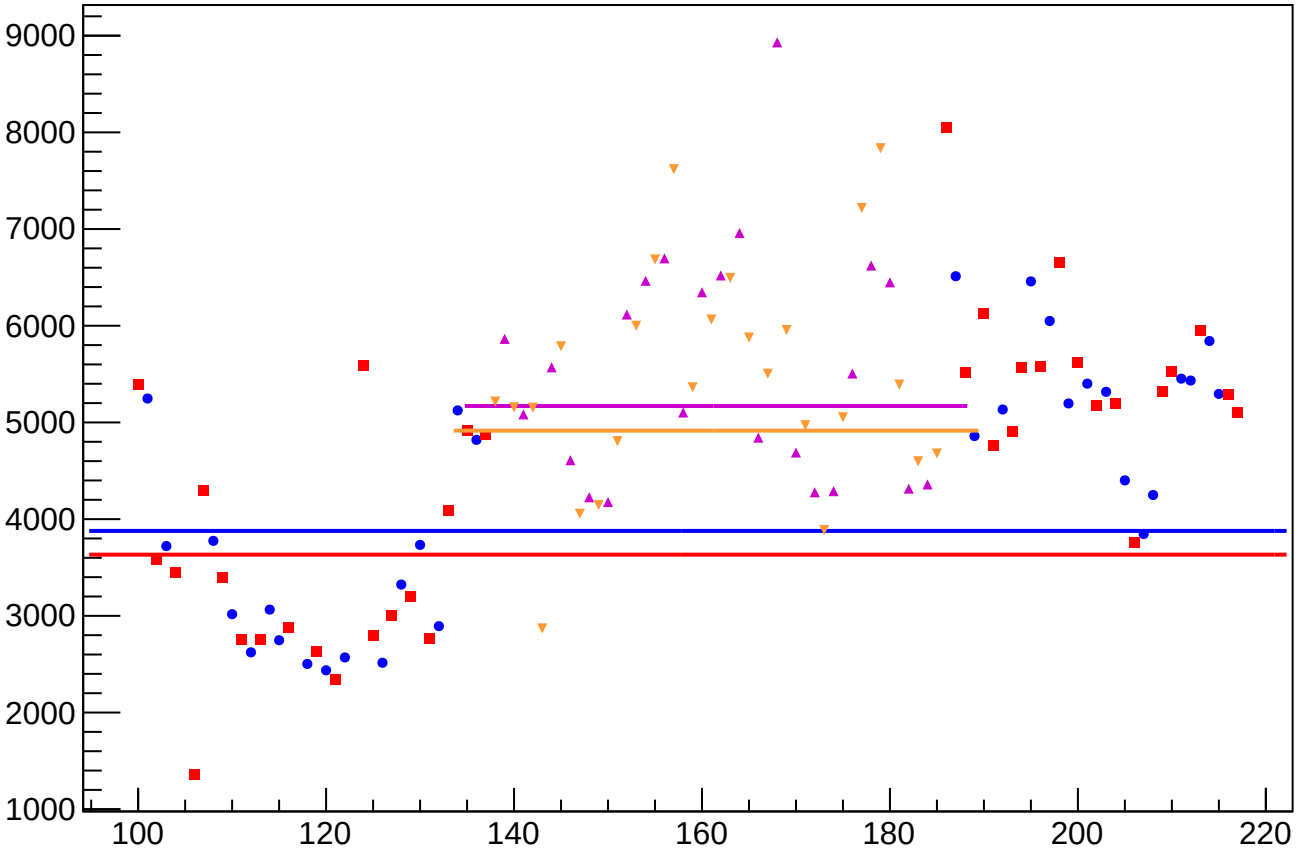
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -685.601+/-724.304 χ^2/NDF: 68.8/55

All: -509.739+/-505.893 χ^2/NDF: 147.5/114

- sign -342.229+/-706.895 χ^2/NDF: 78.6/58

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3878.211+/-0.657 χ^2/NDF: 3425473.5/30

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3632.799+/-0.610 χ^2/NDF: 5554899.4/35

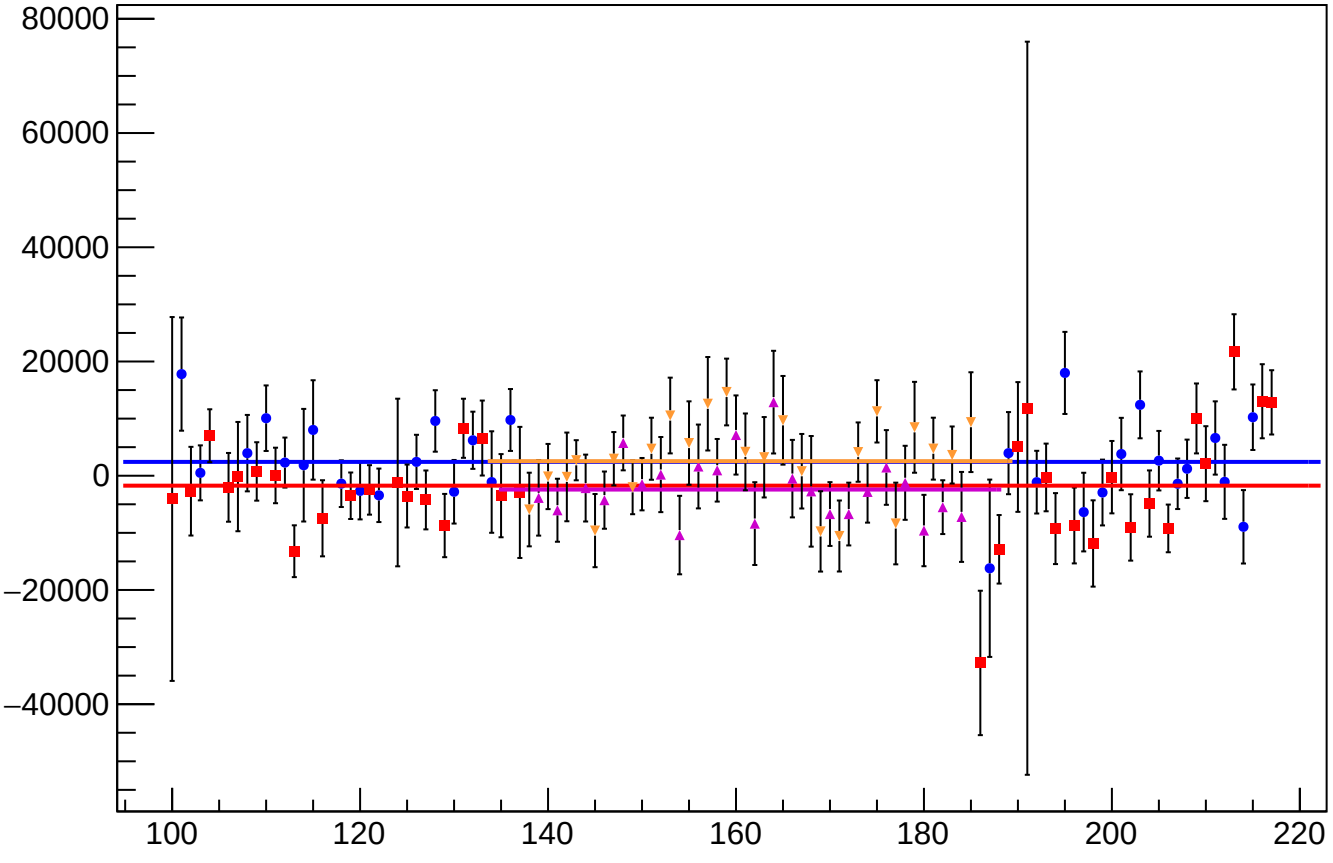
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4285.236+/-0.512 χ^2/NDF: 6569307.6/55

All: 4209.218+/-0.358 χ^2/NDF: 15600210.2/1

- sign 4136.810+/-0.500 χ^2/NDF: 8987888.2/58

asym_atr1l2_avg_mean vs Slug



Right In: 2422.612+/-1033.852 χ^2/NDF: 32.1/30

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1738.827+/-1015.682 χ^2/NDF: 66.8/35

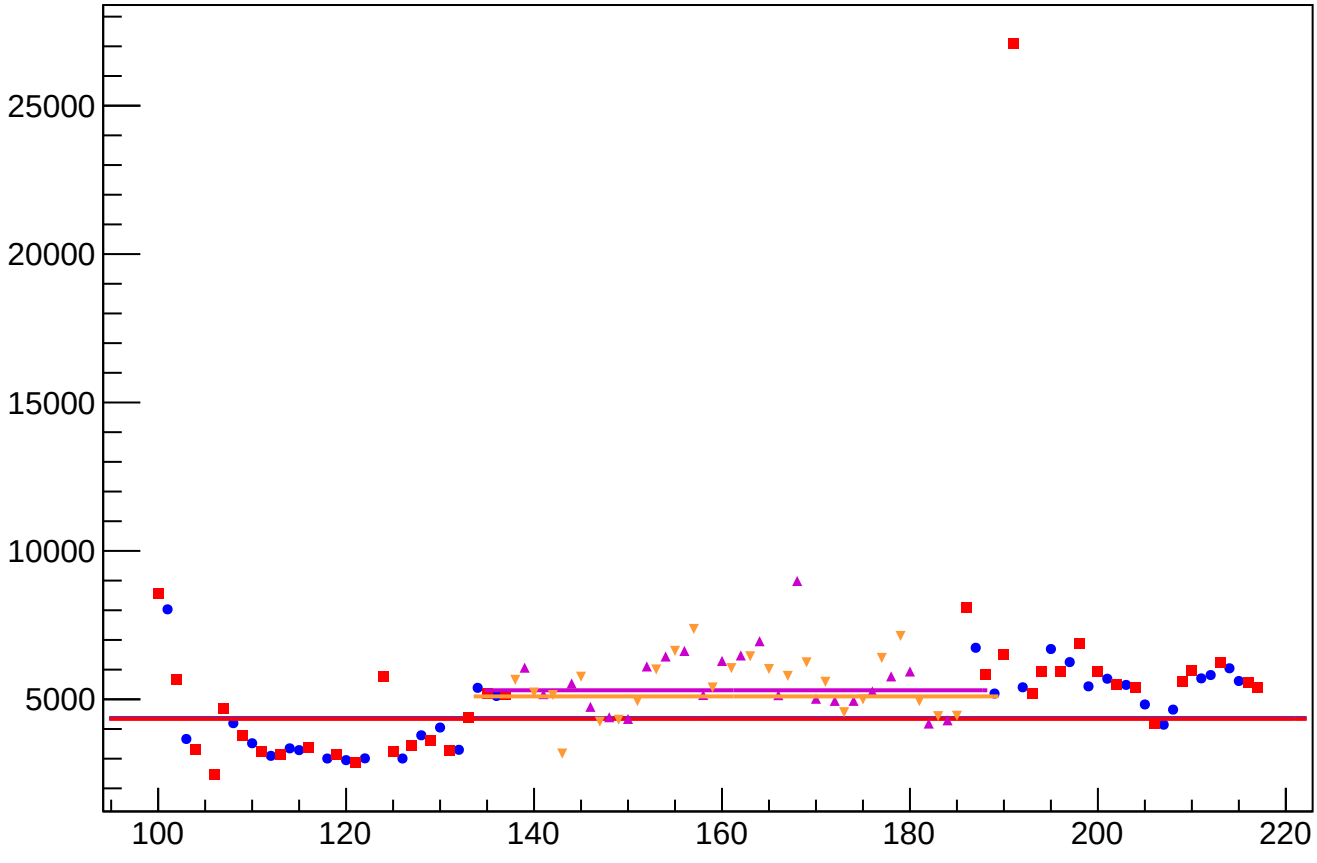
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

\+ sign 2476.266+/-779.794 χ^2/NDF: 61.1/55

All: 264.996+/-555.203 χ^2/NDF: 159.4/114

\- sign -2008.394+/-790.671 χ^2/NDF: 82.0/58

asym_atr1l2_avg_rms vs Slug



Right In: 4363.163+/-0.731 χ^2/NDF: 2661588.8/30

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

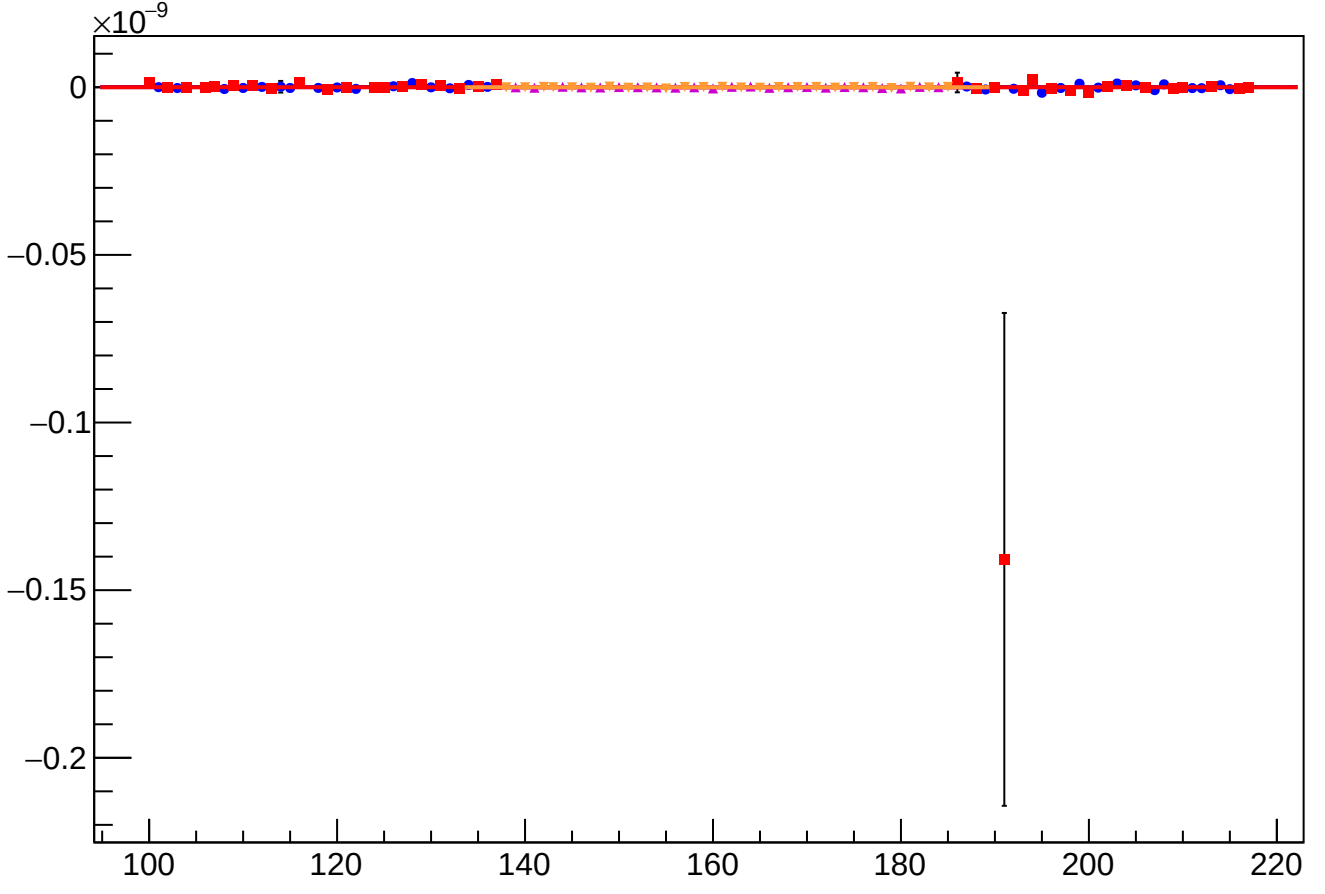
Right Out: 4341.786+/-0.712 χ^2/NDF: 3487198.5/35

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4679.943+/-0.551 χ^2/NDF: 4641545.3/55

All: 4698.245+/-0.392 χ^2/NDF: 9861376.7/11

- sign 4716.858+/-0.556 χ^2/NDF: 5217609.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

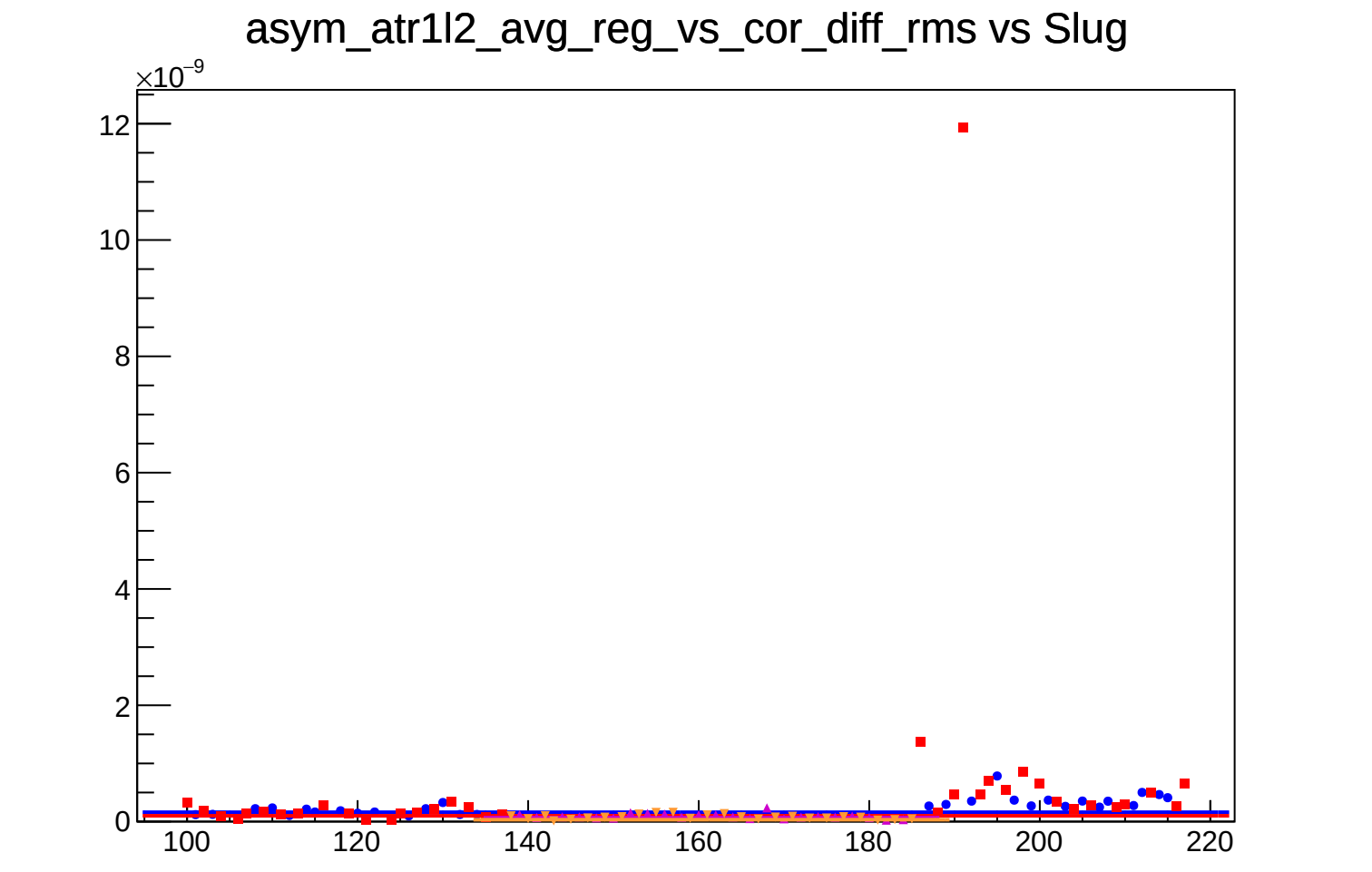
Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/35

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/55

All: 0.000+/-0.000 χ^2/NDF: 118.6/114

- sign 0.000+/-0.000 χ^2/NDF: 64.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 4236356.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8992303.3/35

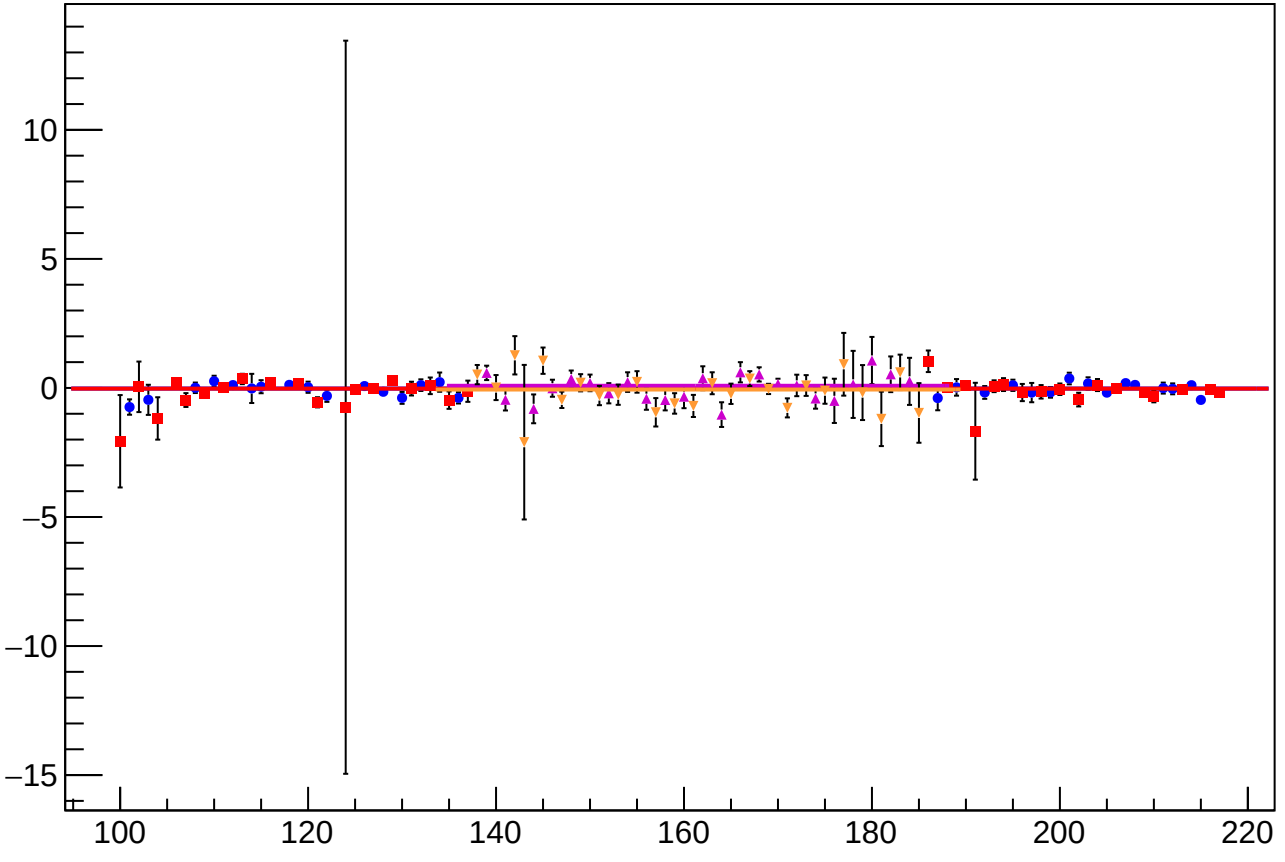
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17430506.7/55

All: 0.000+/-0.000 χ^2/NDF: 32206129.1/114

- sign 0.000+/-0.000 χ^2/NDF: 12074026.0/58

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

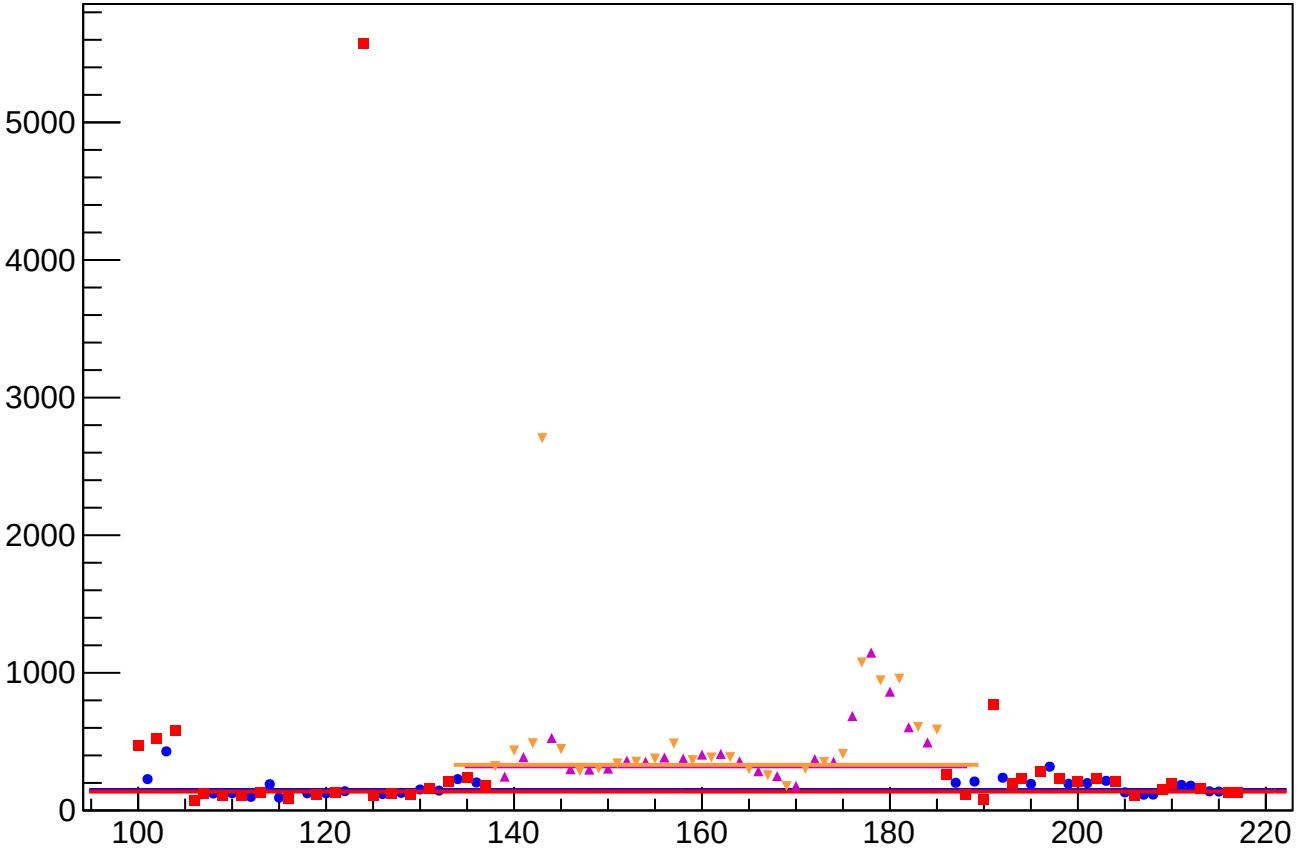
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.030+/-0.034 χ^2/NDF: 69.5/55

All: -0.019+/-0.023 χ^2/NDF: 142.9/114

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 148.483+/-0.026 χ^2/NDF: 2970120.8/30

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

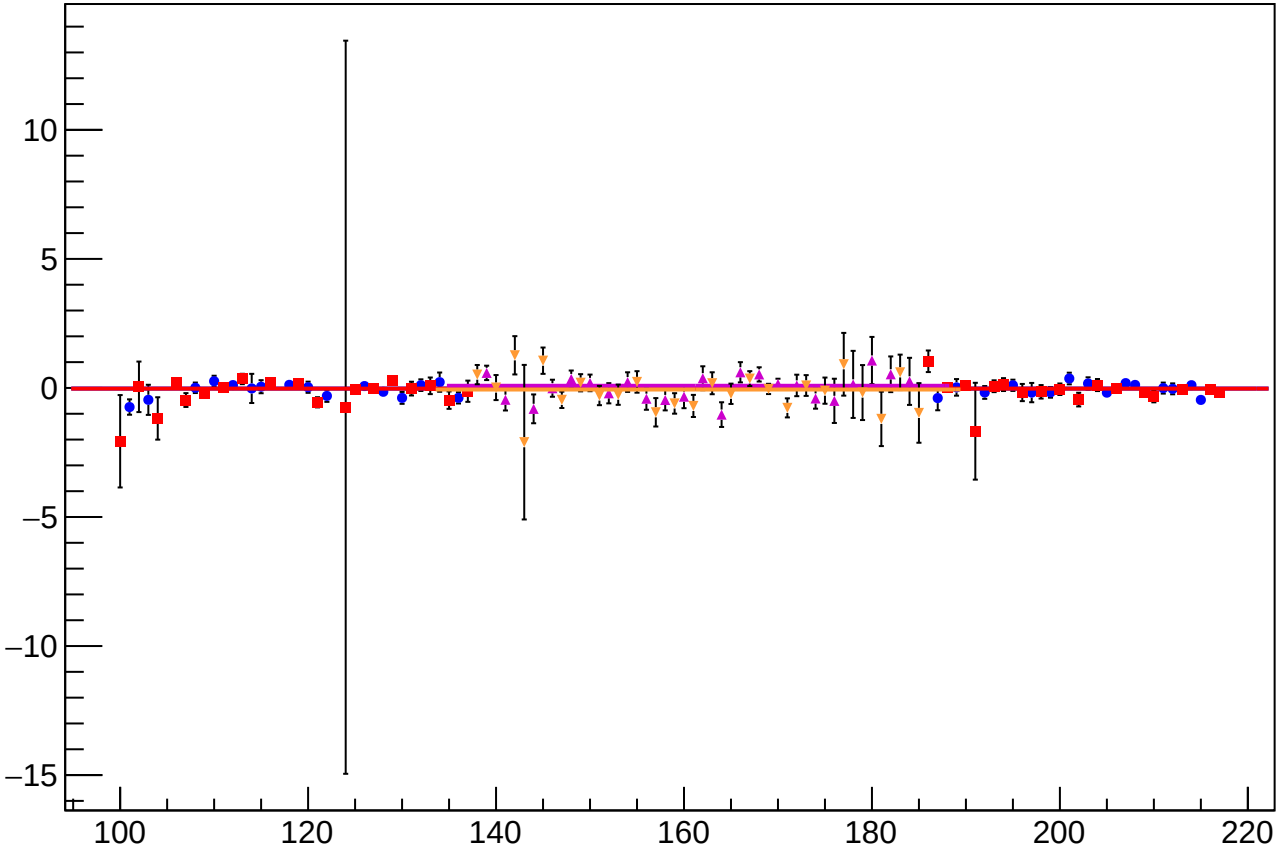
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 178.301+/-0.024 χ^2/NDF: 16828563.0/55

All: 171.324+/-0.016 χ^2/NDF: 35003963.8/11

- sign 165.226+/-0.022 χ^2/NDF: 18015395.2/58

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

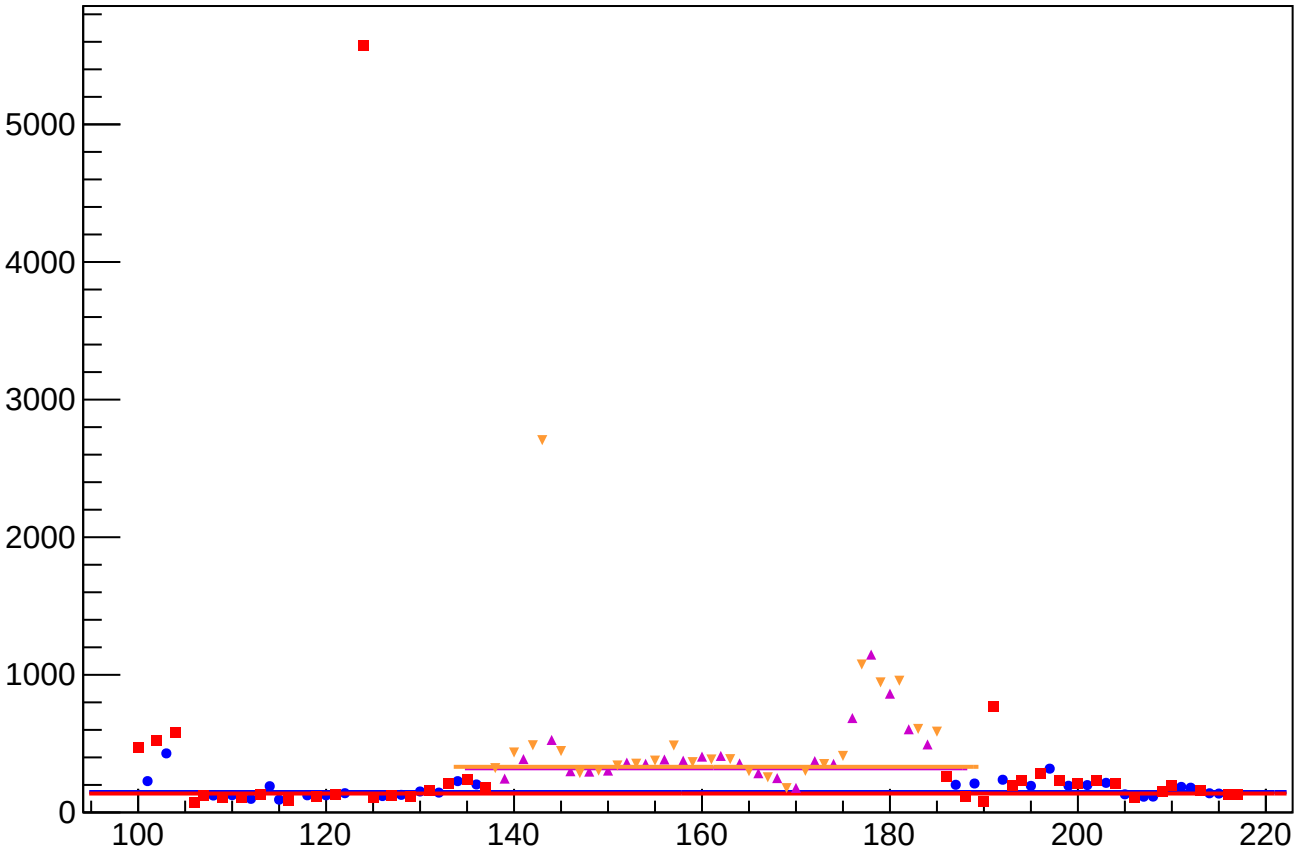
Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.030+/-0.034 χ^2/NDF: 69.5/55

All: -0.019+/-0.023 χ^2/NDF: 142.9/114

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58



Right In: 148.483+/-0.026 χ^2/NDF: 2970120.8/30

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

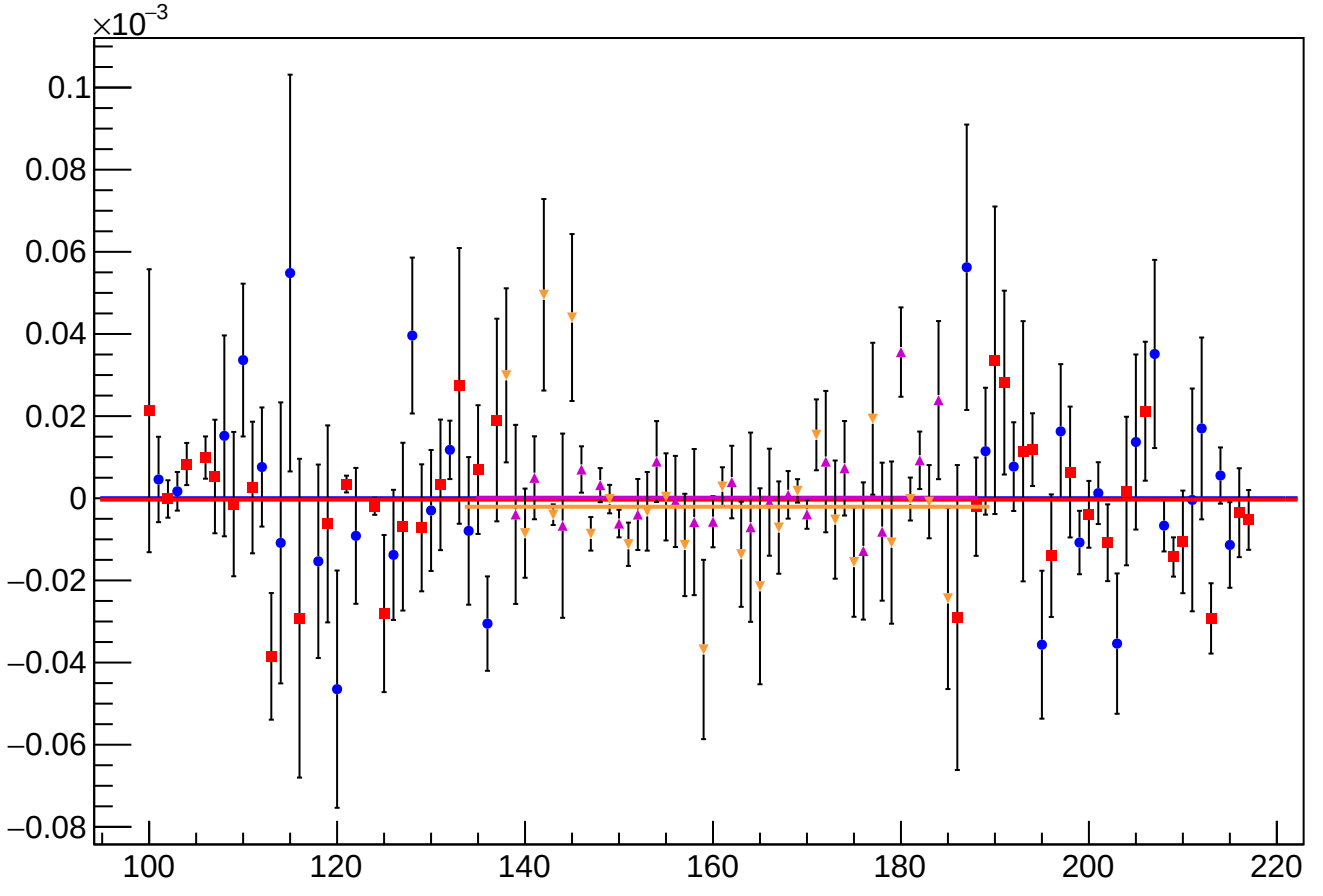
Right Out: 137.484+/-0.024 χ^2/NDF: 5110509.7/35

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 178.301+/-0.024 χ^2/NDF: 16828563.0/55

All: 171.324+/-0.016 χ^2/NDF: 35003963.8/11

- sign 165.226+/-0.022 χ^2/NDF: 18015395.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.5/35

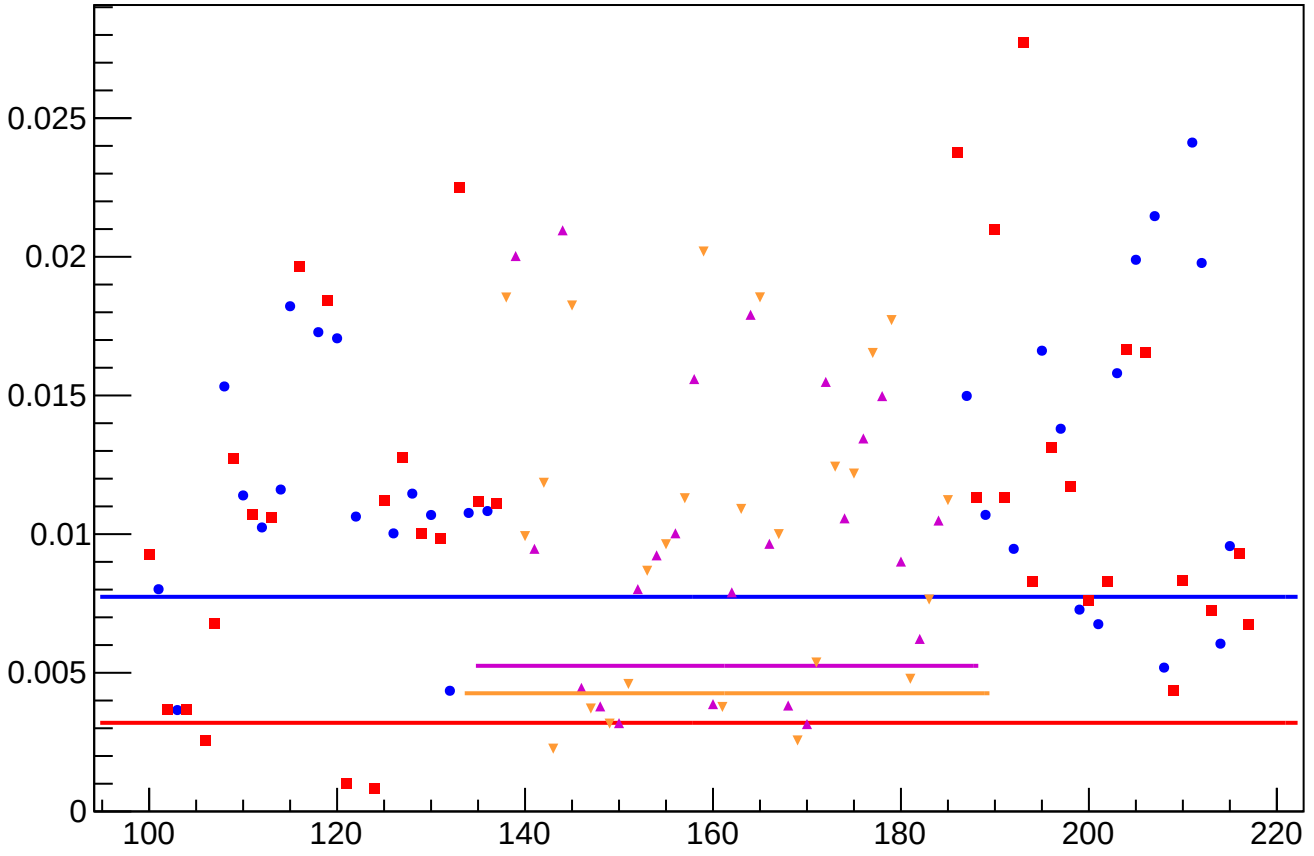
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.8/55

All: -0.000+/-0.000 χ^2/NDF: 159.2/114

- sign -0.000+/-0.000 χ^2/NDF: 77.5/58

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 8072872.8/30

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

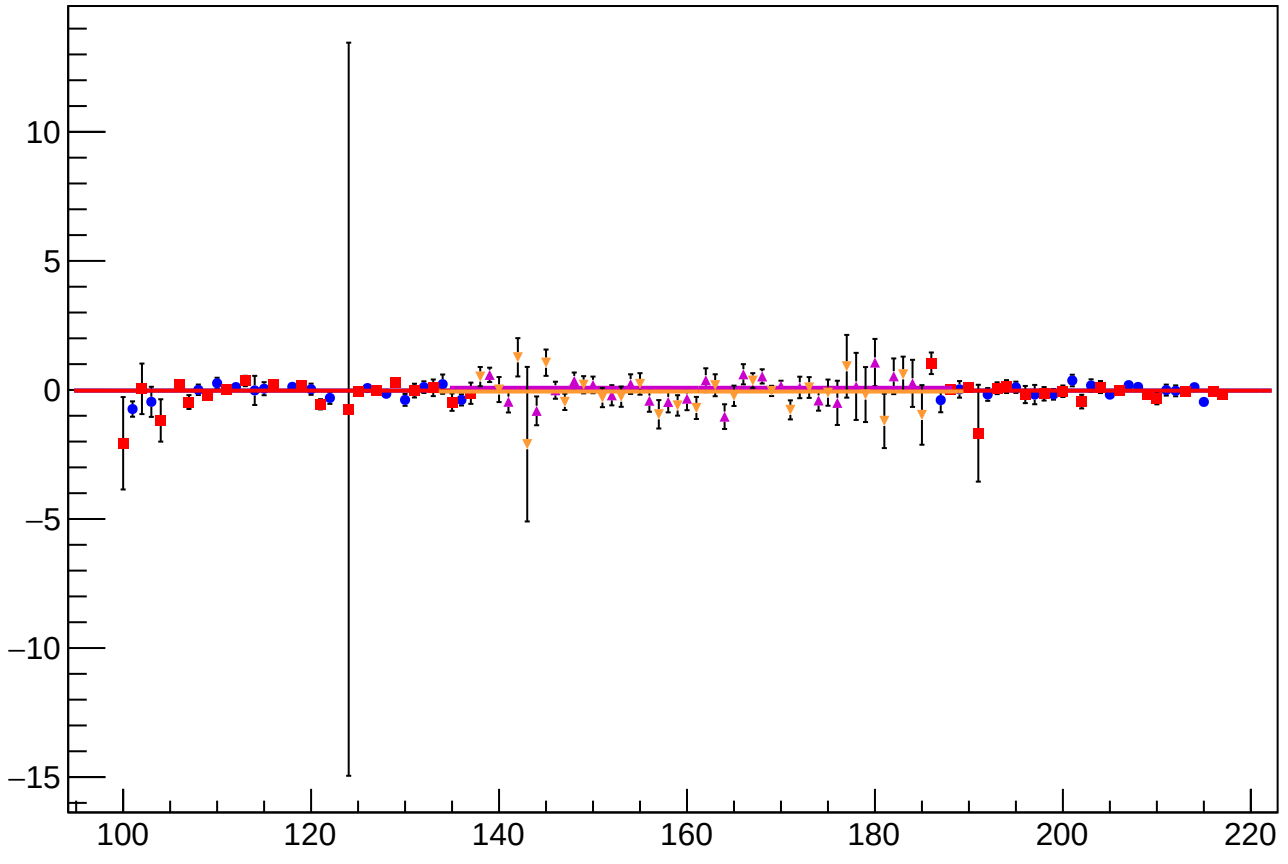
Right Out: 0.003+/-0.000 χ^2/NDF: 21854078.4/35

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 25210280.0/55

All: 0.004+/-0.000 χ^2/NDF: 60606226.6/114

- sign 0.004+/-0.000 χ^2/NDF: 33751998.7/58



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

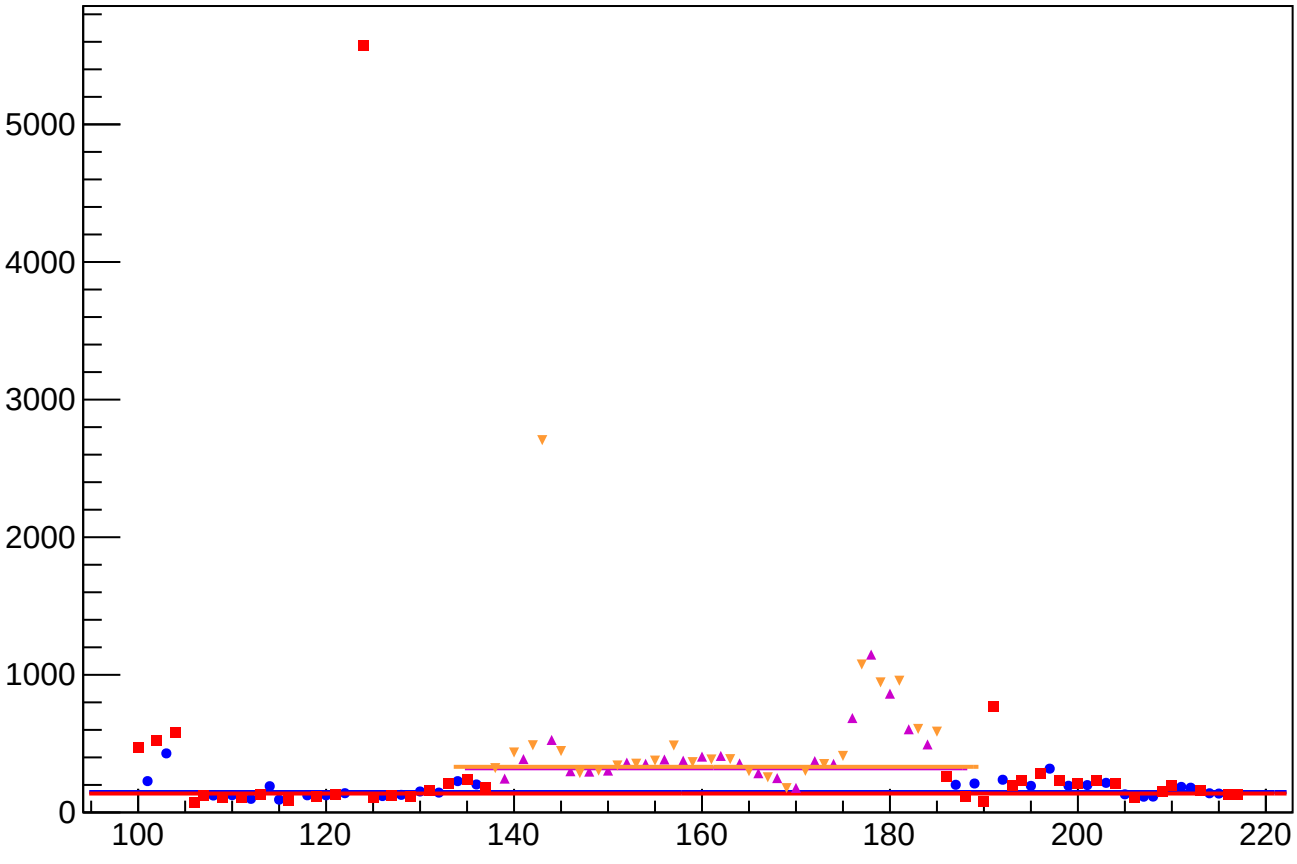
Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.030+/-0.034 χ^2/NDF: 69.5/55

All: -0.019+/-0.023 χ^2/NDF: 142.9/114

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58



Right In: 148.483+/-0.026 χ^2/NDF: 2970104.4/30

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

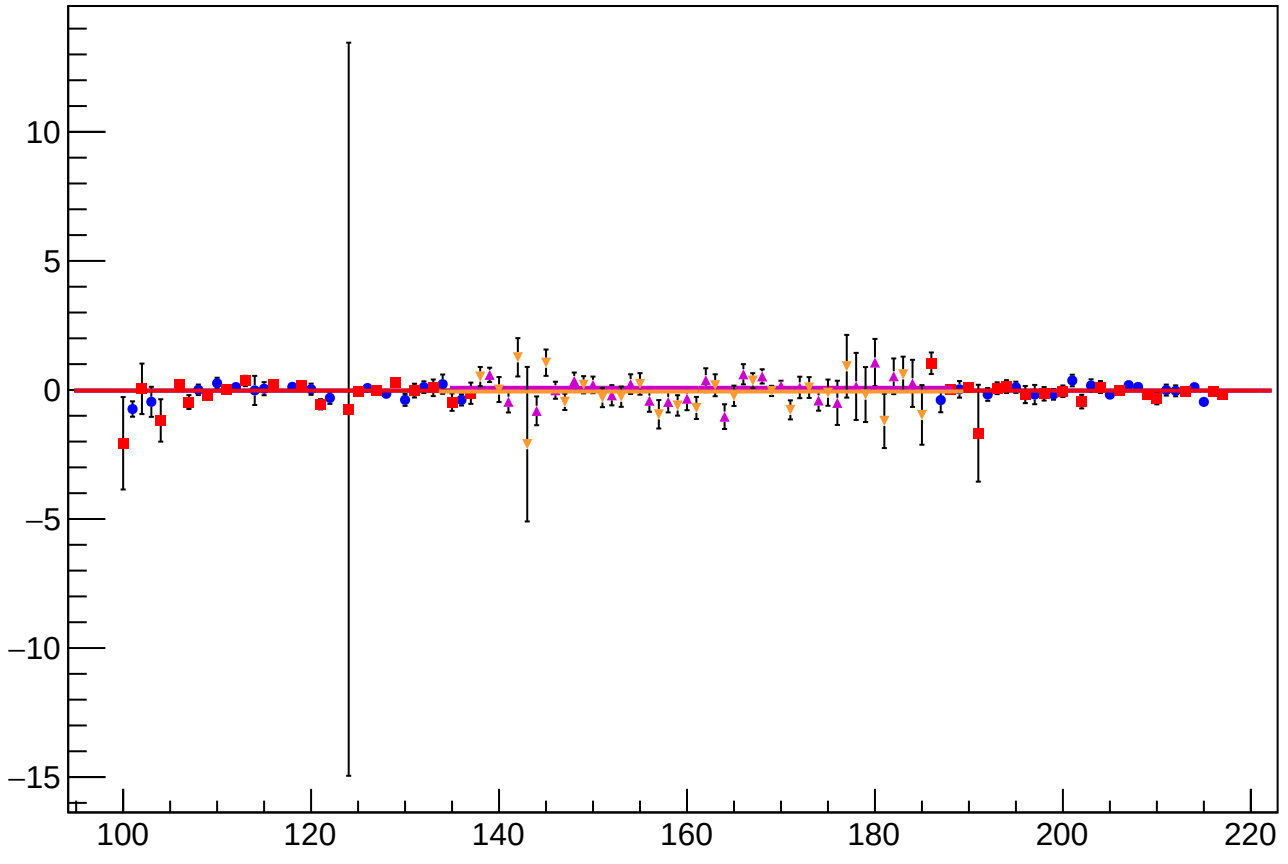
Right Out: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 178.301+/-0.024 χ^2/NDF: 16828688.8/55

All: 171.324+/-0.016 χ^2/NDF: 35004330.7/11

- sign 165.225+/-0.022 χ^2/NDF: 18015620.8/58



Right In: -0.023+/-0.037 χ^2/NDF: 38.6/30

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

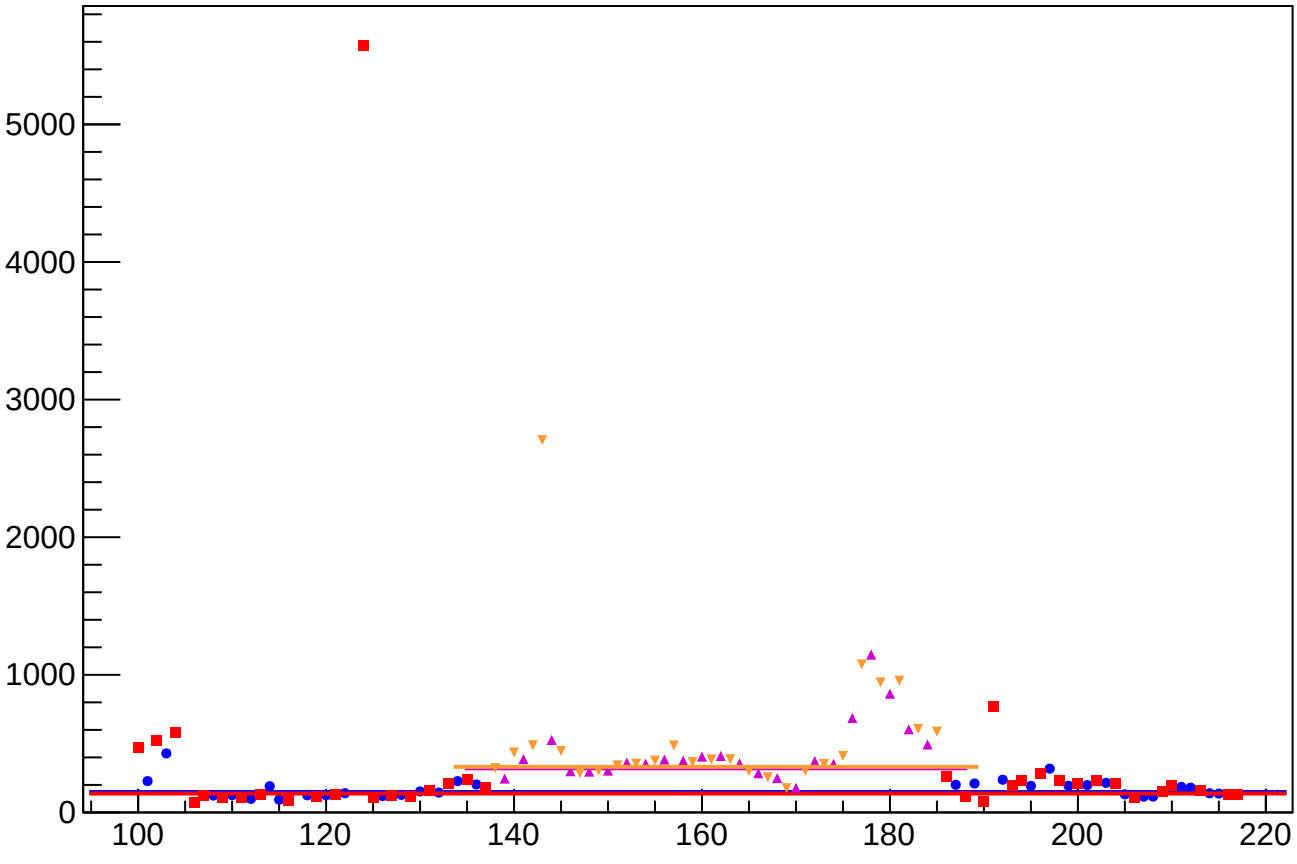
Right Out: -0.026+/-0.034 χ^2/NDF: 44.6/35

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.030+/-0.034 χ^2/NDF: 69.5/55

All: -0.019+/-0.023 χ^2/NDF: 142.9/114

- sign -0.010+/-0.032 χ^2/NDF: 73.1/58



Right In: 148.483+/-0.026 χ^2/NDF: 2970104.4/30

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

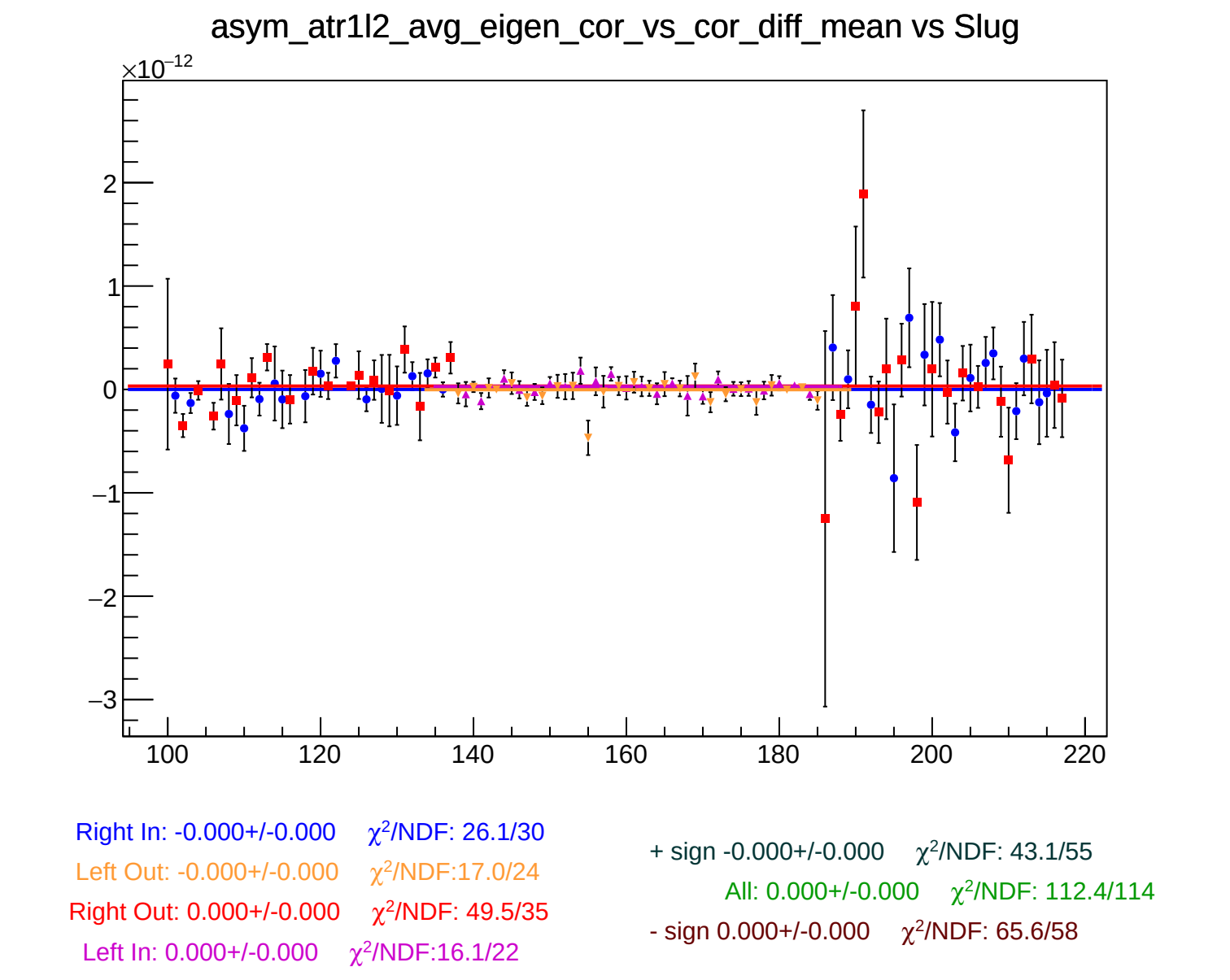
Right Out: 137.483+/-0.024 χ^2/NDF: 5110531.9/35

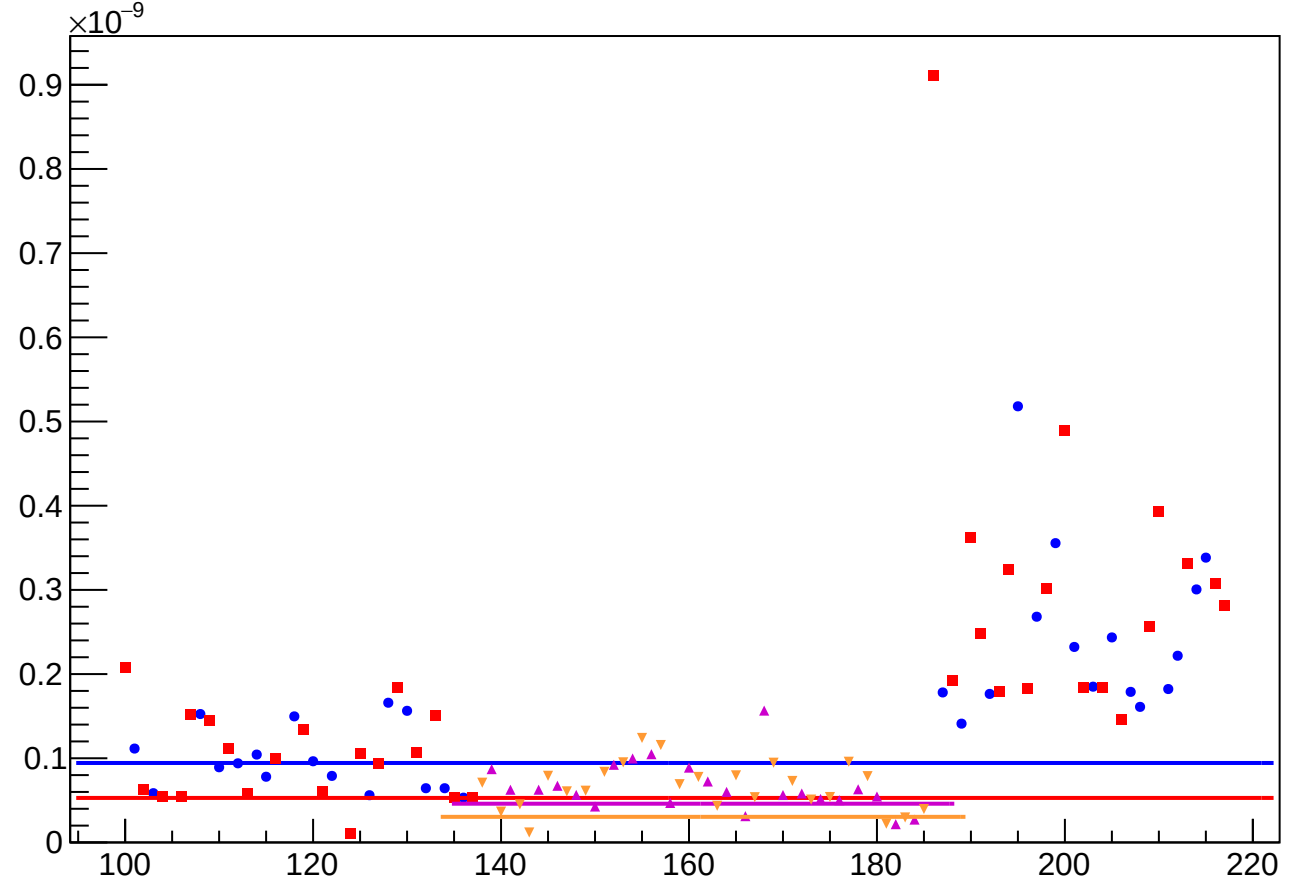
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 178.301+/-0.024 χ^2/NDF: 16828688.8/55

All: 171.324+/-0.016 χ^2/NDF: 35004330.7/11

- sign 165.225+/-0.022 χ^2/NDF: 18015620.8/58


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.1/30
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 49.5/35
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 43.1/55
All: 0.000+/-0.000 χ²/NDF: 112.4/114
- sign 0.000+/-0.000 χ²/NDF: 65.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6598242.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14165161.4/35

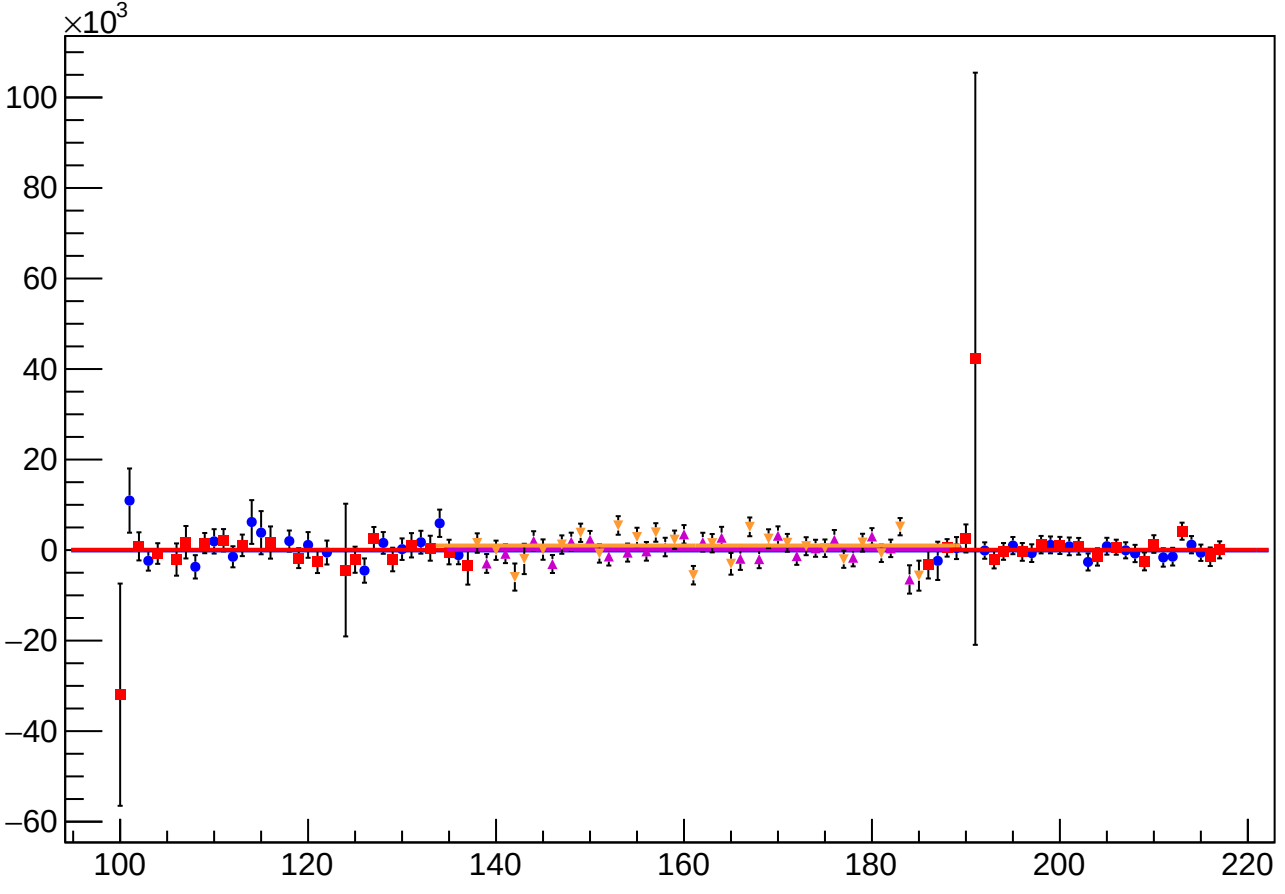
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 23500167.6/55

All: 0.000+/-0.000 χ^2/NDF: 43712996.1/114

- sign 0.000+/-0.000 χ^2/NDF: 19182006.6/58

reg_asym_atr1l2_dd_mean vs Slug



Right In: -74.185+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.586+/-395.330 χ^2/NDF: 21.5/35

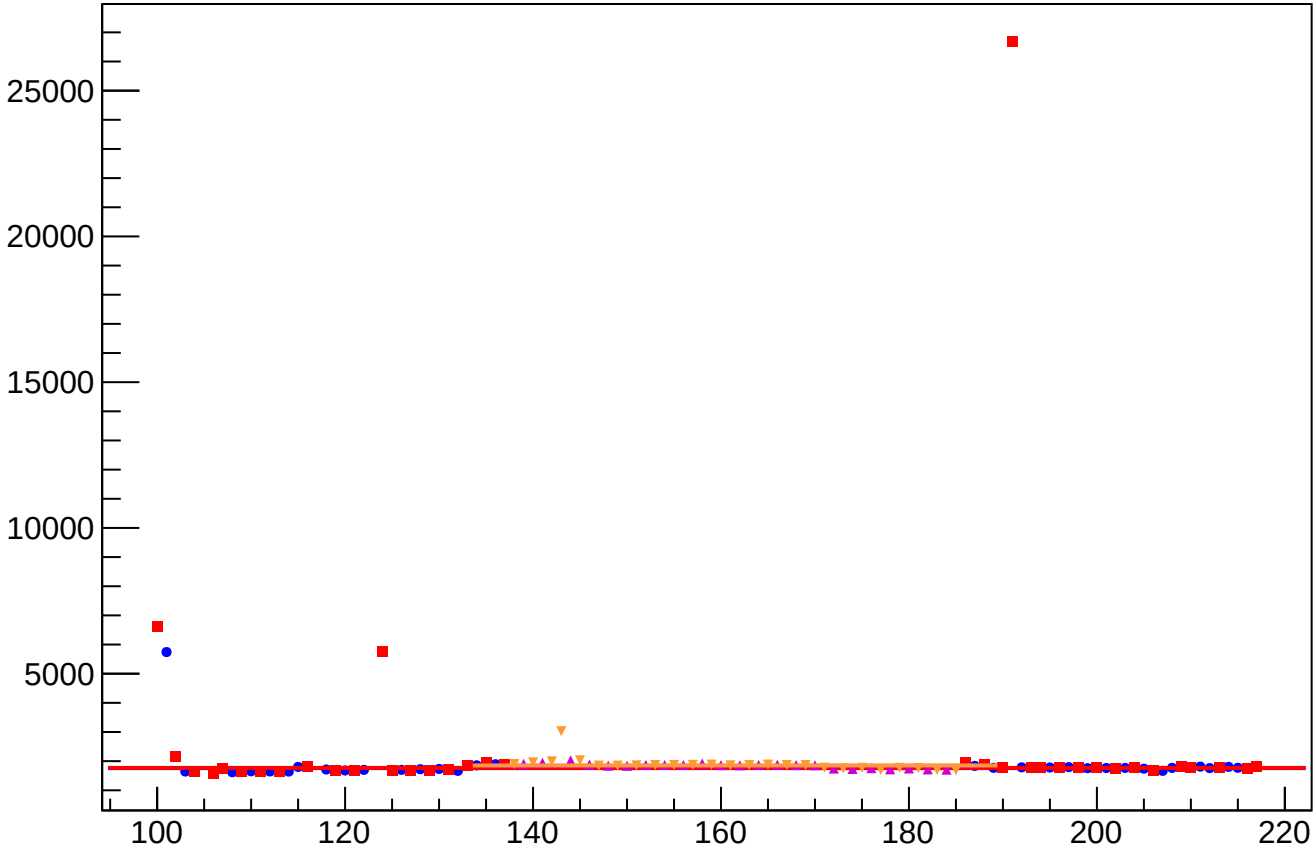
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 441.656+/-292.273 χ^2/NDF: 73.7/55

All: 292.091+/-206.193 χ^2/NDF: 122.2/114

- sign 143.894+/-290.933 χ^2/NDF: 47.9/58

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.0/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.728+/-0.279 χ^2/NDF: 647239.2/35

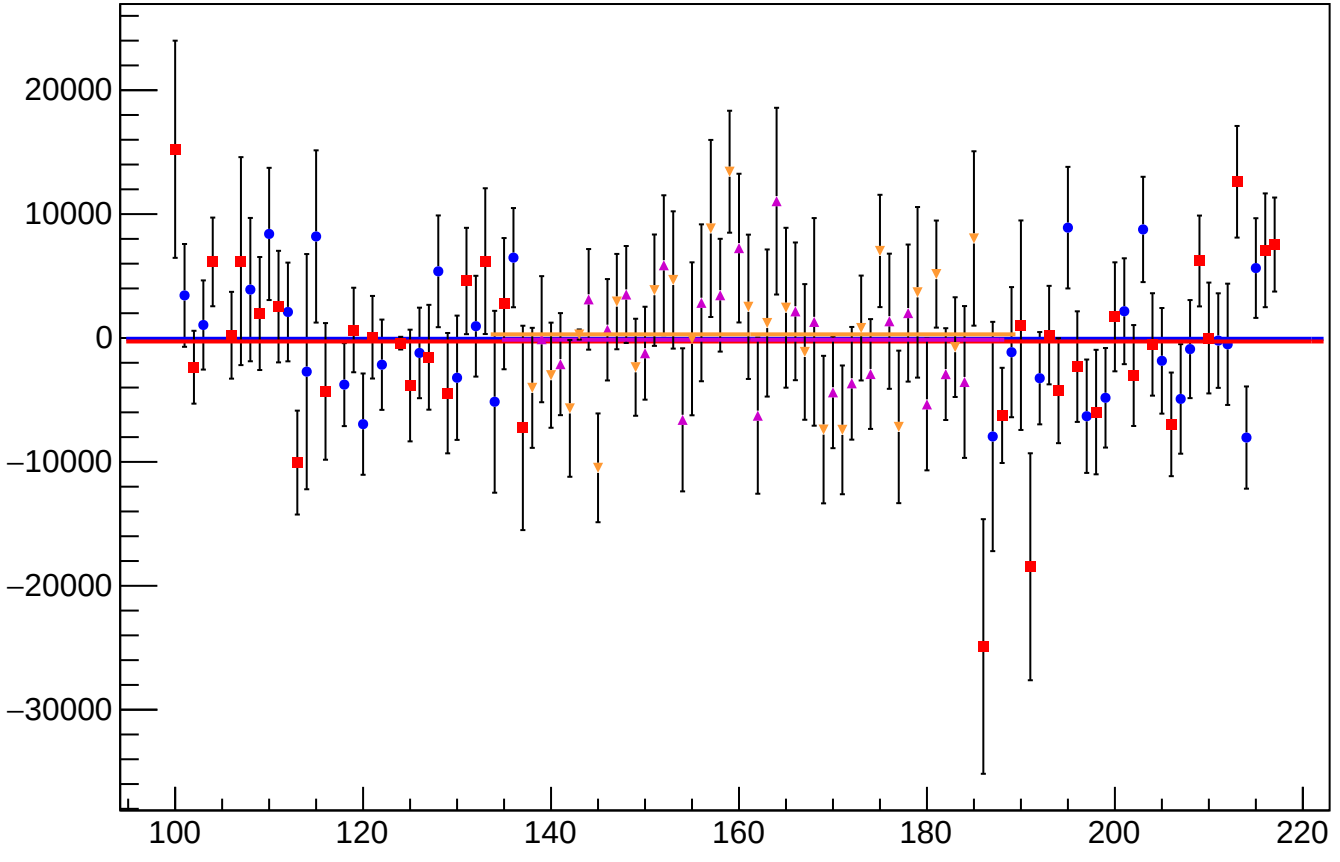
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.788+/-0.207 χ^2/NDF: 1050217.3/55

All: 1802.425+/-0.146 χ^2/NDF: 1795673.2/11

- sign 1800.089+/-0.205 χ^2/NDF: 745195.8/58

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -62.568+/-788.801 χ^2/NDF: 35.0/30

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -280.848+/-422.632 χ^2/NDF: 55.1/35

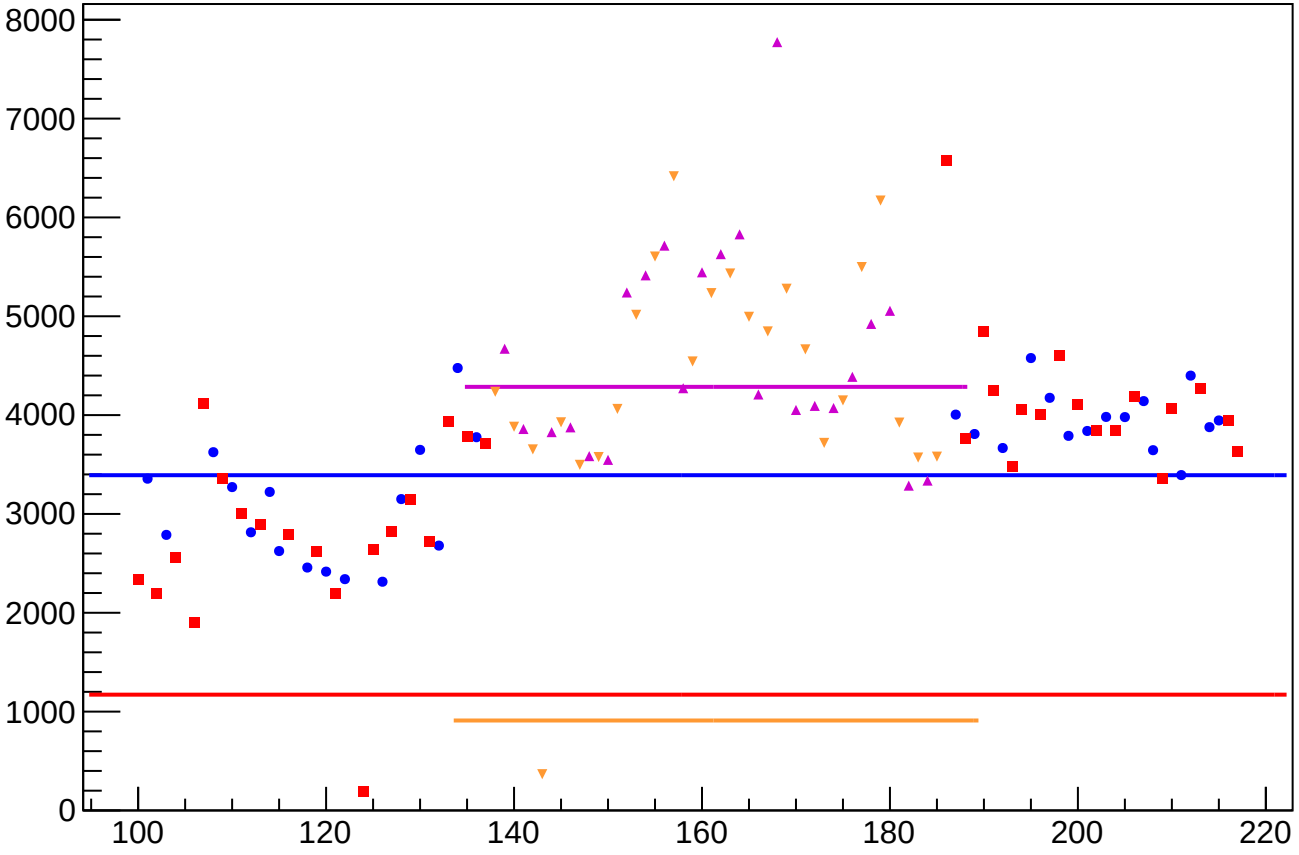
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 227.189+/-342.288 χ^2/NDF: 65.2/55

All: 15.544+/-257.433 χ^2/NDF: 135.1/114

- sign -260.071+/-390.607 χ^2/NDF: 69.0/58

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3391.982+/-0.558 χ^2/NDF: 1414276.1/30

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1171.557+/-0.299 χ^2/NDF: 25480600.8/35

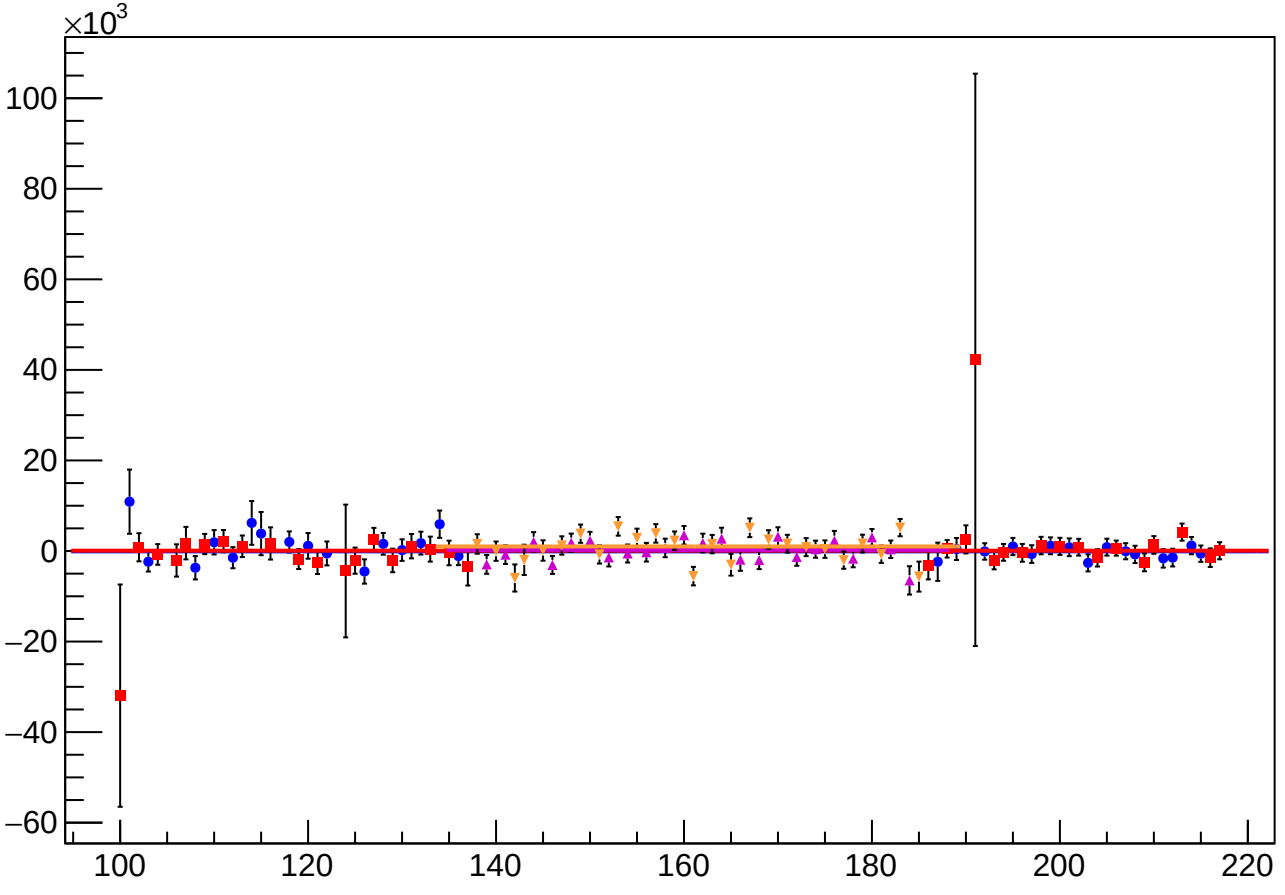
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1377.466+/-0.242 χ^2/NDF: 44259334.5/55

All: 1485.262+/-0.182 χ^2/NDF: 87358865.7/1

- sign 1625.640+/-0.276 χ^2/NDF: 42642858.5/58

cor_asym_atr1l2_dd_mean vs Slug



Right In: -74.323+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.574+/-395.330 χ^2/NDF: 21.5/35

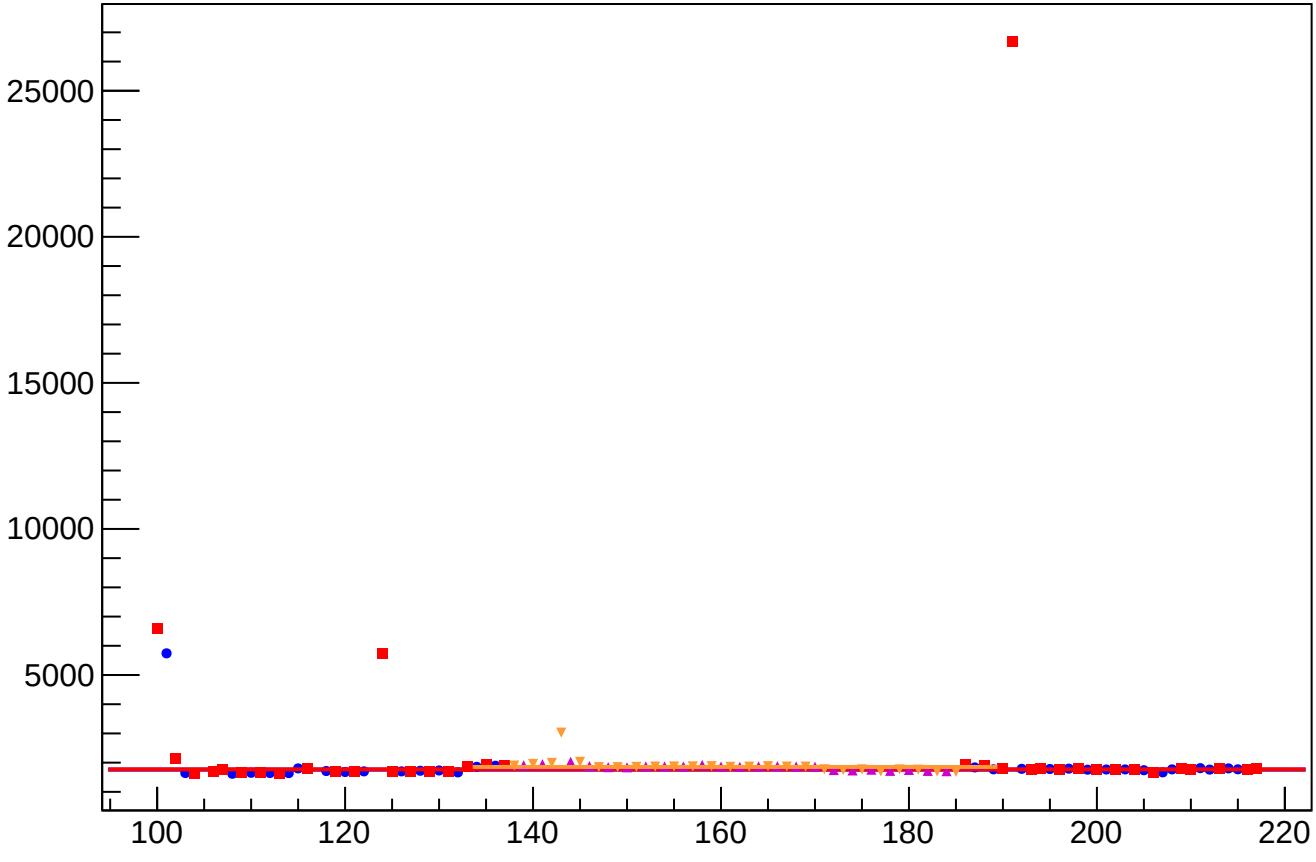
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 441.564+/-292.273 χ^2/NDF: 73.7/55

All: 292.022+/-206.193 χ^2/NDF: 122.2/114

- sign 143.849+/-290.933 χ^2/NDF: 47.9/58

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.2/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

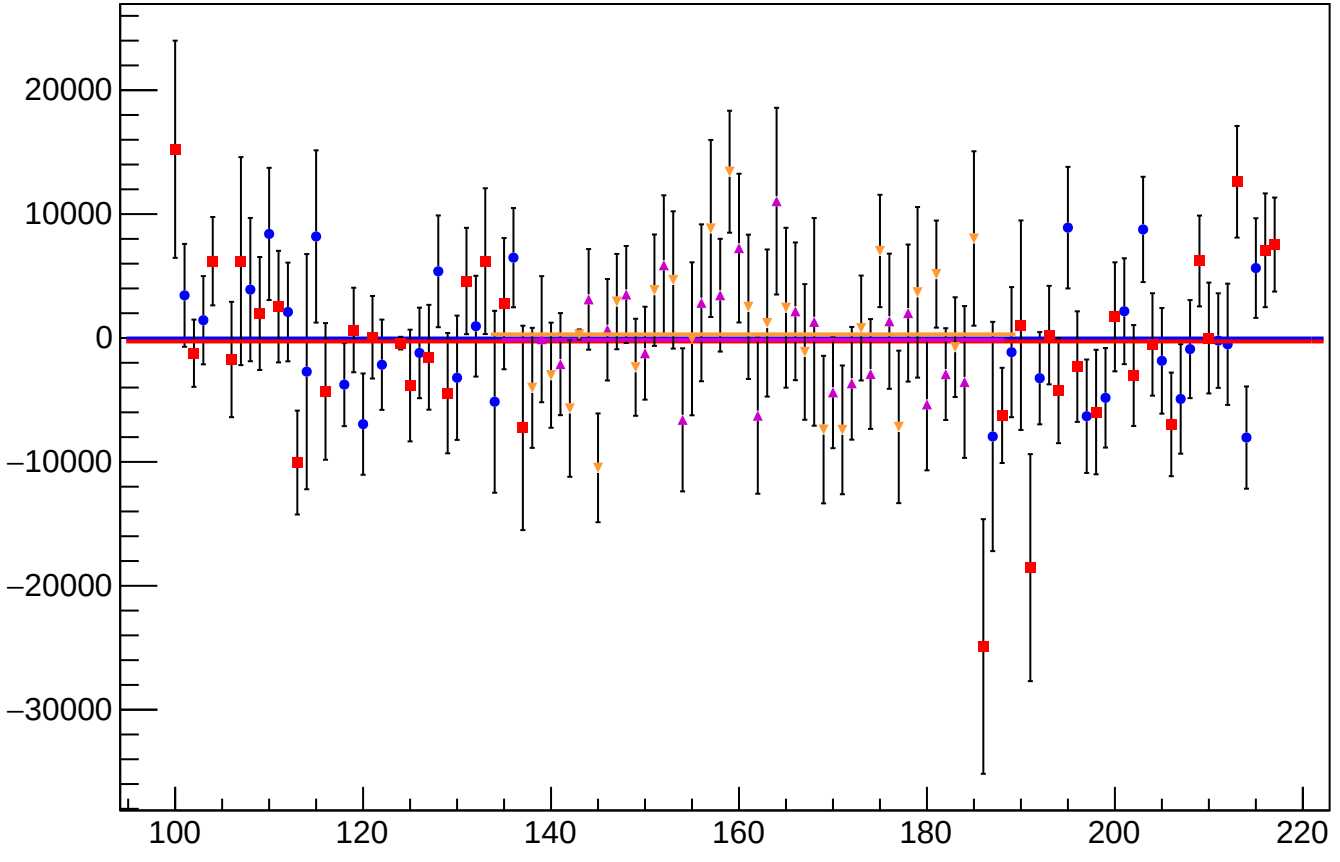
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.788+/-0.207 χ^2/NDF: 1050217.6/55

All: 1803.138+/-0.146 χ^2/NDF: 1785189.0/11

- sign 1801.506+/-0.206 χ^2/NDF: 734844.5/58

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -42.505+/-788.418 χ^2/NDF: 35.1/30

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -278.777+/-423.350 χ^2/NDF: 54.9/35

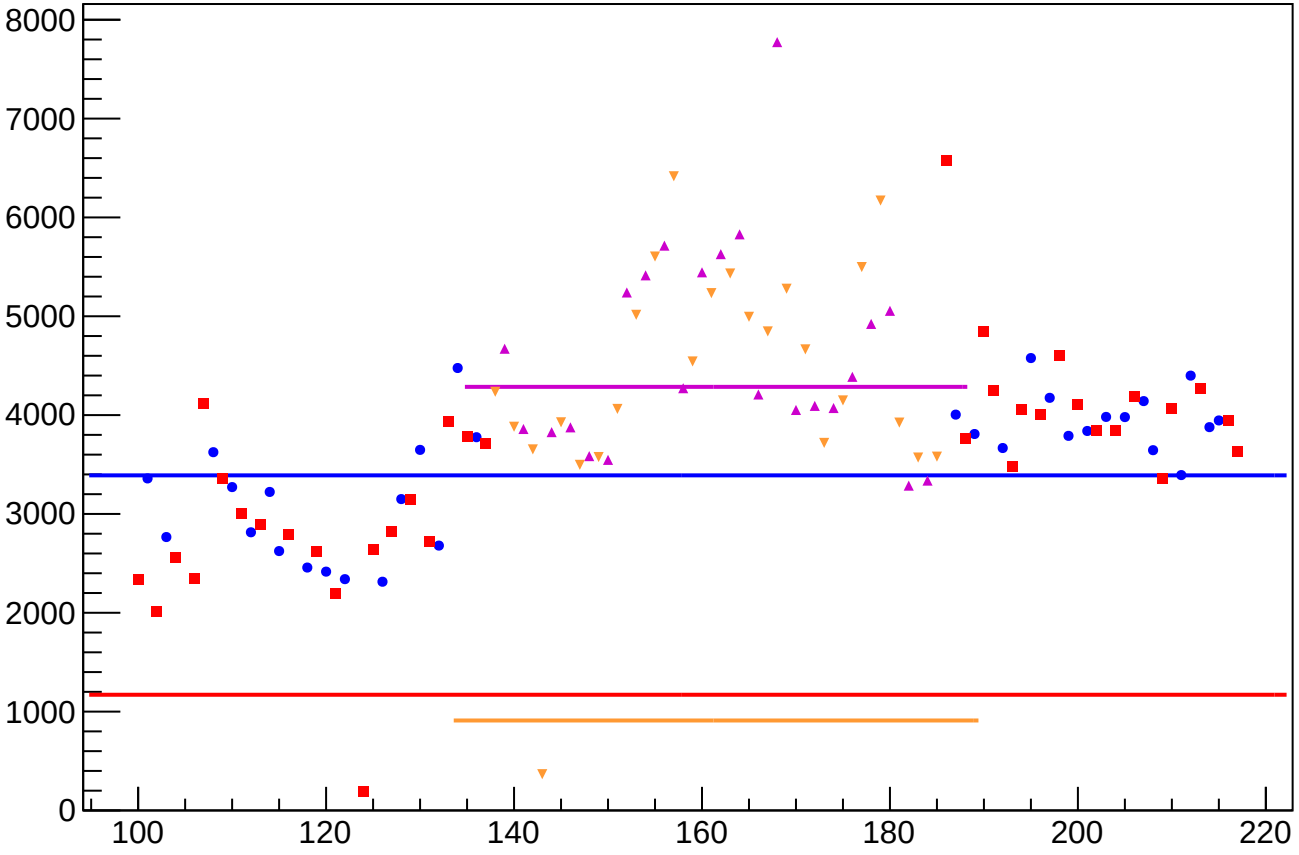
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 231.640+/-342.278 χ^2/NDF: 65.3/55

All: 19.217+/-257.590 χ^2/NDF: 135.0/114

- sign -258.231+/-391.174 χ^2/NDF: 68.8/58

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3390.378+/-0.557 χ^2/NDF: 1419713.5/30

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

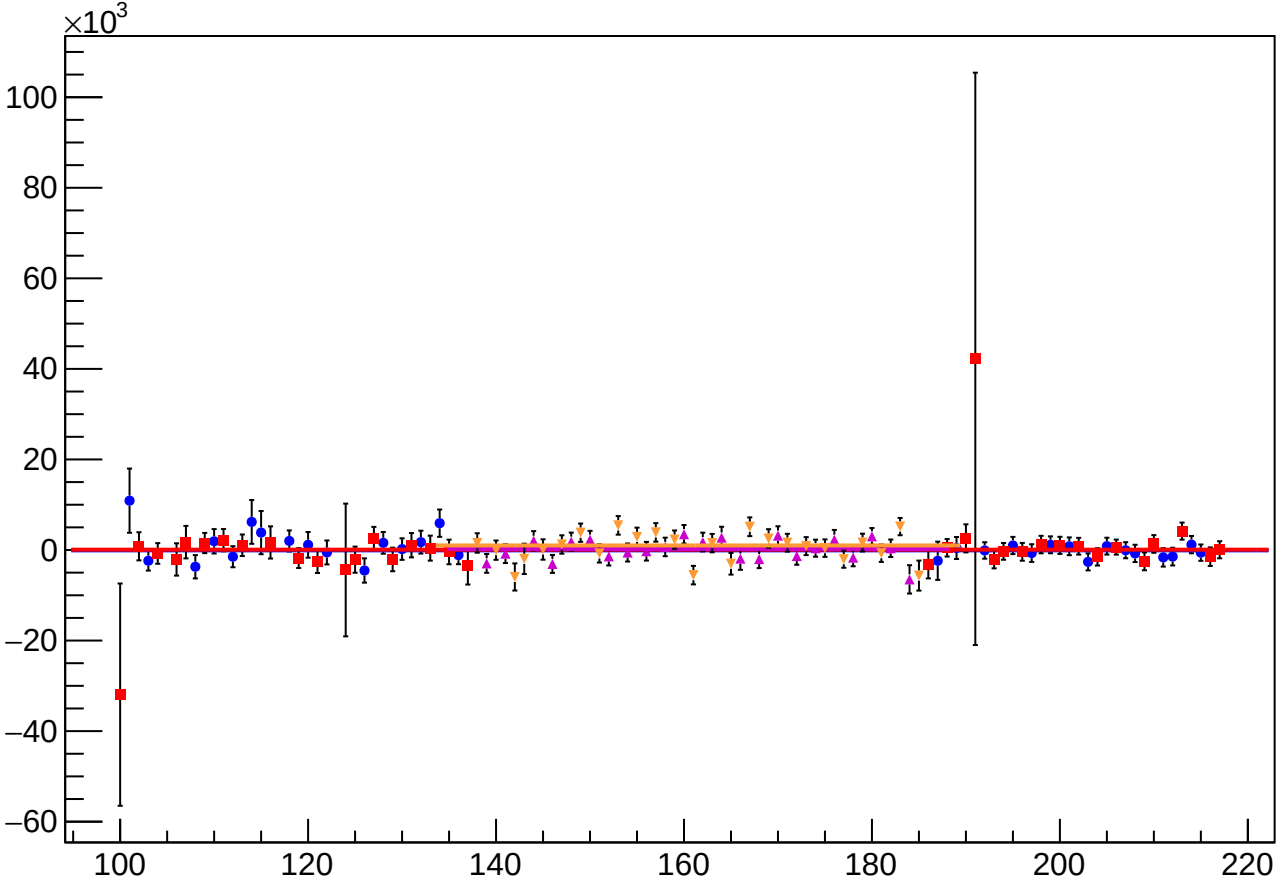
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1377.686+/-0.242 χ^2/NDF: 44253492.6/55

All: 1485.422+/-0.182 χ^2/NDF: 87331455.7/1

- sign 1626.137+/-0.277 χ^2/NDF: 42621009.5/58

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -74.323+/-404.673 χ^2/NDF: 23.0/30

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 71.574+/-395.330 χ^2/NDF: 21.5/35

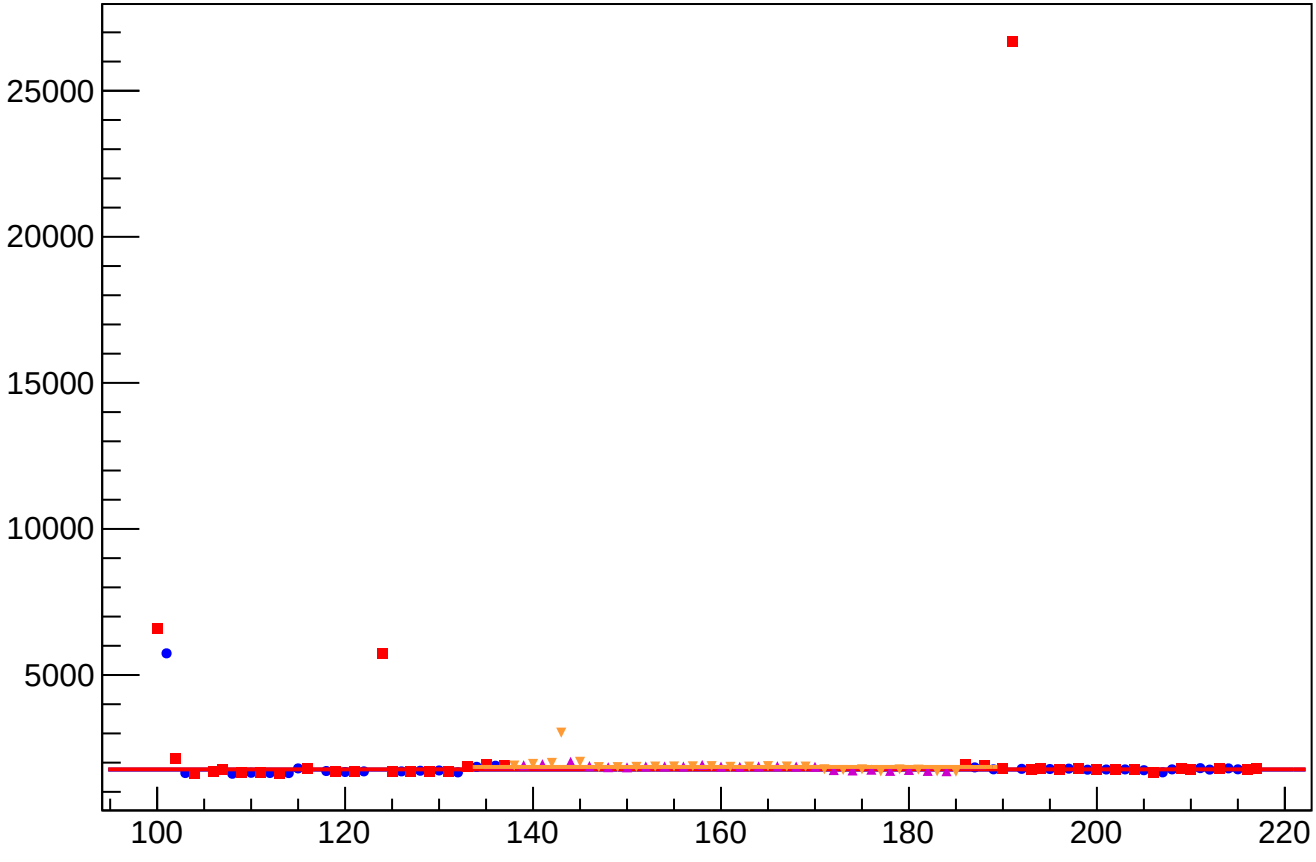
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 441.564+/-292.273 χ^2/NDF: 73.7/55

All: 292.022+/-206.193 χ^2/NDF: 122.2/114

- sign 143.849+/-290.933 χ^2/NDF: 47.9/58

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.004+/-0.286 χ^2/NDF: 680234.2/30

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

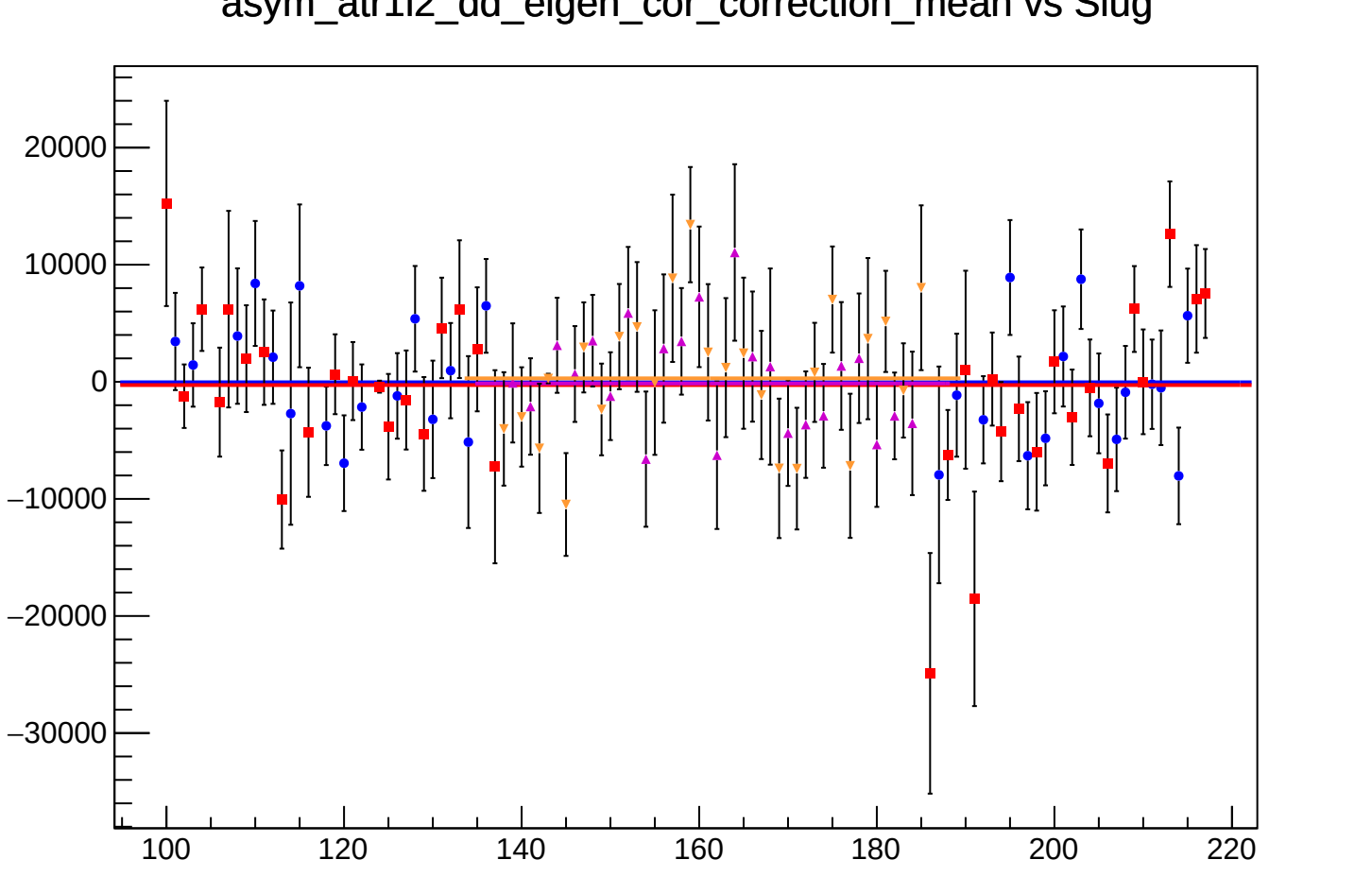
Right Out: 1770.254+/-0.279 χ^2/NDF: 638987.2/35

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1804.788+/-0.207 χ^2/NDF: 1050217.6/55

All: 1803.138+/-0.146 χ^2/NDF: 1785189.0/11

- sign 1801.506+/-0.206 χ^2/NDF: 734844.5/58



Right In: -42.505+/-788.418 χ^2/NDF: 35.1/30

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -278.777+/-423.350 χ^2/NDF: 54.9/35

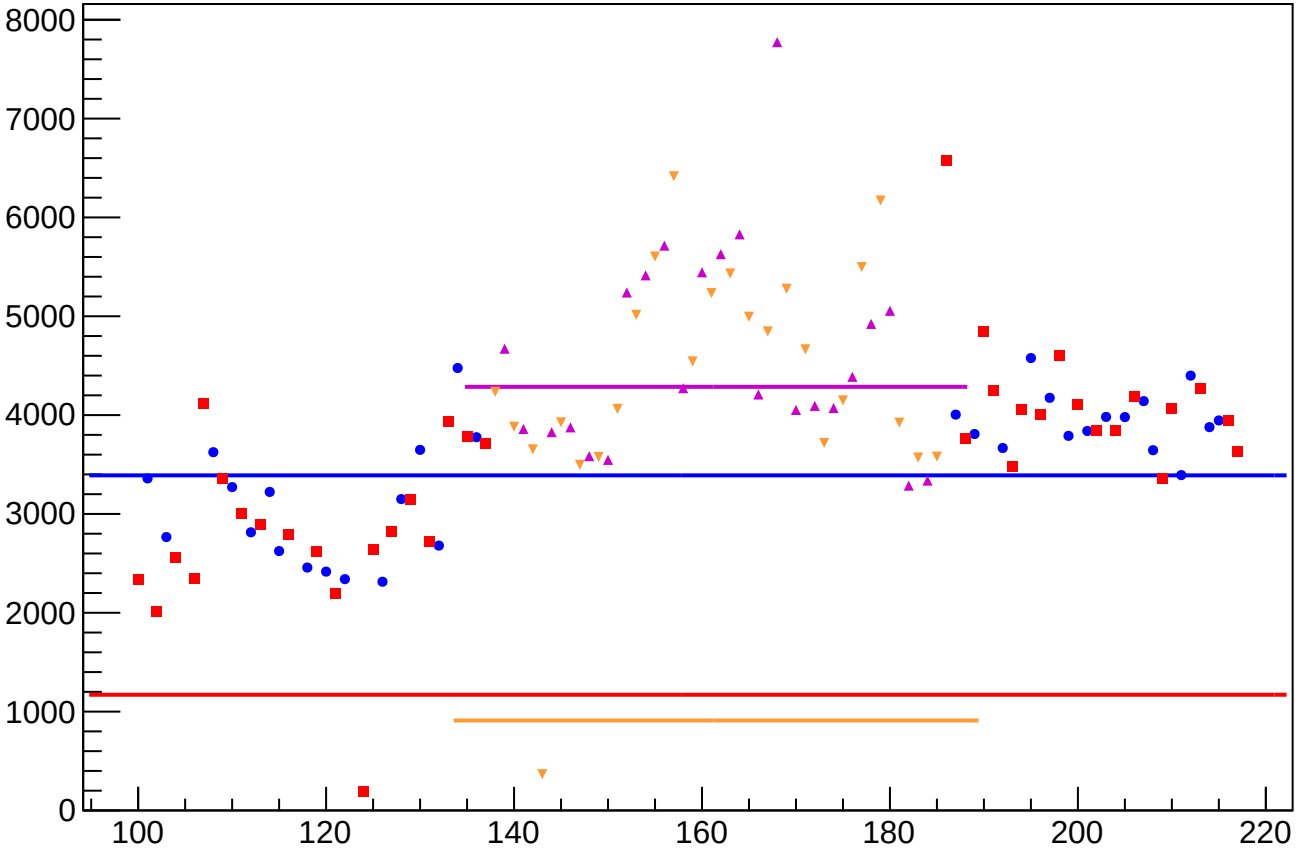
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 231.640+/-342.278 χ^2/NDF: 65.3/55

All: 19.217+/-257.590 χ^2/NDF: 135.0/114

- sign -258.231+/-391.174 χ^2/NDF: 68.8/58

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3390.378+/-0.557 χ^2/NDF: 1419713.5/30

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1170.594+/-0.299 χ^2/NDF: 25456844.1/35

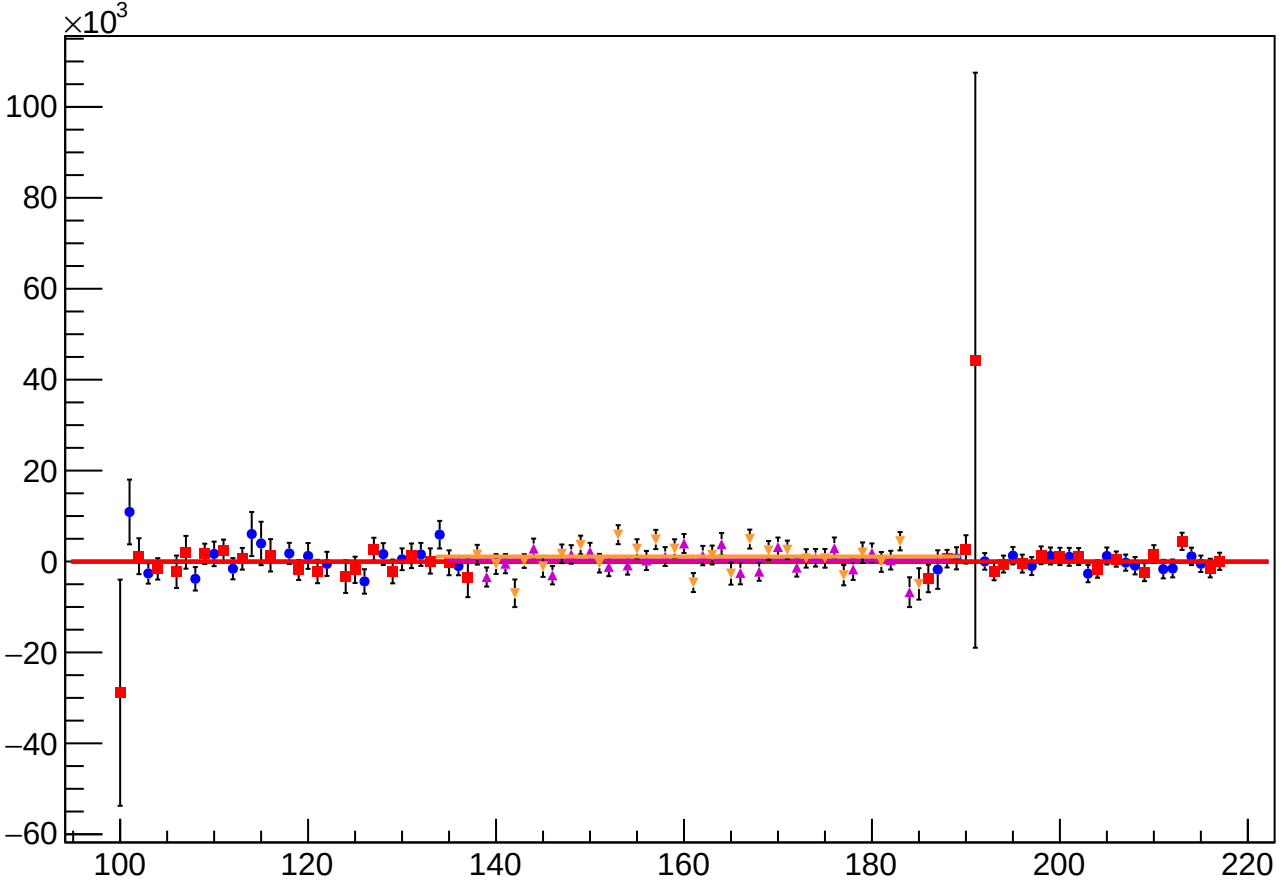
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1377.686+/-0.242 χ^2/NDF: 44253492.6/55

All: 1485.422+/-0.182 χ^2/NDF: 87331455.7/1

- sign 1626.137+/-0.277 χ^2/NDF: 42621009.5/58

dit_asym_atr1l2_dd_mean vs Slug



Right In: -56.398+/-406.888 χ^2/NDF: 23.3/30

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 36.849+/-396.429 χ^2/NDF: 24.0/35

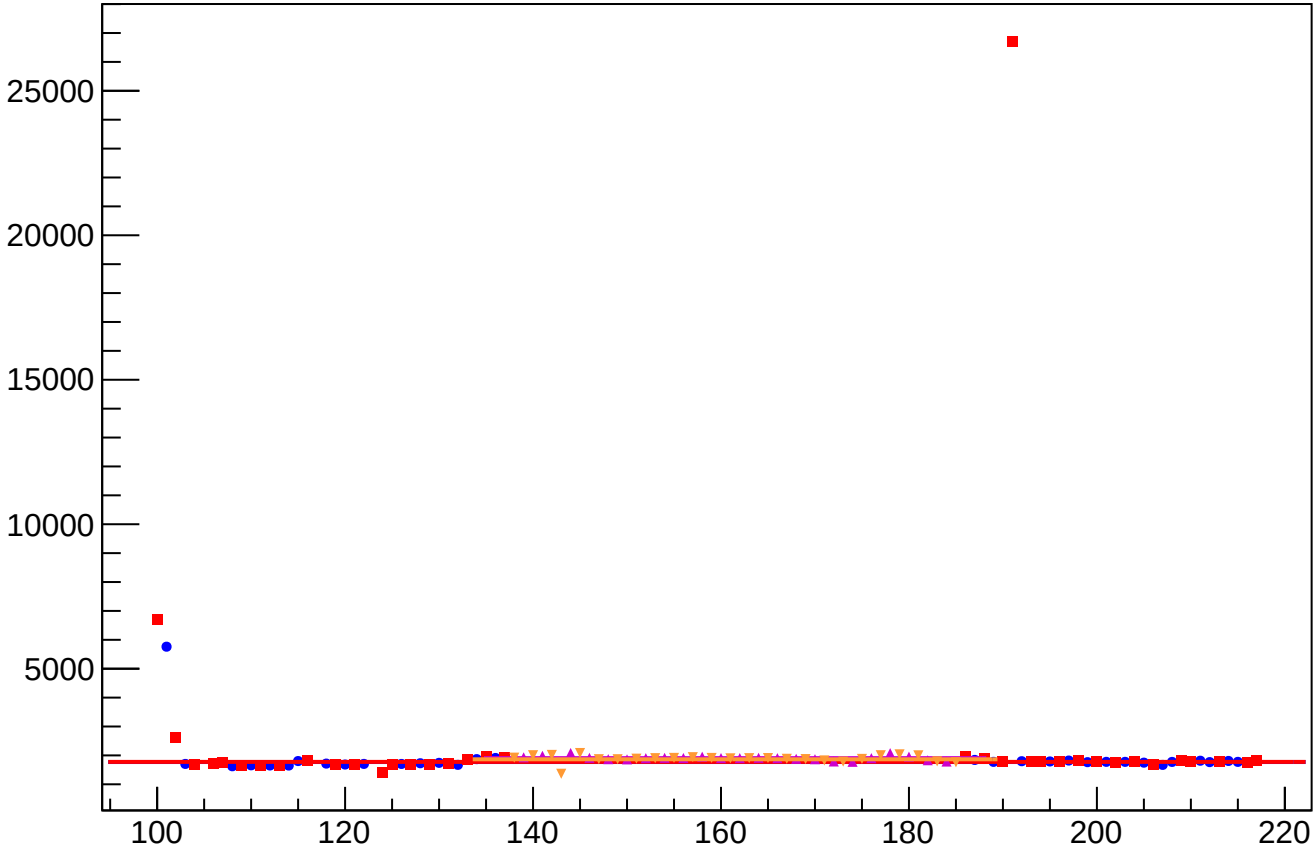
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 497.783+/-294.014 χ^2/NDF: 72.0/55

All: 318.939+/-208.636 χ^2/NDF: 124.5/114

- sign 137.536+/-296.110 χ^2/NDF: 51.8/58

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.649+/-0.288 χ^2/NDF: 678901.6/30

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

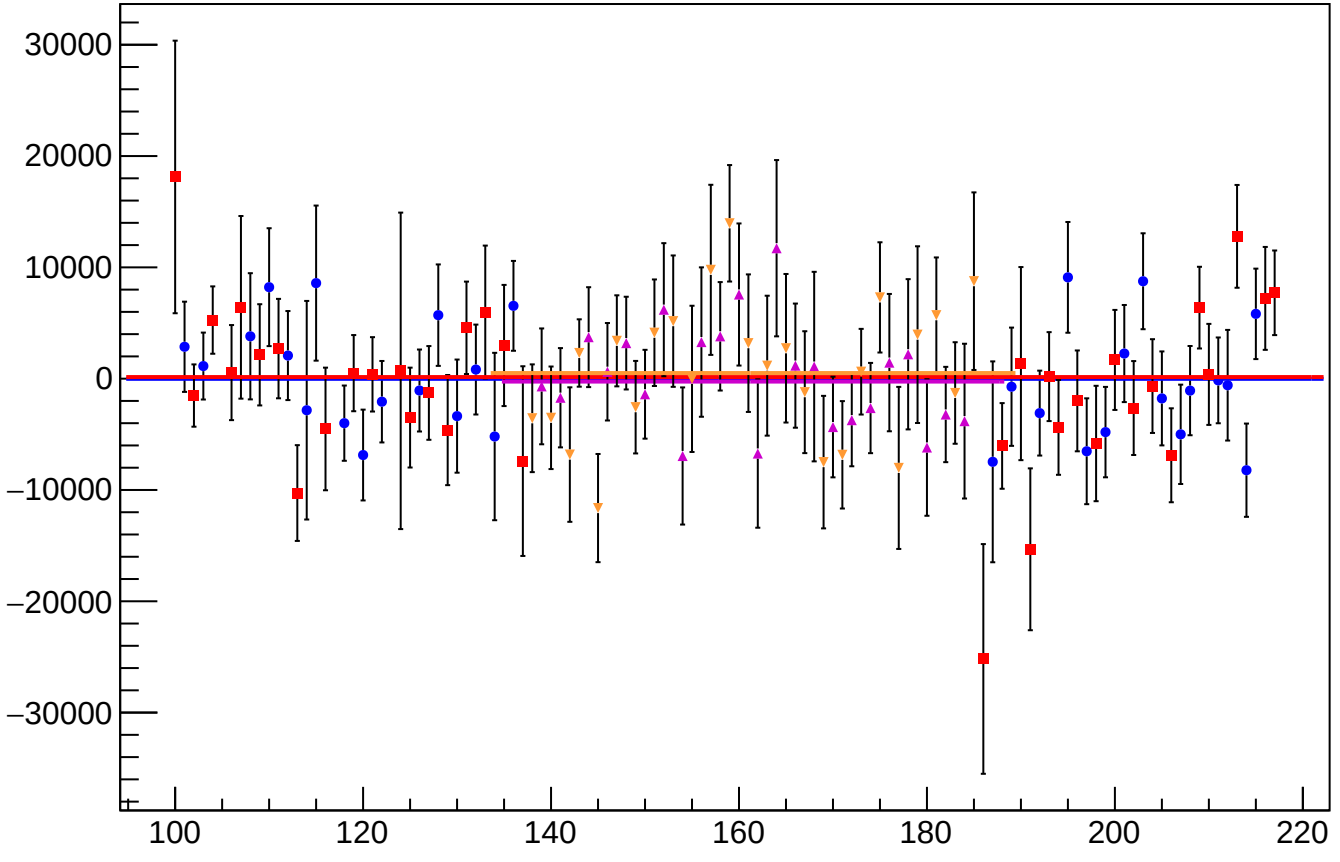
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1815.660+/-0.208 χ^2/NDF: 1024830.1/55

All: 1824.164+/-0.147 χ^2/NDF: 1747512.5/11

- sign 1832.779+/-0.209 χ^2/NDF: 719314.3/58

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -13.400+/-786.405 χ^2/NDF: 35.0/30

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 143.666+/-750.406 χ^2/NDF: 53.8/35

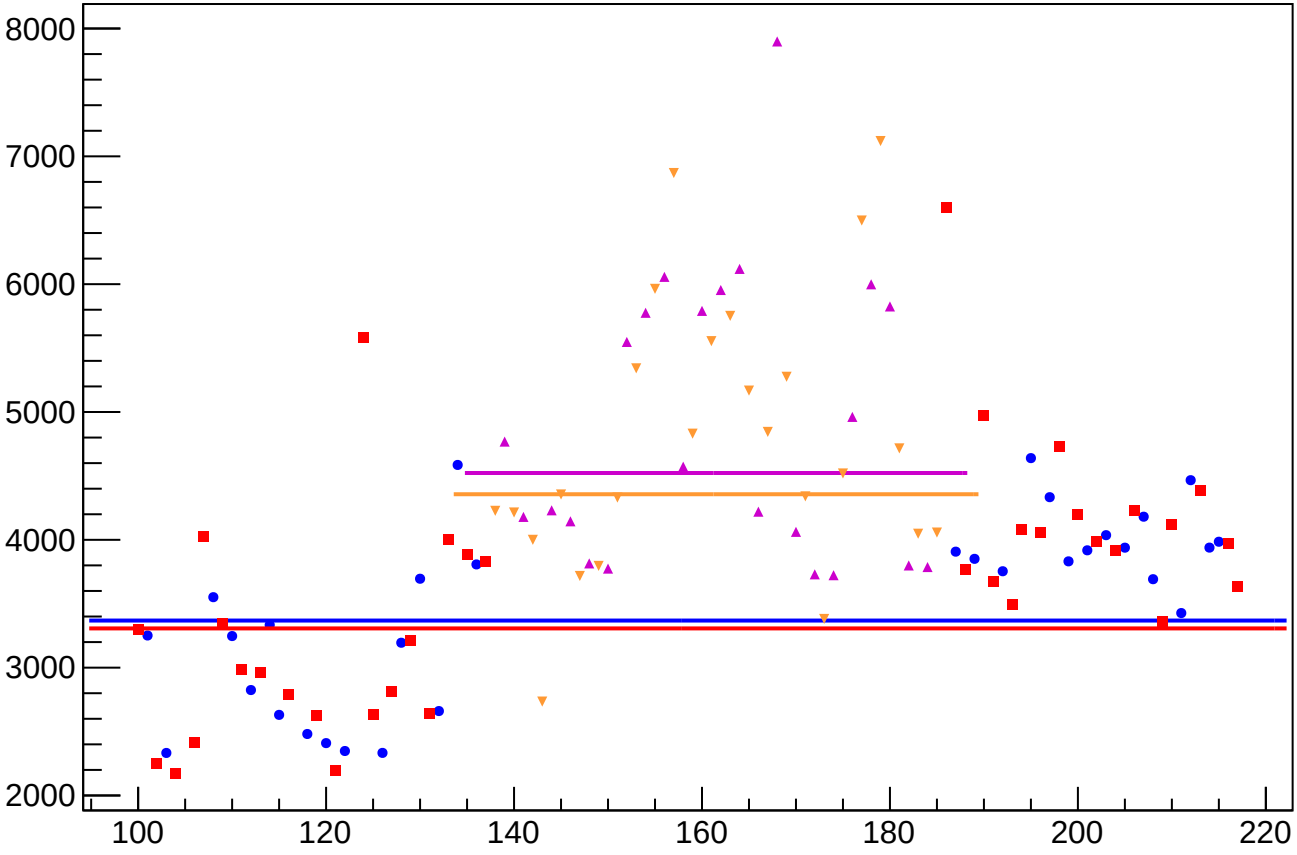
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 179.191+/-623.178 χ^2/NDF: 65.2/55

All: 94.760+/-438.278 χ^2/NDF: 132.7/114

- sign 12.125+/-616.512 χ^2/NDF: 67.5/58

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3368.513+/-0.556 χ^2/NDF: 1671917.6/30

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3306.927+/-0.531 χ^2/NDF: 2331322.5/35

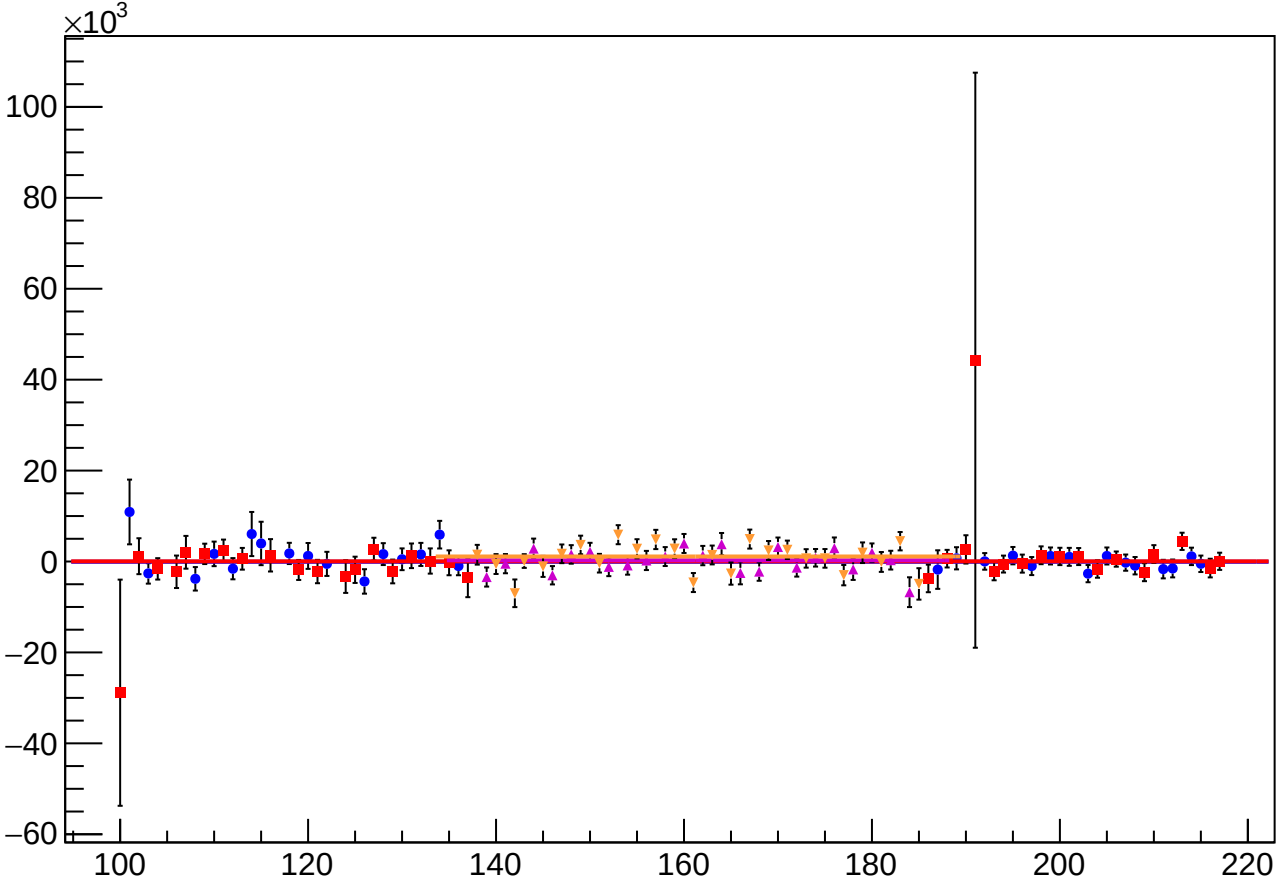
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3736.138+/-0.441 χ^2/NDF: 4759020.2/55

All: 3718.939+/-0.310 χ^2/NDF: 10233896.2/1

- sign 3702.105+/-0.436 χ^2/NDF: 5471861.6/58

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -56.399+/-406.889 χ^2/NDF: 23.3/30

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 36.849+/-396.429 χ^2/NDF: 24.0/35

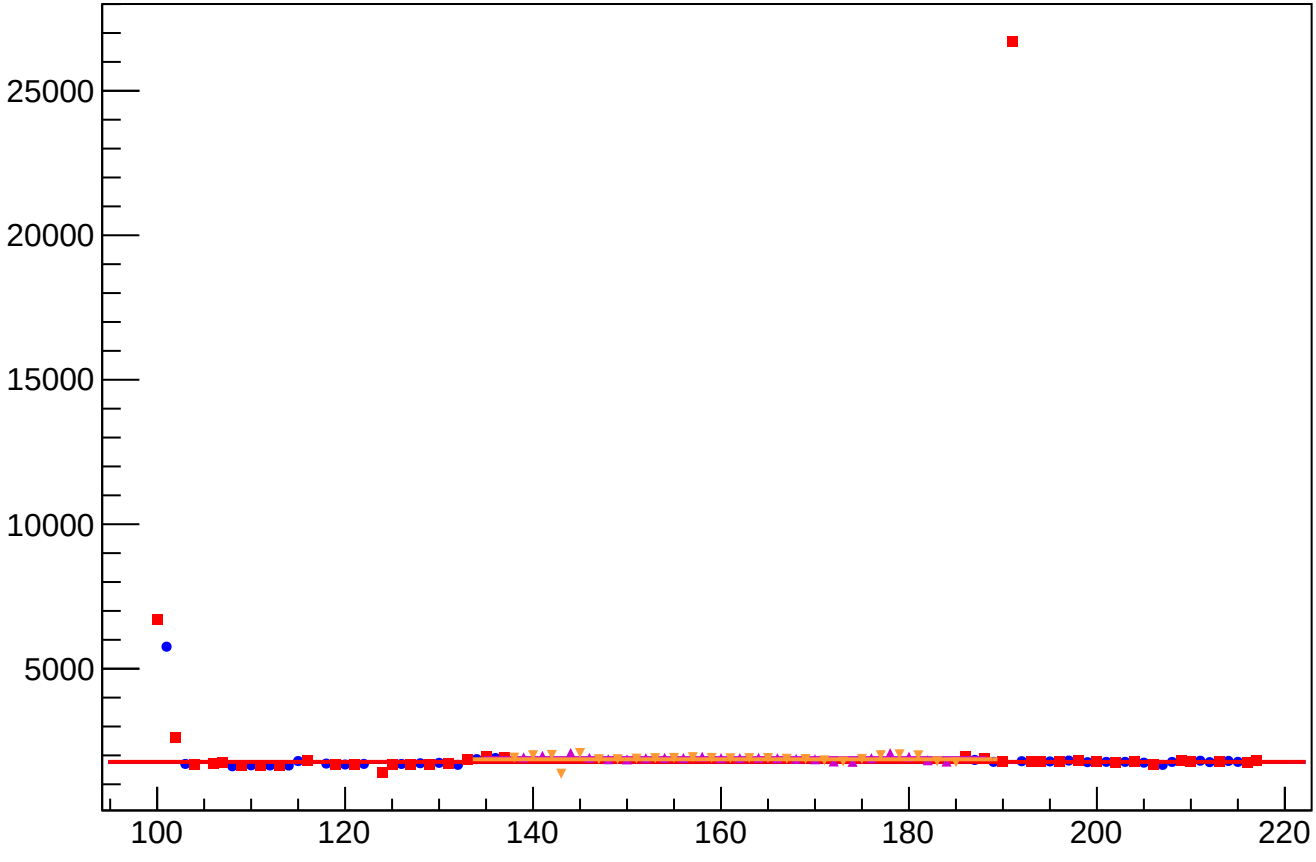
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 497.783+/-294.014 χ^2/NDF: 72.0/55

All: 318.939+/-208.636 χ^2/NDF: 124.5/114

- sign 137.536+/-296.110 χ^2/NDF: 51.8/58

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.649+/-0.288 χ^2/NDF: 678901.6/30

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

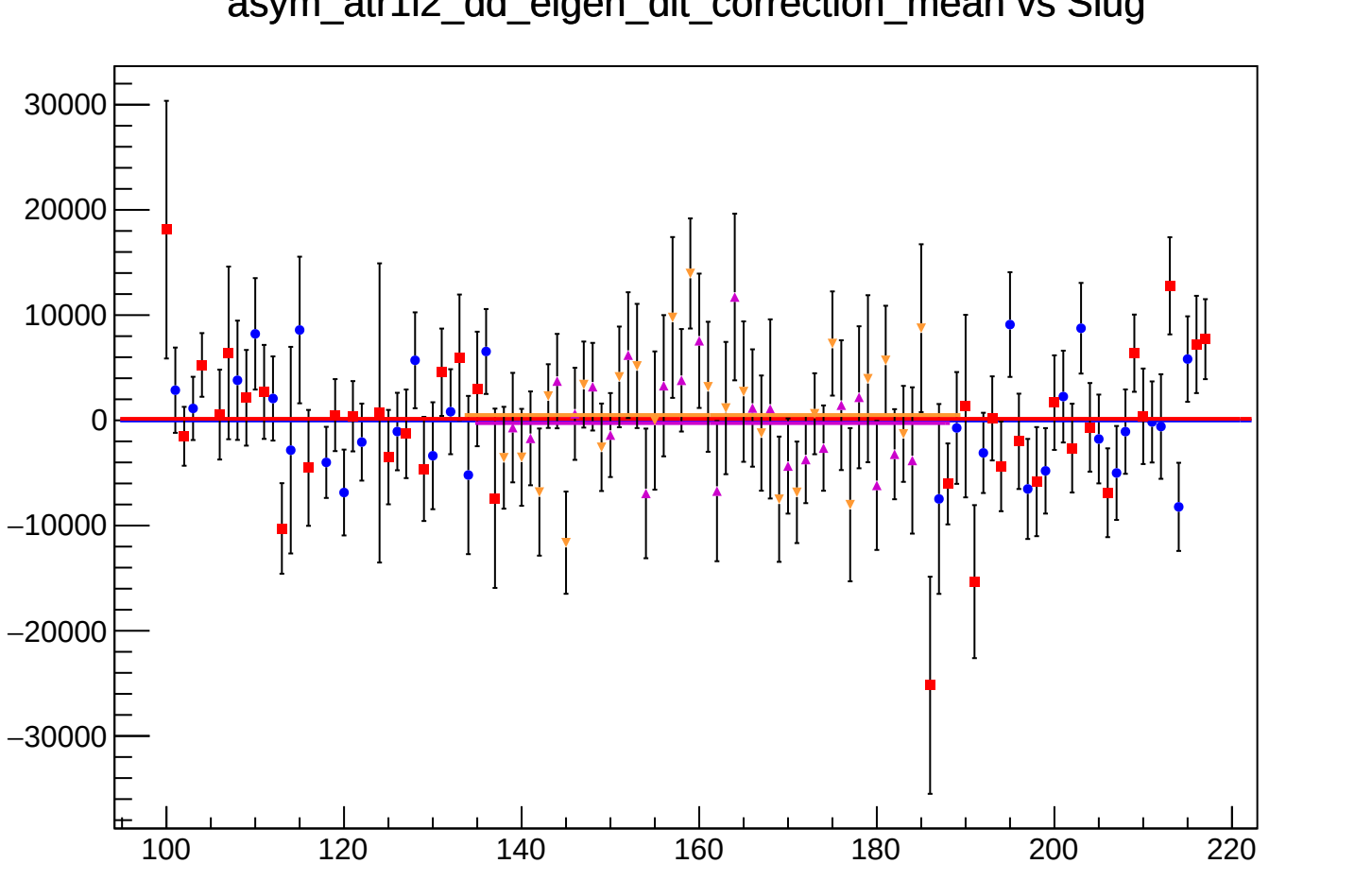
Right Out: 1775.179+/-0.280 χ^2/NDF: 570707.3/35

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1815.660+/-0.208 χ^2/NDF: 1024834.4/55

All: 1824.164+/-0.147 χ^2/NDF: 1747520.5/11

- sign 1832.780+/-0.209 χ^2/NDF: 719317.9/58



Right In: -13.402+/-786.405 χ^2/NDF: 35.0/30

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 143.670+/-750.405 χ^2/NDF: 53.8/35

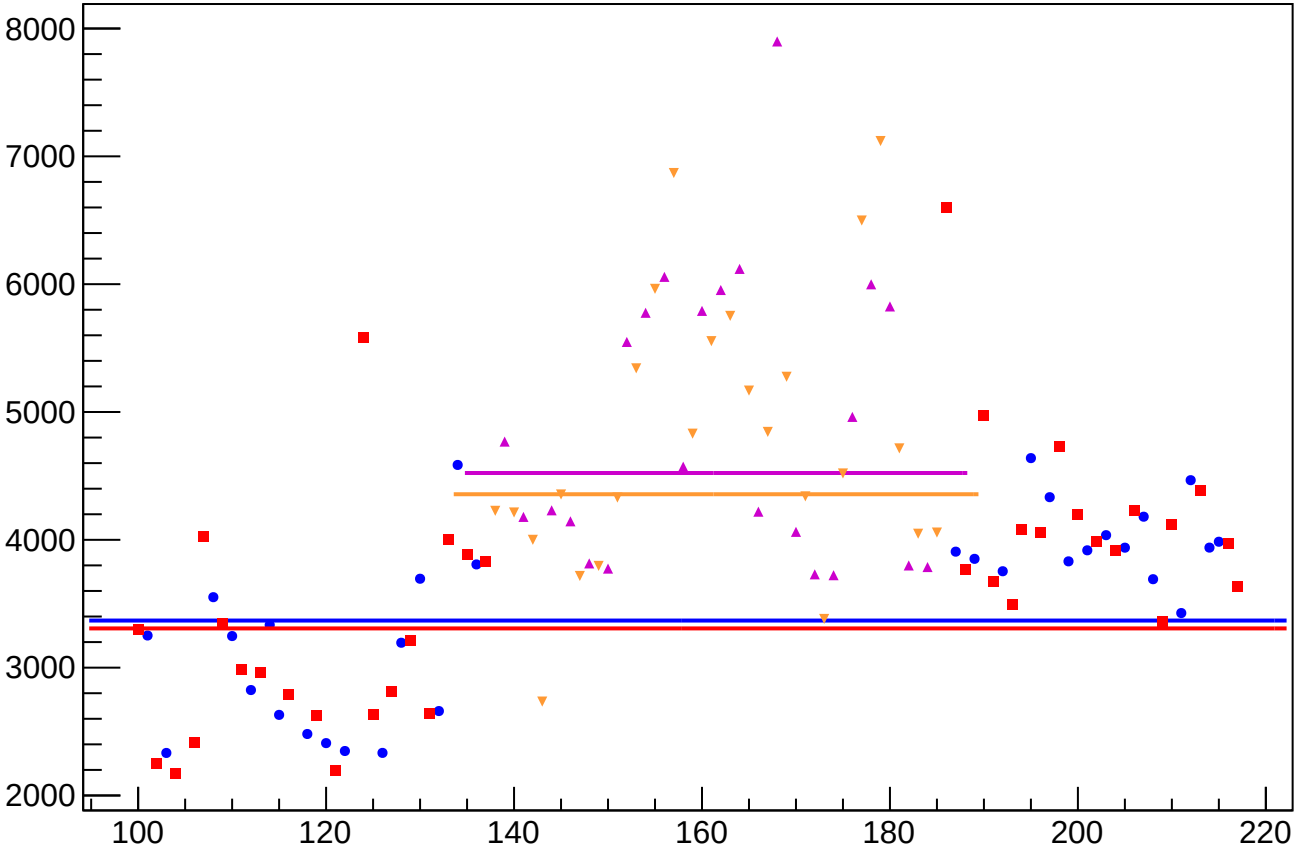
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 179.191+/-623.178 χ^2/NDF: 65.2/55

All: 94.761+/-438.278 χ^2/NDF: 132.7/114

- sign 12.128+/-616.512 χ^2/NDF: 67.5/58

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3368.511+/-0.556 χ^2/NDF: 1671951.9/30

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3306.924+/-0.531 χ^2/NDF: 2331341.7/35

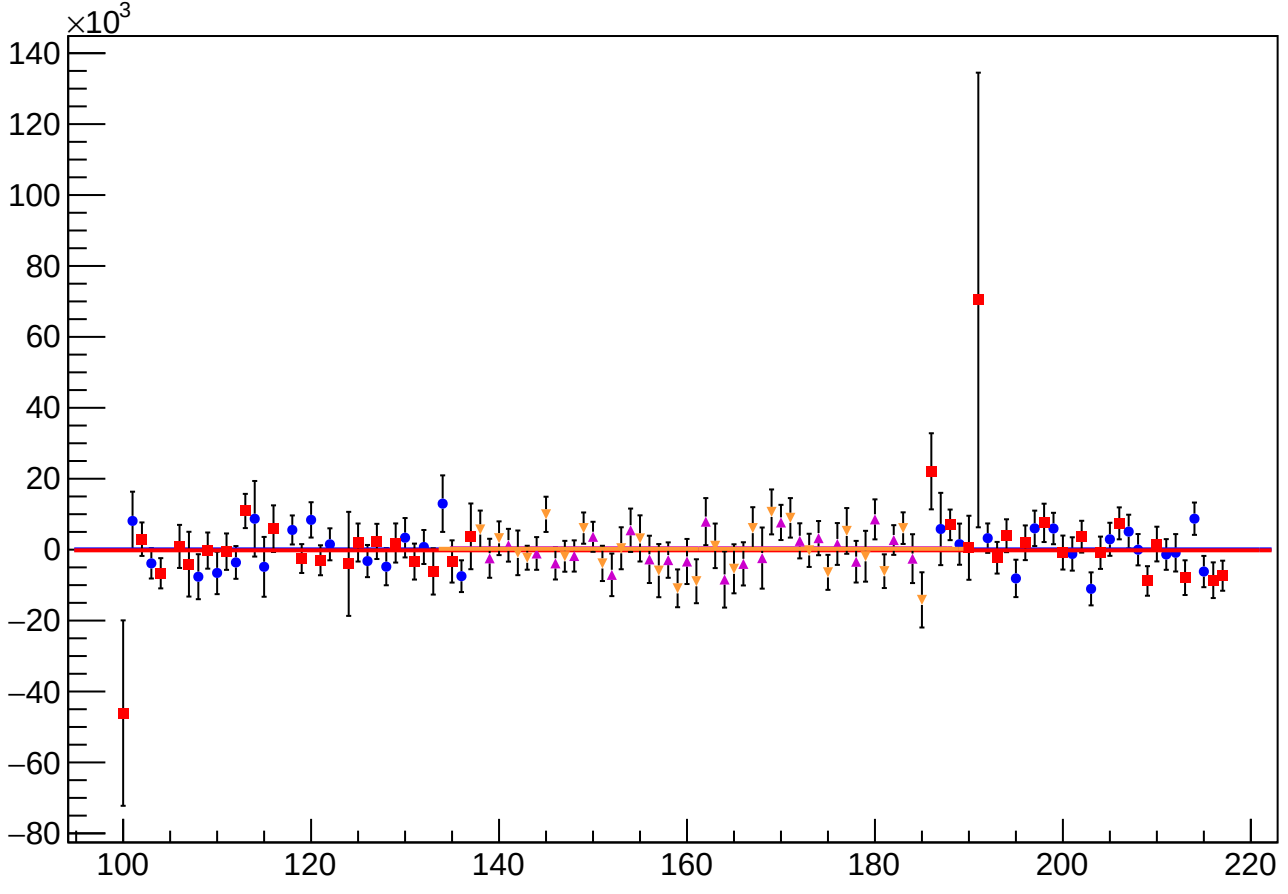
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3736.138+/-0.441 χ^2/NDF: 4759078.9/55

All: 3718.938+/-0.310 χ^2/NDF: 10234002.6/1

- sign 3702.104+/-0.436 χ^2/NDF: 5471909.0/58

asym_atr1l2_dd_mean vs Slug



Right In: 77.566+/-907.687 χ^2/NDF: 37.6/30

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -187.686+/-880.752 χ^2/NDF: 43.0/35

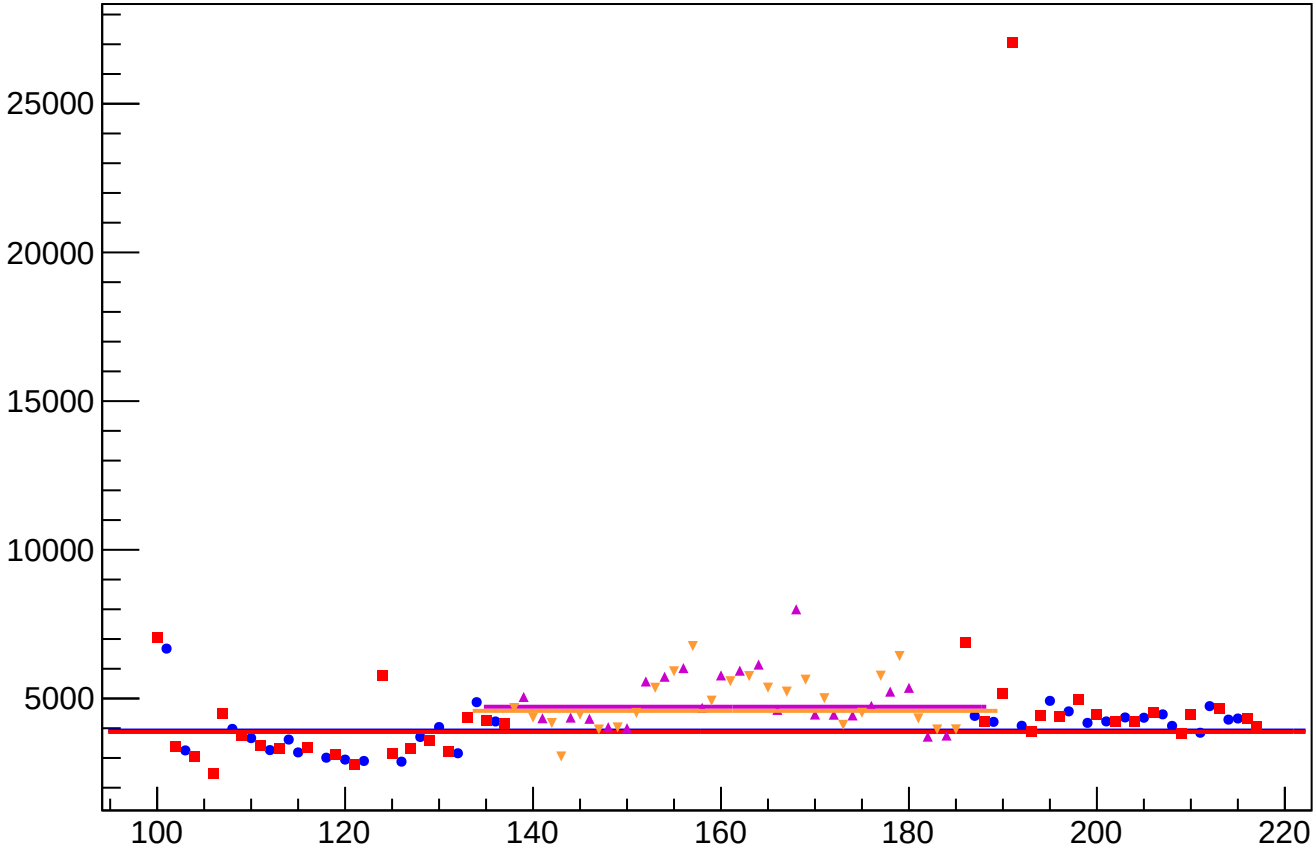
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 145.908+/-690.726 χ^2/NDF: 69.8/55

All: 90.974+/-489.091 χ^2/NDF: 127.2/114

- sign 35.737+/-692.638 χ^2/NDF: 57.4/58

asym_atr1l2_dd_rms vs Slug



Right In: 3922.494+/-0.642 χ^2/NDF: 1087453.0/30

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

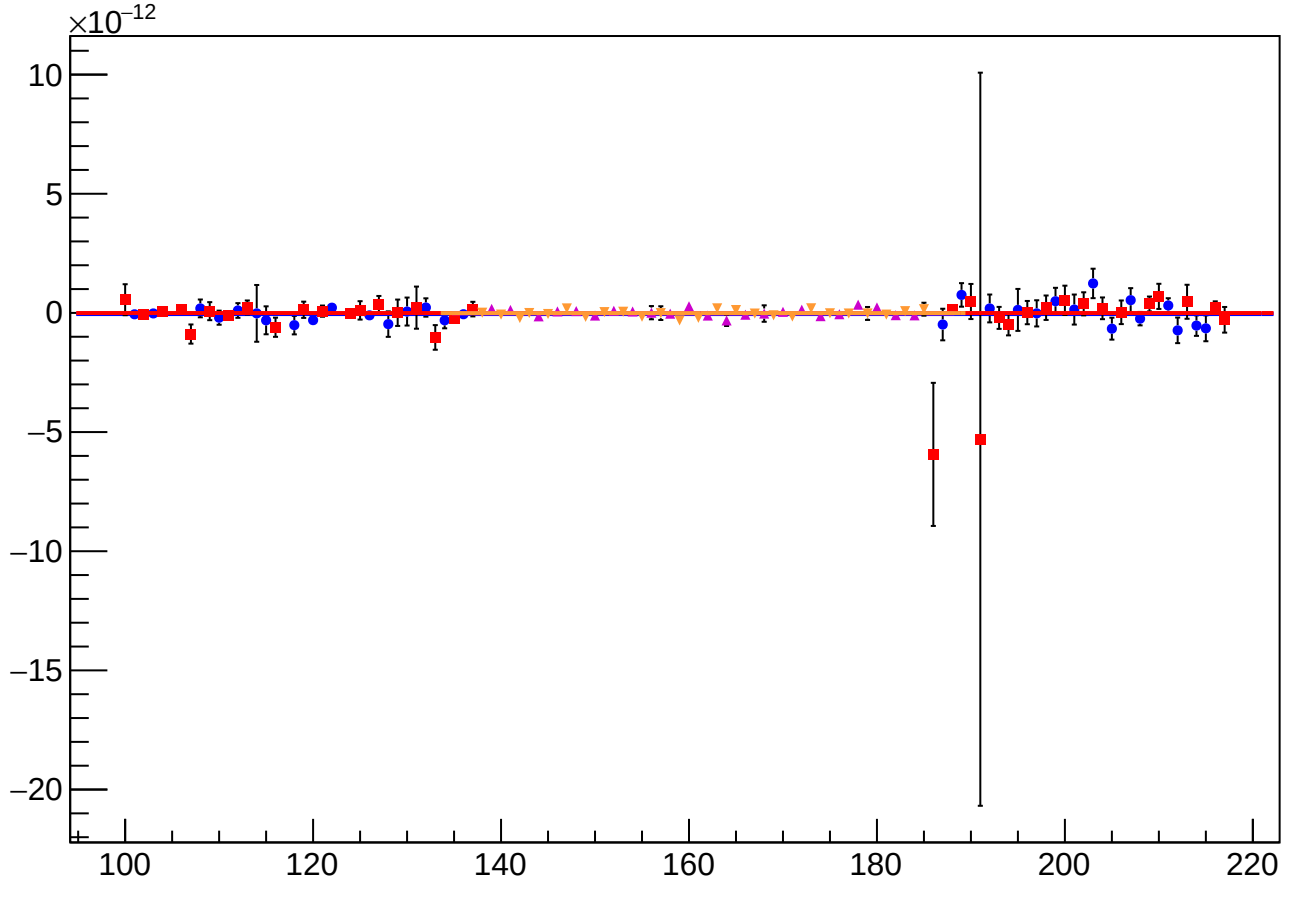
Right Out: 3874.464+/-0.619 χ^2/NDF: 1525747.1/35

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4201.214+/-0.488 χ^2/NDF: 2847193.1/55

All: 4198.369+/-0.345 χ^2/NDF: 6101577.6/11

- sign 4195.533+/-0.488 χ^2/NDF: 3254316.8/58



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/35

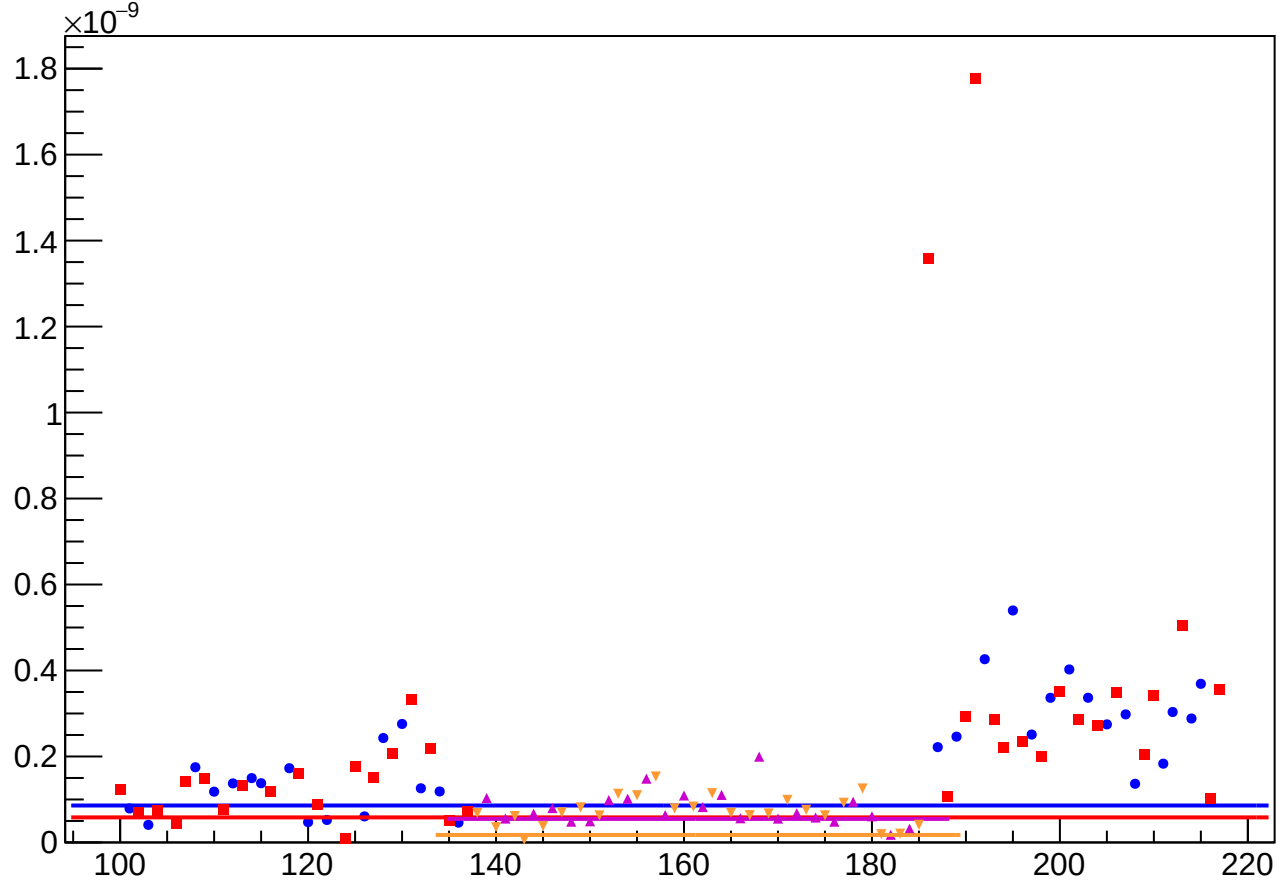
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.9/55

All: -0.000+/-0.000 χ^2/NDF: 107.5/114

- sign -0.000+/-0.000 χ^2/NDF: 57.6/58

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7146713.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10033443.4/35

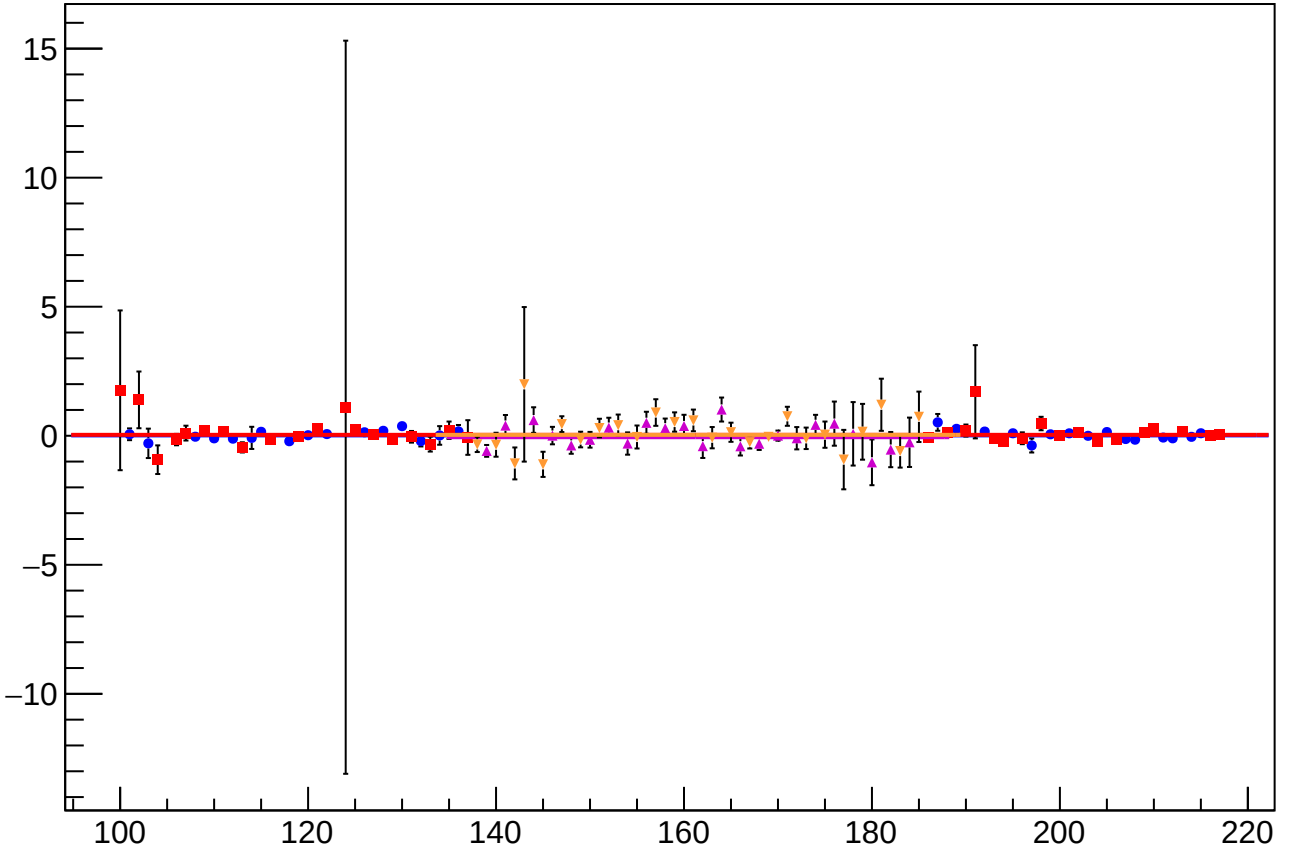
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21016729.6/55

All: 0.000+/-0.000 χ^2/NDF: 38434490.9/114

- sign 0.000+/-0.000 χ^2/NDF: 12846762.6/58

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

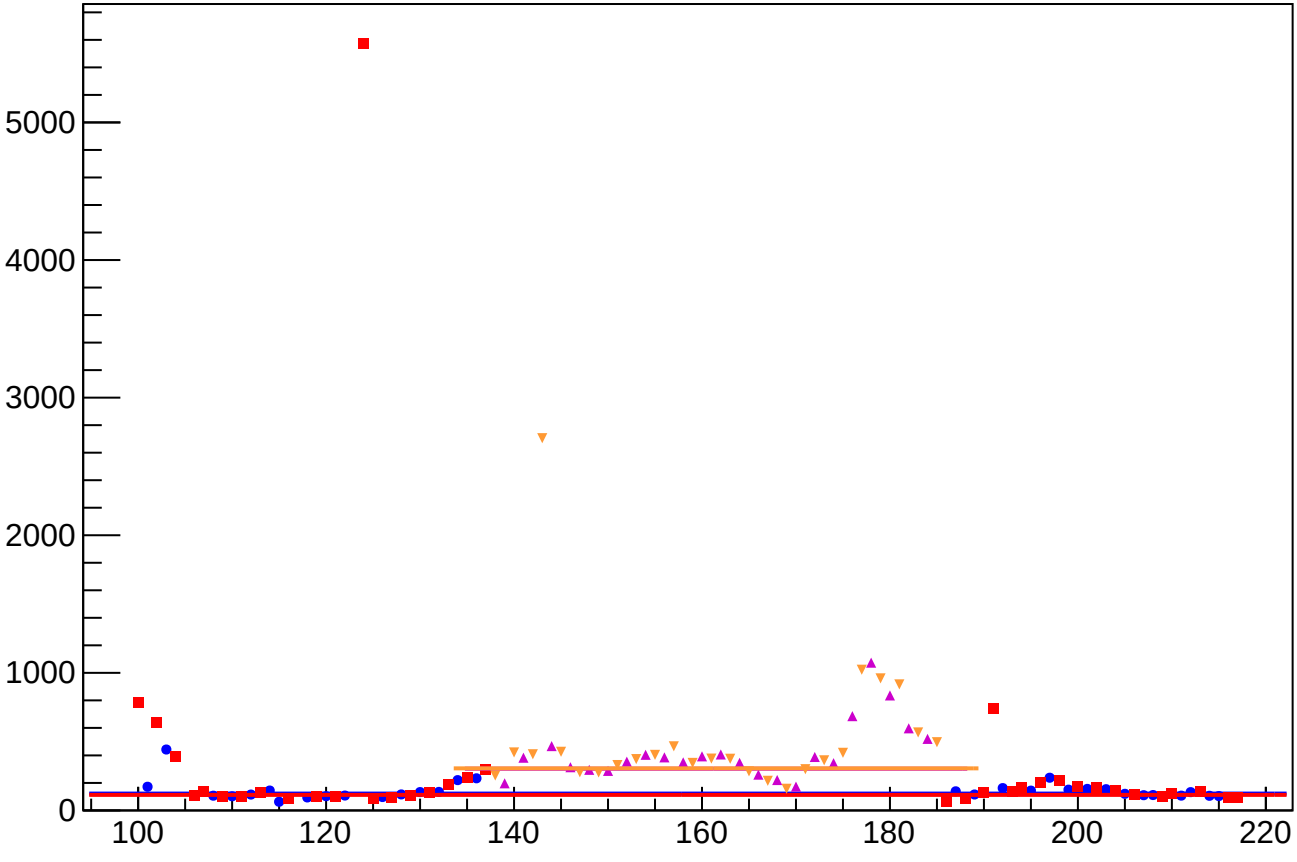
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.017+/-0.028 χ^2/NDF: 56.4/55

All: 0.021+/-0.019 χ^2/NDF: 125.2/114

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 122.583+/-0.021 χ^2/NDF: 2622301.6/30

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

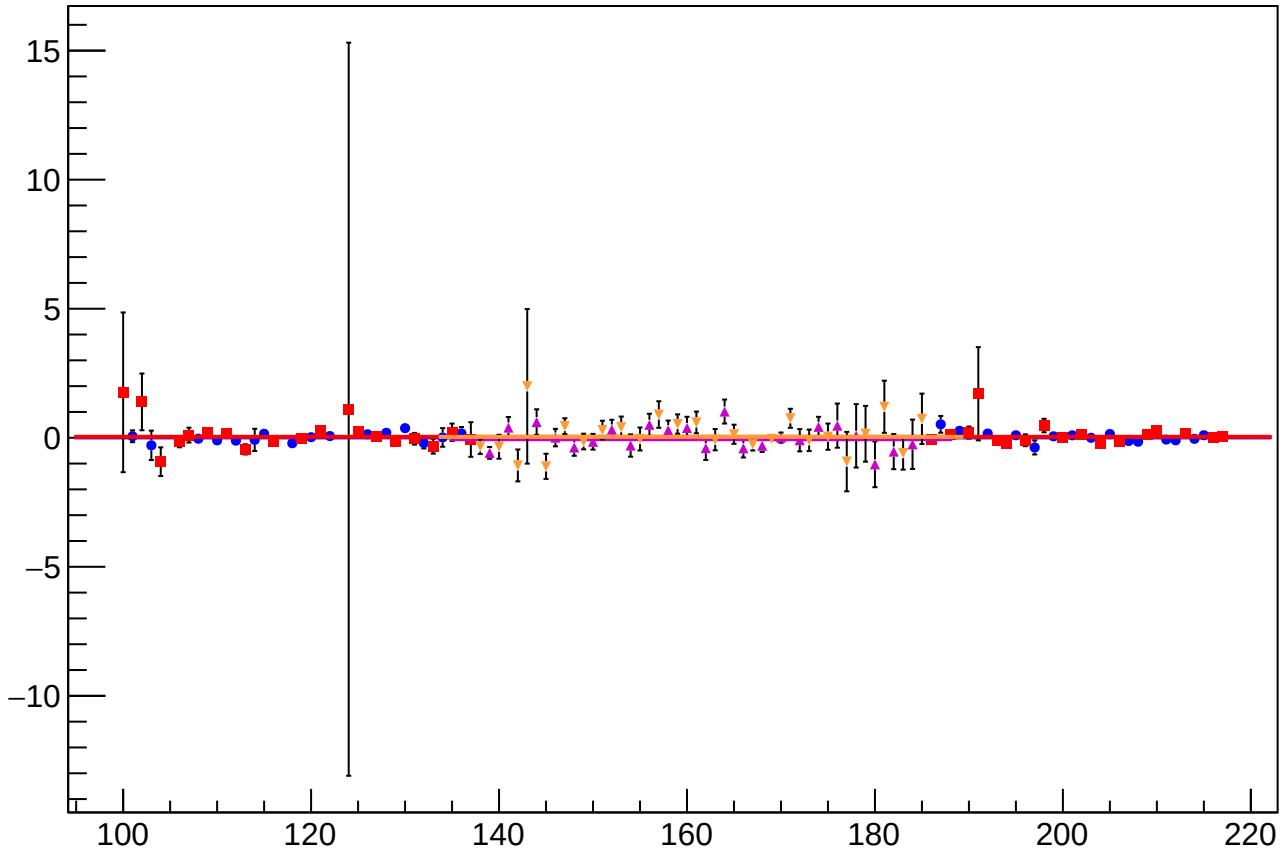
Right Out: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 145.951+/-0.020 χ^2/NDF: 18917317.9/55

All: 139.962+/-0.013 χ^2/NDF: 39267591.5/11

- sign 134.725+/-0.018 χ^2/NDF: 20176567.3/58



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

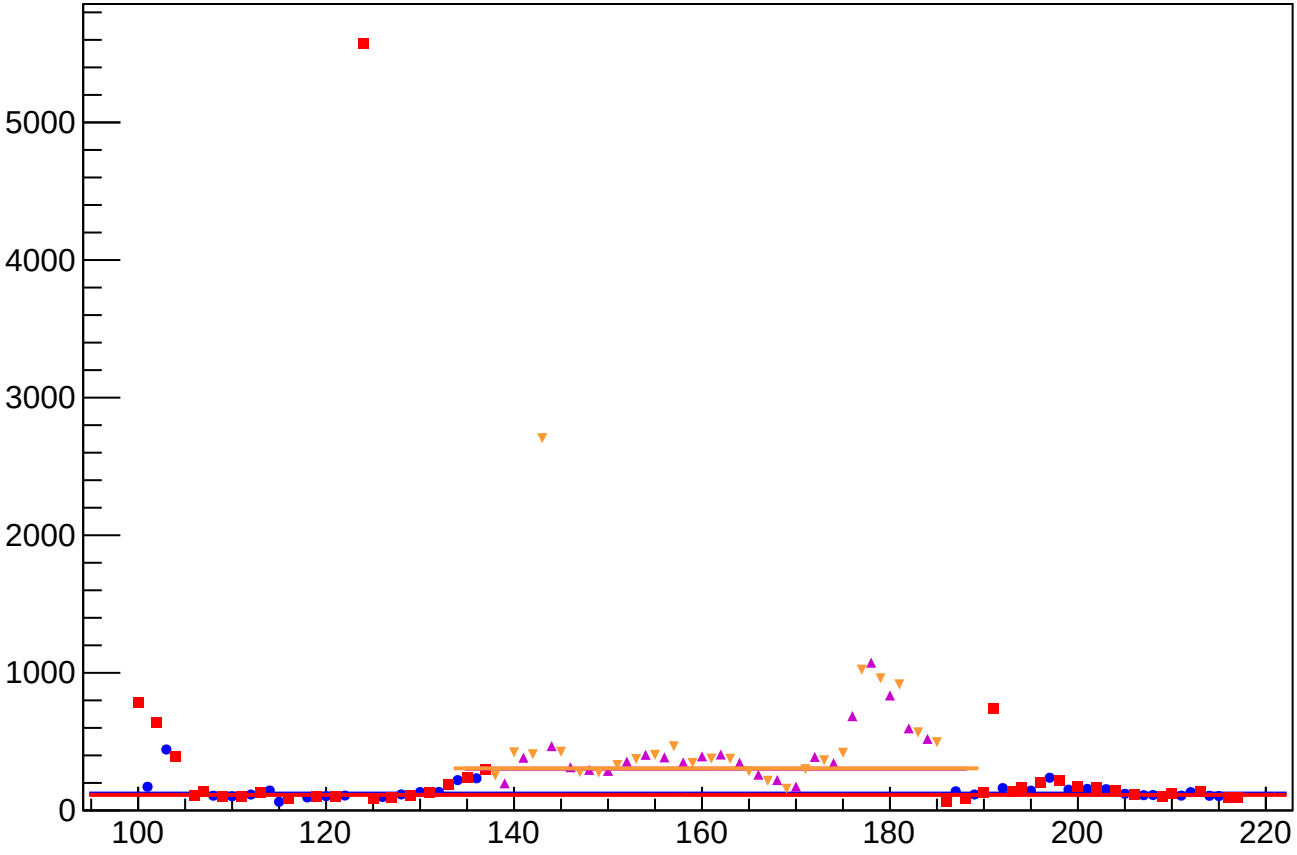
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.017+/-0.028 χ^2/NDF: 56.4/55

All: 0.021+/-0.019 χ^2/NDF: 125.2/114

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 122.583+/-0.021 χ^2/NDF: 2622301.6/30

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

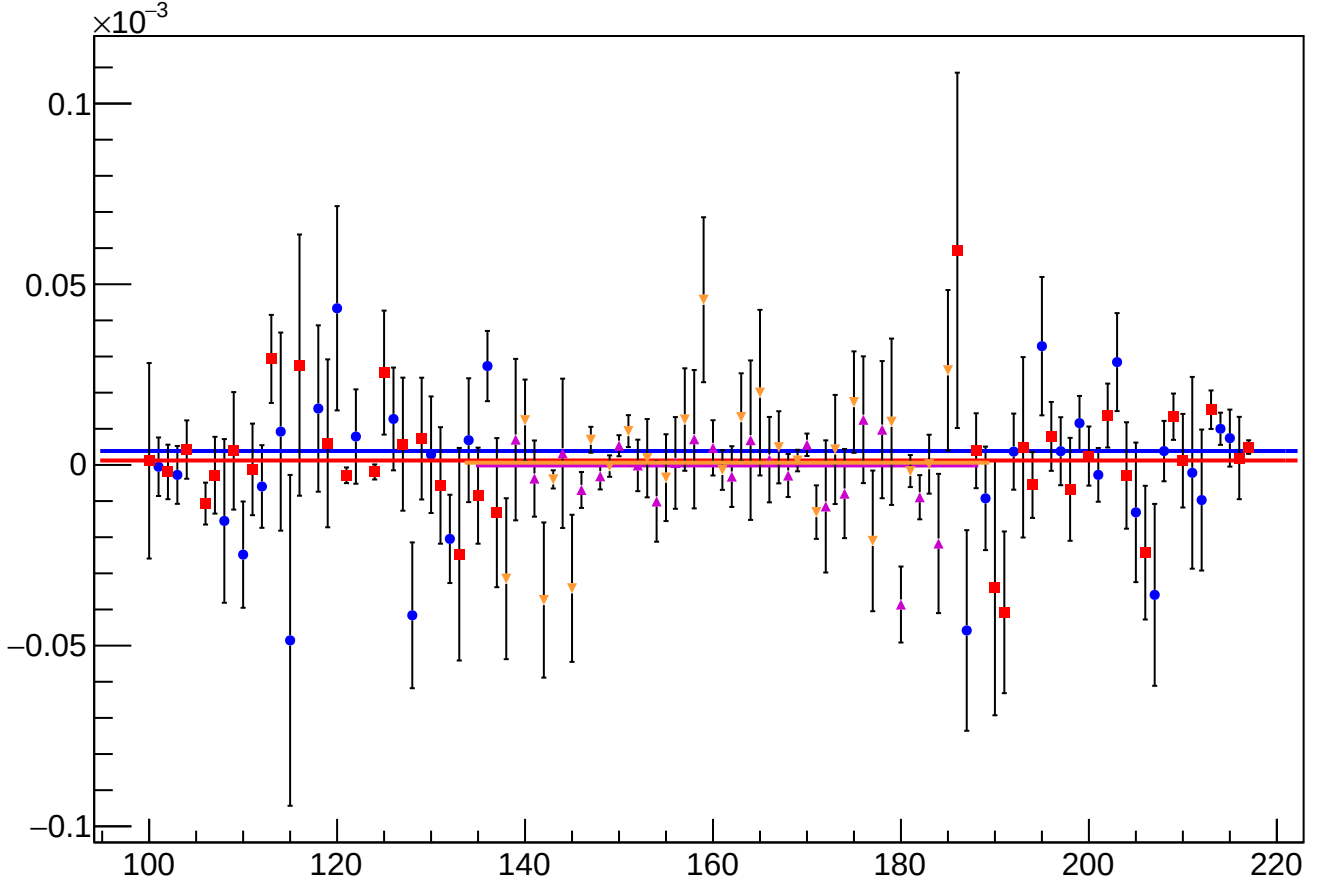
Right Out: 113.193+/-0.020 χ^2/NDF: 4640823.2/35

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 145.951+/-0.020 χ^2/NDF: 18917317.9/55

All: 139.962+/-0.013 χ^2/NDF: 39267591.5/11

- sign 134.725+/-0.018 χ^2/NDF: 20176567.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 42.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

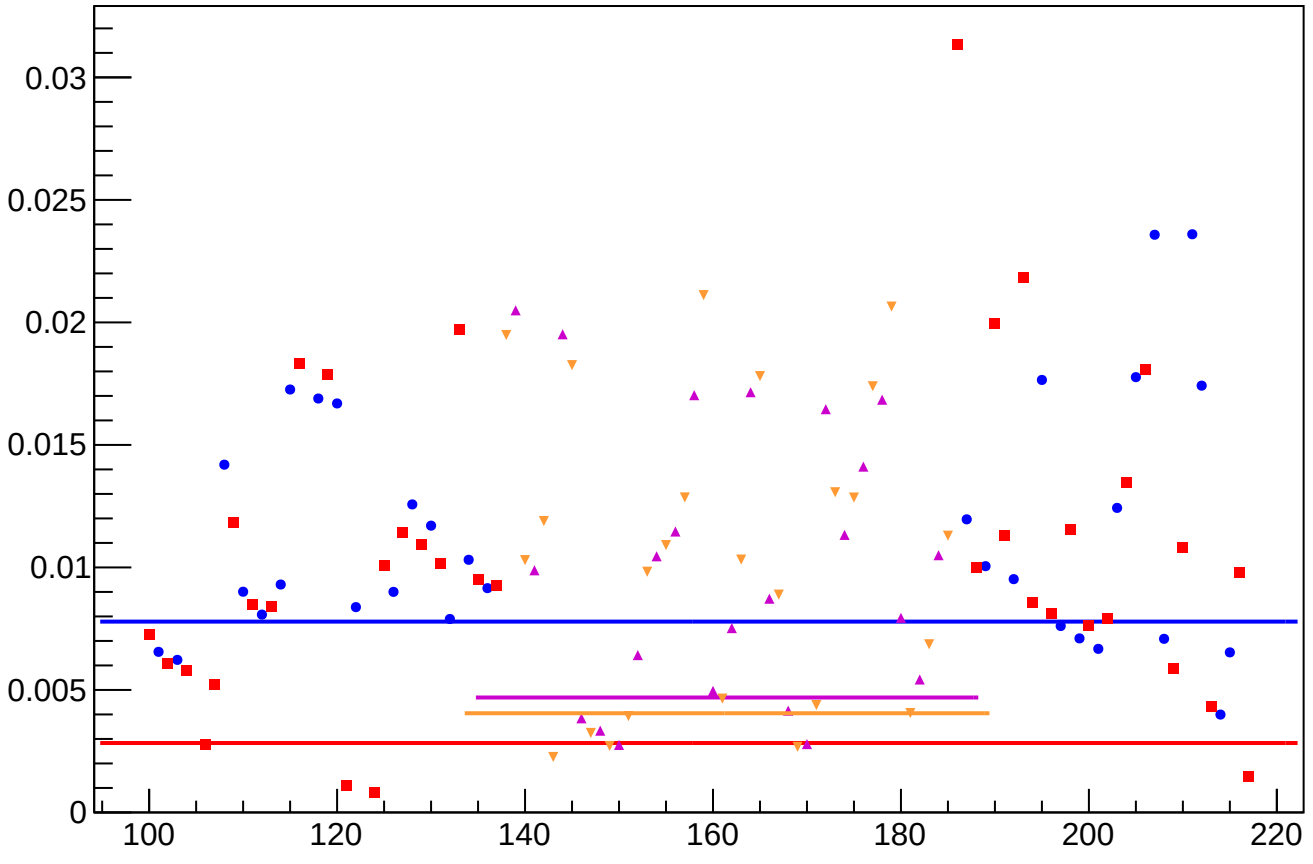
Right Out: 0.000+/-0.000 χ^2/NDF: 46.5/35

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.1/55

All: 0.000+/-0.000 χ^2/NDF: 156.4/114

- sign 0.000+/-0.000 χ^2/NDF: 77.0/58



Right In: 0.008+/-0.000 χ^2/NDF: 6244871.3/30

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

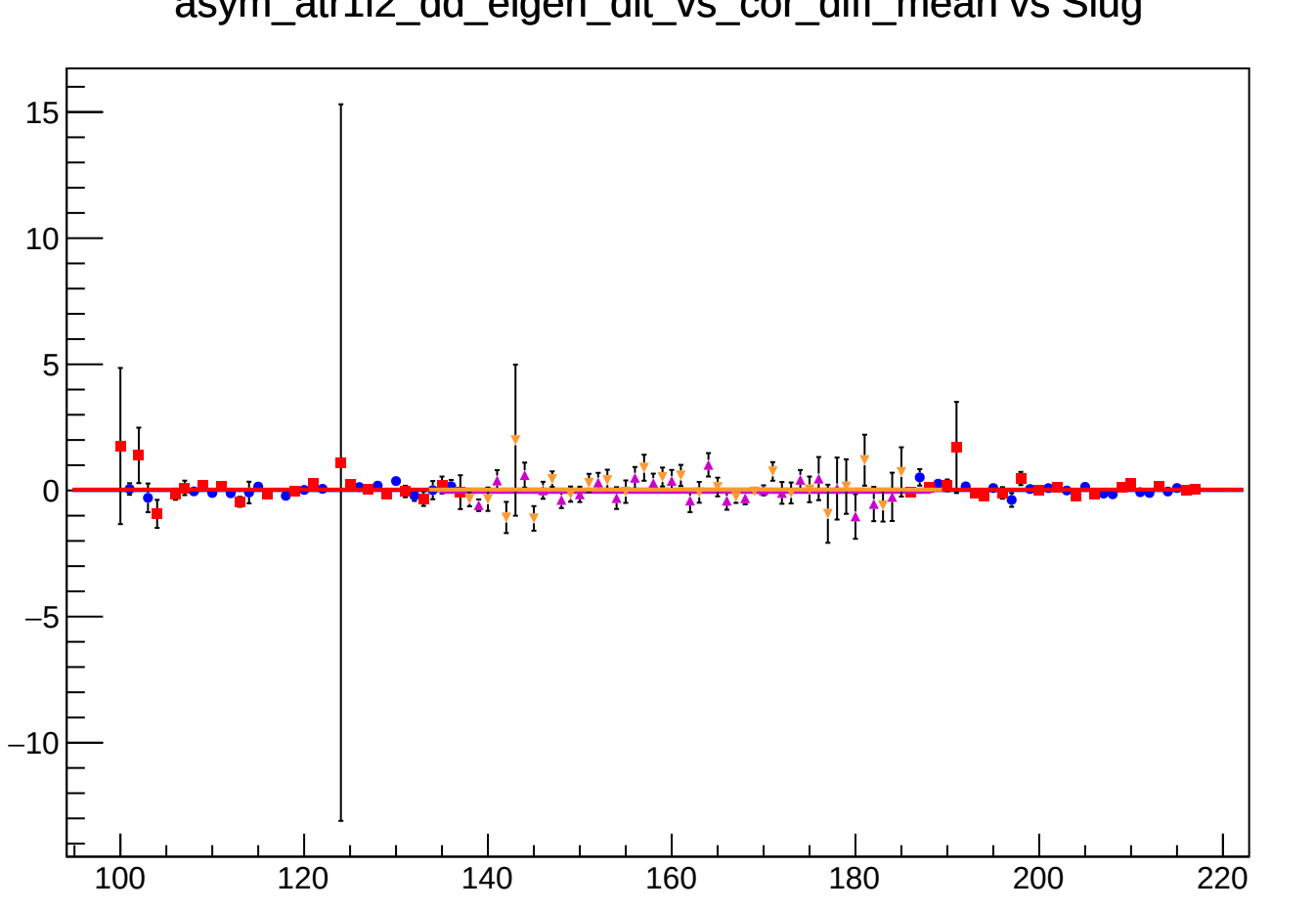
Right Out: 0.003+/-0.000 χ^2/NDF: 22207403.3/35

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 24913593.9/55

All: 0.004+/-0.000 χ^2/NDF: 63134343.2/114

- sign 0.003+/-0.000 χ^2/NDF: 35392445.4/58



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

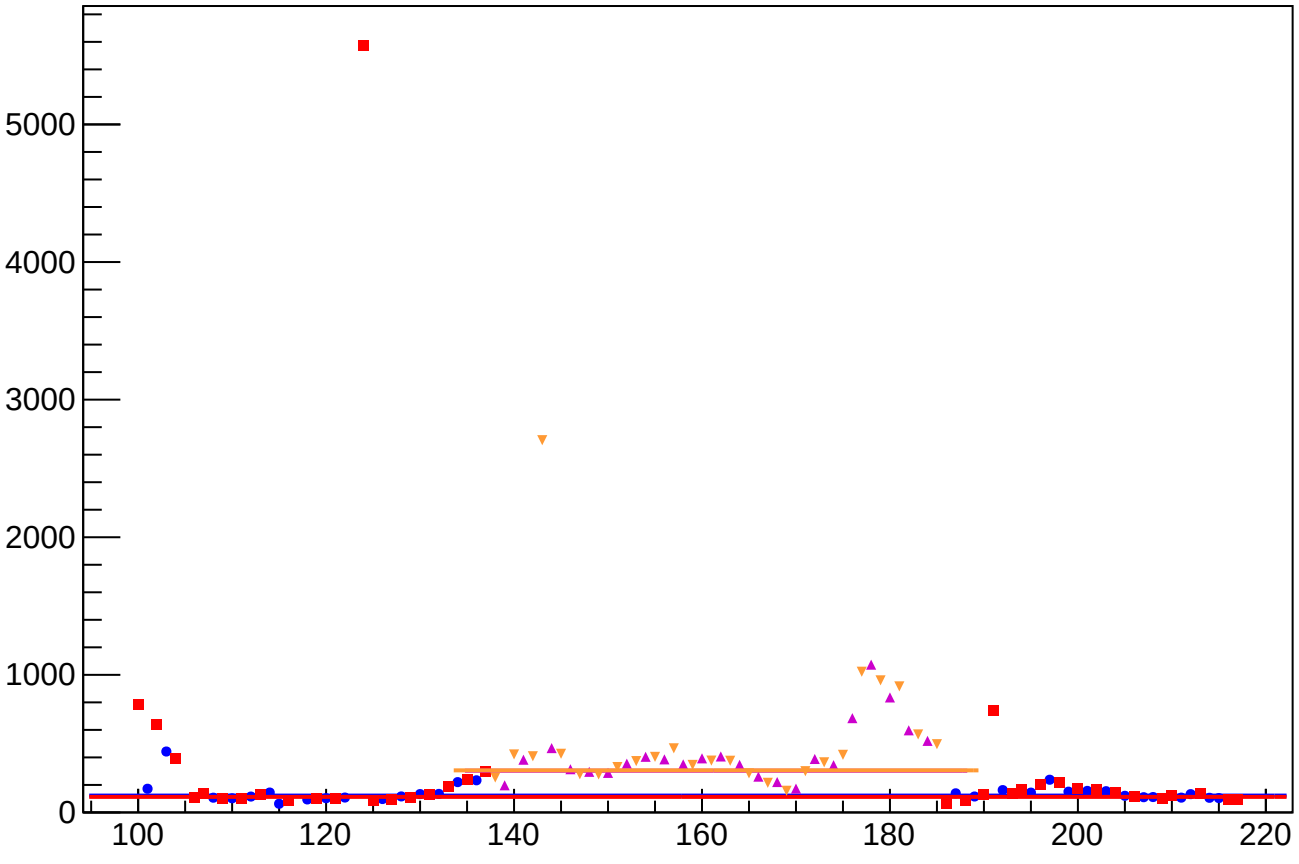
Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

\+ sign 0.017+/-0.028 χ^2/NDF: 56.4/55

All: 0.021+/-0.019 χ^2/NDF: 125.2/114

\- sign 0.025+/-0.026 χ^2/NDF: 68.8/58



Right In: 122.584+/-0.021 χ^2/NDF: 2622275.8/30

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

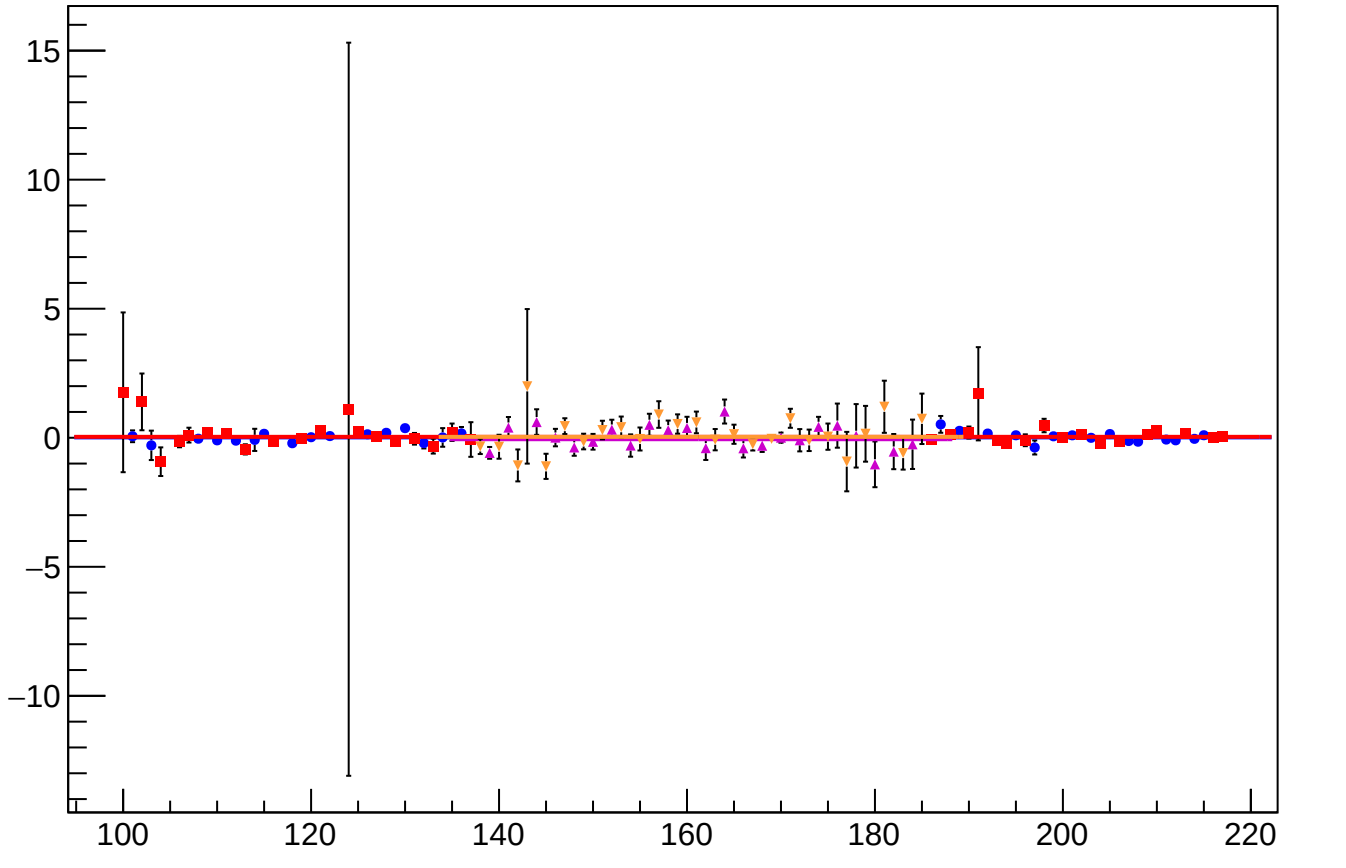
Right Out: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 145.953+/-0.020 χ^2/NDF: 18917303.0/55

All: 139.963+/-0.013 χ^2/NDF: 39267469.8/11

- sign 134.726+/-0.018 χ^2/NDF: 20176453.3/58



Right In: 0.014+/-0.030 χ^2/NDF: 25.9/30

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

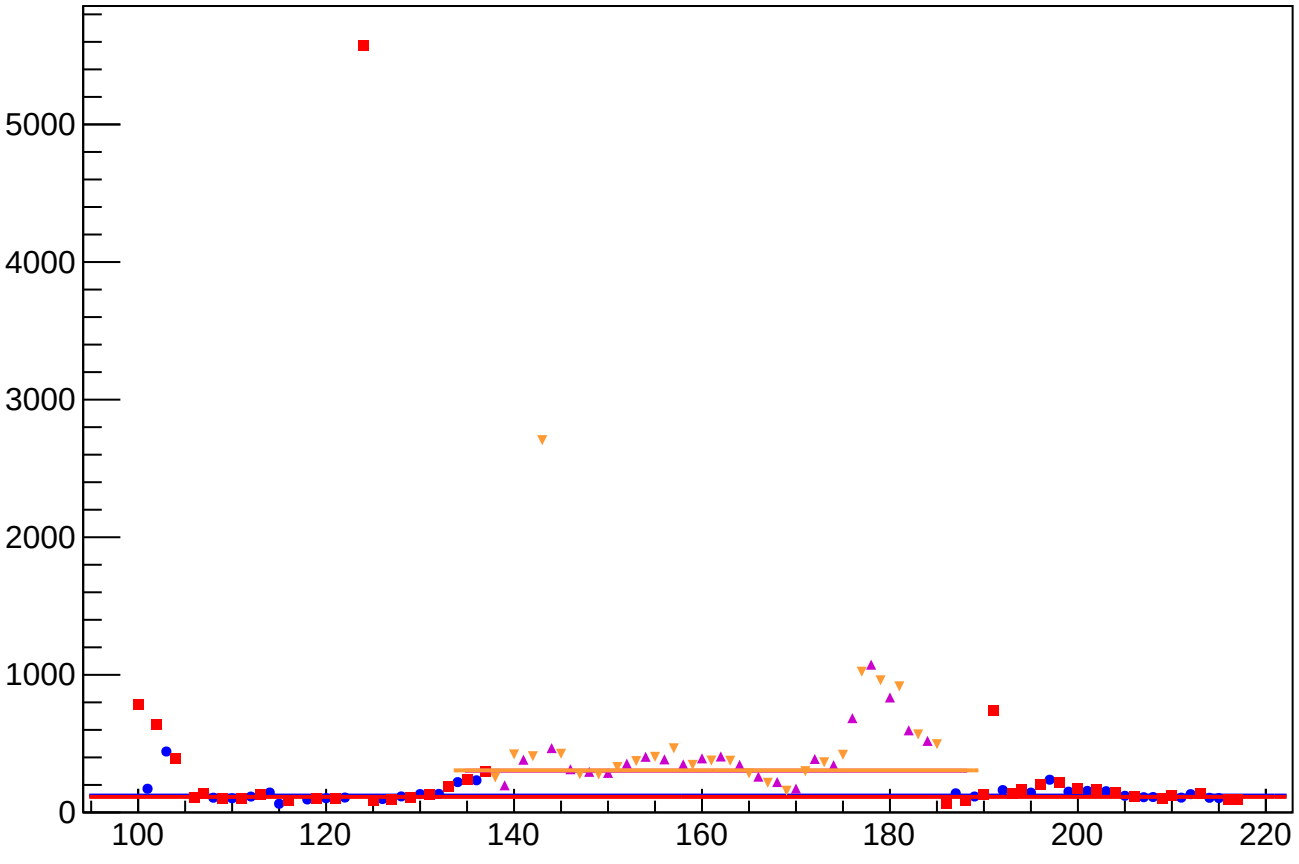
Right Out: 0.036+/-0.028 χ^2/NDF: 41.5/35

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.017+/-0.028 χ^2/NDF: 56.4/55

All: 0.021+/-0.019 χ^2/NDF: 125.2/114

- sign 0.025+/-0.026 χ^2/NDF: 68.8/58



Right In: 122.584+/-0.021 χ^2/NDF: 2622275.8/30

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

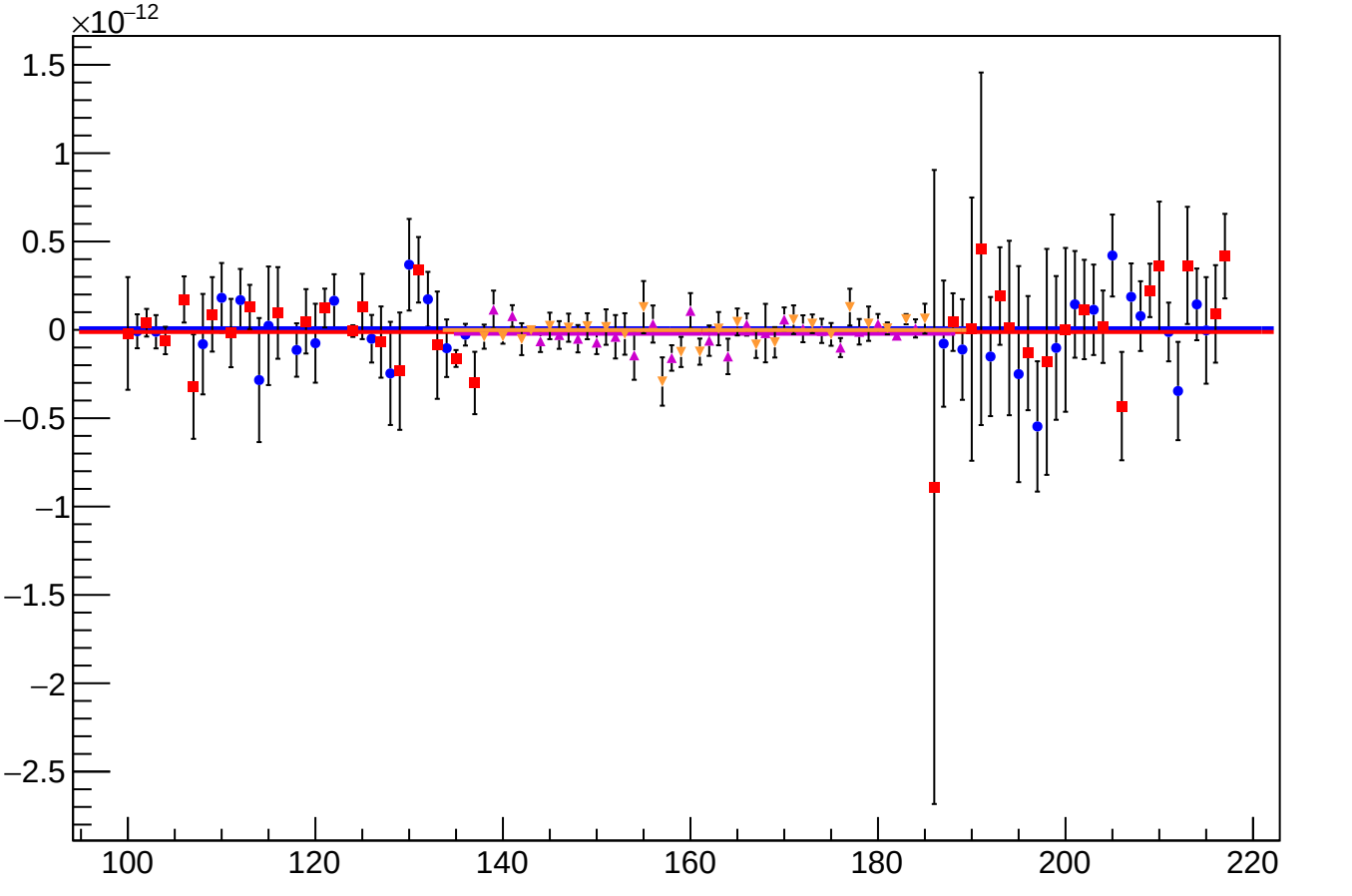
Right Out: 113.194+/-0.020 χ^2/NDF: 4640683.6/35

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 145.953+/-0.020 χ^2/NDF: 18917303.0/55

All: 139.963+/-0.013 χ^2/NDF: 39267469.8/11

- sign 134.726+/-0.018 χ^2/NDF: 20176453.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

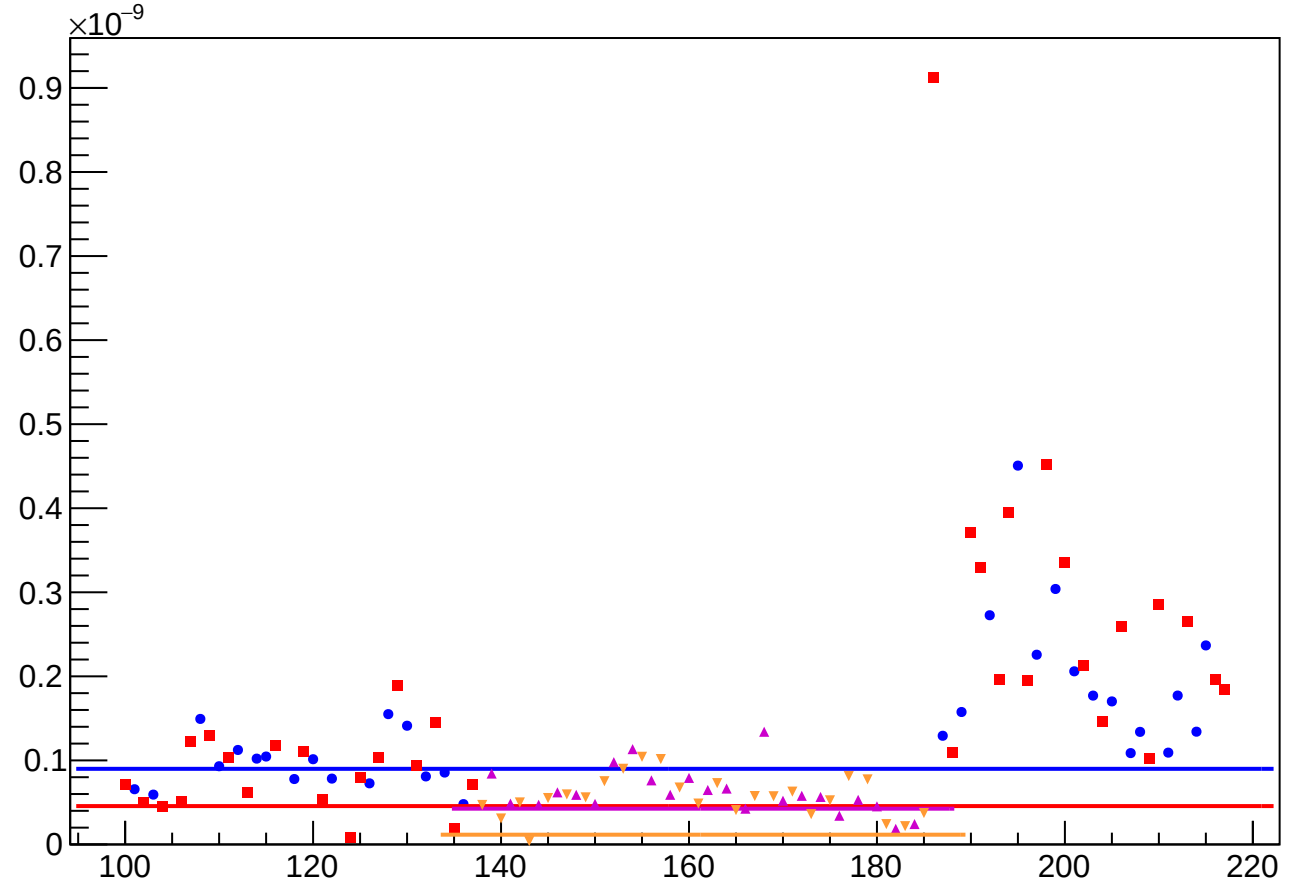
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/55

All: -0.000+/-0.000 χ^2/NDF: 98.9/114

- sign -0.000+/-0.000 χ^2/NDF: 55.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 5573663.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15584765.6/35

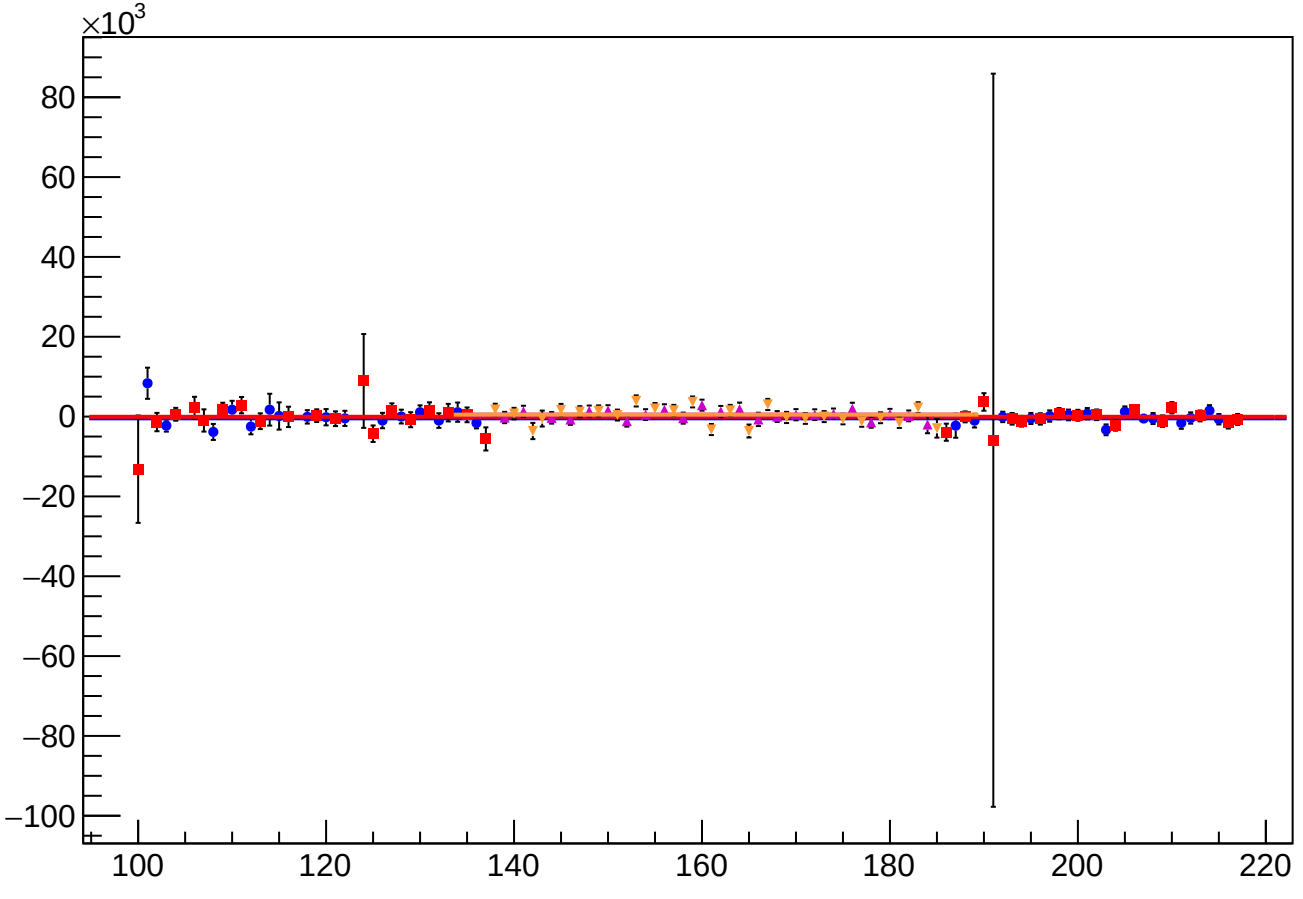
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 36113086.6/55

All: 0.000+/-0.000 χ^2/NDF: 67832043.4/114

- sign 0.000+/-0.000 χ^2/NDF: 21036589.9/58

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

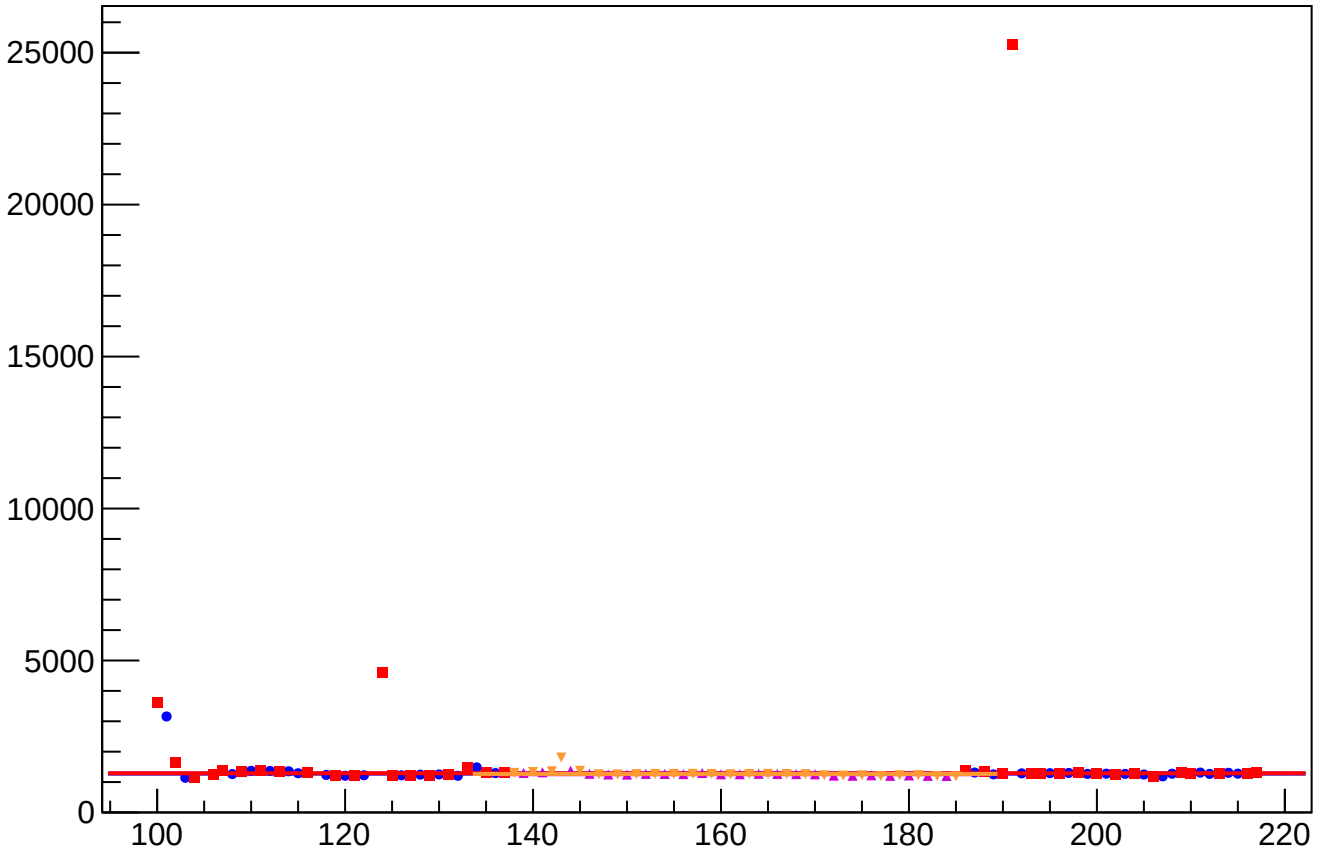
Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

\+ sign 34.321+/-205.653 χ^2/NDF: 76.5/55

All: 123.849+/-145.421 χ^2/NDF: 125.5/114

\- sign 213.382+/-205.660 χ^2/NDF: 48.6/58



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

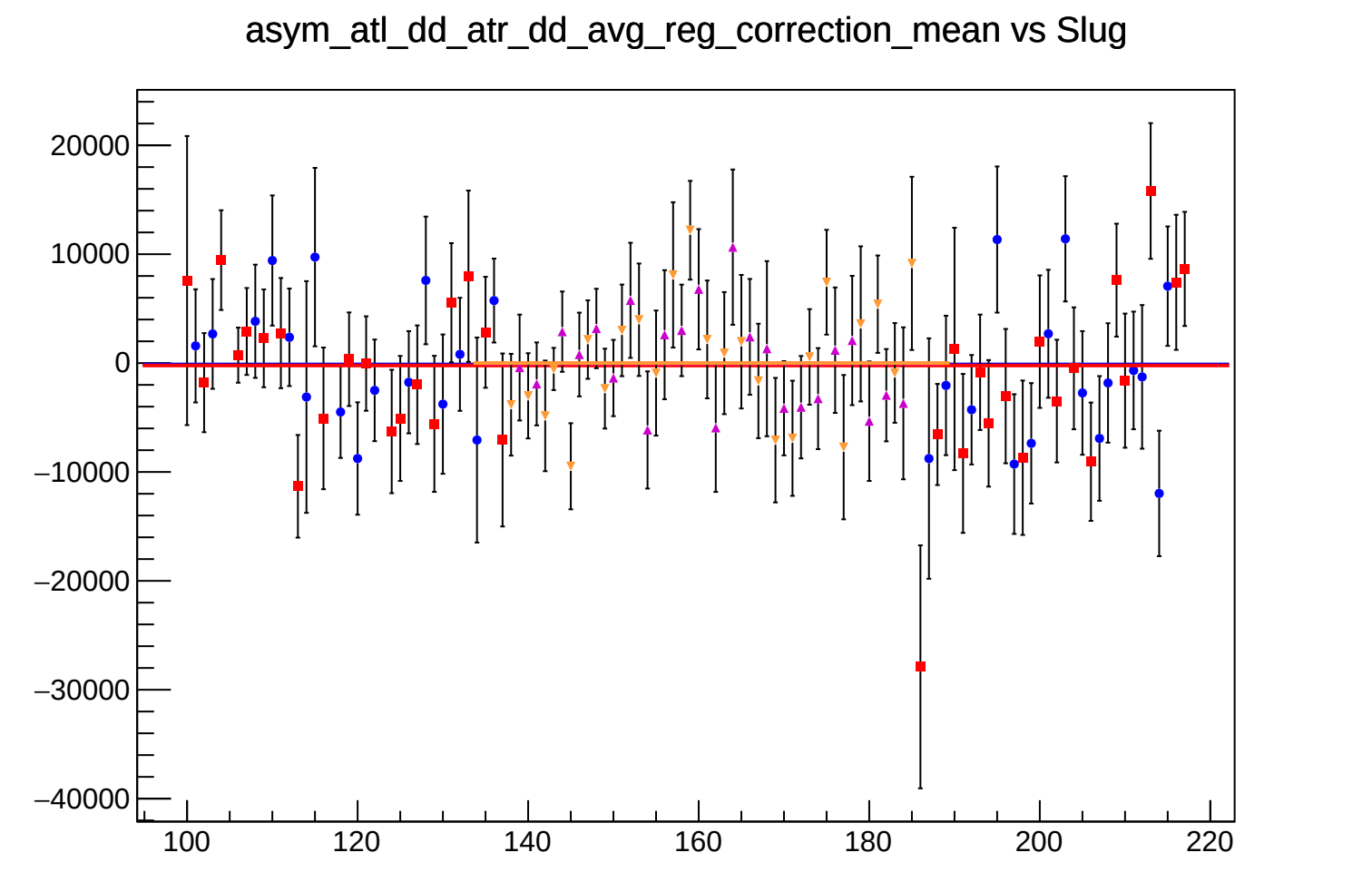
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719404.7/55

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

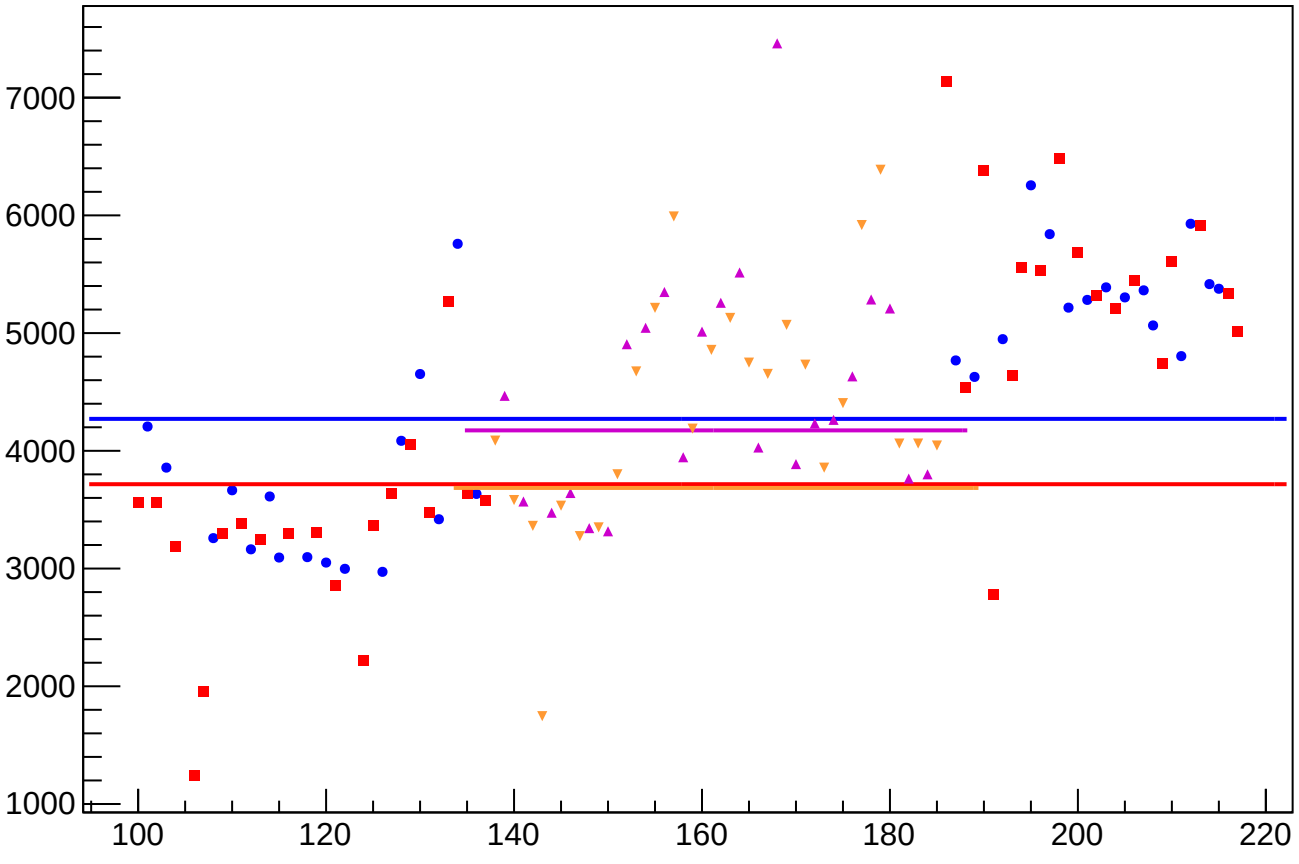
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -54.352+/-664.035 χ^2/NDF: 63.7/55

All: -95.644+/-468.505 χ^2/NDF: 124.4/114

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4271.434+/-0.709 χ^2/NDF: 2039285.0/30

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

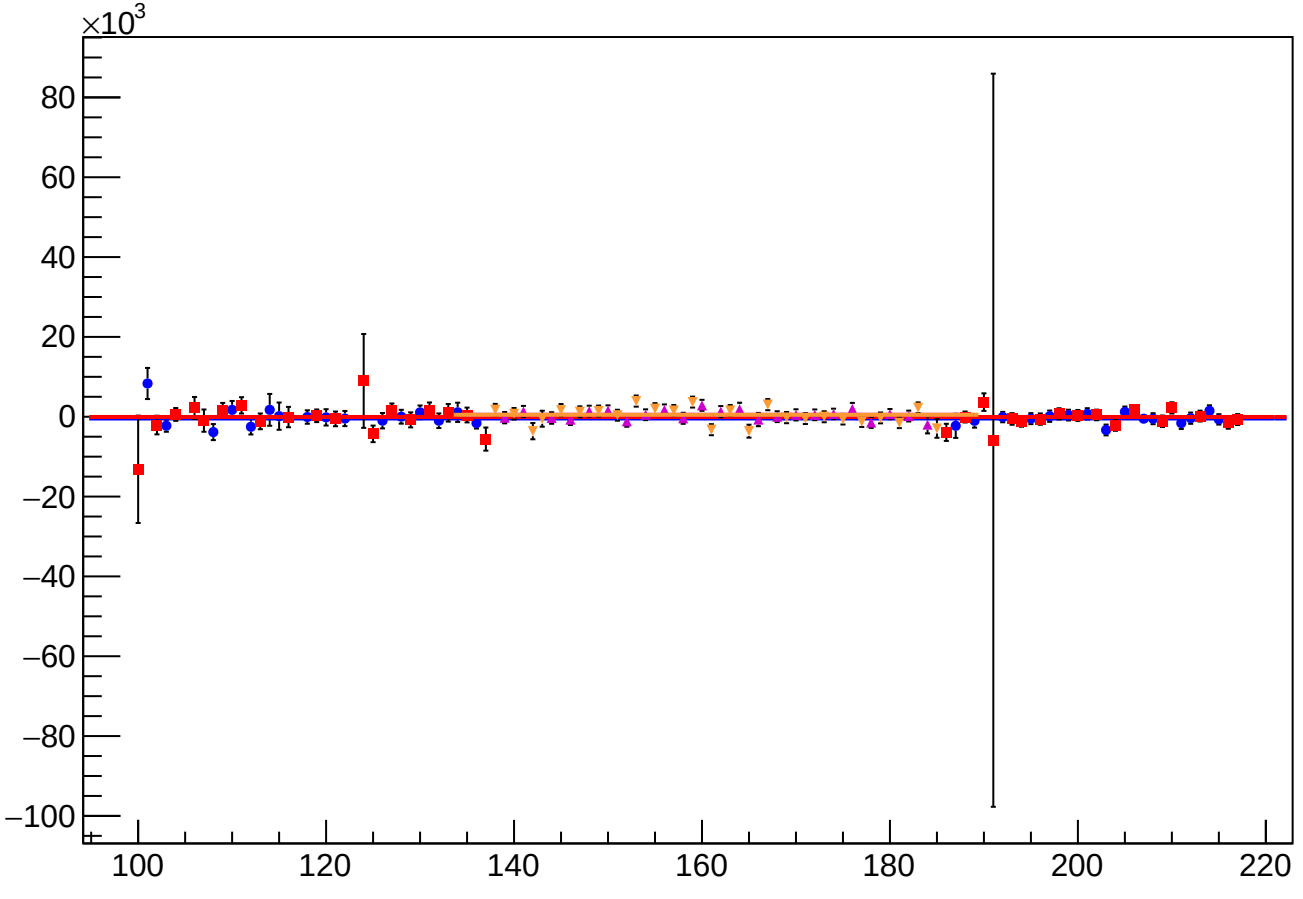
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3942.259+/-0.470 χ^2/NDF: 6117377.4/55

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1

\- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

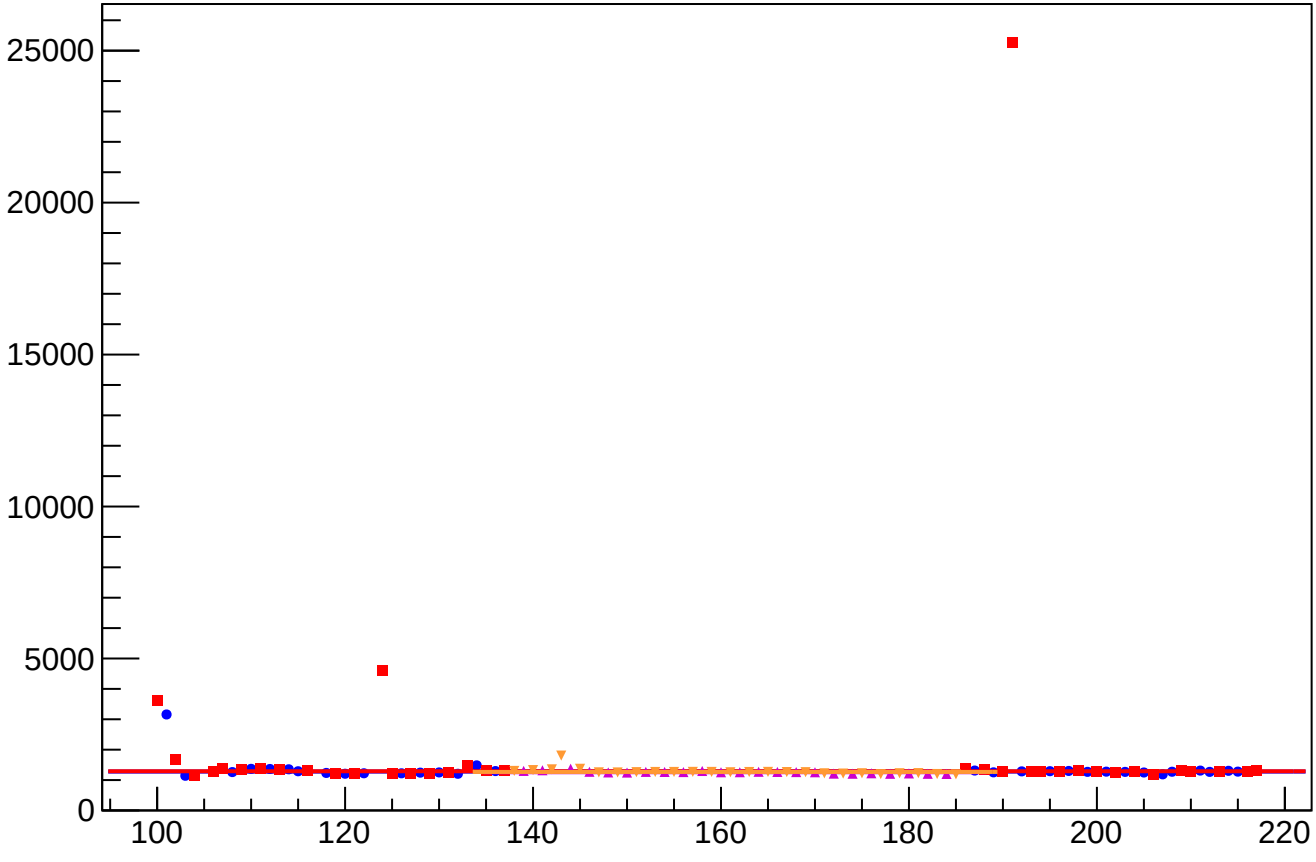
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

\- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

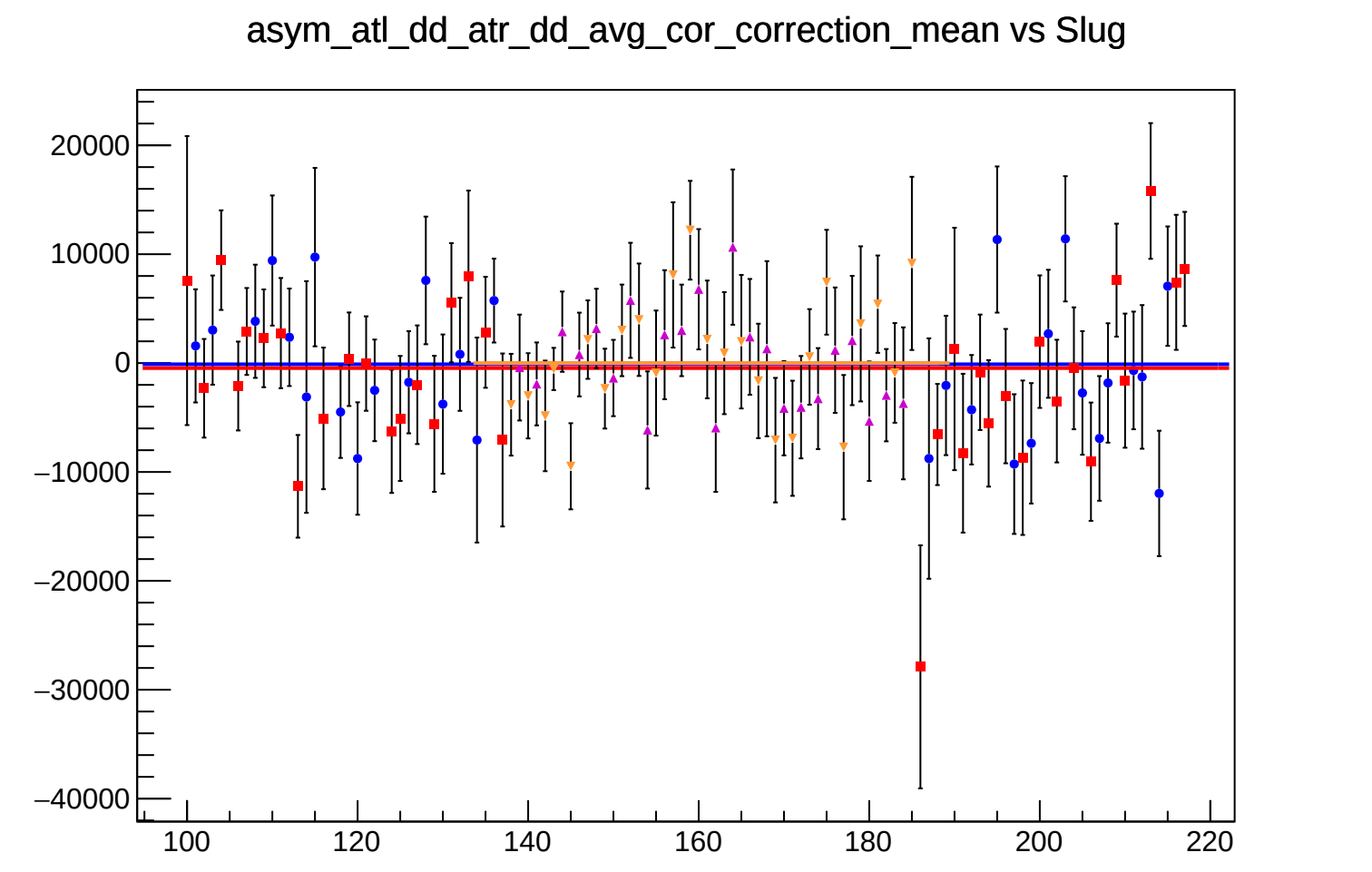
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

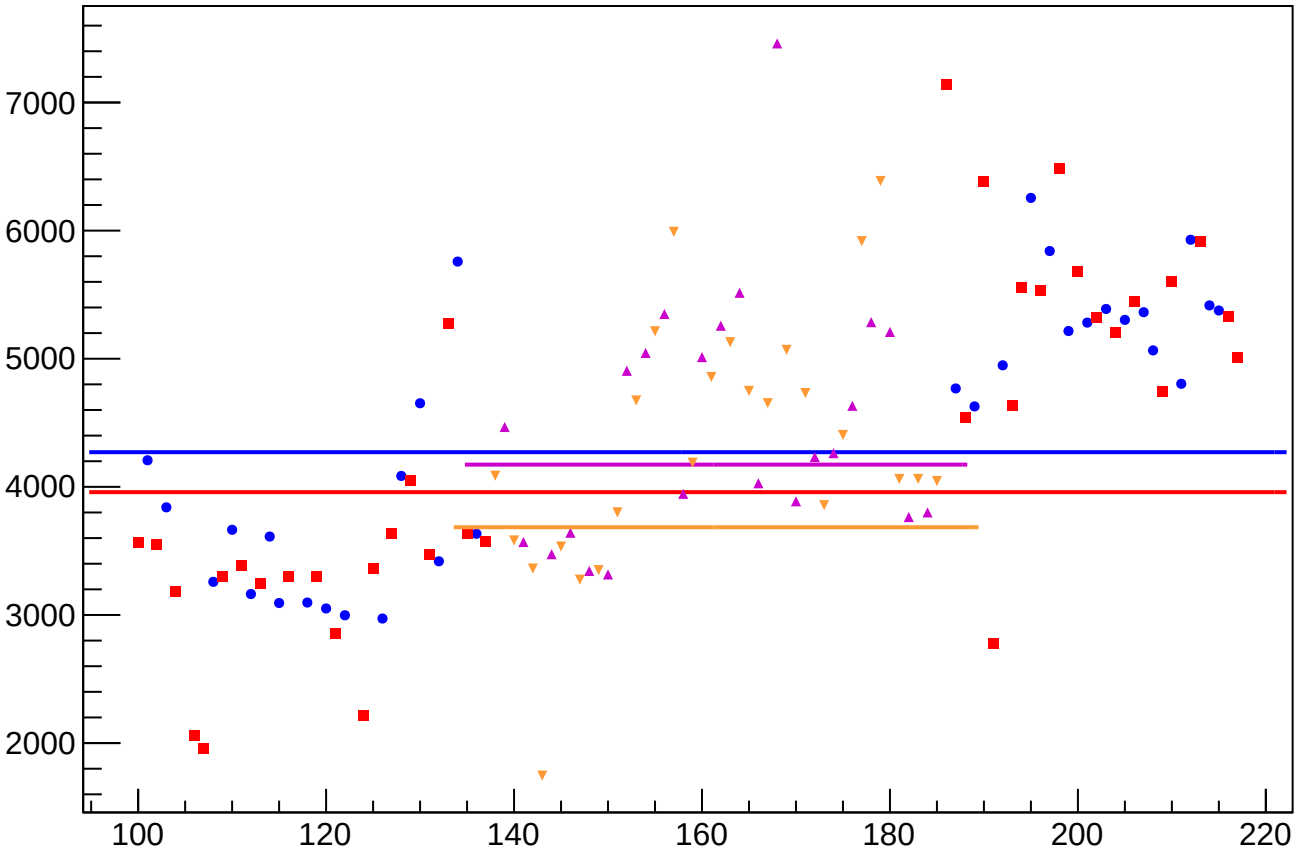
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

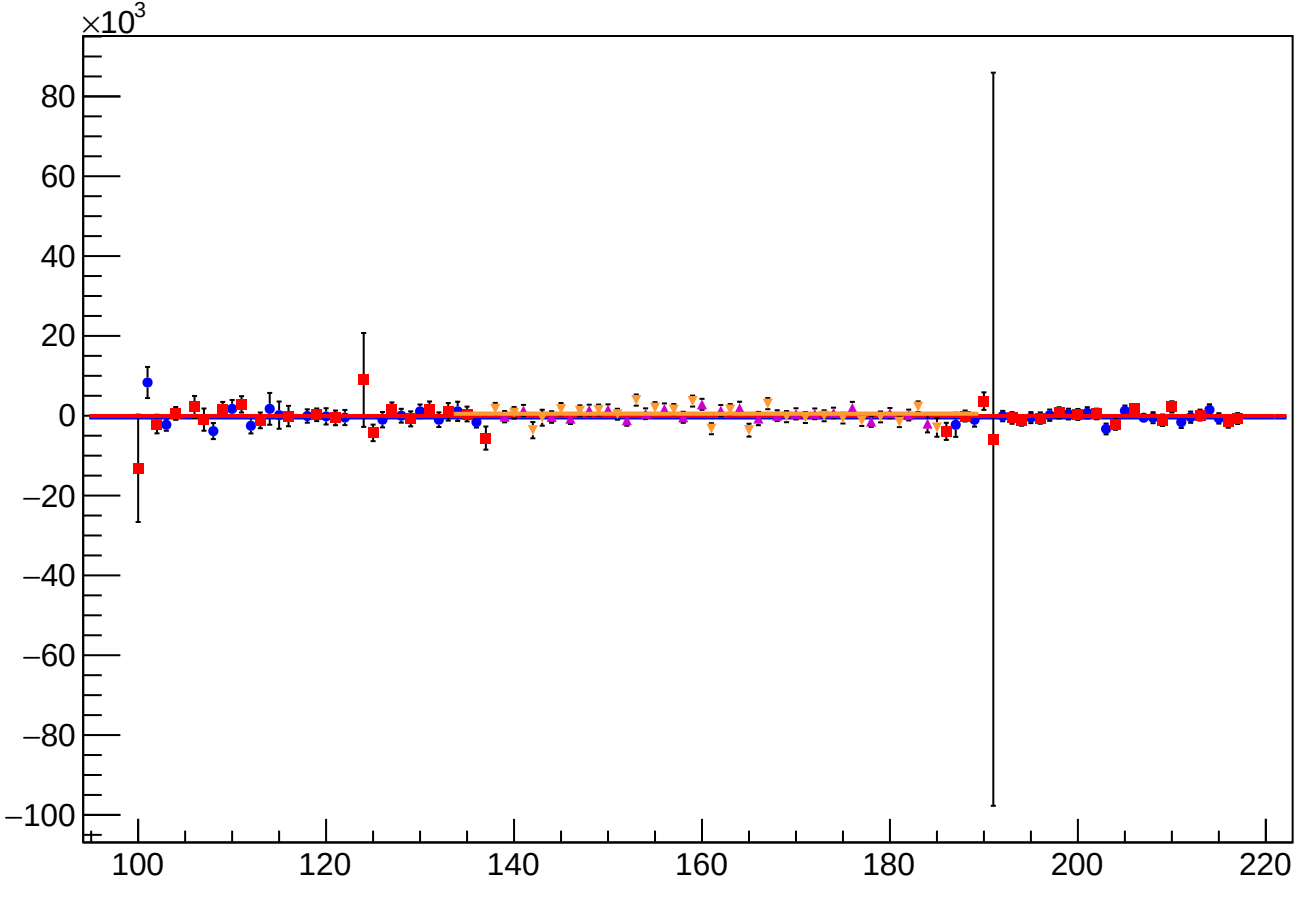
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

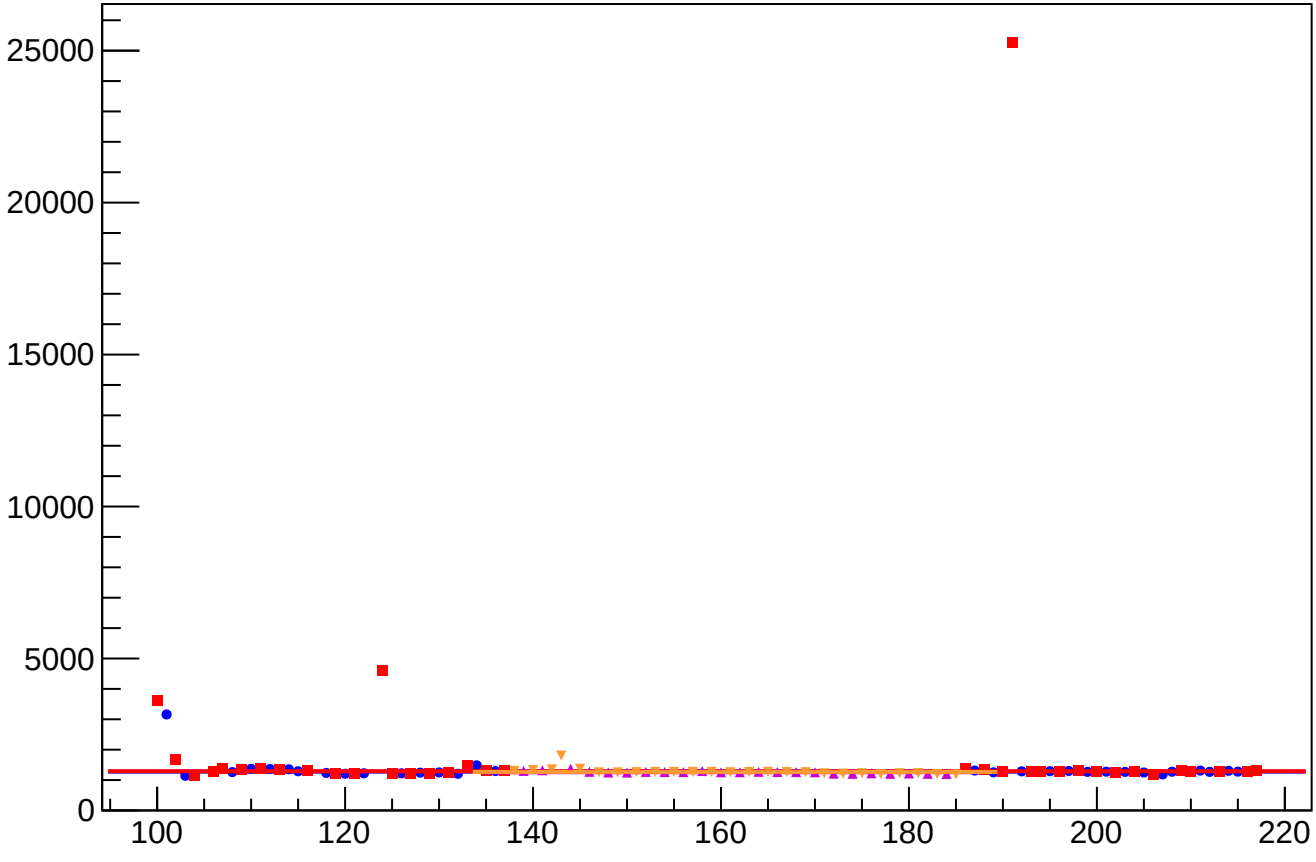
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

\- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

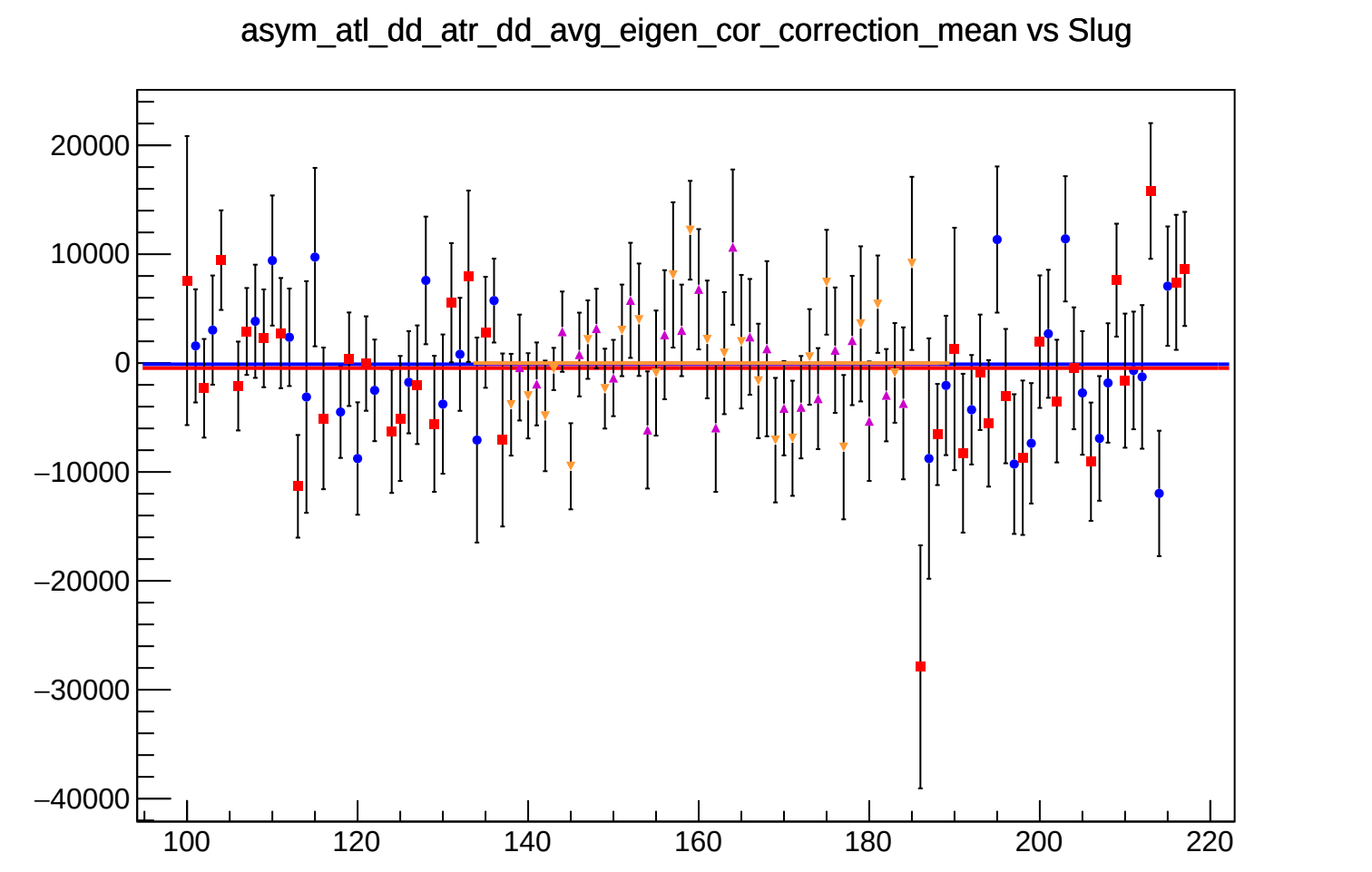
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

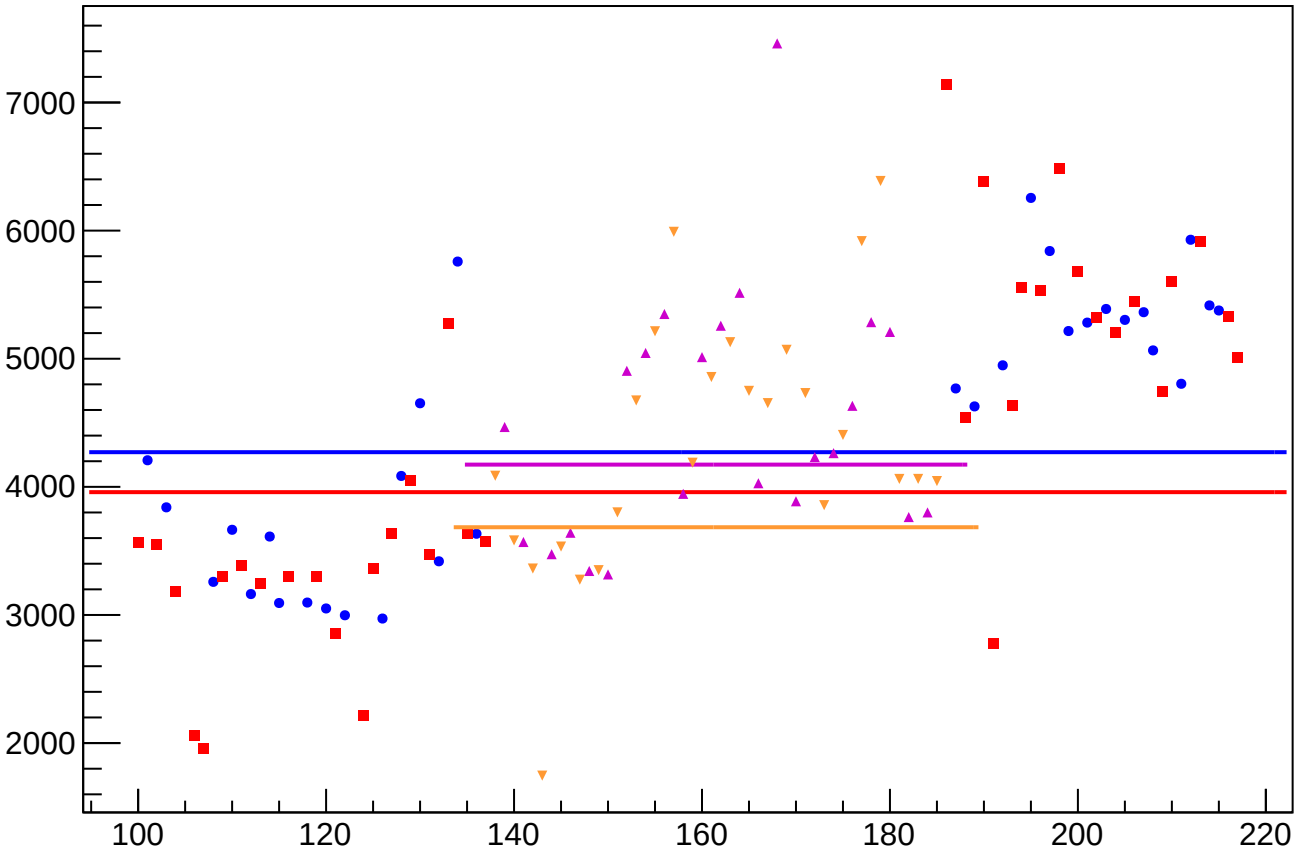
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

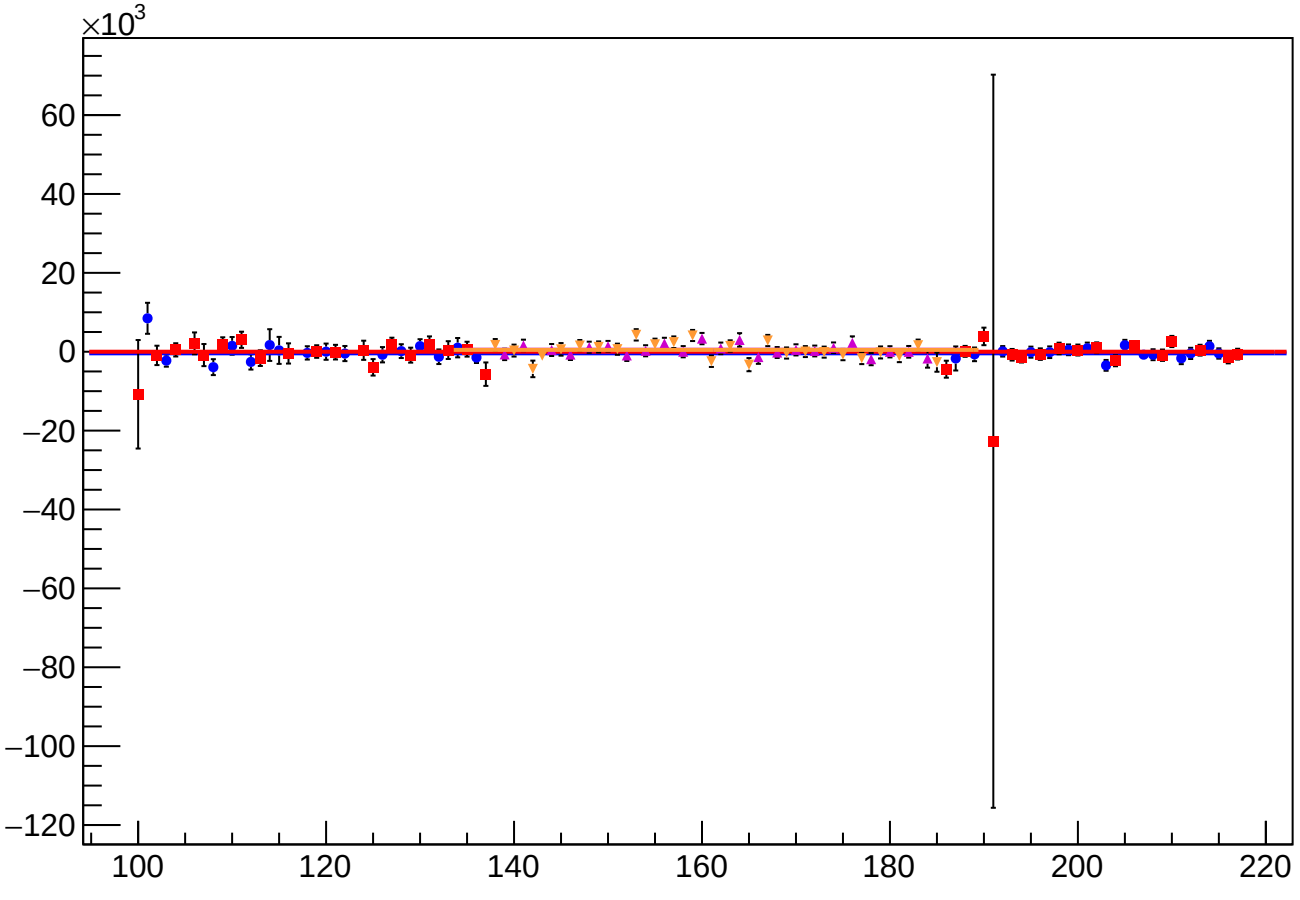
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

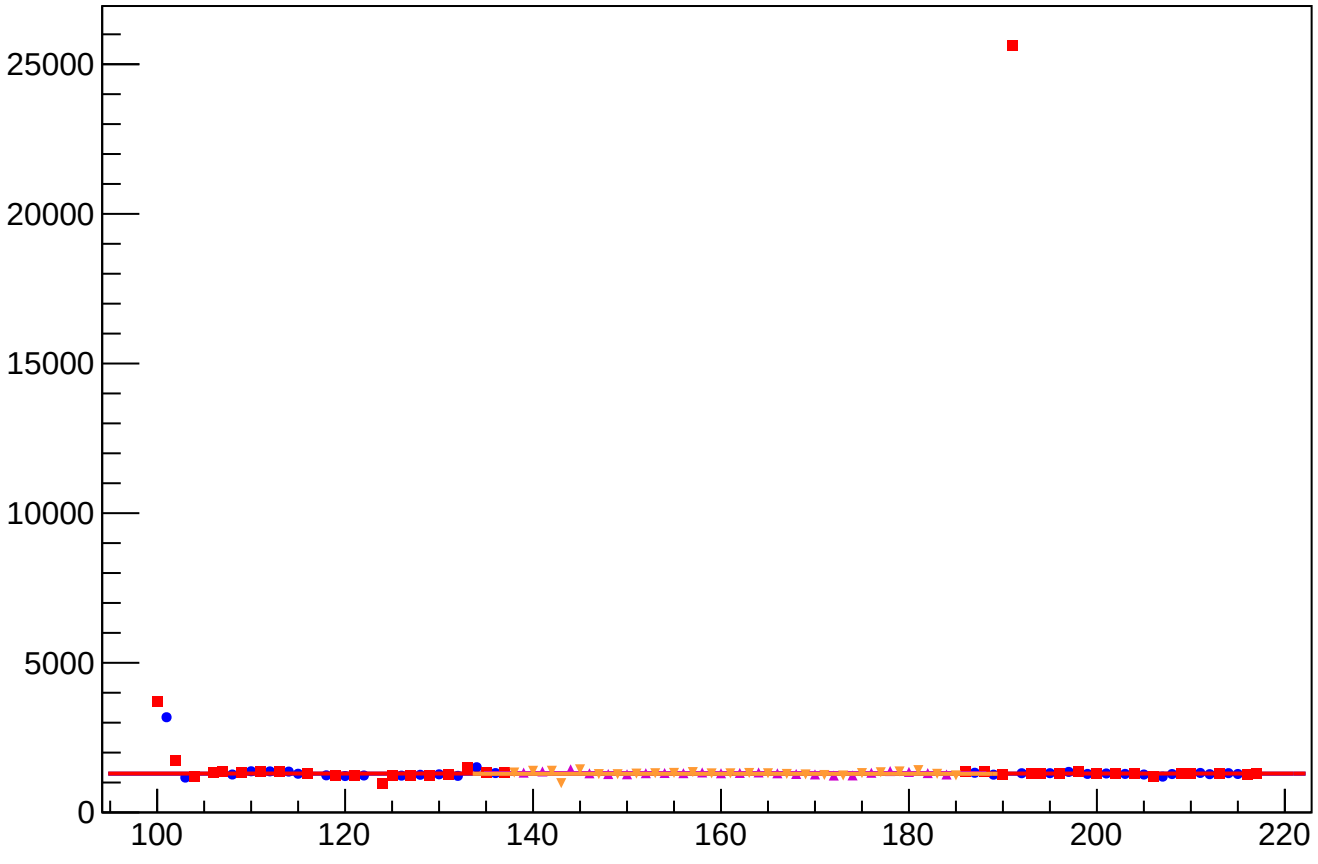
Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 36.262+/-209.021 χ^2/NDF: 74.1/55

All: 136.694+/-148.461 χ^2/NDF: 127.4/114

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

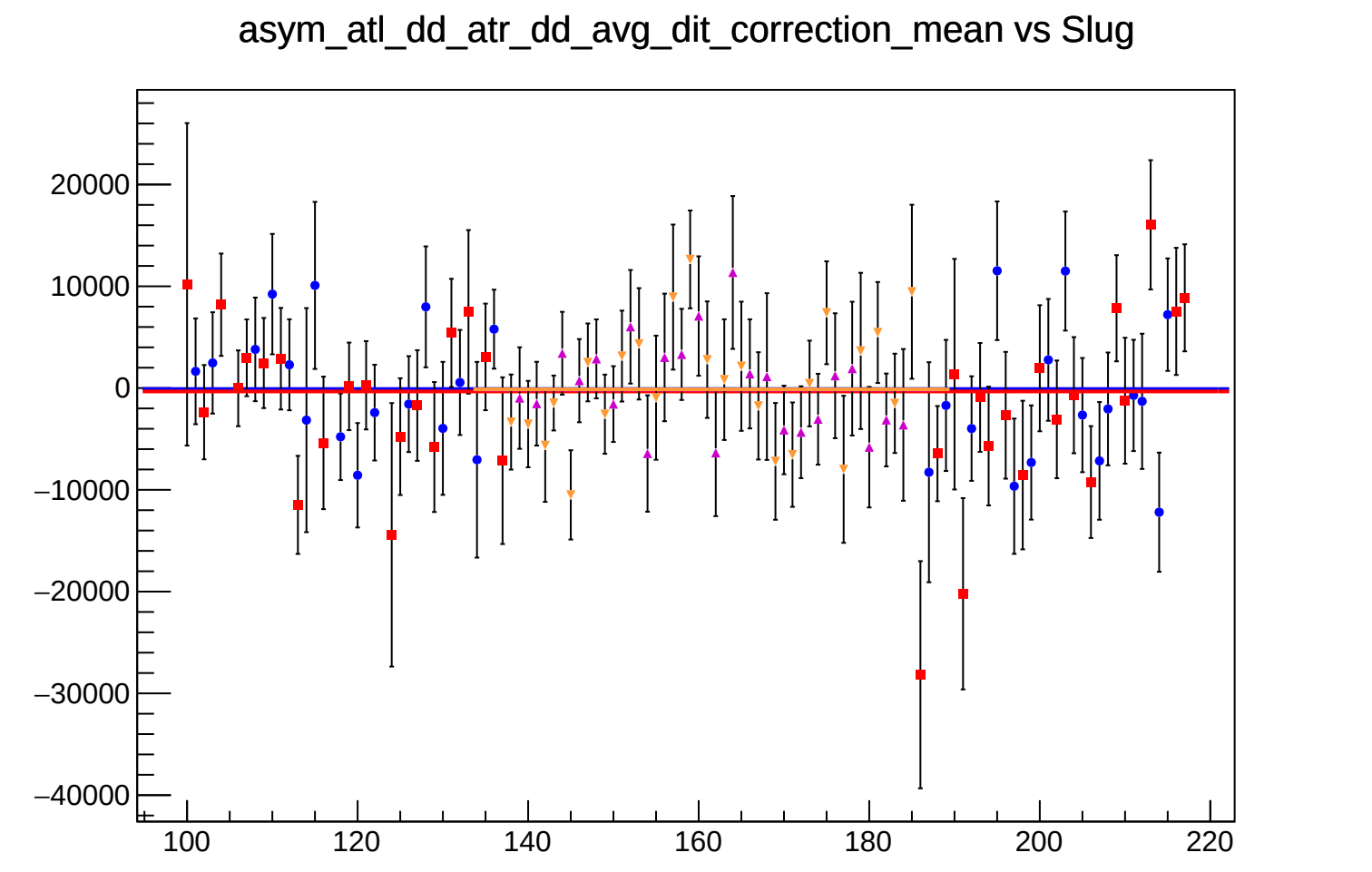
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.987+/-0.148 χ^2/NDF: 761091.5/55

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

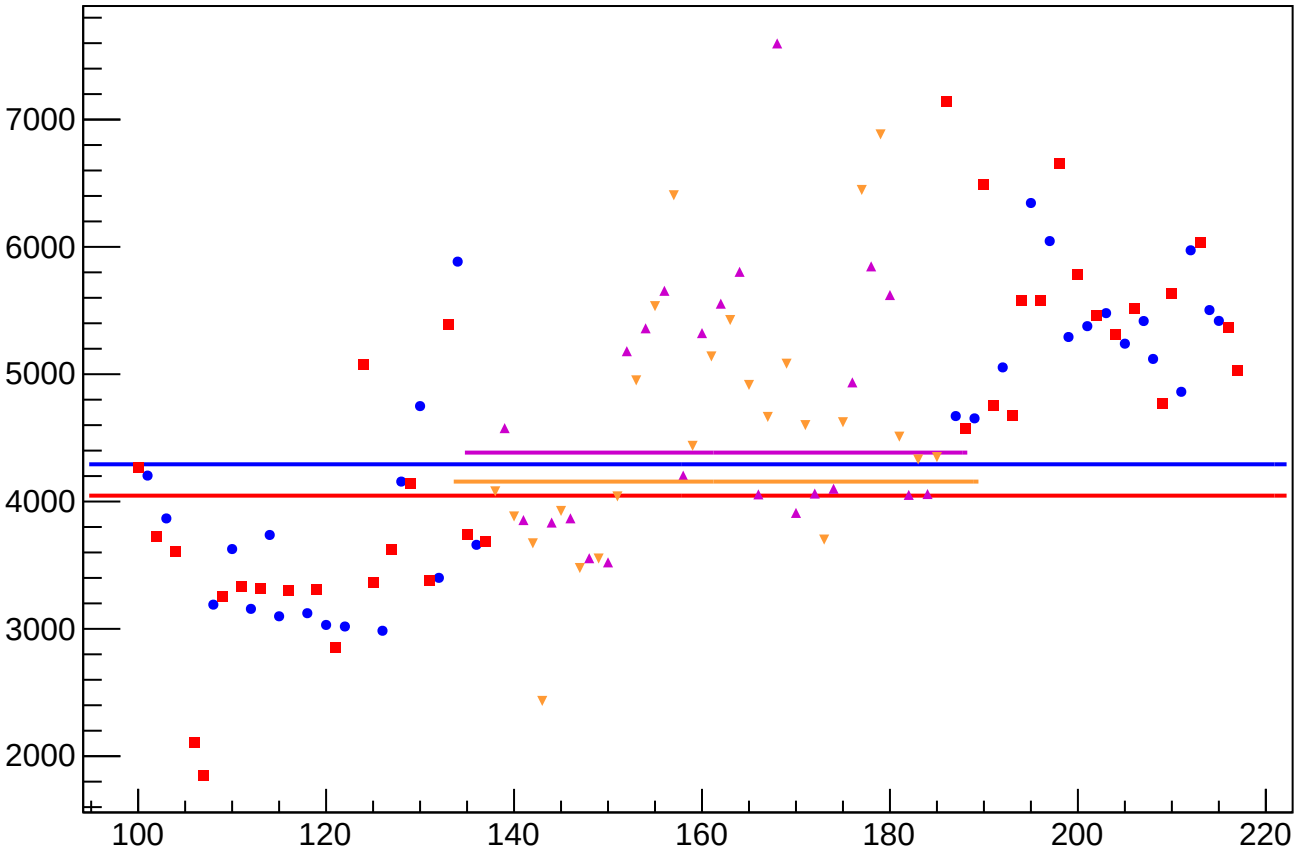
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -109.101+/-701.768 χ^2/NDF: 63.1/55

All: -183.603+/-494.420 χ^2/NDF: 125.3/114

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

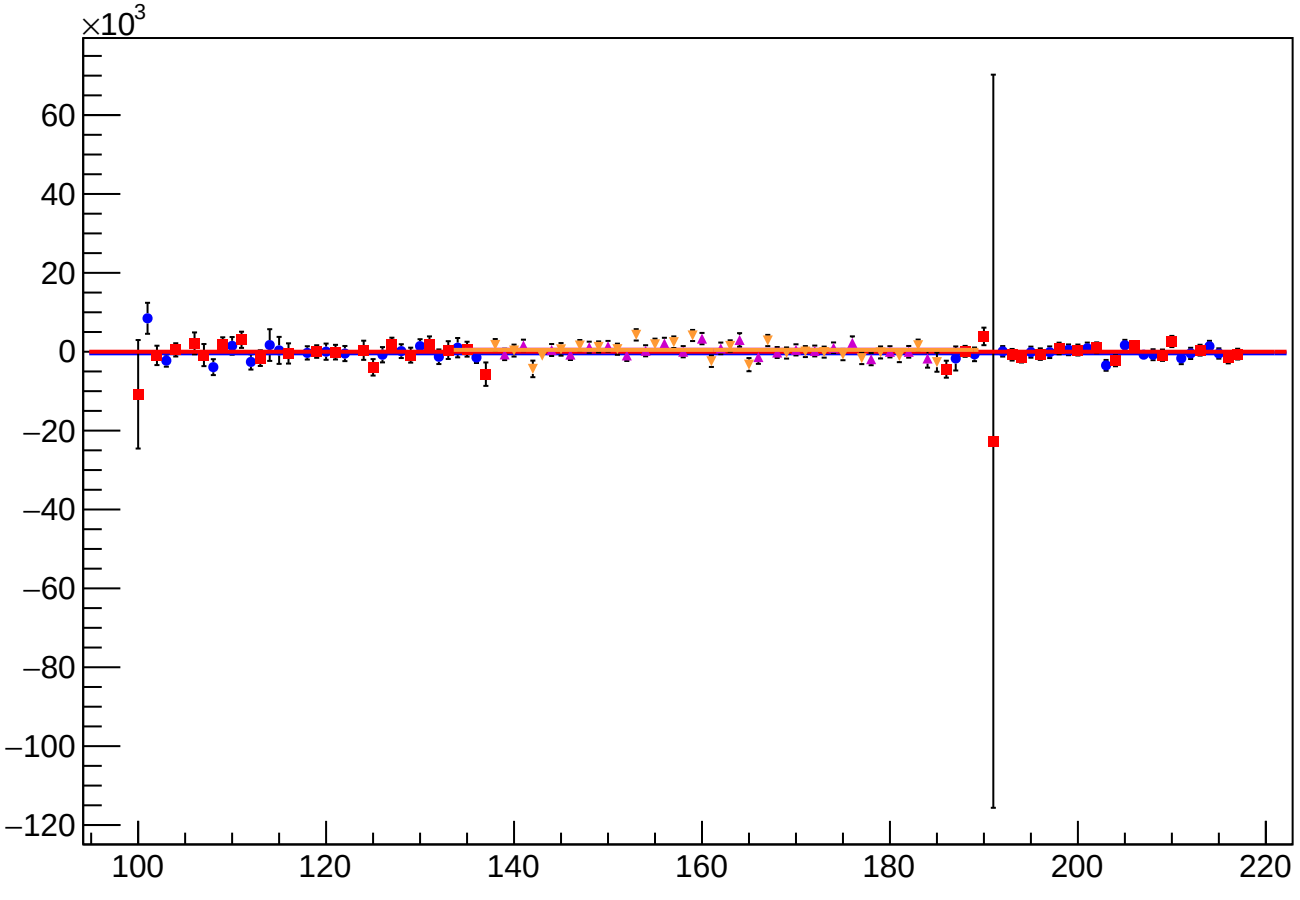
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4222.395+/-0.496 χ^2/NDF: 4241563.6/55

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

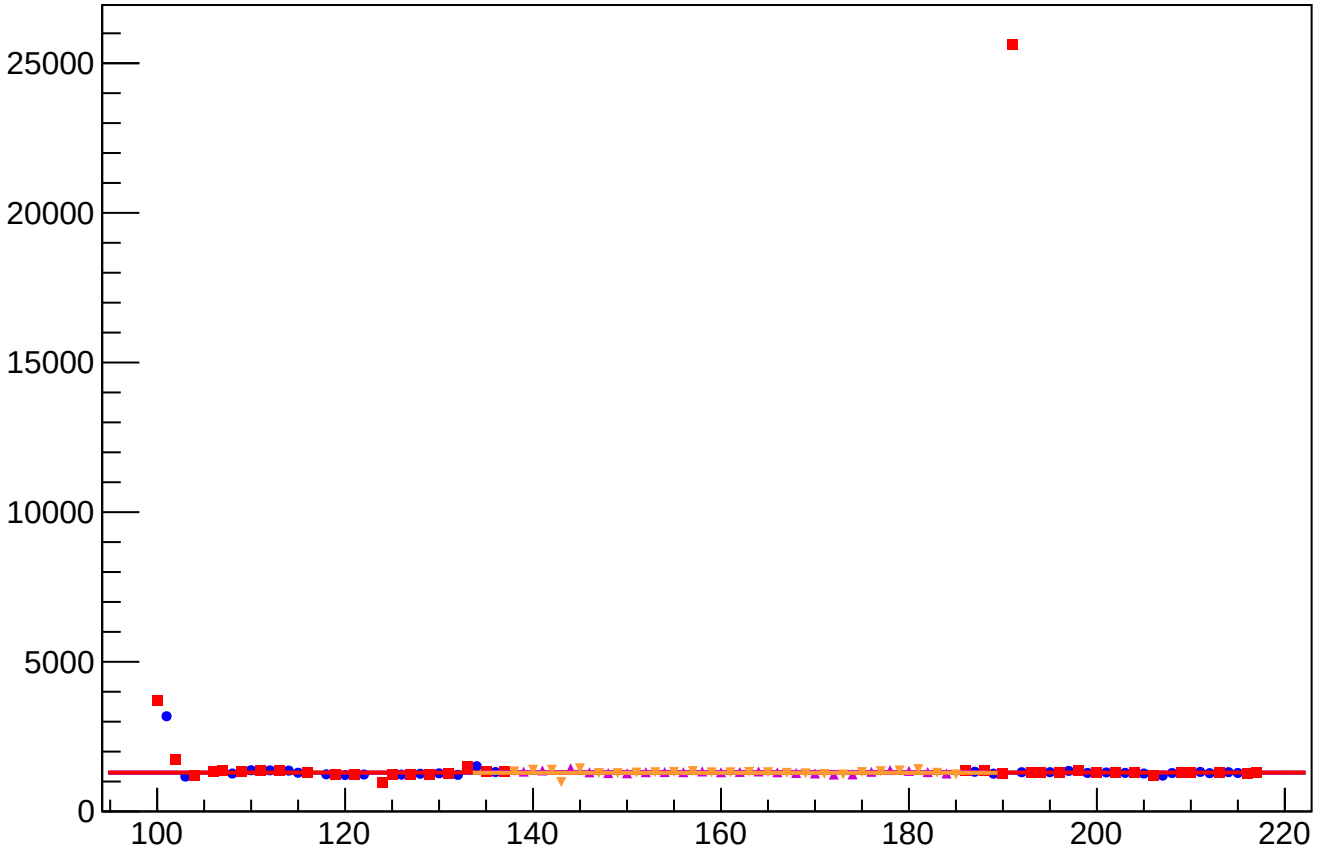
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 36.264+/-209.021 χ^2/NDF: 74.1/55

All: 136.695+/-148.461 χ^2/NDF: 127.4/114

- sign 238.943+/-210.904 χ^2/NDF: 52.8/58

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

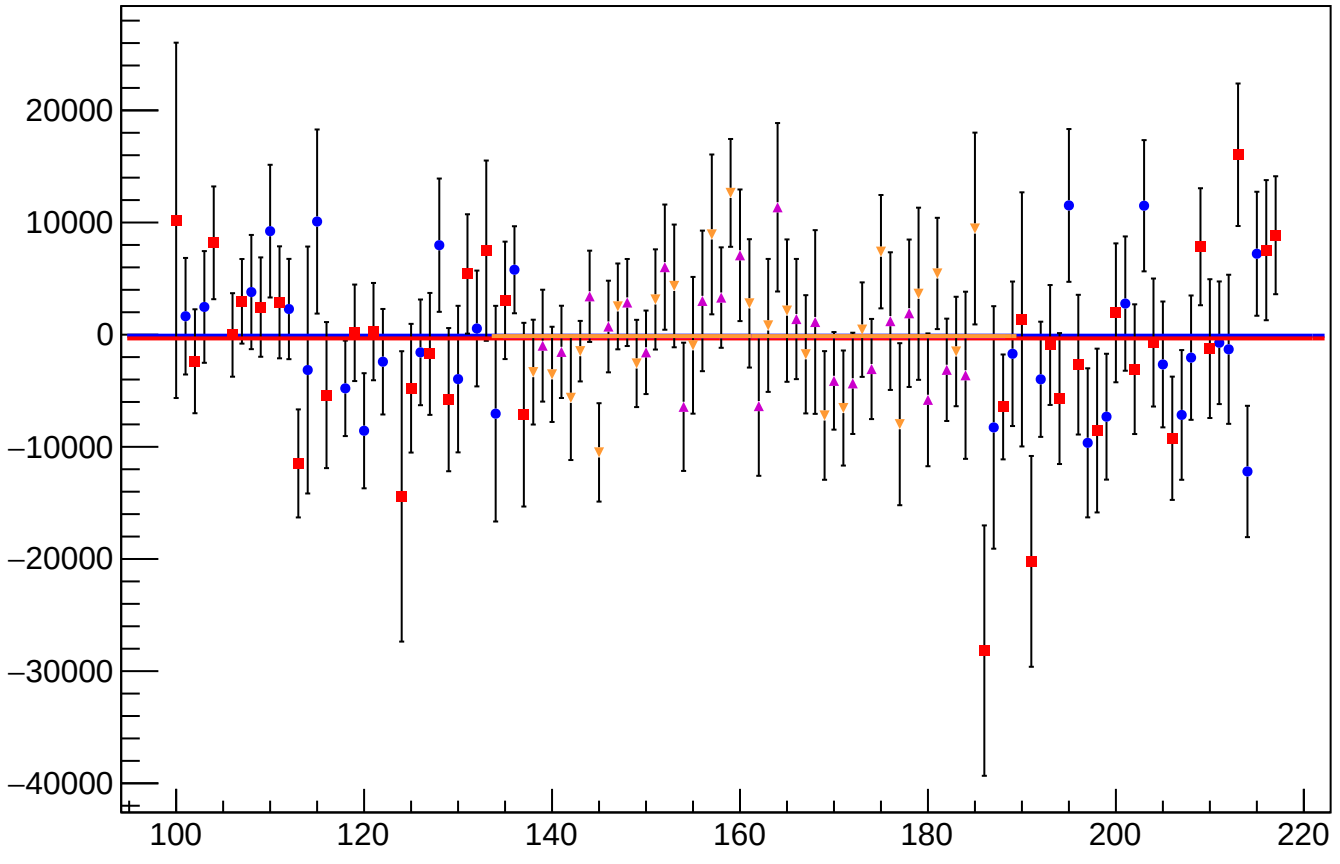
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.988+/-0.148 χ^2/NDF: 761093.9/55

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

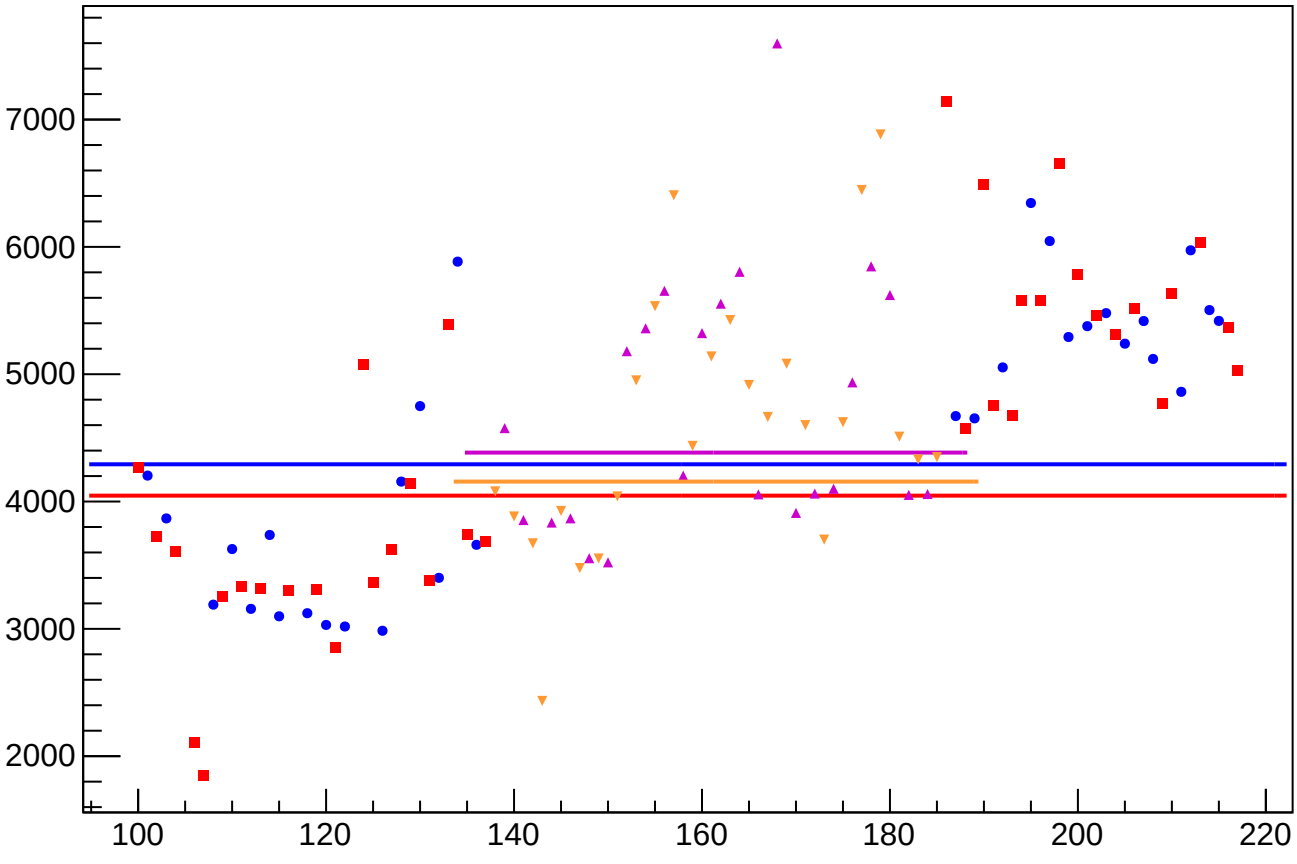
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -109.102+/-701.768 χ^2/NDF: 63.1/55

All: -183.602+/-494.420 χ^2/NDF: 125.3/114

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

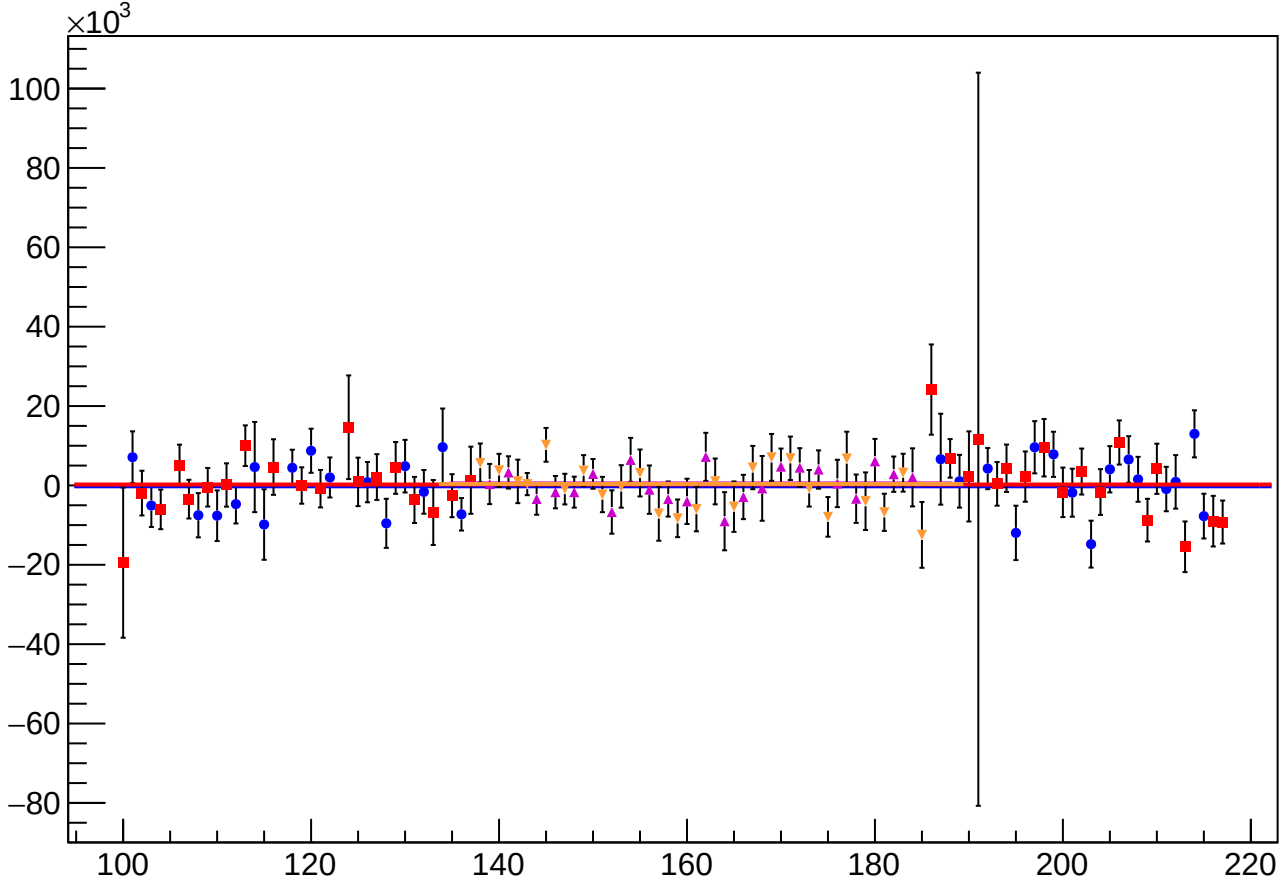
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4222.396+/-0.496 χ^2/NDF: 4241601.7/55

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11

- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

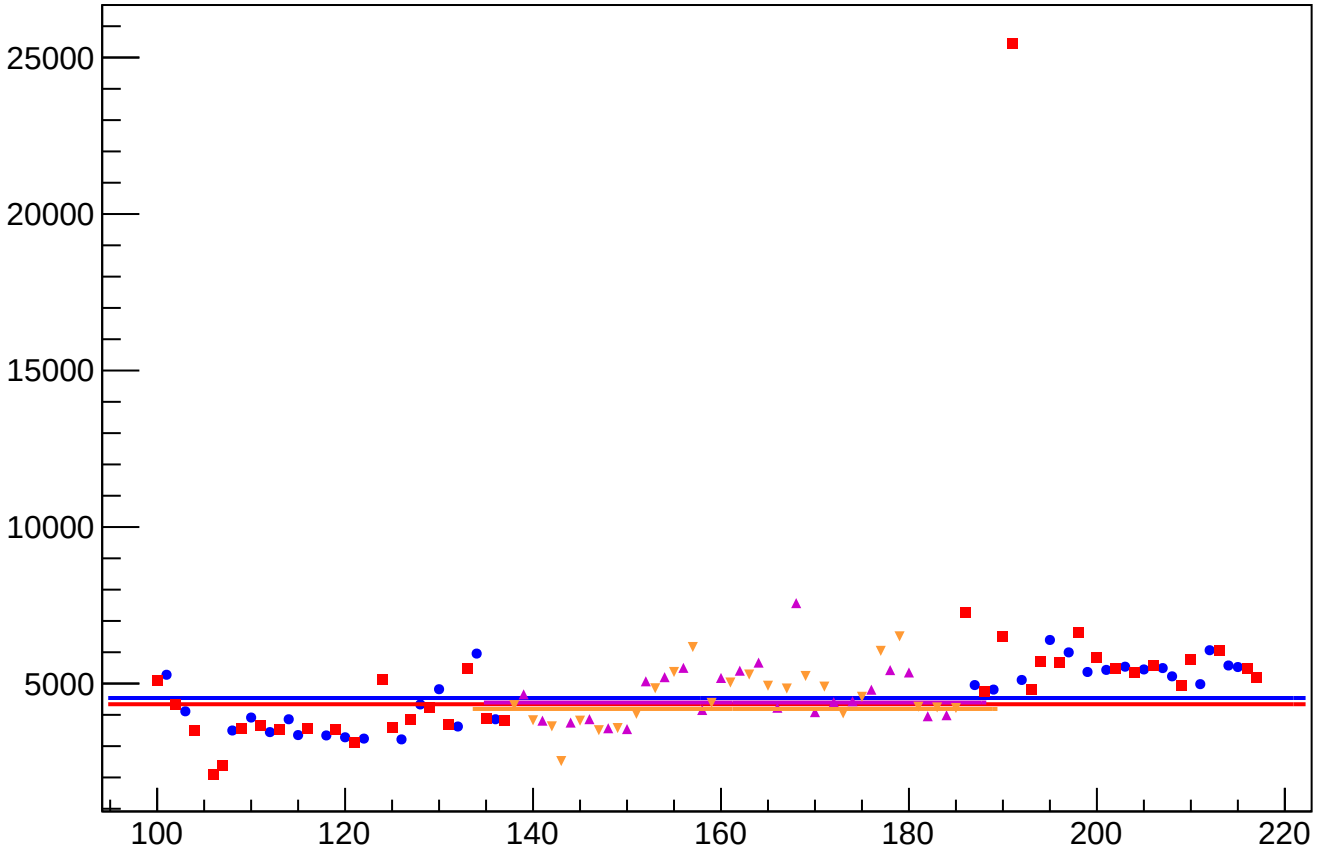
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 93.672+/-719.547 χ^2/NDF: 69.2/55

All: 224.820+/-510.862 χ^2/NDF: 121.8/114

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4538.146+/-0.750 χ^2/NDF: 1724125.7/30

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

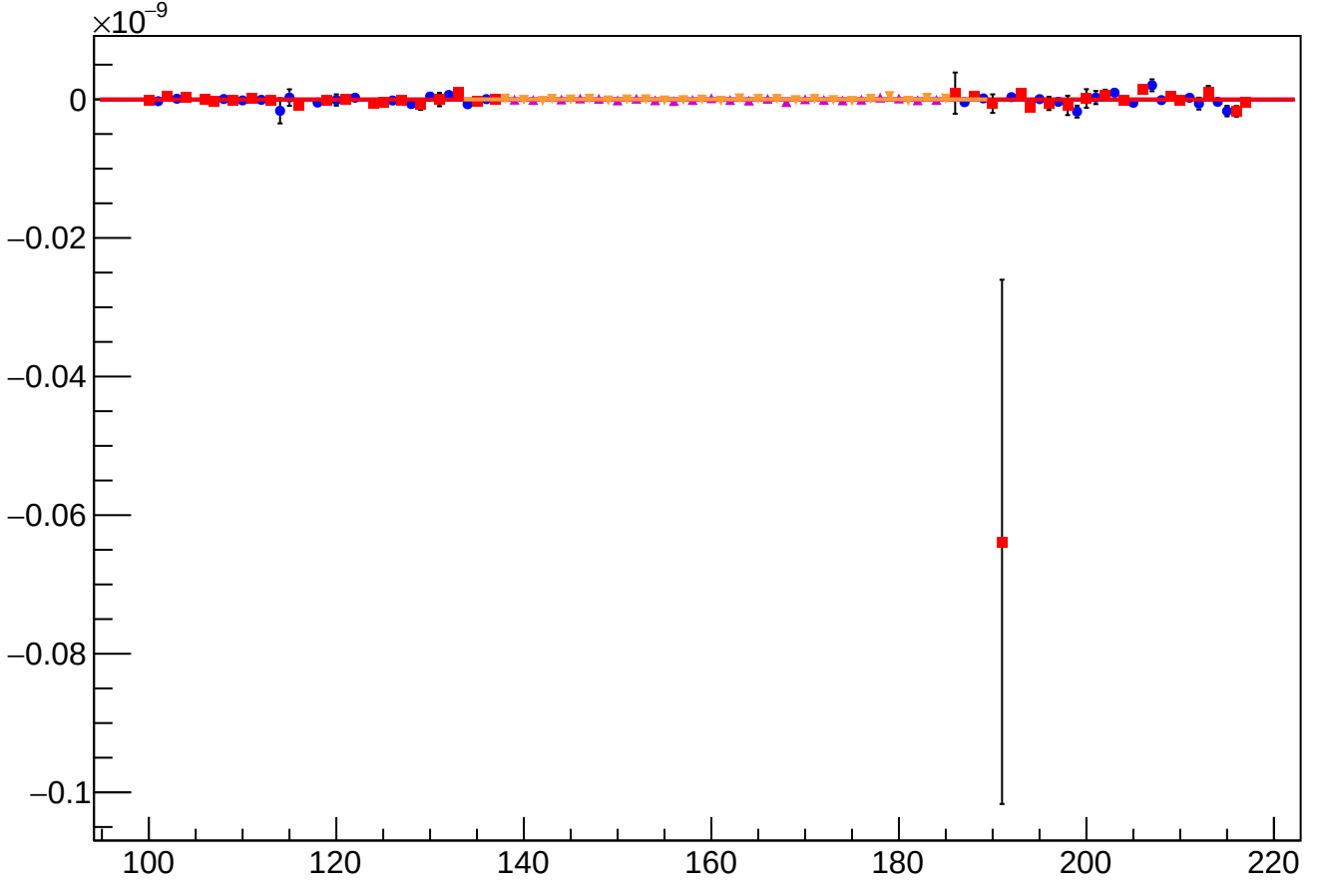
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4349.249+/-0.509 χ^2/NDF: 3638244.4/55

All: 4357.358+/-0.361 χ^2/NDF: 7620782.8/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

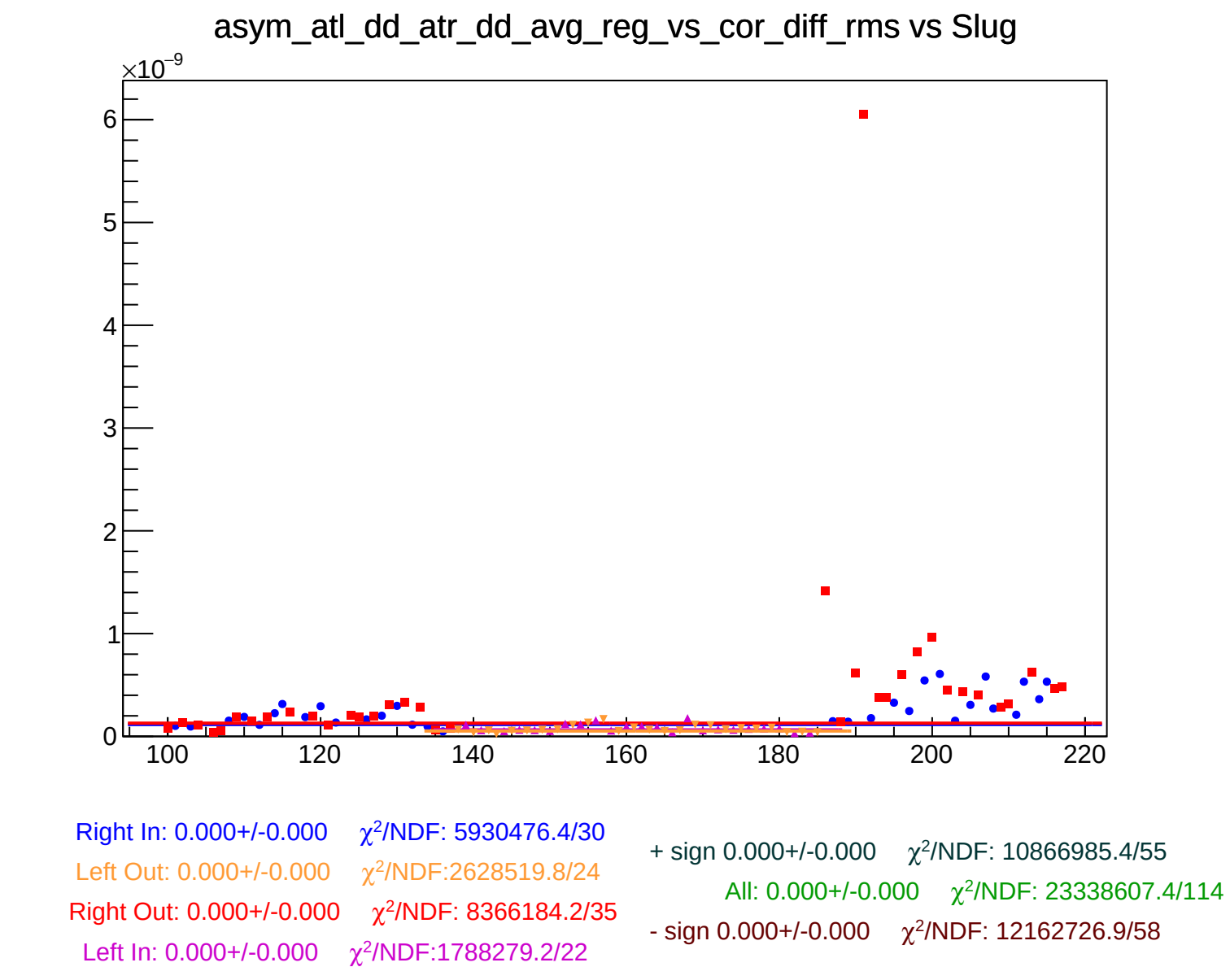
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

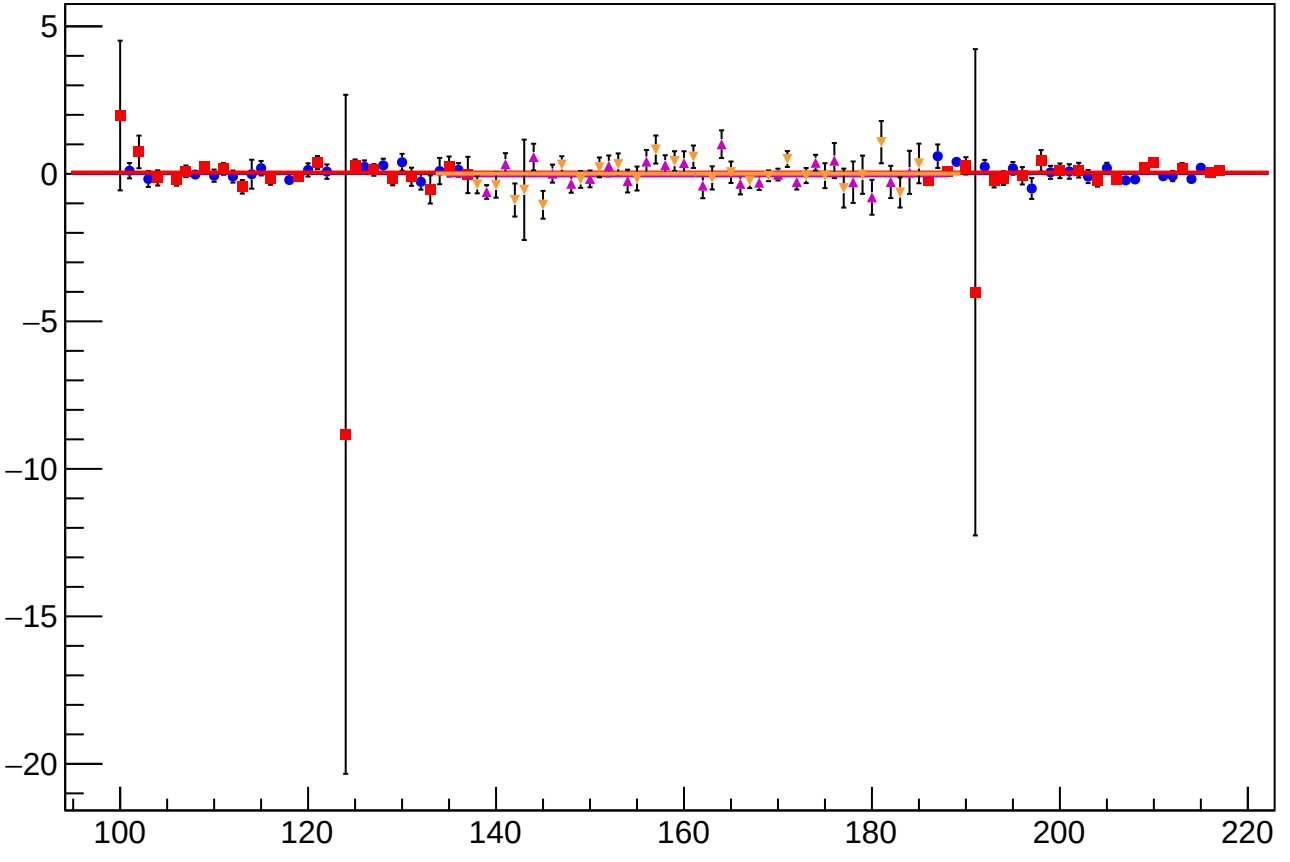
+ sign -0.000+/-0.000 χ^2/NDF: 71.1/55

All: -0.000+/-0.000 χ^2/NDF: 128.8/114

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10866985.4/55
All: 0.000+/-0.000 χ²/NDF: 23338607.4/114
- sign 0.000+/-0.000 χ²/NDF: 12162726.9/58

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

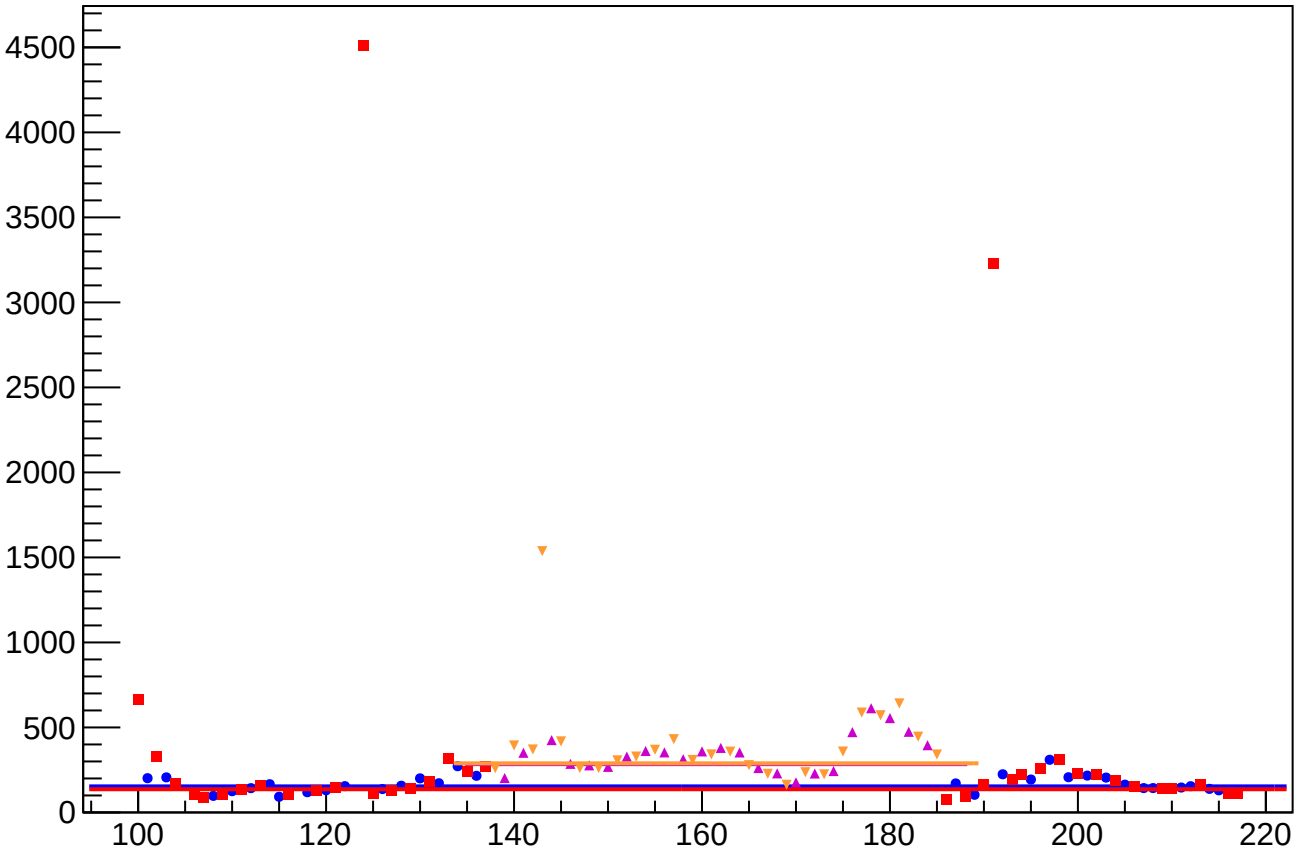
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

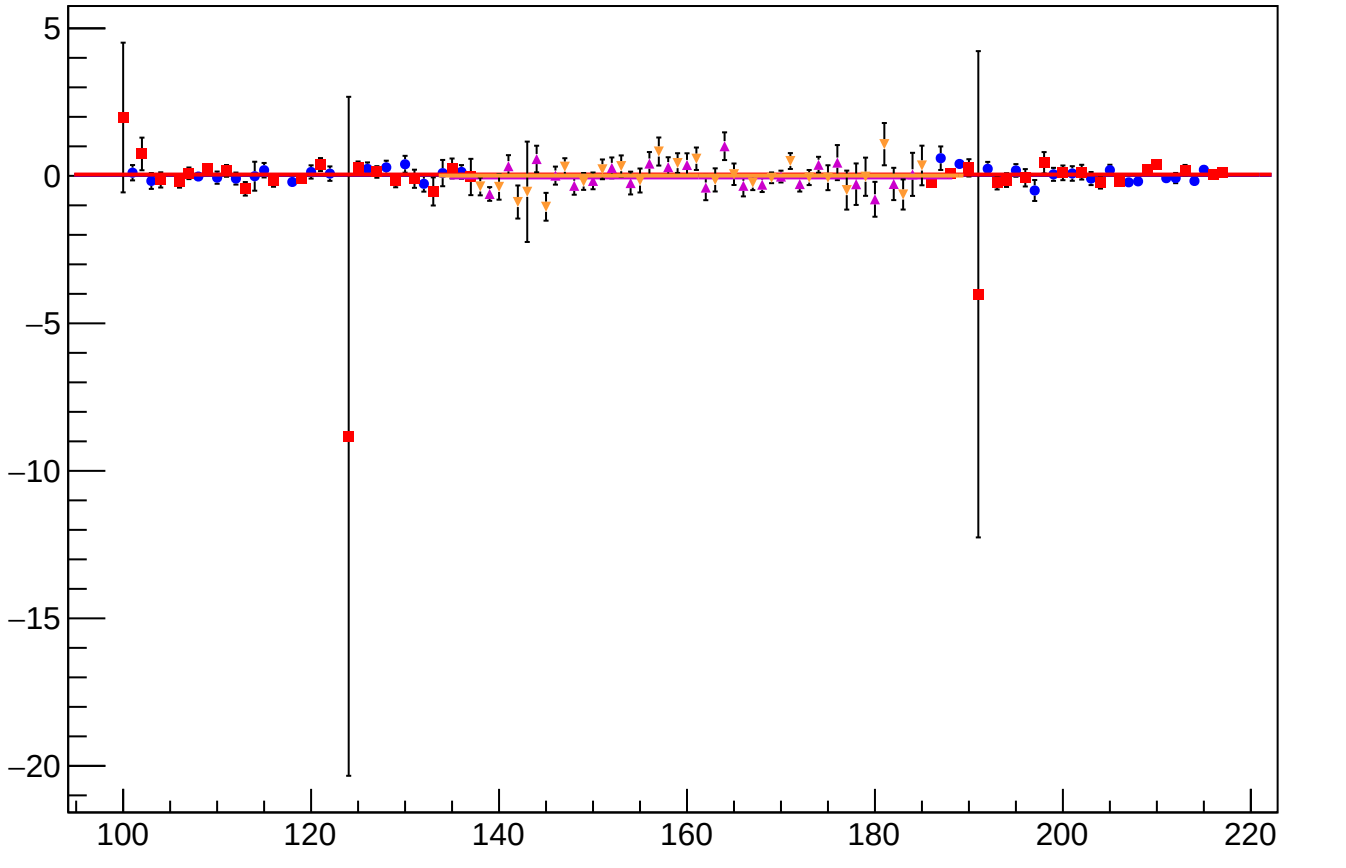
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 153.295+/-0.026 χ²/NDF: 2349343.2/30
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 136.564+/-0.023 χ²/NDF: 4892006.5/35
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 182.019+/-0.023 χ²/NDF: 12746955.7/55
All: 171.888+/-0.016 χ²/NDF: 28265631.1/11
- sign 163.355+/-0.021 χ²/NDF: 15164655.9/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

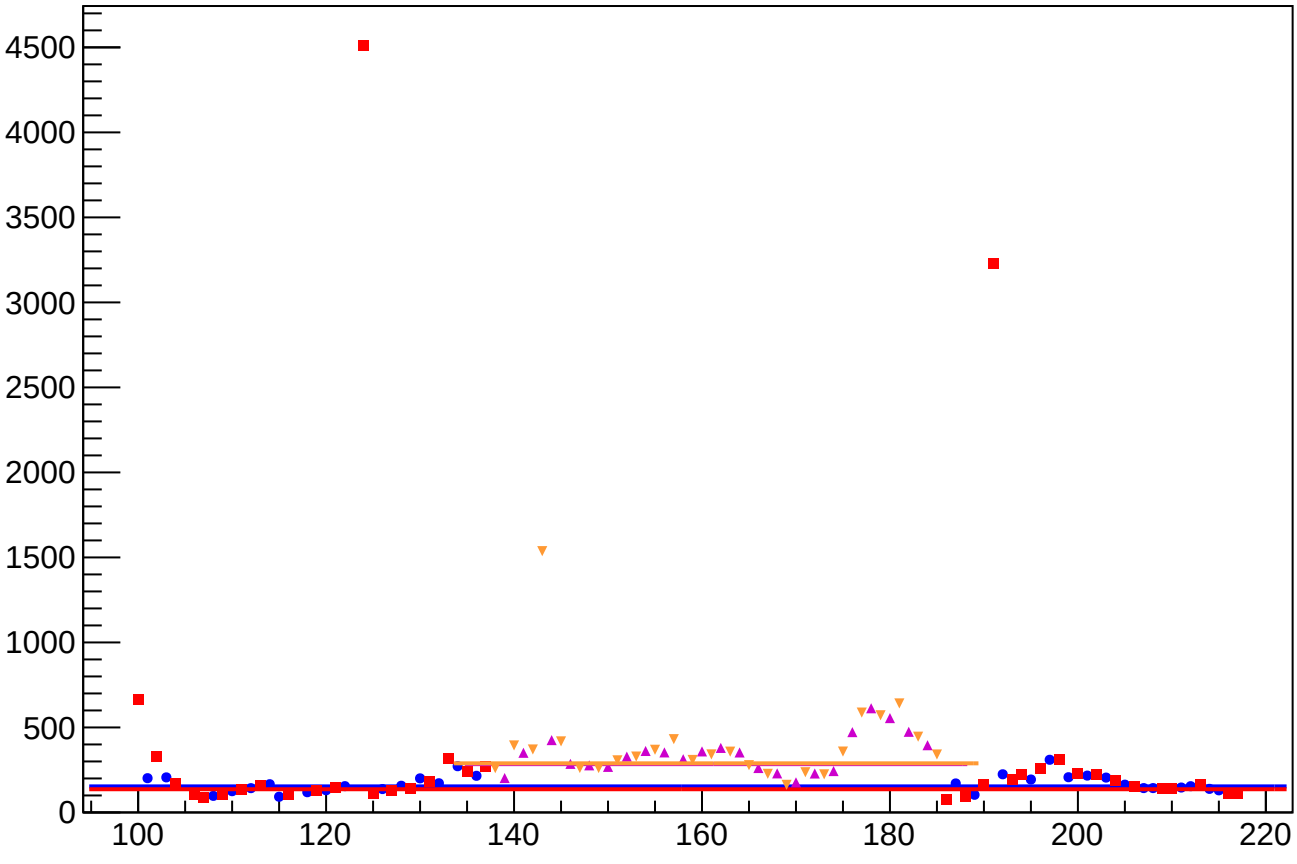
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

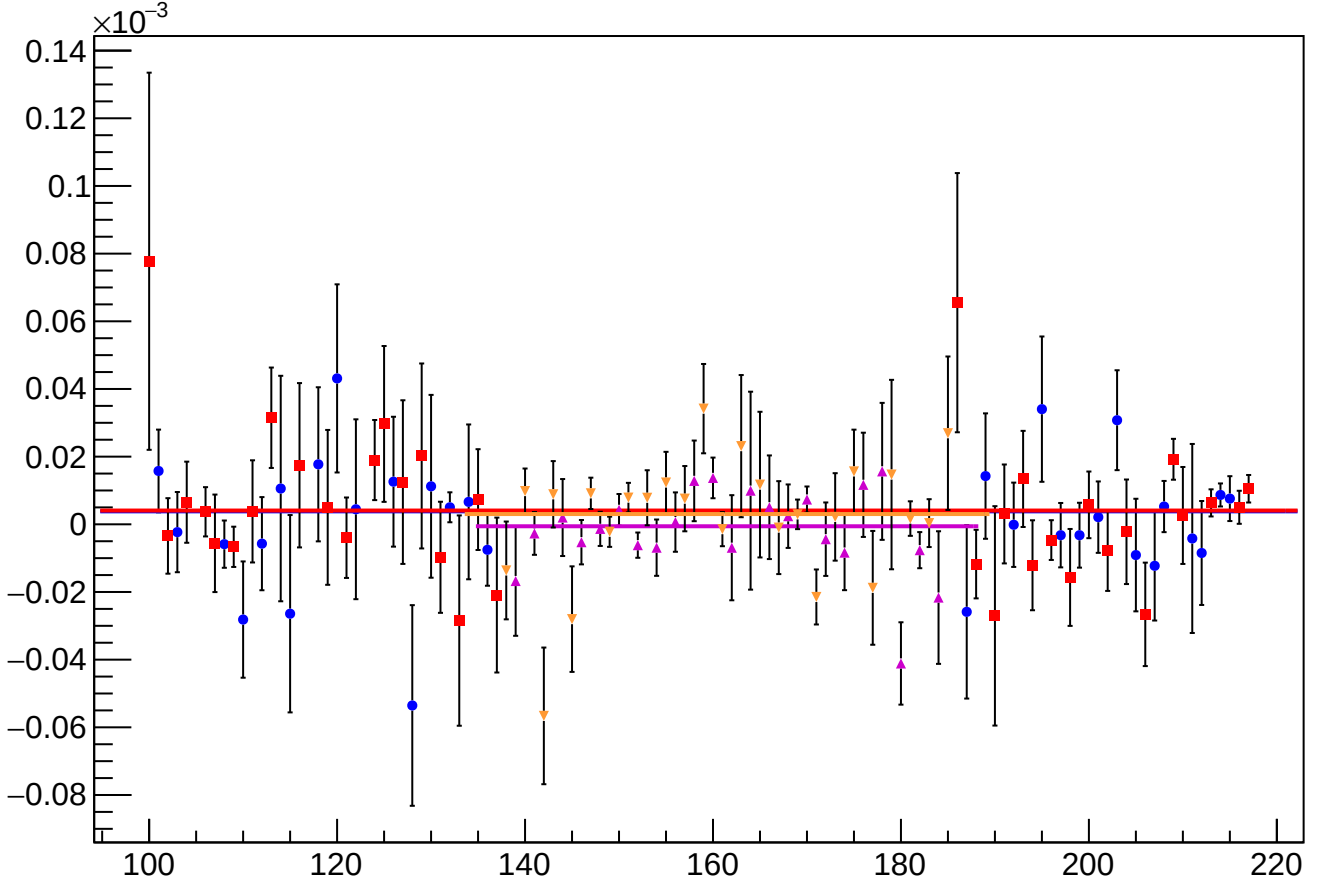
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 182.019+/-0.023 χ^2/NDF: 12746955.7/55

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

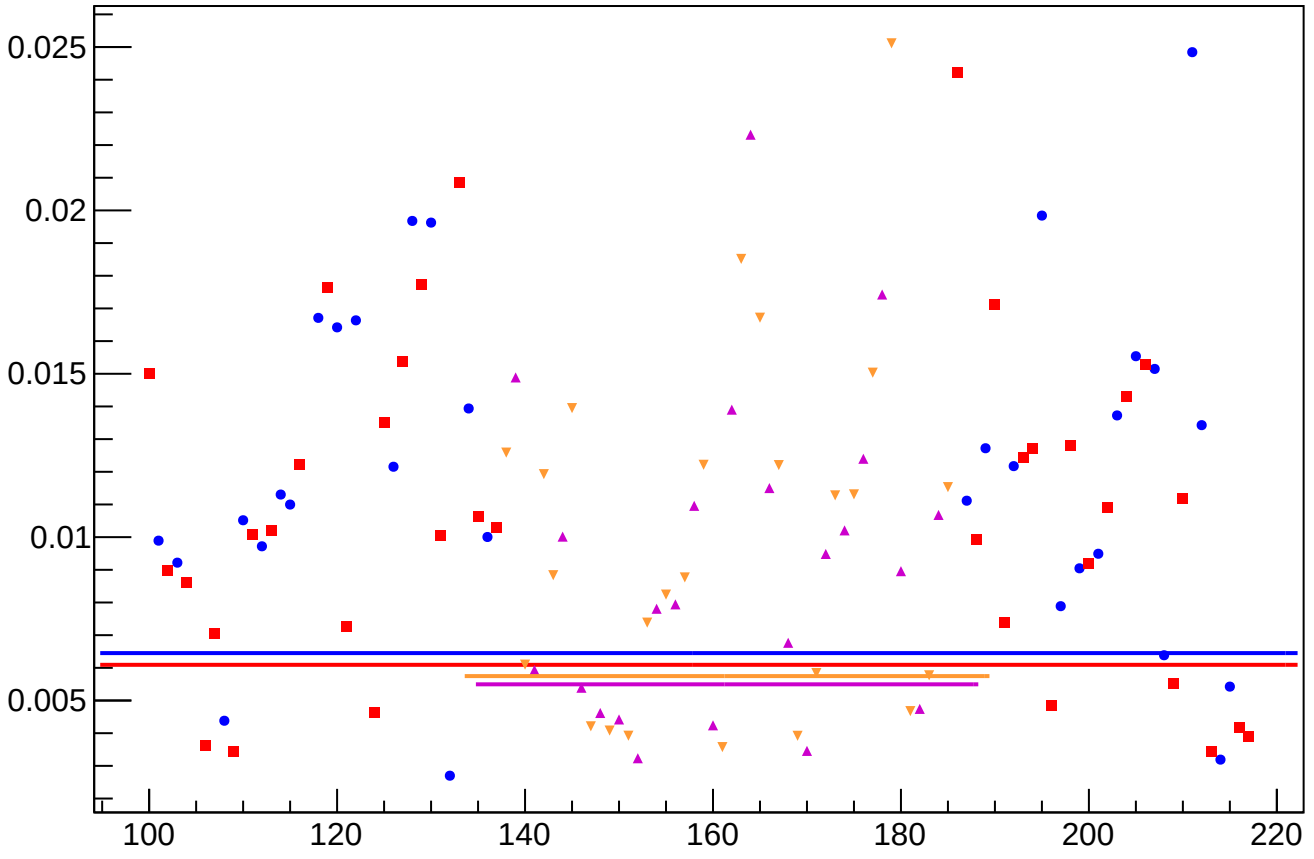
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/55

All: 0.000+/-0.000 χ^2/NDF: 152.7/114

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58



Right In: 0.006+/-0.000 χ^2/NDF: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

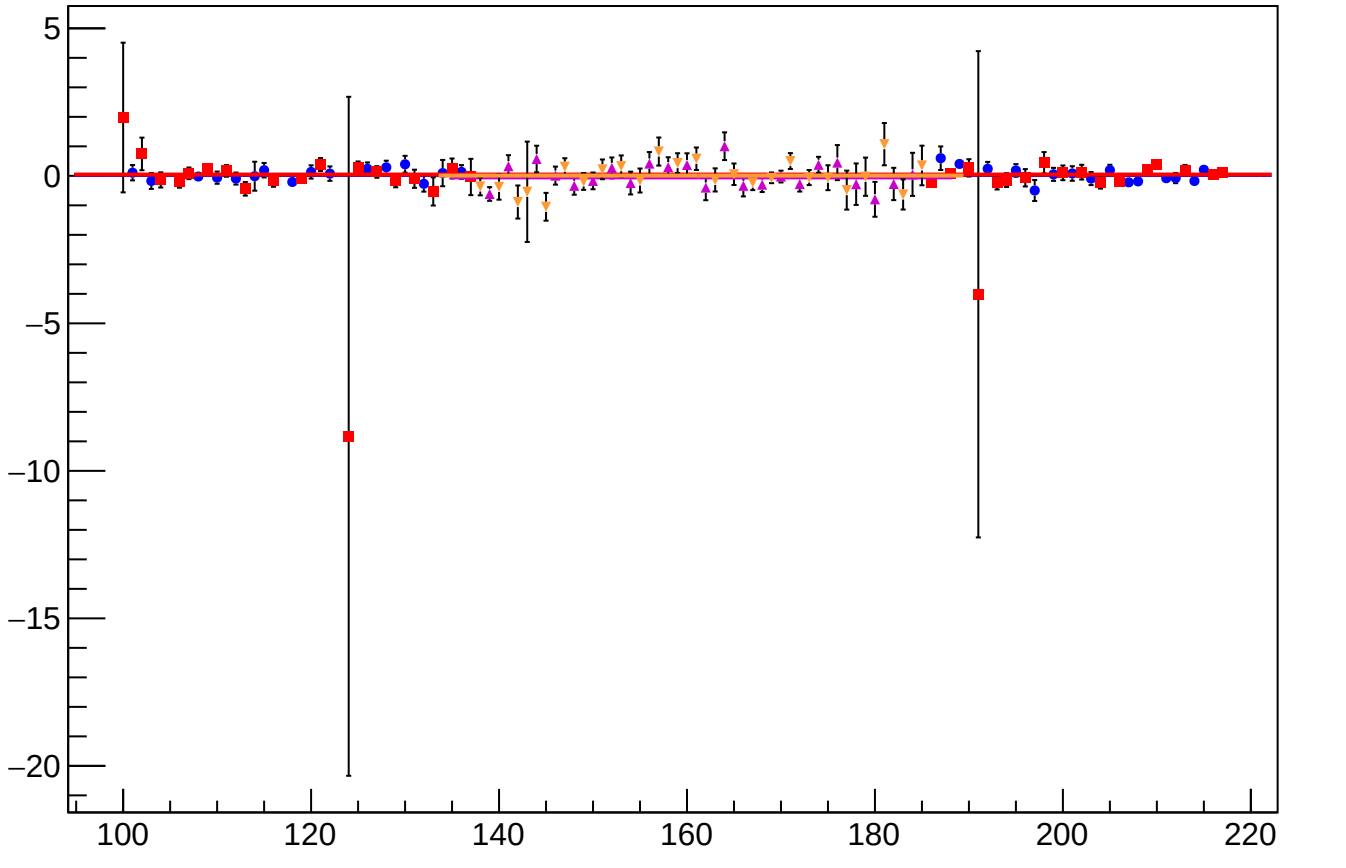
Right Out: 0.006+/-0.000 χ^2/NDF: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19625941.1/55

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

\- sign 0.006+/-0.000 χ^2/NDF: 16930806.2/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

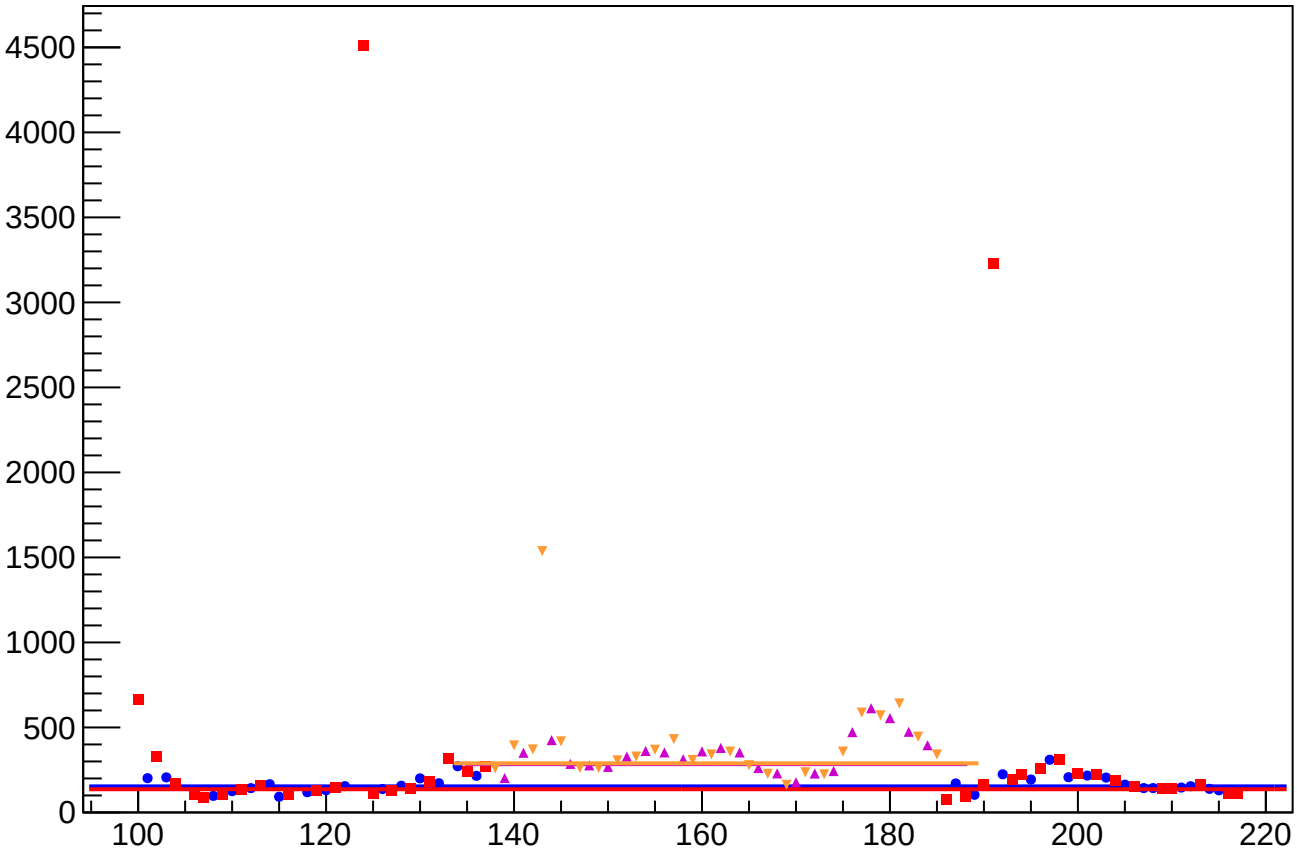
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

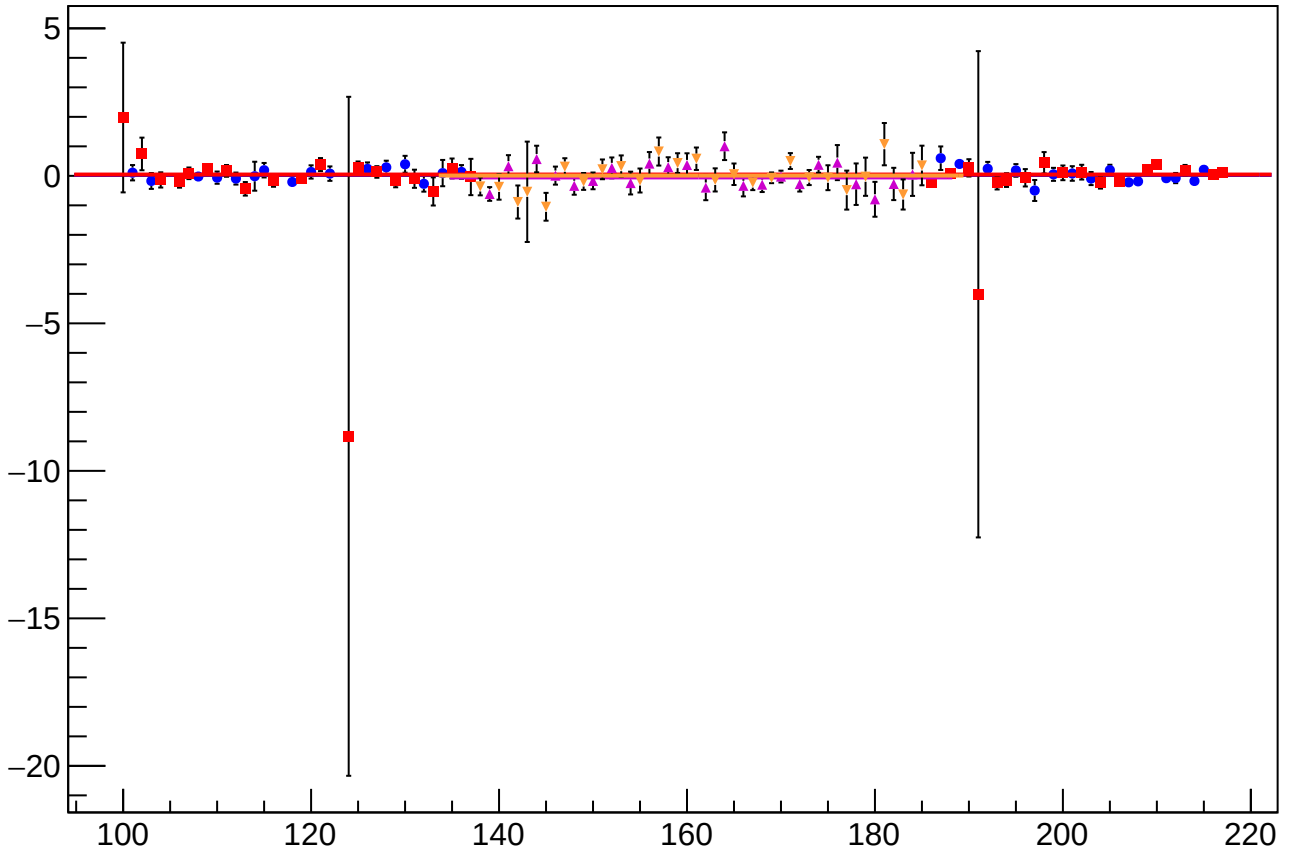
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

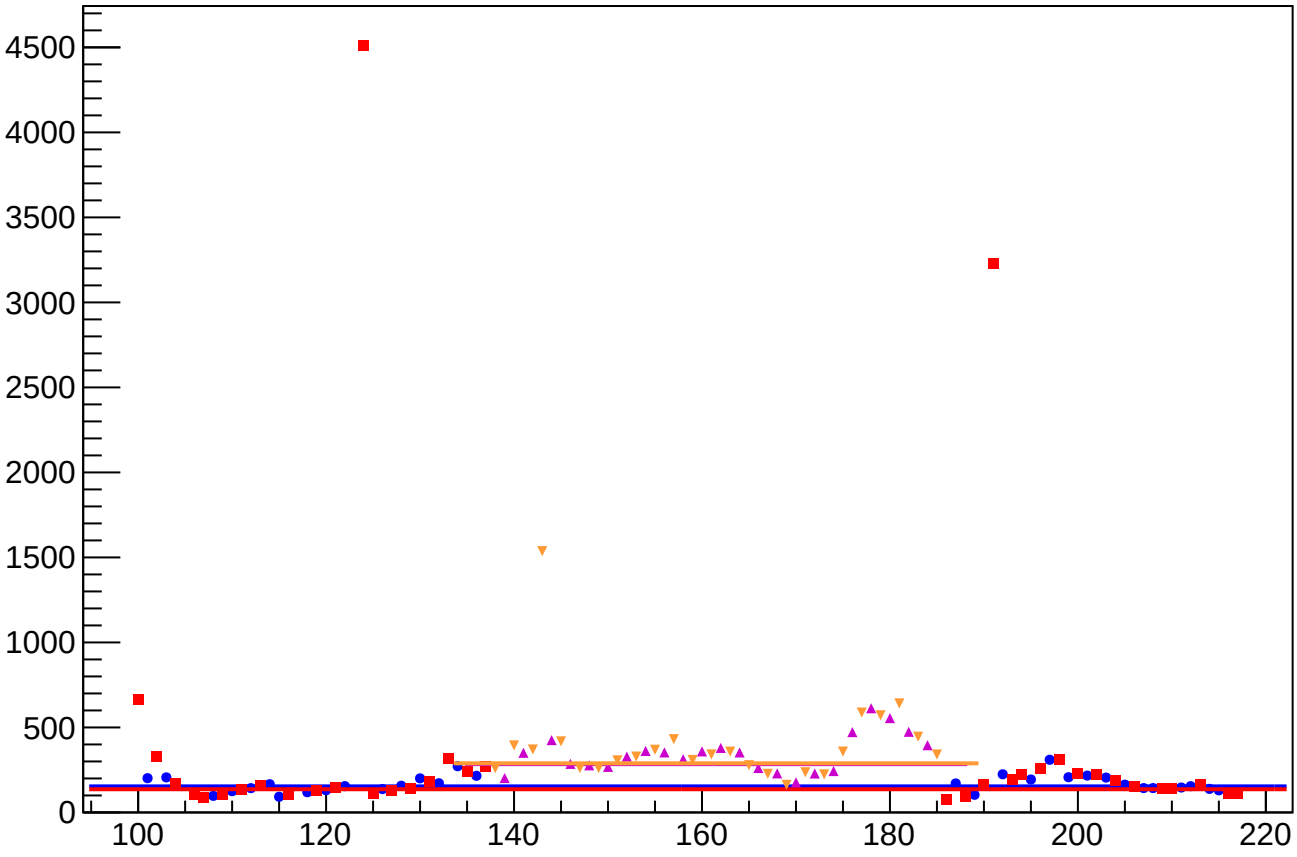
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

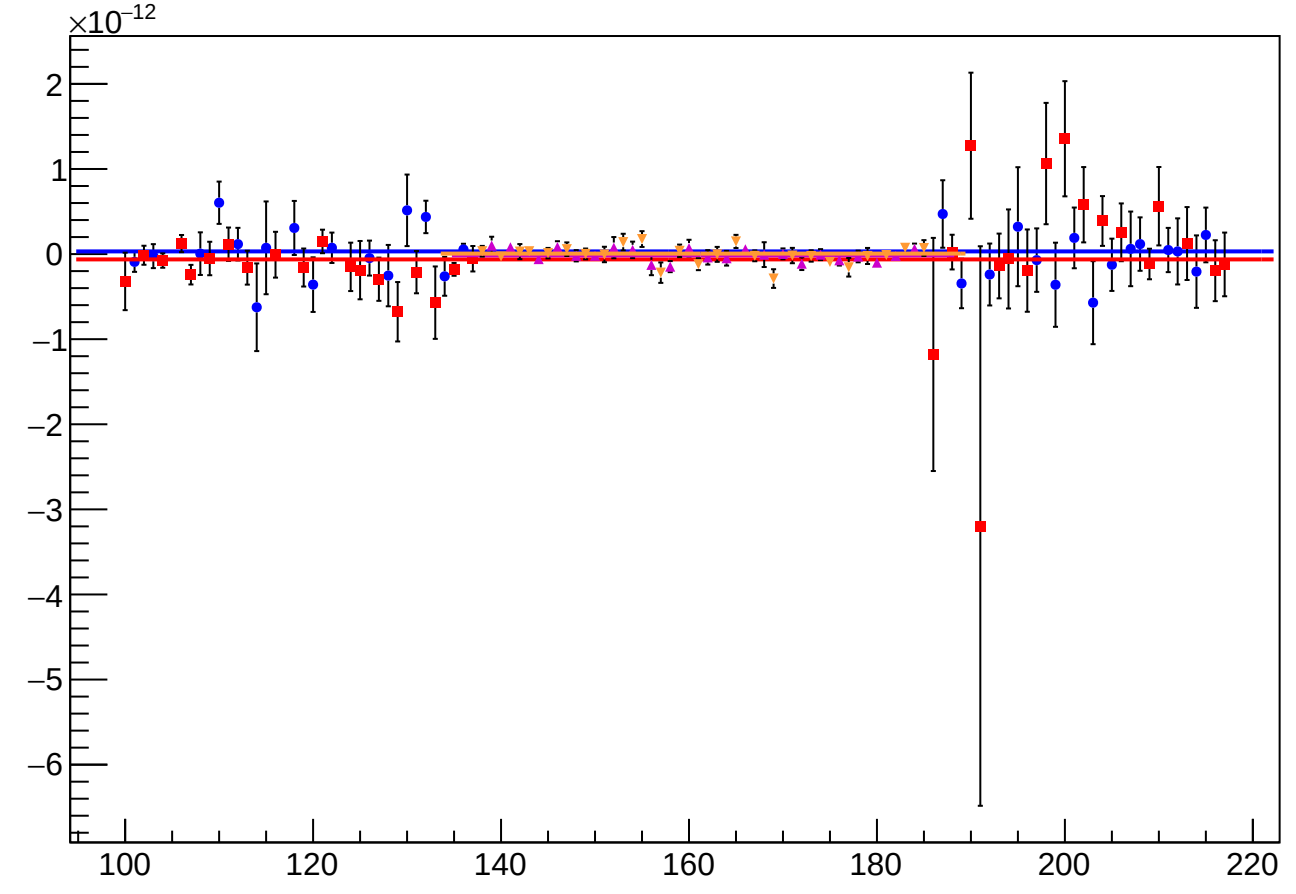
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

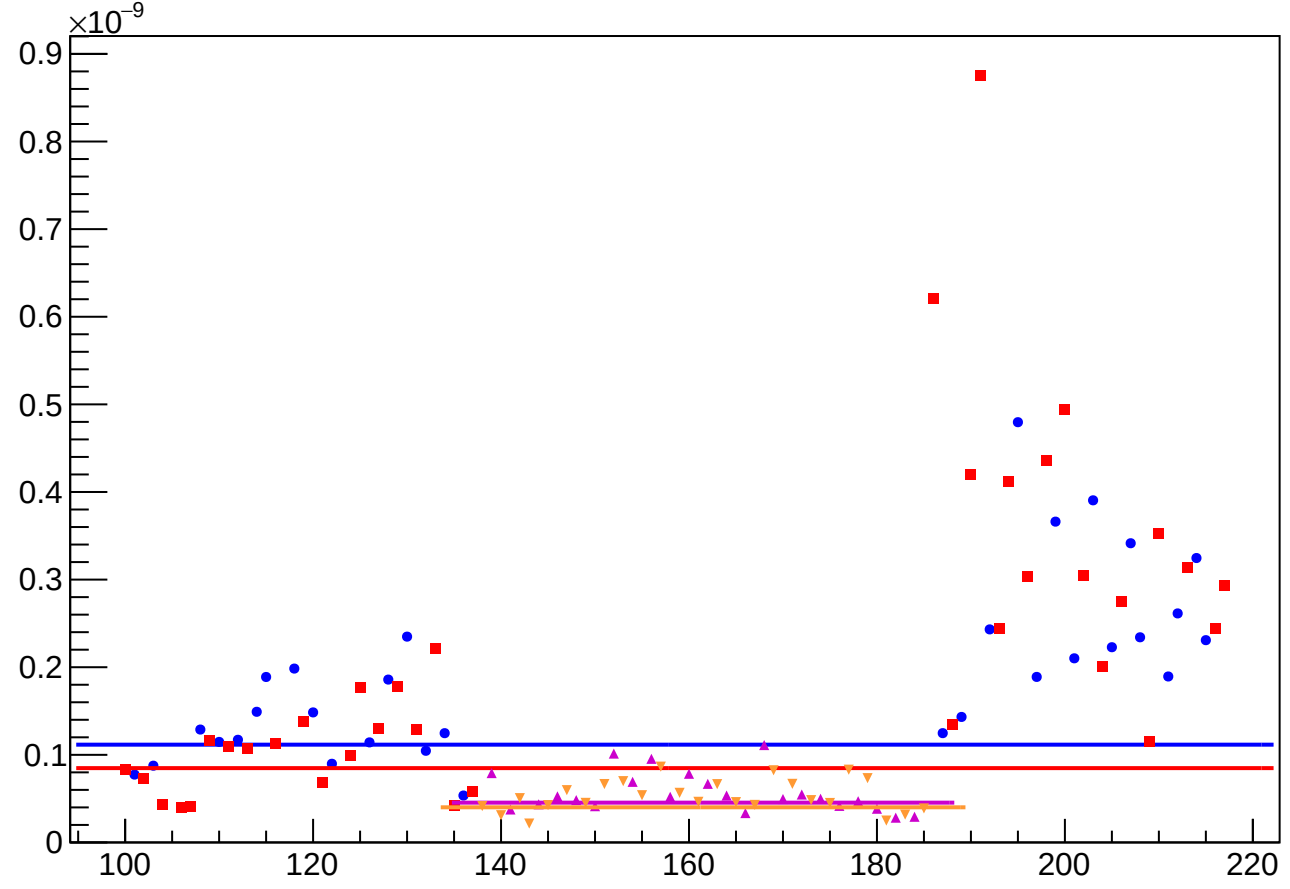
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/55

All: -0.000+/-0.000 χ^2/NDF: 126.3/114

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

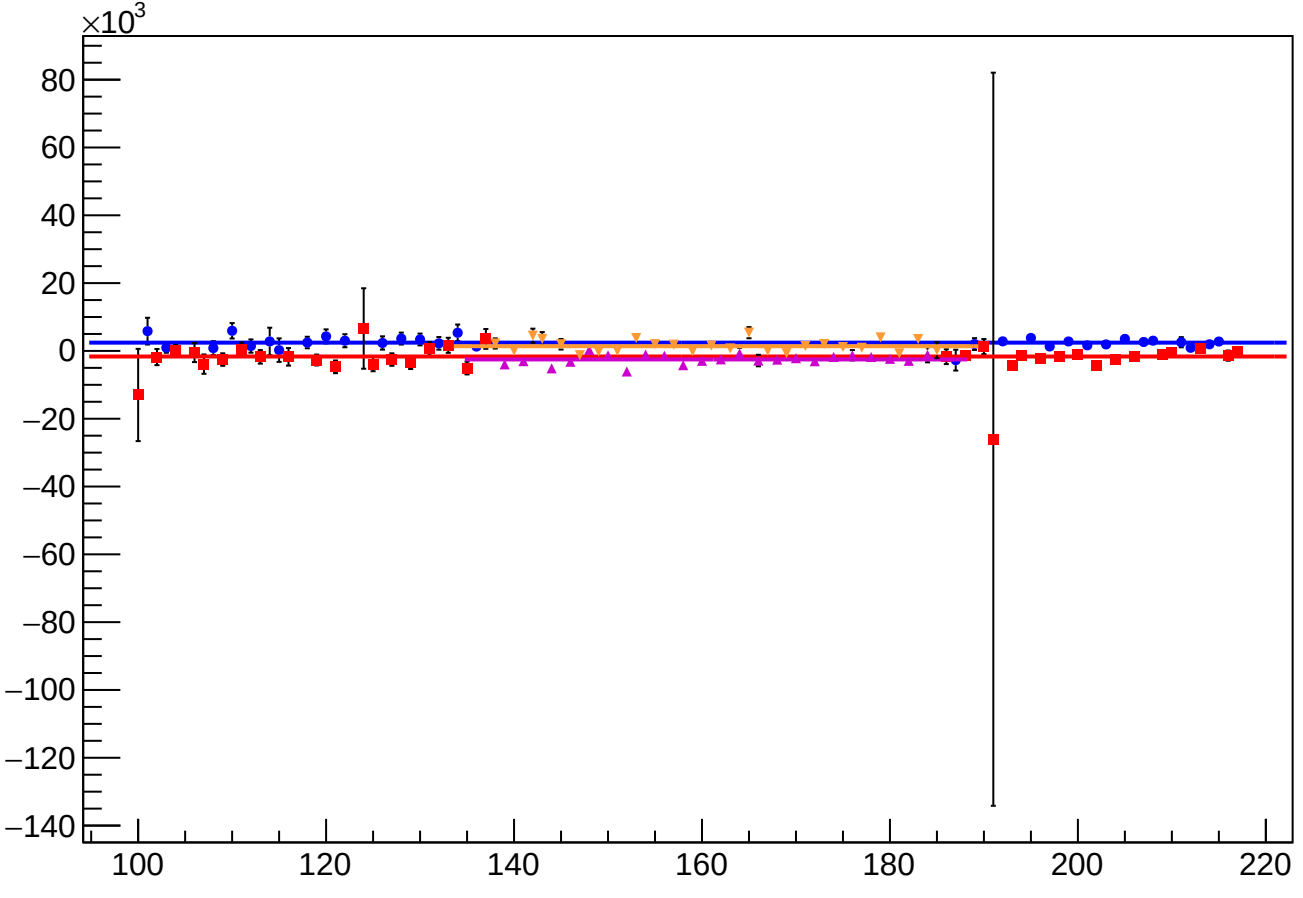
Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16657123.0/55

All: 0.000+/-0.000 χ^2/NDF: 32203623.8/114

- sign 0.000+/-0.000 χ^2/NDF: 15382601.8/58



Right In: 2440.246+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.627+/-292.470 χ^2/NDF: 34.4/35

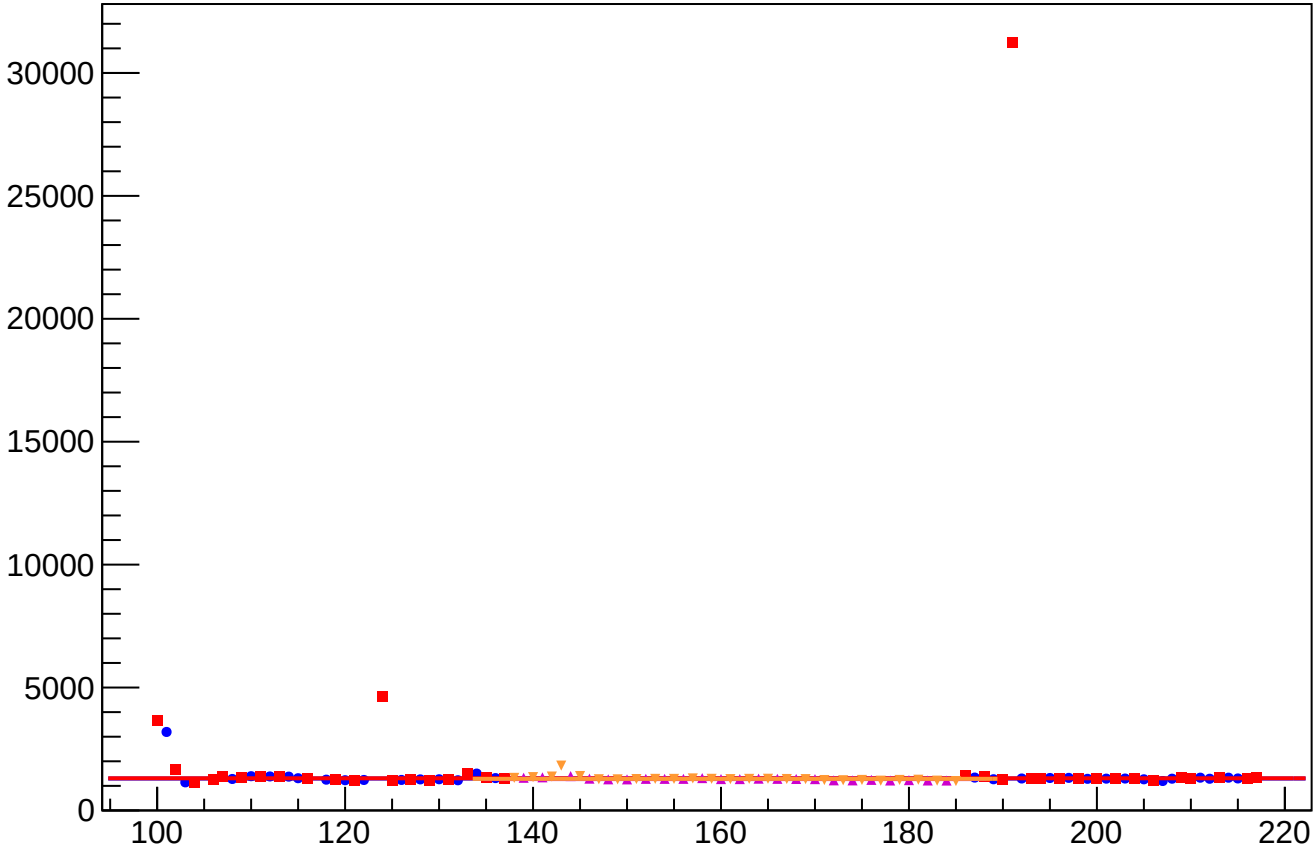
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1902.916+/-208.747 χ^2/NDF: 55.6/55

All: -86.195+/-147.614 χ^2/NDF: 298.5/114

- sign -2075.702+/-208.768 χ^2/NDF: 61.2/58

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.996+/-0.211 χ^2/NDF: 534868.5/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

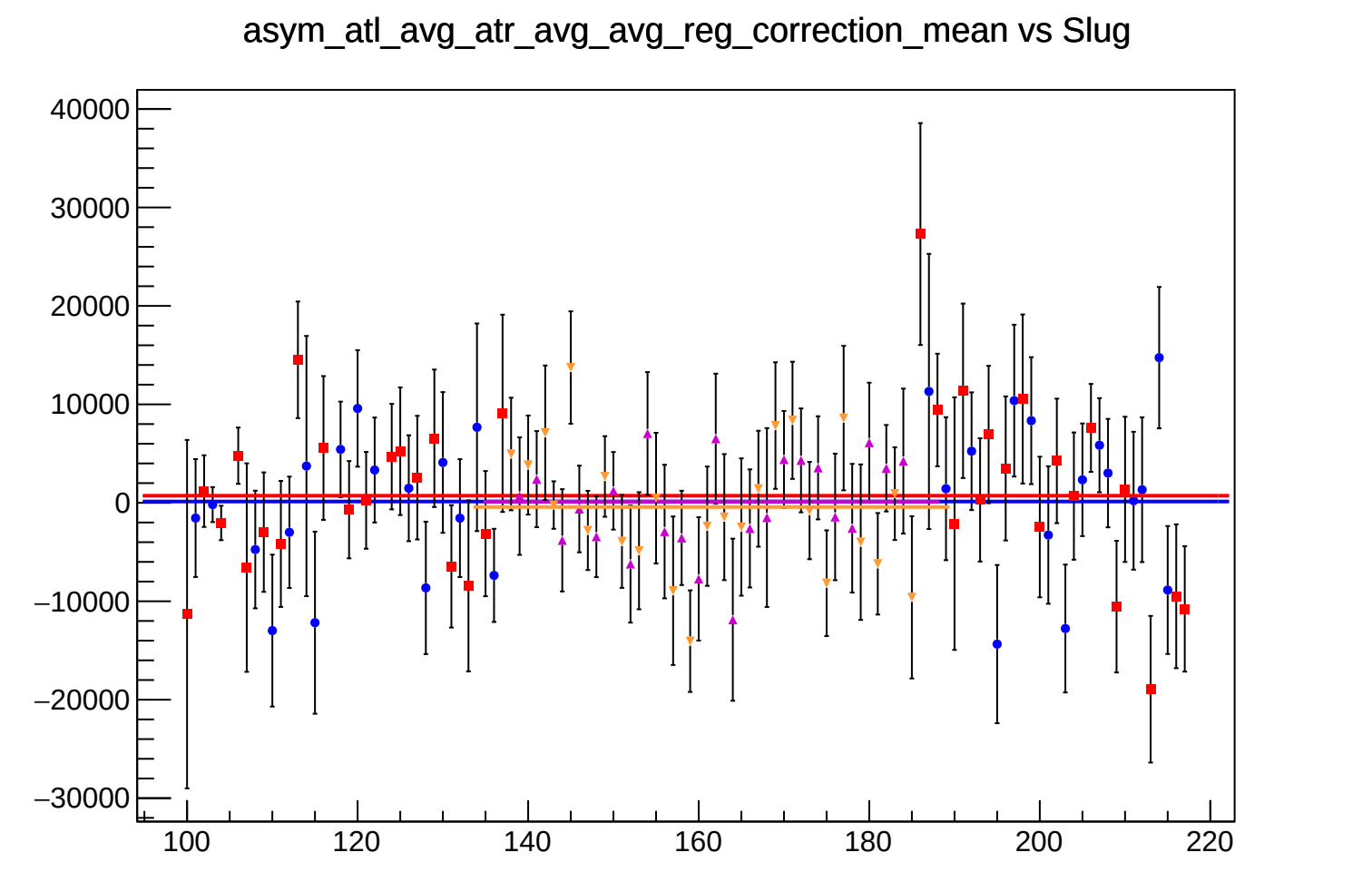
Right Out: 1308.532+/-0.207 χ^2/NDF: 506768.8/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.719+/-0.148 χ^2/NDF: 727644.6/55

All: 1292.141+/-0.104 χ^2/NDF: 1288021.5/11

- sign 1292.562+/-0.148 χ^2/NDF: 560360.6/58



Right In: 132.169+/-978.377 χ^2/NDF: 35.3/30

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

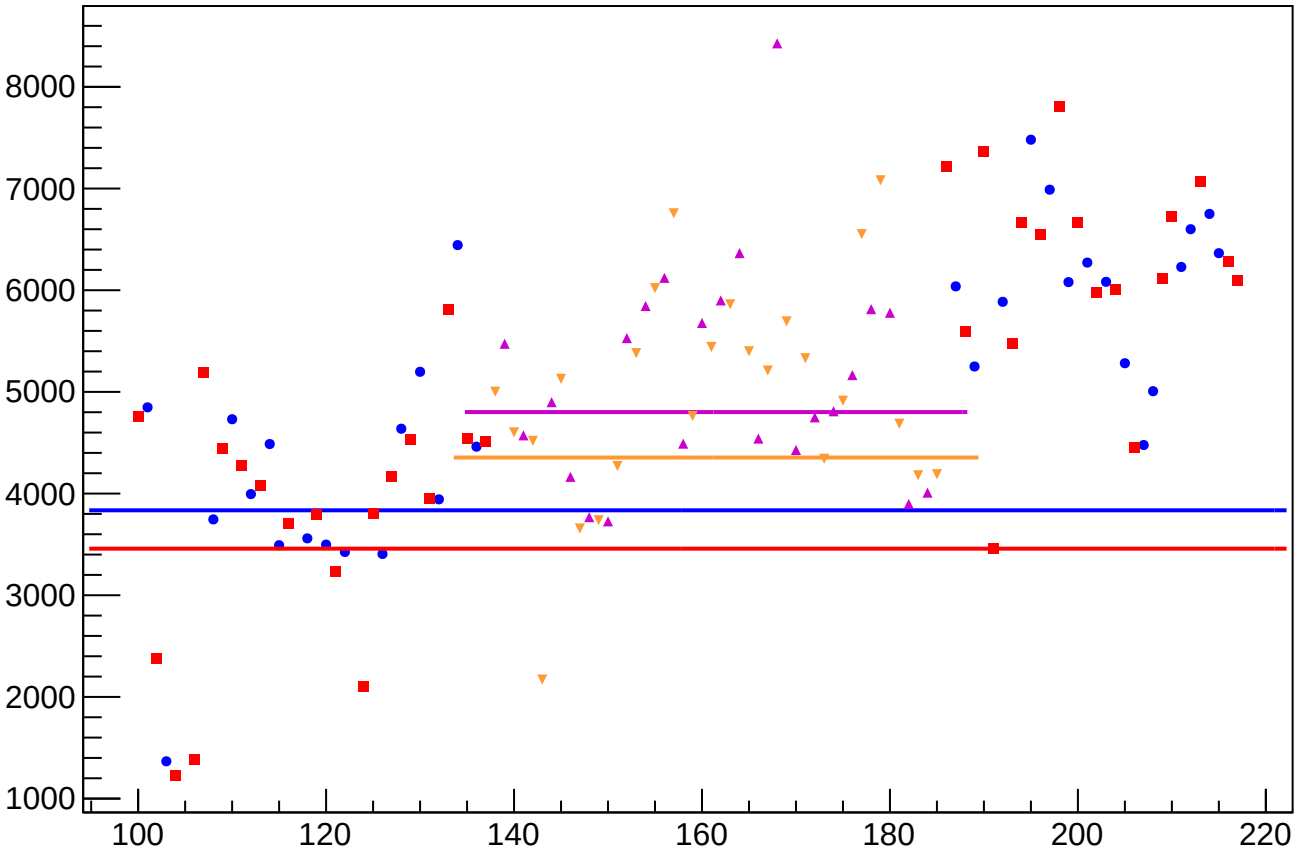
Right Out: 720.893+/-892.903 χ^2/NDF: 47.3/35

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -131.605+/-711.975 χ^2/NDF: 65.2/55

All: 184.364+/-500.615 χ^2/NDF: 126.7/114

- sign 493.332+/-704.044 χ^2/NDF: 61.1/58



Right In: 3835.448+/-0.692 χ^2/NDF: 7493533.8/30

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

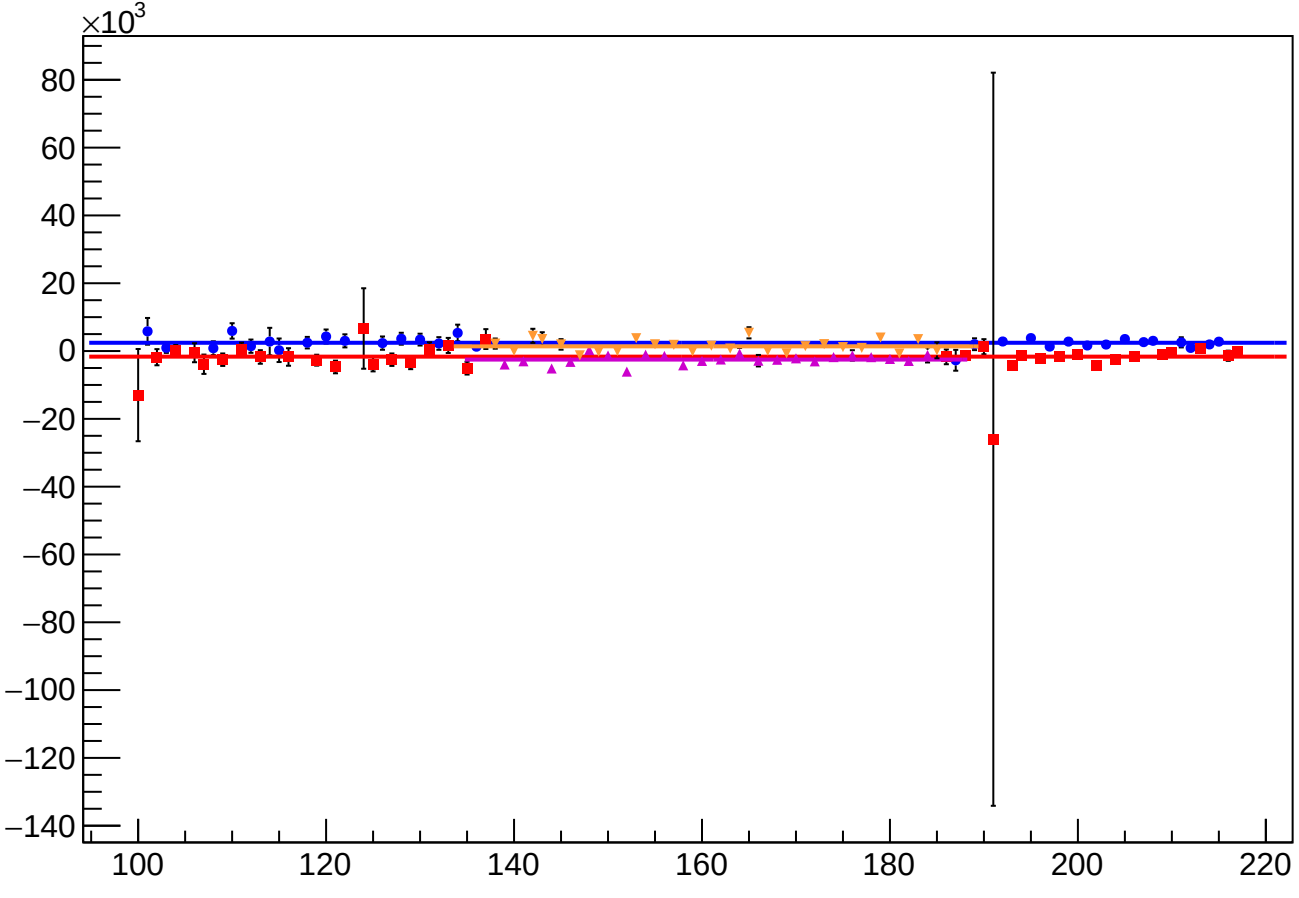
Right Out: 3458.180+/-0.631 χ^2/NDF: 10265796.2/35

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 4079.643+/-0.503 χ^2/NDF: 10829811.2/55

All: 4022.370+/-0.354 χ^2/NDF: 24065654.8/1

- sign 3966.366+/-0.498 χ^2/NDF: 13210246.5/58



Right In: 2440.154+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.549+/-292.470 χ^2/NDF: 34.4/35

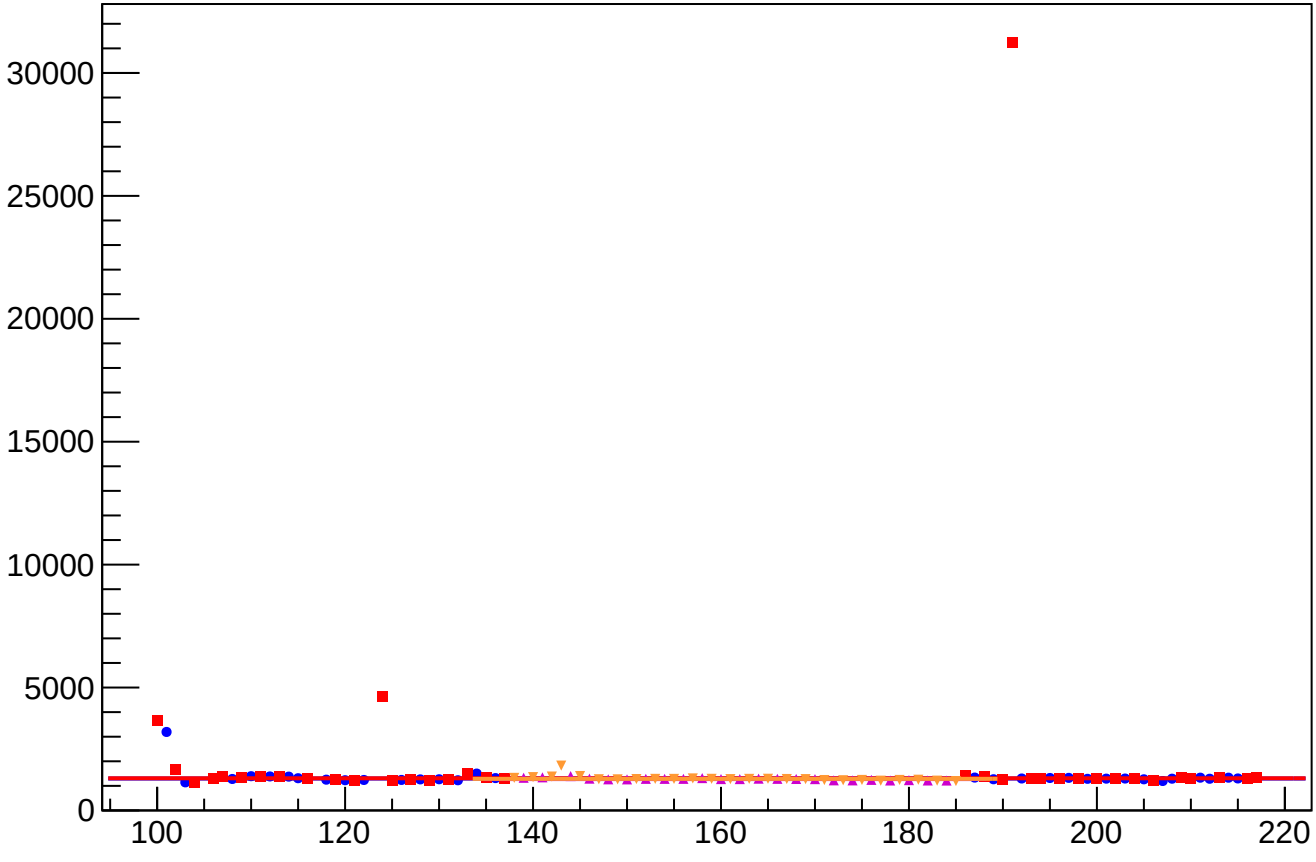
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1902.838+/-208.747 χ^2/NDF: 55.6/55

All: -86.215+/-147.614 χ^2/NDF: 298.5/114

- sign -2075.663+/-208.768 χ^2/NDF: 61.2/58

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.996+/-0.211 χ^2/NDF: 534870.0/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

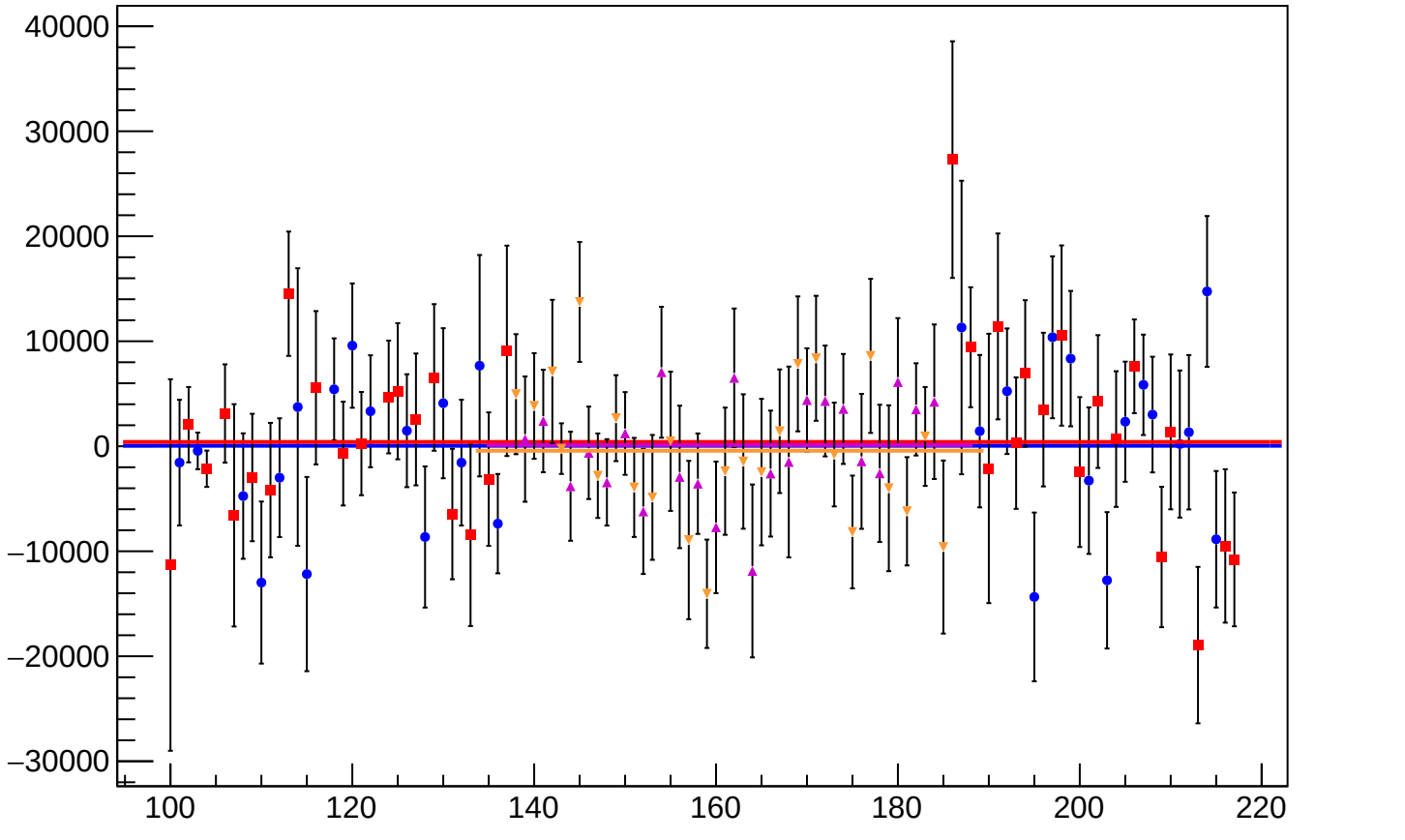
Right Out: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.719+/-0.148 χ^2/NDF: 727646.0/55

All: 1292.239+/-0.104 χ^2/NDF: 1287973.8/11

- sign 1292.757+/-0.148 χ^2/NDF: 560303.1/58



Right In: 47.009+/-972.598 χ^2/NDF: 35.3/30

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

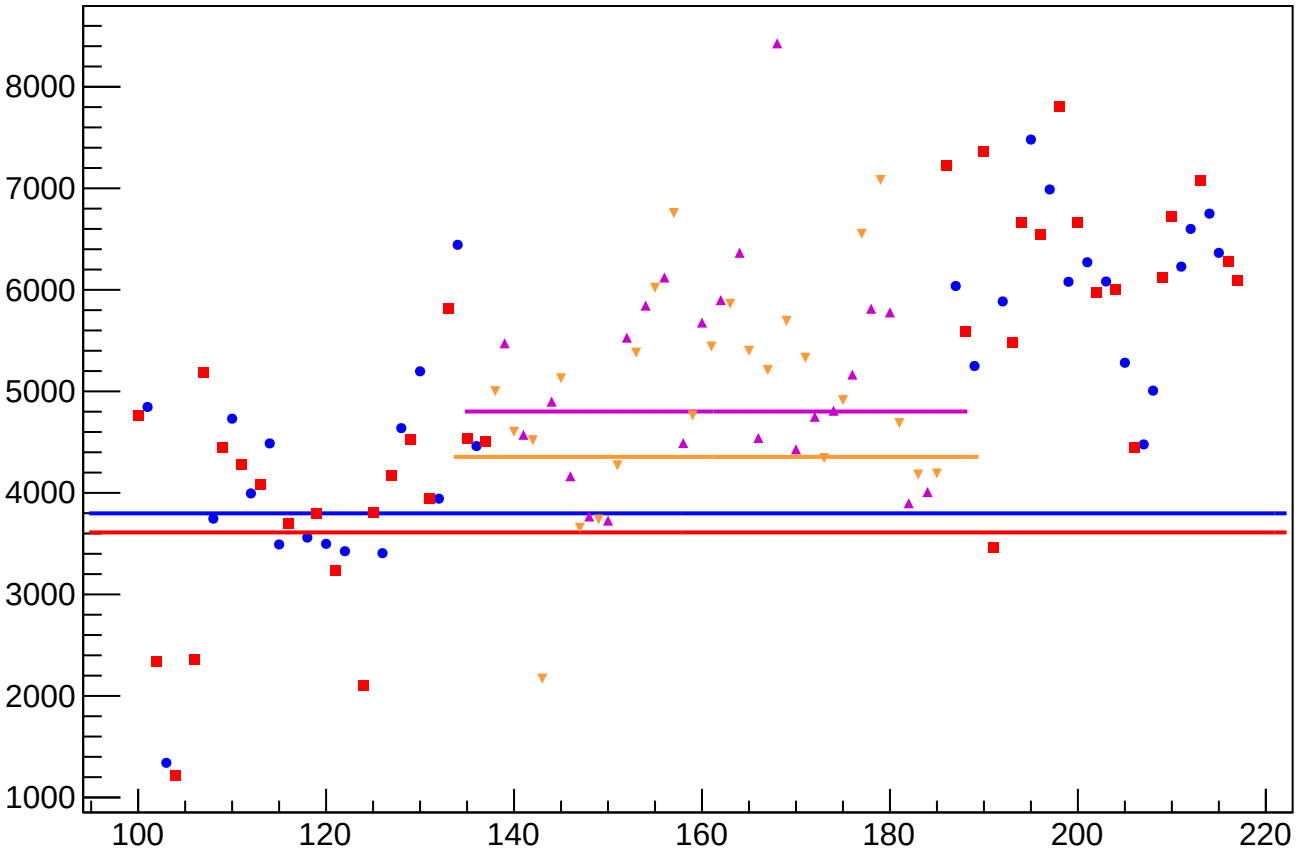
Right Out: 409.789+/-918.349 χ^2/NDF: 45.8/35

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -175.297+/-709.738 χ^2/NDF: 65.3/55

All: 58.196+/-504.171 χ^2/NDF: 124.9/114

- sign 296.039+/-716.318 χ^2/NDF: 59.4/58



Right In: 3798.509+/-0.688 χ^2/NDF: 7724685.2/30

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

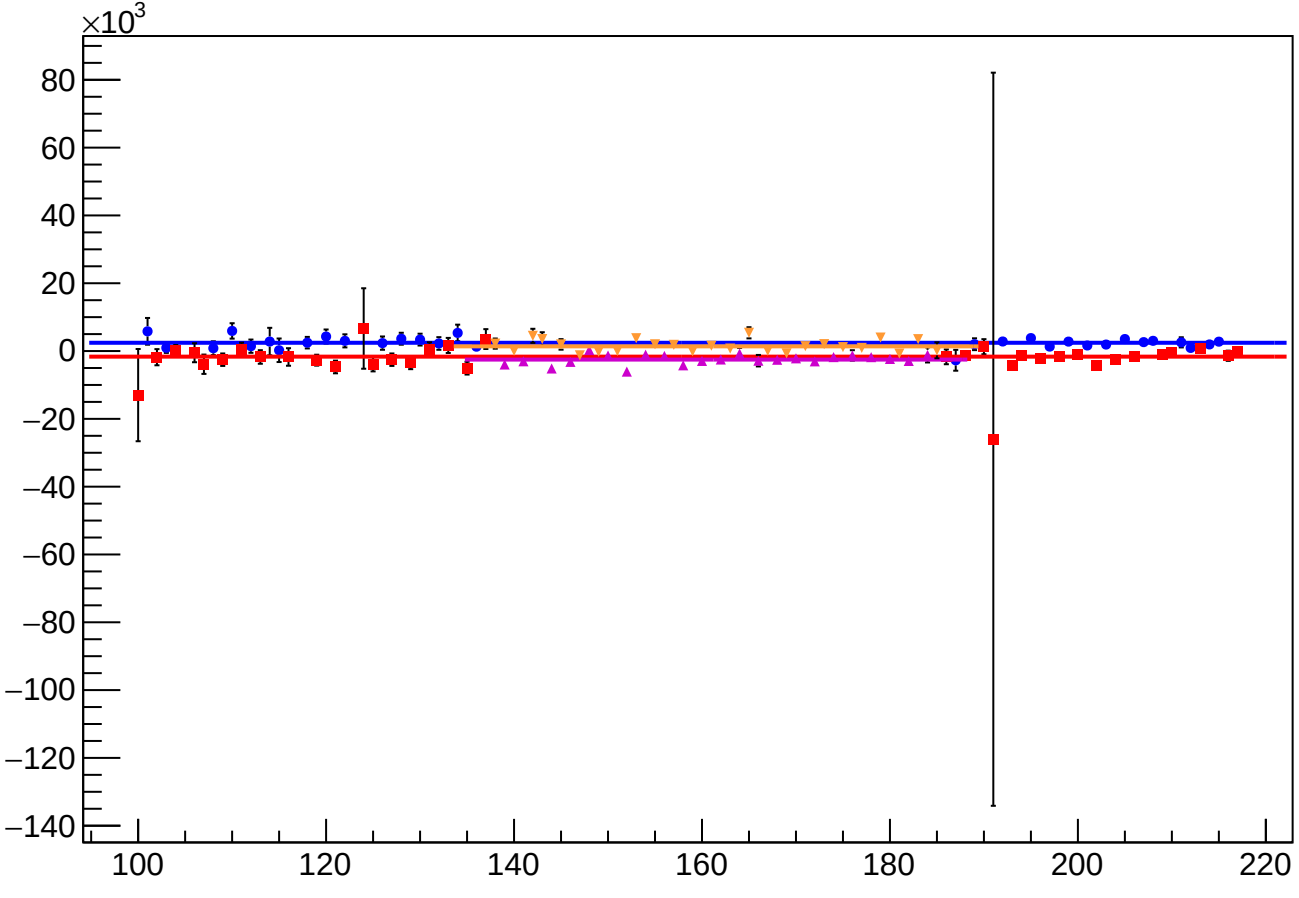
Right Out: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4058.433+/-0.502 χ^2/NDF: 11101767.2/55

All: 4067.632+/-0.357 χ^2/NDF: 23034241.7/1

- sign 4077.003+/-0.507 χ^2/NDF: 11931796.2/58



Right In: 2440.154+/-297.711 χ^2/NDF: 16.3/30

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1648.549+/-292.470 χ^2/NDF: 34.4/35

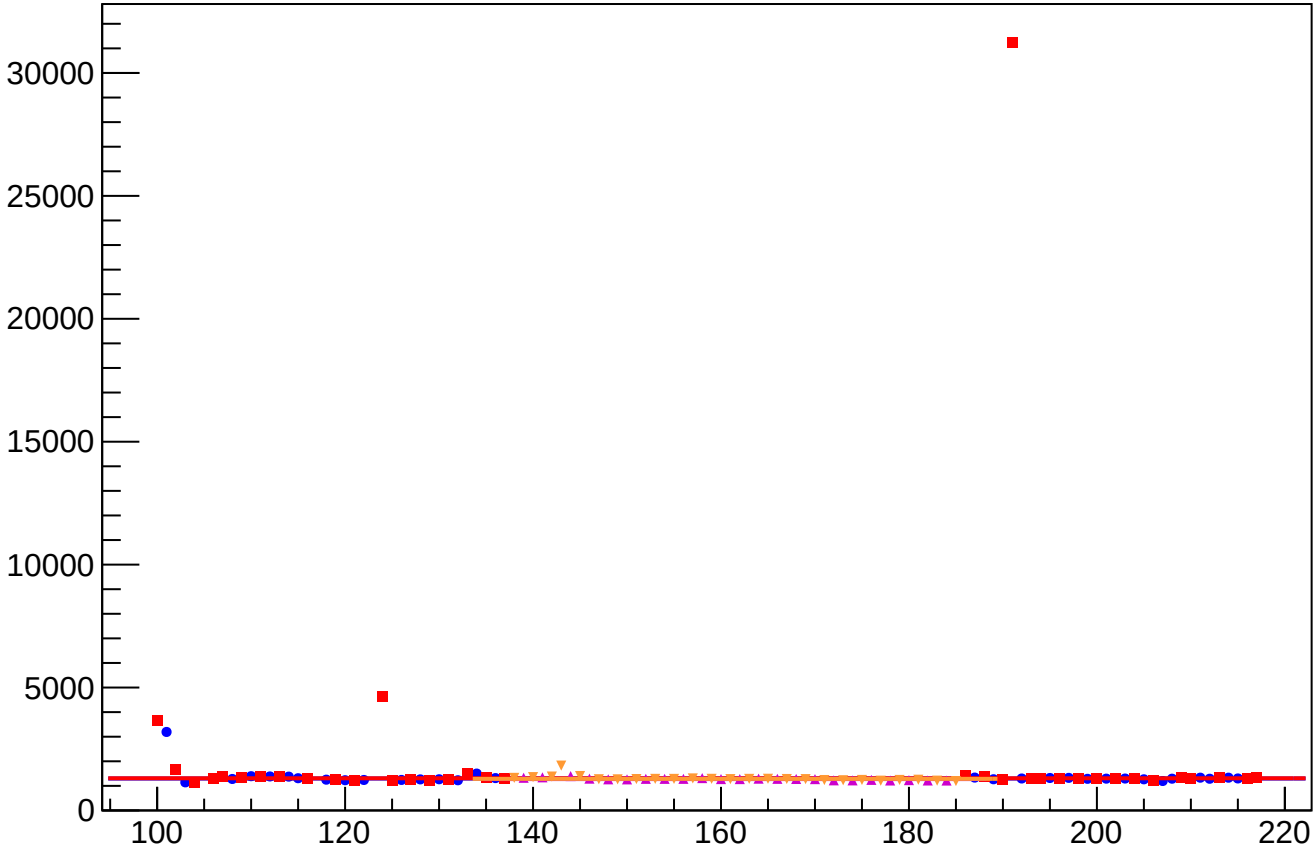
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1902.838+/-208.747 χ^2/NDF: 55.6/55

All: -86.215+/-147.614 χ^2/NDF: 298.5/114

- sign -2075.663+/-208.768 χ^2/NDF: 61.2/58

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.996+/-0.211 χ^2/NDF: 534870.0/30

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

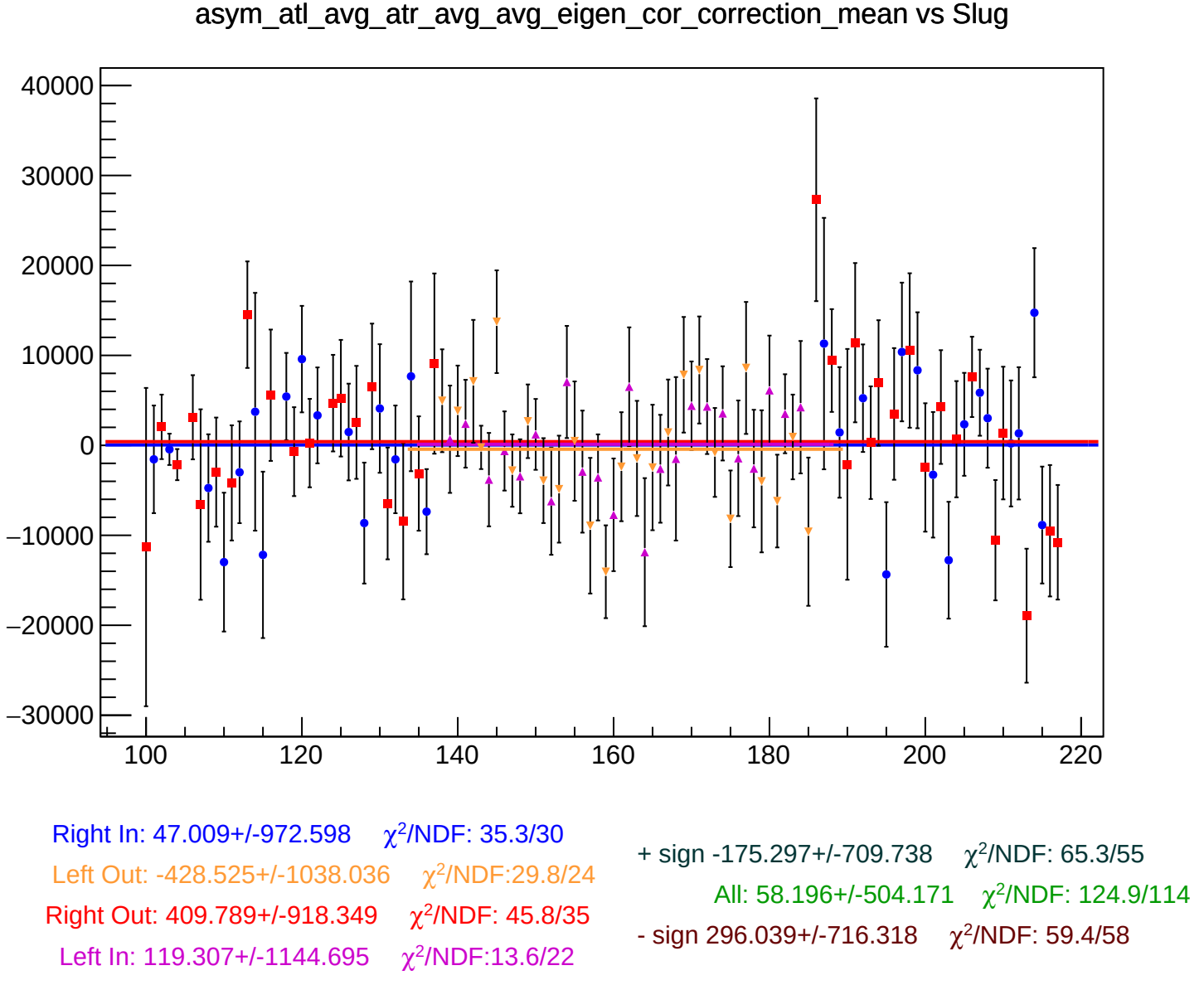
Right Out: 1308.924+/-0.207 χ^2/NDF: 506420.0/35

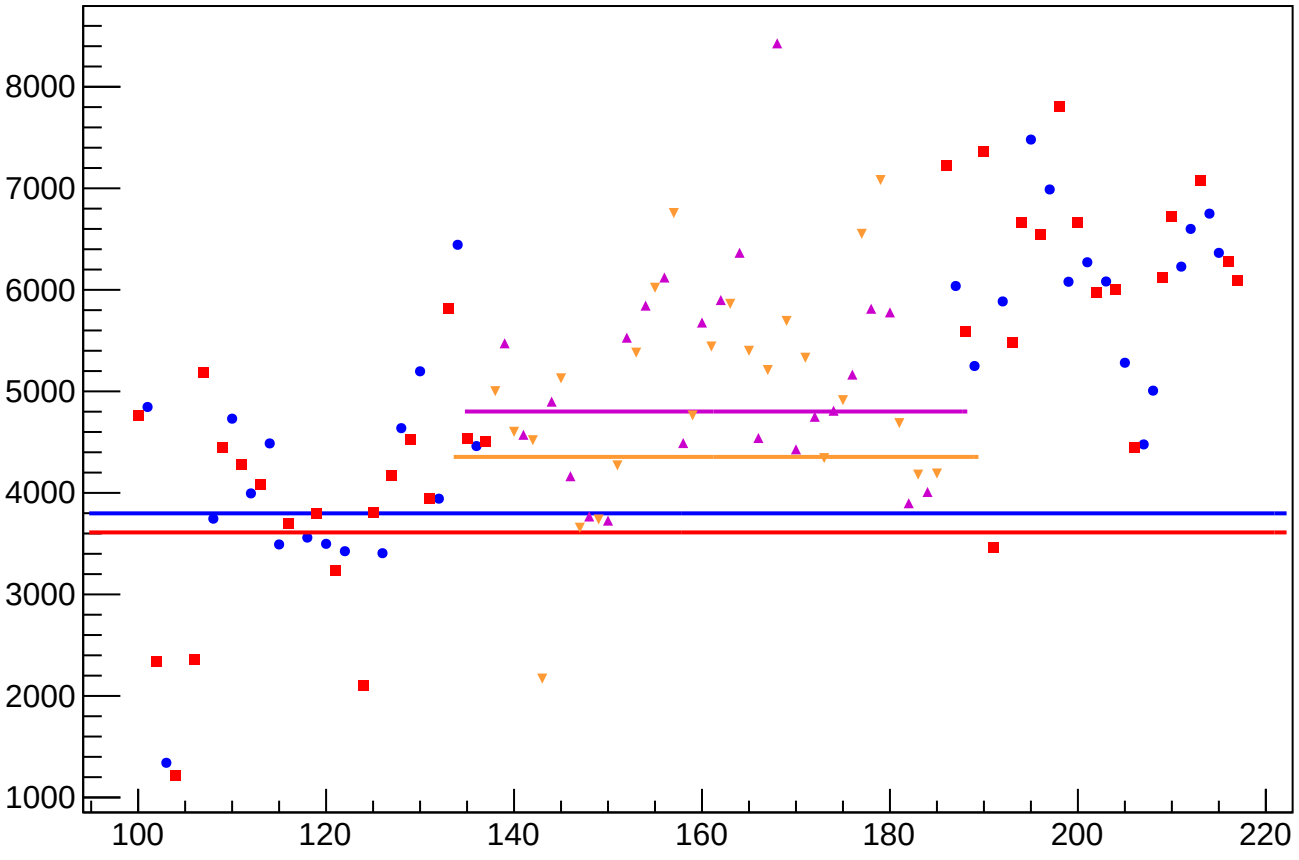
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.719+/-0.148 χ^2/NDF: 727646.0/55

All: 1292.239+/-0.104 χ^2/NDF: 1287973.8/11

- sign 1292.757+/-0.148 χ^2/NDF: 560303.1/58


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 47.009+/-972.598 χ²/NDF: 35.3/30
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 409.789+/-918.349 χ²/NDF: 45.8/35
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -175.297+/-709.738 χ²/NDF: 65.3/55
All: 58.196+/-504.171 χ²/NDF: 124.9/114
- sign 296.039+/-716.318 χ²/NDF: 59.4/58



Right In: 3798.509+/-0.688 χ^2/NDF: 7724685.2/30

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3610.650+/-0.649 χ^2/NDF: 9382822.3/35

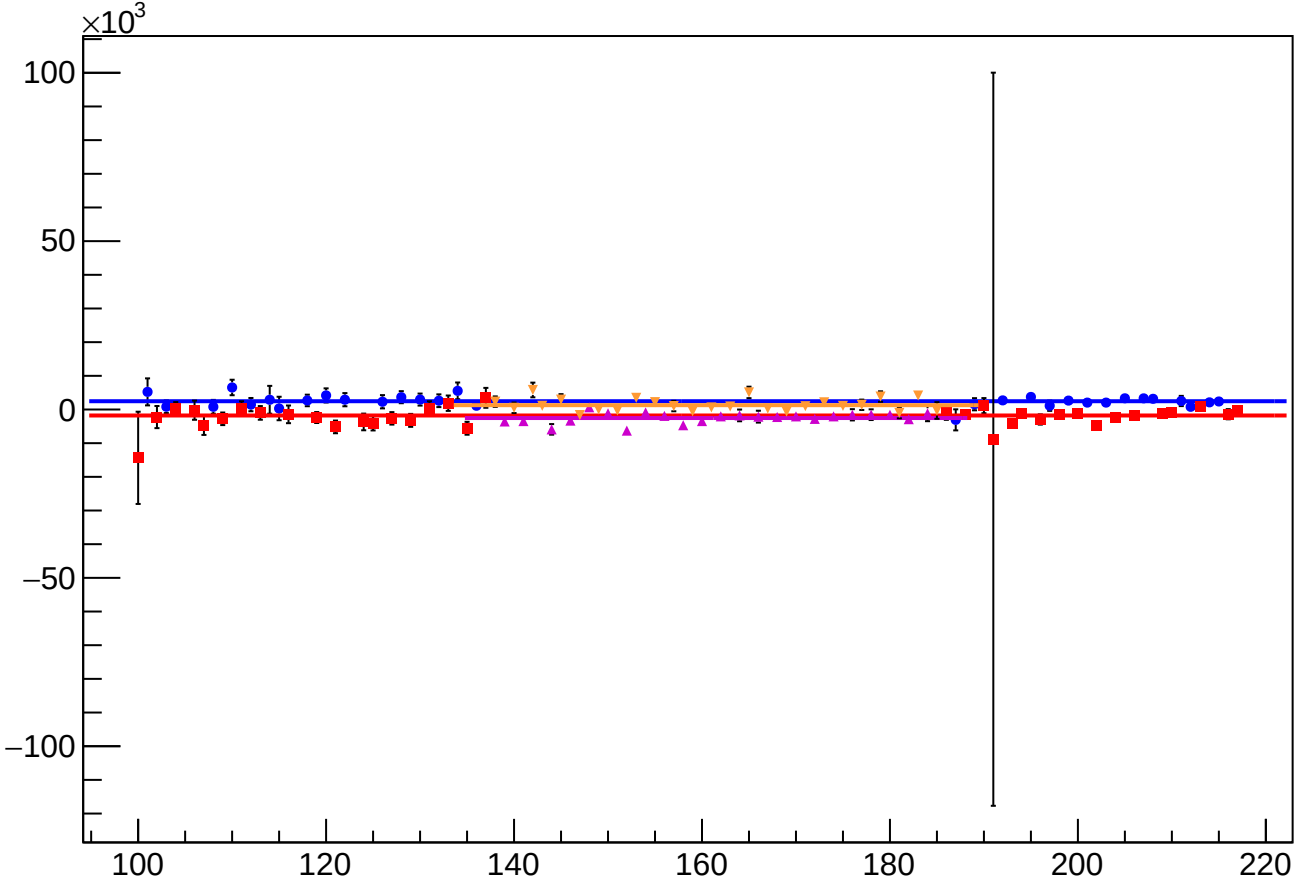
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4058.433+/-0.502 χ^2/NDF: 11101767.2/55

All: 4067.632+/-0.357 χ^2/NDF: 23034241.7/1

- sign 4077.003+/-0.507 χ^2/NDF: 11931796.2/58

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2461.196+/-304.955 χ^2/NDF: 17.0/30

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1778.035+/-298.285 χ^2/NDF: 36.0/35

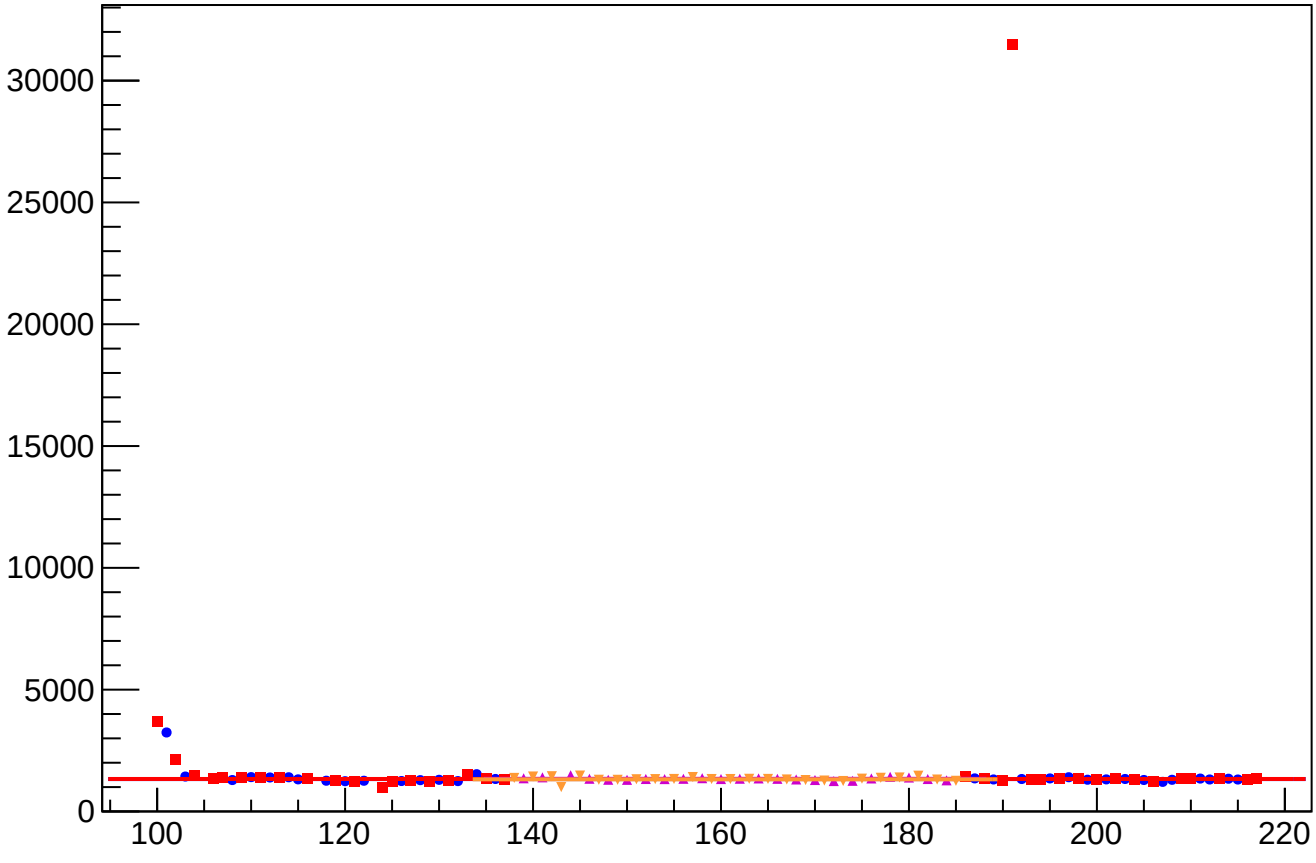
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1864.207+/-214.054 χ^2/NDF: 57.9/55

All: -119.208+/-152.006 χ^2/NDF: 295.2/114

- sign -2136.915+/-215.897 χ^2/NDF: 64.1/58

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.406+/-0.216 χ^2/NDF: 523409.9/30

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

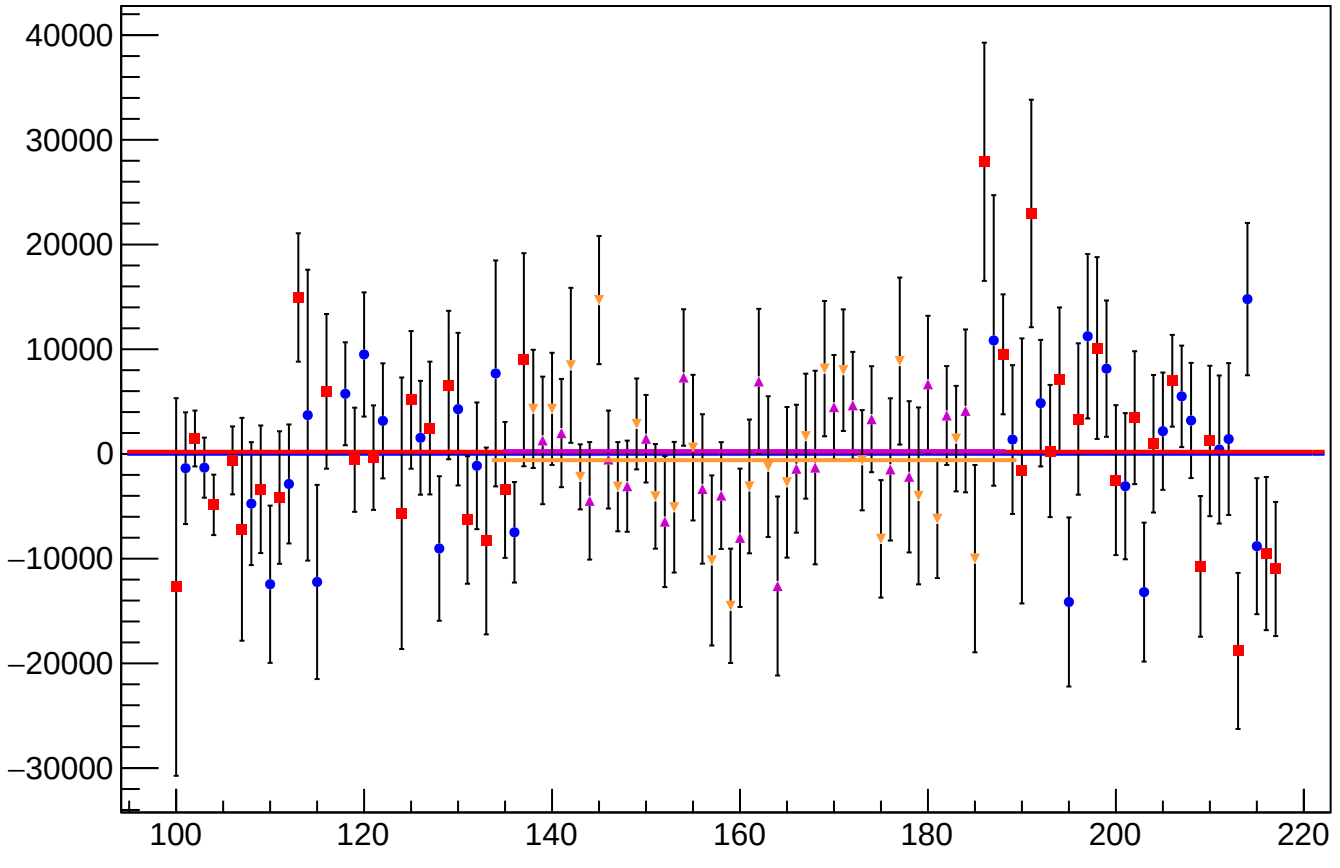
Right Out: 1333.281+/-0.211 χ^2/NDF: 448756.3/35

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.708+/-0.151 χ^2/NDF: 773333.8/55

All: 1329.710+/-0.107 χ^2/NDF: 1279813.2/11

- sign 1335.814+/-0.153 χ^2/NDF: 503307.9/58



Right In: 19.147+/-1086.649 χ^2/NDF: 35.0/30

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

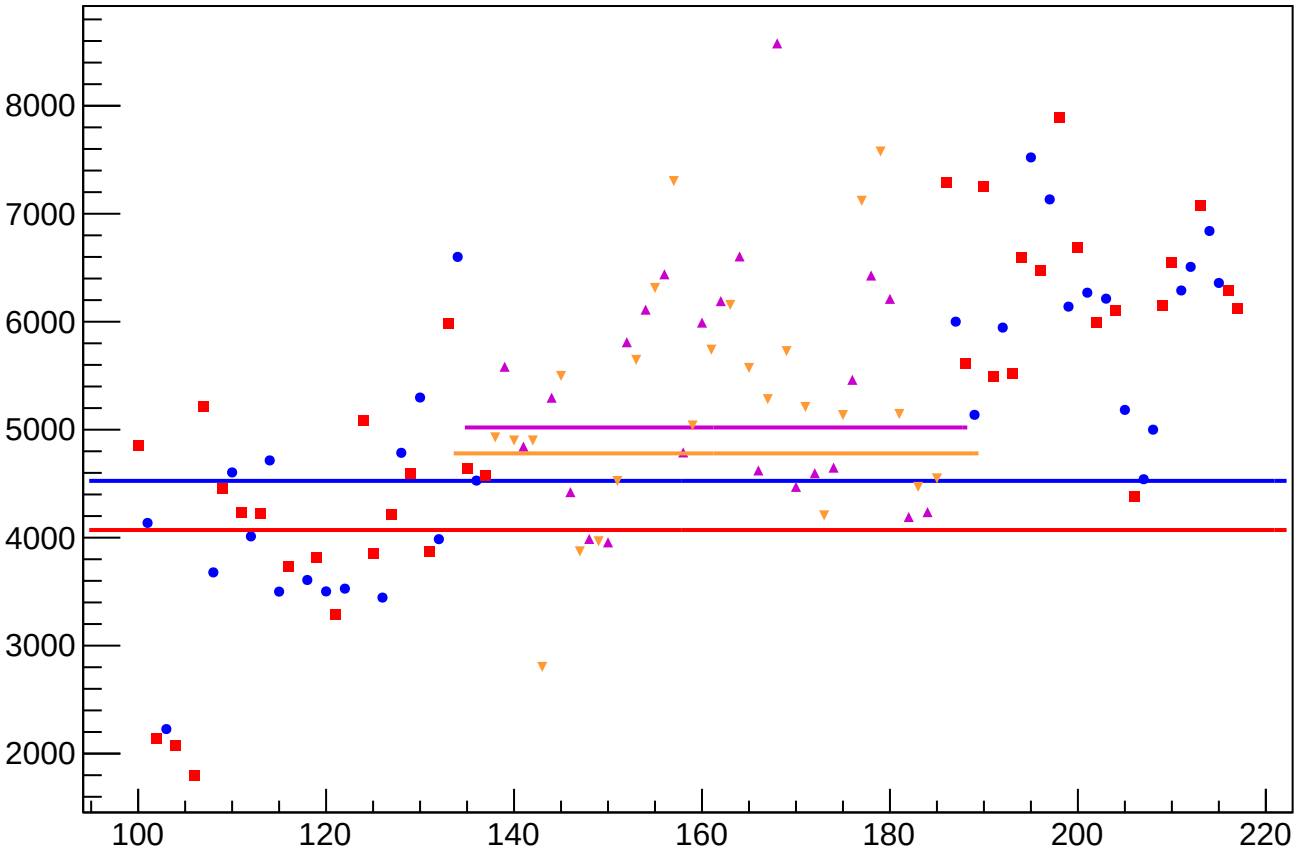
Right Out: 208.133+/-978.160 χ^2/NDF: 48.7/35

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -277.980+/-780.672 χ^2/NDF: 64.7/55

All: -14.198+/-543.596 χ^2/NDF: 127.1/114

- sign 234.077+/-757.378 χ^2/NDF: 62.1/58



Right In: 4525.997+/-0.768 χ^2/NDF: 3465746.3/30

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

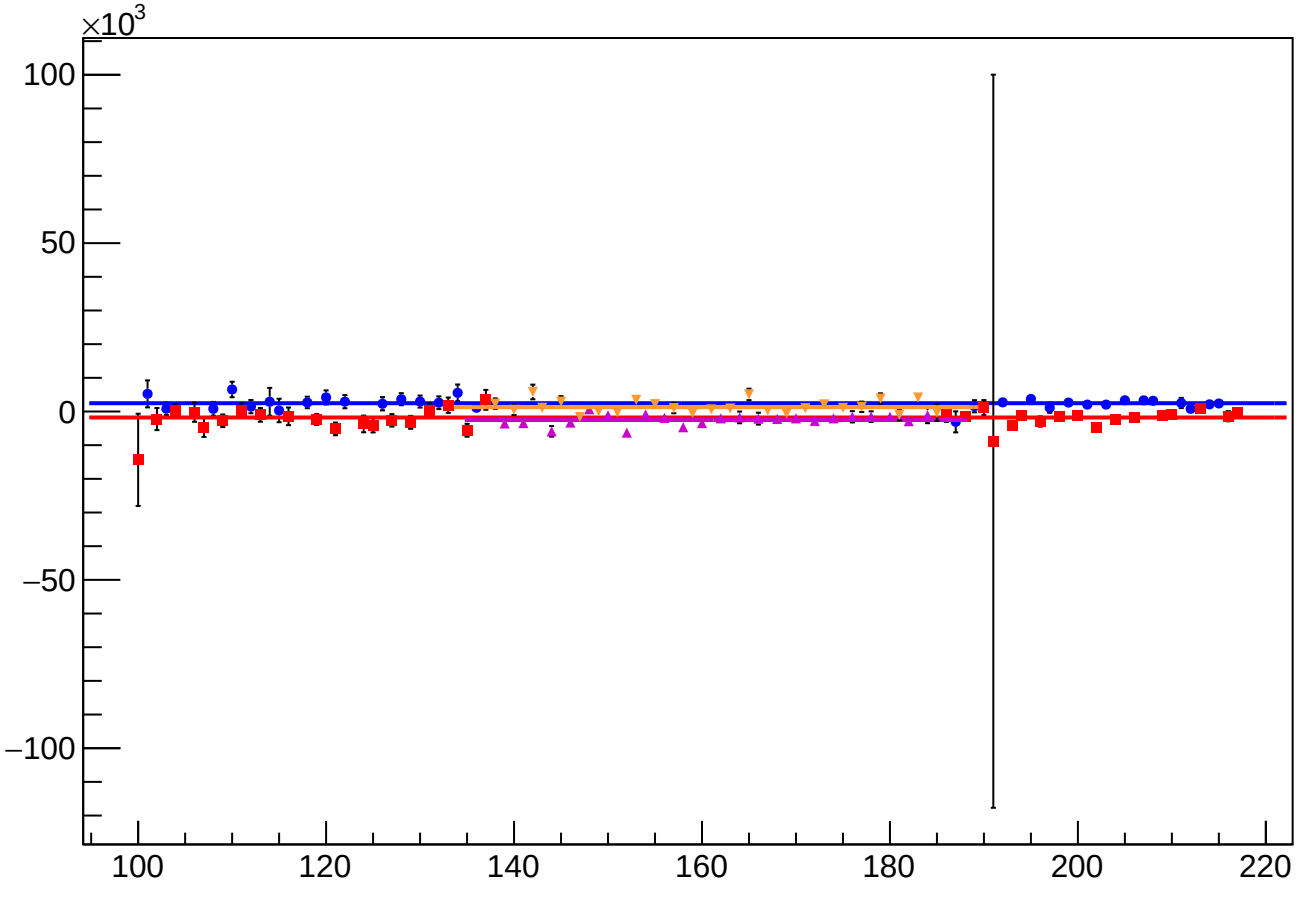
Right Out: 4070.754+/-0.692 χ^2/NDF: 6467228.3/35

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4649.093+/-0.552 χ^2/NDF: 5525032.5/55

All: 4547.114+/-0.384 χ^2/NDF: 14038796.1/1

- sign 4451.131+/-0.536 χ^2/NDF: 8447513.6/58



Right In: 2461.193+/-304.955 χ^2/NDF: 17.0/30

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1778.034+/-298.284 χ^2/NDF: 36.0/35

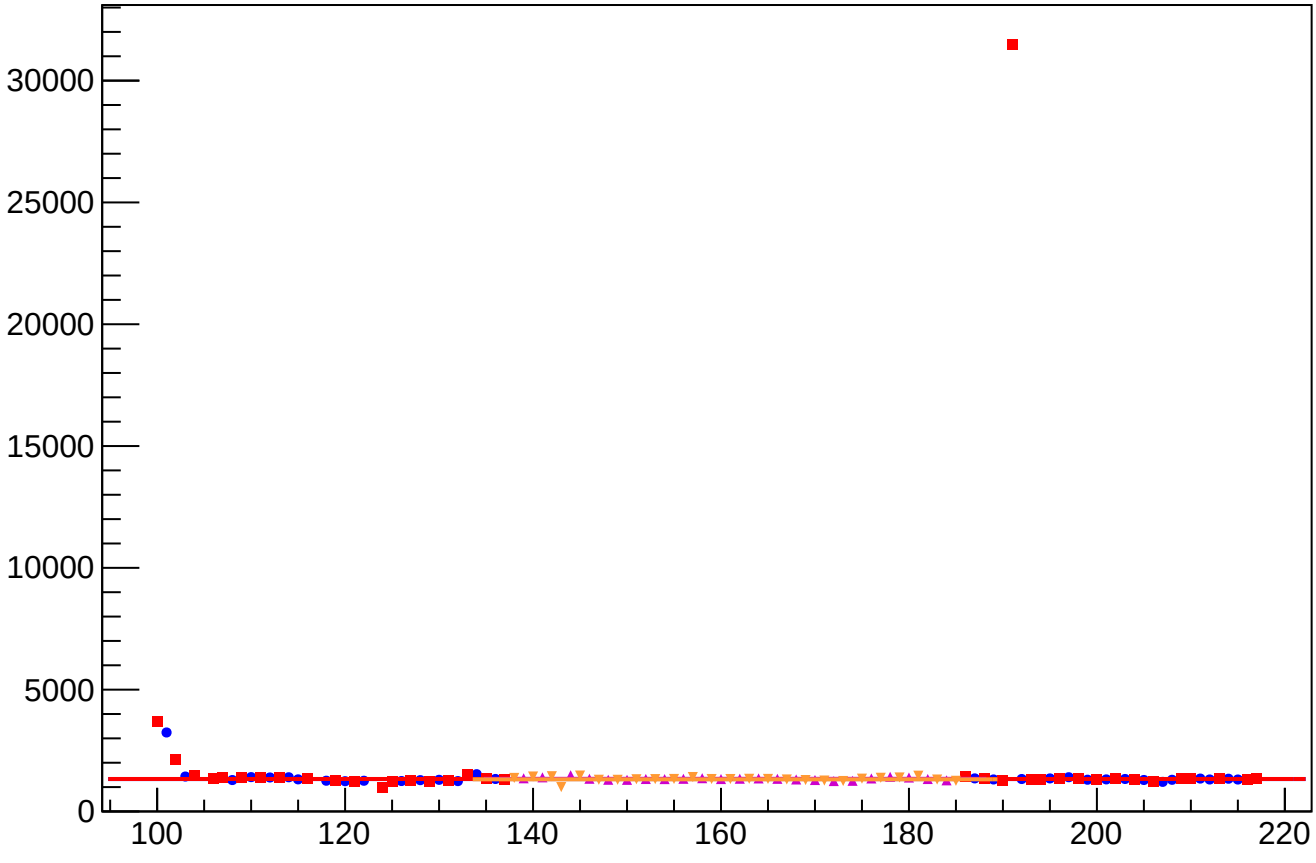
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1864.204+/-214.054 χ^2/NDF: 57.9/55

All: -119.209+/-152.006 χ^2/NDF: 295.2/114

- sign -2136.914+/-215.897 χ^2/NDF: 64.1/58

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1329.405+/-0.216 χ^2/NDF: 523410.0/30

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

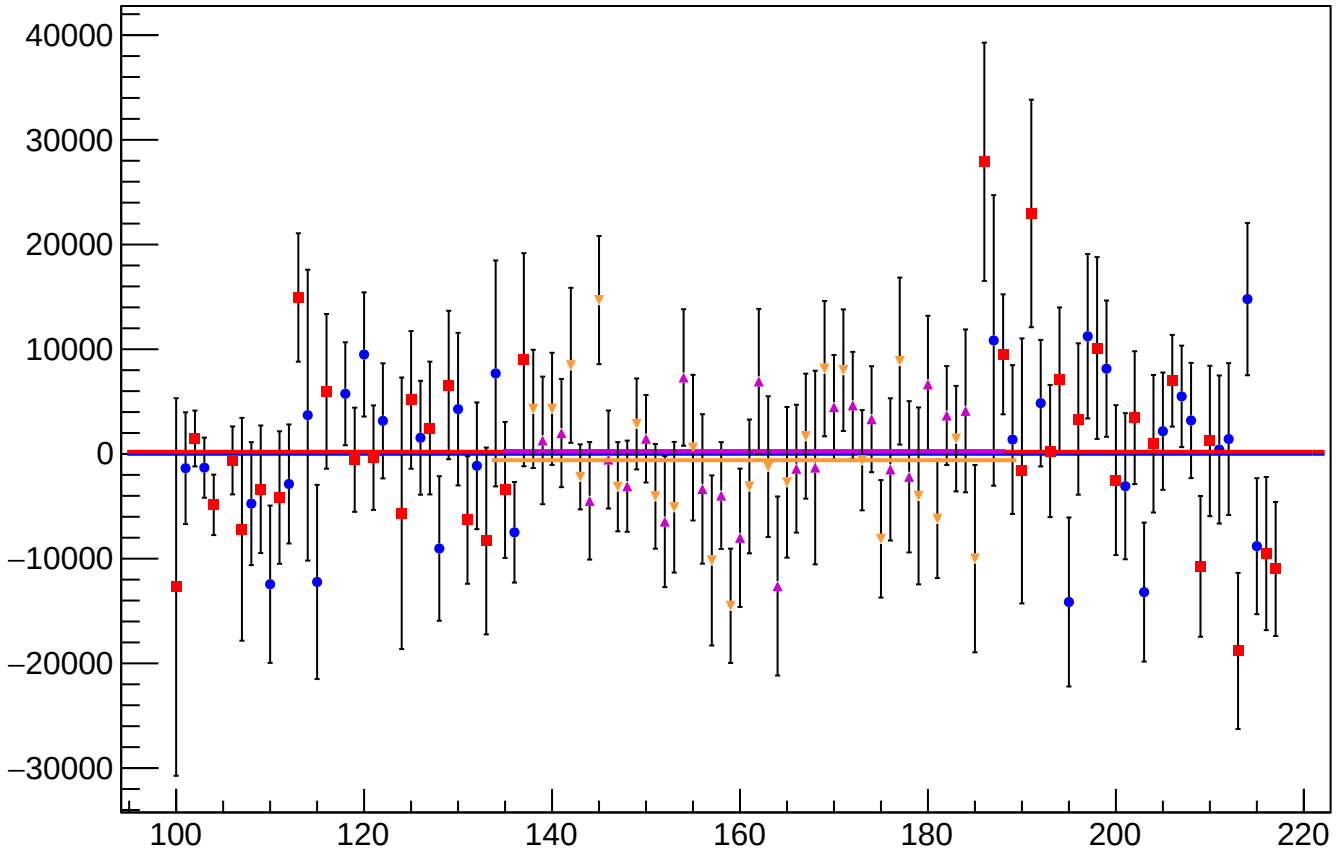
Right Out: 1333.280+/-0.211 χ^2/NDF: 448755.3/35

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.708+/-0.151 χ^2/NDF: 773336.1/55

All: 1329.710+/-0.107 χ^2/NDF: 1279817.2/11

- sign 1335.814+/-0.153 χ^2/NDF: 503309.6/58



Right In: 19.148+/-1086.649 χ^2/NDF: 35.0/30

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

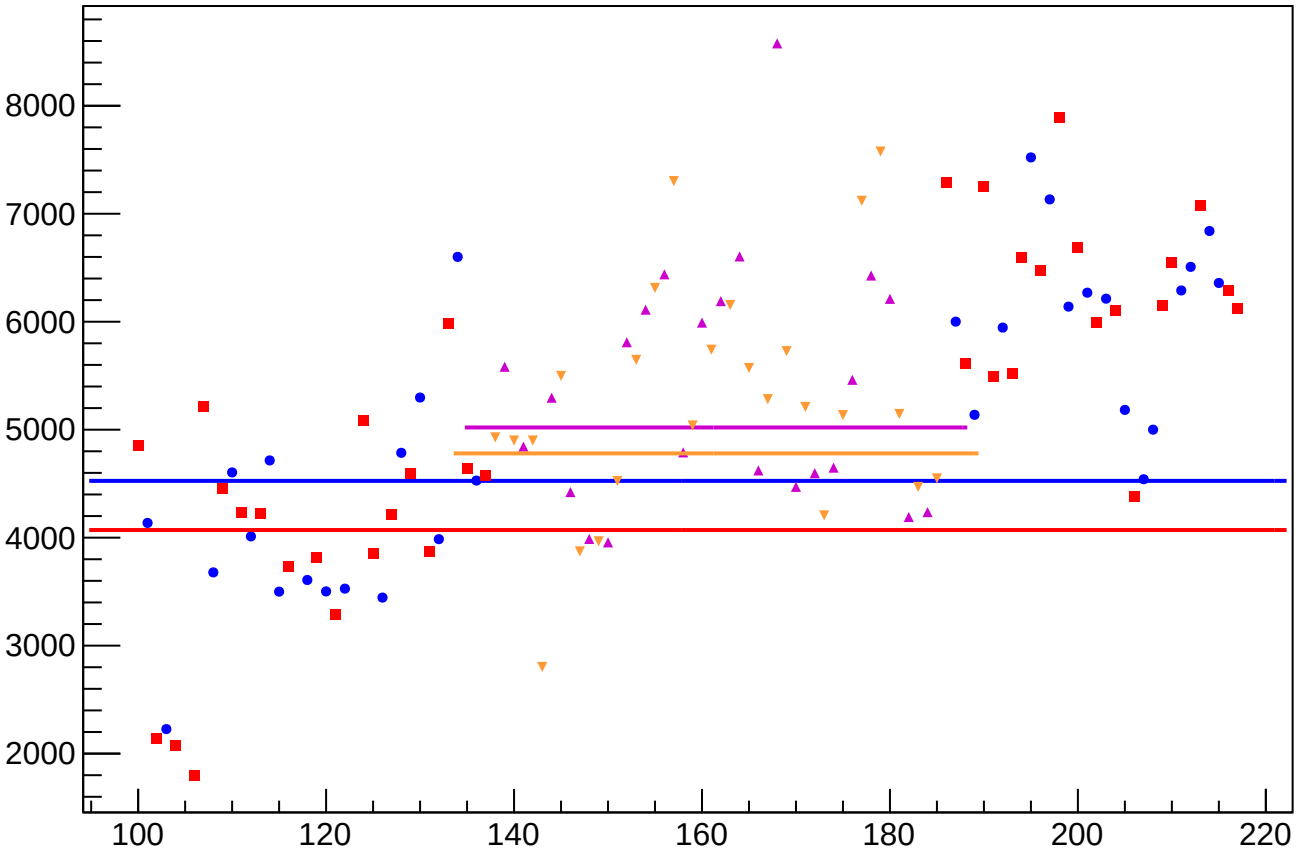
Right Out: 208.130+/-978.159 χ^2/NDF: 48.7/35

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -277.981+/-780.672 χ^2/NDF: 64.7/55

All: -14.199+/-543.596 χ^2/NDF: 127.1/114

- sign 234.075+/-757.378 χ^2/NDF: 62.1/58



Right In: 4525.991+/-0.768 χ^2/NDF: 3465783.5/30

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4070.746+/-0.692 χ^2/NDF: 6467276.1/35

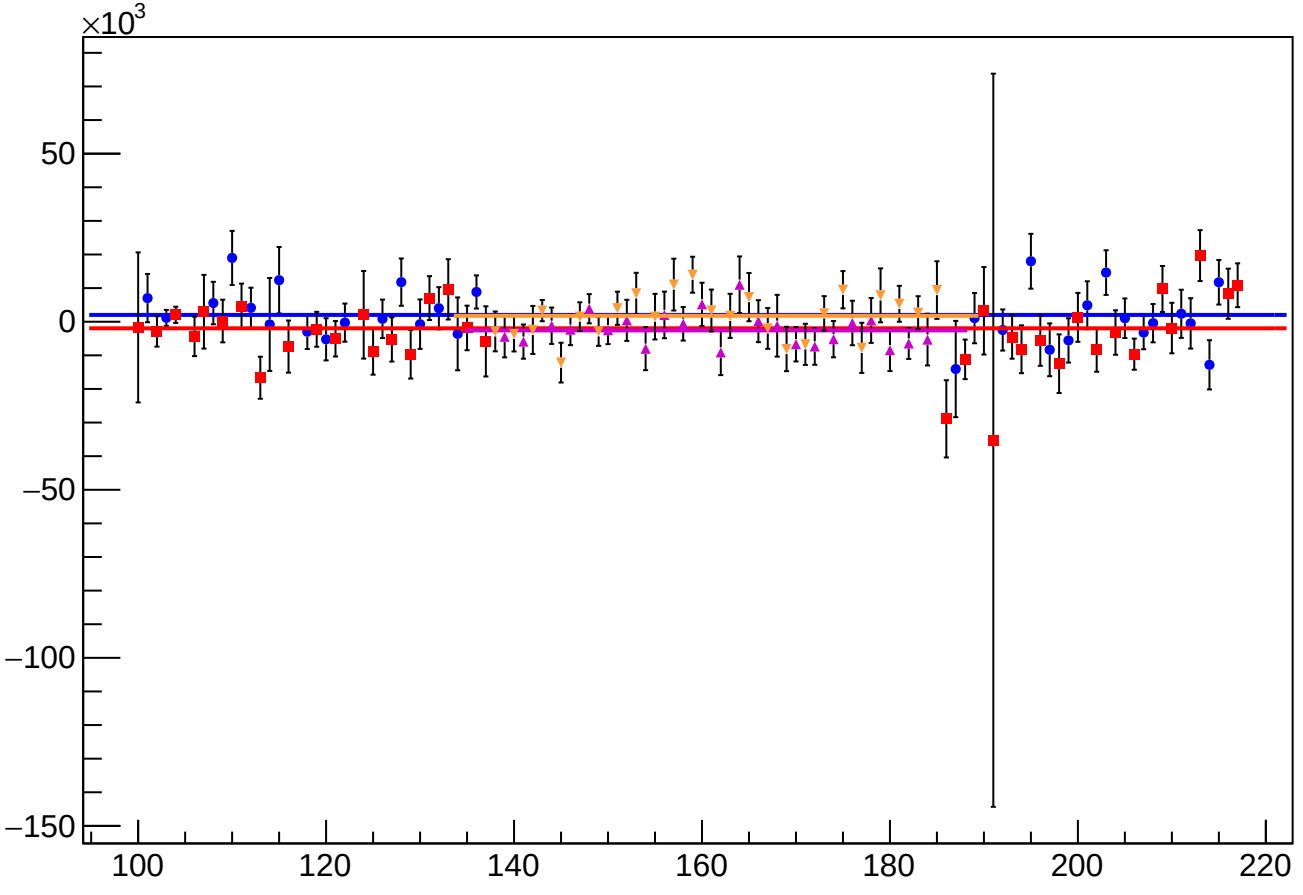
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4649.094+/-0.552 χ^2/NDF: 5525076.7/55

All: 4547.113+/-0.384 χ^2/NDF: 14038918.4/1

- sign 4451.127+/-0.536 χ^2/NDF: 8447589.2/58

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2027.723+/-1089.047 χ^2/NDF: 33.7/30

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -1960.372+/-1061.698 χ^2/NDF: 48.5/35

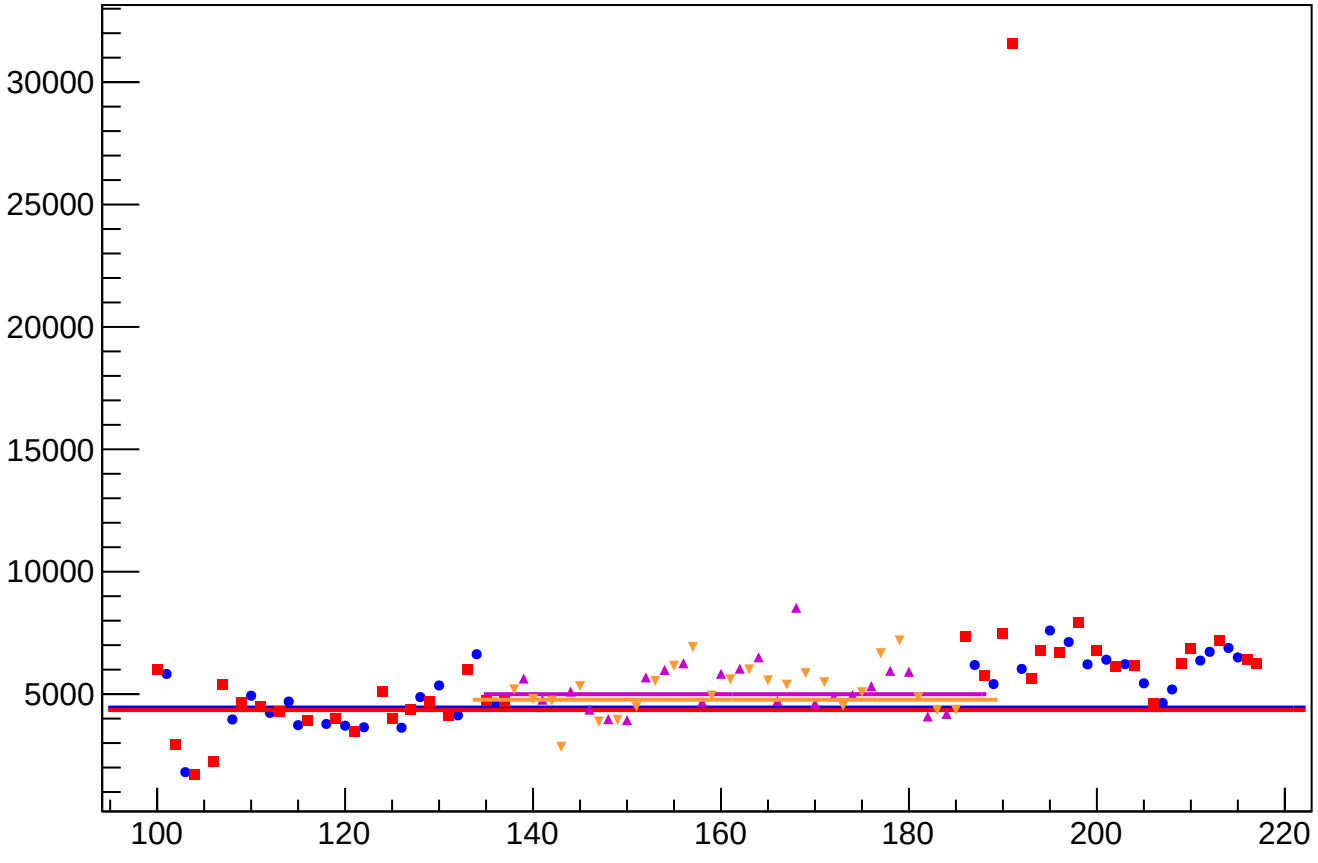
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1897.982+/-779.506 χ^2/NDF: 61.4/55

All: -136.445+/-555.478 χ^2/NDF: 137.2/114

- sign -2235.375+/-791.767 χ^2/NDF: 62.0/58

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4451.231+/-0.770 χ^2/NDF: 4826411.0/30

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

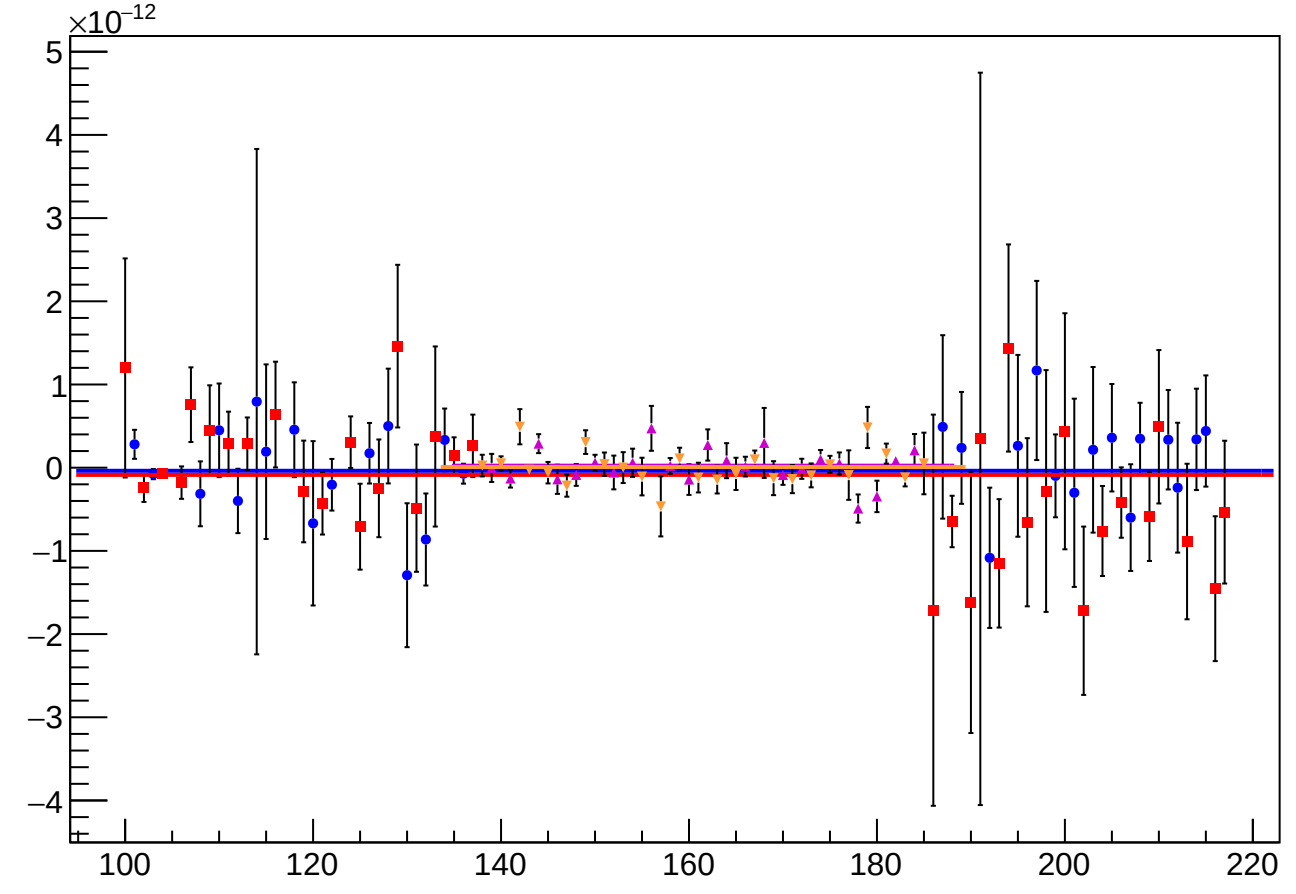
Right Out: 4345.903+/-0.744 χ^2/NDF: 6041346.2/35

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4607.261+/-0.551 χ^2/NDF: 6697678.3/55

All: 4619.482+/-0.392 χ^2/NDF: 14172040.1/1

- sign 4631.968+/-0.557 χ^2/NDF: 7473368.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

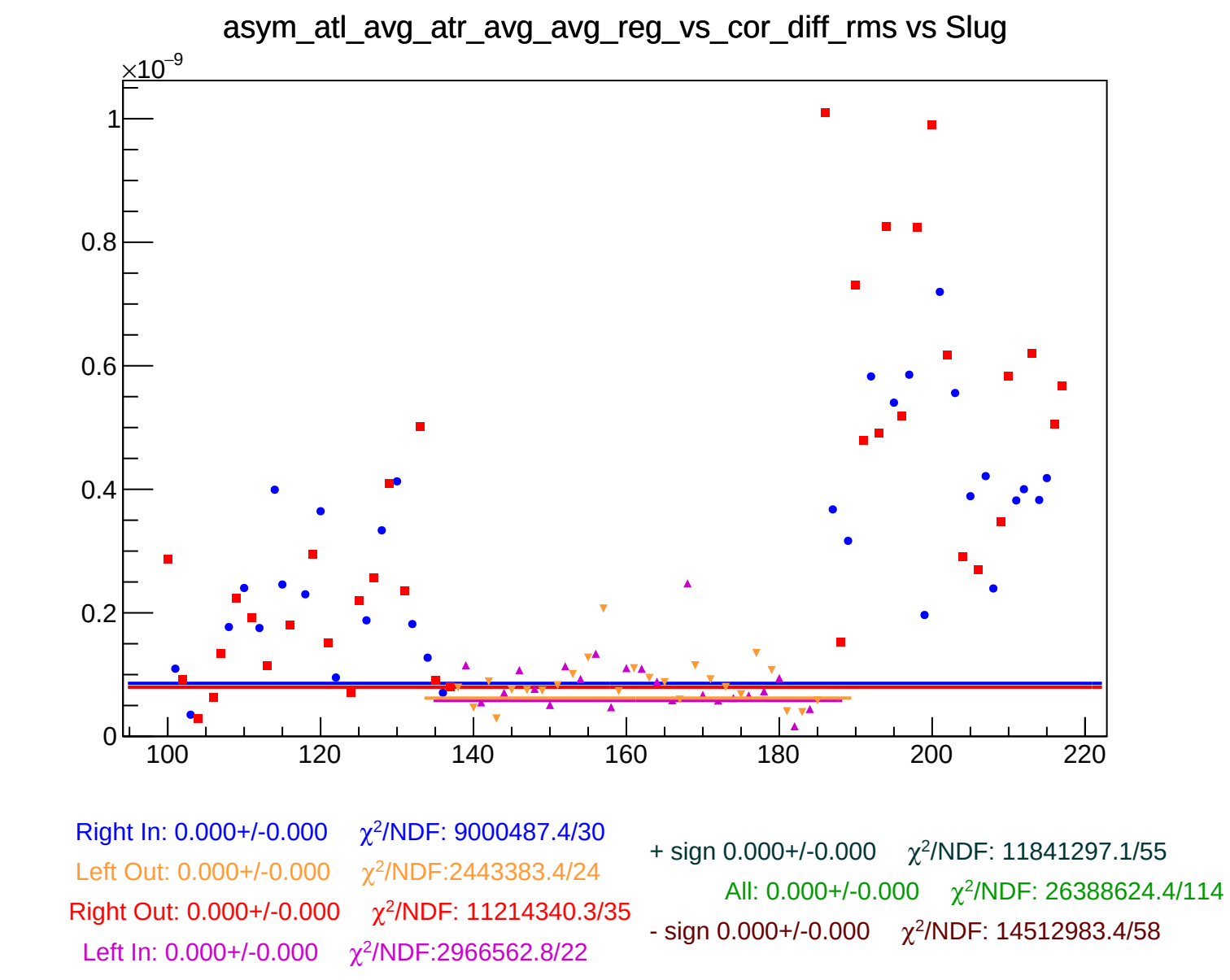
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/35

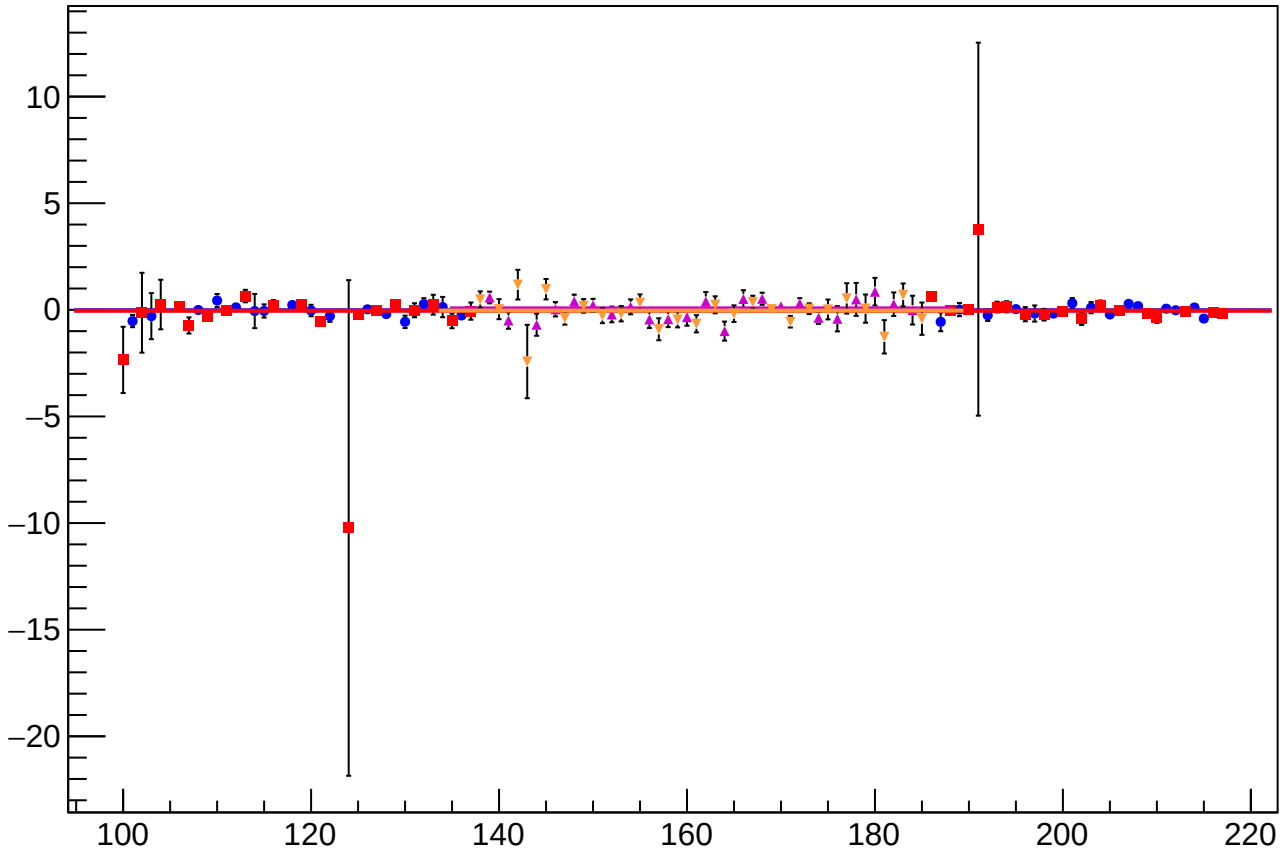
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.3/55

All: -0.000+/-0.000 χ^2/NDF: 121.8/114

- sign -0.000+/-0.000 χ^2/NDF: 73.5/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 9000487.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 11214340.3/35
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 11841297.1/55
All: 0.000+/-0.000 χ²/NDF: 26388624.4/114
- sign 0.000+/-0.000 χ²/NDF: 14512983.4/58



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

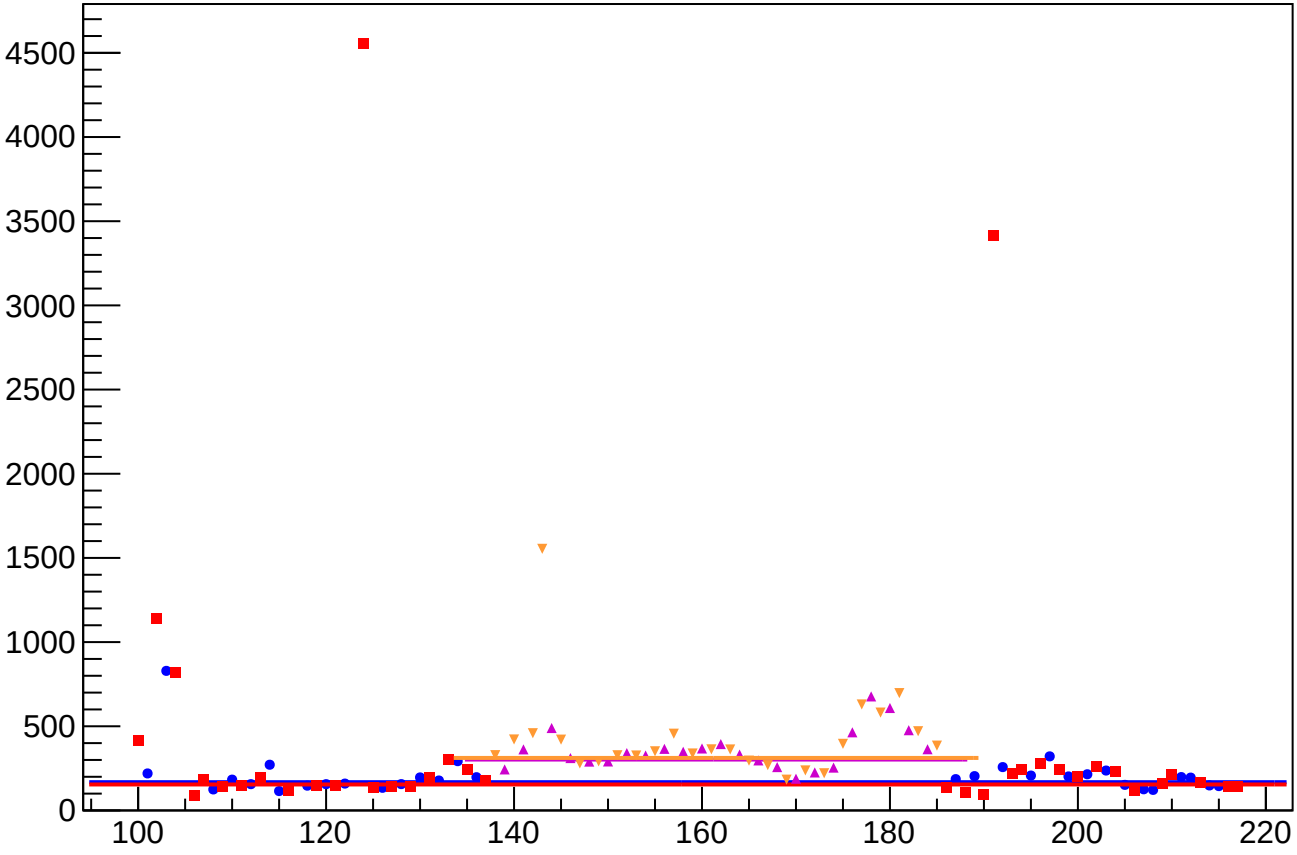
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.024+/-0.036 χ^2/NDF: 67.8/55

All: -0.021+/-0.025 χ^2/NDF: 143.6/114

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug



Right In: 167.934+/-0.029 χ^2/NDF: 2746635.7/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

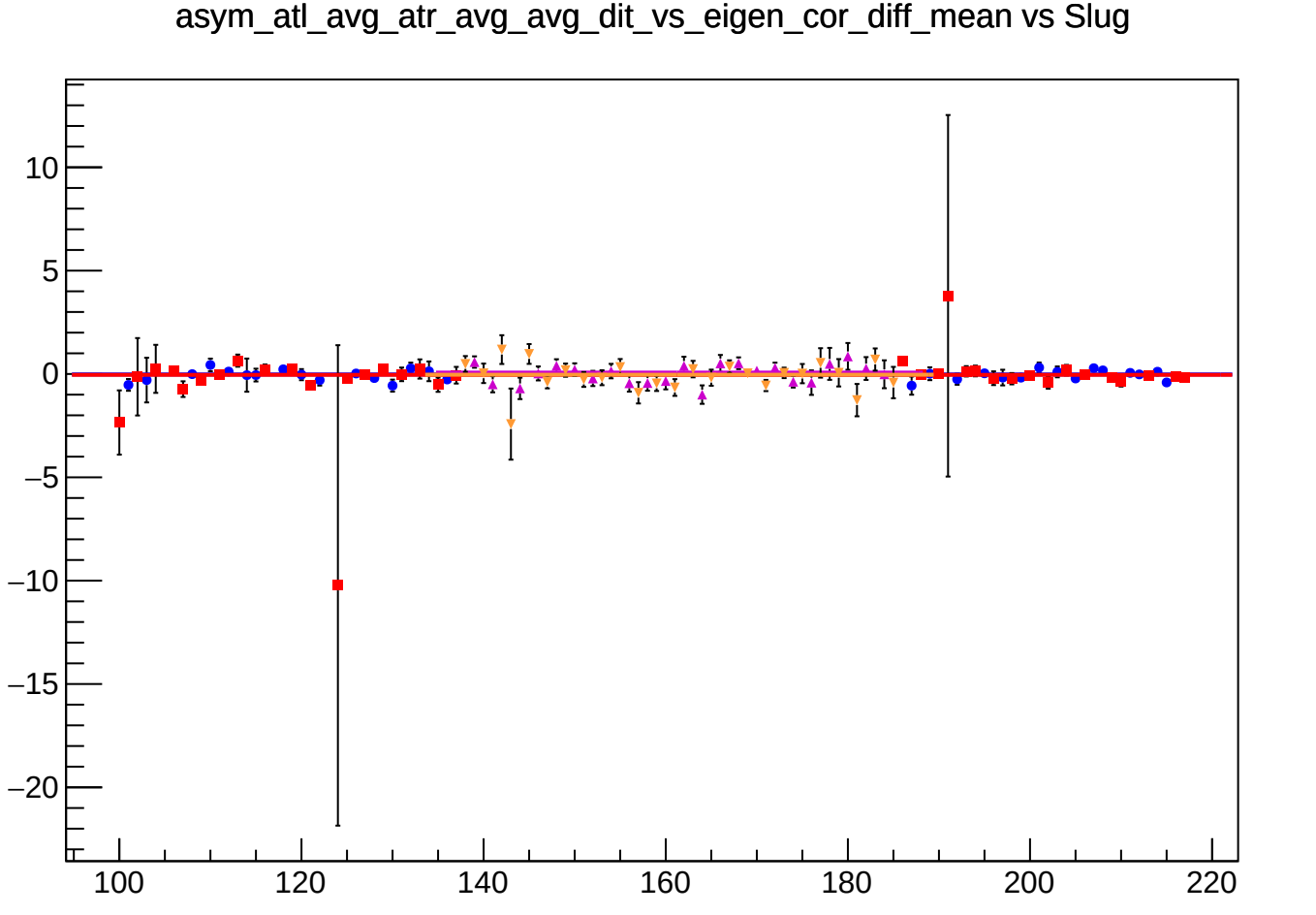
Right Out: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 200.224+/-0.026 χ^2/NDF: 12571649.3/55

All: 191.947+/-0.018 χ^2/NDF: 26708324.7/11

- sign 184.724+/-0.024 χ^2/NDF: 13941993.1/58



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

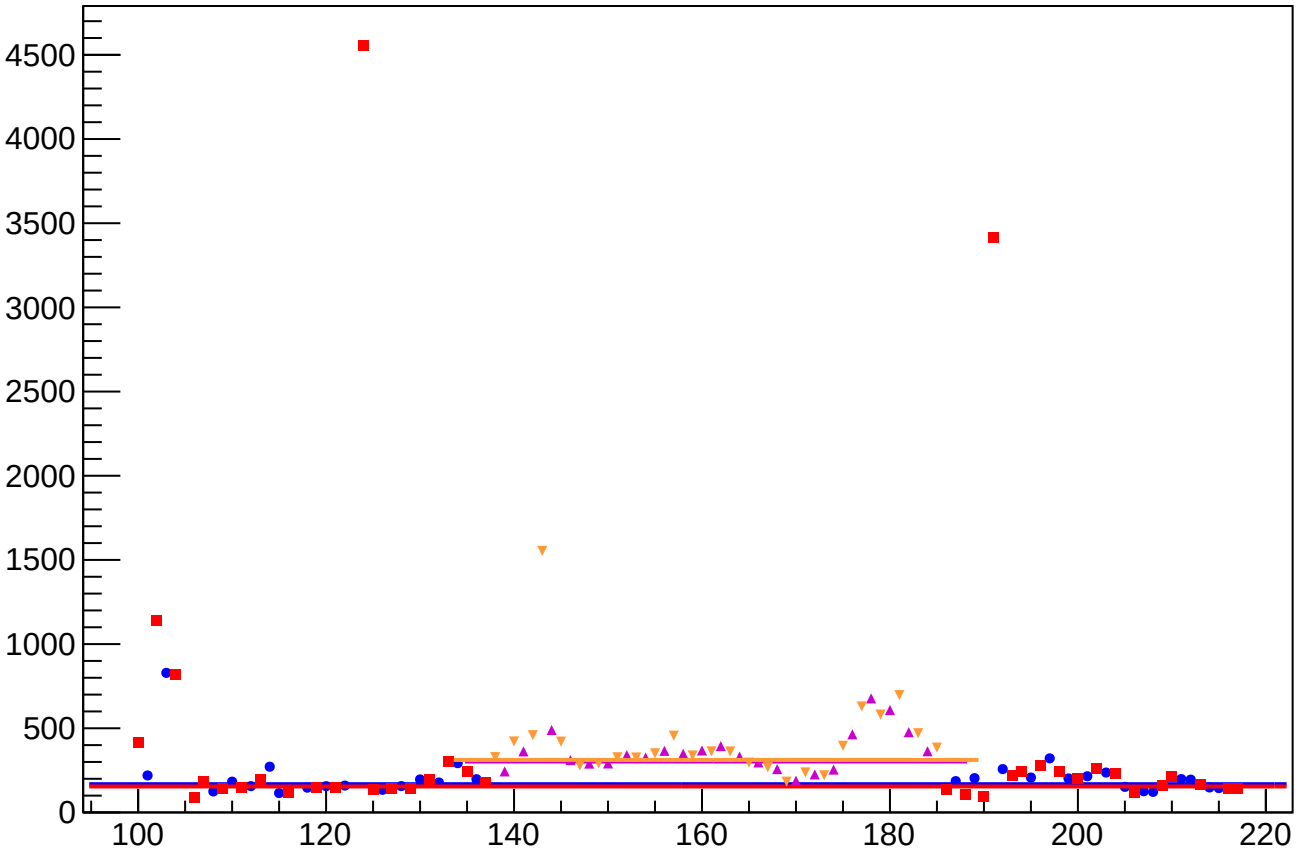
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.024+/-0.036 χ^2/NDF: 67.8/55

All: -0.021+/-0.025 χ^2/NDF: 143.6/114

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58



Right In: 167.934+/-0.029 χ^2/NDF: 2746635.7/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

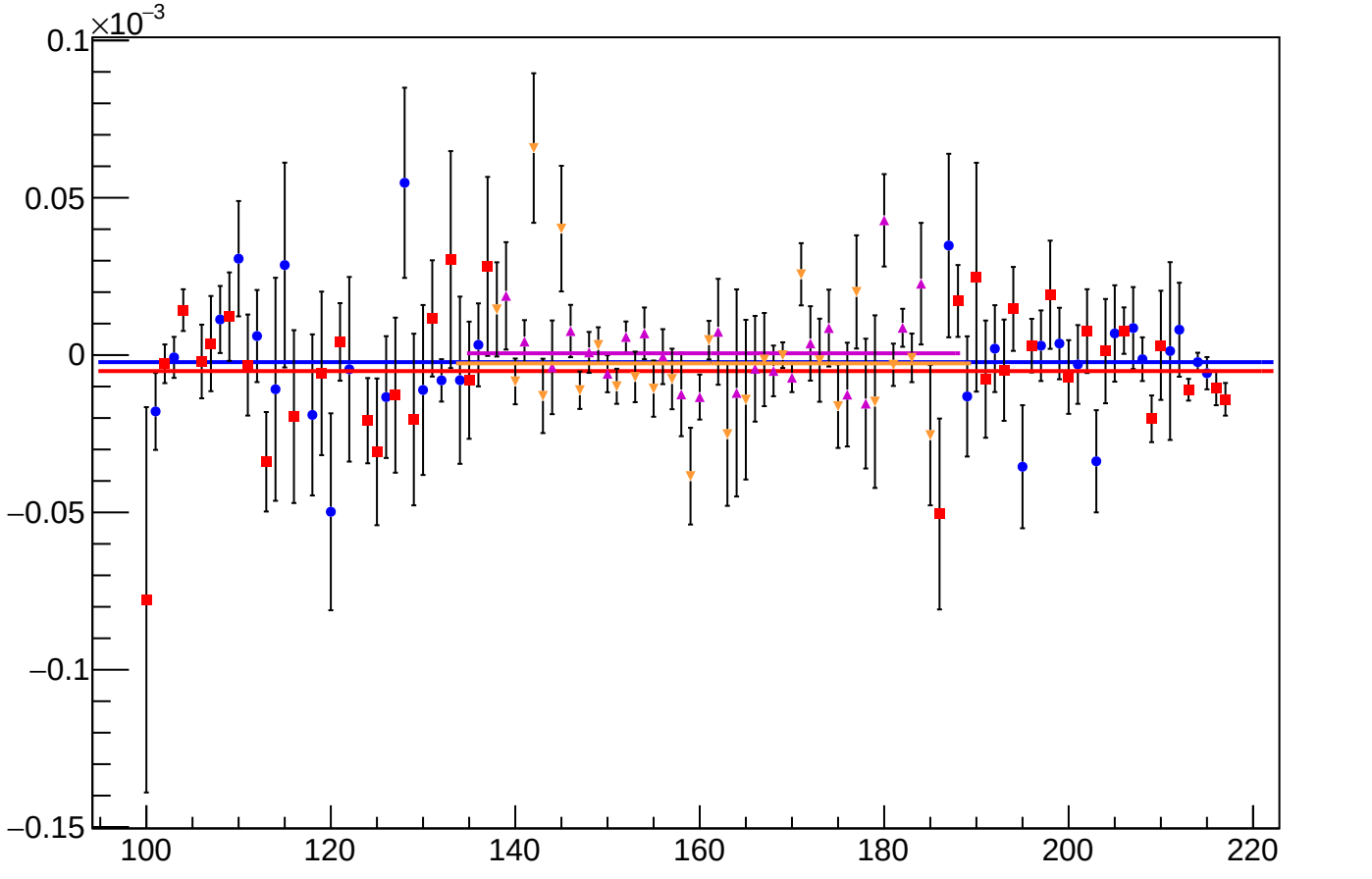
Right Out: 154.376+/-0.027 χ^2/NDF: 4924965.5/35

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 200.224+/-0.026 χ^2/NDF: 12571649.3/55

All: 191.947+/-0.018 χ^2/NDF: 26708324.7/11

- sign 184.724+/-0.024 χ^2/NDF: 13941993.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

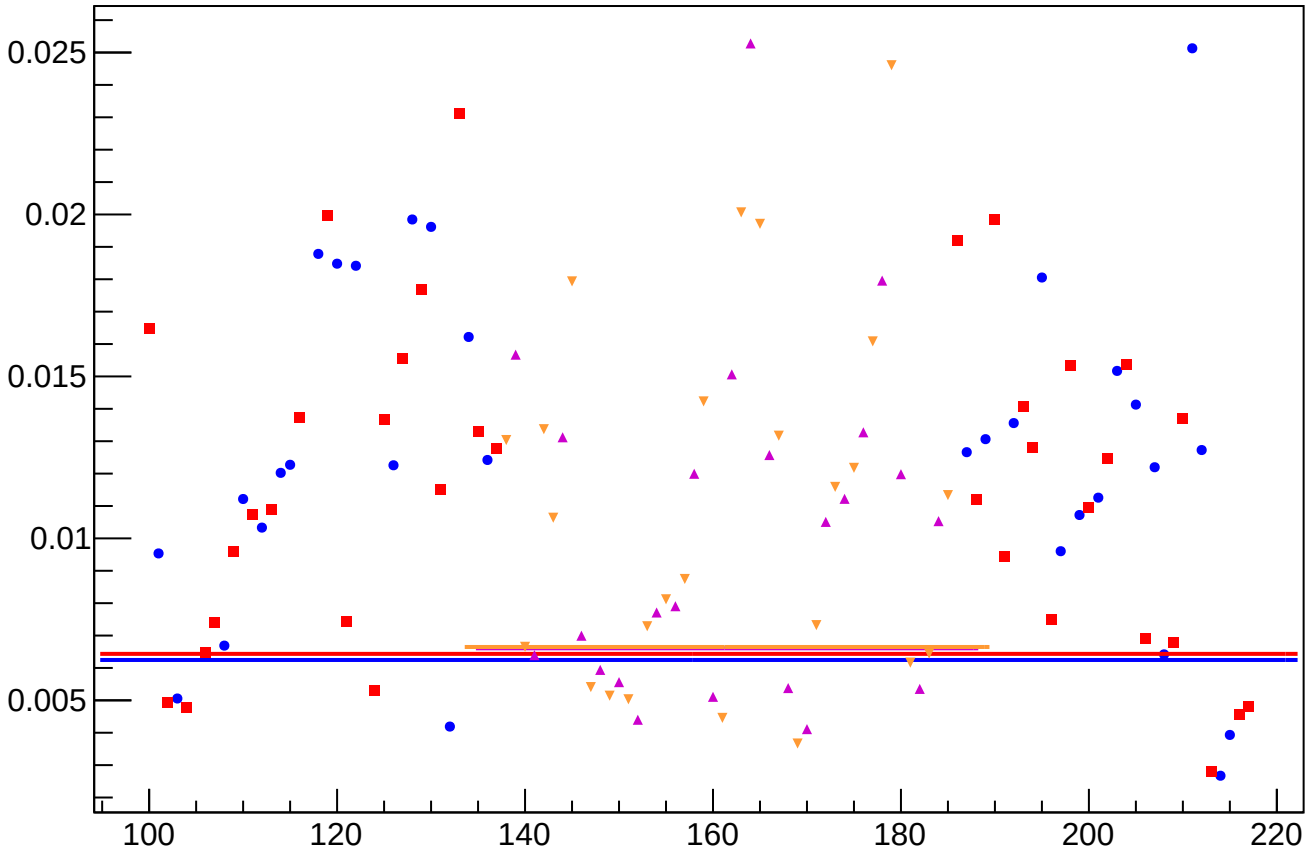
Right Out: -0.000+/-0.000 χ^2/NDF: 49.8/35

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.2/55

All: -0.000+/-0.000 χ^2/NDF: 151.2/114

- sign -0.000+/-0.000 χ^2/NDF: 82.0/58



Right In: 0.006+/-0.000 χ^2/NDF: 12314759.6/30

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

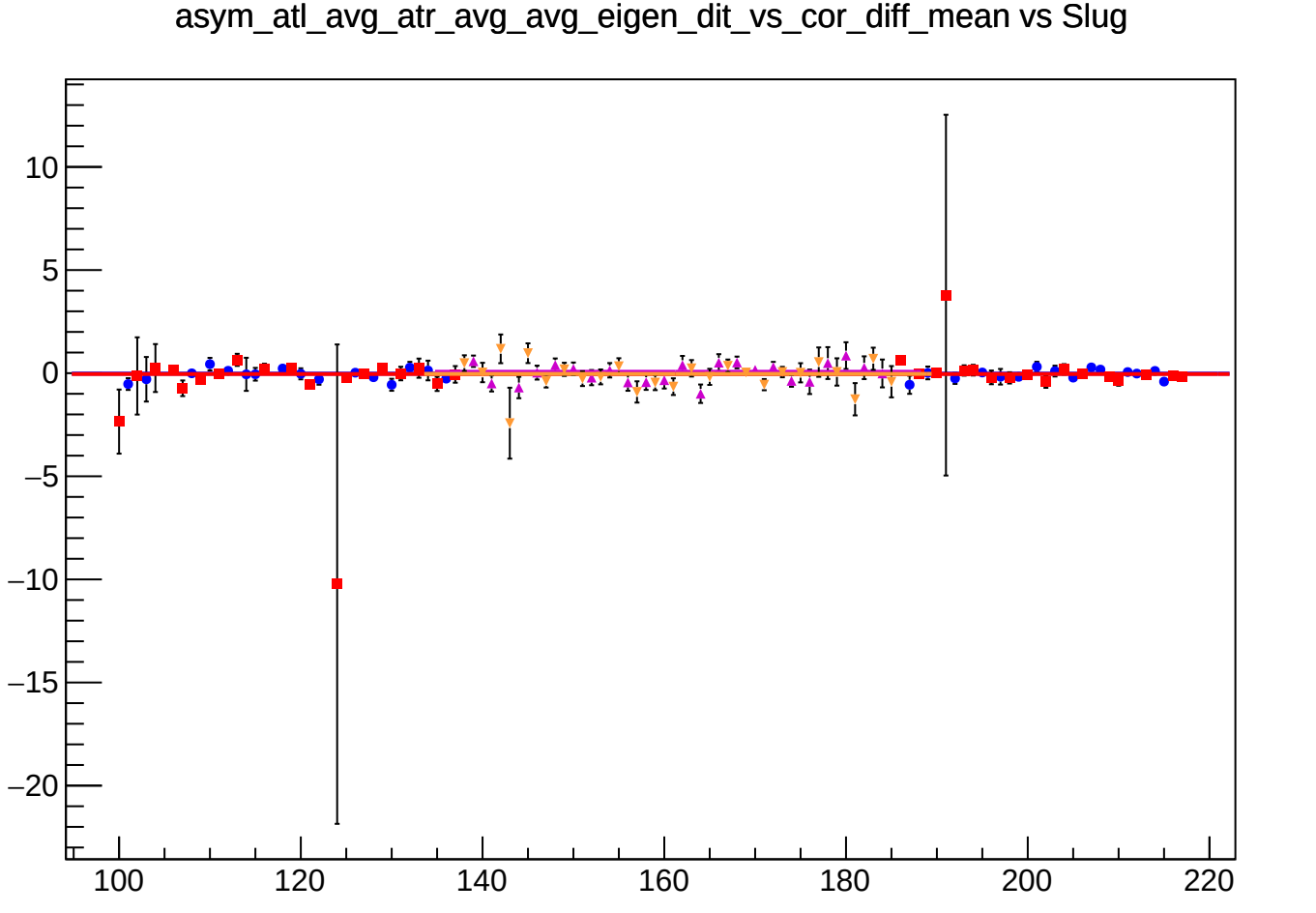
Right Out: 0.006+/-0.000 χ^2/NDF: 10000008.7/35

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 19880411.9/55

All: 0.006+/-0.000 χ^2/NDF: 35748524.4/114

- sign 0.007+/-0.000 χ^2/NDF: 15865544.0/58



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

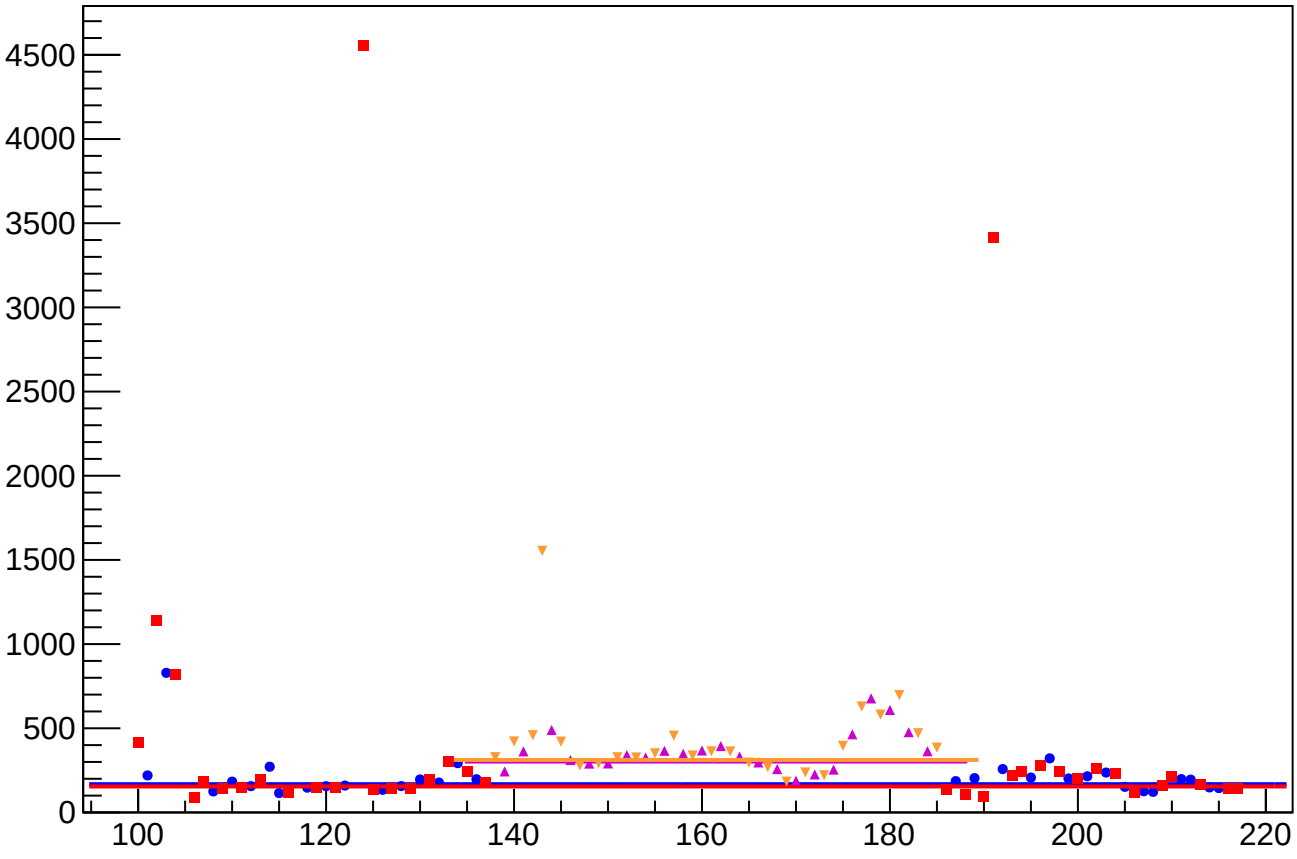
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.024+/-0.036 χ^2/NDF: 67.8/55

All: -0.021+/-0.025 χ^2/NDF: 143.6/114

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58



Right In: 167.933+/-0.029 χ^2/NDF: 2746705.3/30

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

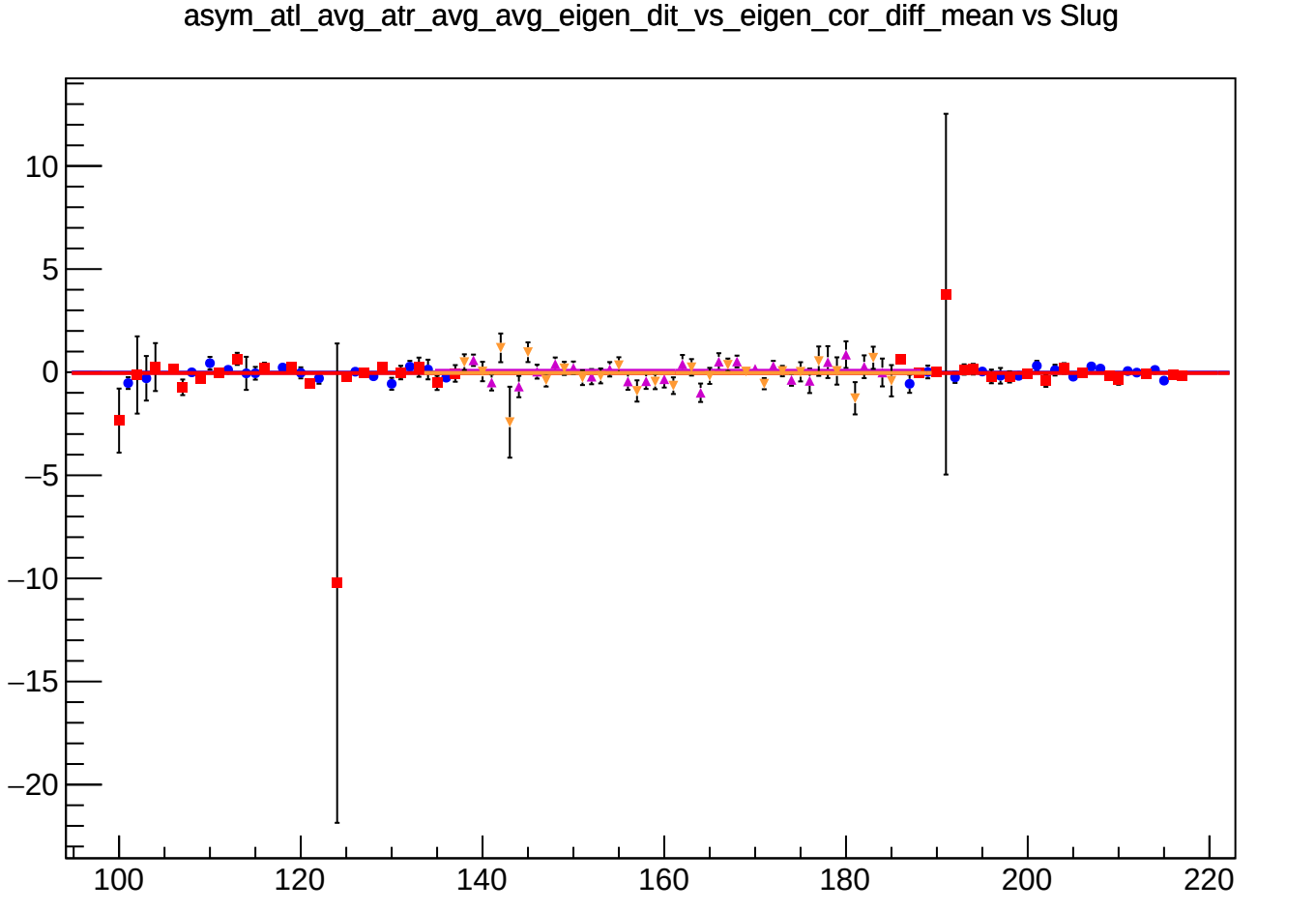
Right Out: 154.374+/-0.027 χ^2/NDF: 4925171.9/35

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 200.223+/-0.026 χ^2/NDF: 12572007.8/55

All: 191.945+/-0.018 χ^2/NDF: 26709368.1/11

- sign 184.721+/-0.024 χ^2/NDF: 13942638.3/58



Right In: -0.021+/-0.041 χ^2/NDF: 35.3/30

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

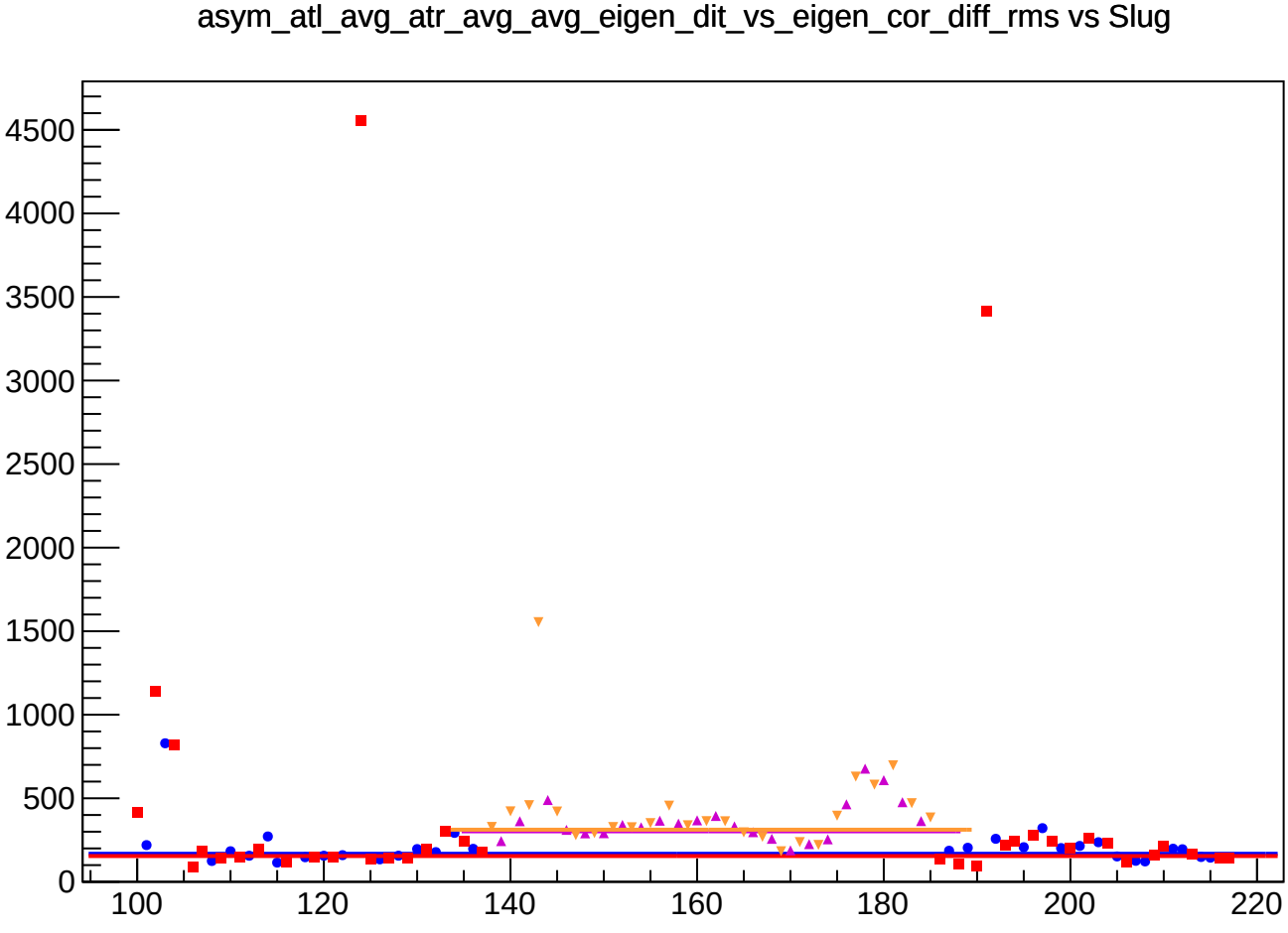
Right Out: -0.042+/-0.038 χ^2/NDF: 44.1/35

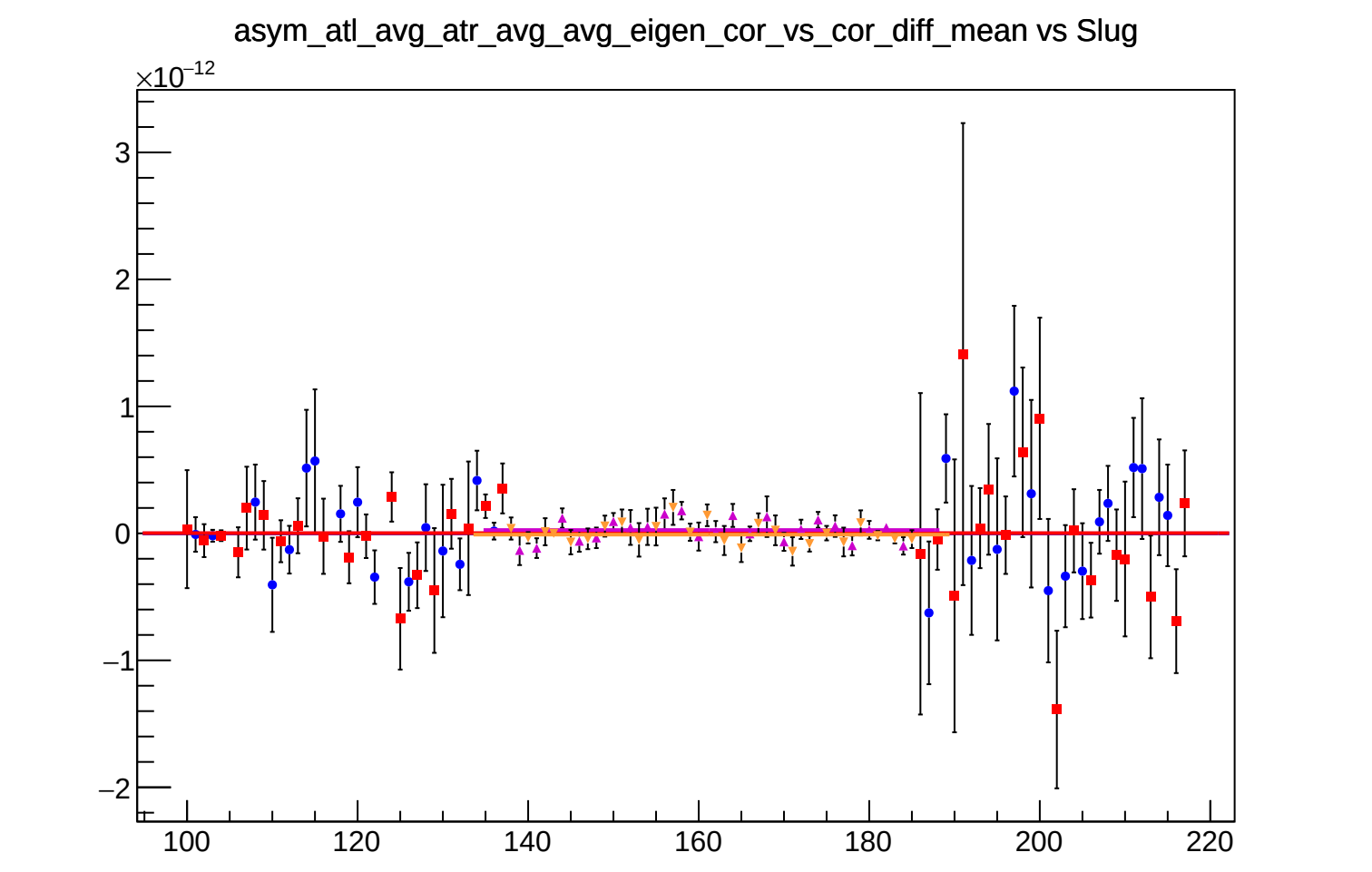
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.024+/-0.036 χ^2/NDF: 67.8/55

All: -0.021+/-0.025 χ^2/NDF: 143.6/114

- sign -0.019+/-0.034 χ^2/NDF: 75.8/58


asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 167.933+/-0.029 χ2/NDF: 2746705.3/30
Left Out: 311.961+/-0.054 χ2/NDF:4350376.6/24
Right Out: 154.374+/-0.027 χ2/NDF: 4925171.9/35
Left In: 302.377+/-0.053 χ2/NDF:2808874.8/22
+ sign 200.223+/-0.026 χ2/NDF: 12572007.8/55
All: 191.945+/-0.018 χ2/NDF: 26709368.1/11
- sign 184.721+/-0.024 χ2/NDF: 13942638.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

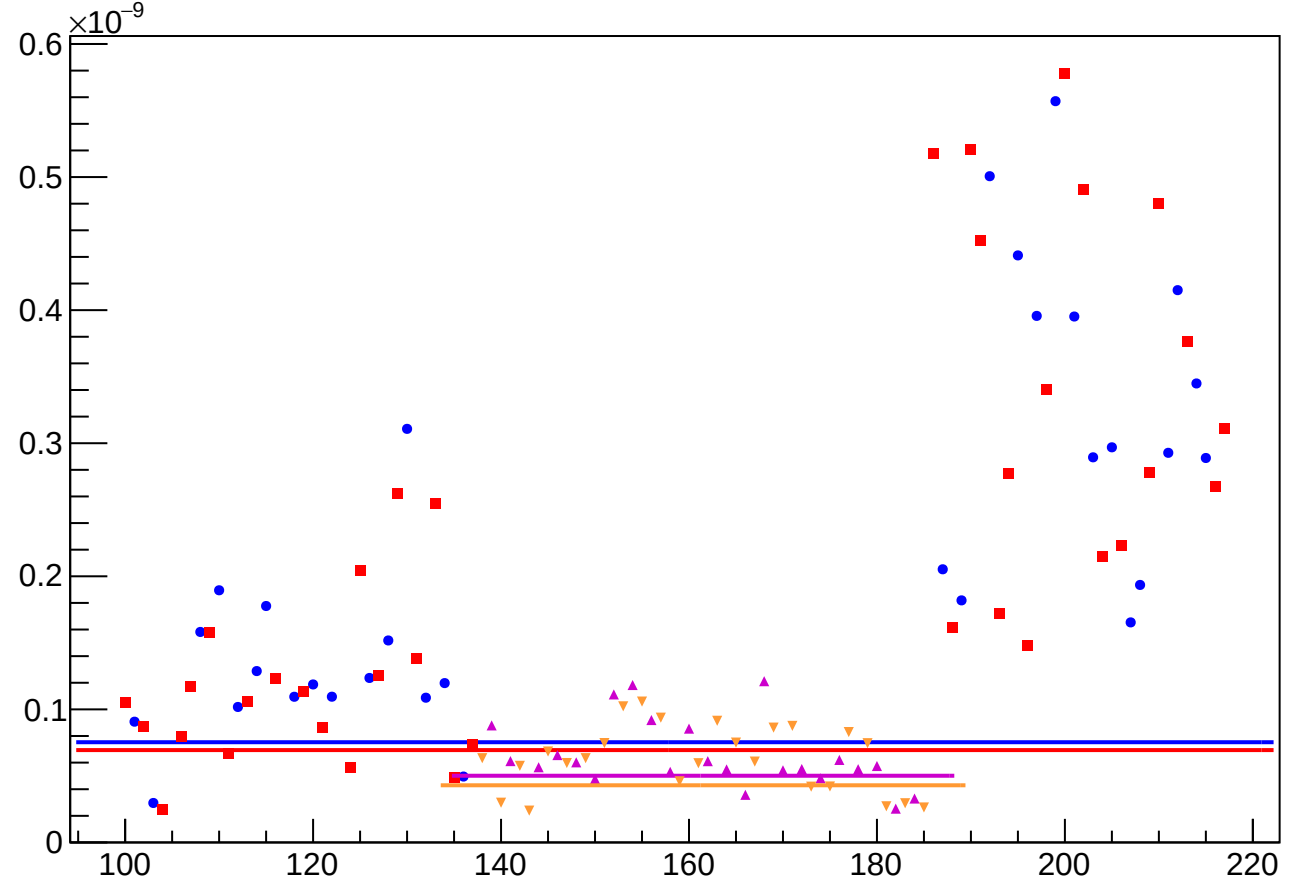
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/35

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/55

All: 0.000+/-0.000 χ^2/NDF: 110.1/114

- sign 0.000+/-0.000 χ^2/NDF: 61.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 11873577.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

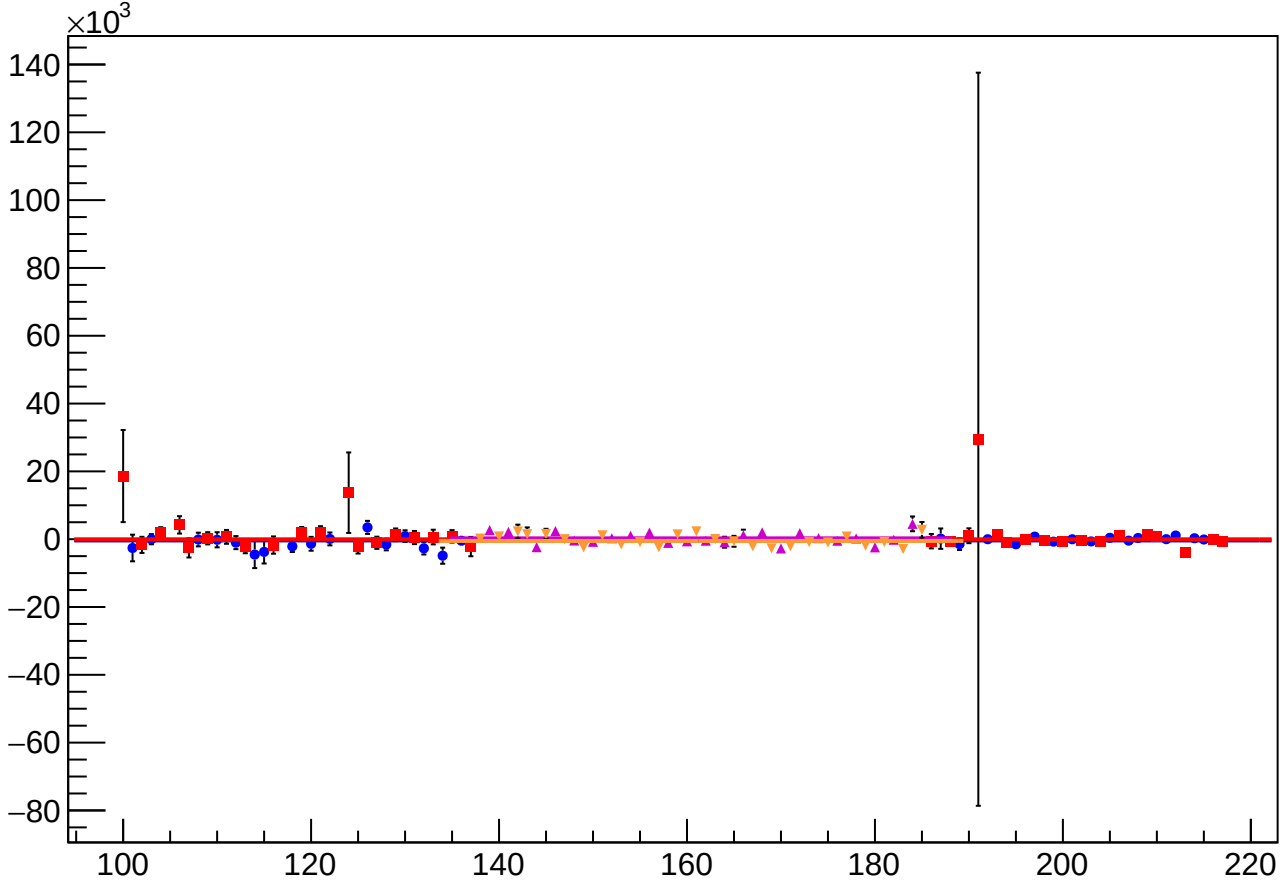
Right Out: 0.000+/-0.000 χ^2/NDF: 12091061.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18733511.5/55

All: 0.000+/-0.000 χ^2/NDF: 35312052.3/114

- sign 0.000+/-0.000 χ^2/NDF: 16356298.7/58



Right In: -361.129+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -37.386+/-286.628 χ^2/NDF: 30.1/35

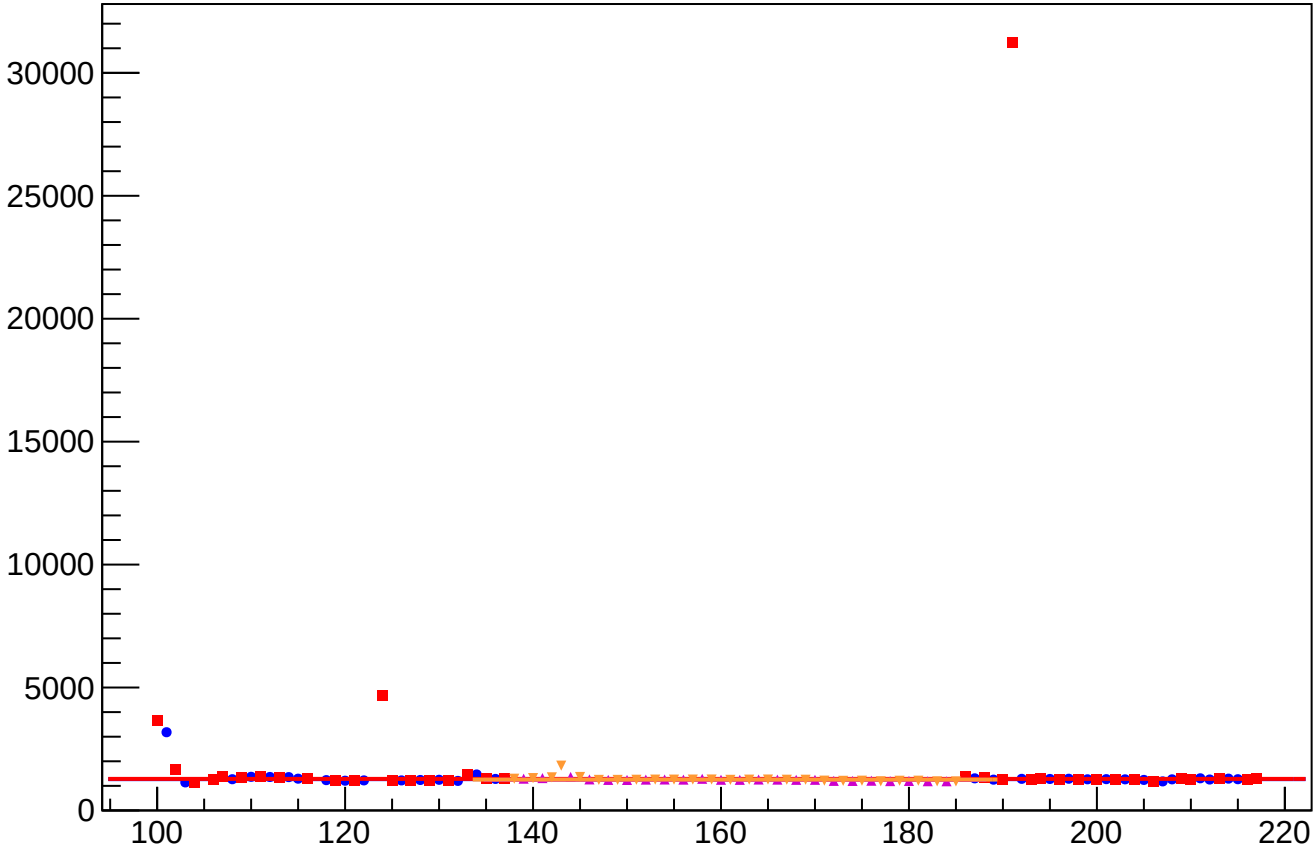
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -439.421+/-204.310 χ^2/NDF: 49.3/55

All: -169.422+/-144.452 χ^2/NDF: 115.4/114

- sign 100.450+/-204.262 χ^2/NDF: 62.6/58

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534165.5/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

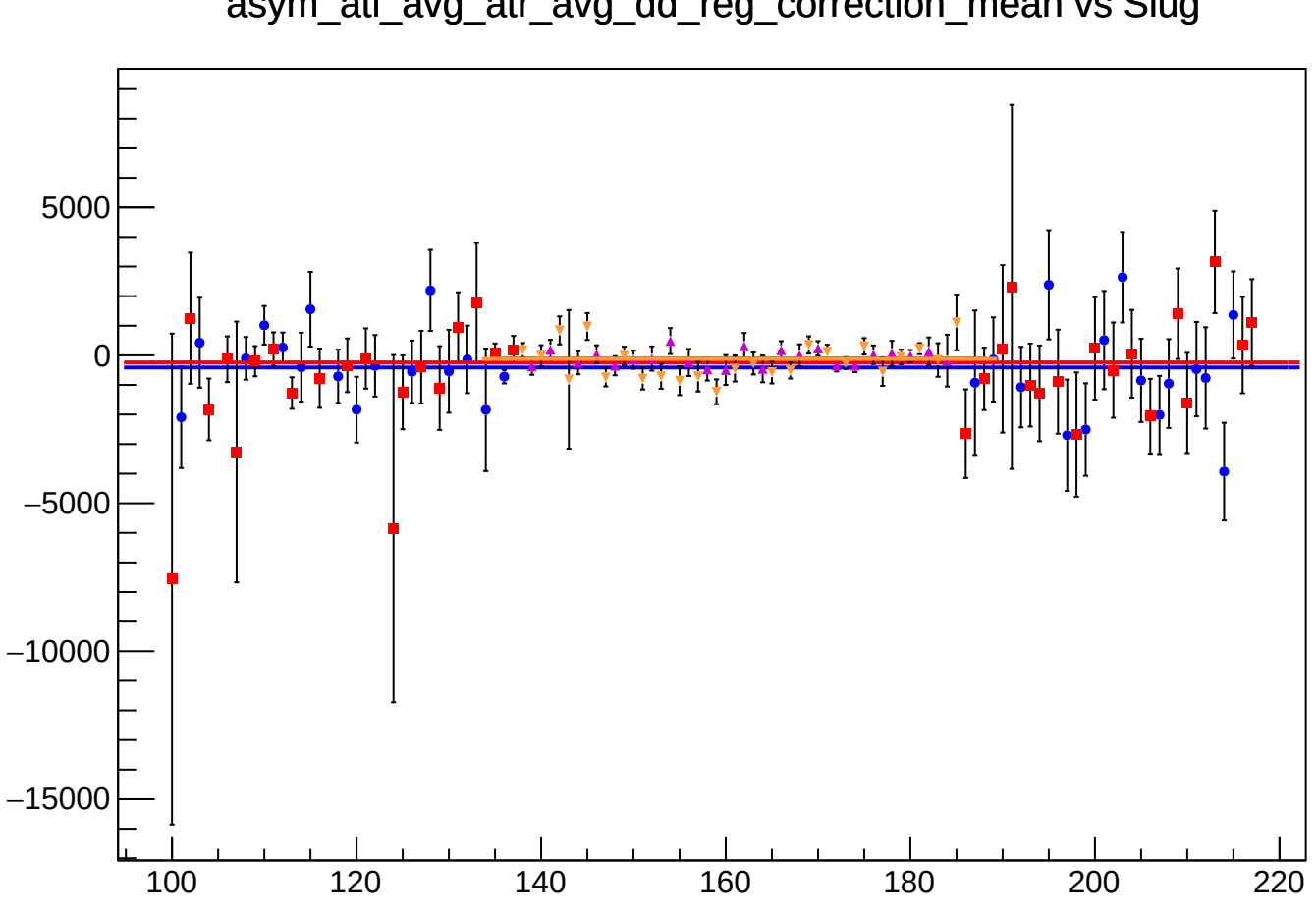
Right Out: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741093.7/55

All: 1264.797+/-0.102 χ^2/NDF: 1306027.7/11

- sign 1265.356+/-0.144 χ^2/NDF: 564904.1/58



Right In: -410.326+/-155.400 χ^2/NDF: 36.1/30

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -238.735+/-155.290 χ^2/NDF: 28.8/35

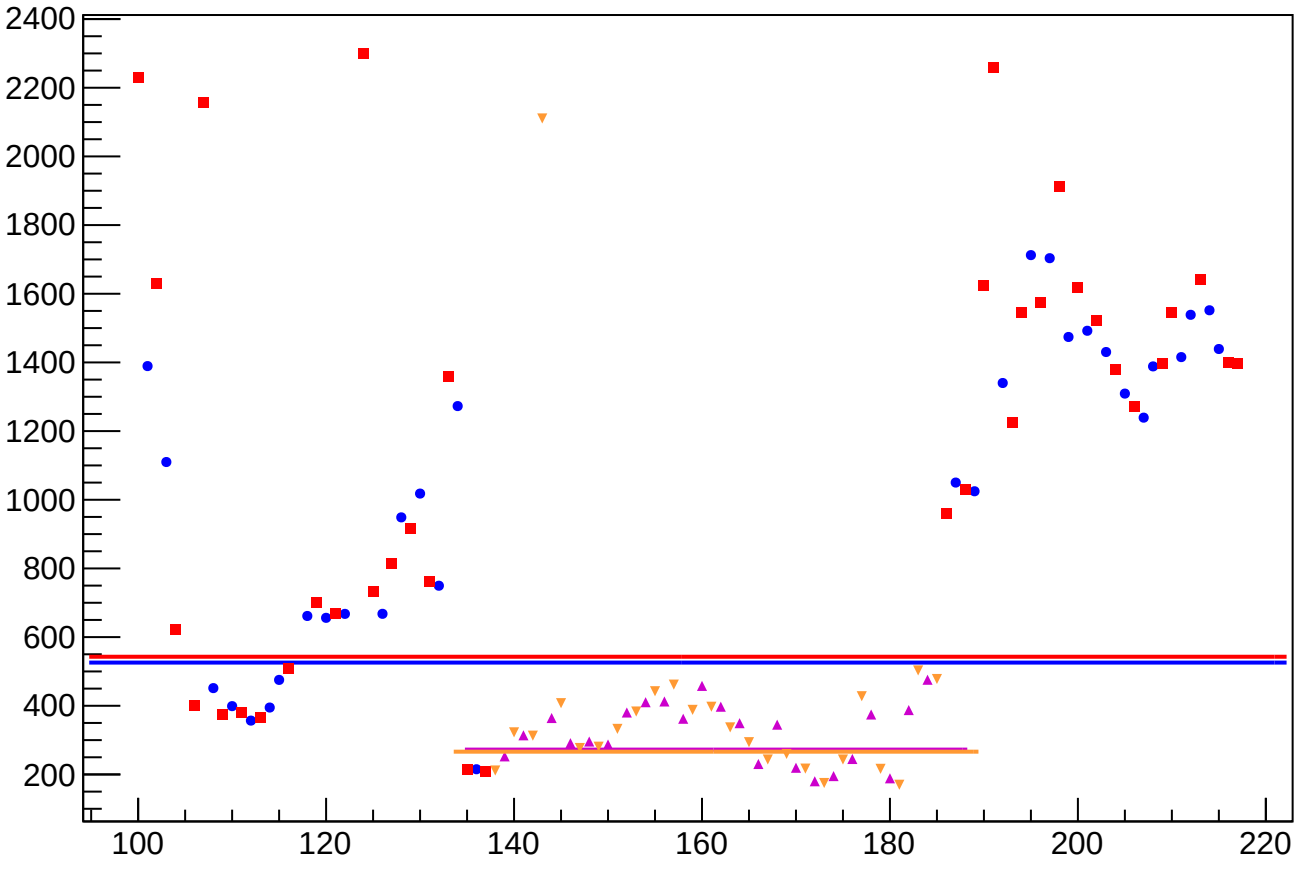
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -160.769+/-60.012 χ^2/NDF: 87.6/55

All: -144.772+/-42.958 χ^2/NDF: 130.9/114

\- sign -127.962+/-61.519 χ^2/NDF: 43.2/58

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 525.804+/-0.110 χ^2/NDF: 15268100.9/30

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

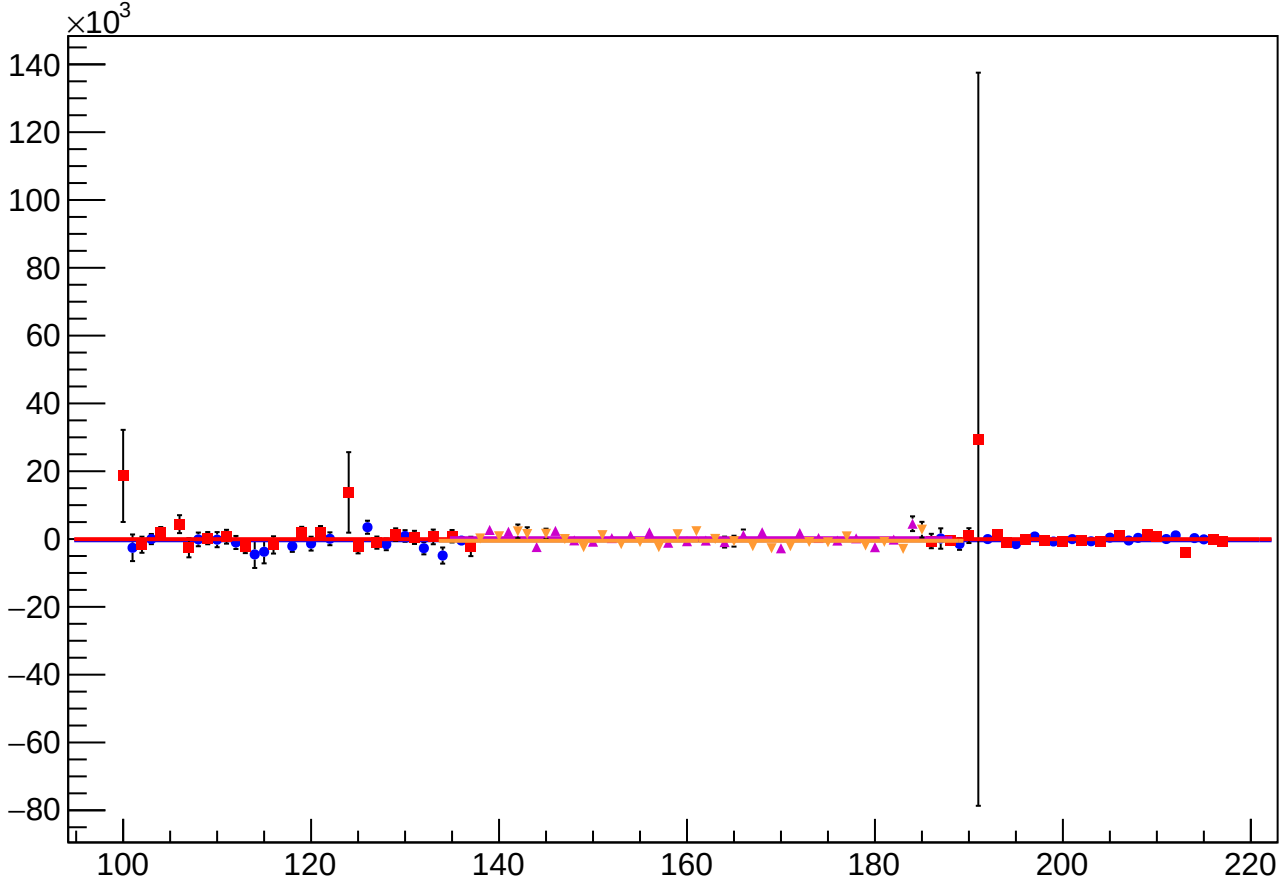
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 305.018+/-0.042 χ^2/NDF: 24642956.4/55

All: 309.793+/-0.030 χ^2/NDF: 48484491.3/11

- sign 314.811+/-0.044 χ^2/NDF: 23815566.4/58

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

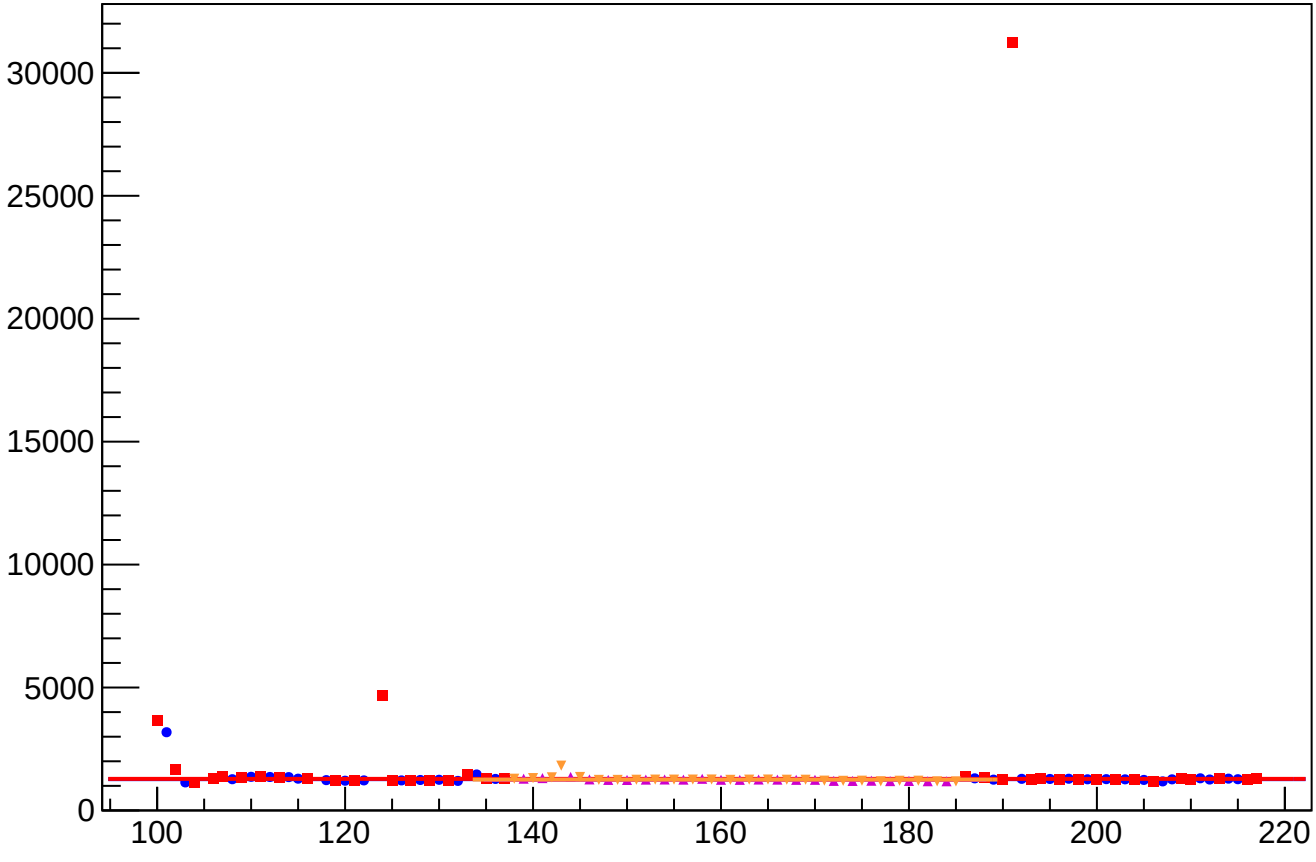
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -439.327+/-204.310 χ^2/NDF: 49.3/55

All: -169.707+/-144.466 χ^2/NDF: 115.4/114

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

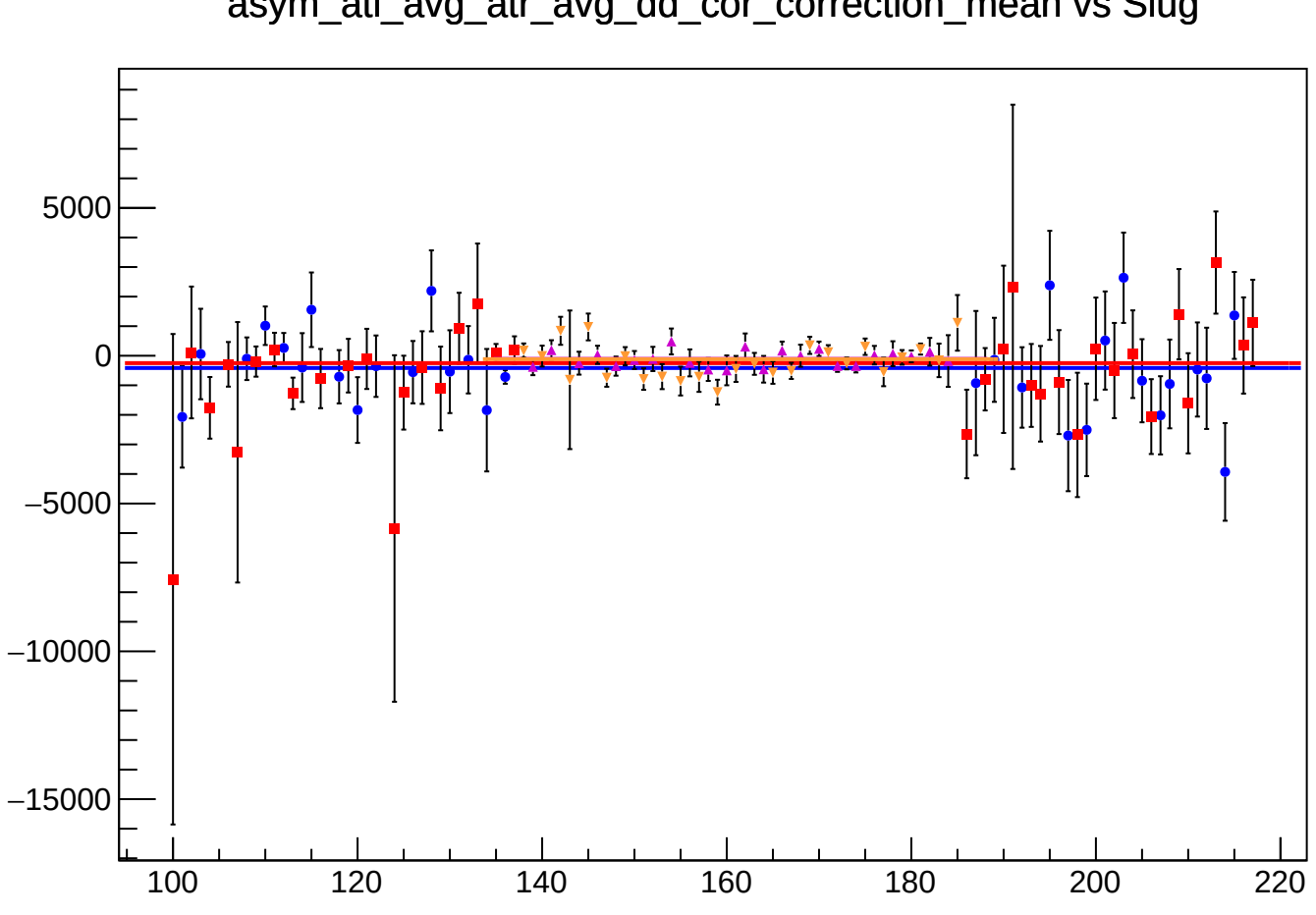
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741095.1/55

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

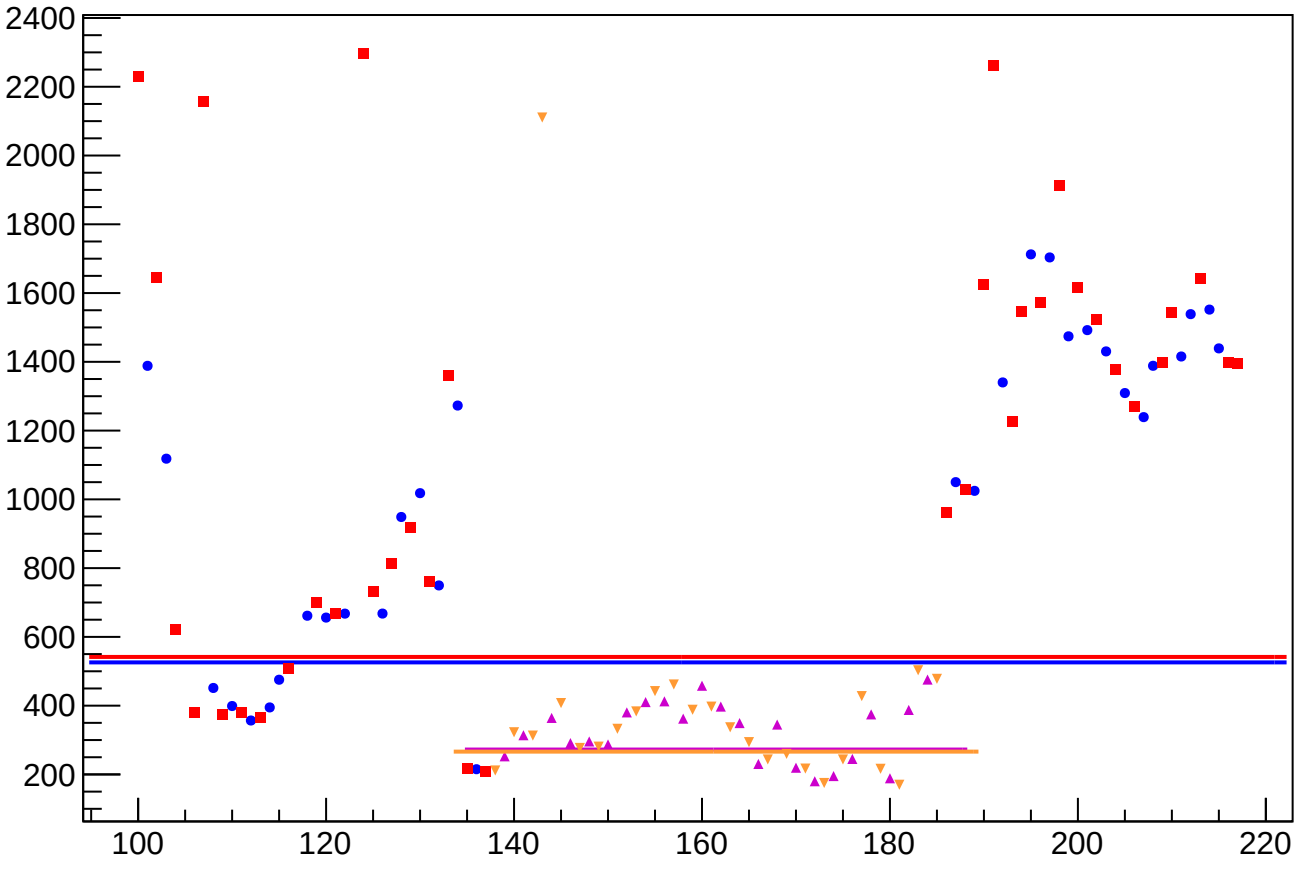
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -161.310+/-60.014 χ^2/NDF: 87.5/55

All: -145.954+/-42.956 χ^2/NDF: 130.2/114

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

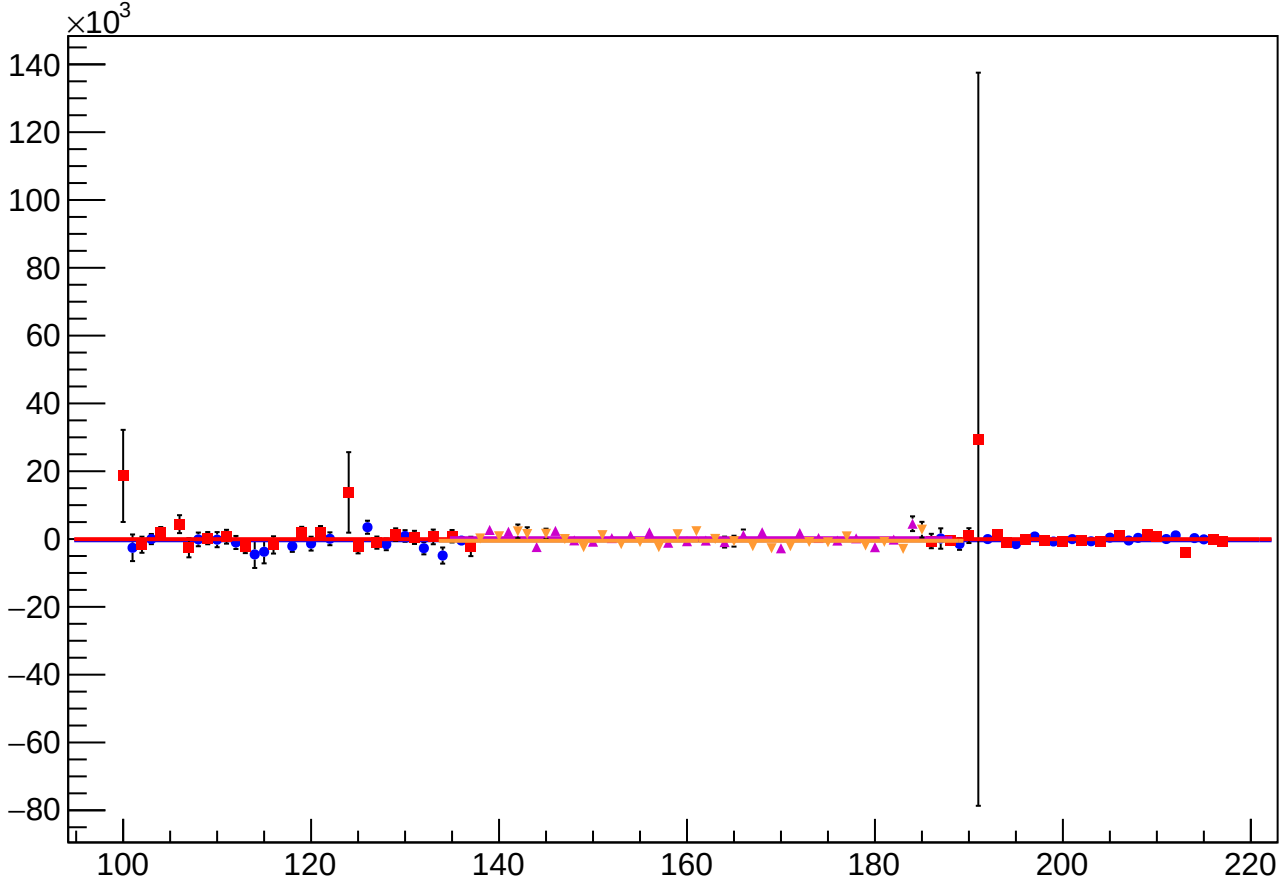
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 305.021+/-0.042 χ^2/NDF: 24645734.9/55

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

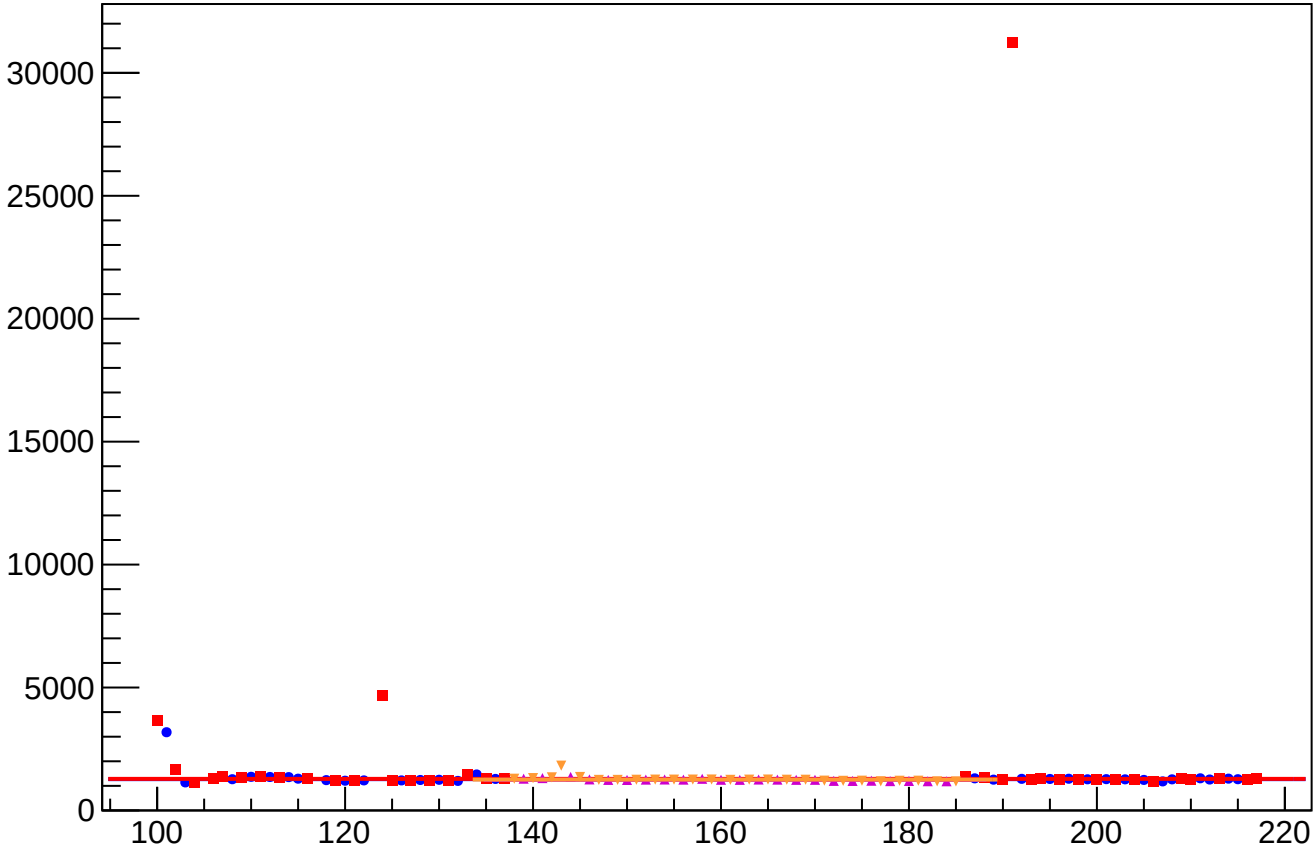
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -439.327+/-204.310 χ^2/NDF: 49.3/55

All: -169.707+/-144.466 χ^2/NDF: 115.4/114

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

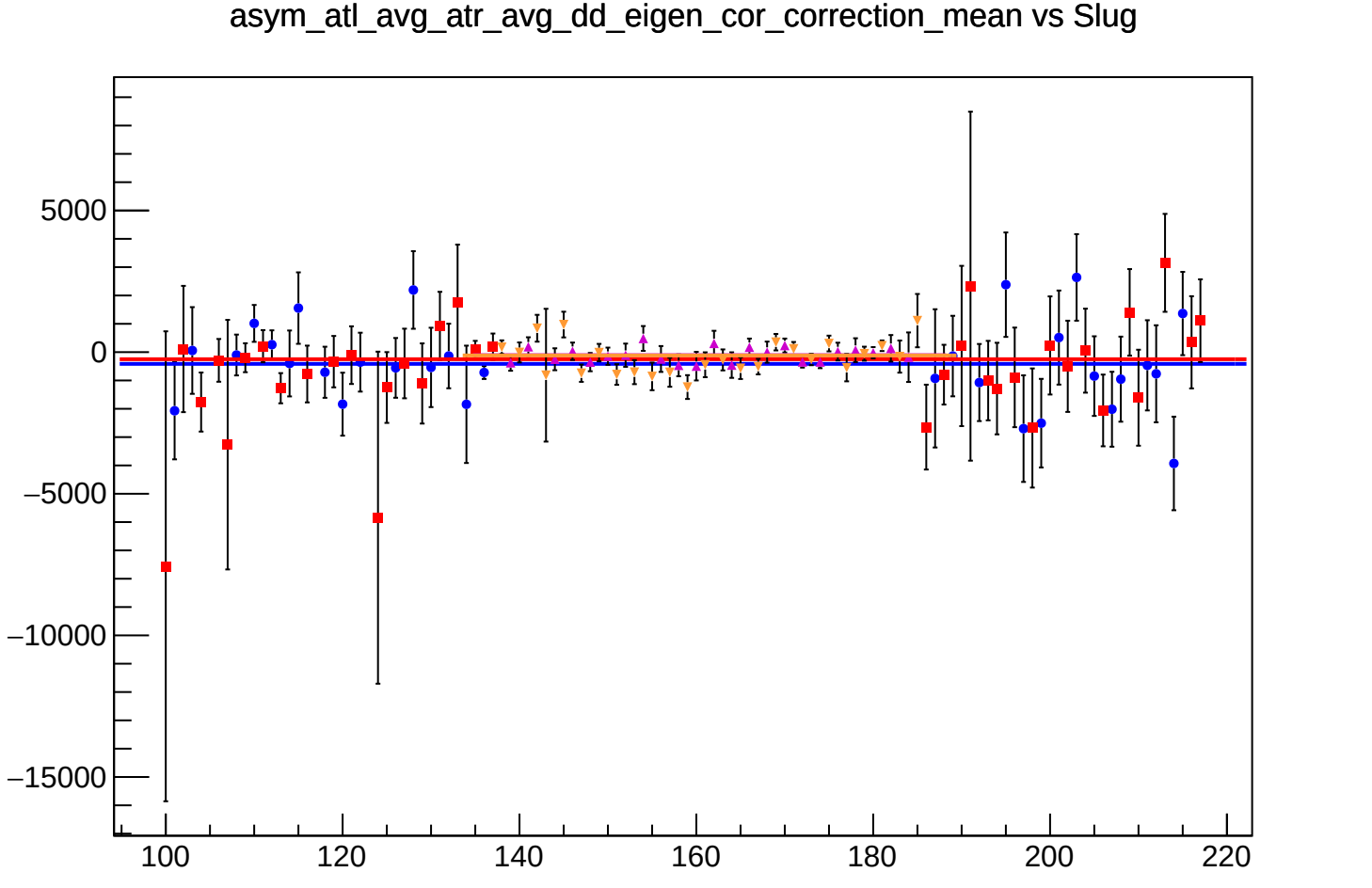
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741095.1/55

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

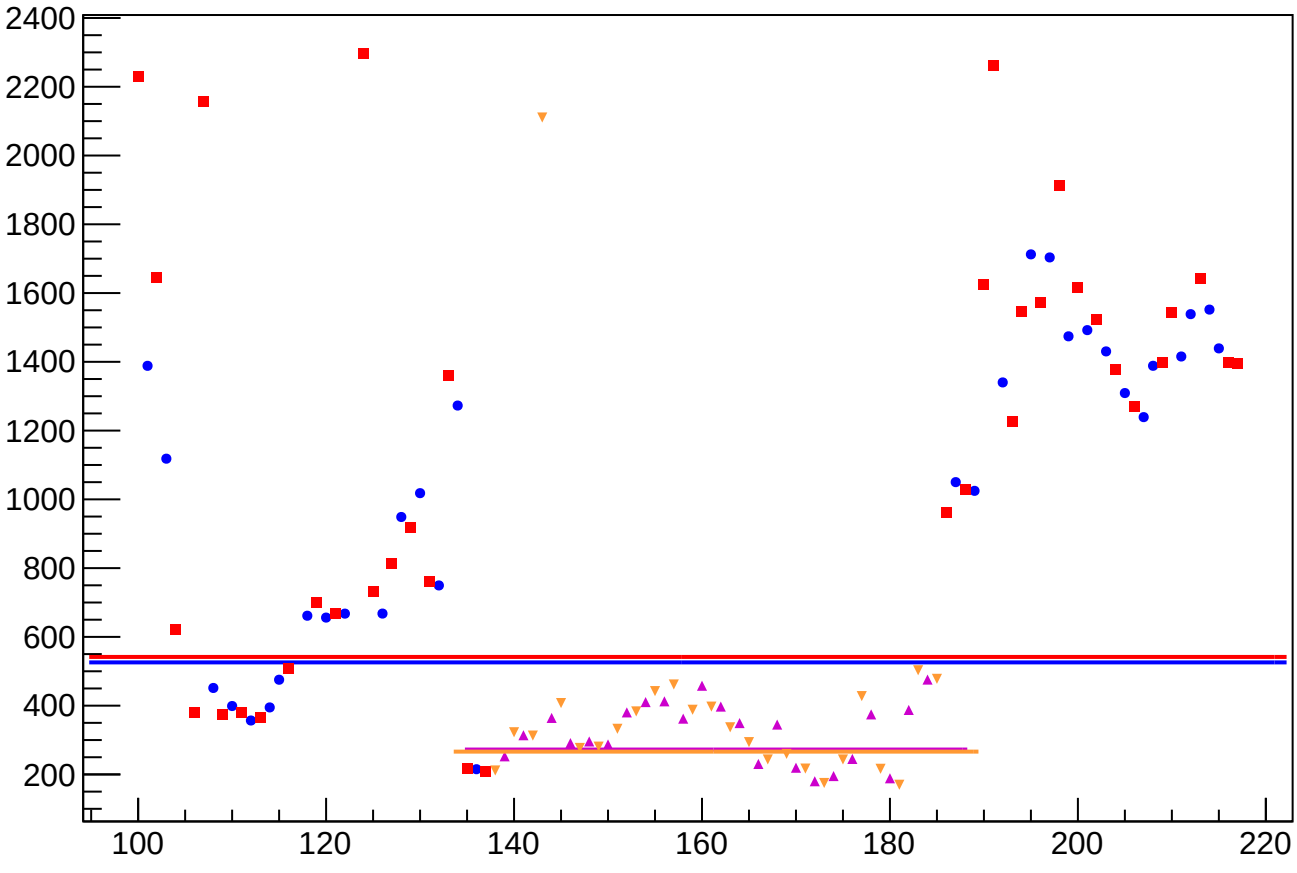
Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -161.310+/-60.014 χ^2/NDF: 87.5/55

All: -145.954+/-42.956 χ^2/NDF: 130.2/114

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

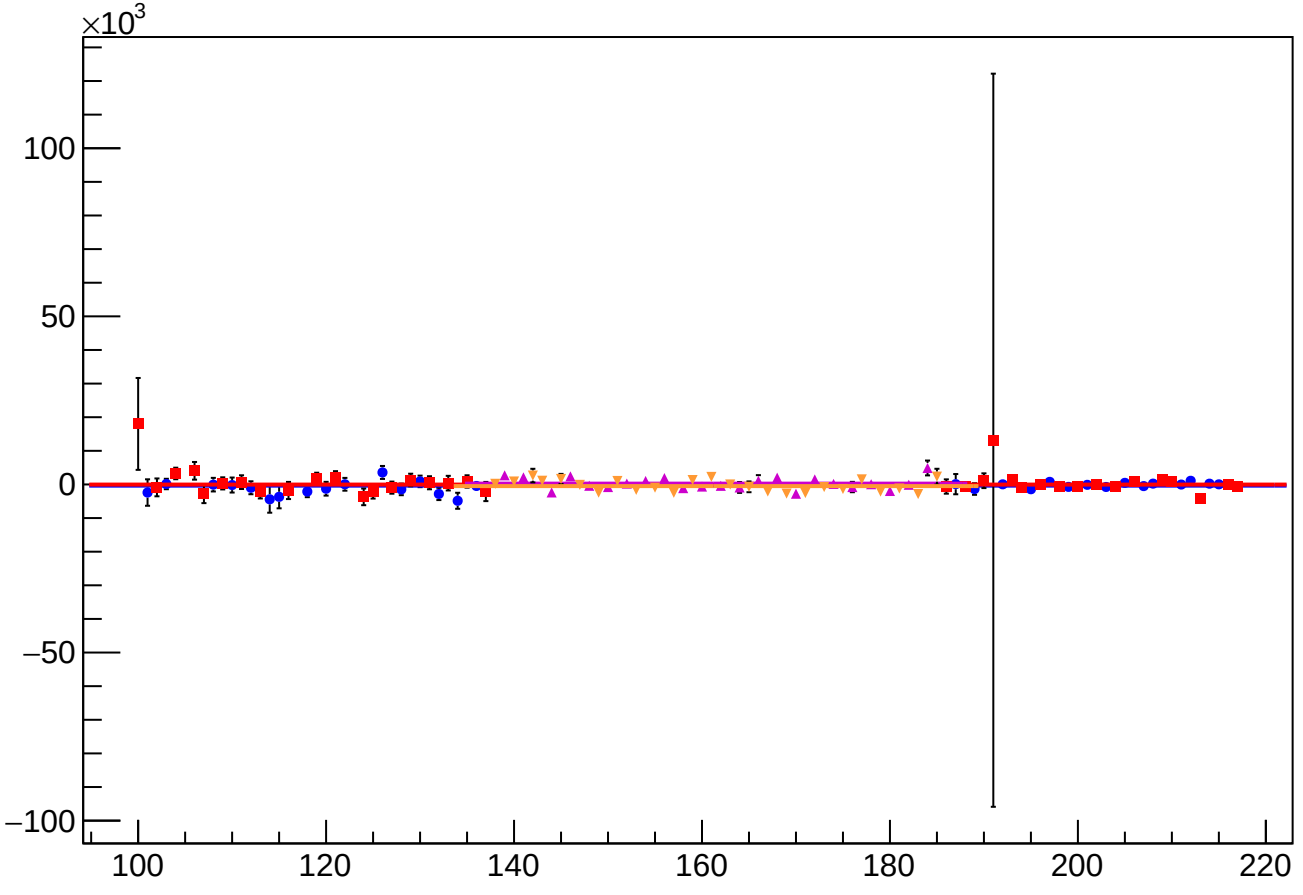
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 305.021+/-0.042 χ^2/NDF: 24645734.9/55

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -352.361+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.237+/-286.290 χ^2/NDF: 32.0/35

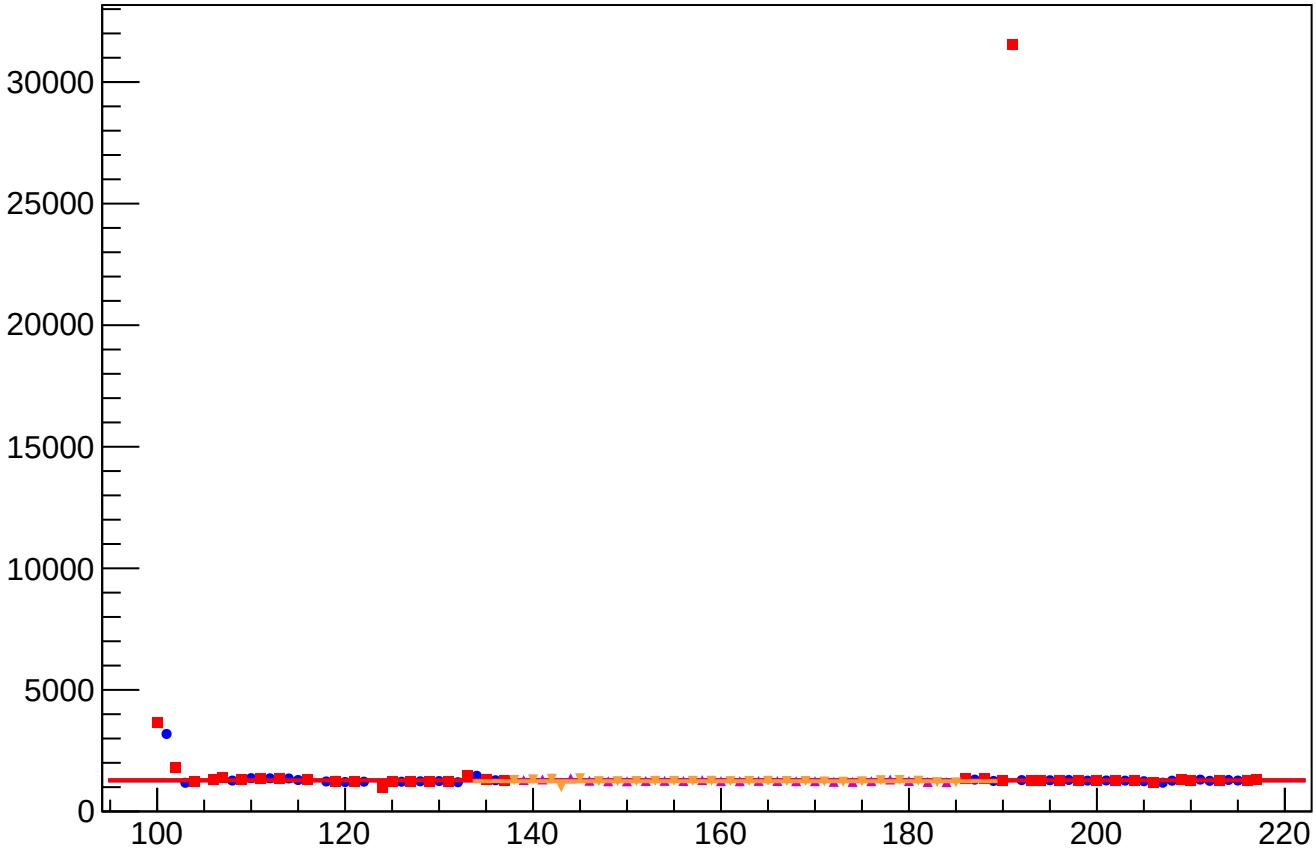
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -425.366+/-203.390 χ^2/NDF: 52.5/55

All: -166.287+/-144.463 χ^2/NDF: 119.0/114

- sign 97.485+/-205.224 χ^2/NDF: 63.2/58

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

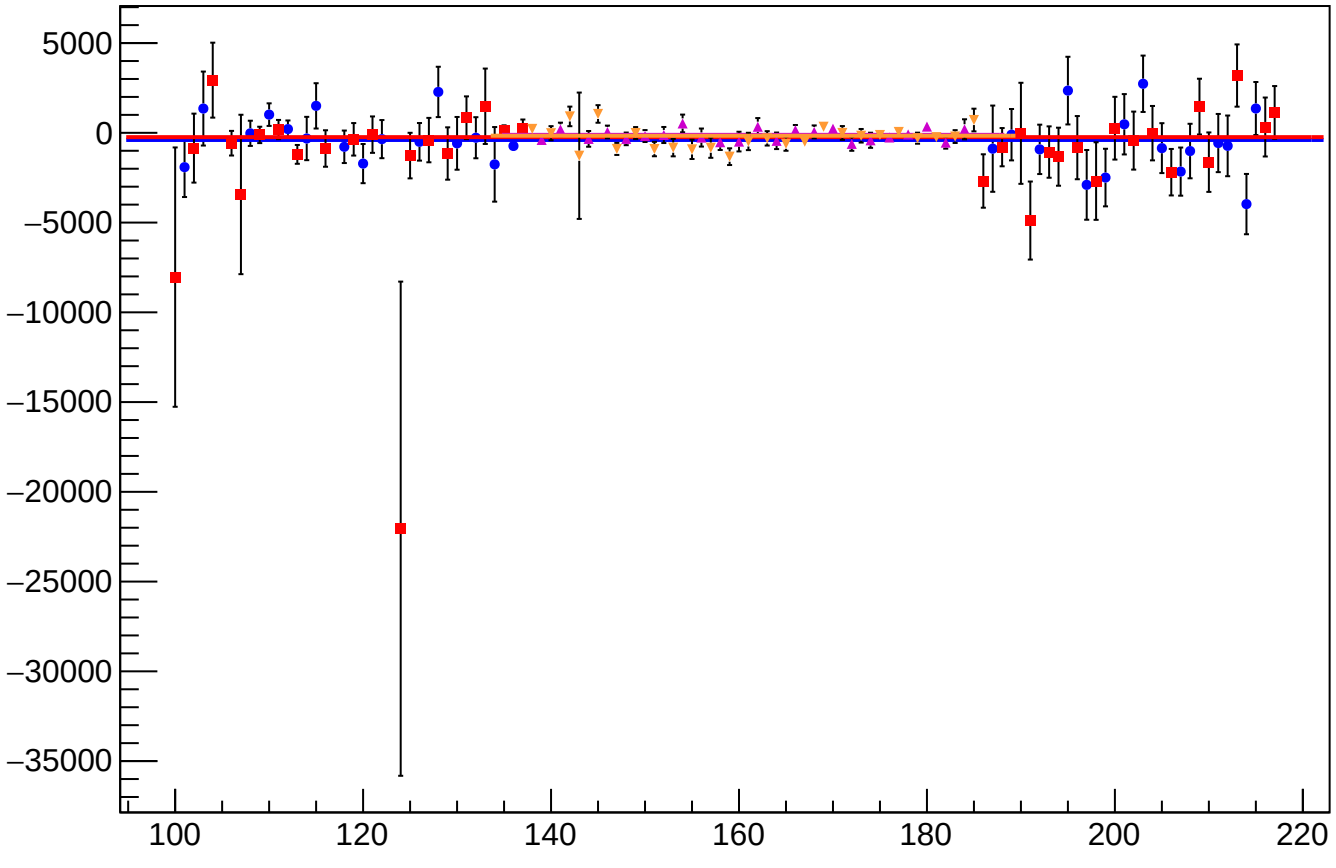
Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.072+/-0.144 χ^2/NDF: 670965.4/55

All: 1265.240+/-0.102 χ^2/NDF: 1097155.8/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.0/58



Right In: -397.642+/-157.039 χ^2/NDF: 36.4/30

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

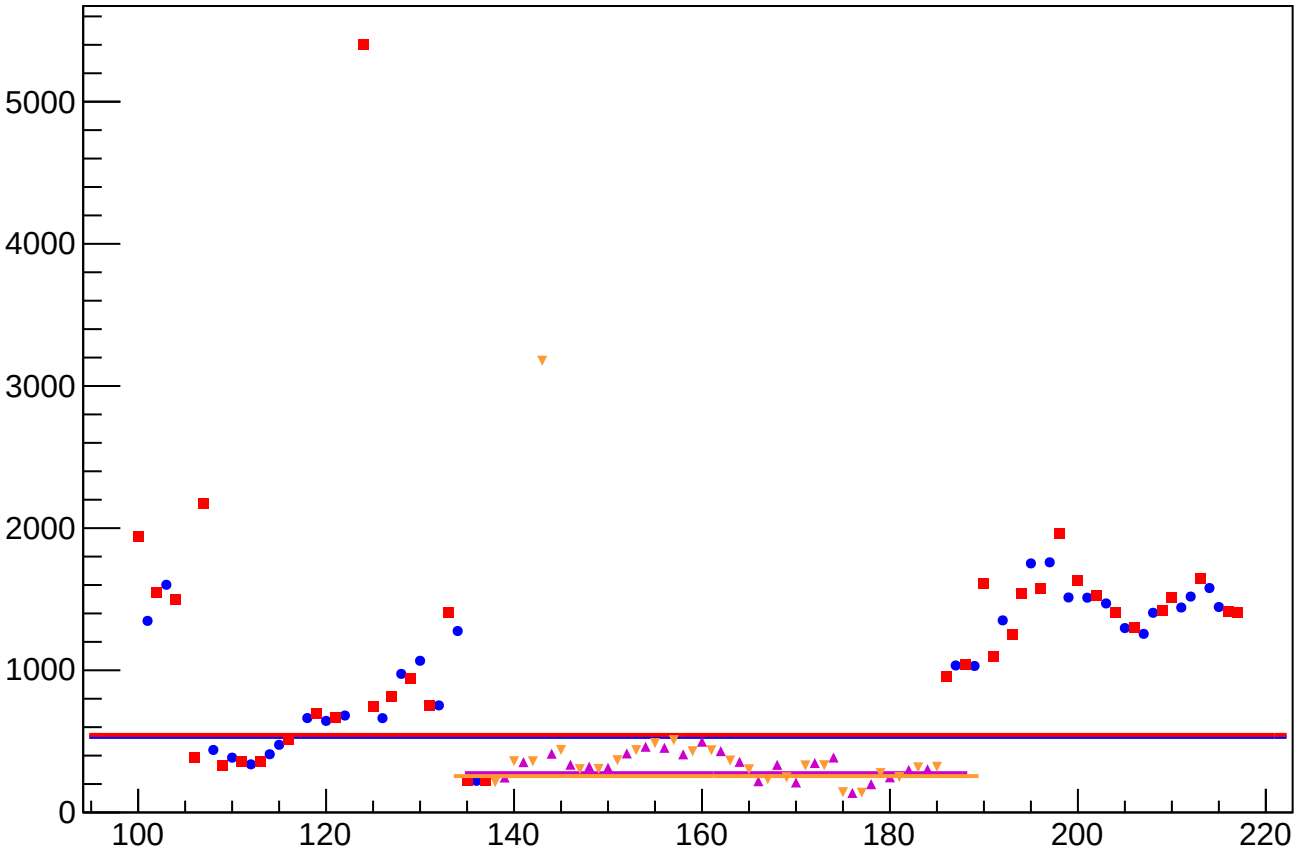
Right Out: -240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -194.765+/-59.372 χ^2/NDF: 82.1/55

All: -166.437+/-43.185 χ^2/NDF: 136.4/114

- sign -134.612+/-62.929 χ^2/NDF: 53.8/58



Right In: 531.606+/-0.111 χ^2/NDF: 15407600.6/30

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

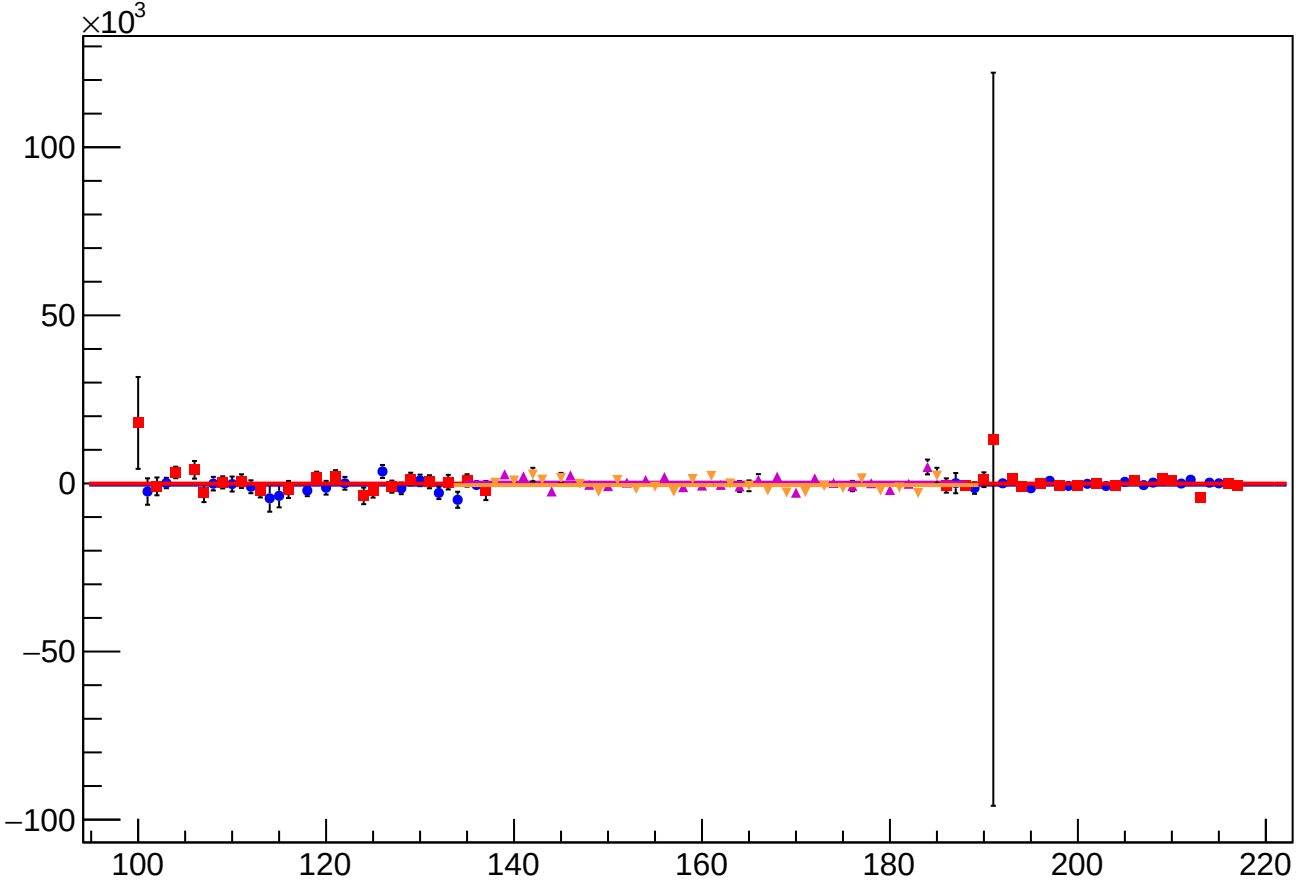
Right Out: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 295.197+/-0.042 χ^2/NDF: 27070061.9/55

All: 307.146+/-0.031 χ^2/NDF: 52657179.7/11

- sign 320.570+/-0.044 χ^2/NDF: 25415095.5/58



Right In: -352.360+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.236+/-286.290 χ^2/NDF: 32.0/35

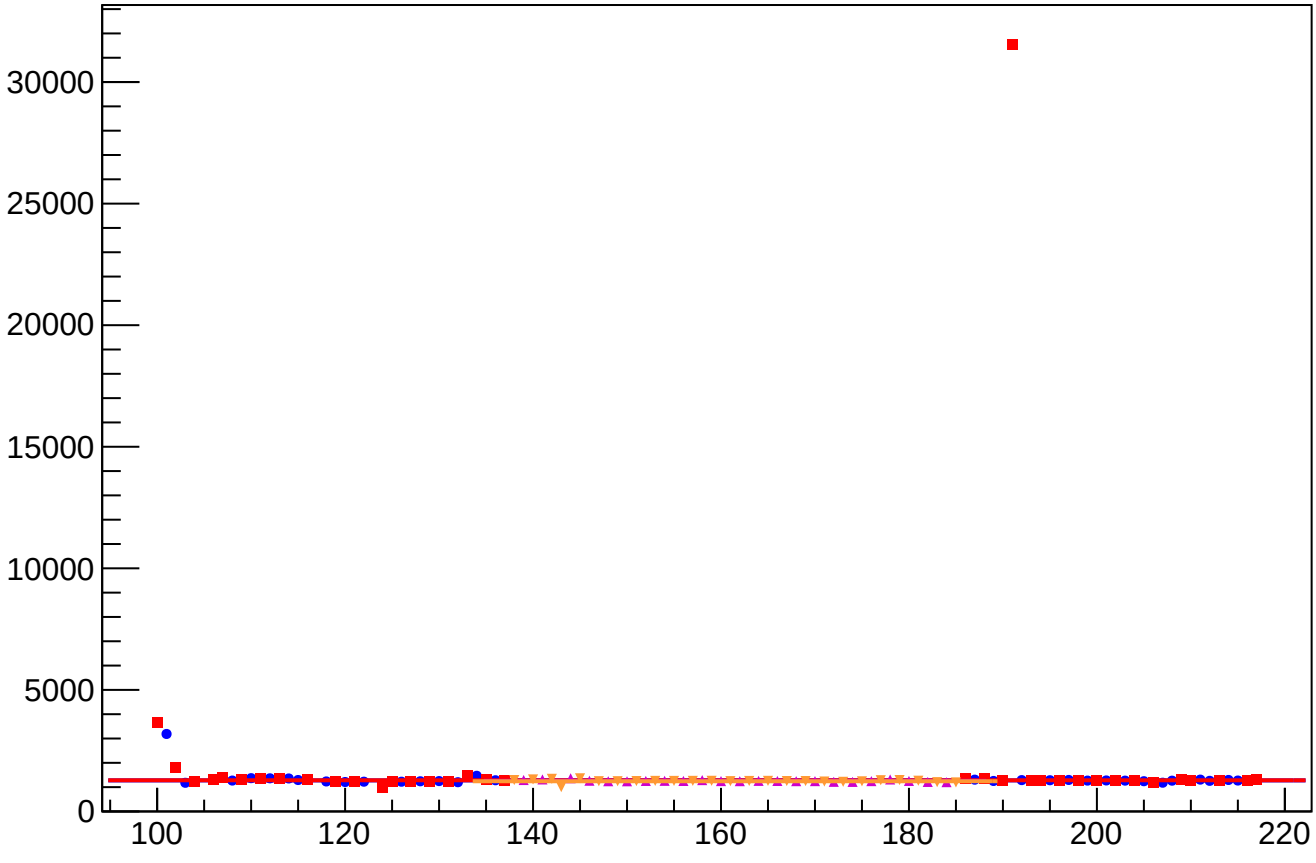
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -425.366+/-203.390 χ^2/NDF: 52.5/55

All: -166.287+/-144.463 χ^2/NDF: 119.0/114

- sign 97.486+/-205.224 χ^2/NDF: 63.2/58

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

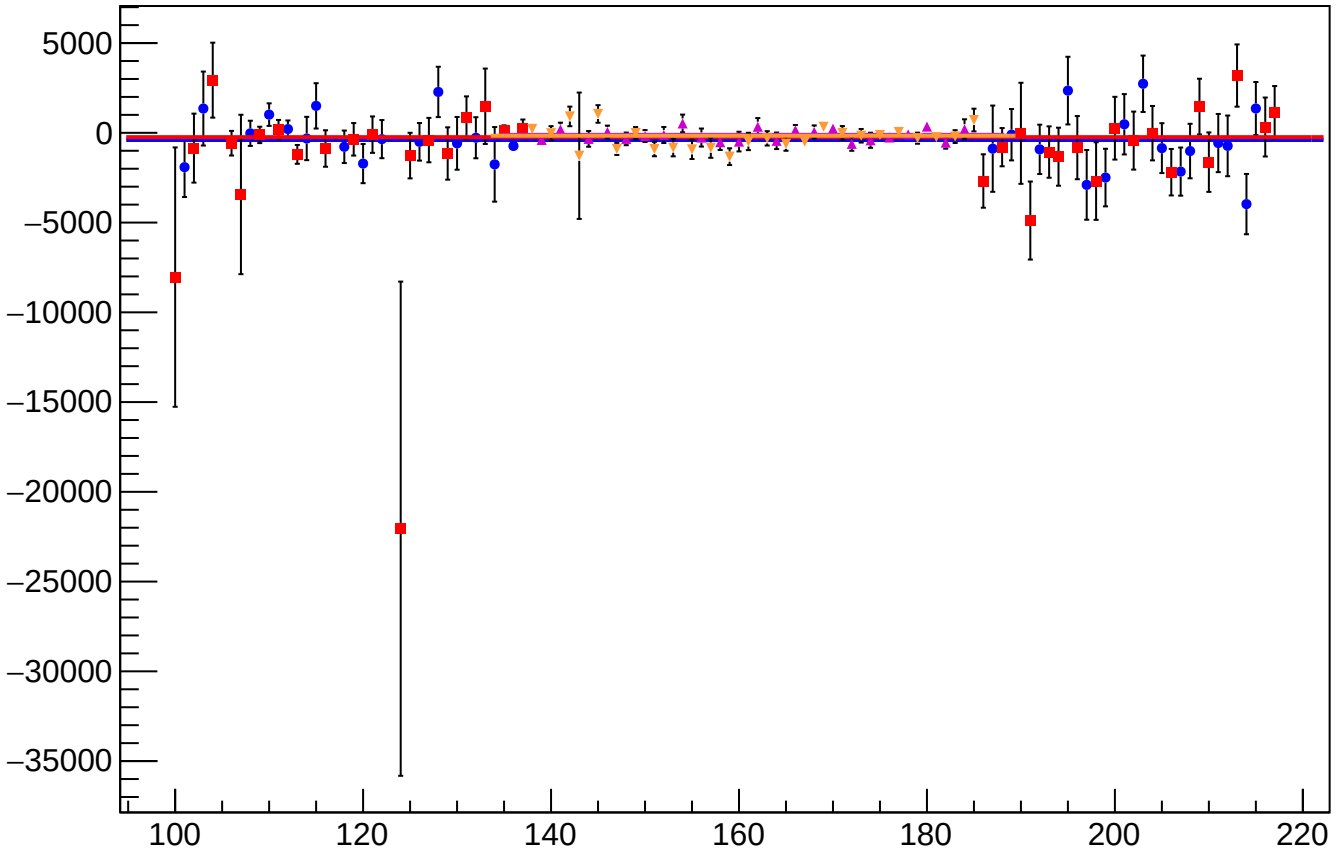
Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.072+/-0.144 χ^2/NDF: 670964.5/55

All: 1265.240+/-0.102 χ^2/NDF: 1097155.3/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.4/58



Right In: -397.643+/-157.041 χ^2/NDF: 36.4/30

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

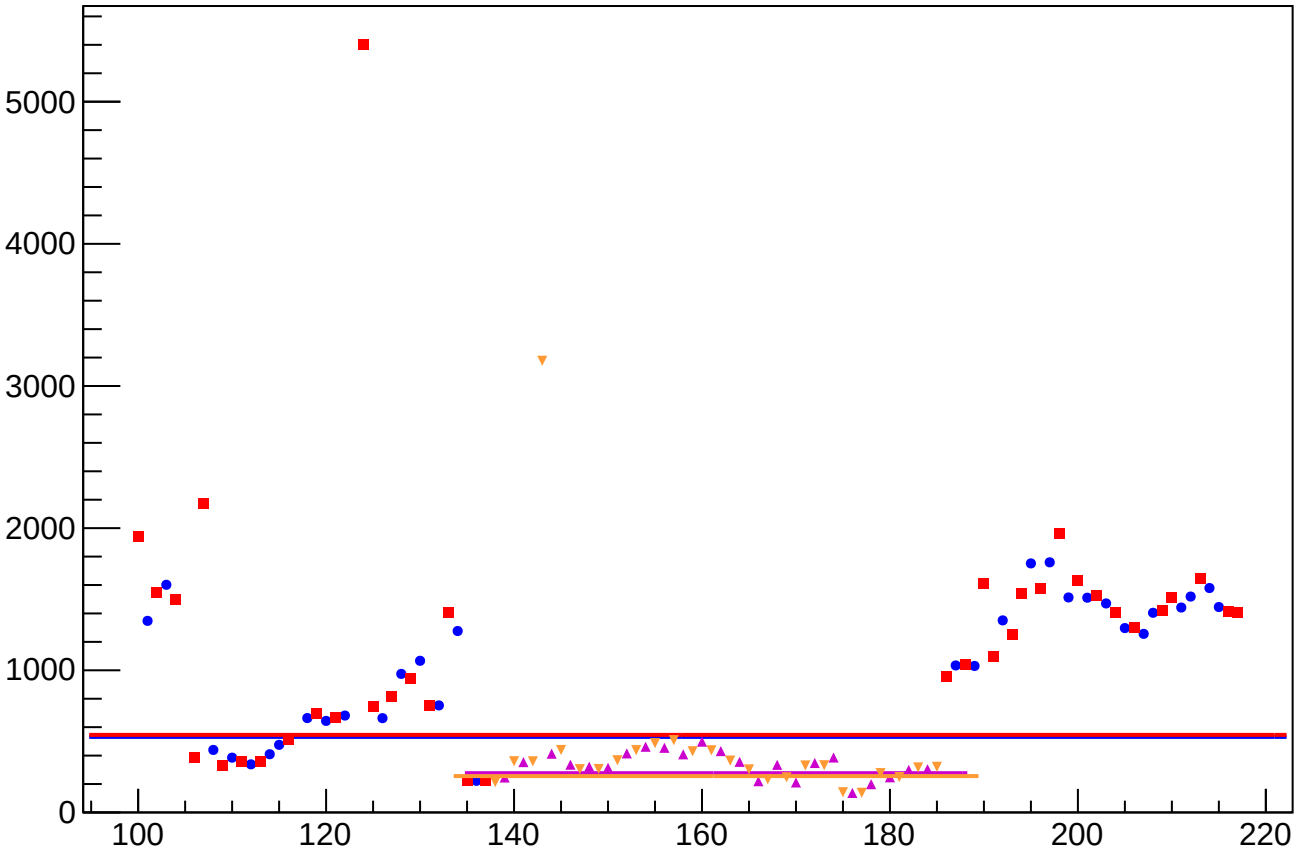
Right Out: -240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -194.768+/-59.373 χ^2/NDF: 82.1/55

All: -166.438+/-43.186 χ^2/NDF: 136.4/114

- sign -134.611+/-62.930 χ^2/NDF: 53.8/58



Right In: 531.619+/-0.111 χ^2/NDF: 15407153.4/30

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

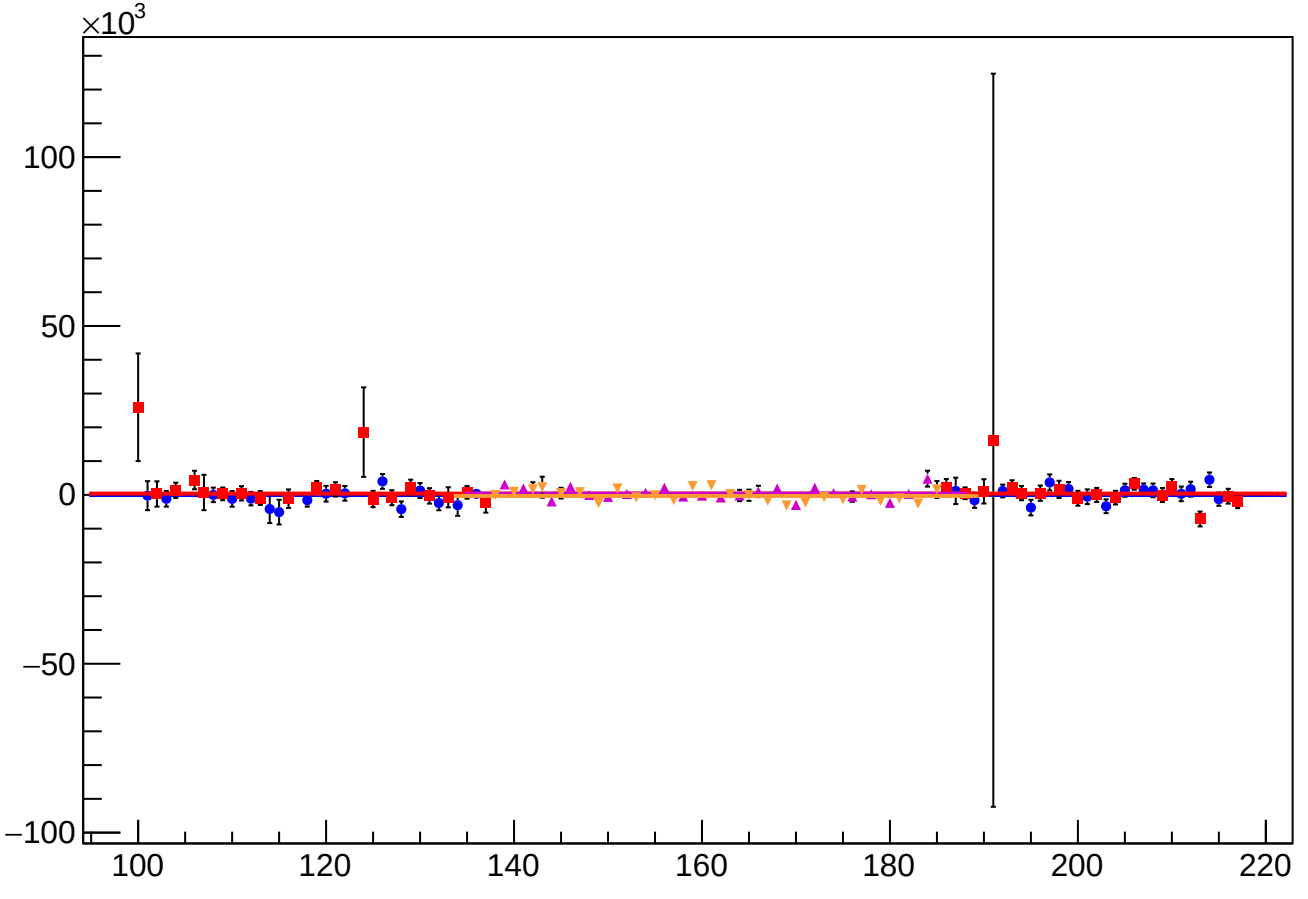
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 295.199+/-0.042 χ^2/NDF: 27069824.7/55

All: 307.148+/-0.031 χ^2/NDF: 52656807.6/11

- sign 320.571+/-0.044 χ^2/NDF: 25414974.5/58

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -46.625+/-394.422 χ^2/NDF: 30.2/30

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 376.597+/-389.381 χ^2/NDF: 30.7/35

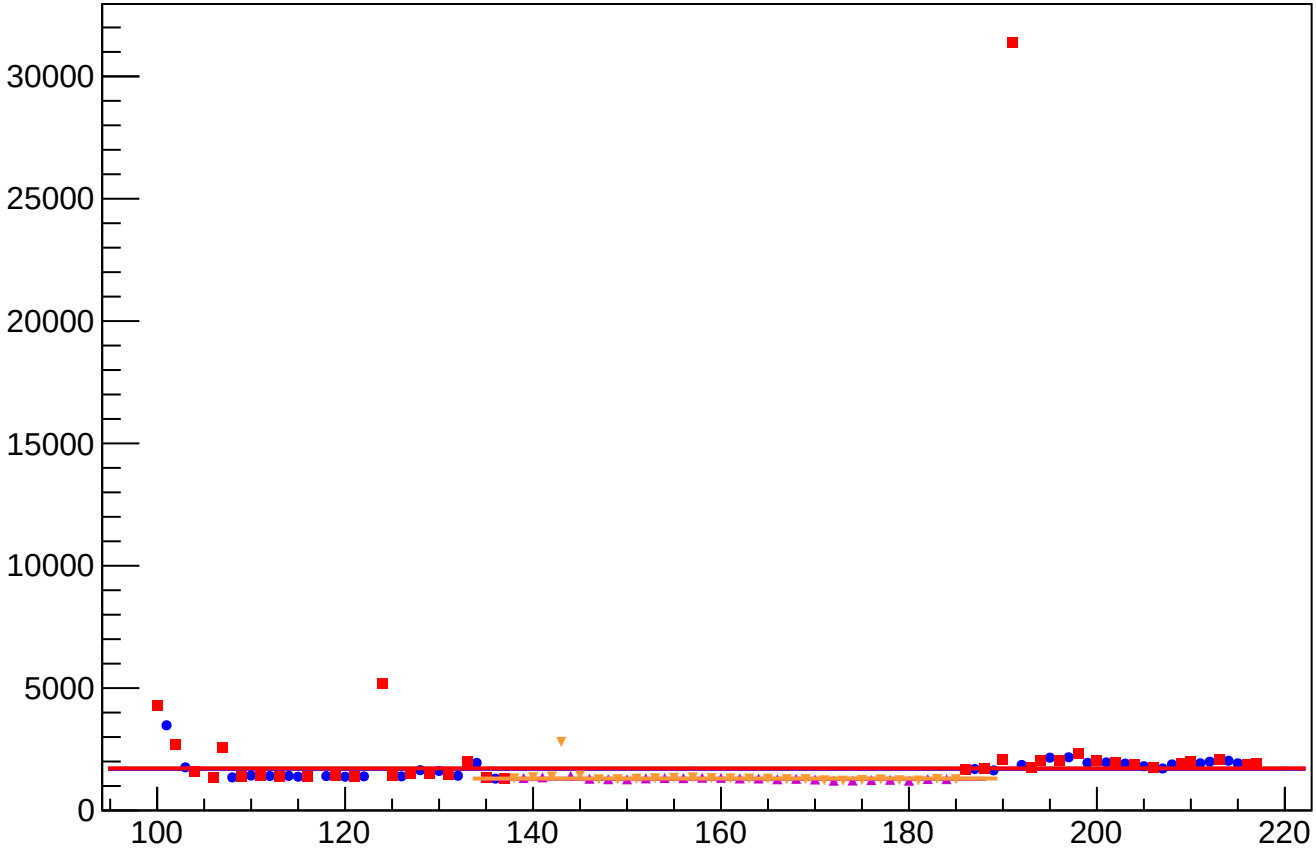
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -220.379+/-237.904 χ^2/NDF: 62.1/55

All: 70.958+/-168.465 χ^2/NDF: 125.5/114

- sign 363.975+/-238.589 χ^2/NDF: 60.4/58

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1701.208+/-0.279 χ^2/NDF: 1279971.3/30

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

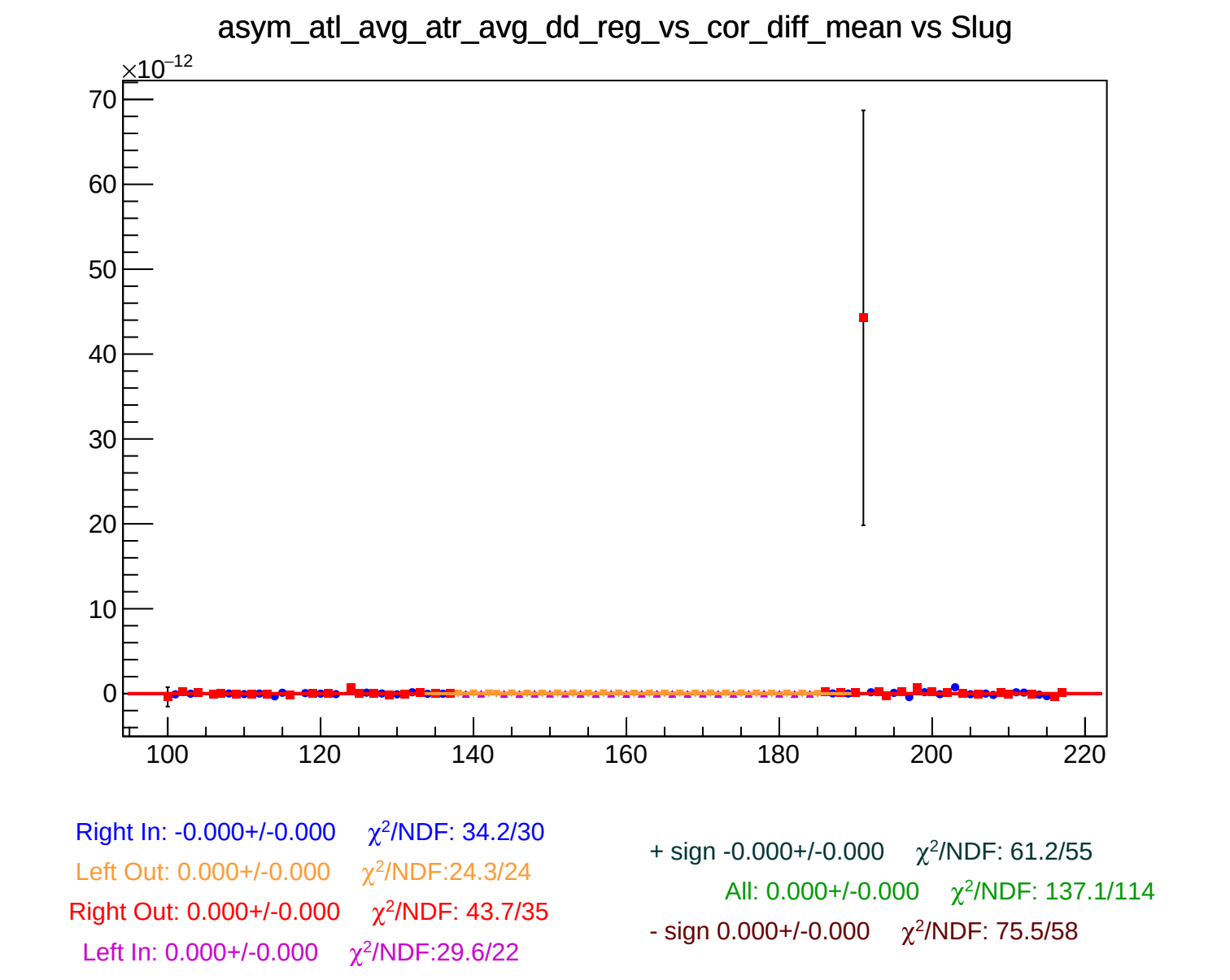
Right Out: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

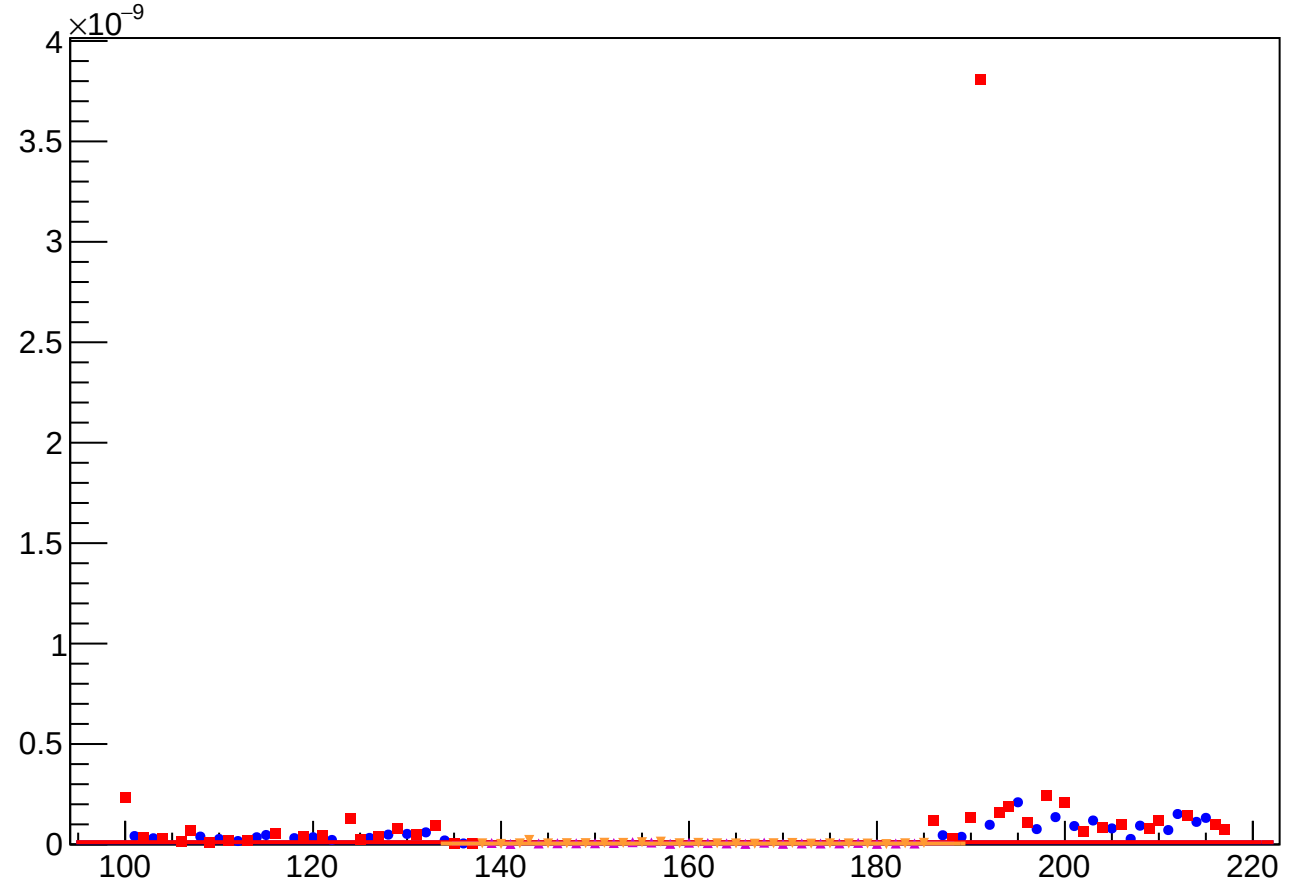
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1448.610+/-0.168 χ^2/NDF: 3088973.2/55

All: 1450.747+/-0.119 χ^2/NDF: 6185462.2/11

- sign 1452.897+/-0.169 χ^2/NDF: 3096165.2/58


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 34.2/30
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.7/35
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 61.2/55
All: 0.000+/-0.000 χ²/NDF: 137.1/114
- sign 0.000+/-0.000 χ²/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10219502.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

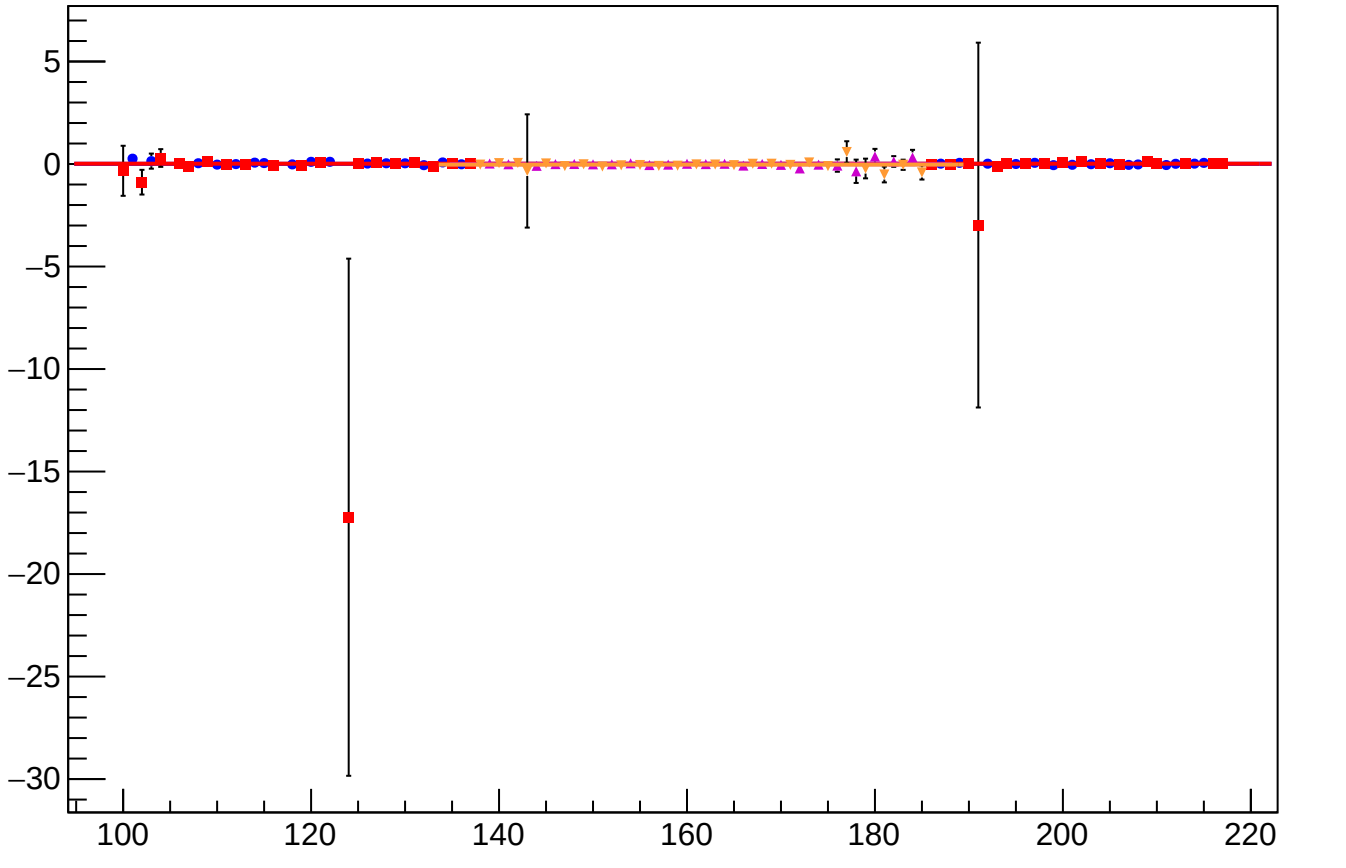
Right Out: 0.000+/-0.000 χ^2/NDF: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14253003.6/55

All: 0.000+/-0.000 χ^2/NDF: 29753204.9/114

- sign 0.000+/-0.000 χ^2/NDF: 15473714.8/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

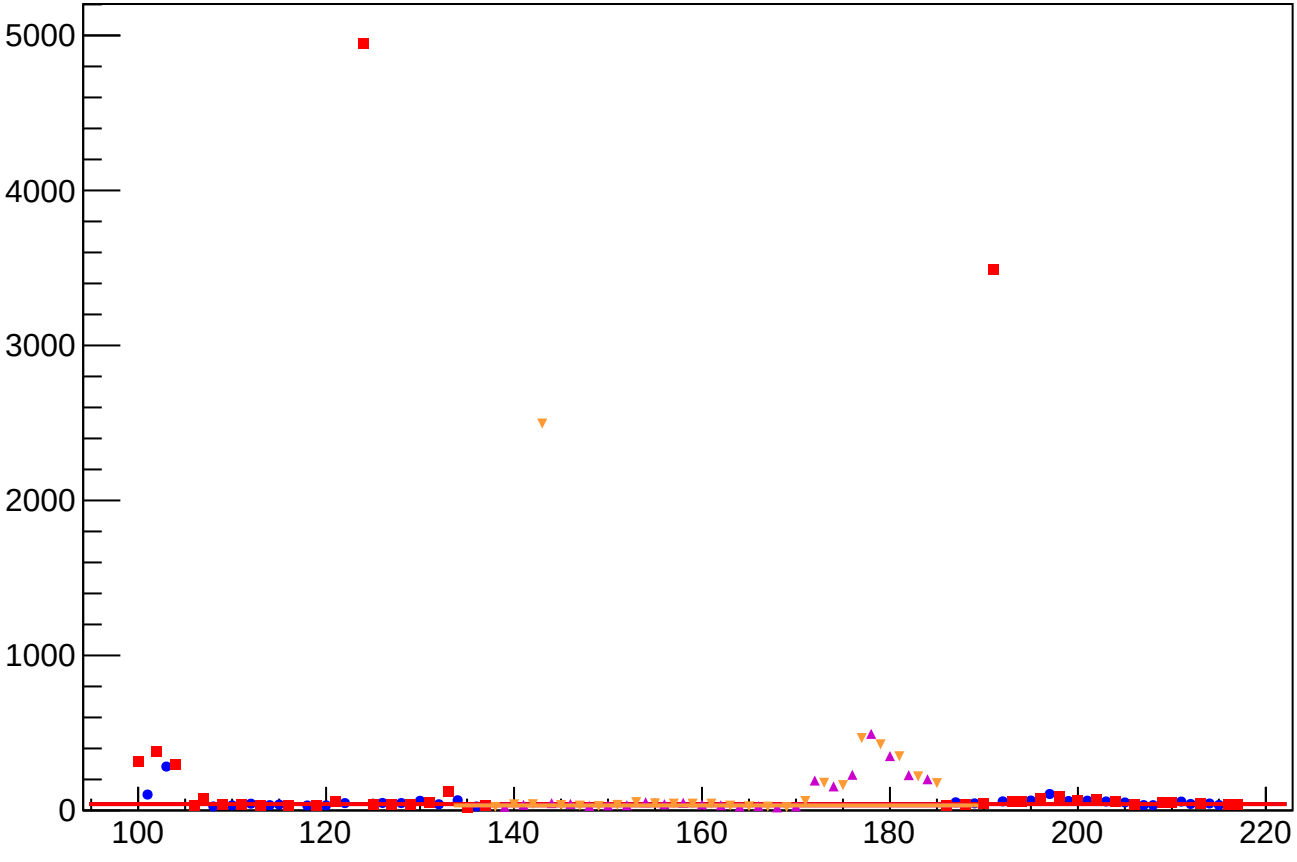
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

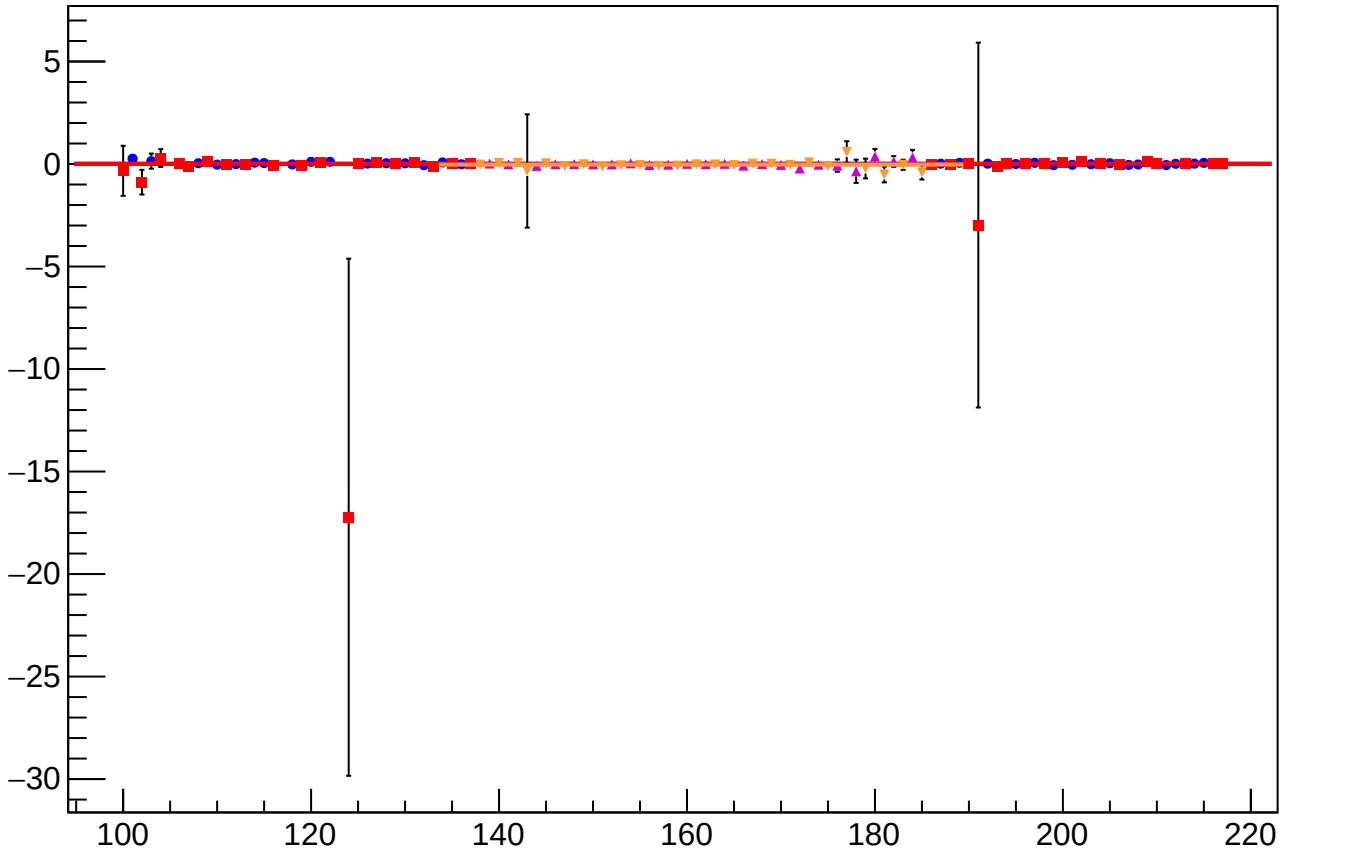
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922736.6/55

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

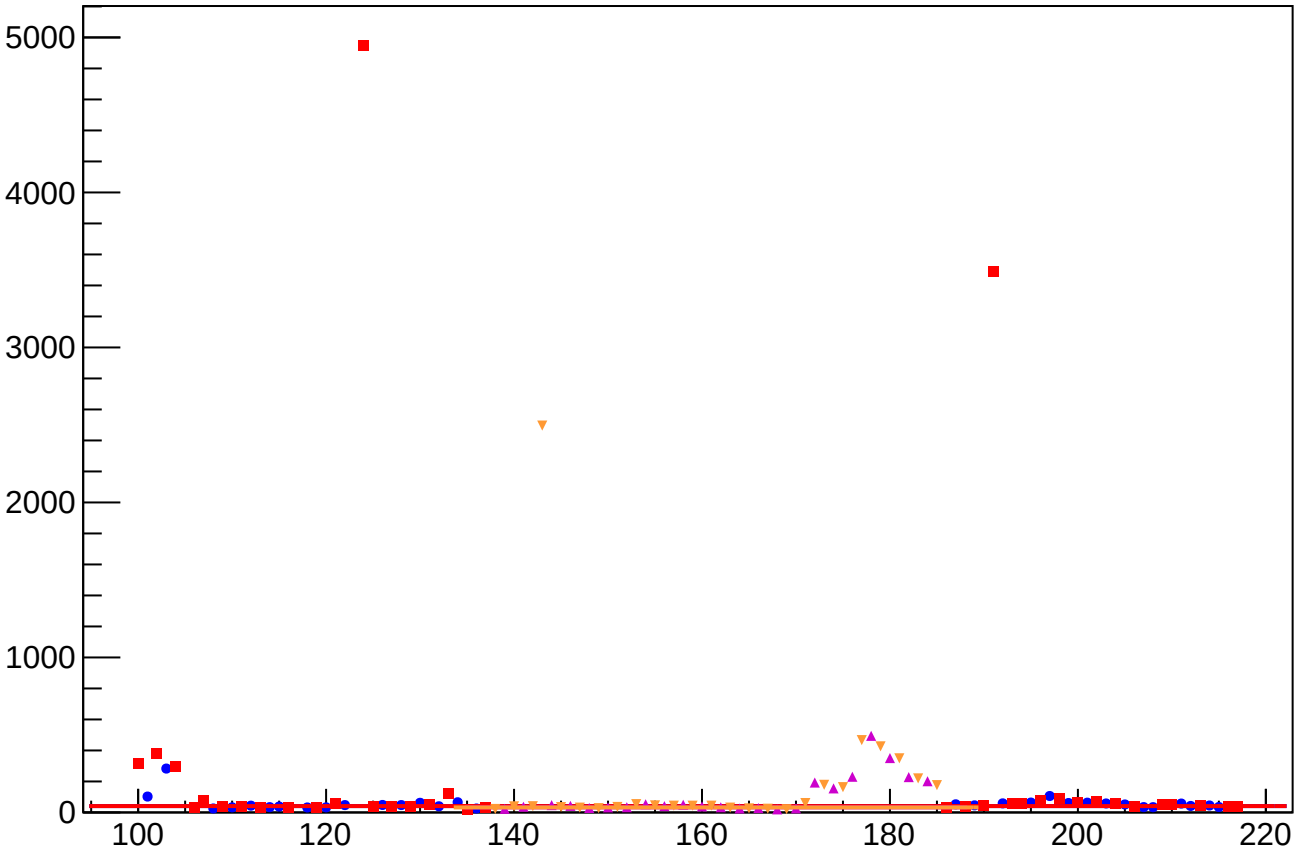
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

\- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

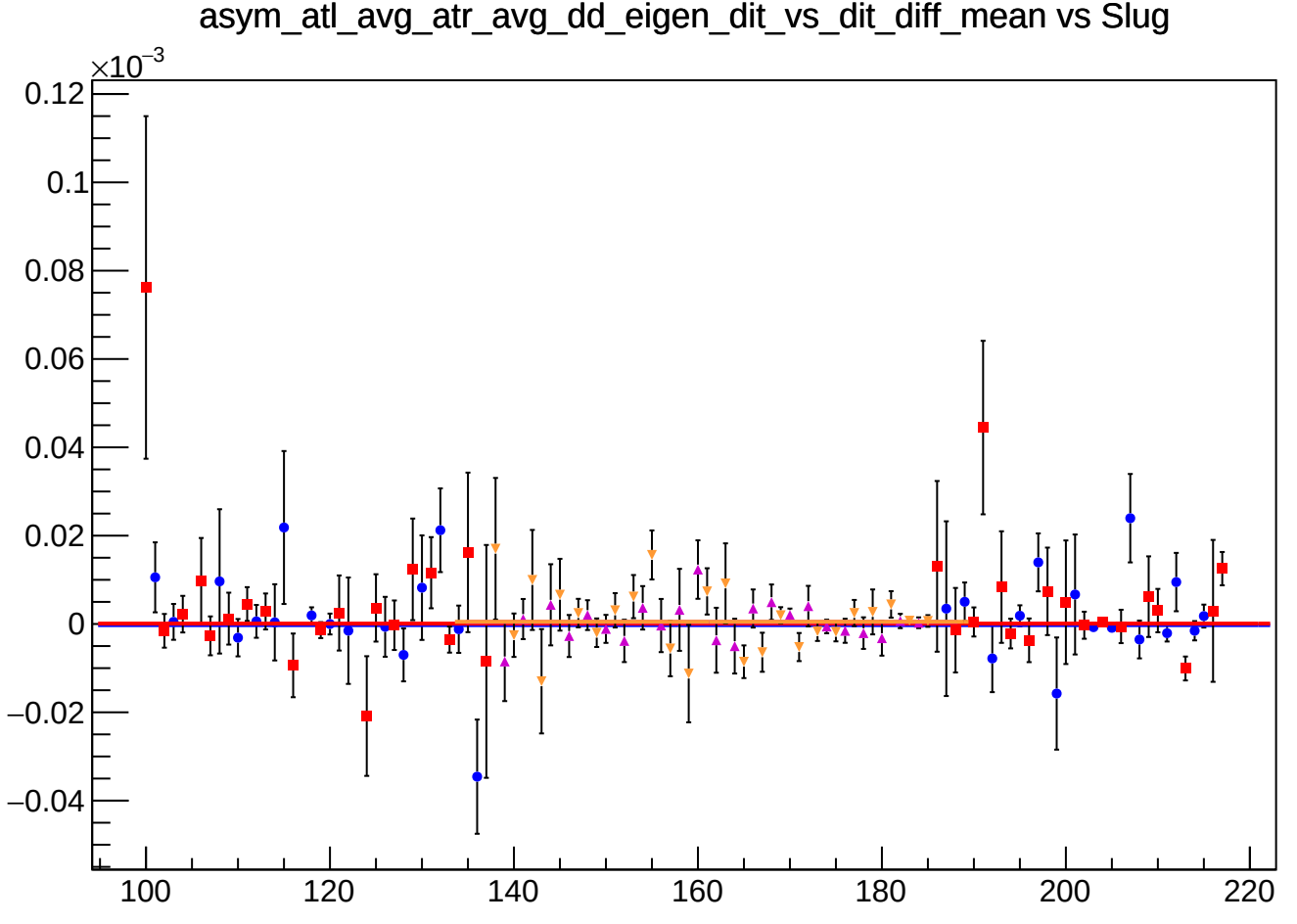
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922736.6/55

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

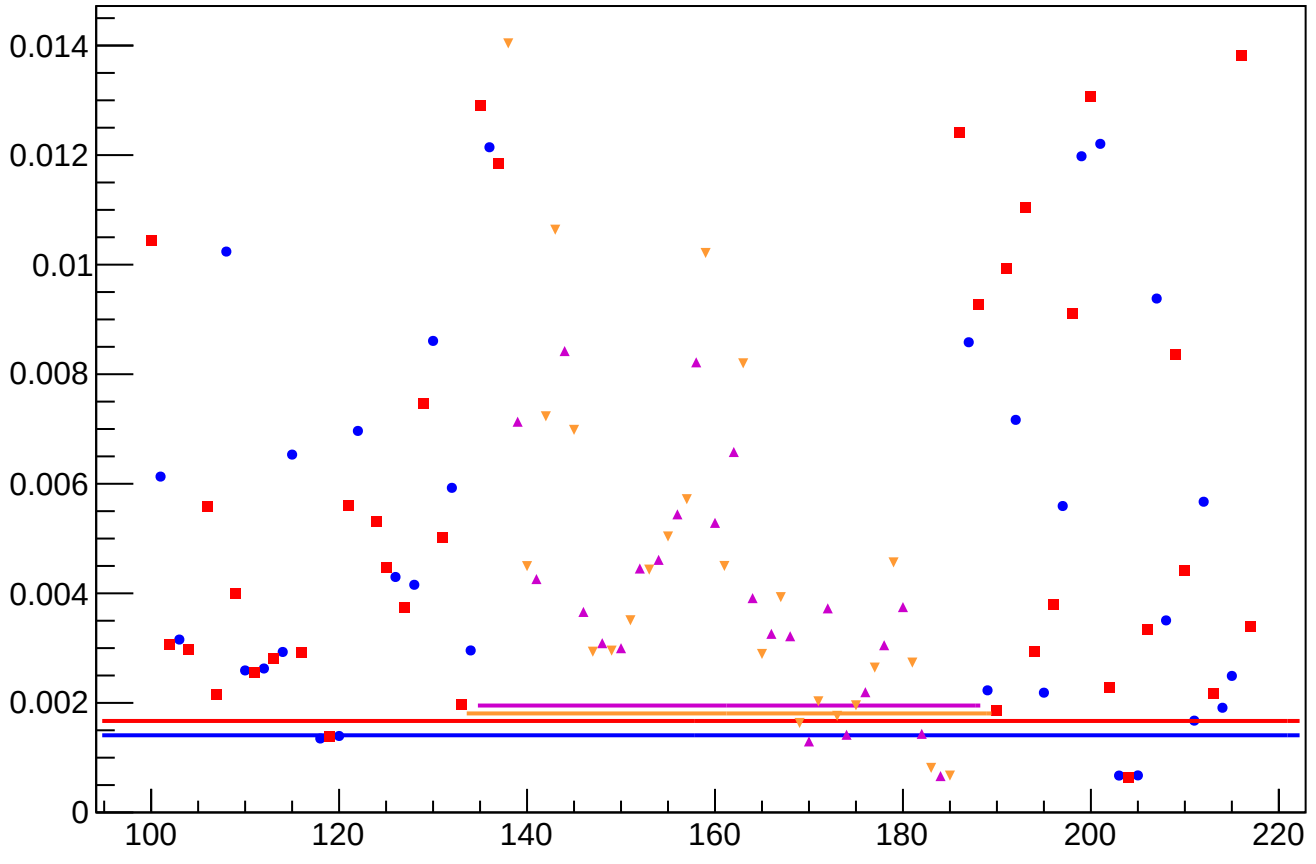
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.7/55

All: 0.000+/-0.000 χ^2/NDF: 143.7/114

- sign 0.000+/-0.000 χ^2/NDF: 65.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 17302056.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

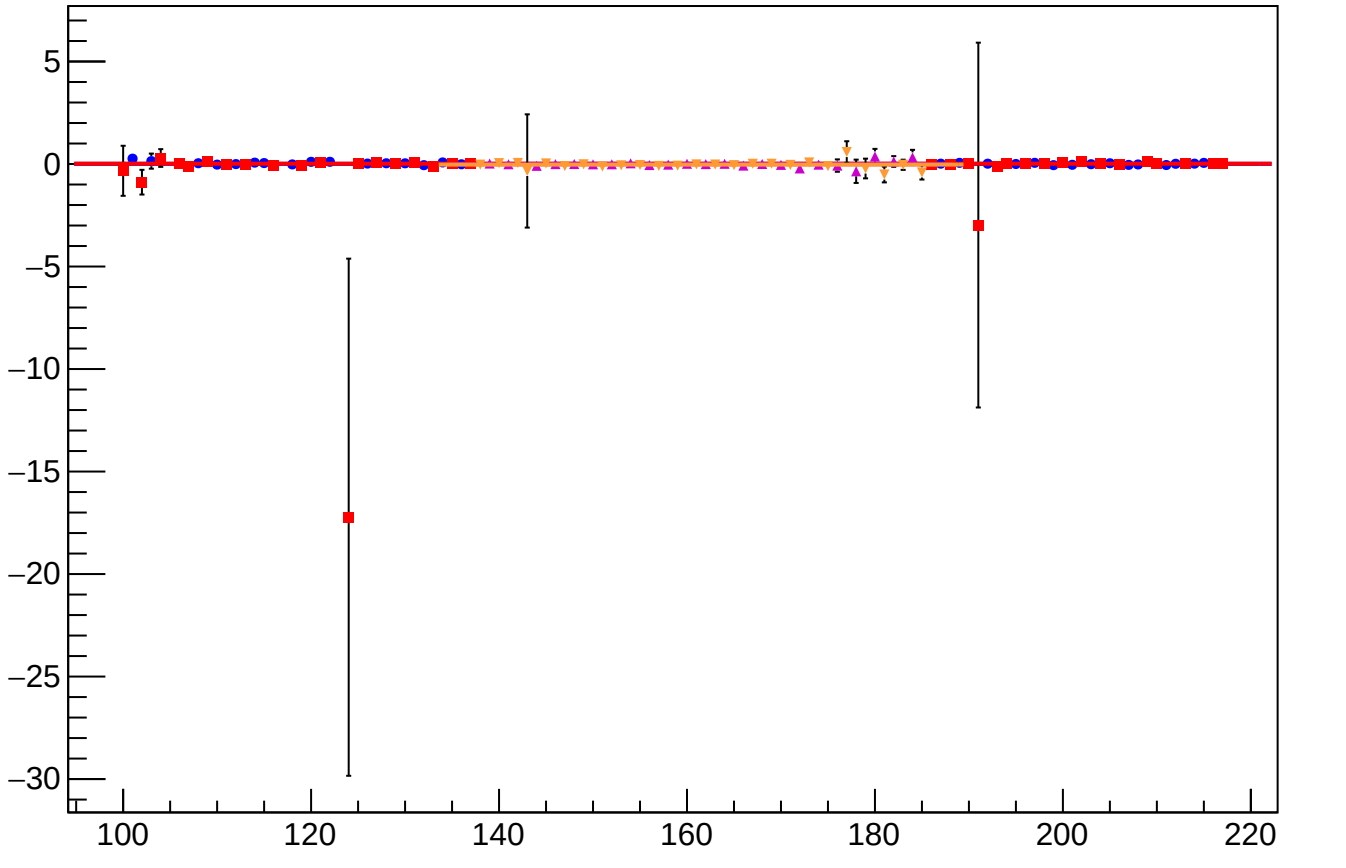
Right Out: 0.002+/-0.000 χ^2/NDF: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 32851733.0/55

All: 0.002+/-0.000 χ^2/NDF: 63771833.6/114

- sign 0.002+/-0.000 χ^2/NDF: 30583031.0/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

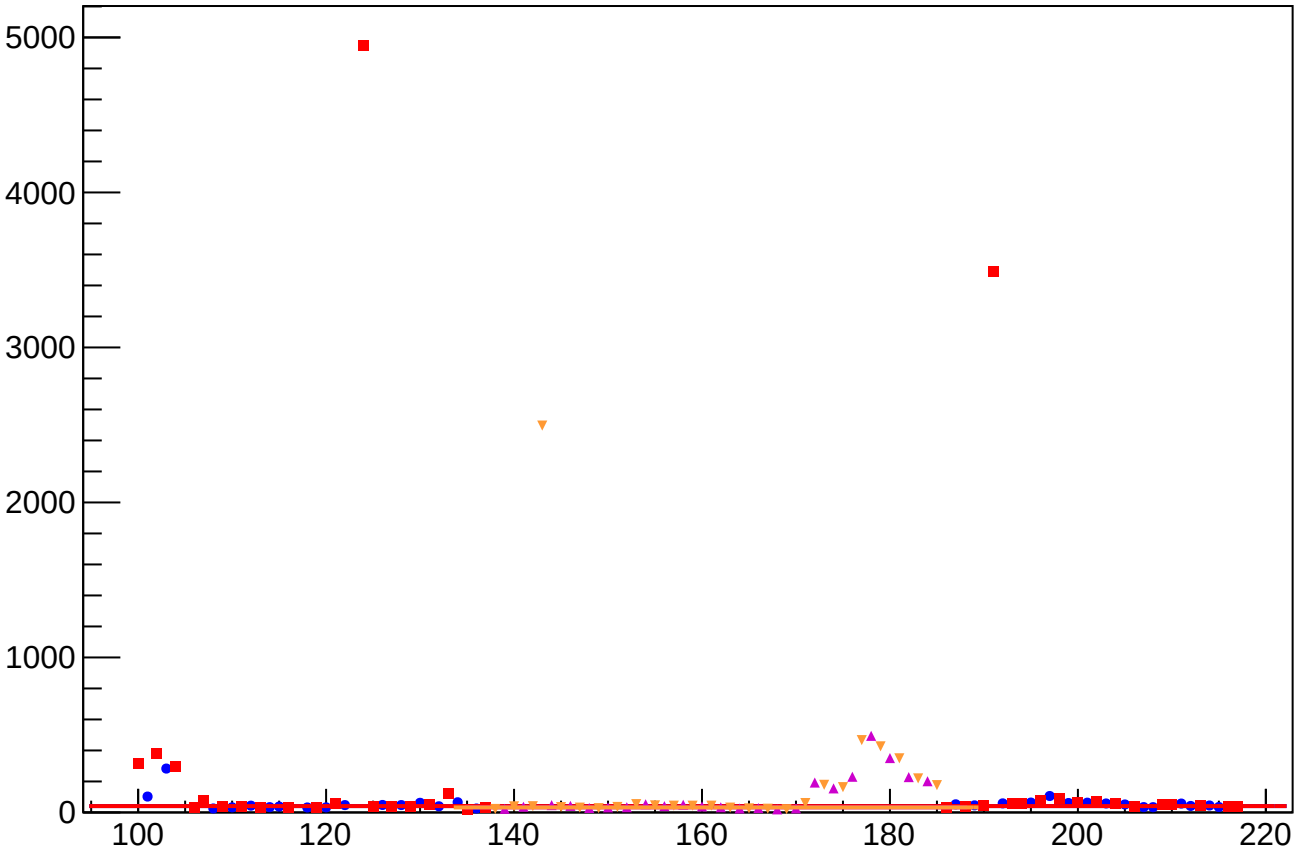
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

\- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

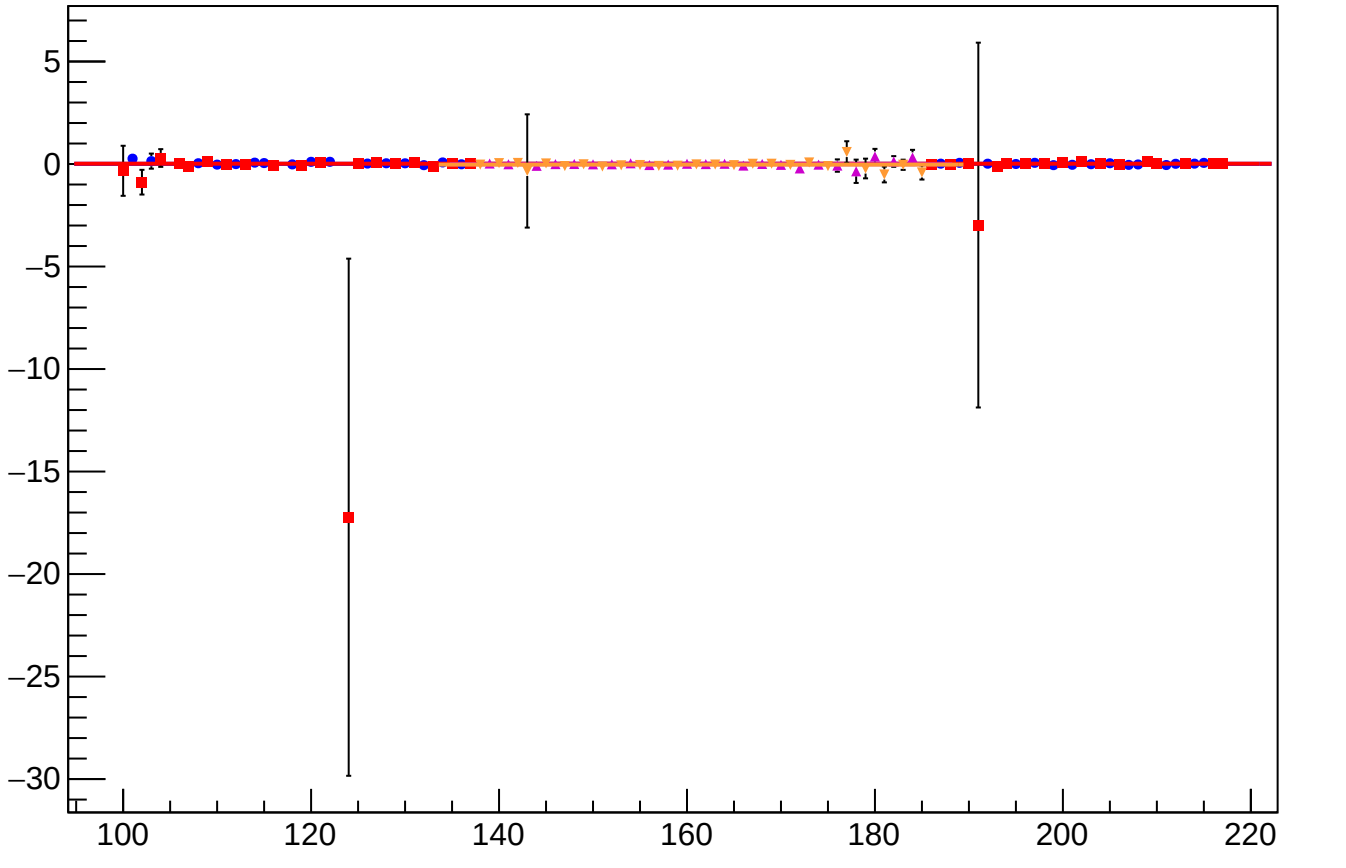
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922704.0/55

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

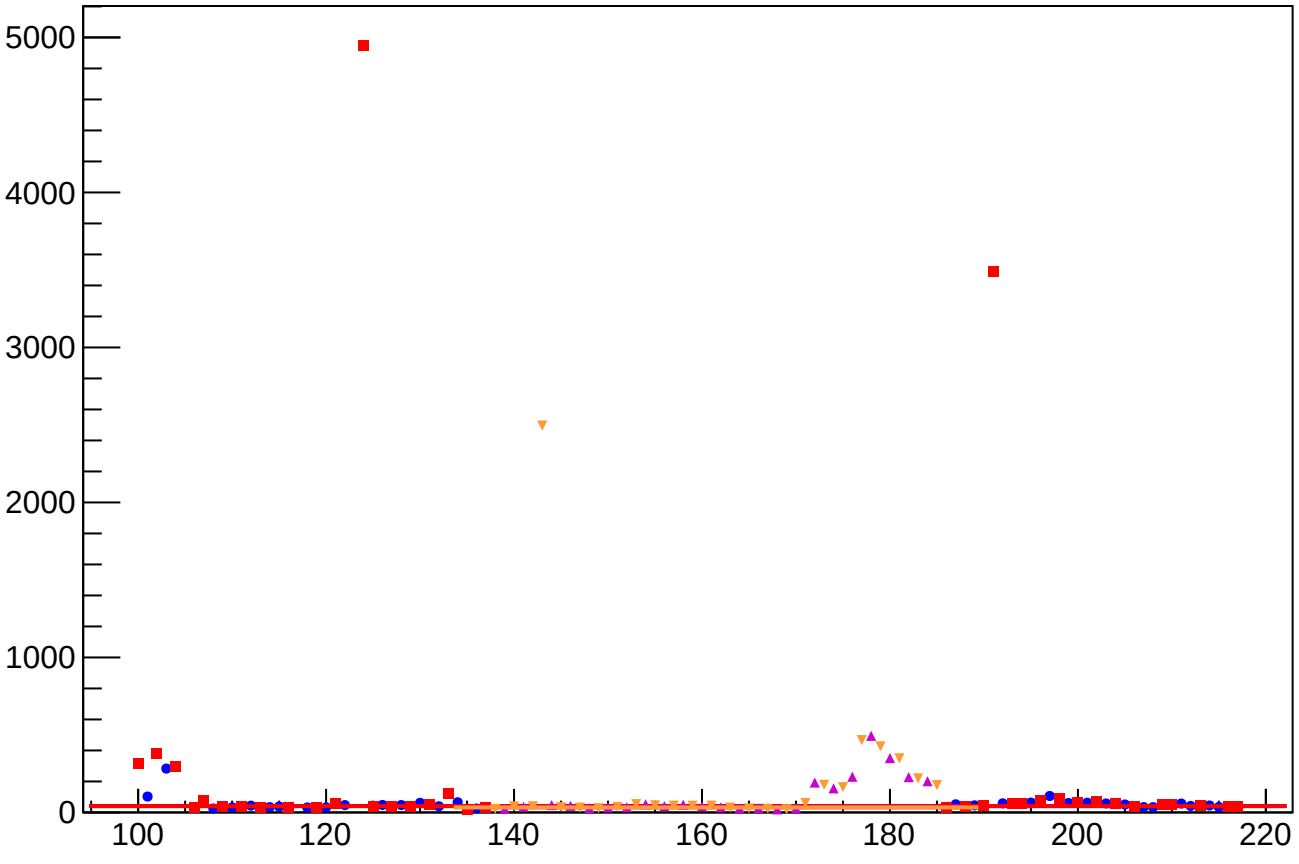
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

\- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

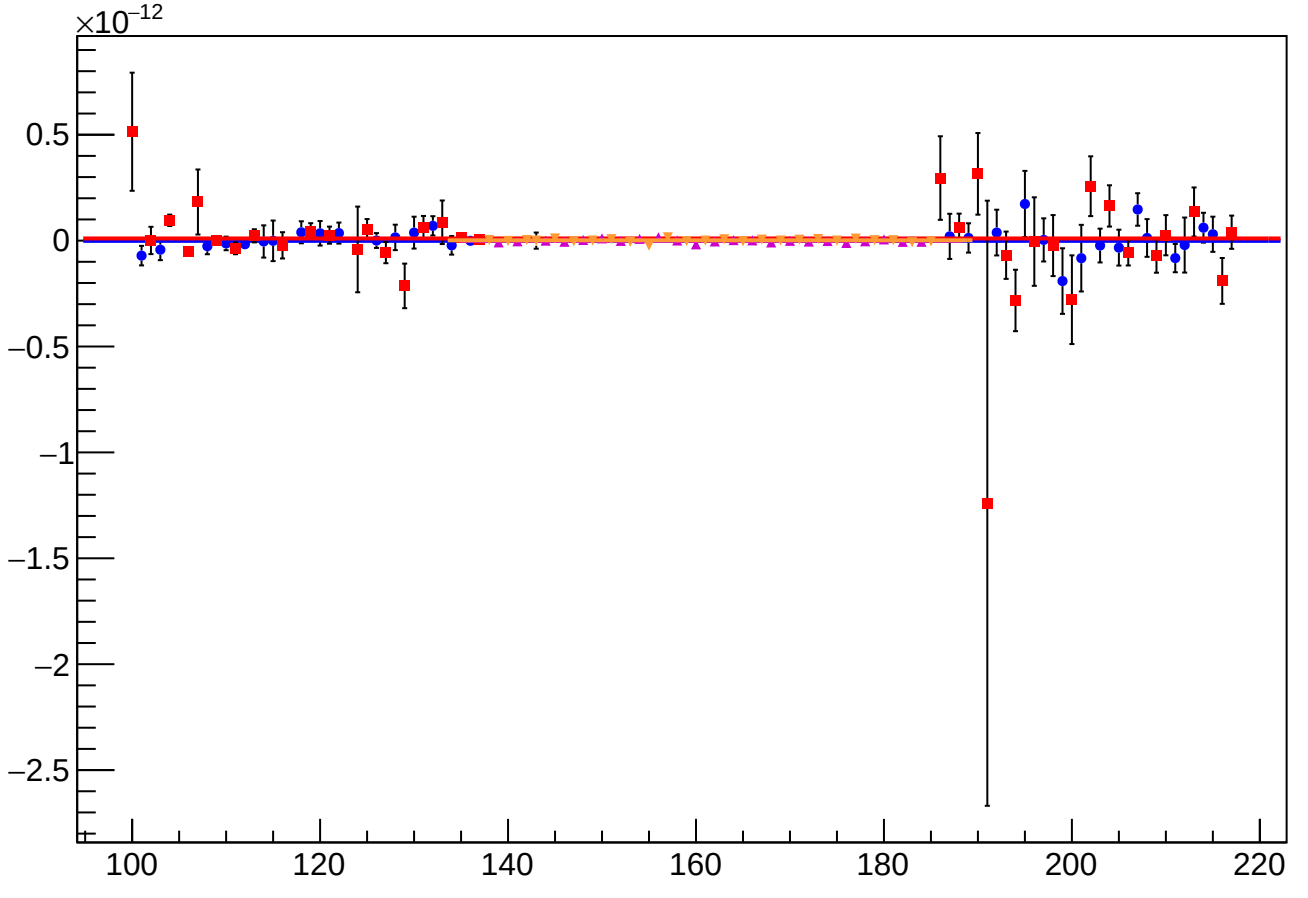
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922704.0/55

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

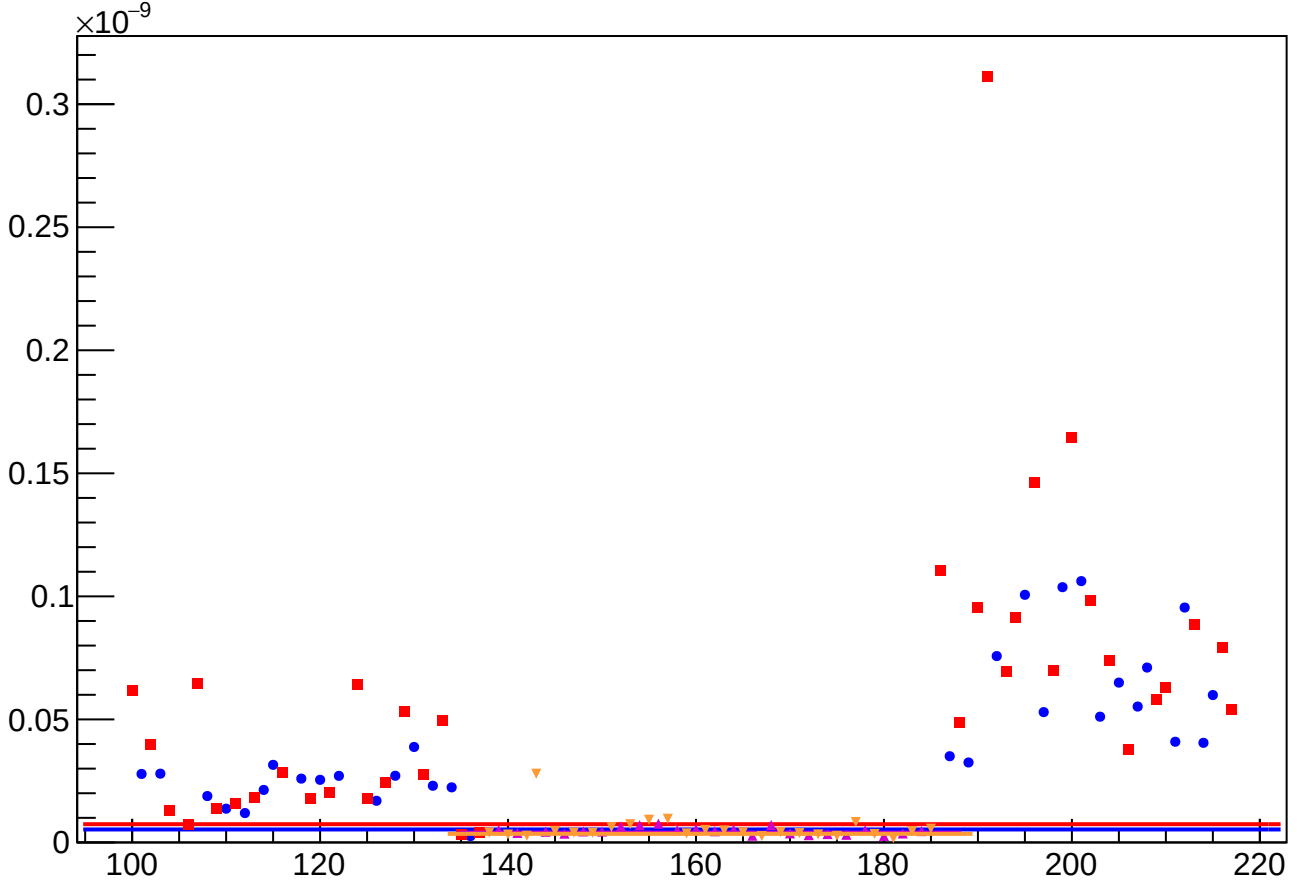
Right Out: 0.000+/-0.000 χ^2/NDF: 65.0/35

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/55

All: 0.000+/-0.000 χ^2/NDF: 138.9/114

- sign -0.000+/-0.000 χ^2/NDF: 100.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 15898013.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17002274.1/35

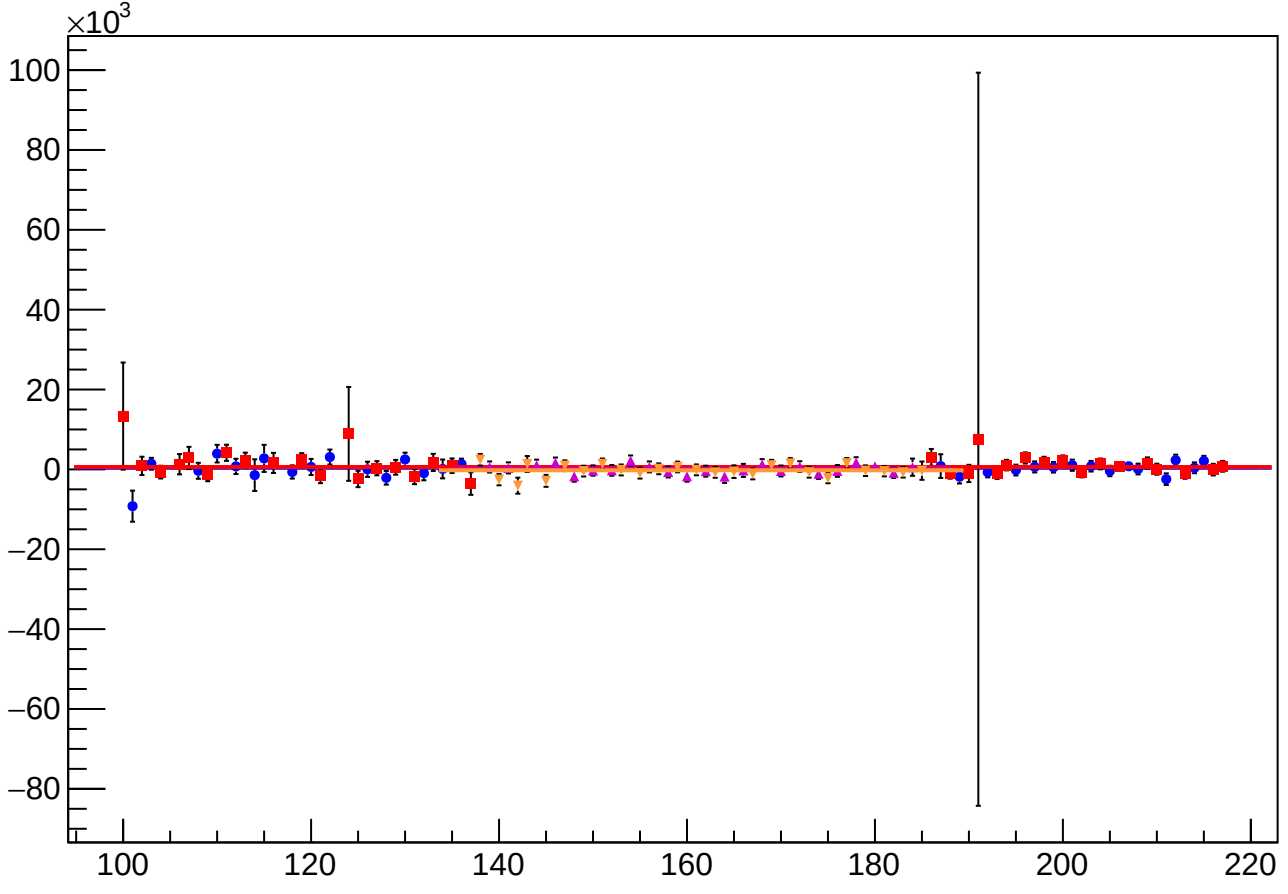
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21090751.1/55

All: 0.000+/-0.000 χ^2/NDF: 41752539.1/114

- sign 0.000+/-0.000 χ^2/NDF: 20372114.2/58

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 411.603+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 592.089+/-283.572 χ^2/NDF: 29.7/35

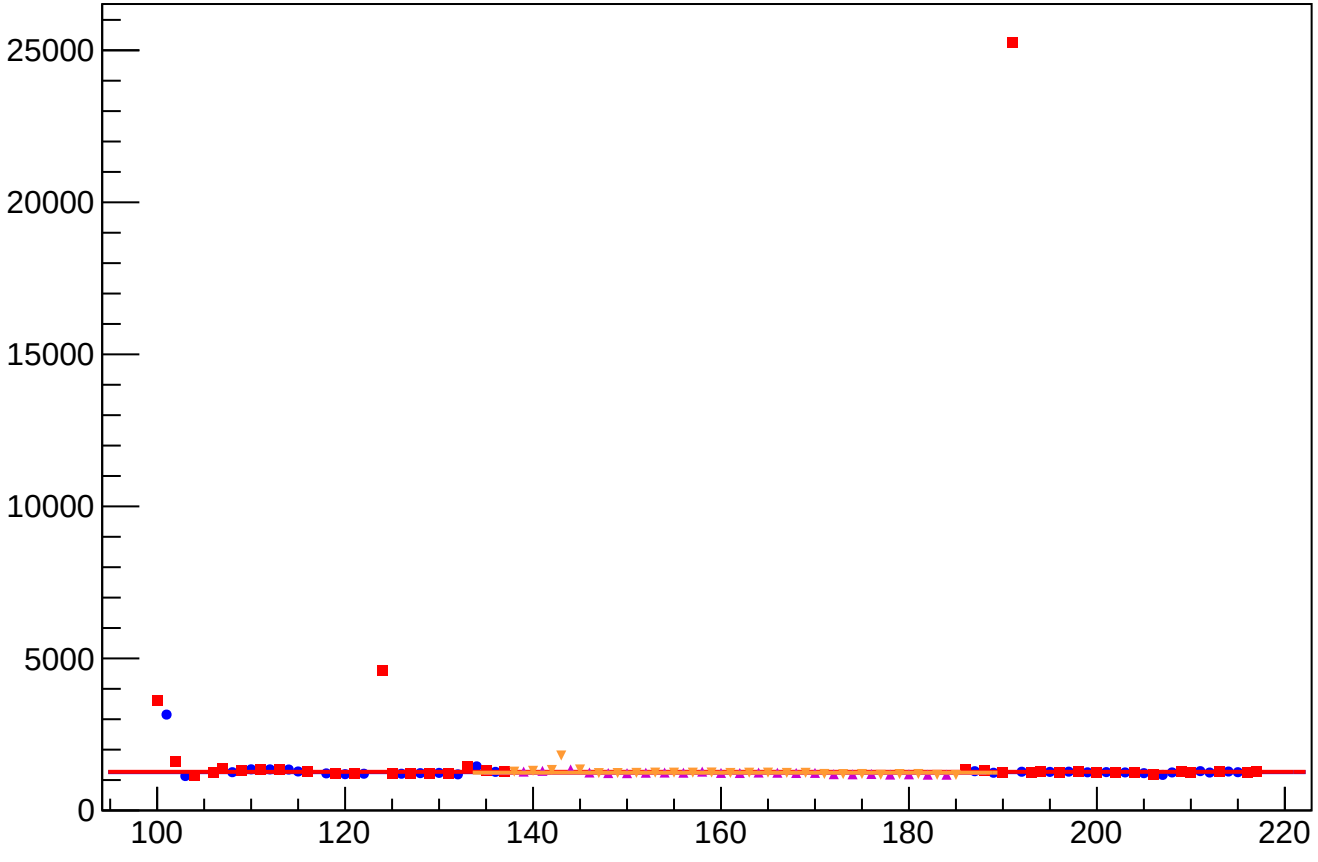
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 88.918+/-202.204 χ^2/NDF: 54.6/55

All: 217.653+/-142.957 χ^2/NDF: 101.3/114

- sign 346.304+/-202.138 χ^2/NDF: 46.0/58

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

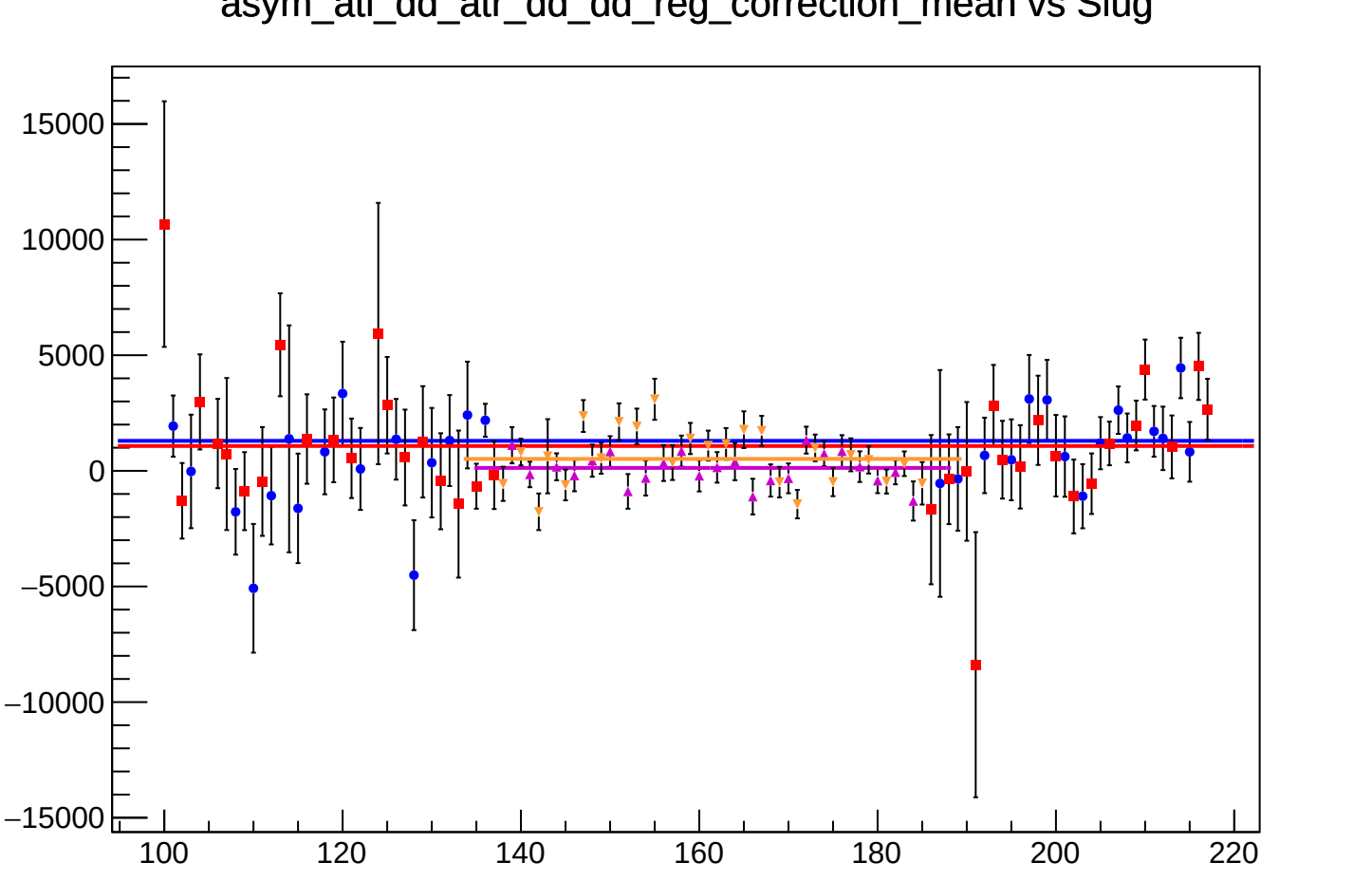
Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742527.4/55

All: 1251.760+/-0.101 χ^2/NDF: 1285443.7/11

- sign 1252.324+/-0.143 χ^2/NDF: 542885.2/58



Right In: 1297.622+/-276.313 χ^2/NDF: 34.5/30

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1075.028+/-283.955 χ^2/NDF: 42.2/35

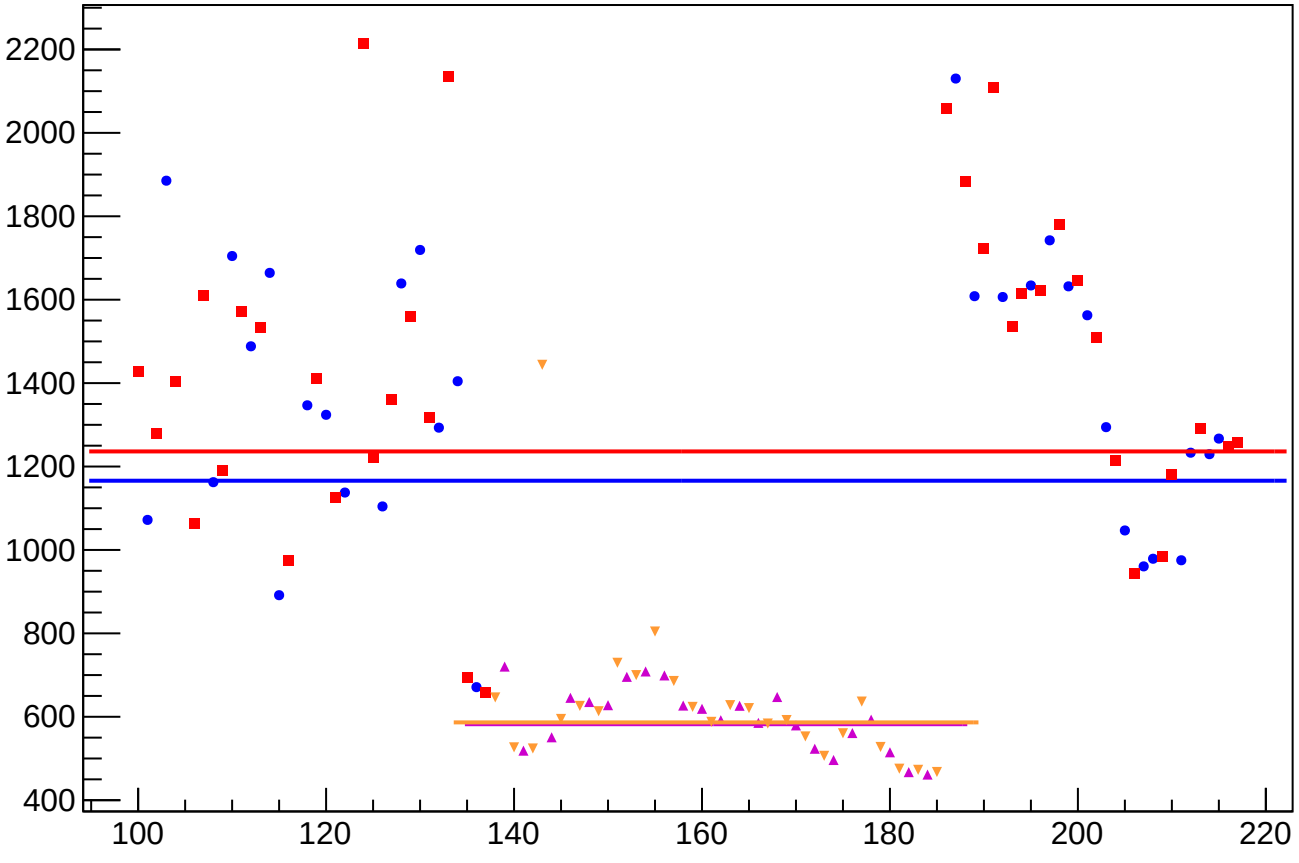
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 668.607+/-121.837 χ^2/NDF: 108.0/55

All: 489.995+/-86.763 χ^2/NDF: 185.2/114

- sign 306.226+/-123.584 χ^2/NDF: 72.8/58

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1165.972+/-0.195 χ^2/NDF: 2707490.2/30

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

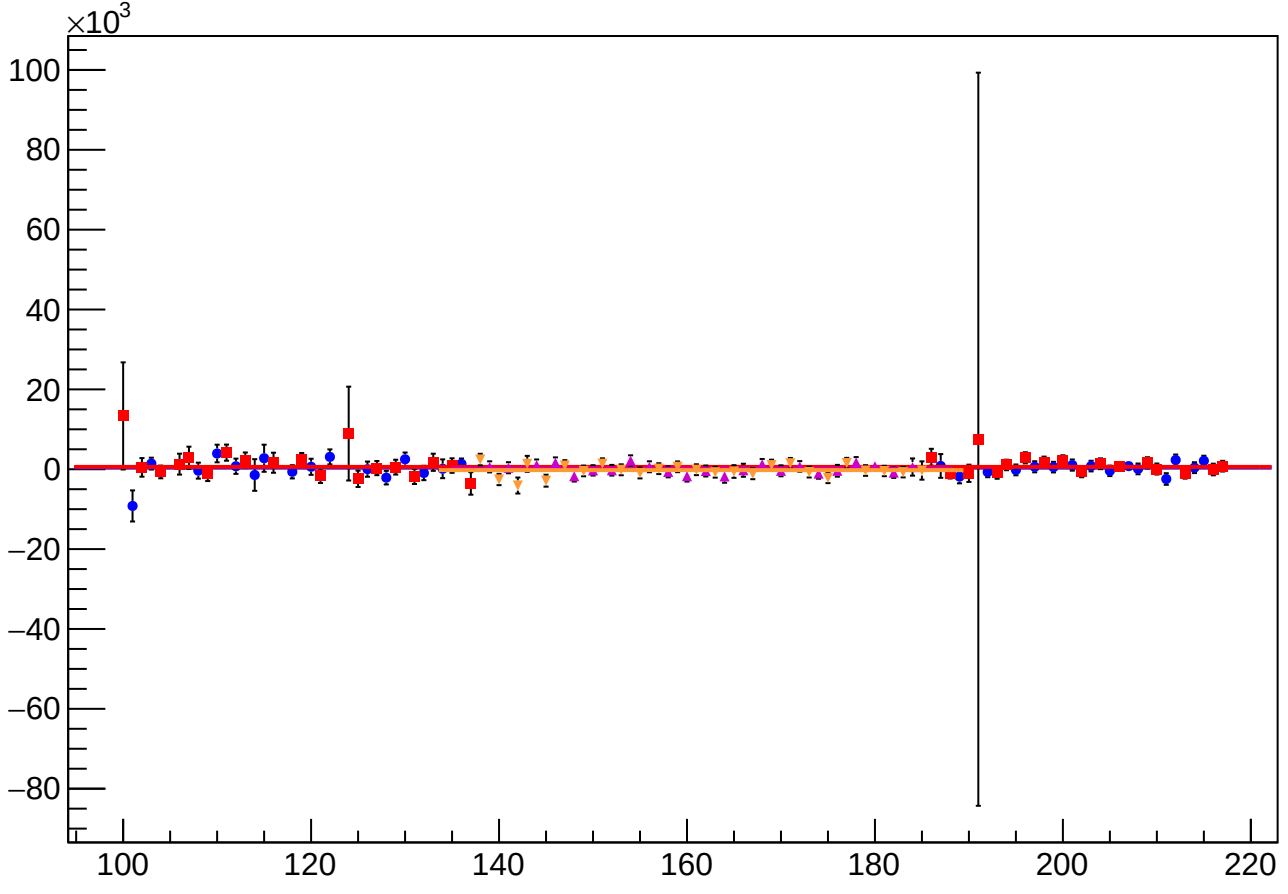
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 699.211+/-0.086 χ^2/NDF: 10994949.0/55

All: 702.594+/-0.061 χ^2/NDF: 22896070.3/11

- sign 706.075+/-0.087 χ^2/NDF: 11897992.8/58

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

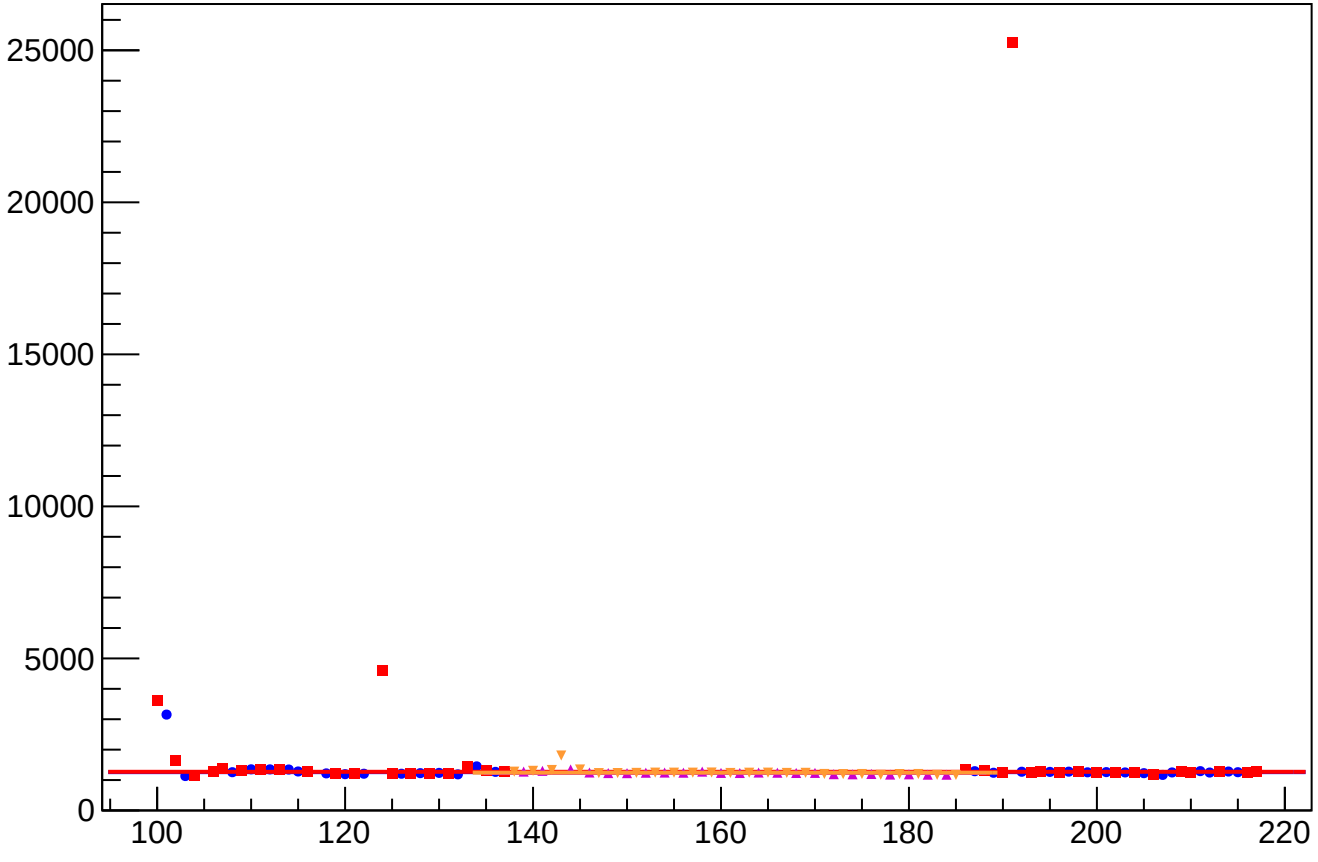
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 88.990+/-202.204 χ^2/NDF: 54.6/55

All: 215.807+/-142.978 χ^2/NDF: 101.2/114

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

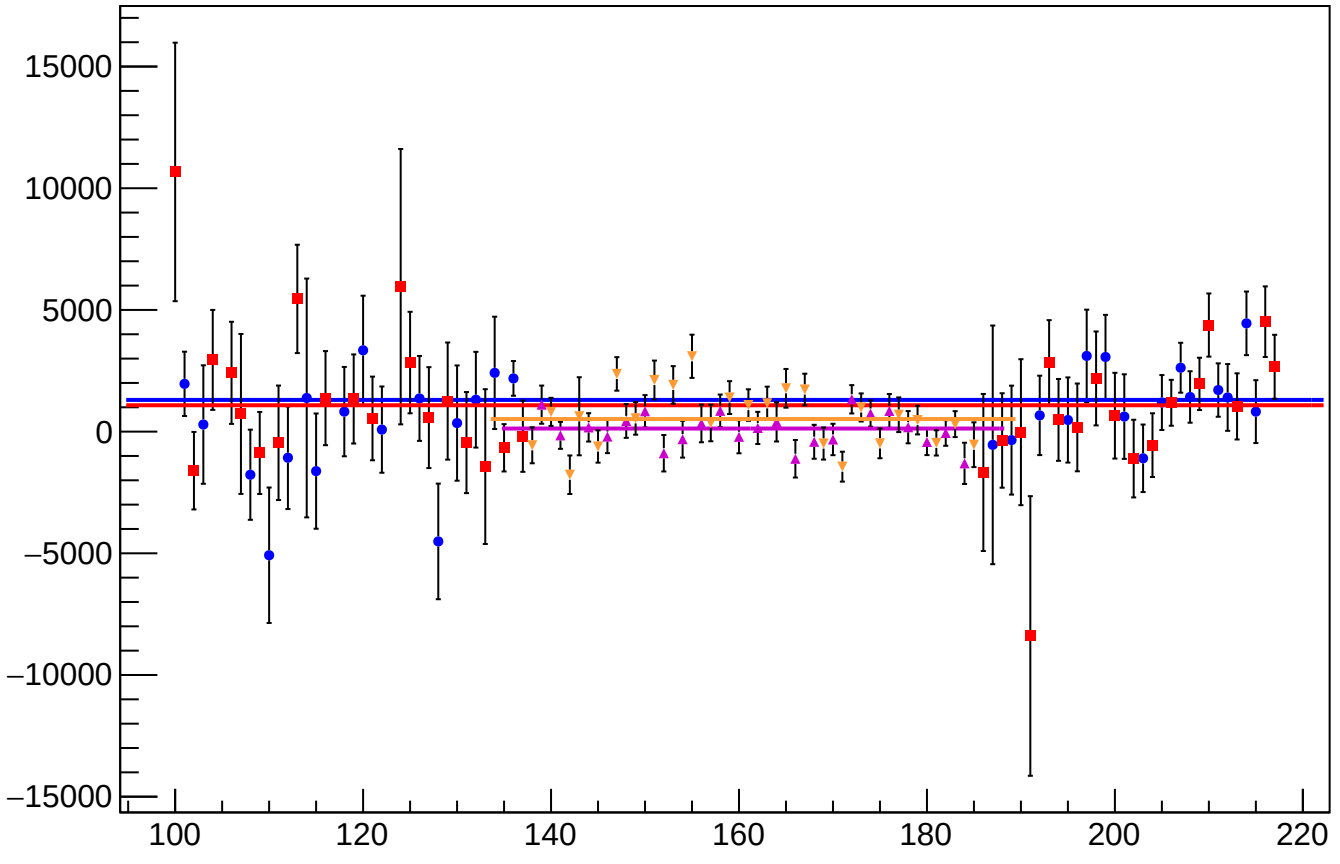
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742528.7/55

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

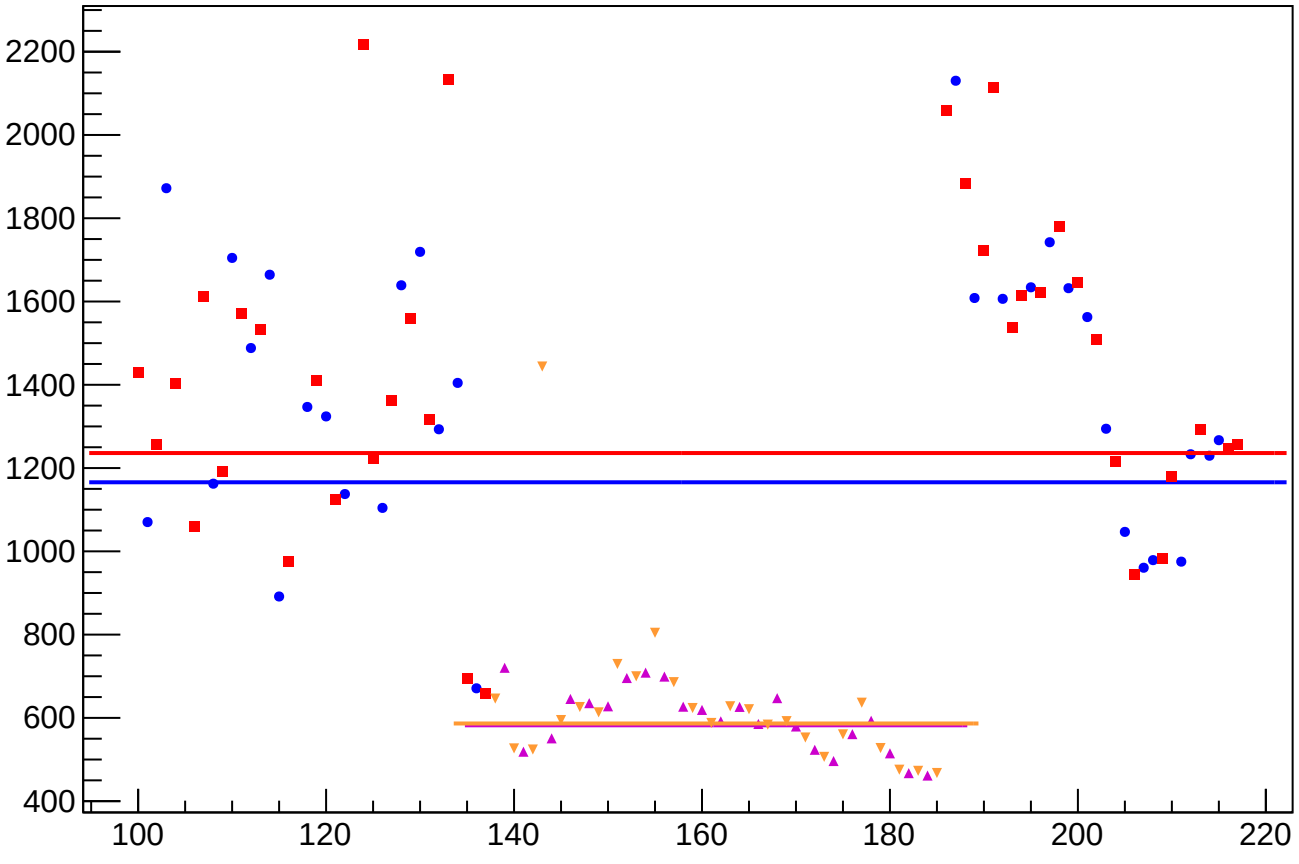
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 669.661+/-121.834 χ^2/NDF: 108.0/55

All: 491.194+/-86.768 χ^2/NDF: 186.4/114

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

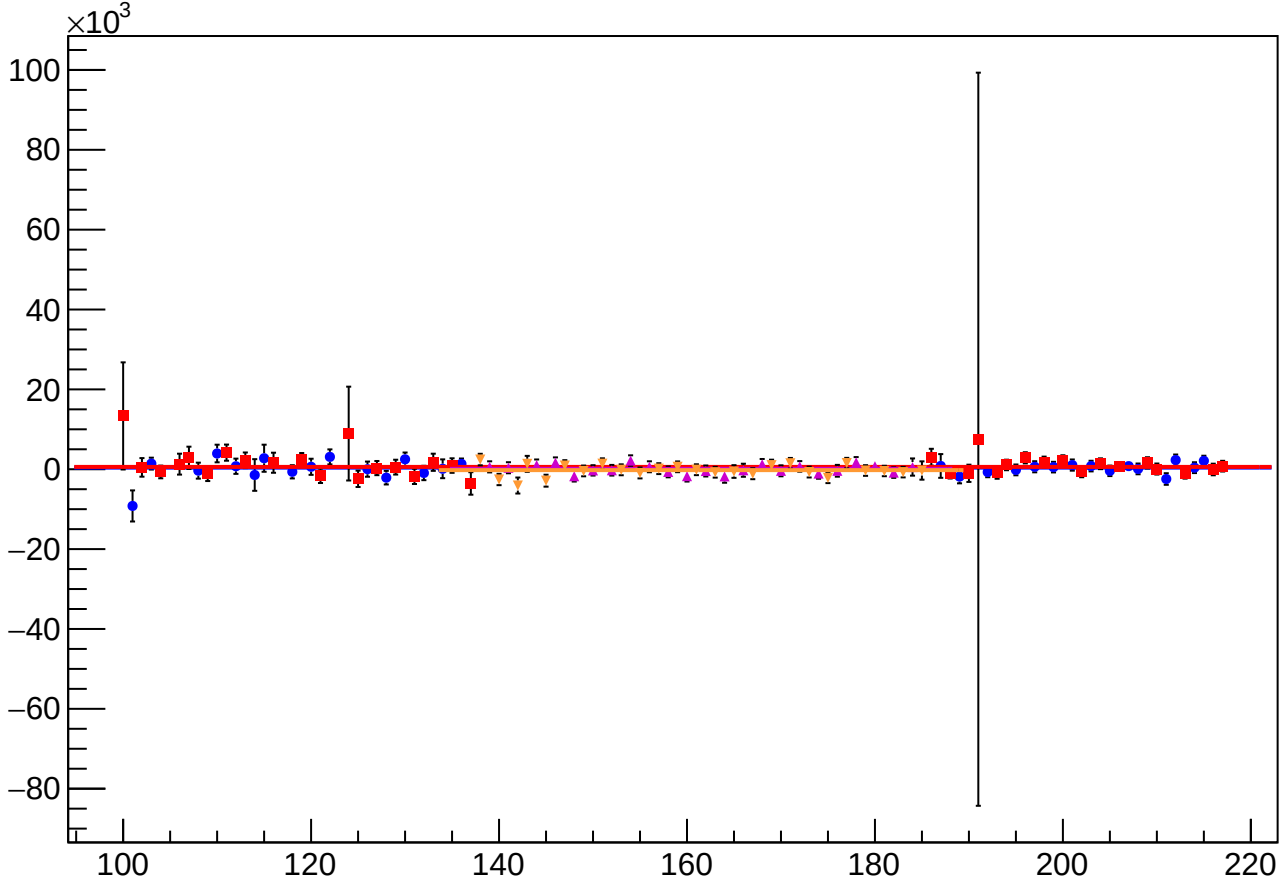
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 699.226+/-0.086 χ^2/NDF: 10990935.8/55

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

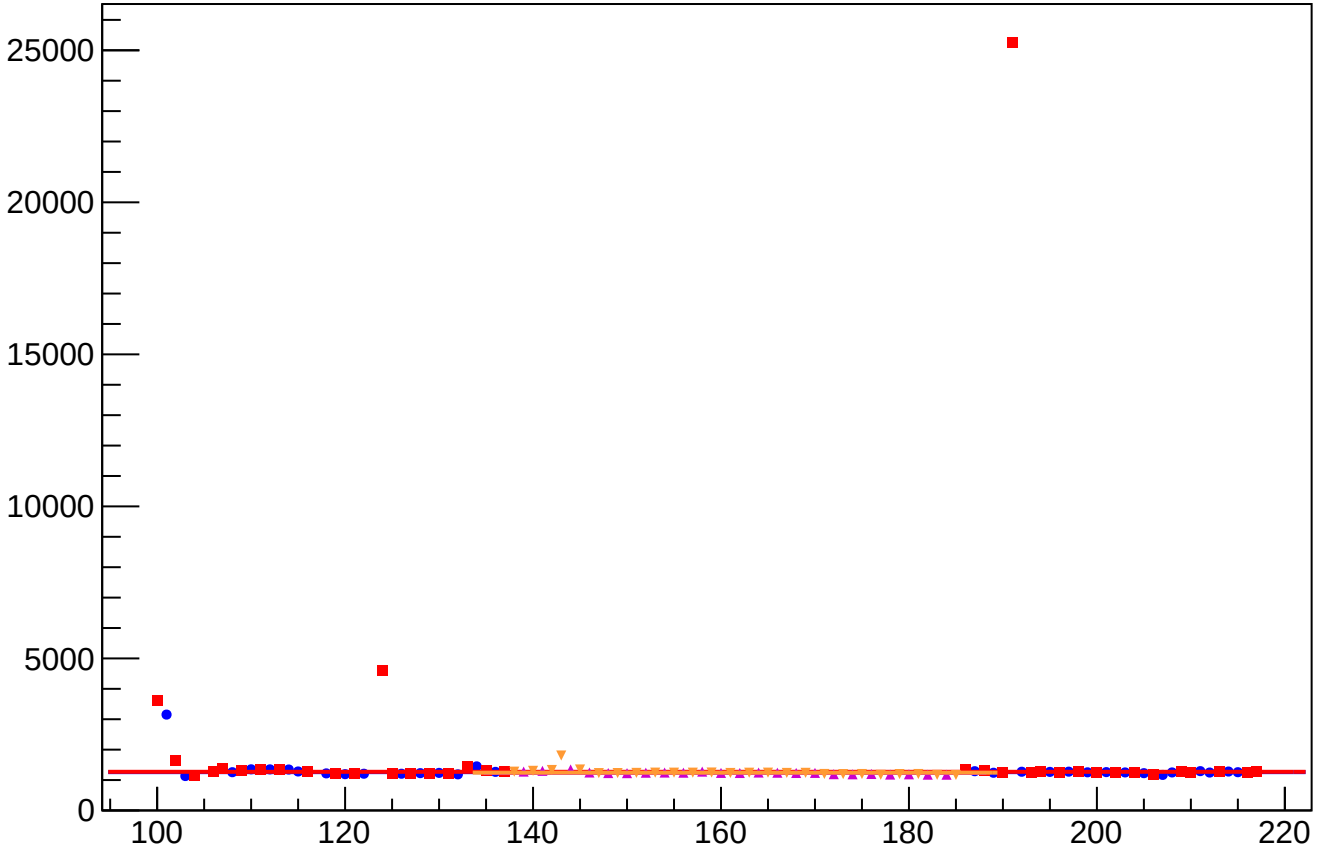
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 88.990+/-202.204 χ^2/NDF: 54.6/55

All: 215.807+/-142.978 χ^2/NDF: 101.2/114

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

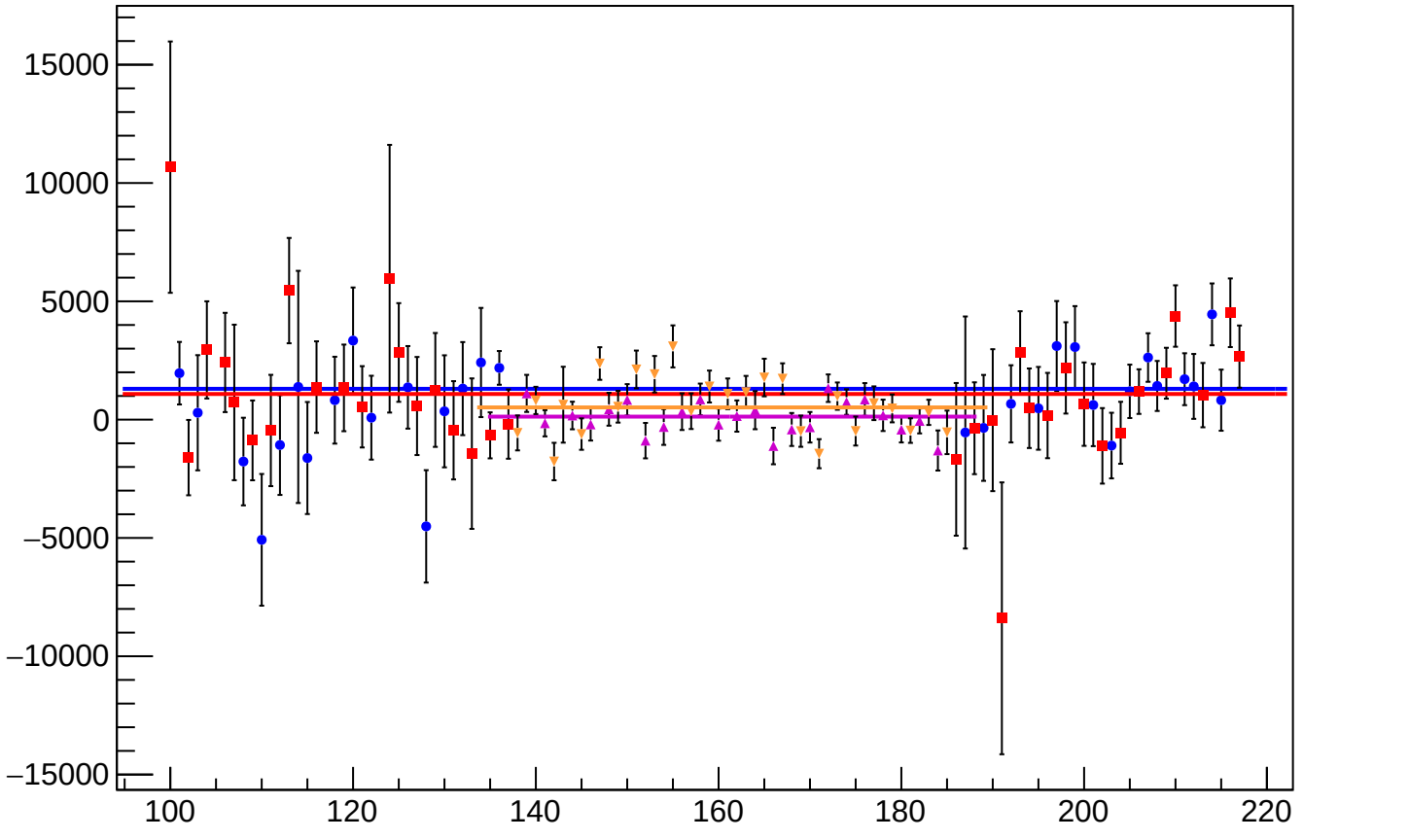
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742528.7/55

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

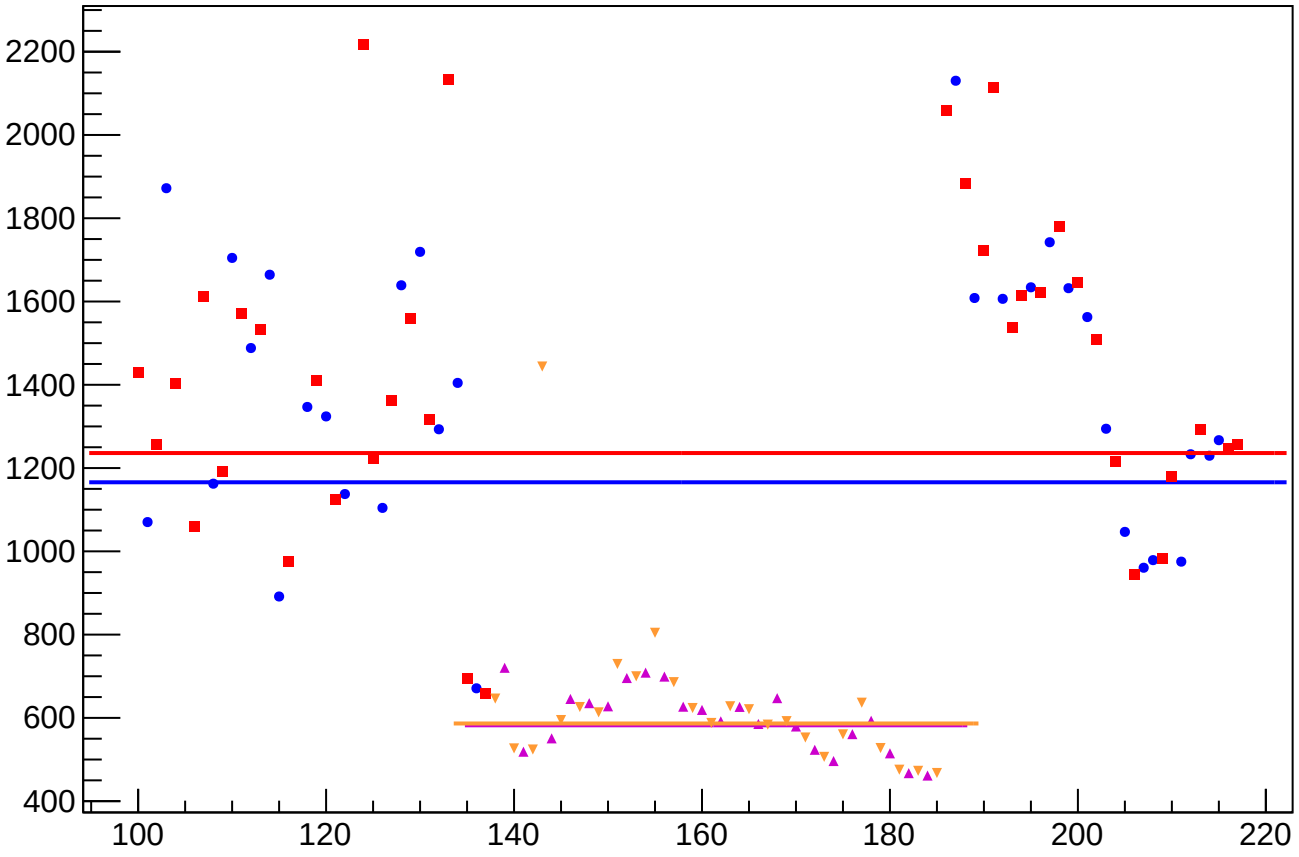
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 669.661+/-121.834 χ^2/NDF: 108.0/55

All: 491.194+/-86.768 χ^2/NDF: 186.4/114

\- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

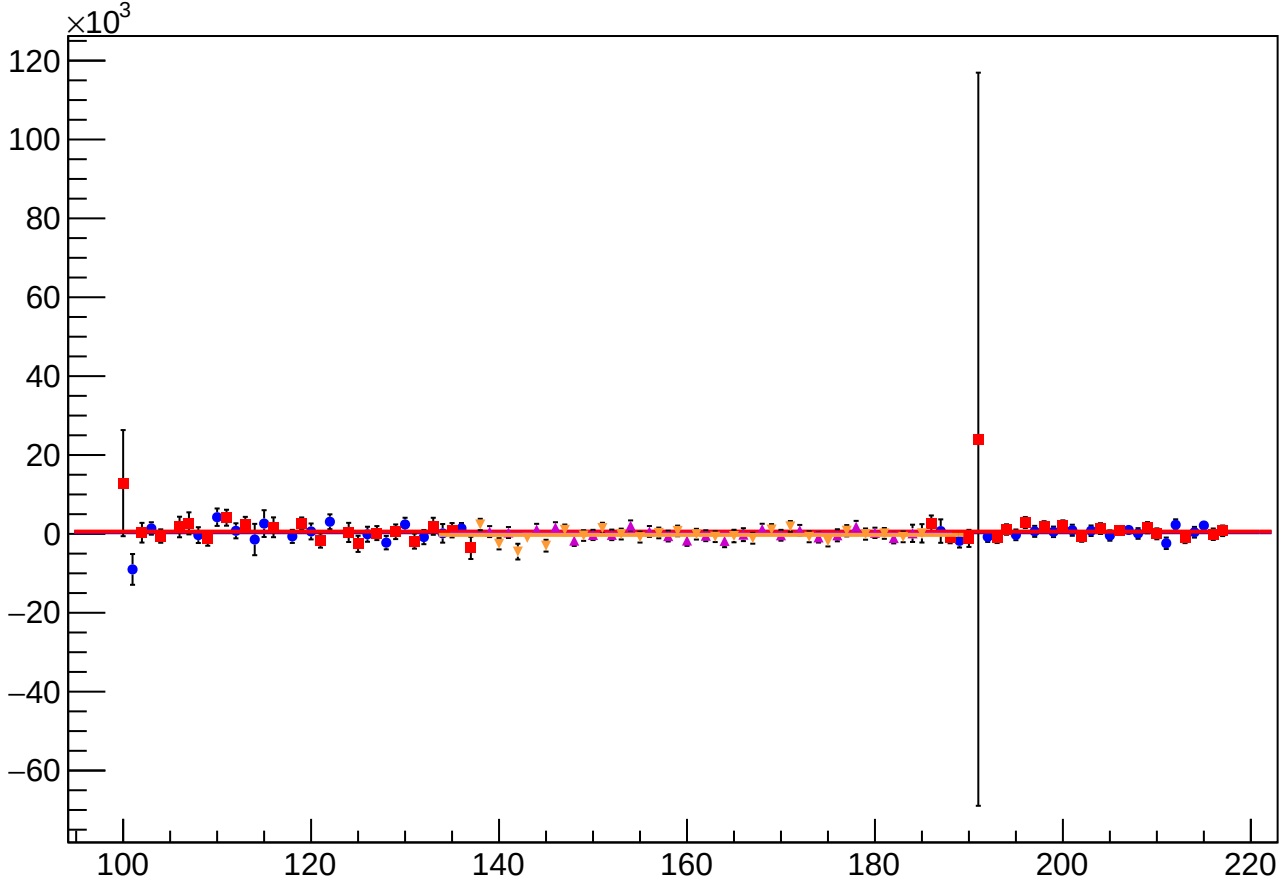
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 699.226+/-0.086 χ^2/NDF: 10990935.8/55

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 420.174+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.664+/-283.147 χ^2/NDF: 29.2/35

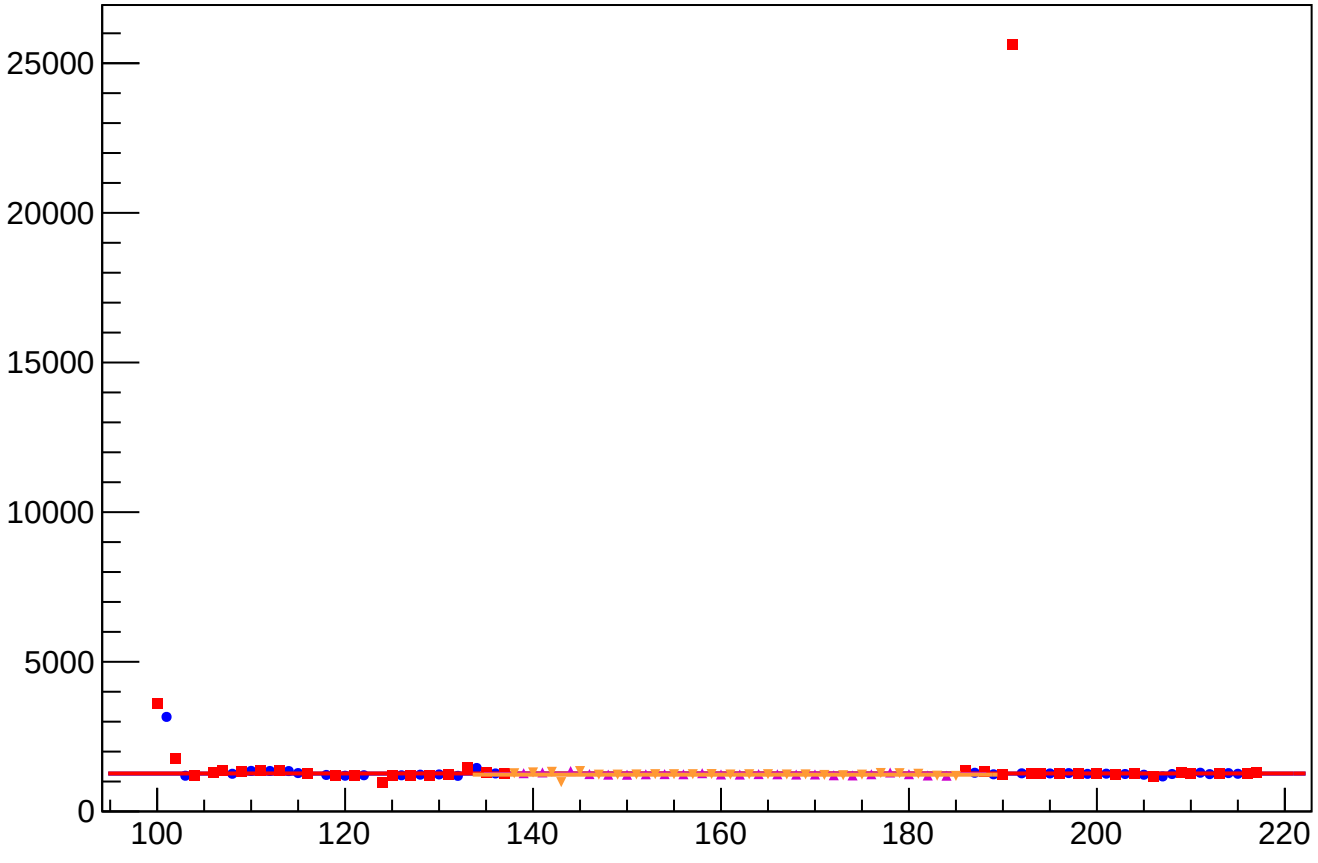
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 73.017+/-201.341 χ^2/NDF: 55.0/55

All: 203.429+/-142.984 χ^2/NDF: 100.6/114

- sign 336.115+/-203.090 χ^2/NDF: 44.8/58

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.7/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

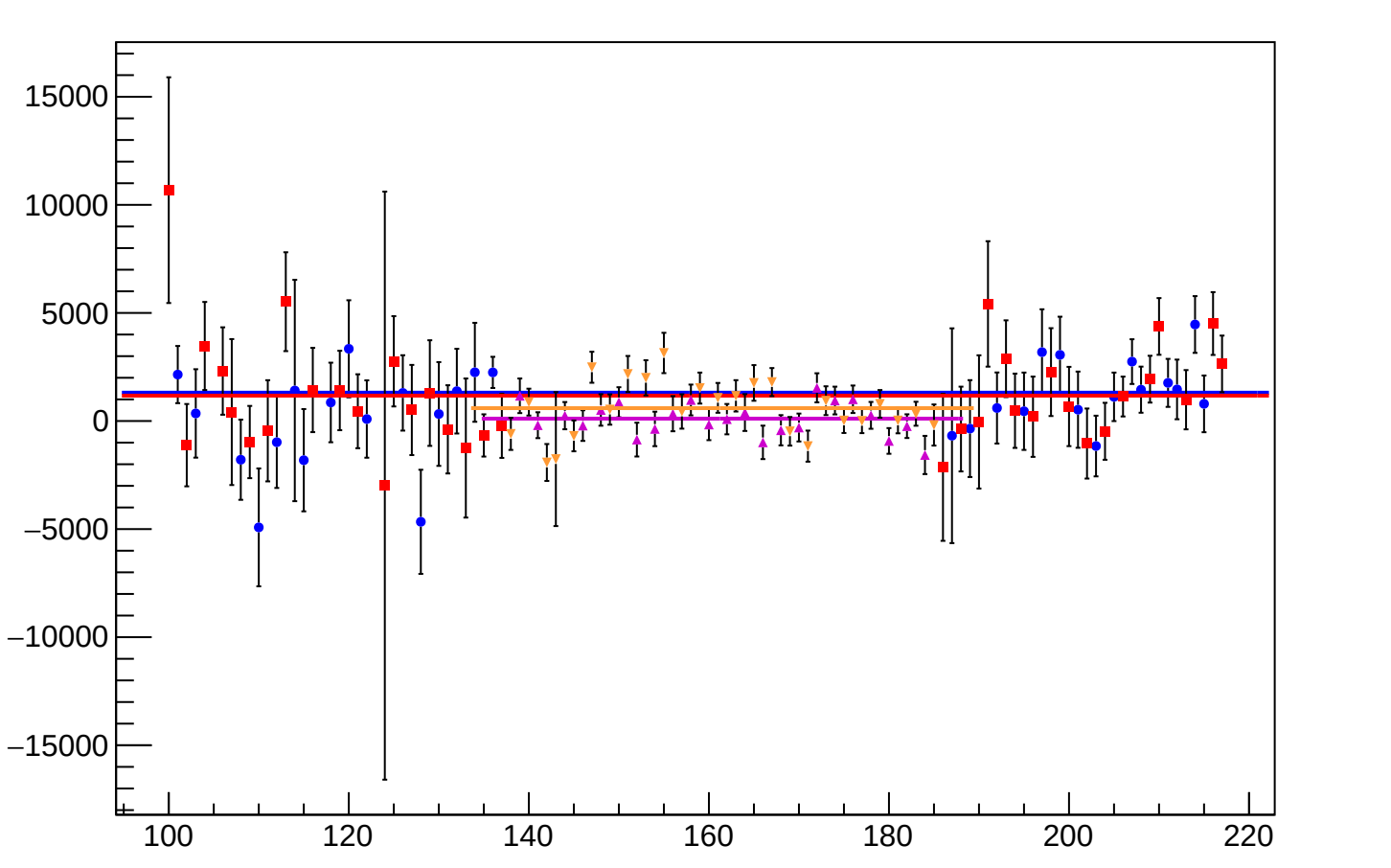
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.311+/-0.142 χ^2/NDF: 681172.2/55

All: 1252.665+/-0.101 χ^2/NDF: 1104100.3/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.5/58



Right In: 1311.254+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 1173.960+/-286.304 χ^2/NDF: 40.7/35

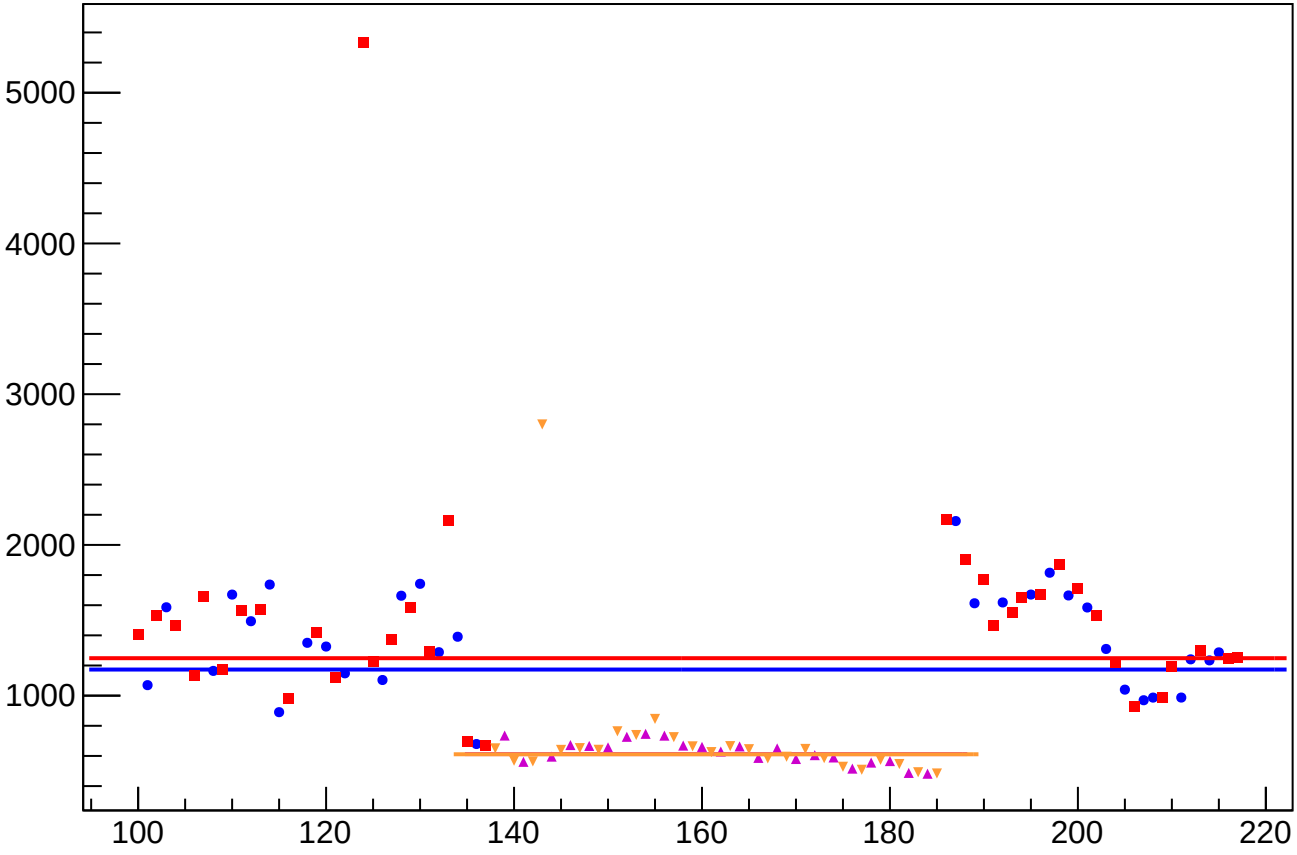
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 743.627+/-126.528 χ^2/NDF: 98.1/55

All: 538.332+/-90.265 χ^2/NDF: 180.9/114

- sign 325.564+/-128.810 χ^2/NDF: 77.5/58

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1173.201+/-0.196 χ^2/NDF: 2646017.2/30

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

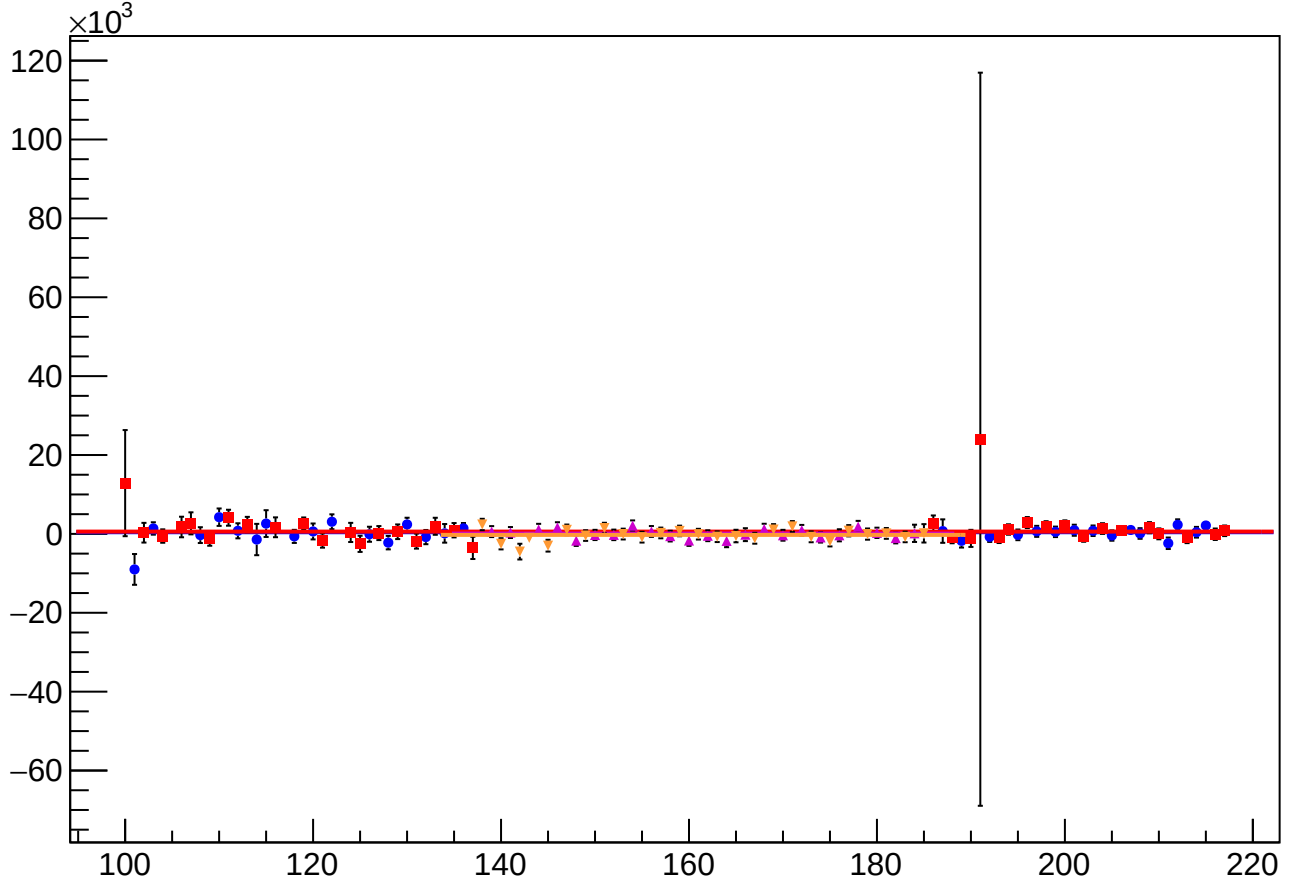
Right Out: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 727.729+/-0.089 χ^2/NDF: 10756695.9/55

All: 734.321+/-0.064 χ^2/NDF: 22180992.9/11

- sign 741.153+/-0.091 χ^2/NDF: 11413241.8/58



Right In: 420.171+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.662+/-283.147 χ^2/NDF: 29.2/35

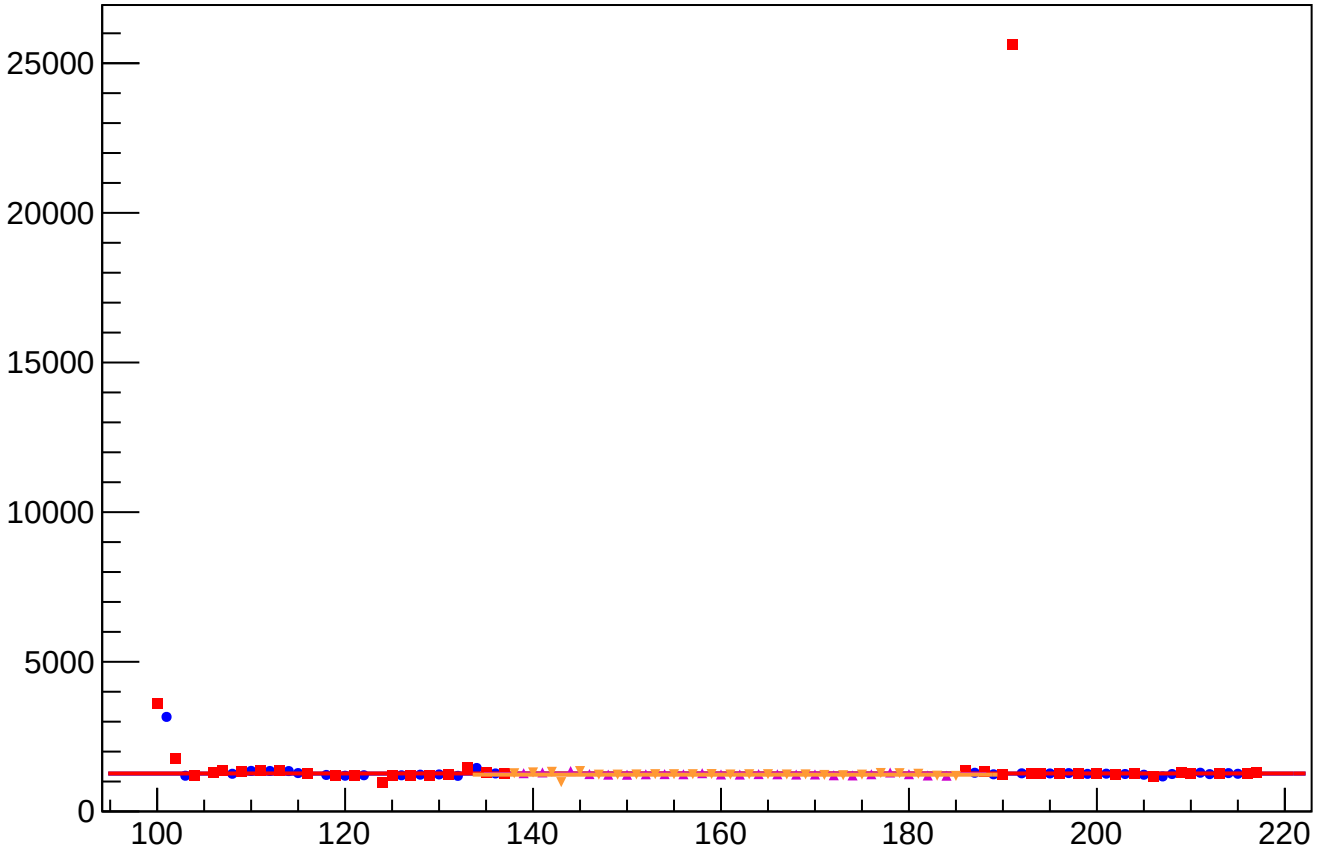
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 73.015+/-201.341 χ^2/NDF: 55.0/55

All: 203.427+/-142.984 χ^2/NDF: 100.6/114

- sign 336.114+/-203.090 χ^2/NDF: 44.8/58

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.8/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

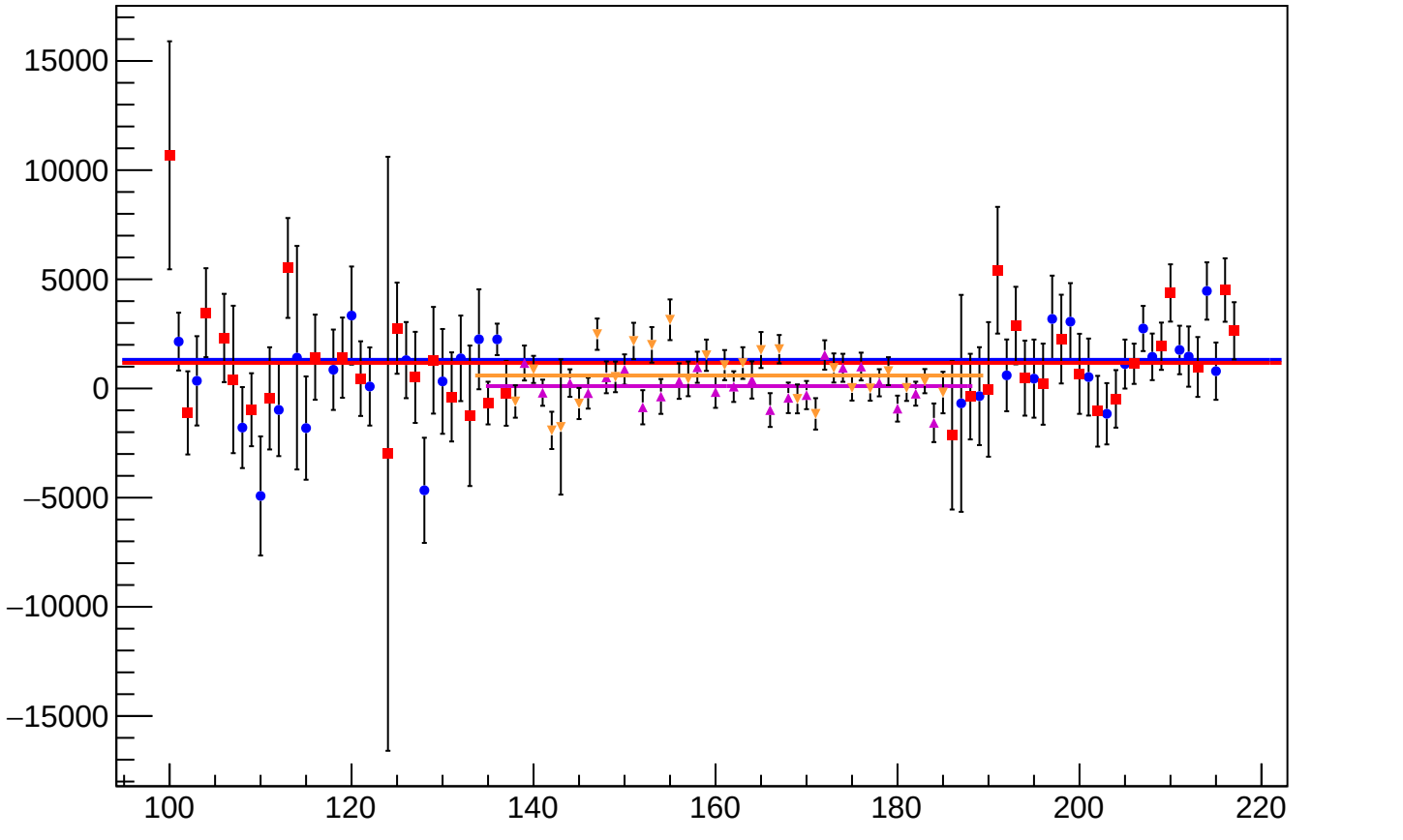
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.311+/-0.142 χ^2/NDF: 681171.3/55

All: 1252.665+/-0.101 χ^2/NDF: 1104099.2/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.3/58



Right In: 1311.253+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

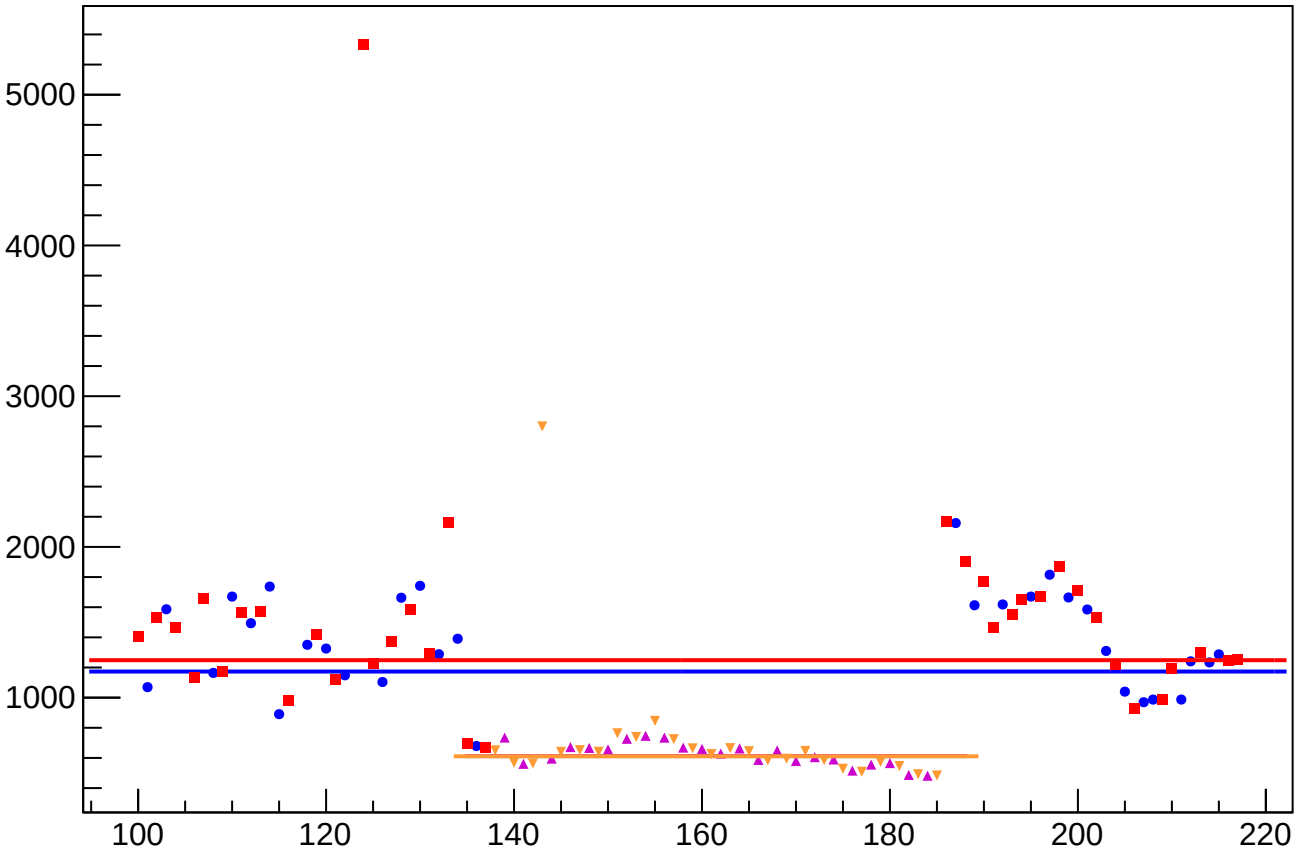
Right Out: 1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 743.626+/-126.528 χ^2/NDF: 98.1/55

All: 538.332+/-90.265 χ^2/NDF: 180.9/114

- sign 325.562+/-128.810 χ^2/NDF: 77.5/58



Right In: 1173.202+/-0.196 χ^2/NDF: 2645957.2/30

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

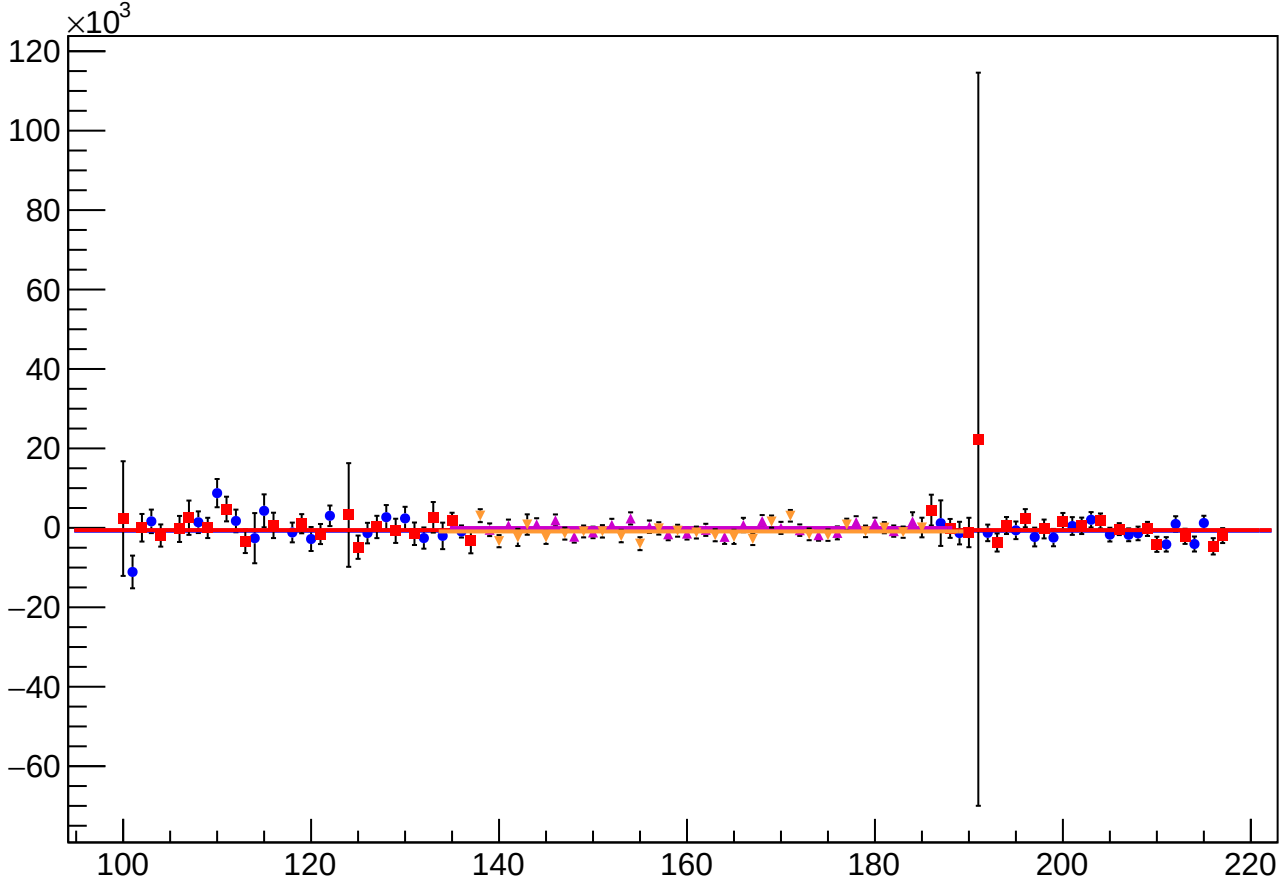
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 727.729+/-0.089 χ^2/NDF: 10756662.0/55

All: 734.320+/-0.064 χ^2/NDF: 22180975.1/11

- sign 741.152+/-0.091 χ^2/NDF: 11413258.6/58

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -721.502+/-419.243 χ^2/NDF: 35.8/30

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -563.449+/-419.443 χ^2/NDF: 27.6/35

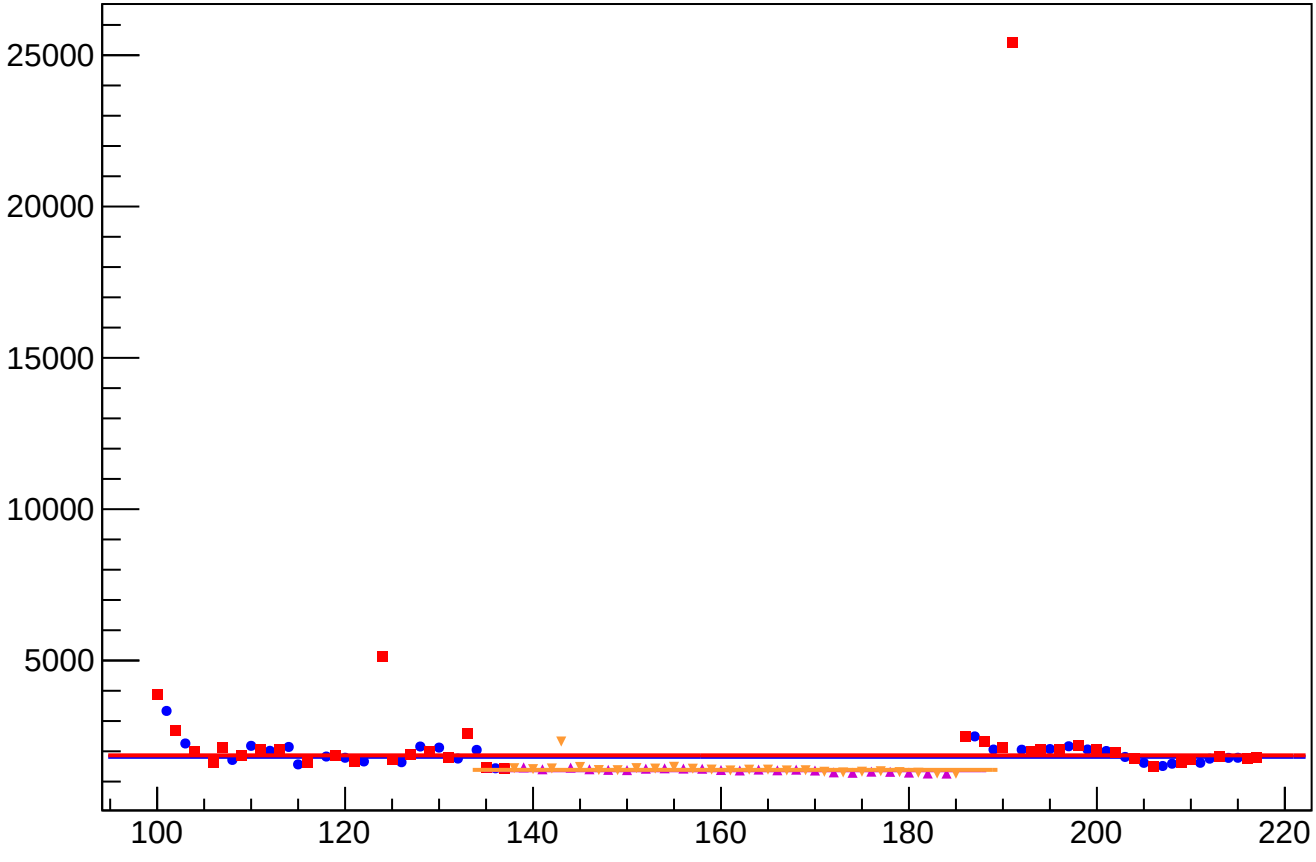
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -835.147+/-252.575 χ^2/NDF: 65.7/55

All: -539.506+/-179.407 χ^2/NDF: 114.9/114

- sign -238.444+/-254.880 χ^2/NDF: 46.5/58

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1817.481+/-0.296 χ^2/NDF: 893605.4/30

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

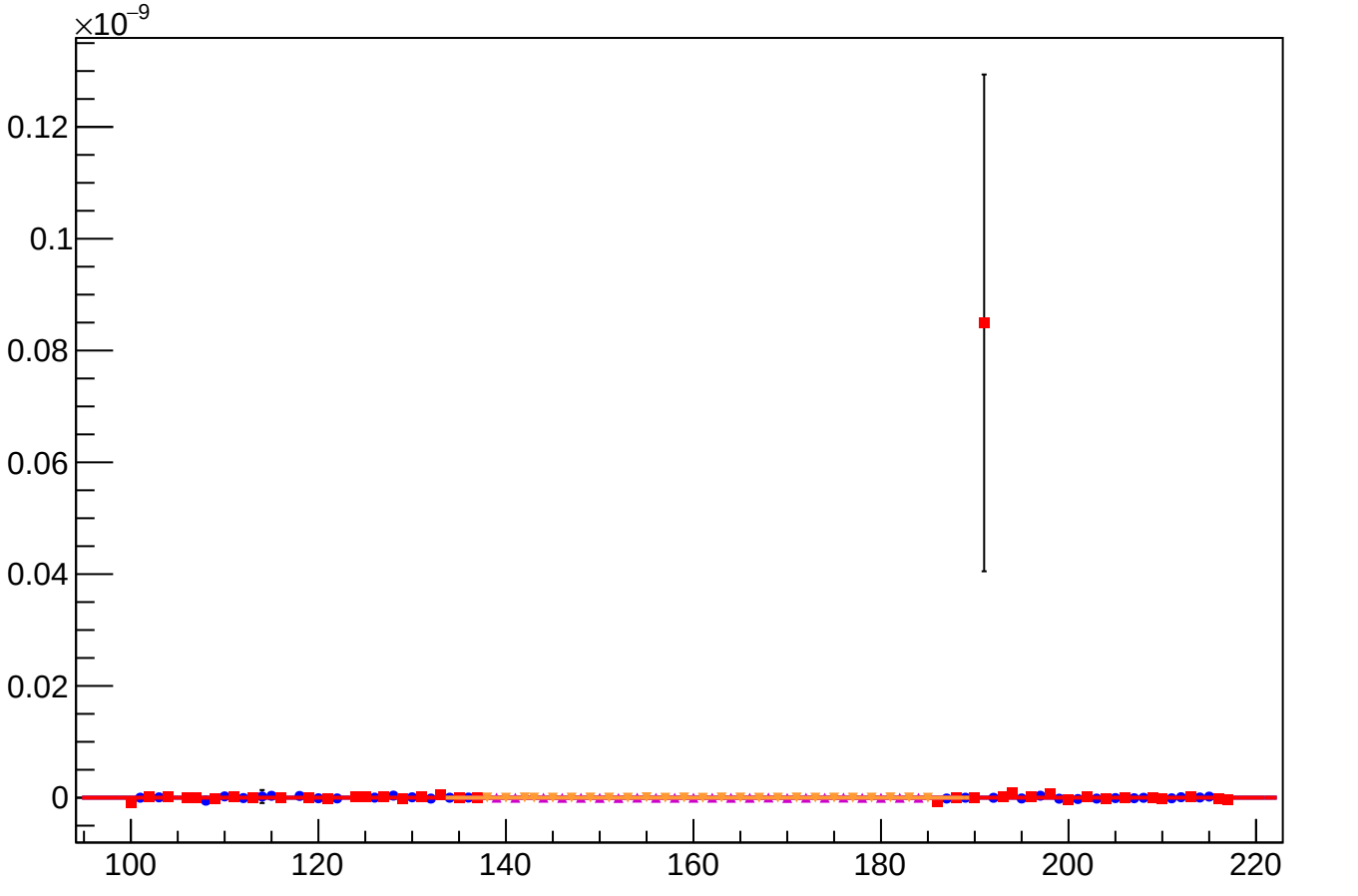
Right Out: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1543.145+/-0.179 χ^2/NDF: 2577688.4/55

All: 1549.232+/-0.127 χ^2/NDF: 5450021.0/11

- sign 1555.430+/-0.180 χ^2/NDF: 2869988.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

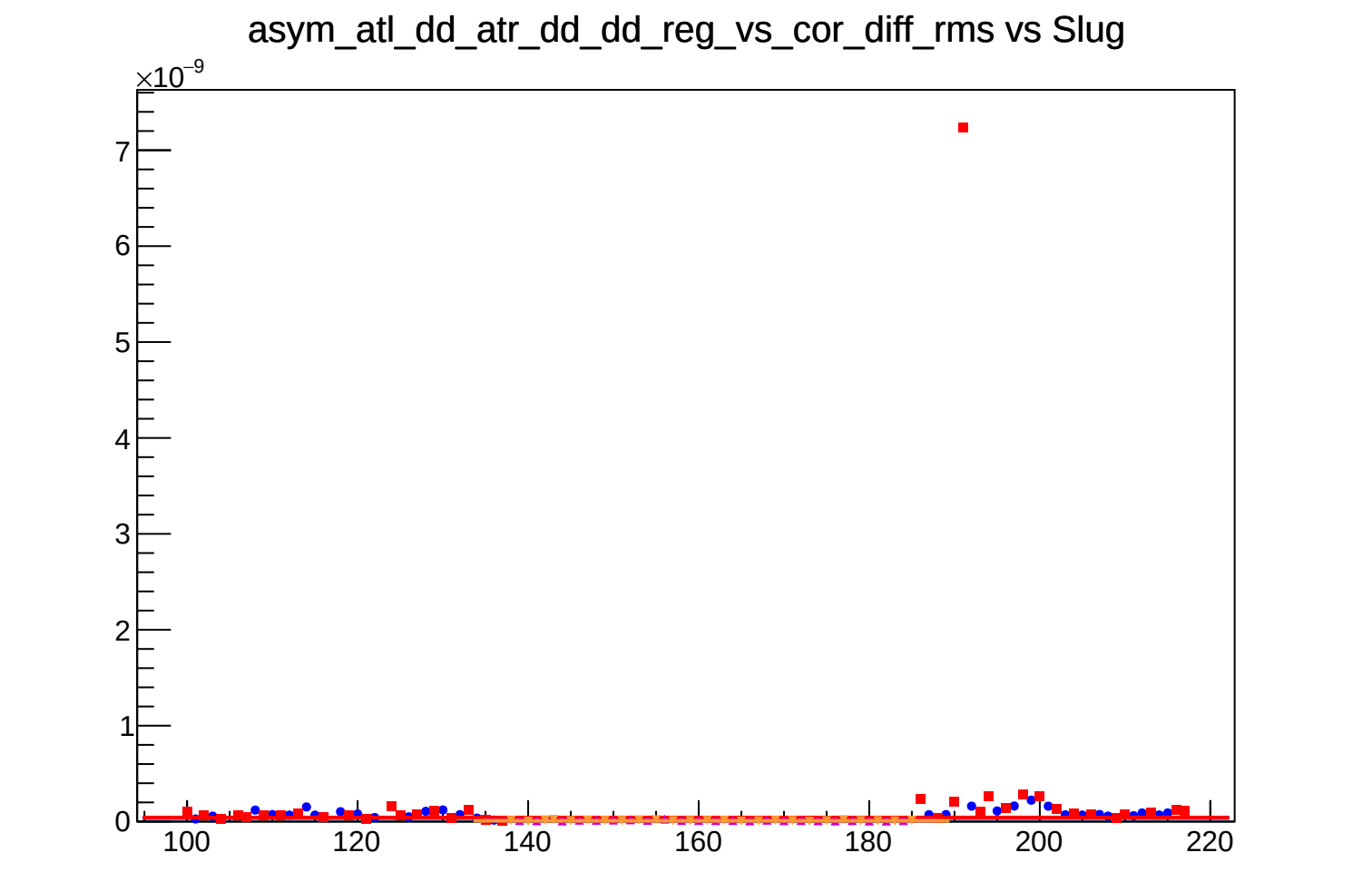
Right Out: 0.000+/-0.000 χ^2/NDF: 56.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/55

All: 0.000+/-0.000 χ^2/NDF: 123.3/114

- sign -0.000+/-0.000 χ^2/NDF: 70.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7003564.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

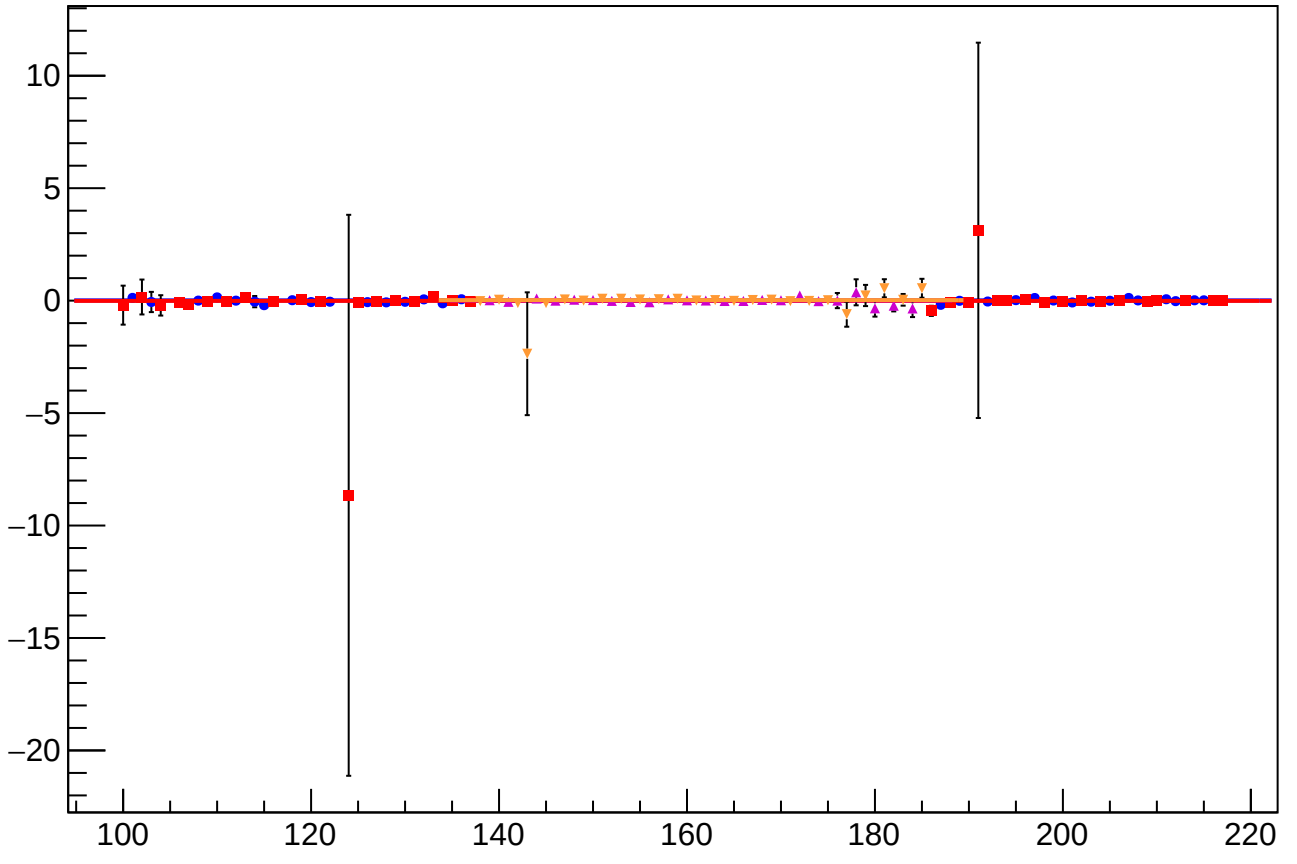
Right Out: 0.000+/-0.000 χ^2/NDF: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14921001.1/55

All: 0.000+/-0.000 χ^2/NDF: 29734052.0/114

- sign 0.000+/-0.000 χ^2/NDF: 14525833.5/58



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

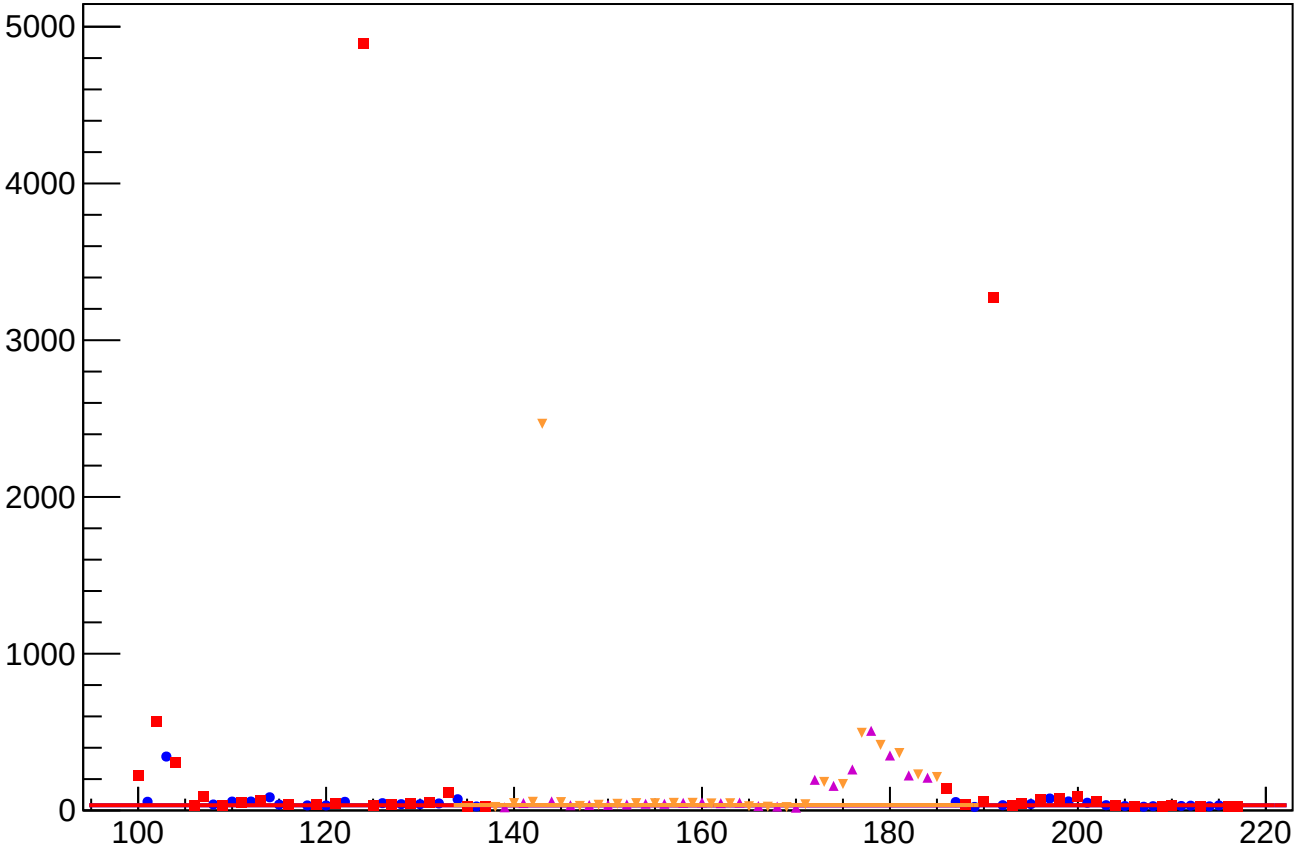
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

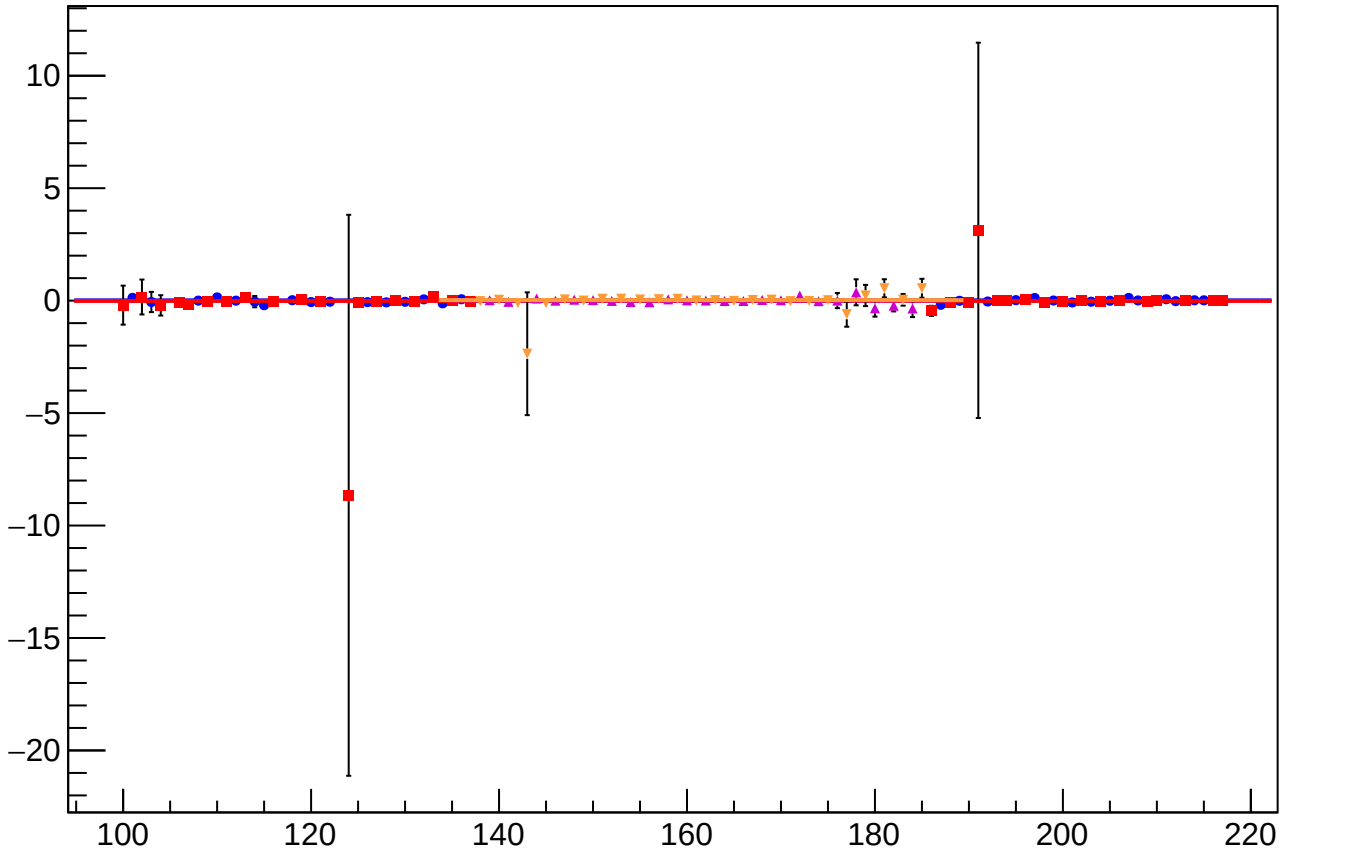
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.635+/-0.005 χ^2/NDF: 15168061.8/55

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

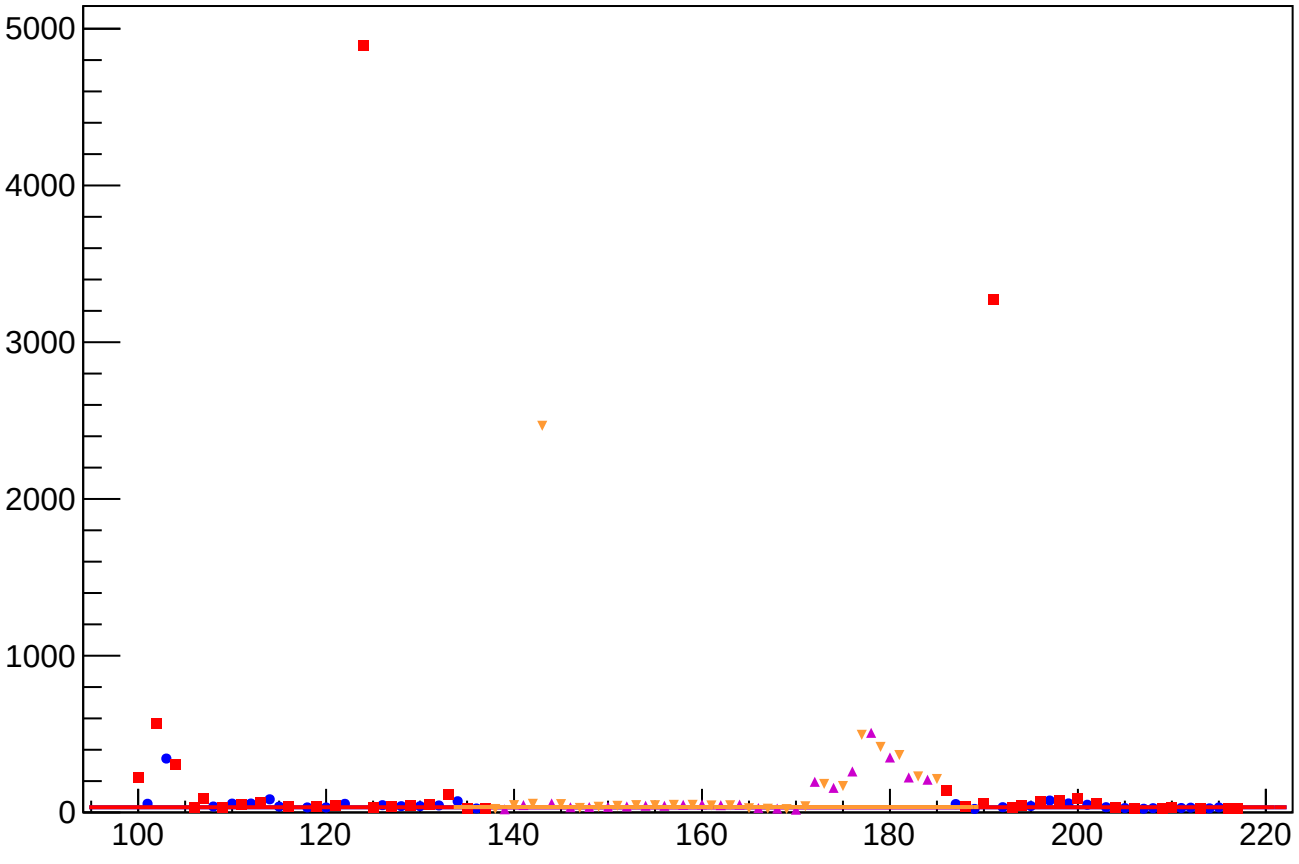
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

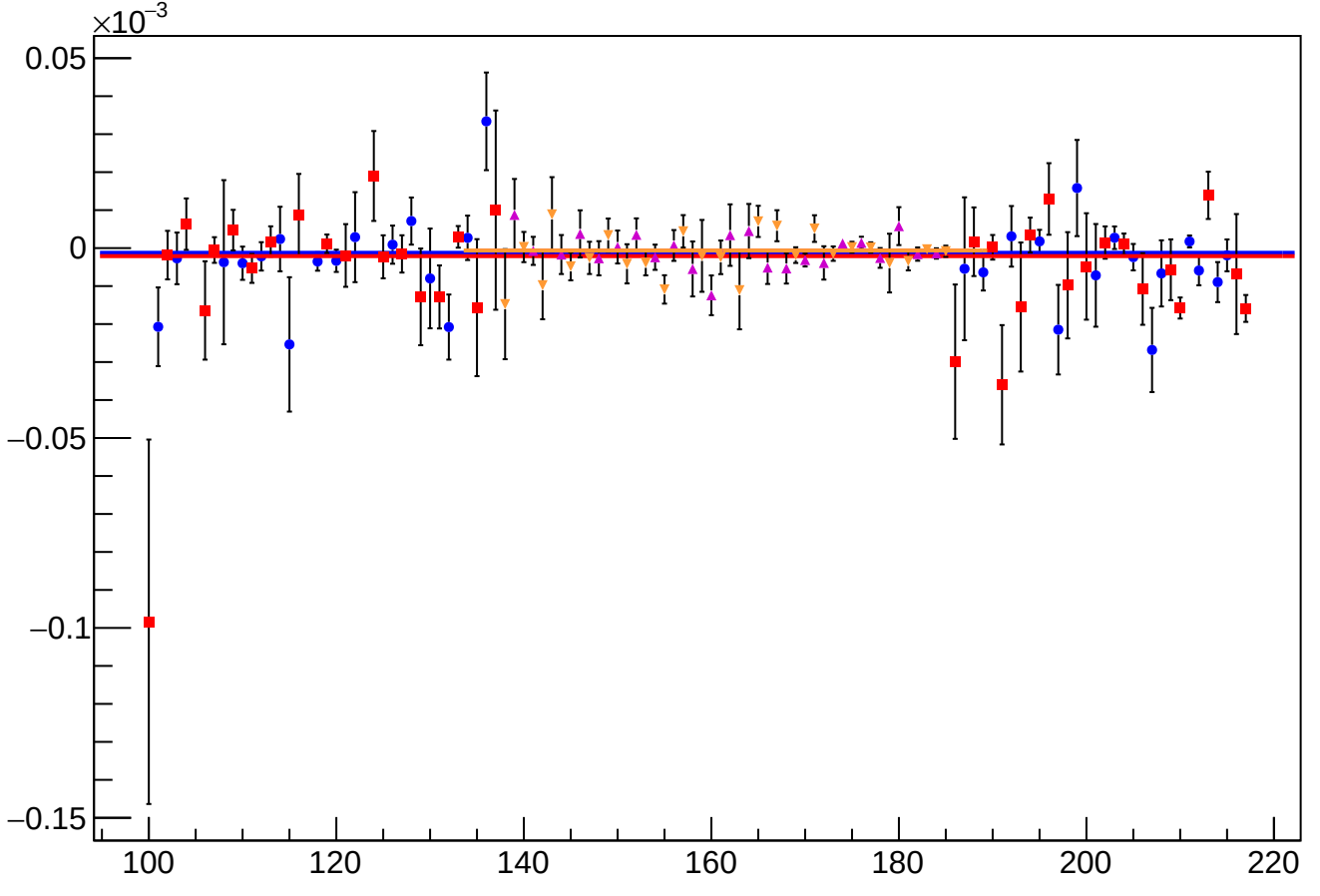
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.635+/-0.005 χ^2/NDF: 15168061.8/55

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

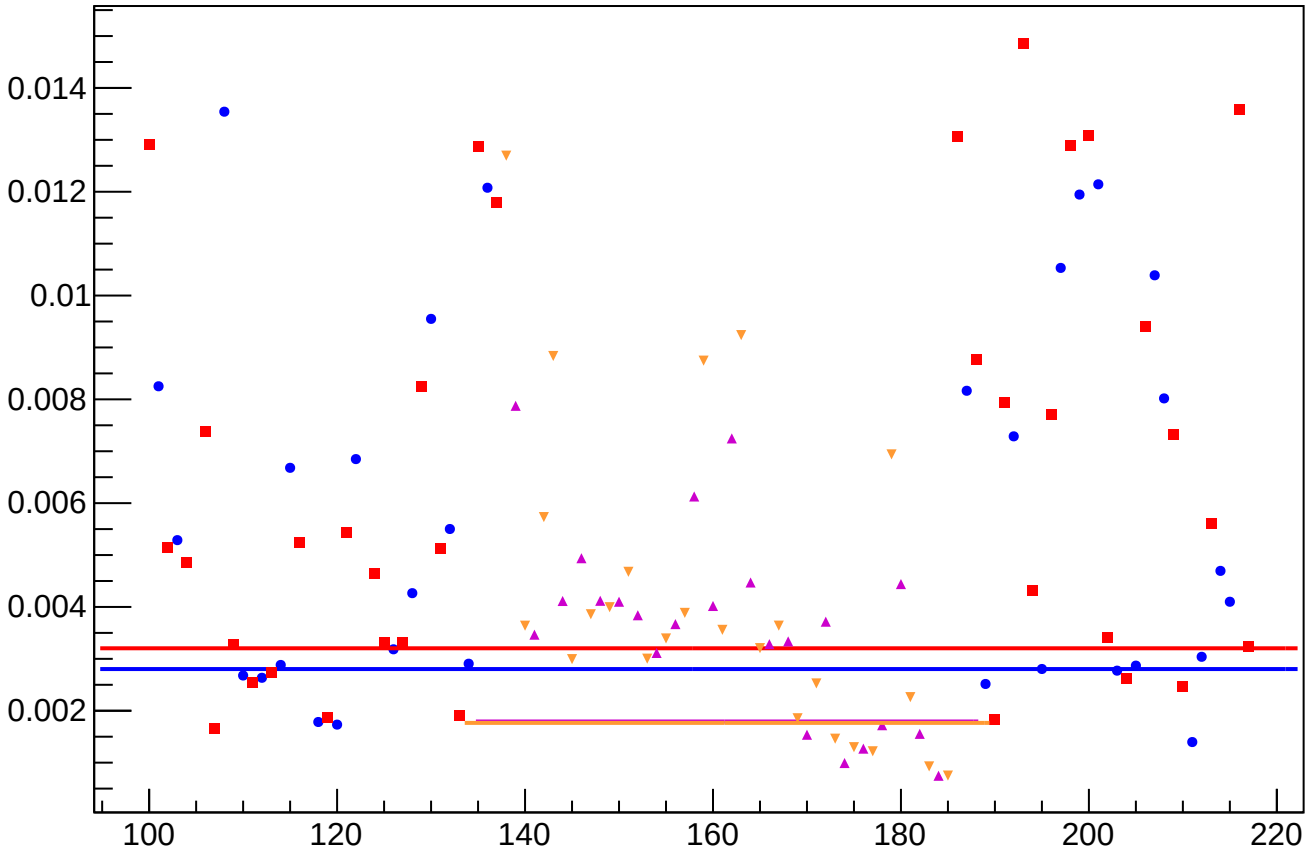
Right Out: -0.000+/-0.000 χ^2/NDF: 83.9/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.8/55

All: -0.000+/-0.000 χ^2/NDF: 181.9/114

- sign -0.000+/-0.000 χ^2/NDF: 107.9/58



Right In: 0.003+/-0.000 χ^2/NDF: 11525264.3/30

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

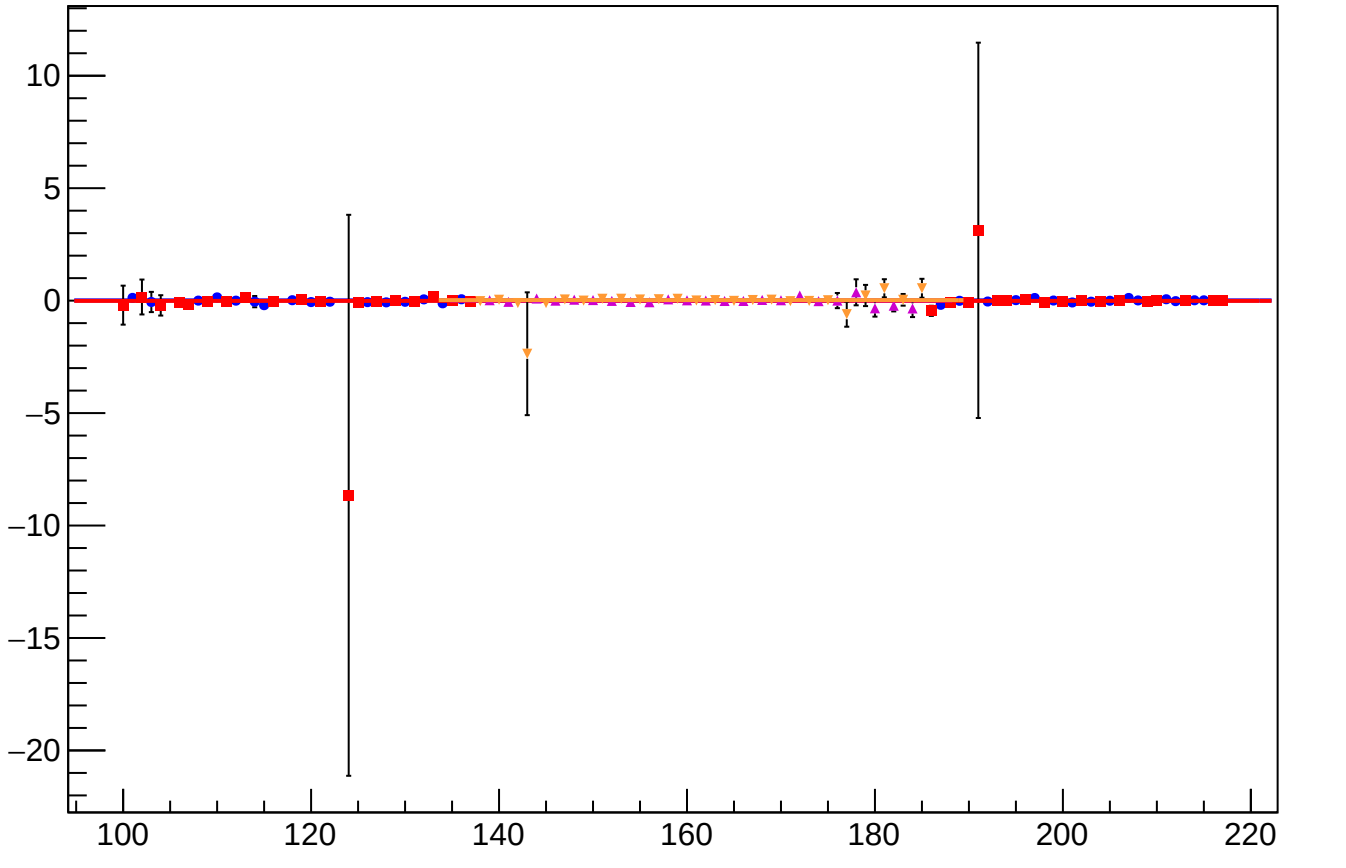
Right Out: 0.003+/-0.000 χ^2/NDF: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 26826907.6/55

All: 0.002+/-0.000 χ^2/NDF: 53126894.1/114

- sign 0.002+/-0.000 χ^2/NDF: 26212962.6/58



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

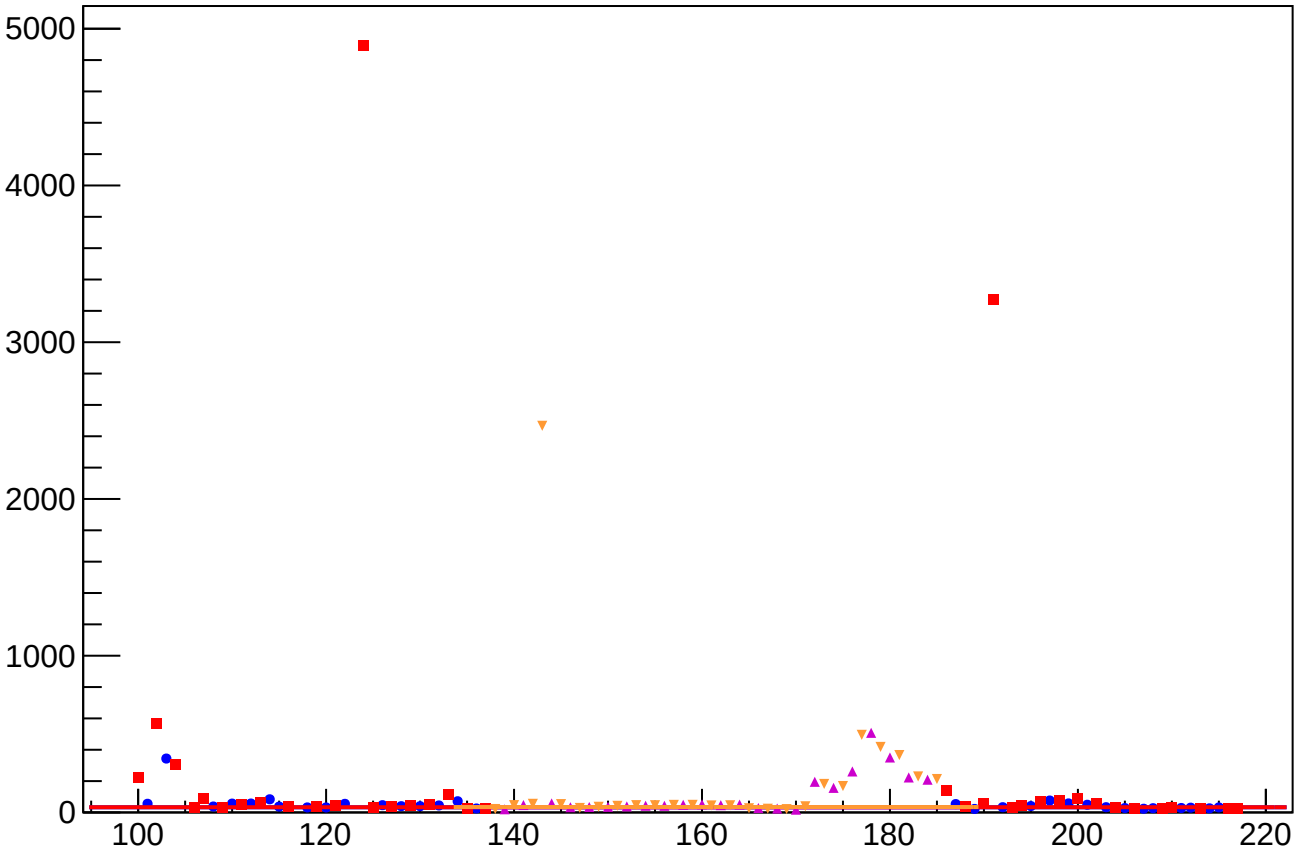
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

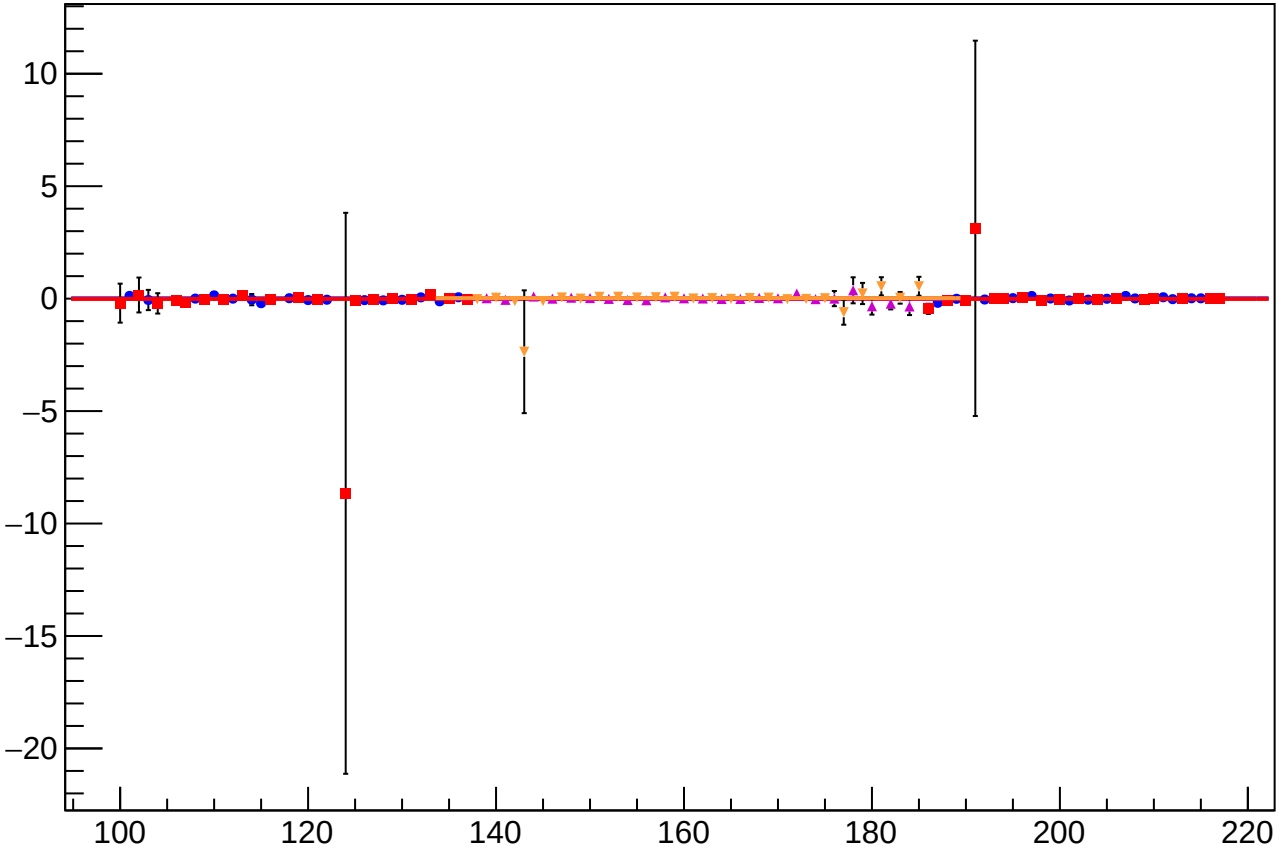
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.636+/-0.005 χ^2/NDF: 15166812.2/55

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

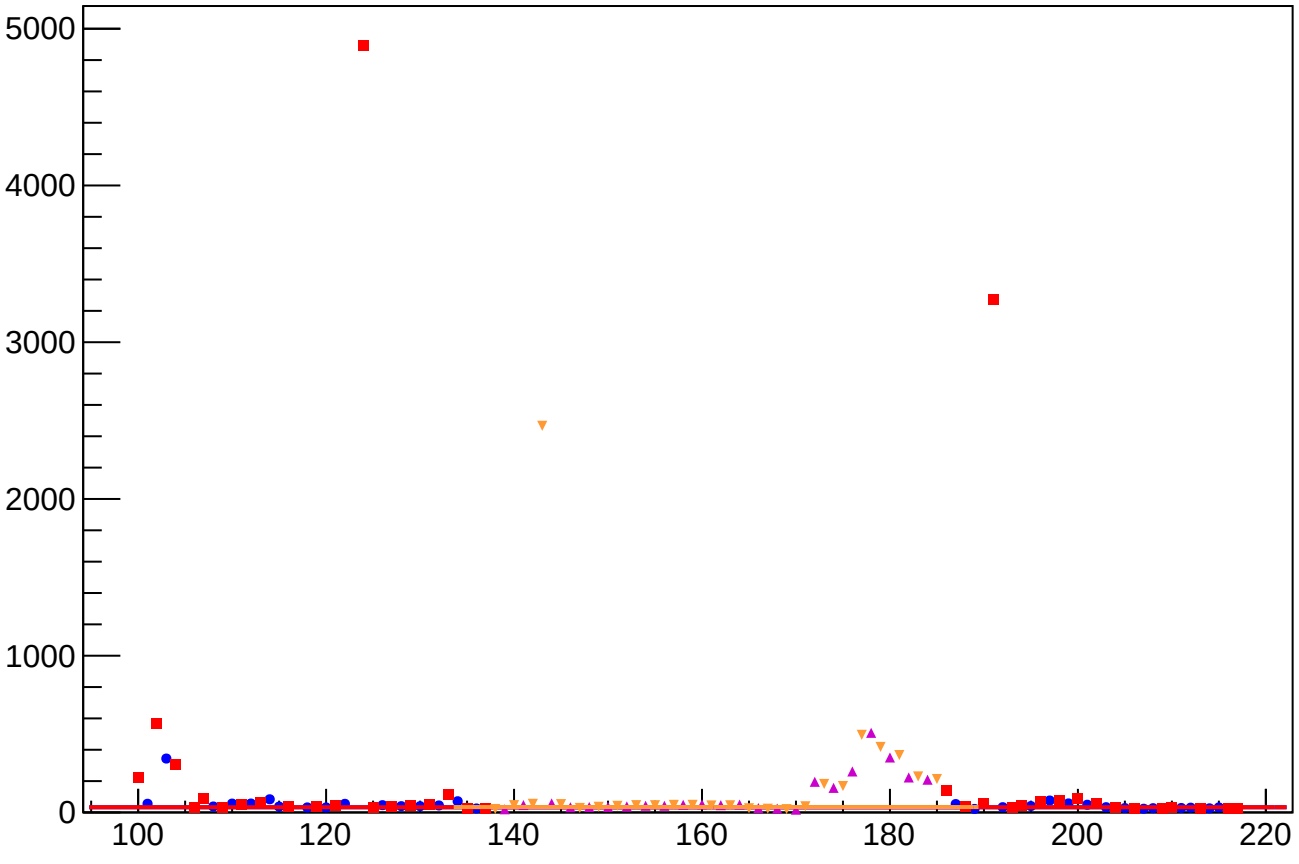
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

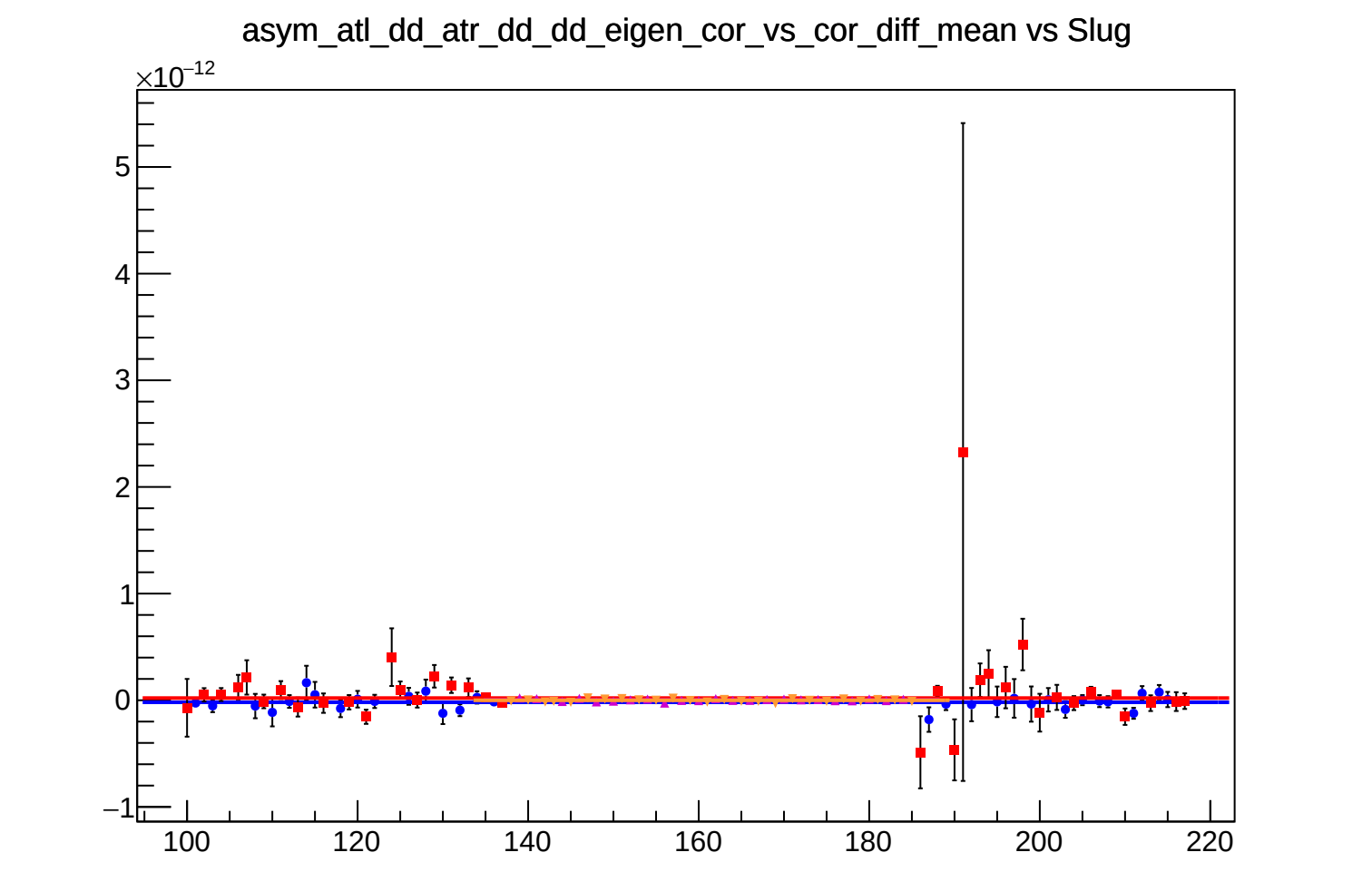
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.636+/-0.005 χ^2/NDF: 15166812.2/55

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

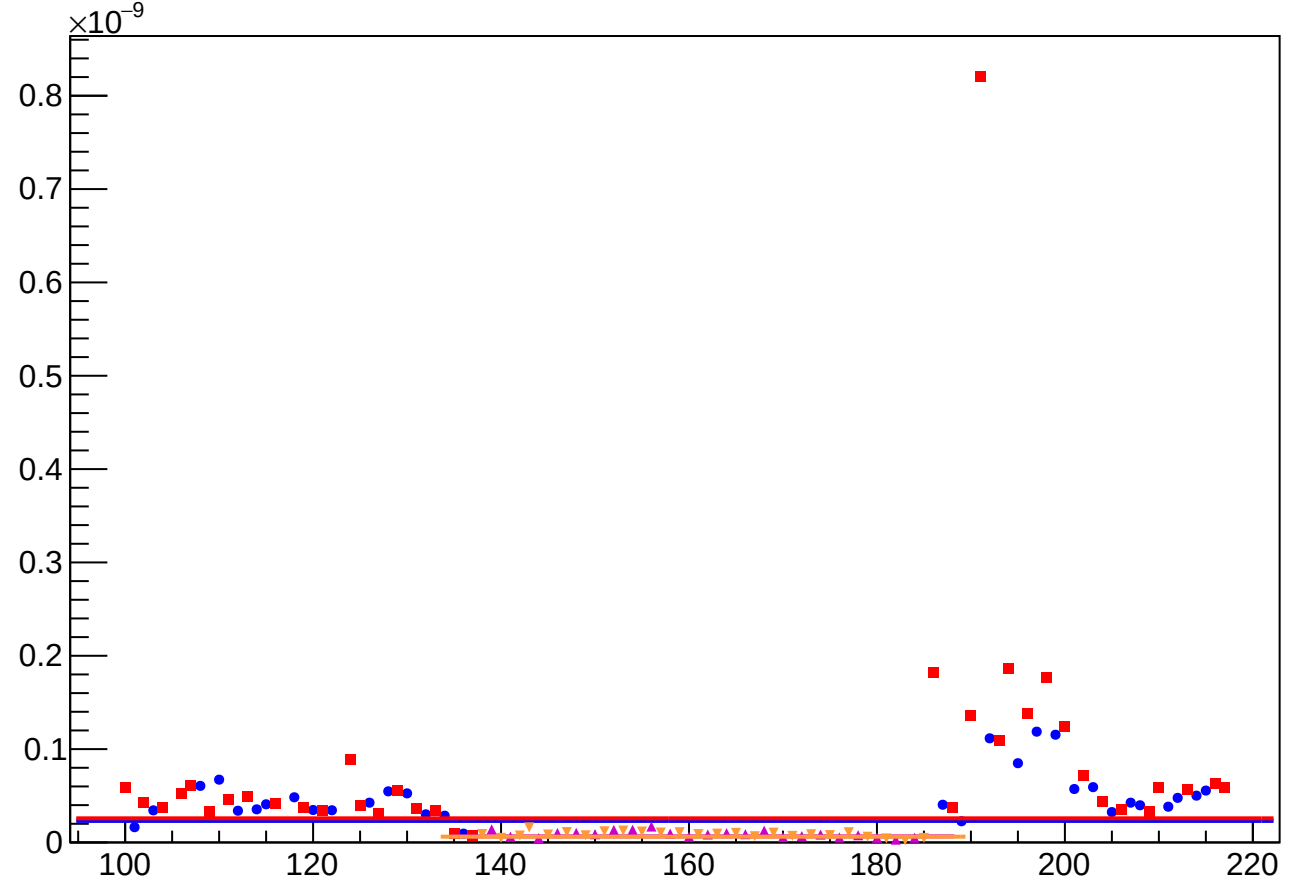
Right Out: 0.000+/-0.000 χ^2/NDF: 50.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/55

All: 0.000+/-0.000 χ^2/NDF: 126.1/114

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8535778.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

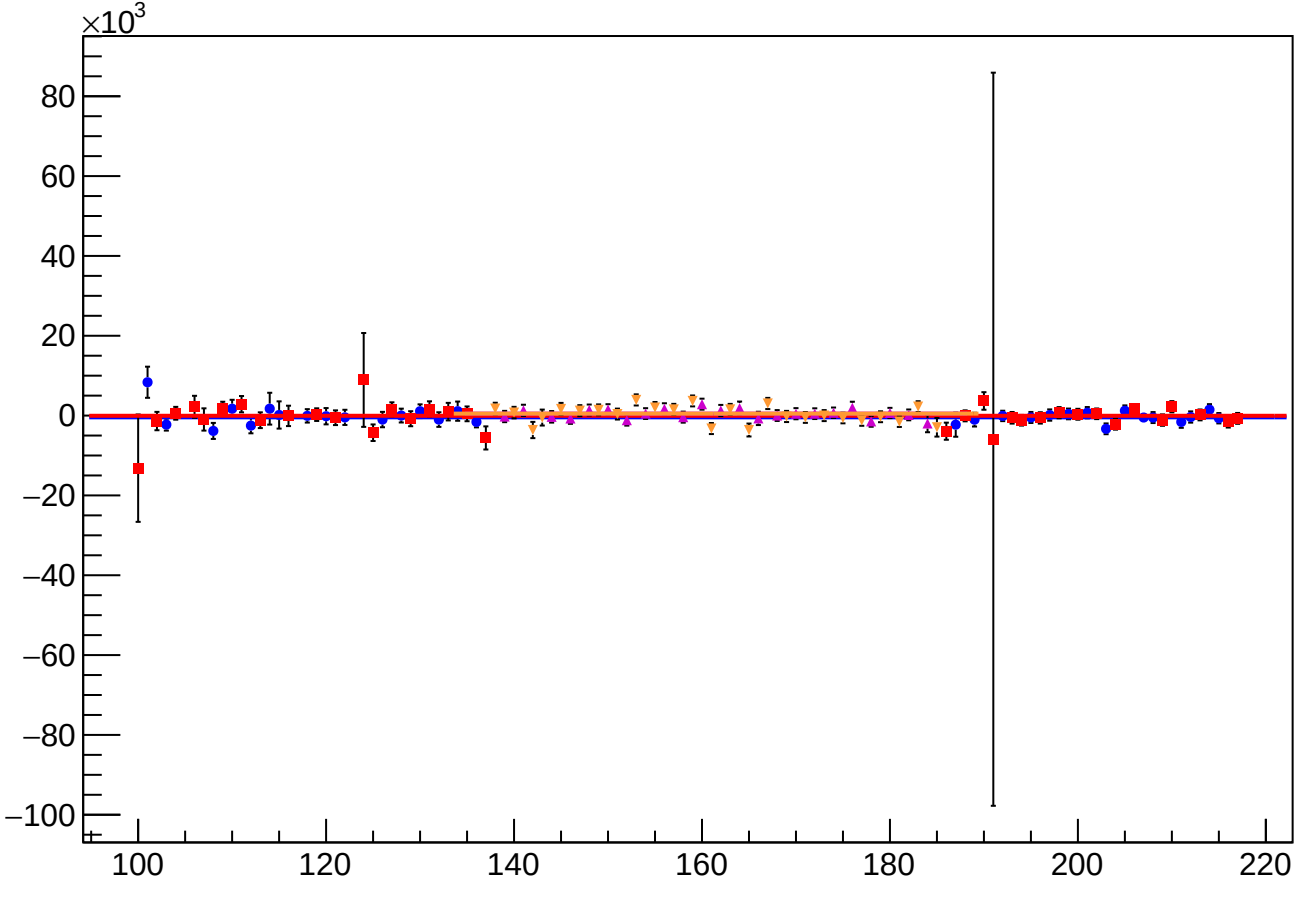
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 20722197.1/55

All: 0.000+/-0.000 χ^2/NDF: 43731684.8/114

- sign 0.000+/-0.000 χ^2/NDF: 22983801.1/58

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

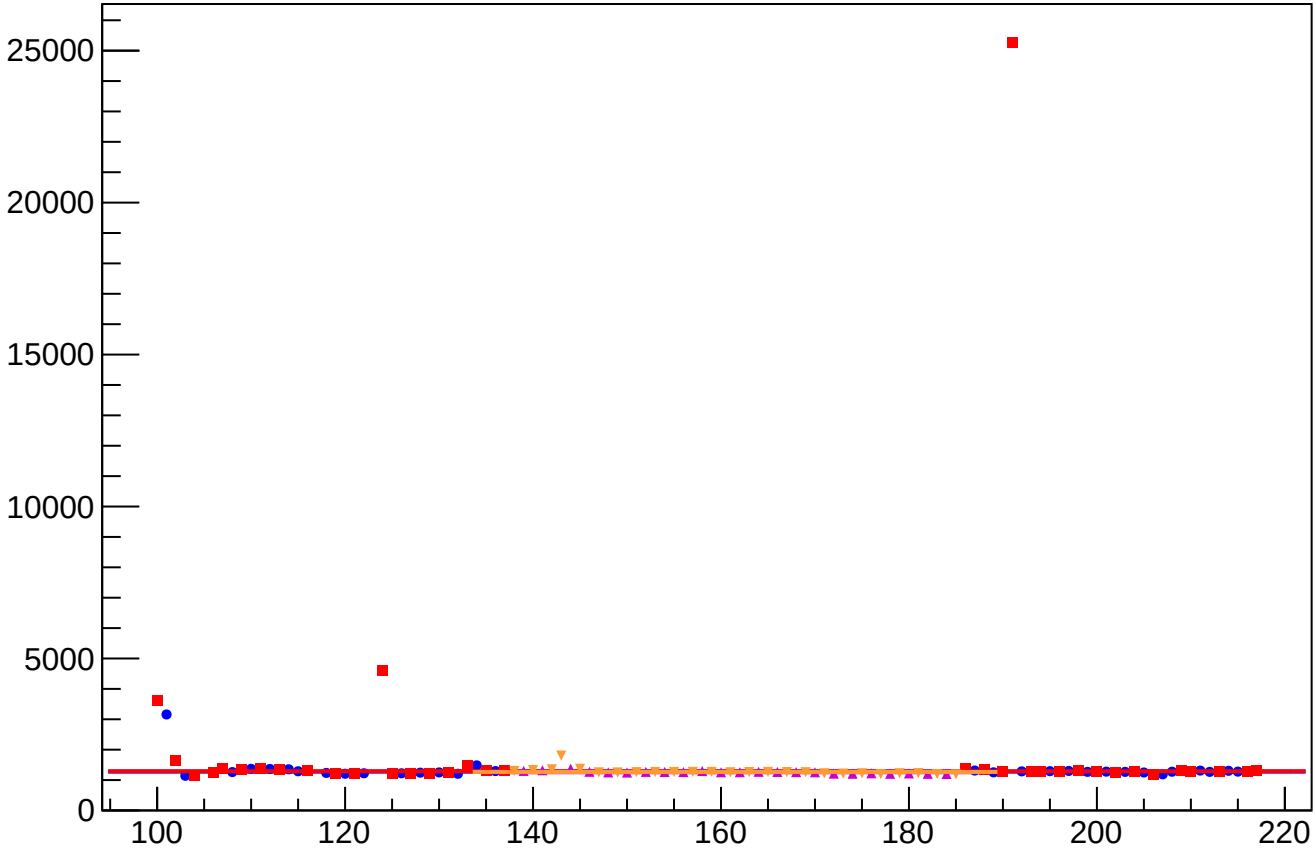
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 34.321+/-205.653 χ^2/NDF: 76.5/55

All: 123.849+/-145.421 χ^2/NDF: 125.5/114

- sign 213.382+/-205.660 χ^2/NDF: 48.6/58

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

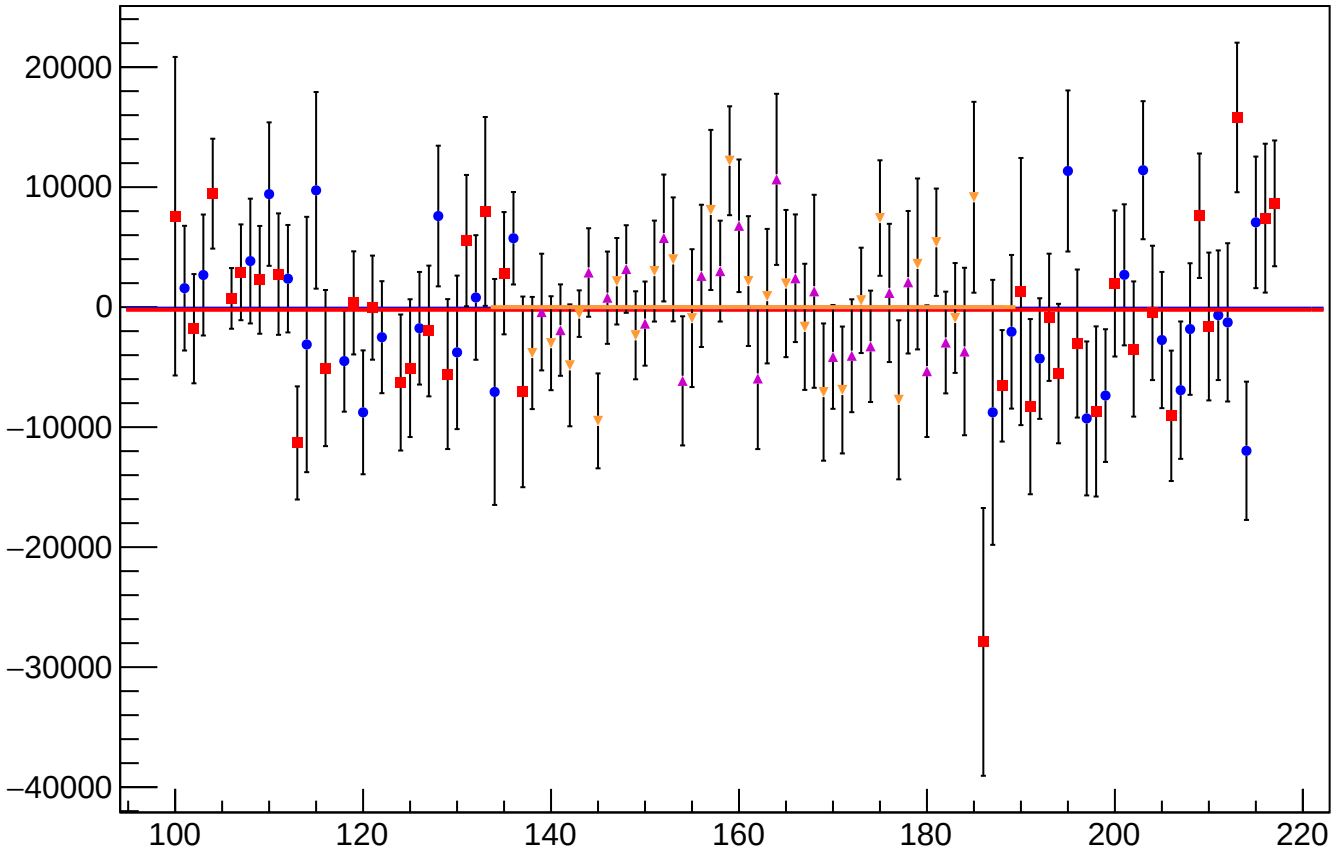
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719404.7/55

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

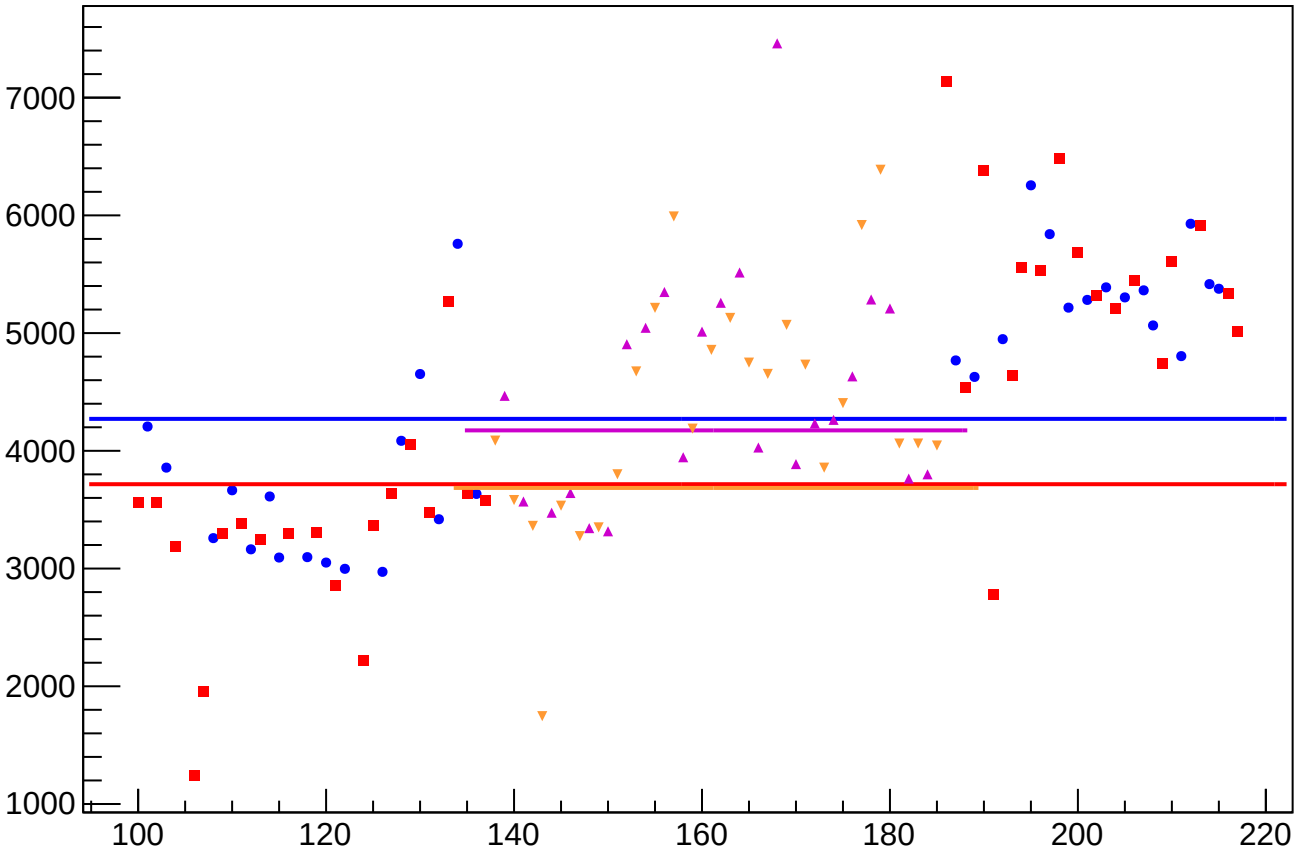
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -54.352+/-664.035 χ^2/NDF: 63.7/55

All: -95.644+/-468.505 χ^2/NDF: 124.4/114

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4271.434+/-0.709 χ^2/NDF: 2039285.0/30

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

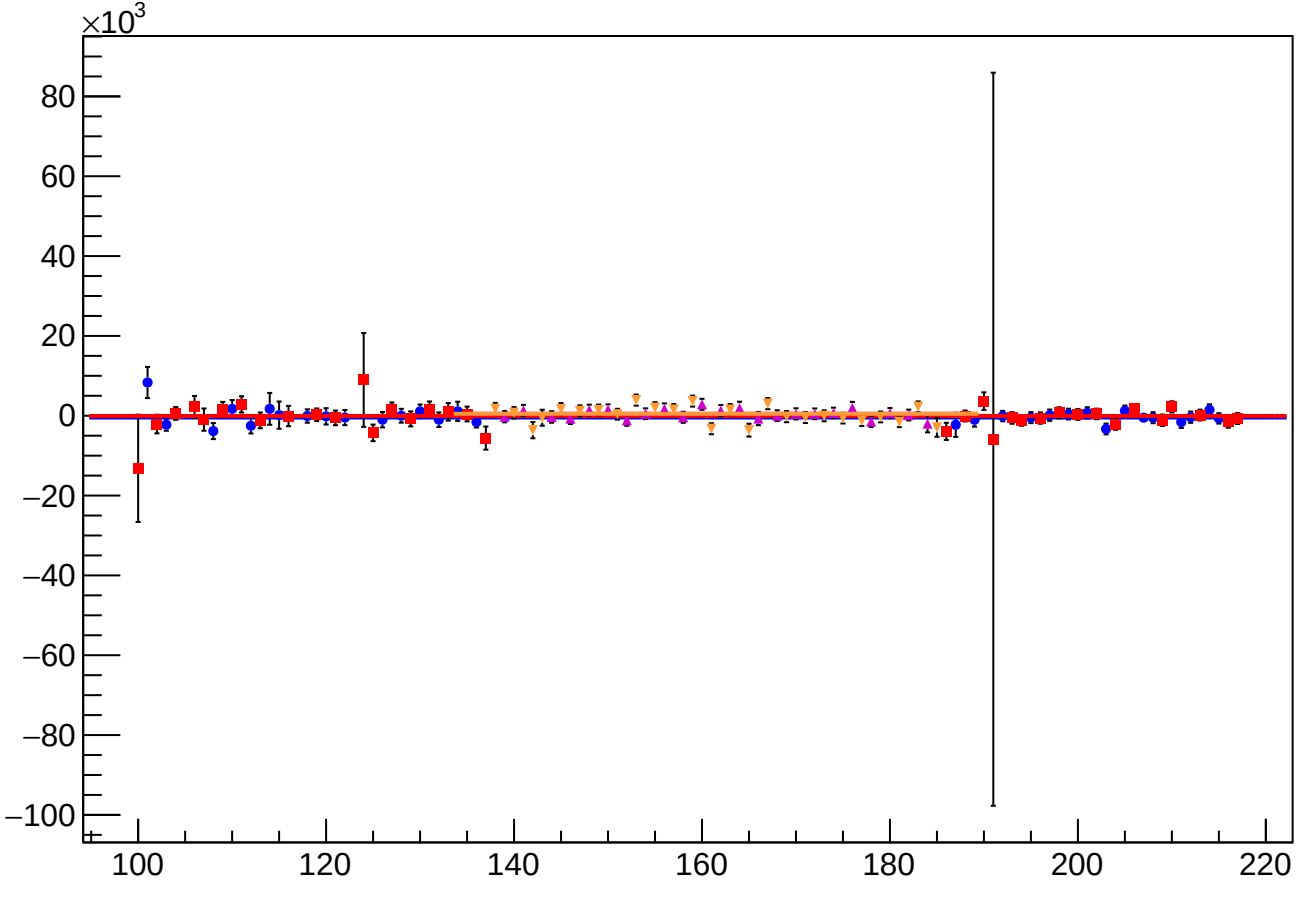
Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3942.259+/-0.470 χ^2/NDF: 6117377.4/55

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1

- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

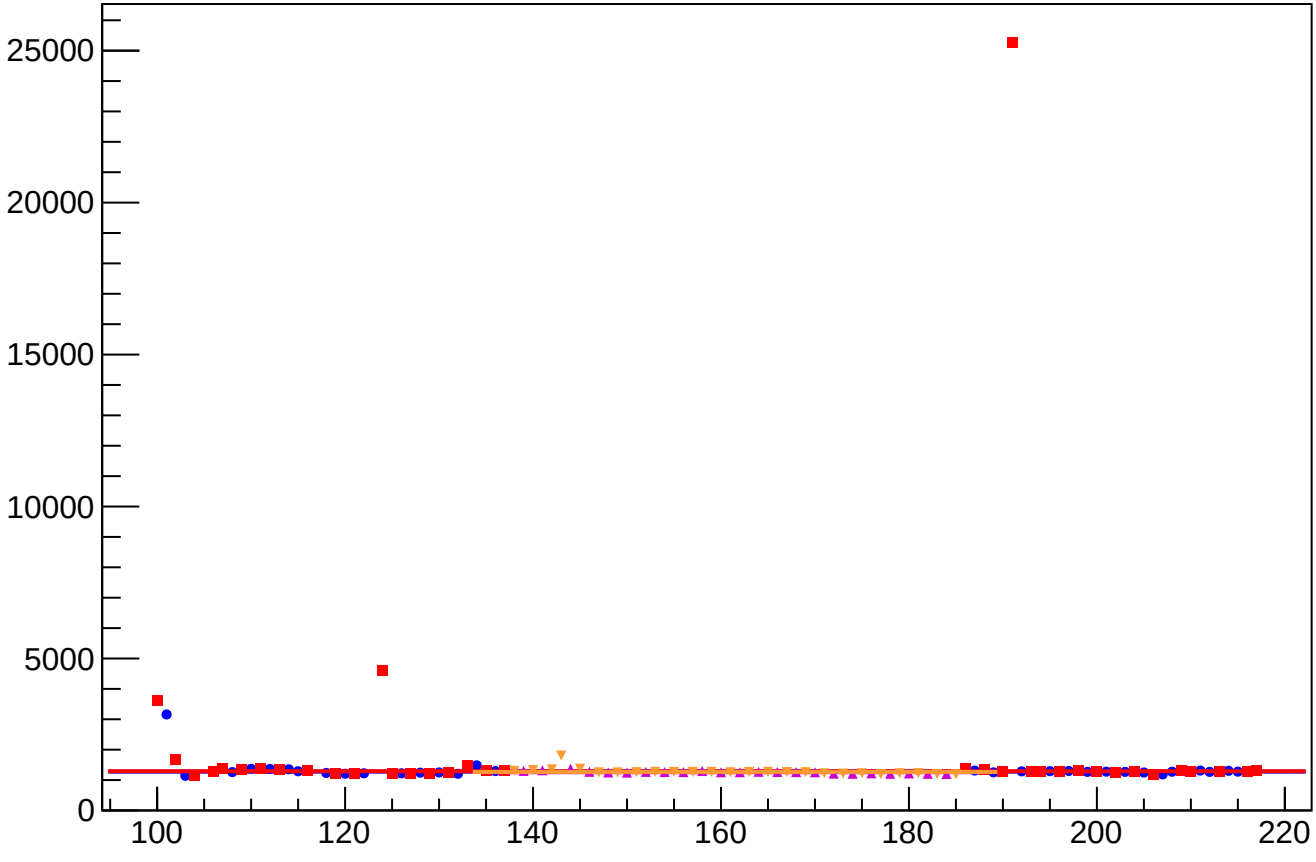
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

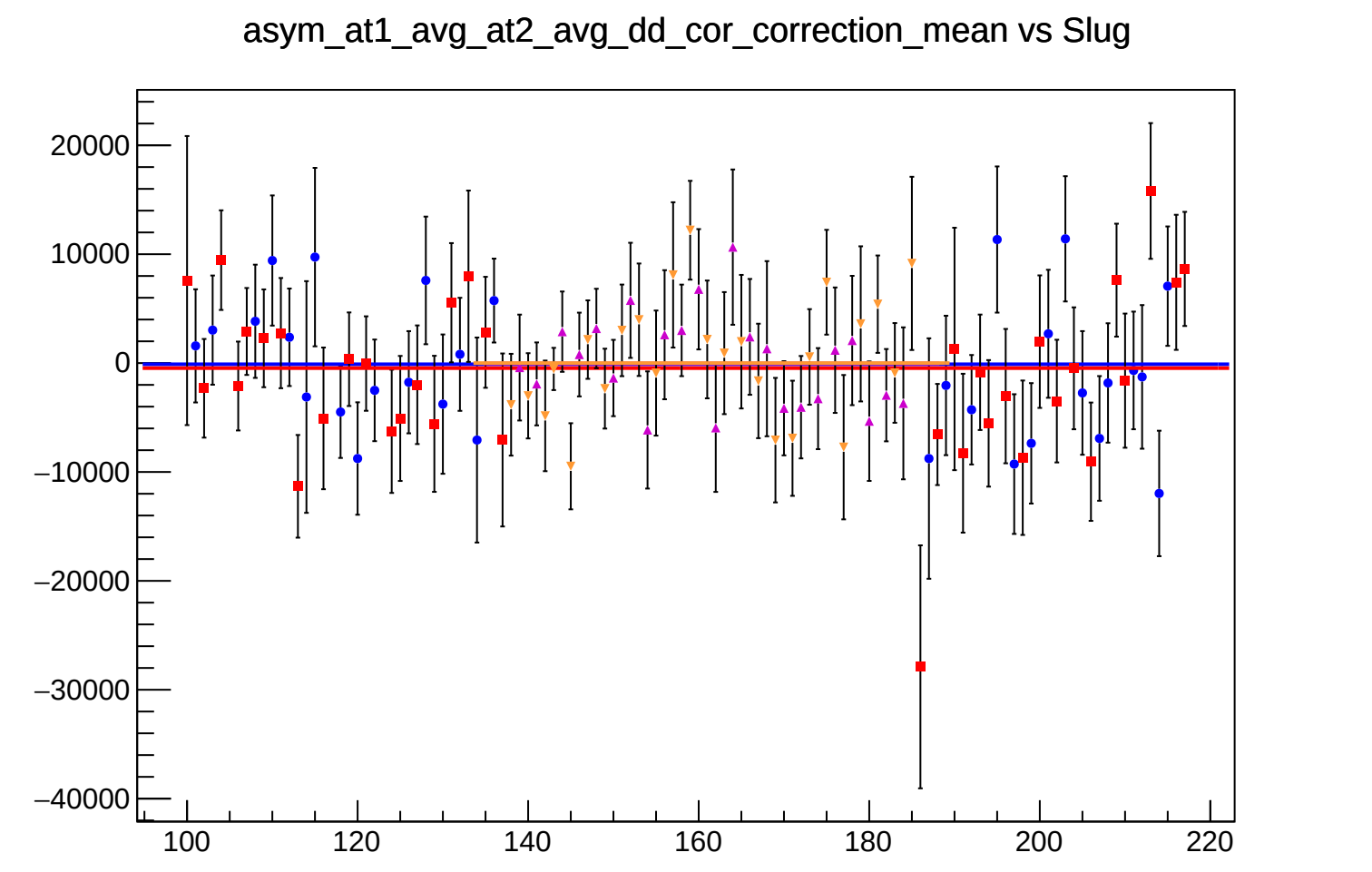
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

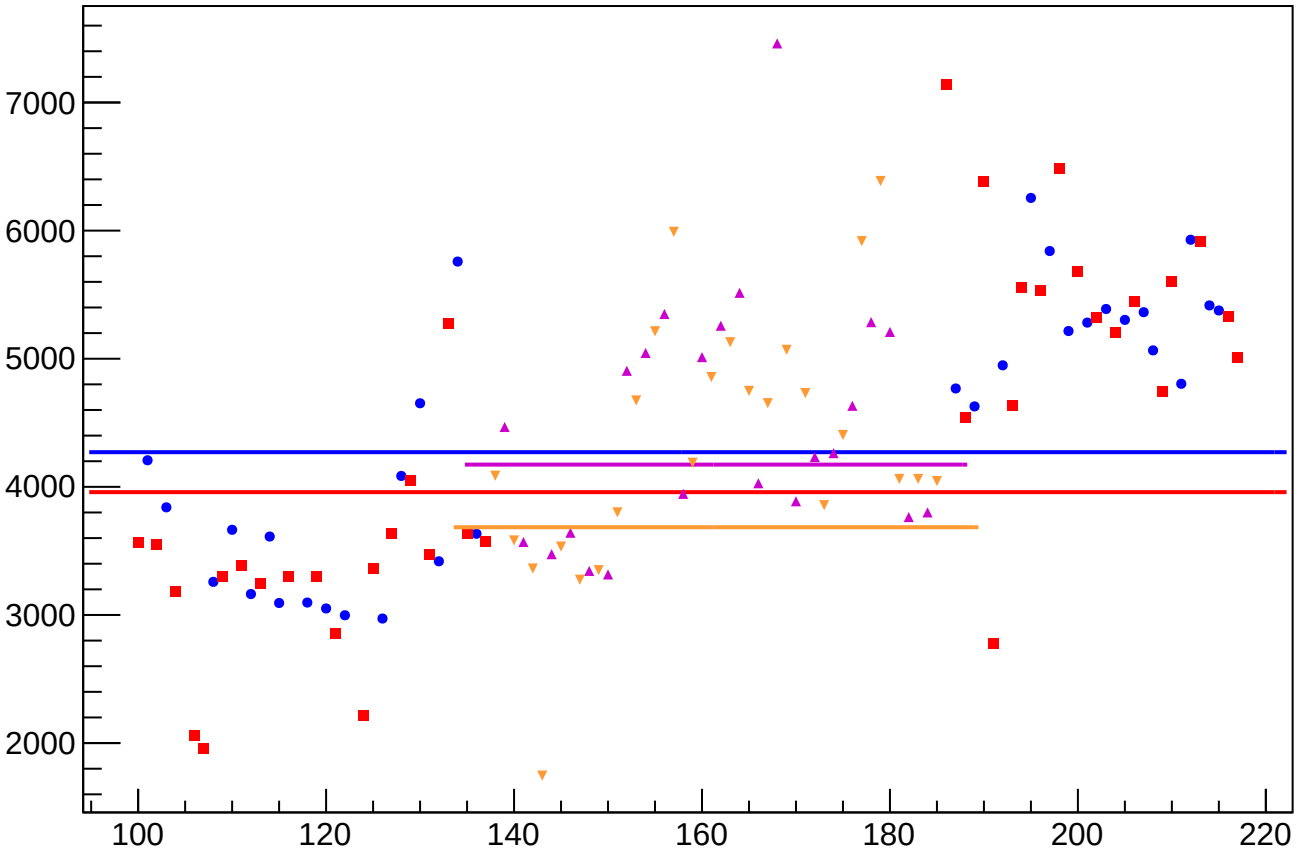
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

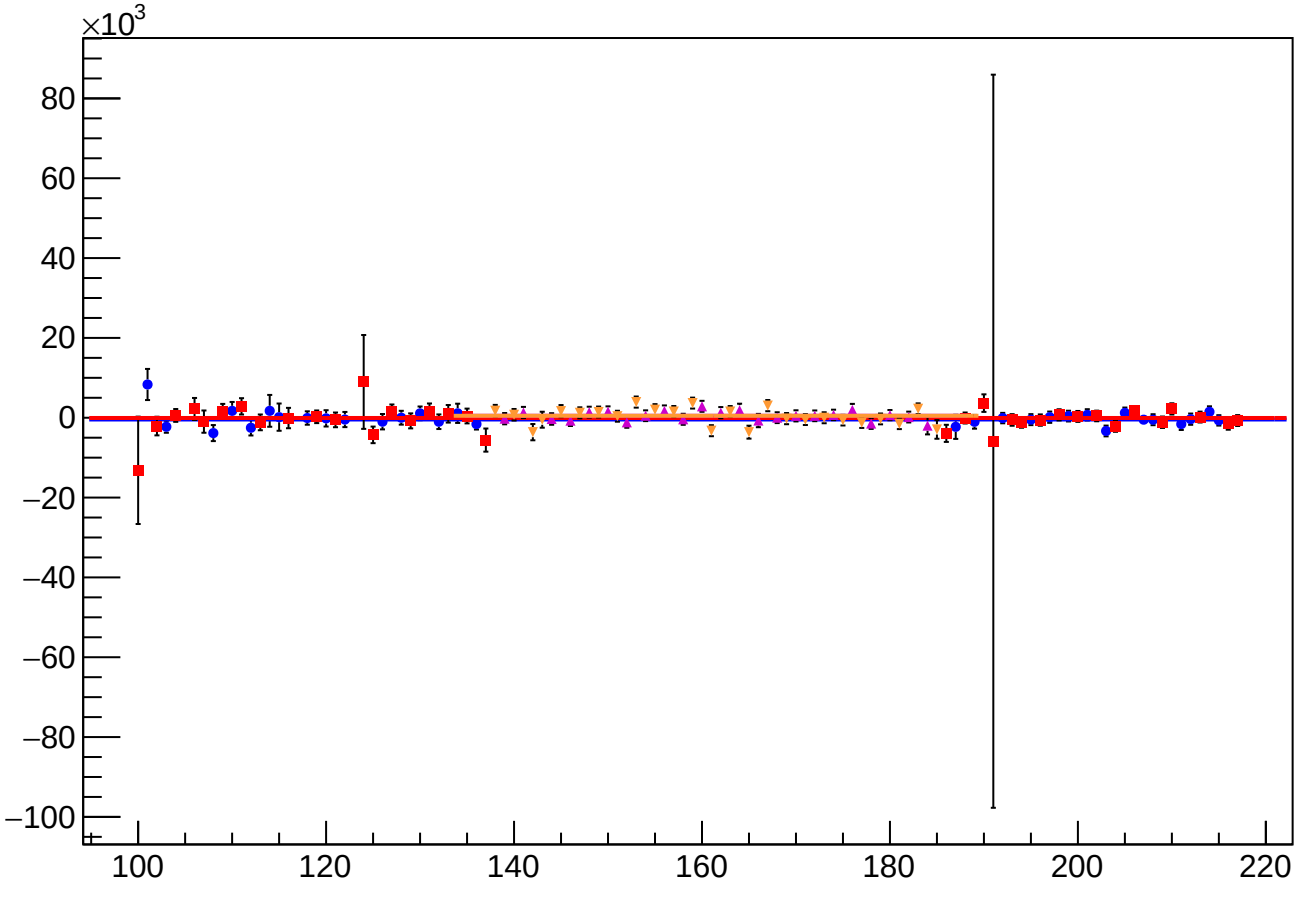
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

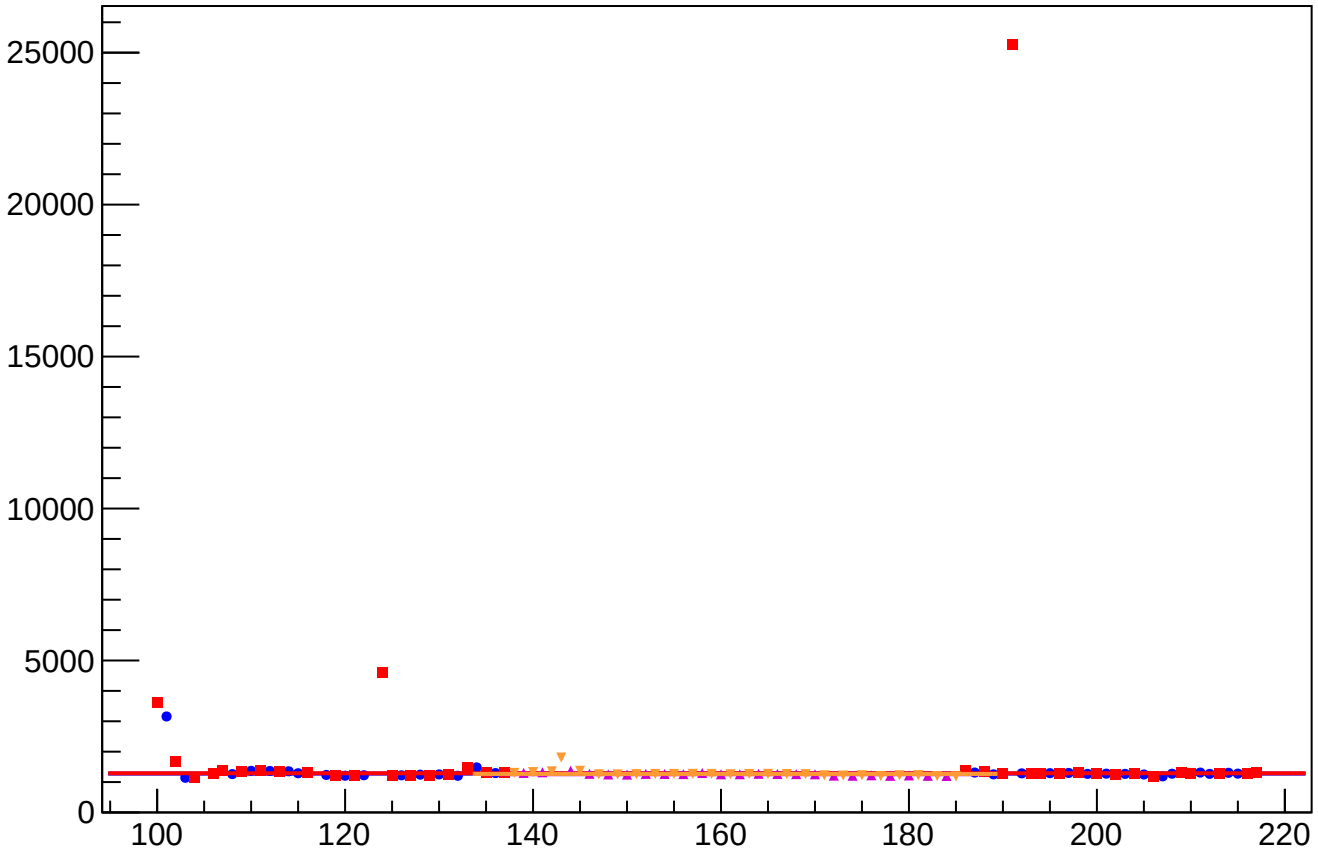
Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

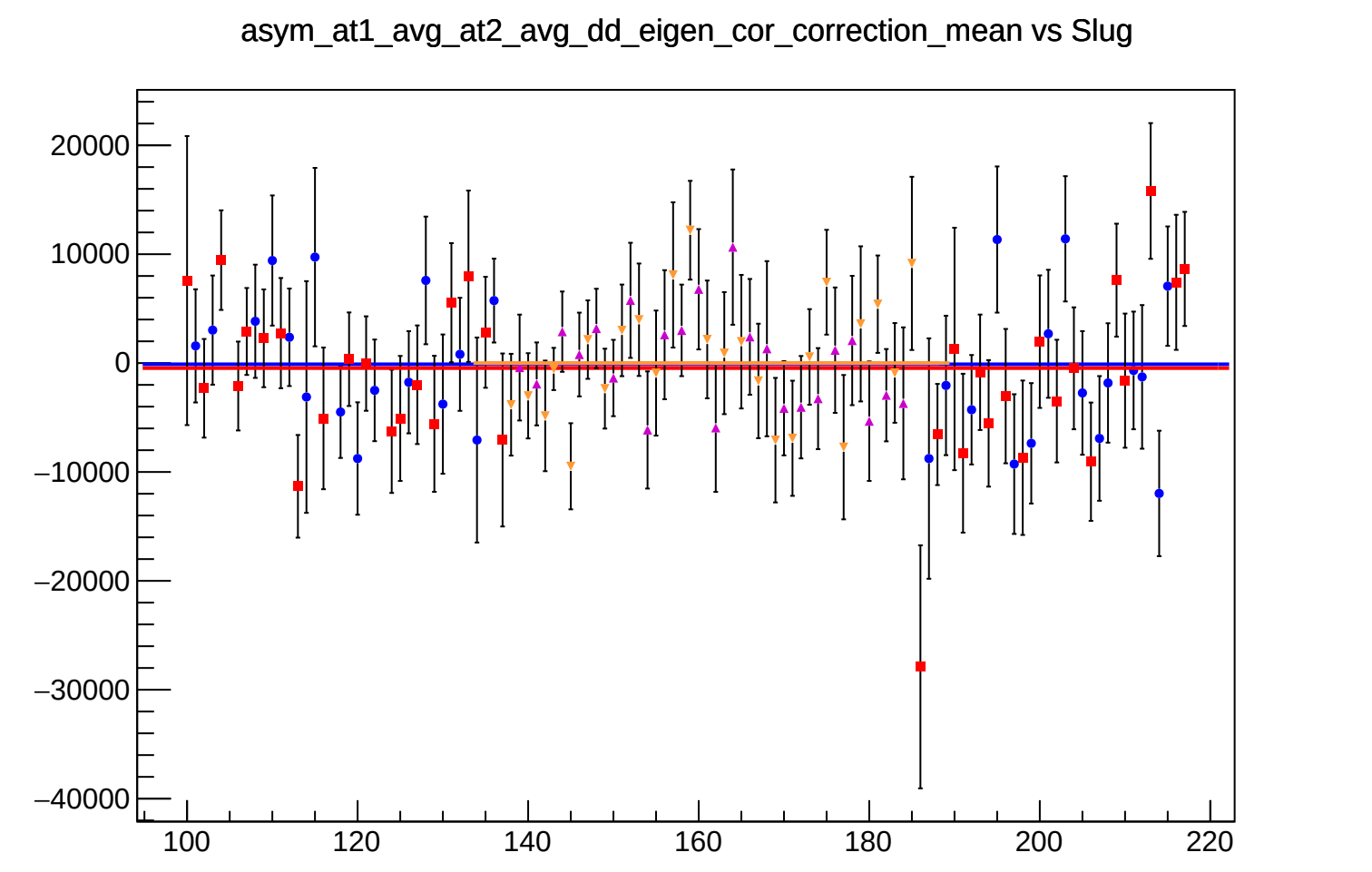
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

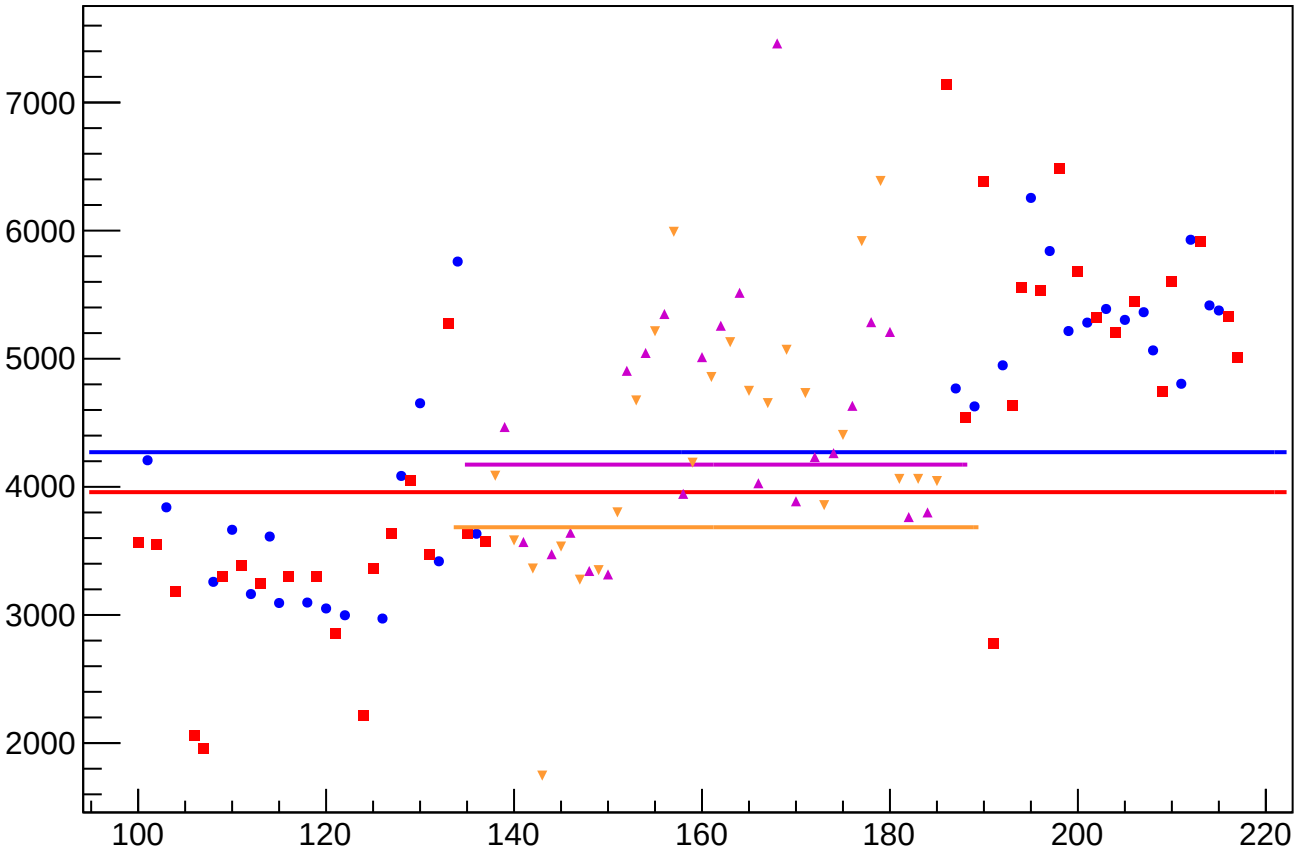
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

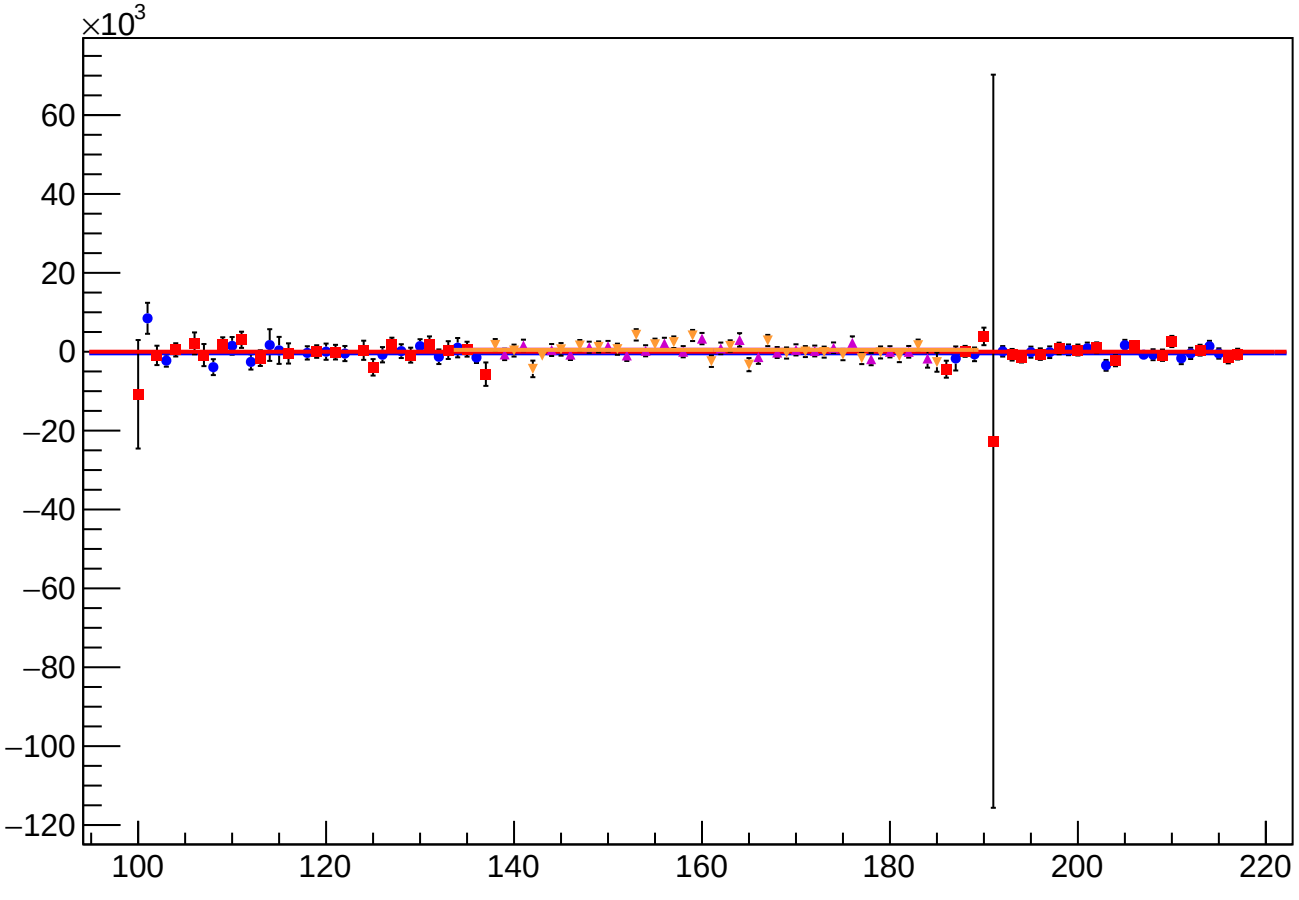
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

\- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

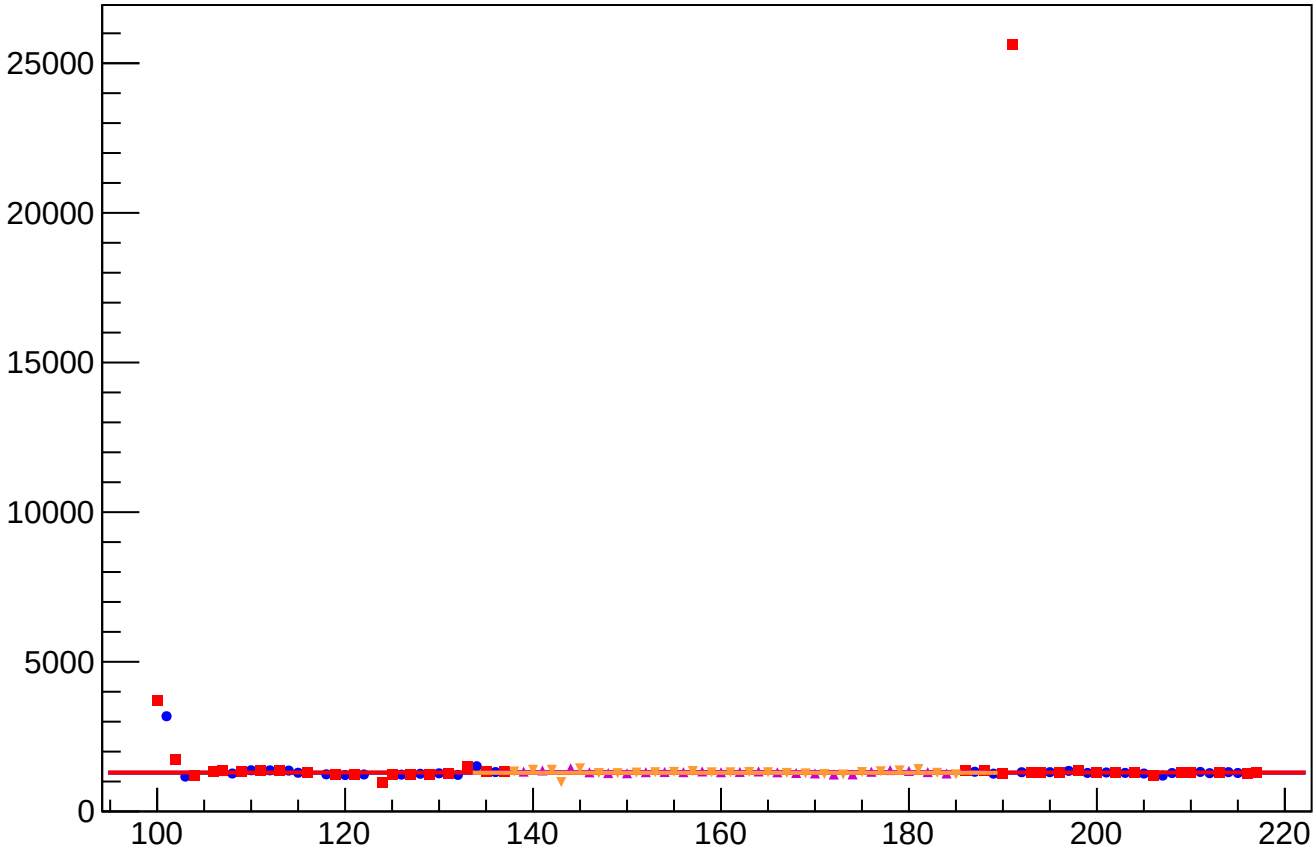
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 36.262+/-209.021 χ^2/NDF: 74.1/55

All: 136.694+/-148.461 χ^2/NDF: 127.4/114

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

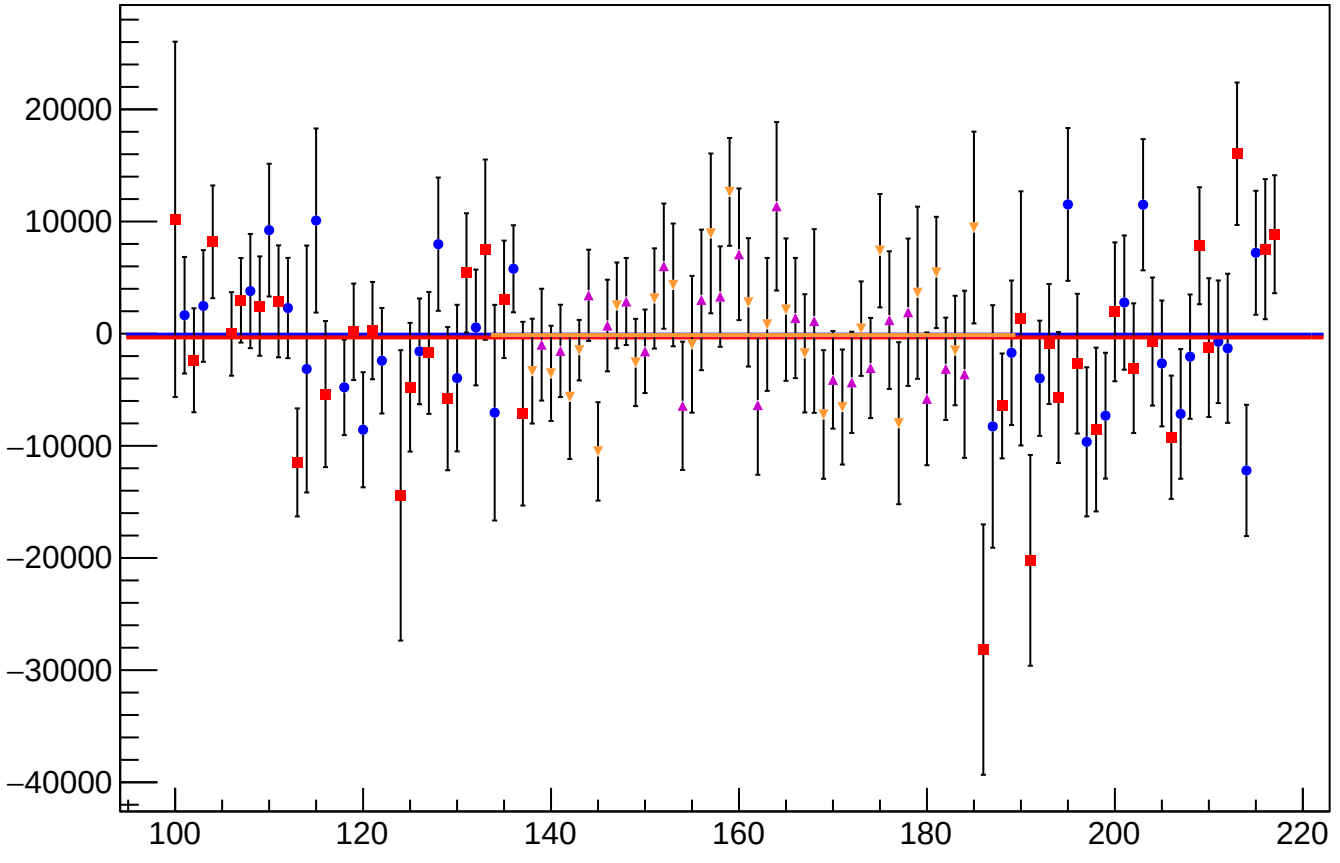
Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.987+/-0.148 χ^2/NDF: 761091.5/55

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

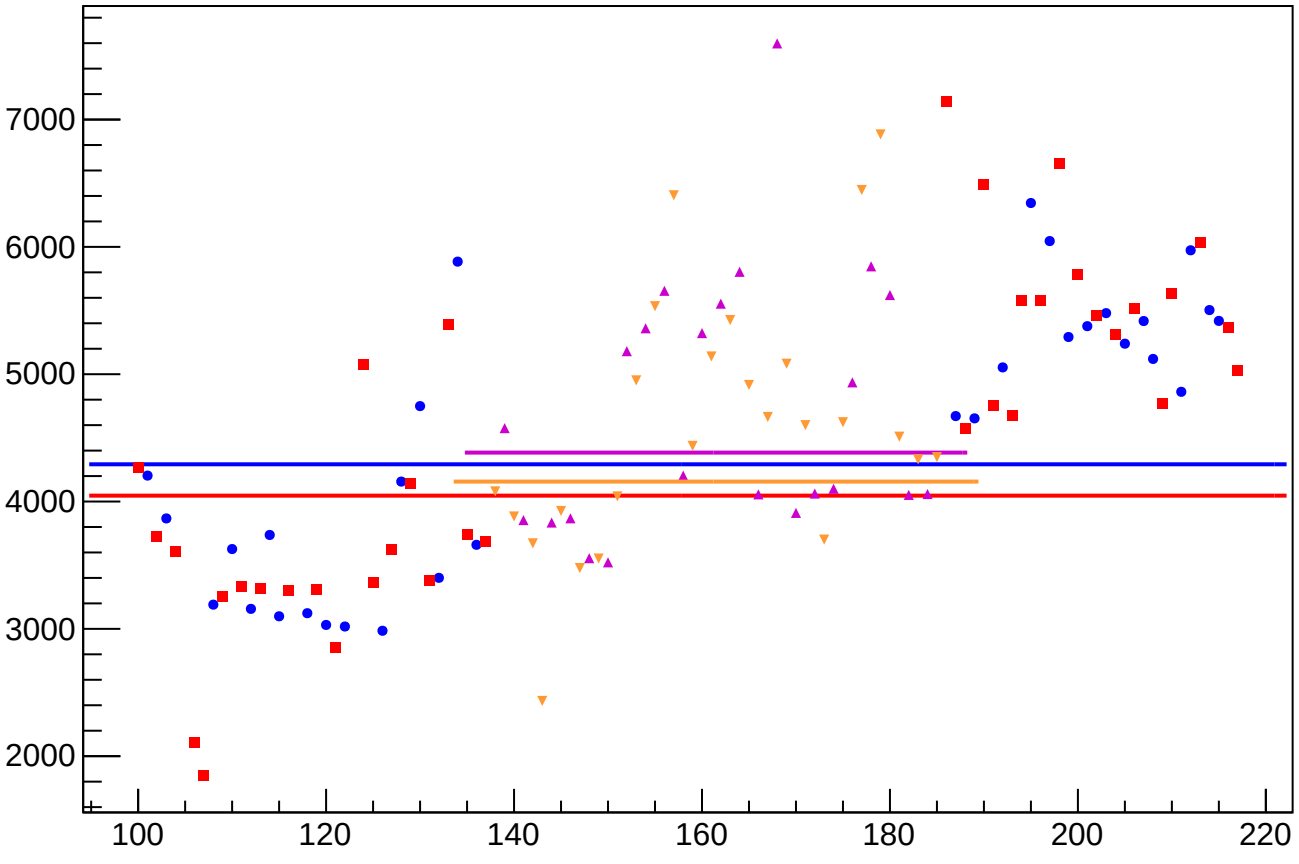
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -109.101+/-701.768 χ^2/NDF: 63.1/55

All: -183.603+/-494.420 χ^2/NDF: 125.3/114

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

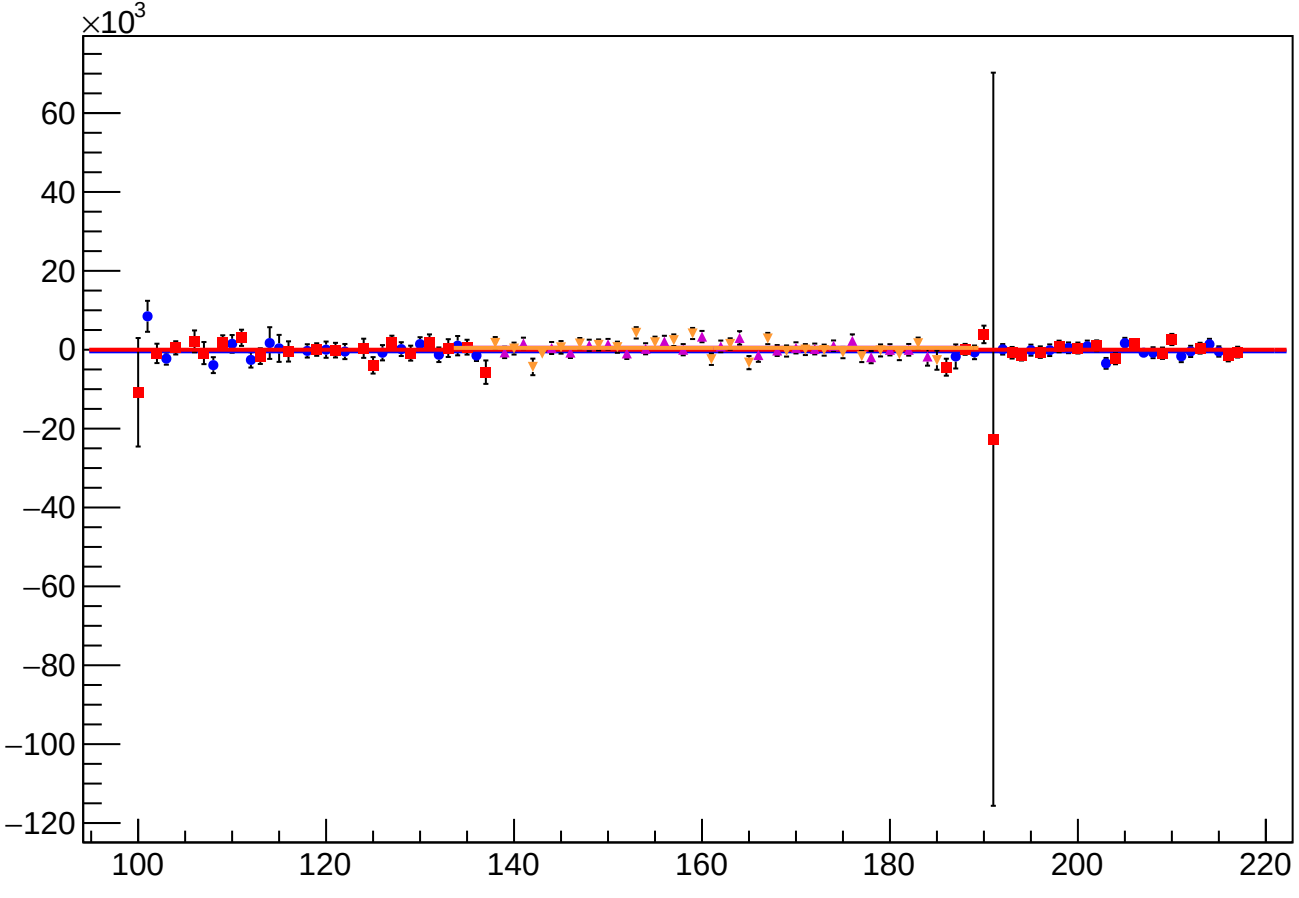
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4222.395+/-0.496 χ^2/NDF: 4241563.6/55

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

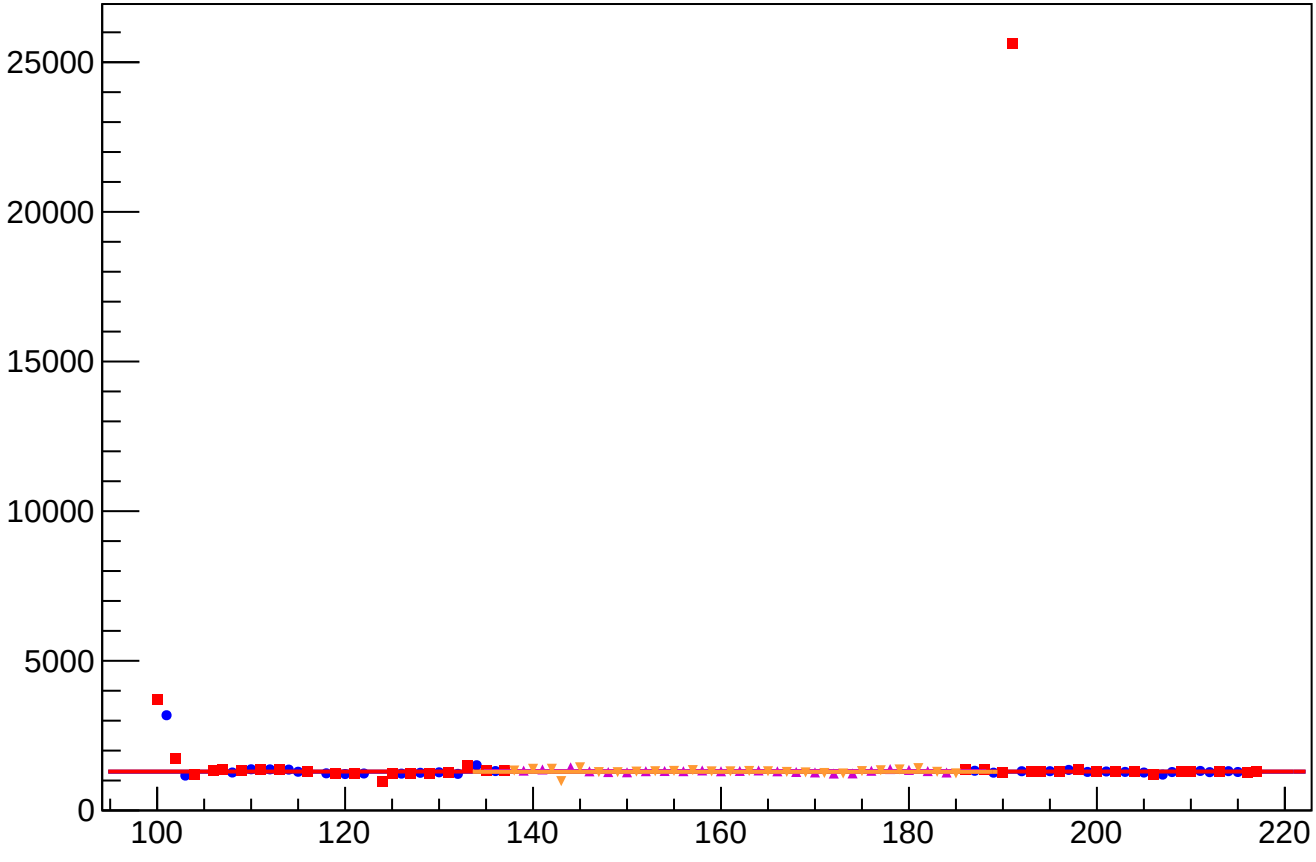
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign 36.264+/-209.021 χ^2/NDF: 74.1/55

All: 136.695+/-148.461 χ^2/NDF: 127.4/114

\- sign 238.943+/-210.904 χ^2/NDF: 52.8/58

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

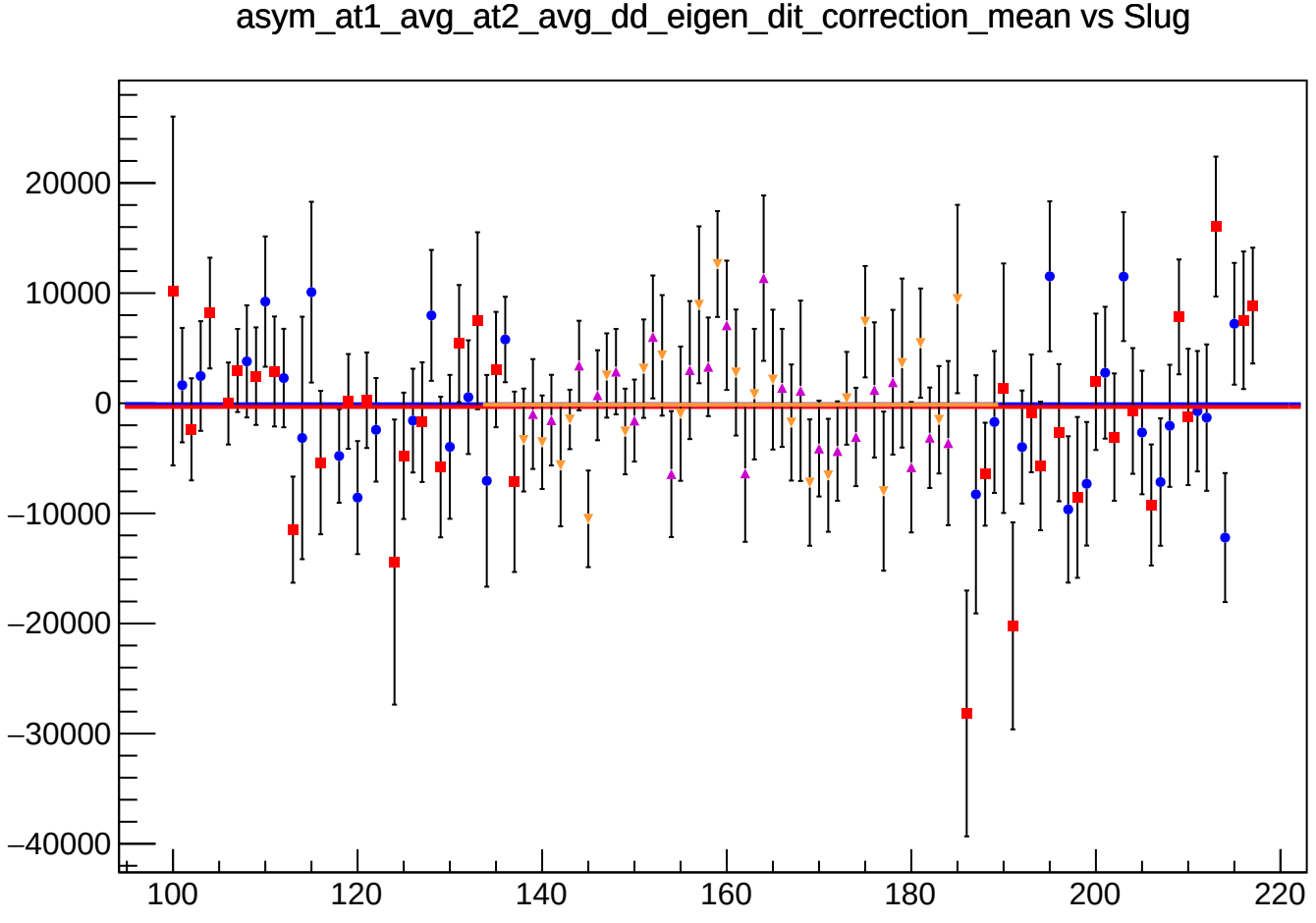
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.988+/-0.148 χ^2/NDF: 761093.9/55

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

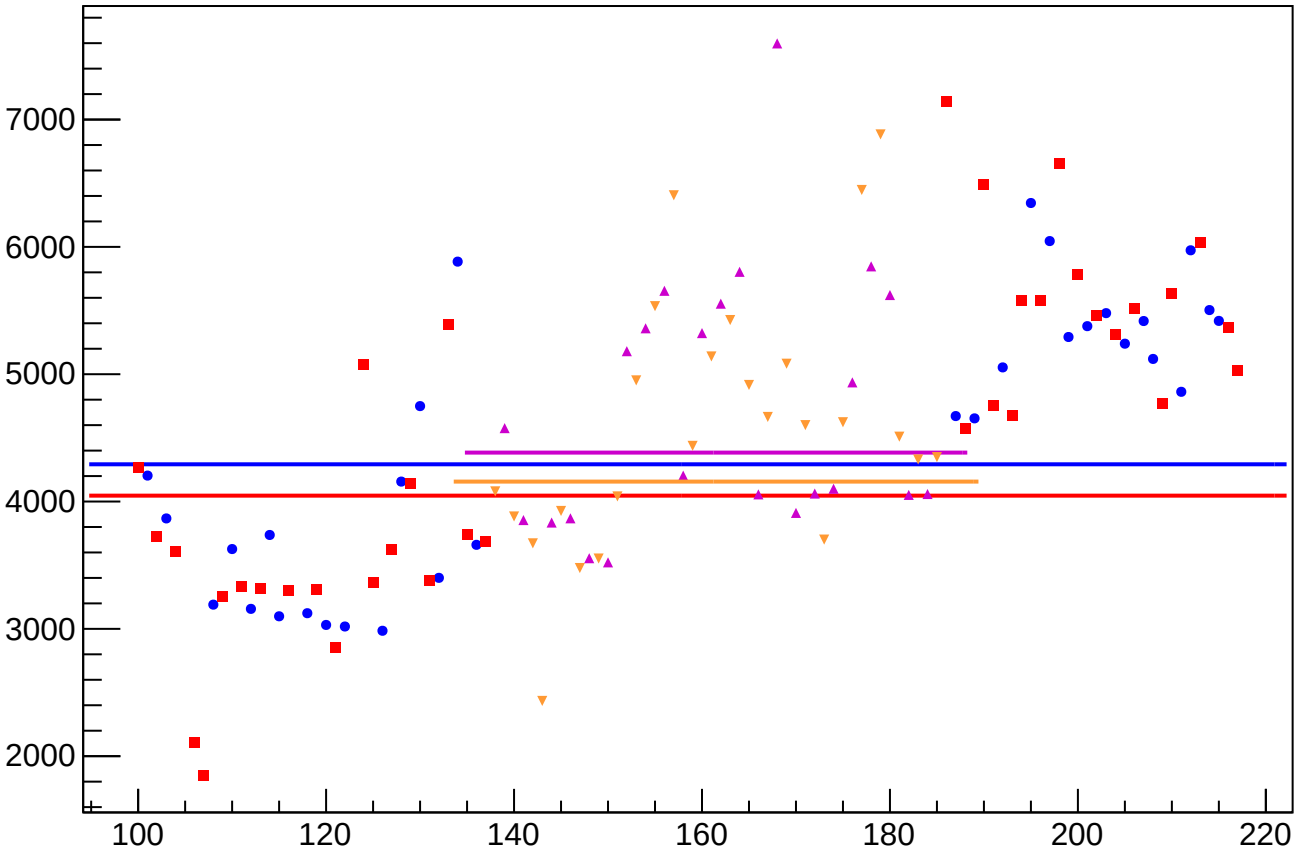
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -109.102+/-701.768 χ^2/NDF: 63.1/55

All: -183.602+/-494.420 χ^2/NDF: 125.3/114

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

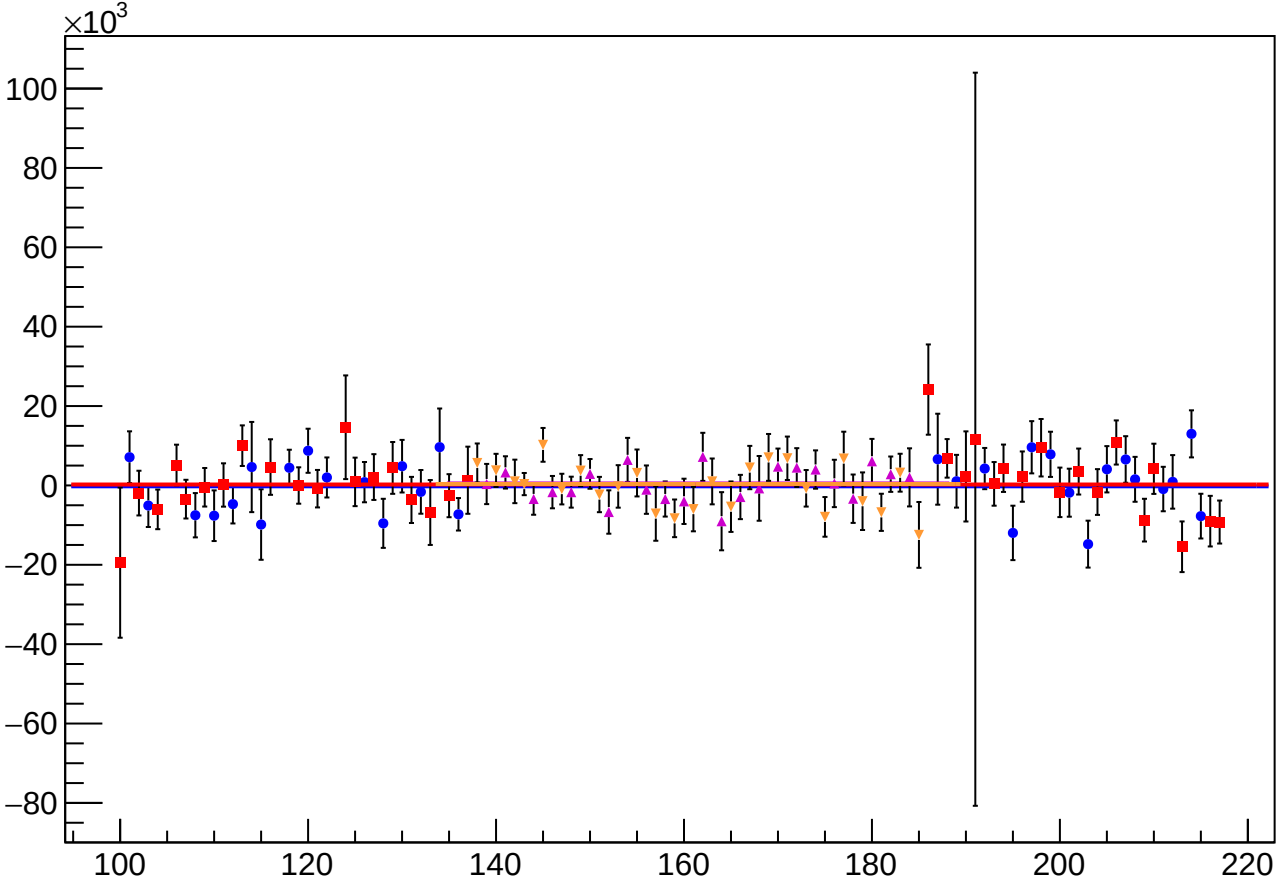
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4222.396+/-0.496 χ^2/NDF: 4241601.7/55

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11

- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

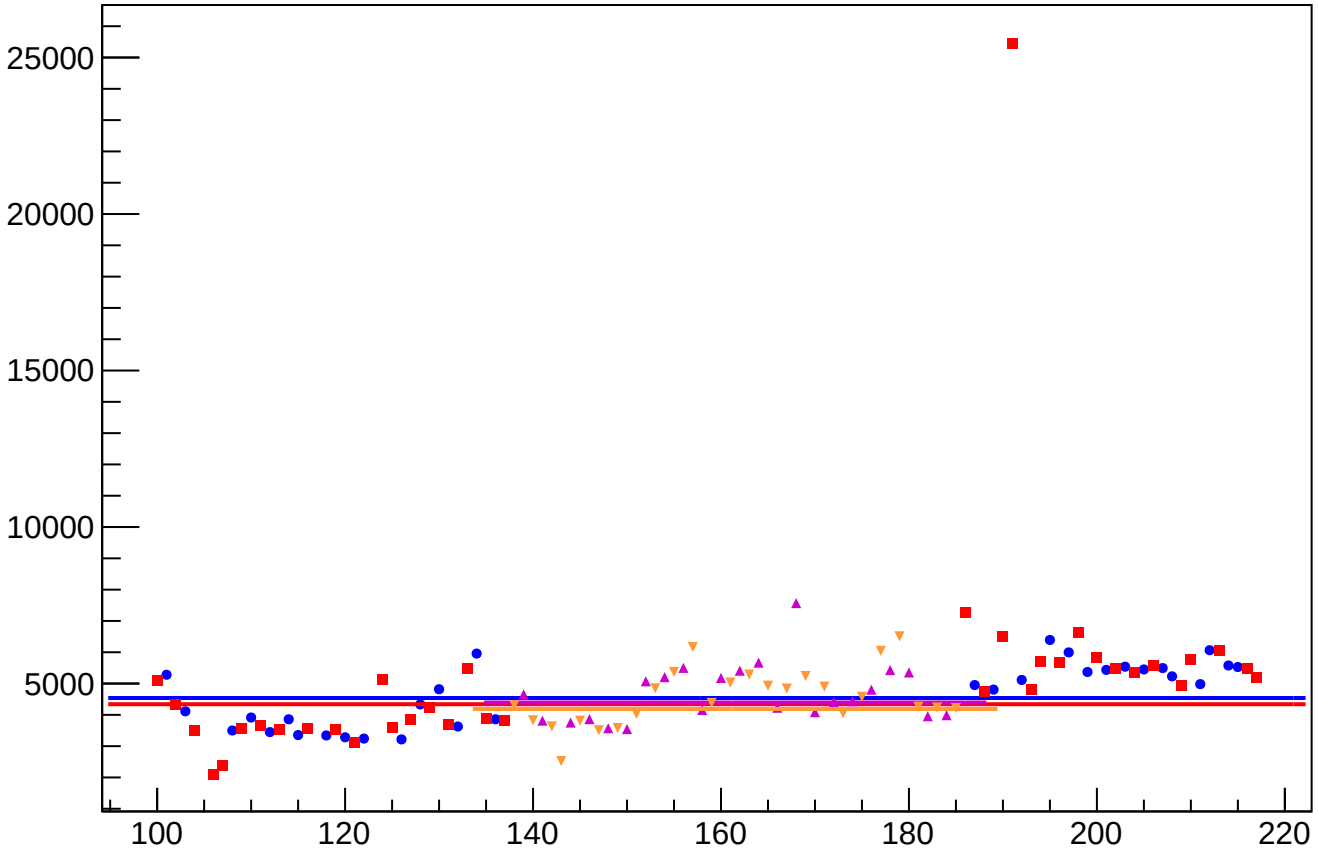
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 93.672+/-719.547 χ^2/NDF: 69.2/55

All: 224.820+/-510.862 χ^2/NDF: 121.8/114

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4538.146+/-0.750 χ^2/NDF: 1724125.7/30

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

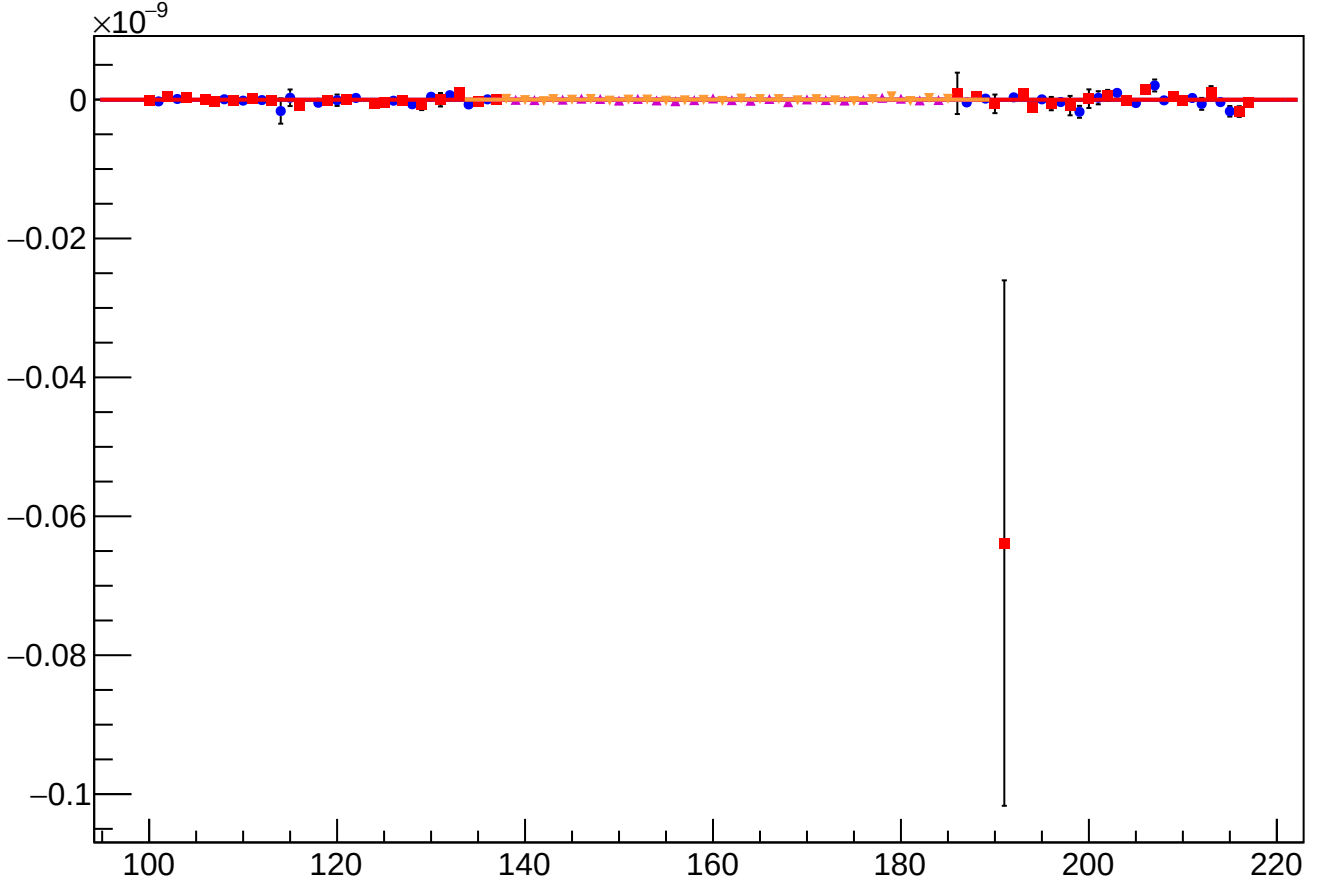
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4349.249+/-0.509 χ^2/NDF: 3638244.4/55

All: 4357.358+/-0.361 χ^2/NDF: 7620782.8/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

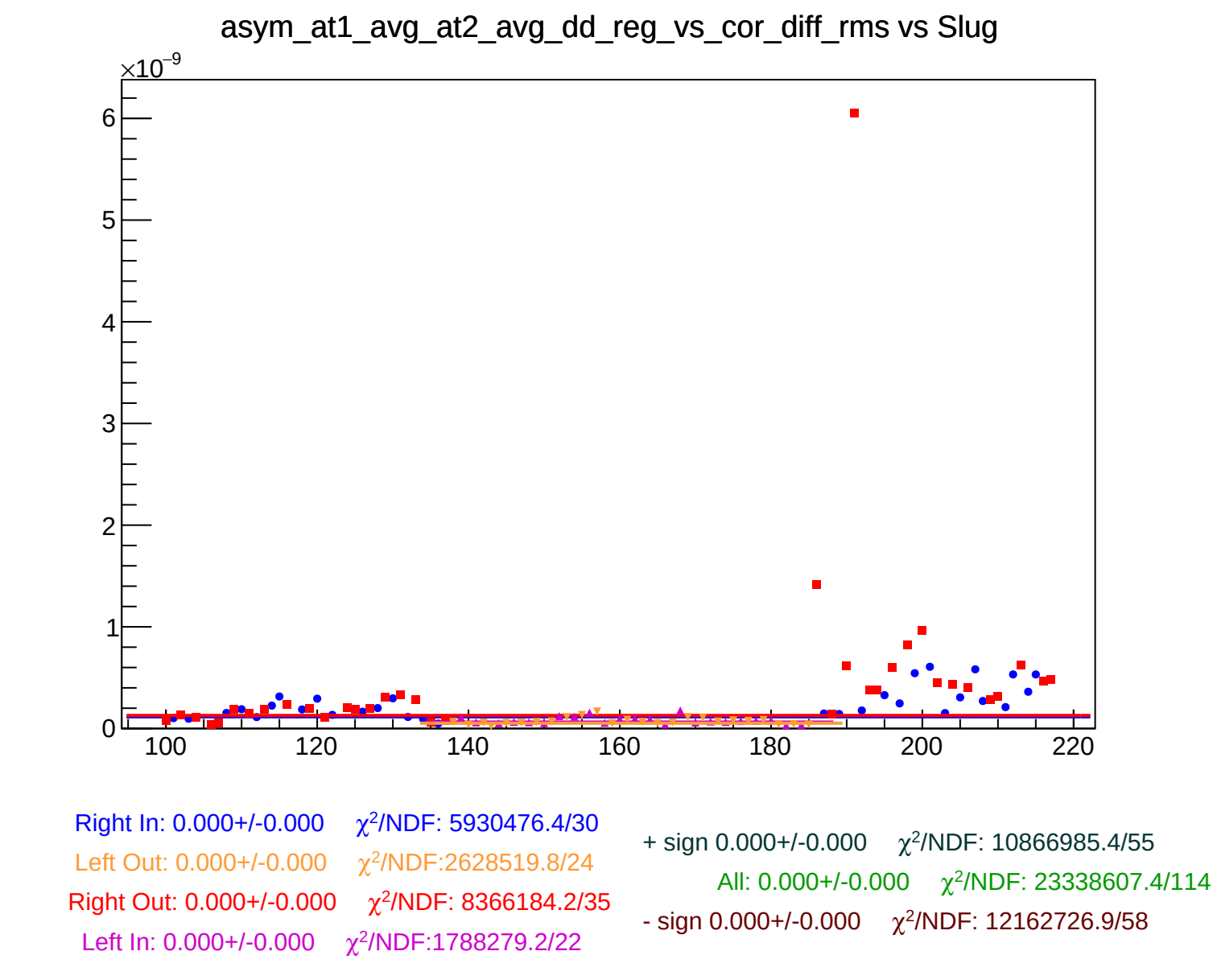
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

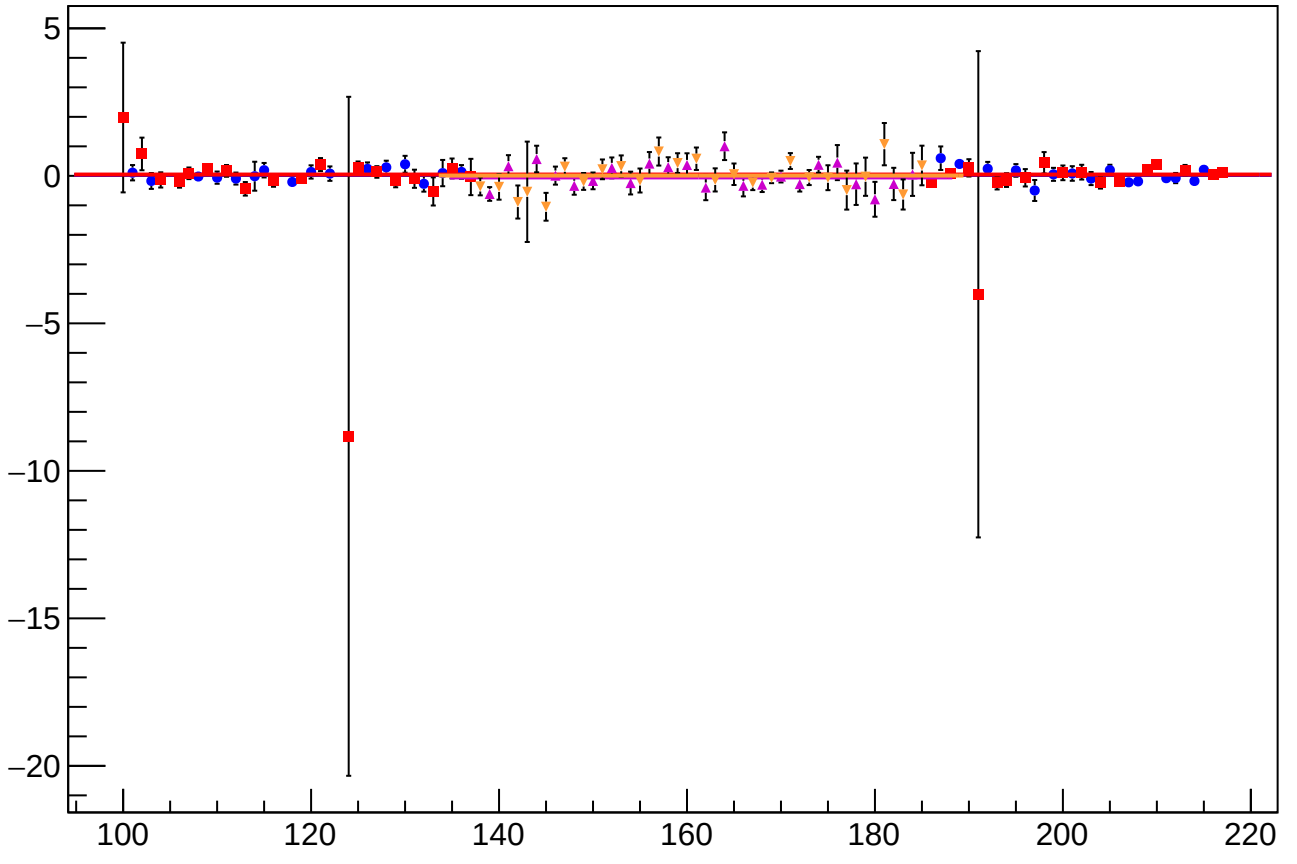
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.1/55

All: -0.000+/-0.000 χ^2/NDF: 128.8/114

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 5930476.4/30
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8366184.2/35
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10866985.4/55
All: 0.000+/-0.000 χ²/NDF: 23338607.4/114
- sign 0.000+/-0.000 χ²/NDF: 12162726.9/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

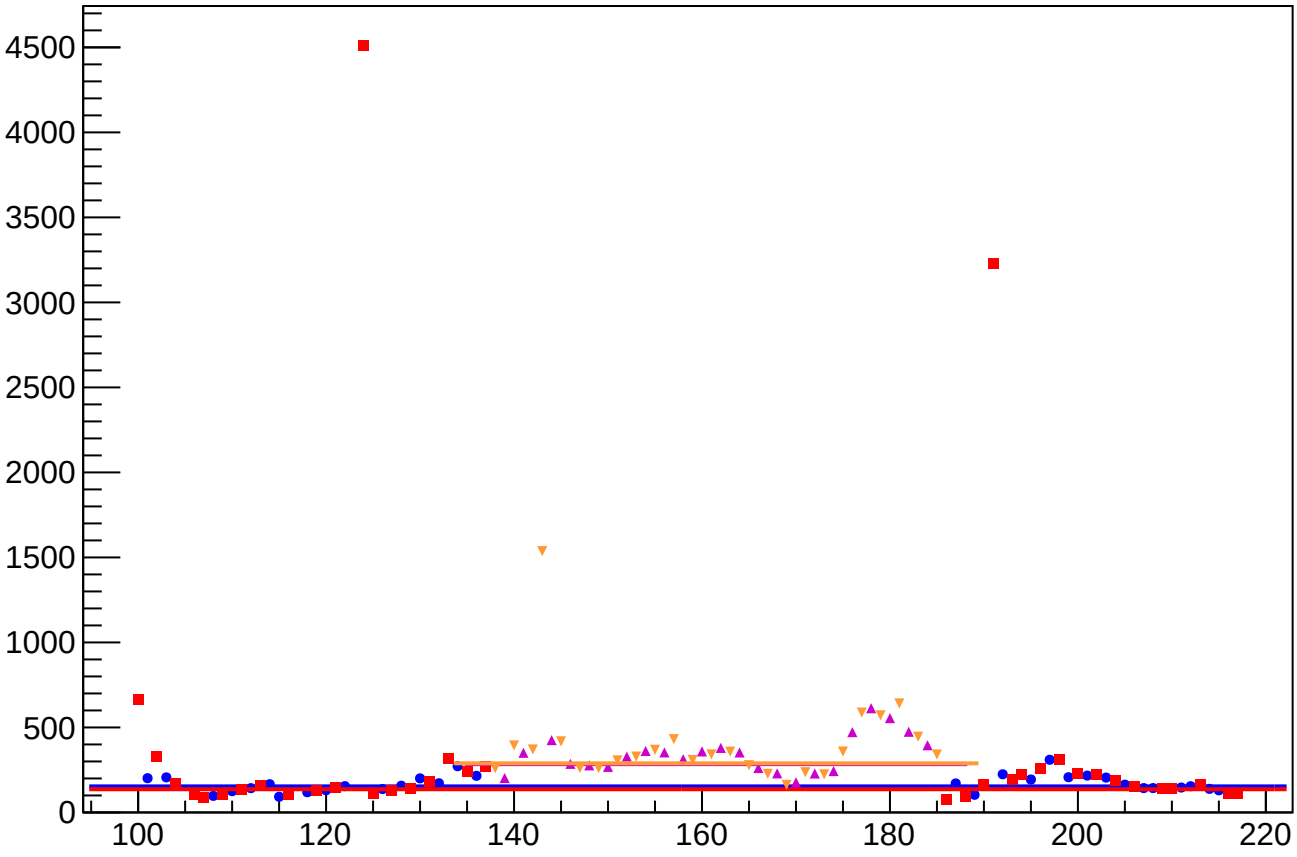
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

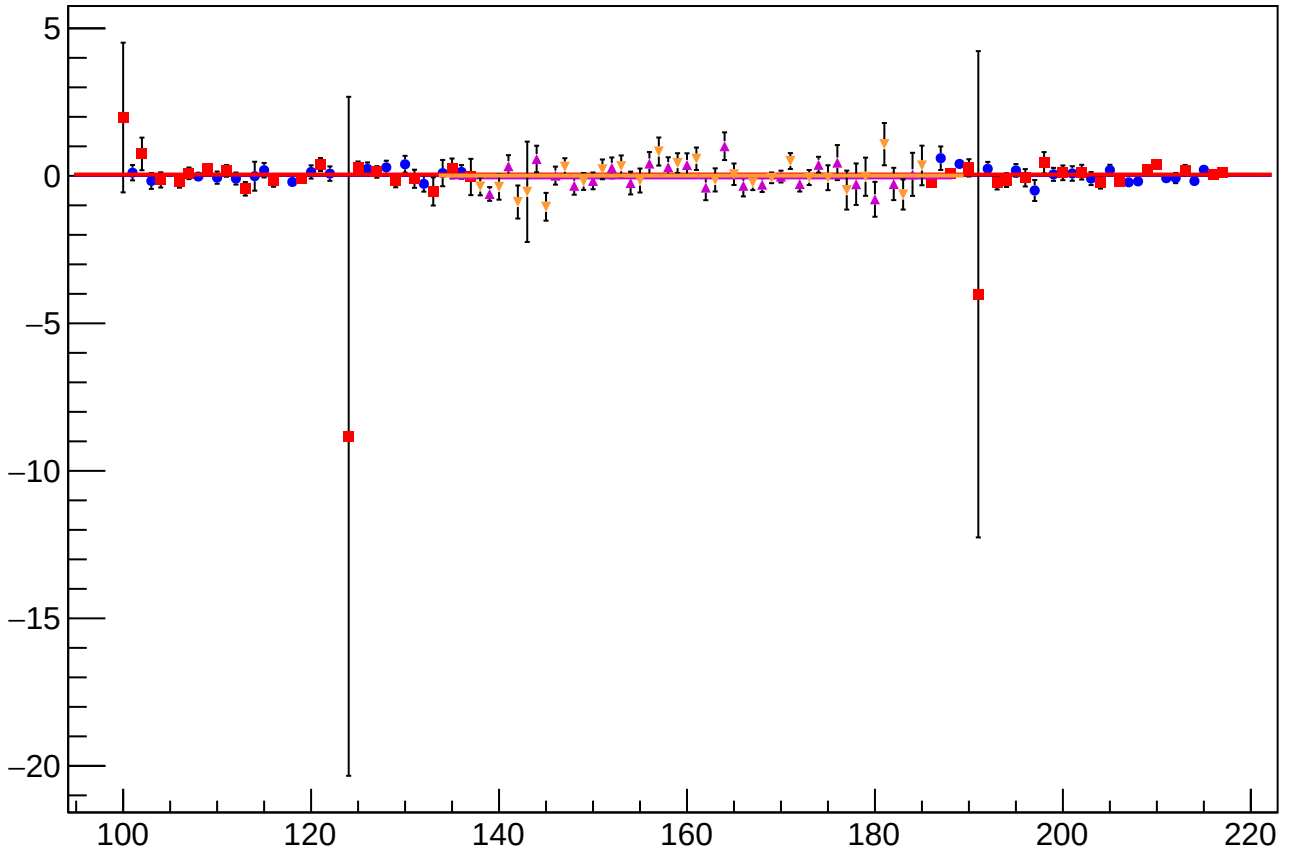
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 182.019+/-0.023 χ^2/NDF: 12746955.7/55

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

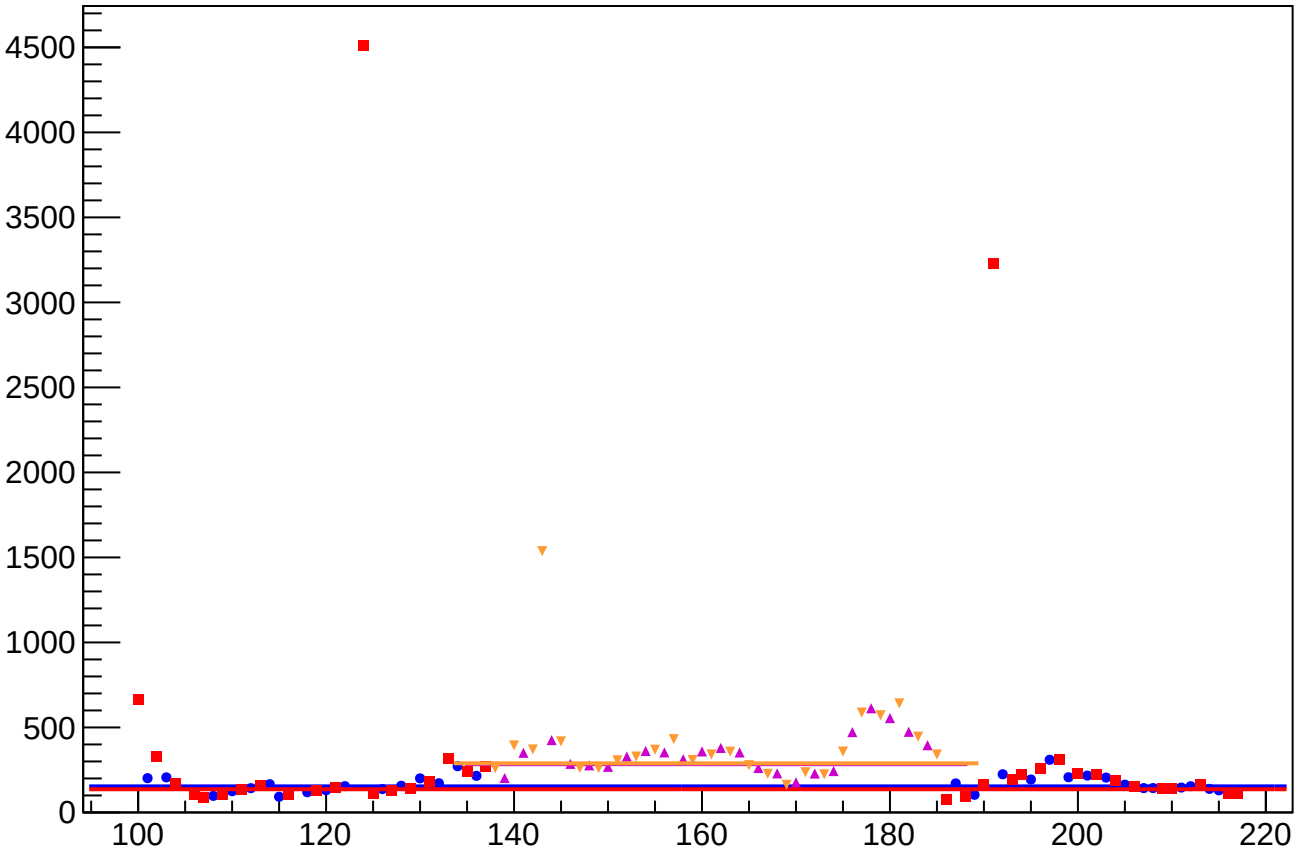
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

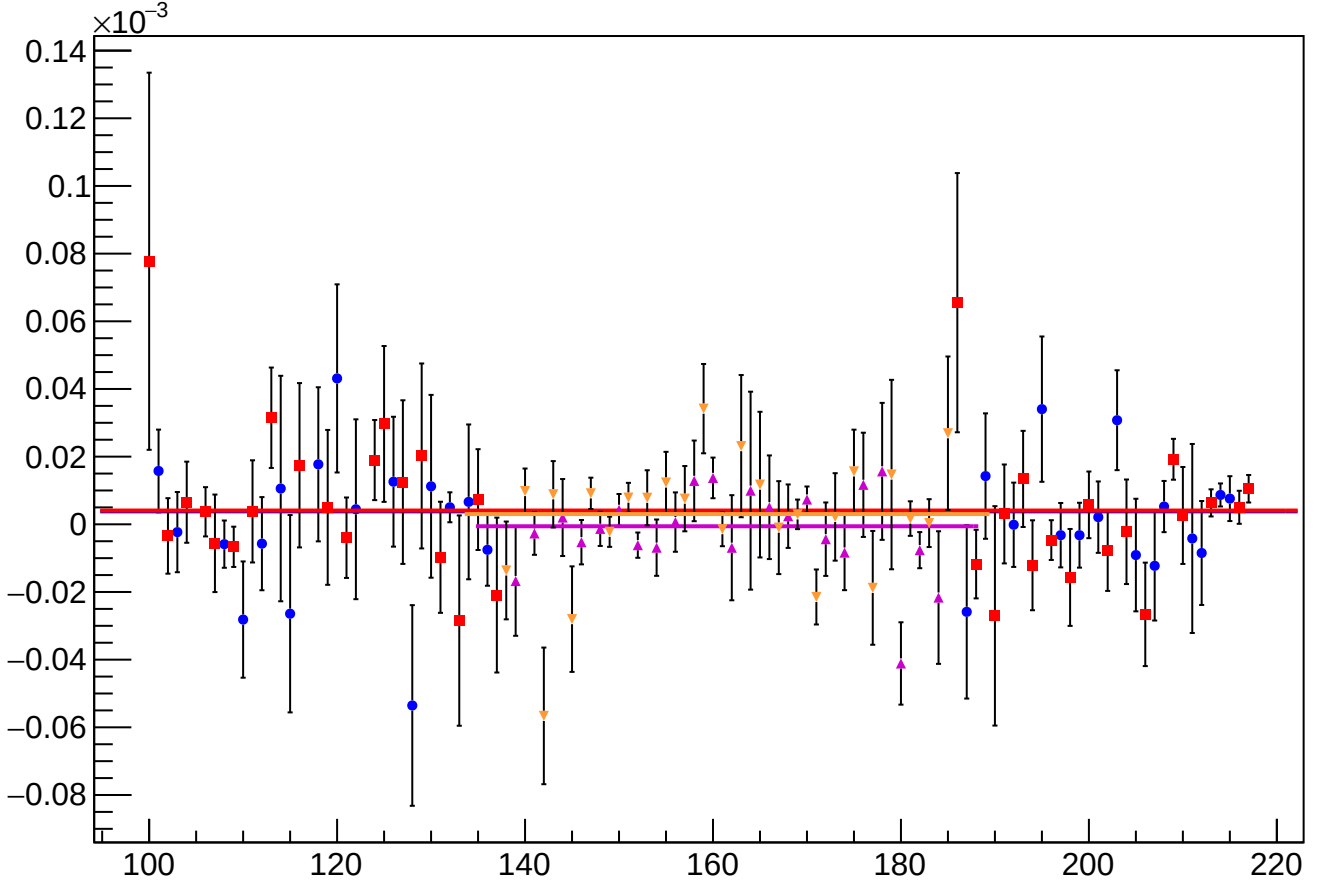
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 182.019+/-0.023 χ^2/NDF: 12746955.7/55

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

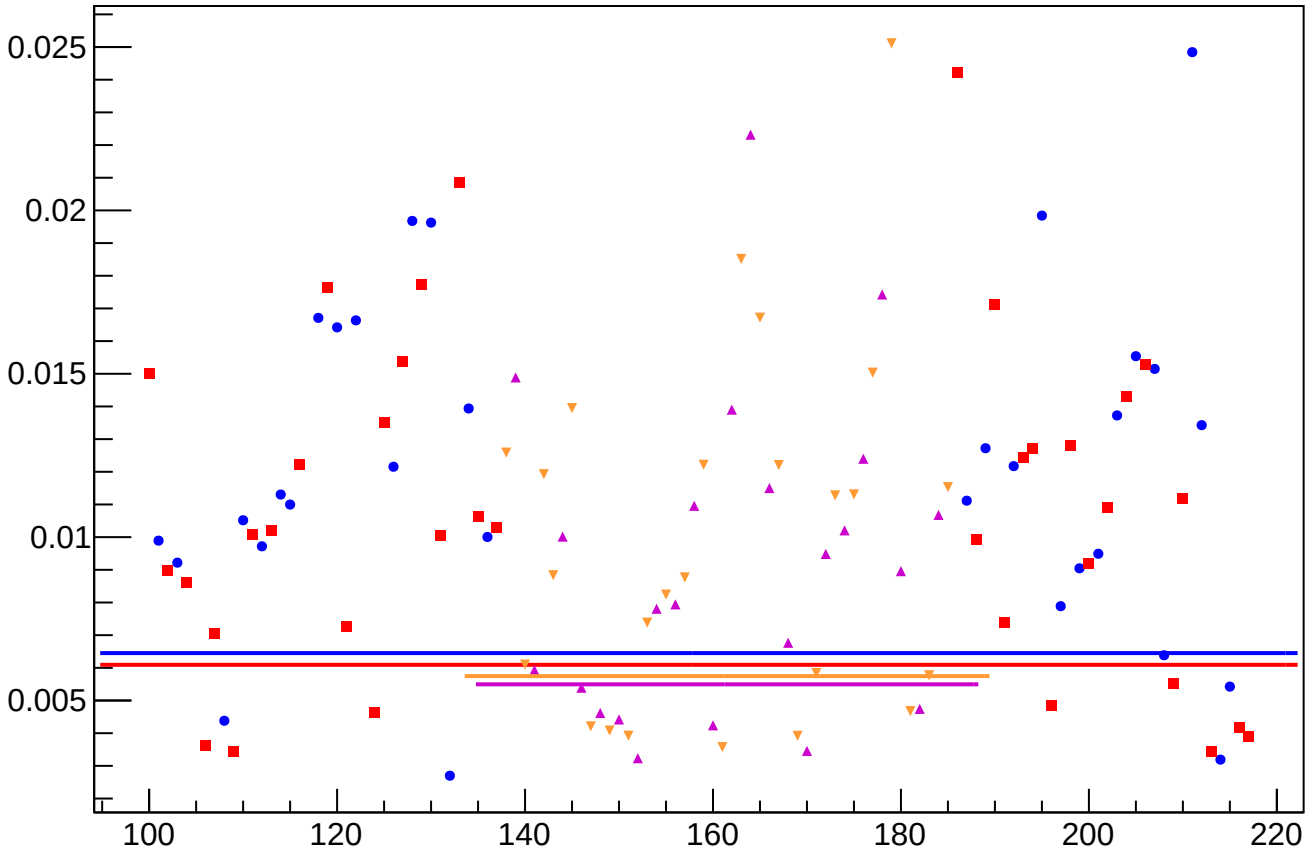
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/55

All: 0.000+/-0.000 χ^2/NDF: 152.7/114

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58



Right In: 0.006+/-0.000 χ^2/NDF: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

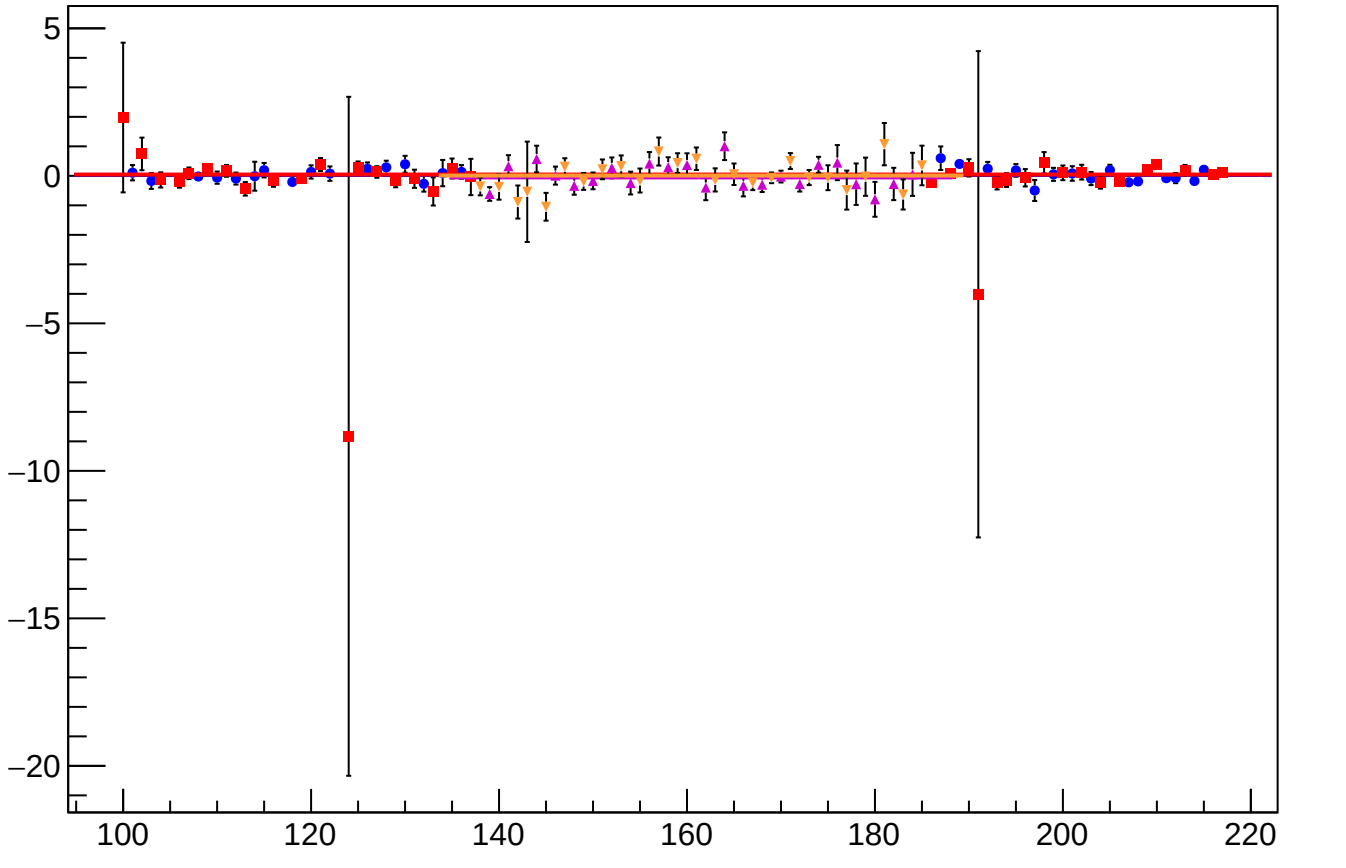
Right Out: 0.006+/-0.000 χ^2/NDF: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19625941.1/55

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

\- sign 0.006+/-0.000 χ^2/NDF: 16930806.2/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

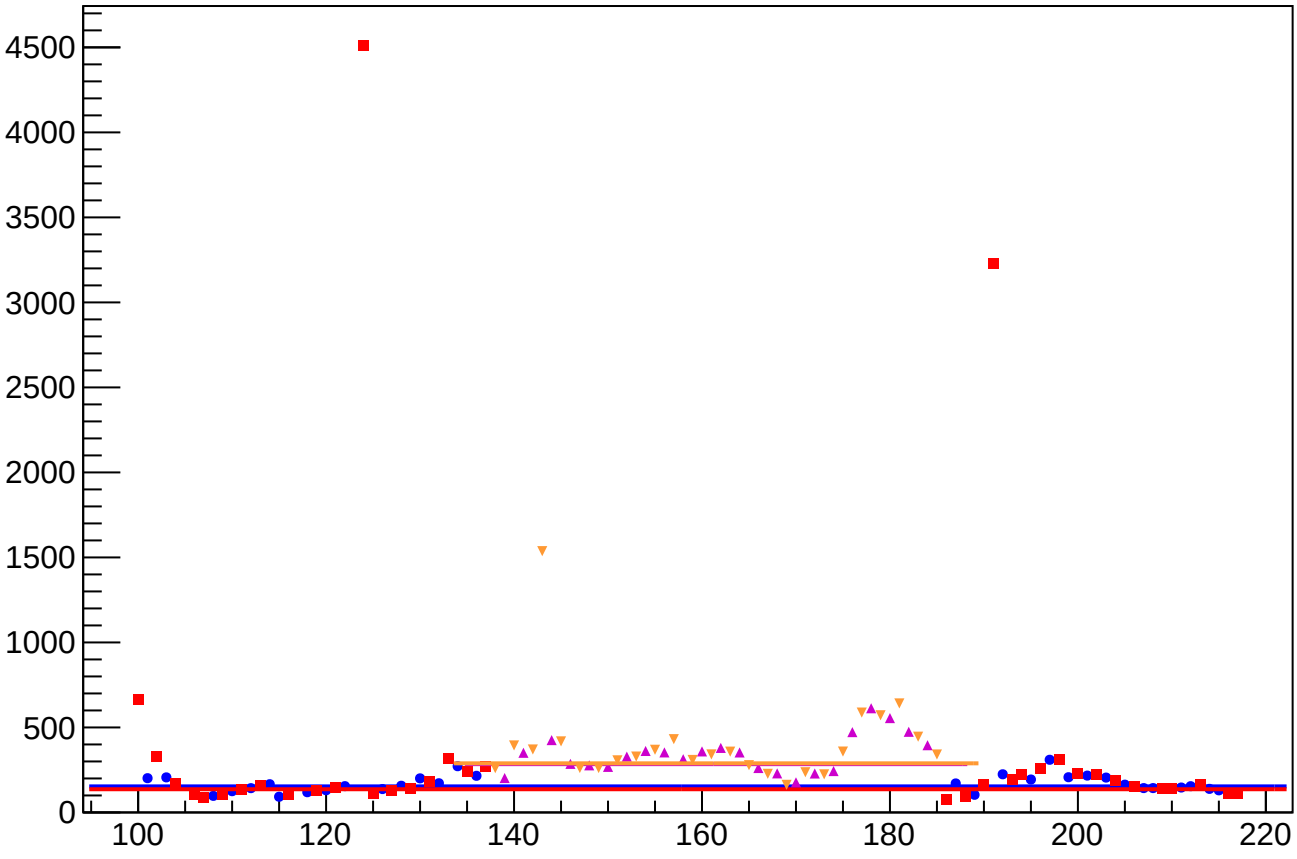
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

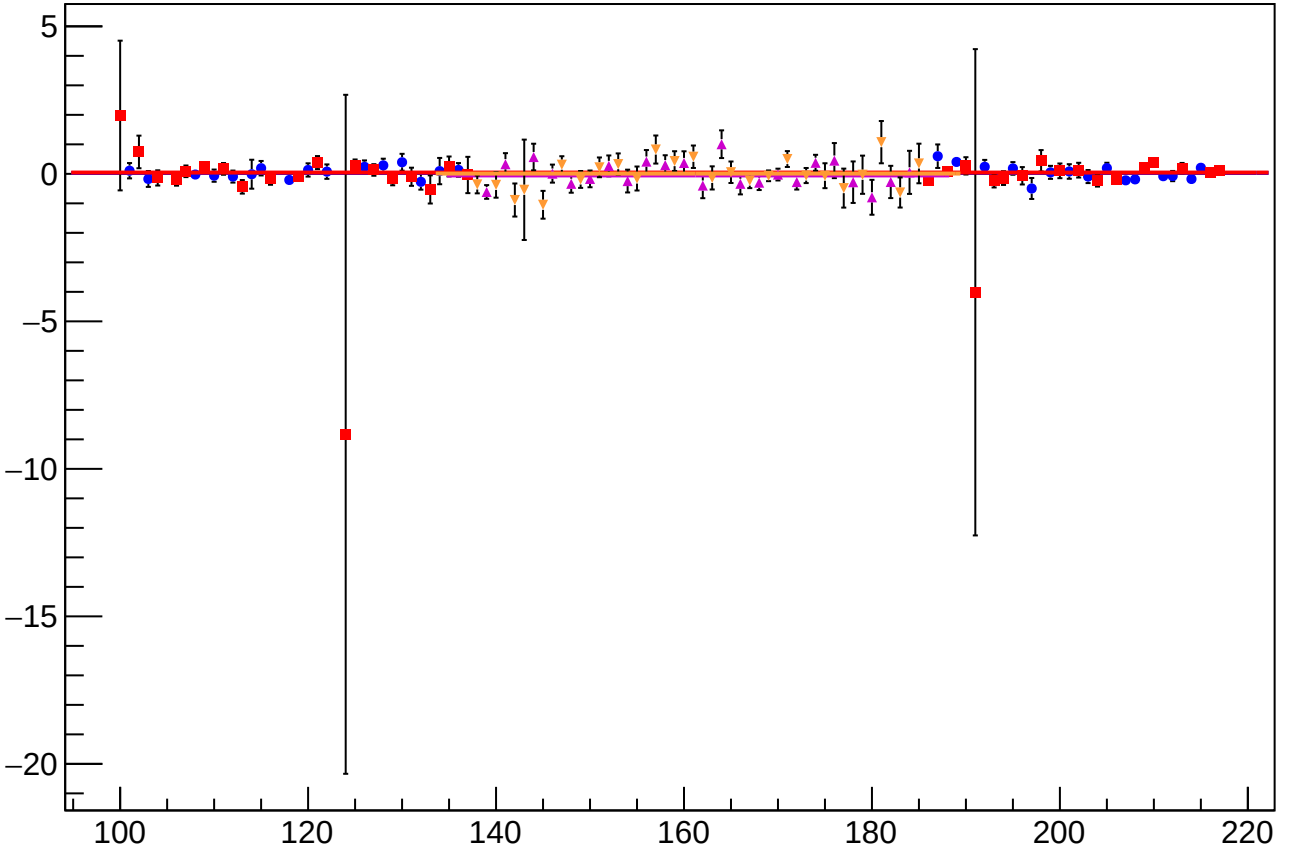
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

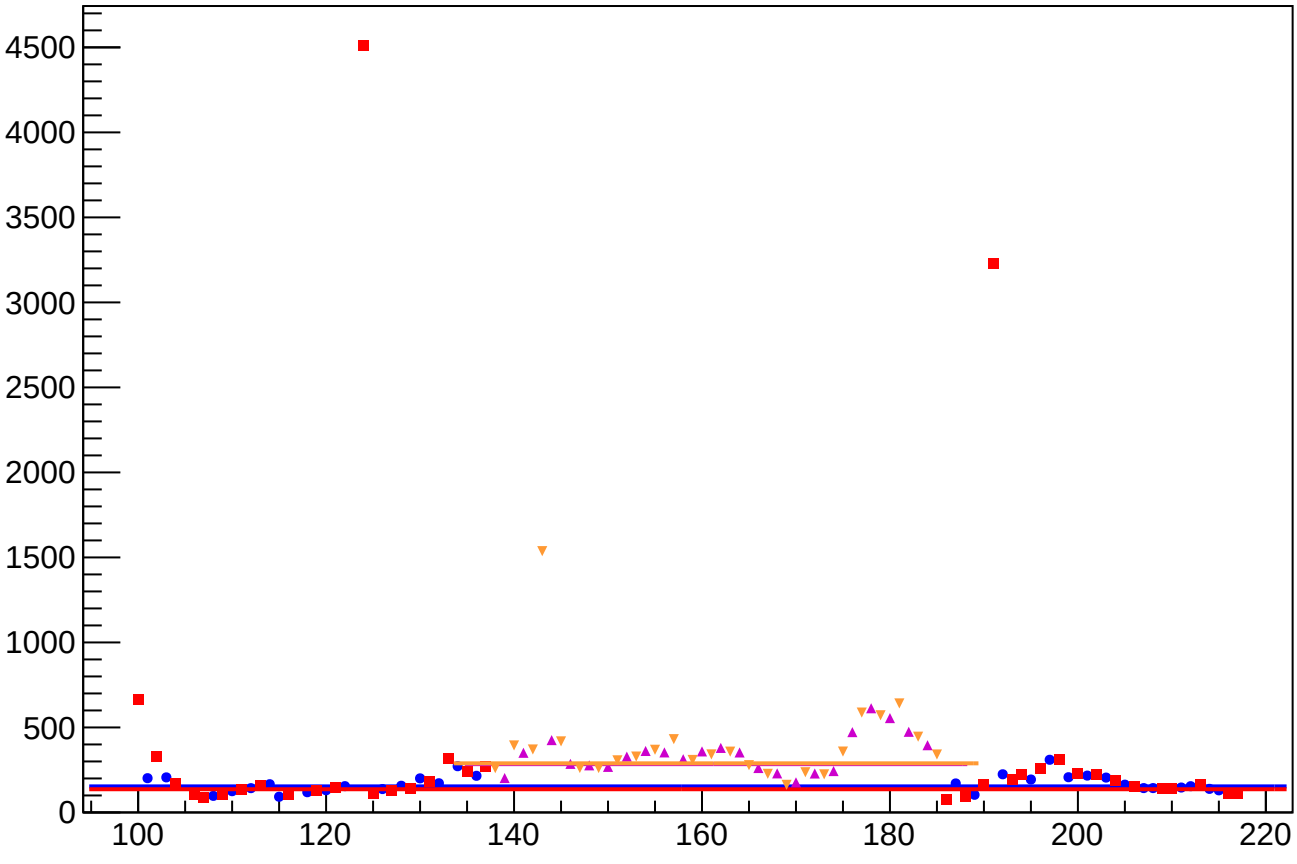
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

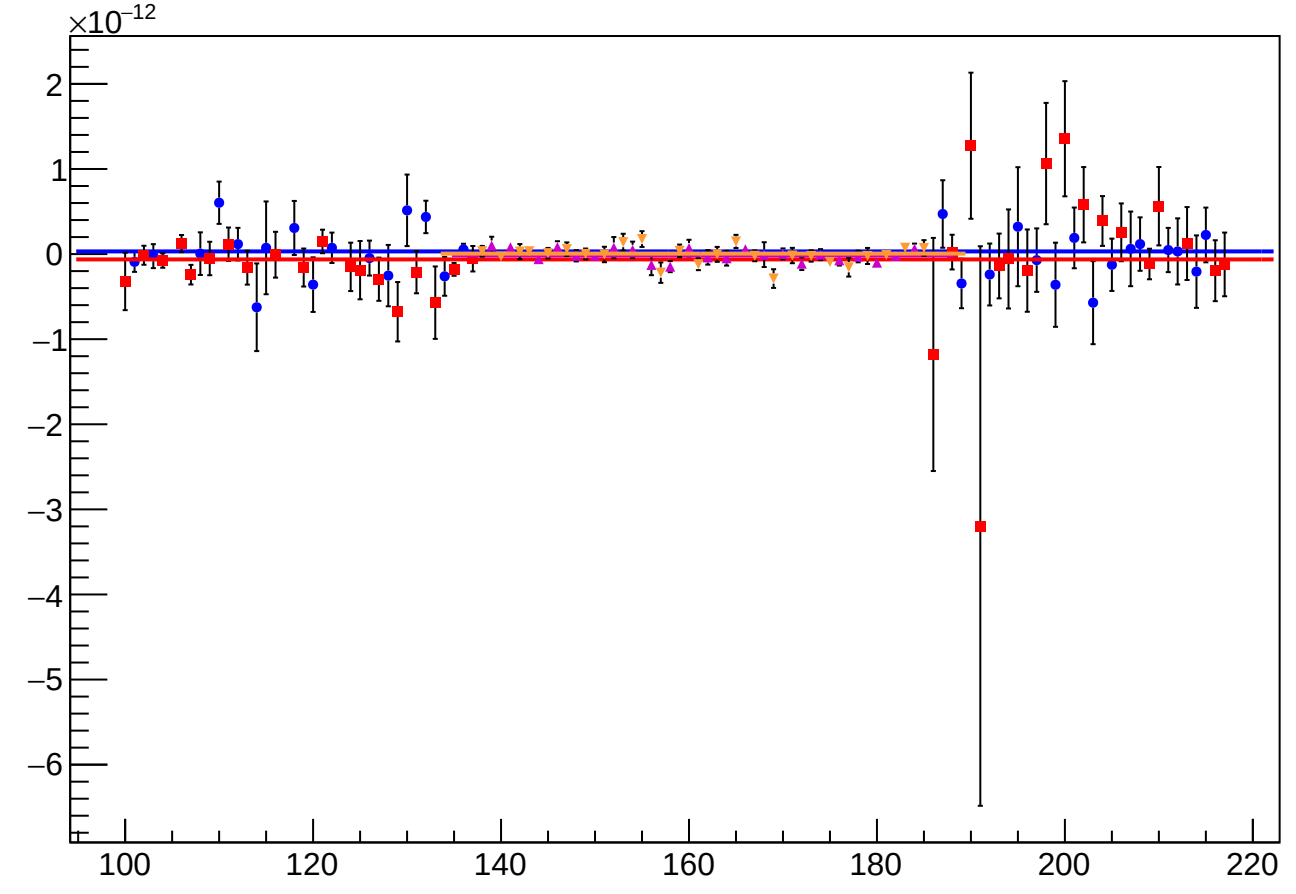
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

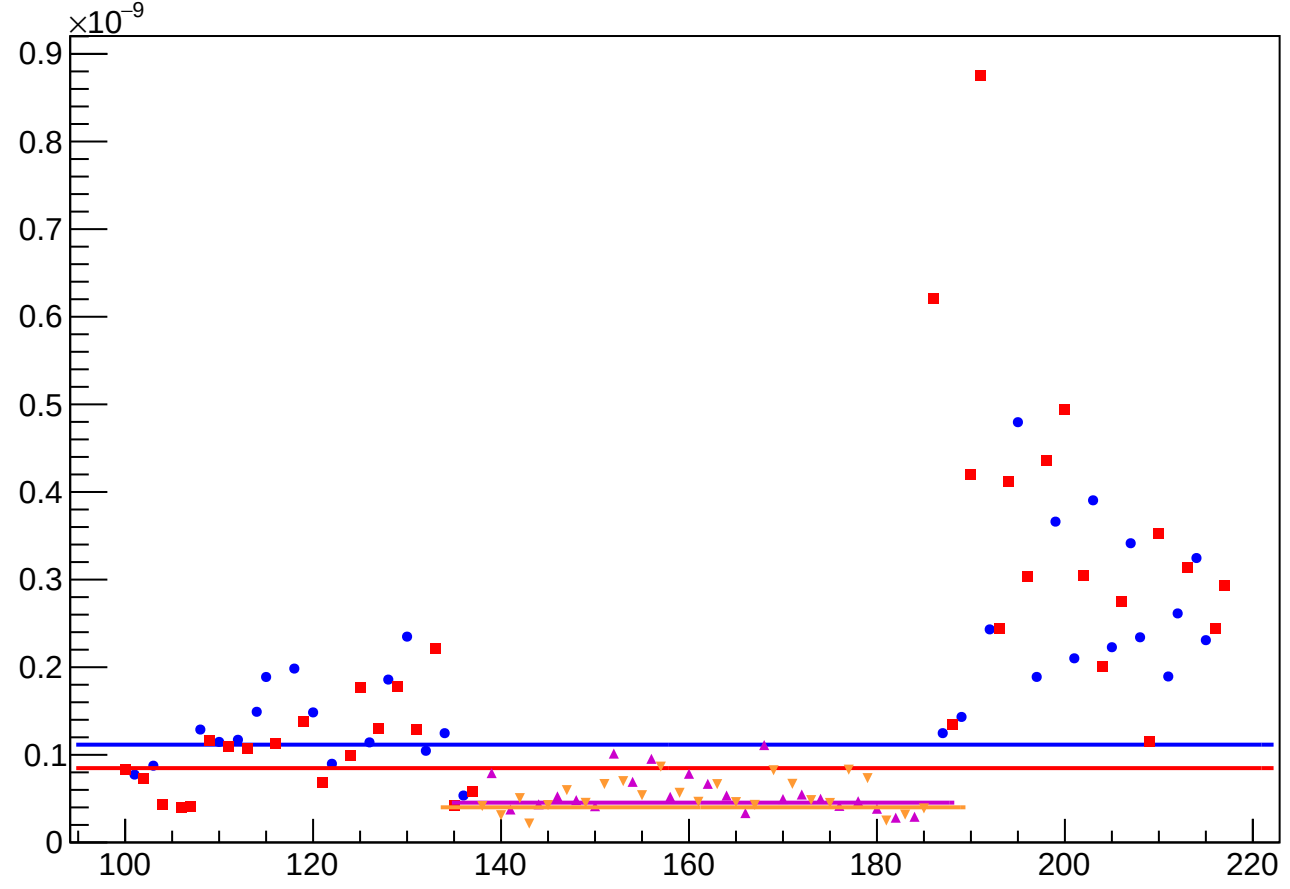
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/55

All: -0.000+/-0.000 χ^2/NDF: 126.3/114

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6898634.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10027189.5/35

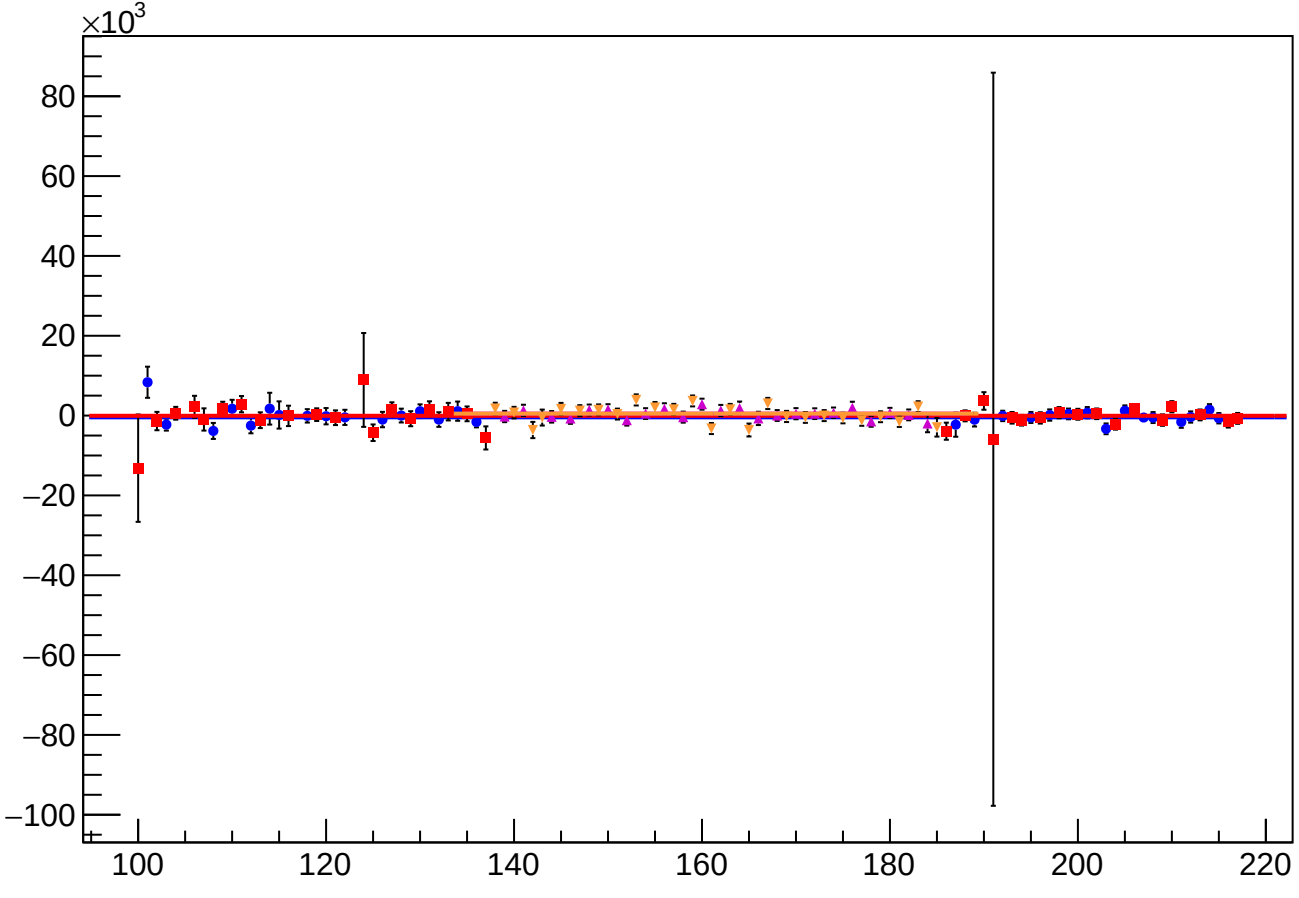
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16657123.0/55

All: 0.000+/-0.000 χ^2/NDF: 32203623.8/114

- sign 0.000+/-0.000 χ^2/NDF: 15382601.8/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -438.594+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -49.443+/-288.010 χ^2/NDF: 32.5/35

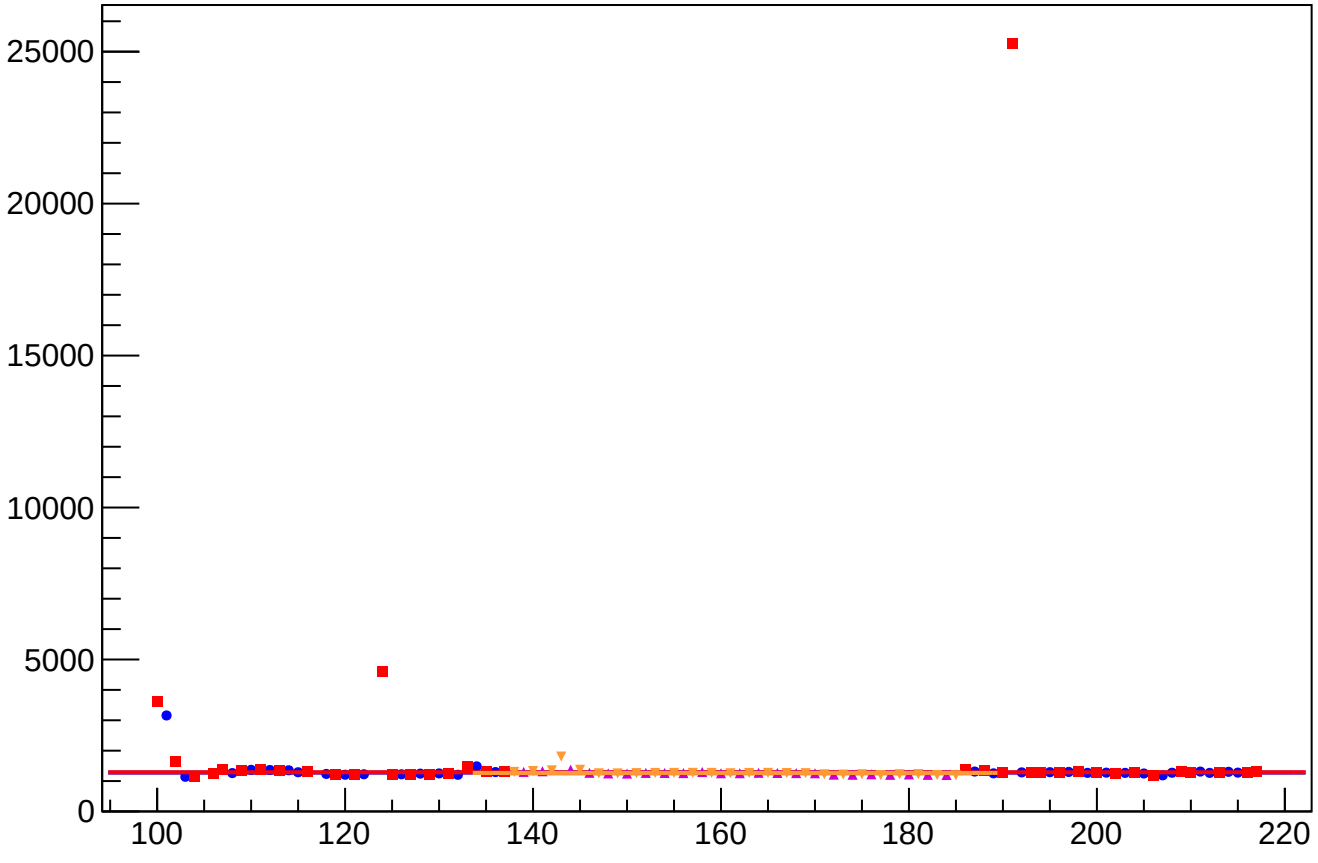
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 34.321+/-205.653 χ^2/NDF: 76.5/55

All: 123.849+/-145.421 χ^2/NDF: 125.5/114

- sign 213.382+/-205.660 χ^2/NDF: 48.6/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530240.2/30

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

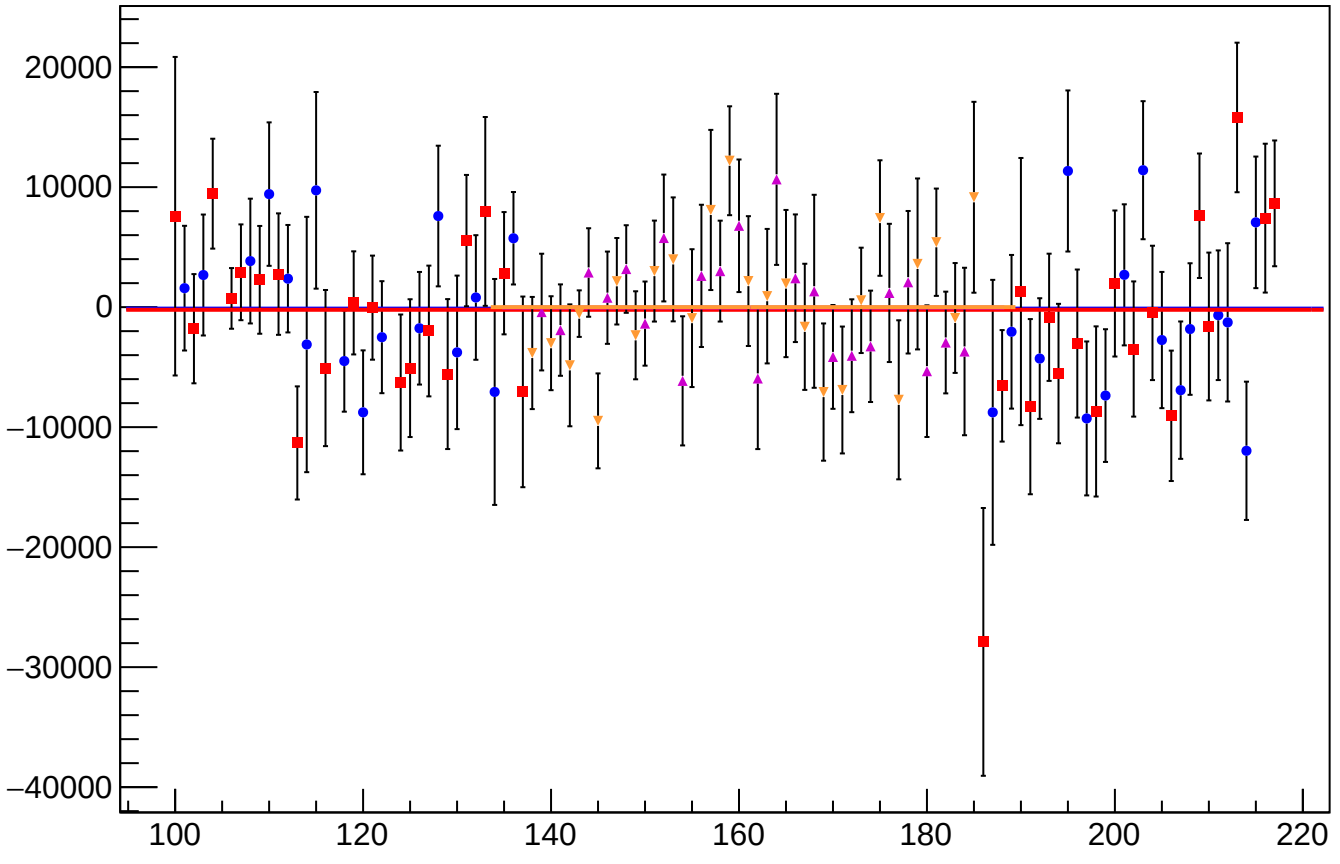
Right Out: 1289.146+/-0.203 χ^2/NDF: 483324.7/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719404.7/55

All: 1273.200+/-0.103 χ^2/NDF: 1251373.5/11

- sign 1273.676+/-0.145 χ^2/NDF: 531947.4/58



Right In: -123.063+/-1002.318 χ^2/NDF: 34.6/30

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

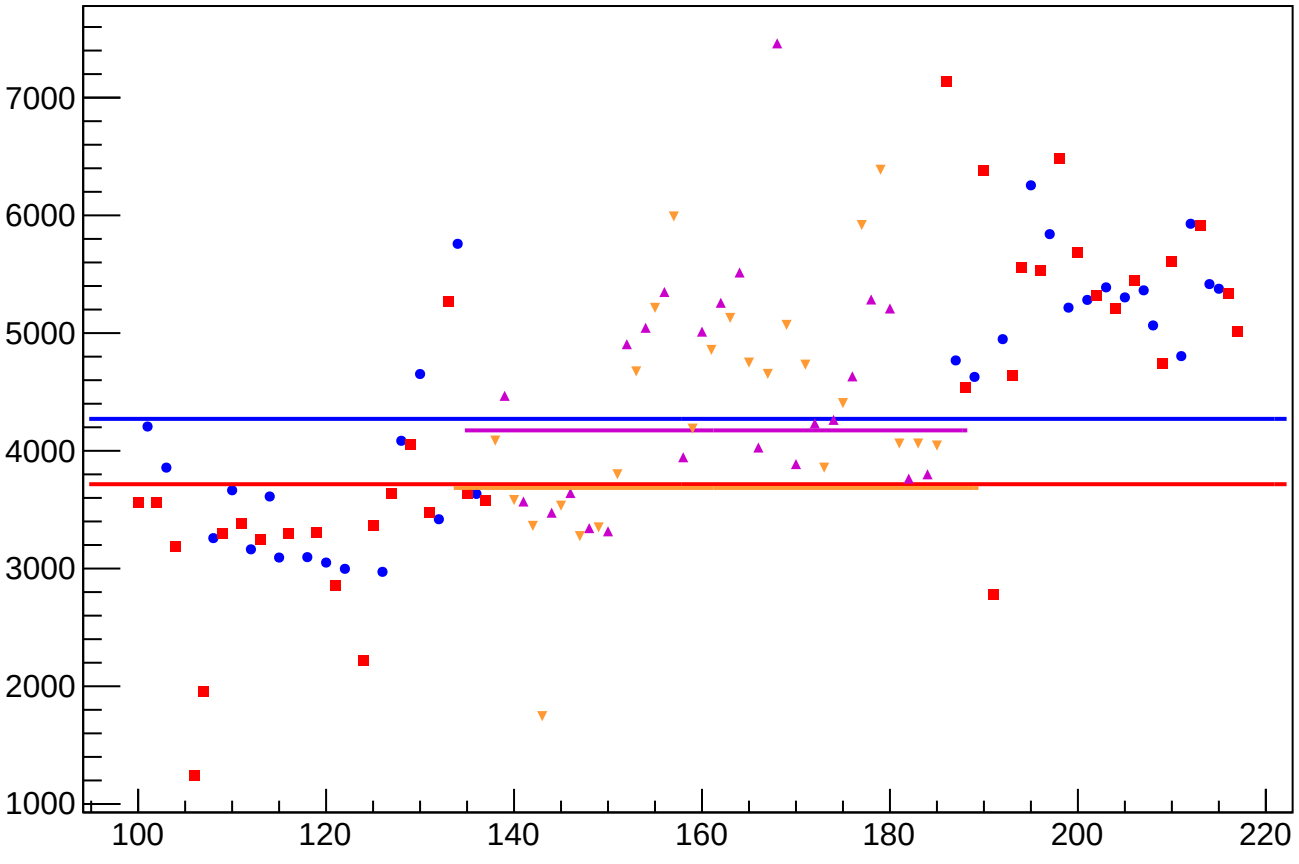
Right Out: -219.445+/-884.354 χ^2/NDF: 46.6/35

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -54.352+/-664.035 χ^2/NDF: 63.7/55

All: -95.644+/-468.505 χ^2/NDF: 124.4/114

- sign -136.573+/-661.106 χ^2/NDF: 60.7/58



Right In: 4271.434+/-0.709 χ^2/NDF: 2039285.0/30

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

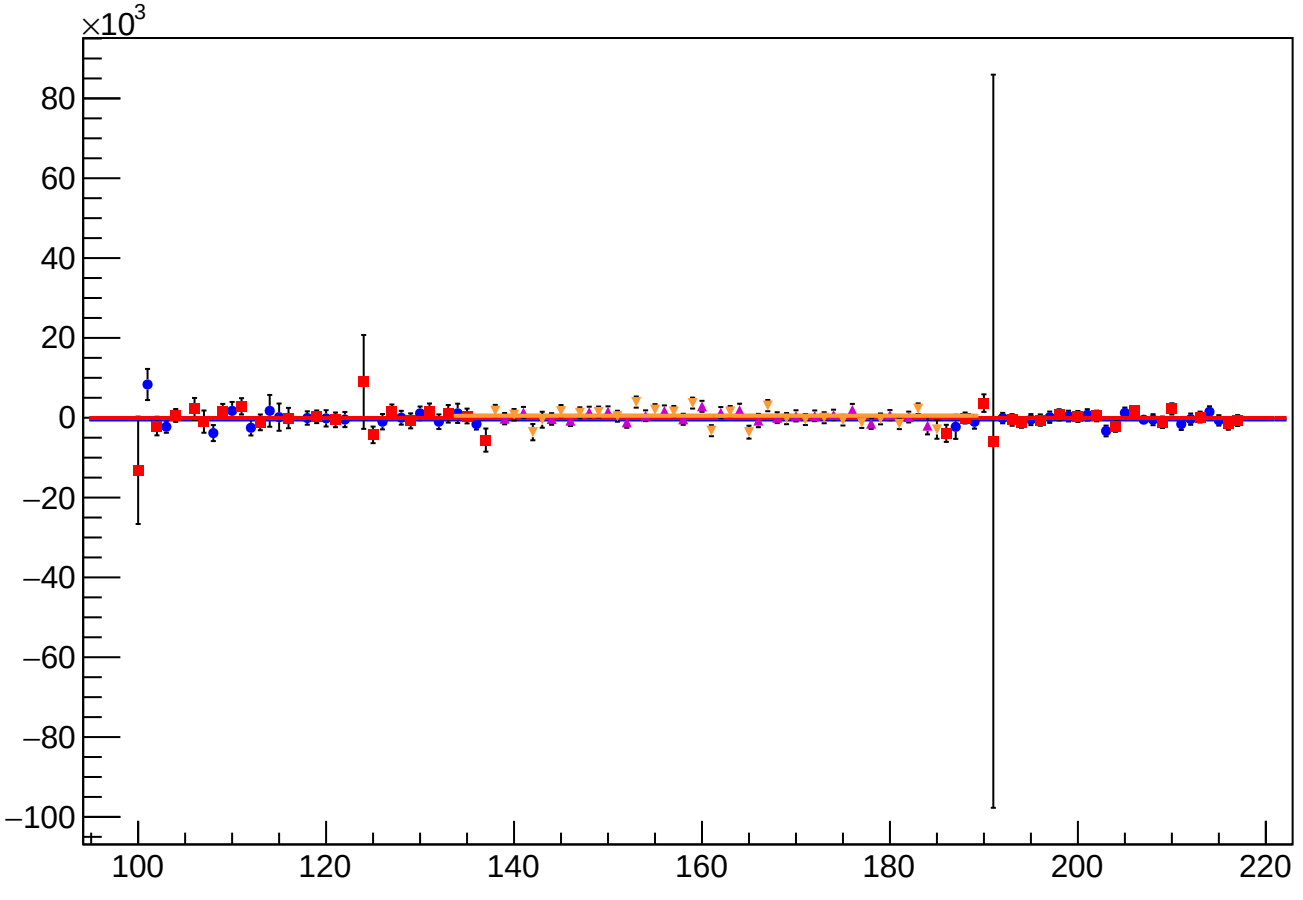
Right Out: 3716.449+/-0.625 χ^2/NDF: 5350706.1/35

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3942.259+/-0.470 χ^2/NDF: 6117377.4/55

All: 3930.129+/-0.331 χ^2/NDF: 12980106.0/1

\- sign 3918.105+/-0.467 χ^2/NDF: 6861399.6/58



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

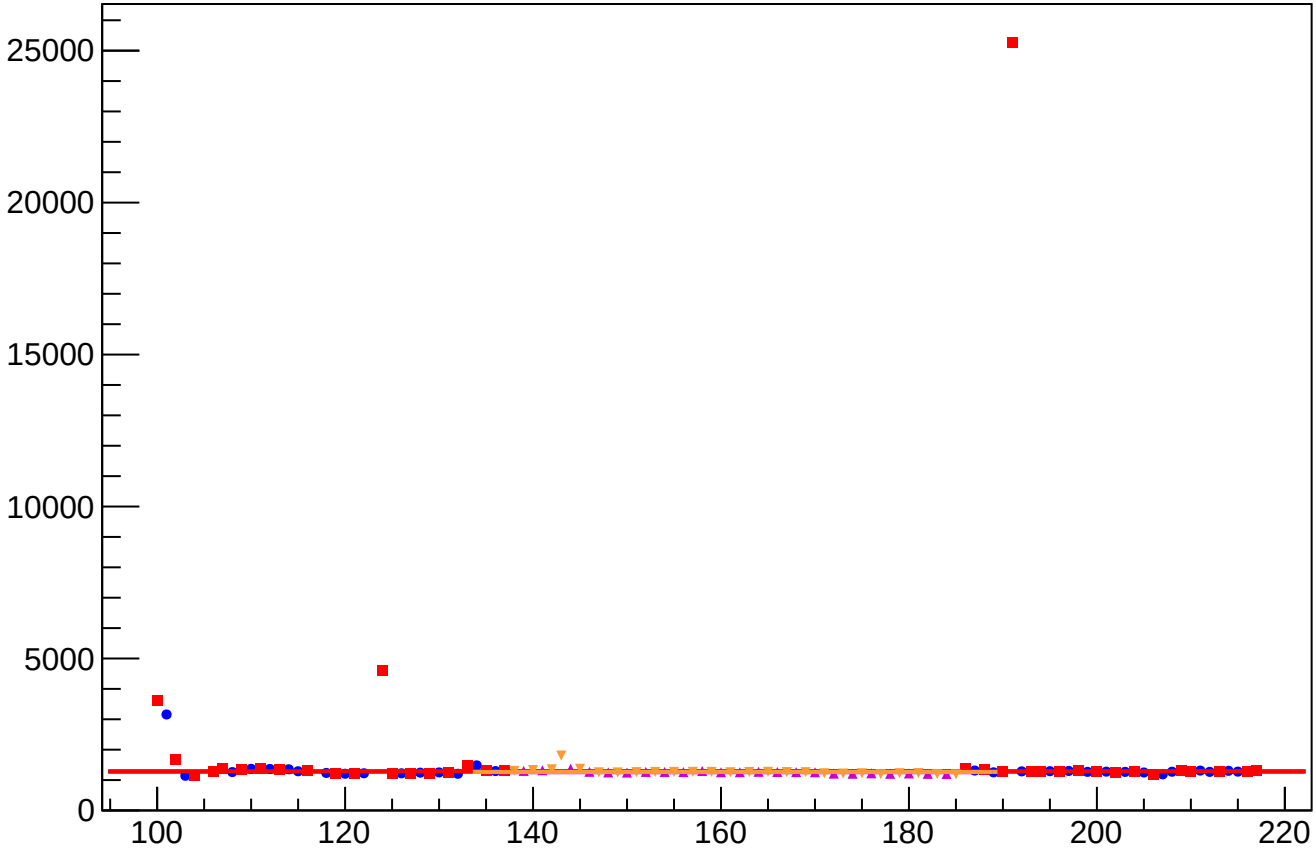
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

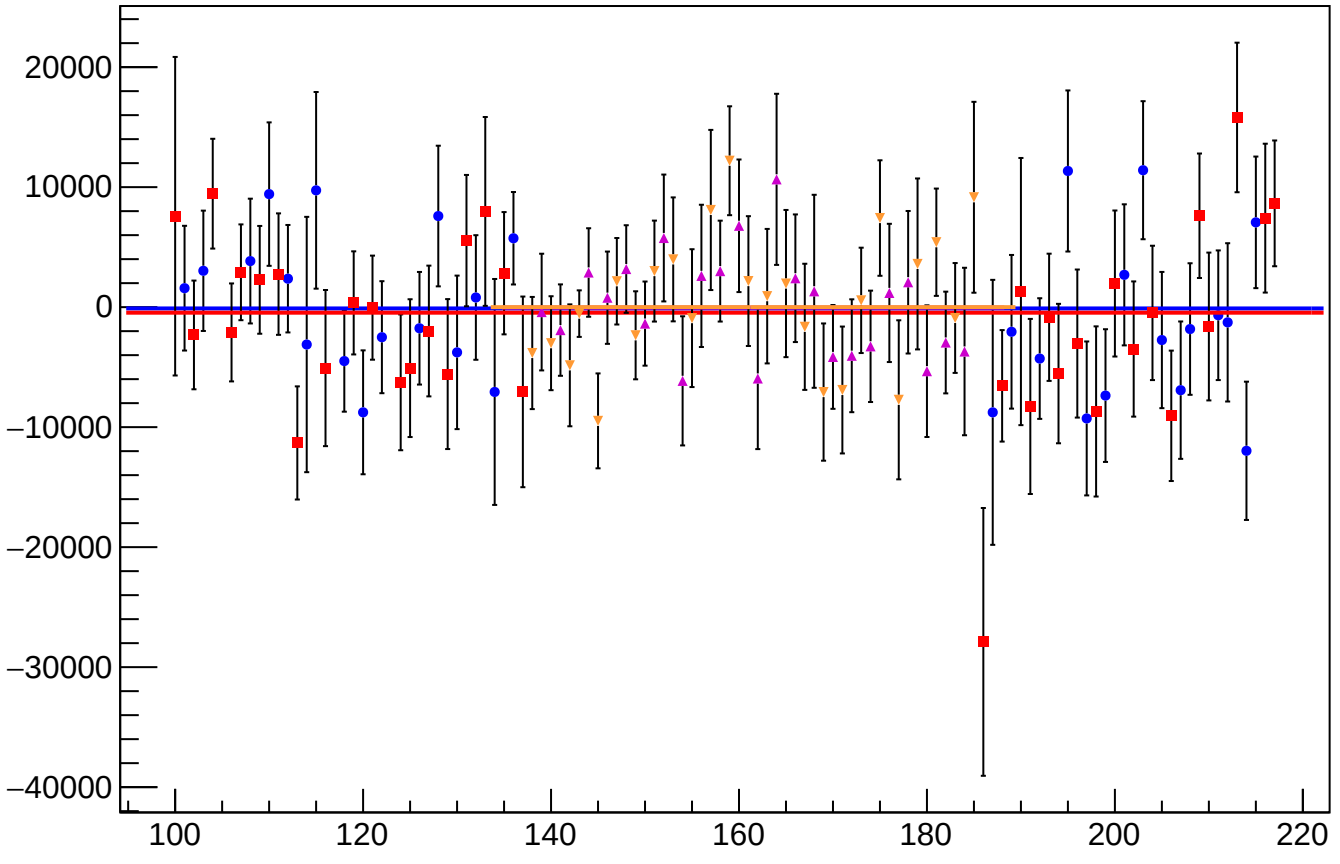
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

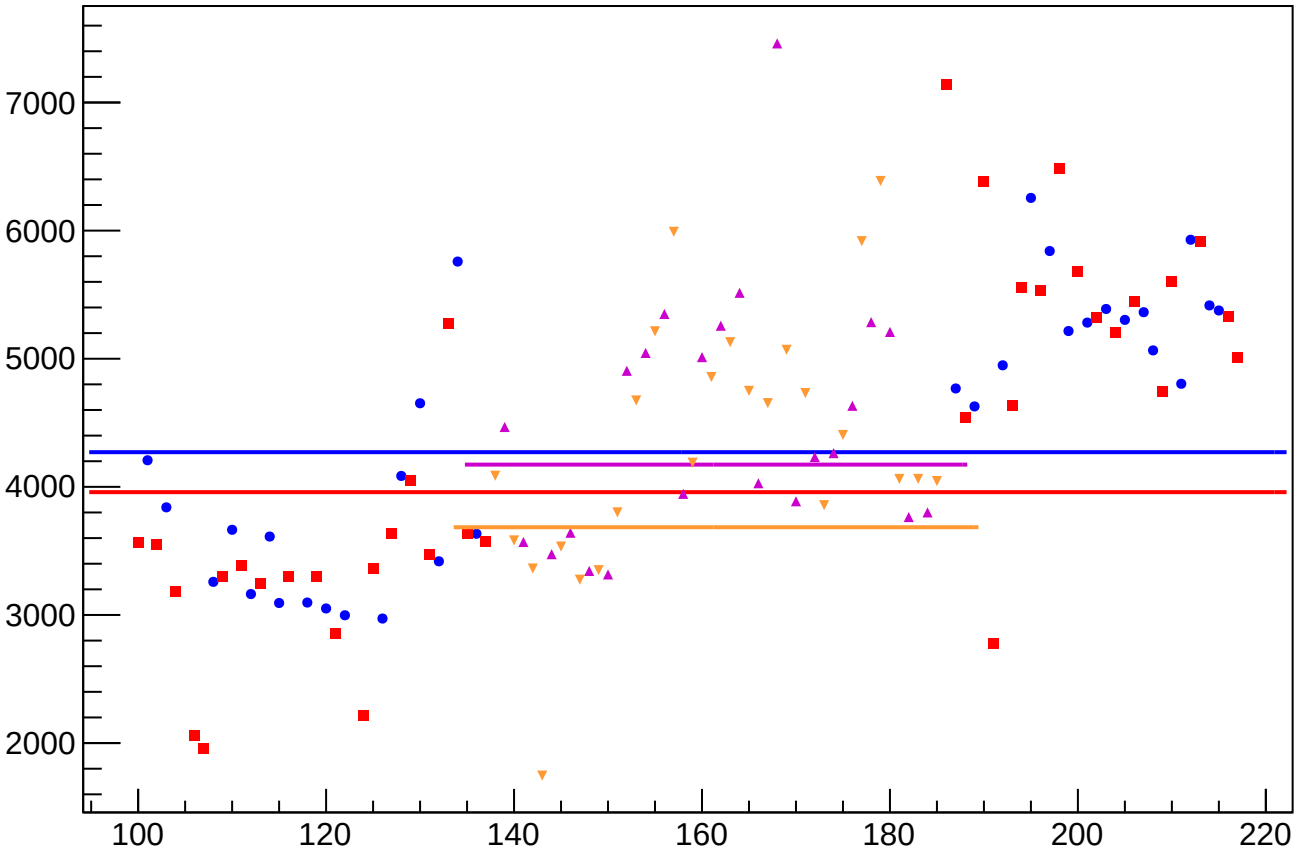
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

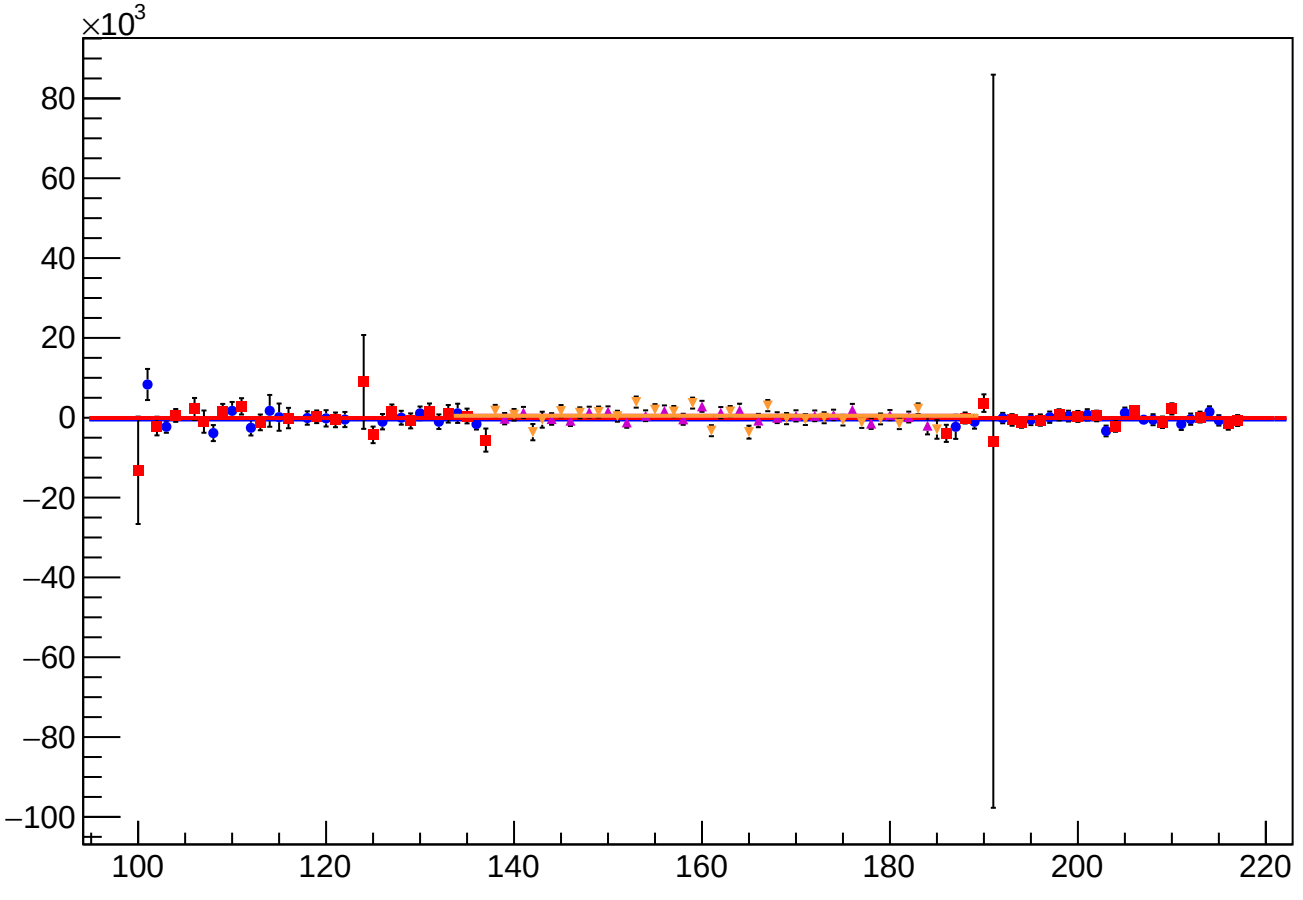
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -438.710+/-293.238 χ^2/NDF: 24.5/30

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

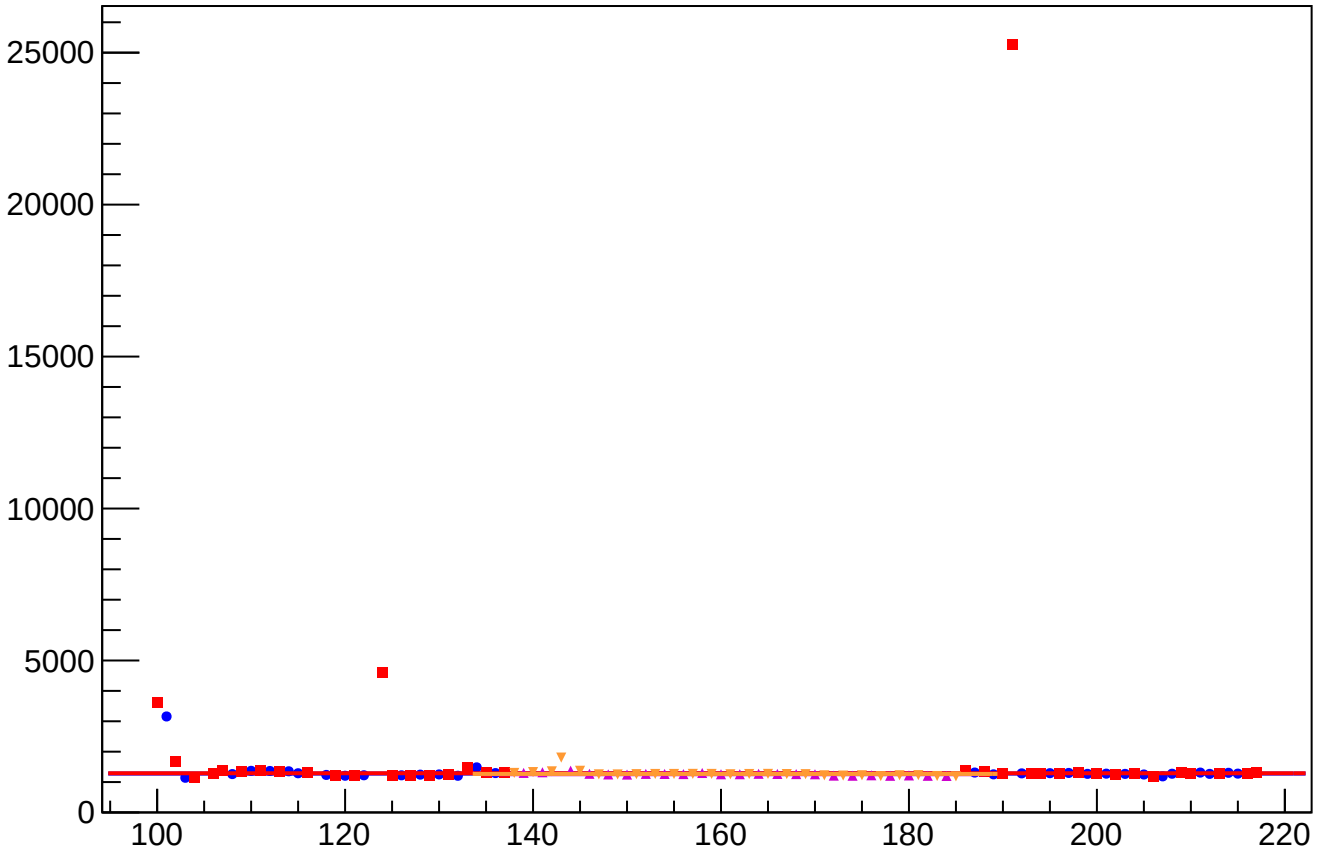
Right Out: -59.595+/-288.077 χ^2/NDF: 32.9/35

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 34.273+/-205.653 χ^2/NDF: 76.5/55

All: 121.233+/-145.430 χ^2/NDF: 125.9/114

- sign 208.219+/-205.684 χ^2/NDF: 49.1/58



Right In: 1278.671+/-0.207 χ^2/NDF: 530241.7/30

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

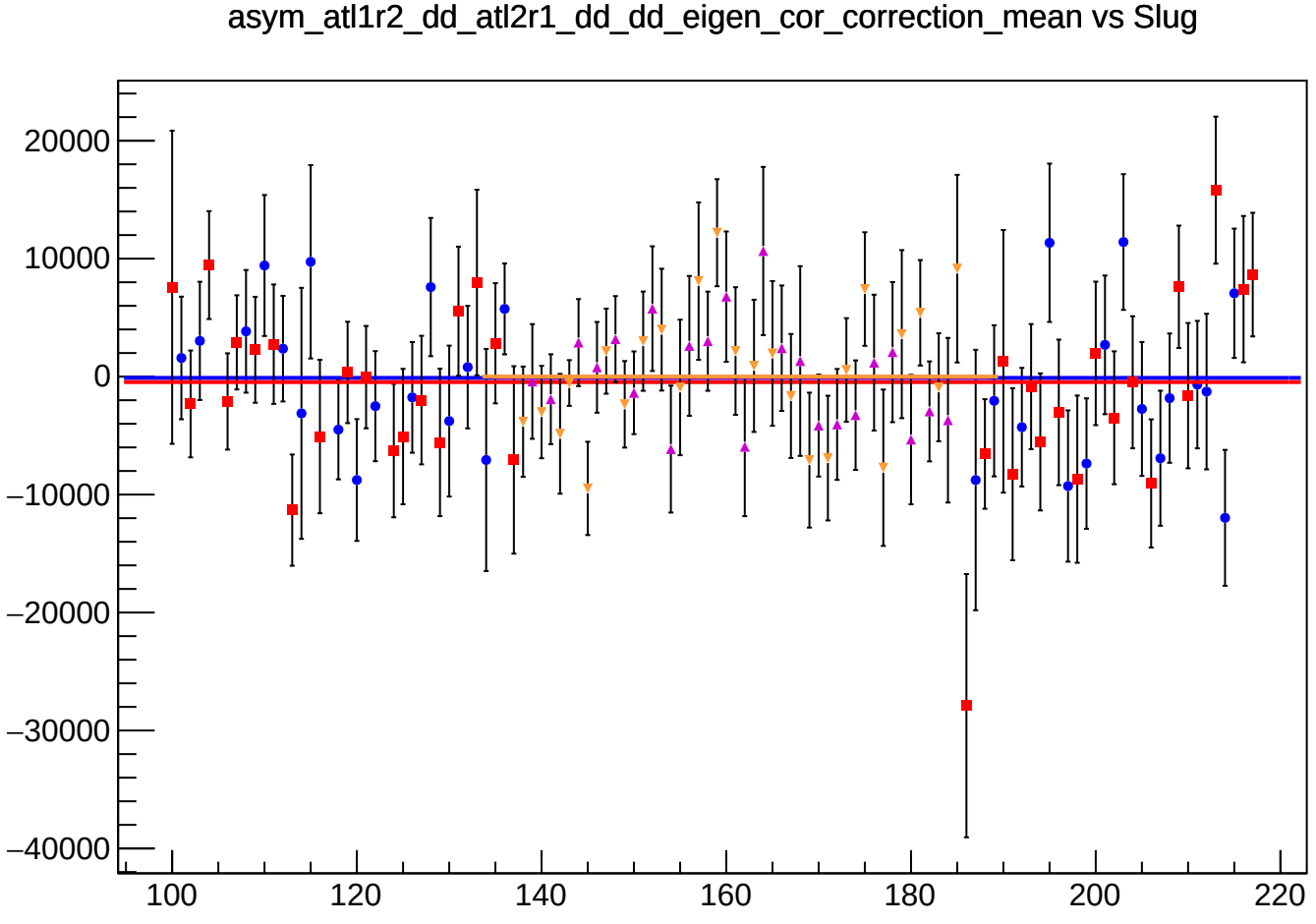
Right Out: 1289.845+/-0.204 χ^2/NDF: 490203.2/35

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.724+/-0.145 χ^2/NDF: 719406.1/55

All: 1273.374+/-0.103 χ^2/NDF: 1258794.1/11

- sign 1274.024+/-0.145 χ^2/NDF: 539347.9/58



Right In: -107.975+/-1002.121 χ^2/NDF: 34.7/30

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

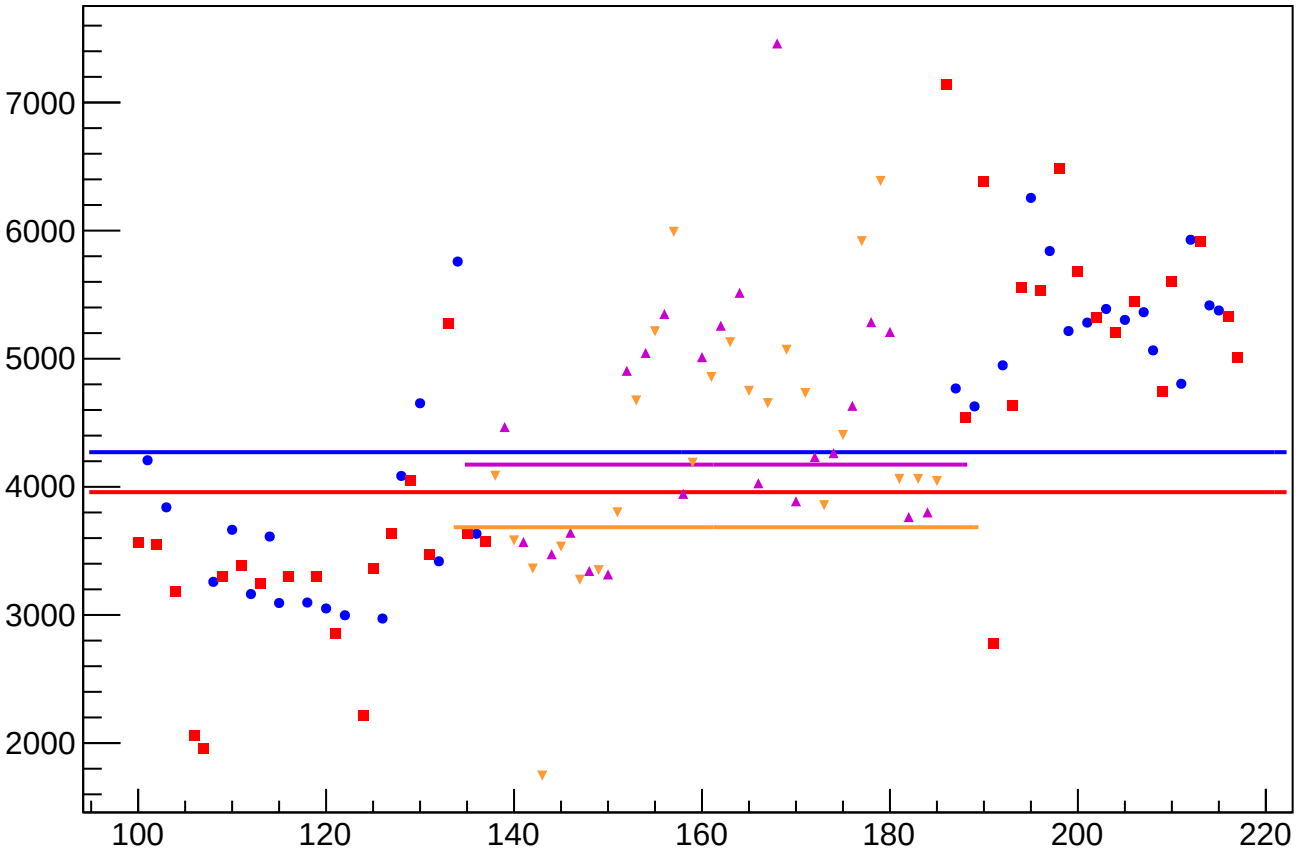
Right Out: -461.451+/-919.430 χ^2/NDF: 46.7/35

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -47.705+/-663.977 χ^2/NDF: 63.8/55

All: -153.785+/-473.483 χ^2/NDF: 124.7/114

- sign -263.540+/-675.381 χ^2/NDF: 60.9/58



Right In: 4270.610+/-0.709 χ^2/NDF: 2040584.0/30

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

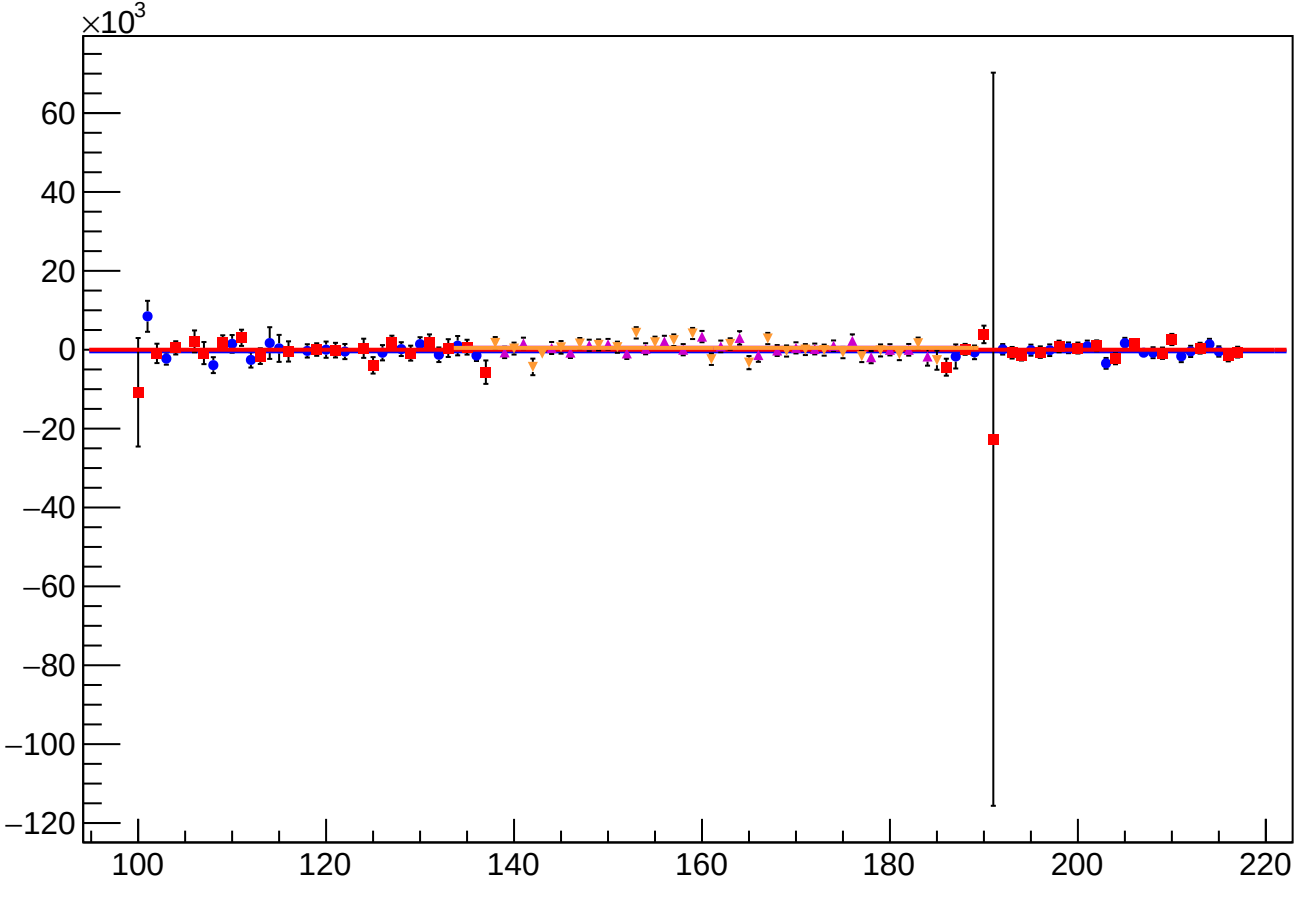
Right Out: 3958.638+/-0.650 χ^2/NDF: 3627021.3/35

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3941.950+/-0.470 χ^2/NDF: 6117732.5/55

All: 3998.784+/-0.335 χ^2/NDF: 11099846.7/1

- sign 4057.586+/-0.478 χ^2/NDF: 4952299.9/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 2.606+/-290.184 χ^2/NDF: 34.0/35

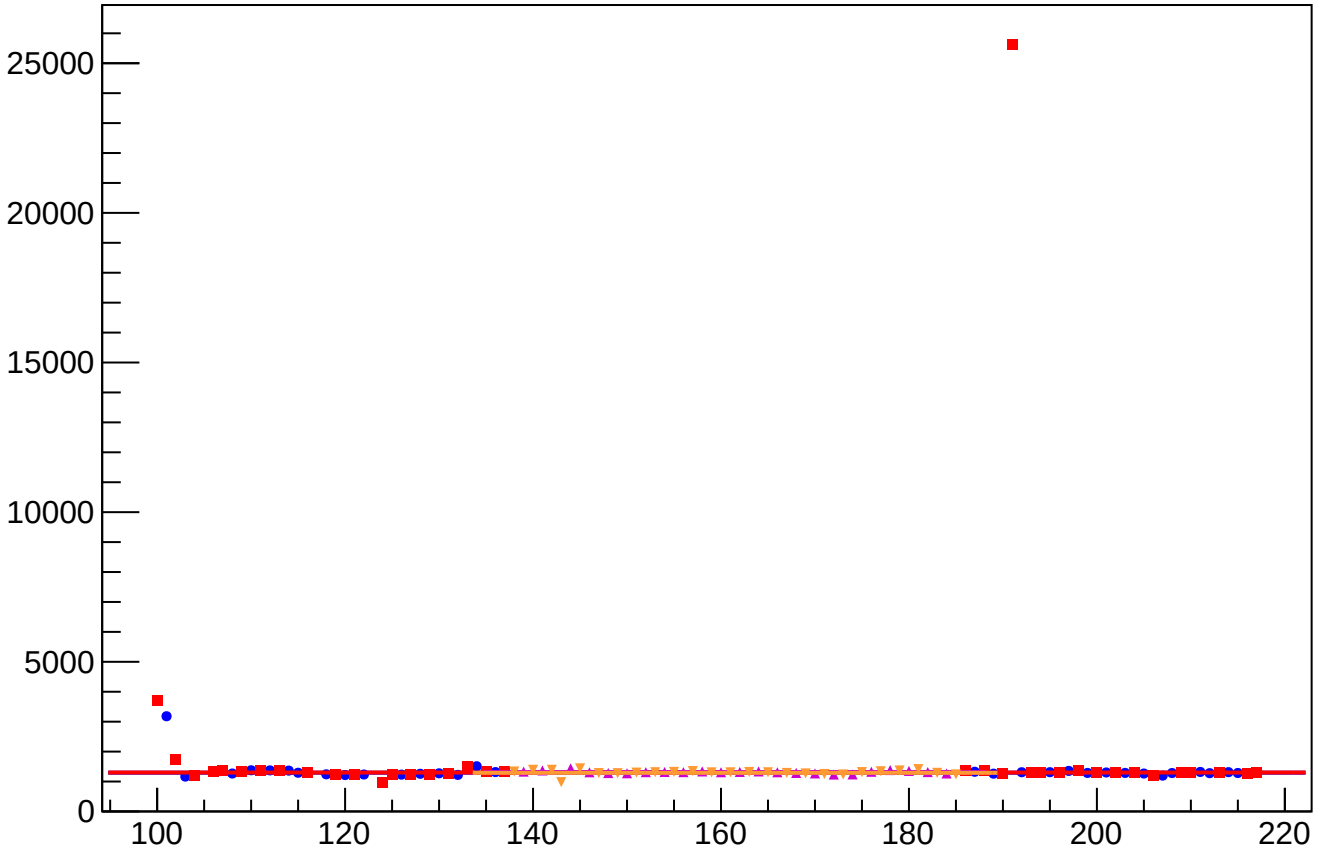
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 36.262+/-209.021 χ^2/NDF: 74.1/55

All: 136.694+/-148.461 χ^2/NDF: 127.4/114

- sign 238.942+/-210.904 χ^2/NDF: 52.8/58

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.2/30

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

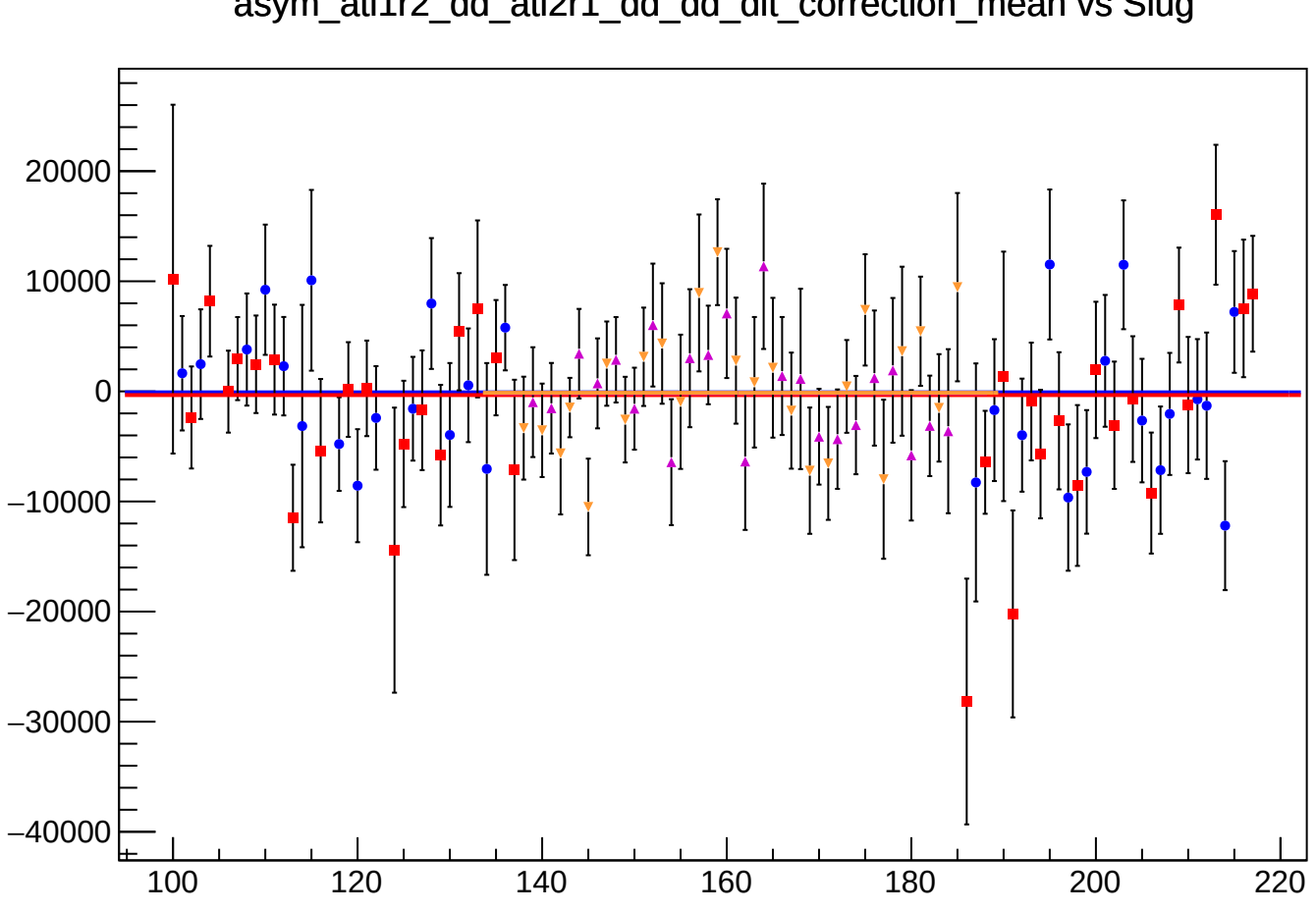
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.2/35

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.987+/-0.148 χ^2/NDF: 761091.5/55

All: 1299.849+/-0.105 χ^2/NDF: 1189540.9/11

- sign 1306.833+/-0.149 χ^2/NDF: 424100.6/58



Right In: -89.752+/-1008.403 χ^2/NDF: 34.5/30

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

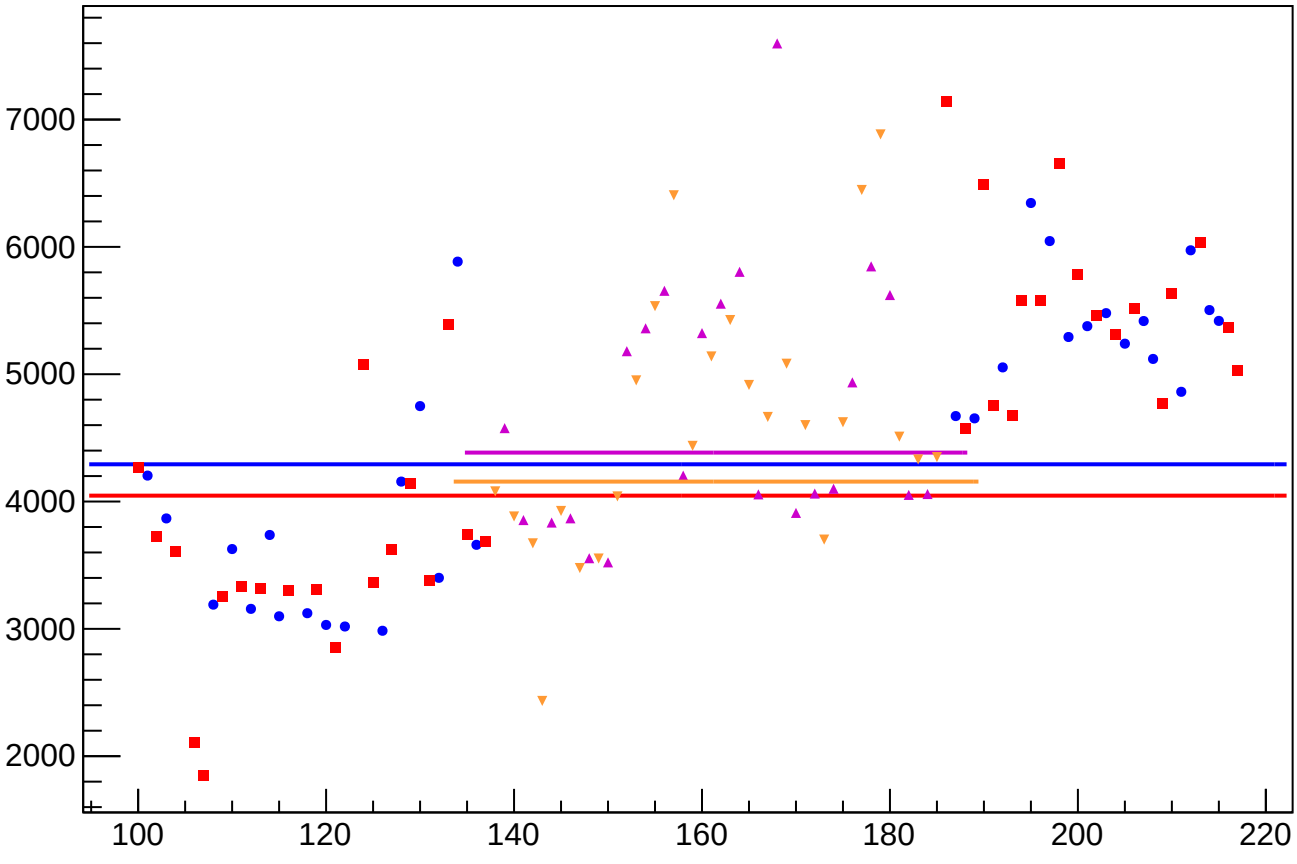
Right Out: -334.966+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -109.101+/-701.768 χ^2/NDF: 63.1/55

All: -183.603+/-494.420 χ^2/NDF: 125.3/114

- sign -257.031+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.473+/-0.713 χ^2/NDF: 2142067.4/30

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

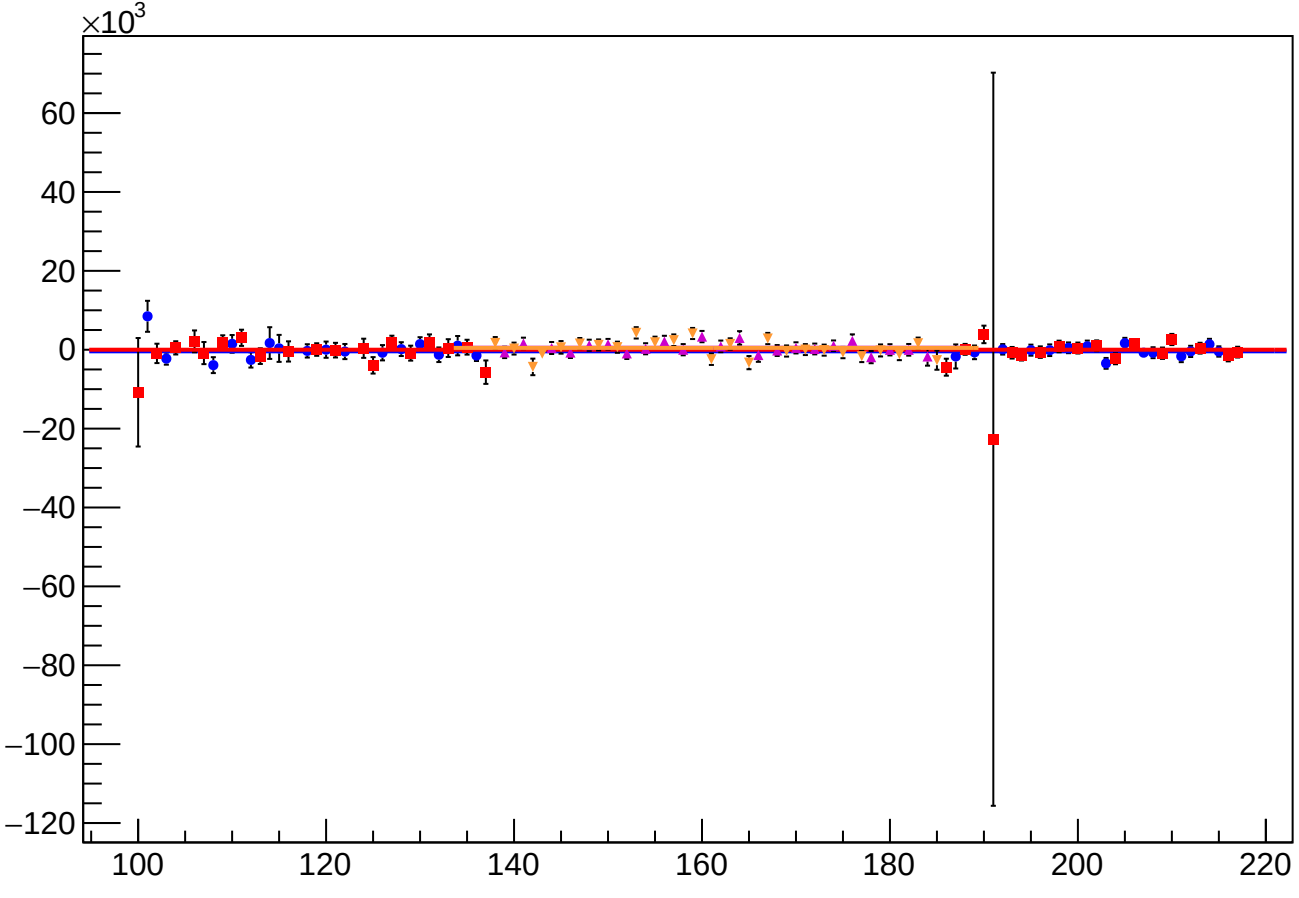
Right Out: 4046.251+/-0.661 χ^2/NDF: 3653438.5/35

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4222.395+/-0.496 χ^2/NDF: 4241563.6/55

All: 4209.287+/-0.350 χ^2/NDF: 9268119.3/11

- sign 4196.369+/-0.493 χ^2/NDF: 5025170.3/58



Right In: -403.378+/-296.962 χ^2/NDF: 25.7/30

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

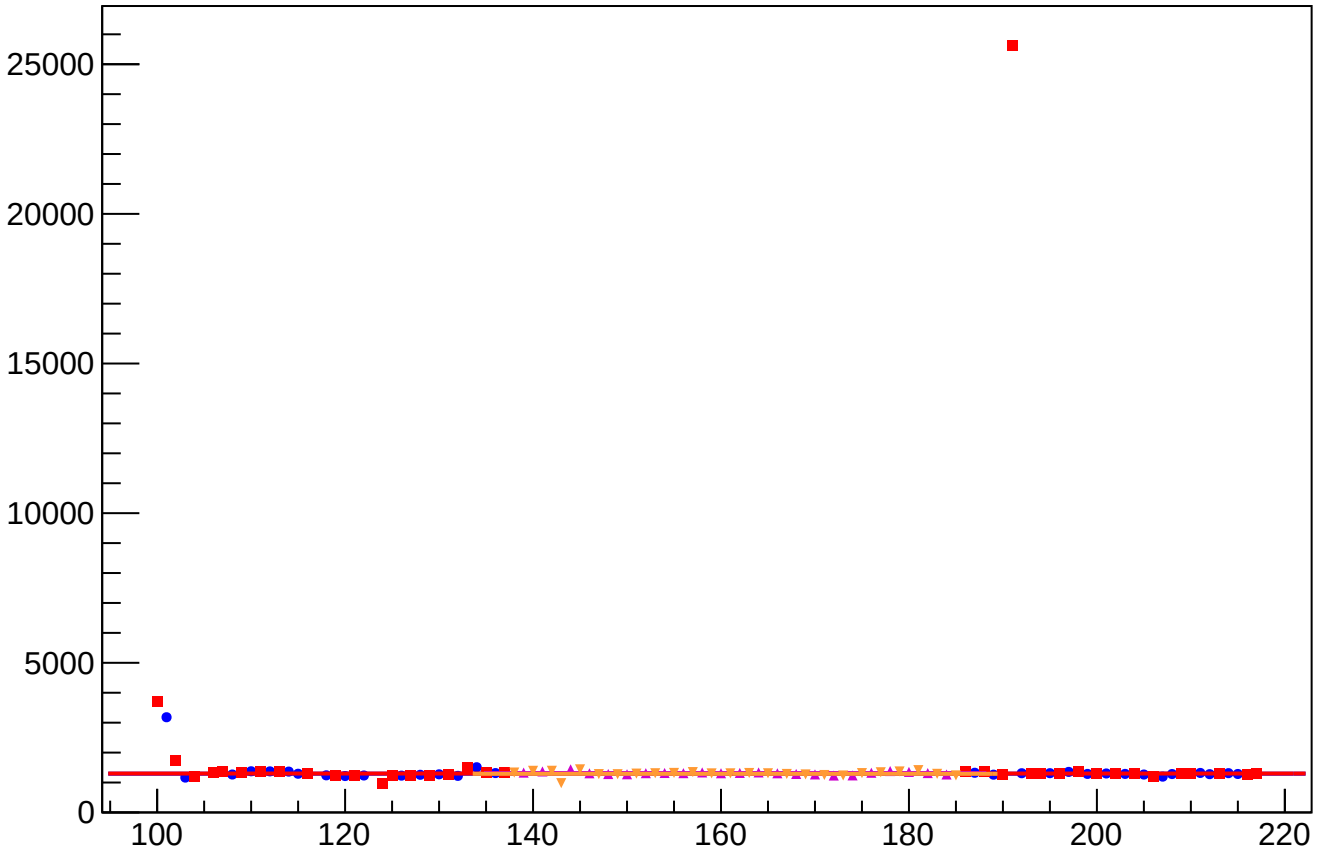
Right Out: 2.608+/-290.184 χ^2/NDF: 34.0/35

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 36.264+/-209.021 χ^2/NDF: 74.1/55

All: 136.695+/-148.461 χ^2/NDF: 127.4/114

- sign 238.943+/-210.904 χ^2/NDF: 52.8/58



Right In: 1294.797+/-0.210 χ^2/NDF: 530209.3/30

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

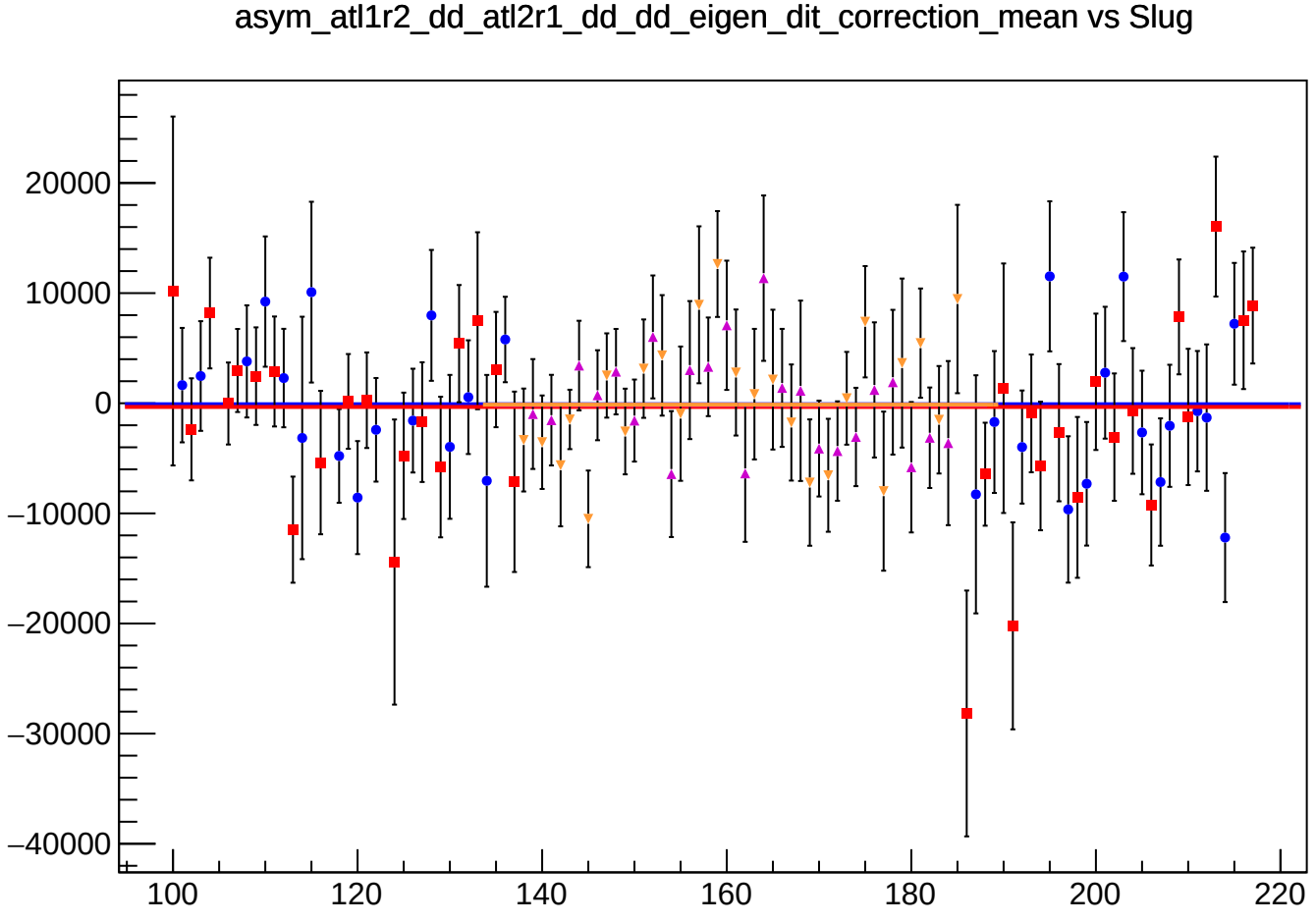
Right Out: 1300.430+/-0.205 χ^2/NDF: 378990.3/35

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.988+/-0.148 χ^2/NDF: 761093.9/55

All: 1299.850+/-0.105 χ^2/NDF: 1189546.0/11

- sign 1306.833+/-0.149 χ^2/NDF: 424103.2/58



Right In: -89.755+/-1008.402 χ^2/NDF: 34.5/30

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

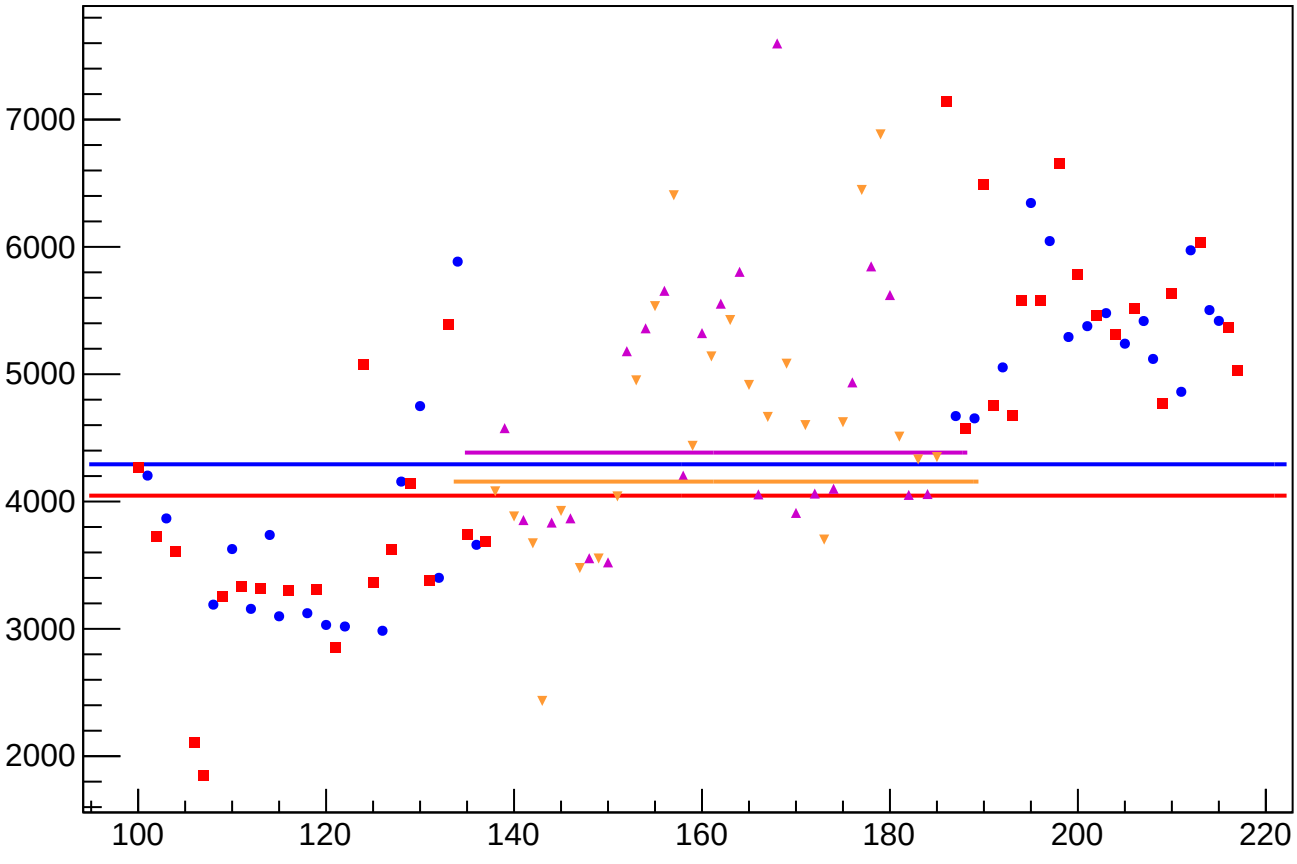
Right Out: -334.961+/-934.371 χ^2/NDF: 48.3/35

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -109.102+/-701.768 χ^2/NDF: 63.1/55

All: -183.602+/-494.420 χ^2/NDF: 125.3/114

- sign -257.029+/-696.691 χ^2/NDF: 62.1/58



Right In: 4292.468+/-0.713 χ^2/NDF: 2142105.7/30

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4046.245+/-0.661 χ^2/NDF: 3653475.0/35

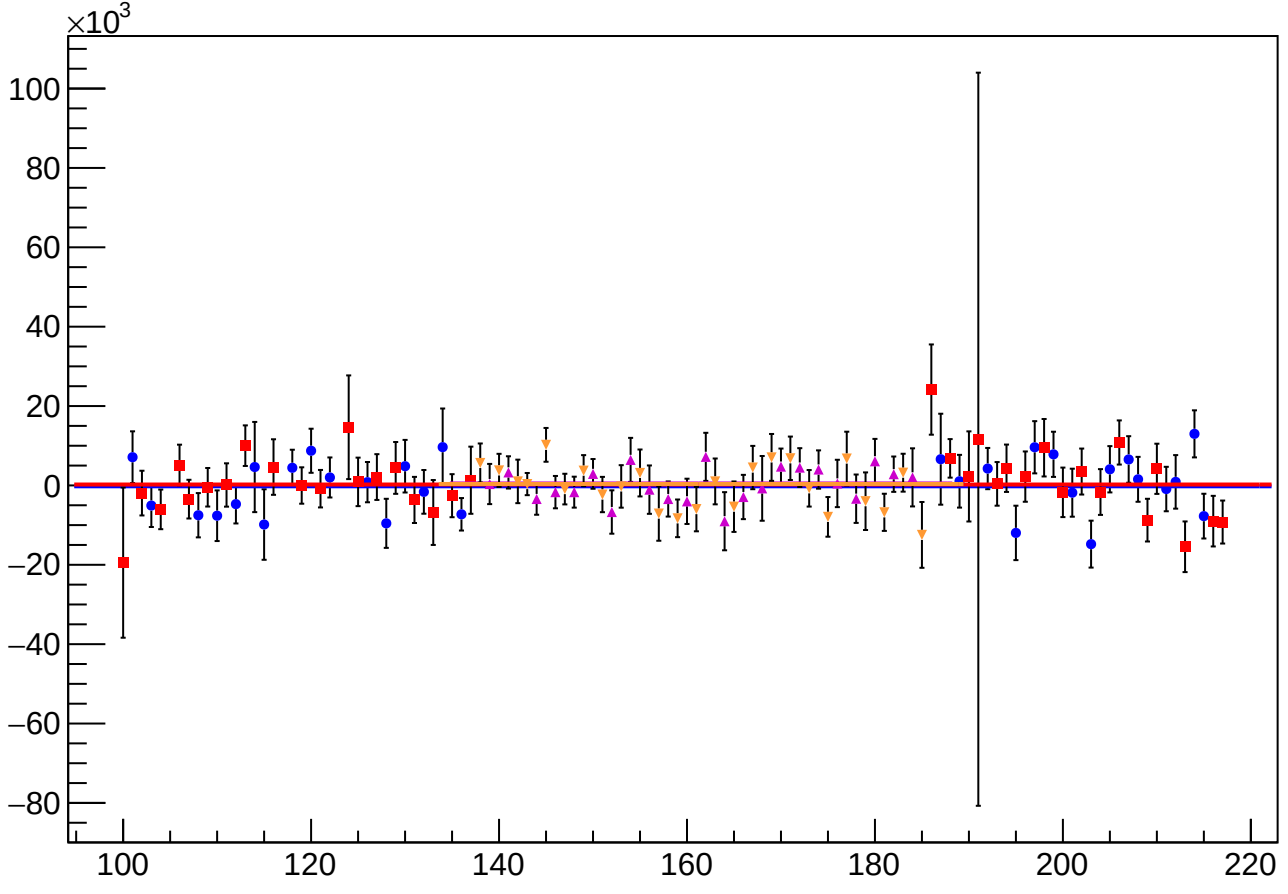
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4222.396+/-0.496 χ^2/NDF: 4241601.7/55

All: 4209.288+/-0.350 χ^2/NDF: 9268206.7/11

- sign 4196.368+/-0.493 χ^2/NDF: 5025219.5/58

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -220.989+/-1060.049 χ^2/NDF: 41.4/30

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 228.319+/-1008.085 χ^2/NDF: 38.7/35

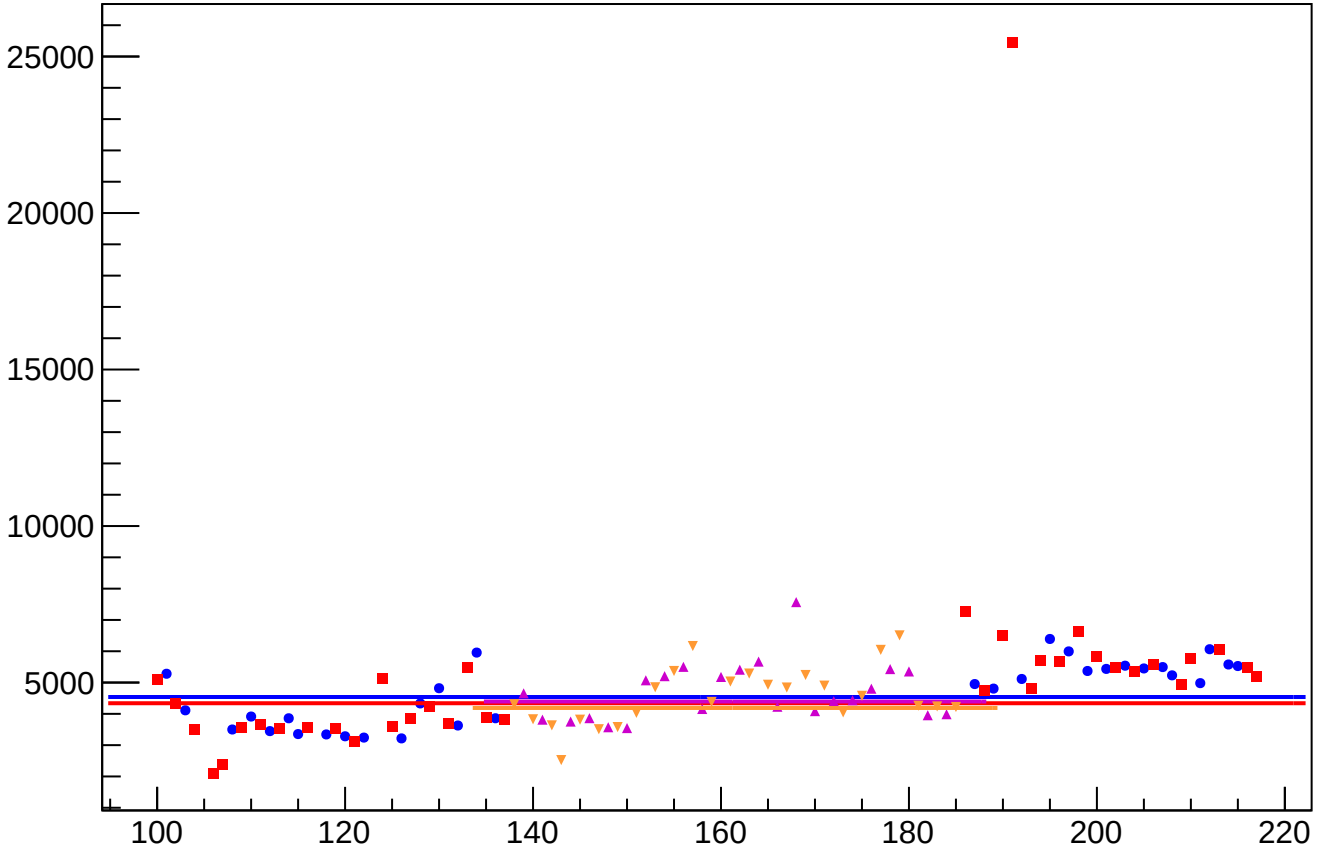
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 93.672+/-719.547 χ^2/NDF: 69.2/55

All: 224.820+/-510.862 χ^2/NDF: 121.8/114

- sign 358.120+/-725.425 χ^2/NDF: 52.6/58

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4538.146+/-0.750 χ^2/NDF: 1724125.7/30

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

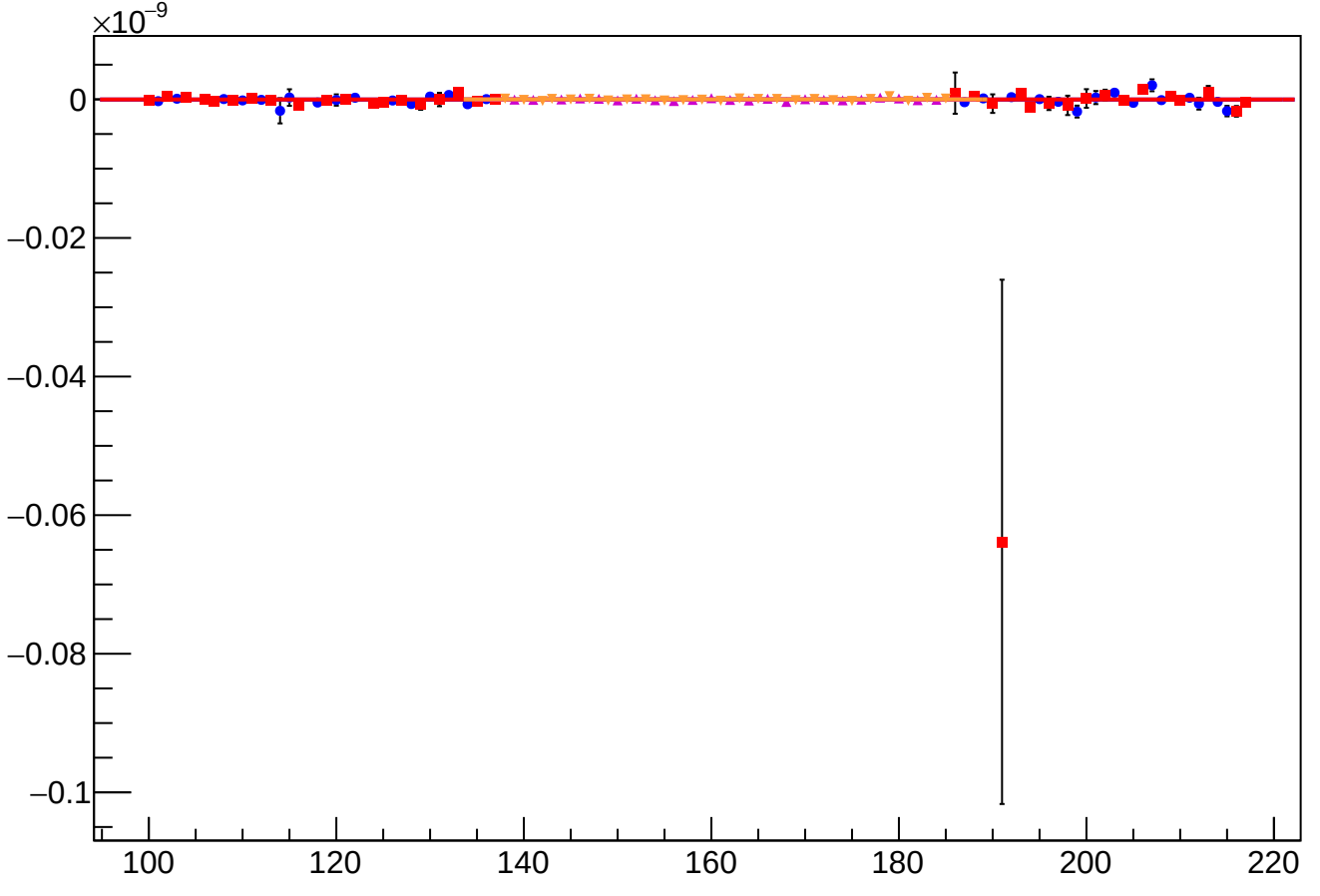
Right Out: 4339.144+/-0.707 χ^2/NDF: 2890722.2/35

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4349.249+/-0.509 χ^2/NDF: 3638244.4/55

All: 4357.358+/-0.361 χ^2/NDF: 7620782.8/11

- sign 4365.534+/-0.511 χ^2/NDF: 3982028.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

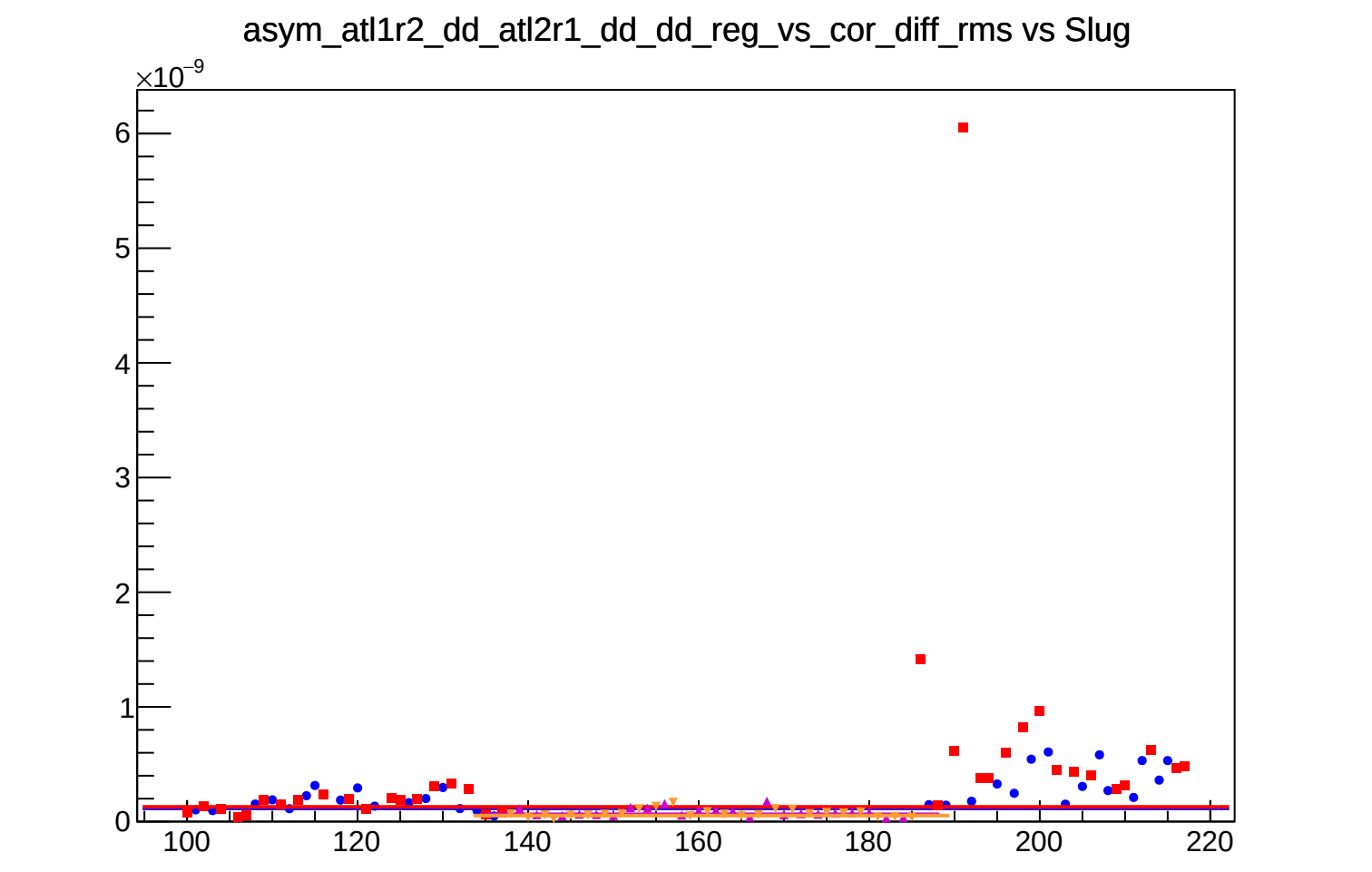
Right Out: -0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.1/55

All: -0.000+/-0.000 χ^2/NDF: 128.8/114

- sign -0.000+/-0.000 χ^2/NDF: 57.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 5930476.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

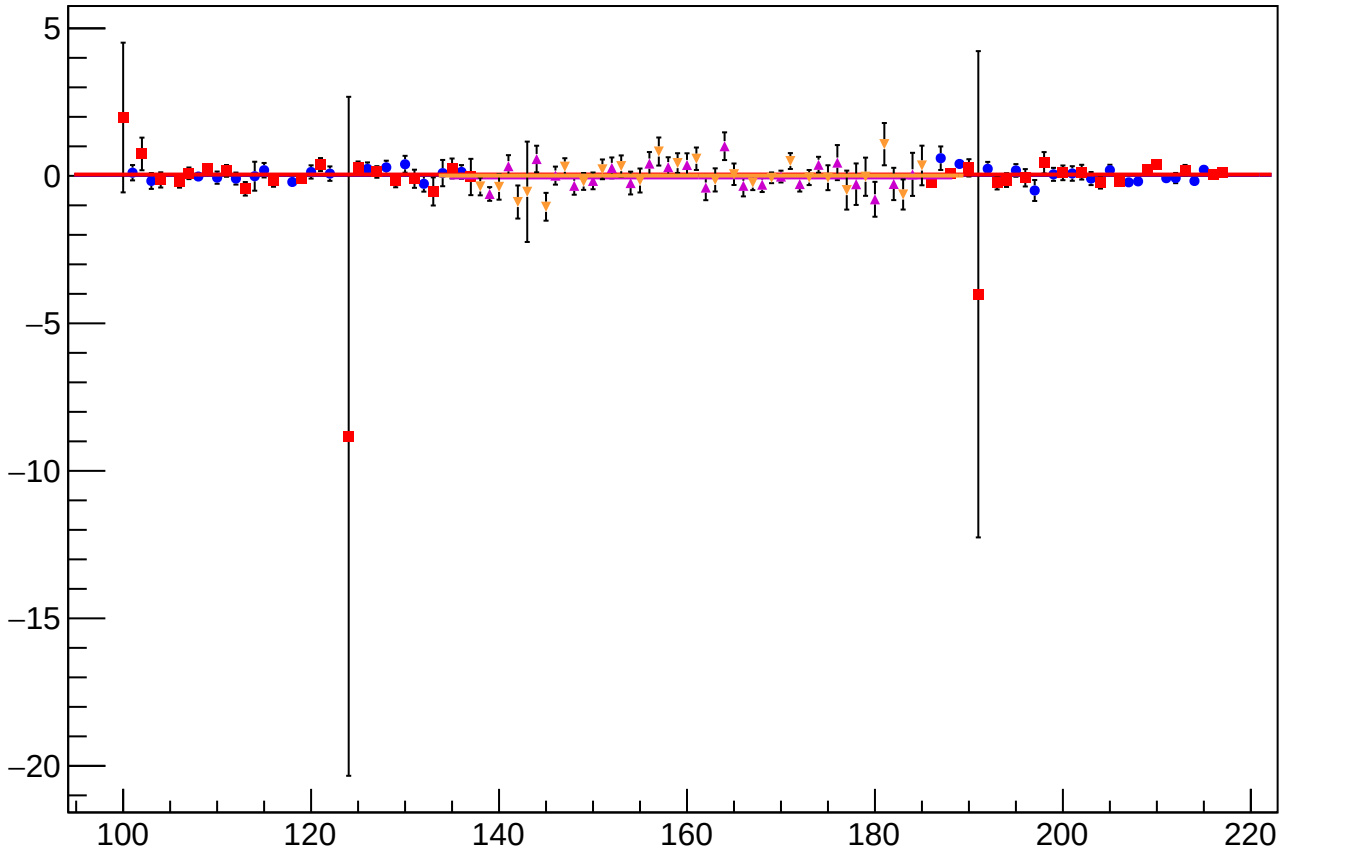
Right Out: 0.000+/-0.000 χ^2/NDF: 8366184.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10866985.4/55

All: 0.000+/-0.000 χ^2/NDF: 23338607.4/114

- sign 0.000+/-0.000 χ^2/NDF: 12162726.9/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

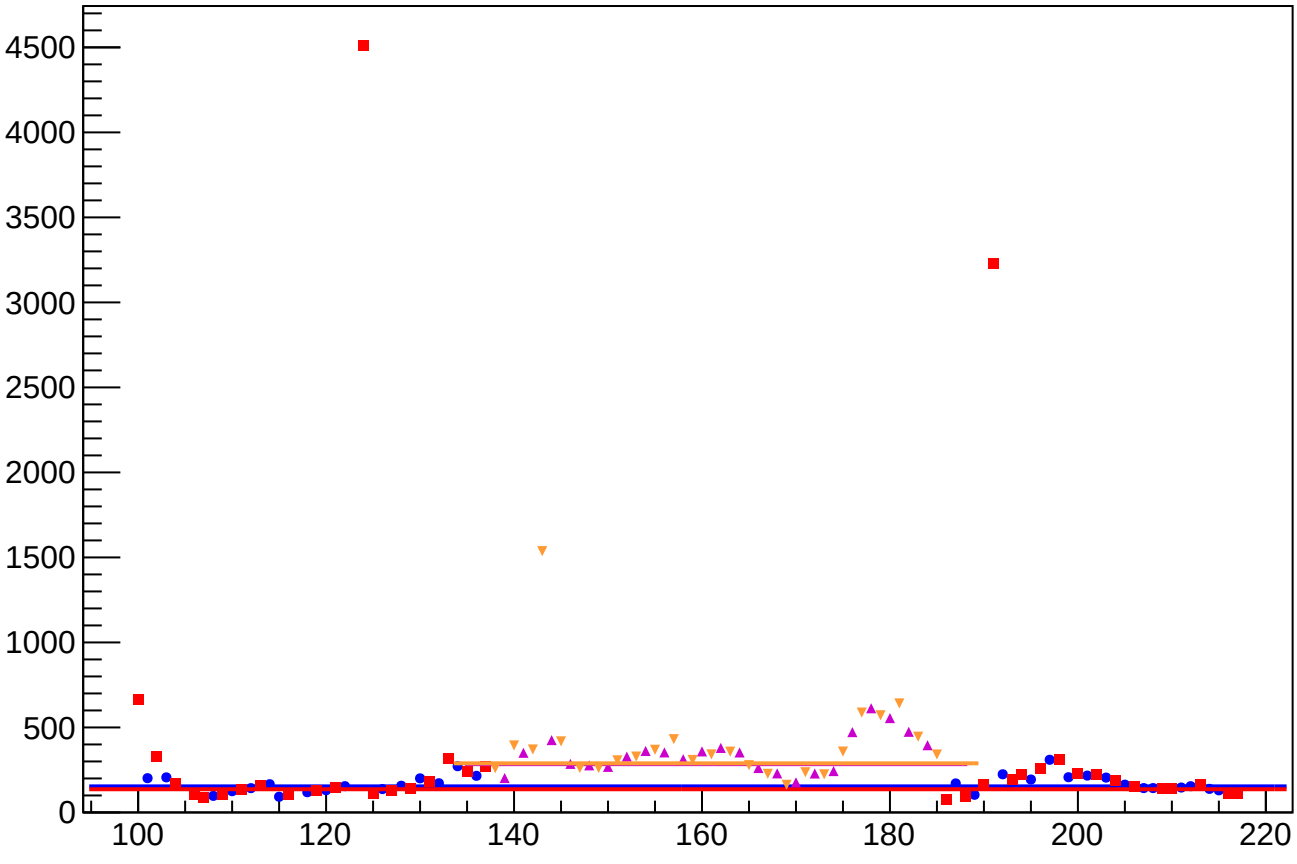
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

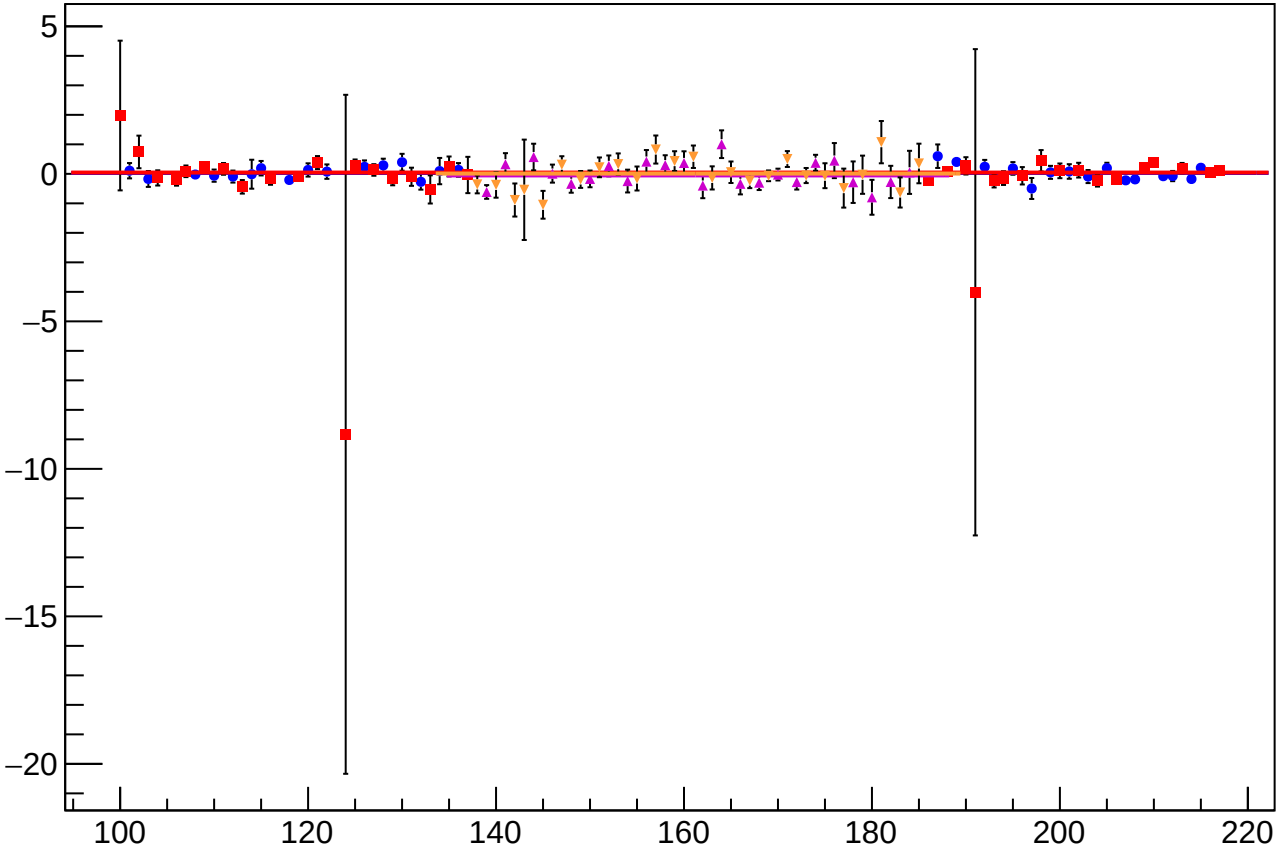
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 182.019+/-0.023 χ^2/NDF: 12746955.7/55

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

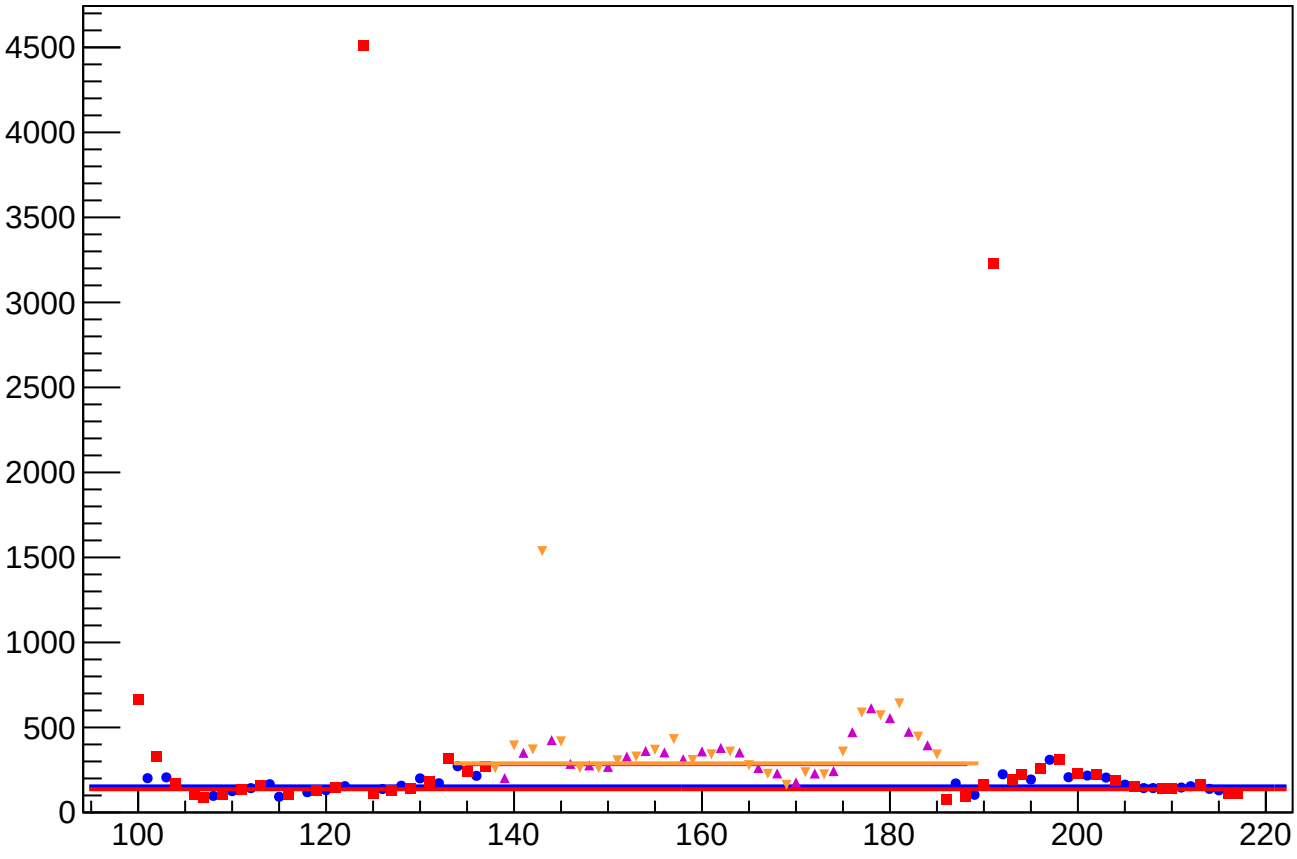
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.295+/-0.026 χ^2/NDF: 2349343.2/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

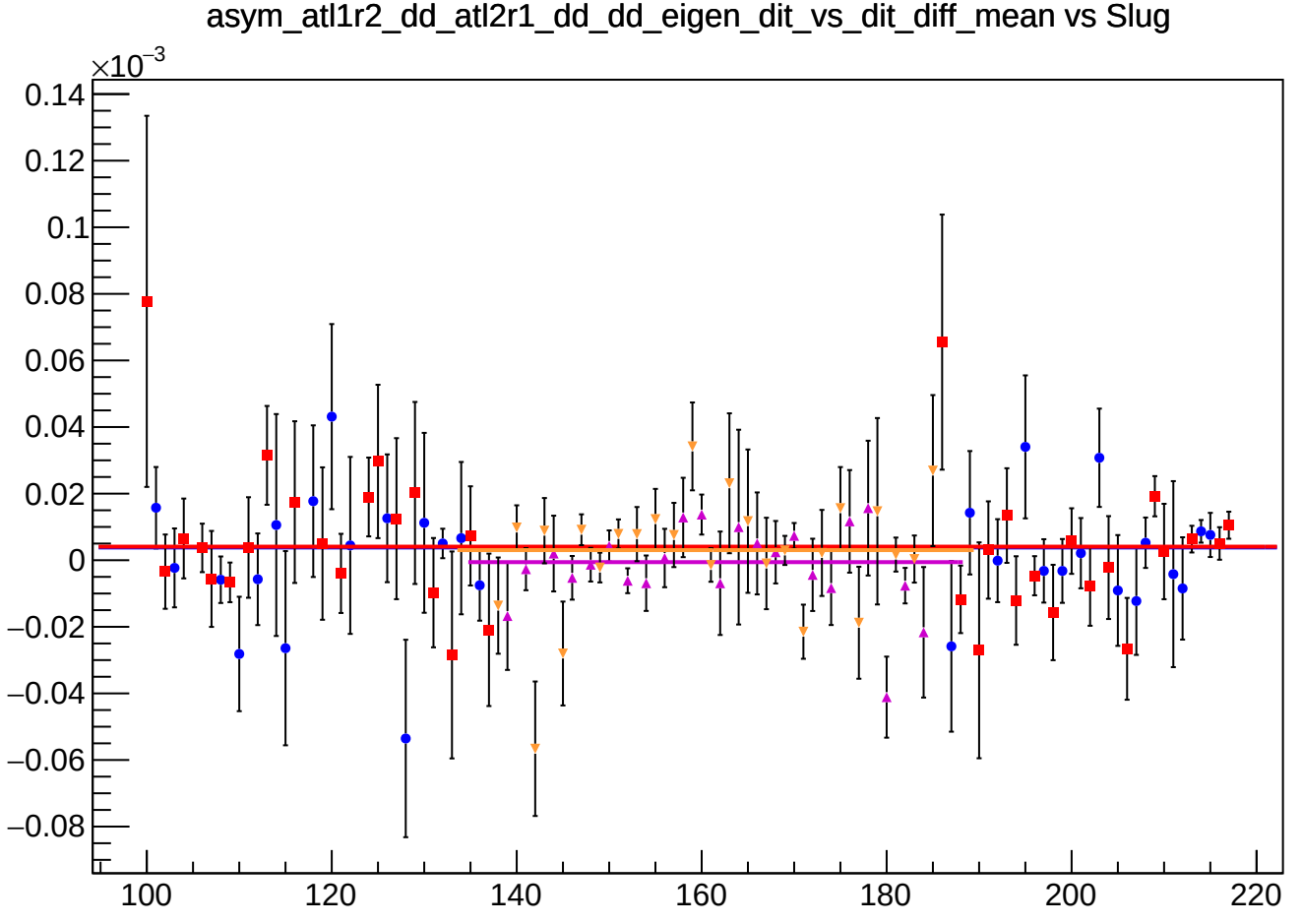
Right Out: 136.564+/-0.023 χ^2/NDF: 4892006.5/35

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 182.019+/-0.023 χ^2/NDF: 12746955.7/55

All: 171.888+/-0.016 χ^2/NDF: 28265631.1/11

- sign 163.355+/-0.021 χ^2/NDF: 15164655.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

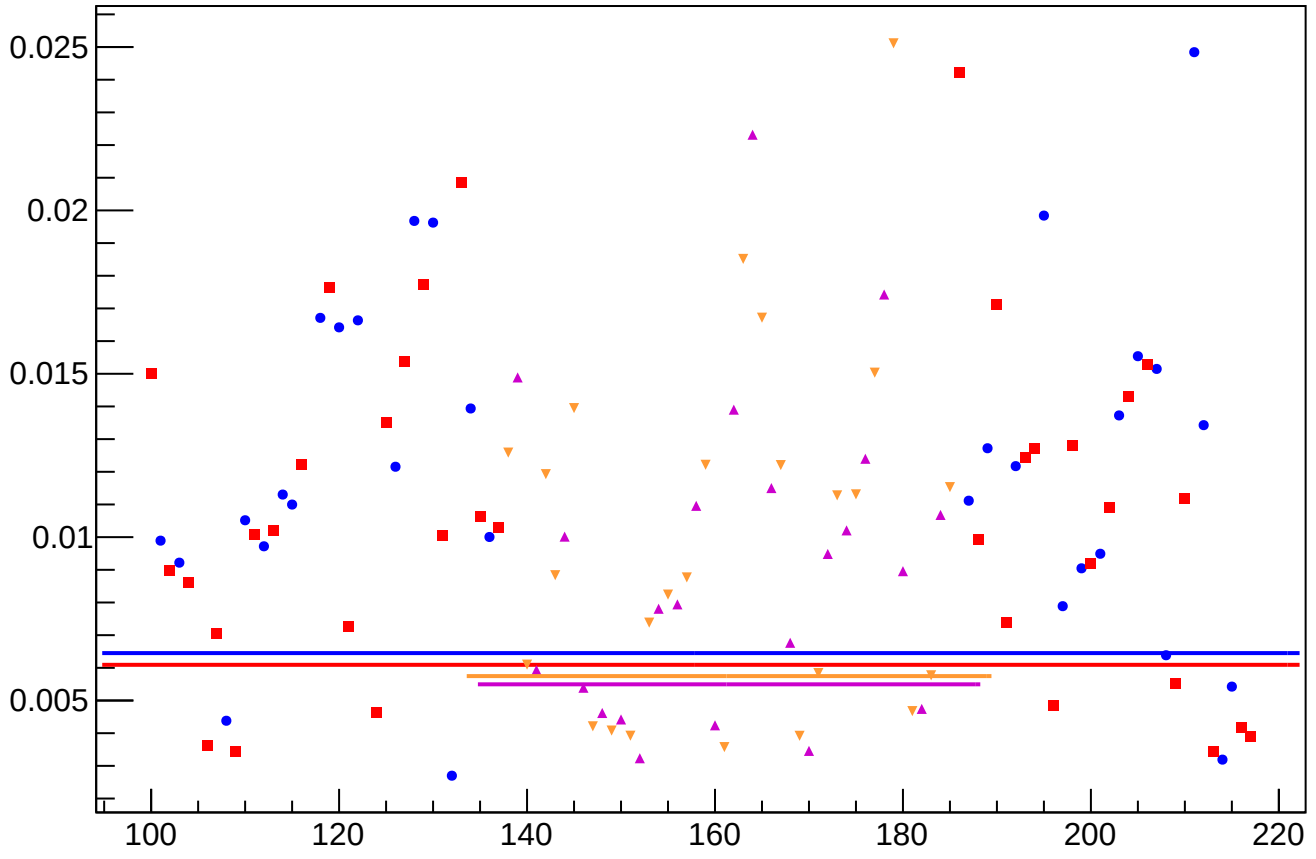
Right Out: 0.000+/-0.000 χ^2/NDF: 42.8/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.1/55

All: 0.000+/-0.000 χ^2/NDF: 152.7/114

- sign 0.000+/-0.000 χ^2/NDF: 80.5/58



Right In: 0.006+/-0.000 χ^2/NDF: 11320349.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

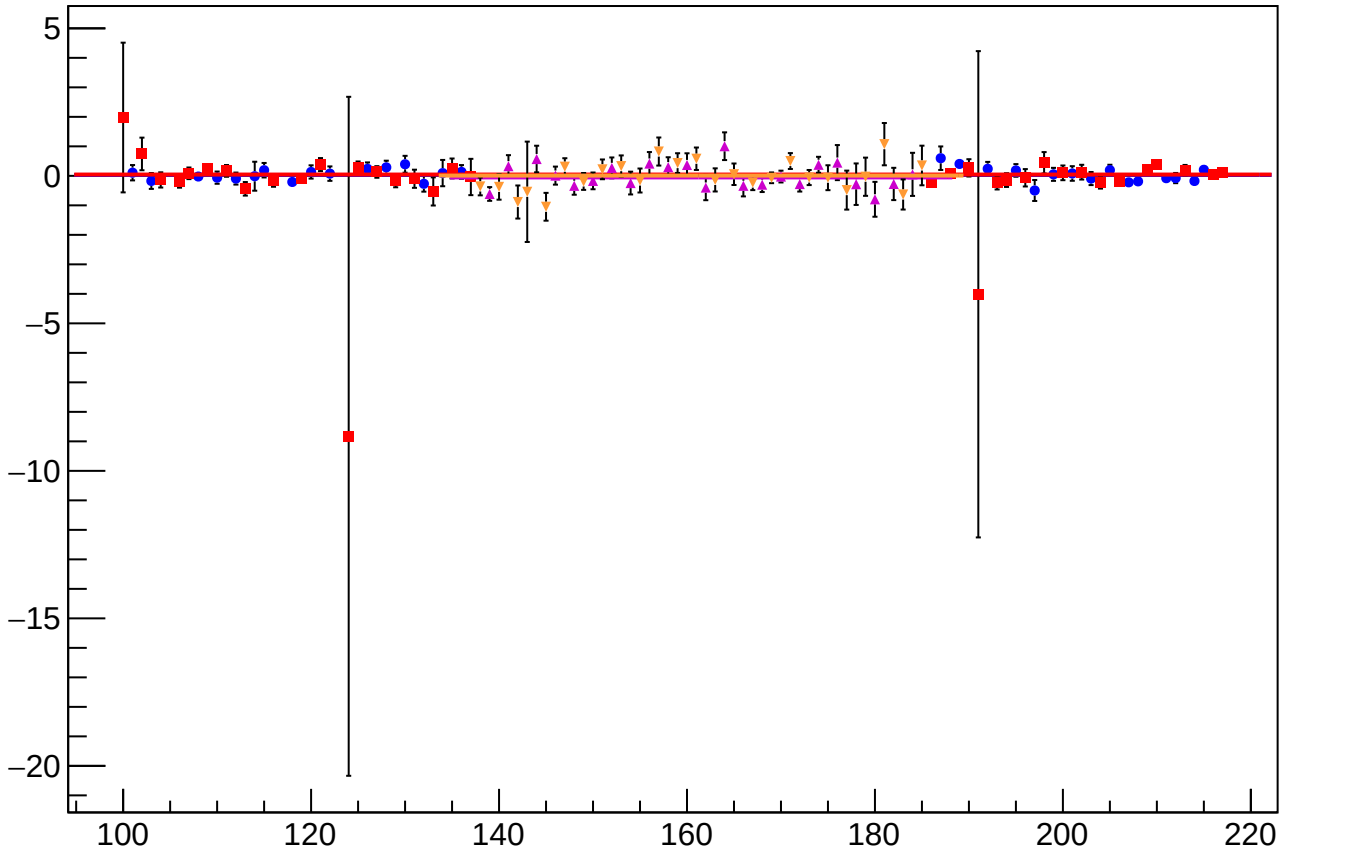
Right Out: 0.006+/-0.000 χ^2/NDF: 9846323.4/35

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 19625941.1/55

All: 0.006+/-0.000 χ^2/NDF: 36609293.3/114

- sign 0.006+/-0.000 χ^2/NDF: 16930806.2/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

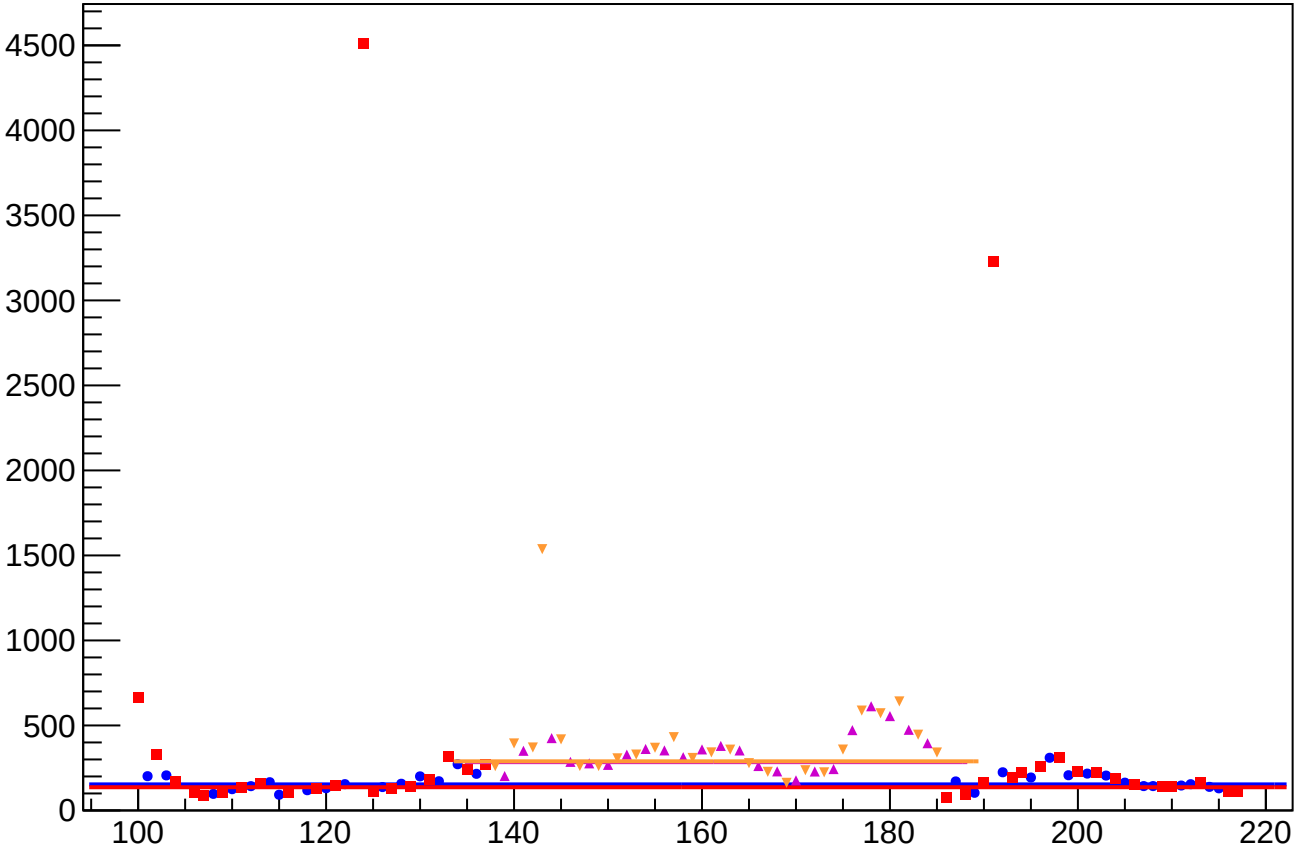
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

- sign 0.026+/-0.030 χ^2/NDF: 70.6/58

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

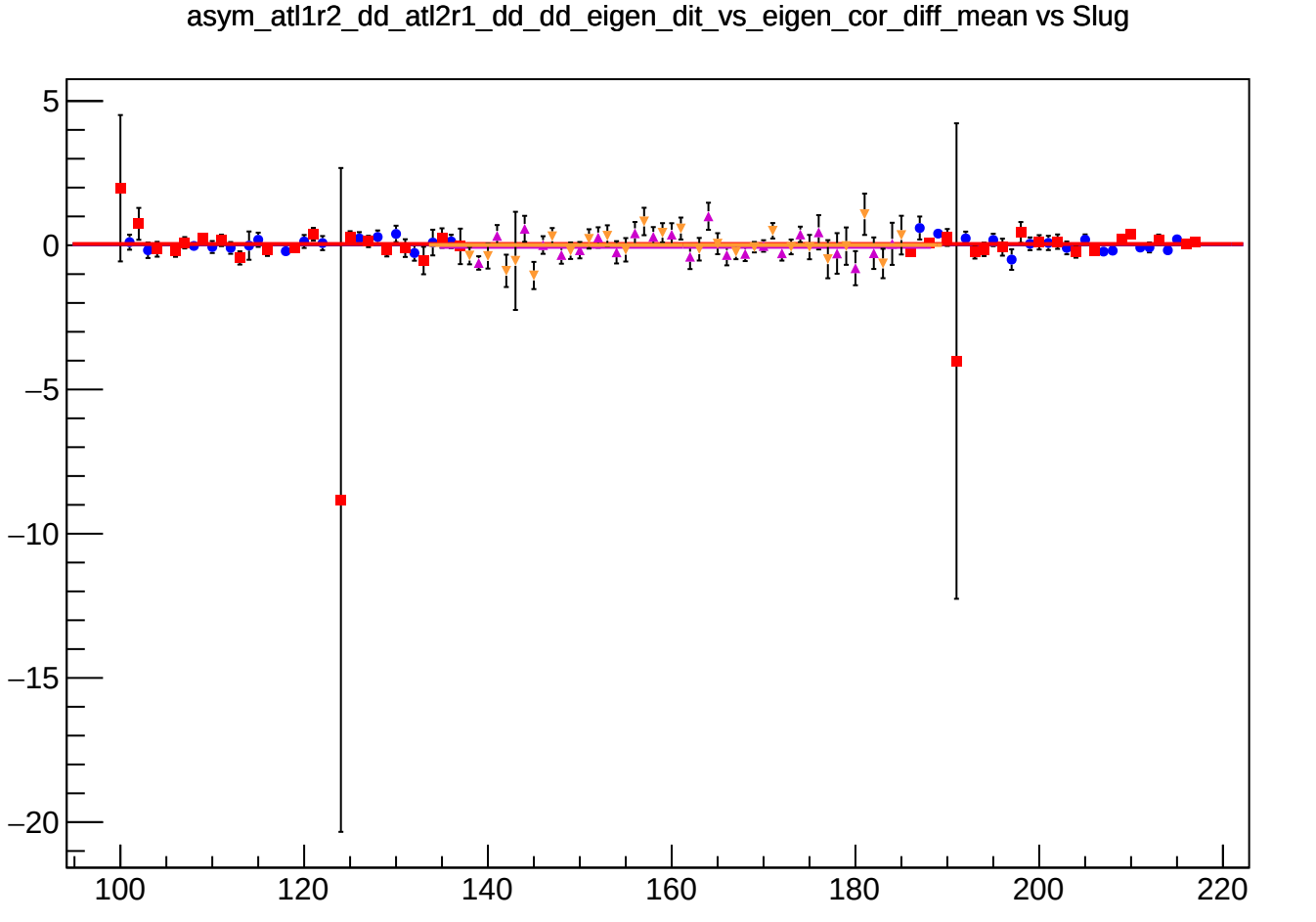
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.029+/-0.037 χ^2/NDF: 31.2/30

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

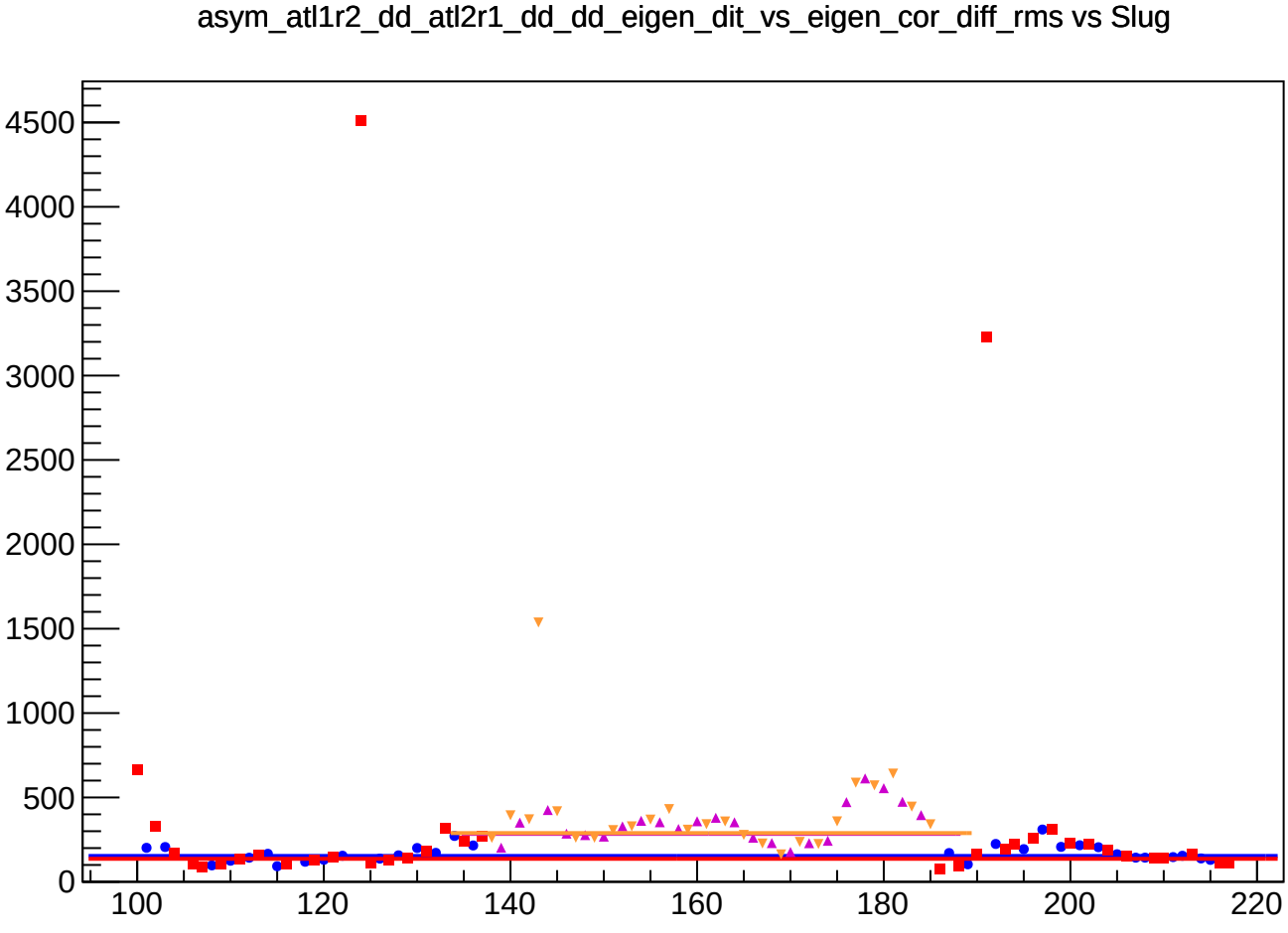
Right Out: 0.044+/-0.033 χ^2/NDF: 41.3/35

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.025+/-0.033 χ^2/NDF: 60.1/55

All: 0.026+/-0.022 χ^2/NDF: 130.7/114

\- sign 0.026+/-0.030 χ^2/NDF: 70.6/58



Right In: 153.296+/-0.026 χ^2/NDF: 2349328.6/30

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

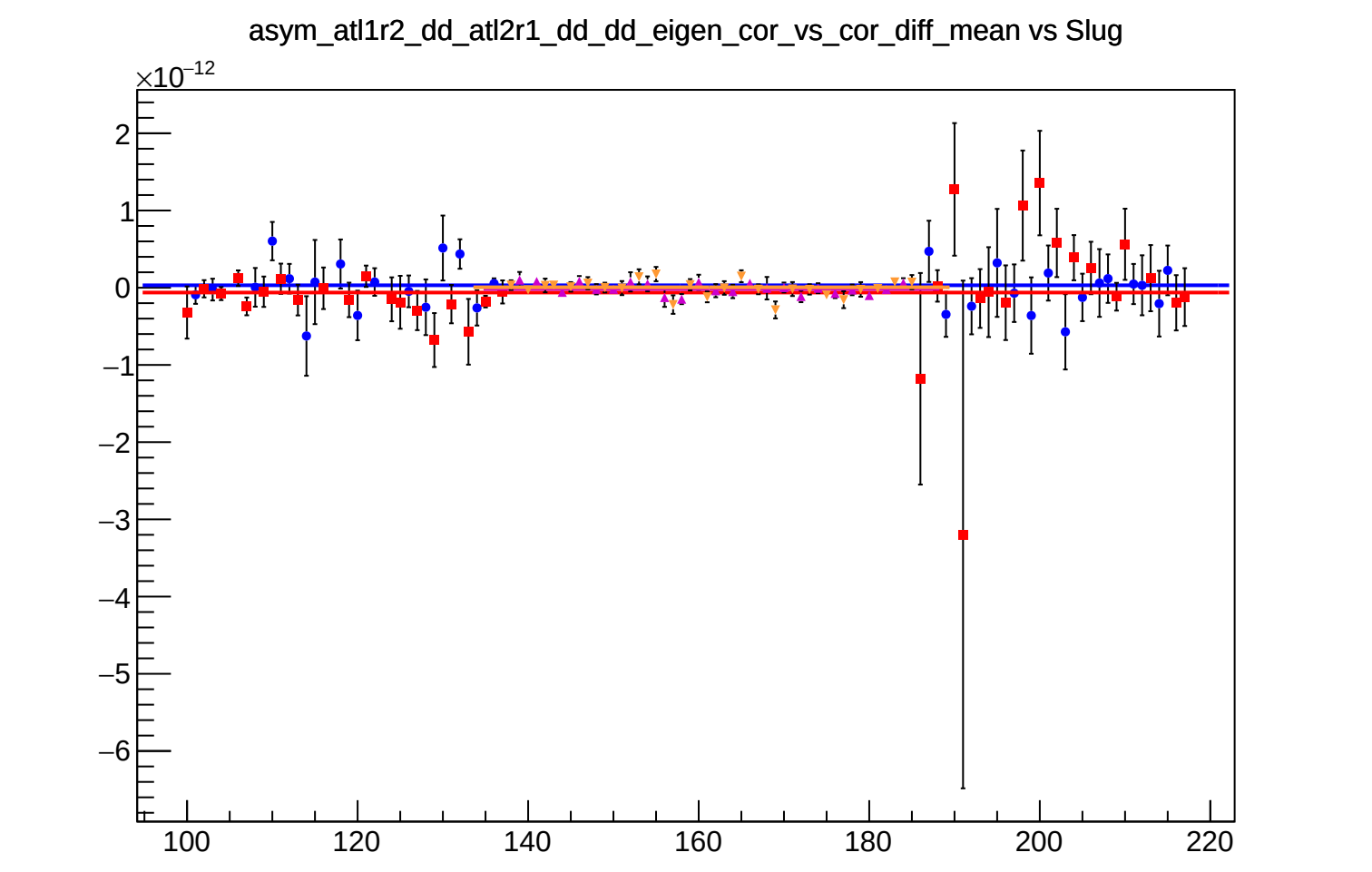
Right Out: 136.566+/-0.023 χ^2/NDF: 4891847.9/35

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 182.019+/-0.023 χ^2/NDF: 12747066.0/55

All: 171.889+/-0.016 χ^2/NDF: 28265530.7/11

- sign 163.357+/-0.021 χ^2/NDF: 15164494.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

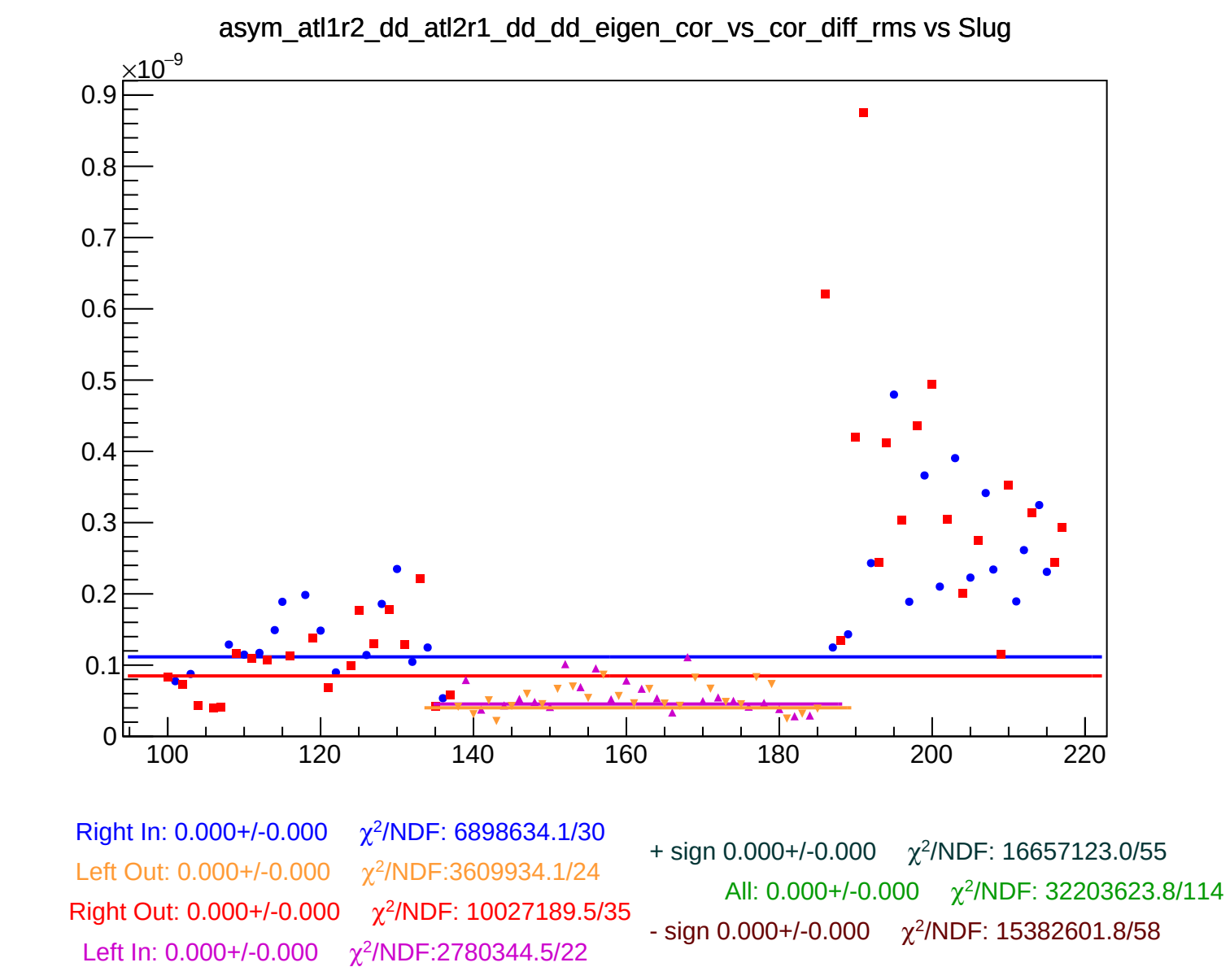
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/35

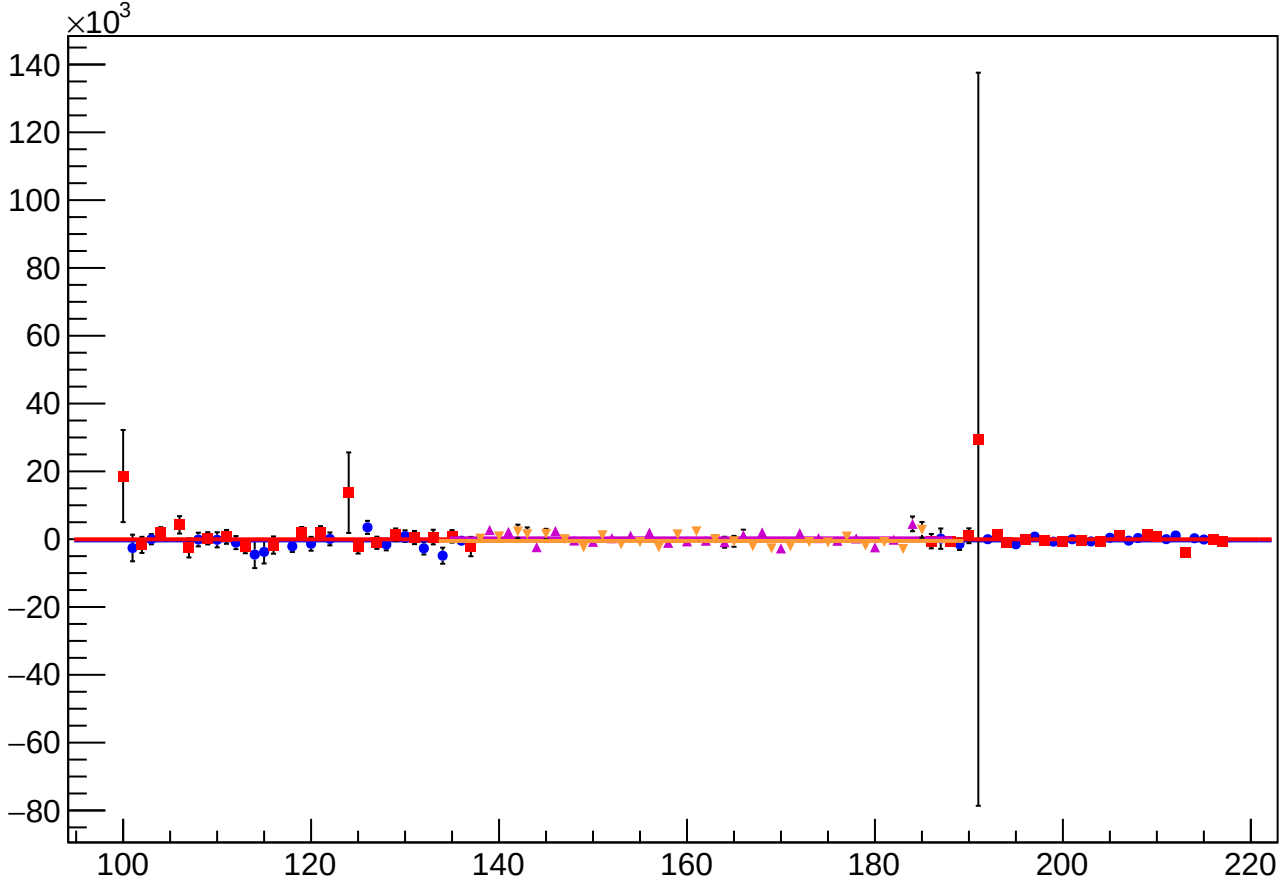
Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/55

All: -0.000+/-0.000 χ^2/NDF: 126.3/114

- sign -0.000+/-0.000 χ^2/NDF: 62.6/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 6898634.1/30
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10027189.5/35
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 16657123.0/55
All: 0.000+/-0.000 χ²/NDF: 32203623.8/114
- sign 0.000+/-0.000 χ²/NDF: 15382601.8/58



Right In: -361.129+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -37.386+/-286.628 χ^2/NDF: 30.1/35

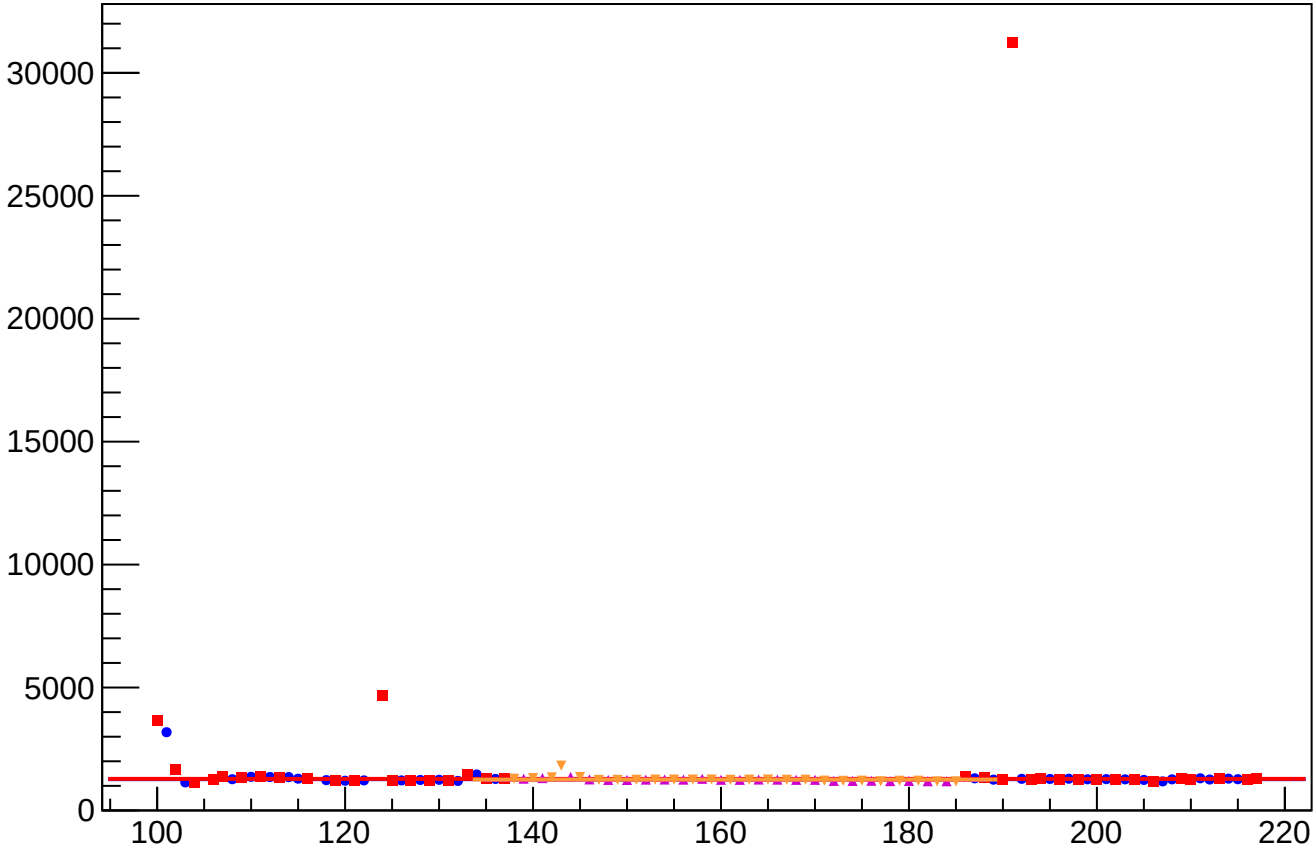
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -439.421+/-204.310 χ^2/NDF: 49.3/55

All: -169.422+/-144.452 χ^2/NDF: 115.4/114

- sign 100.450+/-204.262 χ^2/NDF: 62.6/58

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534165.5/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

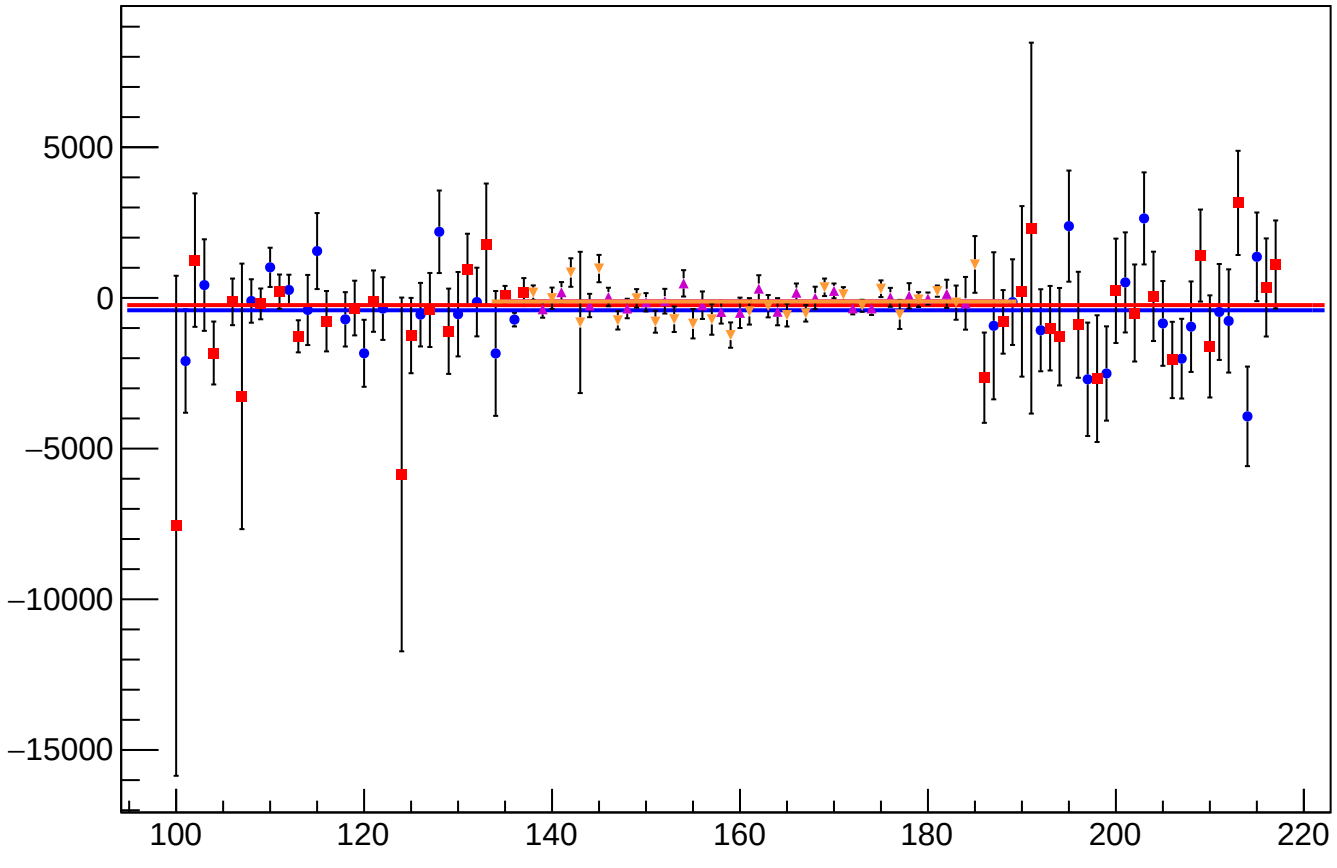
Right Out: 1283.769+/-0.203 χ^2/NDF: 508275.4/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741093.7/55

All: 1264.797+/-0.102 χ^2/NDF: 1306027.7/11

- sign 1265.356+/-0.144 χ^2/NDF: 564904.1/58



Right In: -410.326+/-155.400 χ^2/NDF: 36.1/30

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

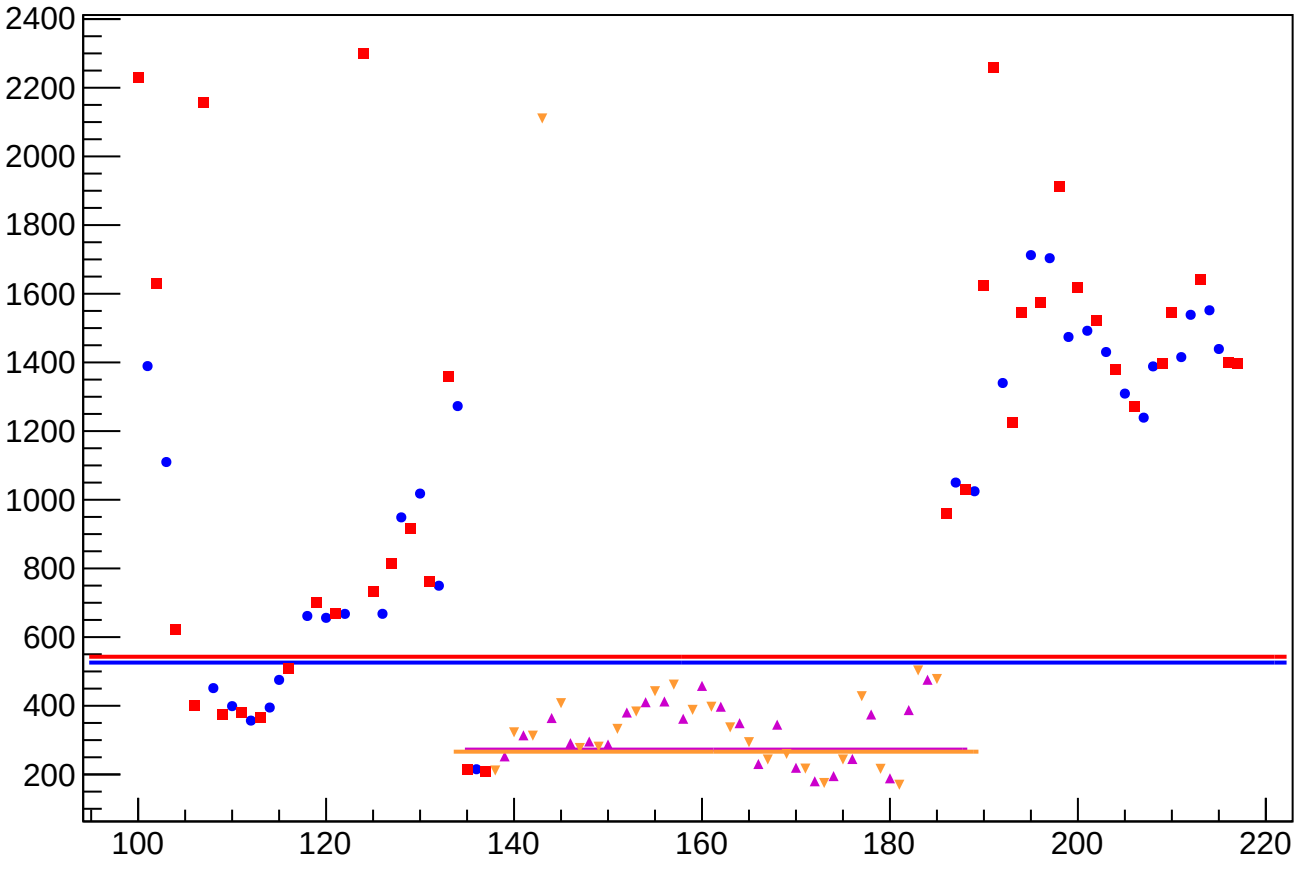
Right Out: -238.735+/-155.290 χ^2/NDF: 28.8/35

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -160.769+/-60.012 χ^2/NDF: 87.6/55

All: -144.772+/-42.958 χ^2/NDF: 130.9/114

\- sign -127.962+/-61.519 χ^2/NDF: 43.2/58



Right In: 525.804+/-0.110 χ^2/NDF: 15268100.9/30

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

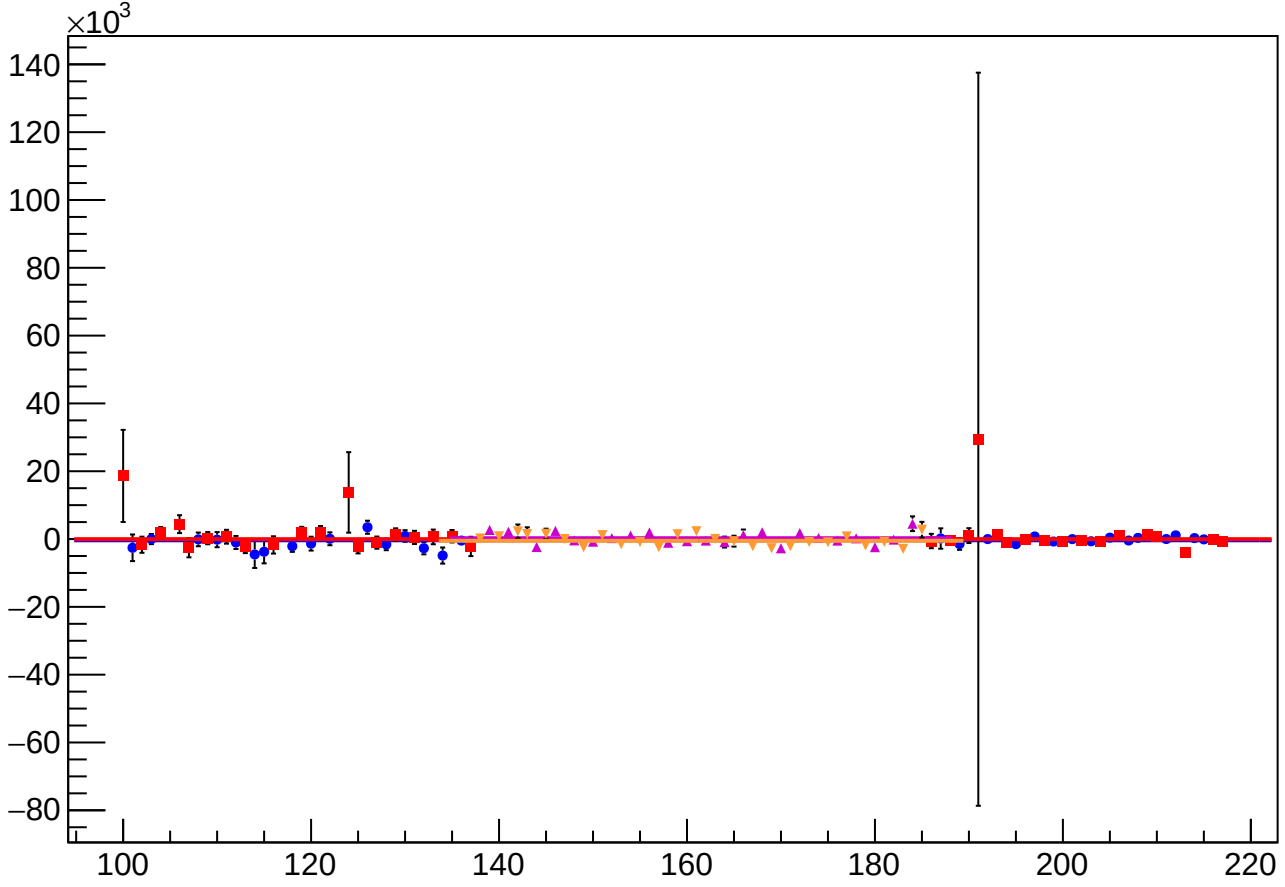
Right Out: 542.813+/-0.110 χ^2/NDF: 15813748.1/35

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 305.018+/-0.042 χ^2/NDF: 24642956.4/55

All: 309.793+/-0.030 χ^2/NDF: 48484491.3/11

- sign 314.811+/-0.044 χ^2/NDF: 23815566.4/58



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

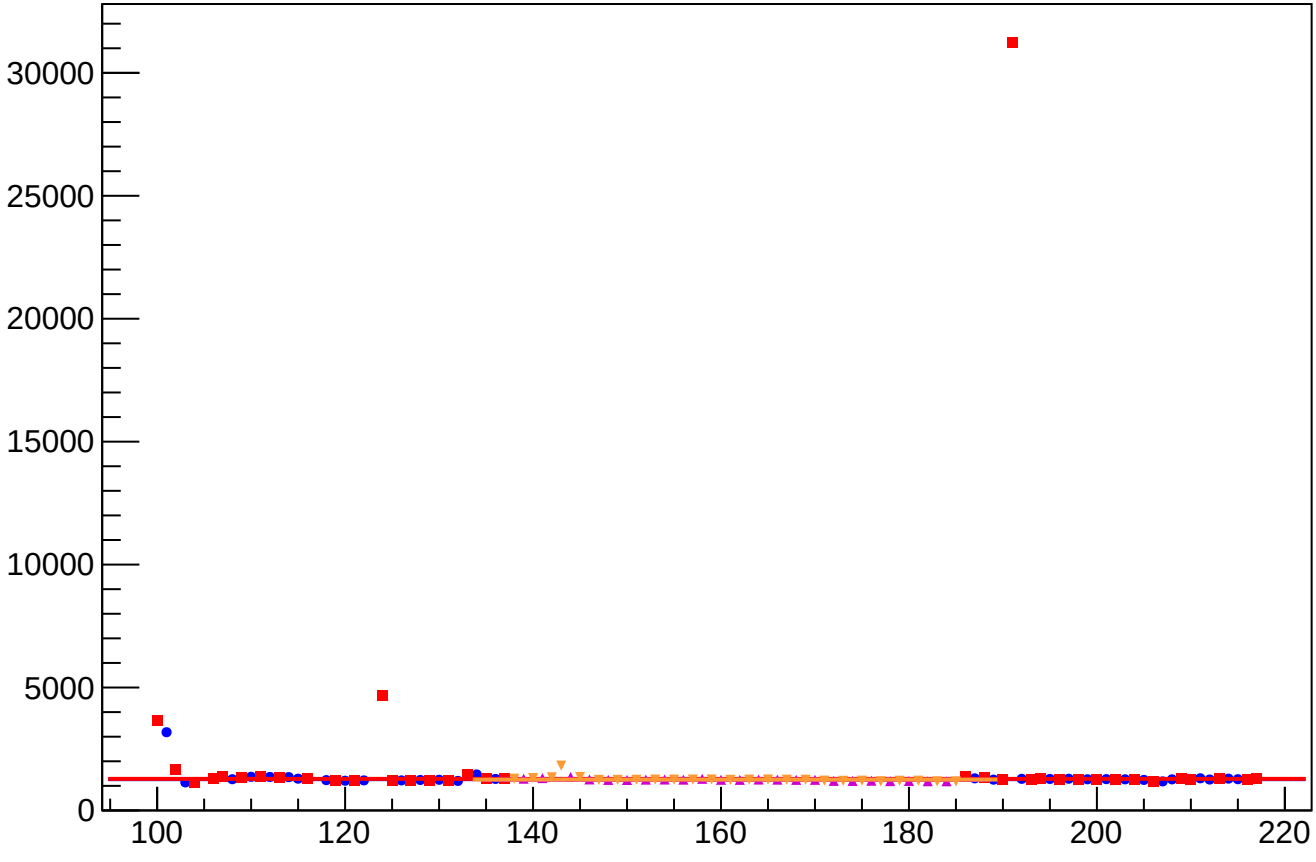
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -439.327+/-204.310 χ^2/NDF: 49.3/55

All: -169.707+/-144.466 χ^2/NDF: 115.4/114

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

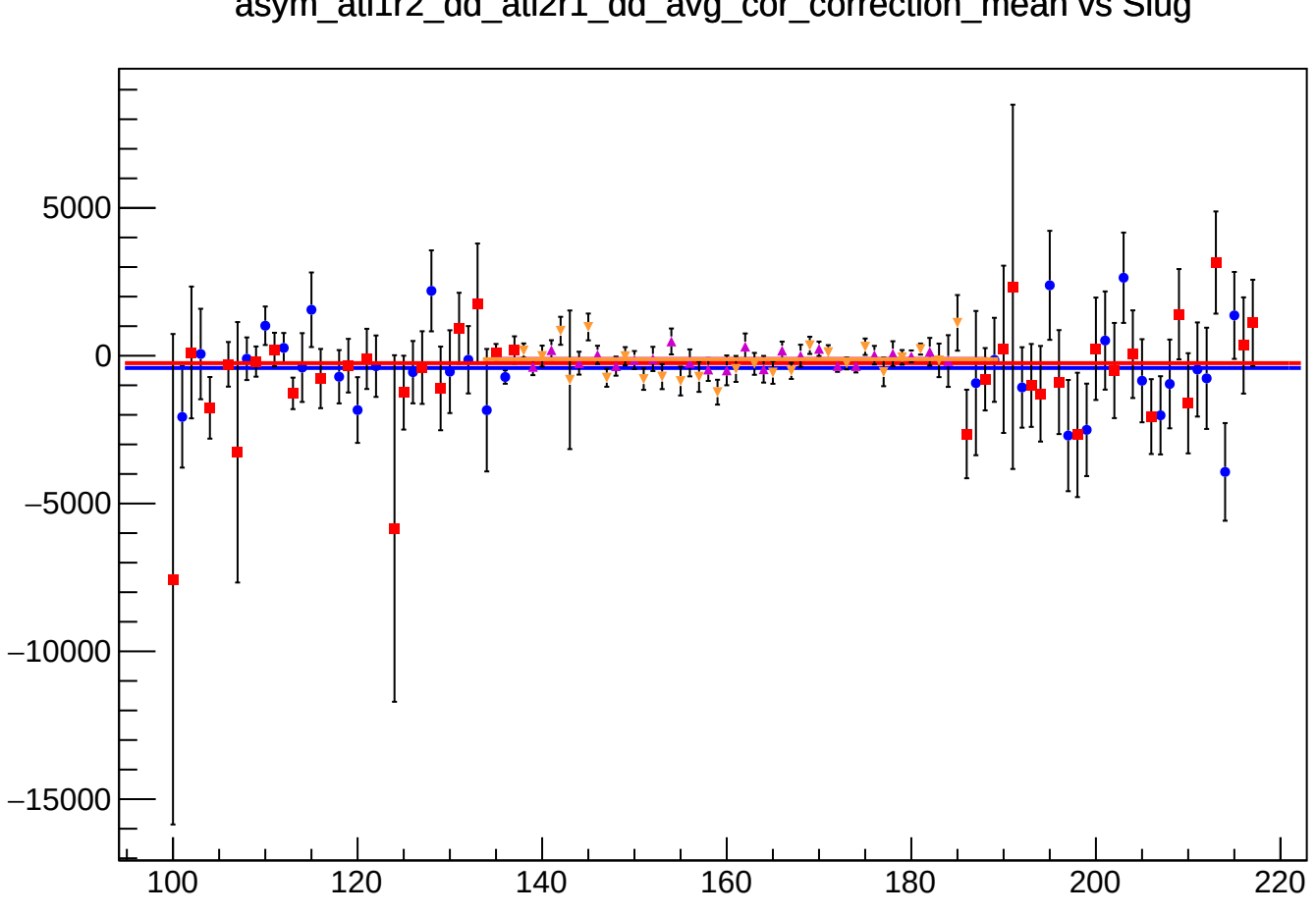
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741095.1/55

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

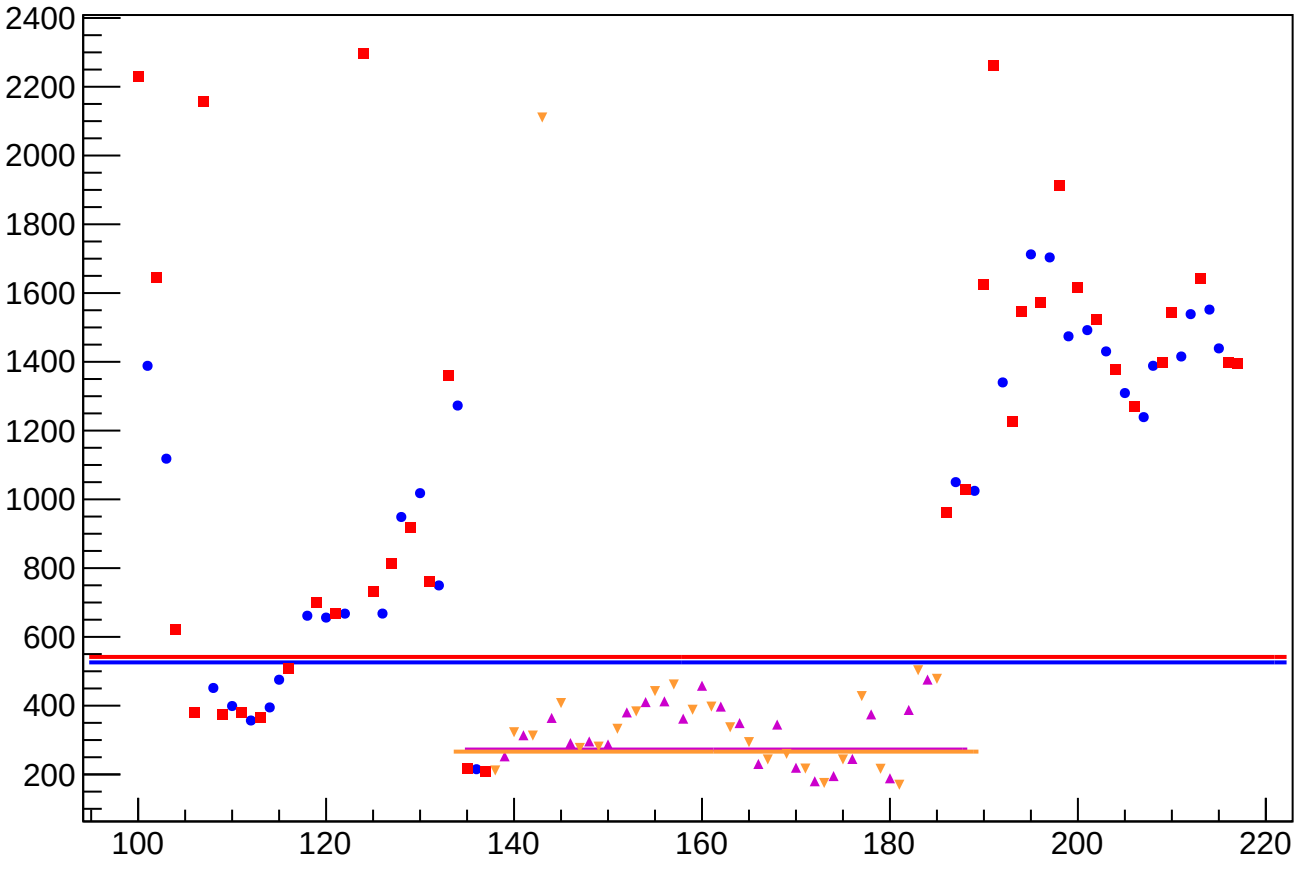
Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -161.310+/-60.014 χ^2/NDF: 87.5/55

All: -145.954+/-42.956 χ^2/NDF: 130.2/114

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

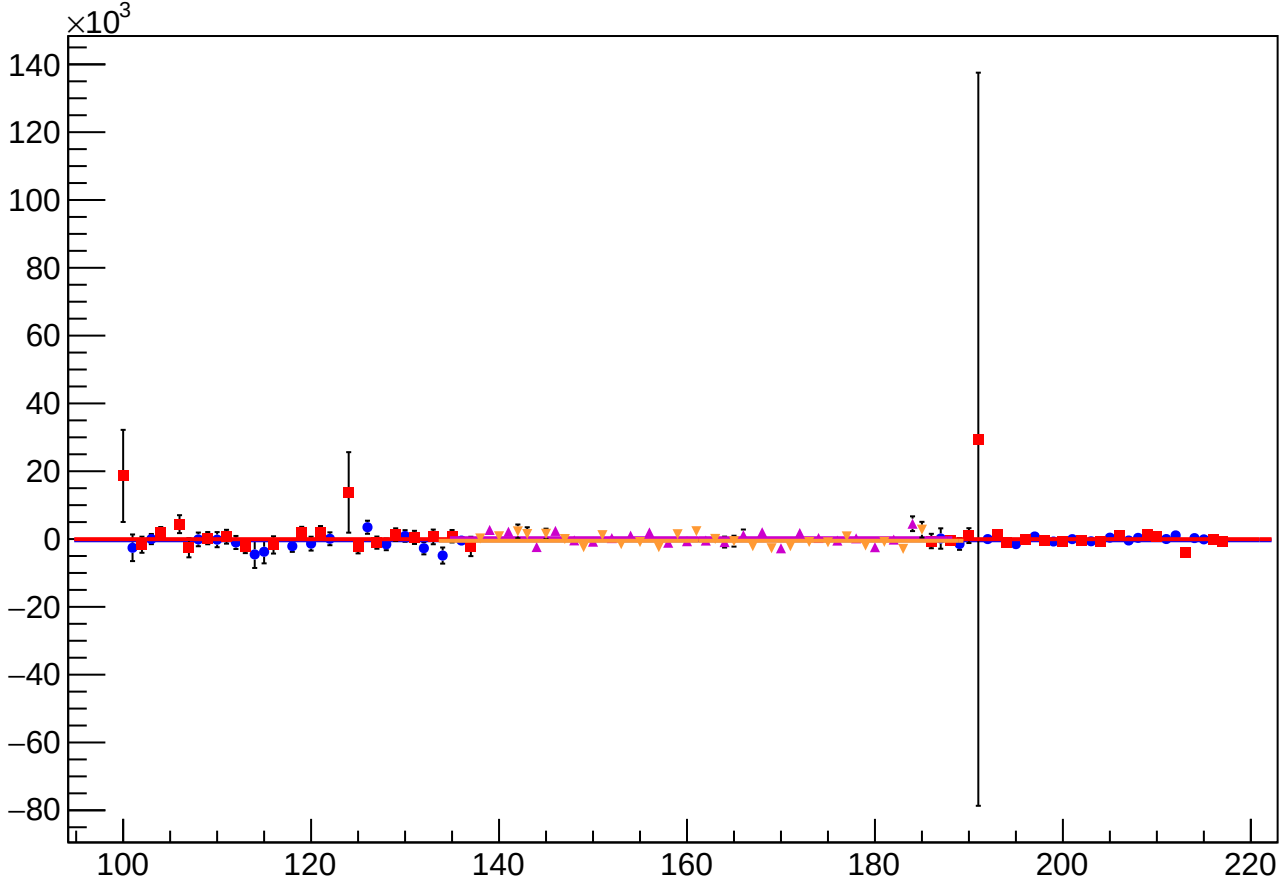
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 305.021+/-0.042 χ^2/NDF: 24645734.9/55

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -360.995+/-292.027 χ^2/NDF: 18.2/30

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -38.571+/-286.735 χ^2/NDF: 30.1/35

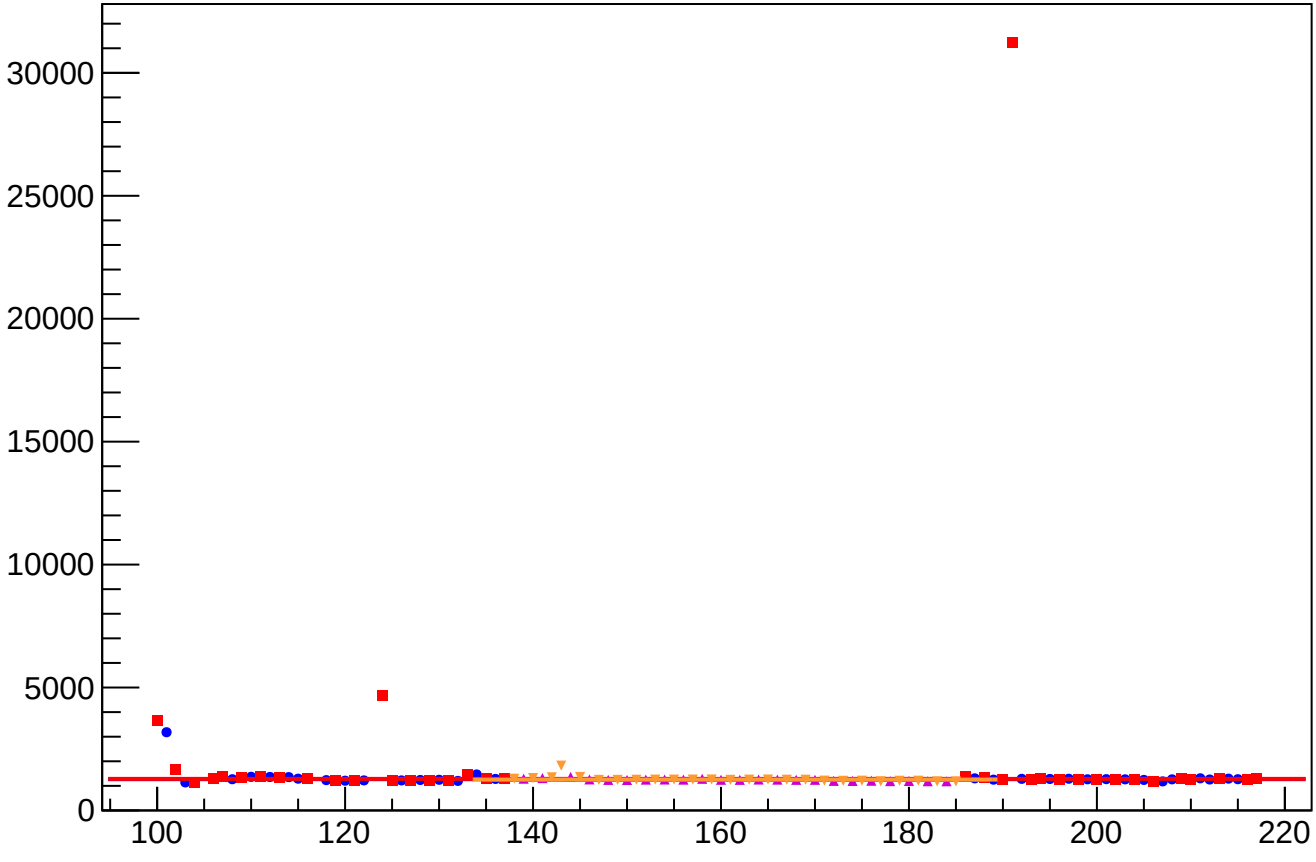
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -439.327+/-204.310 χ^2/NDF: 49.3/55

All: -169.707+/-144.466 χ^2/NDF: 115.4/114

- sign 99.890+/-204.301 χ^2/NDF: 62.6/58

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.339+/-0.206 χ^2/NDF: 534166.8/30

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

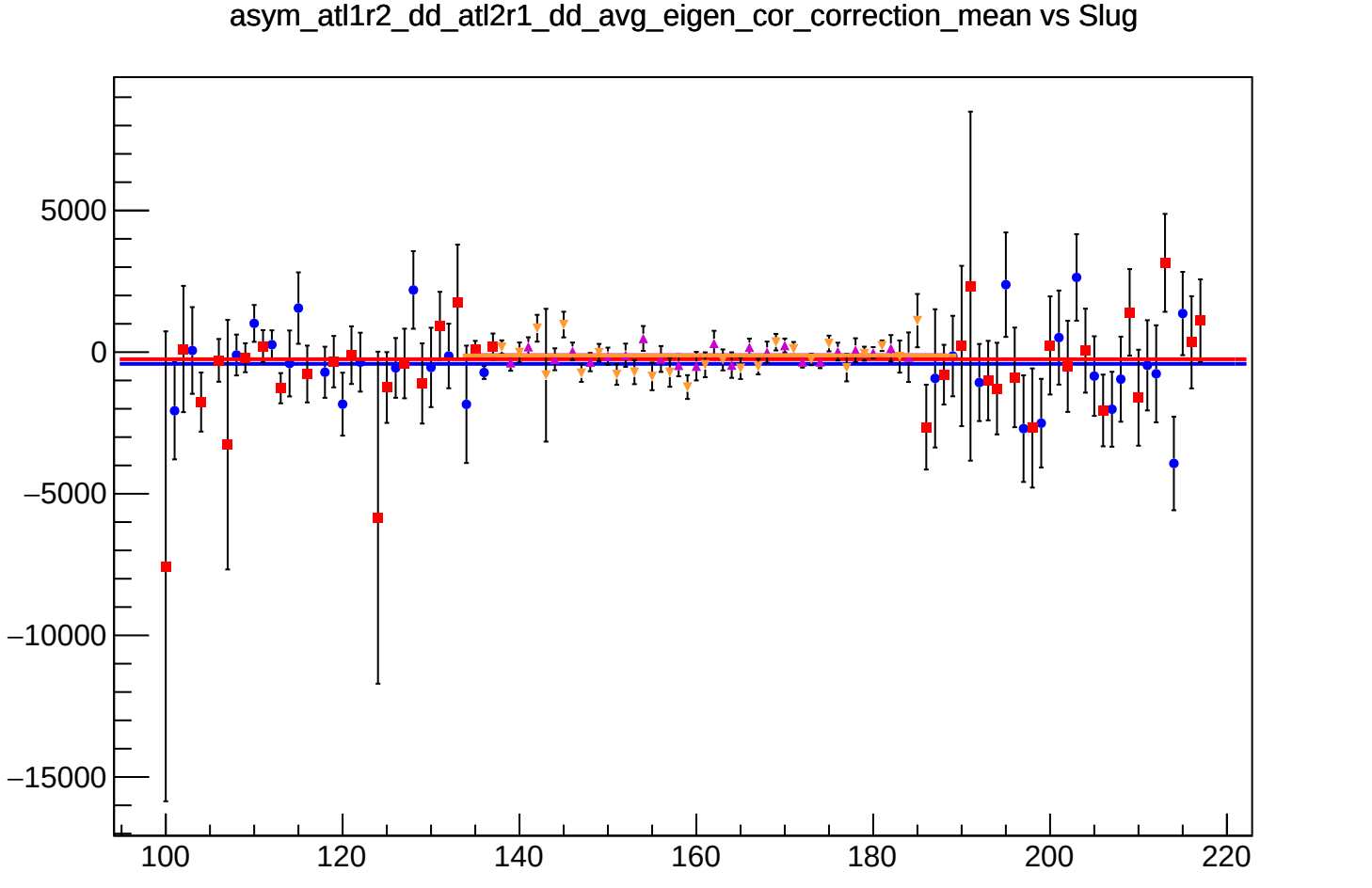
Right Out: 1284.265+/-0.203 χ^2/NDF: 508255.1/35

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.239+/-0.144 χ^2/NDF: 741095.1/55

All: 1264.920+/-0.102 χ^2/NDF: 1306463.8/11

- sign 1265.600+/-0.144 χ^2/NDF: 565324.3/58



Right In: -414.142+/-155.415 χ^2/NDF: 35.9/30

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

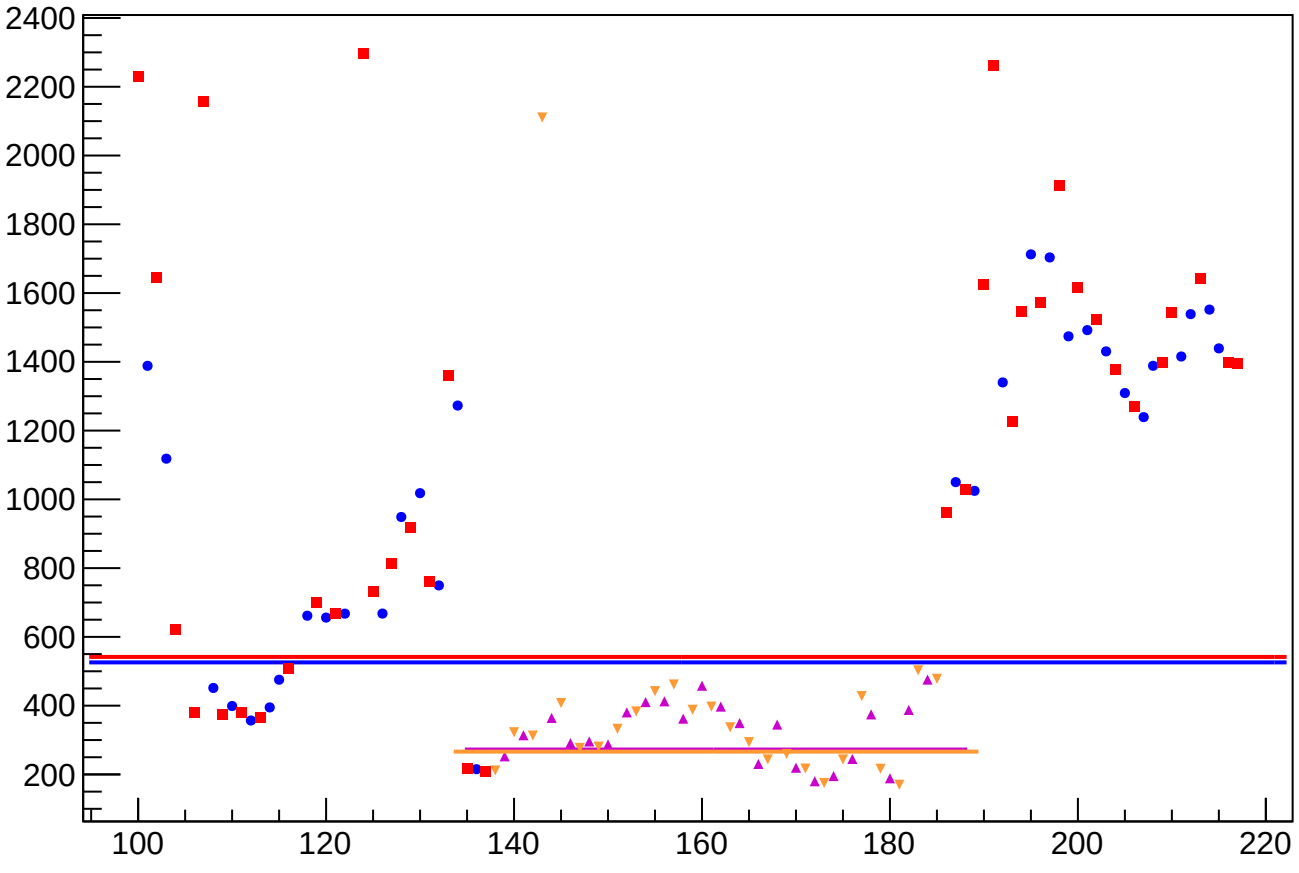
Right Out: -249.711+/-155.138 χ^2/NDF: 28.2/35

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -161.310+/-60.014 χ^2/NDF: 87.5/55

All: -145.954+/-42.956 χ^2/NDF: 130.2/114

- sign -129.822+/-61.511 χ^2/NDF: 42.6/58



Right In: 525.826+/-0.110 χ^2/NDF: 15271071.4/30

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

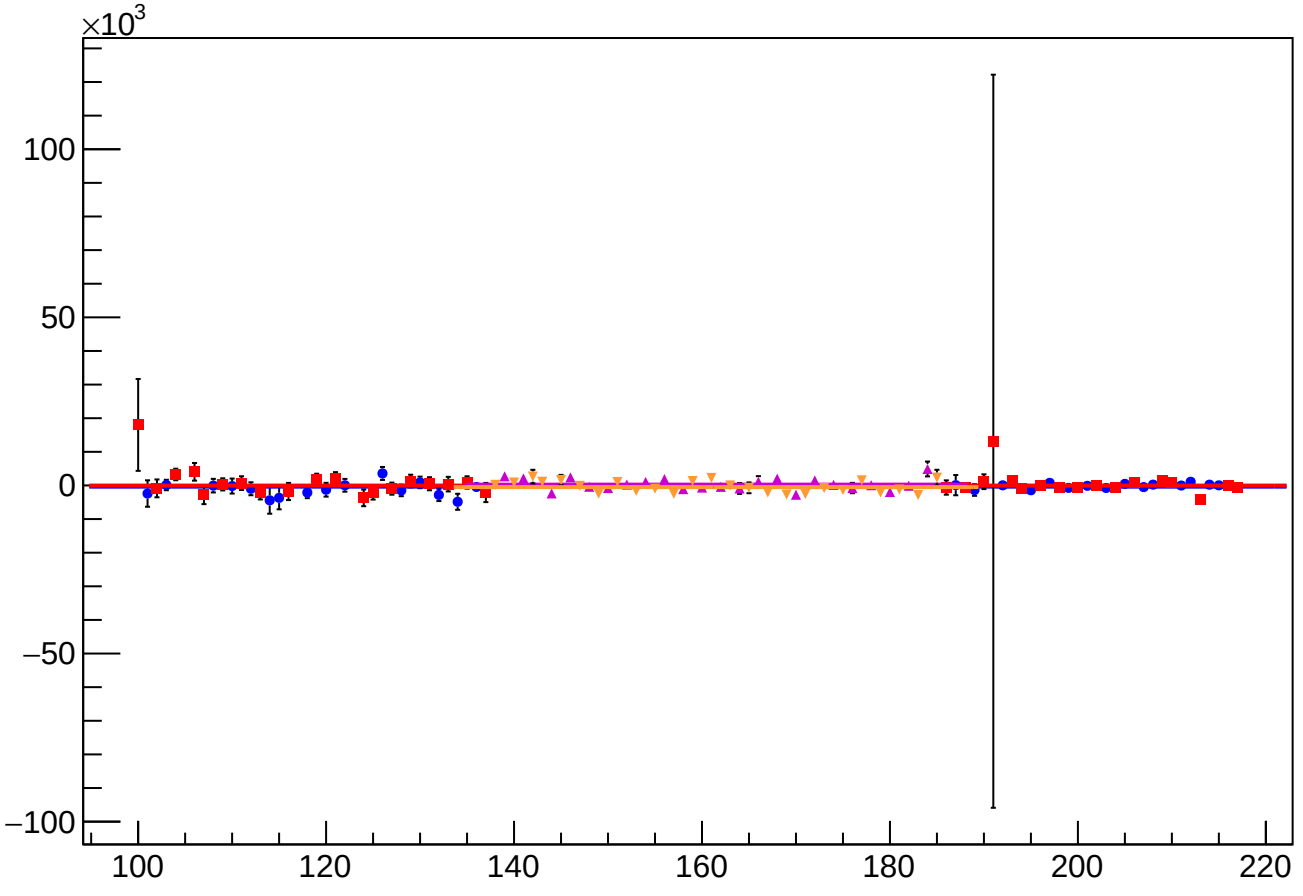
Right Out: 541.712+/-0.110 χ^2/NDF: 15844382.5/35

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 305.021+/-0.042 χ^2/NDF: 24645734.9/55

All: 309.751+/-0.030 χ^2/NDF: 48483612.3/11

- sign 314.719+/-0.043 χ^2/NDF: 23812410.7/58



Right In: -352.361+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.237+/-286.290 χ^2/NDF: 32.0/35

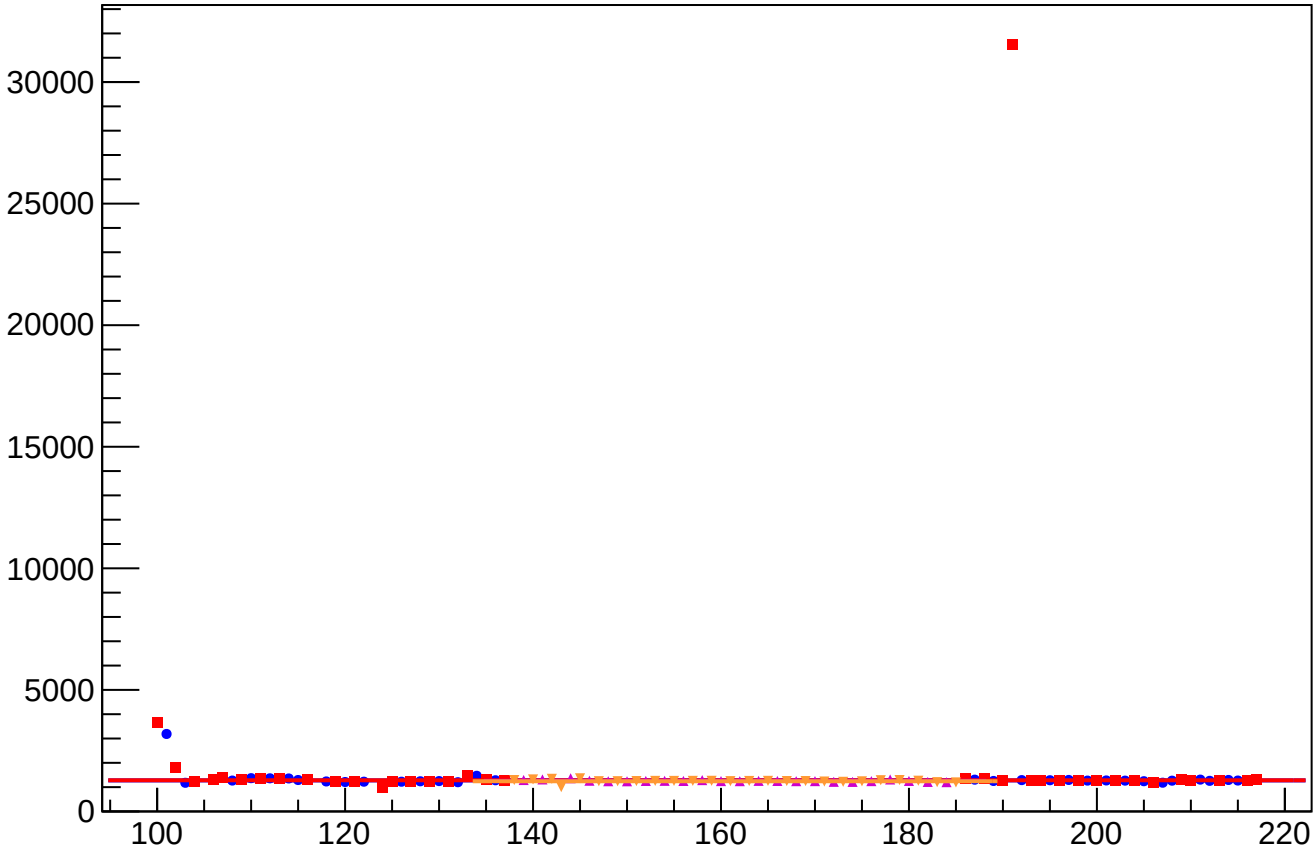
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

\+ sign -425.366+/-203.390 χ^2/NDF: 52.5/55

All: -166.287+/-144.463 χ^2/NDF: 119.0/114

\- sign 97.485+/-205.224 χ^2/NDF: 63.2/58

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

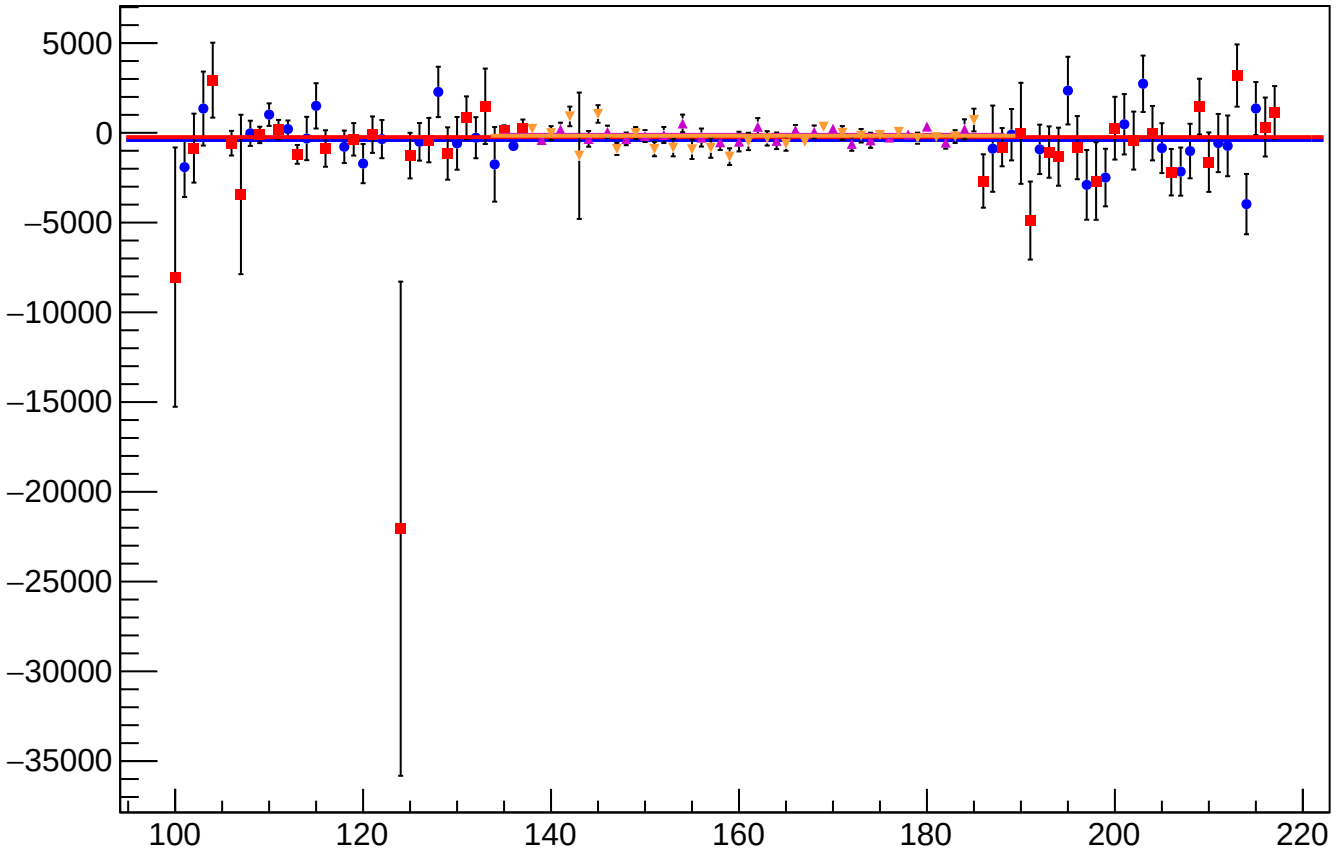
Right Out: 1282.328+/-0.202 χ^2/NDF: 388682.7/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.072+/-0.144 χ^2/NDF: 670965.4/55

All: 1265.240+/-0.102 χ^2/NDF: 1097155.8/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.0/58



Right In: -397.642+/-157.039 χ^2/NDF: 36.4/30

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

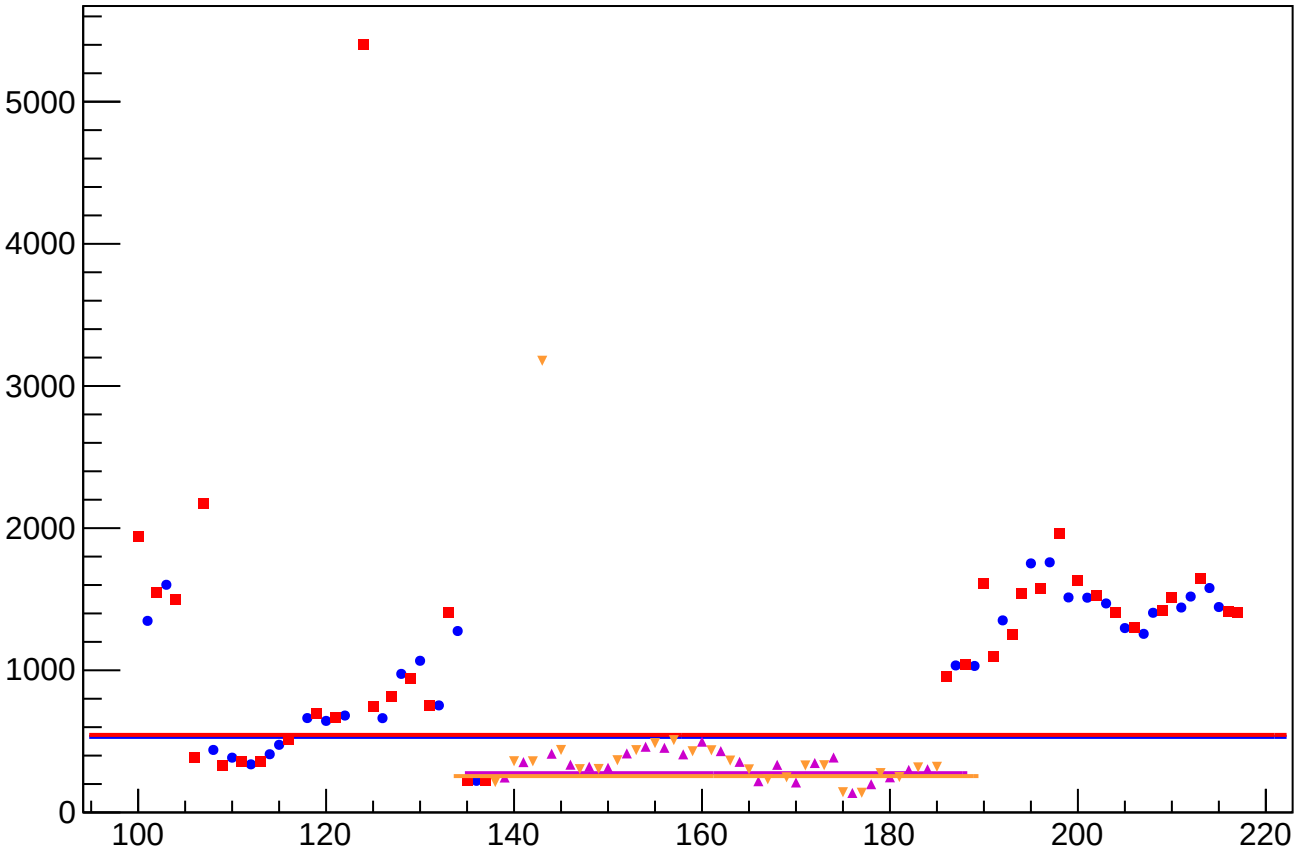
Right Out: -240.820+/-155.221 χ^2/NDF: 35.0/35

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -194.765+/-59.372 χ^2/NDF: 82.1/55

All: -166.437+/-43.185 χ^2/NDF: 136.4/114

- sign -134.612+/-62.929 χ^2/NDF: 53.8/58



Right In: 531.606+/-0.111 χ^2/NDF: 15407600.6/30

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

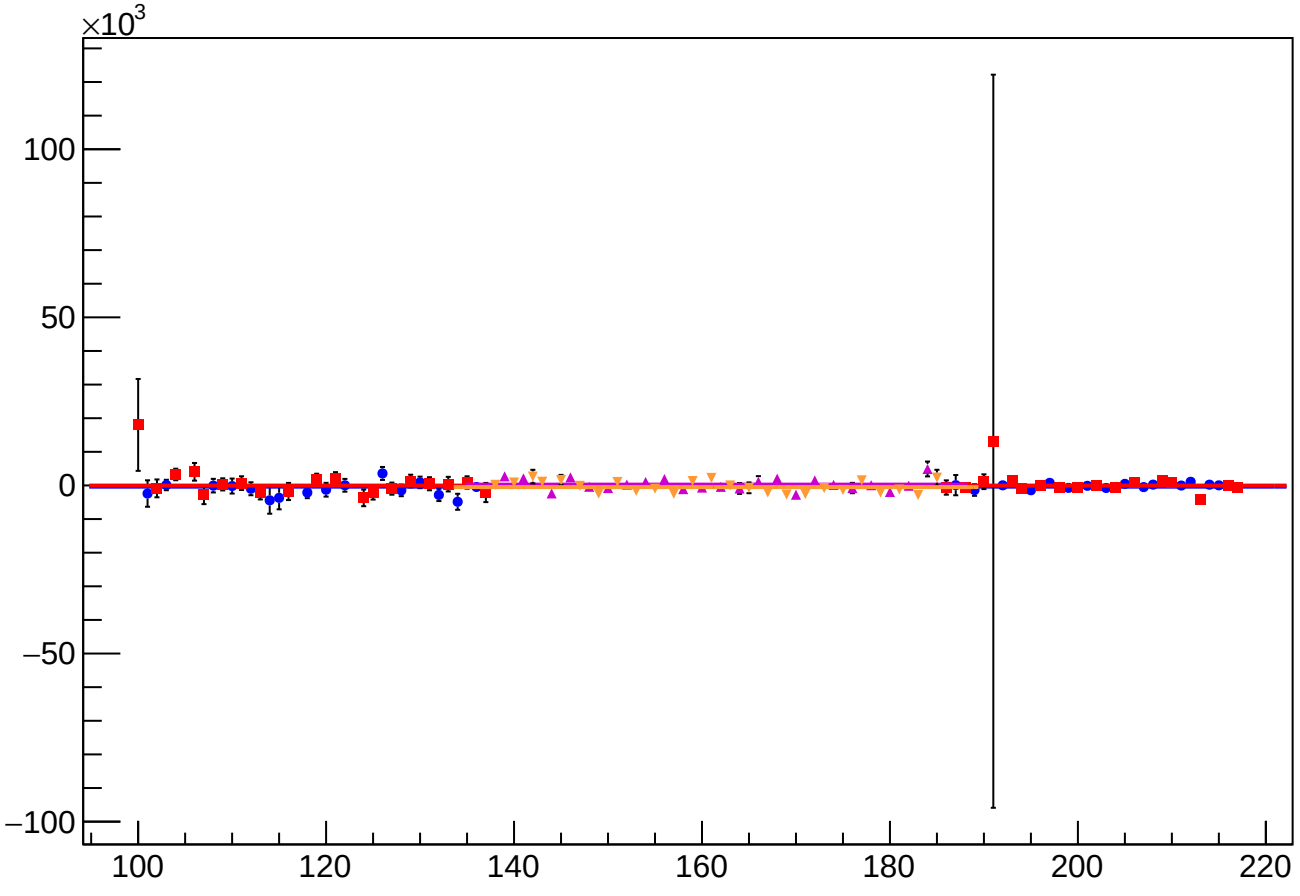
Right Out: 545.650+/-0.110 χ^2/NDF: 16355148.3/35

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 295.197+/-0.042 χ^2/NDF: 27070061.9/55

All: 307.146+/-0.031 χ^2/NDF: 52657179.7/11

- sign 320.570+/-0.044 χ^2/NDF: 25415095.5/58



Right In: -352.360+/-292.805 χ^2/NDF: 18.2/30

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -39.236+/-286.290 χ^2/NDF: 32.0/35

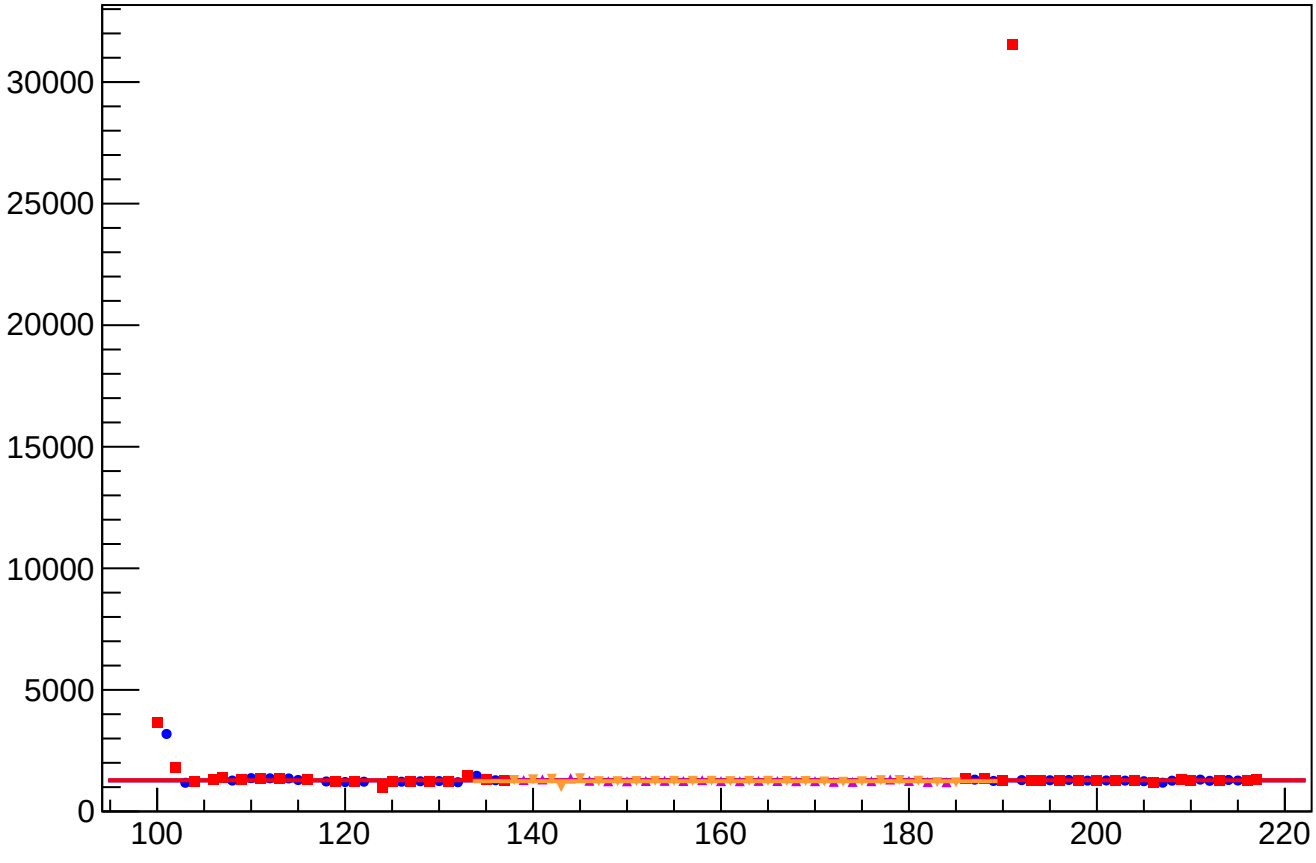
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -425.366+/-203.390 χ^2/NDF: 52.5/55

All: -166.287+/-144.463 χ^2/NDF: 119.0/114

- sign 97.486+/-205.224 χ^2/NDF: 63.2/58

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.803+/-0.207 χ^2/NDF: 526769.5/30

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

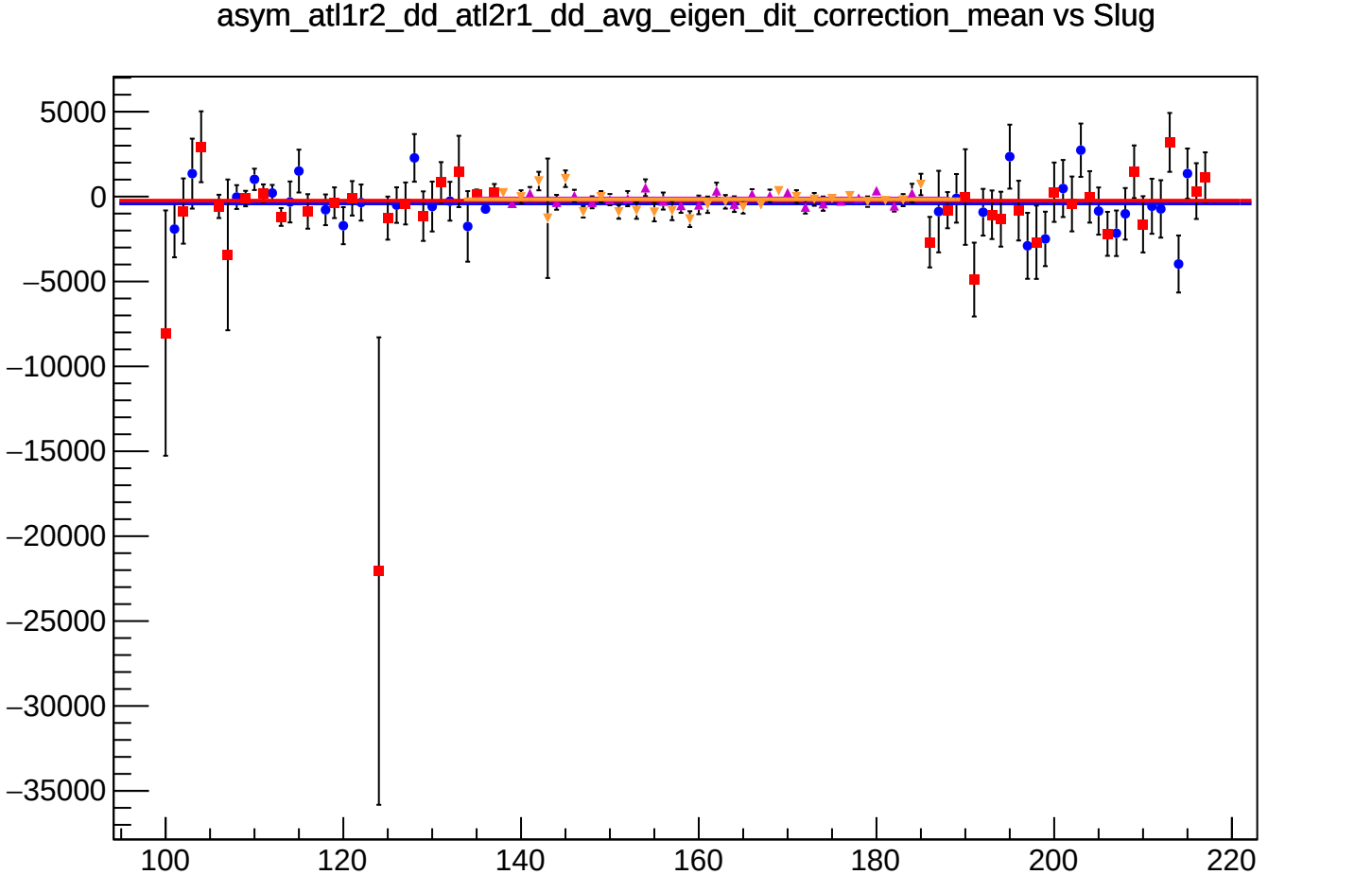
Right Out: 1282.327+/-0.202 χ^2/NDF: 388683.0/35

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.072+/-0.144 χ^2/NDF: 670964.5/55

All: 1265.240+/-0.102 χ^2/NDF: 1097155.3/11

- sign 1271.519+/-0.145 χ^2/NDF: 422479.4/58



Right In: -397.643+/-157.041 χ^2/NDF: 36.4/30

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

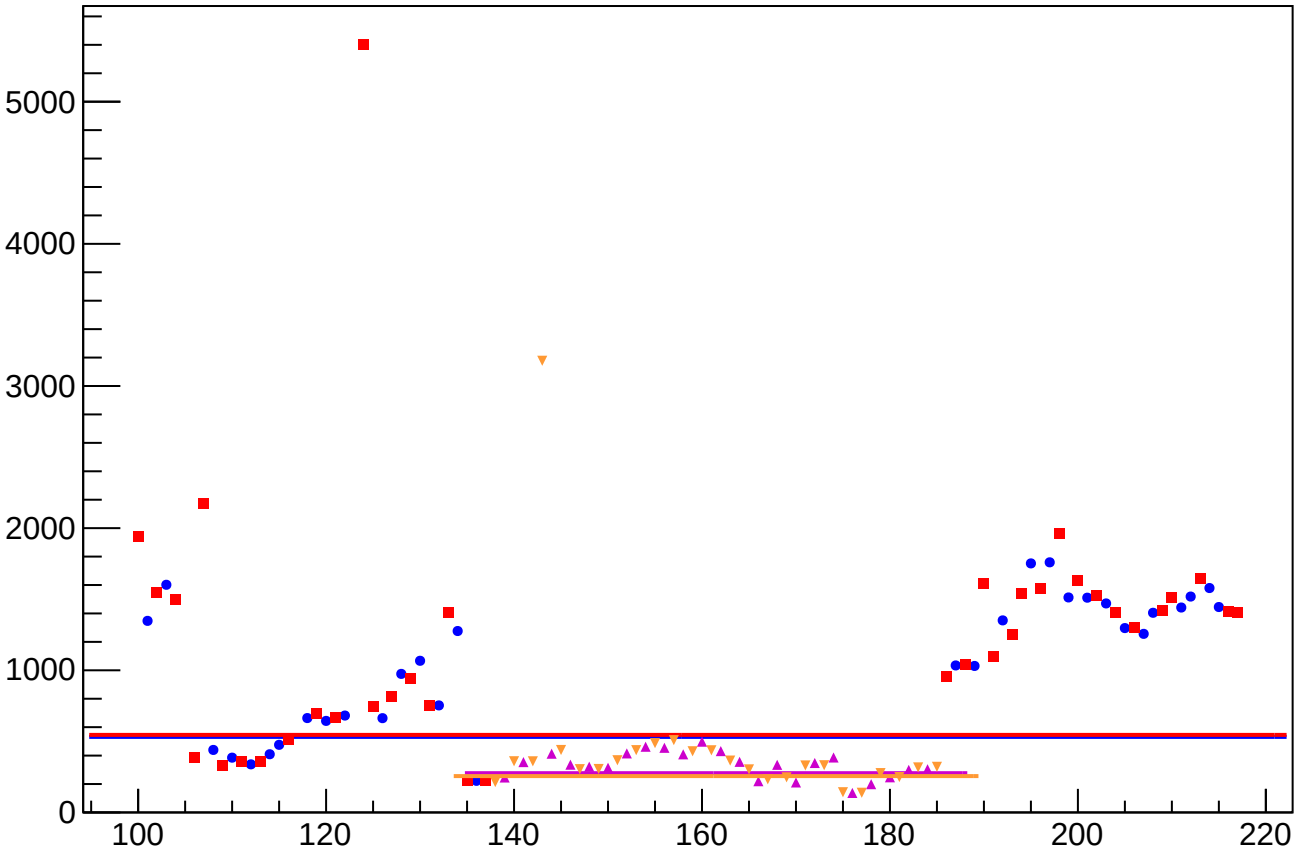
Right Out: -240.827+/-155.223 χ^2/NDF: 35.0/35

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -194.768+/-59.373 χ^2/NDF: 82.1/55

All: -166.438+/-43.186 χ^2/NDF: 136.4/114

- sign -134.611+/-62.930 χ^2/NDF: 53.8/58



Right In: 531.619+/-0.111 χ^2/NDF: 15407153.4/30

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 545.661+/-0.110 χ^2/NDF: 16354804.0/35

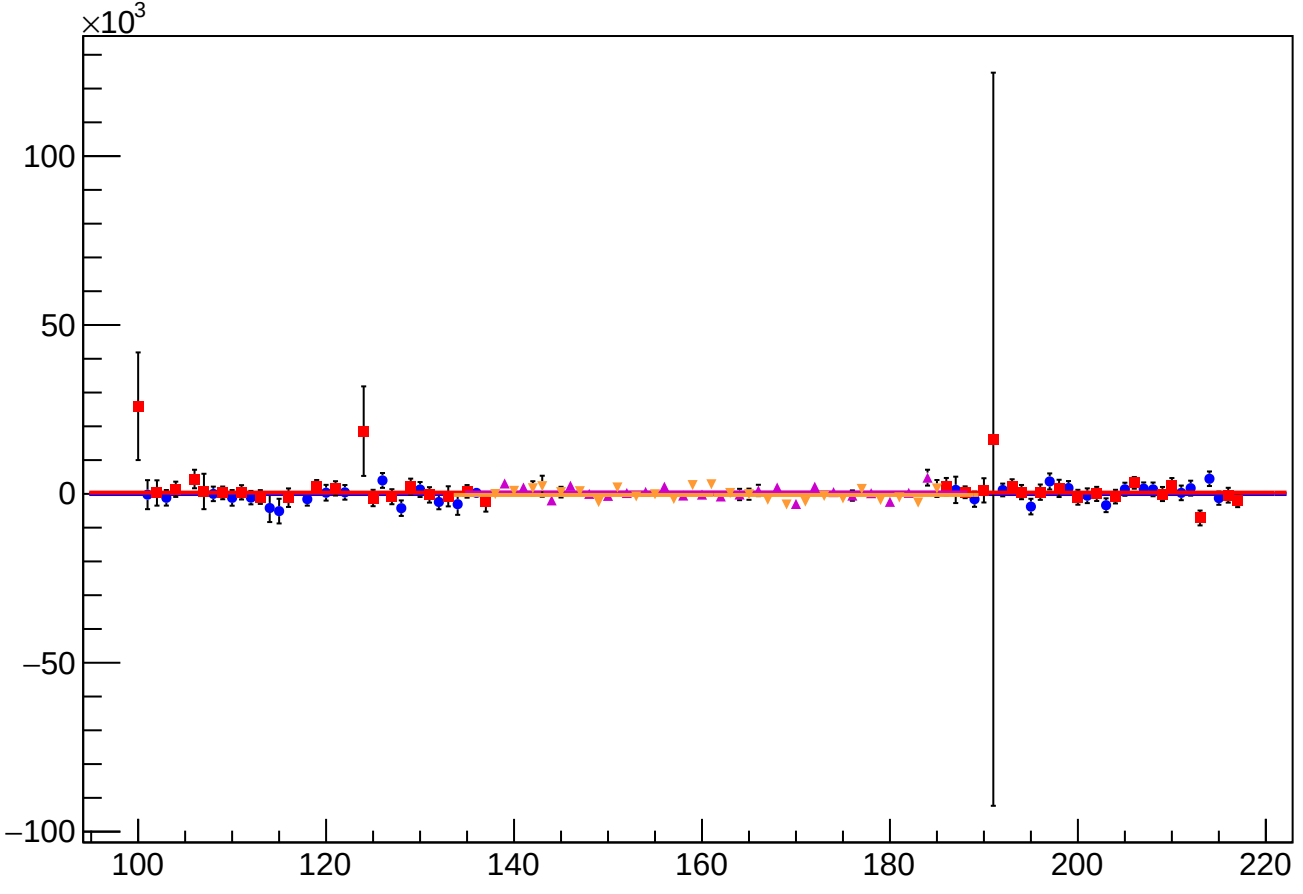
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 295.199+/-0.042 χ^2/NDF: 27069824.7/55

All: 307.148+/-0.031 χ^2/NDF: 52656807.6/11

- sign 320.571+/-0.044 χ^2/NDF: 25414974.5/58

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -46.625+/-394.422 χ^2/NDF: 30.2/30

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 376.597+/-389.381 χ^2/NDF: 30.7/35

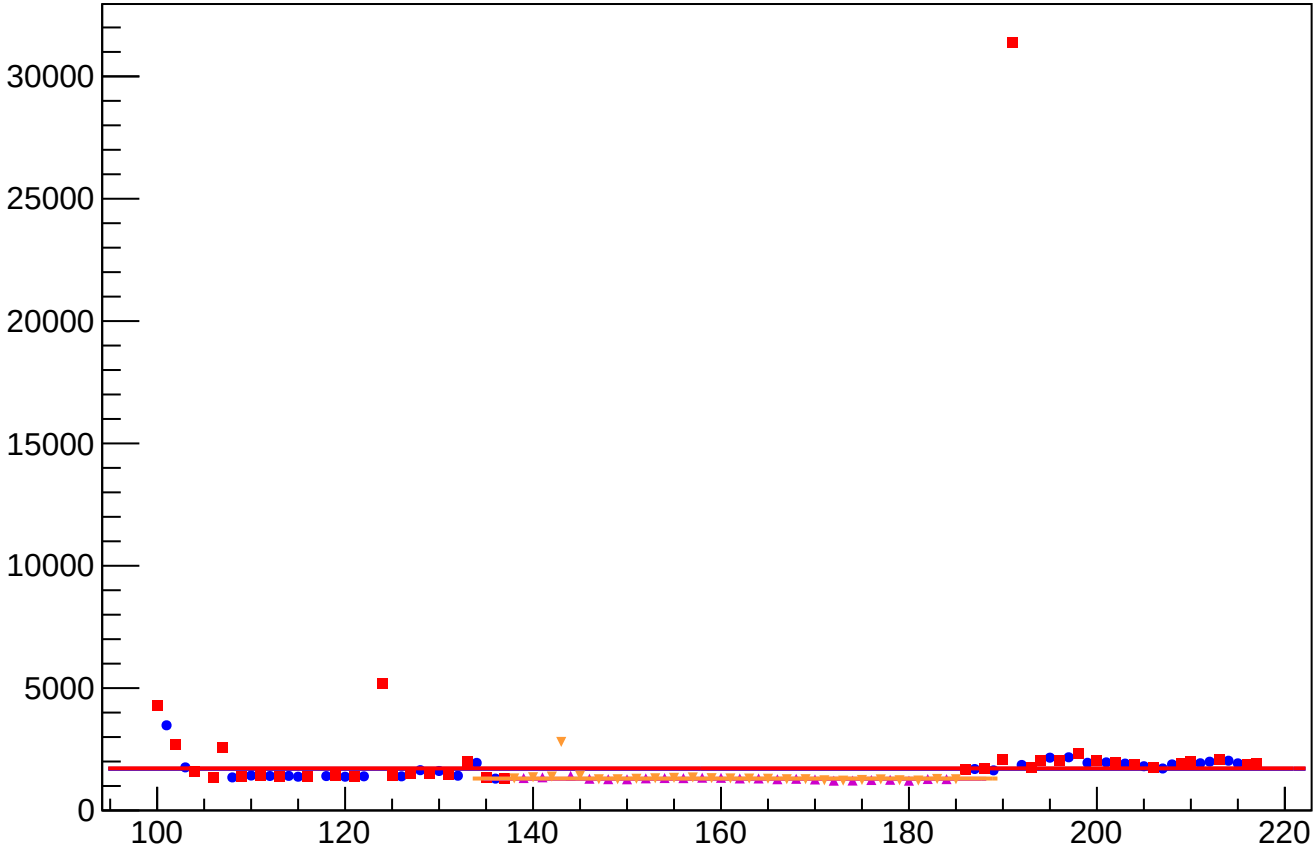
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -220.379+/-237.904 χ^2/NDF: 62.1/55

All: 70.958+/-168.465 χ^2/NDF: 125.5/114

- sign 363.975+/-238.589 χ^2/NDF: 60.4/58

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1701.208+/-0.279 χ^2/NDF: 1279971.3/30

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

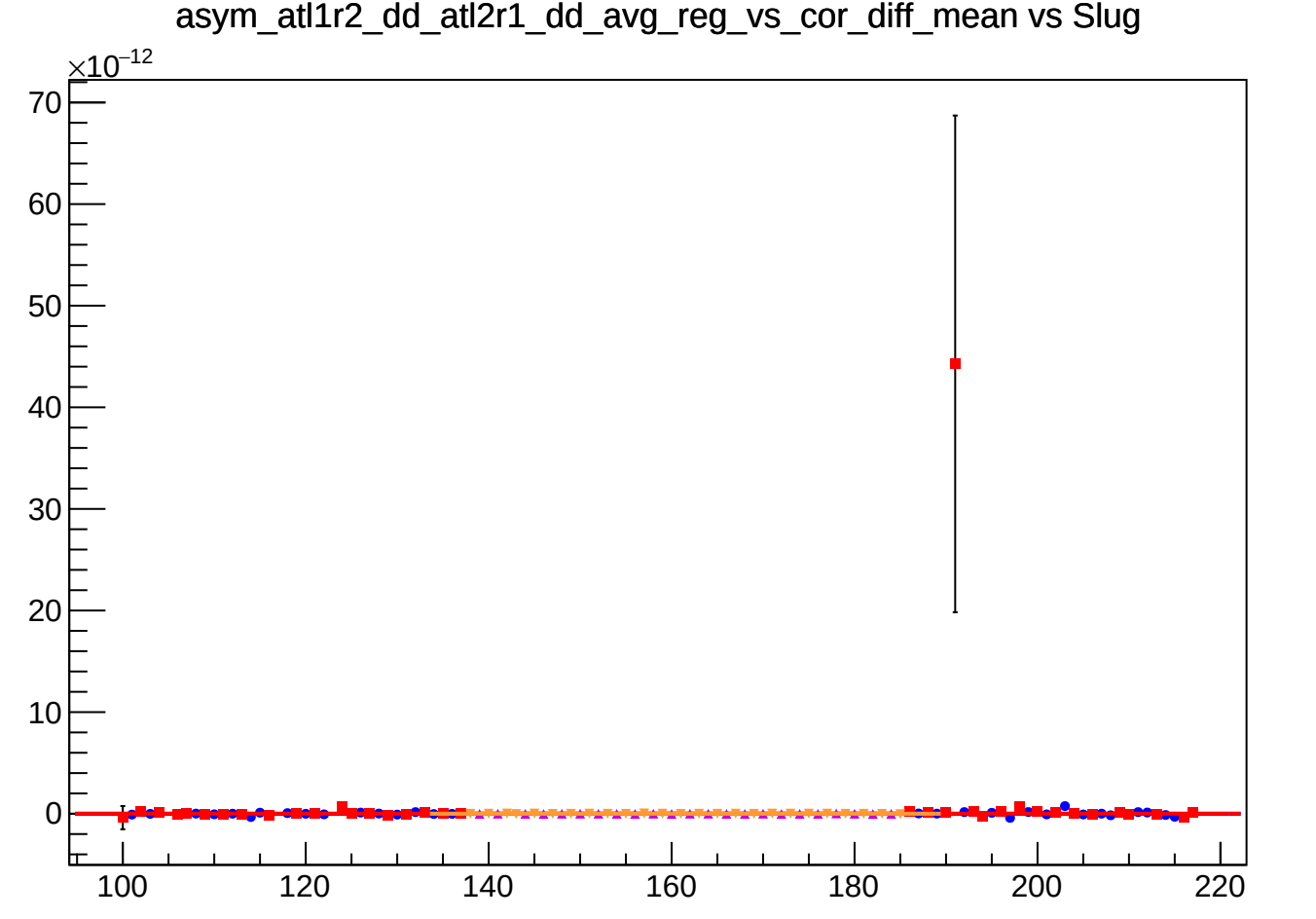
Right Out: 1720.339+/-0.275 χ^2/NDF: 1537129.1/35

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1448.610+/-0.168 χ^2/NDF: 3088973.2/55

All: 1450.747+/-0.119 χ^2/NDF: 6185462.2/11

- sign 1452.897+/-0.169 χ^2/NDF: 3096165.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

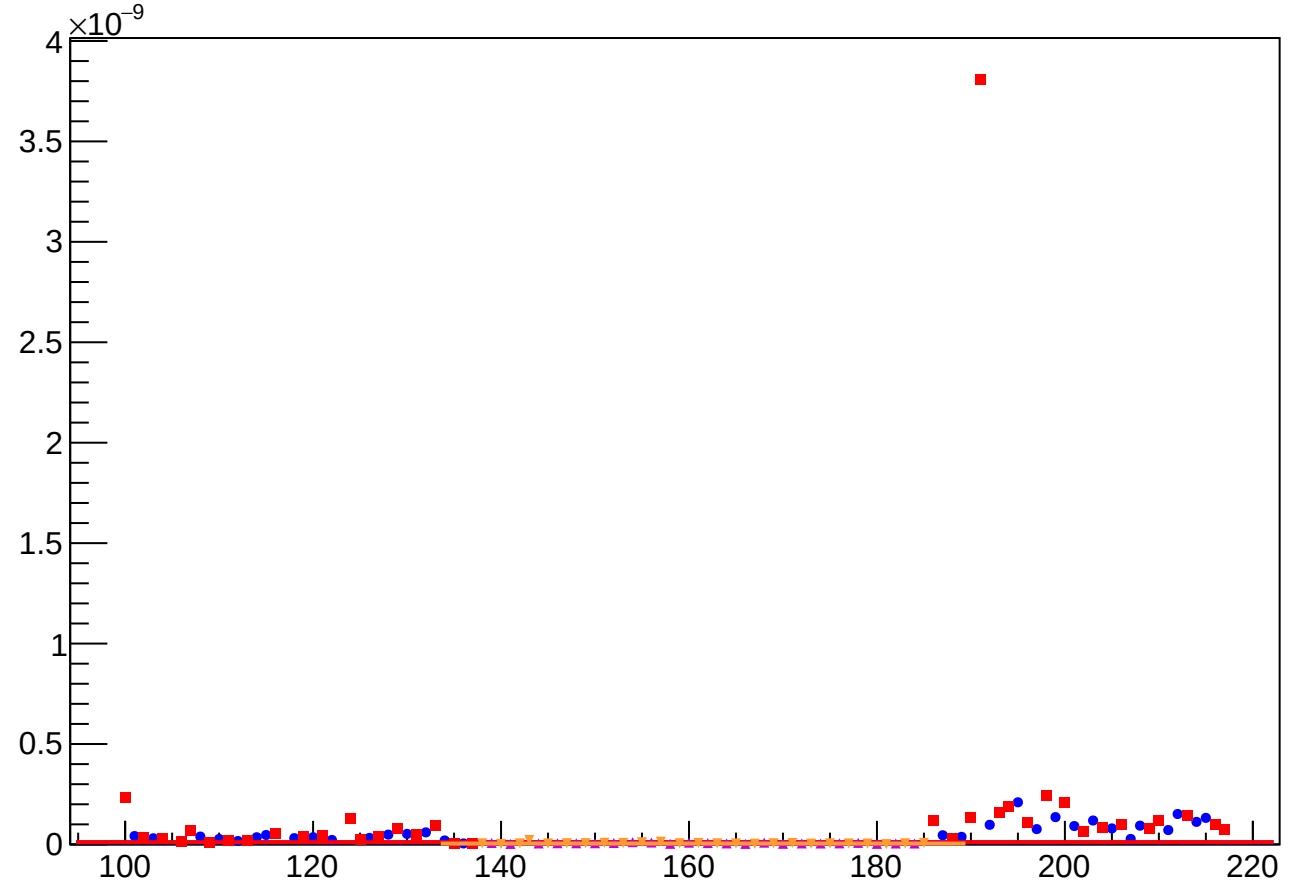
Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/35

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.2/55

All: 0.000+/-0.000 χ^2/NDF: 137.1/114

- sign 0.000+/-0.000 χ^2/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10219502.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

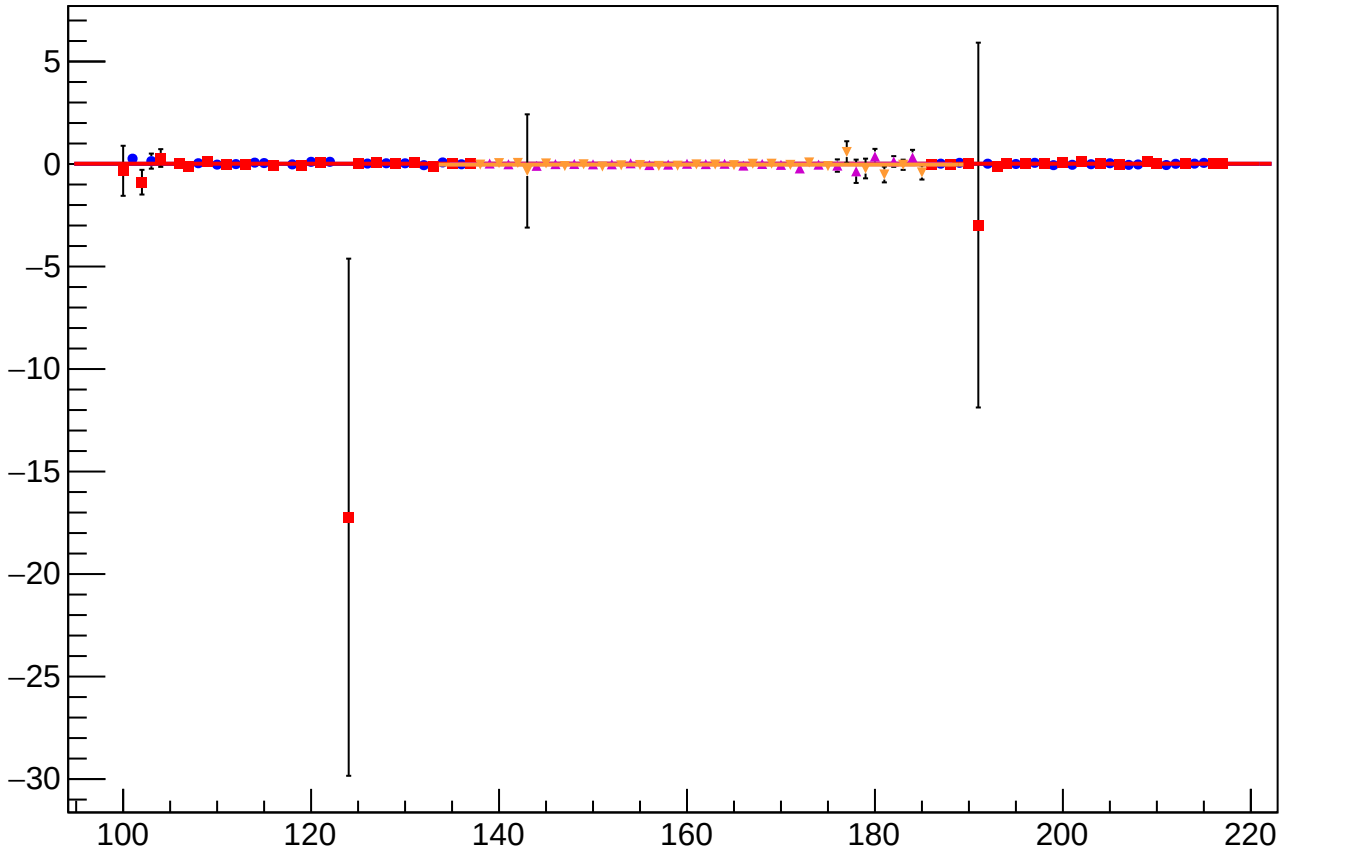
Right Out: 0.000+/-0.000 χ^2/NDF: 12261856.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14253003.6/55

All: 0.000+/-0.000 χ^2/NDF: 29753204.9/114

- sign 0.000+/-0.000 χ^2/NDF: 15473714.8/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

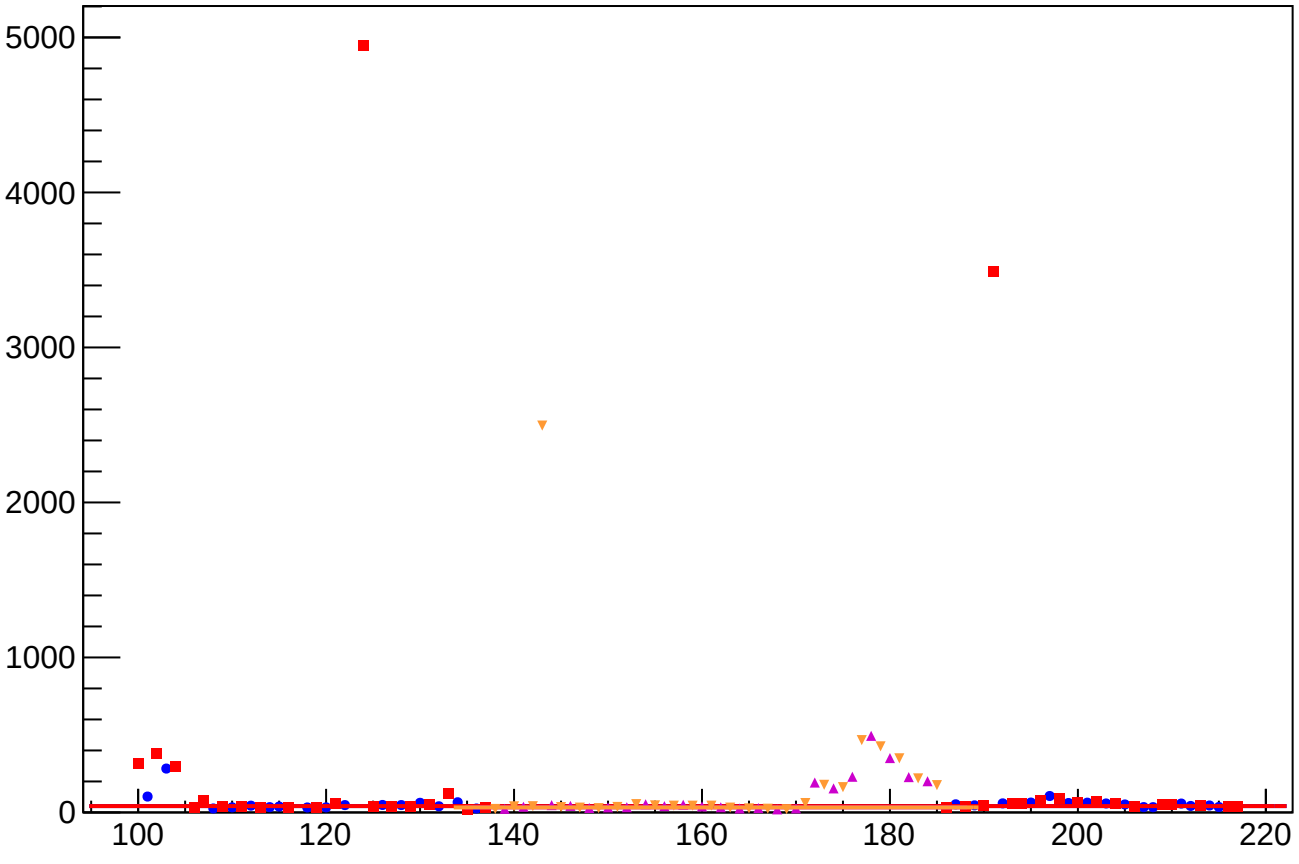
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

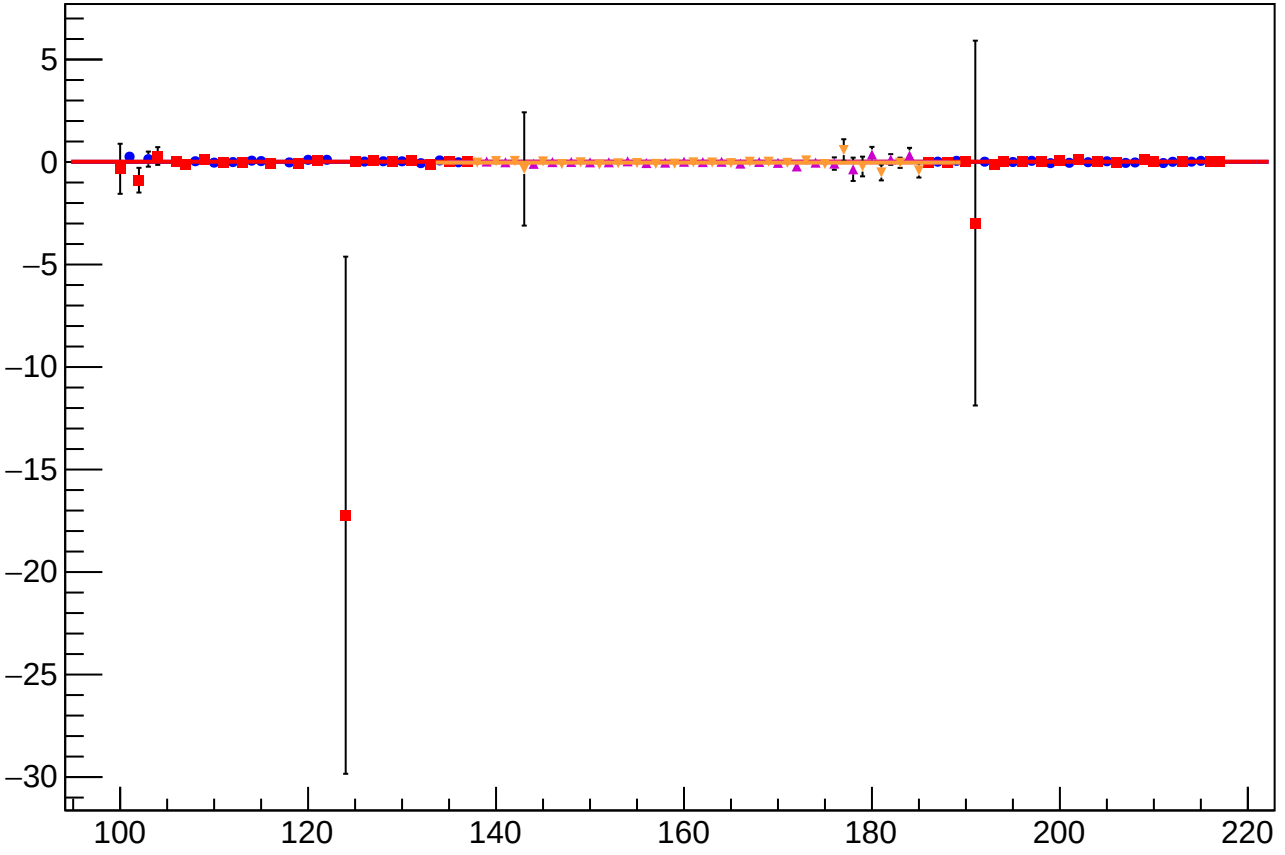
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922736.6/55

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

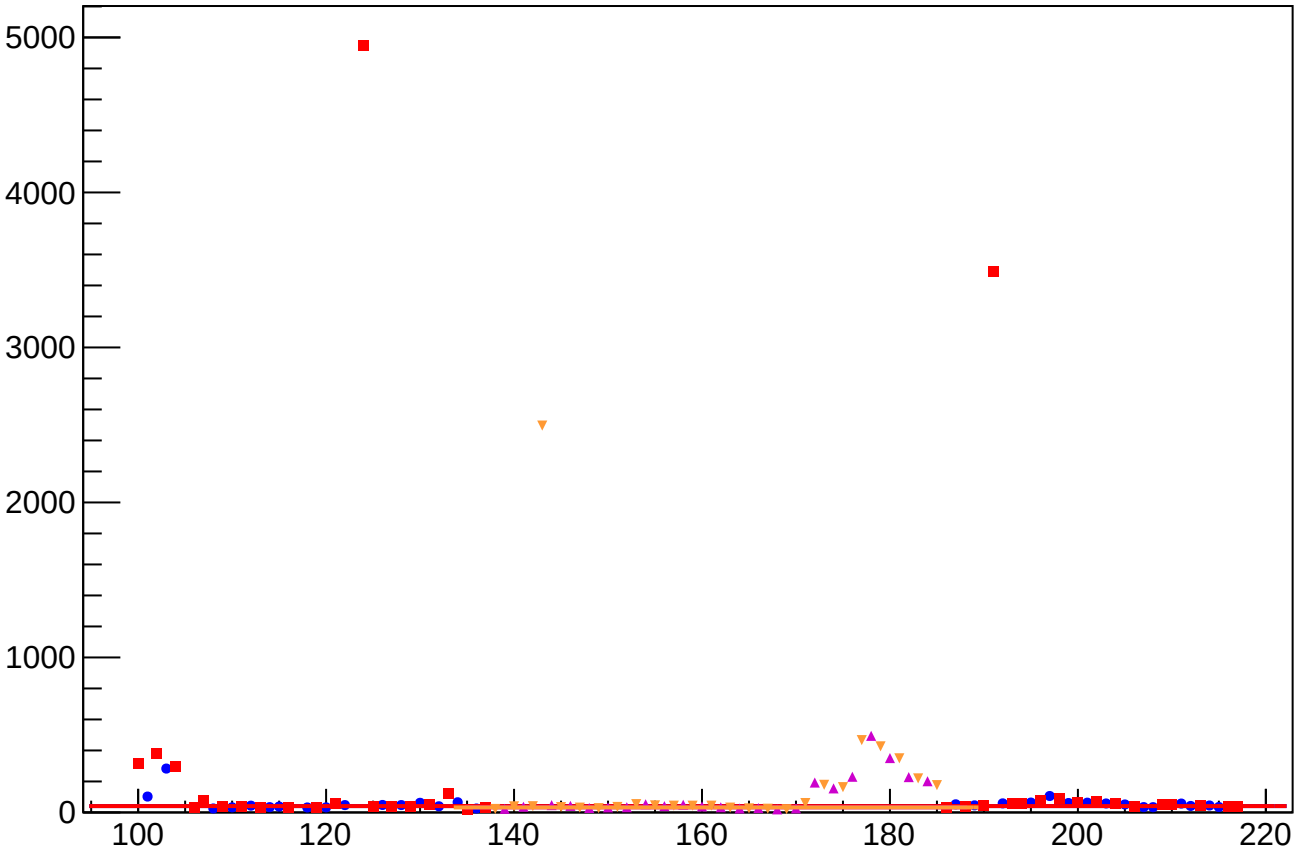
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4315118.2/30

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

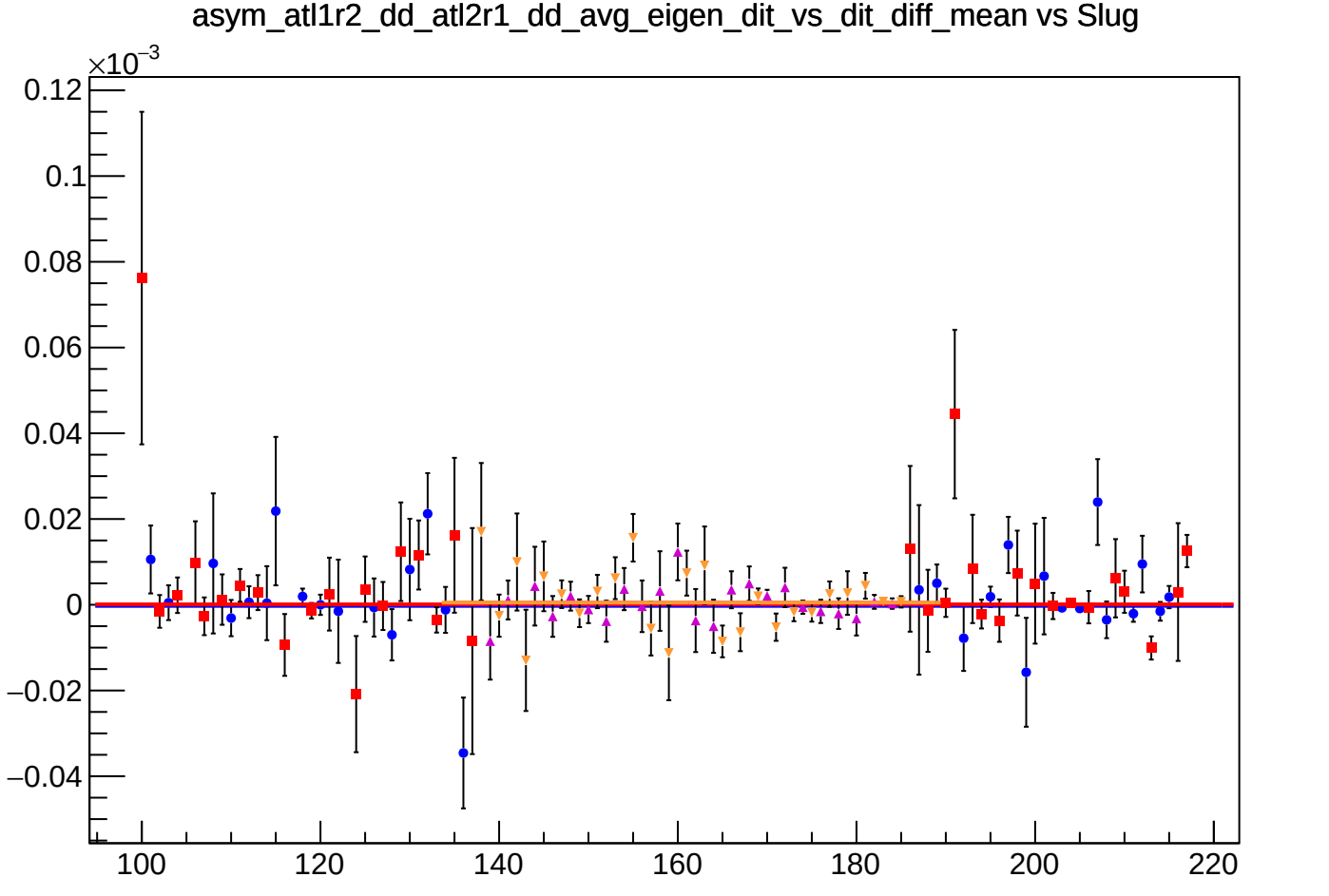
Right Out: 41.043+/-0.007 χ^2/NDF: 5538326.8/35

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922736.6/55

All: 36.451+/-0.004 χ^2/NDF: 31117885.0/114

- sign 36.505+/-0.005 χ^2/NDF: 15194911.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

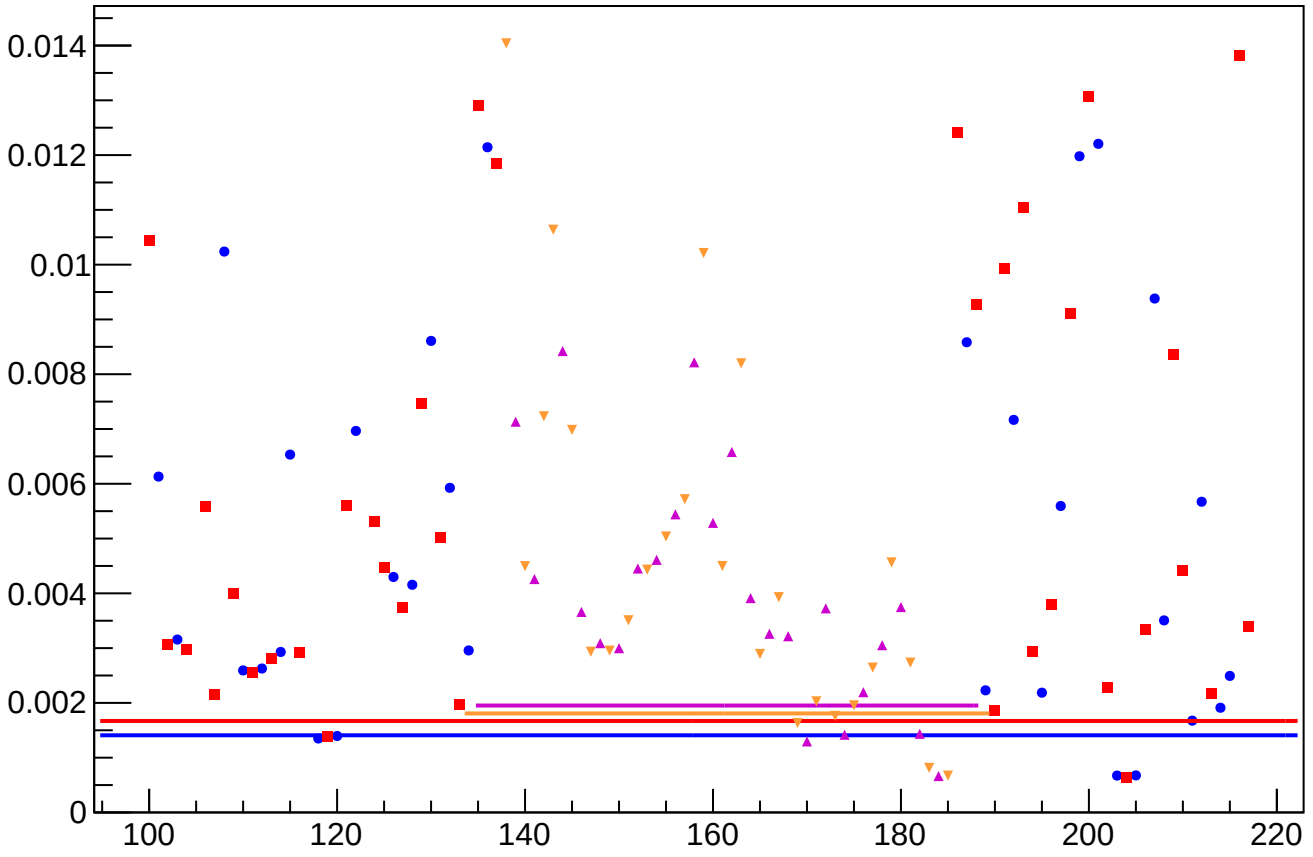
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.7/55

All: 0.000+/-0.000 χ^2/NDF: 143.7/114

- sign 0.000+/-0.000 χ^2/NDF: 65.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 17302056.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

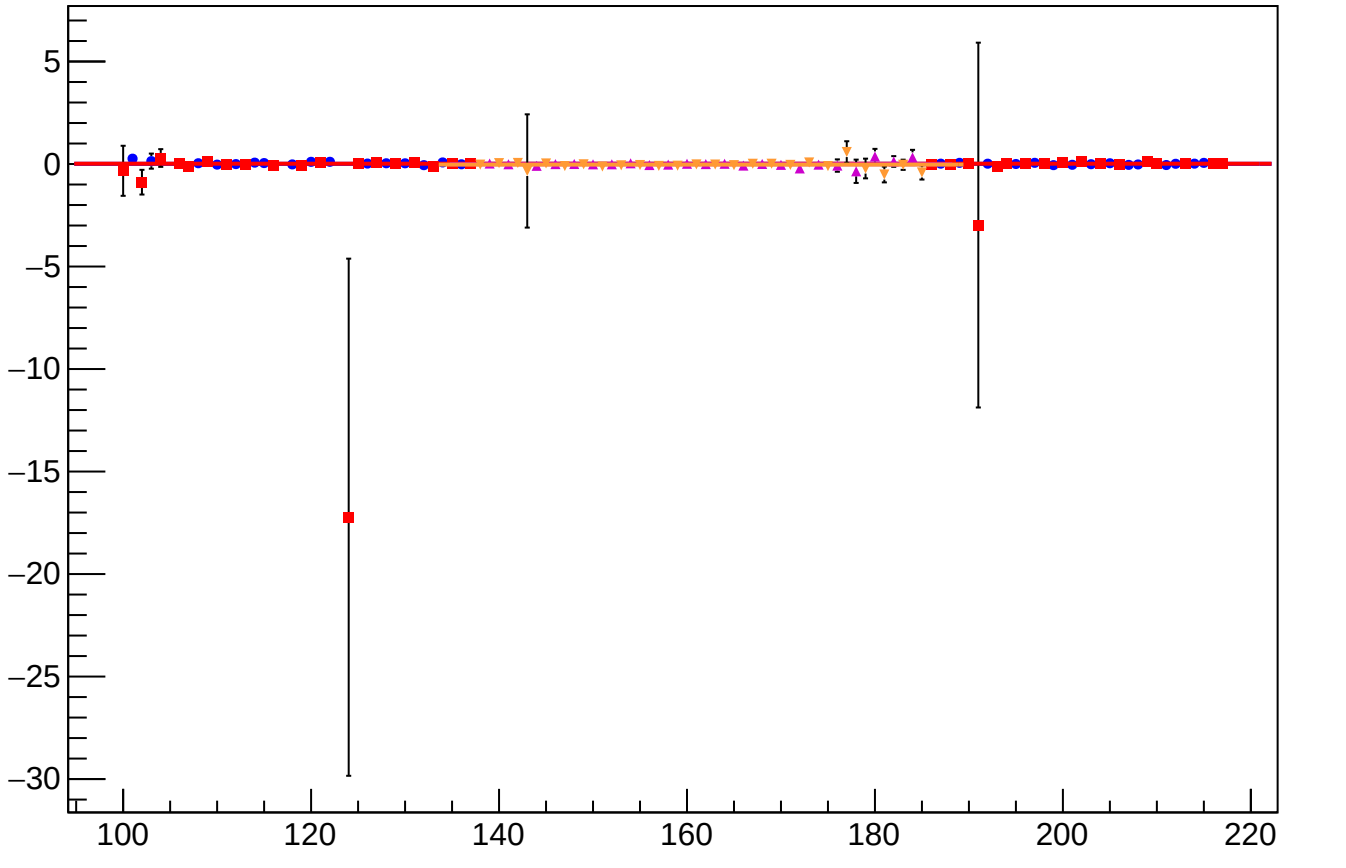
Right Out: 0.002+/-0.000 χ^2/NDF: 18856042.8/35

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 32851733.0/55

All: 0.002+/-0.000 χ^2/NDF: 63771833.6/114

- sign 0.002+/-0.000 χ^2/NDF: 30583031.0/58



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

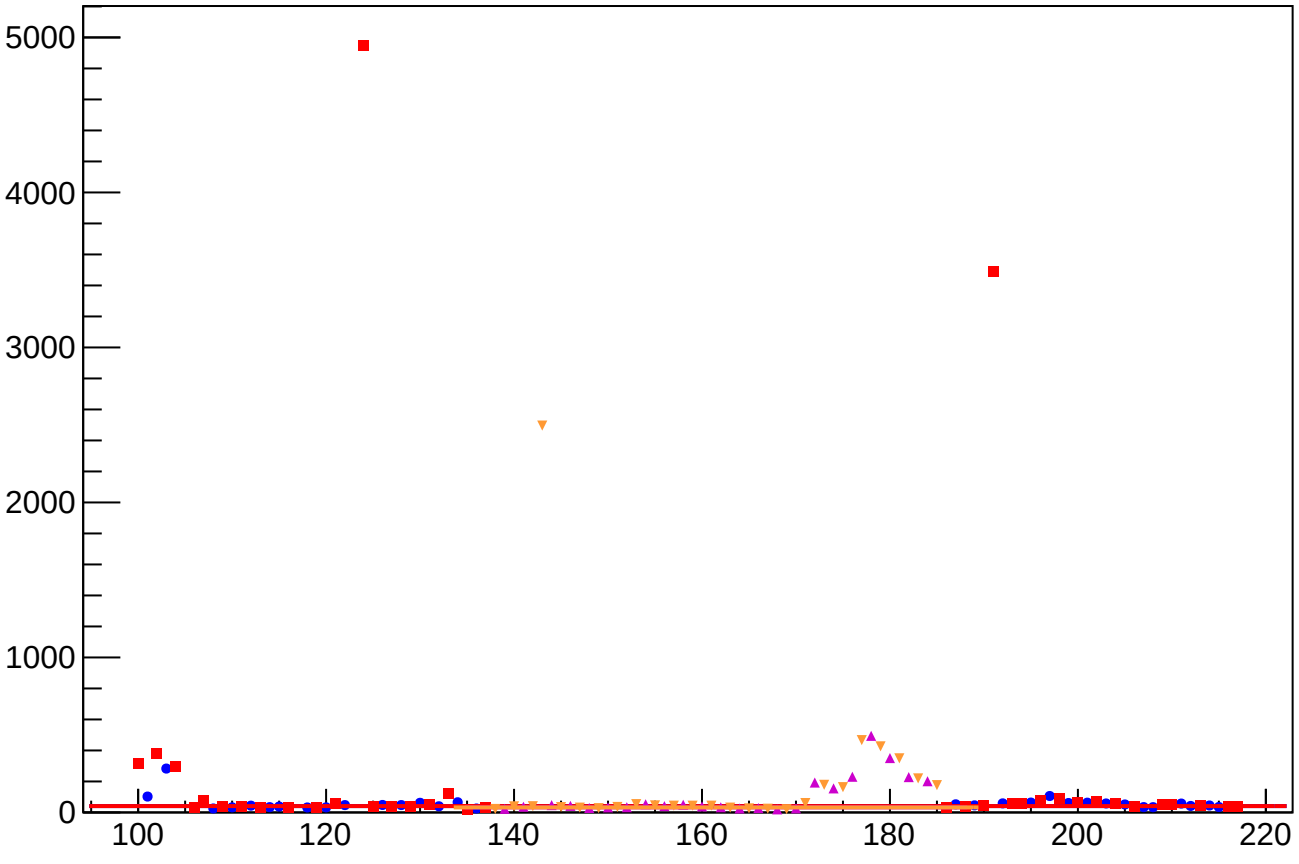
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

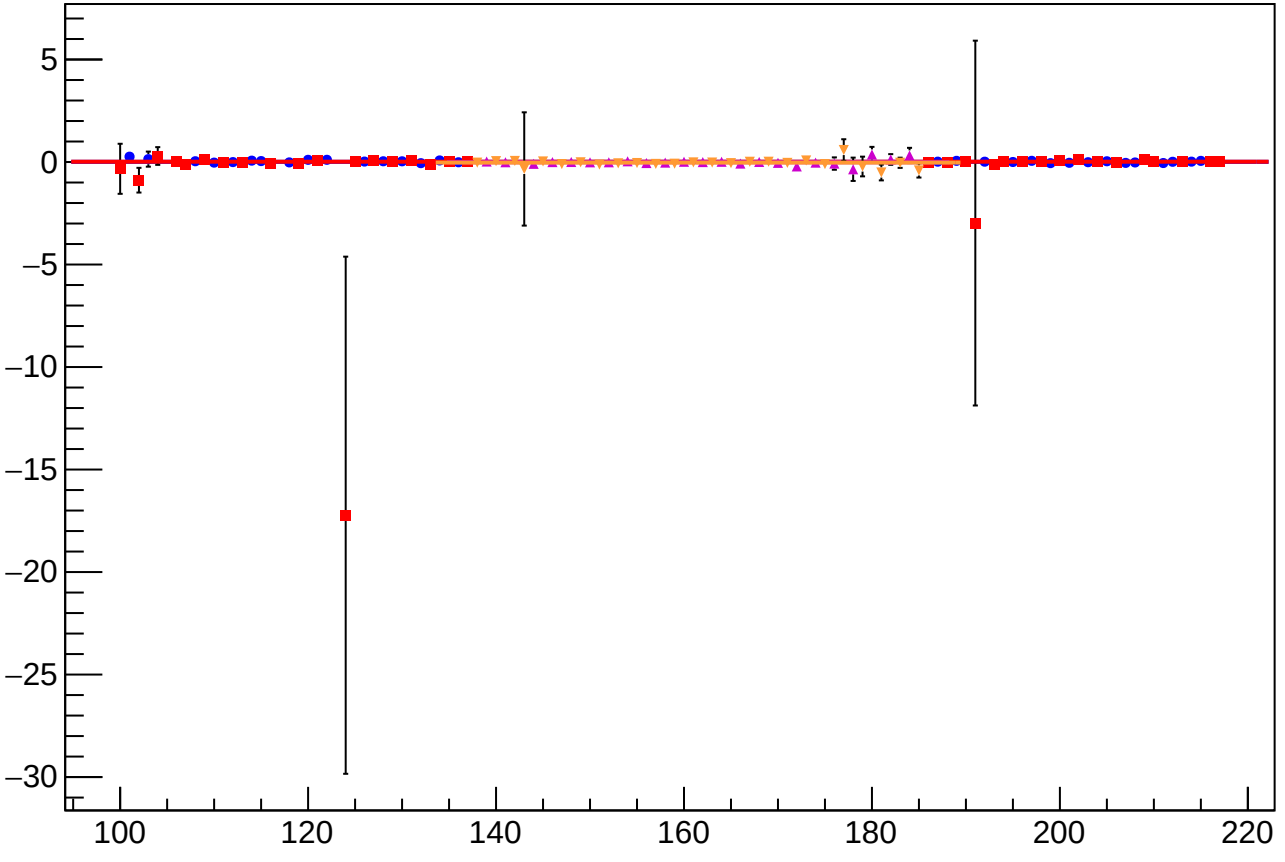
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922704.0/55

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 18.6/30

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

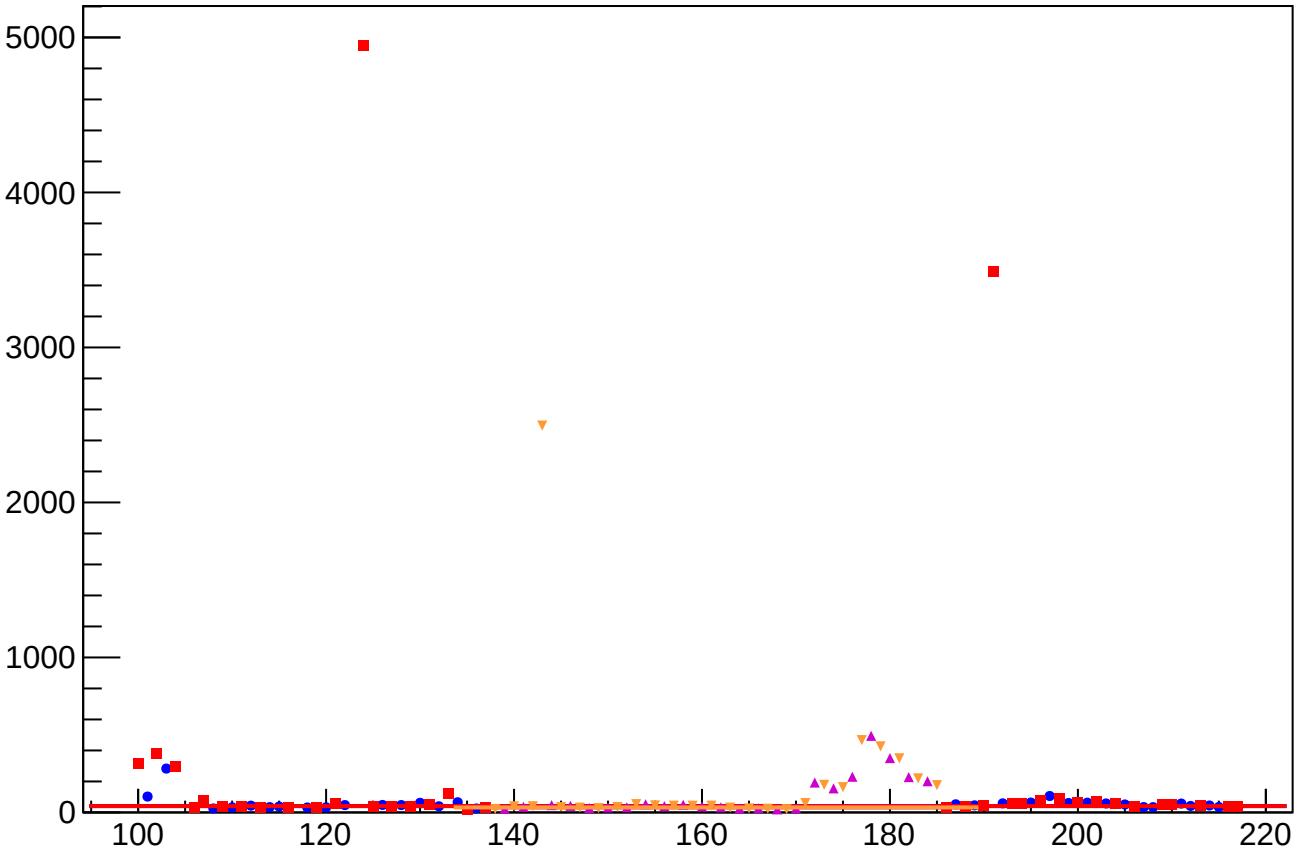
Right Out: 0.015+/-0.010 χ^2/NDF: 27.2/35

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.012+/-0.007 χ^2/NDF: 53.3/55

All: -0.005+/-0.005 χ^2/NDF: 98.7/114

- sign 0.001+/-0.007 χ^2/NDF: 43.8/58



Right In: 41.215+/-0.008 χ^2/NDF: 4314755.1/30

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

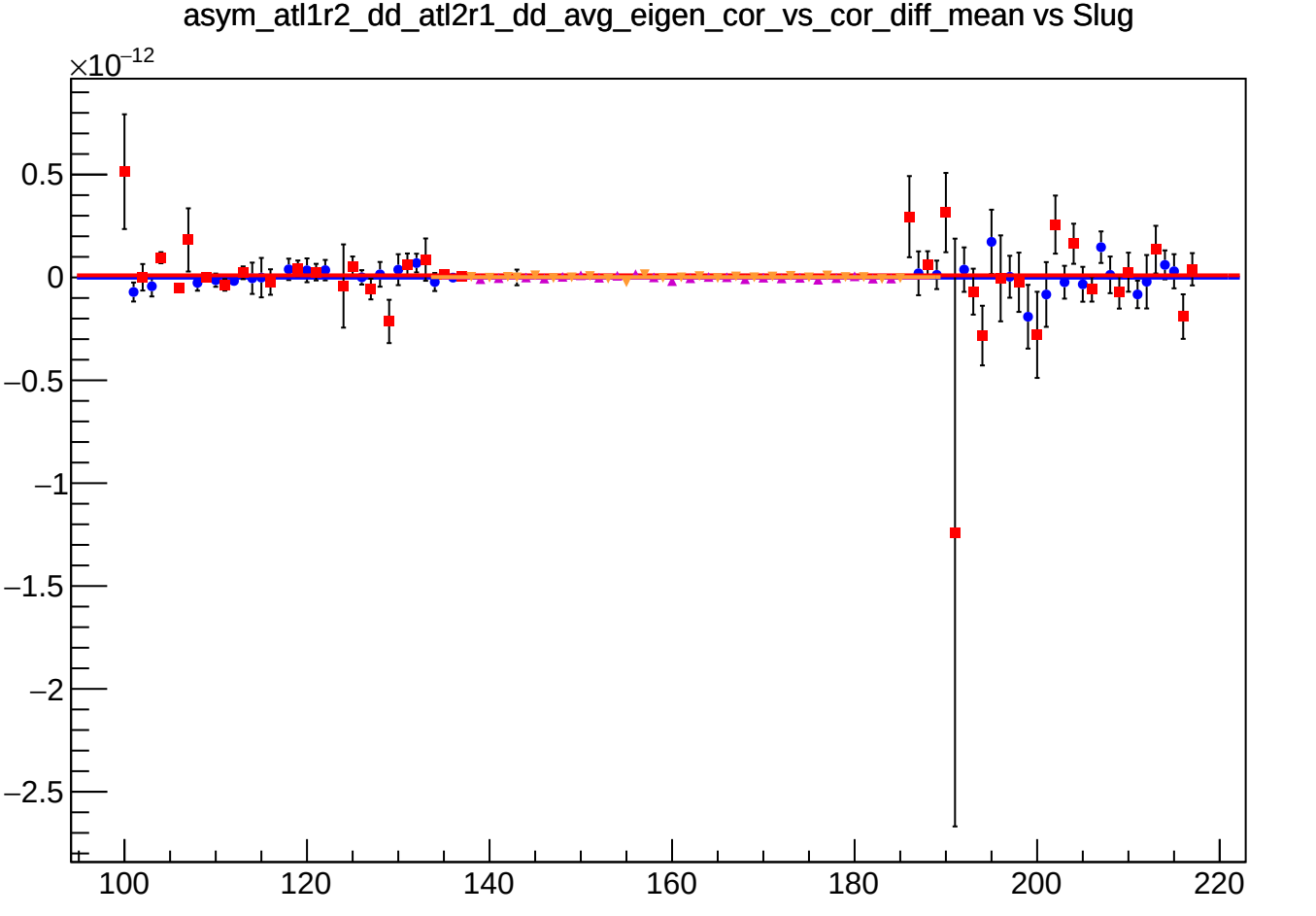
Right Out: 41.043+/-0.007 χ^2/NDF: 5538148.3/35

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.397+/-0.005 χ^2/NDF: 15922704.0/55

All: 36.451+/-0.004 χ^2/NDF: 31118515.3/114

- sign 36.504+/-0.005 χ^2/NDF: 15195578.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

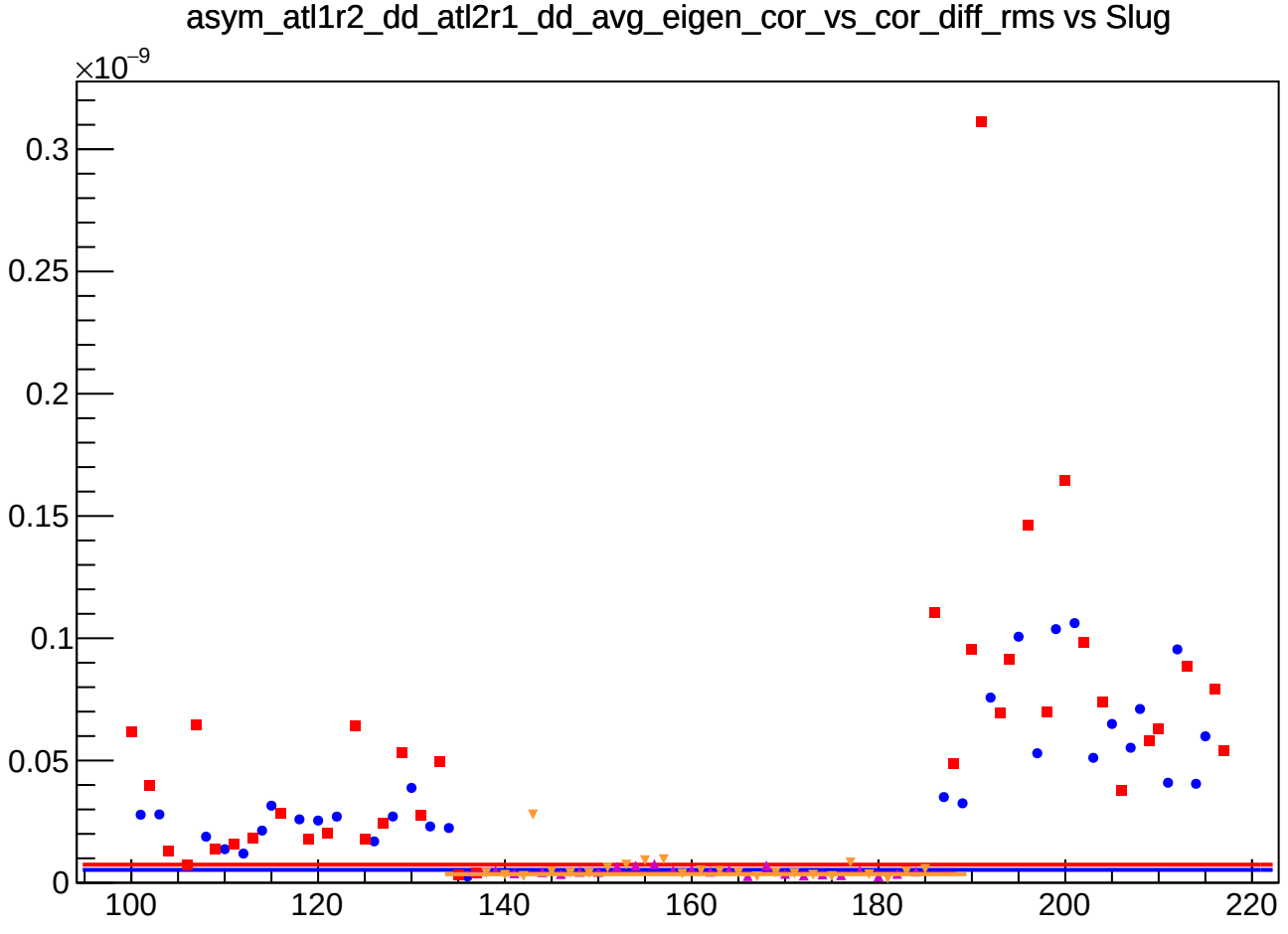
Right Out: 0.000+/-0.000 χ^2/NDF: 65.0/35

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

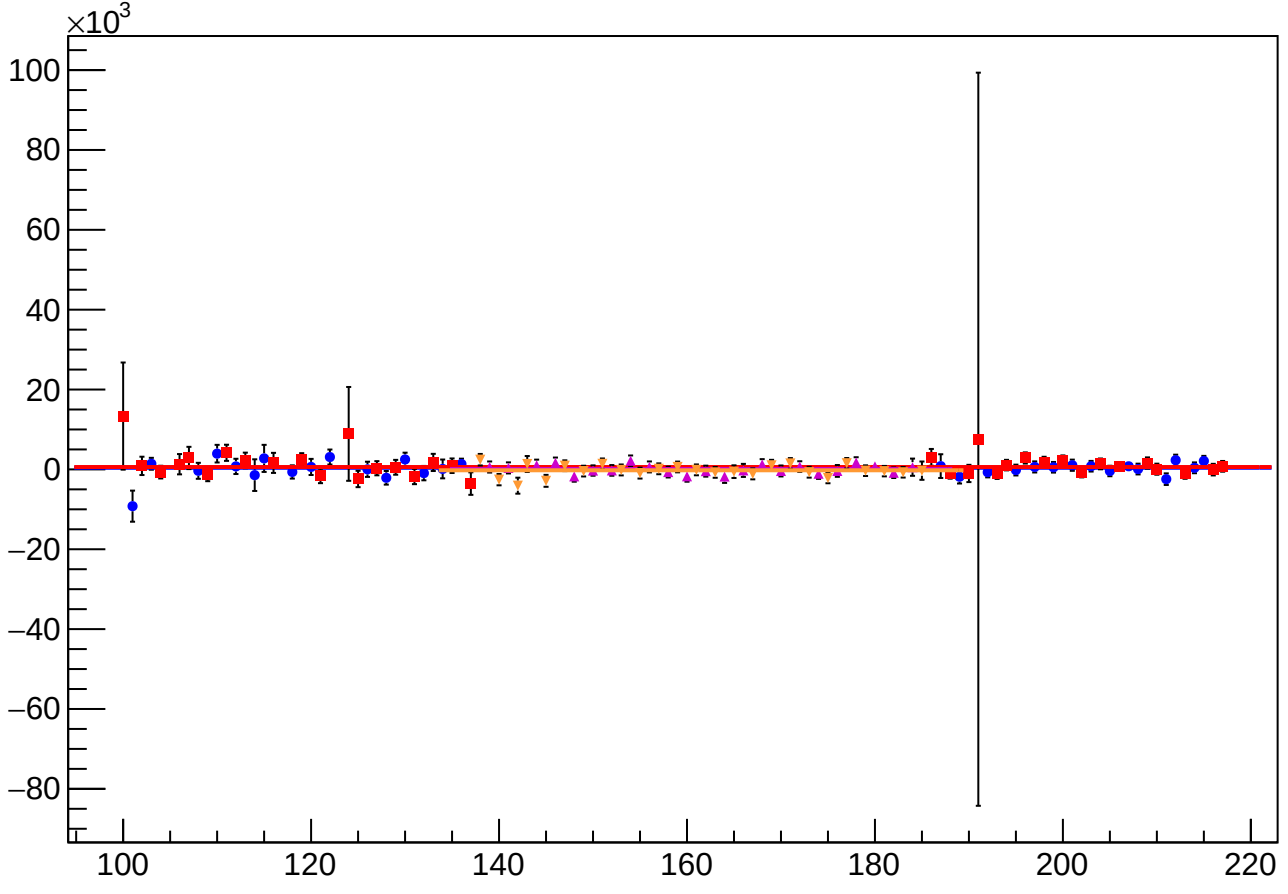
+ sign 0.000+/-0.000 χ^2/NDF: 36.8/55

All: 0.000+/-0.000 χ^2/NDF: 138.9/114

- sign -0.000+/-0.000 χ^2/NDF: 100.9/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 15898013.8/30
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 17002274.1/35
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
+ sign 0.000+/-0.000 χ²/NDF: 21090751.1/55
All: 0.000+/-0.000 χ²/NDF: 41752539.1/114
- sign 0.000+/-0.000 χ²/NDF: 20372114.2/58

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 411.603+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 592.089+/-283.572 χ^2/NDF: 29.7/35

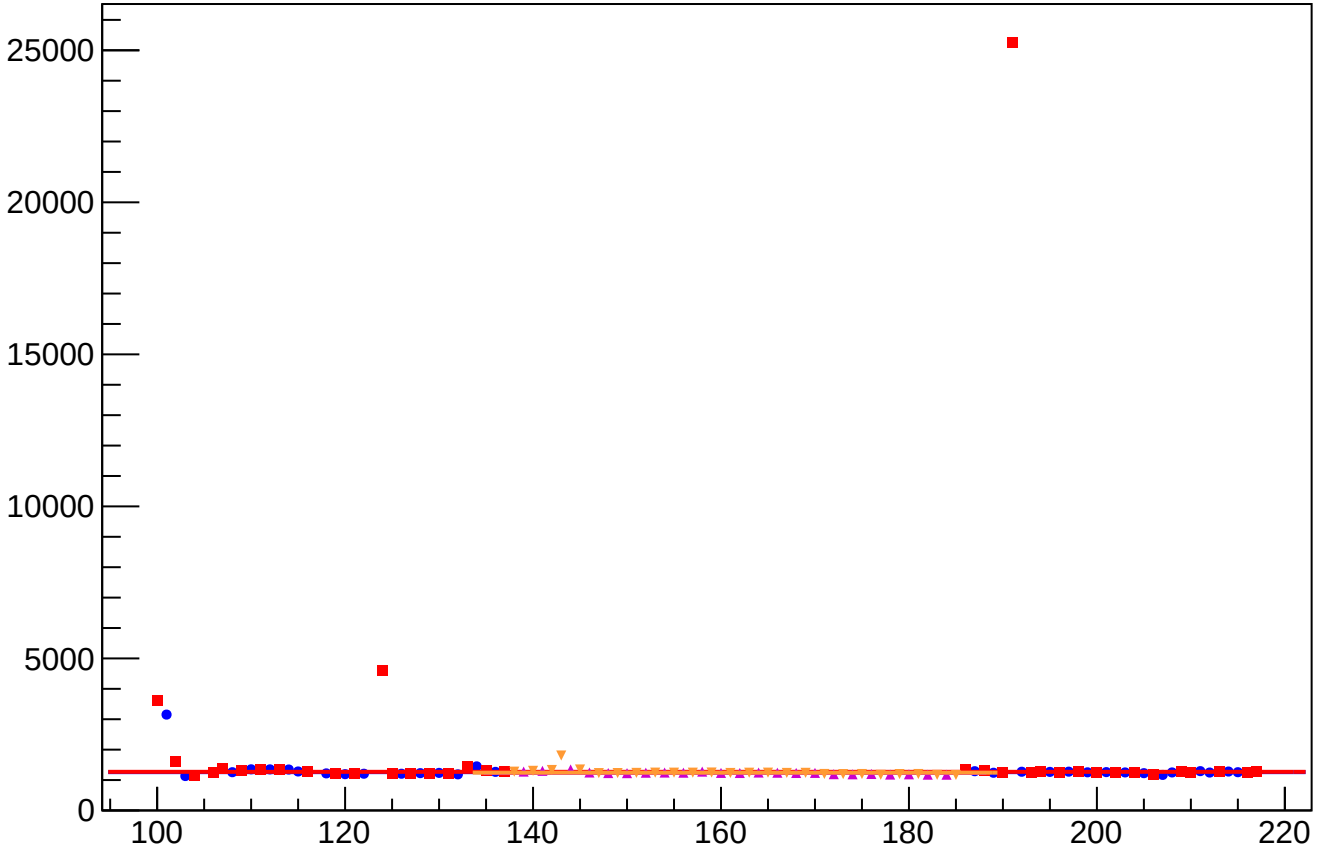
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 88.918+/-202.204 χ^2/NDF: 54.6/55

All: 217.653+/-142.957 χ^2/NDF: 101.3/114

- sign 346.304+/-202.138 χ^2/NDF: 46.0/58

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535655.7/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

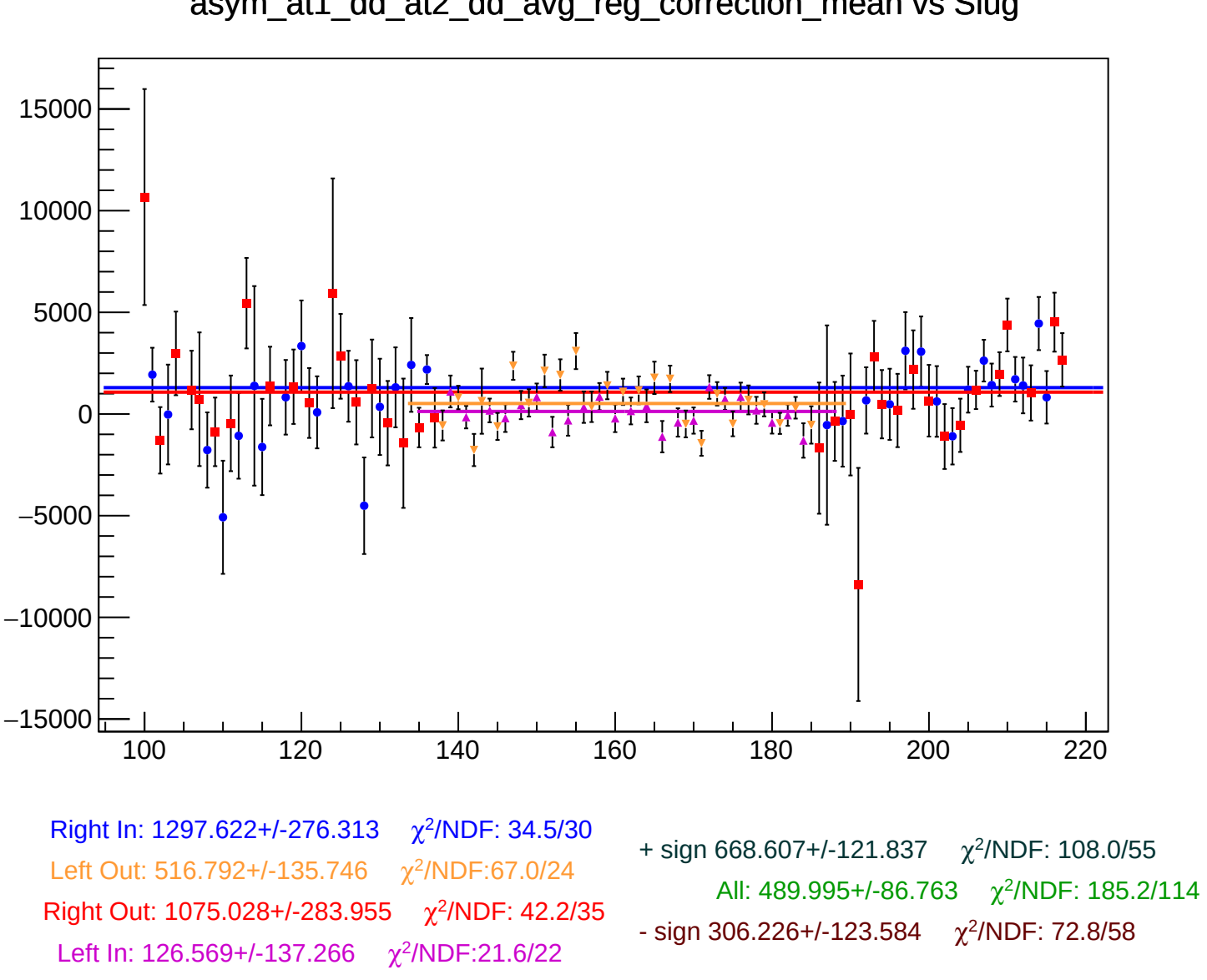
Right Out: 1270.301+/-0.201 χ^2/NDF: 487261.4/35

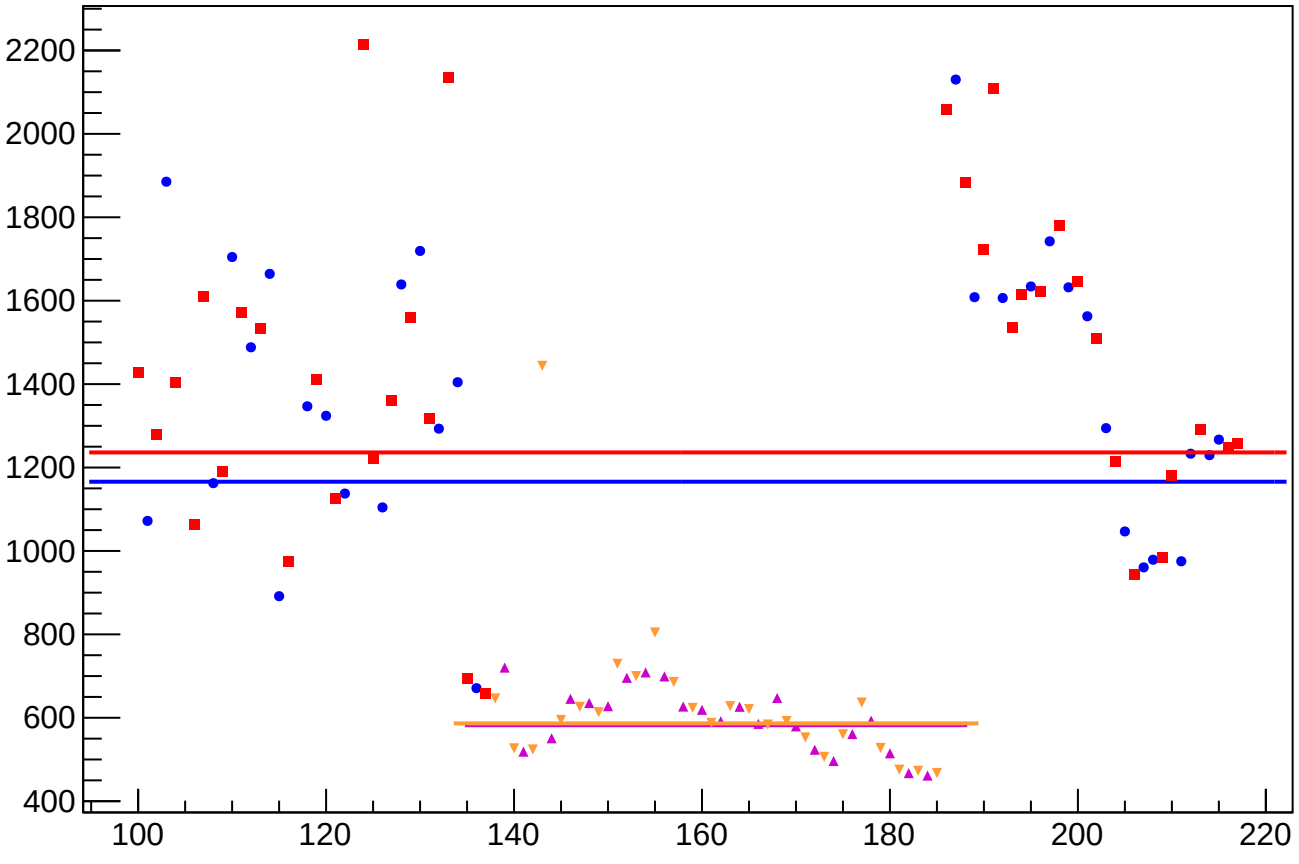
Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742527.4/55

All: 1251.760+/-0.101 χ^2/NDF: 1285443.7/11

- sign 1252.324+/-0.143 χ^2/NDF: 542885.2/58


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 1297.622+/-276.313 χ²/NDF: 34.5/30
Left Out: 516.792+/-135.746 χ²/NDF:67.0/24
Right Out: 1075.028+/-283.955 χ²/NDF: 42.2/35
Left In: 126.569+/-137.266 χ²/NDF:21.6/22
+ sign 668.607+/-121.837 χ²/NDF: 108.0/55
All: 489.995+/-86.763 χ²/NDF: 185.2/114
- sign 306.226+/-123.584 χ²/NDF: 72.8/58



Right In: 1165.972+/-0.195 χ^2/NDF: 2707490.2/30

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1236.212+/-0.201 χ^2/NDF: 2738450.0/35

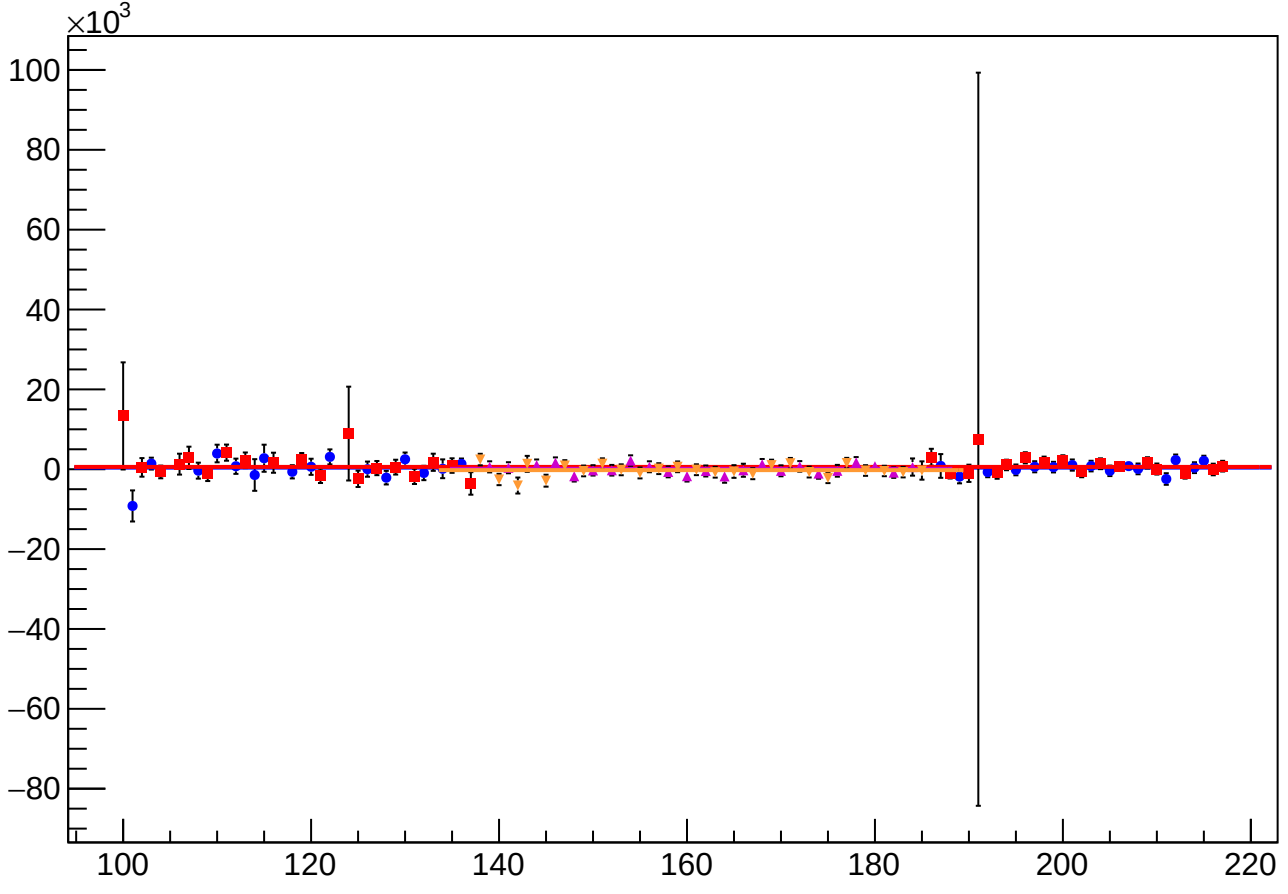
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 699.211+/-0.086 χ^2/NDF: 10994949.0/55

All: 702.594+/-0.061 χ^2/NDF: 22896070.3/11

- sign 706.075+/-0.087 χ^2/NDF: 11897992.8/58

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

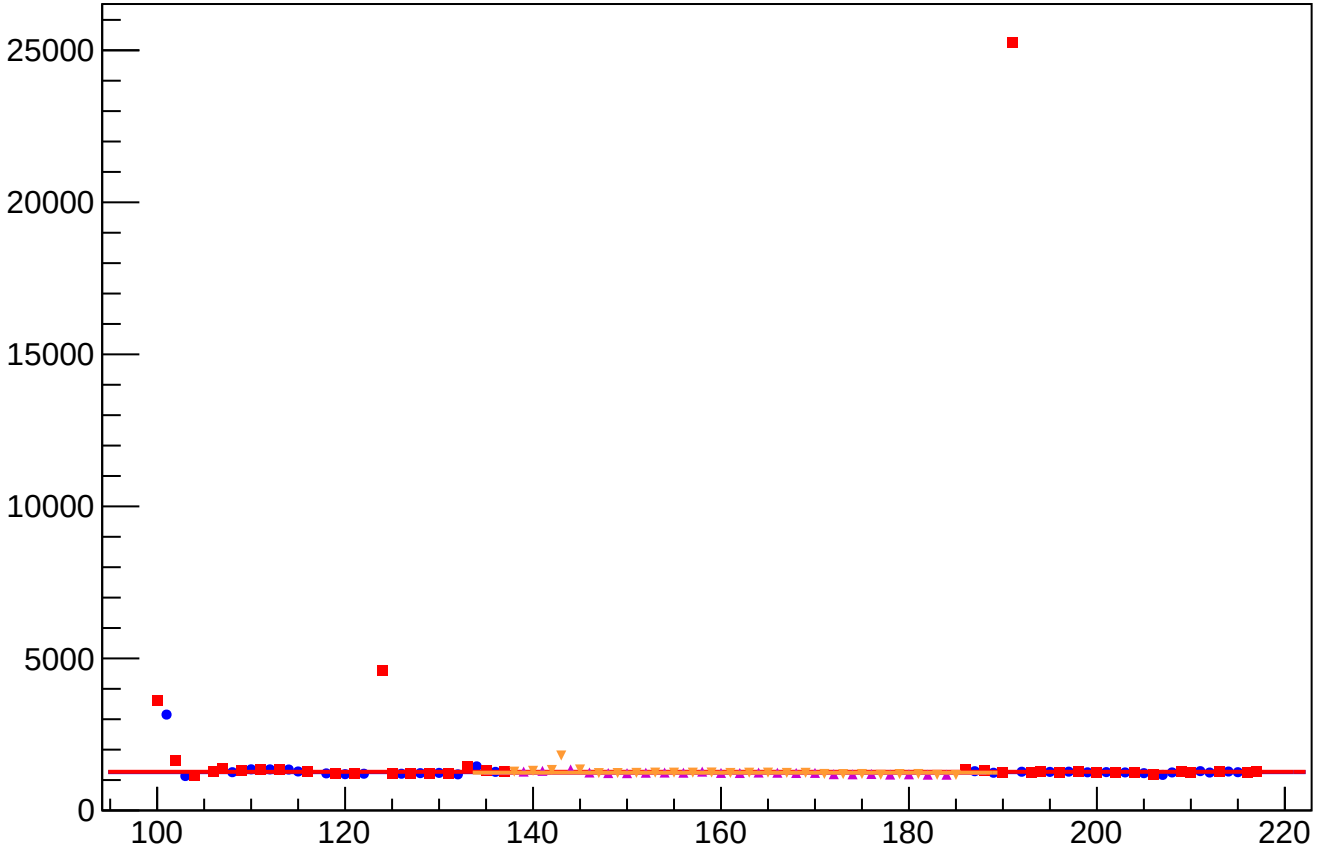
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 88.990+/-202.204 χ^2/NDF: 54.6/55

All: 215.807+/-142.978 χ^2/NDF: 101.2/114

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

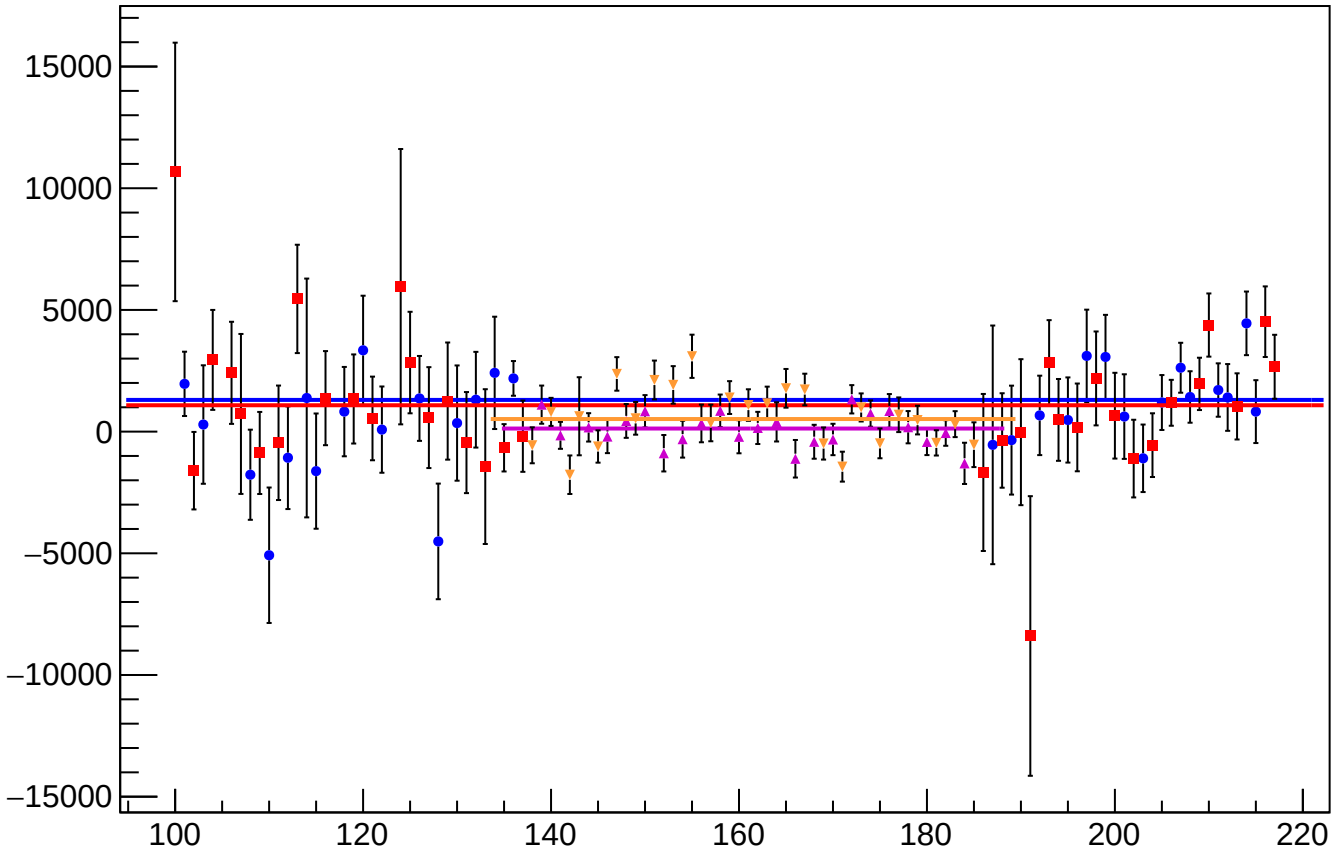
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742528.7/55

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

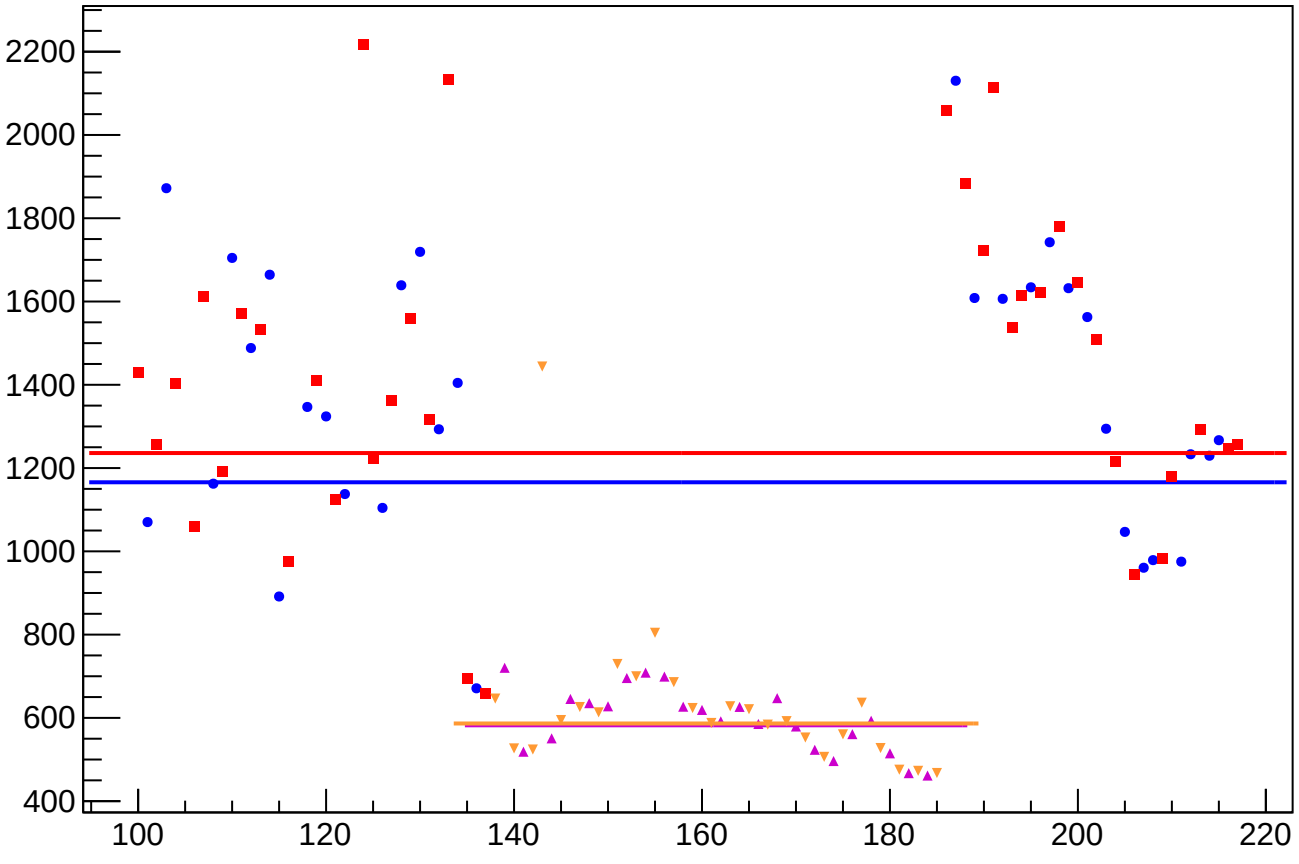
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 669.661+/-121.834 χ^2/NDF: 108.0/55

All: 491.194+/-86.768 χ^2/NDF: 186.4/114

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

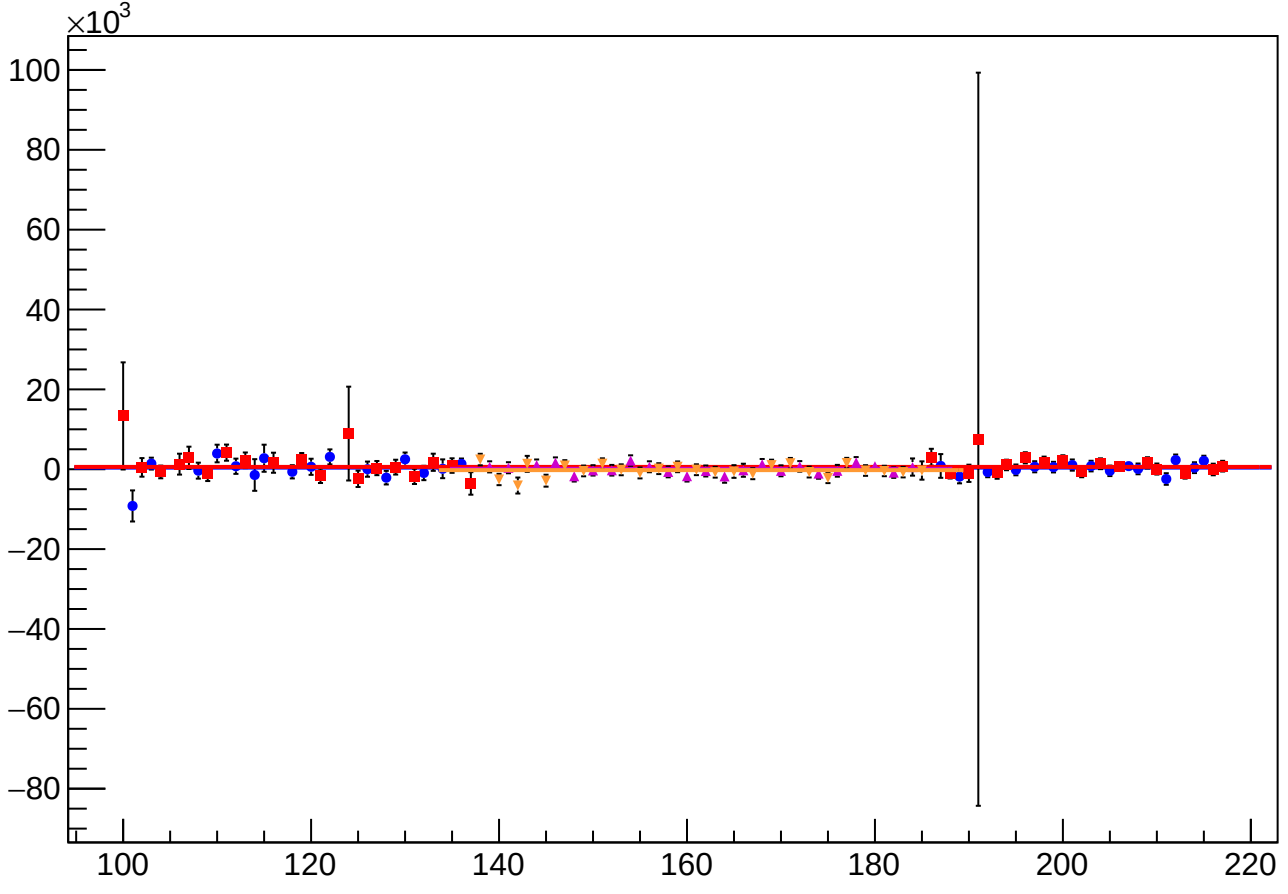
Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 699.226+/-0.086 χ^2/NDF: 10990935.8/55

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58



Right In: 411.786+/-288.956 χ^2/NDF: 28.2/30

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 585.051+/-283.740 χ^2/NDF: 29.7/35

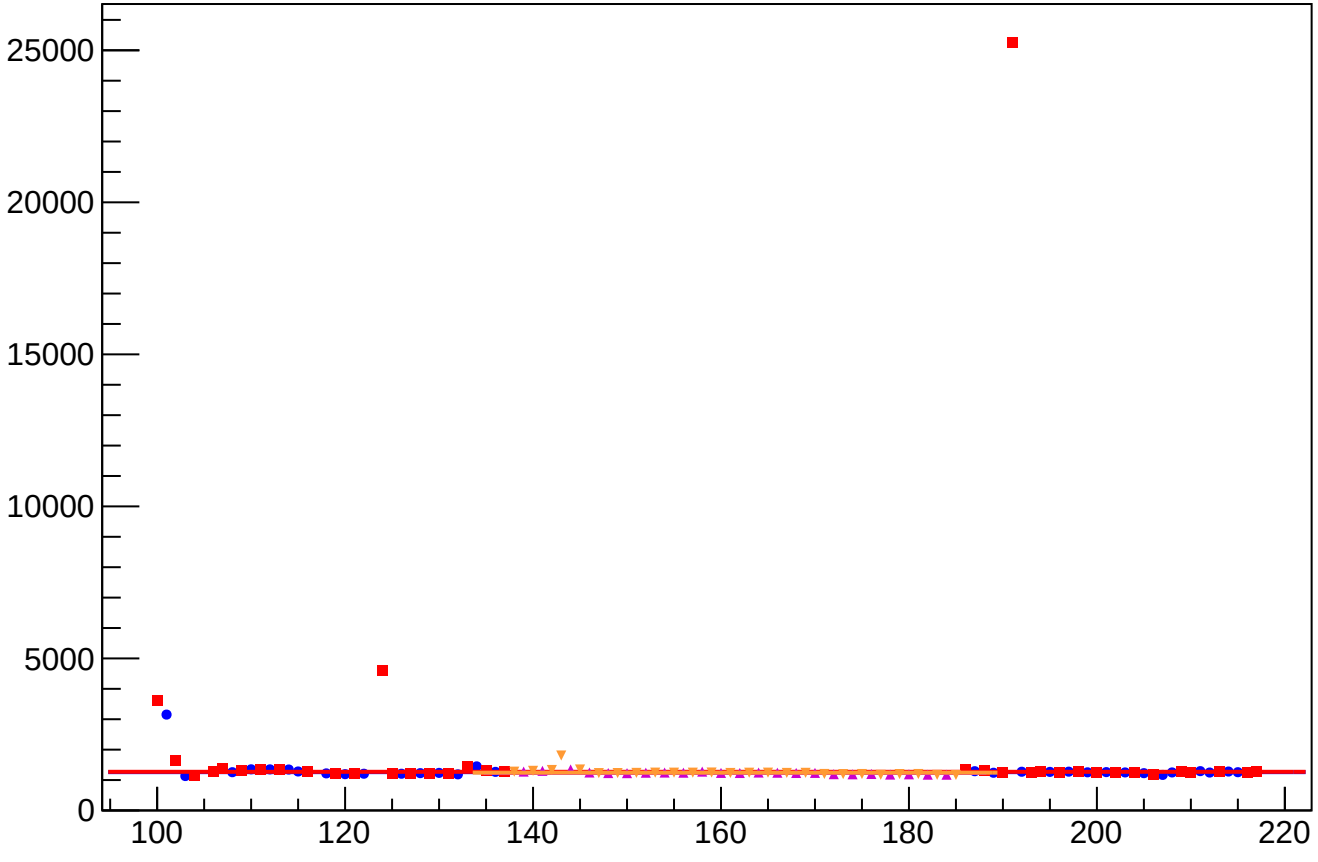
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 88.990+/-202.204 χ^2/NDF: 54.6/55

All: 215.807+/-142.978 χ^2/NDF: 101.2/114

- sign 342.617+/-202.199 χ^2/NDF: 45.9/58

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1259.920+/-0.204 χ^2/NDF: 535657.1/30

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

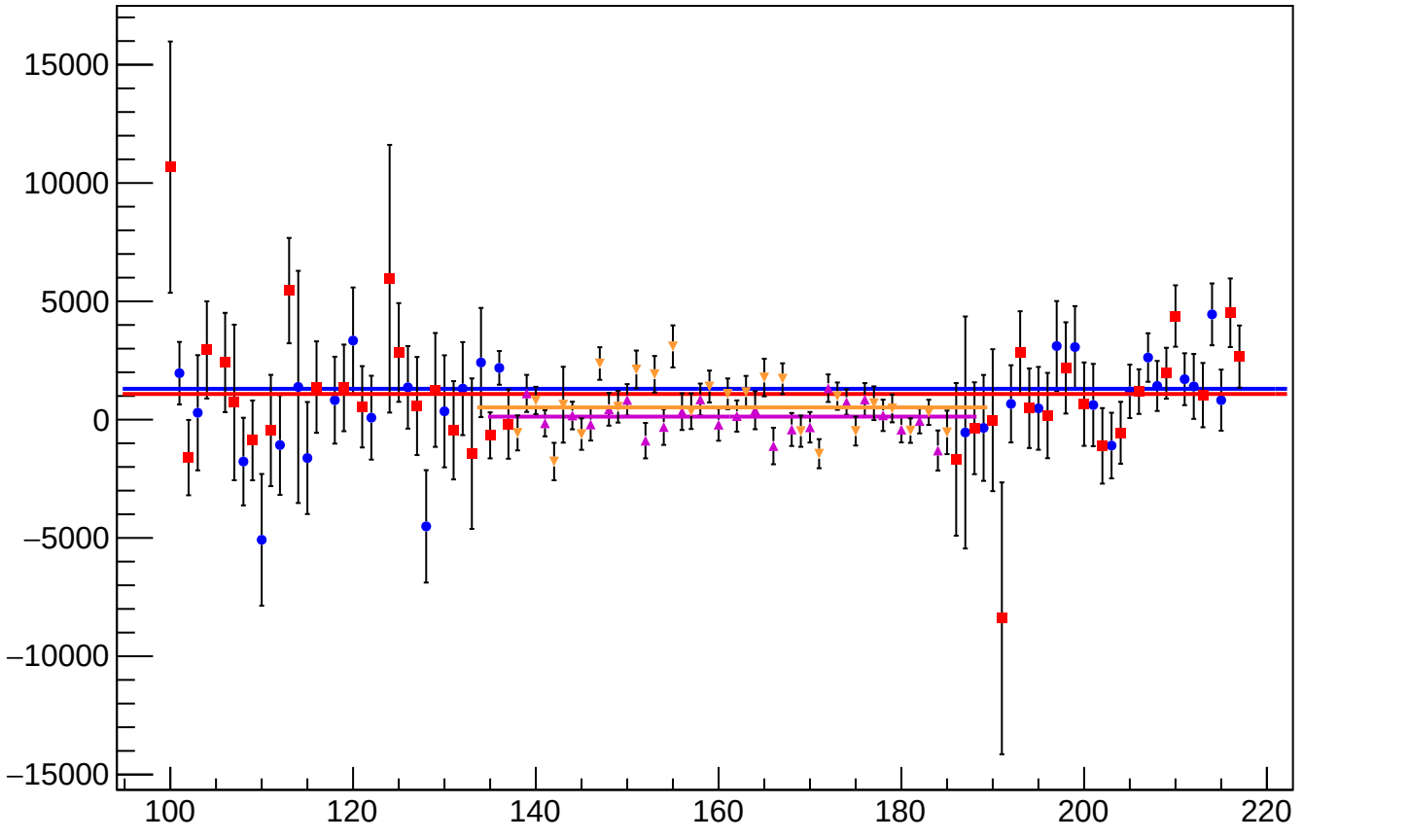
Right Out: 1271.082+/-0.201 χ^2/NDF: 494420.3/35

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.196+/-0.143 χ^2/NDF: 742528.7/55

All: 1251.953+/-0.101 χ^2/NDF: 1293325.0/11

- sign 1252.710+/-0.143 χ^2/NDF: 550740.3/58



Right In: 1302.736+/-276.264 χ^2/NDF: 34.4/30

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

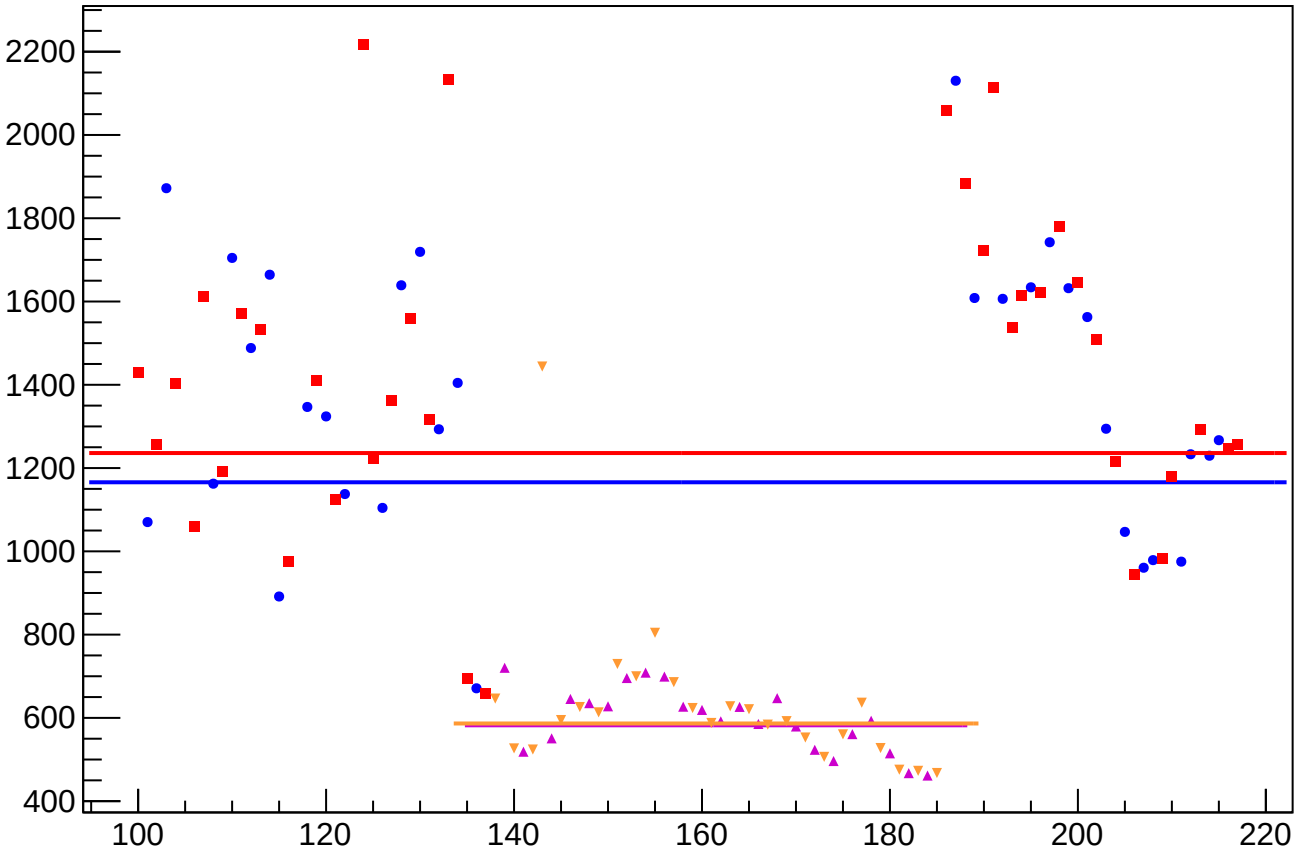
Right Out: 1083.133+/-284.185 χ^2/NDF: 43.3/35

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 669.661+/-121.834 χ^2/NDF: 108.0/55

All: 491.194+/-86.768 χ^2/NDF: 186.4/114

- sign 307.506+/-123.603 χ^2/NDF: 74.1/58



Right In: 1165.861+/-0.195 χ^2/NDF: 2704419.4/30

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1236.076+/-0.201 χ^2/NDF: 2735816.5/35

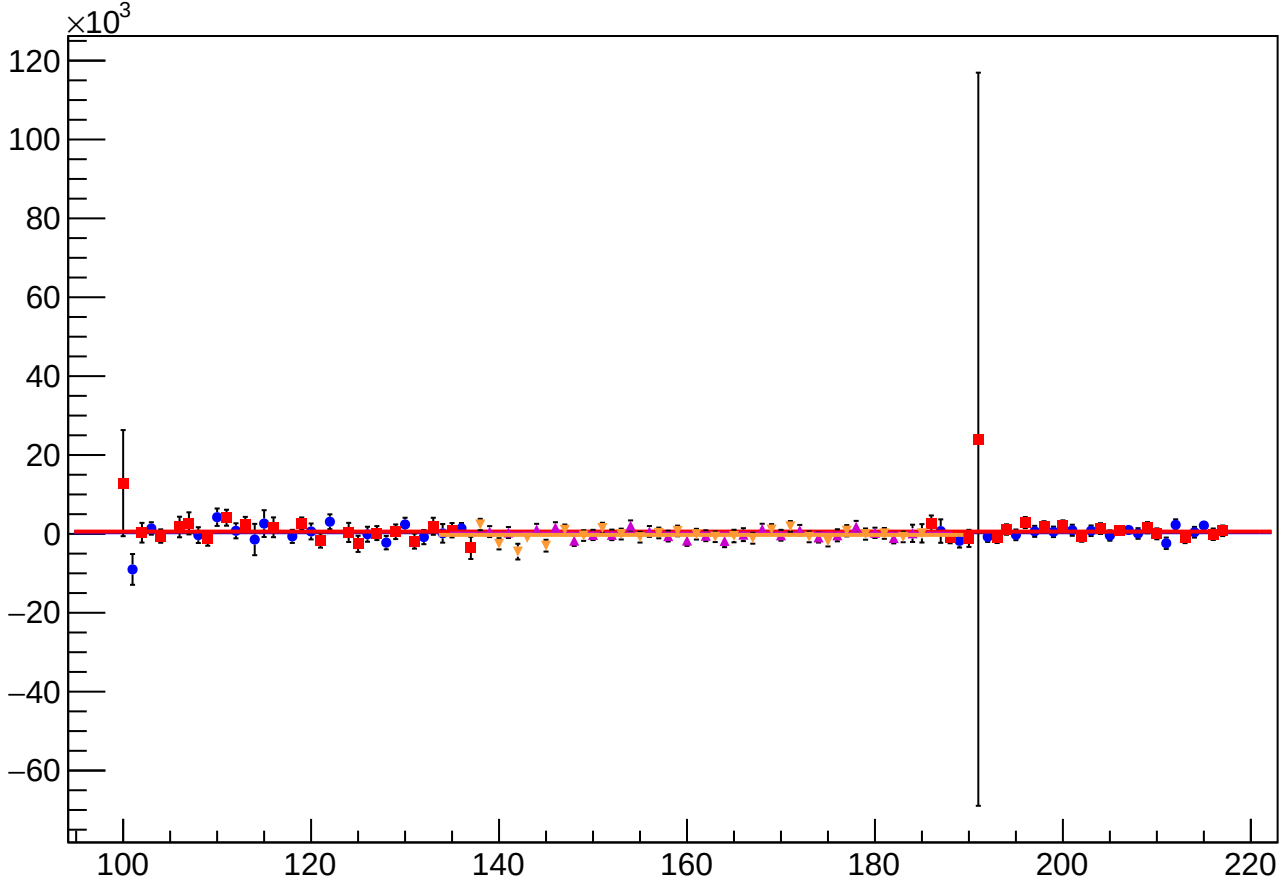
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 699.226+/-0.086 χ^2/NDF: 10990935.8/55

All: 702.507+/-0.061 χ^2/NDF: 22874401.1/11

- sign 705.884+/-0.087 χ^2/NDF: 11880522.0/58

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 420.174+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.664+/-283.147 χ^2/NDF: 29.2/35

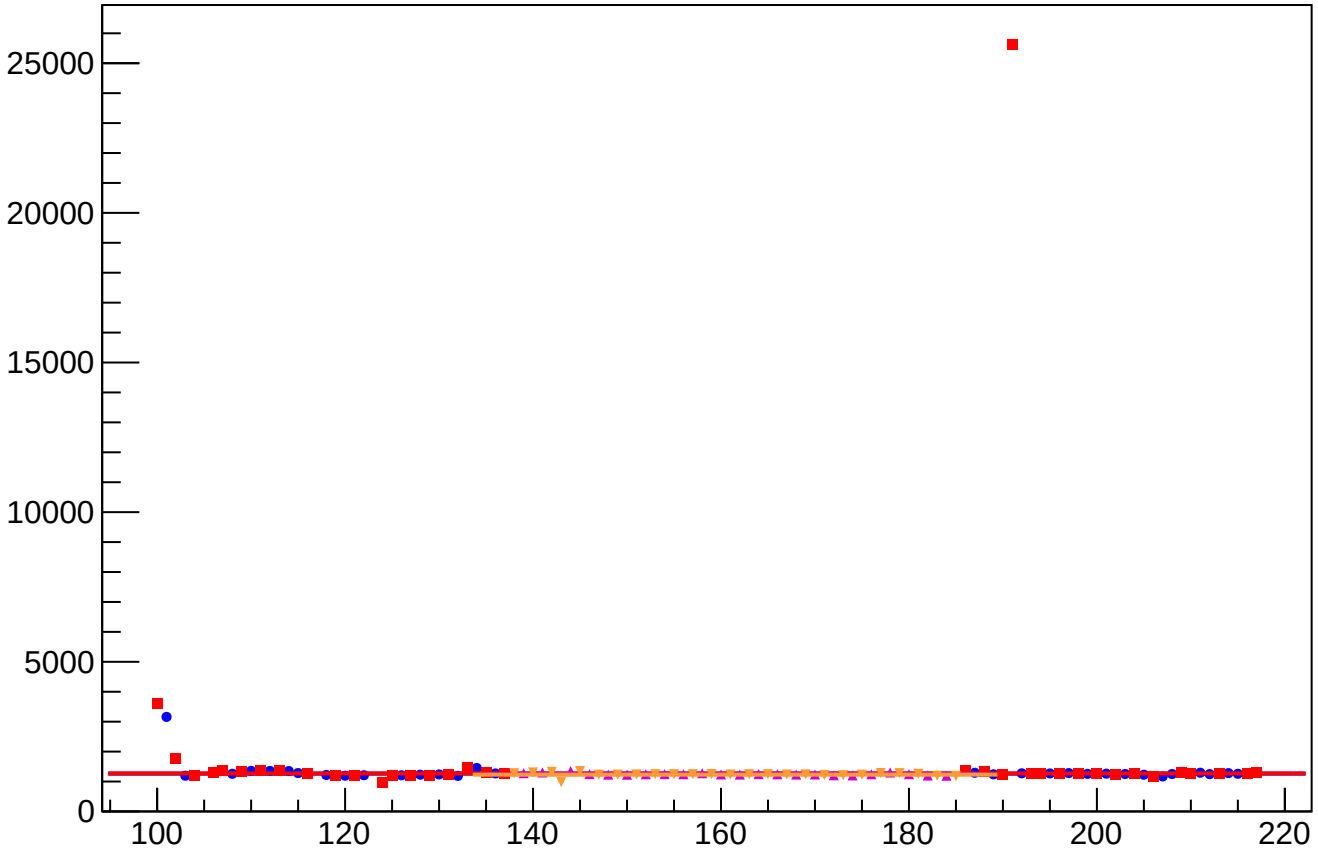
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 73.017+/-201.341 χ^2/NDF: 55.0/55

All: 203.429+/-142.984 χ^2/NDF: 100.6/114

- sign 336.115+/-203.090 χ^2/NDF: 44.8/58

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.7/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

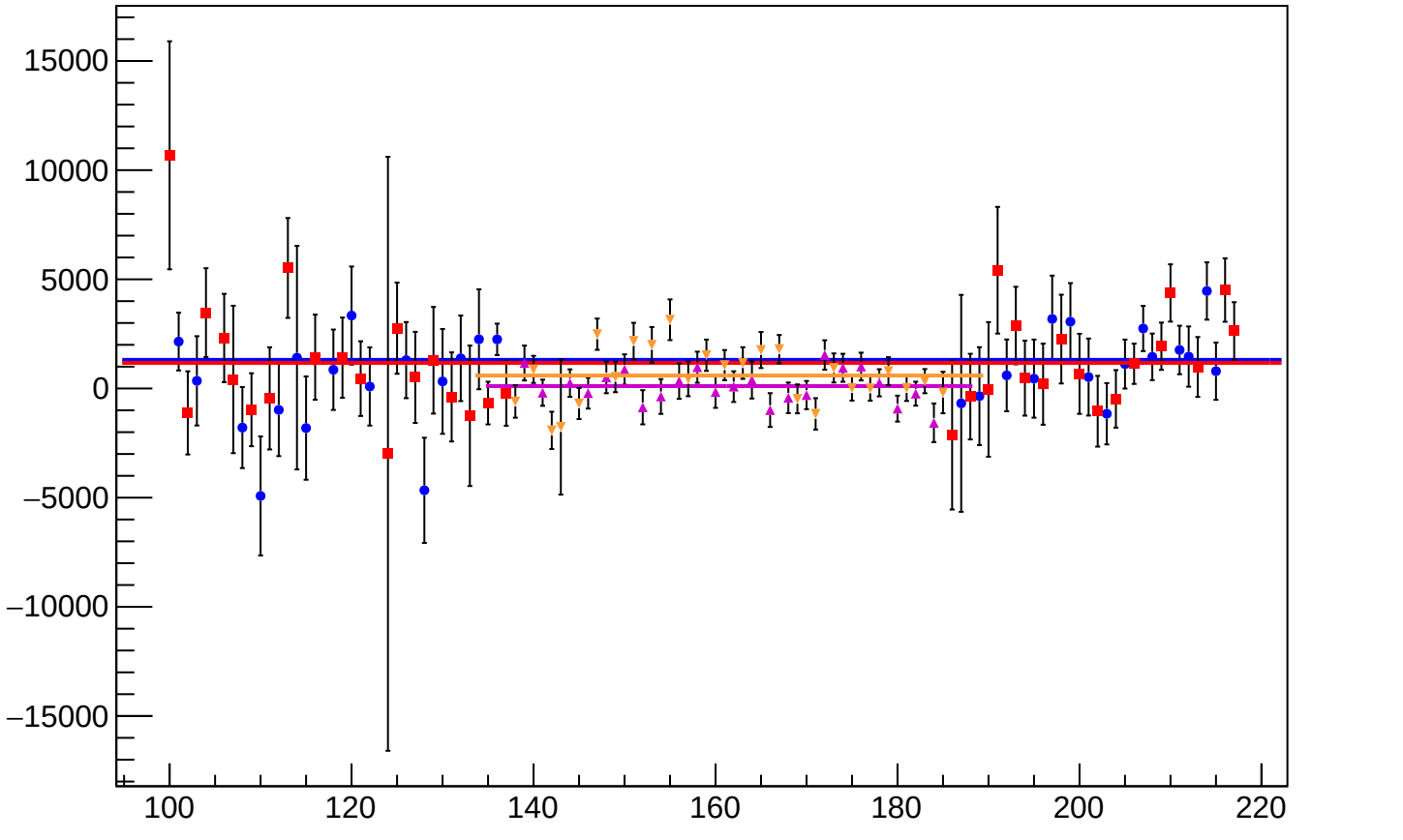
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.4/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.311+/-0.142 χ^2/NDF: 681172.2/55

All: 1252.665+/-0.101 χ^2/NDF: 1104100.3/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.5/58



Right In: 1311.254+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

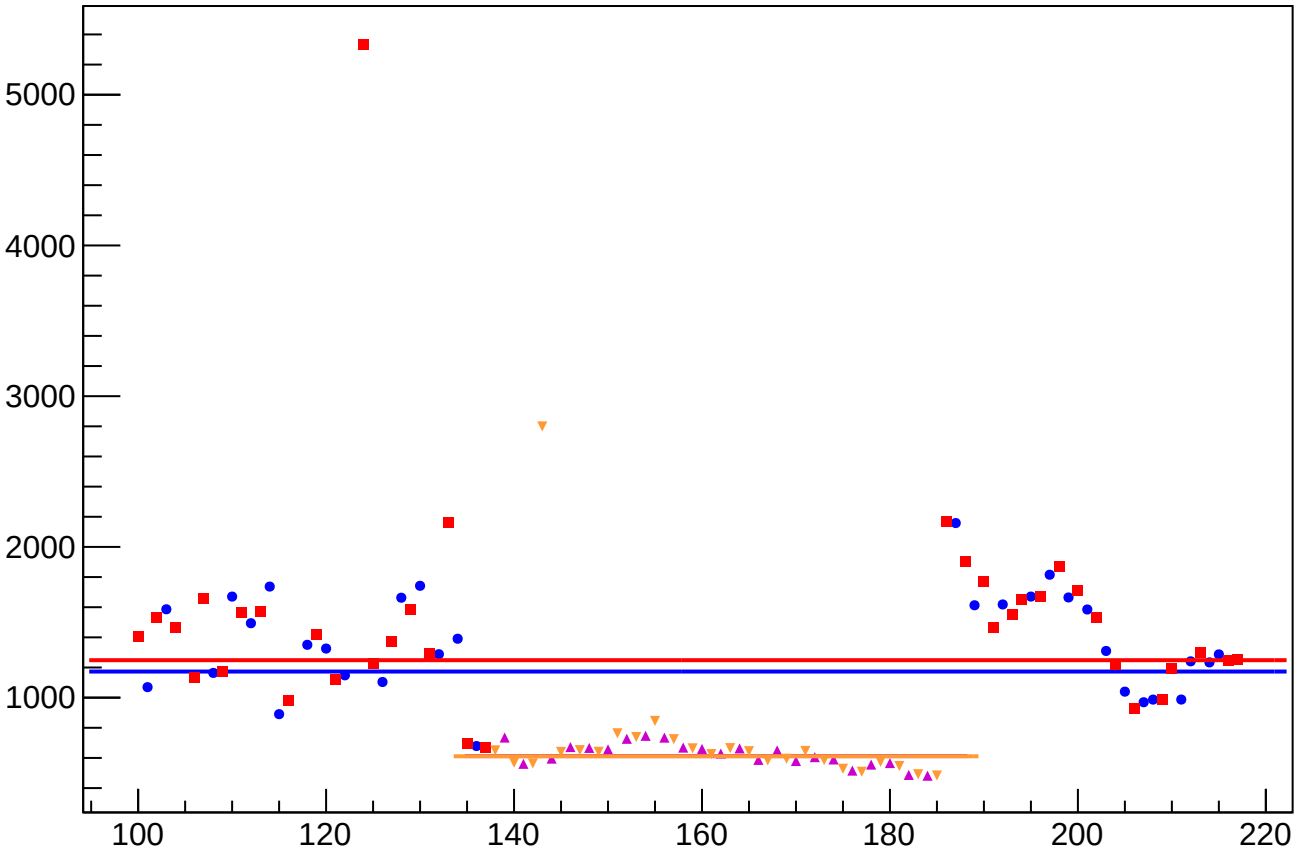
Right Out: 1173.960+/-286.304 χ^2/NDF: 40.7/35

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 743.627+/-126.528 χ^2/NDF: 98.1/55

All: 538.332+/-90.265 χ^2/NDF: 180.9/114

- sign 325.564+/-128.810 χ^2/NDF: 77.5/58



Right In: 1173.201+/-0.196 χ^2/NDF: 2646017.2/30

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

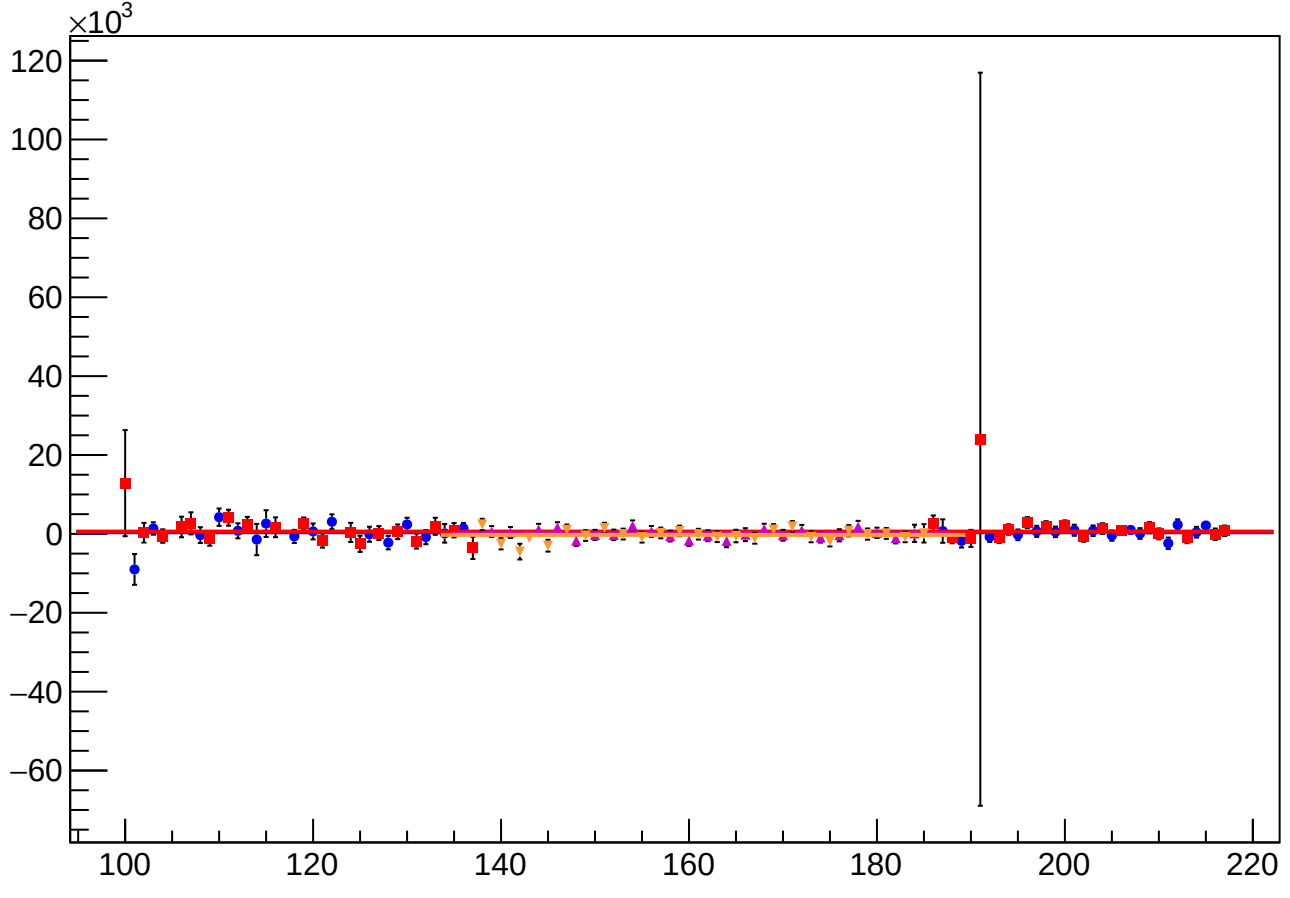
Right Out: 1248.483+/-0.202 χ^2/NDF: 3030929.2/35

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 727.729+/-0.089 χ^2/NDF: 10756695.9/55

All: 734.321+/-0.064 χ^2/NDF: 22180992.9/11

- sign 741.153+/-0.091 χ^2/NDF: 11413241.8/58



Right In: 420.171+/-289.813 χ^2/NDF: 28.2/30

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 582.662+/-283.147 χ^2/NDF: 29.2/35

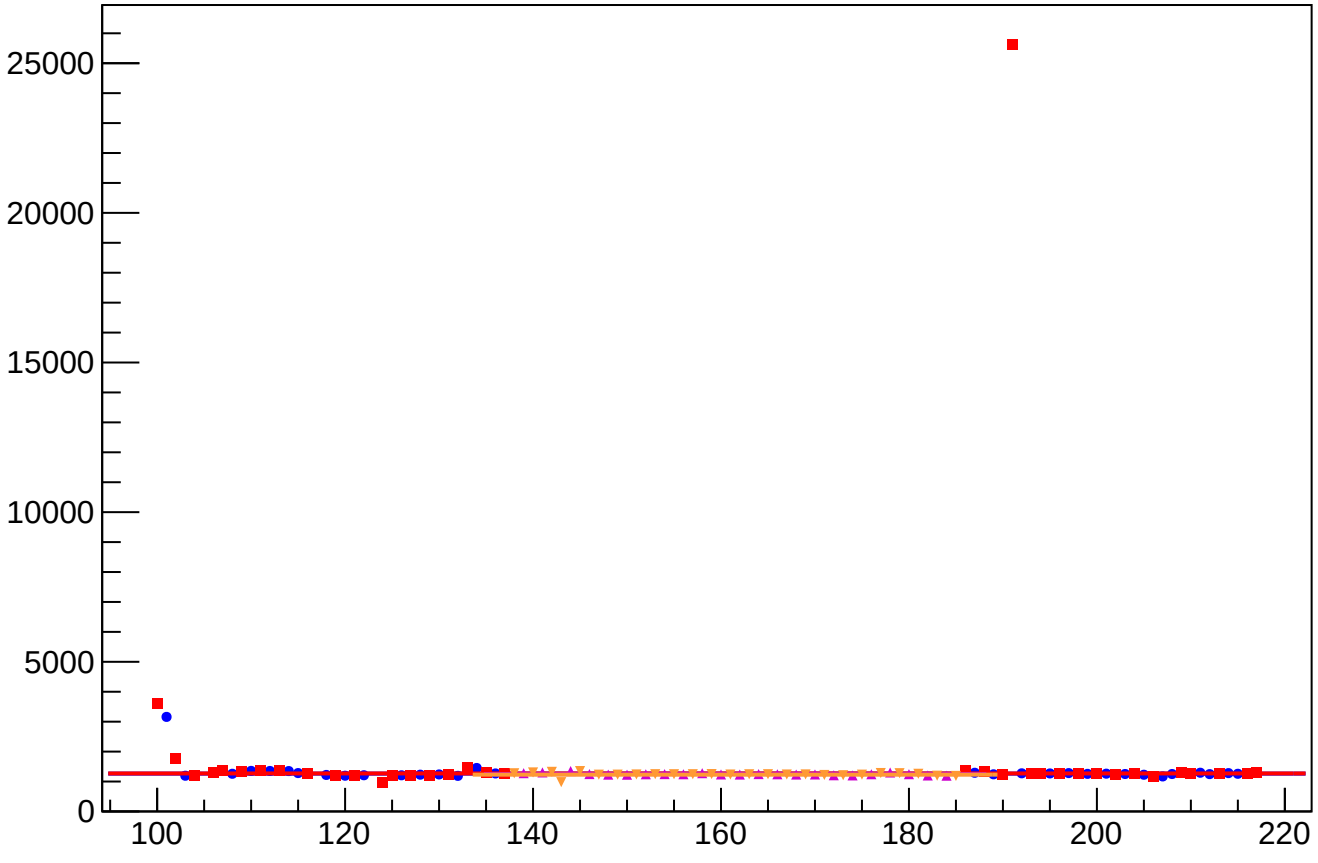
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 73.015+/-201.341 χ^2/NDF: 55.0/55

All: 203.427+/-142.984 χ^2/NDF: 100.6/114

- sign 336.114+/-203.090 χ^2/NDF: 44.8/58

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.810+/-0.205 χ^2/NDF: 525470.8/30

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

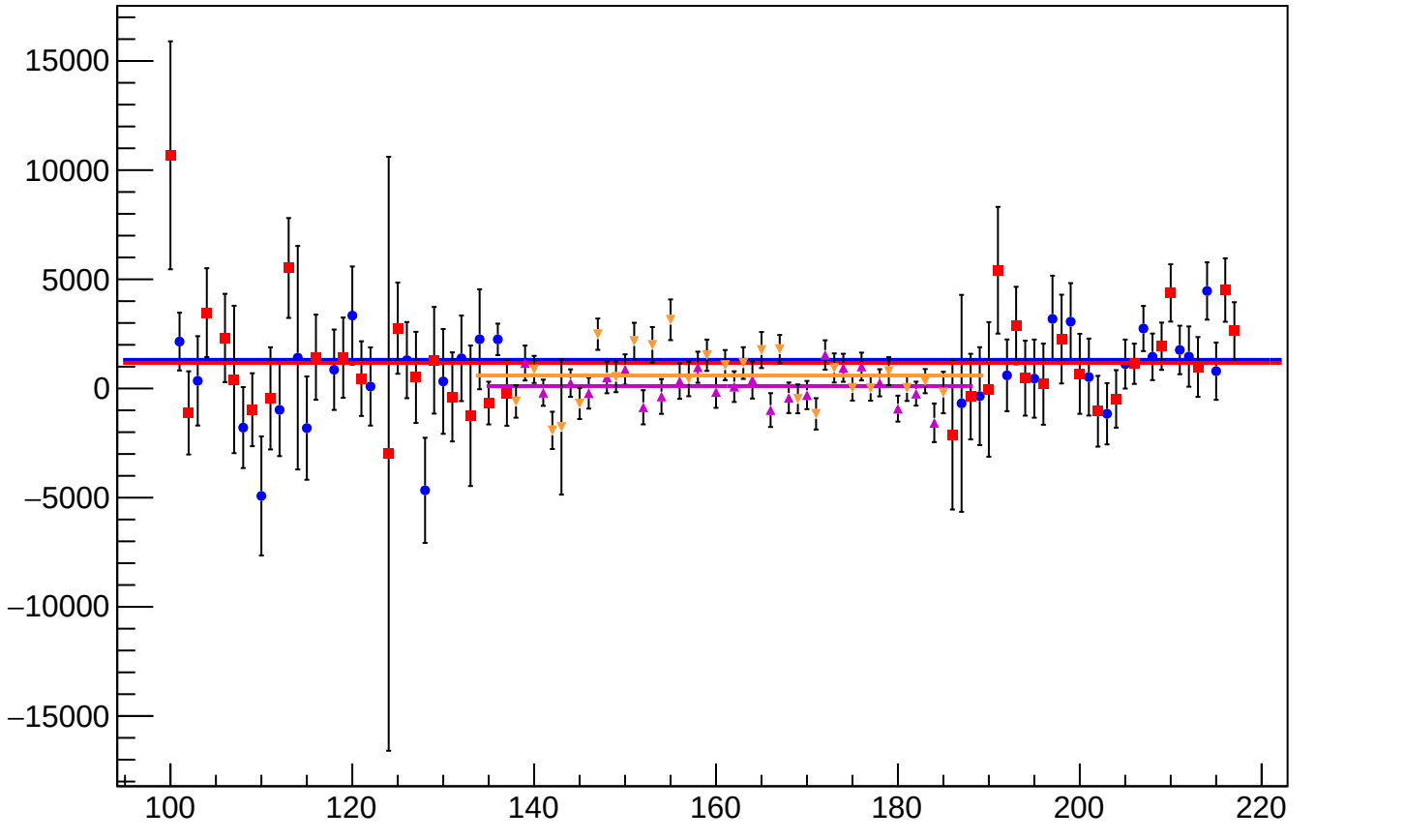
Right Out: 1269.837+/-0.200 χ^2/NDF: 385678.2/35

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.311+/-0.142 χ^2/NDF: 681171.3/55

All: 1252.665+/-0.101 χ^2/NDF: 1104099.2/11

- sign 1259.130+/-0.144 χ^2/NDF: 418909.3/58



Right In: 1311.253+/-277.760 χ^2/NDF: 35.5/30

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

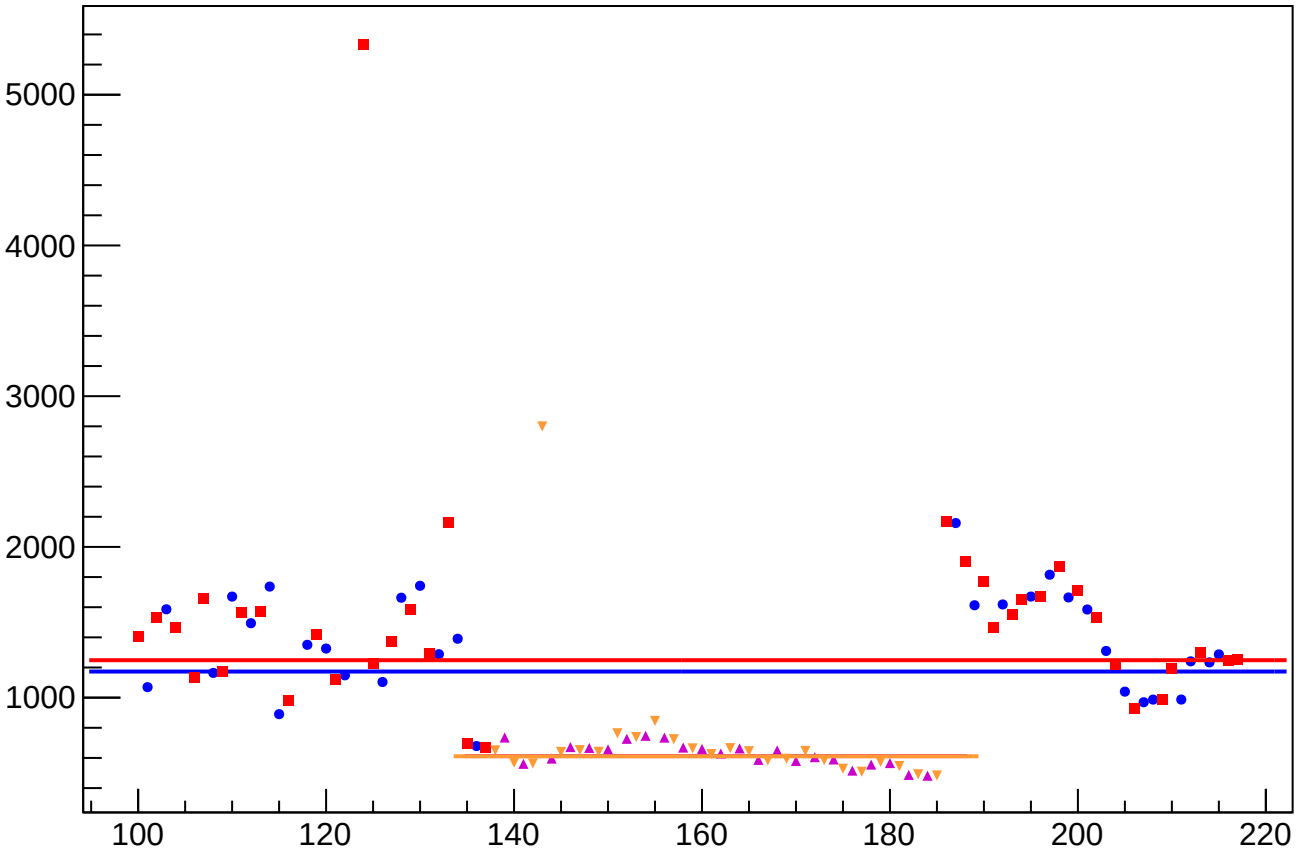
Right Out: 1173.961+/-286.305 χ^2/NDF: 40.7/35

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 743.626+/-126.528 χ^2/NDF: 98.1/55

All: 538.332+/-90.265 χ^2/NDF: 180.9/114

- sign 325.562+/-128.810 χ^2/NDF: 77.5/58



Right In: 1173.202+/-0.196 χ^2/NDF: 2645957.2/30

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.486+/-0.202 χ^2/NDF: 3030872.4/35

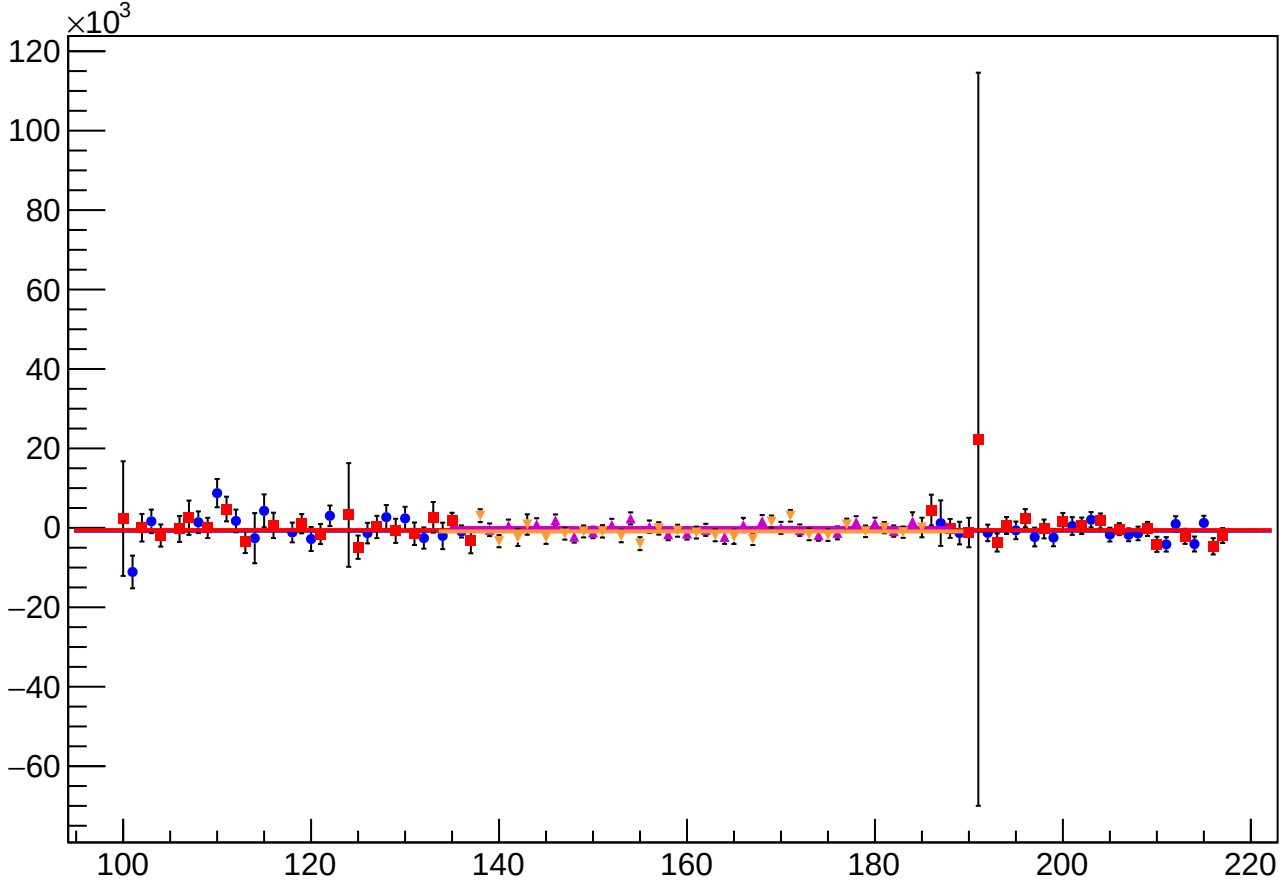
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 727.729+/-0.089 χ^2/NDF: 10756662.0/55

All: 734.320+/-0.064 χ^2/NDF: 22180975.1/11

- sign 741.152+/-0.091 χ^2/NDF: 11413258.6/58

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -721.502+/-419.243 χ^2/NDF: 35.8/30

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -563.449+/-419.443 χ^2/NDF: 27.6/35

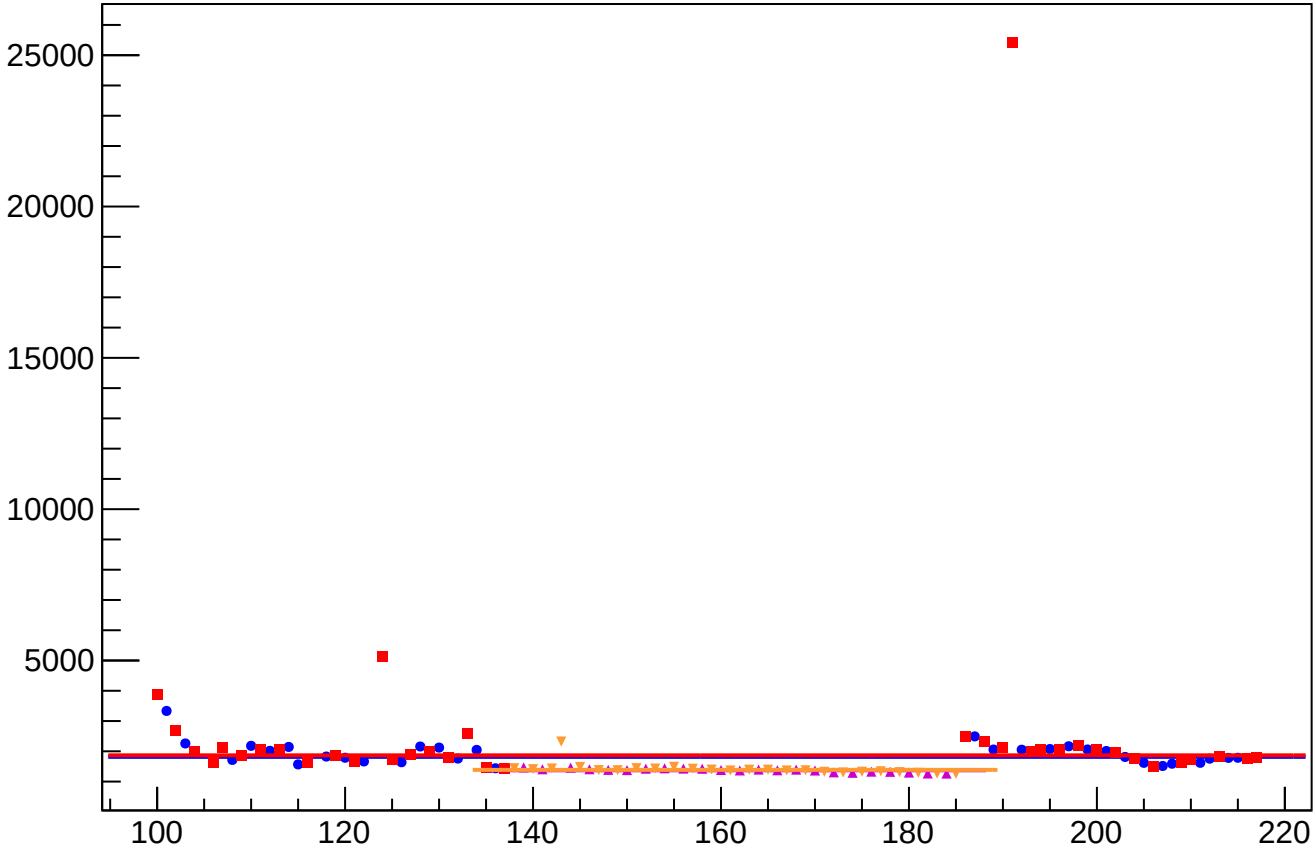
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -835.147+/-252.575 χ^2/NDF: 65.7/55

All: -539.506+/-179.407 χ^2/NDF: 114.9/114

- sign -238.444+/-254.880 χ^2/NDF: 46.5/58

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1817.481+/-0.296 χ^2/NDF: 893605.4/30

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

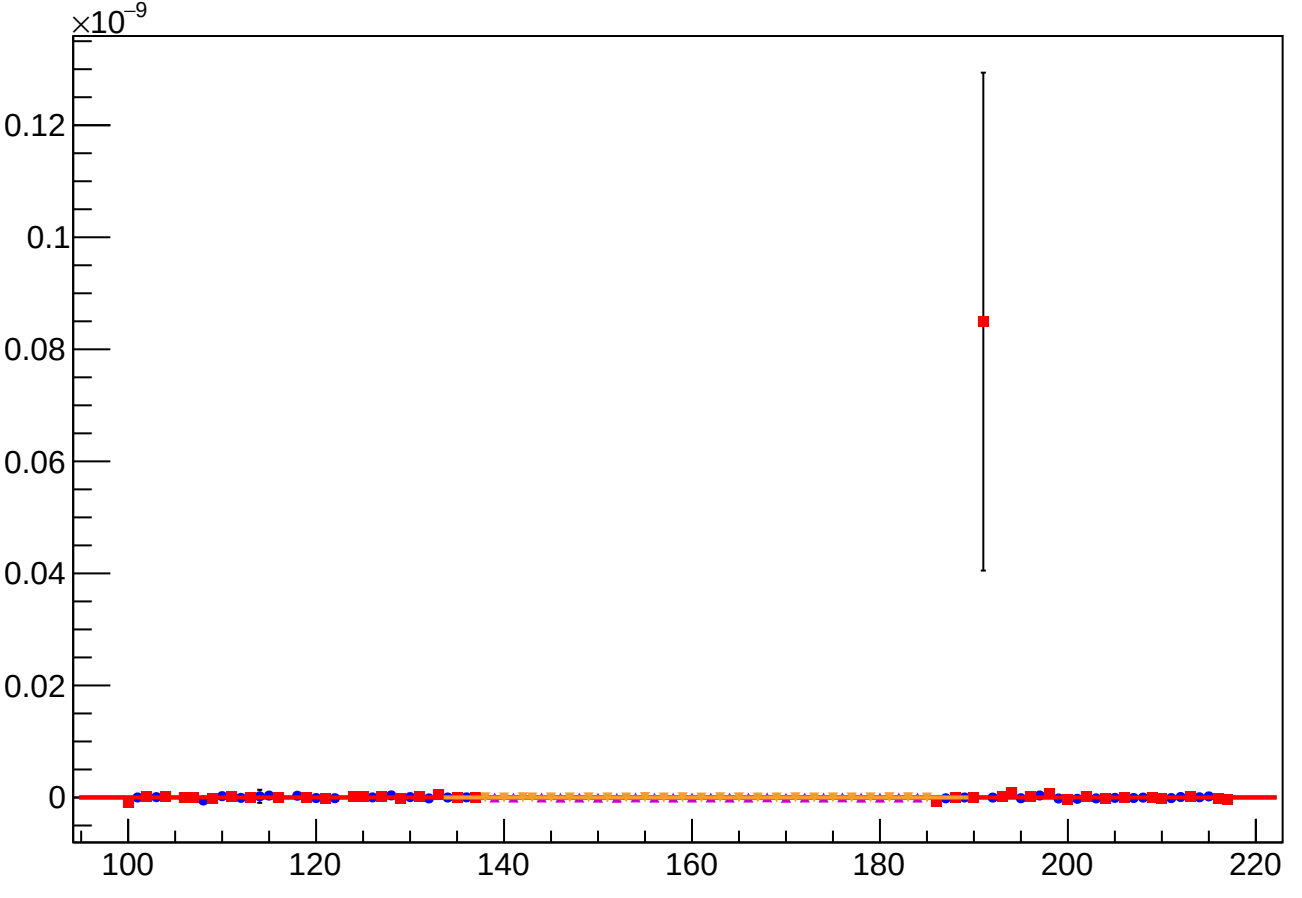
Right Out: 1866.677+/-0.297 χ^2/NDF: 1059515.3/35

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1543.145+/-0.179 χ^2/NDF: 2577688.4/55

All: 1549.232+/-0.127 χ^2/NDF: 5450021.0/11

- sign 1555.430+/-0.180 χ^2/NDF: 2869988.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

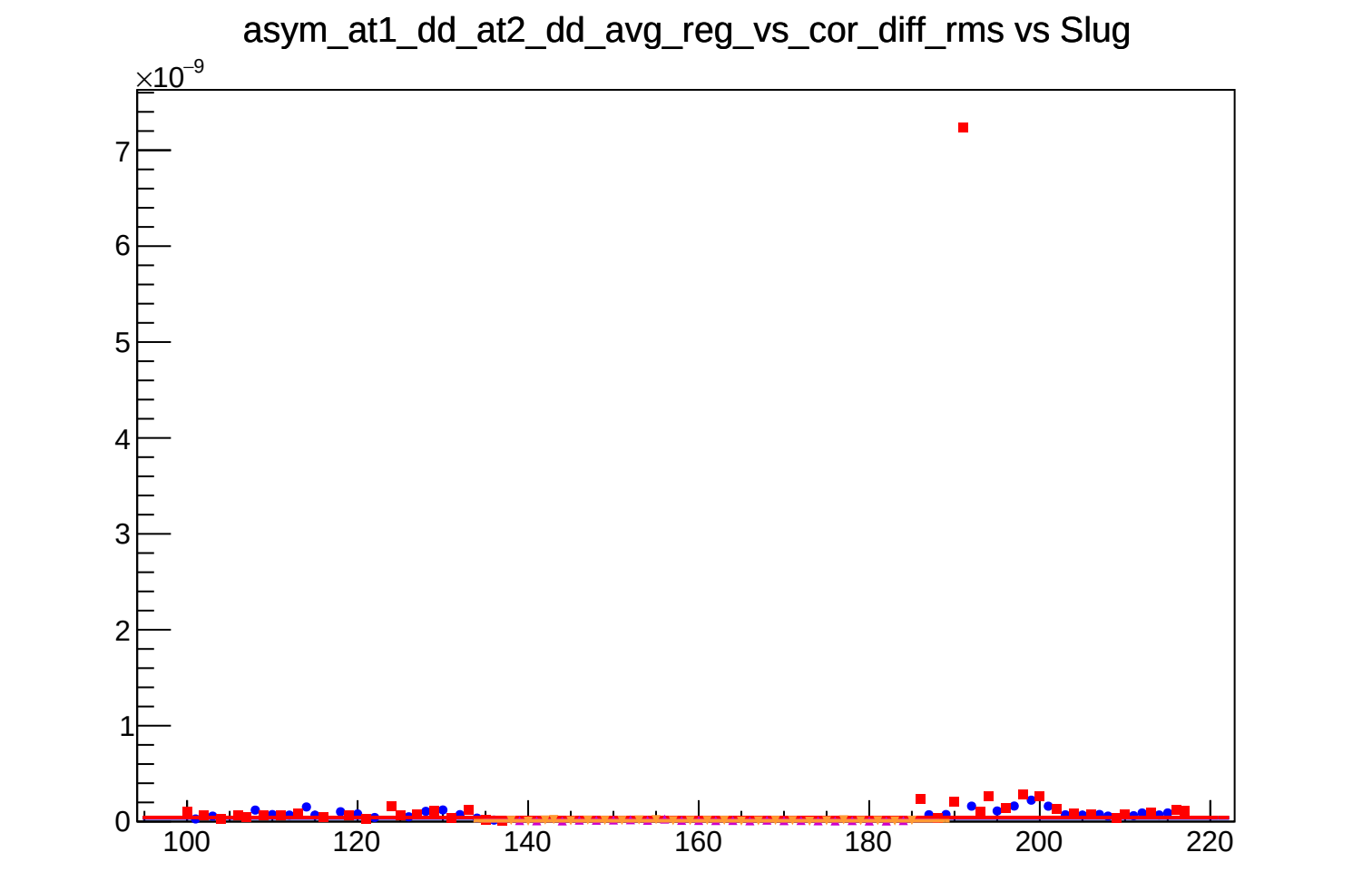
Right Out: 0.000+/-0.000 χ^2/NDF: 56.8/35

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/55

All: 0.000+/-0.000 χ^2/NDF: 123.3/114

- sign -0.000+/-0.000 χ^2/NDF: 70.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7003564.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

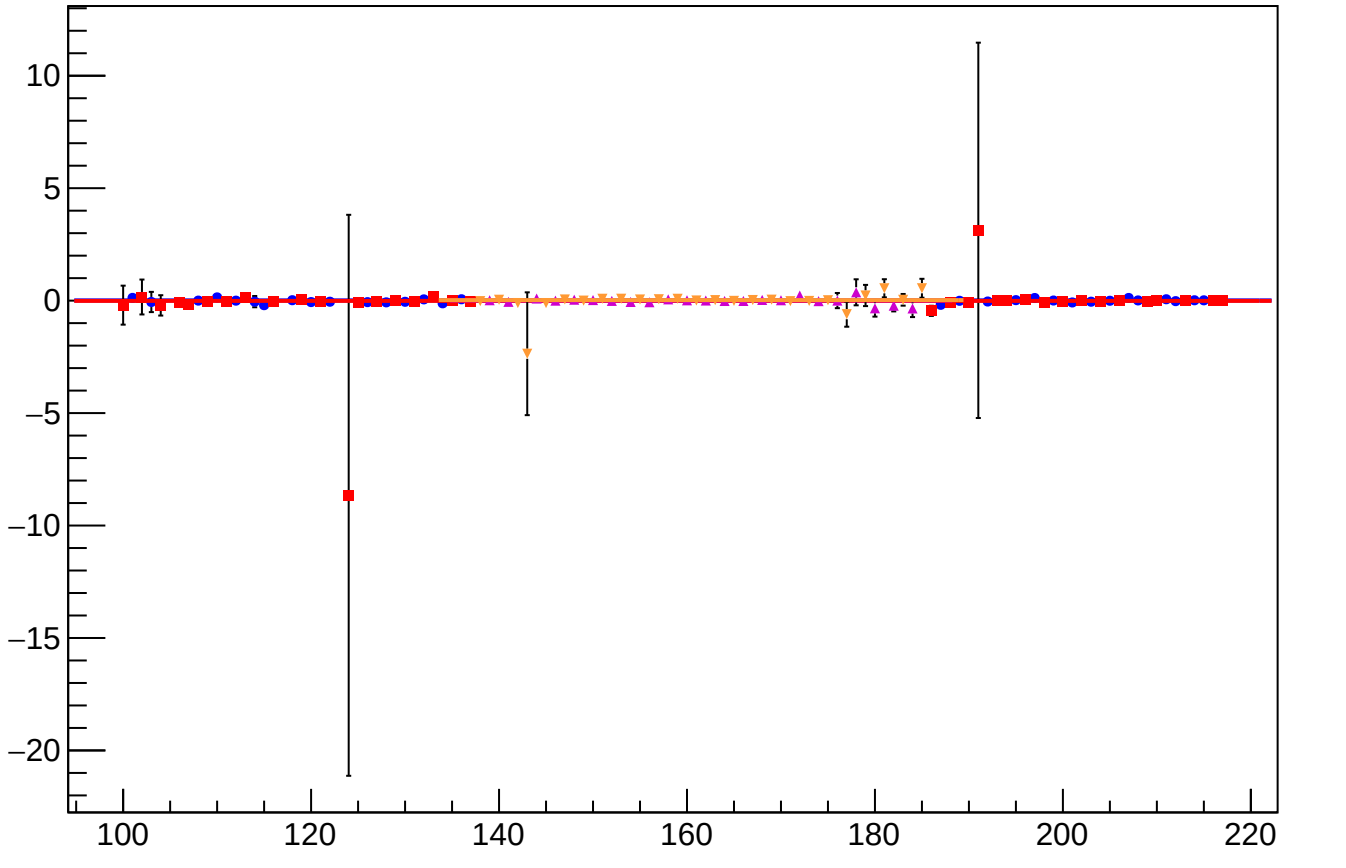
Right Out: 0.000+/-0.000 χ^2/NDF: 7667075.9/35

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14921001.1/55

All: 0.000+/-0.000 χ^2/NDF: 29734052.0/114

- sign 0.000+/-0.000 χ^2/NDF: 14525833.5/58



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

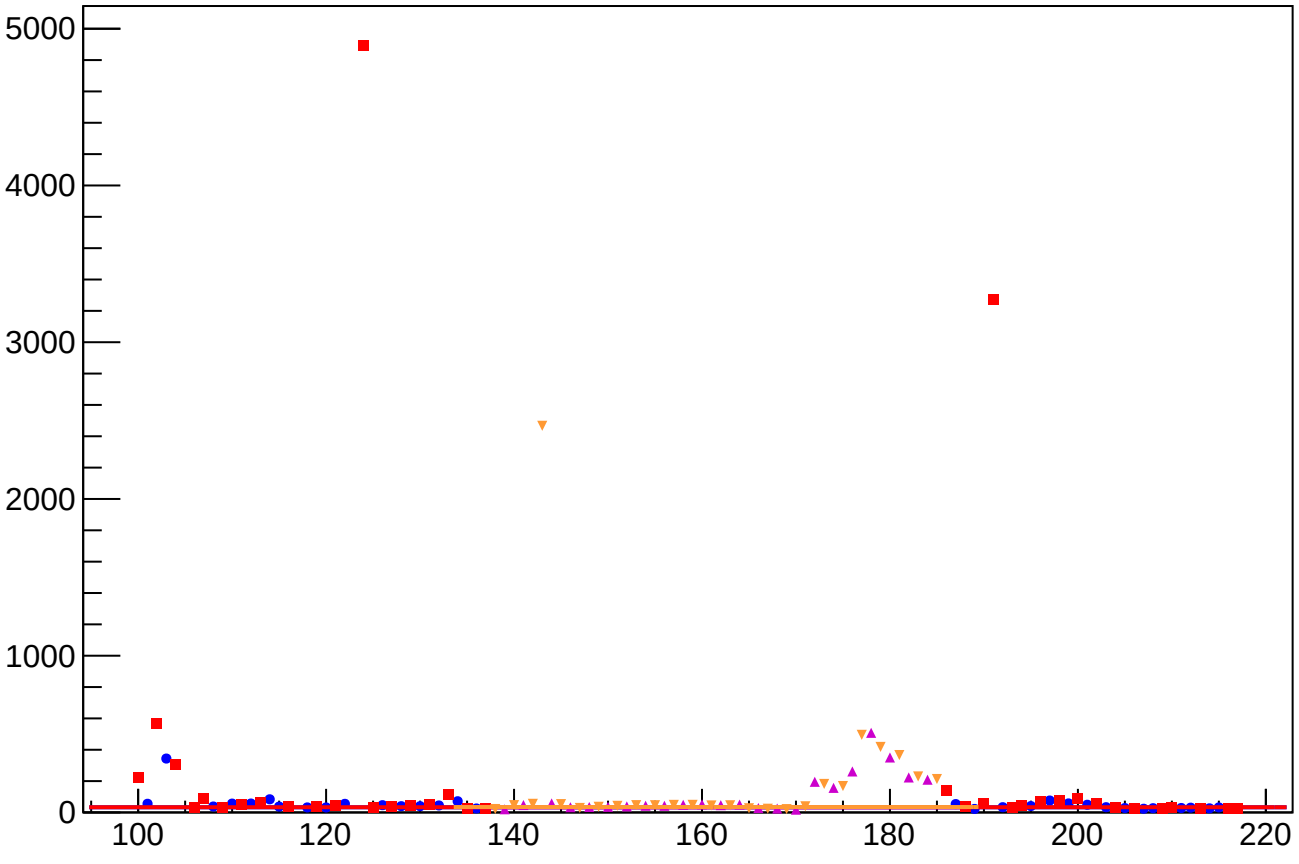
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

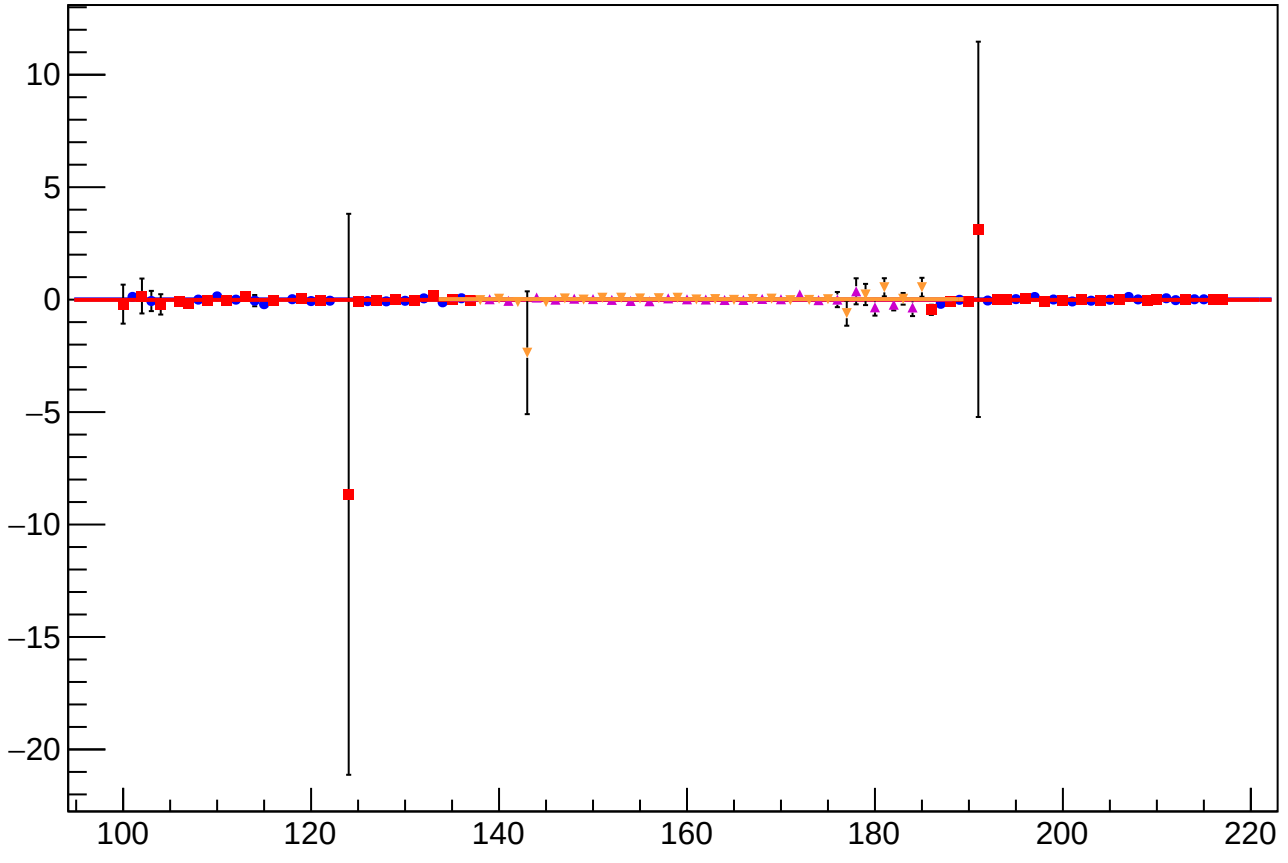
Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.635+/-0.005 χ^2/NDF: 15168061.8/55

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

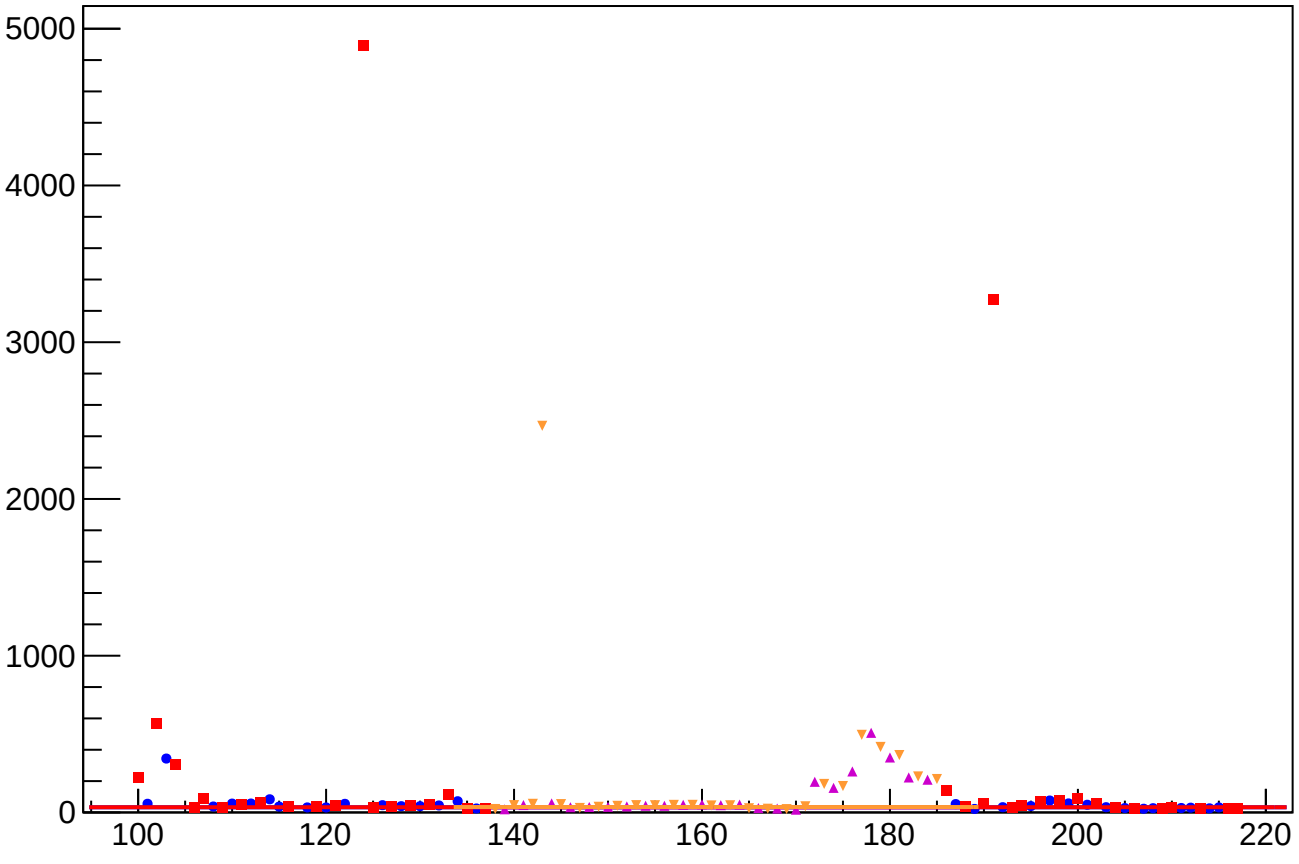
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.929+/-0.006 χ^2/NDF: 3733447.0/30

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

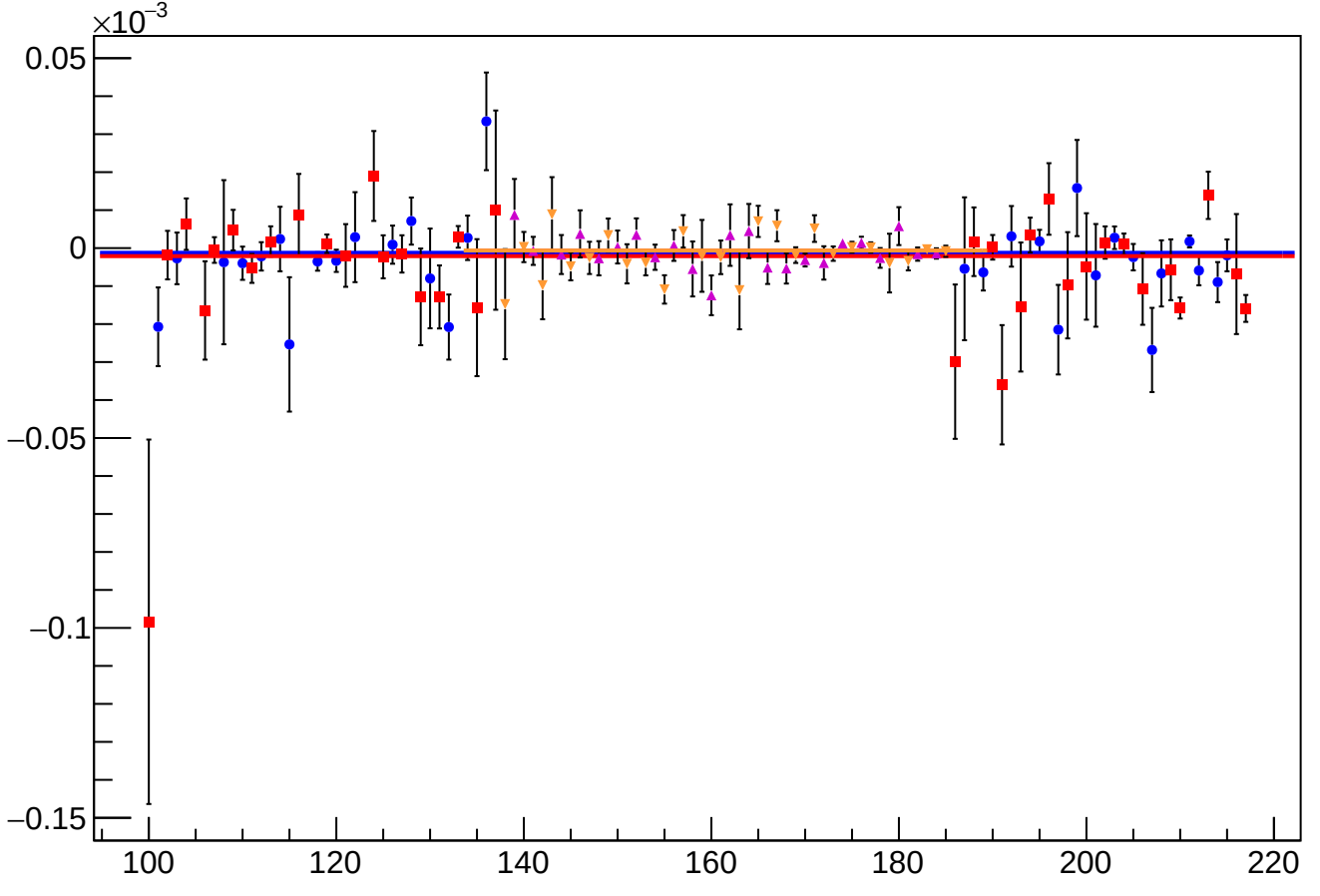
Right Out: 33.279+/-0.006 χ^2/NDF: 6794458.3/35

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.635+/-0.005 χ^2/NDF: 15168061.8/55

All: 33.526+/-0.003 χ^2/NDF: 32032214.1/114

- sign 33.416+/-0.005 χ^2/NDF: 16863043.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

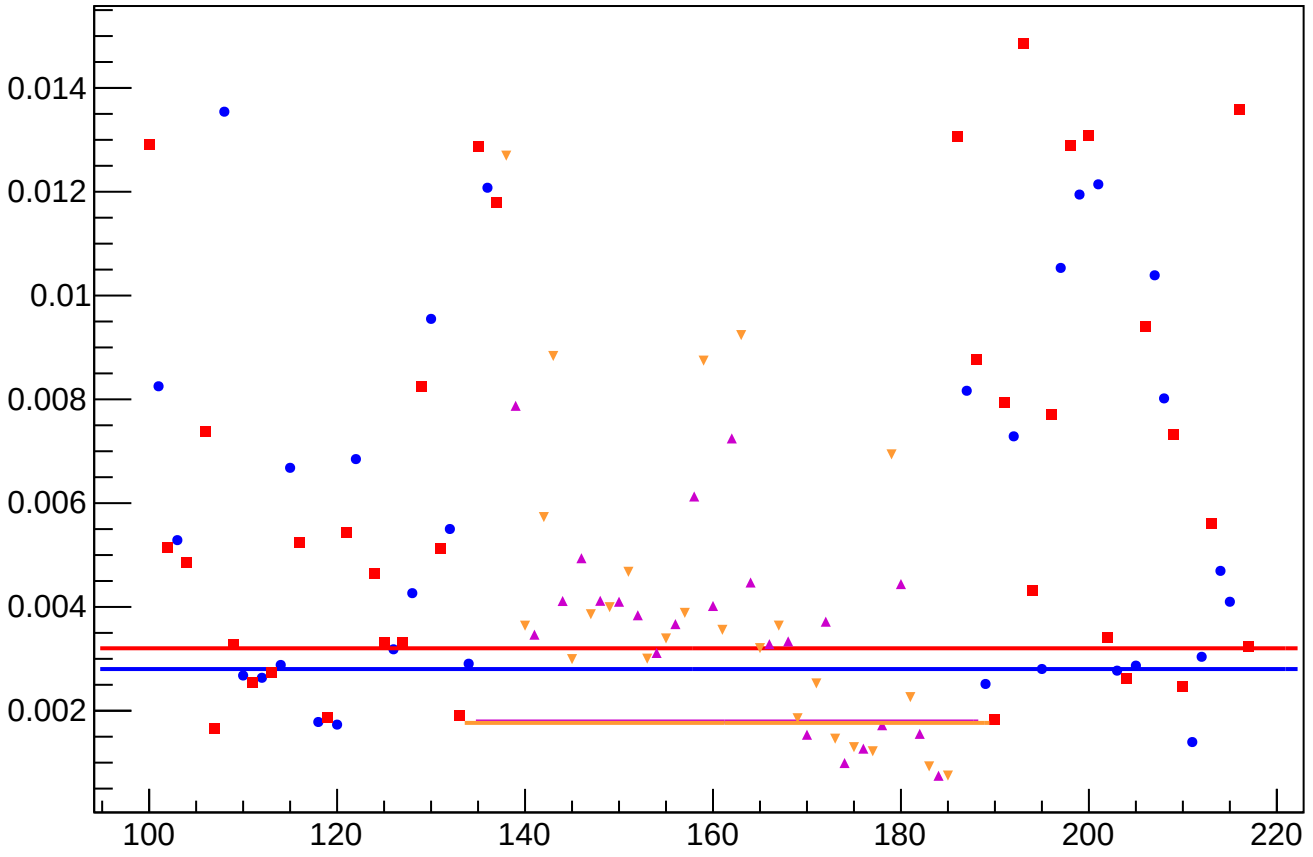
Right Out: -0.000+/-0.000 χ^2/NDF: 83.9/35

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.8/55

All: -0.000+/-0.000 χ^2/NDF: 181.9/114

- sign -0.000+/-0.000 χ^2/NDF: 107.9/58



Right In: 0.003+/-0.000 χ^2/NDF: 11525264.3/30

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

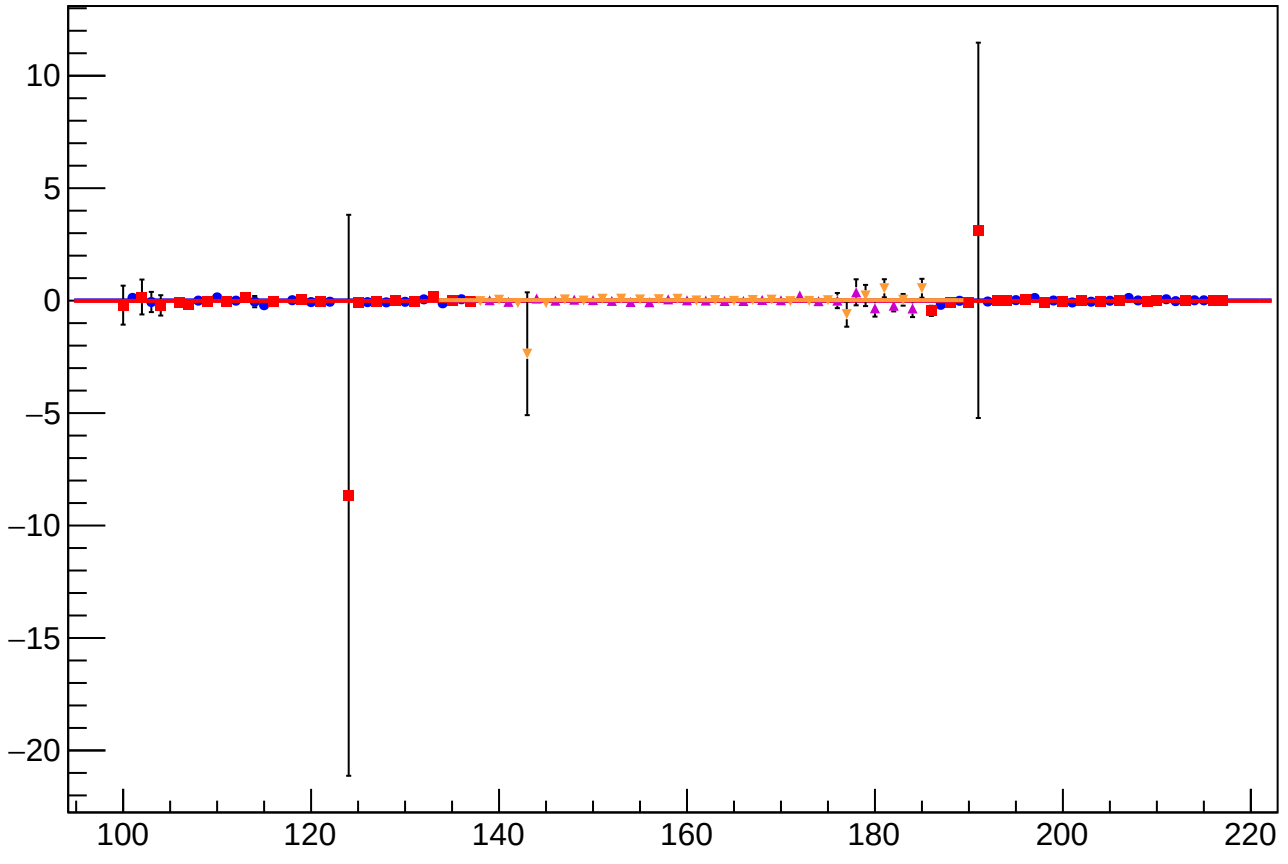
Right Out: 0.003+/-0.000 χ^2/NDF: 11597710.9/35

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 26826907.6/55

All: 0.002+/-0.000 χ^2/NDF: 53126894.1/114

- sign 0.002+/-0.000 χ^2/NDF: 26212962.6/58



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

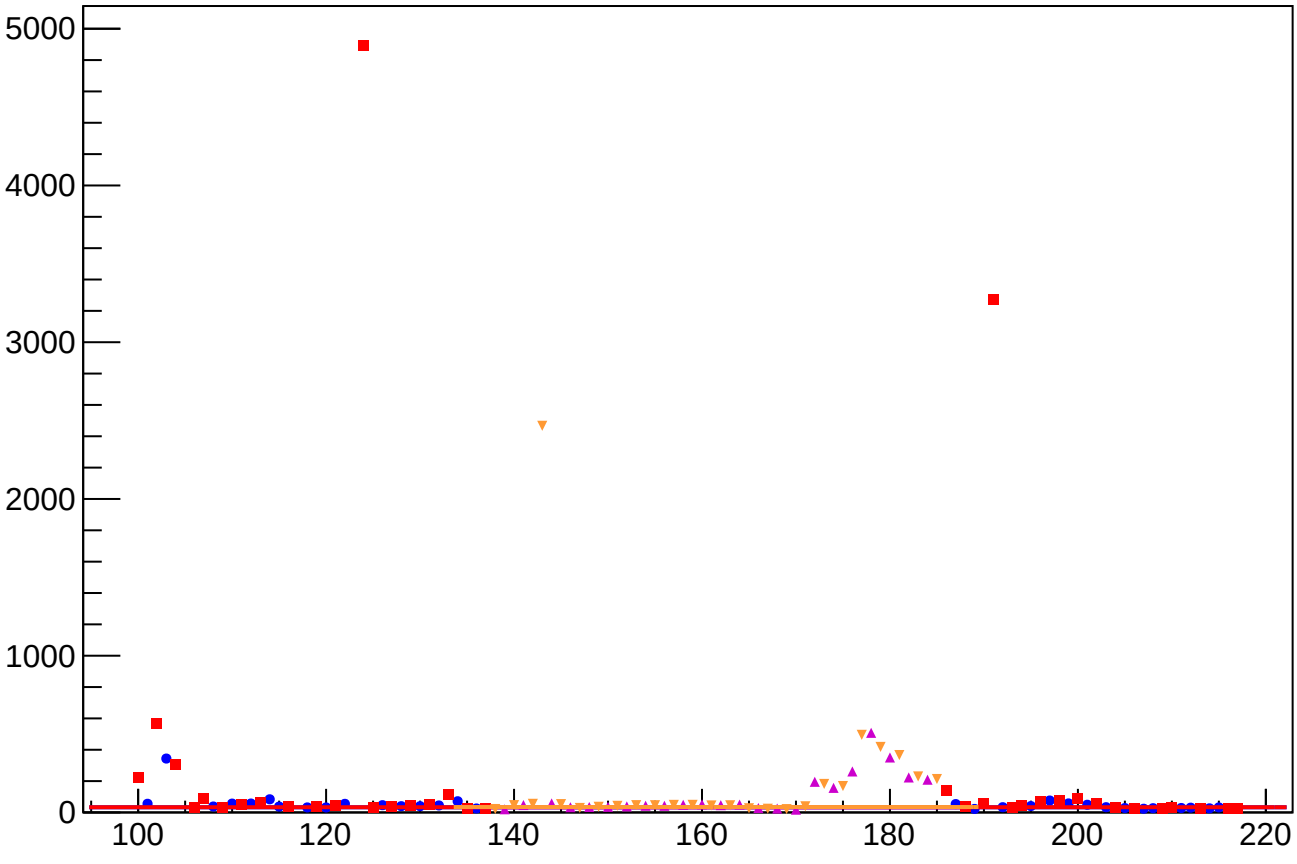
Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

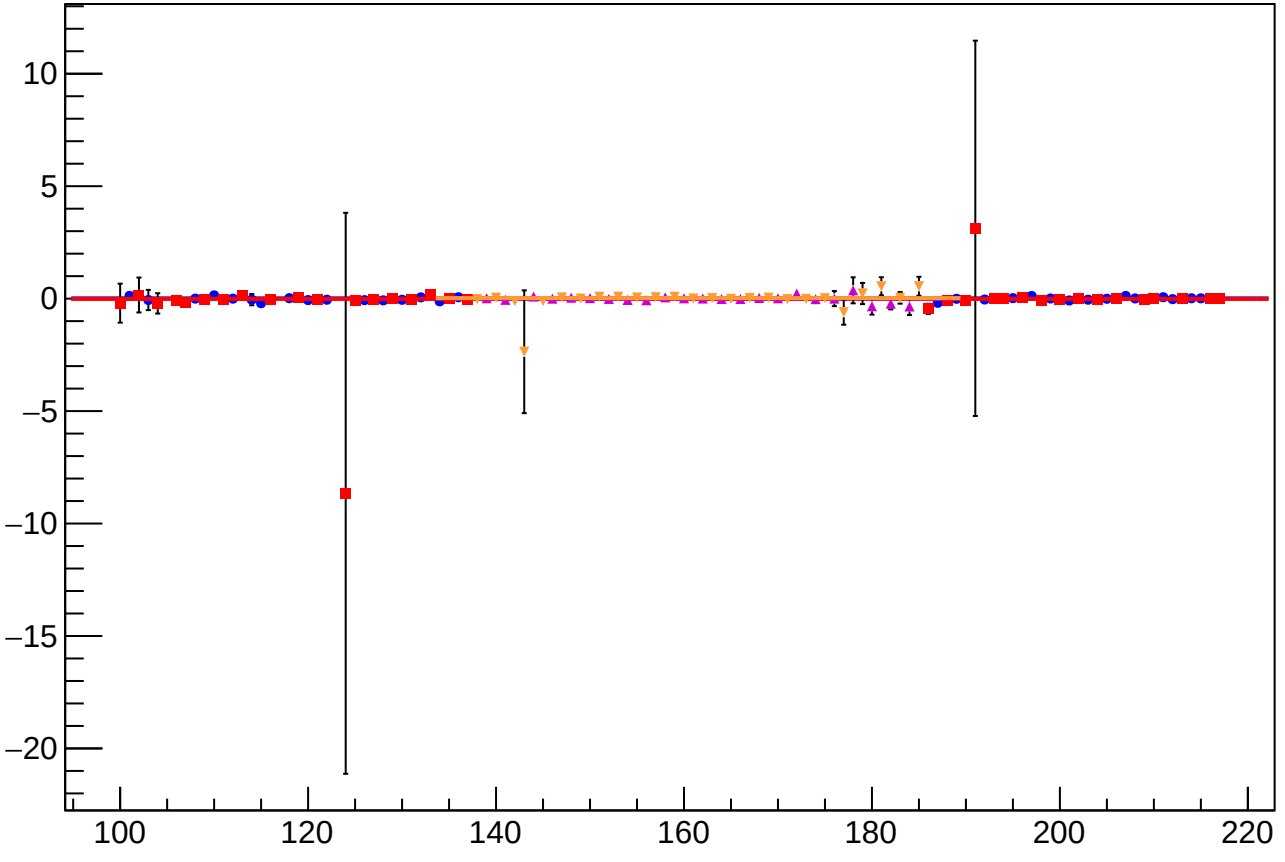
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.636+/-0.005 χ^2/NDF: 15166812.2/55

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/30

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.009 χ^2/NDF: 24.5/35

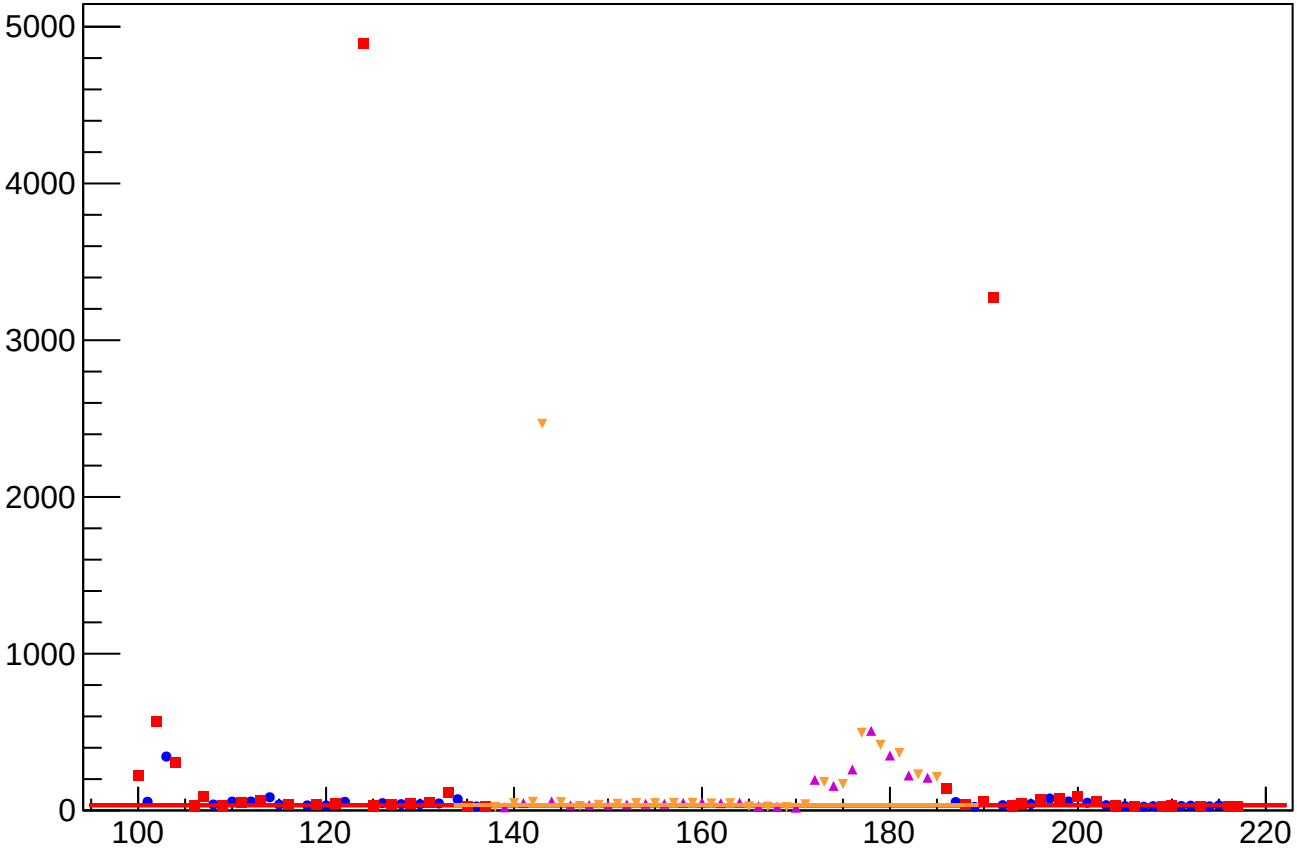
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/55

All: 0.007+/-0.005 χ^2/NDF: 114.2/114

- sign -0.002+/-0.007 χ^2/NDF: 41.7/58

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 32.931+/-0.006 χ^2/NDF: 3732212.7/30

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

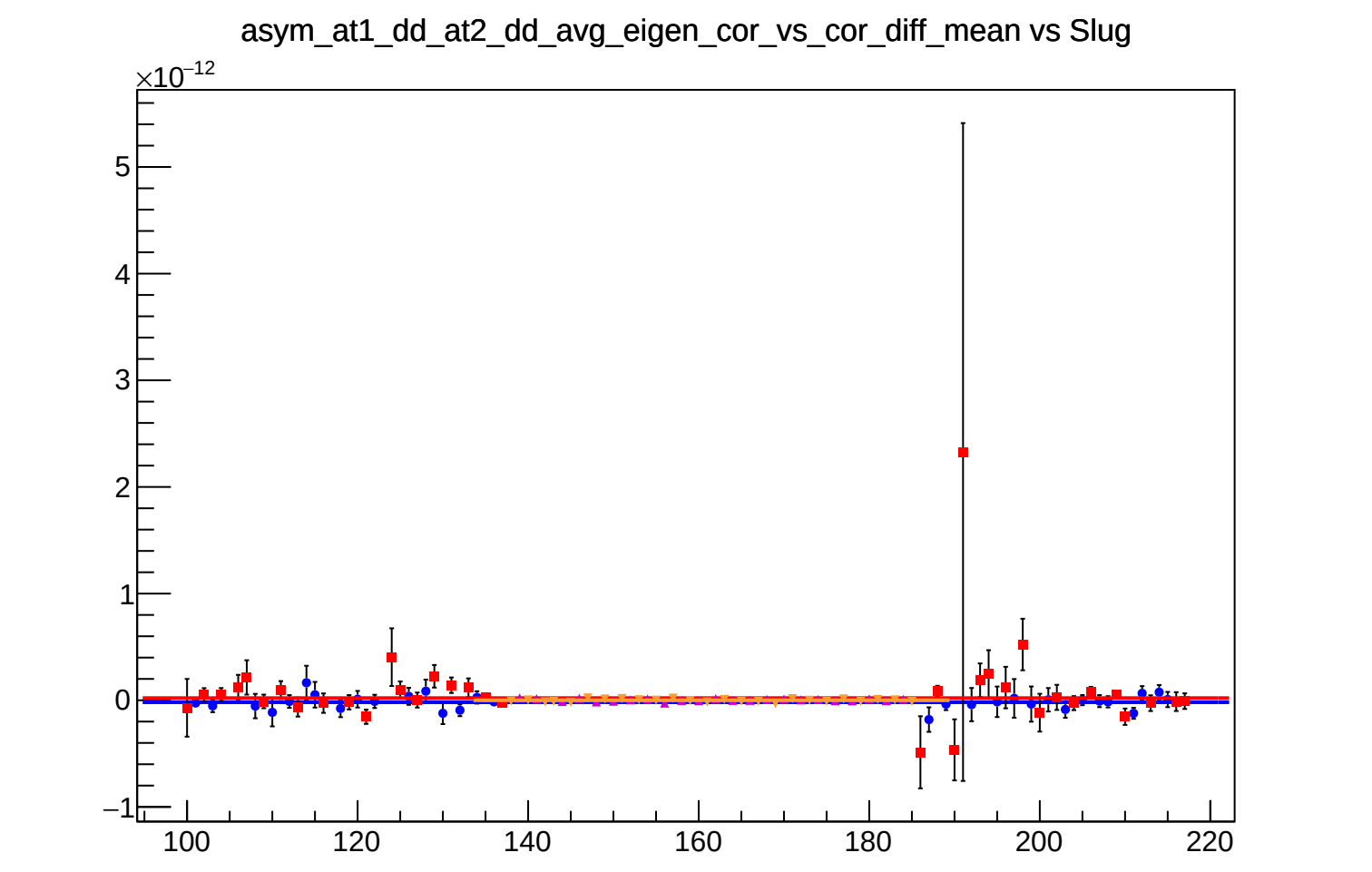
Right Out: 33.279+/-0.006 χ^2/NDF: 6794340.6/35

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.636+/-0.005 χ^2/NDF: 15166812.2/55

All: 33.527+/-0.003 χ^2/NDF: 32029587.7/114

- sign 33.417+/-0.005 χ^2/NDF: 16861668.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

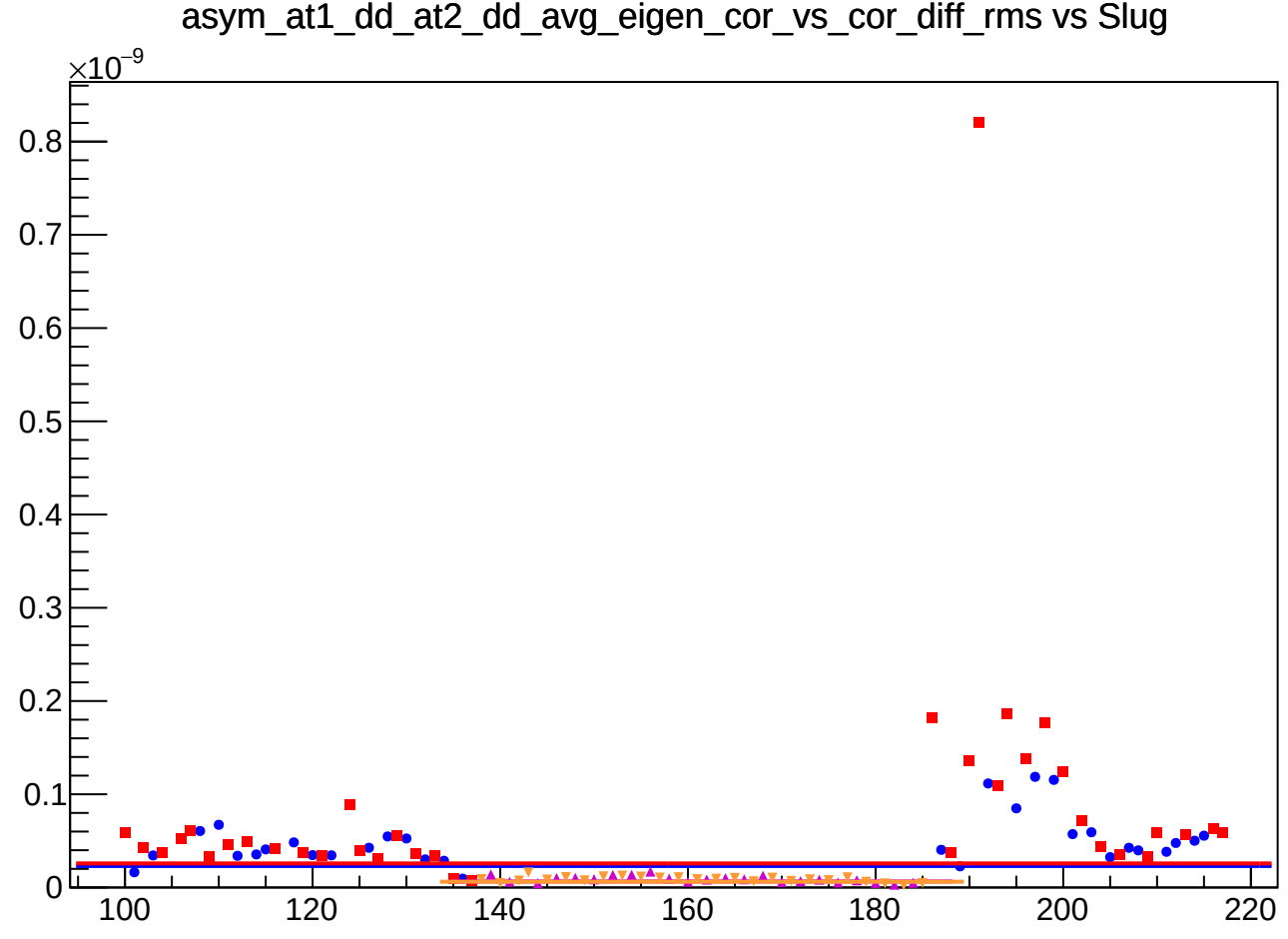
Right Out: 0.000+/-0.000 χ^2/NDF: 50.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/55

All: 0.000+/-0.000 χ^2/NDF: 126.1/114

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8535778.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11271684.6/35

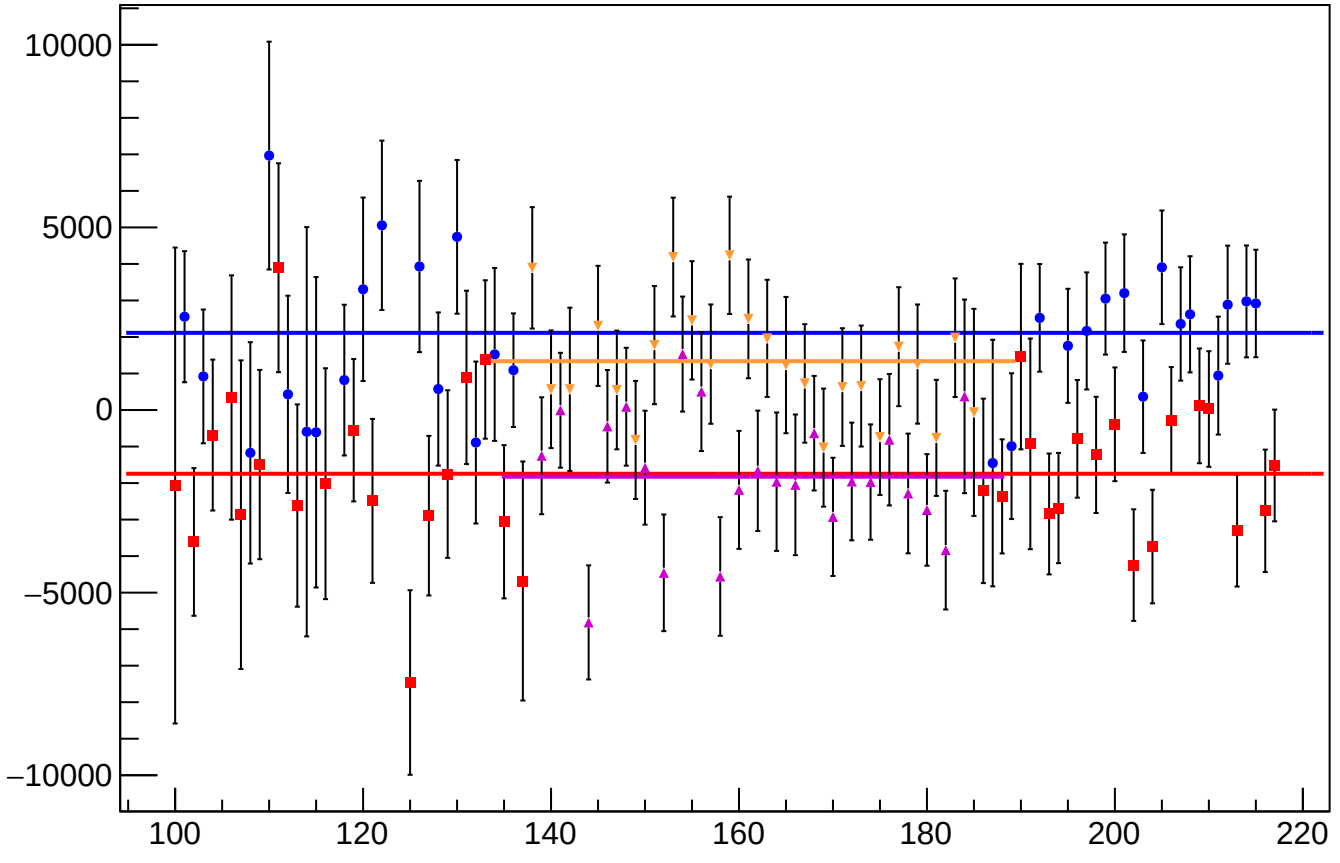
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 20722197.1/55

All: 0.000+/-0.000 χ^2/NDF: 43731684.8/114

- sign 0.000+/-0.000 χ^2/NDF: 22983801.1/58

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2113.727+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1744.908+/-332.499 χ^2/NDF: 29.3/34

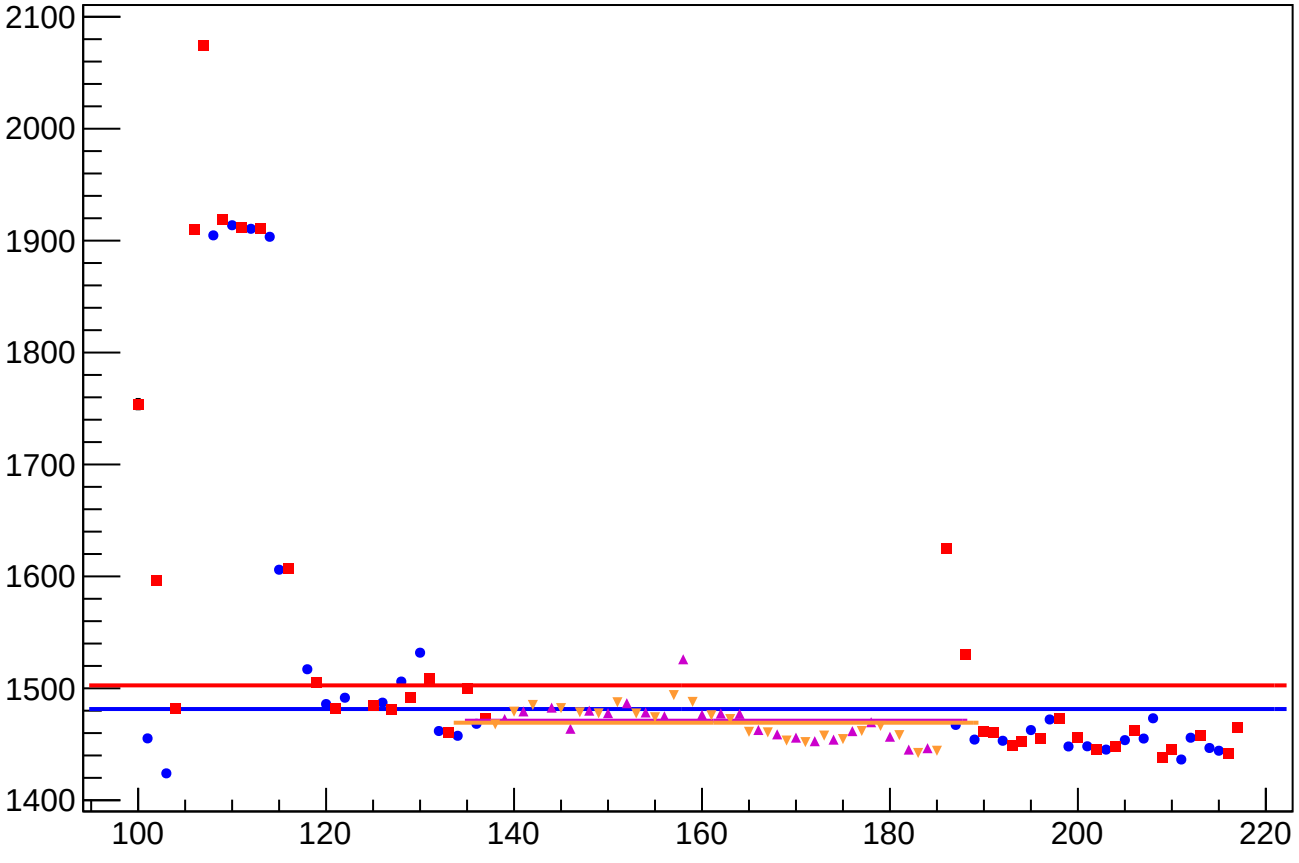
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1729.013+/-239.998 χ^2/NDF: 42.8/54

All: -35.752+/-169.315 χ^2/NDF: 206.2/112

- sign -1784.426+/-238.901 χ^2/NDF: 55.8/57

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

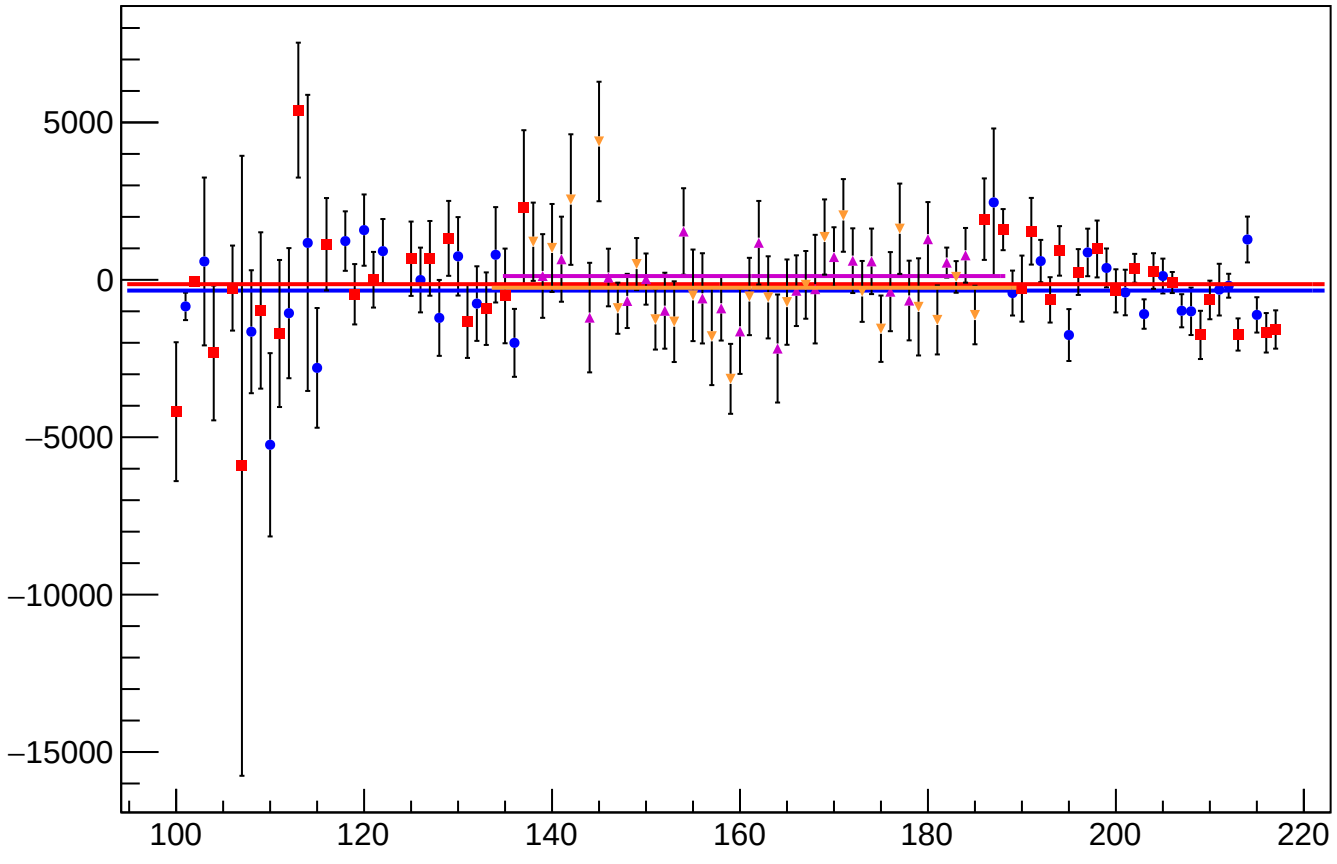
Right Out: 1502.624+/-0.235 χ^2/NDF: 246614.6/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.436+/-0.170 χ^2/NDF: 160484.0/54

All: 1481.421+/-0.120 χ^2/NDF: 422939.8/112

- sign 1487.352+/-0.169 χ^2/NDF: 259979.4/57



Right In: -341.041+/-138.252 χ^2/NDF: 41.0/30

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -137.925+/-97.550 χ^2/NDF: 62.8/34

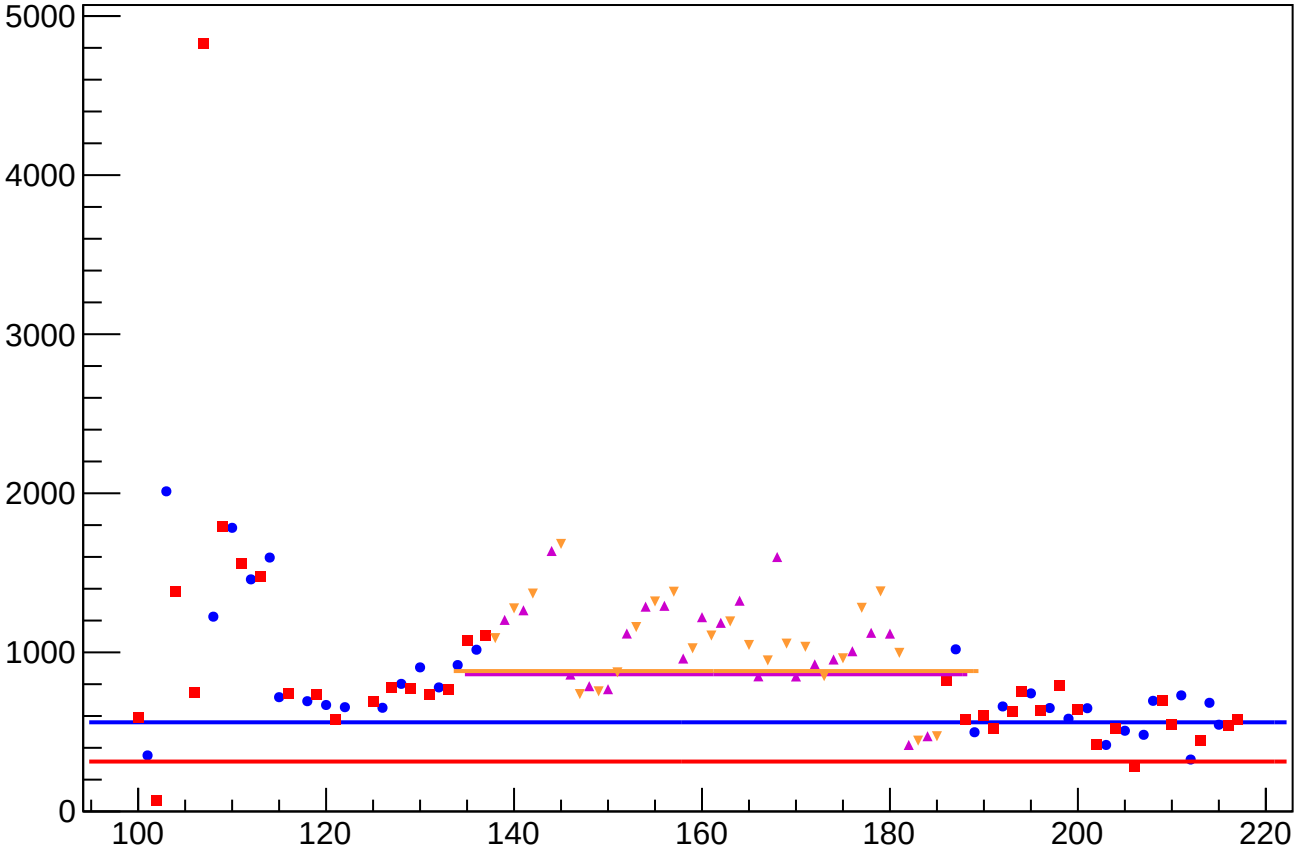
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -315.452+/-116.809 χ^2/NDF: 73.8/54

All: -175.388+/-70.743 χ^2/NDF: 152.9/112

\- sign -94.255+/-88.902 χ^2/NDF: 76.8/57

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 560.419+/-0.098 χ^2/NDF: 4497126.7/30

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 313.684+/-0.069 χ^2/NDF: 17371207.5/34

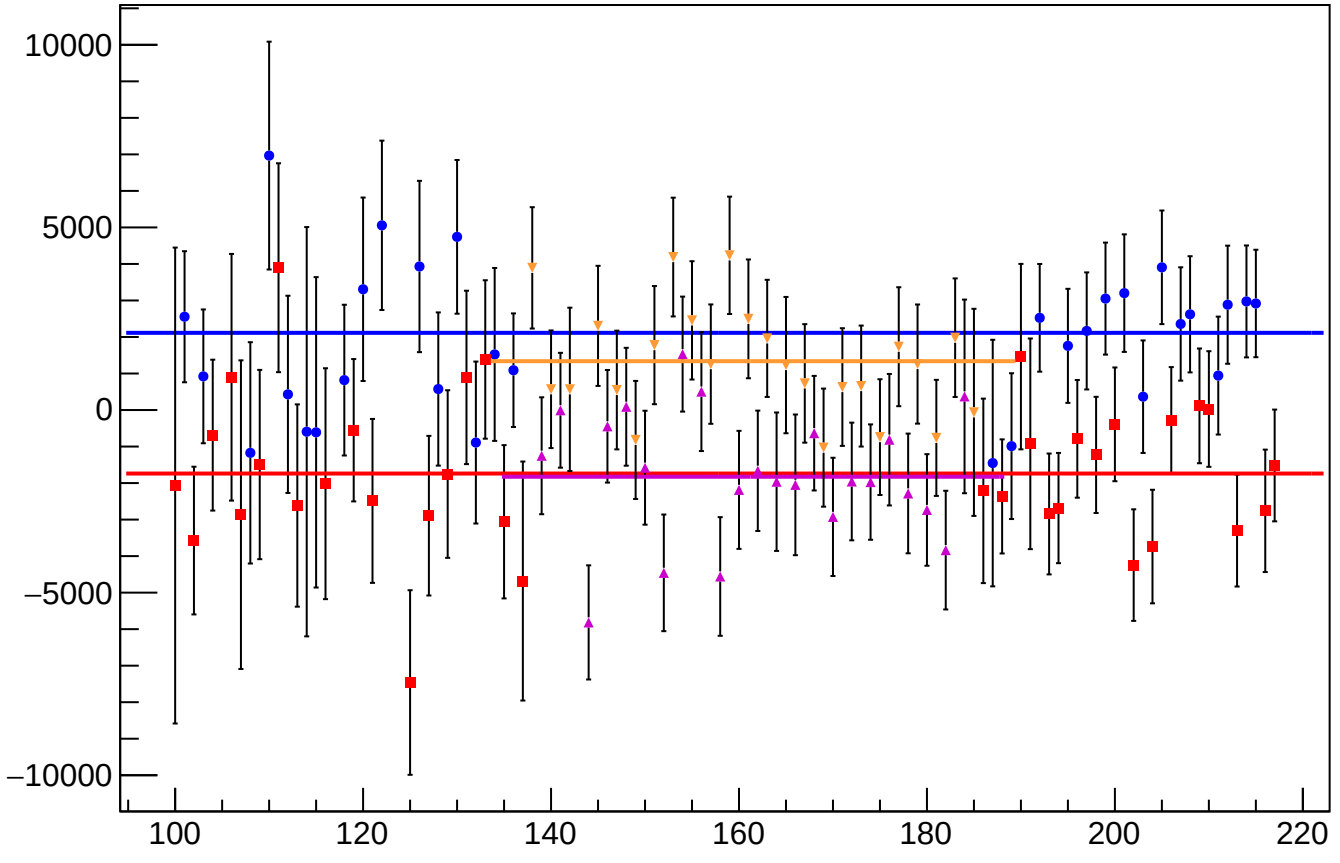
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 652.558+/-0.083 χ^2/NDF: 11502989.5/54

All: 496.841+/-0.050 χ^2/NDF: 49574992.3/11

- sign 406.641+/-0.063 χ^2/NDF: 32458956.7/57

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.872+/-332.532 χ^2/NDF: 29.5/34

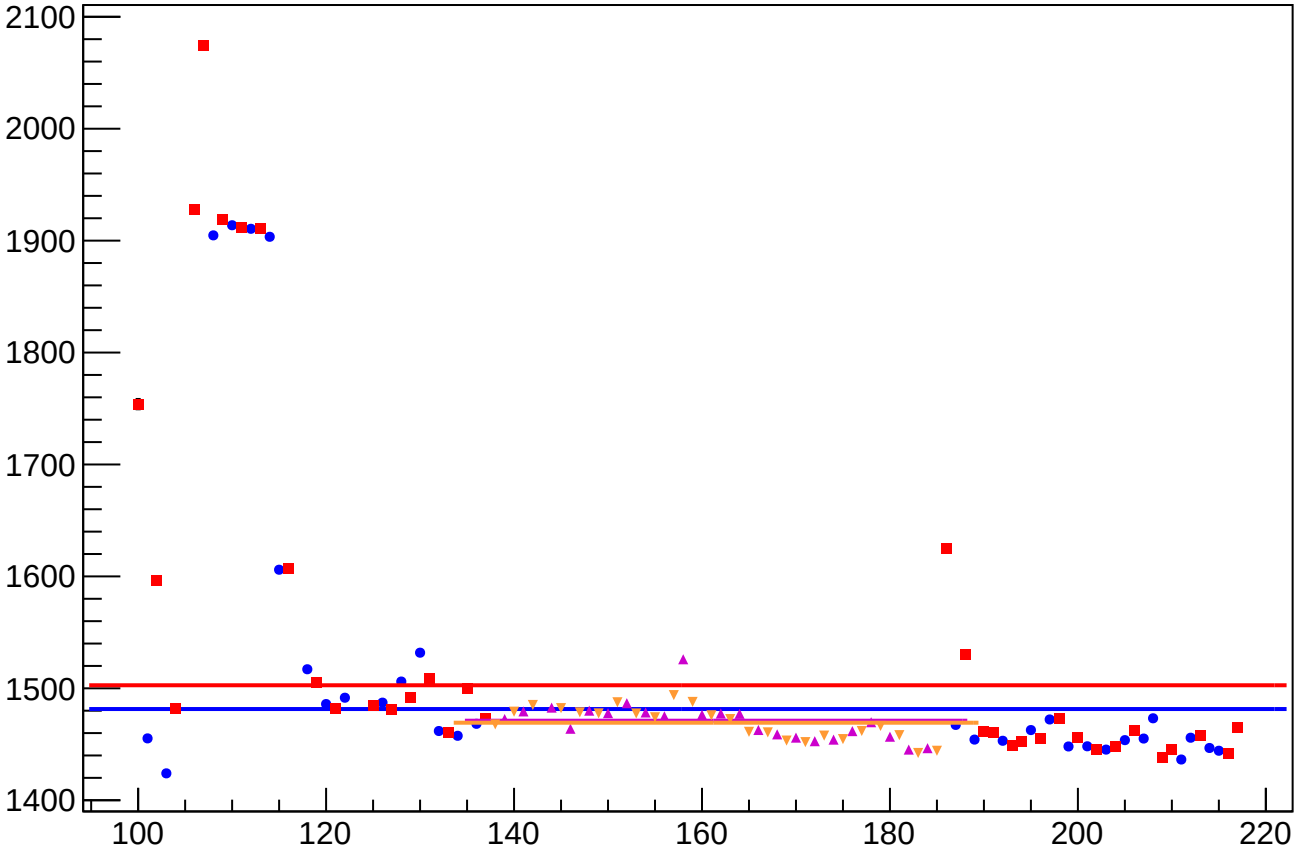
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1729.055+/-239.998 χ^2/NDF: 42.8/54

All: -34.090+/-169.319 χ^2/NDF: 206.2/112

- sign -1781.336+/-238.913 χ^2/NDF: 56.0/57

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

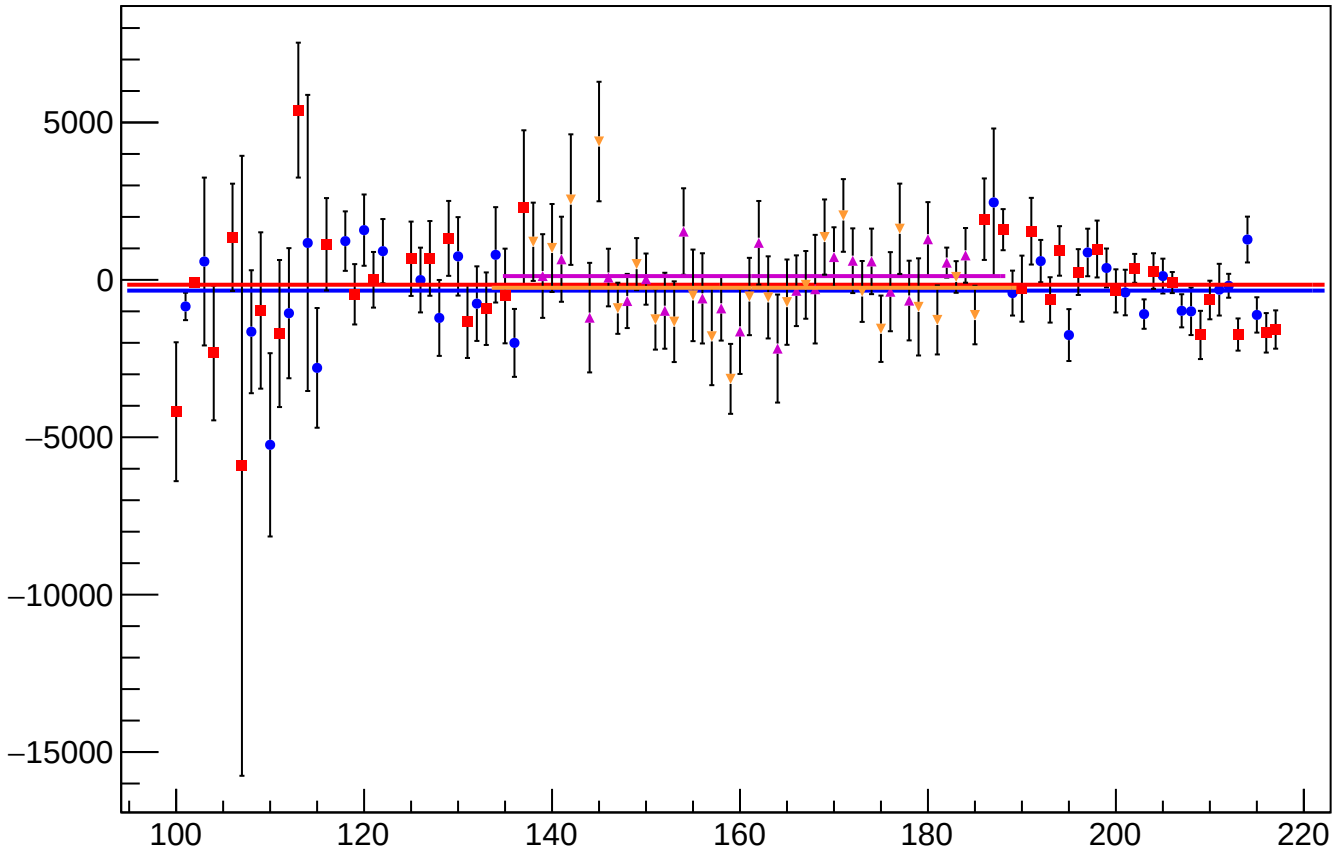
Right Out: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.436+/-0.170 χ^2/NDF: 160484.0/54

All: 1481.448+/-0.120 χ^2/NDF: 425149.0/112

- sign 1487.405+/-0.169 χ^2/NDF: 262166.5/57



Right In: -341.053+/-138.249 χ^2/NDF: 41.0/30

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -154.287+/-101.973 χ^2/NDF: 63.3/34

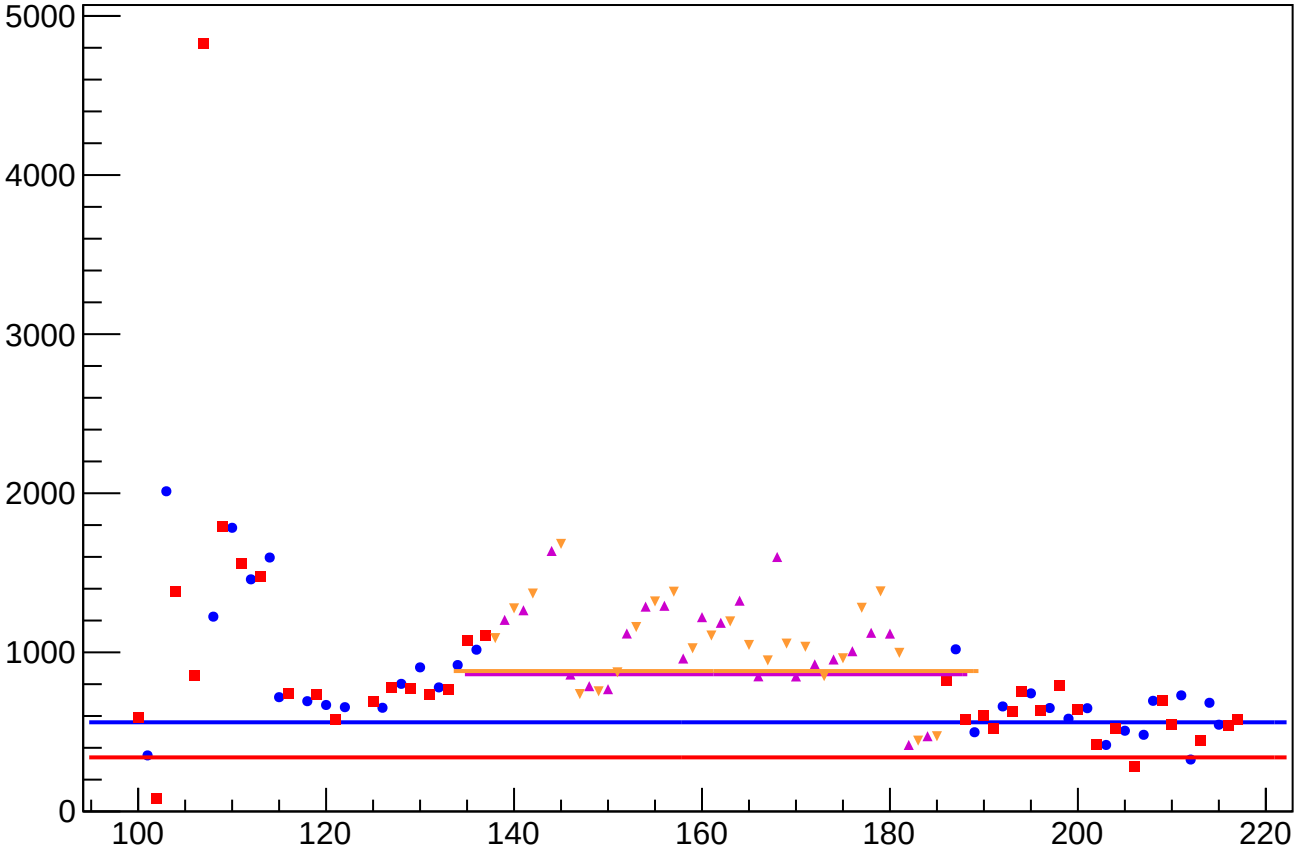
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -315.455+/-116.808 χ^2/NDF: 73.8/54

All: -185.379+/-72.377 χ^2/NDF: 153.3/112

- sign -104.316+/-92.211 χ^2/NDF: 77.4/57

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 560.403+/-0.098 χ^2/NDF: 4497675.8/30

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

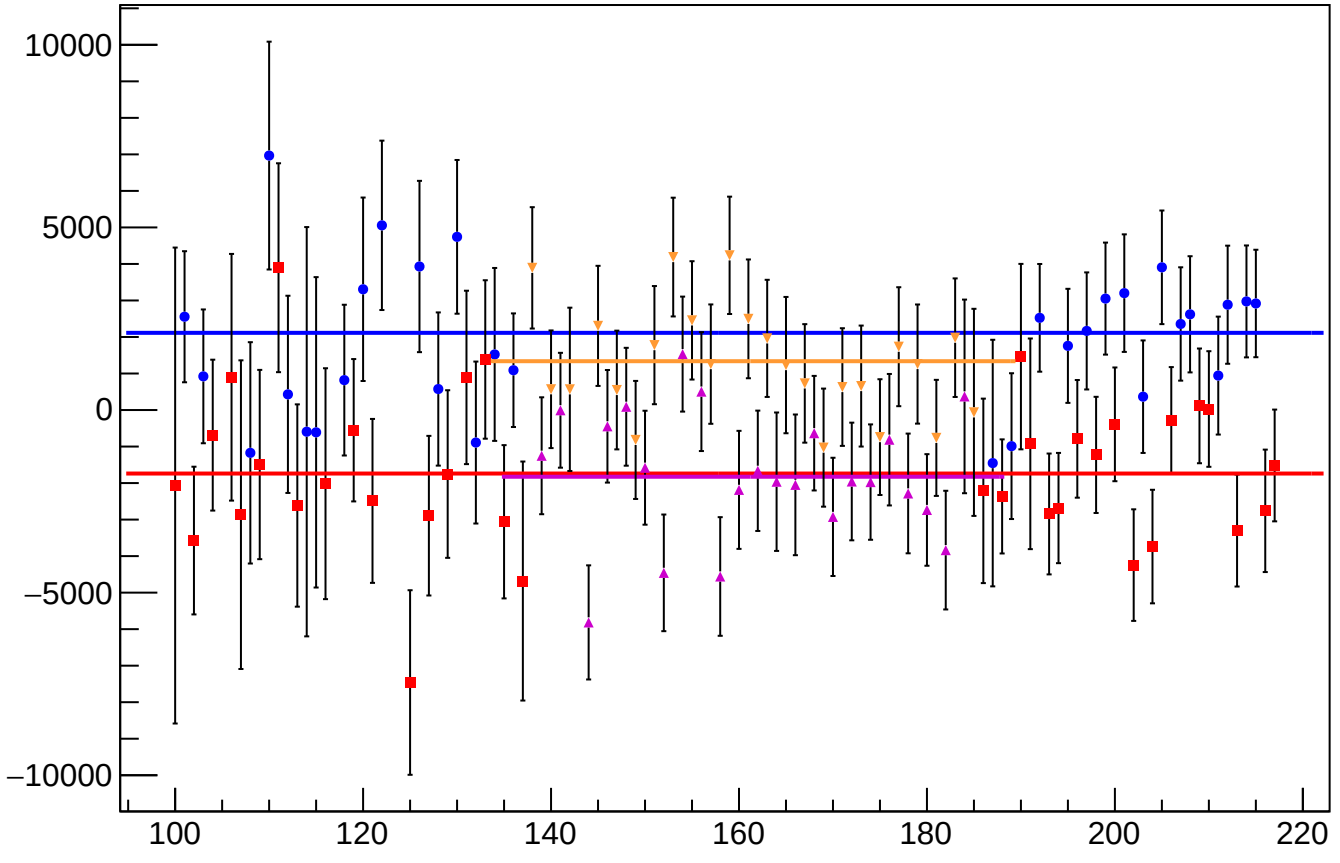
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 652.542+/-0.083 χ^2/NDF: 11504044.7/54

All: 518.589+/-0.051 χ^2/NDF: 45482632.2/11

- sign 435.110+/-0.065 χ^2/NDF: 29709217.4/57

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2113.800+/-337.826 χ^2/NDF: 21.0/30

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.872+/-332.532 χ^2/NDF: 29.5/34

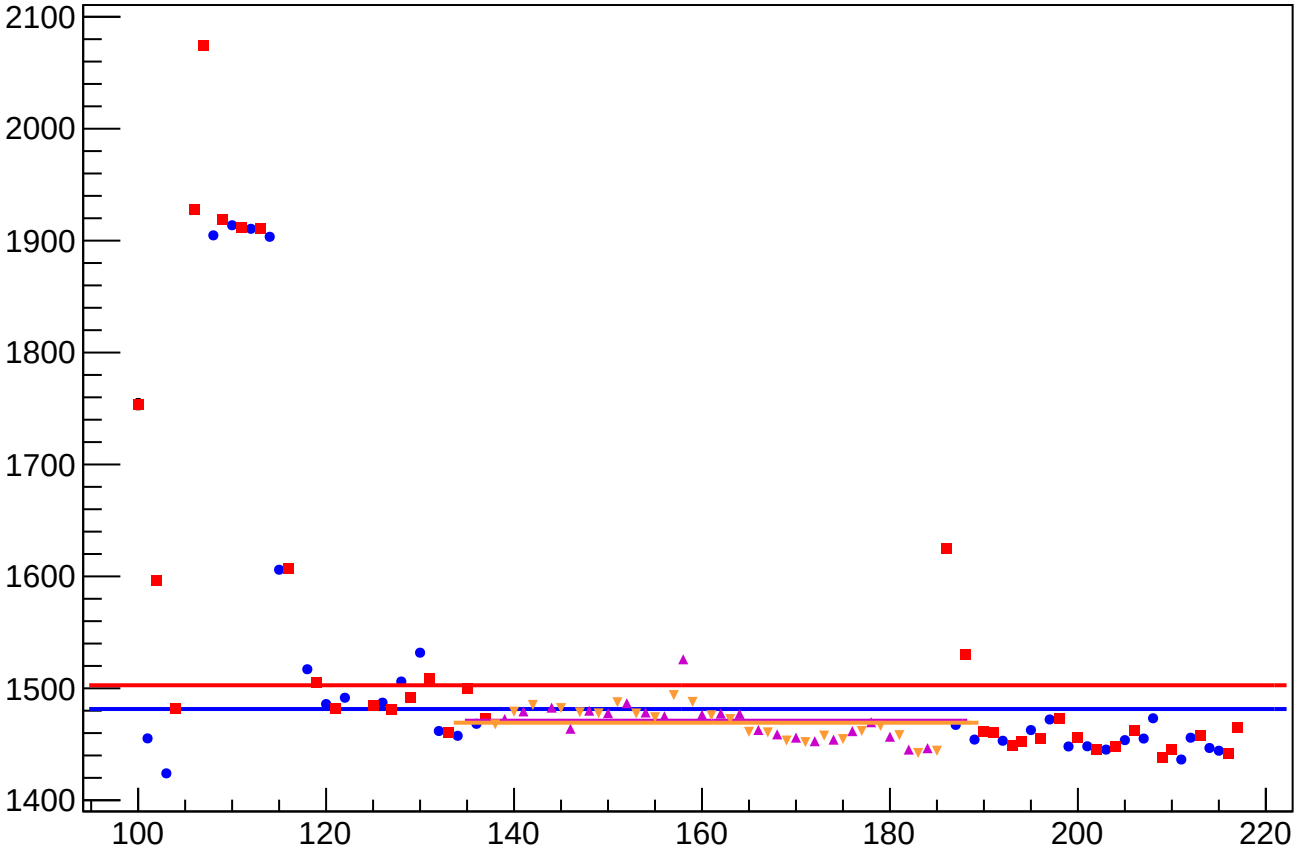
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1729.055+/-239.998 χ^2/NDF: 42.8/54

All: -34.090+/-169.319 χ^2/NDF: 206.2/112

- sign -1781.336+/-238.913 χ^2/NDF: 56.0/57

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1481.490+/-0.239 χ^2/NDF: 156031.7/30

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

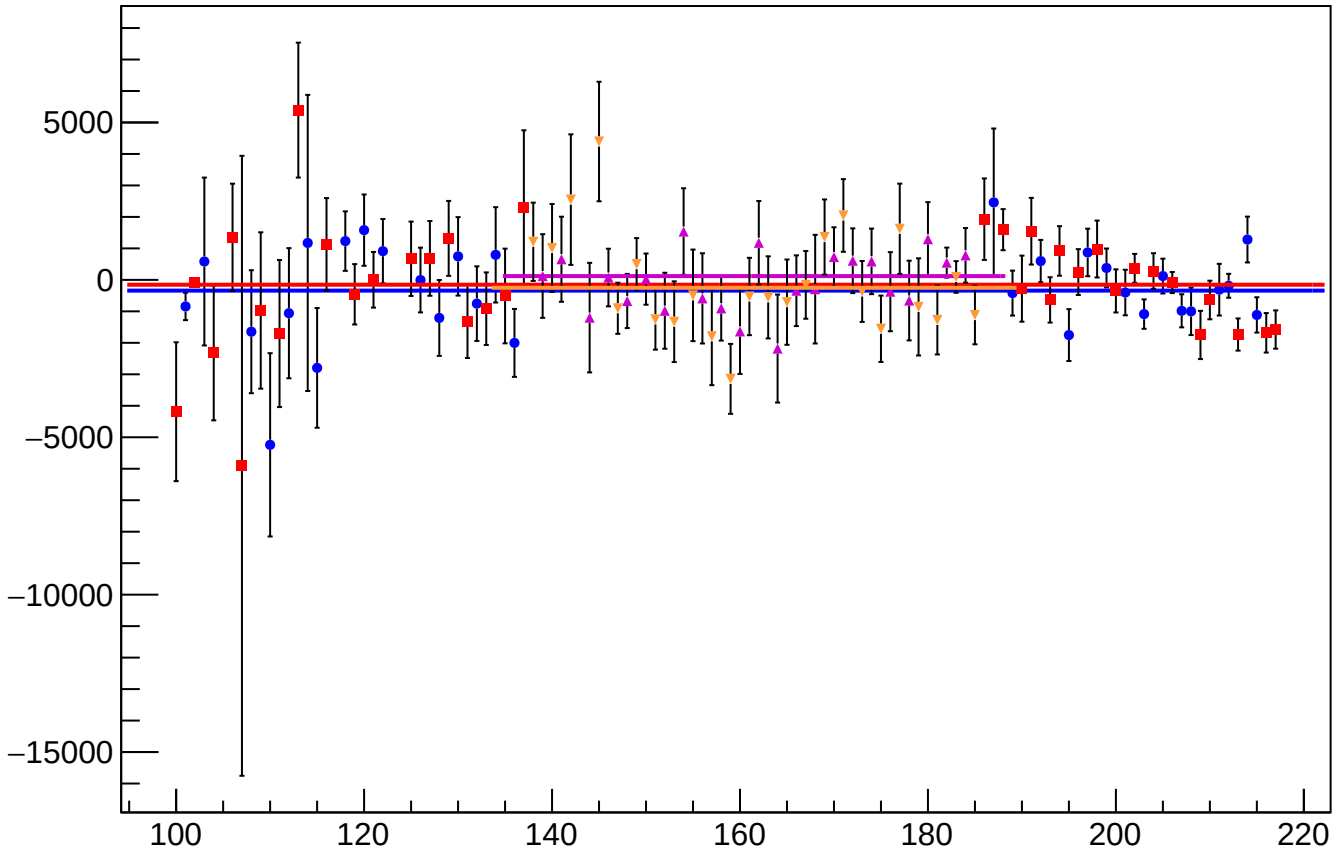
Right Out: 1502.730+/-0.235 χ^2/NDF: 248744.0/34

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1475.436+/-0.170 χ^2/NDF: 160484.0/54

All: 1481.448+/-0.120 χ^2/NDF: 425149.0/112

- sign 1487.405+/-0.169 χ^2/NDF: 262166.5/57



Right In: -341.053+/-138.249 χ^2/NDF: 41.0/30

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -154.287+/-101.973 χ^2/NDF: 63.3/34

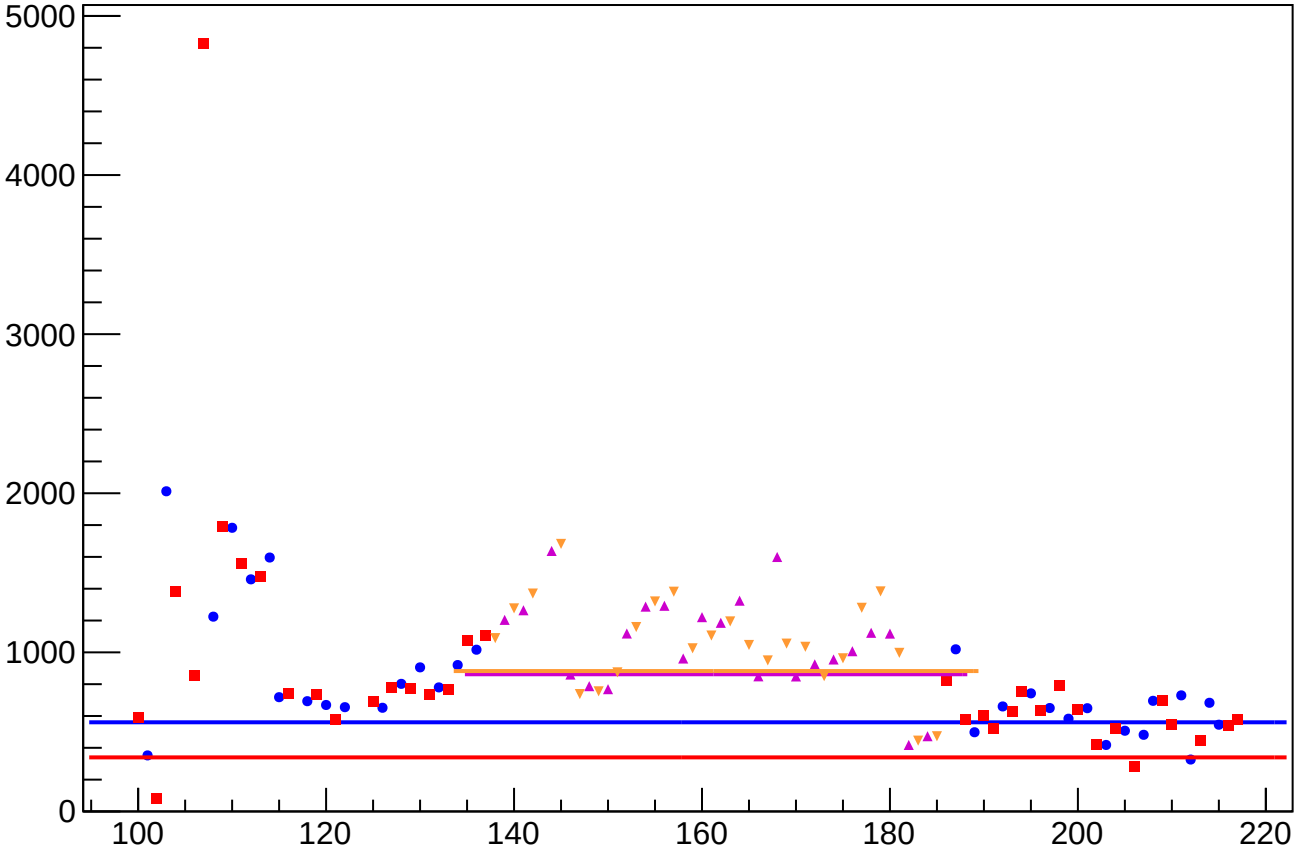
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -315.455+/-116.808 χ^2/NDF: 73.8/54

All: -185.379+/-72.377 χ^2/NDF: 153.3/112

\- sign -104.316+/-92.211 χ^2/NDF: 77.4/57

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 560.403+/-0.098 χ^2/NDF: 4497675.8/30

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

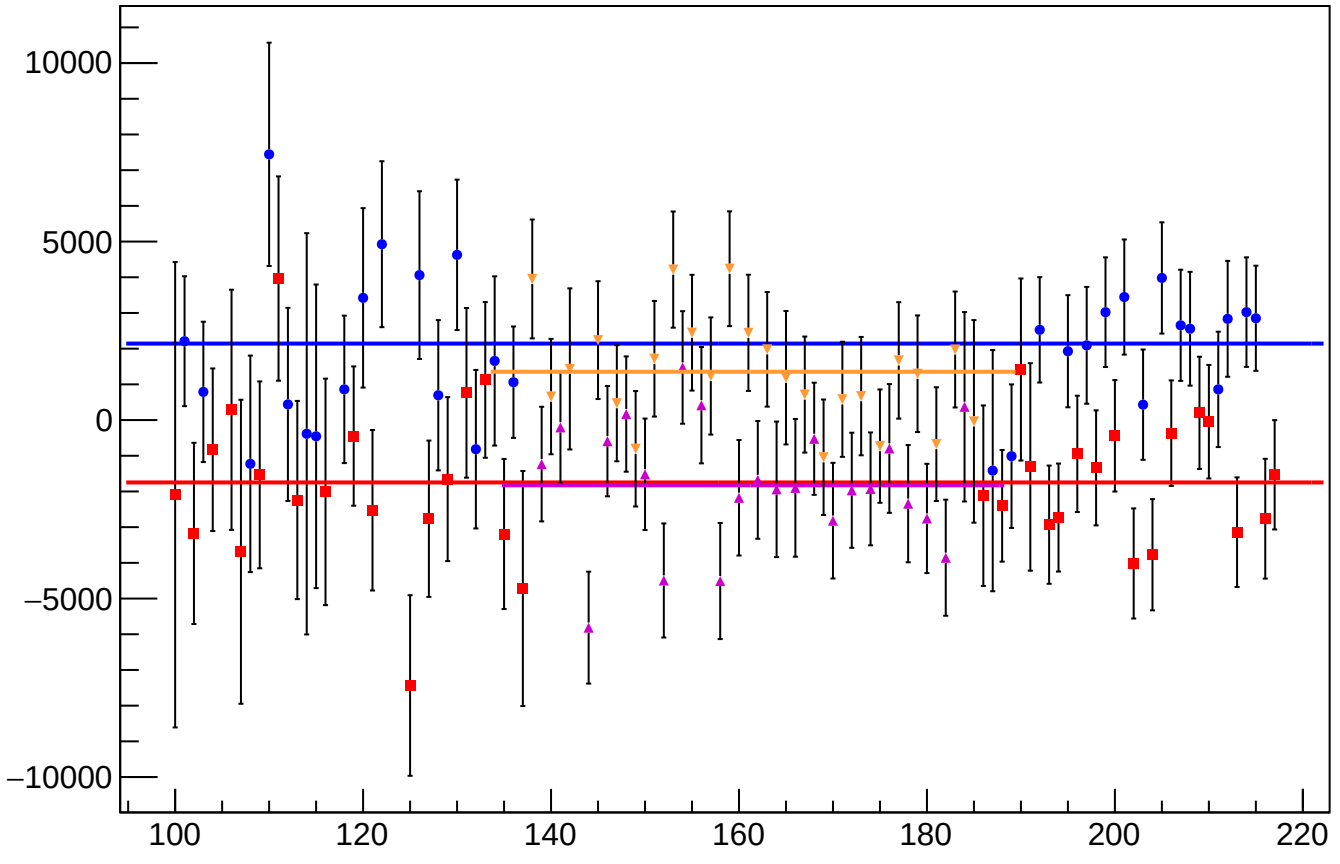
Right Out: 339.878+/-0.072 χ^2/NDF: 15770850.6/34

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 652.542+/-0.083 χ^2/NDF: 11504044.7/54

All: 518.589+/-0.051 χ^2/NDF: 45482632.2/11

- sign 435.110+/-0.065 χ^2/NDF: 29709217.4/57



Right In: 2142.202+/-339.739 χ^2/NDF: 21.3/30

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1747.221+/-336.290 χ^2/NDF: 27.4/34

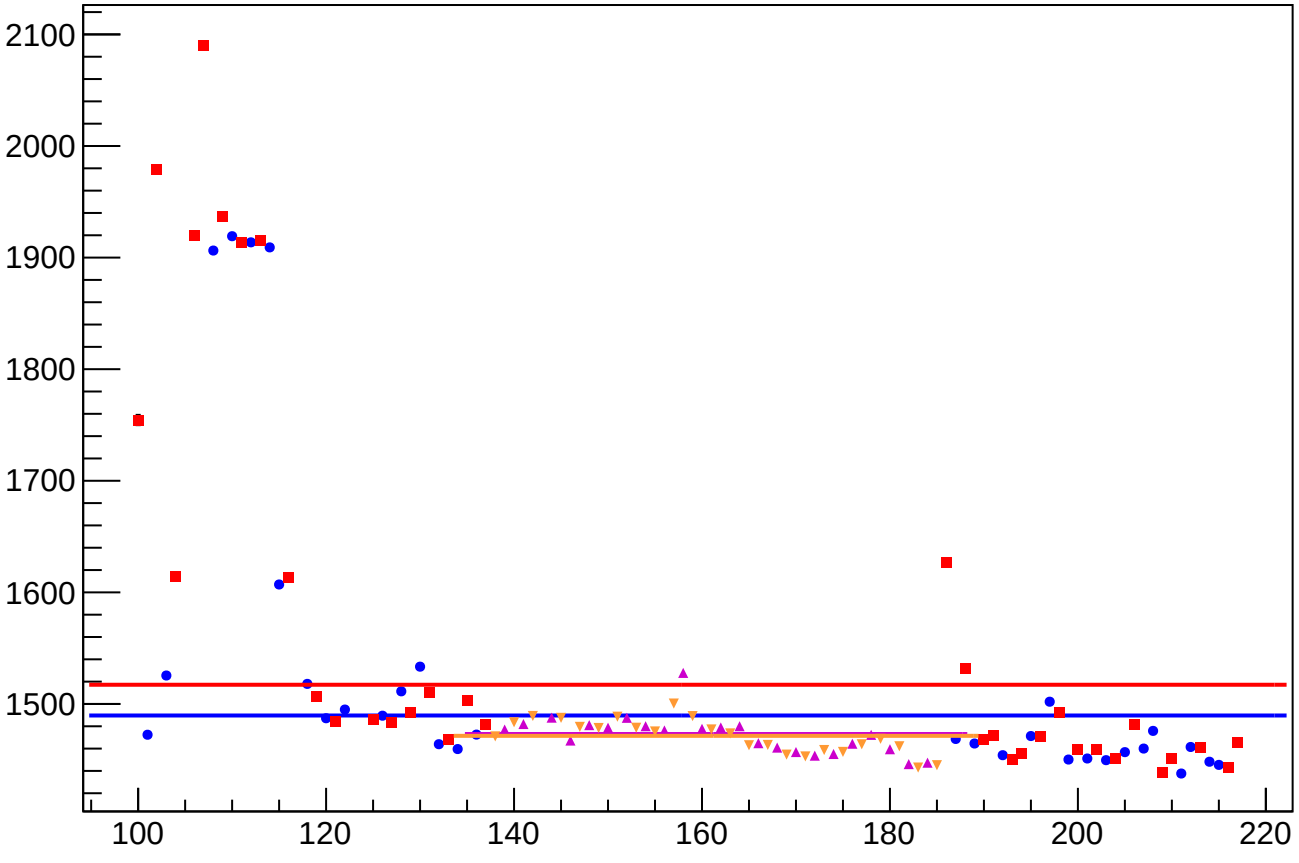
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1750.063+/-240.876 χ^2/NDF: 42.9/54

All: -21.468+/-170.177 χ^2/NDF: 204.1/112

- sign -1786.823+/-240.456 χ^2/NDF: 53.2/57

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.664+/-0.240 χ^2/NDF: 153874.2/30

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1517.212+/-0.238 χ^2/NDF: 314555.5/34

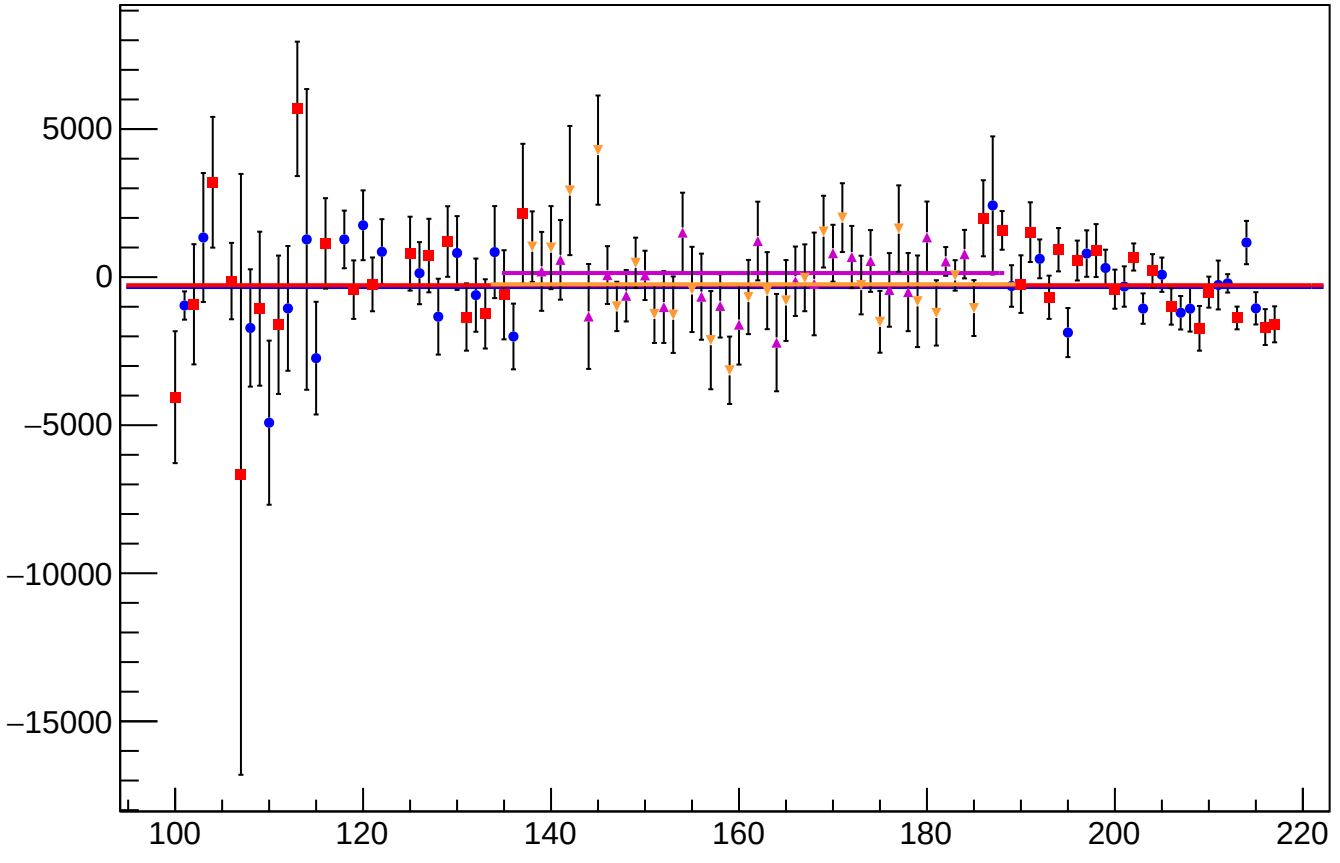
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1480.599+/-0.170 χ^2/NDF: 160173.9/54

All: 1488.127+/-0.120 χ^2/NDF: 500238.4/112

- sign 1495.628+/-0.170 χ^2/NDF: 336165.0/57

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -334.294+/-137.110 χ^2/NDF: 40.9/30

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -272.457+/-139.693 χ^2/NDF: 69.0/34

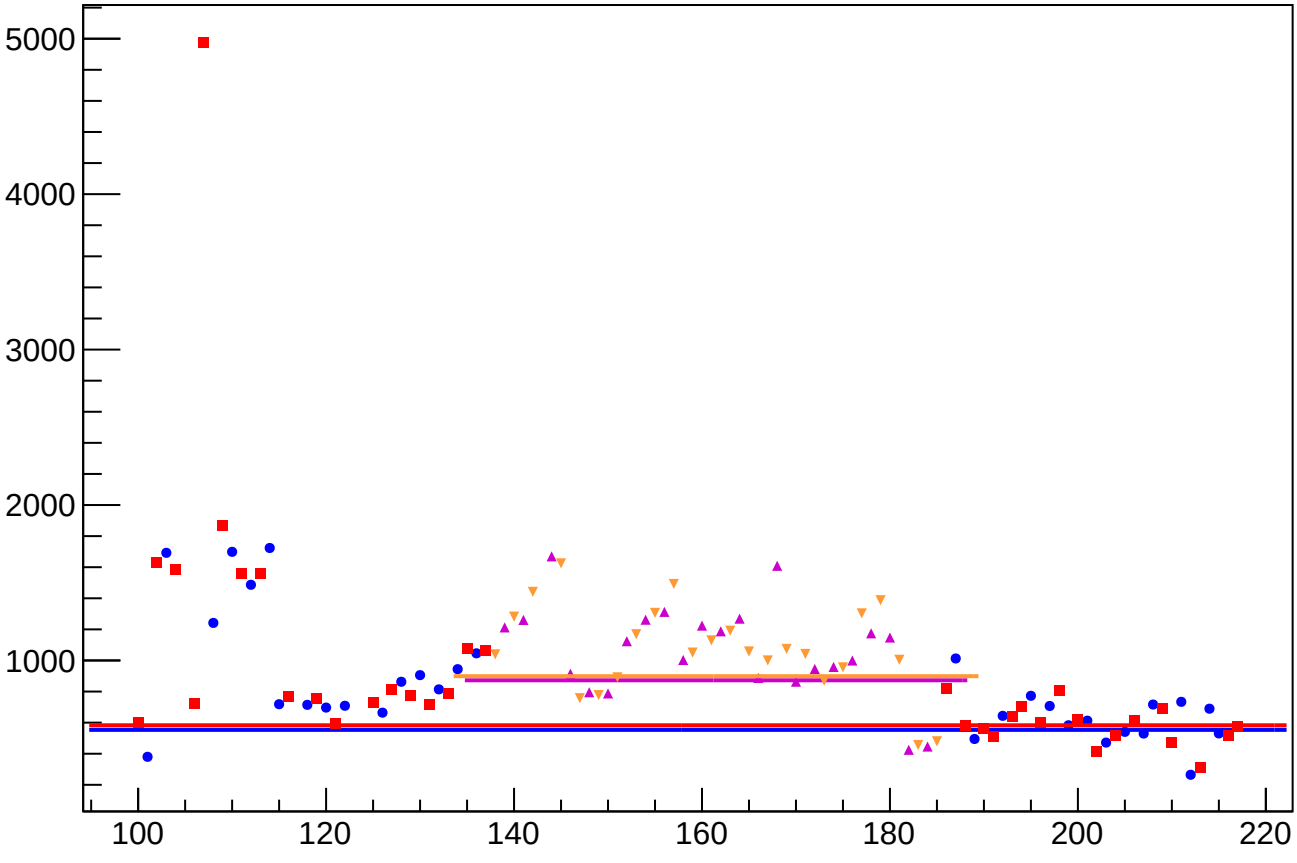
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -308.295+/-116.624 χ^2/NDF: 73.5/54

All: -231.467+/-82.841 χ^2/NDF: 158.9/112

\- sign -153.225+/-117.692 χ^2/NDF: 84.5/57

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 553.586+/-0.097 χ^2/NDF: 5345142.6/30

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 583.039+/-0.099 χ^2/NDF: 4874306.9/34

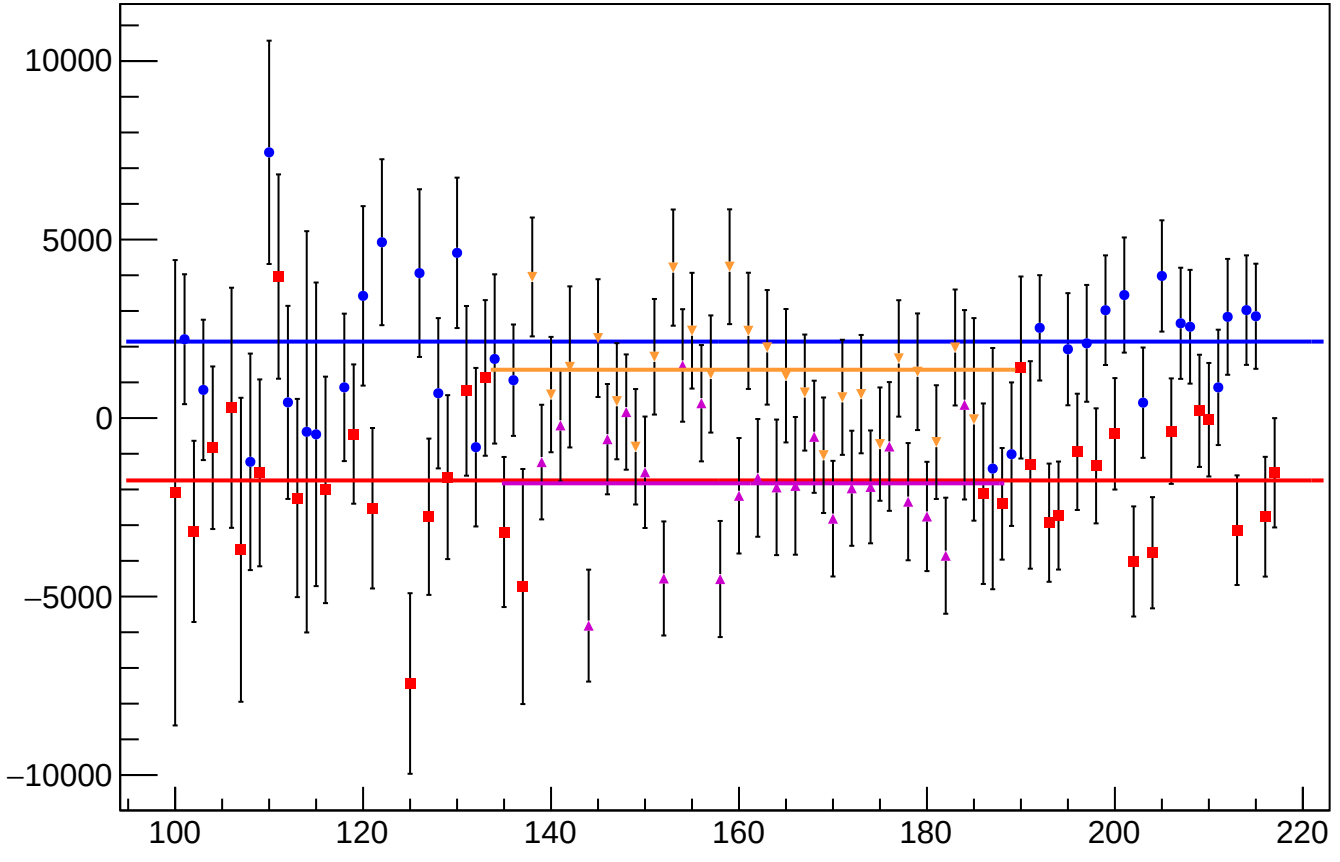
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 649.053+/-0.082 χ^2/NDF: 12643314.4/54

All: 657.959+/-0.059 χ^2/NDF: 24468152.3/11

- sign 667.029+/-0.083 χ^2/NDF: 11801296.6/57

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2142.201+/-339.739 χ^2/NDF: 21.3/30

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1747.220+/-336.290 χ^2/NDF: 27.4/34

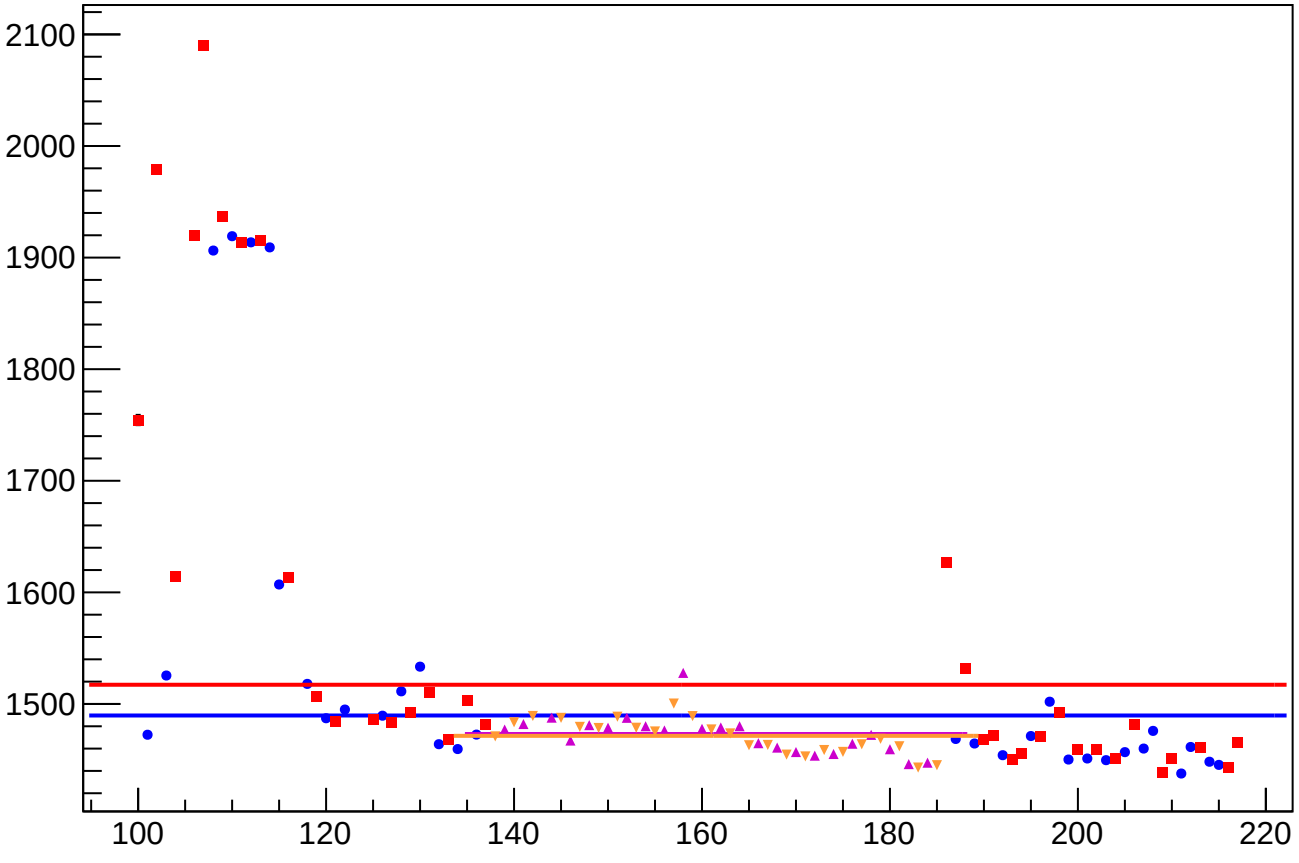
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1750.062+/-240.876 χ^2/NDF: 42.9/54

All: -21.469+/-170.177 χ^2/NDF: 204.1/112

- sign -1786.823+/-240.456 χ^2/NDF: 53.2/57

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1489.664+/-0.240 χ^2/NDF: 153874.1/30

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

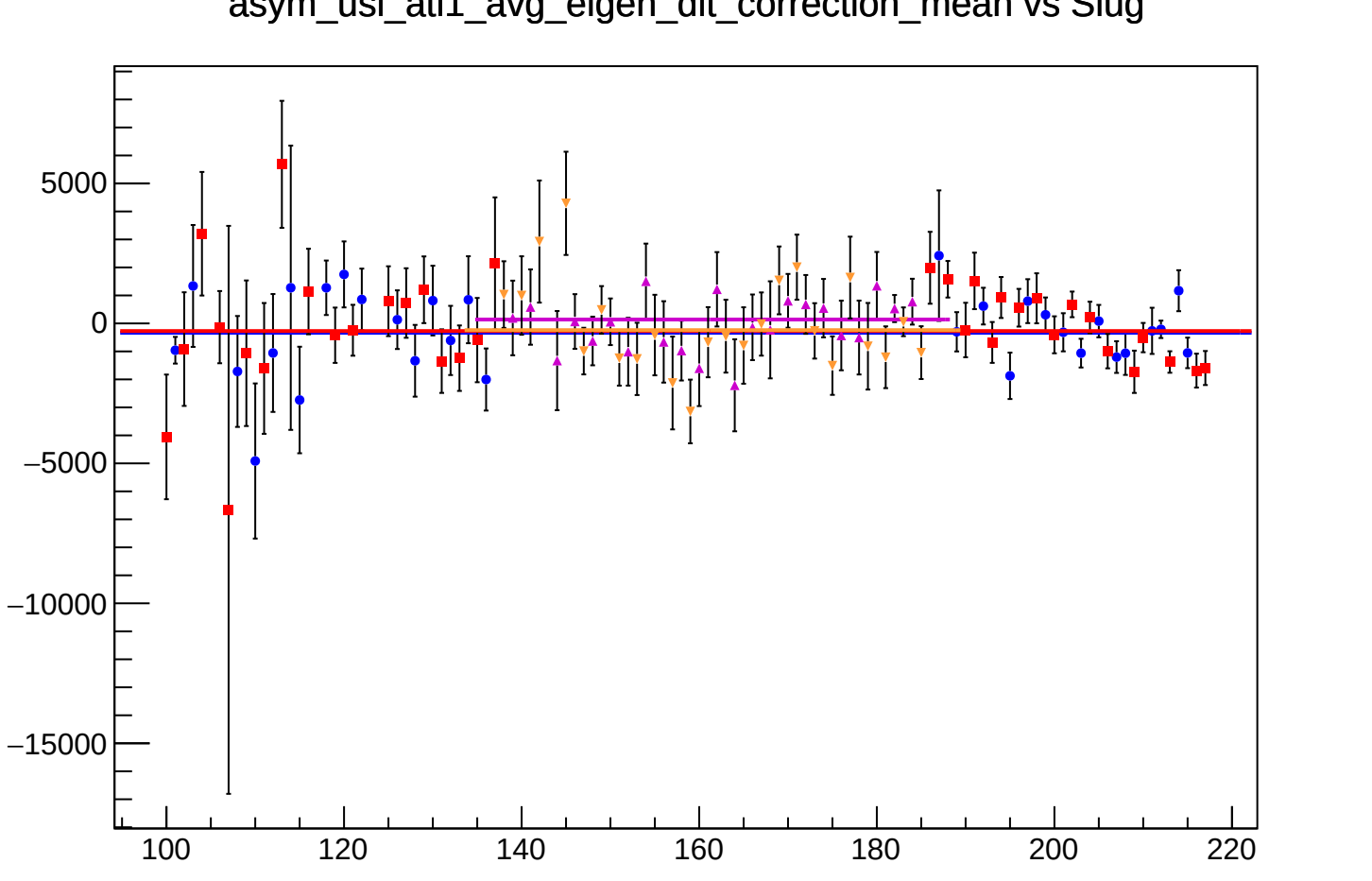
Right Out: 1517.212+/-0.238 χ^2/NDF: 314555.0/34

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1480.599+/-0.170 χ^2/NDF: 160173.7/54

All: 1488.127+/-0.120 χ^2/NDF: 500237.7/112

- sign 1495.628+/-0.170 χ^2/NDF: 336164.4/57



Right In: -334.294+/-137.110 χ^2/NDF: 40.9/30

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

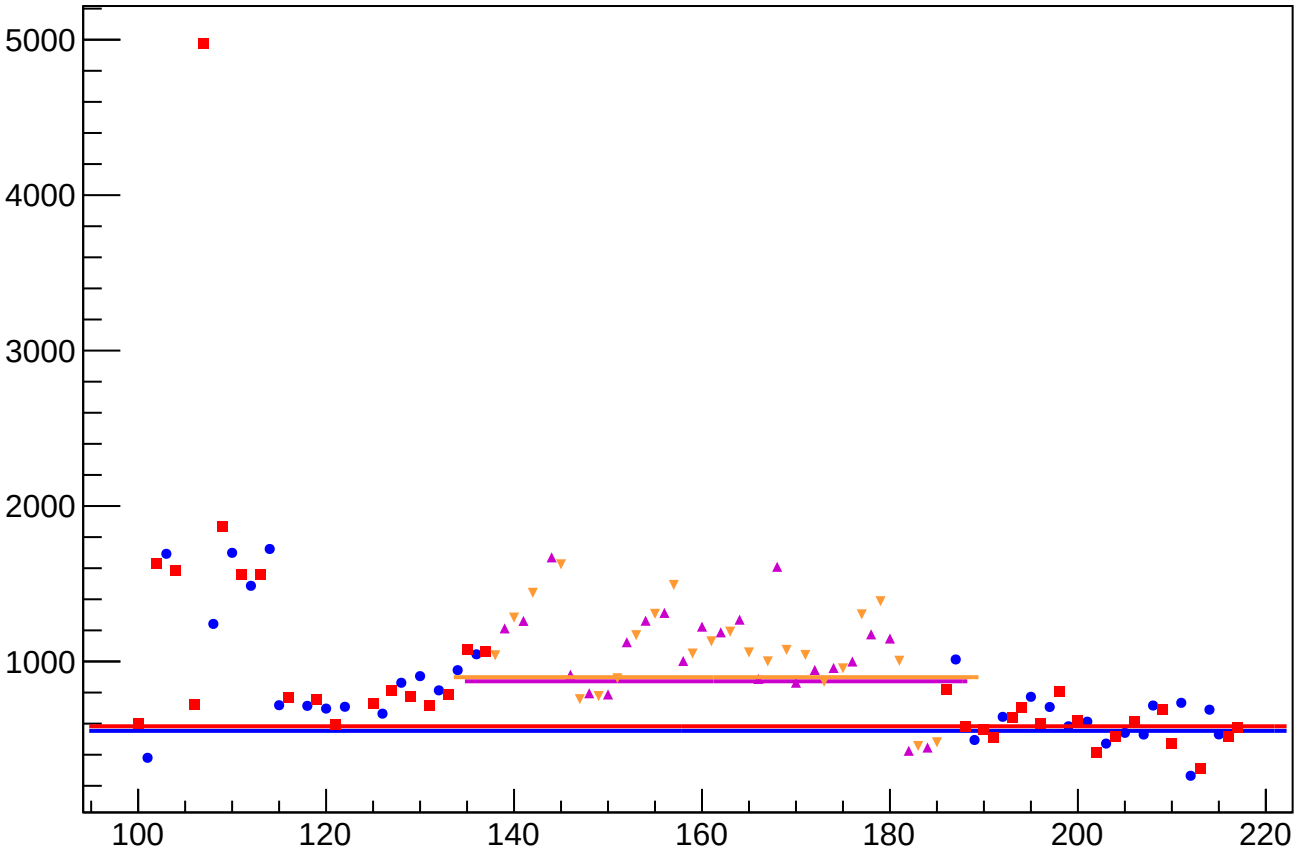
Right Out: -272.457+/-139.693 χ^2/NDF: 69.0/34

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -308.296+/-116.624 χ^2/NDF: 73.5/54

All: -231.467+/-82.841 χ^2/NDF: 158.9/112

\- sign -153.225+/-117.692 χ^2/NDF: 84.5/57



Right In: 553.586+/-0.097 χ^2/NDF: 5345138.6/30

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 583.039+/-0.099 χ^2/NDF: 4874303.9/34

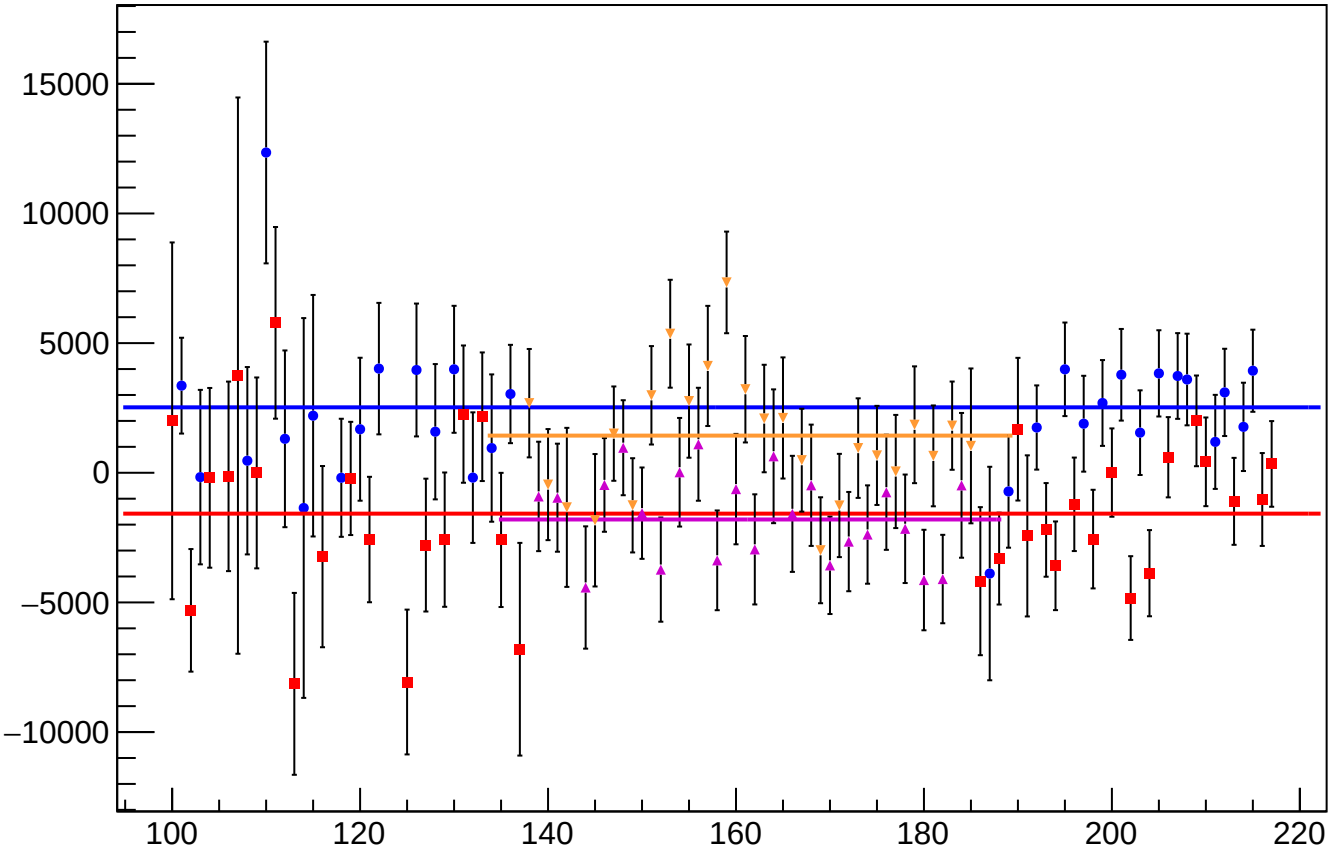
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 649.053+/-0.082 χ^2/NDF: 12643326.5/54

All: 657.959+/-0.059 χ^2/NDF: 24468174.3/11

- sign 667.029+/-0.083 χ^2/NDF: 11801306.0/57

asym_usl_atl1_avg_mean vs Slug



Right In: 2523.576+/-379.907 χ^2/NDF: 20.8/30

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1576.302+/-374.700 χ^2/NDF: 44.6/34

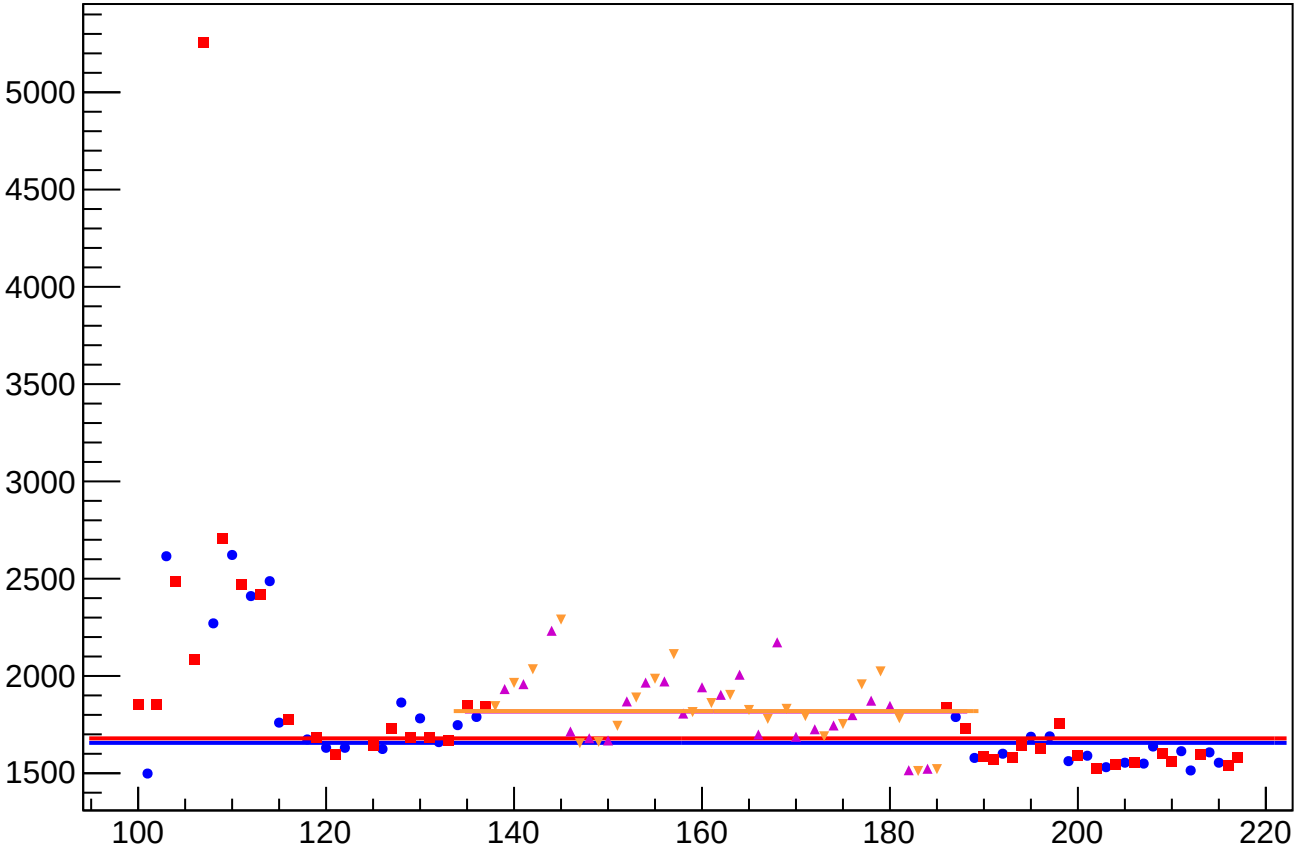
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 2038.656+/-283.082 χ^2/NDF: 53.8/54

All: 171.650+/-199.604 χ^2/NDF: 200.4/112

- sign -1674.425+/-281.490 χ^2/NDF: 60.1/57

asym_usl_atl1_avg_rms vs Slug



Right In: 1656.167+/-0.269 χ^2/NDF: 562965.2/30

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1679.234+/-0.265 χ^2/NDF: 831770.2/34

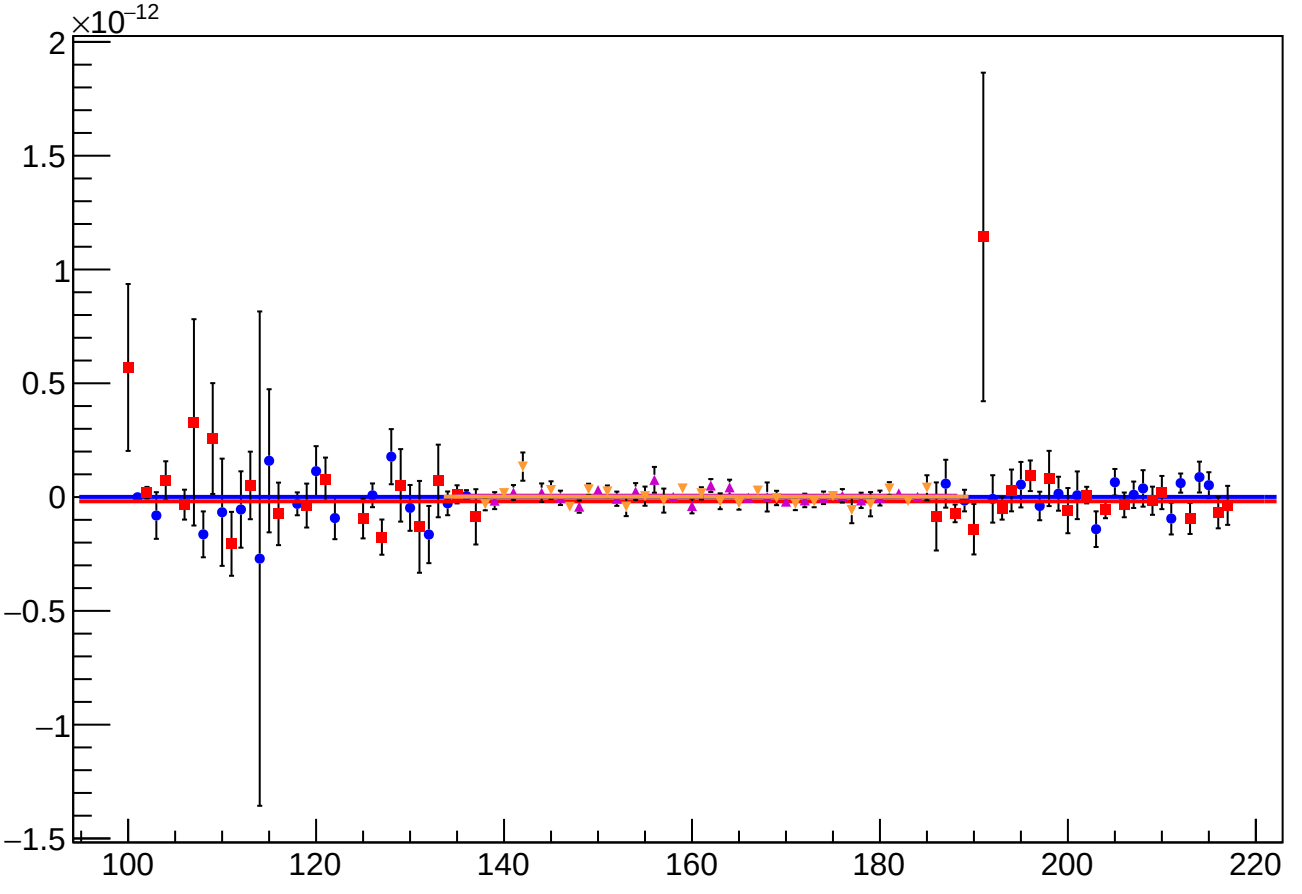
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1728.777+/-0.200 χ^2/NDF: 1022237.3/54

All: 1734.074+/-0.141 χ^2/NDF: 2280525.7/11

- sign 1739.311+/-0.199 χ^2/NDF: 1256895.6/57

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

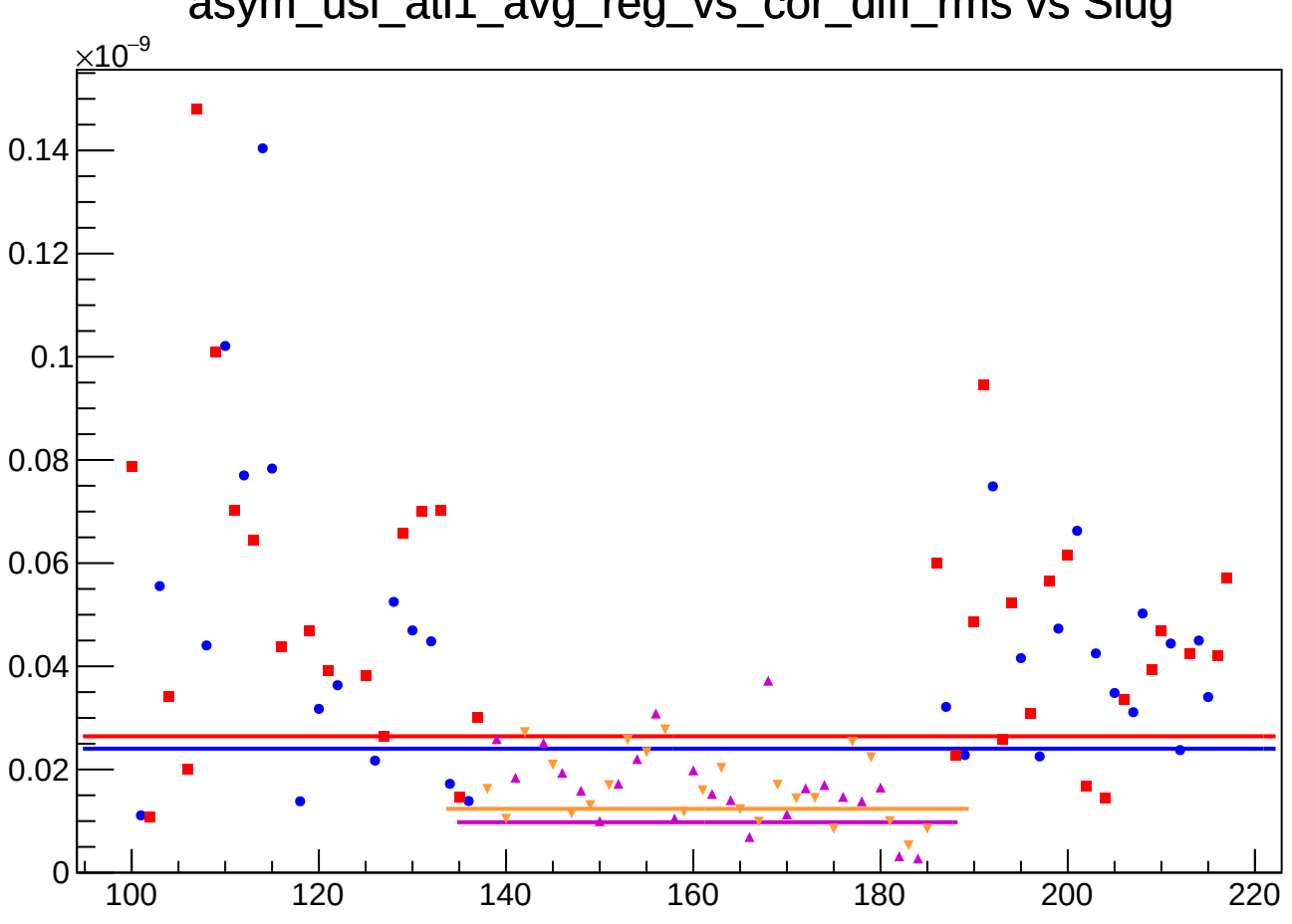
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/54

All: 0.000+/-0.000 χ^2/NDF: 106.0/112

- sign 0.000+/-0.000 χ^2/NDF: 53.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 4263969.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

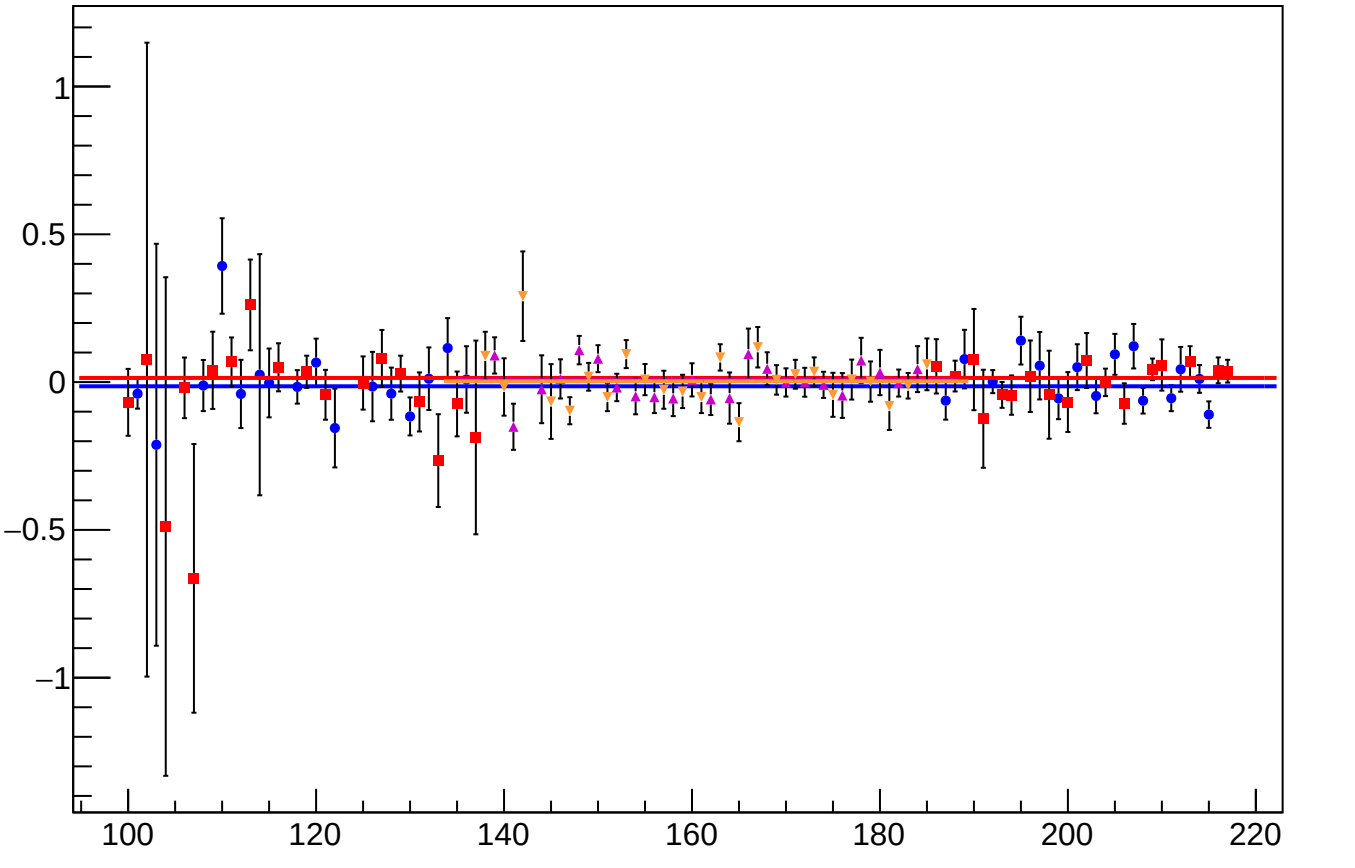
Right Out: 0.000+/-0.000 χ^2/NDF: 4090186.3/34

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8160798.2/54

All: 0.000+/-0.000 χ^2/NDF: 20844853.6/112

- sign 0.000+/-0.000 χ^2/NDF: 12358999.2/57



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

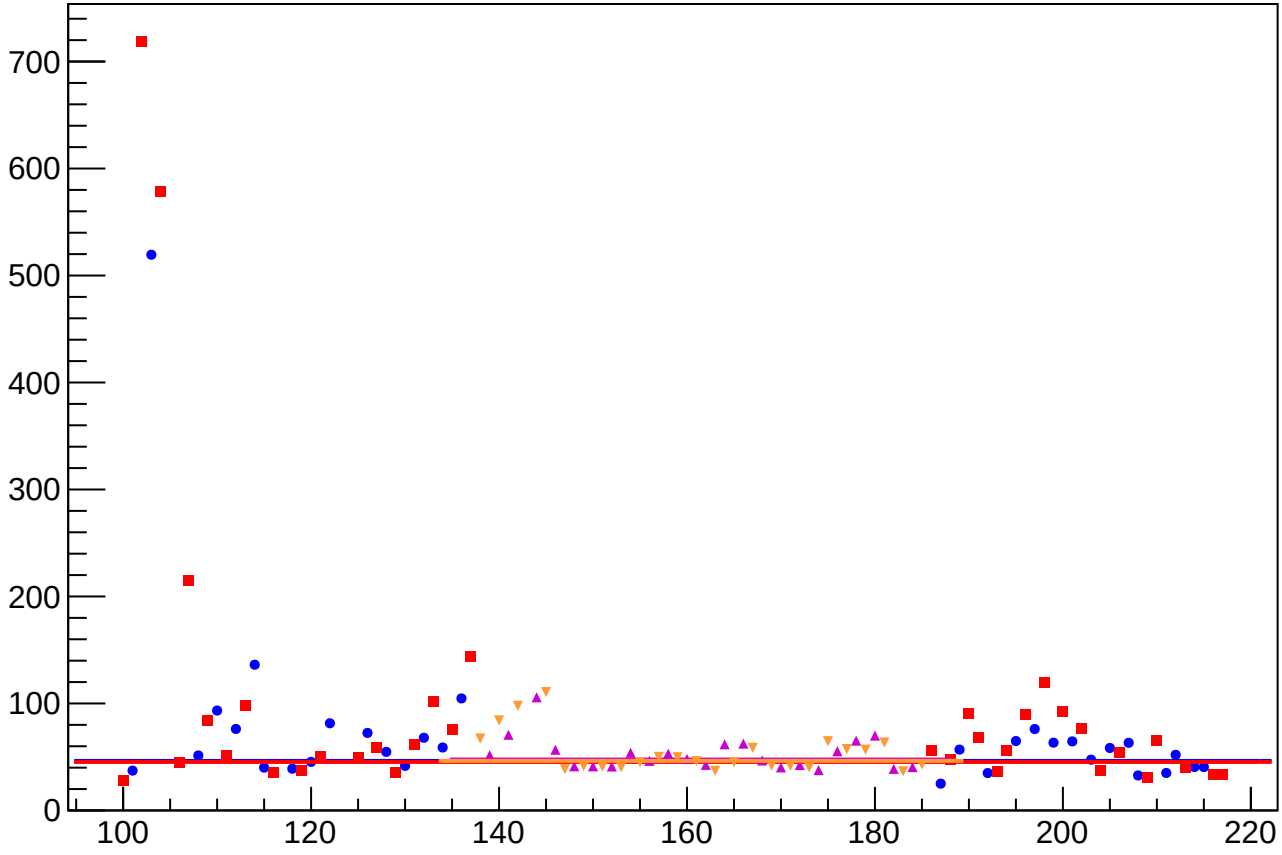
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

\+ sign -0.005+/-0.009 χ^2/NDF: 64.2/54

All: 0.002+/-0.006 χ^2/NDF: 109.3/112

\- sign 0.010+/-0.009 χ^2/NDF: 43.5/57

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.287+/-0.009 χ^2/NDF: 3845772.4/30

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

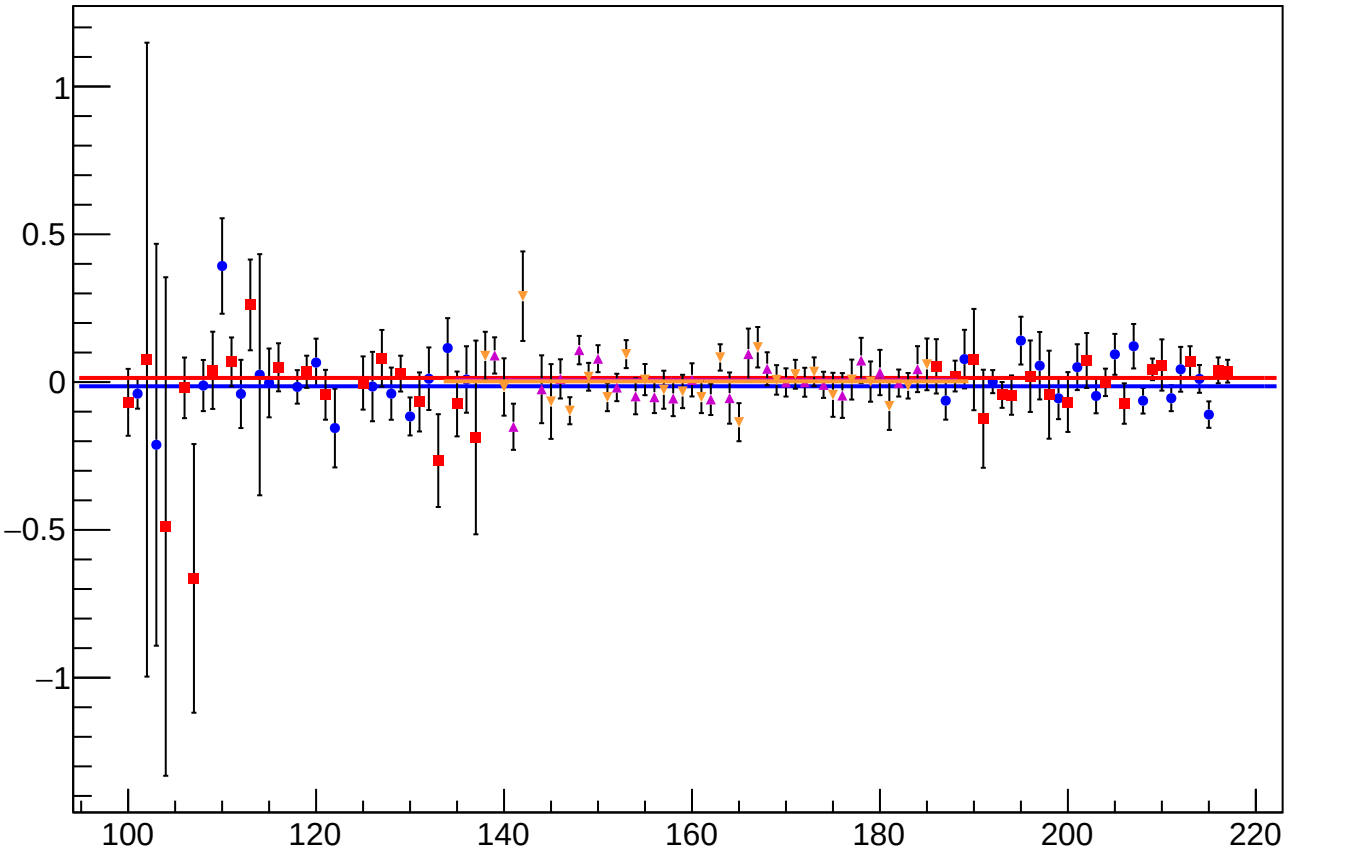
Right Out: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.322+/-0.006 χ^2/NDF: 5813555.6/54

All: 46.407+/-0.004 χ^2/NDF: 13220335.2/112

- sign 46.493+/-0.006 χ^2/NDF: 7406387.9/57



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

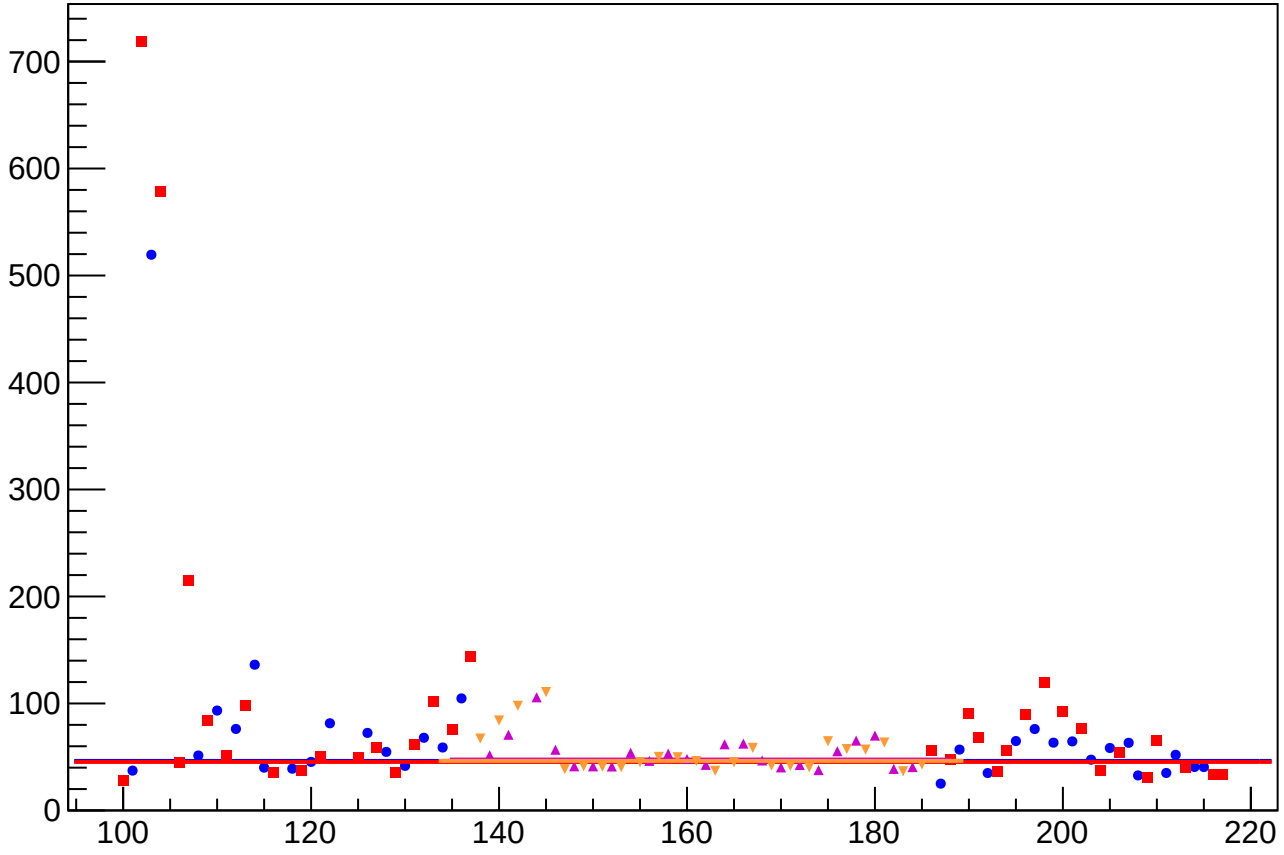
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 64.2/54

All: 0.002+/-0.006 χ^2/NDF: 109.3/112

- sign 0.010+/-0.009 χ^2/NDF: 43.5/57

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.287+/-0.009 χ^2/NDF: 3845772.4/30

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

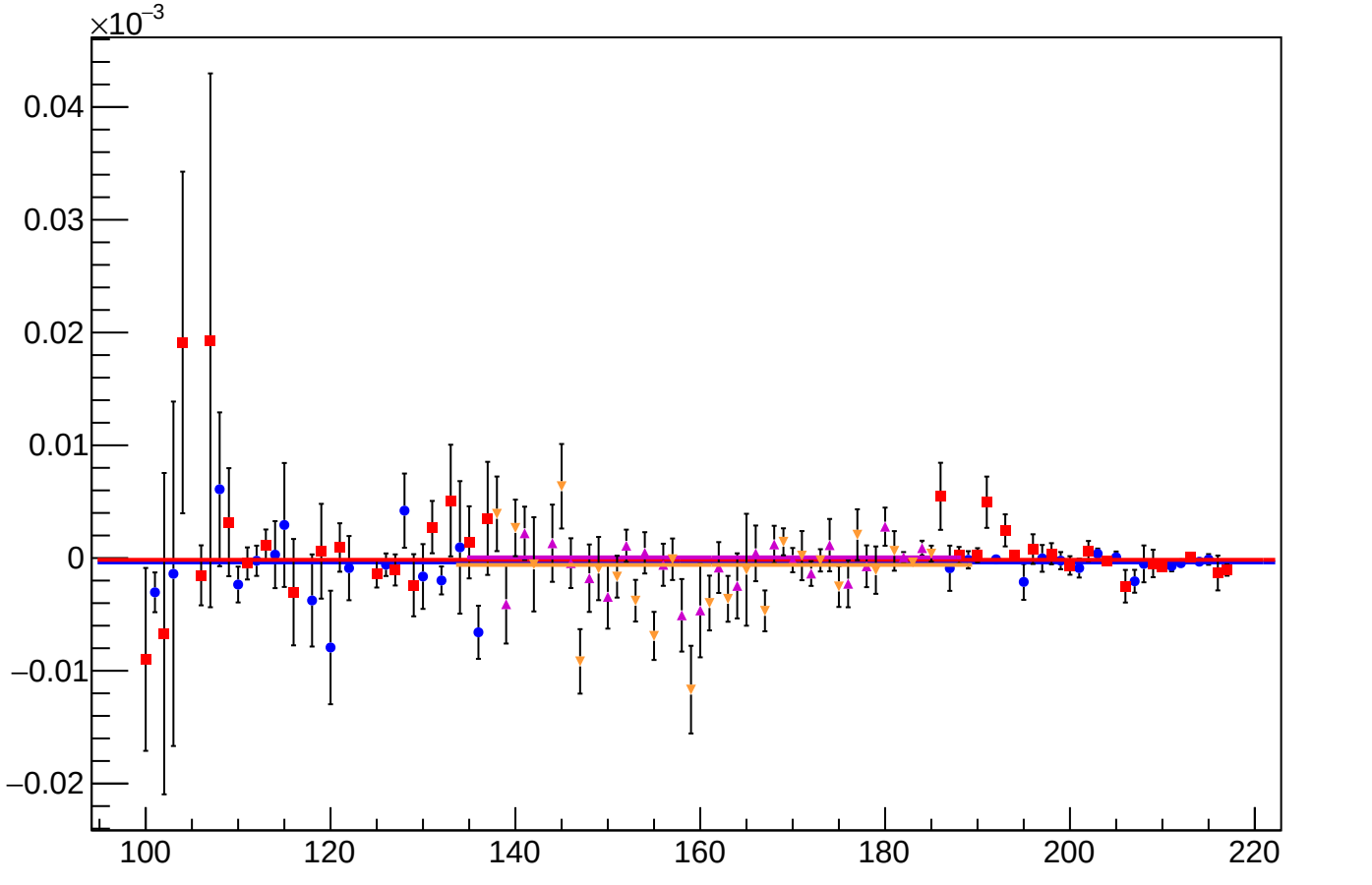
Right Out: 45.370+/-0.009 χ^2/NDF: 5797766.4/34

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

\+ sign 46.322+/-0.006 χ^2/NDF: 5813555.6/54

All: 46.407+/-0.004 χ^2/NDF: 13220335.2/112

\- sign 46.493+/-0.006 χ^2/NDF: 7406387.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.8/34

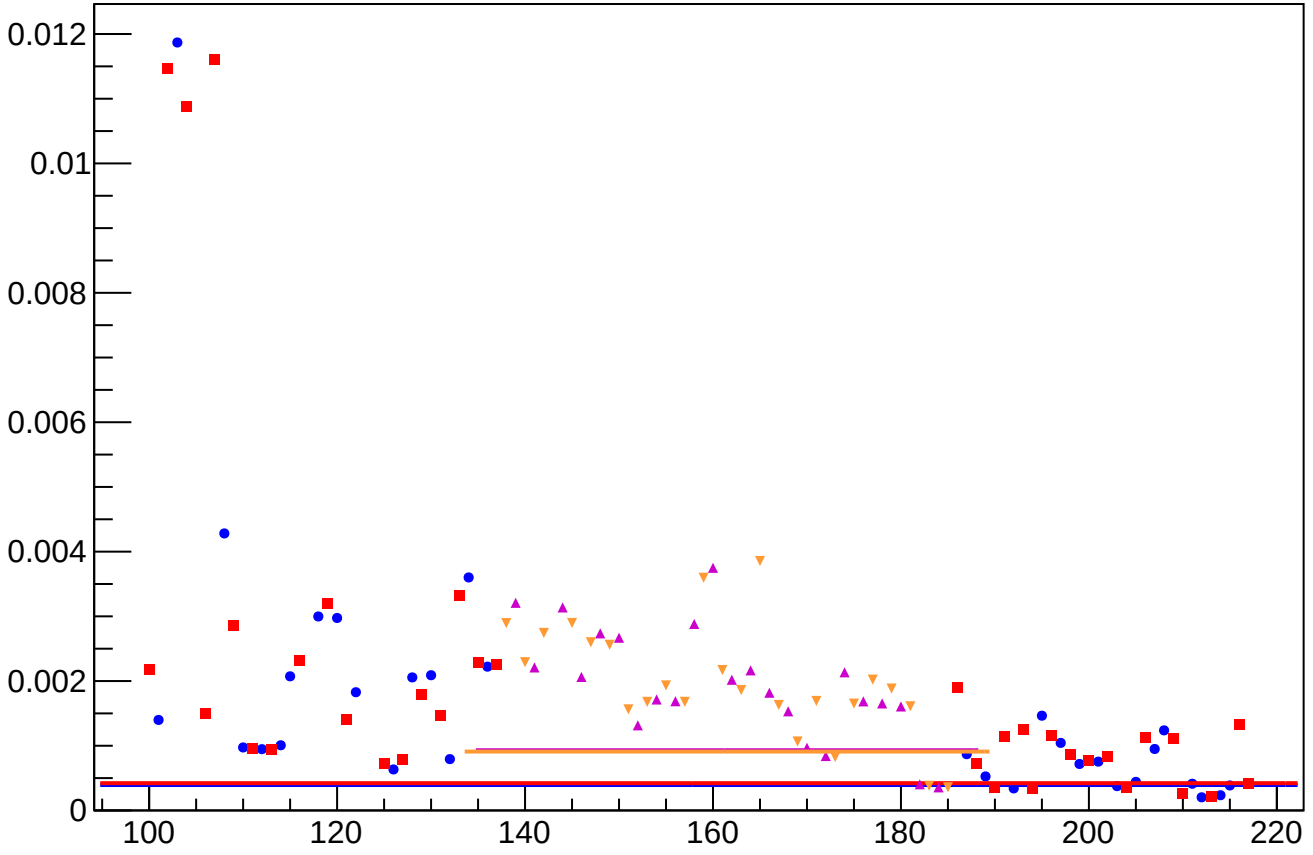
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.0/54

All: -0.000+/-0.000 χ^2/NDF: 144.7/112

- sign -0.000+/-0.000 χ^2/NDF: 58.2/57

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14181898.8/30

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

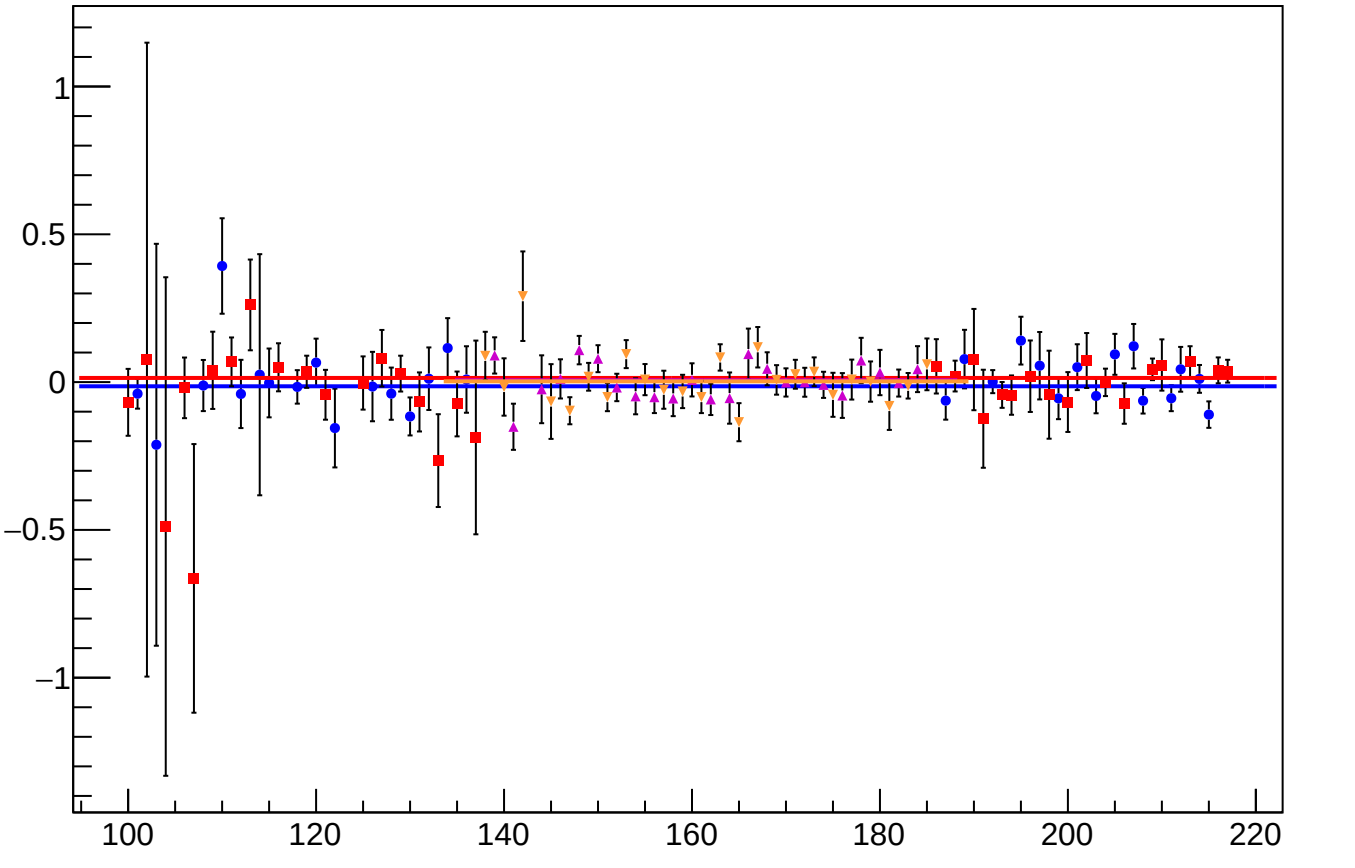
Right Out: 0.000+/-0.000 χ^2/NDF: 16239849.6/34

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 34139081.7/54

All: 0.000+/-0.000 χ^2/NDF: 69566385.0/112

- sign 0.001+/-0.000 χ^2/NDF: 35344574.8/57



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

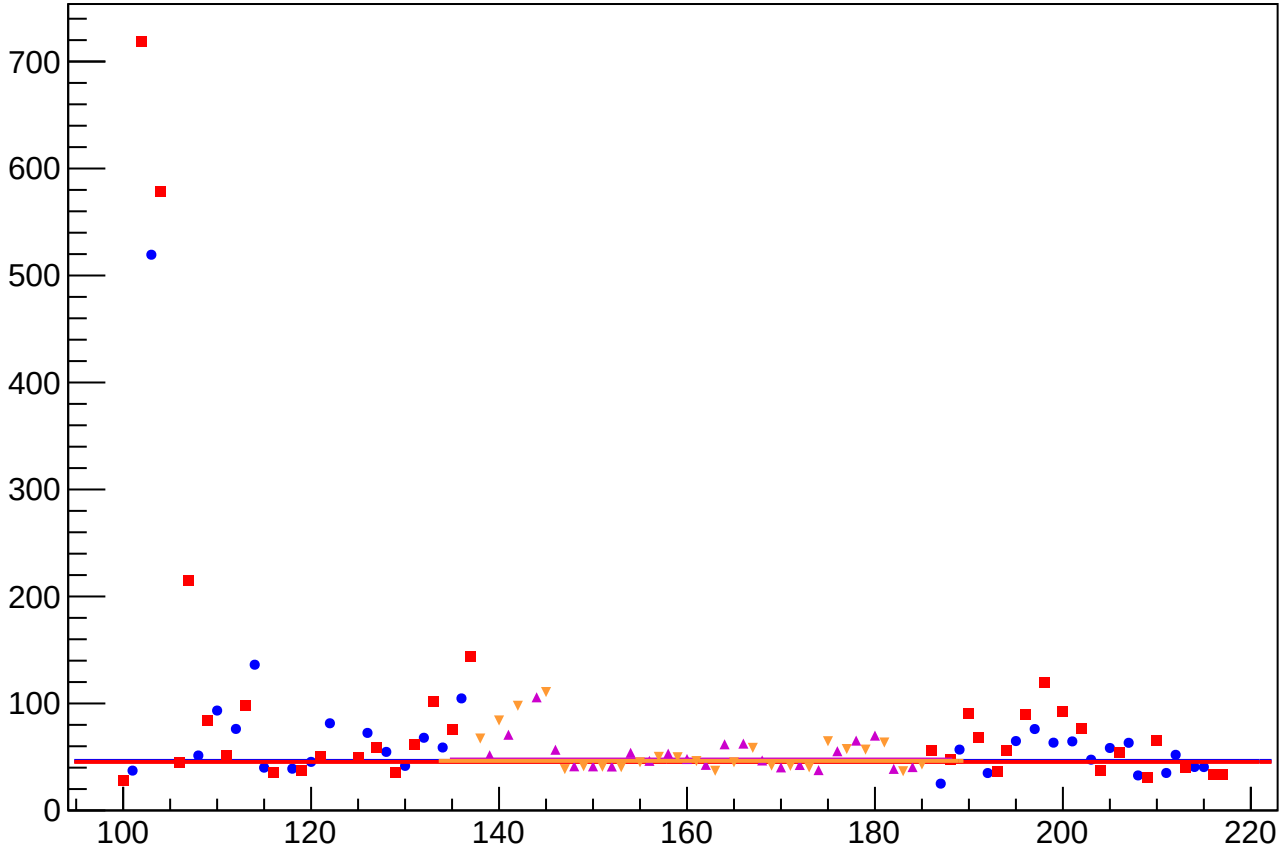
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 64.2/54

All: 0.002+/-0.006 χ^2/NDF: 109.3/112

- sign 0.010+/-0.009 χ^2/NDF: 43.5/57

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.286+/-0.009 χ^2/NDF: 3845790.6/30

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

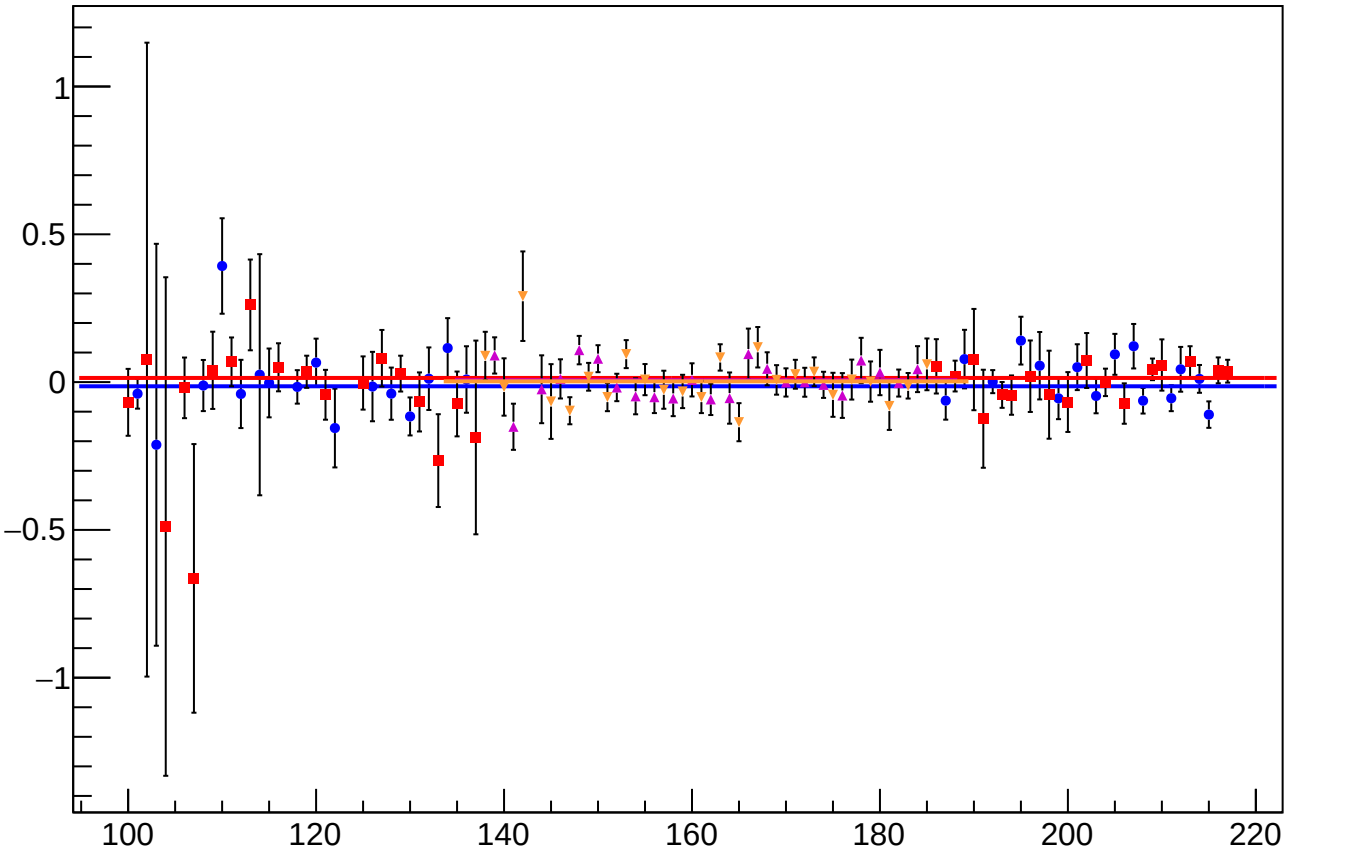
Right Out: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.322+/-0.006 χ^2/NDF: 5813562.1/54

All: 46.407+/-0.004 χ^2/NDF: 13220361.3/112

- sign 46.492+/-0.006 χ^2/NDF: 7406408.2/57



Right In: -0.014+/-0.012 χ^2/NDF: 33.4/30

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

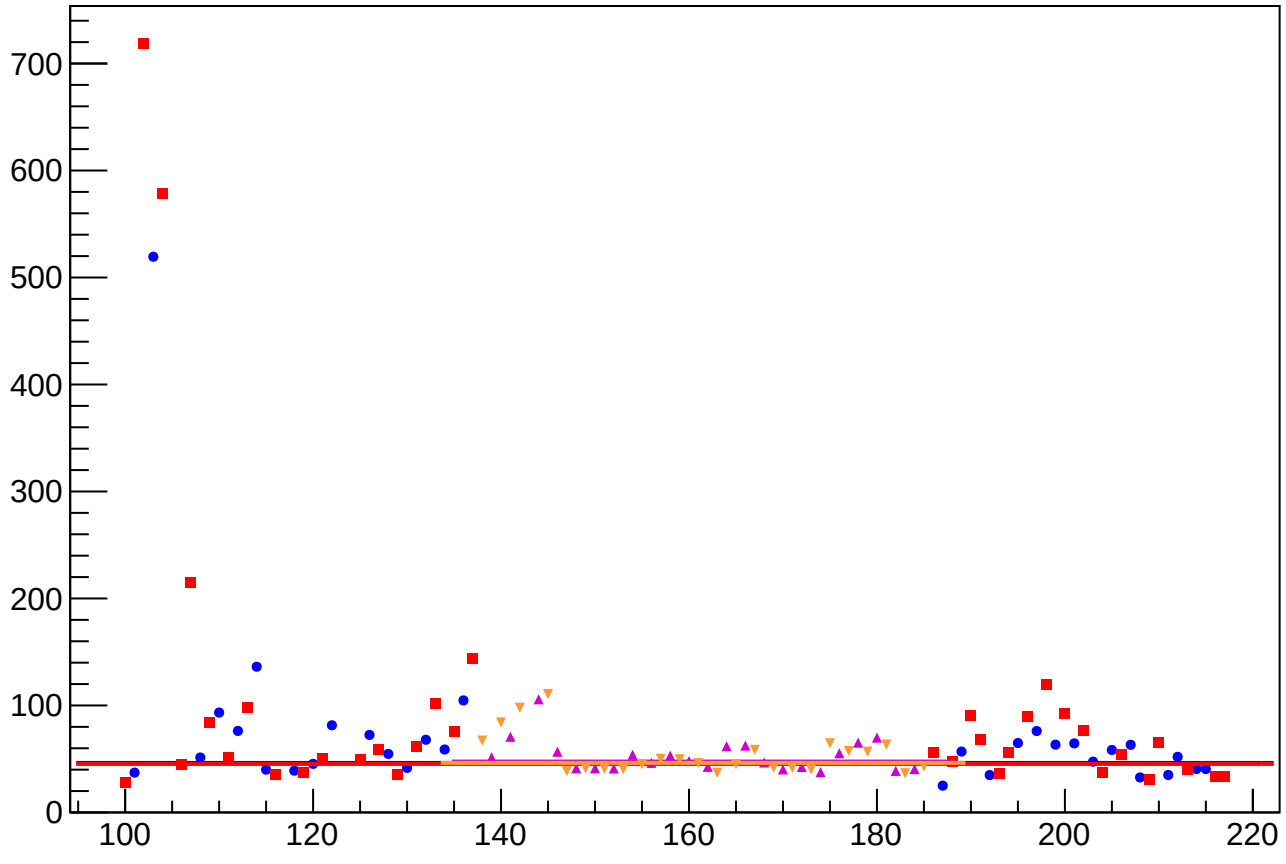
Right Out: 0.014+/-0.012 χ^2/NDF: 21.6/34

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.005+/-0.009 χ^2/NDF: 64.2/54

All: 0.002+/-0.006 χ^2/NDF: 109.3/112

- sign 0.010+/-0.009 χ^2/NDF: 43.5/57



Right In: 46.286+/-0.009 χ^2/NDF: 3845790.6/30

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

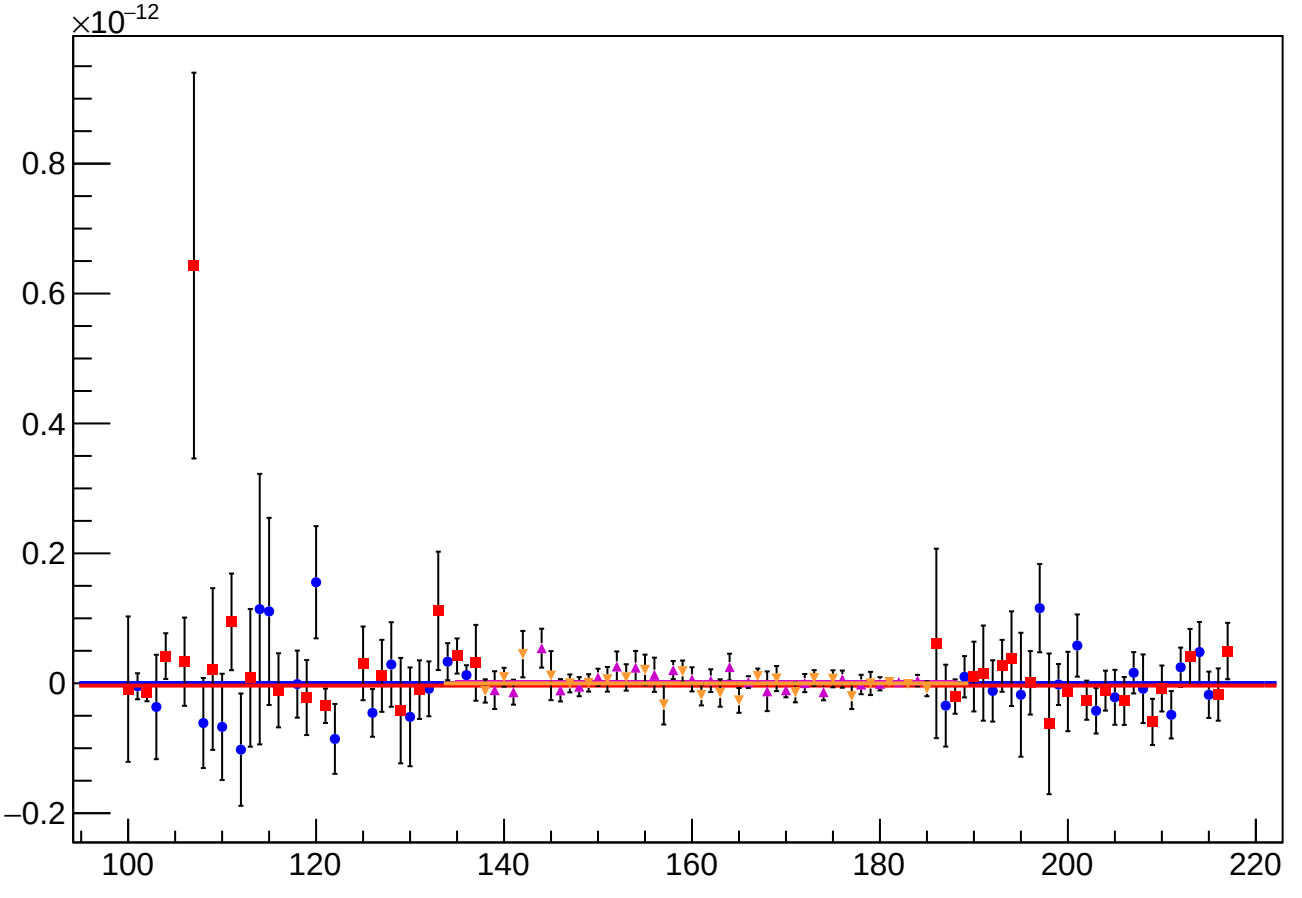
Right Out: 45.370+/-0.009 χ^2/NDF: 5797769.2/34

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.322+/-0.006 χ^2/NDF: 5813562.1/54

All: 46.407+/-0.004 χ^2/NDF: 13220361.3/112

- sign 46.492+/-0.006 χ^2/NDF: 7406408.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

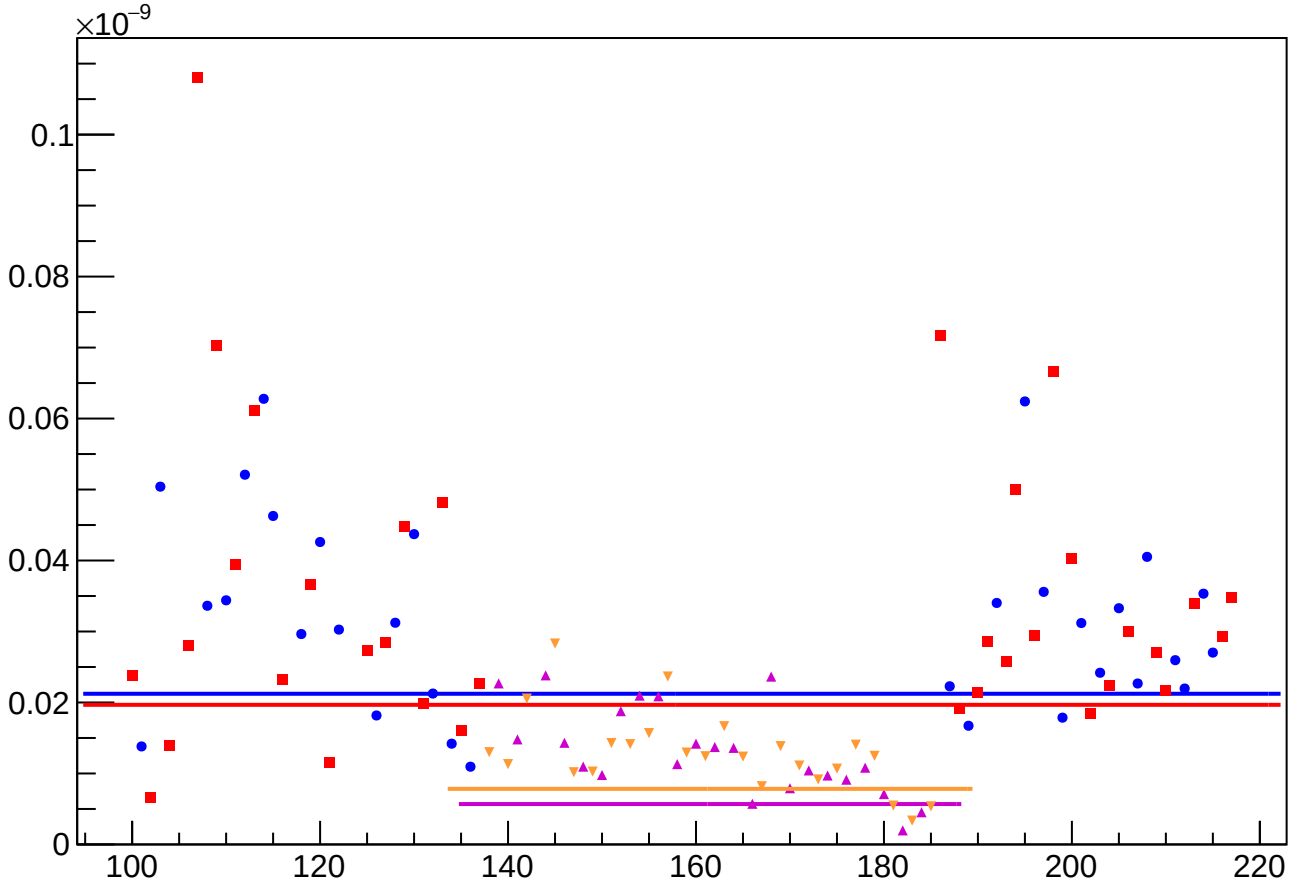
Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/34

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.6/54

All: 0.000+/-0.000 χ^2/NDF: 77.1/112

- sign 0.000+/-0.000 χ^2/NDF: 38.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 4031781.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6153010.2/34

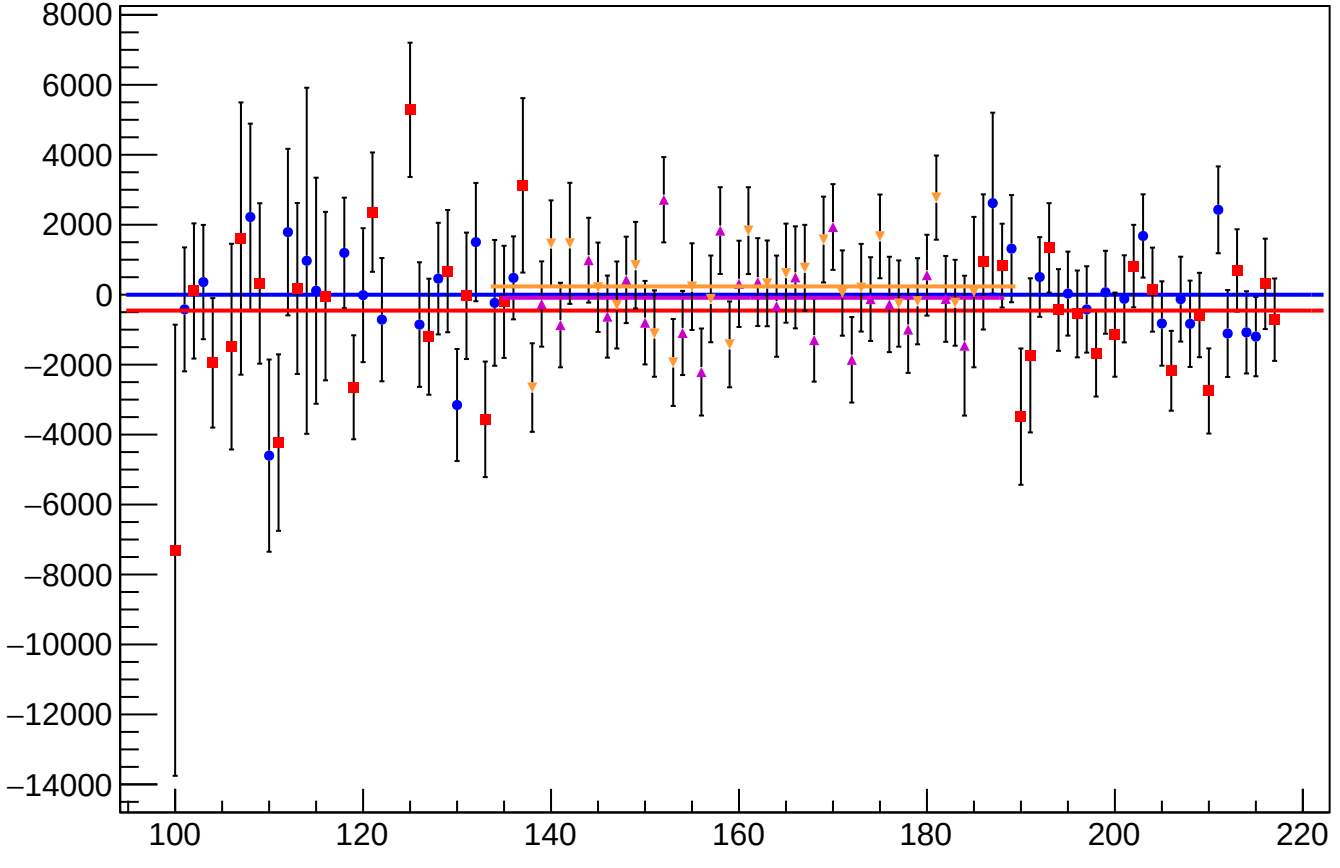
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16974236.7/54

All: 0.000+/-0.000 χ^2/NDF: 43445657.6/112

- sign 0.000+/-0.000 χ^2/NDF: 25253458.6/57

reg_asym_usl_atl1_dd_mean vs Slug



Right In: -1.378+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -454.271+/-259.917 χ^2/NDF: 41.2/34

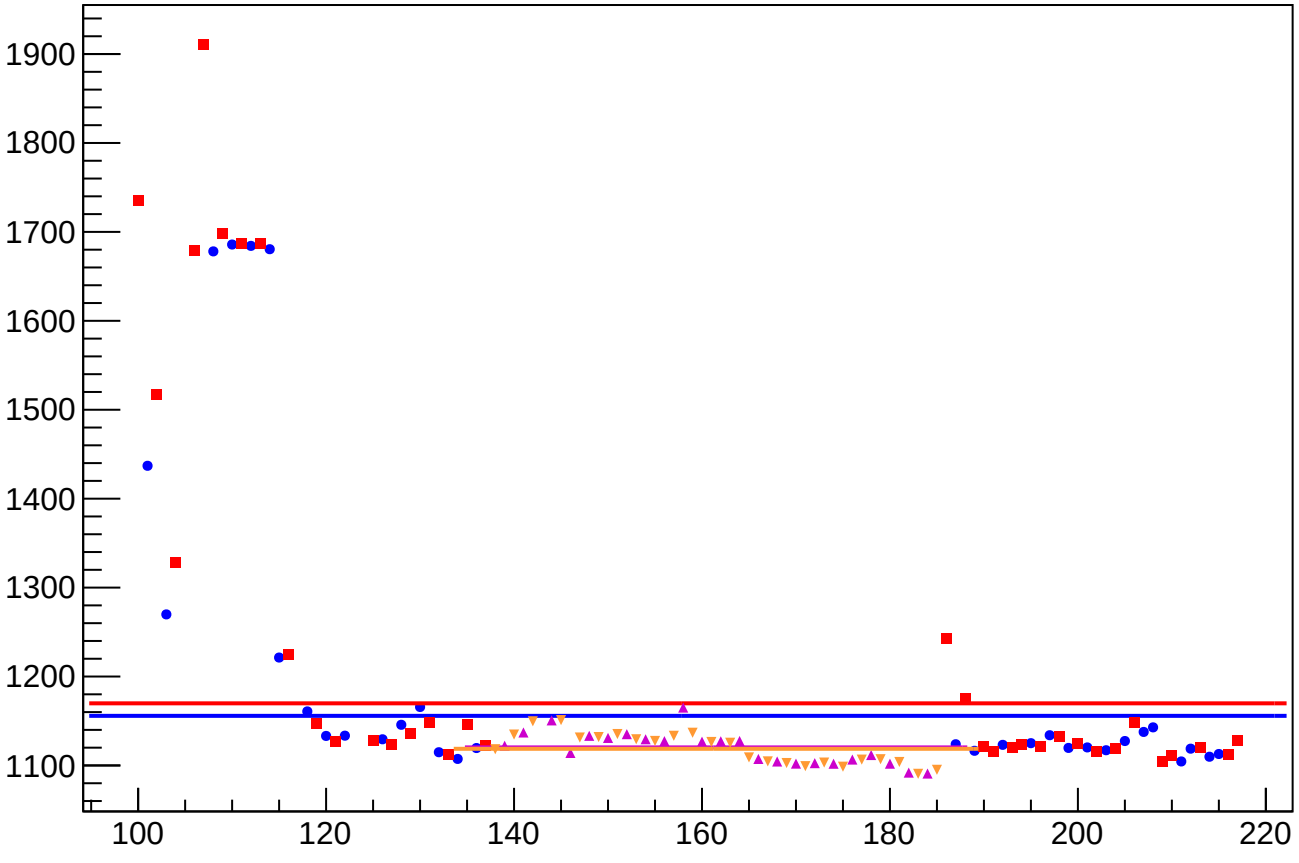
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 119.701+/-185.219 χ^2/NDF: 44.8/54

All: -77.291+/-130.673 χ^2/NDF: 110.2/112

- sign -272.508+/-184.382 χ^2/NDF: 63.1/57

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.3/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1169.856+/-0.184 χ^2/NDF: 564693.3/34

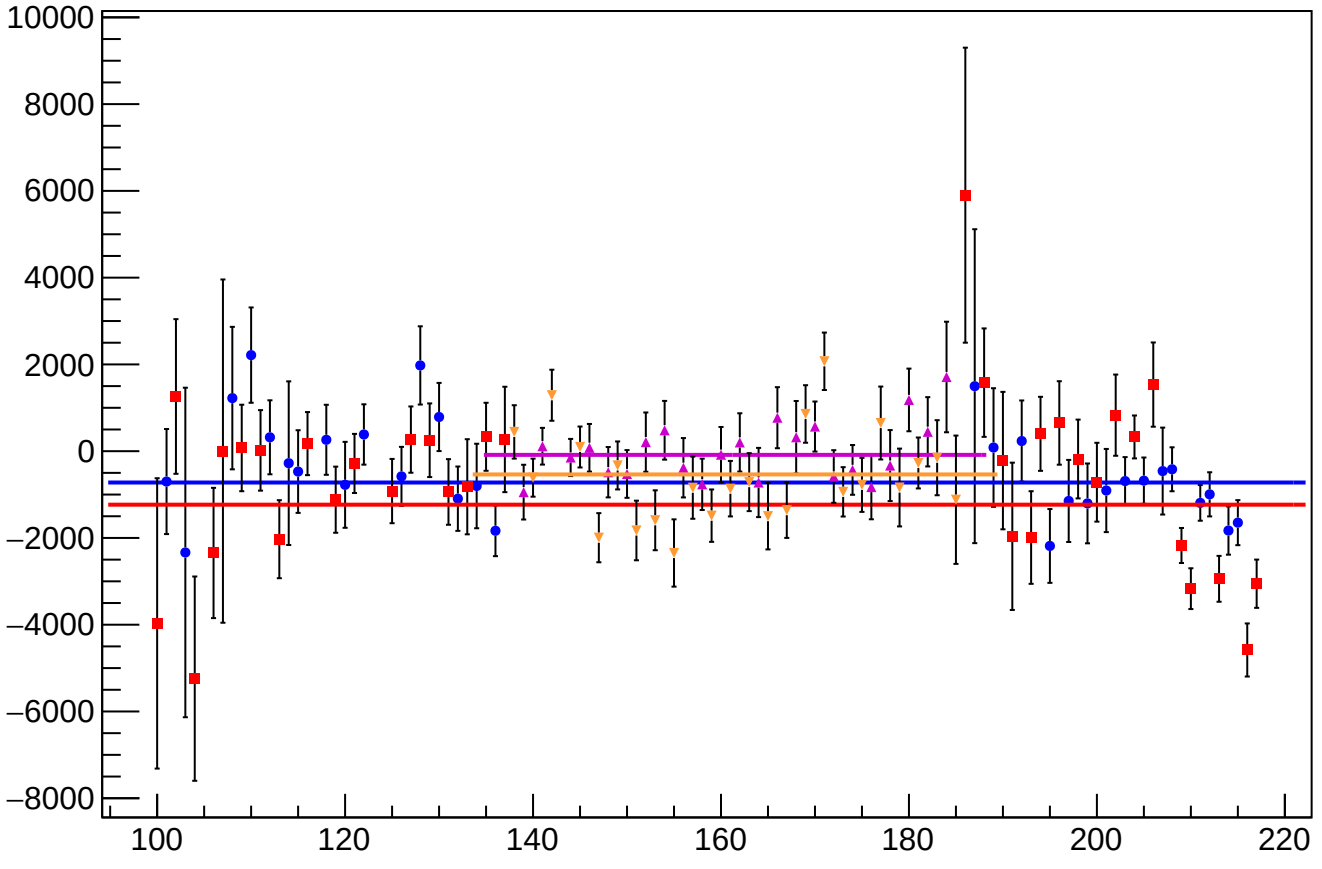
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.933+/-0.131 χ^2/NDF: 390562.8/54

All: 1141.107+/-0.092 χ^2/NDF: 1002861.9/11

- sign 1145.242+/-0.130 χ^2/NDF: 610277.5/57

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -1233.164+/-136.425 χ^2/NDF: 145.4/34

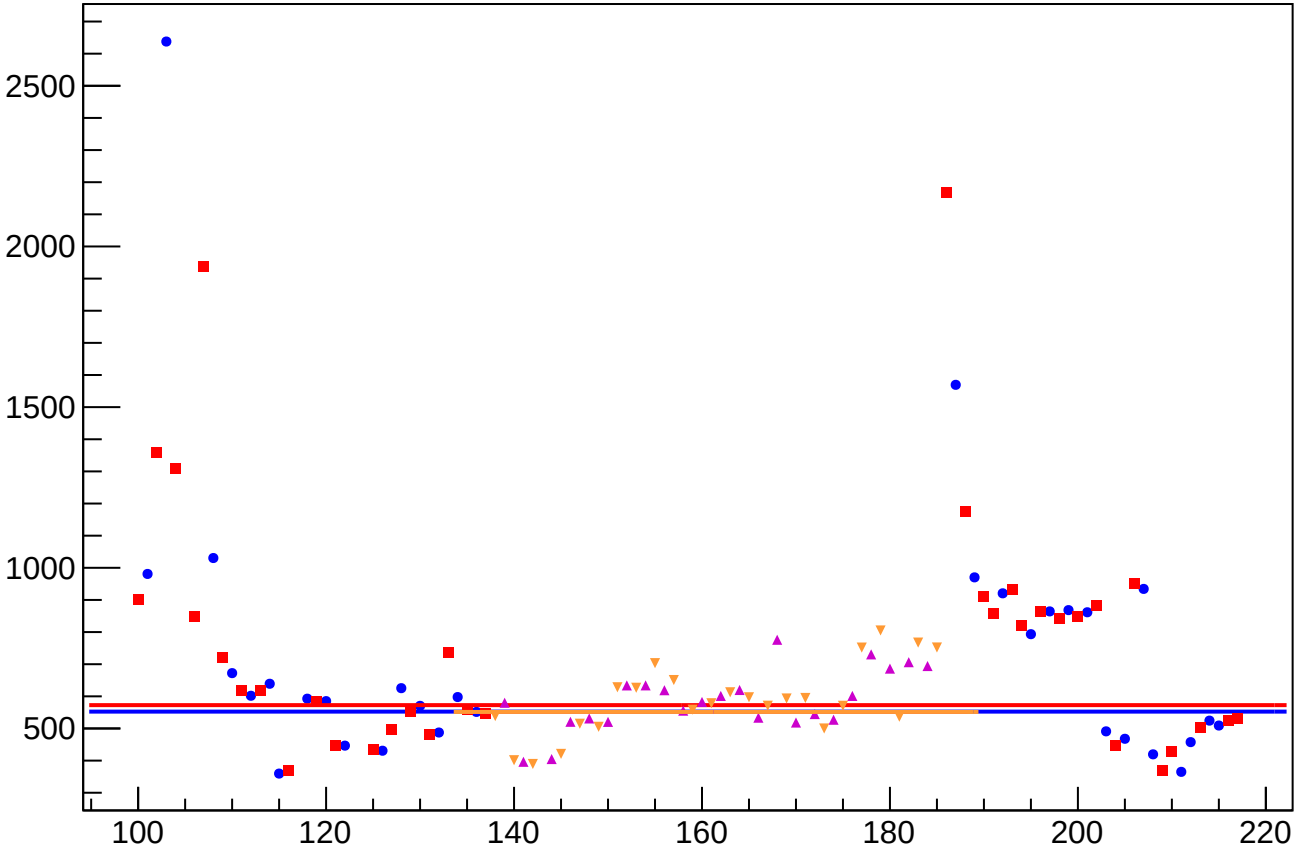
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -626.203+/-93.797 χ^2/NDF: 107.9/54

All: -630.958+/-66.564 χ^2/NDF: 307.2/112

\- sign -635.783+/-94.478 χ^2/NDF: 199.3/57

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 552.478+/-0.095 χ^2/NDF: 3775364.4/30

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 572.624+/-0.096 χ^2/NDF: 4758345.6/34

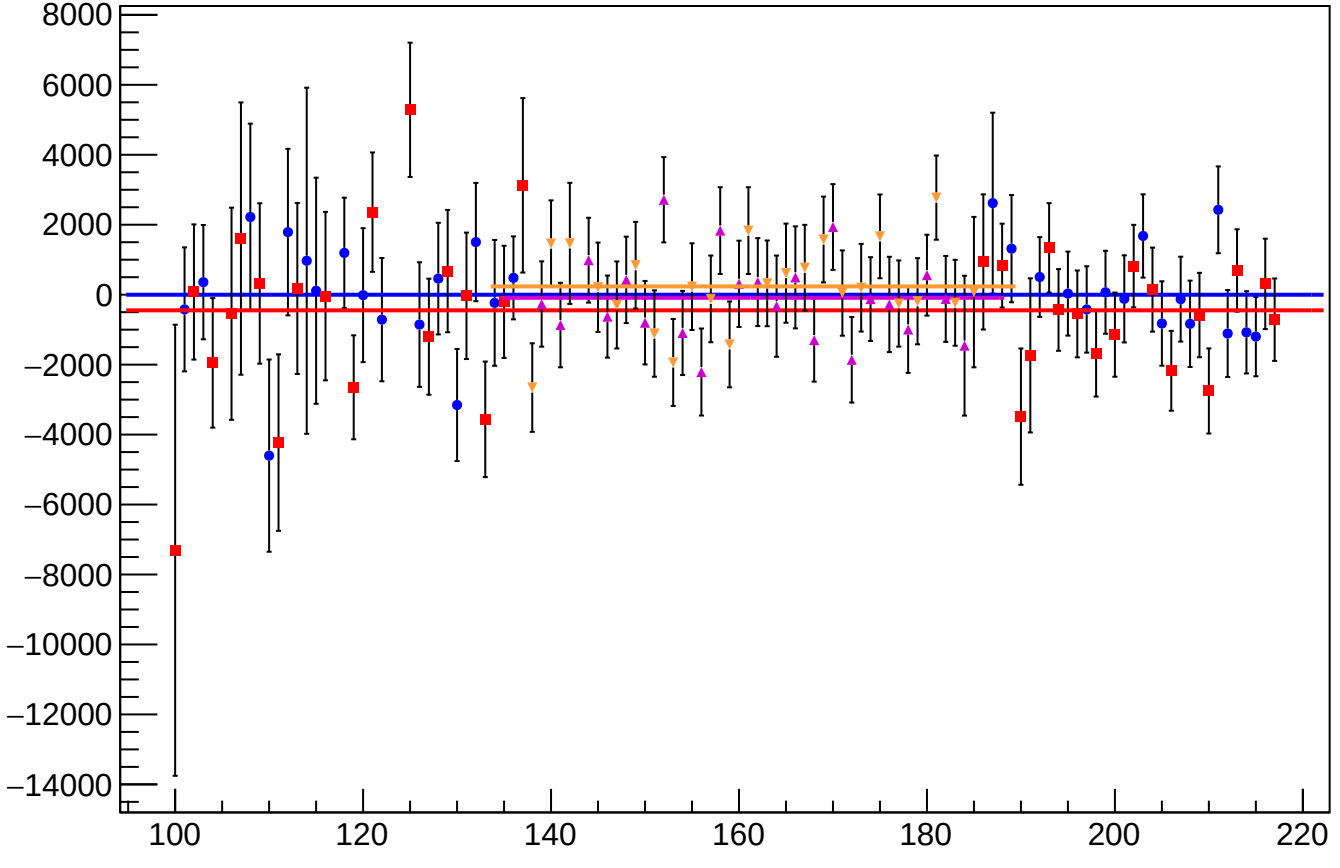
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 551.943+/-0.066 χ^2/NDF: 5002042.0/54

All: 556.709+/-0.047 χ^2/NDF: 10857899.1/11

- sign 561.546+/-0.067 χ^2/NDF: 5845451.8/57

cor_asym_usl_atl1_dd_mean vs Slug



Right In: -1.511+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -447.419+/-259.979 χ^2/NDF: 41.1/34

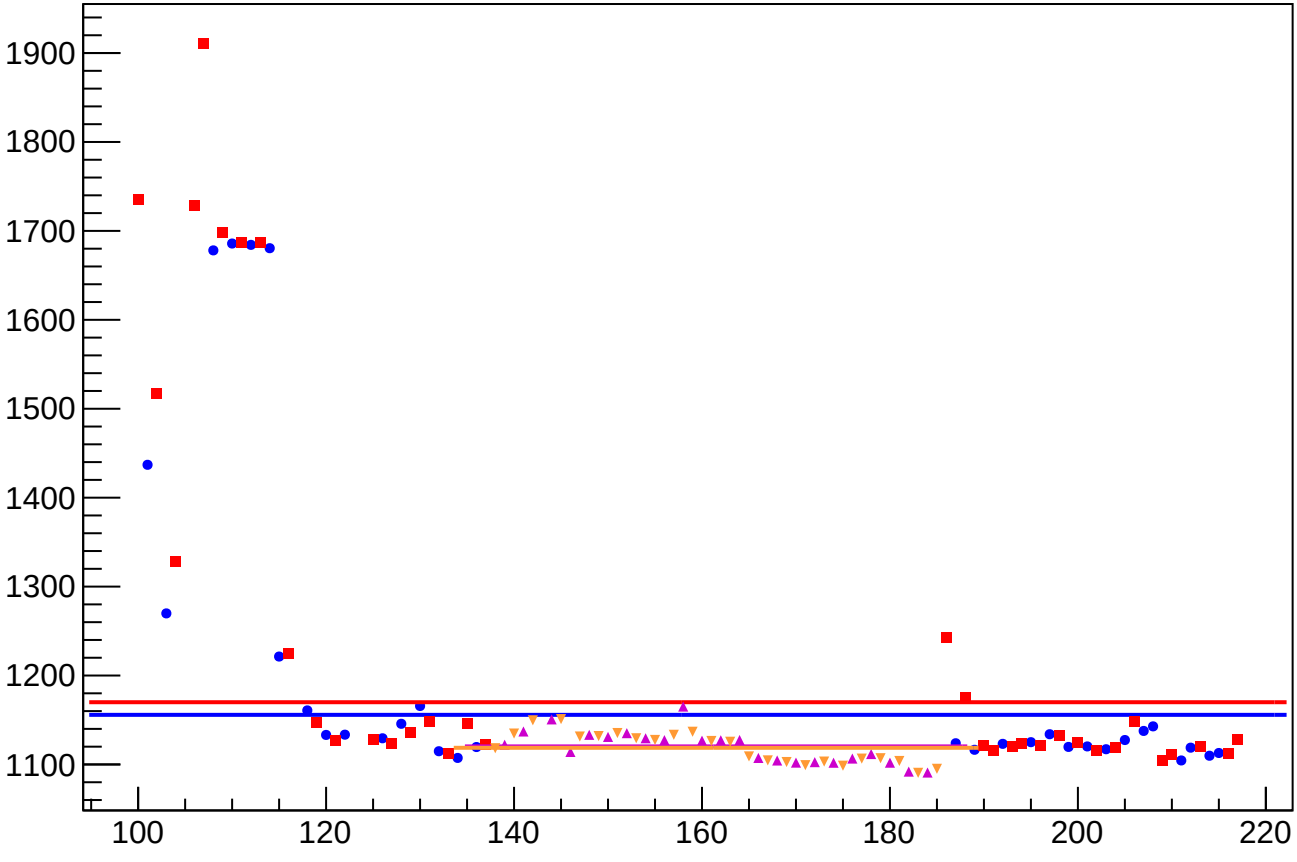
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 119.657+/-185.219 χ^2/NDF: 44.8/54

All: -75.534+/-130.680 χ^2/NDF: 110.0/112

- sign -269.012+/-184.404 χ^2/NDF: 62.9/57

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.4/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

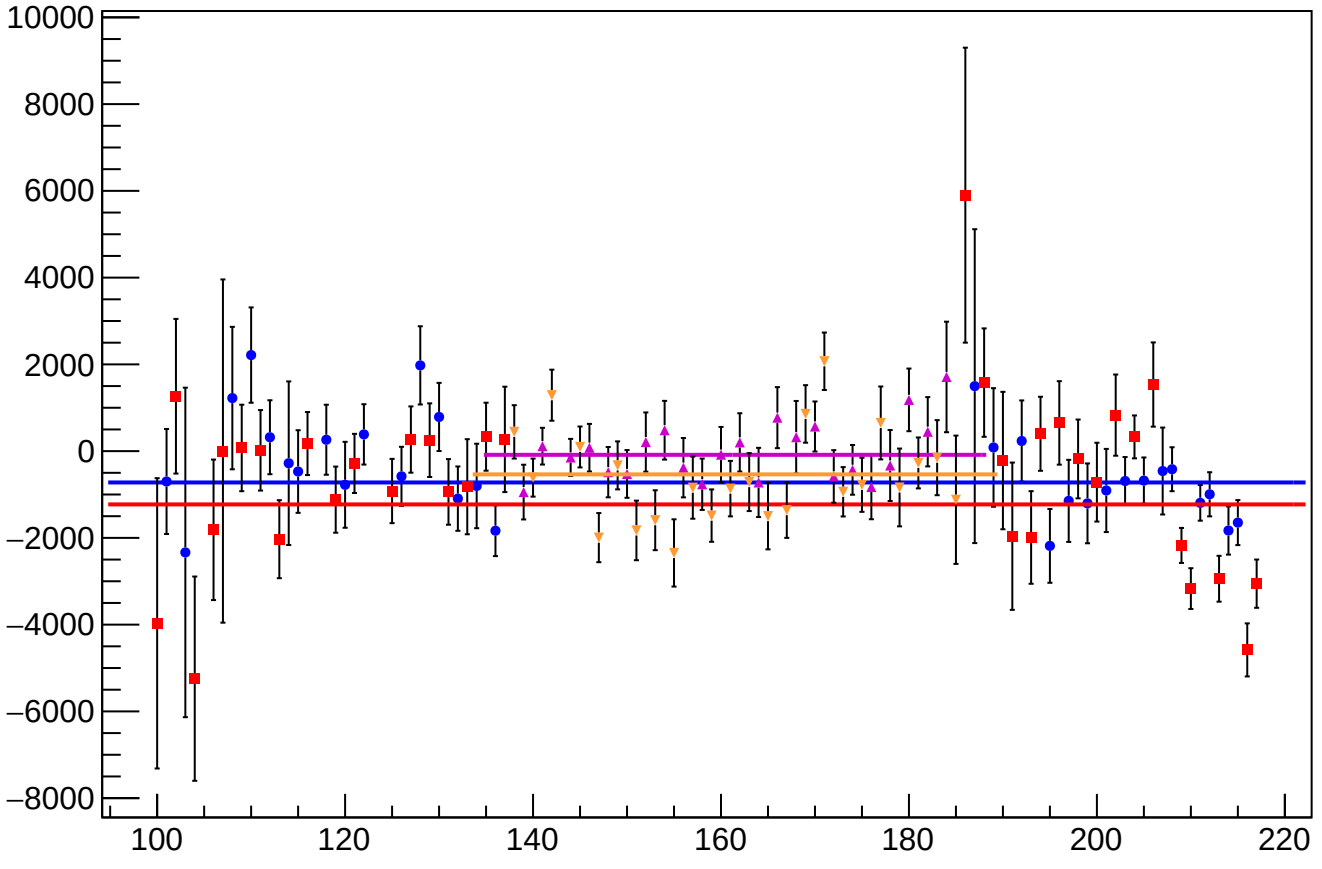
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.933+/-0.131 χ^2/NDF: 390562.9/54

All: 1141.136+/-0.092 χ^2/NDF: 1011078.9/11

- sign 1145.301+/-0.130 χ^2/NDF: 618465.9/57

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

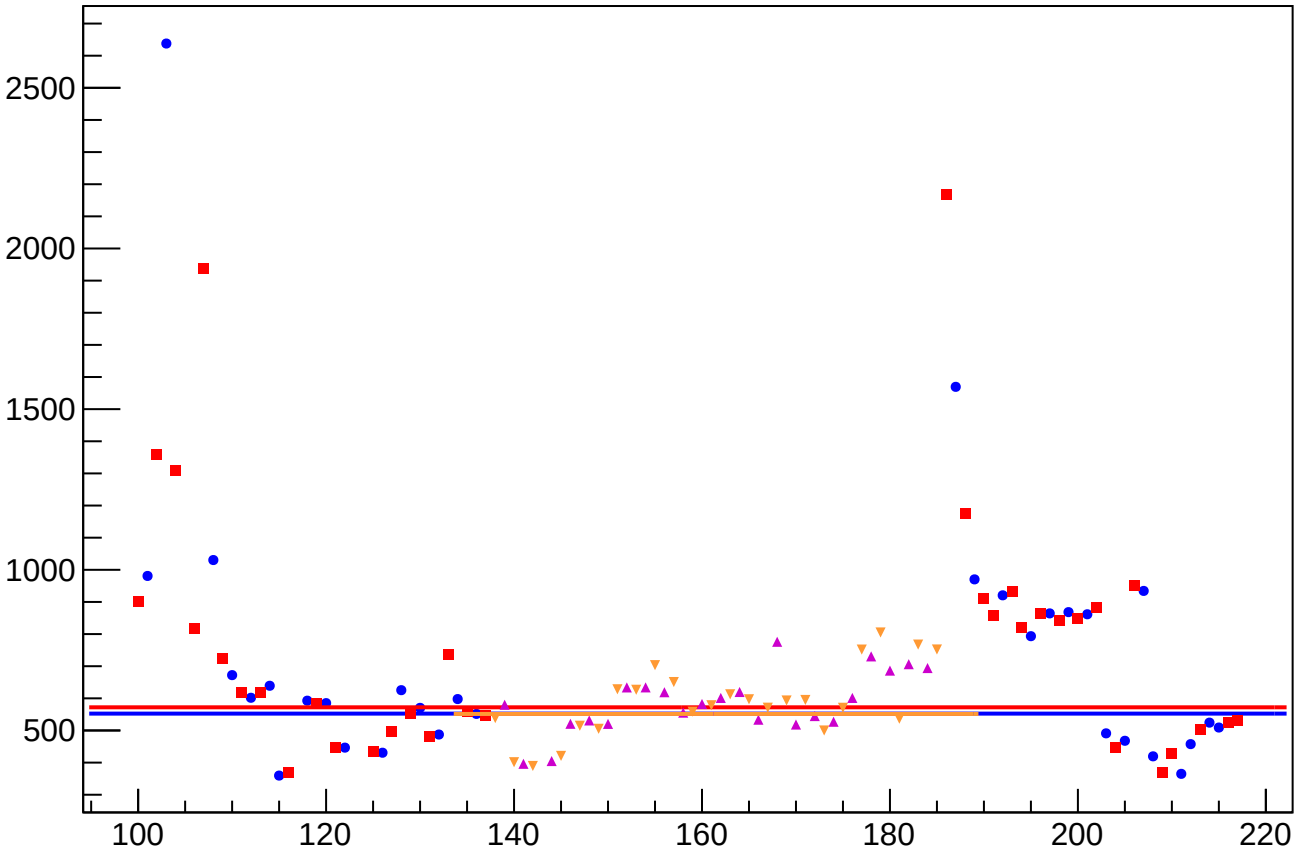
Right Out: -1228.068+/-136.503 χ^2/NDF: 144.9/34

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -626.219+/-93.797 χ^2/NDF: 107.9/54

All: -629.587+/-66.573 χ^2/NDF: 306.5/112

\- sign -633.005+/-94.504 χ^2/NDF: 198.6/57



Right In: 552.475+/-0.095 χ^2/NDF: 3775350.2/30

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

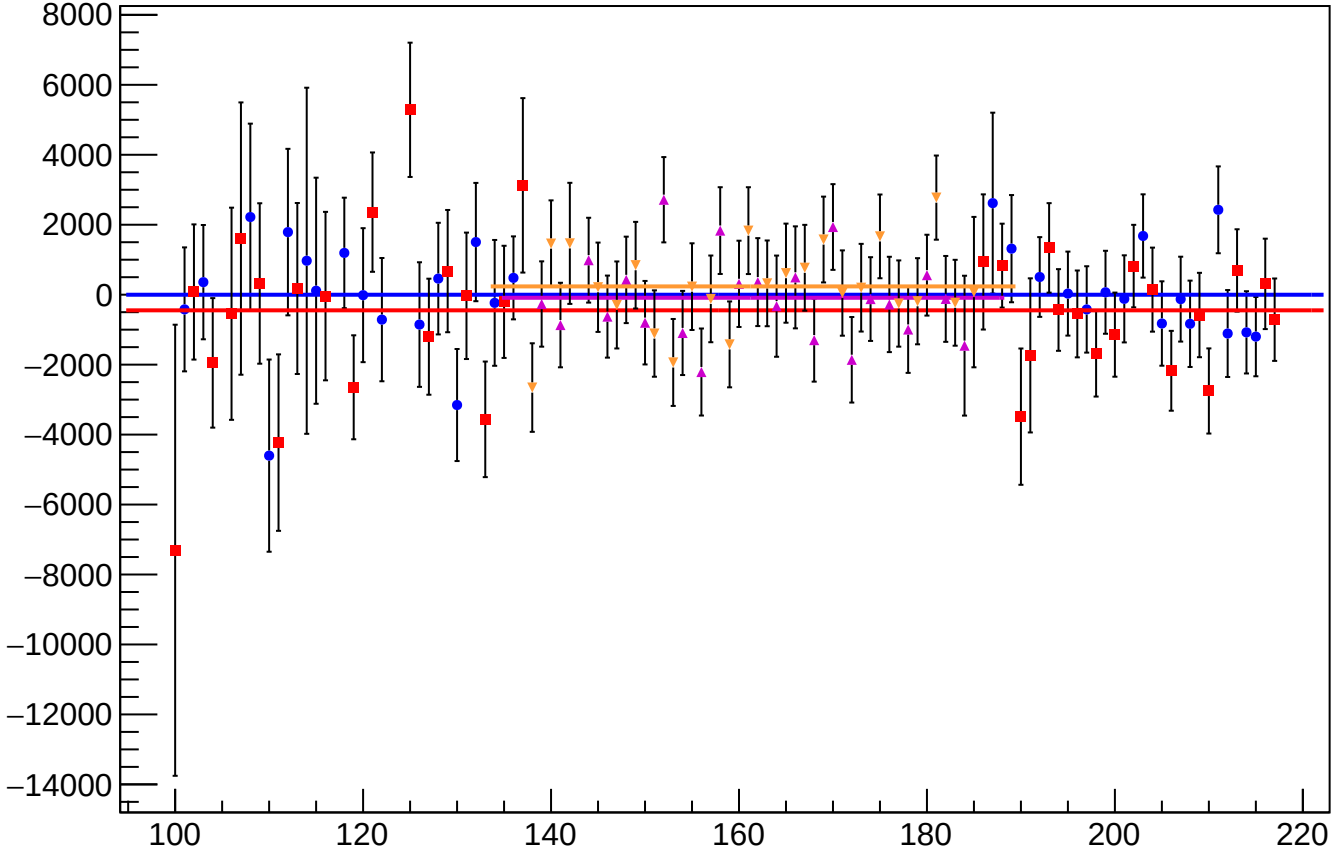
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 551.941+/-0.066 χ^2/NDF: 5002043.3/54

All: 556.575+/-0.047 χ^2/NDF: 10834673.5/11

- sign 561.279+/-0.067 χ^2/NDF: 5822794.6/57

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: -1.511+/-264.269 χ^2/NDF: 21.7/30

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -447.419+/-259.979 χ^2/NDF: 41.1/34

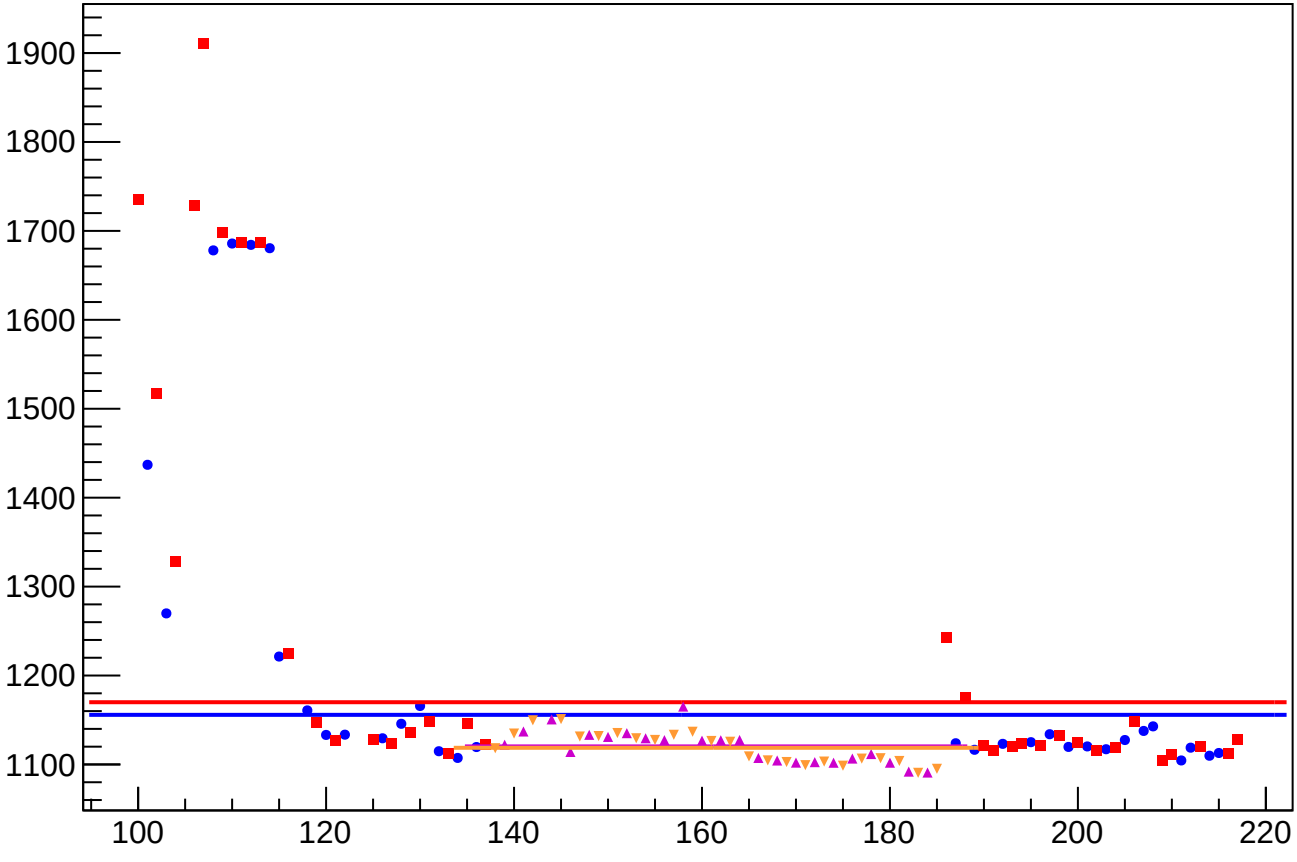
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 119.657+/-185.219 χ^2/NDF: 44.8/54

All: -75.534+/-130.680 χ^2/NDF: 110.0/112

- sign -269.012+/-184.404 χ^2/NDF: 62.9/57

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1155.784+/-0.187 χ^2/NDF: 362356.4/30

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1169.985+/-0.184 χ^2/NDF: 572702.4/34

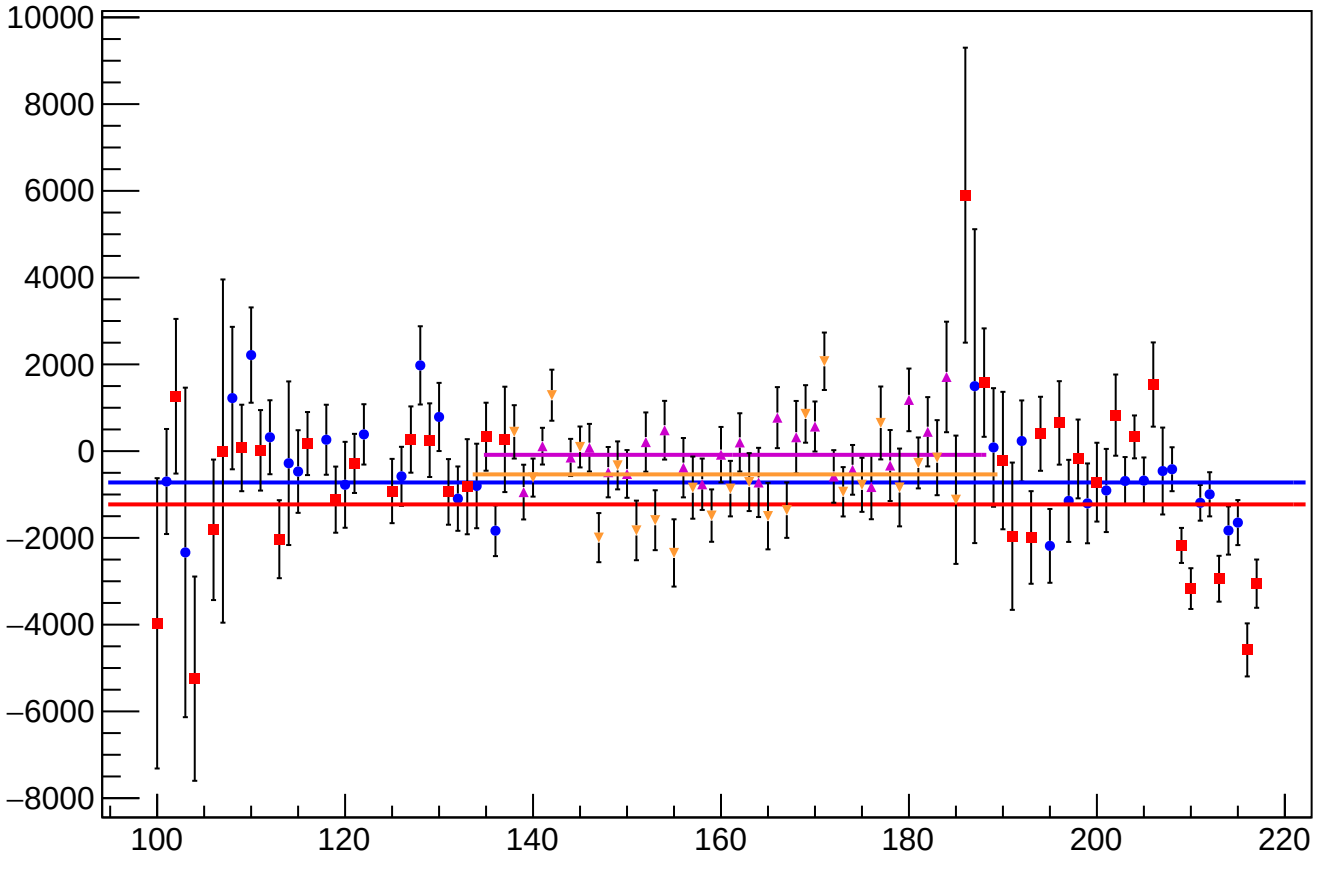
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.933+/-0.131 χ^2/NDF: 390562.9/54

All: 1141.136+/-0.092 χ^2/NDF: 1011078.9/11

- sign 1145.301+/-0.130 χ^2/NDF: 618465.9/57

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug



Right In: -722.266+/-134.747 χ^2/NDF: 45.4/30

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

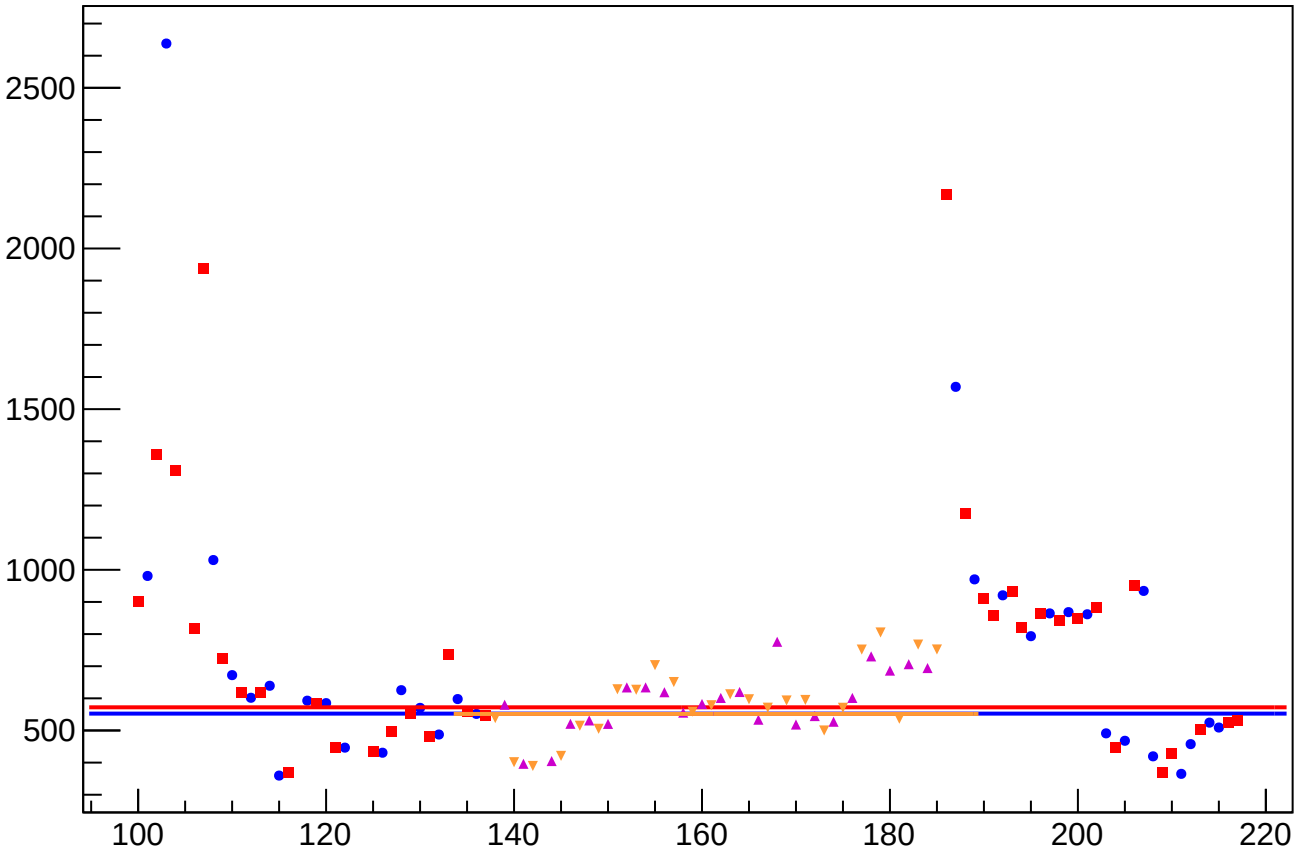
Right Out: -1228.068+/-136.503 χ^2/NDF: 144.9/34

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -626.219+/-93.797 χ^2/NDF: 107.9/54

All: -629.587+/-66.573 χ^2/NDF: 306.5/112

\- sign -633.005+/-94.504 χ^2/NDF: 198.6/57



Right In: 552.475+/-0.095 χ^2/NDF: 3775350.2/30

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 572.080+/-0.097 χ^2/NDF: 4737010.7/34

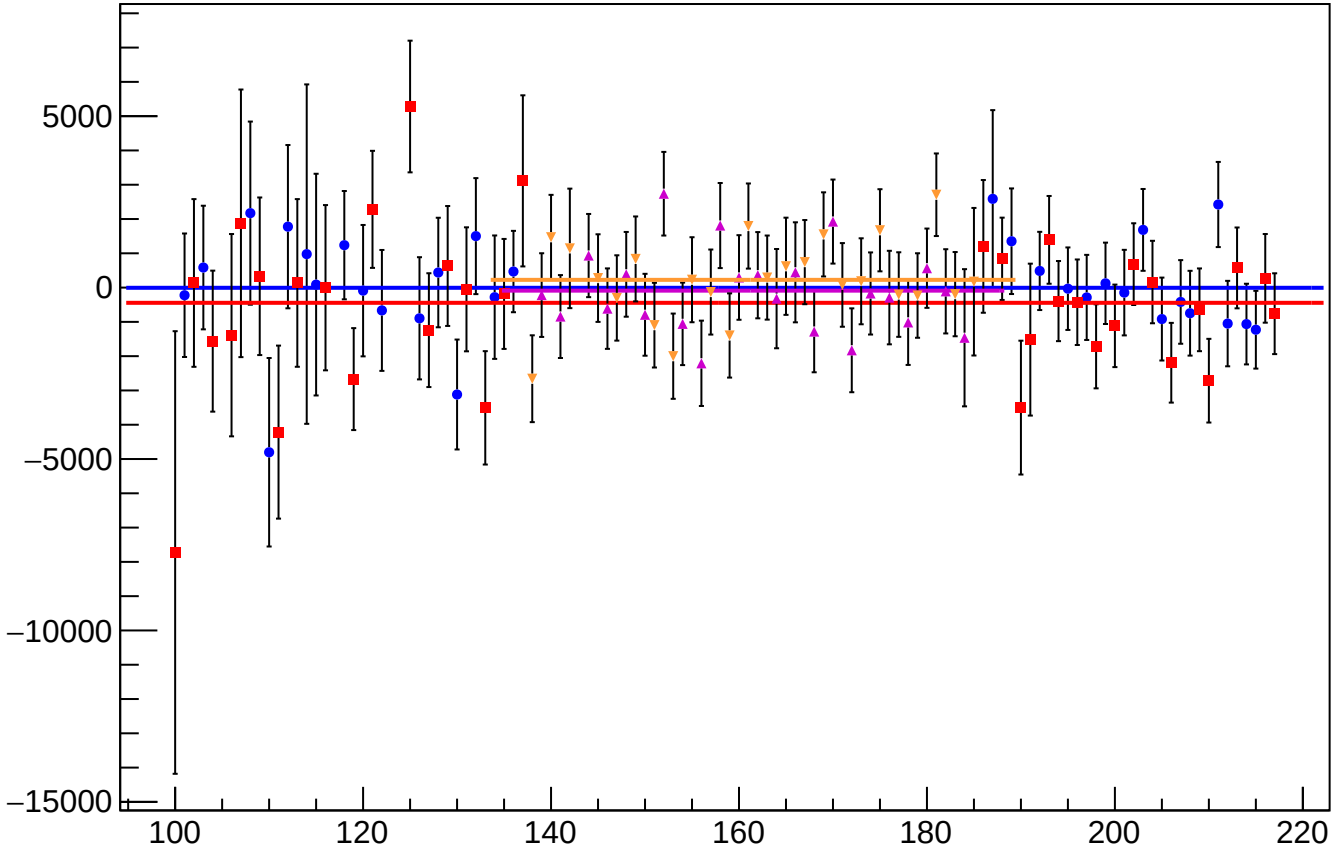
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 551.941+/-0.066 χ^2/NDF: 5002043.3/54

All: 556.575+/-0.047 χ^2/NDF: 10834673.5/11

- sign 561.279+/-0.067 χ^2/NDF: 5822794.6/57

dit_asym_usl_atl1_dd_mean vs Slug



Right In: -5.850+/-265.394 χ^2/NDF: 21.9/30

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -444.114+/-261.962 χ^2/NDF: 40.4/34

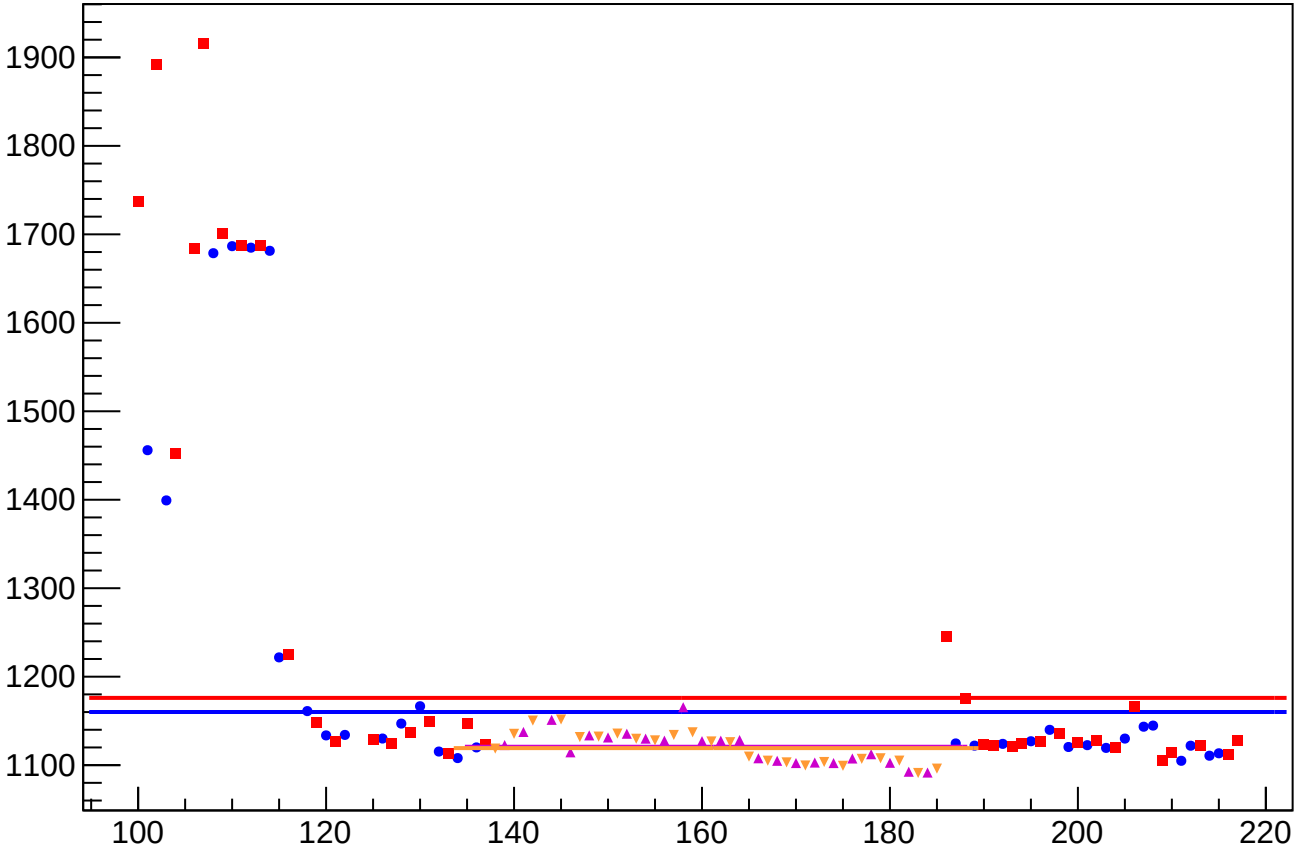
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 112.359+/-185.663 χ^2/NDF: 44.4/54

All: -77.561+/-131.101 χ^2/NDF: 108.4/112

- sign -266.430+/-185.148 χ^2/NDF: 61.9/57

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1160.079+/-0.188 χ^2/NDF: 391600.8/30

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1176.024+/-0.185 χ^2/NDF: 694213.7/34

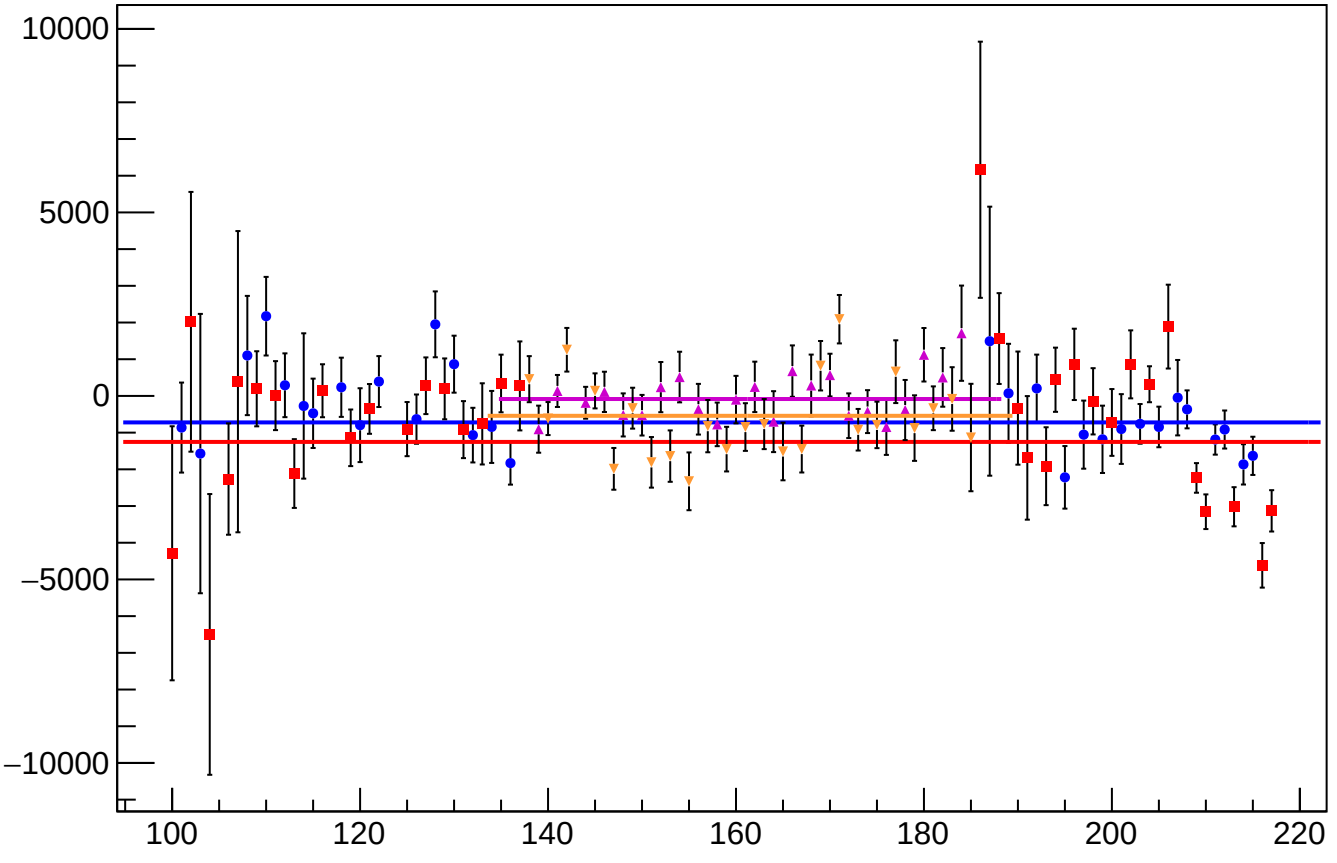
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1139.236+/-0.131 χ^2/NDF: 423904.2/54

All: 1143.824+/-0.093 χ^2/NDF: 1174461.3/11

- sign 1148.386+/-0.131 χ^2/NDF: 748121.6/57

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -721.752+/-135.105 χ^2/NDF: 45.9/30

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -1253.155+/-137.662 χ^2/NDF: 146.3/34

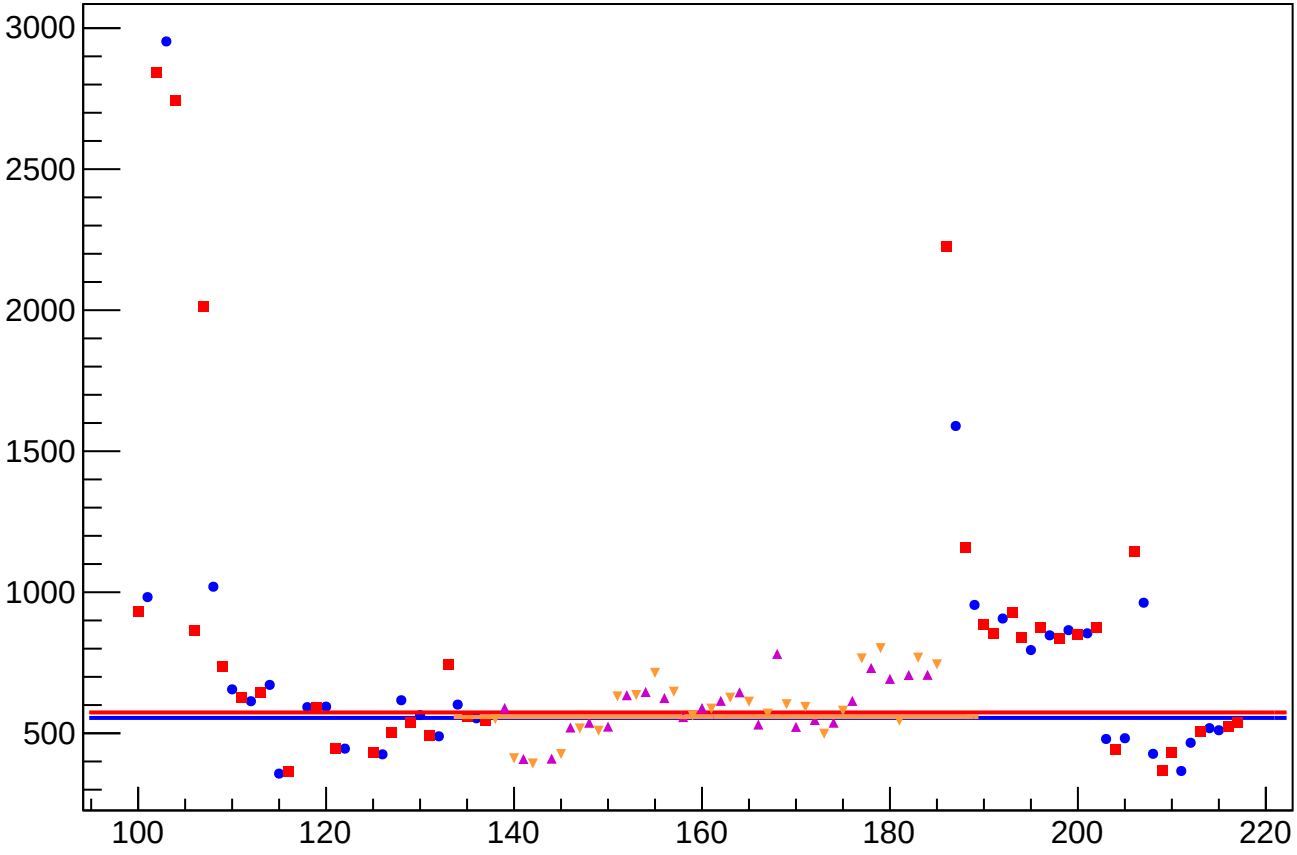
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -629.586+/-94.421 χ^2/NDF: 107.7/54

All: -637.960+/-67.138 χ^2/NDF: 307.9/112

- sign -646.523+/-95.482 χ^2/NDF: 200.1/57

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 554.436+/-0.096 χ^2/NDF: 3908291.9/30

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 573.834+/-0.097 χ^2/NDF: 5869559.7/34

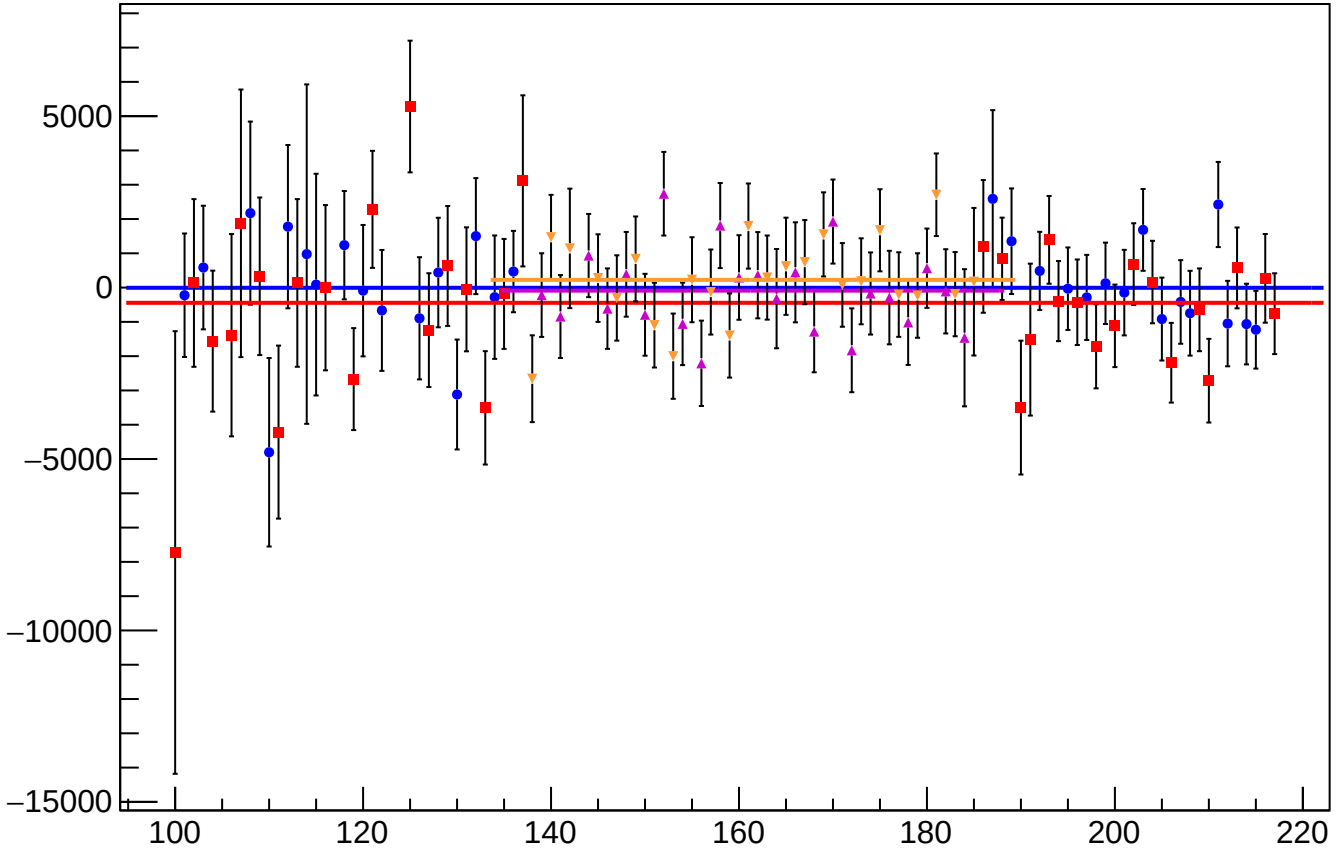
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 556.050+/-0.067 χ^2/NDF: 5102120.2/54

All: 560.881+/-0.047 χ^2/NDF: 12023141.3/11

- sign 565.822+/-0.068 χ^2/NDF: 6910431.8/57

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: -5.848+/-265.394 χ^2/NDF: 21.9/30

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -444.113+/-261.962 χ^2/NDF: 40.4/34

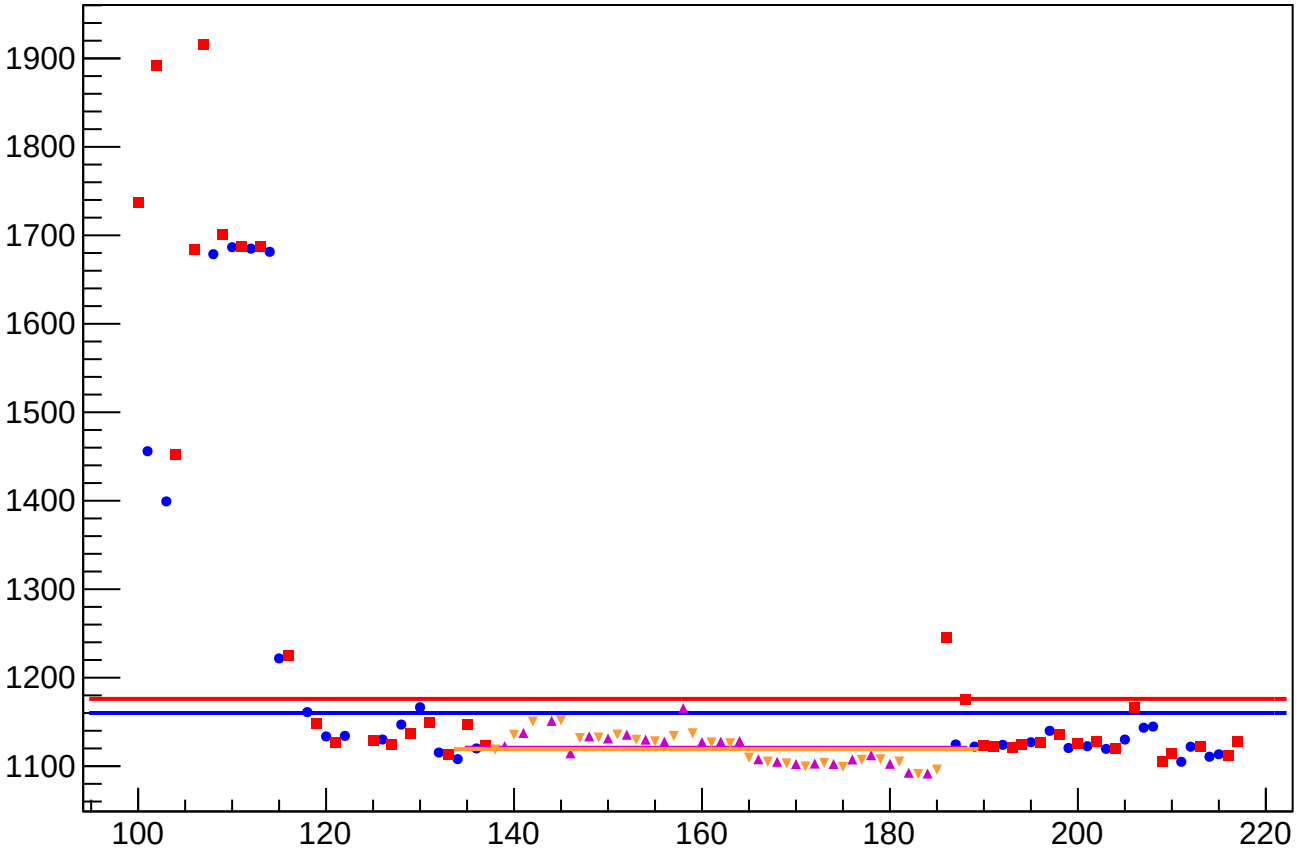
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 112.359+/-185.663 χ^2/NDF: 44.4/54

All: -77.561+/-131.101 χ^2/NDF: 108.4/112

- sign -266.430+/-185.148 χ^2/NDF: 61.9/57

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1160.079+/-0.188 χ^2/NDF: 391600.3/30

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

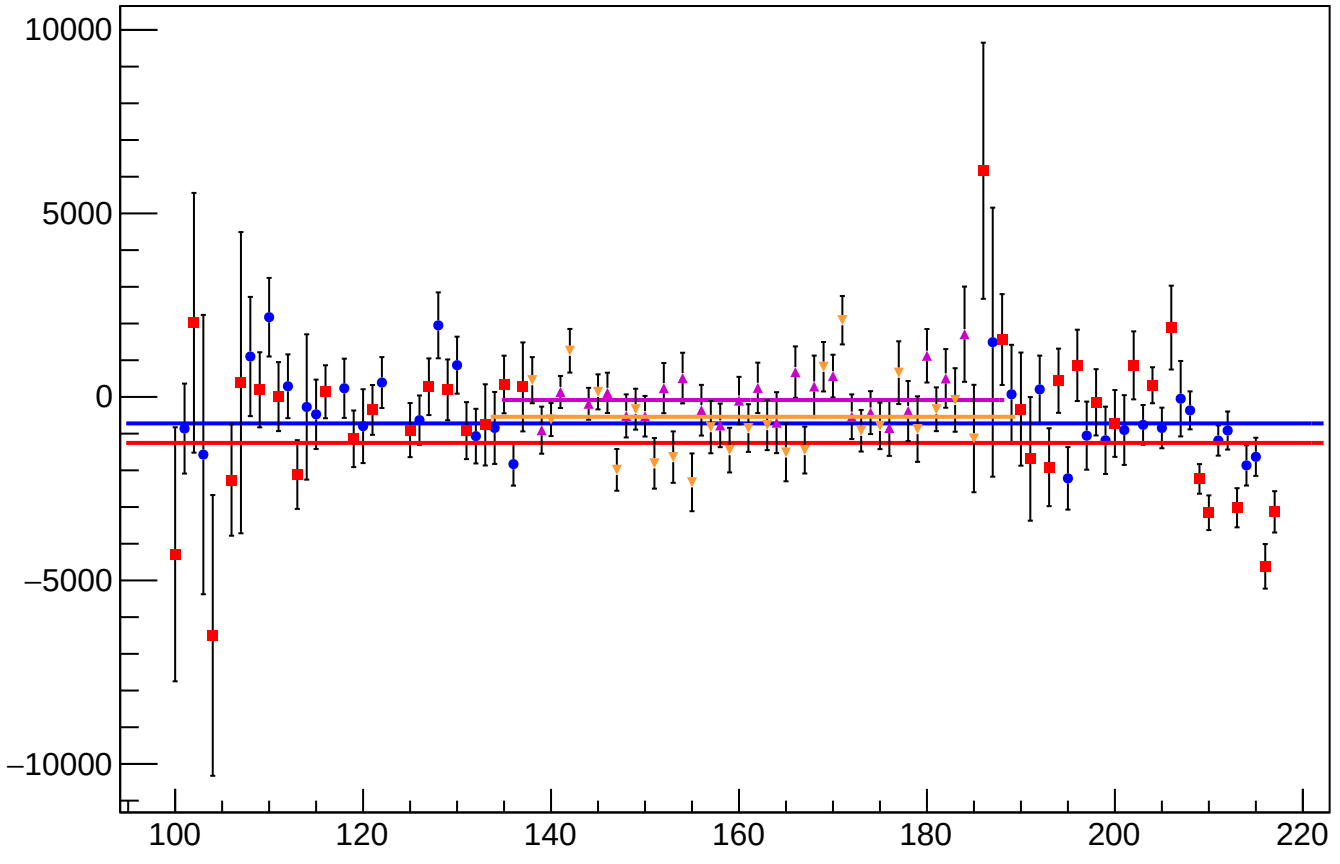
Right Out: 1176.024+/-0.185 χ^2/NDF: 694213.0/34

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1139.236+/-0.131 χ^2/NDF: 423903.7/54

All: 1143.824+/-0.093 χ^2/NDF: 1174460.1/11

- sign 1148.386+/-0.131 χ^2/NDF: 748120.9/57



Right In: -721.752+/-135.105 χ^2/NDF: 45.9/30

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -1253.156+/-137.662 χ^2/NDF: 146.3/34

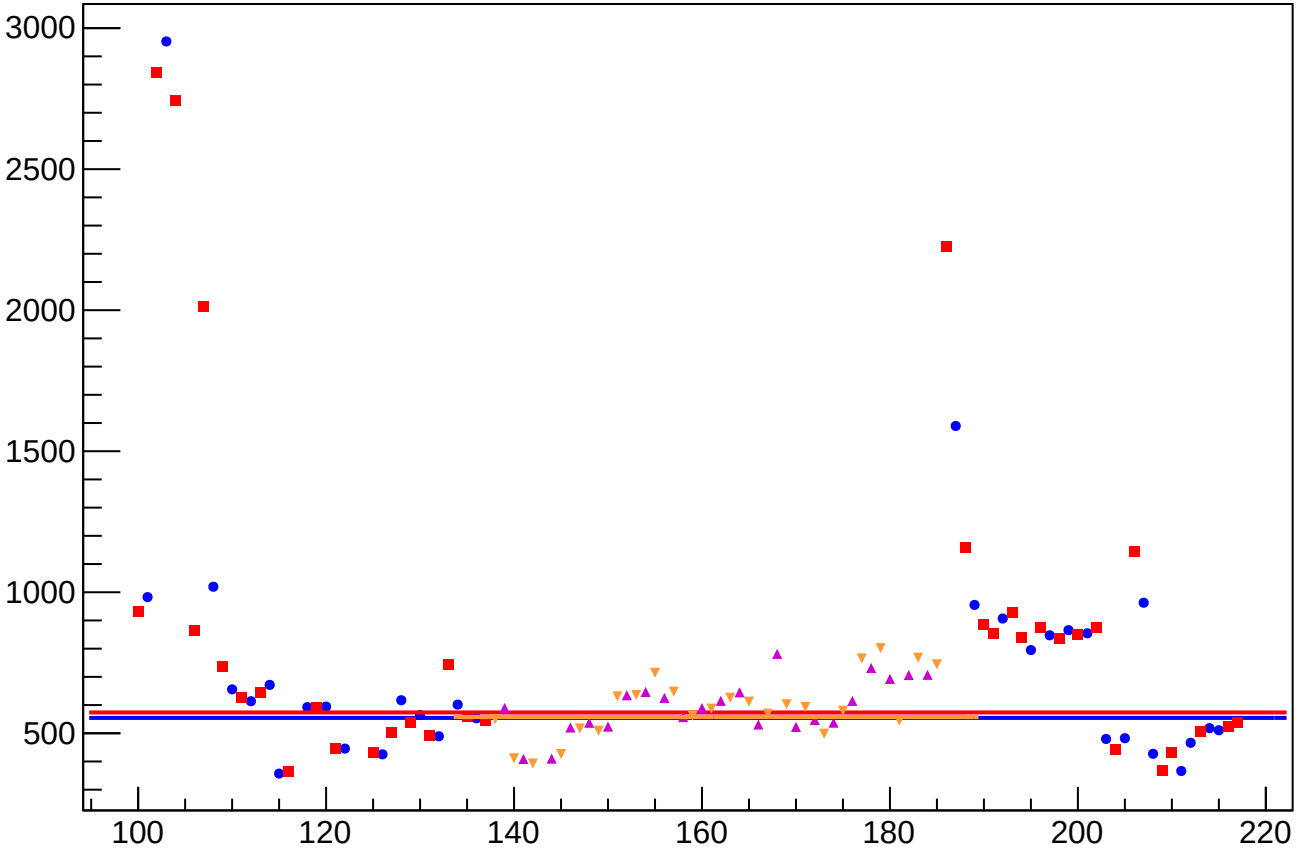
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -629.585+/-94.421 χ^2/NDF: 107.7/54

All: -637.960+/-67.138 χ^2/NDF: 307.9/112

- sign -646.524+/-95.482 χ^2/NDF: 200.1/57

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 554.436+/-0.096 χ^2/NDF: 3908294.7/30

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 573.834+/-0.097 χ^2/NDF: 5869568.1/34

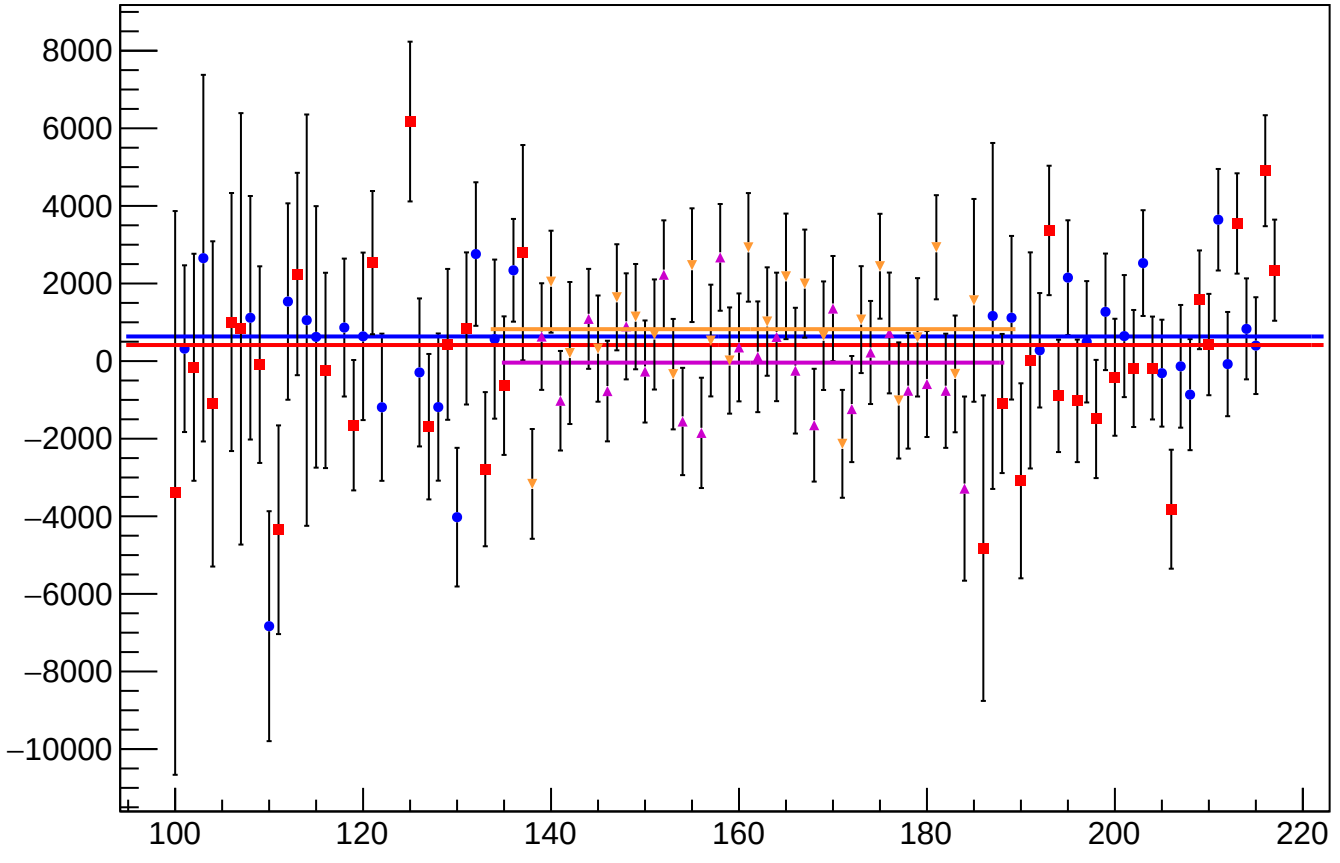
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 556.050+/-0.067 χ^2/NDF: 5102144.0/54

All: 560.881+/-0.047 χ^2/NDF: 12023188.5/11

- sign 565.821+/-0.068 χ^2/NDF: 6910455.1/57

asym_usl_atl1_dd_mean vs Slug



Right In: 634.911+/-311.521 χ^2/NDF: 29.3/30

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 414.223+/-310.258 χ^2/NDF: 57.7/34

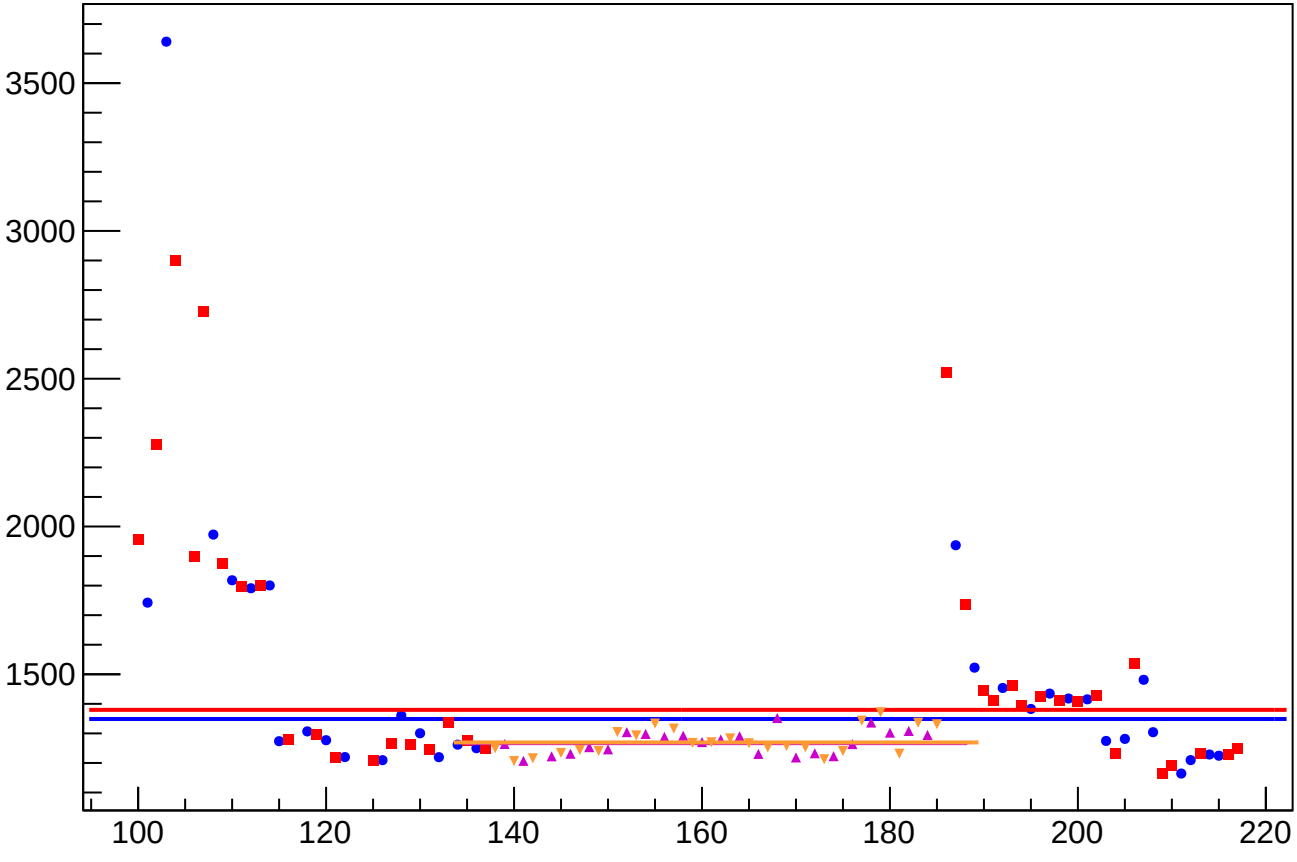
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 734.296+/-214.136 χ^2/NDF: 55.7/54

All: 455.490+/-151.429 χ^2/NDF: 135.8/112

- sign 176.599+/-214.169 χ^2/NDF: 76.7/57

asym_usl_atl1_dd_rms vs Slug



Right In: 1348.669+/-0.220 χ^2/NDF: 990784.4/30

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

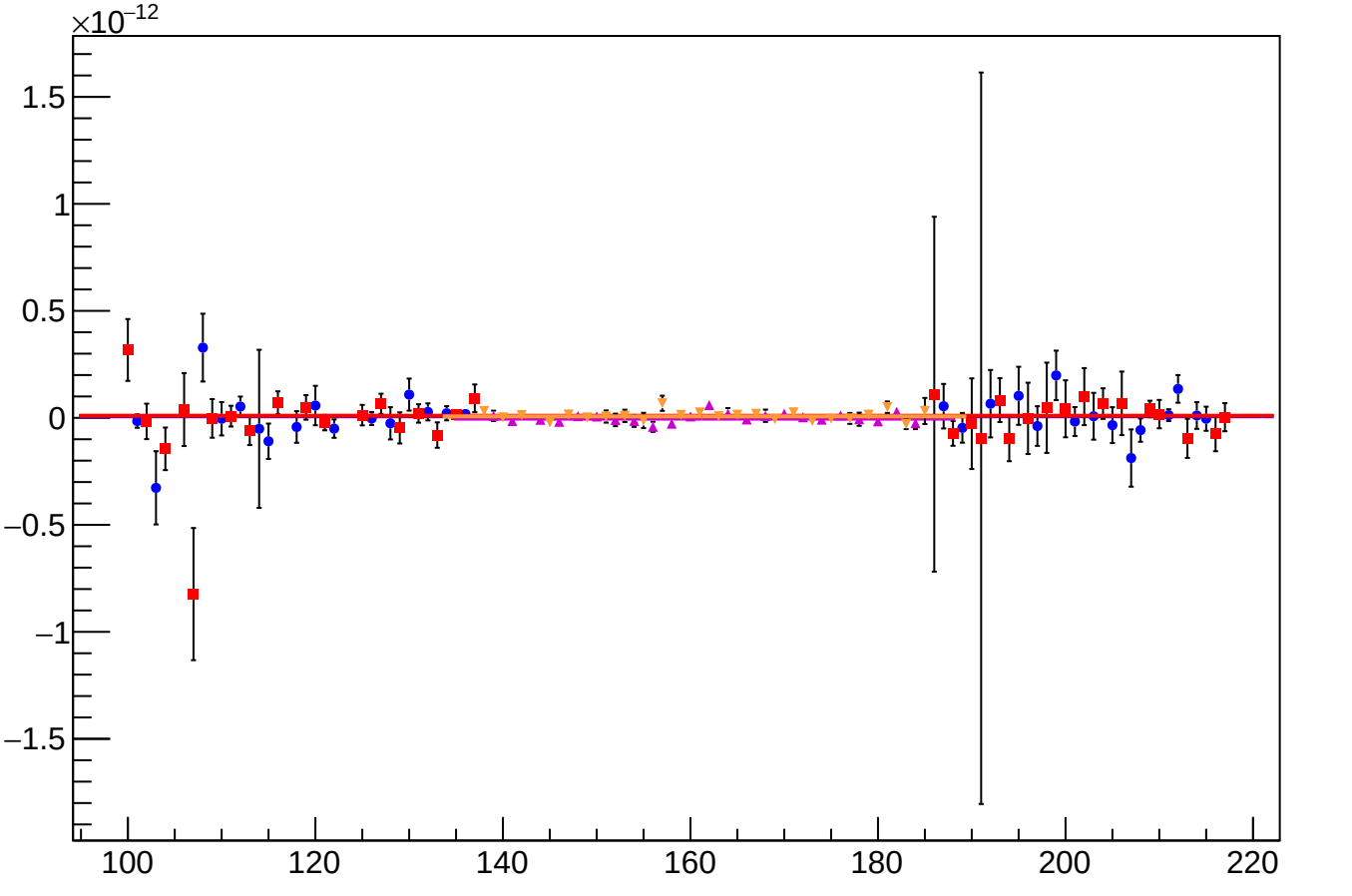
Right Out: 1379.662+/-0.219 χ^2/NDF: 1350805.2/34

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1306.876+/-0.151 χ^2/NDF: 1102064.0/54

All: 1313.796+/-0.107 χ^2/NDF: 2629489.1/11

- sign 1320.719+/-0.151 χ^2/NDF: 1523246.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/34

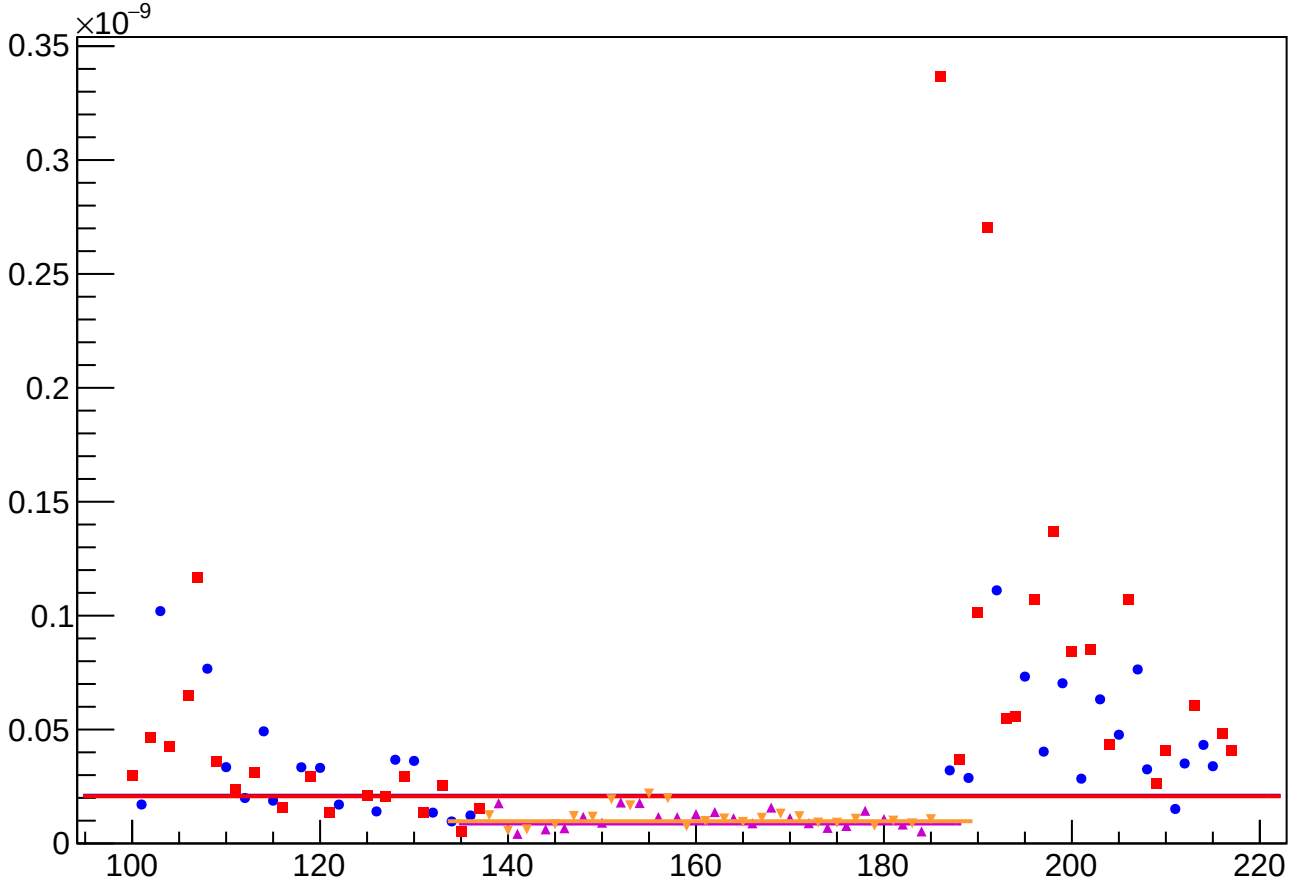
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/54

All: 0.000+/-0.000 χ^2/NDF: 108.9/112

- sign -0.000+/-0.000 χ^2/NDF: 56.8/57

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4851408.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8172014.0/34

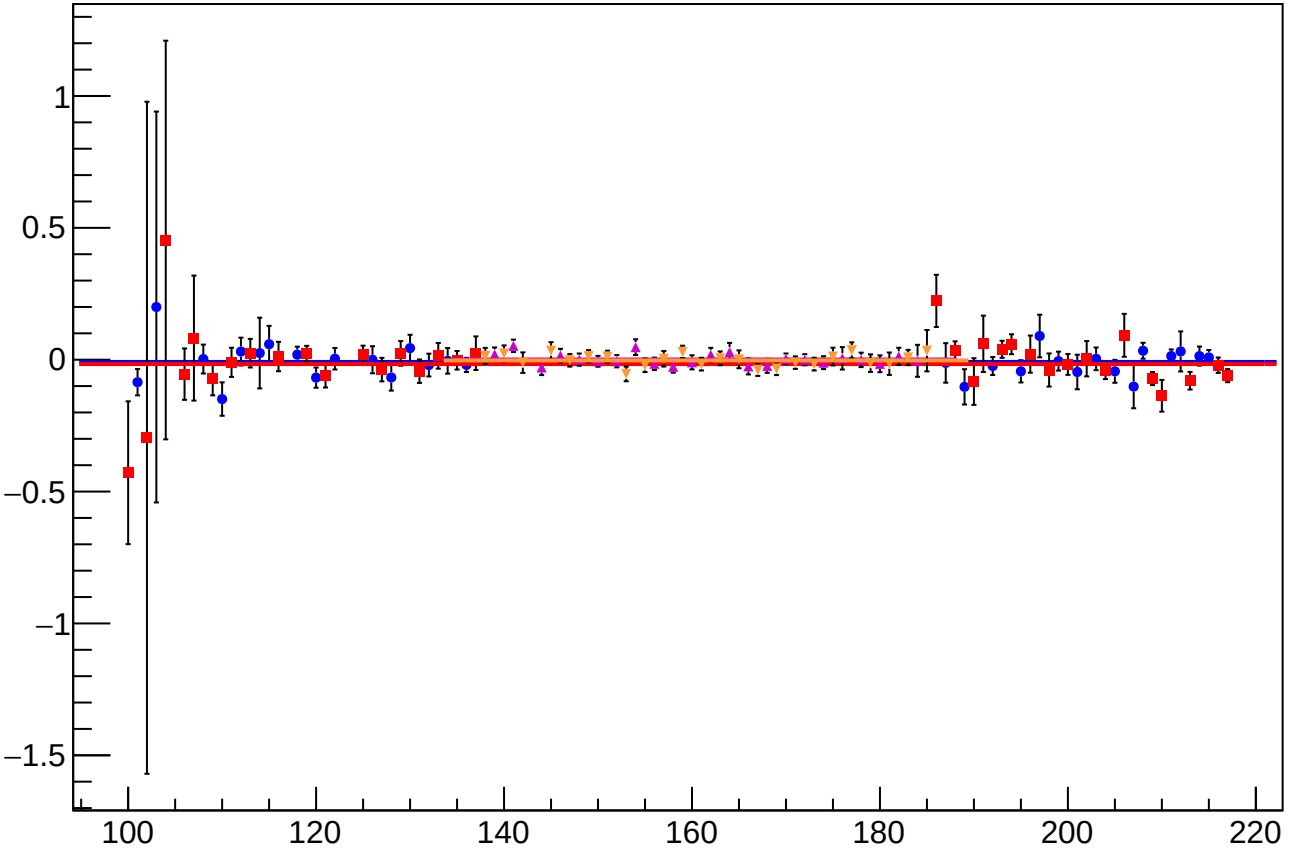
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8754539.1/54

All: 0.000+/-0.000 χ^2/NDF: 21748245.1/112

- sign 0.000+/-0.000 χ^2/NDF: 12881721.0/57

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

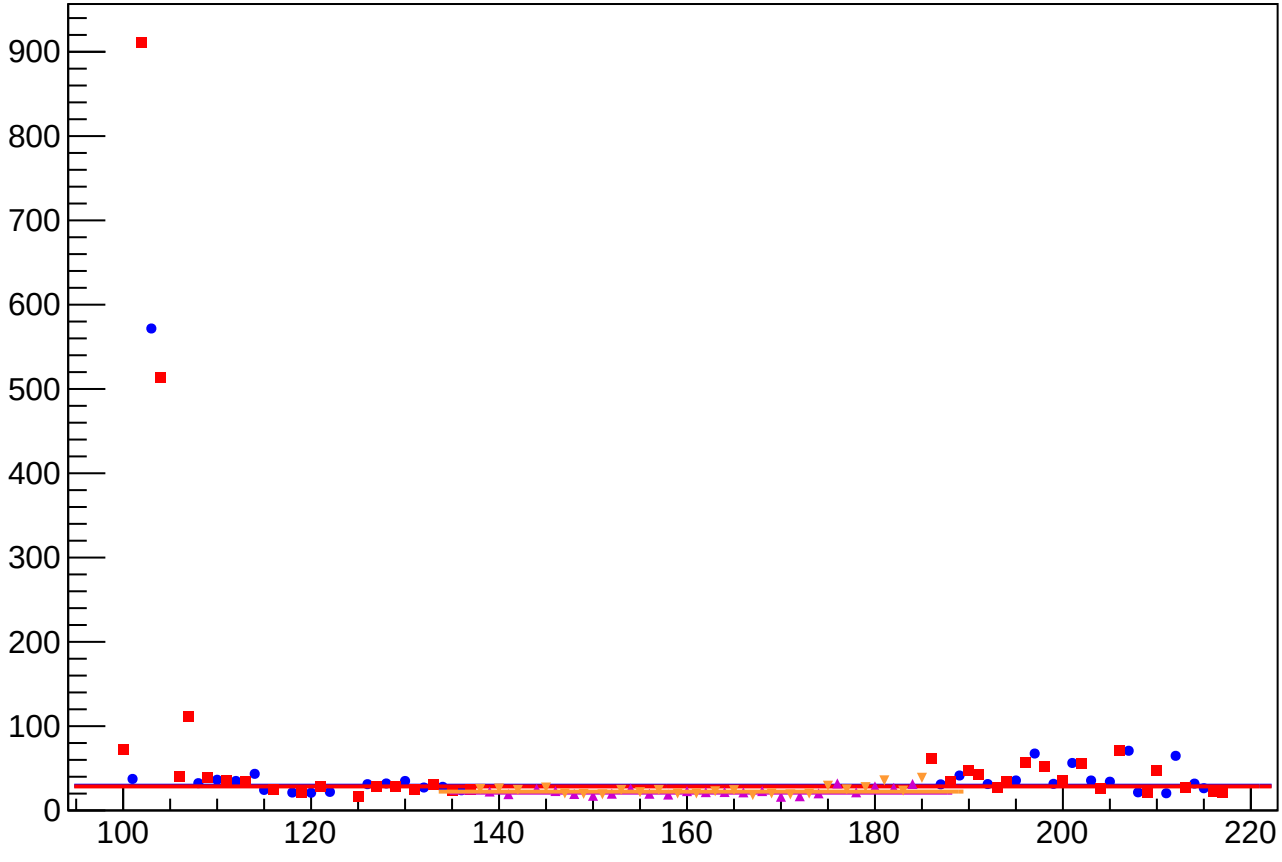
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.3/54

All: -0.005+/-0.003 χ^2/NDF: 106.2/112

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.368+/-0.005 χ^2/NDF: 3973925.2/30

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

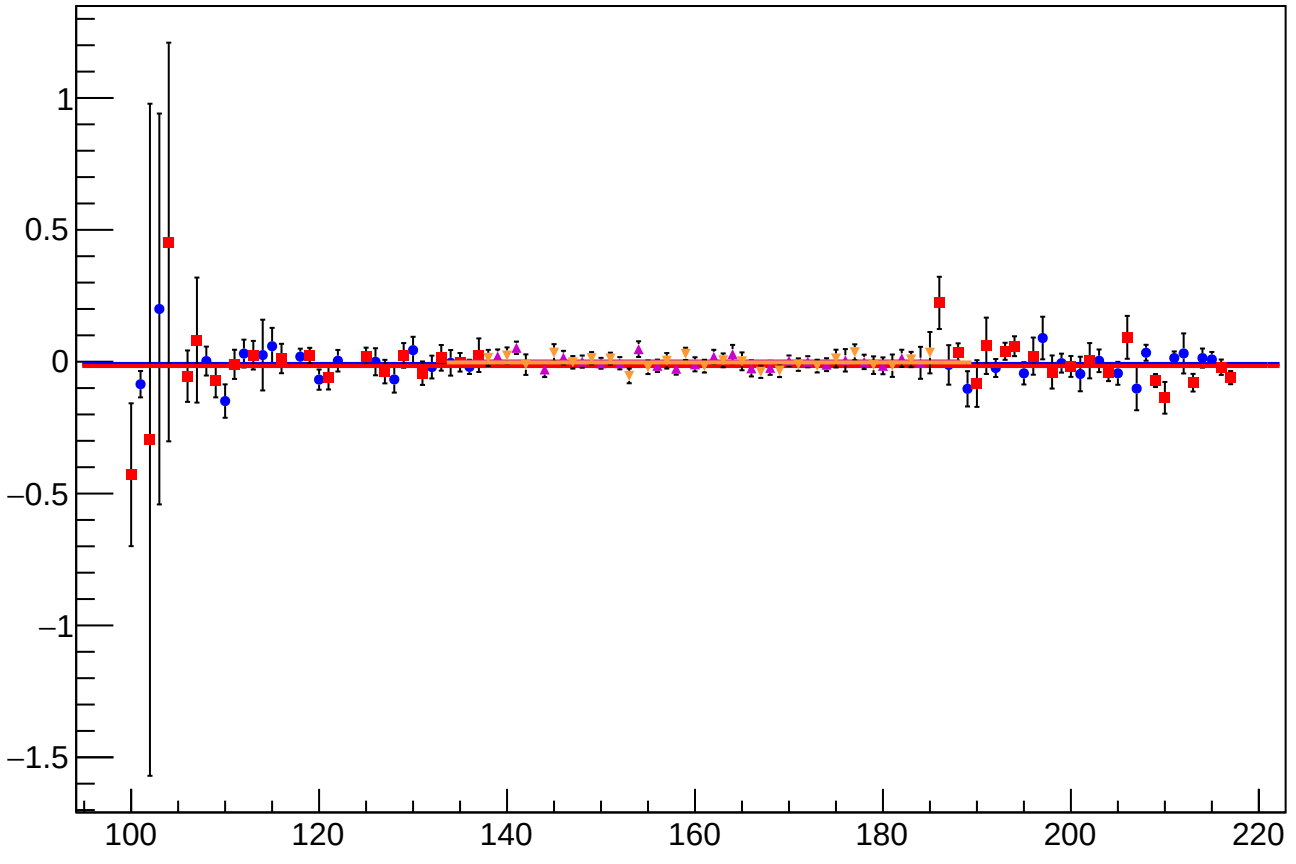
Right Out: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.799+/-0.003 χ^2/NDF: 5850875.1/54

All: 24.211+/-0.002 χ^2/NDF: 13341168.6/112

- sign 23.666+/-0.003 χ^2/NDF: 7427045.3/57



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

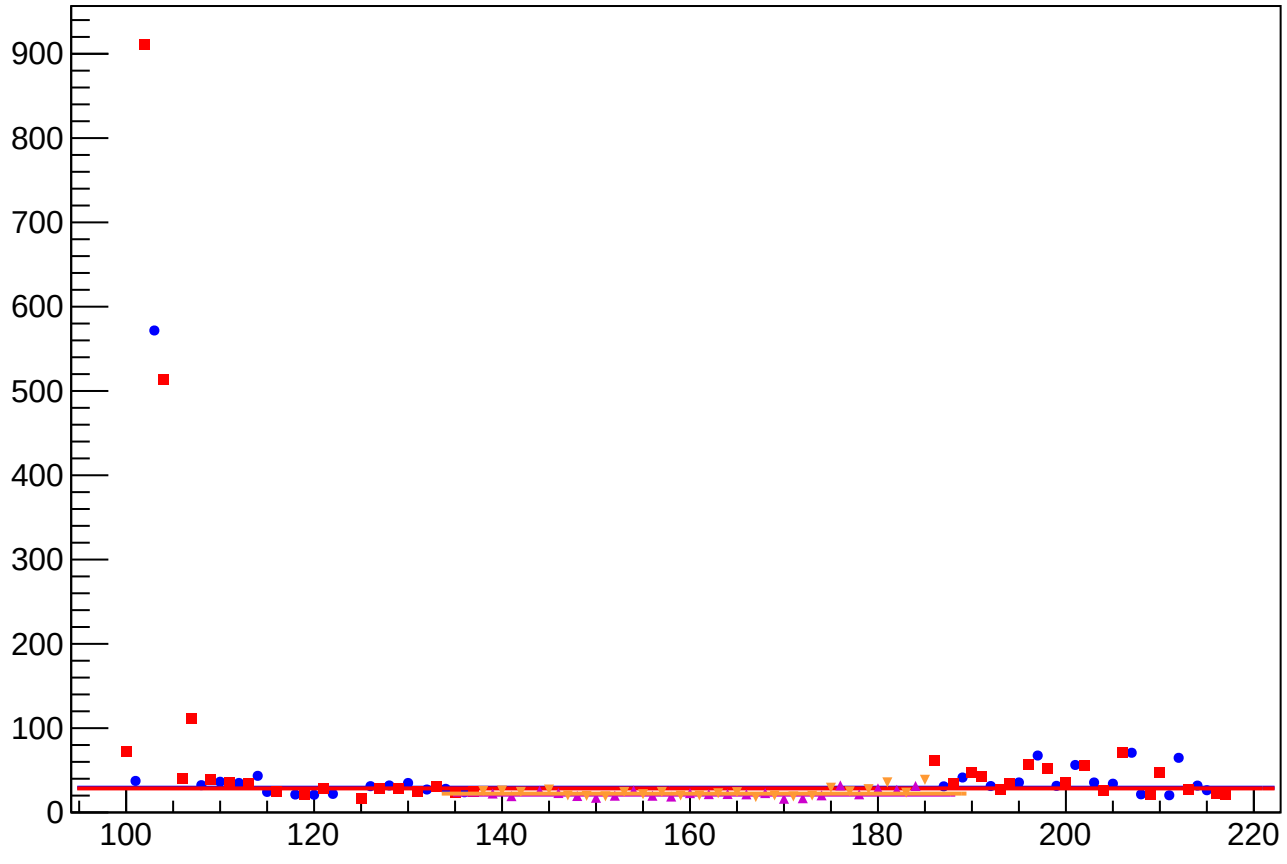
Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.3/54

All: -0.005+/-0.003 χ^2/NDF: 106.2/112

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57



Right In: 29.368+/-0.005 χ^2/NDF: 3973925.2/30

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

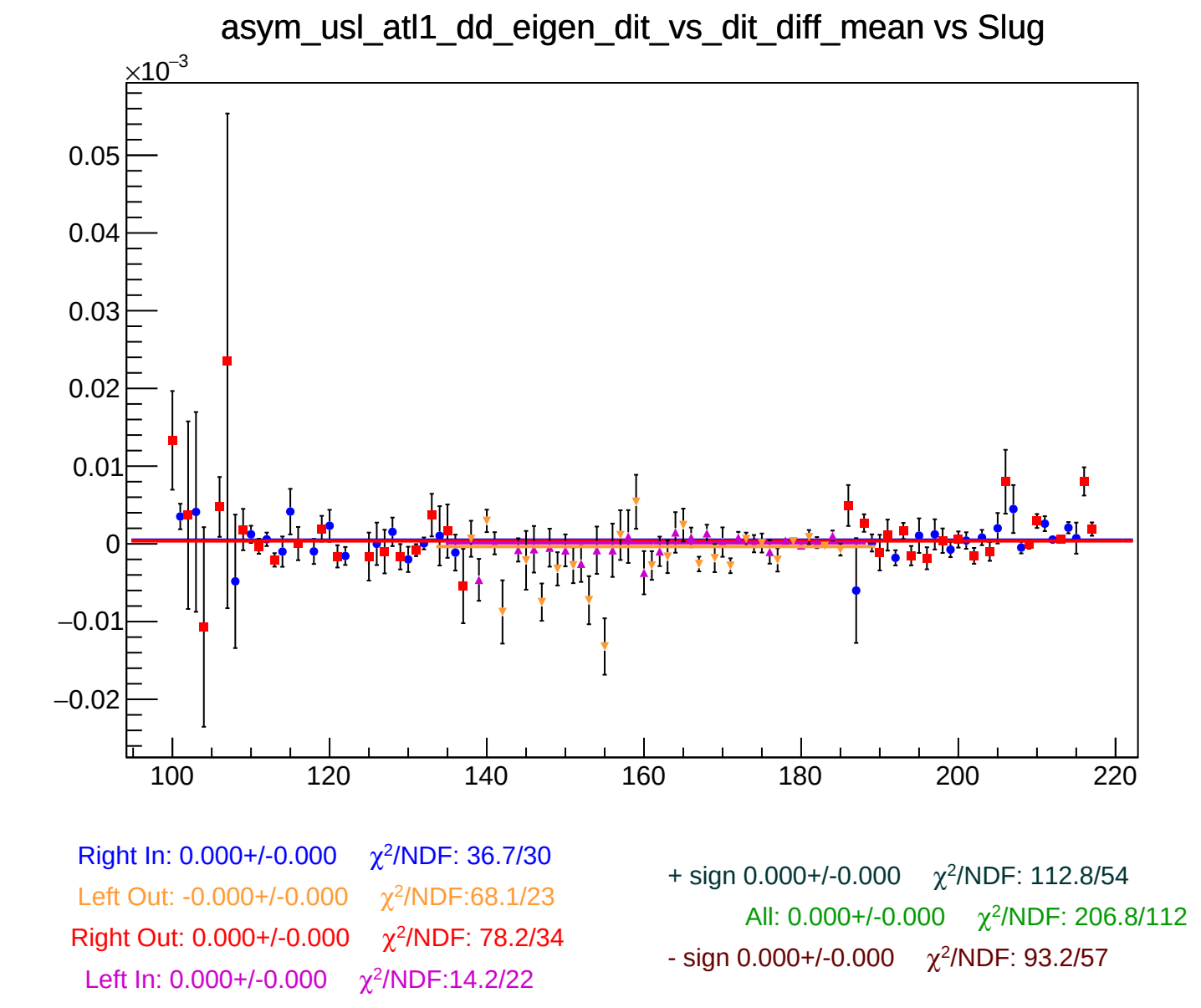
Right Out: 28.515+/-0.005 χ^2/NDF: 5333560.0/34

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

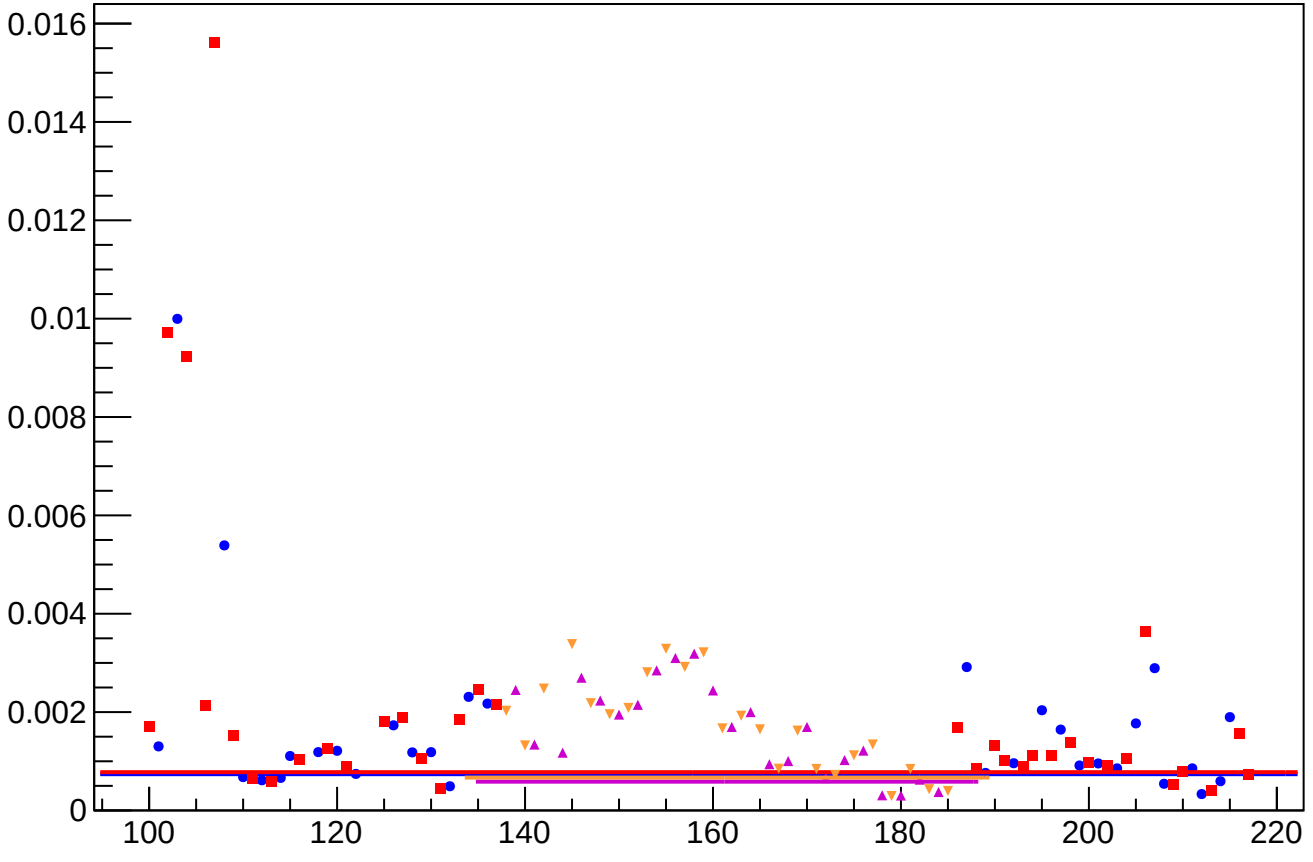
+ sign 24.799+/-0.003 χ^2/NDF: 5850875.1/54

All: 24.211+/-0.002 χ^2/NDF: 13341168.6/112

- sign 23.666+/-0.003 χ^2/NDF: 7427045.3/57


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 36.7/30
Left Out: -0.000+/-0.000 χ²/NDF:68.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 78.2/34
Left In: 0.000+/-0.000 χ²/NDF:14.2/22
+ sign 0.000+/-0.000 χ²/NDF: 112.8/54
All: 0.000+/-0.000 χ²/NDF: 206.8/112
- sign 0.000+/-0.000 χ²/NDF: 93.2/57

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10059907.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

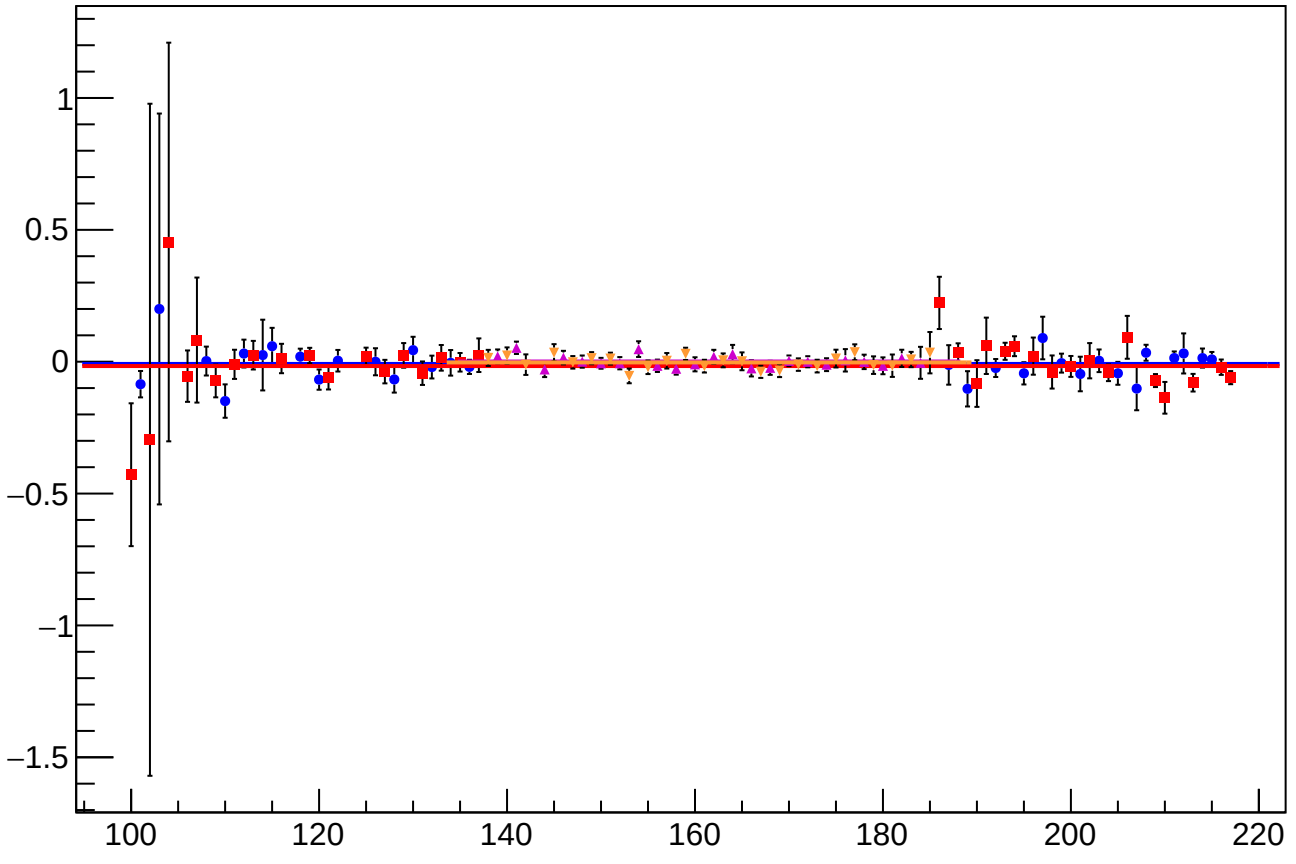
Right Out: 0.001+/-0.000 χ^2/NDF: 9189087.7/34

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 25550528.4/54

All: 0.001+/-0.000 χ^2/NDF: 51390601.6/112

- sign 0.001+/-0.000 χ^2/NDF: 25791625.8/57



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

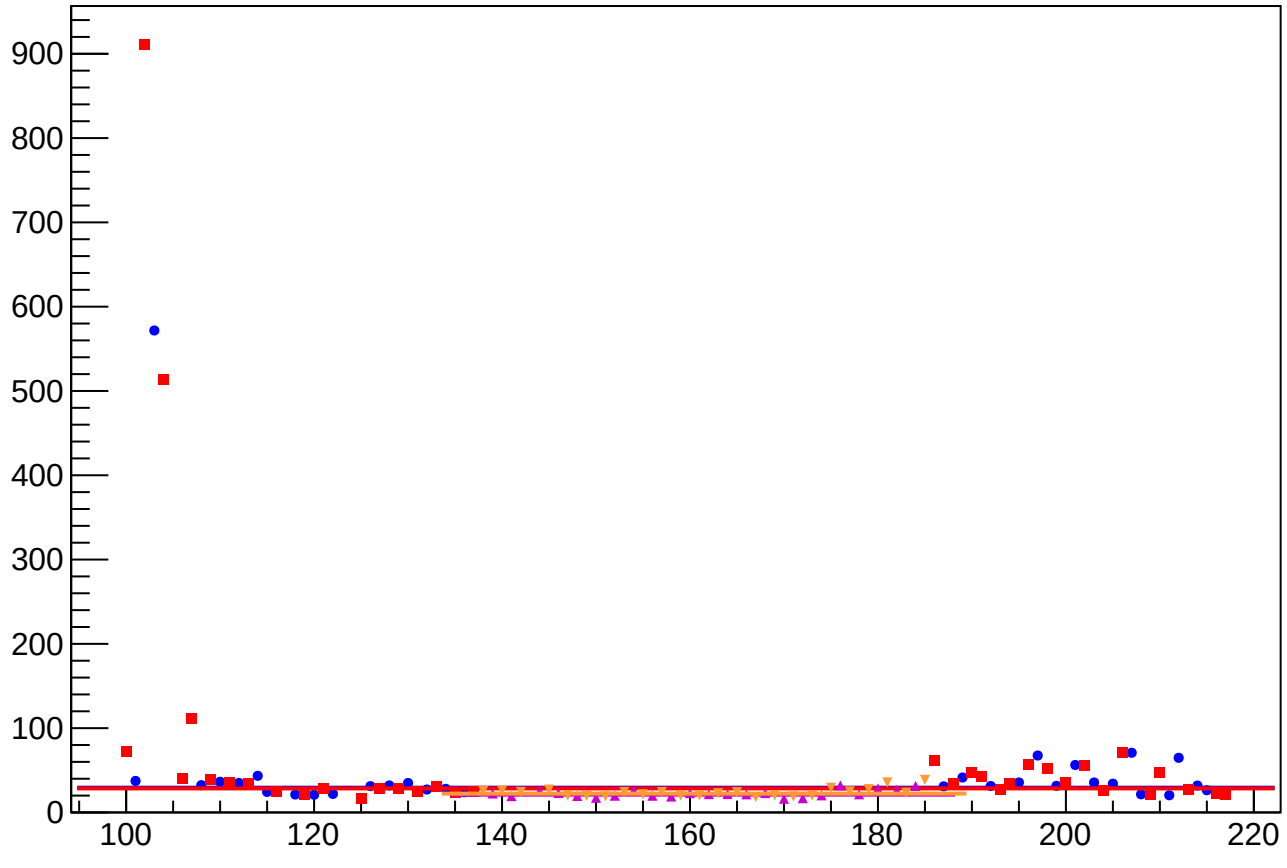
Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.3/54

All: -0.005+/-0.003 χ^2/NDF: 106.2/112

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57



Right In: 29.368+/-0.005 χ^2/NDF: 3973979.1/30

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

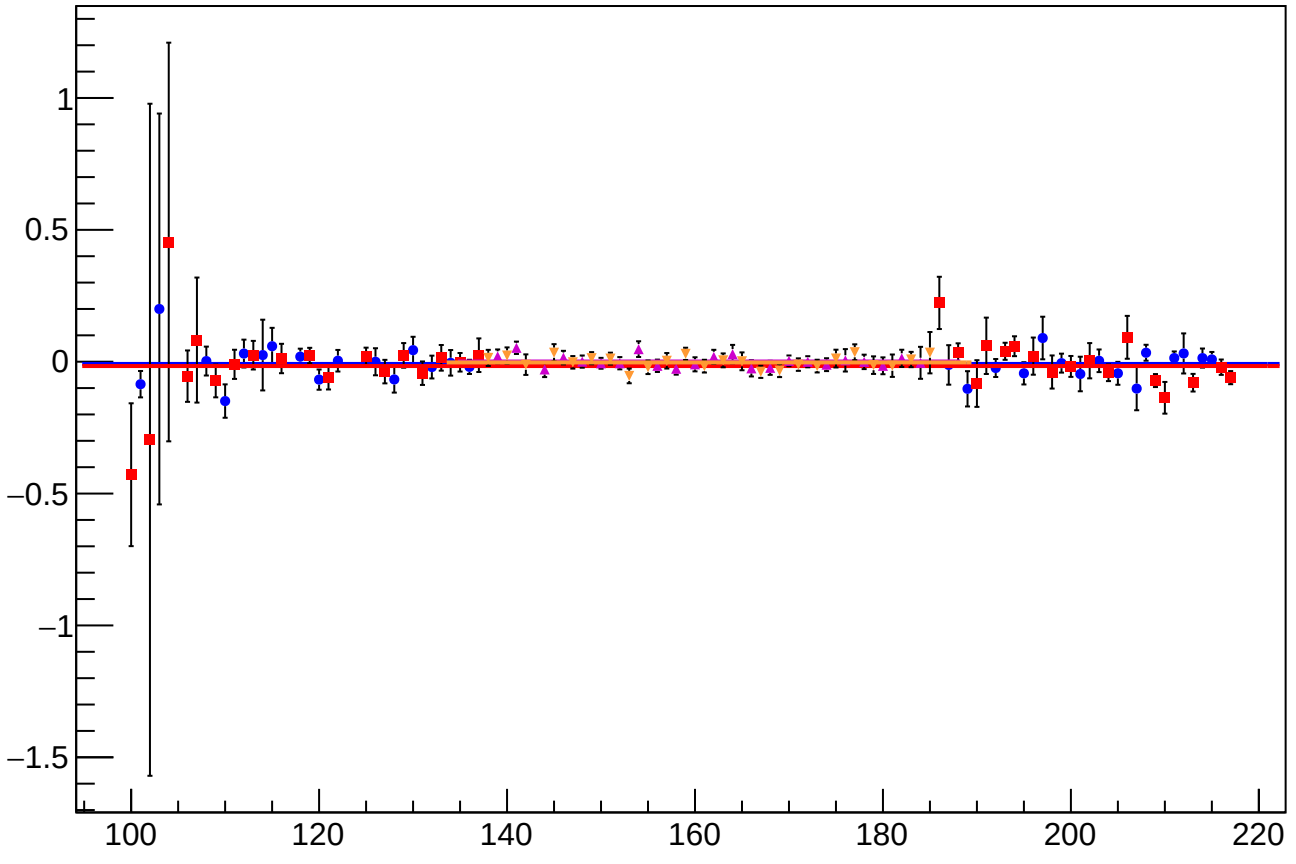
Right Out: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.799+/-0.003 χ^2/NDF: 5850926.6/54

All: 24.211+/-0.002 χ^2/NDF: 13341322.3/112

- sign 23.666+/-0.003 χ^2/NDF: 7427147.1/57



Right In: -0.008+/-0.008 χ^2/NDF: 25.6/30

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

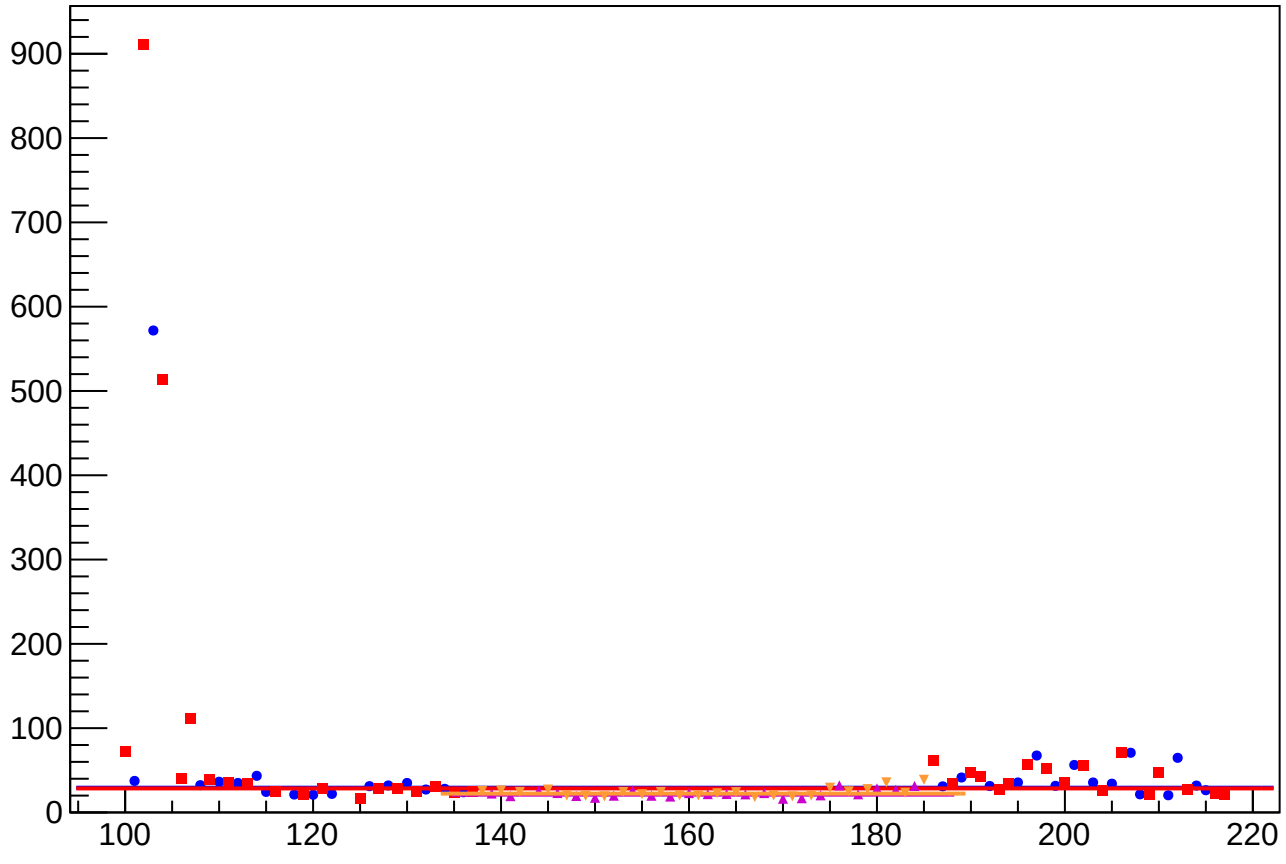
Right Out: -0.016+/-0.008 χ^2/NDF: 45.5/34

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.3/54

All: -0.005+/-0.003 χ^2/NDF: 106.2/112

- sign -0.005+/-0.004 χ^2/NDF: 63.9/57



Right In: 29.368+/-0.005 χ^2/NDF: 3973979.1/30

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

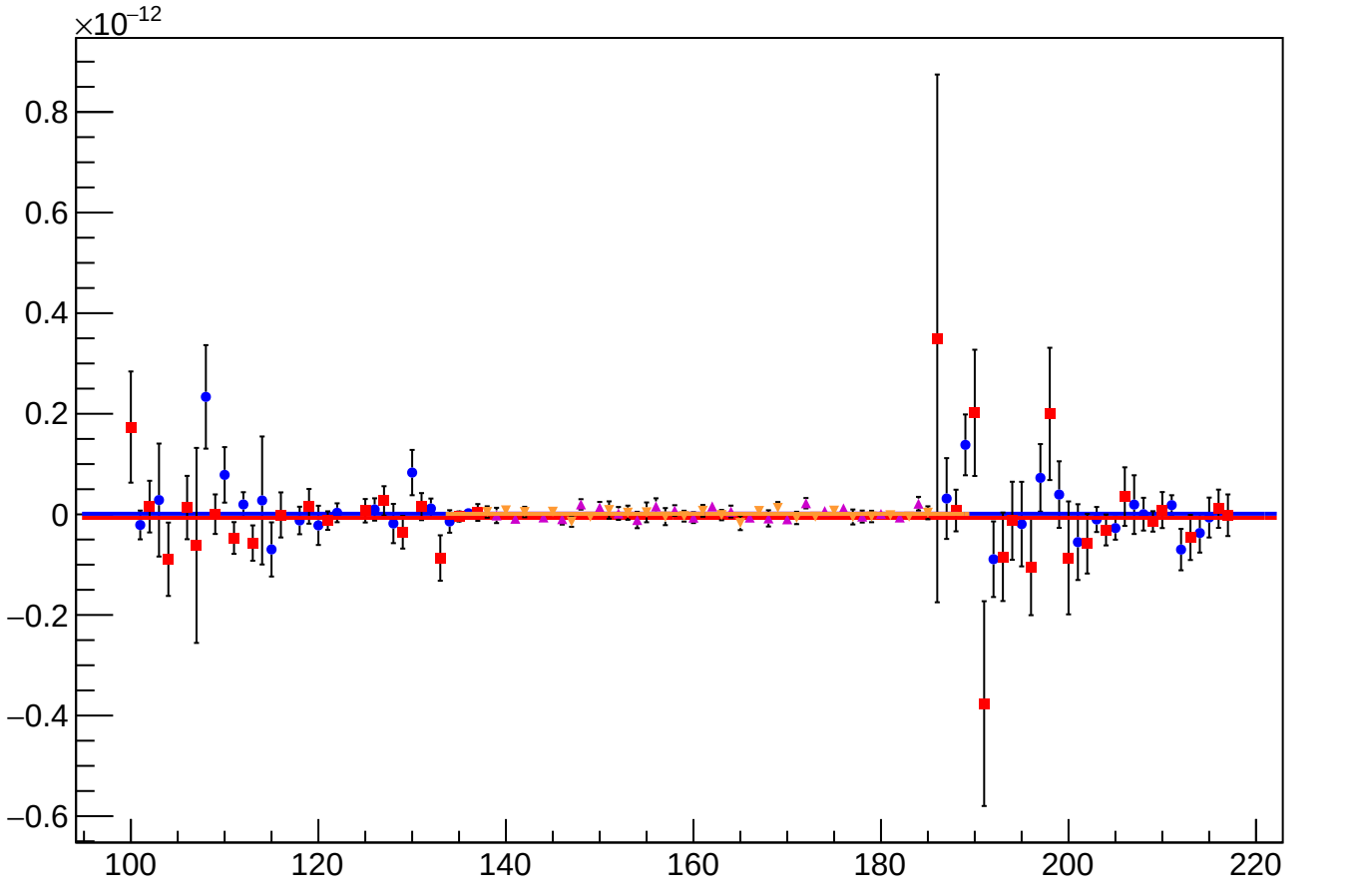
Right Out: 28.515+/-0.005 χ^2/NDF: 5333650.6/34

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.799+/-0.003 χ^2/NDF: 5850926.6/54

All: 24.211+/-0.002 χ^2/NDF: 13341322.3/112

- sign 23.666+/-0.003 χ^2/NDF: 7427147.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

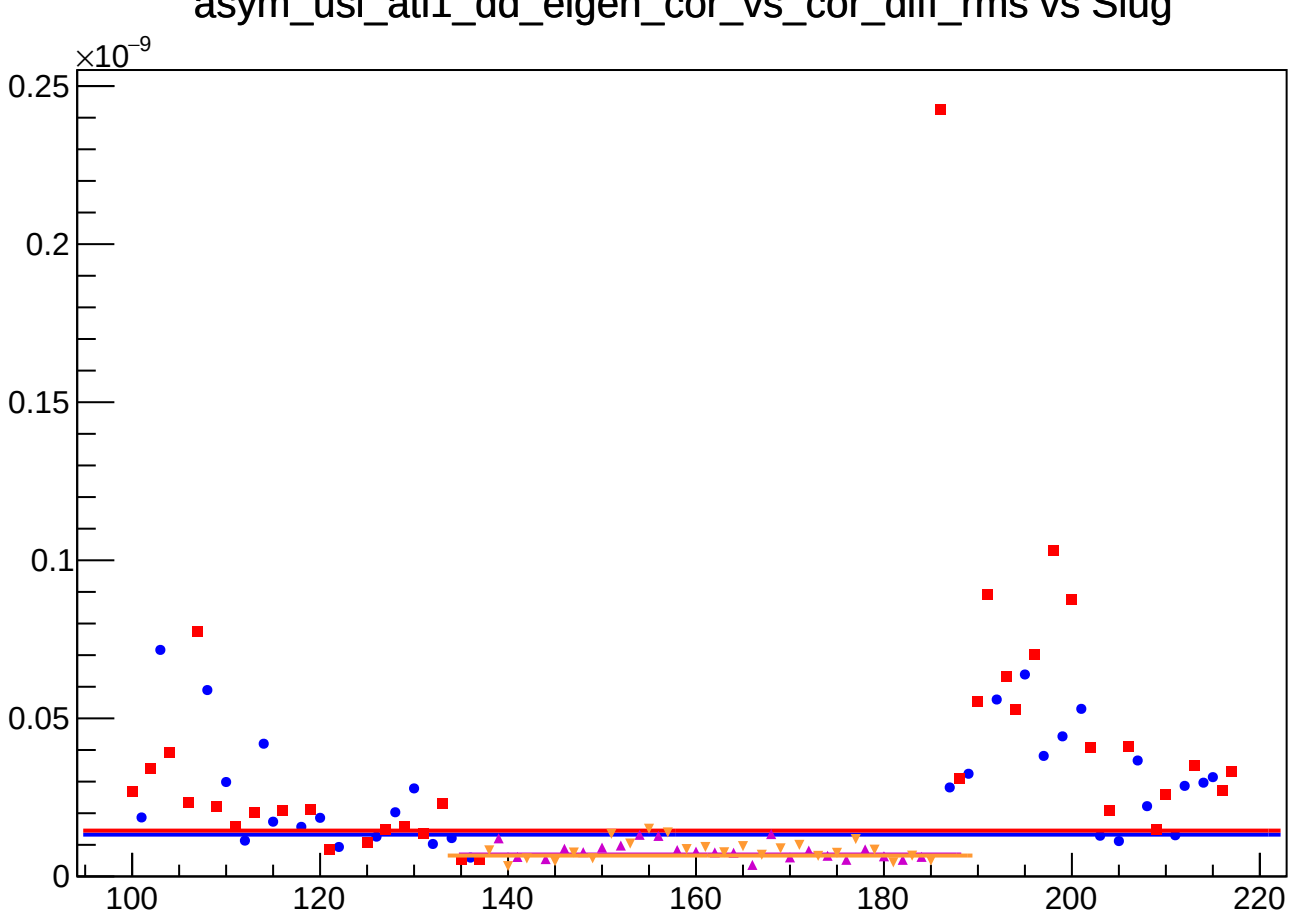
Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/34

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/54

All: 0.000+/-0.000 χ^2/NDF: 100.0/112

- sign 0.000+/-0.000 χ^2/NDF: 57.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 7725936.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10459921.7/34

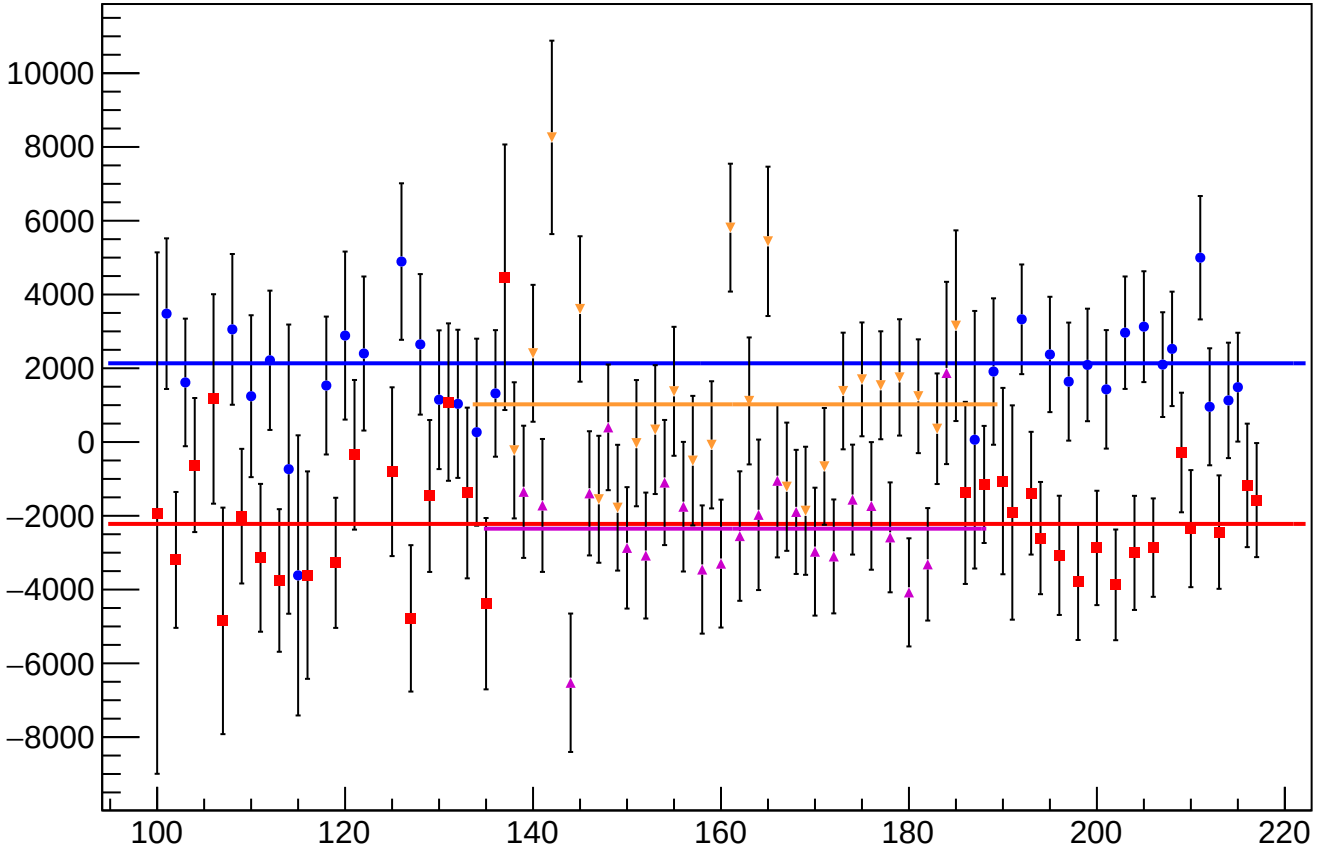
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14269265.8/54

All: 0.000+/-0.000 χ^2/NDF: 30563931.4/112

- sign 0.000+/-0.000 χ^2/NDF: 16256448.4/57

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2134.856+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.860+/-317.271 χ^2/NDF: 20.8/34

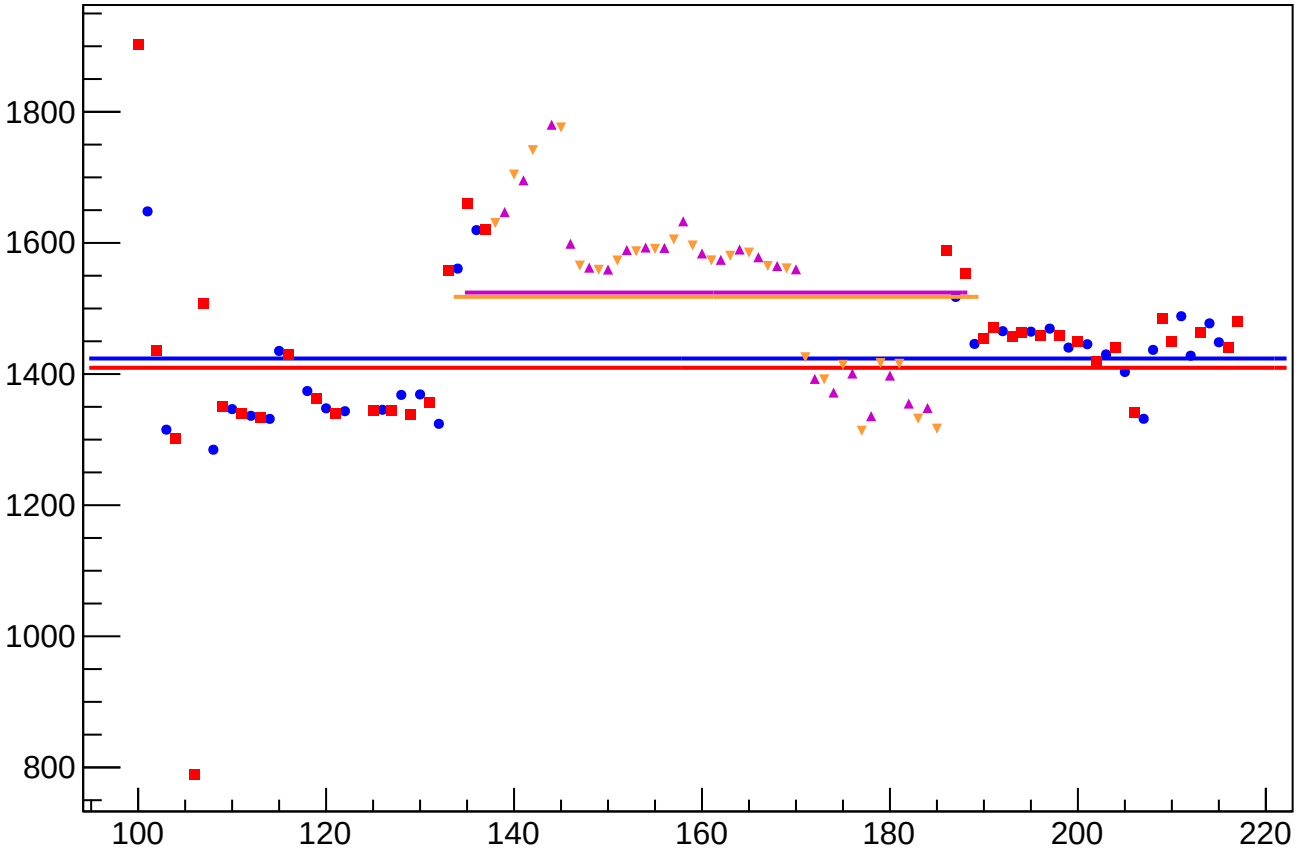
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1625.645+/-239.159 χ^2/NDF: 55.1/54

All: -341.915+/-168.404 χ^2/NDF: 226.2/112

- sign -2276.919+/-237.172 χ^2/NDF: 36.9/57

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1409.565+/-0.222 χ^2/NDF: 414818.6/34

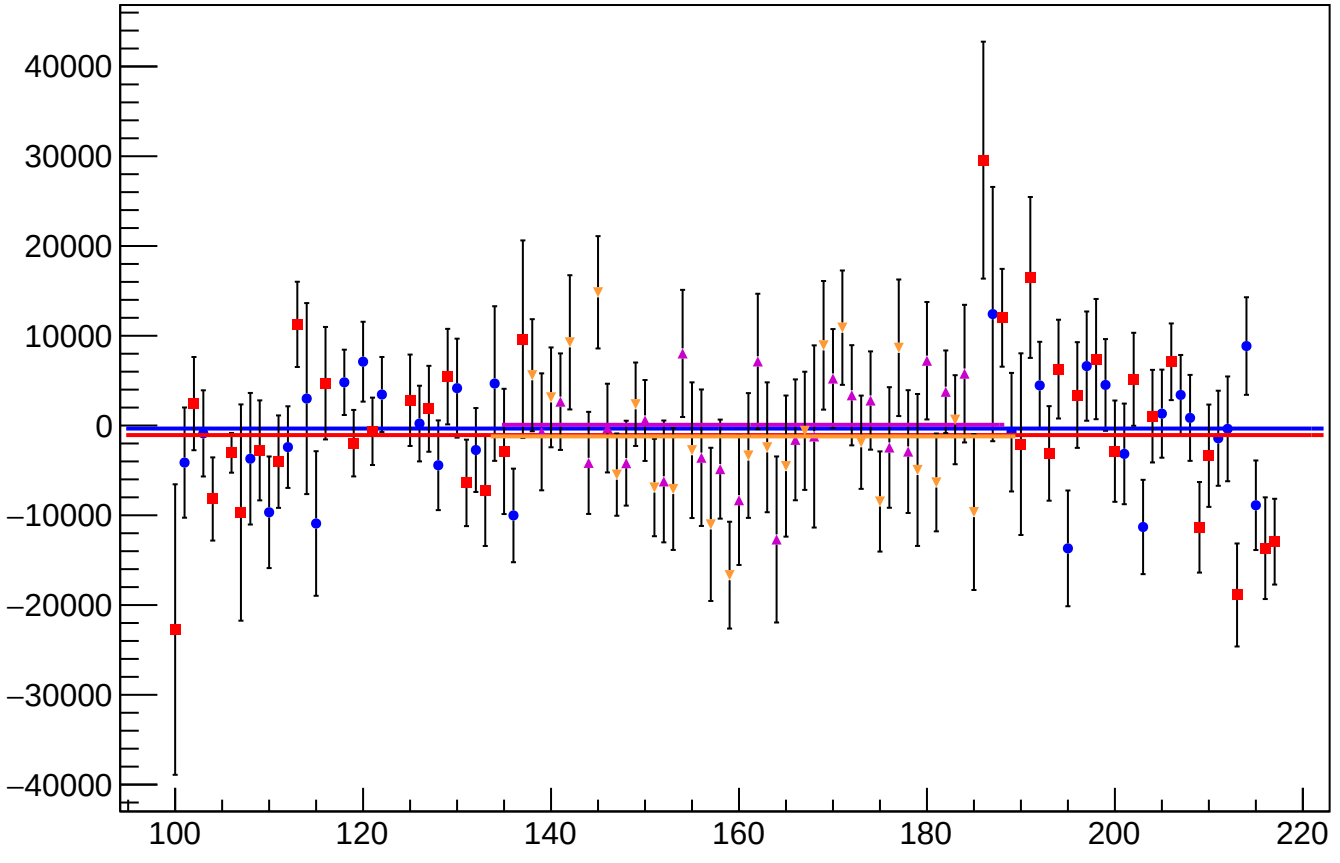
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.808+/-0.169 χ^2/NDF: 431198.3/54

All: 1463.103+/-0.119 χ^2/NDF: 1187935.6/11

- sign 1459.508+/-0.167 χ^2/NDF: 755791.6/57

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -337.194+/-954.408 χ^2/NDF: 35.5/30

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1064.302+/-871.812 χ^2/NDF: 69.2/34

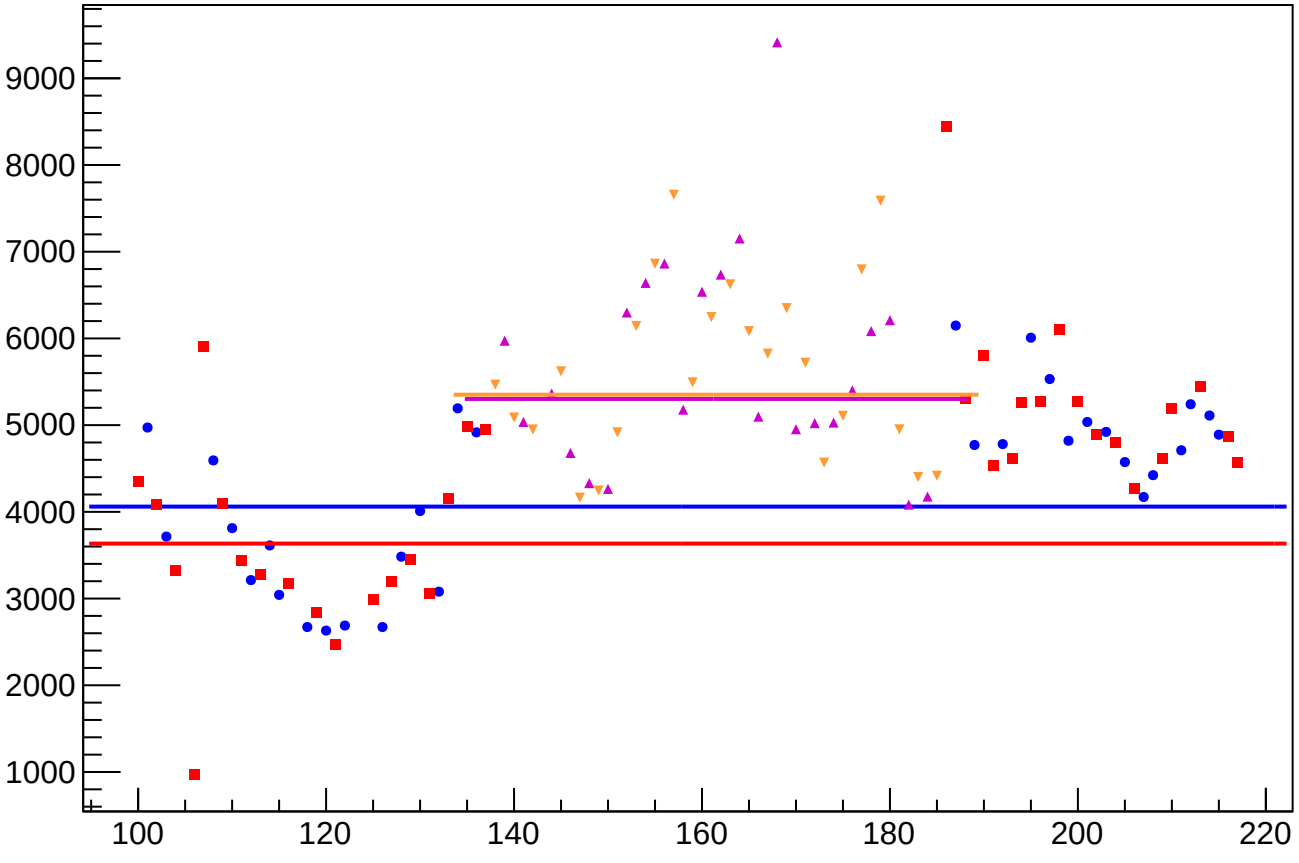
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -653.428+/-762.610 χ^2/NDF: 69.1/54

All: -675.631+/-522.656 χ^2/NDF: 152.0/112

- sign -695.297+/-717.723 χ^2/NDF: 83.0/57

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 4060.596+/-0.675 χ^2/NDF: 2152006.0/30

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3633.953+/-0.616 χ^2/NDF: 5783845.6/34

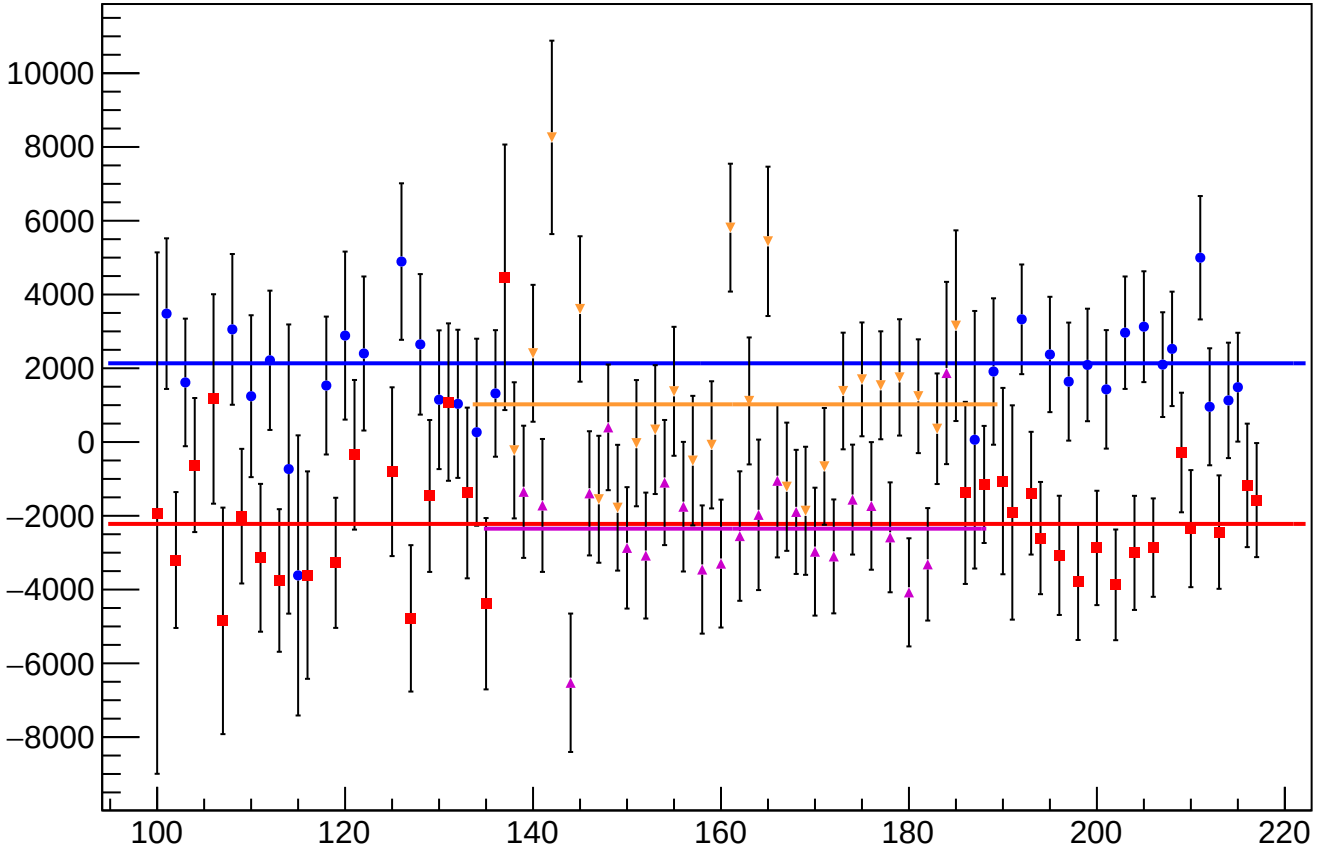
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4527.168+/-0.539 χ^2/NDF: 4540105.1/54

All: 4338.583+/-0.370 χ^2/NDF: 14170788.7/1

- sign 4171.544+/-0.508 χ^2/NDF: 9400049.1/57

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2134.825+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.914+/-317.272 χ^2/NDF: 20.8/34

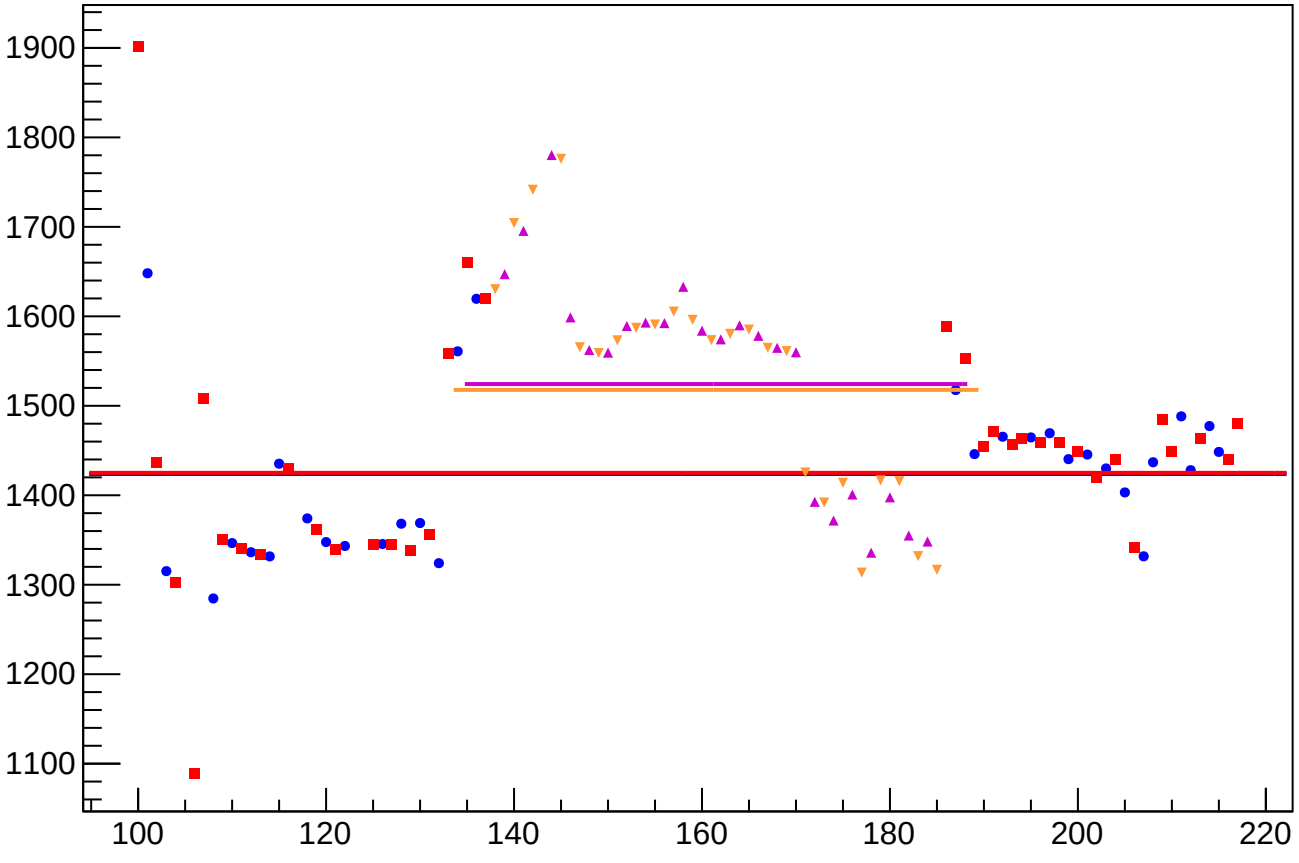
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1625.641+/-239.159 χ^2/NDF: 55.1/54

All: -341.929+/-168.404 χ^2/NDF: 226.2/112

- sign -2276.947+/-237.172 χ^2/NDF: 36.9/57

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

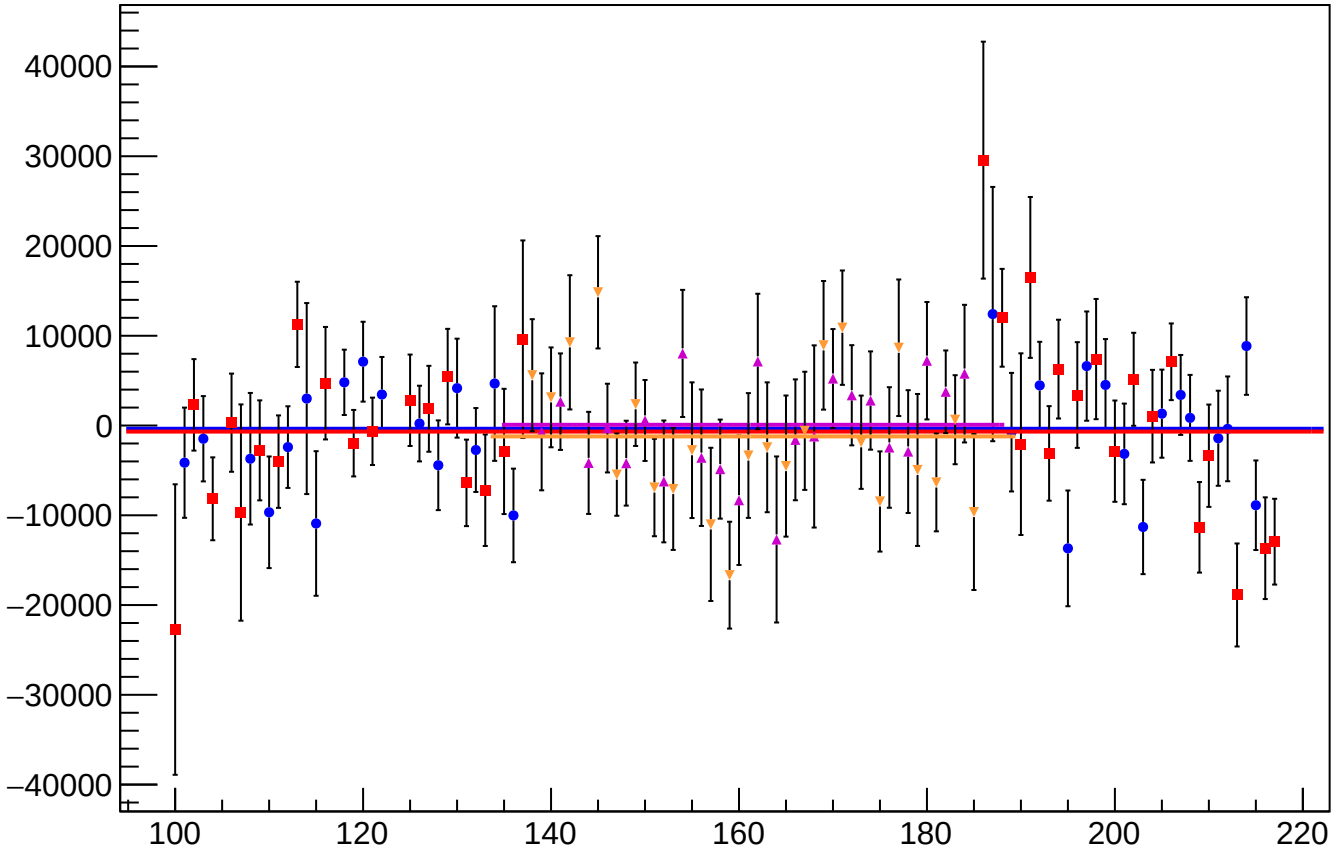
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.808+/-0.169 χ^2/NDF: 431198.4/54

All: 1467.718+/-0.119 χ^2/NDF: 916488.3/112

- sign 1468.609+/-0.167 χ^2/NDF: 485232.5/57

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -361.963+/-954.013 χ^2/NDF: 35.6/30

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

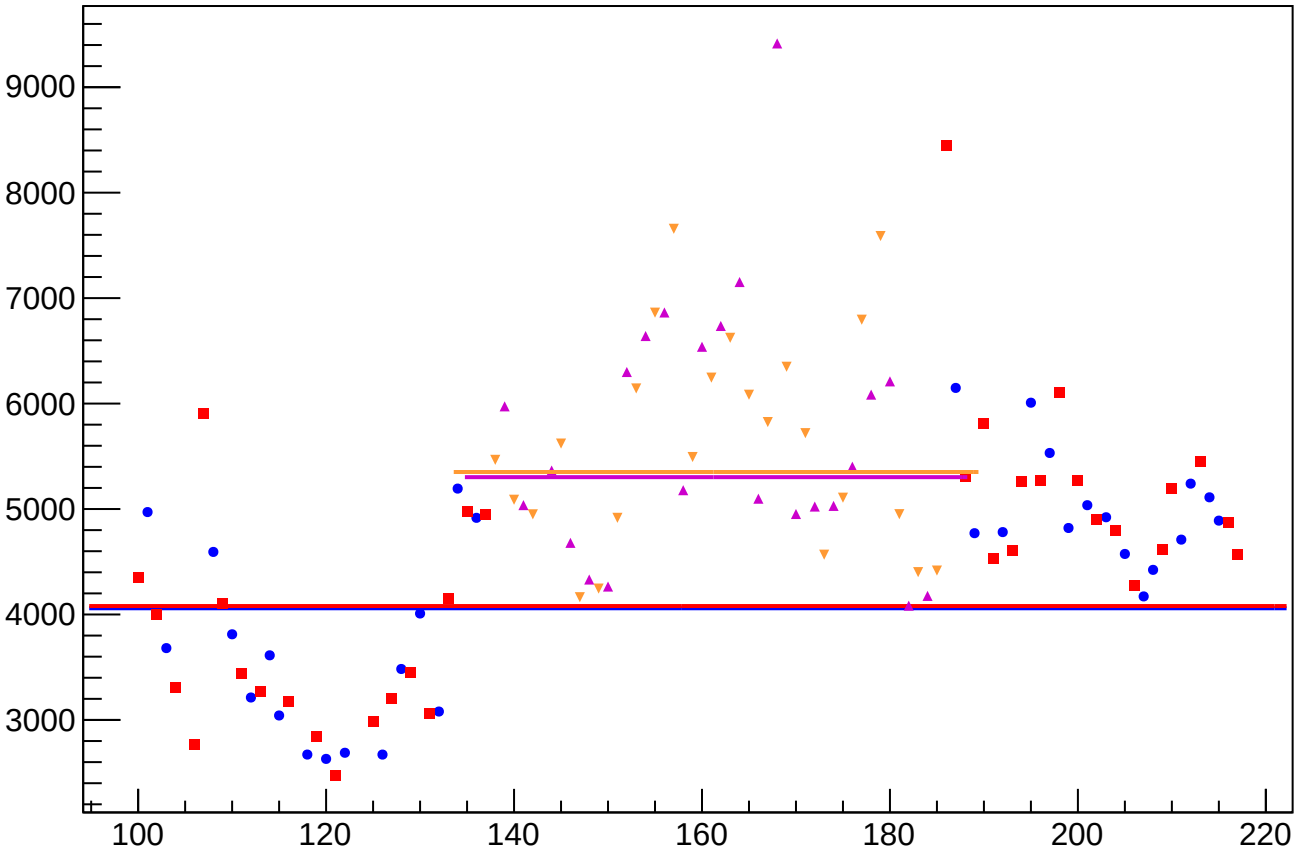
Right Out: -674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -669.079+/-762.409 χ^2/NDF: 69.1/54

All: -536.479+/-535.068 χ^2/NDF: 150.9/112

- sign -407.778+/-751.118 χ^2/NDF: 81.7/57



Right In: 4058.944+/-0.675 χ^2/NDF: 2154282.0/30

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

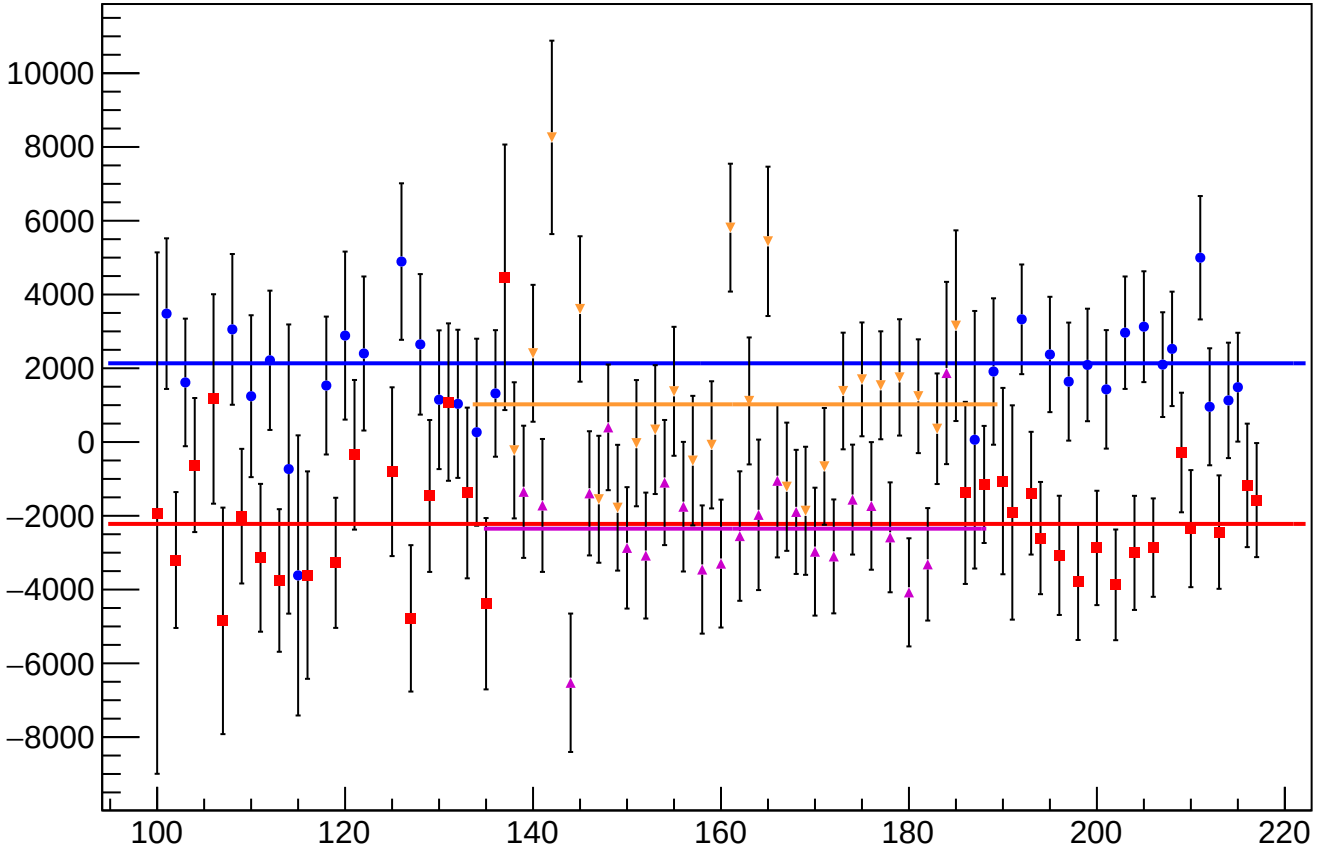
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4525.868+/-0.539 χ^2/NDF: 4546167.7/54

All: 4518.502+/-0.378 χ^2/NDF: 9488642.9/11

- sign 4511.353+/-0.531 χ^2/NDF: 4942107.4/57

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2134.825+/-324.799 χ^2/NDF: 13.3/30

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2219.914+/-317.272 χ^2/NDF: 20.8/34

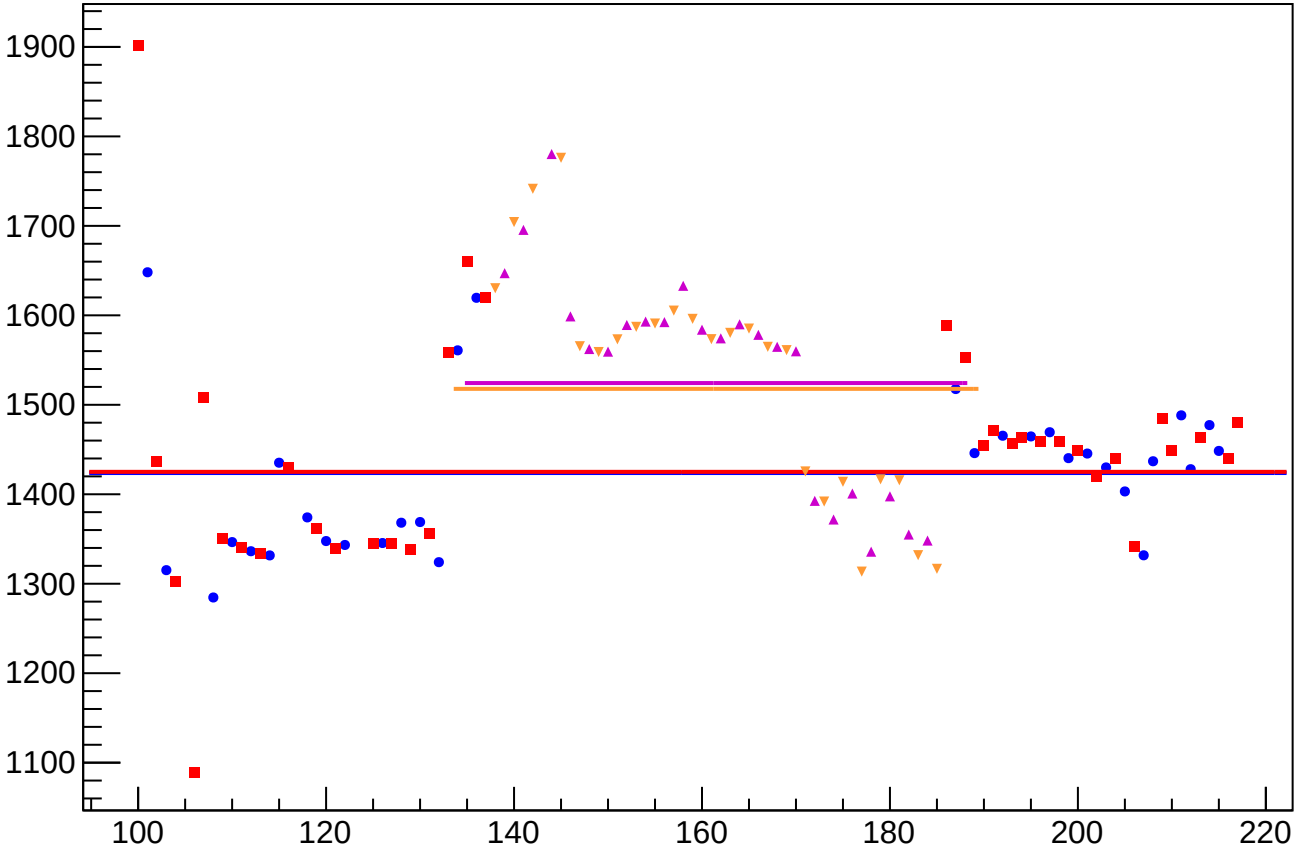
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1625.641+/-239.159 χ^2/NDF: 55.1/54

All: -341.929+/-168.404 χ^2/NDF: 226.2/112

- sign -2276.947+/-237.172 χ^2/NDF: 36.9/57

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1423.736+/-0.230 χ^2/NDF: 120419.3/30

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

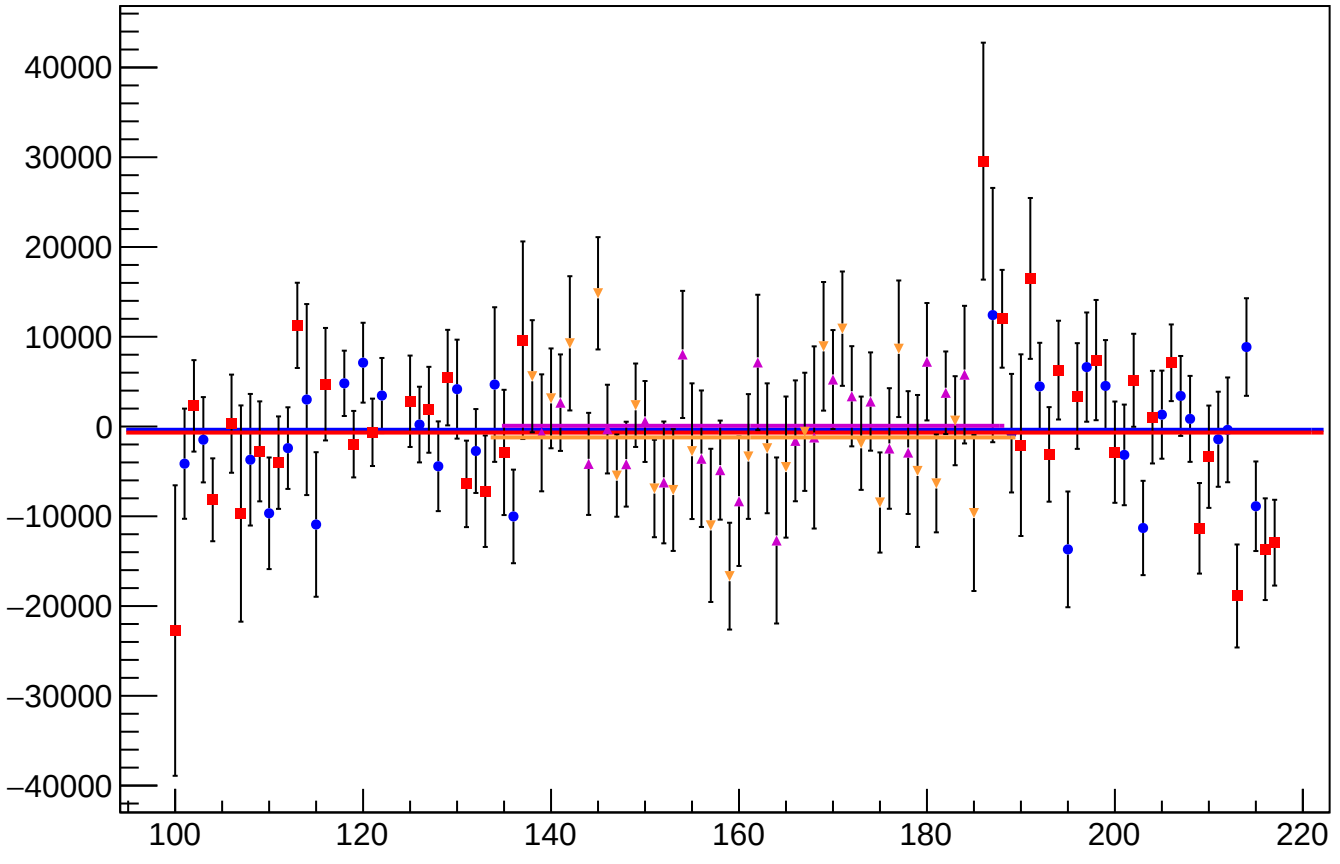
Right Out: 1425.069+/-0.223 χ^2/NDF: 174189.3/34

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.808+/-0.169 χ^2/NDF: 431198.4/54

All: 1467.718+/-0.119 χ^2/NDF: 916488.3/112

- sign 1468.609+/-0.167 χ^2/NDF: 485232.5/57



Right In: -361.963+/-954.013 χ^2/NDF: 35.6/30

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

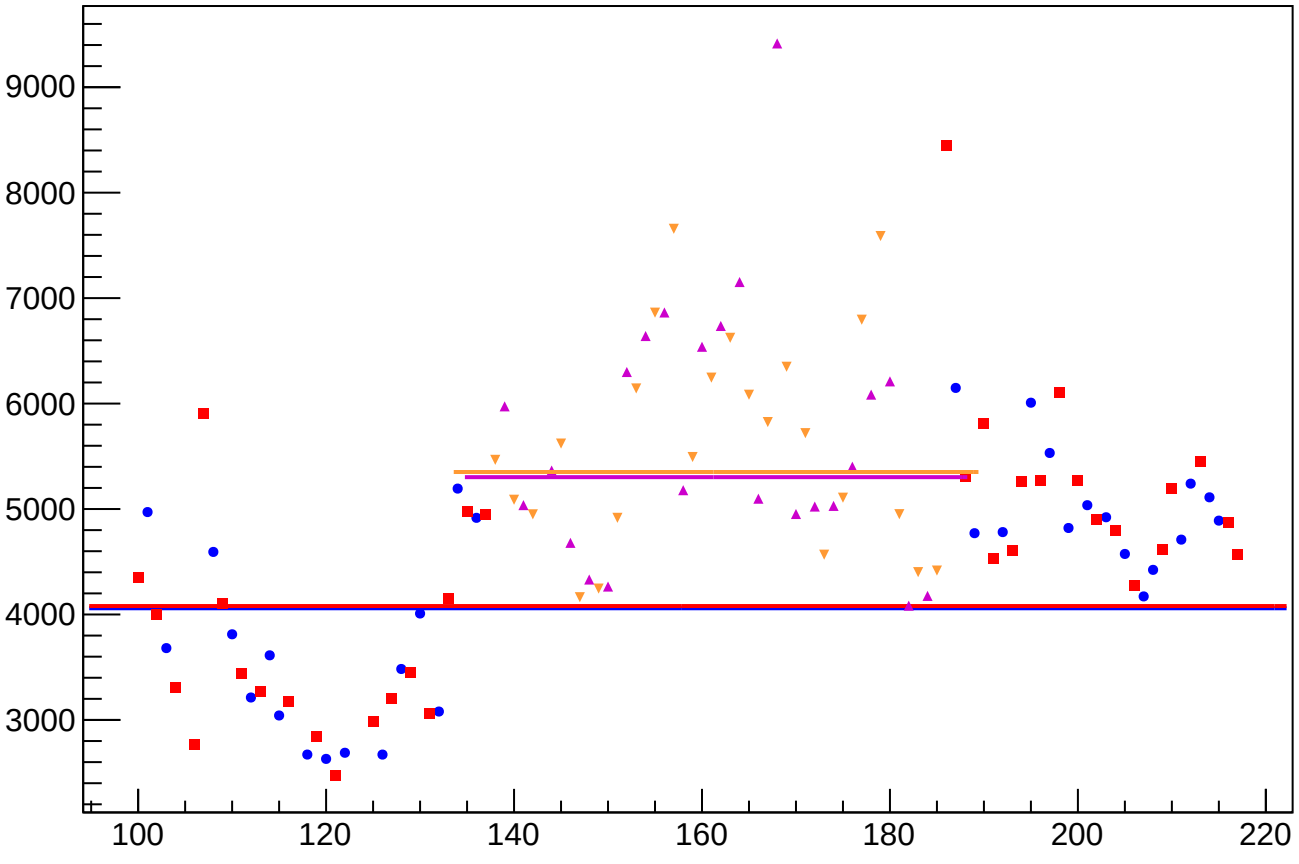
Right Out: -674.212+/-933.761 χ^2/NDF: 68.3/34

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -669.079+/-762.409 χ^2/NDF: 69.1/54

All: -536.479+/-535.068 χ^2/NDF: 150.9/112

- sign -407.778+/-751.118 χ^2/NDF: 81.7/57



Right In: 4058.944+/-0.675 χ^2/NDF: 2154282.0/30

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4080.000+/-0.660 χ^2/NDF: 2476505.6/34

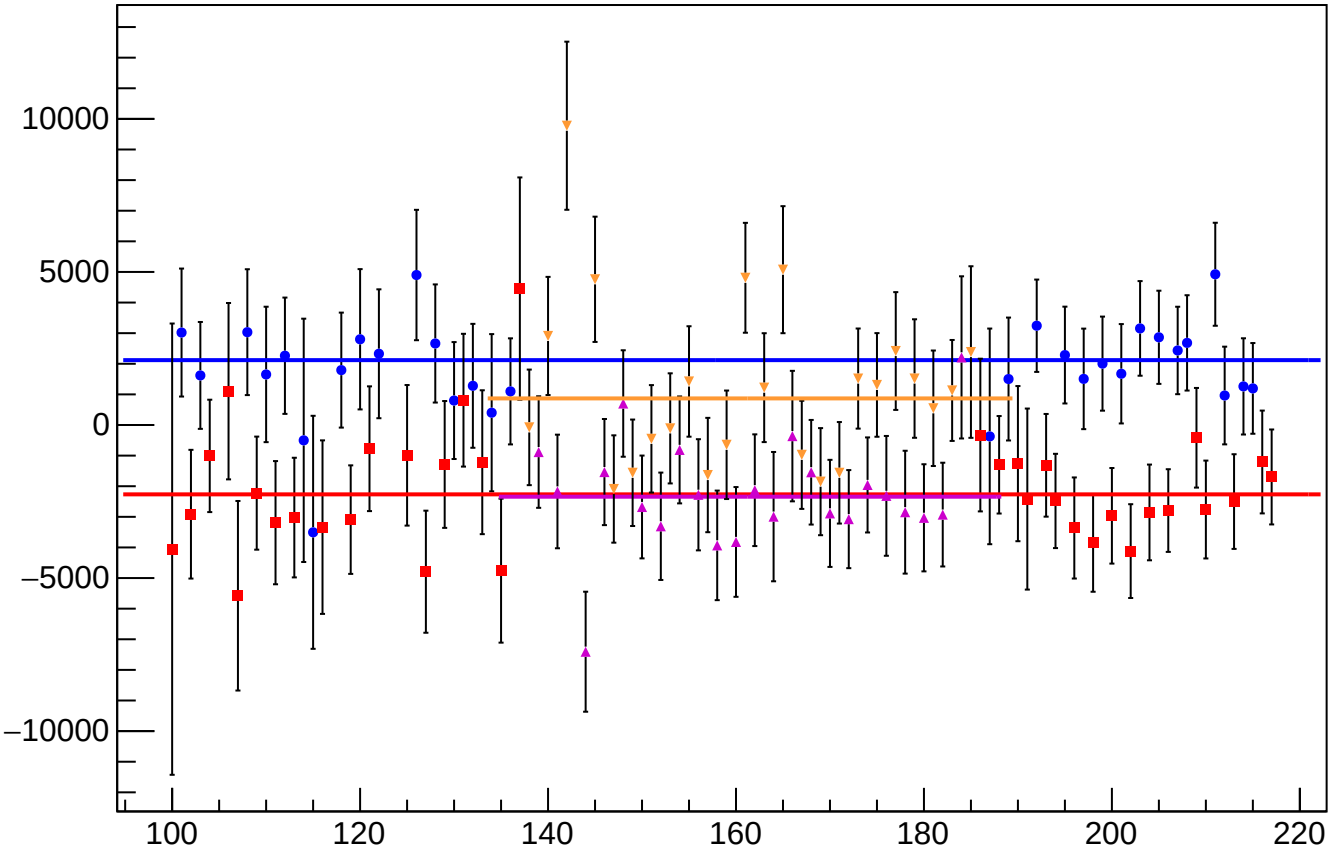
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4525.868+/-0.539 χ^2/NDF: 4546167.7/54

All: 4518.502+/-0.378 χ^2/NDF: 9488642.9/11

- sign 4511.353+/-0.531 χ^2/NDF: 4942107.4/57

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2118.989+/-327.910 χ^2/NDF: 12.7/30

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2265.948+/-321.269 χ^2/NDF: 20.1/34

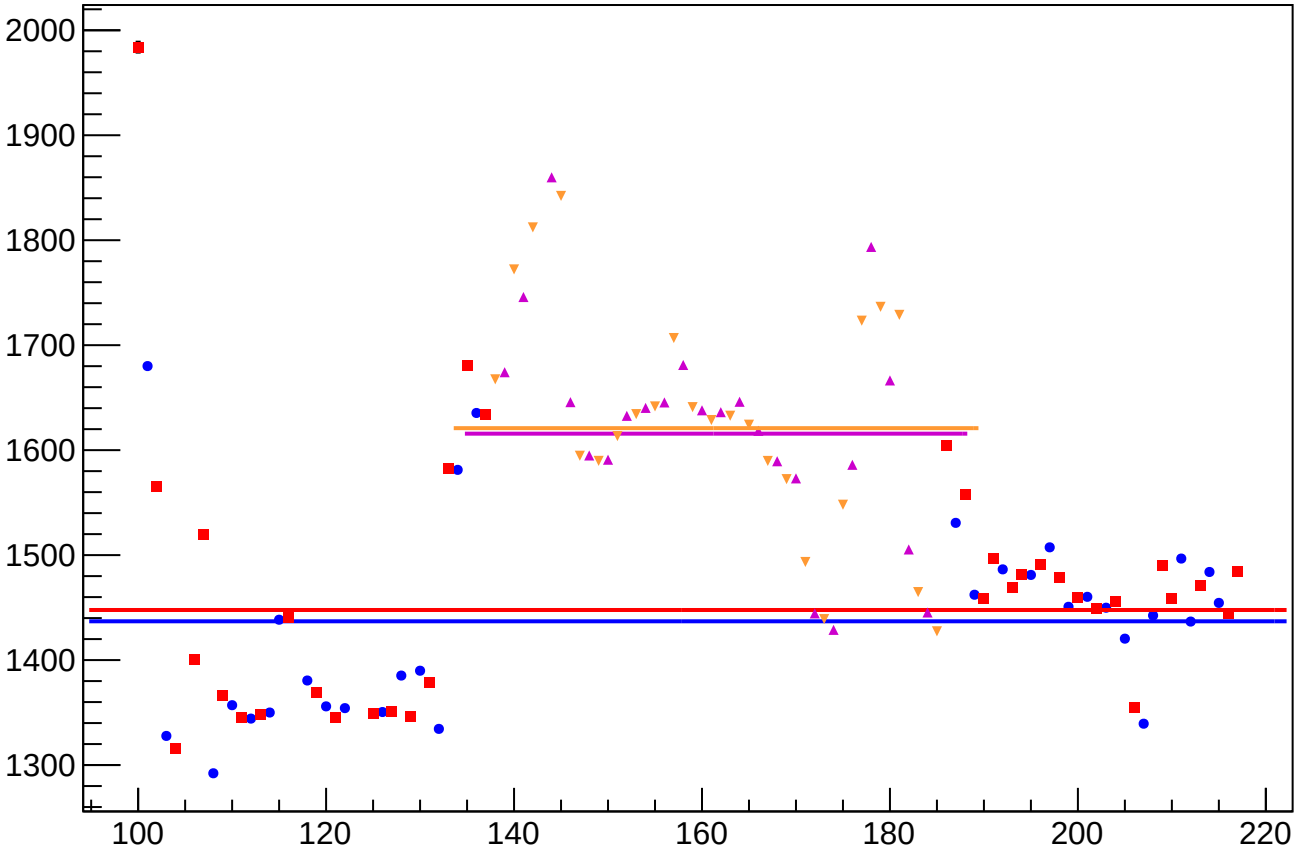
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1580.664+/-247.466 χ^2/NDF: 58.7/54

All: -379.429+/-174.045 χ^2/NDF: 221.0/112

- sign -2297.960+/-244.828 χ^2/NDF: 38.1/57

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.950+/-0.232 χ^2/NDF: 128176.6/30

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.720+/-0.227 χ^2/NDF: 133059.6/34

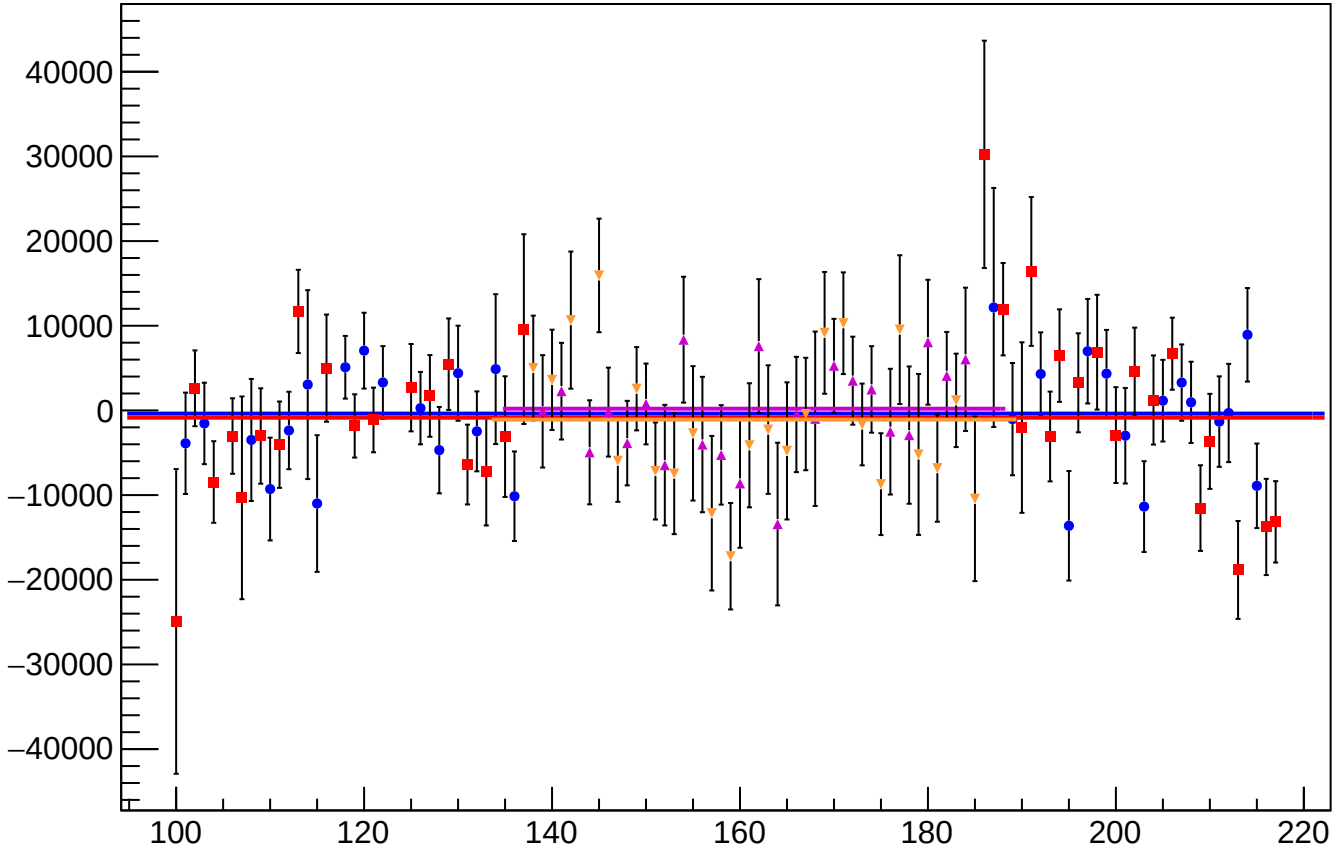
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1516.153+/-0.175 χ^2/NDF: 541224.5/54

All: 1517.121+/-0.123 χ^2/NDF: 1040923.5/11

- sign 1518.068+/-0.173 χ^2/NDF: 499638.4/57

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -375.194+/-962.134 χ^2/NDF: 35.0/30

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -862.121+/-929.137 χ^2/NDF: 68.3/34

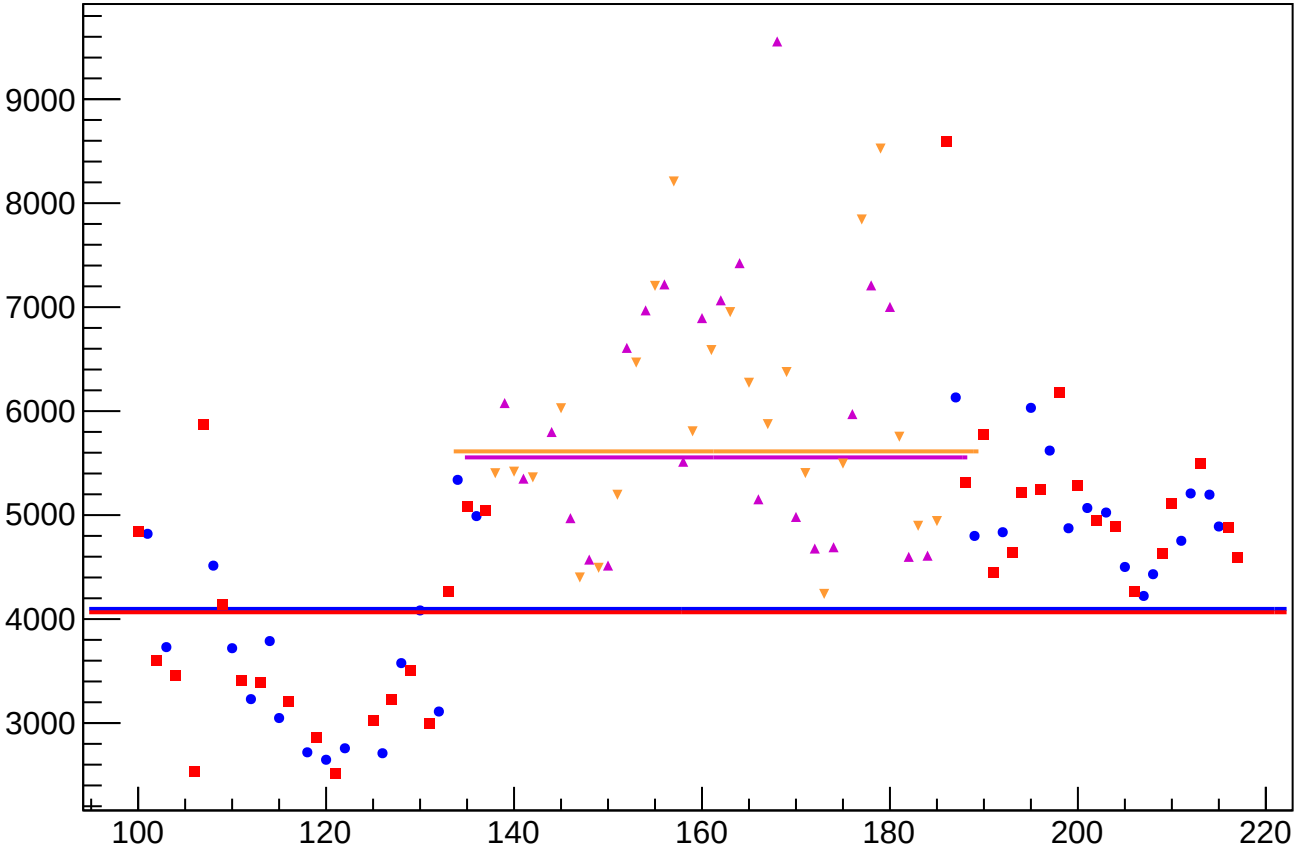
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -617.514+/-780.026 χ^2/NDF: 68.2/54

All: -563.387+/-544.695 χ^2/NDF: 149.8/112

- sign -511.874+/-760.959 χ^2/NDF: 81.7/57

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 4097.755+/-0.680 χ^2/NDF: 2091338.3/30

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4065.521+/-0.657 χ^2/NDF: 2573550.0/34

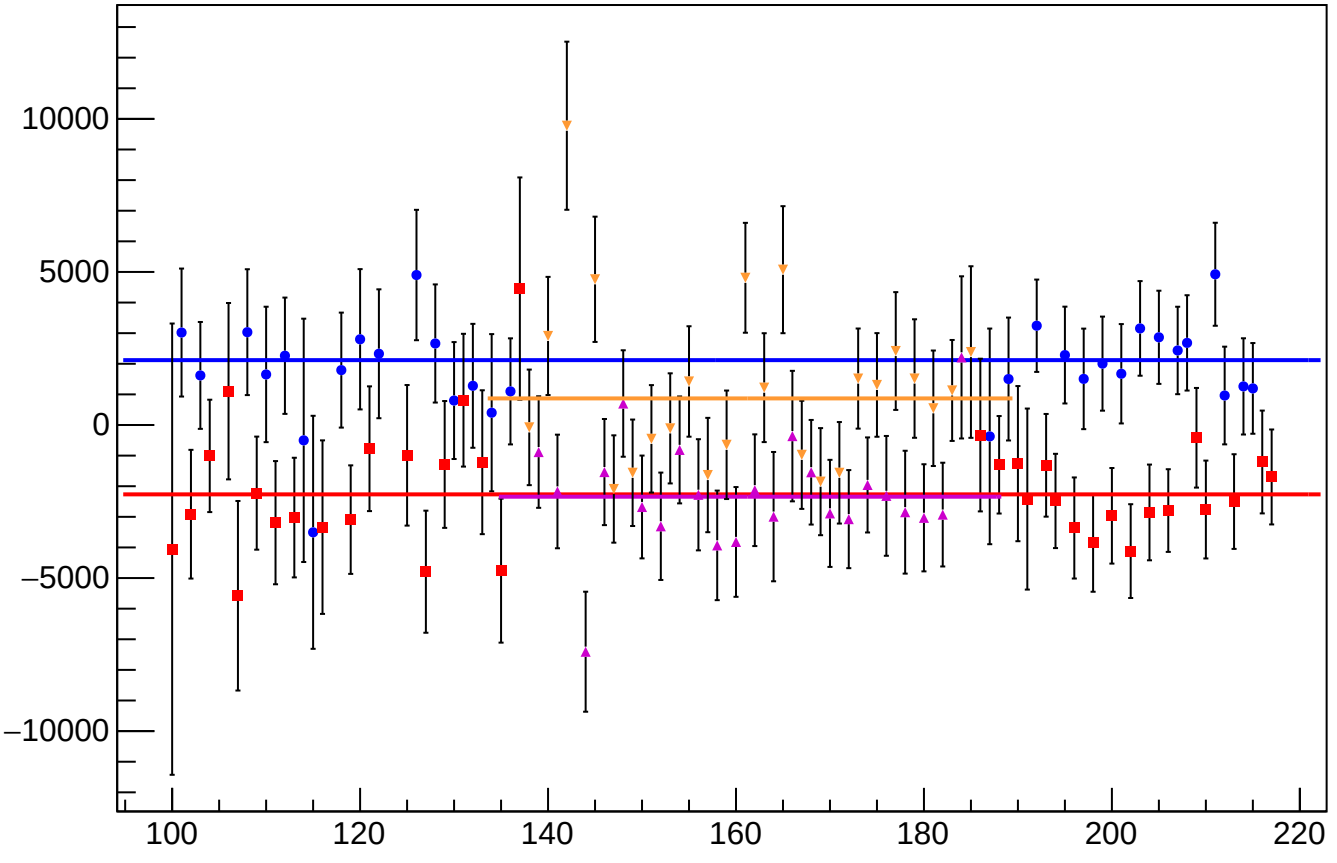
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4616.976+/-0.552 χ^2/NDF: 4978937.9/54

All: 4585.684+/-0.385 χ^2/NDF: 10583810.2/1

- sign 4555.903+/-0.538 χ^2/NDF: 5598590.2/57

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2118.990+/-327.910 χ^2/NDF: 12.7/30

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2265.946+/-321.269 χ^2/NDF: 20.1/34

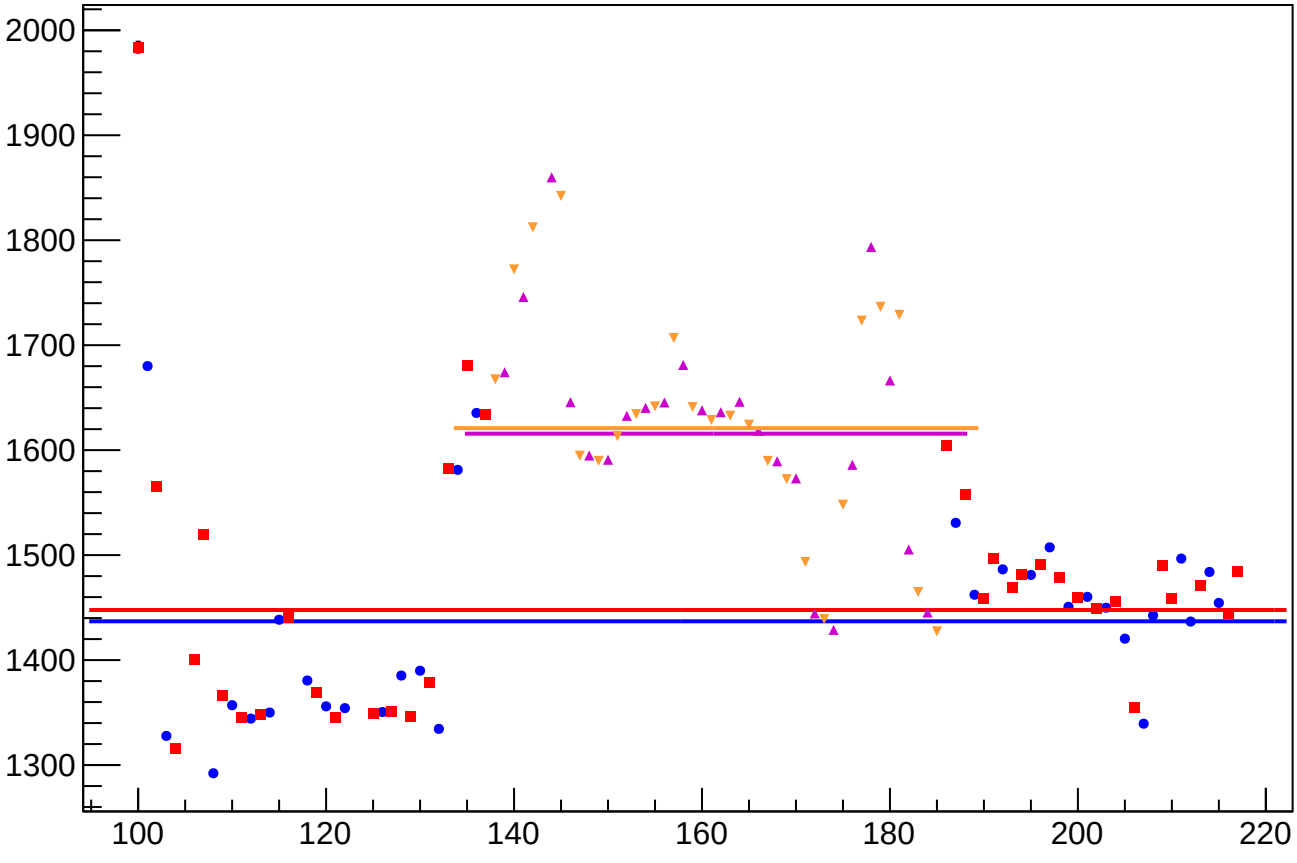
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1580.662+/-247.466 χ^2/NDF: 58.7/54

All: -379.429+/-174.045 χ^2/NDF: 221.0/112

- sign -2297.959+/-244.828 χ^2/NDF: 38.1/57

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.950+/-0.232 χ^2/NDF: 128176.6/30

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

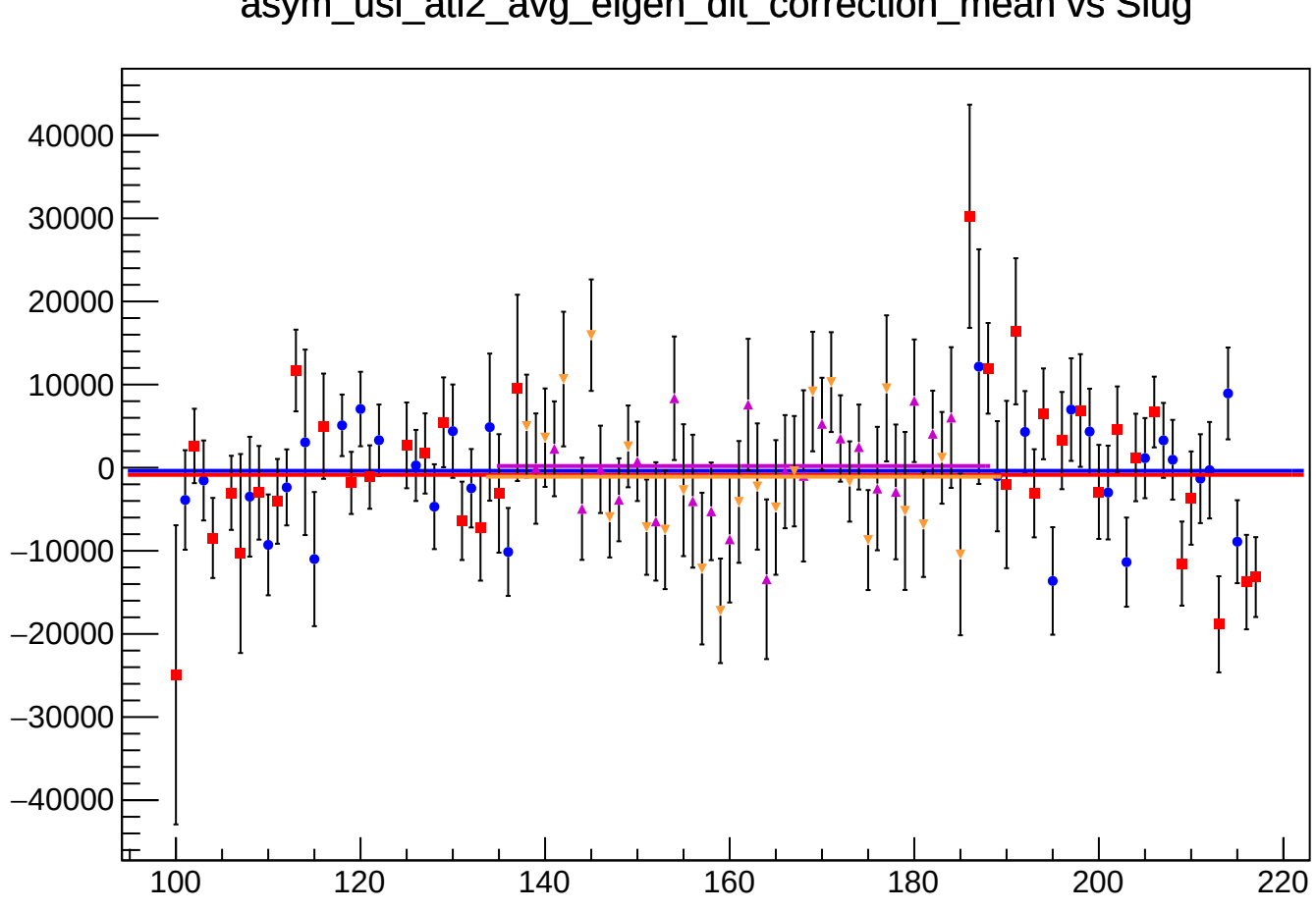
Right Out: 1447.720+/-0.227 χ^2/NDF: 133059.9/34

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1516.153+/-0.175 χ^2/NDF: 541232.6/54

All: 1517.122+/-0.123 χ^2/NDF: 1040939.9/11

- sign 1518.068+/-0.173 χ^2/NDF: 499646.8/57



Right In: -375.189+/-962.134 χ^2/NDF: 35.0/30

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

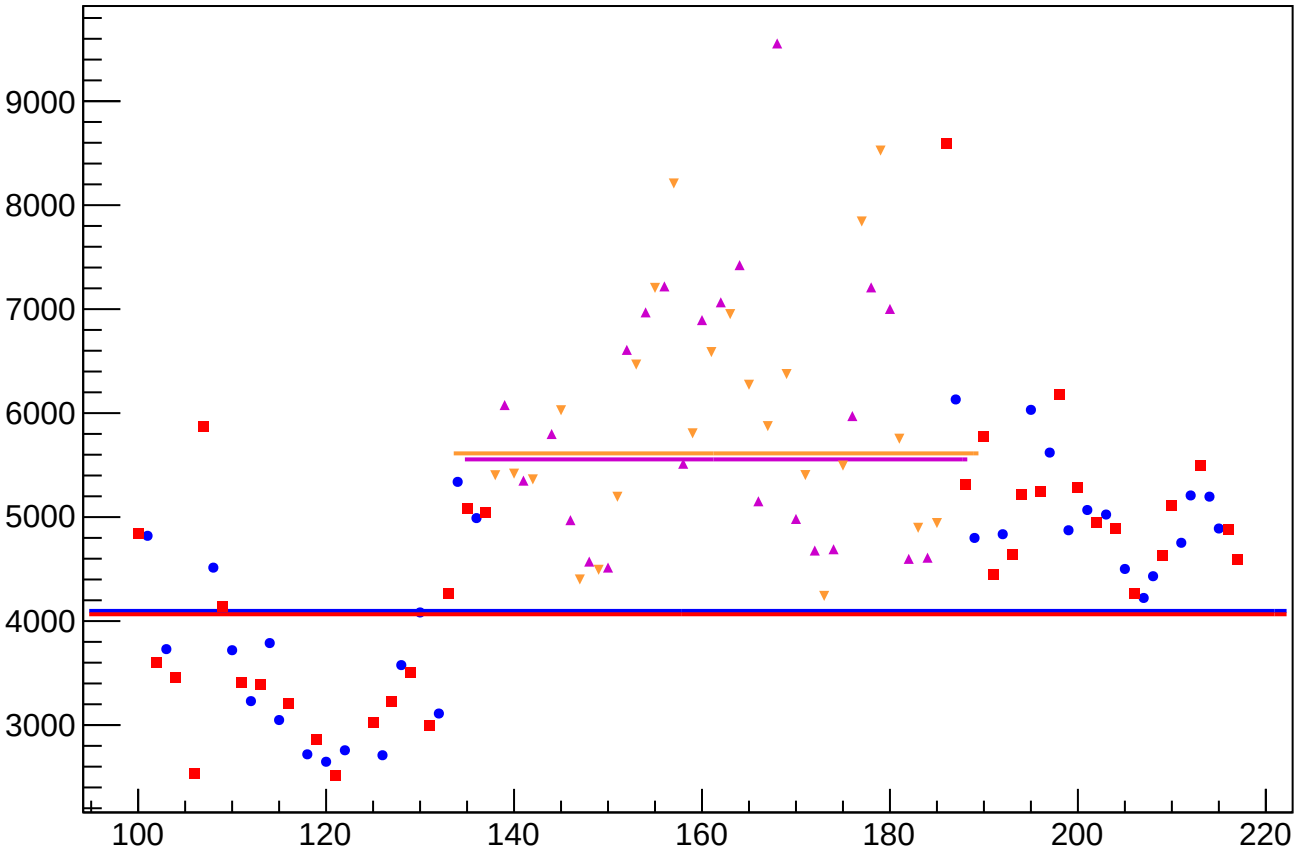
Right Out: -862.124+/-929.136 χ^2/NDF: 68.3/34

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

\+ sign -617.512+/-780.026 χ^2/NDF: 68.2/54

All: -563.388+/-544.695 χ^2/NDF: 149.8/112

\- sign -511.877+/-760.958 χ^2/NDF: 81.7/57



Right In: 4097.751+/-0.680 χ^2/NDF: 2091381.8/30

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4065.515+/-0.657 χ^2/NDF: 2573585.5/34

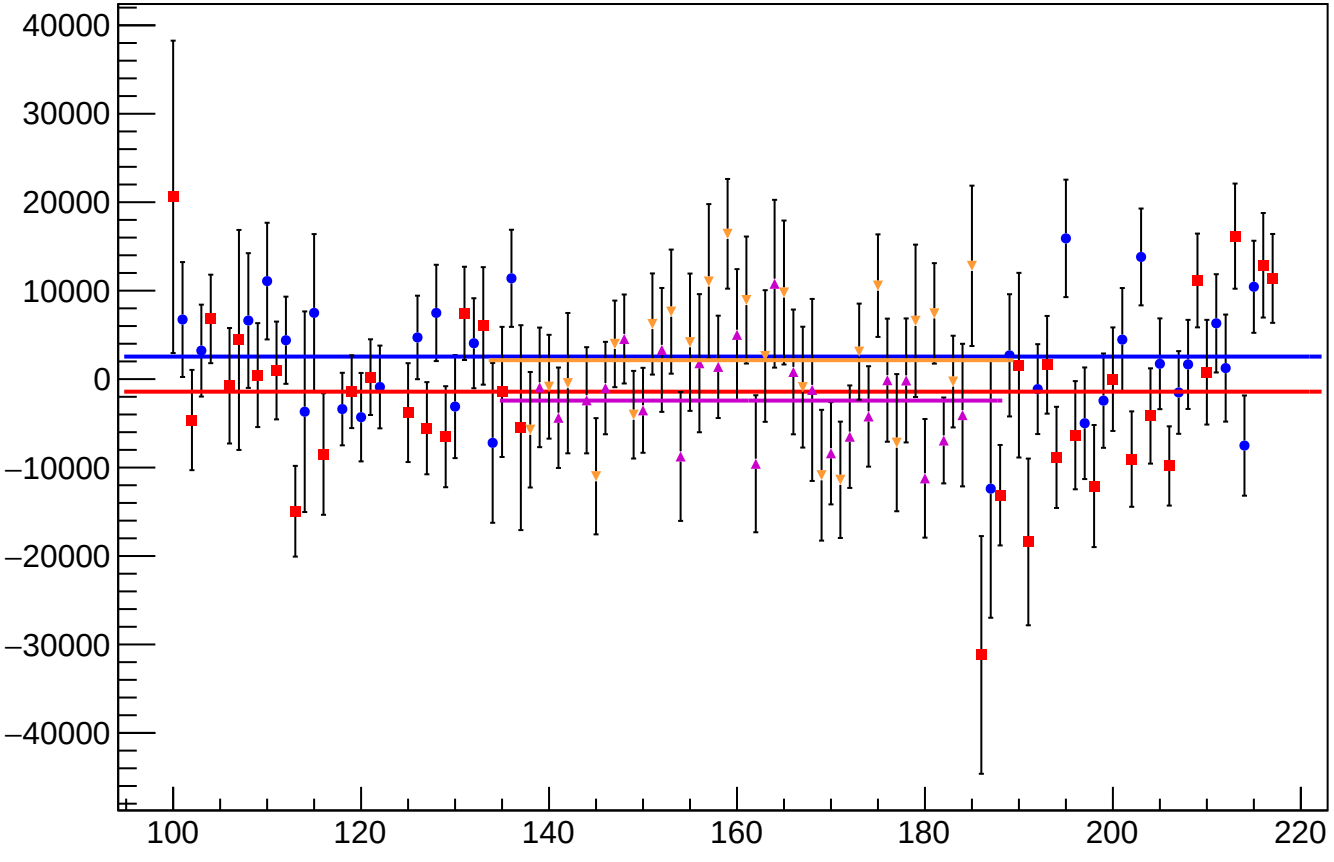
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4616.975+/-0.552 χ^2/NDF: 4979008.9/54

All: 4585.682+/-0.385 χ^2/NDF: 10583948.4/1

- sign 4555.900+/-0.538 χ^2/NDF: 5598657.0/57

asym_usl_atl2_avg_mean vs Slug



Right In: 2547.007+/-1020.148 χ^2/NDF: 32.5/30

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1420.020+/-1000.236 χ^2/NDF: 69.2/34

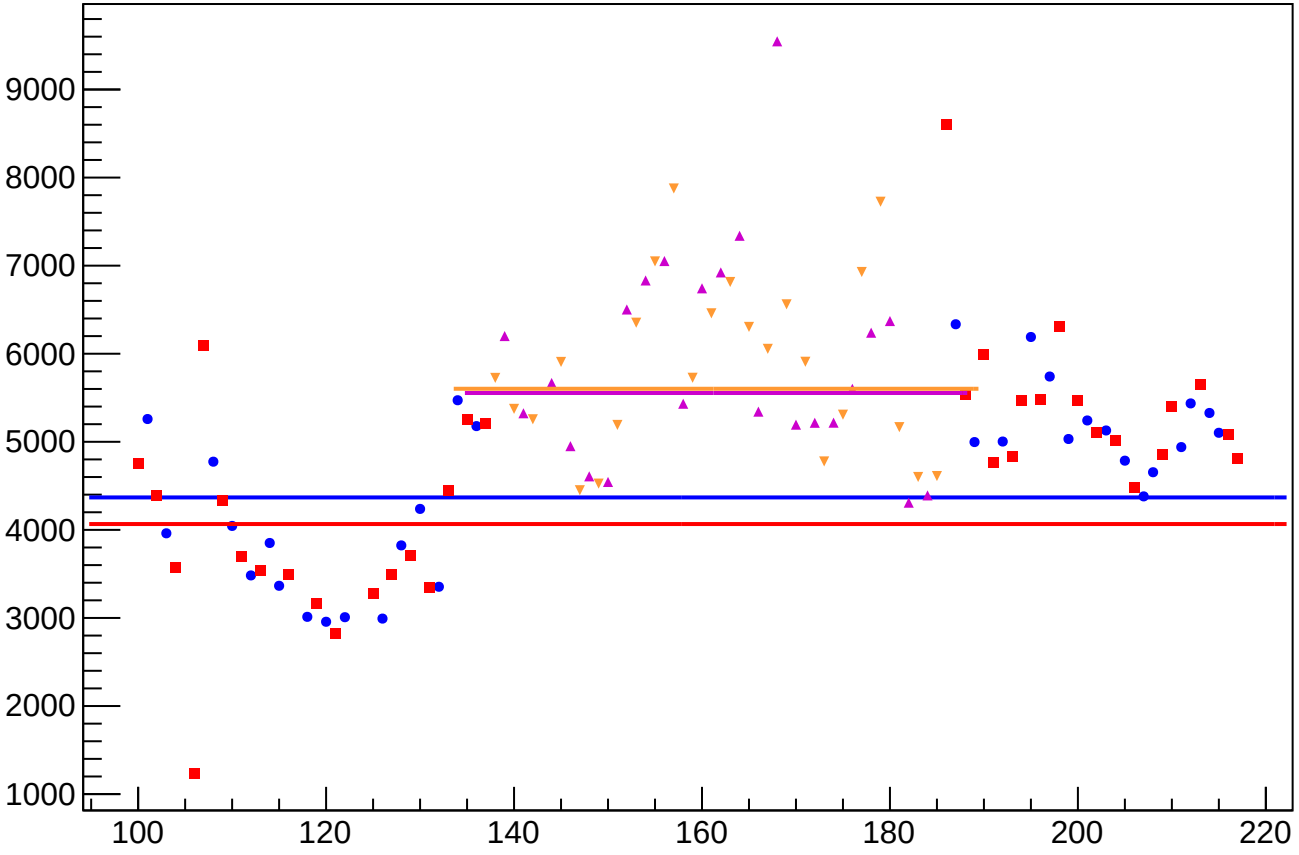
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2394.751+/-808.184 χ^2/NDF: 63.2/54

All: 275.754+/-567.639 χ^2/NDF: 159.3/112

- sign -1787.324+/-797.449 χ^2/NDF: 82.5/57

asym_usl_atl2_avg_rms vs Slug



Right In: 4368.453+/-0.721 χ^2/NDF: 1689077.1/30

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

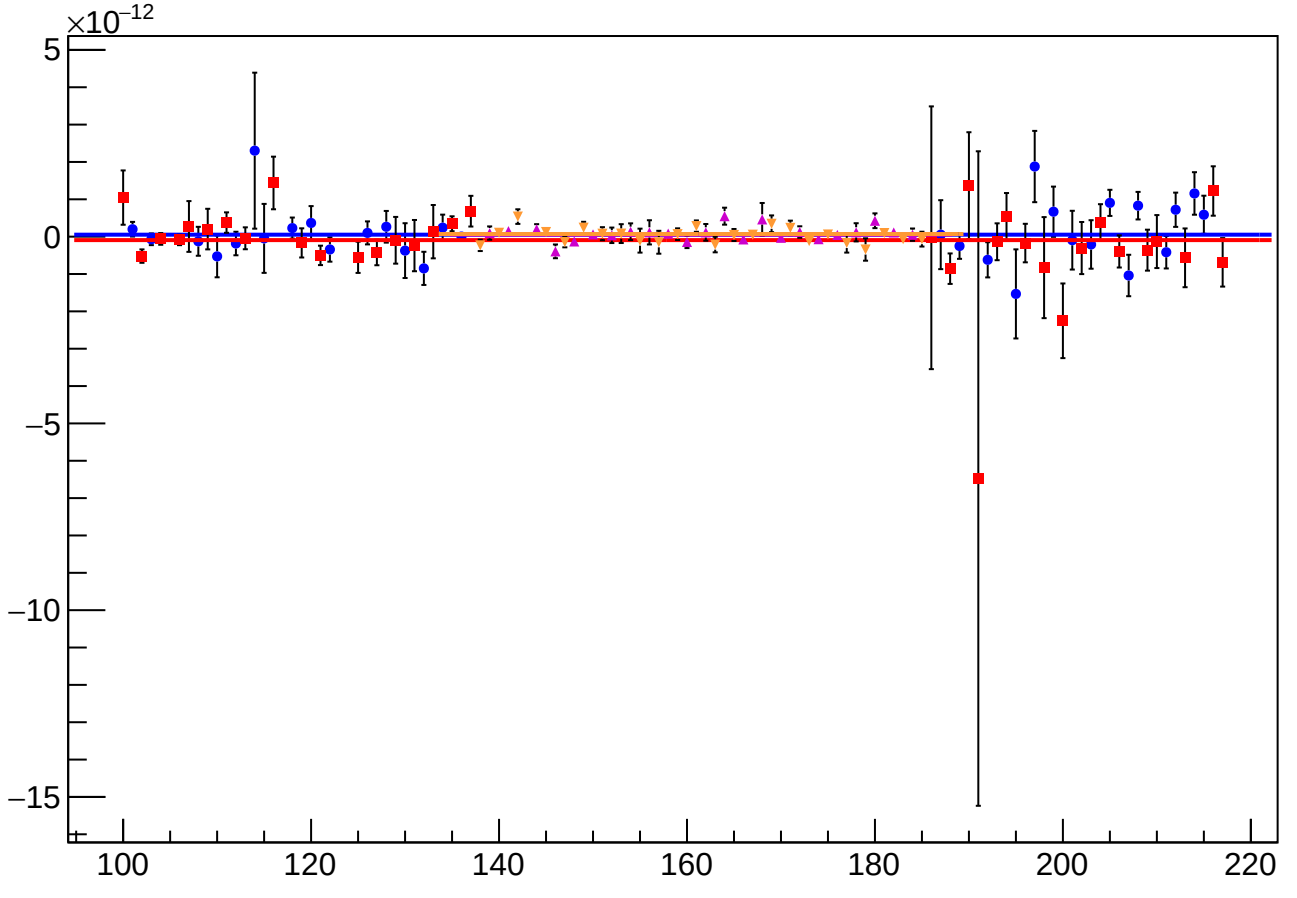
Right Out: 4066.246+/-0.674 χ^2/NDF: 4147205.5/34

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4827.904+/-0.571 χ^2/NDF: 3718943.4/54

All: 4696.275+/-0.395 χ^2/NDF: 10747808.0/1

- sign 4575.815+/-0.547 χ^2/NDF: 6927259.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 43.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

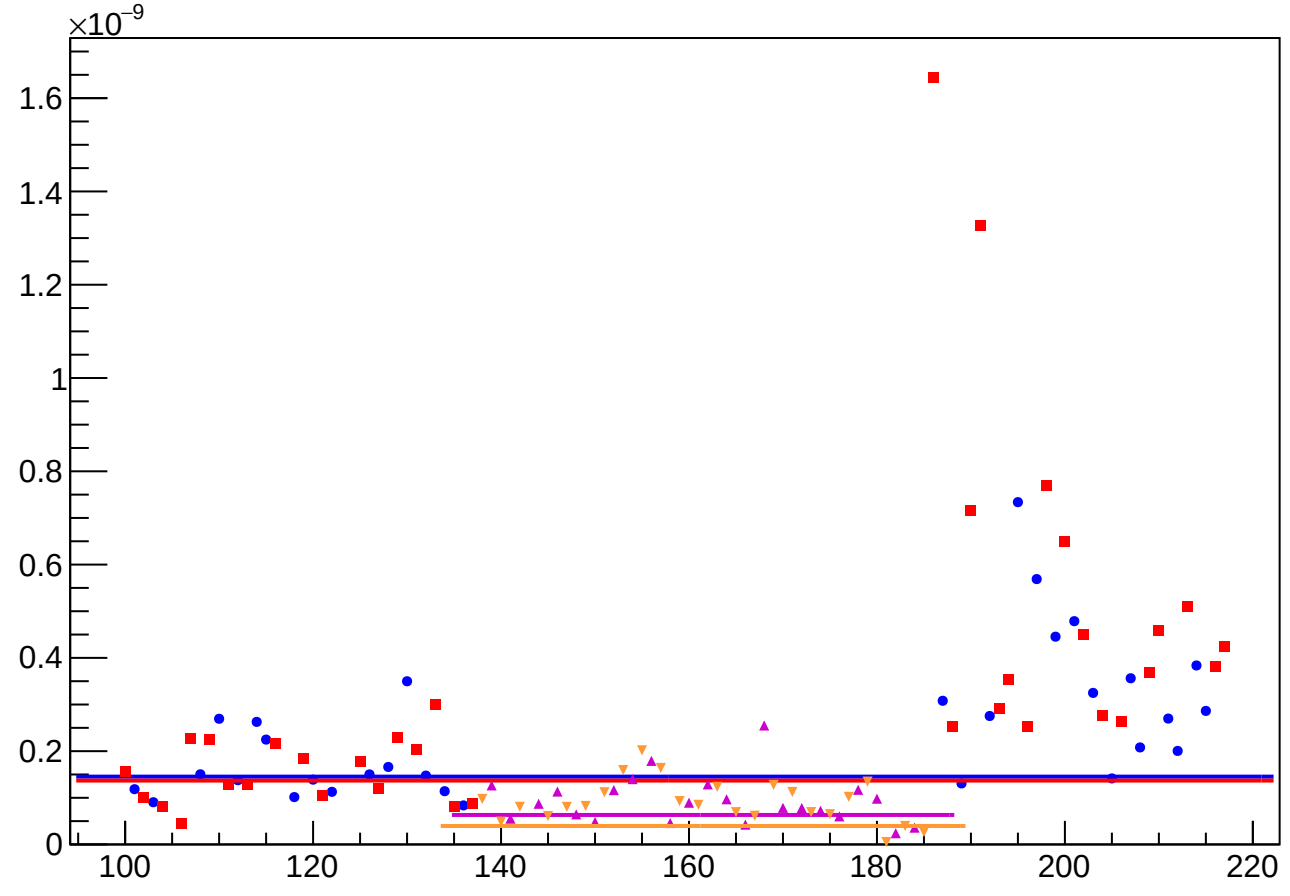
Right Out: -0.000+/-0.000 χ^2/NDF: 47.6/34

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.7/54

All: 0.000+/-0.000 χ^2/NDF: 151.0/112

- sign 0.000+/-0.000 χ^2/NDF: 77.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 4123062.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6771920.0/34

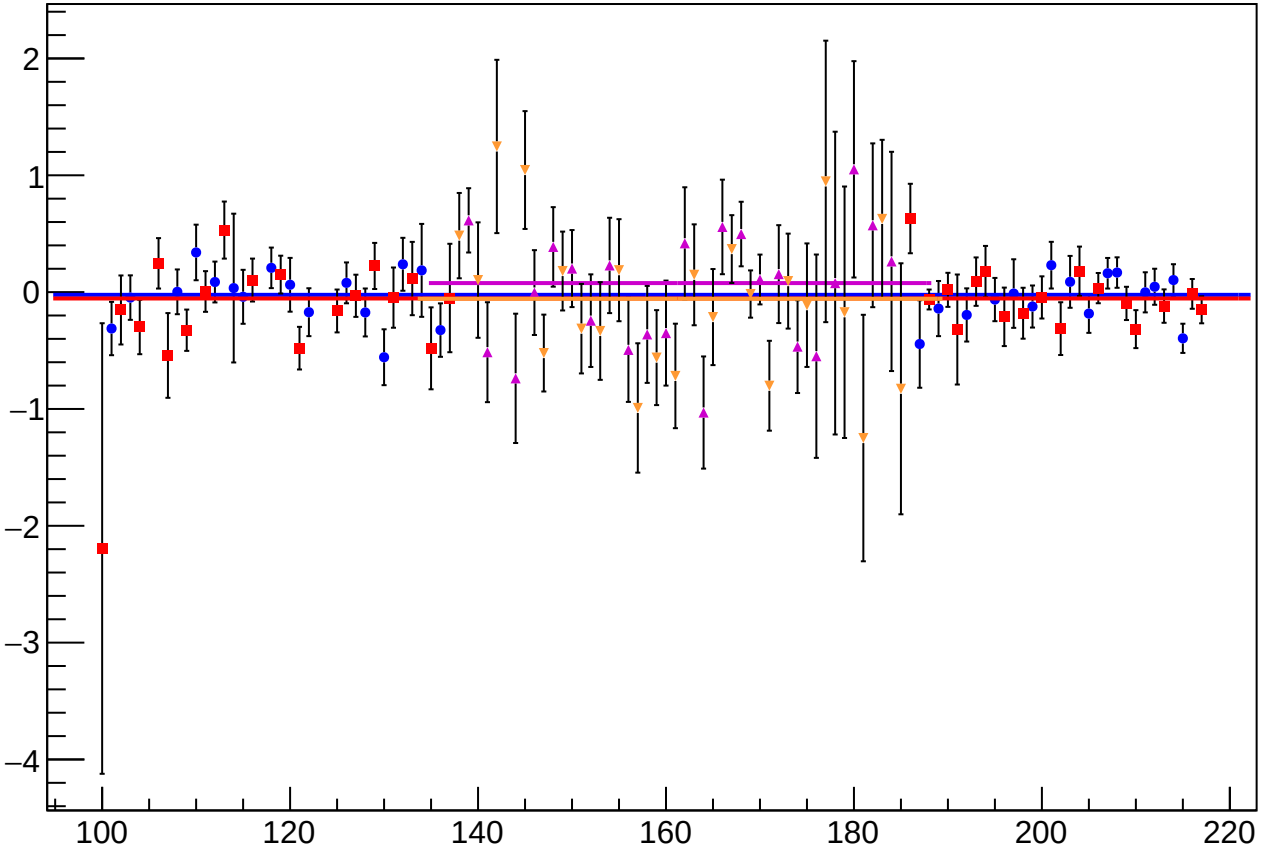
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16231935.3/54

All: 0.000+/-0.000 χ^2/NDF: 29510021.9/112

- sign 0.000+/-0.000 χ^2/NDF: 12141909.2/57

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

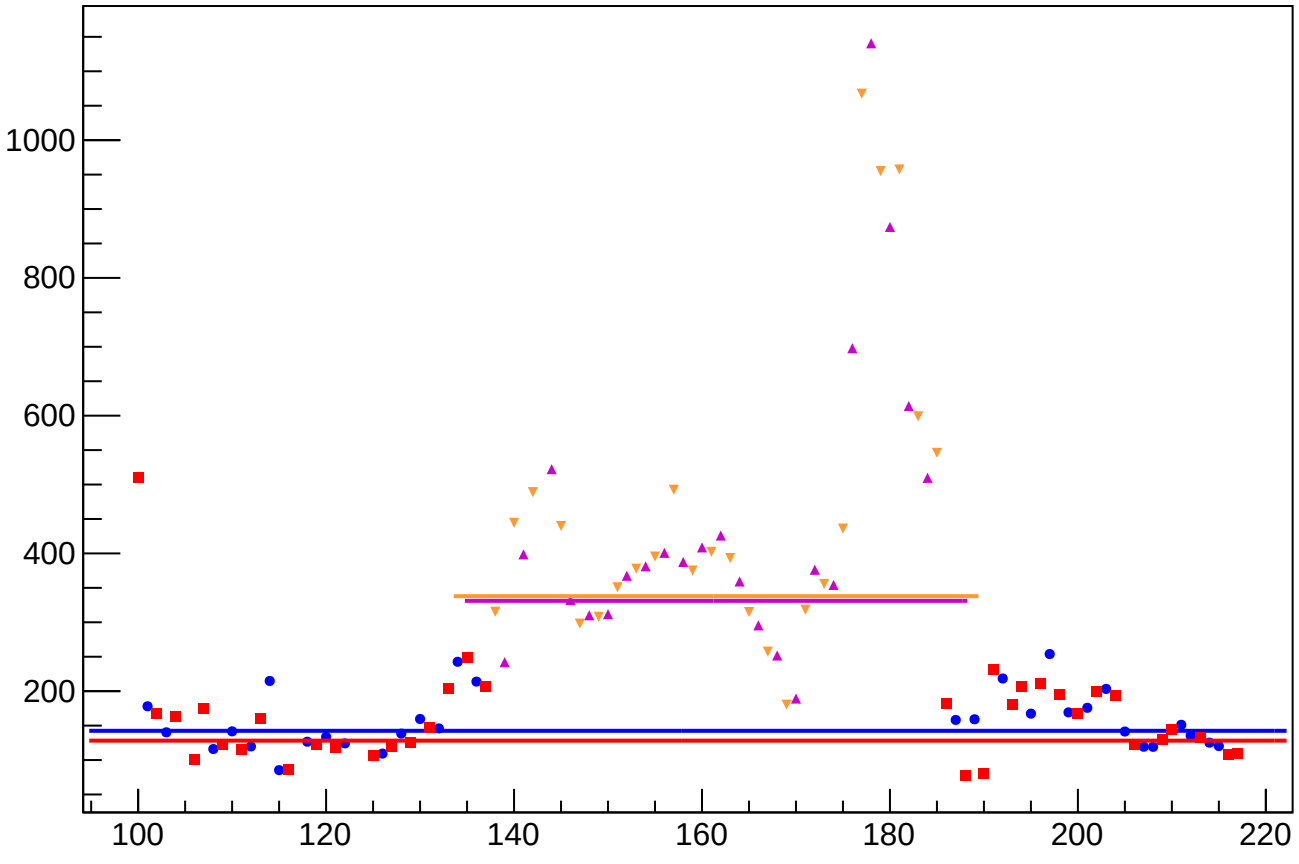
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 65.9/54

All: -0.034+/-0.021 χ^2/NDF: 136.4/112

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 142.446+/-0.024 χ^2/NDF: 1750755.1/30

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

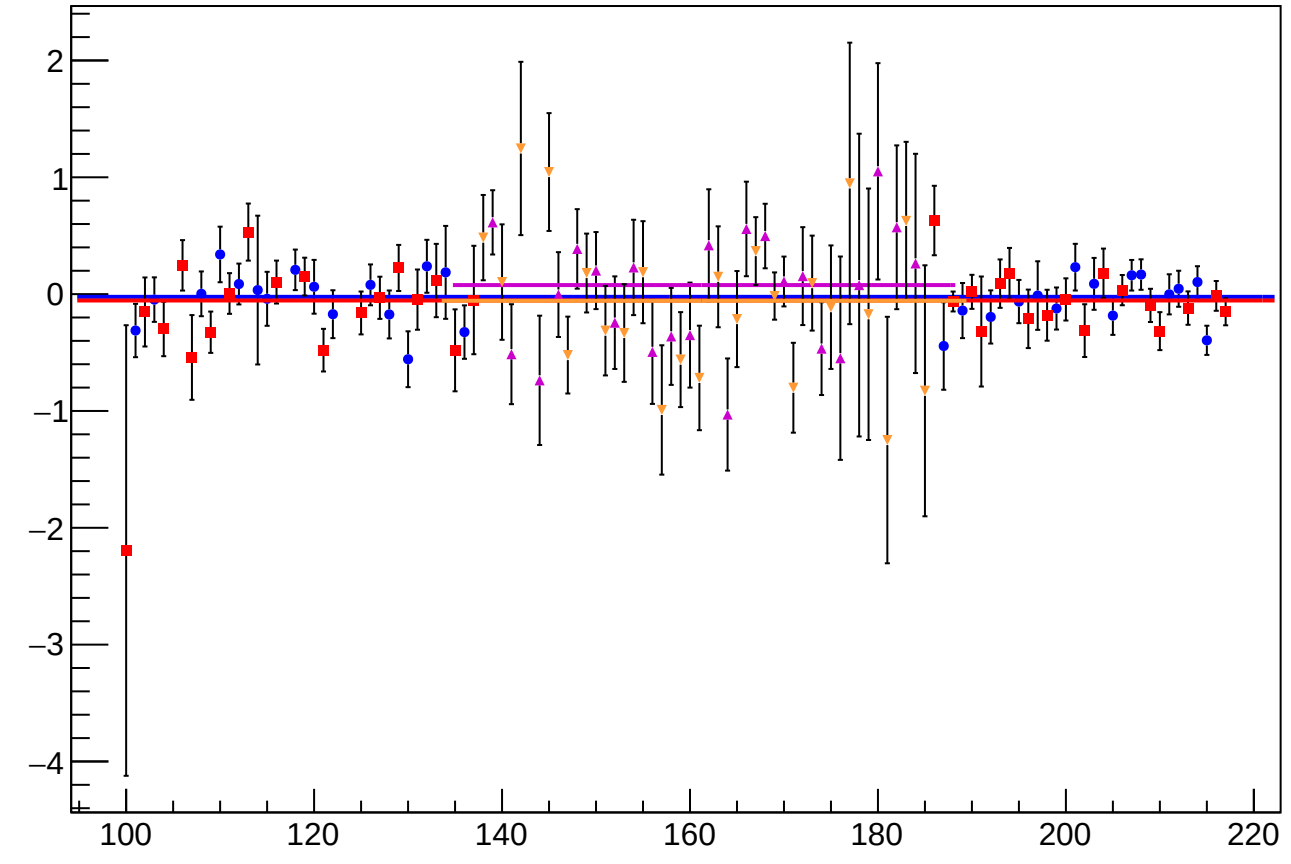
Right Out: 128.180+/-0.022 χ^2/NDF: 3338514.0/34

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 169.564+/-0.023 χ^2/NDF: 15281610.9/54

All: 160.295+/-0.015 χ^2/NDF: 33453338.9/11

- sign 152.627+/-0.020 χ^2/NDF: 17861826.8/57



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

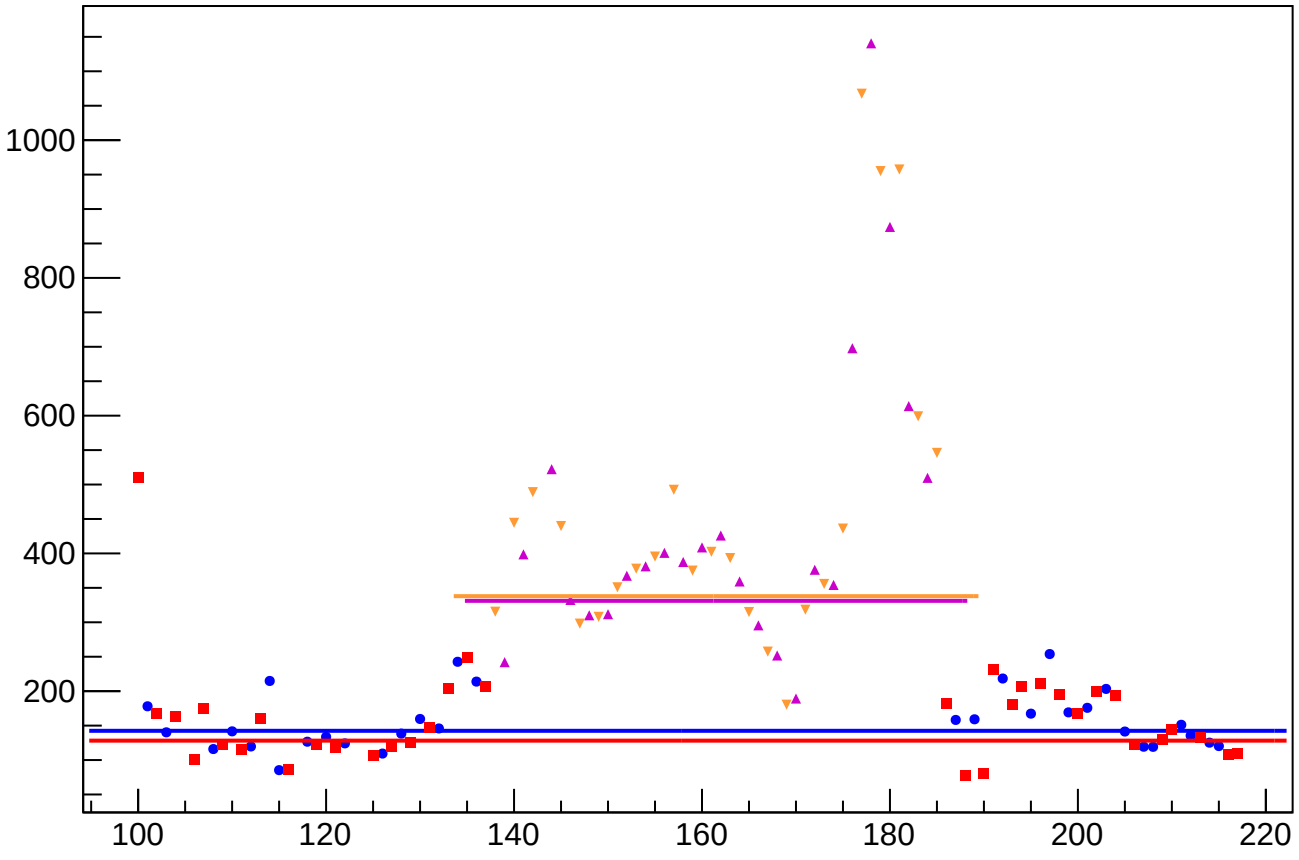
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 65.9/54

All: -0.034+/-0.021 χ^2/NDF: 136.4/112

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 142.446+/-0.024 χ^2/NDF: 1750755.1/30

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

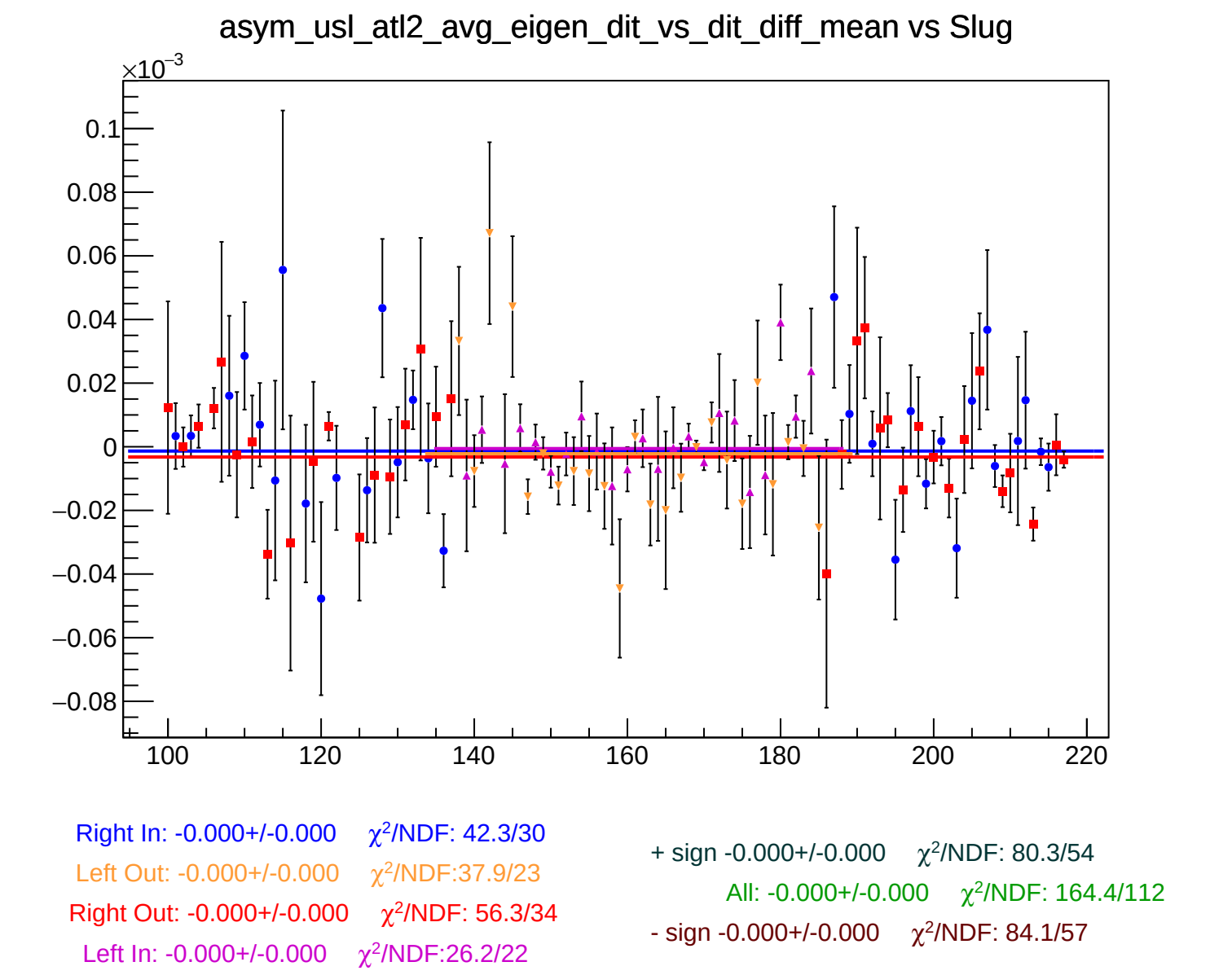
Right Out: 128.180+/-0.022 χ^2/NDF: 3338514.0/34

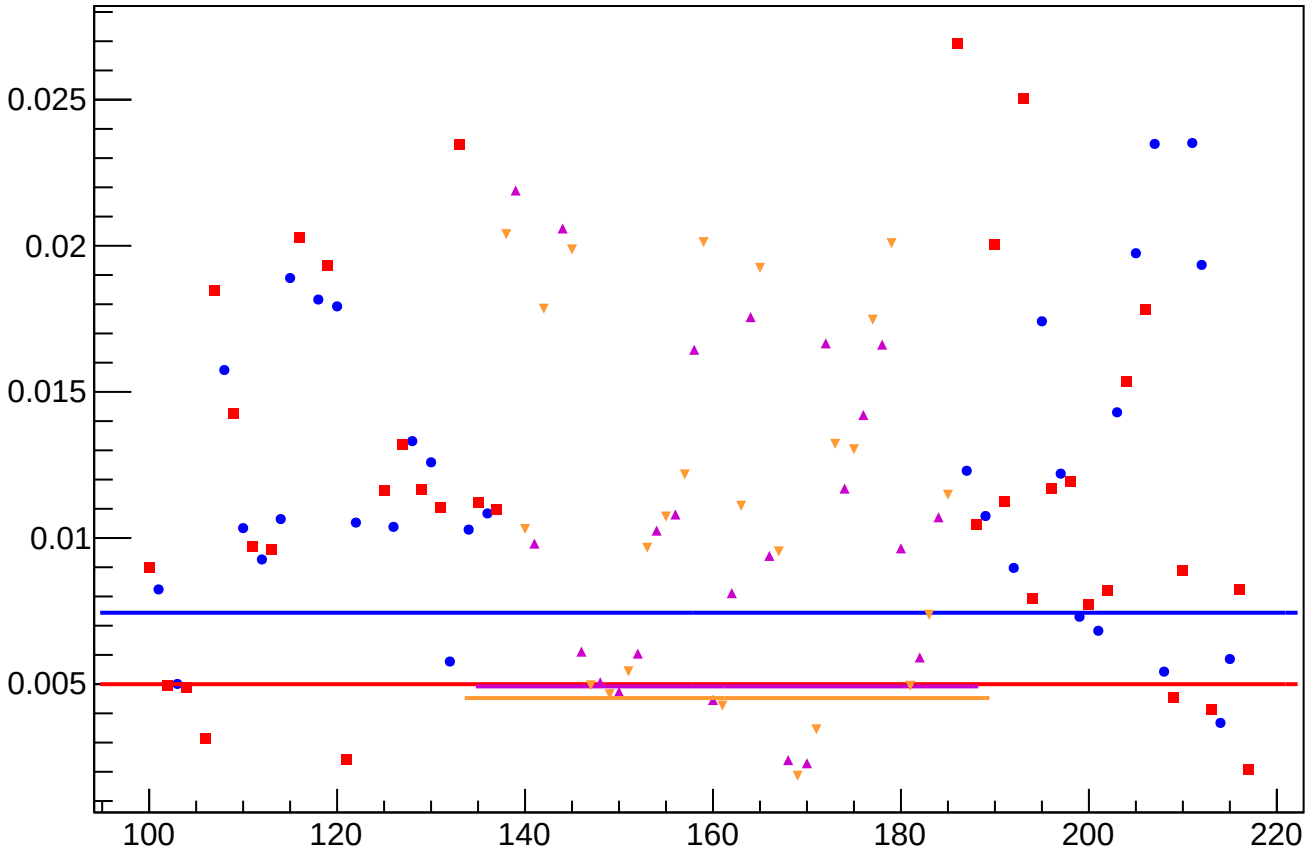
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 169.564+/-0.023 χ^2/NDF: 15281610.9/54

All: 160.295+/-0.015 χ^2/NDF: 33453338.9/11

- sign 152.627+/-0.020 χ^2/NDF: 17861826.8/57


asym_usl_atl2_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
220
Right In: -0.000+/-0.000 χ²/NDF: 42.3/30
Left Out: -0.000+/-0.000 χ²/NDF:37.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 56.3/34
Left In: -0.000+/-0.000 χ²/NDF:26.2/22
+ sign -0.000+/-0.000 χ²/NDF: 80.3/54
All: -0.000+/-0.000 χ²/NDF: 164.4/112
- sign -0.000+/-0.000 χ²/NDF: 84.1/57



Right In: 0.007+/-0.000 χ^2/NDF: 8216117.9/30

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

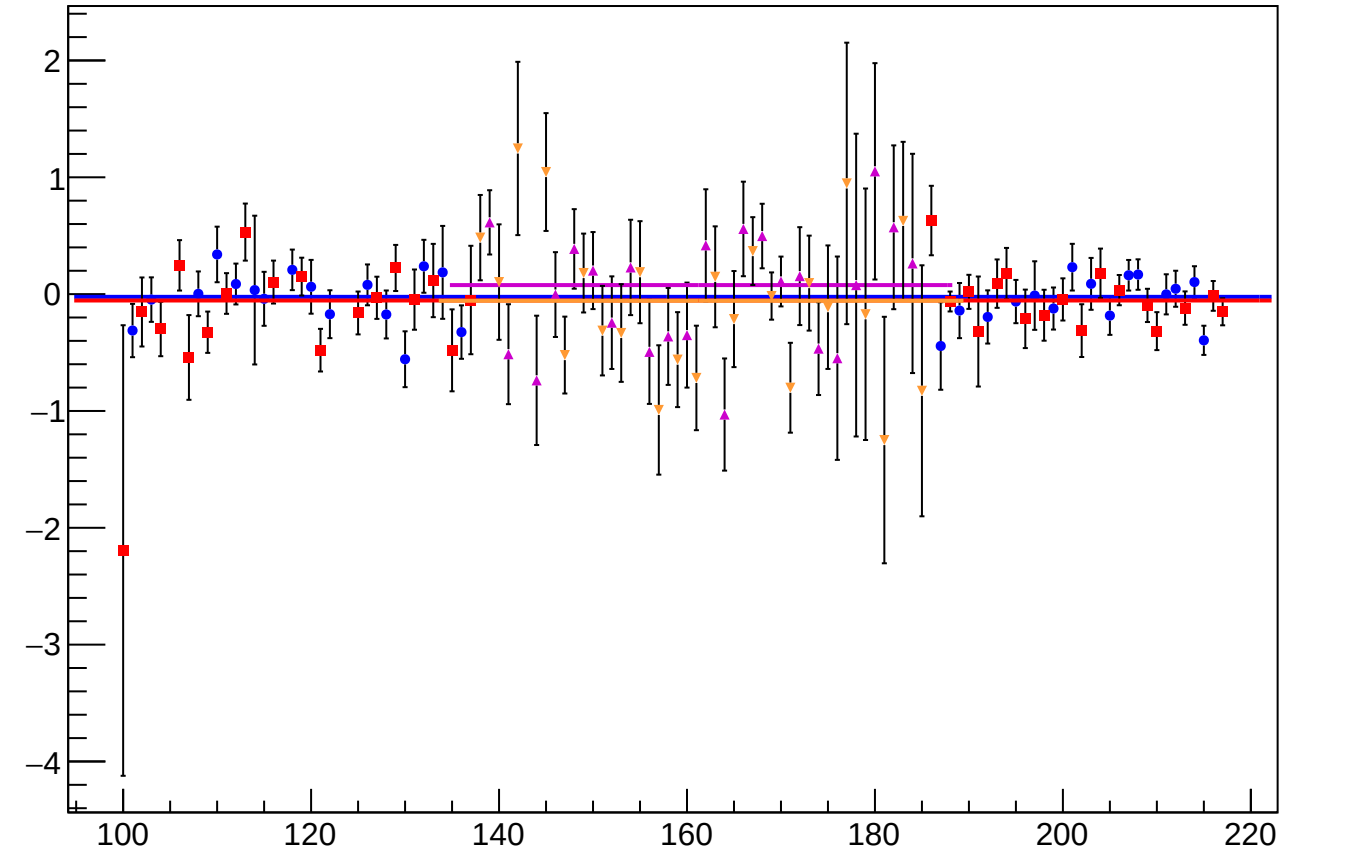
Right Out: 0.005+/-0.000 χ^2/NDF: 13928246.1/34

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 25317347.0/54

All: 0.005+/-0.000 χ^2/NDF: 51103576.1/112

- sign 0.005+/-0.000 χ^2/NDF: 25557869.7/57



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

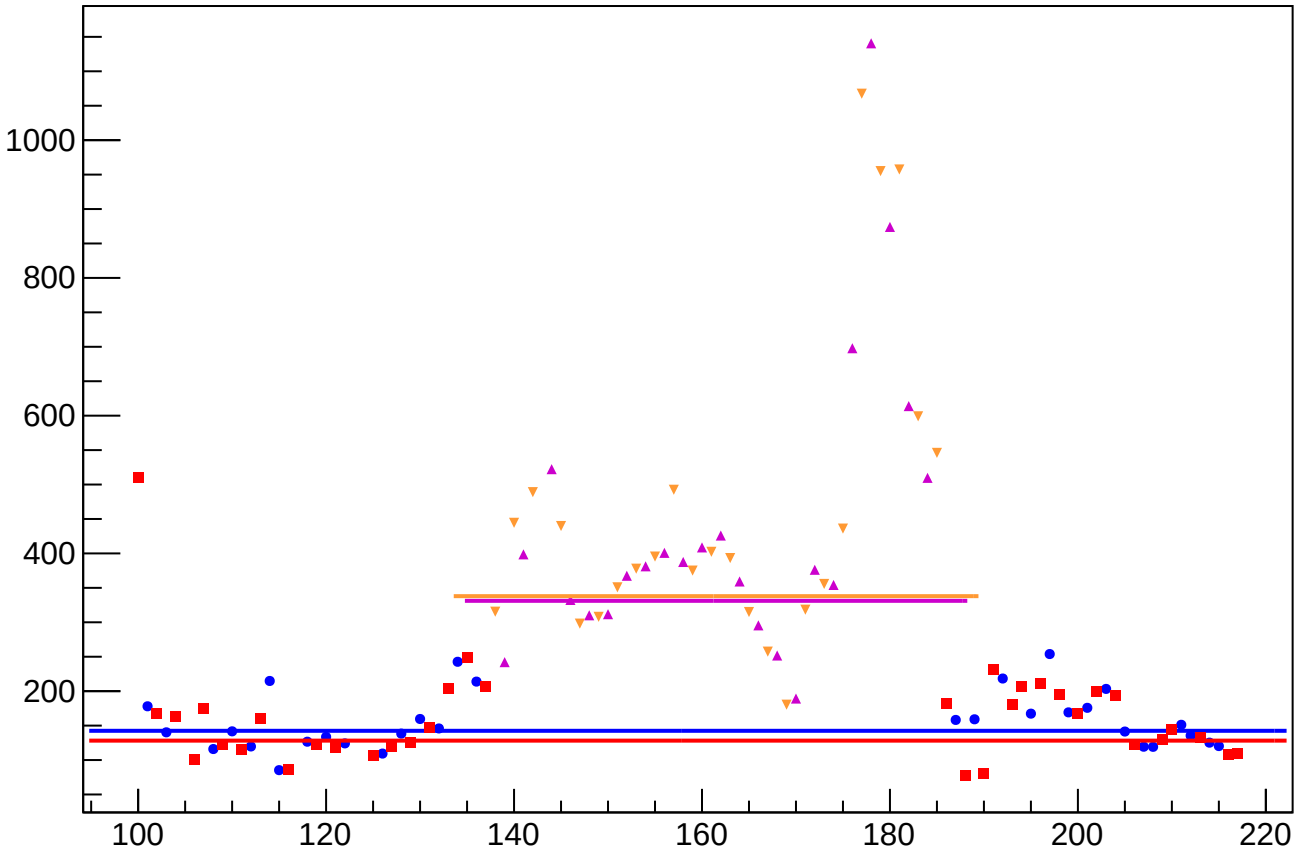
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 65.9/54

All: -0.034+/-0.021 χ^2/NDF: 136.4/112

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 142.446+/-0.024 χ^2/NDF: 1750761.1/30

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

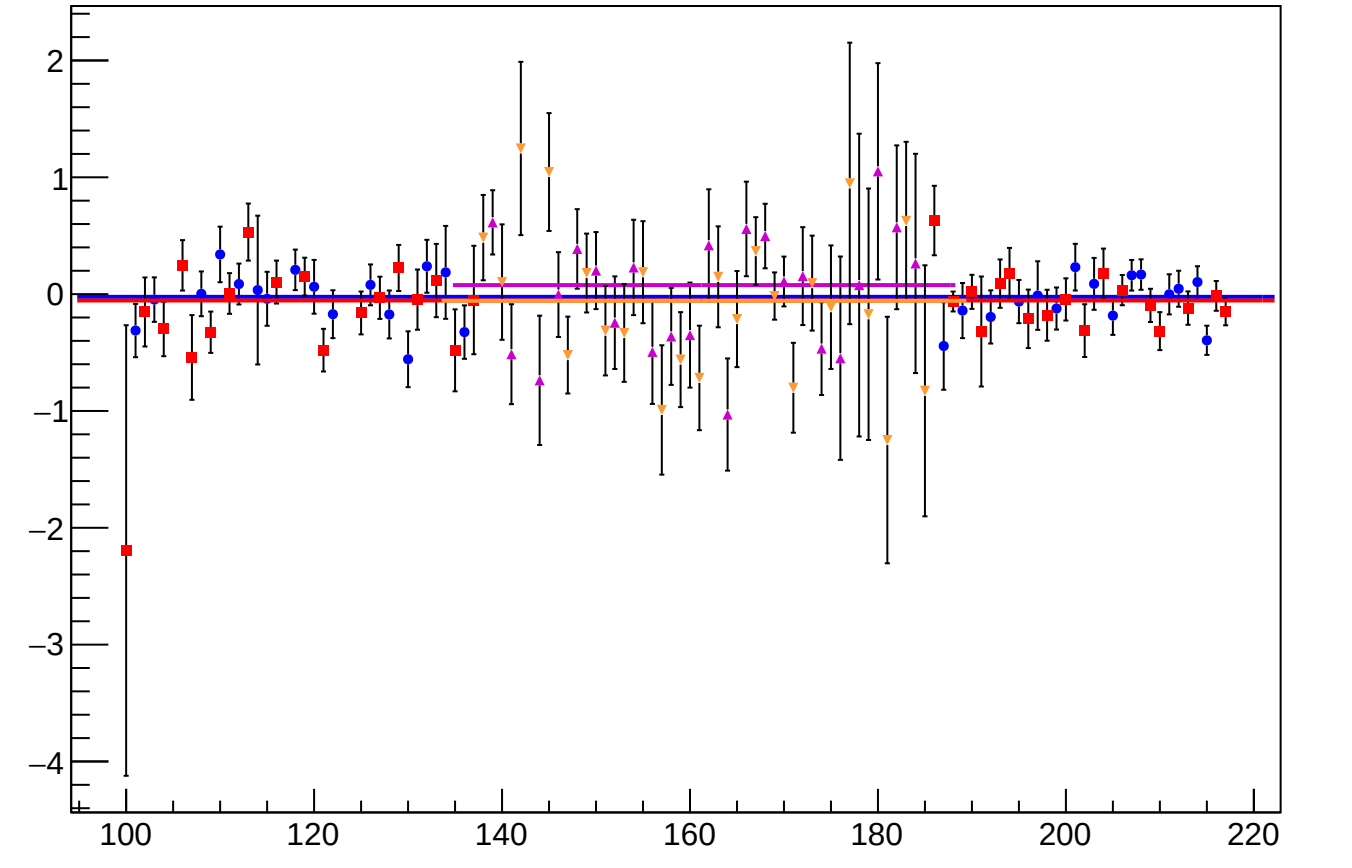
Right Out: 128.179+/-0.022 χ^2/NDF: 3338662.2/34

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 169.564+/-0.023 χ^2/NDF: 15281754.4/54

All: 160.294+/-0.015 χ^2/NDF: 33453971.7/11

- sign 152.626+/-0.020 χ^2/NDF: 17862259.6/57



Right In: -0.023+/-0.034 χ^2/NDF: 35.4/30

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

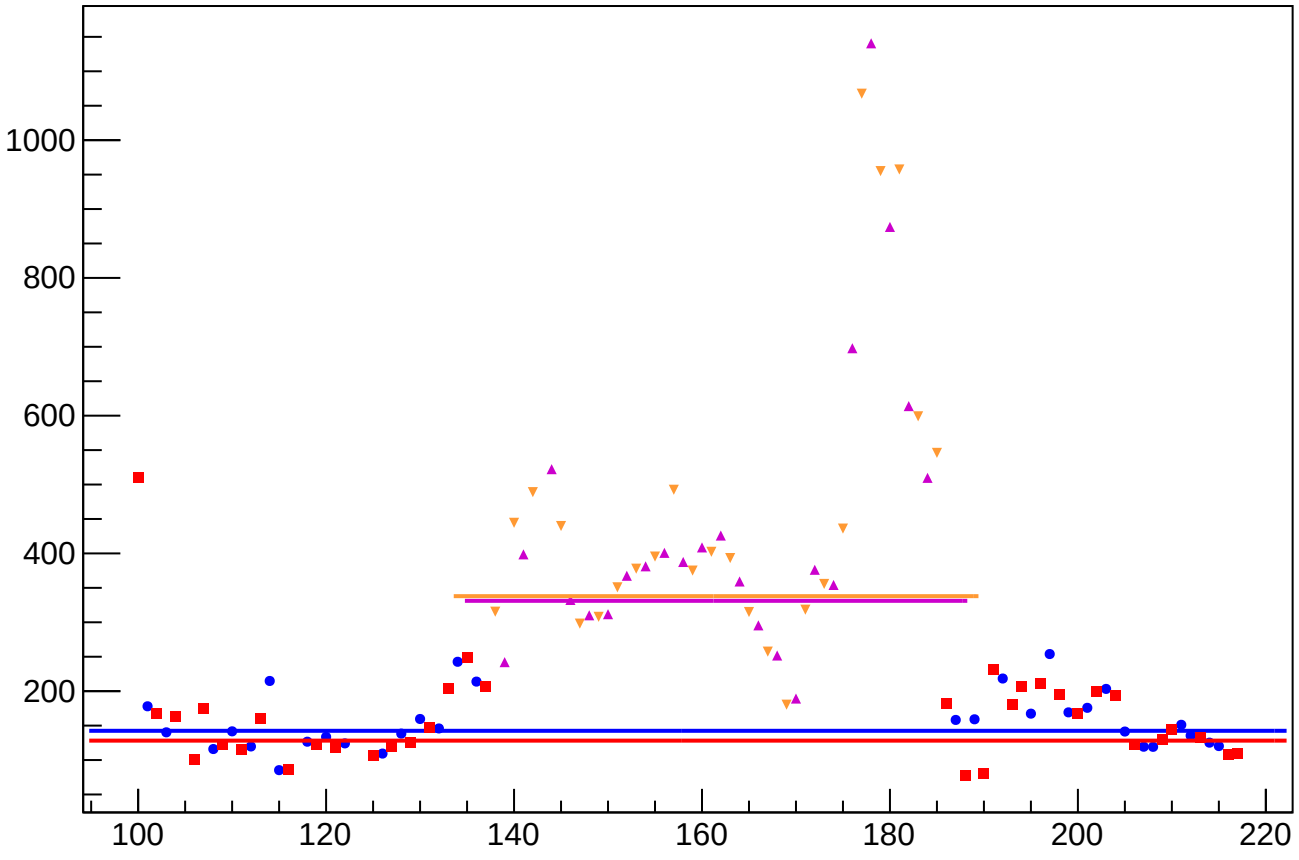
Right Out: -0.054+/-0.031 χ^2/NDF: 41.2/34

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.028+/-0.032 χ^2/NDF: 65.9/54

All: -0.034+/-0.021 χ^2/NDF: 136.4/112

- sign -0.039+/-0.029 χ^2/NDF: 70.4/57



Right In: 142.446+/-0.024 χ^2/NDF: 1750761.1/30

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

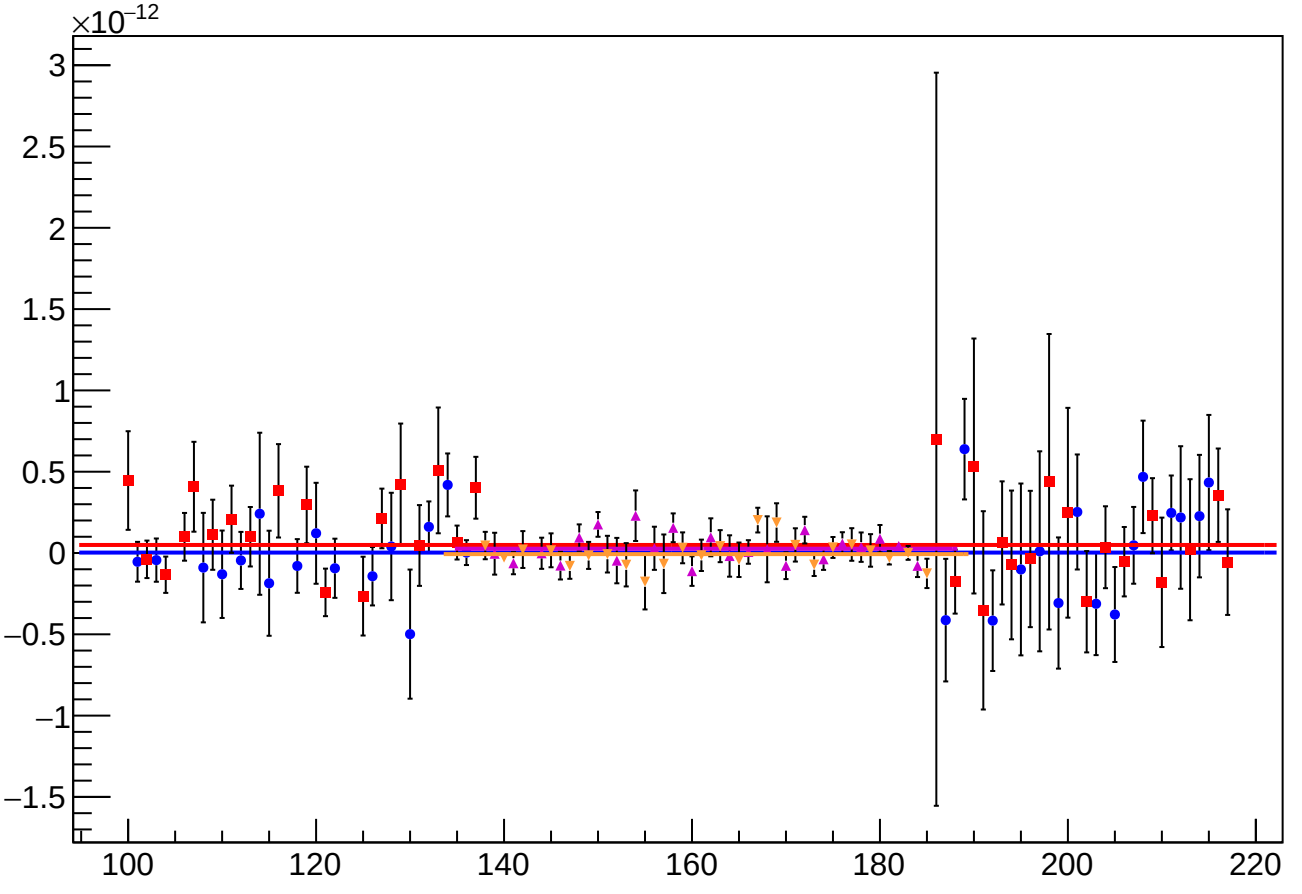
Right Out: 128.179+/-0.022 χ^2/NDF: 3338662.2/34

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 169.564+/-0.023 χ^2/NDF: 15281754.4/54

All: 160.294+/-0.015 χ^2/NDF: 33453971.7/11

- sign 152.626+/-0.020 χ^2/NDF: 17862259.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

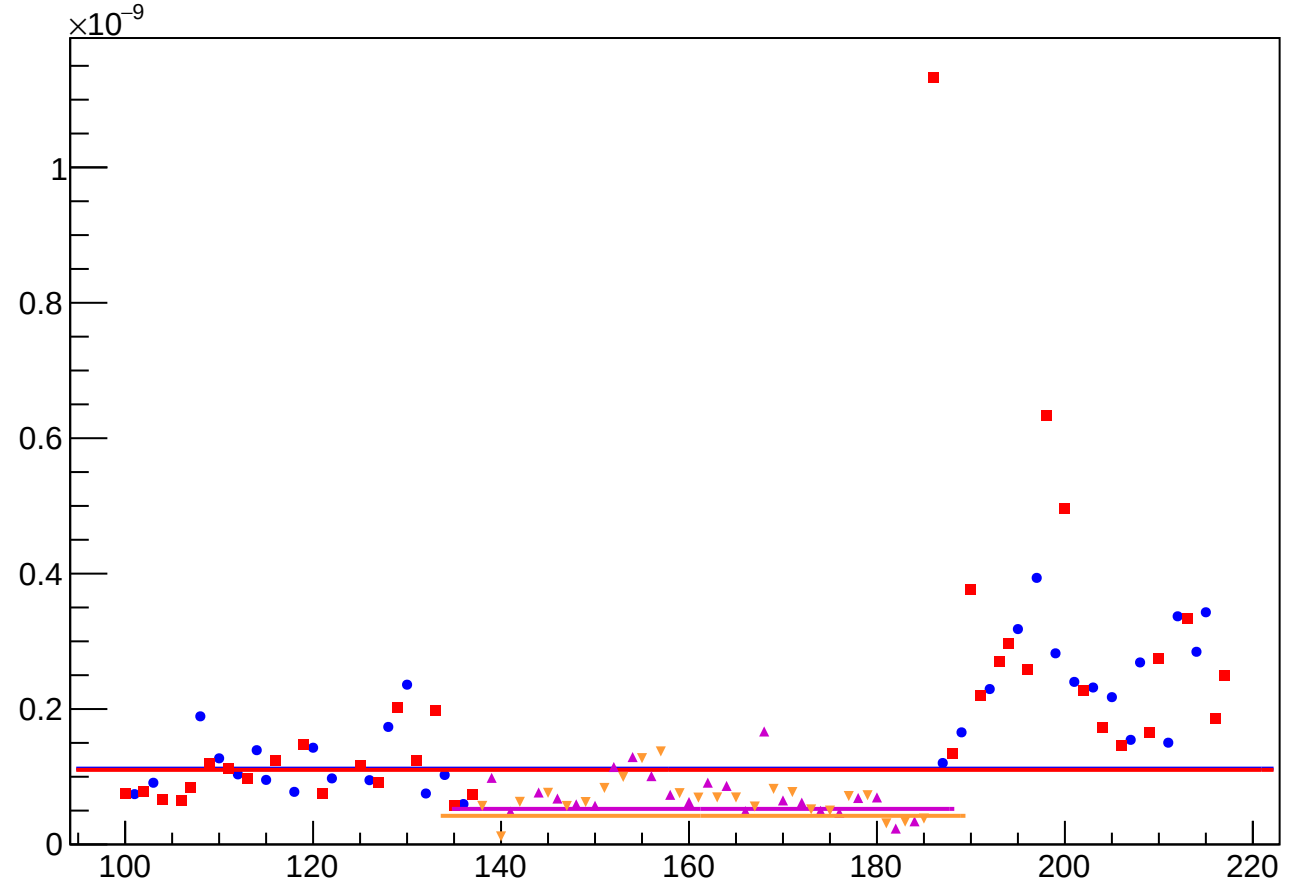
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/34

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.8/54

All: 0.000+/-0.000 χ^2/NDF: 98.7/112

- sign 0.000+/-0.000 χ^2/NDF: 51.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 6153342.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6717268.5/34

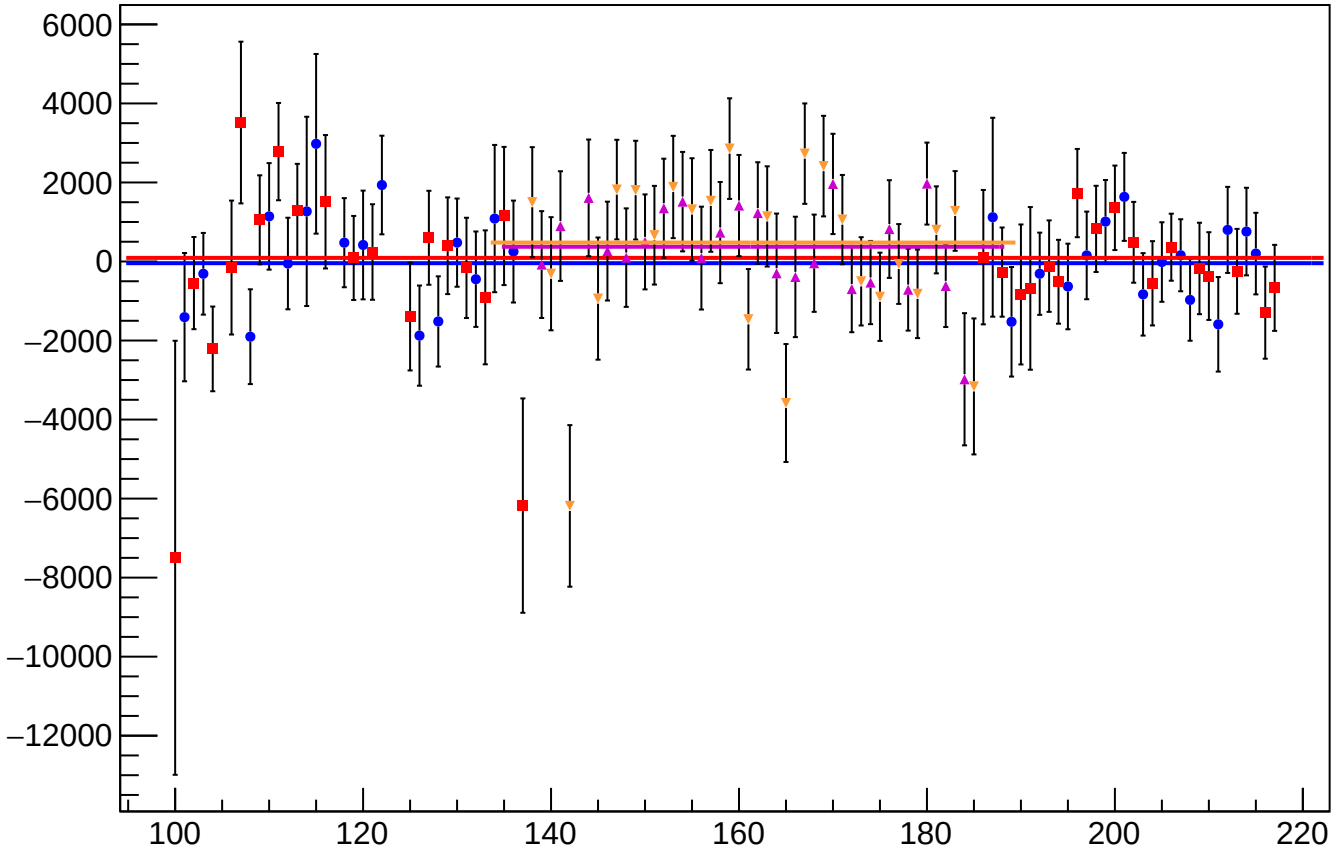
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18686561.6/54

All: 0.000+/-0.000 χ^2/NDF: 34937475.5/112

- sign 0.000+/-0.000 χ^2/NDF: 15670331.2/57

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -42.830+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 91.590+/-209.787 χ^2/NDF: 32.2/34

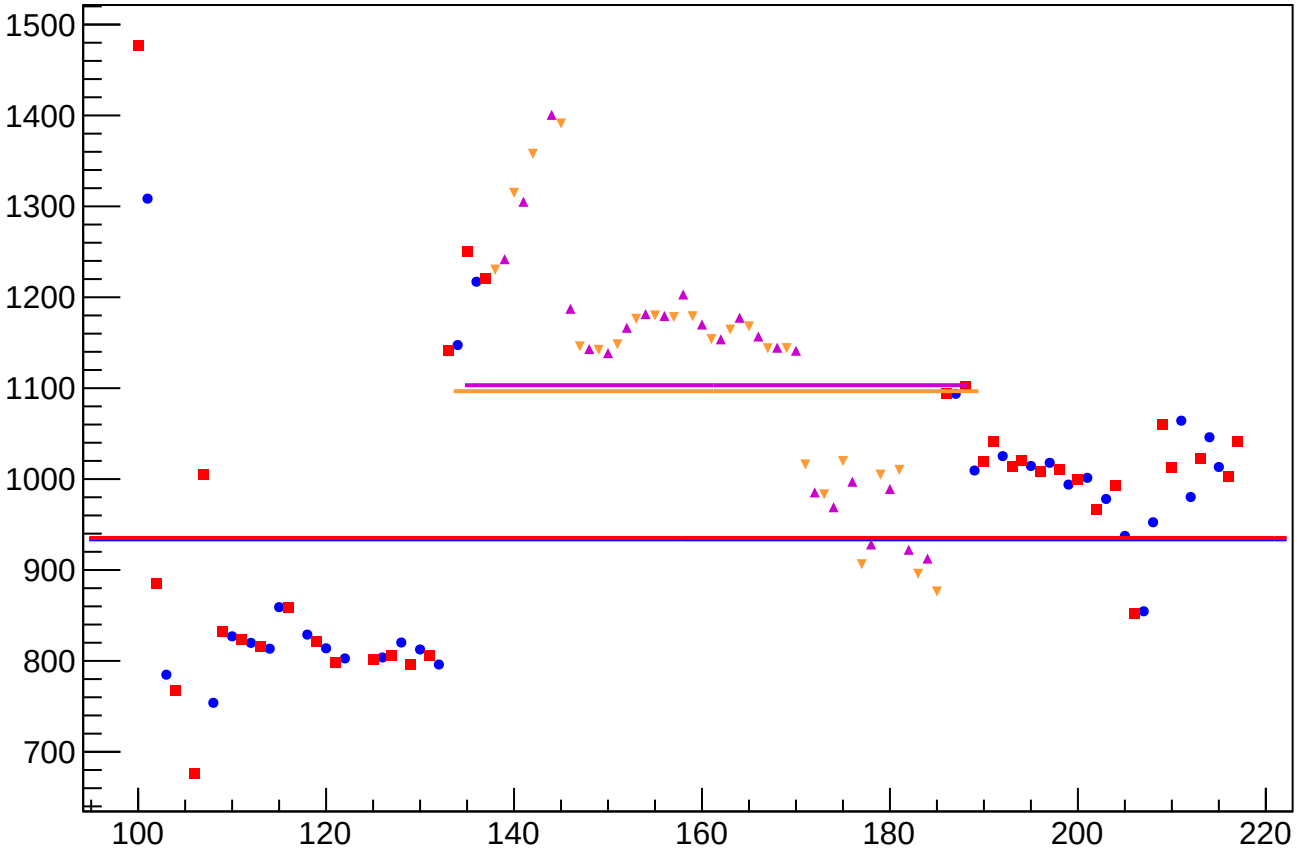
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

+ sign 172.427+/-164.544 χ^2/NDF: 70.3/54

All: 187.789+/-115.835 χ^2/NDF: 119.2/112

- sign 202.883+/-163.097 χ^2/NDF: 48.9/57

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 933.754+/-0.152 χ^2/NDF: 645166.1/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 935.241+/-0.148 χ^2/NDF: 684398.6/34

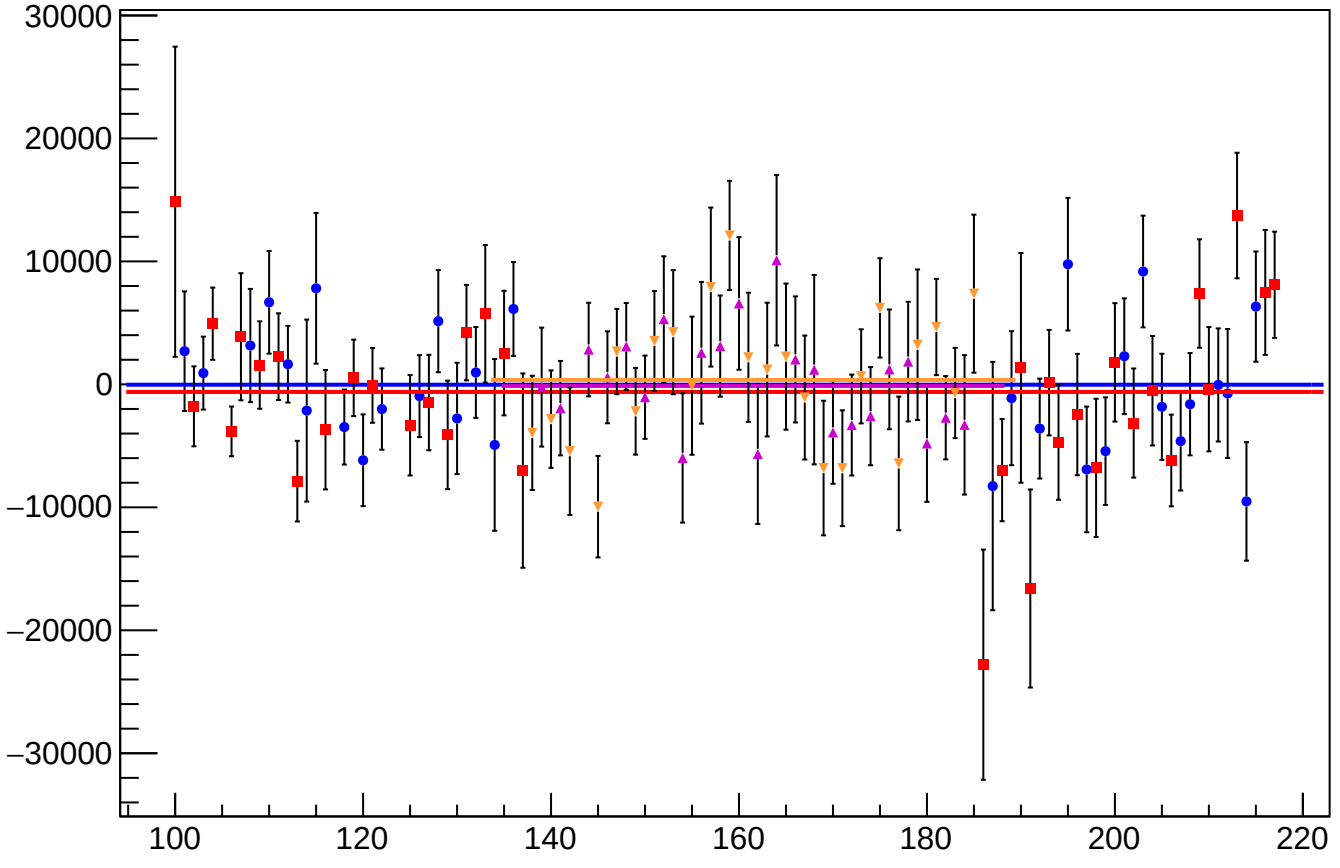
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1000.903+/-0.116 χ^2/NDF: 1600898.5/54

All: 1001.098+/-0.082 χ^2/NDF: 3242595.7/11

- sign 1001.288+/-0.115 χ^2/NDF: 1641691.7/57

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -28.573+/-764.437 χ^2/NDF: 35.0/30

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -616.423+/-699.543 χ^2/NDF: 54.7/34

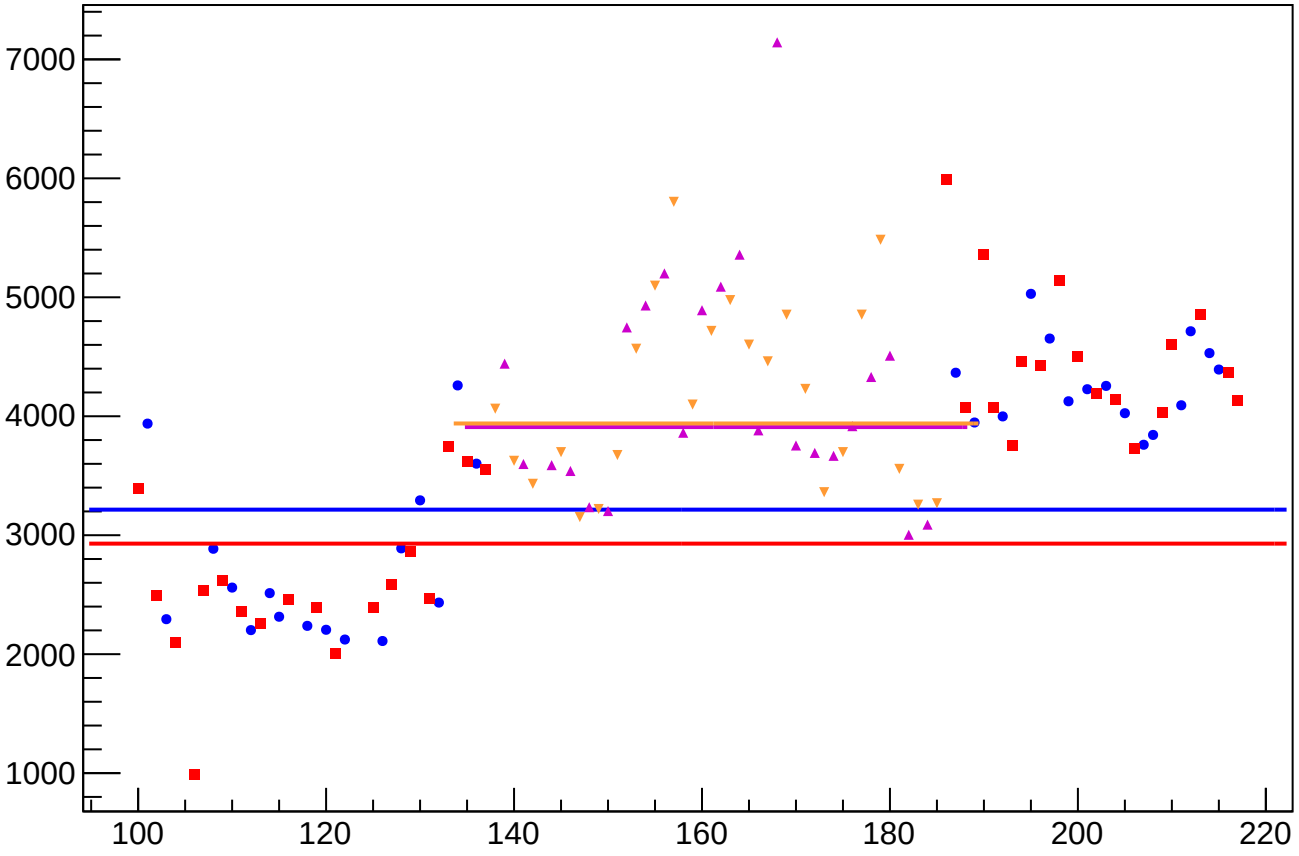
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 126.349+/-591.618 χ^2/NDF: 65.4/54

All: -172.610+/-406.552 χ^2/NDF: 134.5/112

- sign -440.102+/-559.617 χ^2/NDF: 68.6/57

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3214.973+/-0.541 χ^2/NDF: 3008217.6/30

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2929.261+/-0.495 χ^2/NDF: 5522501.9/34

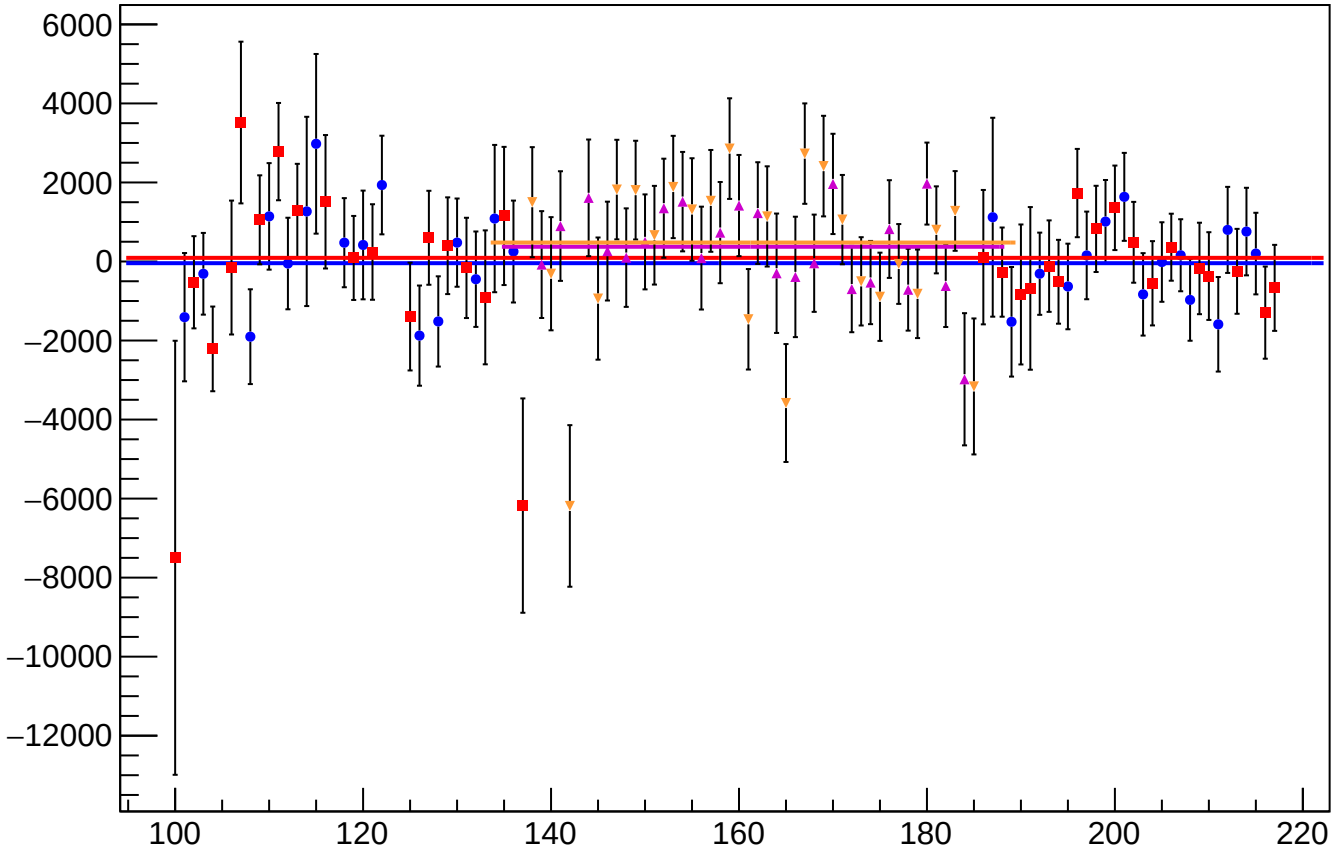
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3505.439+/-0.418 χ^2/NDF: 4820921.5/54

All: 3387.542+/-0.287 χ^2/NDF: 13207516.5/1

- sign 3282.053+/-0.396 χ^2/NDF: 8236104.7/57

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -42.829+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 92.294+/-209.789 χ^2/NDF: 32.1/34

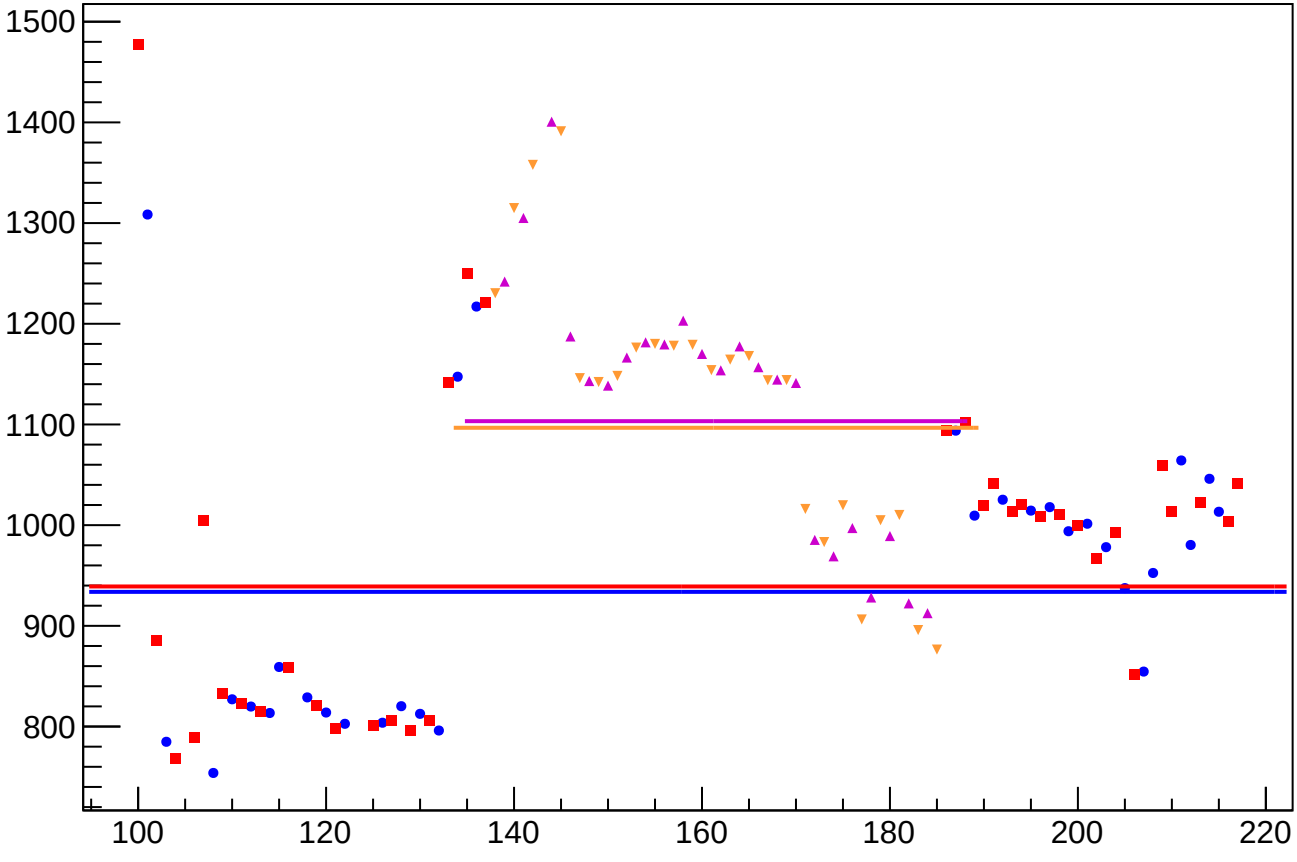
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 172.439+/-164.544 χ^2/NDF: 70.3/54

All: 188.005+/-115.835 χ^2/NDF: 119.2/112

- sign 203.299+/-163.098 χ^2/NDF: 48.9/57

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 933.754+/-0.152 χ^2/NDF: 645166.0/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 939.098+/-0.148 χ^2/NDF: 623186.5/34

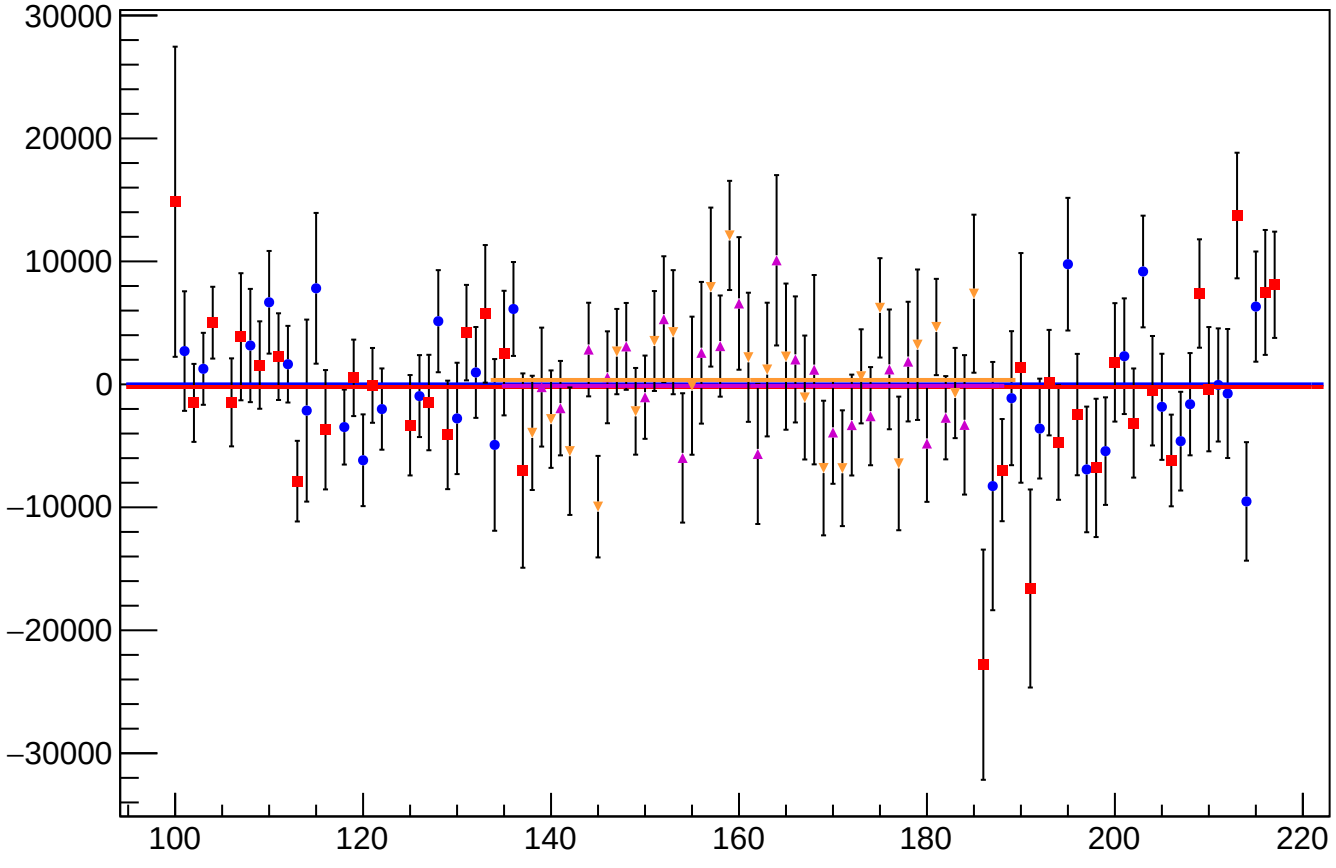
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1000.903+/-0.116 χ^2/NDF: 1600898.6/54

All: 1002.404+/-0.082 χ^2/NDF: 3157377.1/11

- sign 1003.874+/-0.115 χ^2/NDF: 1556149.2/57

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -2.964+/-763.758 χ^2/NDF: 35.1/30

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -214.171+/-728.752 χ^2/NDF: 52.0/34

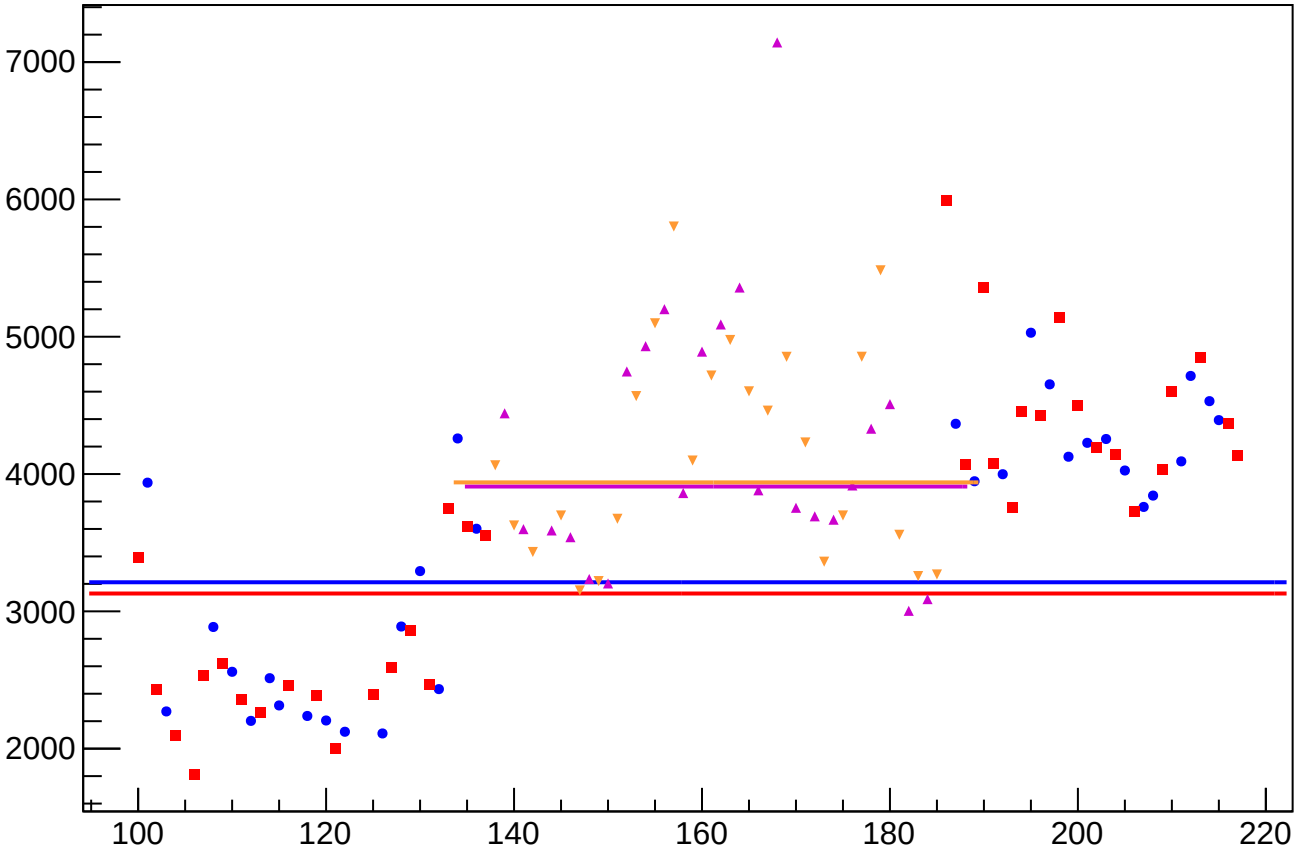
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 141.533+/-591.304 χ^2/NDF: 65.4/54

All: -24.448+/-411.949 χ^2/NDF: 131.4/112

- sign -180.986+/-574.238 χ^2/NDF: 65.8/57

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3211.761+/-0.540 χ^2/NDF: 3023267.5/30

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

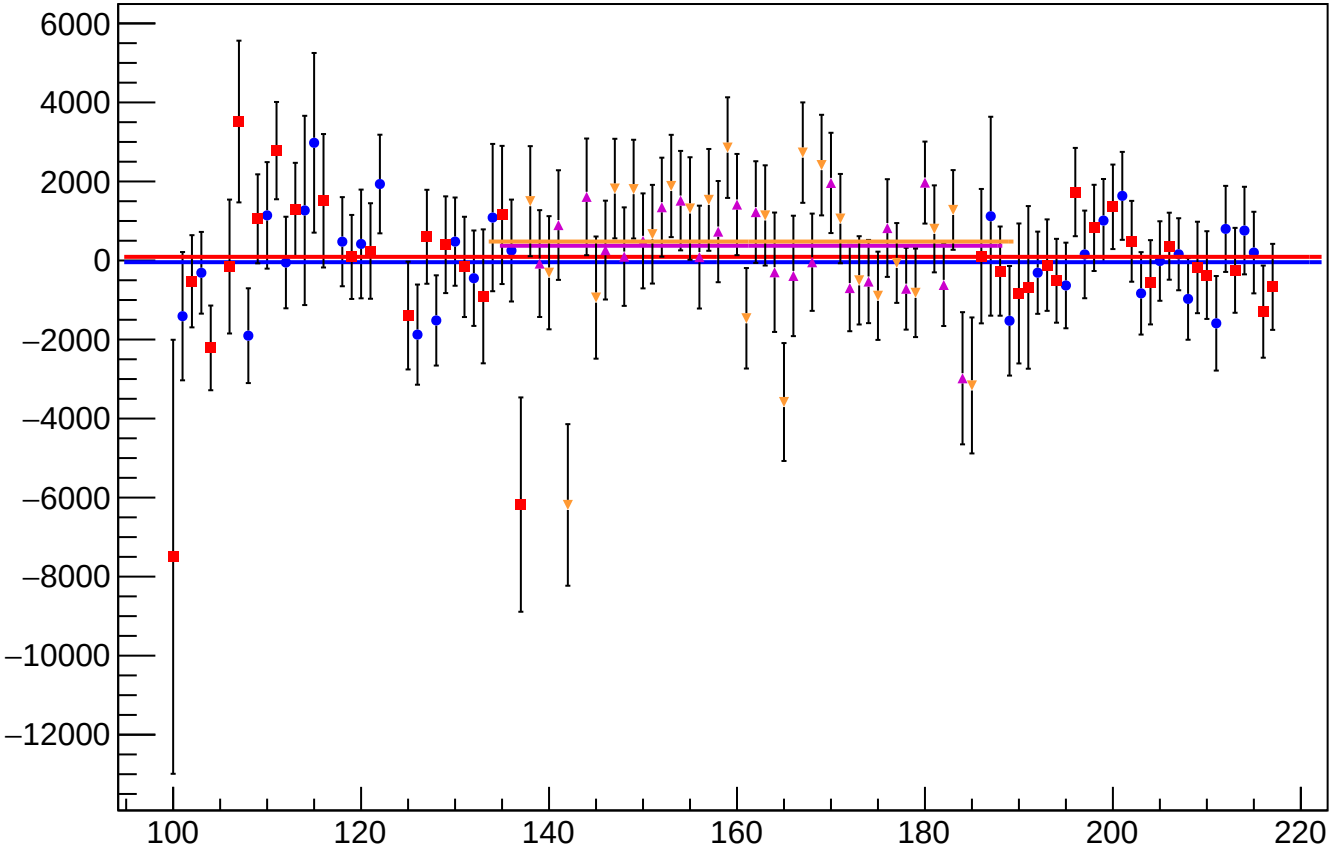
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3503.206+/-0.418 χ^2/NDF: 4842887.9/54

All: 3463.100+/-0.291 χ^2/NDF: 10767355.1/1

- sign 3425.275+/-0.406 χ^2/NDF: 5906588.4/57

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -42.829+/-214.594 χ^2/NDF: 22.7/30

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 92.294+/-209.789 χ^2/NDF: 32.1/34

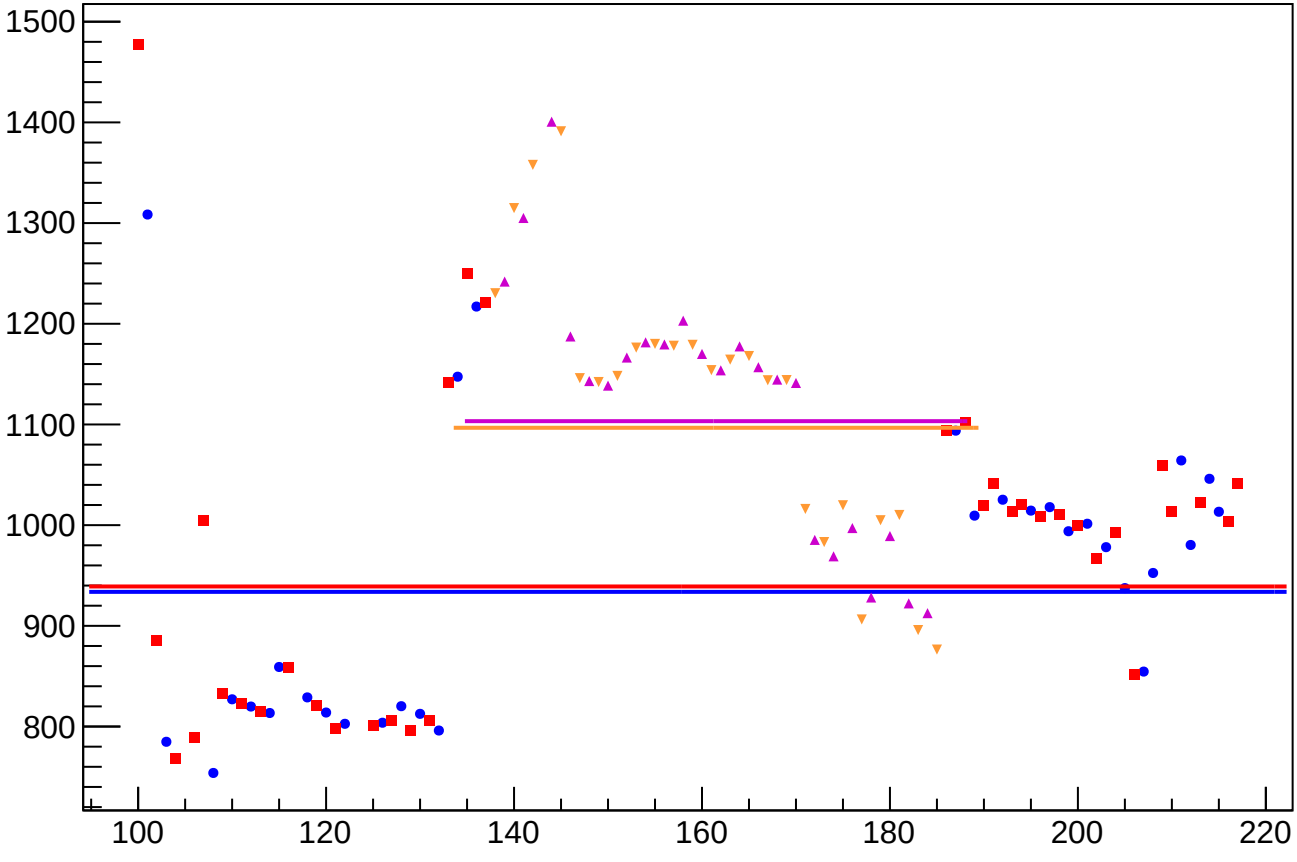
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 172.439+/-164.544 χ^2/NDF: 70.3/54

All: 188.005+/-115.835 χ^2/NDF: 119.2/112

- sign 203.299+/-163.098 χ^2/NDF: 48.9/57

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 933.754+/-0.152 χ^2/NDF: 645166.0/30

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

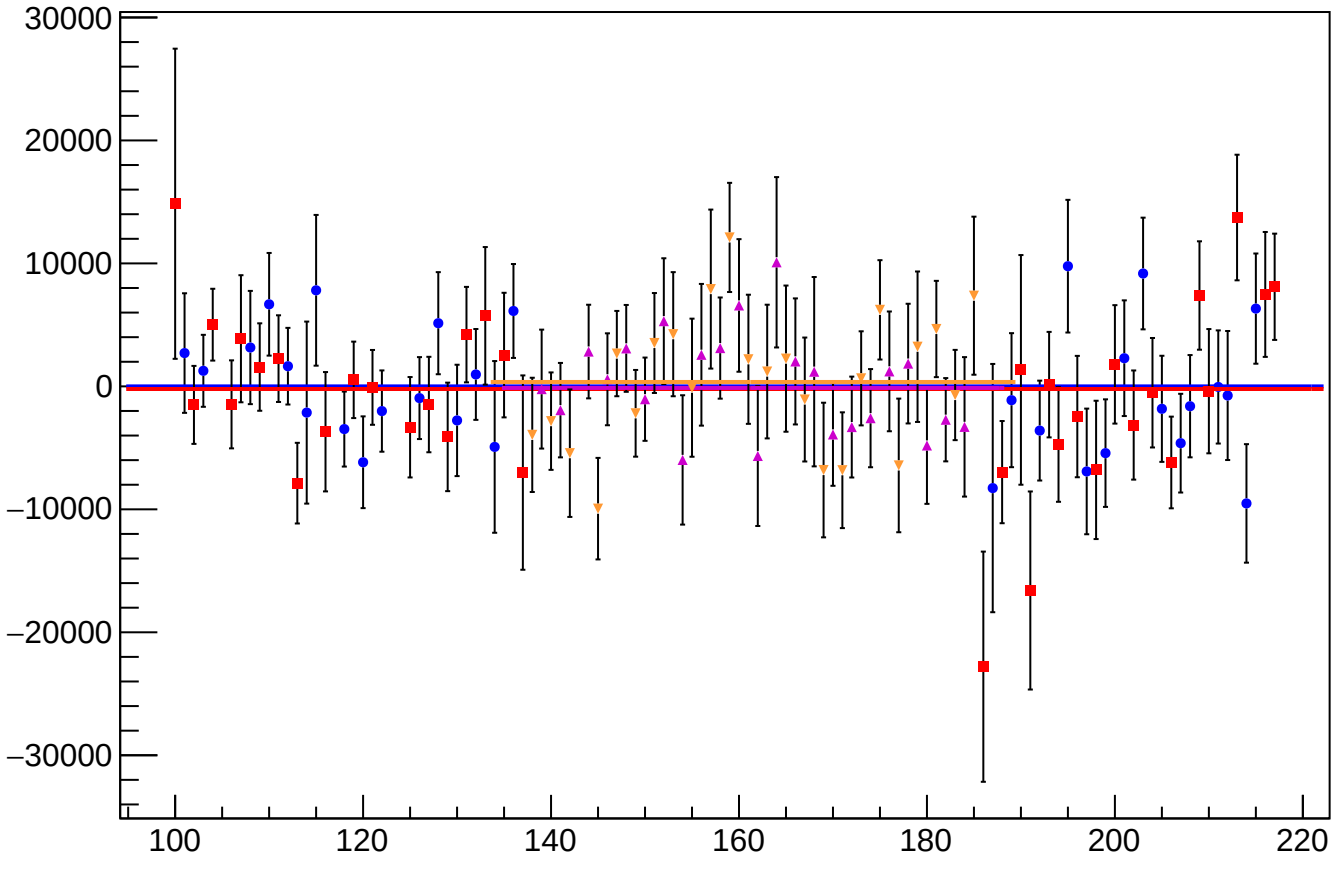
Right Out: 939.098+/-0.148 χ^2/NDF: 623186.5/34

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1000.903+/-0.116 χ^2/NDF: 1600898.6/54

All: 1002.404+/-0.082 χ^2/NDF: 3157377.1/11

- sign 1003.874+/-0.115 χ^2/NDF: 1556149.2/57



Right In: -2.964+/-763.758 χ^2/NDF: 35.1/30

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -214.171+/-728.752 χ^2/NDF: 52.0/34

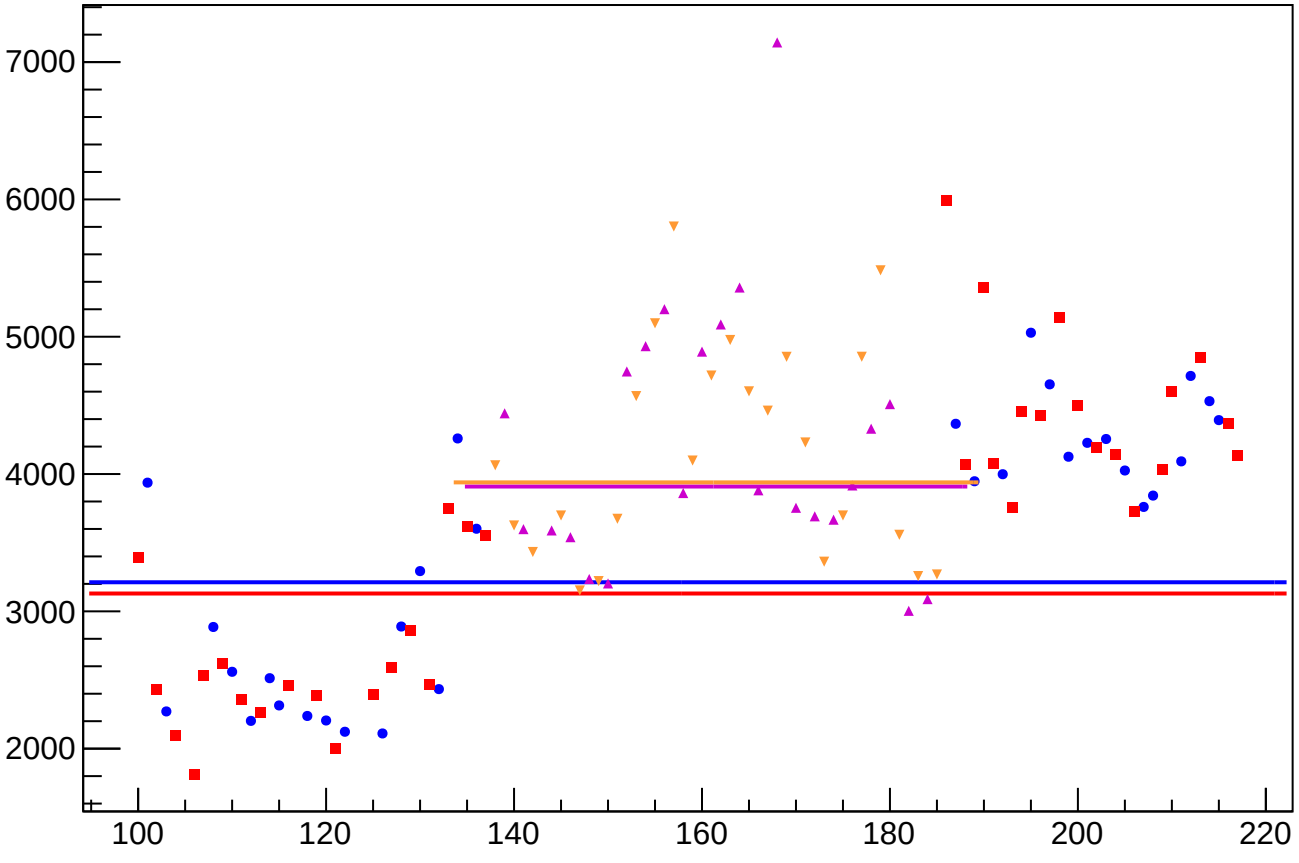
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 141.533+/-591.304 χ^2/NDF: 65.4/54

All: -24.448+/-411.949 χ^2/NDF: 131.4/112

- sign -180.986+/-574.238 χ^2/NDF: 65.8/57

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug



Right In: 3211.761+/-0.540 χ^2/NDF: 3023267.5/30

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3129.854+/-0.515 χ^2/NDF: 3738841.5/34

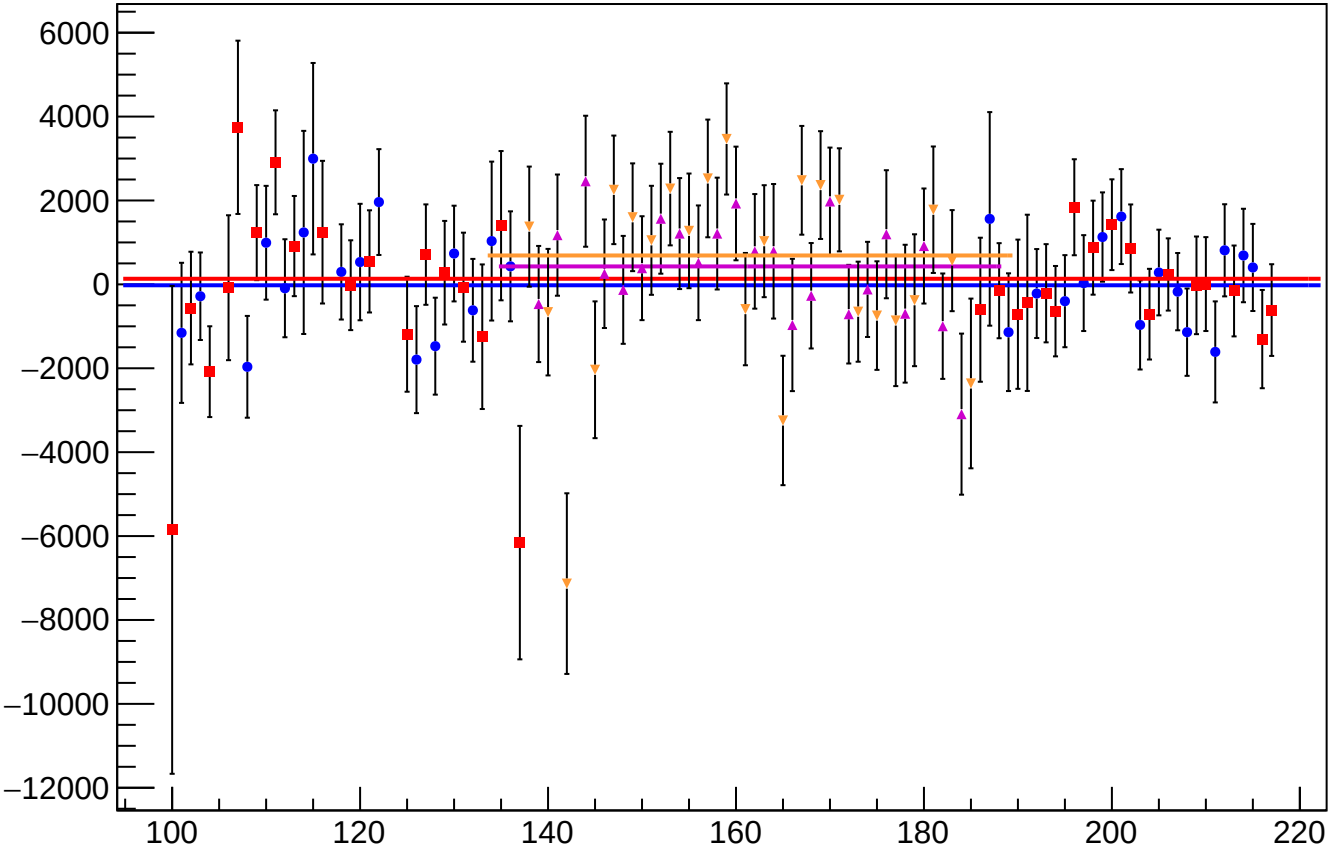
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3503.206+/-0.418 χ^2/NDF: 4842887.9/54

All: 3463.100+/-0.291 χ^2/NDF: 10767355.1/1

- sign 3425.275+/-0.406 χ^2/NDF: 5906588.4/57

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -21.483+/-217.251 χ^2/NDF: 22.4/30

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 133.740+/-213.078 χ^2/NDF: 31.4/34

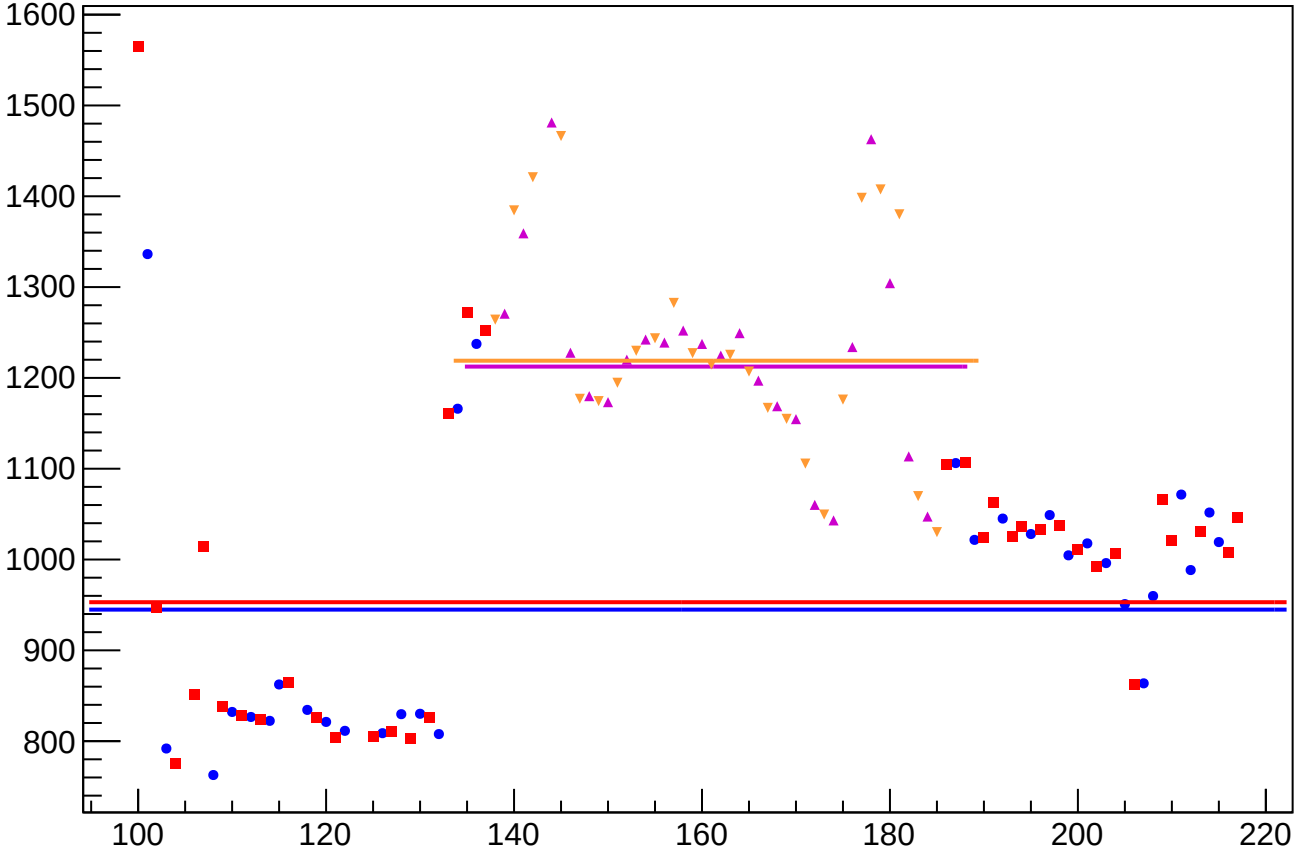
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 240.376+/-172.640 χ^2/NDF: 72.1/54

All: 239.962+/-121.319 χ^2/NDF: 118.8/112

- sign 239.559+/-170.523 χ^2/NDF: 46.7/57

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 944.840+/-0.154 χ^2/NDF: 661164.1/30

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 953.008+/-0.151 χ^2/NDF: 621532.4/34

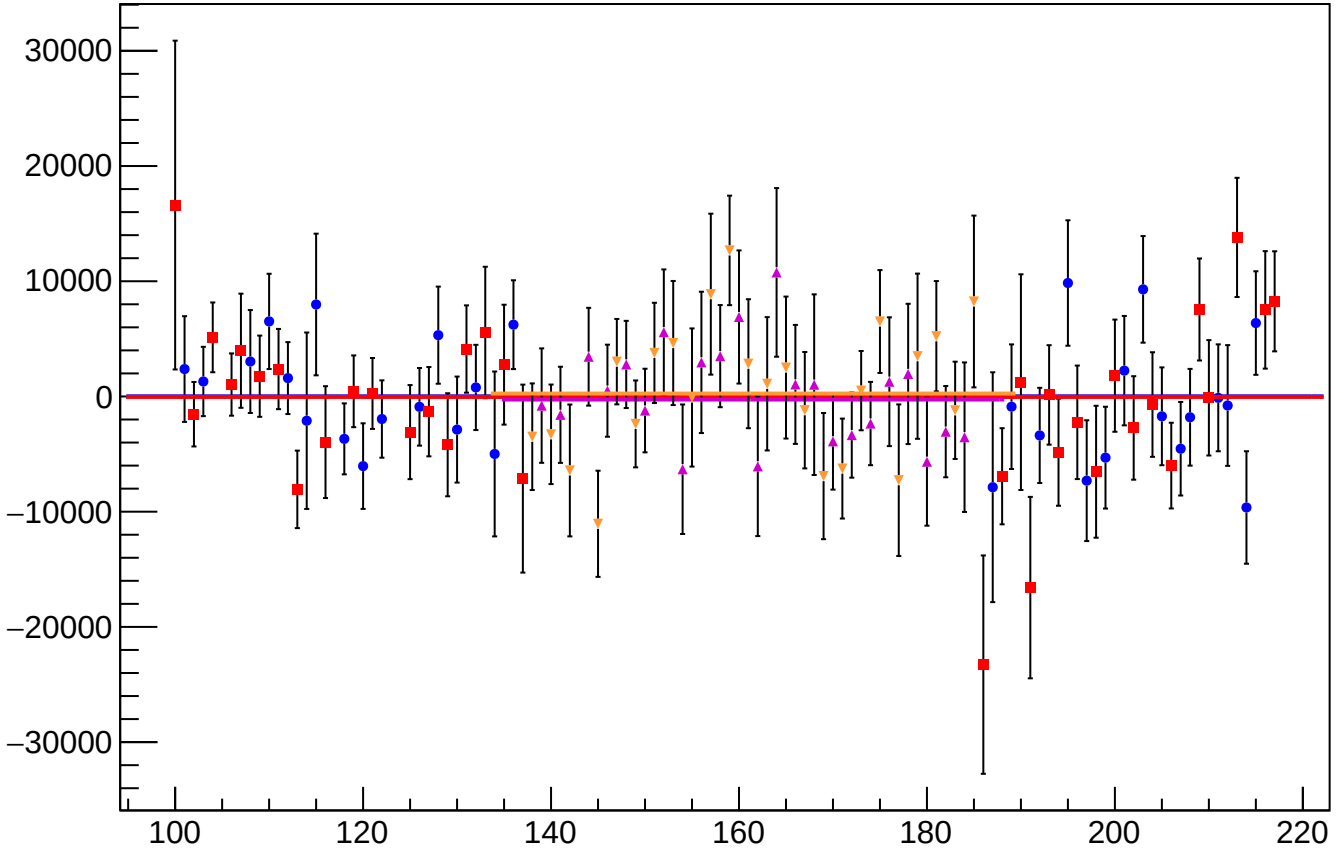
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1045.847+/-0.122 χ^2/NDF: 2128174.5/54

All: 1046.045+/-0.086 χ^2/NDF: 4076412.2/11

- sign 1046.239+/-0.121 χ^2/NDF: 1948232.4/57

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 10.363+/-768.428 χ^2/NDF: 34.8/30

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -38.253+/-715.909 χ^2/NDF: 52.0/34

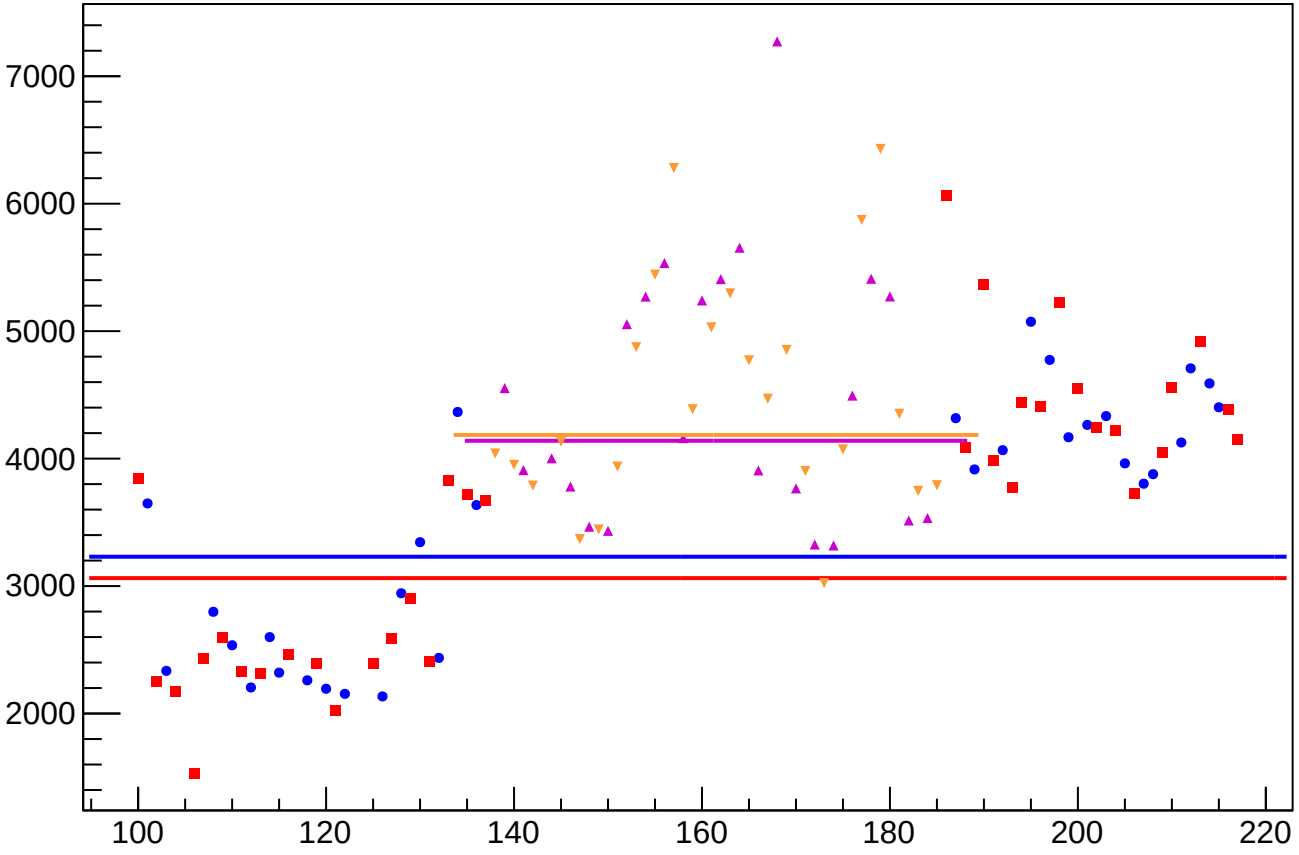
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 100.922+/-608.208 χ^2/NDF: 64.5/54

All: -12.936+/-419.792 χ^2/NDF: 130.1/112

- sign -116.527+/-580.136 χ^2/NDF: 65.5/57

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3230.234+/-0.543 χ^2/NDF: 2999267.3/30

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3062.401+/-0.506 χ^2/NDF: 4273055.0/34

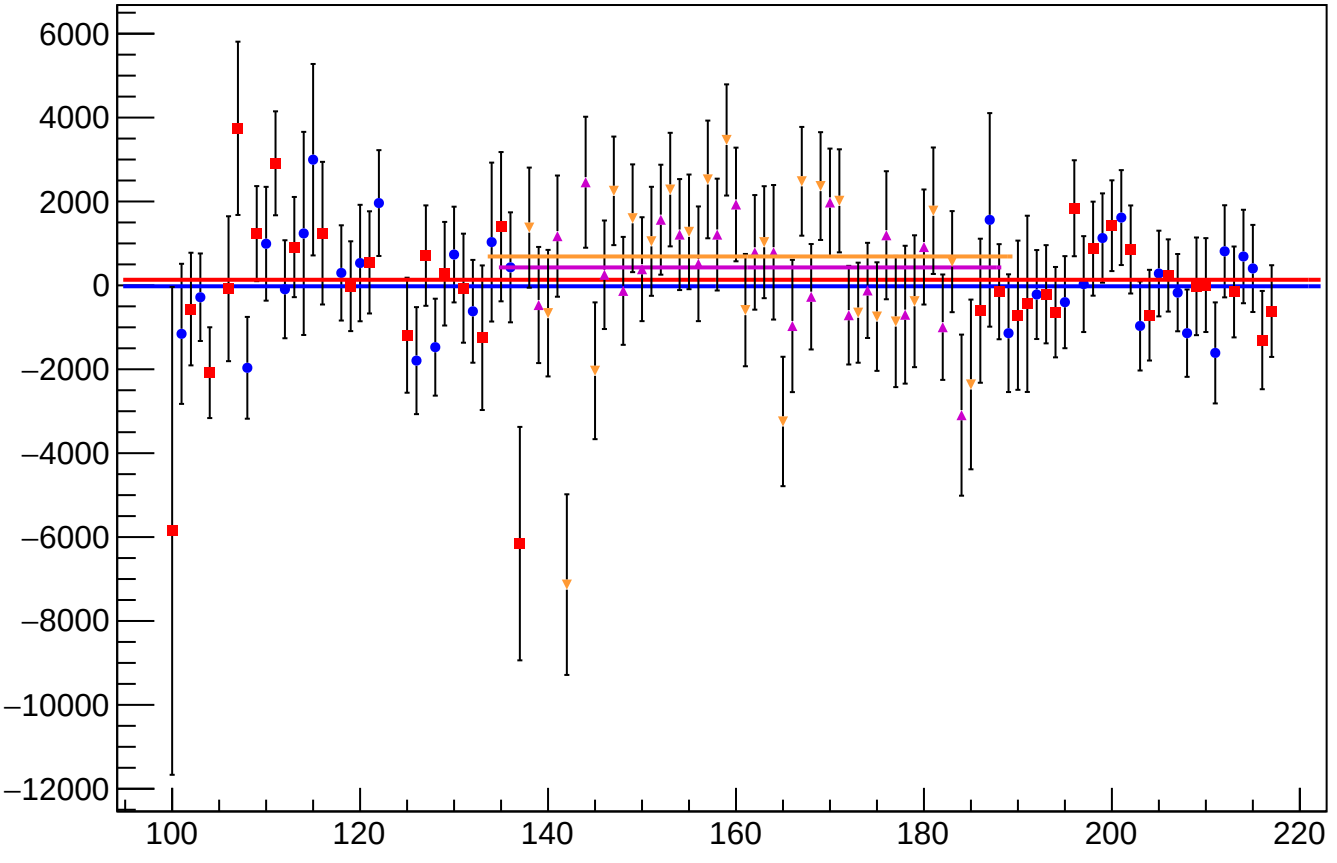
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3587.114+/-0.430 χ^2/NDF: 5425411.5/54

All: 3506.102+/-0.297 χ^2/NDF: 12772075.6/1

- sign 3432.396+/-0.410 χ^2/NDF: 7278896.9/57

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -21.485+/-217.251 χ^2/NDF: 22.4/30

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 133.740+/-213.078 χ^2/NDF: 31.4/34

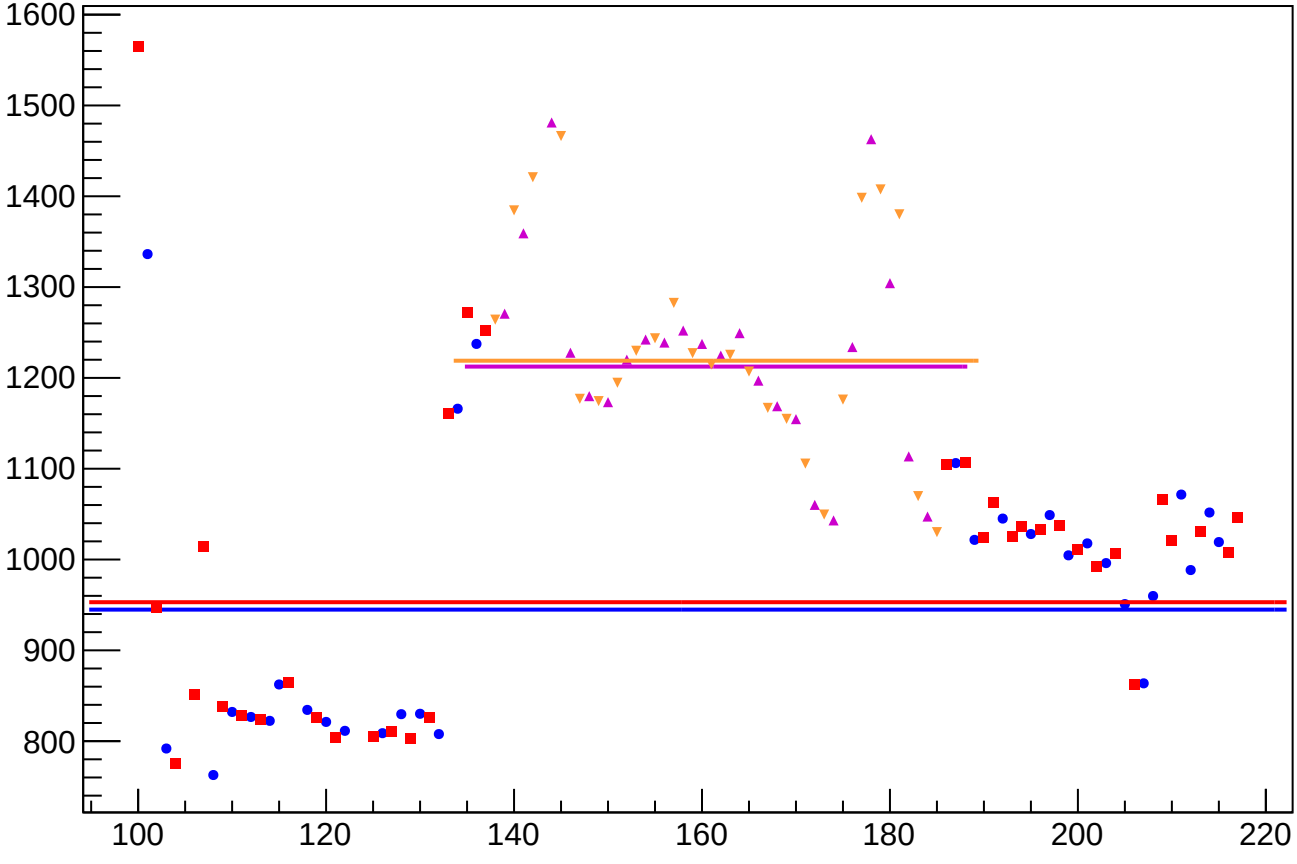
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 240.375+/-172.640 χ^2/NDF: 72.1/54

All: 239.962+/-121.319 χ^2/NDF: 118.8/112

- sign 239.558+/-170.523 χ^2/NDF: 46.7/57

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 944.840+/-0.154 χ^2/NDF: 661163.8/30

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

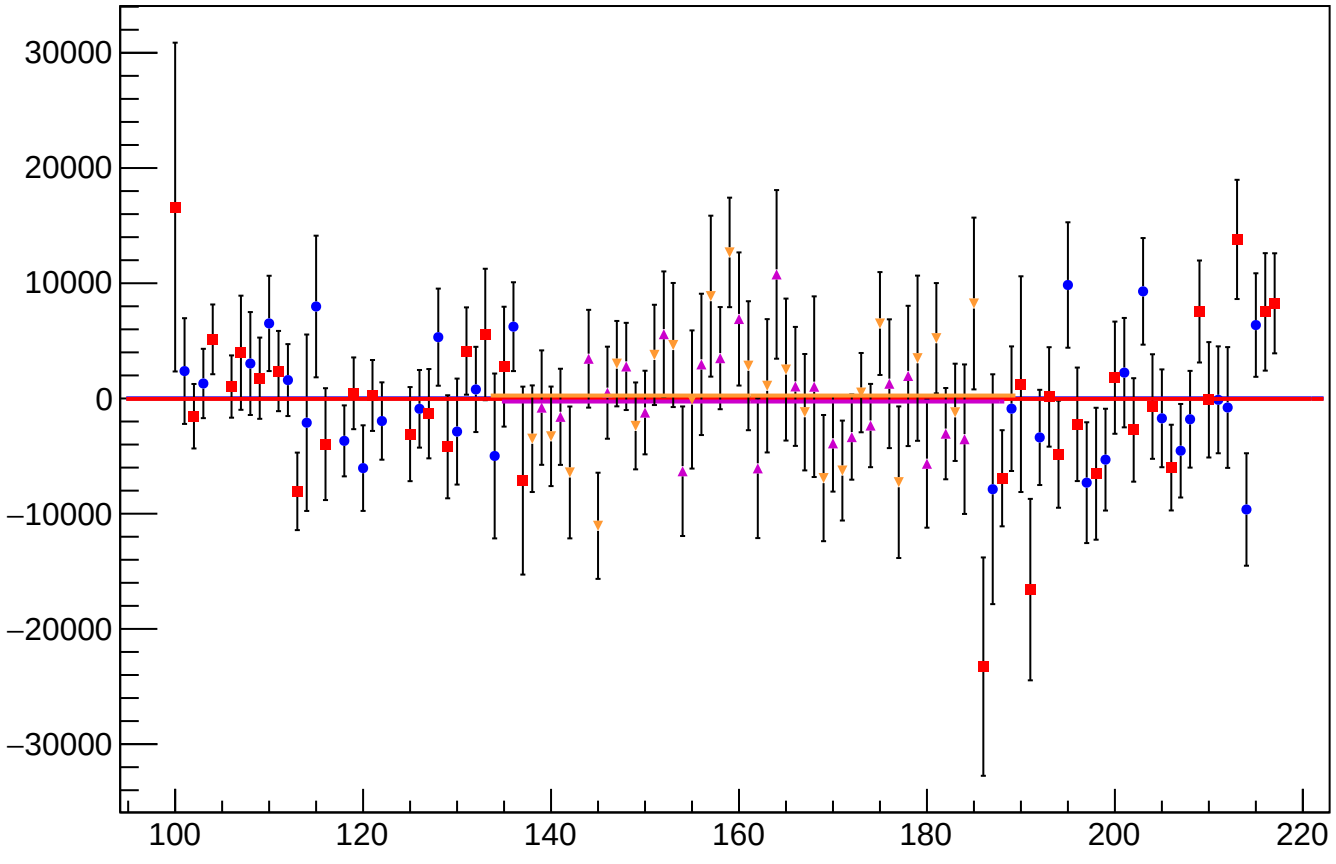
Right Out: 953.008+/-0.151 χ^2/NDF: 621532.7/34

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1045.847+/-0.122 χ^2/NDF: 2128191.5/54

All: 1046.045+/-0.086 χ^2/NDF: 4076446.6/11

- sign 1046.239+/-0.121 χ^2/NDF: 1948249.9/57



Right In: 10.362+/-768.427 χ^2/NDF: 34.8/30

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

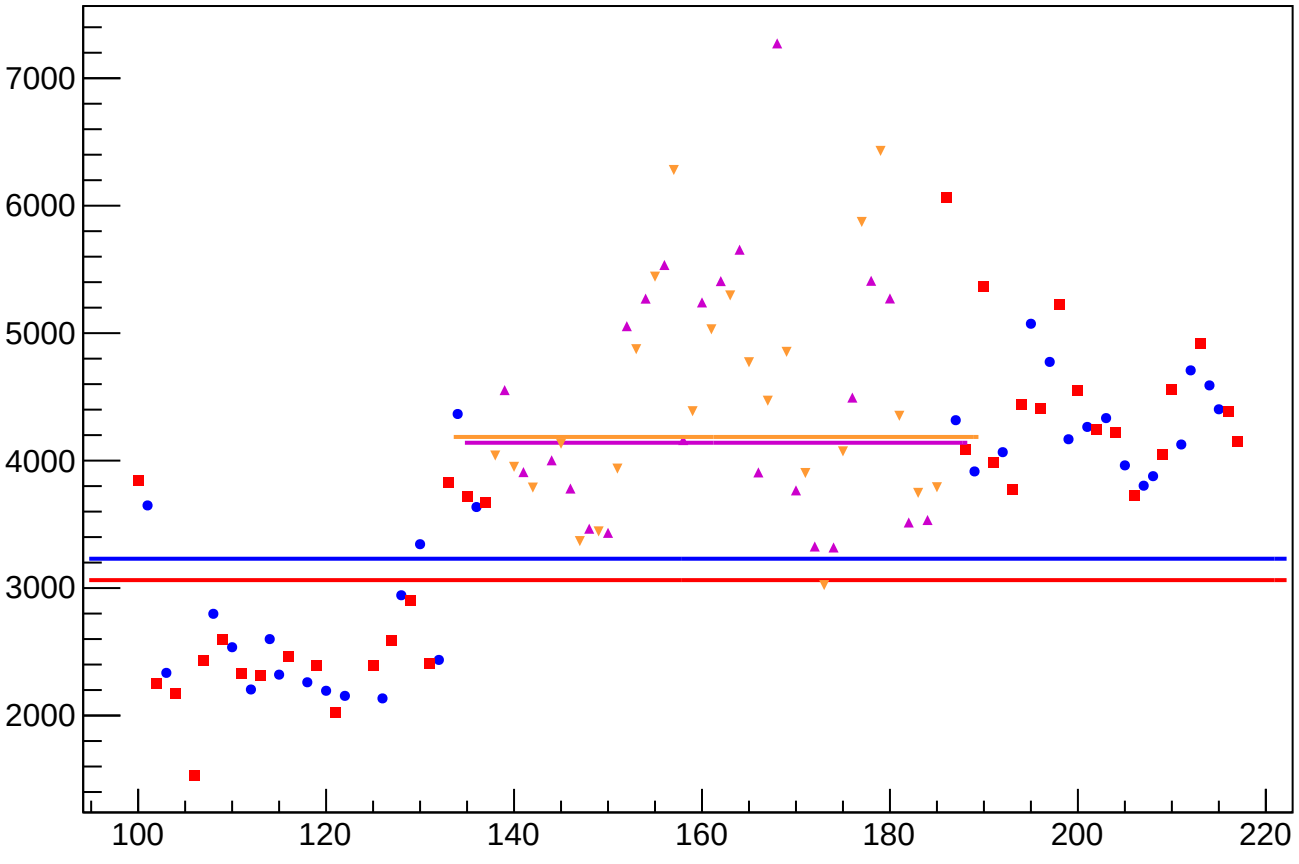
Right Out: -38.250+/-715.908 χ^2/NDF: 52.0/34

Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 100.922+/-608.208 χ^2/NDF: 64.5/54

All: -12.935+/-419.792 χ^2/NDF: 130.1/112

- sign -116.525+/-580.136 χ^2/NDF: 65.5/57



Right In: 3230.228+/-0.543 χ^2/NDF: 2999323.6/30

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3062.396+/-0.506 χ^2/NDF: 4273100.9/34

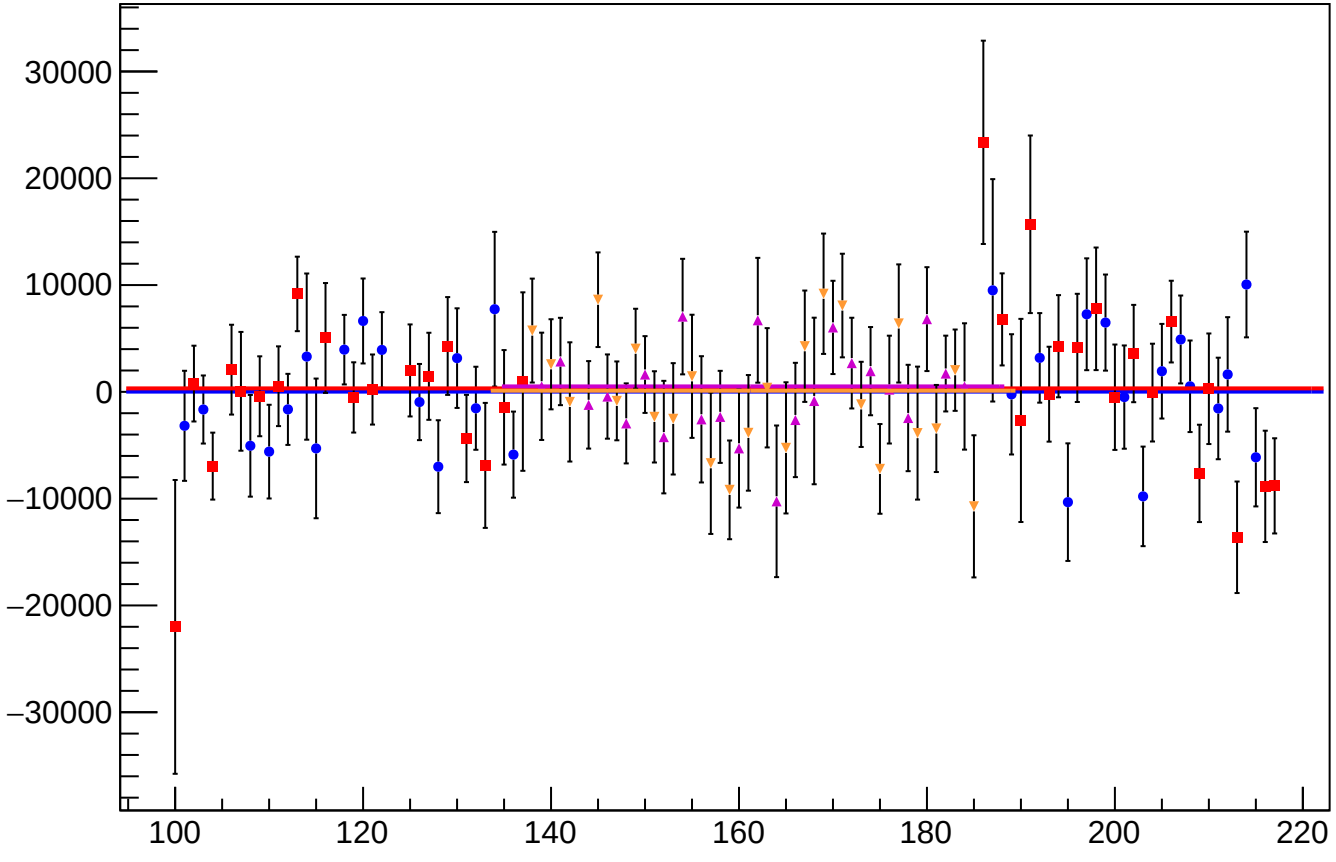
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3587.113+/-0.430 χ^2/NDF: 5425496.9/54

All: 3506.100+/-0.297 χ^2/NDF: 12772244.1/1

- sign 3432.393+/-0.410 χ^2/NDF: 7278979.0/57

asym_usl_atl2_dd_mean vs Slug



Right In: 23.440+/-800.438 χ^2/NDF: 37.6/30

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 324.190+/-768.725 χ^2/NDF: 54.8/34

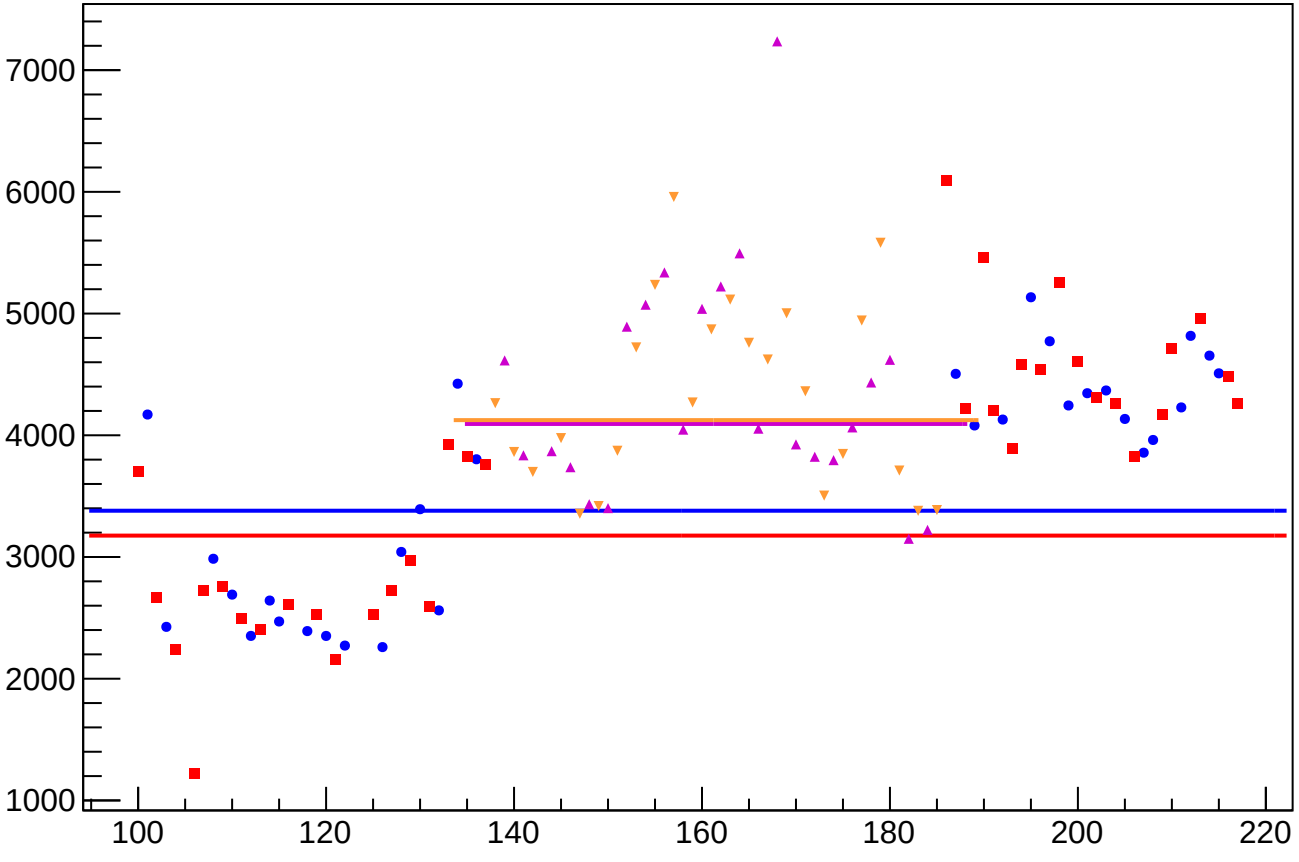
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 57.849+/-618.814 χ^2/NDF: 65.6/54

All: 230.718+/-432.039 χ^2/NDF: 134.1/112

- sign 395.118+/-603.467 χ^2/NDF: 68.3/57

asym_usl_atl2_dd_rms vs Slug



Right In: 3380.214+/-0.566 χ^2/NDF: 2701292.0/30

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

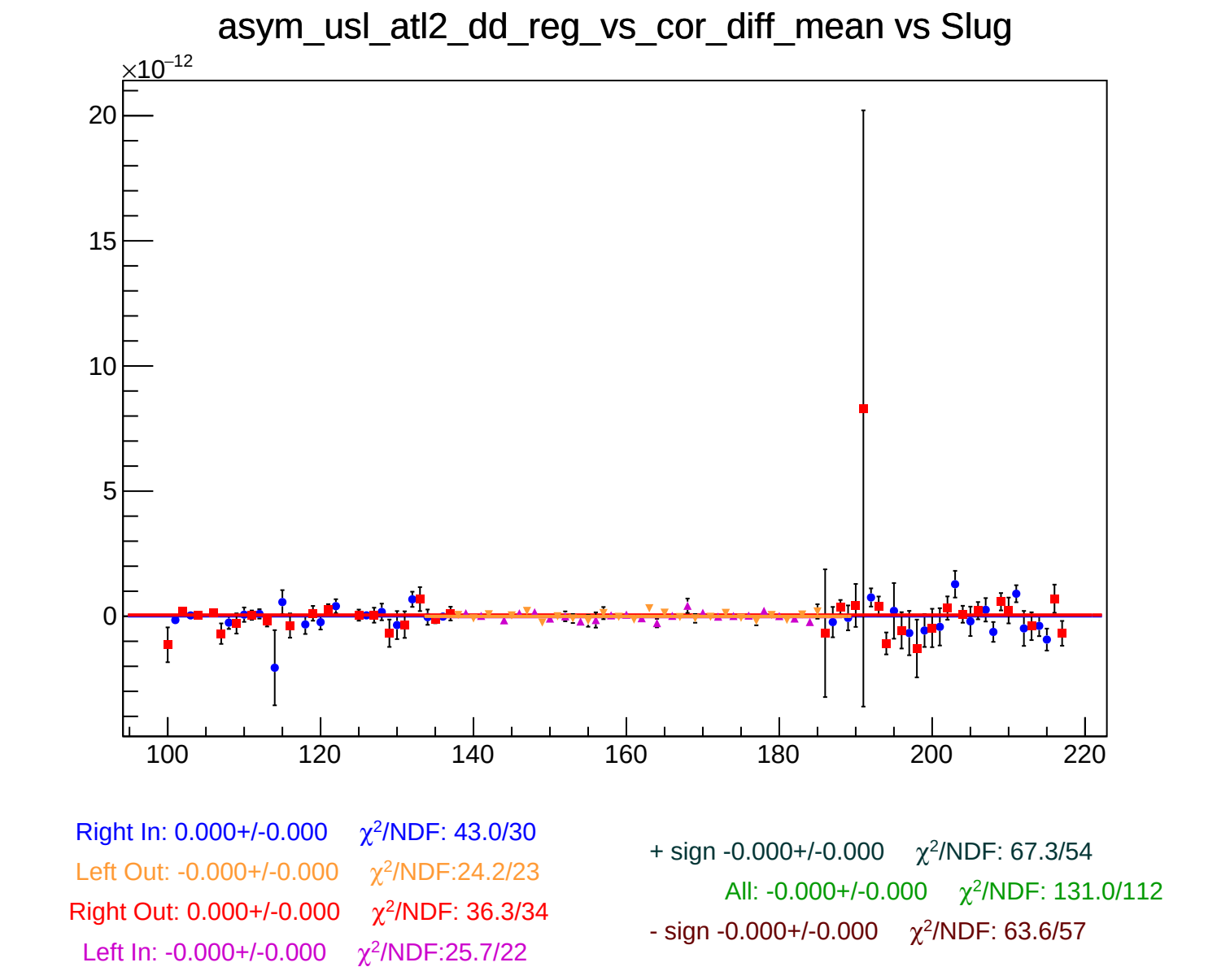
Right Out: 3175.795+/-0.528 χ^2/NDF: 4399333.3/34

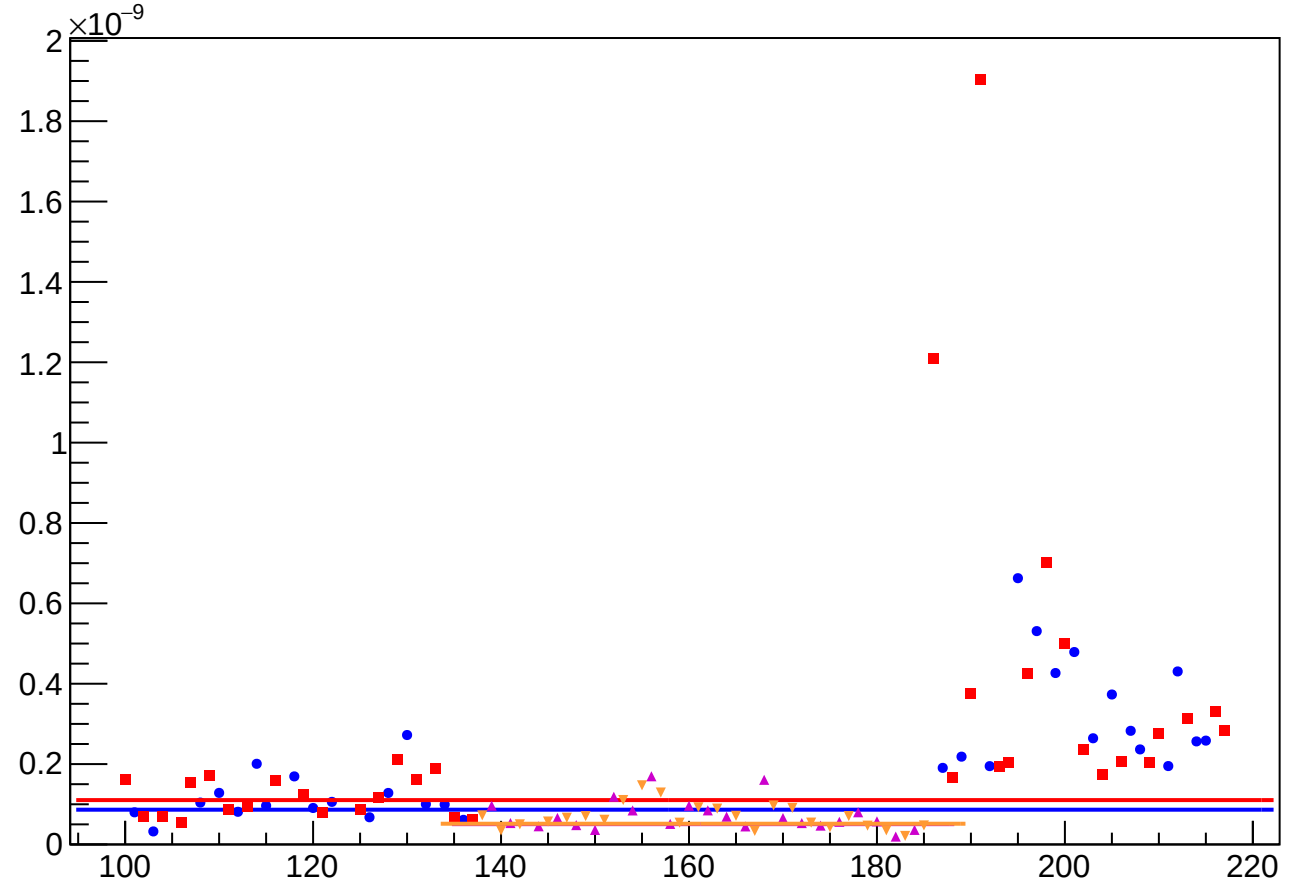
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

\+ sign 3679.653+/-0.438 χ^2/NDF: 4366909.1/54

All: 3593.973+/-0.303 χ^2/NDF: 11119369.7/1

\- sign 3515.365+/-0.419 χ^2/NDF: 6678942.4/57


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.0/30
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 36.3/34
Left In: -0.000+/-0.000 χ²/NDF:25.7/22
+ sign -0.000+/-0.000 χ²/NDF: 67.3/54
All: -0.000+/-0.000 χ²/NDF: 131.0/112
- sign -0.000+/-0.000 χ²/NDF: 63.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 6874238.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5036893.1/34

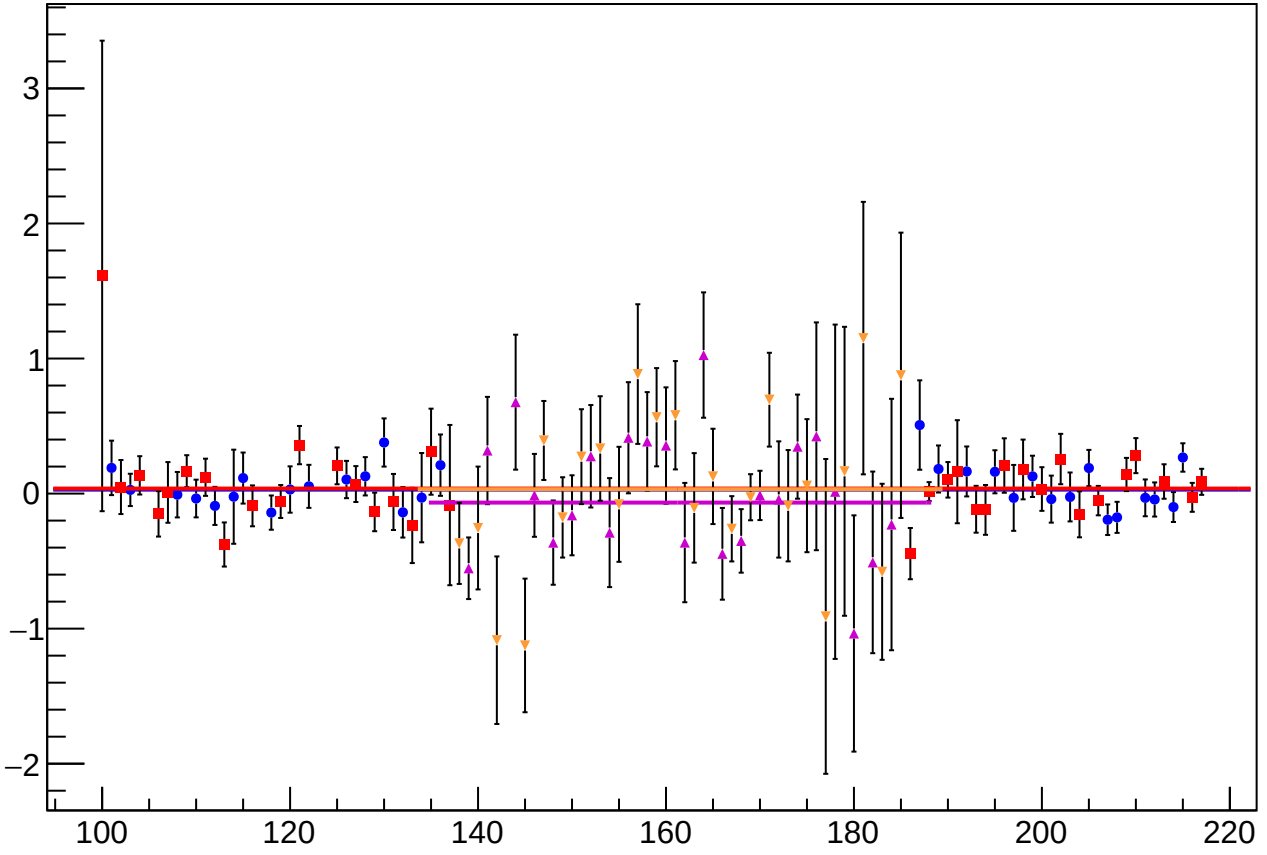
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10234169.8/54

All: 0.000+/-0.000 χ^2/NDF: 20240599.6/112

- sign 0.000+/-0.000 χ^2/NDF: 10001129.7/57

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

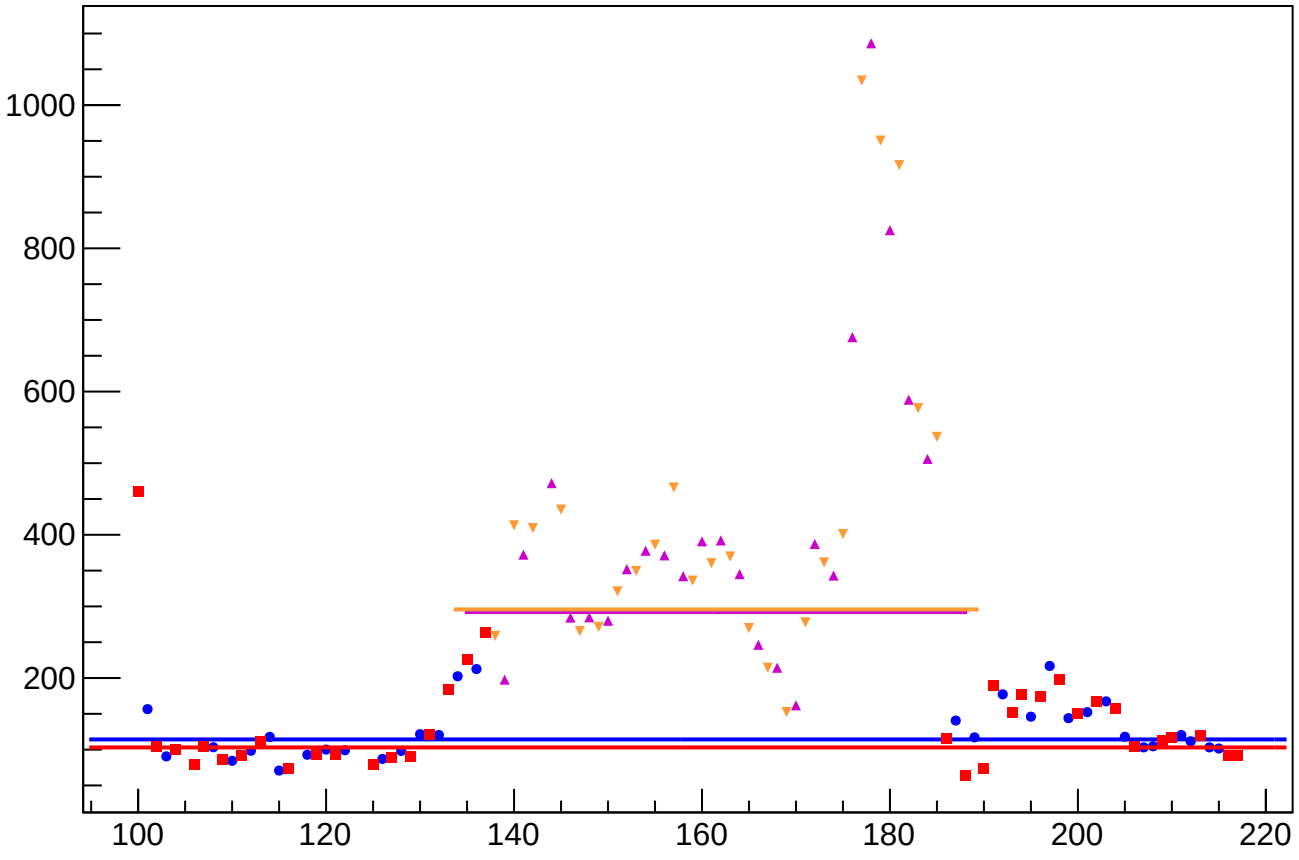
Right Out: 0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.030+/-0.026 χ^2/NDF: 59.8/54

All: 0.028+/-0.017 χ^2/NDF: 127.2/112

- sign 0.027+/-0.023 χ^2/NDF: 67.4/57



Right In: 114.249+/-0.019 χ^2/NDF: 2221614.1/30

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

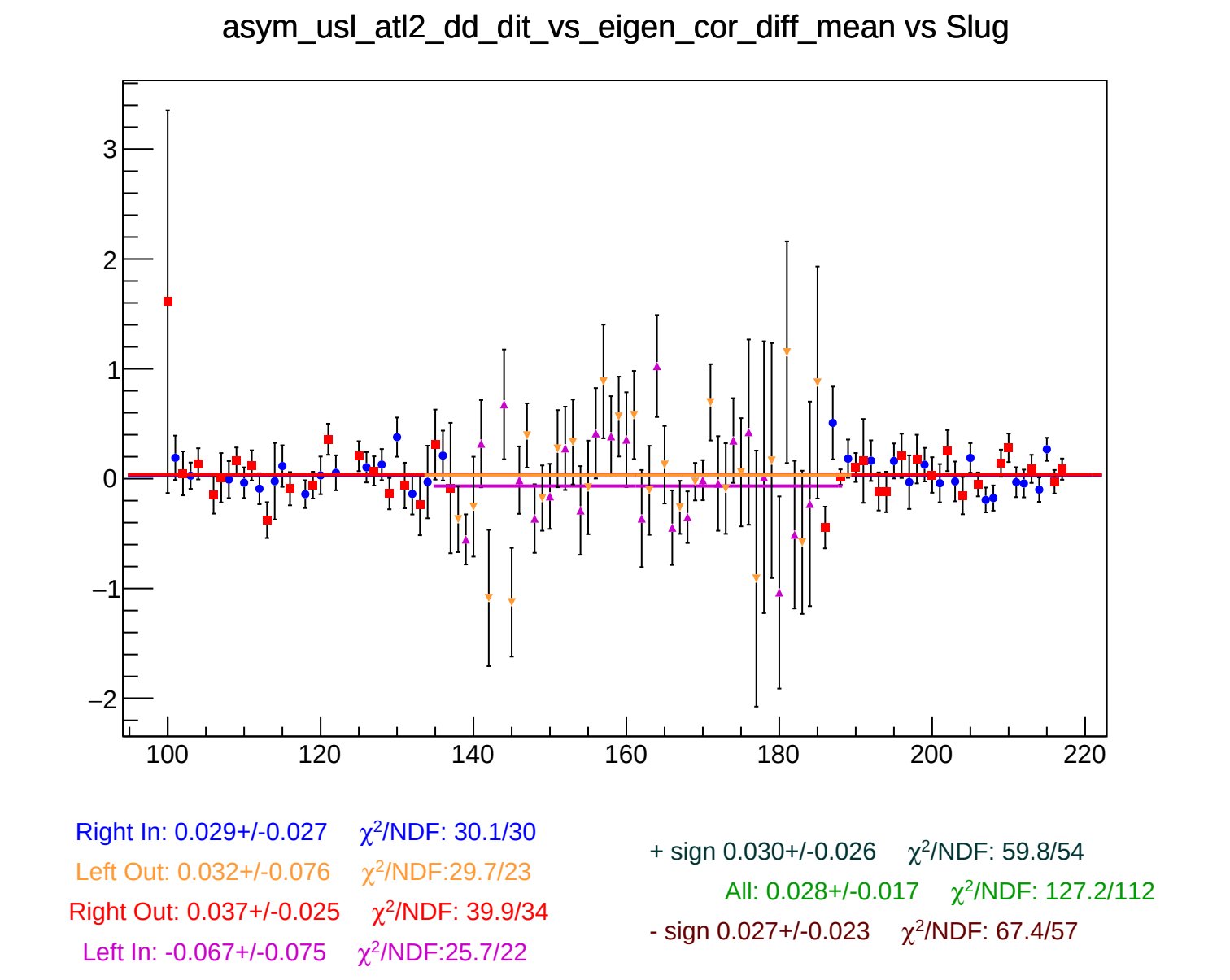
Right Out: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

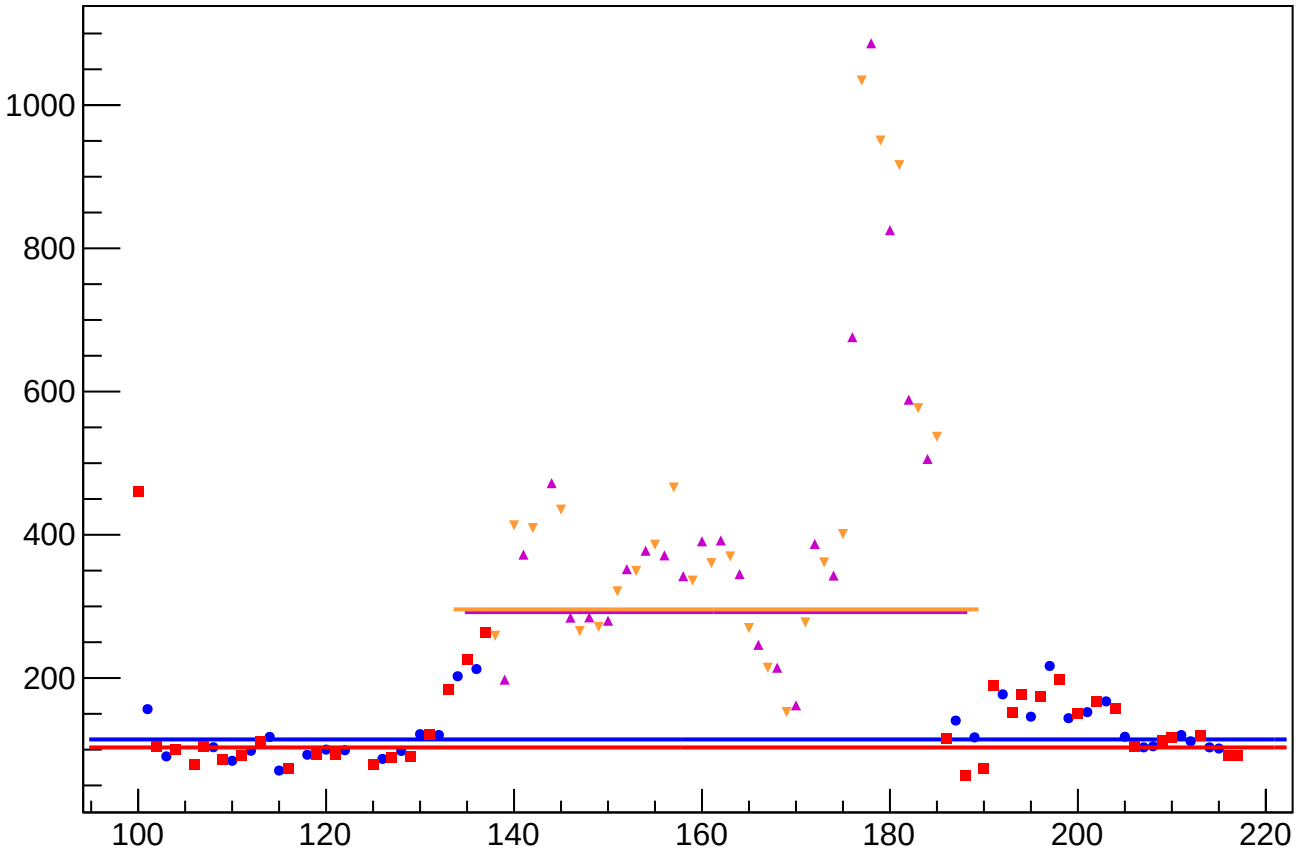
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 135.220+/-0.018 χ^2/NDF: 17815785.6/54

All: 127.829+/-0.012 χ^2/NDF: 38397265.4/11

- sign 121.723+/-0.017 χ^2/NDF: 20282451.6/57


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.029+/-0.027 χ²/NDF: 30.1/30
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.037+/-0.025 χ²/NDF: 39.9/34
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.030+/-0.026 χ²/NDF: 59.8/54
All: 0.028+/-0.017 χ²/NDF: 127.2/112
- sign 0.027+/-0.023 χ²/NDF: 67.4/57



Right In: 114.249+/-0.019 χ^2/NDF: 2221614.1/30

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

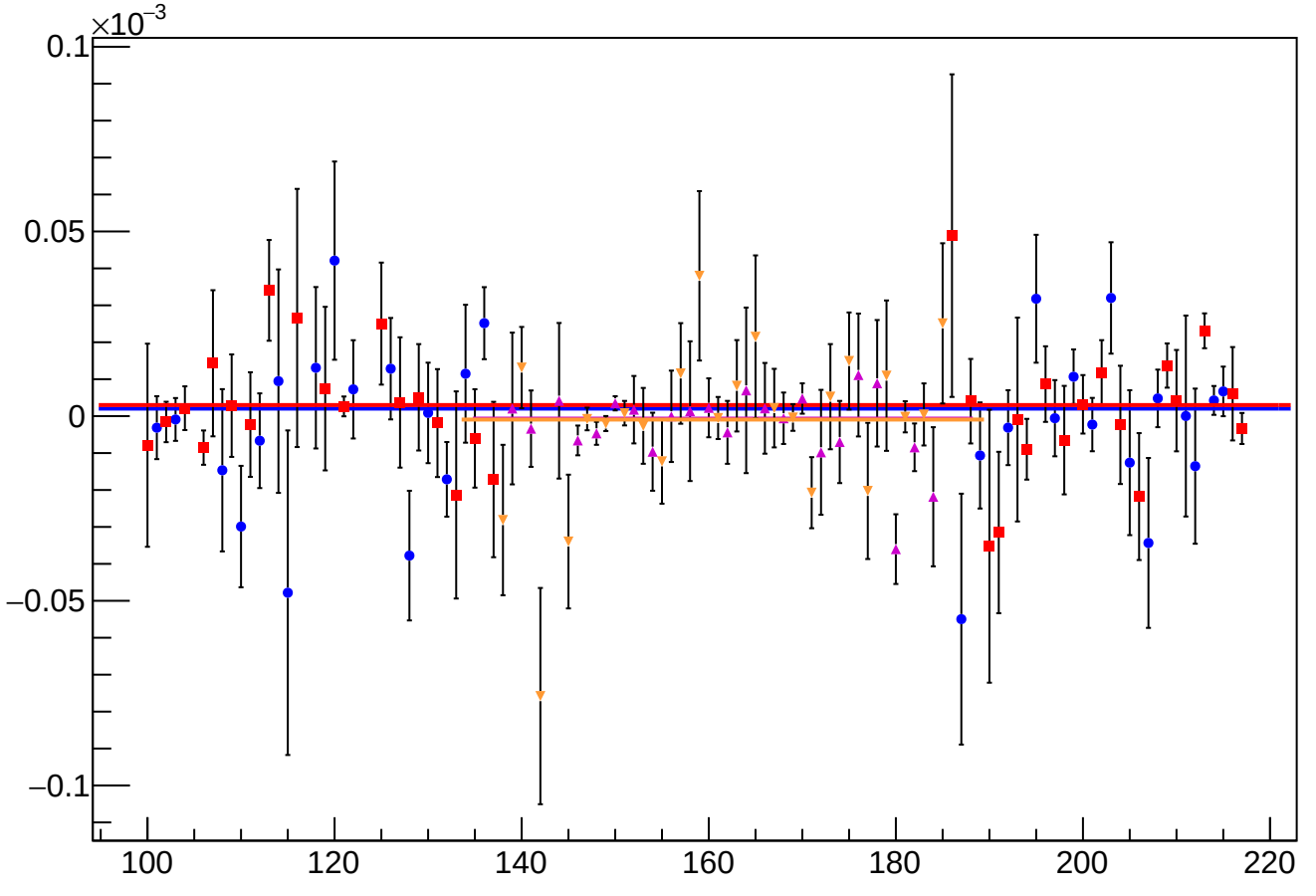
Right Out: 103.060+/-0.017 χ^2/NDF: 3689131.9/34

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 135.220+/-0.018 χ^2/NDF: 17815785.6/54

All: 127.829+/-0.012 χ^2/NDF: 38397265.4/11

- sign 121.723+/-0.017 χ^2/NDF: 20282451.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 41.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

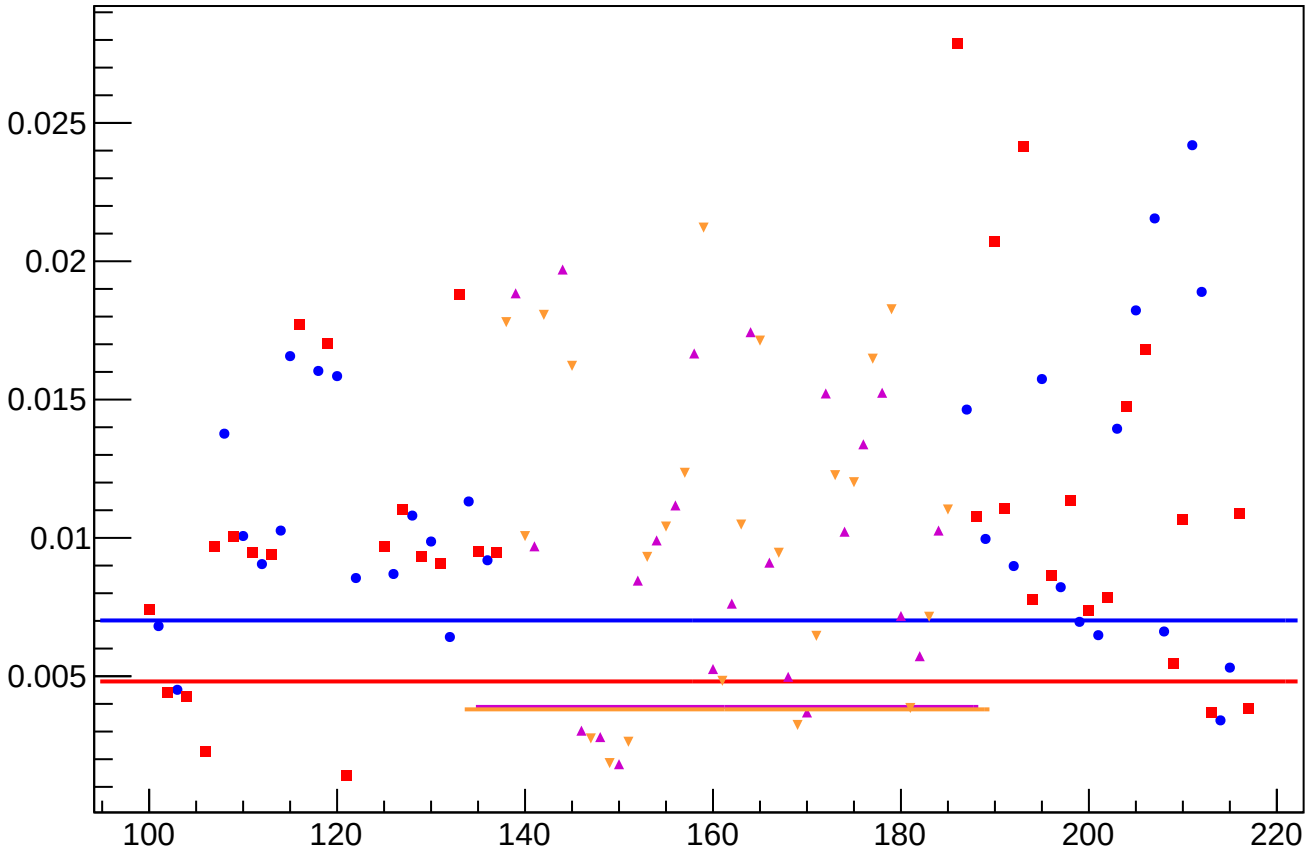
Right Out: 0.000+/-0.000 χ^2/NDF: 51.7/34

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.6/54

All: 0.000+/-0.000 χ^2/NDF: 158.5/112

- sign 0.000+/-0.000 χ^2/NDF: 85.3/57



Right In: 0.007+/-0.000 χ^2/NDF: 7769555.4/30

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14051841.7/34

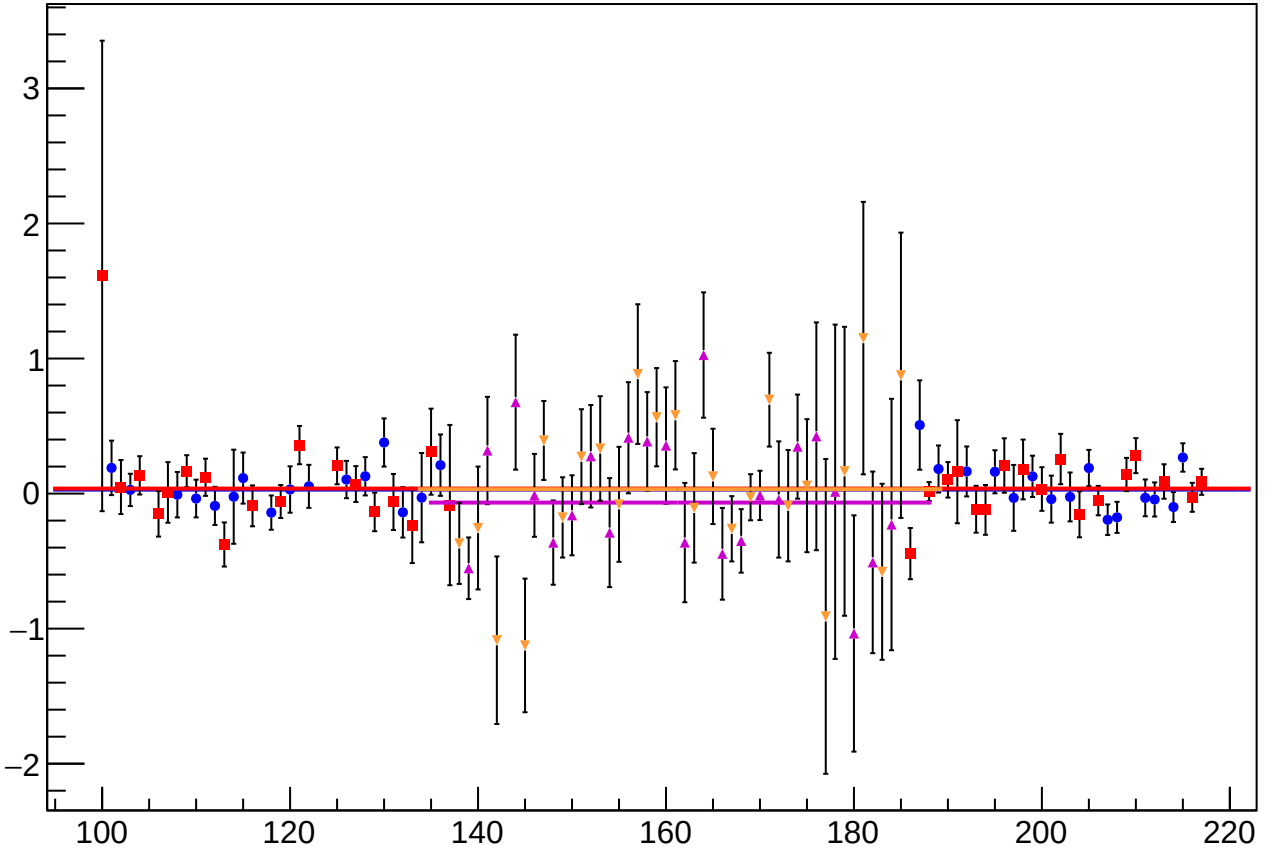
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 26590211.2/54

All: 0.004+/-0.000 χ^2/NDF: 54856786.3/112

- sign 0.004+/-0.000 χ^2/NDF: 28063381.9/57

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.027 χ^2/NDF: 30.1/30

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

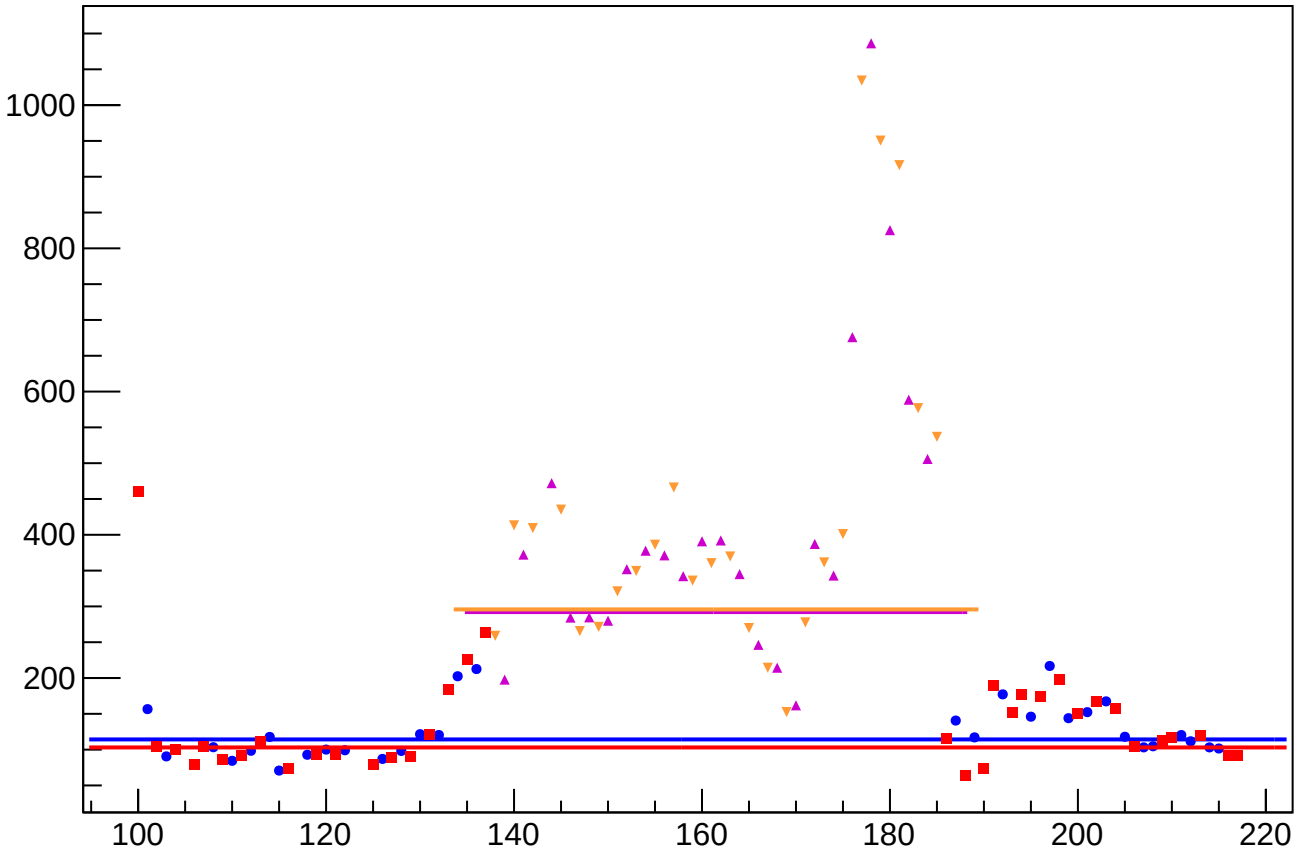
Right Out: 0.037+/-0.025 χ^2/NDF: 39.9/34

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.030+/-0.026 χ^2/NDF: 59.8/54

All: 0.028+/-0.017 χ^2/NDF: 127.2/112

- sign 0.027+/-0.023 χ^2/NDF: 67.4/57



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

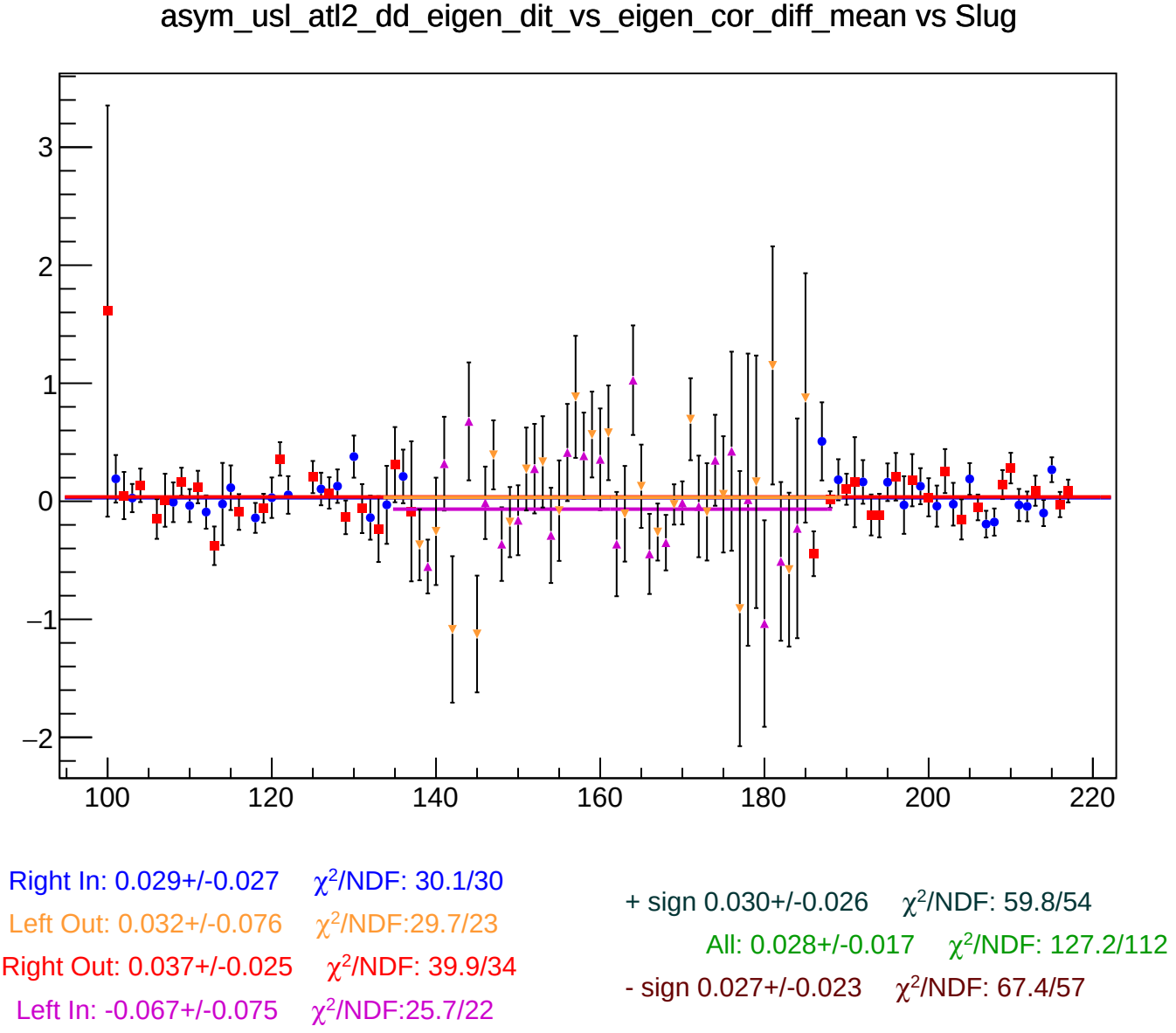
Right Out: 103.059+/-0.017 χ^2/NDF: 3689305.5/34

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 135.221+/-0.018 χ^2/NDF: 17815861.1/54

All: 127.828+/-0.012 χ^2/NDF: 38397894.3/11

- sign 121.722+/-0.017 χ^2/NDF: 20282929.2/57


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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100
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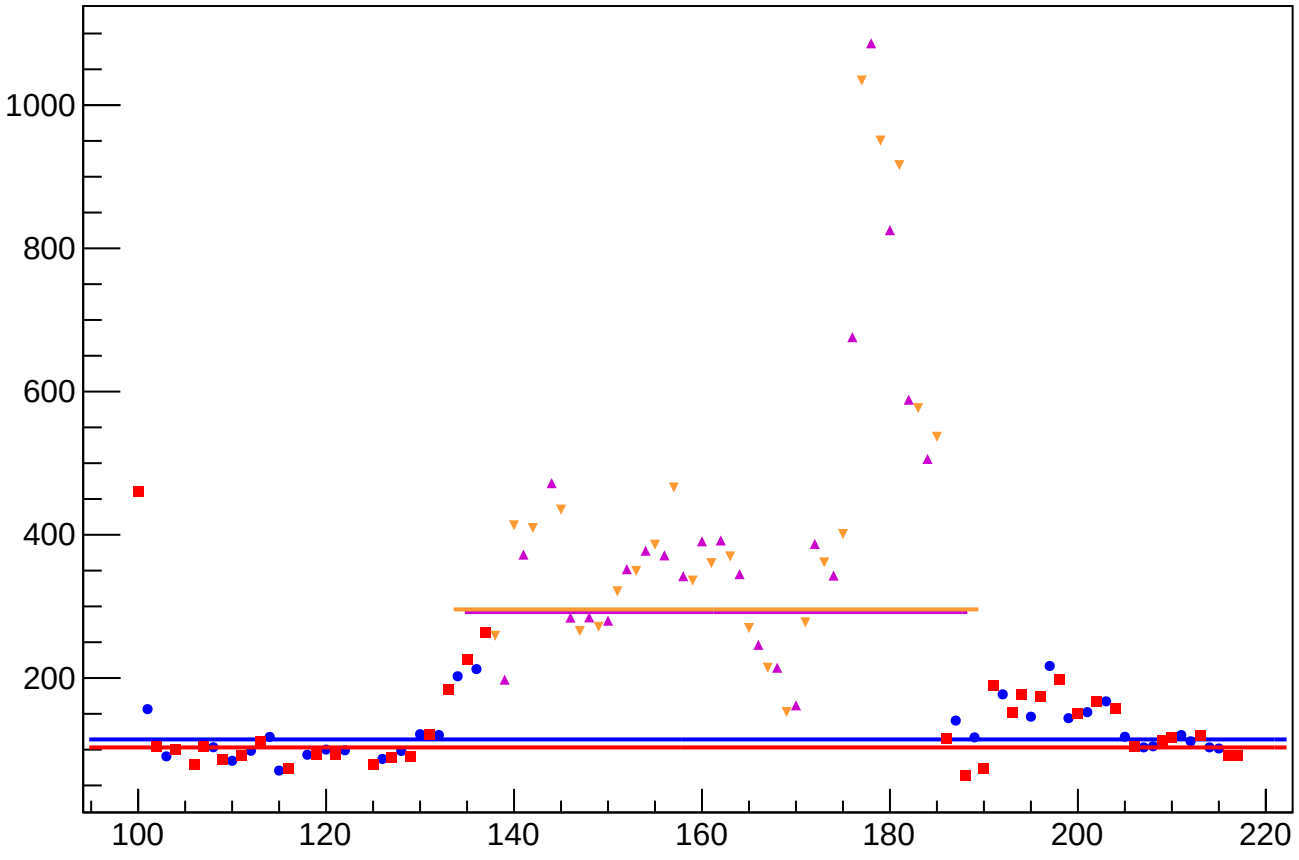
200
220
Right In: 0.029+/-0.027 χ²/NDF: 30.1/30
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.037+/-0.025 χ²/NDF: 39.9/34
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.030+/-0.026 χ²/NDF: 59.8/54
All: 0.028+/-0.017 χ²/NDF: 127.2/112
- sign 0.027+/-0.023 χ²/NDF: 67.4/57



Right In: 114.250+/-0.019 χ^2/NDF: 2221589.8/30

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

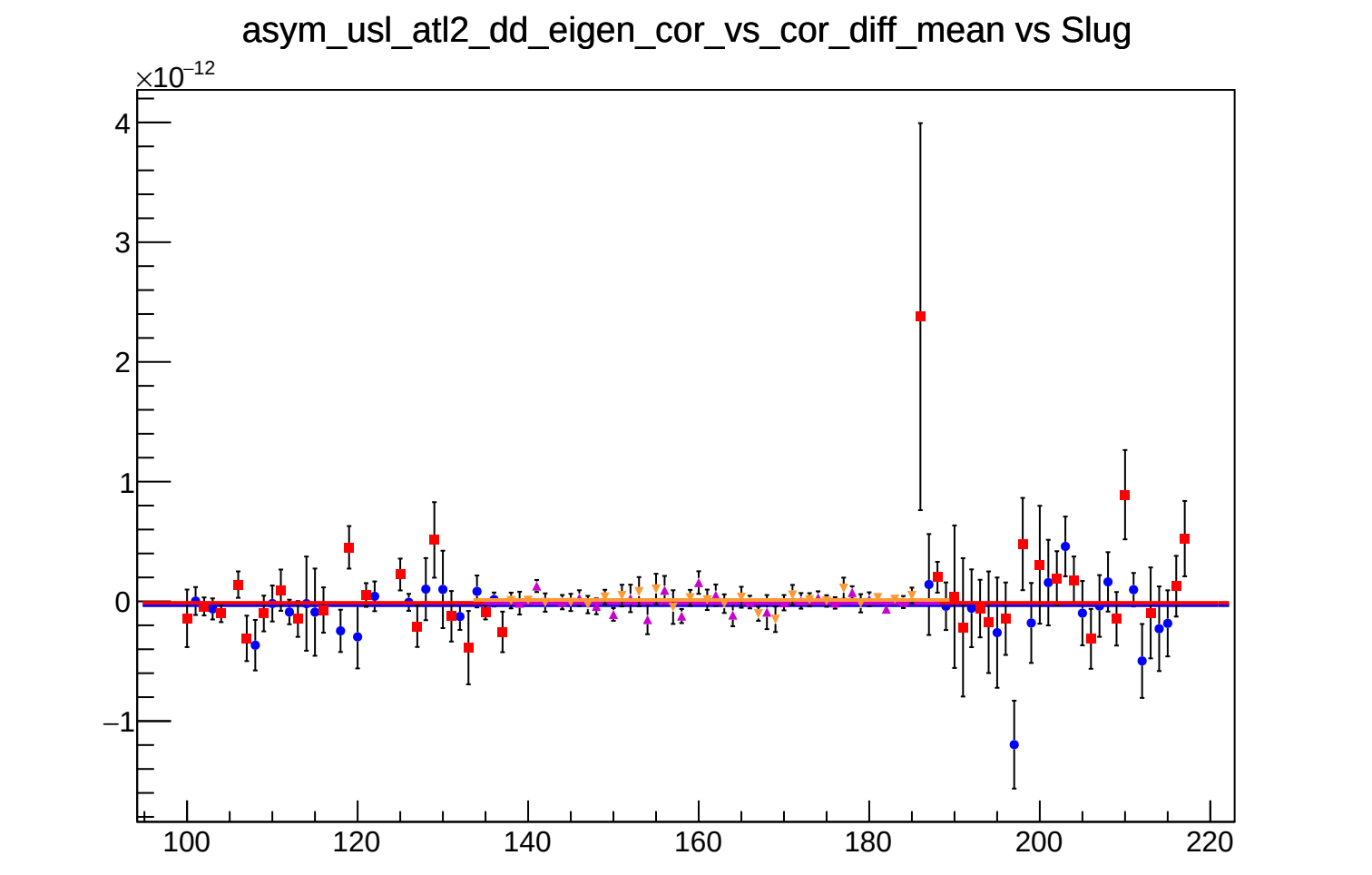
Right Out: 103.059+/-0.017 χ^2/NDF: 3689305.5/34

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 135.221+/-0.018 χ^2/NDF: 17815861.1/54

All: 127.828+/-0.012 χ^2/NDF: 38397894.3/11

- sign 121.722+/-0.017 χ^2/NDF: 20282929.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

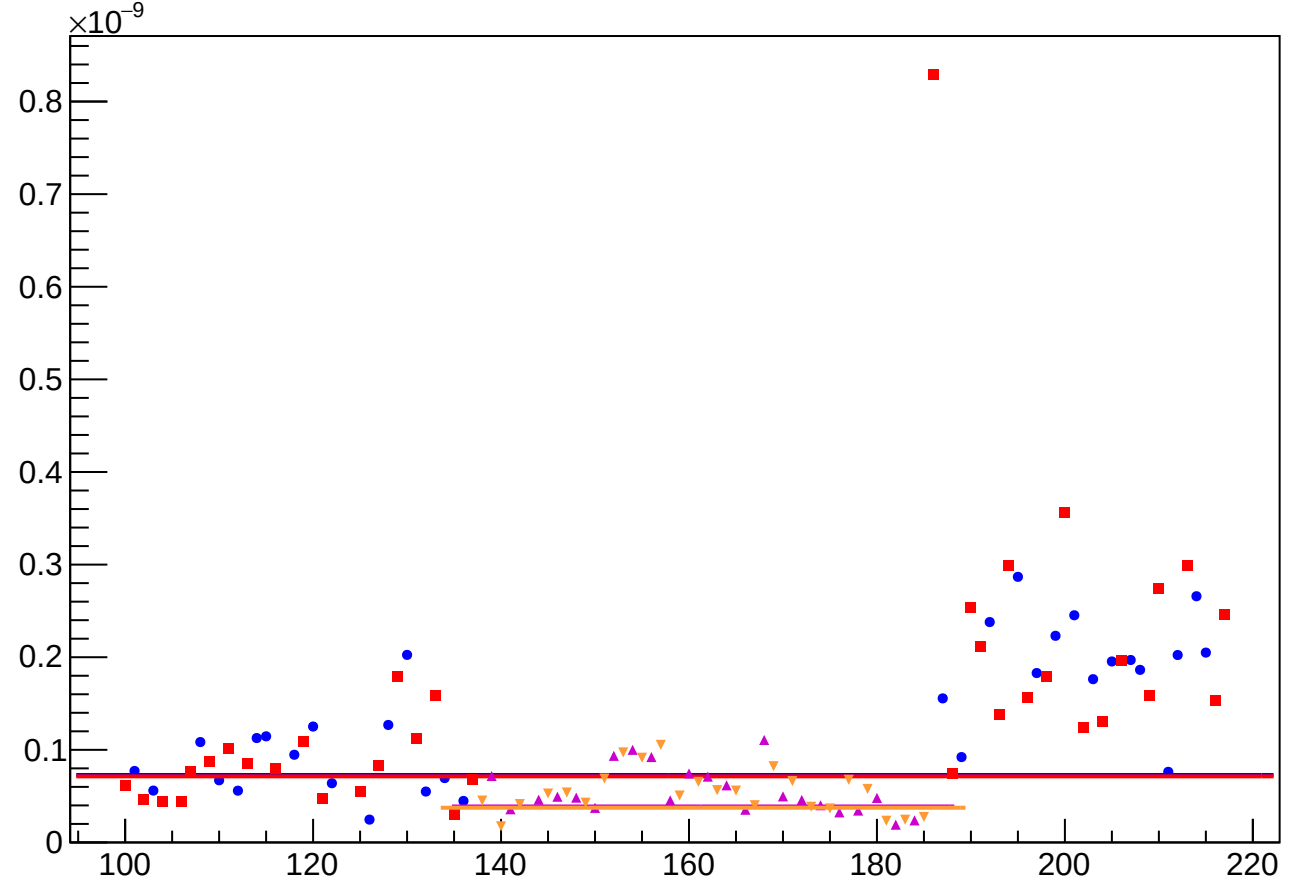
Right Out: -0.000+/-0.000 χ^2/NDF: 48.0/34

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/54

All: -0.000+/-0.000 χ^2/NDF: 121.0/112

- sign -0.000+/-0.000 χ^2/NDF: 78.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 7354367.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8064695.4/34

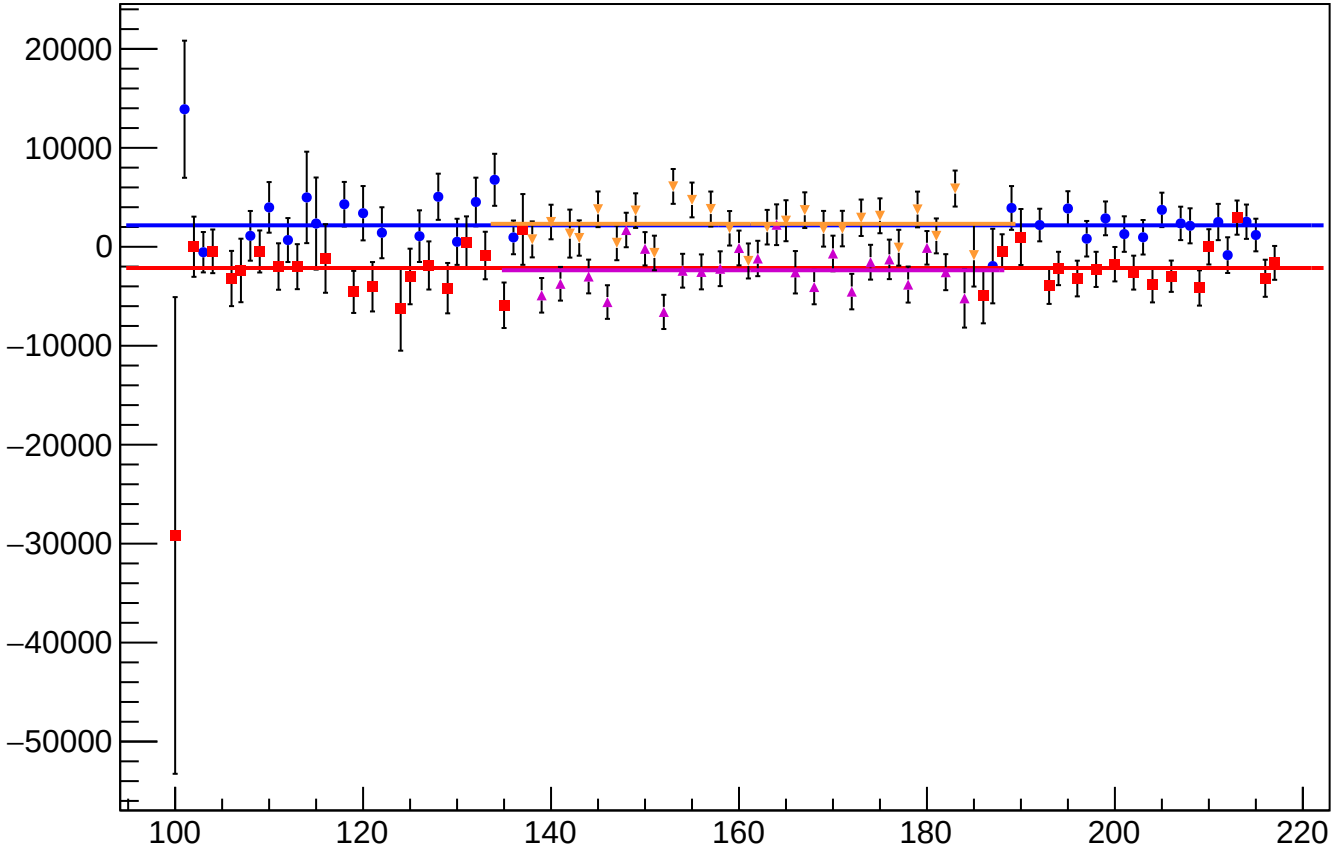
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15182914.6/54

All: 0.000+/-0.000 χ^2/NDF: 30356885.7/112

- sign 0.000+/-0.000 χ^2/NDF: 15160636.6/57

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2169.244+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2143.261+/-364.349 χ^2/NDF: 29.5/34

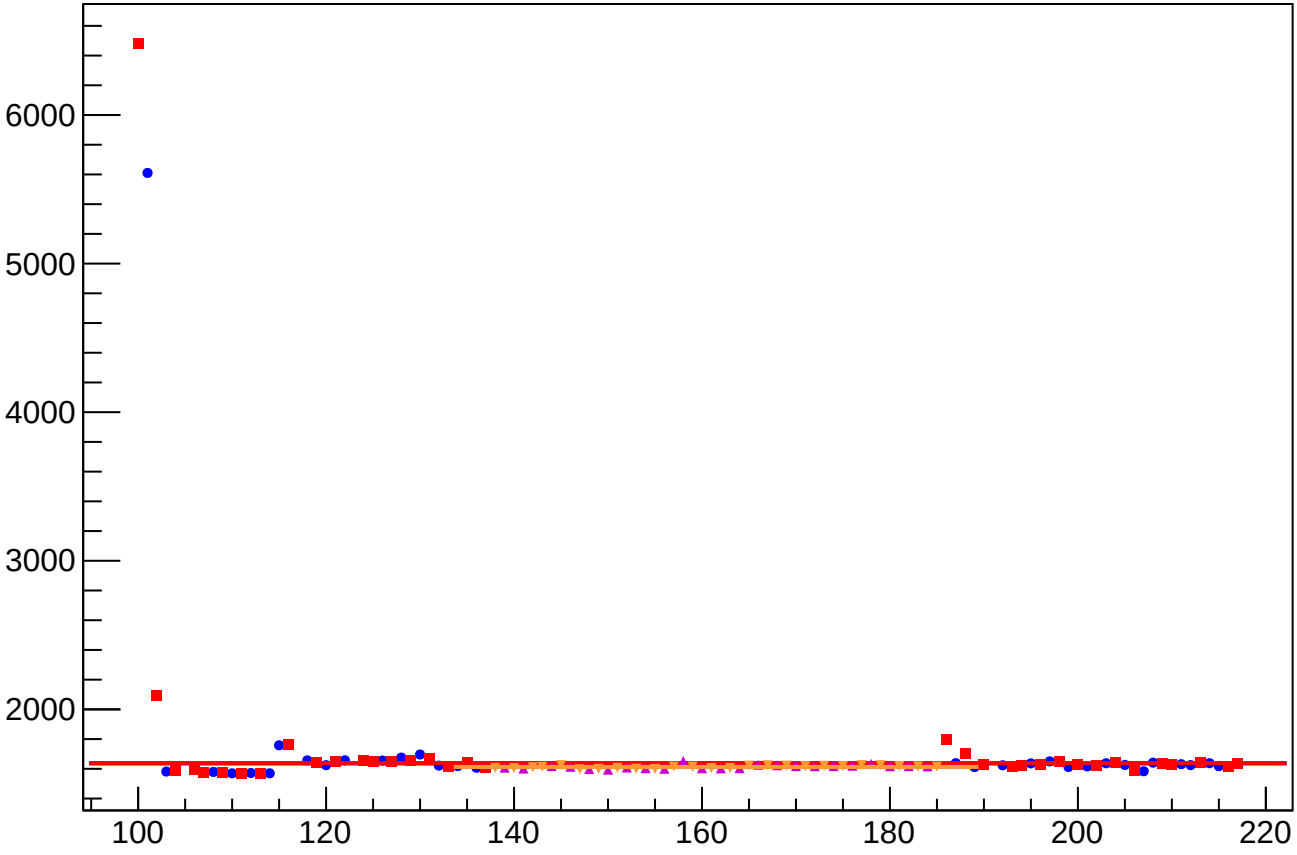
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2247.082+/-262.280 χ^2/NDF: 49.9/55

All: -6.080+/-185.334 χ^2/NDF: 260.7/113

- sign -2253.127+/-261.924 χ^2/NDF: 63.4/57

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.7/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1638.539+/-0.258 χ^2/NDF: 149178.5/34

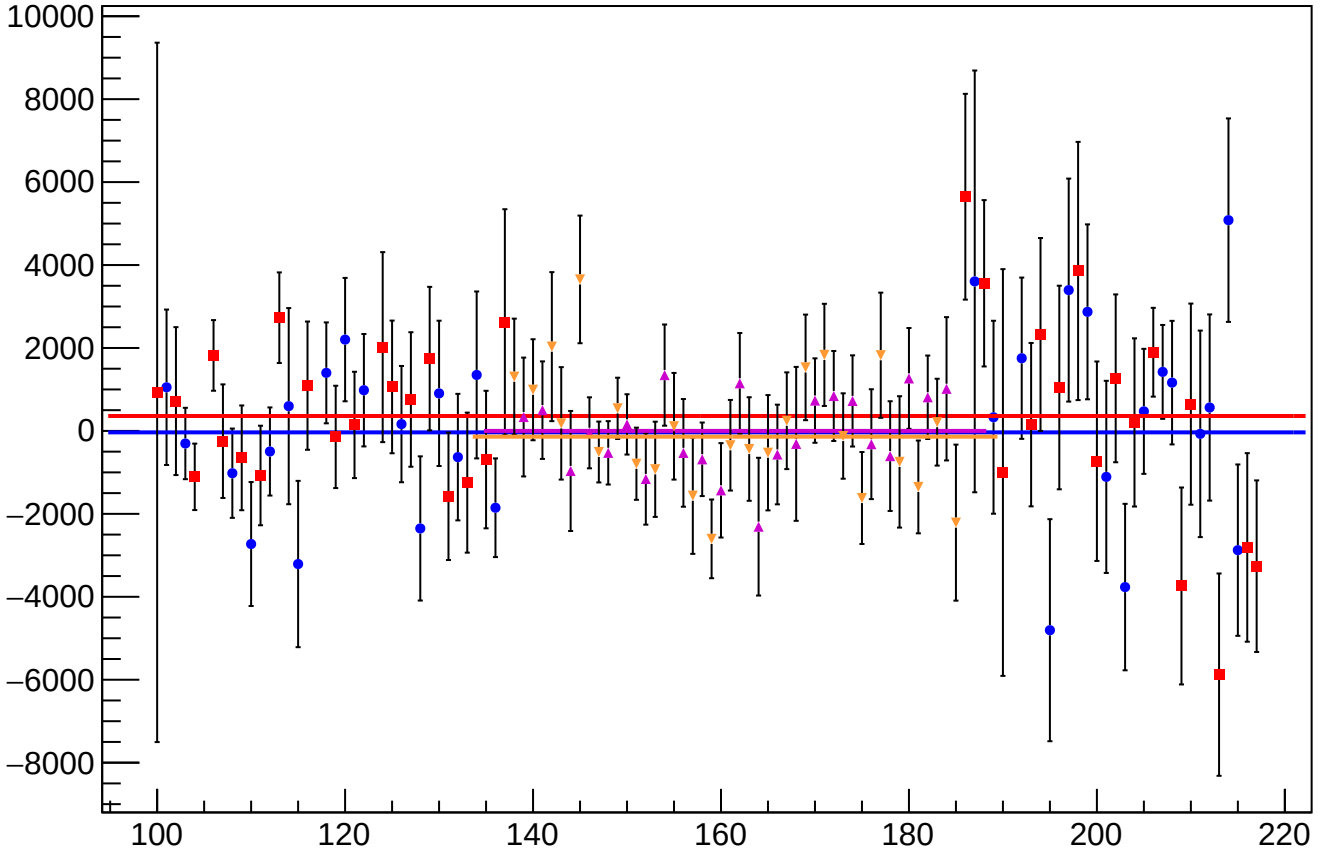
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.192+/-0.185 χ^2/NDF: 677091.5/55

All: 1625.389+/-0.131 χ^2/NDF: 833165.6/113

- sign 1626.582+/-0.185 χ^2/NDF: 155991.1/57

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -35.019+/-284.734 χ^2/NDF: 37.0/30

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 359.824+/-268.721 χ^2/NDF: 45.0/34

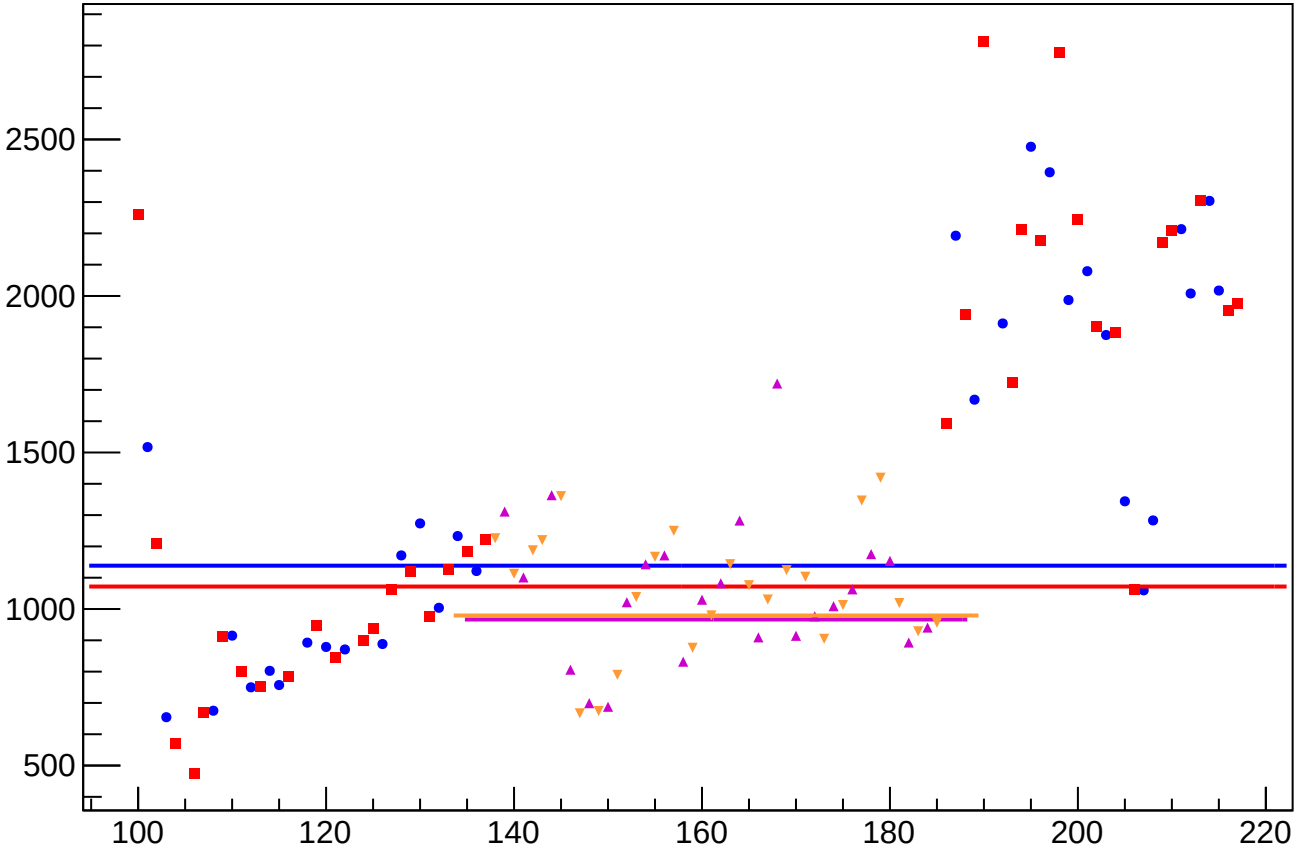
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -98.145+/-178.507 χ^2/NDF: 67.3/55

All: 29.841+/-125.171 χ^2/NDF: 127.1/113

- sign 153.644+/-175.566 χ^2/NDF: 58.9/57

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1138.441+/-0.201 χ^2/NDF: 5744997.8/30

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1071.854+/-0.190 χ^2/NDF: 8116437.0/34

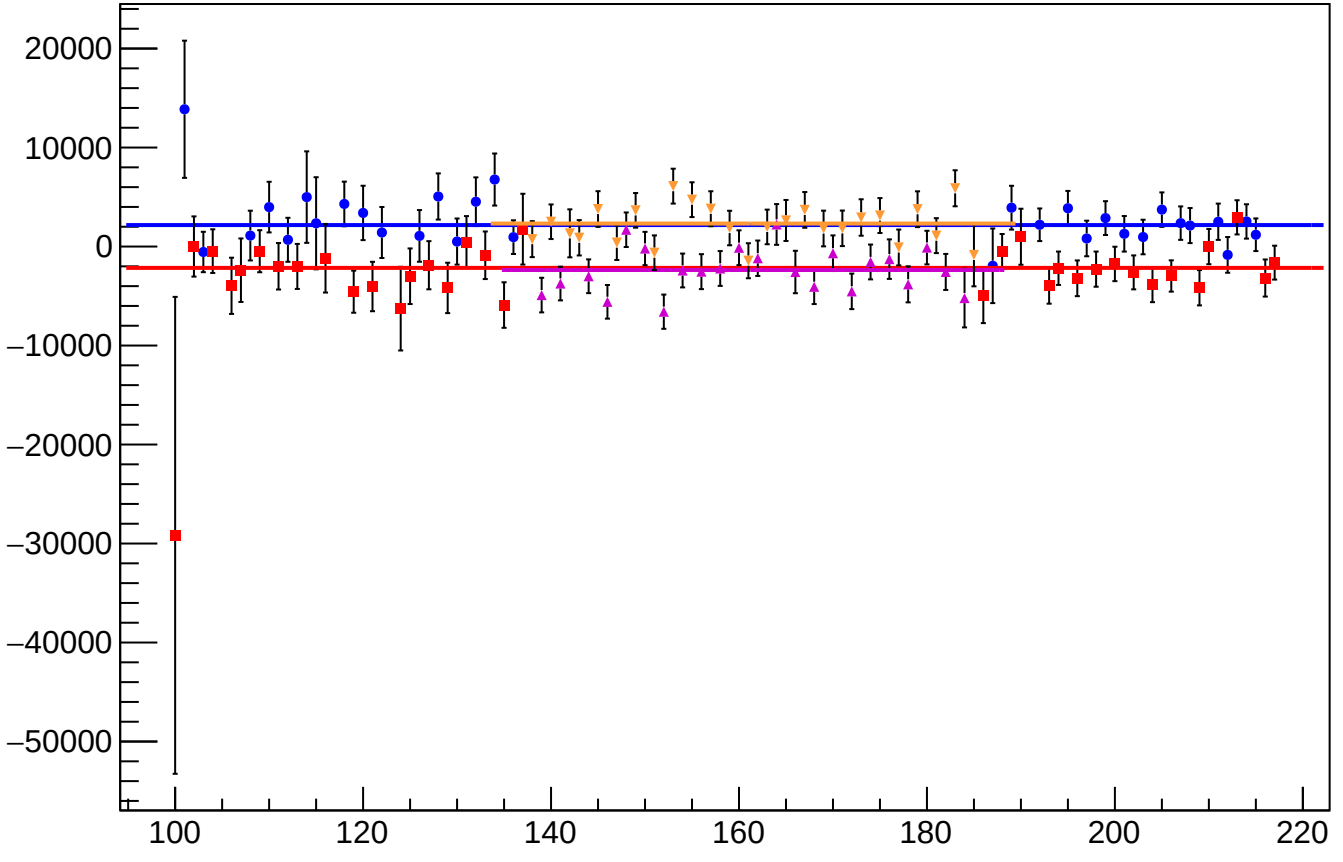
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1041.845+/-0.126 χ^2/NDF: 7754854.0/55

All: 1026.413+/-0.089 χ^2/NDF: 17679401.3/1

- sign 1011.485+/-0.124 χ^2/NDF: 9895141.6/57

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2169.019+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2155.323+/-364.456 χ^2/NDF: 29.8/34

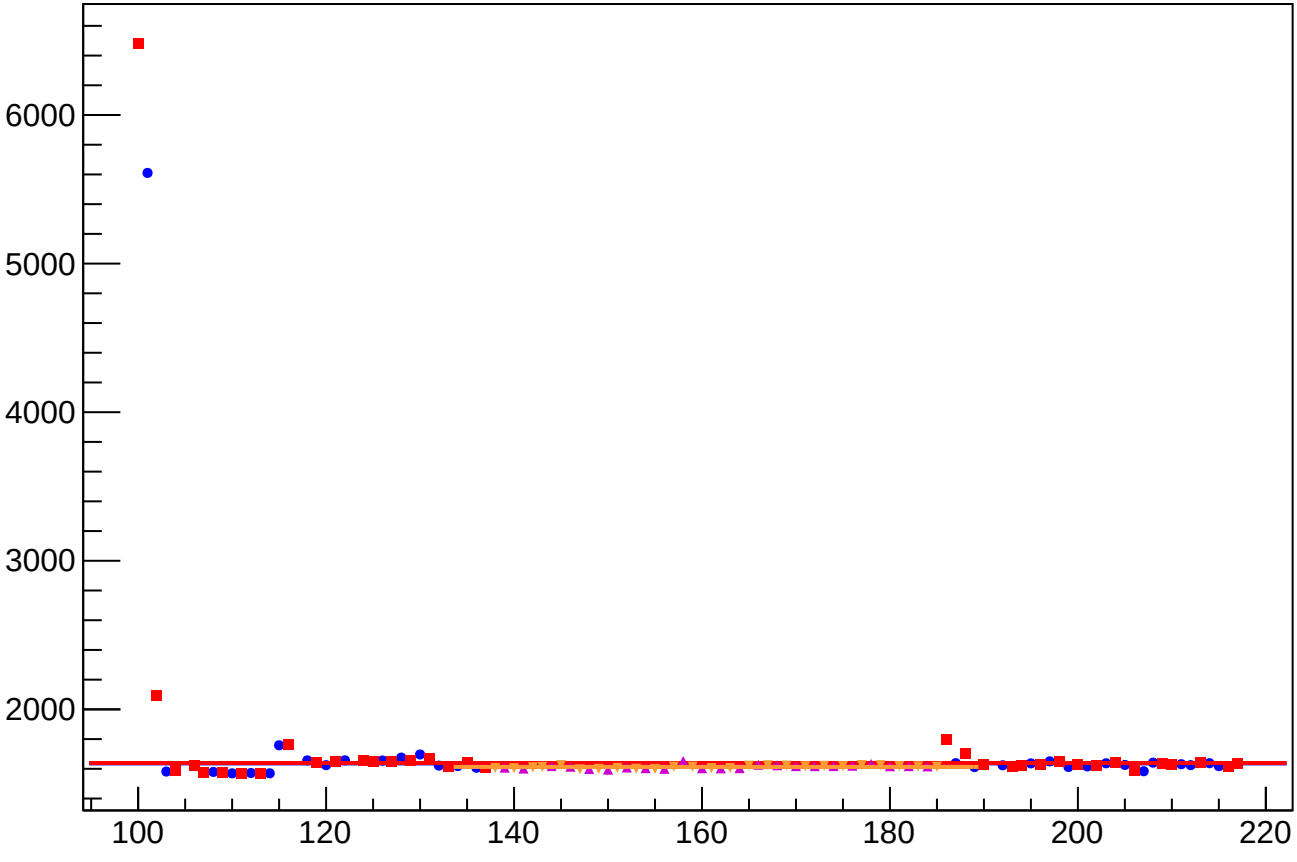
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2246.951+/-262.280 χ^2/NDF: 49.9/55

All: -8.958+/-185.348 χ^2/NDF: 261.3/113

- sign -2259.426+/-261.964 χ^2/NDF: 63.7/57

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.3/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

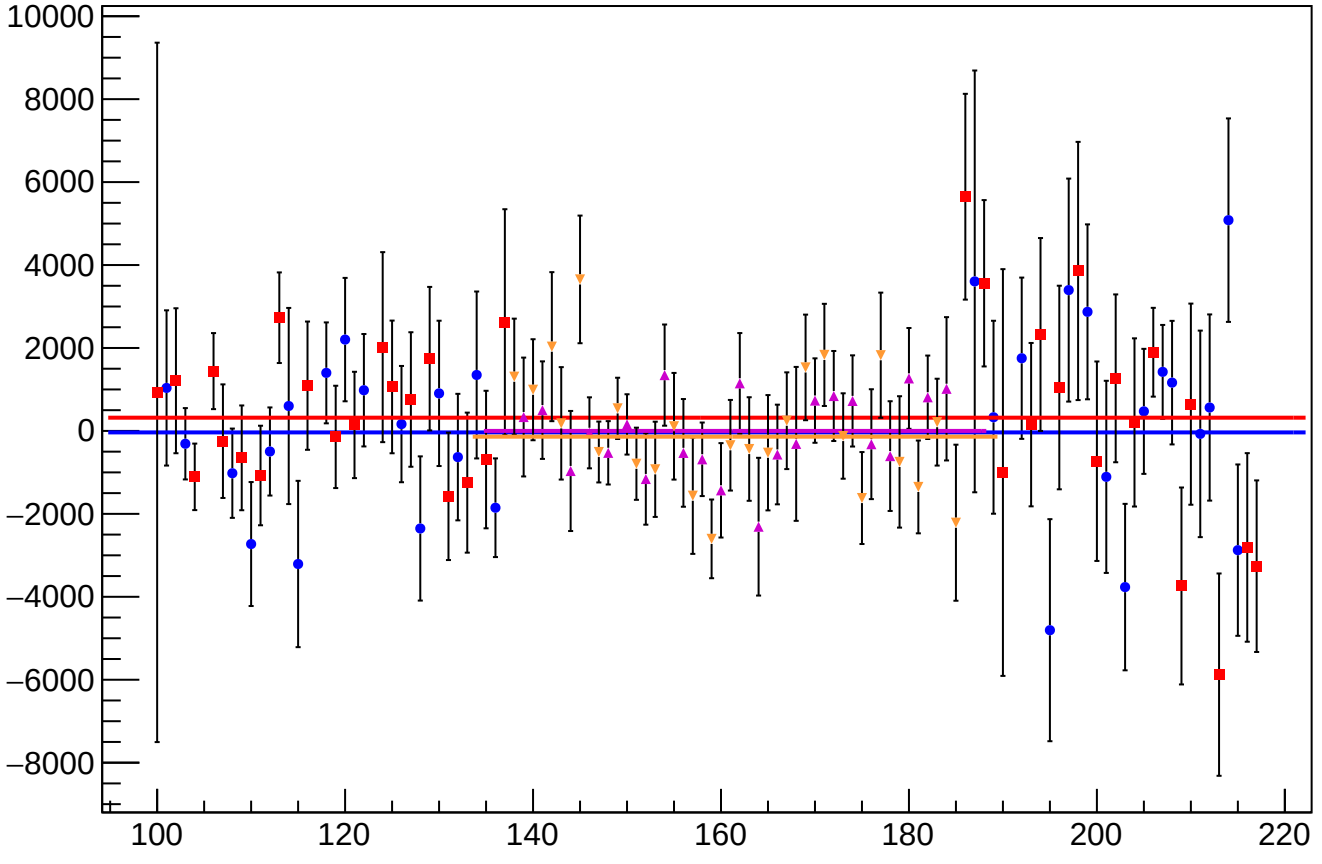
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.192+/-0.185 χ^2/NDF: 677091.0/55

All: 1625.506+/-0.131 χ^2/NDF: 832908.8/113

- sign 1626.817+/-0.185 χ^2/NDF: 155717.5/57

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -35.971+/-284.708 χ^2/NDF: 37.0/30

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 319.107+/-270.470 χ^2/NDF: 43.6/34

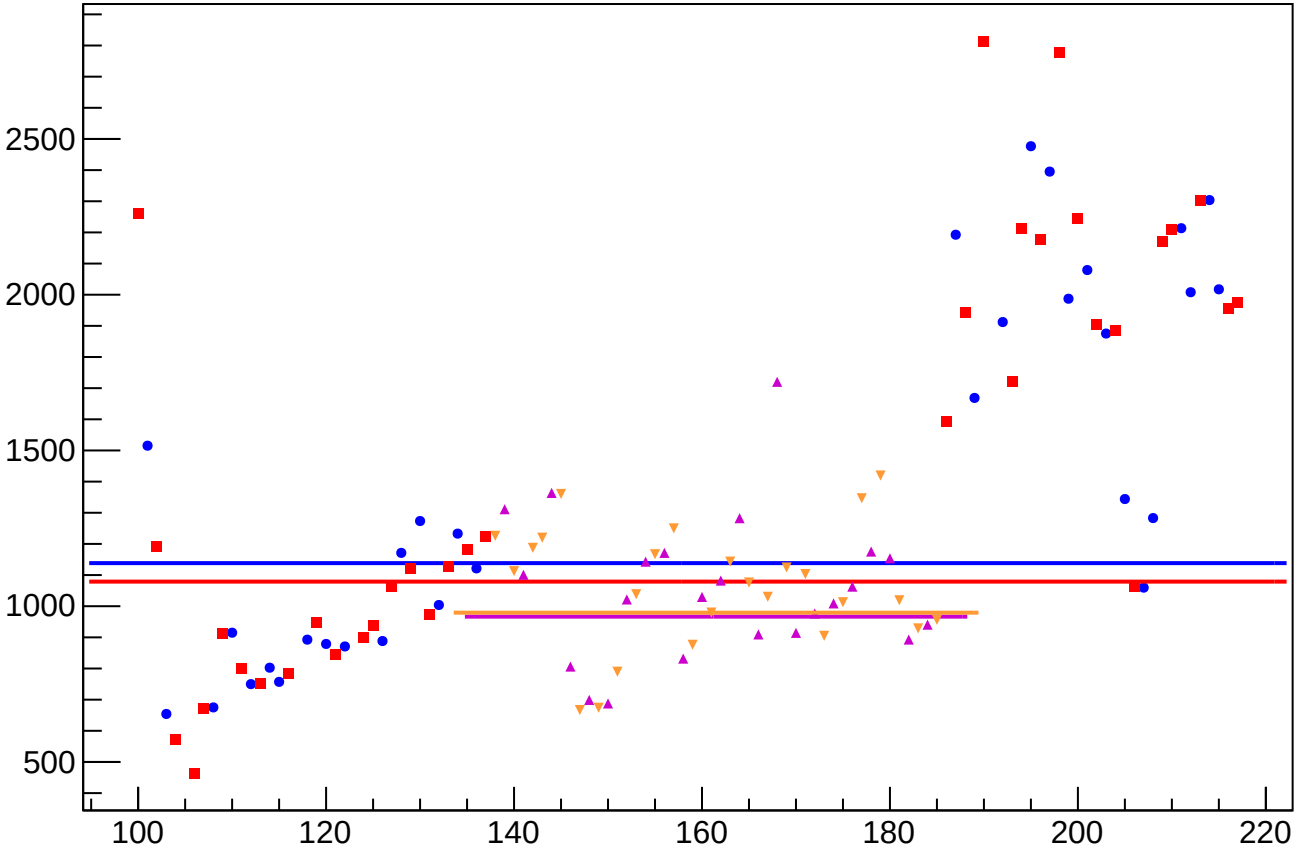
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -98.546+/-178.500 χ^2/NDF: 67.3/55

All: 19.961+/-125.344 χ^2/NDF: 125.4/113

- sign 135.239+/-176.051 χ^2/NDF: 57.3/57

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1138.327+/-0.201 χ^2/NDF: 5745894.1/30

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

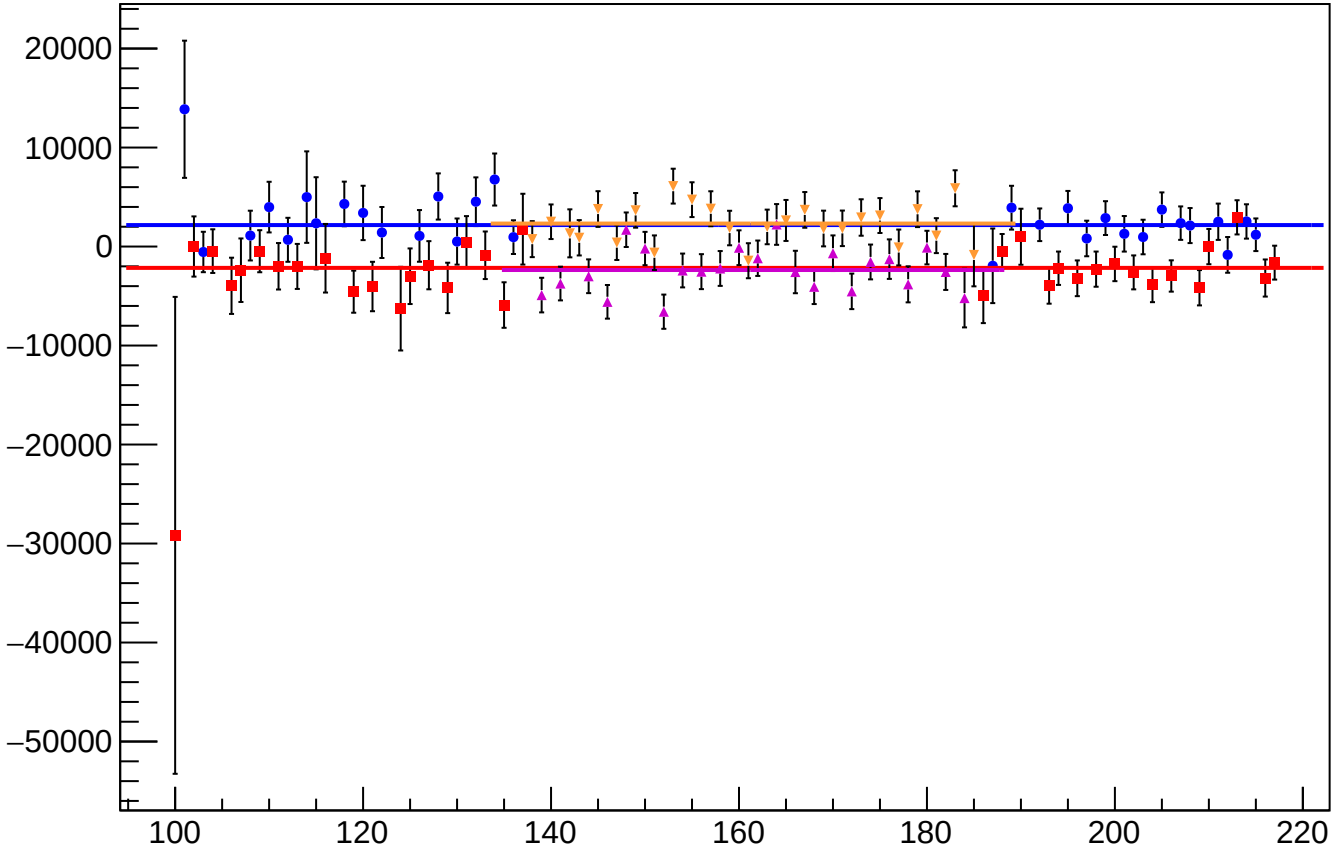
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1041.803+/-0.126 χ^2/NDF: 7755387.7/55

All: 1027.792+/-0.089 χ^2/NDF: 17588660.6/1

- sign 1014.163+/-0.124 χ^2/NDF: 9808965.8/57

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2169.019+/-375.719 χ^2/NDF: 22.3/30

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2155.323+/-364.456 χ^2/NDF: 29.8/34

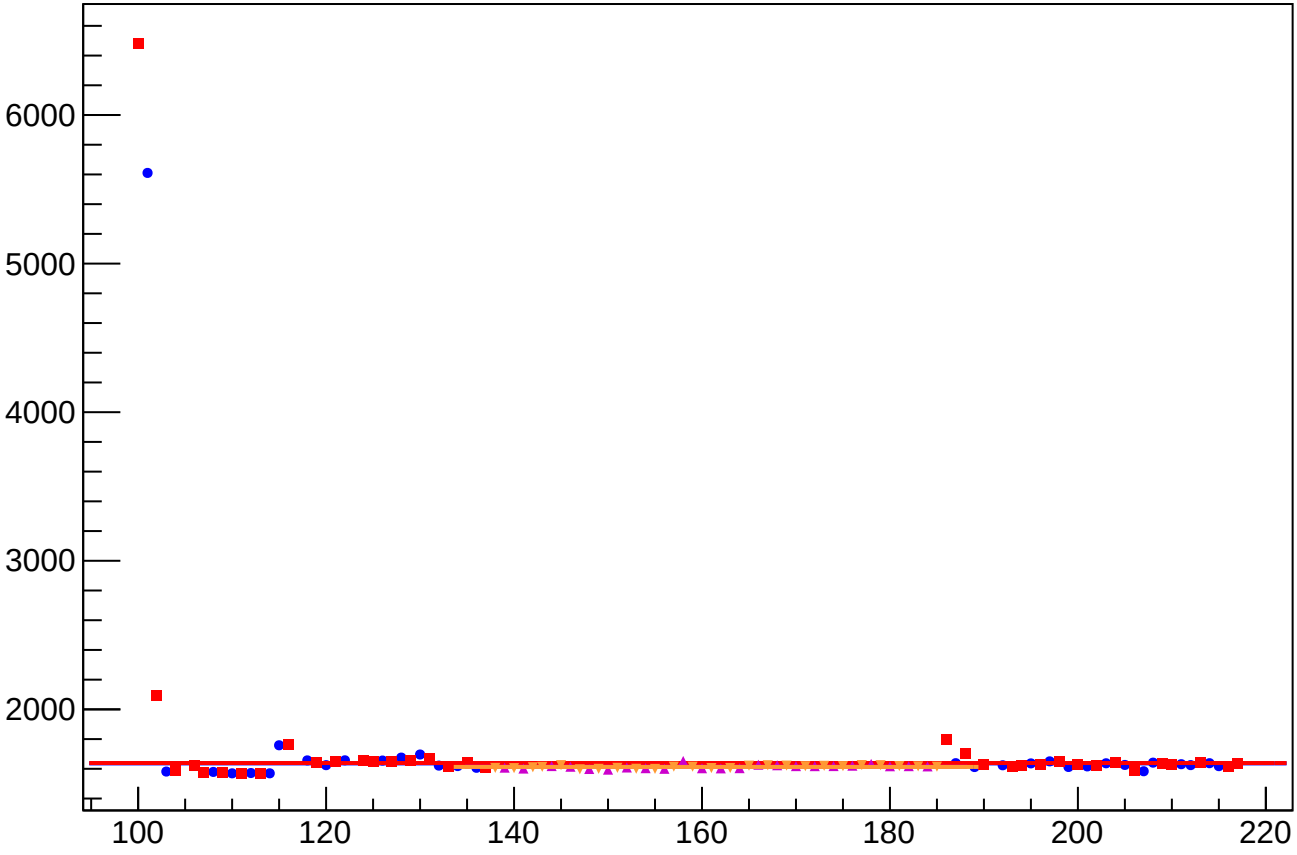
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2246.951+/-262.280 χ^2/NDF: 49.9/55

All: -8.958+/-185.348 χ^2/NDF: 261.3/113

- sign -2259.426+/-261.964 χ^2/NDF: 63.7/57

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1636.381+/-0.266 χ^2/NDF: 671813.3/30

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

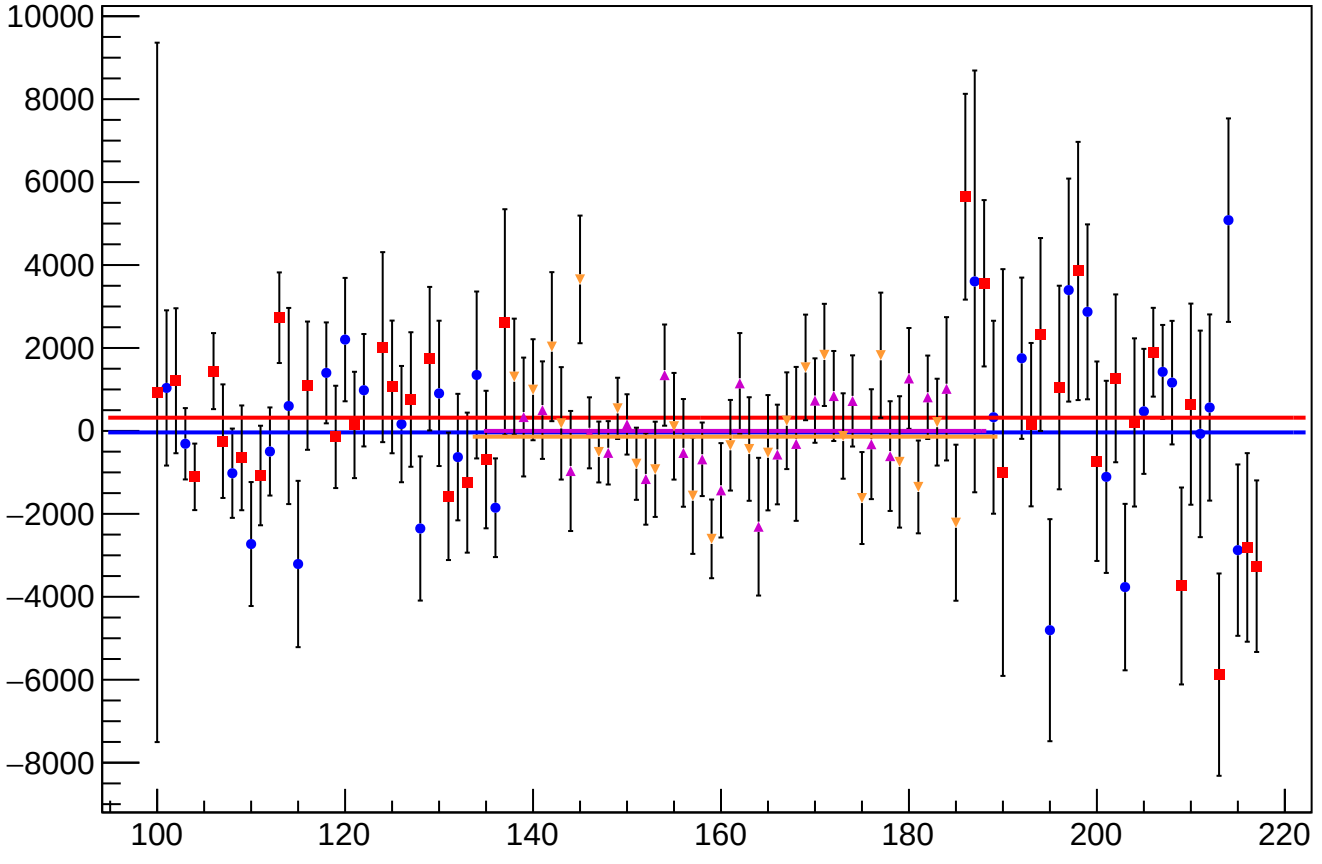
Right Out: 1639.002+/-0.258 χ^2/NDF: 148738.0/34

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.192+/-0.185 χ^2/NDF: 677091.0/55

All: 1625.506+/-0.131 χ^2/NDF: 832908.8/113

- sign 1626.817+/-0.185 χ^2/NDF: 155717.5/57



Right In: -35.971+/-284.708 χ^2/NDF: 37.0/30

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

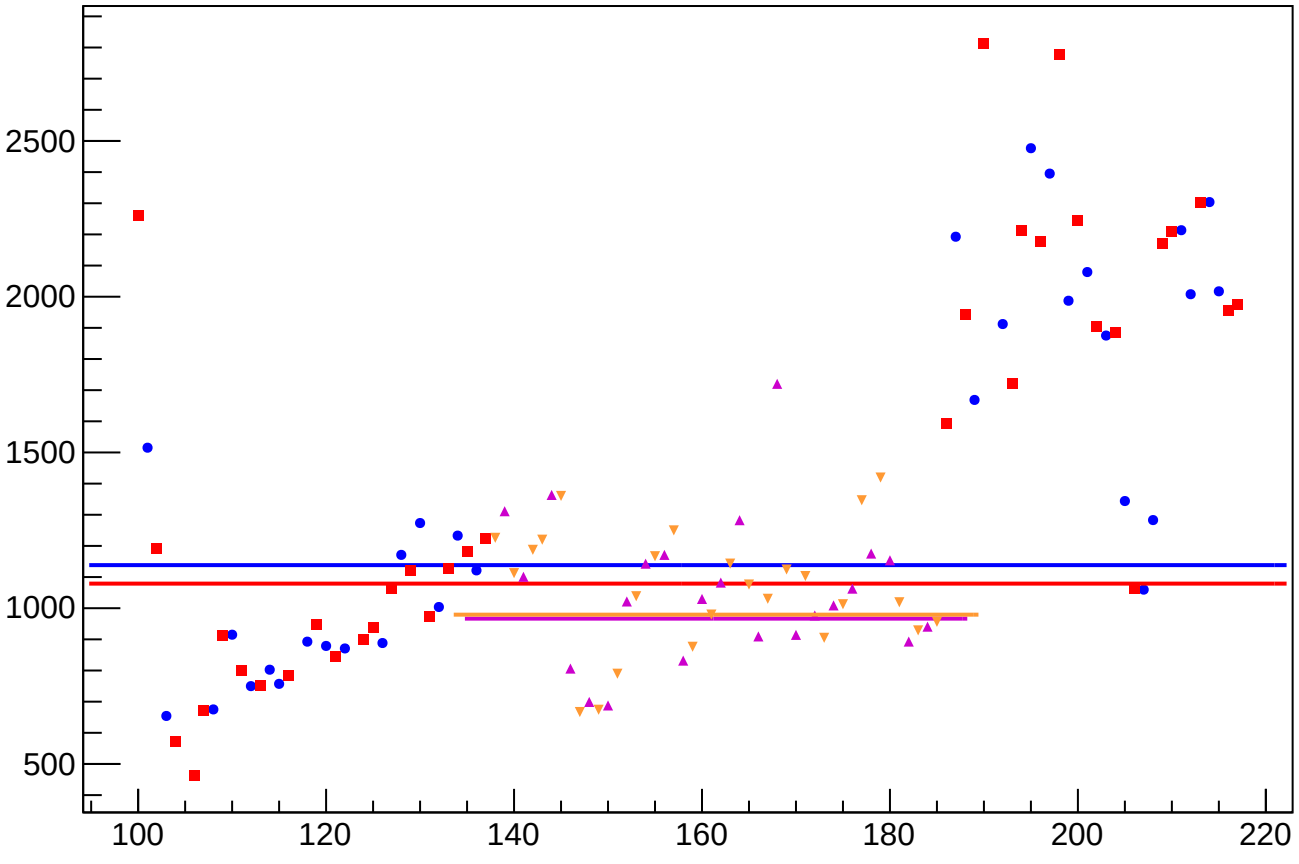
Right Out: 319.107+/-270.470 χ^2/NDF: 43.6/34

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -98.546+/-178.500 χ^2/NDF: 67.3/55

All: 19.961+/-125.344 χ^2/NDF: 125.4/113

- sign 135.239+/-176.051 χ^2/NDF: 57.3/57



Right In: 1138.327+/-0.201 χ^2/NDF: 5745894.1/30

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

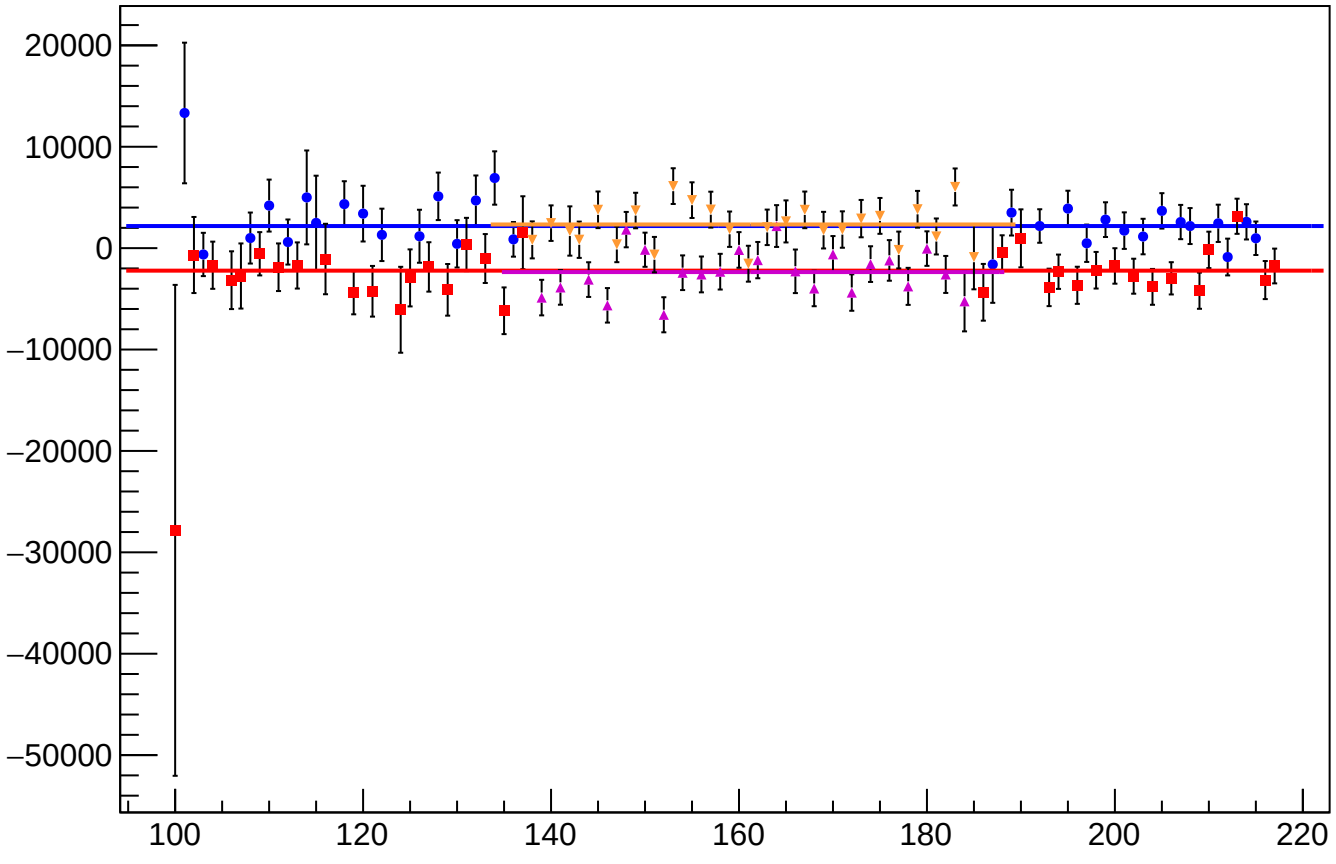
Right Out: 1078.955+/-0.191 χ^2/NDF: 8007258.1/34

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1041.803+/-0.126 χ^2/NDF: 7755387.7/55

All: 1027.792+/-0.089 χ^2/NDF: 17588660.6/1

- sign 1014.163+/-0.124 χ^2/NDF: 9808965.8/57



Right In: 2179.778+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2219.395+/-367.398 χ^2/NDF: 28.6/34

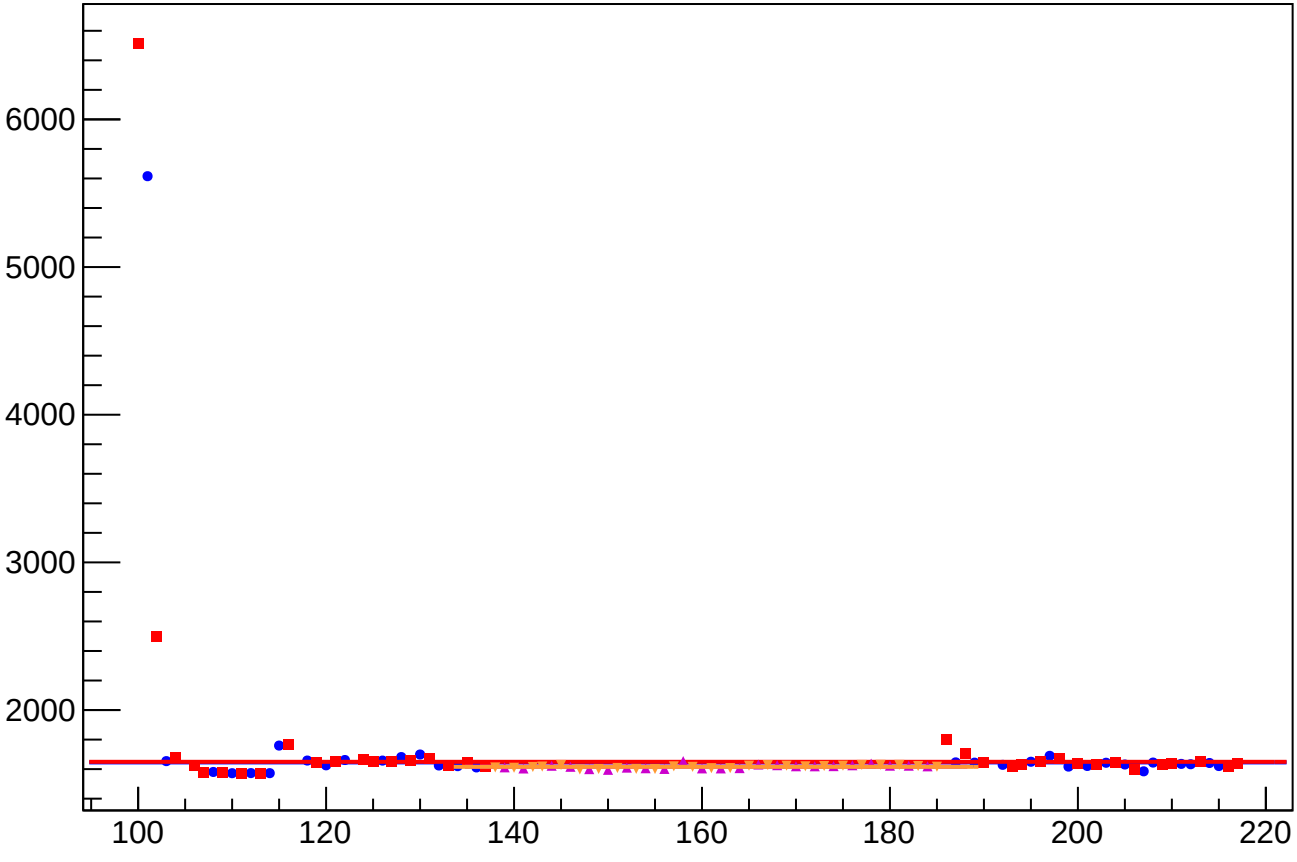
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2259.560+/-263.242 χ^2/NDF: 50.7/55

All: -14.083+/-186.145 χ^2/NDF: 262.6/113

- sign -2287.950+/-263.255 χ^2/NDF: 62.7/57

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.365+/-0.267 χ^2/NDF: 670669.3/30

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

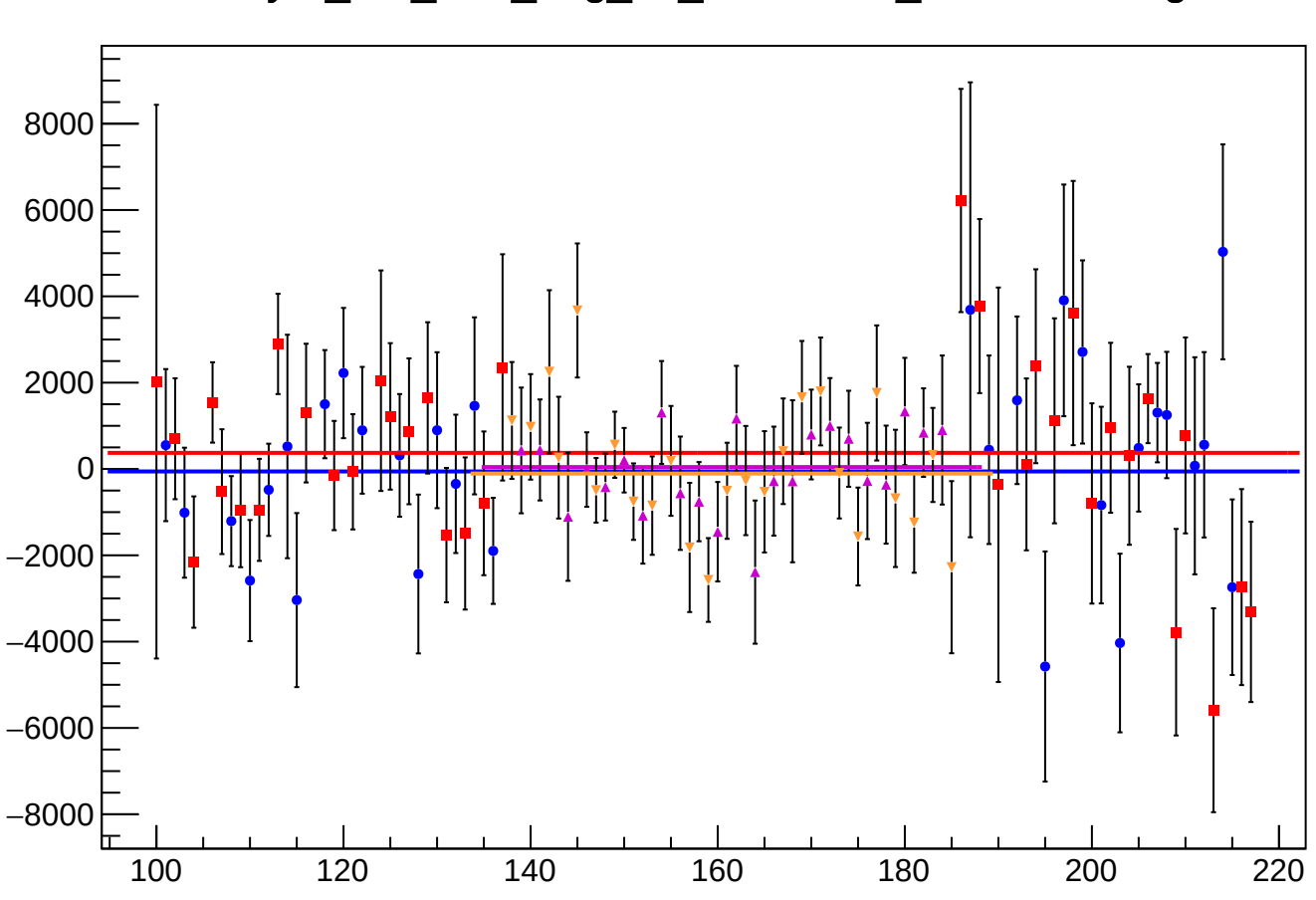
Right Out: 1649.494+/-0.260 χ^2/NDF: 206337.1/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.067+/-0.186 χ^2/NDF: 678489.2/55

All: 1631.720+/-0.132 χ^2/NDF: 895456.2/113

- sign 1633.372+/-0.186 χ^2/NDF: 216809.4/57



Right In: -57.276+/-297.694 χ^2/NDF: 36.6/30

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 373.560+/-284.149 χ^2/NDF: 43.7/34

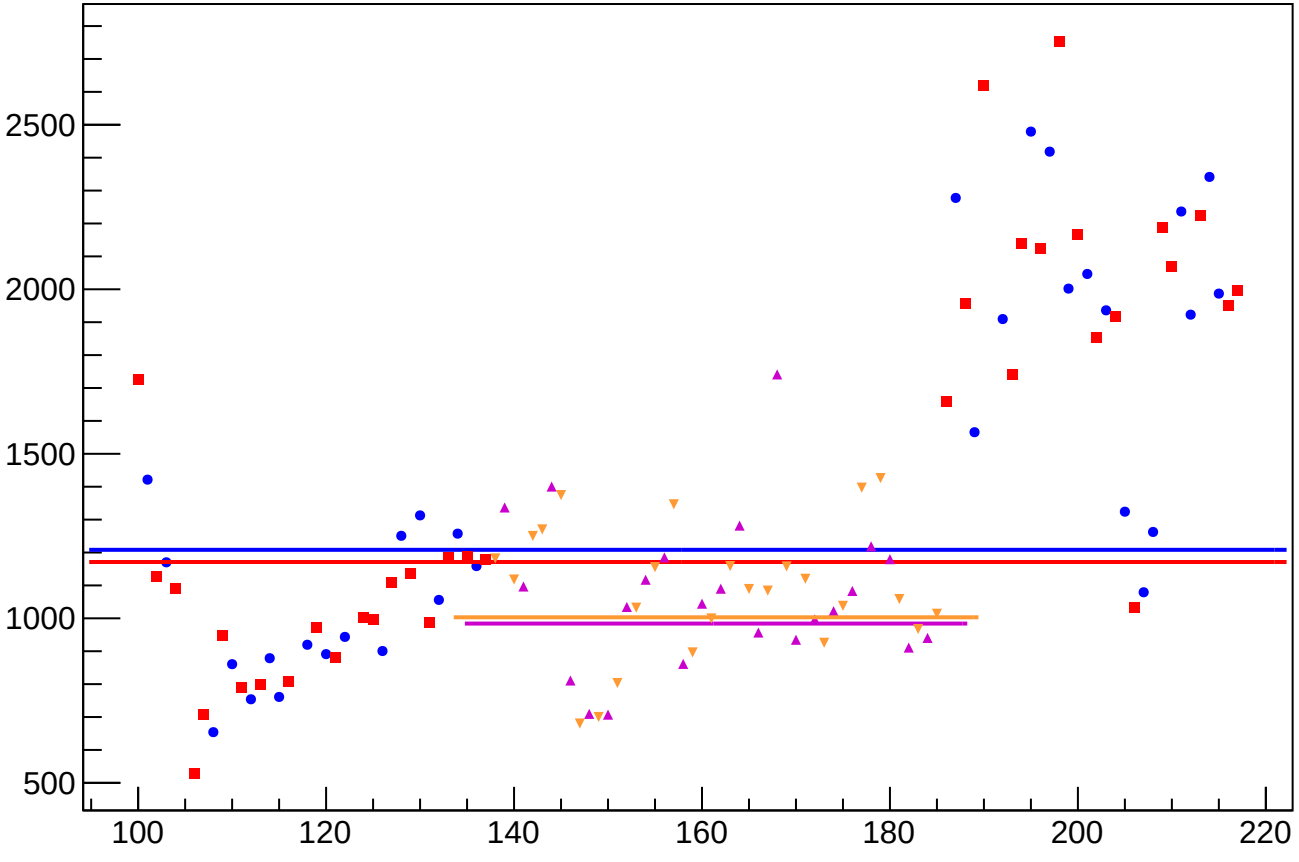
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -87.571+/-184.118 χ^2/NDF: 65.7/55

All: 47.489+/-129.229 χ^2/NDF: 124.0/113

- sign 178.630+/-181.427 χ^2/NDF: 57.3/57

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1208.201+/-0.211 χ^2/NDF: 4952601.0/30

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1171.193+/-0.201 χ^2/NDF: 6454866.0/34

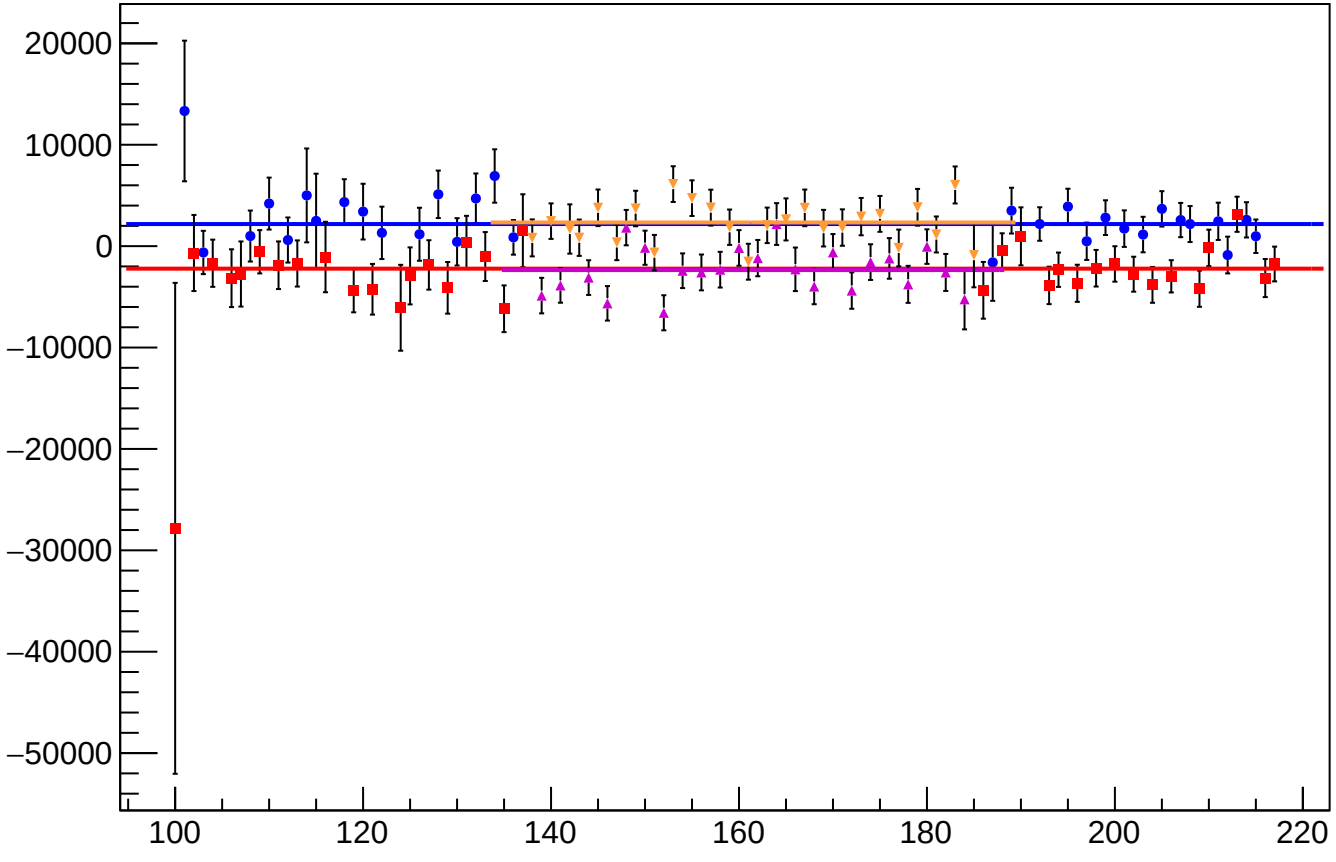
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1081.555+/-0.130 χ^2/NDF: 7137214.4/55

All: 1070.794+/-0.091 χ^2/NDF: 15678952.0/1

- sign 1060.345+/-0.128 χ^2/NDF: 8528271.4/57

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2179.779+/-377.805 χ^2/NDF: 22.4/30

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2219.395+/-367.398 χ^2/NDF: 28.6/34

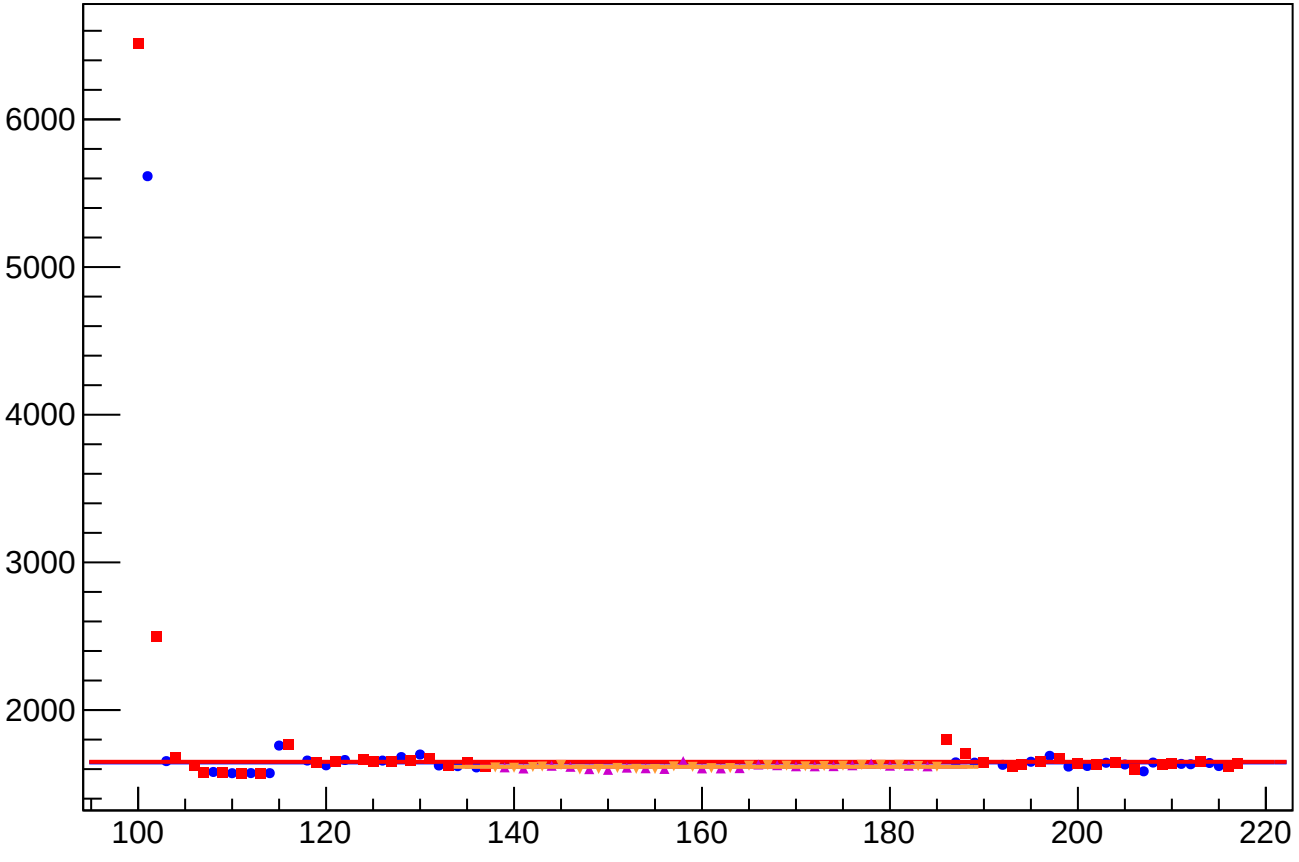
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2259.560+/-263.242 χ^2/NDF: 50.7/55

All: -14.083+/-186.145 χ^2/NDF: 262.6/113

- sign -2287.950+/-263.255 χ^2/NDF: 62.7/57

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1645.364+/-0.267 χ^2/NDF: 670669.3/30

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

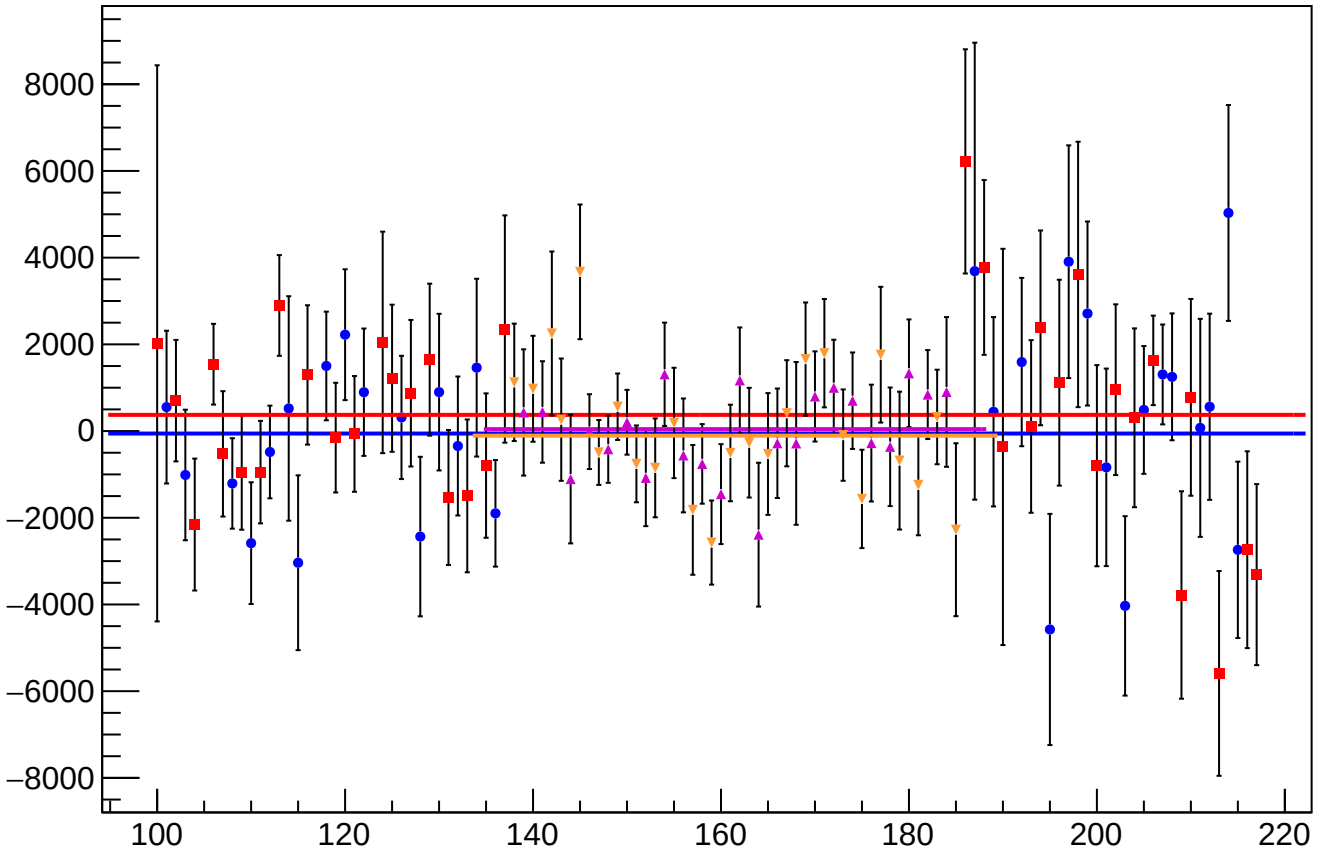
Right Out: 1649.494+/-0.260 χ^2/NDF: 206337.0/34

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.067+/-0.186 χ^2/NDF: 678489.2/55

All: 1631.720+/-0.132 χ^2/NDF: 895456.0/113

- sign 1633.372+/-0.186 χ^2/NDF: 216809.2/57



Right In: -57.277+/-297.694 χ^2/NDF: 36.6/30

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

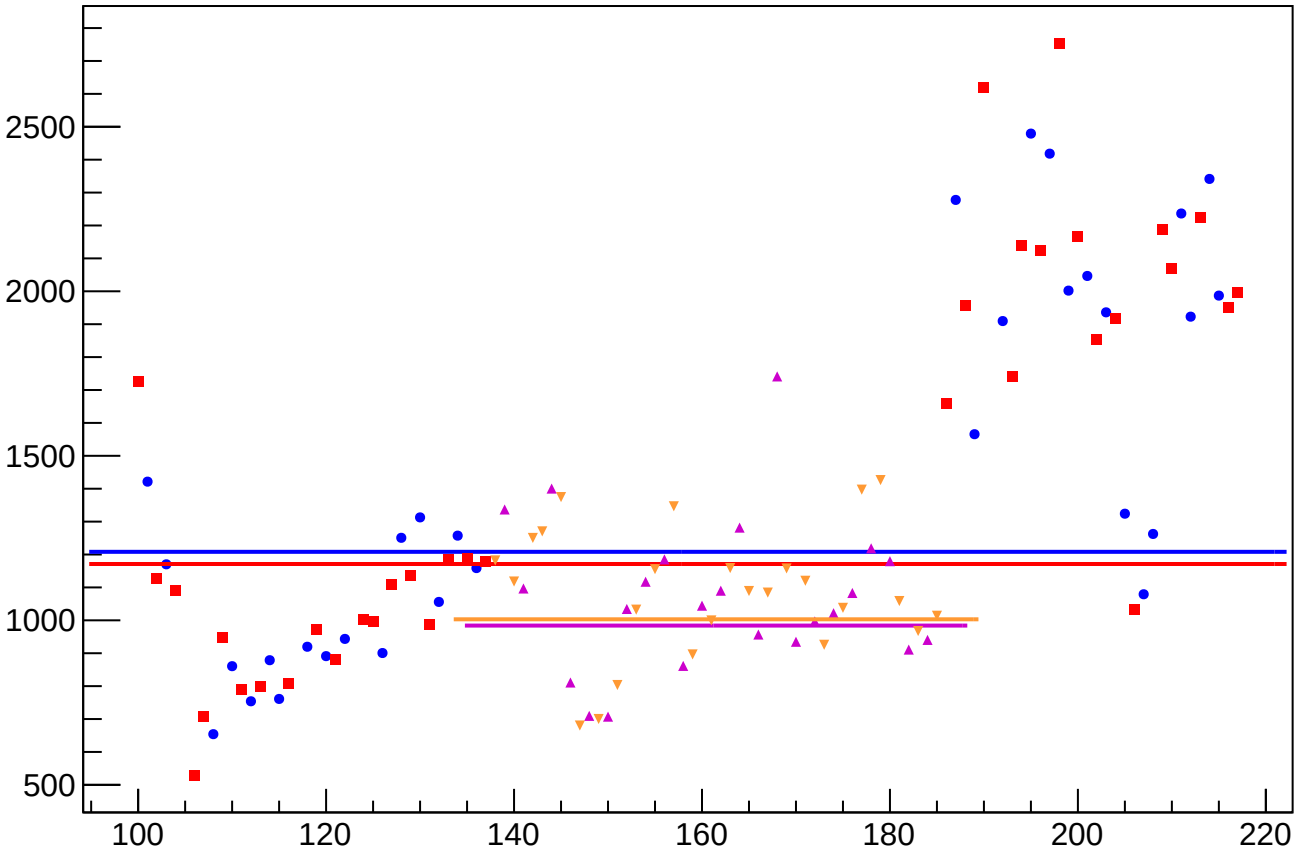
Right Out: 373.558+/-284.149 χ^2/NDF: 43.7/34

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -87.572+/-184.118 χ^2/NDF: 65.7/55

All: 47.488+/-129.229 χ^2/NDF: 124.0/113

- sign 178.630+/-181.427 χ^2/NDF: 57.3/57



Right In: 1208.198+/-0.211 χ^2/NDF: 4952657.9/30

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1171.190+/-0.201 χ^2/NDF: 6454909.4/34

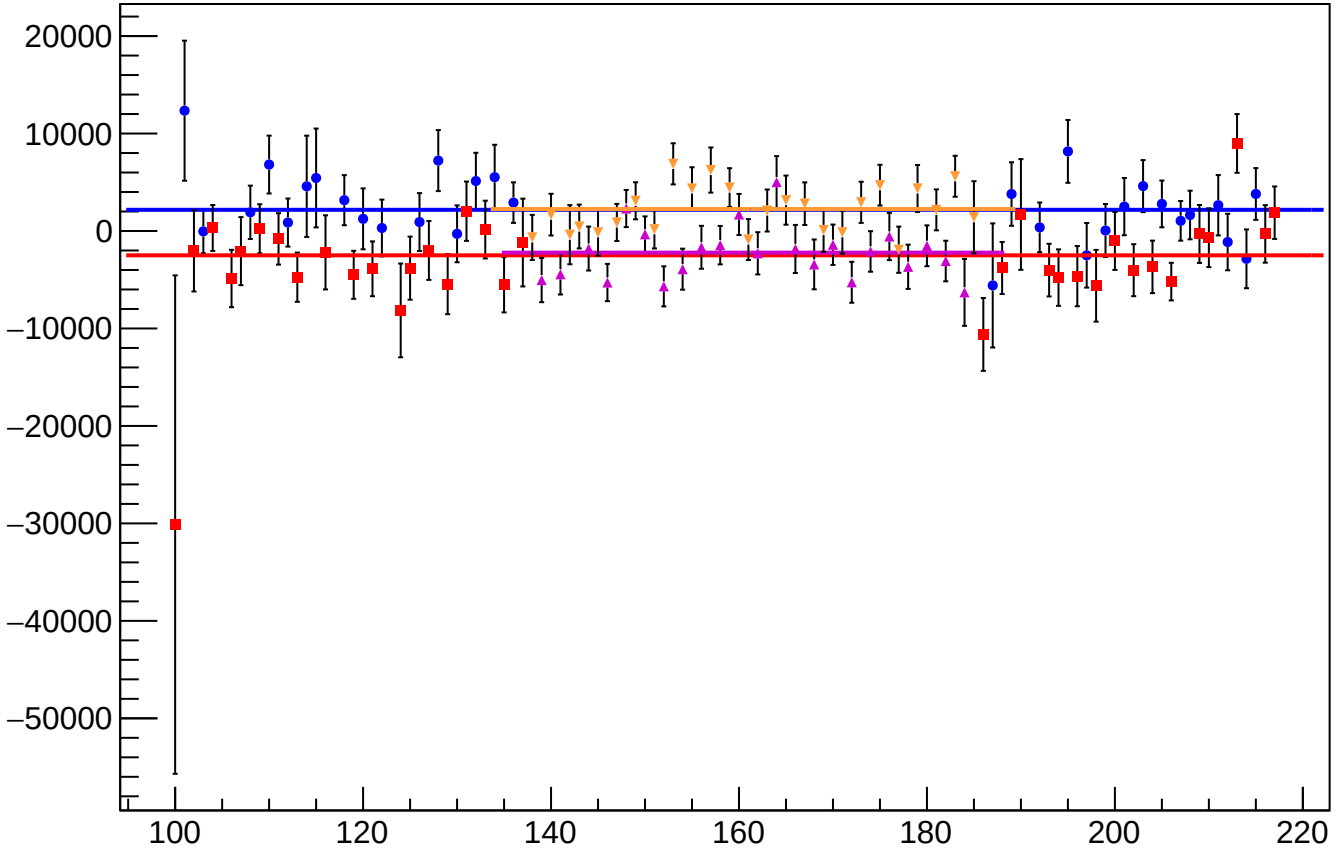
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1081.556+/-0.130 χ^2/NDF: 7137243.8/55

All: 1070.794+/-0.091 χ^2/NDF: 15679001.9/1

- sign 1060.345+/-0.128 χ^2/NDF: 8528291.9/57

asym_usr_atr1_avg_mean vs Slug



Right In: 2174.536+/-516.218 χ^2/NDF: 26.7/30

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2494.432+/-504.562 χ^2/NDF: 42.2/34

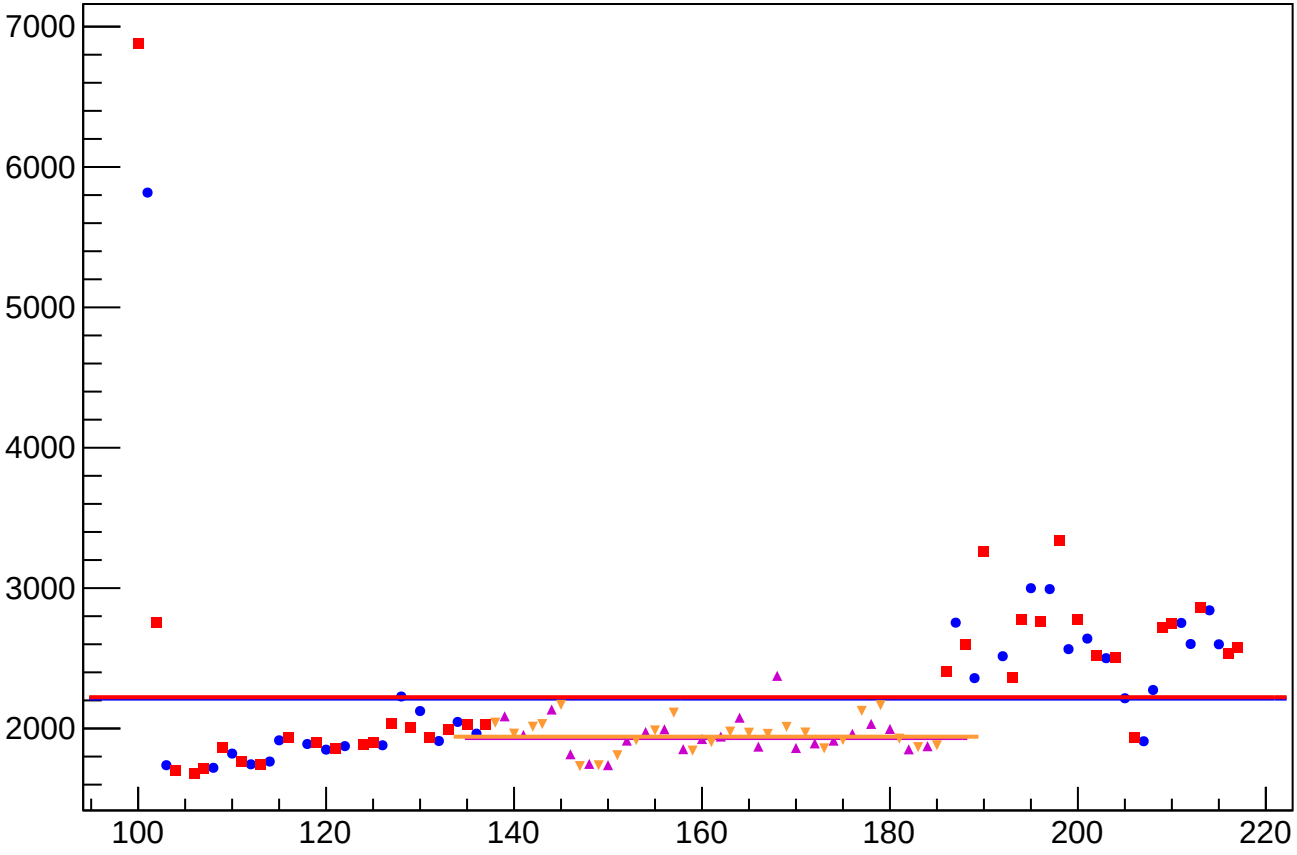
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2219.433+/-335.836 χ^2/NDF: 55.0/55

All: -54.817+/-237.807 χ^2/NDF: 220.9/113

- sign -2341.935+/-336.785 χ^2/NDF: 73.9/57

asym_usr_atr1_avg_rms vs Slug



Right In: 2212.943+/-0.365 χ^2/NDF: 1602222.1/30

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

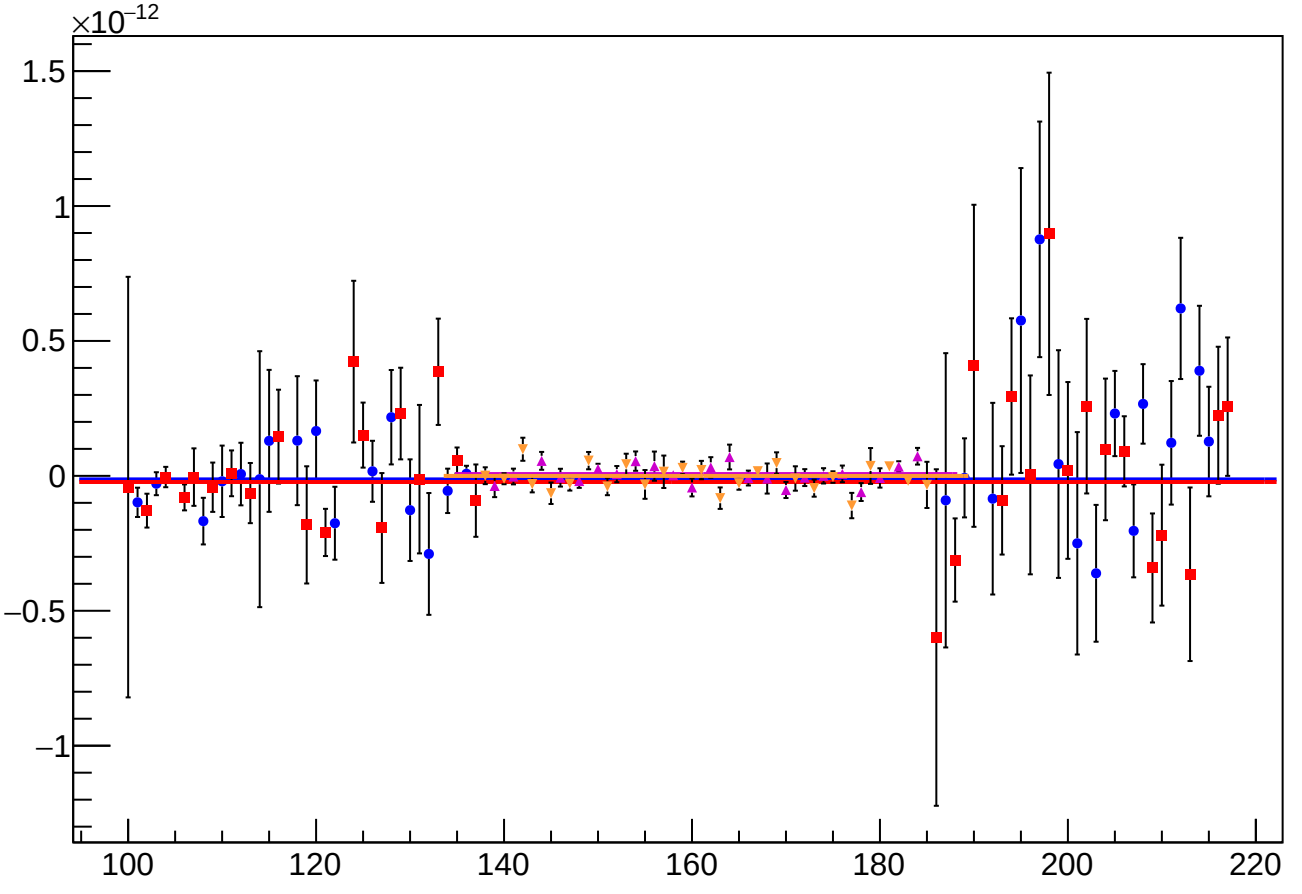
Right Out: 2222.814+/-0.357 χ^2/NDF: 1511880.2/34

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2056.434+/-0.237 χ^2/NDF: 2059982.6/55

All: 2058.941+/-0.168 χ^2/NDF: 4100830.9/11

- sign 2061.462+/-0.238 χ^2/NDF: 2040624.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

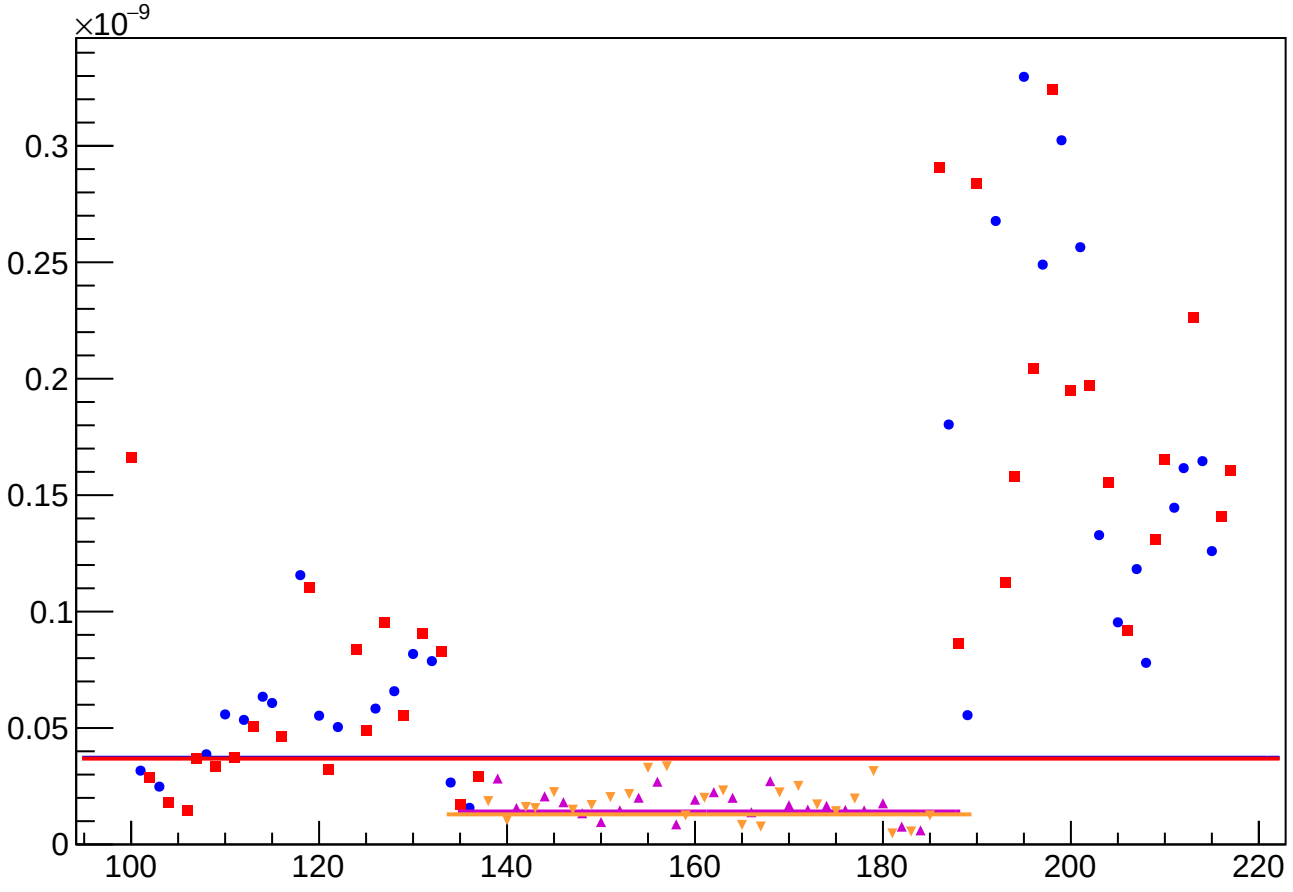
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/34

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.3/55

All: 0.000+/-0.000 χ^2/NDF: 150.5/113

- sign 0.000+/-0.000 χ^2/NDF: 71.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8293301.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8595956.0/34

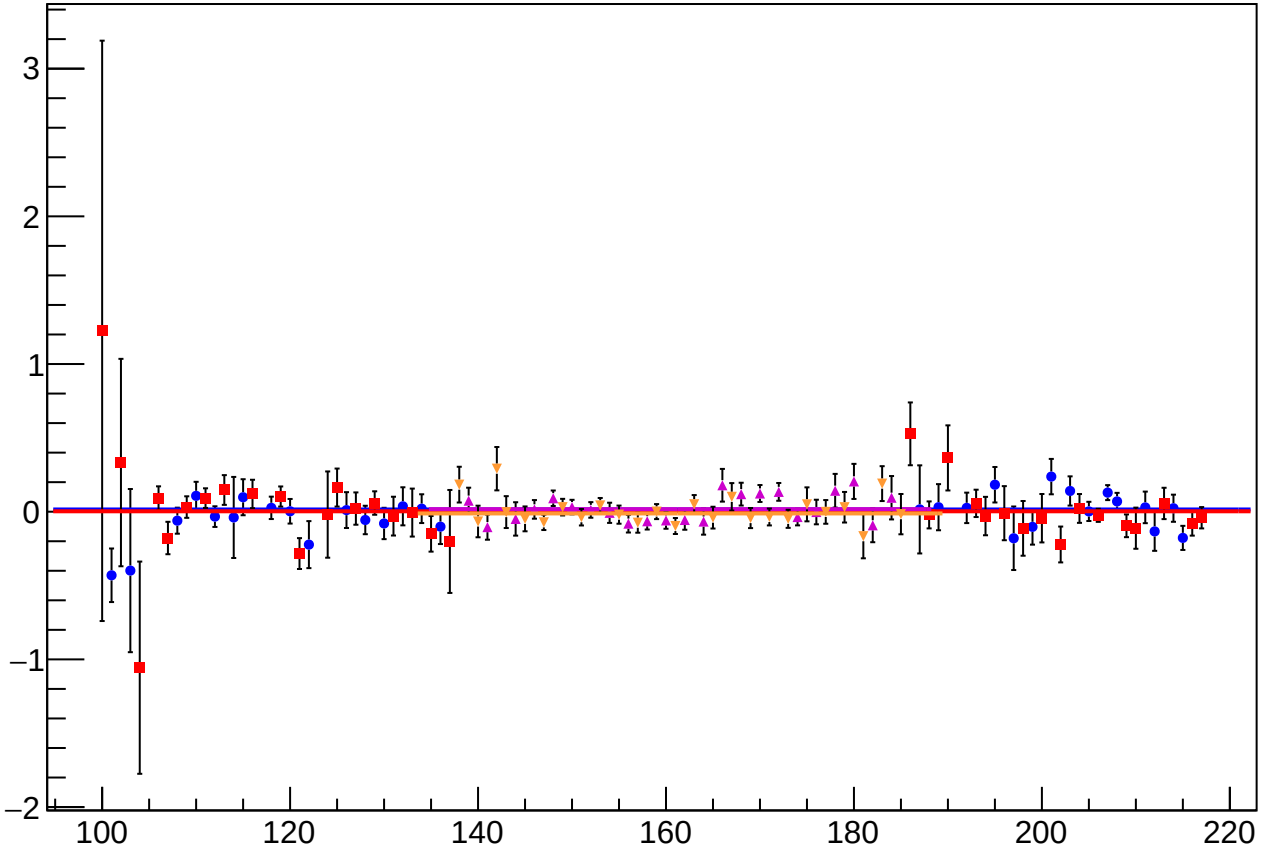
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14363282.8/55

All: 0.000+/-0.000 χ^2/NDF: 27265732.4/113

- sign 0.000+/-0.000 χ^2/NDF: 12848664.7/57

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.018 χ^2/NDF: 35.6/30

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

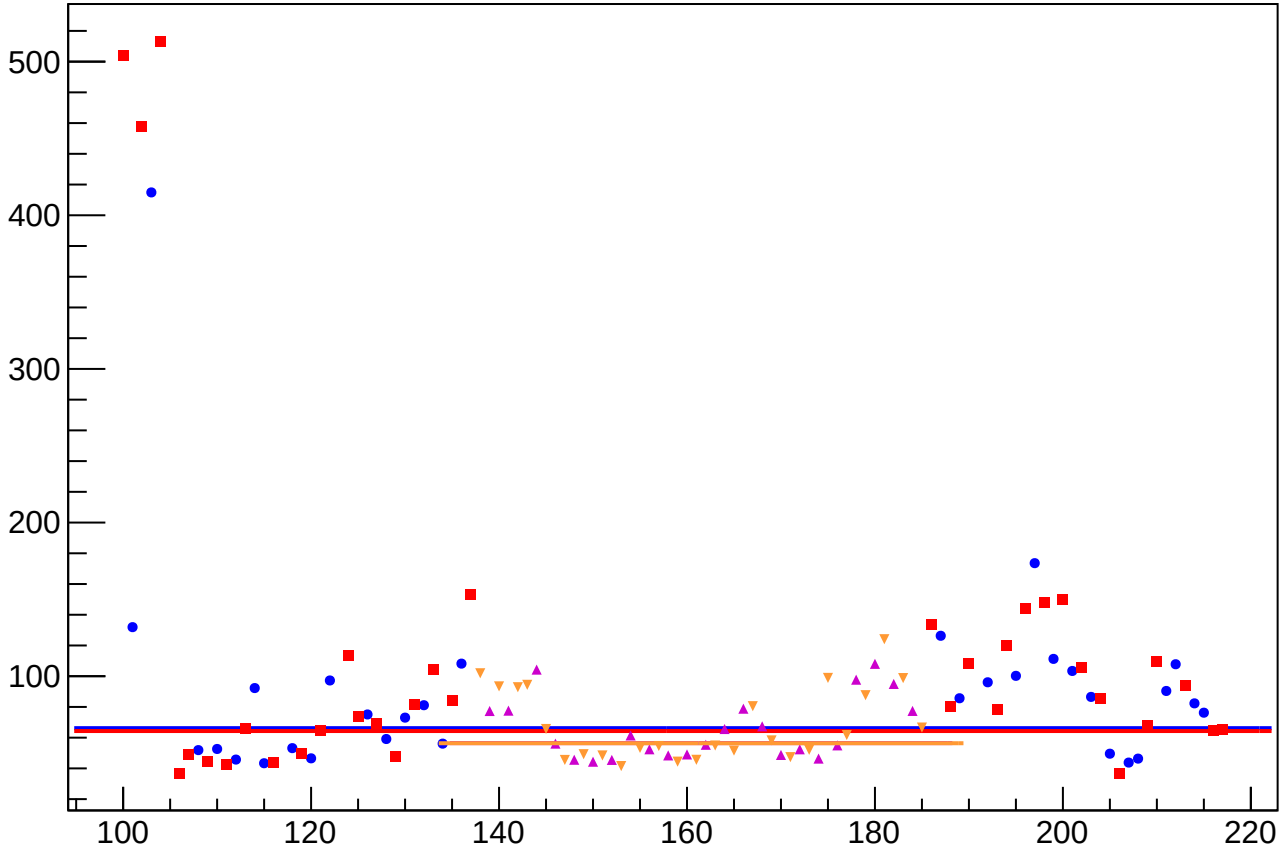
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 58.8/55

All: 0.005+/-0.008 χ^2/NDF: 133.8/113

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 66.189+/-0.012 χ^2/NDF: 4638934.4/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

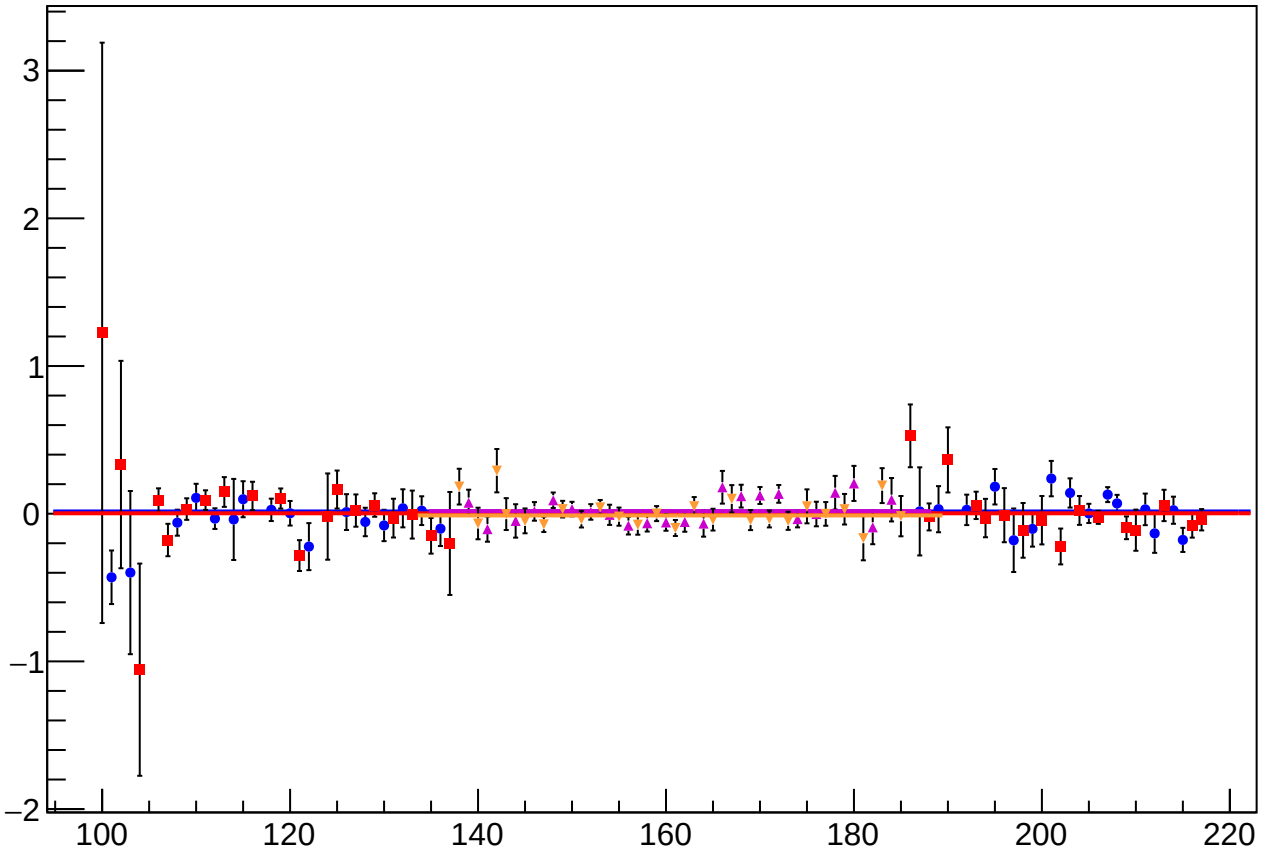
Right Out: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.286+/-0.008 χ^2/NDF: 7810979.5/55

All: 60.016+/-0.006 χ^2/NDF: 16603969.4/113

- sign 59.747+/-0.008 χ^2/NDF: 8790622.4/57



Right In: 0.015+/-0.018 χ^2/NDF: 35.6/30

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

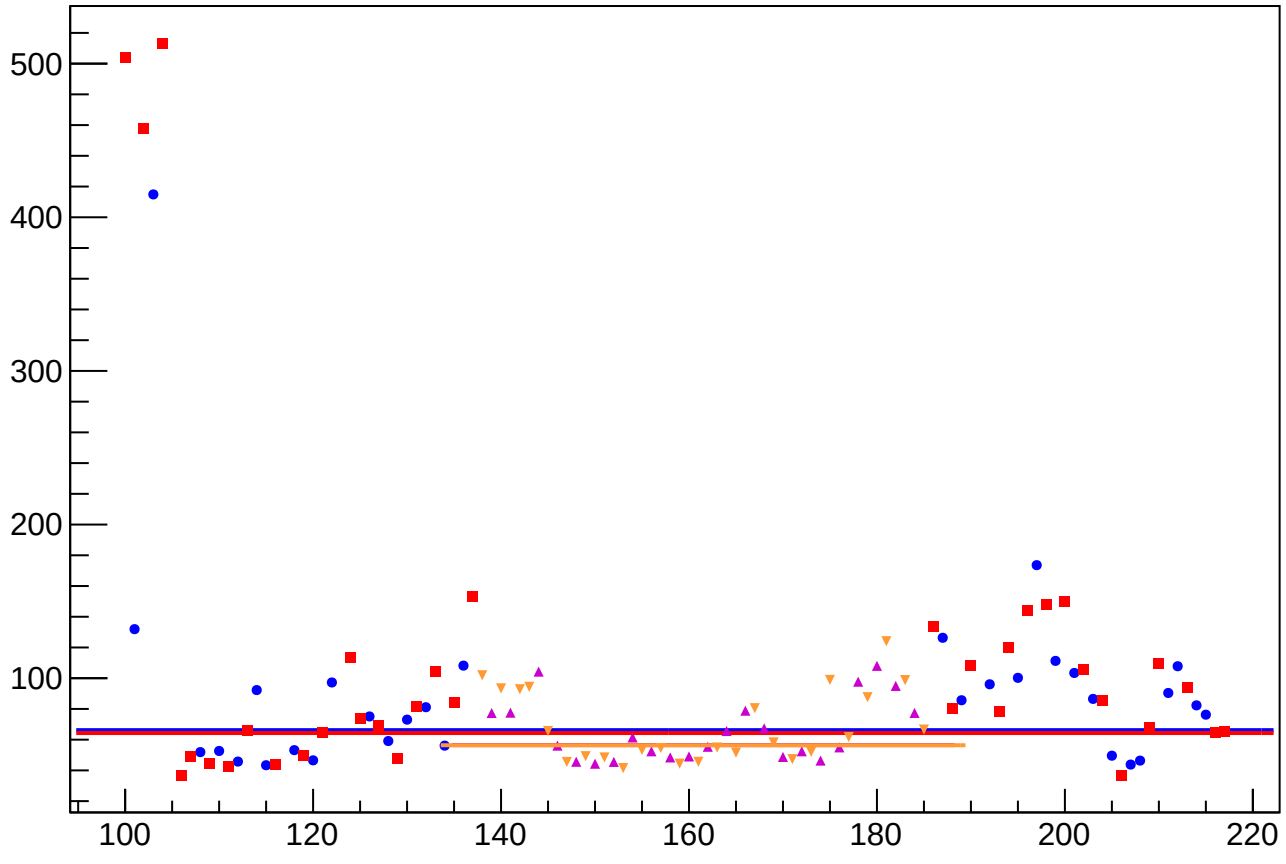
Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 58.8/55

All: 0.005+/-0.008 χ^2/NDF: 133.8/113

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57



Right In: 66.189+/-0.012 χ^2/NDF: 4638934.4/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

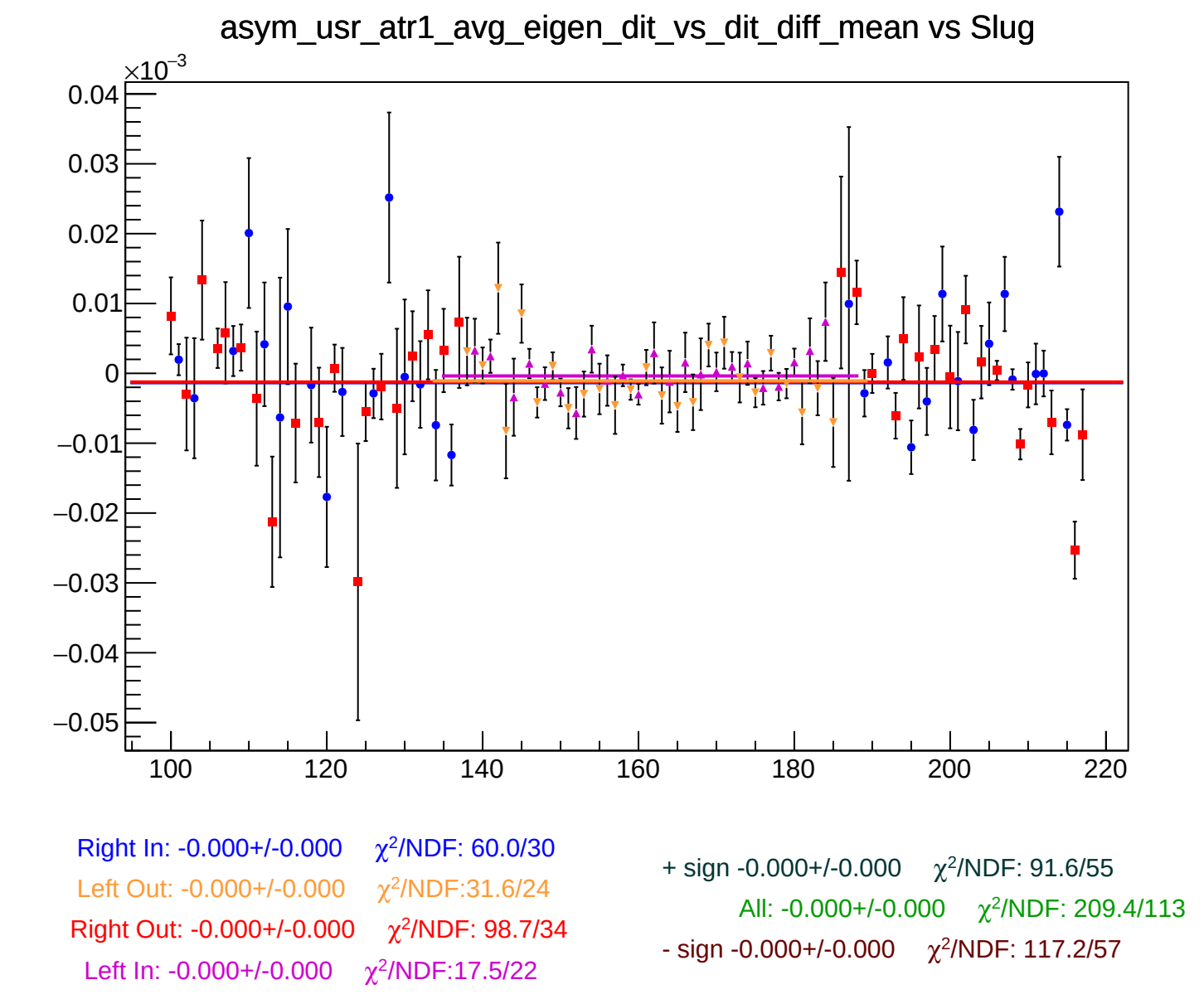
Right Out: 64.317+/-0.012 χ^2/NDF: 6405114.0/34

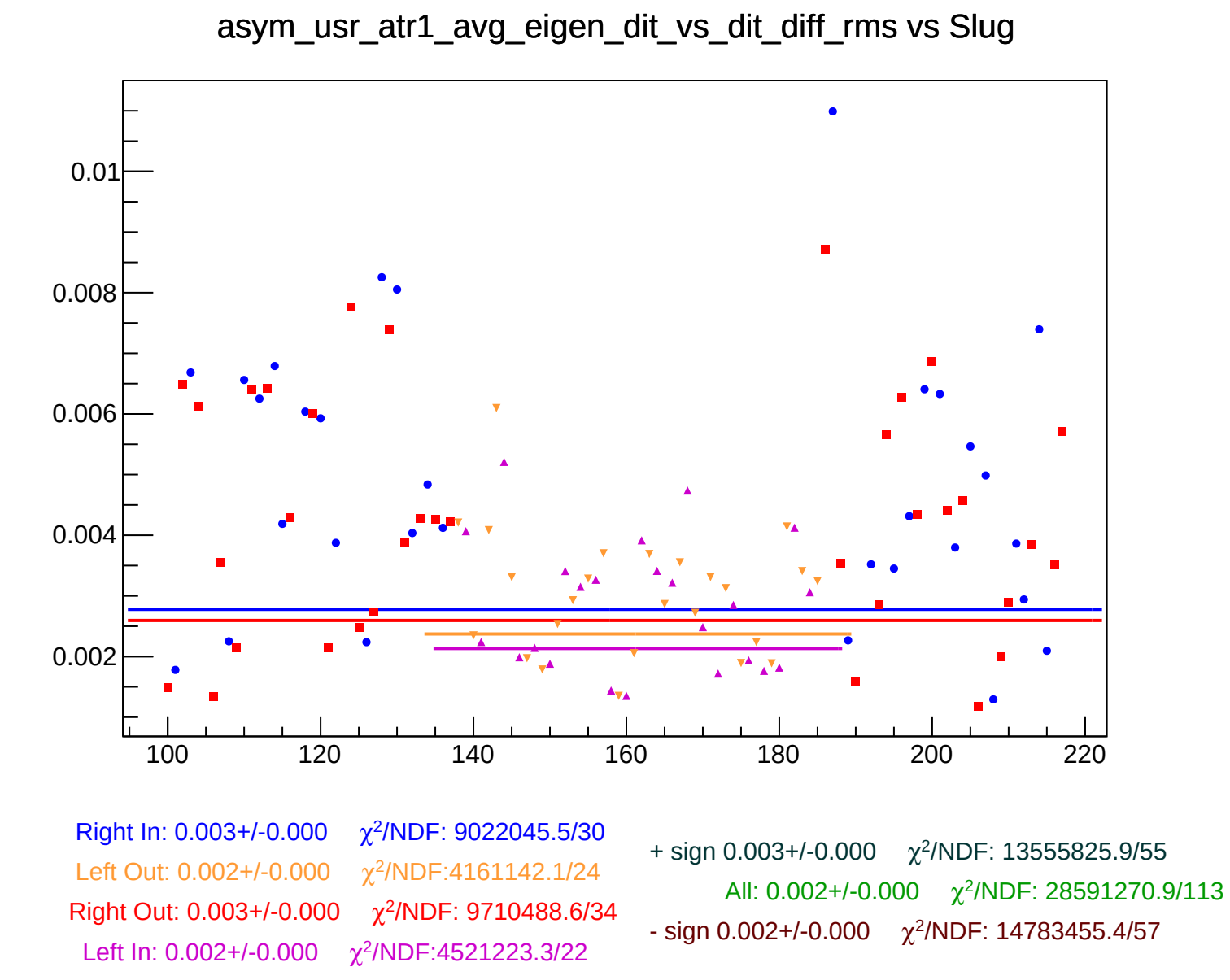
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

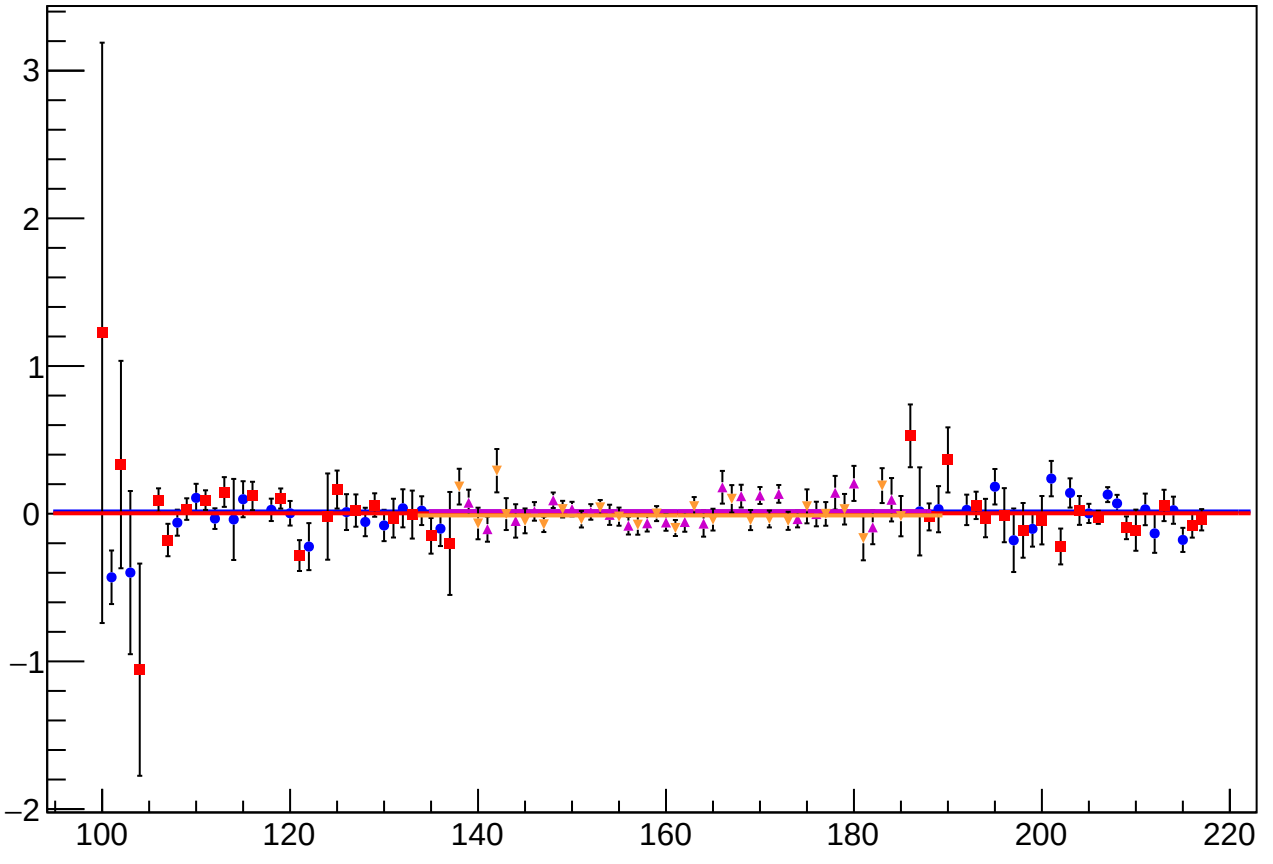
+ sign 60.286+/-0.008 χ^2/NDF: 7810979.5/55

All: 60.016+/-0.006 χ^2/NDF: 16603969.4/113

- sign 59.747+/-0.008 χ^2/NDF: 8790622.4/57


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 60.0/30
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 98.7/34
Left In: -0.000+/-0.000 χ²/NDF:17.5/22
+ sign -0.000+/-0.000 χ²/NDF: 91.6/55
All: -0.000+/-0.000 χ²/NDF: 209.4/113
- sign -0.000+/-0.000 χ²/NDF: 117.2/57


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 9022045.5/30
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 9710488.6/34
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
+ sign 0.003+/-0.000 χ²/NDF: 13555825.9/55
All: 0.002+/-0.000 χ²/NDF: 28591270.9/113
- sign 0.002+/-0.000 χ²/NDF: 14783455.4/57



Right In: 0.015+/-0.018 χ^2/NDF: 35.6/30

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

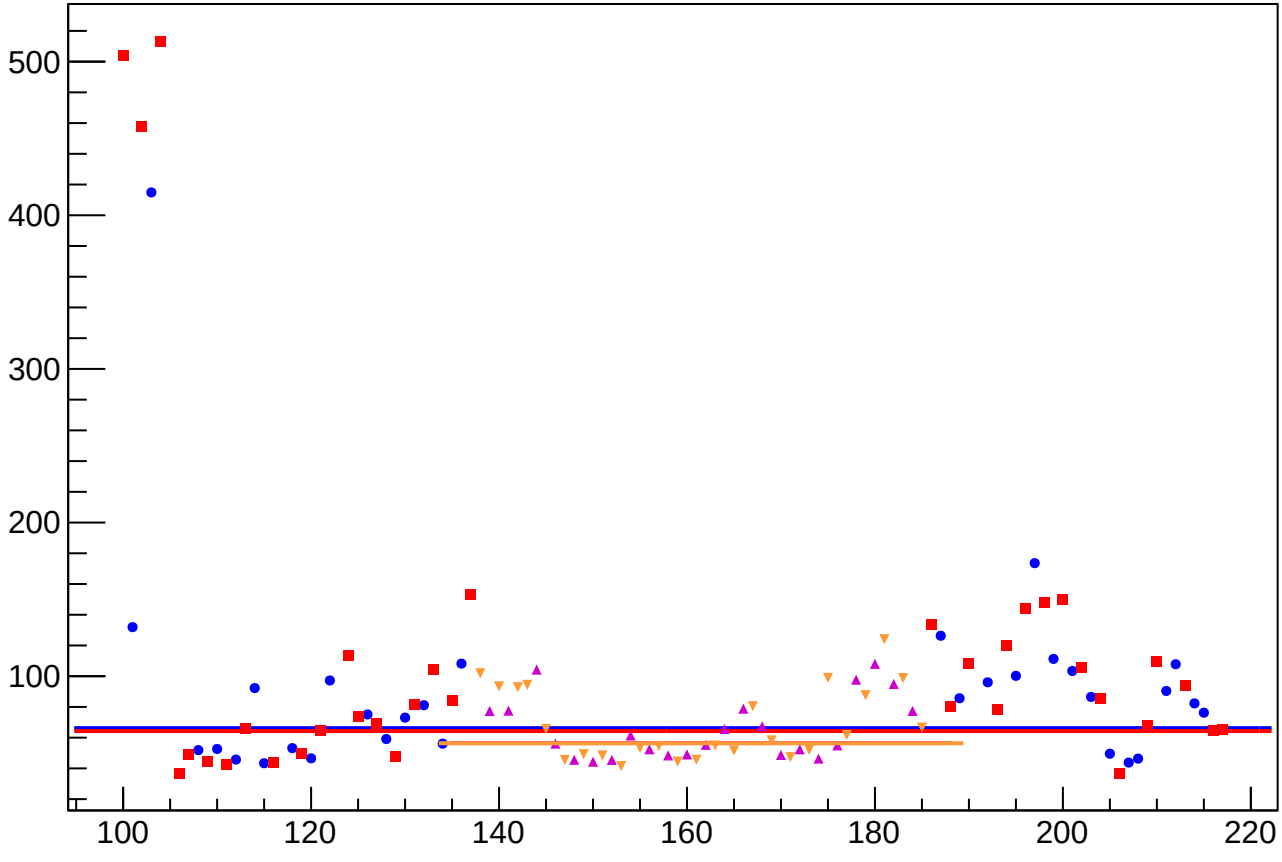
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 58.8/55

All: 0.005+/-0.008 χ^2/NDF: 133.8/113

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 66.189+/-0.012 χ^2/NDF: 4638898.3/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

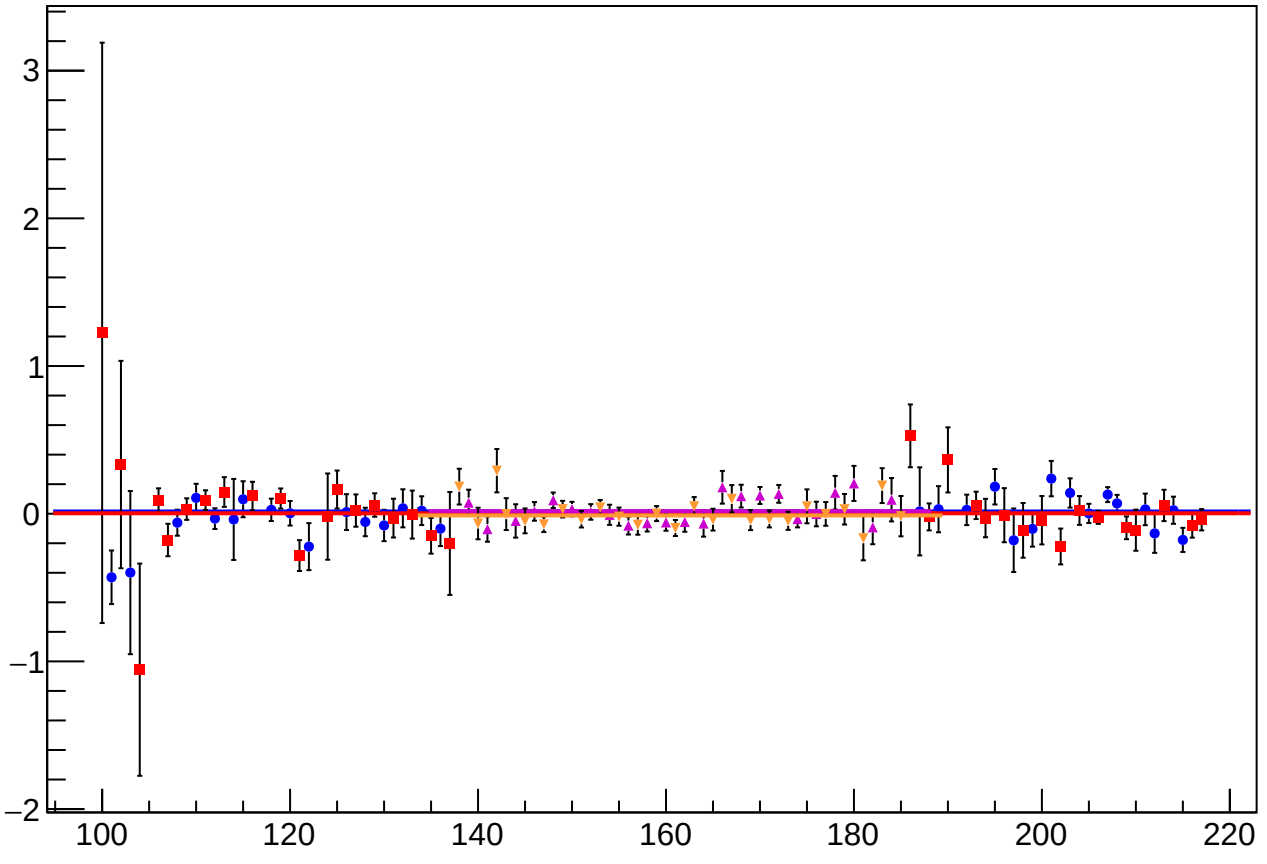
Right Out: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.286+/-0.008 χ^2/NDF: 7810980.6/55

All: 60.016+/-0.006 χ^2/NDF: 16603963.4/113

- sign 59.747+/-0.008 χ^2/NDF: 8790614.1/57



Right In: 0.015+/-0.018 χ^2/NDF: 35.6/30

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

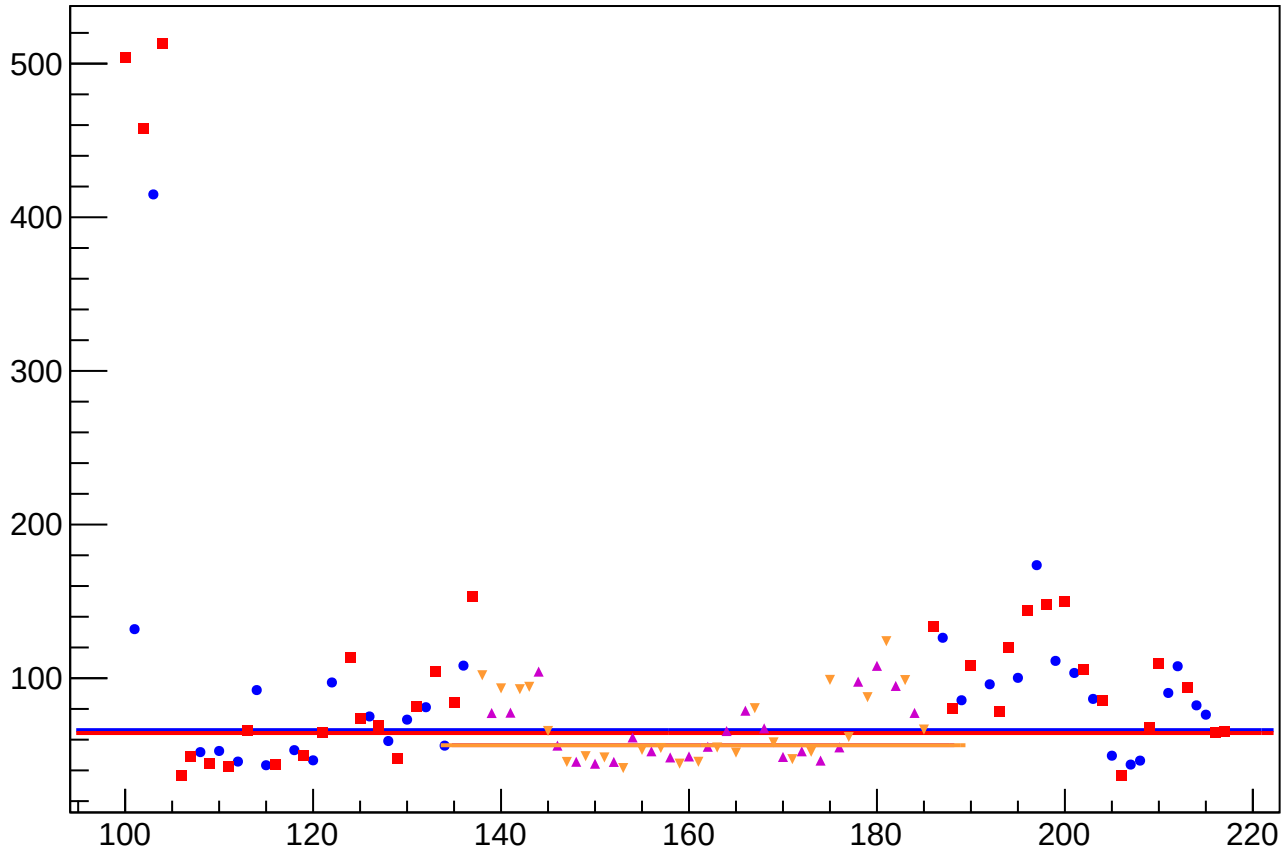
Right Out: 0.003+/-0.017 χ^2/NDF: 43.4/34

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 58.8/55

All: 0.005+/-0.008 χ^2/NDF: 133.8/113

- sign 0.011+/-0.011 χ^2/NDF: 74.4/57



Right In: 66.189+/-0.012 χ^2/NDF: 4638898.3/30

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

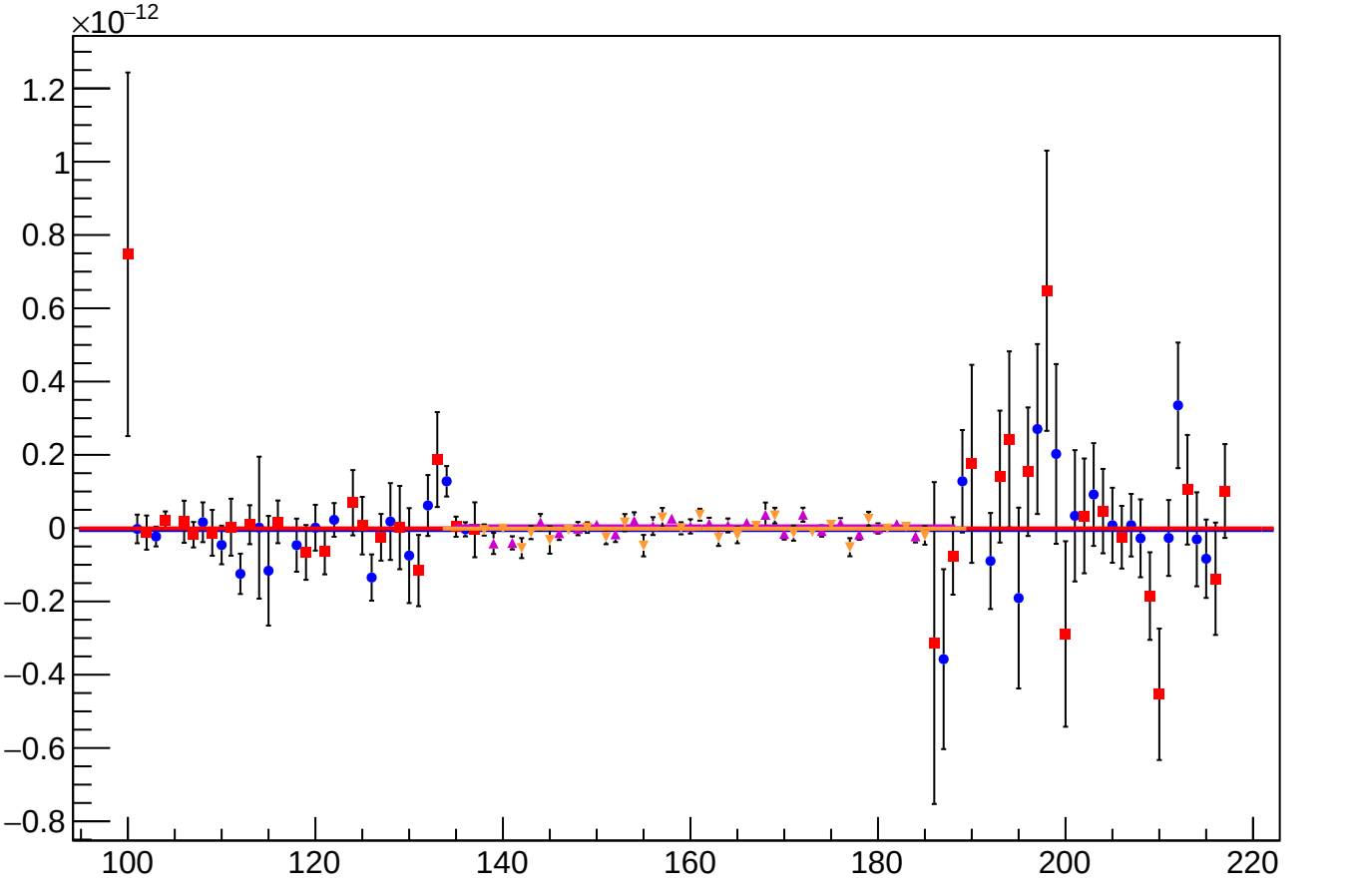
Right Out: 64.317+/-0.012 χ^2/NDF: 6405159.4/34

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.286+/-0.008 χ^2/NDF: 7810980.6/55

All: 60.016+/-0.006 χ^2/NDF: 16603963.4/113

- sign 59.747+/-0.008 χ^2/NDF: 8790614.1/57



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

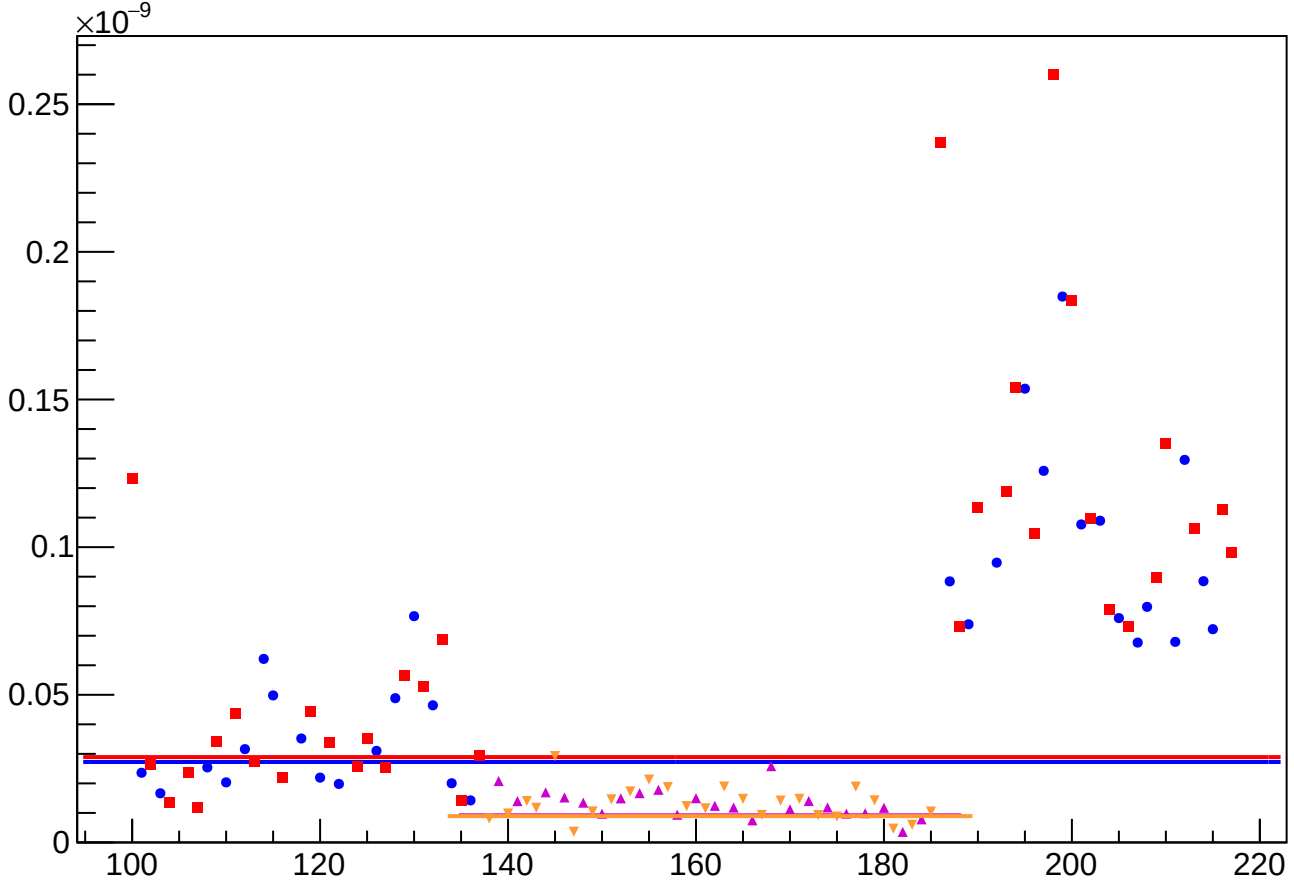
Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/34

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.6/55

All: 0.000+/-0.000 χ^2/NDF: 123.2/113

- sign 0.000+/-0.000 χ^2/NDF: 57.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 8923691.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10877394.6/34

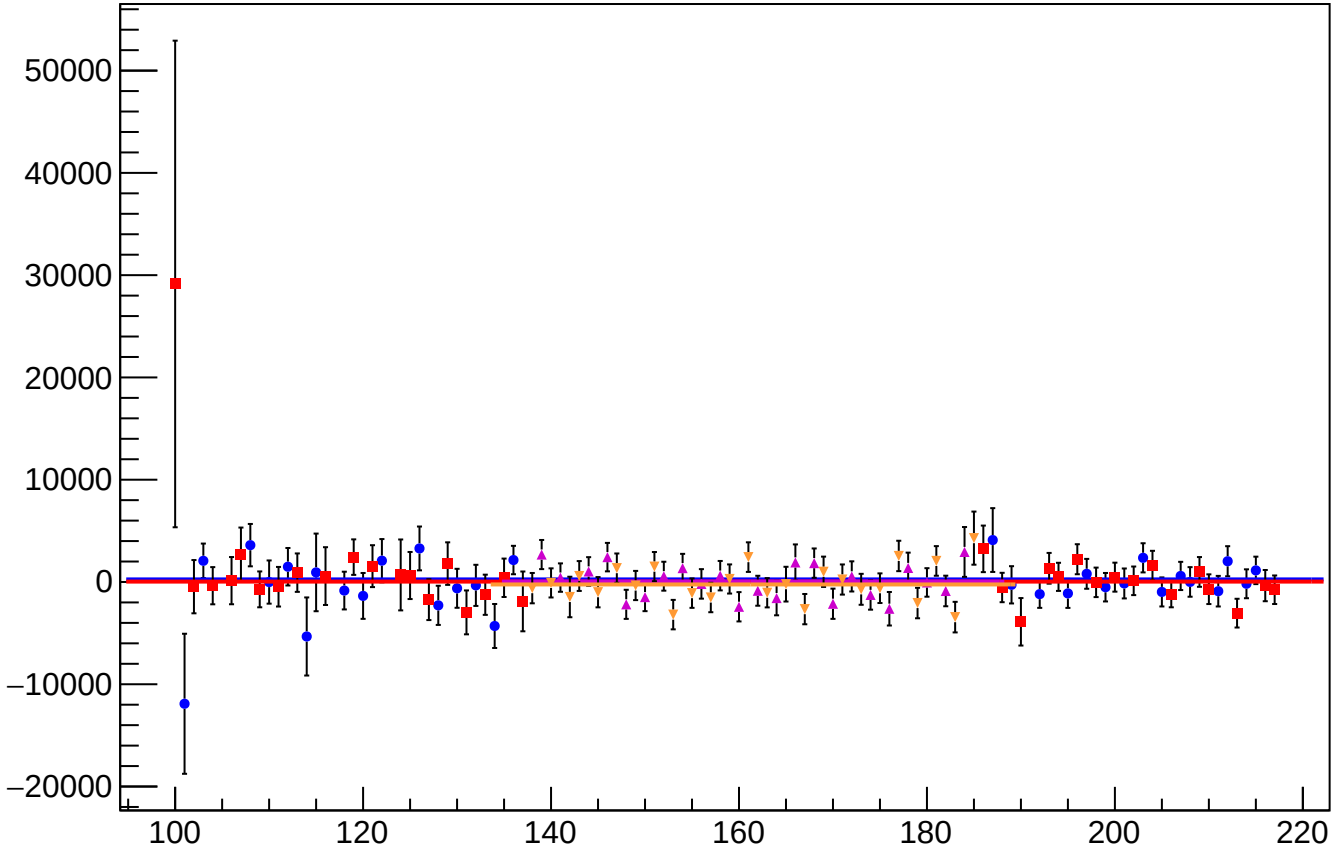
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 19424664.9/55

All: 0.000+/-0.000 χ^2/NDF: 41046929.3/113

- sign 0.000+/-0.000 χ^2/NDF: 21611432.3/57

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 250.933+/-307.237 χ^2/NDF: 31.4/30

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 37.536+/-298.155 χ^2/NDF: 26.2/34

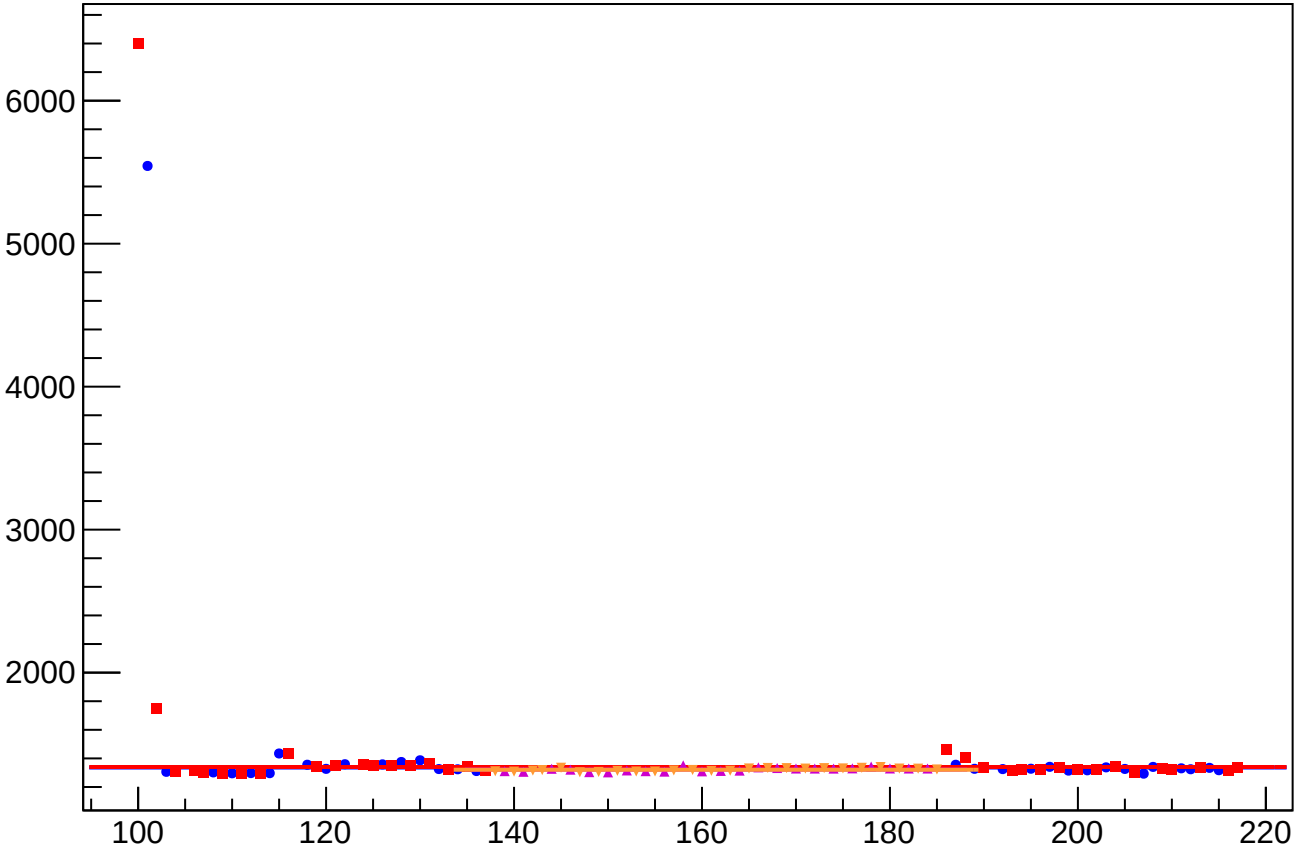
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -0.825+/-214.648 χ^2/NDF: 64.4/55

All: 18.758+/-151.703 χ^2/NDF: 117.7/113

- sign 38.302+/-214.432 χ^2/NDF: 53.3/57

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.427+/-0.217 χ^2/NDF: 767080.2/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.863+/-0.211 χ^2/NDF: 162610.0/34

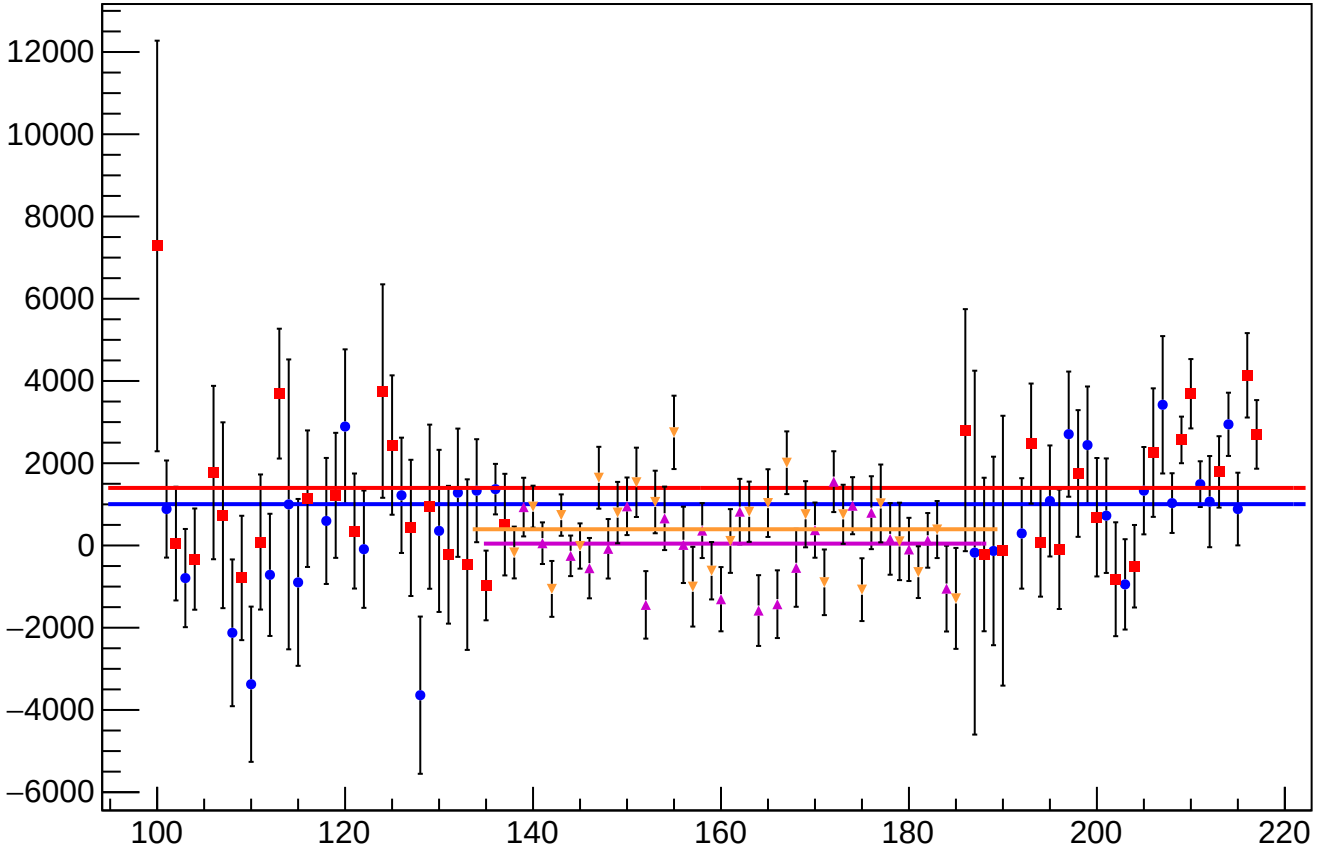
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.397+/-0.152 χ^2/NDF: 772351.4/55

All: 1329.767+/-0.107 χ^2/NDF: 942228.1/113

- sign 1331.135+/-0.152 χ^2/NDF: 169713.9/57

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1004.685+/-210.802 χ^2/NDF: 36.5/30

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1399.266+/-218.324 χ^2/NDF: 53.5/34

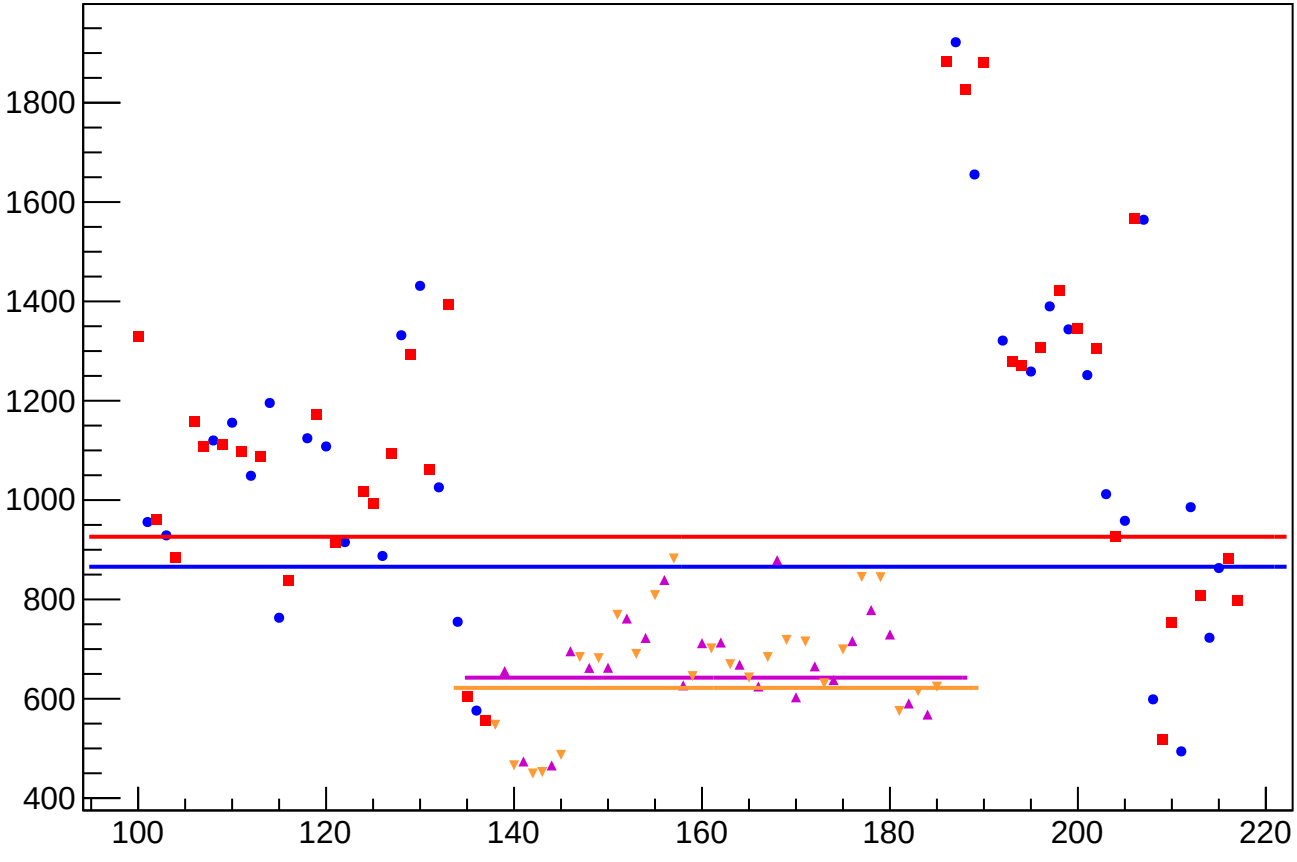
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 589.706+/-119.221 χ^2/NDF: 84.1/55

All: 541.362+/-86.249 χ^2/NDF: 191.4/113

- sign 488.278+/-124.929 χ^2/NDF: 107.0/57

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 865.794+/-0.149 χ^2/NDF: 4039704.3/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 926.181+/-0.154 χ^2/NDF: 4169426.6/34

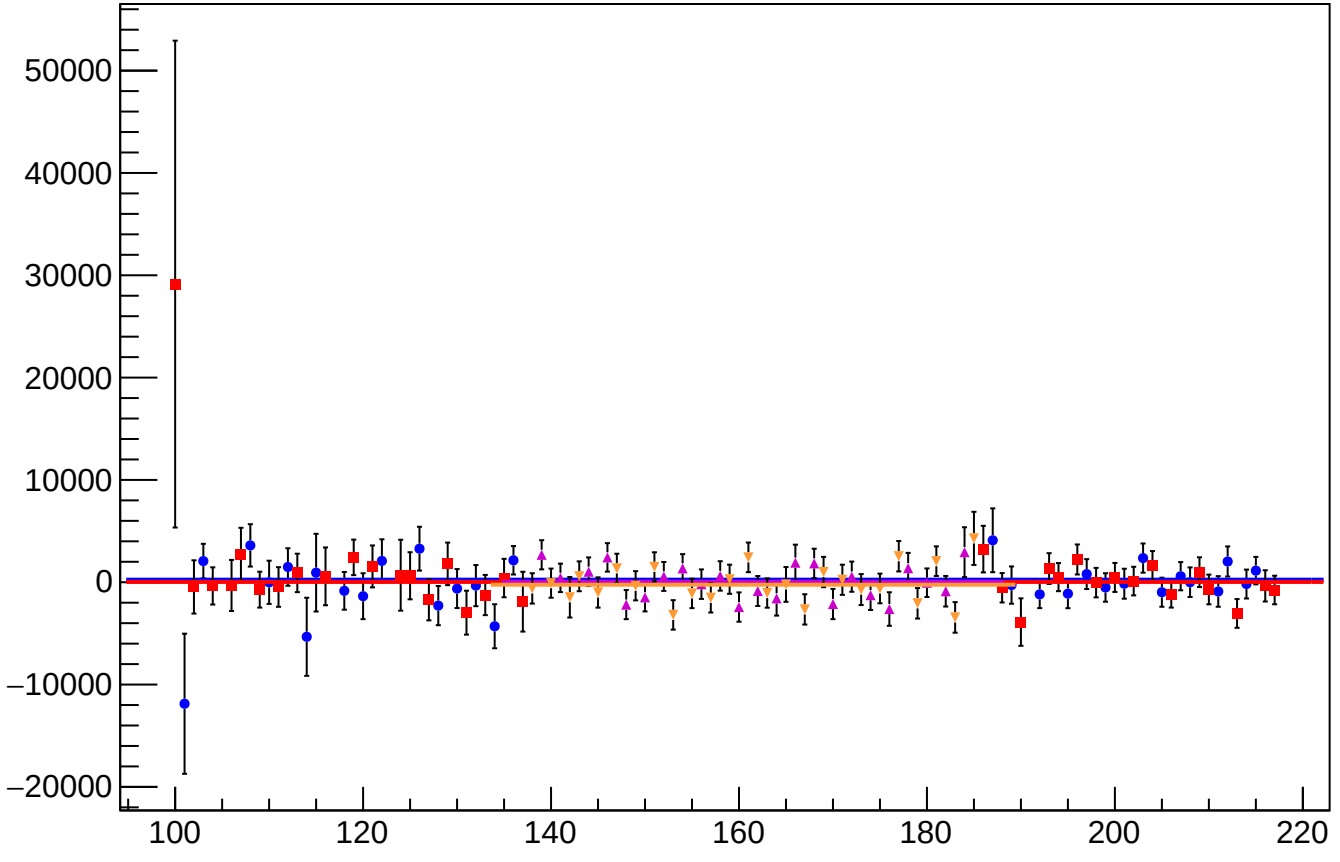
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 699.945+/-0.084 χ^2/NDF: 7243307.5/55

All: 716.828+/-0.061 χ^2/NDF: 14694717.6/11

- sign 735.366+/-0.088 χ^2/NDF: 7367268.0/57

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 251.040+/-307.237 χ^2/NDF: 31.4/30

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 31.075+/-298.514 χ^2/NDF: 26.2/34

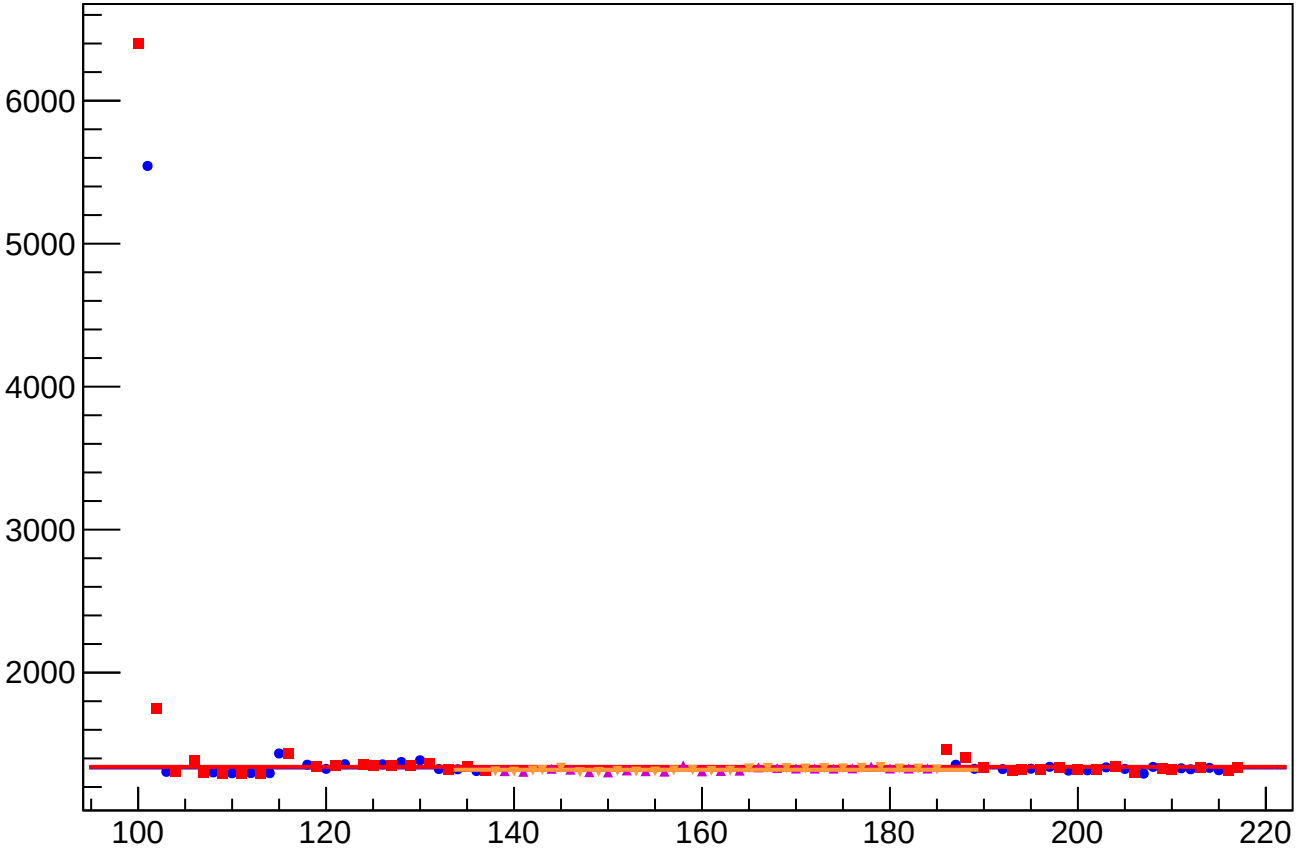
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -0.774+/-214.648 χ^2/NDF: 64.4/55

All: 17.120+/-151.750 χ^2/NDF: 117.7/113

- sign 34.999+/-214.566 χ^2/NDF: 53.3/57

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.427+/-0.217 χ^2/NDF: 767079.3/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

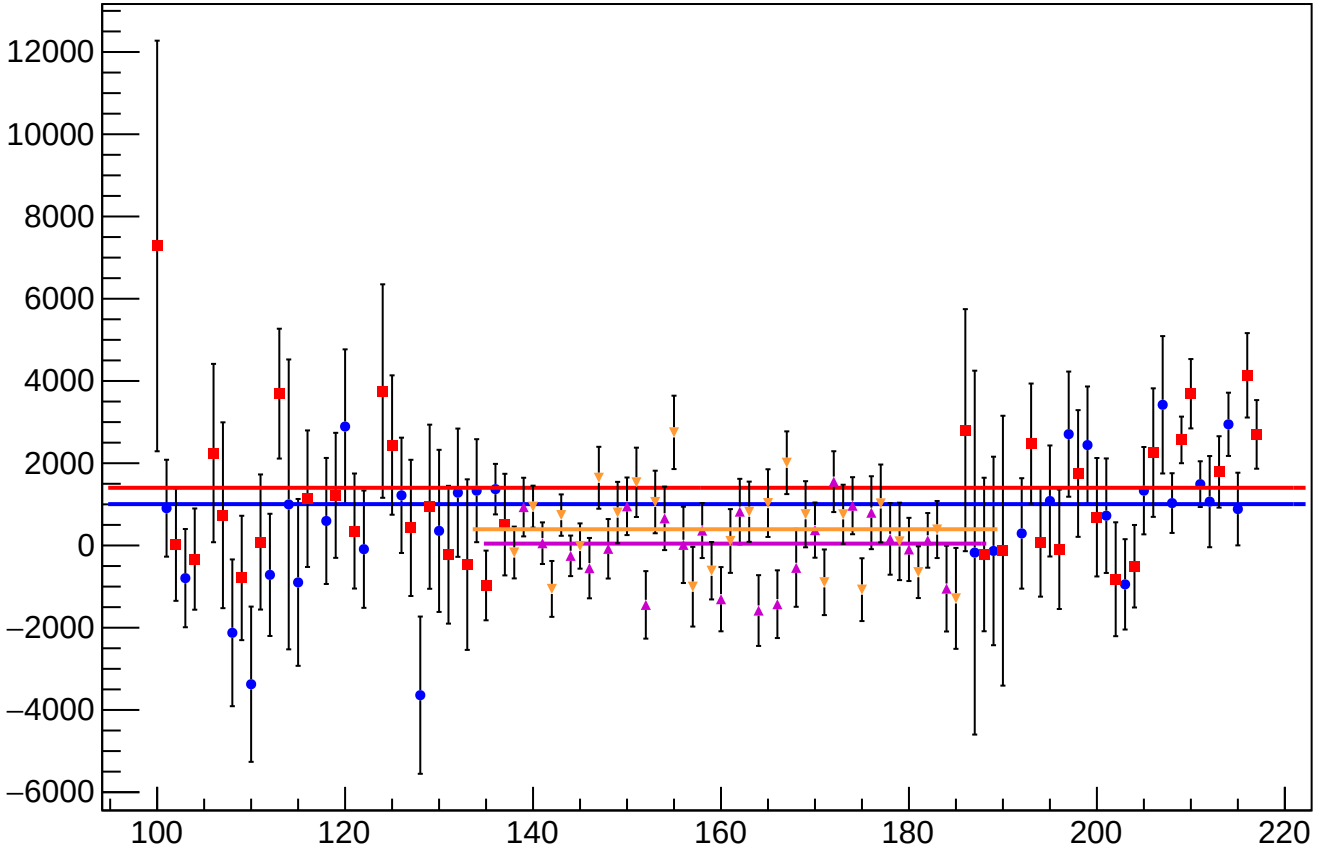
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.397+/-0.152 χ^2/NDF: 772350.4/55

All: 1330.038+/-0.107 χ^2/NDF: 943283.3/113

- sign 1331.679+/-0.152 χ^2/NDF: 170699.0/57

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1005.320+/-210.787 χ^2/NDF: 36.5/30

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

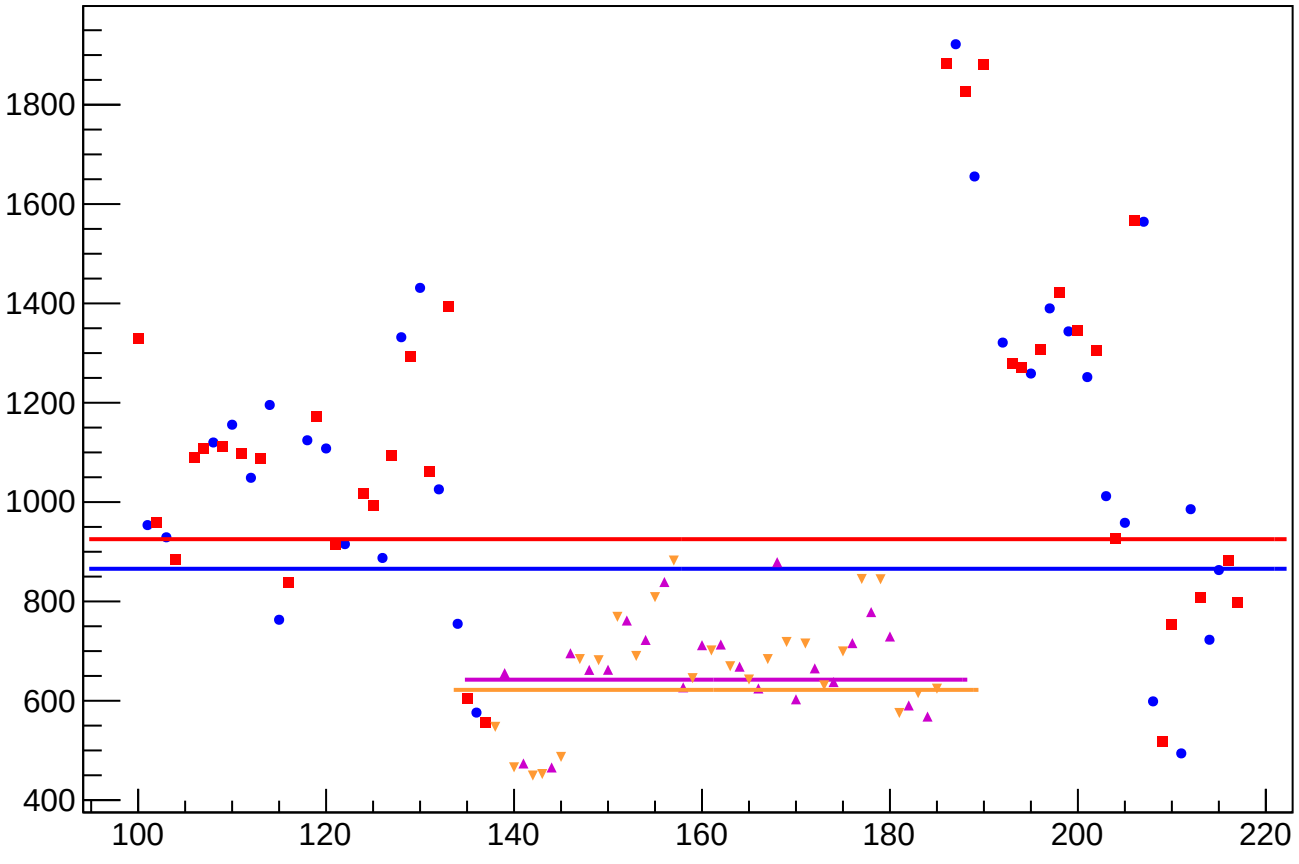
Right Out: 1402.486+/-218.325 χ^2/NDF: 53.7/34

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 589.909+/-119.218 χ^2/NDF: 84.1/55

All: 541.965+/-86.248 χ^2/NDF: 191.7/113

- sign 489.319+/-124.928 χ^2/NDF: 107.3/57



Right In: 865.739+/-0.149 χ^2/NDF: 4039345.1/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

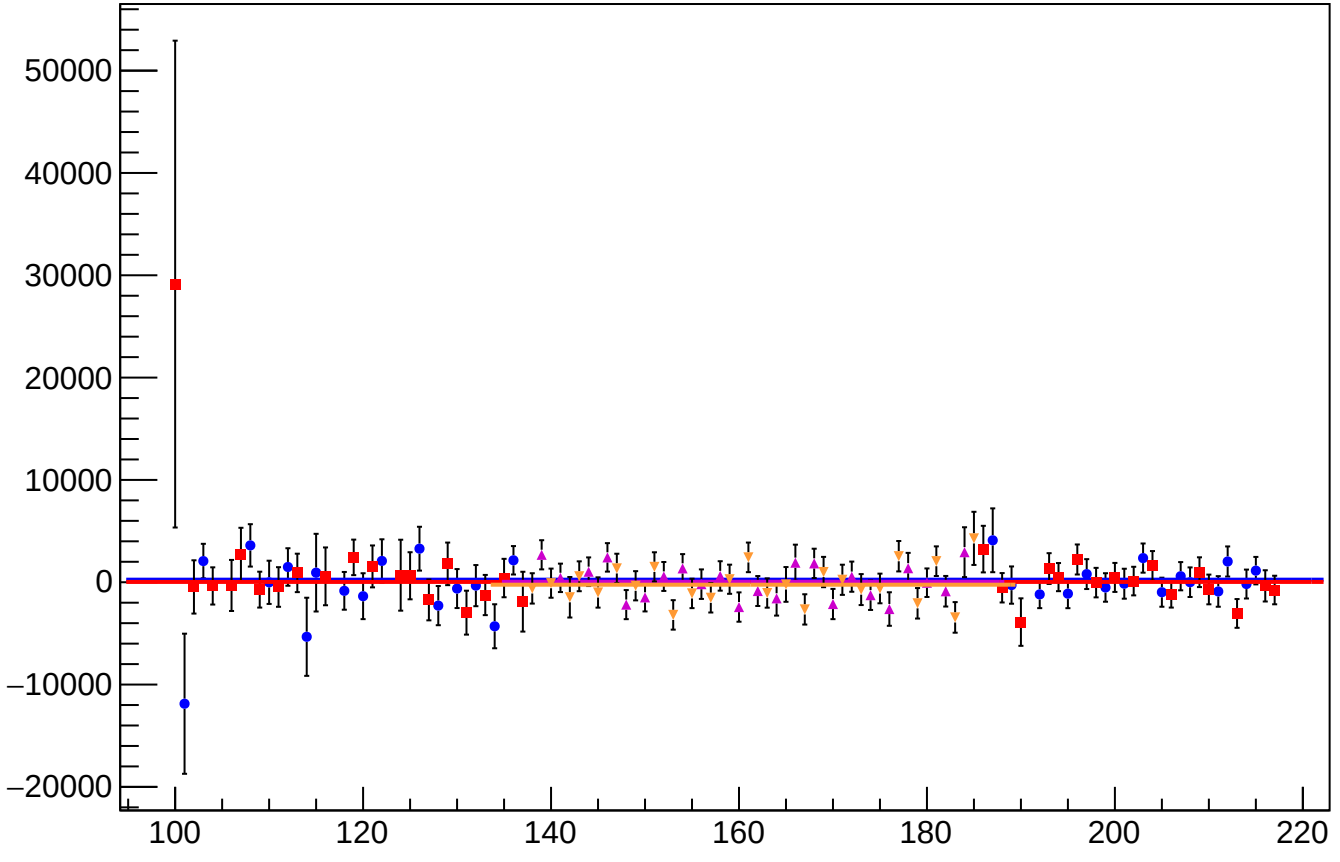
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 699.935+/-0.084 χ^2/NDF: 7242208.4/55

All: 716.689+/-0.061 χ^2/NDF: 14666300.0/11

- sign 735.085+/-0.088 χ^2/NDF: 7341227.3/57

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 251.040+/-307.237 χ^2/NDF: 31.4/30

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 31.075+/-298.514 χ^2/NDF: 26.2/34

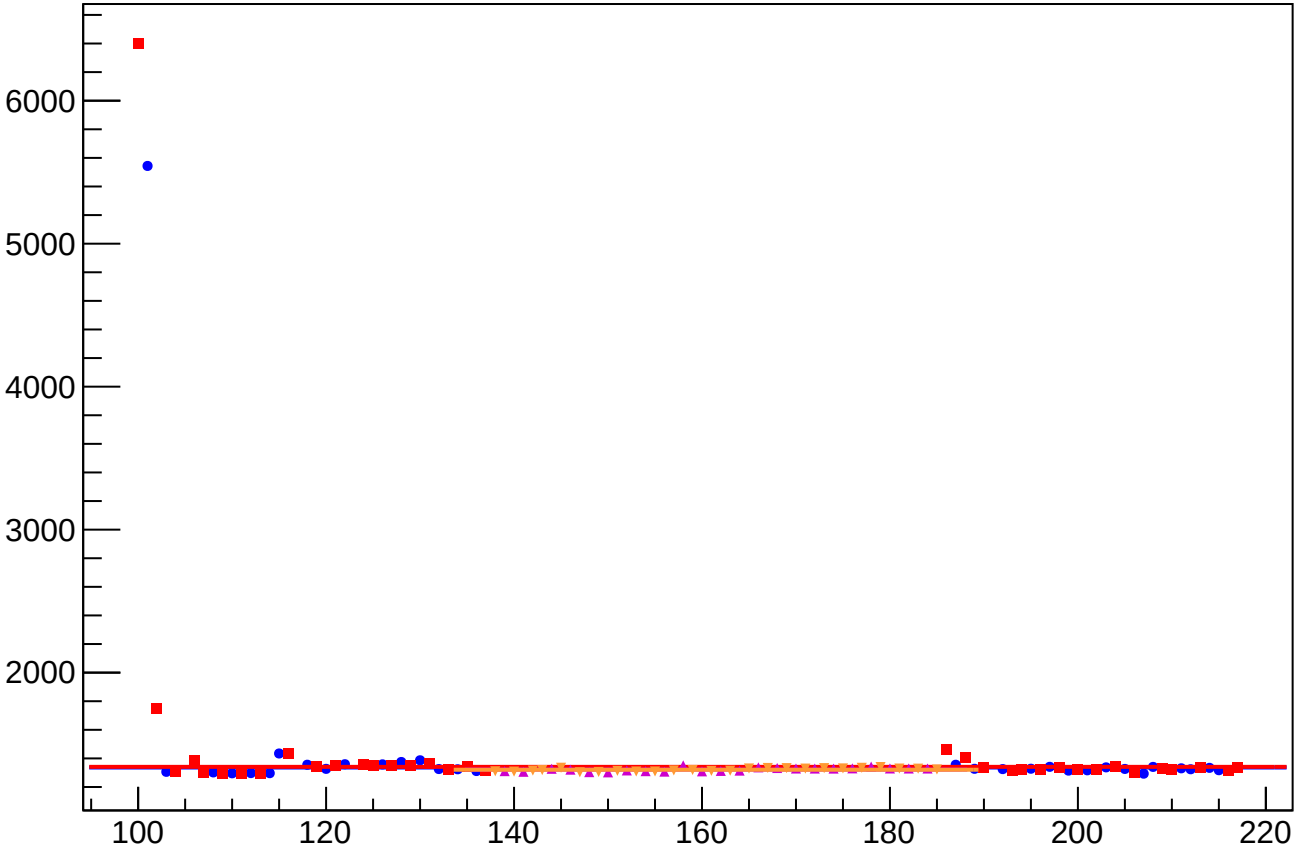
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -0.774+/-214.648 χ^2/NDF: 64.4/55

All: 17.120+/-151.750 χ^2/NDF: 117.7/113

- sign 34.999+/-214.566 χ^2/NDF: 53.3/57

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1336.427+/-0.217 χ^2/NDF: 767079.3/30

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

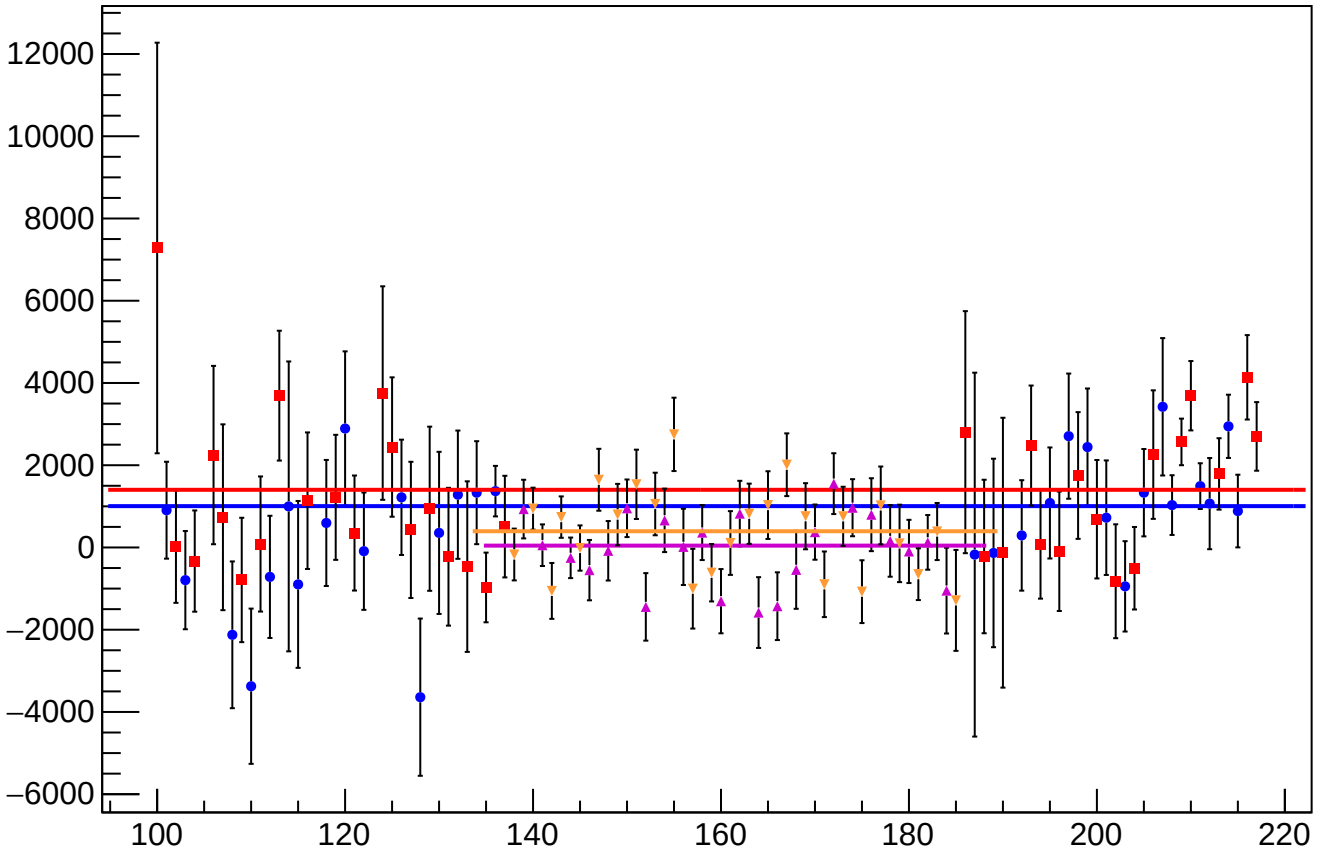
Right Out: 1340.937+/-0.211 χ^2/NDF: 163165.4/34

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.397+/-0.152 χ^2/NDF: 772350.4/55

All: 1330.038+/-0.107 χ^2/NDF: 943283.3/113

- sign 1331.679+/-0.152 χ^2/NDF: 170699.0/57



Right In: 1005.320+/-210.787 χ^2/NDF: 36.5/30

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

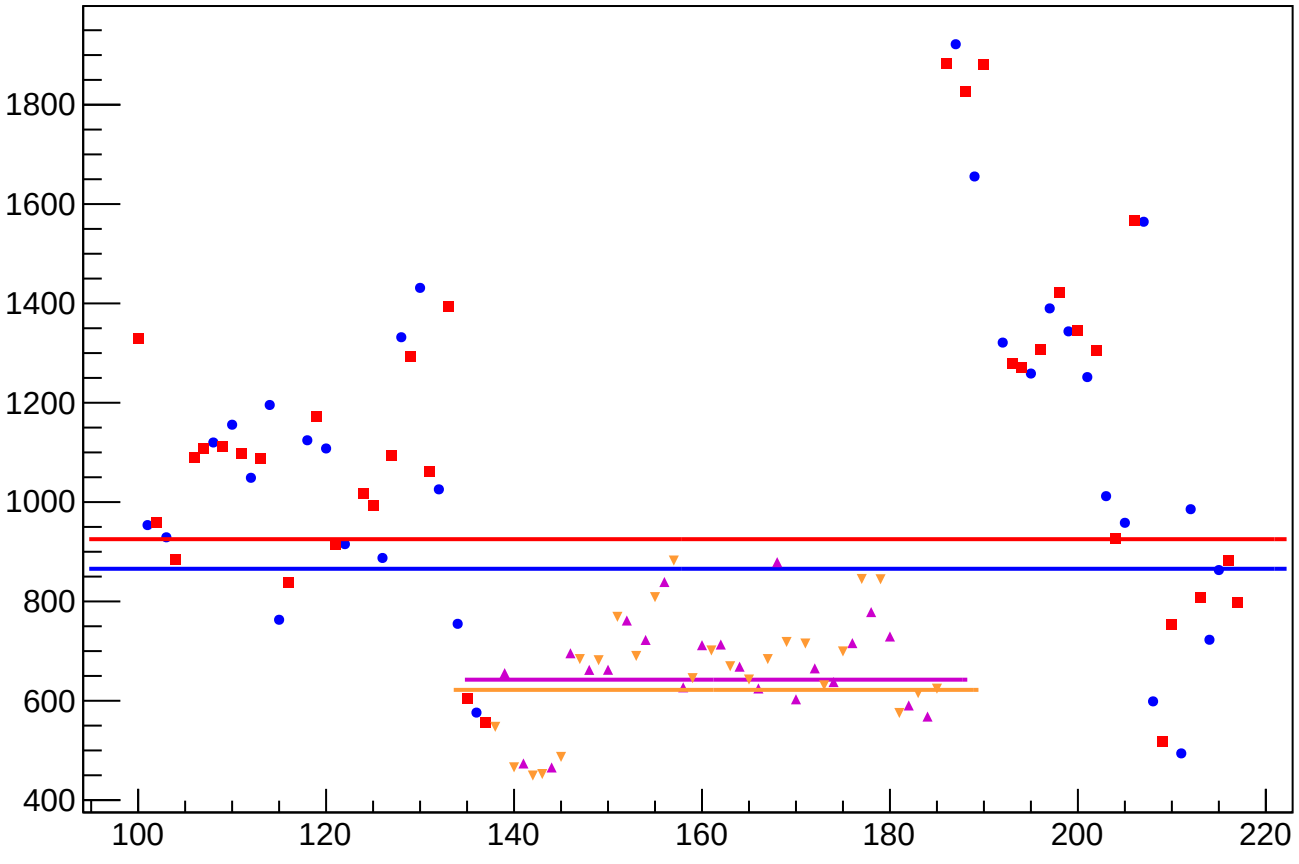
Right Out: 1402.486+/-218.325 χ^2/NDF: 53.7/34

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 589.909+/-119.218 χ^2/NDF: 84.1/55

All: 541.965+/-86.248 χ^2/NDF: 191.7/113

- sign 489.319+/-124.928 χ^2/NDF: 107.3/57



Right In: 865.739+/-0.149 χ^2/NDF: 4039345.1/30

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 925.338+/-0.154 χ^2/NDF: 4156743.9/34

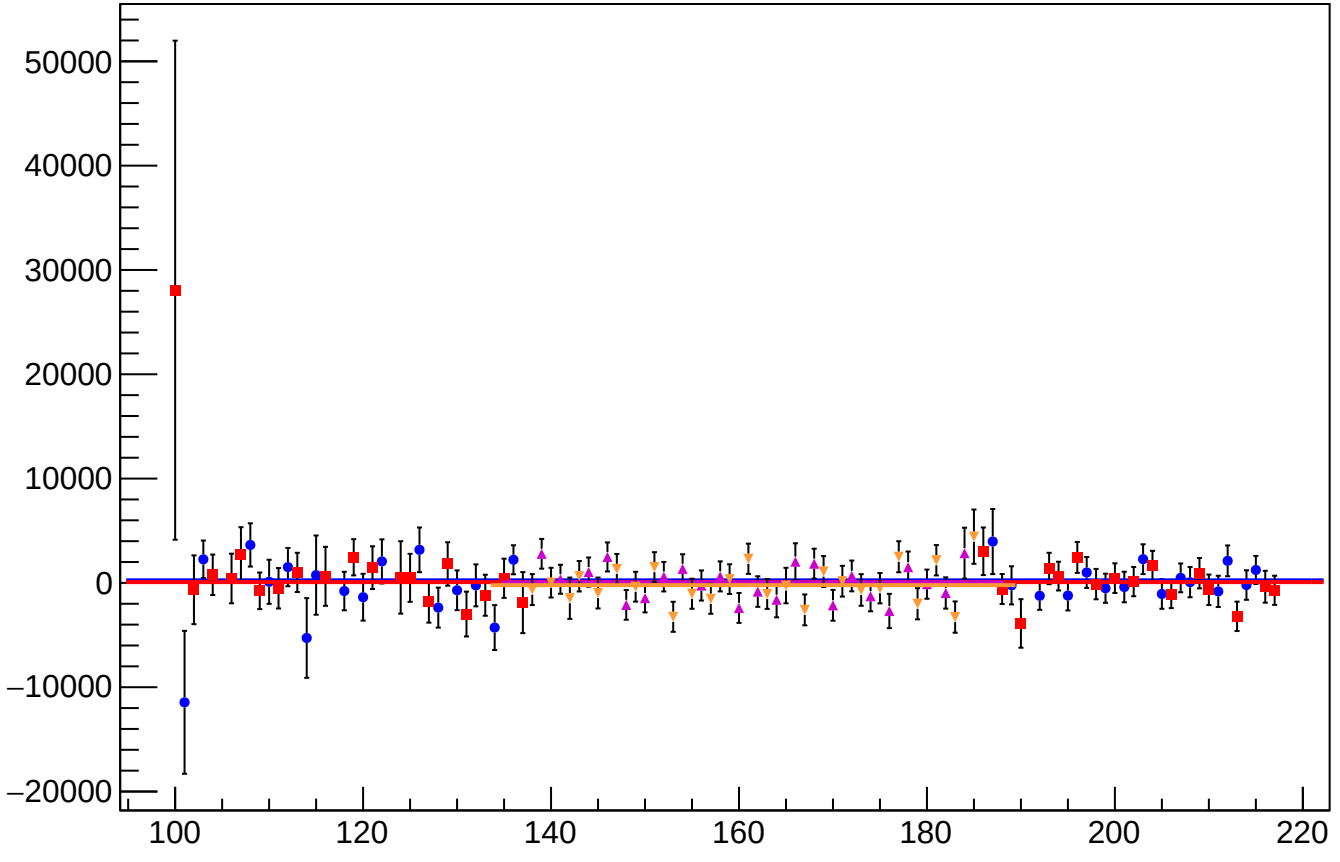
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 699.935+/-0.084 χ^2/NDF: 7242208.4/55

All: 716.689+/-0.061 χ^2/NDF: 14666300.0/11

- sign 735.085+/-0.088 χ^2/NDF: 7341227.3/57

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 244.449+/-308.502 χ^2/NDF: 31.6/30

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 76.320+/-300.273 χ^2/NDF: 26.8/34

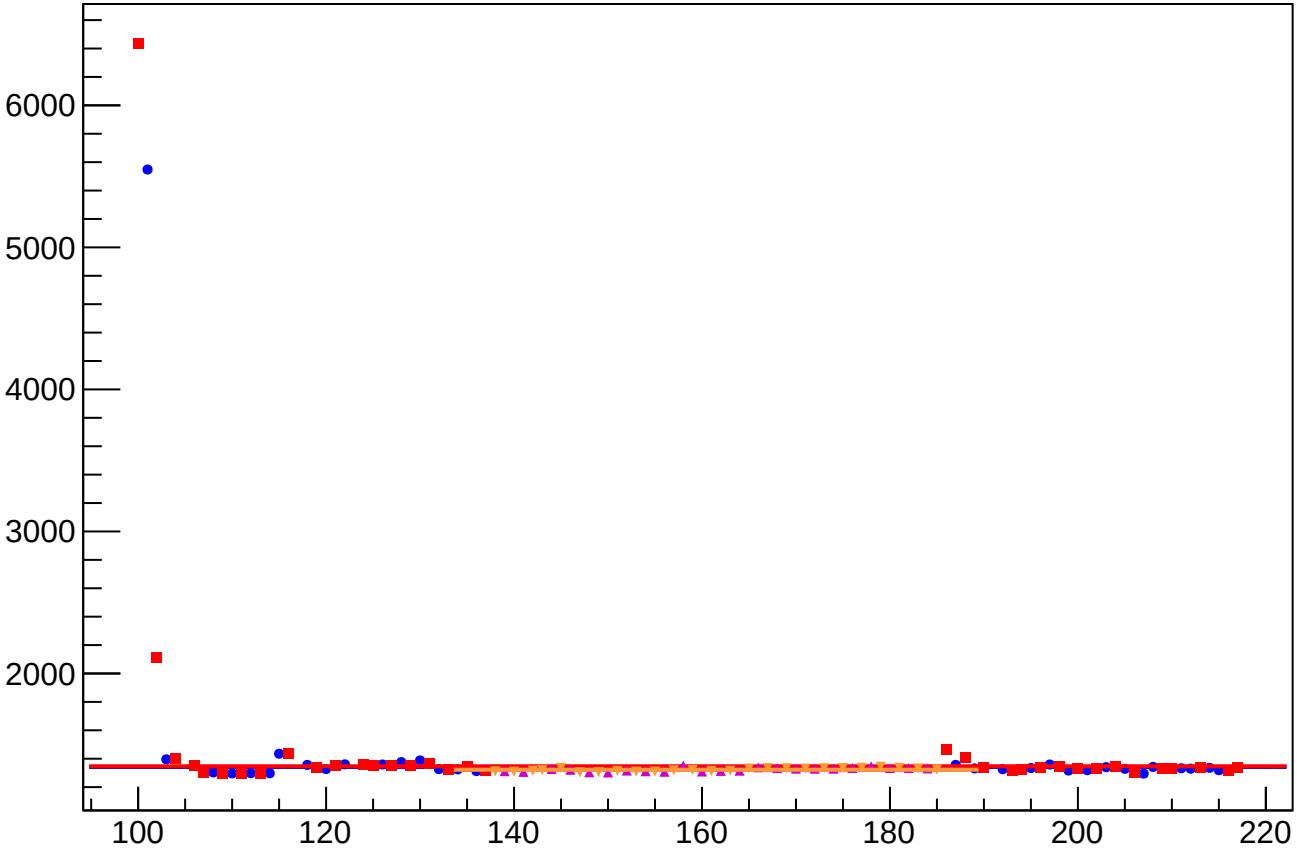
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 8.579+/-215.215 χ^2/NDF: 64.0/55

All: 36.101+/-152.224 χ^2/NDF: 118.7/113

- sign 63.655+/-215.340 χ^2/NDF: 54.7/57

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.885+/-0.218 χ^2/NDF: 768104.6/30

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1346.766+/-0.212 χ^2/NDF: 221467.9/34

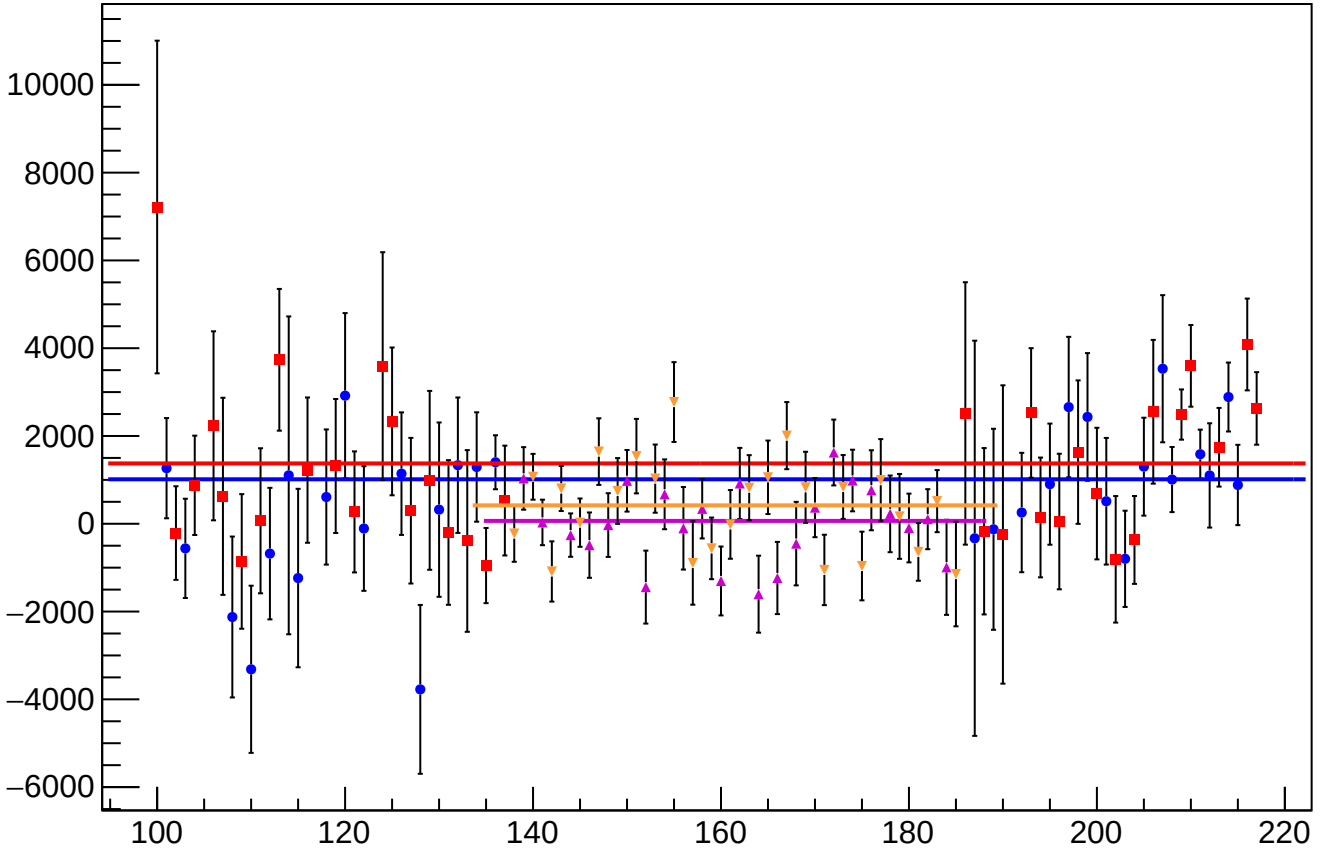
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.867+/-0.152 χ^2/NDF: 775145.3/55

All: 1333.626+/-0.108 χ^2/NDF: 1006650.4/11

- sign 1335.386+/-0.152 χ^2/NDF: 231237.8/57

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1013.475+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1374.727+/-219.558 χ^2/NDF: 49.5/34

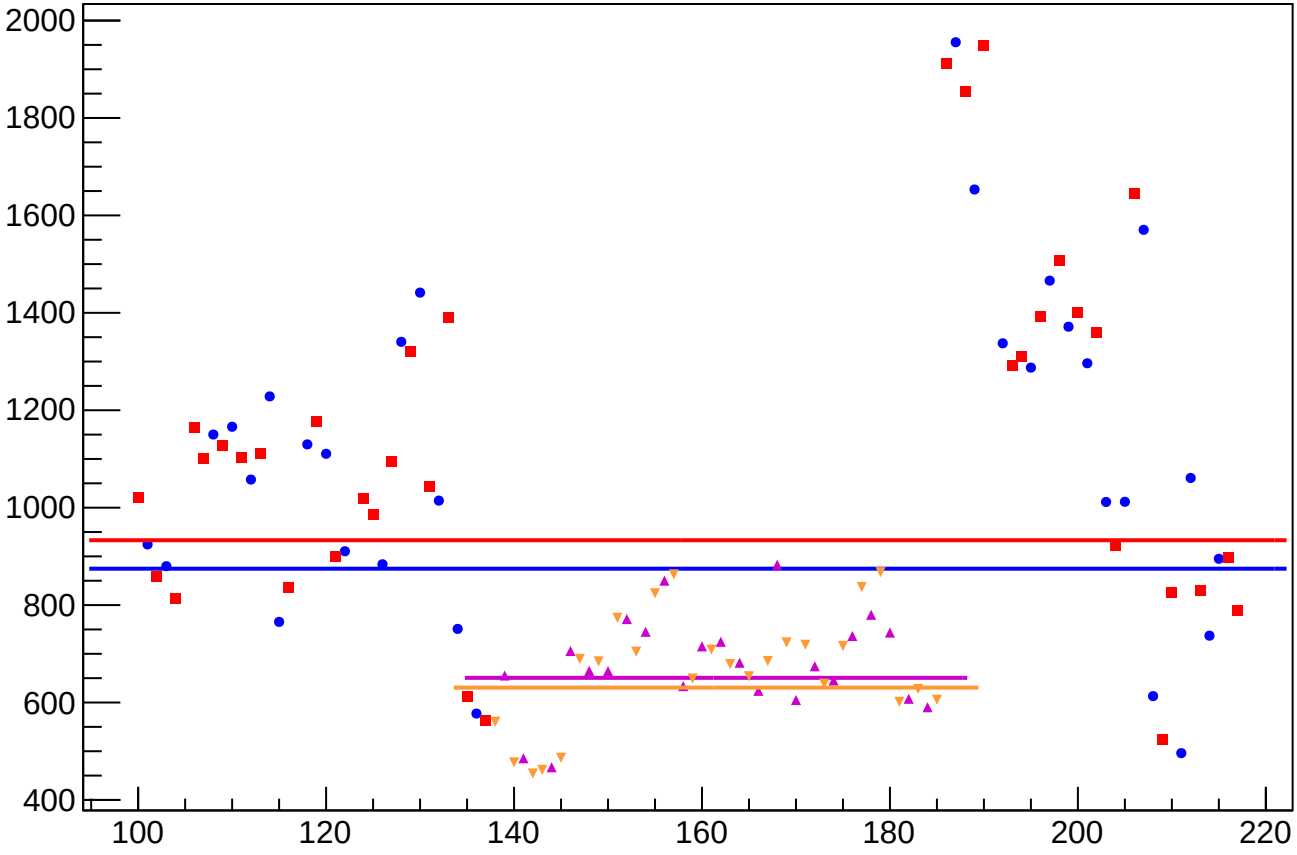
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 610.247+/-120.694 χ^2/NDF: 82.5/55

All: 556.623+/-87.225 χ^2/NDF: 183.3/113

- sign 497.994+/-126.201 χ^2/NDF: 100.4/57

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 874.753+/-0.151 χ^2/NDF: 4140203.8/30

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 933.143+/-0.155 χ^2/NDF: 4314288.5/34

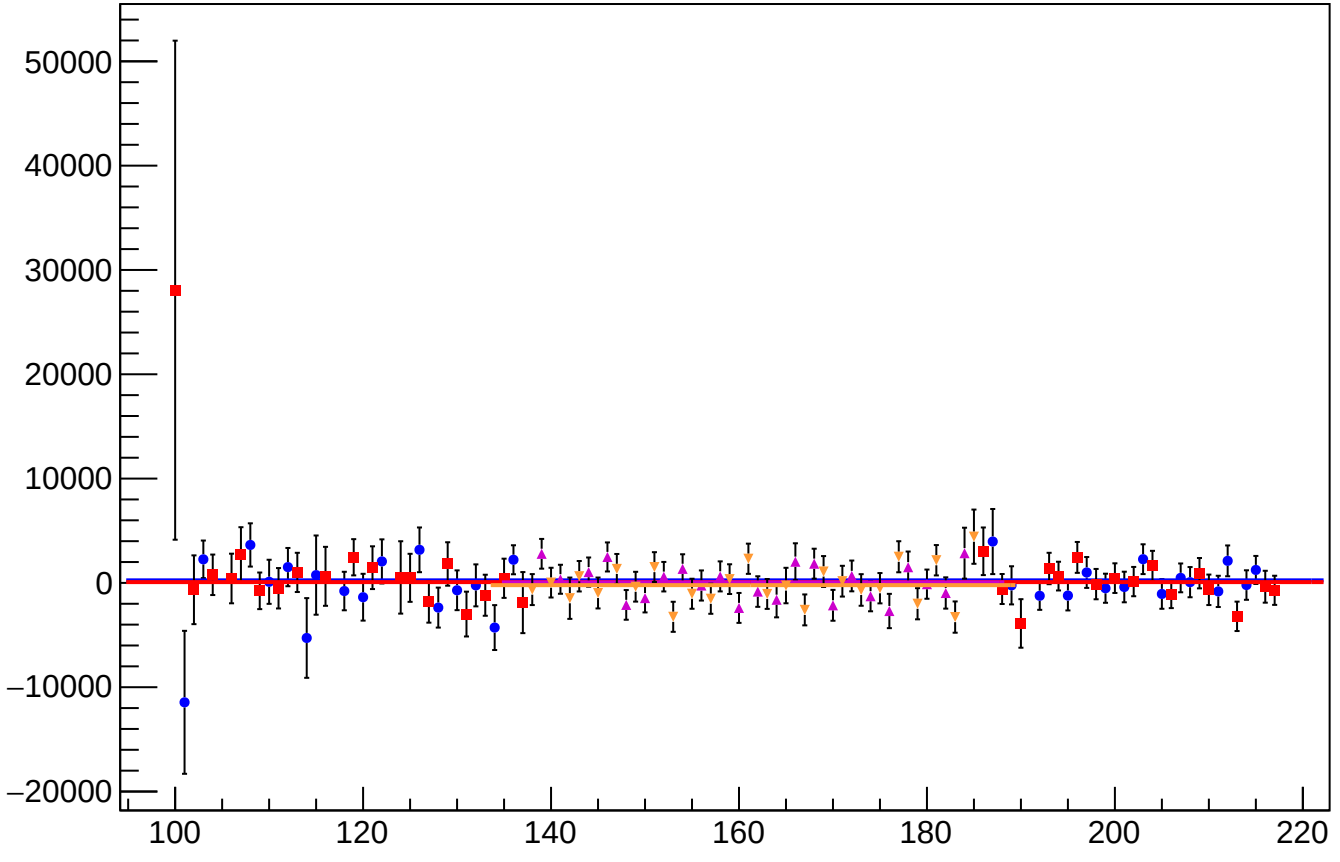
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 708.889+/-0.085 χ^2/NDF: 7251830.8/55

All: 725.650+/-0.062 χ^2/NDF: 14786161.7/11

- sign 743.975+/-0.089 χ^2/NDF: 7453594.6/57

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 244.449+/-308.502 χ^2/NDF: 31.6/30

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 76.318+/-300.273 χ^2/NDF: 26.8/34

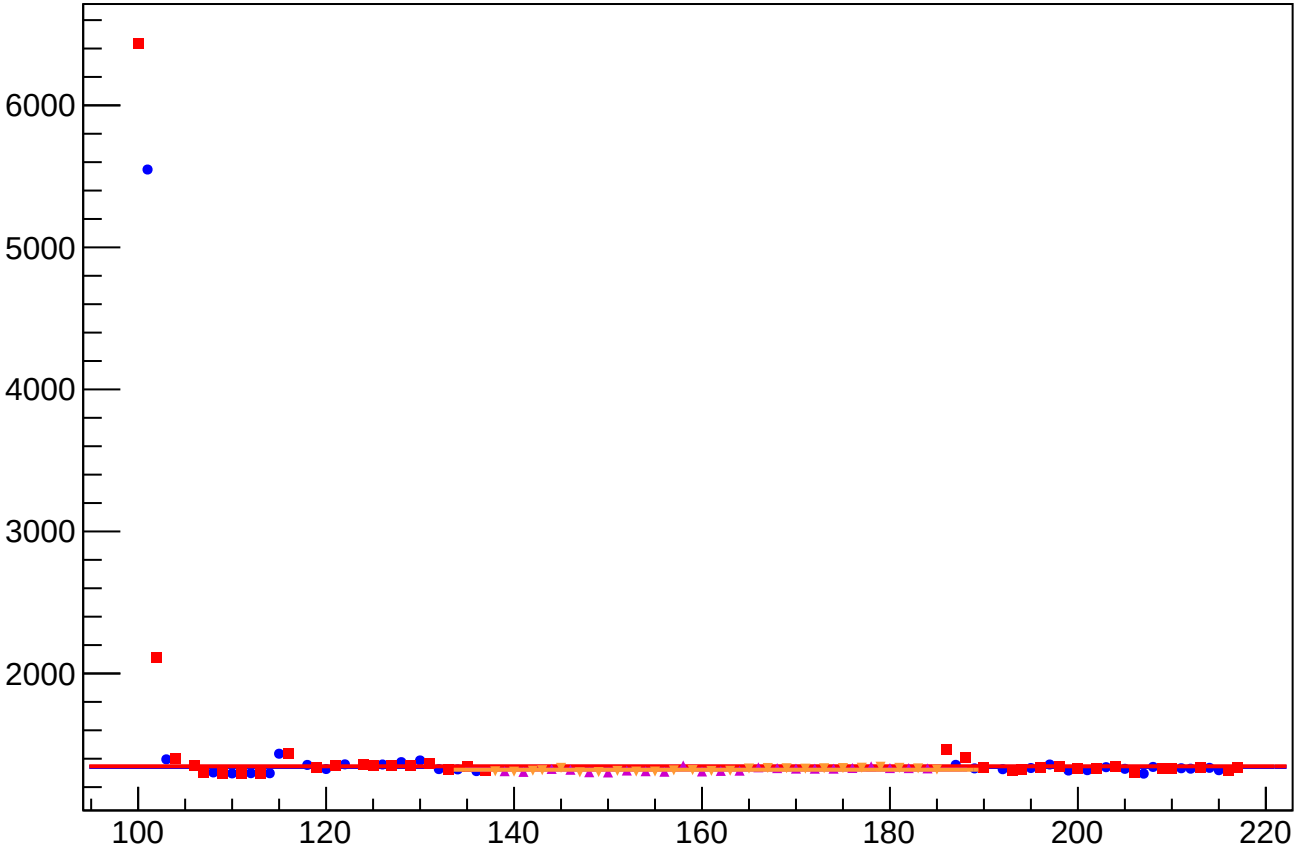
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 8.579+/-215.215 χ^2/NDF: 64.0/55

All: 36.100+/-152.224 χ^2/NDF: 118.7/113

- sign 63.654+/-215.340 χ^2/NDF: 54.7/57

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.885+/-0.218 χ^2/NDF: 768104.5/30

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

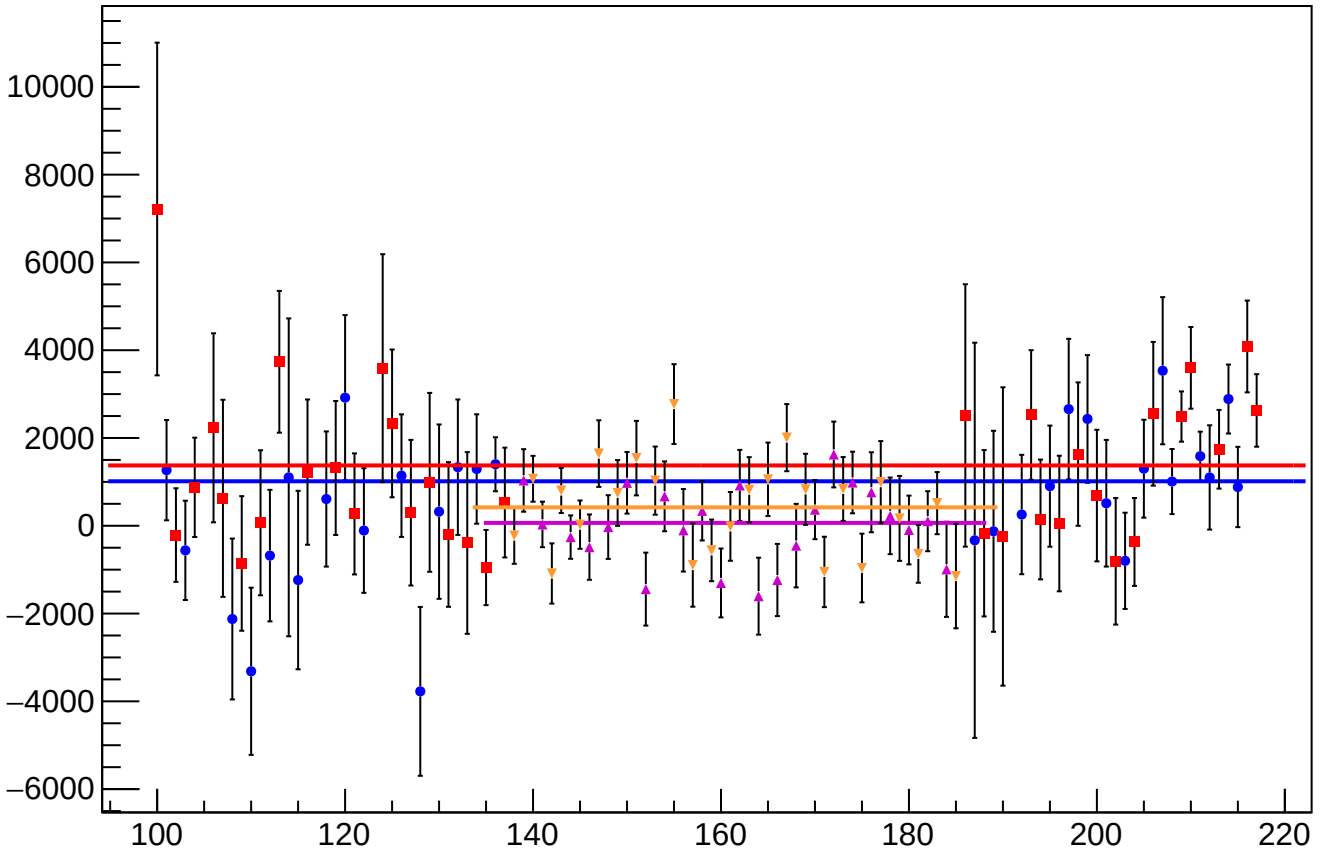
Right Out: 1346.766+/-0.212 χ^2/NDF: 221467.8/34

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.867+/-0.152 χ^2/NDF: 775145.2/55

All: 1333.626+/-0.108 χ^2/NDF: 1006650.2/11

- sign 1335.386+/-0.152 χ^2/NDF: 231237.7/57



Right In: 1013.472+/-213.132 χ^2/NDF: 35.7/30

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1374.726+/-219.557 χ^2/NDF: 49.5/34

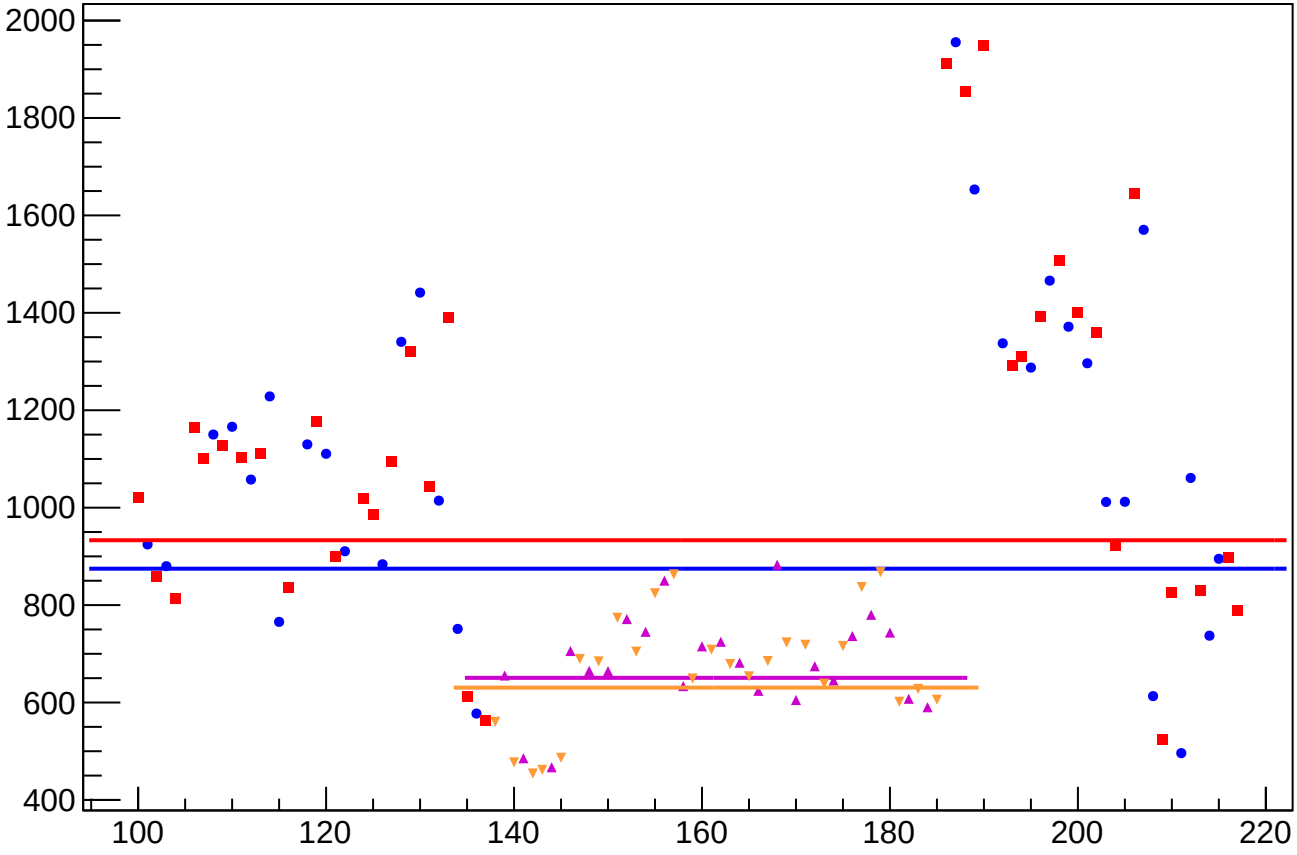
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 610.246+/-120.694 χ^2/NDF: 82.5/55

All: 556.624+/-87.225 χ^2/NDF: 183.3/113

- sign 497.996+/-126.201 χ^2/NDF: 100.4/57

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 874.753+/-0.151 χ^2/NDF: 4140197.6/30

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 933.141+/-0.155 χ^2/NDF: 4314315.1/34

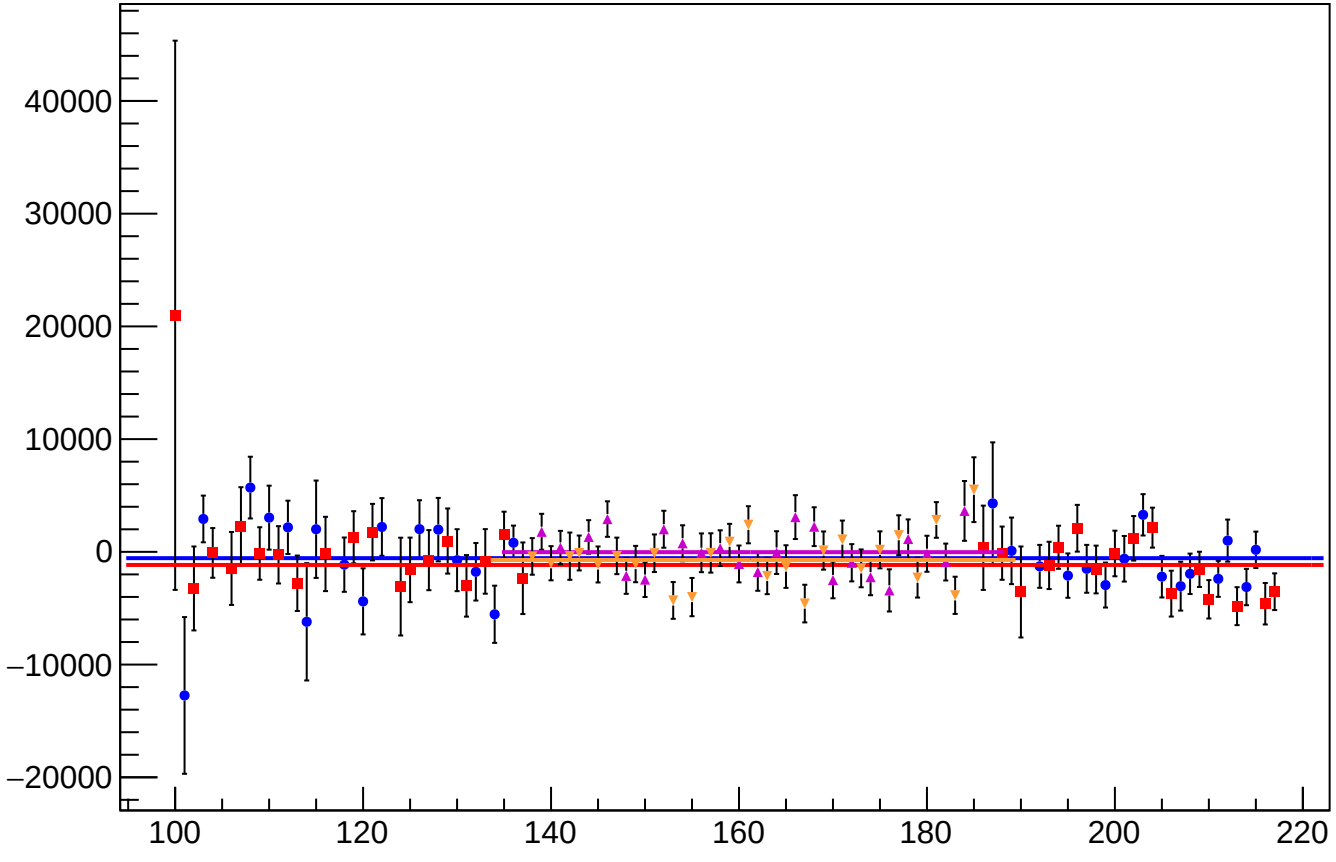
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 708.890+/-0.085 χ^2/NDF: 7251828.6/55

All: 725.650+/-0.062 χ^2/NDF: 14786148.1/11

- sign 743.975+/-0.089 χ^2/NDF: 7453582.8/57

asym_usr_atr1_dd_mean vs Slug



Right In: -559.966+/-397.287 χ^2/NDF: 40.3/30

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -1160.987+/-391.169 χ^2/NDF: 32.9/34

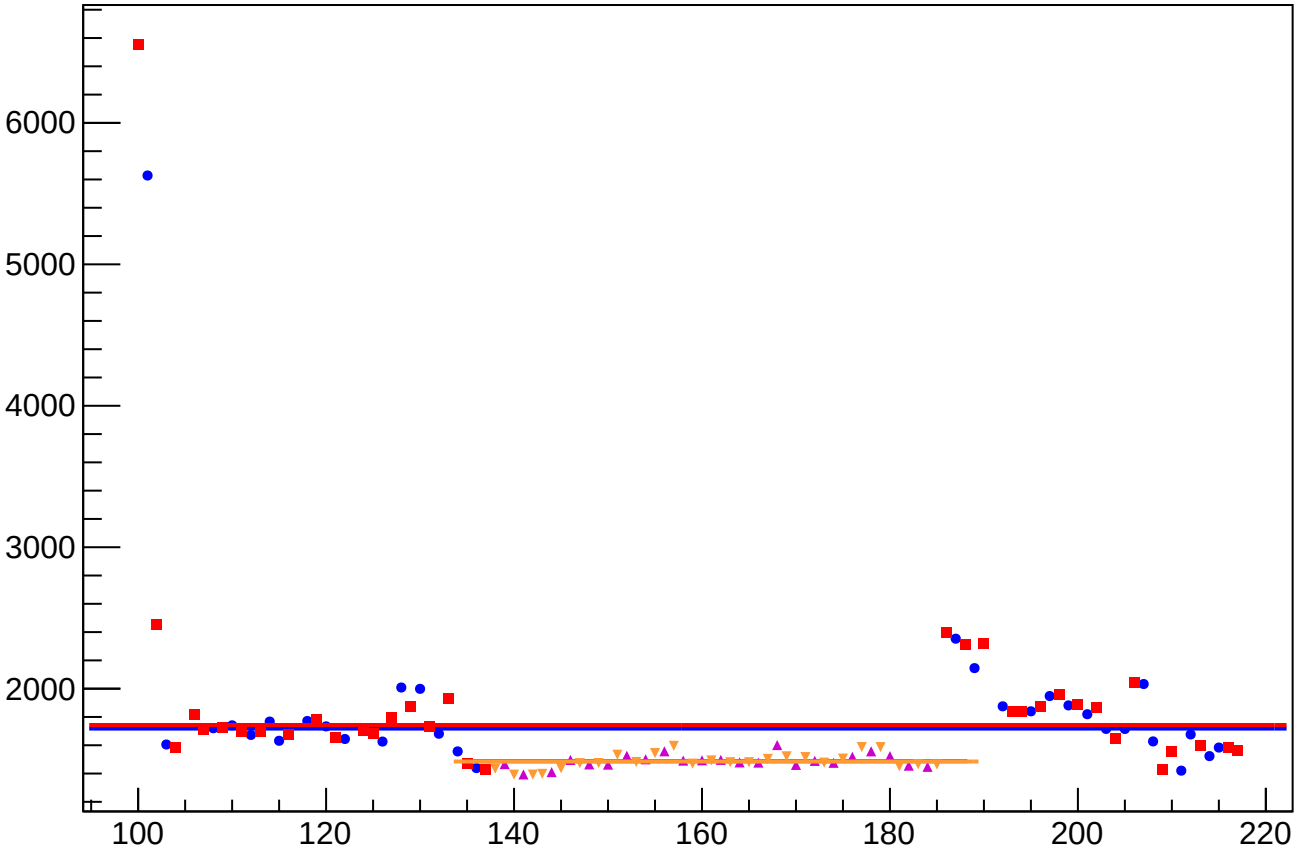
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -651.908+/-257.251 χ^2/NDF: 78.2/55

All: -590.227+/-182.783 χ^2/NDF: 143.9/113

- sign -527.338+/-259.757 χ^2/NDF: 65.6/57

asym_usr_atr1_dd_rms vs Slug



Right In: 1718.070+/-0.281 χ^2/NDF: 1057185.2/30

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

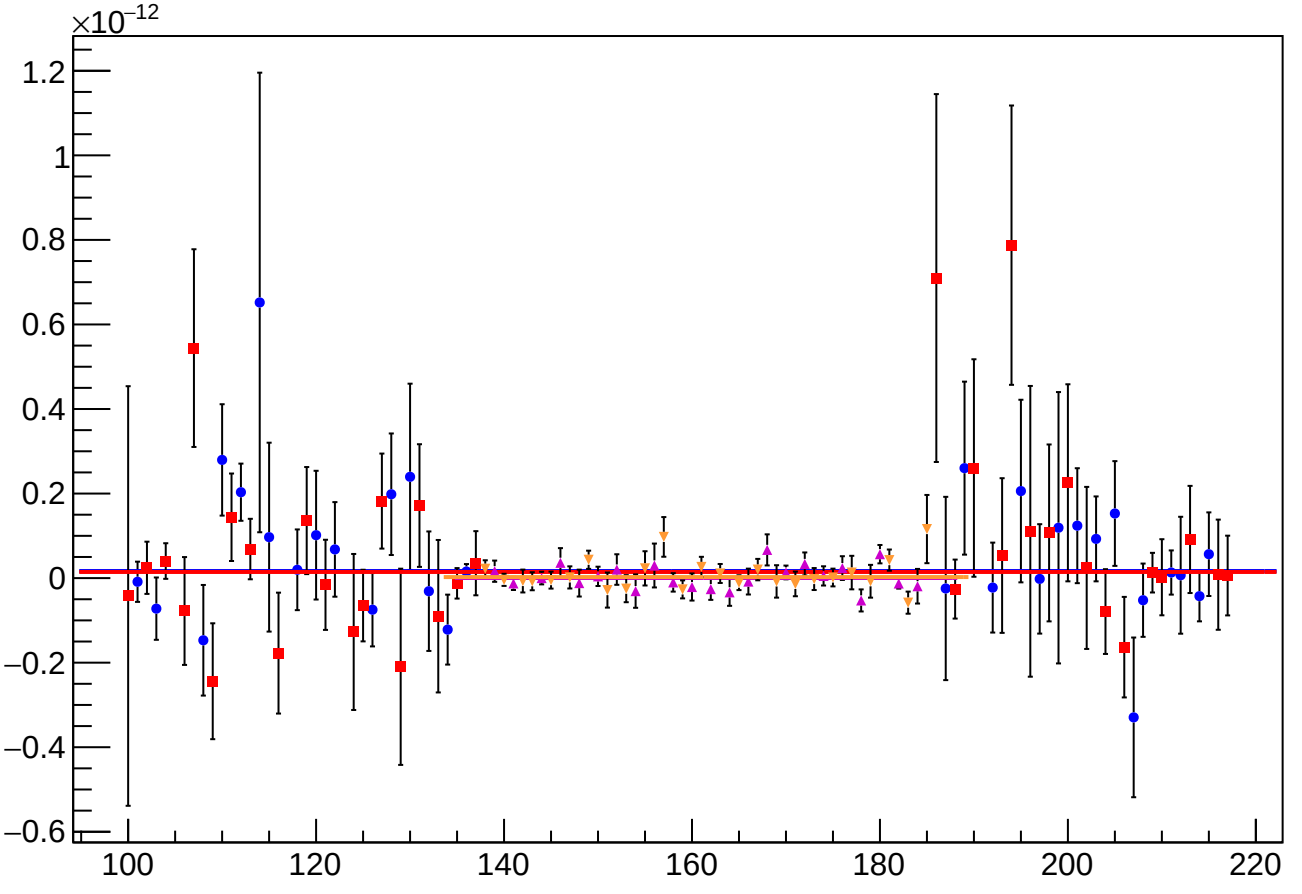
Right Out: 1743.191+/-0.277 χ^2/NDF: 720621.6/34

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.699+/-0.182 χ^2/NDF: 1507952.1/55

All: 1591.283+/-0.129 χ^2/NDF: 2747056.3/11

- sign 1600.035+/-0.184 χ^2/NDF: 1234606.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/34

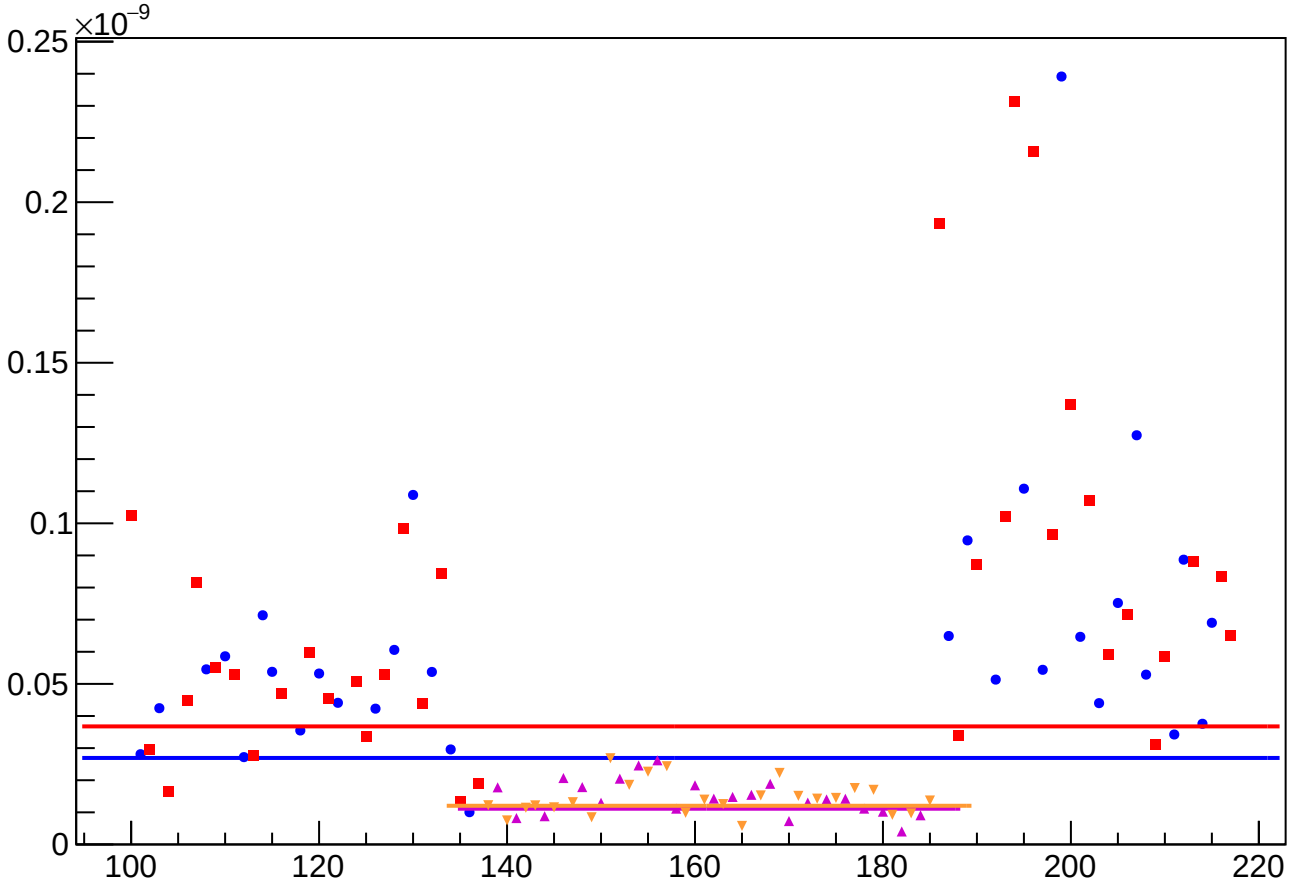
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.1/55

All: 0.000+/-0.000 χ^2/NDF: 121.3/113

- sign 0.000+/-0.000 χ^2/NDF: 60.9/57

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6598664.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

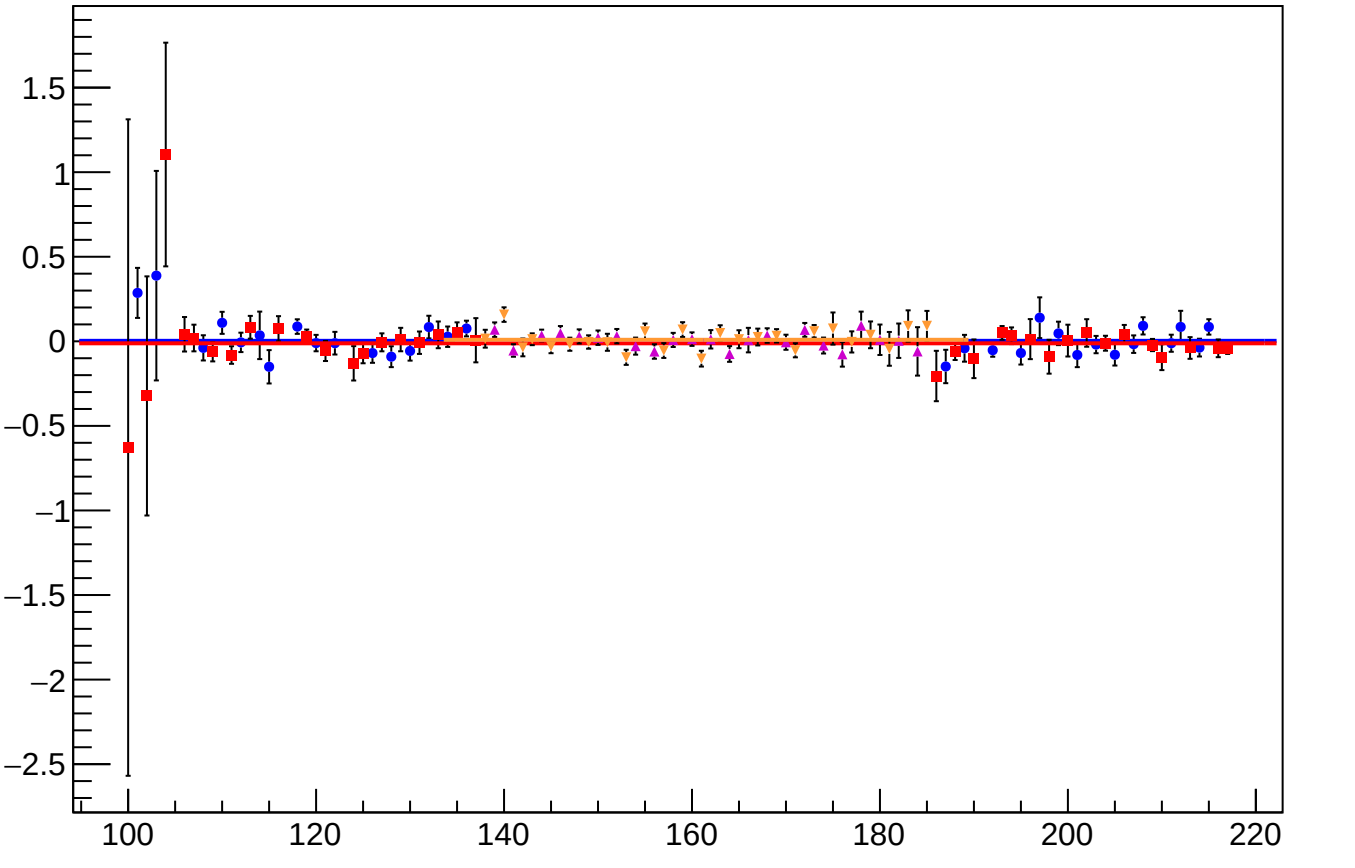
Right Out: 0.000+/-0.000 χ^2/NDF: 5938858.8/34

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10519370.6/55

All: 0.000+/-0.000 χ^2/NDF: 23563259.6/113

- sign 0.000+/-0.000 χ^2/NDF: 13022844.8/57



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

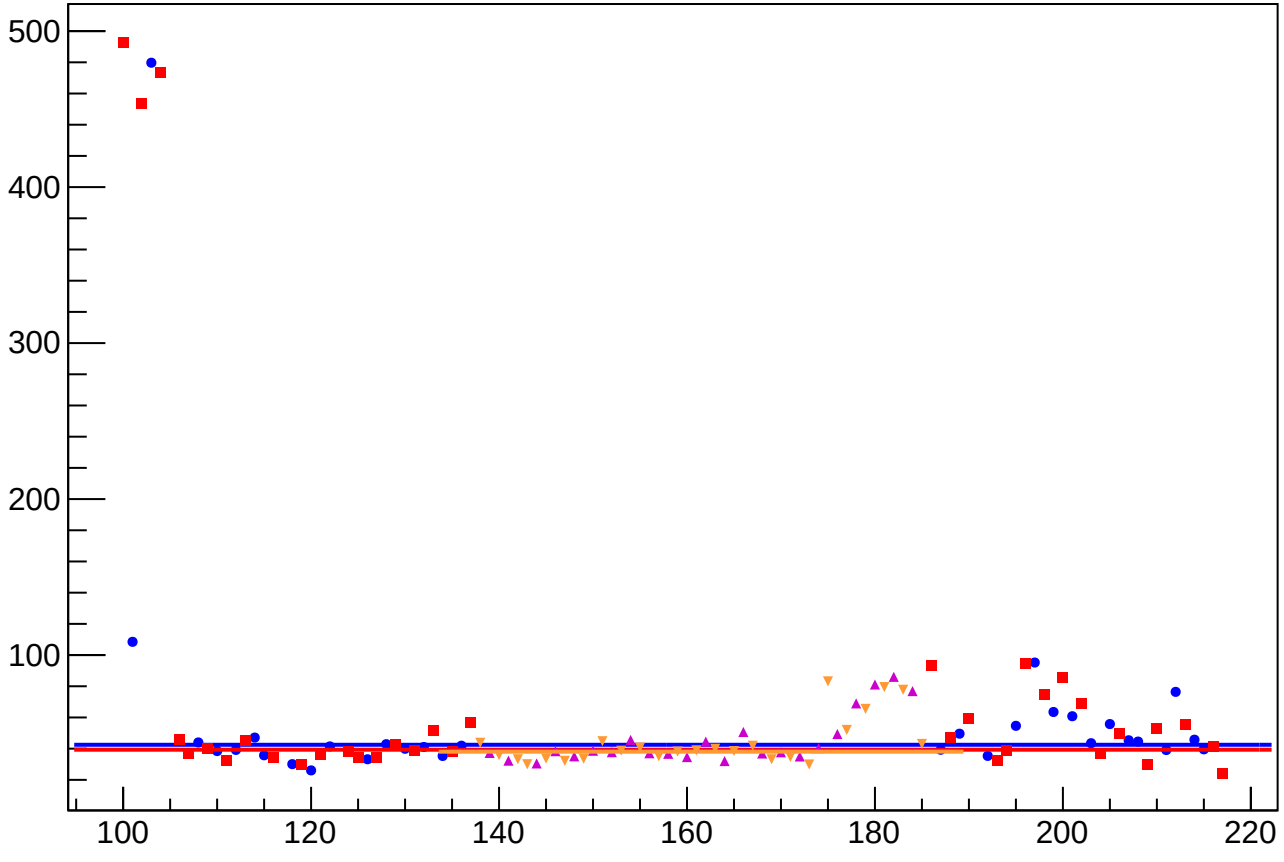
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.007 χ^2/NDF: 79.9/55

All: 0.002+/-0.005 χ^2/NDF: 127.5/113

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.491+/-0.008 χ^2/NDF: 3123231.7/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

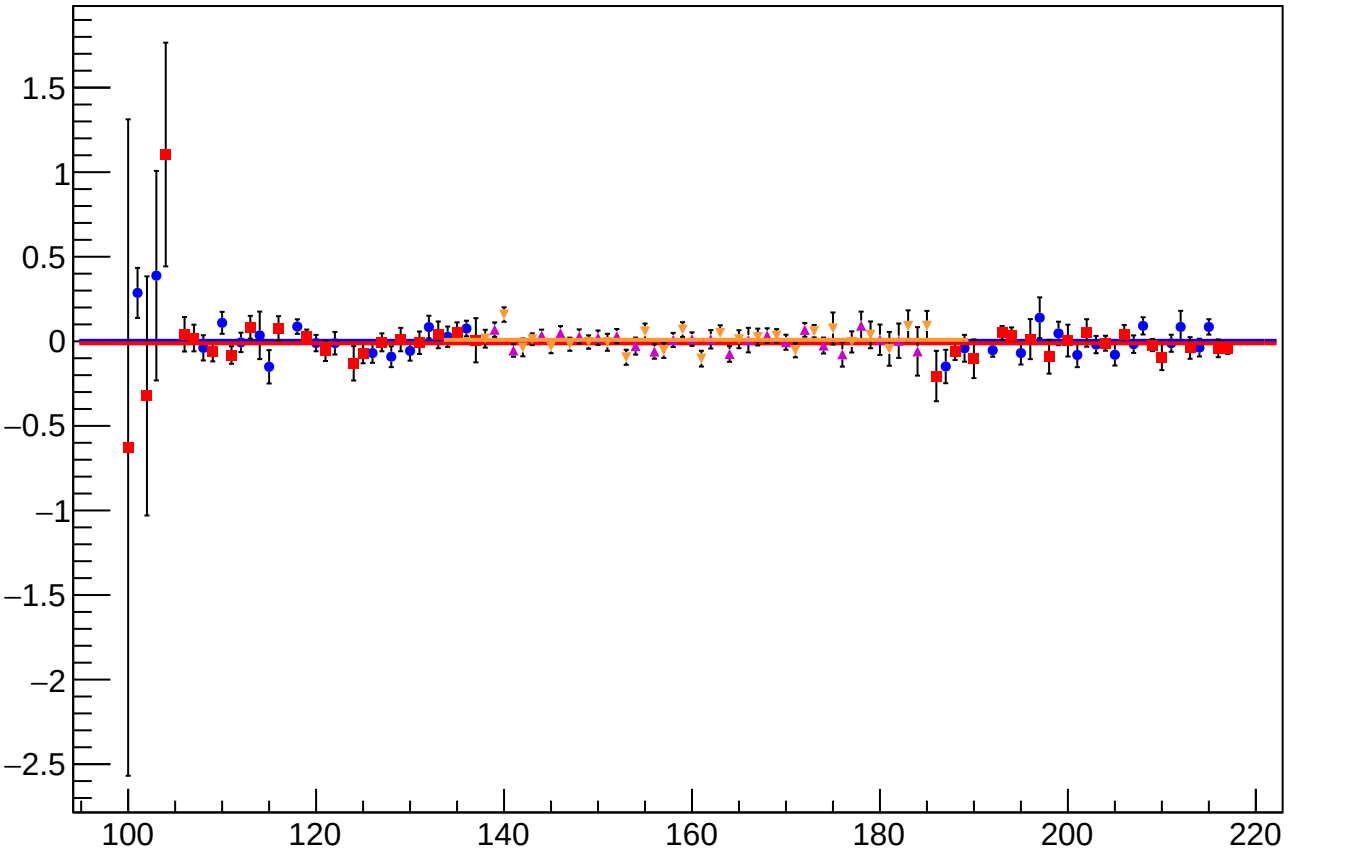
Right Out: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.975+/-0.005 χ^2/NDF: 5274678.6/55

All: 39.466+/-0.004 χ^2/NDF: 11742614.0/113

- sign 38.962+/-0.005 χ^2/NDF: 6448123.3/57



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

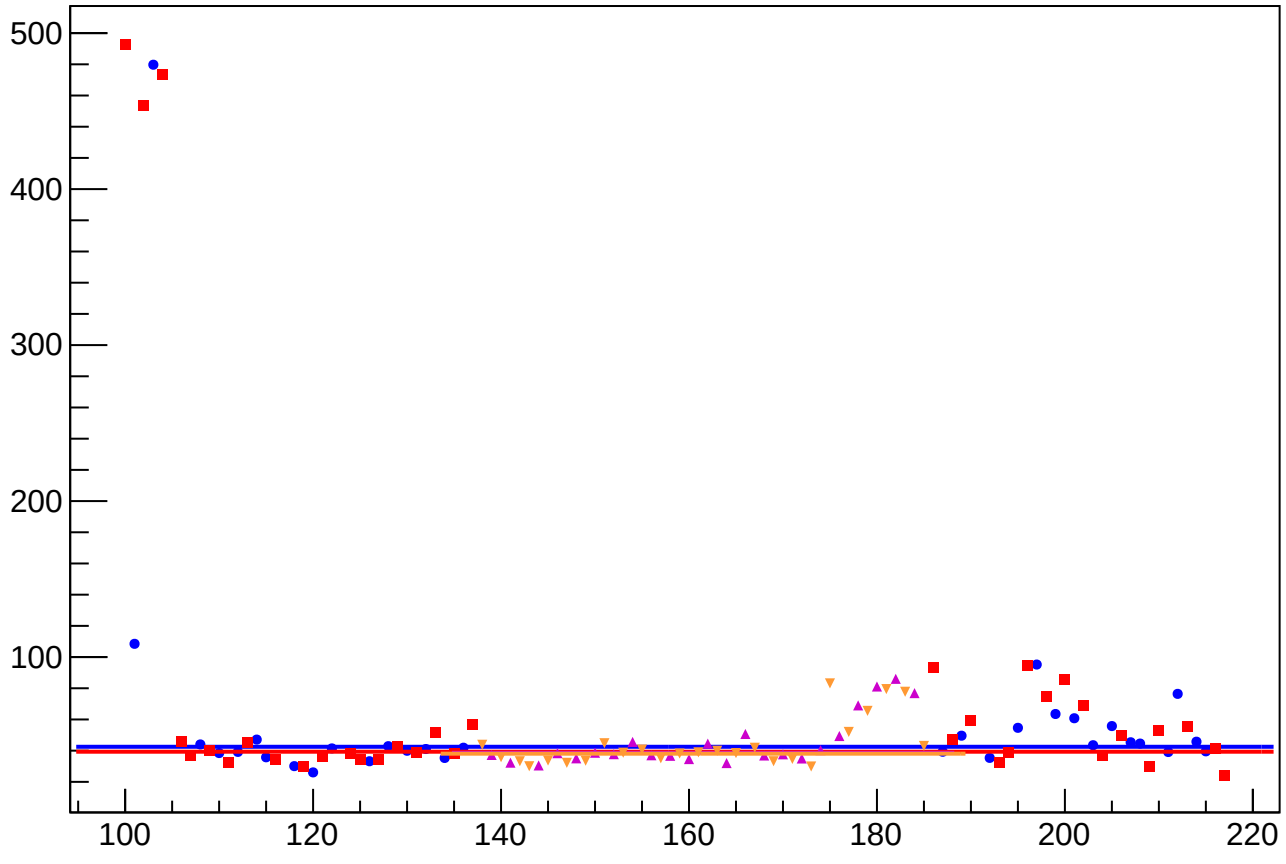
Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.007 χ^2/NDF: 79.9/55

All: 0.002+/-0.005 χ^2/NDF: 127.5/113

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57



Right In: 42.491+/-0.008 χ^2/NDF: 3123231.7/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

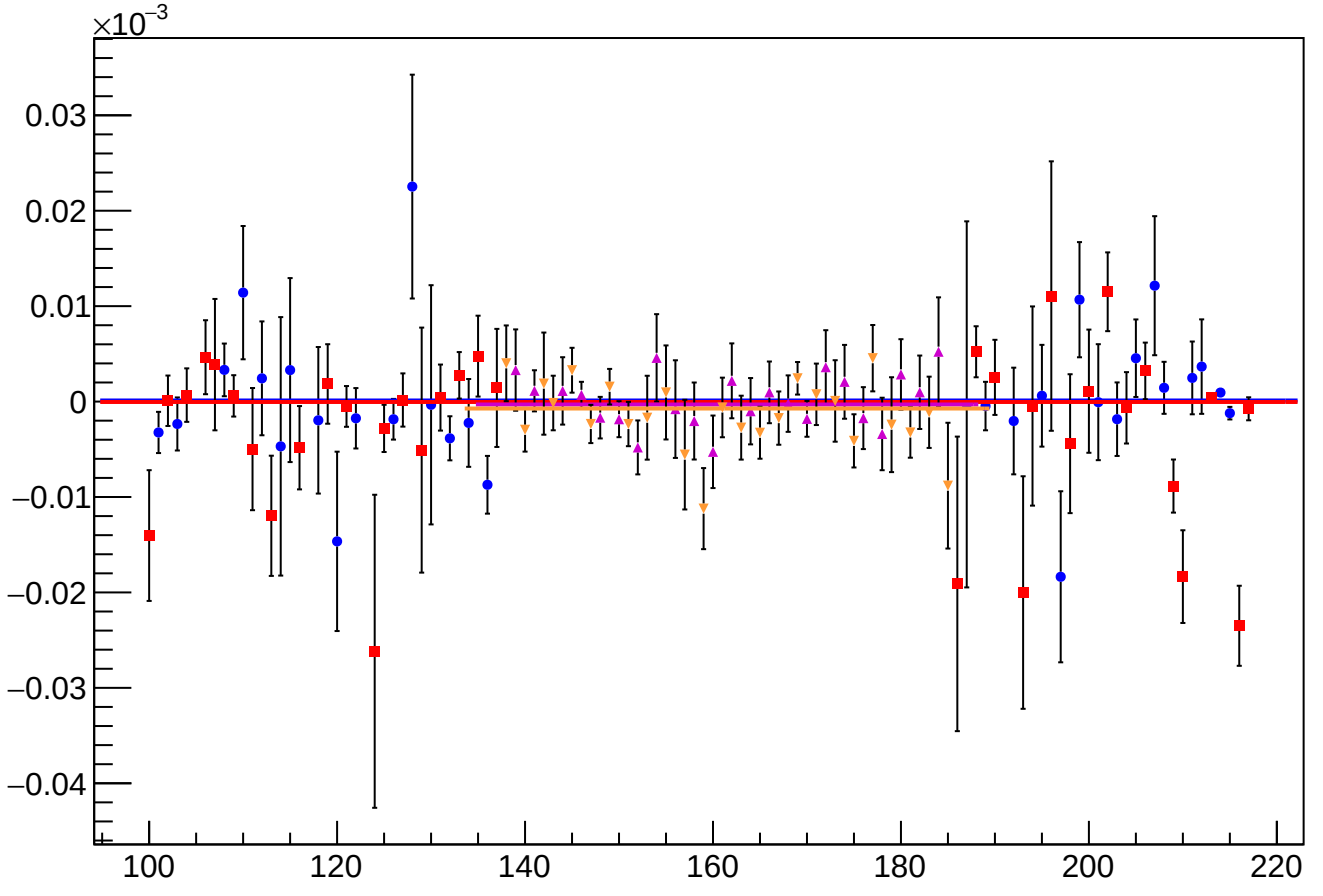
Right Out: 39.329+/-0.007 χ^2/NDF: 4715732.6/34

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.975+/-0.005 χ^2/NDF: 5274678.6/55

All: 39.466+/-0.004 χ^2/NDF: 11742614.0/113

- sign 38.962+/-0.005 χ^2/NDF: 6448123.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.9/34

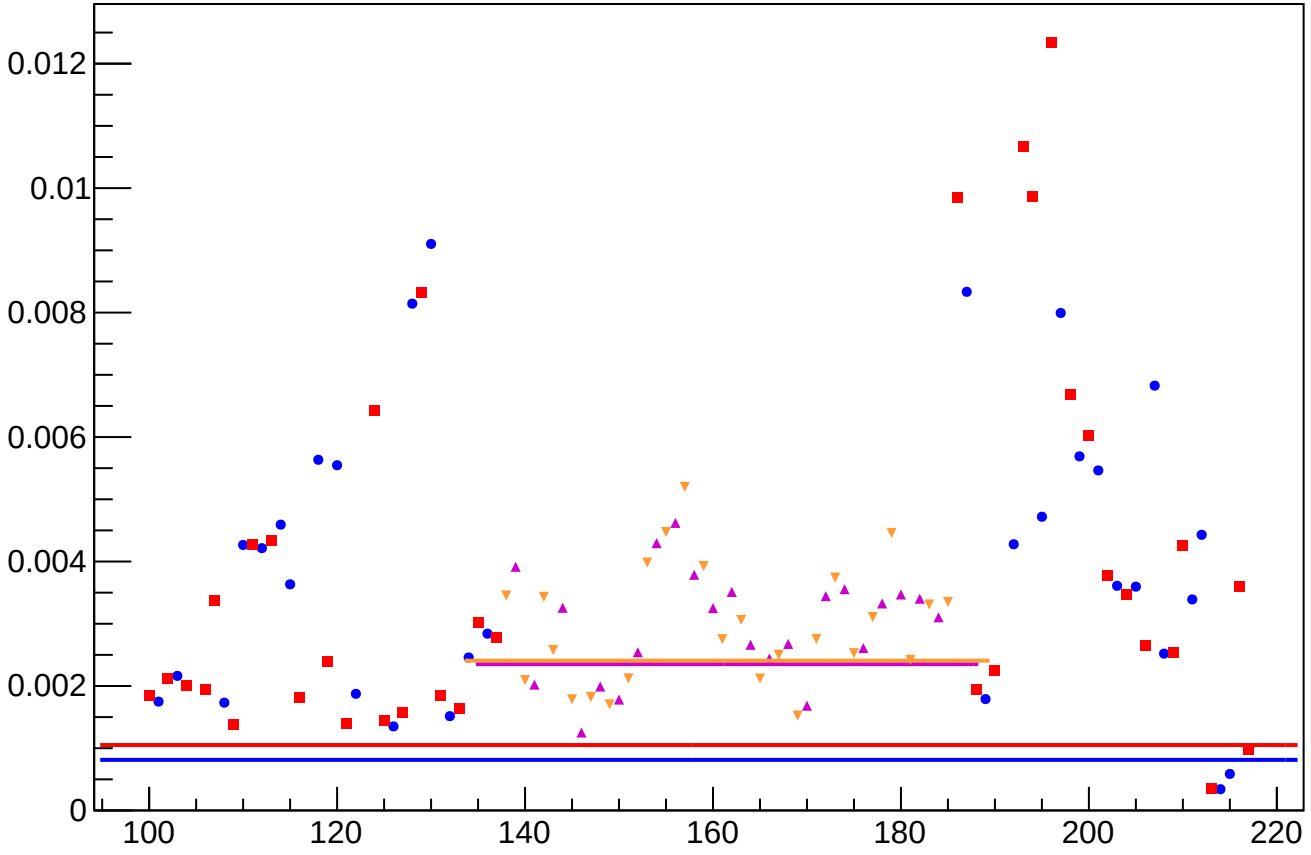
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.0/55

All: -0.000+/-0.000 χ^2/NDF: 183.7/113

- sign -0.000+/-0.000 χ^2/NDF: 107.8/57

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 22461916.2/30

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

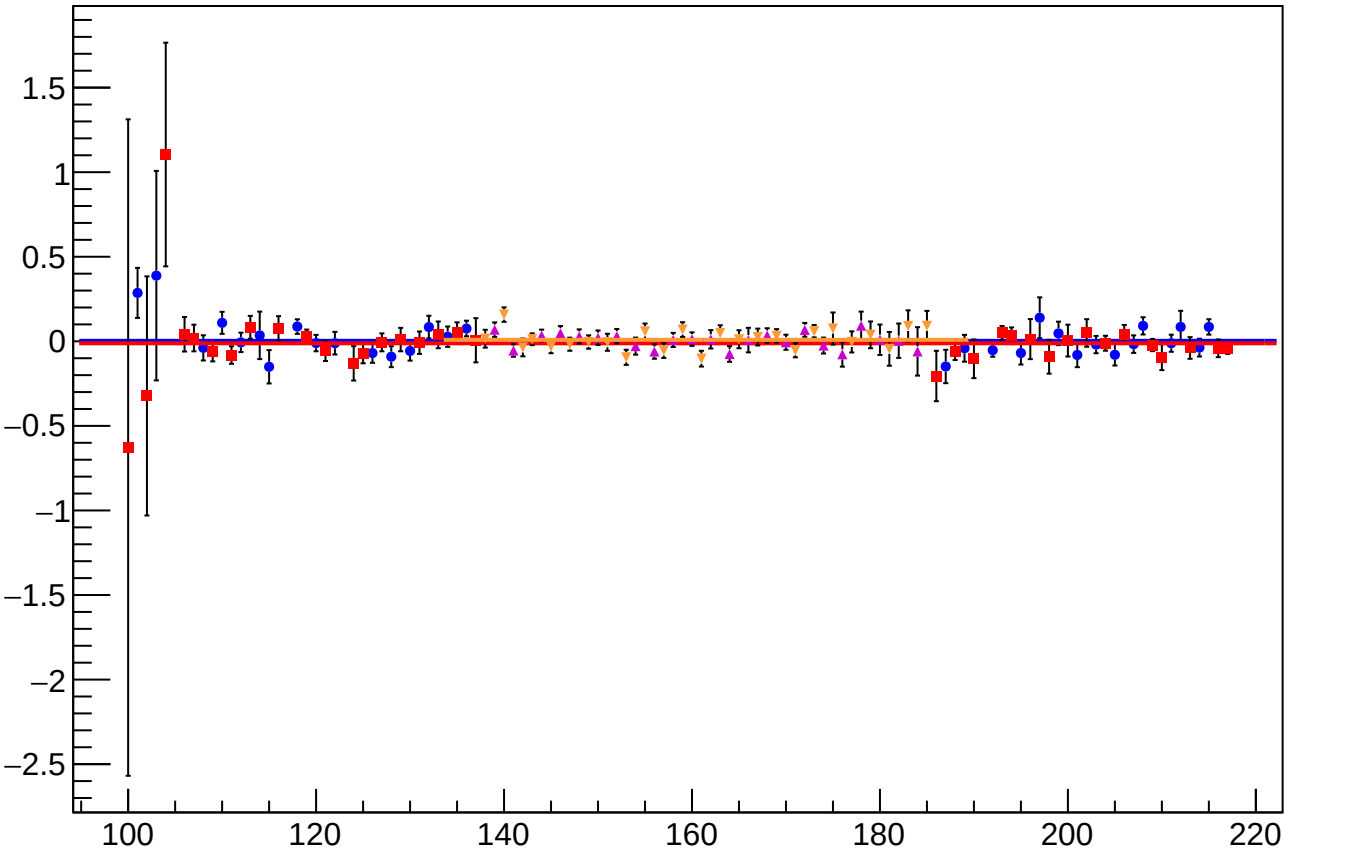
Right Out: 0.001+/-0.000 χ^2/NDF: 20138742.7/34

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

\+ sign 0.001+/-0.000 χ^2/NDF: 37764622.4/55

All: 0.001+/-0.000 χ^2/NDF: 69938121.2/113

\- sign 0.001+/-0.000 χ^2/NDF: 31455647.8/57



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

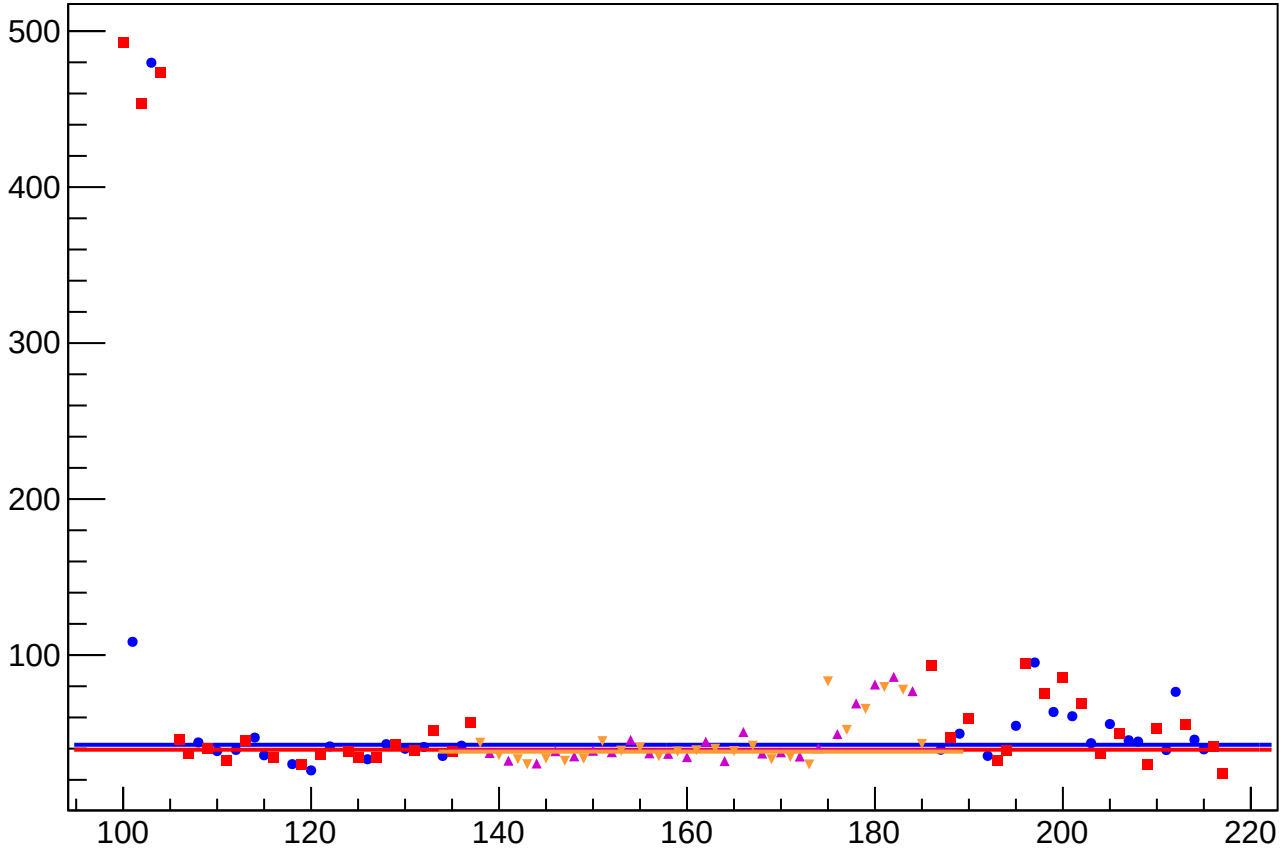
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.007 χ^2/NDF: 79.9/55

All: 0.002+/-0.005 χ^2/NDF: 127.5/113

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.490+/-0.008 χ^2/NDF: 3123460.6/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

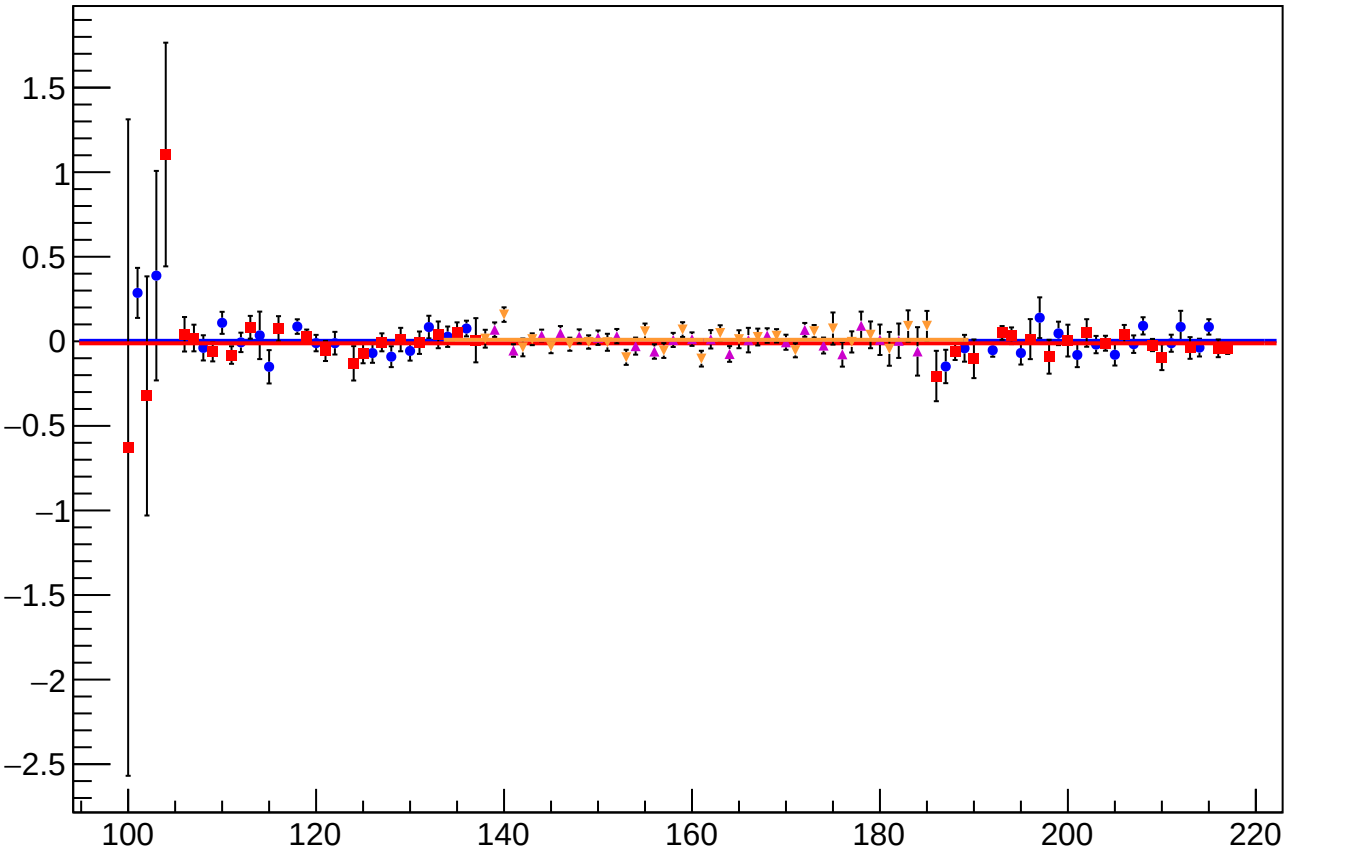
Right Out: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.975+/-0.005 χ^2/NDF: 5274874.3/55

All: 39.465+/-0.004 χ^2/NDF: 11743377.7/113

- sign 38.961+/-0.005 χ^2/NDF: 6448647.3/57



Right In: 0.003+/-0.011 χ^2/NDF: 41.1/30

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

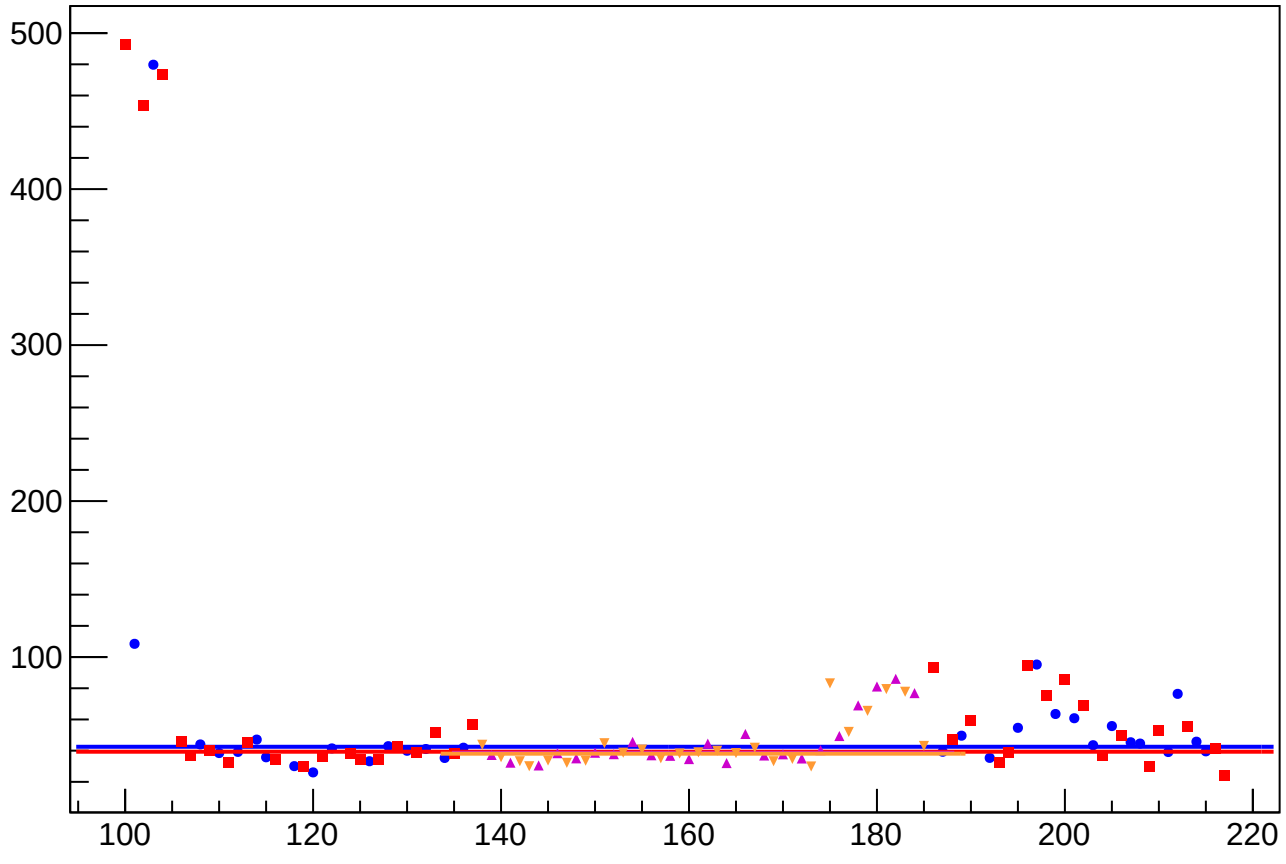
Right Out: -0.012+/-0.010 χ^2/NDF: 26.3/34

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.006+/-0.007 χ^2/NDF: 79.9/55

All: 0.002+/-0.005 χ^2/NDF: 127.5/113

- sign -0.001+/-0.007 χ^2/NDF: 47.0/57



Right In: 42.490+/-0.008 χ^2/NDF: 3123460.6/30

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

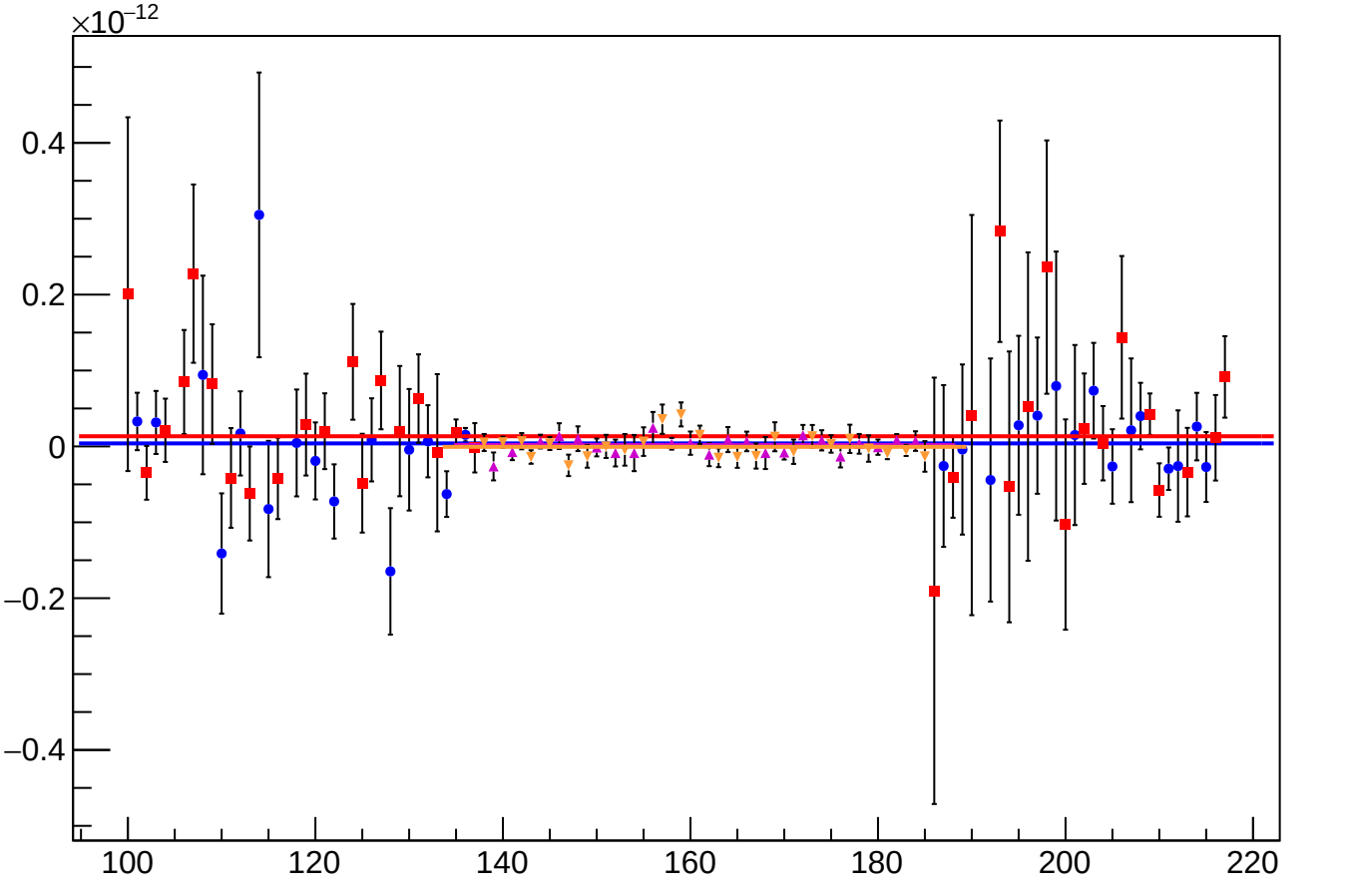
Right Out: 39.326+/-0.007 χ^2/NDF: 4716253.1/34

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.975+/-0.005 χ^2/NDF: 5274874.3/55

All: 39.465+/-0.004 χ^2/NDF: 11743377.7/113

- sign 38.961+/-0.005 χ^2/NDF: 6448647.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

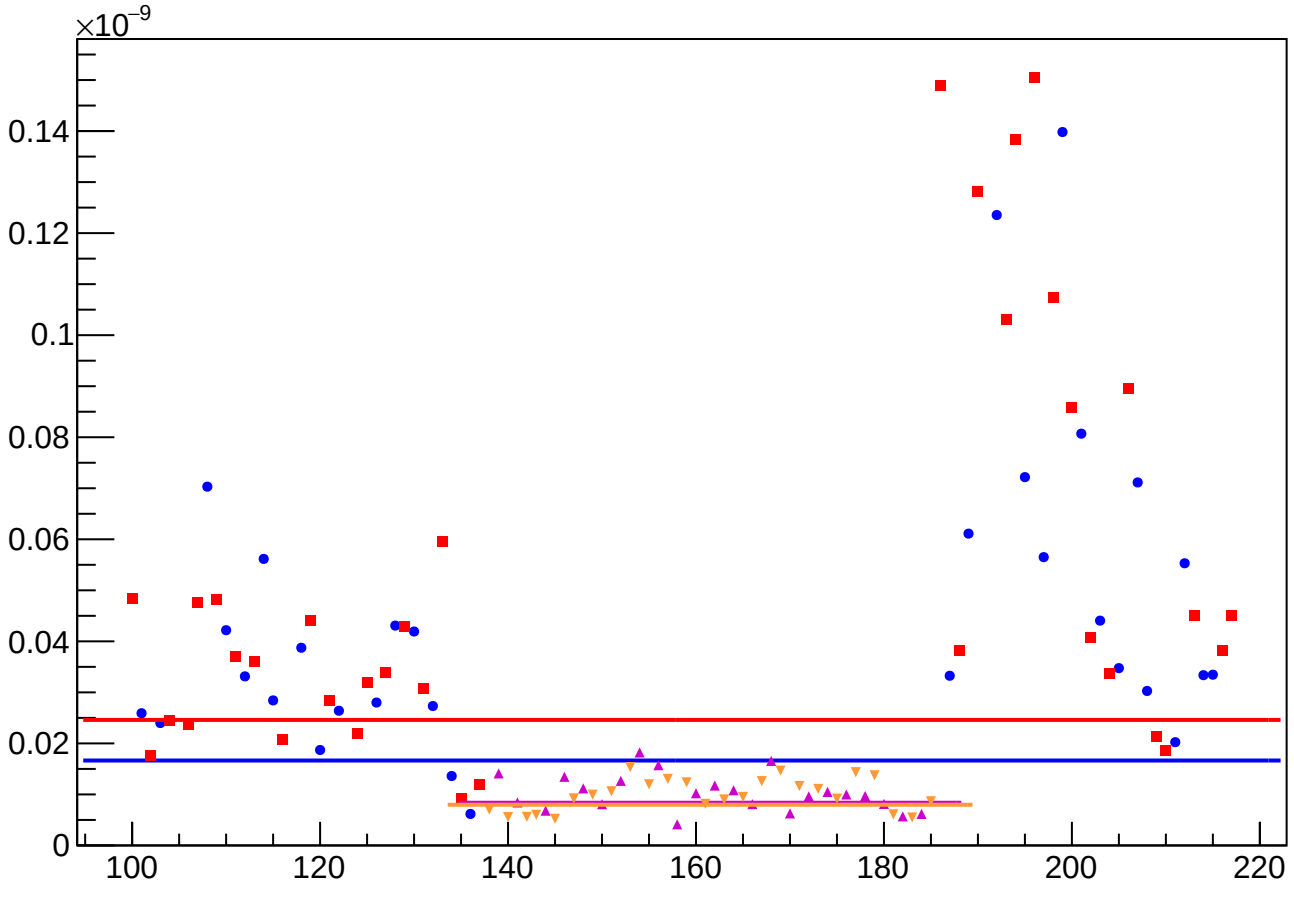
Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/34

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.1/55

All: 0.000+/-0.000 χ^2/NDF: 101.2/113

- sign 0.000+/-0.000 χ^2/NDF: 46.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 10810598.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8577758.3/34

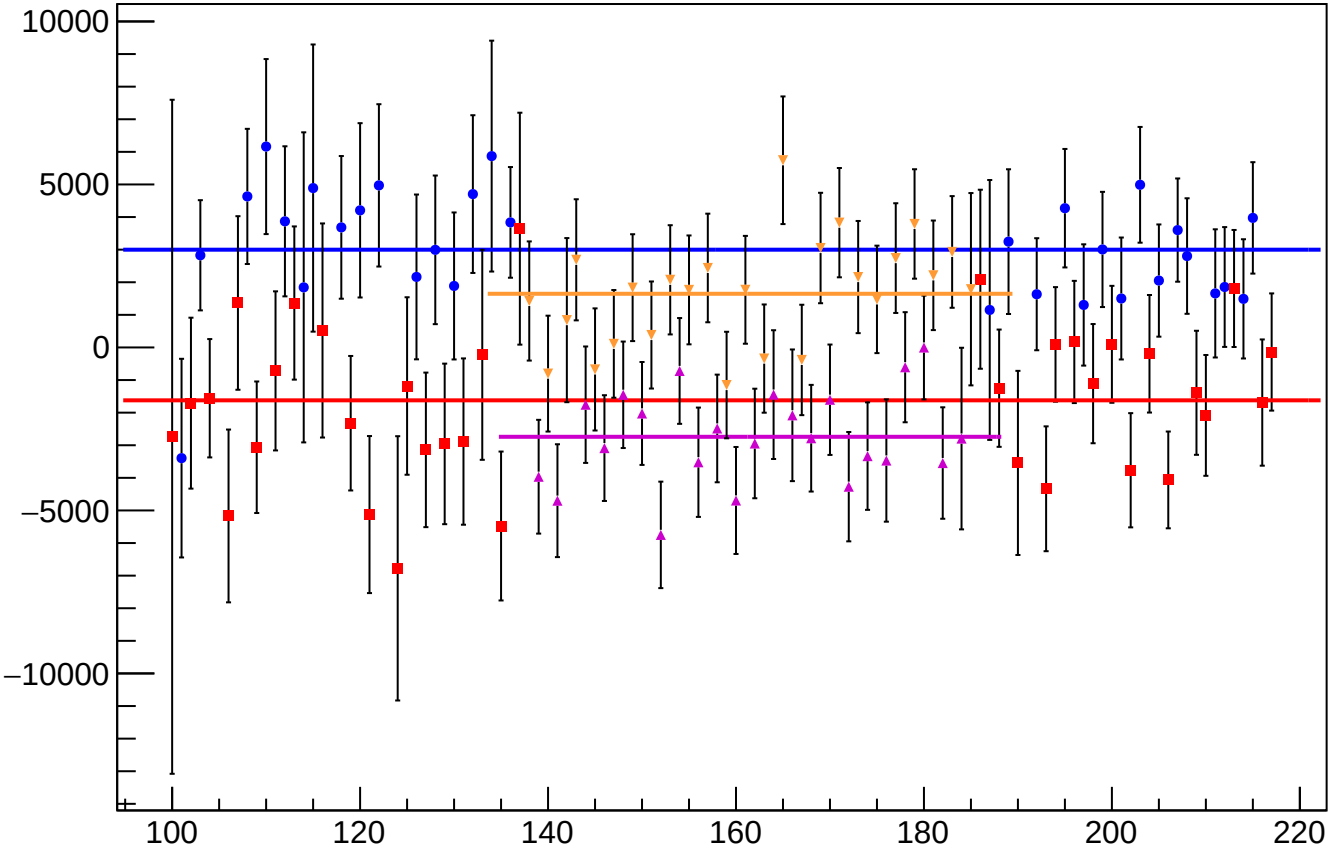
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 16538622.2/55

All: 0.000+/-0.000 χ^2/NDF: 34452132.2/113

- sign 0.000+/-0.000 χ^2/NDF: 17814124.1/57

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 2998.616+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.313+/-365.257 χ^2/NDF: 32.3/34

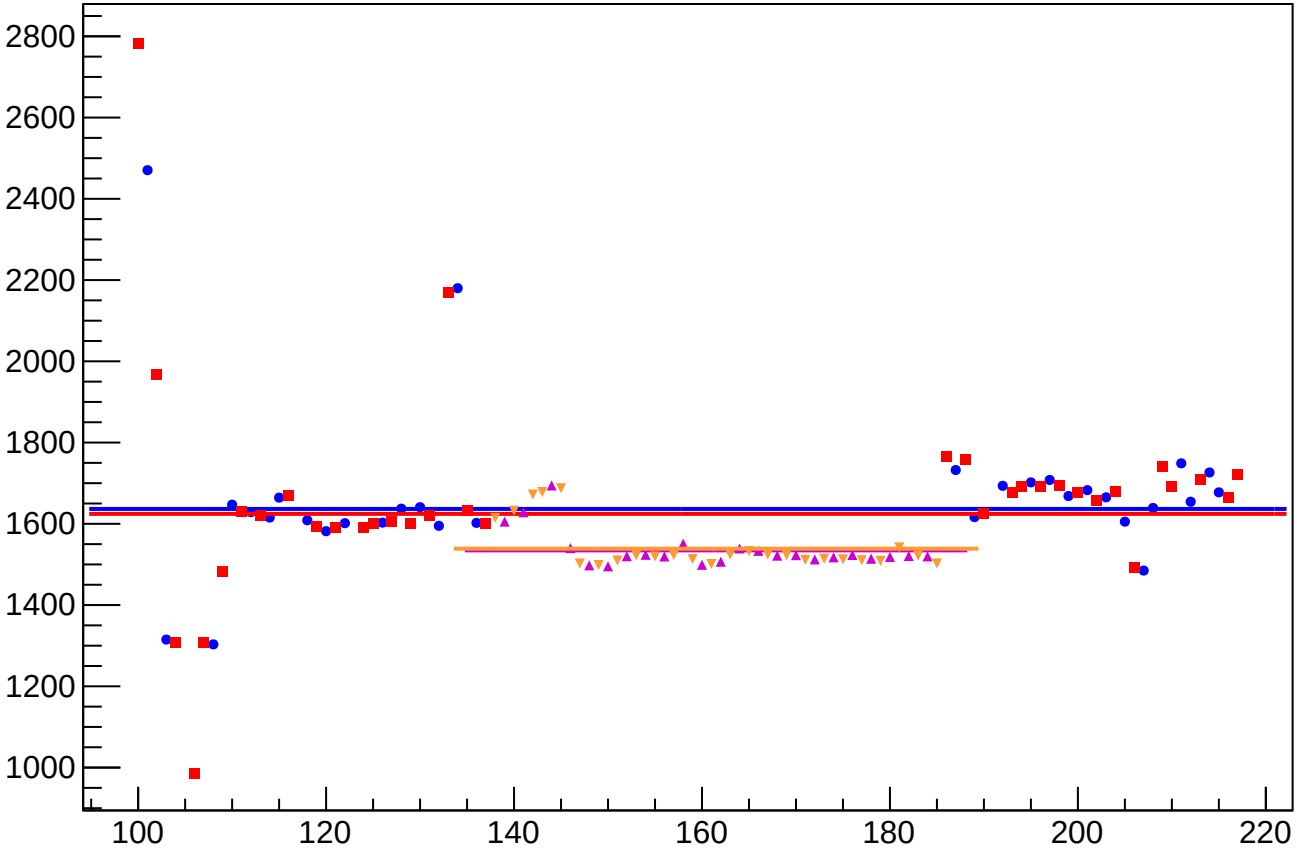
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2276.718+/-255.554 χ^2/NDF: 43.9/55

All: 44.774+/-180.804 χ^2/NDF: 250.1/113

- sign -2192.126+/-255.838 χ^2/NDF: 53.5/57

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1636.630+/-0.265 χ^2/NDF: 367597.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1624.448+/-0.257 χ^2/NDF: 481653.9/34

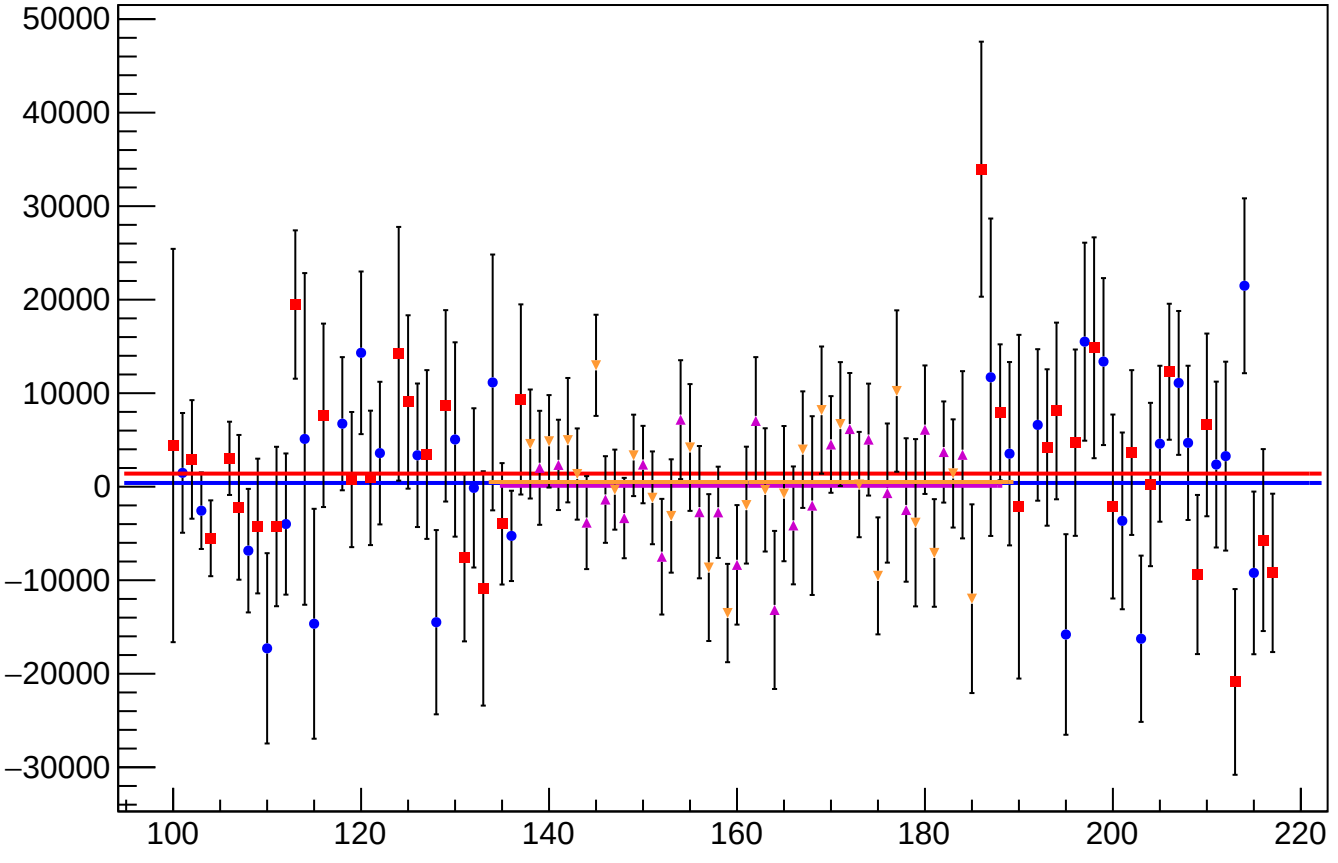
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1584.407+/-0.181 χ^2/NDF: 487577.6/55

All: 1581.689+/-0.128 χ^2/NDF: 1062841.3/11

- sign 1578.982+/-0.180 χ^2/NDF: 574812.1/57

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 401.200+/-1460.159 χ^2/NDF: 35.0/30

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1401.112+/-1356.967 χ^2/NDF: 35.5/34

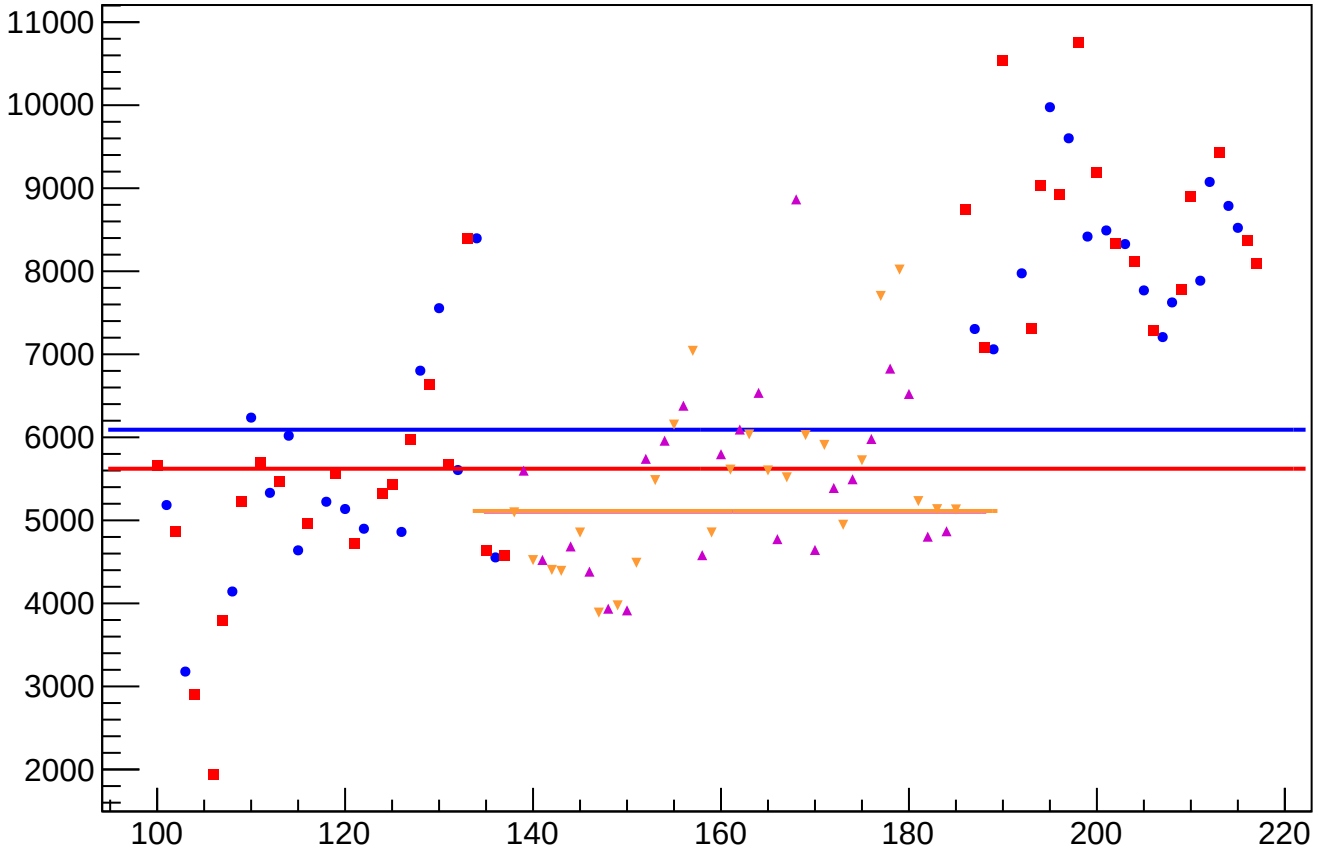
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 462.991+/-921.198 χ^2/NDF: 61.8/55

All: 572.846+/-646.034 χ^2/NDF: 112.7/113

- sign 679.164+/-906.247 χ^2/NDF: 50.9/57

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 6091.642+/-1.032 χ^2/NDF: 3528678.8/30

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5621.902+/-0.960 χ^2/NDF: 6012026.0/34

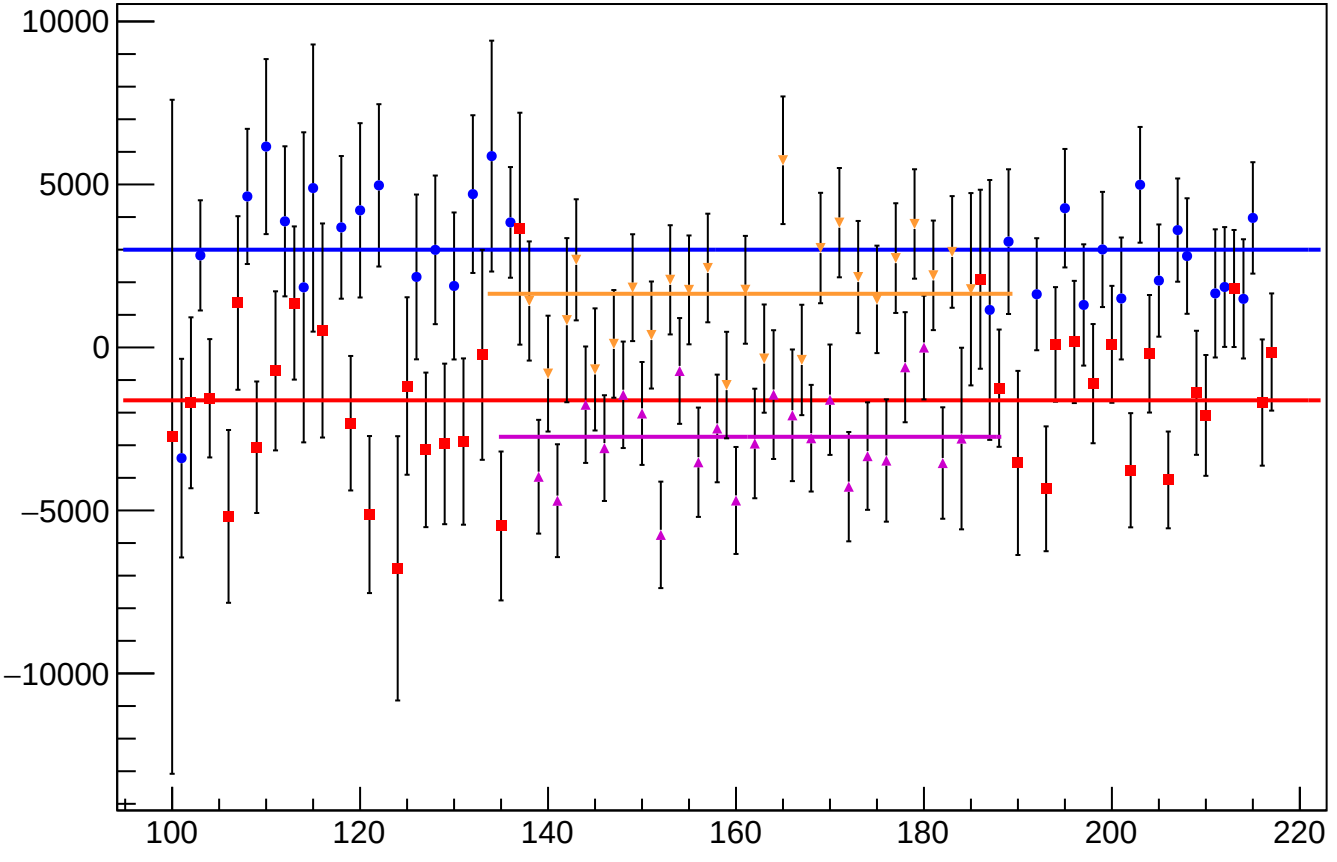
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5502.492+/-0.651 χ^2/NDF: 5228568.6/55

All: 5418.044+/-0.457 χ^2/NDF: 12685197.9/1

- sign 5336.316+/-0.641 χ^2/NDF: 7423556.1/57

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 2998.503+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.340+/-365.258 χ^2/NDF: 32.3/34

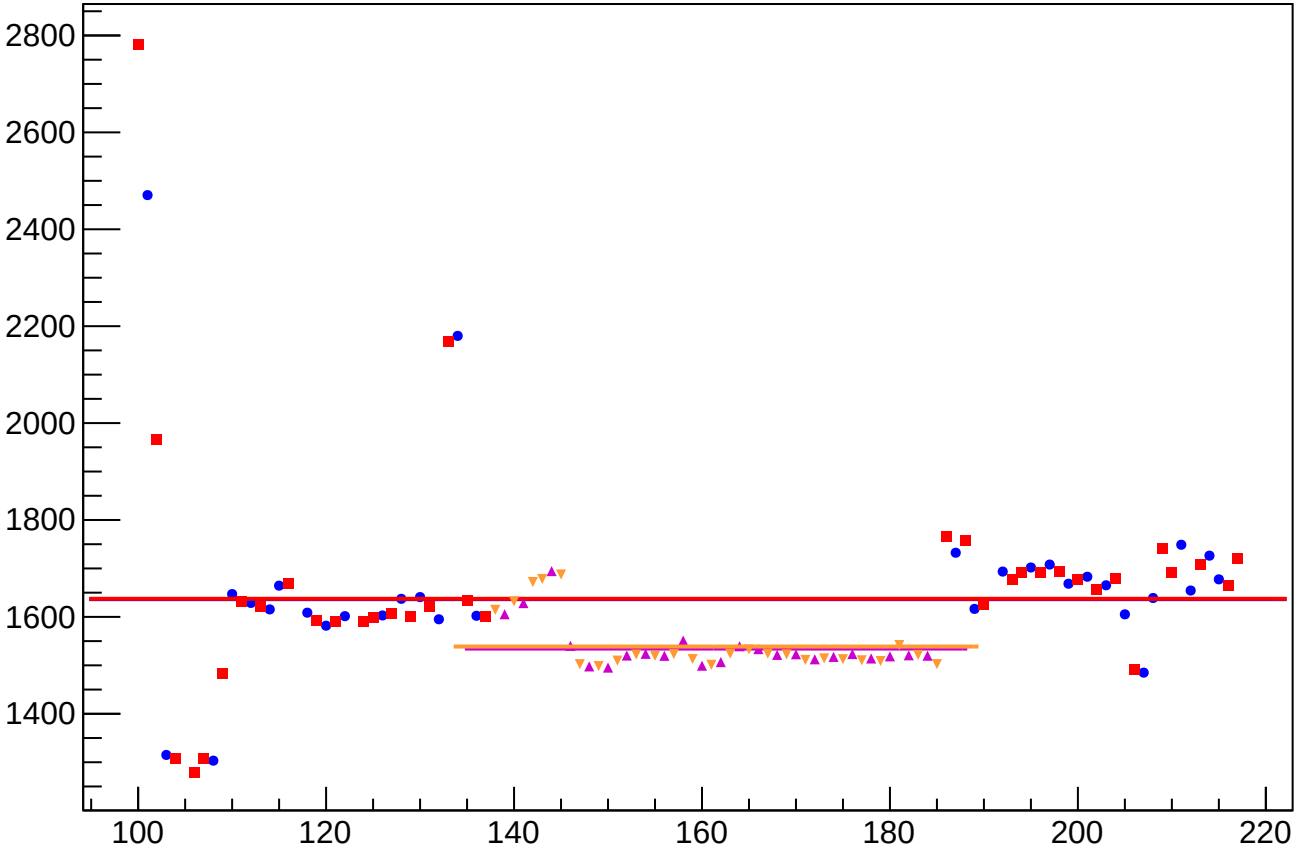
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2276.608+/-255.554 χ^2/NDF: 43.9/55

All: 44.739+/-180.805 χ^2/NDF: 250.1/113

- sign -2192.090+/-255.838 χ^2/NDF: 53.5/57

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1636.630+/-0.265 χ^2/NDF: 367596.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

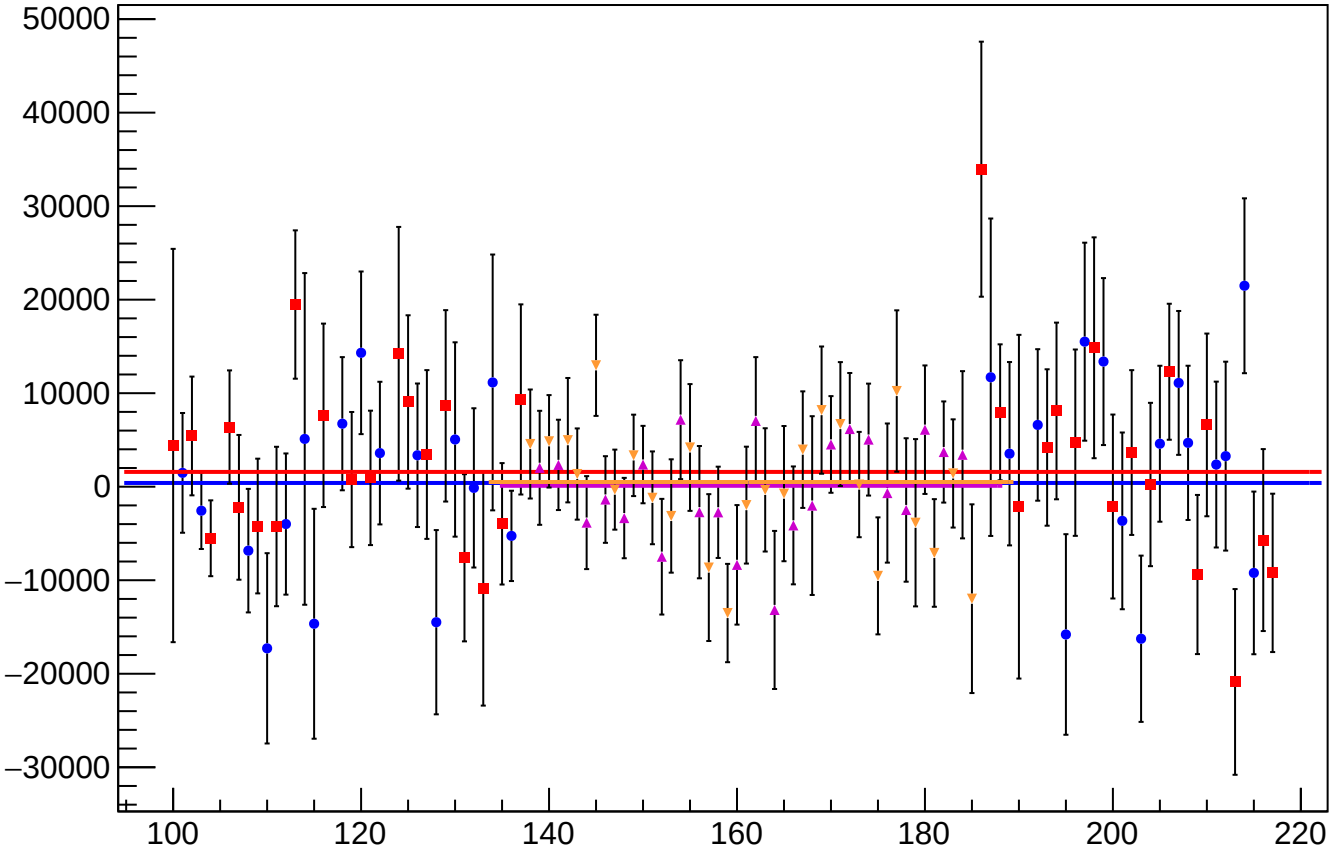
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1584.408+/-0.181 χ^2/NDF: 487576.7/55

All: 1584.745+/-0.128 χ^2/NDF: 921521.2/113

- sign 1585.083+/-0.181 χ^2/NDF: 433937.4/57

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 401.157+/-1460.178 χ^2/NDF: 35.0/30

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1582.063+/-1407.102 χ^2/NDF: 36.3/34

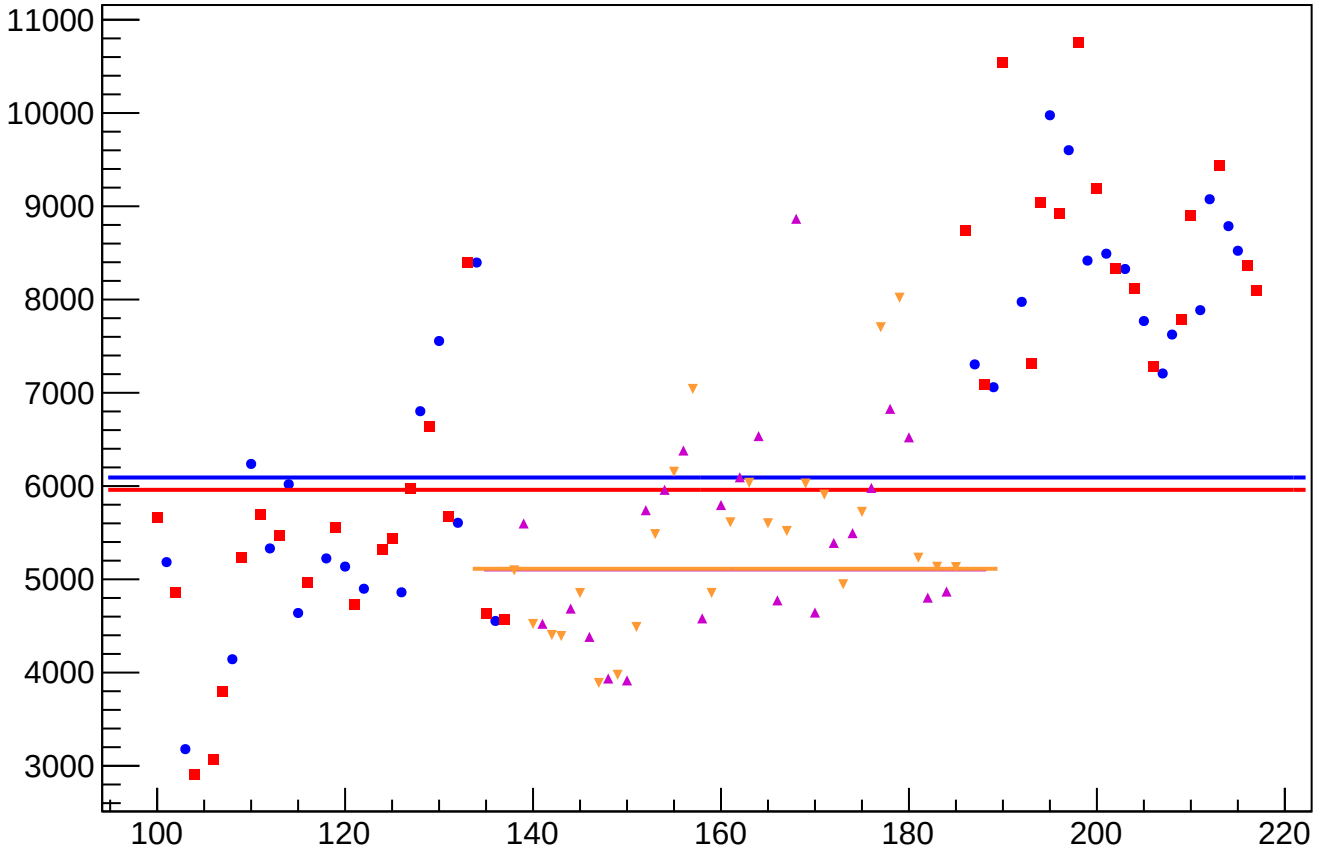
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 462.976+/-921.202 χ^2/NDF: 61.8/55

All: 598.252+/-651.222 χ^2/NDF: 113.7/113

- sign 733.389+/-920.732 χ^2/NDF: 51.8/57

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 6091.759+/-1.033 χ^2/NDF: 3528236.7/30

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

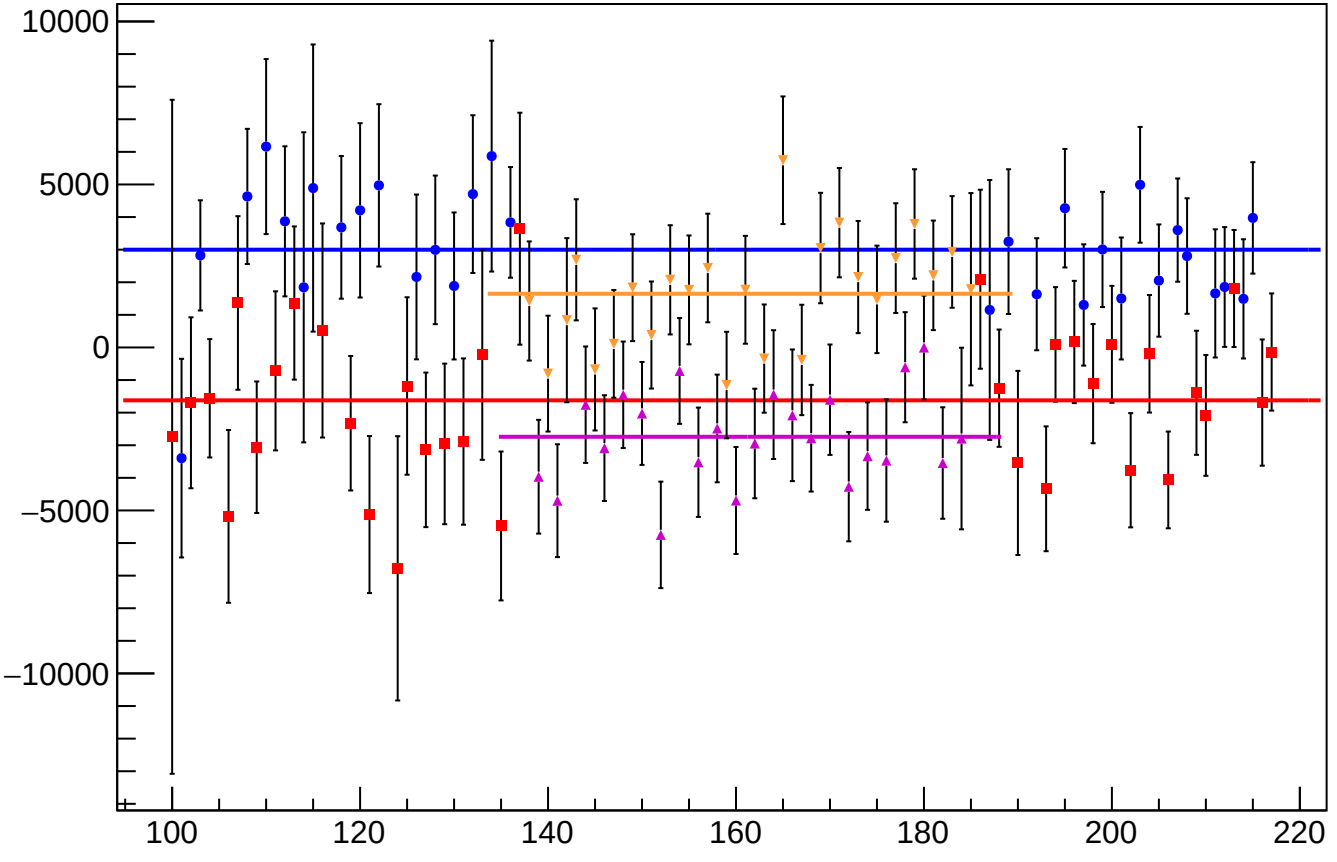
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5502.527+/-0.651 χ^2/NDF: 5228269.0/55

All: 5487.081+/-0.460 χ^2/NDF: 11385515.9/1

- sign 5471.650+/-0.651 χ^2/NDF: 6156122.9/57

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 2998.503+/-374.306 χ^2/NDF: 15.9/30

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1622.340+/-365.258 χ^2/NDF: 32.3/34

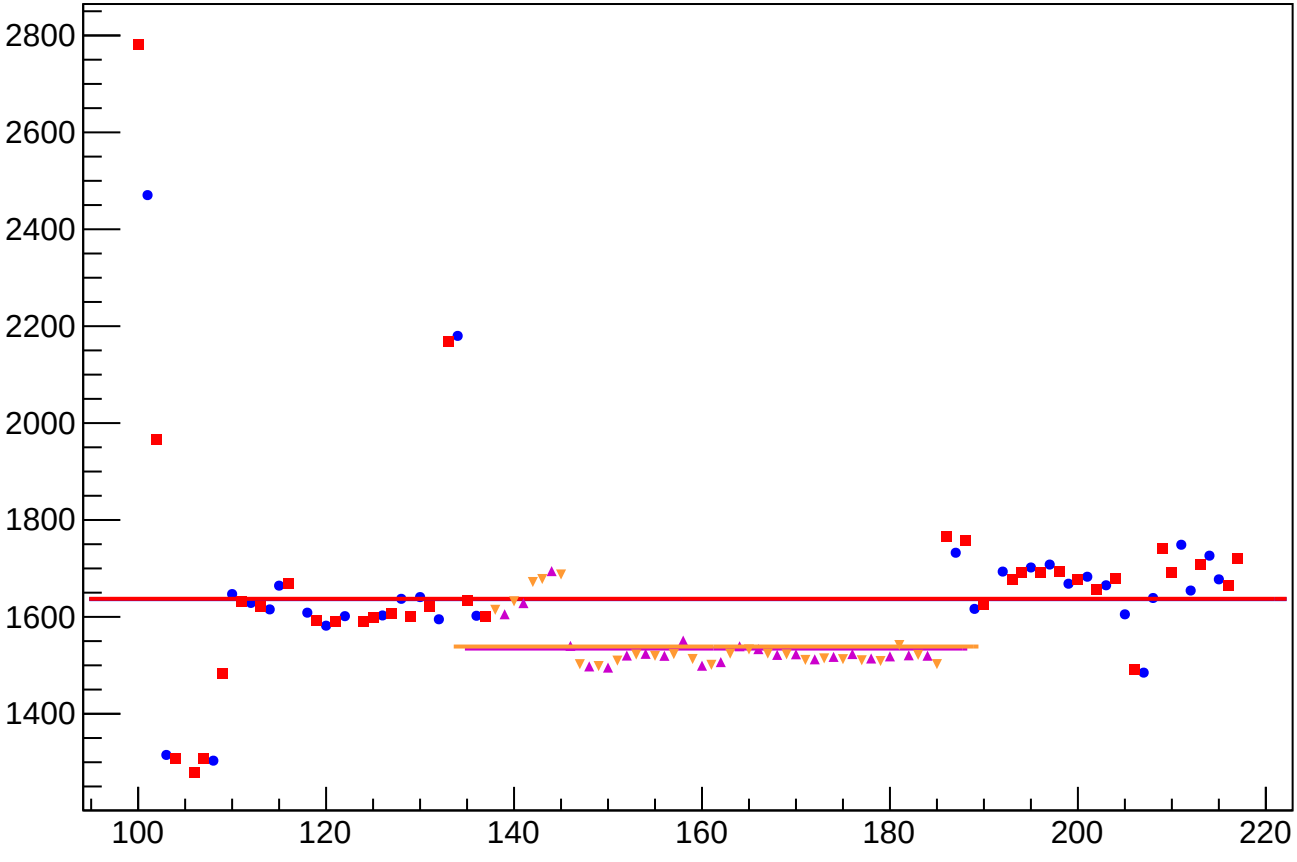
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2276.608+/-255.554 χ^2/NDF: 43.9/55

All: 44.739+/-180.805 χ^2/NDF: 250.1/113

- sign -2192.090+/-255.838 χ^2/NDF: 53.5/57

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1636.630+/-0.265 χ^2/NDF: 367596.9/30

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

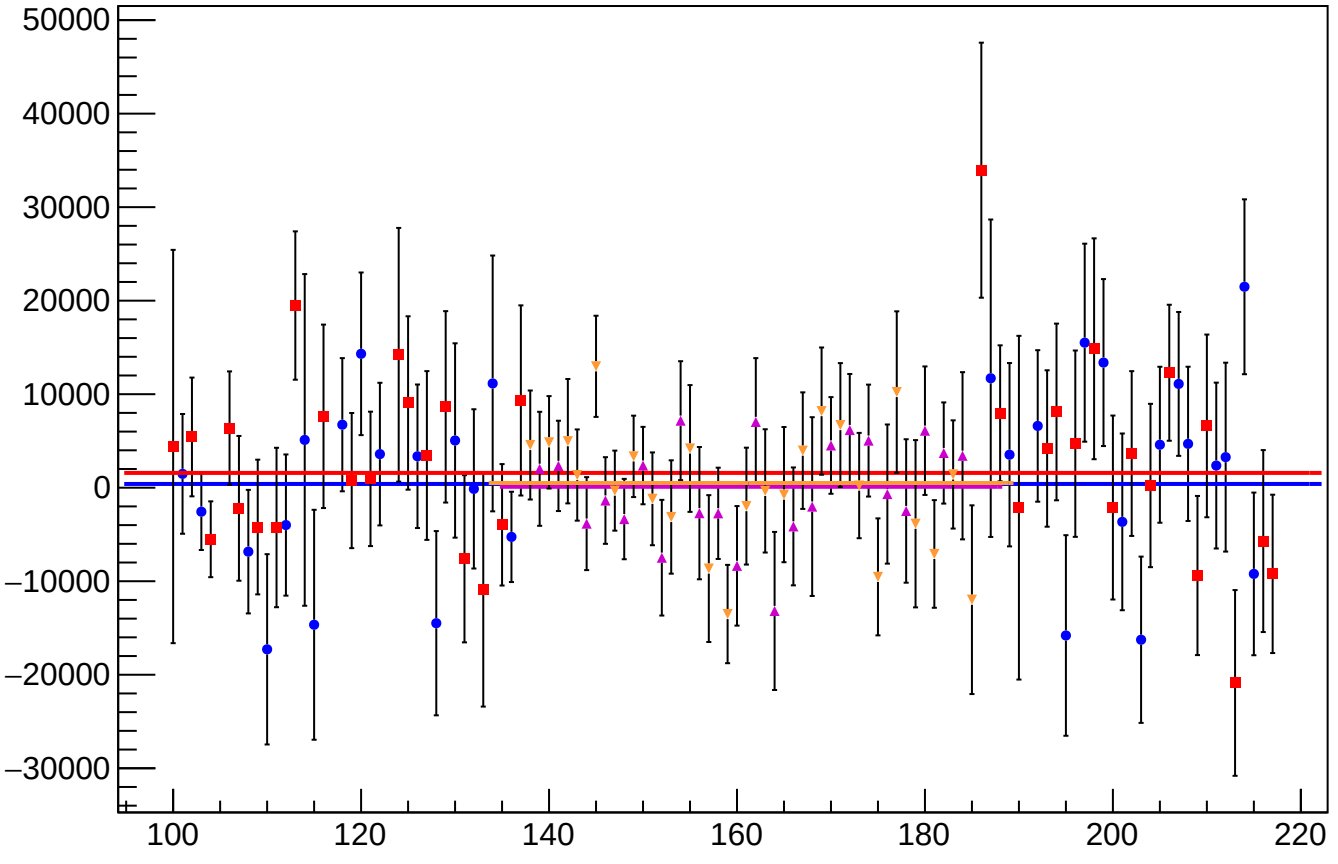
Right Out: 1637.325+/-0.258 χ^2/NDF: 322131.9/34

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1584.408+/-0.181 χ^2/NDF: 487576.7/55

All: 1584.745+/-0.128 χ^2/NDF: 921521.2/113

- sign 1585.083+/-0.181 χ^2/NDF: 433937.4/57



Right In: 401.157+/-1460.178 χ^2/NDF: 35.0/30

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1582.063+/-1407.102 χ^2/NDF: 36.3/34

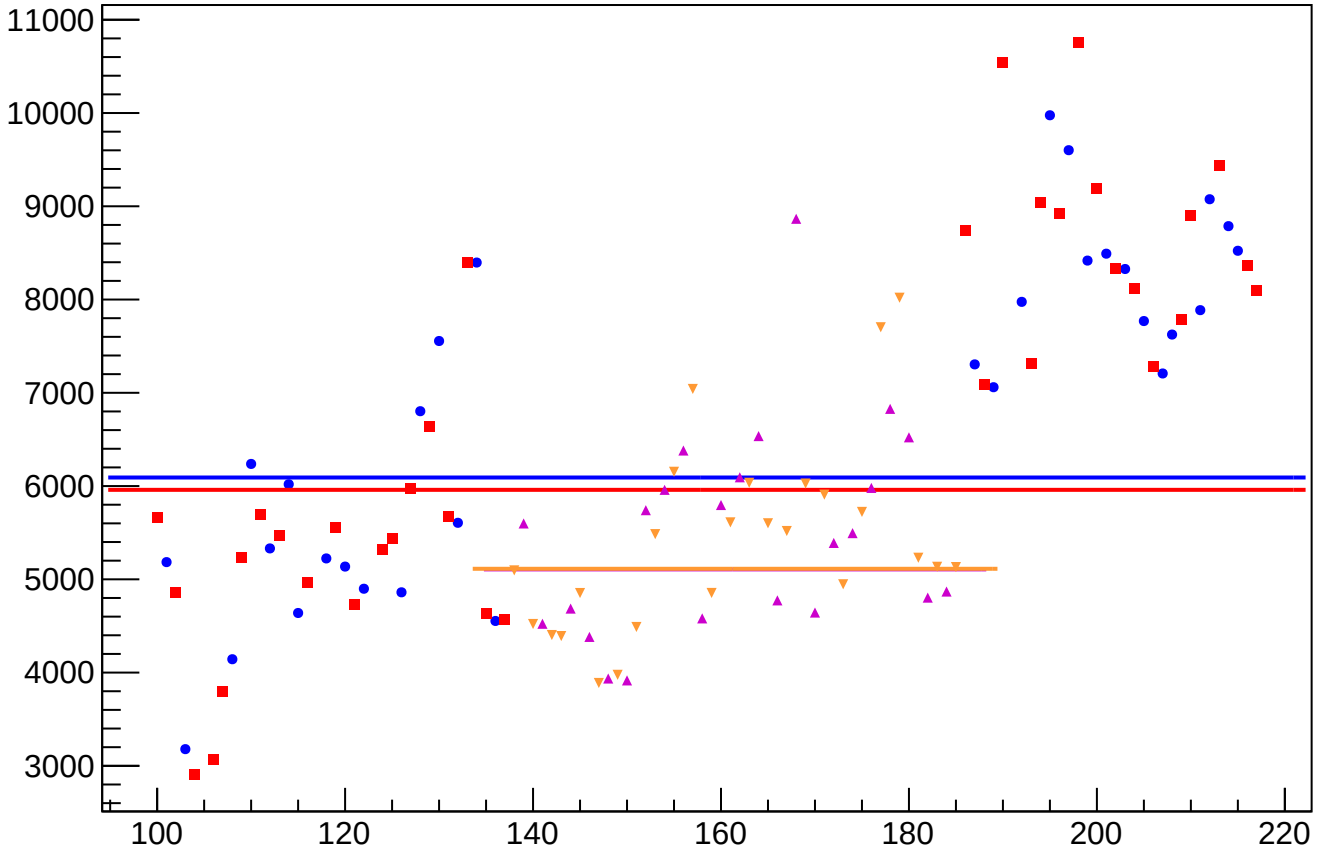
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 462.976+/-921.202 χ^2/NDF: 61.8/55

All: 598.252+/-651.222 χ^2/NDF: 113.7/113

- sign 733.389+/-920.732 χ^2/NDF: 51.8/57

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 6091.759+/-1.033 χ^2/NDF: 3528236.7/30

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5959.473+/-0.995 χ^2/NDF: 4484126.3/34

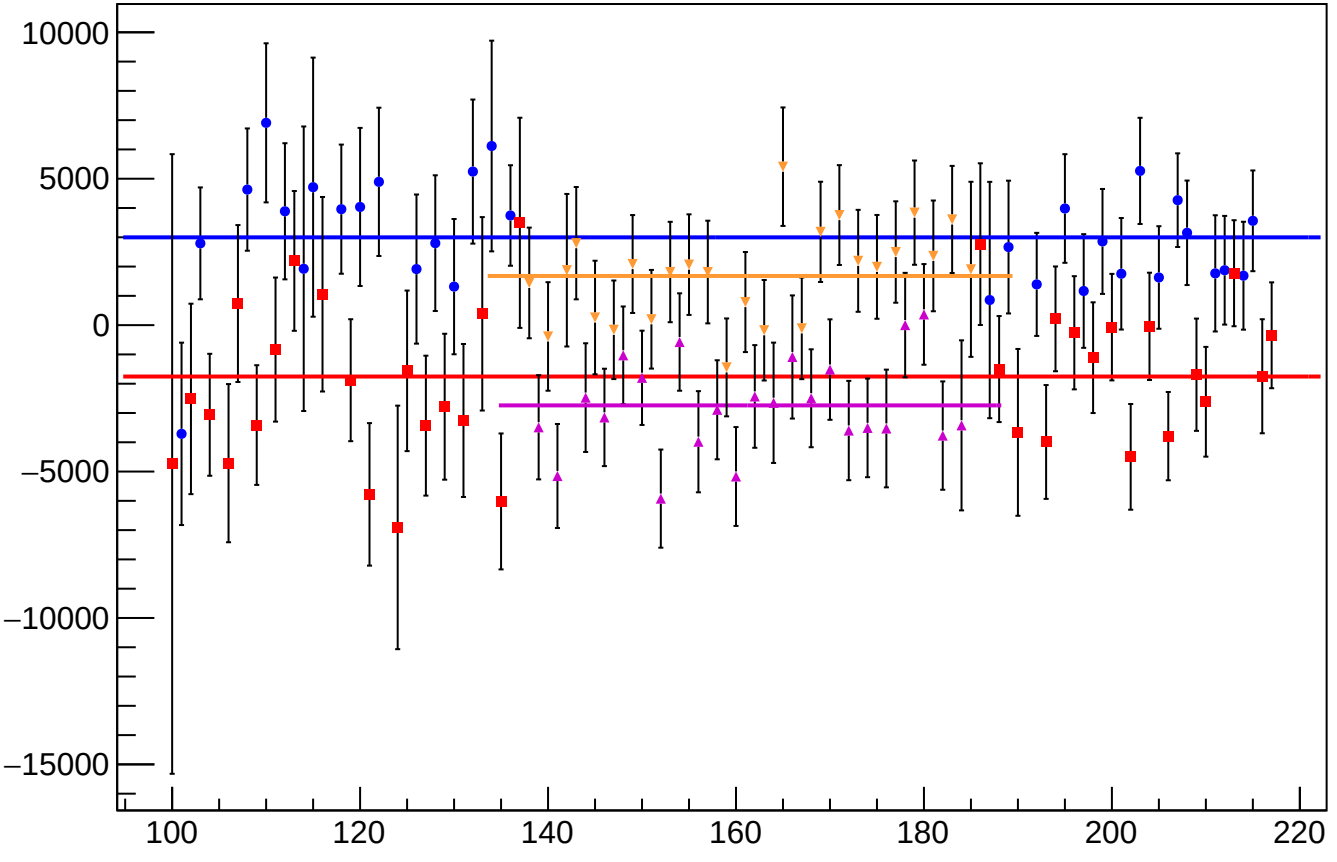
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5502.527+/-0.651 χ^2/NDF: 5228269.0/55

All: 5487.081+/-0.460 χ^2/NDF: 11385515.9/1

- sign 5471.650+/-0.651 χ^2/NDF: 6156122.9/57

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 2997.682+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1754.955+/-373.379 χ^2/NDF: 34.9/34

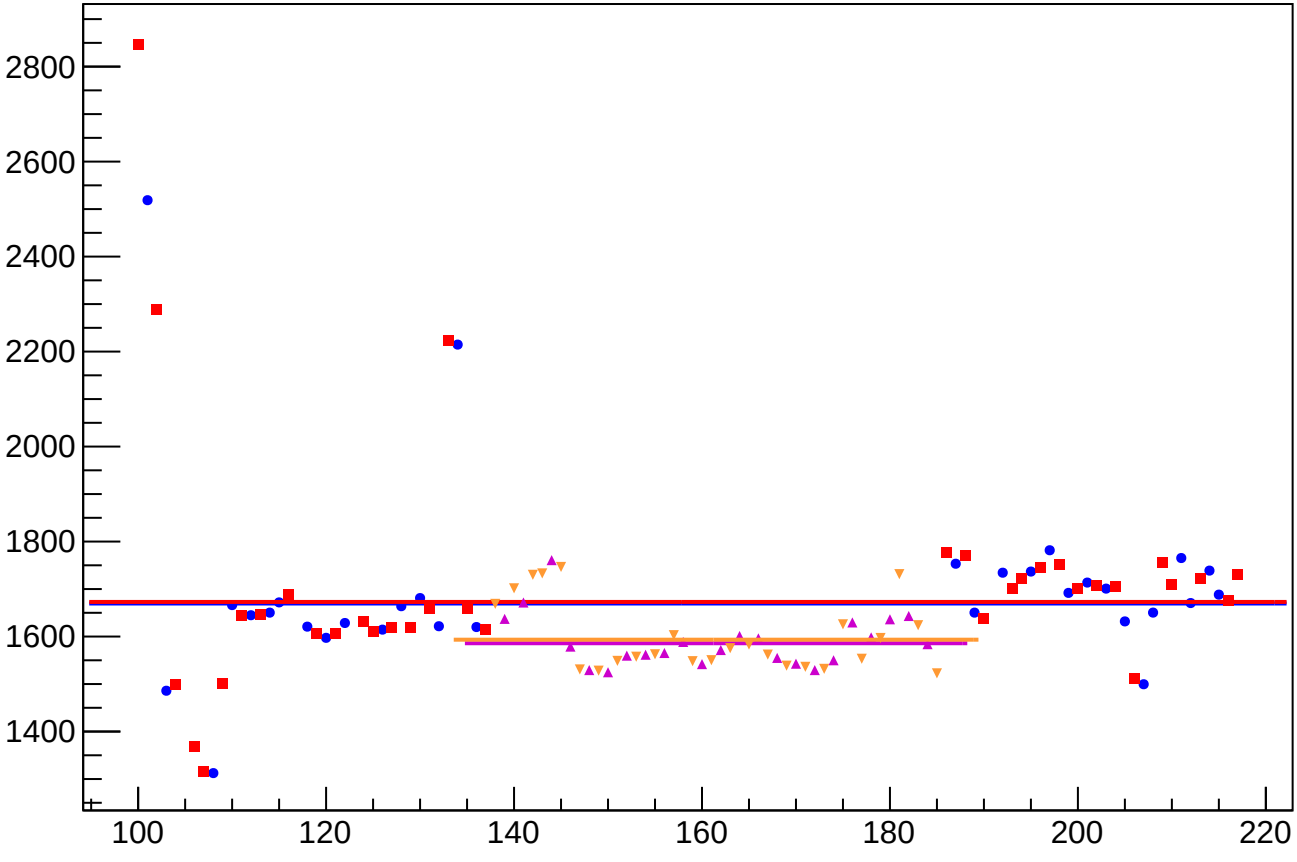
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2304.239+/-262.809 χ^2/NDF: 43.2/55

All: 28.312+/-185.913 χ^2/NDF: 251.0/113

- sign -2251.487+/-263.032 χ^2/NDF: 57.6/57

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1669.596+/-0.270 χ^2/NDF: 324686.6/30

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

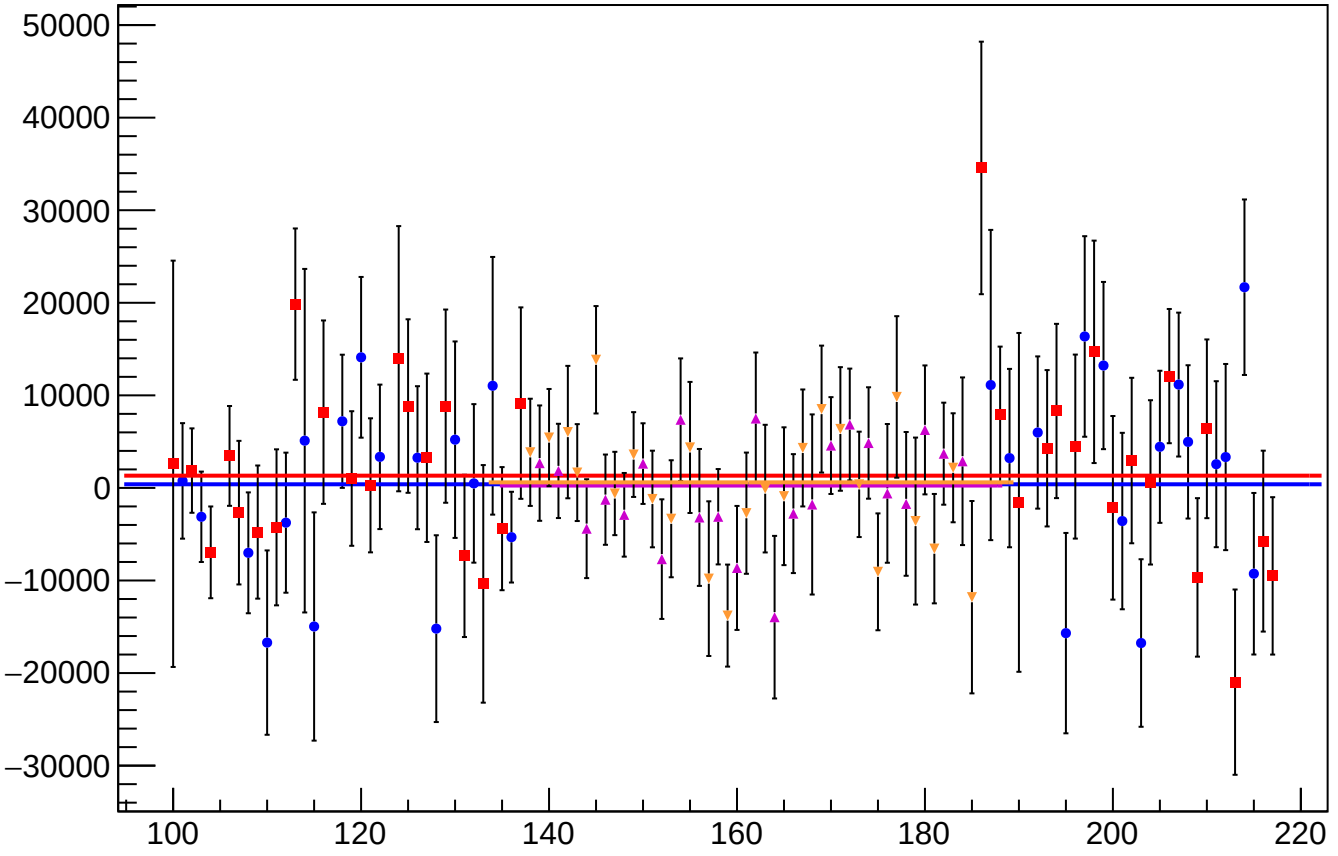
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1629.516+/-0.186 χ^2/NDF: 438492.6/55

All: 1629.304+/-0.131 χ^2/NDF: 834076.7/113

- sign 1629.093+/-0.186 χ^2/NDF: 395581.5/57

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 392.785+/-1495.310 χ^2/NDF: 34.9/30

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1324.421+/-1400.944 χ^2/NDF: 35.3/34

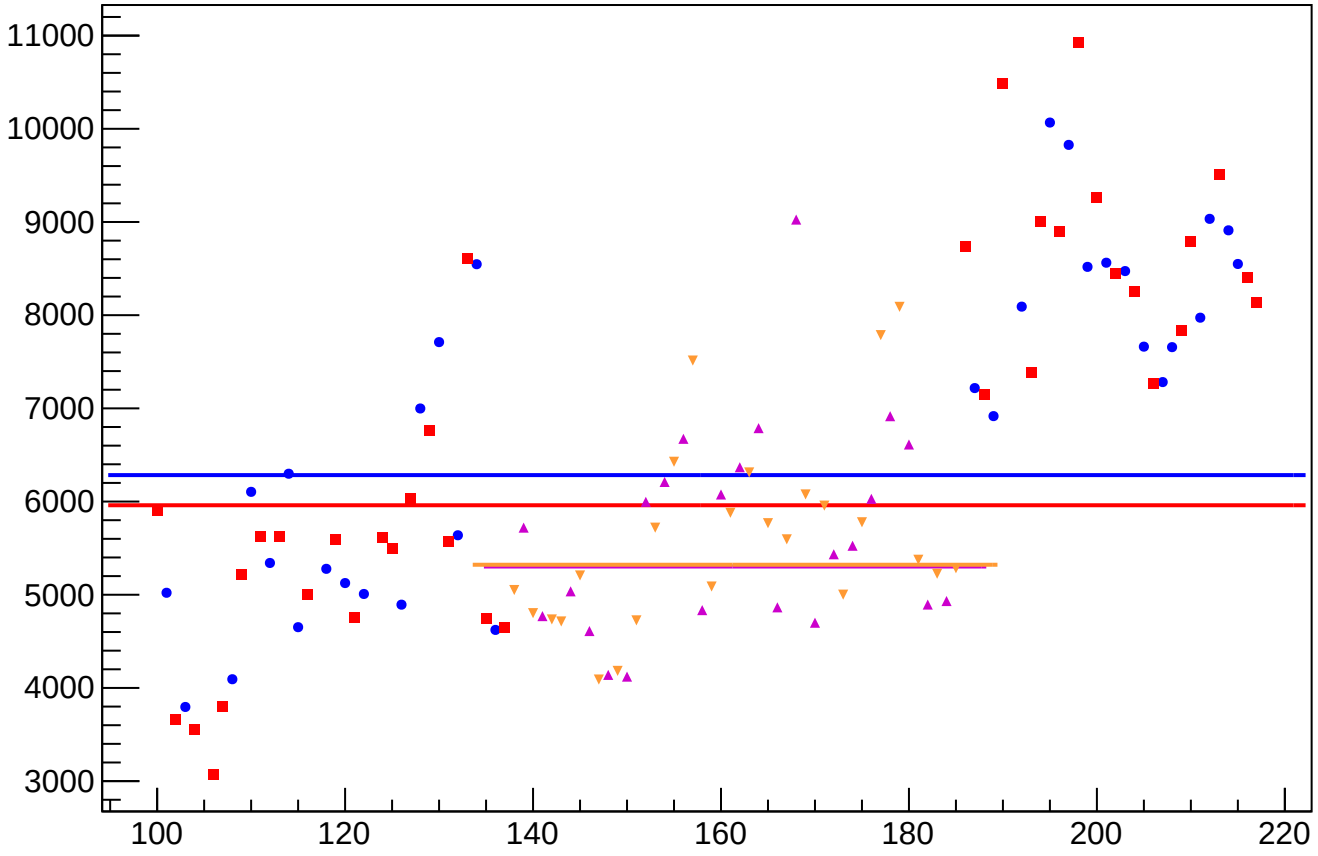
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 517.170+/-951.557 χ^2/NDF: 60.9/55

All: 627.566+/-667.973 χ^2/NDF: 111.3/113

- sign 734.817+/-937.903 χ^2/NDF: 50.3/57

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6283.872+/-1.057 χ^2/NDF: 3003104.9/30

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5960.344+/-0.991 χ^2/NDF: 4410106.9/34

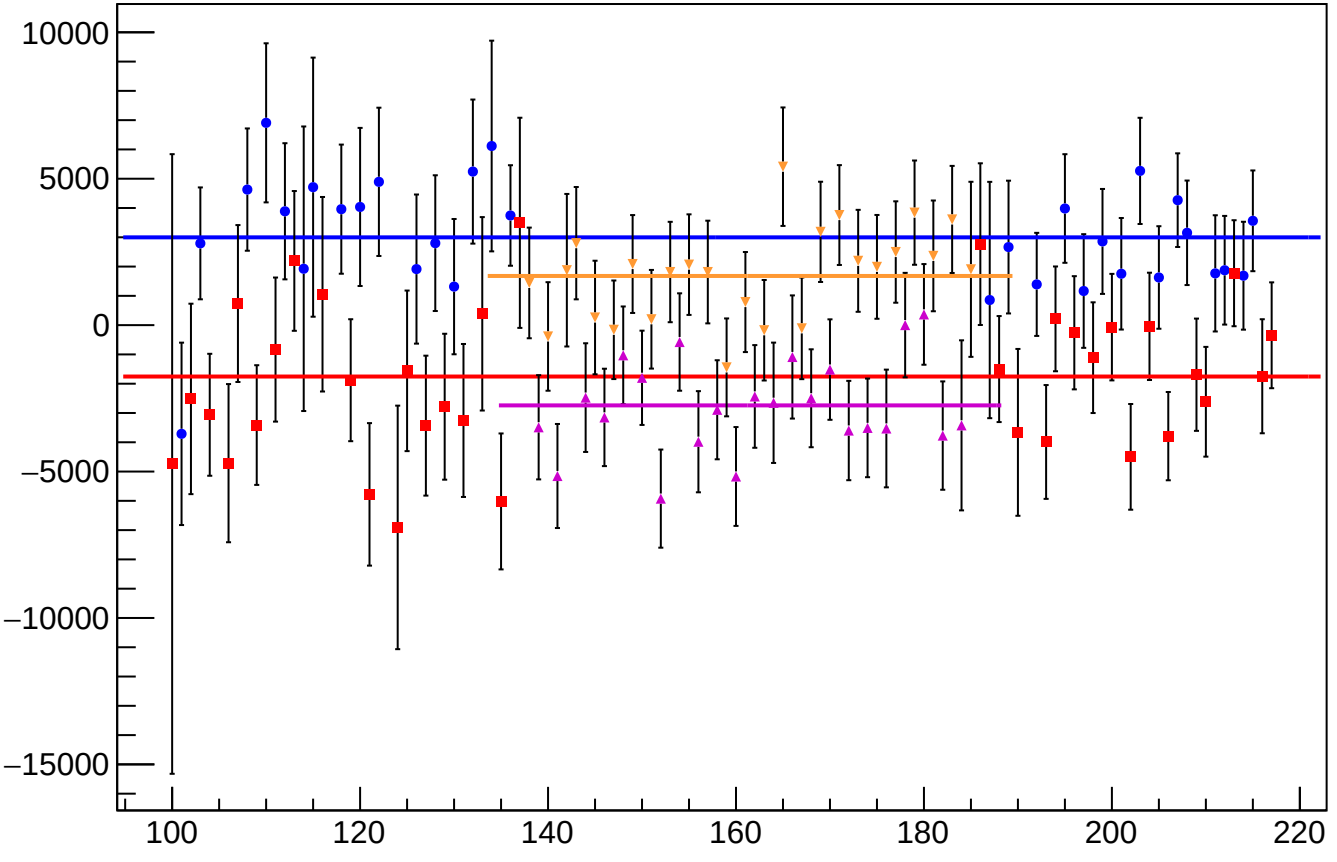
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5711.489+/-0.673 χ^2/NDF: 4532597.2/55

All: 5653.691+/-0.472 χ^2/NDF: 10352709.1/1

- sign 5597.540+/-0.663 χ^2/NDF: 5805564.8/57

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 2997.679+/-381.695 χ^2/NDF: 18.0/30

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1754.959+/-373.379 χ^2/NDF: 34.9/34

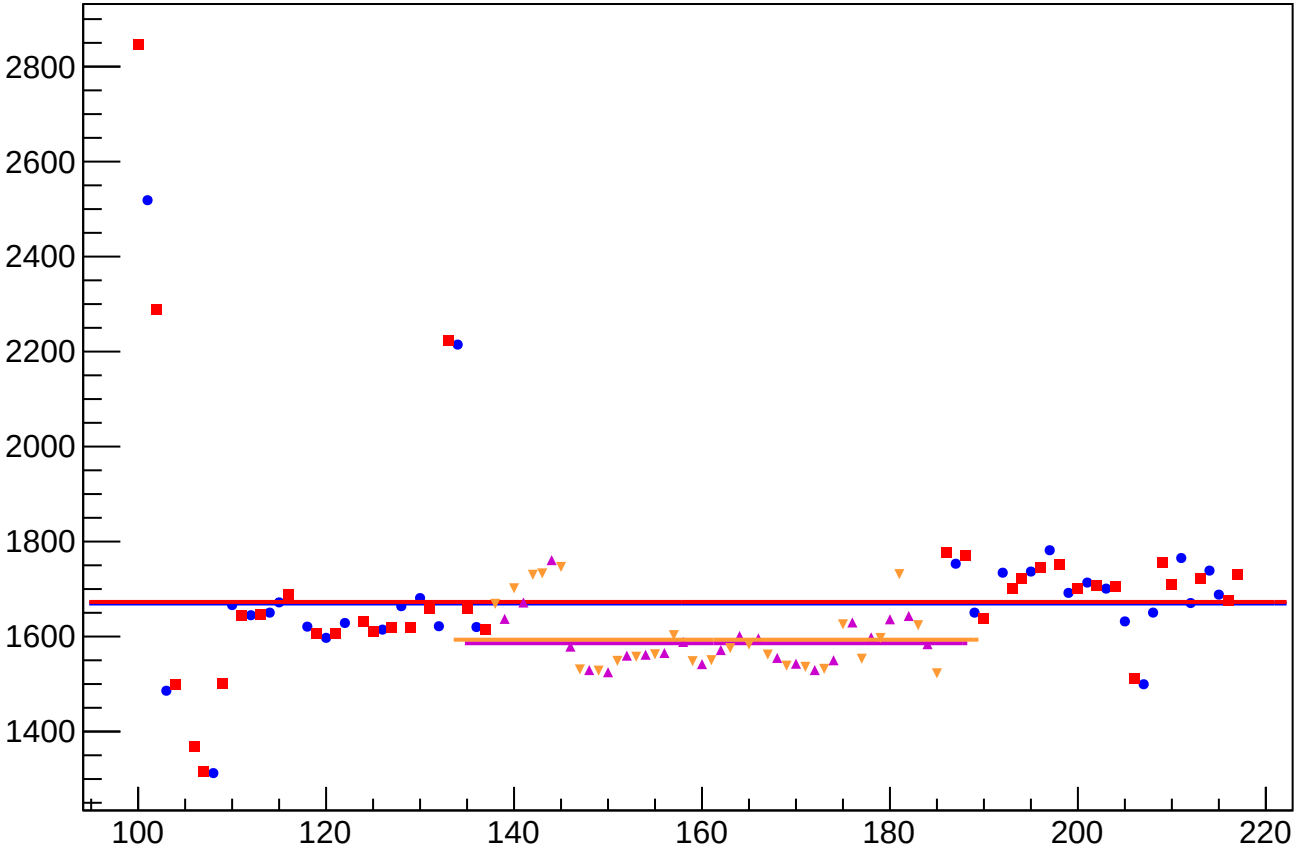
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2304.234+/-262.809 χ^2/NDF: 43.2/55

All: 28.309+/-185.913 χ^2/NDF: 251.0/113

- sign -2251.488+/-263.032 χ^2/NDF: 57.6/57

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1669.595+/-0.270 χ^2/NDF: 324686.9/30

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

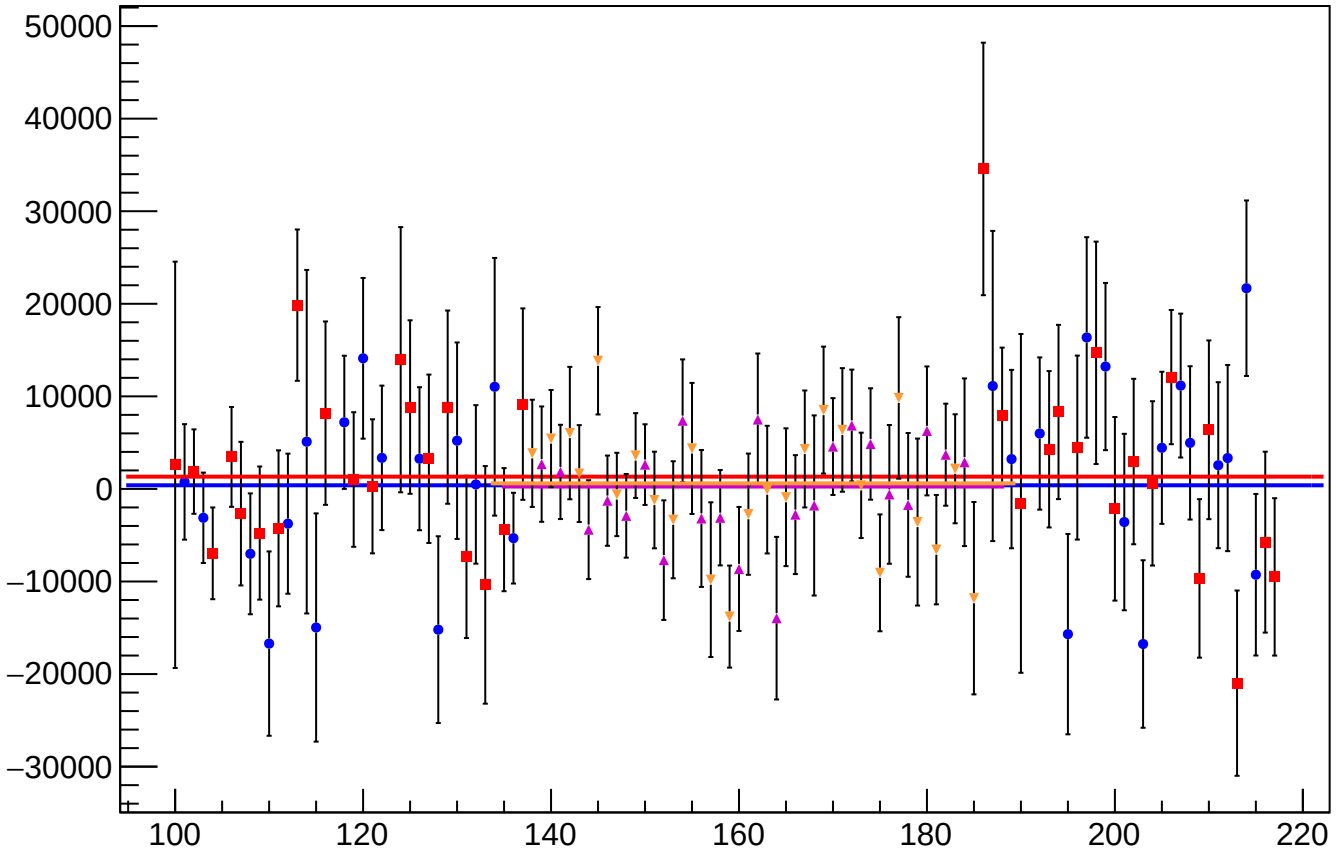
Right Out: 1672.887+/-0.264 χ^2/NDF: 298989.6/34

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1629.516+/-0.186 χ^2/NDF: 438491.6/55

All: 1629.305+/-0.131 χ^2/NDF: 834074.1/113

- sign 1629.093+/-0.186 χ^2/NDF: 395580.0/57



Right In: 392.789+/-1495.310 χ^2/NDF: 34.9/30

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 1324.418+/-1400.943 χ^2/NDF: 35.3/34

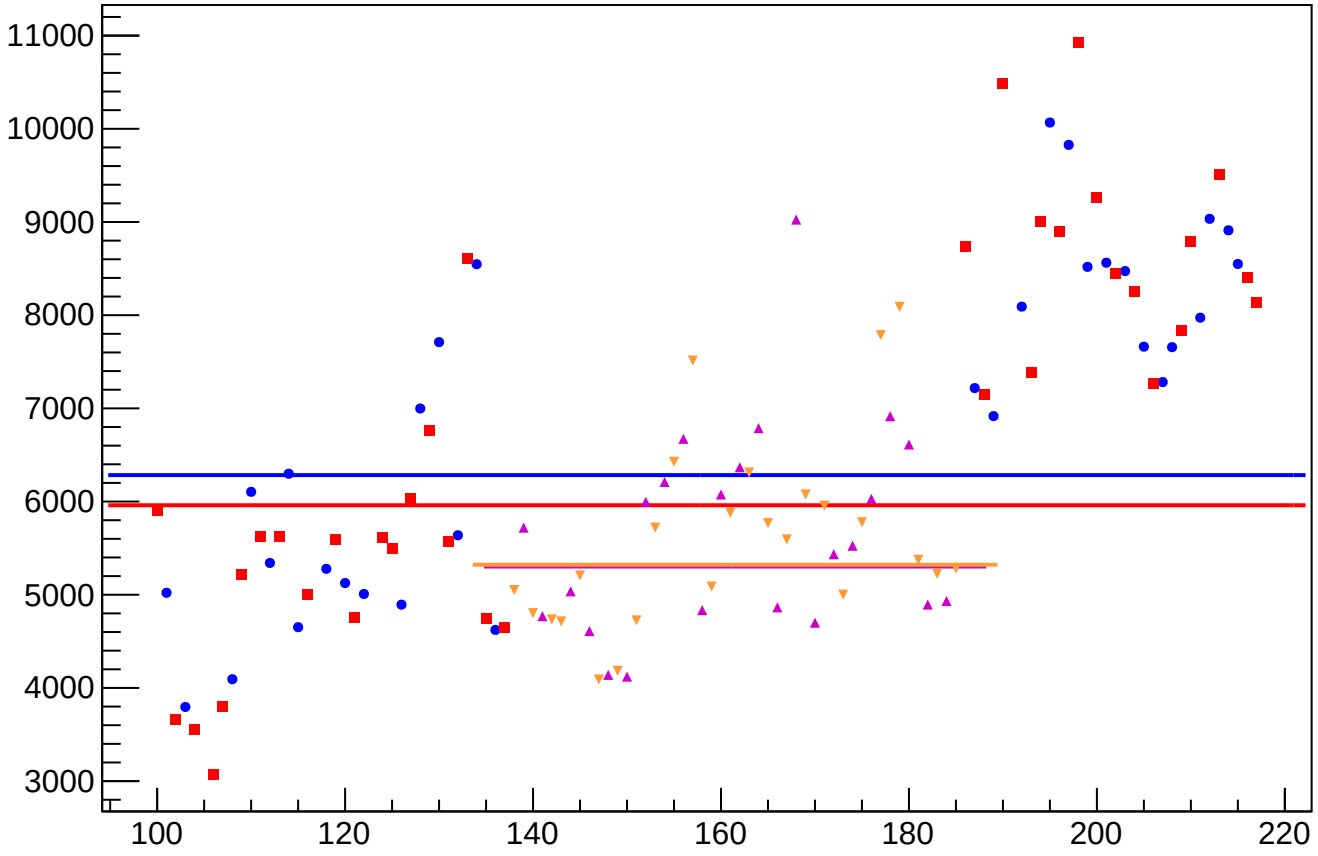
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 517.170+/-951.558 χ^2/NDF: 60.9/55

All: 627.567+/-667.973 χ^2/NDF: 111.3/113

- sign 734.818+/-937.904 χ^2/NDF: 50.3/57

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6283.868+/-1.057 χ^2/NDF: 3003122.9/30

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5960.339+/-0.991 χ^2/NDF: 4410127.7/34

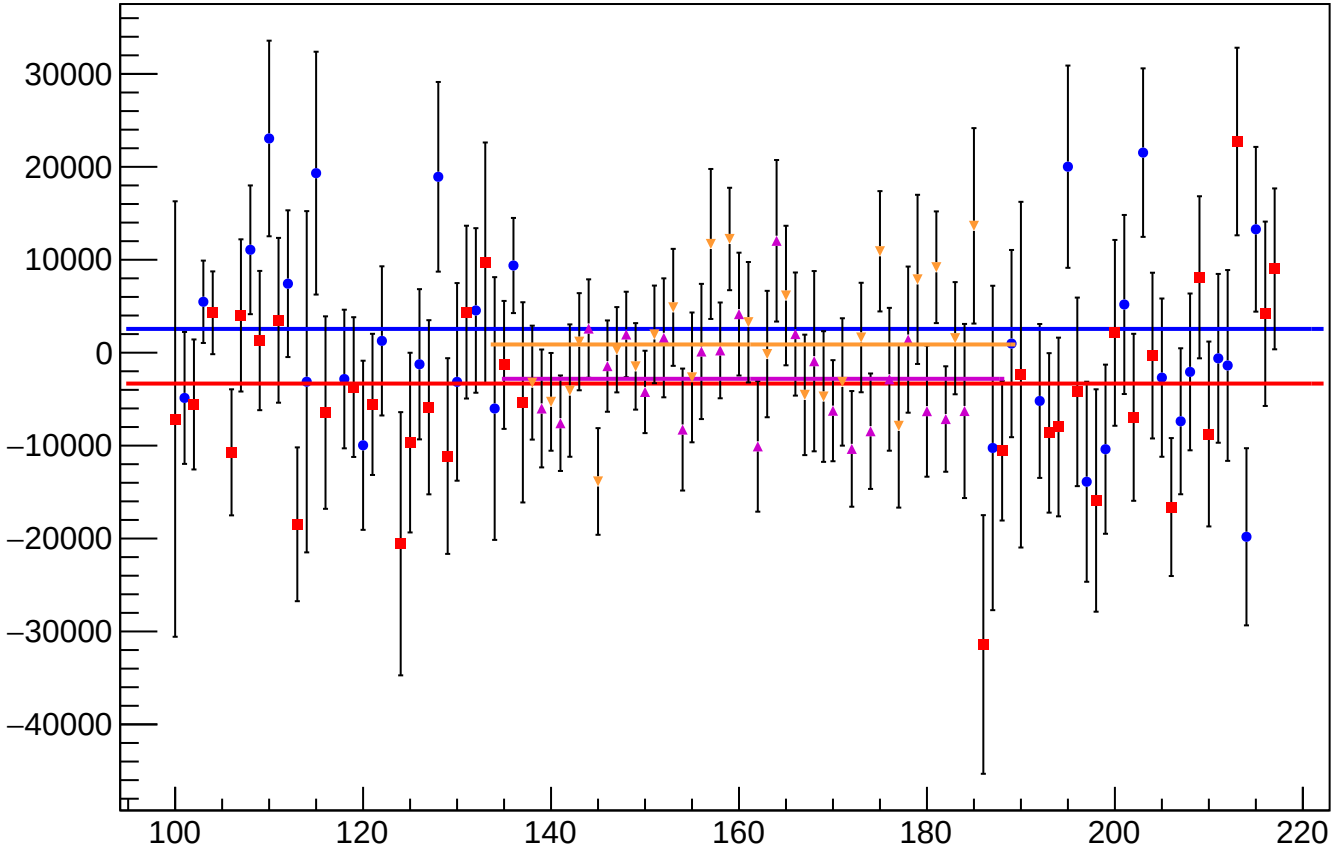
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5711.494+/-0.673 χ^2/NDF: 4532603.5/55

All: 5653.695+/-0.472 χ^2/NDF: 10352730.0/1

- sign 5597.543+/-0.663 χ^2/NDF: 5805578.8/57

asym_usr_atr2_avg_mean vs Slug



Right In: 2558.298+/-1525.191 χ^2/NDF: 39.0/30

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3323.656+/-1476.572 χ^2/NDF: 35.7/34

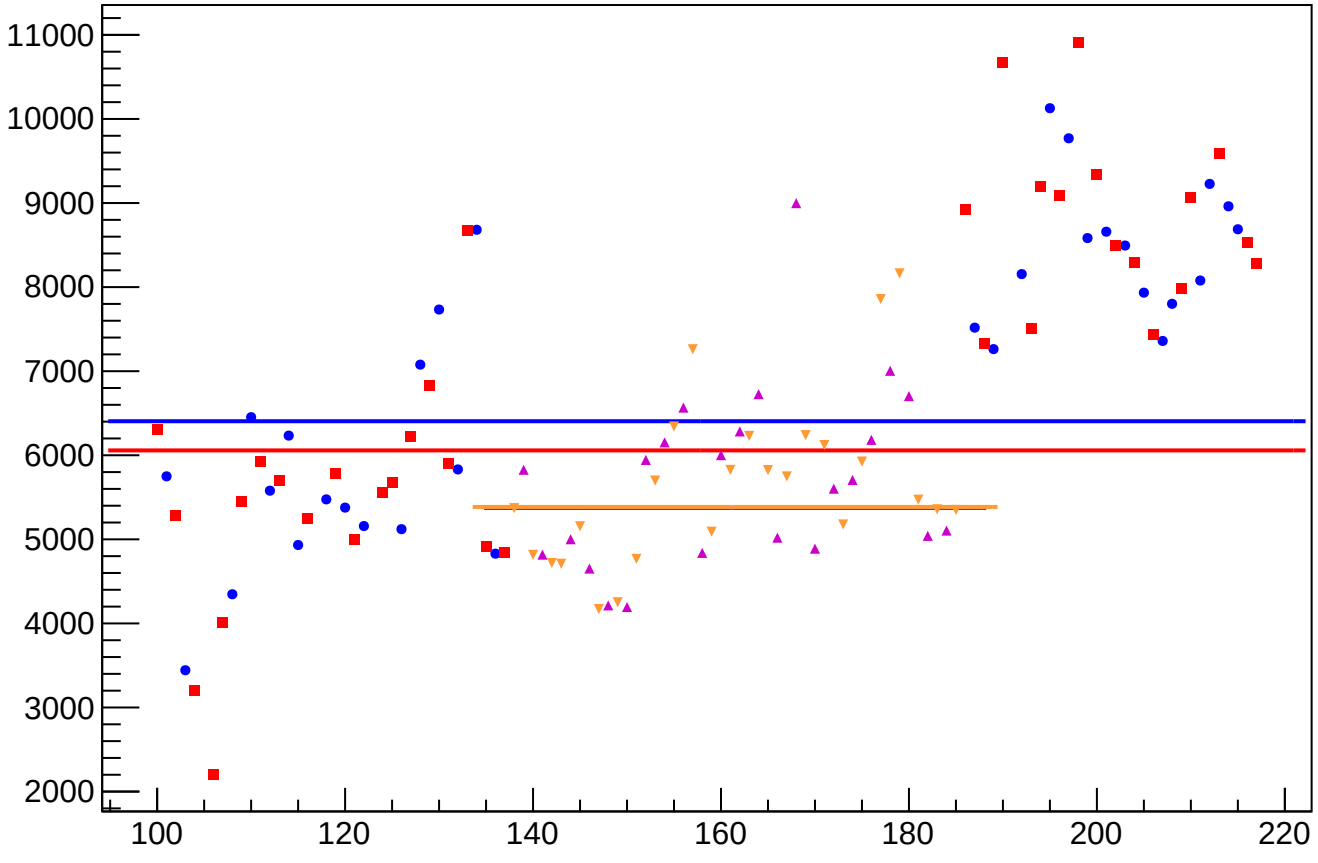
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1555.373+/-965.167 χ^2/NDF: 65.4/55

All: -735.491+/-682.765 χ^2/NDF: 127.1/113

- sign -3030.240+/-965.985 χ^2/NDF: 50.5/57

asym_usr_atr2_avg_rms vs Slug



Right In: 6404.788+/-1.078 χ^2/NDF: 3095035.9/30

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

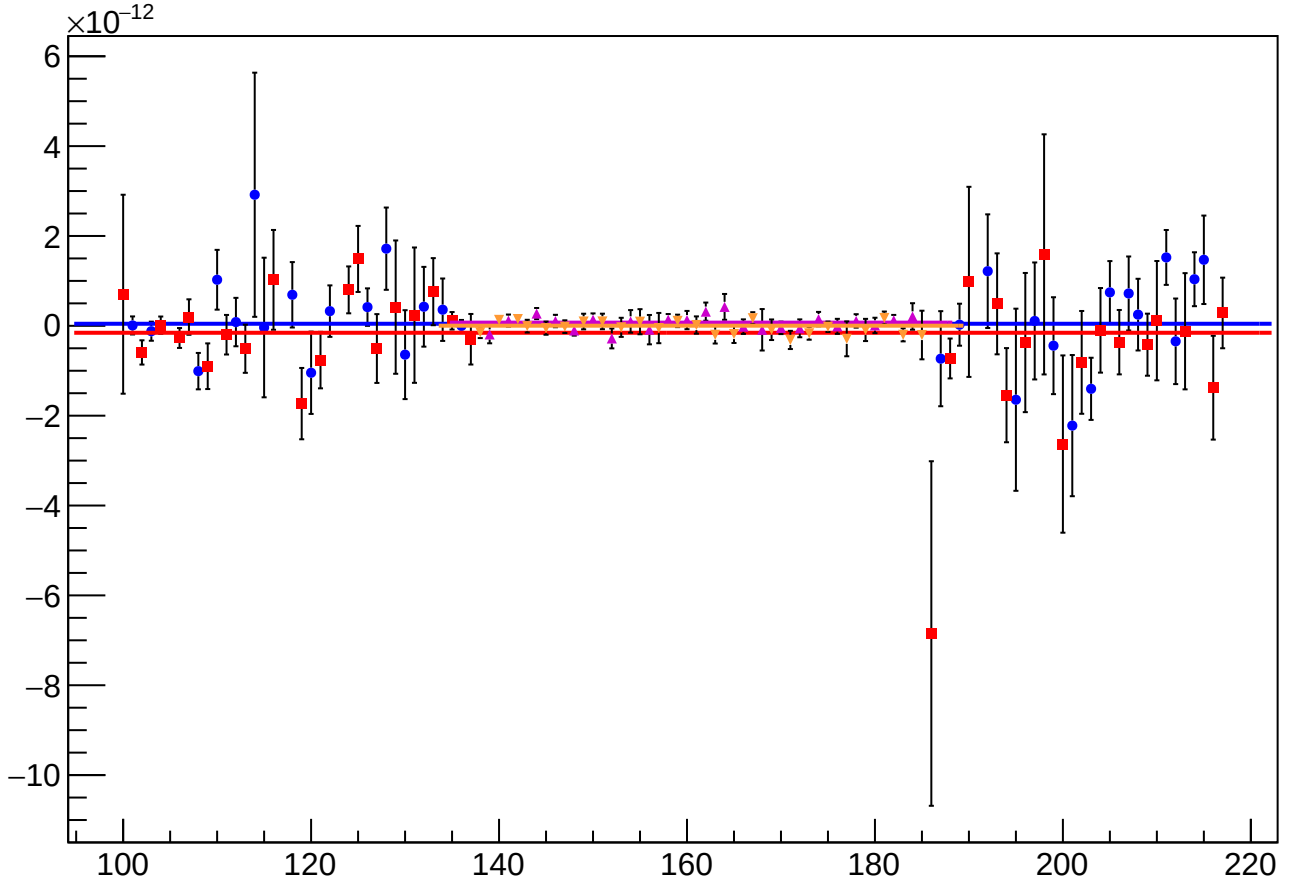
Right Out: 6057.862+/-1.019 χ^2/NDF: 4932217.9/34

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5793.773+/-0.682 χ^2/NDF: 4617508.7/55

All: 5733.425+/-0.480 χ^2/NDF: 10890133.5/1

- sign 5674.241+/-0.676 χ^2/NDF: 6257137.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

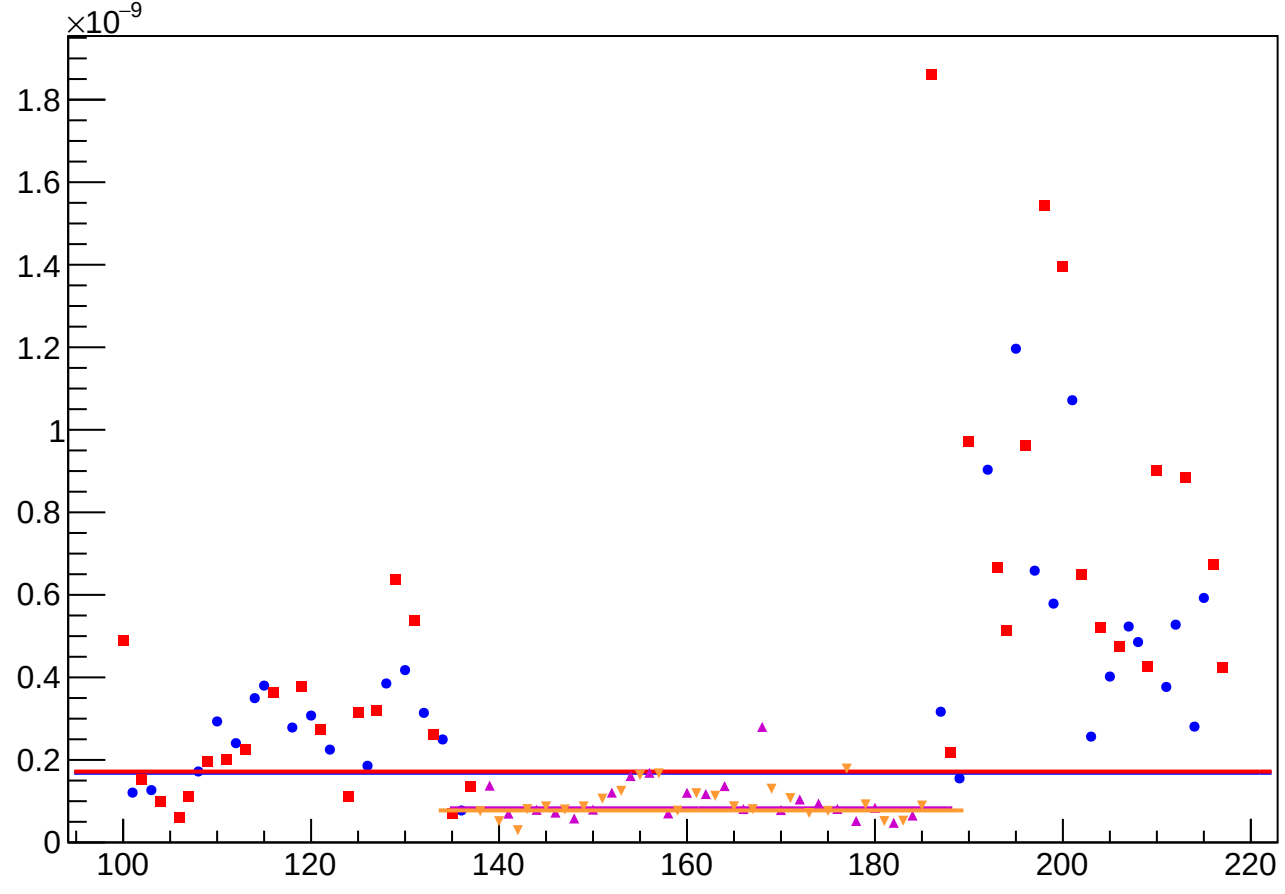
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.2/55

All: 0.000+/-0.000 χ^2/NDF: 117.3/113

- sign 0.000+/-0.000 χ^2/NDF: 58.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 6088548.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8387558.9/34

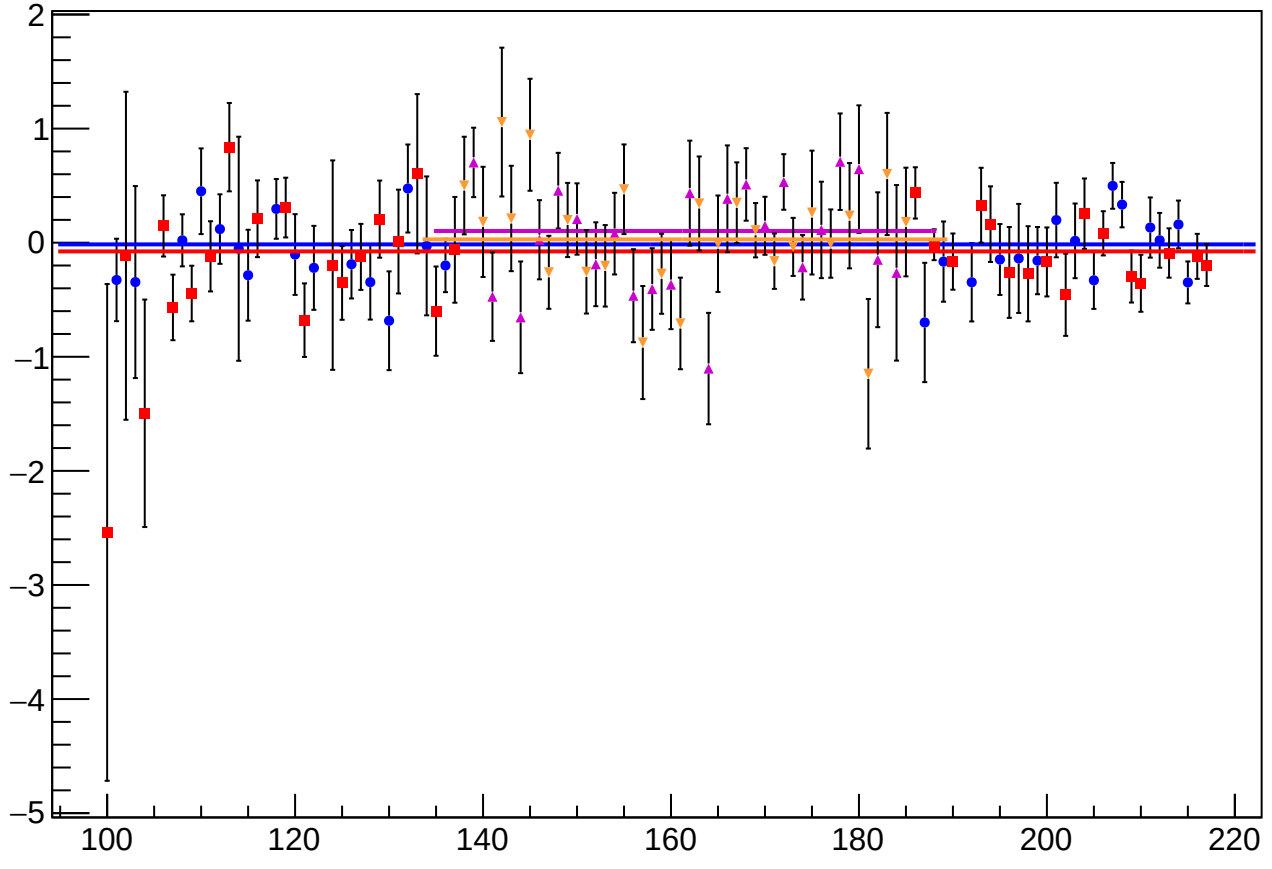
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9984304.7/55

All: 0.000+/-0.000 χ^2/NDF: 21885715.7/113

- sign 0.000+/-0.000 χ^2/NDF: 11870964.7/57

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

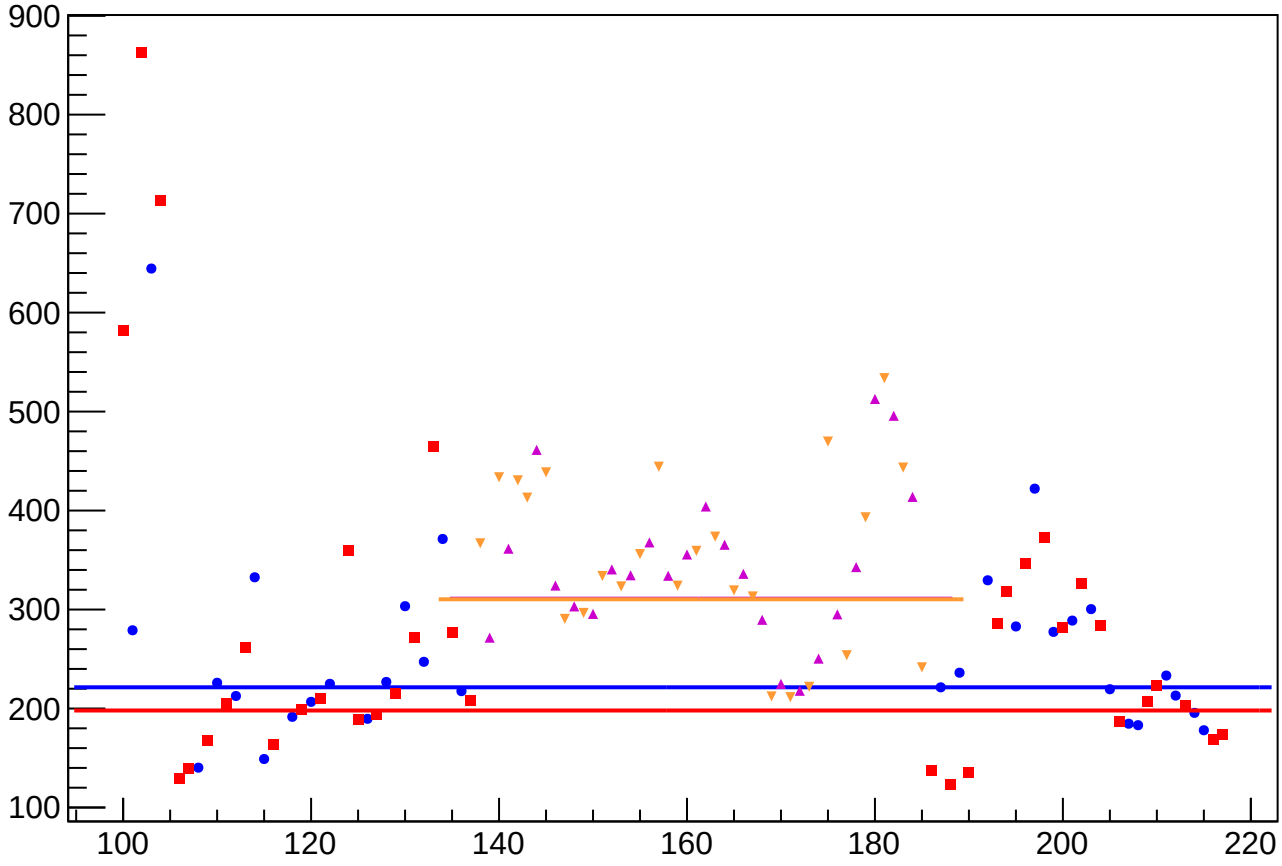
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.000+/-0.043 χ^2/NDF: 55.7/55

All: -0.014+/-0.030 χ^2/NDF: 131.2/113

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 221.448+/-0.038 χ^2/NDF: 2354036.7/30

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

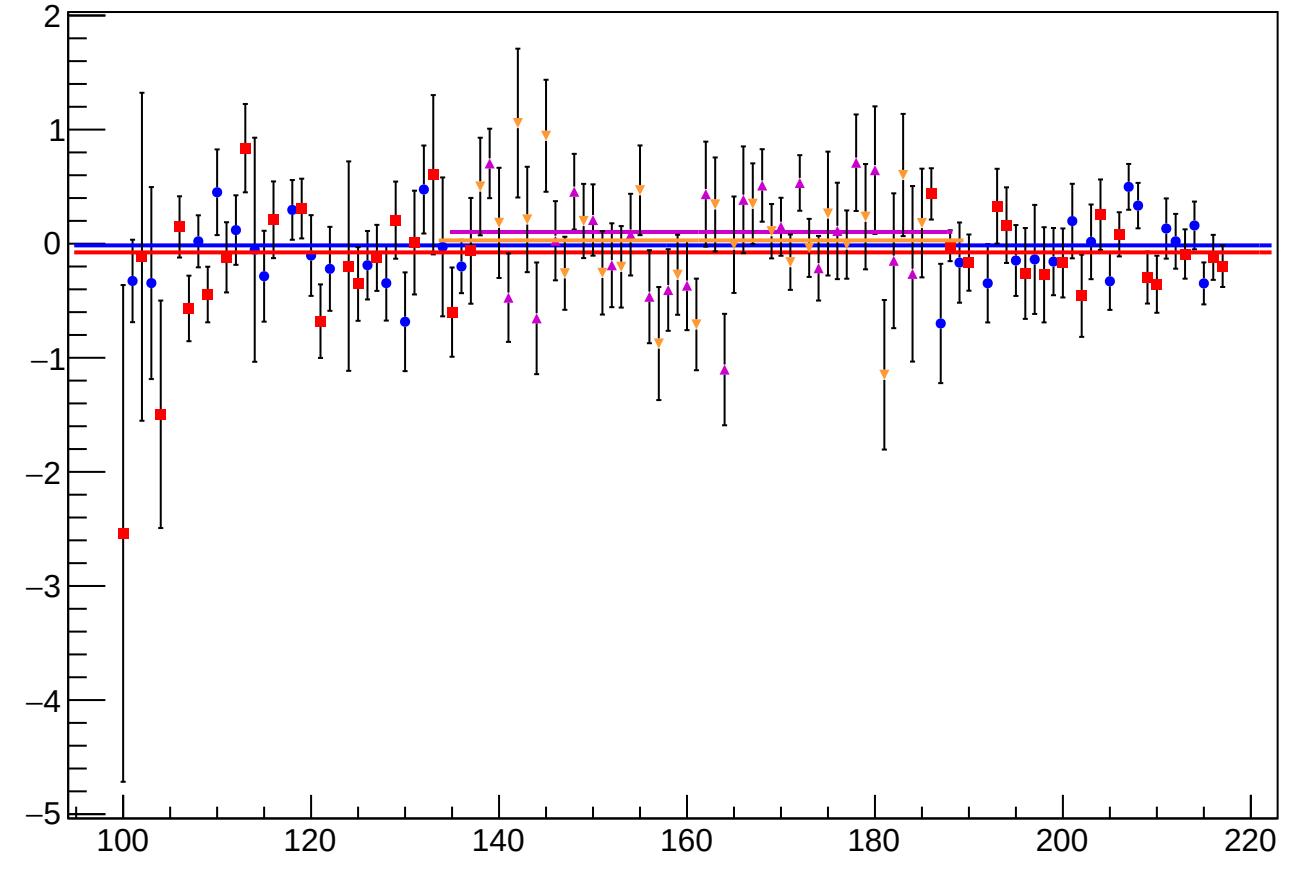
Right Out: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 251.457+/-0.031 χ^2/NDF: 6595798.8/55

All: 240.062+/-0.021 χ^2/NDF: 16046626.5/11

- sign 230.068+/-0.029 χ^2/NDF: 9191766.0/57



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

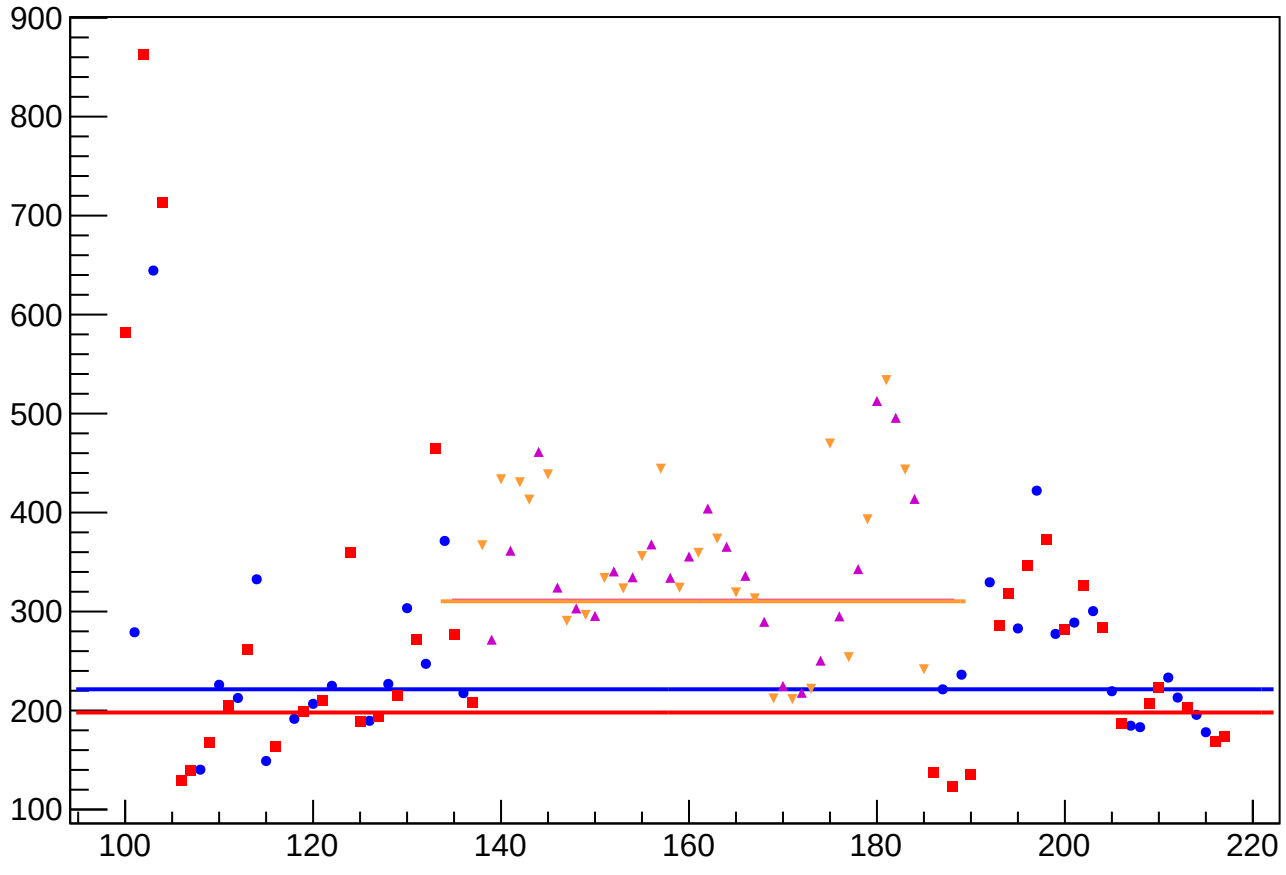
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.000+/-0.043 χ^2/NDF: 55.7/55

All: -0.014+/-0.030 χ^2/NDF: 131.2/113

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 221.448+/-0.038 χ^2/NDF: 2354036.7/30

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

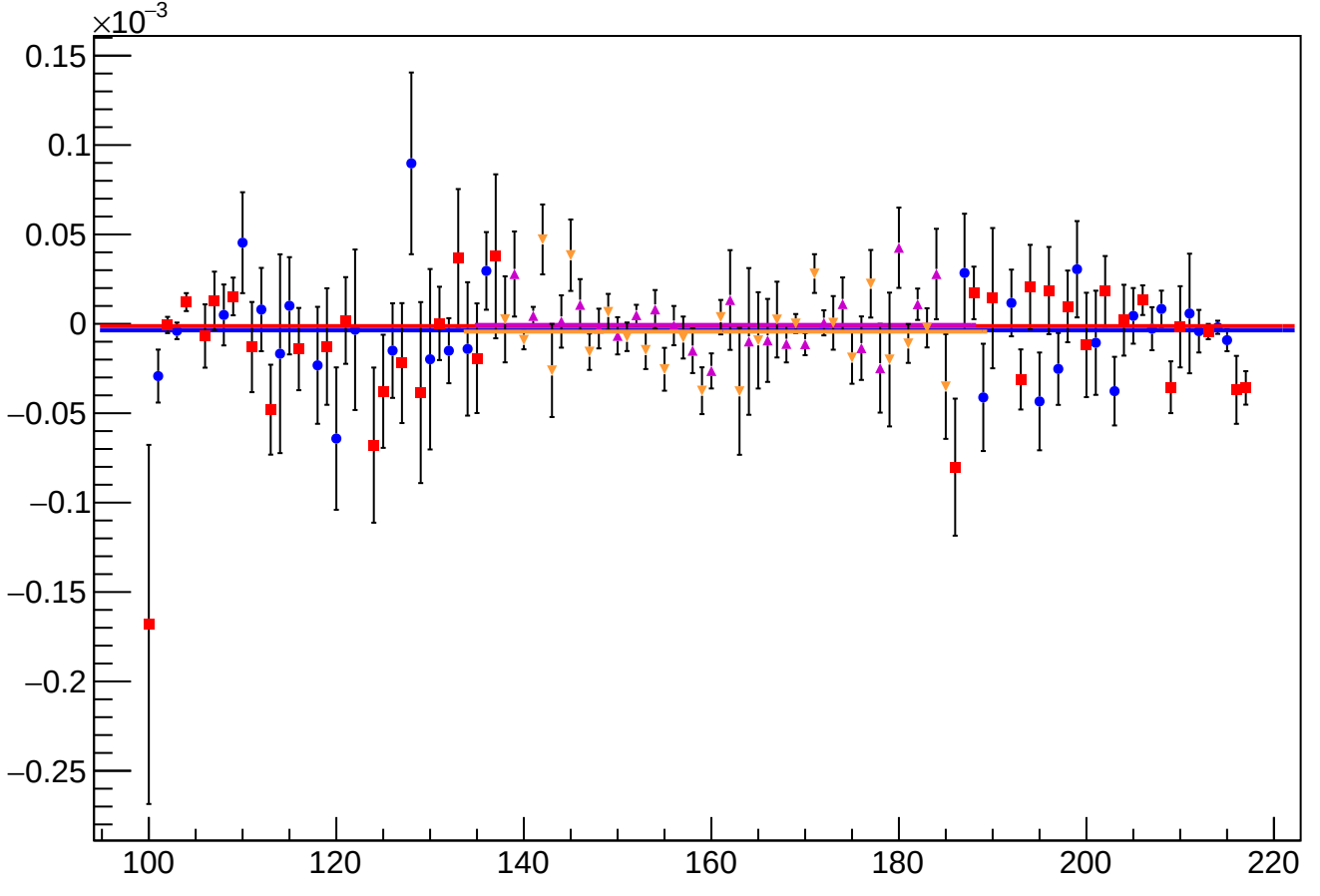
Right Out: 198.007+/-0.034 χ^2/NDF: 4448548.8/34

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 251.457+/-0.031 χ^2/NDF: 6595798.8/55

All: 240.062+/-0.021 χ^2/NDF: 16046626.5/11

- sign 230.068+/-0.029 χ^2/NDF: 9191766.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

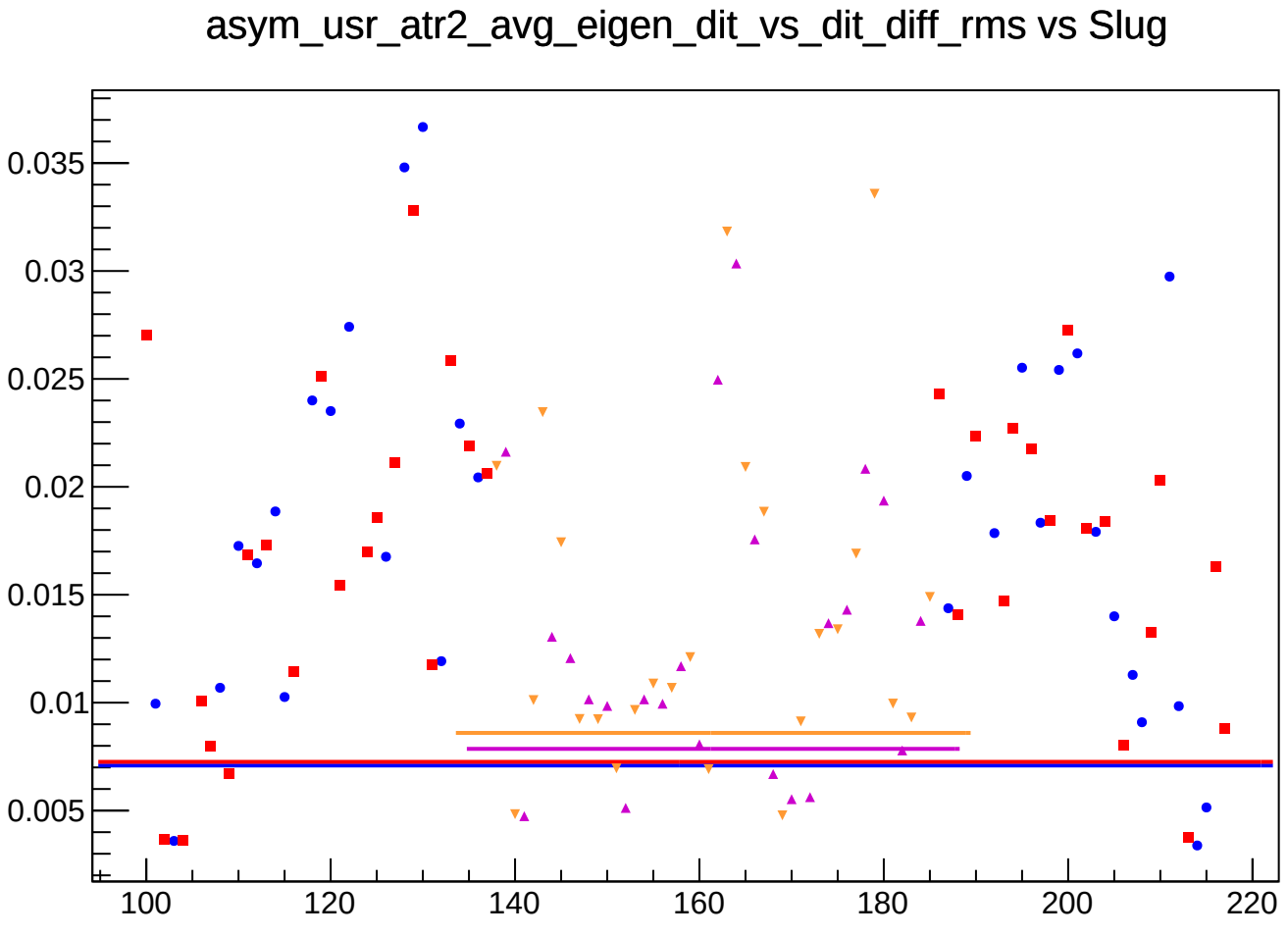
Right Out: -0.000+/-0.000 χ^2/NDF: 62.4/34

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.3/55

All: -0.000+/-0.000 χ^2/NDF: 163.3/113

- sign -0.000+/-0.000 χ^2/NDF: 89.0/57



Right In: 0.007+/-0.000 χ^2/NDF: 15184372.3/30

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

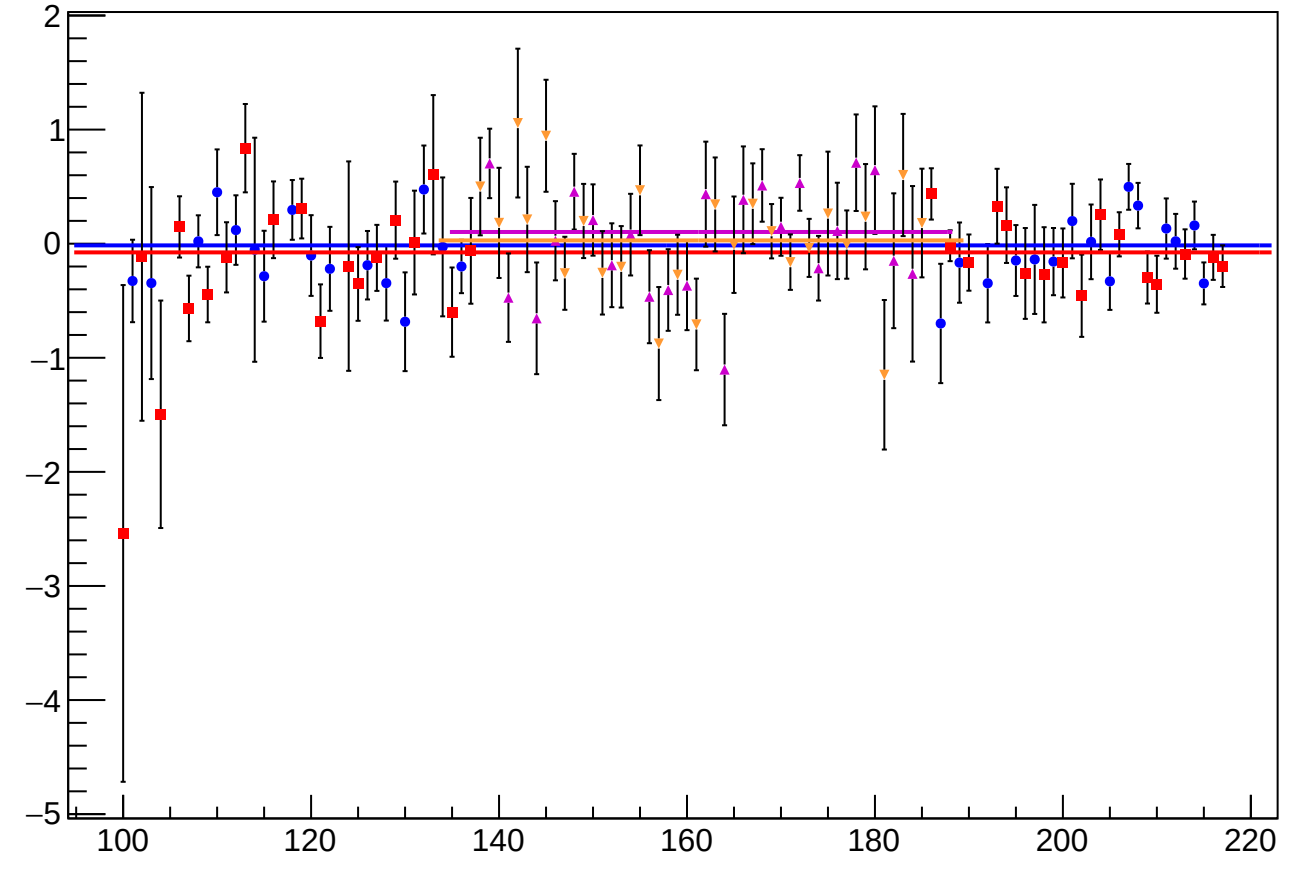
Right Out: 0.007+/-0.000 χ^2/NDF: 15071711.2/34

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 23304938.2/55

All: 0.008+/-0.000 χ^2/NDF: 45268298.1/113

- sign 0.008+/-0.000 χ^2/NDF: 21932500.9/57



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

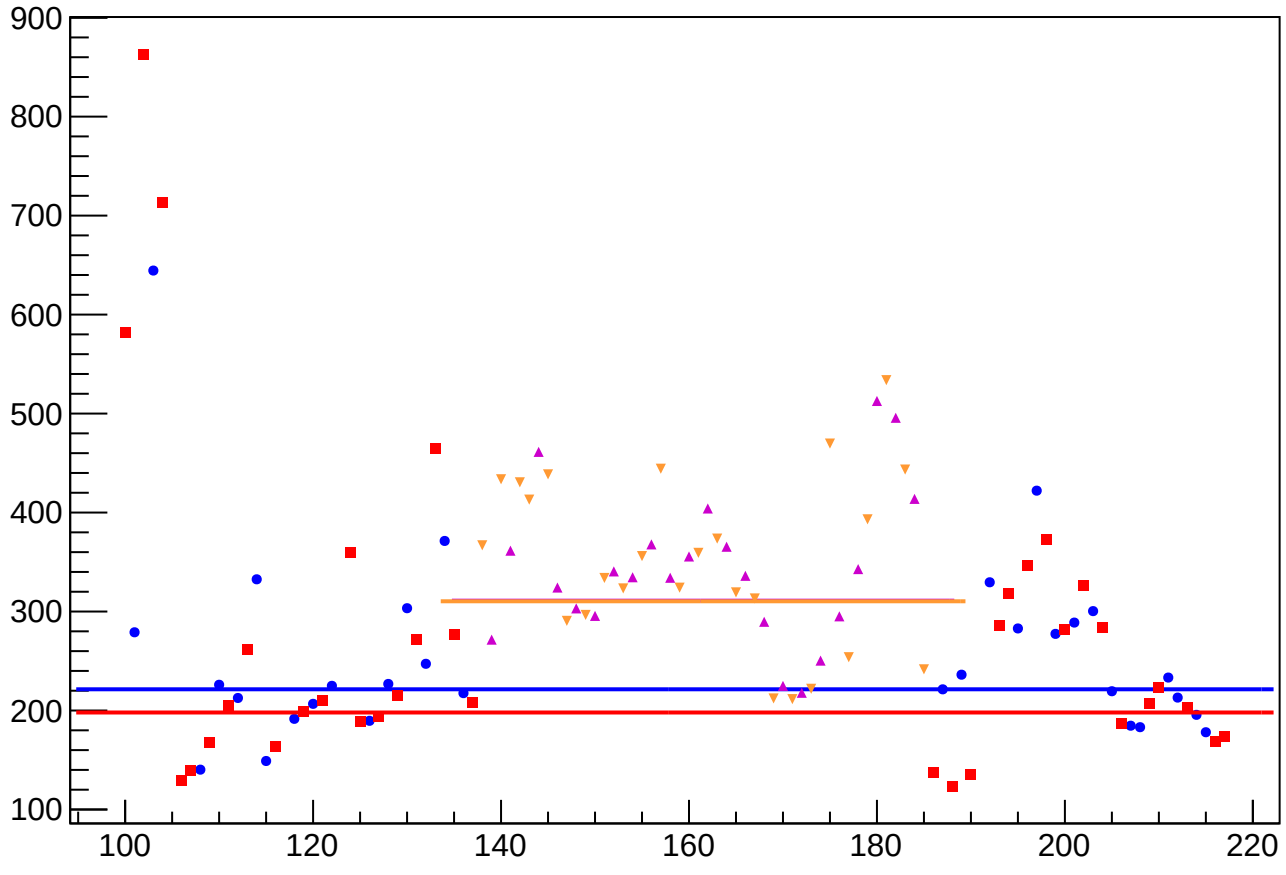
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.000+/-0.043 χ^2/NDF: 55.7/55

All: -0.014+/-0.030 χ^2/NDF: 131.2/113

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 221.448+/-0.038 χ^2/NDF: 2354038.2/30

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

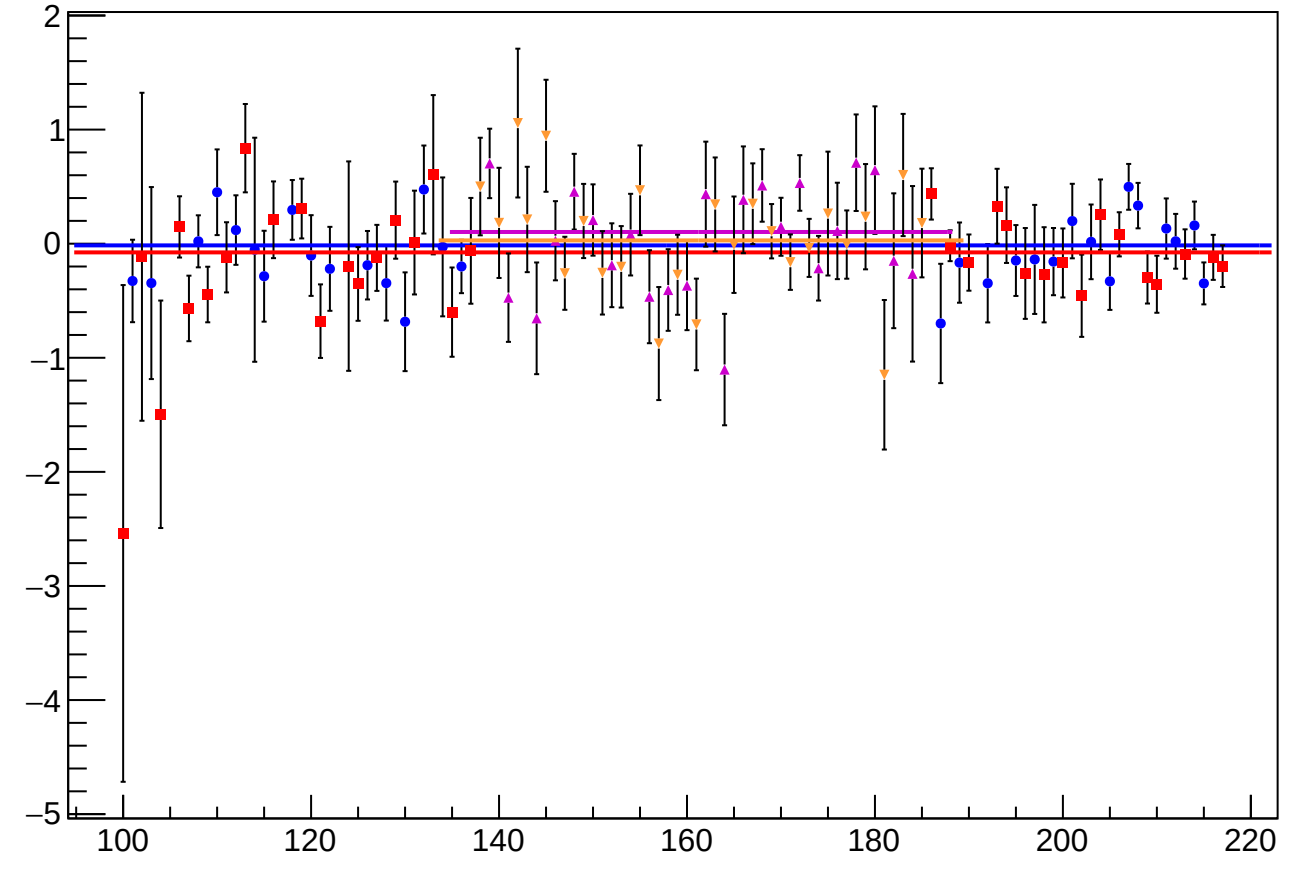
Right Out: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 251.458+/-0.031 χ^2/NDF: 6595994.8/55

All: 240.061+/-0.021 χ^2/NDF: 16047283.6/11

- sign 230.066+/-0.029 χ^2/NDF: 9192189.8/57



Right In: -0.015+/-0.053 χ^2/NDF: 30.1/30

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

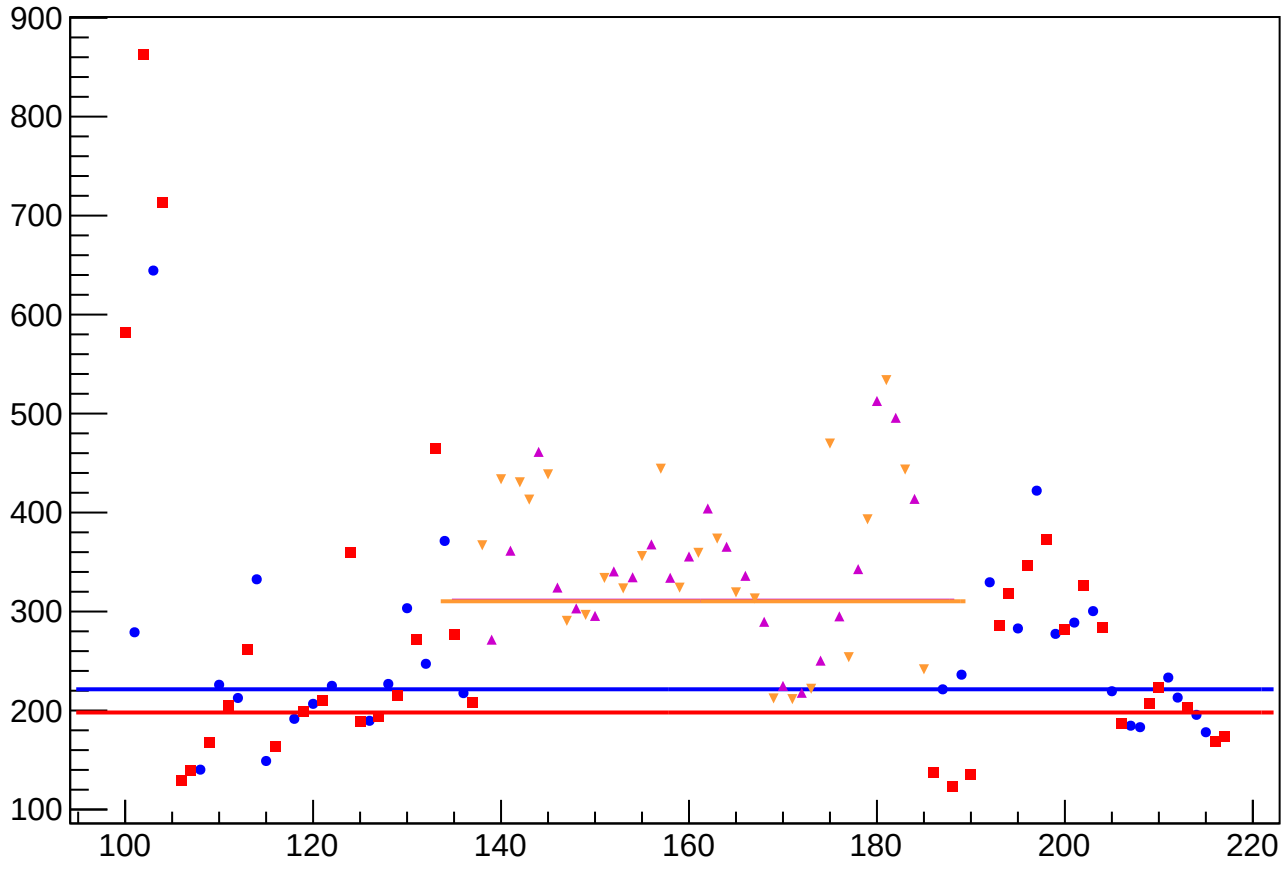
Right Out: -0.076+/-0.048 χ^2/NDF: 39.1/34

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.000+/-0.043 χ^2/NDF: 55.7/55

All: -0.014+/-0.030 χ^2/NDF: 131.2/113

- sign -0.026+/-0.041 χ^2/NDF: 75.3/57



Right In: 221.448+/-0.038 χ^2/NDF: 2354038.2/30

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

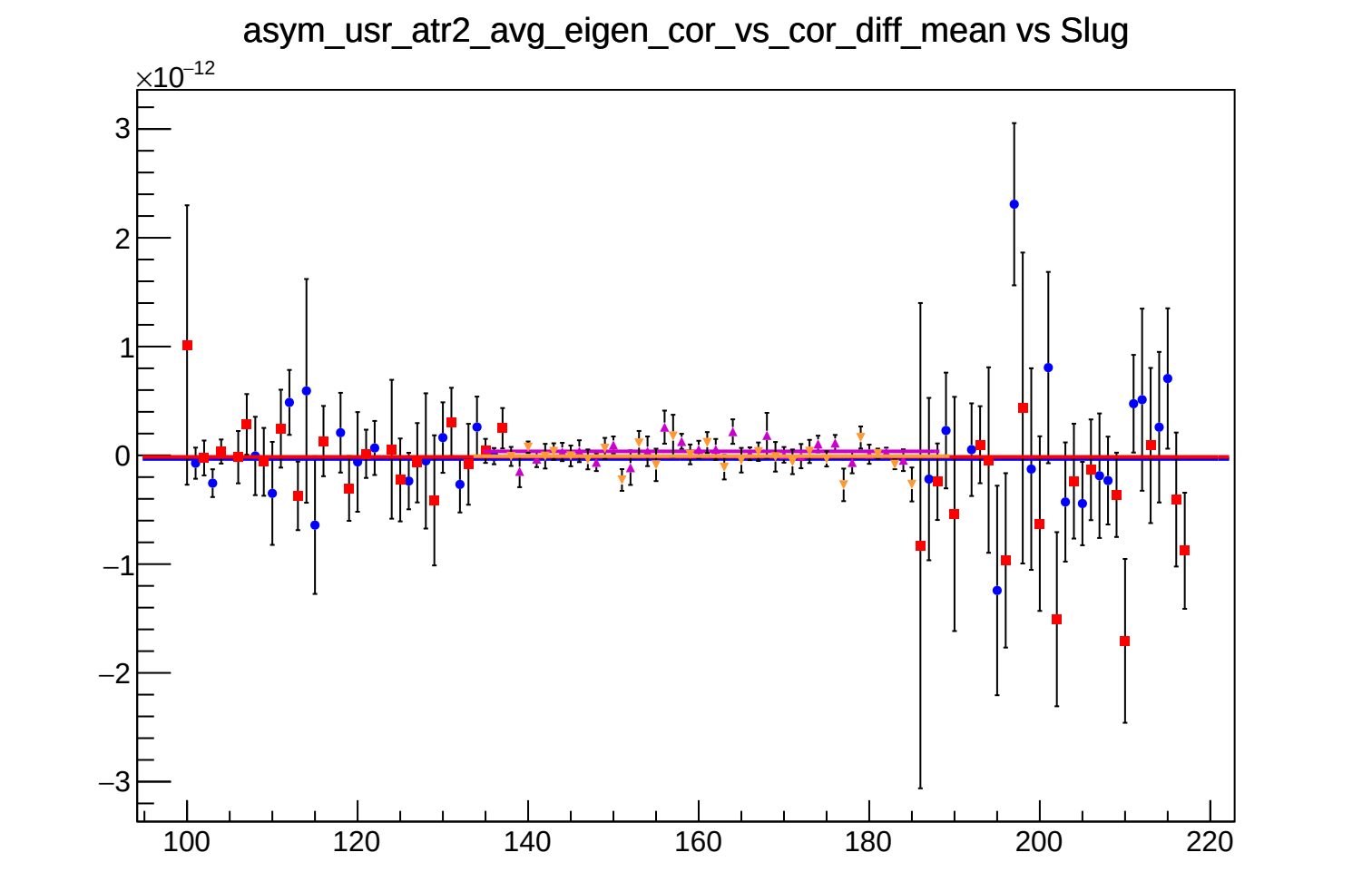
Right Out: 198.005+/-0.034 χ^2/NDF: 4448682.0/34

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 251.458+/-0.031 χ^2/NDF: 6595994.8/55

All: 240.061+/-0.021 χ^2/NDF: 16047283.6/11

- sign 230.066+/-0.029 χ^2/NDF: 9192189.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

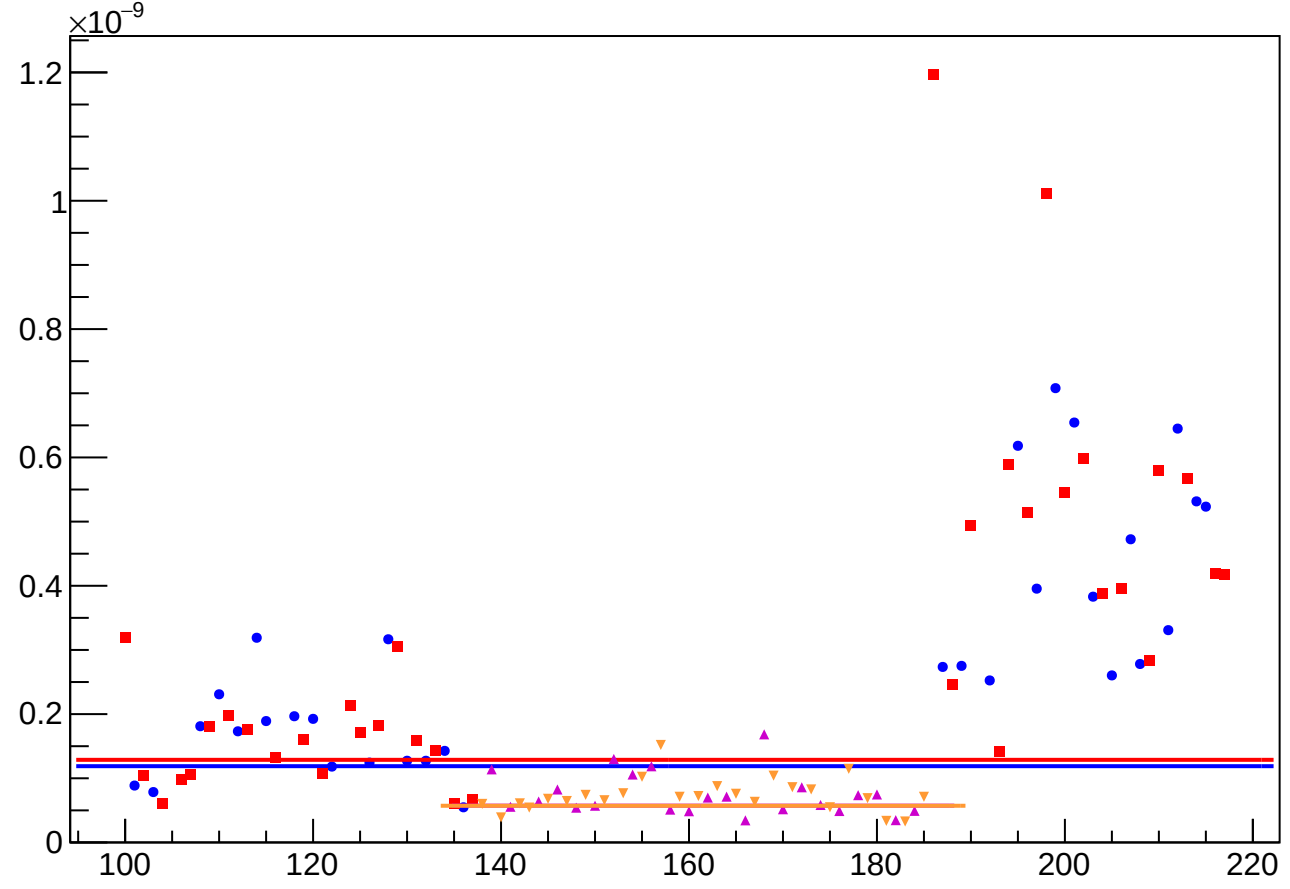
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/34

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.5/55

All: 0.000+/-0.000 χ^2/NDF: 101.1/113

- sign 0.000+/-0.000 χ^2/NDF: 42.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 9833977.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10302960.6/34

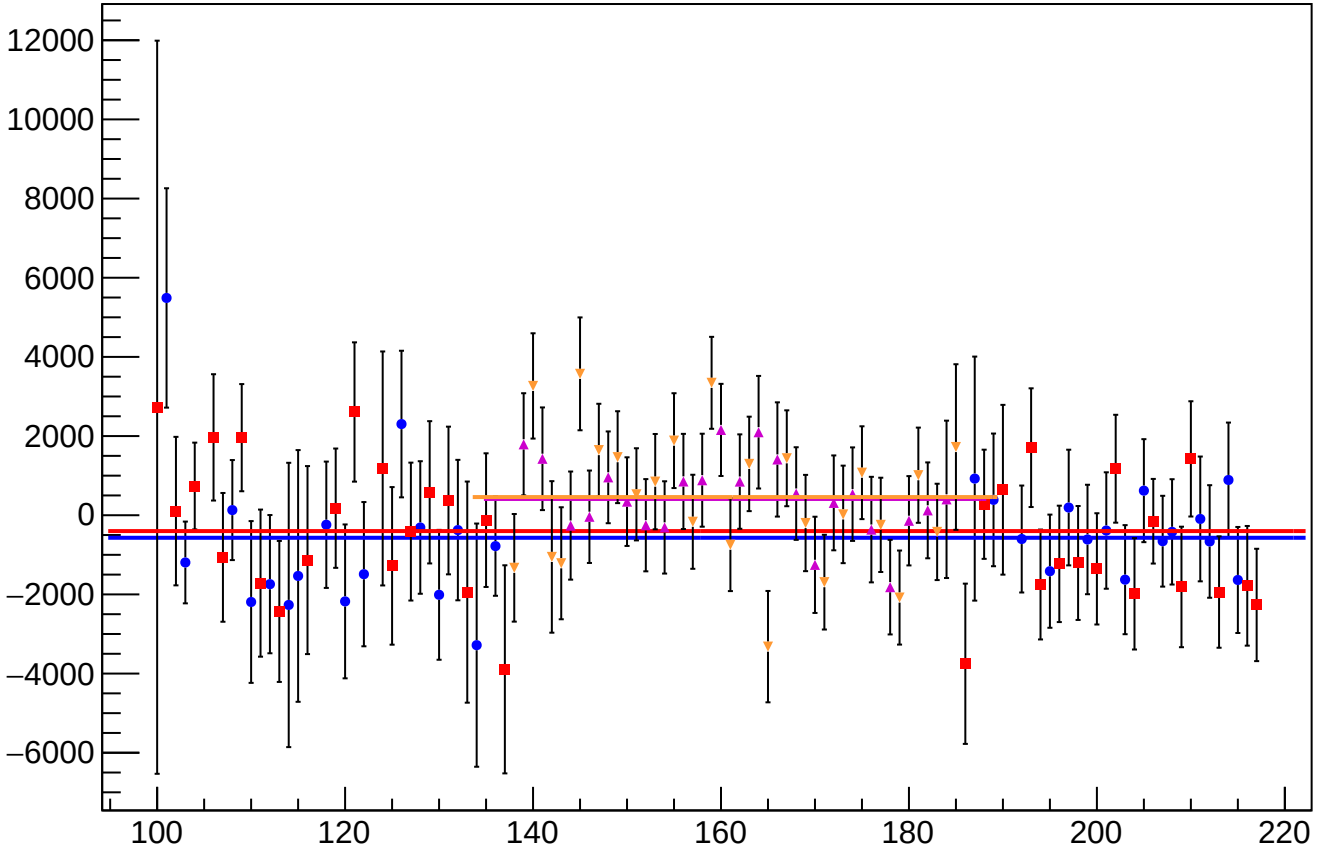
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16179362.8/55

All: 0.000+/-0.000 χ^2/NDF: 33560448.3/113

- sign 0.000+/-0.000 χ^2/NDF: 17376245.8/57

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -569.238+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -400.473+/-271.452 χ^2/NDF: 30.8/34

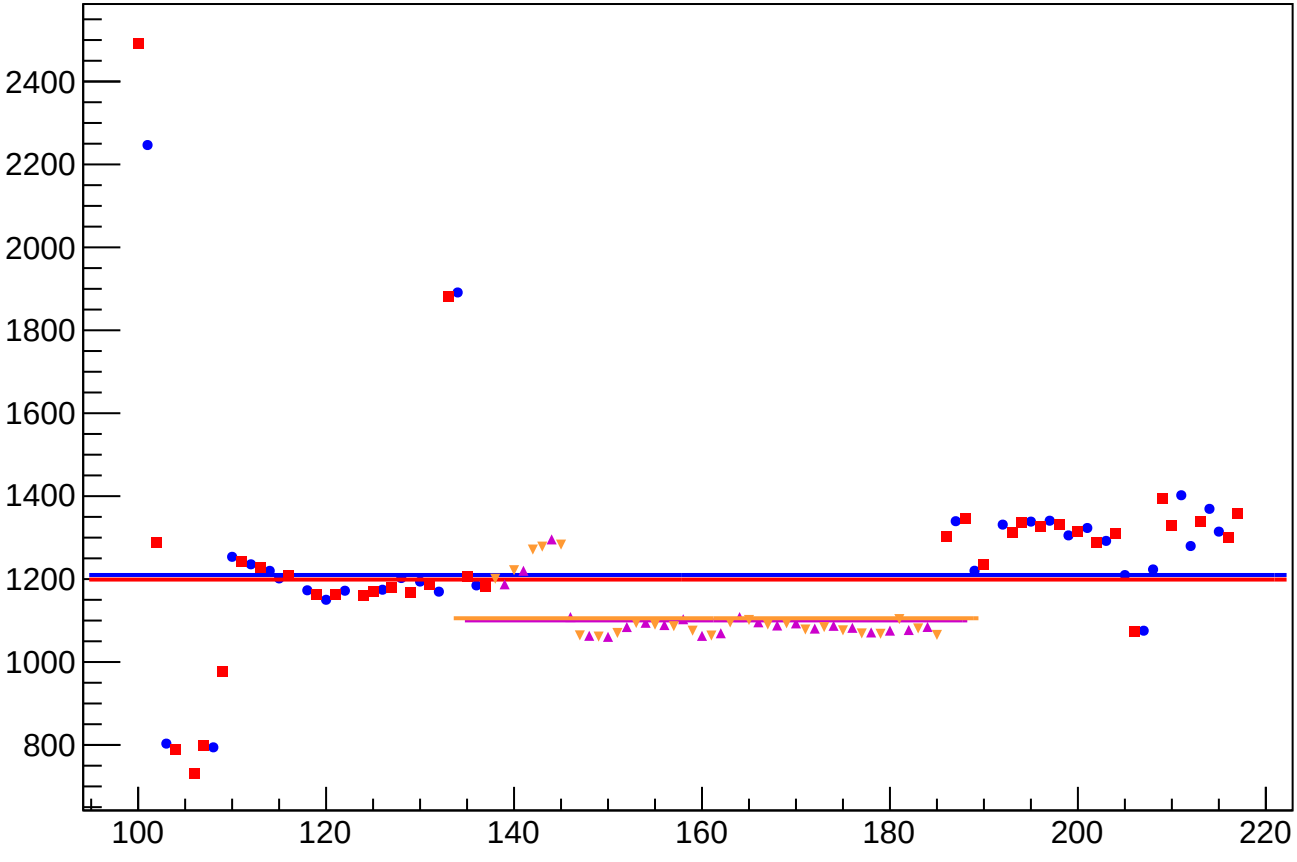
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign -1.224+/-186.974 χ^2/NDF: 65.8/55

All: 13.039+/-132.115 χ^2/NDF: 114.9/113

- sign 27.260+/-186.703 χ^2/NDF: 49.1/57

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1209.919+/-0.198 χ^2/NDF: 1092123.5/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

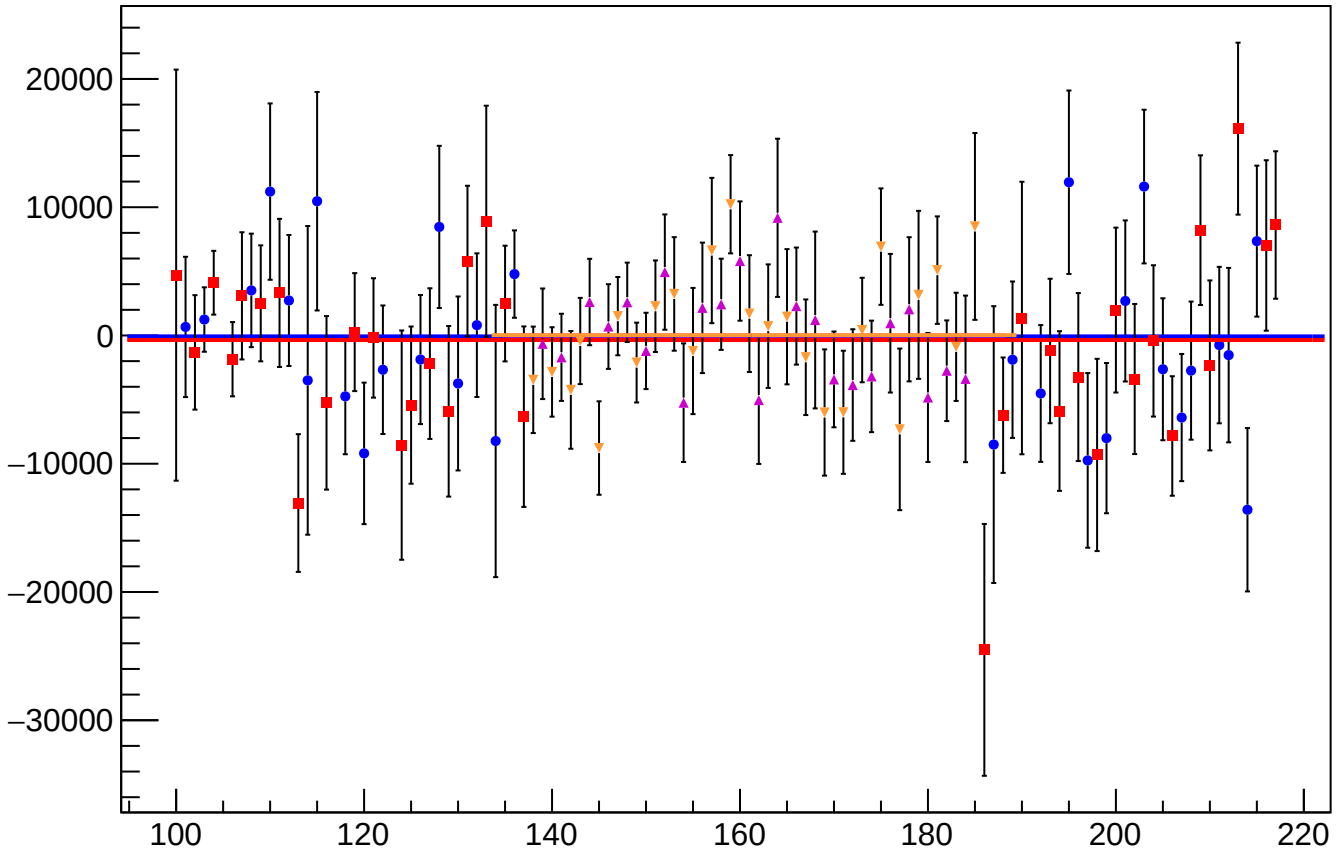
Right Out: 1198.865+/-0.191 χ^2/NDF: 1092772.3/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1152.251+/-0.132 χ^2/NDF: 1368150.5/55

All: 1149.684+/-0.093 χ^2/NDF: 2681252.5/11

- sign 1147.132+/-0.132 χ^2/NDF: 1312350.0/57



Right In: -72.179+/-970.371 χ^2/NDF: 34.8/30

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -355.394+/-902.201 χ^2/NDF: 41.8/34

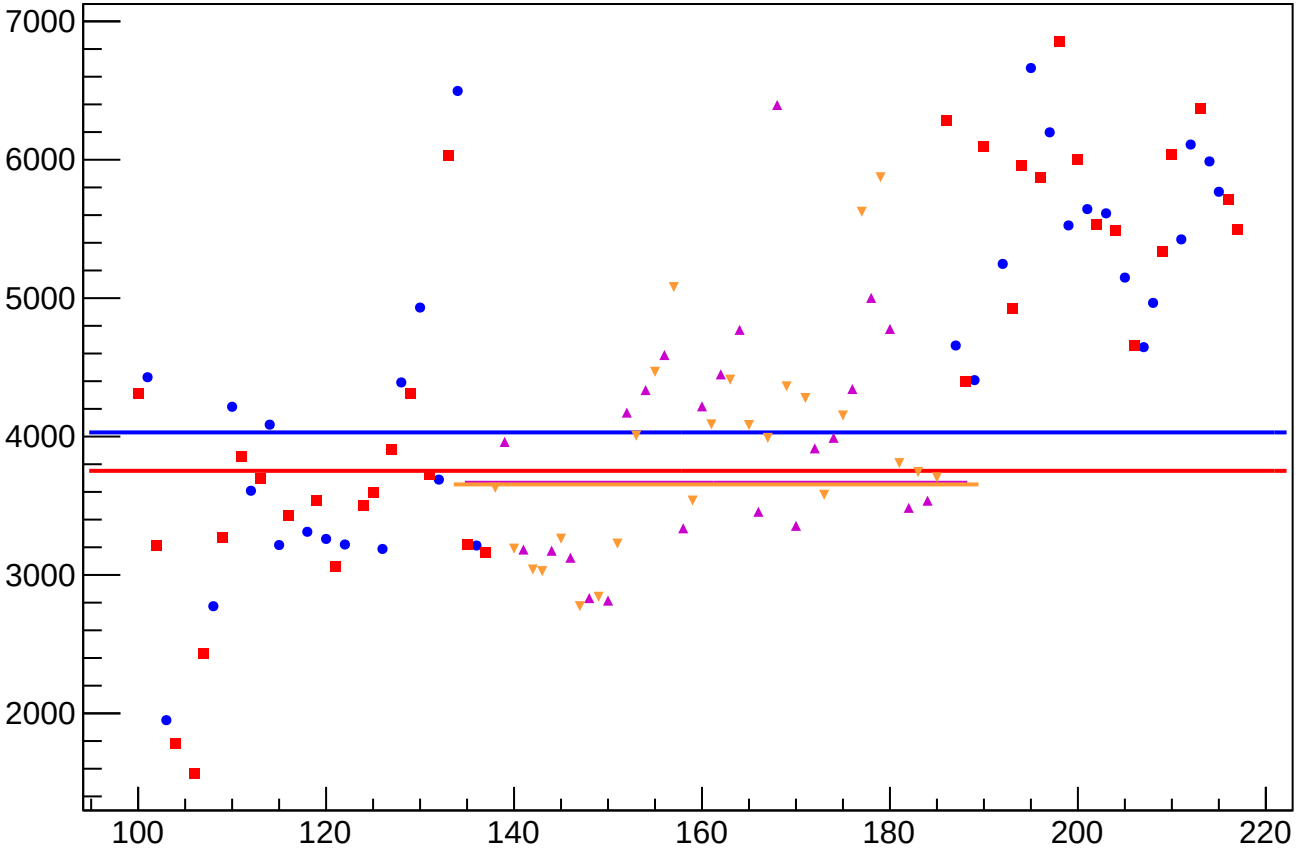
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign -18.137+/-639.560 χ^2/NDF: 63.3/55

All: -98.260+/-448.170 χ^2/NDF: 119.3/113

- sign -175.565+/-628.209 χ^2/NDF: 55.9/57

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 4029.923+/-0.686 χ^2/NDF: 3867817.5/30

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3752.331+/-0.638 χ^2/NDF: 5722138.8/34

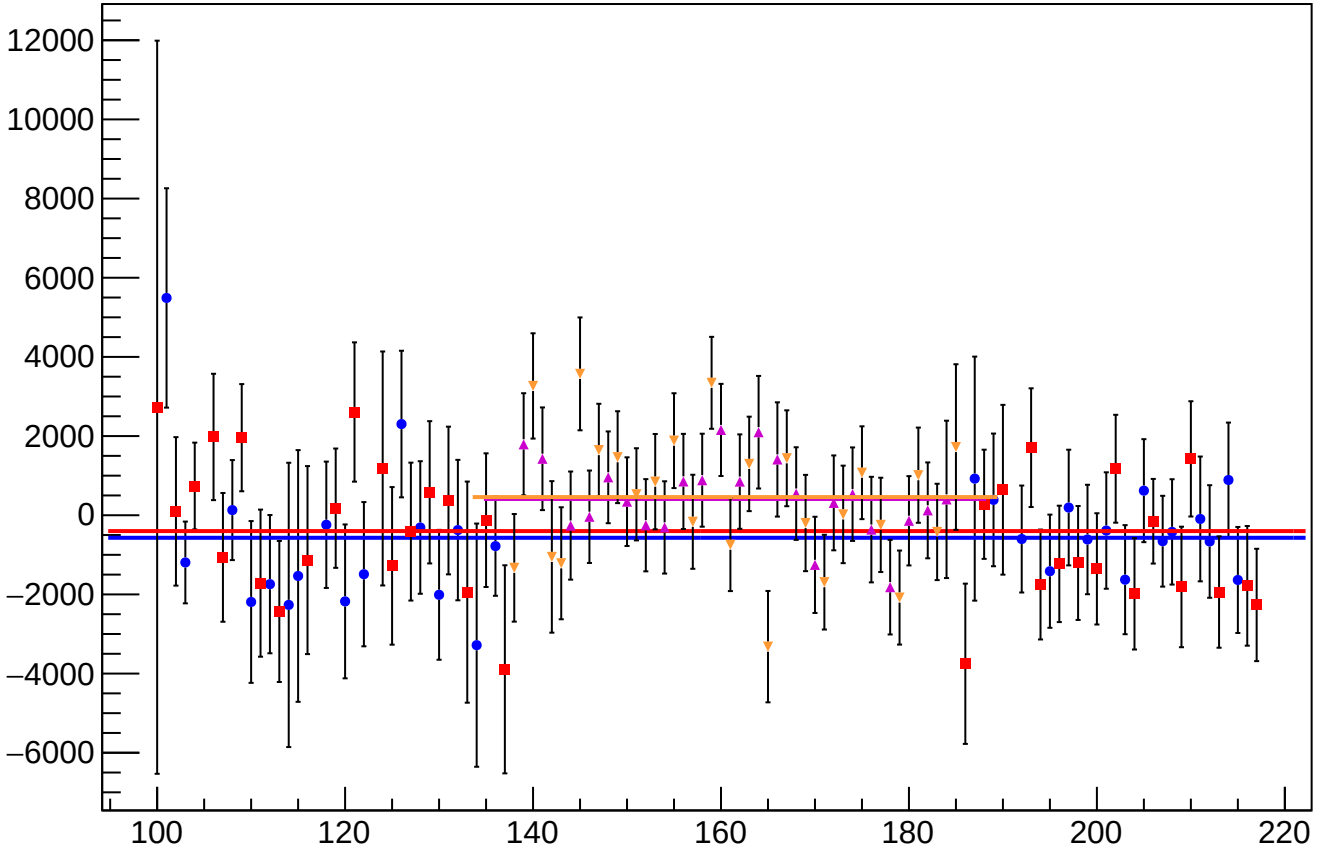
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

\+ sign 3817.412+/-0.452 χ^2/NDF: 5349171.9/55

All: 3761.684+/-0.317 χ^2/NDF: 12454263.2/1

\- sign 3707.918+/-0.444 χ^2/NDF: 7075256.4/57

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -569.258+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

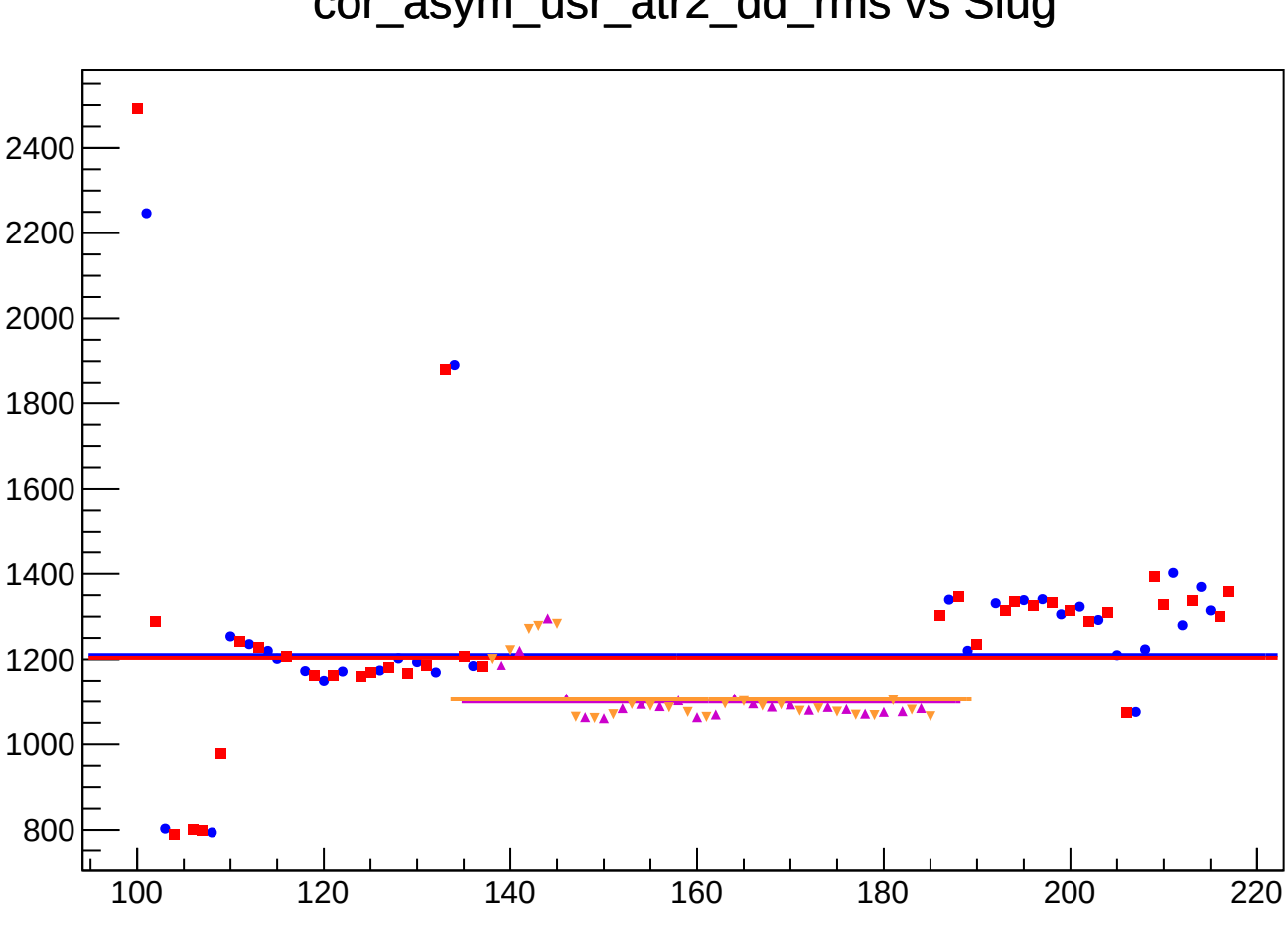
Right Out: -400.346+/-271.453 χ^2/NDF: 30.8/34

Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -1.199+/-186.975 χ^2/NDF: 65.8/55

All: 13.057+/-132.115 χ^2/NDF: 115.0/113

- sign 27.271+/-186.704 χ^2/NDF: 49.2/57



Right In: 1209.919+/-0.198 χ^2/NDF: 1092118.8/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

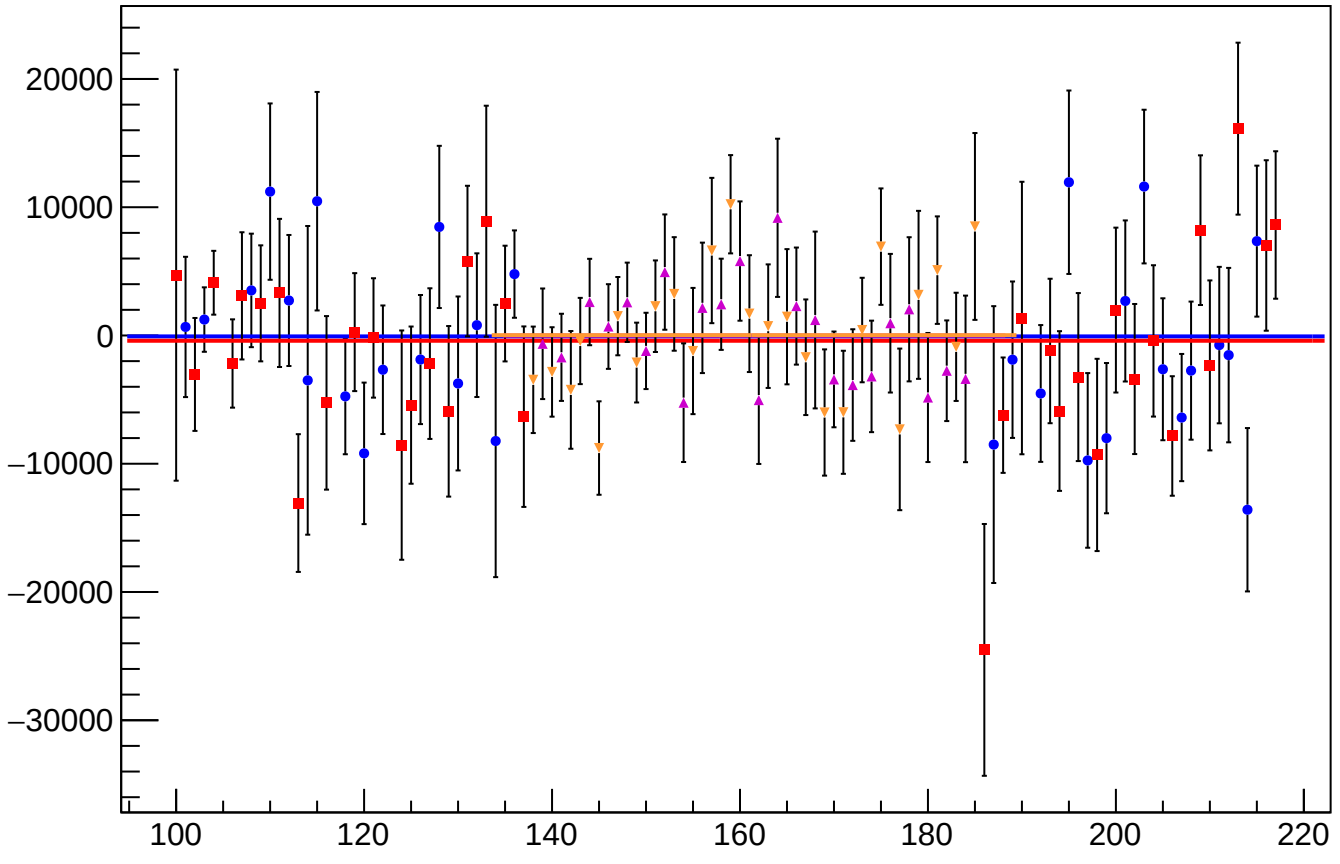
Right Out: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1152.251+/-0.132 χ^2/NDF: 1368146.6/55

All: 1150.744+/-0.093 χ^2/NDF: 2610162.2/11

- sign 1149.241+/-0.132 χ^2/NDF: 1241755.9/57



Right In: -72.580+/-970.395 χ^2/NDF: 34.8/30

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -410.693+/-914.810 χ^2/NDF: 42.2/34

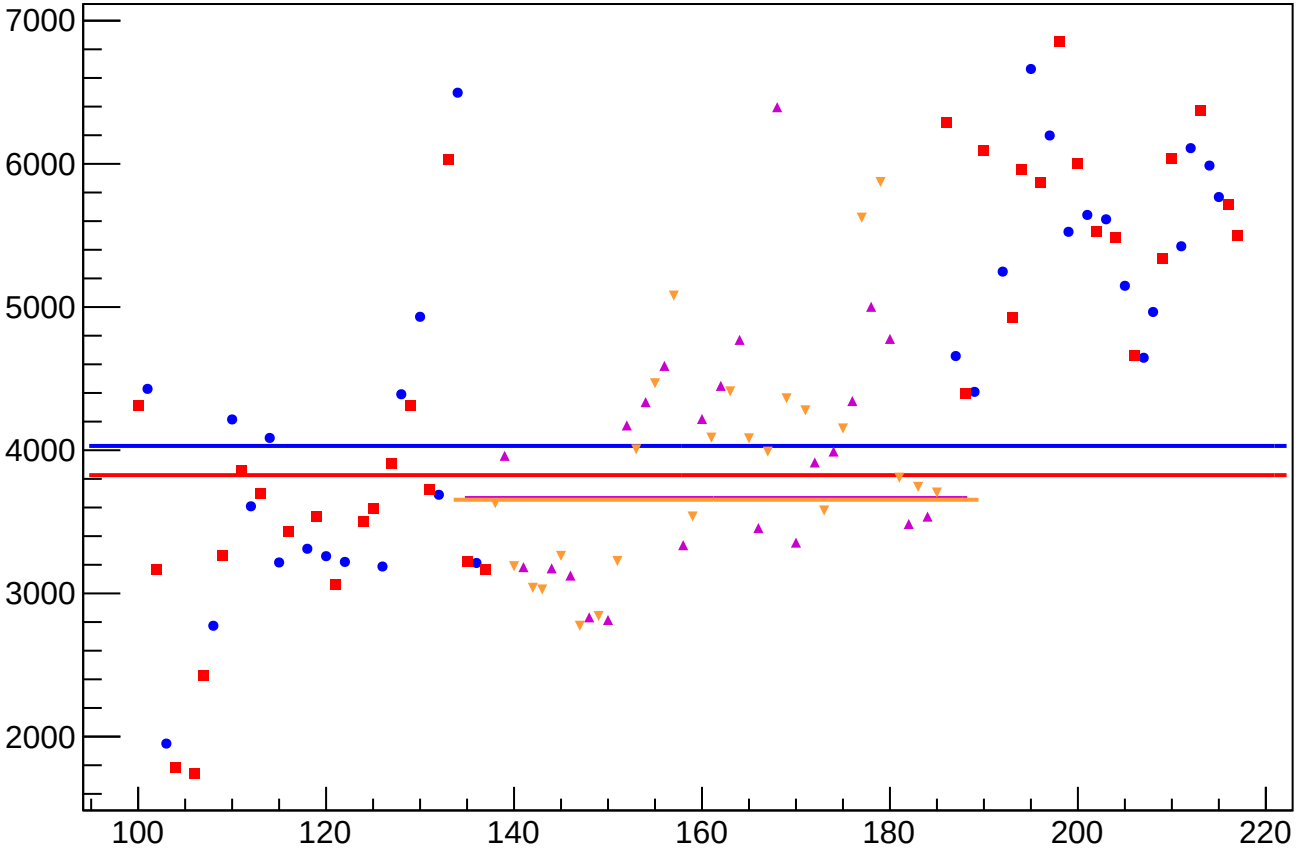
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -18.312+/-639.566 χ^2/NDF: 63.3/55

All: -109.975+/-449.694 χ^2/NDF: 119.6/113

- sign -199.600+/-632.420 χ^2/NDF: 56.3/57

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 4030.079+/-0.686 χ^2/NDF: 3866879.2/30

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

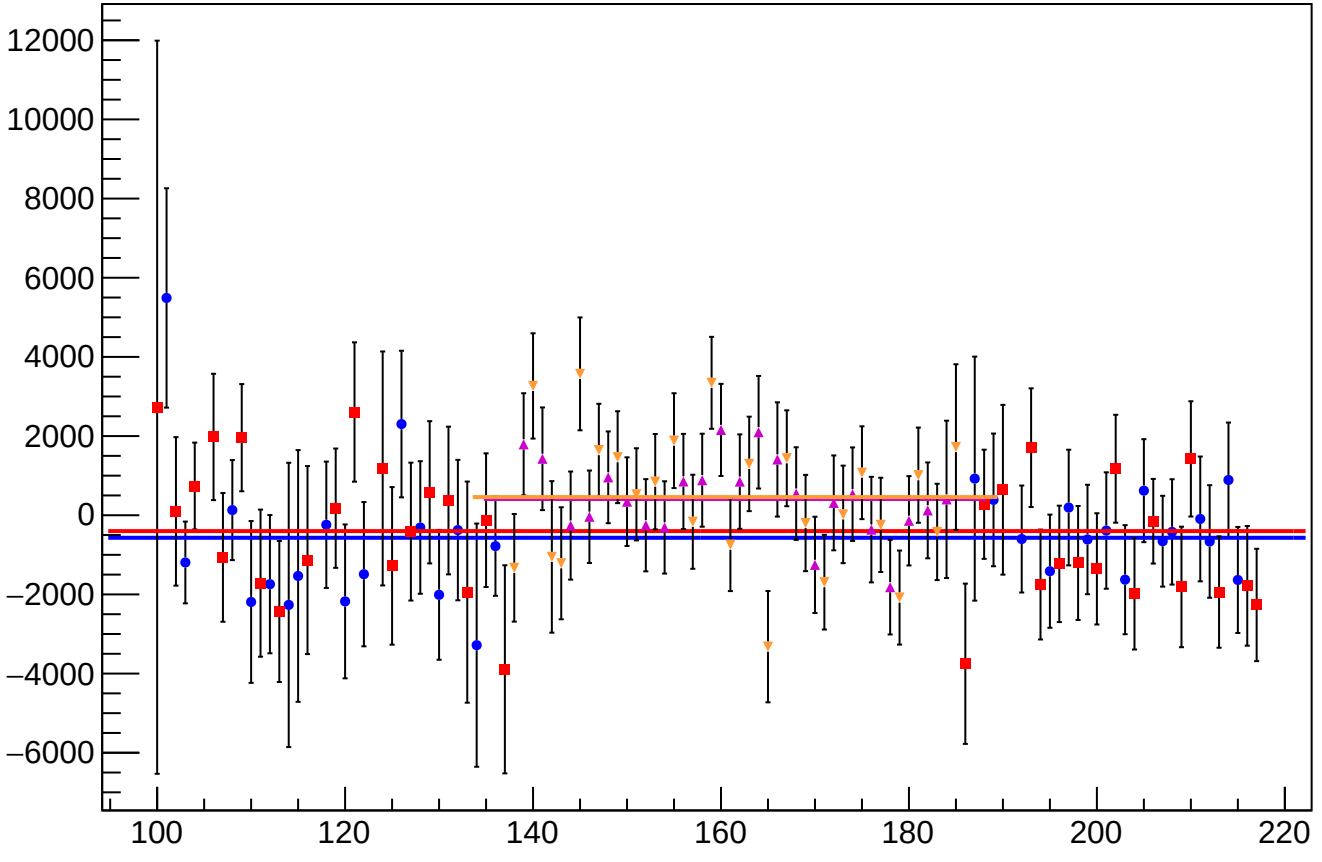
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3817.473+/-0.452 χ^2/NDF: 5348379.6/55

All: 3779.589+/-0.318 χ^2/NDF: 11993535.3/1

- sign 3742.548+/-0.447 χ^2/NDF: 6631277.2/57

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -569.258+/-279.512 χ^2/NDF: 16.2/30

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -400.346+/-271.453 χ^2/NDF: 30.8/34

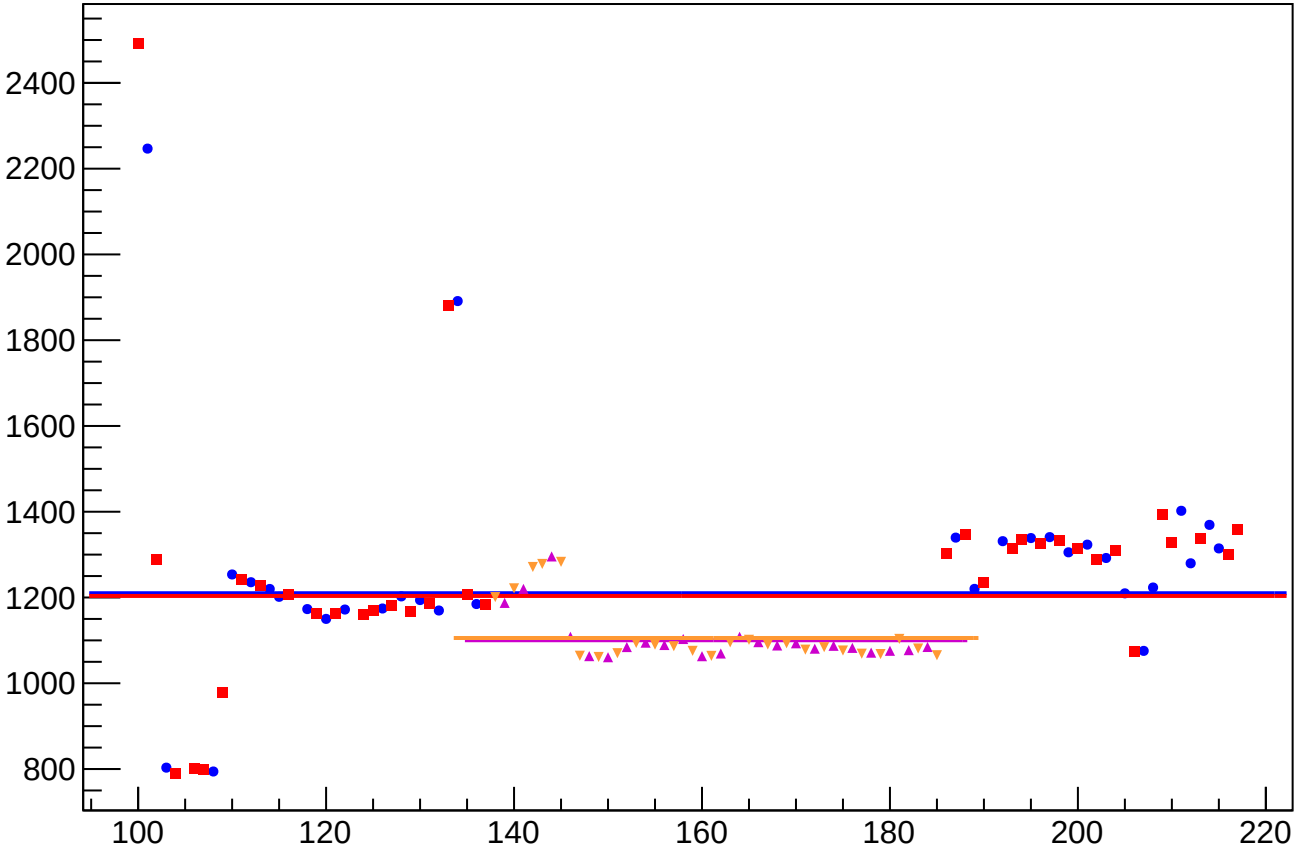
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -1.199+/-186.975 χ^2/NDF: 65.8/55

All: 13.057+/-132.115 χ^2/NDF: 115.0/113

- sign 27.271+/-186.704 χ^2/NDF: 49.2/57

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1209.919+/-0.198 χ^2/NDF: 1092118.8/30

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

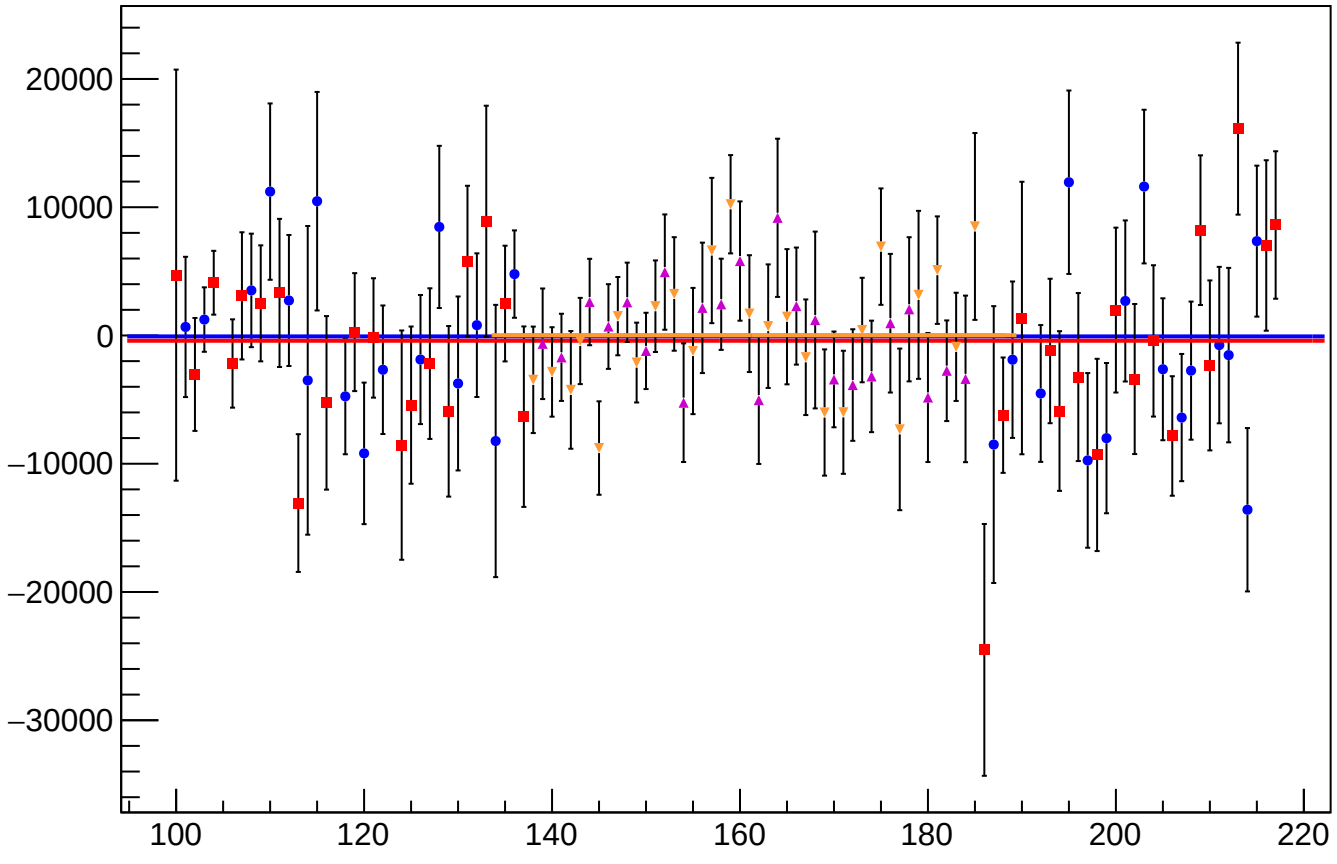
Right Out: 1203.609+/-0.192 χ^2/NDF: 1008882.6/34

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1152.251+/-0.132 χ^2/NDF: 1368146.6/55

All: 1150.744+/-0.093 χ^2/NDF: 2610162.2/11

- sign 1149.241+/-0.132 χ^2/NDF: 1241755.9/57



Right In: -72.580+/-970.395 χ^2/NDF: 34.8/30

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -410.693+/-914.810 χ^2/NDF: 42.2/34

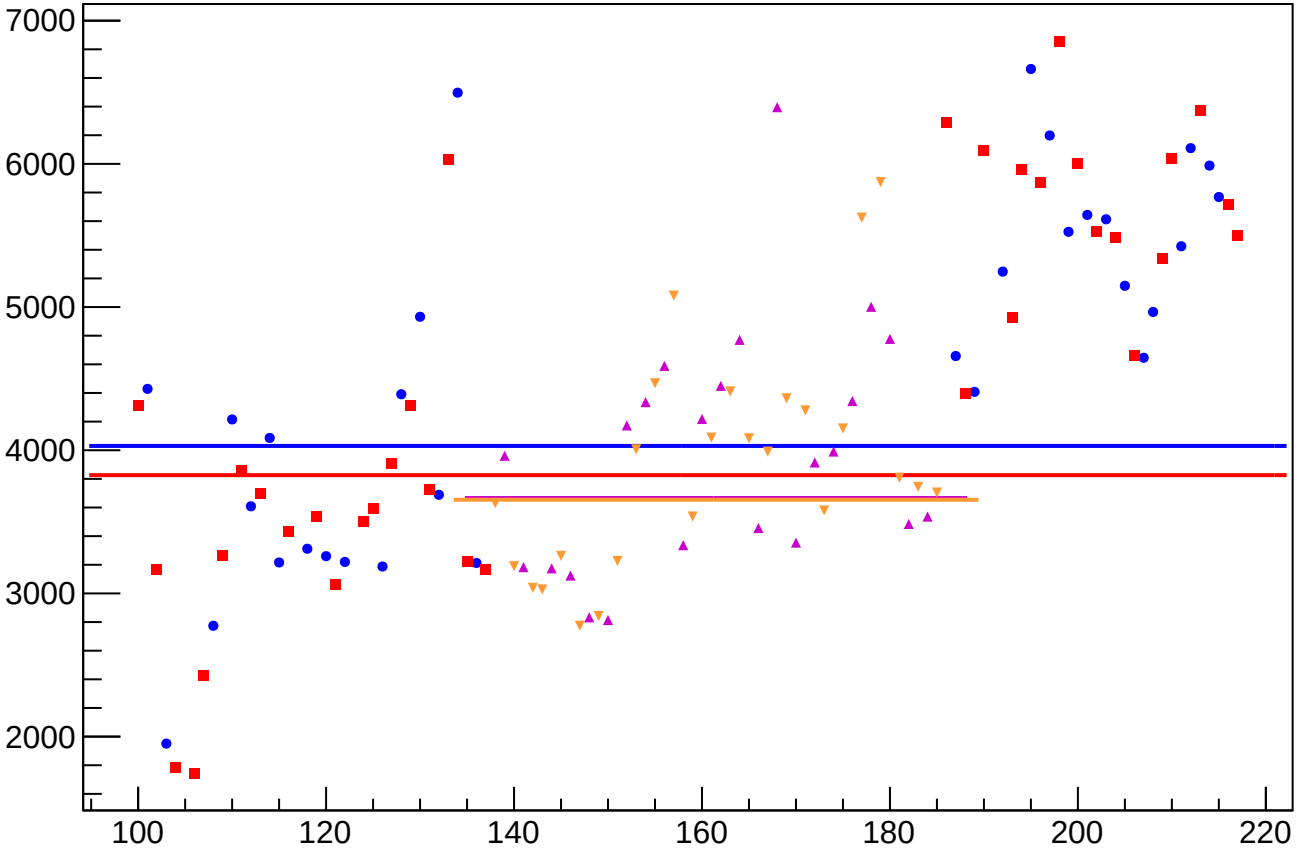
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -18.312+/-639.566 χ^2/NDF: 63.3/55

All: -109.975+/-449.694 χ^2/NDF: 119.6/113

- sign -199.600+/-632.420 χ^2/NDF: 56.3/57

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 4030.079+/-0.686 χ^2/NDF: 3866879.2/30

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3826.045+/-0.647 χ^2/NDF: 5255652.0/34

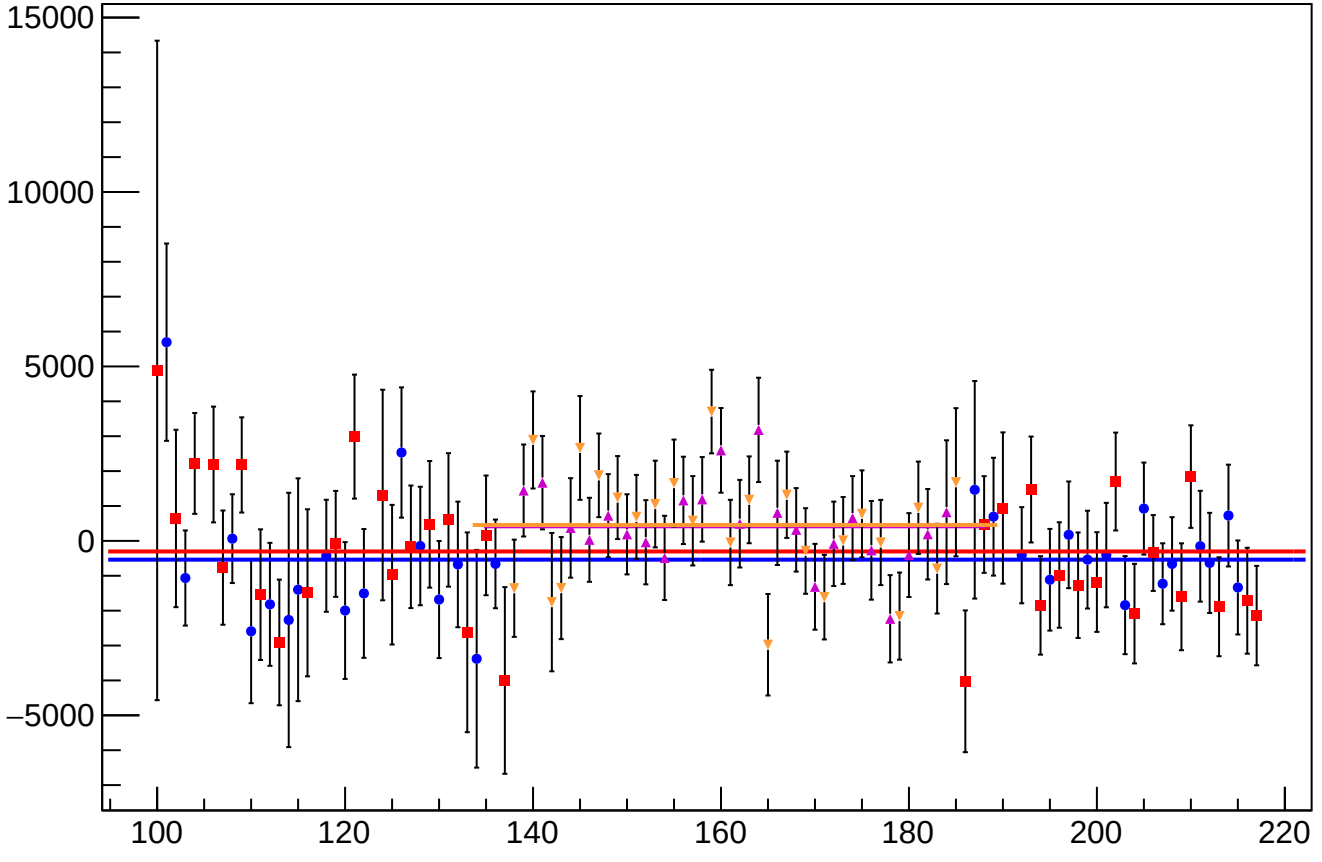
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3817.473+/-0.452 χ^2/NDF: 5348379.6/55

All: 3779.589+/-0.318 χ^2/NDF: 11993535.3/1

- sign 3742.548+/-0.447 χ^2/NDF: 6631277.2/57

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -538.239+/-287.602 χ^2/NDF: 16.9/30

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -303.390+/-280.237 χ^2/NDF: 36.6/34

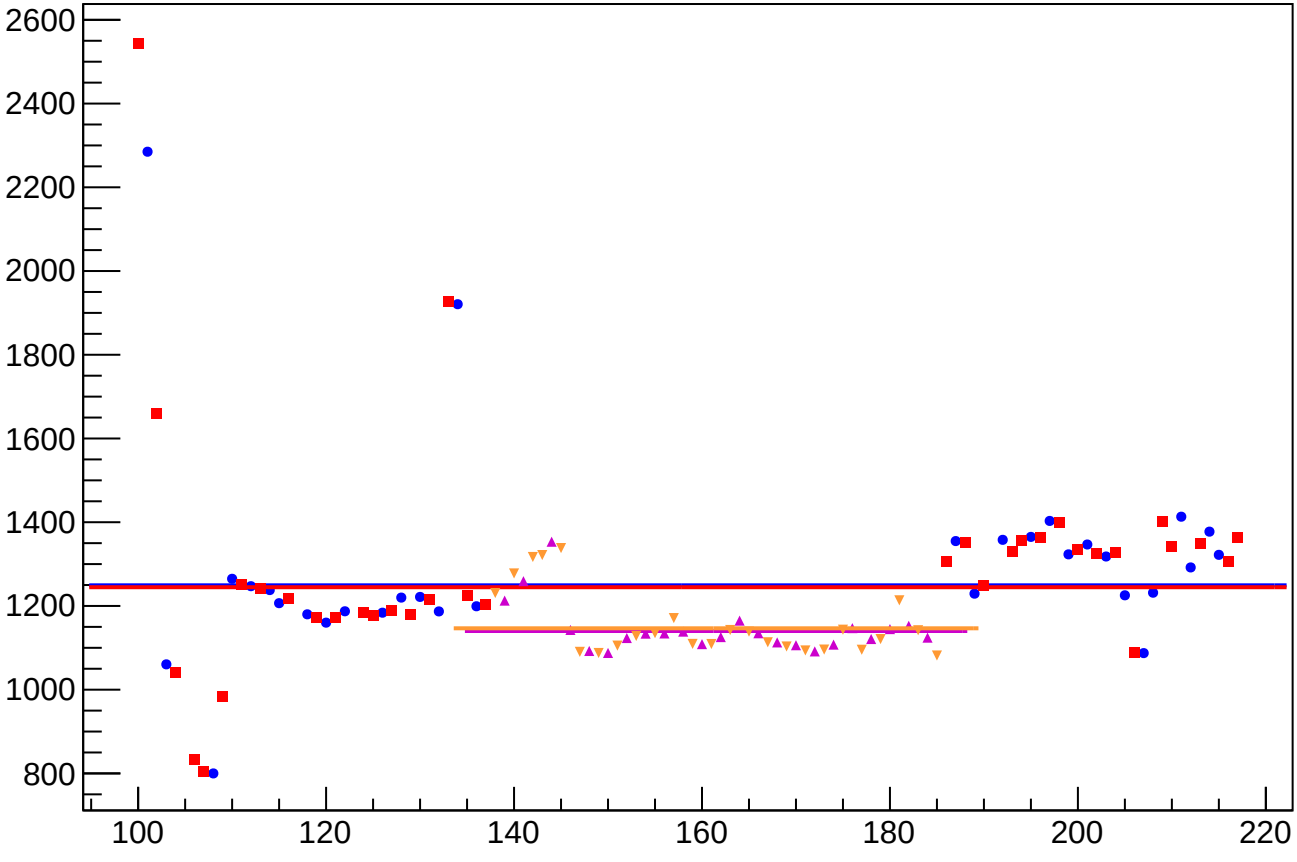
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 6.810+/-193.279 χ^2/NDF: 59.6/55

All: 40.873+/-136.623 χ^2/NDF: 117.0/113

- sign 74.889+/-193.149 χ^2/NDF: 57.4/57

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1249.264+/-0.203 χ^2/NDF: 819333.7/30

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

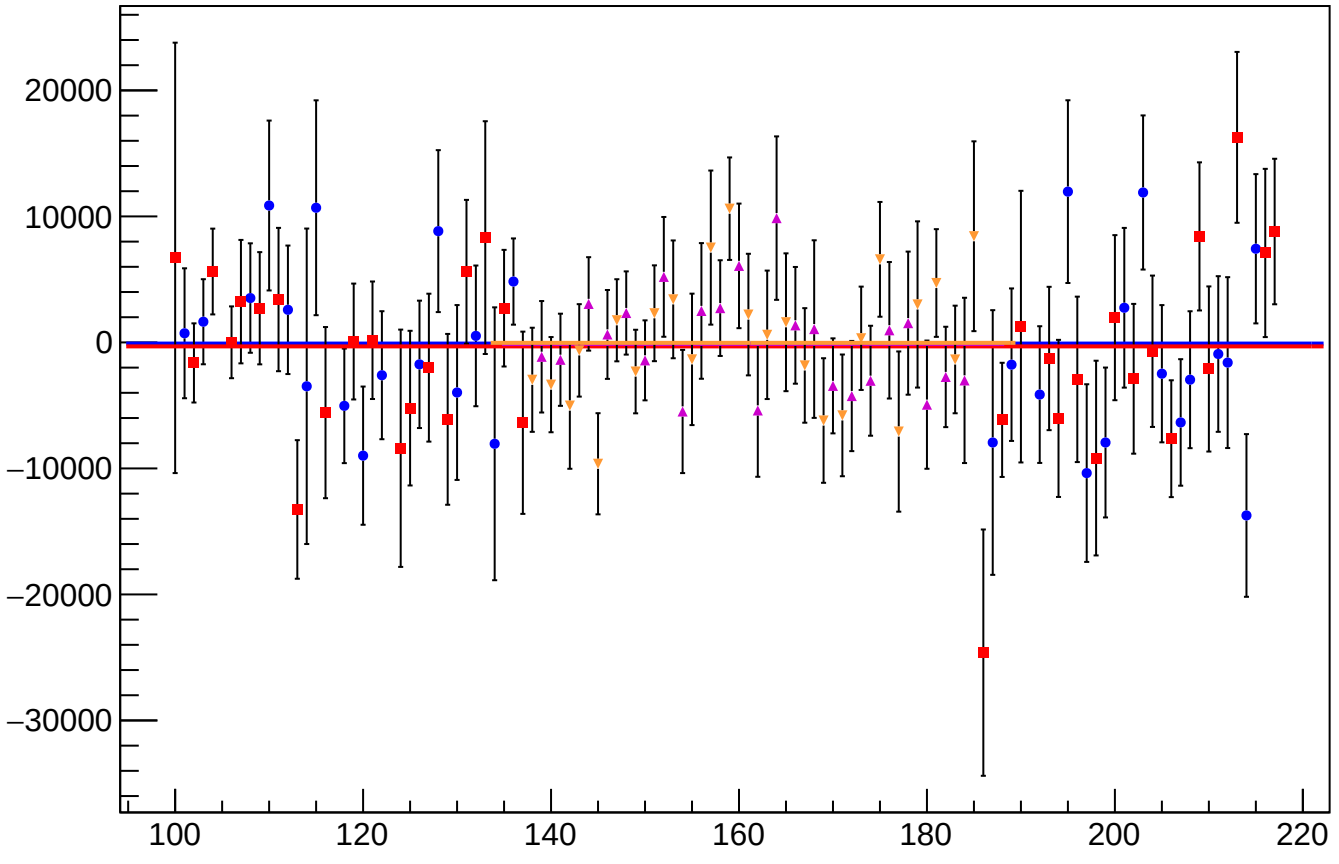
Right Out: 1244.729+/-0.198 χ^2/NDF: 790757.6/34

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1192.974+/-0.137 χ^2/NDF: 1100062.7/55

All: 1191.410+/-0.097 χ^2/NDF: 2122012.0/11

- sign 1189.849+/-0.137 χ^2/NDF: 1021687.6/57



Right In: -91.893+/-1006.737 χ^2/NDF: 34.6/30

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -315.536+/-913.322 χ^2/NDF: 41.2/34

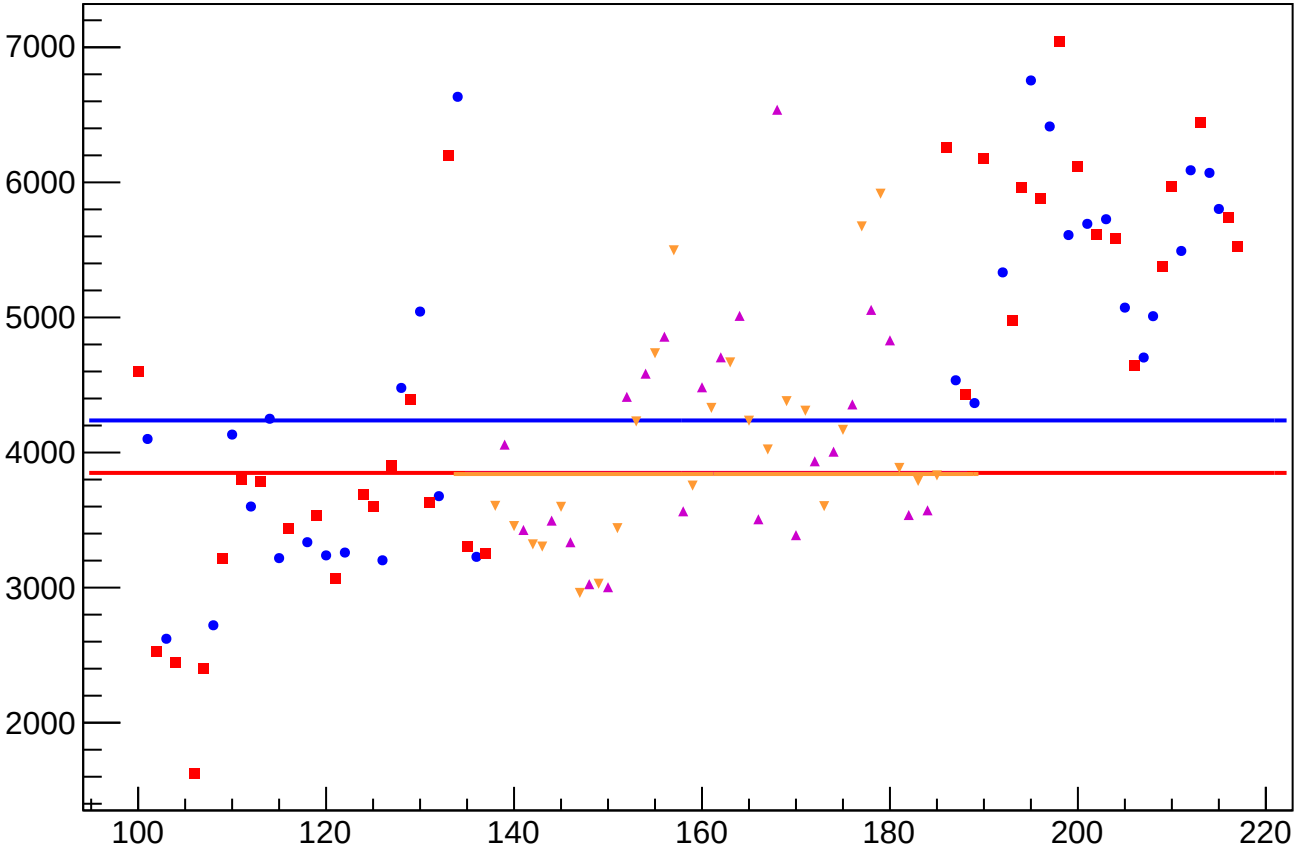
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign -59.188+/-667.372 χ^2/NDF: 62.4/55

All: -141.379+/-464.407 χ^2/NDF: 117.5/113

- sign -218.548+/-646.661 χ^2/NDF: 55.0/57

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4237.566+/-0.712 χ^2/NDF: 2872629.1/30

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3849.214+/-0.646 χ^2/NDF: 5098570.4/34

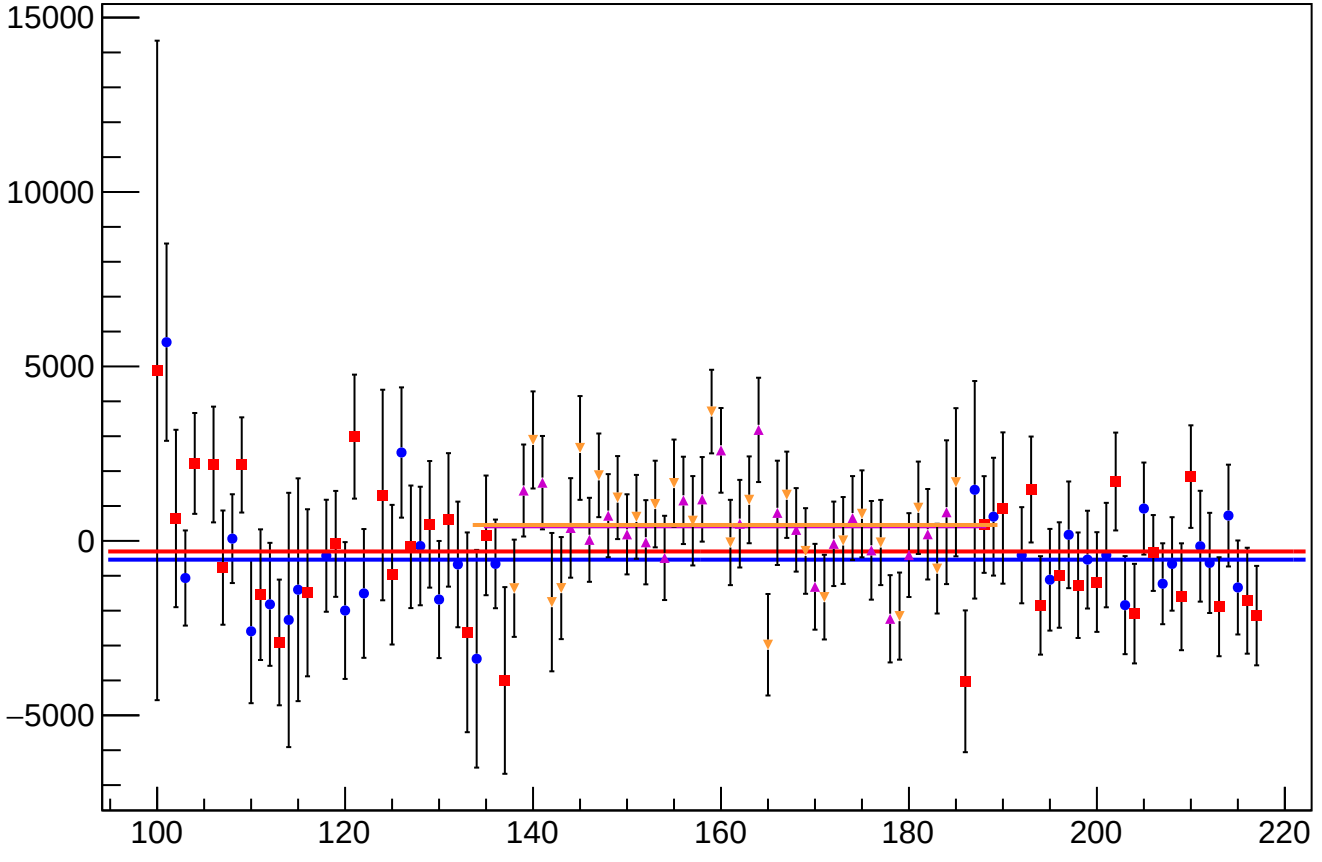
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 4015.174+/-0.472 χ^2/NDF: 4165404.4/55

All: 3928.065+/-0.328 χ^2/NDF: 10526139.2/1

\- sign 3846.279+/-0.457 χ^2/NDF: 6294669.6/57

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -538.236+/-287.602 χ^2/NDF: 16.9/30

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -303.388+/-280.237 χ^2/NDF: 36.6/34

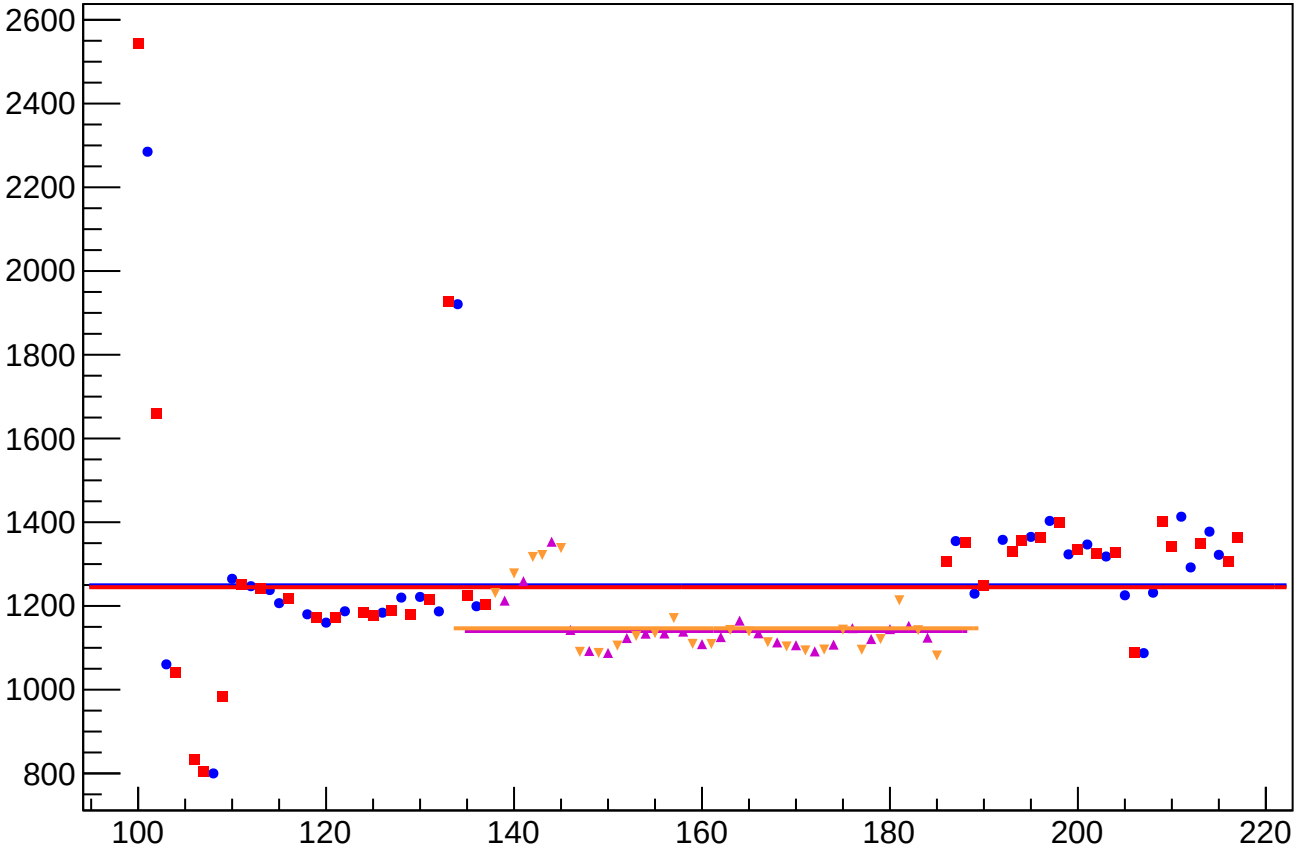
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 6.814+/-193.279 χ^2/NDF: 59.6/55

All: 40.874+/-136.623 χ^2/NDF: 117.0/113

- sign 74.889+/-193.149 χ^2/NDF: 57.4/57

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1249.264+/-0.203 χ^2/NDF: 819334.6/30

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

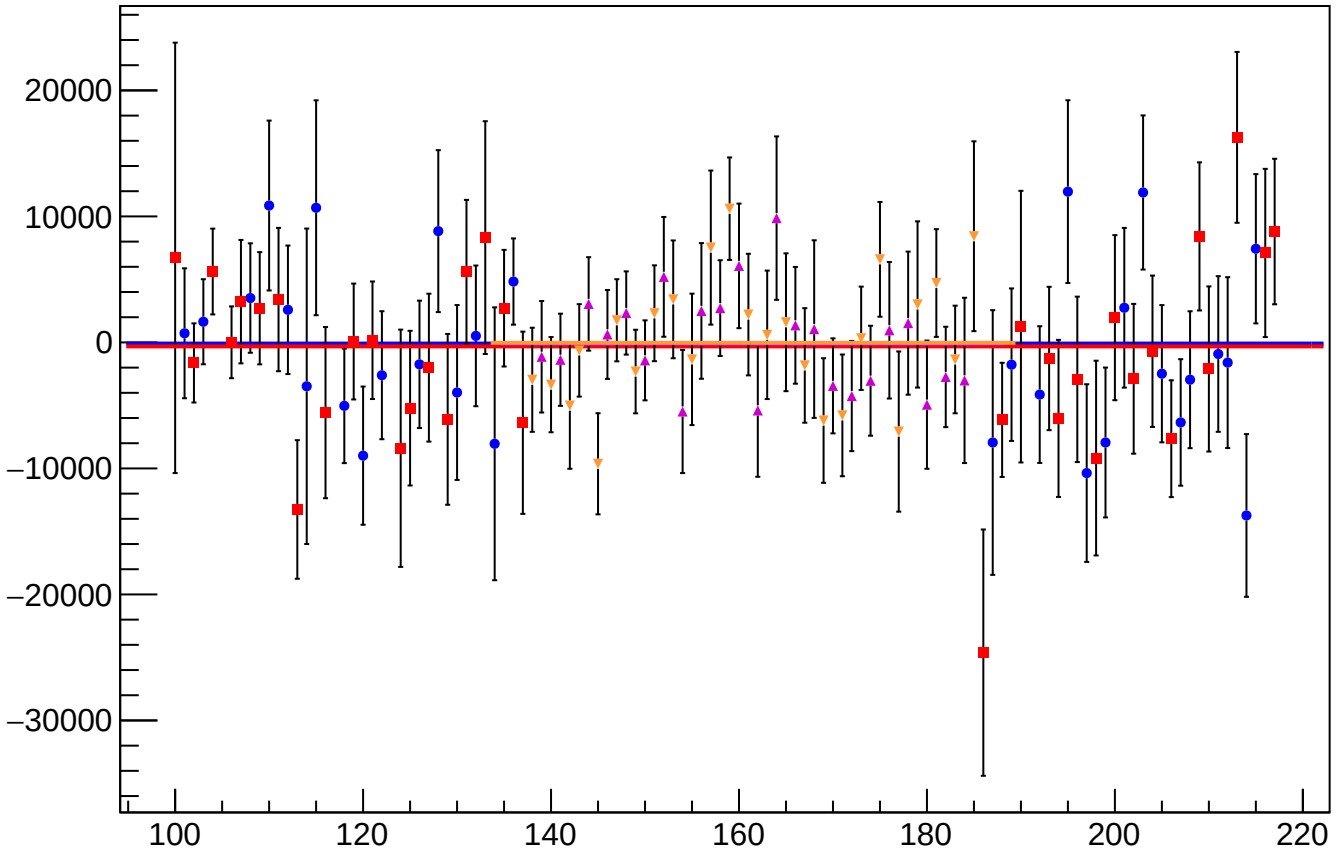
Right Out: 1244.729+/-0.198 χ^2/NDF: 790757.0/34

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1192.974+/-0.137 χ^2/NDF: 1100061.9/55

All: 1191.411+/-0.097 χ^2/NDF: 2122008.5/11

- sign 1189.849+/-0.137 χ^2/NDF: 1021685.1/57



Right In: -91.902+/-1006.737 χ^2/NDF: 34.6/30

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: -315.531+/-913.322 χ^2/NDF: 41.2/34

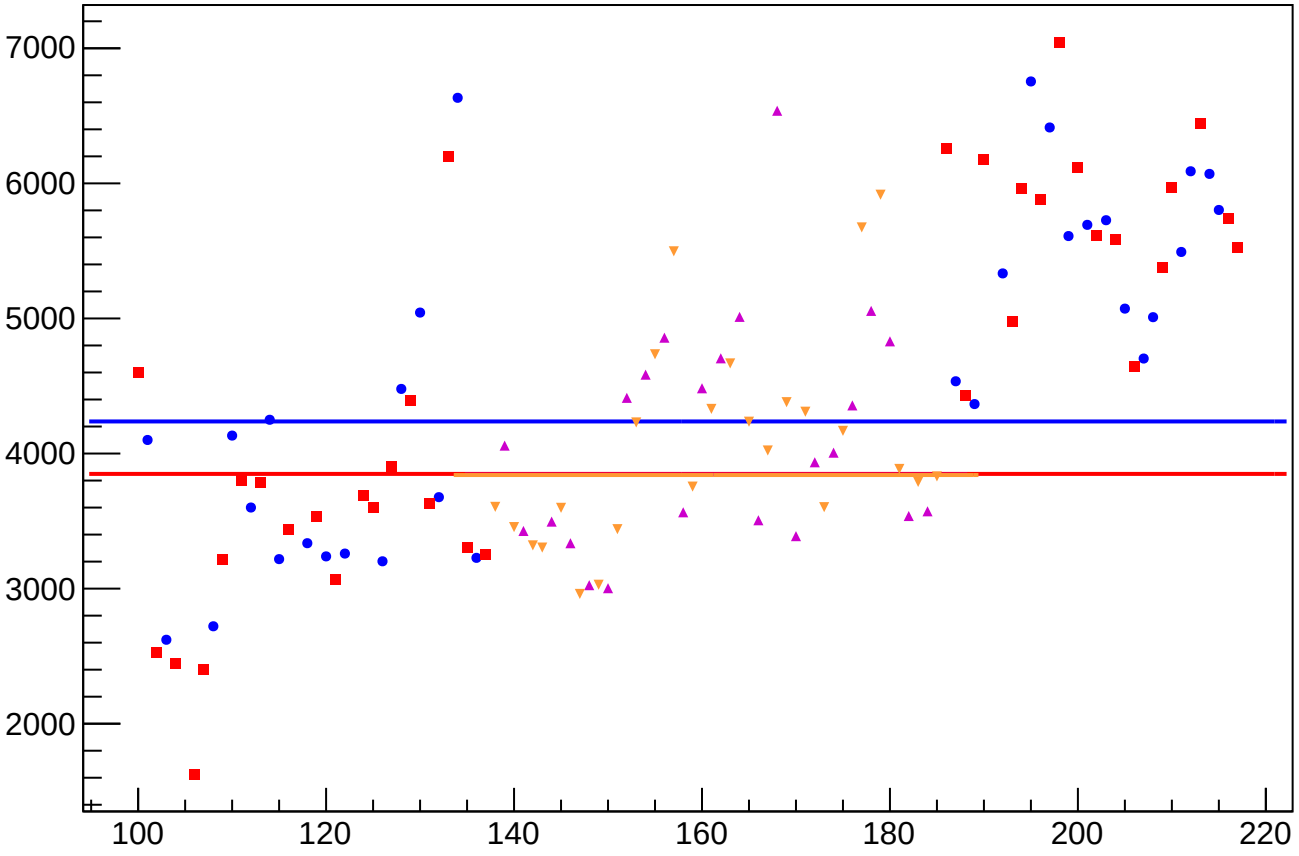
Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign -59.191+/-667.372 χ^2/NDF: 62.4/55

All: -141.380+/-464.408 χ^2/NDF: 117.5/113

- sign -218.547+/-646.661 χ^2/NDF: 55.0/57

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4237.565+/-0.712 χ^2/NDF: 2872644.6/30

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3849.210+/-0.646 χ^2/NDF: 5098601.5/34

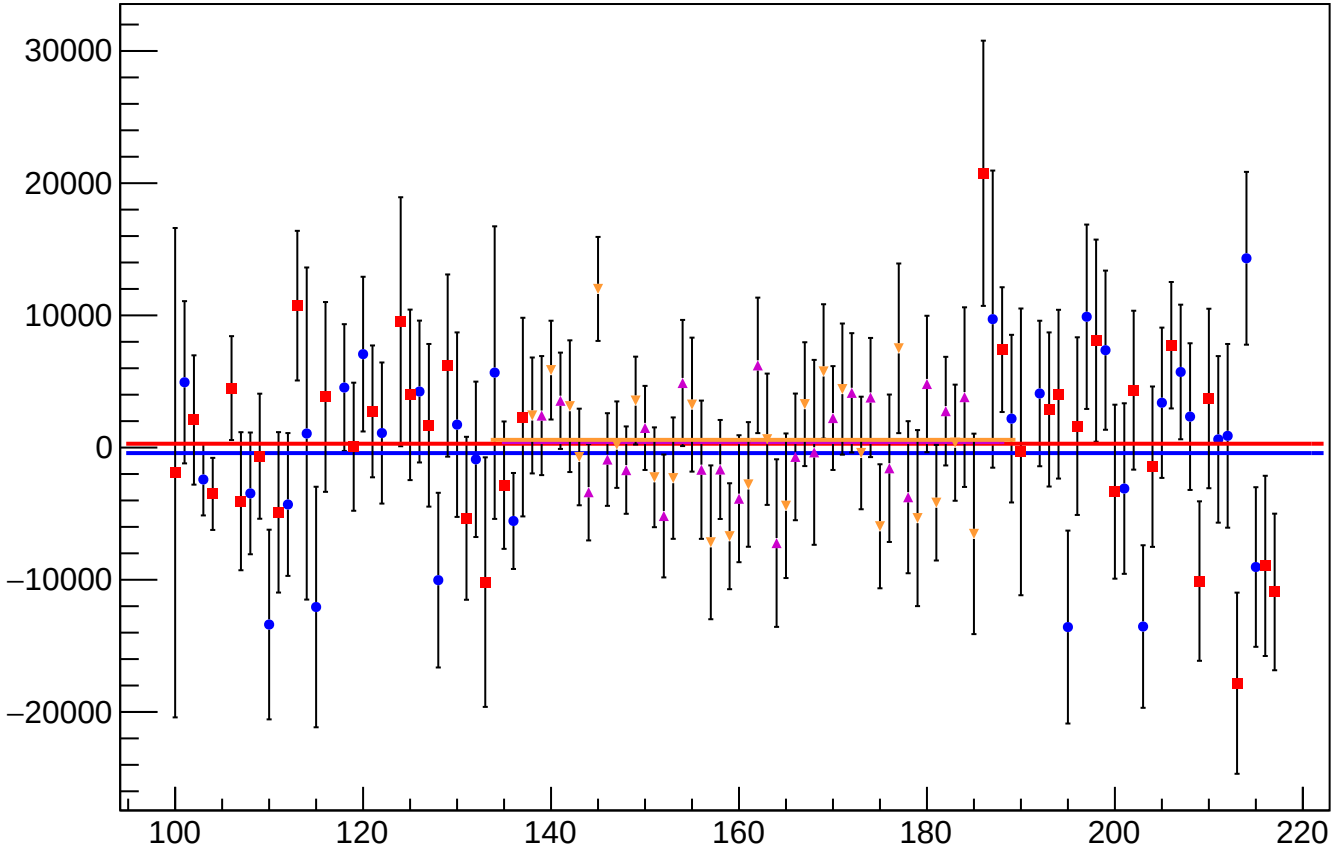
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 4015.176+/-0.472 χ^2/NDF: 4165415.4/55

All: 3928.066+/-0.328 χ^2/NDF: 10526186.5/1

- sign 3846.279+/-0.457 χ^2/NDF: 6294704.5/57

asym_usr_atr2_dd_mean vs Slug



Right In: -417.997+/-1019.512 χ^2/NDF: 38.1/30

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 291.071+/-968.611 χ^2/NDF: 40.2/34

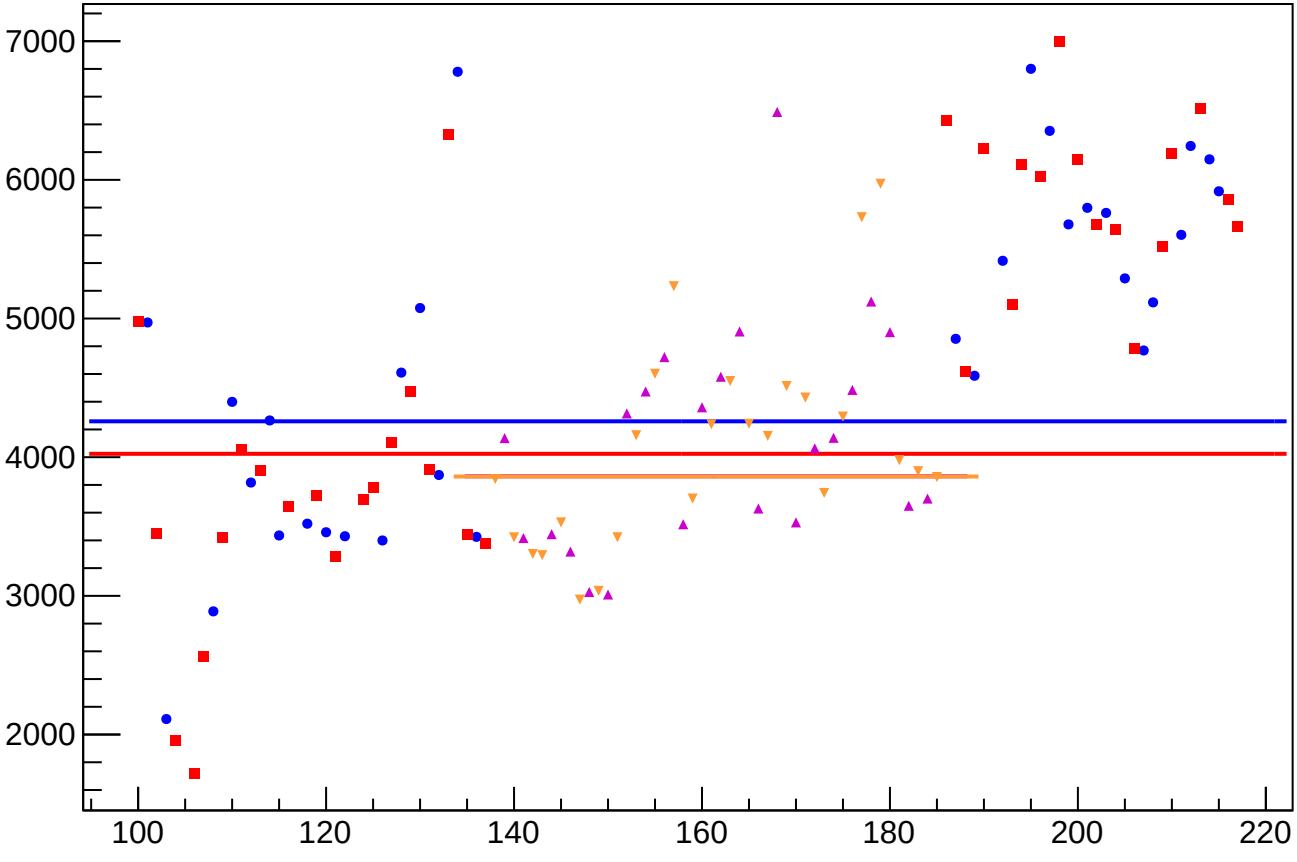
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign 147.540+/-672.556 χ^2/NDF: 66.0/55

All: 253.309+/-473.479 χ^2/NDF: 118.8/113

\- sign 357.239+/-666.682 χ^2/NDF: 52.7/57

asym_usr_atr2_dd_rms vs Slug



Right In: 4258.767+/-0.721 χ^2/NDF: 3491006.6/30

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

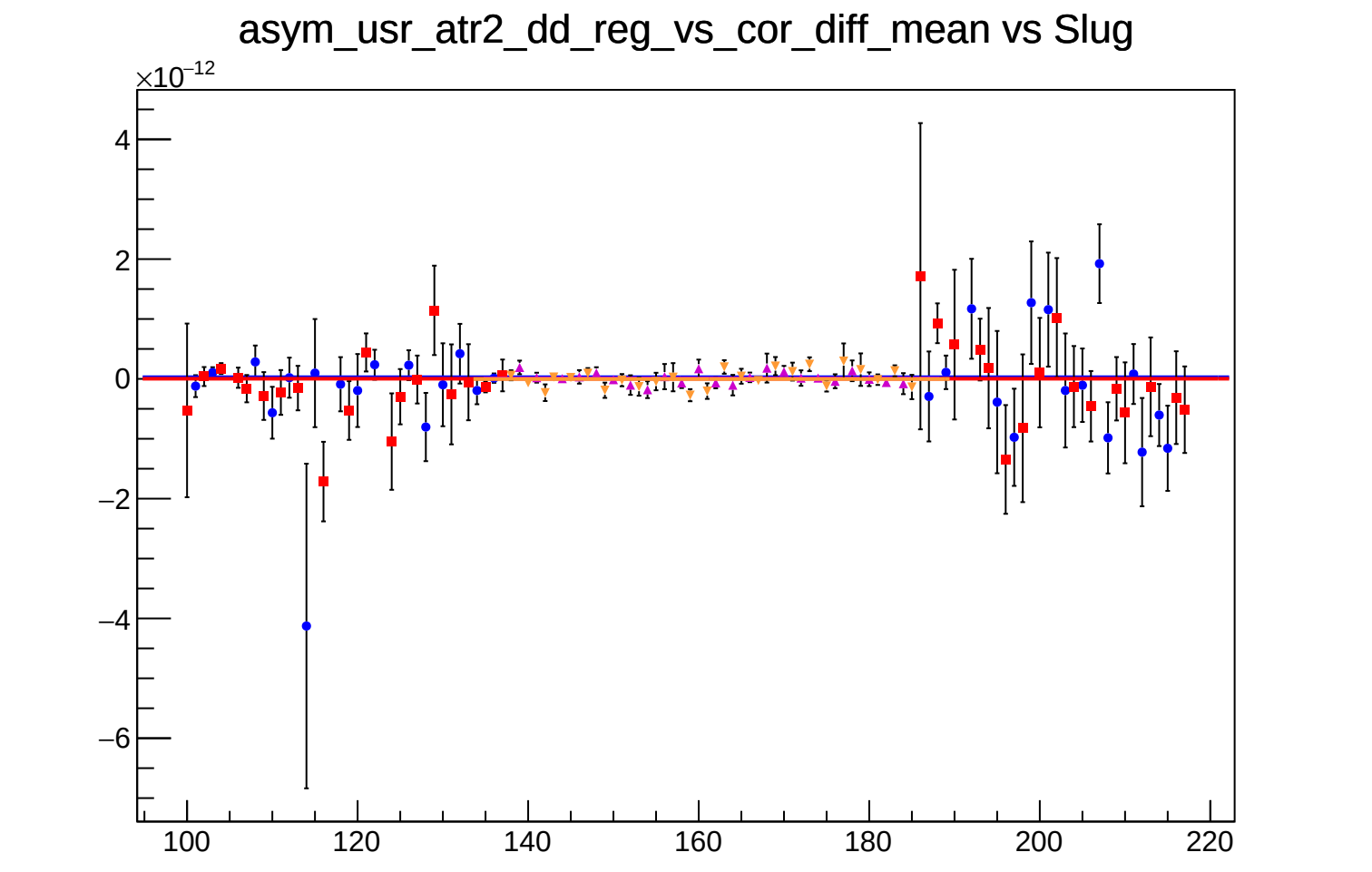
Right Out: 4024.395+/-0.678 χ^2/NDF: 4971913.3/34

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4033.840+/-0.476 χ^2/NDF: 4760654.1/55

All: 3986.256+/-0.334 χ^2/NDF: 10924288.5/1

- sign 3939.971+/-0.469 χ^2/NDF: 6143885.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

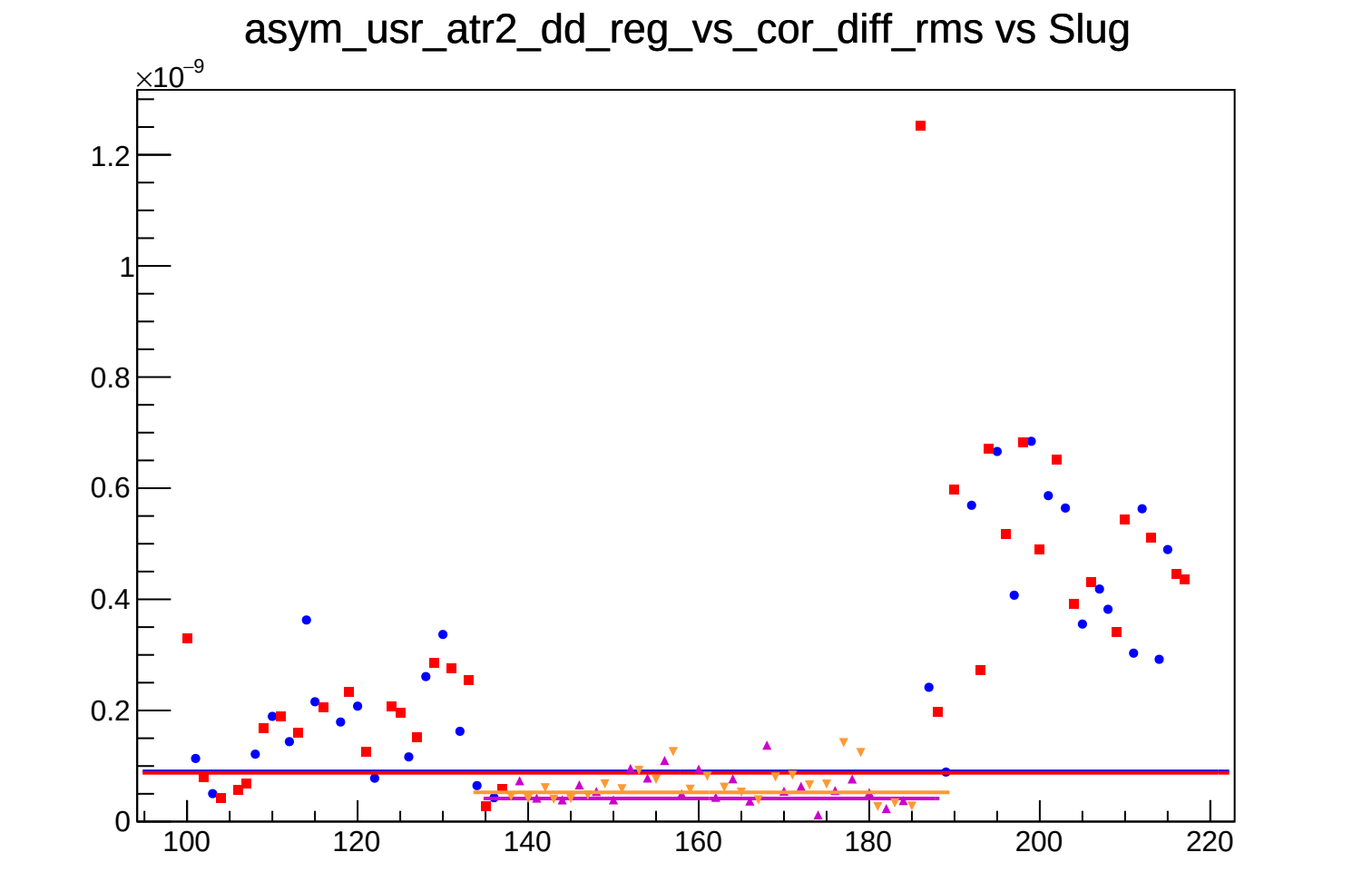
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/34

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/55

All: 0.000+/-0.000 χ^2/NDF: 120.4/113

- sign 0.000+/-0.000 χ^2/NDF: 49.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8517779.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10111546.9/34

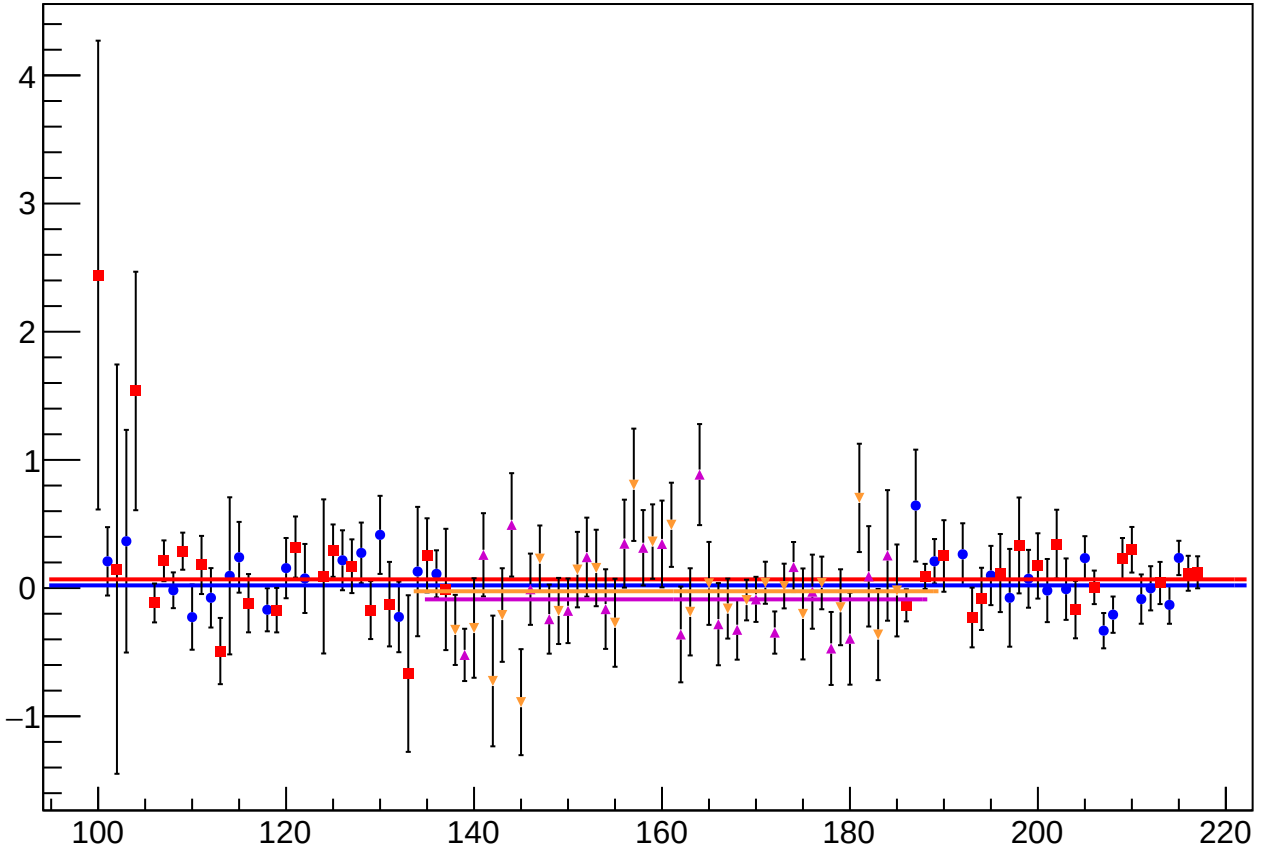
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11206938.3/55

All: 0.000+/-0.000 χ^2/NDF: 26209886.4/113

- sign 0.000+/-0.000 χ^2/NDF: 14663365.2/57

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

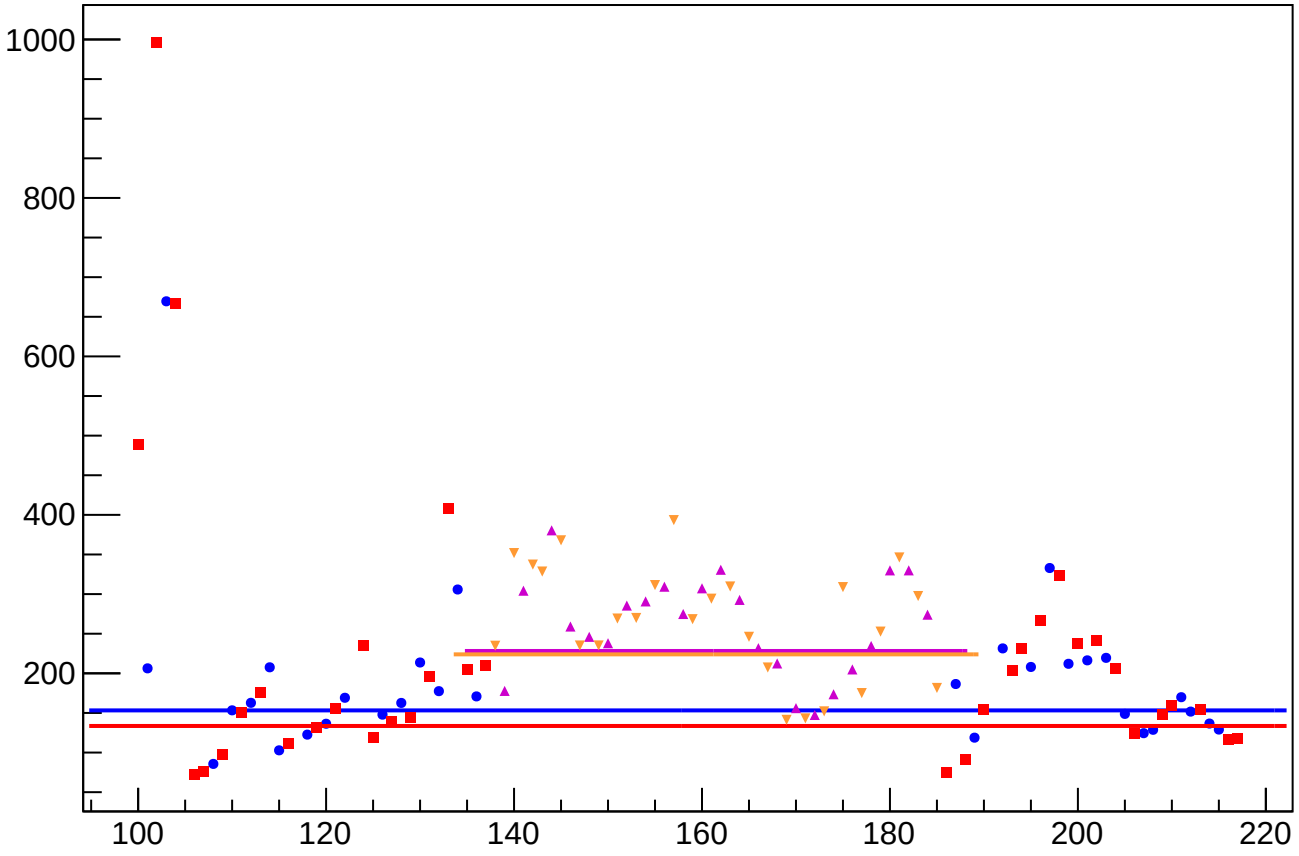
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.006+/-0.031 χ^2/NDF: 52.5/55

All: 0.018+/-0.021 χ^2/NDF: 121.8/113

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 153.213+/-0.027 χ^2/NDF: 3254764.4/30

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

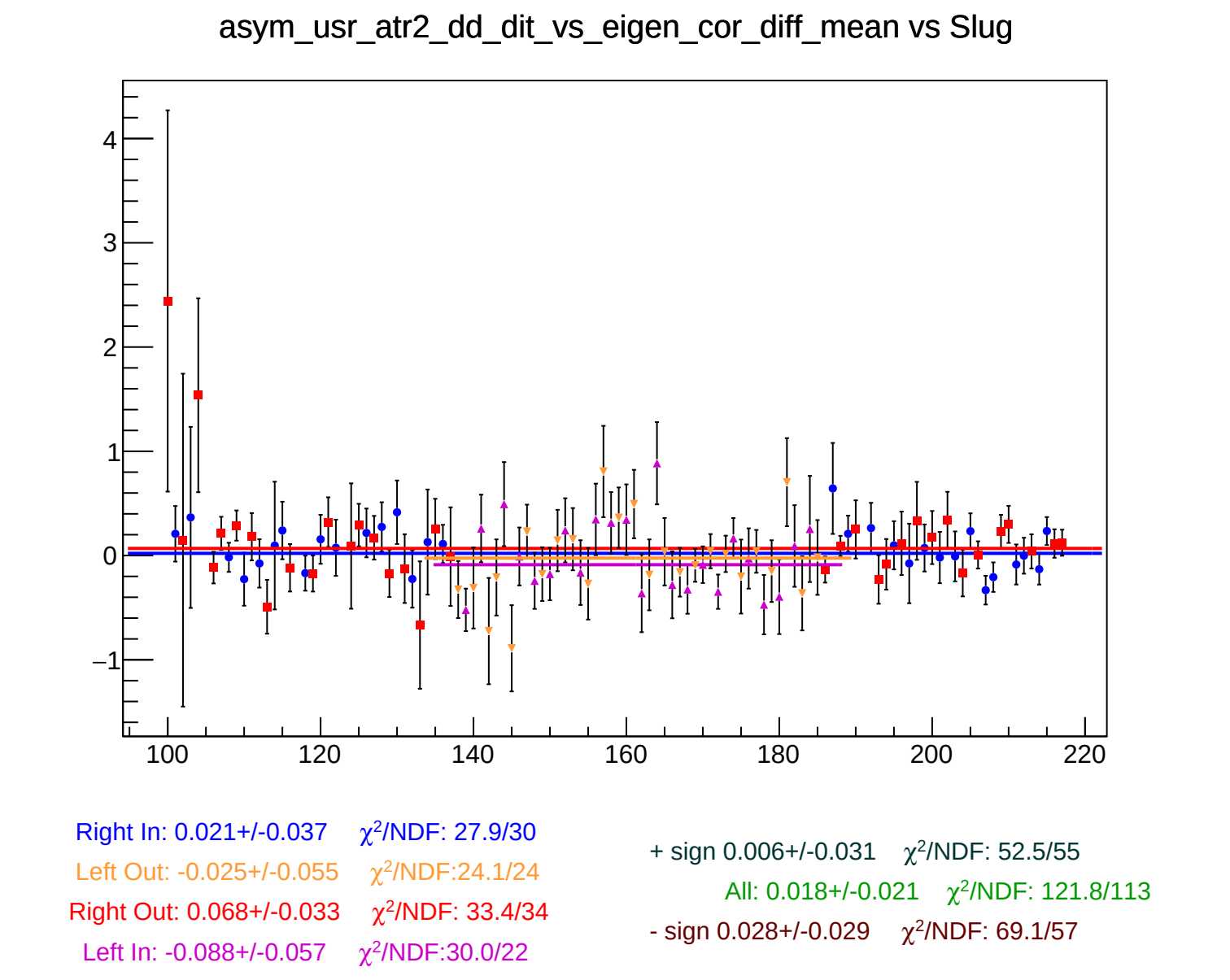
Right Out: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

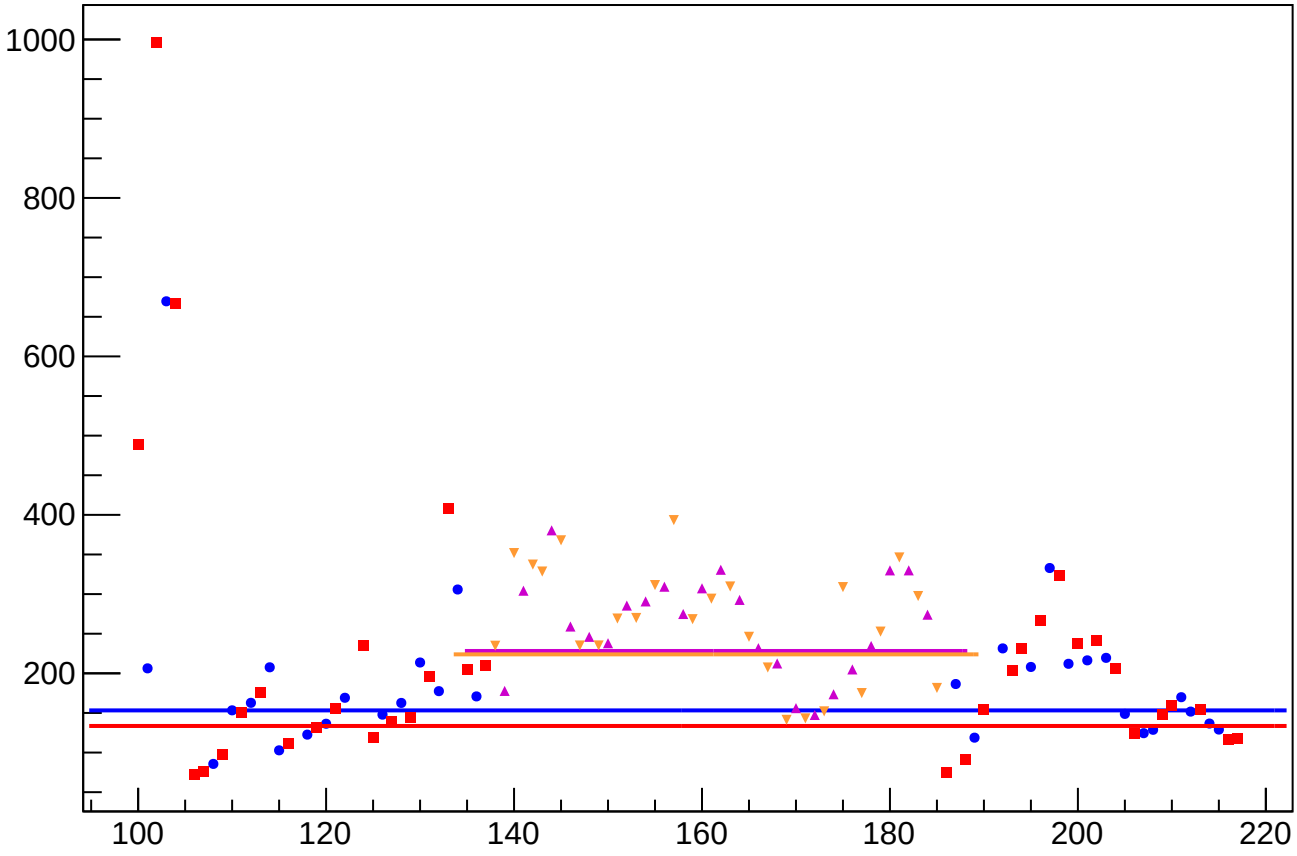
+ sign 175.872+/-0.022 χ^2/NDF: 8974422.4/55

All: 166.212+/-0.015 χ^2/NDF: 22105580.1/11

- sign 157.871+/-0.020 χ^2/NDF: 12766993.7/57


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
220
Right In: 0.021+/-0.037 χ²/NDF: 27.9/30
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.068+/-0.033 χ²/NDF: 33.4/34
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.006+/-0.031 χ²/NDF: 52.5/55
All: 0.018+/-0.021 χ²/NDF: 121.8/113
- sign 0.028+/-0.029 χ²/NDF: 69.1/57

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 153.213+/-0.027 χ^2/NDF: 3254764.4/30

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 133.558+/-0.024 χ^2/NDF: 6131160.1/34

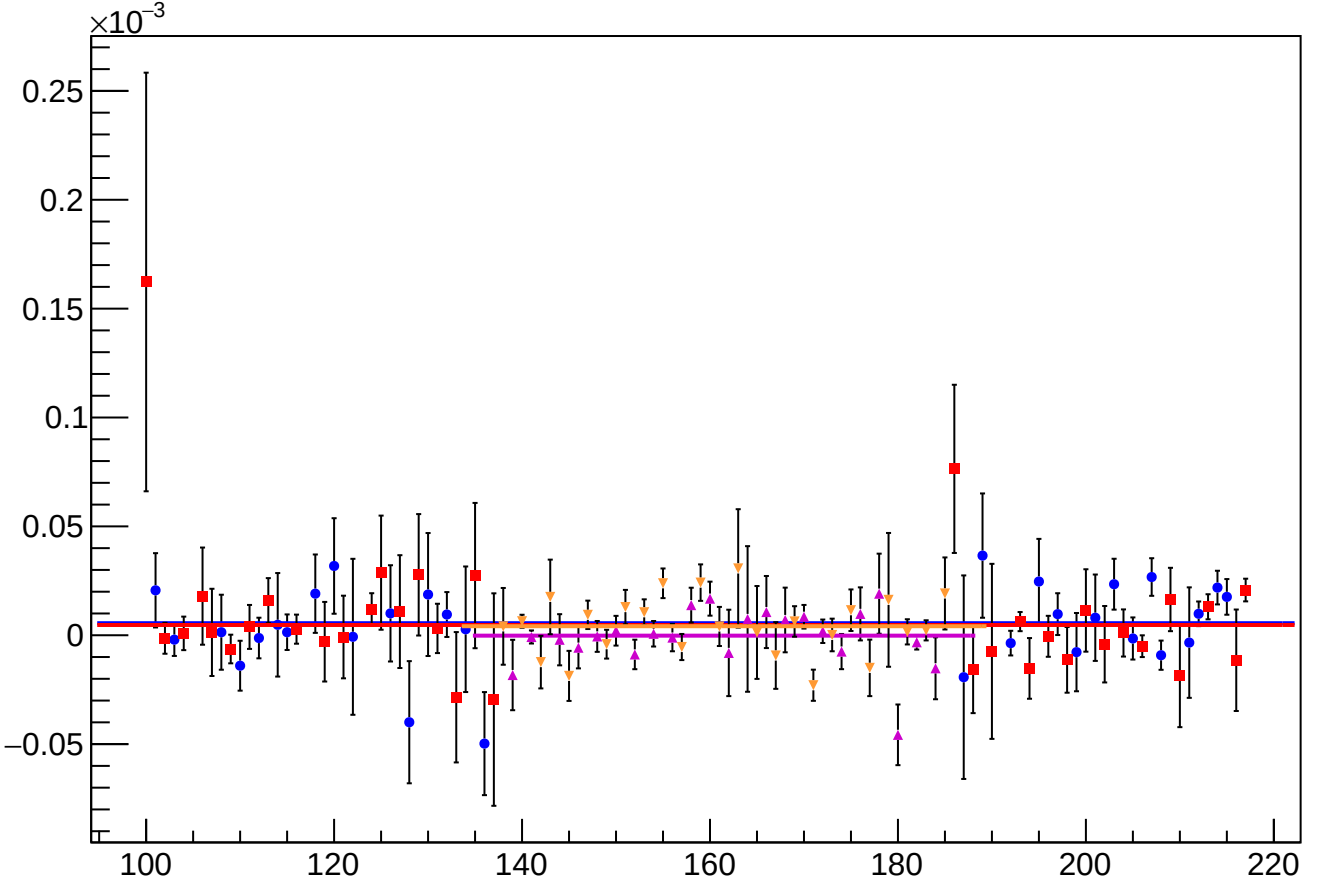
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 175.872+/-0.022 χ^2/NDF: 8974422.4/55

All: 166.212+/-0.015 χ^2/NDF: 22105580.1/11

- sign 157.871+/-0.020 χ^2/NDF: 12766993.7/57

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 43.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

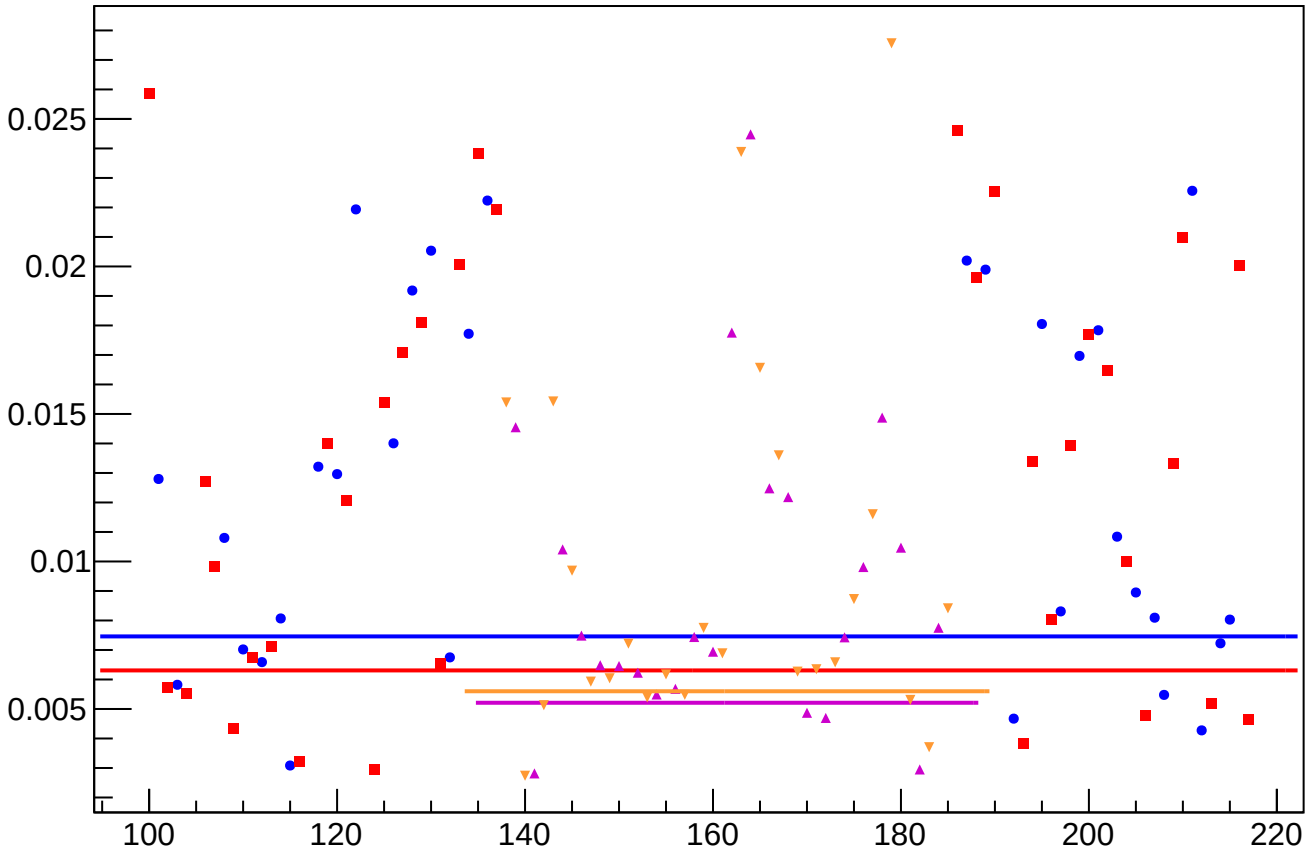
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/34

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 92.1/55

All: 0.000+/-0.000 χ^2/NDF: 169.3/113

- sign 0.000+/-0.000 χ^2/NDF: 74.2/57



Right In: 0.007+/-0.000 χ^2/NDF: 8089514.7/30

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 11446663.9/34

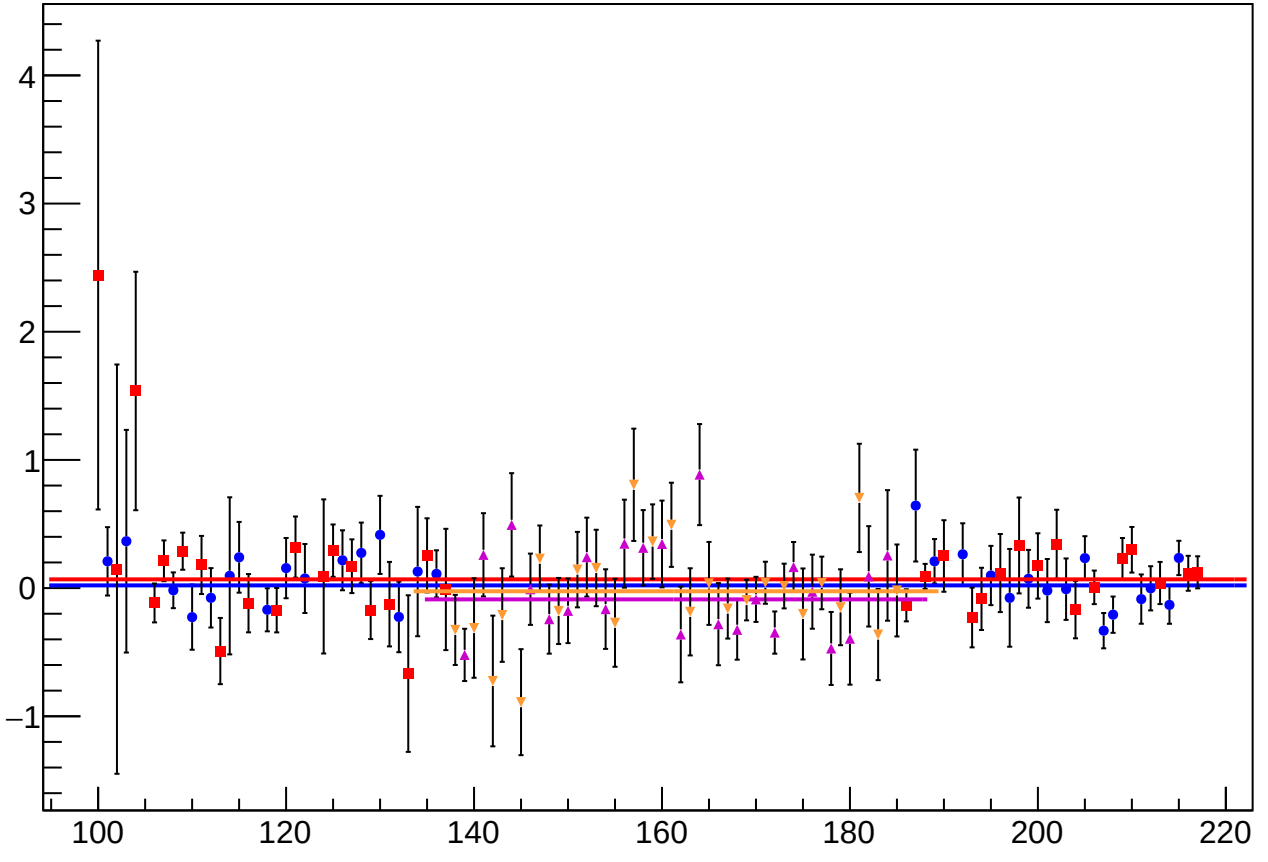
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 16991582.2/55

All: 0.006+/-0.000 χ^2/NDF: 36656811.7/113

- sign 0.006+/-0.000 χ^2/NDF: 19397350.2/57

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

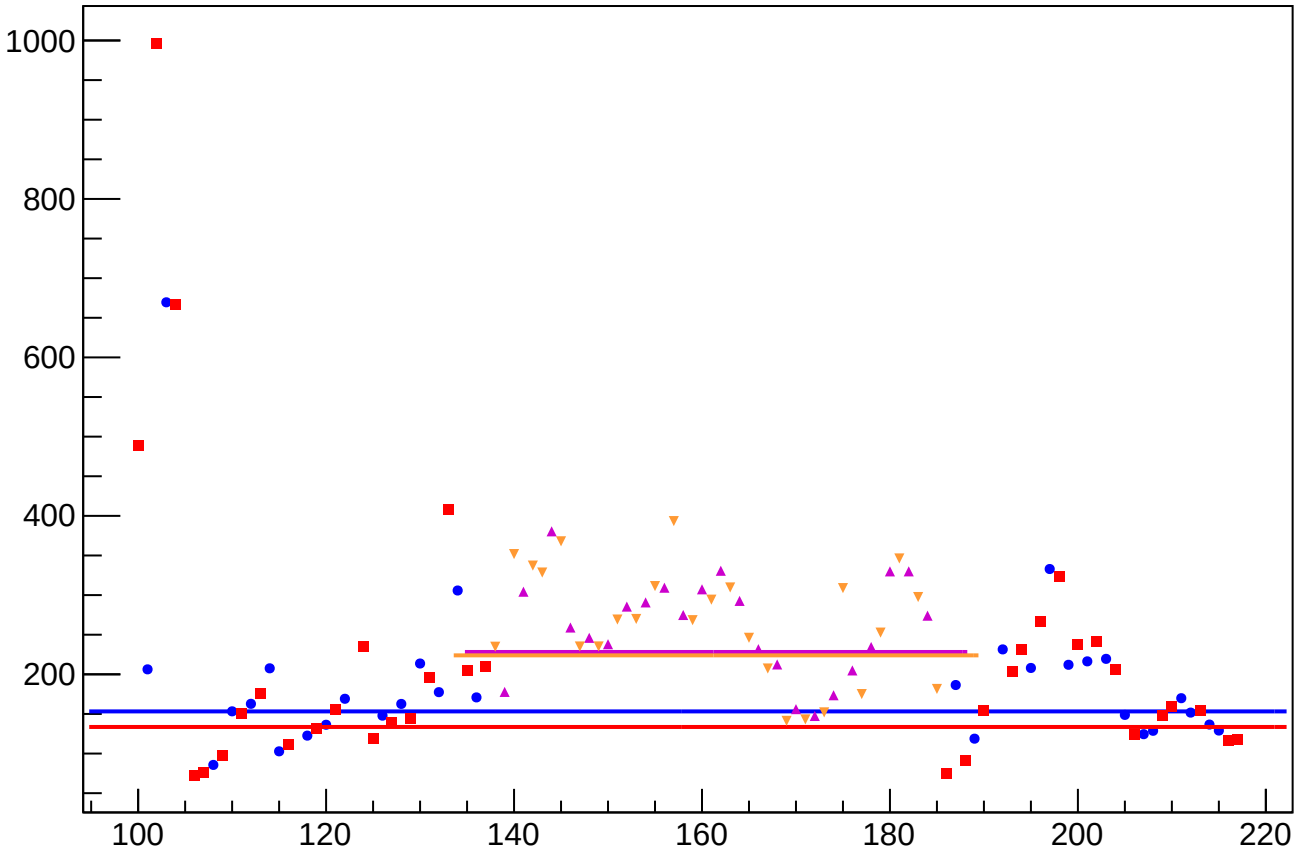
Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.006+/-0.031 χ^2/NDF: 52.5/55

All: 0.018+/-0.021 χ^2/NDF: 121.8/113

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57



Right In: 153.211+/-0.027 χ^2/NDF: 3254931.8/30

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

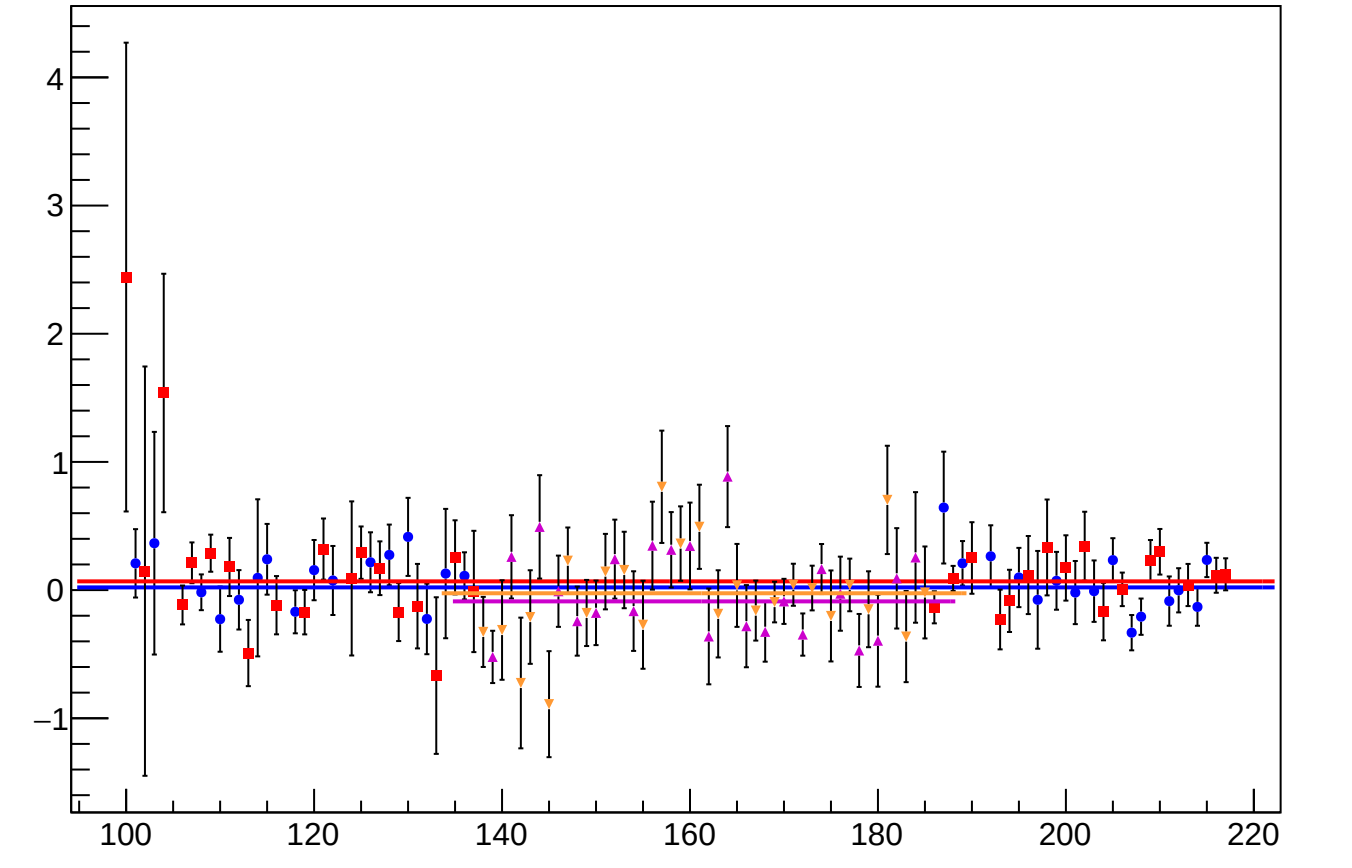
Right Out: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 175.870+/-0.022 χ^2/NDF: 8974902.5/55

All: 166.213+/-0.015 χ^2/NDF: 22105162.5/11

- sign 157.874+/-0.020 χ^2/NDF: 12766286.4/57



Right In: 0.021+/-0.037 χ^2/NDF: 27.9/30

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

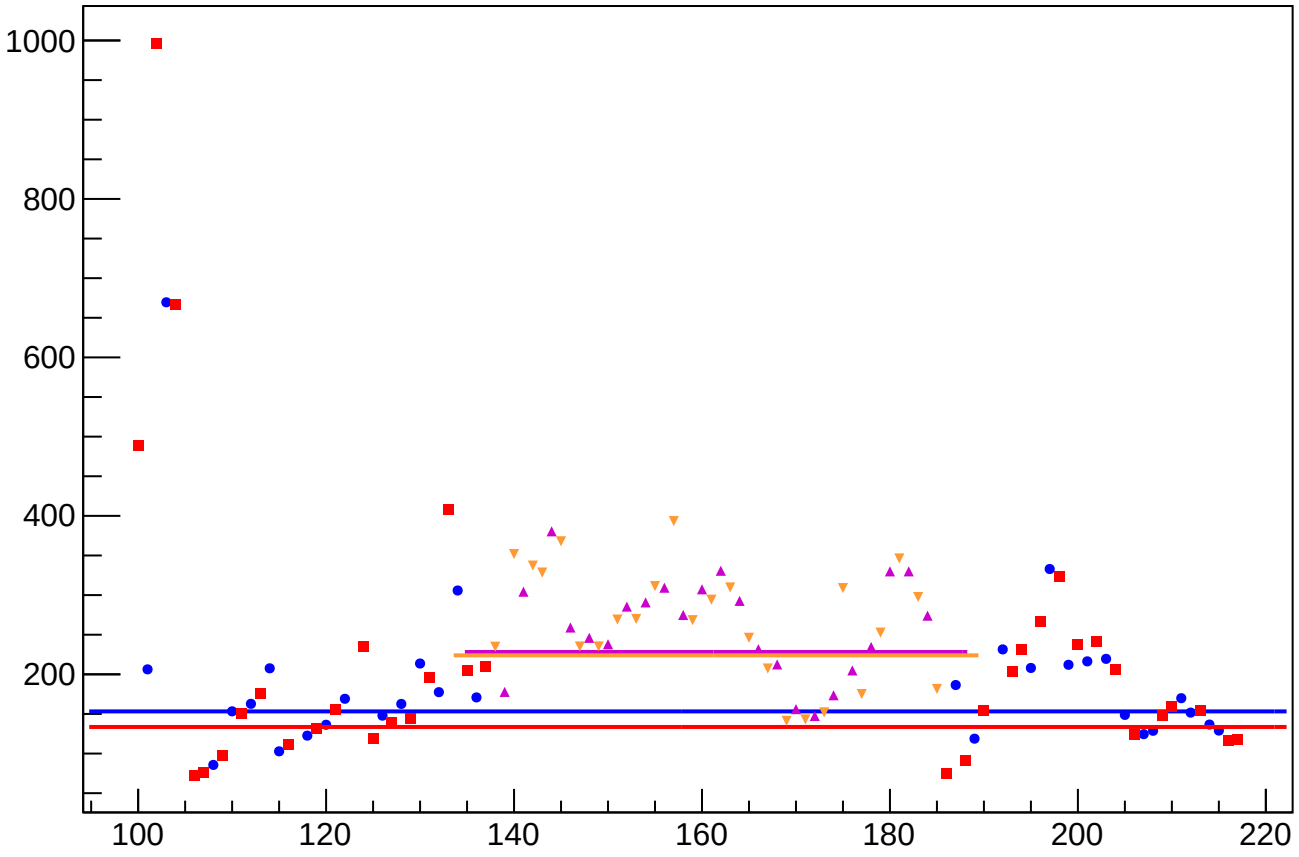
Right Out: 0.068+/-0.033 χ^2/NDF: 33.4/34

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.006+/-0.031 χ^2/NDF: 52.5/55

All: 0.018+/-0.021 χ^2/NDF: 121.8/113

- sign 0.028+/-0.029 χ^2/NDF: 69.1/57



Right In: 153.211+/-0.027 χ^2/NDF: 3254931.8/30

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

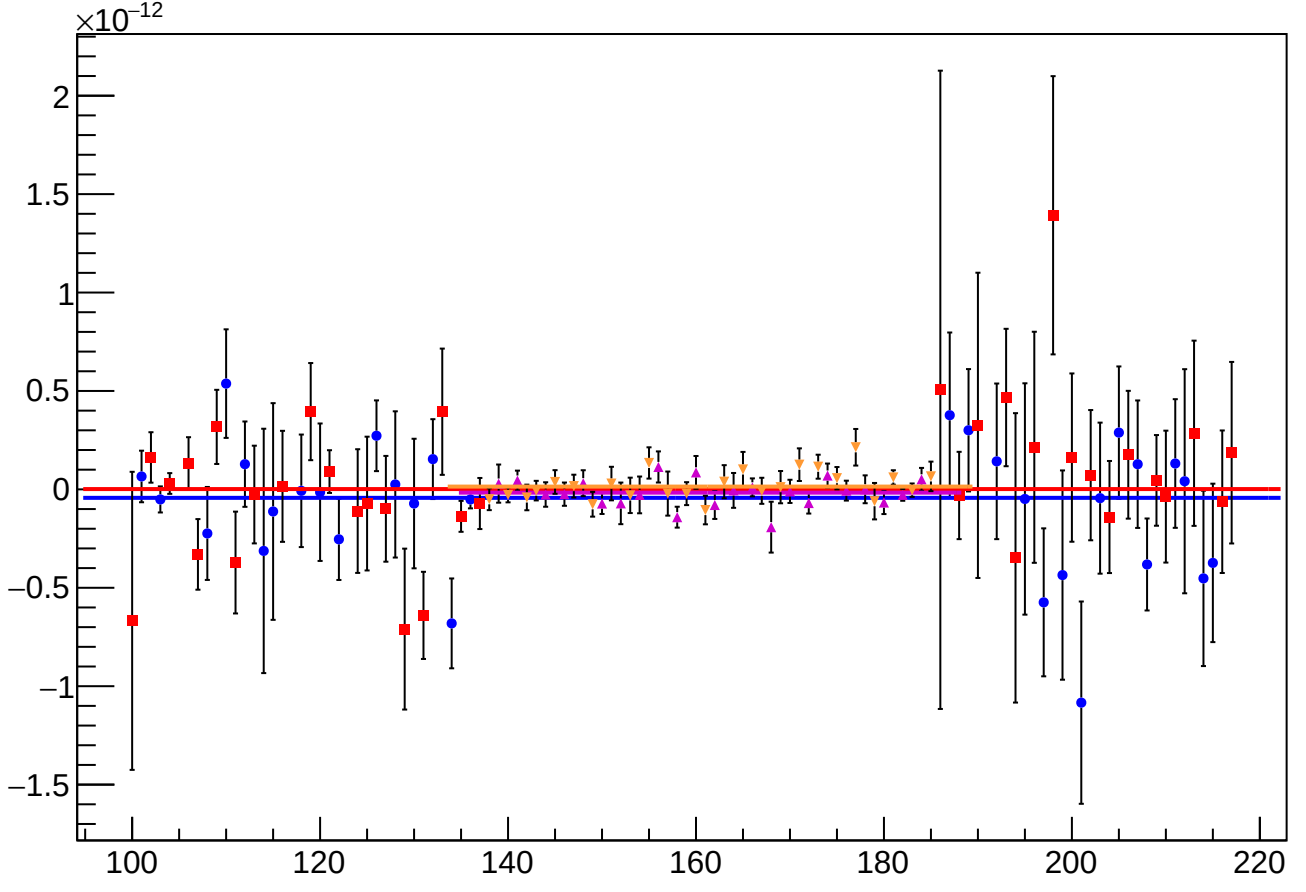
Right Out: 133.562+/-0.024 χ^2/NDF: 6130632.6/34

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 175.870+/-0.022 χ^2/NDF: 8974902.5/55

All: 166.213+/-0.015 χ^2/NDF: 22105162.5/11

- sign 157.874+/-0.020 χ^2/NDF: 12766286.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

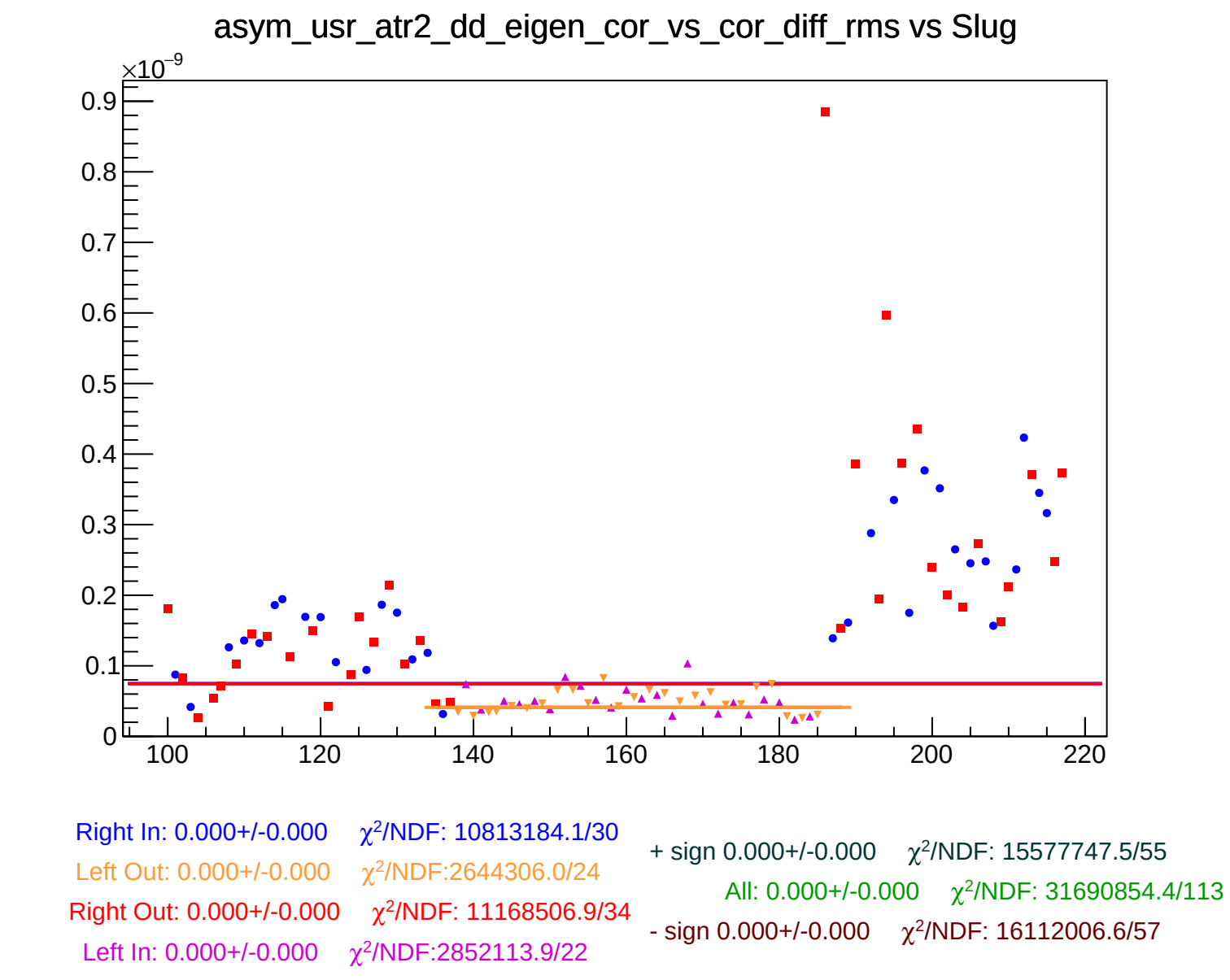
Right Out: 0.000+/-0.000 χ^2/NDF: 39.5/34

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

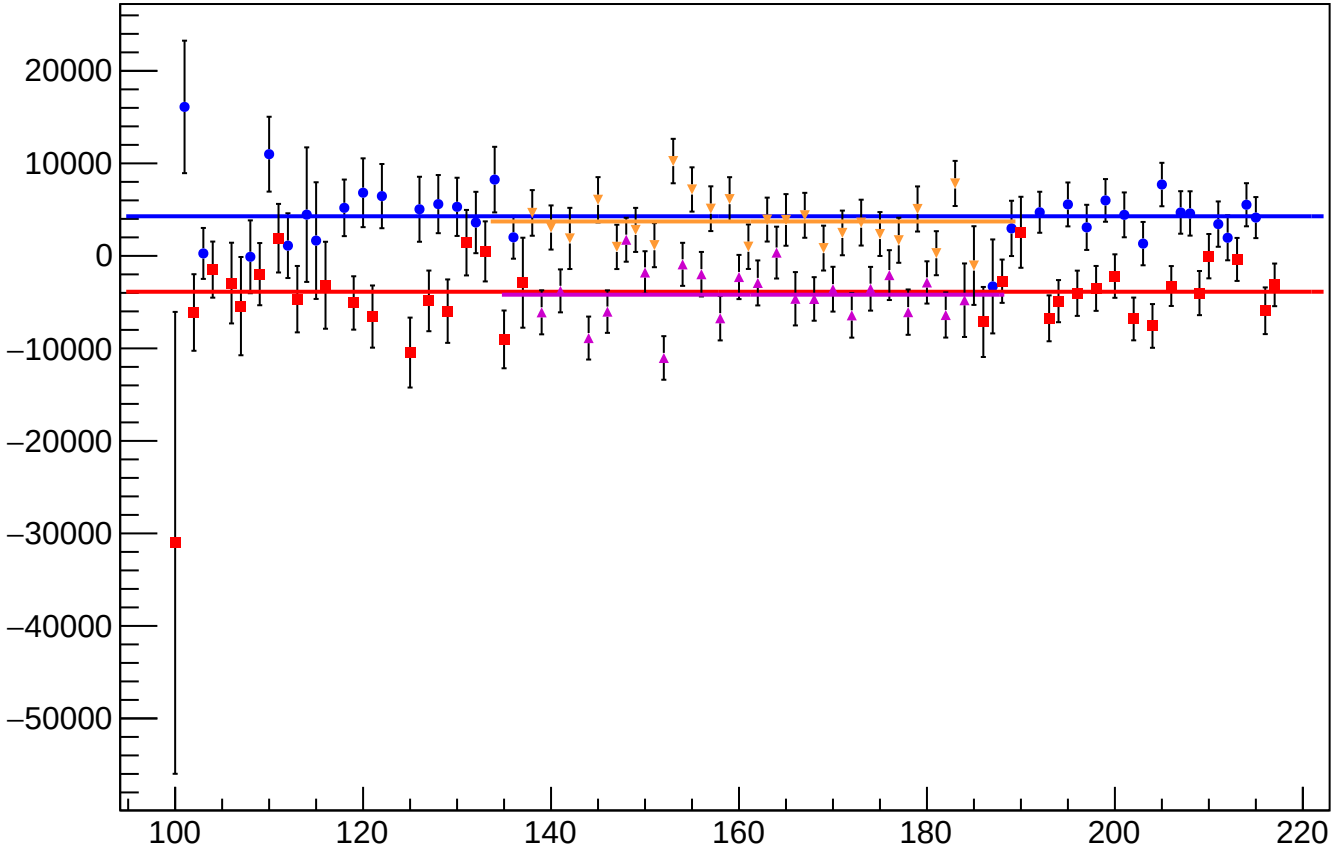
+ sign 0.000+/-0.000 χ^2/NDF: 62.1/55

All: -0.000+/-0.000 χ^2/NDF: 125.3/113

- sign -0.000+/-0.000 χ^2/NDF: 61.5/57


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10813184.1/30
Left Out: 0.000+/-0.000 χ²/NDF:2644306.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11168506.9/34
Left In: 0.000+/-0.000 χ²/NDF:2852113.9/22
+ sign 0.000+/-0.000 χ²/NDF: 15577747.5/55
All: 0.000+/-0.000 χ²/NDF: 31690854.4/113
- sign 0.000+/-0.000 χ²/NDF: 16112006.6/57

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4281.626+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

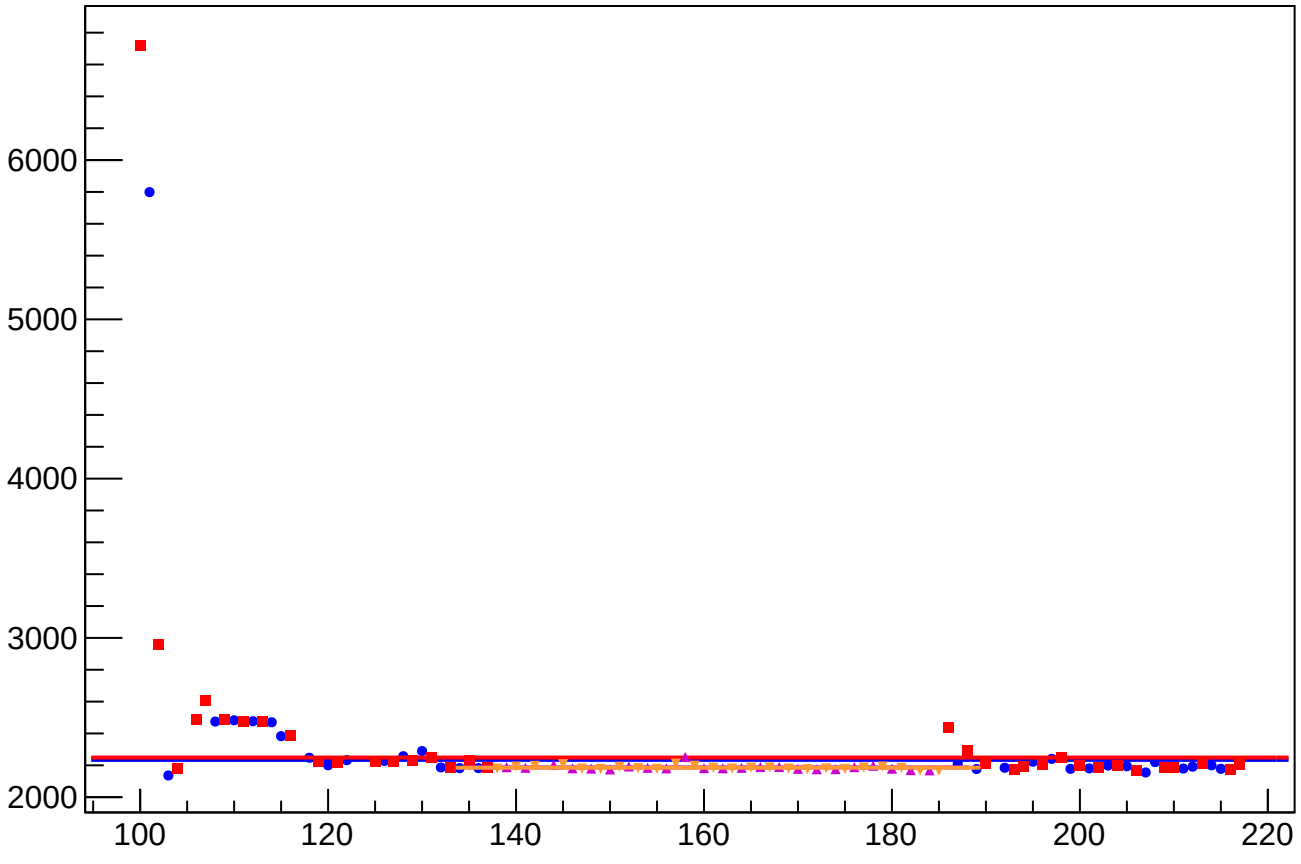
Right Out: -3876.911+/-501.767 χ^2/NDF: 31.8/33

Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

\+ sign 3999.857+/-360.343 χ^2/NDF: 48.1/54

All: -44.472+/-253.925 χ^2/NDF: 362.4/111

\- sign -4033.650+/-357.877 χ^2/NDF: 64.1/56



Right In: 2234.149+/-0.362 χ^2/NDF: 539605.0/30

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

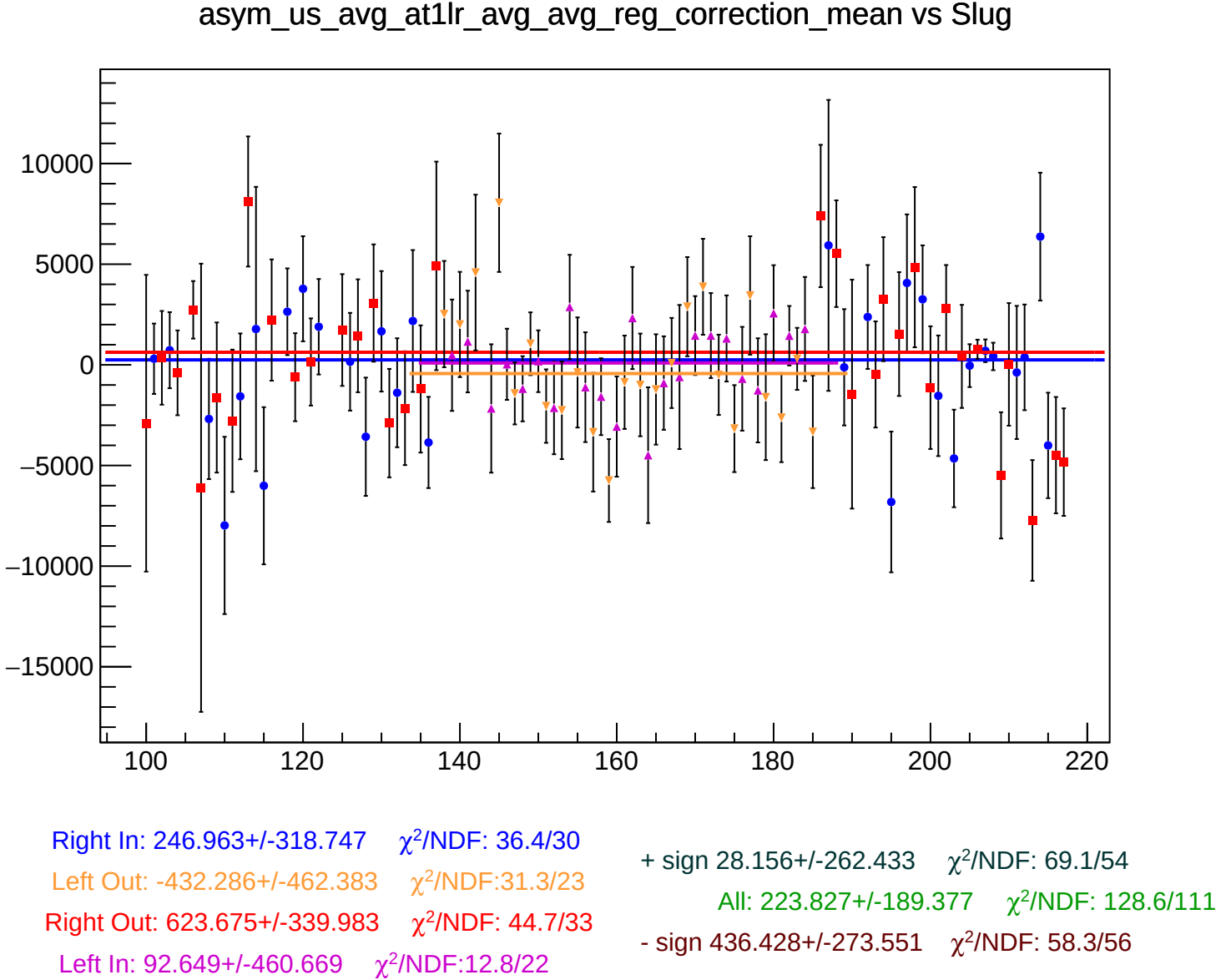
Right Out: 2248.692+/-0.355 χ^2/NDF: 189832.5/33

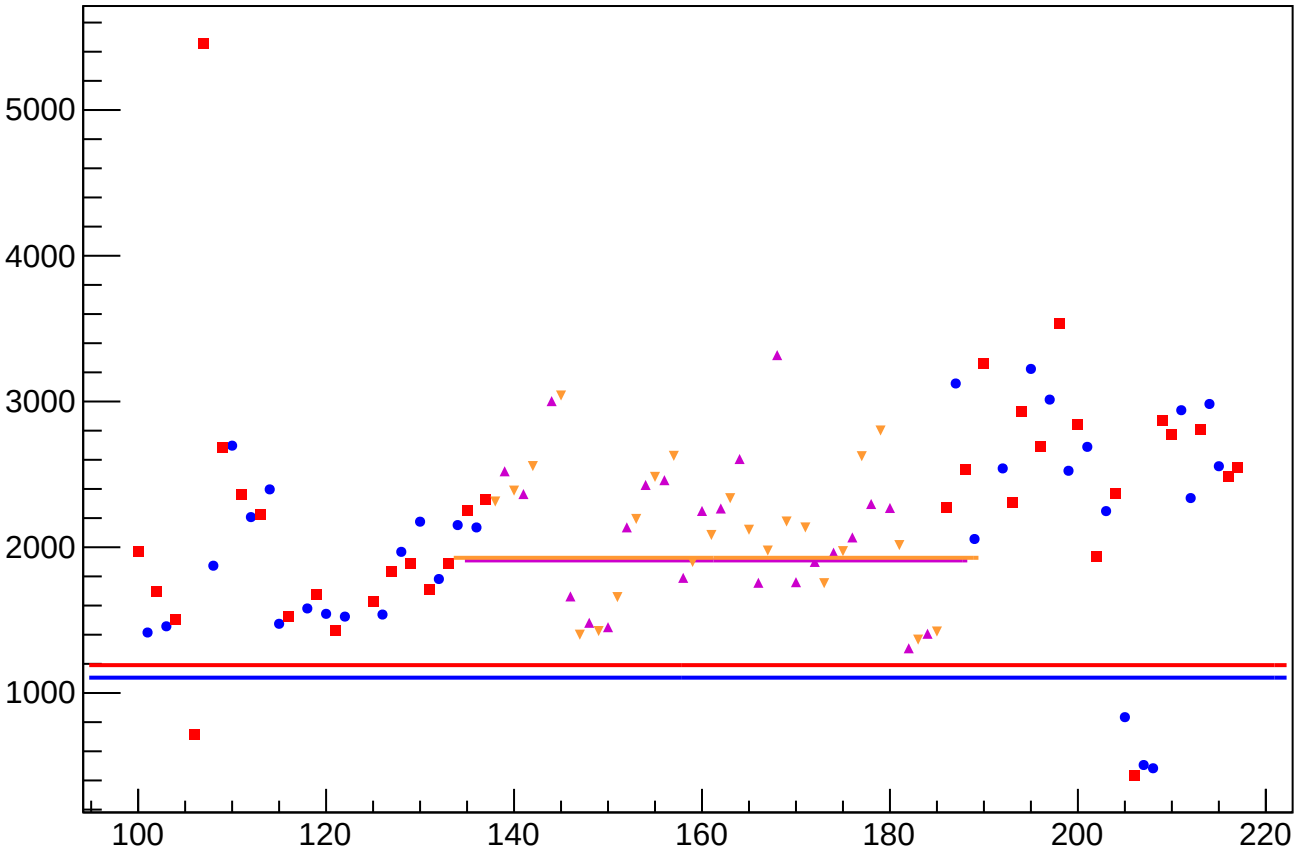
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.404+/-0.255 χ^2/NDF: 549670.9/54

All: 2213.861+/-0.180 χ^2/NDF: 757151.2/111

- sign 2218.258+/-0.253 χ^2/NDF: 206872.5/56


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 246.963+/-318.747 χ²/NDF: 36.4/30
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: 623.675+/-339.983 χ²/NDF: 44.7/33
Left In: 92.649+/-460.669 χ²/NDF:12.8/22
+ sign 28.156+/-262.433 χ²/NDF: 69.1/54
All: 223.827+/-189.377 χ²/NDF: 128.6/111
- sign 436.428+/-273.551 χ²/NDF: 58.3/56



Right In: 1105.292+/-0.225 χ^2/NDF: 12616914.3/30

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1191.155+/-0.240 χ^2/NDF: 14473601.4/33

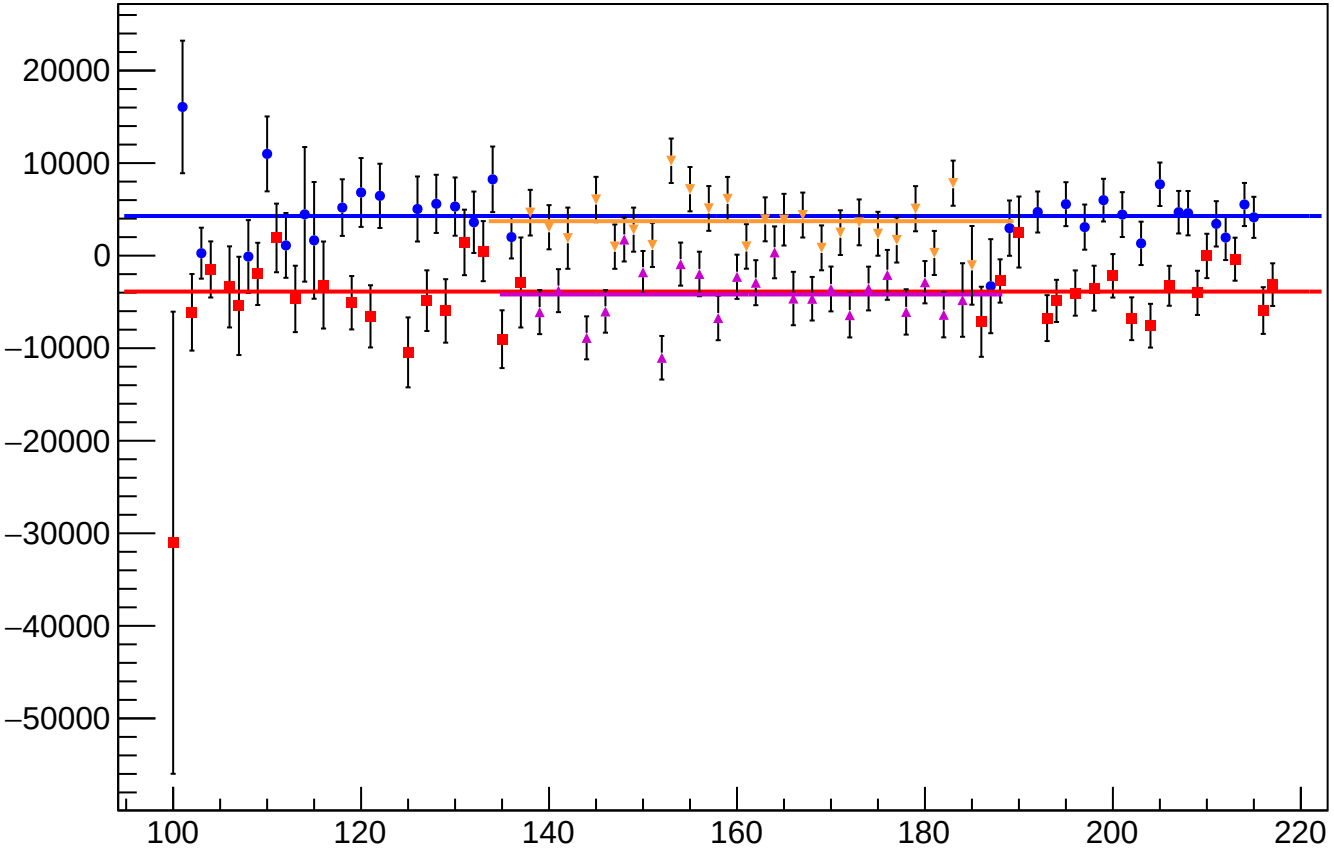
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1370.203+/-0.186 χ^2/NDF: 18703780.6/54

All: 1405.808+/-0.134 χ^2/NDF: 38345784.9/1

- sign 1444.493+/-0.193 χ^2/NDF: 19565191.7/56

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4281.403+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3882.928+/-501.796 χ^2/NDF: 31.8/33

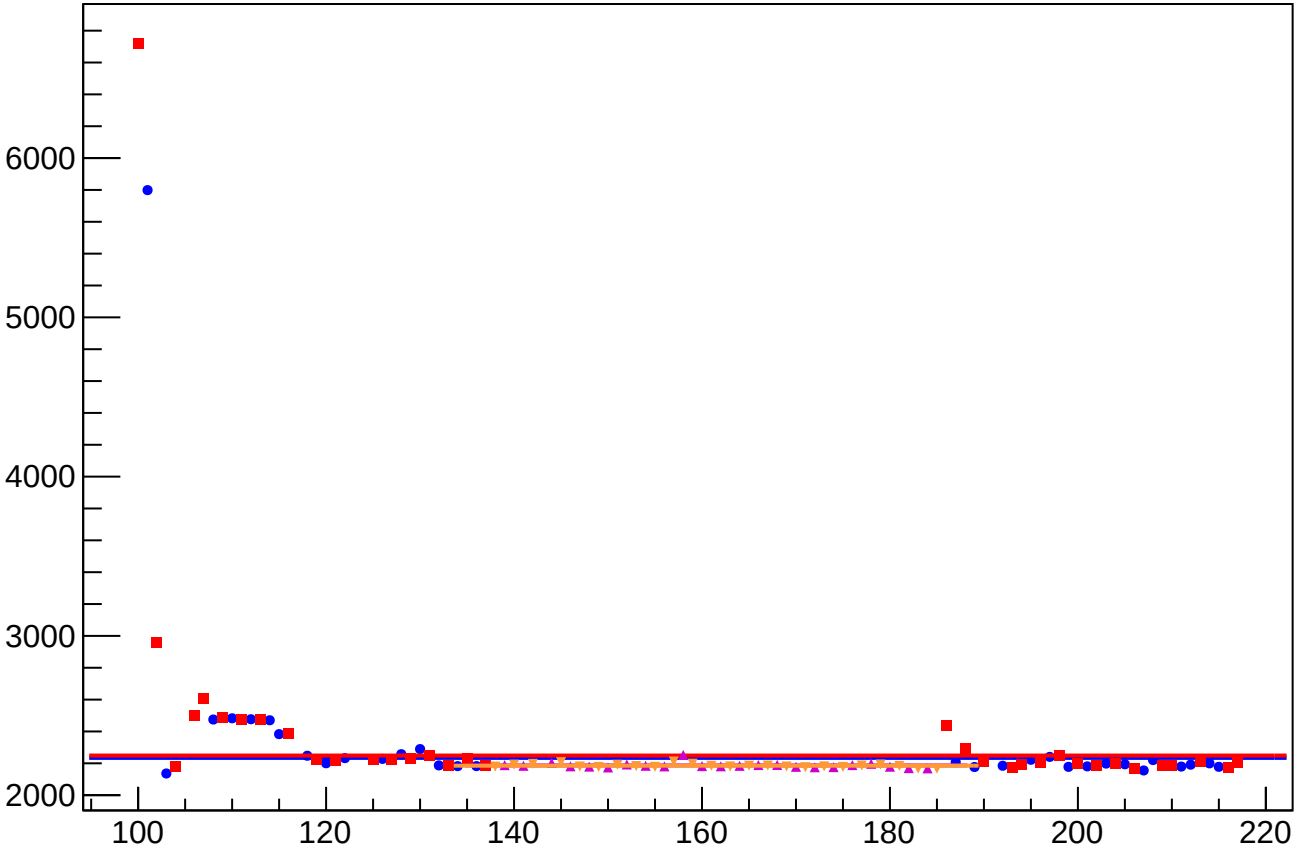
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3999.720+/-360.343 χ^2/NDF: 48.0/54

All: -45.998+/-253.928 χ^2/NDF: 362.5/111

- sign -4036.778+/-357.888 χ^2/NDF: 64.1/56

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2234.149+/-0.362 χ^2/NDF: 539605.4/30

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

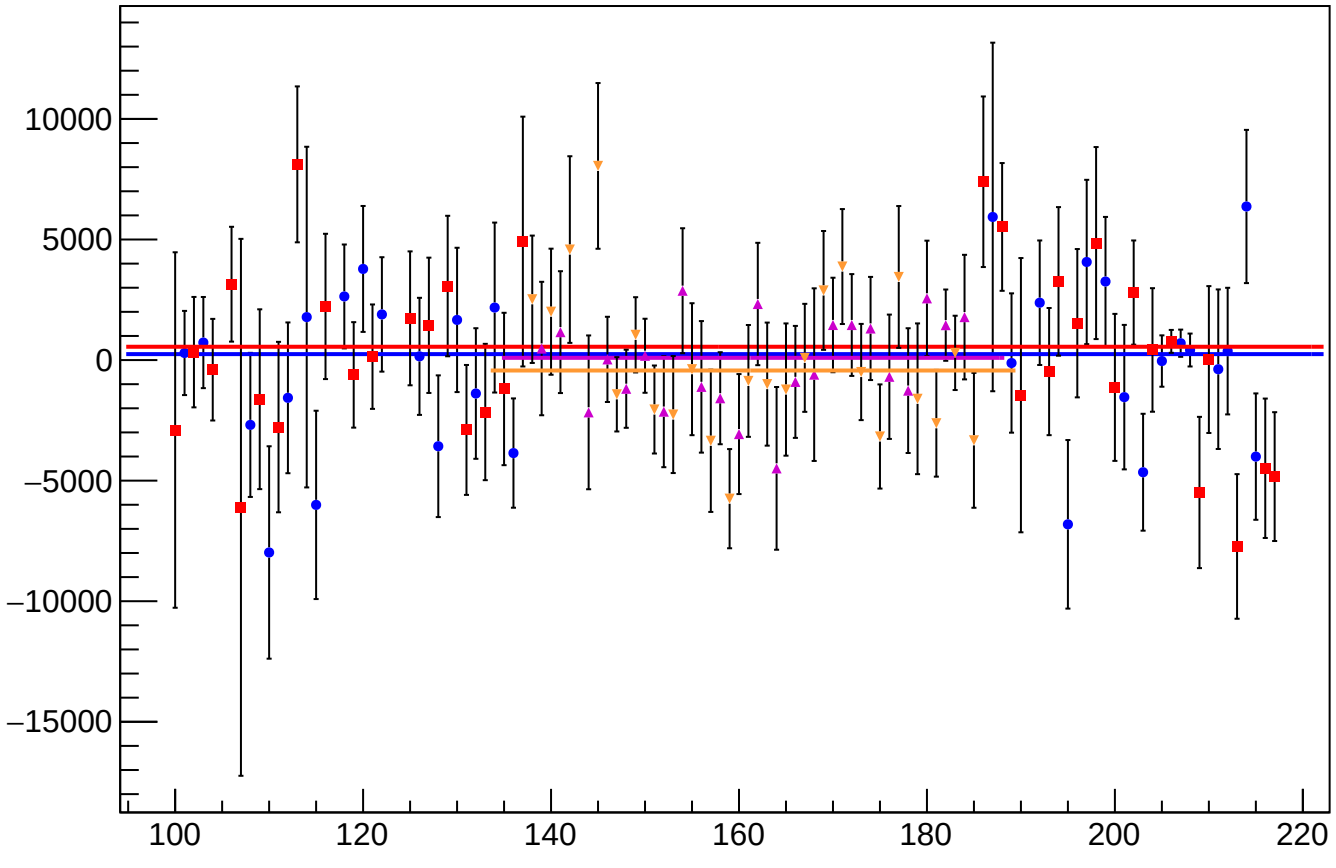
Right Out: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.404+/-0.255 χ^2/NDF: 549671.3/54

All: 2213.889+/-0.180 χ^2/NDF: 757712.1/111

- sign 2218.313+/-0.253 χ^2/NDF: 207425.3/56



Right In: 246.787+/-318.727 χ^2/NDF: 36.4/30

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

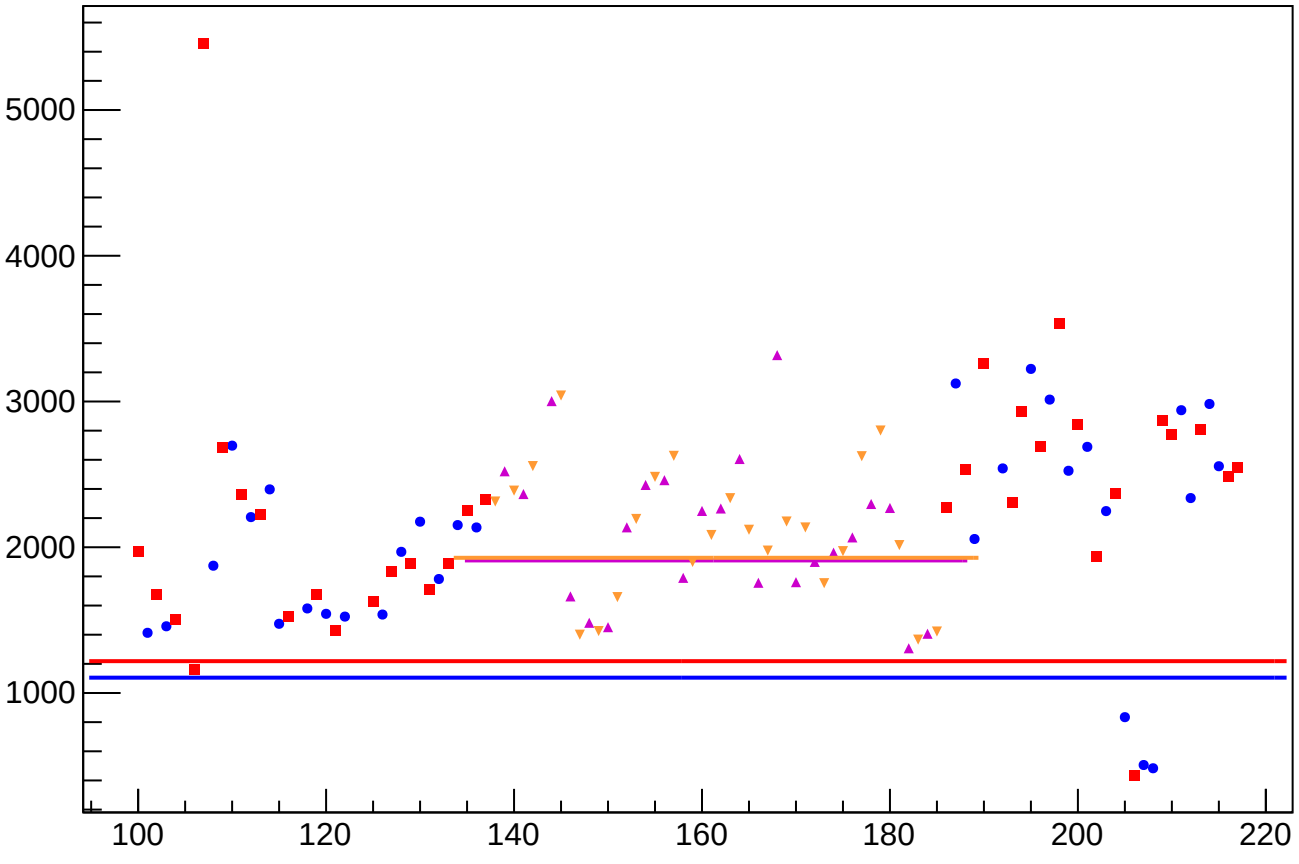
Right Out: 552.445+/-346.174 χ^2/NDF: 43.6/33

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 28.044+/-262.422 χ^2/NDF: 69.1/54

All: 197.751+/-190.423 χ^2/NDF: 127.0/111

- sign 386.491+/-276.746 χ^2/NDF: 57.0/56



Right In: 1105.228+/-0.225 χ^2/NDF: 12616836.0/30

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

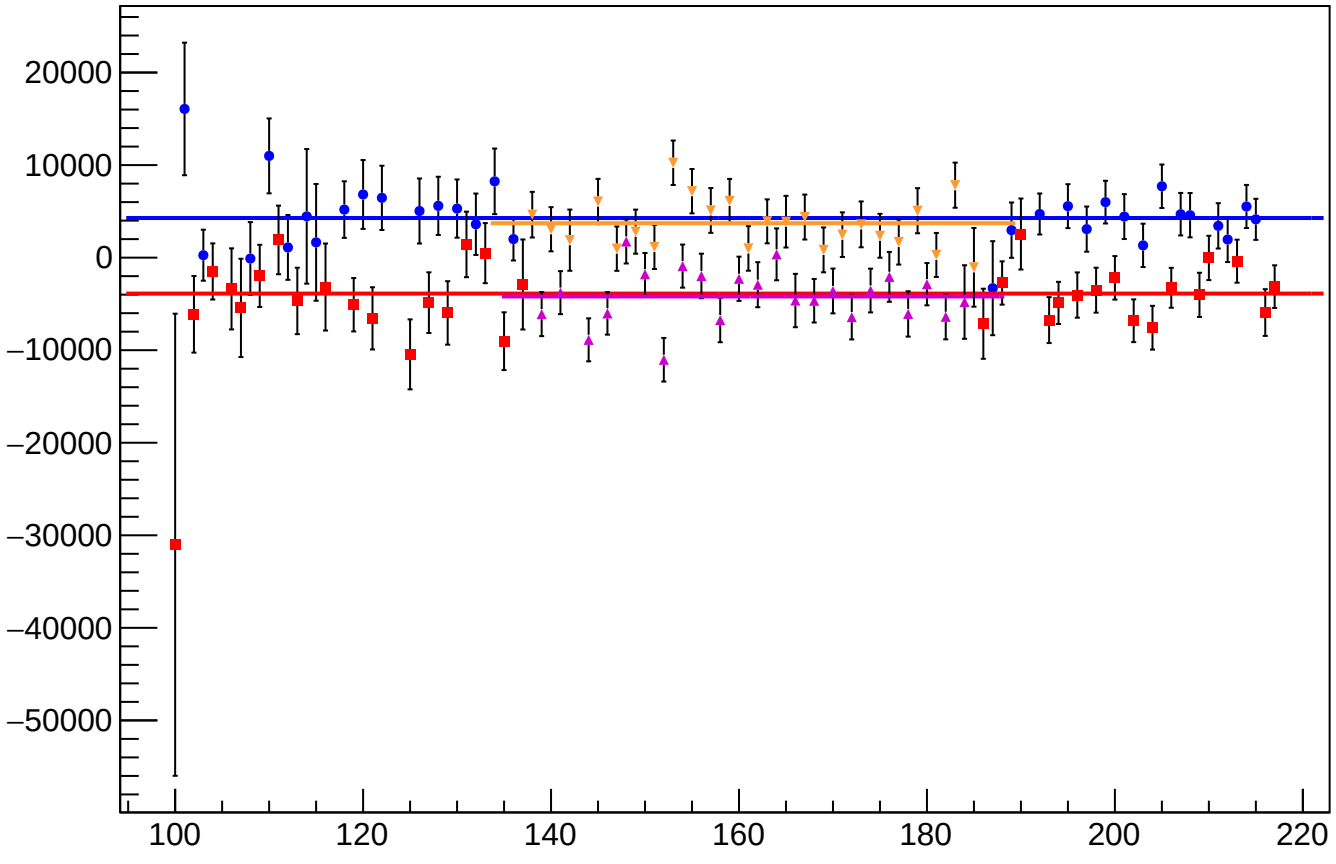
Right Out: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1370.137+/-0.186 χ^2/NDF: 18704559.3/54

All: 1416.436+/-0.135 χ^2/NDF: 37890682.5/1

- sign 1467.929+/-0.196 χ^2/NDF: 19054626.4/56



Right In: 4281.403+/-512.084 χ^2/NDF: 22.0/30

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

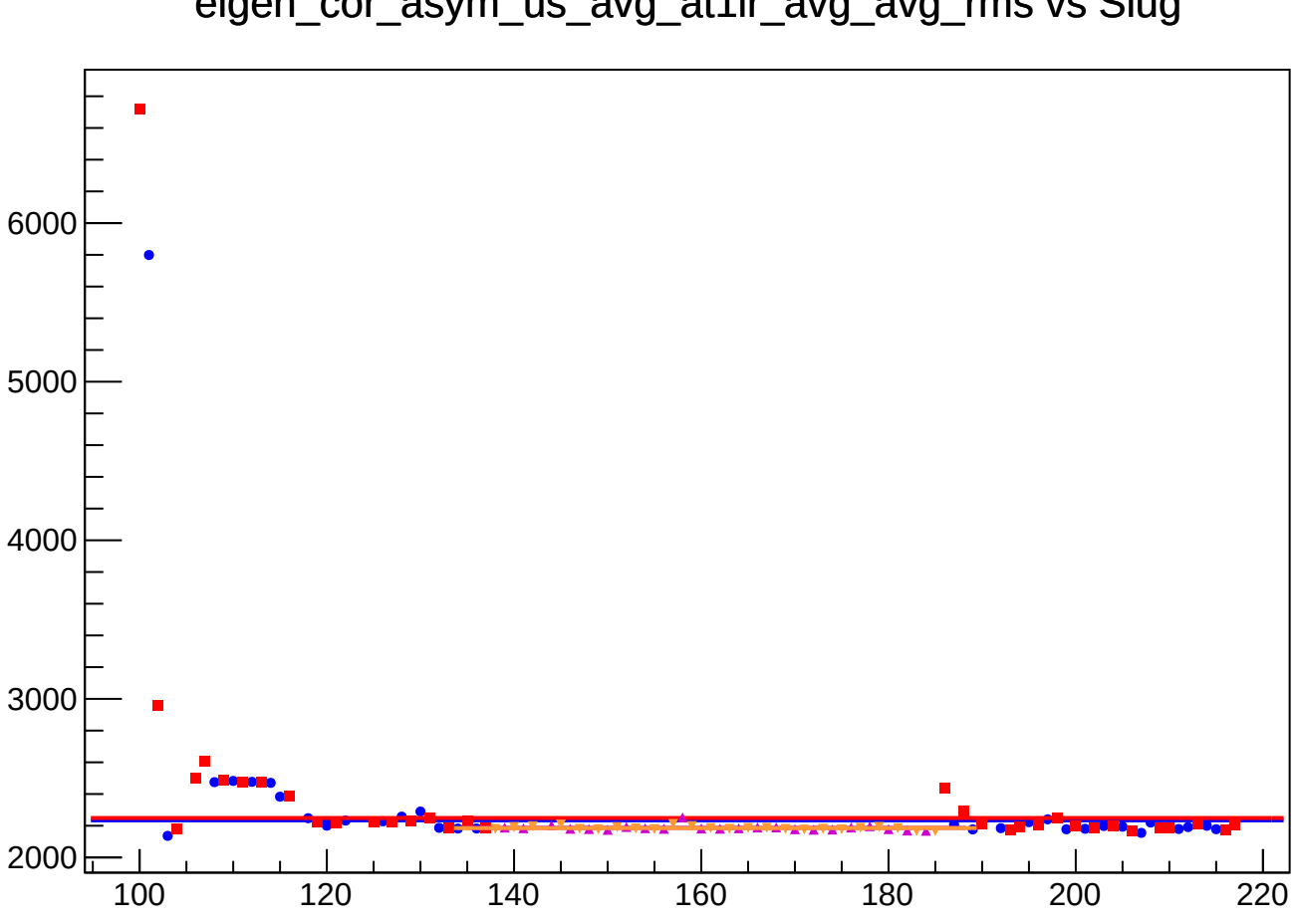
Right Out: -3882.928+/-501.796 χ^2/NDF: 31.8/33

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

\+ sign 3999.720+/-360.343 χ^2/NDF: 48.0/54

All: -45.998+/-253.928 χ^2/NDF: 362.5/111

\- sign -4036.778+/-357.888 χ^2/NDF: 64.1/56



Right In: 2234.149+/-0.362 χ^2/NDF: 539605.4/30

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

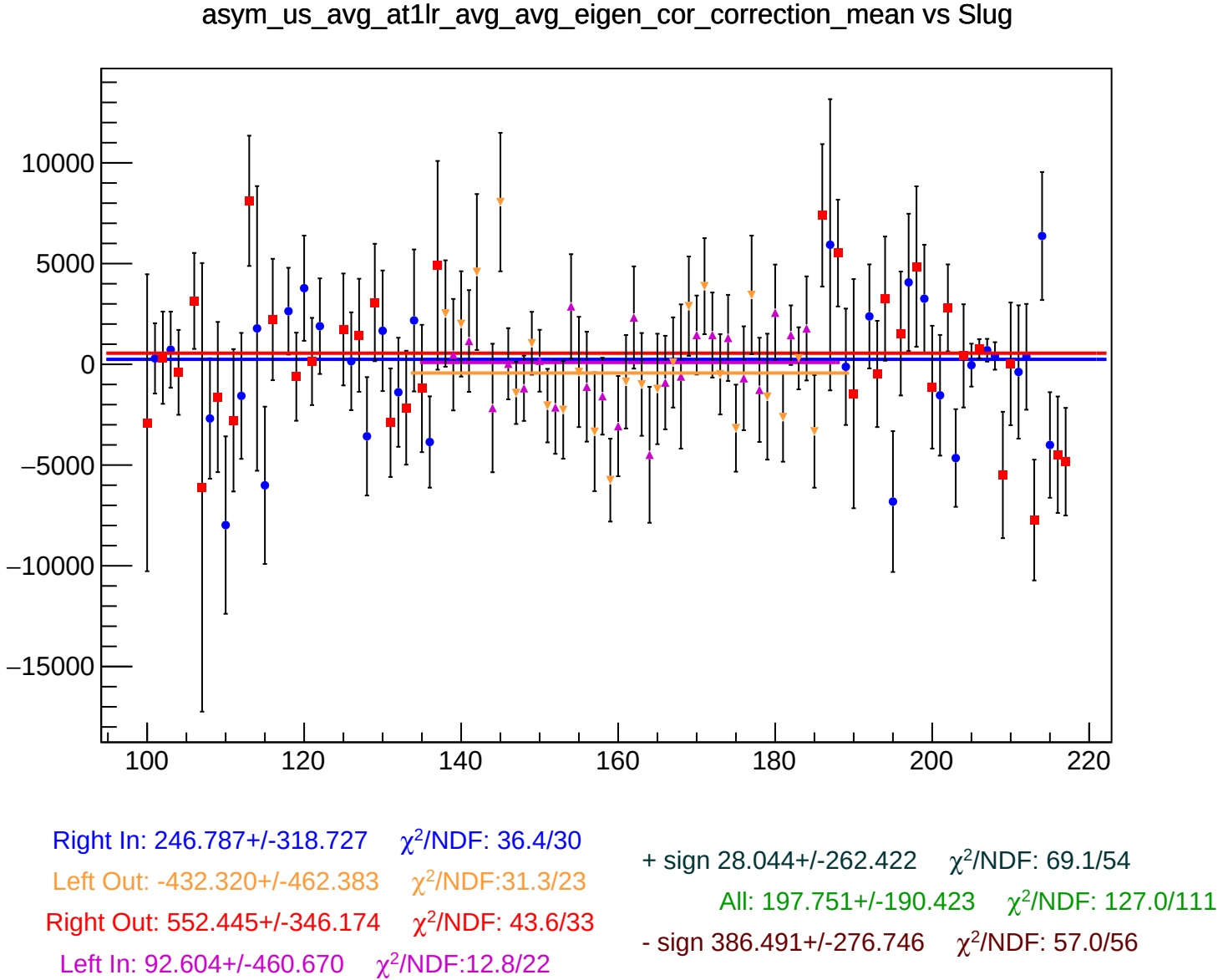
Right Out: 2248.805+/-0.355 χ^2/NDF: 190331.3/33

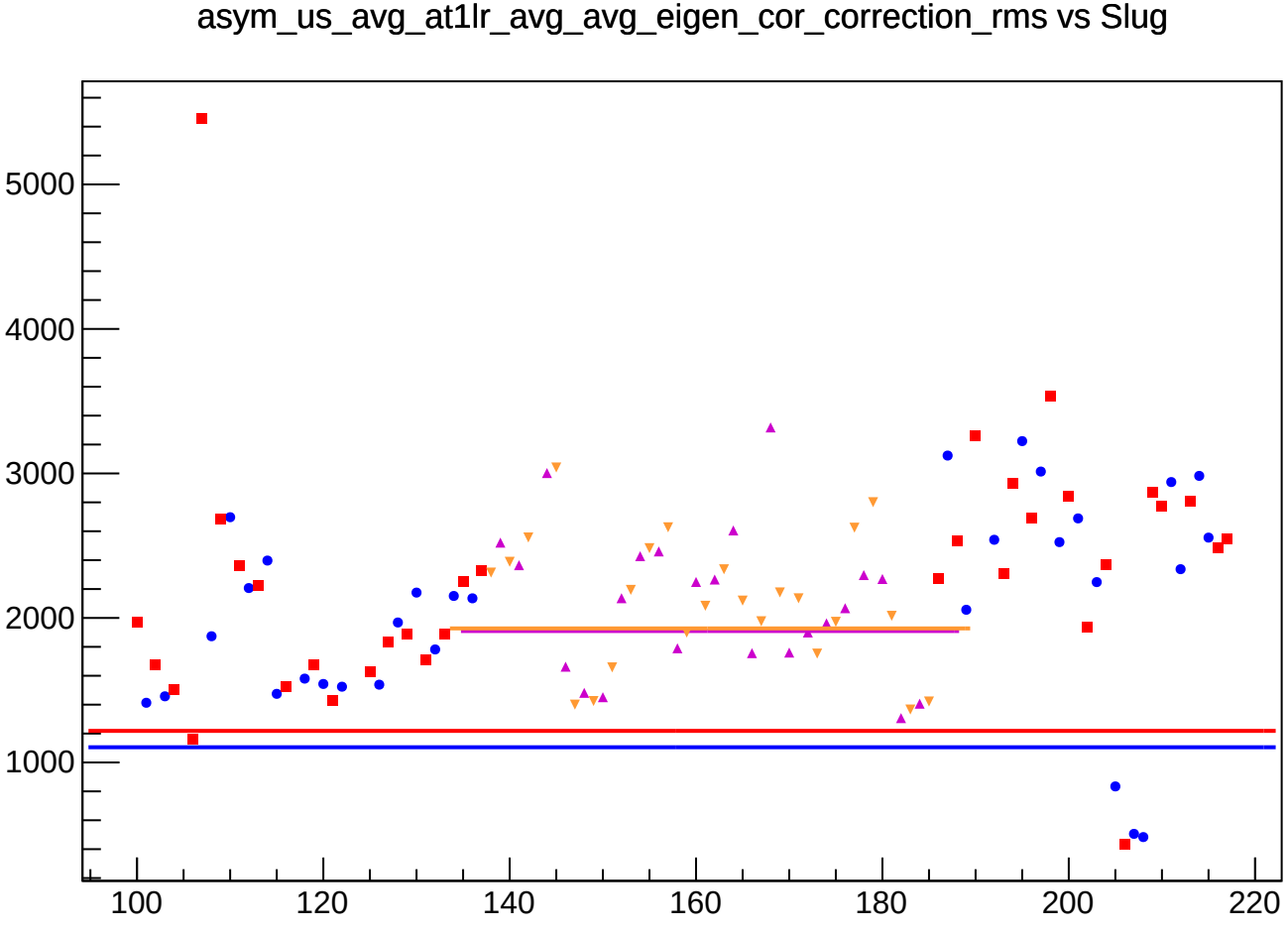
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2209.404+/-0.255 χ^2/NDF: 549671.3/54

All: 2213.889+/-0.180 χ^2/NDF: 757712.1/111

- sign 2218.313+/-0.253 χ^2/NDF: 207425.3/56


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 246.787+/-318.727 χ²/NDF: 36.4/30
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 552.445+/-346.174 χ²/NDF: 43.6/33
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 28.044+/-262.422 χ²/NDF: 69.1/54
All: 197.751+/-190.423 χ²/NDF: 127.0/111
- sign 386.491+/-276.746 χ²/NDF: 57.0/56



Right In: 1105.228+/-0.225 χ^2/NDF: 12616836.0/30

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1218.512+/-0.245 χ^2/NDF: 14235531.9/33

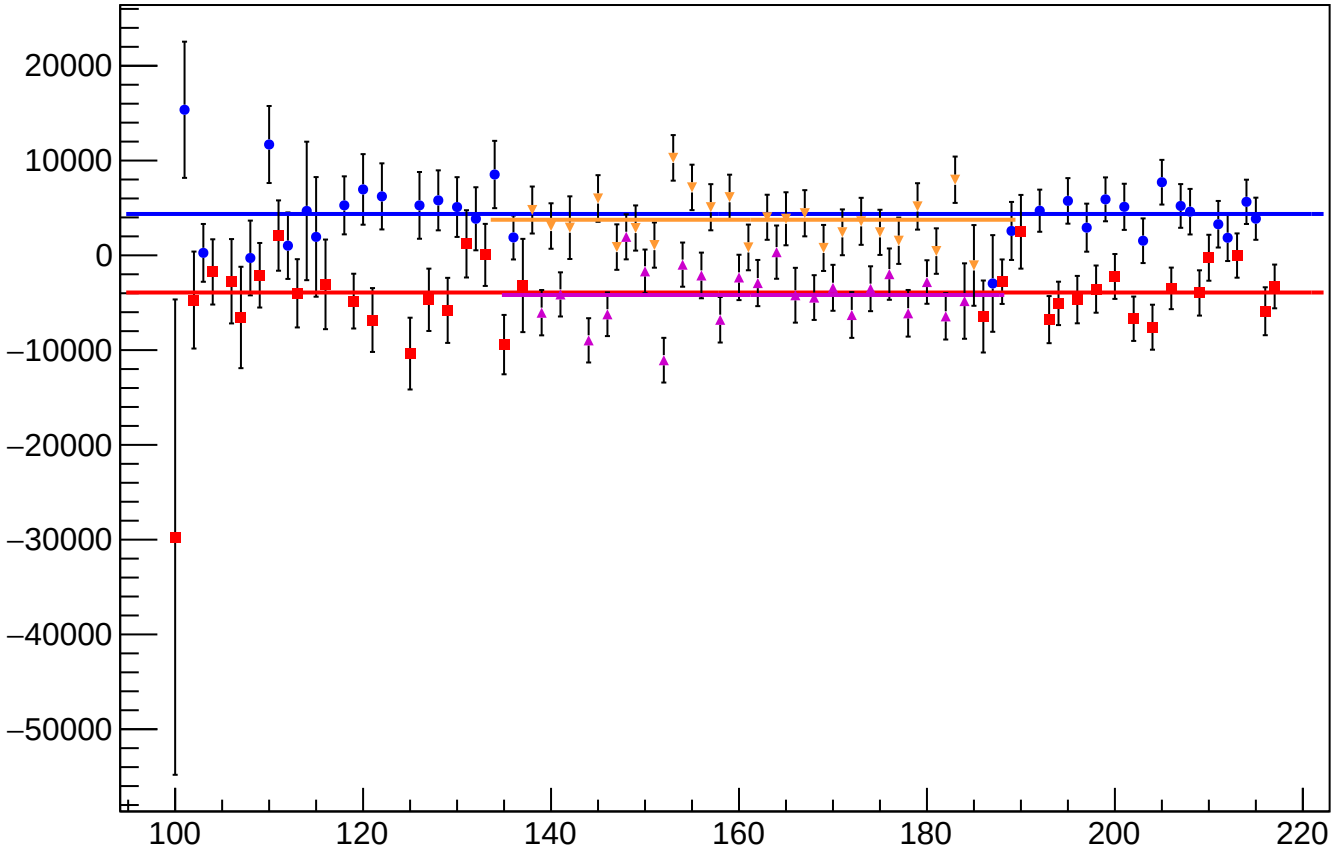
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1370.137+/-0.186 χ^2/NDF: 18704559.3/54

All: 1416.436+/-0.135 χ^2/NDF: 37890682.5/1

- sign 1467.929+/-0.196 χ^2/NDF: 19054626.4/56

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4364.196+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3923.323+/-508.260 χ^2/NDF: 30.7/33

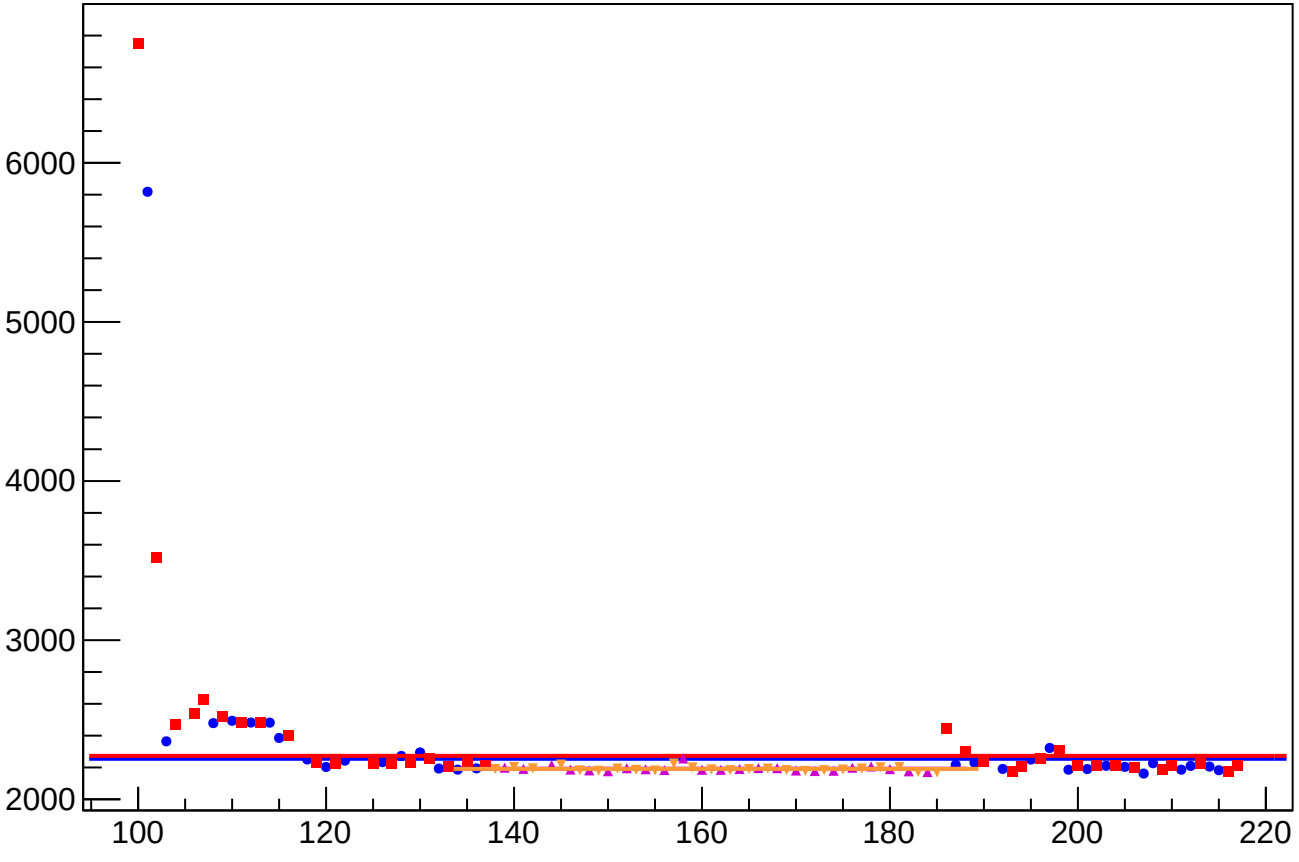
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4054.205+/-362.504 χ^2/NDF: 48.8/54

All: -19.974+/-255.675 χ^2/NDF: 363.6/111

- sign -4052.847+/-360.662 χ^2/NDF: 63.5/56

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2254.539+/-0.365 χ^2/NDF: 539572.1/30

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

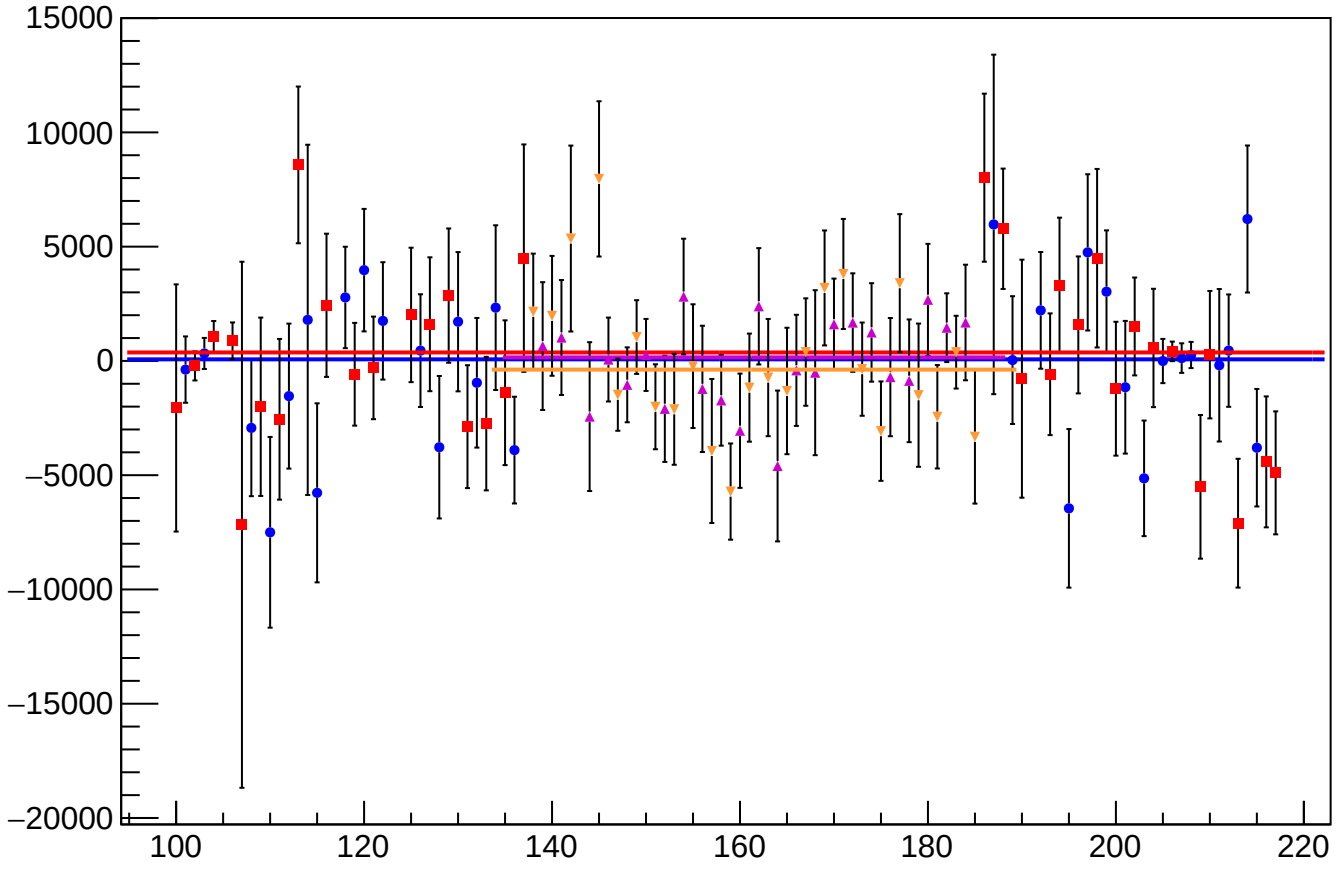
Right Out: 2273.010+/-0.359 χ^2/NDF: 258781.1/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2222.331+/-0.256 χ^2/NDF: 556087.6/54

All: 2227.638+/-0.181 χ^2/NDF: 843103.3/111

- sign 2232.891+/-0.255 χ^2/NDF: 286162.8/56



Right In: 68.687+/-287.048 χ^2/NDF: 34.8/30

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

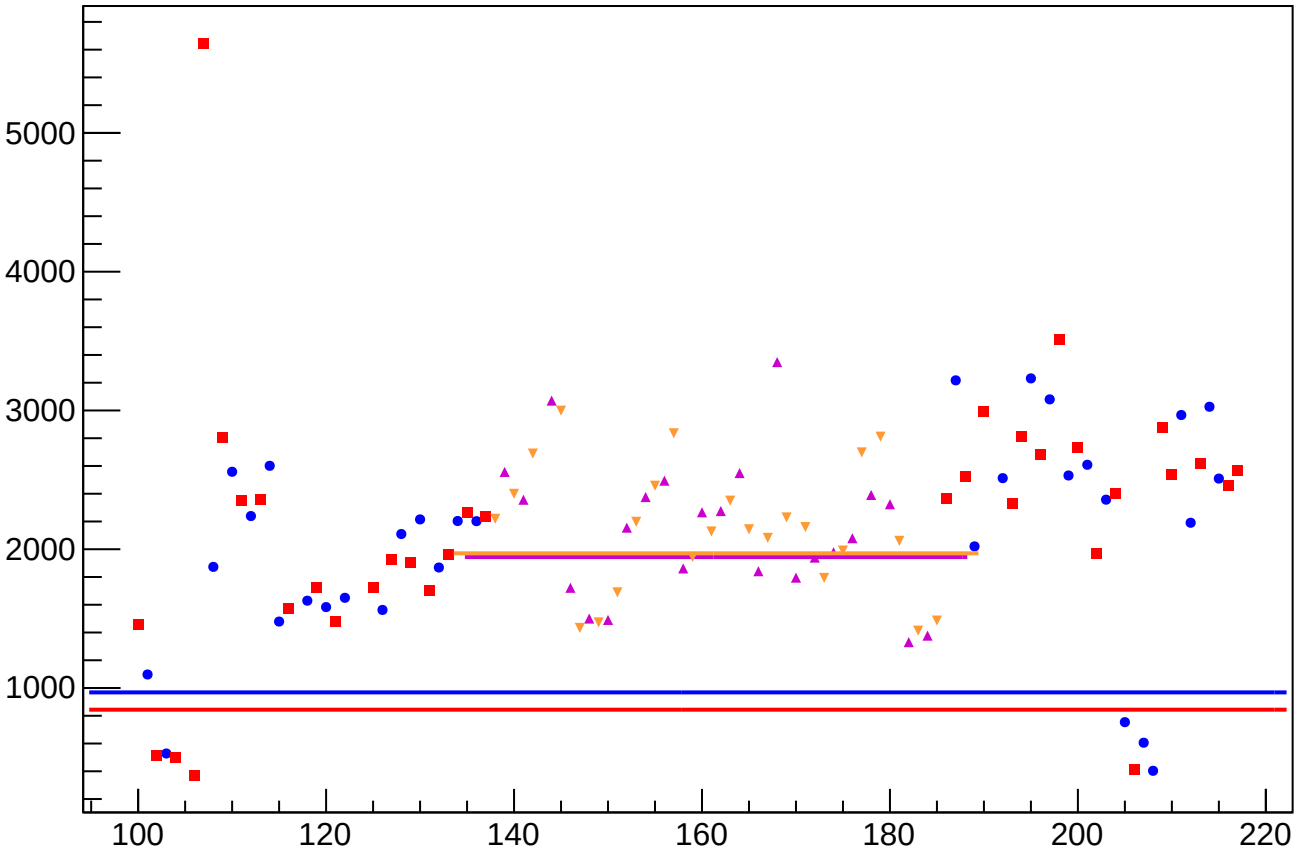
Right Out: 370.020+/-259.359 χ^2/NDF: 43.9/33

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -52.782+/-245.182 χ^2/NDF: 66.2/54

All: 147.732+/-166.512 χ^2/NDF: 124.3/111

- sign 319.384+/-226.852 χ^2/NDF: 56.9/56



Right In: 968.415+/-0.203 χ^2/NDF: 14063233.2/30

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

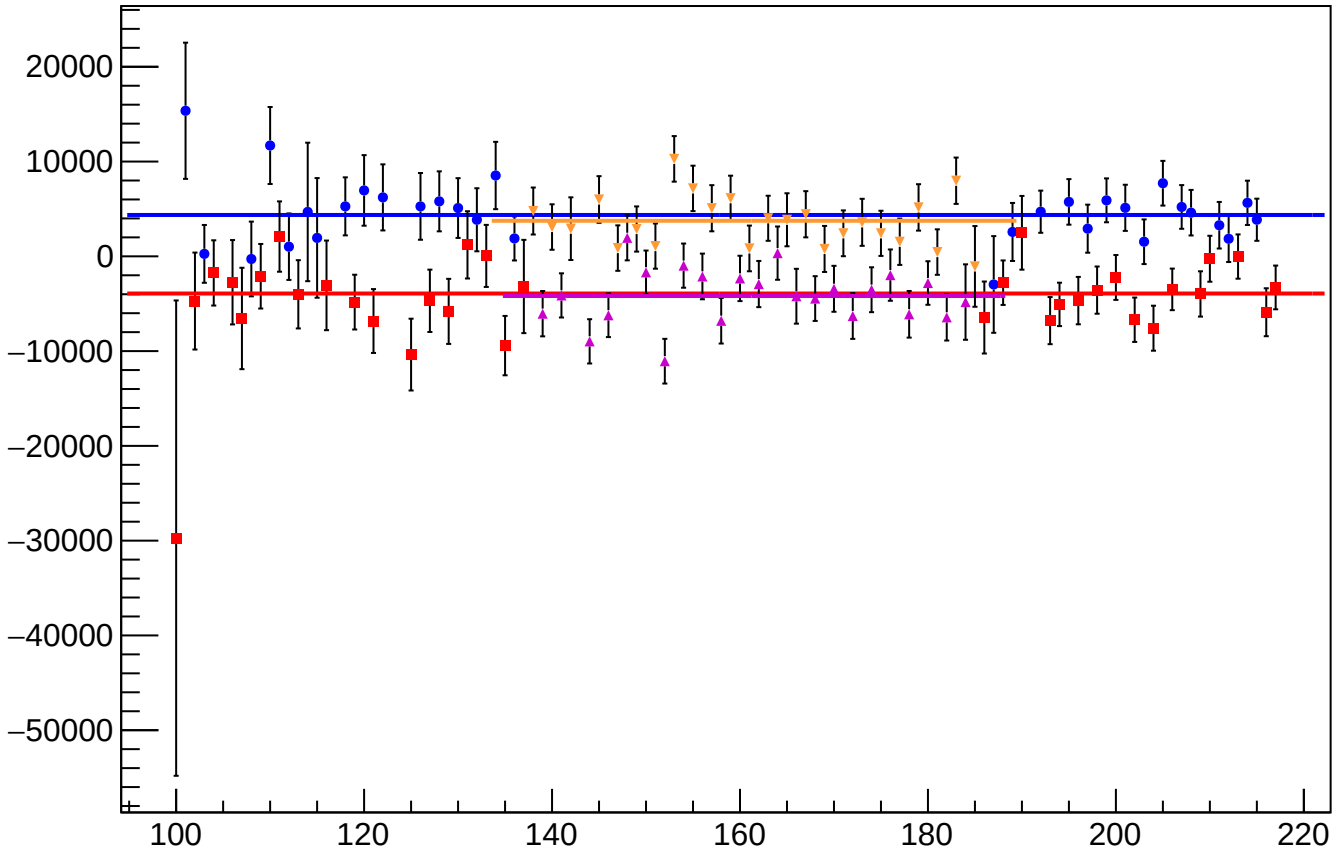
Right Out: 843.790+/-0.183 χ^2/NDF: 18387188.1/33

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1239.448+/-0.173 χ^2/NDF: 22353373.8/54

All: 1165.507+/-0.118 χ^2/NDF: 51411568.3/1

- sign 1102.209+/-0.160 χ^2/NDF: 28720585.8/56



Right In: 4364.195+/-516.847 χ^2/NDF: 22.4/30

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3923.322+/-508.260 χ^2/NDF: 30.7/33

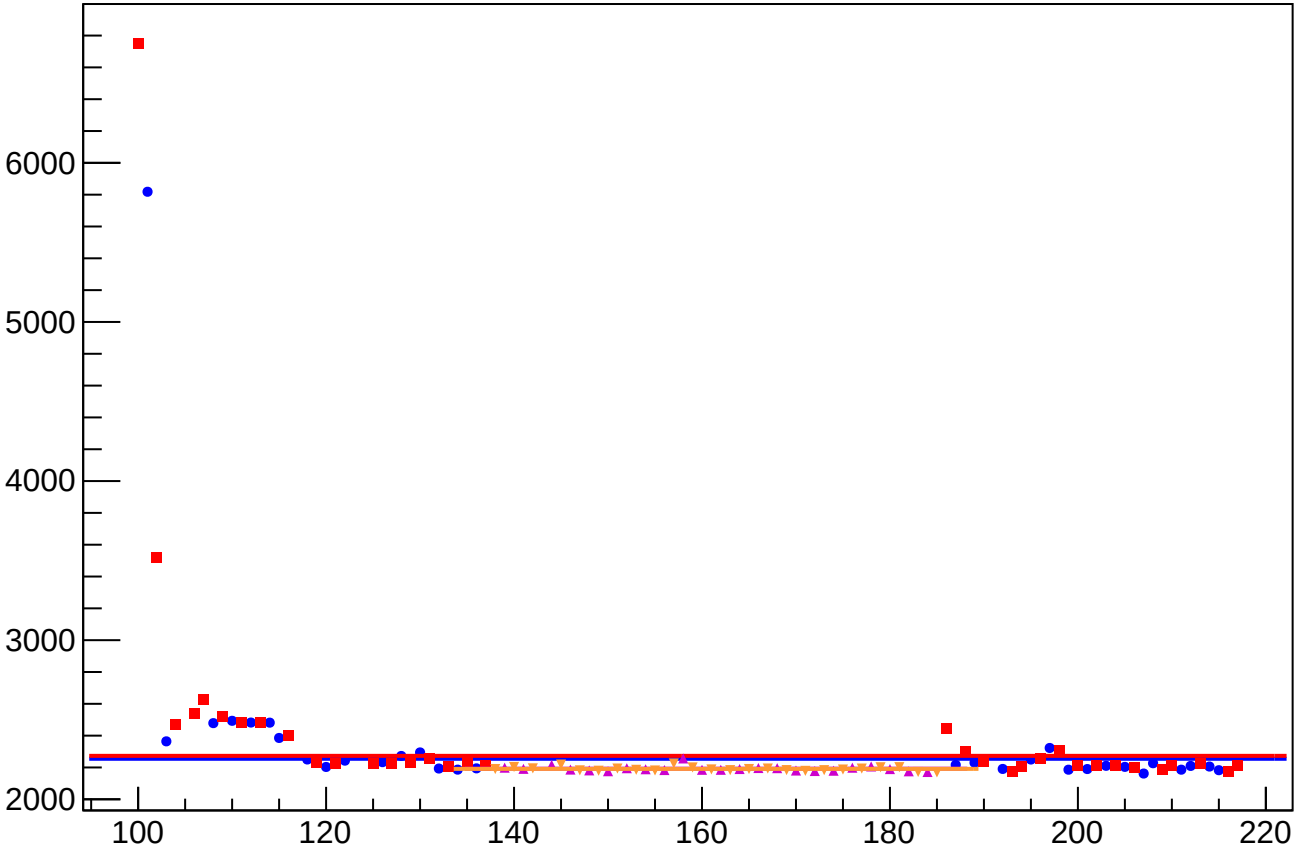
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4054.203+/-362.504 χ^2/NDF: 48.8/54

All: -19.975+/-255.675 χ^2/NDF: 363.6/111

- sign -4052.847+/-360.662 χ^2/NDF: 63.5/56

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2254.539+/-0.365 χ^2/NDF: 539571.9/30

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

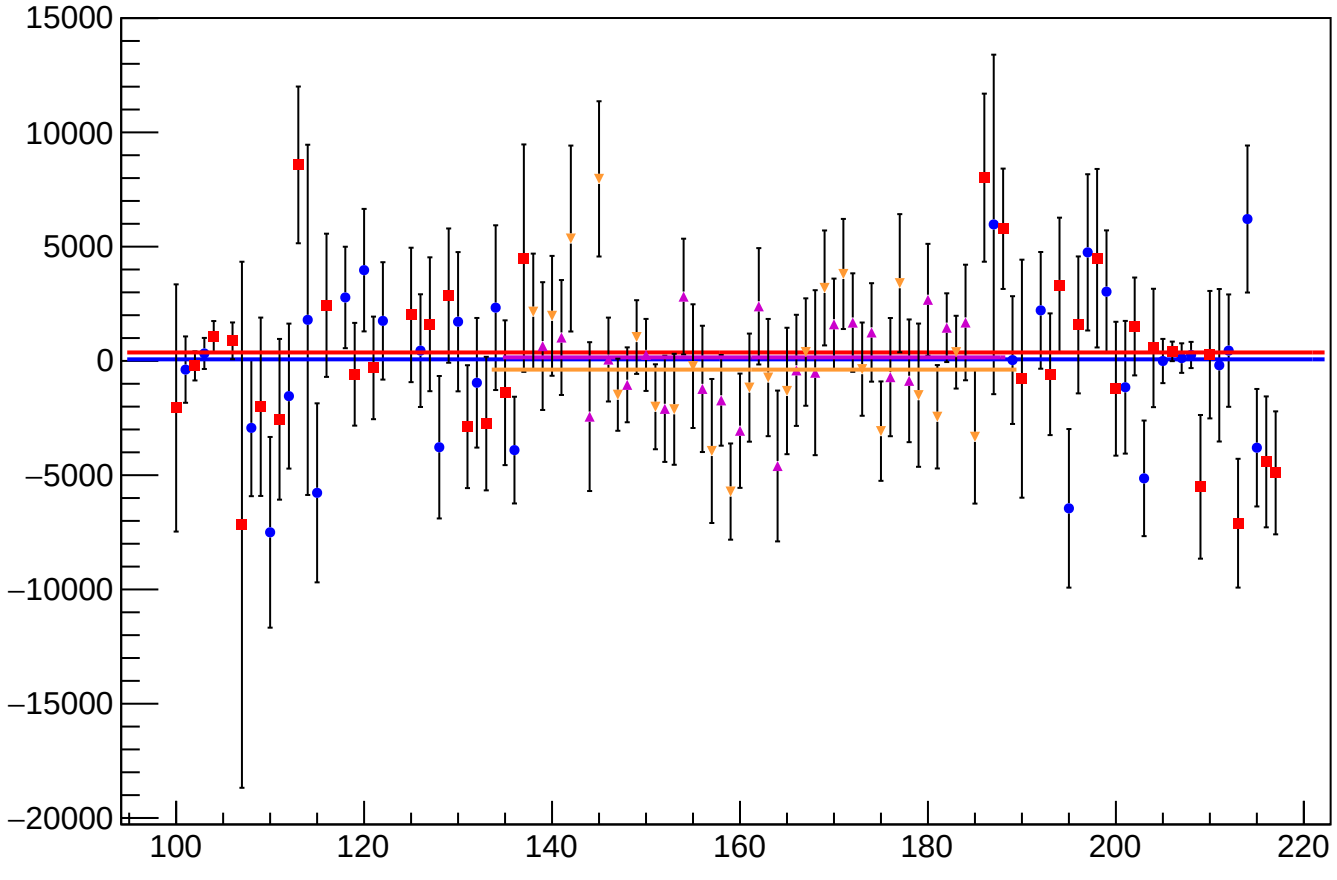
Right Out: 2273.010+/-0.359 χ^2/NDF: 258779.8/33

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2222.331+/-0.256 χ^2/NDF: 556087.4/54

All: 2227.638+/-0.181 χ^2/NDF: 843101.6/111

- sign 2232.891+/-0.255 χ^2/NDF: 286161.3/56



Right In: 68.684+/-287.048 χ^2/NDF: 34.8/30

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

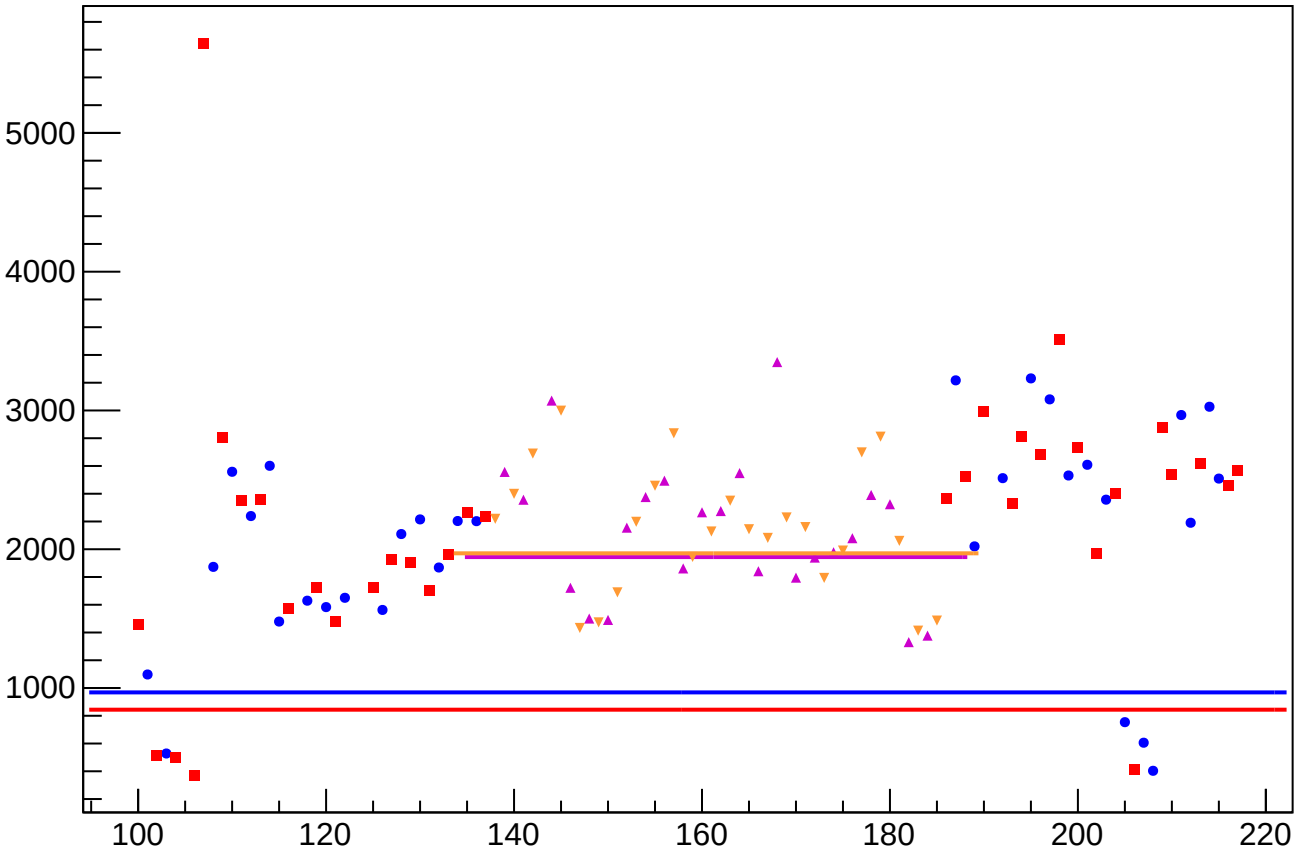
Right Out: 370.016+/-259.360 χ^2/NDF: 43.9/33

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -52.785+/-245.182 χ^2/NDF: 66.2/54

All: 147.728+/-166.513 χ^2/NDF: 124.3/111

- sign 319.381+/-226.853 χ^2/NDF: 56.9/56



Right In: 968.415+/-0.203 χ^2/NDF: 14063253.8/30

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

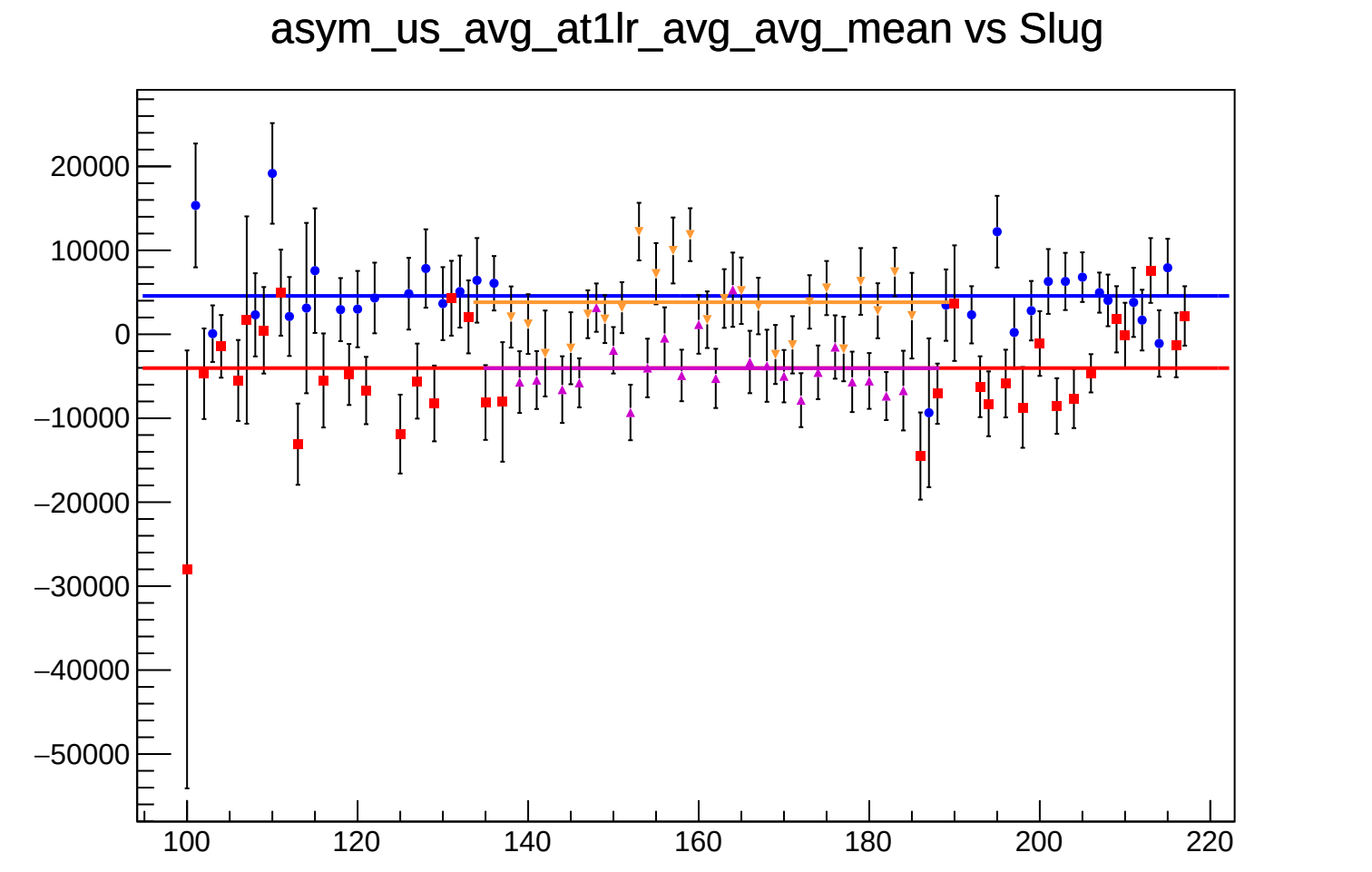
Right Out: 843.795+/-0.183 χ^2/NDF: 18387106.6/33

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1239.448+/-0.173 χ^2/NDF: 22353423.8/54

All: 1165.510+/-0.118 χ^2/NDF: 51411447.3/1

- sign 1102.214+/-0.160 χ^2/NDF: 28720441.7/56



Right In: 4571.450+/-718.015 χ^2/NDF: 23.9/30

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4026.413+/-720.837 χ^2/NDF: 48.2/33

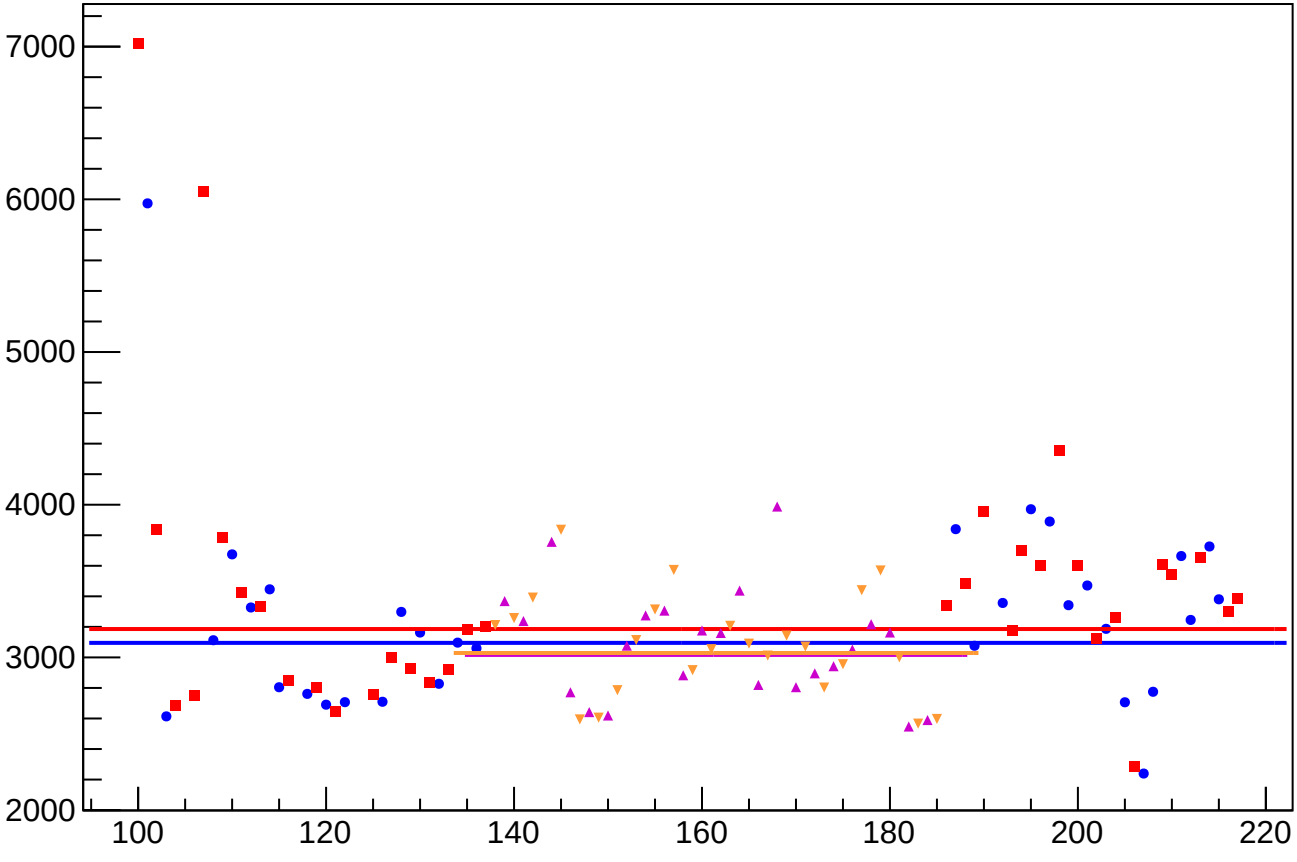
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4189.517+/-504.248 χ^2/NDF: 55.3/54

All: 89.141+/-357.062 χ^2/NDF: 258.7/111

- sign -4034.544+/-505.679 χ^2/NDF: 70.7/56

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3095.231+/-0.508 χ^2/NDF: 1078476.2/30

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

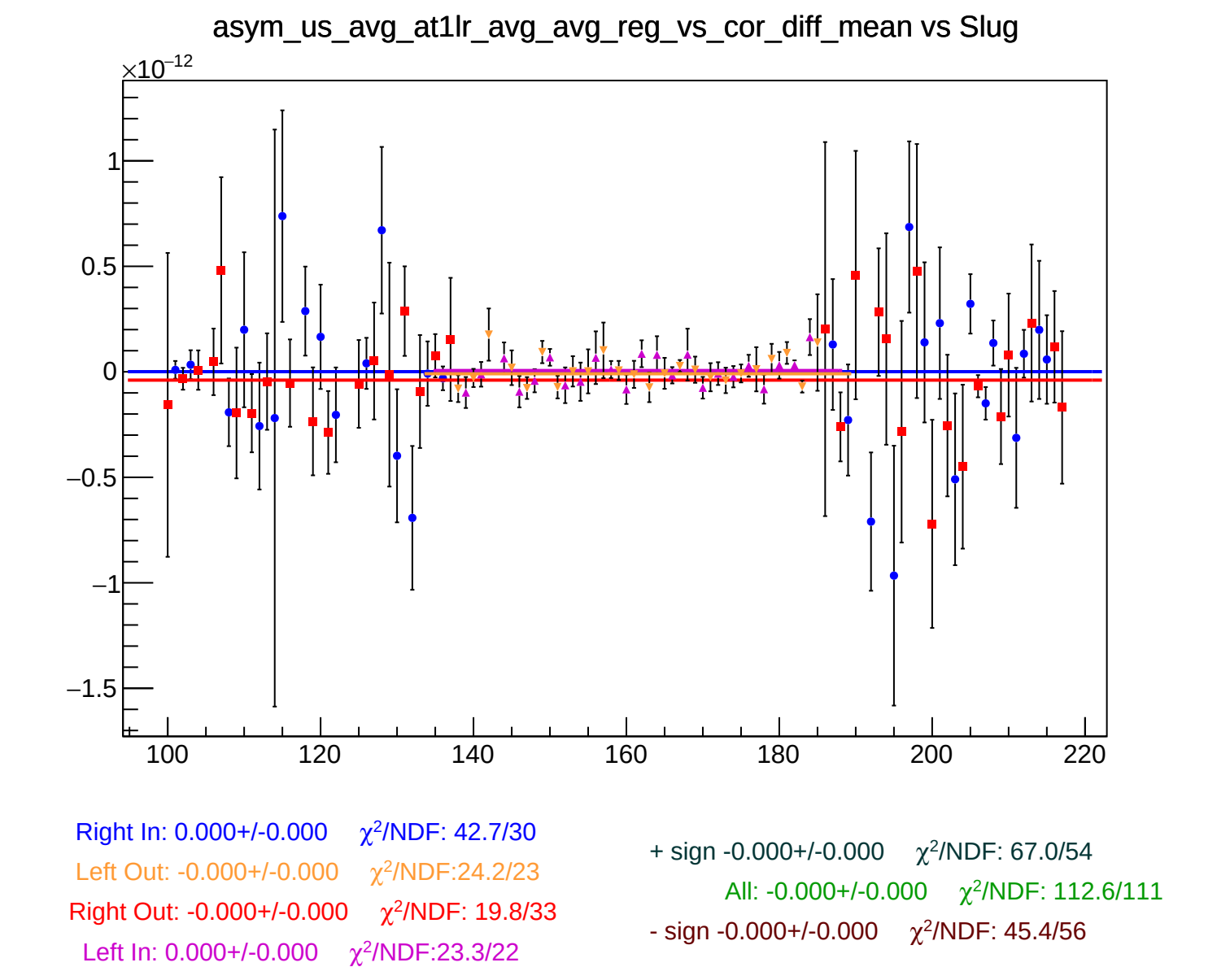
Right Out: 3185.900+/-0.510 χ^2/NDF: 1006241.3/33

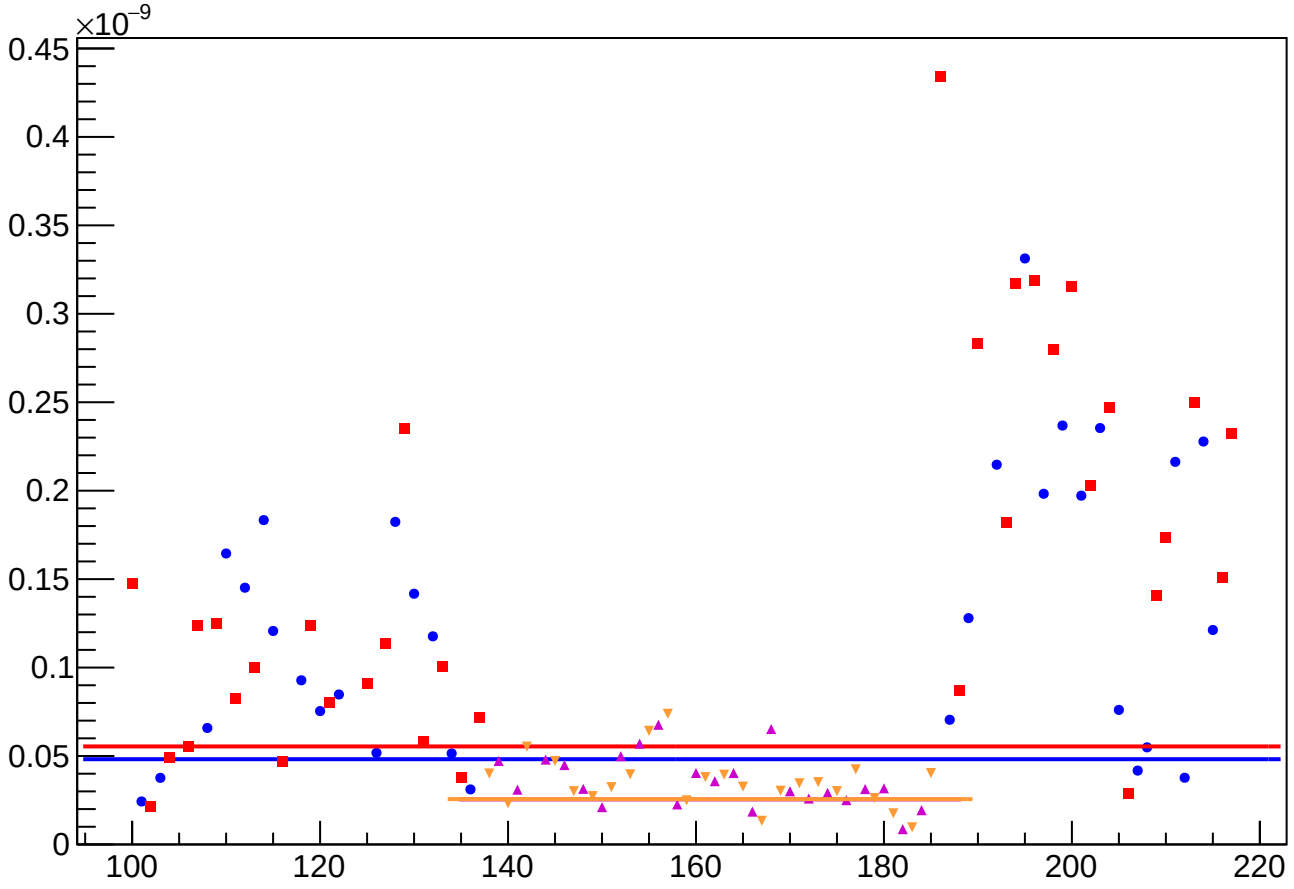
Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3061.656+/-0.357 χ^2/NDF: 1484216.0/54

All: 3080.644+/-0.252 χ^2/NDF: 2992304.5/11

- sign 3099.740+/-0.358 χ^2/NDF: 1502400.5/56


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 42.7/30
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.8/33
Left In: 0.000+/-0.000 χ²/NDF:23.3/22
+ sign -0.000+/-0.000 χ²/NDF: 67.0/54
All: -0.000+/-0.000 χ²/NDF: 112.6/111
- sign -0.000+/-0.000 χ²/NDF: 45.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 6169920.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

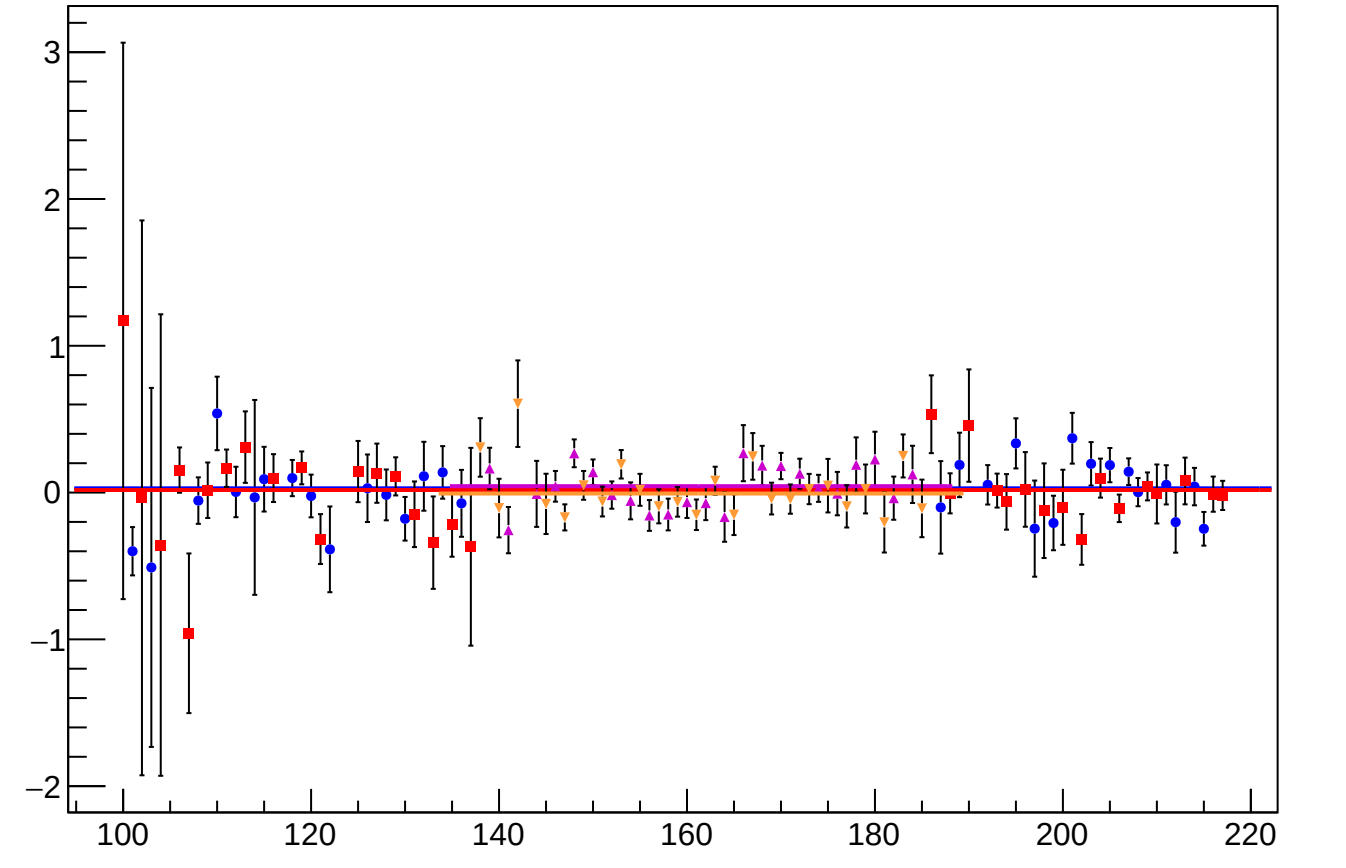
Right Out: 0.000+/-0.000 χ^2/NDF: 8099815.3/33

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10131351.0/54

All: 0.000+/-0.000 χ^2/NDF: 23102650.4/111

- sign 0.000+/-0.000 χ^2/NDF: 12971262.9/56



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

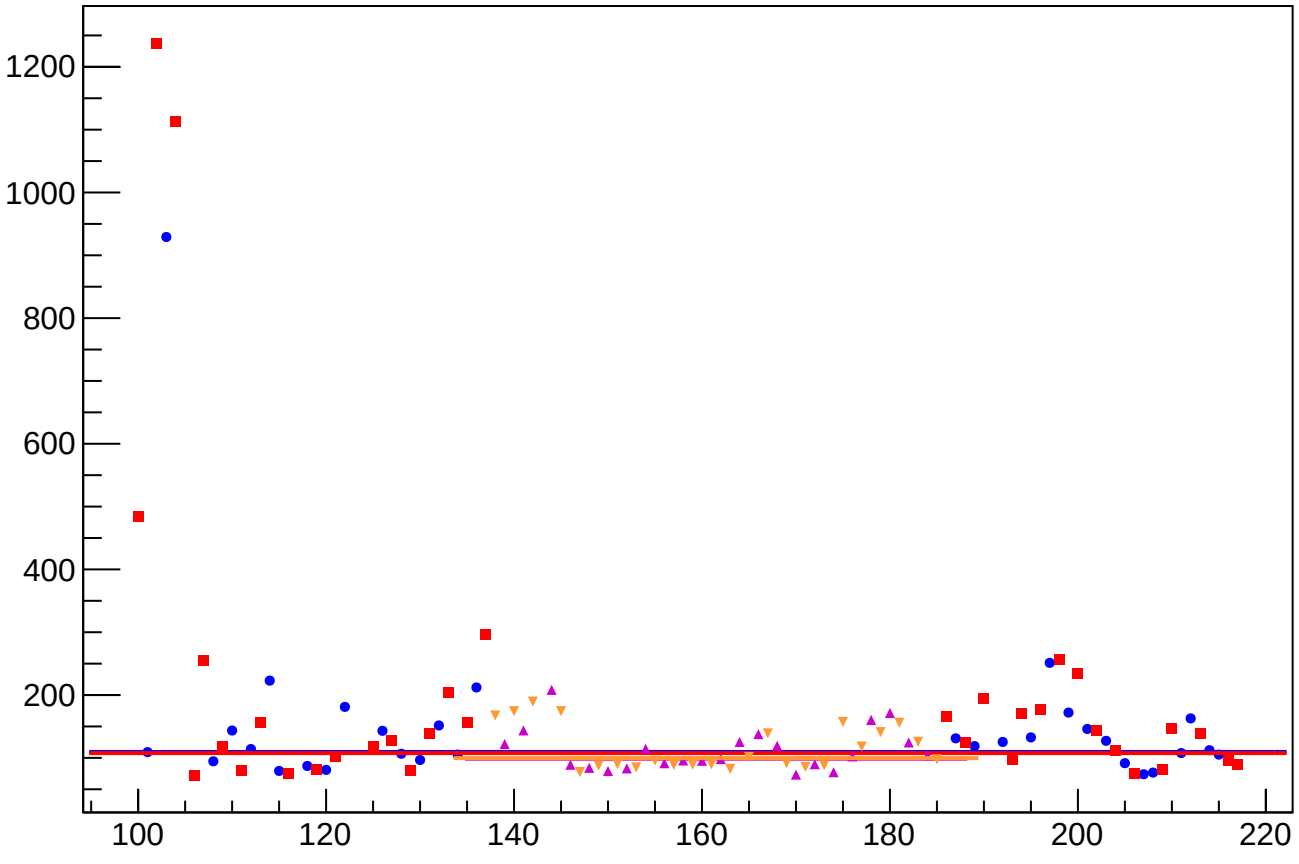
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.009+/-0.019 χ^2/NDF: 67.2/54

All: 0.021+/-0.013 χ^2/NDF: 128.4/111

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56



Right In: 109.390+/-0.020 χ^2/NDF: 3363359.0/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

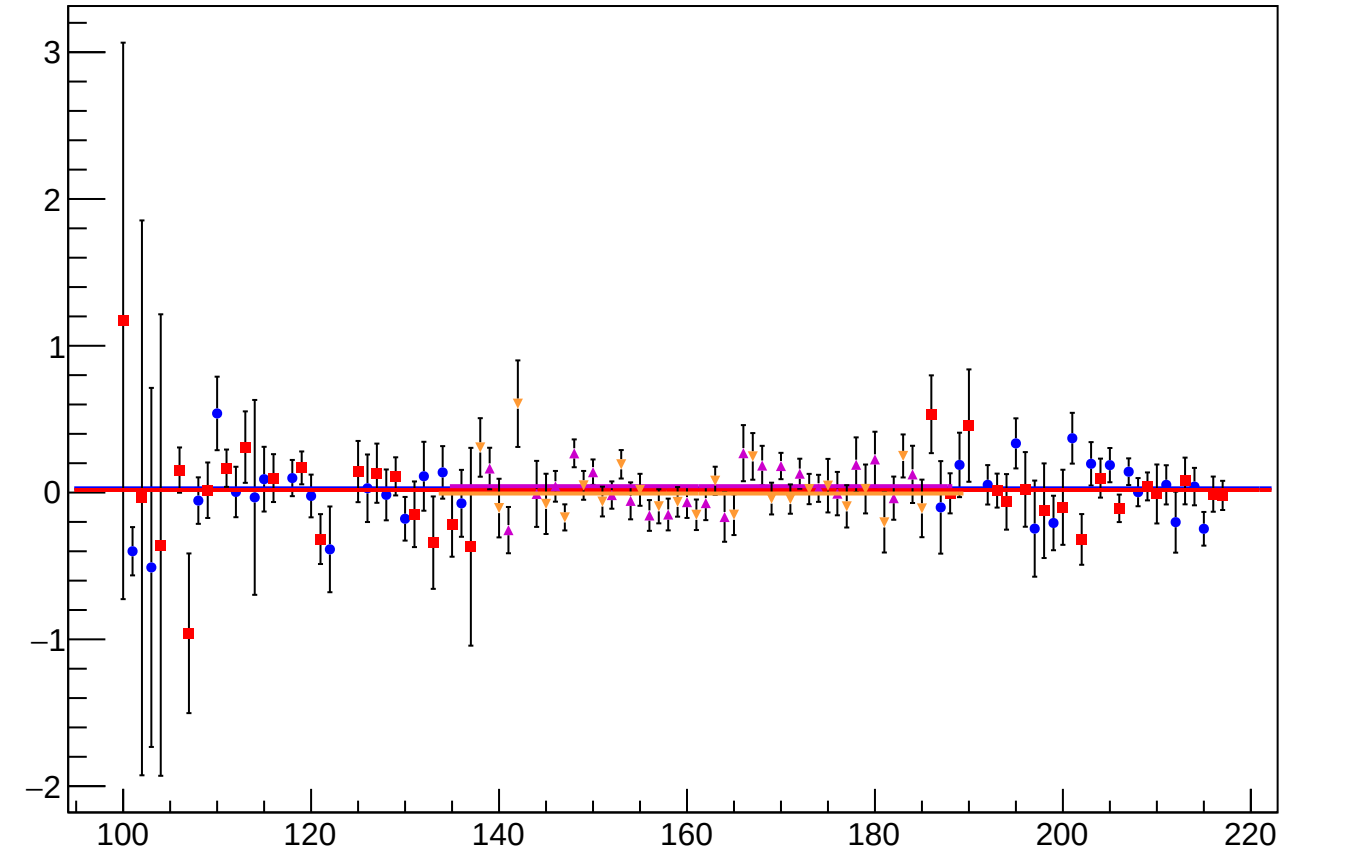
Right Out: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.848+/-0.013 χ^2/NDF: 5564539.3/54

All: 103.188+/-0.009 χ^2/NDF: 12771782.9/11

- sign 102.543+/-0.013 χ^2/NDF: 7202489.3/56



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

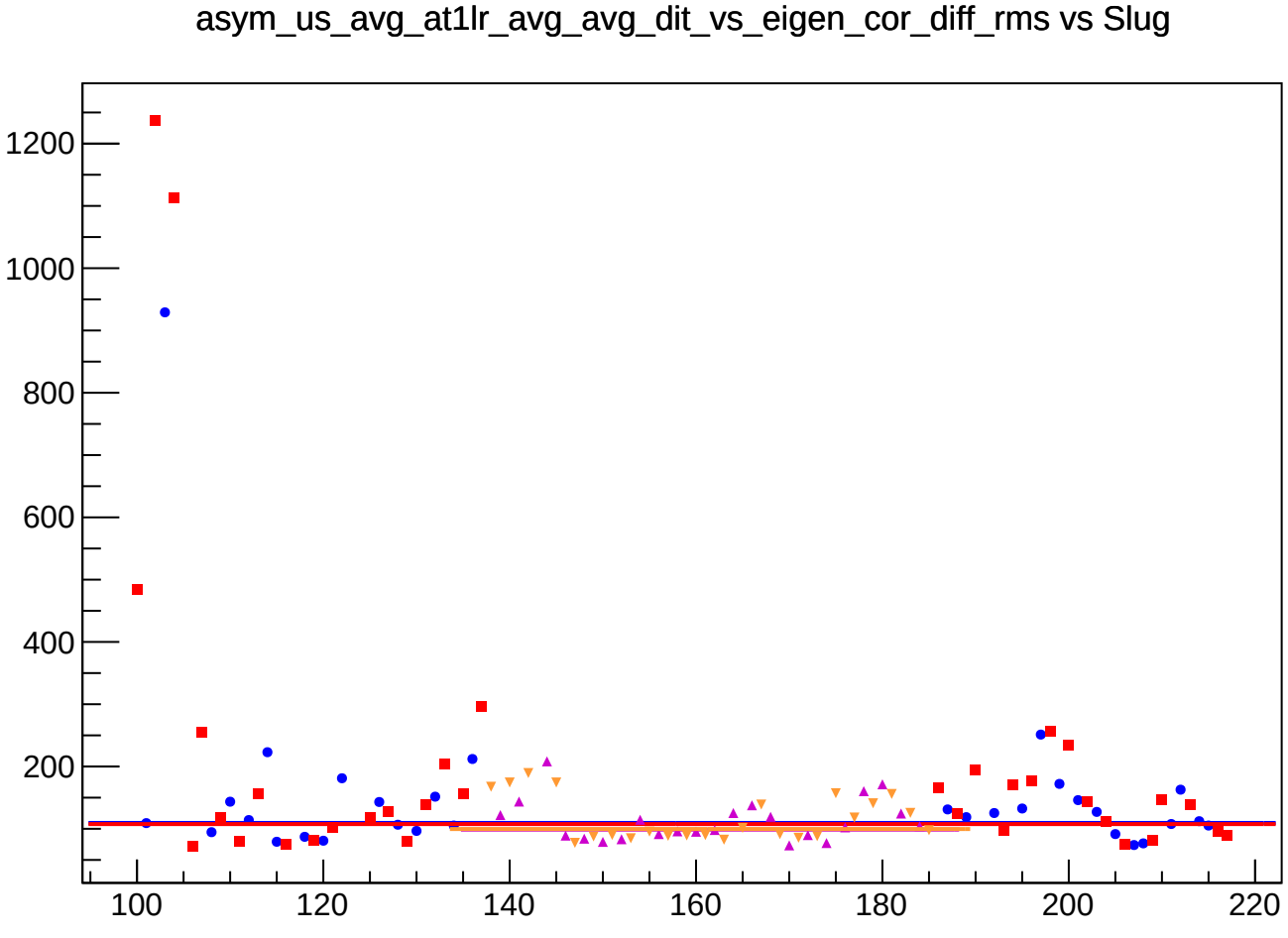
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.009+/-0.019 χ^2/NDF: 67.2/54

All: 0.021+/-0.013 χ^2/NDF: 128.4/111

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56



Right In: 109.390+/-0.020 χ^2/NDF: 3363359.0/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

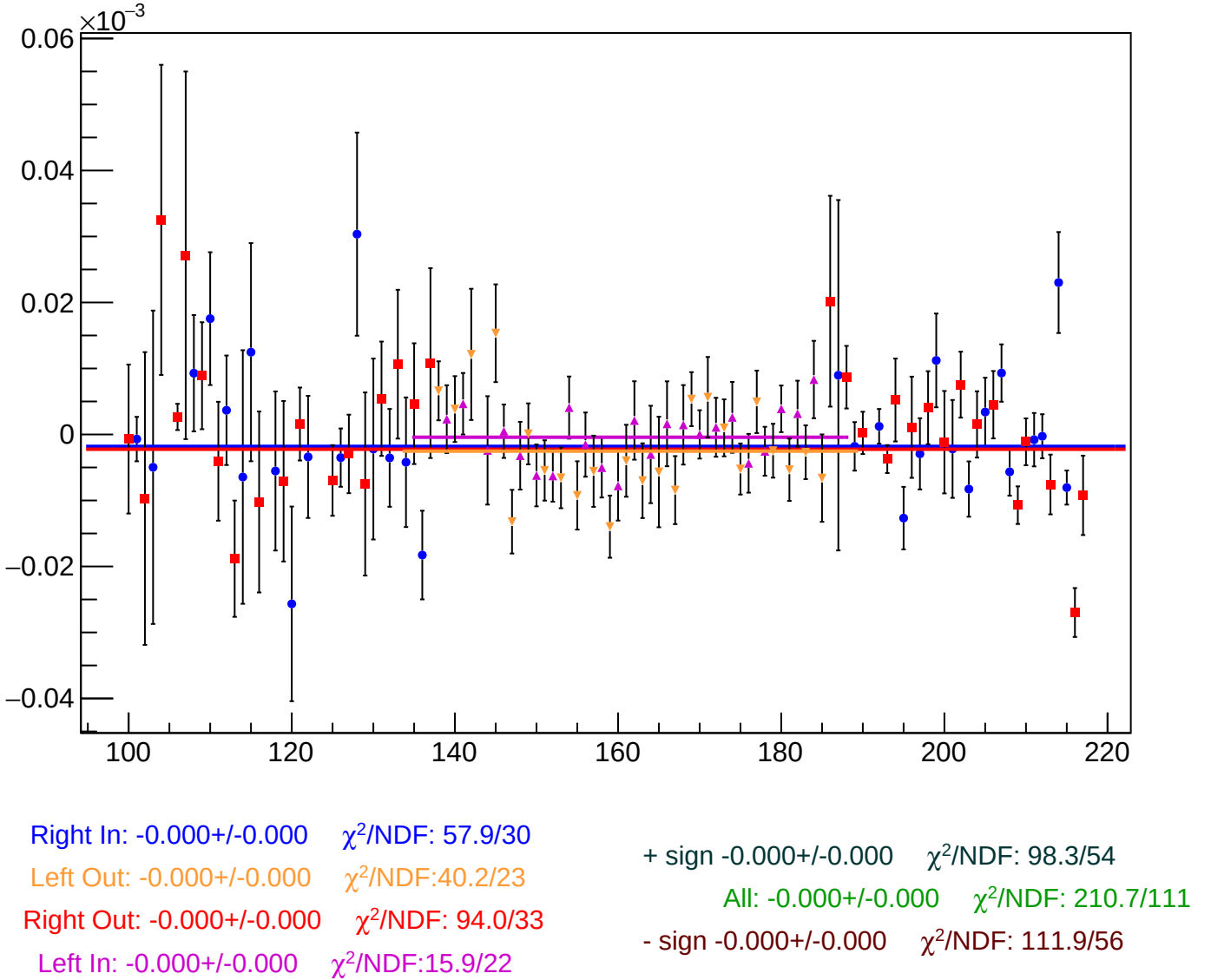
Right Out: 107.550+/-0.020 χ^2/NDF: 5089565.0/33

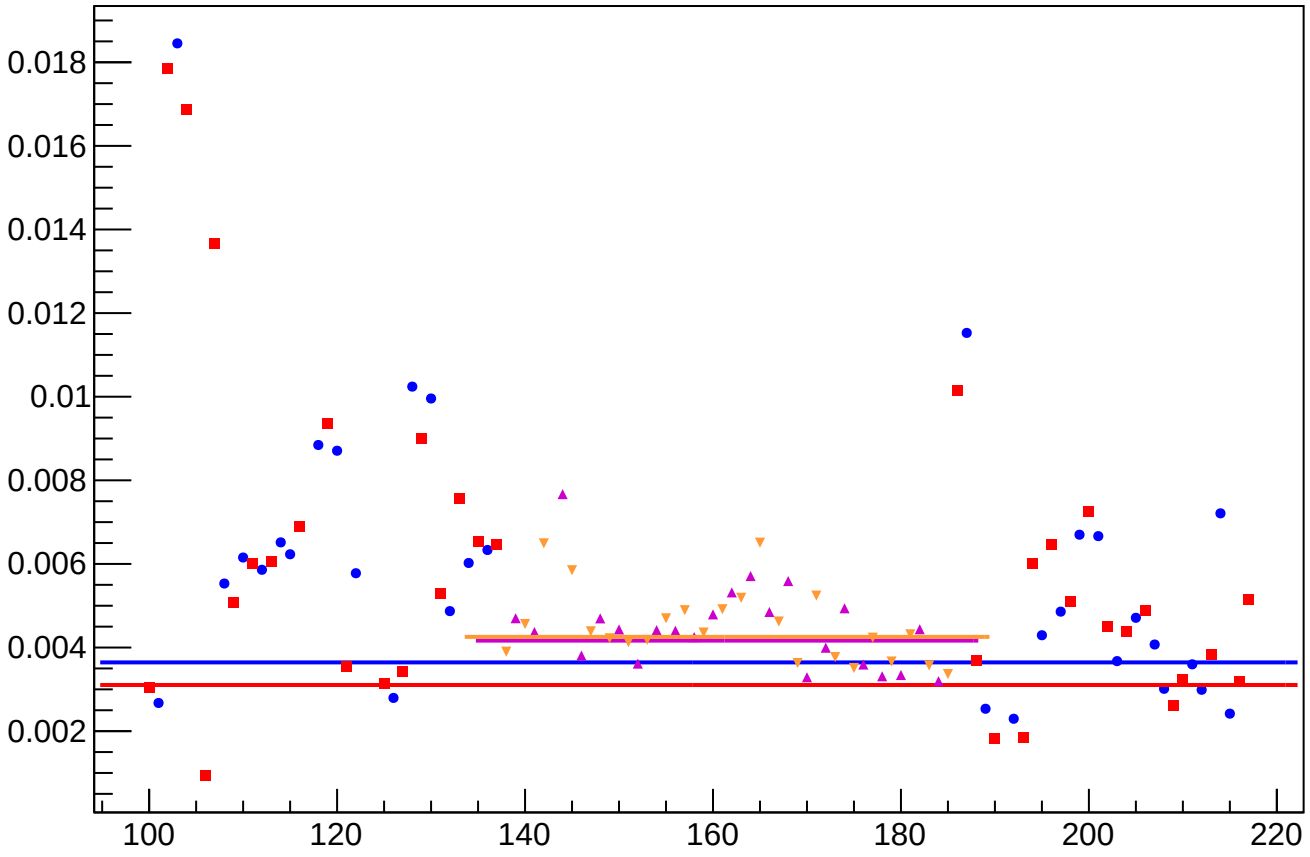
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 103.848+/-0.013 χ^2/NDF: 5564539.3/54

All: 103.188+/-0.009 χ^2/NDF: 12771782.9/1

- sign 102.543+/-0.013 χ^2/NDF: 7202489.3/56


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
220
Right In: -0.000+/-0.000 χ²/NDF: 57.9/30
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 94.0/33
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
+ sign -0.000+/-0.000 χ²/NDF: 98.3/54
All: -0.000+/-0.000 χ²/NDF: 210.7/111
- sign -0.000+/-0.000 χ²/NDF: 111.9/56



Right In: 0.004+/-0.000 χ^2/NDF: 6317632.1/30

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10640056.9/33

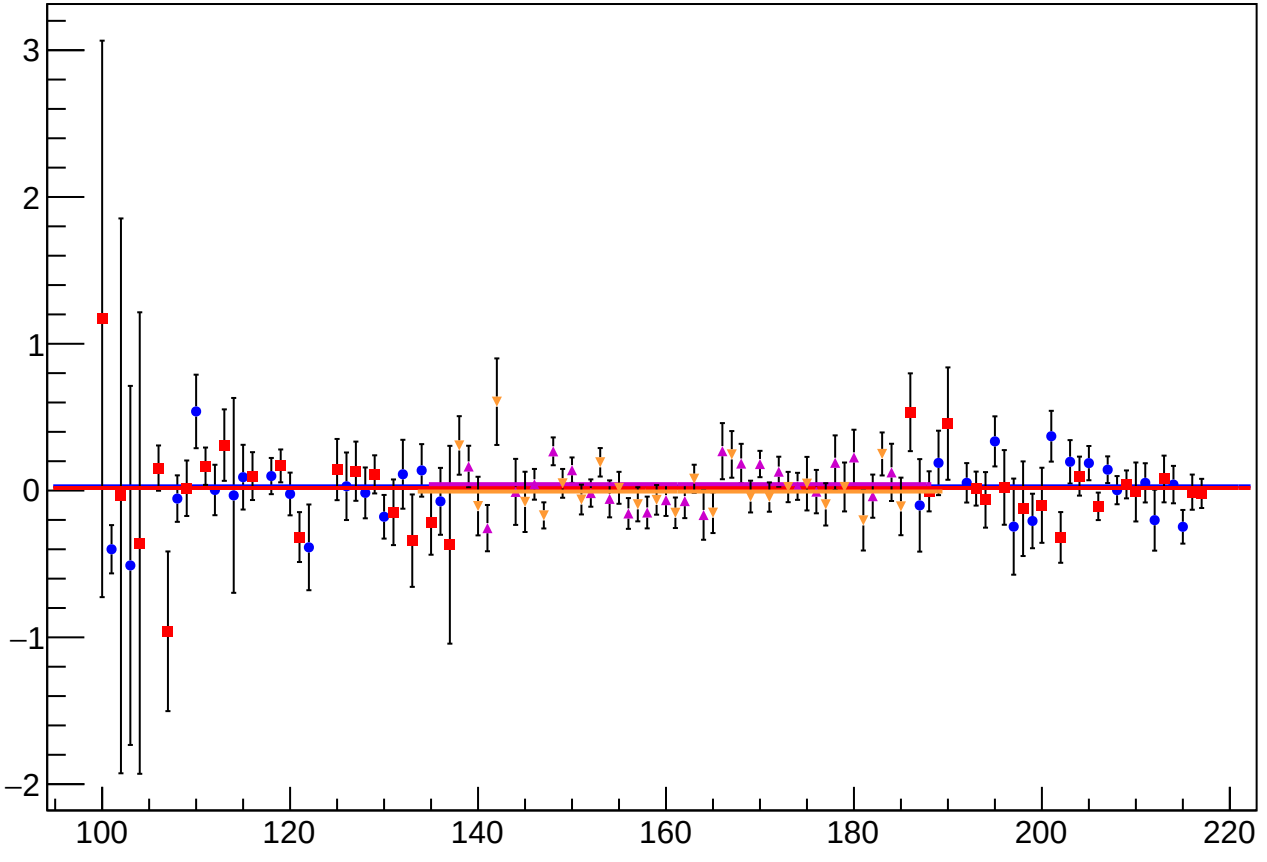
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 7543955.0/54

All: 0.004+/-0.000 χ^2/NDF: 21094757.2/111

- sign 0.004+/-0.000 χ^2/NDF: 13236072.3/56

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

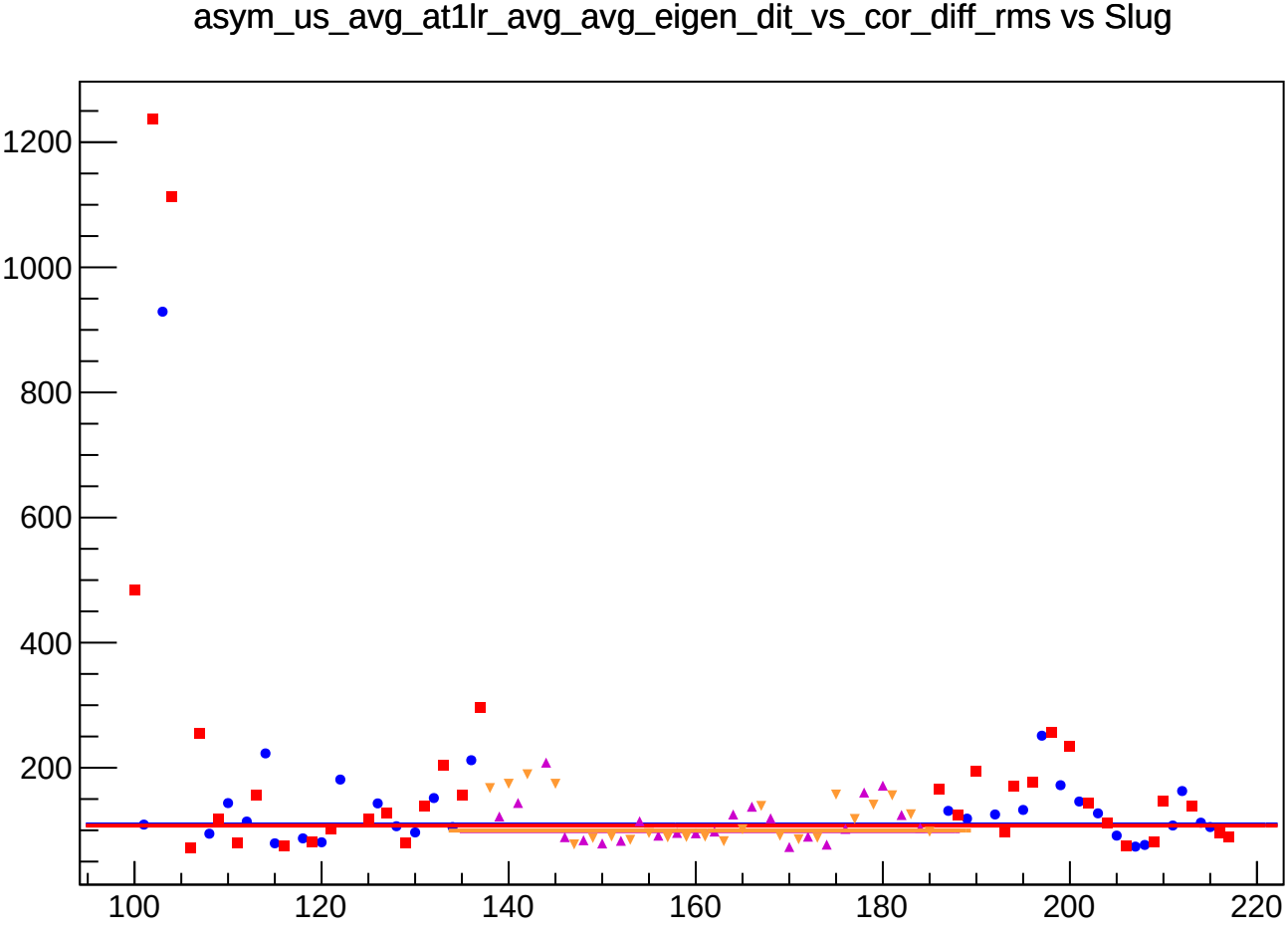
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.009+/-0.019 χ^2/NDF: 67.2/54

All: 0.021+/-0.013 χ^2/NDF: 128.4/111

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56



Right In: 109.390+/-0.020 χ^2/NDF: 3363284.1/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

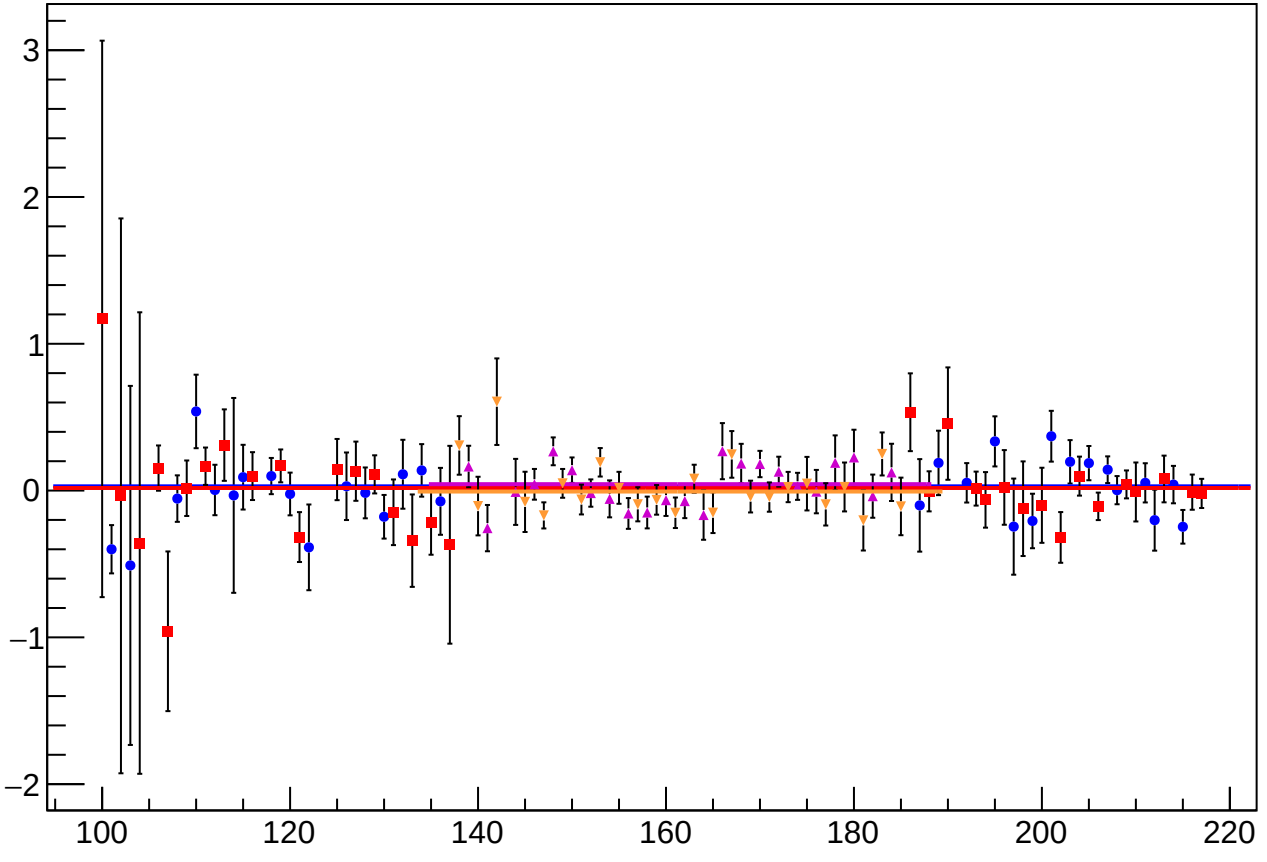
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.849+/-0.013 χ^2/NDF: 5564410.4/54

All: 103.188+/-0.009 χ^2/NDF: 12771585.2/11

- sign 102.543+/-0.013 χ^2/NDF: 7202418.4/56

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.029 χ^2/NDF: 38.6/30

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

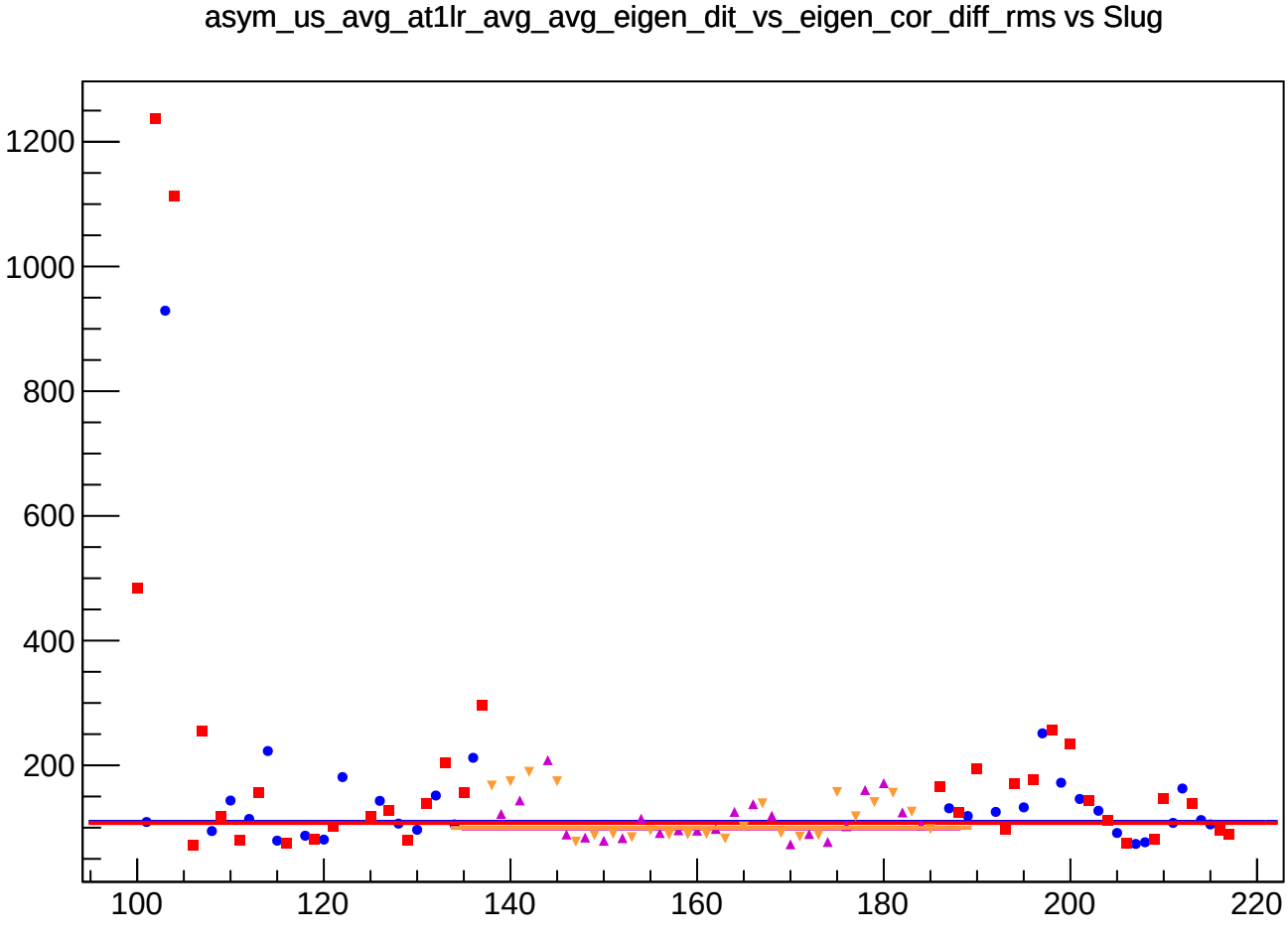
Right Out: 0.018+/-0.028 χ^2/NDF: 29.7/33

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.009+/-0.019 χ^2/NDF: 67.2/54

All: 0.021+/-0.013 χ^2/NDF: 128.4/111

- sign 0.032+/-0.019 χ^2/NDF: 60.4/56



Right In: 109.390+/-0.020 χ^2/NDF: 3363284.1/30

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

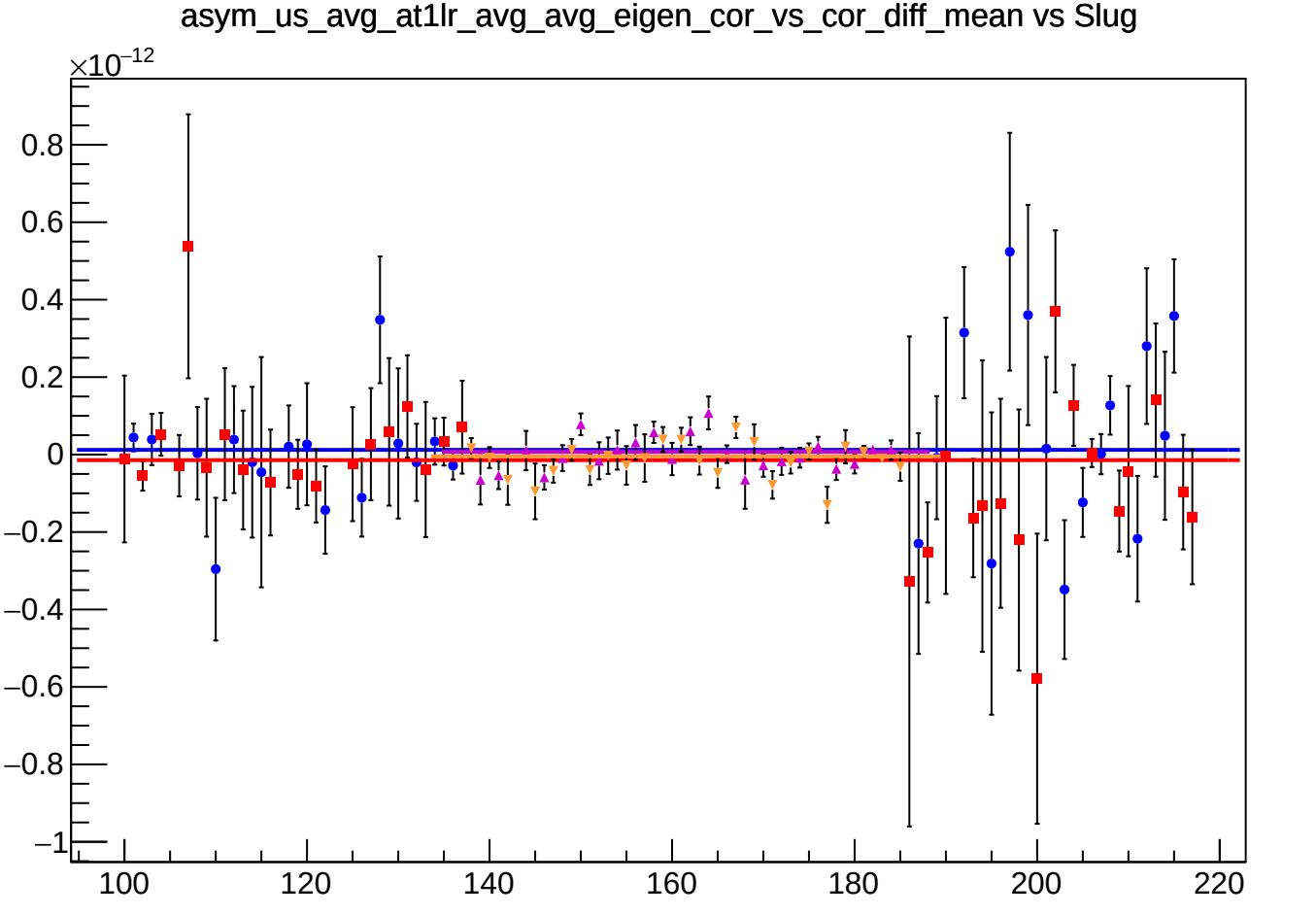
Right Out: 107.550+/-0.020 χ^2/NDF: 5089543.4/33

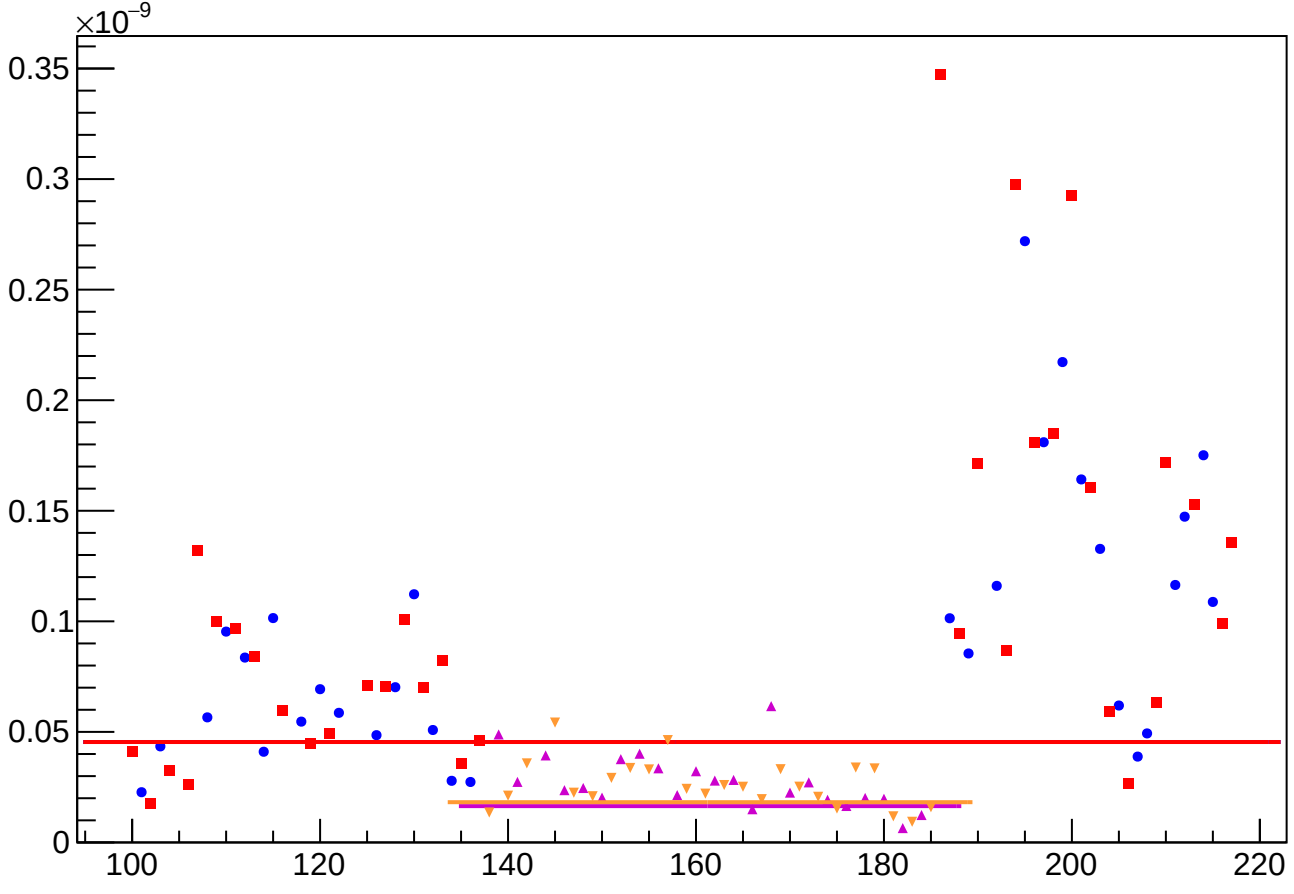
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.849+/-0.013 χ^2/NDF: 5564410.4/54

All: 103.188+/-0.009 χ^2/NDF: 12771585.2/11

- sign 102.543+/-0.013 χ^2/NDF: 7202418.4/56


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
220
Right In: 0.000+/-0.000 χ²/NDF: 39.9/30
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.0/33
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 73.7/54
All: 0.000+/-0.000 χ²/NDF: 136.4/111
- sign 0.000+/-0.000 χ²/NDF: 61.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 7667289.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9452341.8/33

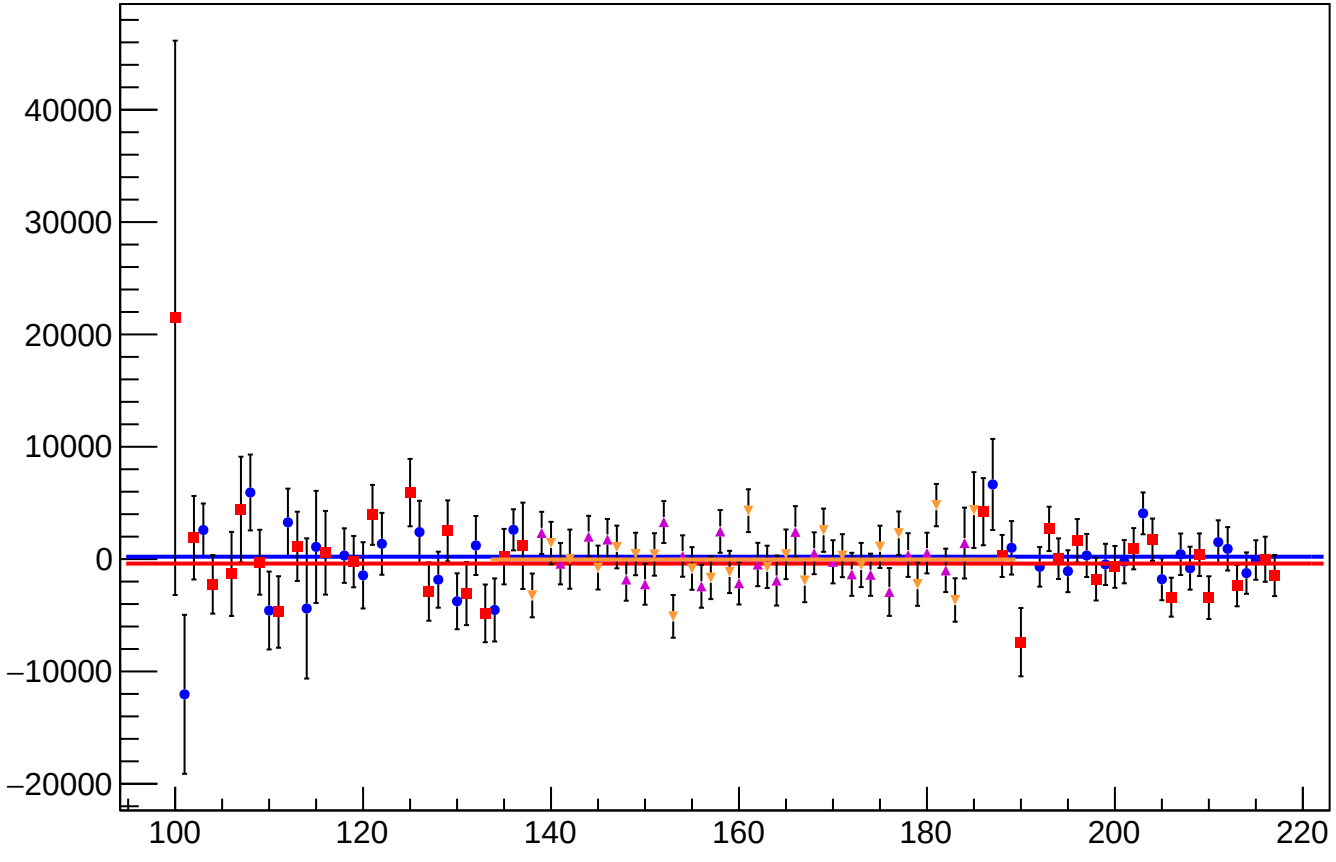
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16837267.5/54

All: 0.000+/-0.000 χ^2/NDF: 38627046.1/111

- sign 0.000+/-0.000 χ^2/NDF: 21625470.6/56

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 213.319+/-409.525 χ^2/NDF: 30.0/30

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -397.130+/-402.139 χ^2/NDF: 39.2/33

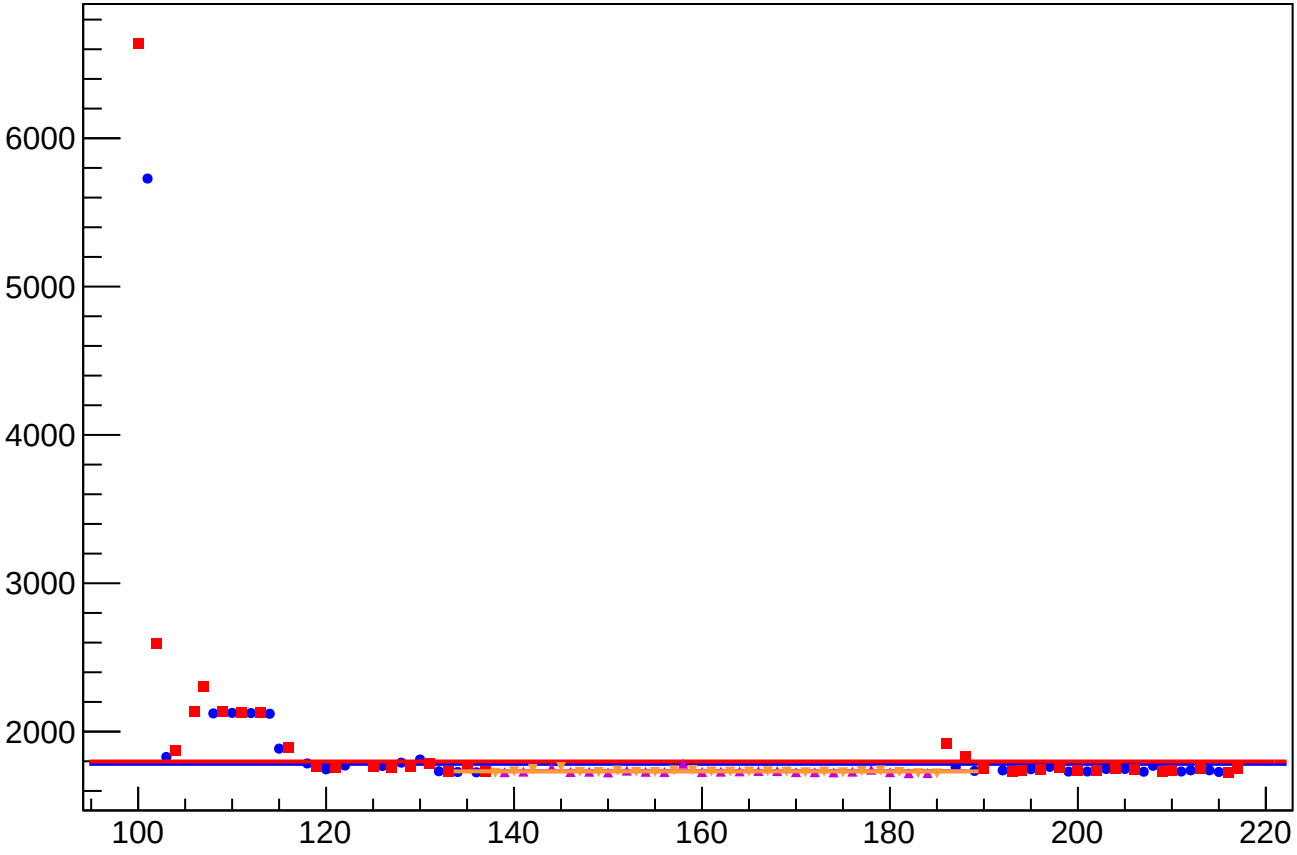
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 86.950+/-286.870 χ^2/NDF: 65.5/54

All: -70.436+/-202.275 χ^2/NDF: 125.1/111

\- sign -226.057+/-285.257 χ^2/NDF: 58.9/56

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.8/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

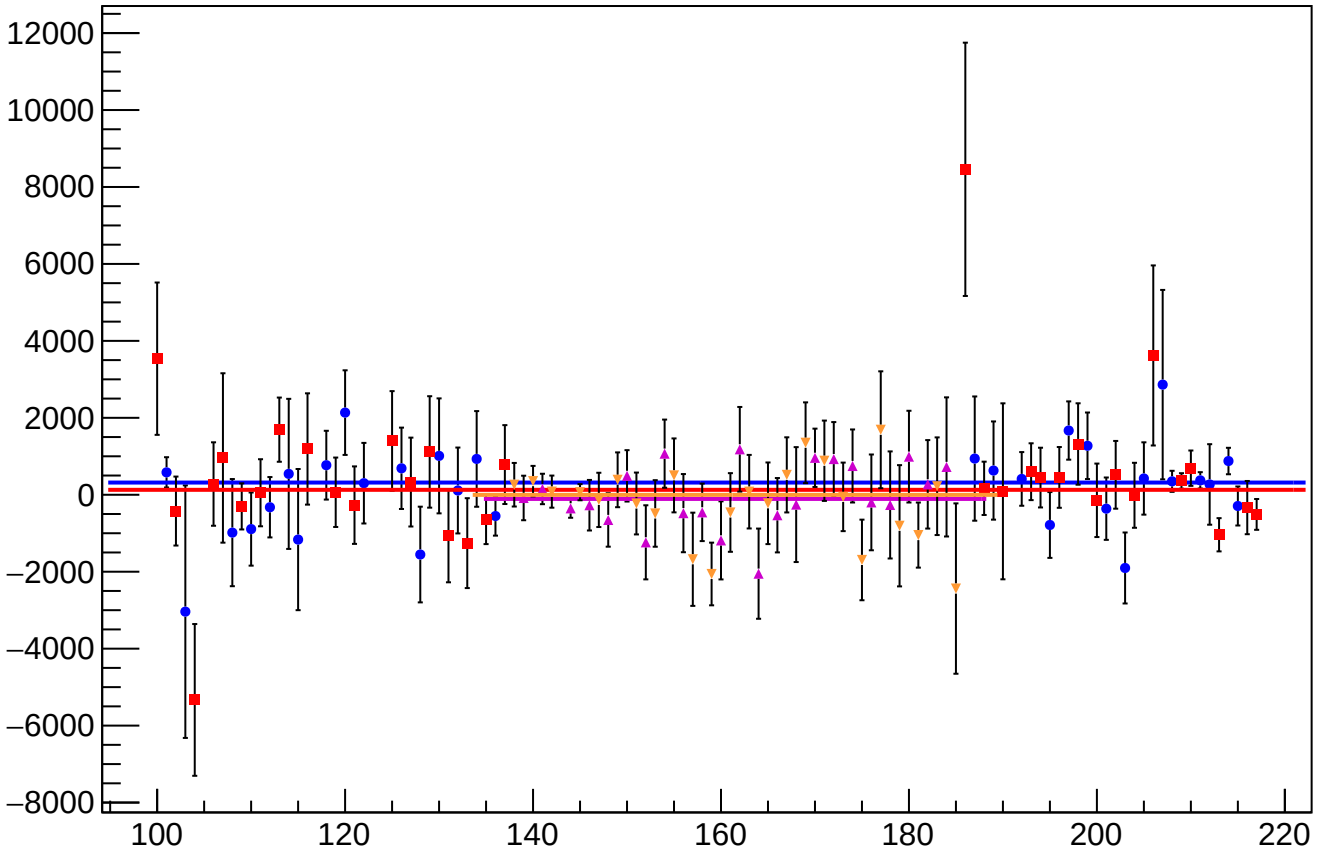
Right Out: 1798.366+/-0.284 χ^2/NDF: 316992.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.832+/-0.203 χ^2/NDF: 730983.9/54

All: 1761.466+/-0.143 χ^2/NDF: 1077245.2/11

- sign 1766.048+/-0.202 χ^2/NDF: 345223.5/56



Right In: 317.551+/-111.135 χ^2/NDF: 32.2/30

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

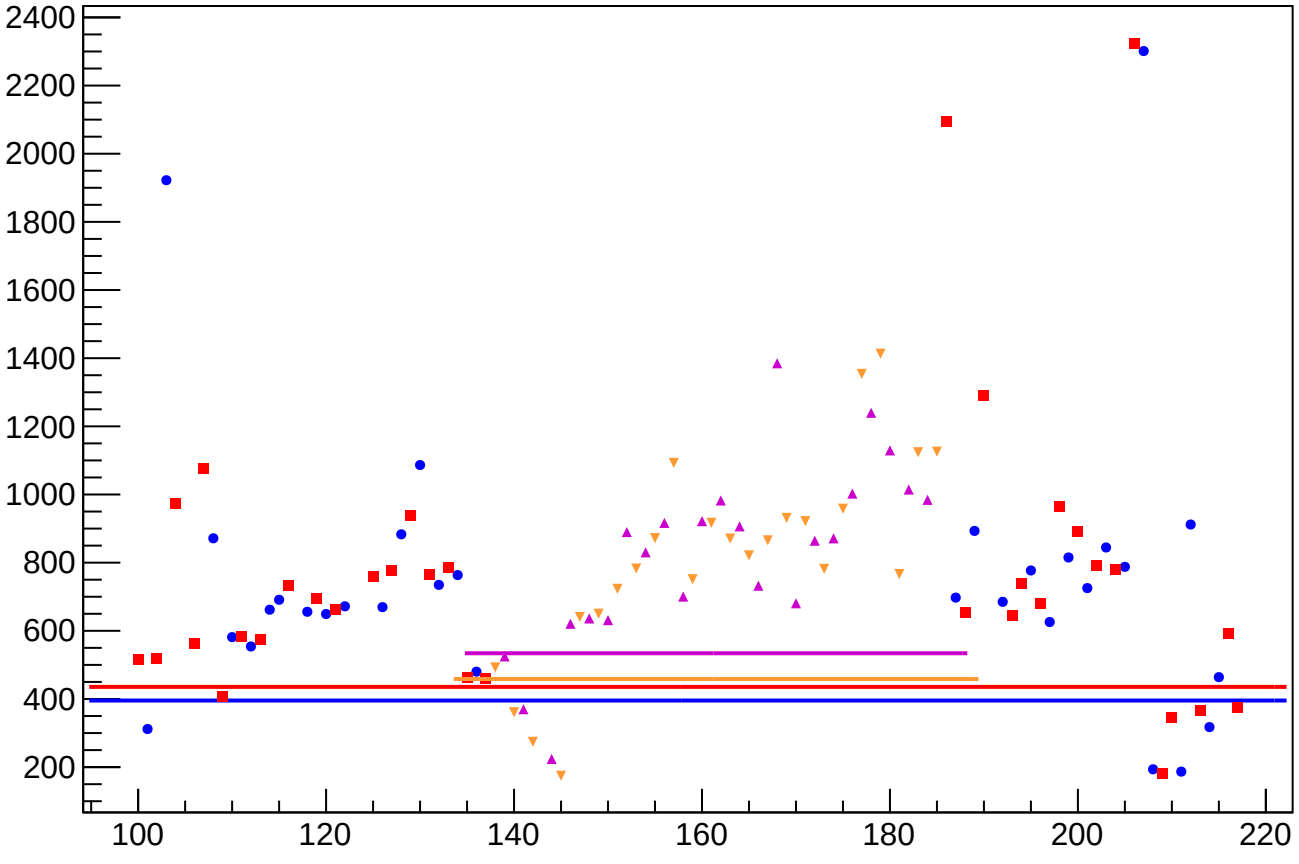
Right Out: 128.371+/-117.048 χ^2/NDF: 45.6/33

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 182.514+/-84.488 χ^2/NDF: 55.9/54

All: 113.311+/-61.807 χ^2/NDF: 121.6/111

- sign 33.637+/-90.655 χ^2/NDF: 64.2/56



Right In: 395.501+/-0.079 χ^2/NDF: 10478667.6/30

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 435.470+/-0.083 χ^2/NDF: 9696730.1/33

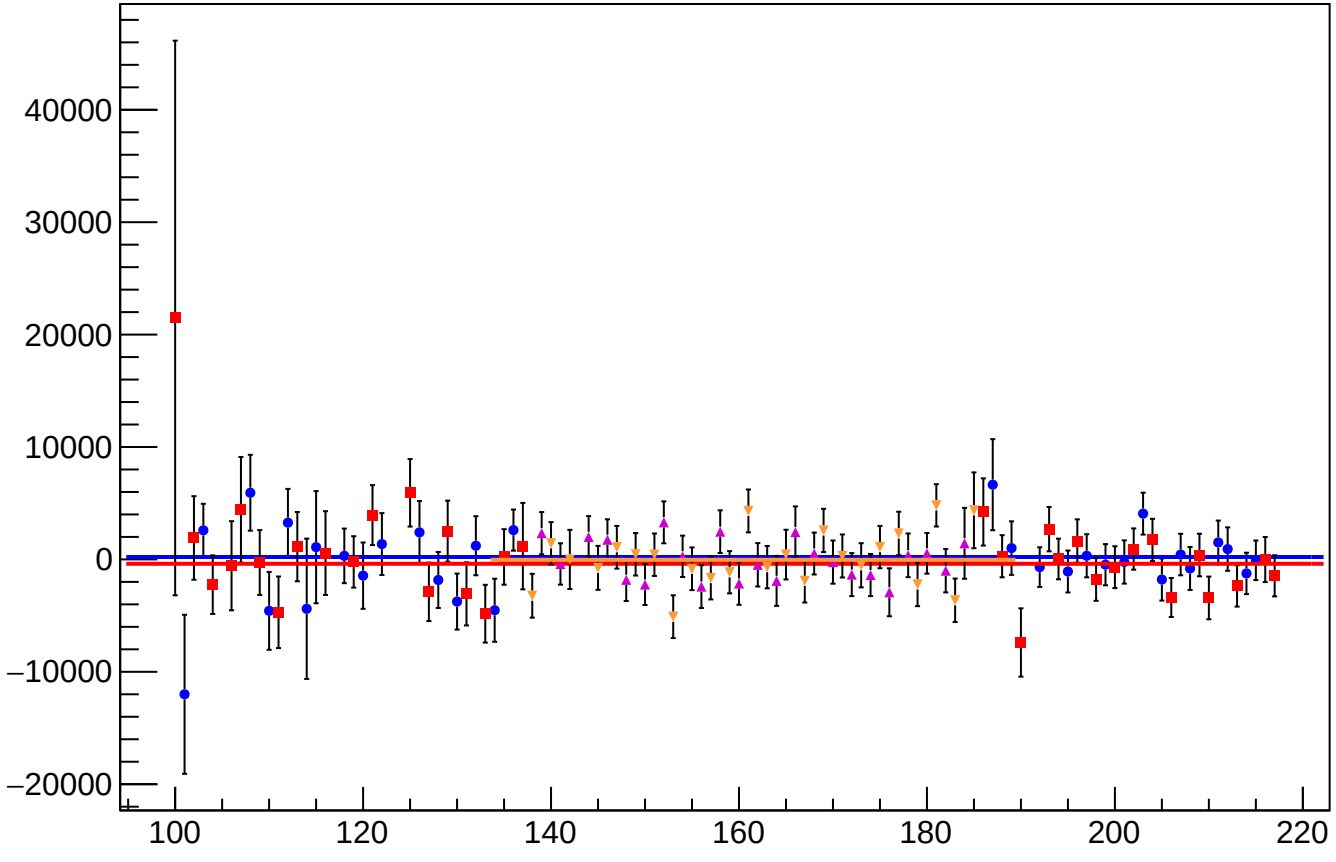
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 422.123+/-0.060 χ^2/NDF: 22177324.0/54

All: 446.683+/-0.044 χ^2/NDF: 41249851.9/11

- sign 474.959+/-0.064 χ^2/NDF: 18708947.2/56

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 213.326+/-409.525 χ^2/NDF: 29.9/30

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -388.115+/-402.392 χ^2/NDF: 39.1/33

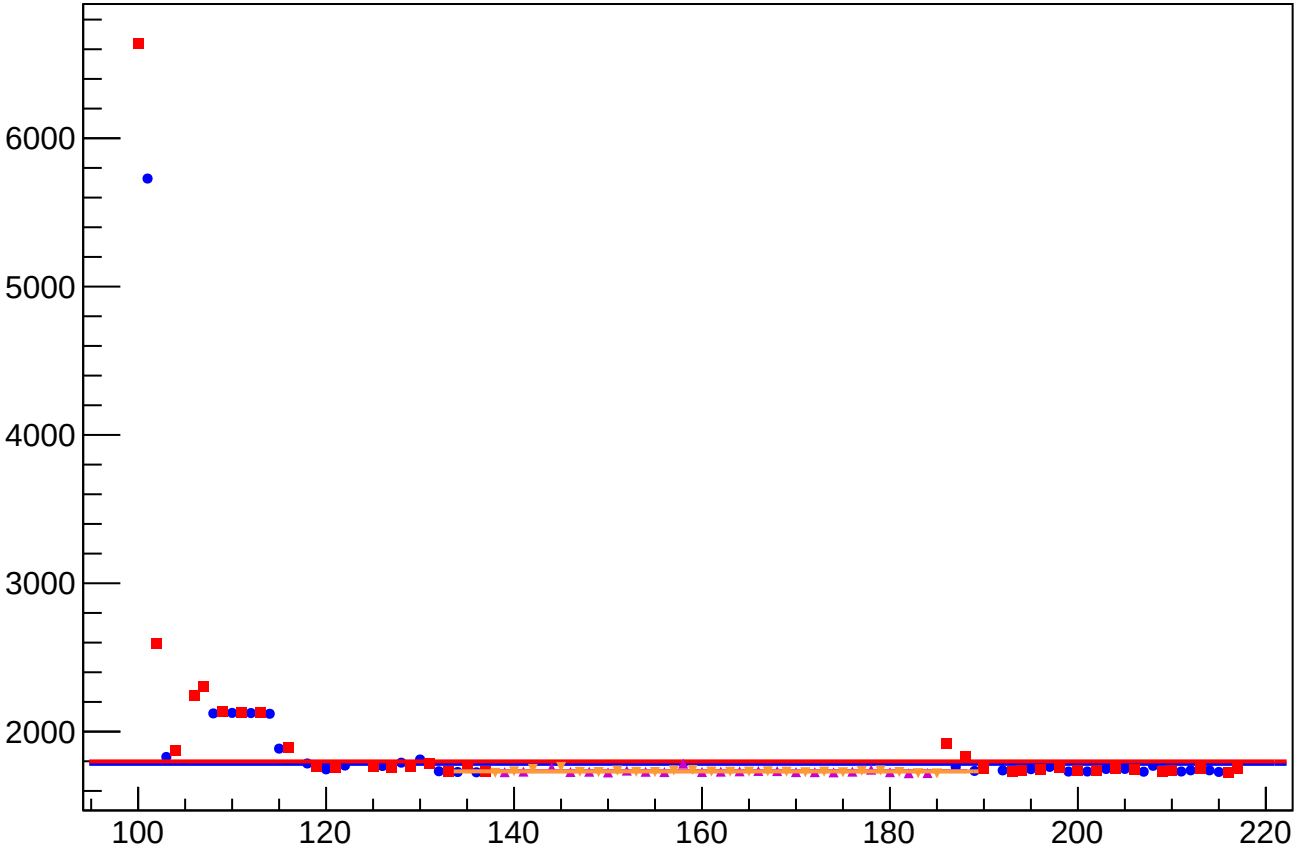
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 86.983+/-286.870 χ^2/NDF: 65.5/54

All: -68.016+/-202.307 χ^2/NDF: 124.9/111

- sign -221.374+/-285.348 χ^2/NDF: 58.9/56

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.6/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

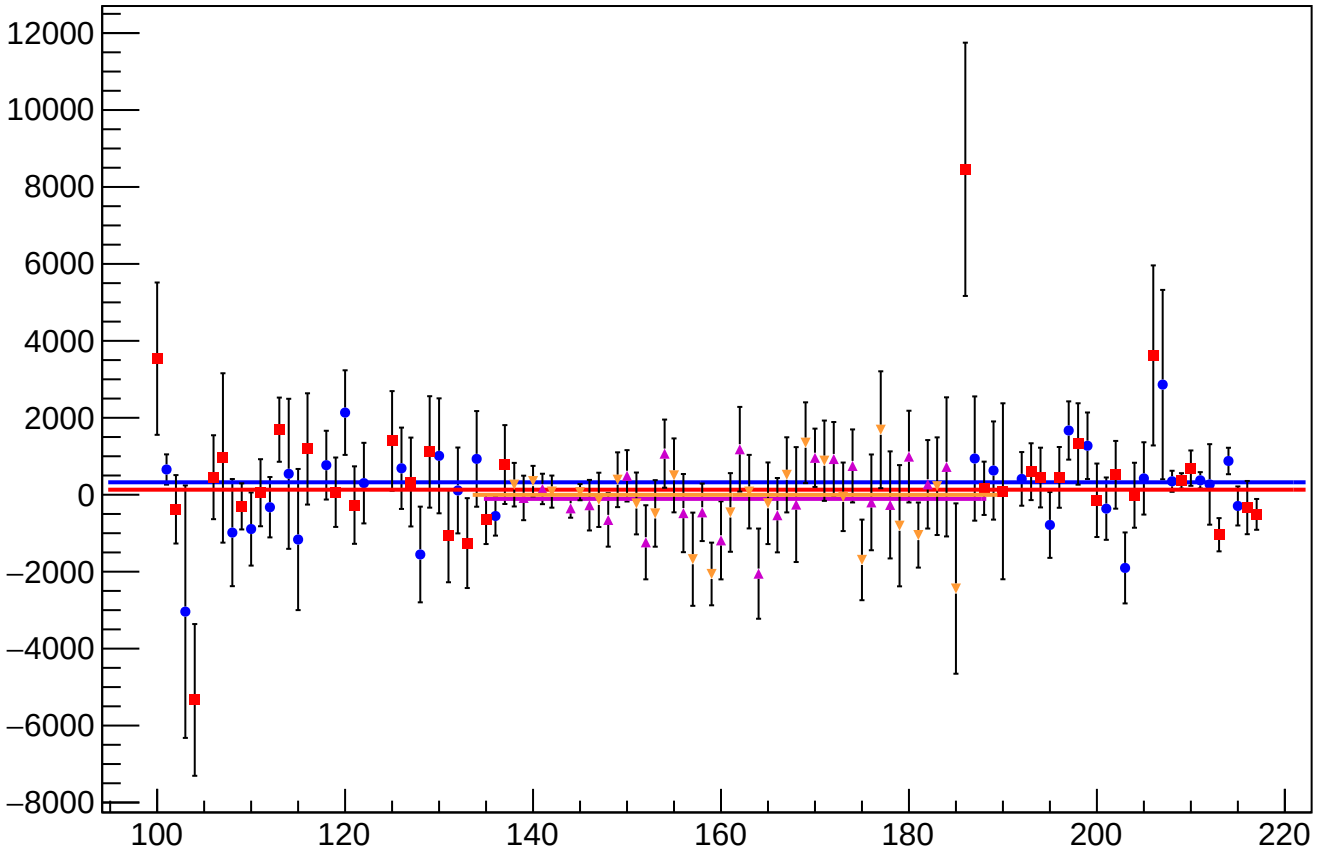
Right Out: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.832+/-0.203 χ^2/NDF: 730983.7/54

All: 1761.620+/-0.143 χ^2/NDF: 1086491.9/11

- sign 1766.357+/-0.202 χ^2/NDF: 354399.7/56



Right In: 323.515+/-111.121 χ^2/NDF: 32.5/30

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

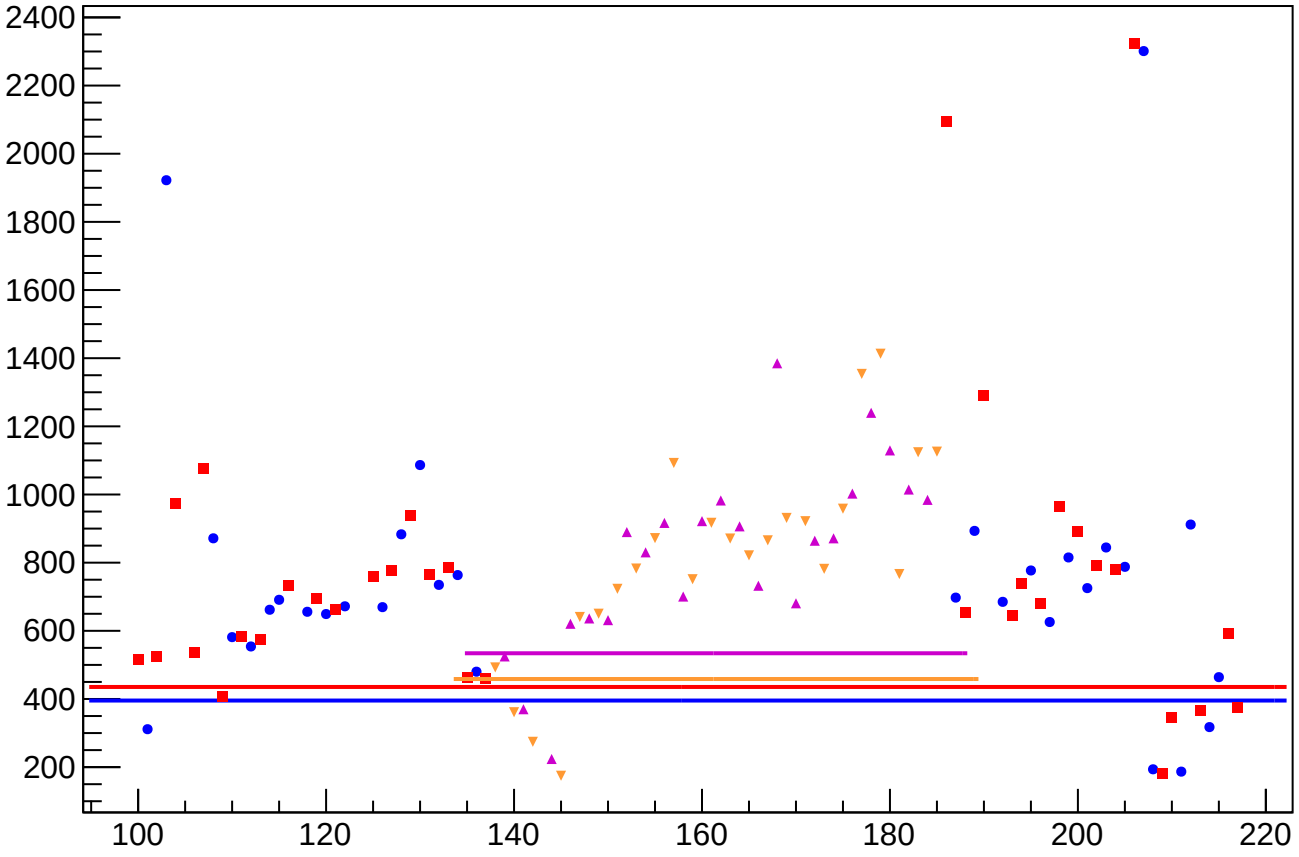
Right Out: 131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 185.931+/-84.483 χ^2/NDF: 56.4/54

All: 115.908+/-61.804 χ^2/NDF: 122.1/111

- sign 35.286+/-90.651 χ^2/NDF: 64.3/56



Right In: 395.424+/-0.079 χ^2/NDF: 10480969.1/30

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

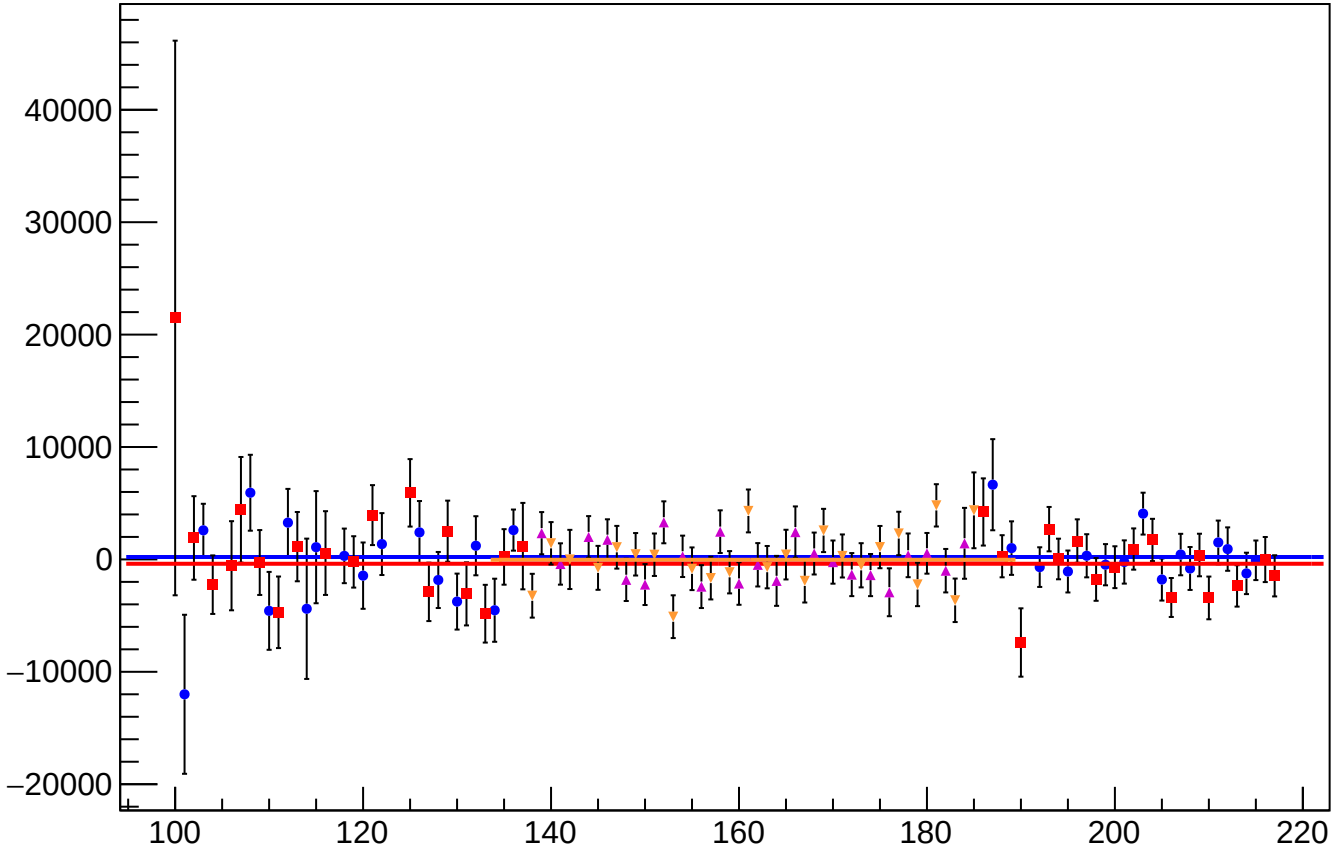
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 422.078+/-0.060 χ^2/NDF: 22179990.7/54

All: 446.601+/-0.044 χ^2/NDF: 41246785.9/11

- sign 474.836+/-0.064 χ^2/NDF: 18704260.4/56

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 213.326+/-409.525 χ^2/NDF: 29.9/30

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -388.115+/-402.392 χ^2/NDF: 39.1/33

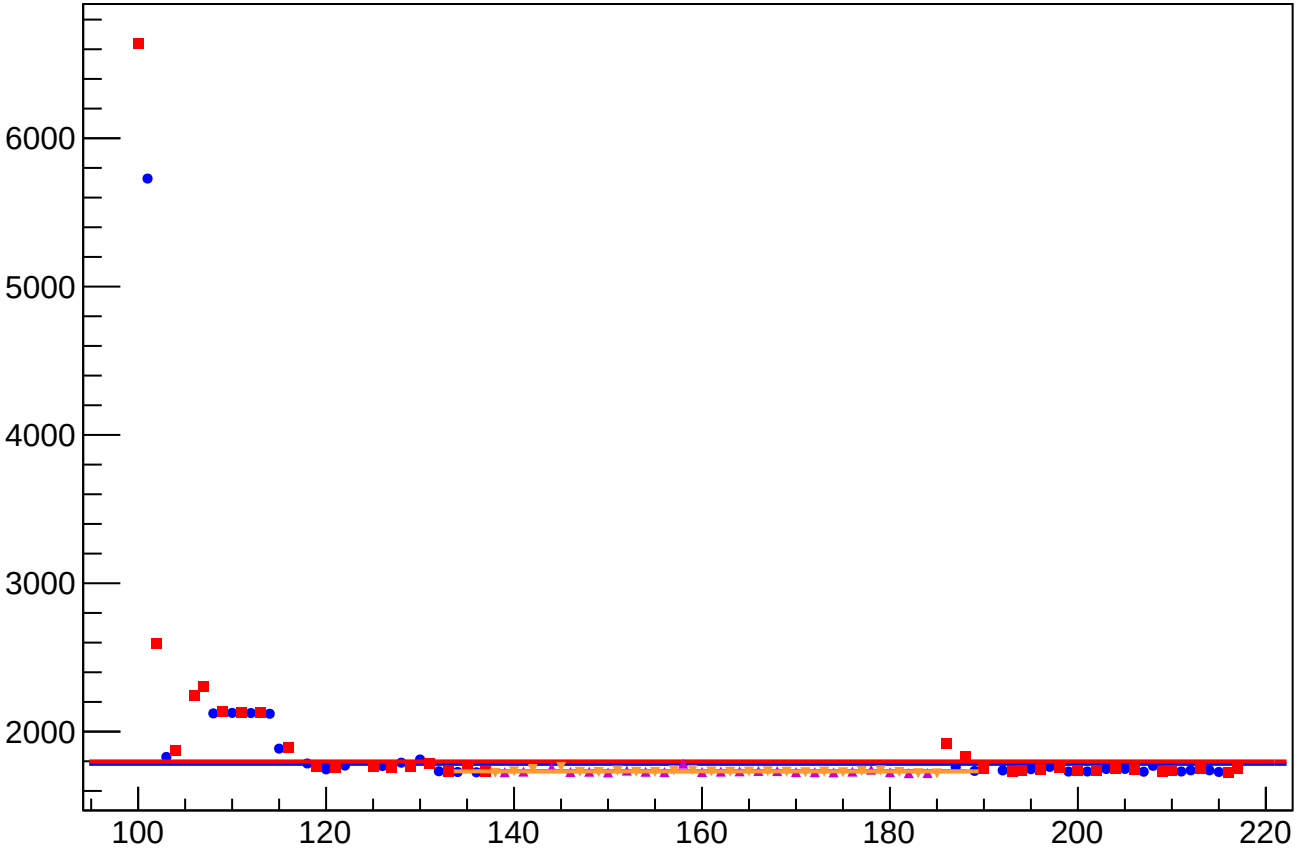
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 86.983+/-286.870 χ^2/NDF: 65.5/54

All: -68.016+/-202.307 χ^2/NDF: 124.9/111

- sign -221.374+/-285.348 χ^2/NDF: 58.9/56

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1782.621+/-0.290 χ^2/NDF: 714473.6/30

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

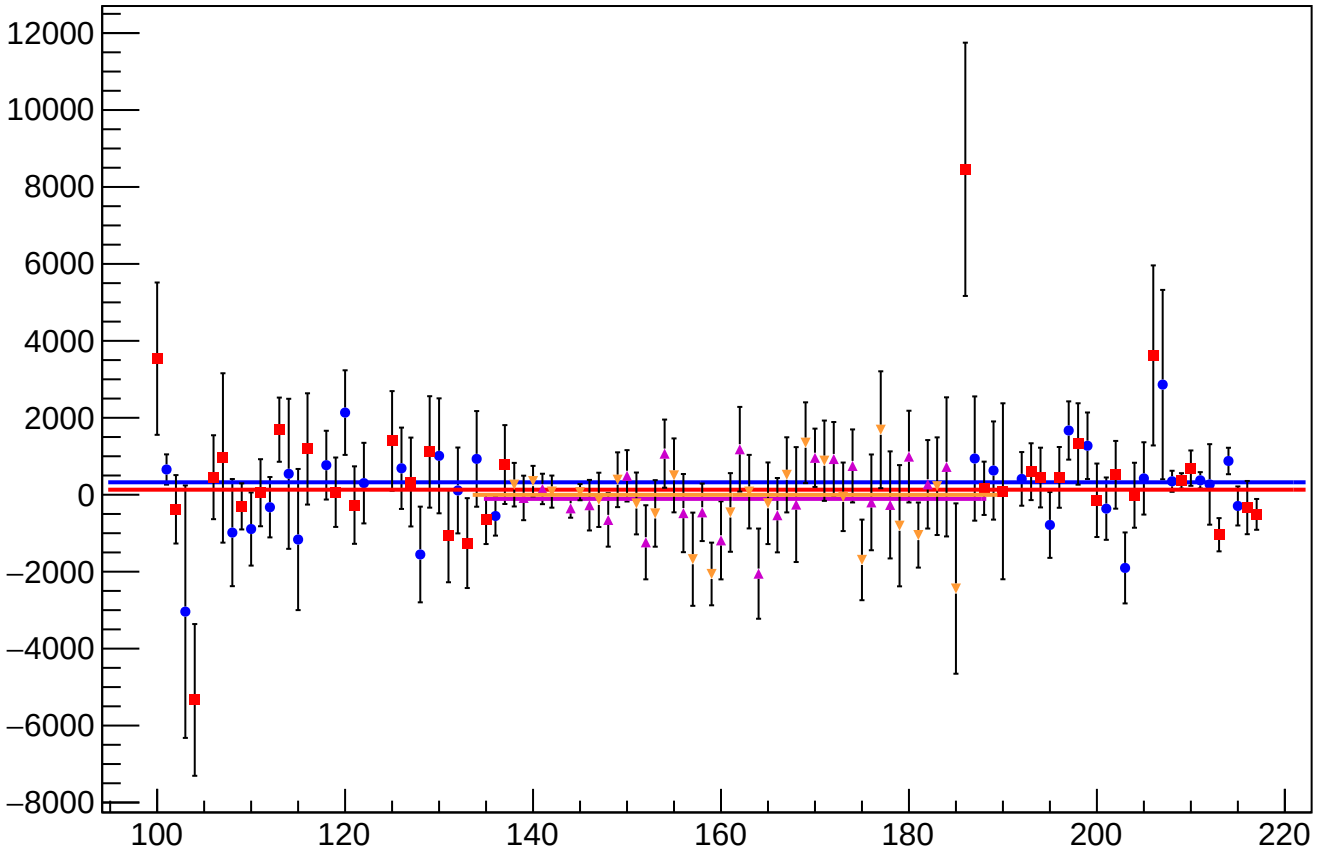
Right Out: 1799.023+/-0.285 χ^2/NDF: 325657.1/33

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1756.832+/-0.203 χ^2/NDF: 730983.7/54

All: 1761.620+/-0.143 χ^2/NDF: 1086491.9/11

- sign 1766.357+/-0.202 χ^2/NDF: 354399.7/56



Right In: 323.515+/-111.121 χ^2/NDF: 32.5/30

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

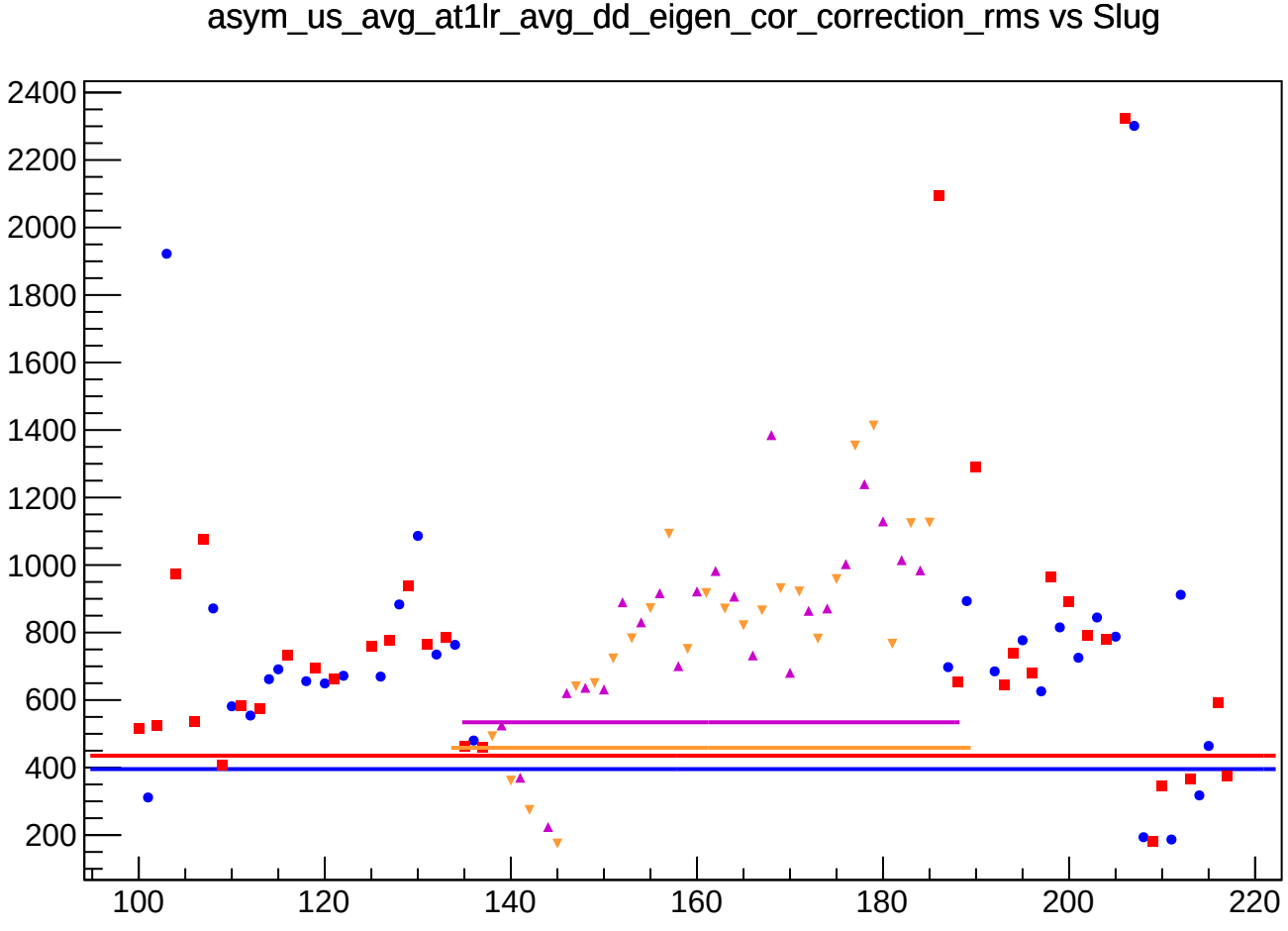
Right Out: 131.086+/-117.039 χ^2/NDF: 45.6/33

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 185.931+/-84.483 χ^2/NDF: 56.4/54

All: 115.908+/-61.804 χ^2/NDF: 122.1/111

- sign 35.286+/-90.651 χ^2/NDF: 64.3/56



Right In: 395.424+/-0.079 χ^2/NDF: 10480969.1/30

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 435.265+/-0.083 χ^2/NDF: 9690034.1/33

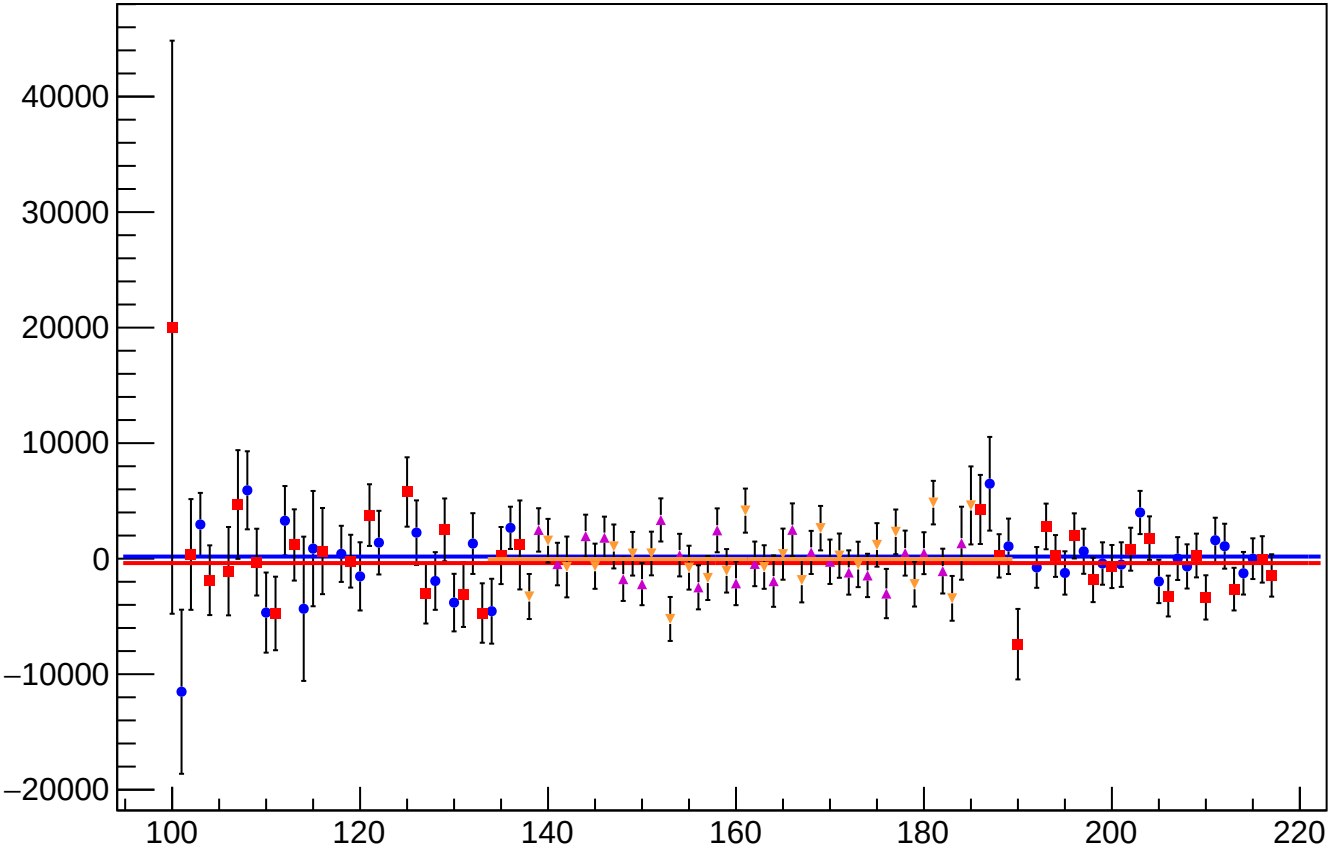
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 422.078+/-0.060 χ^2/NDF: 22179990.7/54

All: 446.601+/-0.044 χ^2/NDF: 41246785.9/11

- sign 474.836+/-0.064 χ^2/NDF: 18704260.4/56

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 181.401+/-412.335 χ^2/NDF: 30.2/30

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -381.638+/-406.035 χ^2/NDF: 38.4/33

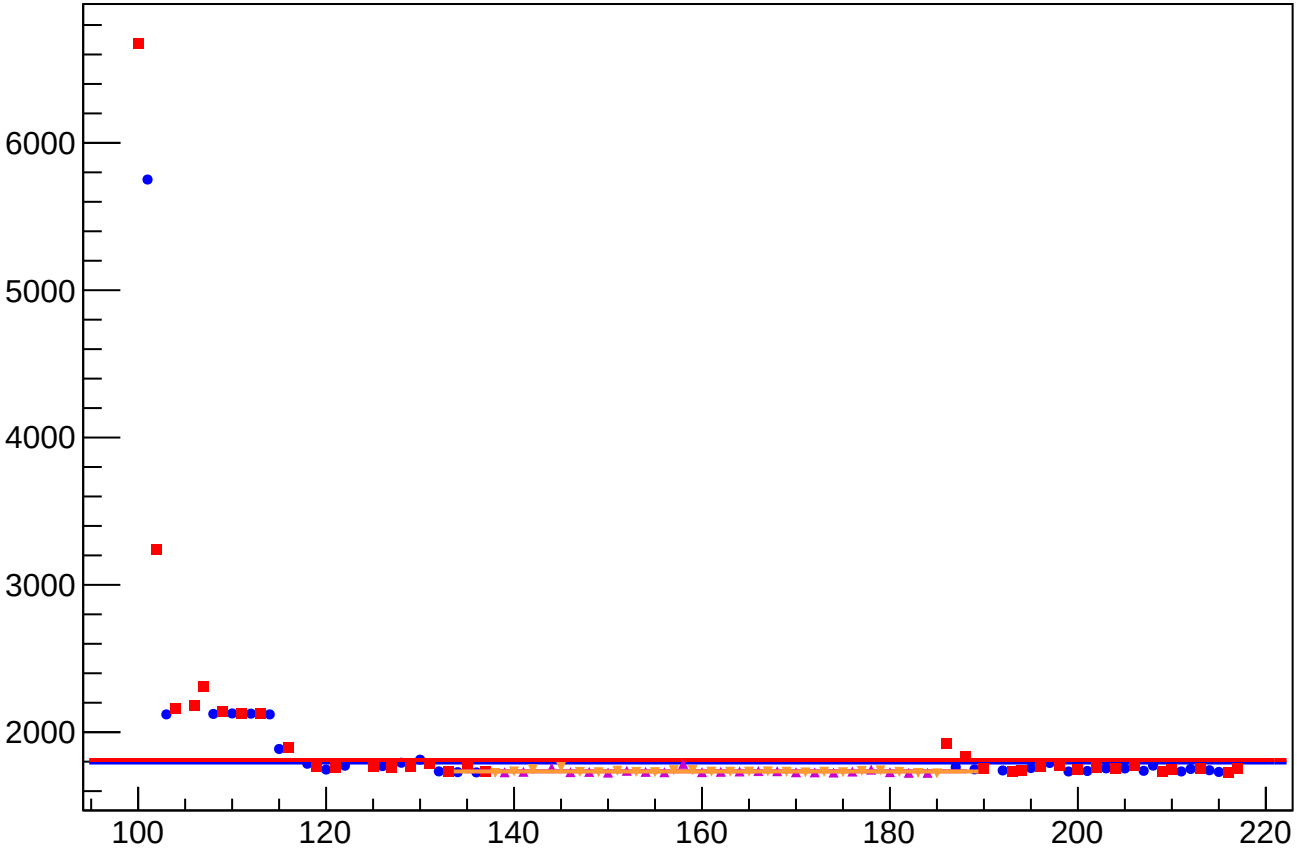
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 73.415+/-287.958 χ^2/NDF: 65.7/54

All: -69.706+/-203.193 χ^2/NDF: 124.8/111

- sign -211.640+/-286.762 χ^2/NDF: 58.6/56

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.160+/-0.292 χ^2/NDF: 741621.1/30

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

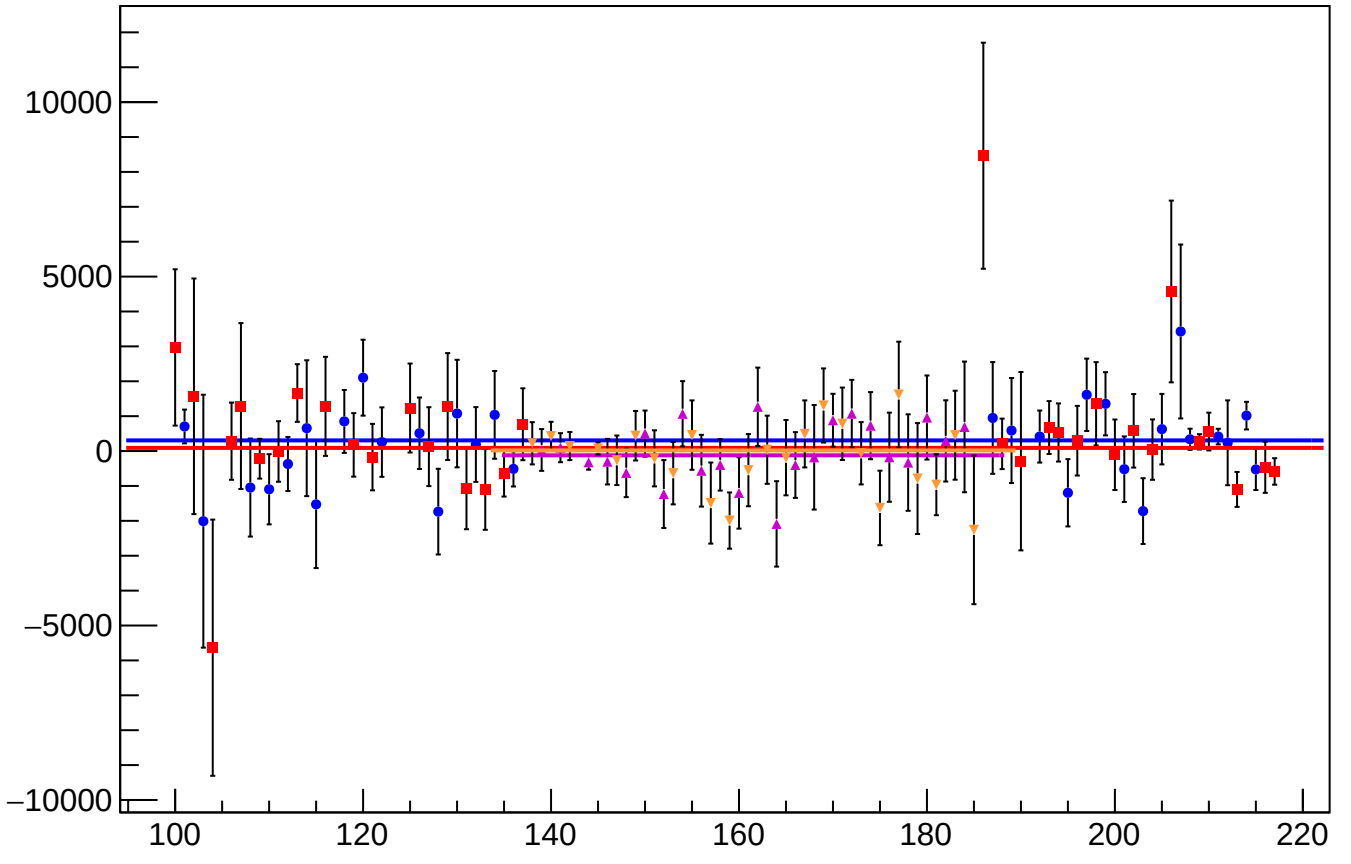
Right Out: 1811.301+/-0.287 χ^2/NDF: 428247.2/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1763.073+/-0.204 χ^2/NDF: 764712.4/54

All: 1768.038+/-0.144 χ^2/NDF: 1231894.9/11

- sign 1772.963+/-0.203 χ^2/NDF: 465998.1/56



Right In: 305.745+/-120.657 χ^2/NDF: 33.0/30

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

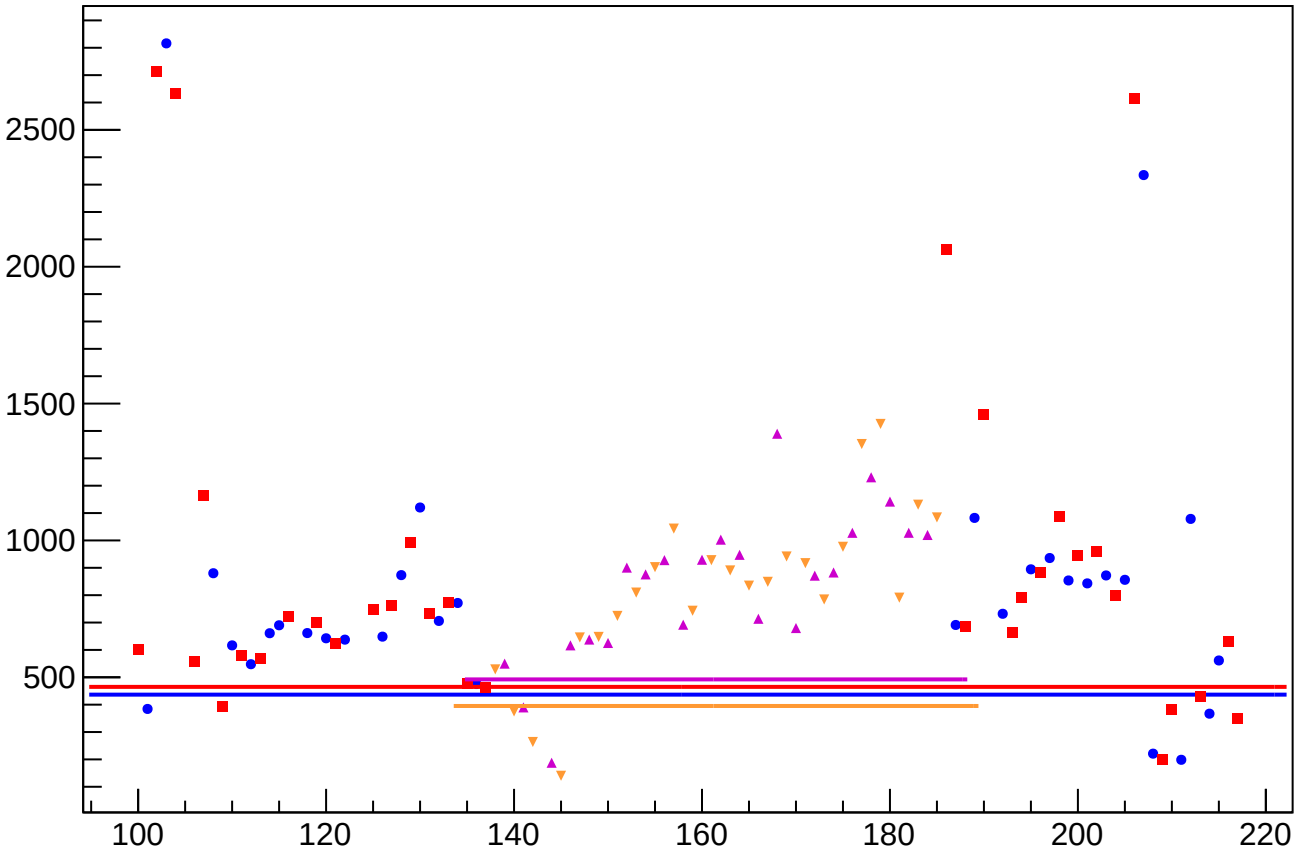
Right Out: 91.277+/-125.065 χ^2/NDF: 37.1/33

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 160.299+/-84.845 χ^2/NDF: 55.3/54

All: 84.501+/-62.499 χ^2/NDF: 111.9/111

- sign -5.419+/-92.412 χ^2/NDF: 54.9/56



Right In: 436.603+/-0.085 χ^2/NDF: 10909513.6/30

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 464.962+/-0.088 χ^2/NDF: 10978616.7/33

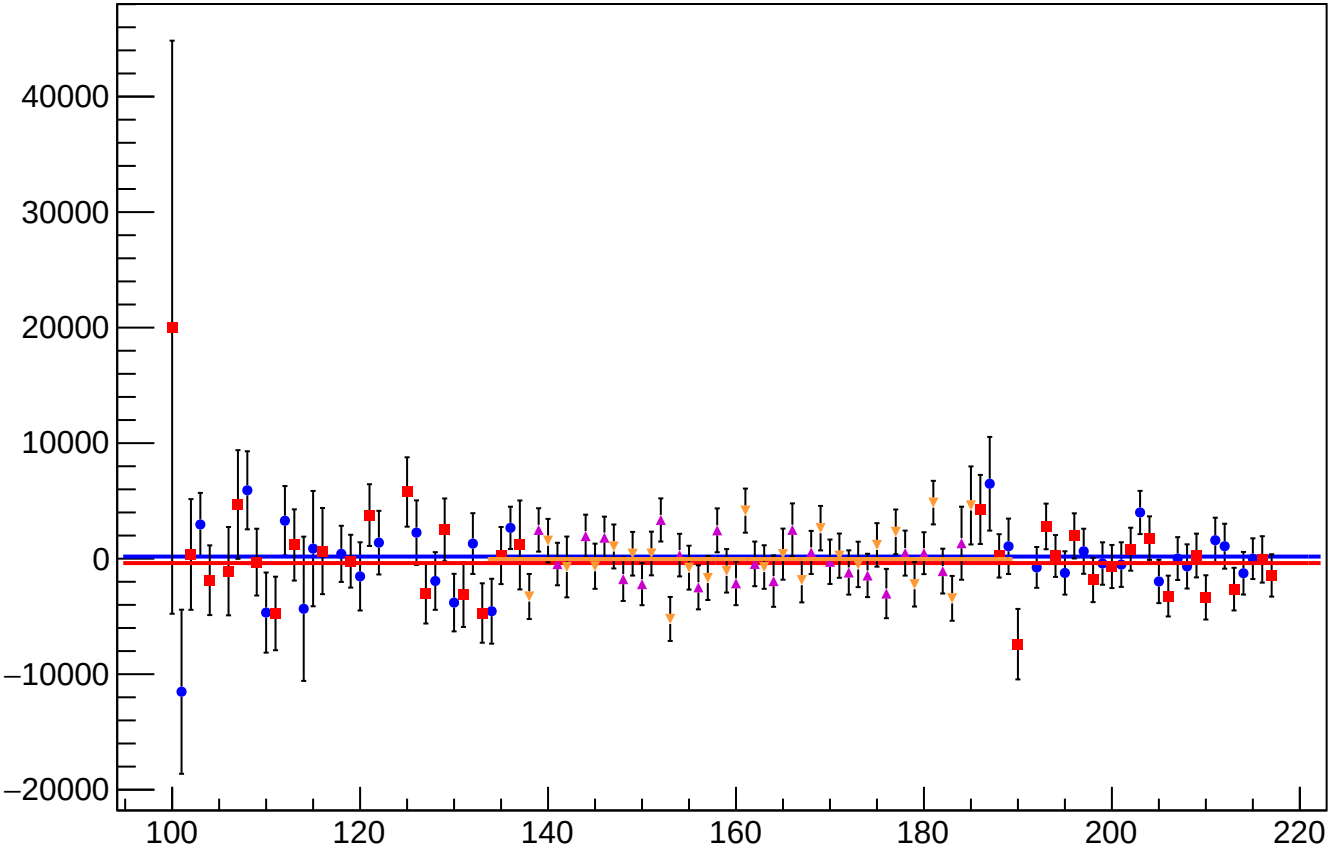
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 415.667+/-0.060 χ^2/NDF: 25363048.7/54

All: 443.890+/-0.044 χ^2/NDF: 47288358.4/11

- sign 477.371+/-0.065 χ^2/NDF: 21441484.9/56

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 181.403+/-412.335 χ^2/NDF: 30.2/30

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -381.640+/-406.036 χ^2/NDF: 38.4/33

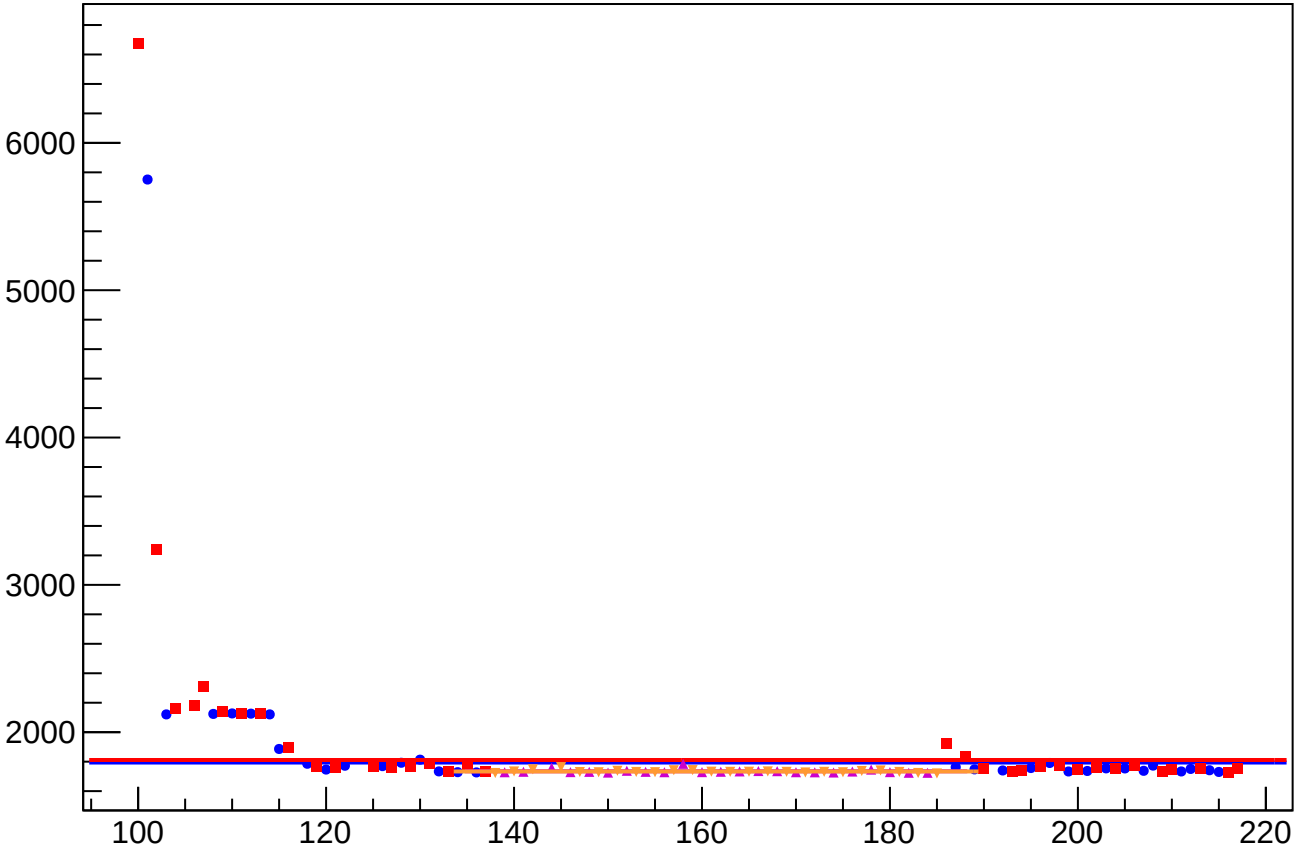
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 73.414+/-287.958 χ^2/NDF: 65.7/54

All: -69.706+/-203.193 χ^2/NDF: 124.8/111

- sign -211.641+/-286.762 χ^2/NDF: 58.6/56

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1794.160+/-0.292 χ^2/NDF: 741620.6/30

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

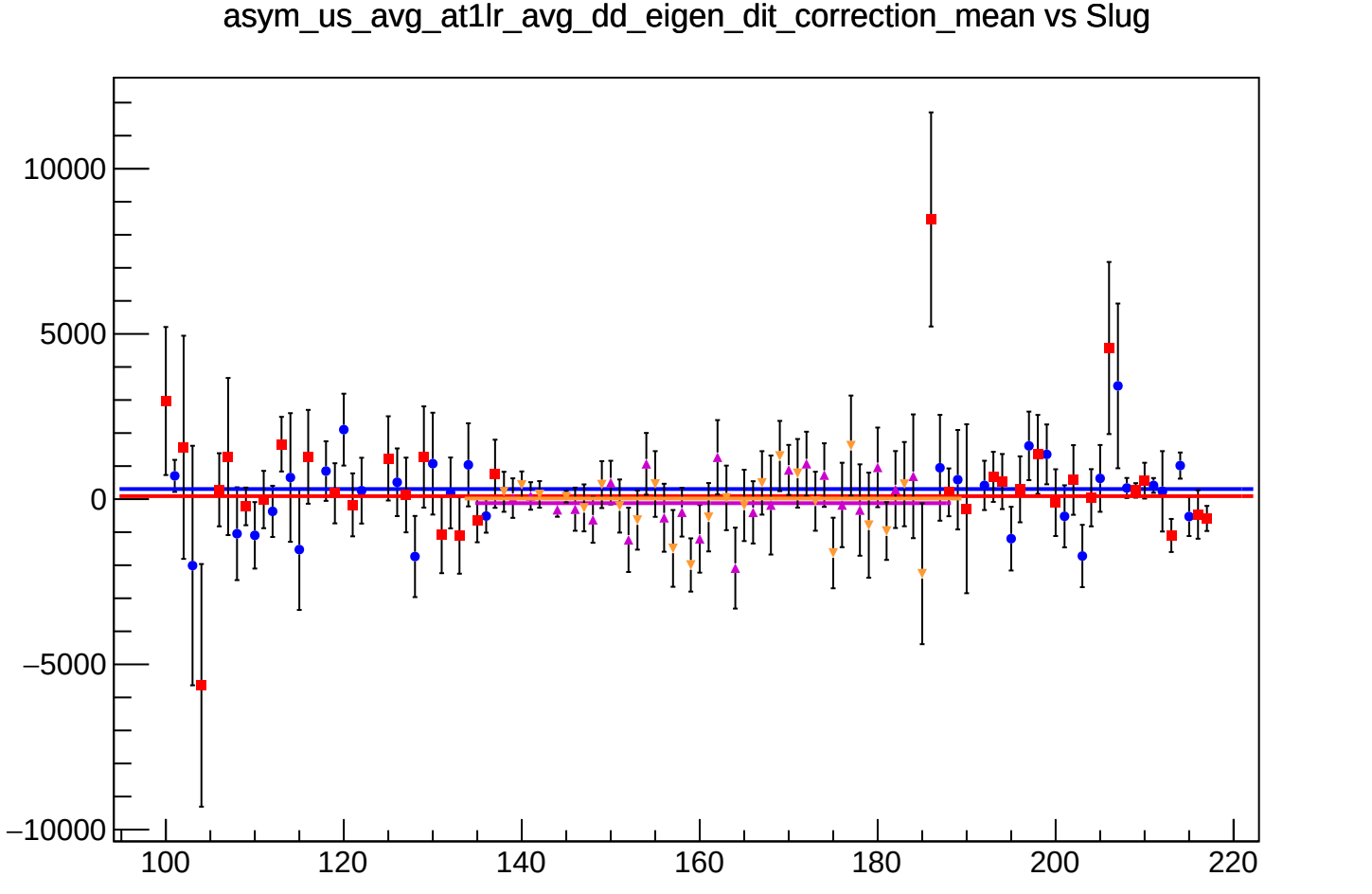
Right Out: 1811.301+/-0.287 χ^2/NDF: 428246.3/33

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1763.073+/-0.204 χ^2/NDF: 764712.0/54

All: 1768.038+/-0.144 χ^2/NDF: 1231893.6/11

- sign 1772.963+/-0.203 χ^2/NDF: 465997.2/56



Right In: 305.745+/-120.657 χ^2/NDF: 33.0/30

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

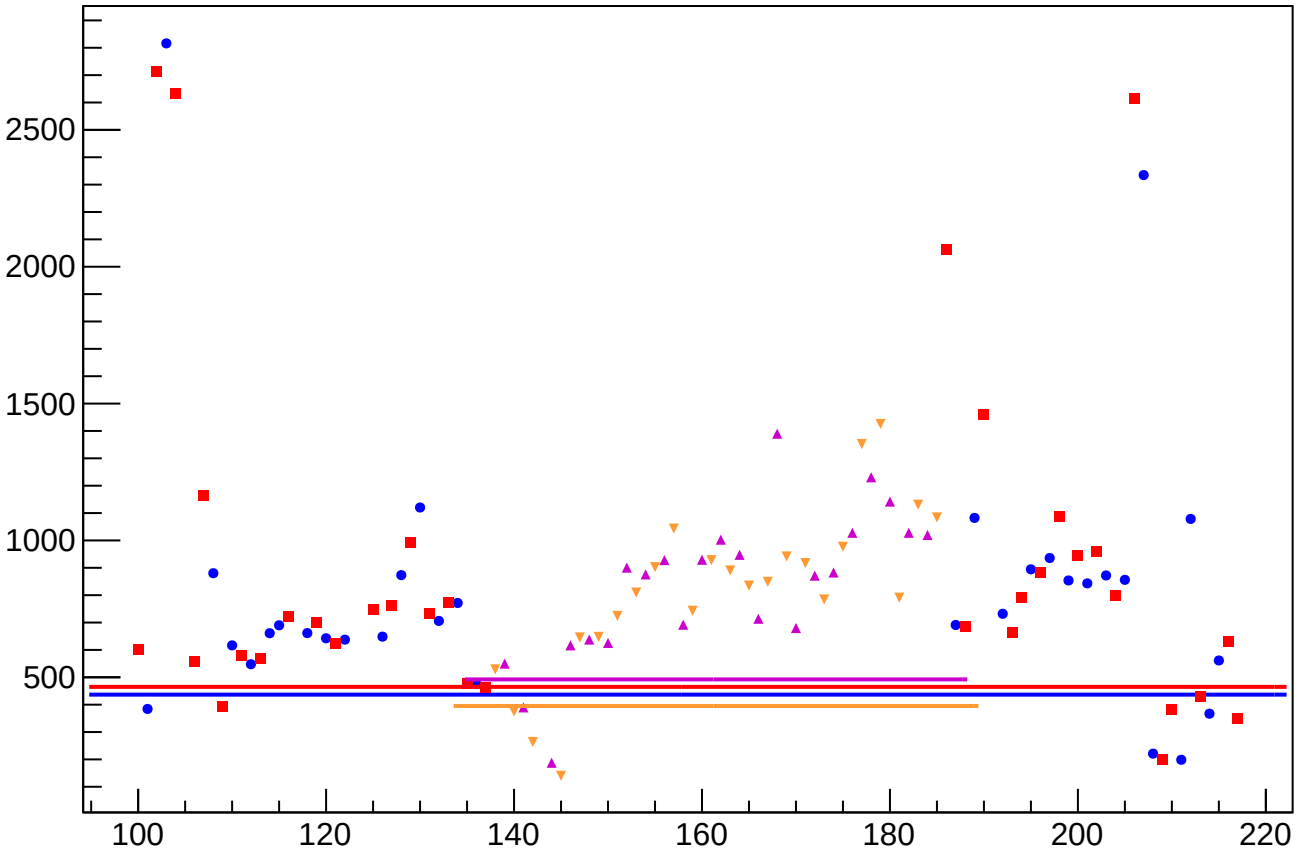
Right Out: 91.274+/-125.064 χ^2/NDF: 37.1/33

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 160.298+/-84.846 χ^2/NDF: 55.3/54

All: 84.500+/-62.499 χ^2/NDF: 111.9/111

- sign -5.420+/-92.412 χ^2/NDF: 54.9/56



Right In: 436.604+/-0.085 χ^2/NDF: 10909444.0/30

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 464.959+/-0.088 χ^2/NDF: 10978706.6/33

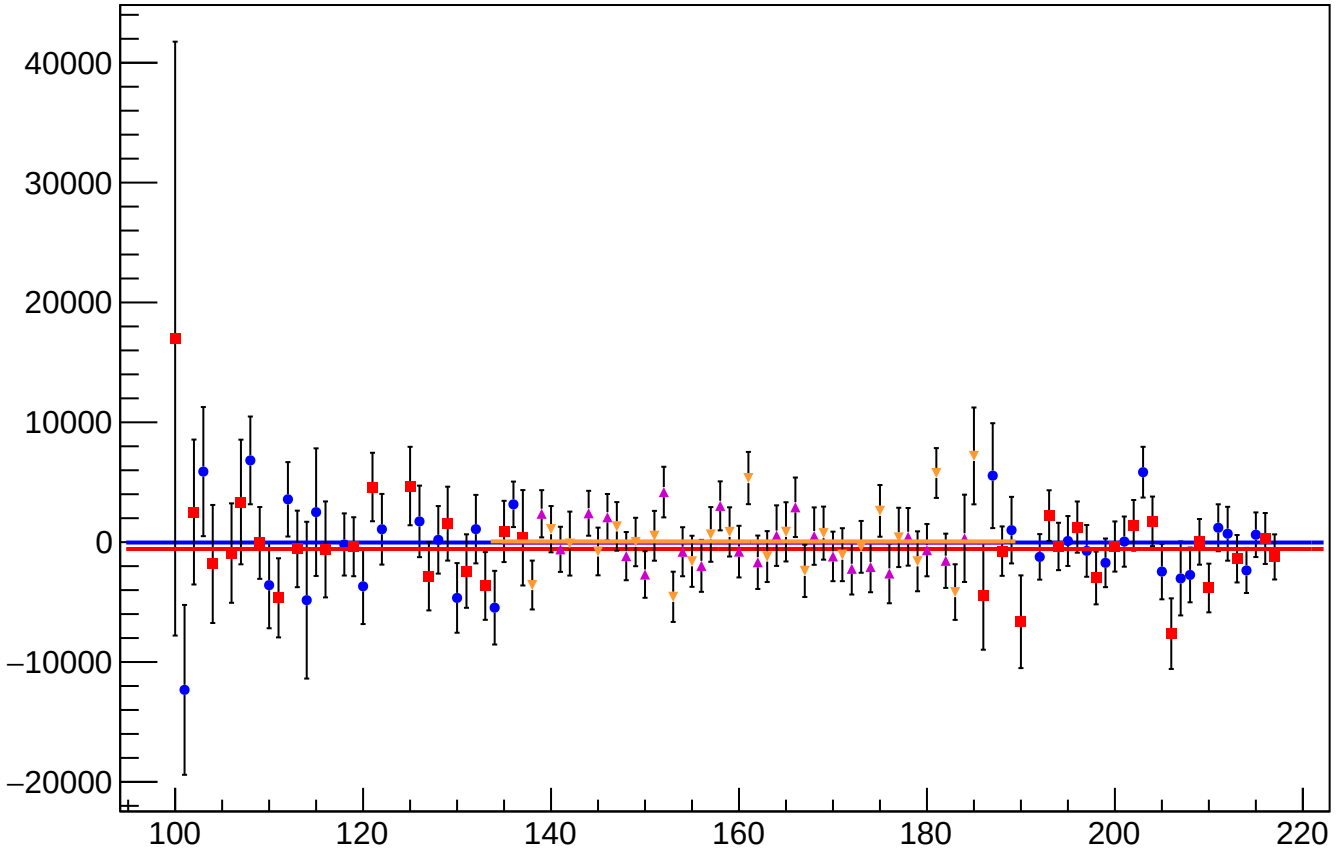
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 415.668+/-0.060 χ^2/NDF: 25363030.0/54

All: 443.890+/-0.044 χ^2/NDF: 47288433.3/11

- sign 477.369+/-0.065 χ^2/NDF: 21441612.1/56

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -28.887+/-460.935 χ^2/NDF: 37.5/30

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -569.705+/-450.800 χ^2/NDF: 29.8/33

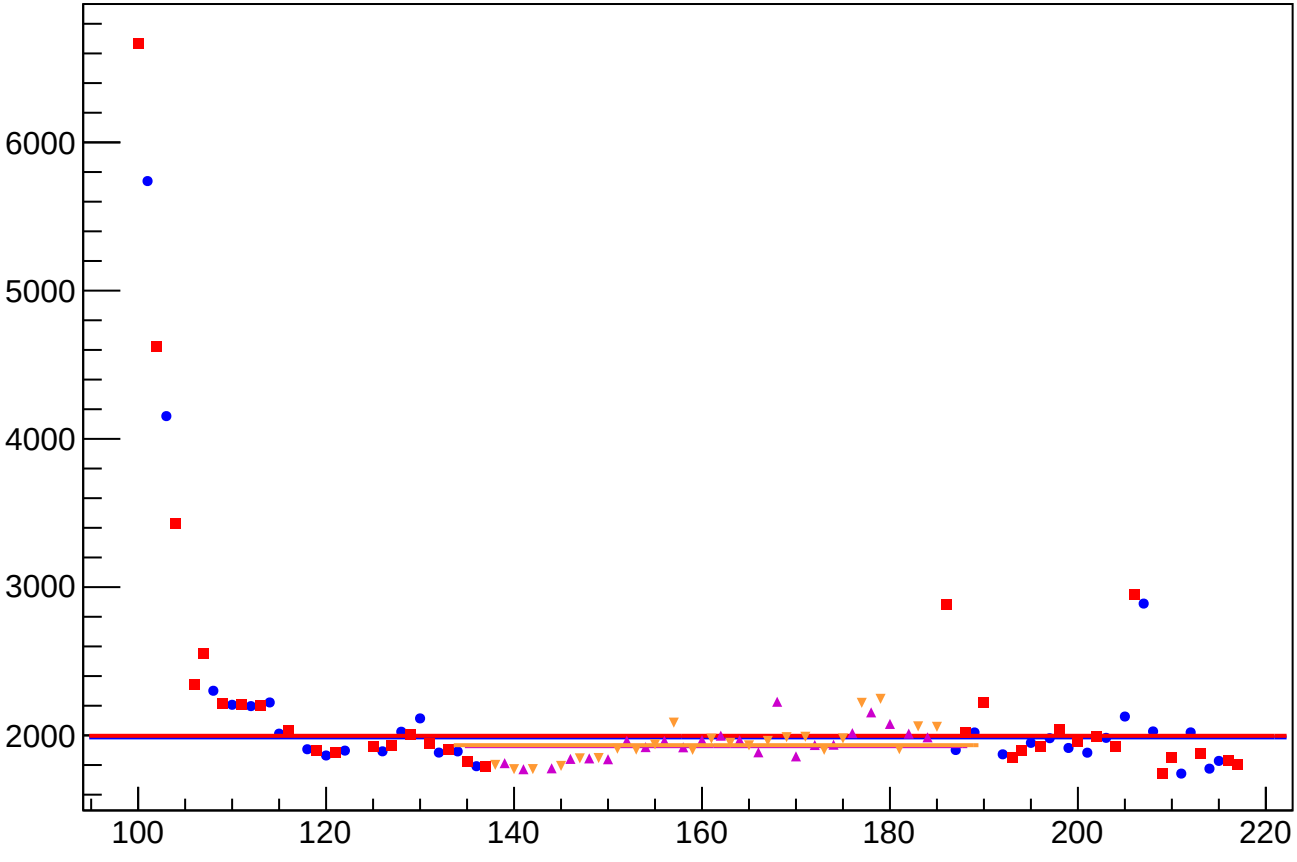
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 20.060+/-321.903 χ^2/NDF: 71.2/54

All: -140.341+/-226.496 χ^2/NDF: 122.1/111

- sign -297.612+/-318.748 χ^2/NDF: 50.5/56

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1986.420+/-0.326 χ^2/NDF: 1223580.9/30

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

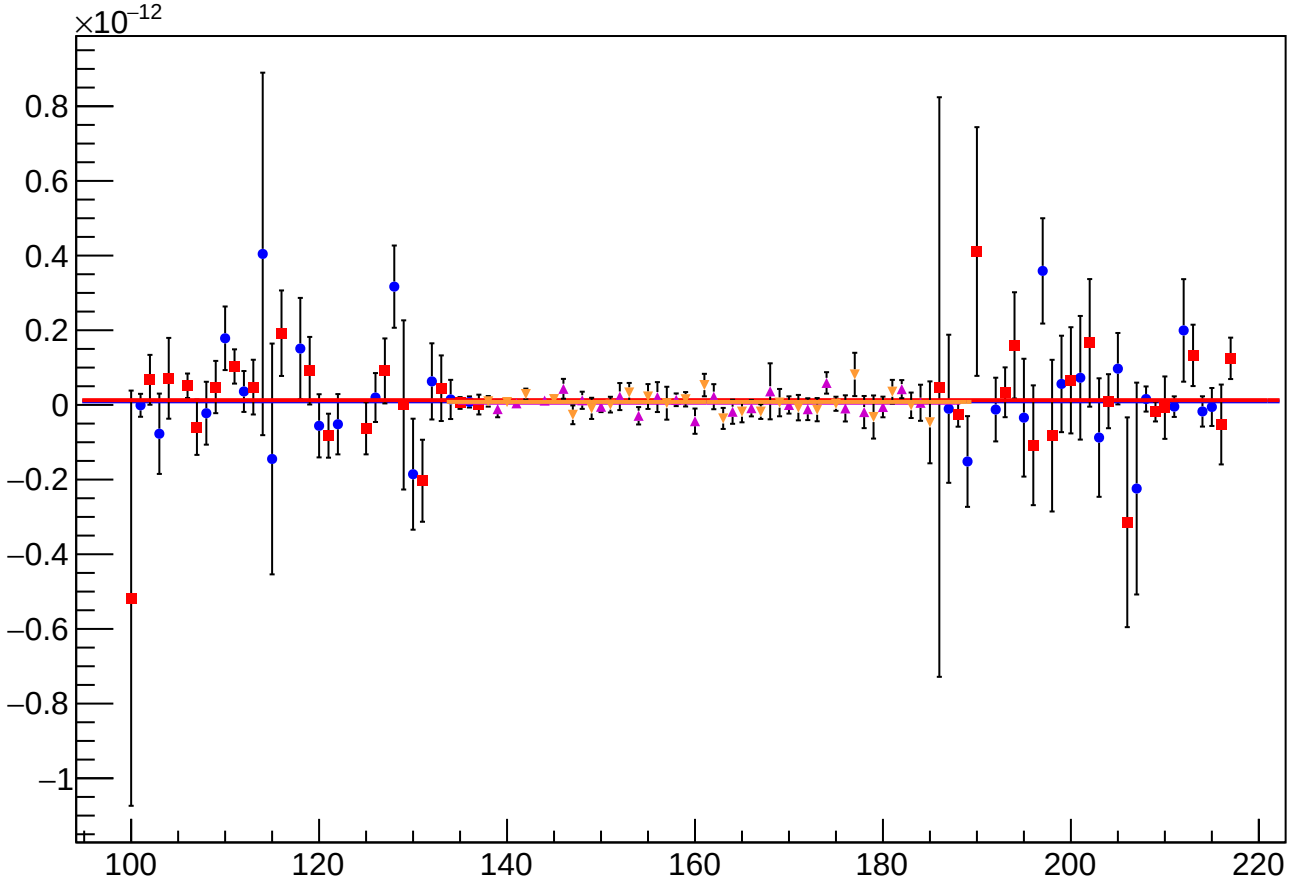
Right Out: 1997.163+/-0.319 χ^2/NDF: 1110393.7/33

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1959.466+/-0.228 χ^2/NDF: 1365463.0/54

All: 1960.817+/-0.160 χ^2/NDF: 2616502.7/11

- sign 1962.141+/-0.225 χ^2/NDF: 1250970.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

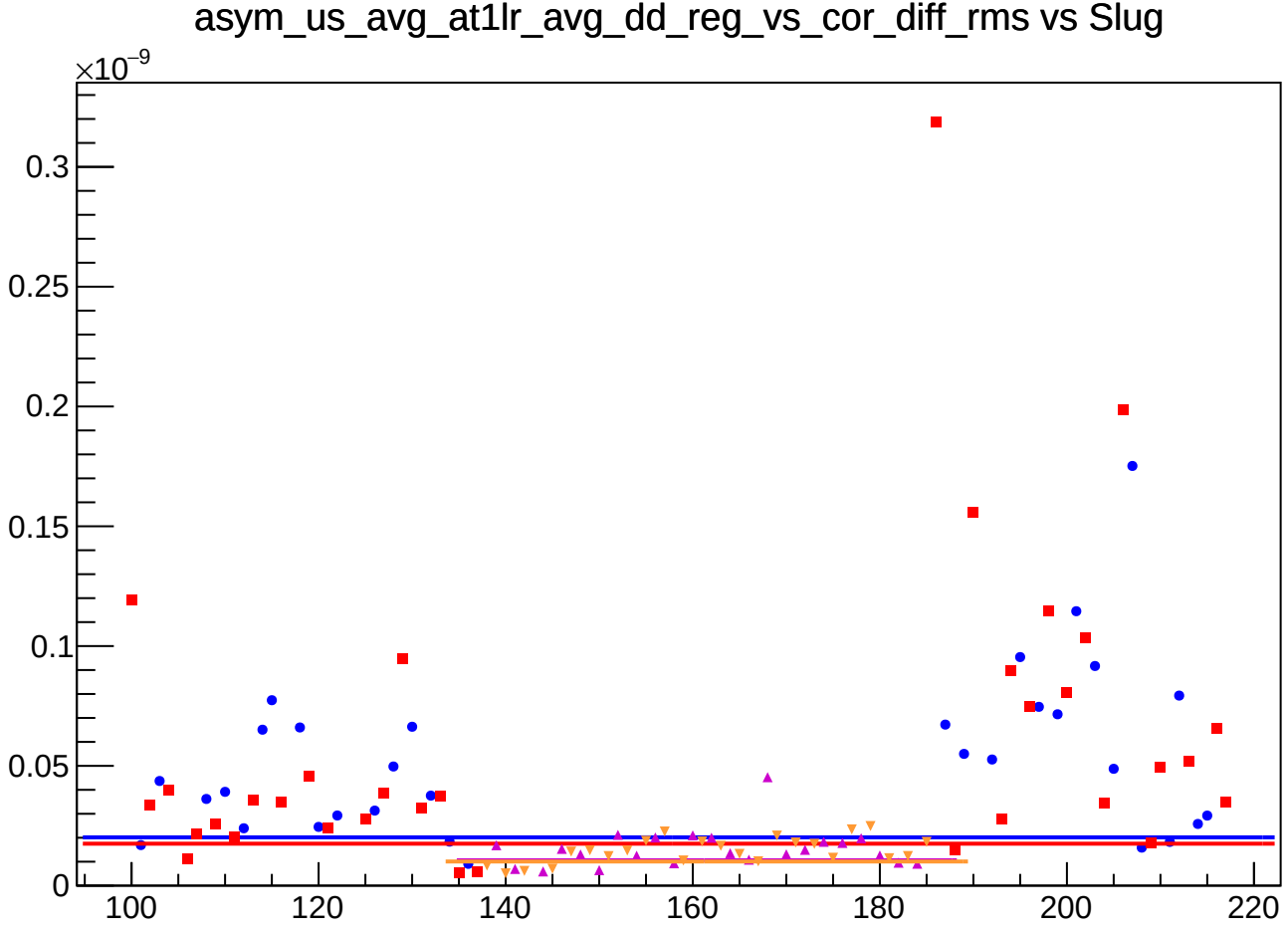
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.4/54

All: 0.000+/-0.000 χ^2/NDF: 101.6/111

- sign 0.000+/-0.000 χ^2/NDF: 53.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6190225.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

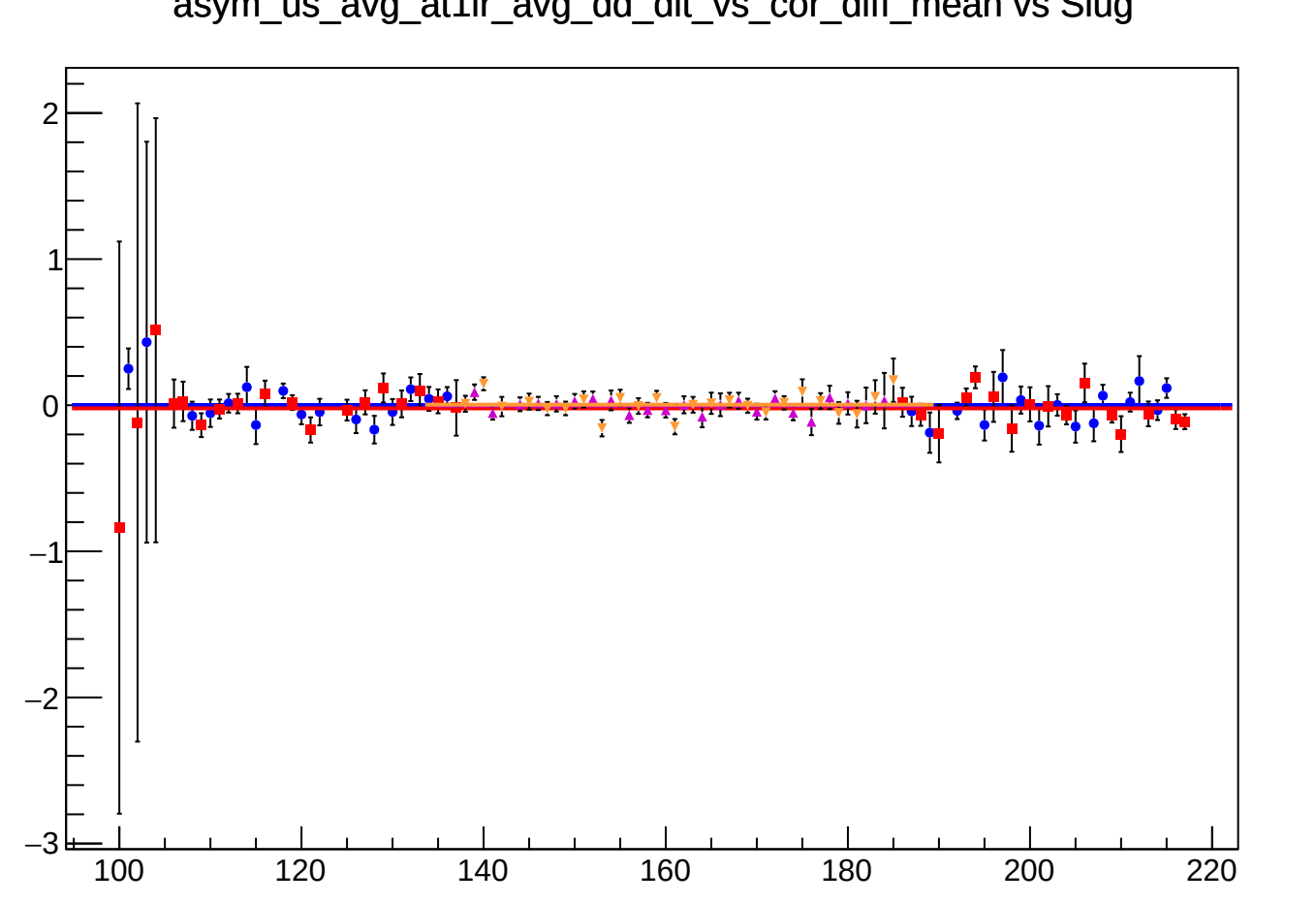
Right Out: 0.000+/-0.000 χ^2/NDF: 7896730.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10353455.2/54

All: 0.000+/-0.000 χ^2/NDF: 21785431.2/111

- sign 0.000+/-0.000 χ^2/NDF: 11430993.0/56



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

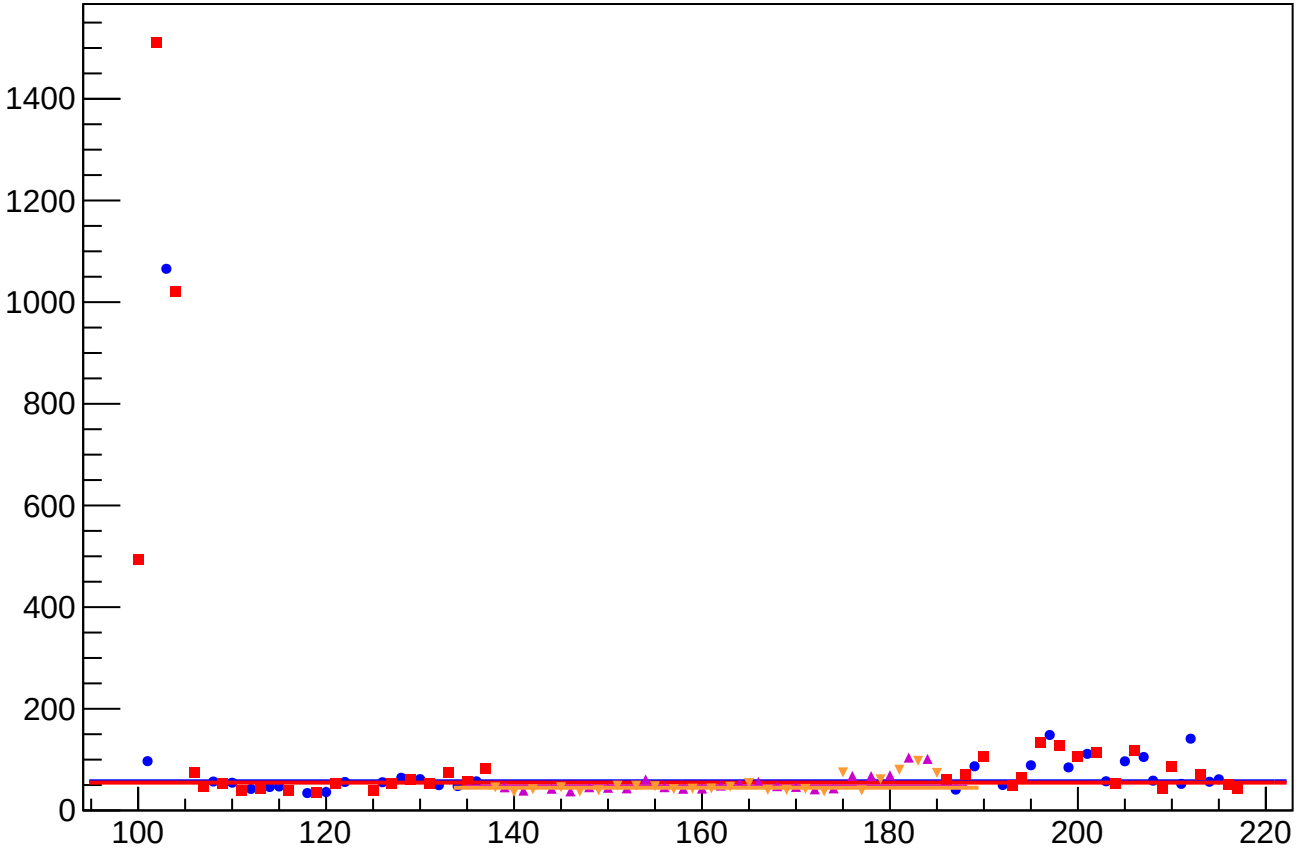
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.003+/-0.009 χ^2/NDF: 68.1/54

All: -0.004+/-0.007 χ^2/NDF: 117.5/111

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 57.379+/-0.011 χ^2/NDF: 4479560.1/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

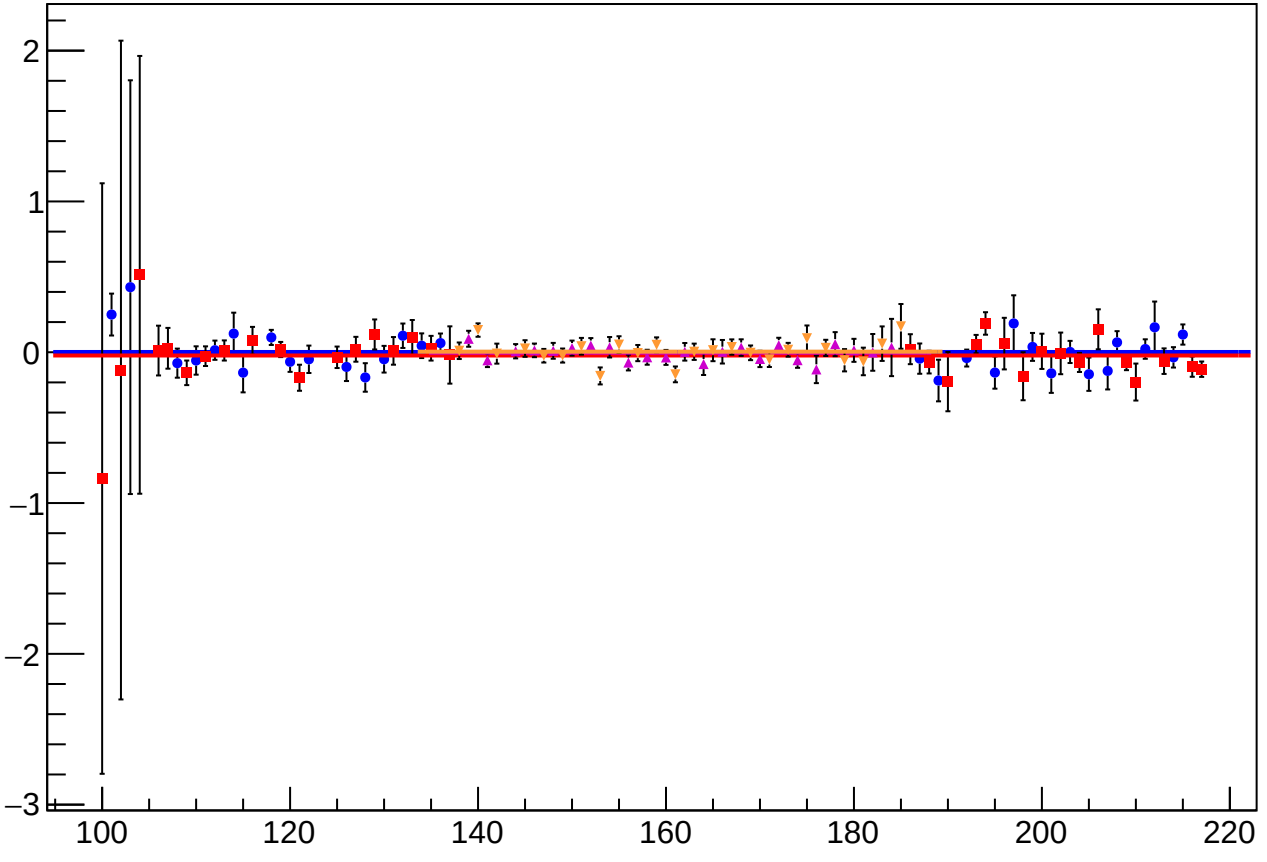
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.299+/-0.007 χ^2/NDF: 6833371.8/54

All: 49.700+/-0.005 χ^2/NDF: 13947845.5/111

- sign 50.107+/-0.007 χ^2/NDF: 7106815.7/56

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

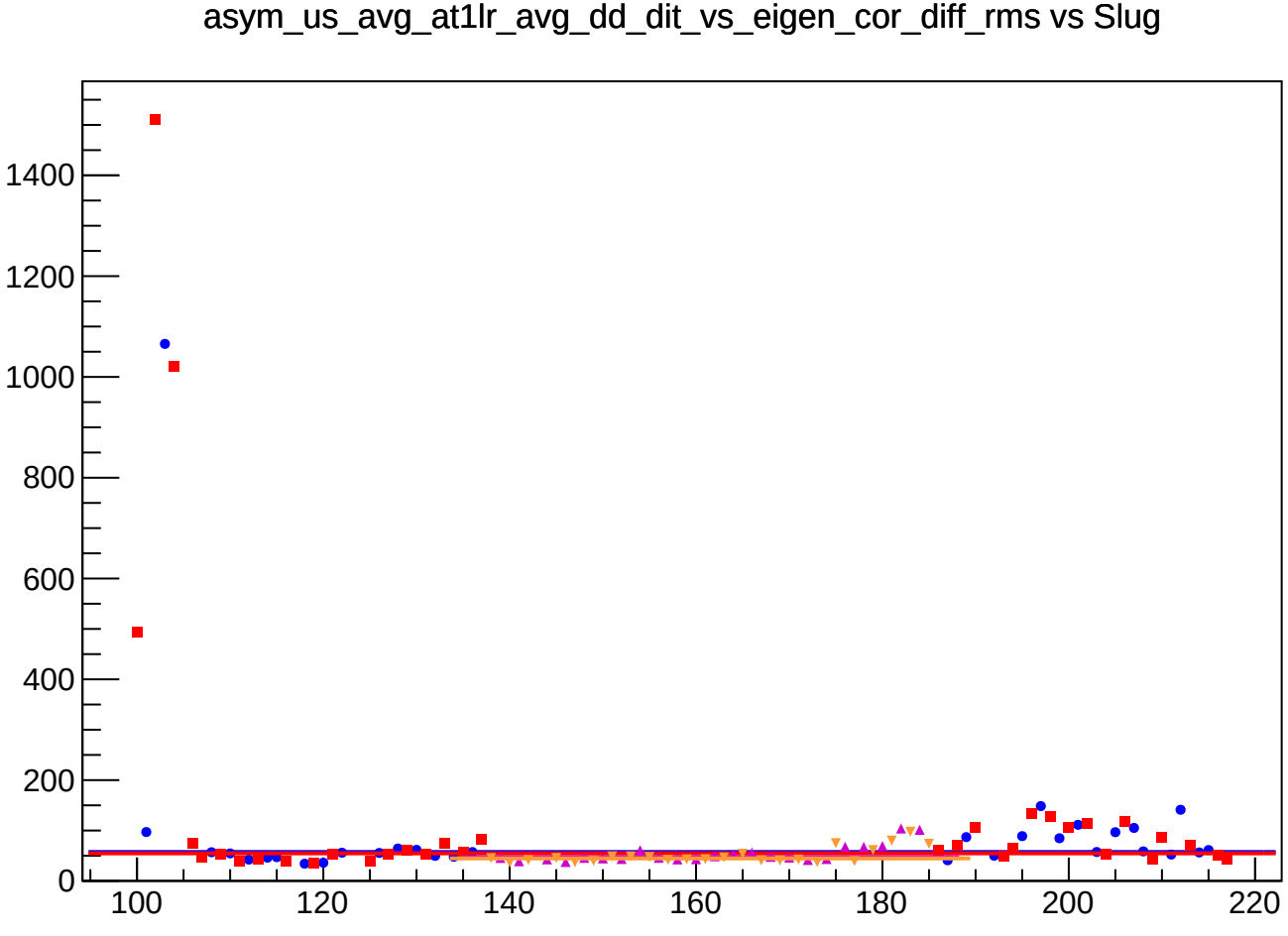
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.003+/-0.009 χ^2/NDF: 68.1/54

All: -0.004+/-0.007 χ^2/NDF: 117.5/111

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 57.379+/-0.011 χ^2/NDF: 4479560.1/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

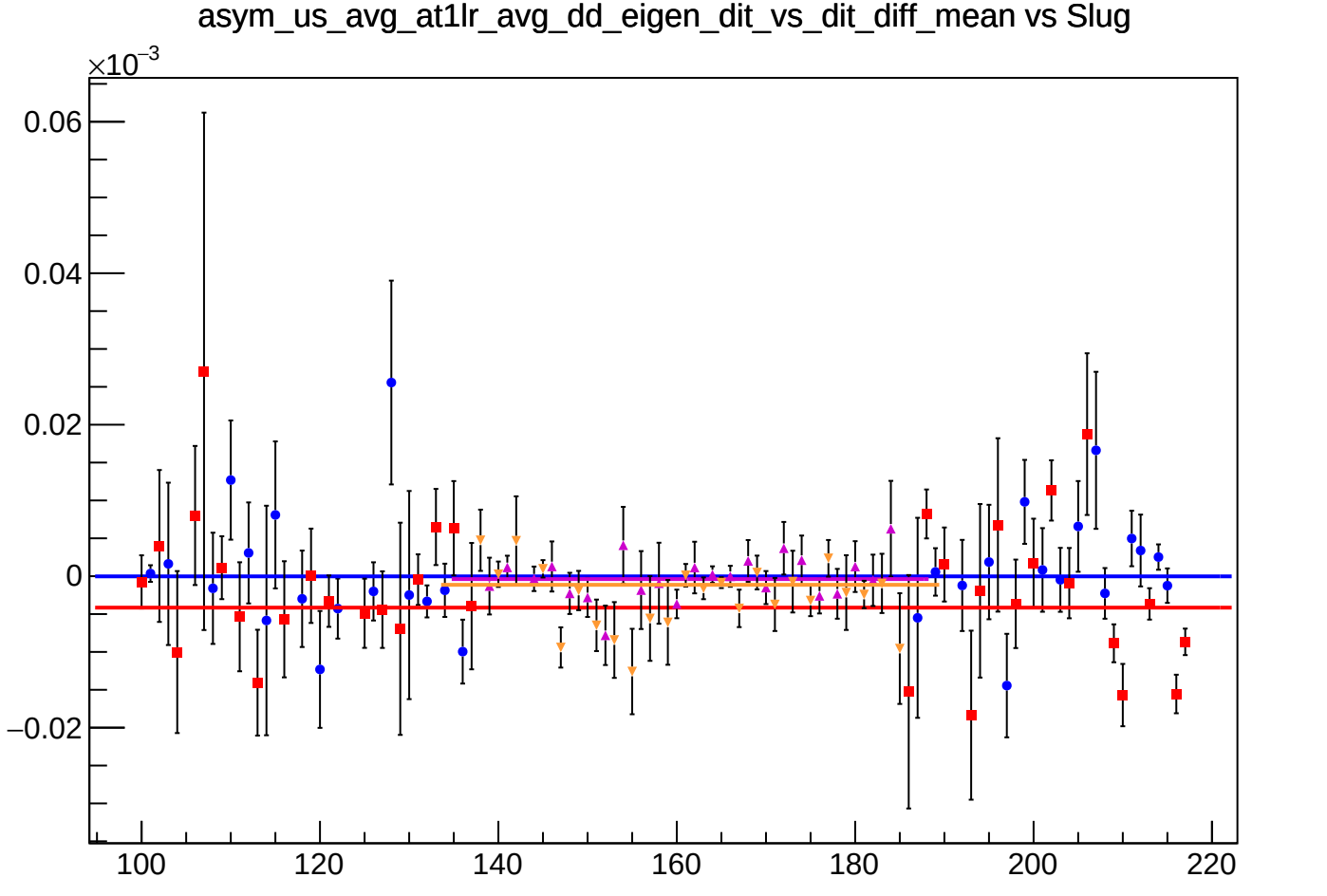
Right Out: 54.756+/-0.010 χ^2/NDF: 5390718.4/33

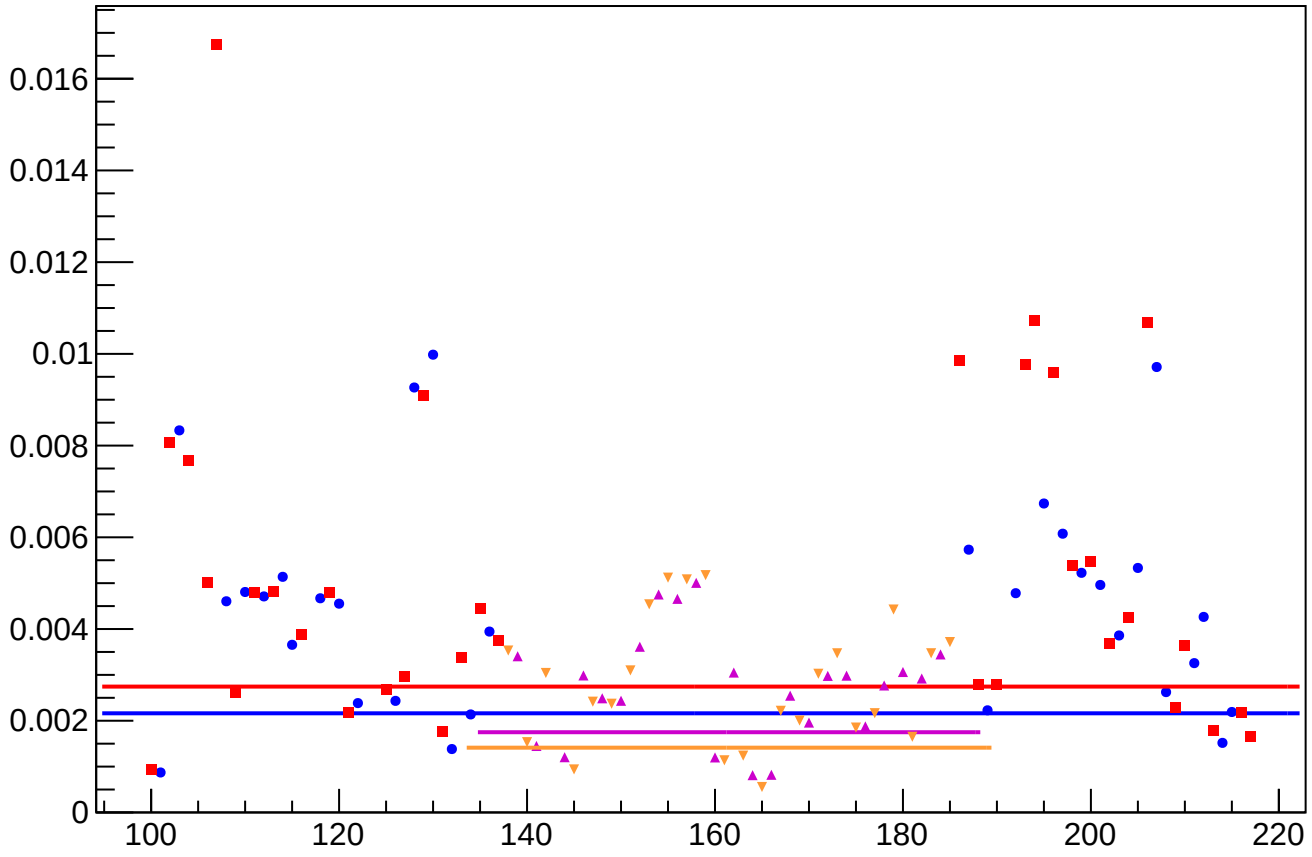
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.299+/-0.007 χ^2/NDF: 6833371.8/54

All: 49.700+/-0.005 χ^2/NDF: 13947845.5/111

- sign 50.107+/-0.007 χ^2/NDF: 7106815.7/56


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.1/30
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 95.8/33
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 75.1/54
All: -0.000+/-0.000 χ²/NDF: 207.6/111
- sign -0.000+/-0.000 χ²/NDF: 130.5/56



Right In: 0.002+/-0.000 χ^2/NDF: 12529381.1/30

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10043237.2/33

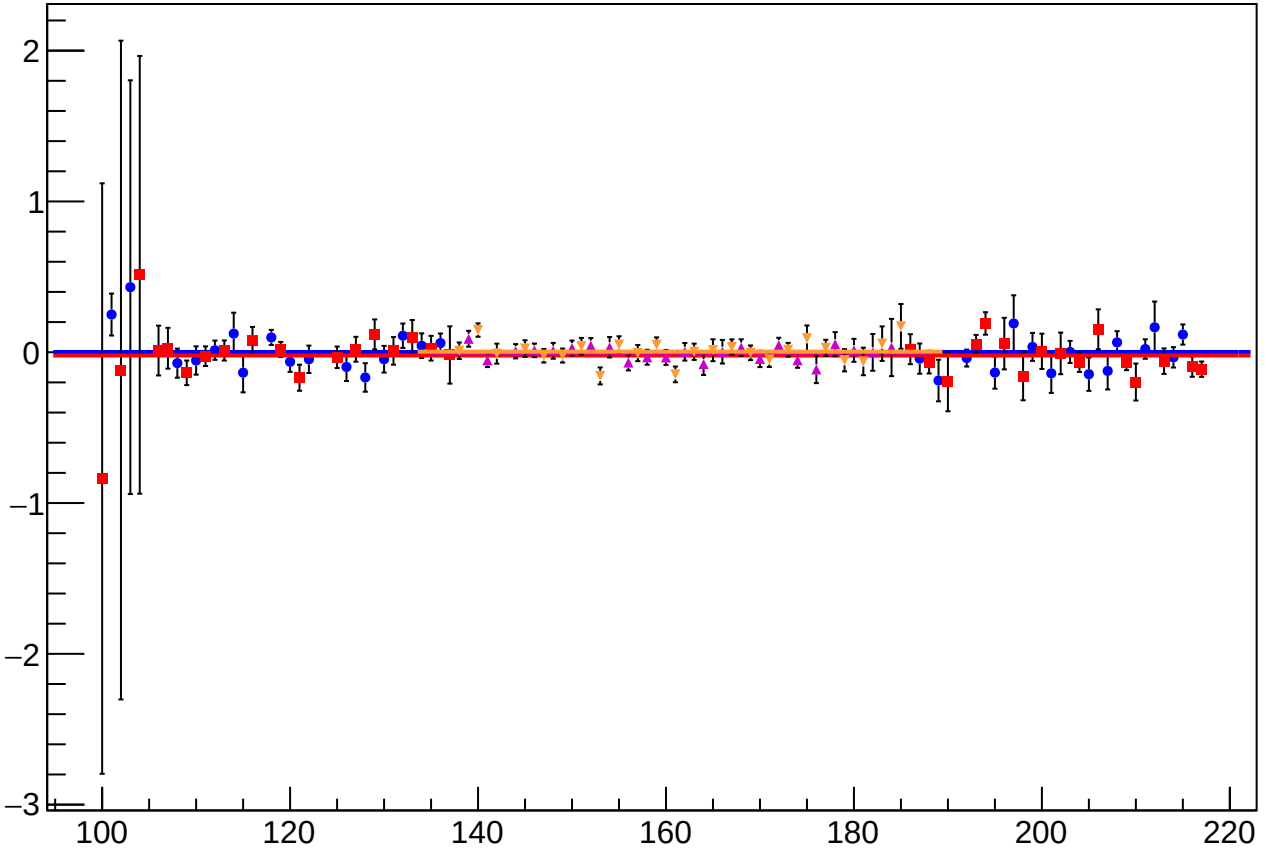
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 26118356.8/54

All: 0.002+/-0.000 χ^2/NDF: 48216120.6/111

- sign 0.002+/-0.000 χ^2/NDF: 20840847.3/56

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

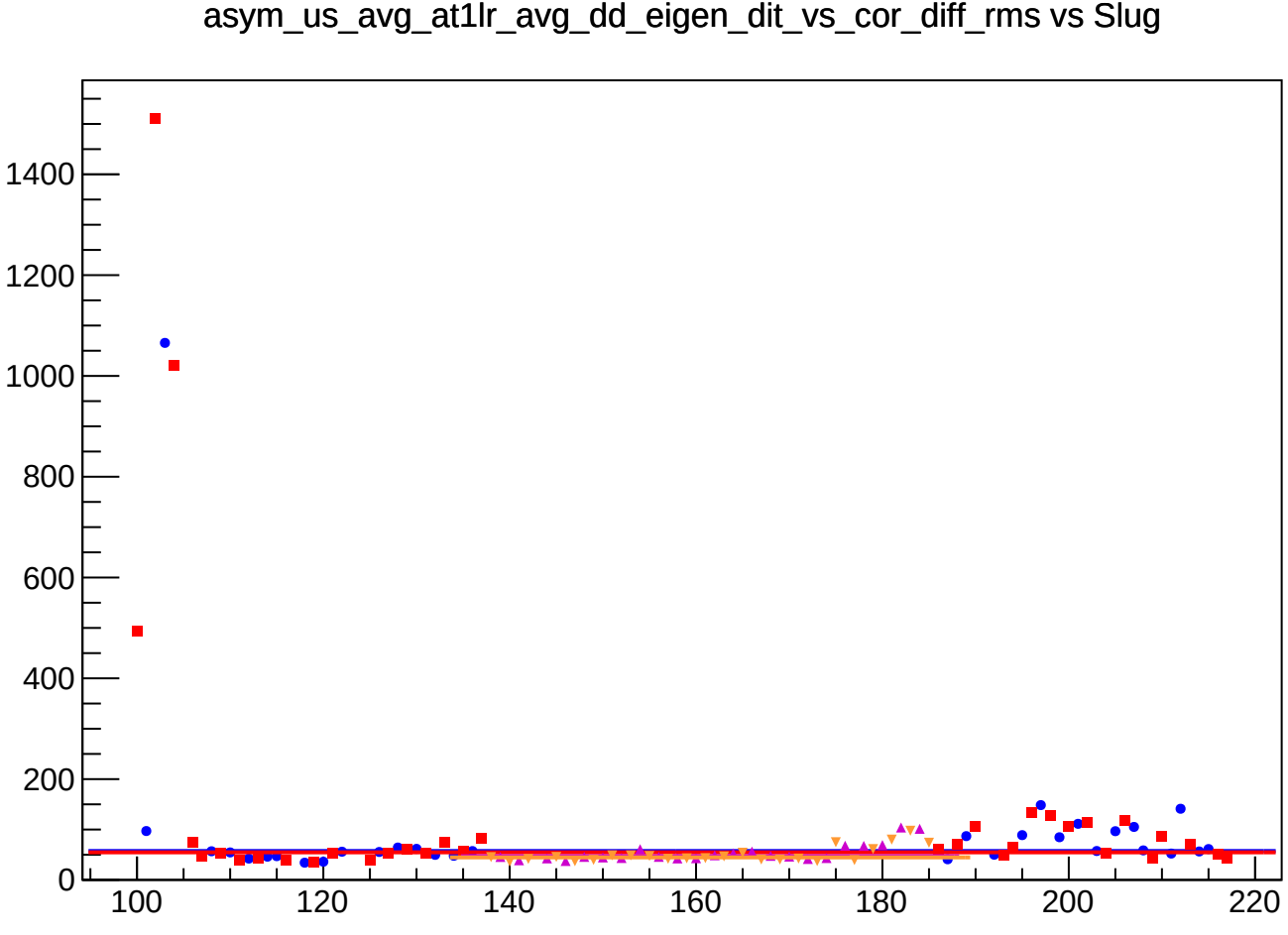
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.003+/-0.009 χ^2/NDF: 68.1/54

All: -0.004+/-0.007 χ^2/NDF: 117.5/111

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 57.379+/-0.011 χ^2/NDF: 4479638.9/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

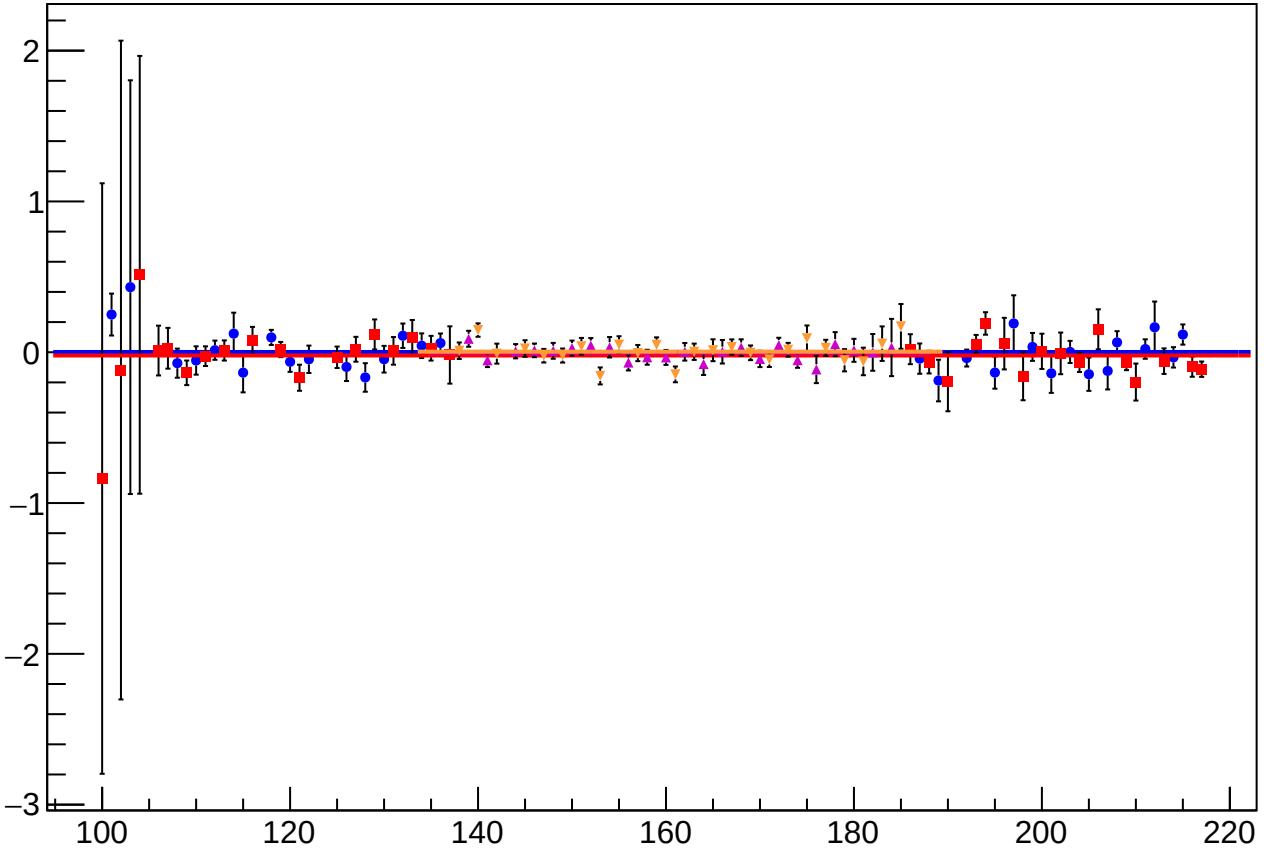
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.299+/-0.007 χ^2/NDF: 6833372.5/54

All: 49.700+/-0.005 χ^2/NDF: 13948046.2/111

- sign 50.107+/-0.007 χ^2/NDF: 7107024.1/56

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 33.0/30

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

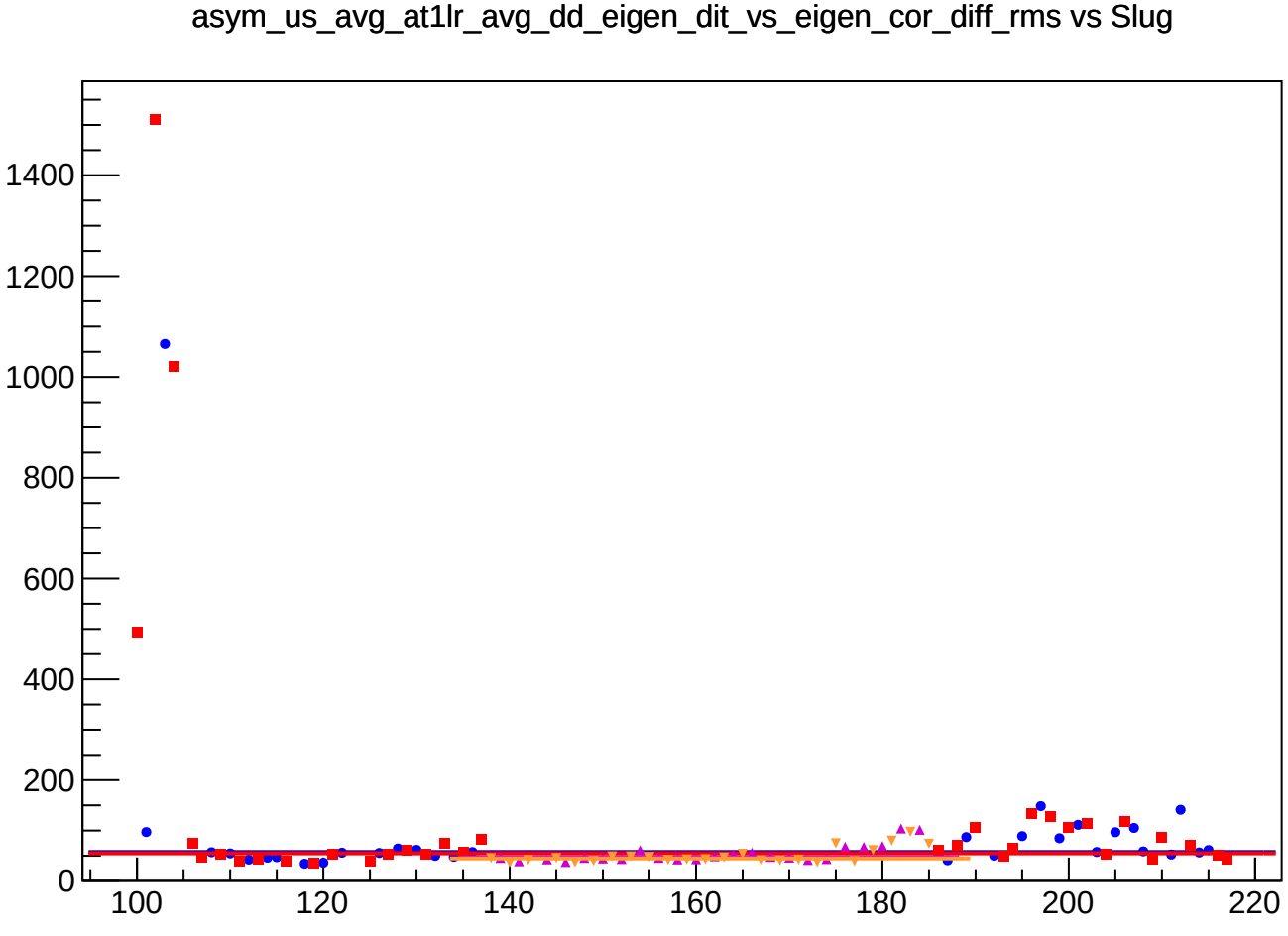
Right Out: -0.022+/-0.015 χ^2/NDF: 33.0/33

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.003+/-0.009 χ^2/NDF: 68.1/54

All: -0.004+/-0.007 χ^2/NDF: 117.5/111

- sign -0.010+/-0.009 χ^2/NDF: 48.4/56



Right In: 57.379+/-0.011 χ^2/NDF: 4479638.9/30

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

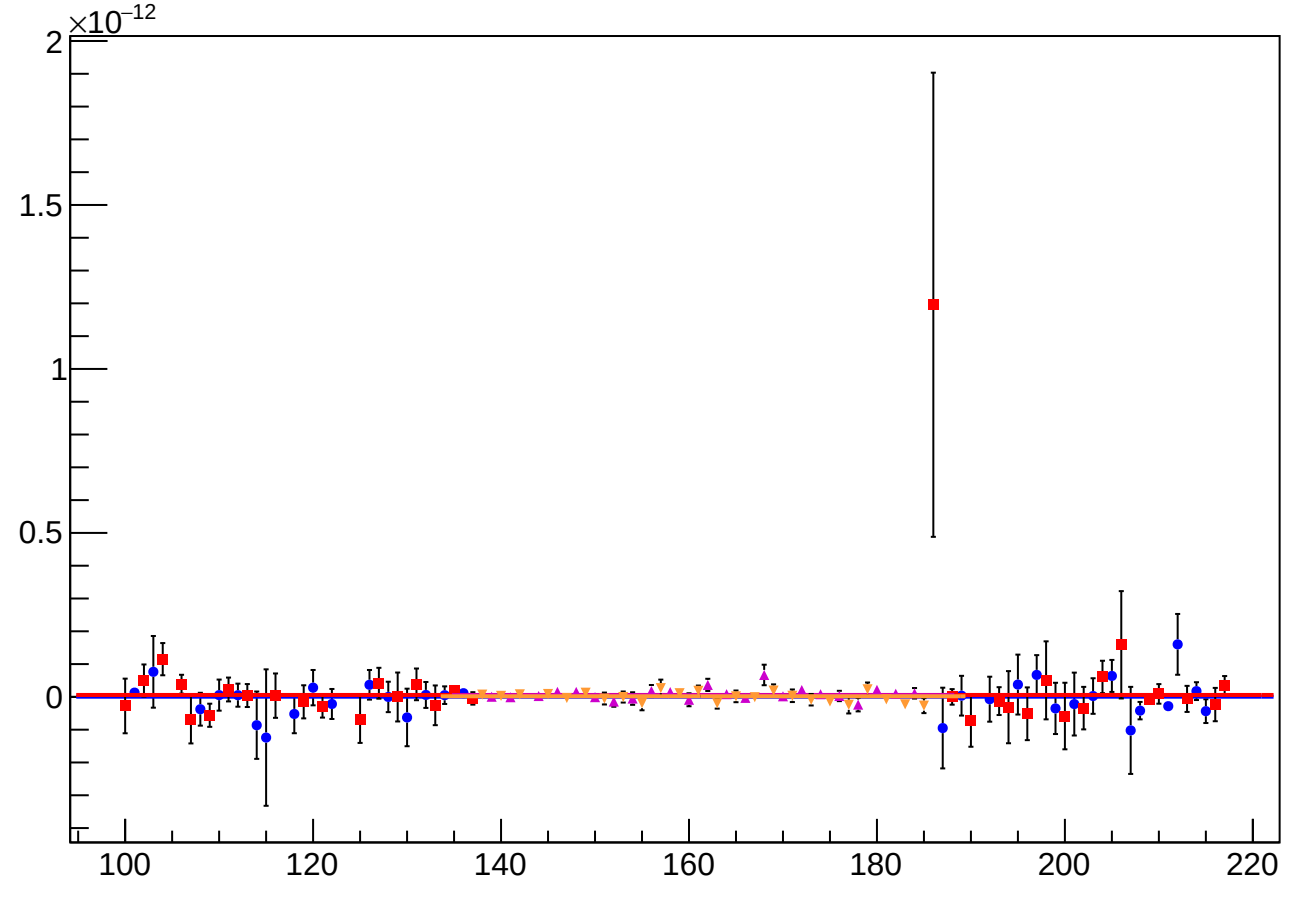
Right Out: 54.755+/-0.010 χ^2/NDF: 5390904.5/33

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.299+/-0.007 χ^2/NDF: 6833372.5/54

All: 49.700+/-0.005 χ^2/NDF: 13948046.2/111

- sign 50.107+/-0.007 χ^2/NDF: 7107024.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

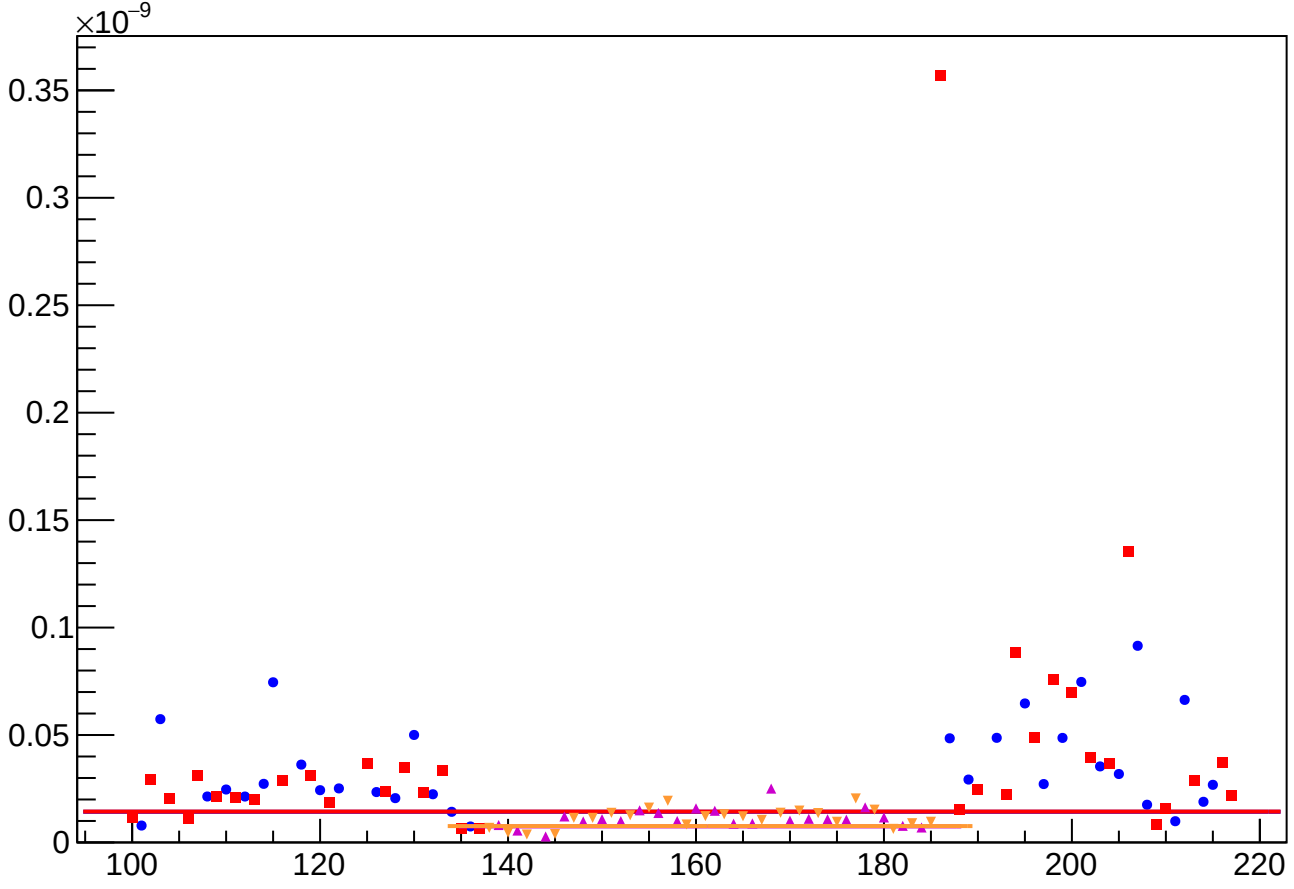
Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/33

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

\+ sign 0.000+/-0.000 χ^2/NDF: 43.6/54

All: 0.000+/-0.000 χ^2/NDF: 89.8/111

\- sign 0.000+/-0.000 χ^2/NDF: 44.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 8269984.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9142239.6/33

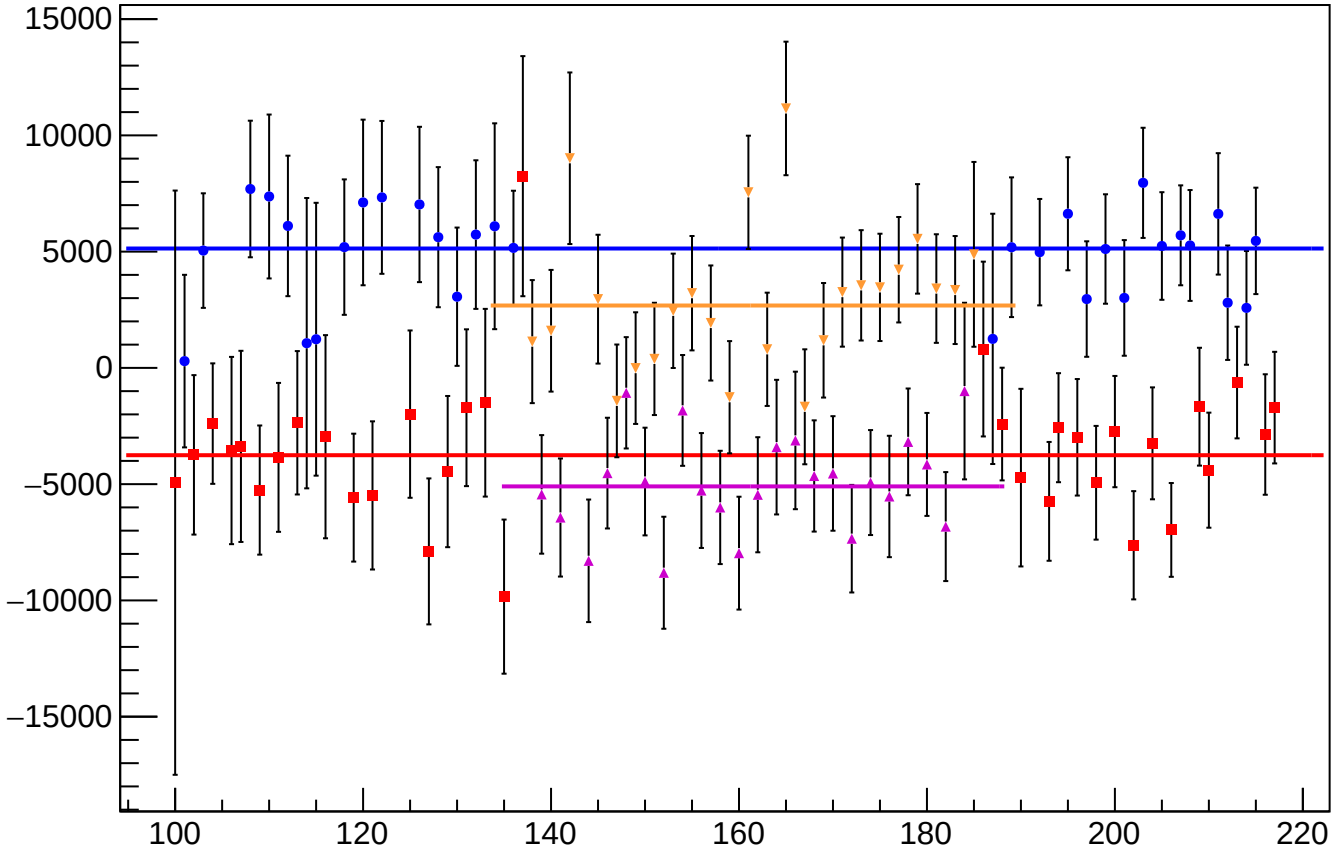
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 16309815.1/54

All: 0.000+/-0.000 χ^2/NDF: 34118270.8/111

- sign 0.000+/-0.000 χ^2/NDF: 17805210.3/56

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5134.208+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3755.044+/-494.351 χ^2/NDF: 24.9/33

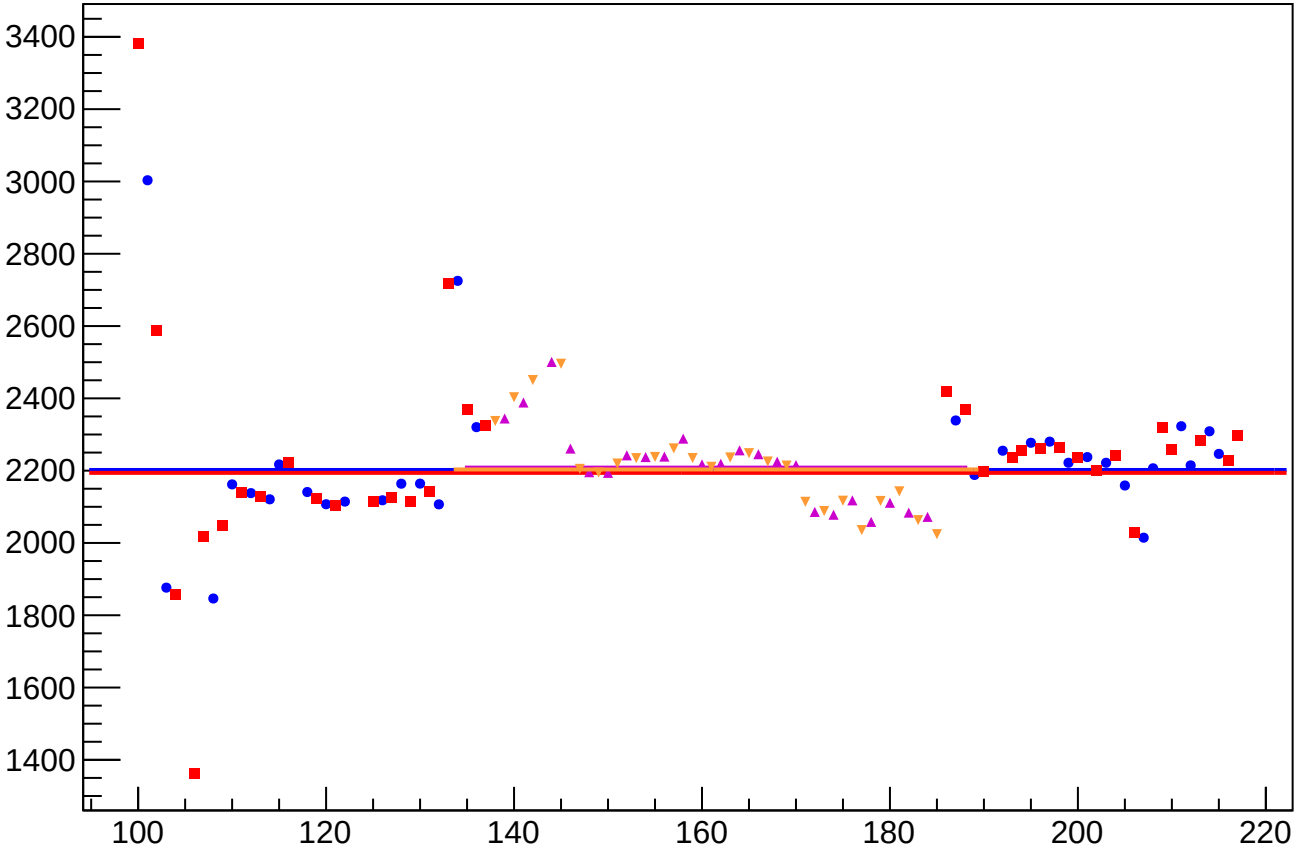
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3930.258+/-358.831 χ^2/NDF: 54.2/54

All: -254.010+/-253.097 χ^2/NDF: 368.2/111

- sign -4396.705+/-357.044 χ^2/NDF: 43.3/56

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.1/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

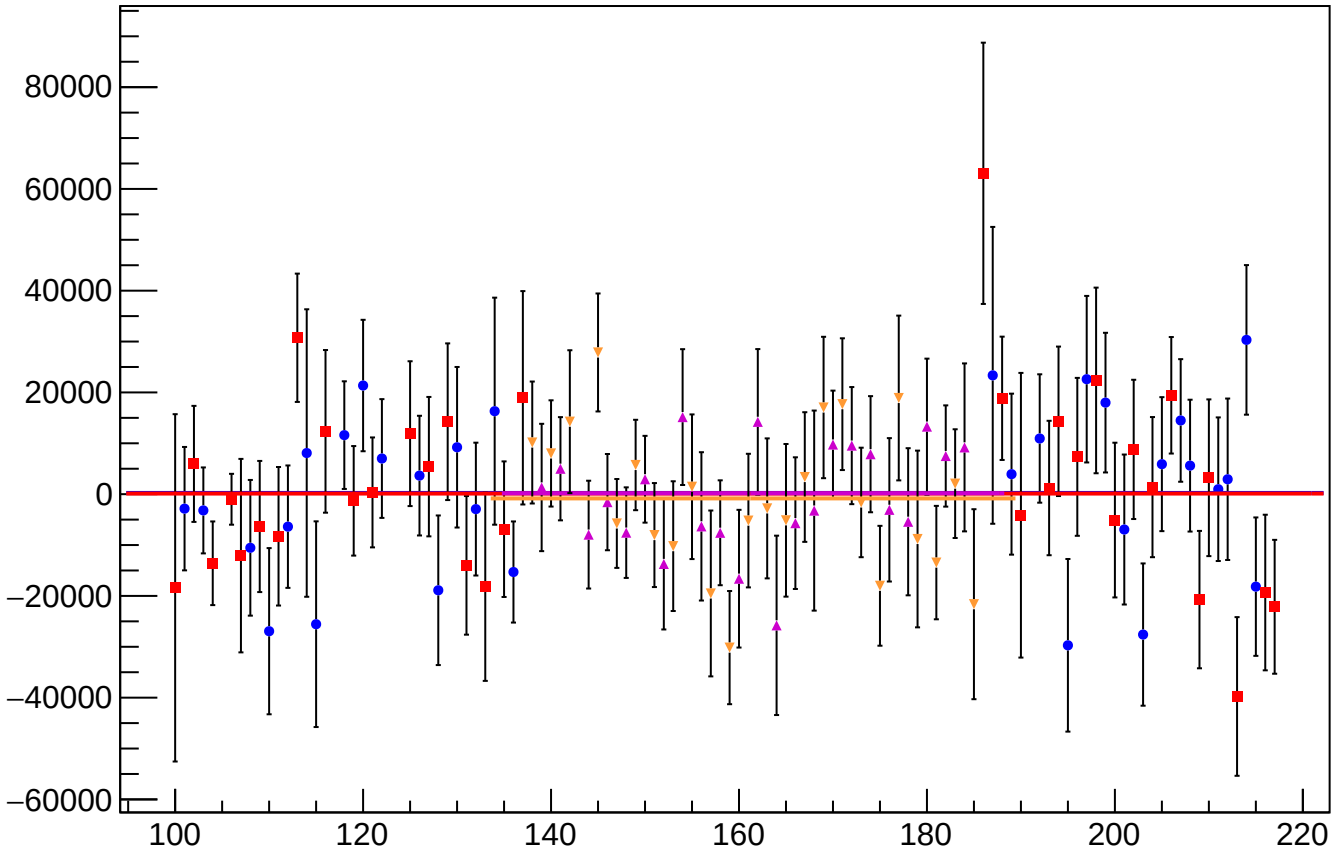
Right Out: 2193.936+/-0.347 χ^2/NDF: 340332.9/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.571+/-0.254 χ^2/NDF: 319065.4/54

All: 2201.679+/-0.179 χ^2/NDF: 741238.5/111

- sign 2200.801+/-0.252 χ^2/NDF: 422148.6/56



Right In: 238.627+/-2438.031 χ^2/NDF: 35.0/30

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

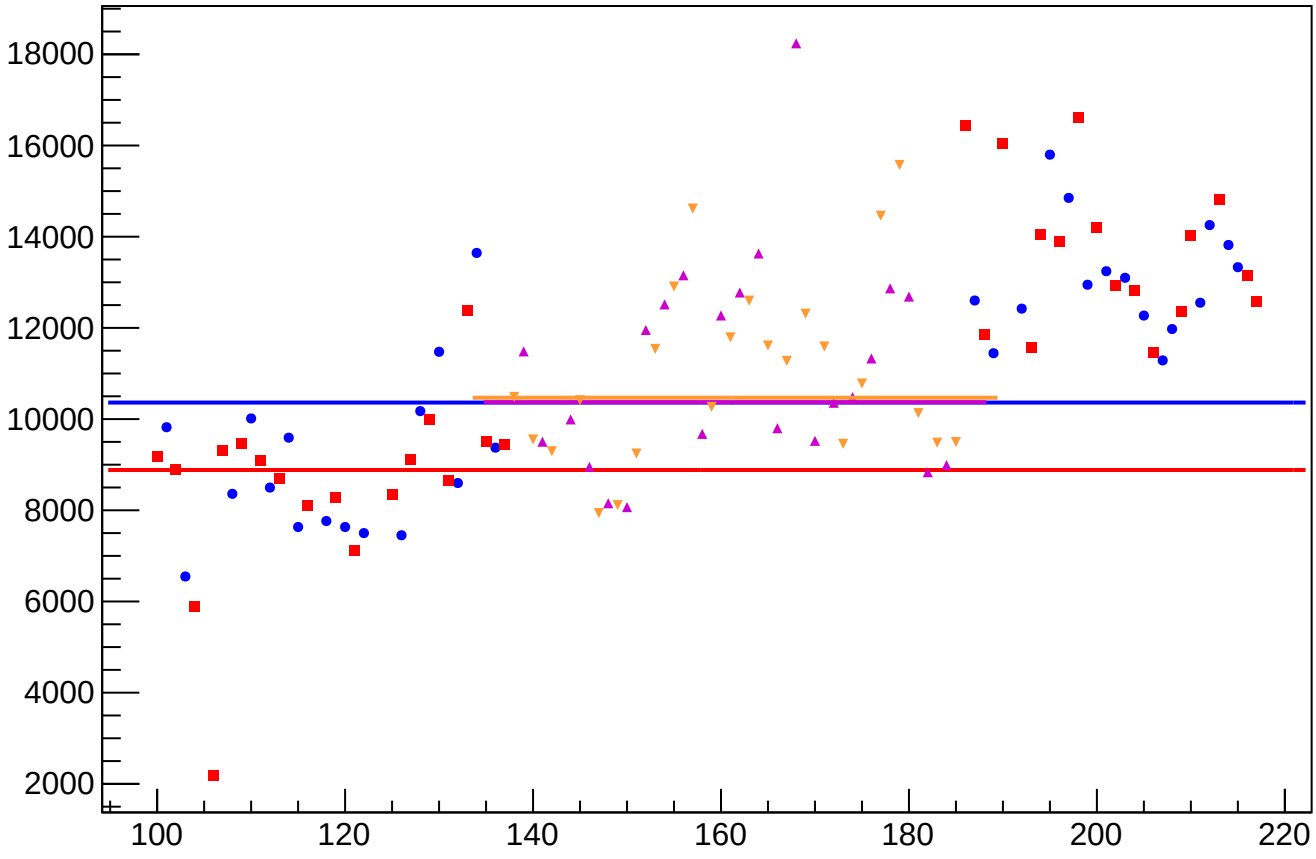
Right Out: 120.591+/-2186.618 χ^2/NDF: 43.6/33

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

\+ sign -287.963+/-1739.102 χ^2/NDF: 64.6/54

All: -57.023+/-1192.225 χ^2/NDF: 122.0/111

\- sign 147.745+/-1637.593 χ^2/NDF: 57.4/56



Right In: 10362.477+/-1.724 χ^2/NDF: 2219123.5/30

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8883.579+/-1.546 χ^2/NDF: 6986204.6/33

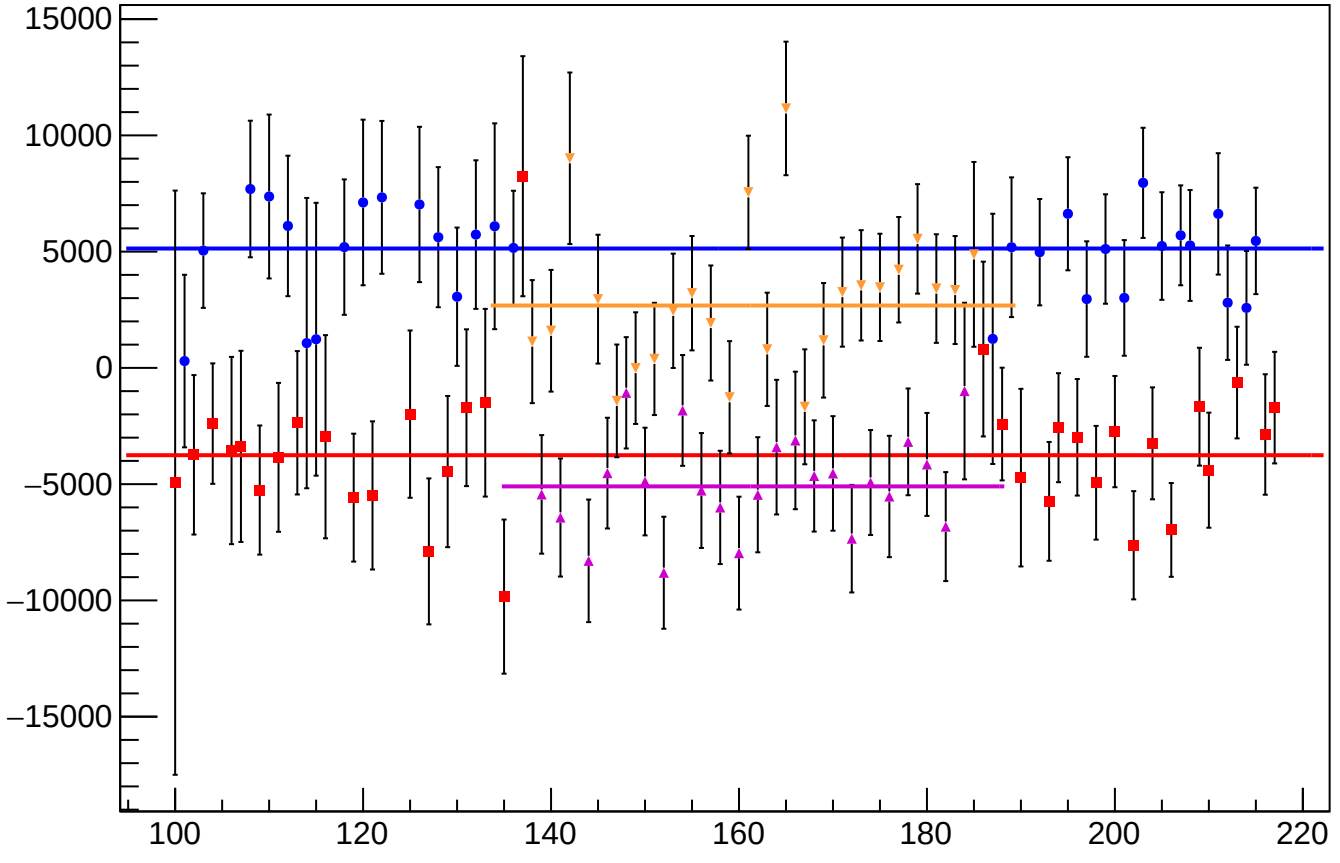
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10414.639+/-1.230 χ^2/NDF: 3266244.6/54

All: 9949.300+/-0.843 χ^2/NDF: 12132693.8/1

- sign 9536.697+/-1.158 χ^2/NDF: 8596292.4/56

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5134.227+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3754.963+/-494.351 χ^2/NDF: 24.9/33

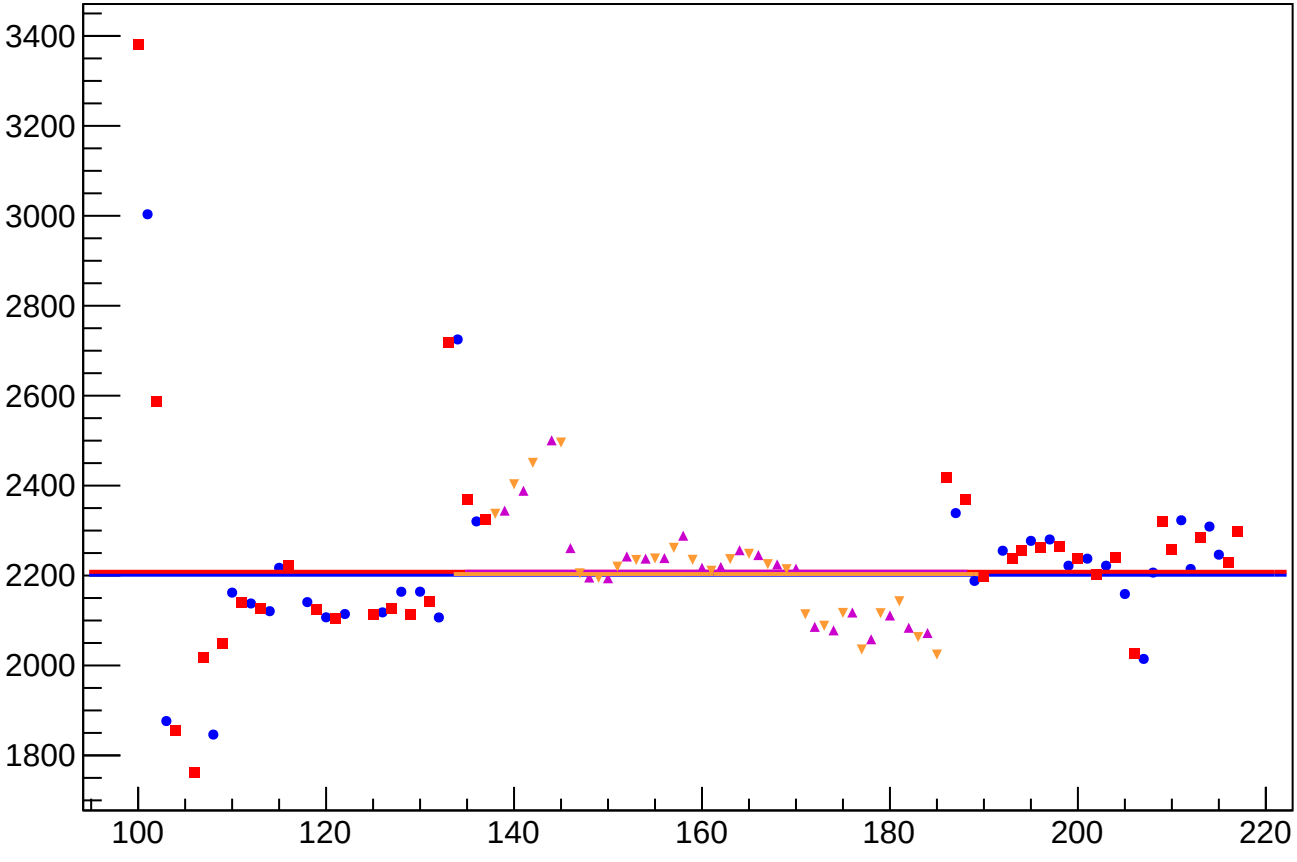
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3930.229+/-358.831 χ^2/NDF: 54.2/54

All: -253.981+/-253.097 χ^2/NDF: 368.2/111

- sign -4396.619+/-357.044 χ^2/NDF: 43.3/56

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.5/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

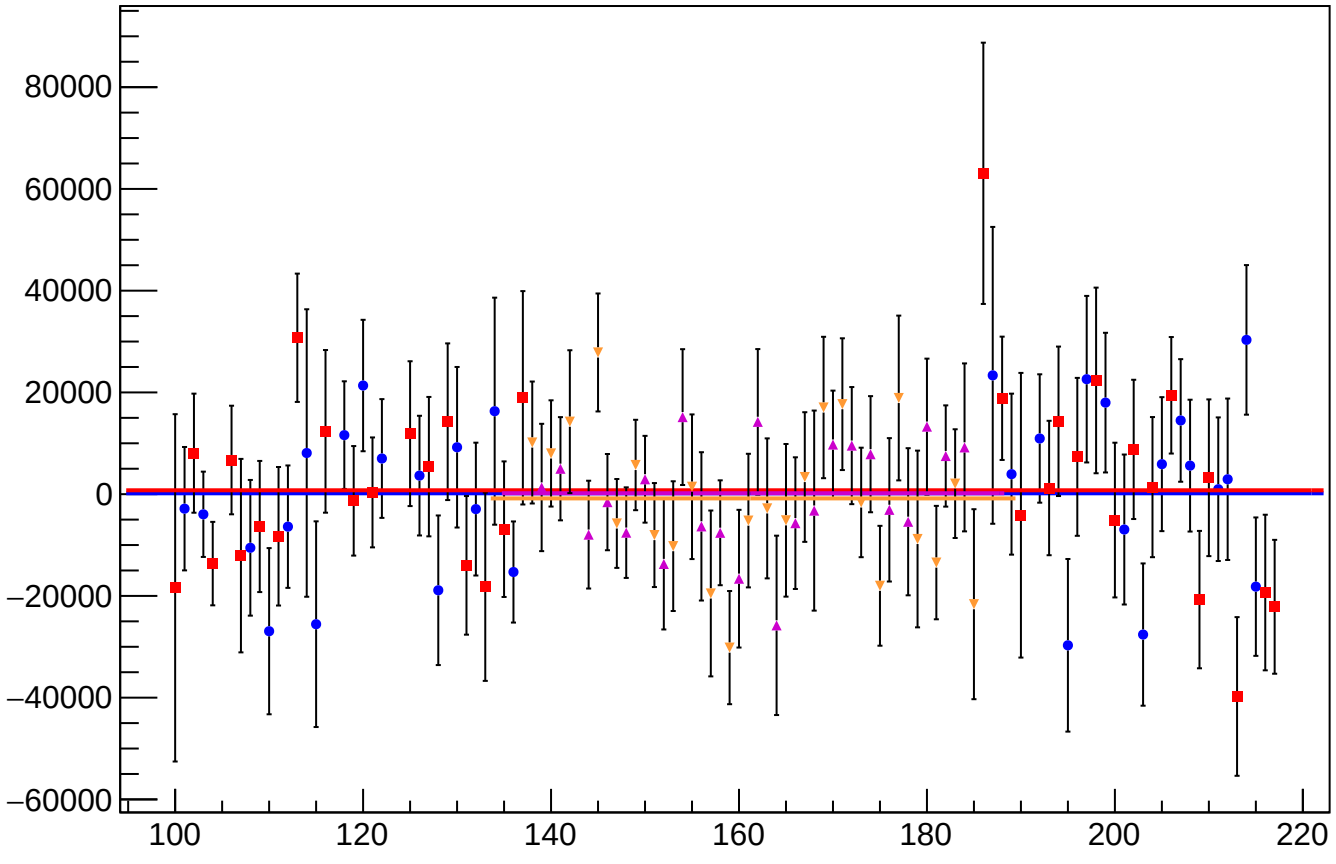
Right Out: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.571+/-0.254 χ^2/NDF: 319065.7/54

All: 2205.487+/-0.179 χ^2/NDF: 614080.0/111

- sign 2208.368+/-0.252 χ^2/NDF: 294751.7/56



Right In: 169.730+/-2436.469 χ^2/NDF: 35.1/30

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

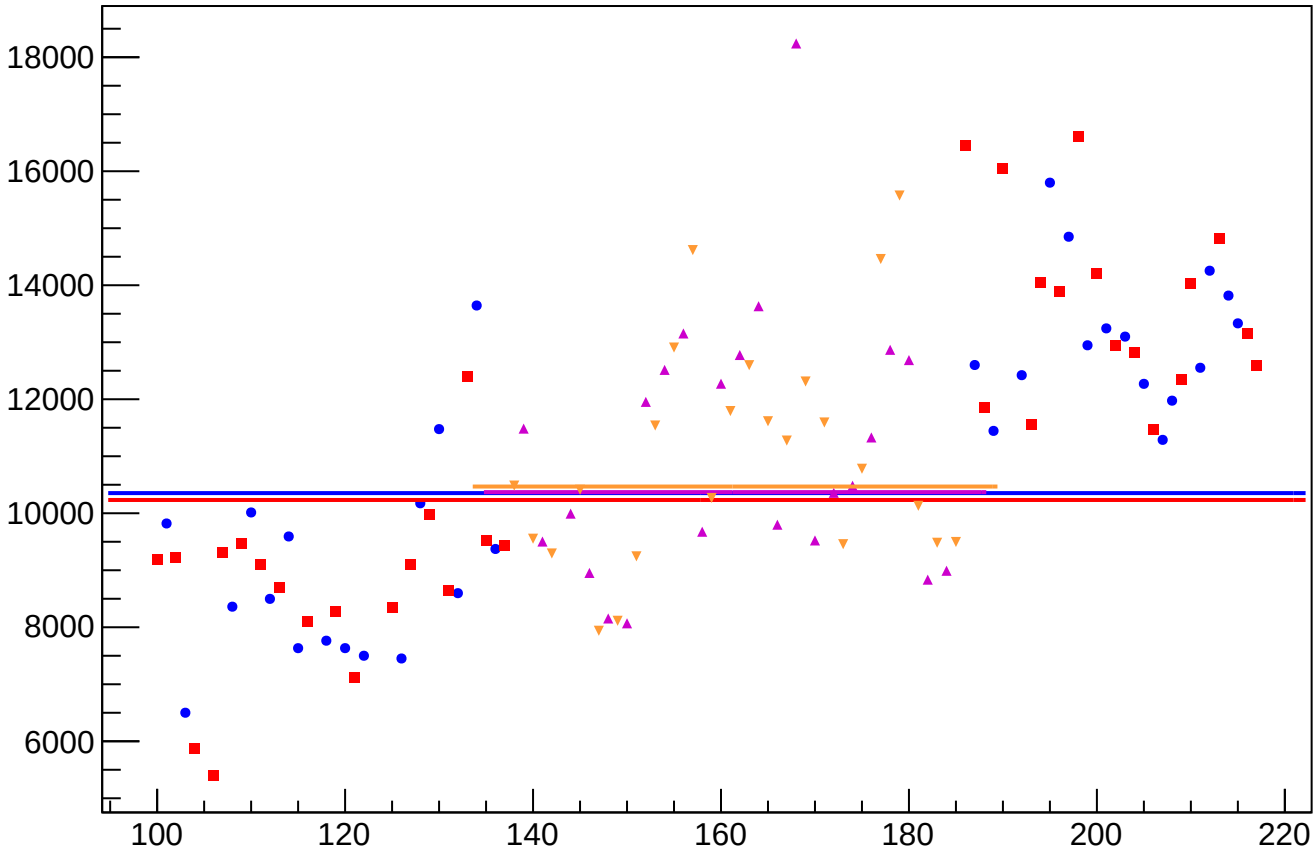
Right Out: 762.308+/-2372.858 χ^2/NDF: 44.1/33

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

\+ sign -322.686+/-1738.535 χ^2/NDF: 64.7/54

All: 87.012+/-1219.689 χ^2/NDF: 122.7/111

\- sign 484.106+/-1711.582 χ^2/NDF: 57.9/56



Right In: 10353.579+/-1.723 χ^2/NDF: 2235691.1/30

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

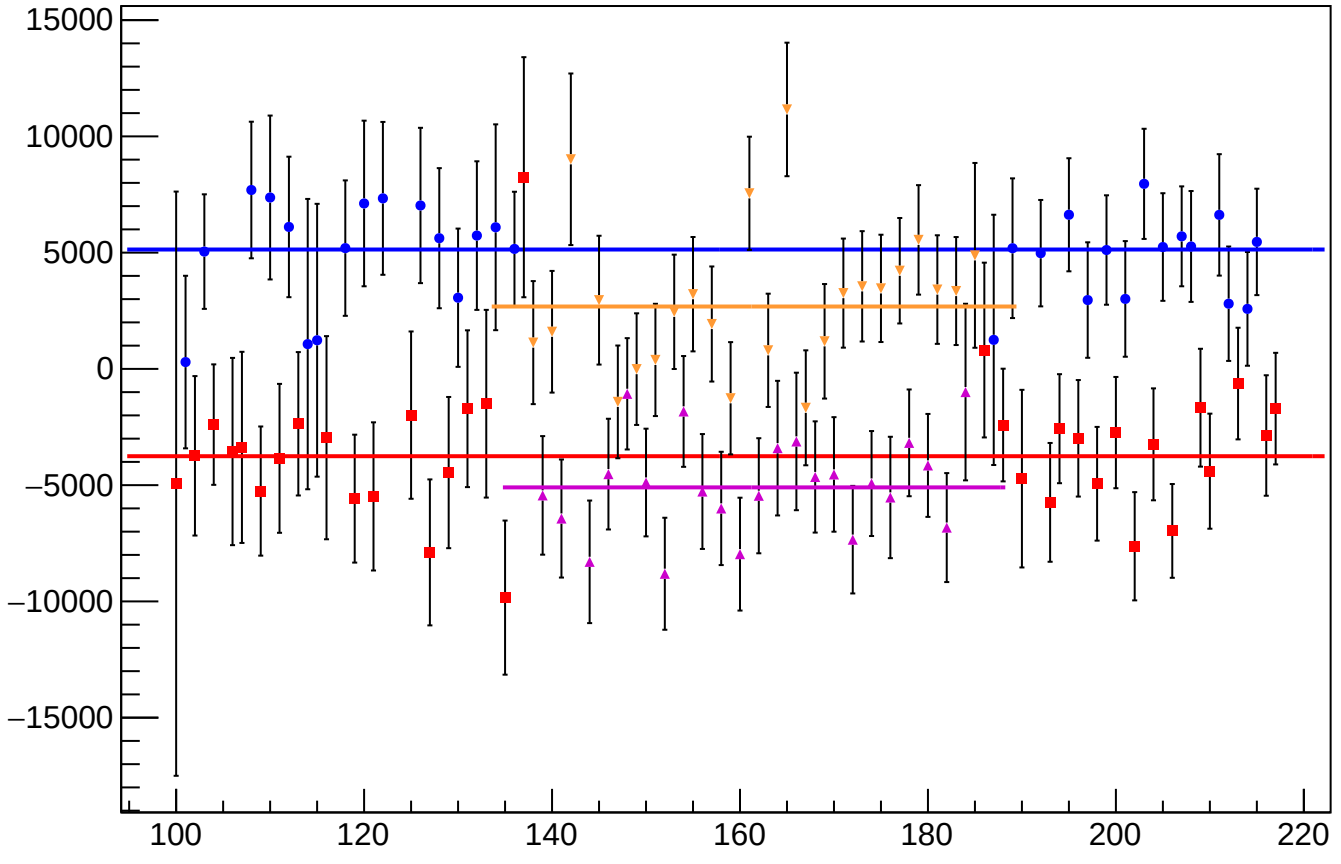
Right Out: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10410.075+/-1.229 χ^2/NDF: 3283140.3/54

All: 10353.725+/-0.862 χ^2/NDF: 7457450.8/1

- sign 10299.109+/-1.210 χ^2/NDF: 4170172.9/56



Right In: 5134.227+/-503.026 χ^2/NDF: 11.7/30

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3754.963+/-494.351 χ^2/NDF: 24.9/33

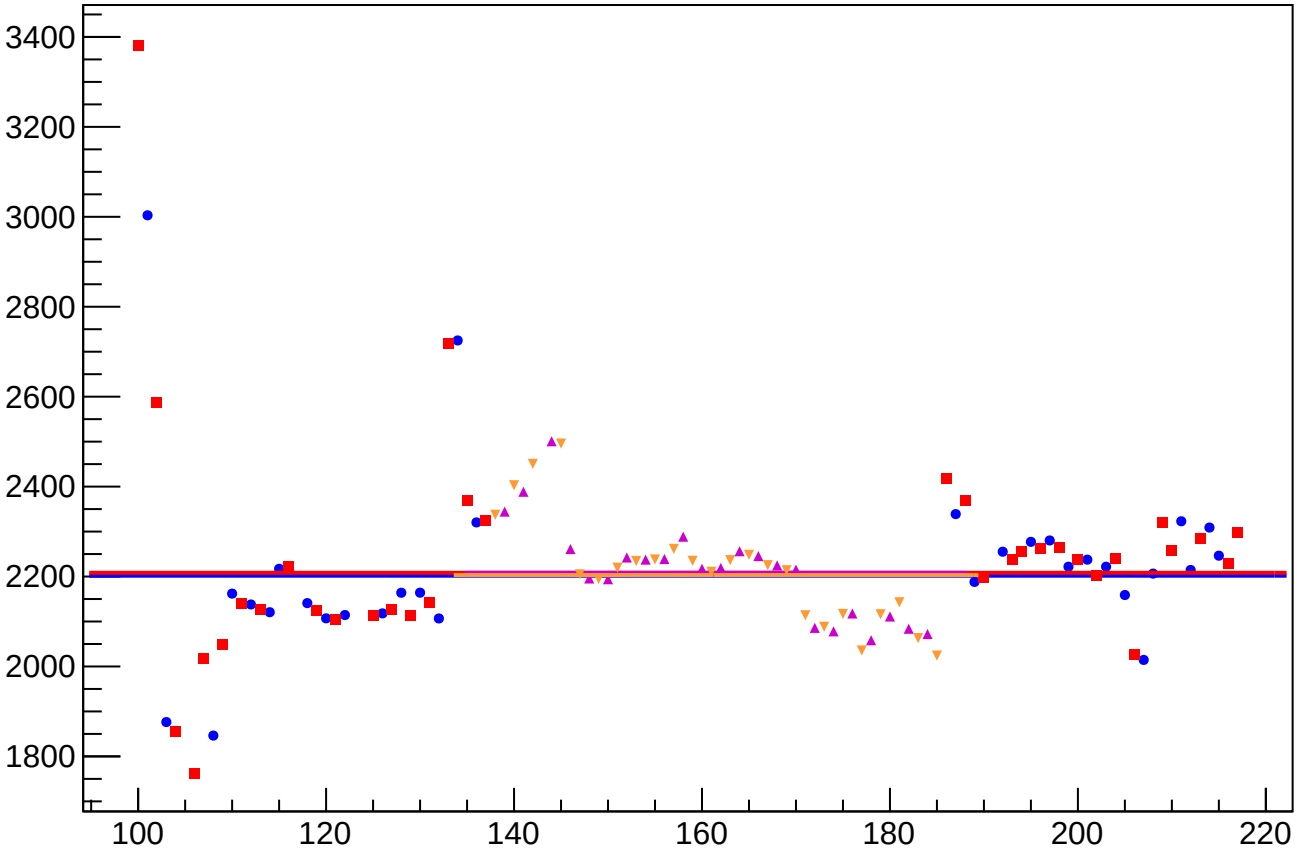
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3930.229+/-358.831 χ^2/NDF: 54.2/54

All: -253.981+/-253.097 χ^2/NDF: 368.2/111

- sign -4396.619+/-357.044 χ^2/NDF: 43.3/56

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2201.870+/-0.356 χ^2/NDF: 230849.5/30

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

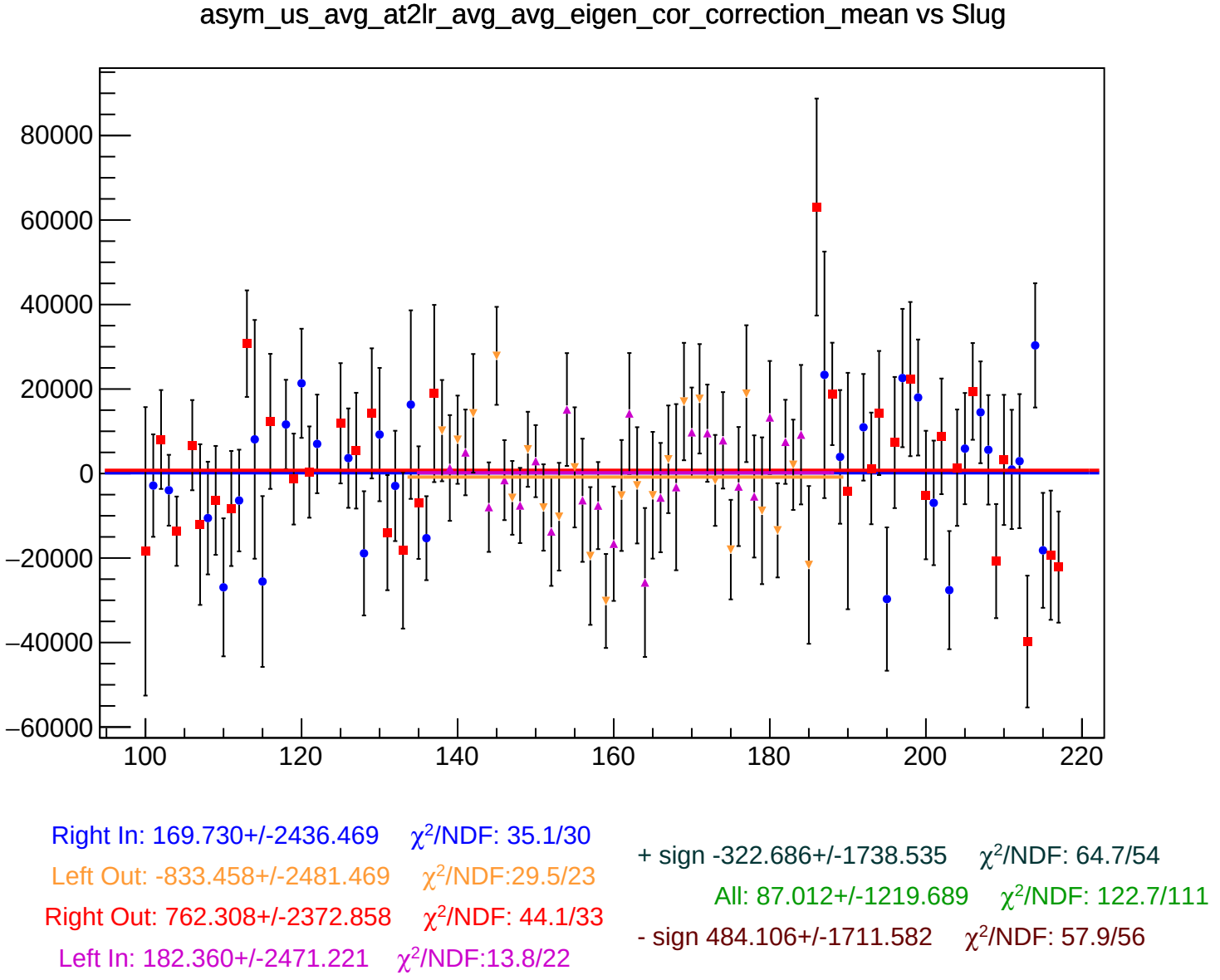
Right Out: 2208.359+/-0.349 χ^2/NDF: 213757.3/33

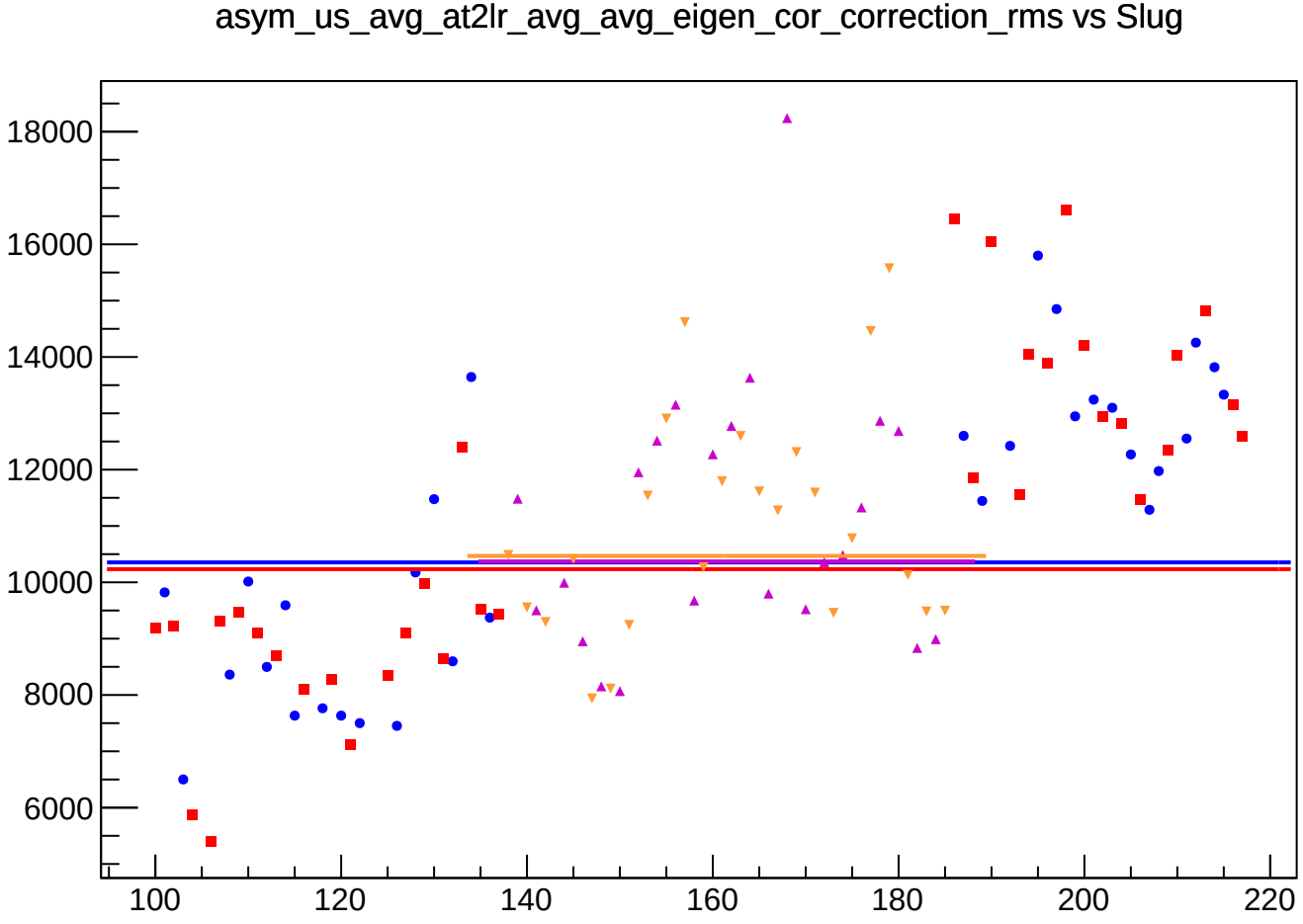
Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2202.571+/-0.254 χ^2/NDF: 319065.7/54

All: 2205.487+/-0.179 χ^2/NDF: 614080.0/111

- sign 2208.368+/-0.252 χ^2/NDF: 294751.7/56


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: 169.730+/-2436.469 χ²/NDF: 35.1/30
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: 762.308+/-2372.858 χ²/NDF: 44.1/33
Left In: 182.360+/-2471.221 χ²/NDF:13.8/22
+ sign -322.686+/-1738.535 χ²/NDF: 64.7/54
All: 87.012+/-1219.689 χ²/NDF: 122.7/111
- sign 484.106+/-1711.582 χ²/NDF: 57.9/56



Right In: 10353.579+/-1.723 χ^2/NDF: 2235691.1/30

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

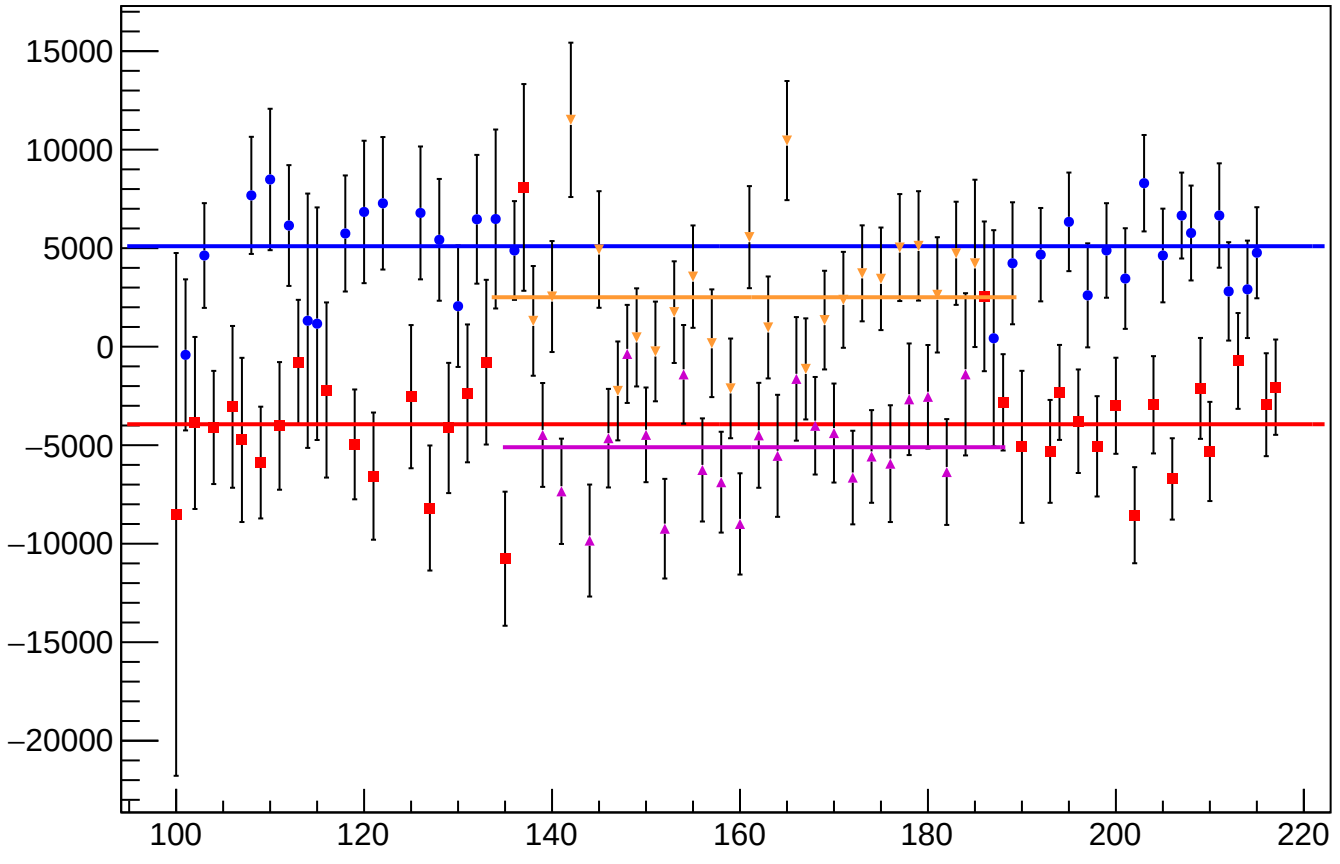
Right Out: 10232.932+/-1.678 χ^2/NDF: 2963166.2/33

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10410.075+/-1.229 χ^2/NDF: 3283140.3/54

All: 10353.725+/-0.862 χ^2/NDF: 7457450.8/1

- sign 10299.109+/-1.210 χ^2/NDF: 4170172.9/56



Right In: 5099.256+/-515.366 χ^2/NDF: 13.6/30

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3936.550+/-508.127 χ^2/NDF: 27.8/33

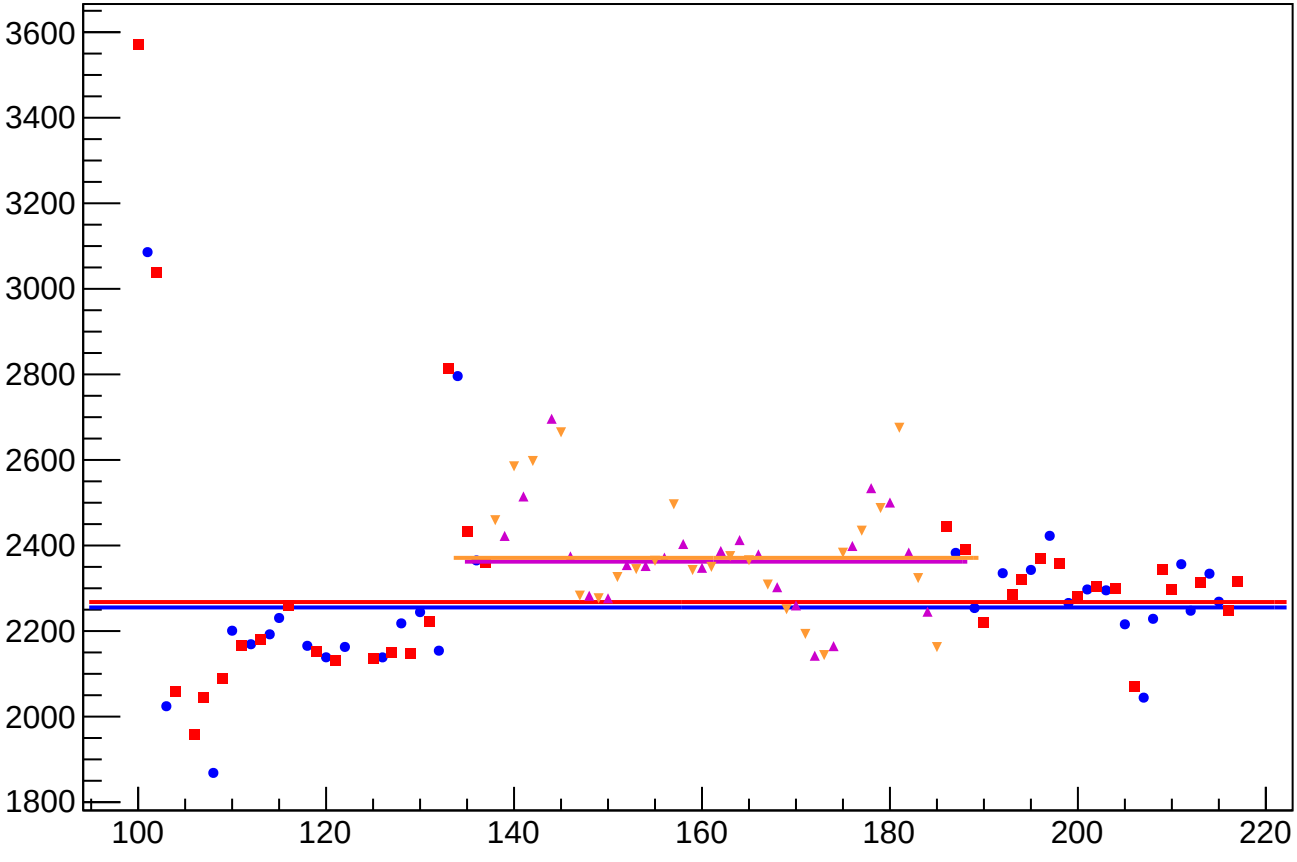
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3891.982+/-376.578 χ^2/NDF: 55.2/54

All: -317.872+/-265.375 χ^2/NDF: 353.5/111

- sign -4470.970+/-374.030 χ^2/NDF: 50.1/56

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2255.205+/-0.364 χ^2/NDF: 226893.1/30

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

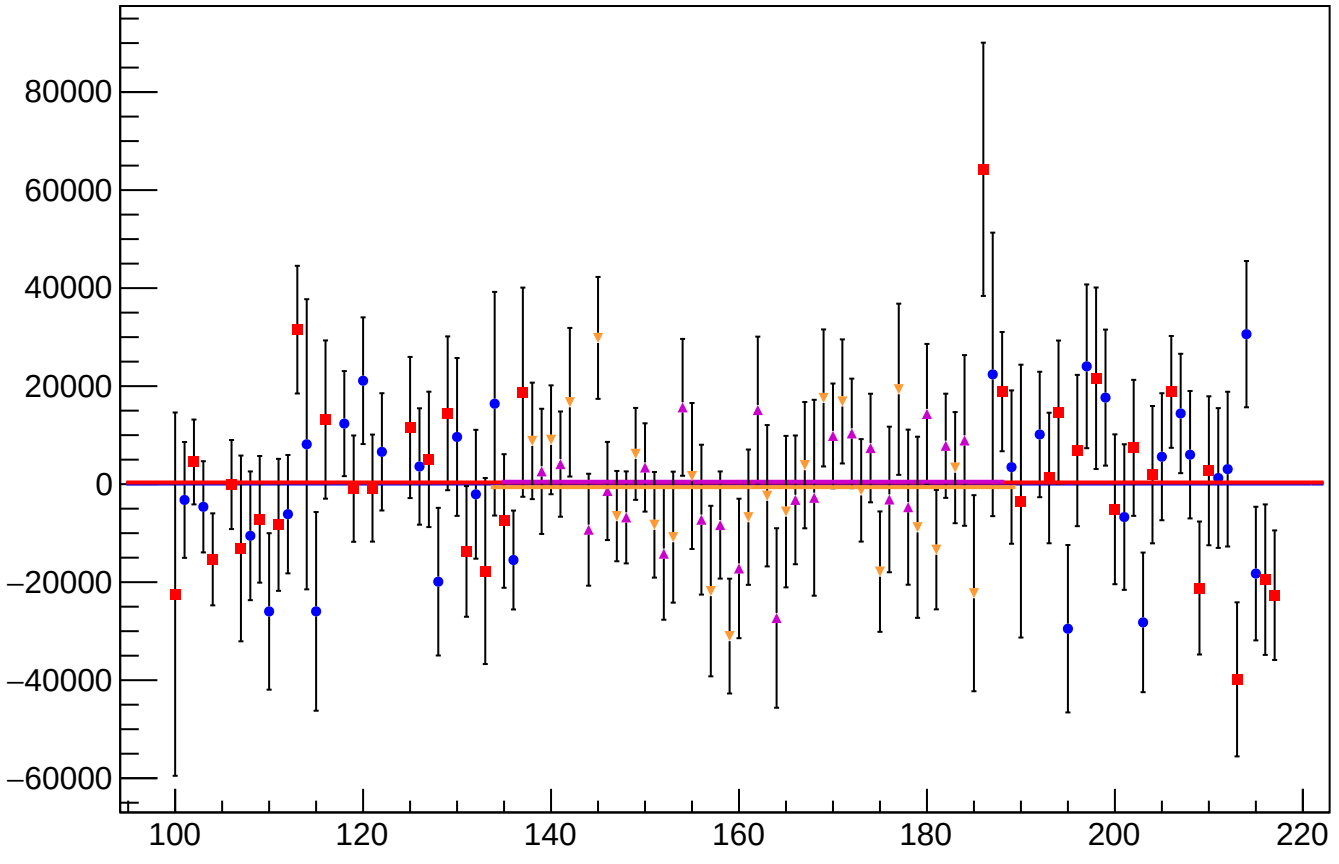
Right Out: 2267.841+/-0.359 χ^2/NDF: 215183.3/33

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2309.238+/-0.266 χ^2/NDF: 390359.5/54

All: 2310.160+/-0.188 χ^2/NDF: 729081.1/111

- sign 2311.070+/-0.264 χ^2/NDF: 338697.8/56



Right In: 129.293+/-2470.166 χ^2/NDF: 34.9/30

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

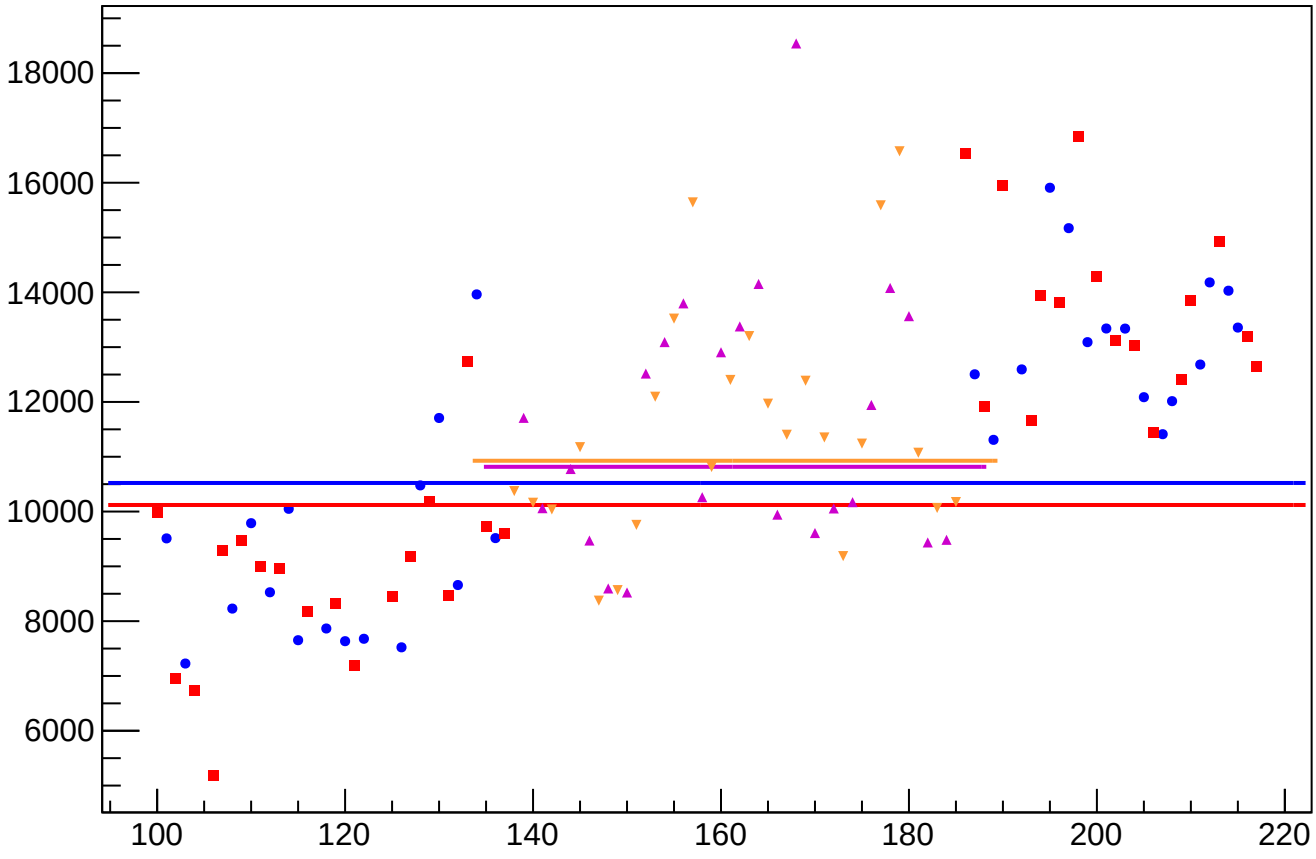
Right Out: 342.156+/-2347.006 χ^2/NDF: 43.4/33

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -222.049+/-1787.508 χ^2/NDF: 63.8/54

All: 102.934+/-1245.081 χ^2/NDF: 120.8/111

- sign 409.201+/-1735.274 χ^2/NDF: 56.9/56



Right In: 10521.589+/-1.747 χ^2/NDF: 2061185.5/30

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

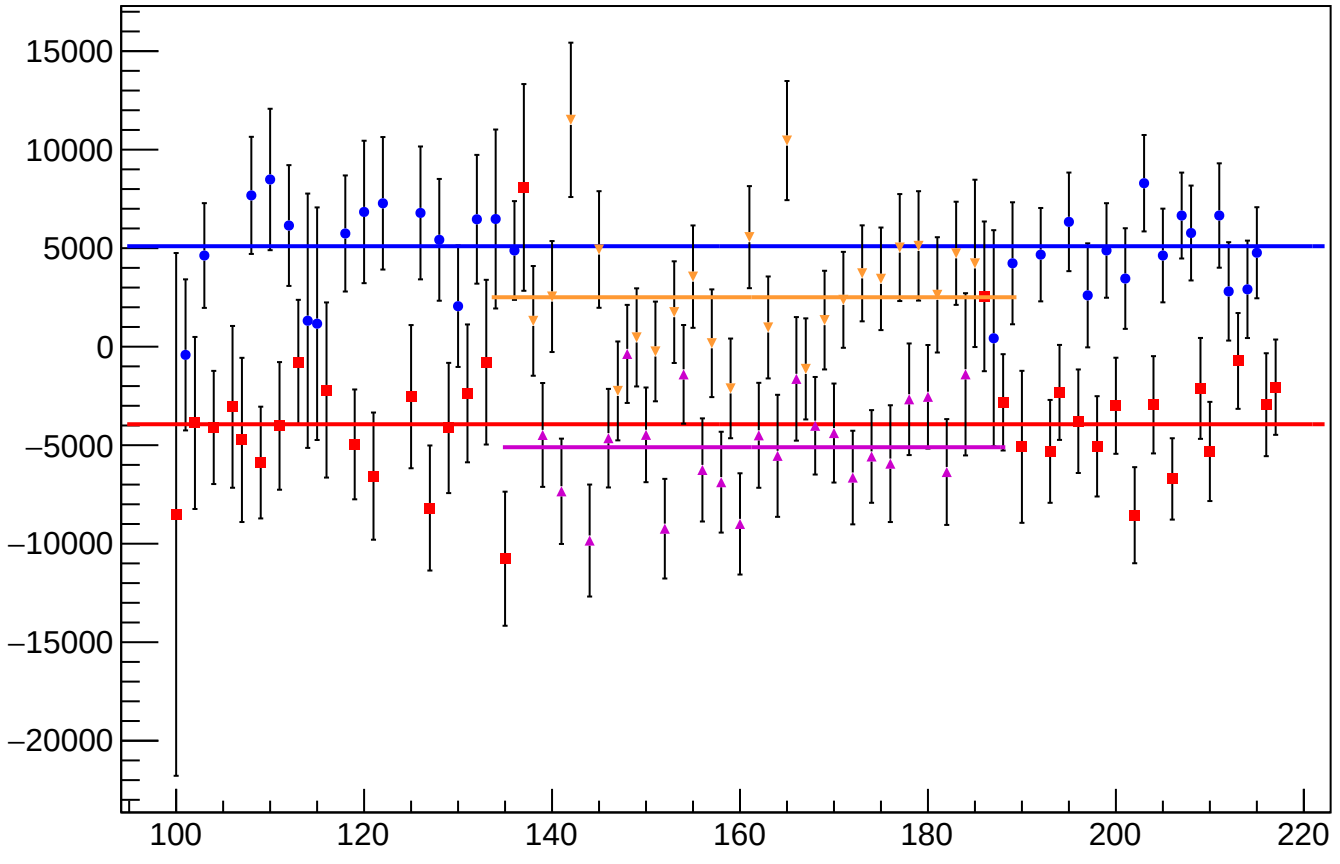
Right Out: 10119.789+/-1.660 χ^2/NDF: 3160726.6/33

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10714.639+/-1.264 χ^2/NDF: 3144161.1/54

All: 10570.964+/-0.880 χ^2/NDF: 7606664.4/1

- sign 10435.563+/-1.227 χ^2/NDF: 4437405.4/56



Right In: 5099.251+/-515.366 χ^2/NDF: 13.6/30

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3936.550+/-508.127 χ^2/NDF: 27.8/33

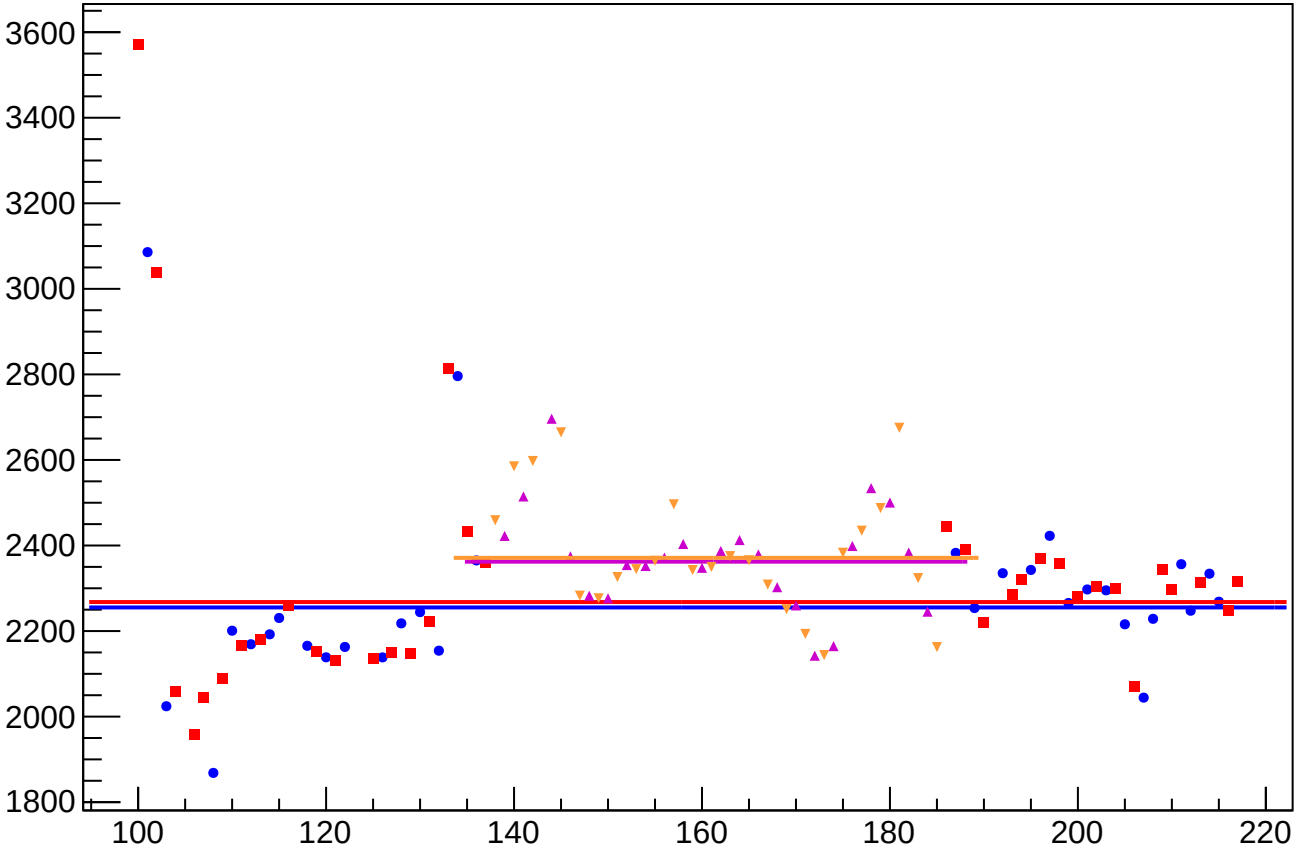
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3891.975+/-376.578 χ^2/NDF: 55.2/54

All: -317.875+/-265.376 χ^2/NDF: 353.5/111

- sign -4470.971+/-374.031 χ^2/NDF: 50.1/56

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2255.204+/-0.364 χ^2/NDF: 226893.4/30

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

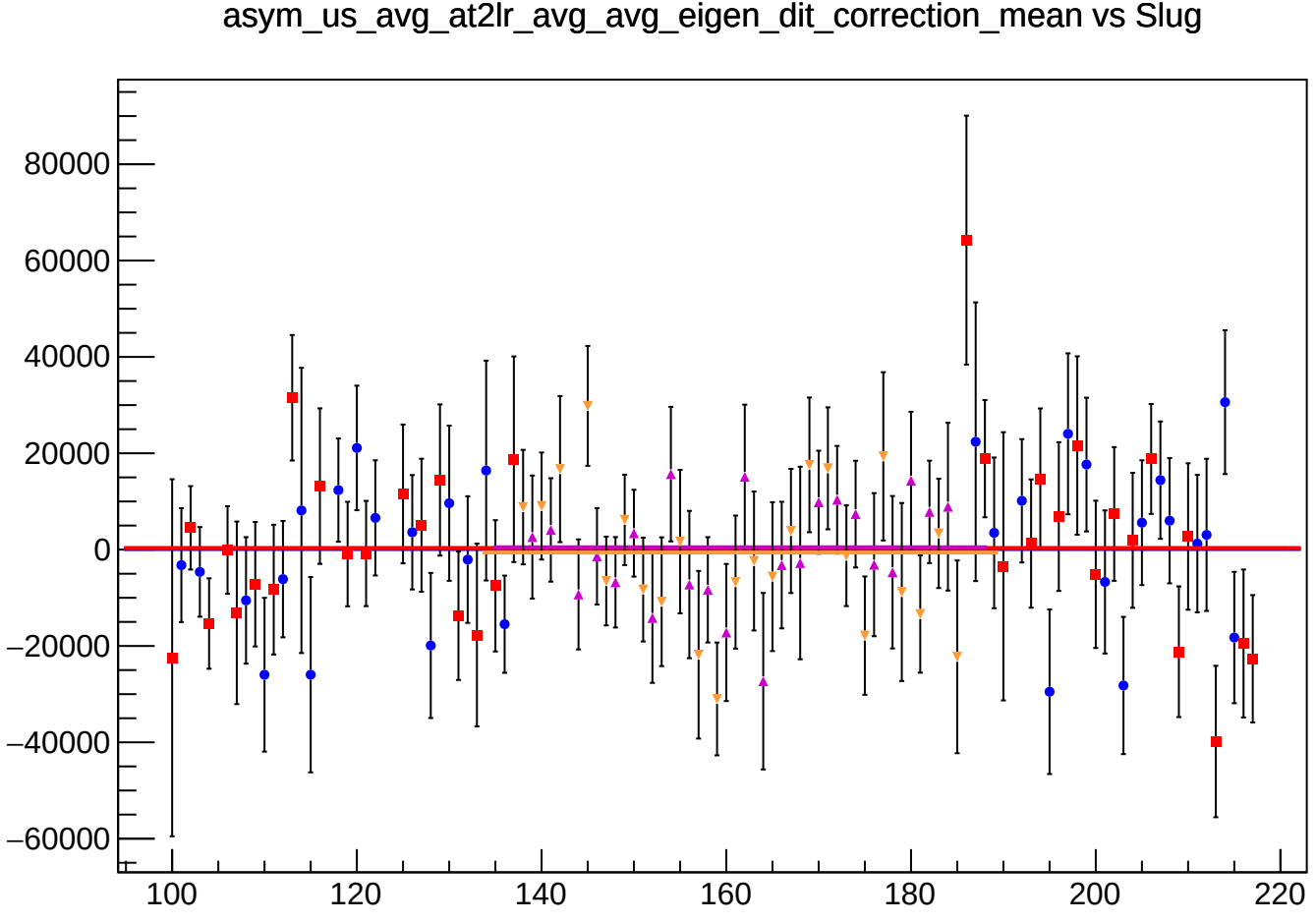
Right Out: 2267.840+/-0.359 χ^2/NDF: 215183.8/33

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2309.239+/-0.266 χ^2/NDF: 390366.9/54

All: 2310.162+/-0.188 χ^2/NDF: 729095.8/111

- sign 2311.072+/-0.264 χ^2/NDF: 338705.1/56



Right In: 129.298+/-2470.165 χ^2/NDF: 34.9/30

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

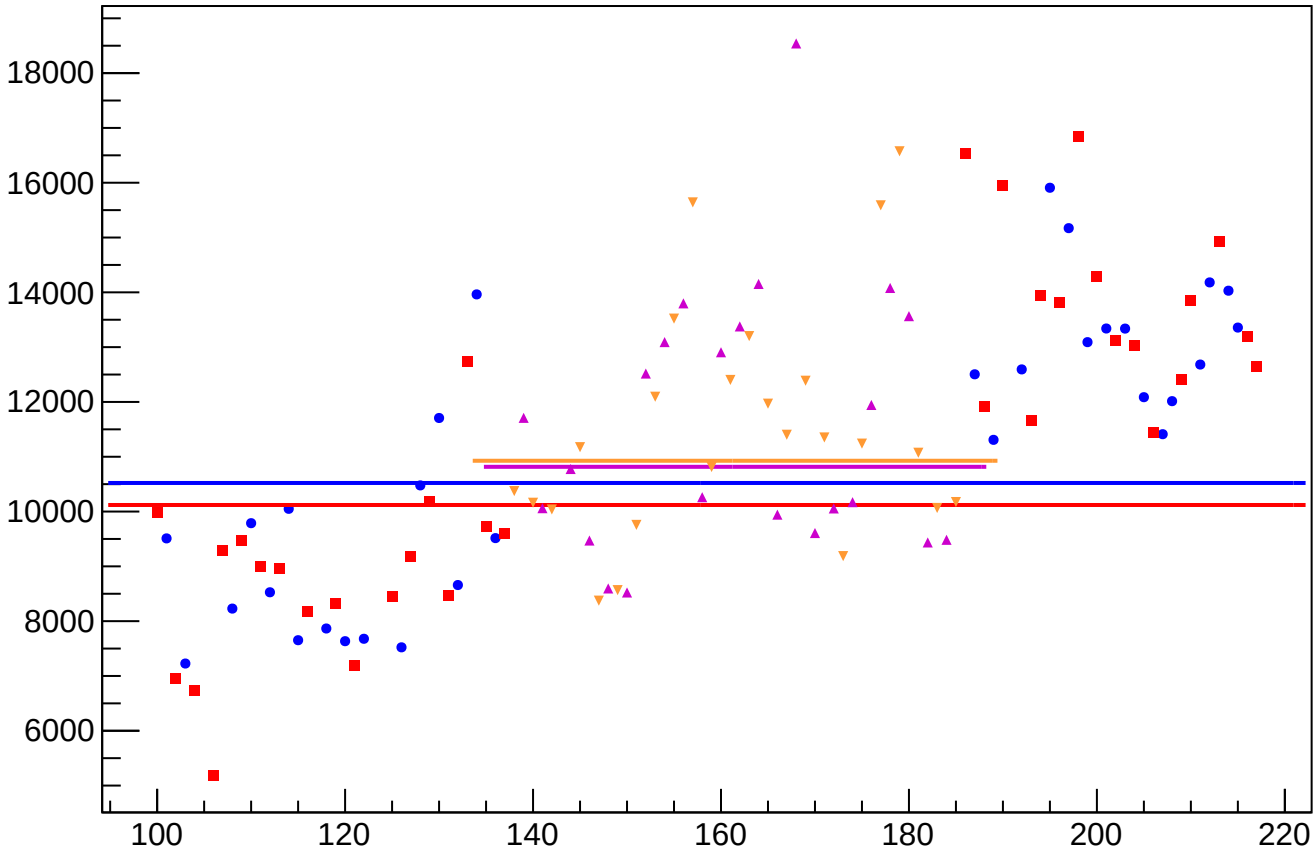
Right Out: 342.148+/-2347.004 χ^2/NDF: 43.4/33

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -222.049+/-1787.509 χ^2/NDF: 63.8/54

All: 102.932+/-1245.081 χ^2/NDF: 120.8/111

- sign 409.198+/-1735.275 χ^2/NDF: 56.9/56



Right In: 10521.578+/-1.747 χ^2/NDF: 2061219.0/30

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10119.777+/-1.660 χ^2/NDF: 3160755.9/33

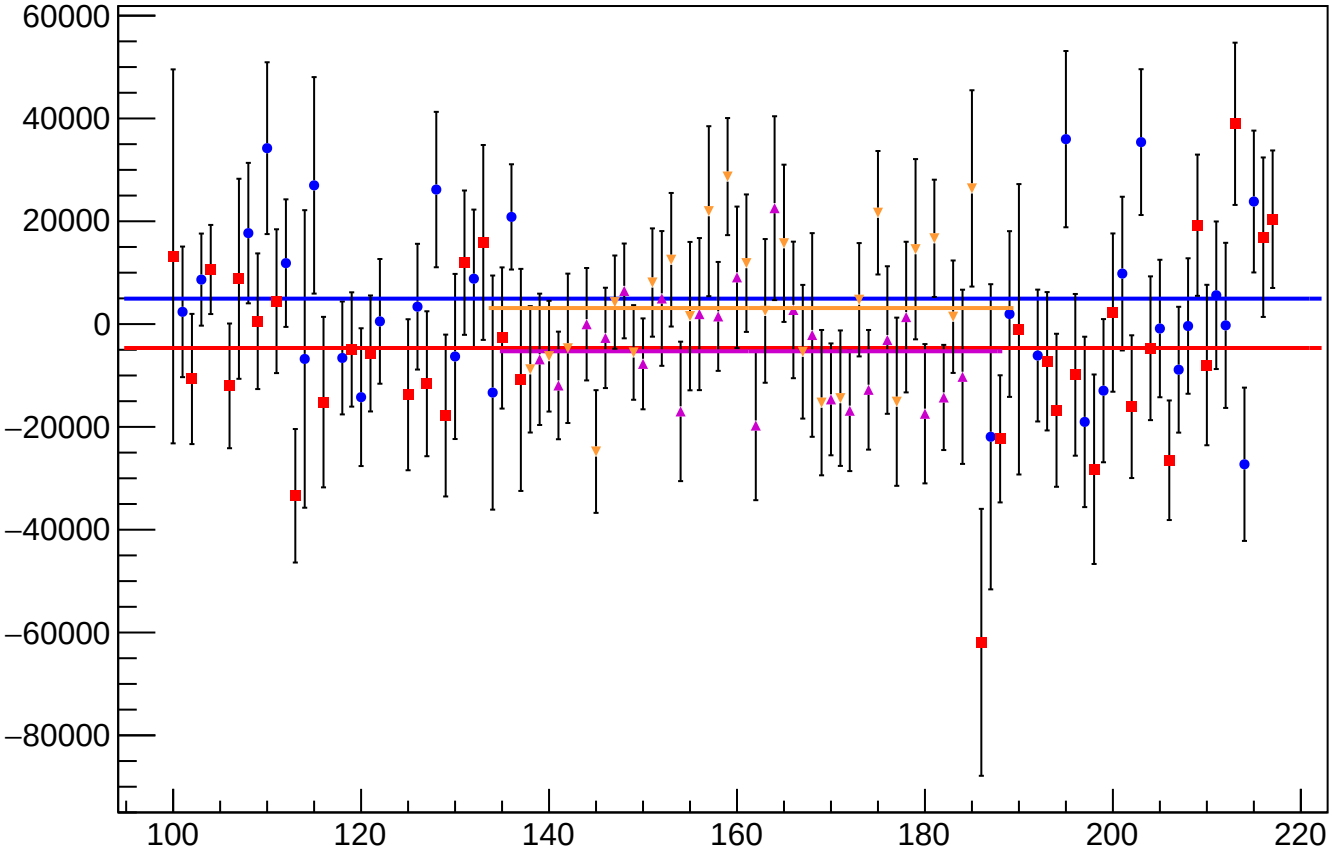
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10714.641+/-1.264 χ^2/NDF: 3144200.5/54

All: 10570.965+/-0.880 χ^2/NDF: 7606743.7/1

- sign 10435.563+/-1.227 χ^2/NDF: 4437444.8/56

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4949.175+/-2505.131 χ^2/NDF: 36.2/30

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4650.415+/-2450.890 χ^2/NDF: 44.2/33

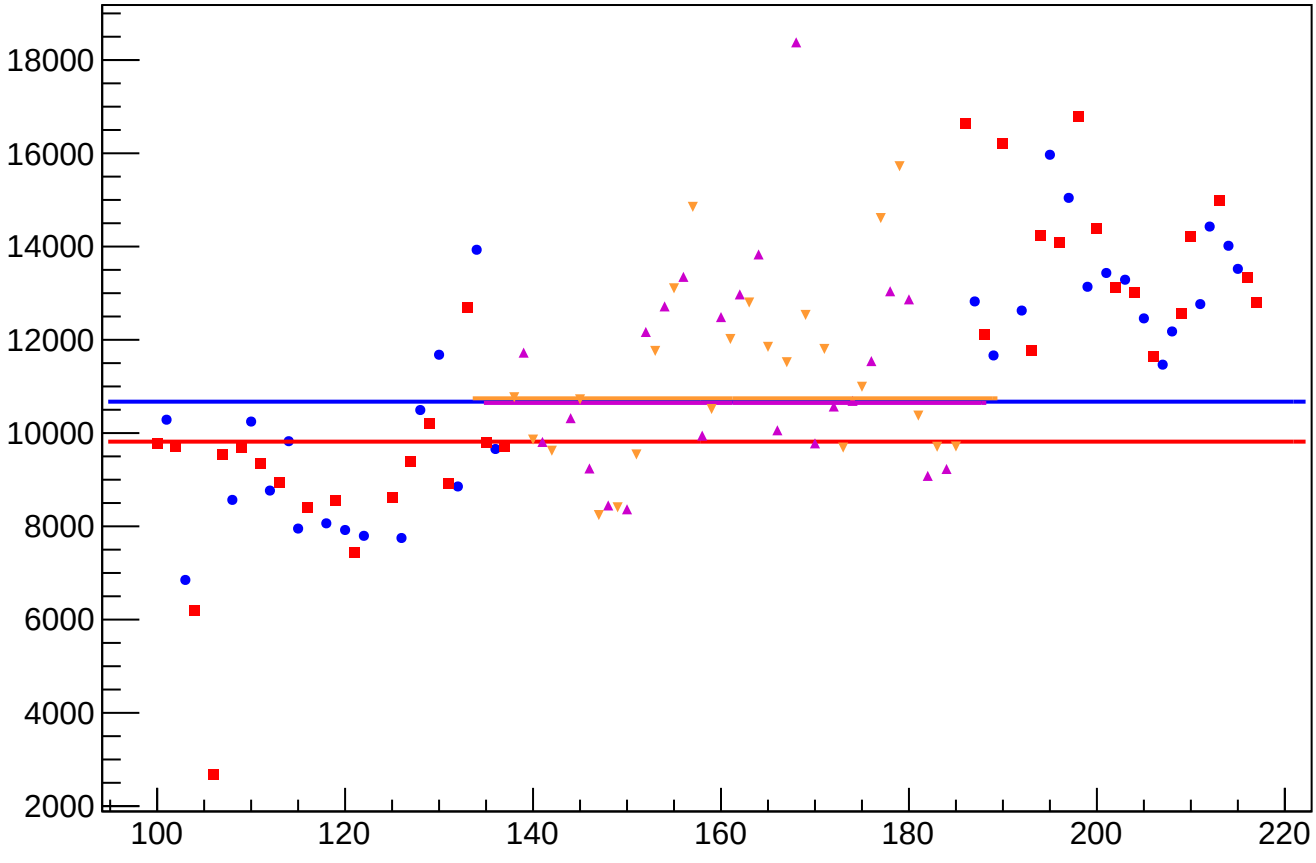
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4047.843+/-1784.583 χ^2/NDF: 63.9/54

All: -515.100+/-1253.597 χ^2/NDF: 134.4/111

- sign -4960.021+/-1761.352 χ^2/NDF: 57.6/56

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10673.638+/-1.771 χ^2/NDF: 2027538.9/30

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

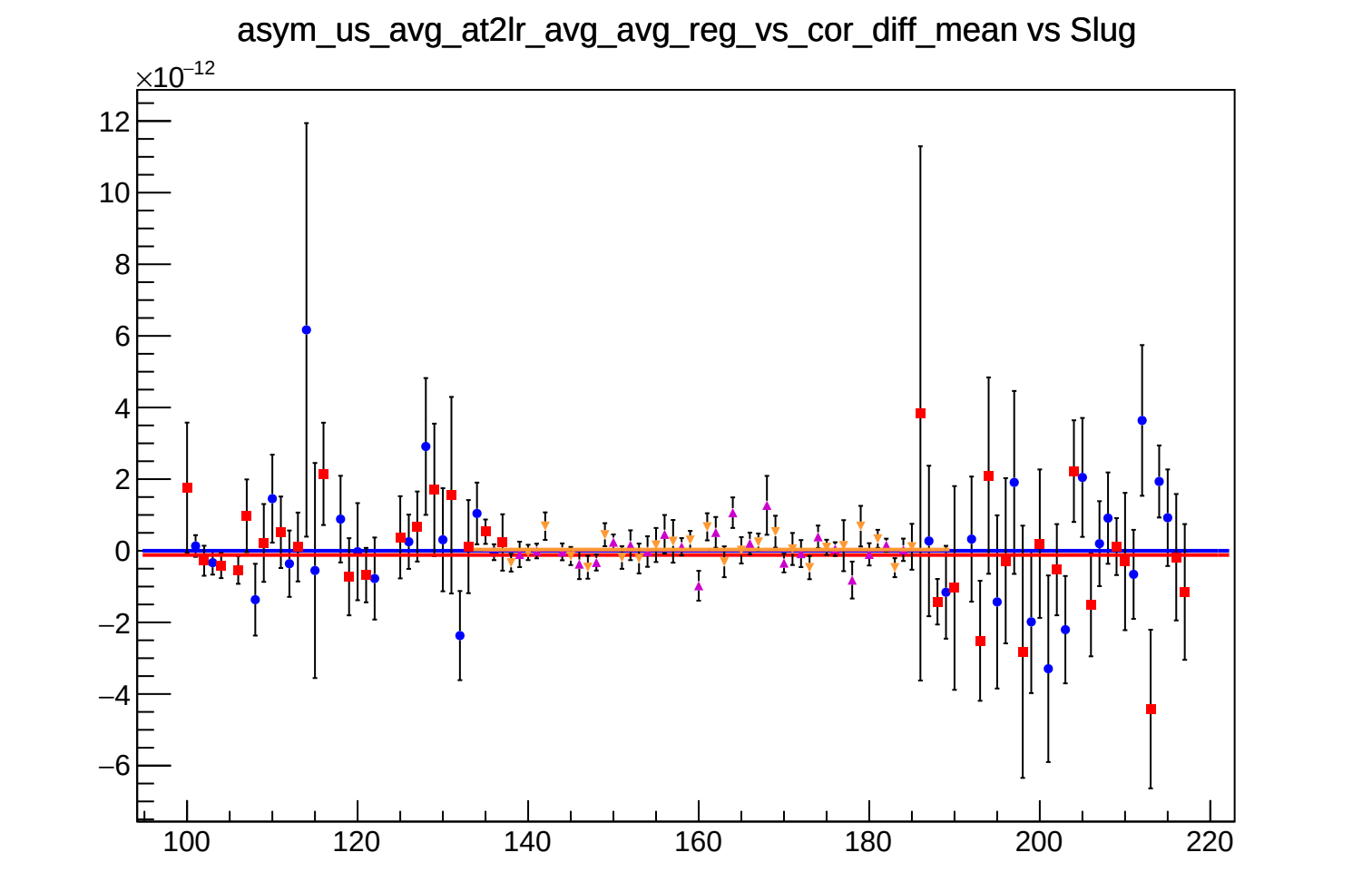
Right Out: 9816.387+/-1.659 χ^2/NDF: 4874048.0/33

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10708.949+/-1.262 χ^2/NDF: 2992963.8/54

All: 10445.047+/-0.876 χ^2/NDF: 9181121.1/1

- sign 10199.600+/-1.217 χ^2/NDF: 6103742.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

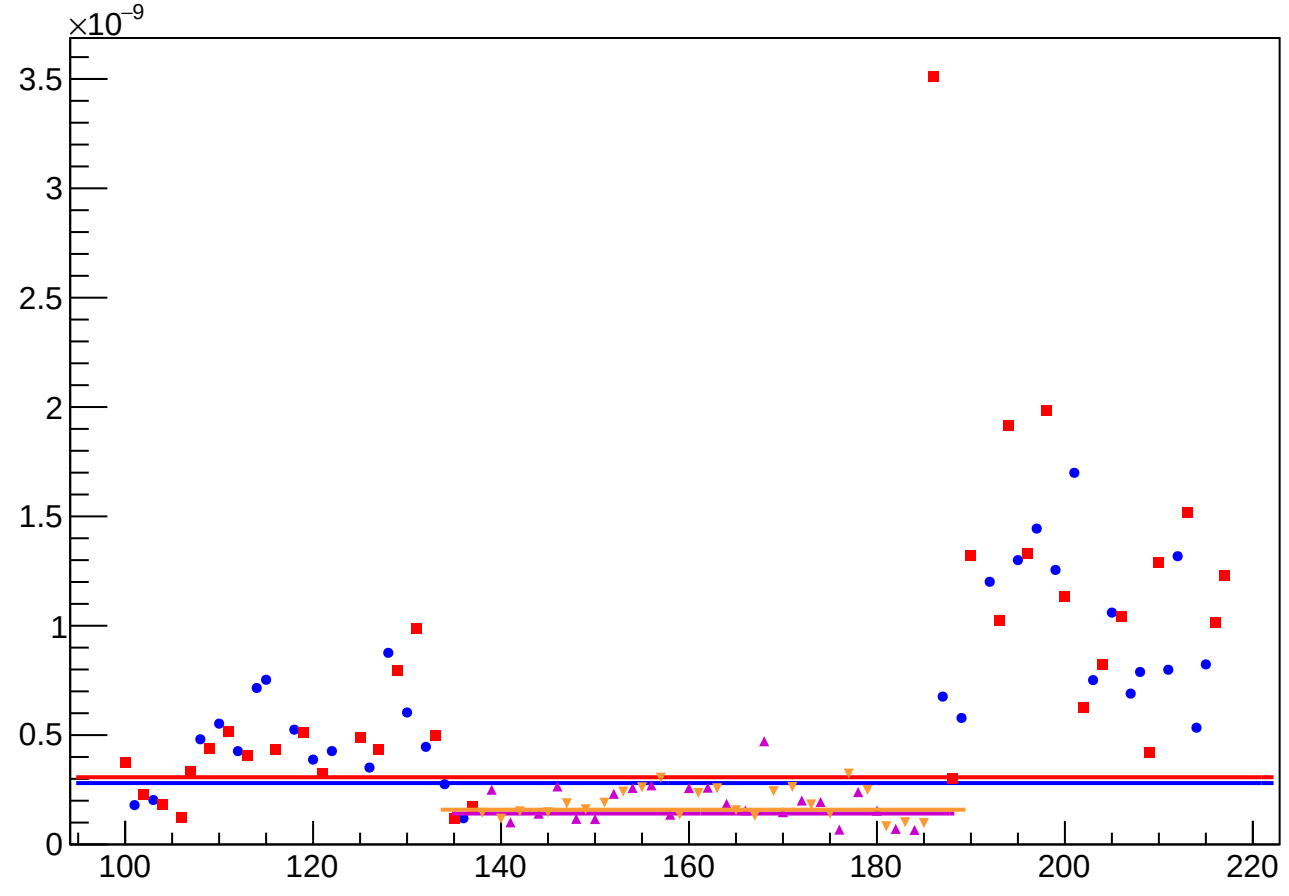
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/33

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.7/54

All: 0.000+/-0.000 χ^2/NDF: 115.6/111

- sign 0.000+/-0.000 χ^2/NDF: 58.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 7202183.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

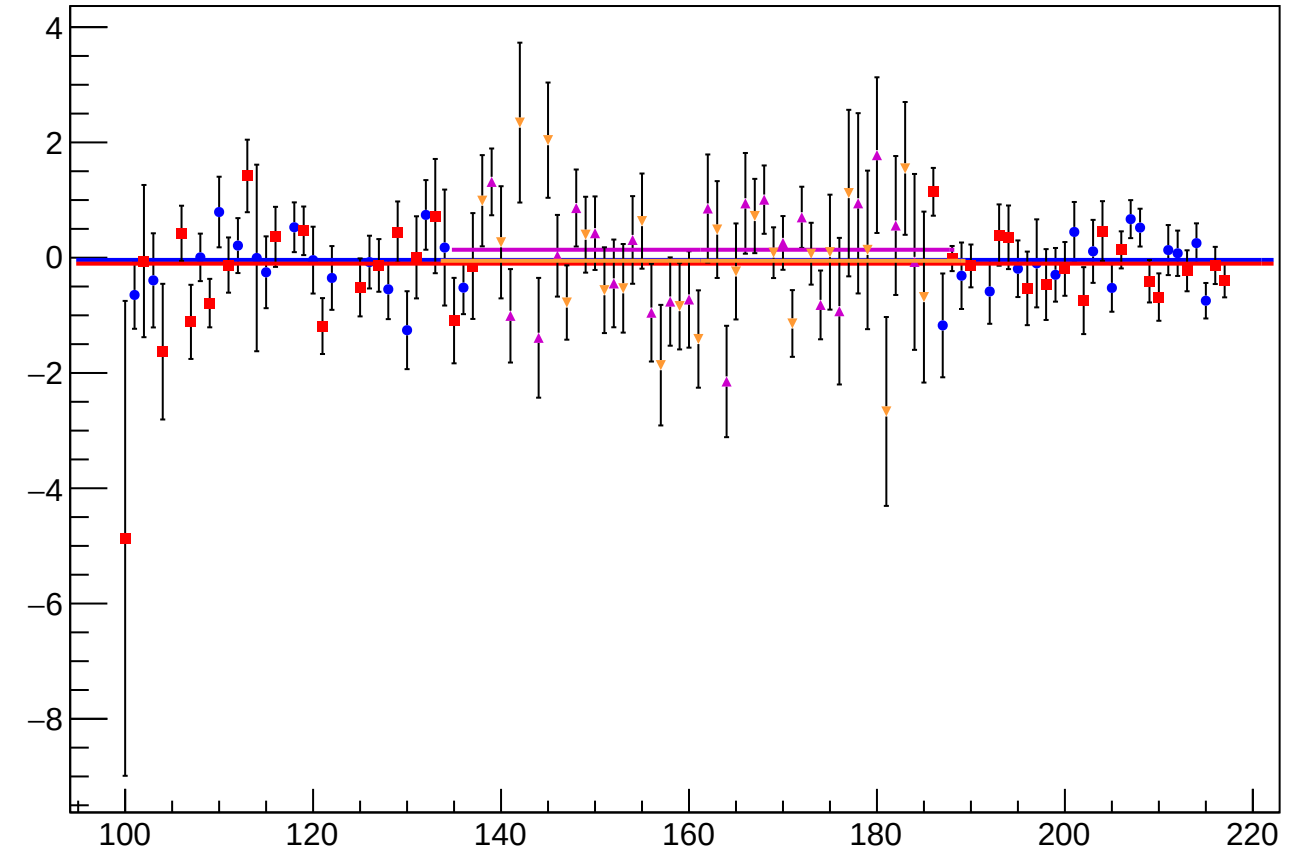
Right Out: 0.000+/-0.000 χ^2/NDF: 7766491.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9842160.0/54

All: 0.000+/-0.000 χ^2/NDF: 22357994.0/111

- sign 0.000+/-0.000 χ^2/NDF: 12438607.1/56



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

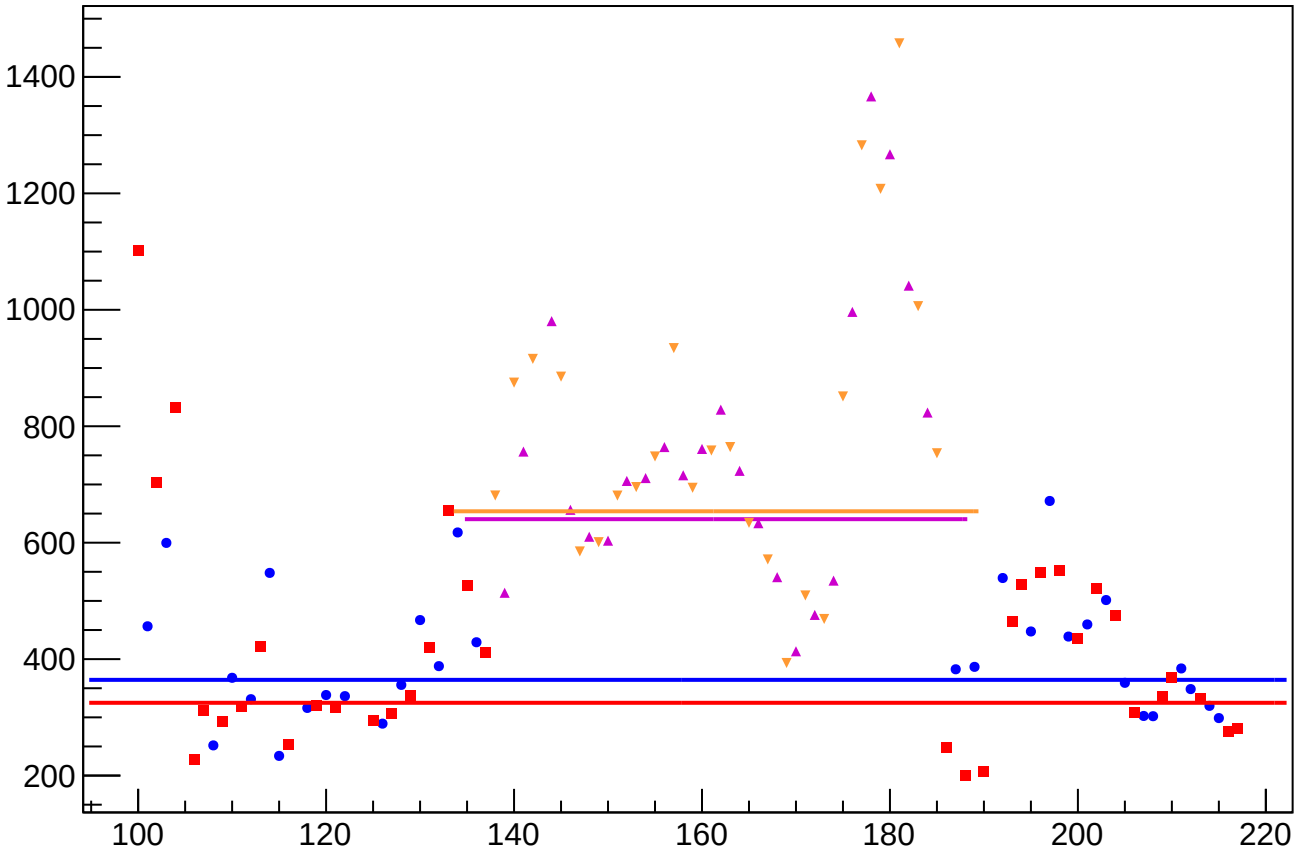
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.077 χ^2/NDF: 62.0/54

All: -0.049+/-0.052 χ^2/NDF: 139.2/111

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 364.407+/-0.062 χ^2/NDF: 1890909.1/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

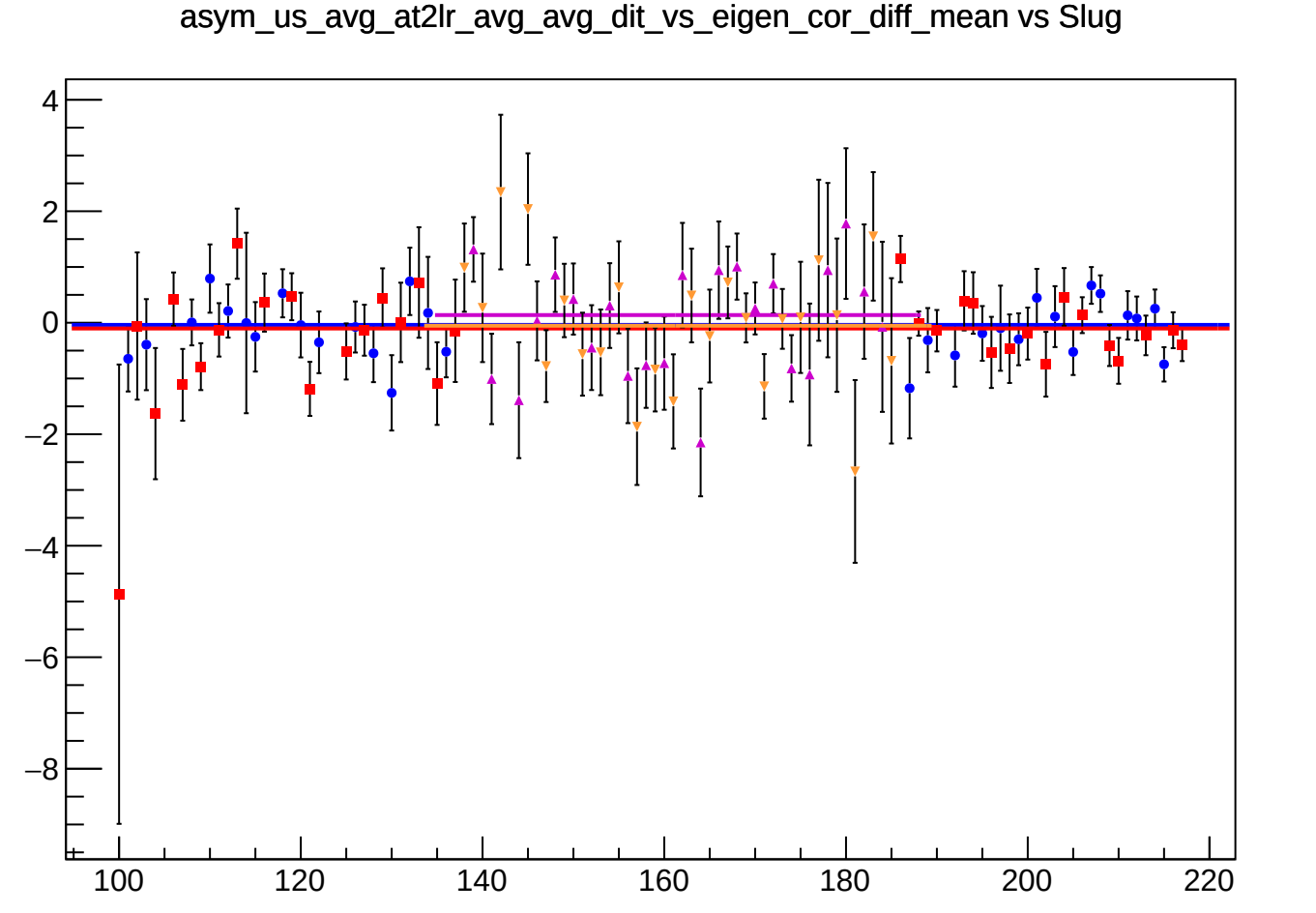
Right Out: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 429.990+/-0.054 χ^2/NDF: 9997695.6/54

All: 407.005+/-0.037 χ^2/NDF: 23082332.8/11

- sign 387.692+/-0.050 χ^2/NDF: 12754820.6/56



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

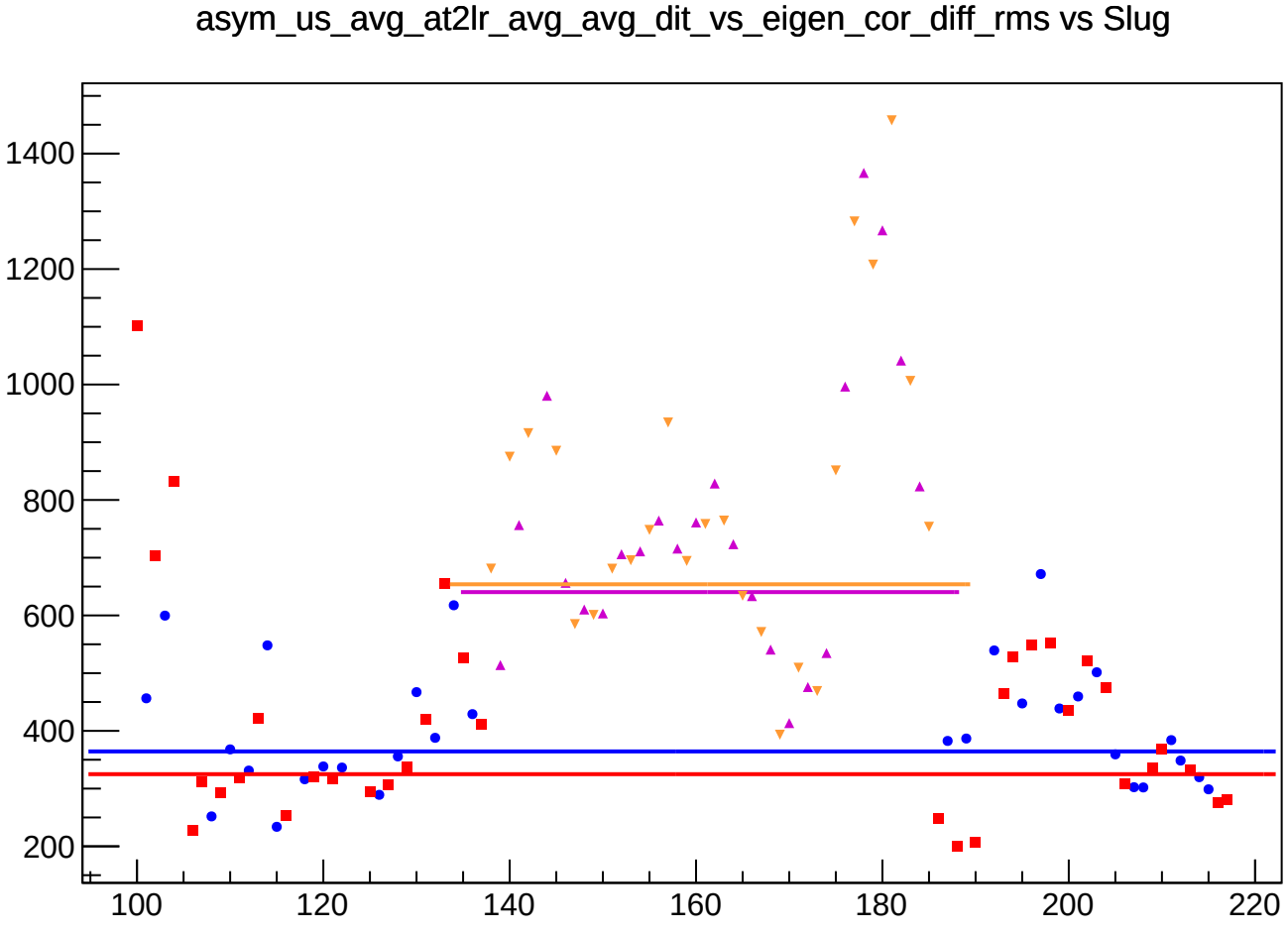
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.077 χ^2/NDF: 62.0/54

All: -0.049+/-0.052 χ^2/NDF: 139.2/111

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 364.407+/-0.062 χ^2/NDF: 1890909.1/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

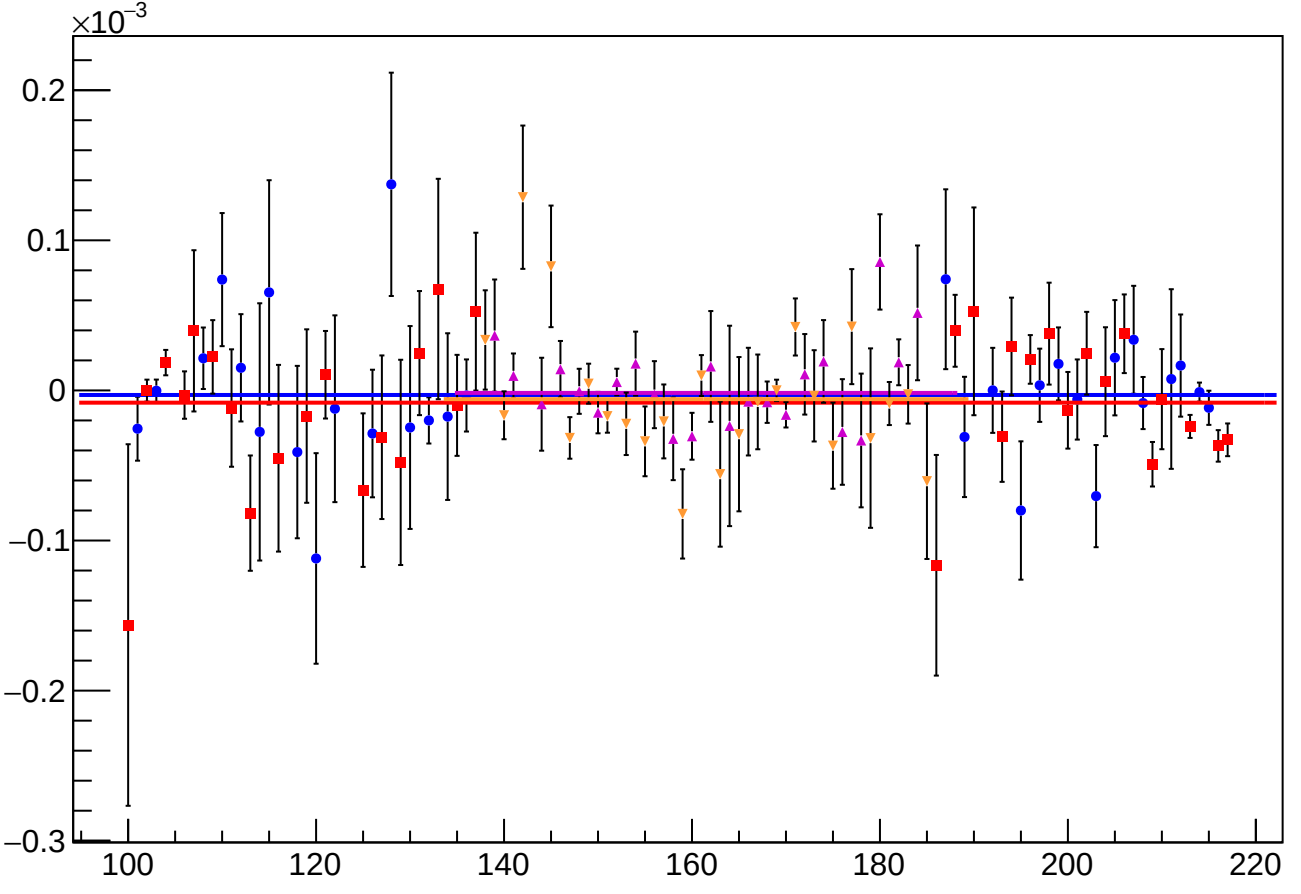
Right Out: 325.001+/-0.056 χ^2/NDF: 3710809.8/33

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 429.990+/-0.054 χ^2/NDF: 9997695.6/54

All: 407.005+/-0.037 χ^2/NDF: 23082332.8/11

- sign 387.692+/-0.050 χ^2/NDF: 12754820.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

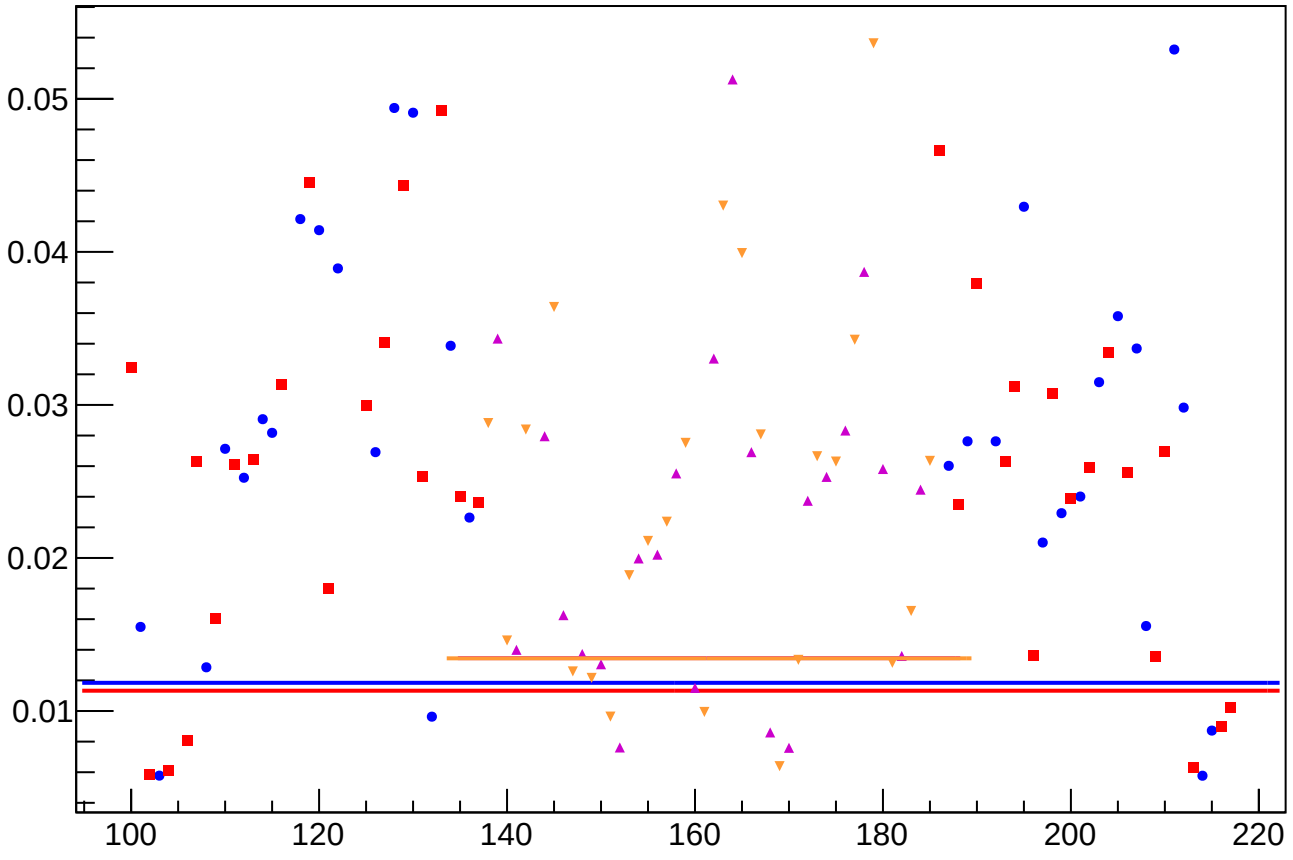
Right Out: -0.000+/-0.000 χ^2/NDF: 67.5/33

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.2/54

All: -0.000+/-0.000 χ^2/NDF: 165.2/111

- sign -0.000+/-0.000 χ^2/NDF: 94.9/56



Right In: 0.012+/-0.000 χ^2/NDF: 14354154.3/30

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

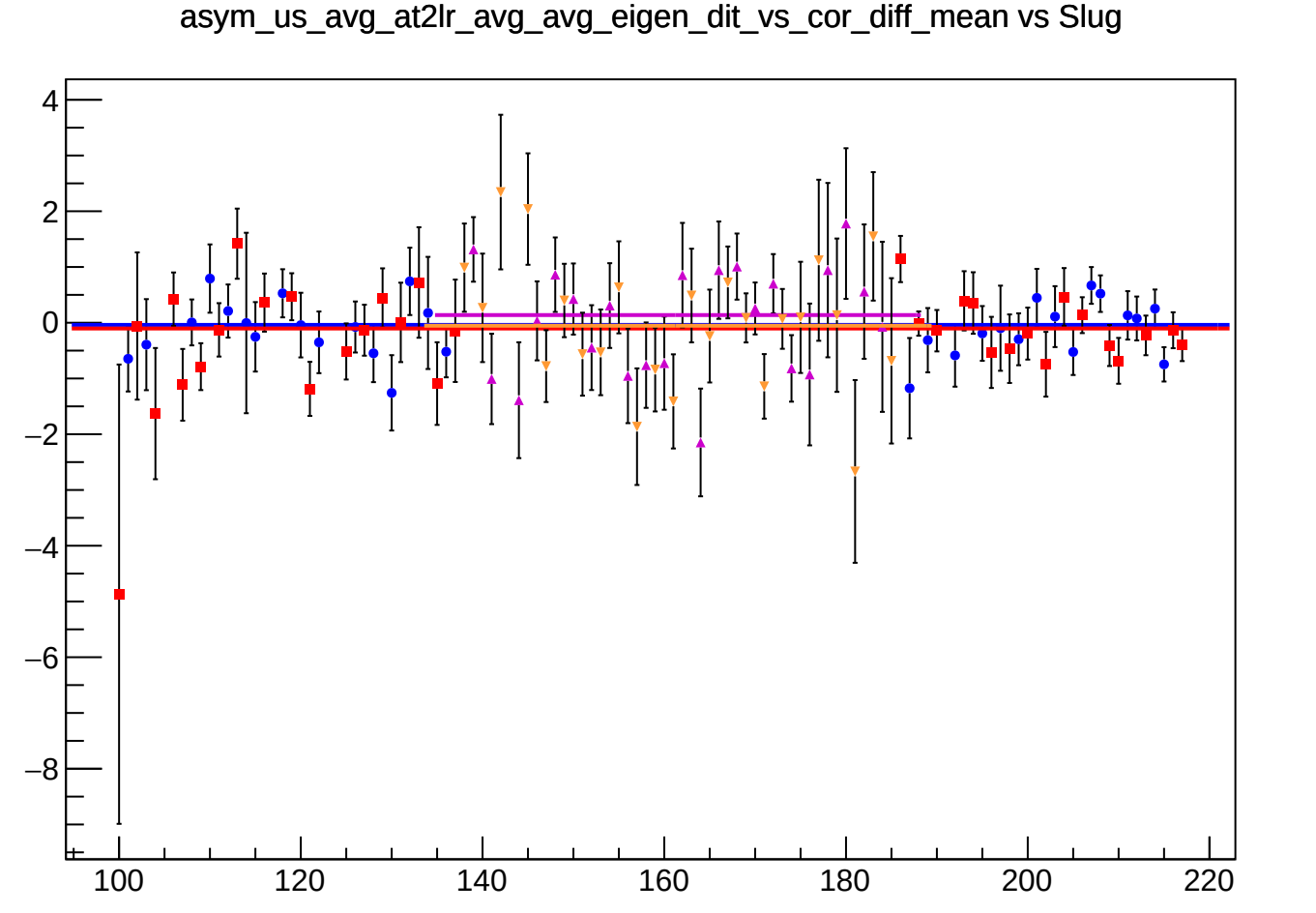
Right Out: 0.011+/-0.000 χ^2/NDF: 13106362.7/33

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 23404222.1/54

All: 0.012+/-0.000 χ^2/NDF: 44459677.6/111

- sign 0.012+/-0.000 χ^2/NDF: 21031736.8/56



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

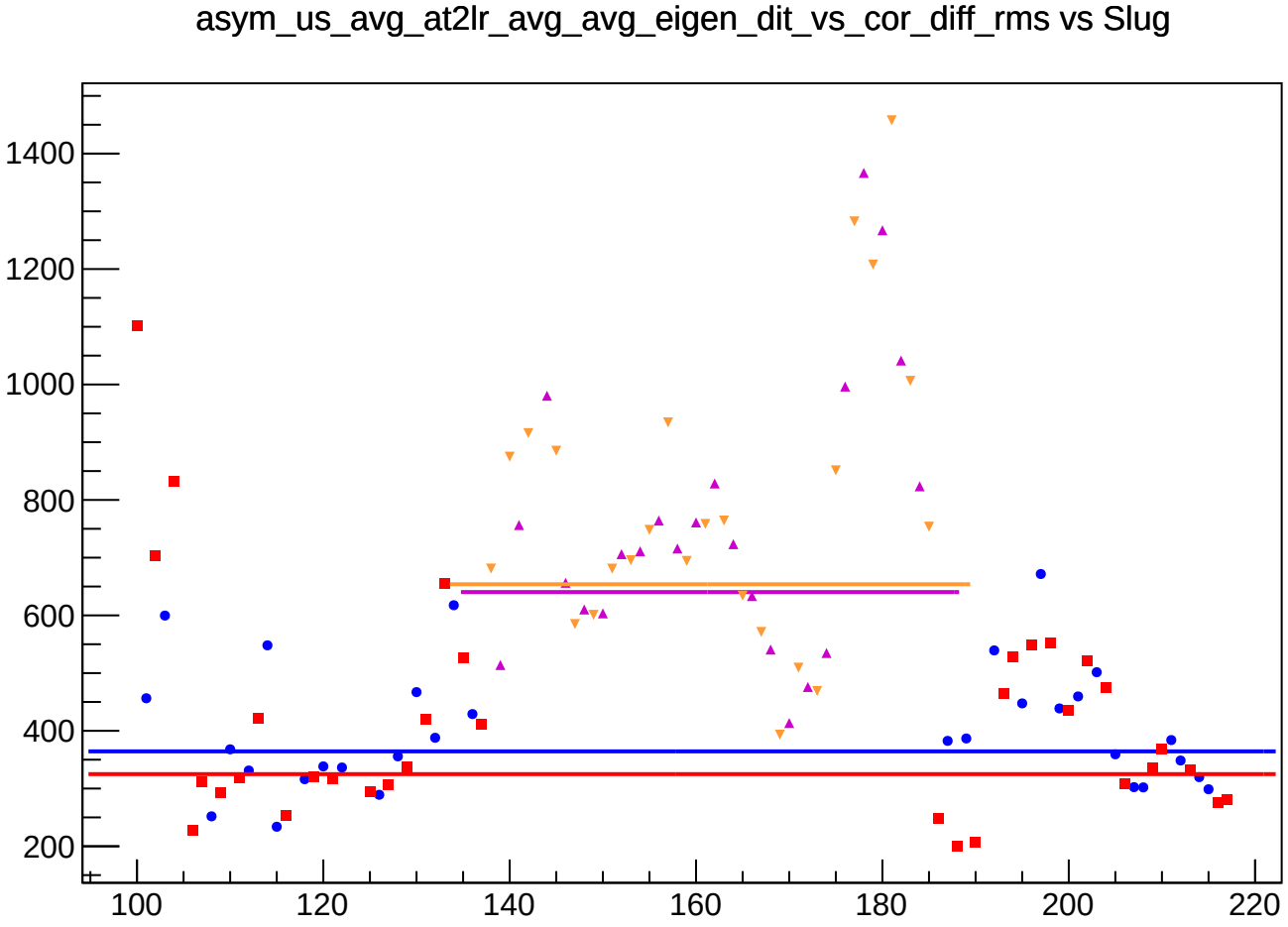
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.077 χ^2/NDF: 62.0/54

All: -0.049+/-0.052 χ^2/NDF: 139.2/111

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 364.407+/-0.062 χ^2/NDF: 1890902.6/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

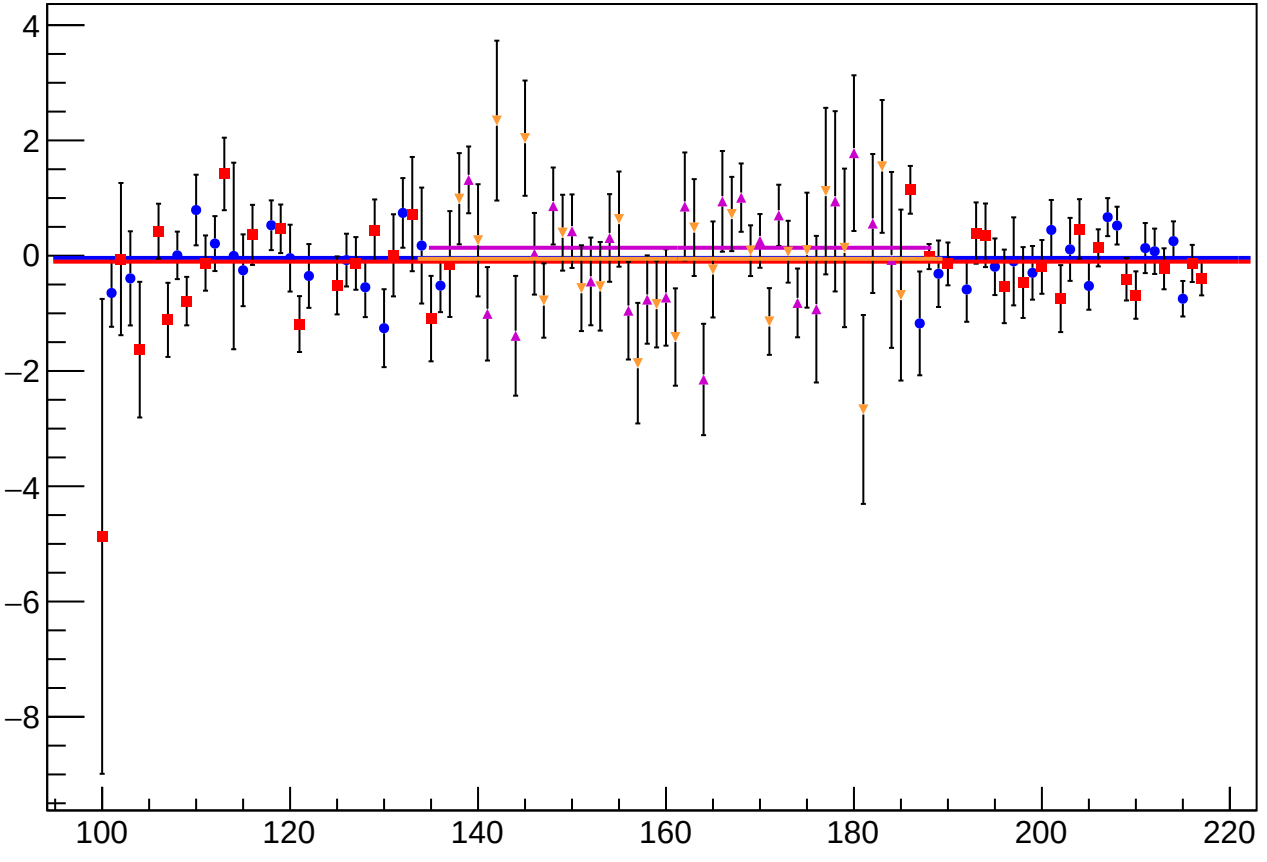
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 429.990+/-0.054 χ^2/NDF: 9997898.7/54

All: 407.002+/-0.037 χ^2/NDF: 23083188.4/11

- sign 387.688+/-0.050 χ^2/NDF: 12755406.7/56

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.087 χ^2/NDF: 31.9/30

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

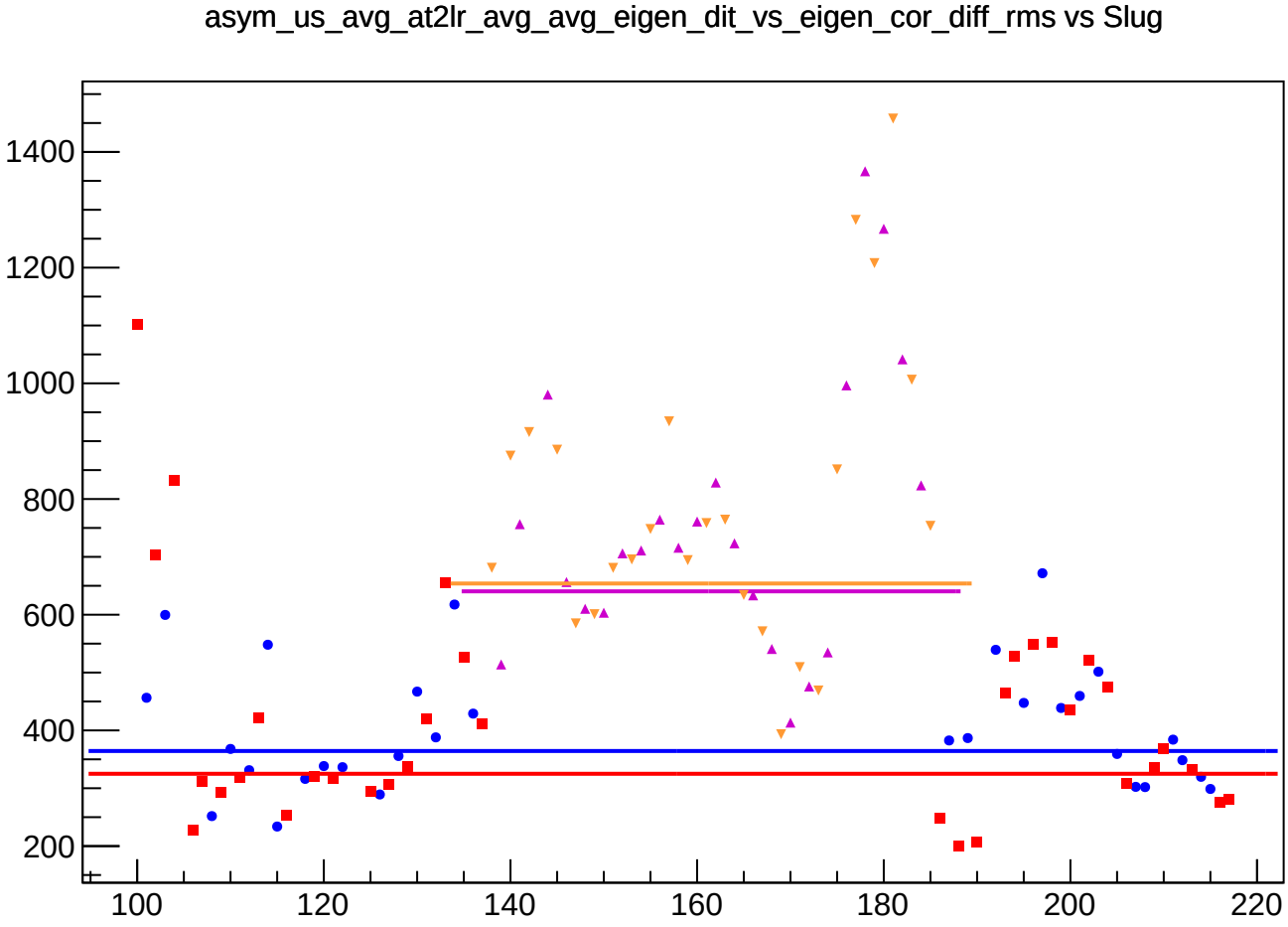
Right Out: -0.103+/-0.079 χ^2/NDF: 45.4/33

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.077 χ^2/NDF: 62.0/54

All: -0.049+/-0.052 χ^2/NDF: 139.2/111

- sign -0.056+/-0.070 χ^2/NDF: 77.2/56



Right In: 364.407+/-0.062 χ^2/NDF: 1890902.6/30

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

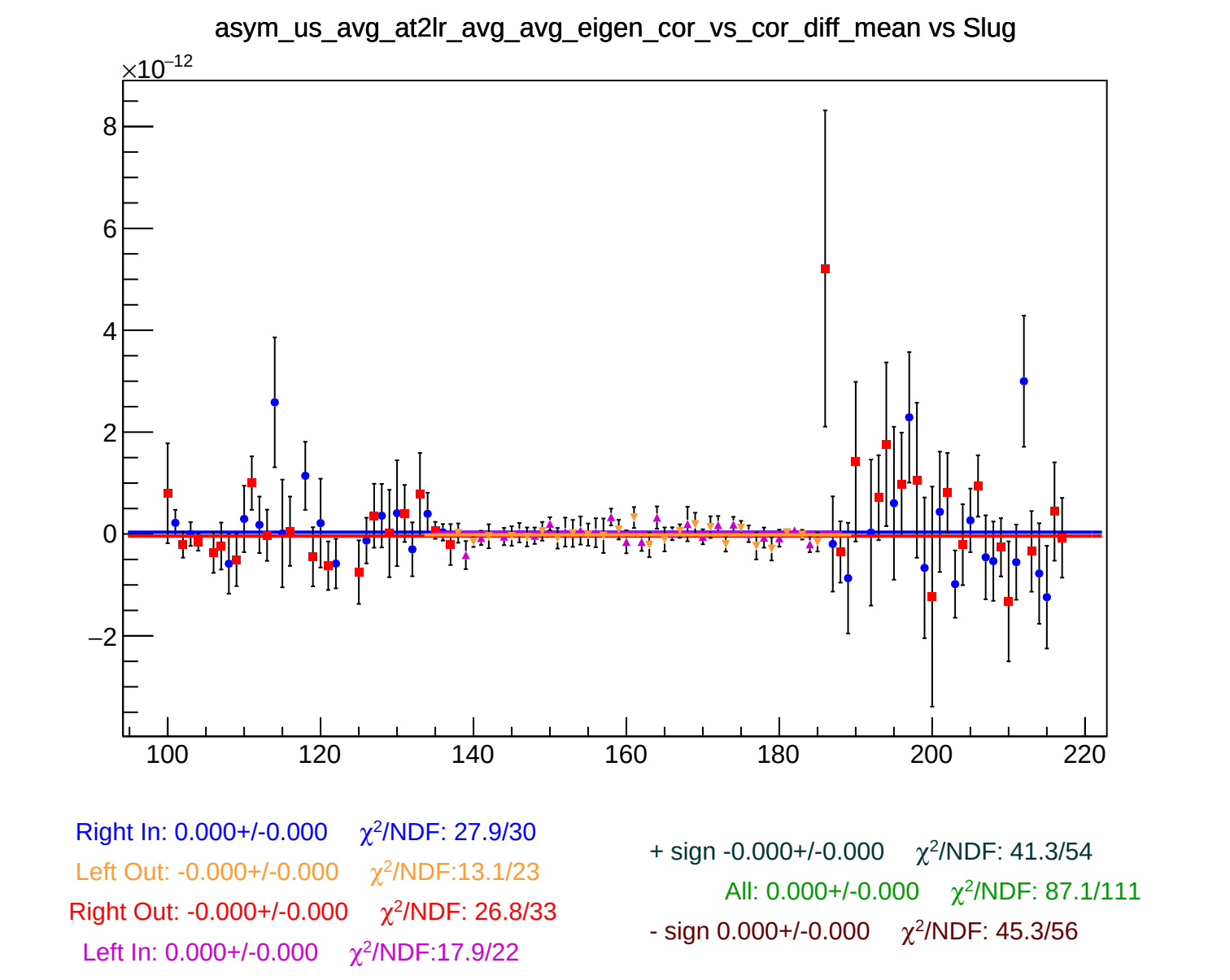
Right Out: 324.997+/-0.056 χ^2/NDF: 3710998.2/33

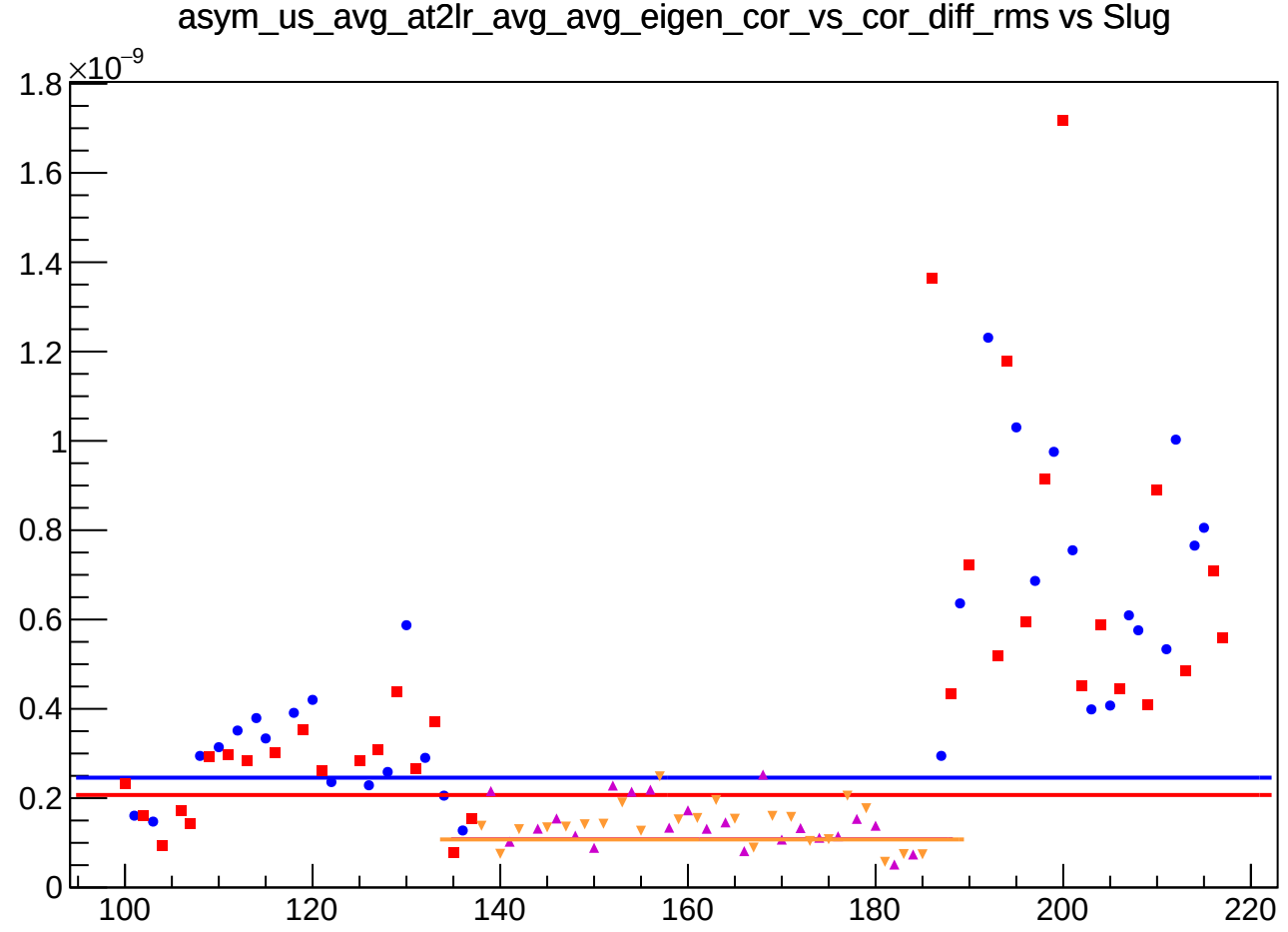
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 429.990+/-0.054 χ^2/NDF: 9997898.7/54

All: 407.002+/-0.037 χ^2/NDF: 23083188.4/11

- sign 387.688+/-0.050 χ^2/NDF: 12755406.7/56


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 27.9/30
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.8/33
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 41.3/54
All: 0.000+/-0.000 χ²/NDF: 87.1/111
- sign 0.000+/-0.000 χ²/NDF: 45.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8291272.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9499508.7/33

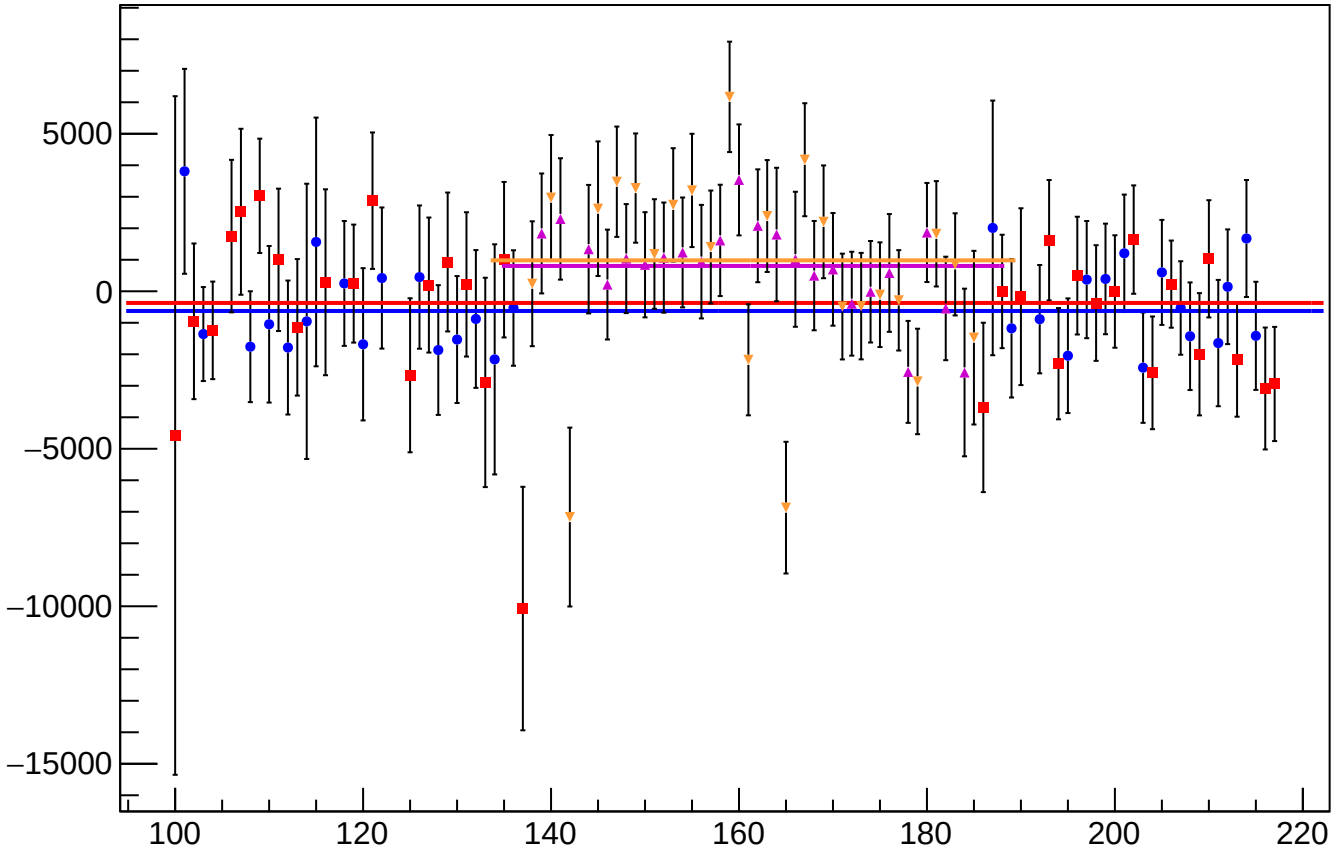
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15946859.8/54

All: 0.000+/-0.000 χ^2/NDF: 31934859.8/111

- sign 0.000+/-0.000 χ^2/NDF: 15986474.4/56

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -625.484+/-359.895 χ^2/NDF: 11.5/30

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -370.498+/-353.457 χ^2/NDF: 30.9/33

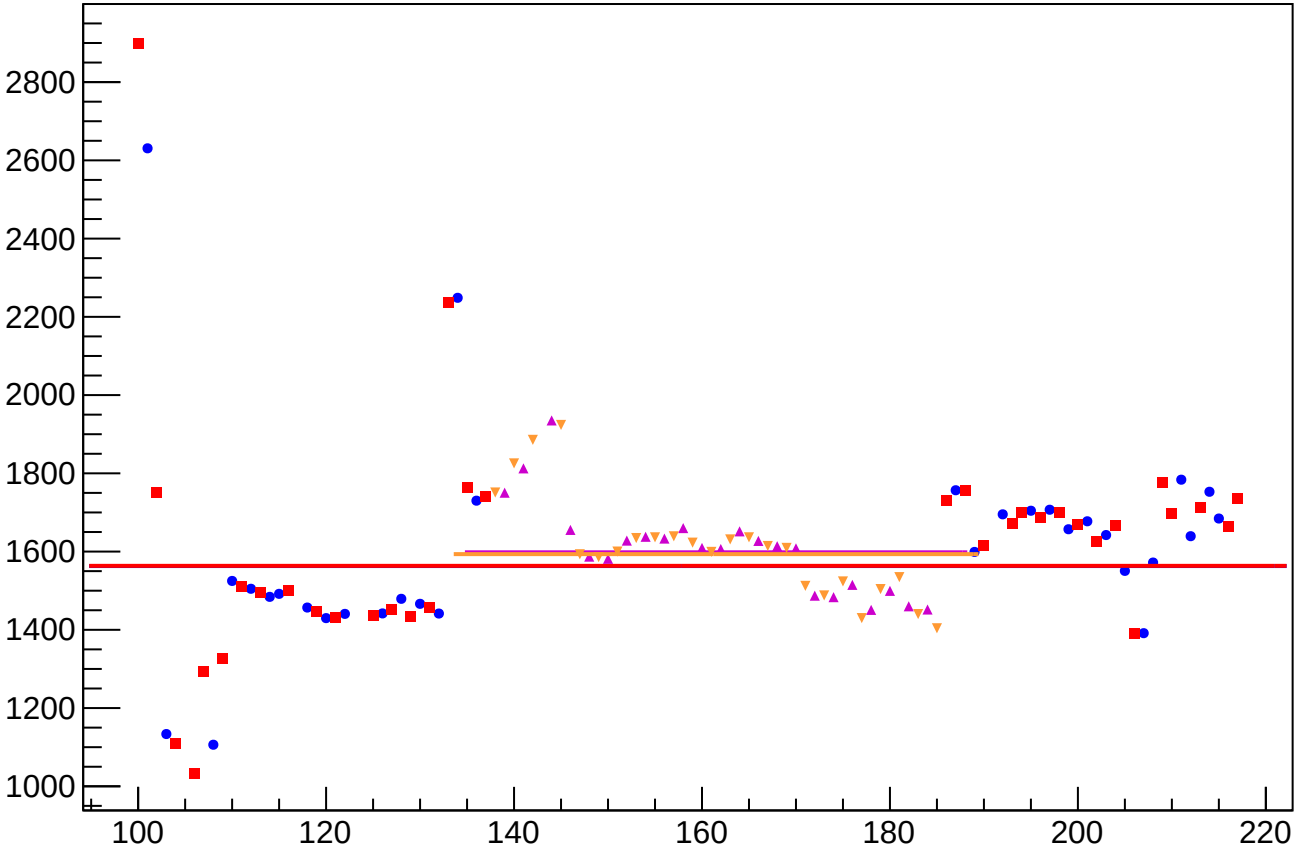
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 153.999+/-258.268 χ^2/NDF: 76.7/54

All: 168.809+/-182.141 χ^2/NDF: 125.2/111

\- sign 183.464+/-256.909 χ^2/NDF: 48.6/56

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.5/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

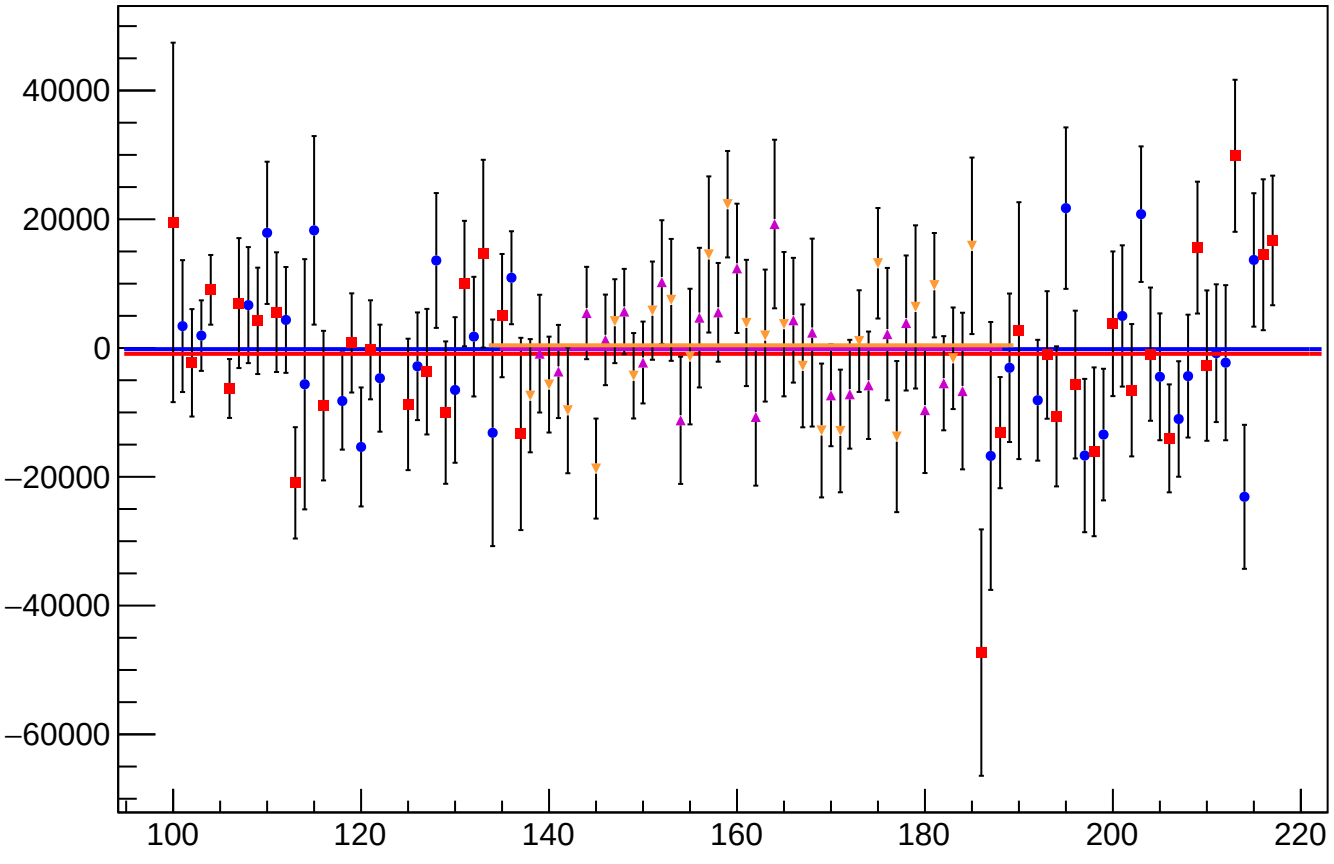
Right Out: 1563.516+/-0.249 χ^2/NDF: 722762.2/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1577.791+/-0.183 χ^2/NDF: 982316.8/54

All: 1578.795+/-0.129 χ^2/NDF: 1883364.6/11

- sign 1579.784+/-0.181 χ^2/NDF: 900987.9/56



Right In: -169.244+/-1760.737 χ^2/NDF: 34.9/30

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -898.762+/-1622.201 χ^2/NDF: 44.9/33

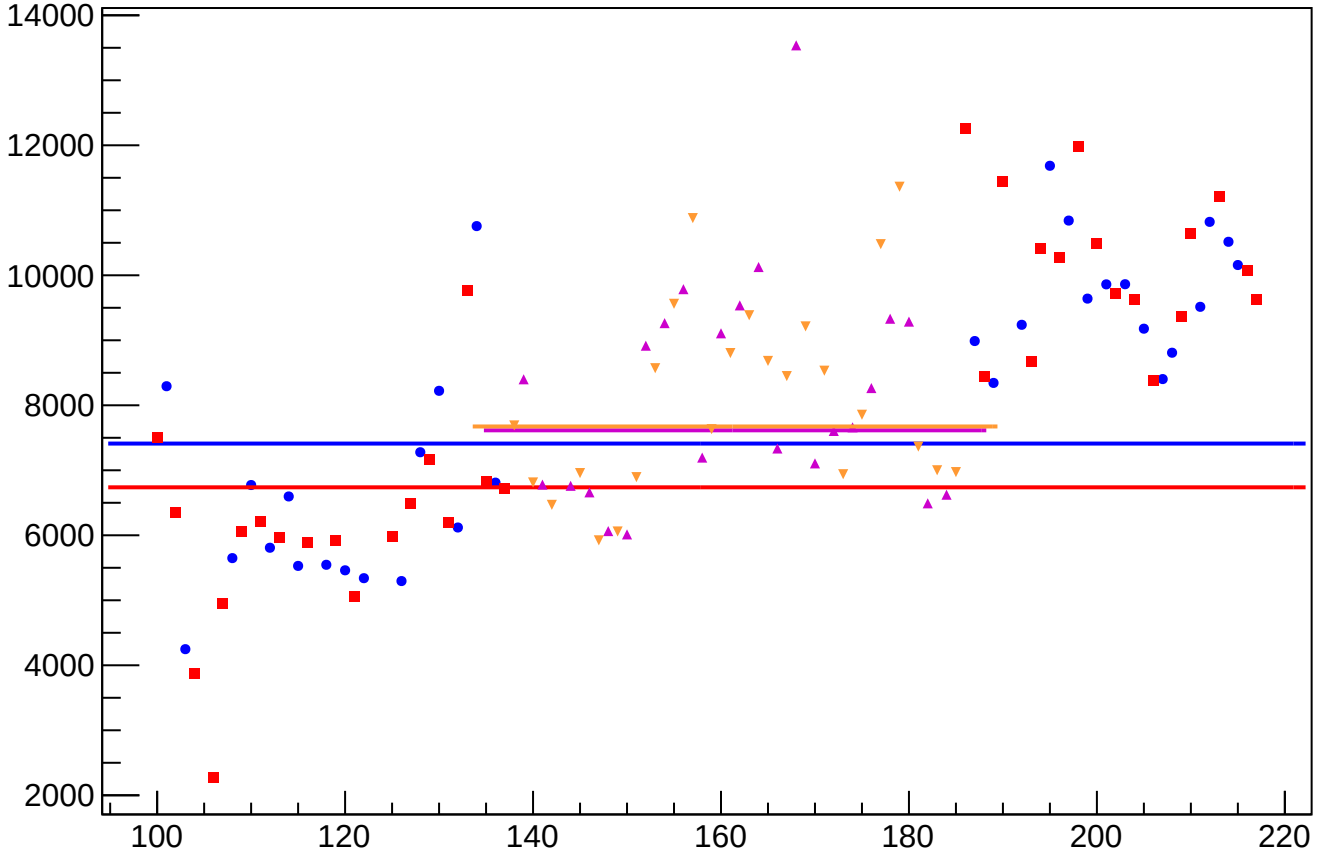
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 118.888+/-1265.421 χ^2/NDF: 64.3/54

All: -233.662+/-874.331 χ^2/NDF: 123.3/111

- sign -555.719+/-1209.459 χ^2/NDF: 58.8/56

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7411.069+/-1.245 χ^2/NDF: 2941886.0/30

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6737.954+/-1.147 χ^2/NDF: 5572796.1/33

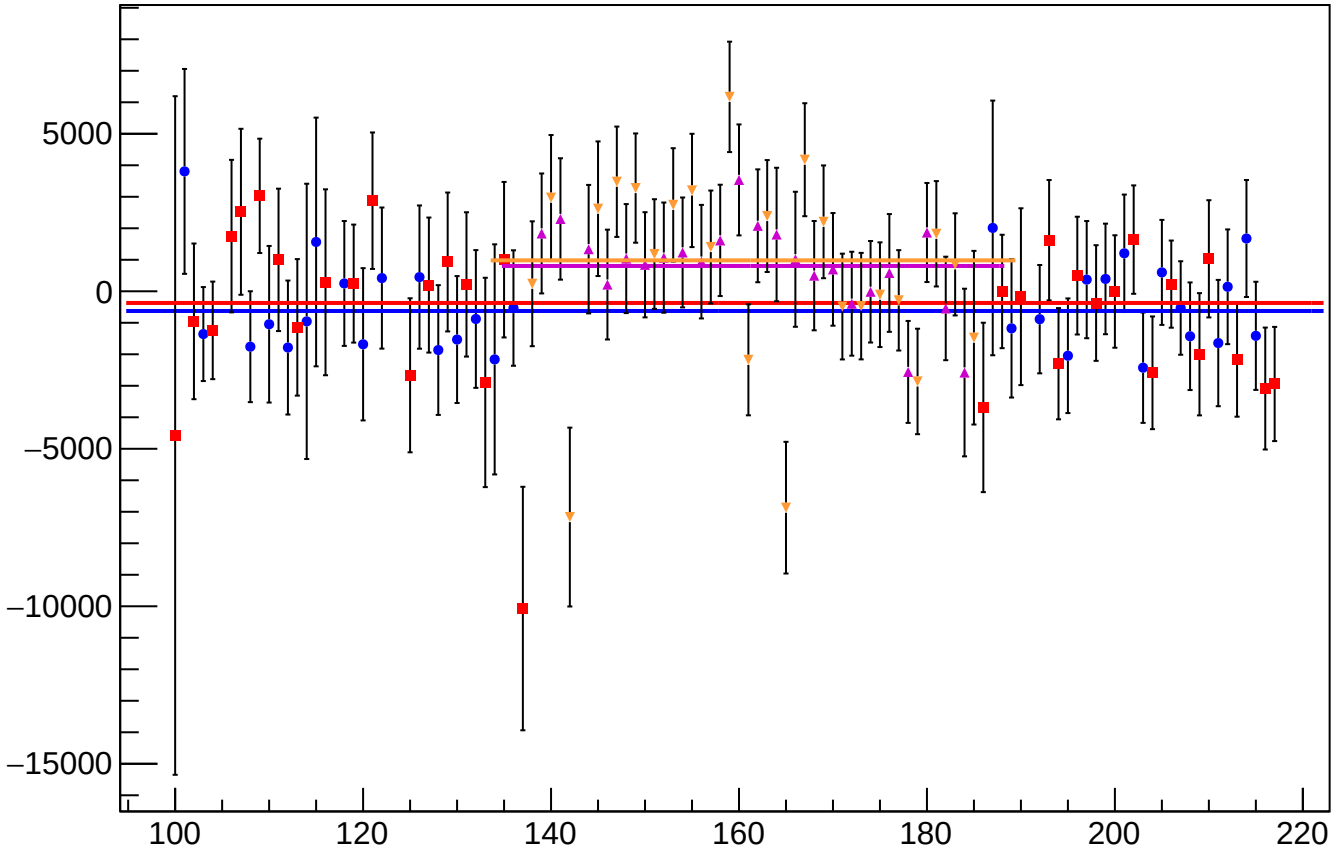
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7538.222+/-0.895 χ^2/NDF: 4040172.6/54

All: 7323.560+/-0.618 χ^2/NDF: 11207244.1/1

- sign 7127.465+/-0.855 χ^2/NDF: 7056943.2/56

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -625.523+/-359.895 χ^2/NDF: 11.5/30

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -370.538+/-353.457 χ^2/NDF: 30.9/33

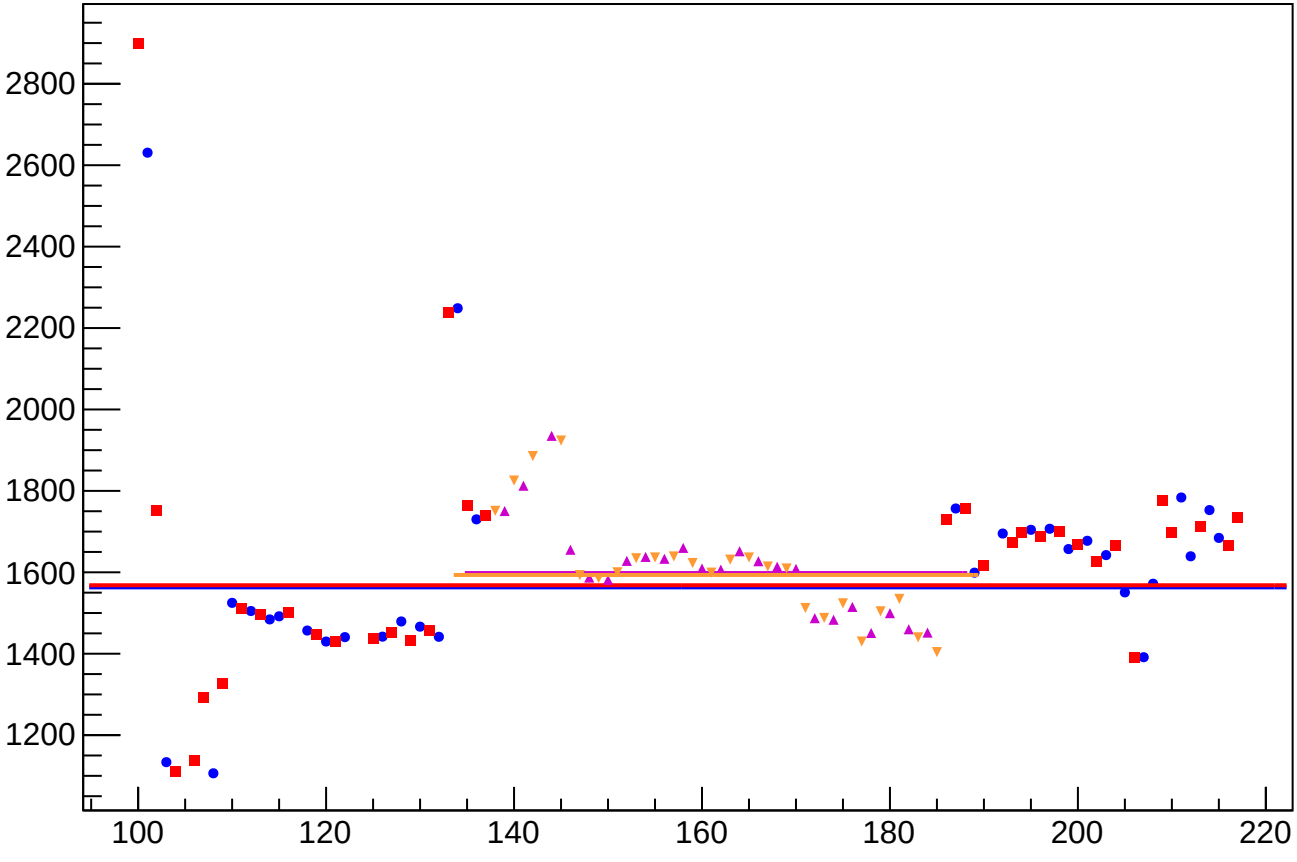
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 154.020+/-258.268 χ^2/NDF: 76.7/54

All: 168.779+/-182.141 χ^2/NDF: 125.2/111

- sign 183.384+/-256.909 χ^2/NDF: 48.6/56

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.9/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

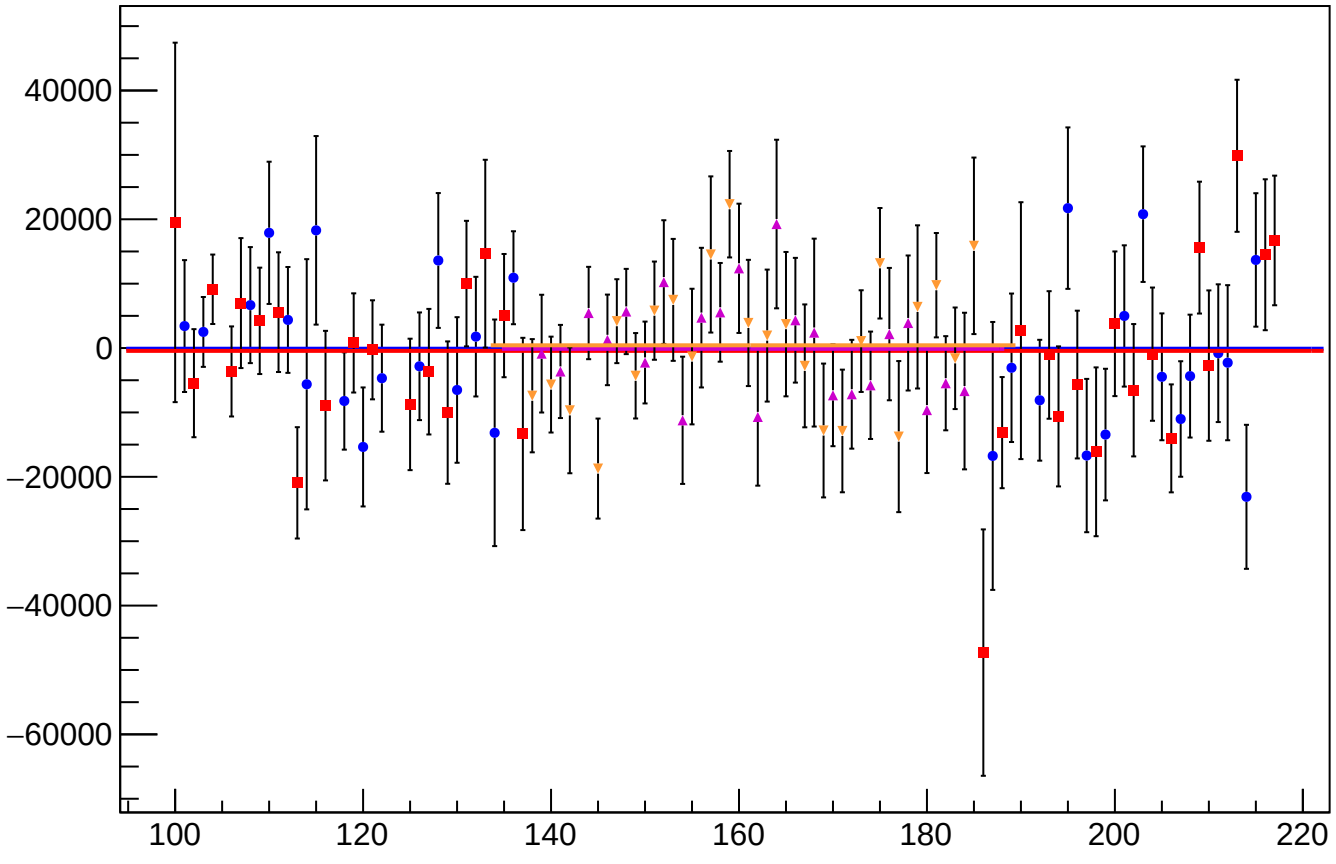
Right Out: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1577.791+/-0.183 χ^2/NDF: 982317.2/54

All: 1580.056+/-0.129 χ^2/NDF: 1824756.5/11

- sign 1582.295+/-0.182 χ^2/NDF: 842133.4/56



Right In: -104.856+/-1758.972 χ^2/NDF: 34.9/30

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

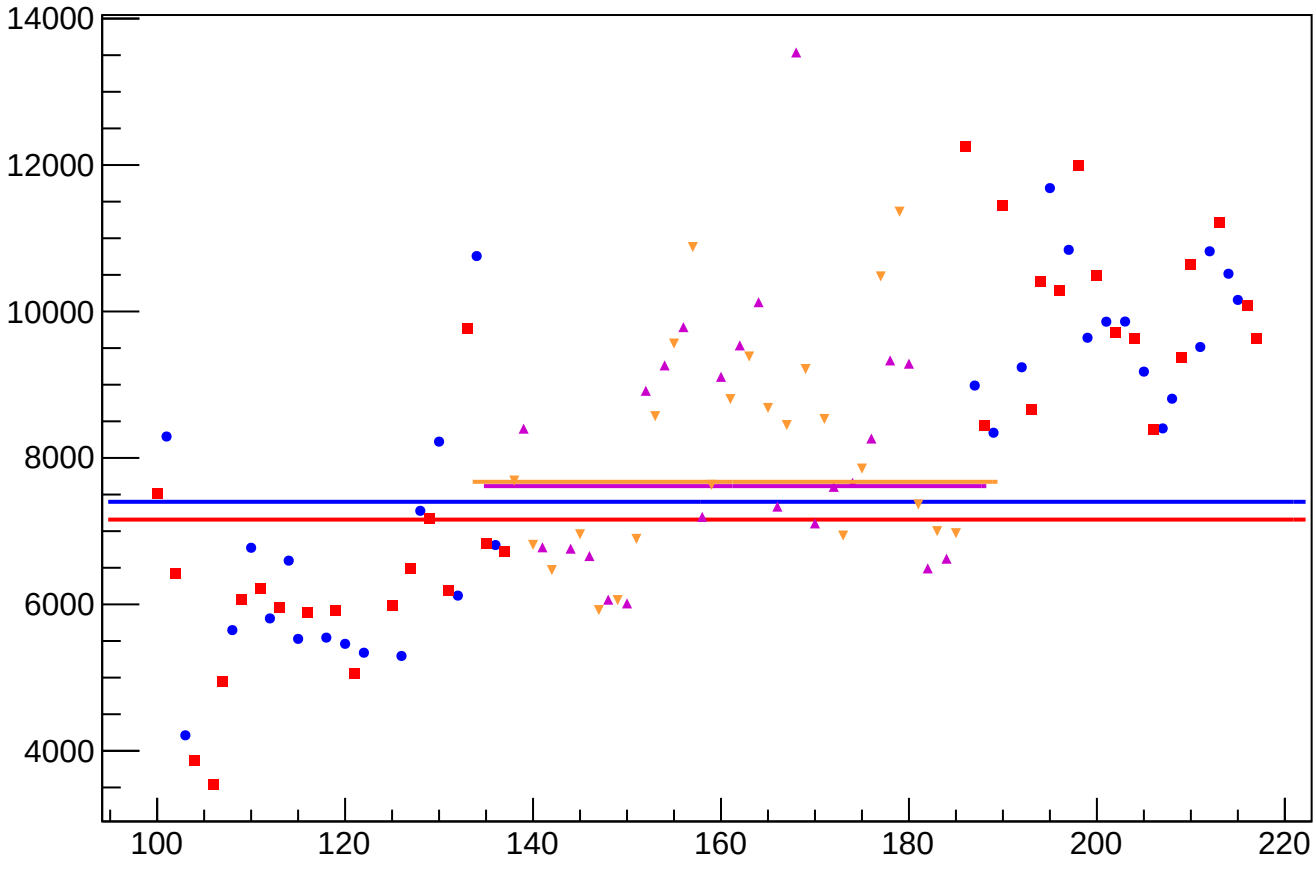
Right Out: -438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 151.879+/-1264.765 χ^2/NDF: 64.4/54

All: -76.506+/-883.393 χ^2/NDF: 122.2/111

- sign -294.057+/-1234.401 χ^2/NDF: 57.8/56



Right In: 7400.969+/-1.244 χ^2/NDF: 2970168.1/30

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

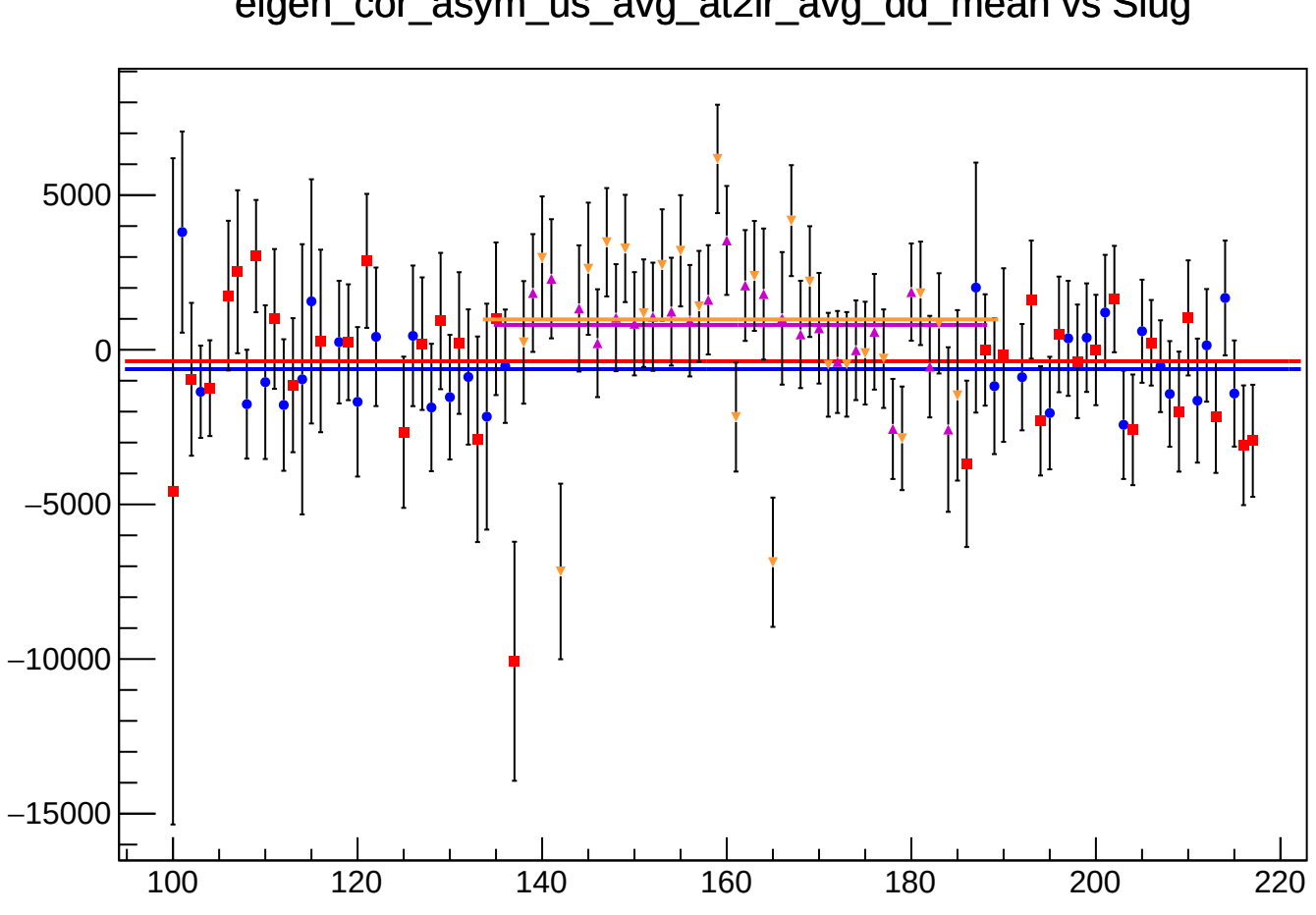
Right Out: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7532.869+/-0.894 χ^2/NDF: 4070165.4/54

All: 7449.177+/-0.625 χ^2/NDF: 9344837.4/11

- sign 7369.455+/-0.873 χ^2/NDF: 5257572.5/56



Right In: -625.523+/-359.895 χ^2/NDF: 11.5/30

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -370.538+/-353.457 χ^2/NDF: 30.9/33

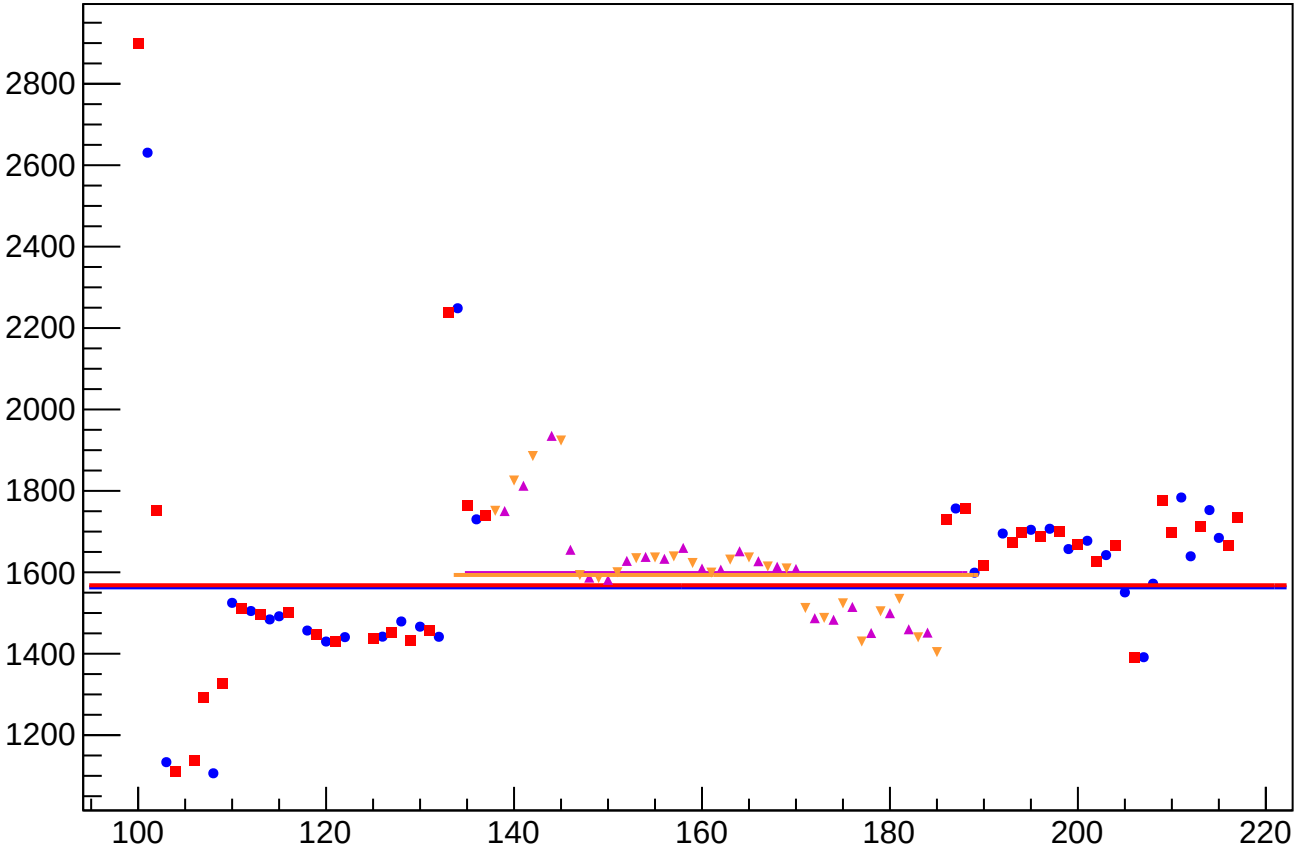
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 154.020+/-258.268 χ^2/NDF: 76.7/54

All: 168.779+/-182.141 χ^2/NDF: 125.2/111

- sign 183.384+/-256.909 χ^2/NDF: 48.6/56

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1563.013+/-0.254 χ^2/NDF: 787750.9/30

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

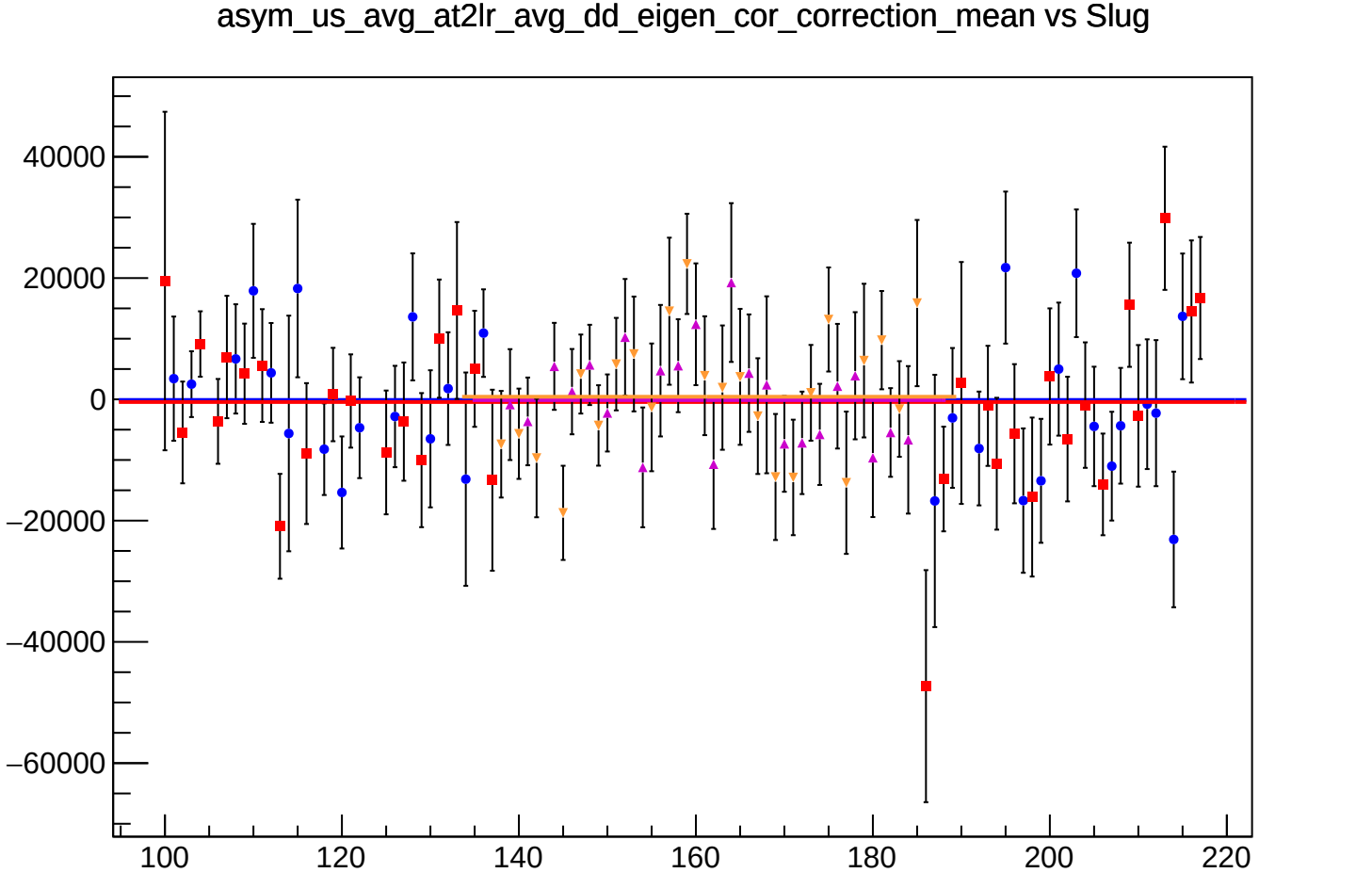
Right Out: 1568.194+/-0.250 χ^2/NDF: 666207.7/33

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1577.791+/-0.183 χ^2/NDF: 982317.2/54

All: 1580.056+/-0.129 χ^2/NDF: 1824756.5/11

- sign 1582.295+/-0.182 χ^2/NDF: 842133.4/56



Right In: -104.856+/-1758.972 χ^2/NDF: 34.9/30

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

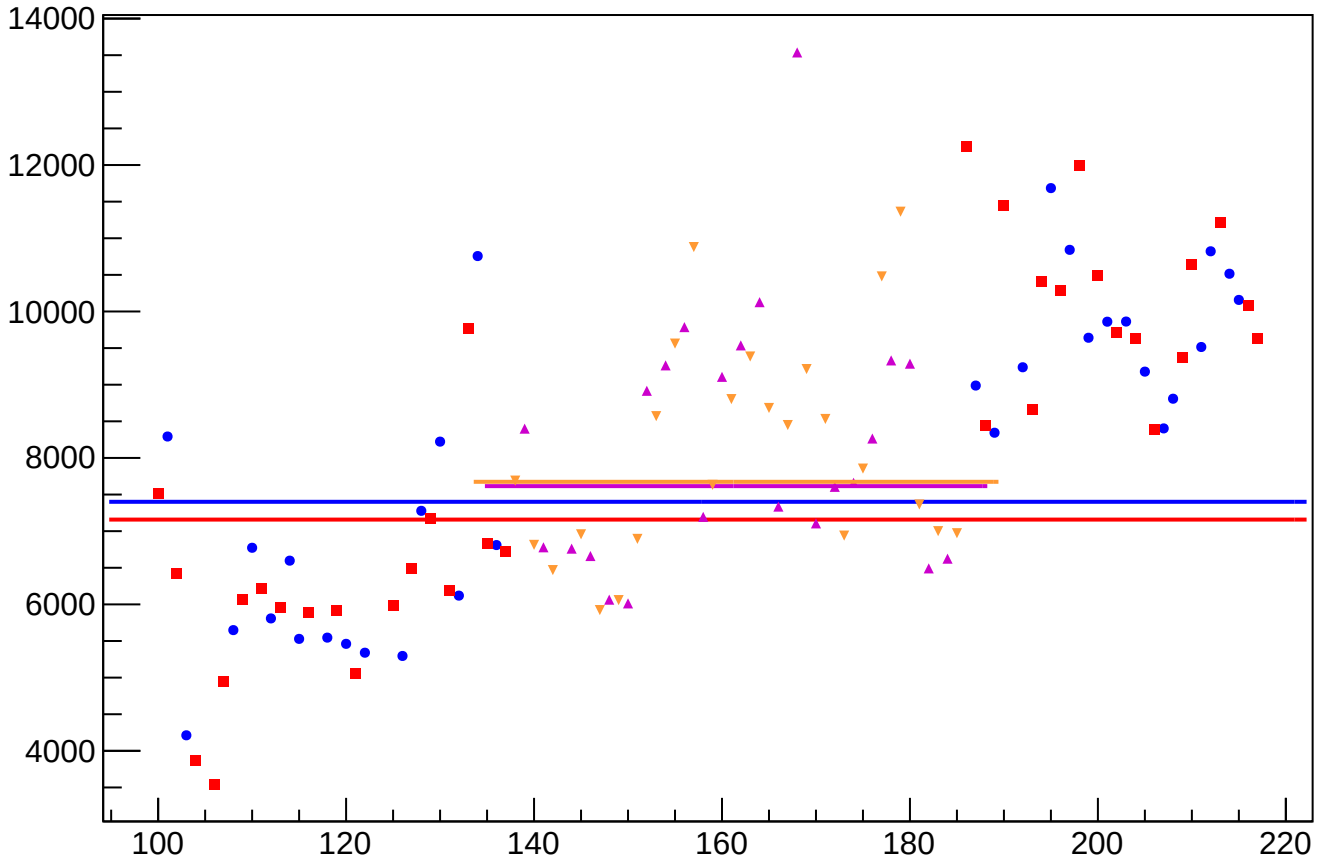
Right Out: -438.421+/-1683.927 χ^2/NDF: 43.9/33

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 151.879+/-1264.765 χ^2/NDF: 64.4/54

All: -76.506+/-883.393 χ^2/NDF: 122.2/111

- sign -294.057+/-1234.401 χ^2/NDF: 57.8/56



Right In: 7400.969+/-1.244 χ^2/NDF: 2970168.1/30

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

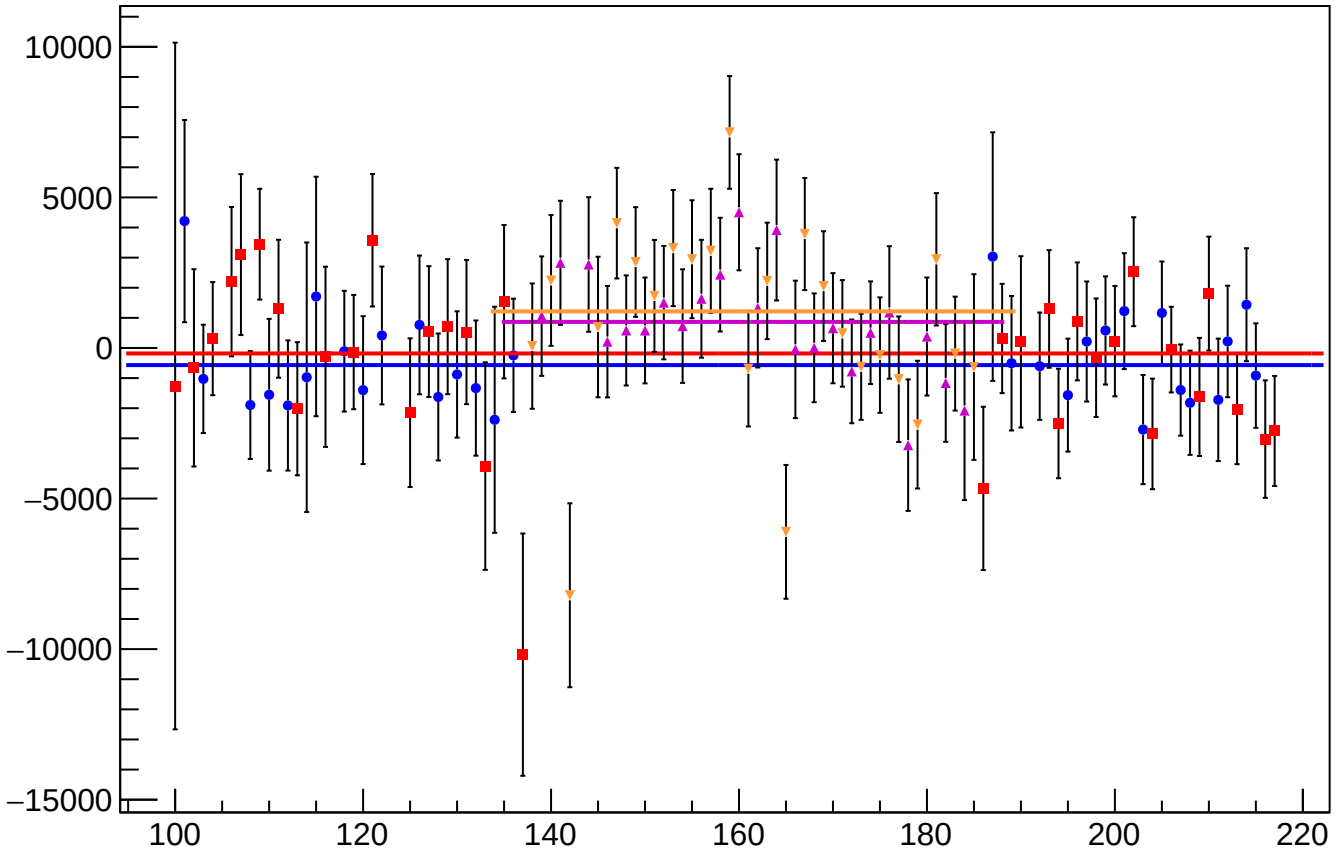
Right Out: 7158.086+/-1.191 χ^2/NDF: 3964934.3/33

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7532.869+/-0.894 χ^2/NDF: 4070165.4/54

All: 7449.177+/-0.625 χ^2/NDF: 9344837.4/11

- sign 7369.455+/-0.873 χ^2/NDF: 5257572.5/56



Right In: -568.310+/-371.423 χ^2/NDF: 12.3/30

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -181.813+/-365.971 χ^2/NDF: 35.8/33

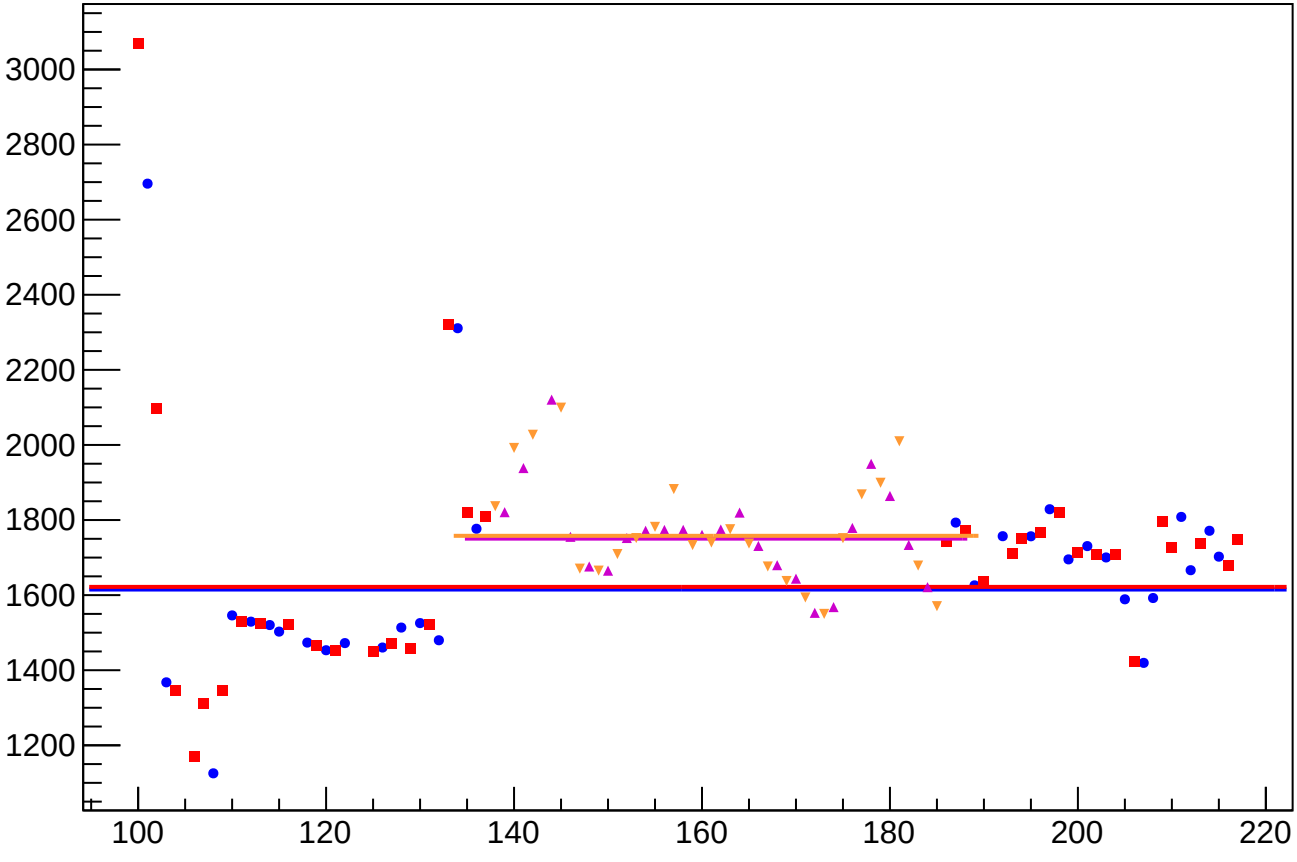
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 236.577+/-275.140 χ^2/NDF: 71.1/54

All: 259.862+/-193.805 χ^2/NDF: 125.7/111

- sign 282.792+/-273.036 χ^2/NDF: 54.6/56

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1614.893+/-0.263 χ^2/NDF: 675500.5/30

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

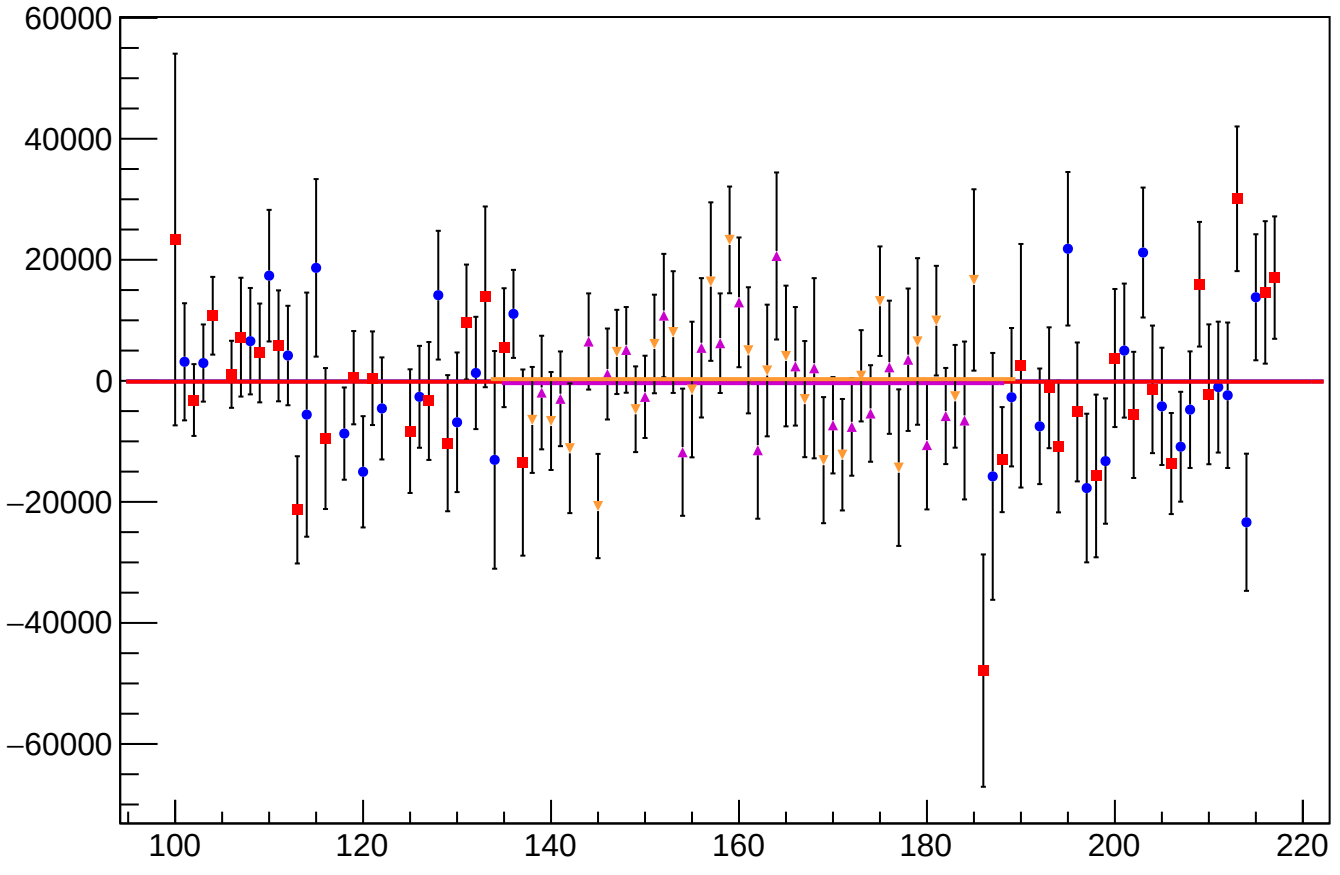
Right Out: 1621.939+/-0.259 χ^2/NDF: 581002.3/33

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1679.455+/-0.195 χ^2/NDF: 1022697.9/54

All: 1679.188+/-0.137 χ^2/NDF: 1884998.0/11

- sign 1678.925+/-0.193 χ^2/NDF: 862296.3/56



Right In: -93.659+/-1790.683 χ^2/NDF: 34.7/30

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -135.721+/-1651.448 χ^2/NDF: 43.4/33

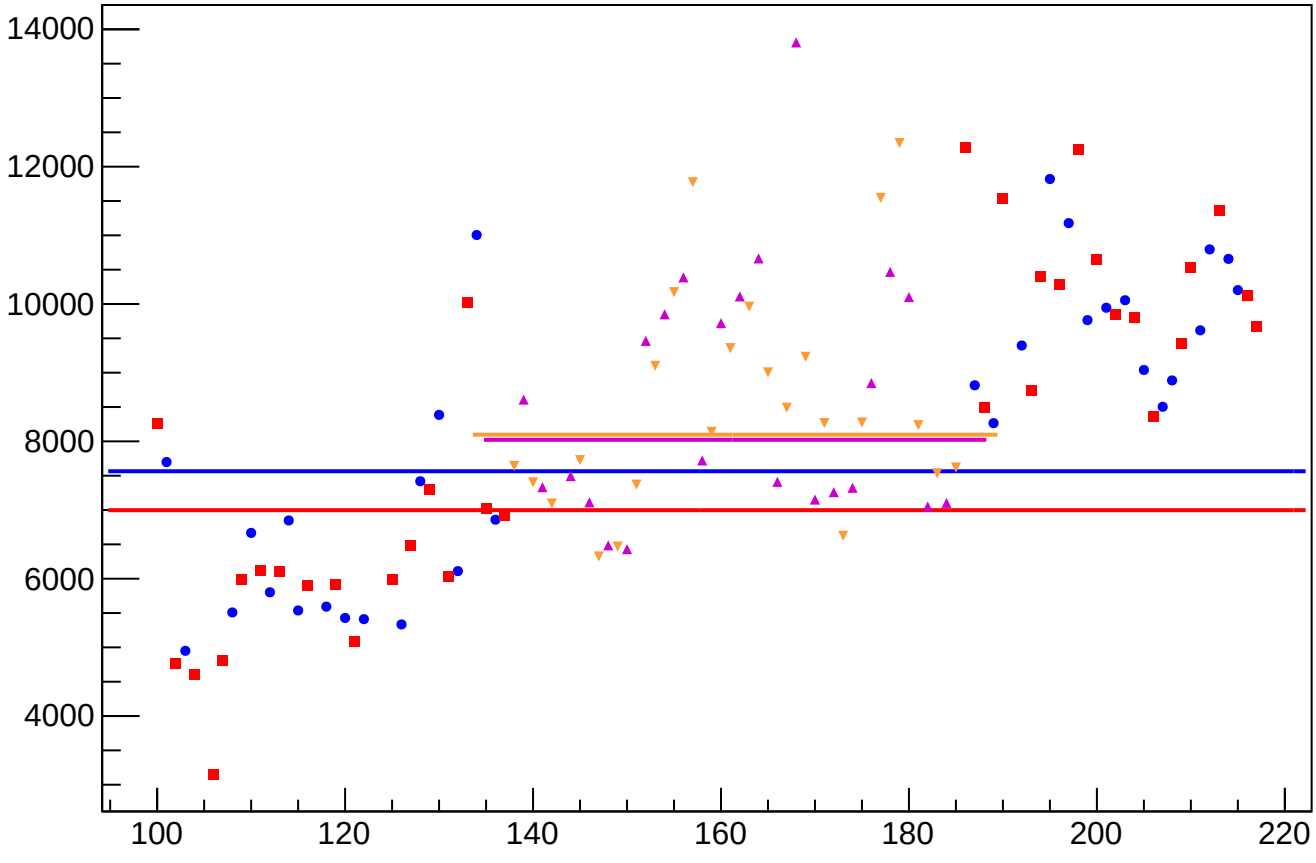
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 82.442+/-1309.579 χ^2/NDF: 63.4/54

All: -86.924+/-904.176 χ^2/NDF: 120.4/111

- sign -241.207+/-1249.905 χ^2/NDF: 57.0/56

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7564.737+/-1.266 χ^2/NDF: 2633278.3/30

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

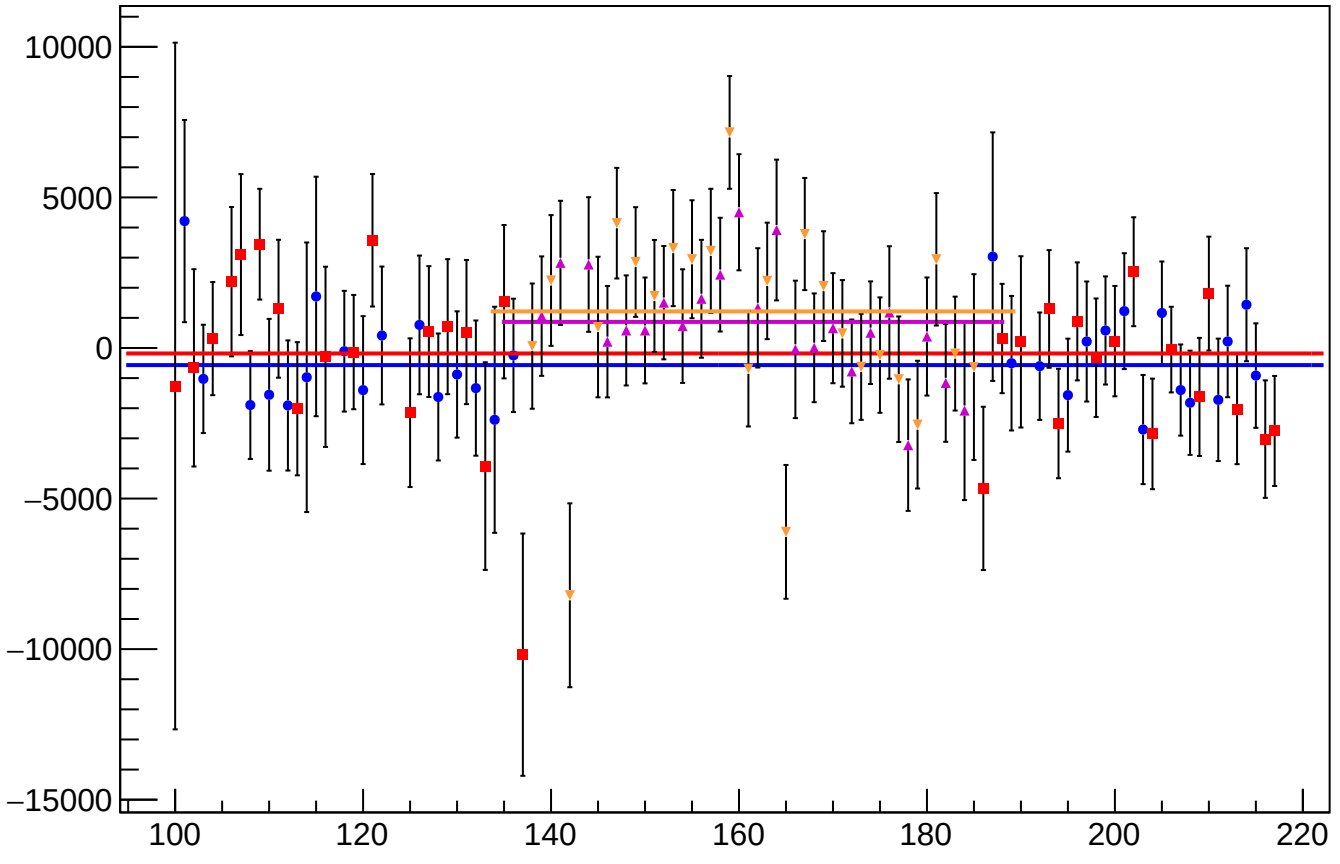
Right Out: 6997.935+/-1.168 χ^2/NDF: 4438528.3/33

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7812.240+/-0.926 χ^2/NDF: 3803208.9/54

All: 7615.194+/-0.639 χ^2/NDF: 9882795.6/11

- sign 7435.698+/-0.884 χ^2/NDF: 5993060.7/56



Right In: -568.306+/-371.423 χ^2/NDF: 12.3/30

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -181.811+/-365.971 χ^2/NDF: 35.8/33

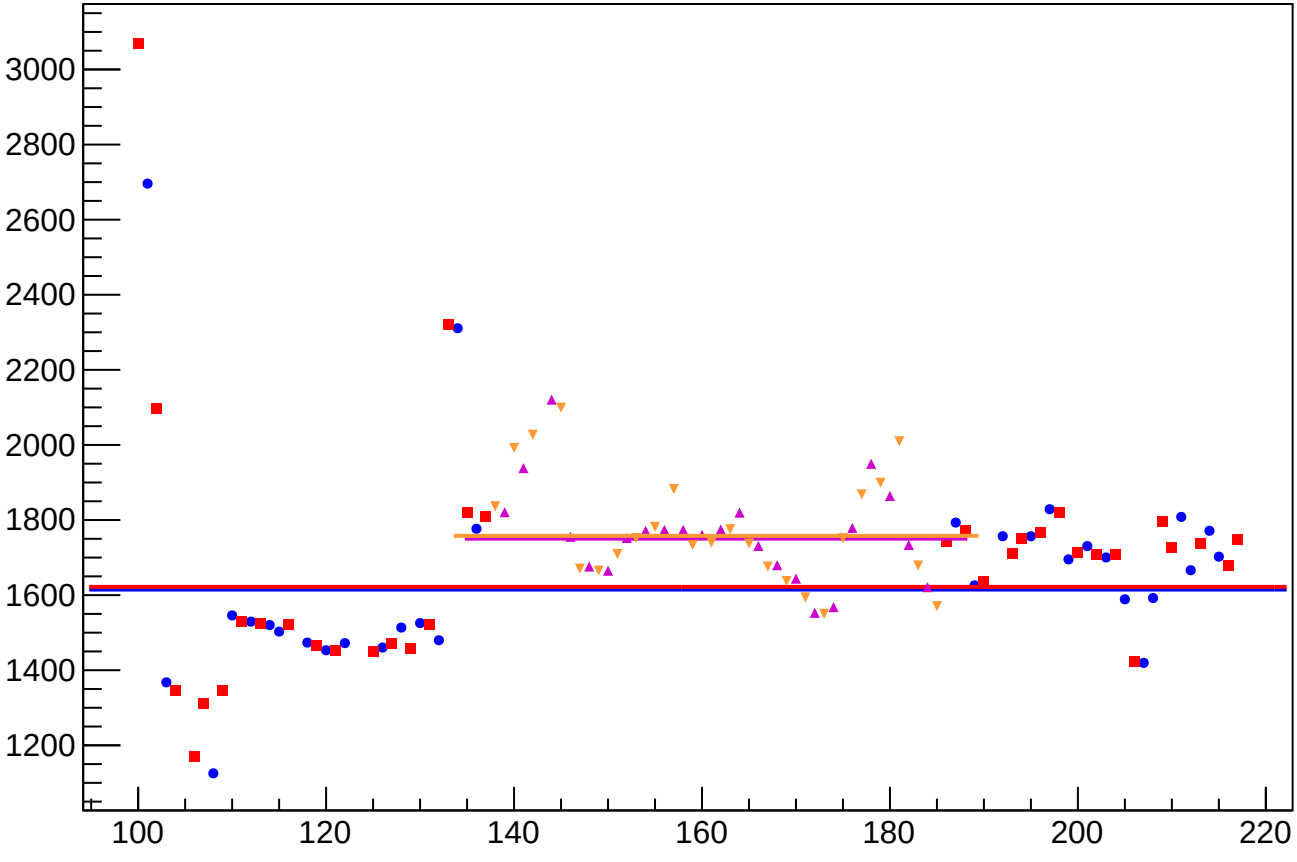
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

+ sign 236.582+/-275.141 χ^2/NDF: 71.1/54

All: 259.864+/-193.806 χ^2/NDF: 125.7/111

- sign 282.792+/-273.036 χ^2/NDF: 54.6/56

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1614.893+/-0.263 χ^2/NDF: 675500.5/30

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

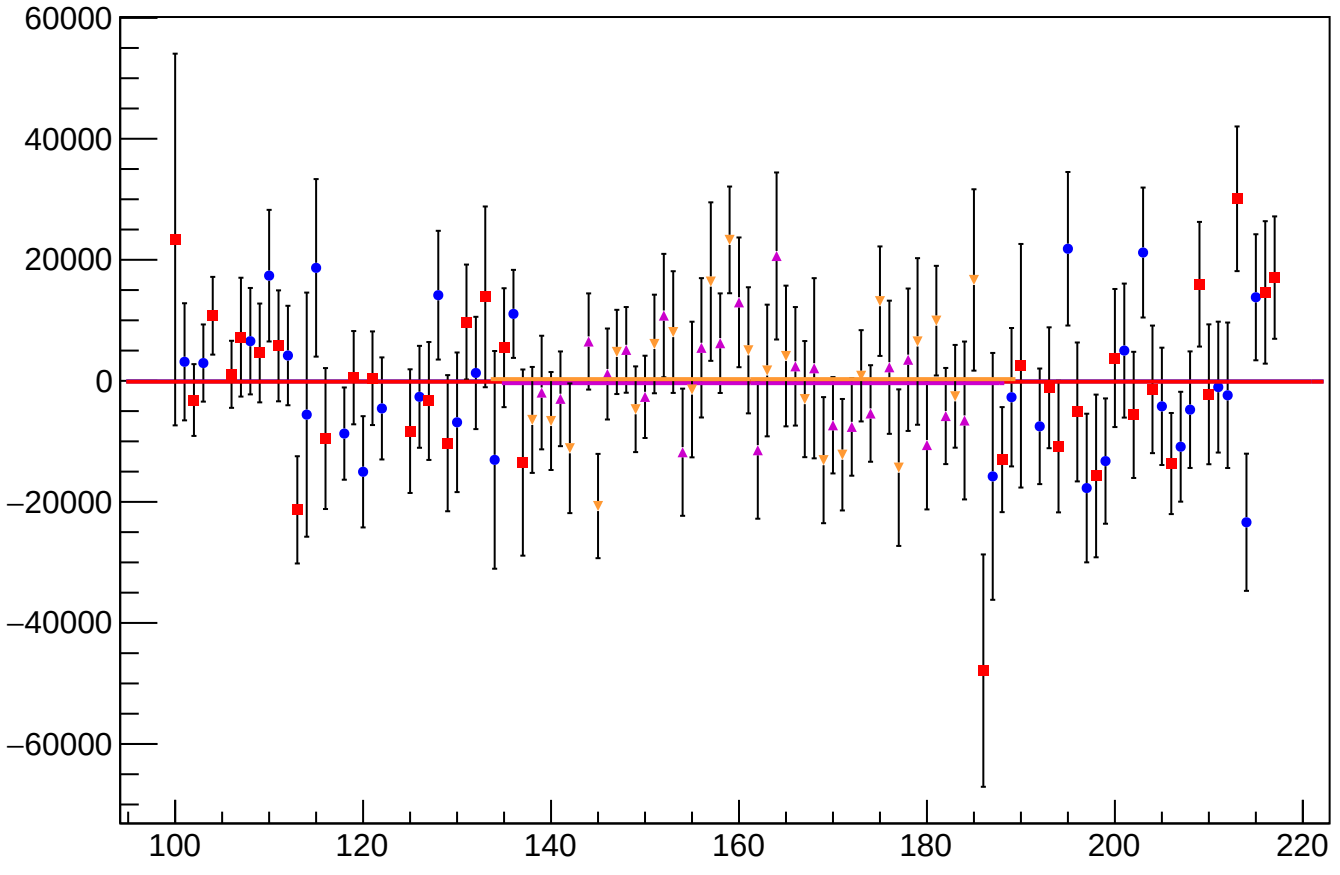
Right Out: 1621.939+/-0.259 χ^2/NDF: 581003.3/33

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1679.456+/-0.195 χ^2/NDF: 1022710.9/54

All: 1679.189+/-0.137 χ^2/NDF: 1885024.3/11

- sign 1678.926+/-0.193 χ^2/NDF: 862309.7/56



Right In: -93.666+/-1790.682 χ^2/NDF: 34.7/30

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

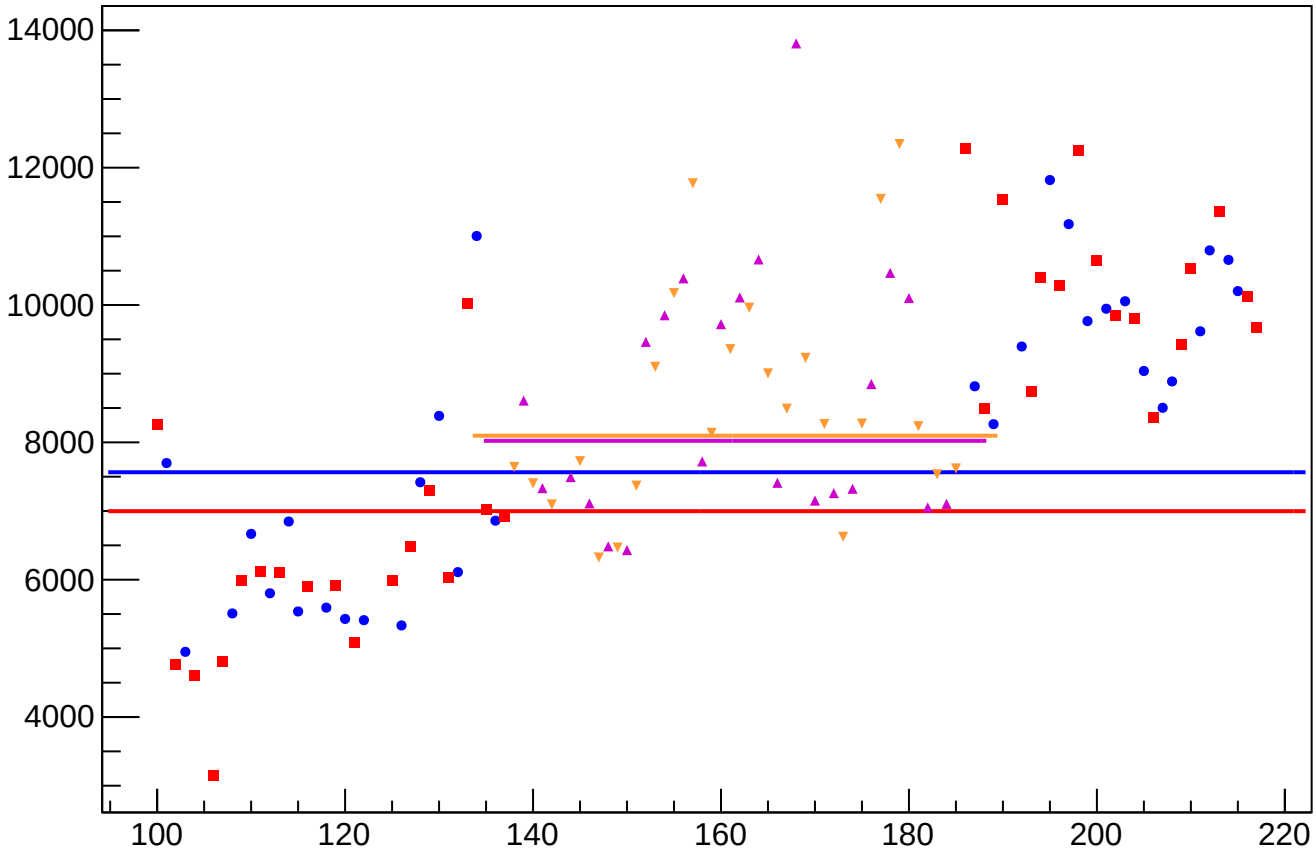
Right Out: -135.714+/-1651.447 χ^2/NDF: 43.4/33

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 82.439+/-1309.579 χ^2/NDF: 63.4/54

All: -86.924+/-904.177 χ^2/NDF: 120.4/111

- sign -241.204+/-1249.905 χ^2/NDF: 57.0/56



Right In: 7564.729+/-1.266 χ^2/NDF: 2633314.0/30

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6997.926+/-1.168 χ^2/NDF: 4438562.8/33

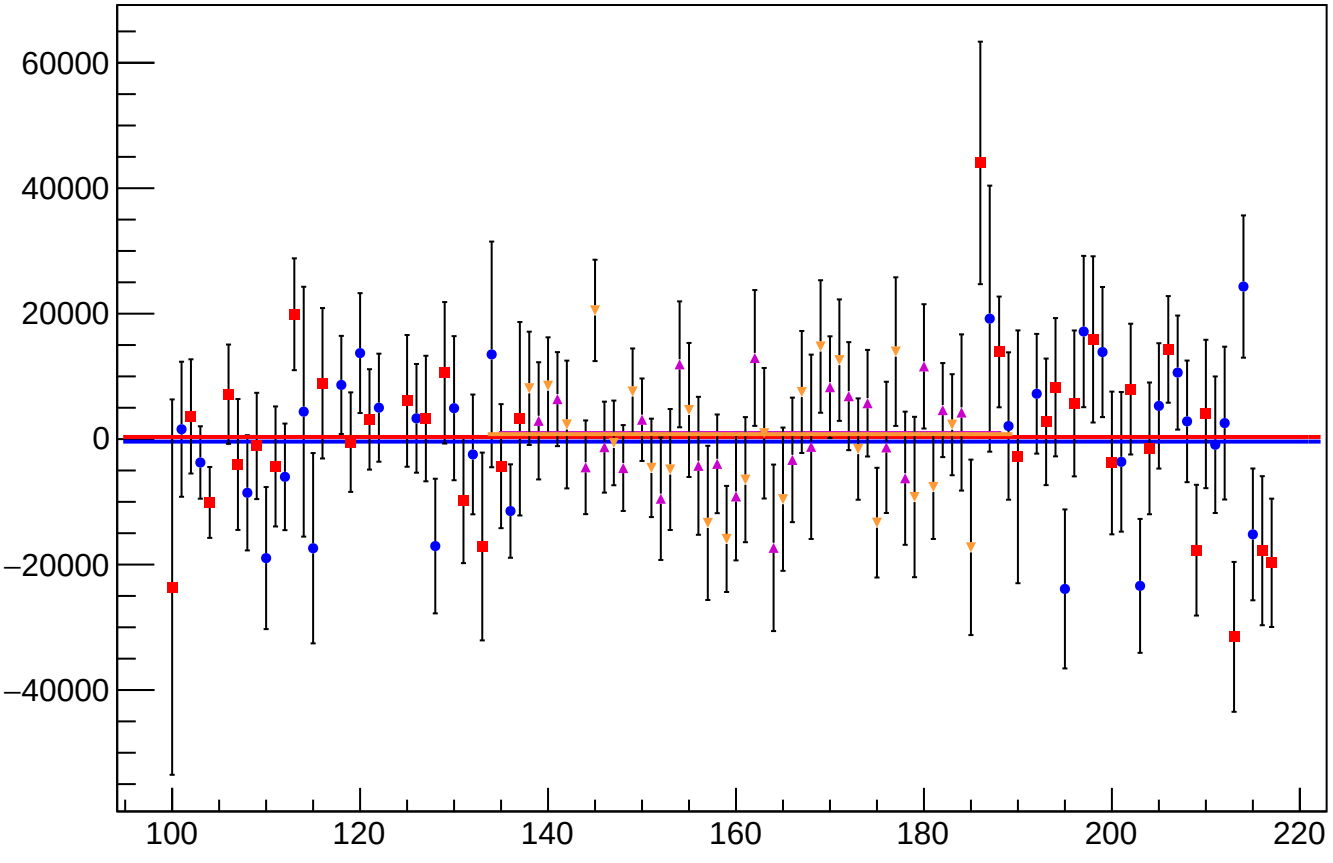
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7812.241+/-0.926 χ^2/NDF: 3803253.2/54

All: 7615.194+/-0.639 χ^2/NDF: 9882892.8/11

- sign 7435.696+/-0.884 χ^2/NDF: 5993112.5/56

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -395.398+/-1808.060 χ^2/NDF: 37.6/30

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 342.025+/-1740.143 χ^2/NDF: 44.1/33

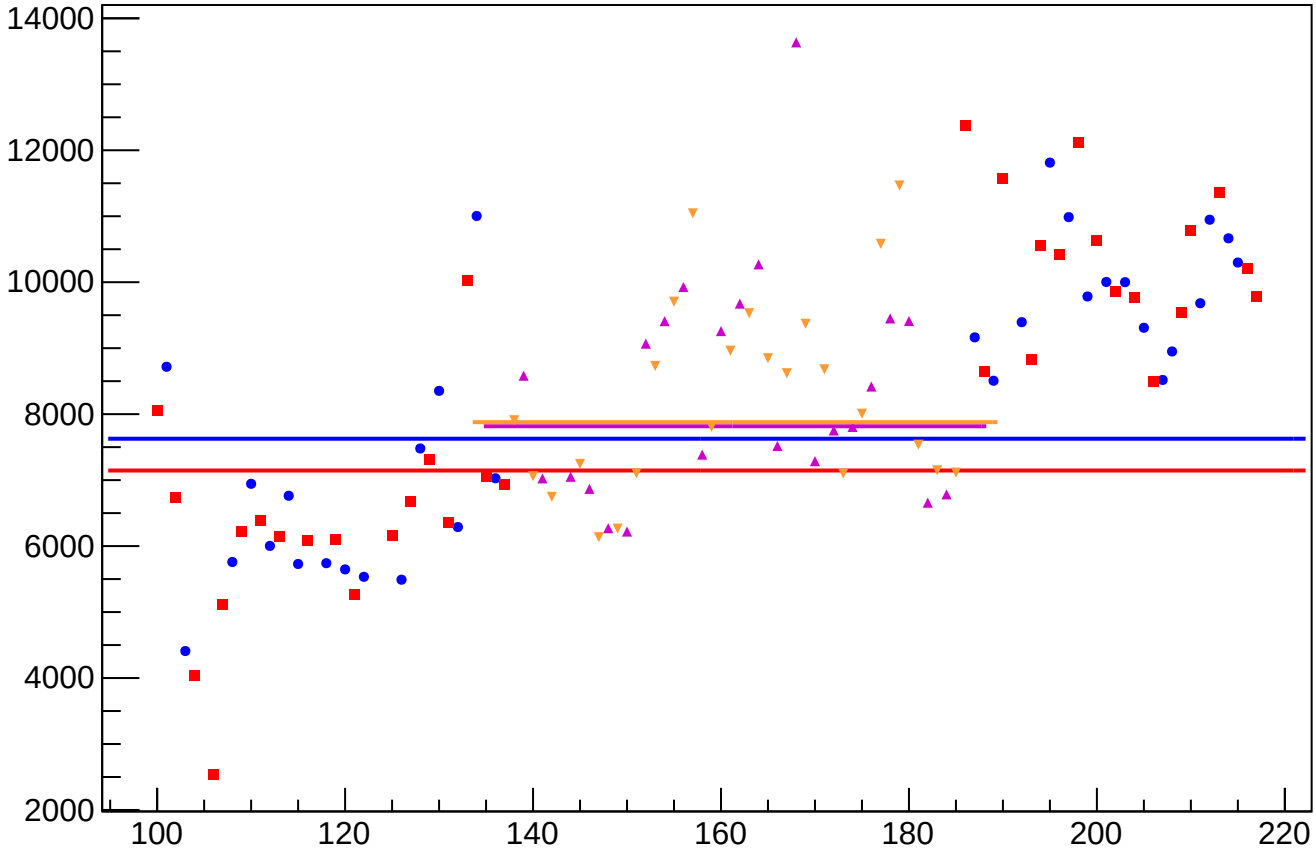
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 179.507+/-1298.192 χ^2/NDF: 65.0/54

All: 410.761+/-908.086 χ^2/NDF: 122.0/111

- sign 632.325+/-1270.704 χ^2/NDF: 57.0/56

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7627.527+/-1.278 χ^2/NDF: 2758758.6/30

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

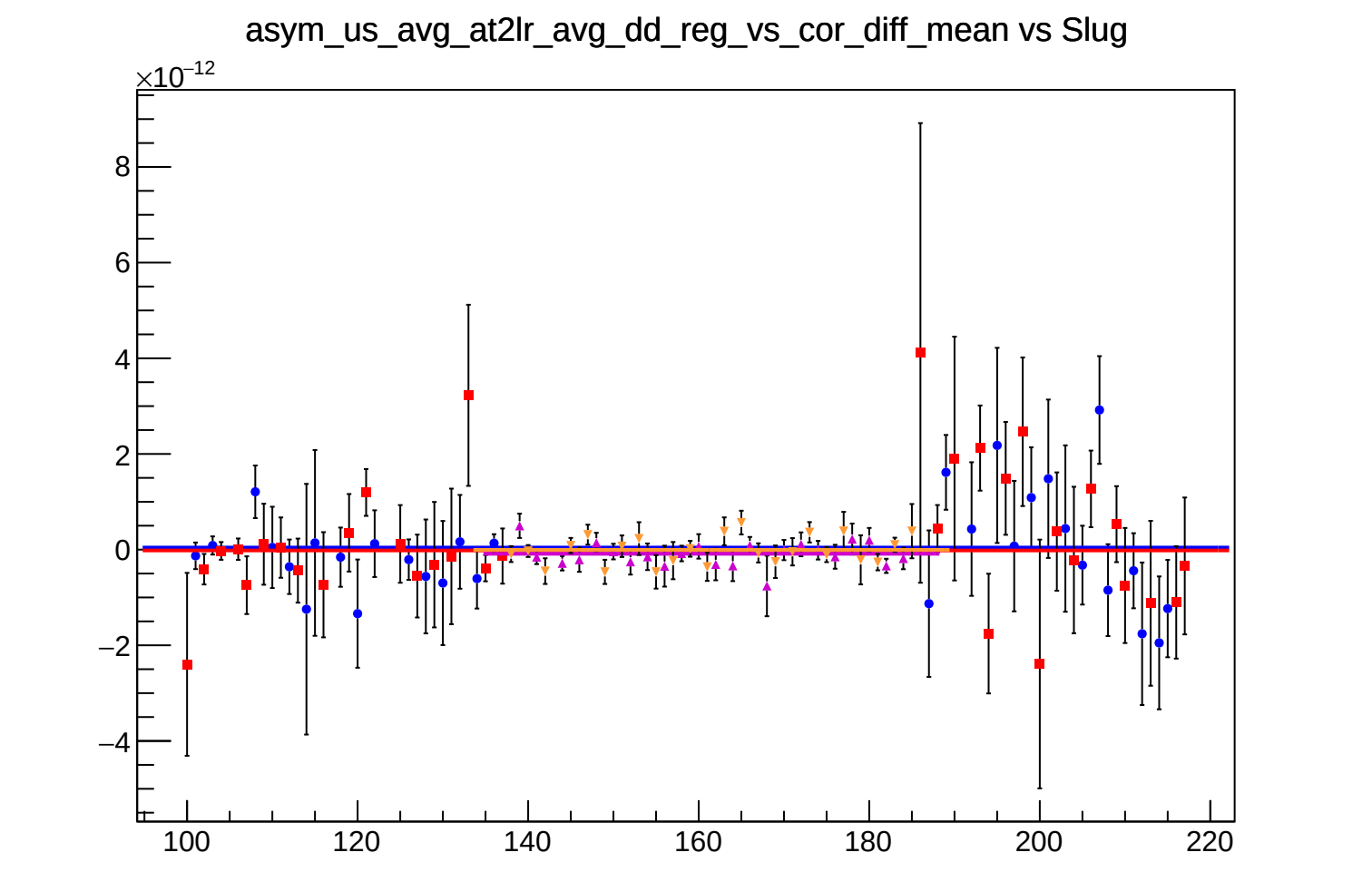
Right Out: 7145.595+/-1.203 χ^2/NDF: 4639591.0/33

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7749.107+/-0.918 χ^2/NDF: 3767483.7/54

All: 7595.147+/-0.638 χ^2/NDF: 9735542.8/11

- sign 7451.188+/-0.888 χ^2/NDF: 5913626.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

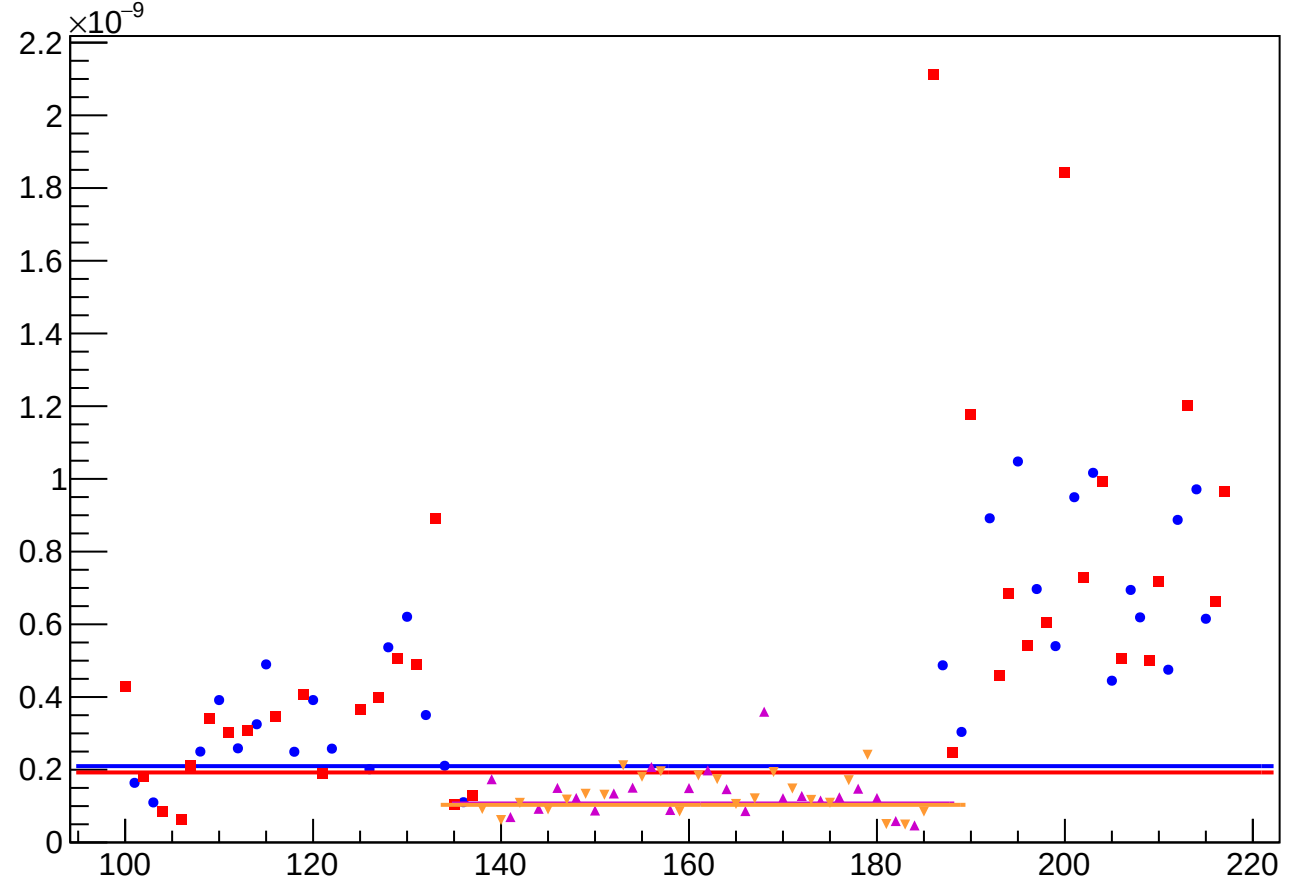
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/33

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.0/54

All: -0.000+/-0.000 χ^2/NDF: 117.4/111

- sign -0.000+/-0.000 χ^2/NDF: 56.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 6434246.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

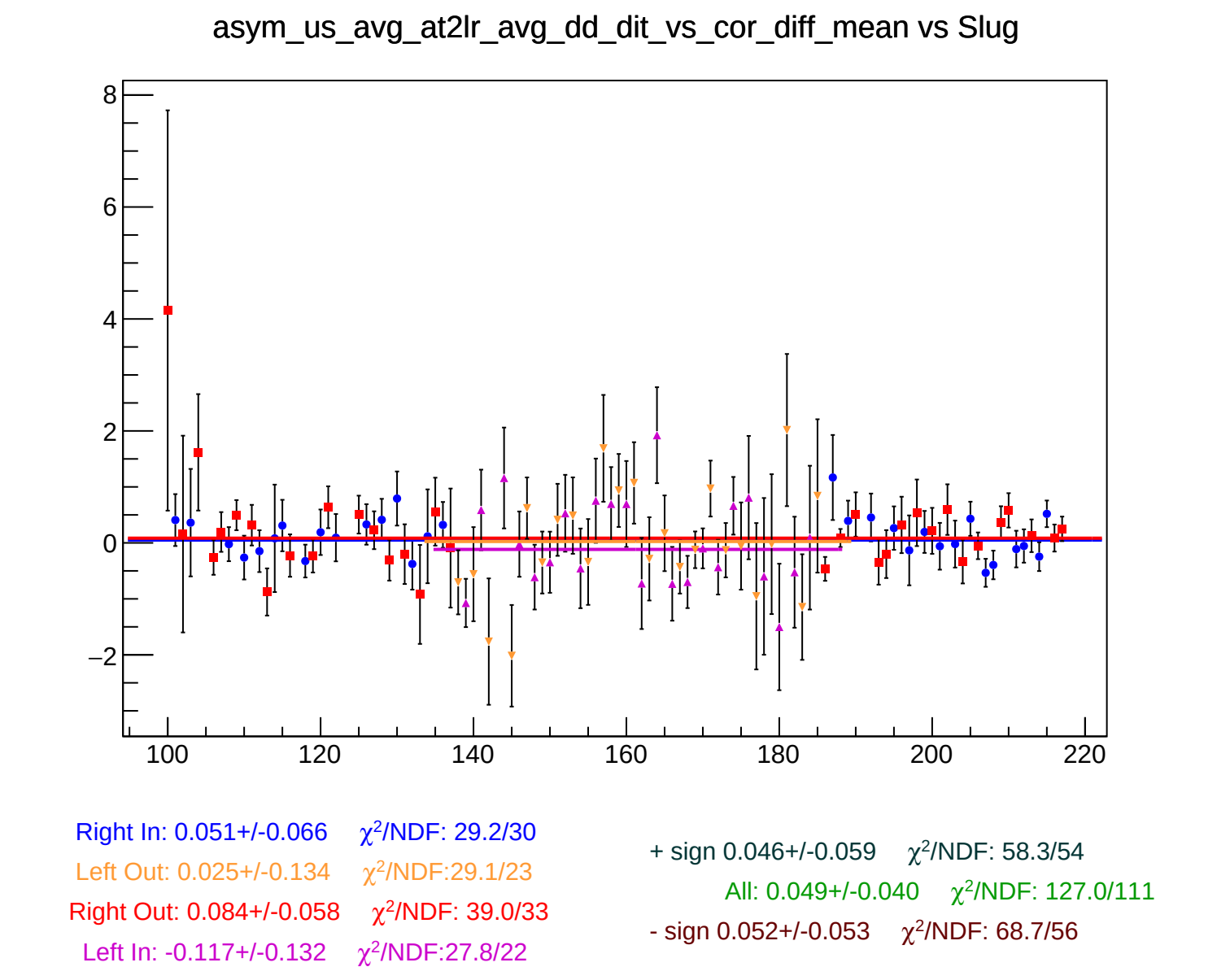
Right Out: 0.000+/-0.000 χ^2/NDF: 8417344.1/33

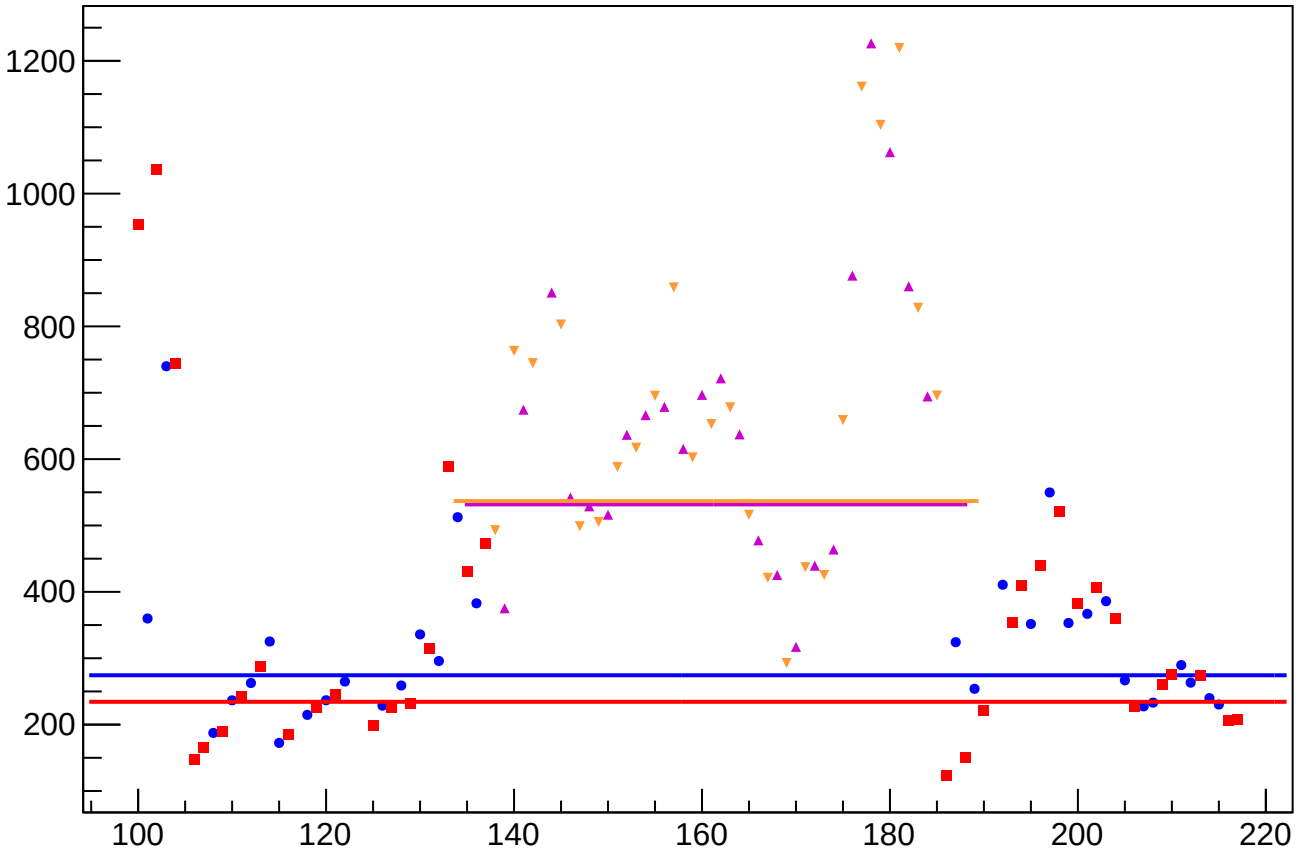
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10312024.2/54

All: 0.000+/-0.000 χ^2/NDF: 21625280.1/111

- sign 0.000+/-0.000 χ^2/NDF: 11312470.4/56


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.051+/-0.066 χ²/NDF: 29.2/30
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.084+/-0.058 χ²/NDF: 39.0/33
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.046+/-0.059 χ²/NDF: 58.3/54
All: 0.049+/-0.040 χ²/NDF: 127.0/111
- sign 0.052+/-0.053 χ²/NDF: 68.7/56



Right In: 274.363+/-0.047 χ^2/NDF: 2551565.3/30

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

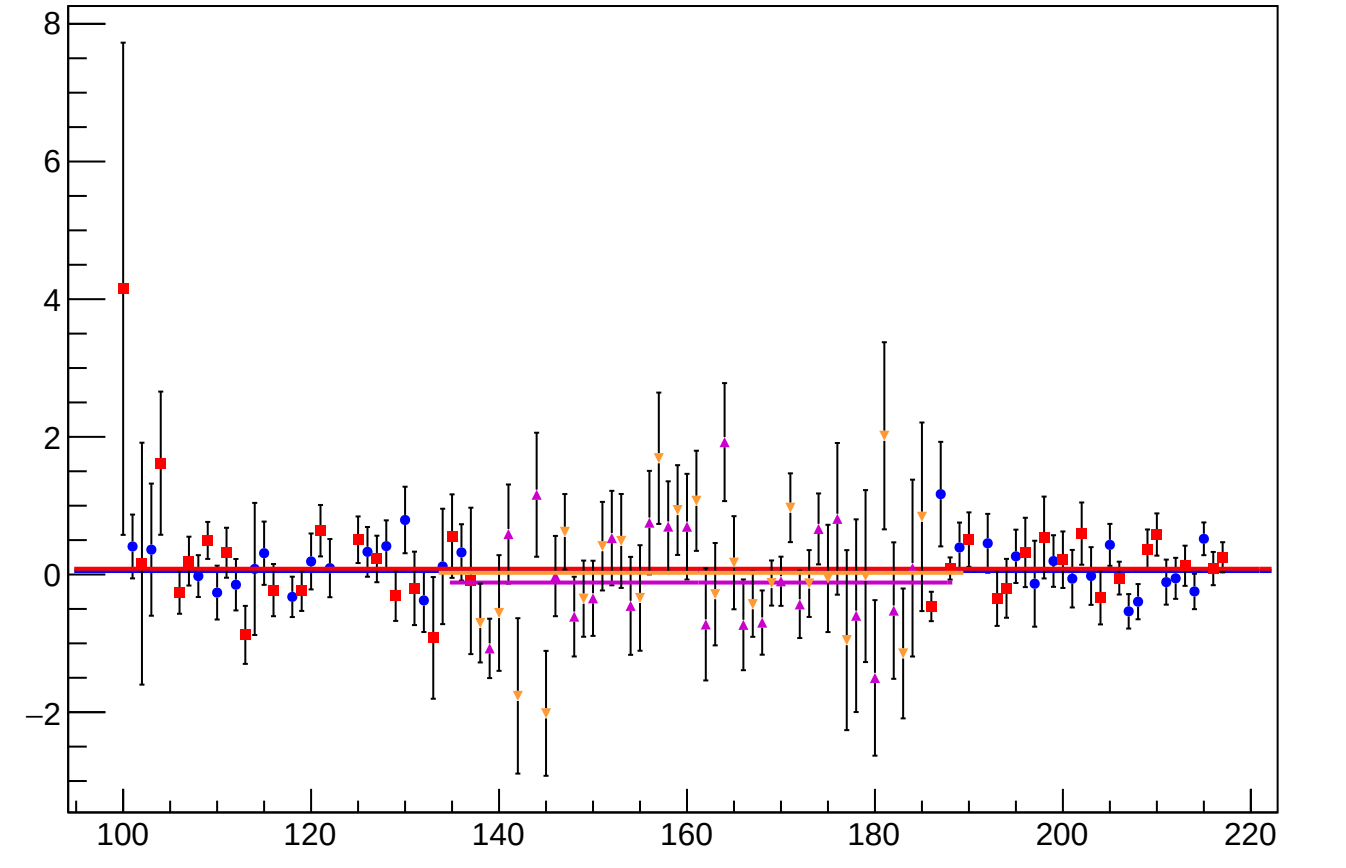
Right Out: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 325.800+/-0.042 χ^2/NDF: 12686390.4/54

All: 301.523+/-0.028 χ^2/NDF: 30466501.5/11

- sign 282.093+/-0.038 χ^2/NDF: 17176791.1/56



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

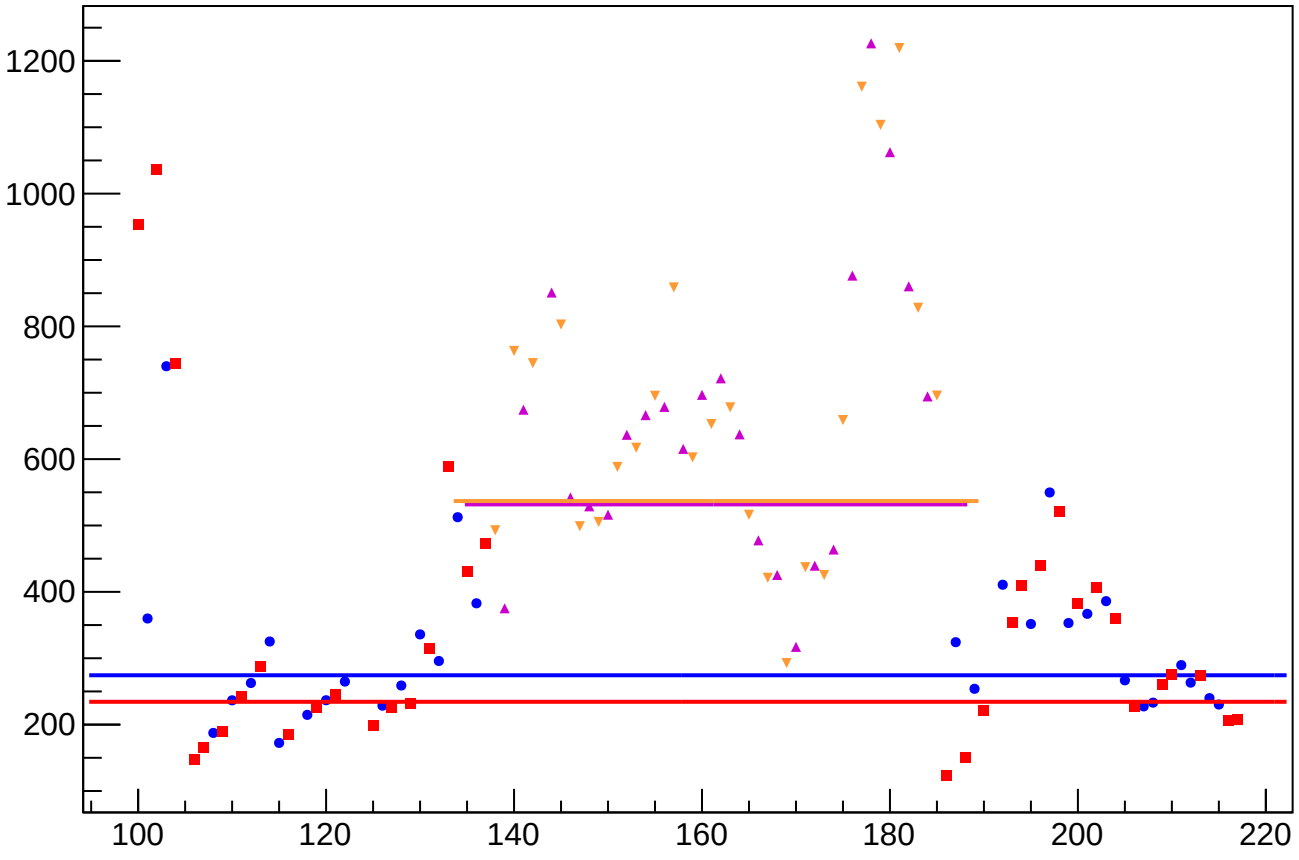
Right Out: 0.084+/-0.058 χ^2/NDF: 39.0/33

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.046+/-0.059 χ^2/NDF: 58.3/54

All: 0.049+/-0.040 χ^2/NDF: 127.0/111

- sign 0.052+/-0.053 χ^2/NDF: 68.7/56



Right In: 274.363+/-0.047 χ^2/NDF: 2551565.3/30

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

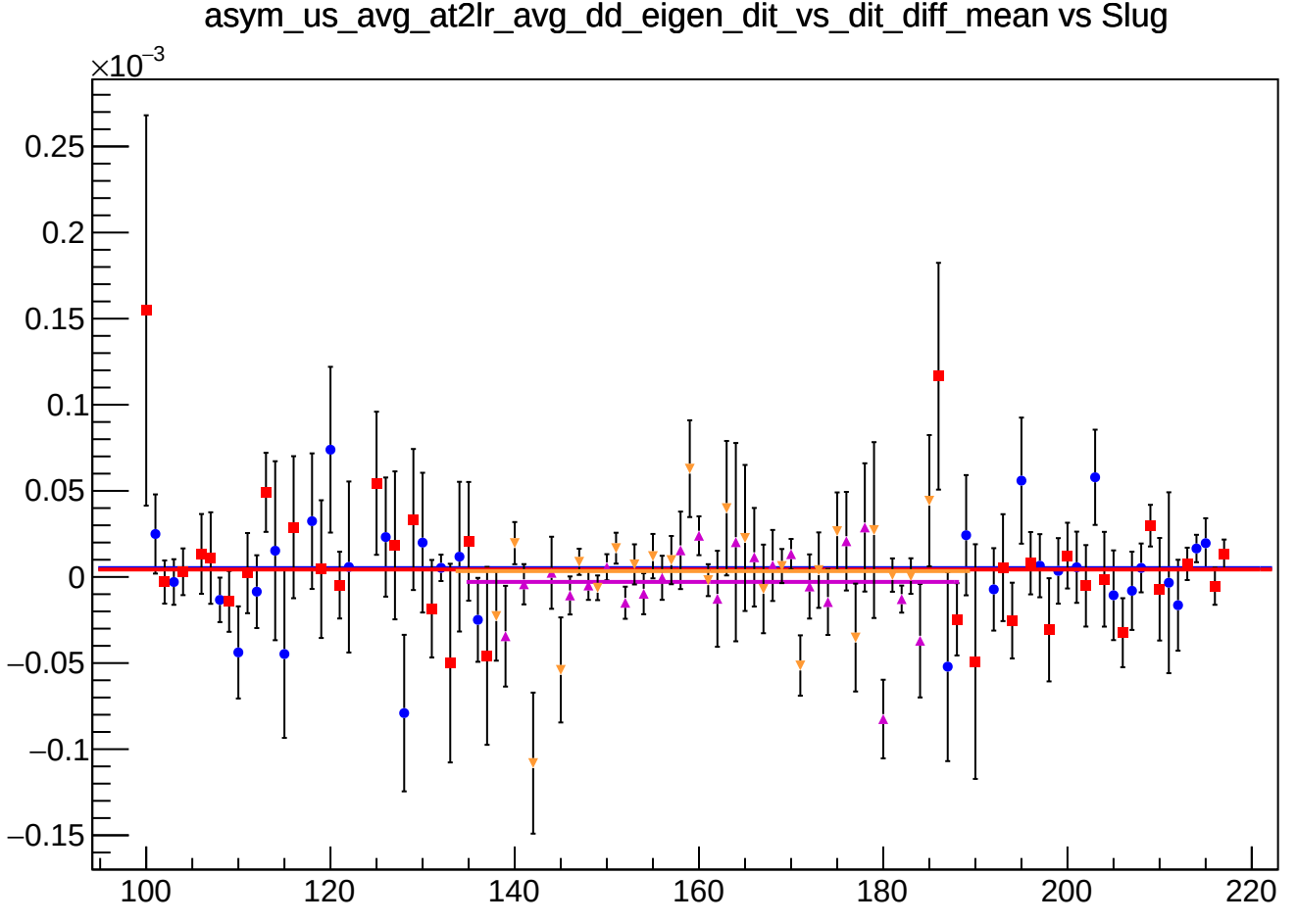
Right Out: 234.381+/-0.041 χ^2/NDF: 5332246.4/33

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 325.800+/-0.042 χ^2/NDF: 12686390.4/54

All: 301.523+/-0.028 χ^2/NDF: 30466501.5/11

- sign 282.093+/-0.038 χ^2/NDF: 17176791.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

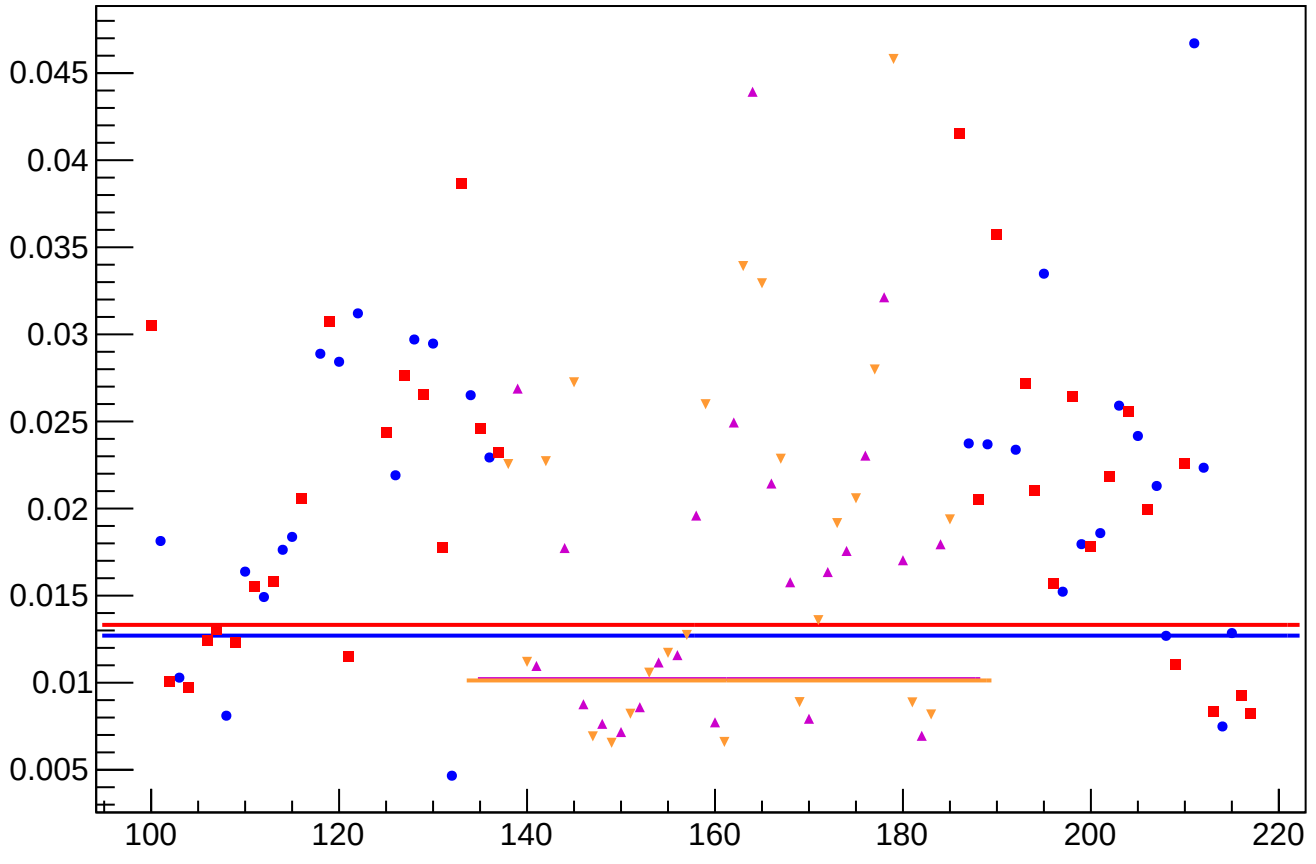
Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/33

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.8/54

All: 0.000+/-0.000 χ^2/NDF: 135.0/111

- sign 0.000+/-0.000 χ^2/NDF: 66.4/56



Right In: 0.013+/-0.000 χ^2/NDF: 9645119.1/30

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

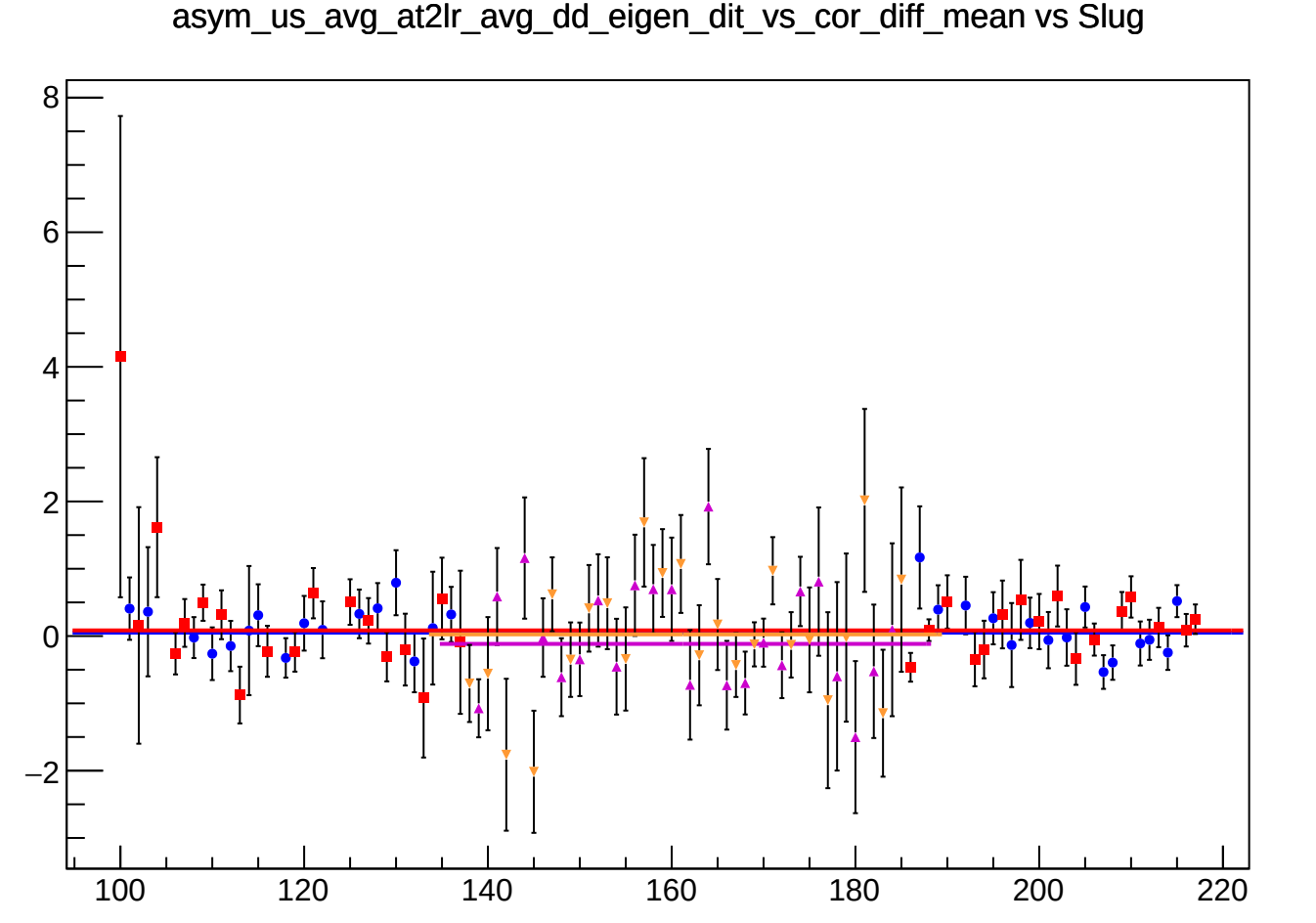
Right Out: 0.013+/-0.000 χ^2/NDF: 6781374.6/33

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 18140826.7/54

All: 0.011+/-0.000 χ^2/NDF: 32055693.6/111

- sign 0.011+/-0.000 χ^2/NDF: 13887785.9/56



Right In: 0.051+/-0.066 χ^2/NDF: 29.2/30

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

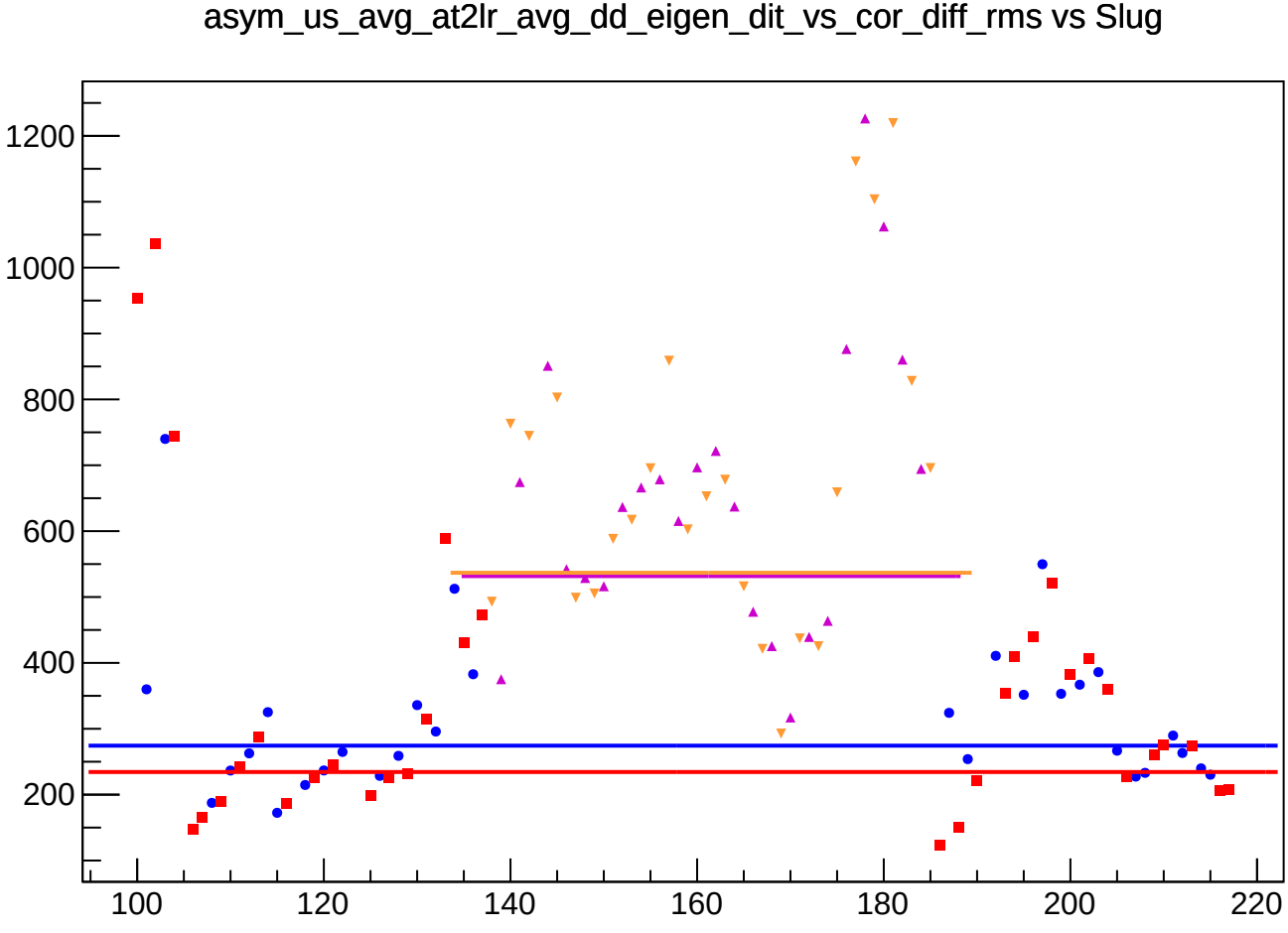
Right Out: 0.084+/-0.058 χ^2/NDF: 39.0/33

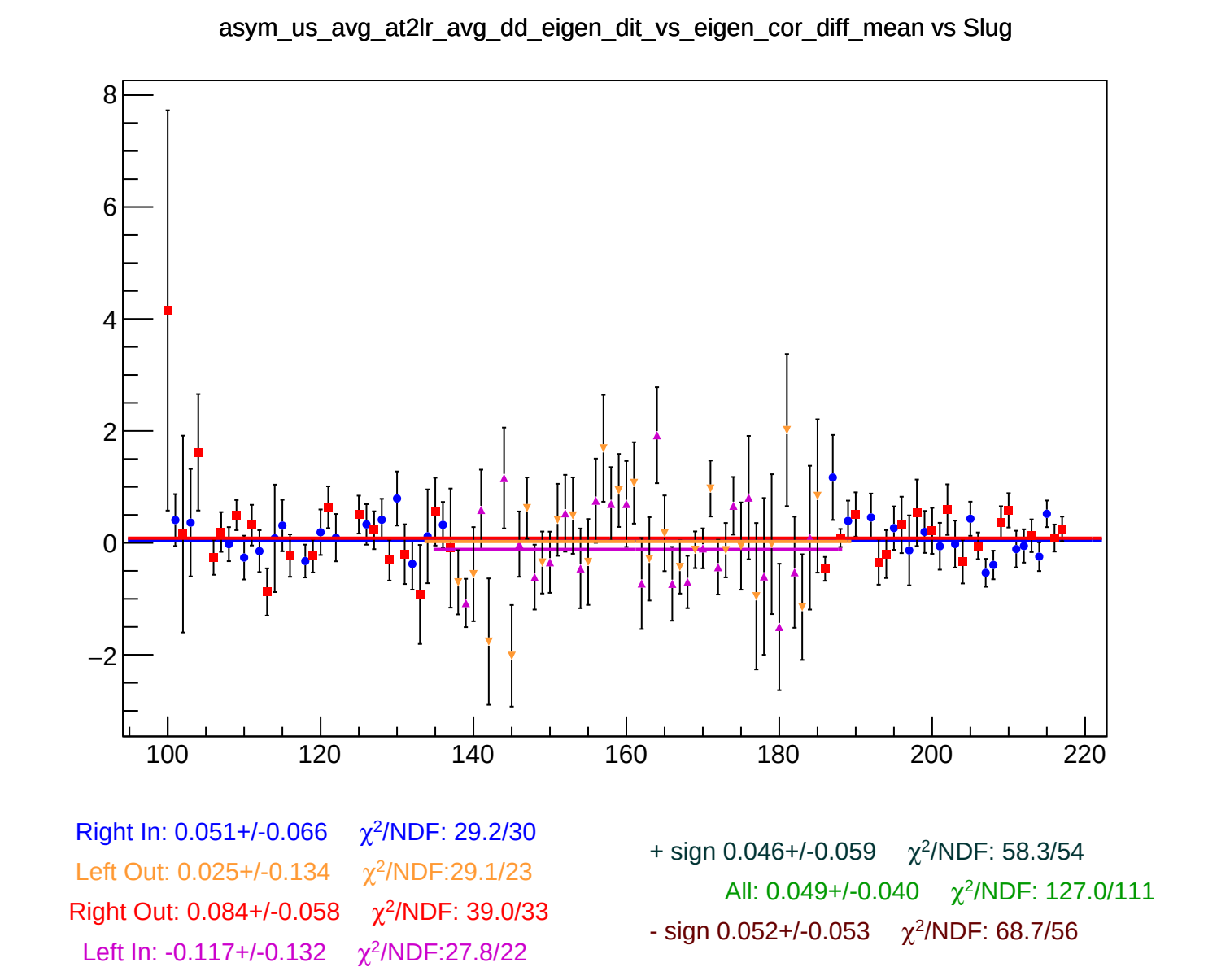
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

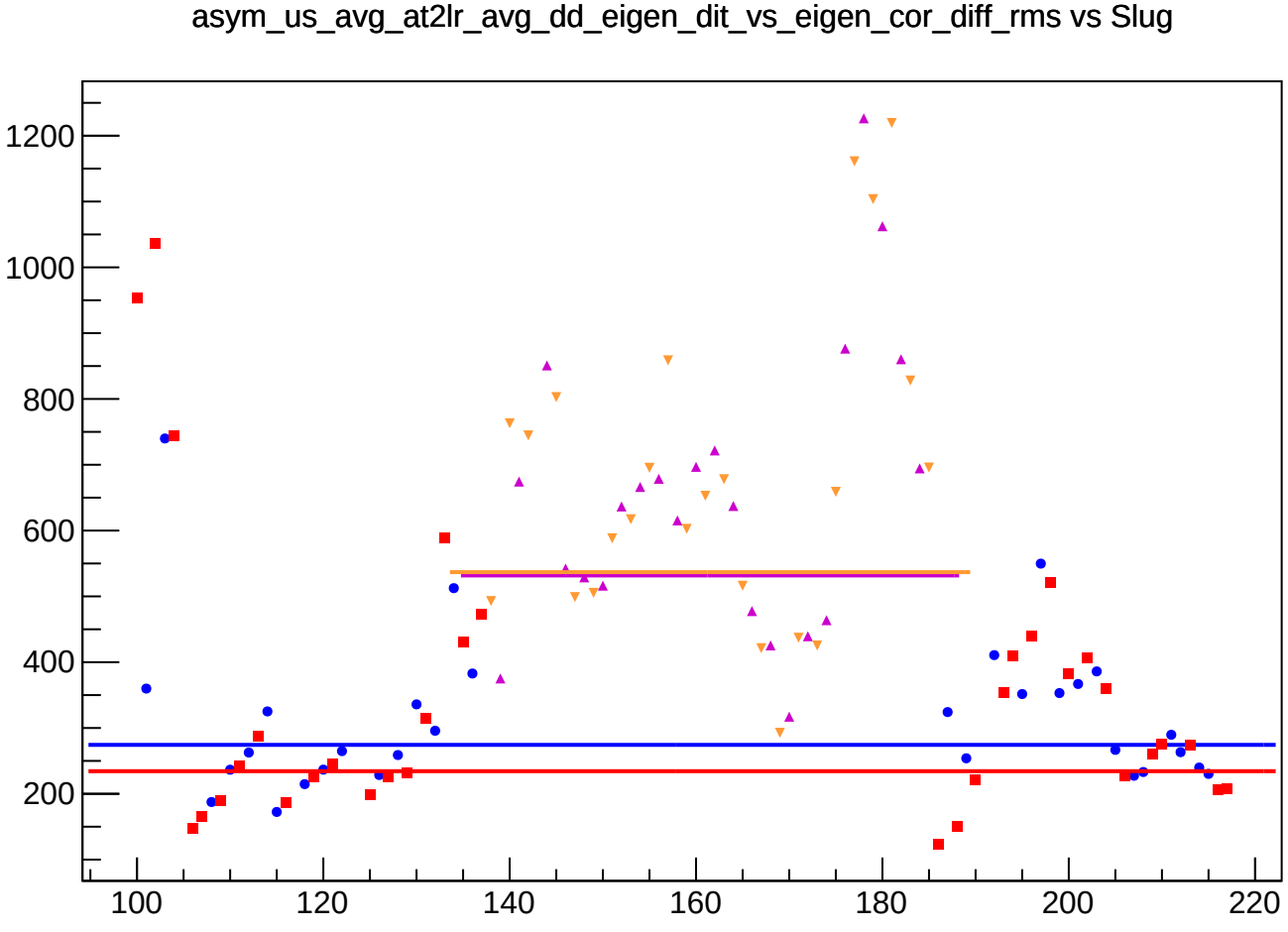
+ sign 0.046+/-0.059 χ^2/NDF: 58.3/54

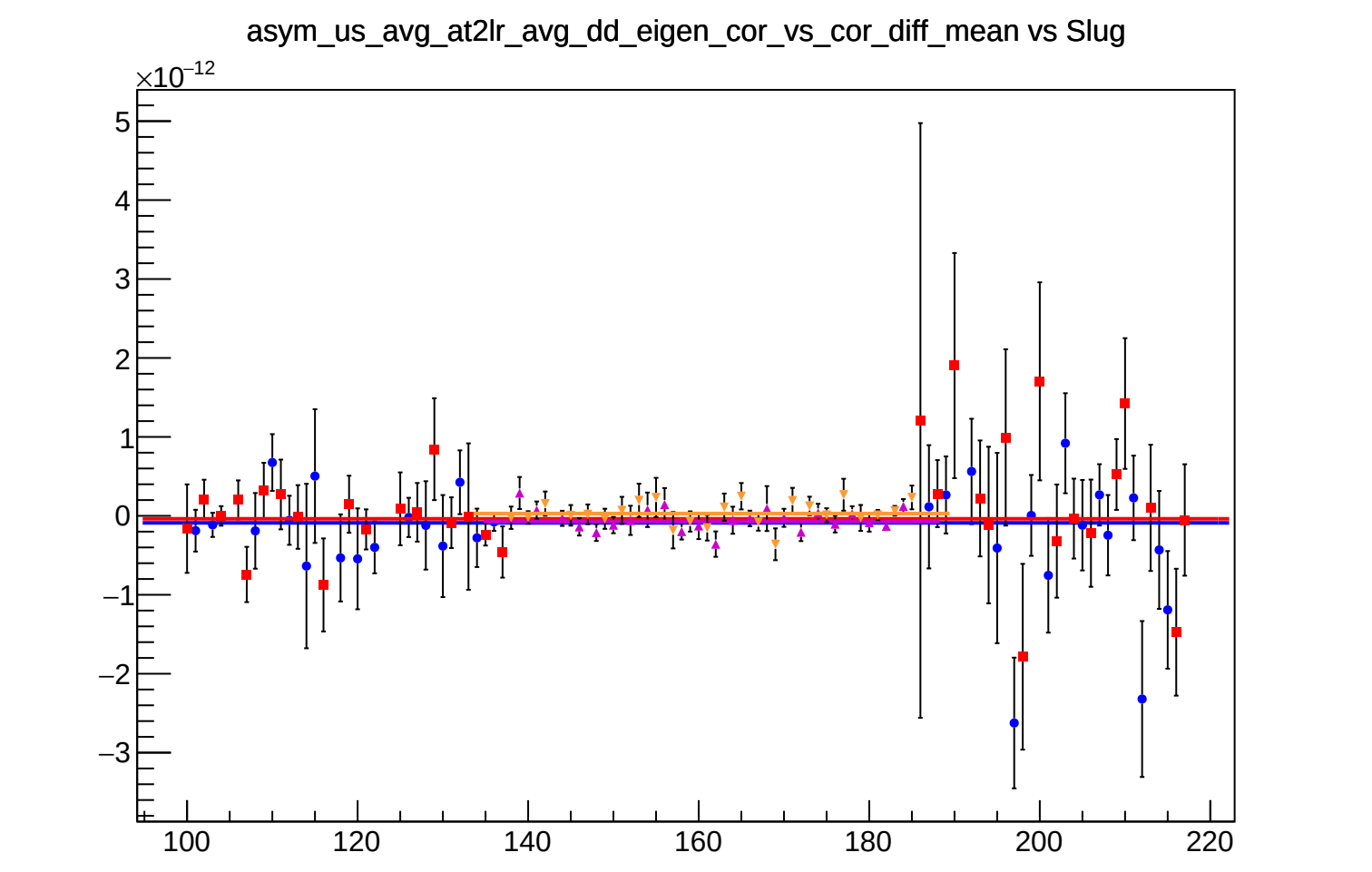
All: 0.049+/-0.040 χ^2/NDF: 127.0/111

- sign 0.052+/-0.053 χ^2/NDF: 68.7/56


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 274.362+/-0.047 χ²/NDF: 2551576.4/30
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 234.379+/-0.041 χ²/NDF: 5332368.7/33
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 325.799+/-0.042 χ²/NDF: 12686636.5/54
All: 301.521+/-0.028 χ²/NDF: 30467194.3/11
- sign 282.091+/-0.038 χ²/NDF: 17177210.7/56


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.051+/-0.066 χ²/NDF: 29.2/30
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.084+/-0.058 χ²/NDF: 39.0/33
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.046+/-0.059 χ²/NDF: 58.3/54
All: 0.049+/-0.040 χ²/NDF: 127.0/111
- sign 0.052+/-0.053 χ²/NDF: 68.7/56


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
220
Right In: 274.362+/-0.047 χ²/NDF: 2551576.4/30
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 234.379+/-0.041 χ²/NDF: 5332368.7/33
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 325.799+/-0.042 χ²/NDF: 12686636.5/54
All: 301.521+/-0.028 χ²/NDF: 30467194.3/11
- sign 282.091+/-0.038 χ²/NDF: 17177210.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

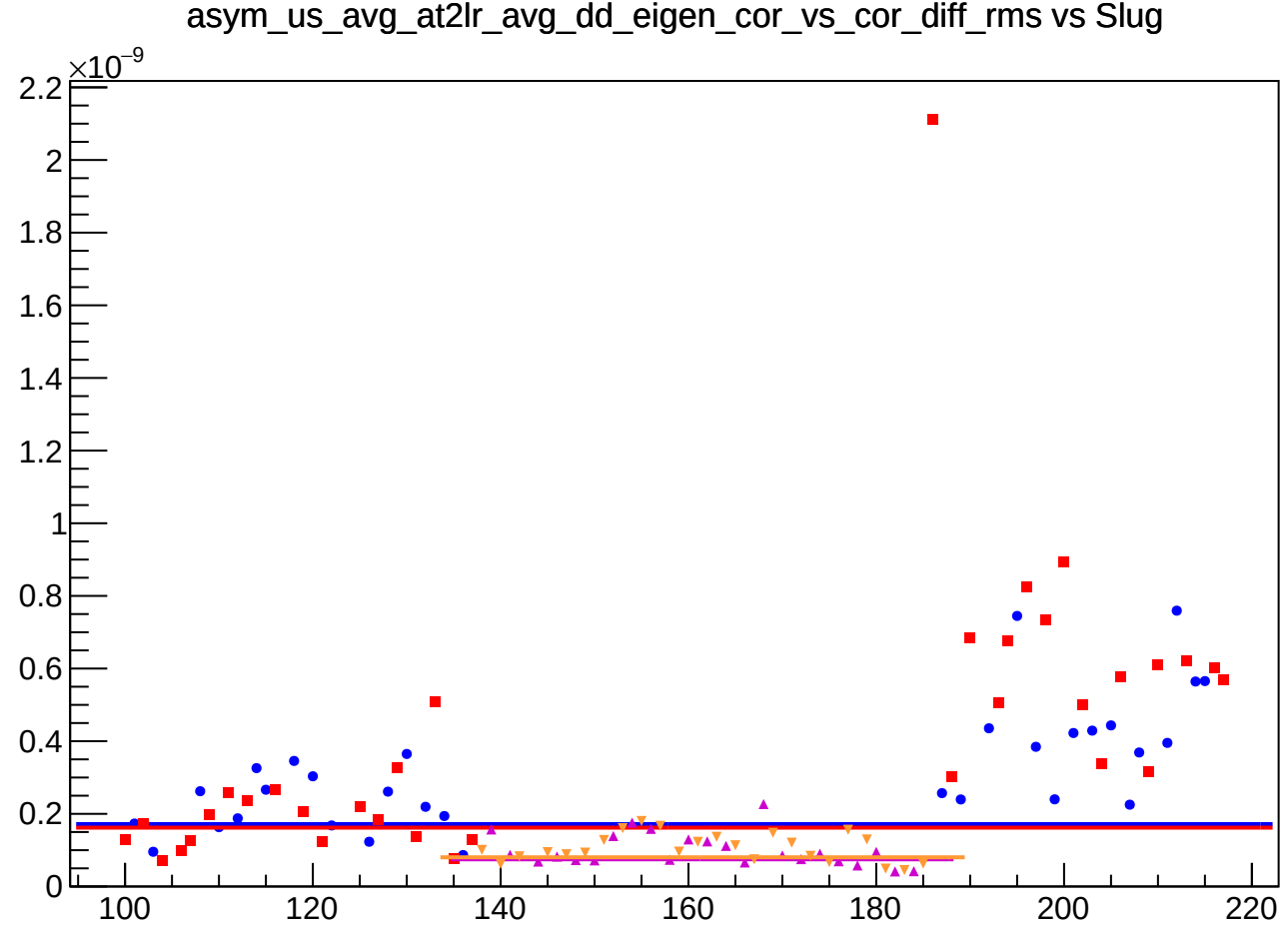
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/33

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.7/54

All: -0.000+/-0.000 χ^2/NDF: 115.5/111

- sign -0.000+/-0.000 χ^2/NDF: 55.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6919947.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10811516.1/33

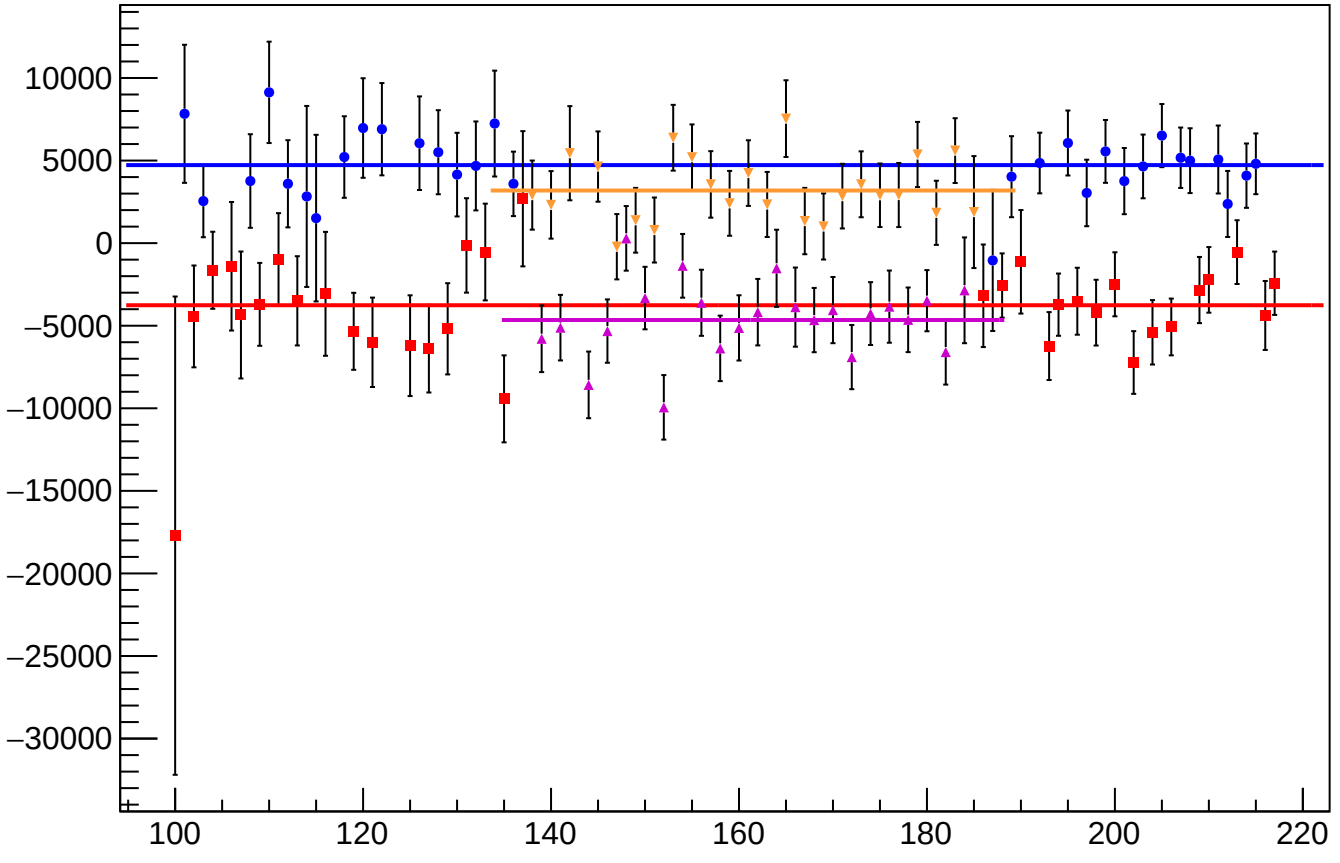
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14283634.3/54

All: 0.000+/-0.000 χ^2/NDF: 32431306.0/111

- sign 0.000+/-0.000 χ^2/NDF: 18068513.7/56

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4725.359+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.592+/-409.395 χ^2/NDF: 28.0/33

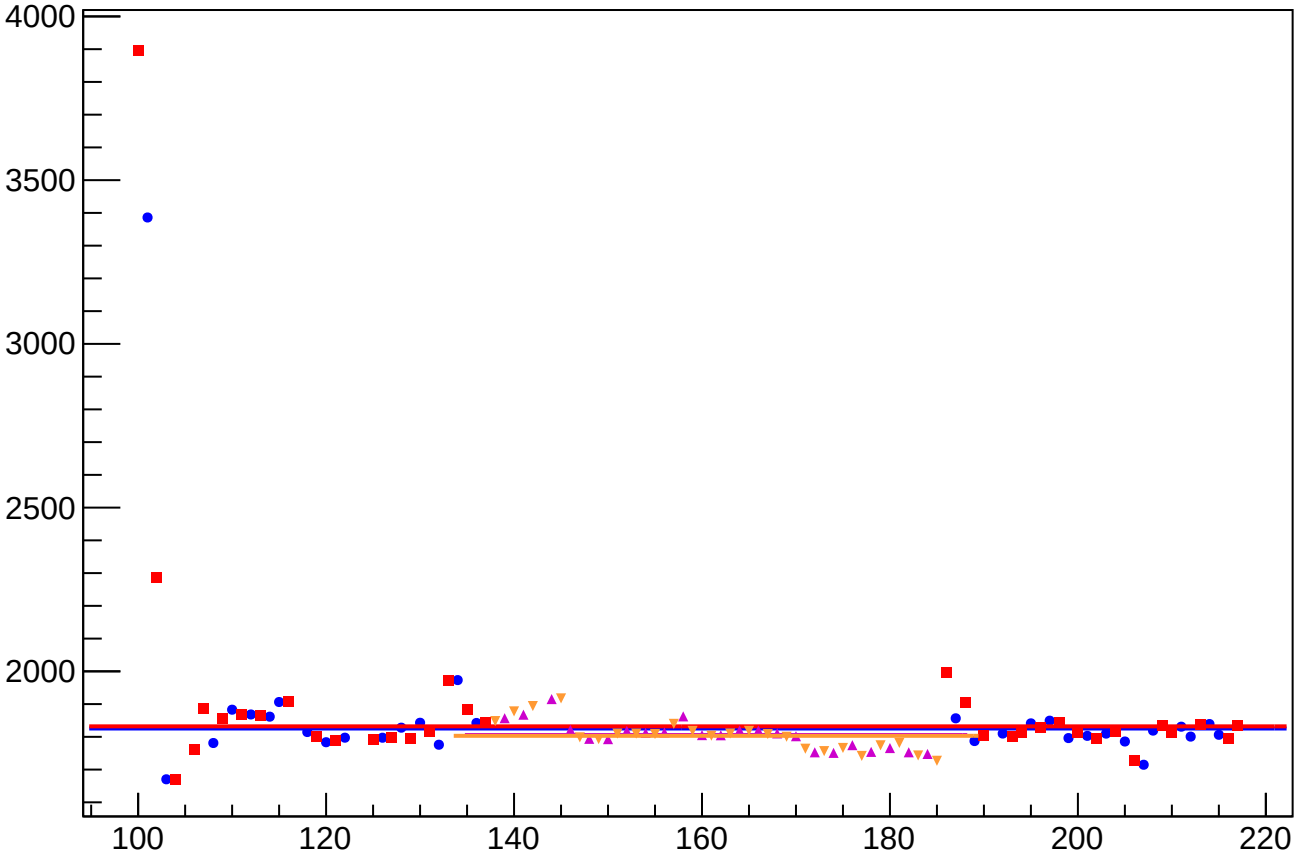
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3958.543+/-295.565 χ^2/NDF: 39.5/54

All: -143.353+/-208.347 χ^2/NDF: 480.4/111

- sign -4194.665+/-293.737 χ^2/NDF: 58.1/56

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.444+/-0.295 χ^2/NDF: 307928.9/30

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

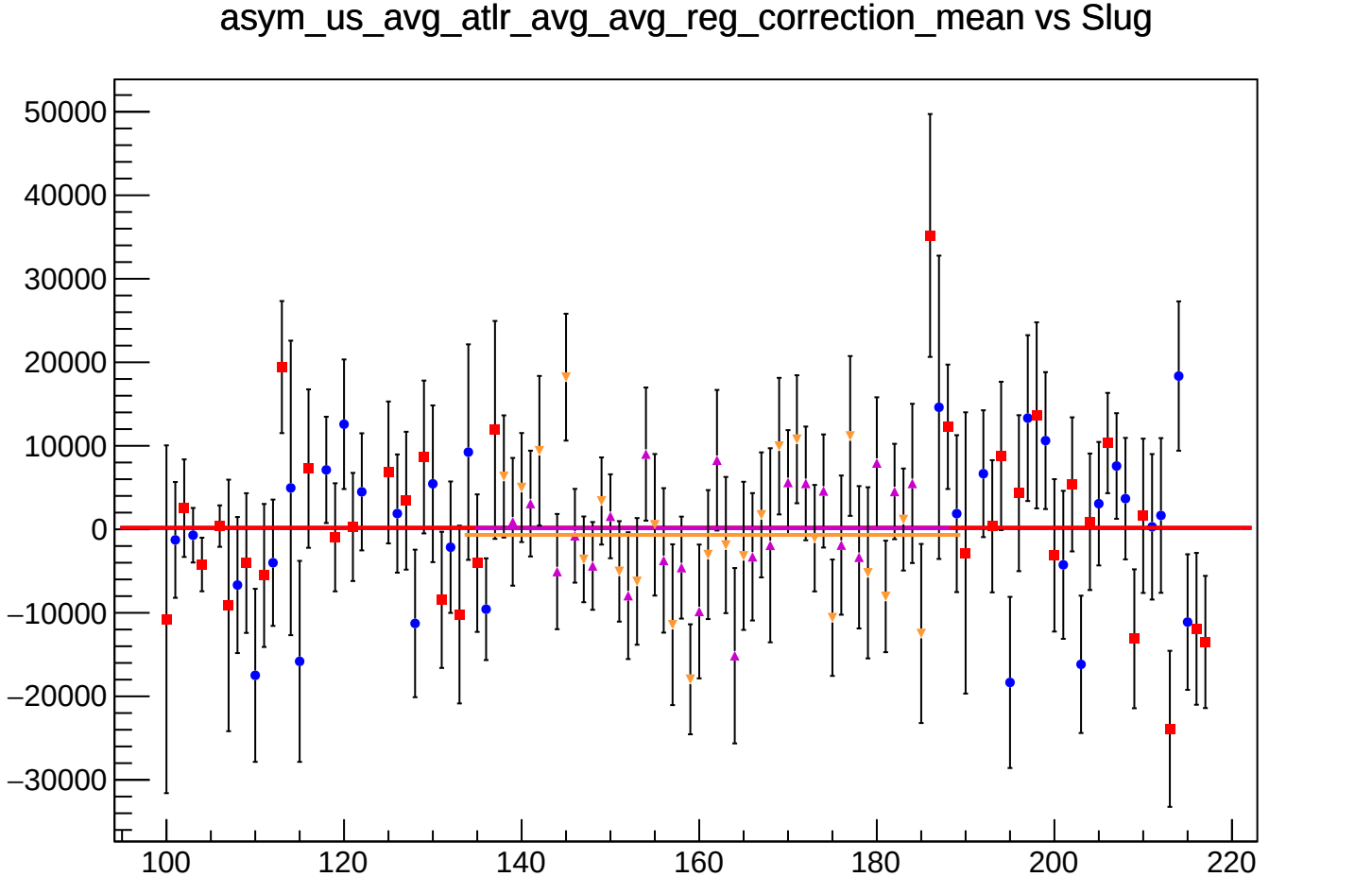
Right Out: 1832.012+/-0.289 χ^2/NDF: 122213.2/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1814.312+/-0.209 χ^2/NDF: 331423.6/54

All: 1816.768+/-0.147 χ^2/NDF: 477281.5/11

- sign 1819.190+/-0.208 χ^2/NDF: 145583.6/56



Right In: 153.477+/-1373.885 χ^2/NDF: 35.3/30

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

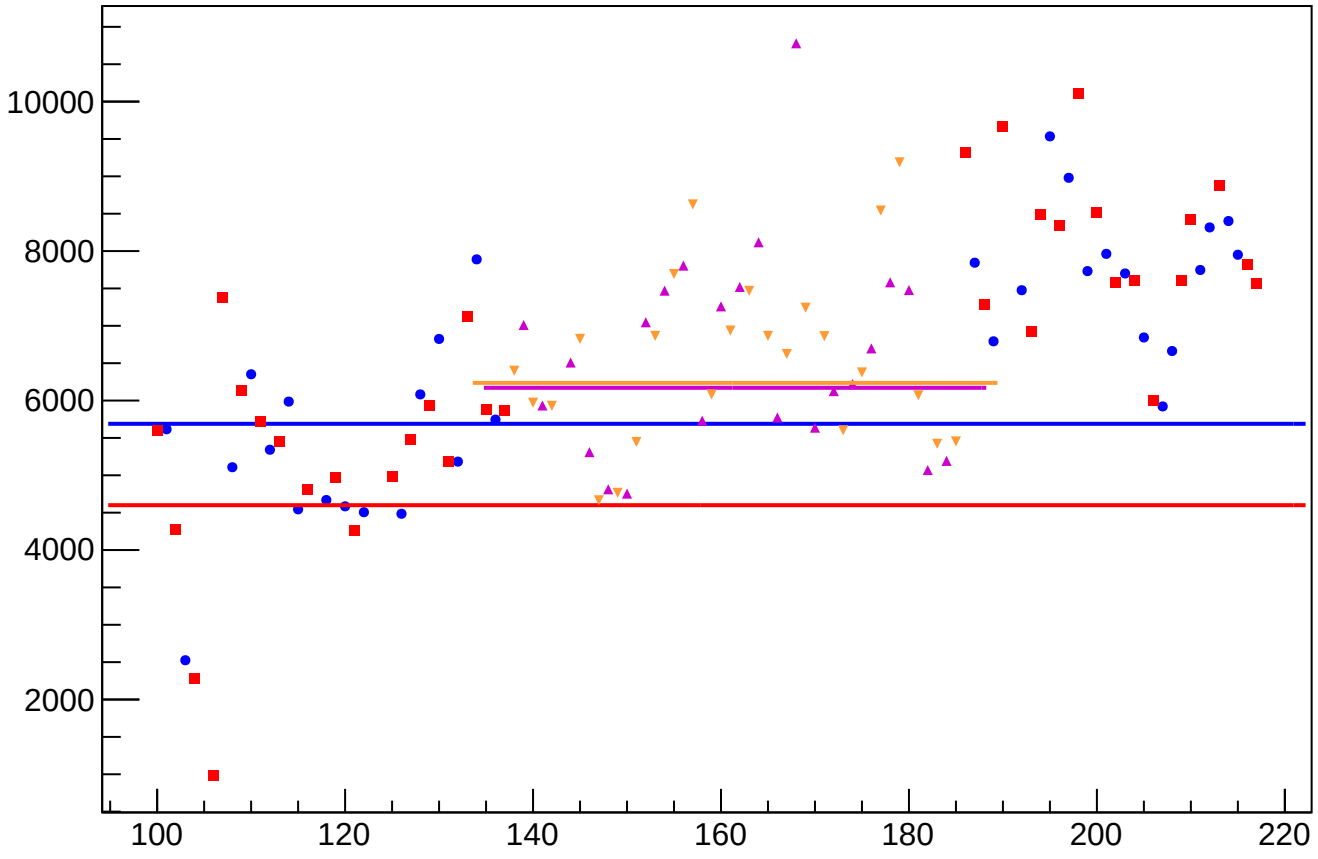
Right Out: 206.402+/-1200.723 χ^2/NDF: 43.1/33

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -226.740+/-1006.531 χ^2/NDF: 65.2/54

All: -6.717+/-683.174 χ^2/NDF: 122.0/111

- sign 181.231+/-930.276 χ^2/NDF: 56.7/56



Right In: 5688.964+/-0.971 χ^2/NDF: 3965055.0/30

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4600.210+/-0.849 χ^2/NDF: 10368256.4/33

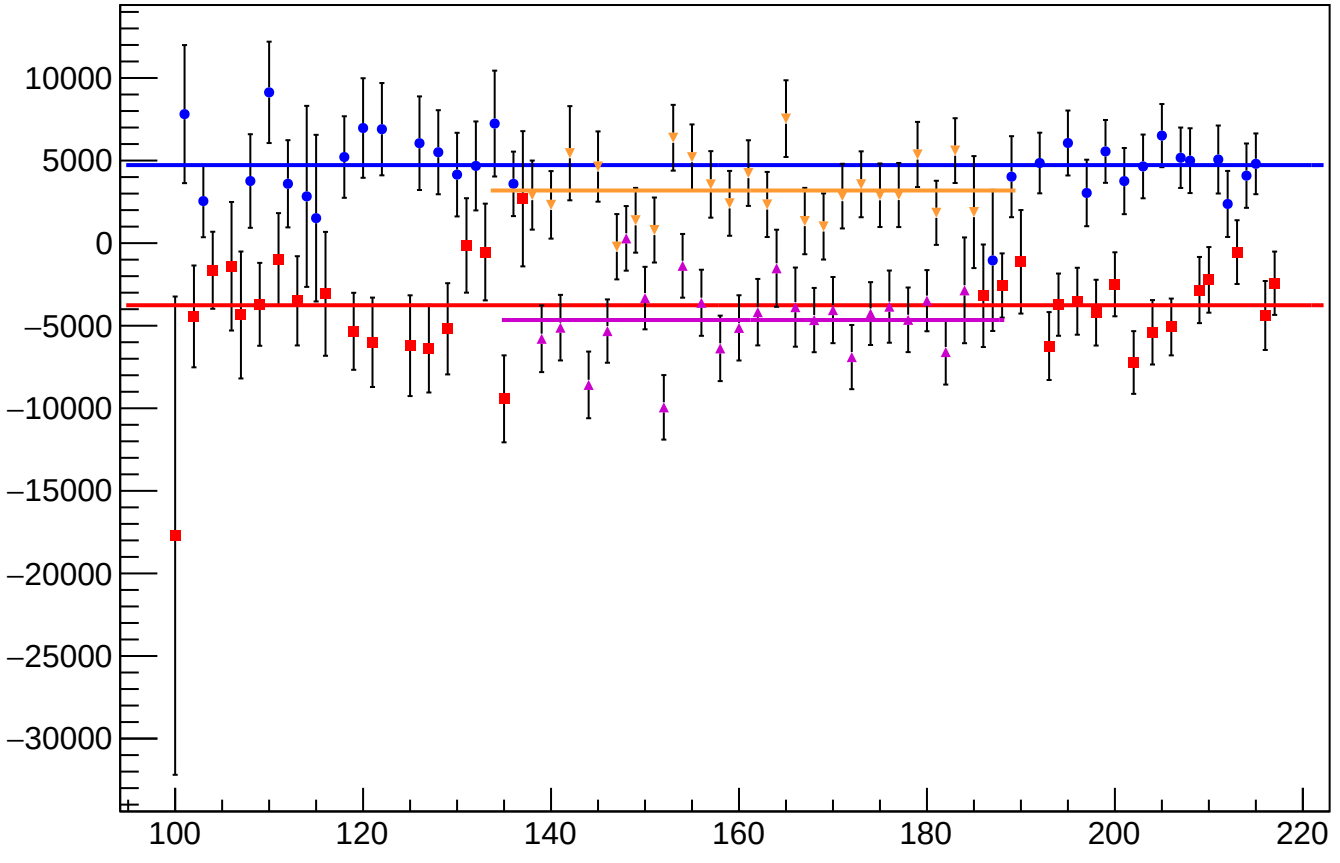
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5942.686+/-0.712 χ^2/NDF: 5179947.9/54

All: 5557.268+/-0.483 χ^2/NDF: 18697380.6/1

- sign 5228.036+/-0.658 χ^2/NDF: 12973681.5/56

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4725.173+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.522+/-409.395 χ^2/NDF: 28.0/33

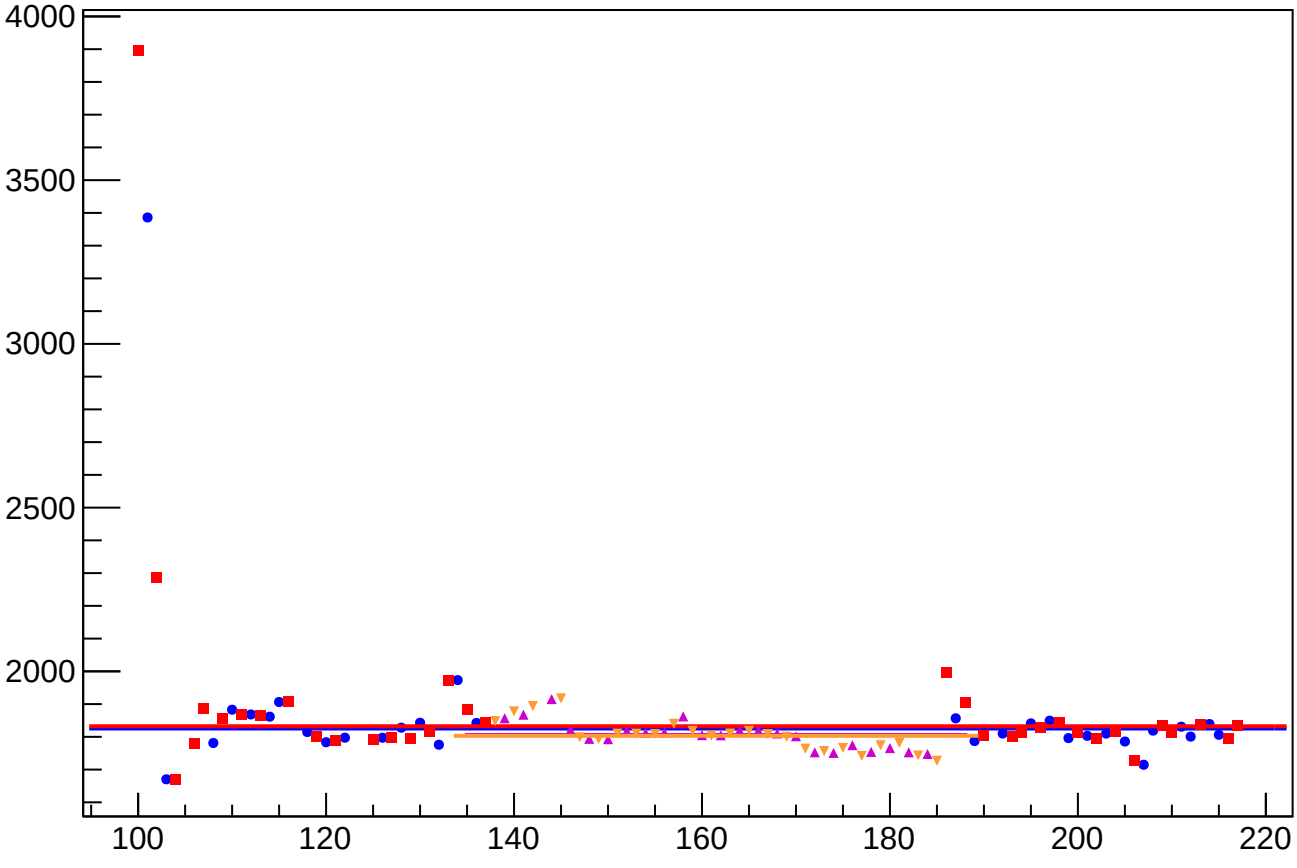
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3958.415+/-295.565 χ^2/NDF: 39.5/54

All: -143.403+/-208.347 χ^2/NDF: 480.4/111

- sign -4194.639+/-293.737 χ^2/NDF: 58.1/56

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.444+/-0.295 χ^2/NDF: 307930.8/30

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

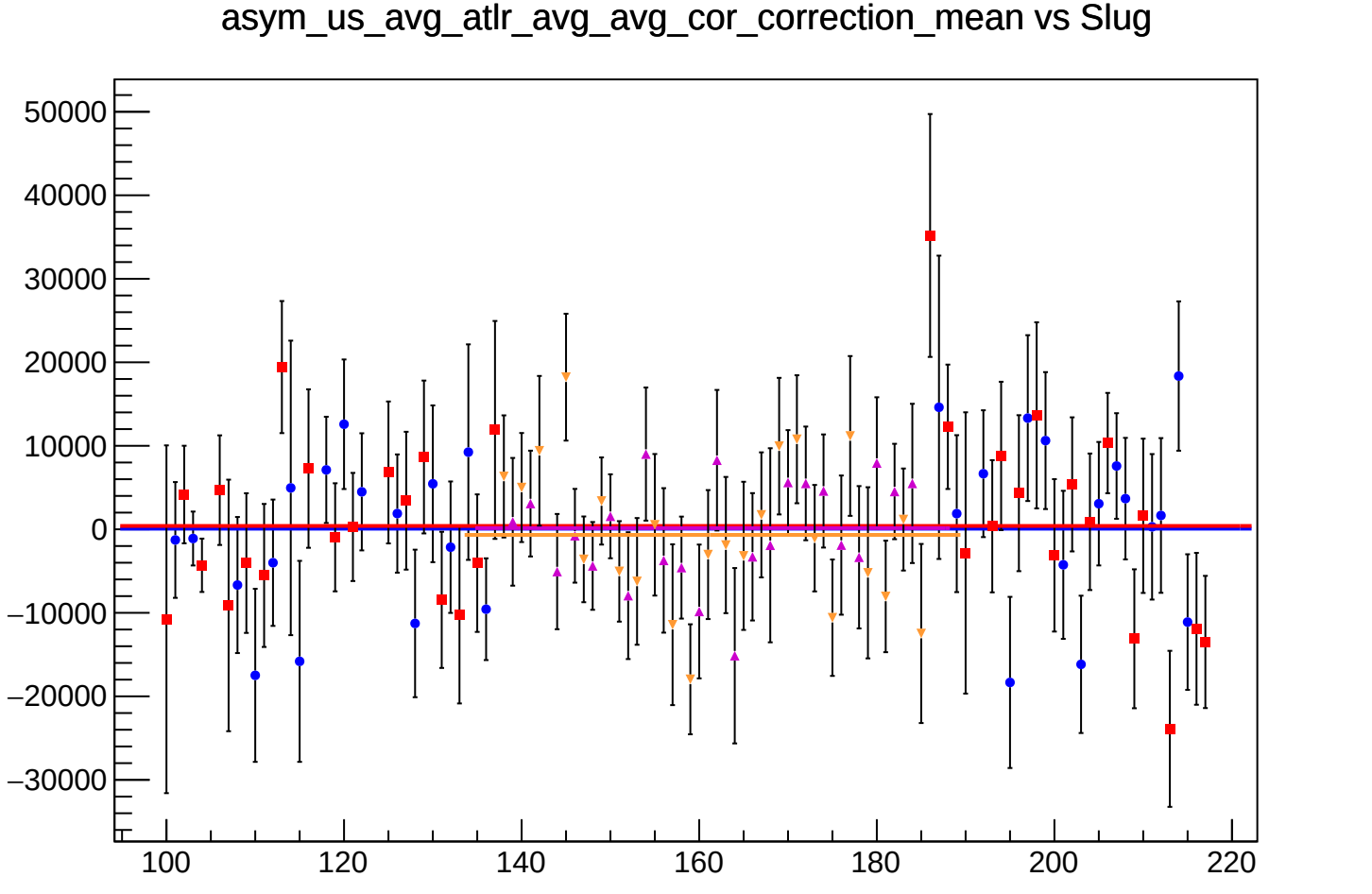
Right Out: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.313+/-0.209 χ^2/NDF: 331425.5/54

All: 1816.829+/-0.147 χ^2/NDF: 477026.7/11

- sign 1819.313+/-0.208 χ^2/NDF: 145313.1/56



Right In: 78.341+/-1370.900 χ^2/NDF: 35.3/30

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

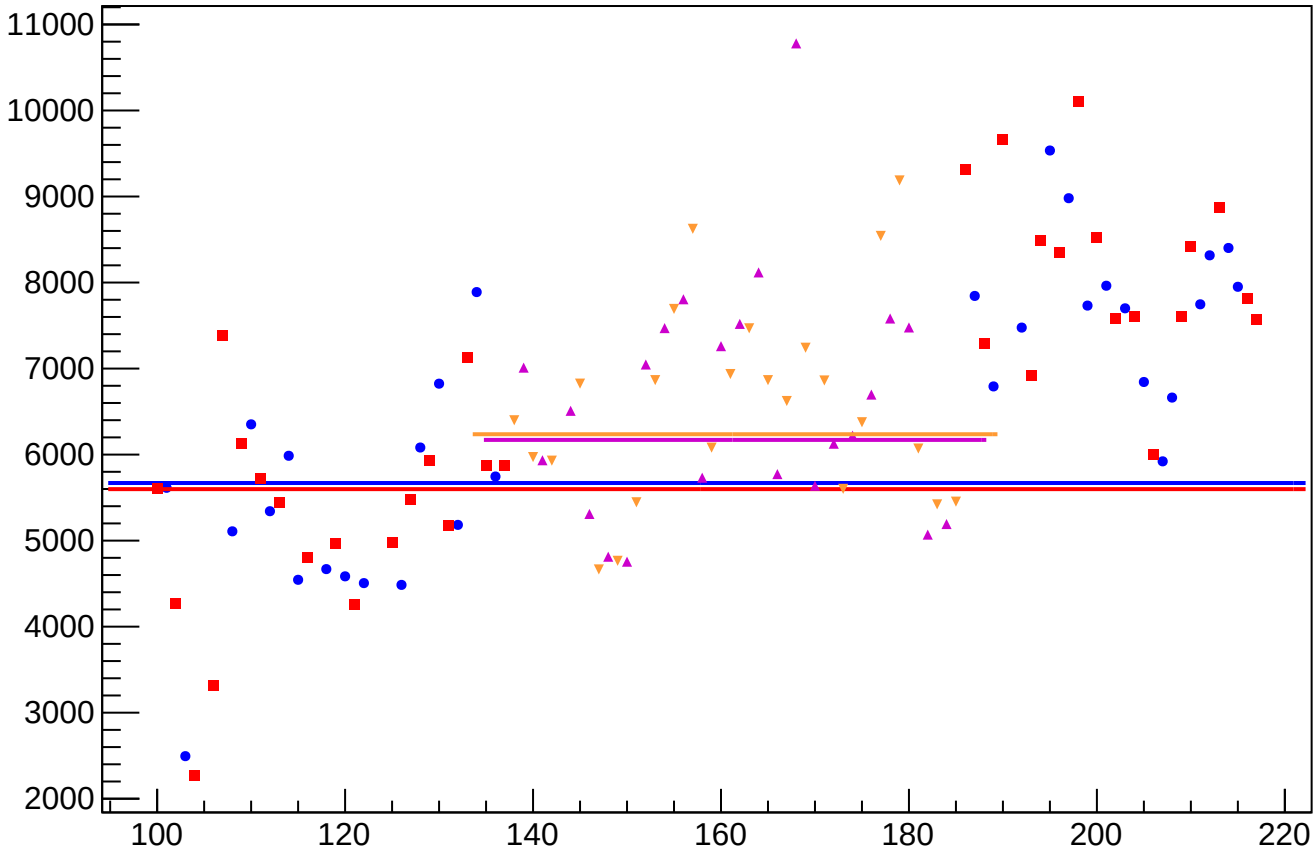
Right Out: 403.190+/-1341.844 χ^2/NDF: 44.0/33

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -266.262+/-1005.356 χ^2/NDF: 65.3/54

All: 13.314+/-705.931 χ^2/NDF: 123.0/111

- sign 285.217+/-991.463 χ^2/NDF: 57.6/56



Right In: 5669.673+/-0.969 χ^2/NDF: 4048300.7/30

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

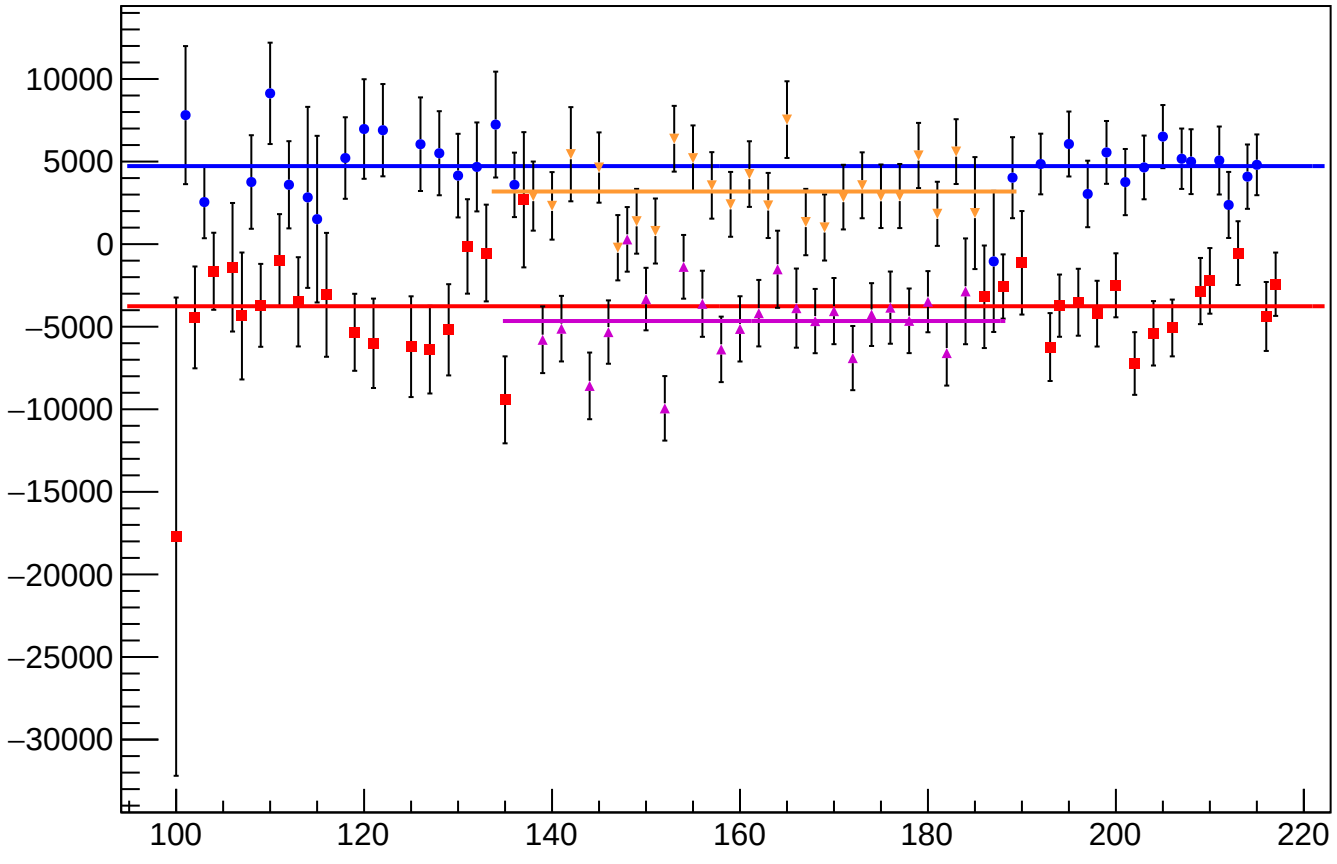
Right Out: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

\+ sign 5931.718+/-0.711 χ^2/NDF: 5274072.1/54

All: 5894.534+/-0.499 χ^2/NDF: 11786650.7/1

\- sign 5858.371+/-0.701 χ^2/NDF: 6507182.1/56



Right In: 4725.173+/-417.368 χ^2/NDF: 12.9/30

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3760.522+/-409.395 χ^2/NDF: 28.0/33

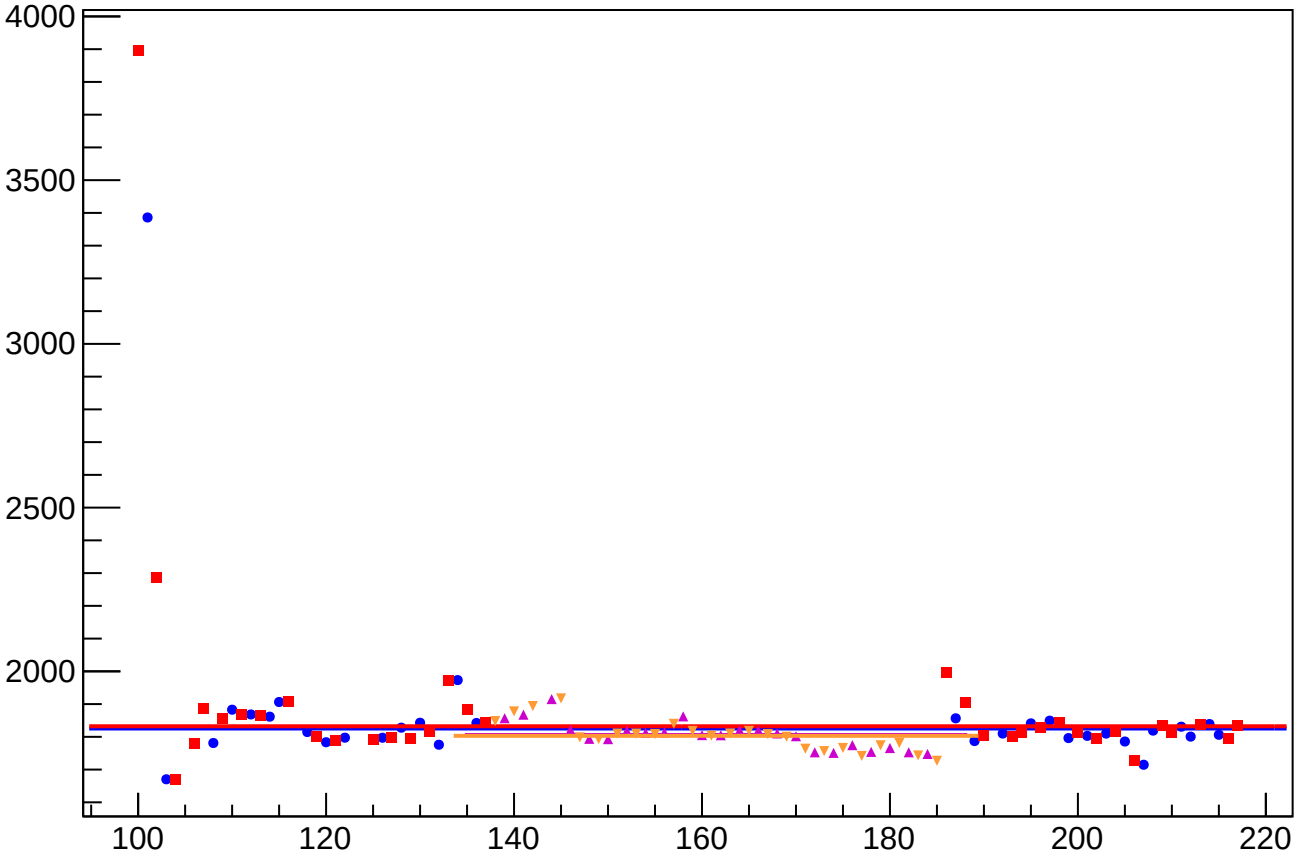
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3958.415+/-295.565 χ^2/NDF: 39.5/54

All: -143.403+/-208.347 χ^2/NDF: 480.4/111

- sign -4194.639+/-293.737 χ^2/NDF: 58.1/56

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1825.444+/-0.295 χ^2/NDF: 307930.8/30

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

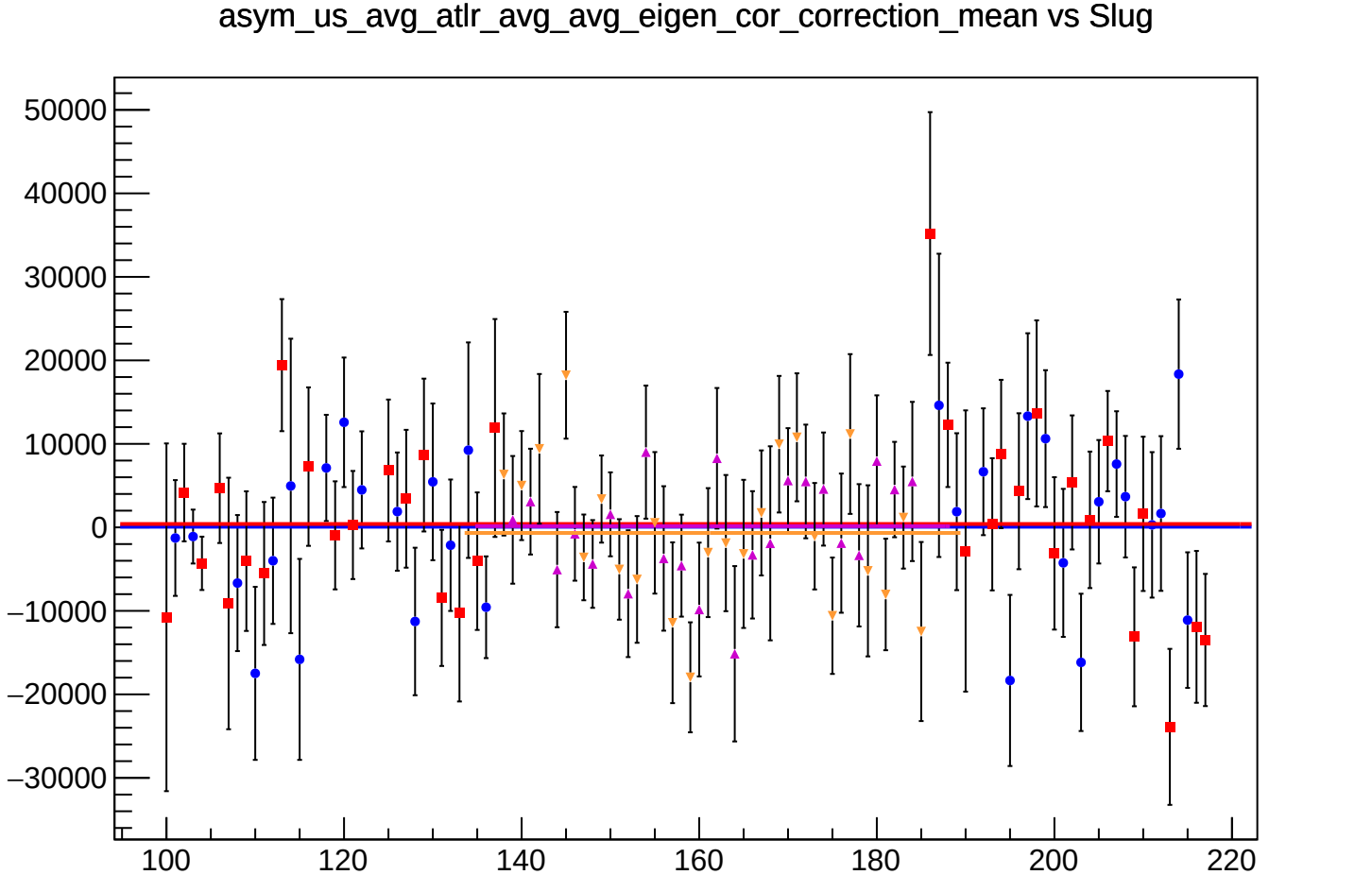
Right Out: 1832.252+/-0.289 χ^2/NDF: 121869.1/33

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.313+/-0.209 χ^2/NDF: 331425.5/54

All: 1816.829+/-0.147 χ^2/NDF: 477026.7/11

- sign 1819.313+/-0.208 χ^2/NDF: 145313.1/56



Right In: 78.341+/-1370.900 χ^2/NDF: 35.3/30

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

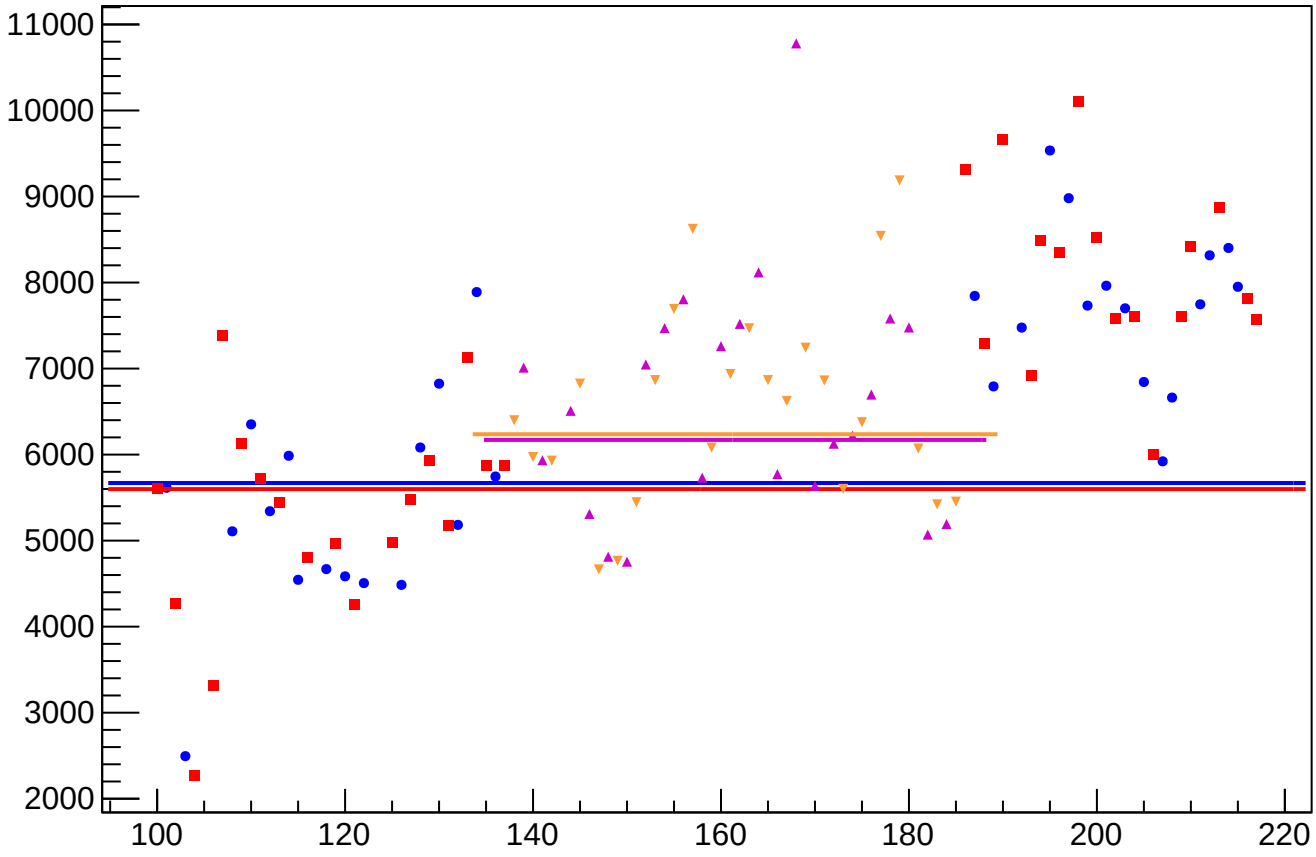
Right Out: 403.190+/-1341.844 χ^2/NDF: 44.0/33

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -266.262+/-1005.356 χ^2/NDF: 65.3/54

All: 13.314+/-705.931 χ^2/NDF: 123.0/111

- sign 285.217+/-991.463 χ^2/NDF: 57.6/56



Right In: 5669.673+/-0.969 χ^2/NDF: 4048300.7/30

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5598.538+/-0.949 χ^2/NDF: 5104456.7/33

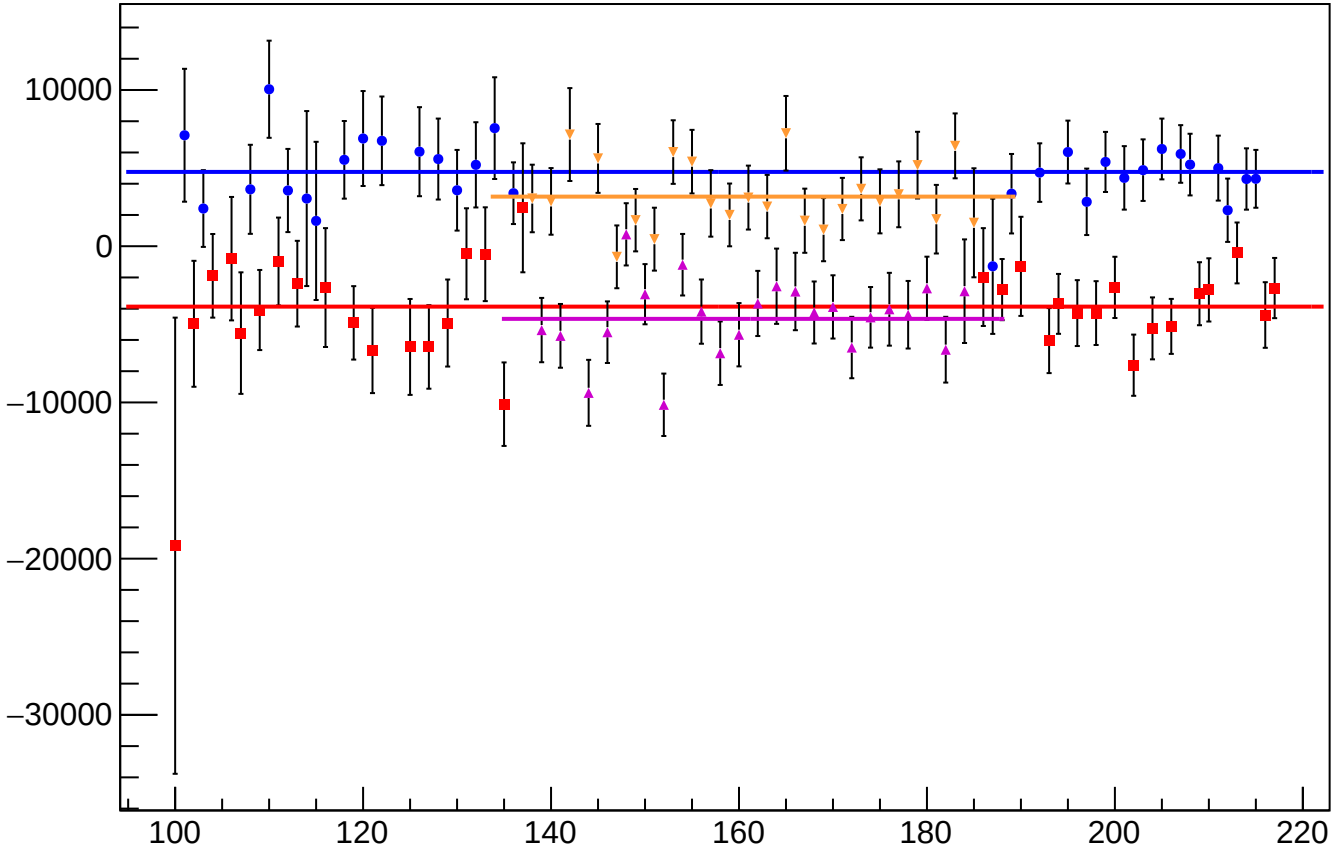
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

\+ sign 5931.718+/-0.711 χ^2/NDF: 5274072.1/54

All: 5894.534+/-0.499 χ^2/NDF: 11786650.7/1

\- sign 5858.371+/-0.701 χ^2/NDF: 6507182.1/56

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4756.269+/-425.133 χ^2/NDF: 14.0/30

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3867.024+/-418.427 χ^2/NDF: 29.0/33

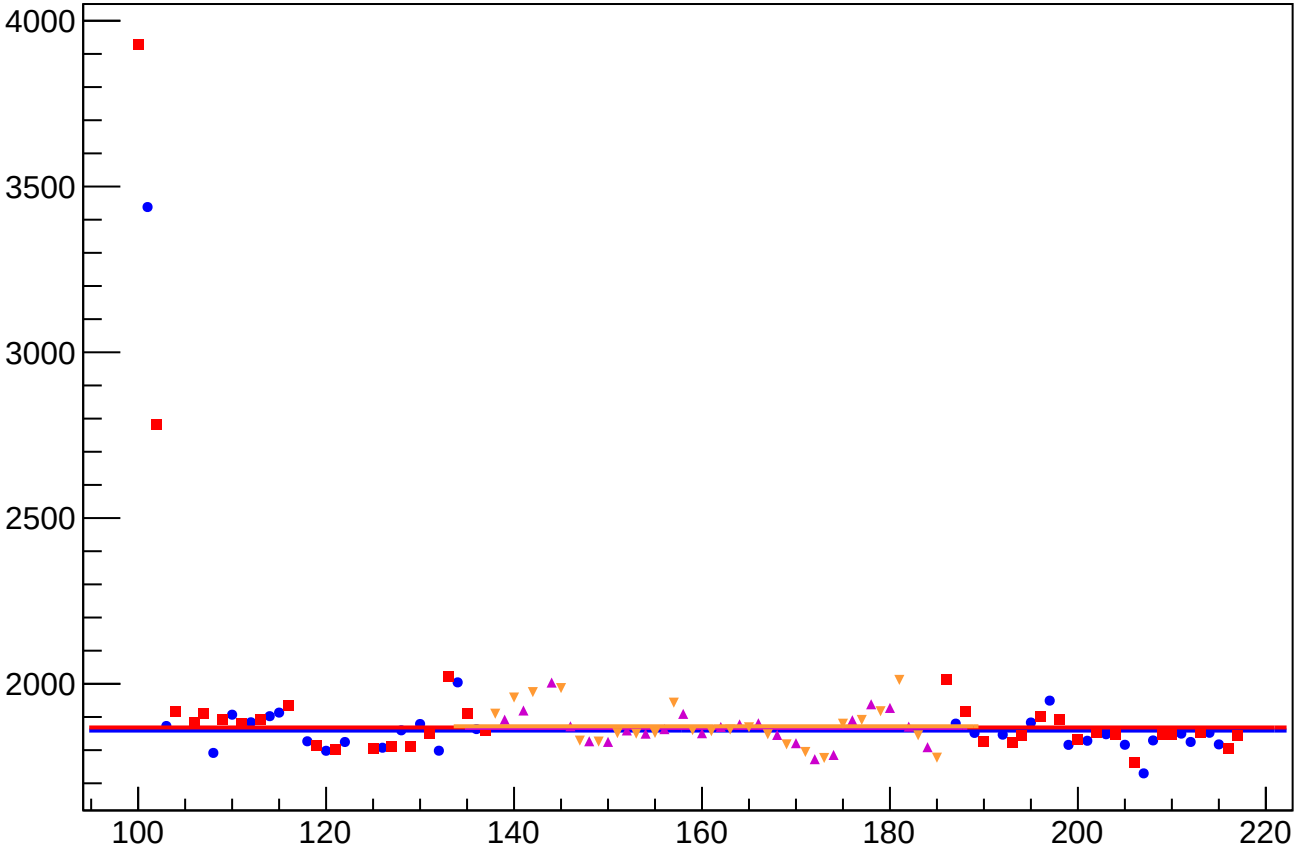
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3983.215+/-303.980 χ^2/NDF: 42.3/54

All: -157.046+/-214.228 χ^2/NDF: 472.1/111

- sign -4242.459+/-301.960 χ^2/NDF: 61.2/56

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.002+/-0.301 χ^2/NDF: 303506.5/30

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

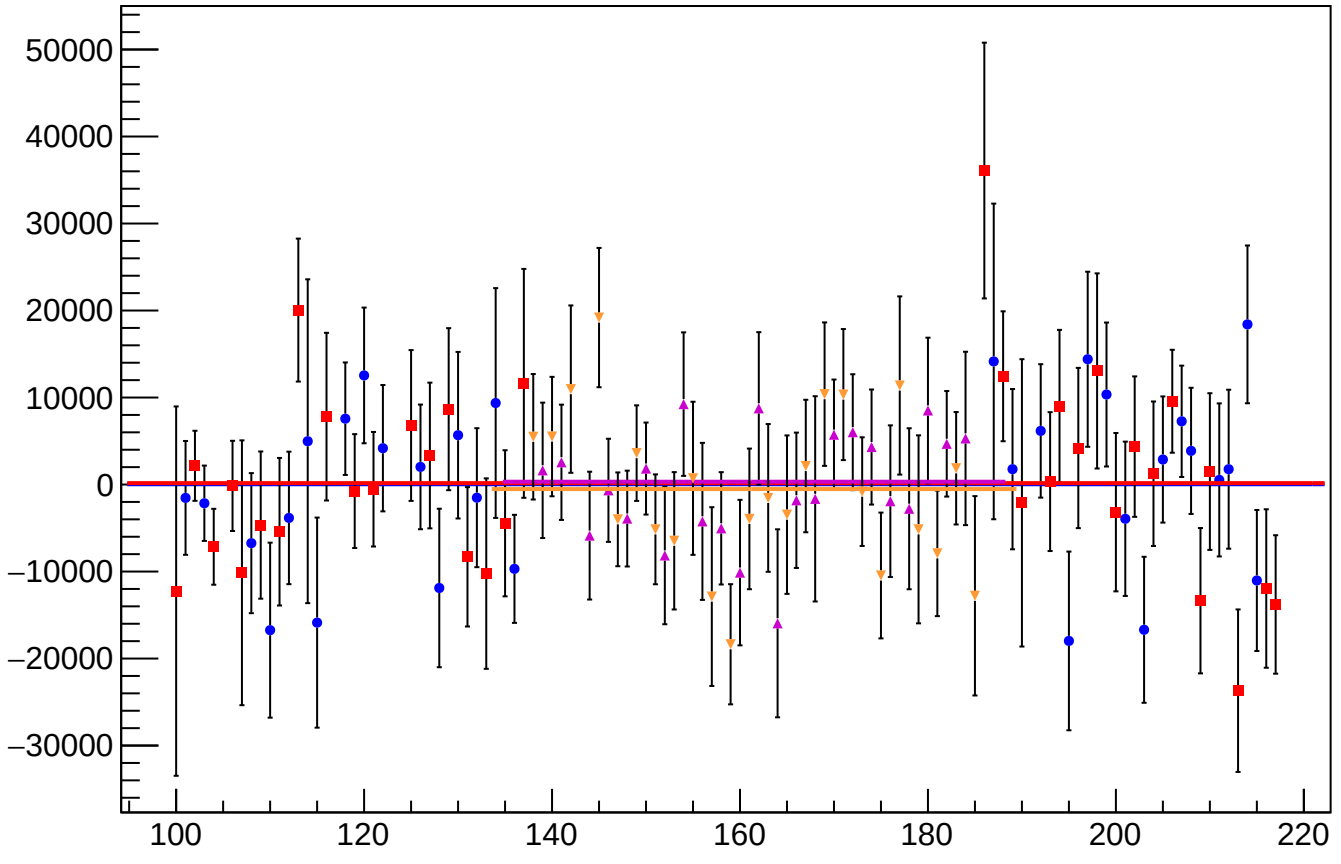
Right Out: 1868.403+/-0.296 χ^2/NDF: 173629.1/33

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1865.345+/-0.215 χ^2/NDF: 341572.1/54

All: 1866.565+/-0.151 χ^2/NDF: 542521.6/111

- sign 1867.769+/-0.213 χ^2/NDF: 200885.4/56



Right In: 34.954+/-1434.929 χ^2/NDF: 35.1/30

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

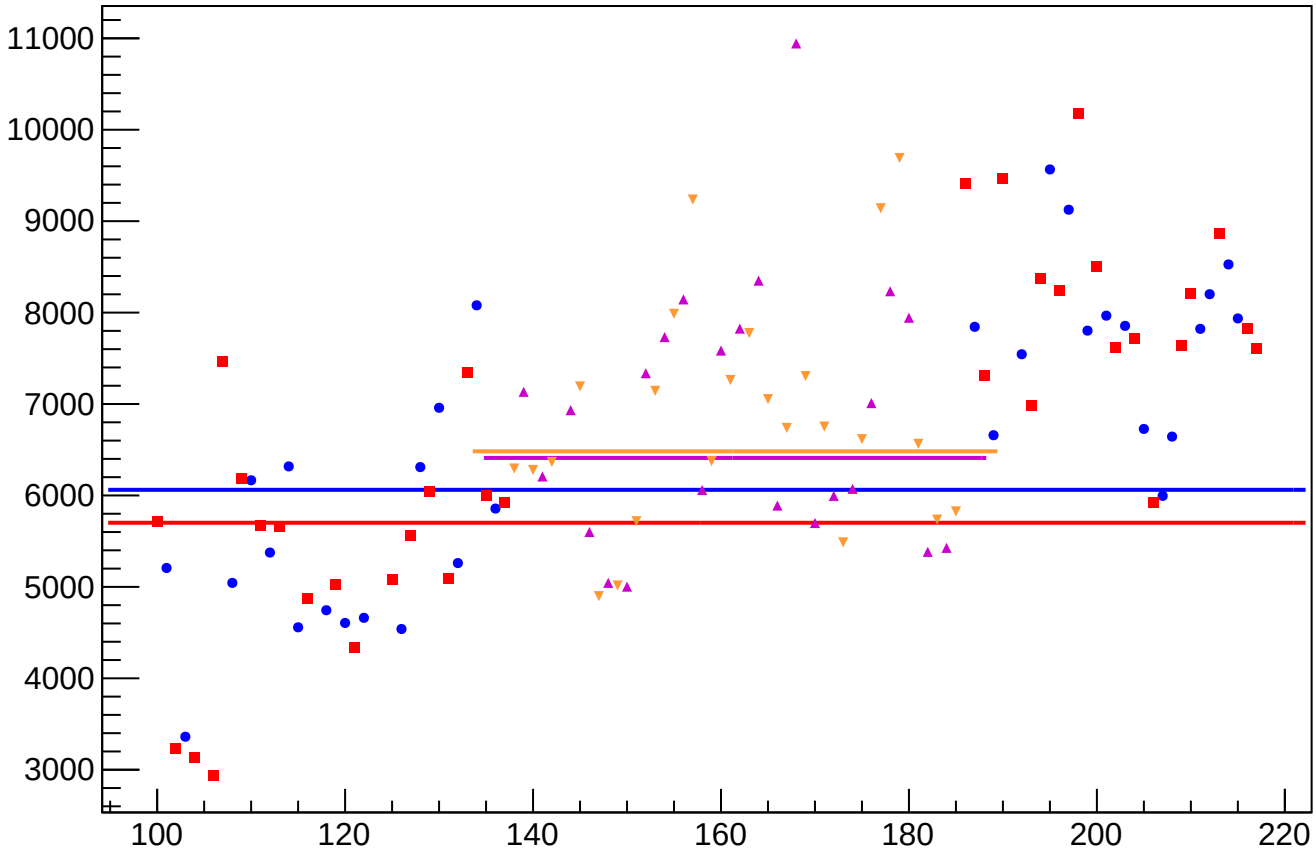
Right Out: 162.821+/-1345.835 χ^2/NDF: 44.0/33

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -223.647+/-1048.809 χ^2/NDF: 64.4/54

All: 13.558+/-727.490 χ^2/NDF: 121.8/111

- sign 233.508+/-1009.943 χ^2/NDF: 57.4/56



Right In: 6061.650+/-1.015 χ^2/NDF: 2565378.7/30

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

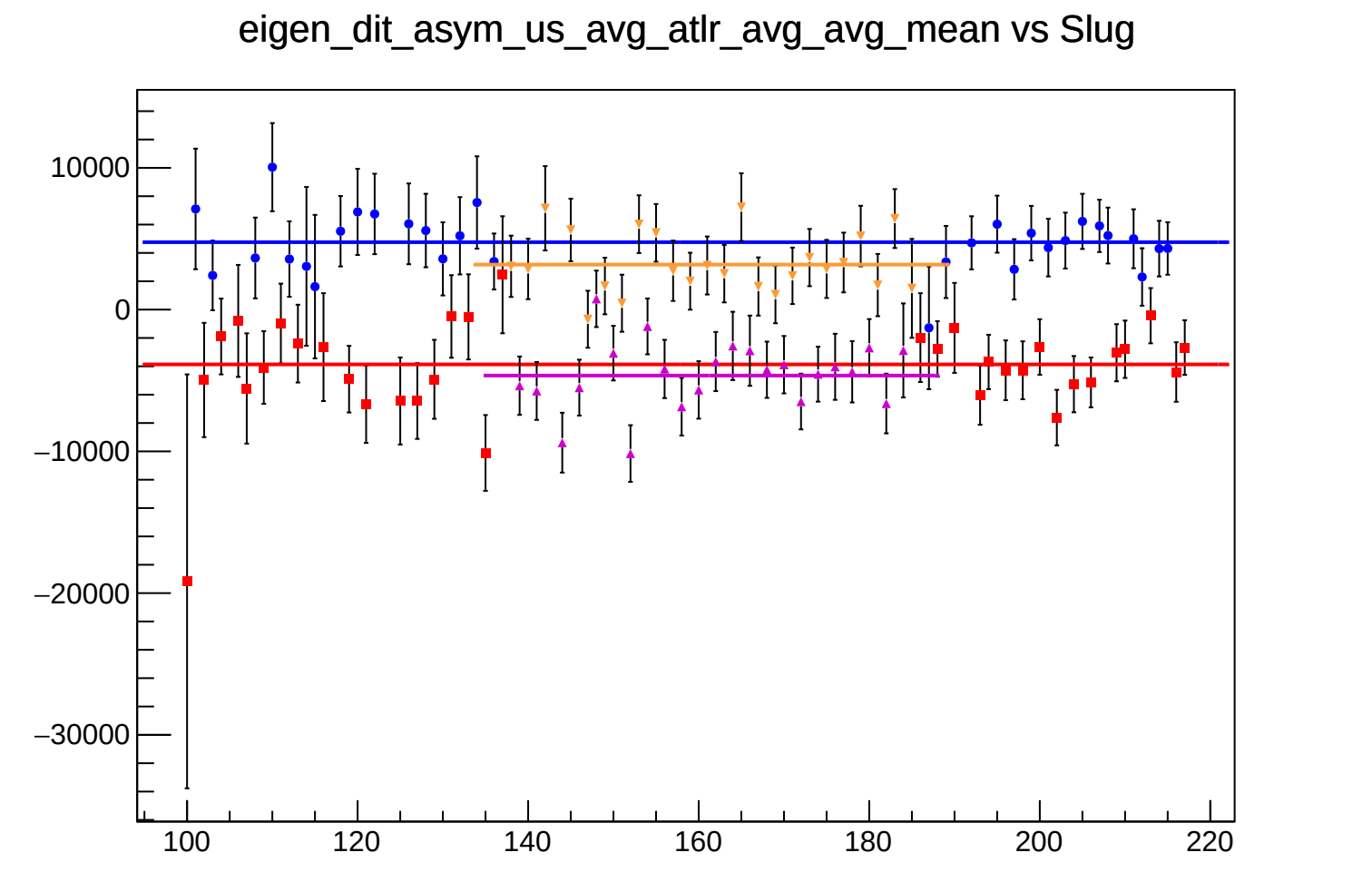
Right Out: 5701.398+/-0.952 χ^2/NDF: 4417750.4/33

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6257.774+/-0.742 χ^2/NDF: 3720180.2/54

All: 6129.806+/-0.514 χ^2/NDF: 9657645.0/11

- sign 6011.146+/-0.714 χ^2/NDF: 5880082.0/56



Right In: 4756.266+/-425.133 χ^2/NDF: 14.0/30

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3867.023+/-418.427 χ^2/NDF: 29.0/33

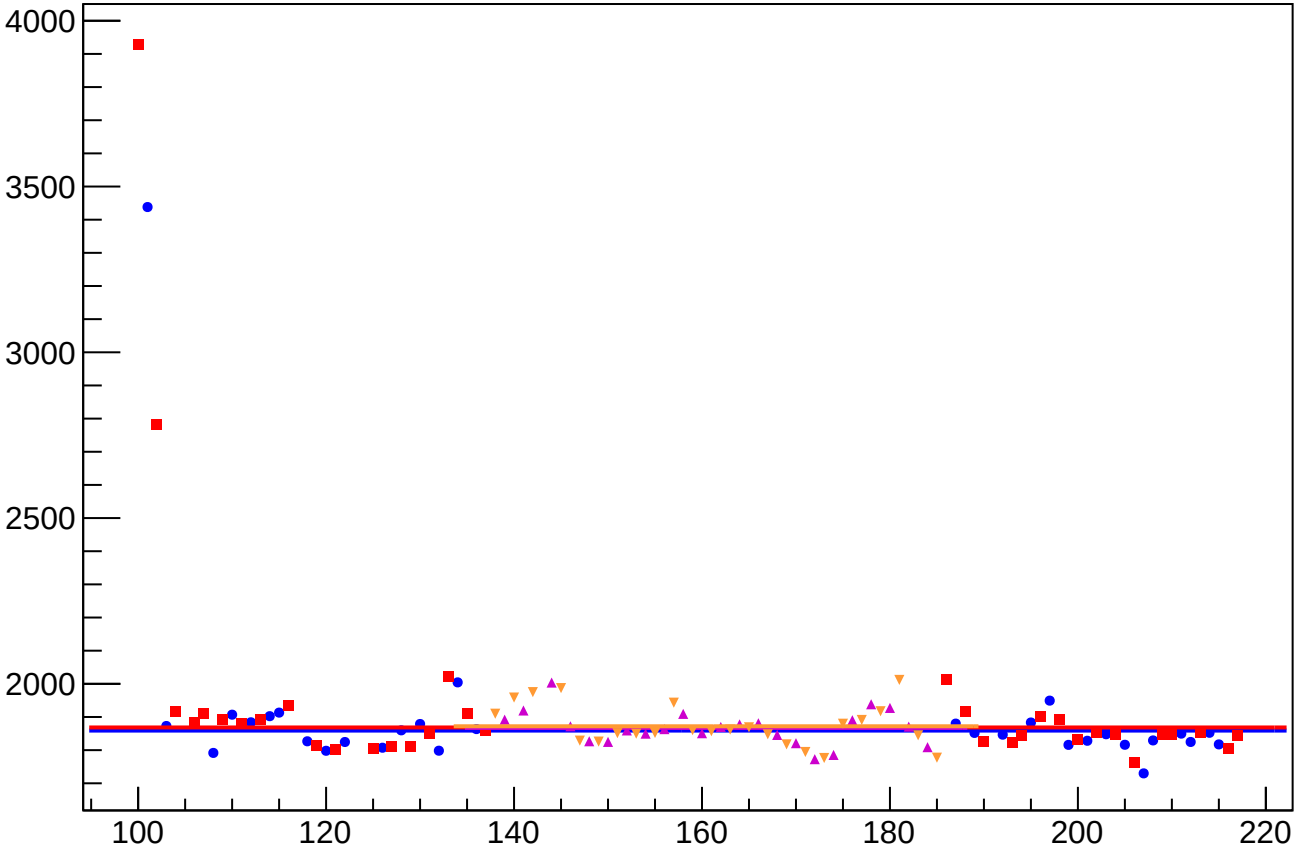
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3983.211+/-303.980 χ^2/NDF: 42.3/54

All: -157.048+/-214.229 χ^2/NDF: 472.1/111

- sign -4242.459+/-301.960 χ^2/NDF: 61.2/56

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1859.002+/-0.301 χ^2/NDF: 303506.6/30

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

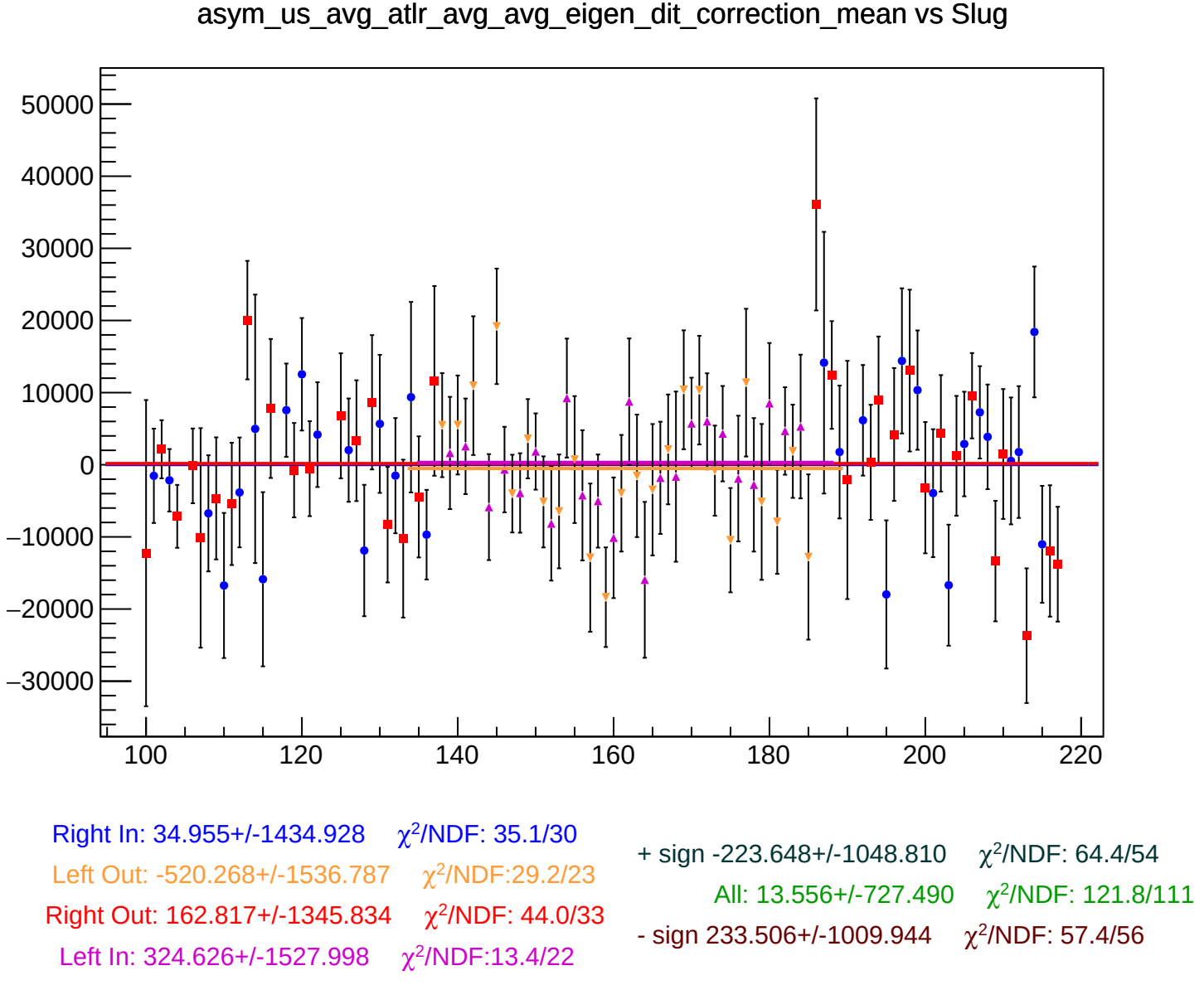
Right Out: 1868.403+/-0.296 χ^2/NDF: 173628.2/33

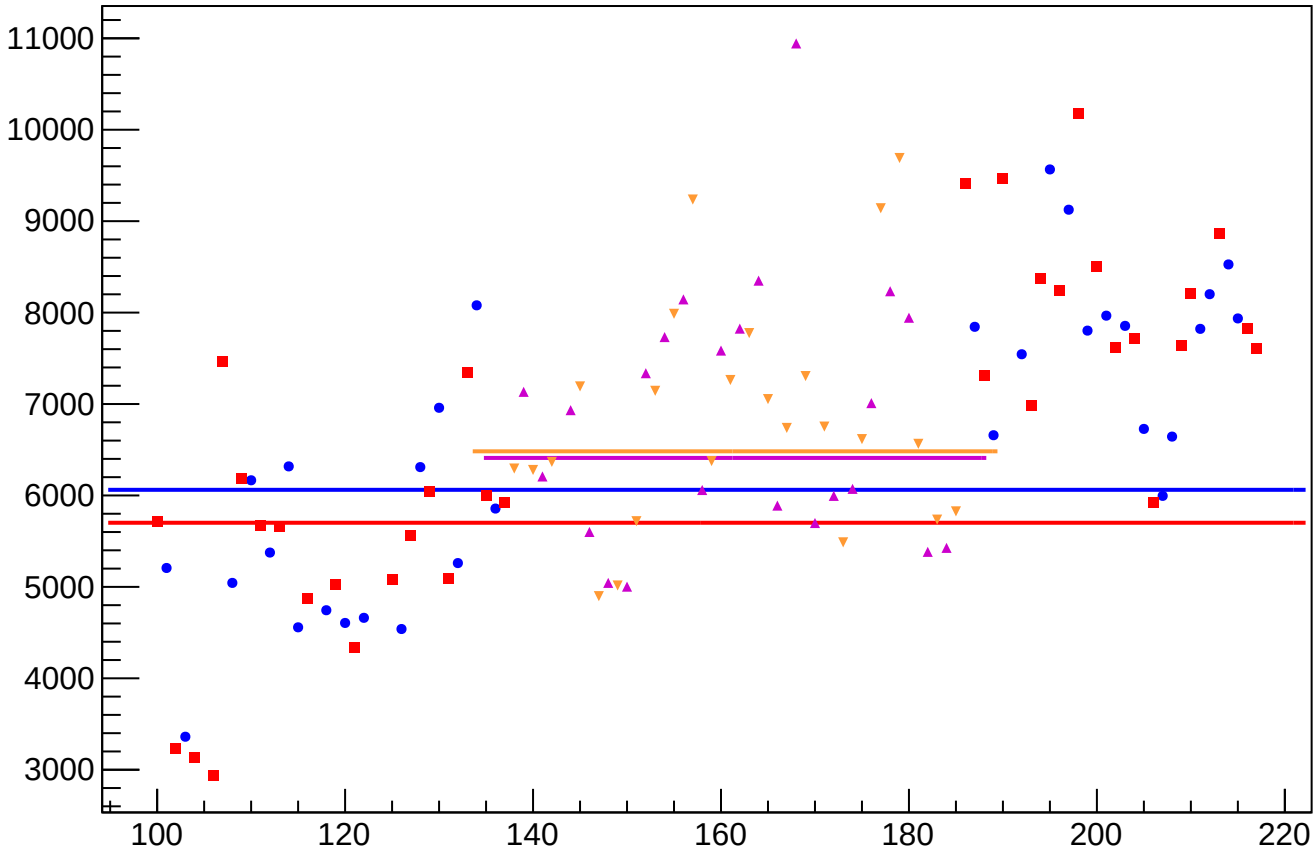
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1865.345+/-0.215 χ^2/NDF: 341573.5/54

All: 1866.566+/-0.151 χ^2/NDF: 542523.1/111

- sign 1867.769+/-0.213 χ^2/NDF: 200885.7/56


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 34.955+/-1434.928 χ²/NDF: 35.1/30
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 162.817+/-1345.834 χ²/NDF: 44.0/33
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -223.648+/-1048.810 χ²/NDF: 64.4/54
All: 13.556+/-727.490 χ²/NDF: 121.8/111
- sign 233.506+/-1009.944 χ²/NDF: 57.4/56



Right In: 6061.643+/-1.015 χ^2/NDF: 2565413.2/30

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5701.389+/-0.952 χ^2/NDF: 4417787.1/33

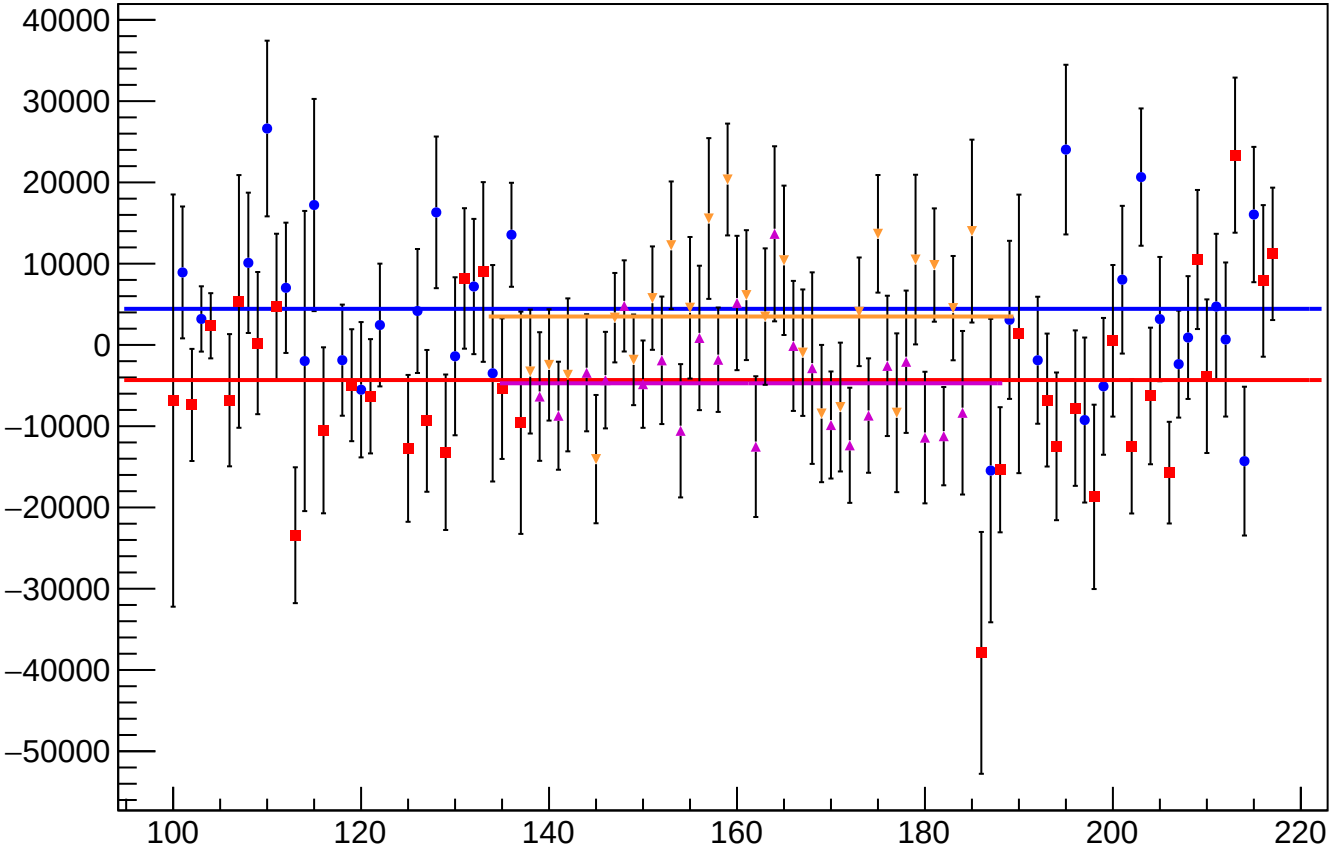
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6257.775+/-0.742 χ^2/NDF: 3720223.8/54

All: 6129.806+/-0.514 χ^2/NDF: 9657742.1/11

- sign 6011.145+/-0.714 χ^2/NDF: 5880134.5/56

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4441.587+/-1479.126 χ^2/NDF: 32.9/30

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4321.766+/-1458.796 χ^2/NDF: 47.4/33

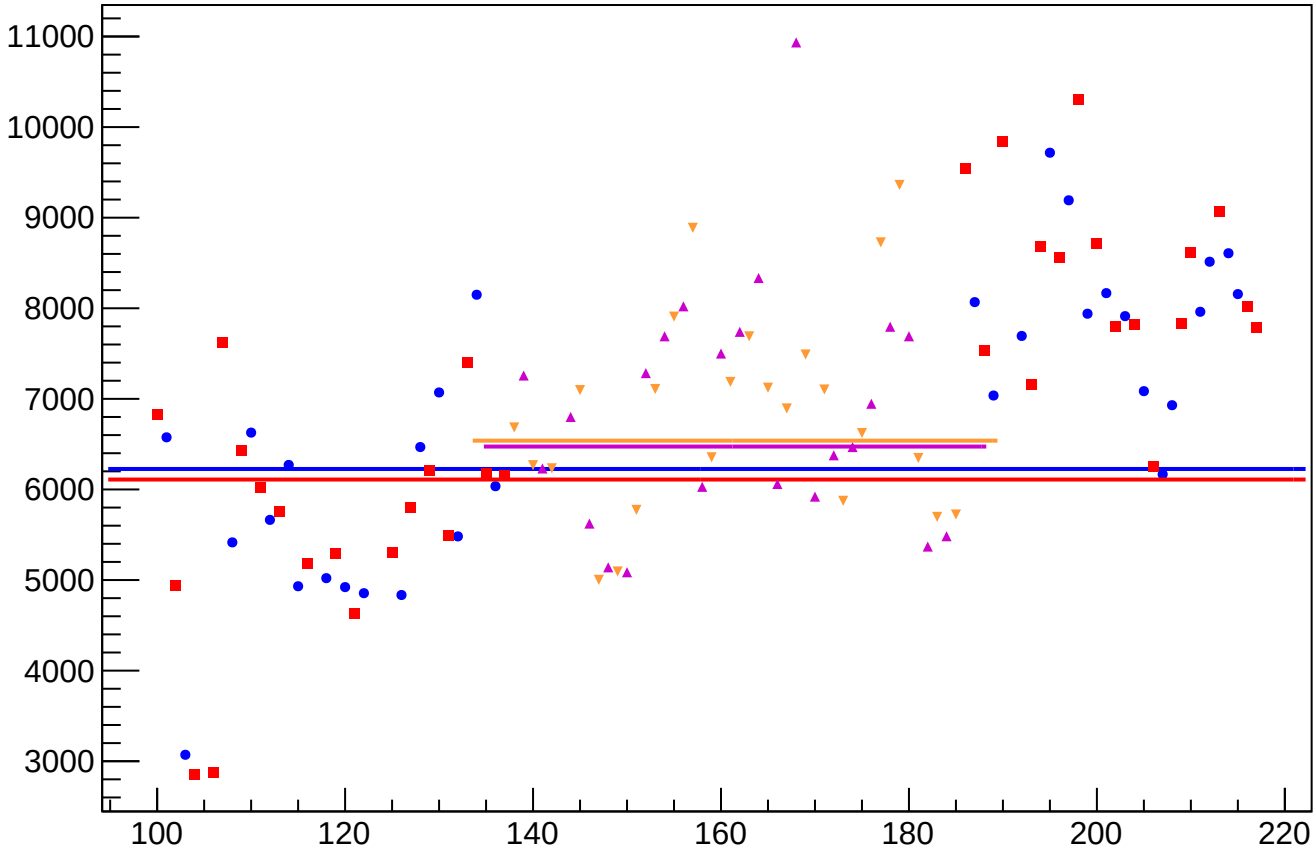
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3990.193+/-1068.707 χ^2/NDF: 60.6/54

All: -299.476+/-752.163 χ^2/NDF: 154.3/111

\- sign -4509.993+/-1058.801 χ^2/NDF: 61.7/56

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6226.010+/-1.046 χ^2/NDF: 2835121.4/30

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

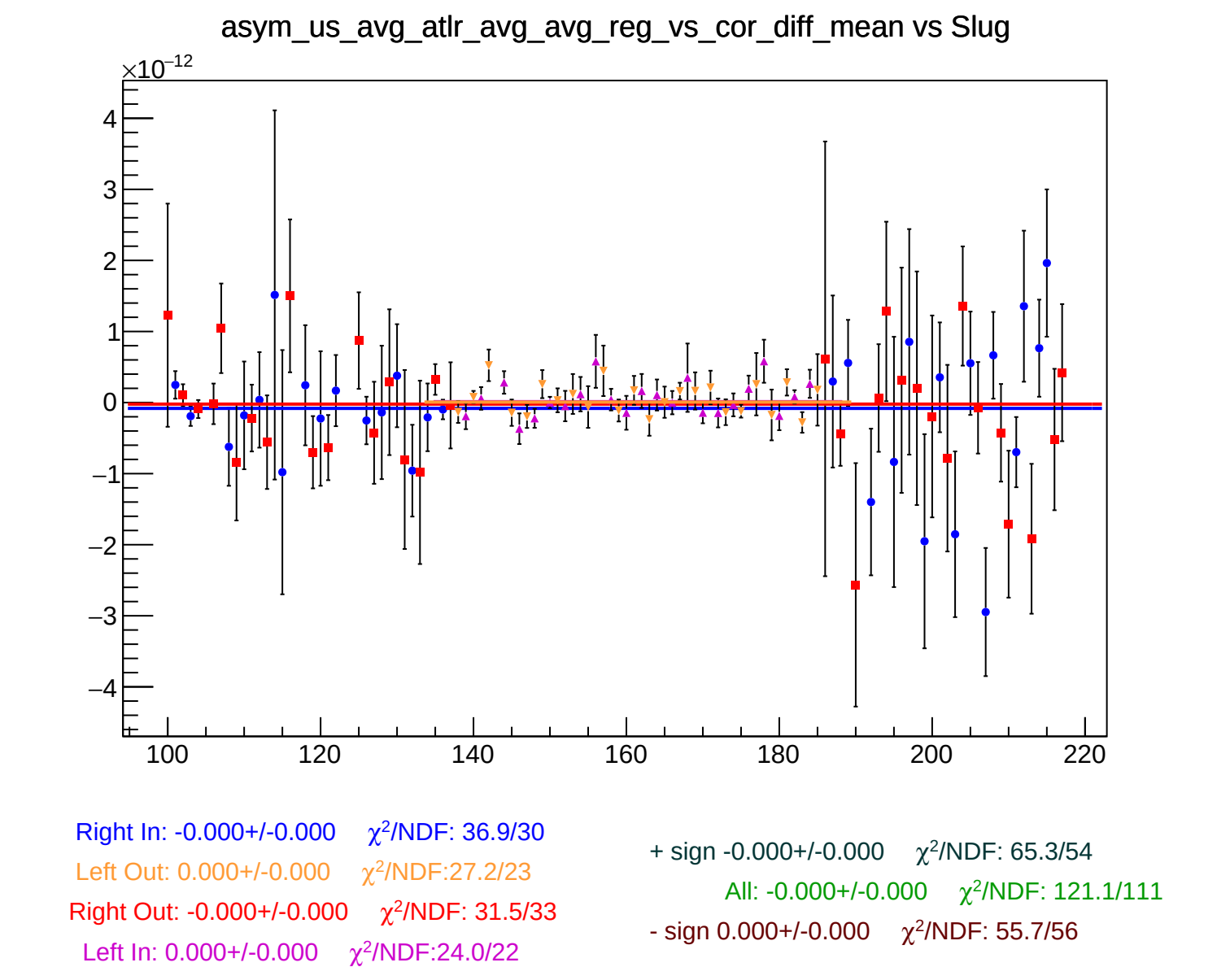
Right Out: 6109.487+/-1.019 χ^2/NDF: 3916269.7/33

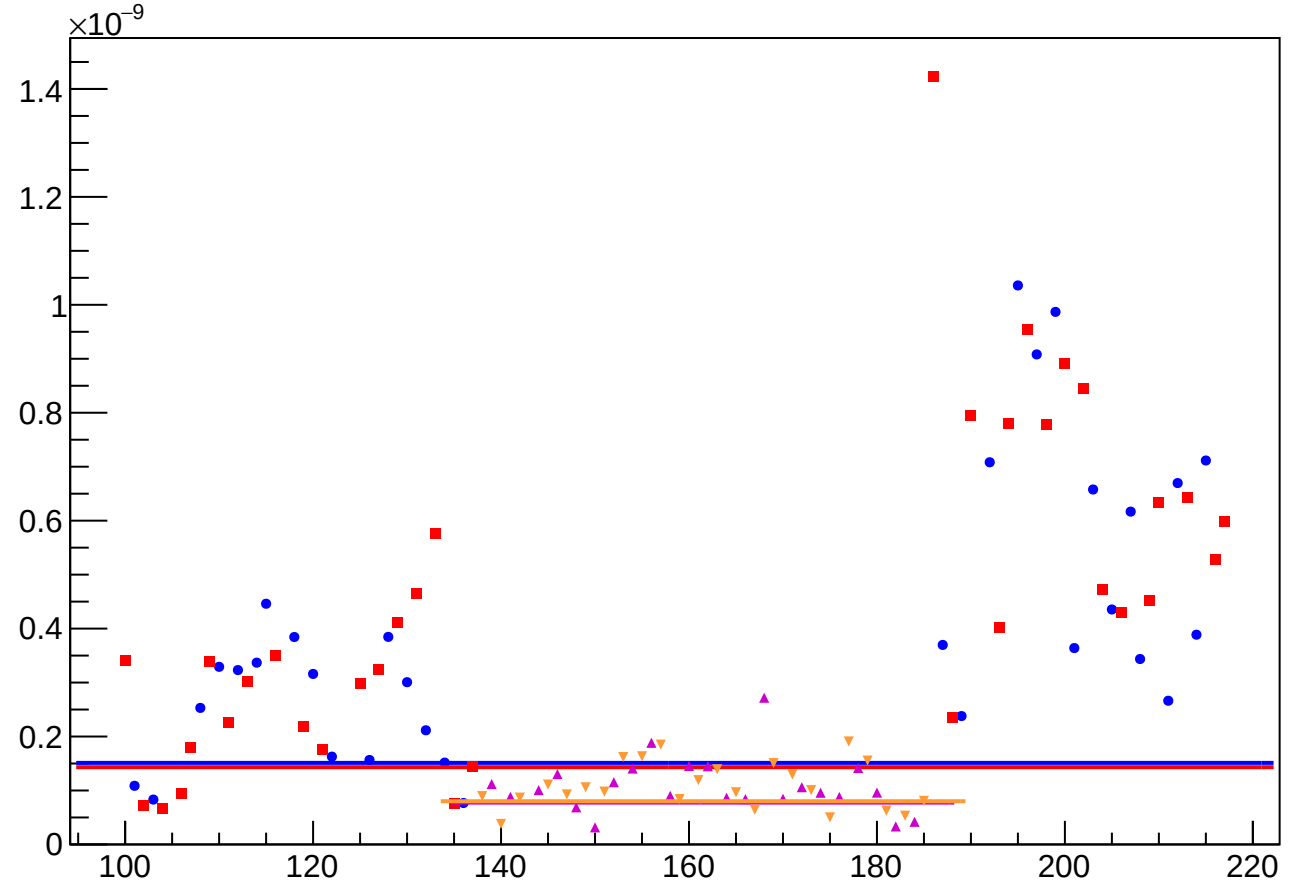
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6375.464+/-0.756 χ^2/NDF: 3798456.0/54

All: 6326.778+/-0.530 χ^2/NDF: 8854239.2/11

- sign 6279.585+/-0.744 χ^2/NDF: 5047609.0/56


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 36.9/30
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.5/33
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 65.3/54
All: -0.000+/-0.000 χ²/NDF: 121.1/111
- sign 0.000+/-0.000 χ²/NDF: 55.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 7230171.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

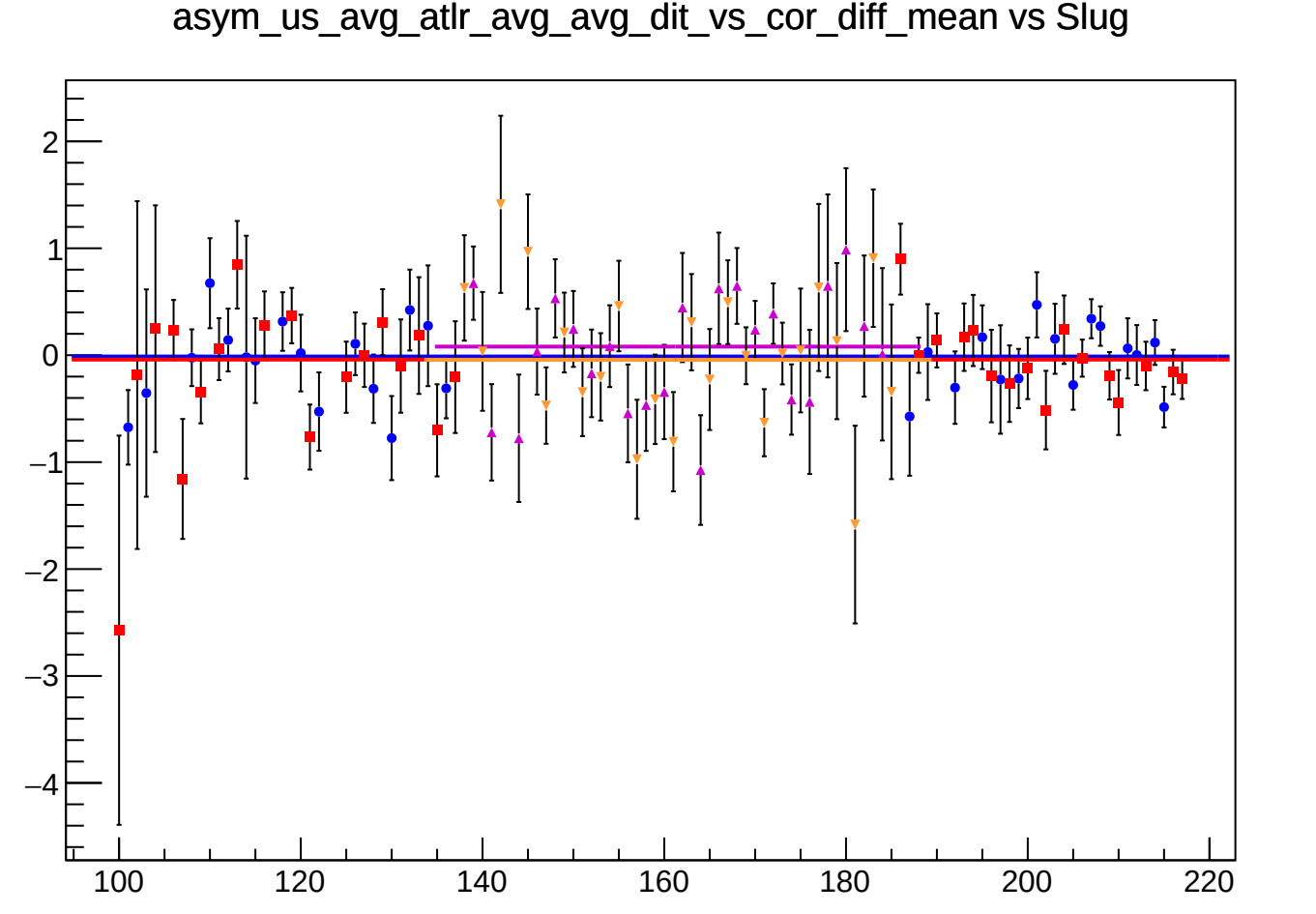
Right Out: 0.000+/-0.000 χ^2/NDF: 8773852.9/33

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10918688.1/54

All: 0.000+/-0.000 χ^2/NDF: 23669955.7/111

- sign 0.000+/-0.000 χ^2/NDF: 12735722.9/56



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

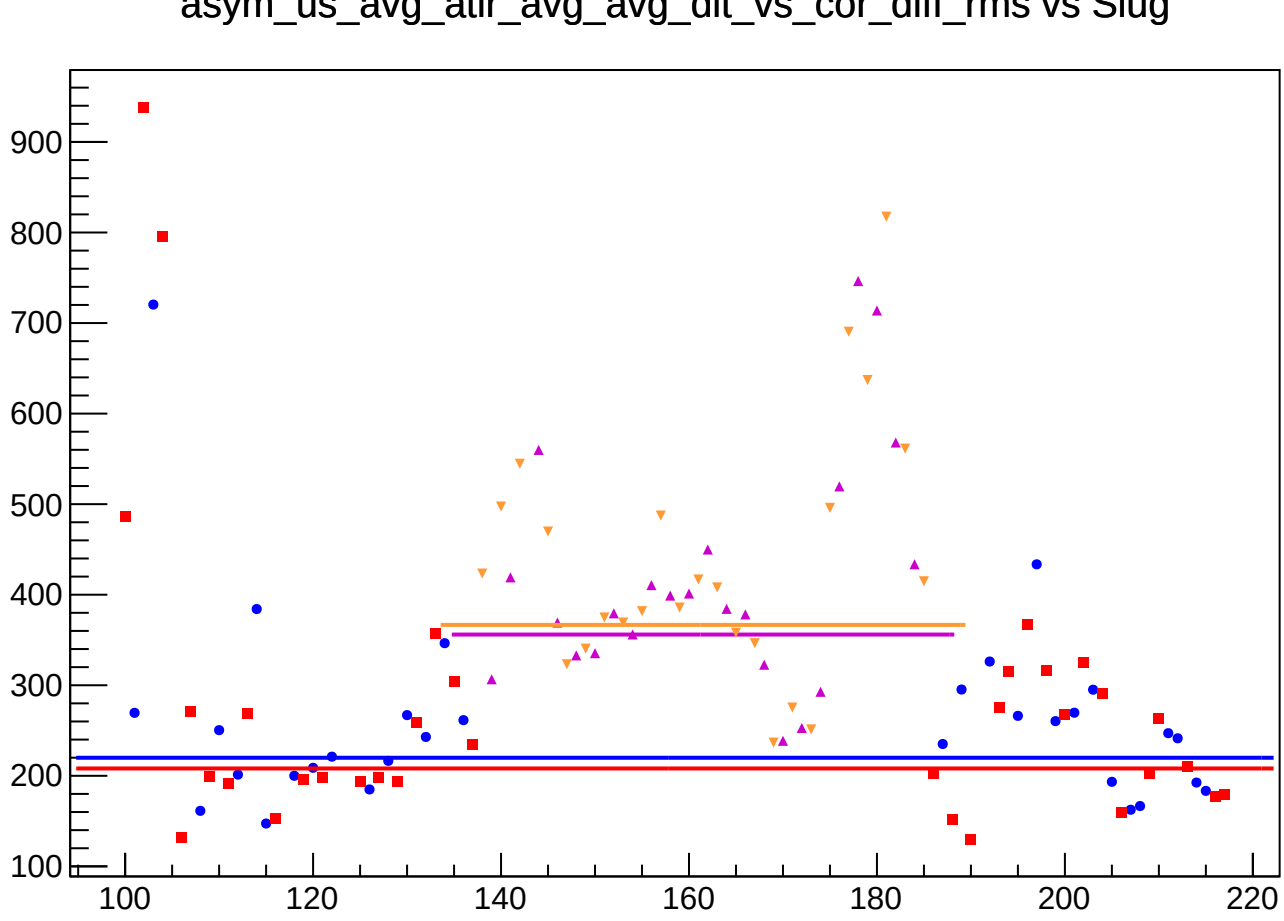
Right Out: -0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.046 χ^2/NDF: 68.4/54

All: -0.015+/-0.032 χ^2/NDF: 142.6/111

- sign -0.011+/-0.044 χ^2/NDF: 74.1/56



Right In: 219.932+/-0.038 χ^2/NDF: 2408898.6/30

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

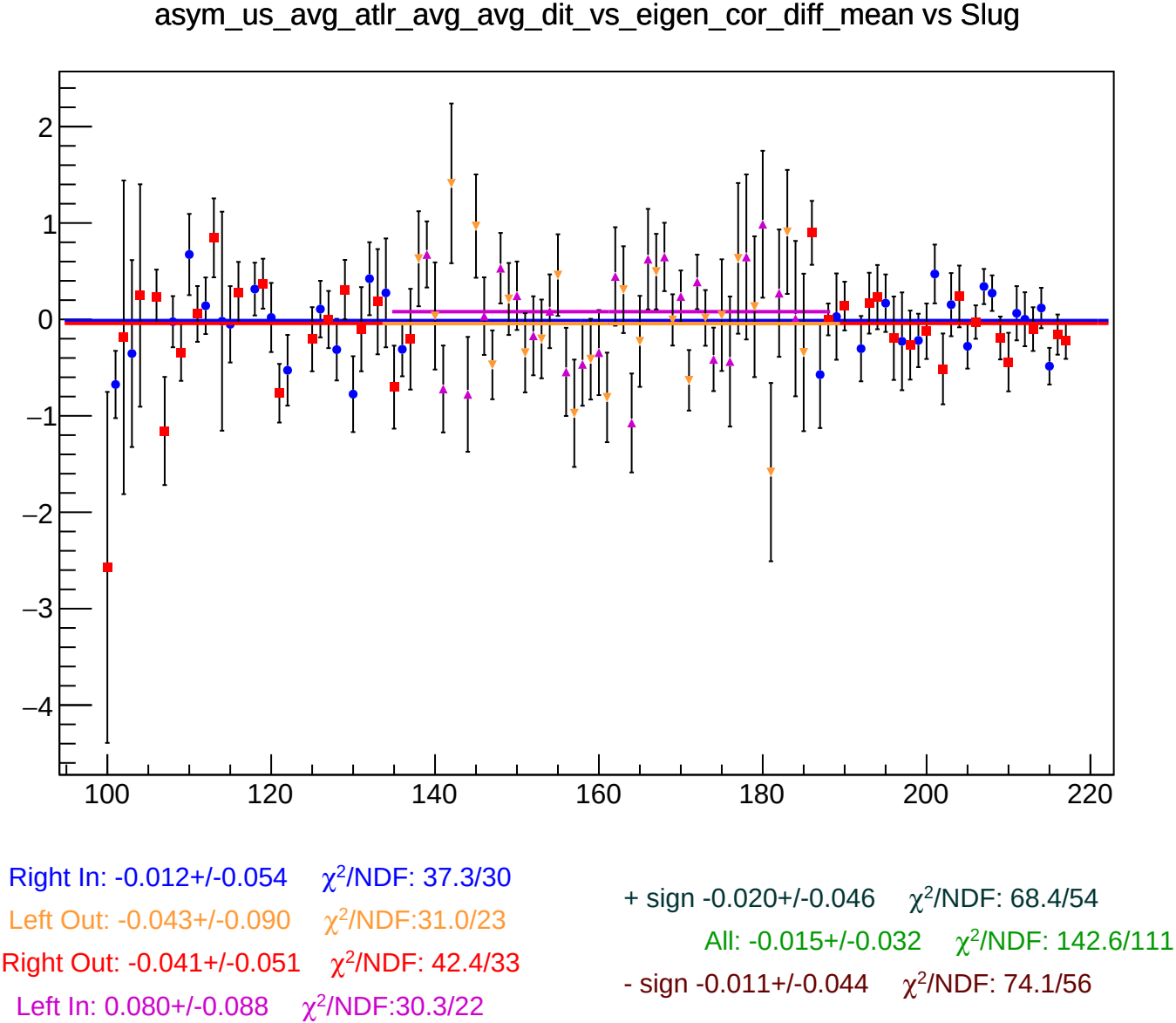
Right Out: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

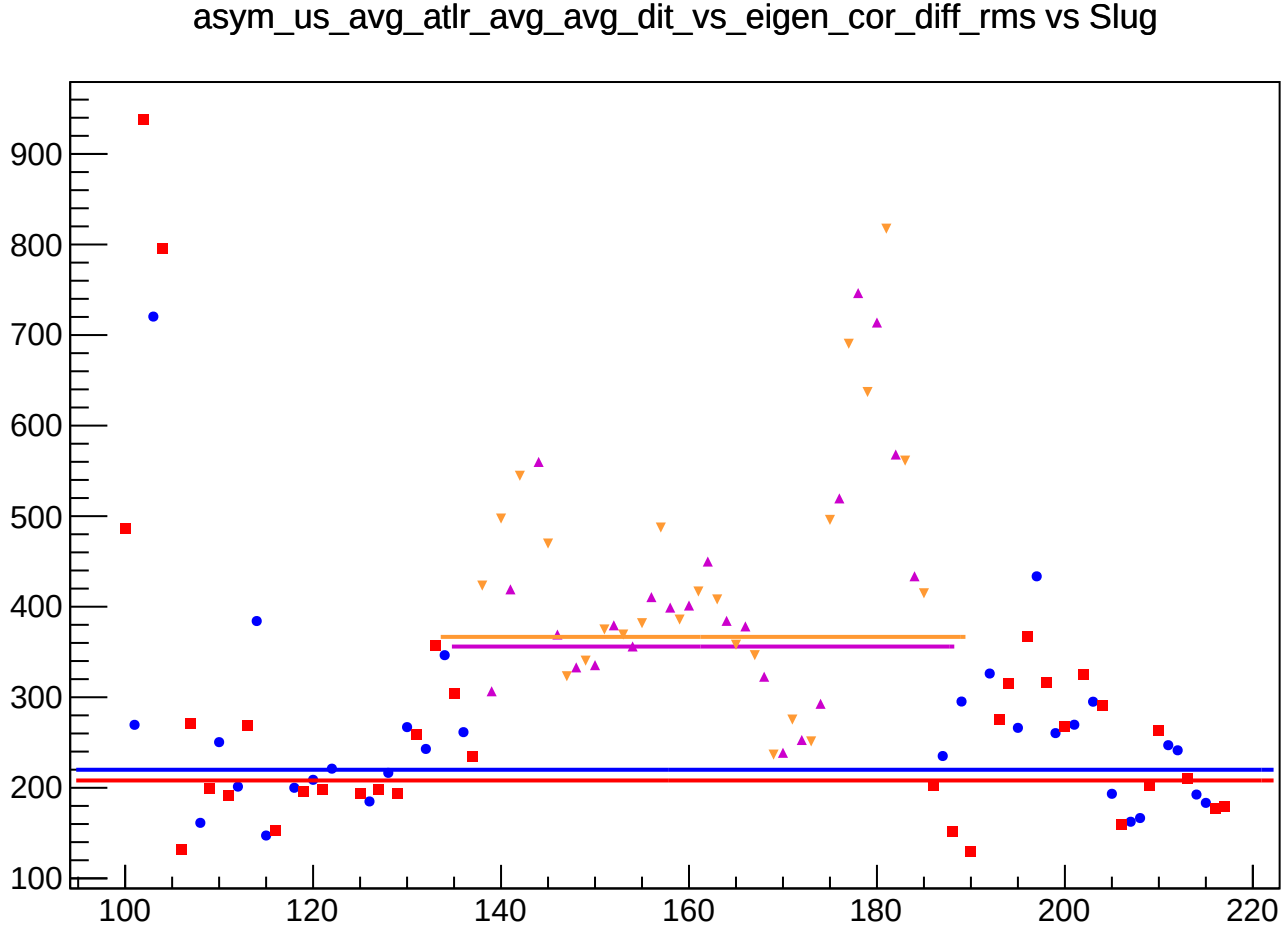
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 258.214+/-0.033 χ^2/NDF: 9139987.8/54

All: 251.350+/-0.023 χ^2/NDF: 19368463.8/11

- sign 245.147+/-0.031 χ^2/NDF: 10144451.4/56


asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.012+/-0.054 χ²/NDF: 37.3/30
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.041+/-0.051 χ²/NDF: 42.4/33
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.020+/-0.046 χ²/NDF: 68.4/54
All: -0.015+/-0.032 χ²/NDF: 142.6/111
- sign -0.011+/-0.044 χ²/NDF: 74.1/56



Right In: 219.932+/-0.038 χ^2/NDF: 2408898.6/30

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

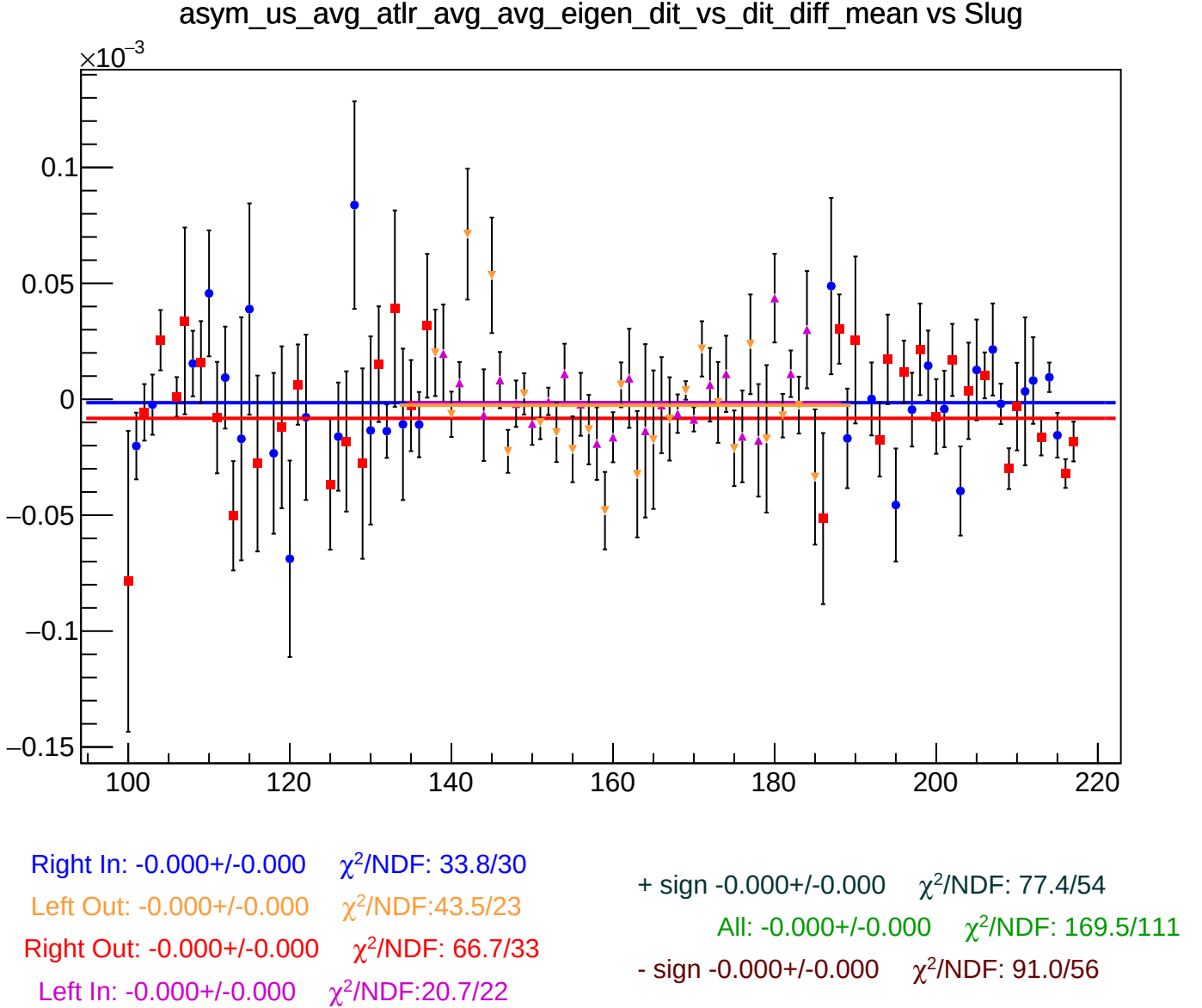
Right Out: 208.109+/-0.036 χ^2/NDF: 3467809.1/33

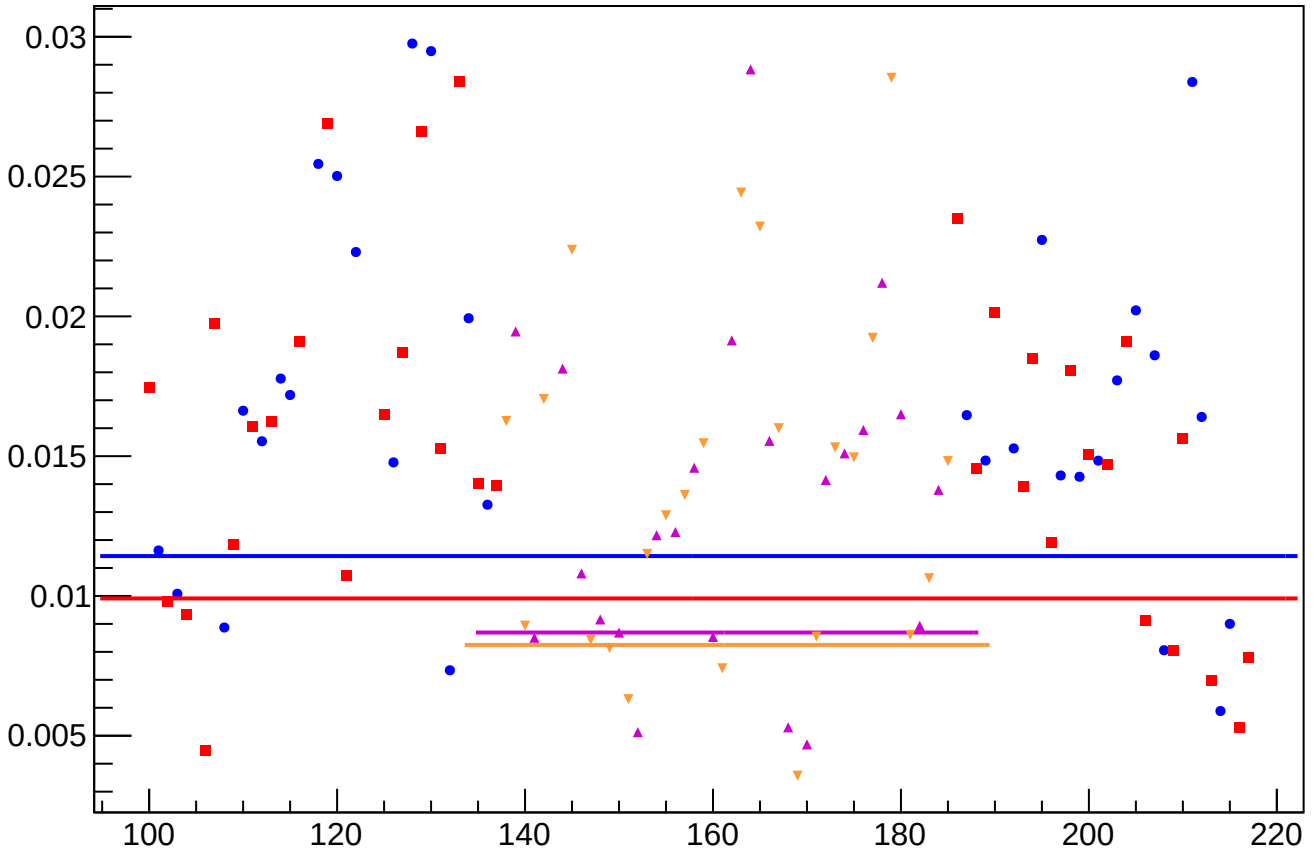
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 258.214+/-0.033 χ^2/NDF: 9139987.8/54

All: 251.350+/-0.023 χ^2/NDF: 19368463.8/11

- sign 245.147+/-0.031 χ^2/NDF: 10144451.4/56


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 33.8/30
Left Out: -0.000+/-0.000 χ²/NDF:43.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 66.7/33
Left In: -0.000+/-0.000 χ²/NDF:20.7/22
+ sign -0.000+/-0.000 χ²/NDF: 77.4/54
All: -0.000+/-0.000 χ²/NDF: 169.5/111
- sign -0.000+/-0.000 χ²/NDF: 91.0/56



Right In: 0.011+/-0.000 χ^2/NDF: 6518945.0/30

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

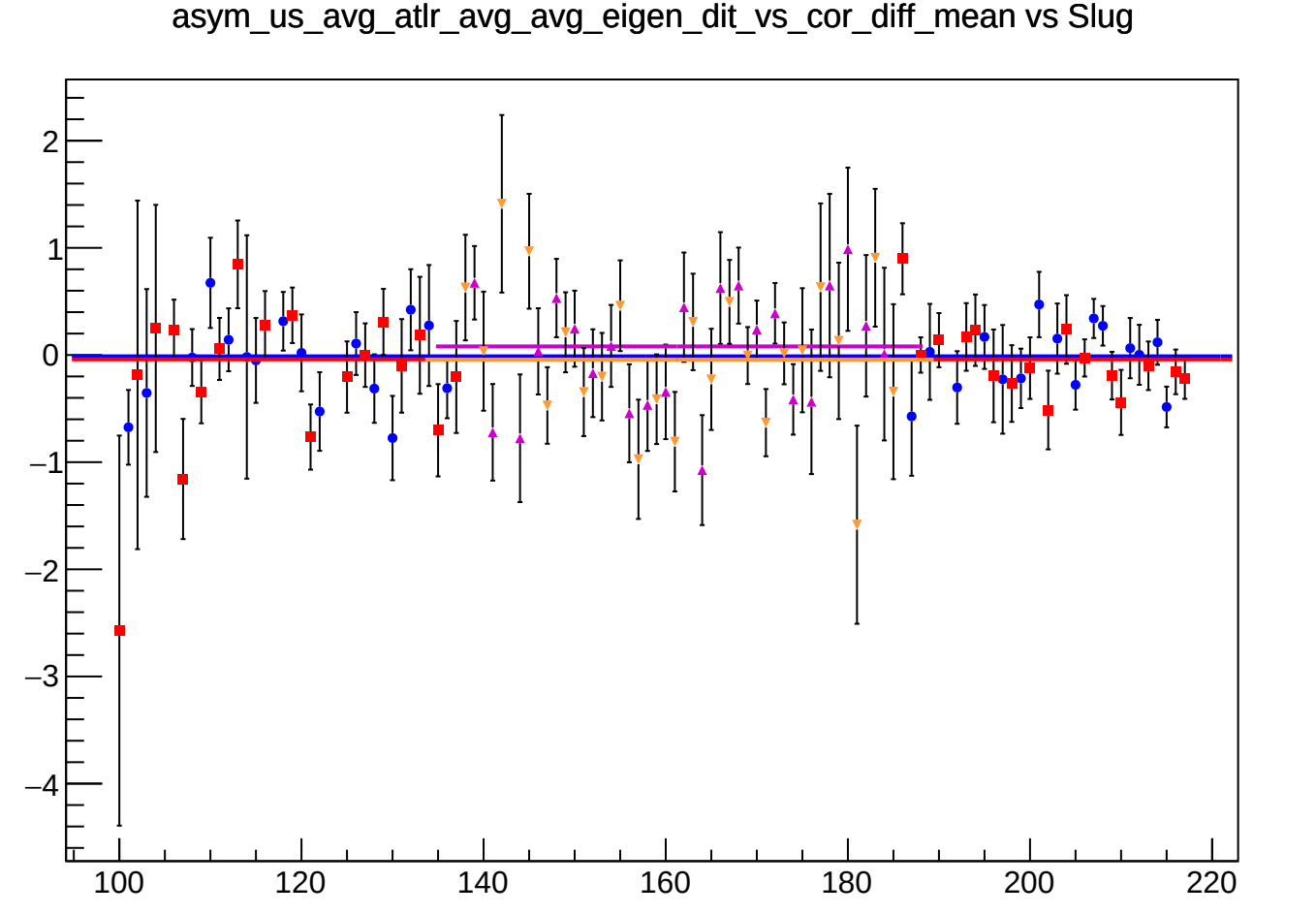
Right Out: 0.010+/-0.000 χ^2/NDF: 7175273.0/33

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 16891210.6/54

All: 0.009+/-0.000 χ^2/NDF: 31205739.8/111

- sign 0.009+/-0.000 χ^2/NDF: 14302606.8/56



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

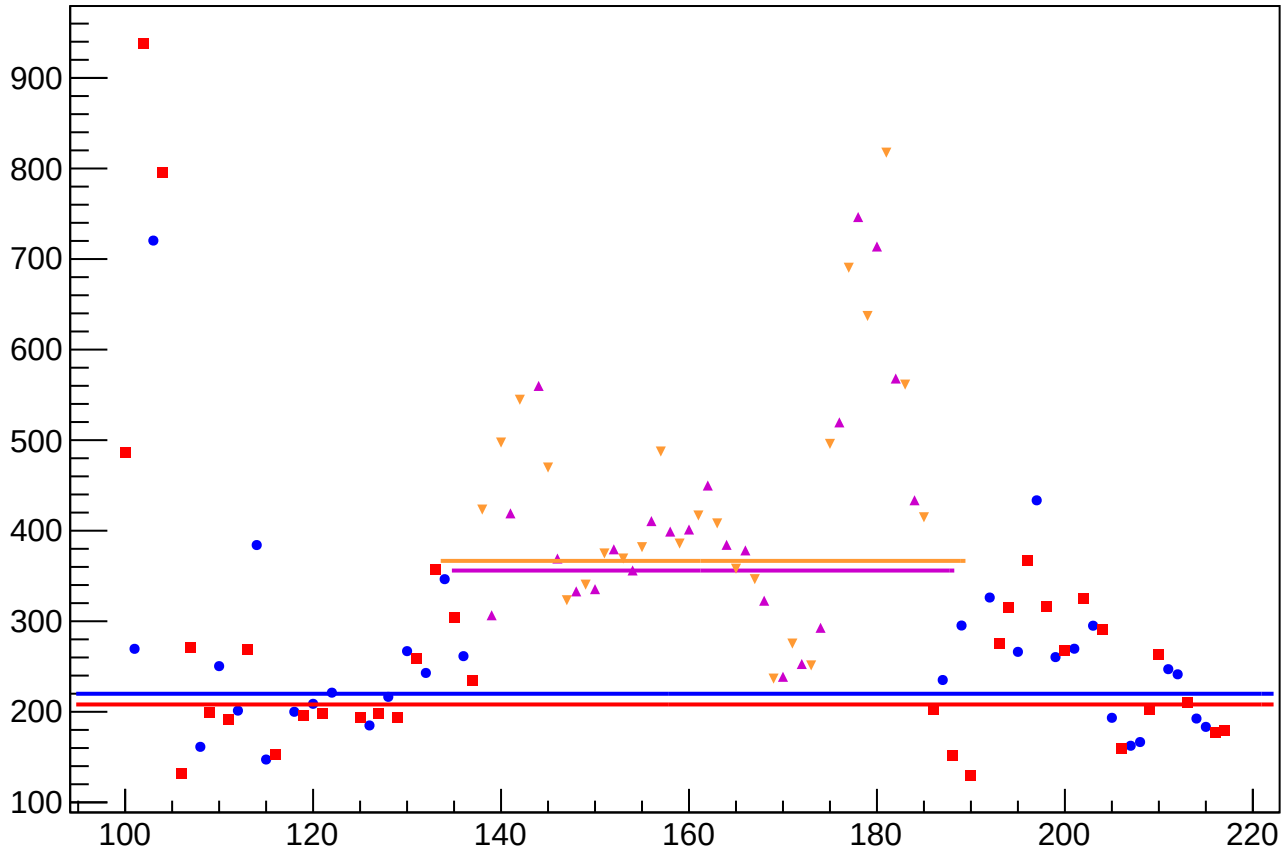
Right Out: -0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.046 χ^2/NDF: 68.4/54

All: -0.015+/-0.032 χ^2/NDF: 142.6/111

- sign -0.011+/-0.044 χ^2/NDF: 74.1/56



Right In: 219.931+/-0.038 χ^2/NDF: 2408934.5/30

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

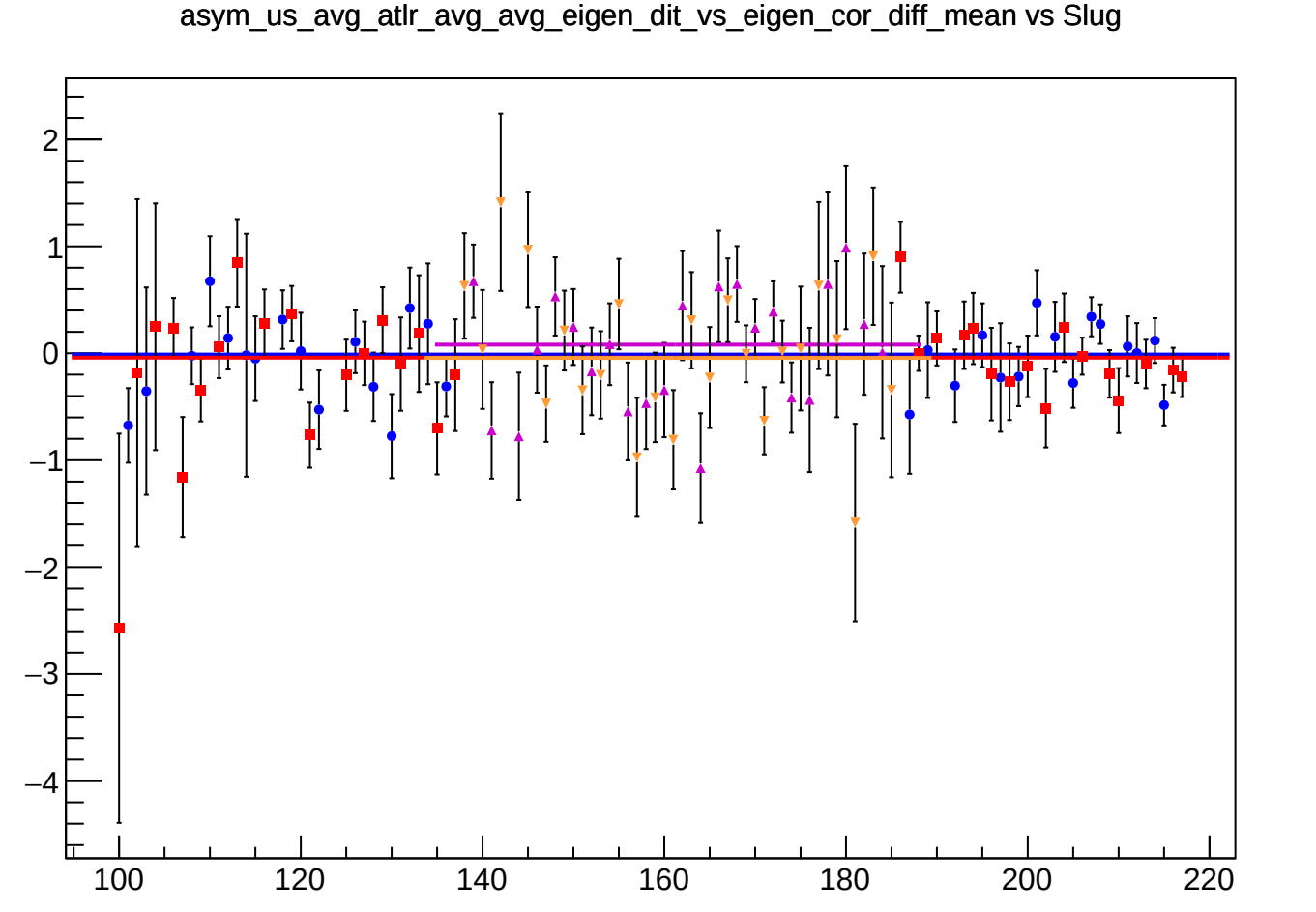
Right Out: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 258.212+/-0.033 χ^2/NDF: 9140316.4/54

All: 251.348+/-0.023 χ^2/NDF: 19369221.1/11

- sign 245.145+/-0.031 χ^2/NDF: 10144867.9/56



Right In: -0.012+/-0.054 χ^2/NDF: 37.3/30

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

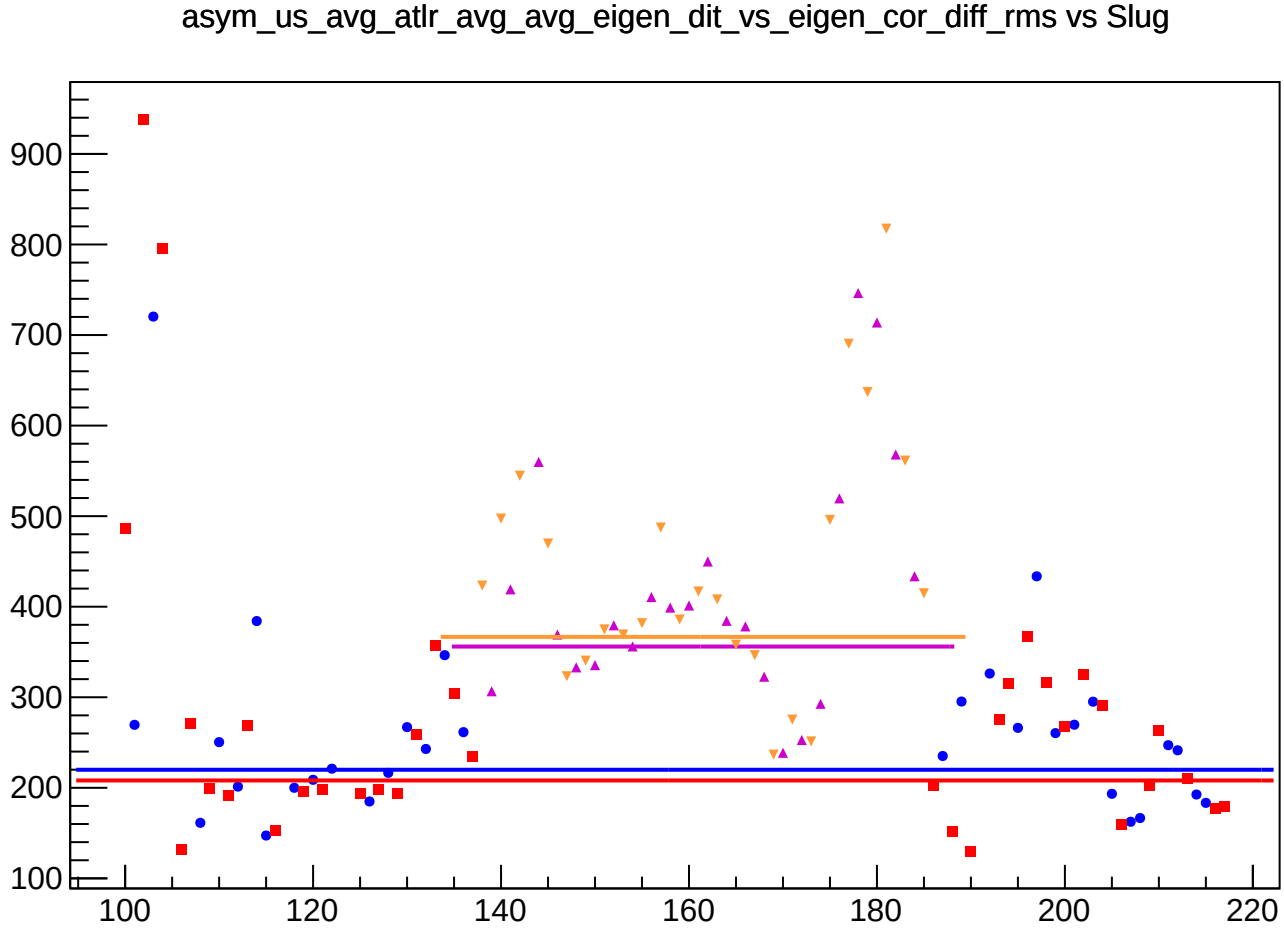
Right Out: -0.041+/-0.051 χ^2/NDF: 42.4/33

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.046 χ^2/NDF: 68.4/54

All: -0.015+/-0.032 χ^2/NDF: 142.6/111

- sign -0.011+/-0.044 χ^2/NDF: 74.1/56



Right In: 219.931+/-0.038 χ^2/NDF: 2408934.5/30

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

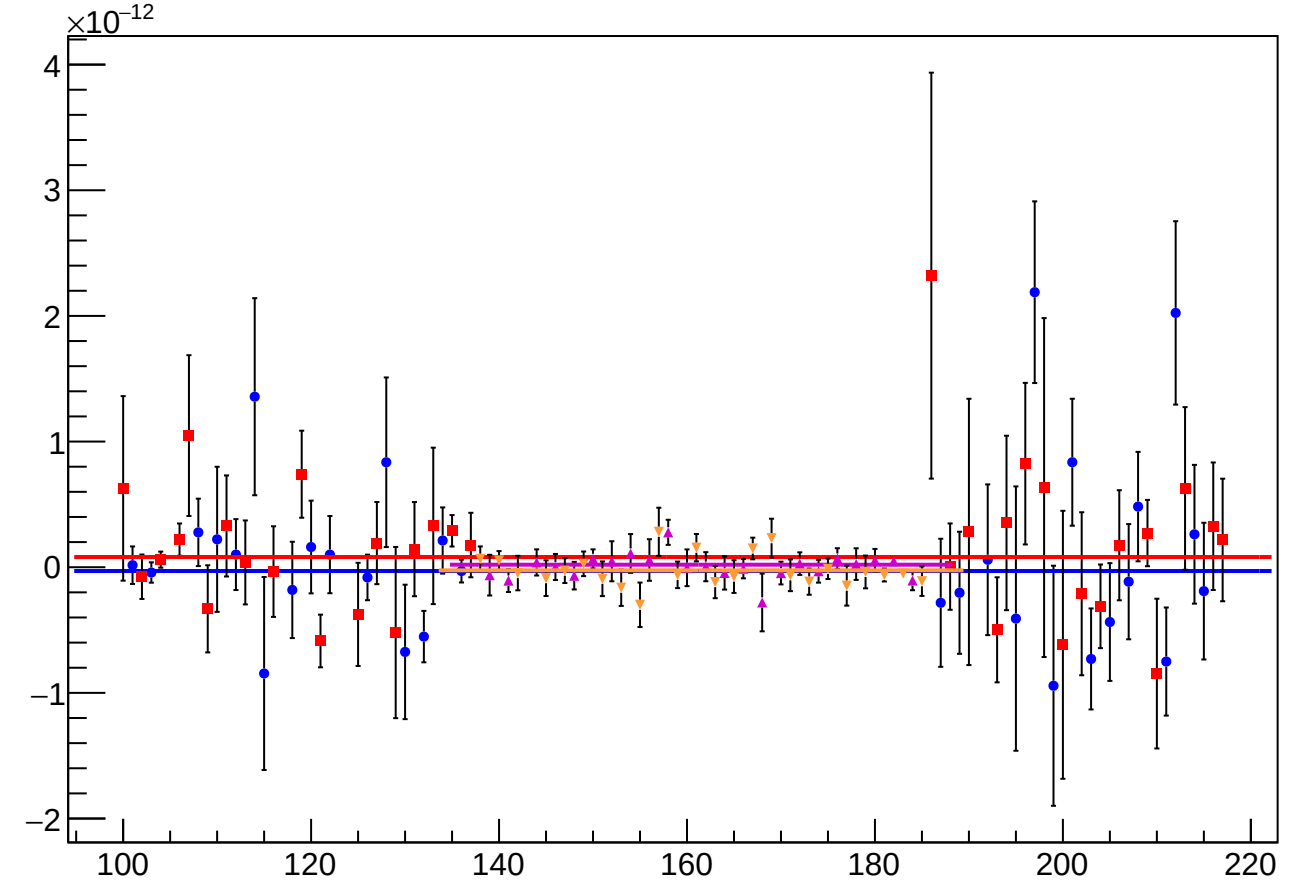
Right Out: 208.106+/-0.036 χ^2/NDF: 3467864.6/33

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 258.212+/-0.033 χ^2/NDF: 9140316.4/54

All: 251.348+/-0.023 χ^2/NDF: 19369221.1/11

- sign 245.145+/-0.031 χ^2/NDF: 10144867.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 47.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

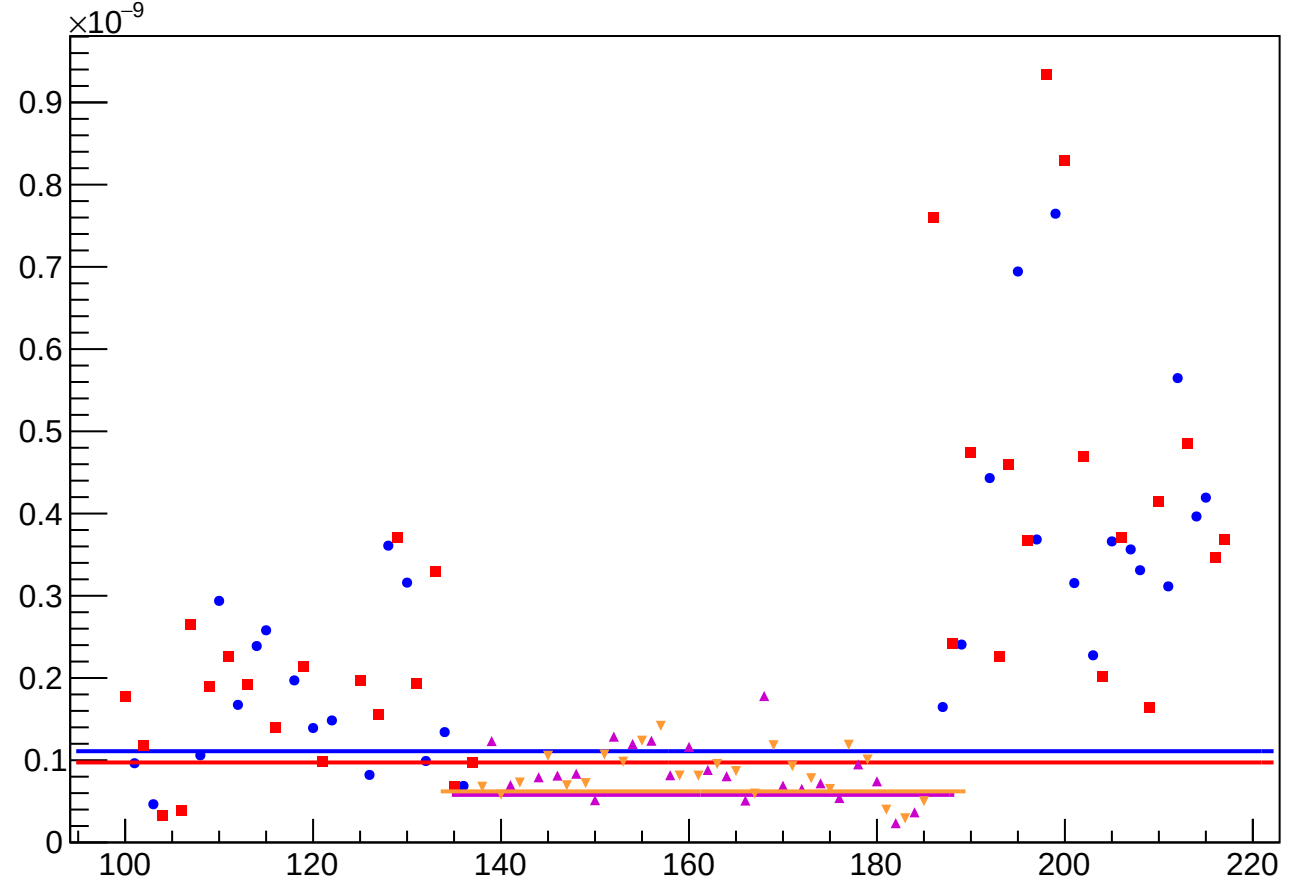
Right Out: 0.000+/-0.000 χ^2/NDF: 37.5/33

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.2/54

All: 0.000+/-0.000 χ^2/NDF: 130.9/111

- sign 0.000+/-0.000 χ^2/NDF: 56.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 10053002.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12320430.5/33

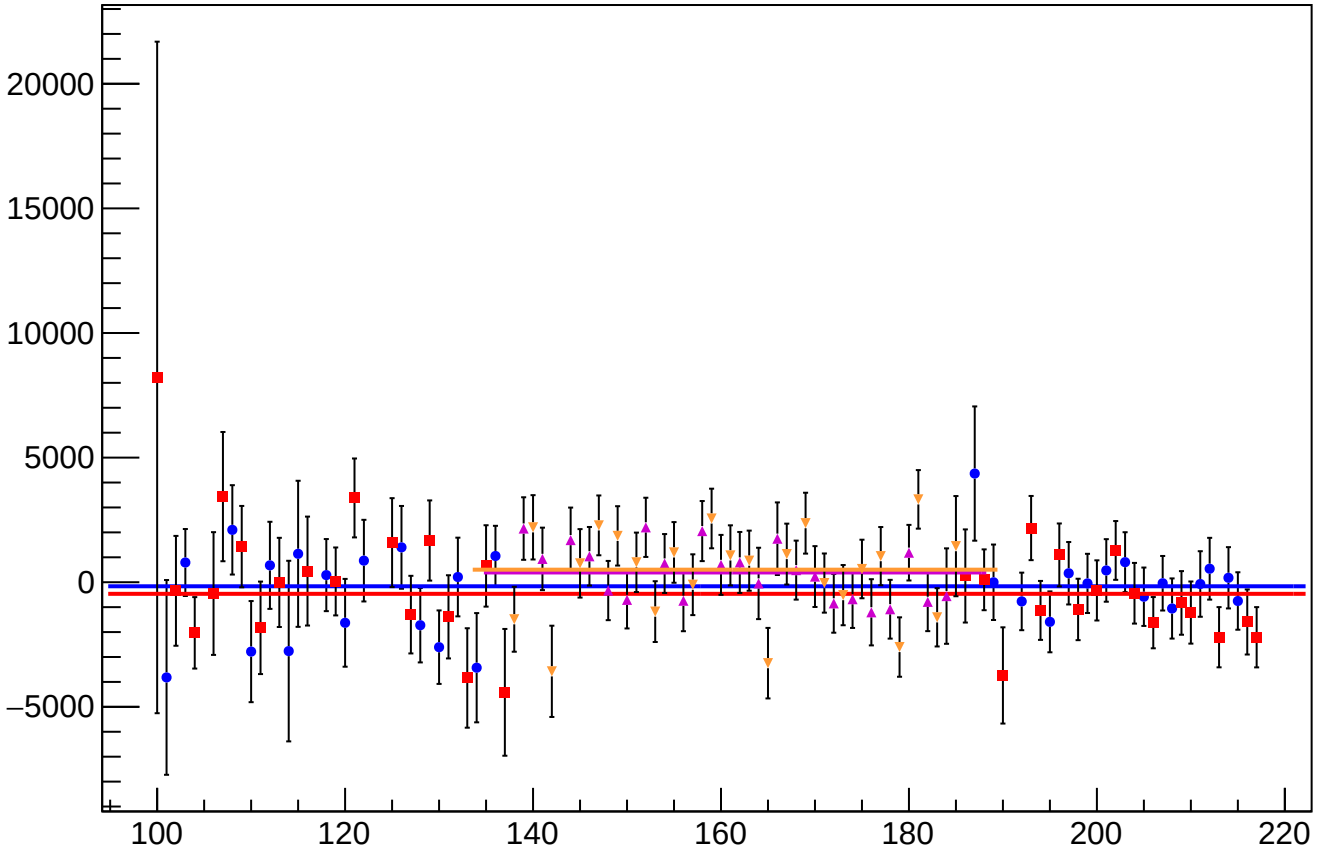
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16181397.9/54

All: 0.000+/-0.000 χ^2/NDF: 35613375.0/111

- sign 0.000+/-0.000 χ^2/NDF: 19330034.6/56

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -162.658+/-258.270 χ^2/NDF: 21.7/30

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.592+/-254.334 χ^2/NDF: 39.8/33

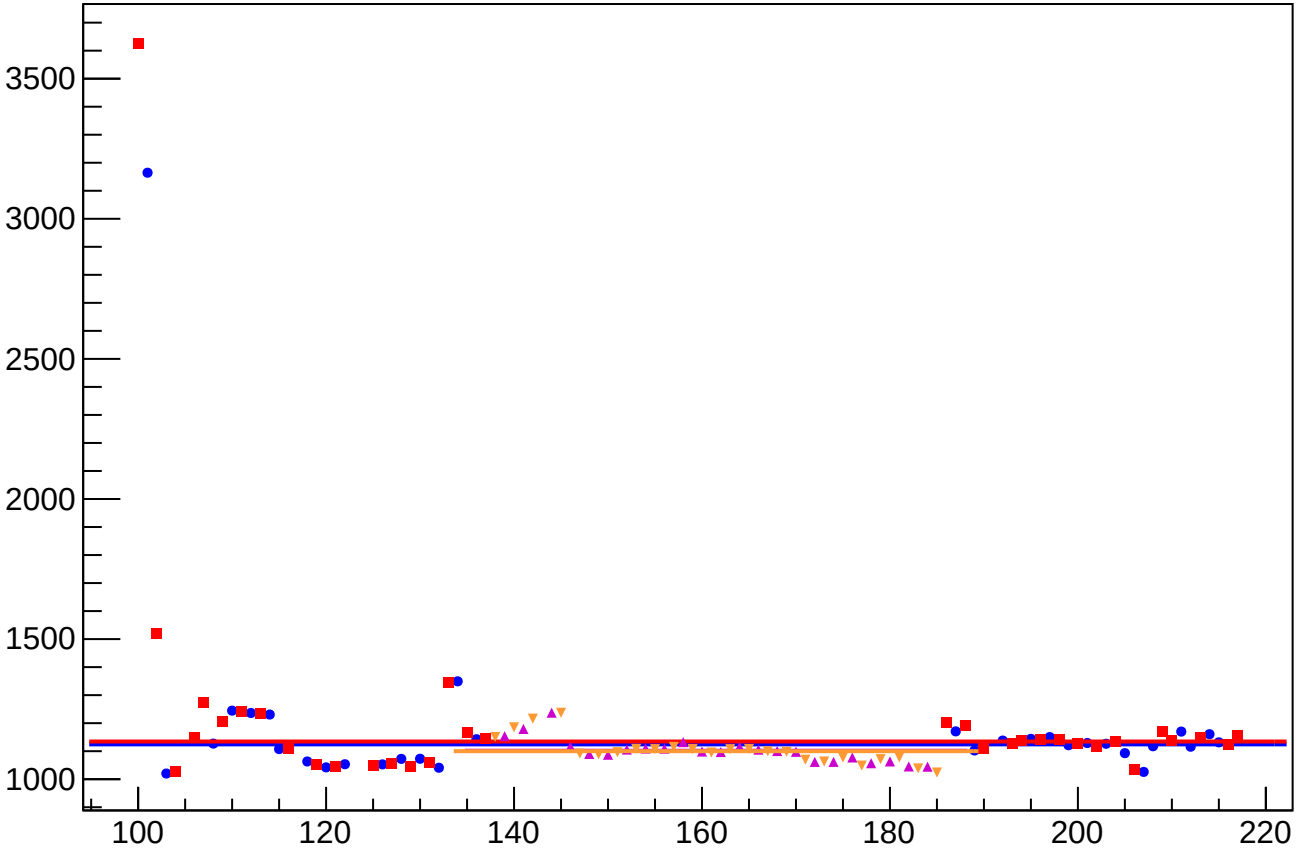
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 174.026+/-181.648 χ^2/NDF: 69.6/54

All: 65.544+/-128.183 χ^2/NDF: 133.6/111

- sign -42.059+/-180.911 χ^2/NDF: 63.3/56

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.336+/-0.183 χ^2/NDF: 646177.9/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

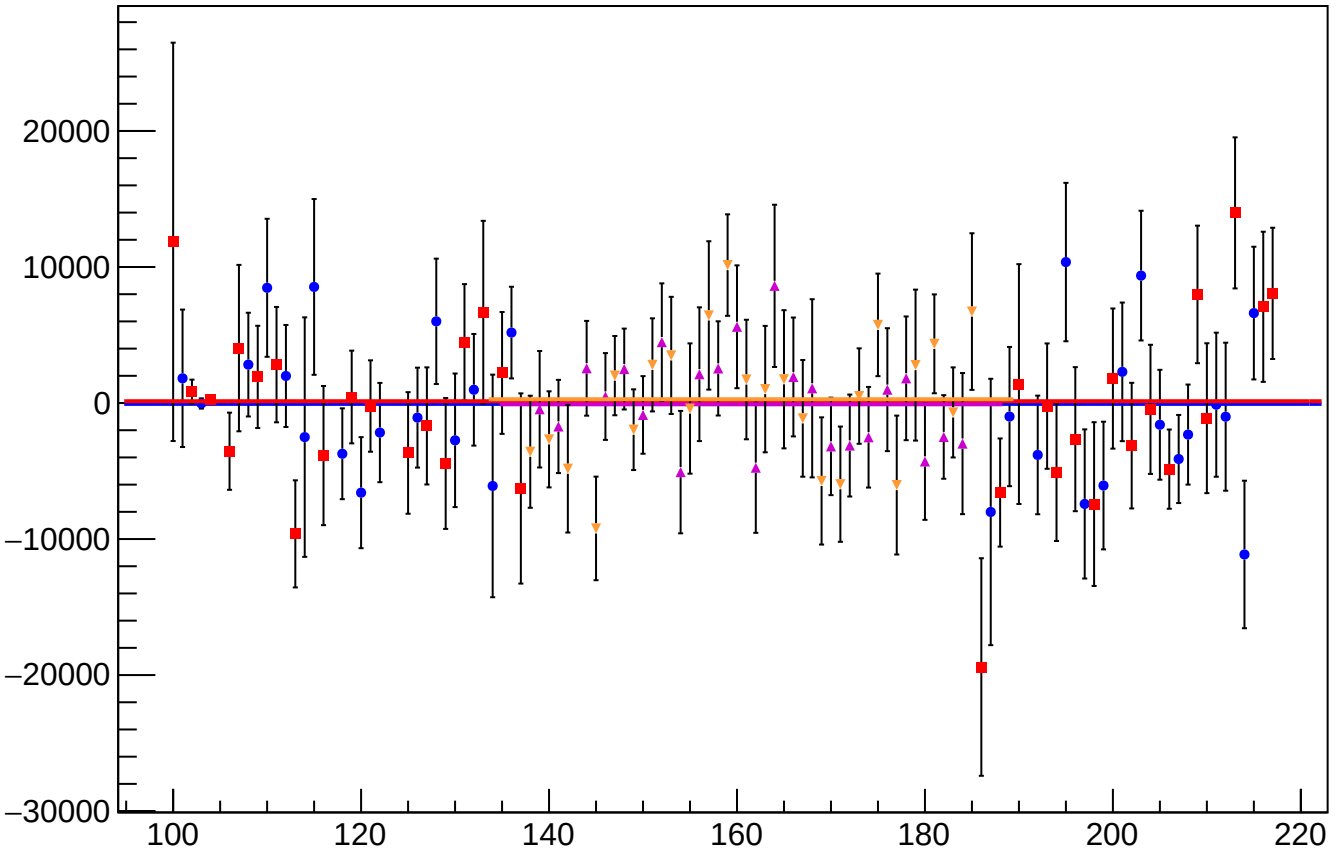
Right Out: 1134.551+/-0.180 χ^2/NDF: 250221.0/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.070+/-0.128 χ^2/NDF: 713838.5/54

All: 1115.173+/-0.091 χ^2/NDF: 1034033.5/11

- sign 1118.248+/-0.128 χ^2/NDF: 319033.4/56



Right In: -63.681+/-343.287 χ^2/NDF: 35.3/30

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

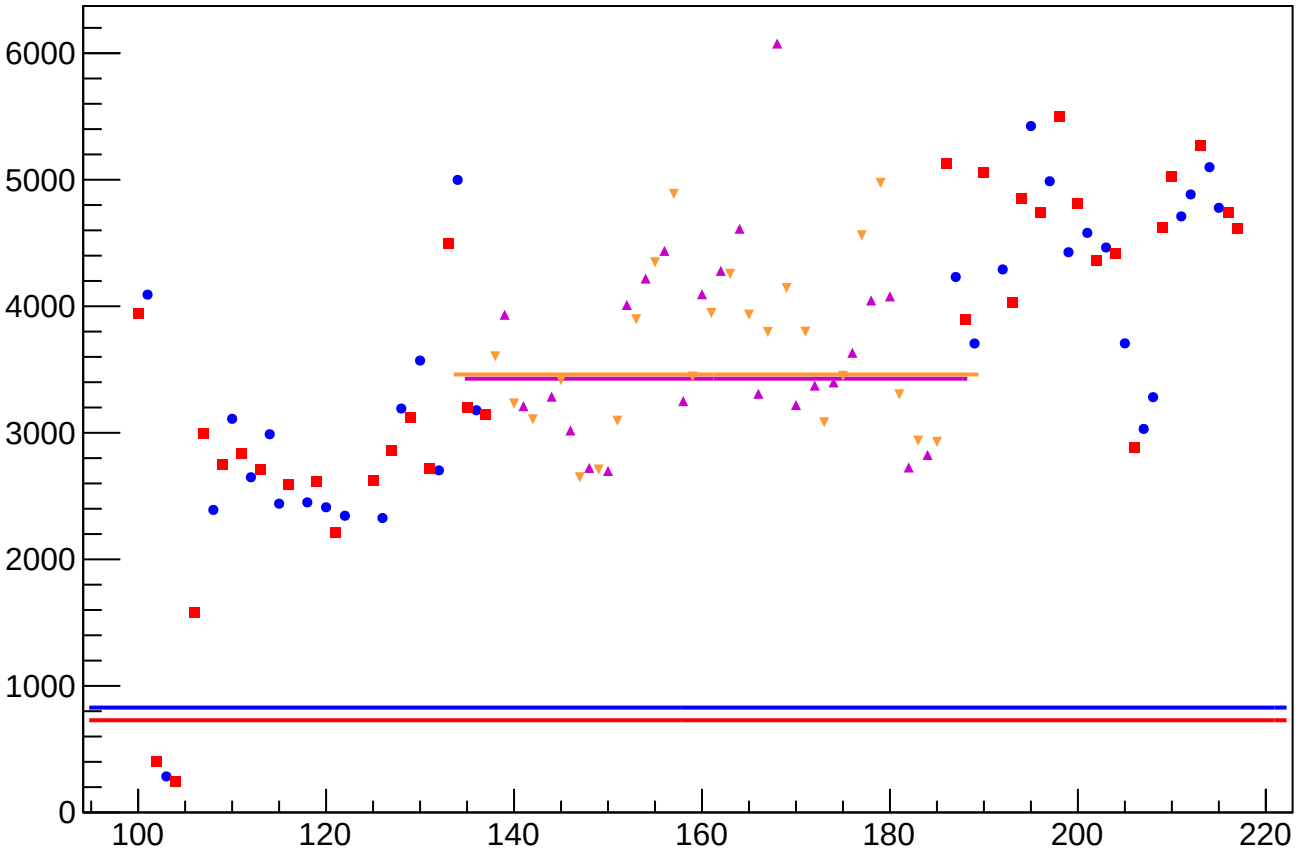
Right Out: 132.528+/-311.887 χ^2/NDF: 44.0/33

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -12.854+/-316.687 χ^2/NDF: 65.3/54

All: 50.229+/-214.429 χ^2/NDF: 123.1/111

- sign 103.636+/-291.388 χ^2/NDF: 57.7/56



Right In: 828.757+/-0.243 χ^2/NDF: 26469173.2/30

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 728.646+/-0.221 χ^2/NDF: 28384775.4/33

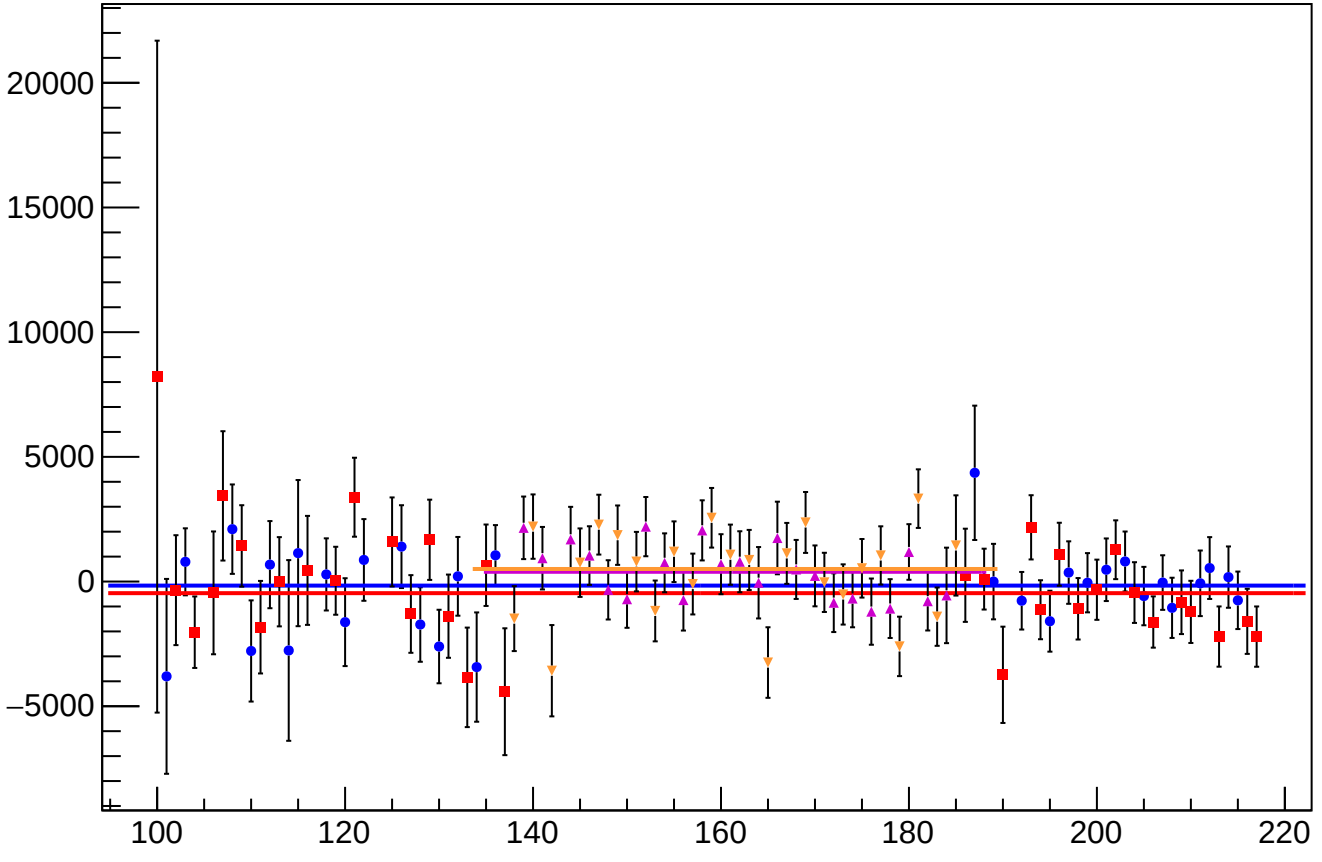
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1220.923+/-0.224 χ^2/NDF: 45048646.5/54

All: 1140.172+/-0.152 χ^2/NDF: 93961245.8/1

- sign 1071.808+/-0.206 χ^2/NDF: 48672475.9/56

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -162.608+/-258.270 χ^2/NDF: 21.7/30

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.623+/-254.334 χ^2/NDF: 39.8/33

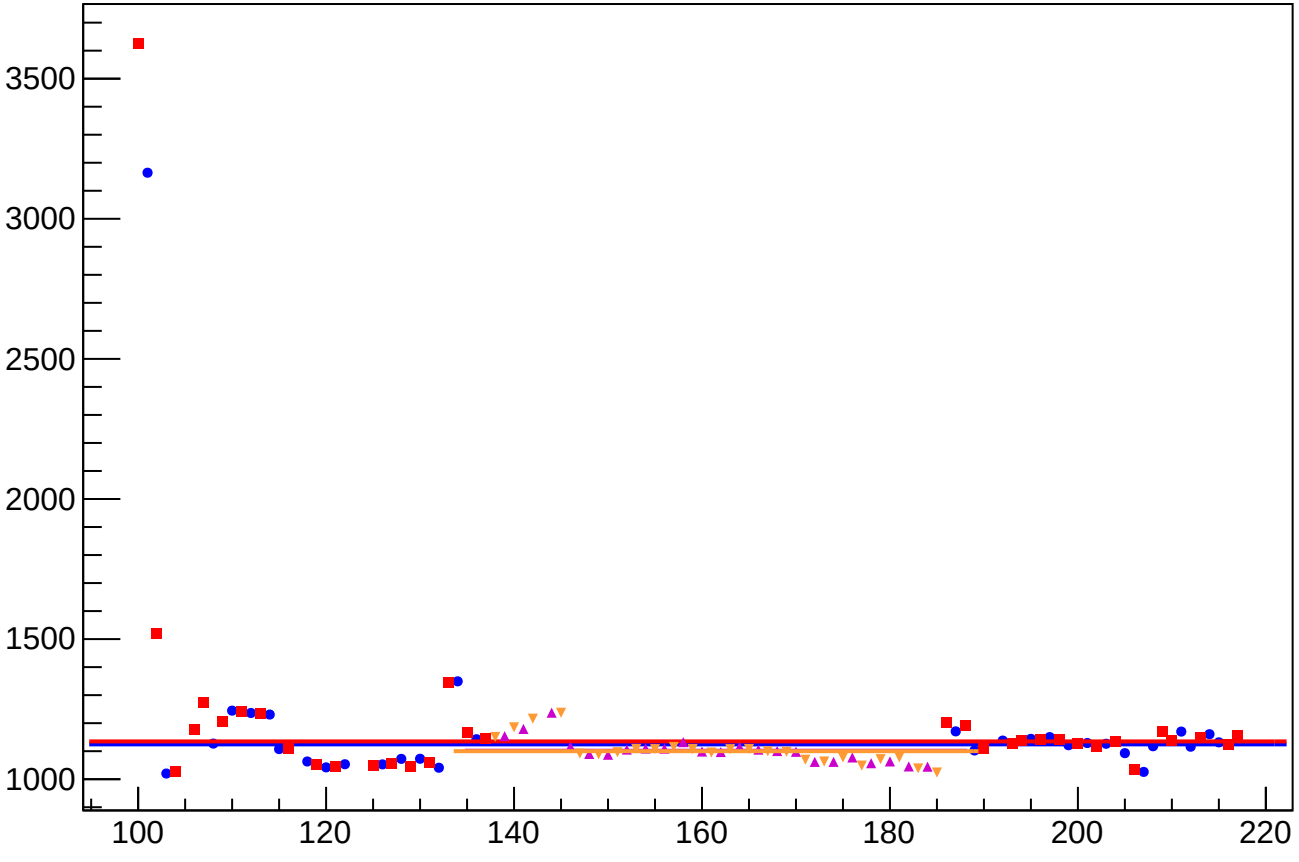
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 174.088+/-181.648 χ^2/NDF: 69.6/54

All: 65.564+/-128.183 χ^2/NDF: 133.6/111

- sign -42.081+/-180.911 χ^2/NDF: 63.3/56

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

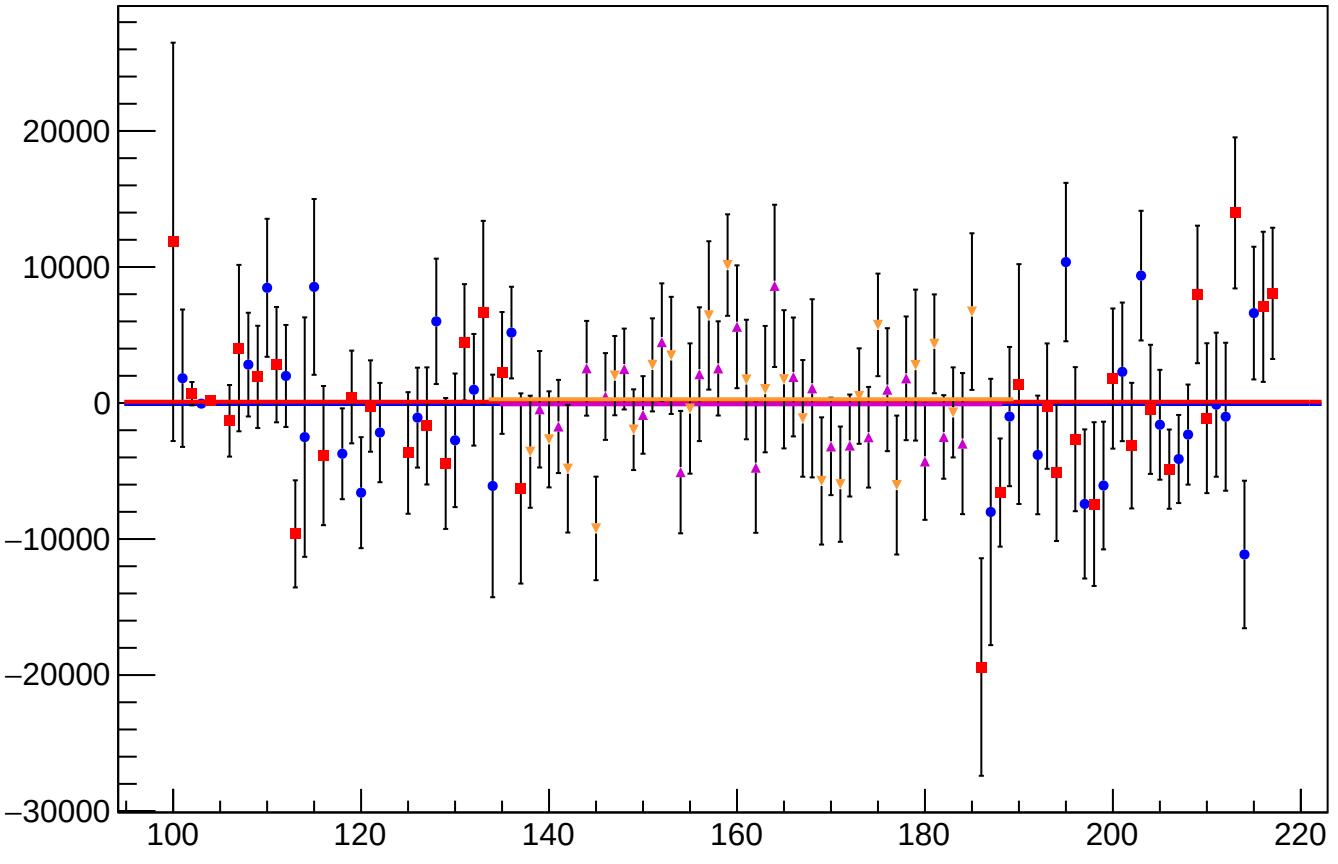
Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.070+/-0.128 χ^2/NDF: 713839.5/54

All: 1115.253+/-0.091 χ^2/NDF: 1035021.2/11

- sign 1118.409+/-0.128 χ^2/NDF: 319959.1/56



Right In: -72.306+/-331.630 χ^2/NDF: 35.3/30

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

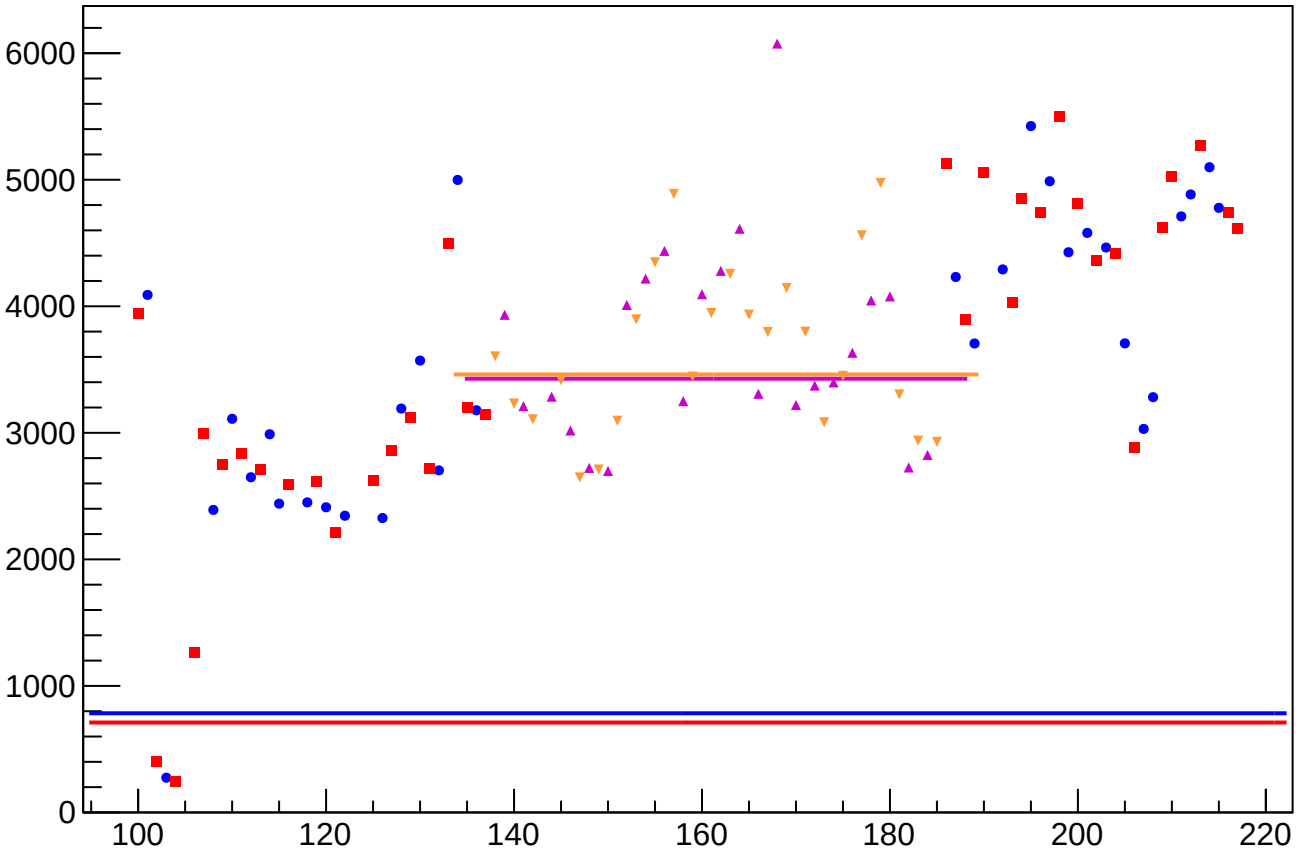
Right Out: 92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -23.180+/-307.466 χ^2/NDF: 65.3/54

All: 25.948+/-210.018 χ^2/NDF: 121.3/111

\- sign 68.919+/-287.553 χ^2/NDF: 56.0/56



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

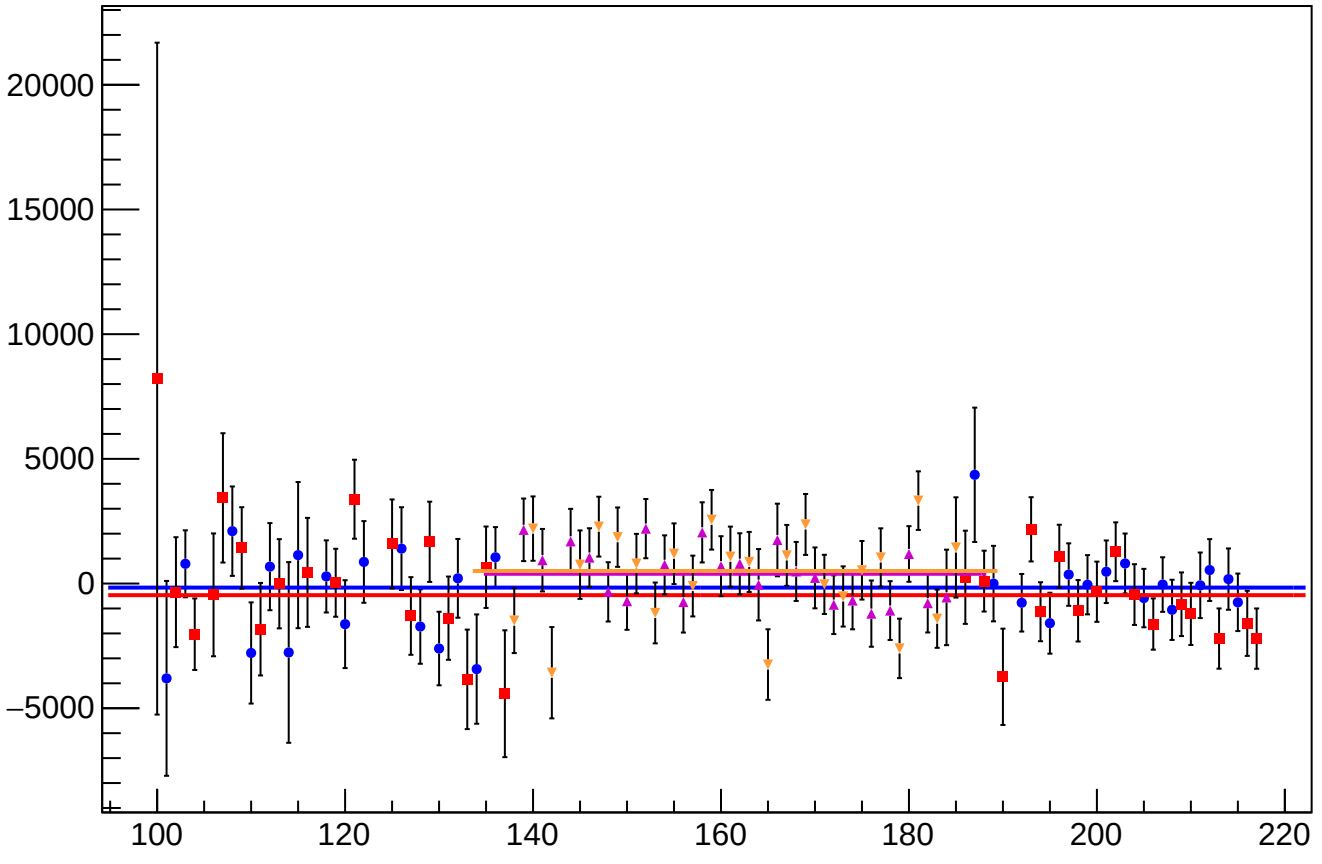
Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1159.764+/-0.217 χ^2/NDF: 46329535.6/54

All: 1099.681+/-0.149 χ^2/NDF: 95541619.0/1

- sign 1047.127+/-0.203 χ^2/NDF: 49068904.8/56



Right In: -162.608+/-258.270 χ^2/NDF: 21.7/30

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -465.623+/-254.334 χ^2/NDF: 39.8/33

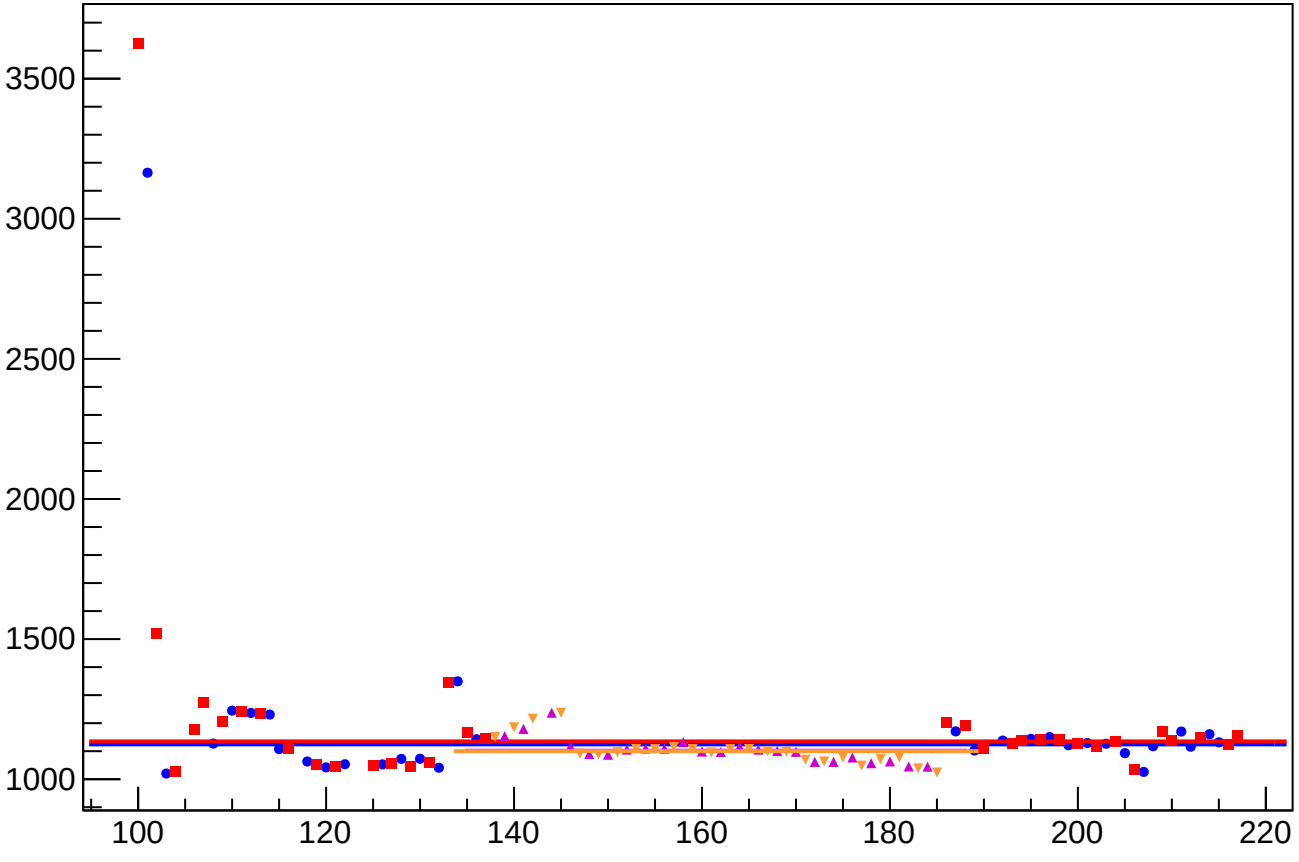
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 174.088+/-181.648 χ^2/NDF: 69.6/54

All: 65.564+/-128.183 χ^2/NDF: 133.6/111

- sign -42.081+/-180.911 χ^2/NDF: 63.3/56

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.336+/-0.183 χ^2/NDF: 646179.0/30

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

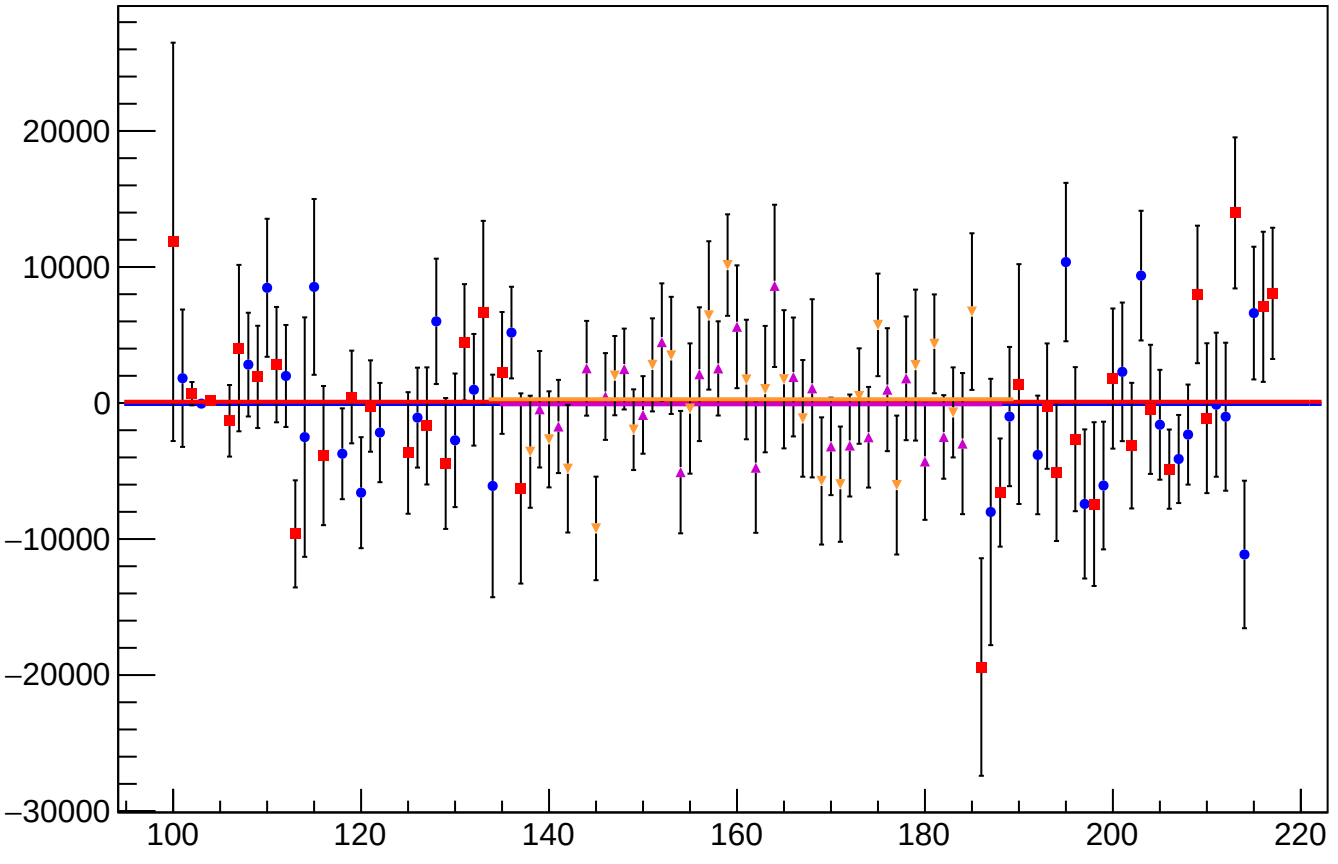
Right Out: 1134.883+/-0.180 χ^2/NDF: 250817.2/33

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.070+/-0.128 χ^2/NDF: 713839.5/54

All: 1115.253+/-0.091 χ^2/NDF: 1035021.2/11

- sign 1118.409+/-0.128 χ^2/NDF: 319959.1/56



Right In: -72.306+/-331.630 χ^2/NDF: 35.3/30

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

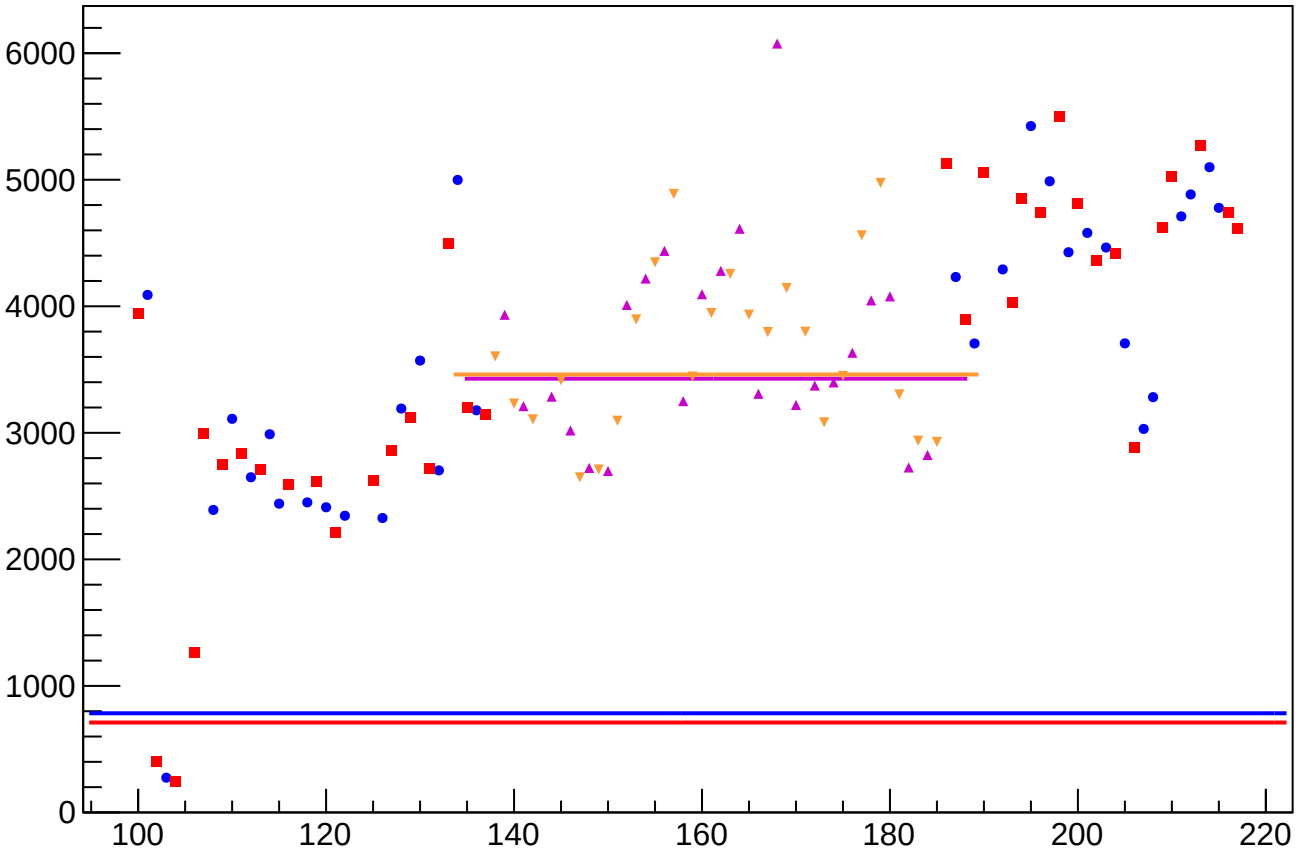
Right Out: 92.045+/-307.199 χ^2/NDF: 42.3/33

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -23.180+/-307.466 χ^2/NDF: 65.3/54

All: 25.948+/-210.018 χ^2/NDF: 121.3/111

- sign 68.919+/-287.553 χ^2/NDF: 56.0/56



Right In: 783.789+/-0.234 χ^2/NDF: 26964300.7/30

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 710.717+/-0.217 χ^2/NDF: 28453881.9/33

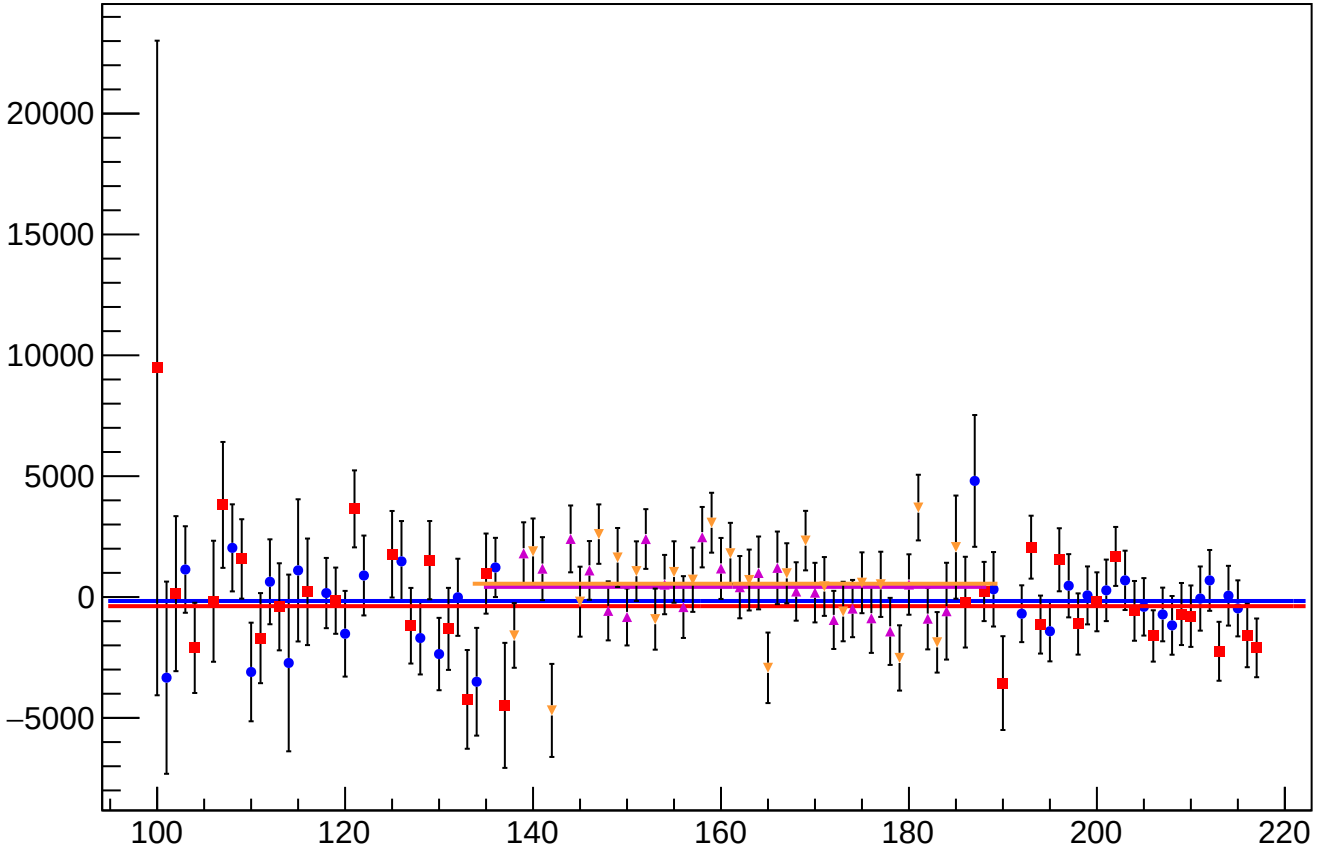
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1159.764+/-0.217 χ^2/NDF: 46329535.6/54

All: 1099.681+/-0.149 χ^2/NDF: 95541619.0/1

- sign 1047.127+/-0.203 χ^2/NDF: 49068904.8/56

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -163.243+/-263.671 χ^2/NDF: 21.4/30

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.633+/-260.333 χ^2/NDF: 41.5/33

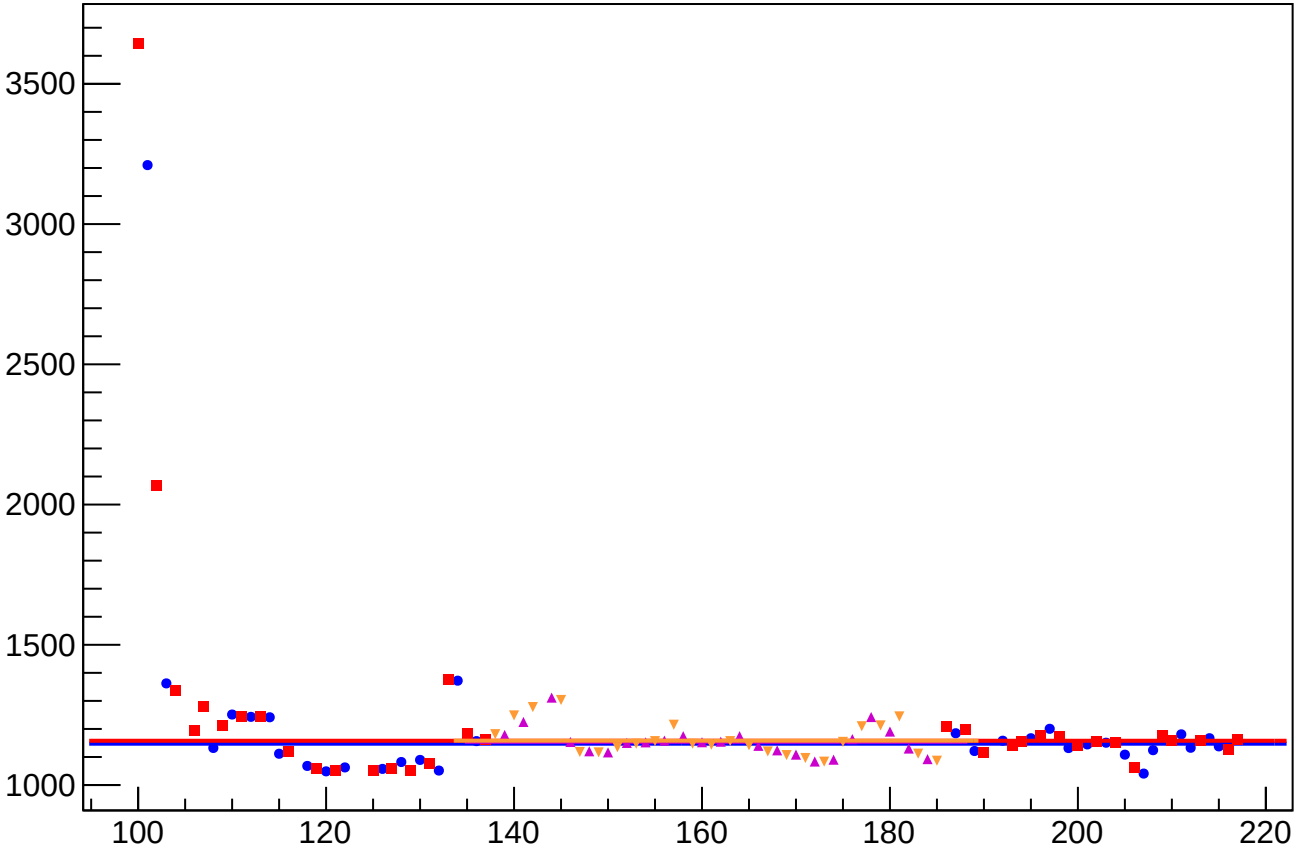
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 186.295+/-188.370 χ^2/NDF: 70.2/54

All: 96.367+/-132.834 χ^2/NDF: 134.7/111

- sign 7.415+/-187.346 χ^2/NDF: 64.1/56

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.389+/-0.186 χ^2/NDF: 666500.1/30

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

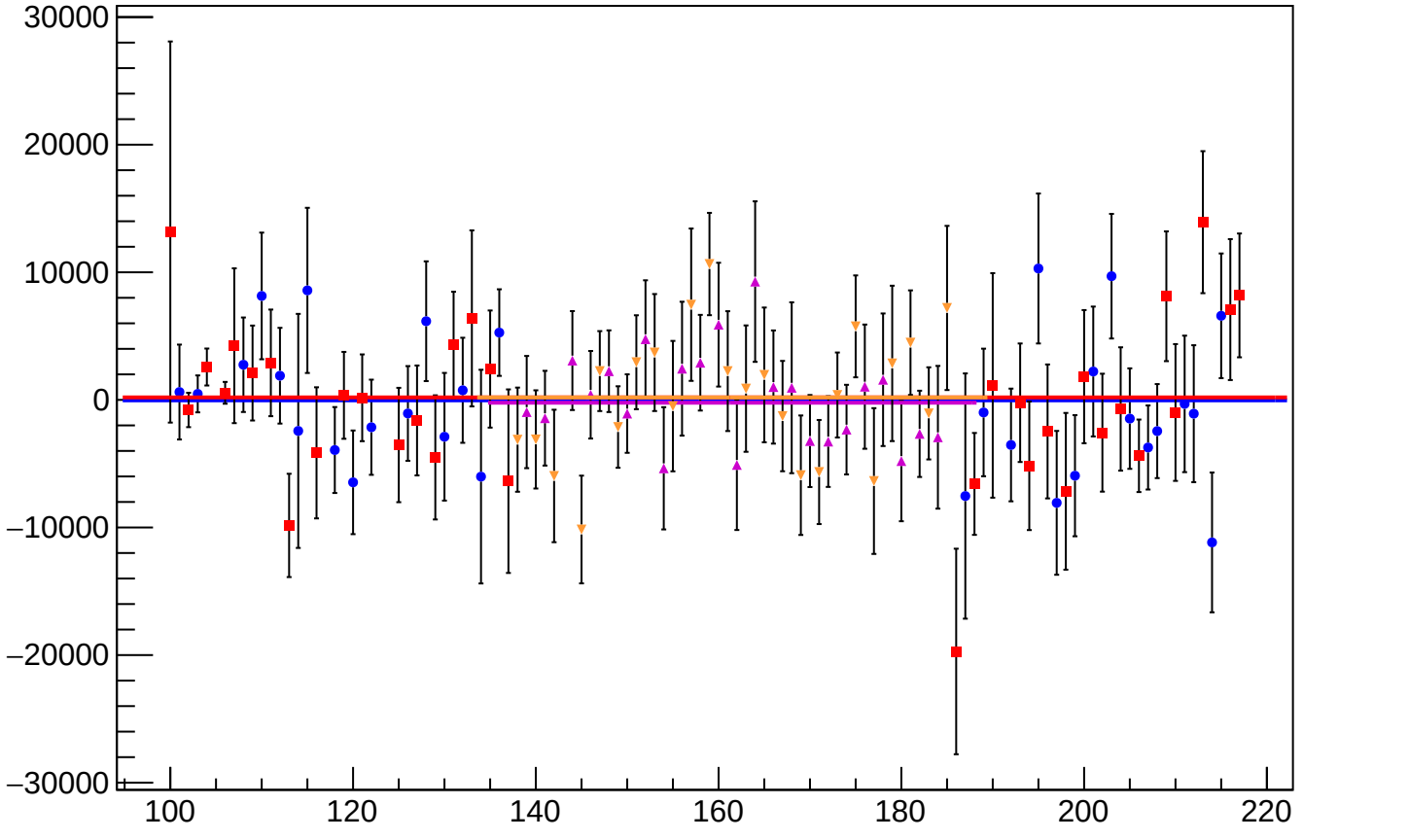
Right Out: 1157.904+/-0.184 χ^2/NDF: 357128.9/33

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1152.671+/-0.133 χ^2/NDF: 752251.2/54

All: 1154.411+/-0.094 χ^2/NDF: 1176388.7/11

- sign 1156.133+/-0.132 χ^2/NDF: 423797.8/56



Right In: -35.149+/-712.209 χ^2/NDF: 34.8/30

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

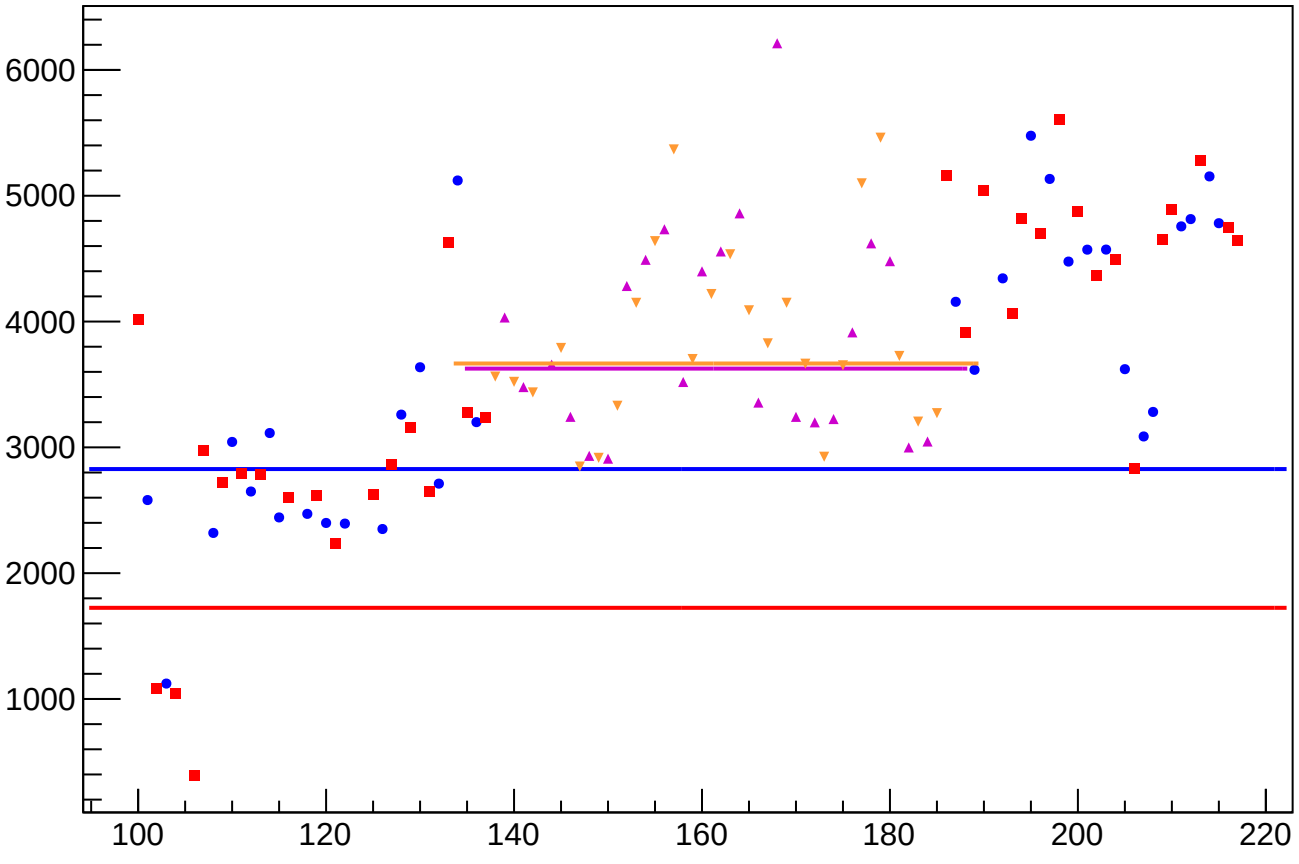
Right Out: 194.219+/-513.401 χ^2/NDF: 44.6/33

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 55.157+/-550.953 χ^2/NDF: 64.1/54

All: 73.889+/-344.511 χ^2/NDF: 122.2/111

- sign 85.916+/-441.464 χ^2/NDF: 58.1/56



Right In: 2827.533+/-0.504 χ^2/NDF: 6324315.8/30

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1724.562+/-0.363 χ^2/NDF: 17522776.1/33

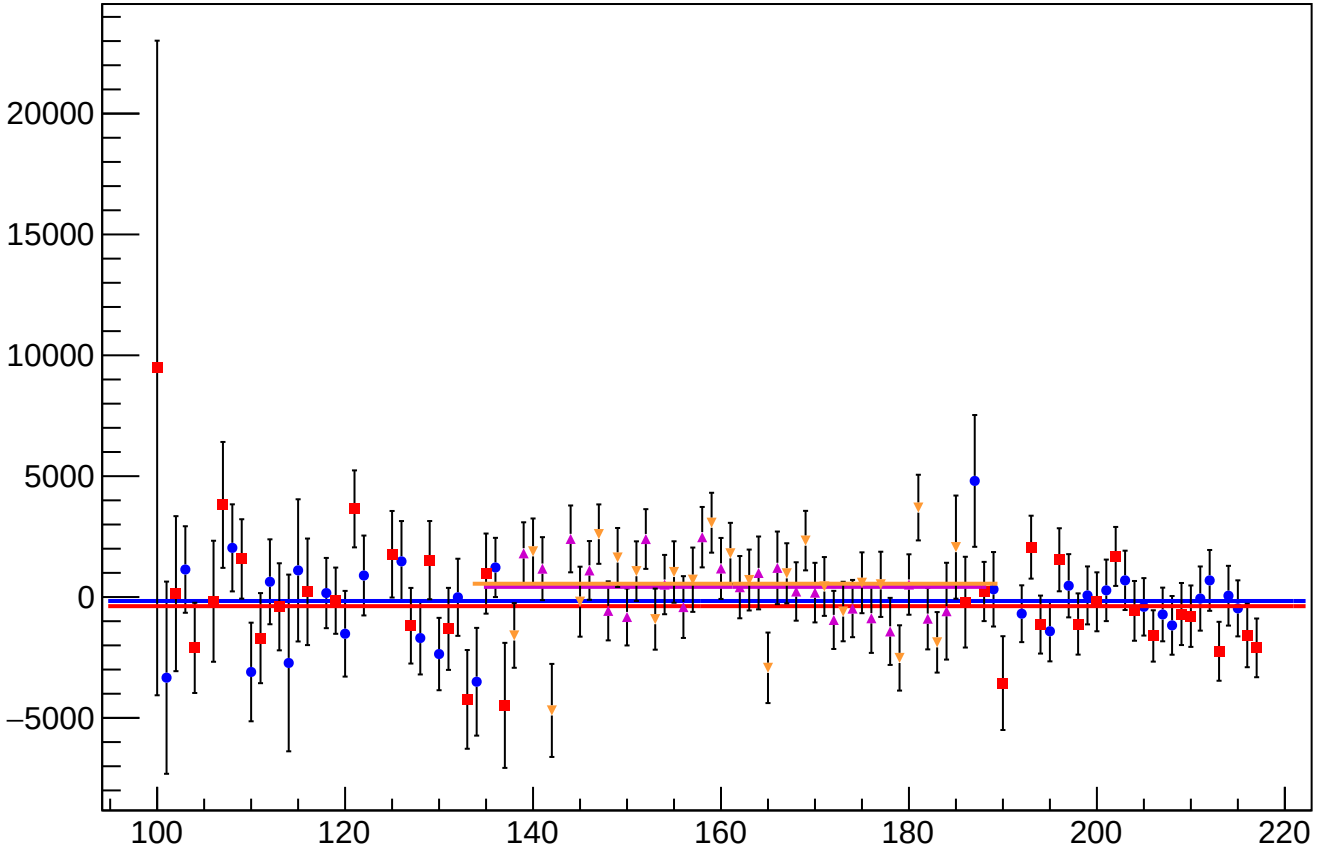
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3164.449+/-0.390 χ^2/NDF: 8534700.8/54

All: 2589.323+/-0.244 χ^2/NDF: 38042828.8/1

- sign 2220.071+/-0.312 χ^2/NDF: 25929565.7/56

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -163.240+/-263.671 χ^2/NDF: 21.4/30

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.634+/-260.333 χ^2/NDF: 41.5/33

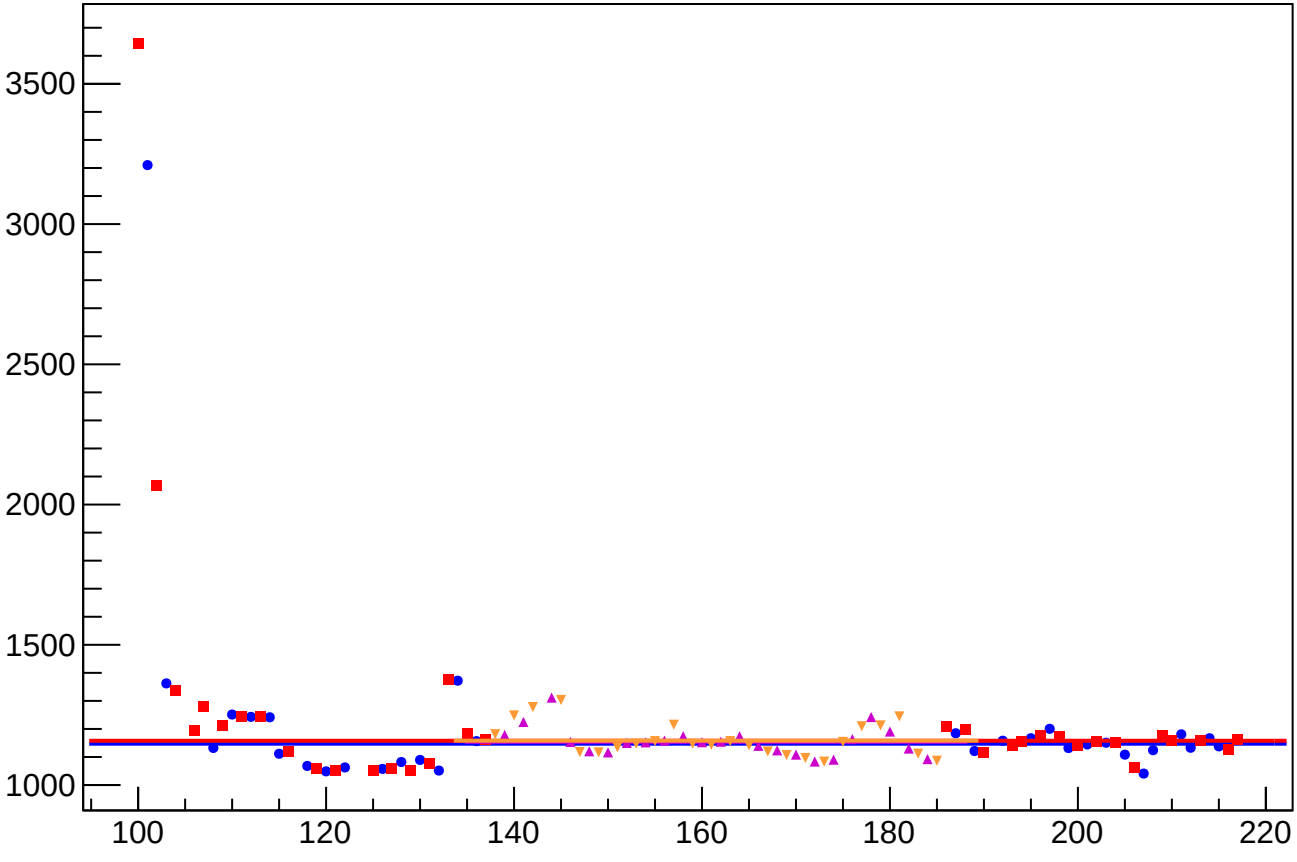
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 186.297+/-188.370 χ^2/NDF: 70.2/54

All: 96.367+/-132.834 χ^2/NDF: 134.7/111

- sign 7.414+/-187.346 χ^2/NDF: 64.1/56

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.388+/-0.186 χ^2/NDF: 666500.5/30

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

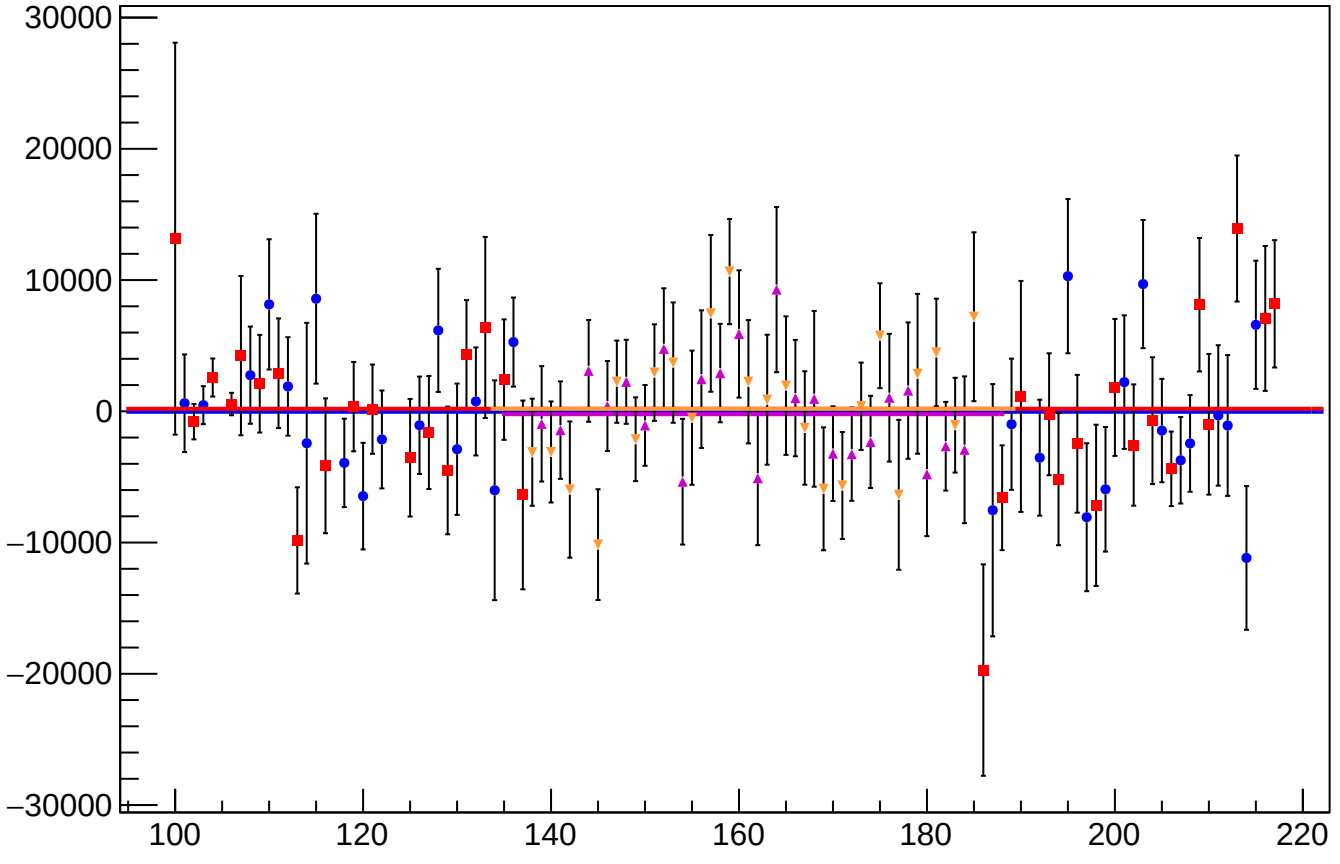
Right Out: 1157.904+/-0.184 χ^2/NDF: 357128.7/33

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1152.671+/-0.133 χ^2/NDF: 752254.4/54

All: 1154.412+/-0.094 χ^2/NDF: 1176394.2/11

- sign 1156.134+/-0.132 χ^2/NDF: 423800.0/56



Right In: -35.151+/-712.208 χ^2/NDF: 34.8/30

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

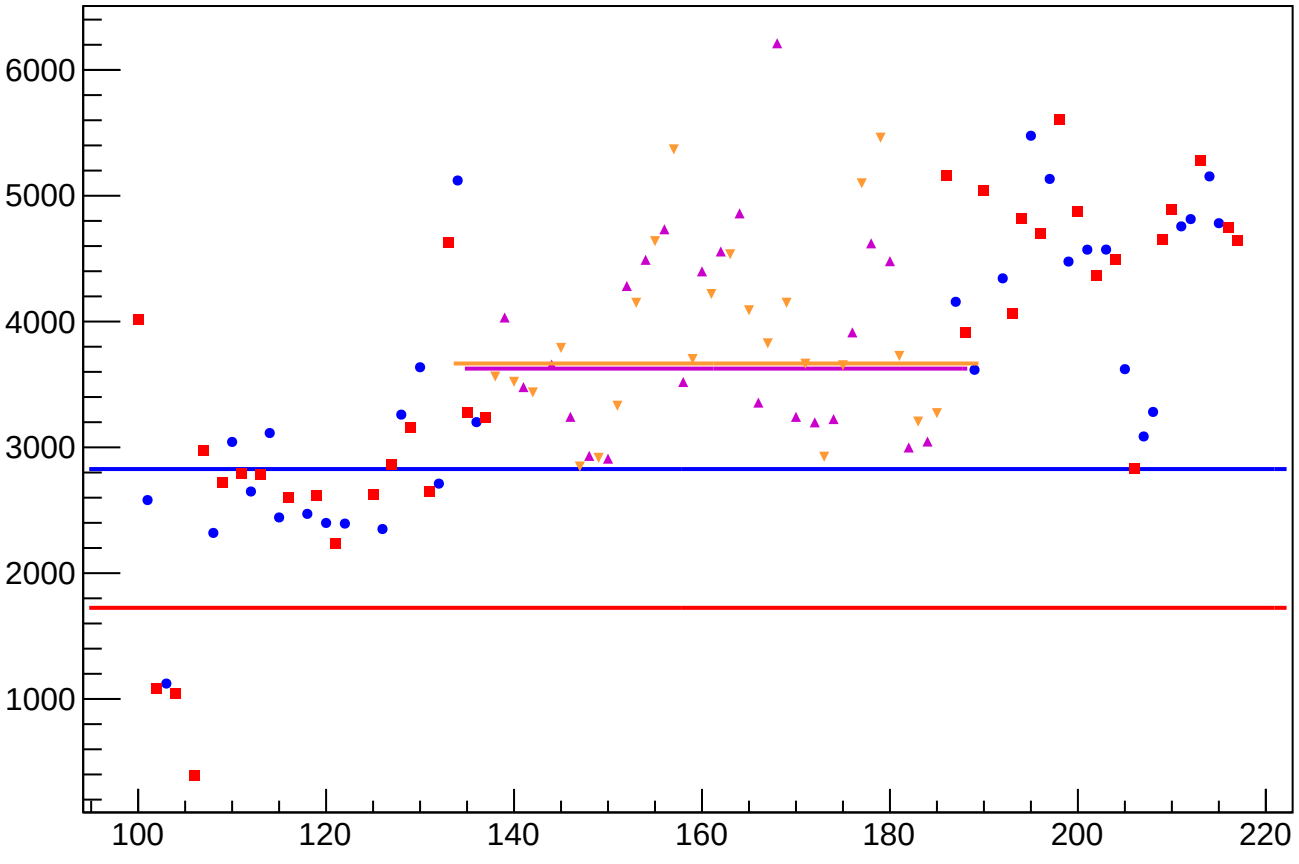
Right Out: 194.224+/-513.396 χ^2/NDF: 44.6/33

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

\+ sign 55.155+/-550.954 χ^2/NDF: 64.1/54

All: 73.892+/-344.510 χ^2/NDF: 122.2/111

\- sign 85.921+/-441.461 χ^2/NDF: 58.1/56



Right In: 2827.530+/-0.504 χ^2/NDF: 6324345.0/30

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1724.532+/-0.363 χ^2/NDF: 17523125.3/33

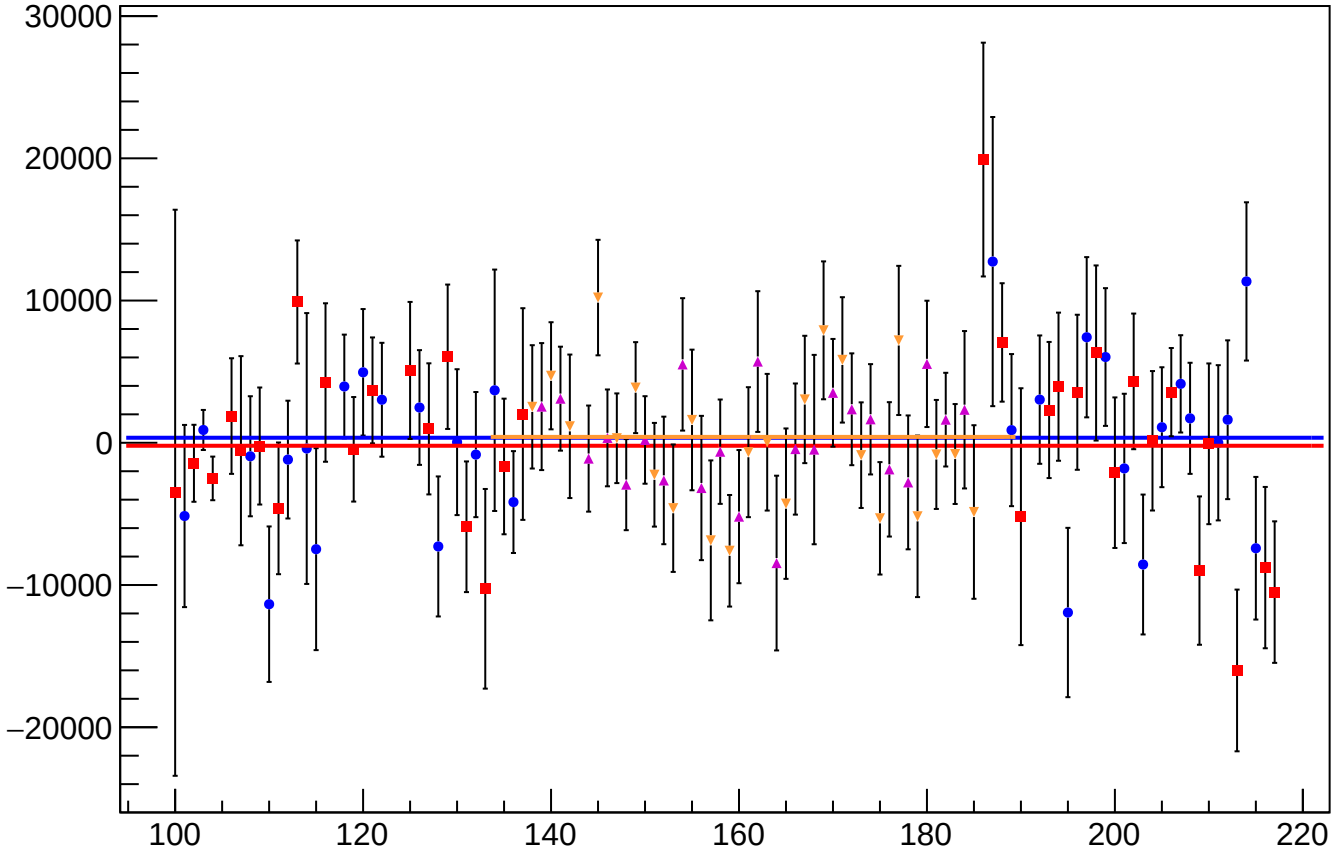
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3164.449+/-0.390 χ^2/NDF: 8534752.4/54

All: 2589.302+/-0.244 χ^2/NDF: 38043755.7/1

- sign 2220.042+/-0.312 χ^2/NDF: 25930204.1/56

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 354.518+/-745.681 χ^2/NDF: 34.2/30

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -209.479+/-732.330 χ^2/NDF: 48.9/33

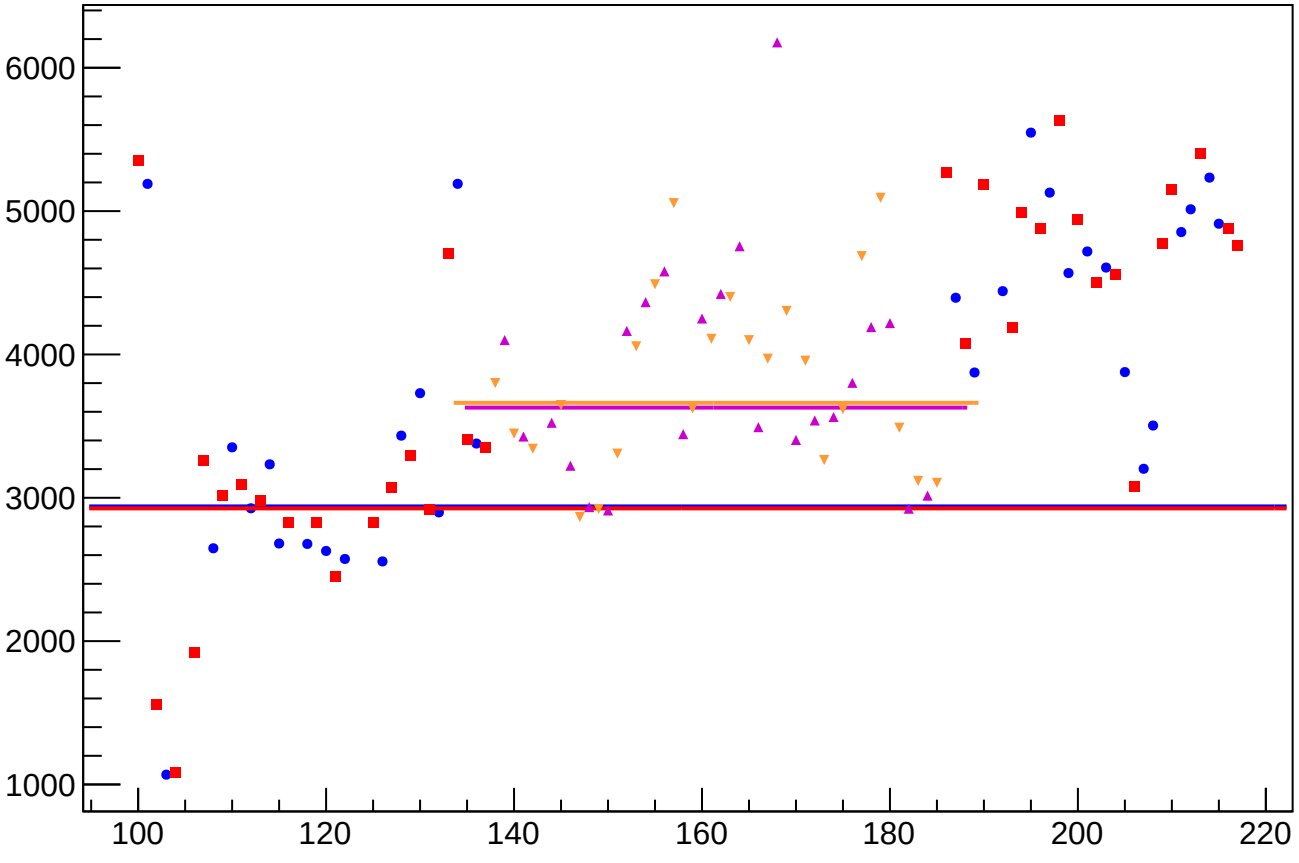
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 379.650+/-564.881 χ^2/NDF: 61.3/54

All: 211.531+/-397.058 χ^2/NDF: 123.0/111

\- sign 47.349+/-558.228 χ^2/NDF: 61.5/56

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 2939.732+/-0.527 χ^2/NDF: 7114094.9/30

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

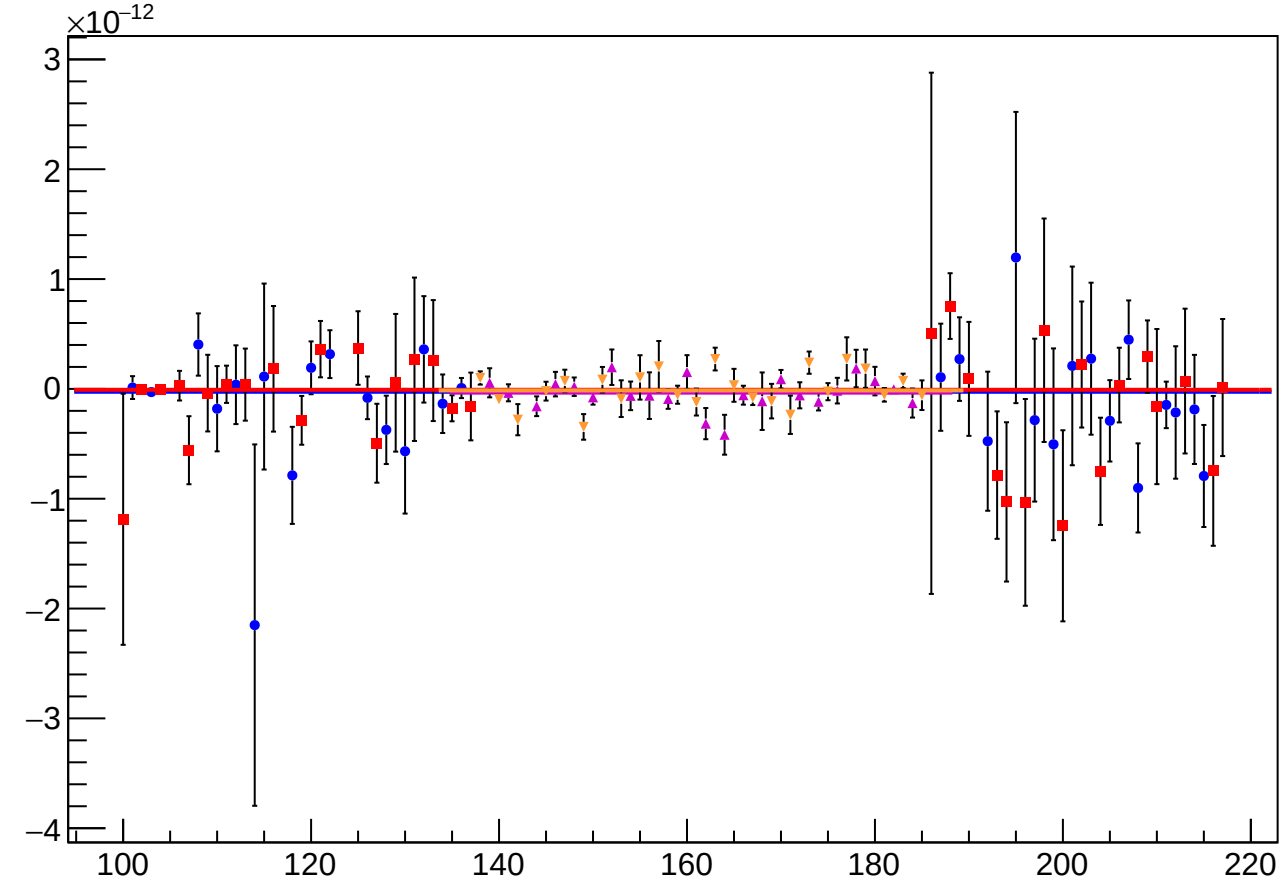
Right Out: 2926.125+/-0.517 χ^2/NDF: 7498722.5/33

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3247.799+/-0.399 χ^2/NDF: 8808624.6/54

All: 3233.787+/-0.281 χ^2/NDF: 18138028.9/1

- sign 3220.128+/-0.394 χ^2/NDF: 9326974.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

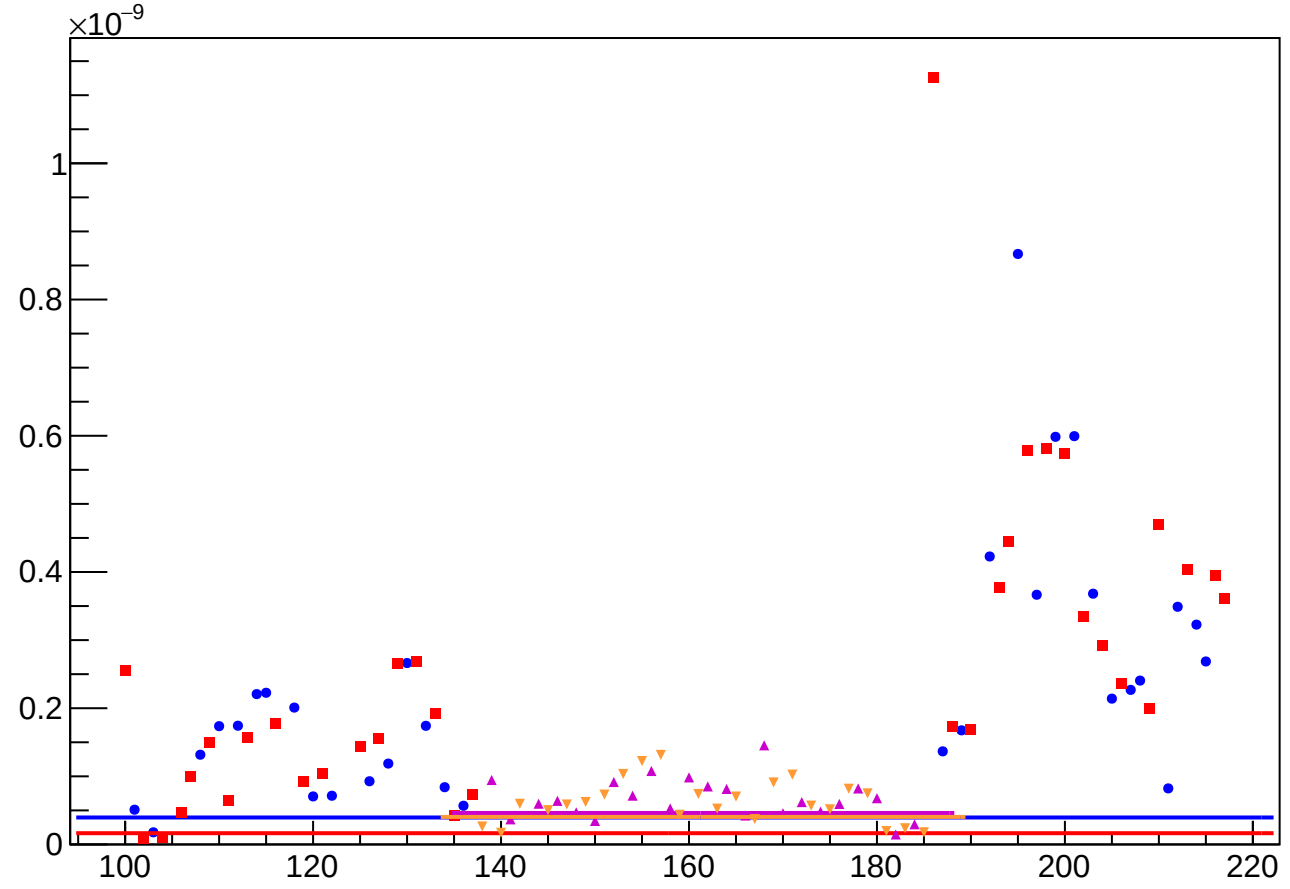
Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/33

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.1/54

All: -0.000+/-0.000 χ^2/NDF: 128.4/111

- sign -0.000+/-0.000 χ^2/NDF: 56.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 10700359.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

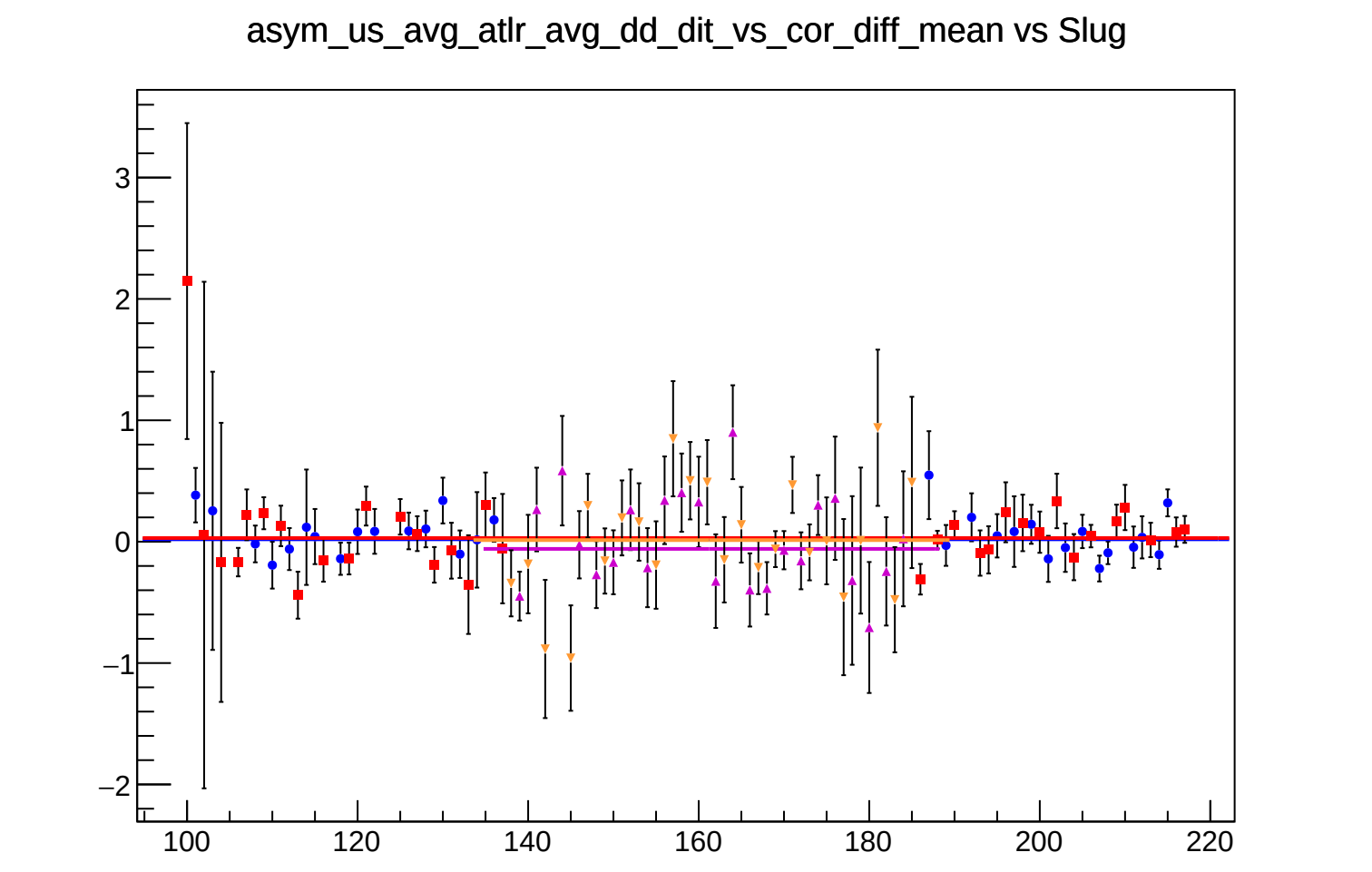
Right Out: 0.000+/-0.000 χ^2/NDF: 13983225.4/33

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14134065.8/54

All: 0.000+/-0.000 χ^2/NDF: 34841304.7/111

- sign 0.000+/-0.000 χ^2/NDF: 19747027.7/56



Right In: 0.020+/-0.030 χ^2/NDF: 30.5/30

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

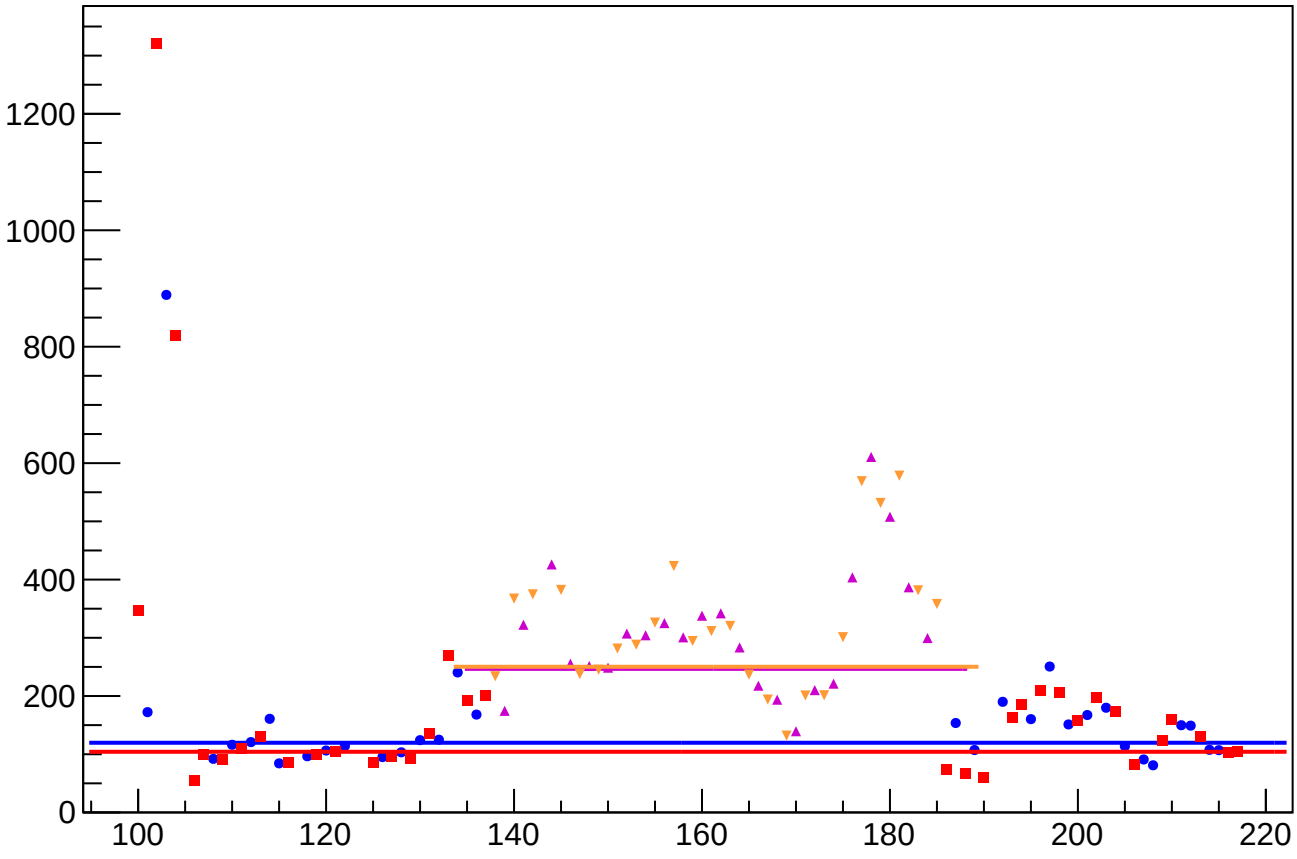
Right Out: 0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.018+/-0.027 χ^2/NDF: 59.8/54

All: 0.017+/-0.018 χ^2/NDF: 131.9/111

- sign 0.016+/-0.024 χ^2/NDF: 72.1/56



Right In: 119.721+/-0.021 χ^2/NDF: 3462882.6/30

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

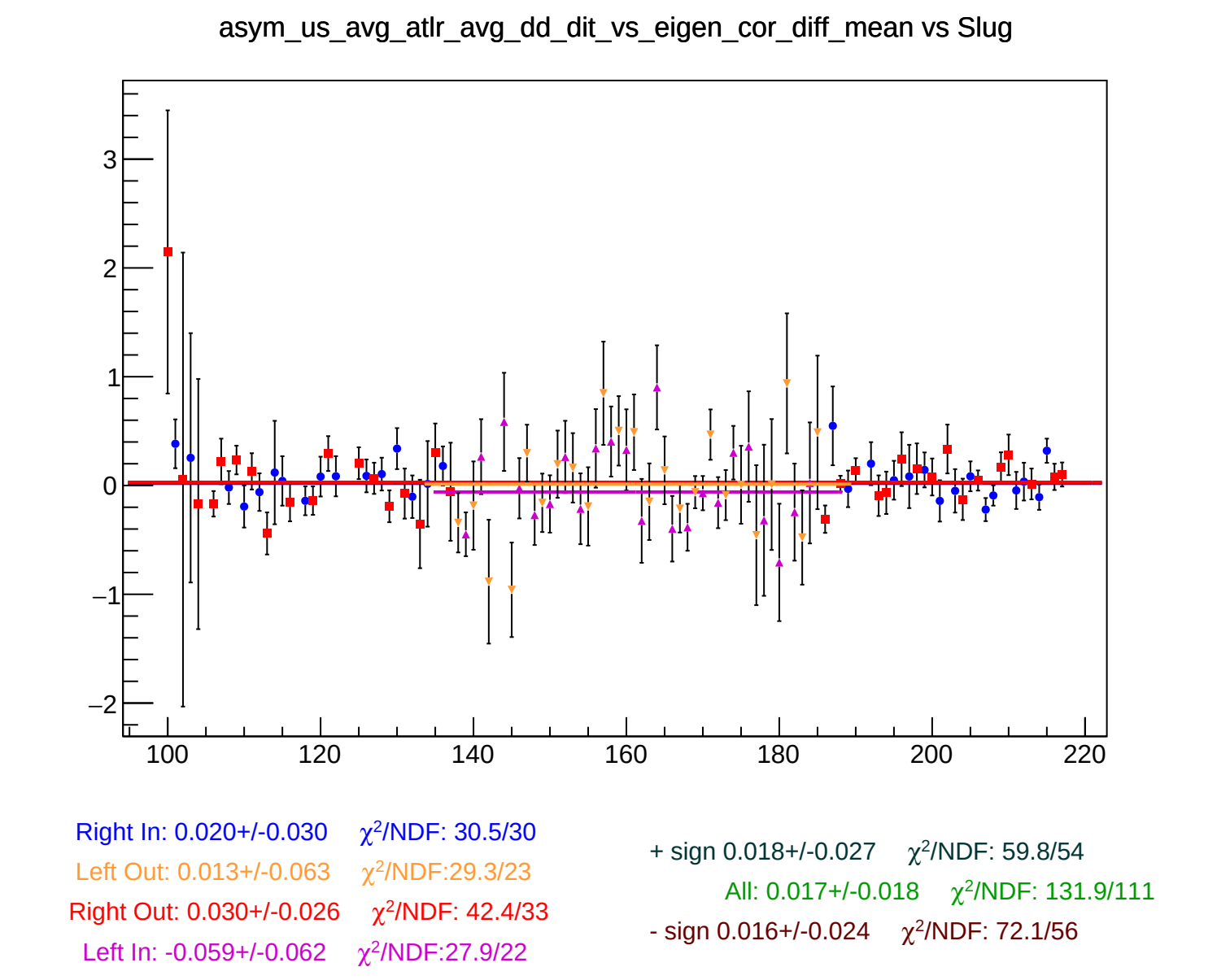
Right Out: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

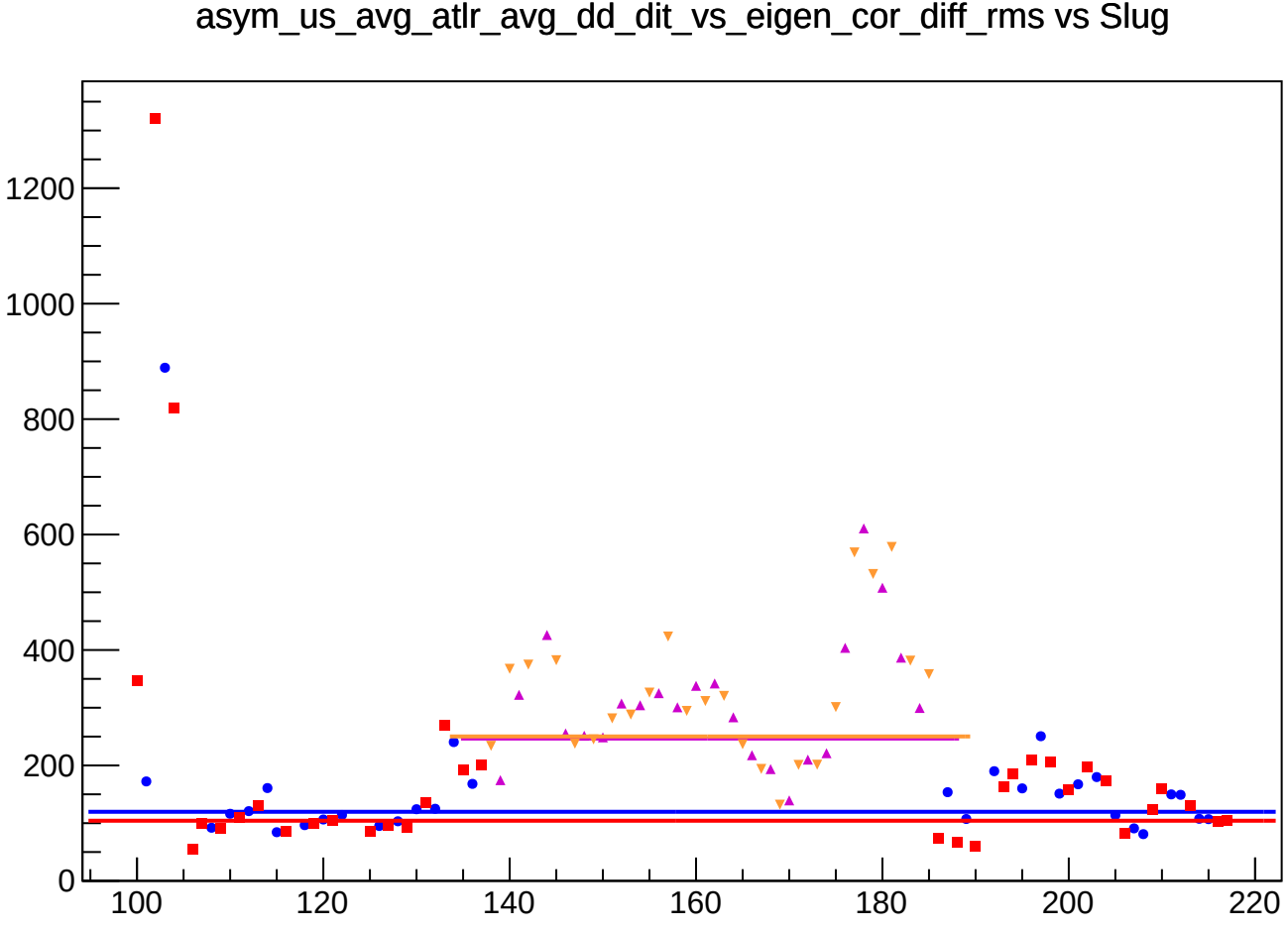
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 143.601+/-0.019 χ^2/NDF: 14828655.0/54

All: 133.964+/-0.013 χ^2/NDF: 34115077.3/11

- sign 126.120+/-0.017 χ^2/NDF: 18822557.2/56


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.020+/-0.030 χ²/NDF: 30.5/30
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.018+/-0.027 χ²/NDF: 59.8/54
All: 0.017+/-0.018 χ²/NDF: 131.9/111
- sign 0.016+/-0.024 χ²/NDF: 72.1/56



Right In: 119.721+/-0.021 χ^2/NDF: 3462882.6/30

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

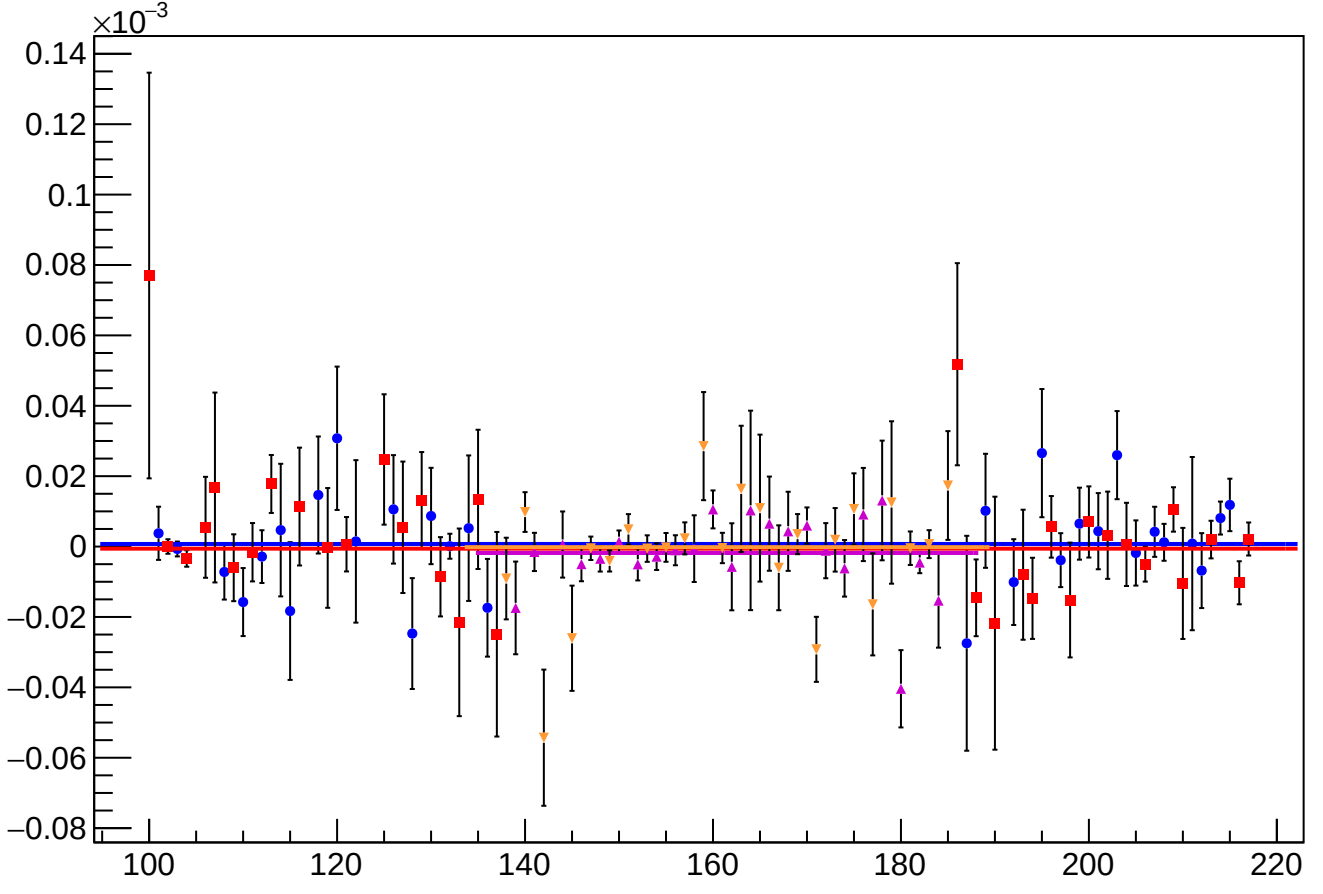
Right Out: 104.227+/-0.019 χ^2/NDF: 6123765.9/33

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 143.601+/-0.019 χ^2/NDF: 14828655.0/54

All: 133.964+/-0.013 χ^2/NDF: 34115077.3/11

- sign 126.120+/-0.017 χ^2/NDF: 18822557.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

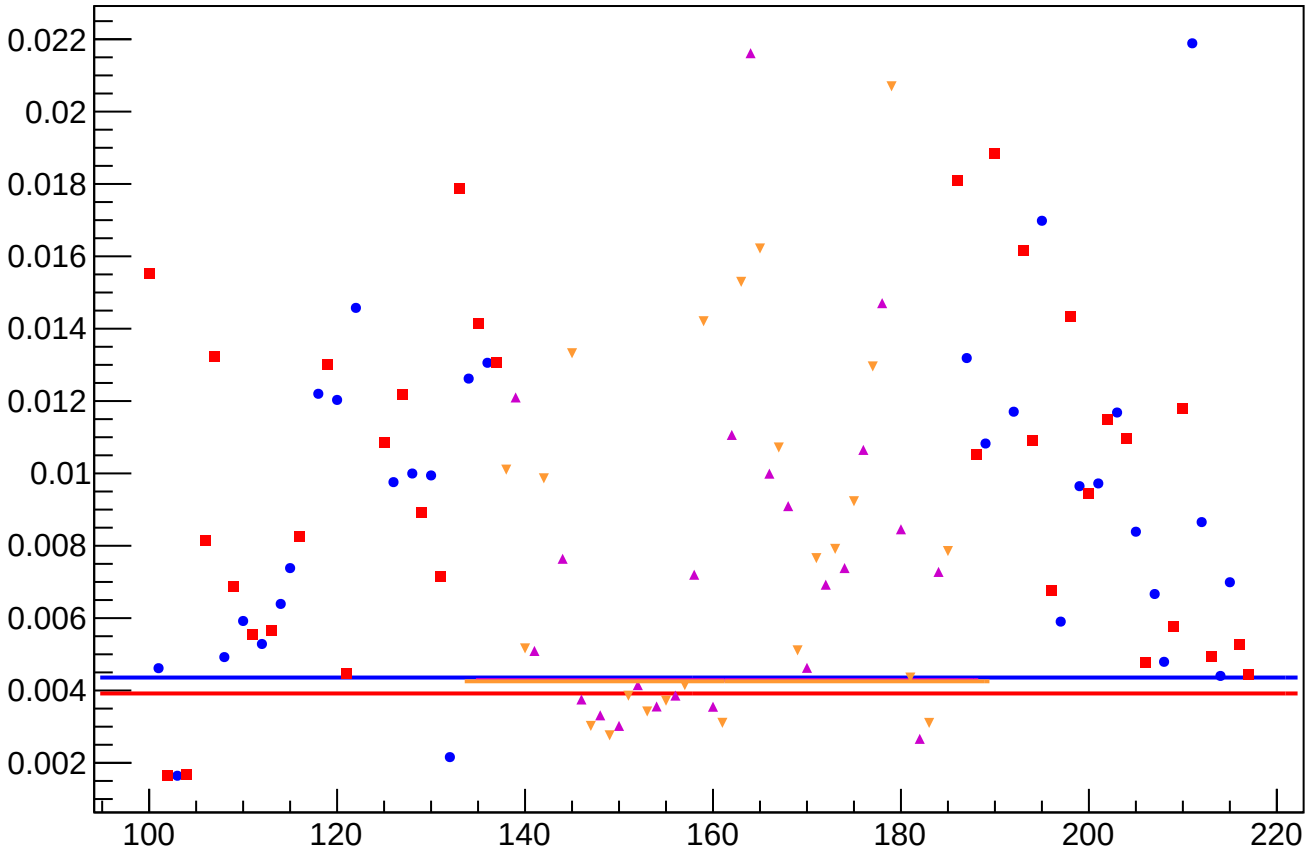
Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/33

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/54

All: -0.000+/-0.000 χ^2/NDF: 127.2/111

- sign -0.000+/-0.000 χ^2/NDF: 60.2/56



Right In: 0.004+/-0.000 χ^2/NDF: 13454912.0/30

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

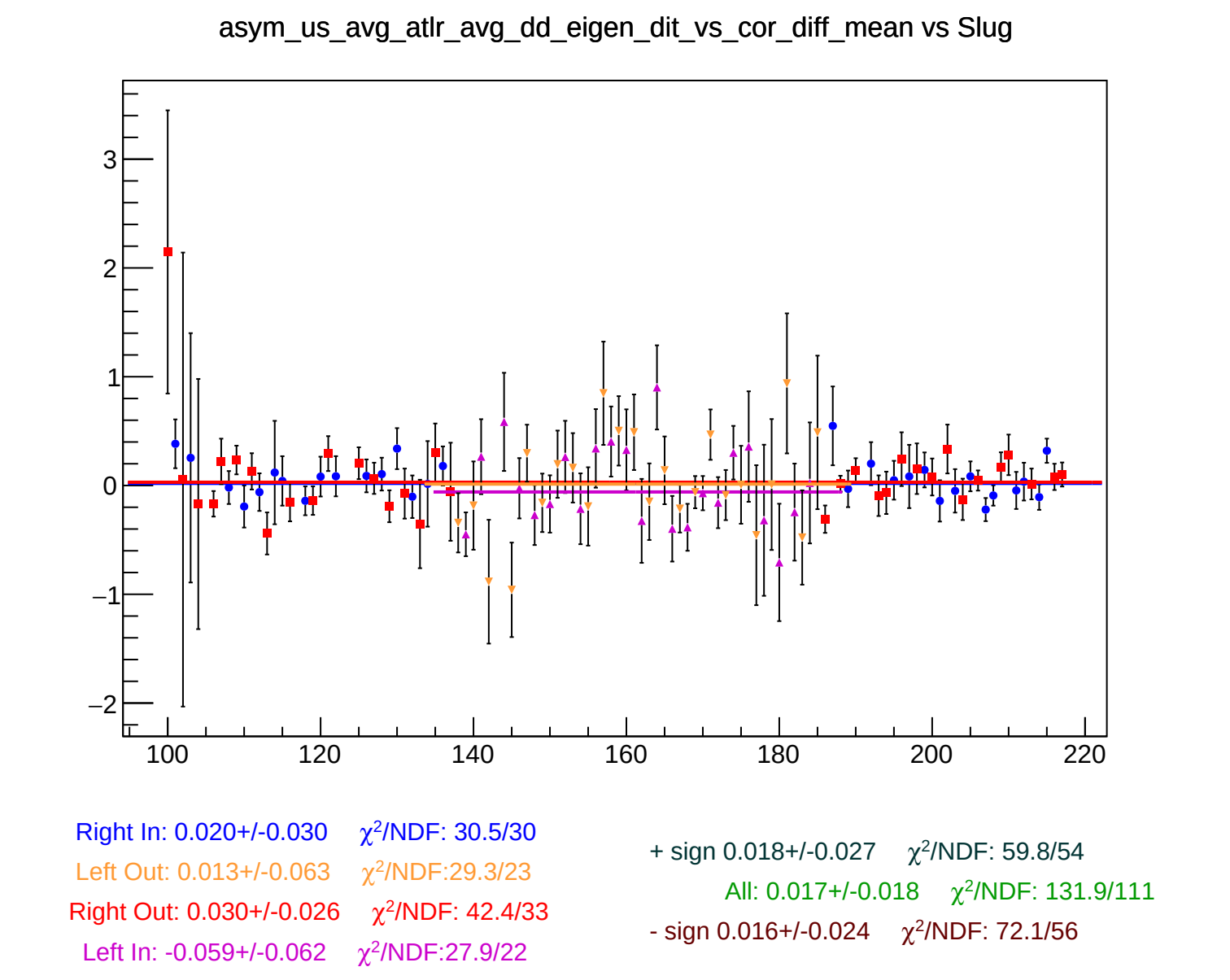
Right Out: 0.004+/-0.000 χ^2/NDF: 15365237.6/33

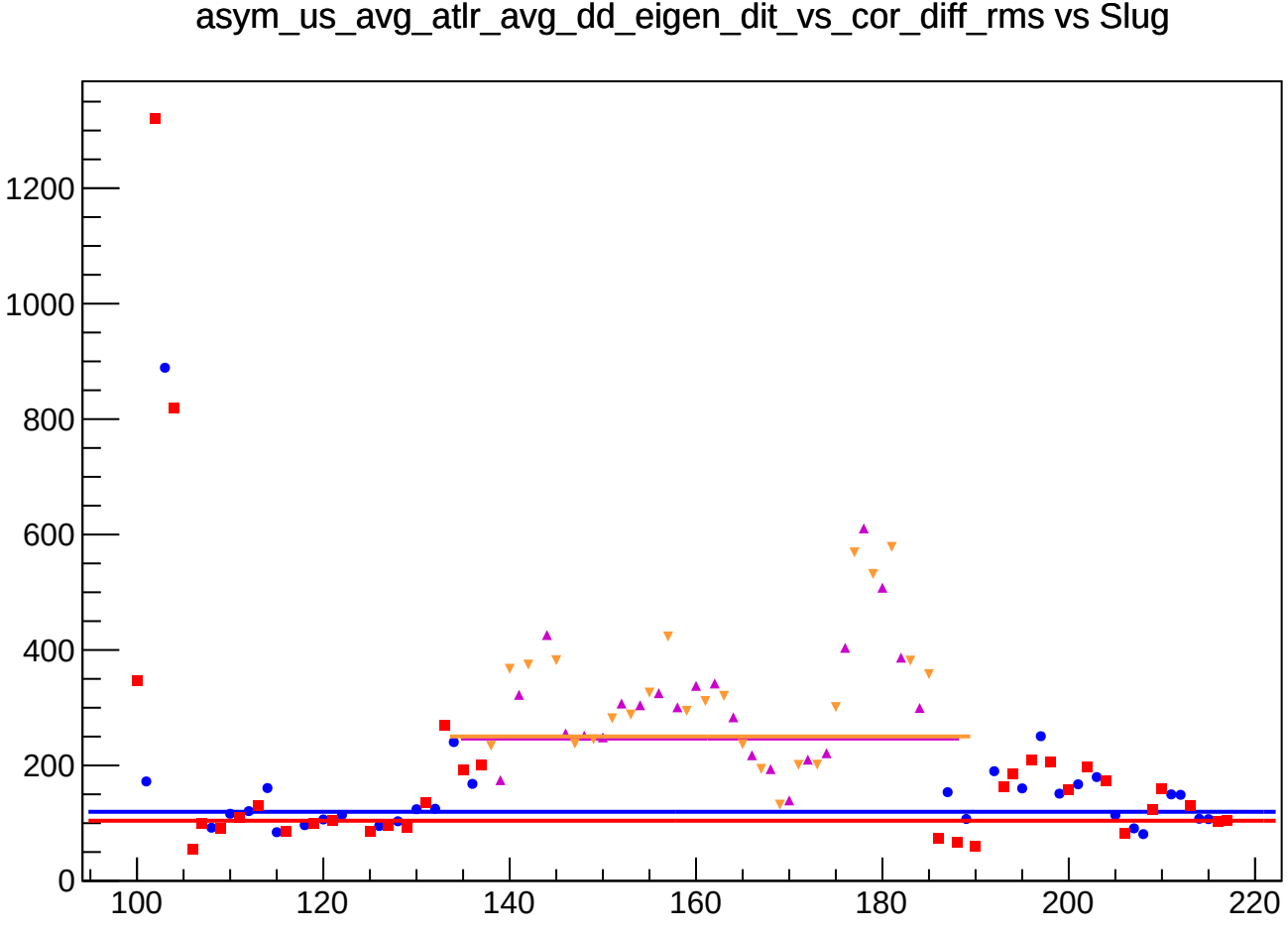
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 21954546.3/54

All: 0.004+/-0.000 χ^2/NDF: 44076238.9/111

- sign 0.004+/-0.000 χ^2/NDF: 22064527.9/56


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.020+/-0.030 χ²/NDF: 30.5/30
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.030+/-0.026 χ²/NDF: 42.4/33
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.018+/-0.027 χ²/NDF: 59.8/54
All: 0.017+/-0.018 χ²/NDF: 131.9/111
- sign 0.016+/-0.024 χ²/NDF: 72.1/56



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

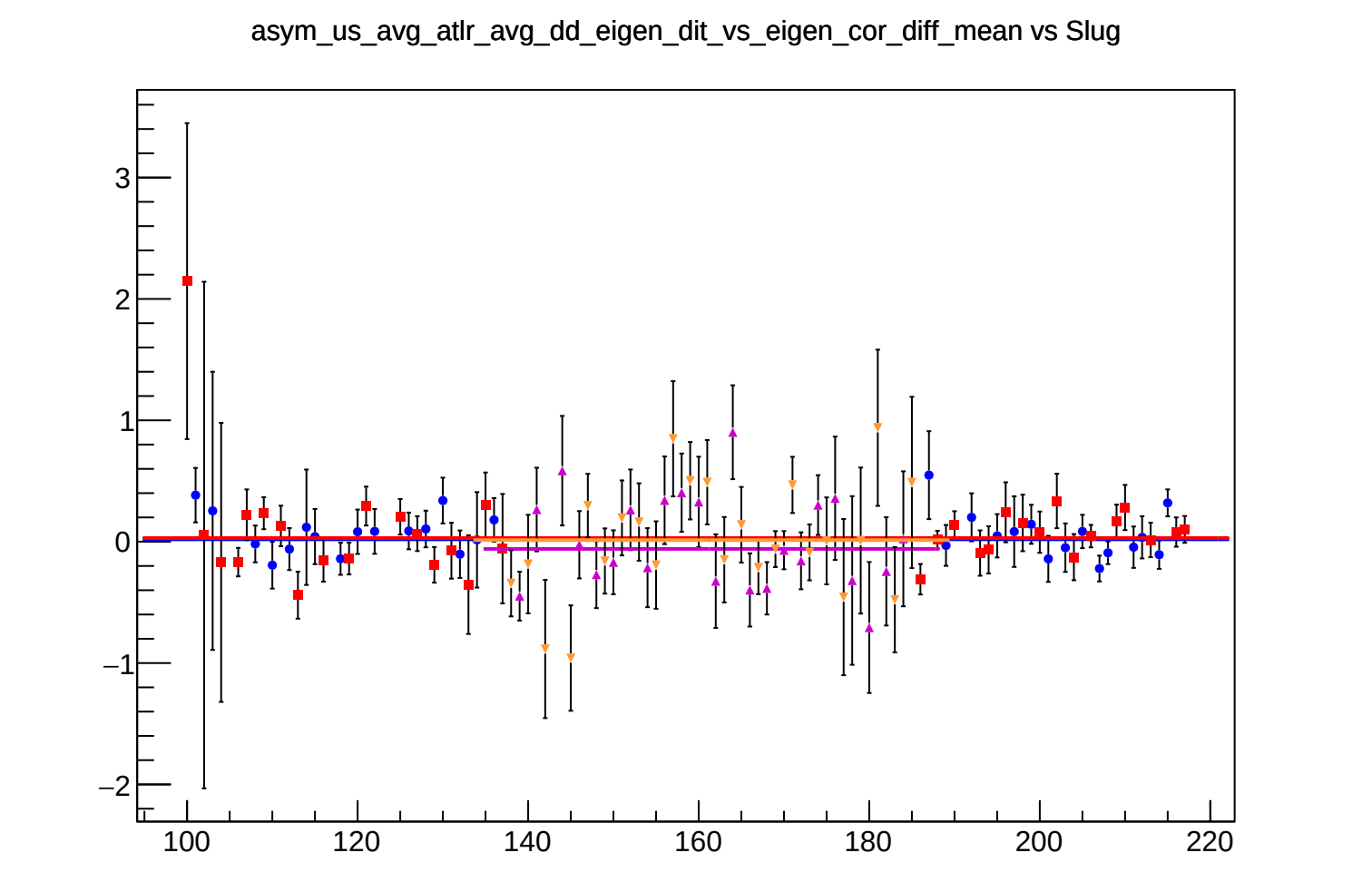
Right Out: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 143.599+/-0.019 χ^2/NDF: 14829053.4/54

All: 133.961+/-0.013 χ^2/NDF: 34116877.6/11

- sign 126.116+/-0.017 χ^2/NDF: 18823808.7/56



Right In: 0.020+/-0.030 χ^2/NDF: 30.5/30

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

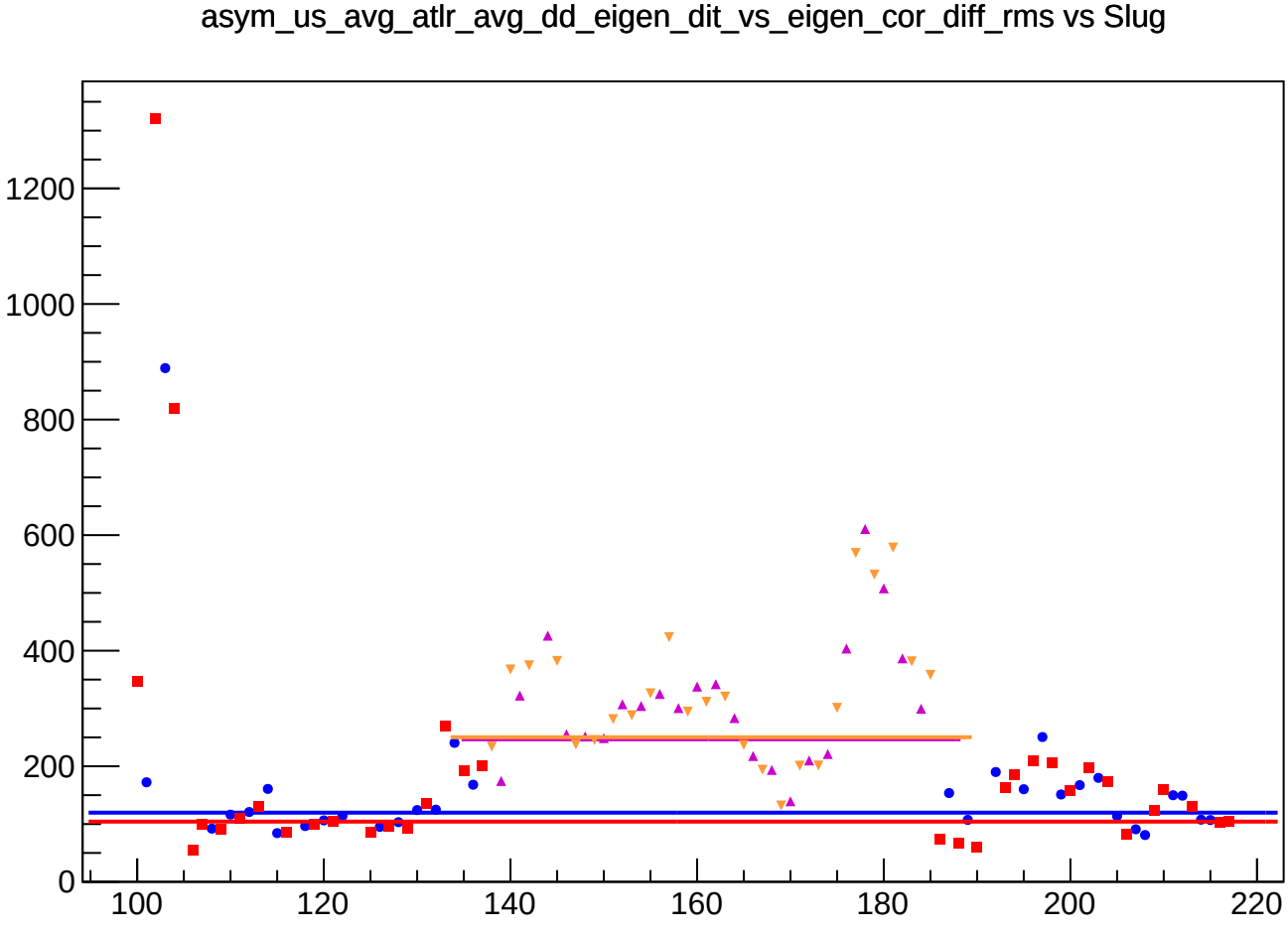
Right Out: 0.030+/-0.026 χ^2/NDF: 42.4/33

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.018+/-0.027 χ^2/NDF: 59.8/54

All: 0.017+/-0.018 χ^2/NDF: 131.9/111

- sign 0.016+/-0.024 χ^2/NDF: 72.1/56



Right In: 119.720+/-0.021 χ^2/NDF: 3462969.3/30

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

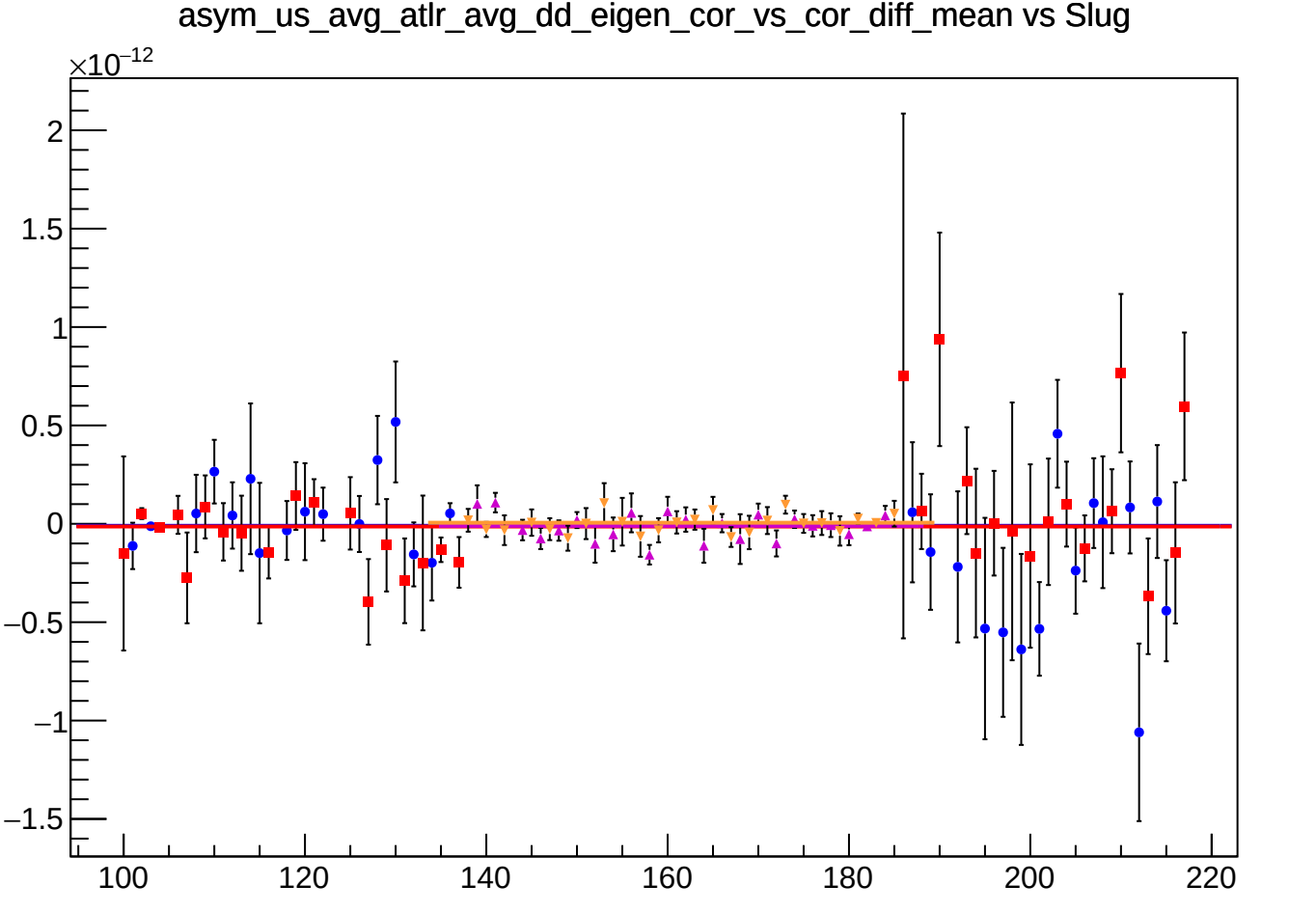
Right Out: 104.223+/-0.019 χ^2/NDF: 6124340.8/33

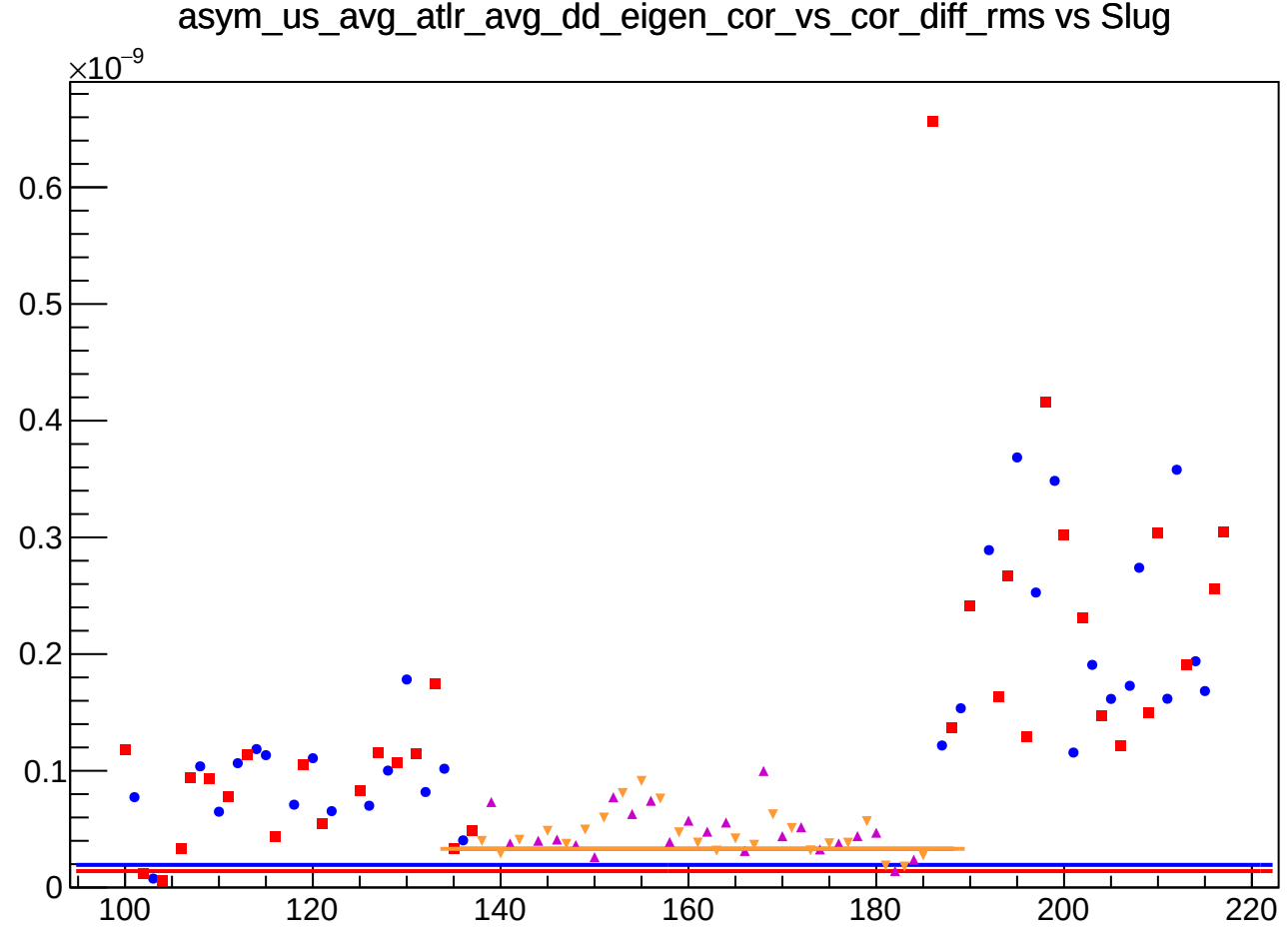
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 143.599+/-0.019 χ^2/NDF: 14829053.4/54

All: 133.961+/-0.013 χ^2/NDF: 34116877.6/11

- sign 126.116+/-0.017 χ^2/NDF: 18823808.7/56


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 35.5/30
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.3/33
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 50.2/54
All: -0.000+/-0.000 χ²/NDF: 114.5/111
- sign -0.000+/-0.000 χ²/NDF: 63.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 17293587.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18061435.8/33

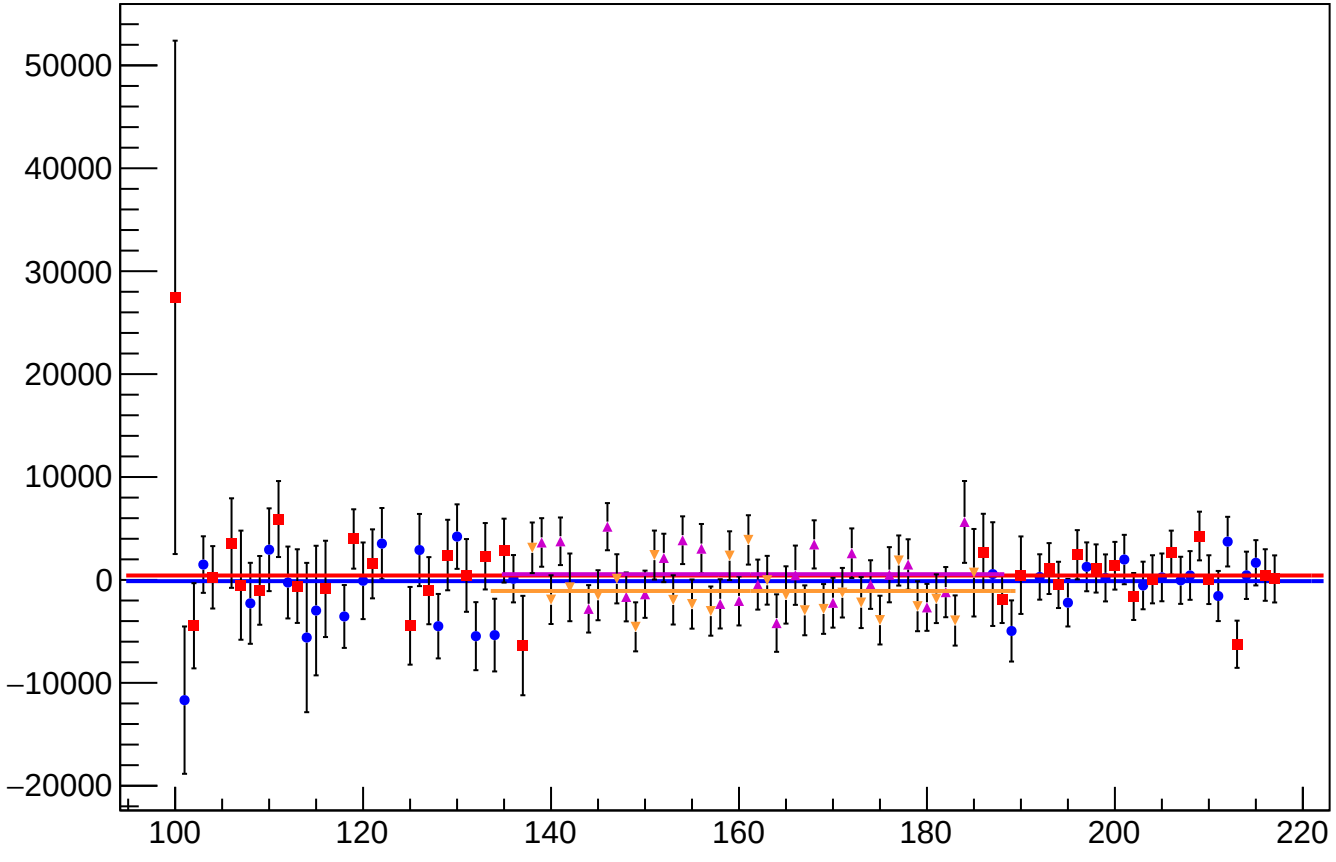
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 22773112.1/54

All: 0.000+/-0.000 χ^2/NDF: 49759705.1/111

- sign 0.000+/-0.000 χ^2/NDF: 26652400.6/56

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -117.313+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 430.793+/-497.069 χ^2/NDF: 28.1/33

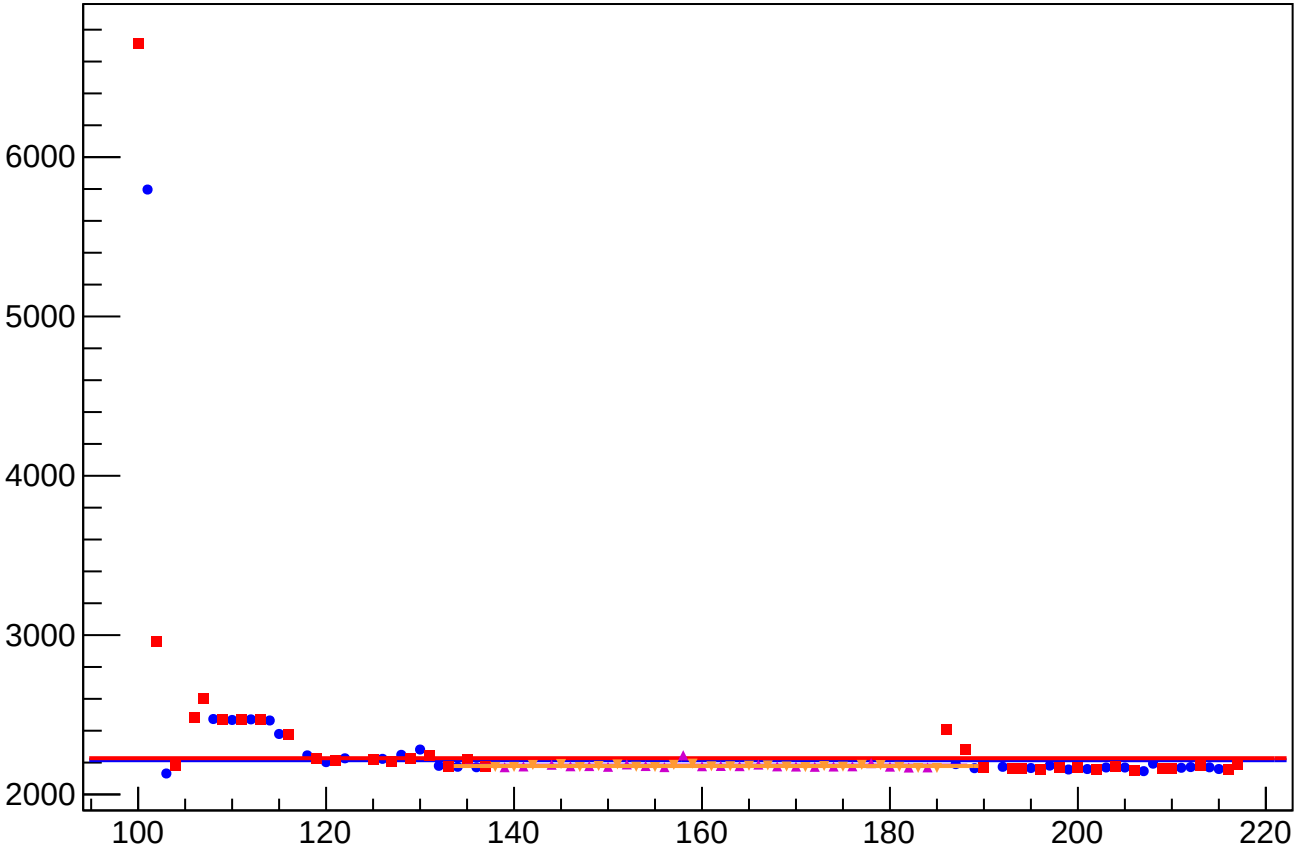
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -597.126+/-358.229 χ^2/NDF: 48.1/54

All: -48.497+/-252.405 χ^2/NDF: 109.6/111

- sign 492.400+/-355.695 χ^2/NDF: 56.8/56

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.3/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

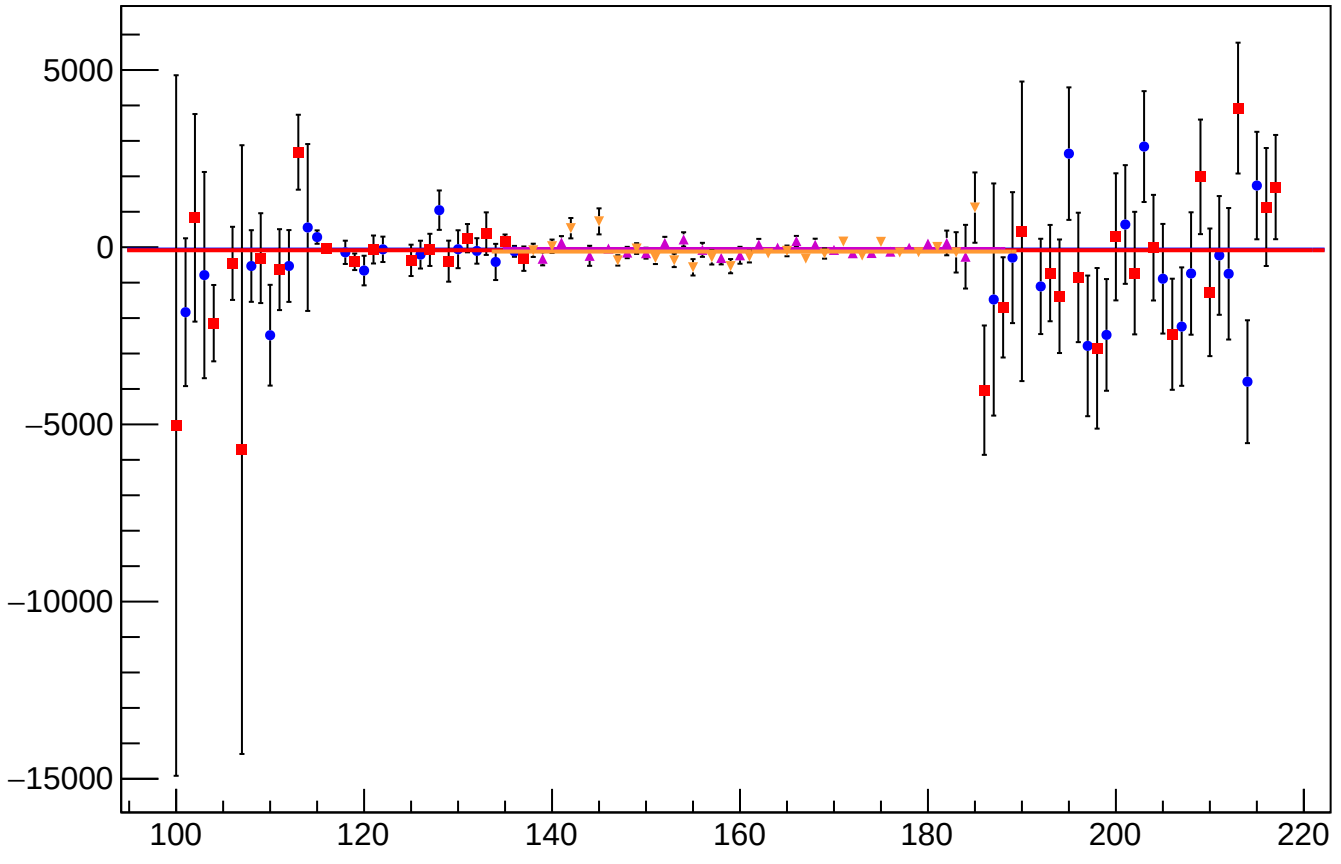
Right Out: 2227.427+/-0.351 χ^2/NDF: 200423.5/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.477+/-0.253 χ^2/NDF: 553840.0/54

All: 2200.635+/-0.178 χ^2/NDF: 765208.0/111

- sign 2204.734+/-0.252 χ^2/NDF: 210833.0/56



Right In: -66.766+/-89.031 χ^2/NDF: 33.5/30

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -86.048+/-80.863 χ^2/NDF: 37.5/33

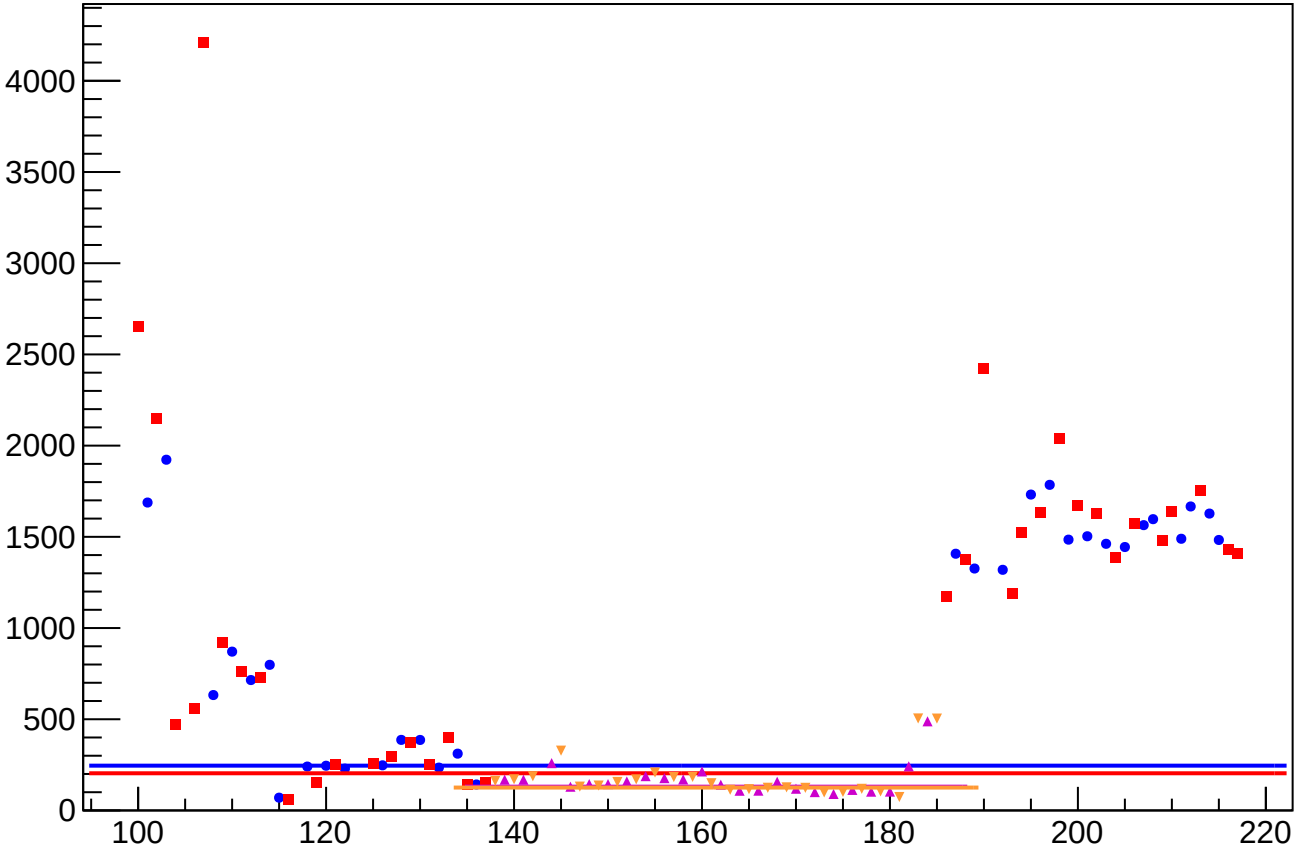
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -116.783+/-29.619 χ^2/NDF: 77.6/54

All: -86.629+/-21.143 χ^2/NDF: 135.6/111

- sign -55.298+/-30.191 χ^2/NDF: 55.9/56

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 245.595+/-0.063 χ^2/NDF: 22575763.6/30

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 203.824+/-0.057 χ^2/NDF: 26131161.5/33

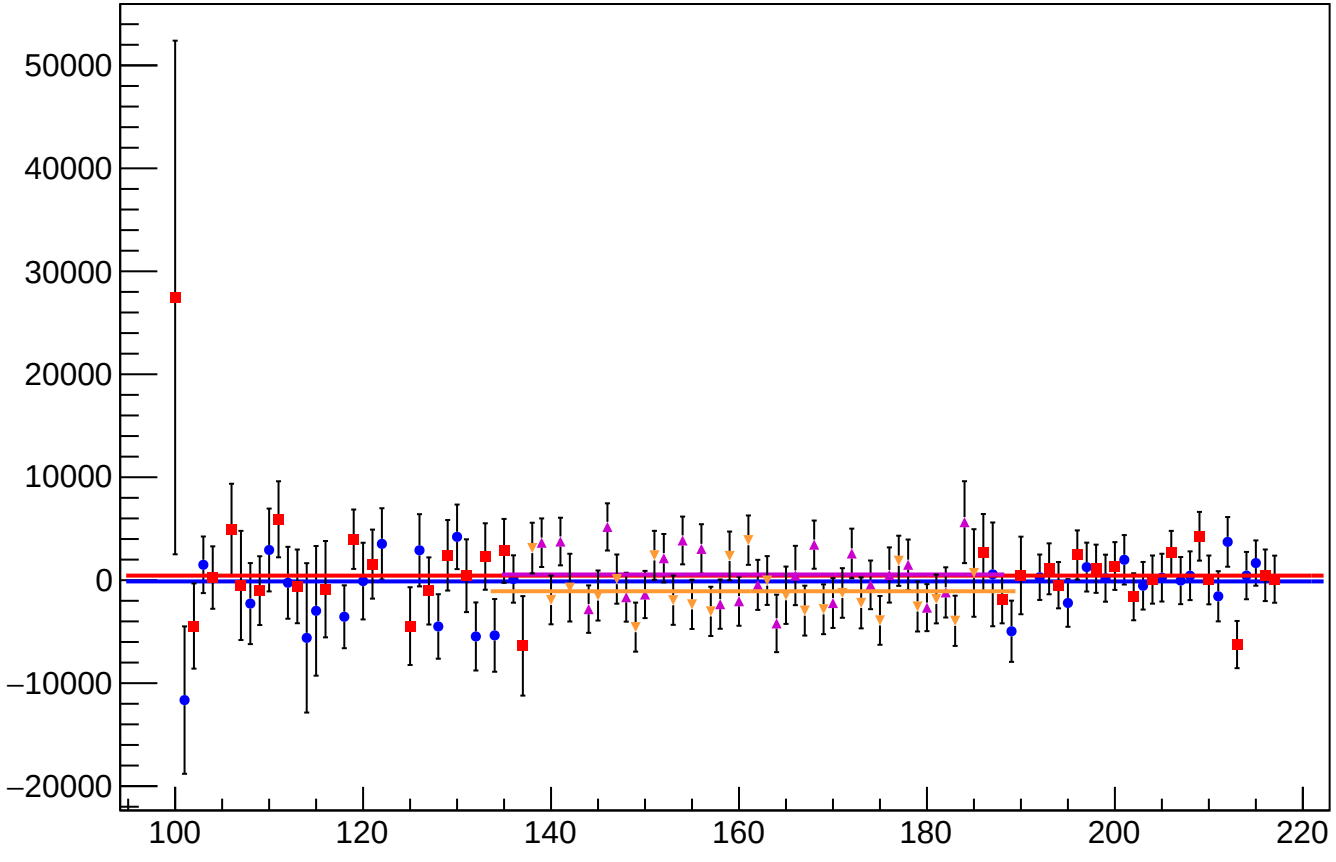
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 138.797+/-0.021 χ^2/NDF: 29754559.2/54

All: 139.714+/-0.015 χ^2/NDF: 59987000.7/11

- sign 140.667+/-0.021 χ^2/NDF: 30228535.4/56

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -116.921+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 446.056+/-497.203 χ^2/NDF: 28.6/33

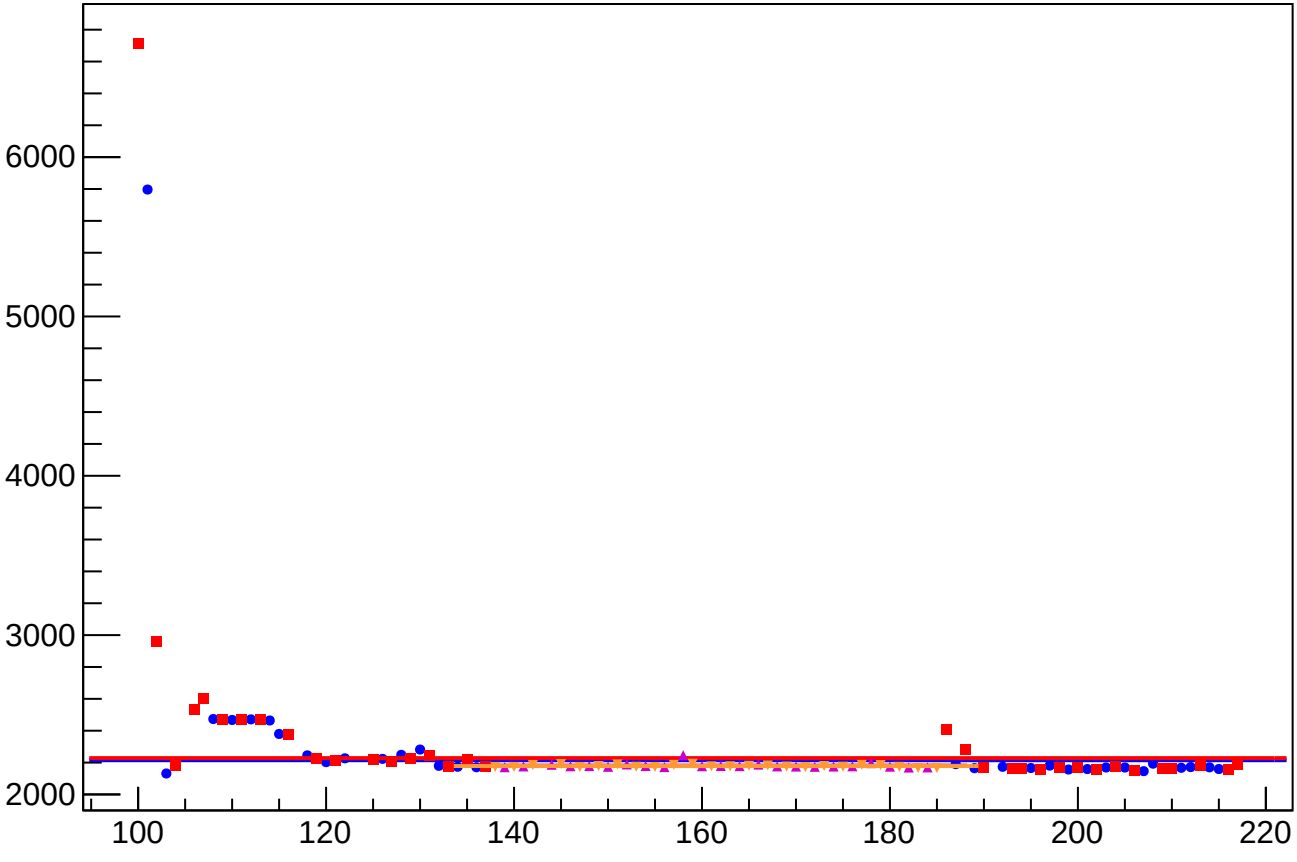
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -596.897+/-358.229 χ^2/NDF: 48.1/54

All: -44.509+/-252.423 χ^2/NDF: 110.1/111

- sign 500.244+/-355.744 χ^2/NDF: 57.3/56

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.6/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

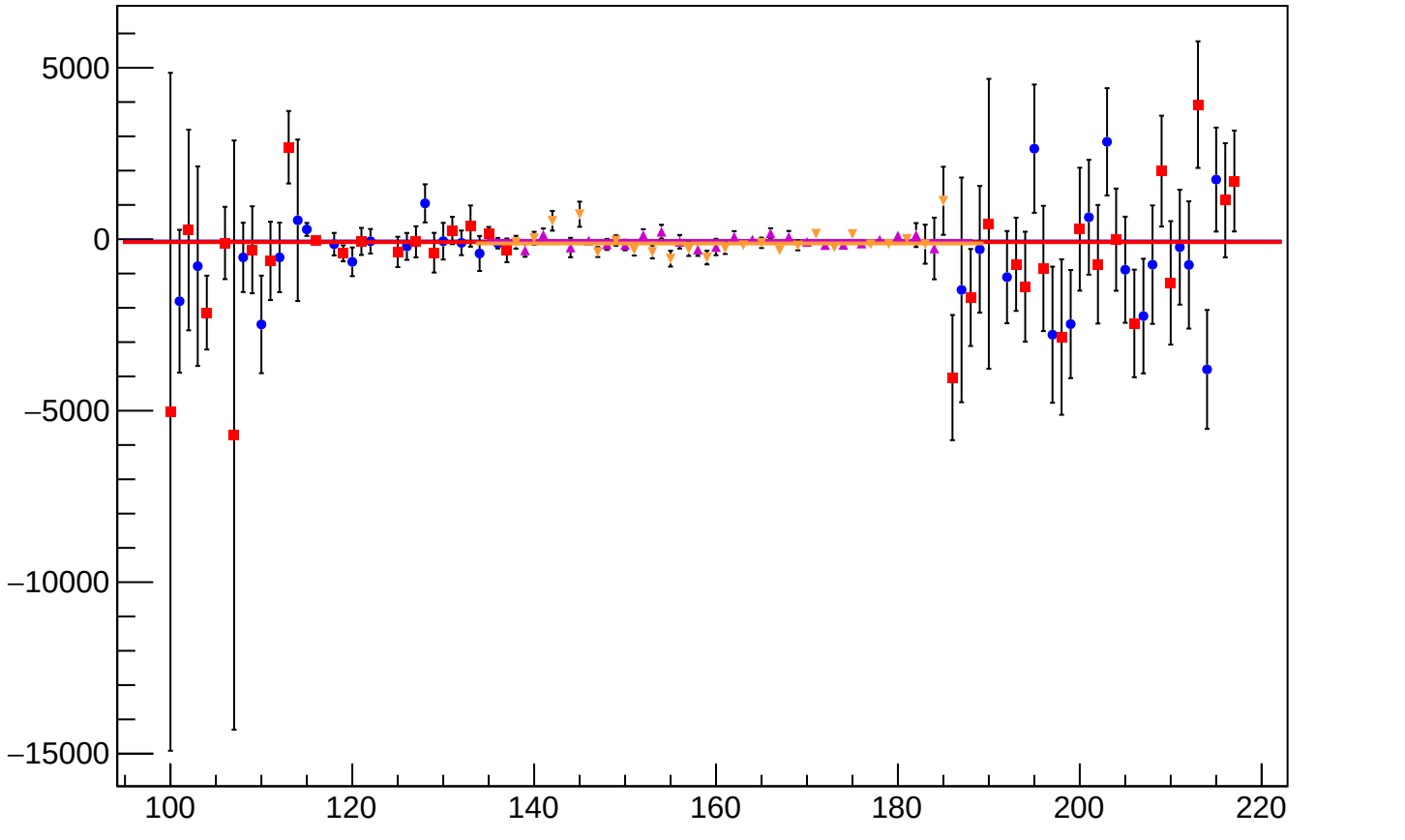
Right Out: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.477+/-0.253 χ^2/NDF: 553840.3/54

All: 2200.759+/-0.178 χ^2/NDF: 768025.4/111

- sign 2204.982+/-0.252 χ^2/NDF: 213617.6/56



Right In: -66.803+/-89.036 χ^2/NDF: 33.5/30

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

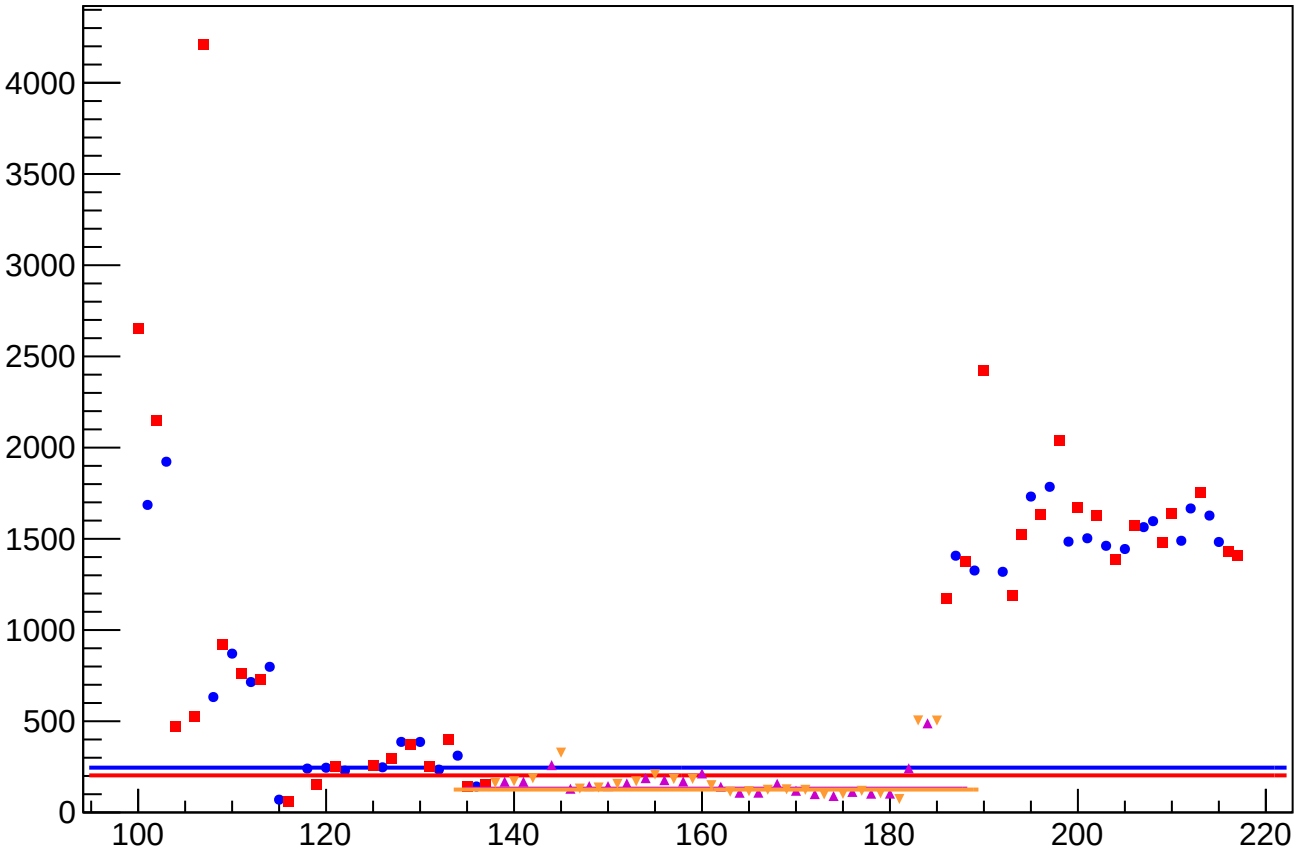
Right Out: -84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.717+/-29.619 χ^2/NDF: 77.6/54

All: -86.419+/-21.143 χ^2/NDF: 135.4/111

- sign -54.941+/-30.191 χ^2/NDF: 55.7/56



Right In: 245.625+/-0.063 χ^2/NDF: 22573942.4/30

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

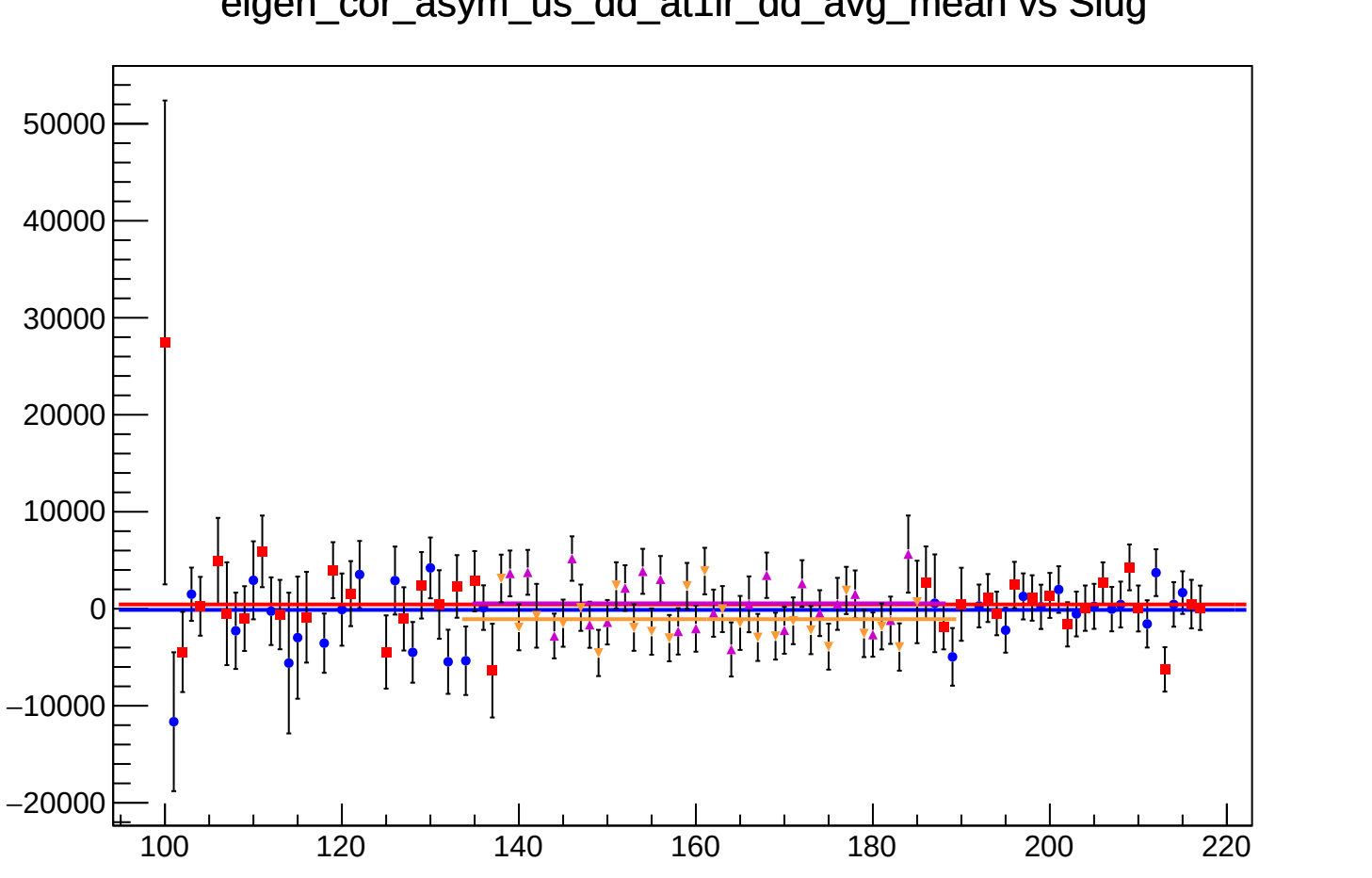
Right Out: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 138.796+/-0.021 χ^2/NDF: 29755024.3/54

All: 139.685+/-0.015 χ^2/NDF: 5993622 3.0/11

- sign 140.609+/-0.021 χ^2/NDF: 30177523.0/56



Right In: -116.921+/-507.696 χ^2/NDF: 24.8/30

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 446.056+/-497.203 χ^2/NDF: 28.6/33

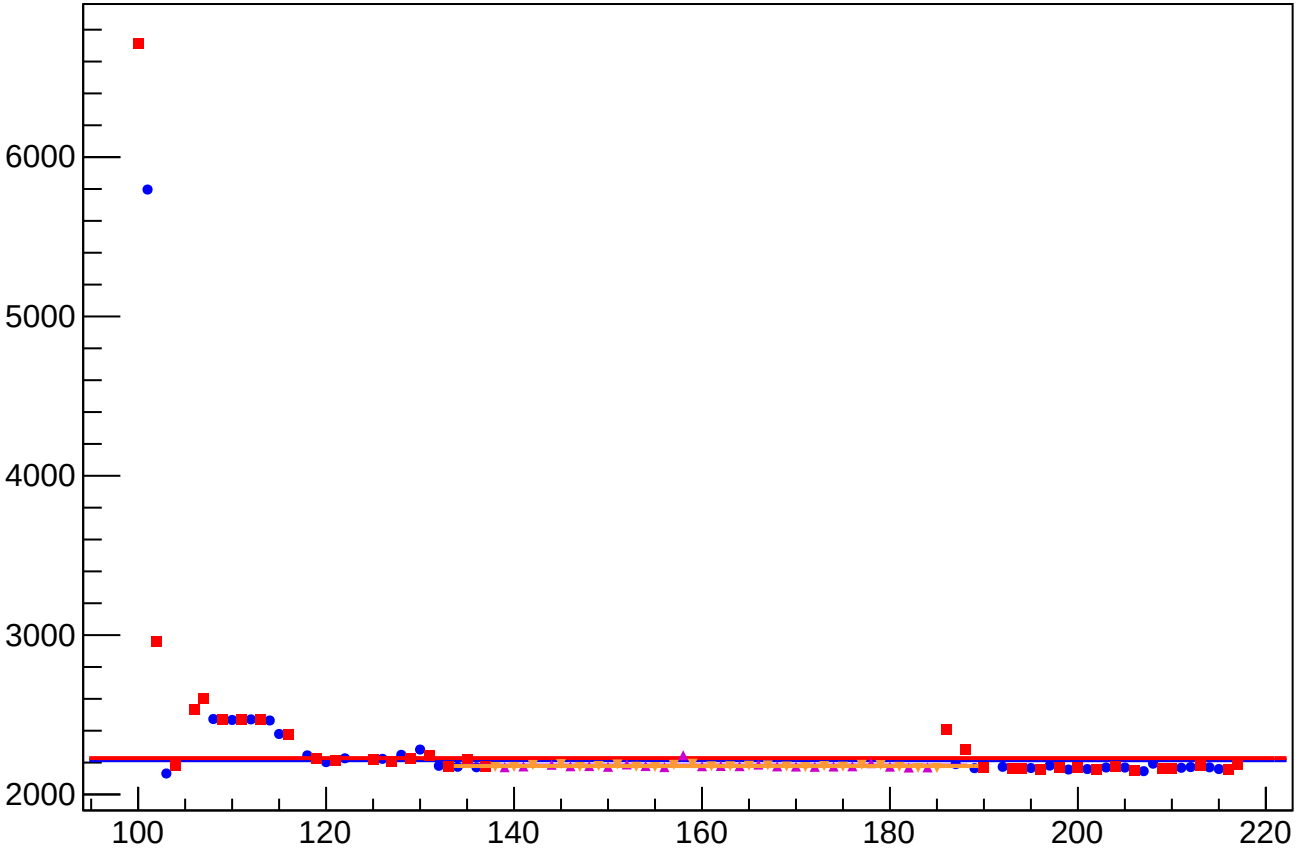
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -596.897+/-358.229 χ^2/NDF: 48.1/54

All: -44.509+/-252.423 χ^2/NDF: 110.1/111

- sign 500.244+/-355.744 χ^2/NDF: 57.3/56

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2214.866+/-0.359 χ^2/NDF: 548225.6/30

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

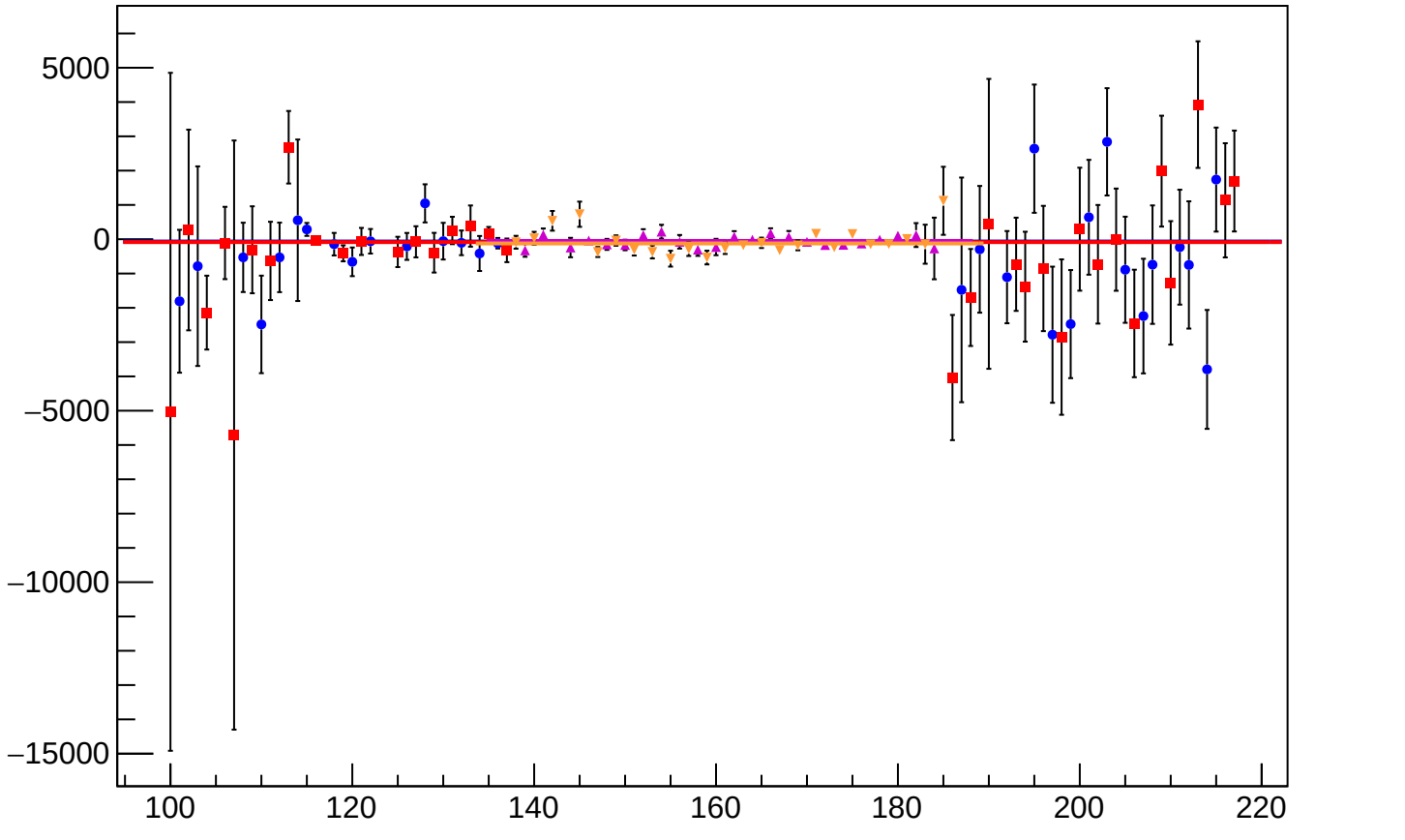
Right Out: 2227.923+/-0.352 χ^2/NDF: 203027.3/33

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2196.477+/-0.253 χ^2/NDF: 553840.3/54

All: 2200.759+/-0.178 χ^2/NDF: 768025.4/111

- sign 2204.982+/-0.252 χ^2/NDF: 213617.6/56



Right In: -66.803+/-89.036 χ^2/NDF: 33.5/30

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

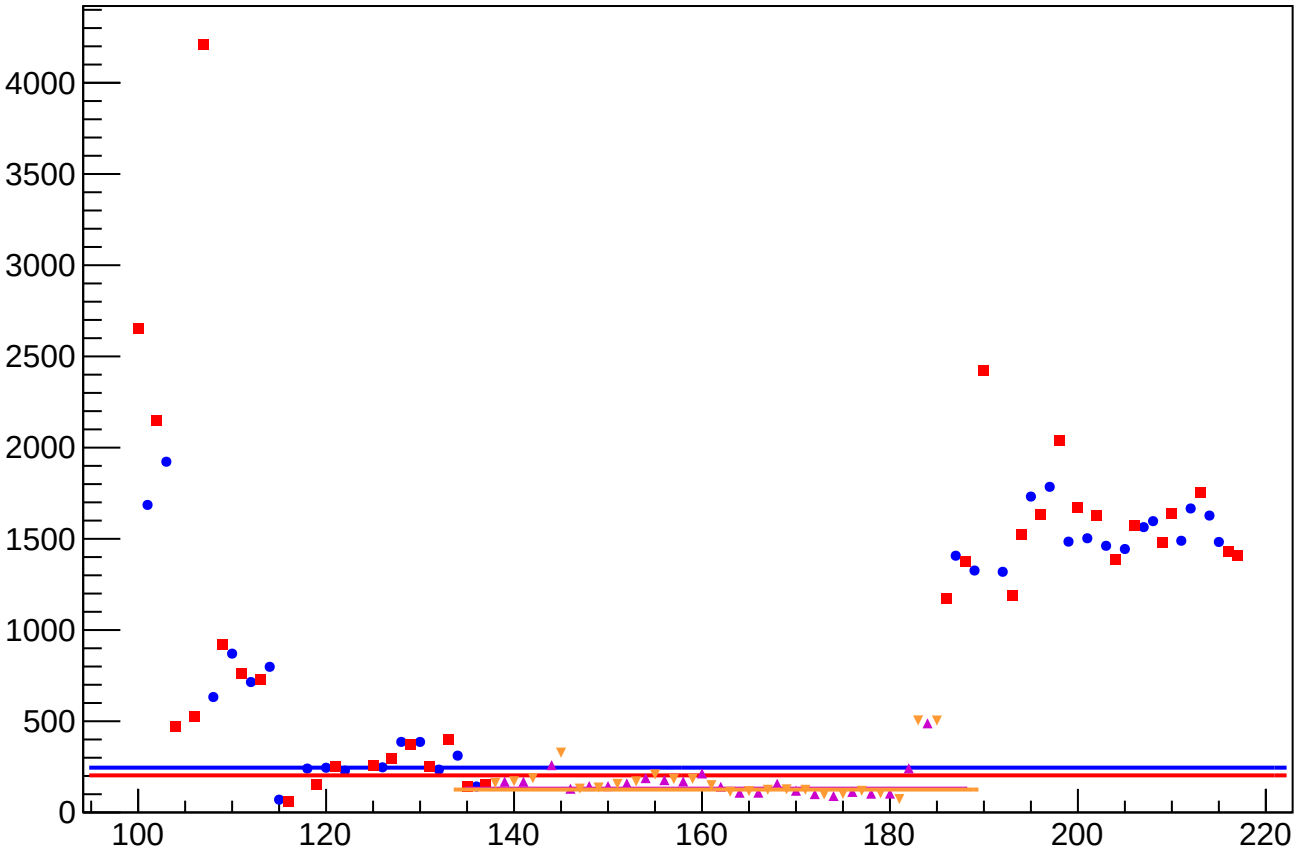
Right Out: -84.104+/-80.805 χ^2/NDF: 37.3/33

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -116.717+/-29.619 χ^2/NDF: 77.6/54

All: -86.419+/-21.143 χ^2/NDF: 135.4/111

- sign -54.941+/-30.191 χ^2/NDF: 55.7/56



Right In: 245.625+/-0.063 χ^2/NDF: 22573942.4/30

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 203.218+/-0.057 χ^2/NDF: 26102664.7/33

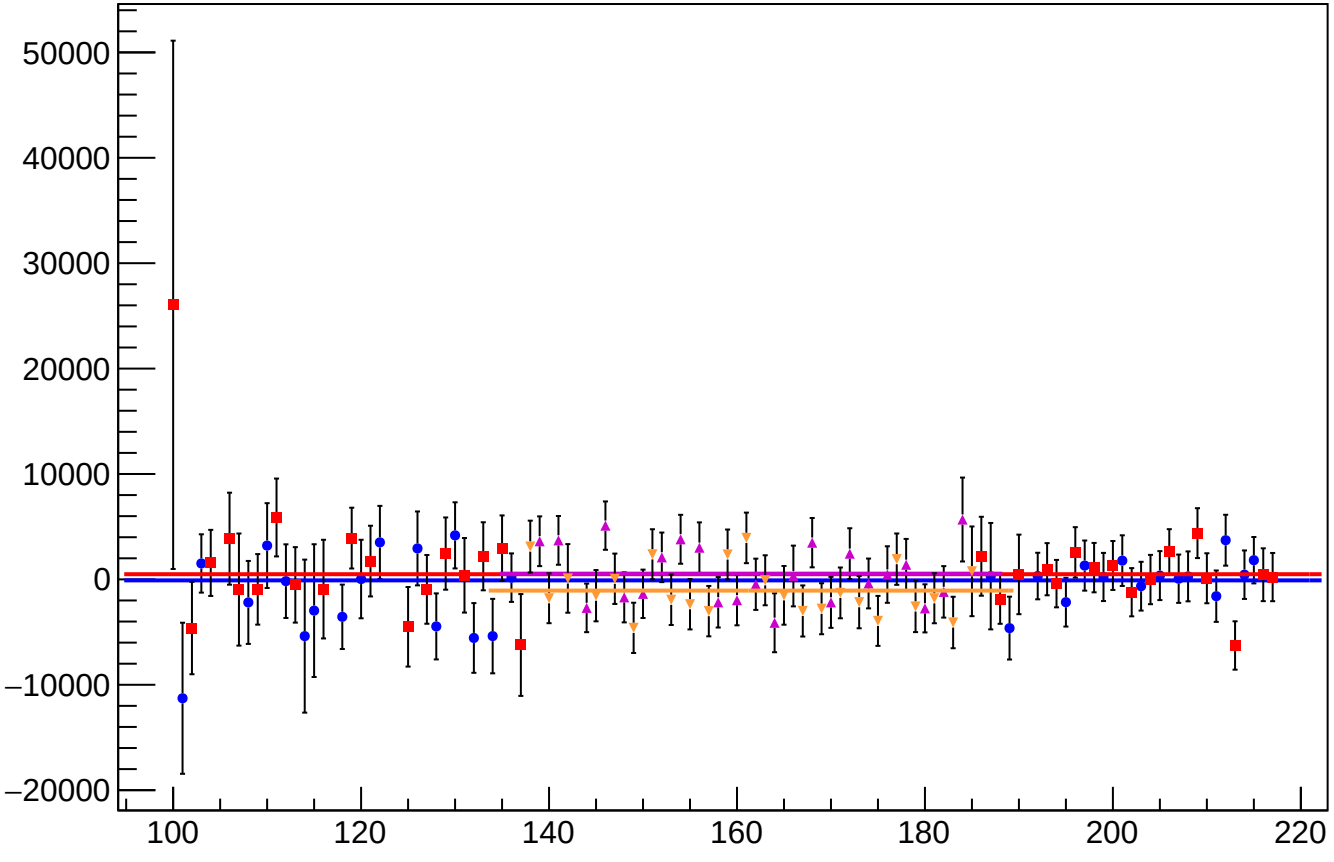
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 138.796+/-0.021 χ^2/NDF: 29755024.3/54

All: 139.685+/-0.015 χ^2/NDF: 59936223.0/11

- sign 140.609+/-0.021 χ^2/NDF: 30177523.0/56

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -93.872+/-508.228 χ^2/NDF: 24.3/30

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 491.057+/-498.414 χ^2/NDF: 27.7/33

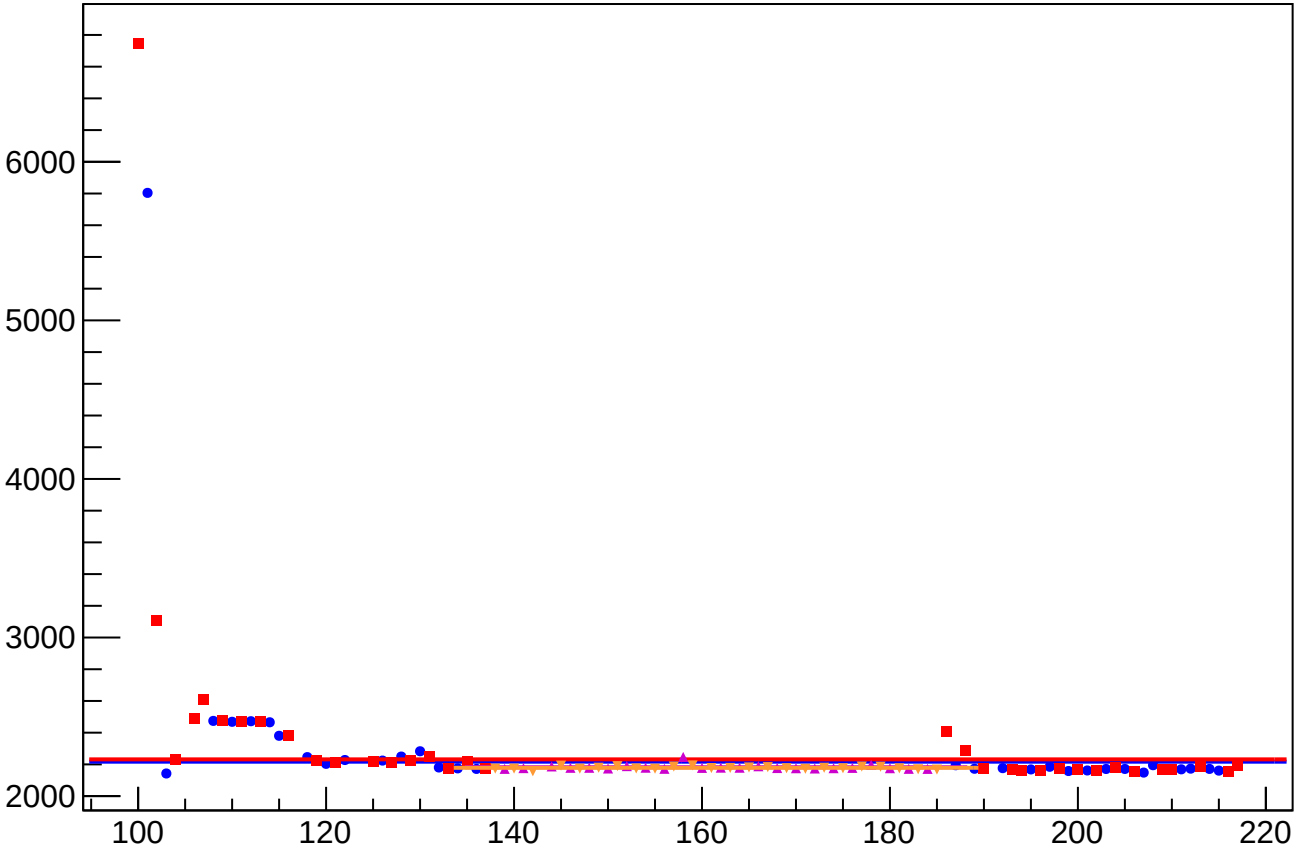
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -580.607+/-358.448 χ^2/NDF: 48.0/54

All: -28.410+/-252.685 χ^2/NDF: 108.3/111

- sign 517.077+/-356.264 χ^2/NDF: 55.6/56

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2217.105+/-0.359 χ^2/NDF: 547674.9/30

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

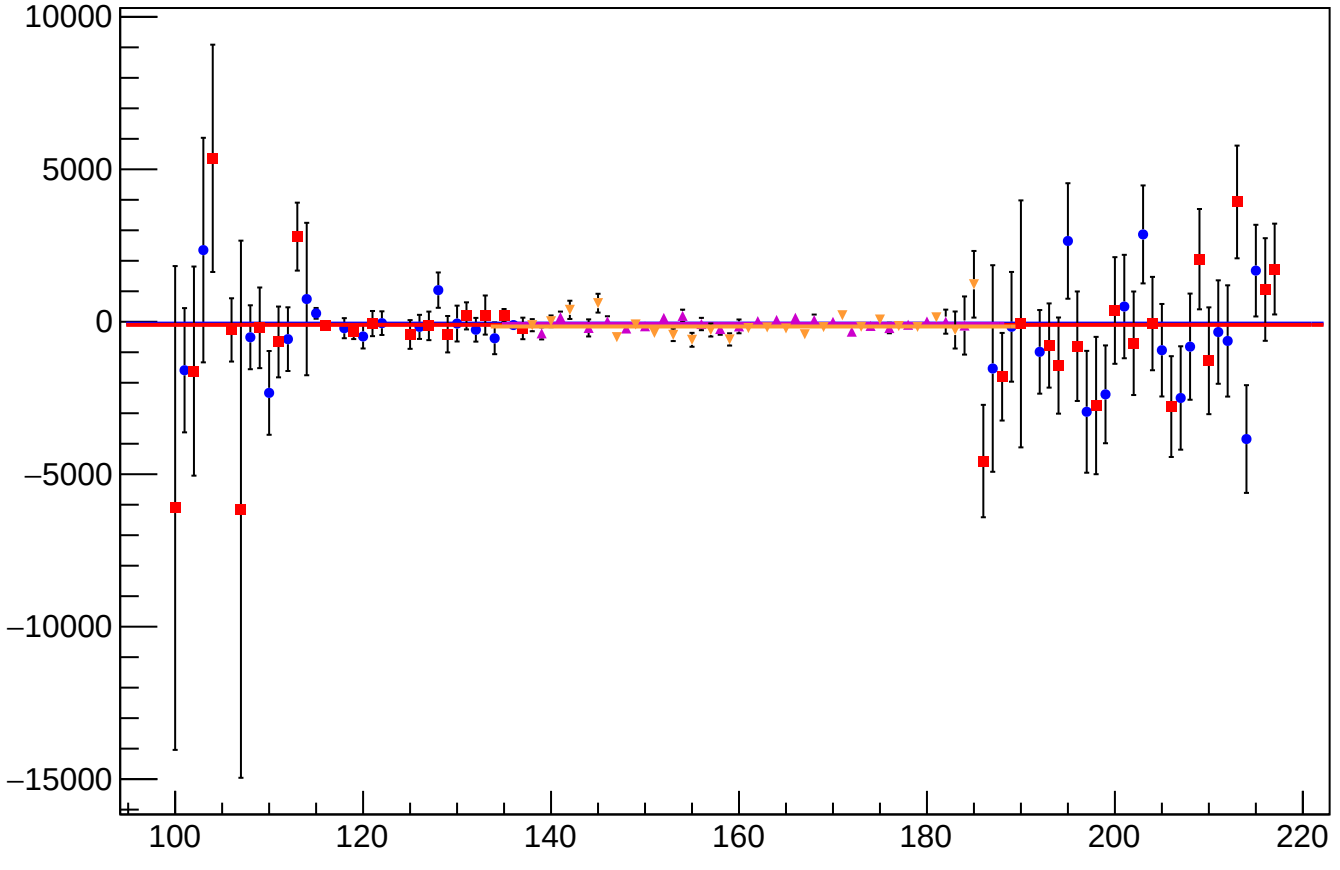
Right Out: 2231.641+/-0.352 χ^2/NDF: 218984.4/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2197.705+/-0.253 χ^2/NDF: 553929.5/54

All: 2202.535+/-0.179 χ^2/NDF: 785223.0/111

- sign 2207.306+/-0.252 χ^2/NDF: 230571.7/56



Right In: -60.462+/-90.459 χ^2/NDF: 33.0/30

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

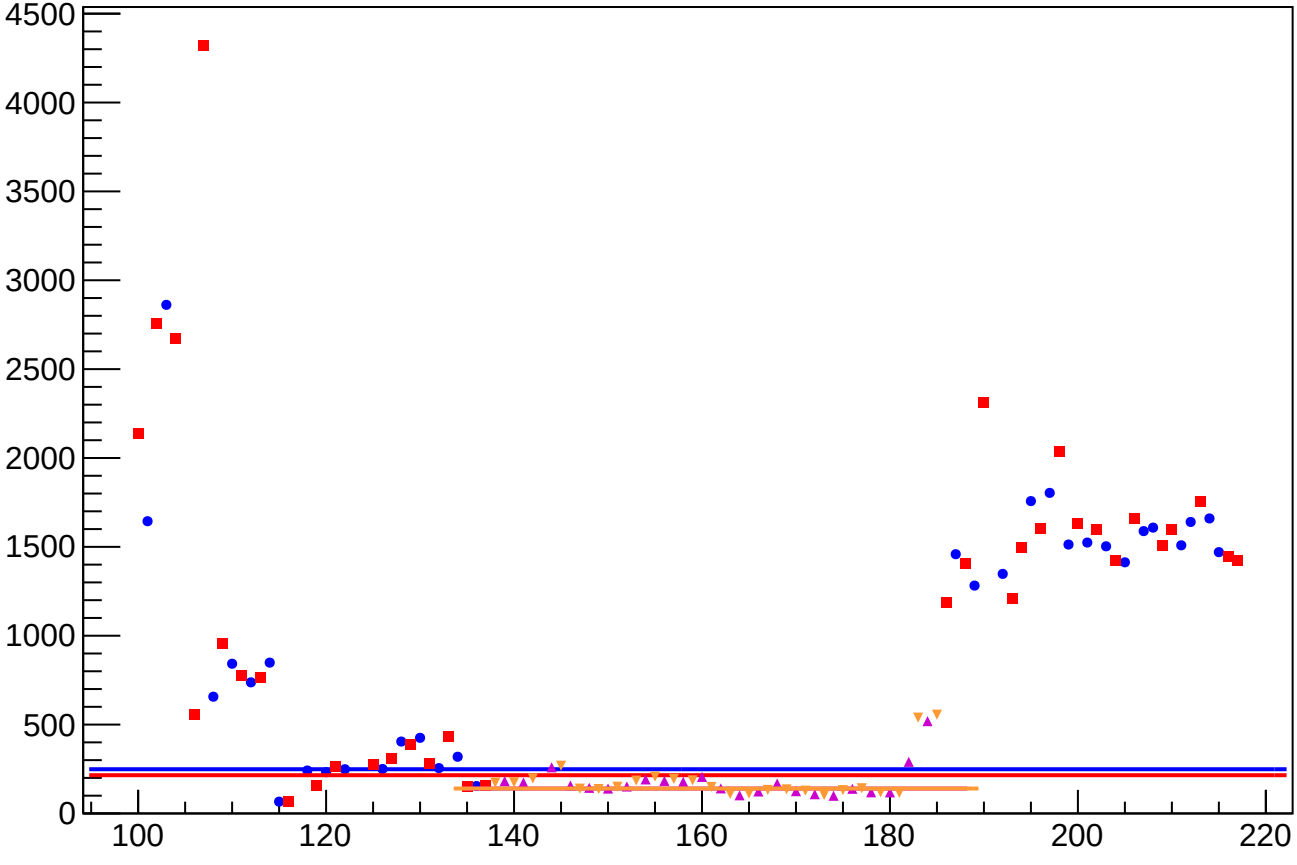
Right Out: -100.914+/-84.376 χ^2/NDF: 36.5/33

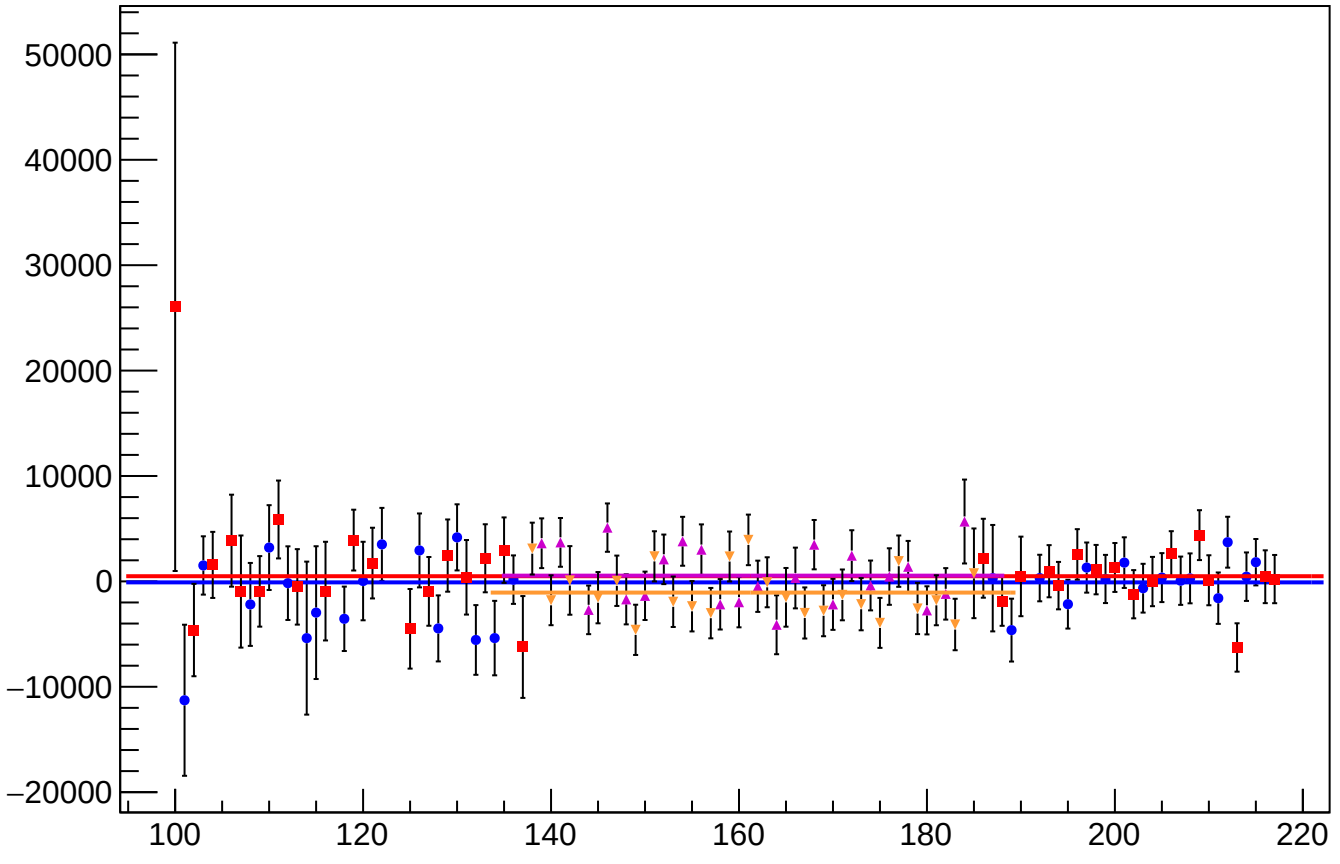
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -143.020+/-31.876 χ^2/NDF: 81.3/54

All: -108.562+/-22.477 χ^2/NDF: 139.2/111

- sign -74.485+/-31.699 χ^2/NDF: 55.5/56


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
220
Right In: 248.826+/-0.064 χ²/NDF: 23118857.7/30
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 215.186+/-0.060 χ²/NDF: 26820232.8/33
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 153.792+/-0.023 χ²/NDF: 28399500.5/54
All: 152.184+/-0.016 χ²/NDF: 59007014.3/11
- sign 150.593+/-0.022 χ²/NDF: 30597387.3/56



Right In: -93.874+/-508.228 χ^2/NDF: 24.3/30

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 491.058+/-498.414 χ^2/NDF: 27.7/33

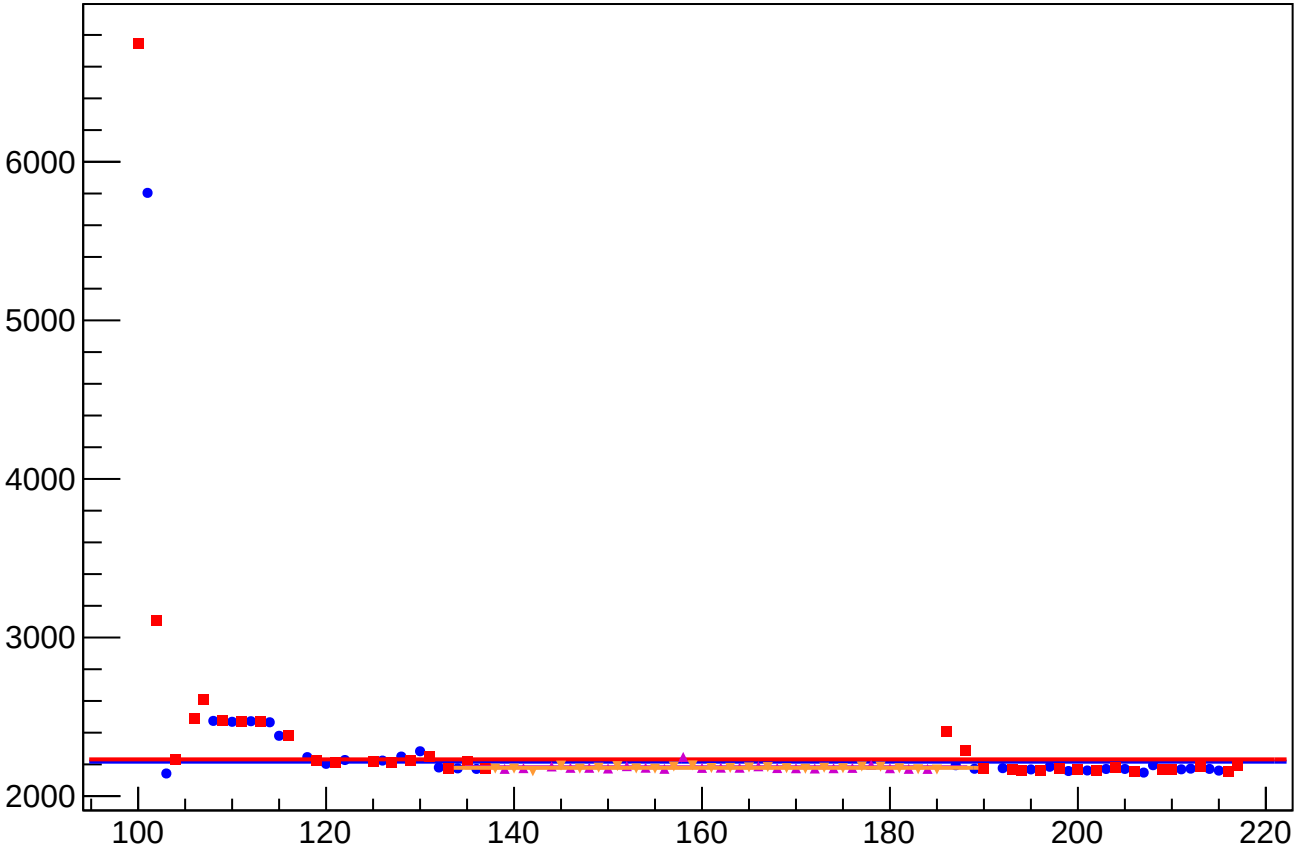
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -580.609+/-358.448 χ^2/NDF: 48.0/54

All: -28.411+/-252.685 χ^2/NDF: 108.3/111

- sign 517.077+/-356.264 χ^2/NDF: 55.6/56

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2217.105+/-0.359 χ^2/NDF: 547674.9/30

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

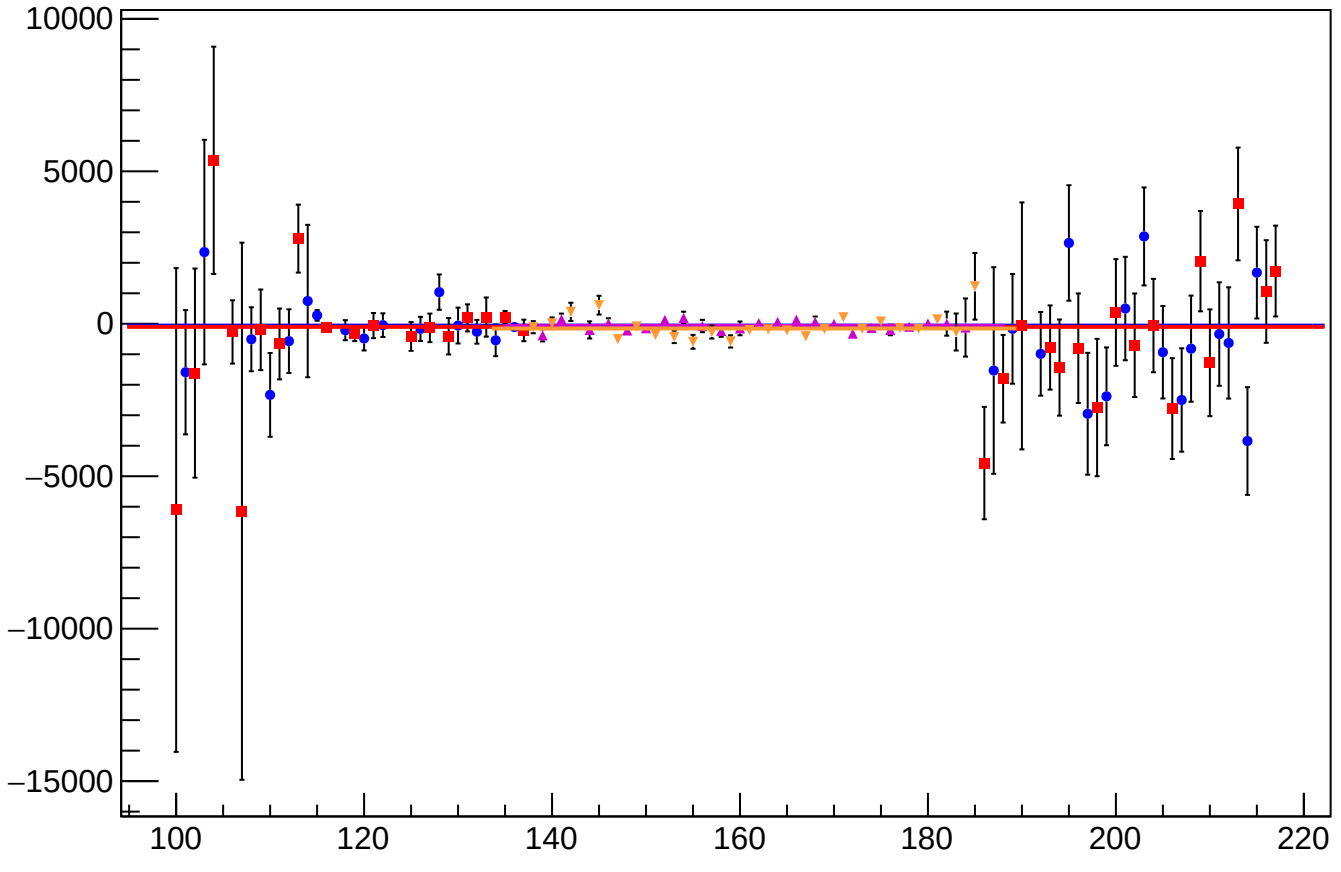
Right Out: 2231.641+/-0.352 χ^2/NDF: 218984.3/33

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2197.705+/-0.253 χ^2/NDF: 553929.5/54

All: 2202.535+/-0.179 χ^2/NDF: 785222.9/111

- sign 2207.306+/-0.252 χ^2/NDF: 230571.6/56



Right In: -60.459+/-90.458 χ^2/NDF: 33.0/30

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

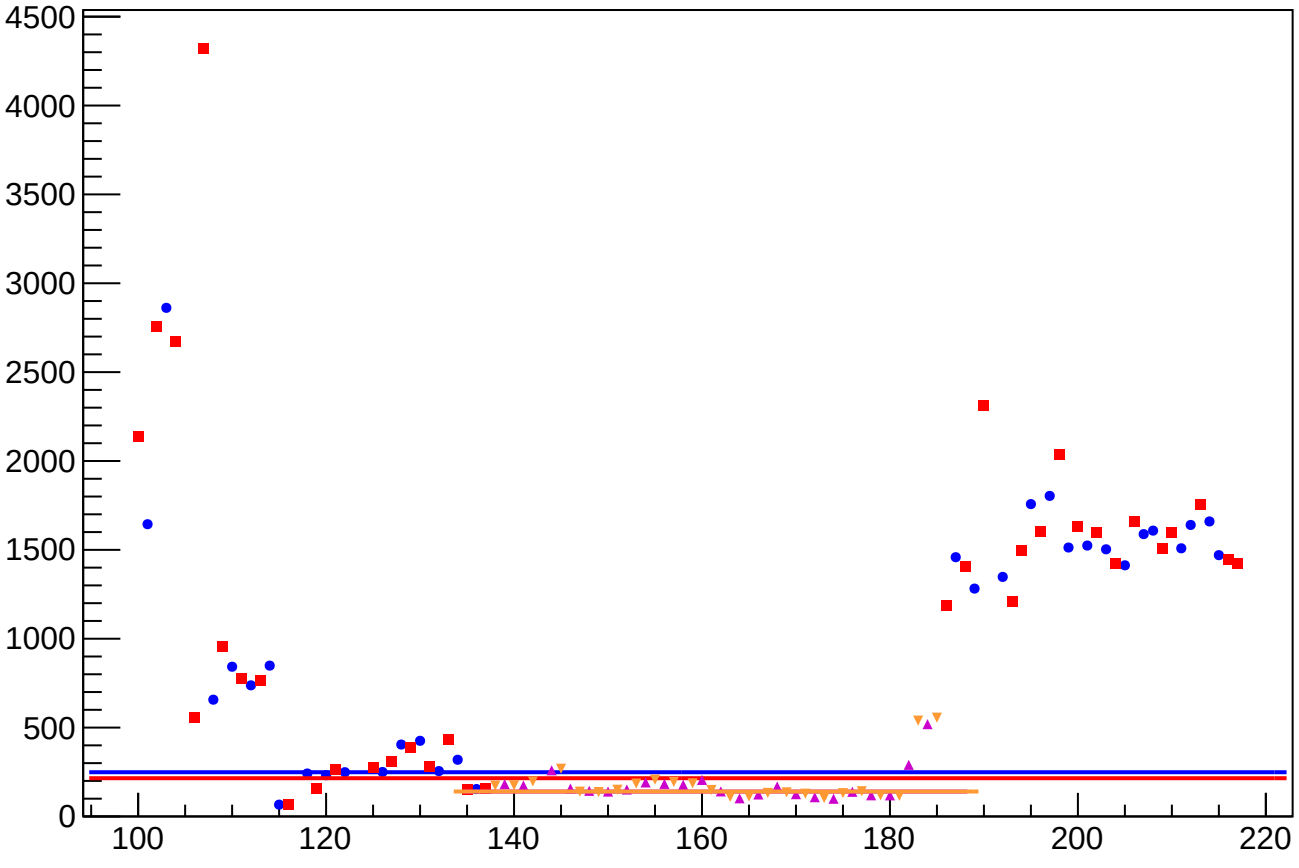
Right Out: -100.915+/-84.375 χ^2/NDF: 36.5/33

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

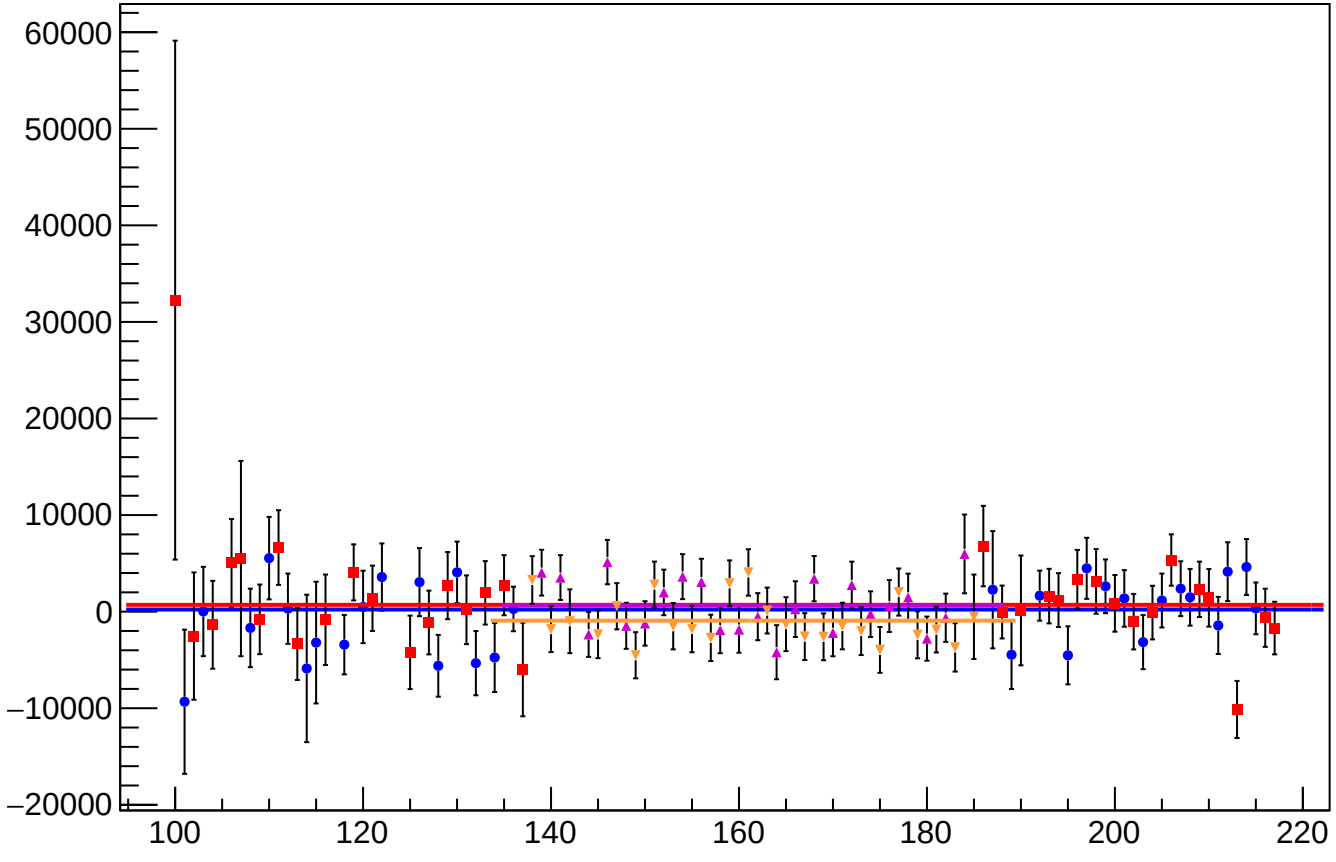
+ sign -143.021+/-31.876 χ^2/NDF: 81.3/54

All: -108.562+/-22.477 χ^2/NDF: 139.2/111

- sign -74.484+/-31.699 χ^2/NDF: 55.5/56


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 248.823+/-0.064 χ²/NDF: 23118979.1/30
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 215.183+/-0.060 χ²/NDF: 26820378.7/33
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 153.792+/-0.023 χ²/NDF: 28399486.6/54
All: 152.184+/-0.016 χ²/NDF: 59007100.0/11
- sign 150.593+/-0.022 χ²/NDF: 30597485.0/56

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 221.754+/-589.361 χ^2/NDF: 30.8/30

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 705.150+/-583.711 χ^2/NDF: 34.9/33

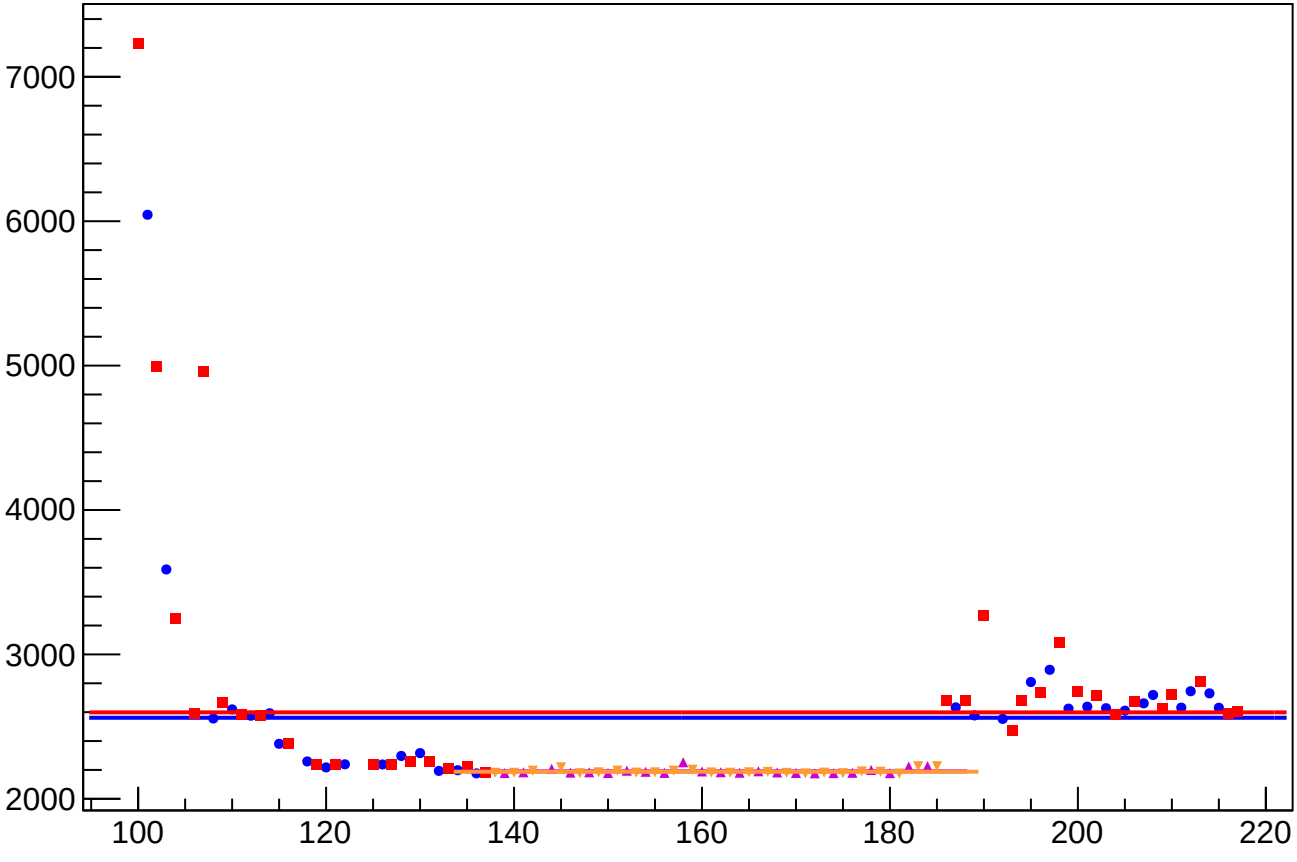
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -440.513+/-384.664 χ^2/NDF: 55.4/54

All: 114.703+/-271.991 χ^2/NDF: 121.5/111

- sign 669.859+/-384.642 χ^2/NDF: 61.9/56

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2561.259+/-0.417 χ^2/NDF: 797914.3/30

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

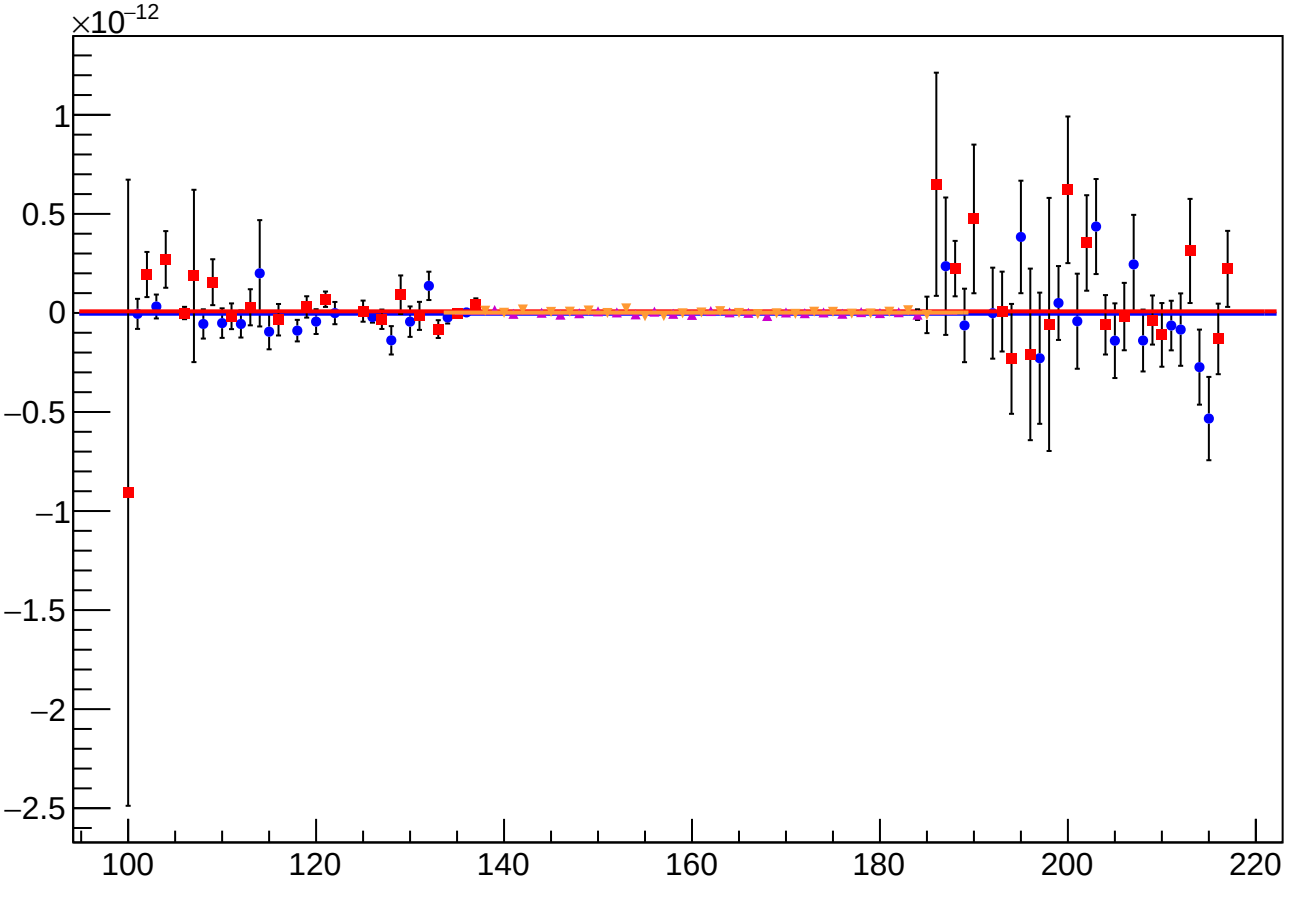
Right Out: 2598.551+/-0.413 χ^2/NDF: 789745.8/33

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2346.786+/-0.272 χ^2/NDF: 1260670.1/54

All: 2357.142+/-0.192 χ^2/NDF: 2609744.1/11

- sign 2367.497+/-0.272 χ^2/NDF: 1346174.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

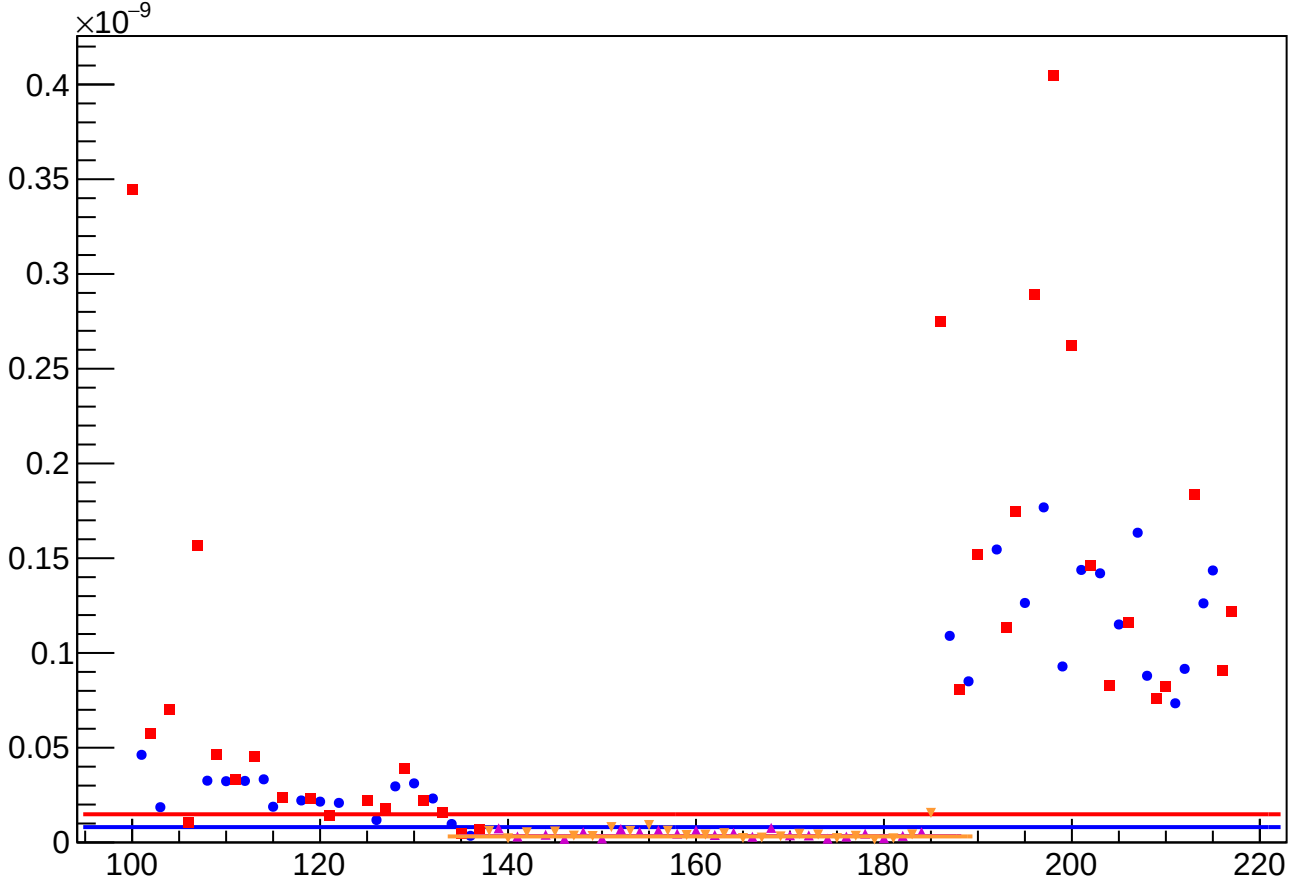
Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.3/54

All: 0.000+/-0.000 χ^2/NDF: 101.6/111

- sign 0.000+/-0.000 χ^2/NDF: 48.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 11346439.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

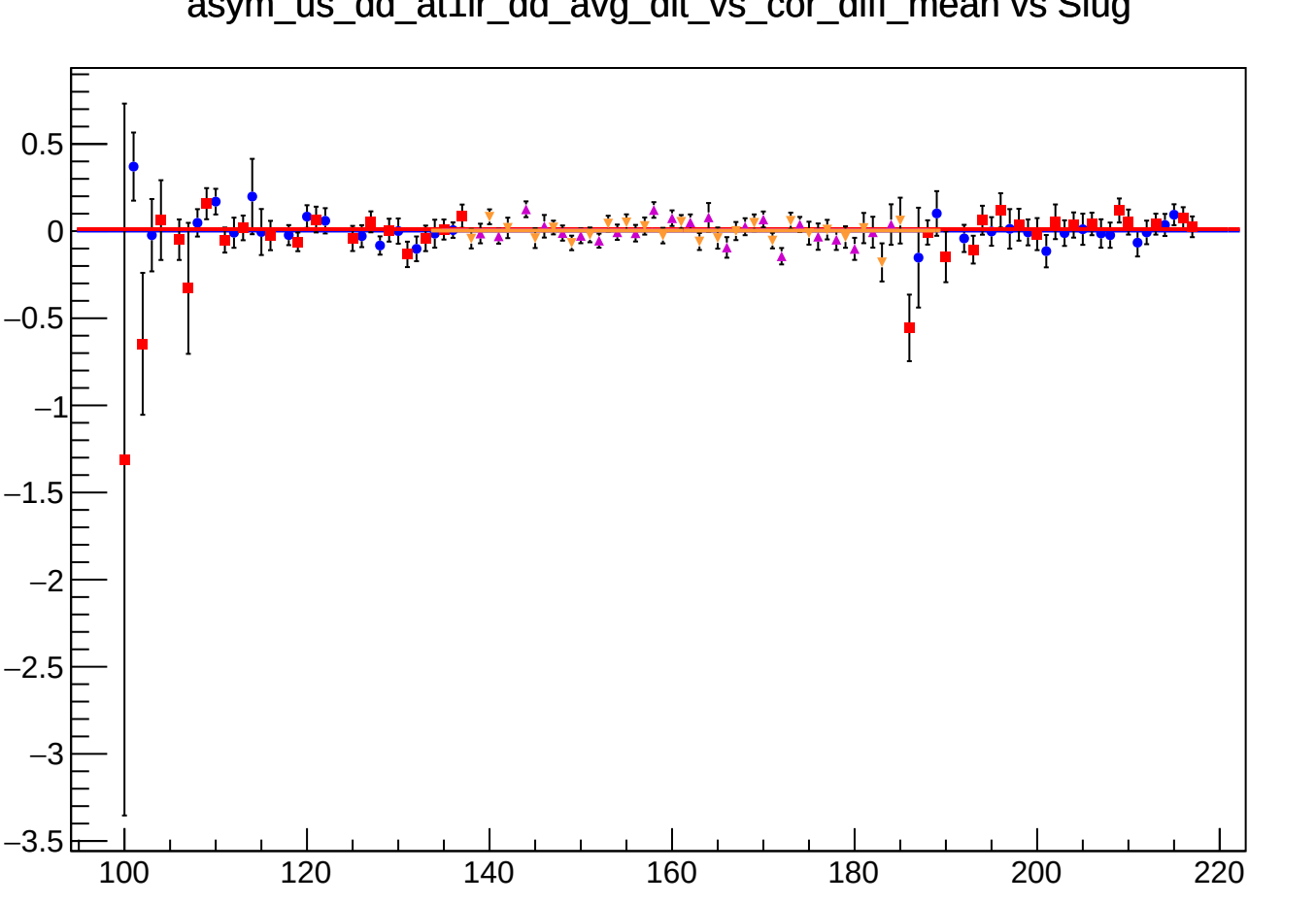
Right Out: 0.000+/-0.000 χ^2/NDF: 12030566.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14583217.0/54

All: 0.000+/-0.000 χ^2/NDF: 31134648.5/111

- sign 0.000+/-0.000 χ^2/NDF: 16520555.8/56



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

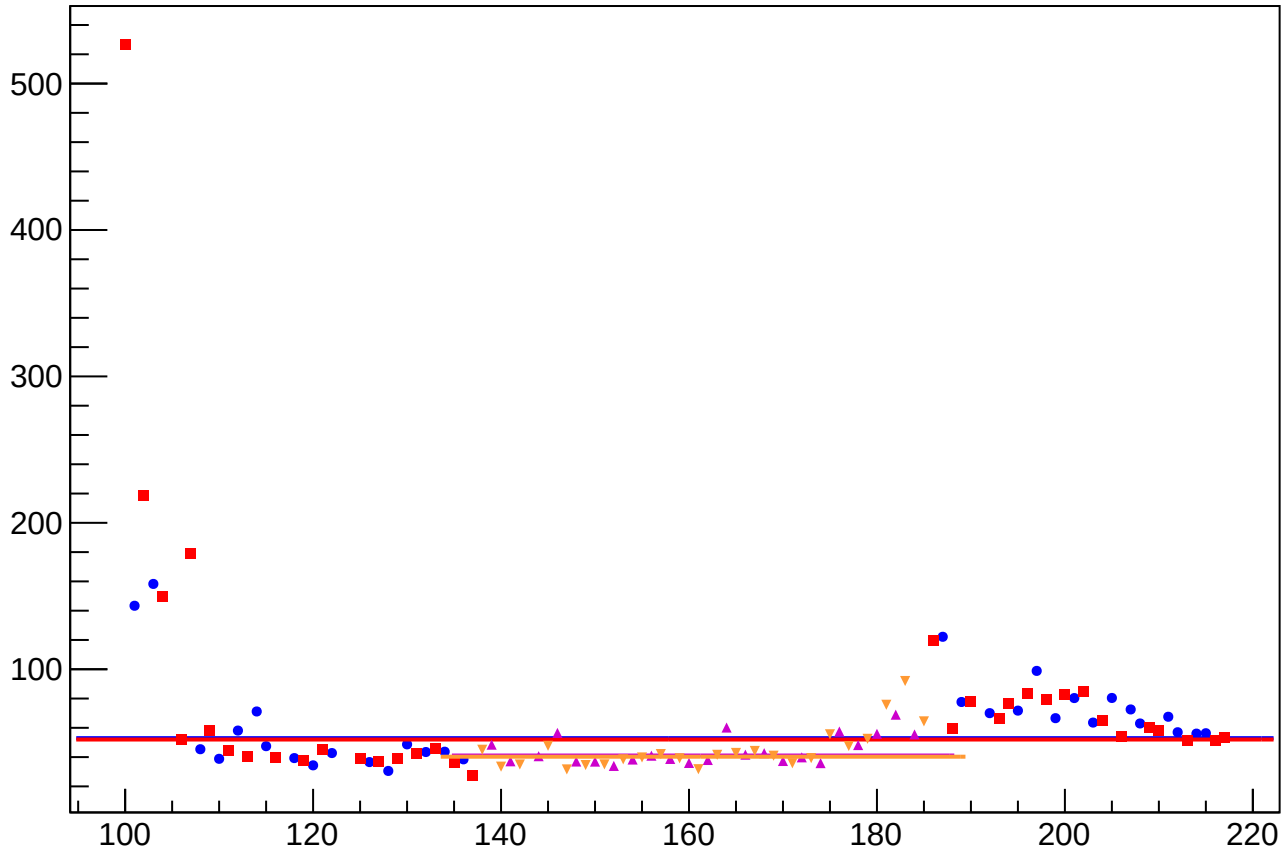
Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/54

All: 0.005+/-0.006 χ^2/NDF: 122.6/111

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56



Right In: 52.946+/-0.010 χ^2/NDF: 3583139.9/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

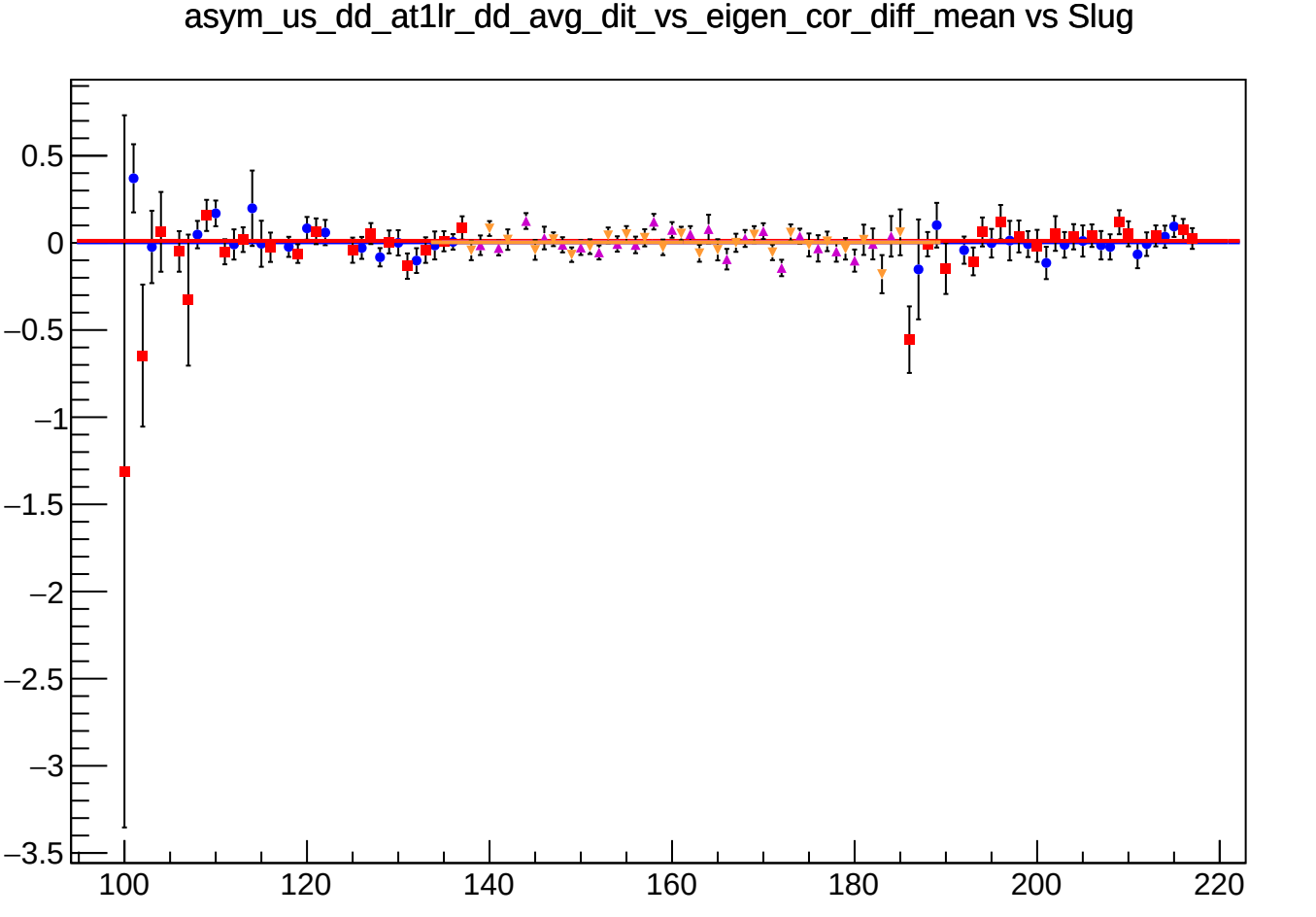
Right Out: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.884+/-0.006 χ^2/NDF: 6157723.9/54

All: 45.070+/-0.004 χ^2/NDF: 11478422.0/11

- sign 45.258+/-0.006 χ^2/NDF: 5318656.2/56



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

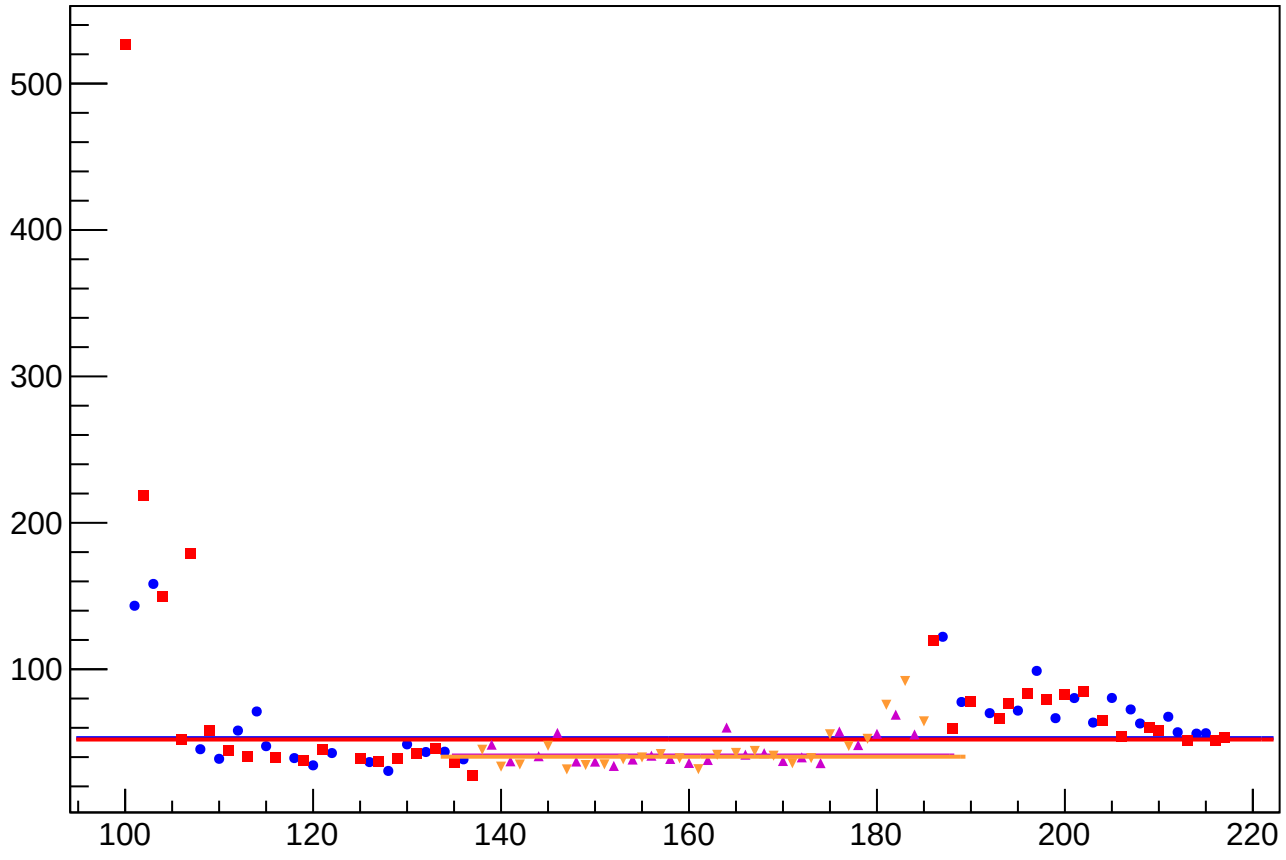
Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/54

All: 0.005+/-0.006 χ^2/NDF: 122.6/111

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56



Right In: 52.946+/-0.010 χ^2/NDF: 3583139.9/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

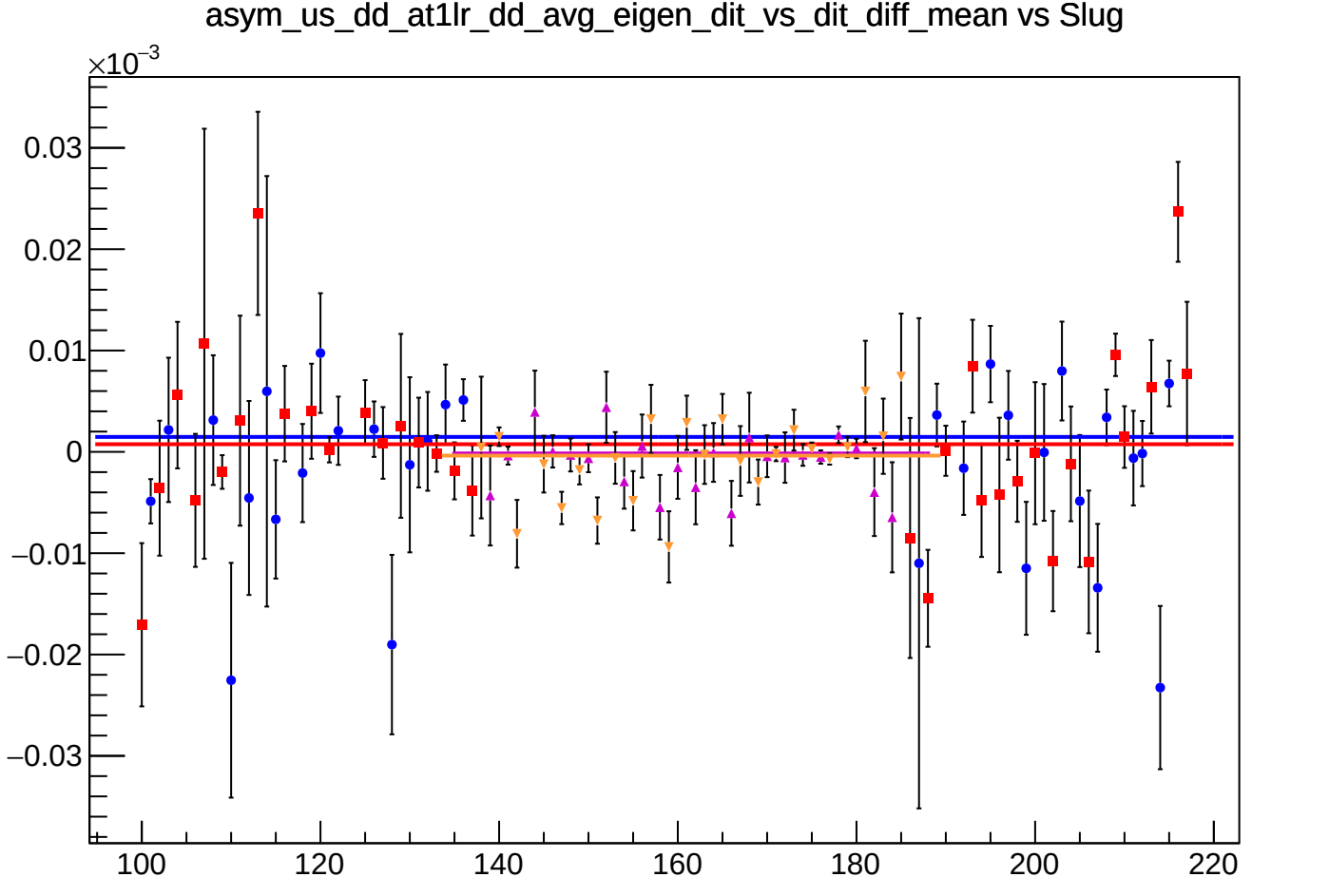
Right Out: 52.003+/-0.009 χ^2/NDF: 3574155.8/33

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.884+/-0.006 χ^2/NDF: 6157723.9/54

All: 45.070+/-0.004 χ^2/NDF: 11478422.0/11

- sign 45.258+/-0.006 χ^2/NDF: 5318656.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 60.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

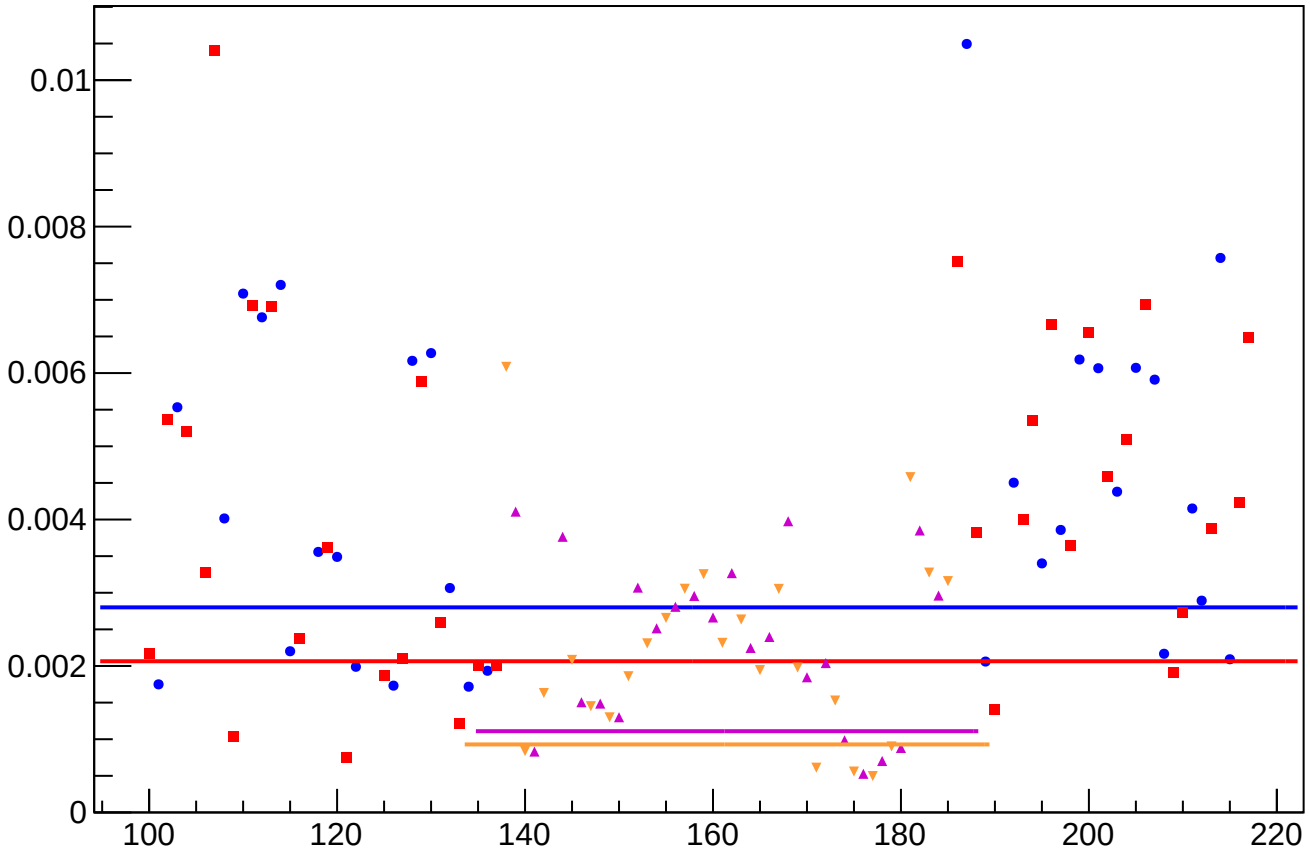
Right Out: 0.000+/-0.000 χ^2/NDF: 85.0/33

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 117.0/54

All: -0.000+/-0.000 χ^2/NDF: 224.0/111

- sign 0.000+/-0.000 χ^2/NDF: 106.7/56



Right In: 0.003+/-0.000 χ^2/NDF: 7308322.9/30

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

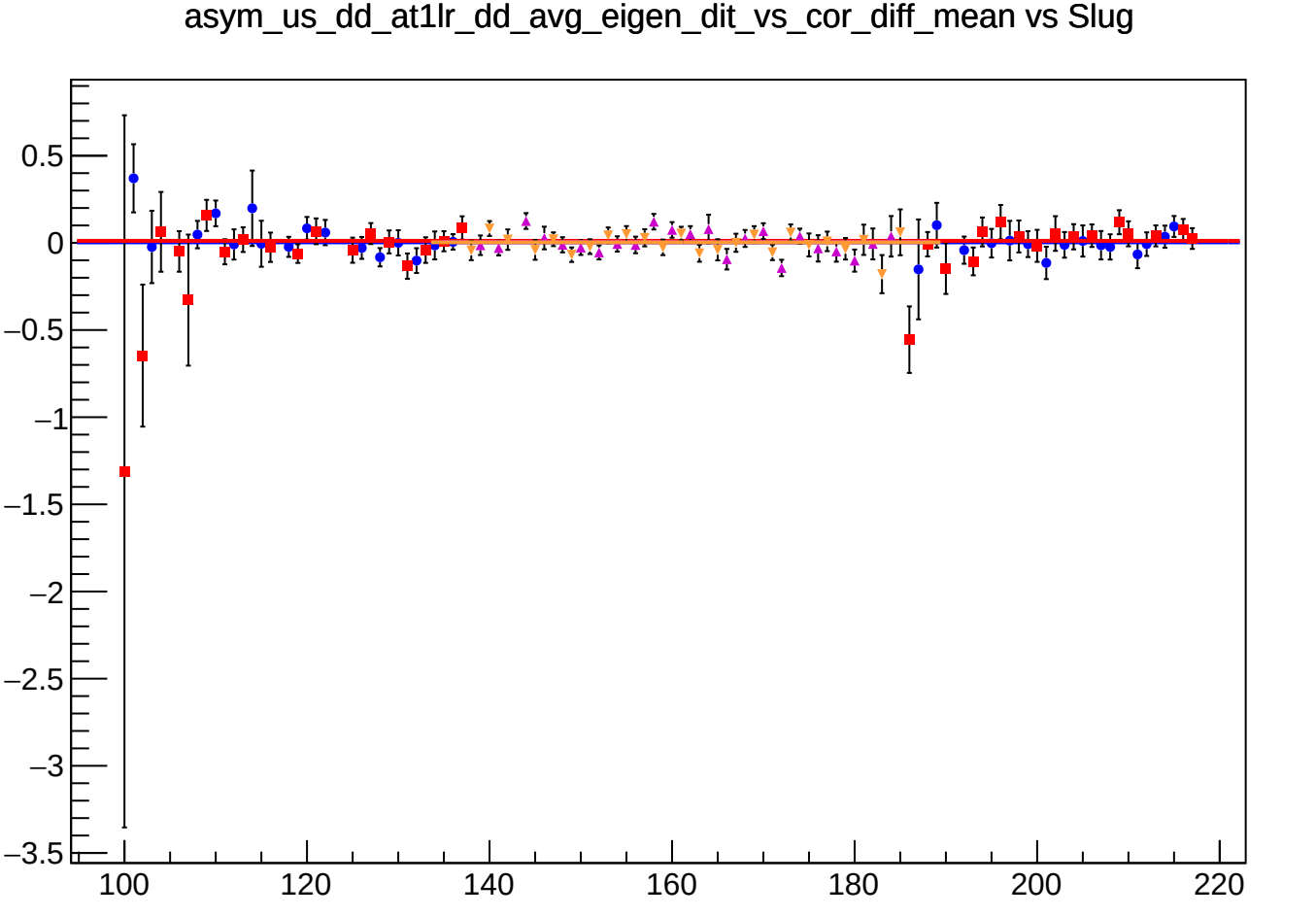
Right Out: 0.002+/-0.000 χ^2/NDF: 13569456.6/33

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

\+ sign 0.001+/-0.000 χ^2/NDF: 31298477.5/54

All: 0.001+/-0.000 χ^2/NDF: 60178956.7/111

\- sign 0.001+/-0.000 χ^2/NDF: 28533026.3/56



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

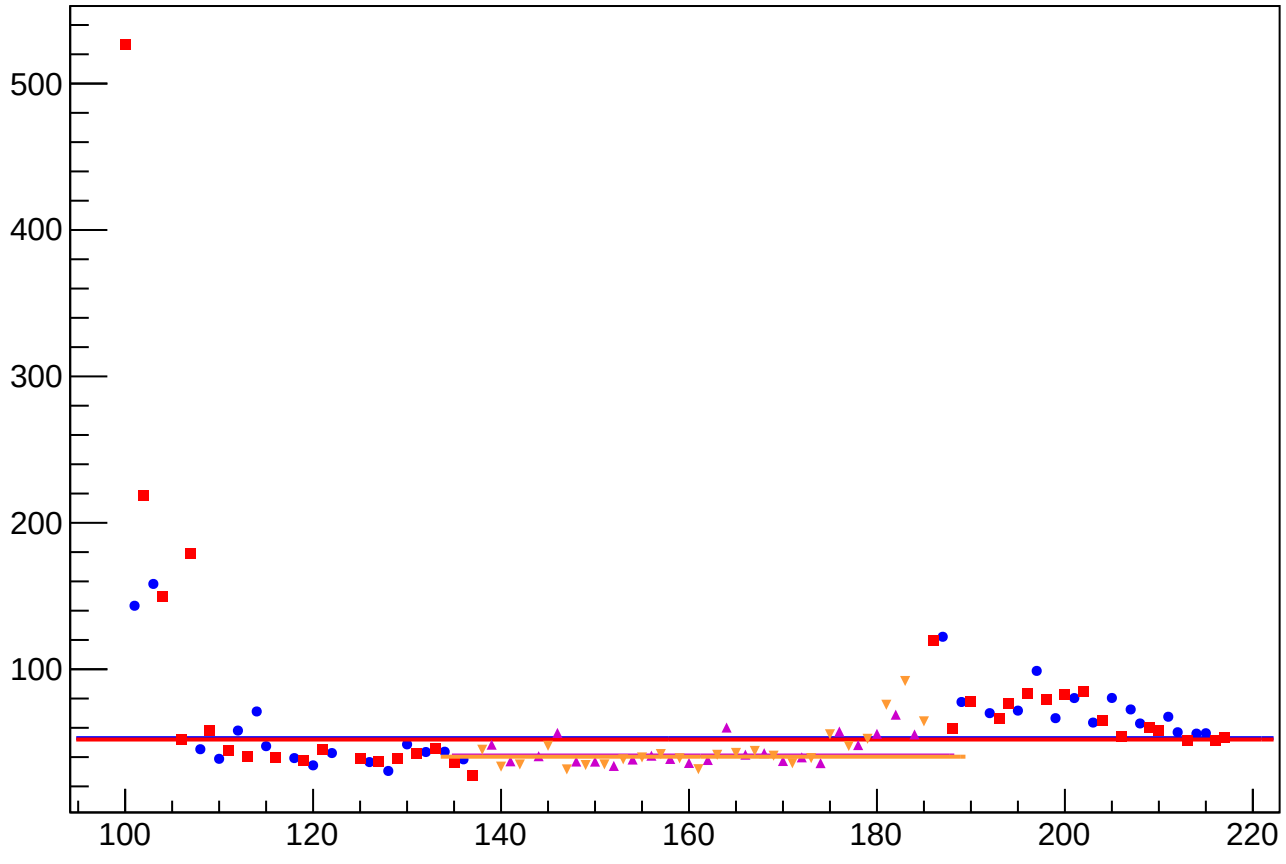
Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/54

All: 0.005+/-0.006 χ^2/NDF: 122.6/111

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56



Right In: 52.944+/-0.010 χ^2/NDF: 3583785.5/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

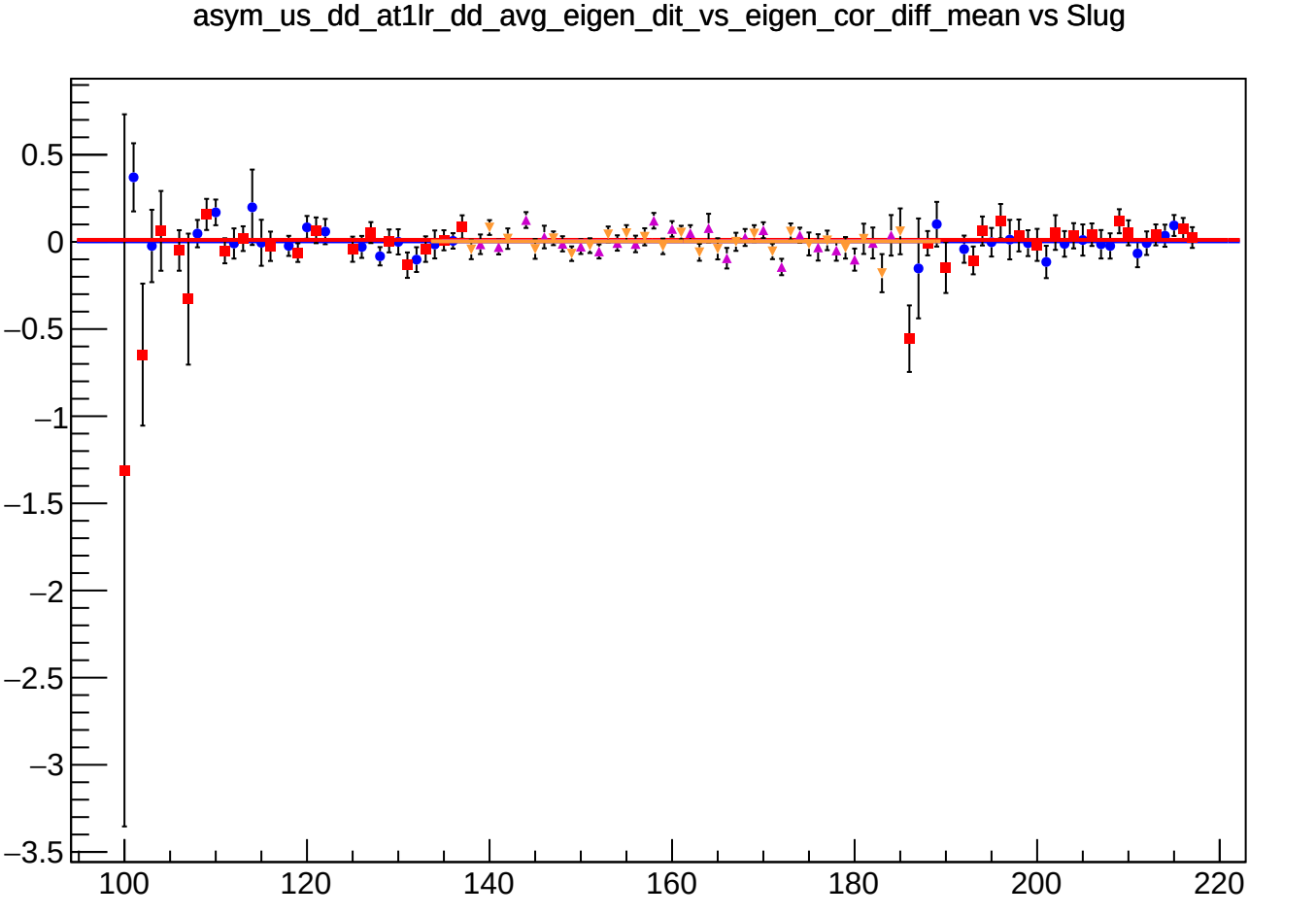
Right Out: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.883+/-0.006 χ^2/NDF: 6158063.2/54

All: 45.070+/-0.004 χ^2/NDF: 11478845.2/11

- sign 45.259+/-0.006 χ^2/NDF: 5318733.0/56



Right In: 0.003+/-0.014 χ^2/NDF: 23.7/30

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

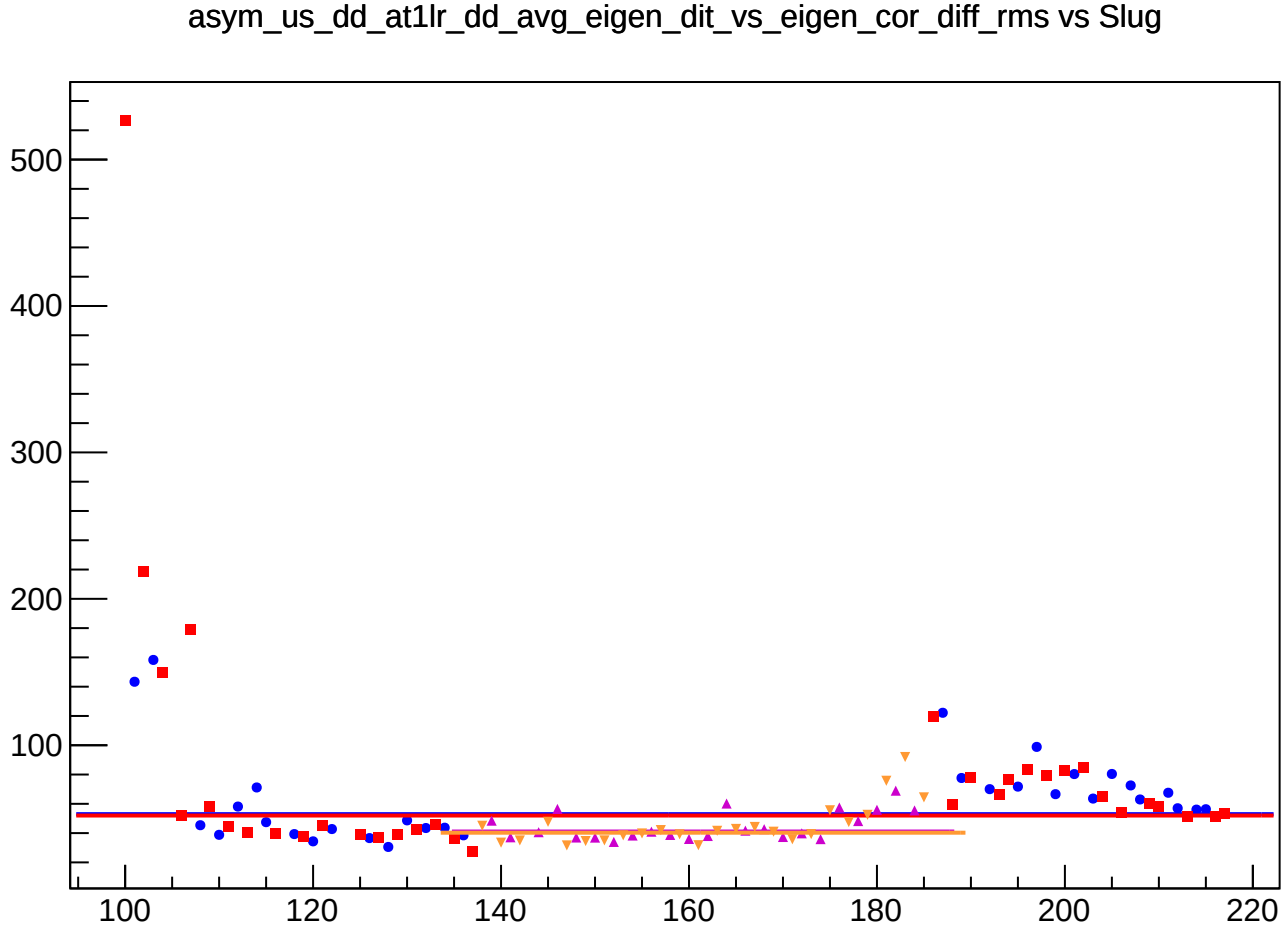
Right Out: 0.012+/-0.013 χ^2/NDF: 35.3/33

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.003+/-0.008 χ^2/NDF: 45.5/54

All: 0.005+/-0.006 χ^2/NDF: 122.6/111

- sign 0.008+/-0.008 χ^2/NDF: 76.9/56



Right In: 52.944+/-0.010 χ^2/NDF: 3583785.5/30

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

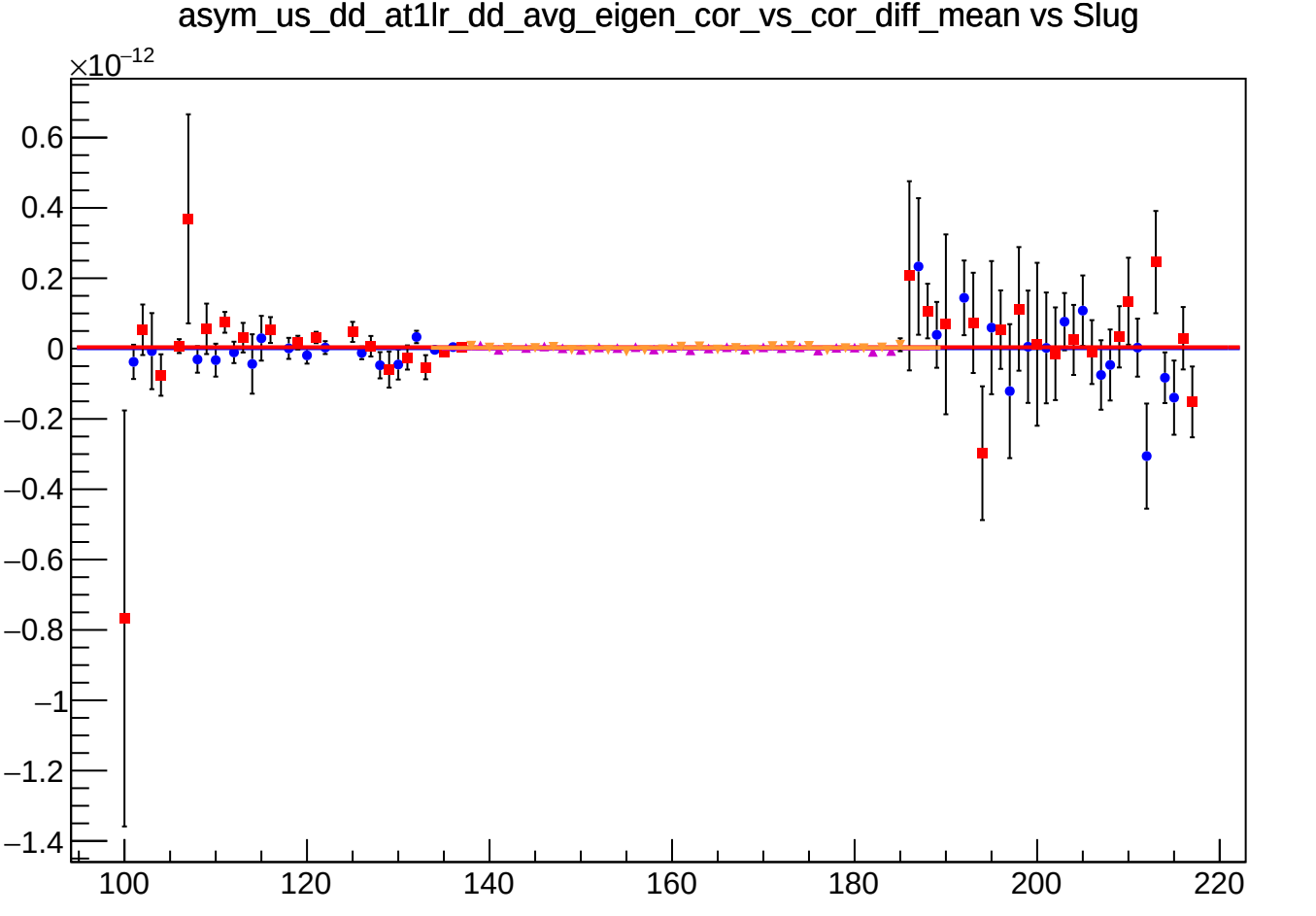
Right Out: 52.004+/-0.009 χ^2/NDF: 3574116.9/33

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.883+/-0.006 χ^2/NDF: 6158063.2/54

All: 45.070+/-0.004 χ^2/NDF: 11478845.2/11

- sign 45.259+/-0.006 χ^2/NDF: 5318733.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

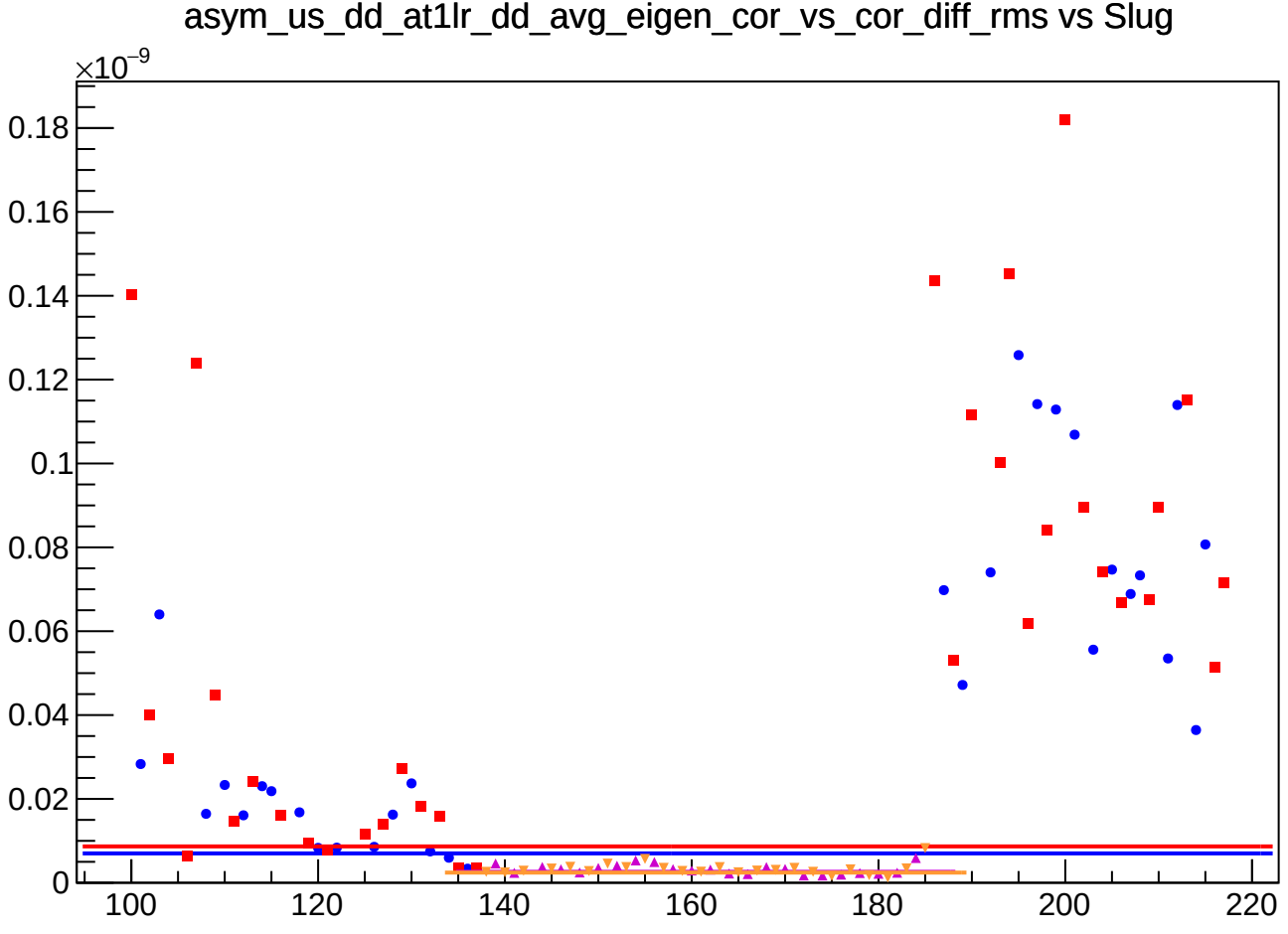
Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/33

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/54

All: 0.000+/-0.000 χ^2/NDF: 116.5/111

- sign 0.000+/-0.000 χ^2/NDF: 64.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 14202304.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15871605.8/33

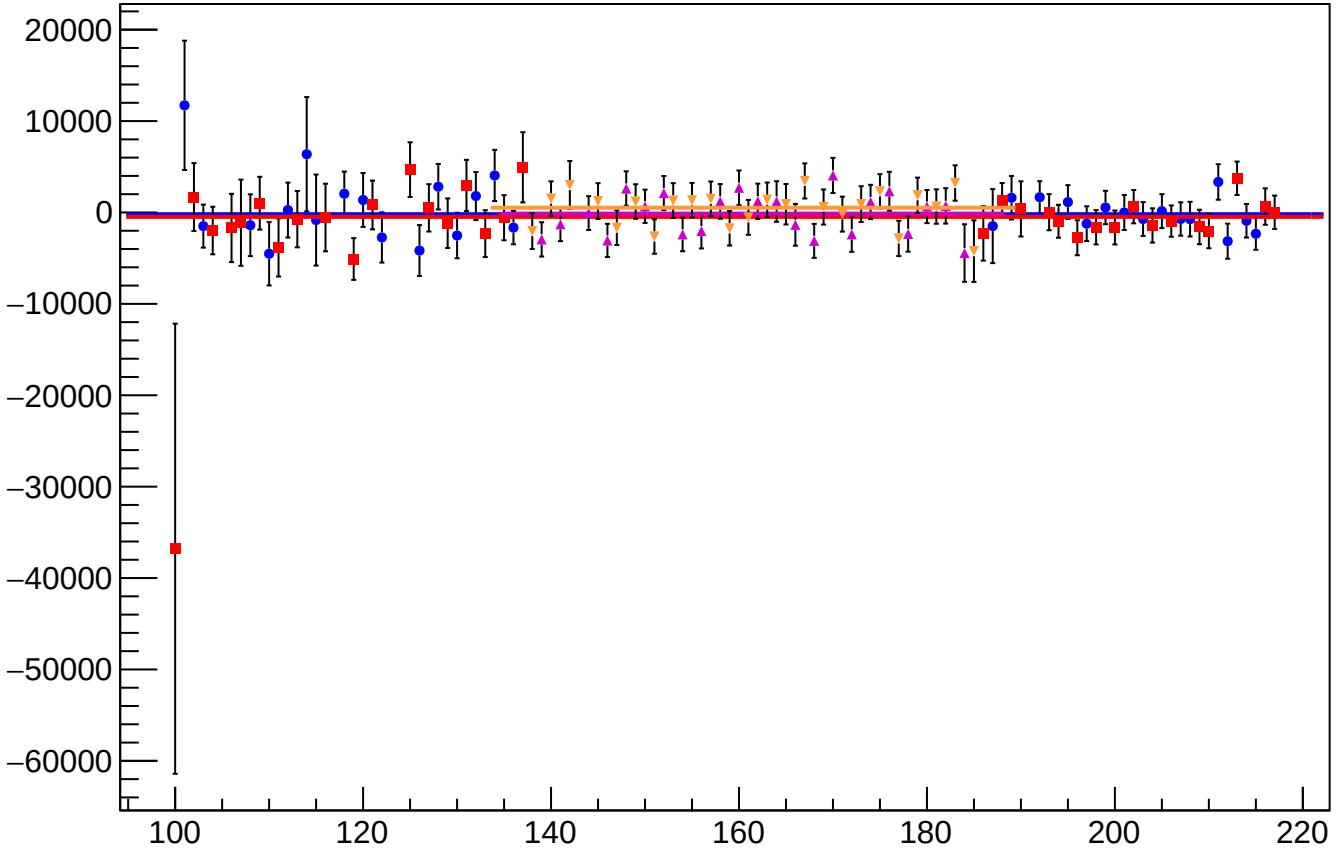
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 19662633.0/54

All: 0.000+/-0.000 χ^2/NDF: 40779535.8/111

- sign 0.000+/-0.000 χ^2/NDF: 21060783.4/56

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -189.273+/-408.073 χ^2/NDF: 26.2/30

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -480.868+/-400.516 χ^2/NDF: 27.0/33

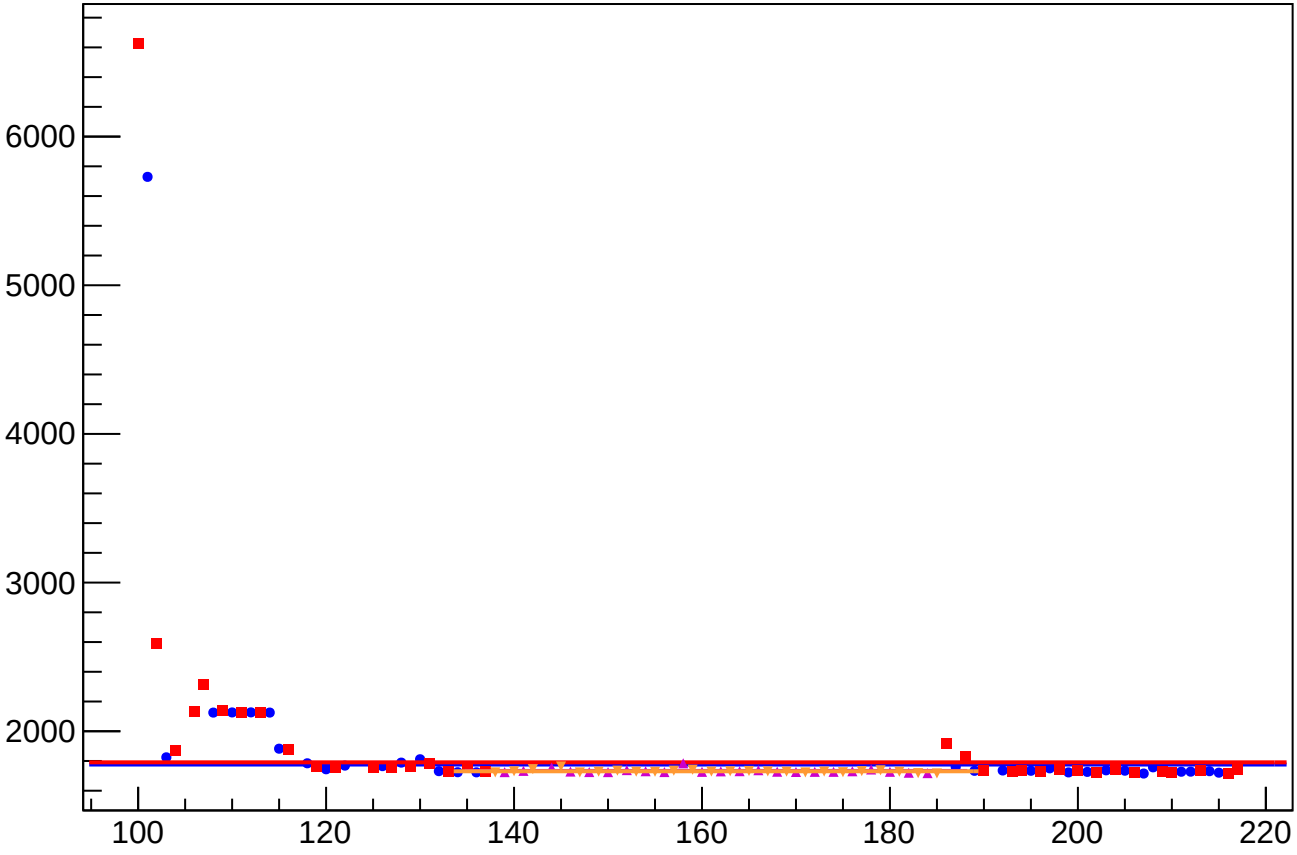
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 170.905+/-286.273 χ^2/NDF: 48.5/54

All: -68.532+/-201.850 χ^2/NDF: 106.8/111

- sign -305.262+/-284.651 χ^2/NDF: 56.9/56

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.3/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

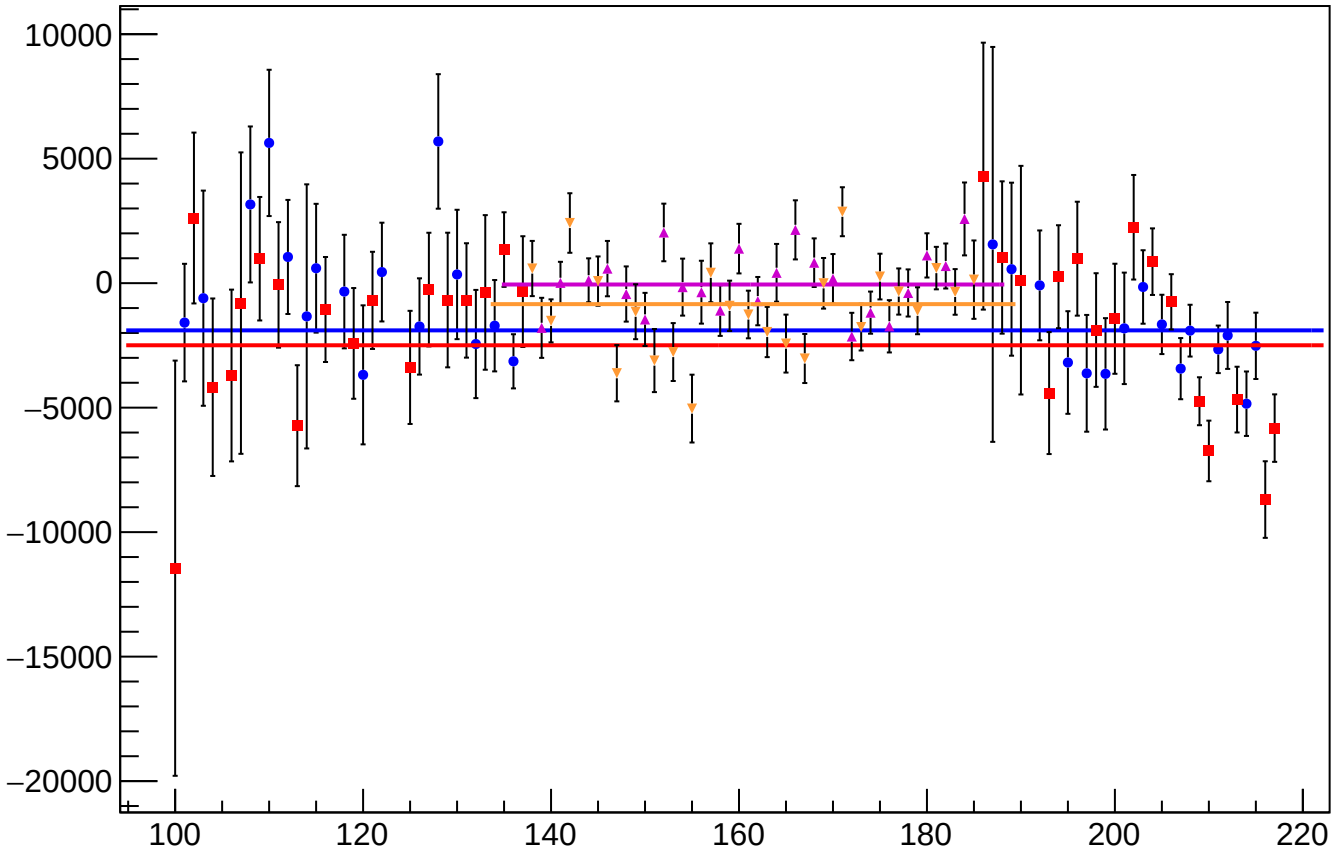
Right Out: 1790.919+/-0.283 χ^2/NDF: 324490.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1753.151+/-0.202 χ^2/NDF: 734582.9/54

All: 1757.731+/-0.143 χ^2/NDF: 1083021.4/11

- sign 1762.259+/-0.201 χ^2/NDF: 347420.7/56



Right In: -1896.254+/-316.355 χ^2/NDF: 36.1/30

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

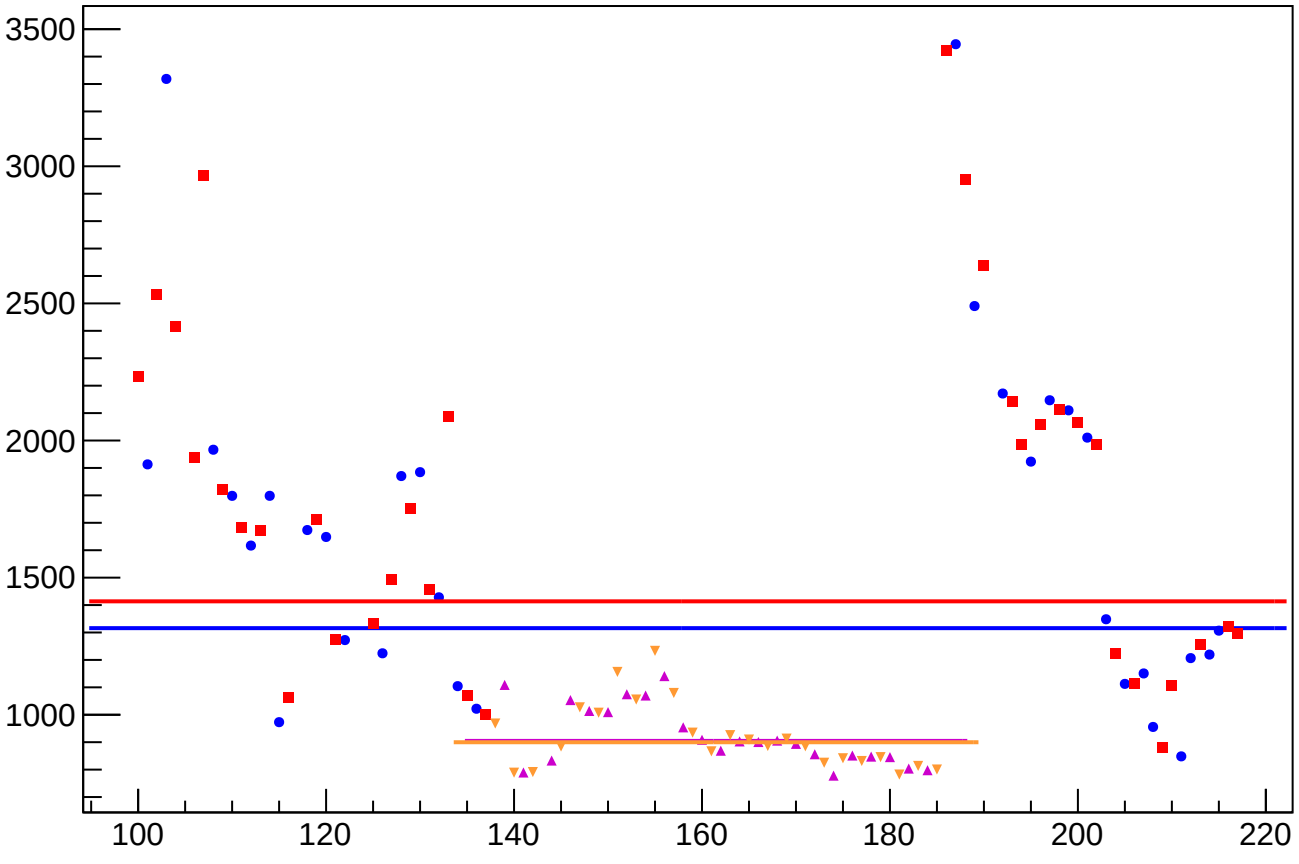
Right Out: -2494.765+/-333.331 χ^2/NDF: 84.7/33

Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -1166.579+/-175.453 χ^2/NDF: 106.5/54

All: -968.589+/-125.458 χ^2/NDF: 262.5/111

\- sign -761.441+/-179.465 χ^2/NDF: 153.4/56



Right In: 1315.848+/-0.224 χ^2/NDF: 3607920.3/30

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1413.596+/-0.236 χ^2/NDF: 3976179.4/33

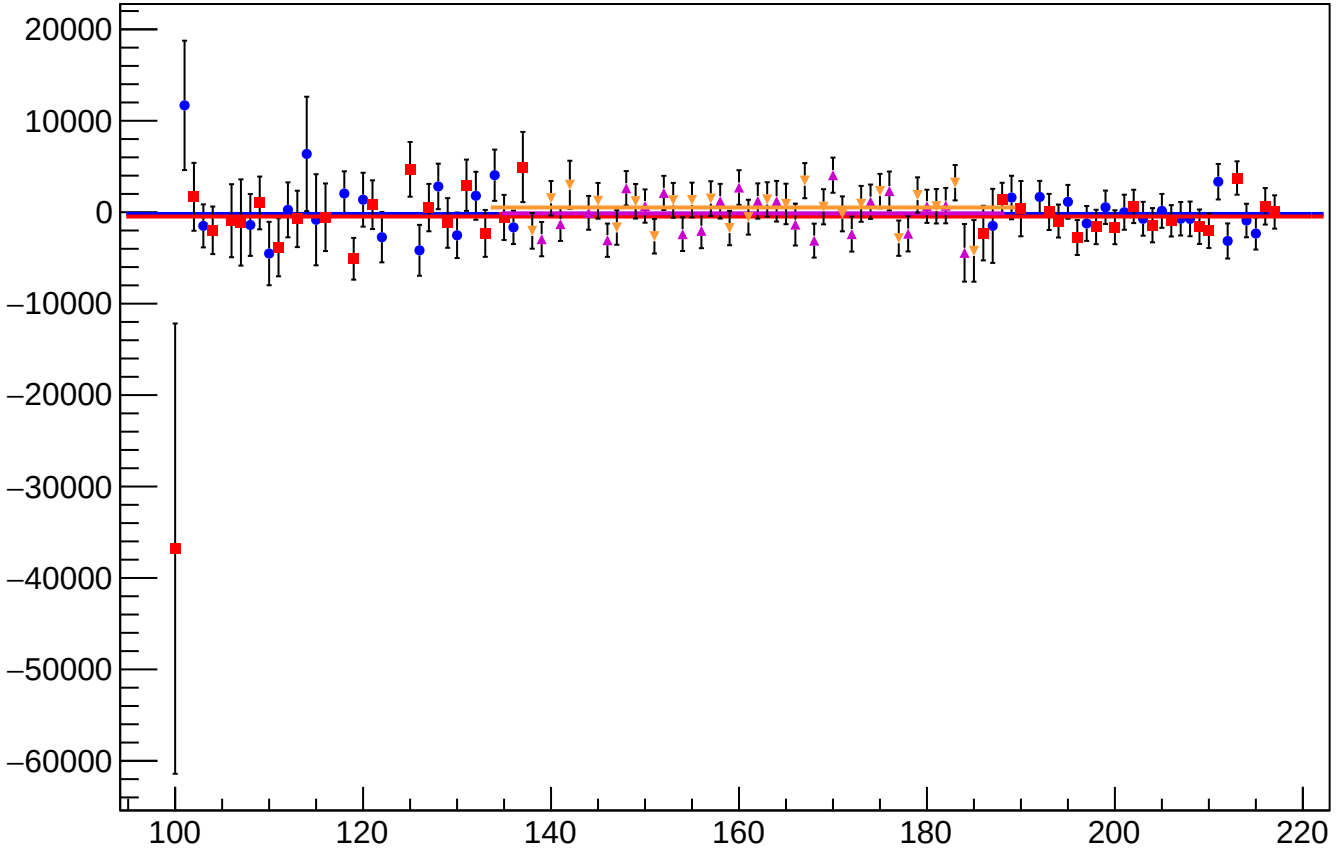
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1027.780+/-0.124 χ^2/NDF: 6498257.1/54

All: 1039.706+/-0.089 χ^2/NDF: 14256511.7/1

- sign 1052.183+/-0.127 χ^2/NDF: 7739346.1/56

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -189.582+/-408.073 χ^2/NDF: 26.2/30

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -471.548+/-400.805 χ^2/NDF: 27.0/33

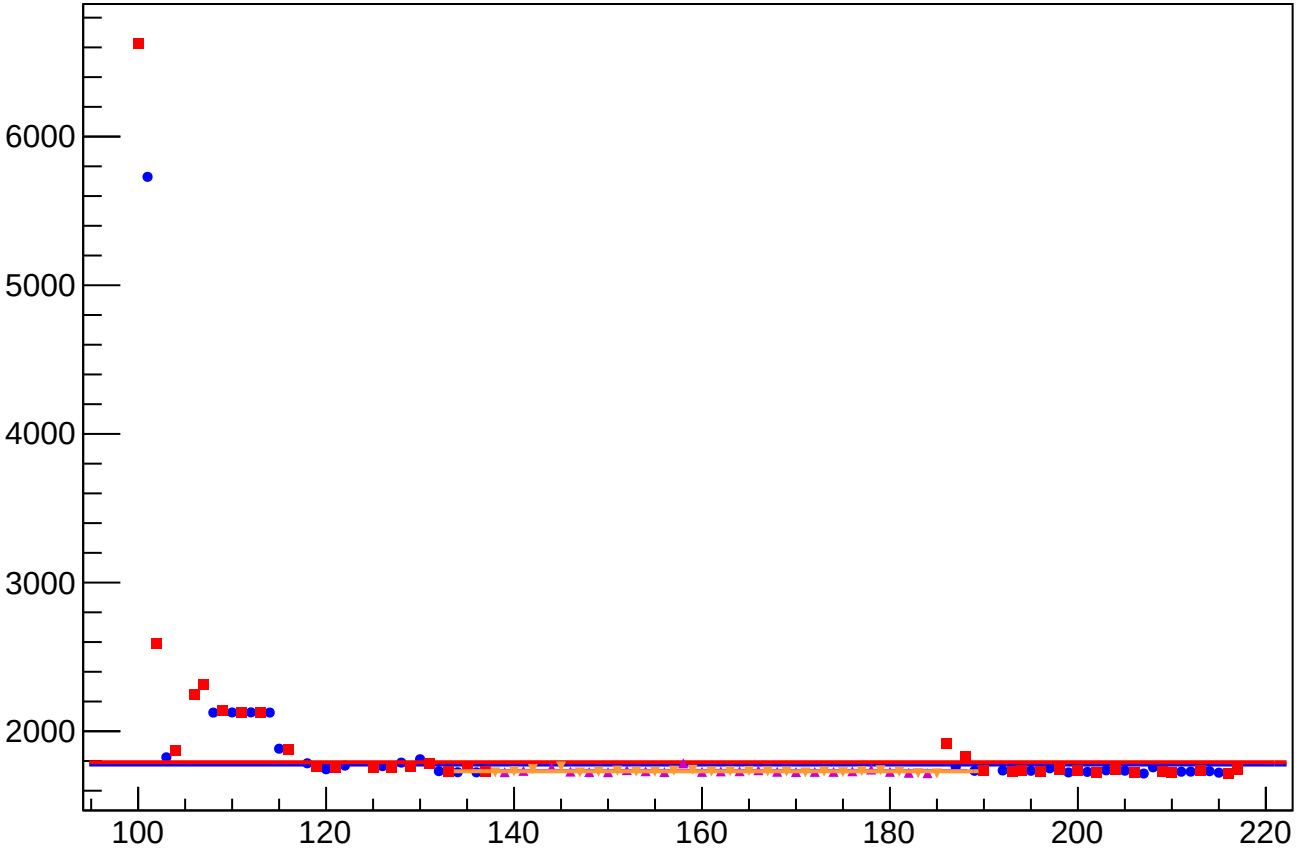
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 170.767+/-286.273 χ^2/NDF: 48.5/54

All: -66.100+/-201.887 χ^2/NDF: 106.6/111

- sign -300.460+/-284.755 χ^2/NDF: 56.8/56

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.1/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

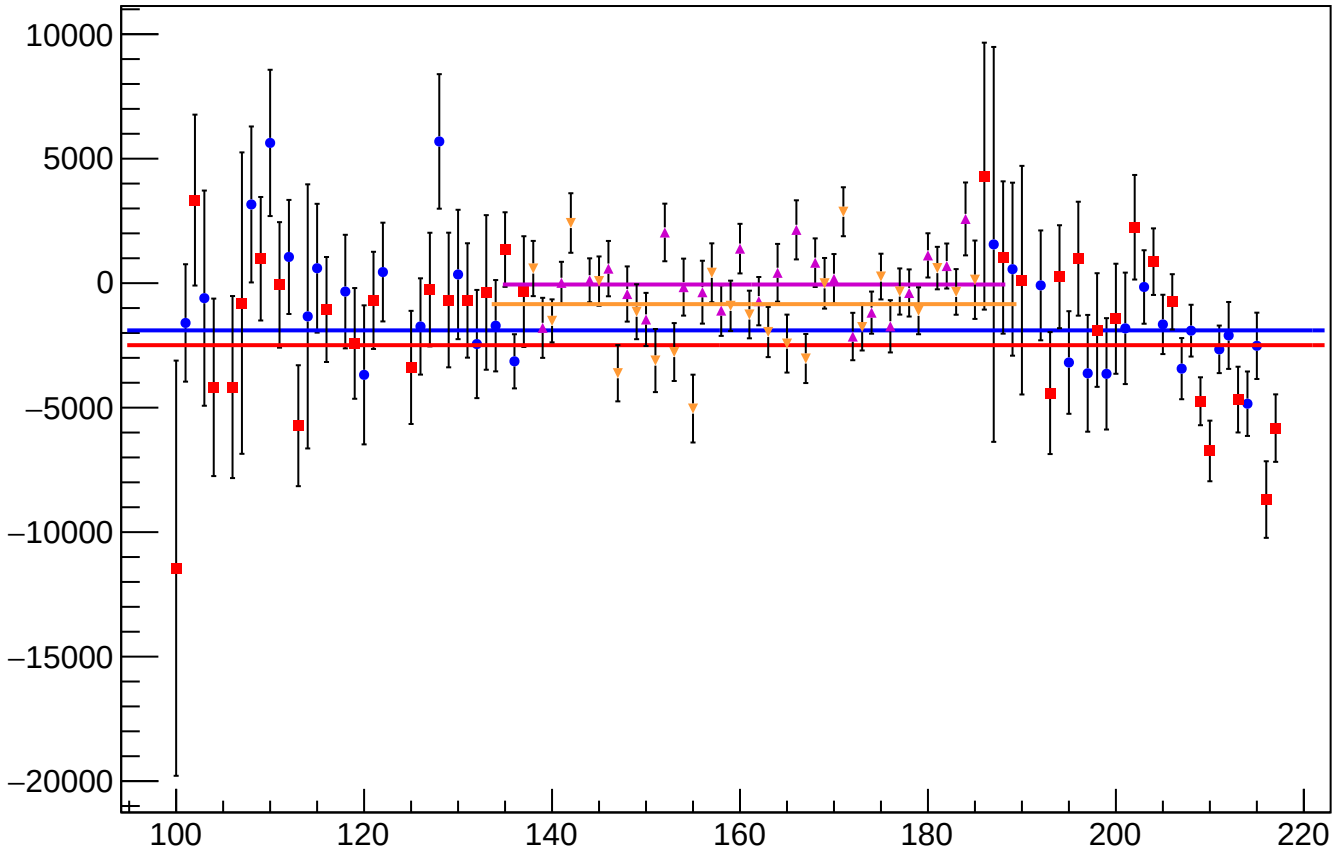
Right Out: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1753.151+/-0.202 χ^2/NDF: 734582.8/54

All: 1757.892+/-0.143 χ^2/NDF: 1093168.9/11

- sign 1762.582+/-0.201 χ^2/NDF: 357495.1/56



Right In: -1896.452+/-316.346 χ^2/NDF: 36.1/30

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

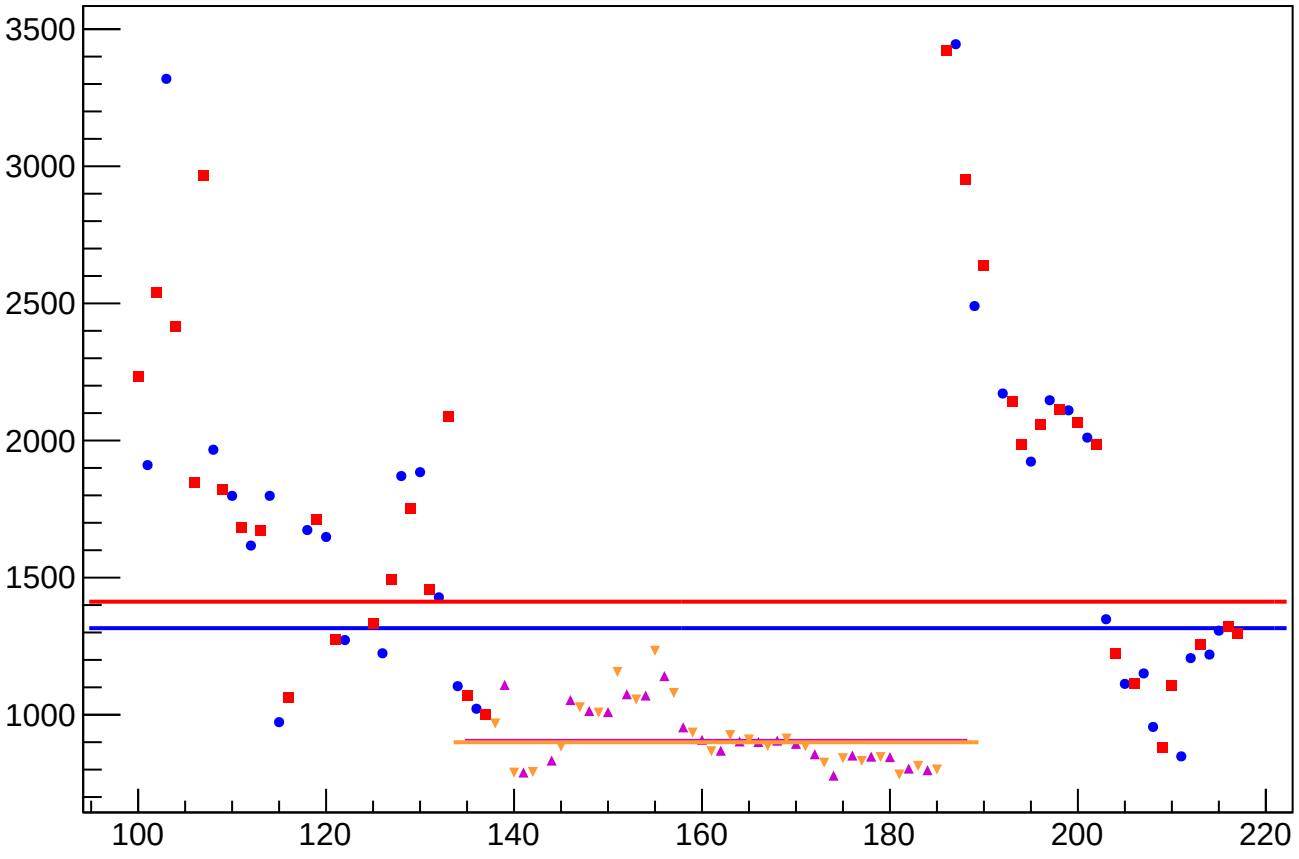
Right Out: -2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1166.679+/-175.452 χ^2/NDF: 106.5/54

All: -967.840+/-125.467 χ^2/NDF: 263.1/111

- sign -759.741+/-179.491 χ^2/NDF: 154.0/56



Right In: 1315.823+/-0.224 χ^2/NDF: 3607243.2/30

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

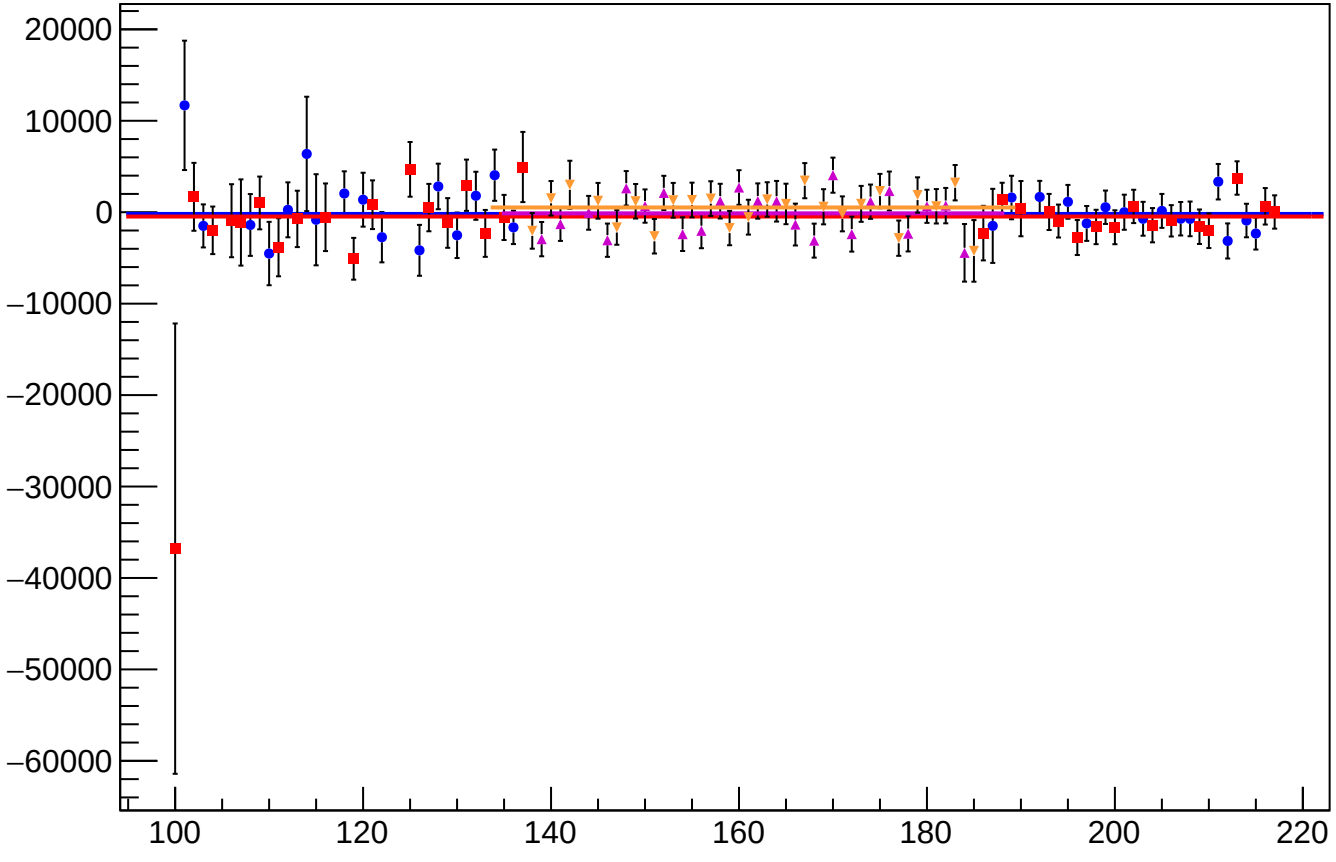
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1027.780+/-0.124 χ^2/NDF: 6497303.8/54

All: 1039.469+/-0.089 χ^2/NDF: 14219440.1/1

- sign 1051.703+/-0.127 χ^2/NDF: 7703967.8/56

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -189.582+/-408.073 χ^2/NDF: 26.2/30

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -471.548+/-400.805 χ^2/NDF: 27.0/33

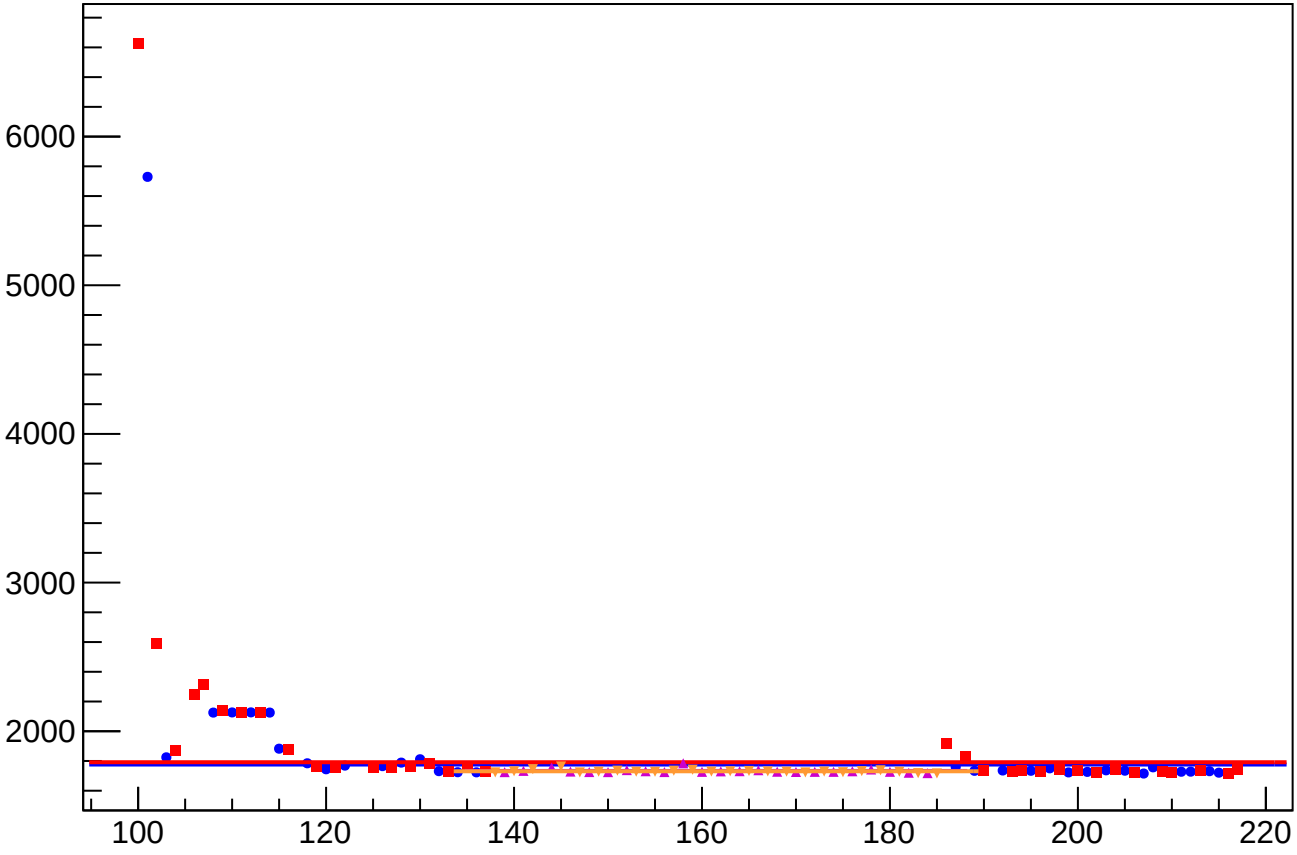
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 170.767+/-286.273 χ^2/NDF: 48.5/54

All: -66.100+/-201.887 χ^2/NDF: 106.6/111

- sign -300.460+/-284.755 χ^2/NDF: 56.8/56

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1776.169+/-0.289 χ^2/NDF: 721084.1/30

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

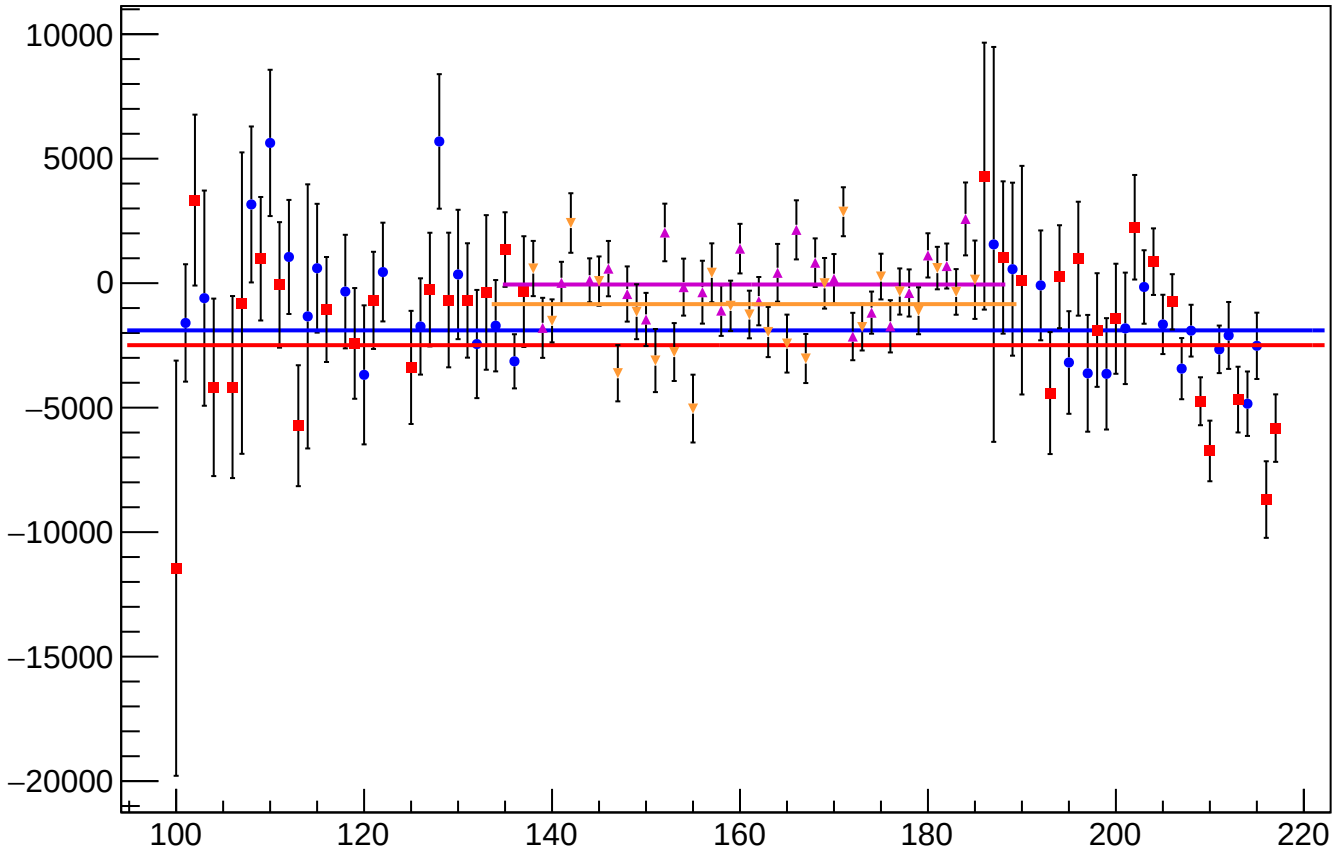
Right Out: 1791.601+/-0.283 χ^2/NDF: 334089.1/33

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1753.151+/-0.202 χ^2/NDF: 734582.8/54

All: 1757.892+/-0.143 χ^2/NDF: 1093168.9/11

- sign 1762.582+/-0.201 χ^2/NDF: 357495.1/56



Right In: -1896.452+/-316.346 χ^2/NDF: 36.1/30

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

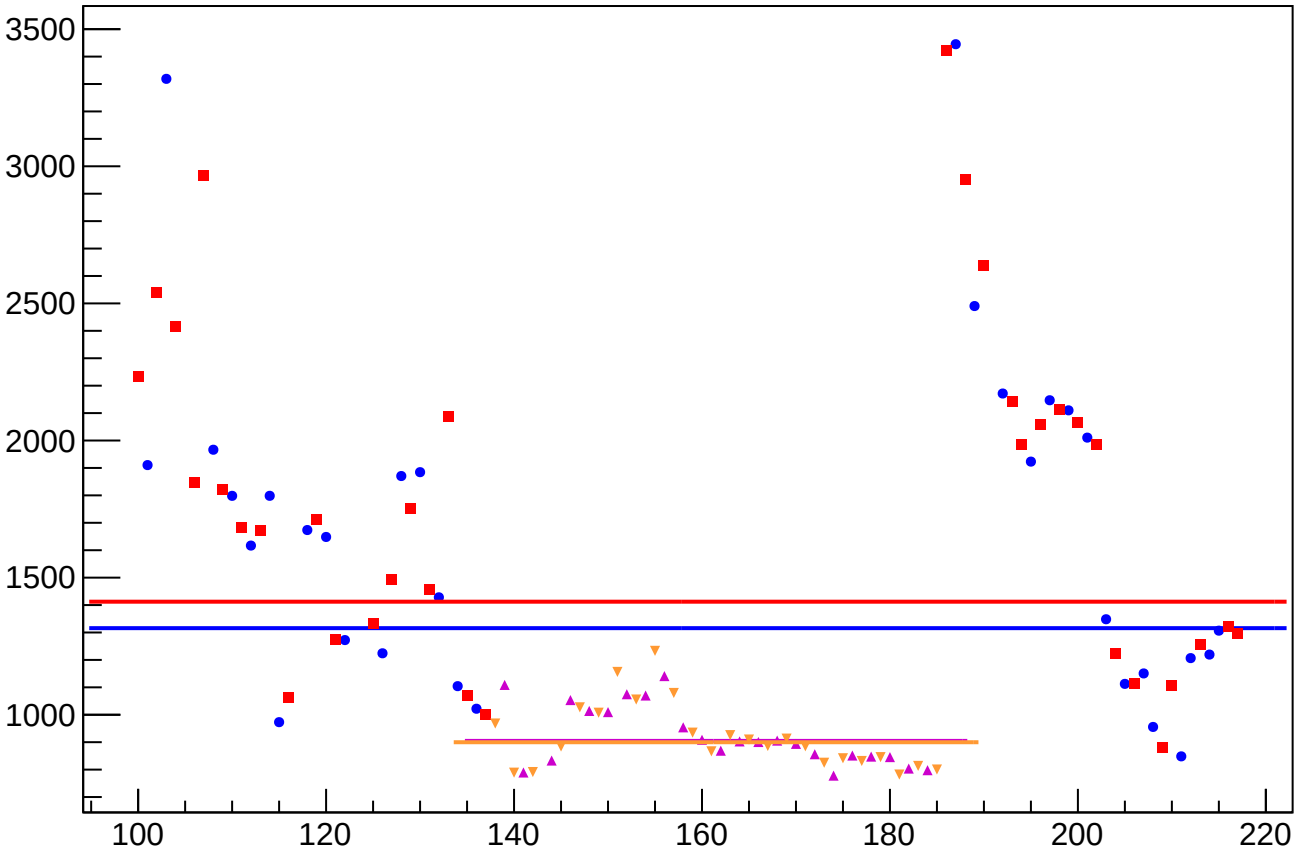
Right Out: -2490.622+/-333.501 χ^2/NDF: 85.4/33

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1166.679+/-175.452 χ^2/NDF: 106.5/54

All: -967.840+/-125.467 χ^2/NDF: 263.1/111

- sign -759.741+/-179.491 χ^2/NDF: 154.0/56



Right In: 1315.823+/-0.224 χ^2/NDF: 3607243.2/30

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1412.315+/-0.236 χ^2/NDF: 3959775.8/33

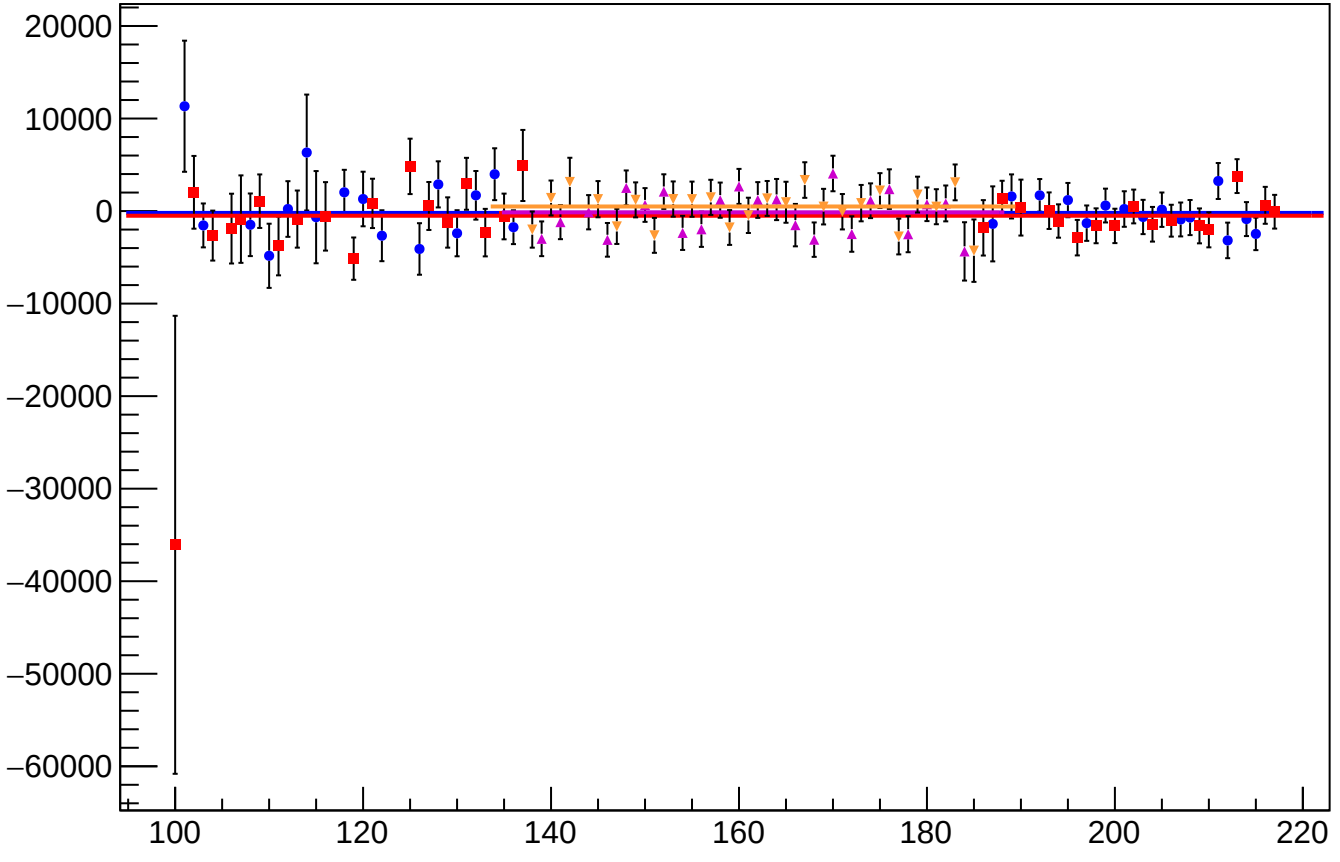
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1027.780+/-0.124 χ^2/NDF: 6497303.8/54

All: 1039.469+/-0.089 χ^2/NDF: 14219440.1/1

- sign 1051.703+/-0.127 χ^2/NDF: 7703967.8/56

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -200.119+/-408.483 χ^2/NDF: 26.2/30

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -505.080+/-401.559 χ^2/NDF: 27.6/33

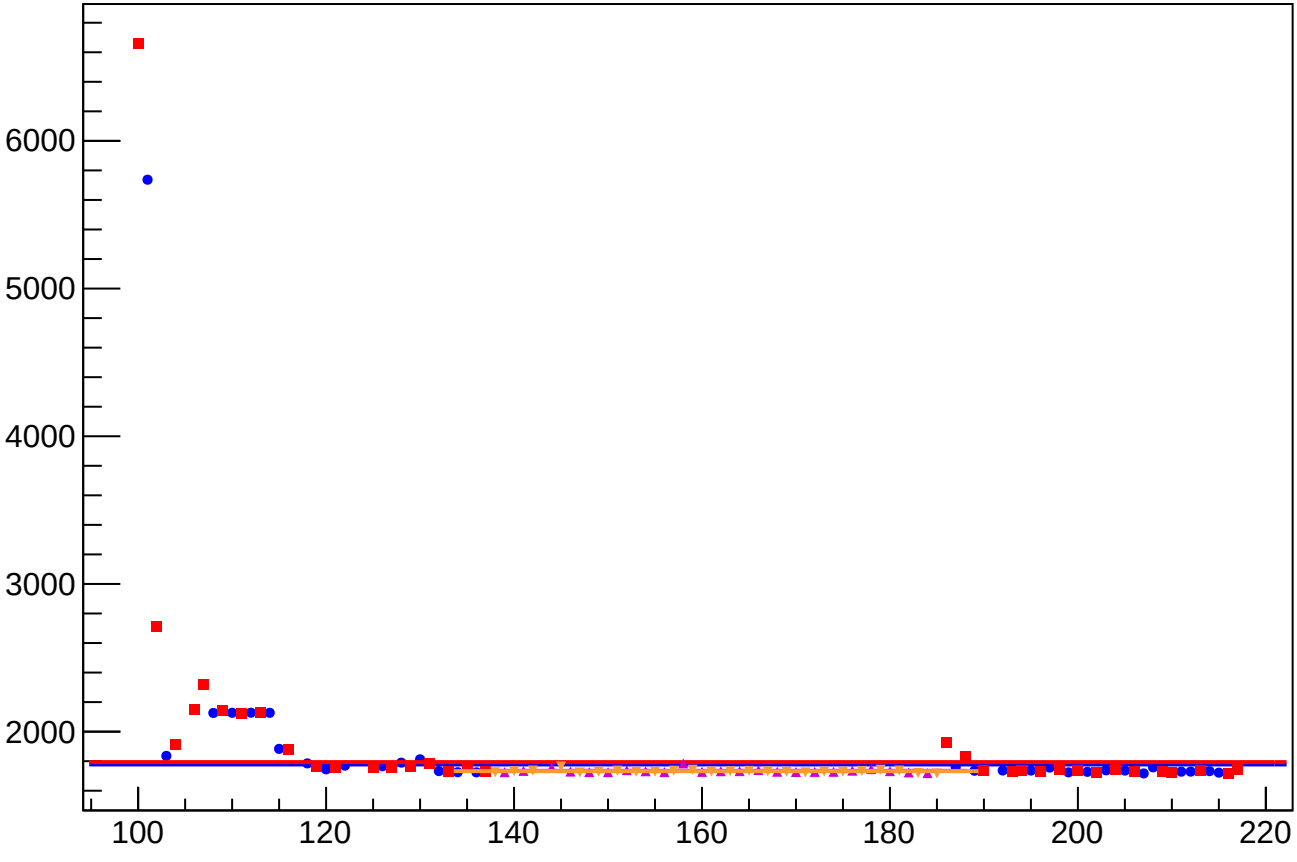
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 152.888+/-286.547 χ^2/NDF: 47.8/54

All: -86.060+/-202.124 χ^2/NDF: 106.7/111

- sign -322.688+/-285.152 χ^2/NDF: 57.6/56

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1777.840+/-0.289 χ^2/NDF: 721583.2/30

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

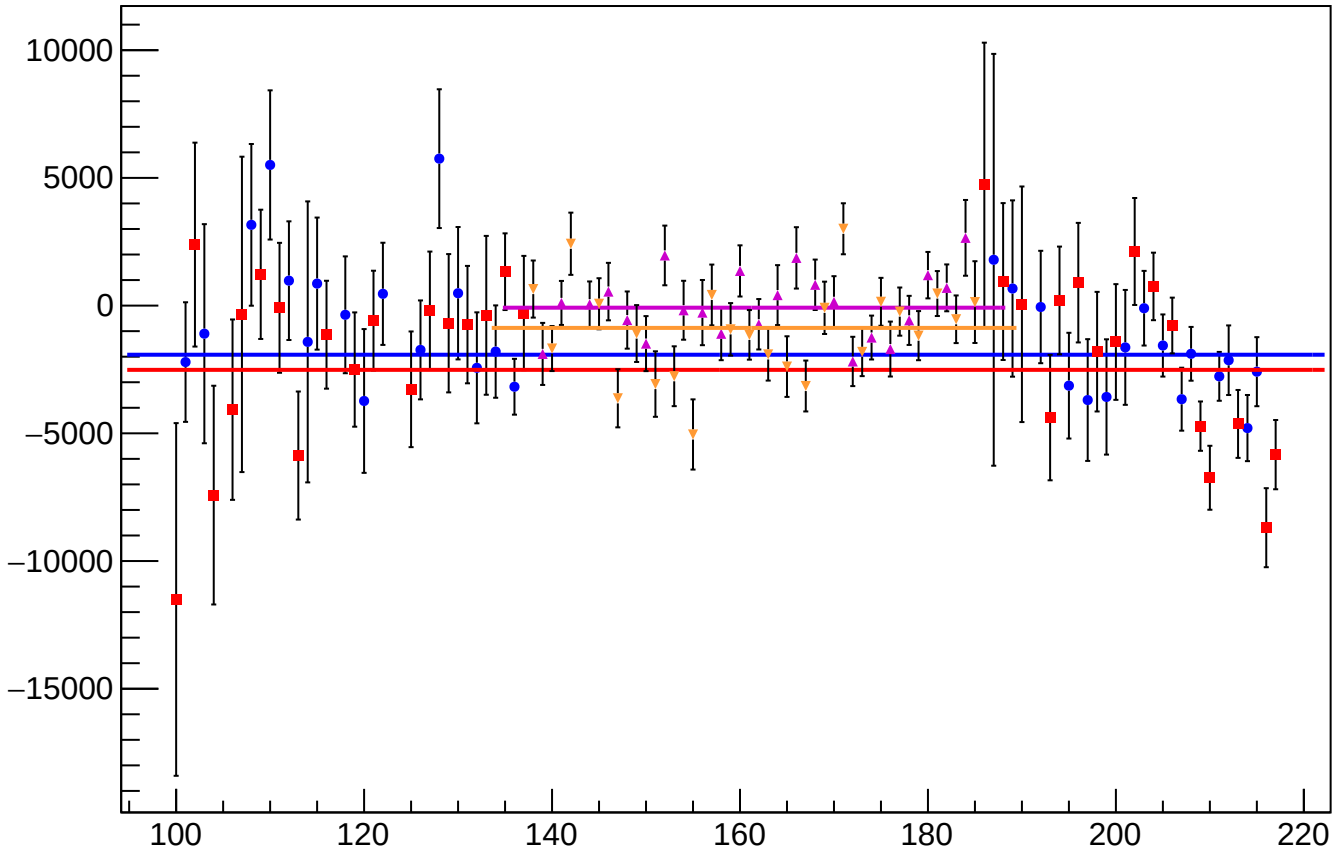
Right Out: 1793.709+/-0.284 χ^2/NDF: 345040.3/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1754.755+/-0.203 χ^2/NDF: 735070.5/54

All: 1759.596+/-0.143 χ^2/NDF: 1104969.0/11

- sign 1764.391+/-0.202 χ^2/NDF: 368762.2/56



Right In: -1923.037+/-318.053 χ^2/NDF: 36.9/30

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -2515.403+/-335.743 χ^2/NDF: 83.9/33

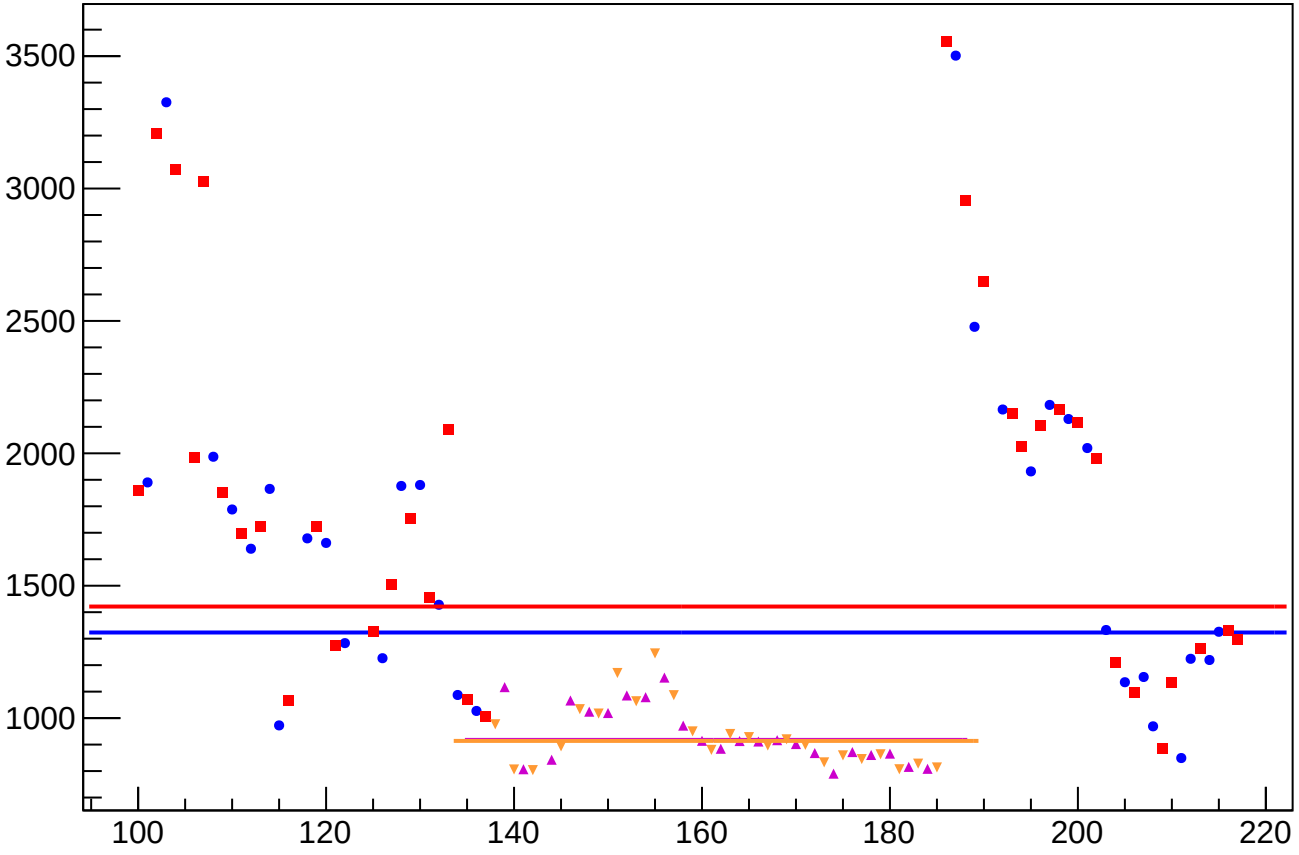
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1200.126+/-177.555 χ^2/NDF: 106.4/54

All: -1001.443+/-126.957 χ^2/NDF: 260.0/111

- sign -793.600+/-181.602 χ^2/NDF: 151.0/56

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1323.303+/-0.225 χ^2/NDF: 3598668.8/30

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1421.327+/-0.237 χ^2/NDF: 4398209.7/33

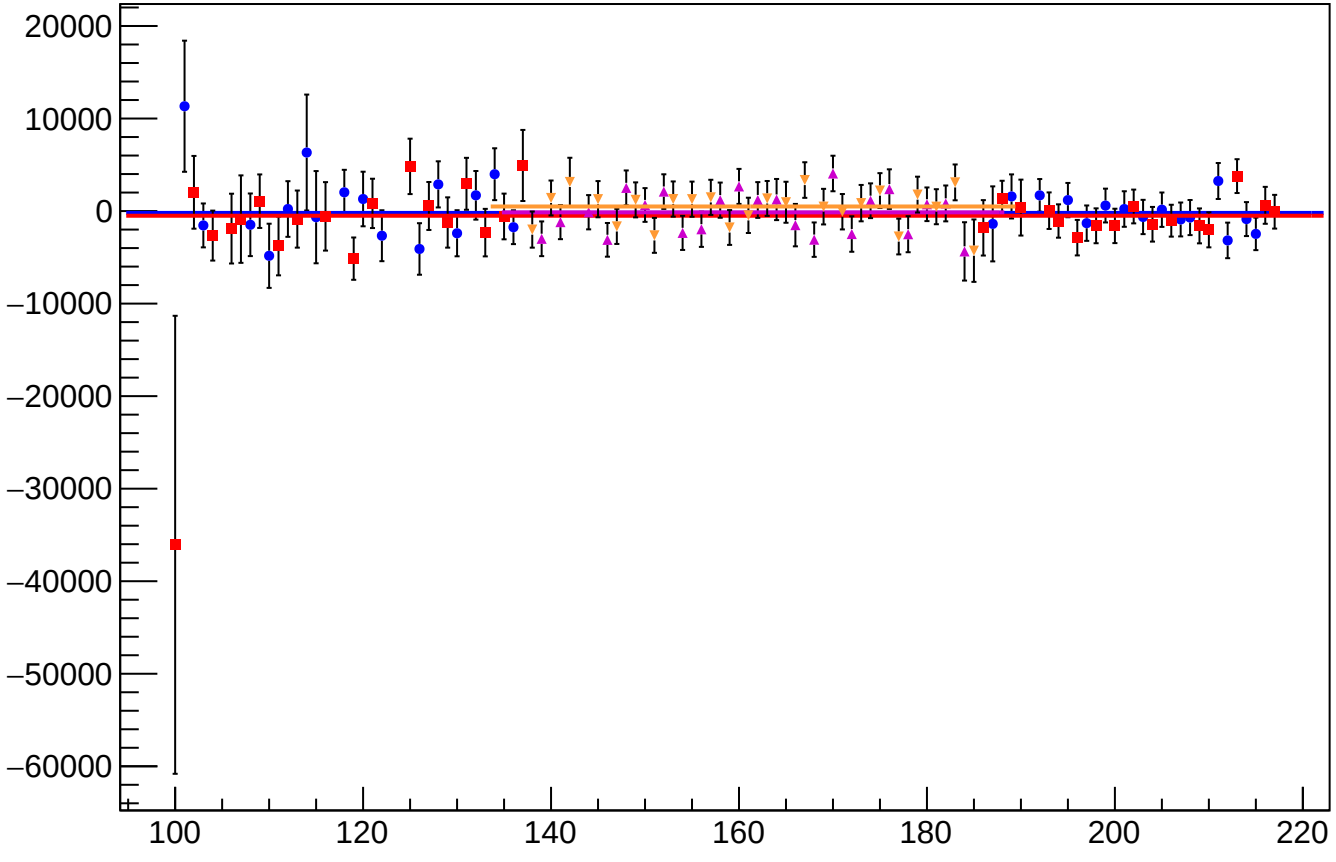
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1041.490+/-0.126 χ^2/NDF: 6342621.8/54

All: 1052.994+/-0.090 χ^2/NDF: 14372430.3/1

- sign 1065.027+/-0.128 χ^2/NDF: 8012631.0/56

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -200.118+/-408.483 χ^2/NDF: 26.2/30

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -505.077+/-401.559 χ^2/NDF: 27.6/33

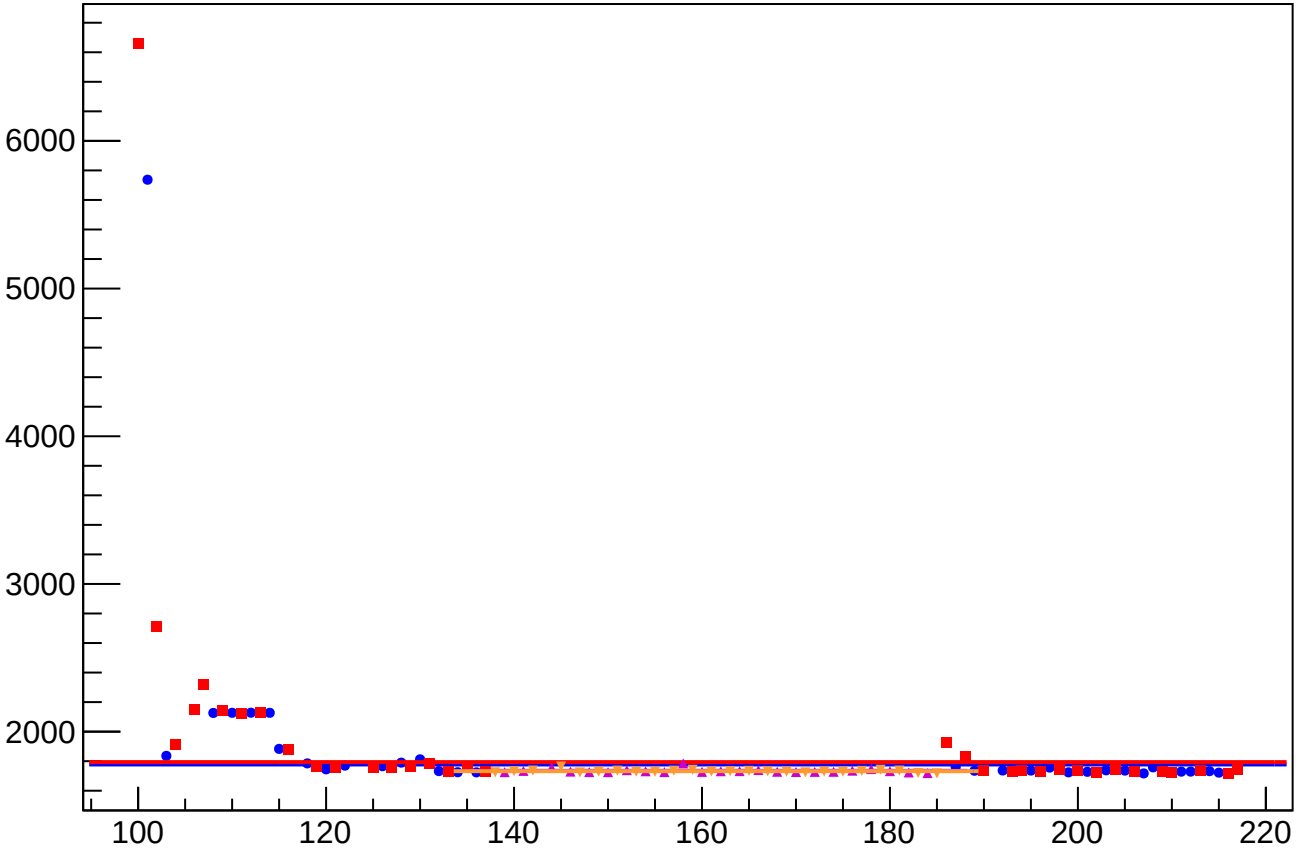
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 152.889+/-286.547 χ^2/NDF: 47.8/54

All: -86.059+/-202.124 χ^2/NDF: 106.7/111

- sign -322.687+/-285.152 χ^2/NDF: 57.6/56

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1777.840+/-0.289 χ^2/NDF: 721583.1/30

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

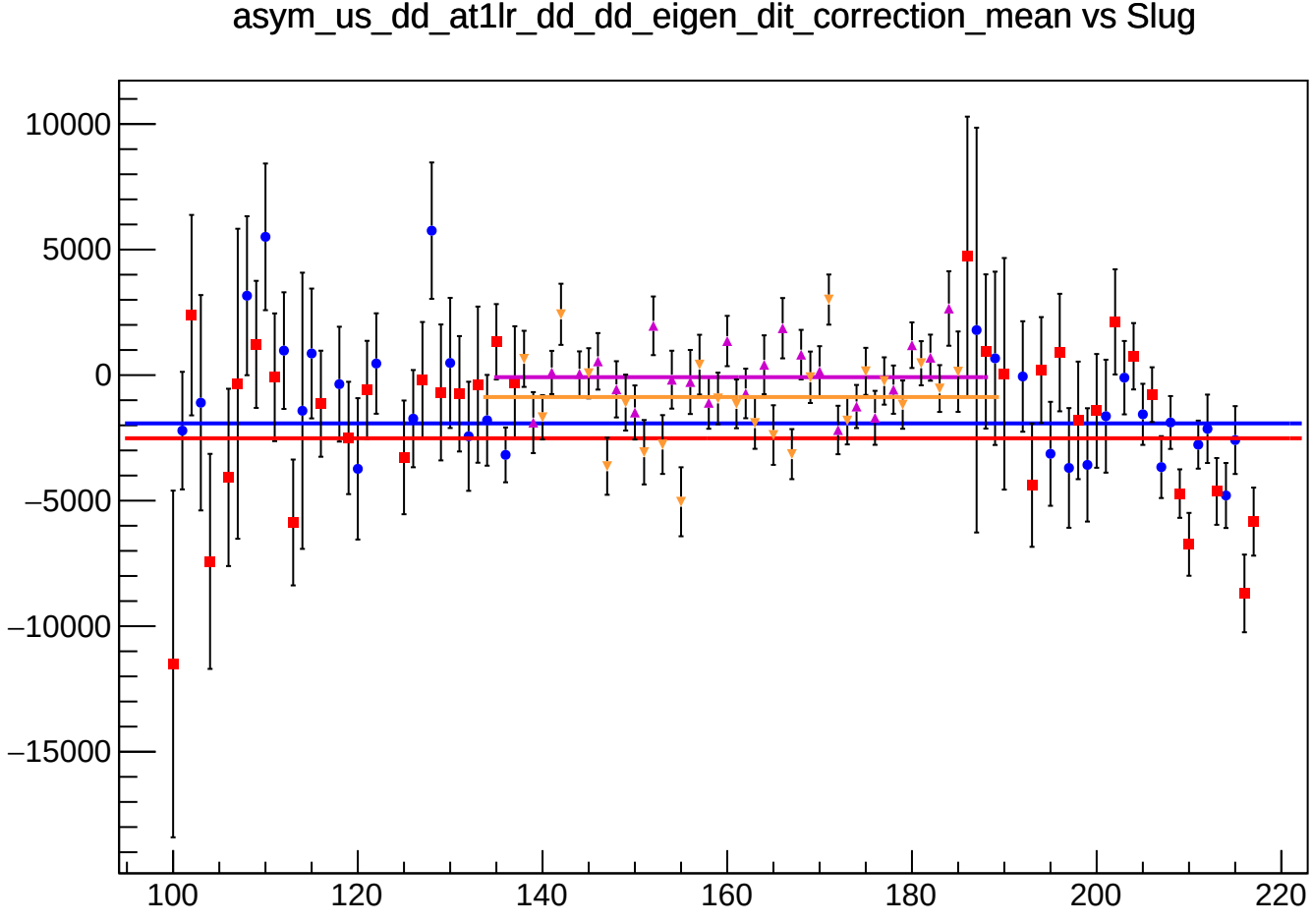
Right Out: 1793.709+/-0.284 χ^2/NDF: 345040.0/33

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1754.755+/-0.203 χ^2/NDF: 735070.5/54

All: 1759.596+/-0.143 χ^2/NDF: 1104968.7/11

- sign 1764.391+/-0.202 χ^2/NDF: 368761.9/56



Right In: -1923.033+/-318.053 χ^2/NDF: 36.9/30

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

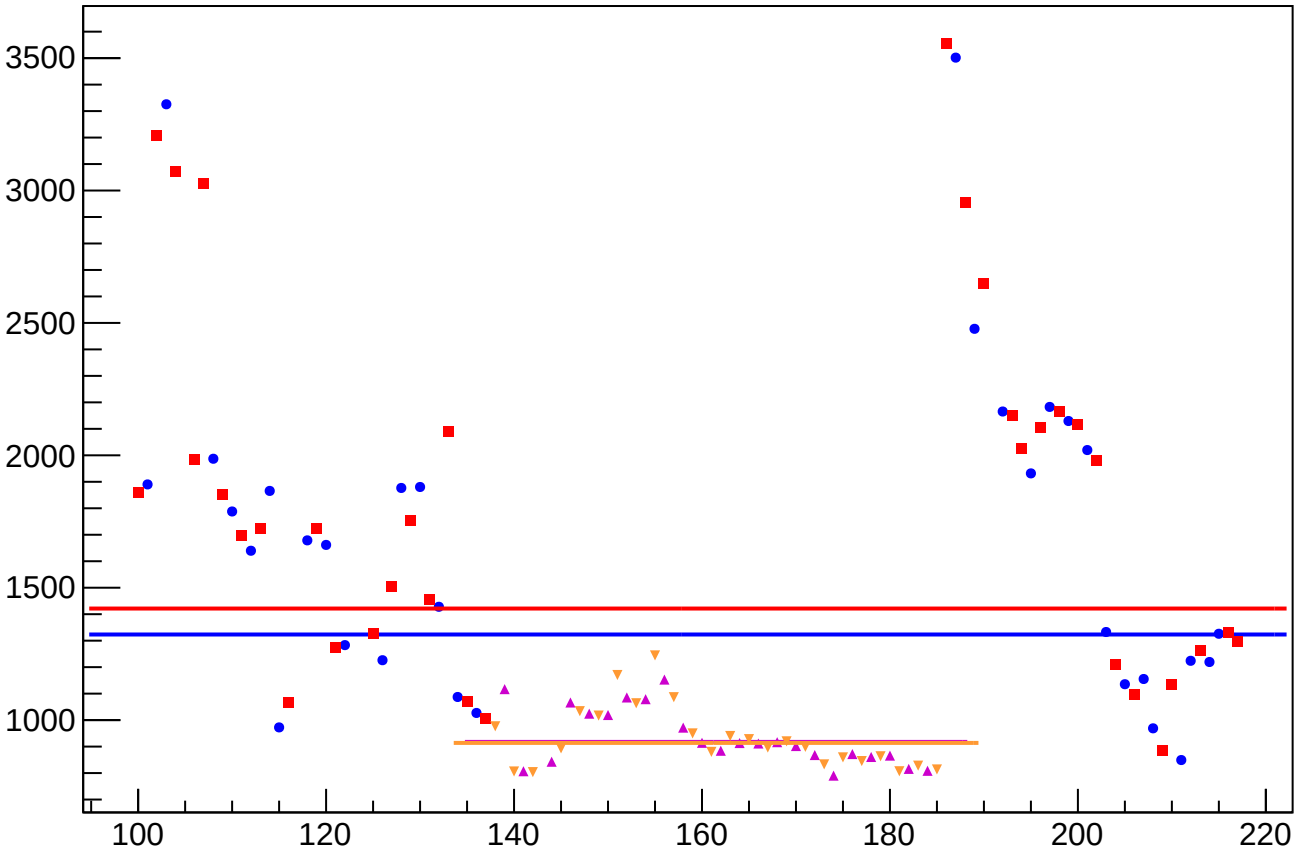
Right Out: -2515.404+/-335.742 χ^2/NDF: 83.9/33

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1200.124+/-177.555 χ^2/NDF: 106.4/54

All: -1001.442+/-126.957 χ^2/NDF: 260.0/111

- sign -793.600+/-181.602 χ^2/NDF: 151.0/56



Right In: 1323.302+/-0.225 χ^2/NDF: 3598663.1/30

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1421.324+/-0.237 χ^2/NDF: 4398226.5/33

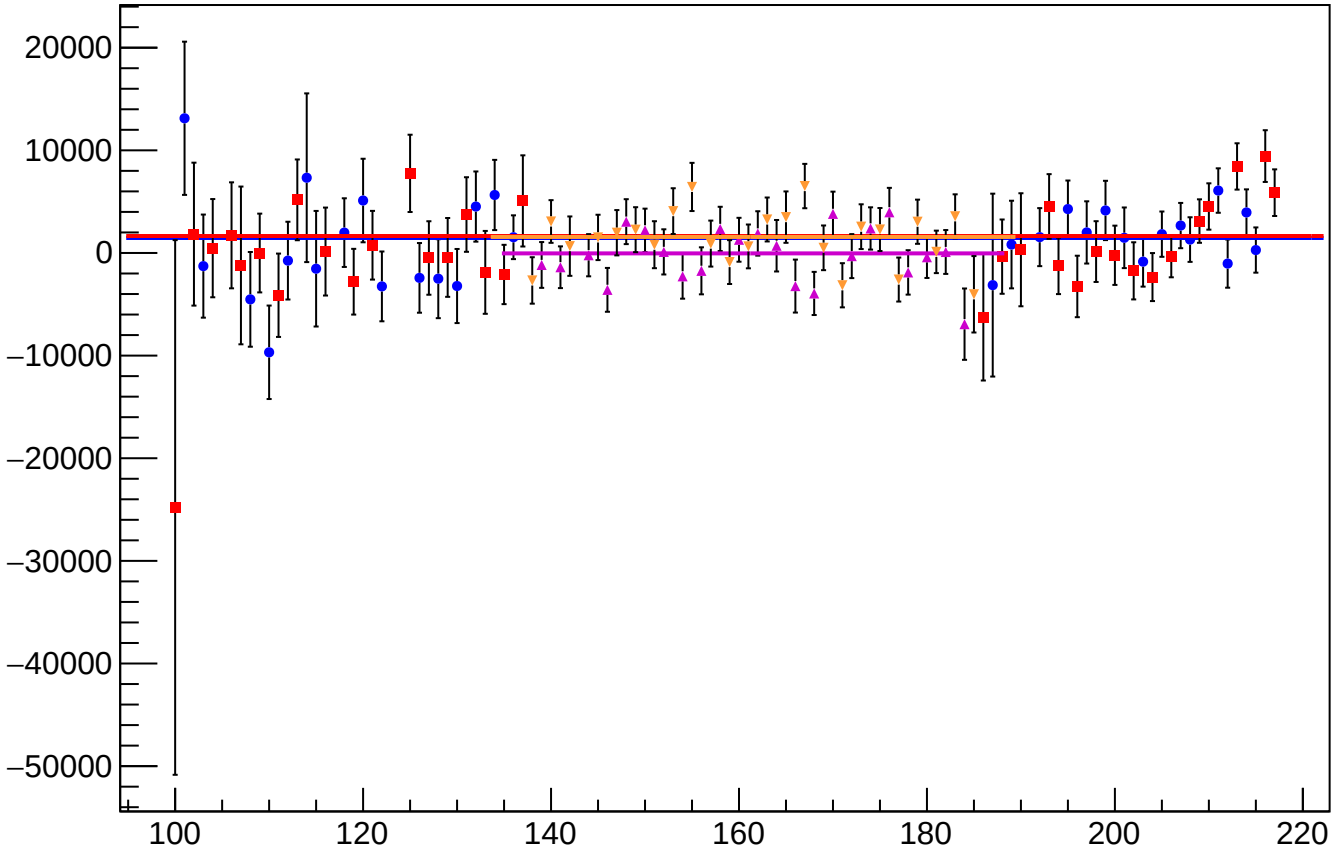
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1041.489+/-0.126 χ^2/NDF: 6342620.3/54

All: 1052.993+/-0.090 χ^2/NDF: 14372435.6/1

- sign 1065.027+/-0.128 χ^2/NDF: 8012638.5/56

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1461.050+/-543.759 χ^2/NDF: 31.3/30

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 1652.304+/-549.687 χ^2/NDF: 49.8/33

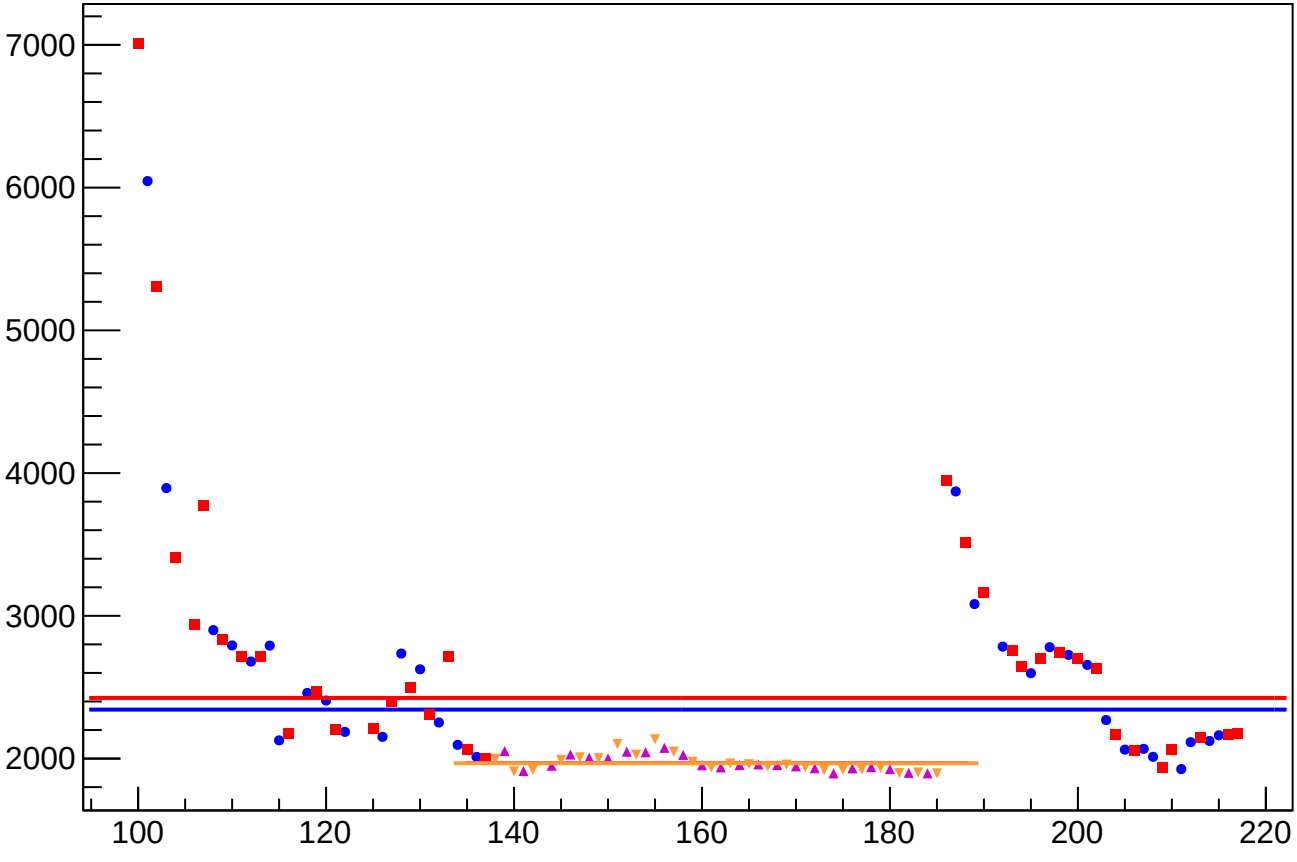
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1519.847+/-349.798 χ^2/NDF: 62.5/54

All: 1092.025+/-248.380 χ^2/NDF: 148.8/111

- sign 656.963+/-352.745 χ^2/NDF: 83.2/56

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2343.118+/-0.384 χ^2/NDF: 1383662.6/30

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

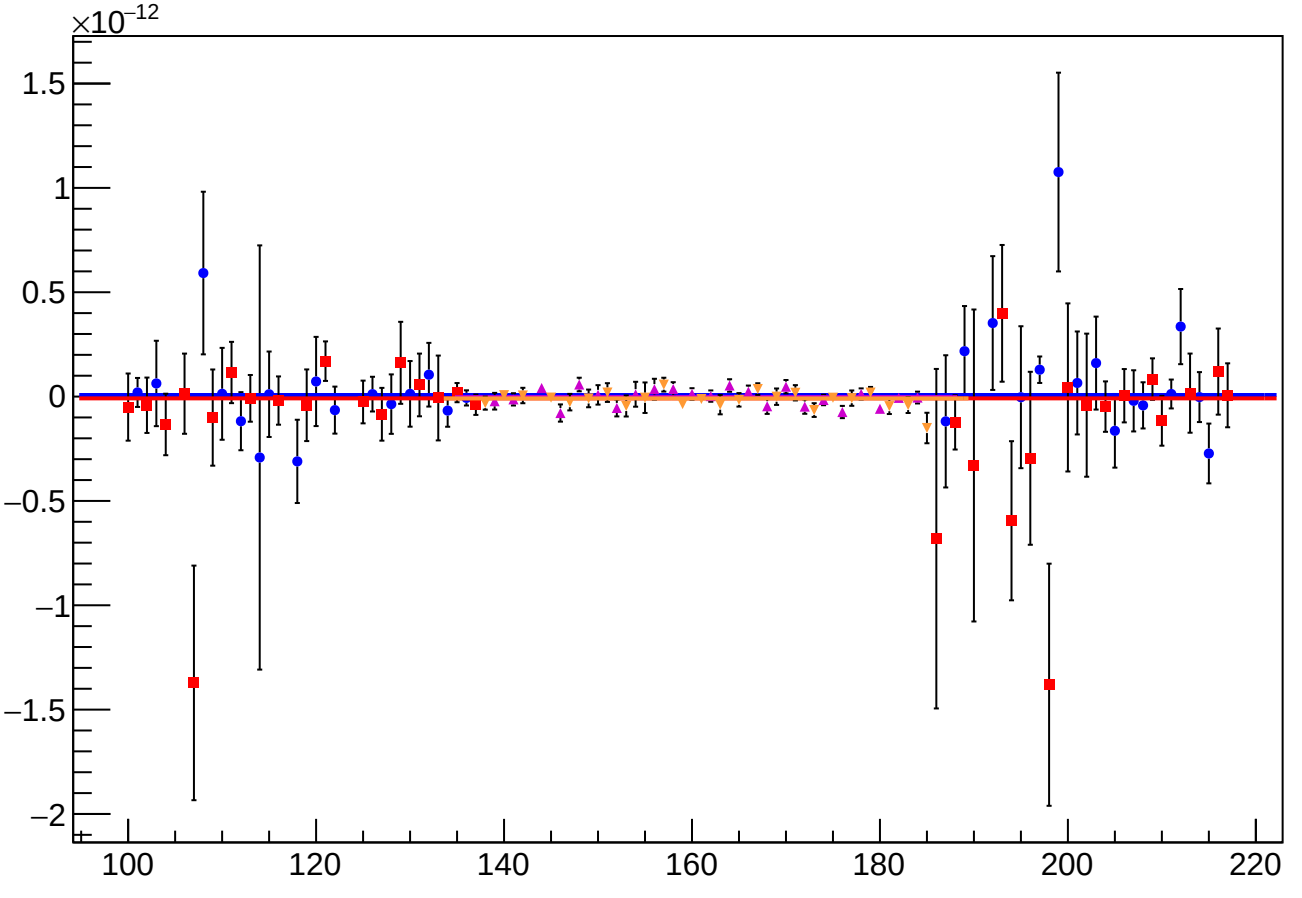
Right Out: 2424.773+/-0.389 χ^2/NDF: 1462785.4/33

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2122.892+/-0.247 χ^2/NDF: 1977547.8/54

All: 2139.655+/-0.176 χ^2/NDF: 4284800.6/11

- sign 2156.702+/-0.249 χ^2/NDF: 2297989.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

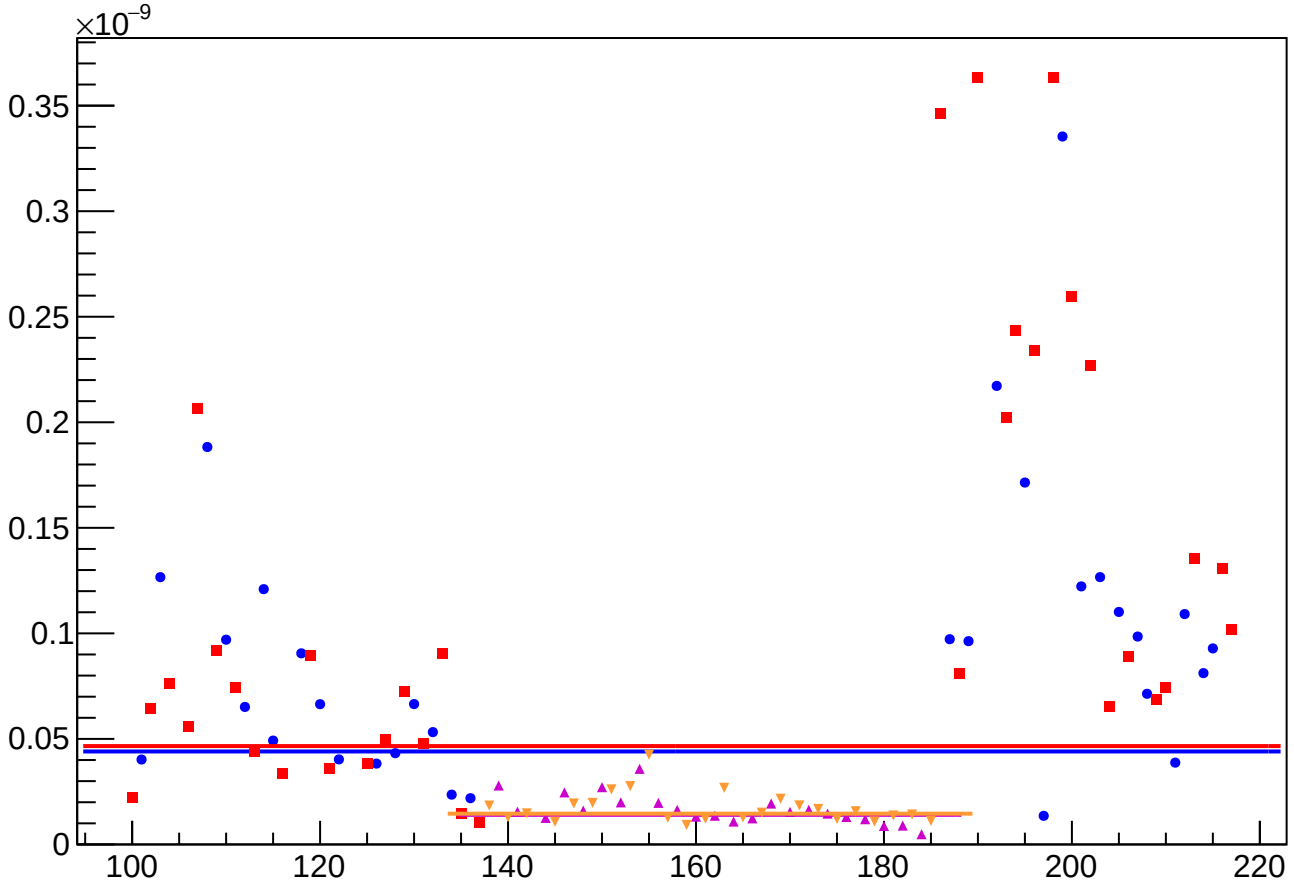
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/33

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.1/54

All: -0.000+/-0.000 χ^2/NDF: 115.4/111

- sign -0.000+/-0.000 χ^2/NDF: 66.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 5951644.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

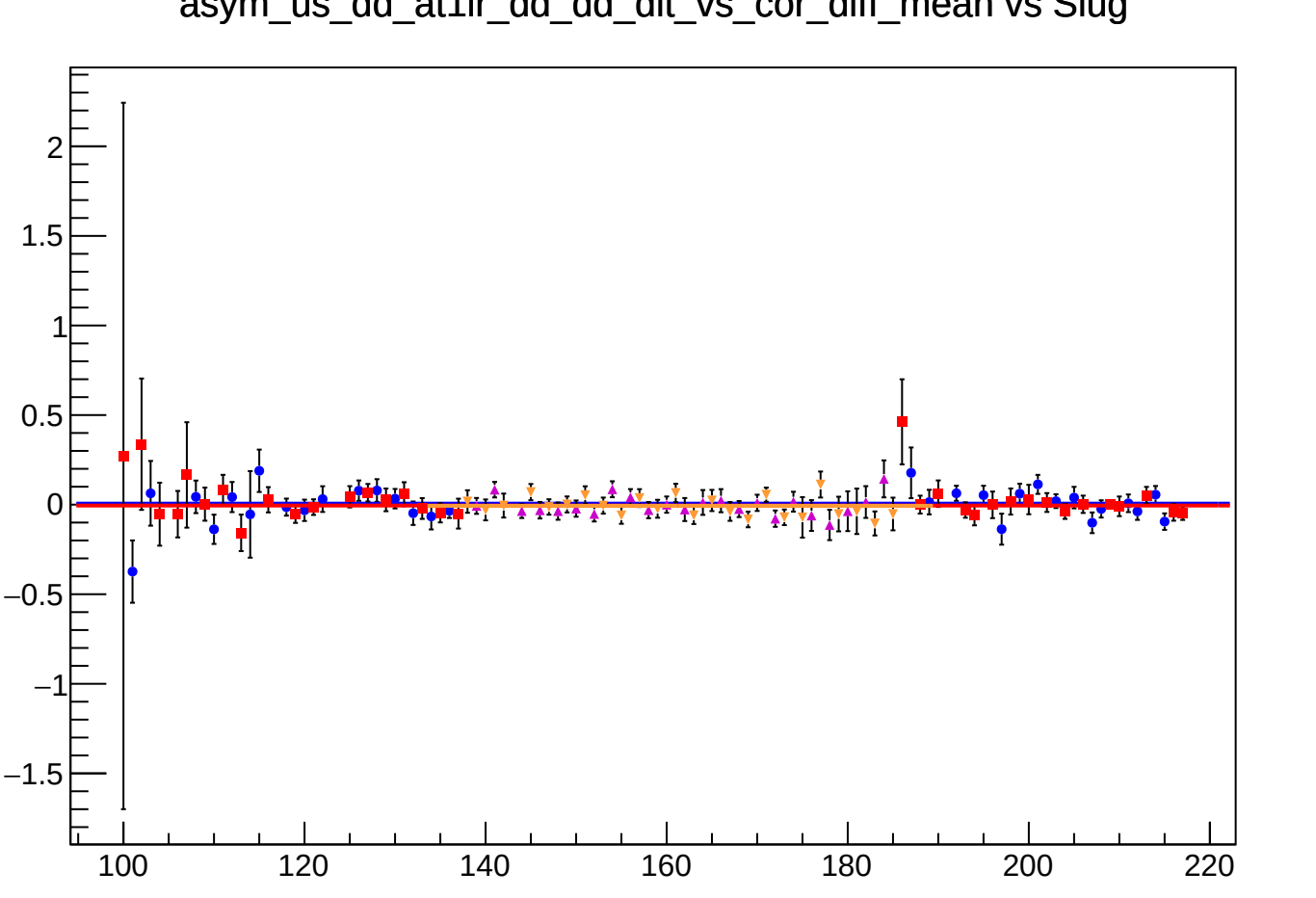
Right Out: 0.000+/-0.000 χ^2/NDF: 8229267.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11092477.0/54

All: 0.000+/-0.000 χ^2/NDF: 25027342.4/111

- sign 0.000+/-0.000 χ^2/NDF: 13919853.3/56



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

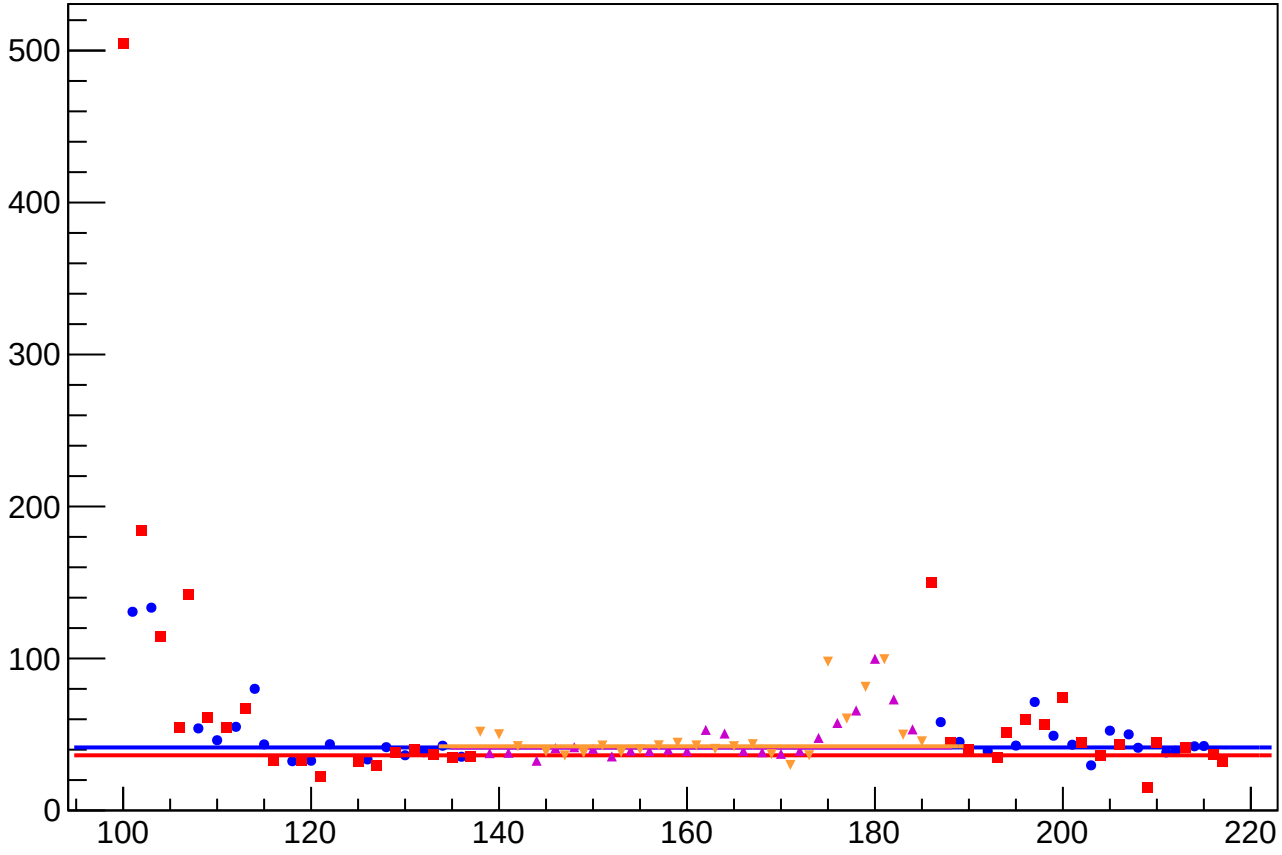
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.000+/-0.008 χ^2/NDF: 64.8/54

All: -0.003+/-0.005 χ^2/NDF: 106.5/111

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.459+/-0.008 χ^2/NDF: 2053309.6/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

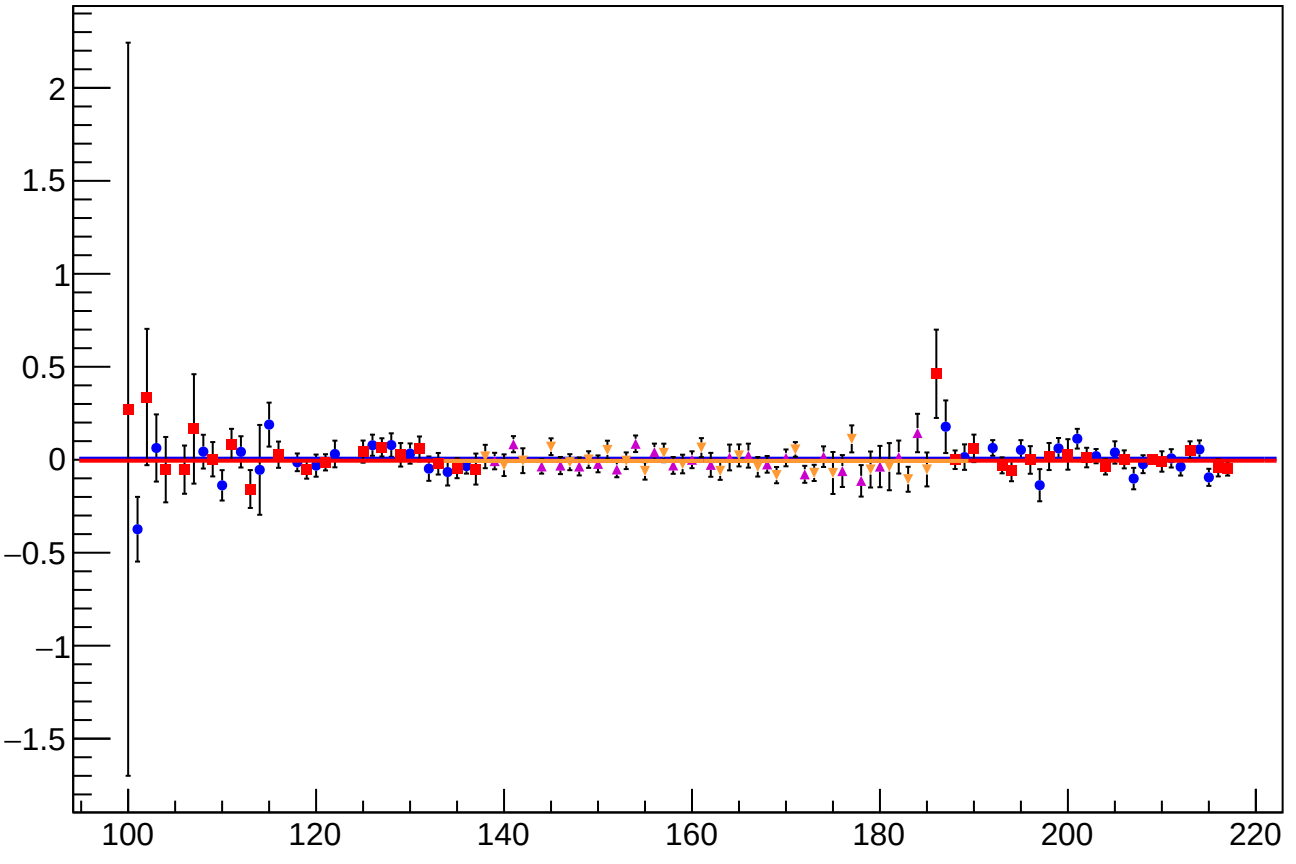
Right Out: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.823+/-0.005 χ^2/NDF: 3877521.1/54

All: 40.133+/-0.004 χ^2/NDF: 10650807.2/11

- sign 38.609+/-0.005 χ^2/NDF: 6585921.7/56



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

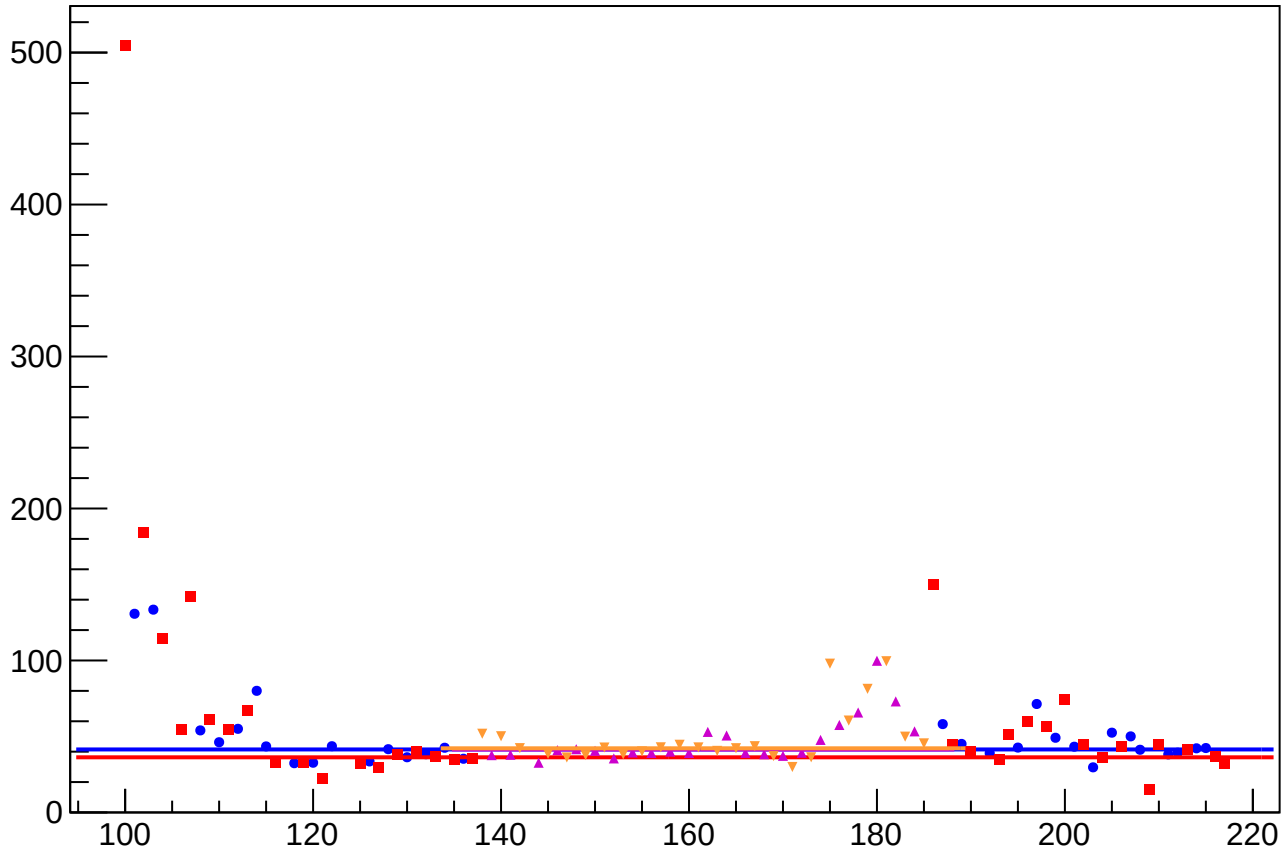
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.000+/-0.008 χ^2/NDF: 64.8/54

All: -0.003+/-0.005 χ^2/NDF: 106.5/111

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.459+/-0.008 χ^2/NDF: 2053309.6/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

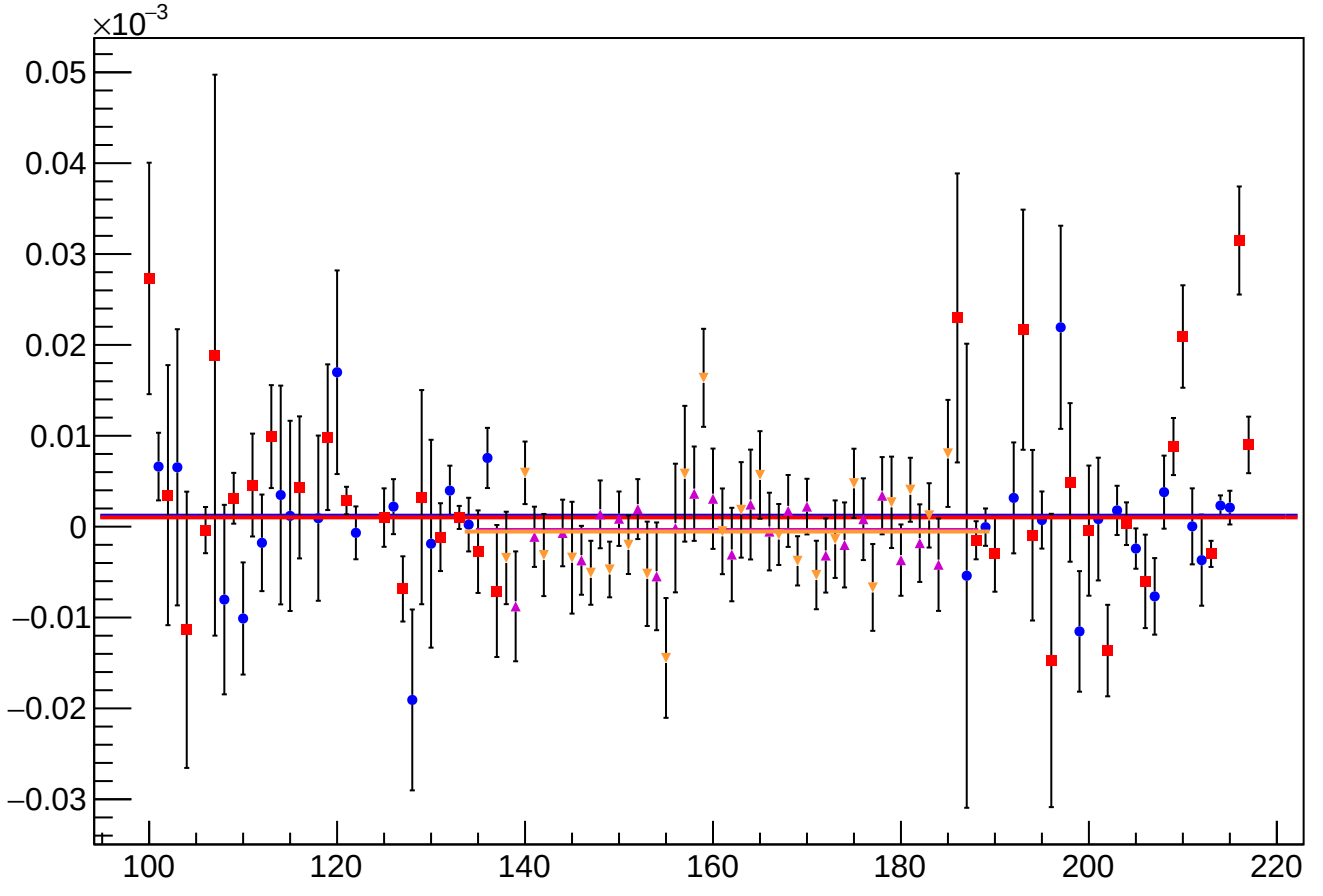
Right Out: 36.282+/-0.007 χ^2/NDF: 4923434.1/33

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.823+/-0.005 χ^2/NDF: 3877521.1/54

All: 40.133+/-0.004 χ^2/NDF: 10650807.2/11

- sign 38.609+/-0.005 χ^2/NDF: 6585921.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 35.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

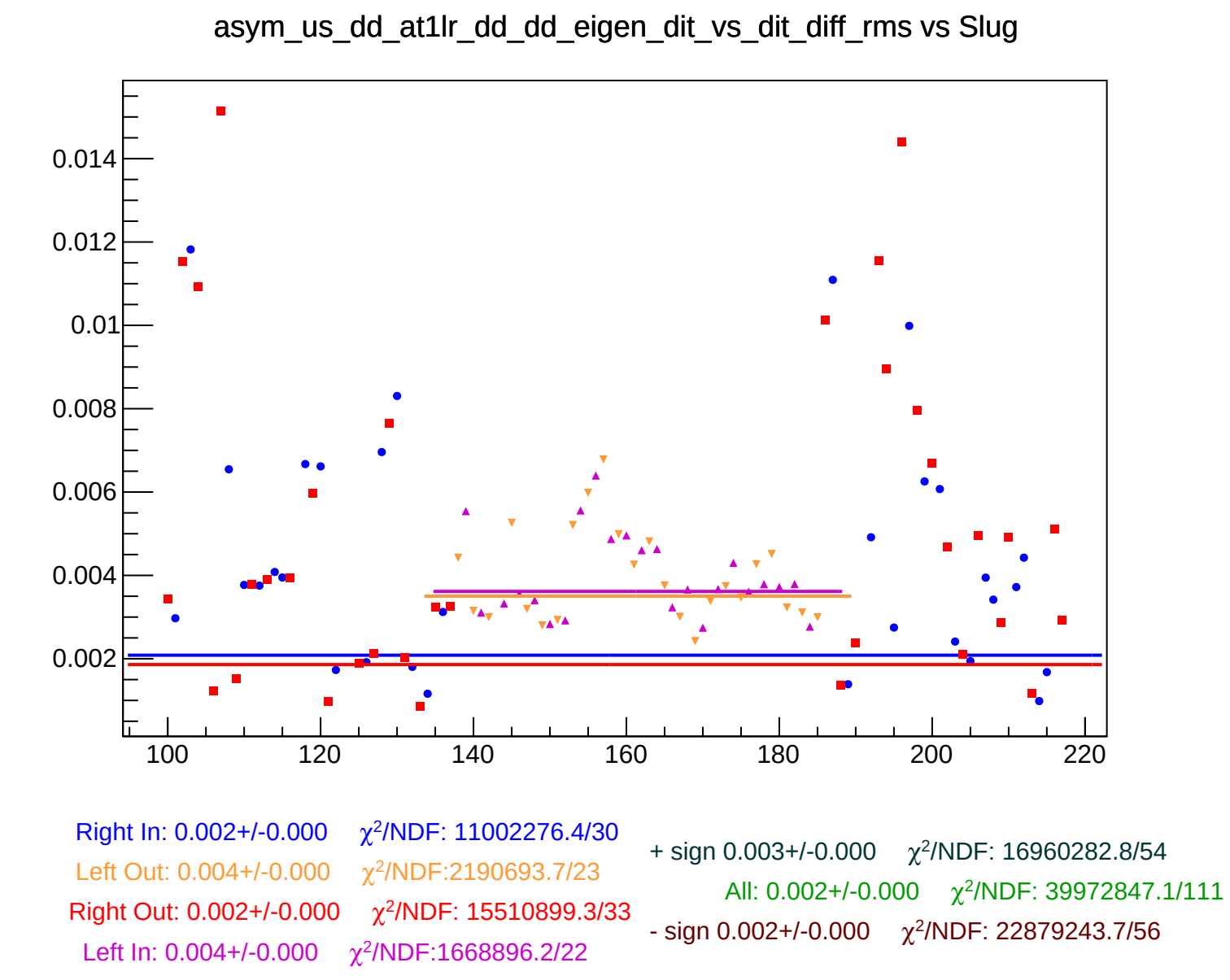
Right Out: 0.000+/-0.000 χ^2/NDF: 96.7/33

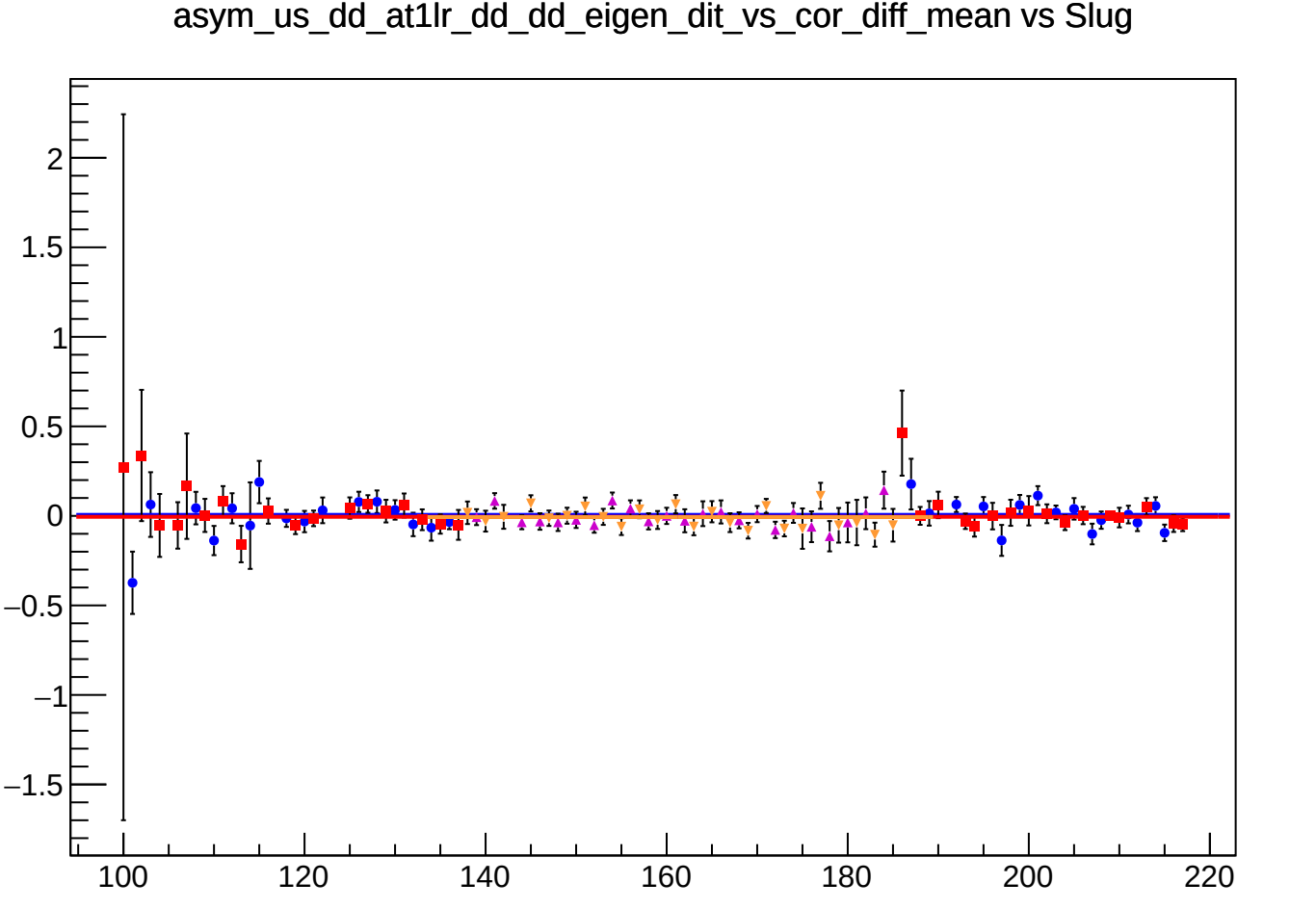
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.4/54

All: 0.000+/-0.000 χ^2/NDF: 183.6/111

- sign 0.000+/-0.000 χ^2/NDF: 108.1/56


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 11002276.4/30
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 15510899.3/33
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
+ sign 0.003+/-0.000 χ²/NDF: 16960282.8/54
All: 0.002+/-0.000 χ²/NDF: 39972847.1/111
- sign 0.002+/-0.000 χ²/NDF: 22879243.7/56



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

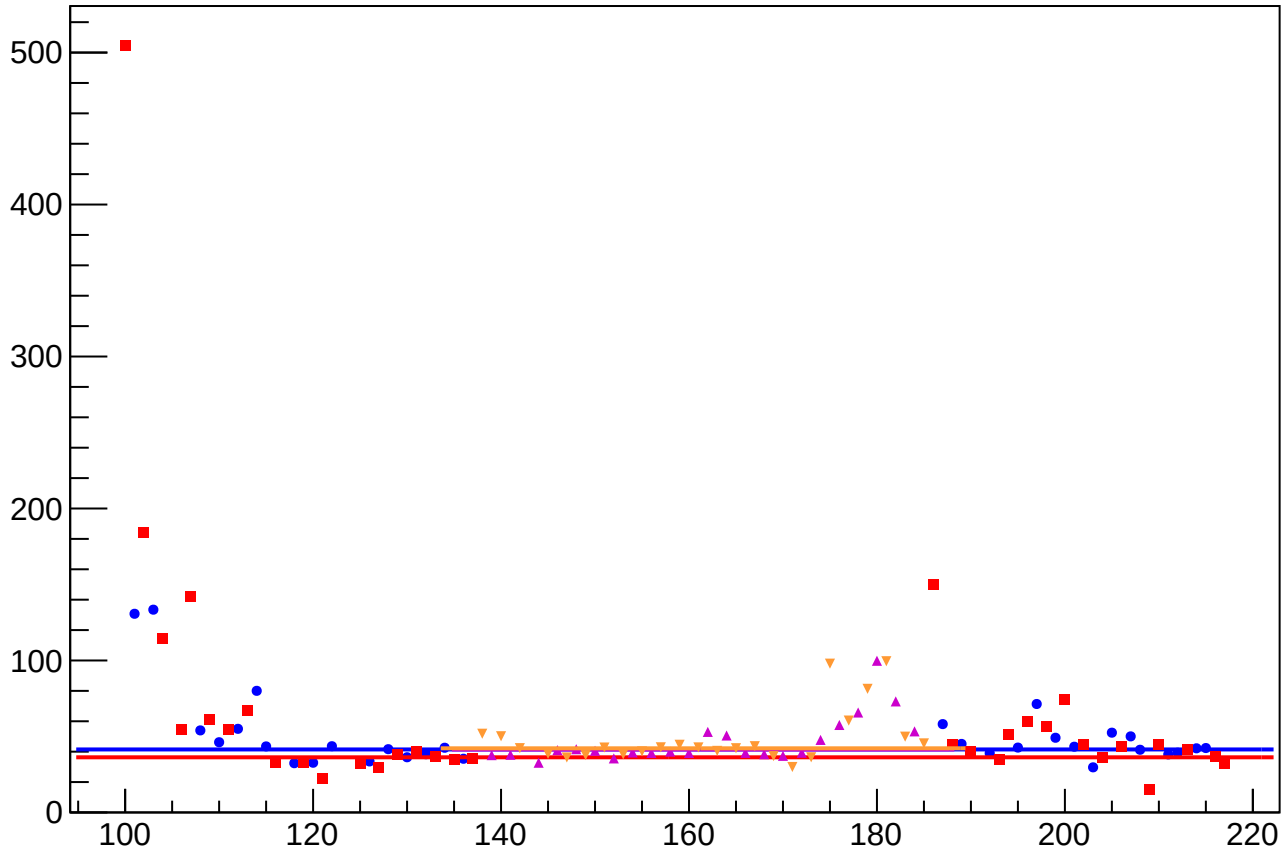
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.000+/-0.008 χ^2/NDF: 64.8/54

All: -0.003+/-0.005 χ^2/NDF: 106.5/111

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.459+/-0.008 χ^2/NDF: 2053224.4/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

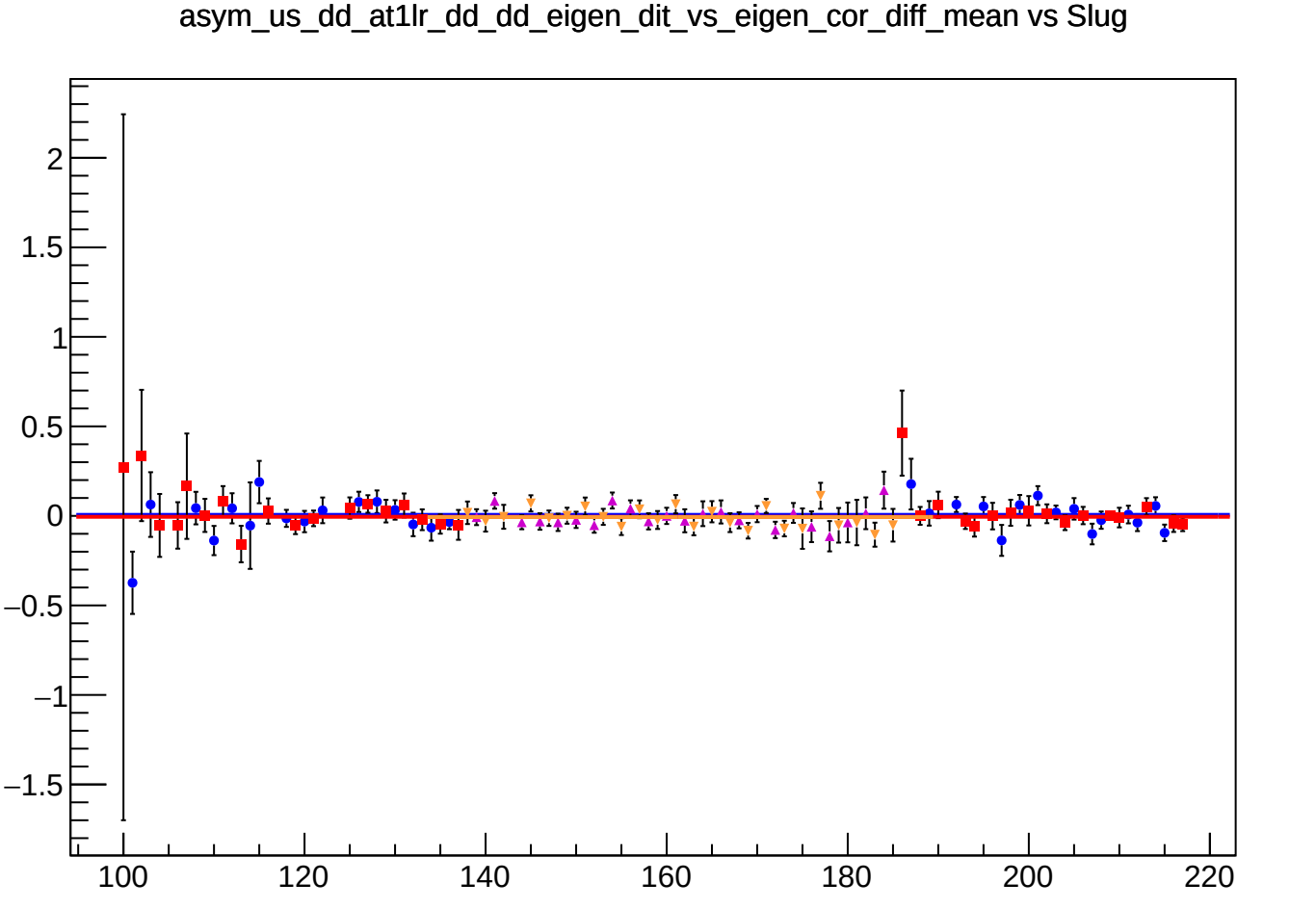
Right Out: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.823+/-0.005 χ^2/NDF: 3877436.4/54

All: 40.134+/-0.004 χ^2/NDF: 10647567.1/111

- sign 38.611+/-0.005 χ^2/NDF: 6583008.4/56



Right In: 0.006+/-0.011 χ^2/NDF: 40.2/30

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

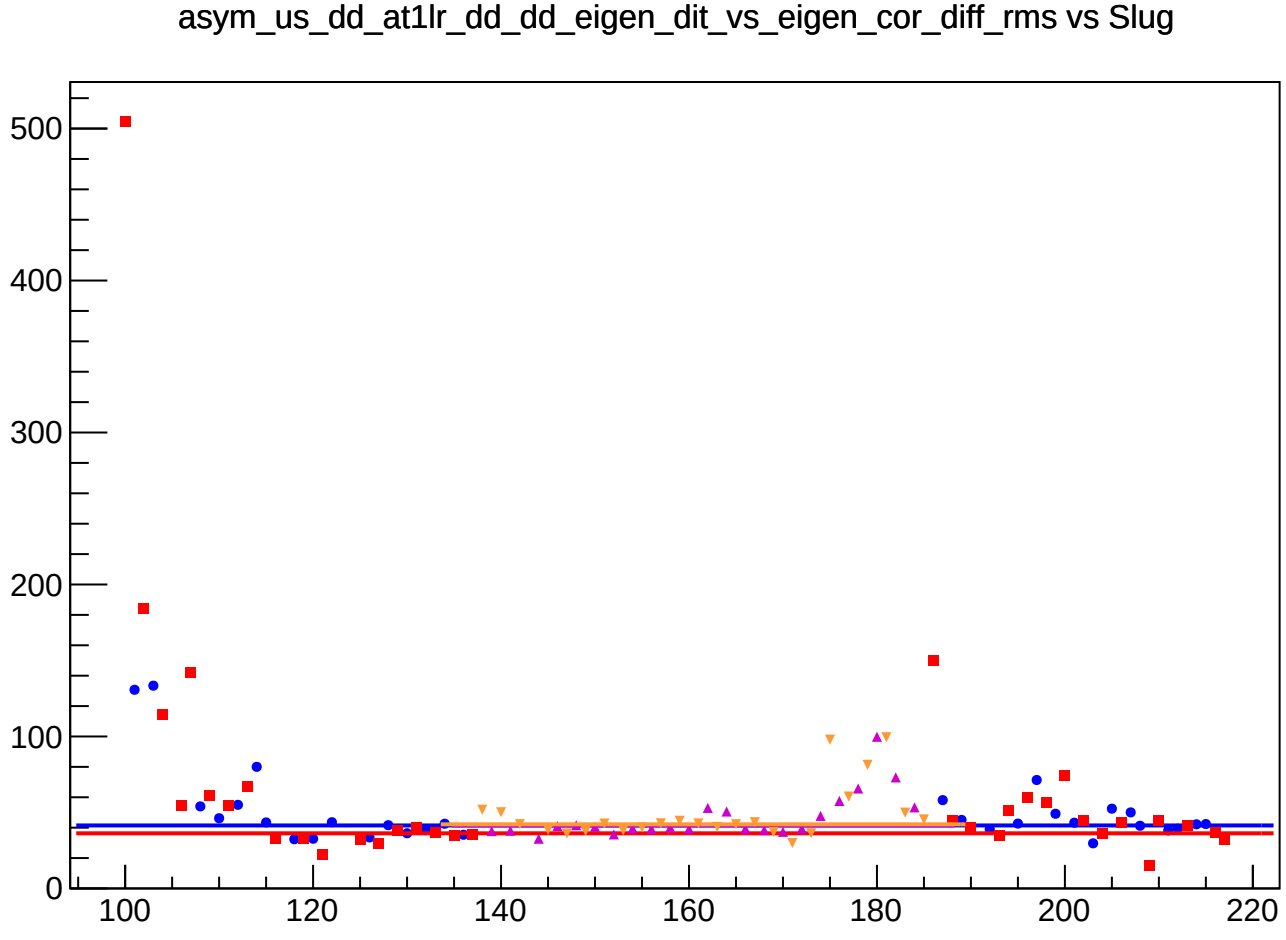
Right Out: -0.005+/-0.010 χ^2/NDF: 21.3/33

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign -0.000+/-0.008 χ^2/NDF: 64.8/54

All: -0.003+/-0.005 χ^2/NDF: 106.5/111

- sign -0.006+/-0.007 χ^2/NDF: 41.4/56



Right In: 41.459+/-0.008 χ^2/NDF: 2053224.4/30

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

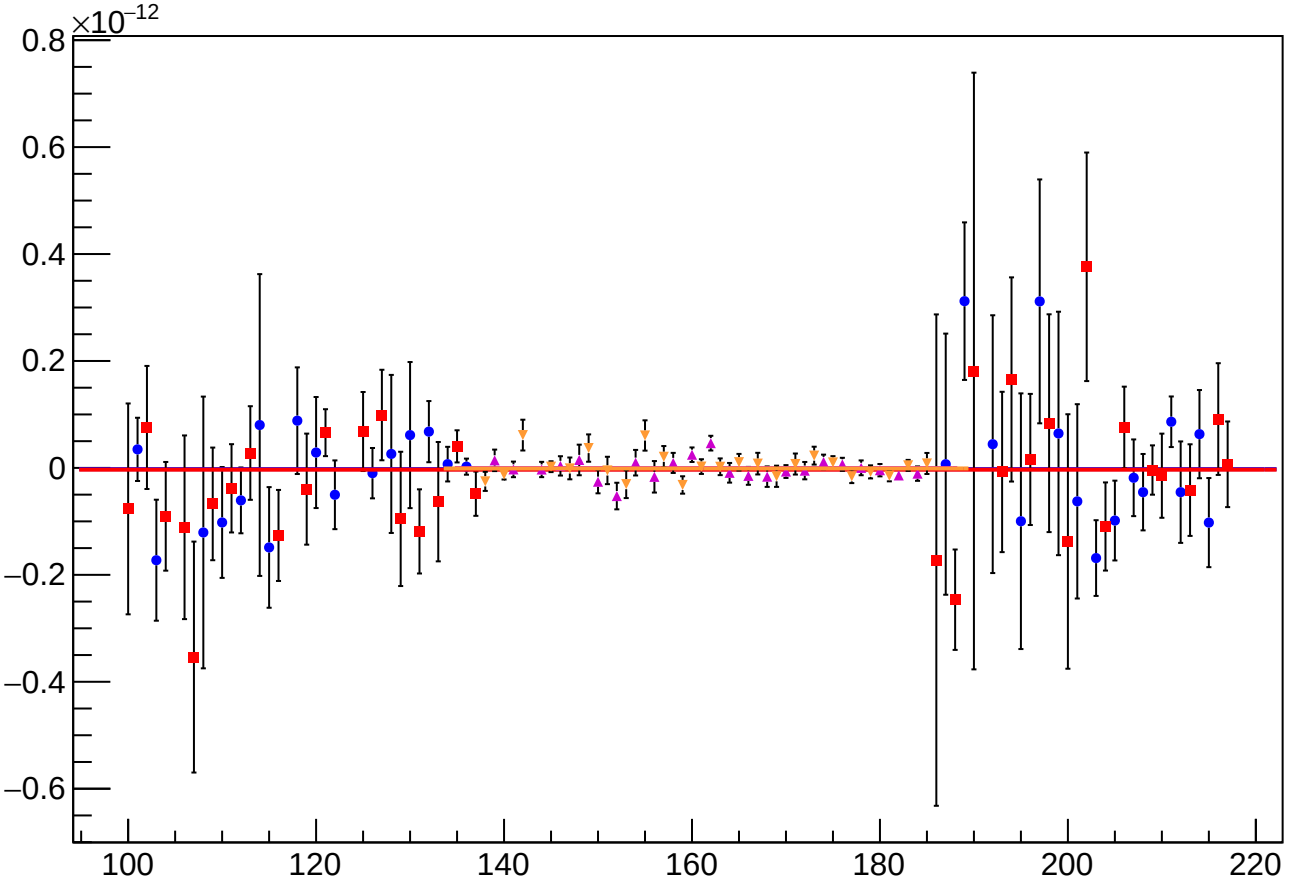
Right Out: 36.286+/-0.007 χ^2/NDF: 4920955.8/33

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.823+/-0.005 χ^2/NDF: 3877436.4/54

All: 40.134+/-0.004 χ^2/NDF: 10647567.1/111

- sign 38.611+/-0.005 χ^2/NDF: 6583008.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

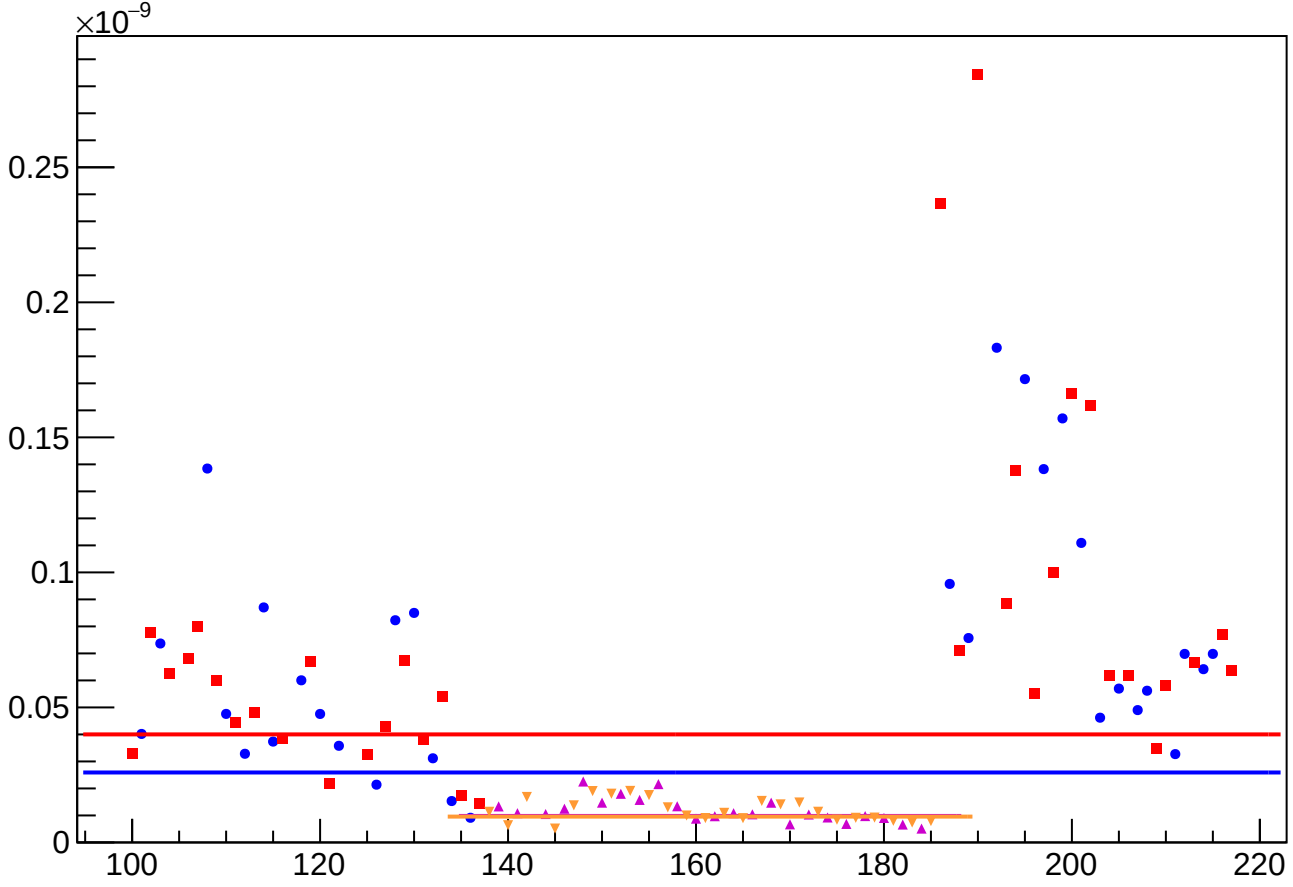
Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/33

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/54

All: -0.000+/-0.000 χ^2/NDF: 121.6/111

- sign -0.000+/-0.000 χ^2/NDF: 62.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 10961222.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

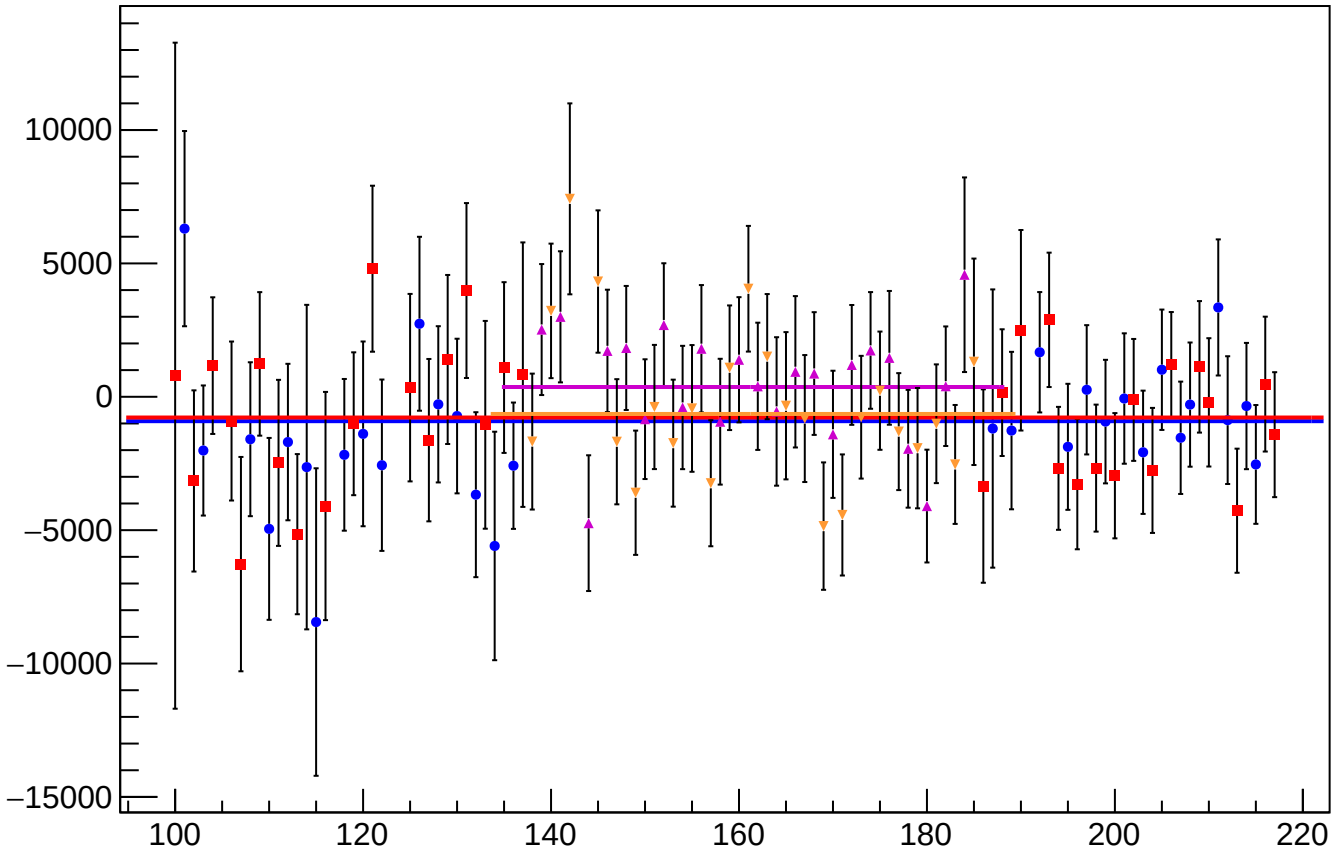
Right Out: 0.000+/-0.000 χ^2/NDF: 7243330.8/33

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17955641.0/54

All: 0.000+/-0.000 χ^2/NDF: 36723737.1/111

- sign 0.000+/-0.000 χ^2/NDF: 18742761.6/56



Right In: -914.343+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -777.117+/-479.889 χ^2/NDF: 24.8/33

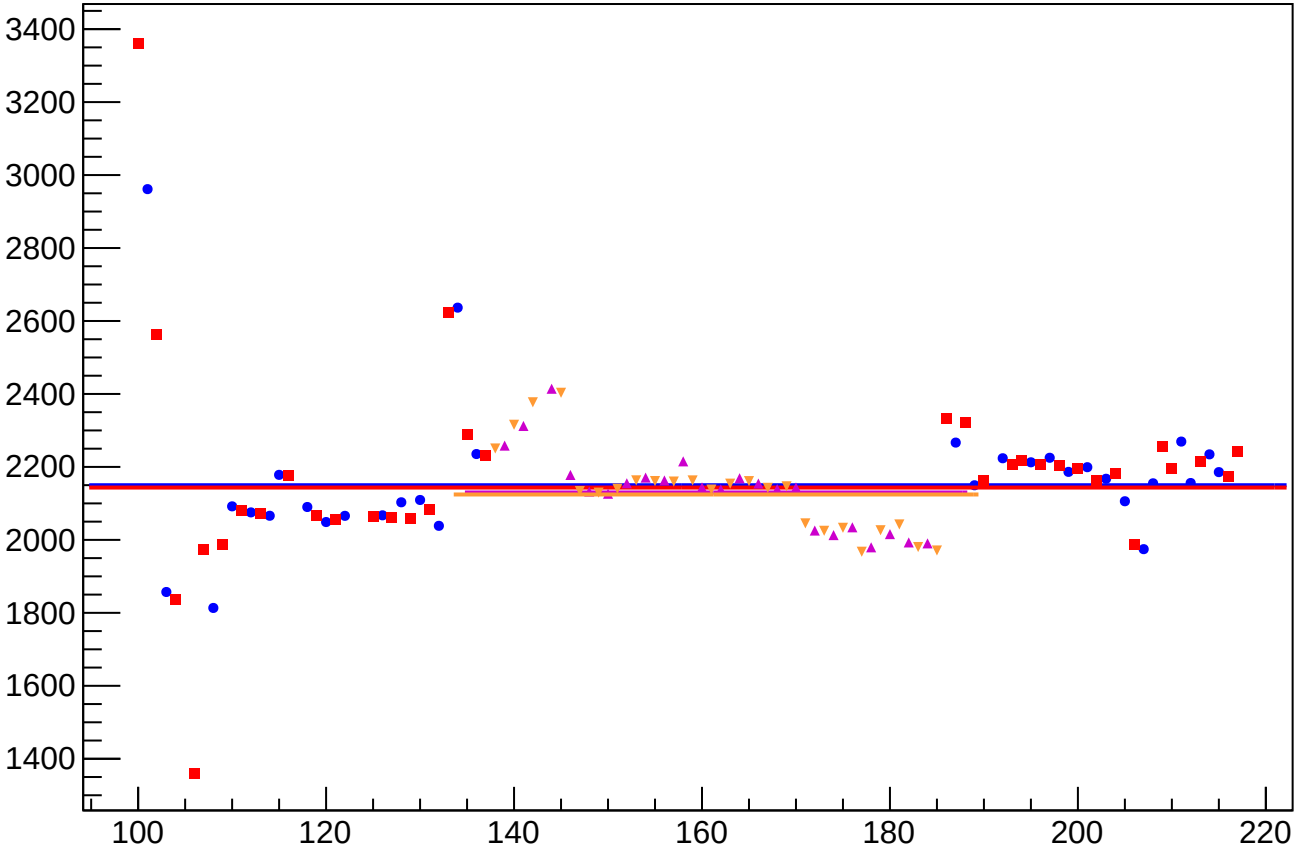
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -779.797+/-348.155 χ^2/NDF: 45.3/54

All: -500.917+/-245.247 χ^2/NDF: 91.4/111

- sign -226.237+/-345.524 χ^2/NDF: 44.8/56

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2149.828+/-0.347 χ^2/NDF: 223877.9/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

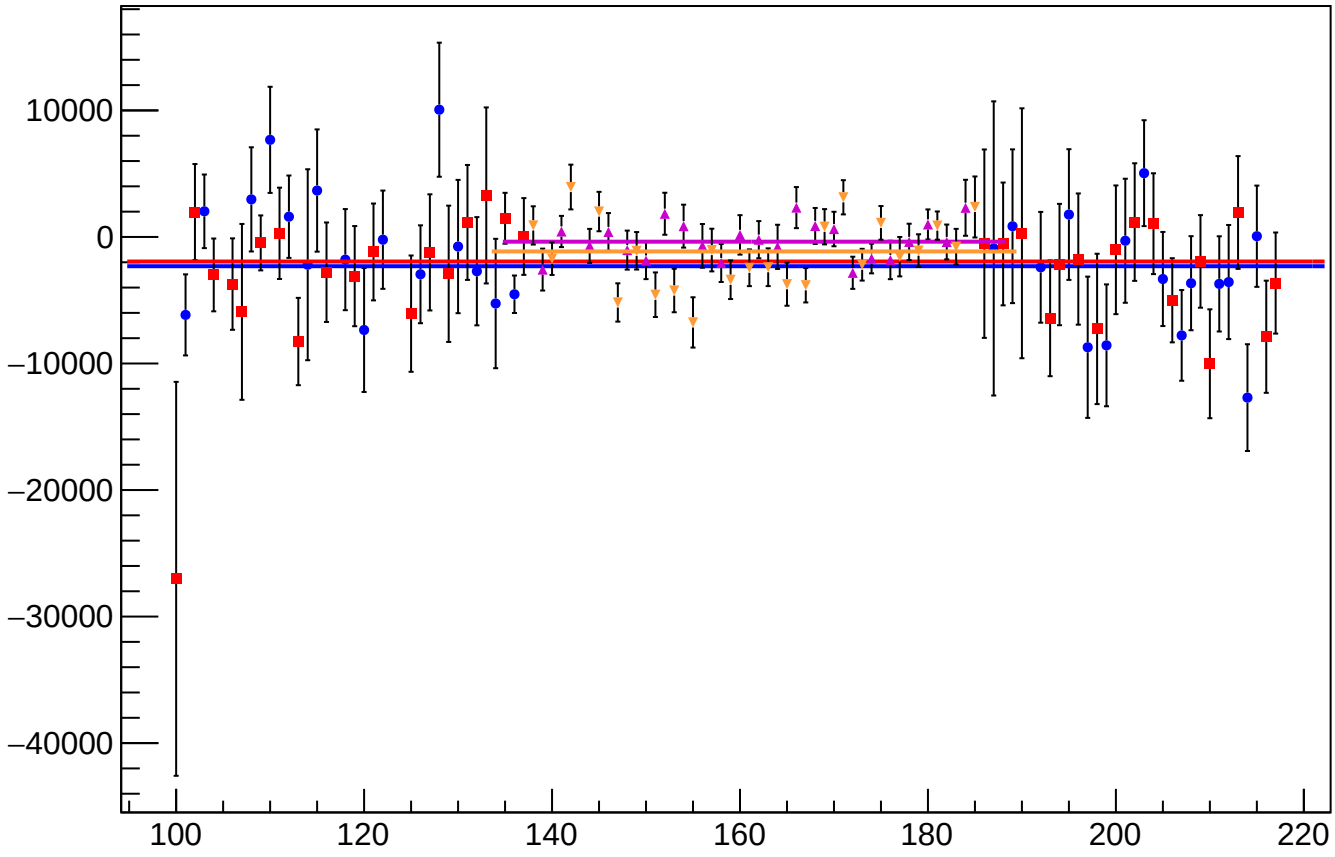
Right Out: 2143.447+/-0.339 χ^2/NDF: 319337.8/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2137.200+/-0.246 χ^2/NDF: 315721.3/54

All: 2137.060+/-0.173 χ^2/NDF: 721182.1/111

- sign 2136.921+/-0.244 χ^2/NDF: 405460.2/56



Right In: -2313.070+/-689.460 χ^2/NDF: 39.8/30

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

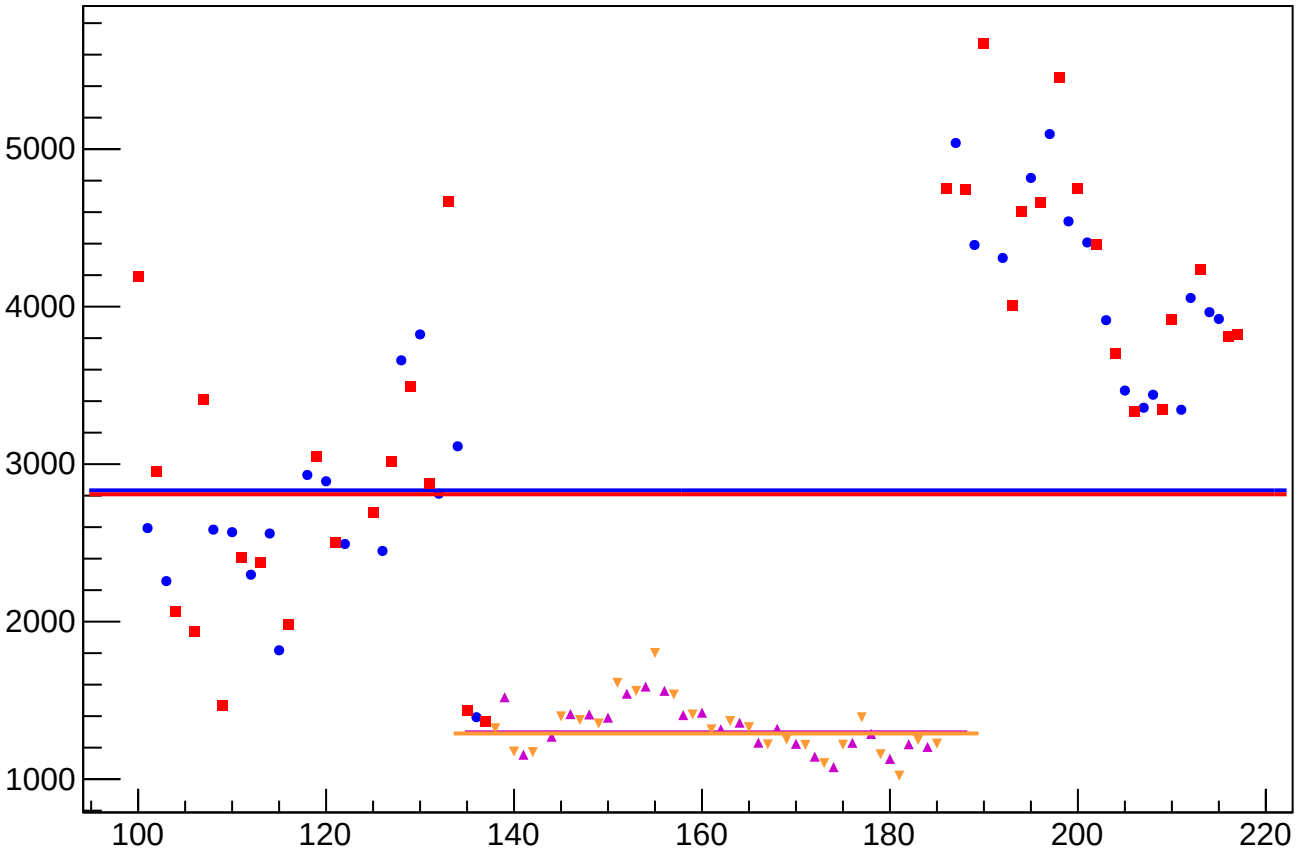
Right Out: -1940.867+/-678.139 χ^2/NDF: 24.0/33

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1333.391+/-277.001 χ^2/NDF: 109.7/54

All: -987.302+/-196.379 χ^2/NDF: 161.6/111

- sign -637.589+/-278.448 χ^2/NDF: 48.8/56



Right In: 2833.401+/-0.488 χ^2/NDF: 4579287.6/30

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2808.493+/-0.480 χ^2/NDF: 5750026.5/33

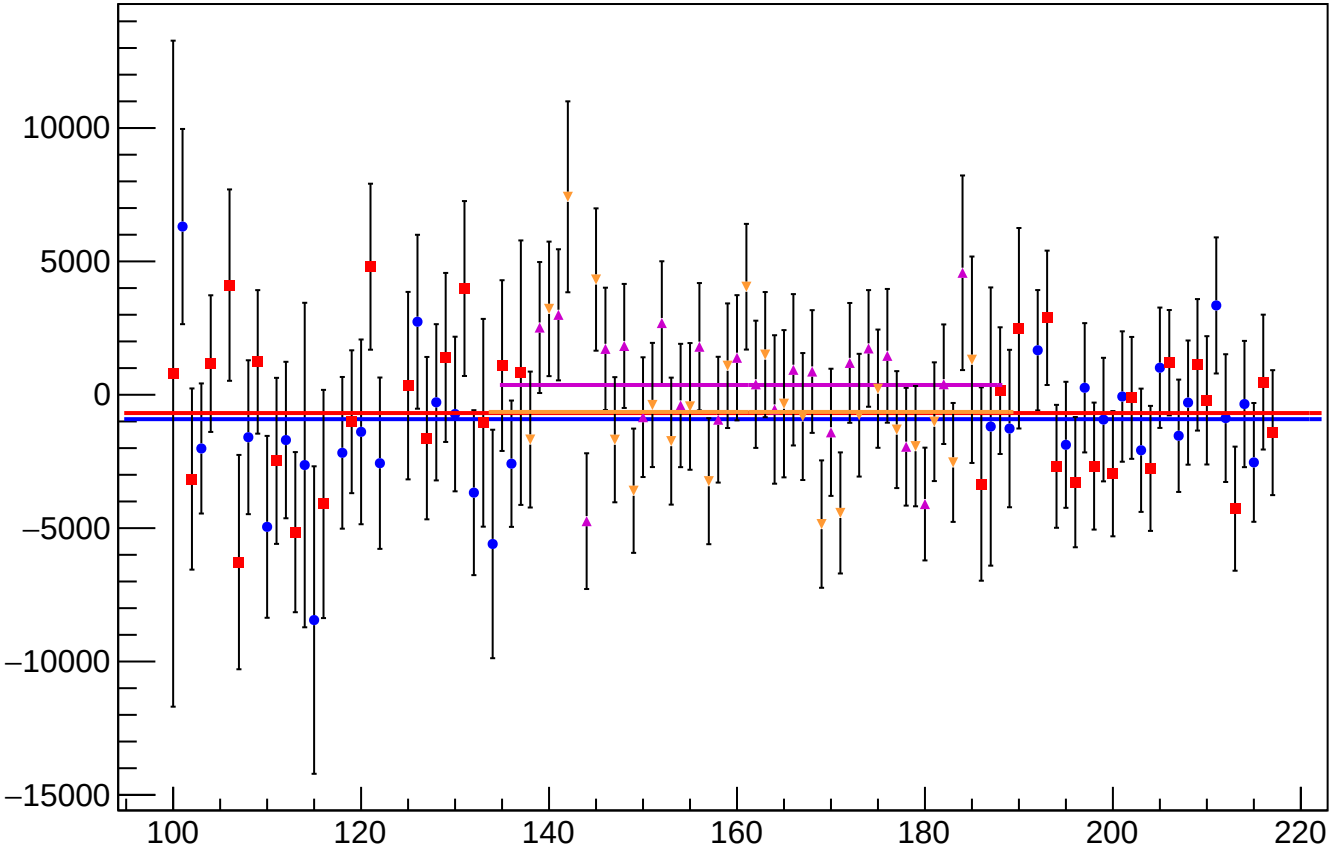
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1539.153+/-0.196 χ^2/NDF: 13551505.3/54

All: 1545.648+/-0.139 χ^2/NDF: 27993461.7/1

- sign 1552.211+/-0.197 χ^2/NDF: 14439746.0/56

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -914.384+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -685.594+/-481.830 χ^2/NDF: 26.6/33

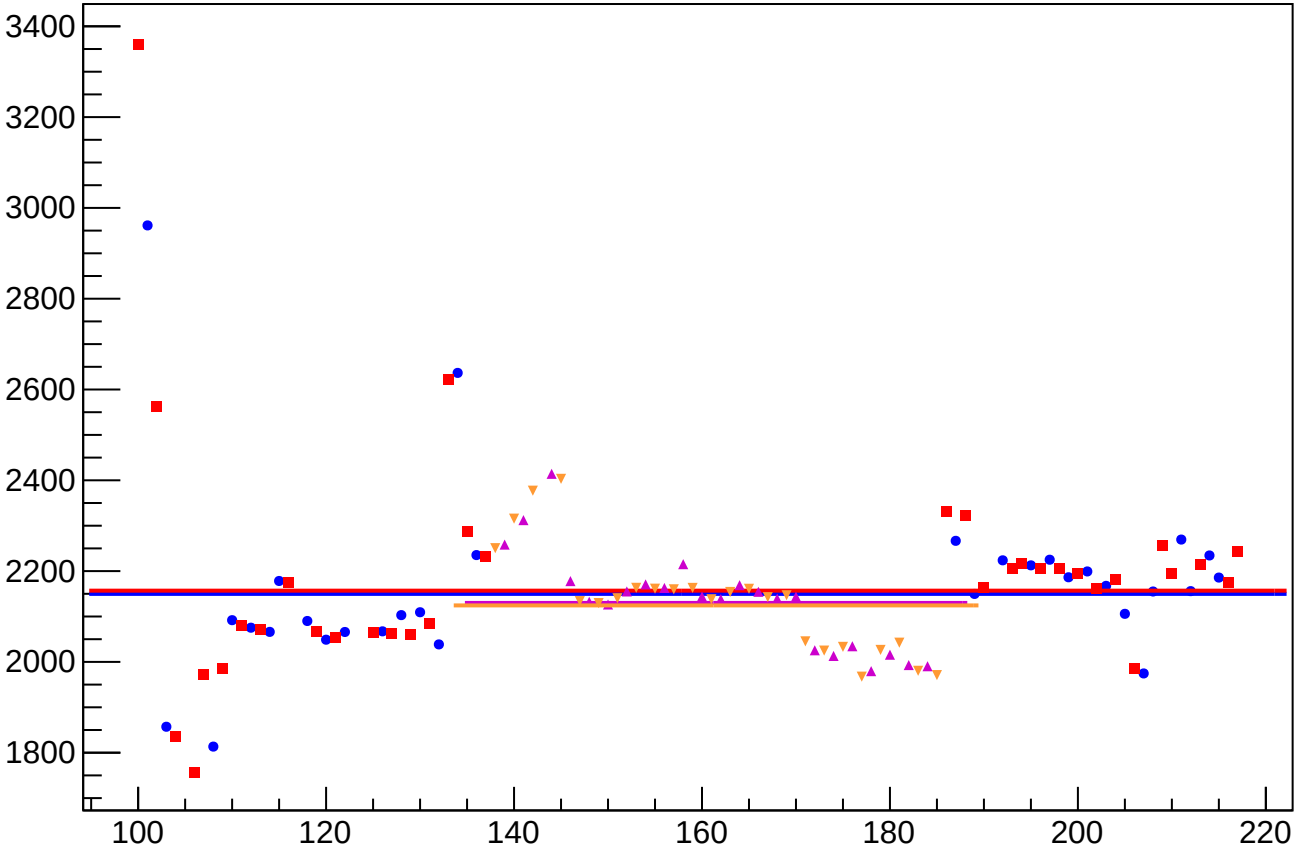
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -779.749+/-348.155 χ^2/NDF: 45.3/54

All: -476.578+/-245.505 χ^2/NDF: 93.0/111

- sign -176.723+/-346.246 χ^2/NDF: 46.2/56

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2149.828+/-0.347 χ^2/NDF: 223878.3/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

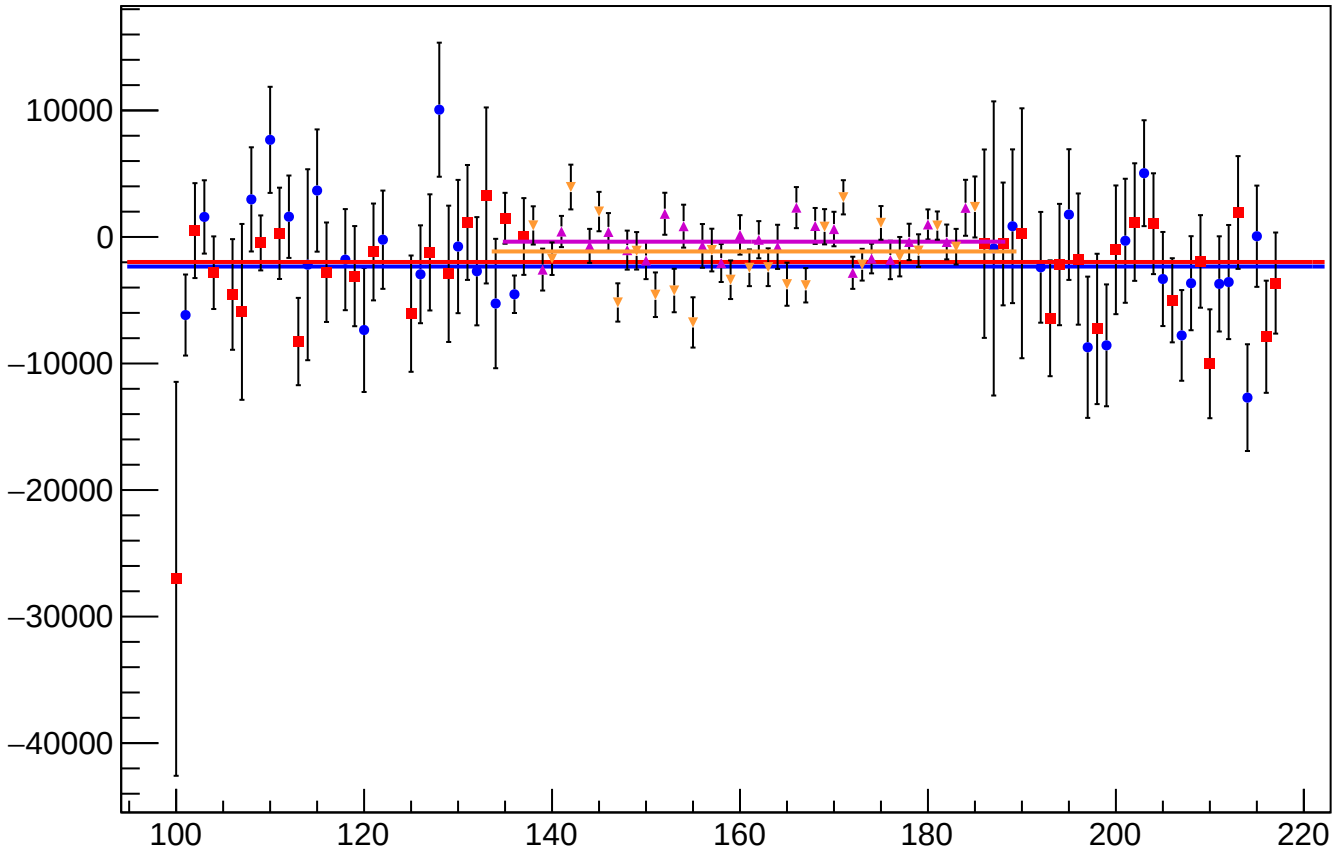
Right Out: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2137.200+/-0.246 χ^2/NDF: 315721.6/54

All: 2140.544+/-0.174 χ^2/NDF: 607650.6/11

- sign 2143.851+/-0.245 χ^2/NDF: 291562.1/56



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

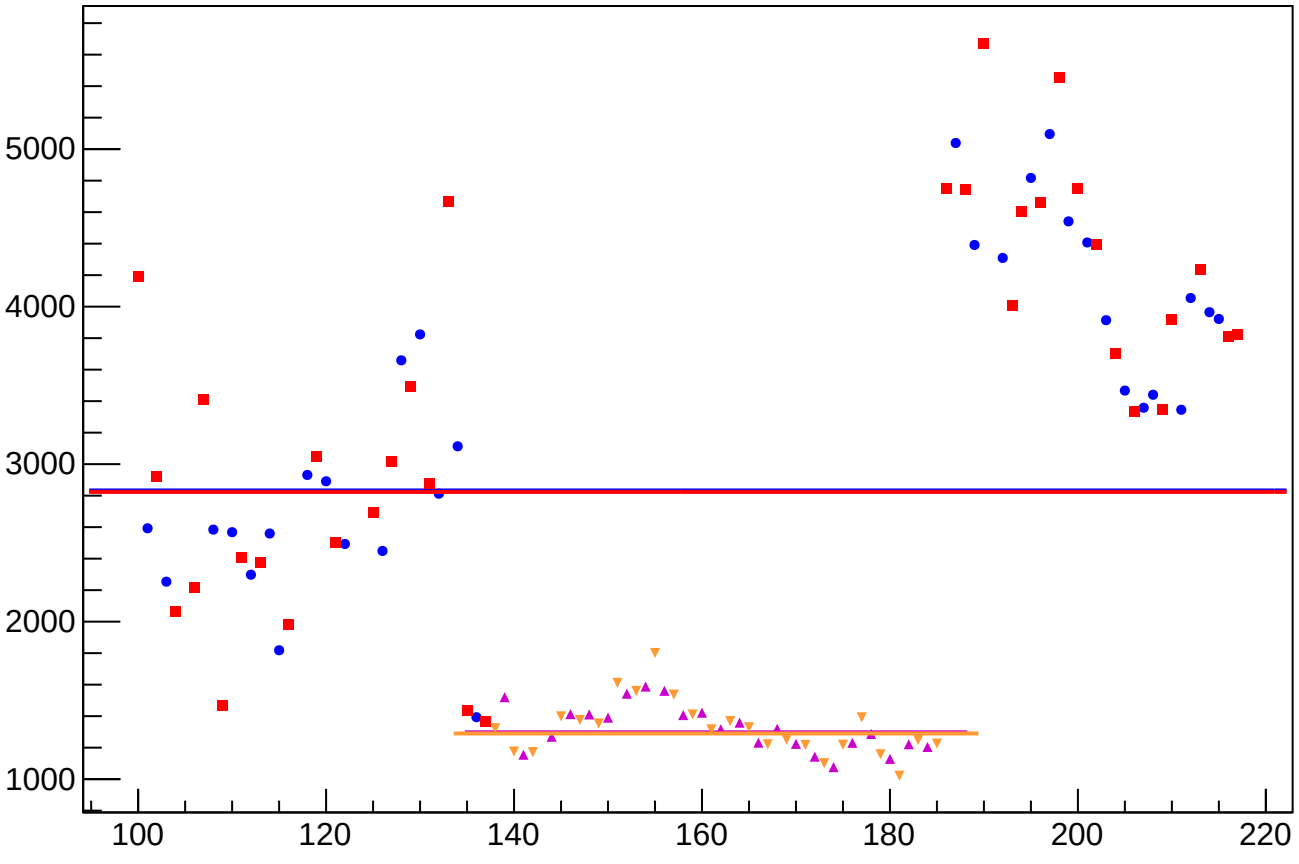
Right Out: -1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1337.319+/-276.993 χ^2/NDF: 109.4/54

All: -991.402+/-196.460 χ^2/NDF: 160.9/111

- sign -641.240+/-278.687 χ^2/NDF: 48.4/56



Right In: 2832.916+/-0.487 χ^2/NDF: 4580887.1/30

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

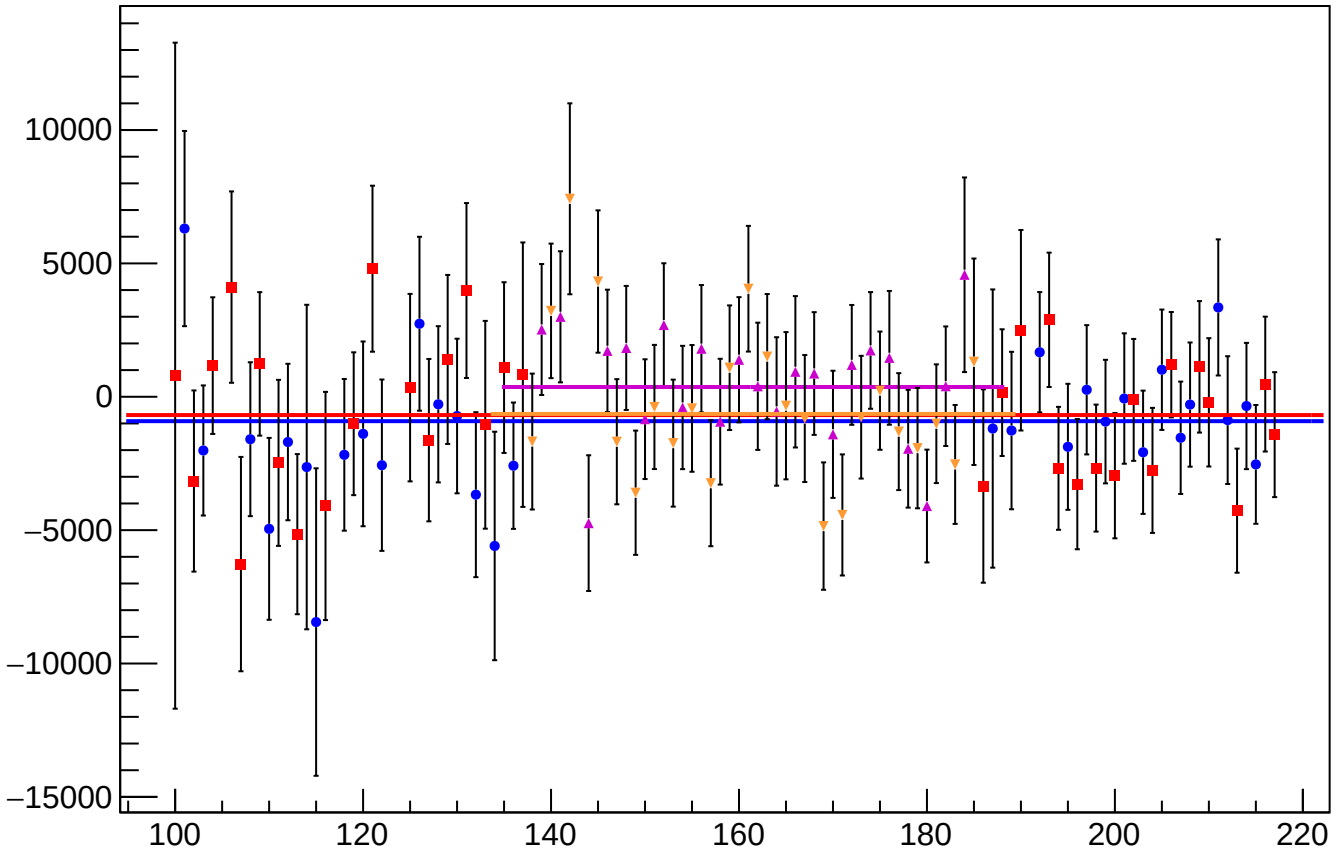
Right Out: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1539.178+/-0.196 χ^2/NDF: 13550655.1/54

All: 1545.855+/-0.139 χ^2/NDF: 28009982.6/1

- sign 1552.615+/-0.197 χ^2/NDF: 14456988.6/56



Right In: -914.384+/-491.061 χ^2/NDF: 18.1/30

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -685.594+/-481.830 χ^2/NDF: 26.6/33

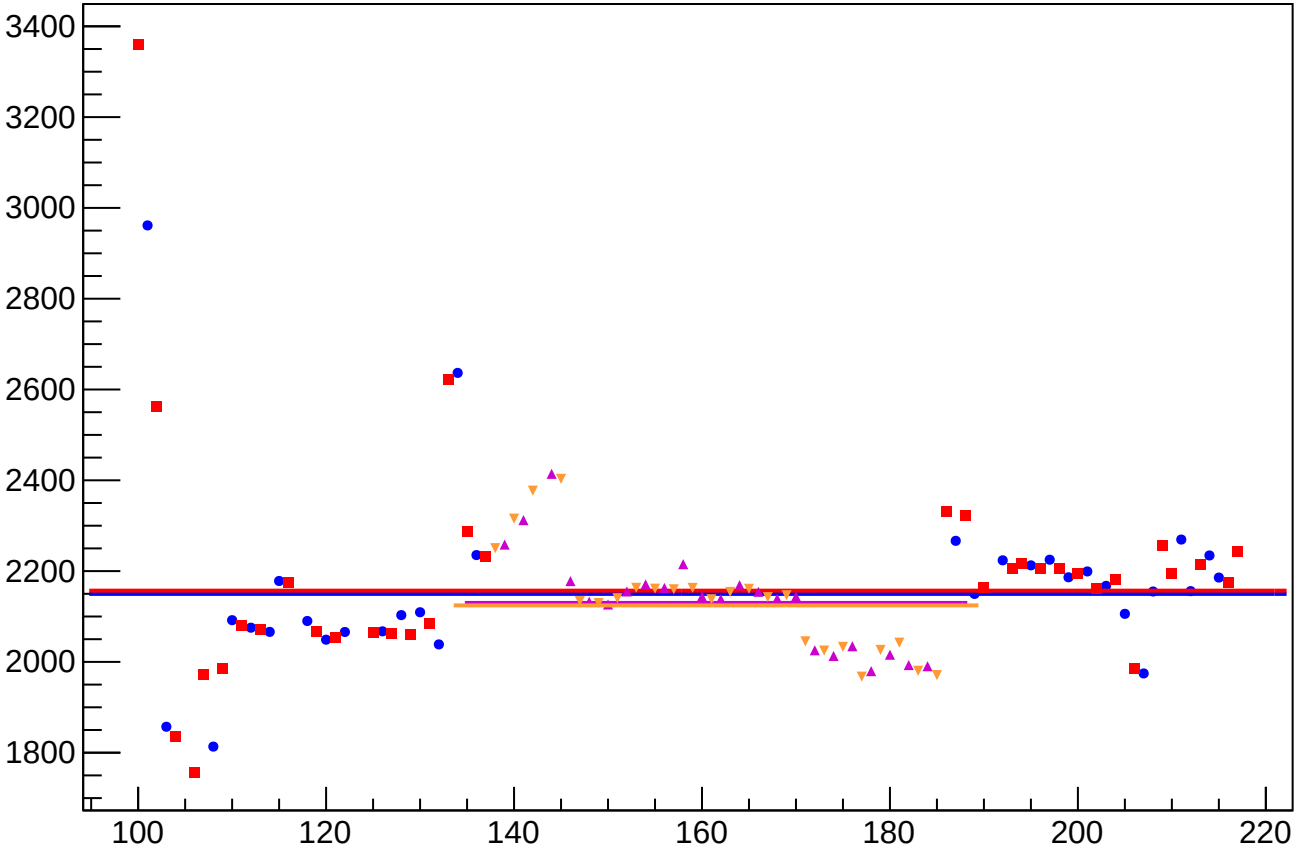
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -779.749+/-348.155 χ^2/NDF: 45.3/54

All: -476.578+/-245.505 χ^2/NDF: 93.0/111

- sign -176.723+/-346.246 χ^2/NDF: 46.2/56

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2149.828+/-0.347 χ^2/NDF: 223878.3/30

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

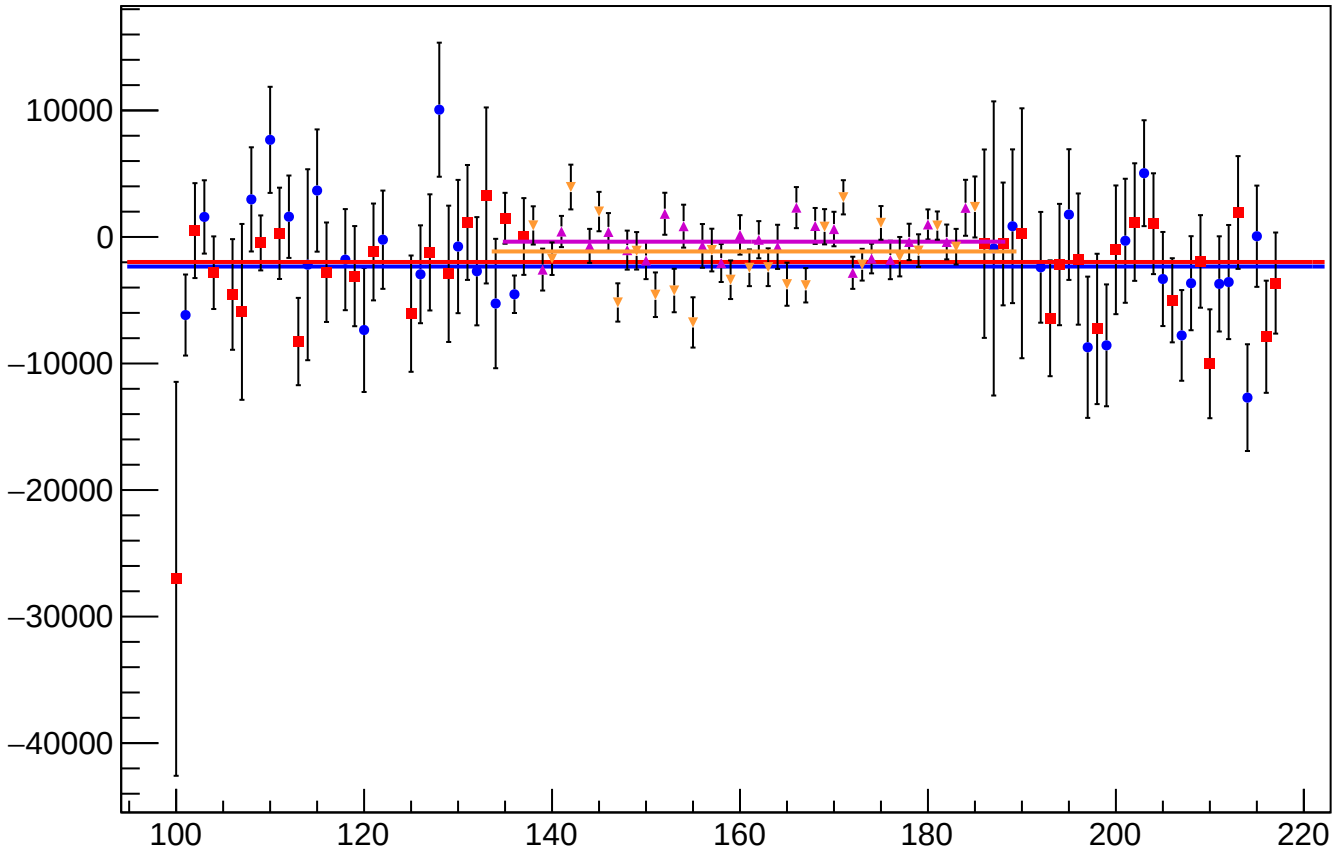
Right Out: 2156.918+/-0.341 χ^2/NDF: 203165.7/33

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2137.200+/-0.246 χ^2/NDF: 315721.6/54

All: 2140.544+/-0.174 χ^2/NDF: 607650.6/11

- sign 2143.851+/-0.245 χ^2/NDF: 291562.1/56



Right In: -2337.154+/-689.311 χ^2/NDF: 39.4/30

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

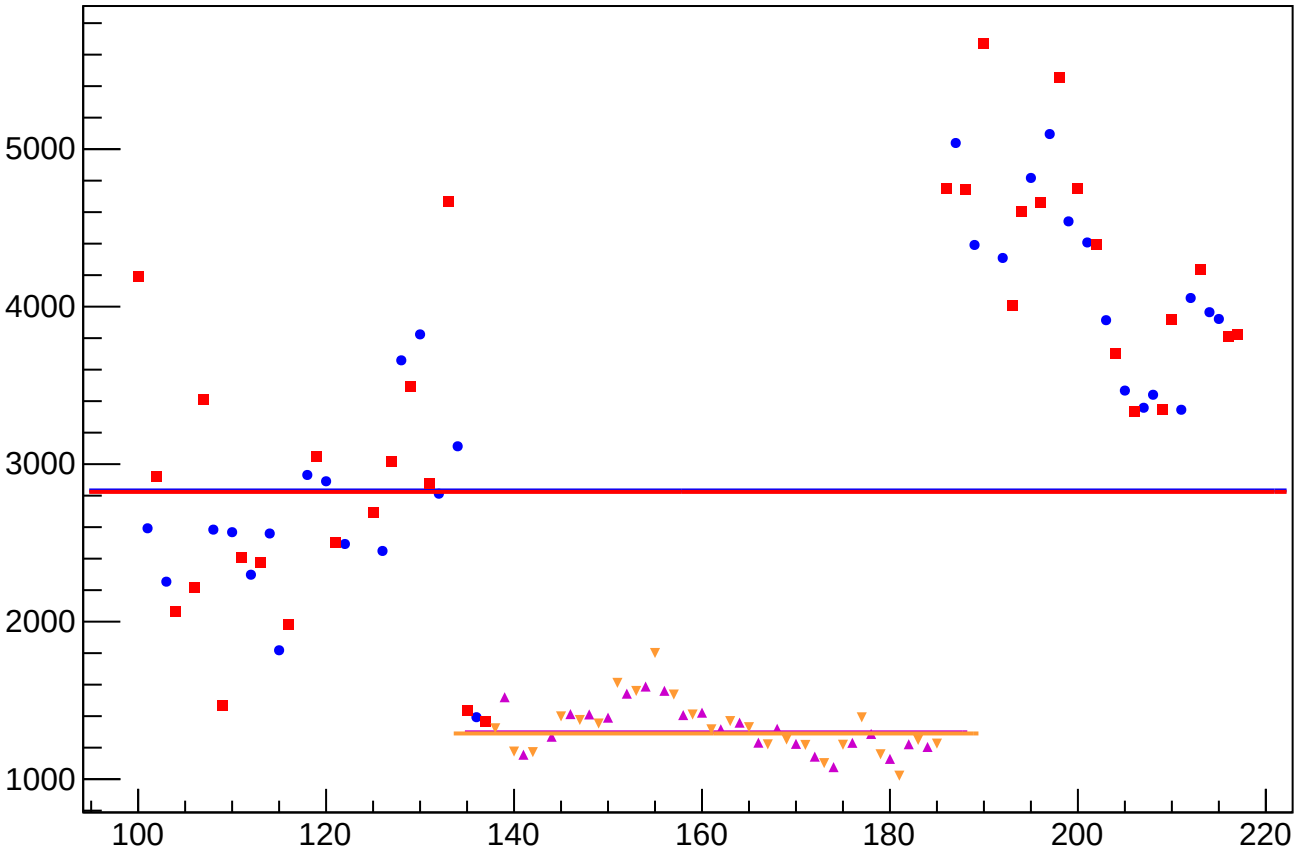
Right Out: -1976.692+/-681.619 χ^2/NDF: 23.5/33

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1337.319+/-276.993 χ^2/NDF: 109.4/54

All: -991.402+/-196.460 χ^2/NDF: 160.9/111

- sign -641.240+/-278.687 χ^2/NDF: 48.4/56



Right In: 2832.916+/-0.487 χ^2/NDF: 4580887.1/30

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

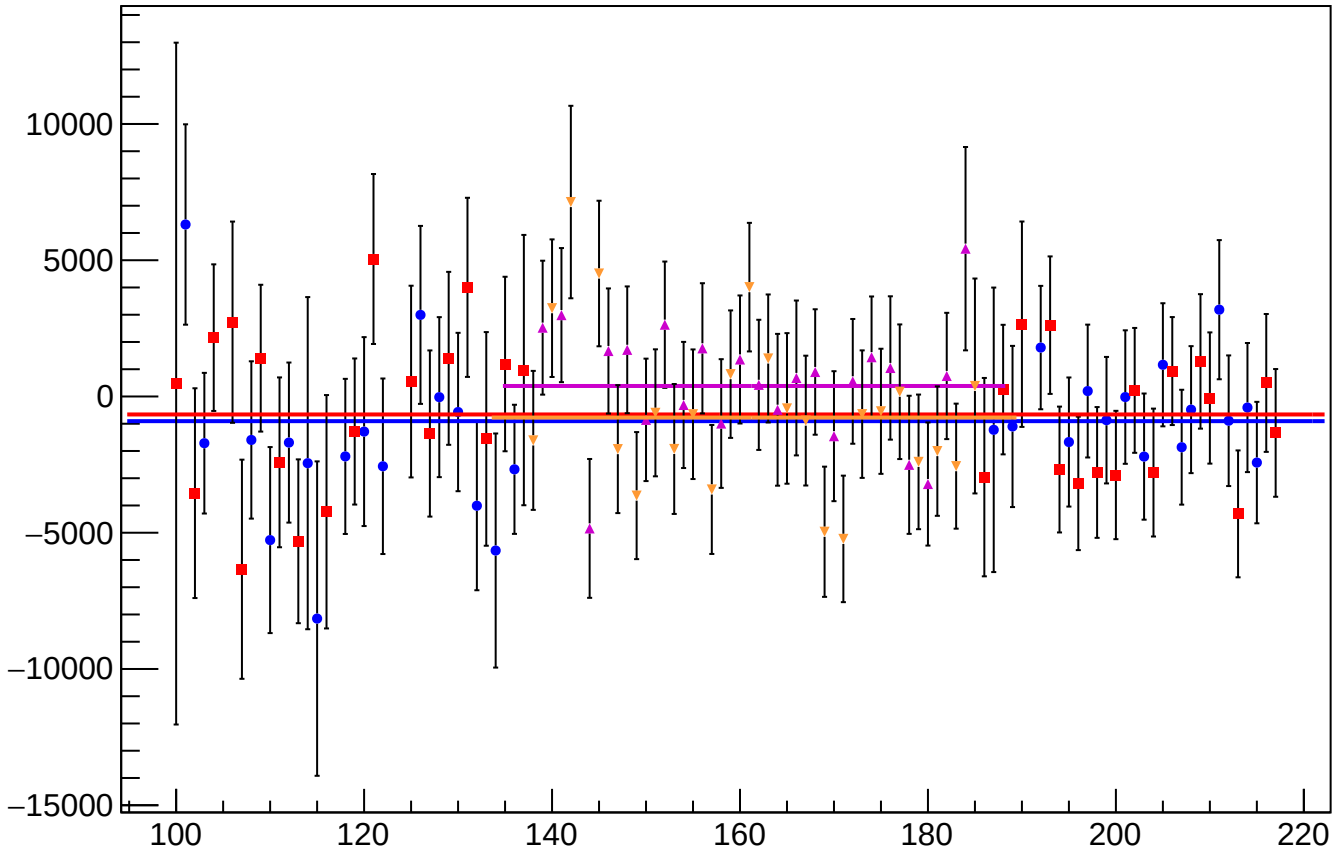
Right Out: 2823.814+/-0.482 χ^2/NDF: 5670483.8/33

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1539.178+/-0.196 χ^2/NDF: 13550655.1/54

All: 1545.855+/-0.139 χ^2/NDF: 28009982.6/1

- sign 1552.615+/-0.197 χ^2/NDF: 14456988.6/56



Right In: -905.427+/-493.012 χ^2/NDF: 18.5/30

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -659.762+/-484.887 χ^2/NDF: 26.6/33

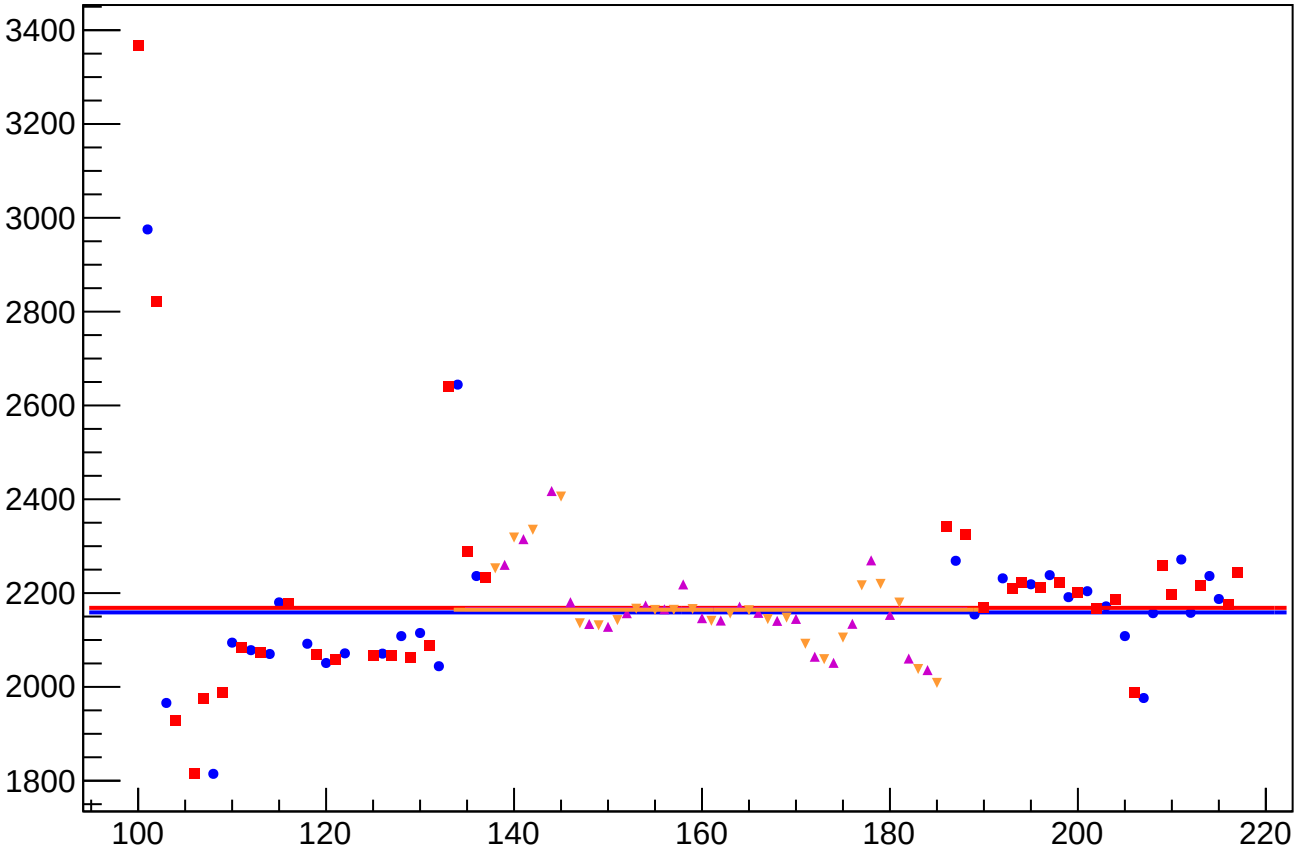
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -840.801+/-352.027 χ^2/NDF: 47.1/54

All: -498.319+/-248.240 χ^2/NDF: 93.4/111

- sign -159.557+/-350.110 χ^2/NDF: 44.4/56

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.810+/-0.349 χ^2/NDF: 208188.3/30

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

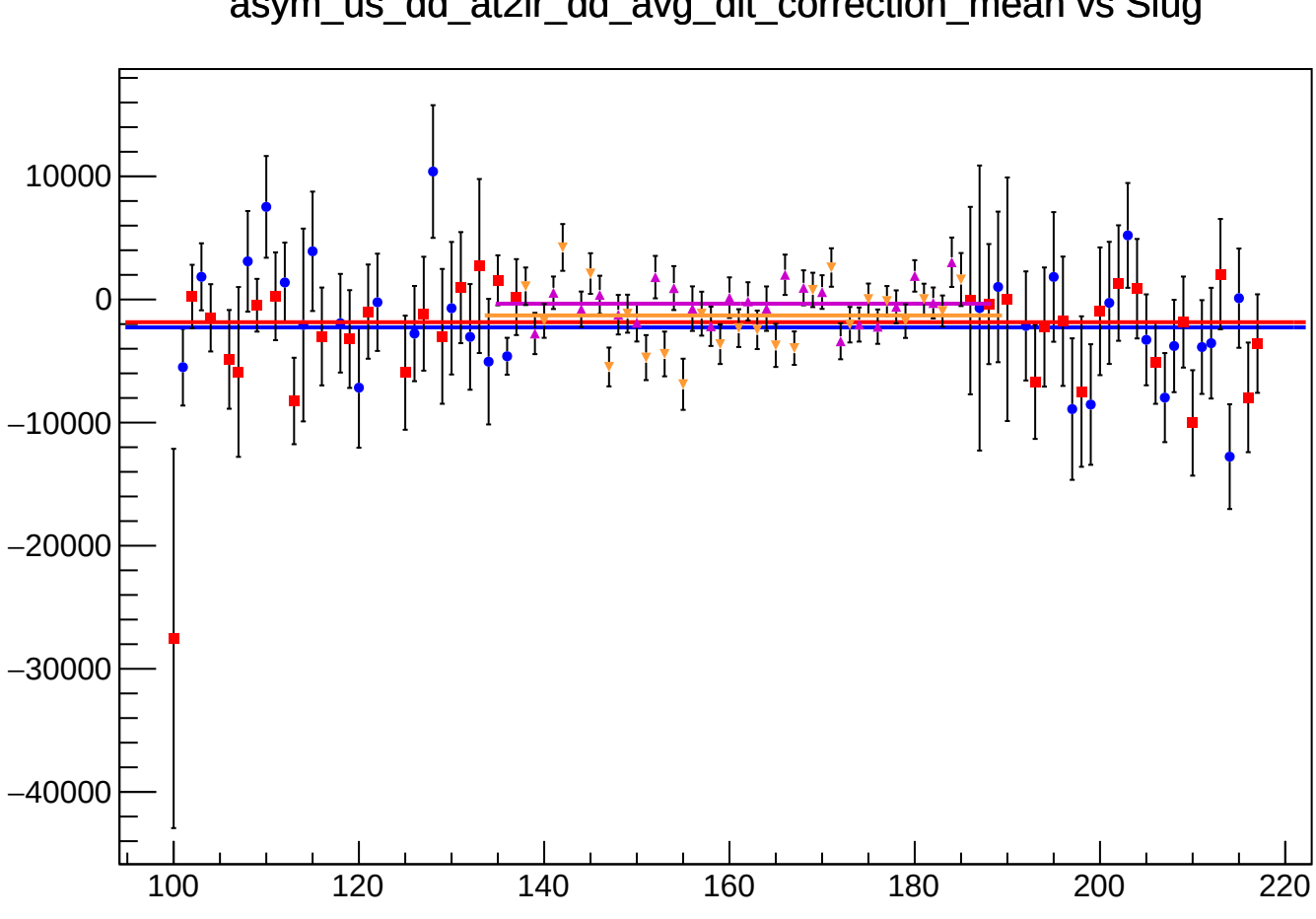
Right Out: 2168.531+/-0.343 χ^2/NDF: 211189.9/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2161.615+/-0.249 χ^2/NDF: 258996.6/54

All: 2164.397+/-0.176 χ^2/NDF: 522593.4/111

- sign 2167.149+/-0.248 χ^2/NDF: 263348.3/56



Right In: -2266.092+/-690.415 χ^2/NDF: 39.8/30

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

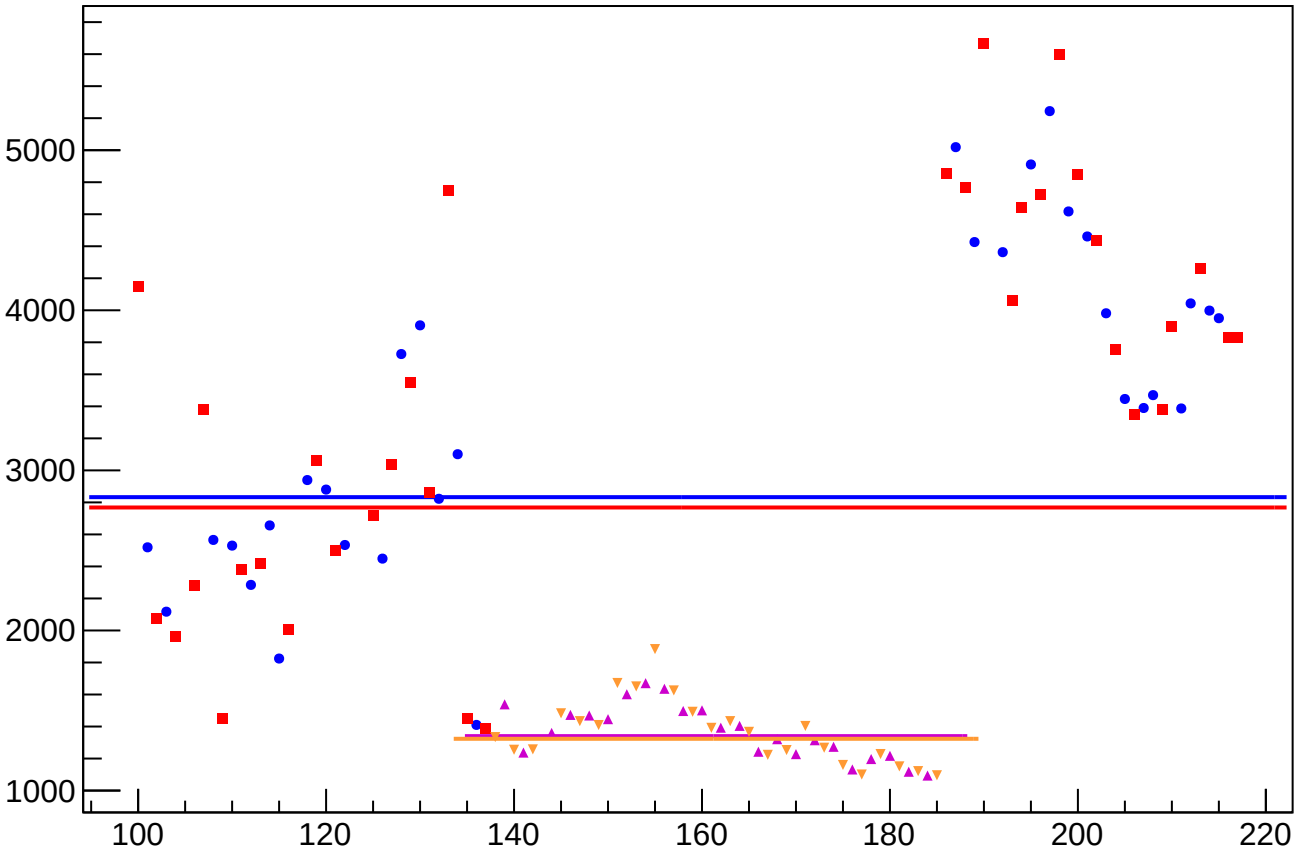
Right Out: -1844.640+/-669.067 χ^2/NDF: 24.1/33

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1457.406+/-283.273 χ^2/NDF: 100.1/54

All: -1039.292+/-201.057 χ^2/NDF: 157.6/111

- sign -614.835+/-285.413 χ^2/NDF: 53.0/56



Right In: 2832.772+/-0.488 χ^2/NDF: 4685468.5/30

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

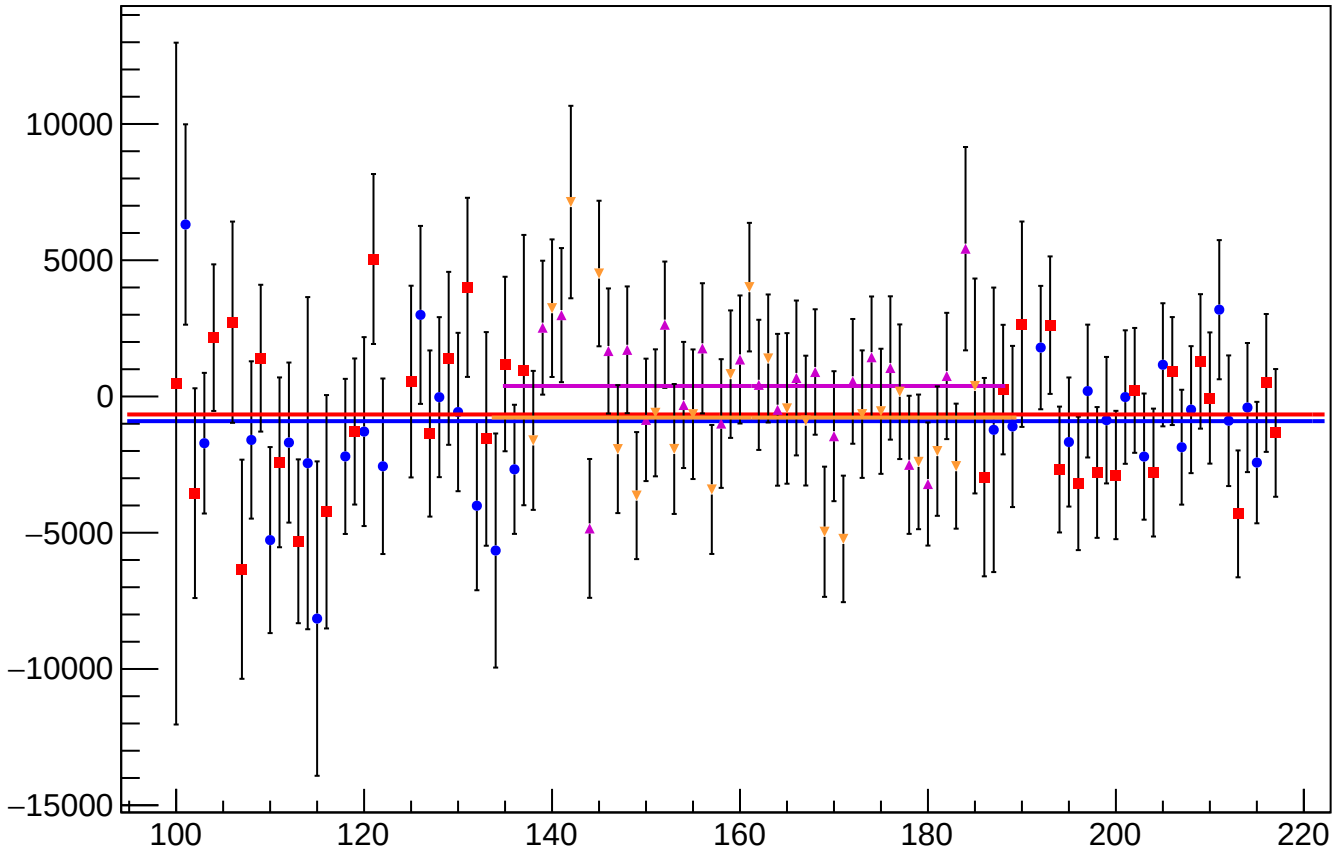
Right Out: 2768.221+/-0.473 χ^2/NDF: 5968108.7/33

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1577.491+/-0.200 χ^2/NDF: 13298954.8/54

All: 1588.645+/-0.142 χ^2/NDF: 27221712.0/1

- sign 1599.967+/-0.202 χ^2/NDF: 13916508.8/56



Right In: -905.423+/-493.012 χ^2/NDF: 18.5/30

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -659.756+/-484.887 χ^2/NDF: 26.6/33

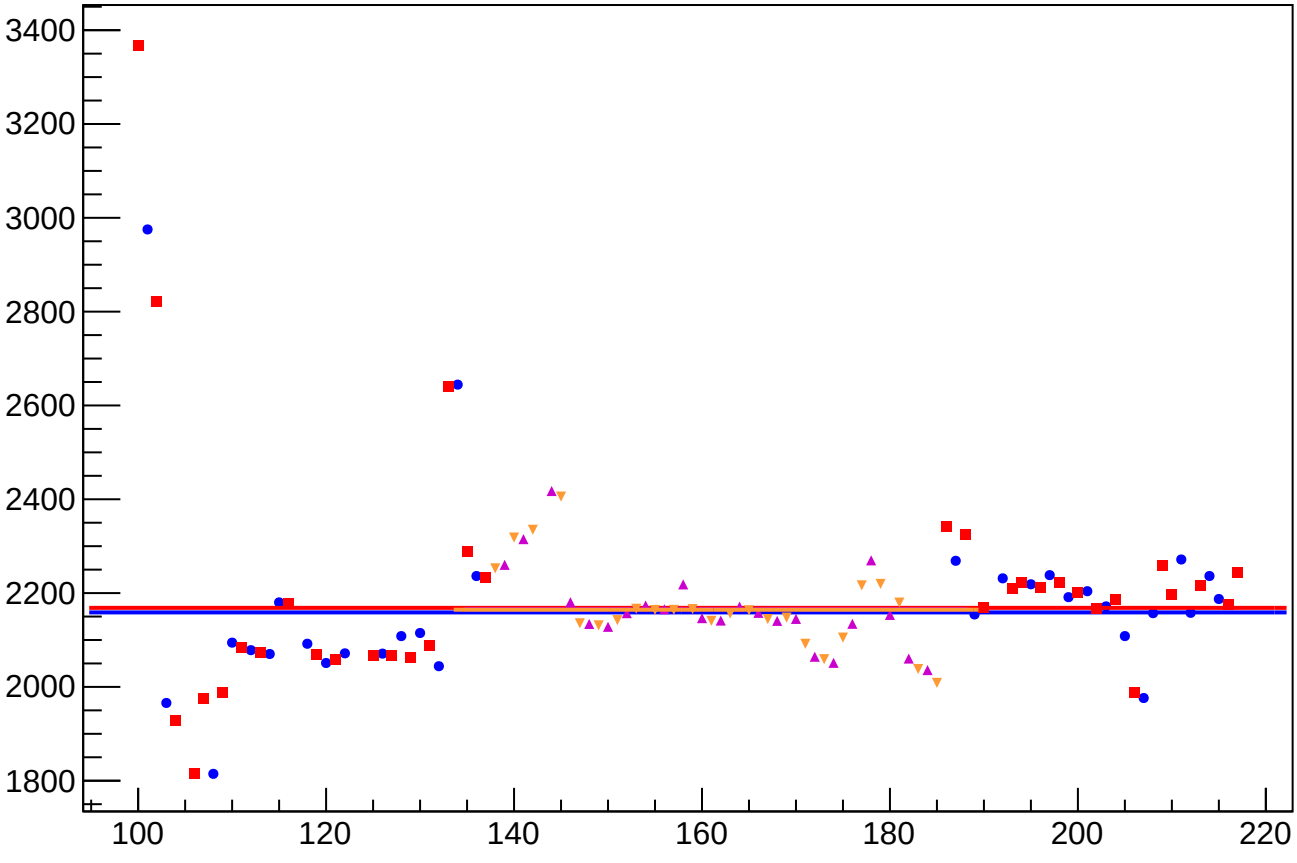
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -840.797+/-352.027 χ^2/NDF: 47.1/54

All: -498.316+/-248.240 χ^2/NDF: 93.4/111

- sign -159.554+/-350.110 χ^2/NDF: 44.4/56

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2158.810+/-0.349 χ^2/NDF: 208188.3/30

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

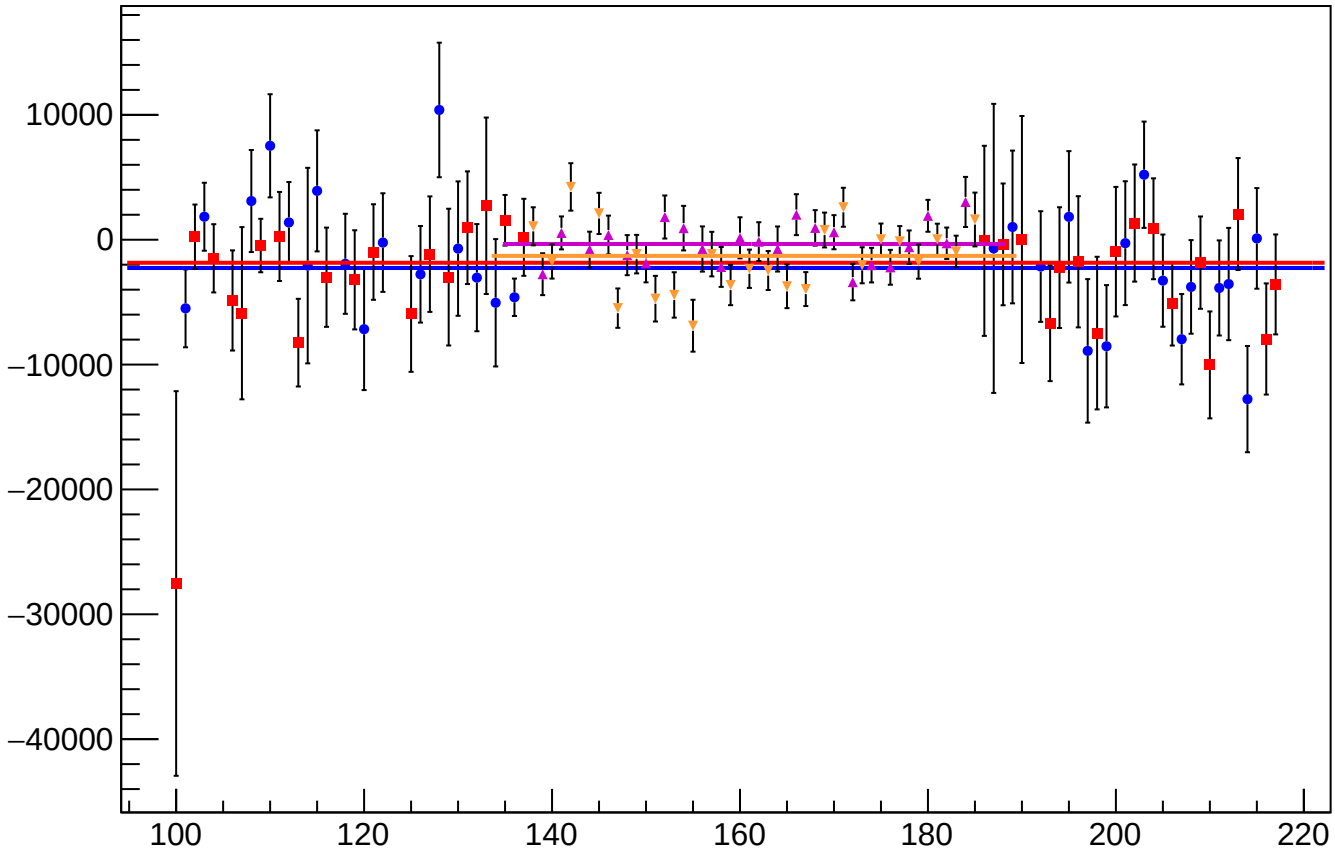
Right Out: 2168.531+/-0.343 χ^2/NDF: 211189.8/33

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2161.615+/-0.249 χ^2/NDF: 258996.6/54

All: 2164.397+/-0.176 χ^2/NDF: 522593.3/111

- sign 2167.148+/-0.248 χ^2/NDF: 263348.2/56



Right In: -2266.087+/-690.416 χ^2/NDF: 39.8/30

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

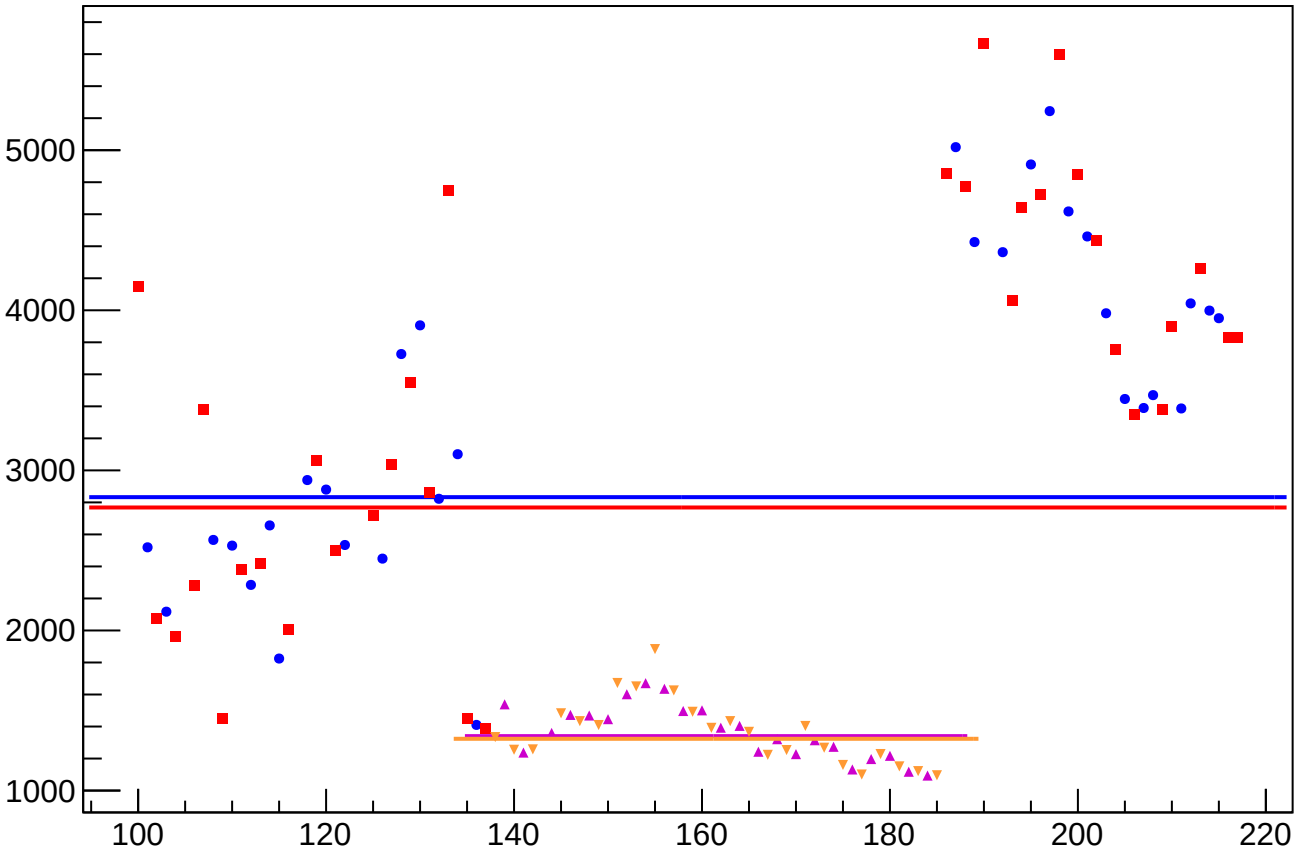
Right Out: -1844.651+/-669.069 χ^2/NDF: 24.1/33

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1457.406+/-283.273 χ^2/NDF: 100.1/54

All: -1039.290+/-201.056 χ^2/NDF: 157.6/111

- sign -614.833+/-285.413 χ^2/NDF: 53.0/56



Right In: 2832.782+/-0.488 χ^2/NDF: 4685359.5/30

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2768.233+/-0.473 χ^2/NDF: 5968010.6/33

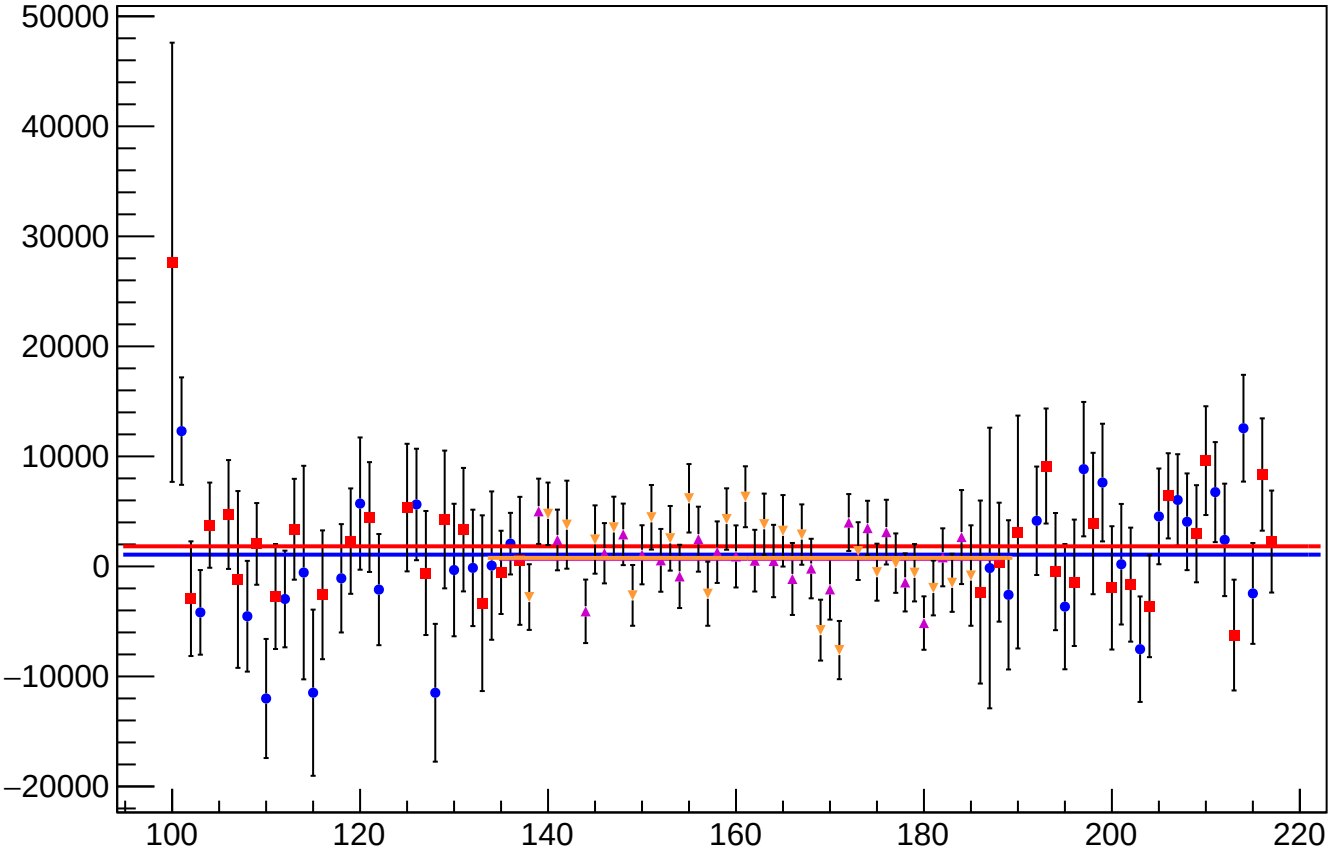
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1577.492+/-0.200 χ^2/NDF: 13298928.3/54

All: 1588.645+/-0.142 χ^2/NDF: 27221703.6/1

- sign 1599.967+/-0.202 χ^2/NDF: 13916527.7/56

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1068.976+/-903.063 χ^2/NDF: 42.2/30

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1826.795+/-892.275 χ^2/NDF: 20.1/33

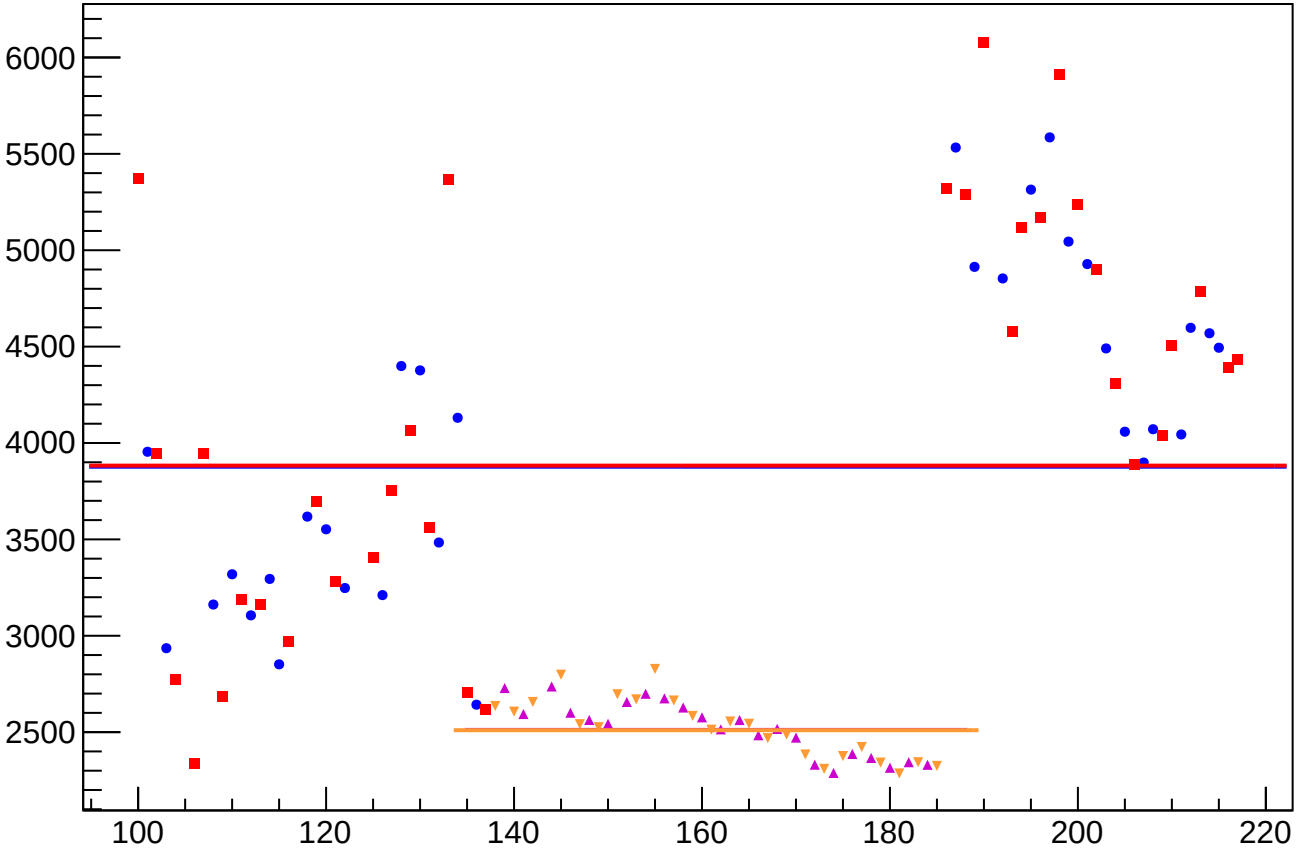
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 861.474+/-490.210 χ^2/NDF: 81.6/54

All: 947.521+/-346.785 χ^2/NDF: 121.3/111

\- sign 1033.720+/-490.647 χ^2/NDF: 39.6/56

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3877.082+/-0.639 χ^2/NDF: 1566722.8/30

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

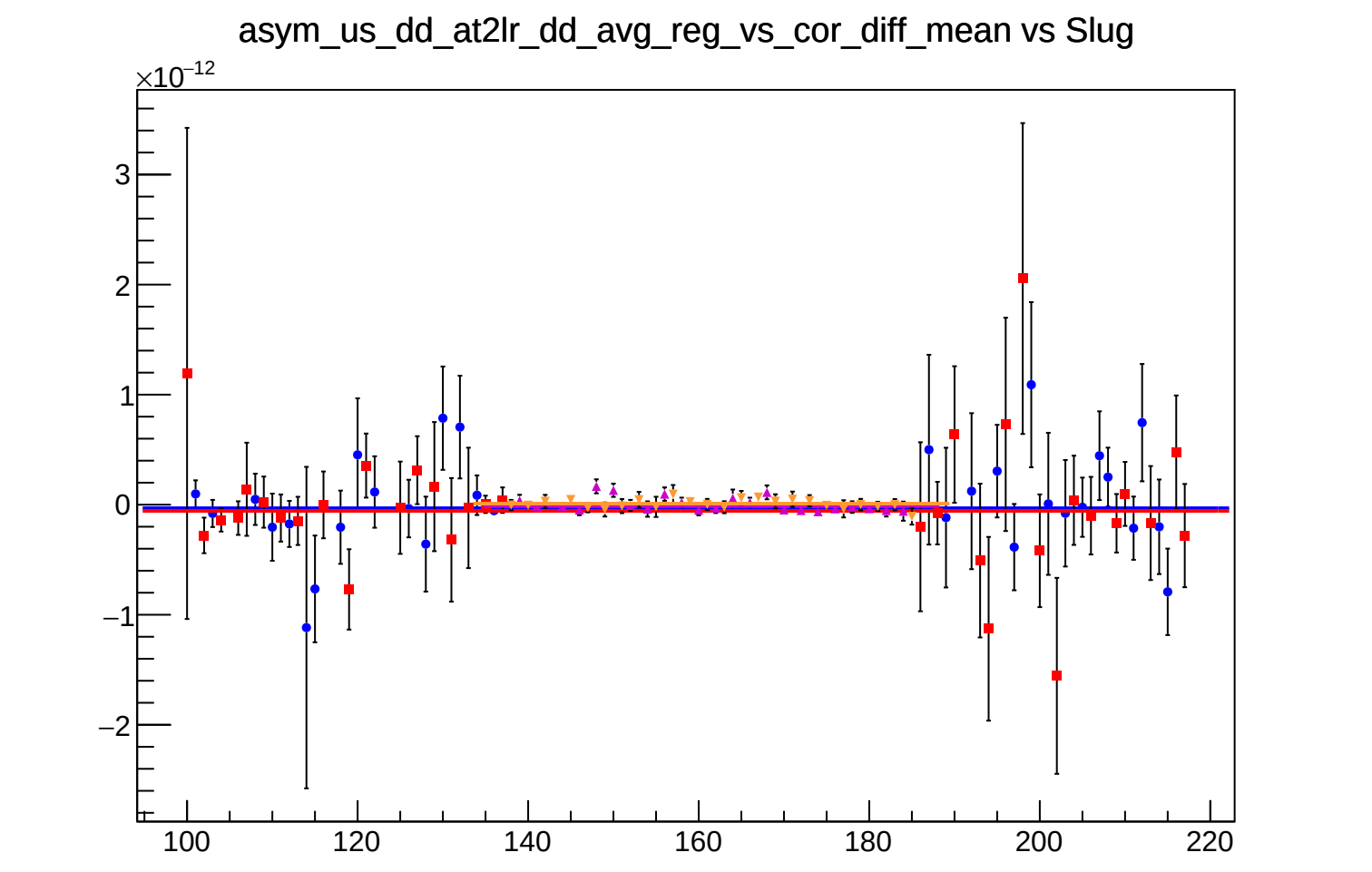
Right Out: 3882.624+/-0.631 χ^2/NDF: 2213558.7/33

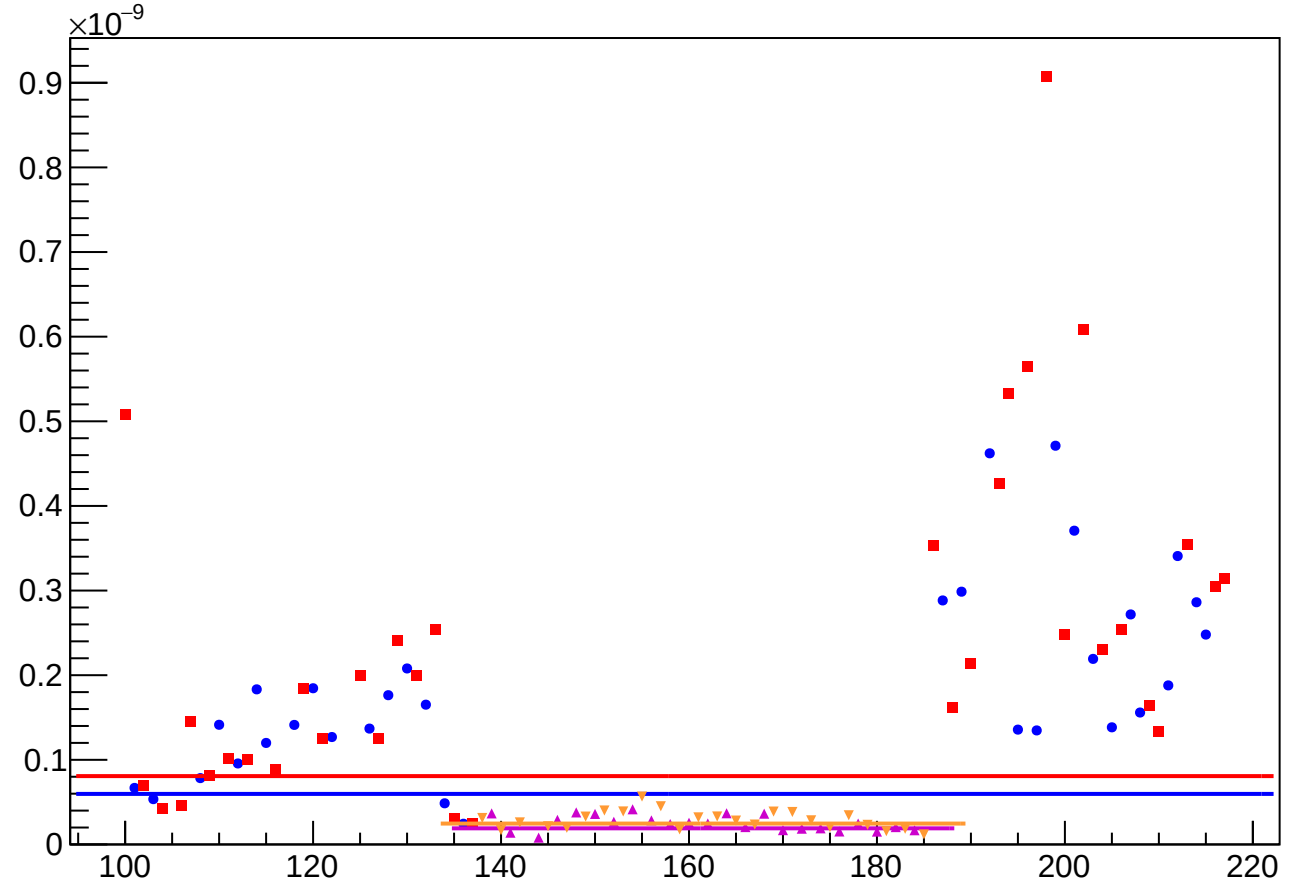
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2912.879+/-0.347 χ^2/NDF: 4927835.2/54

All: 2919.519+/-0.245 χ^2/NDF: 10549768.1/1

- sign 2926.171+/-0.347 χ^2/NDF: 5621198.4/56


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 26.3/30
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/33
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 39.9/54
All: -0.000+/-0.000 χ²/NDF: 98.7/111
- sign -0.000+/-0.000 χ²/NDF: 56.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8099944.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

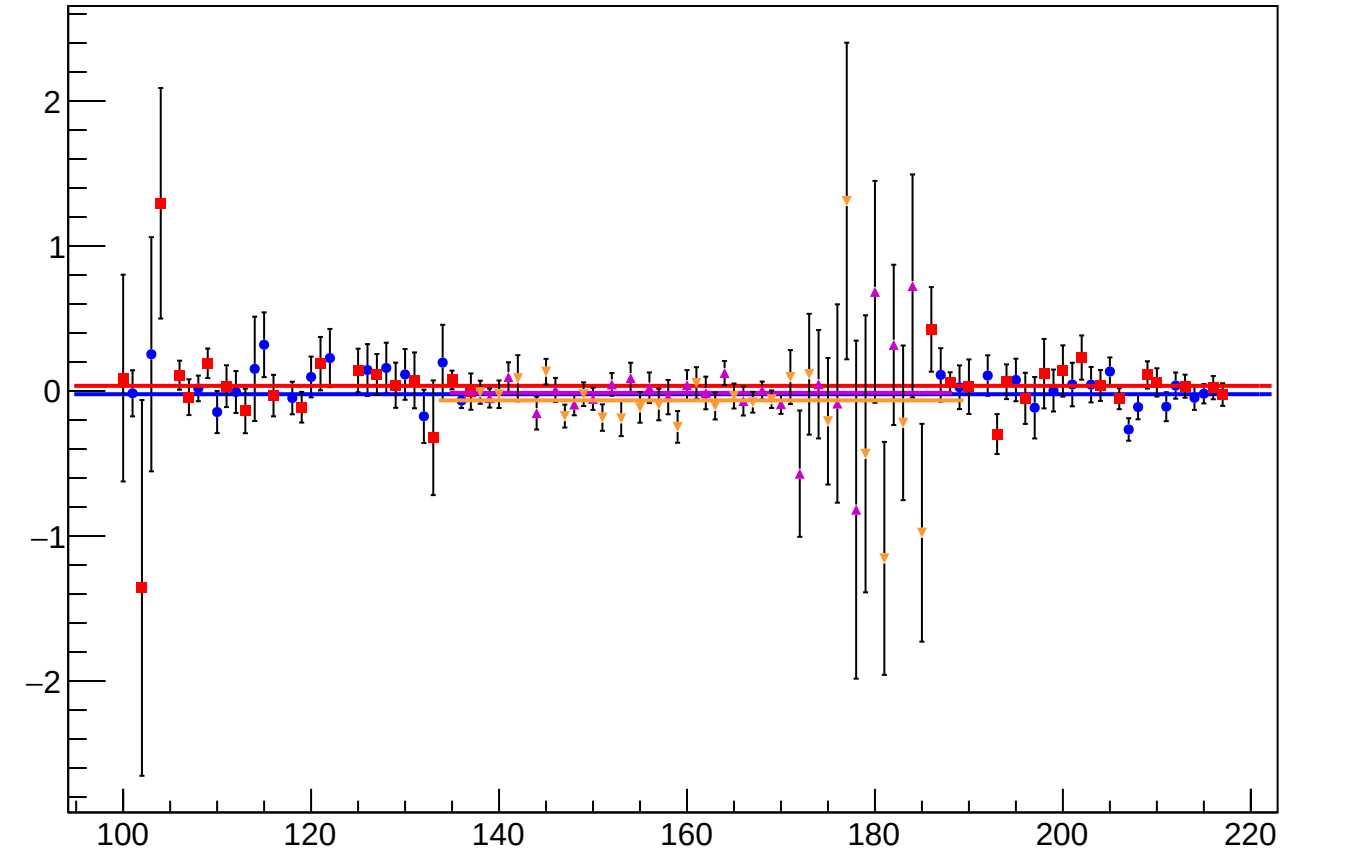
Right Out: 0.000+/-0.000 χ^2/NDF: 8787060.7/33

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11613939.1/54

All: 0.000+/-0.000 χ^2/NDF: 27496039.1/111

- sign 0.000+/-0.000 χ^2/NDF: 15434383.9/56



Right In: -0.022+/-0.021 χ^2/NDF: 28.0/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

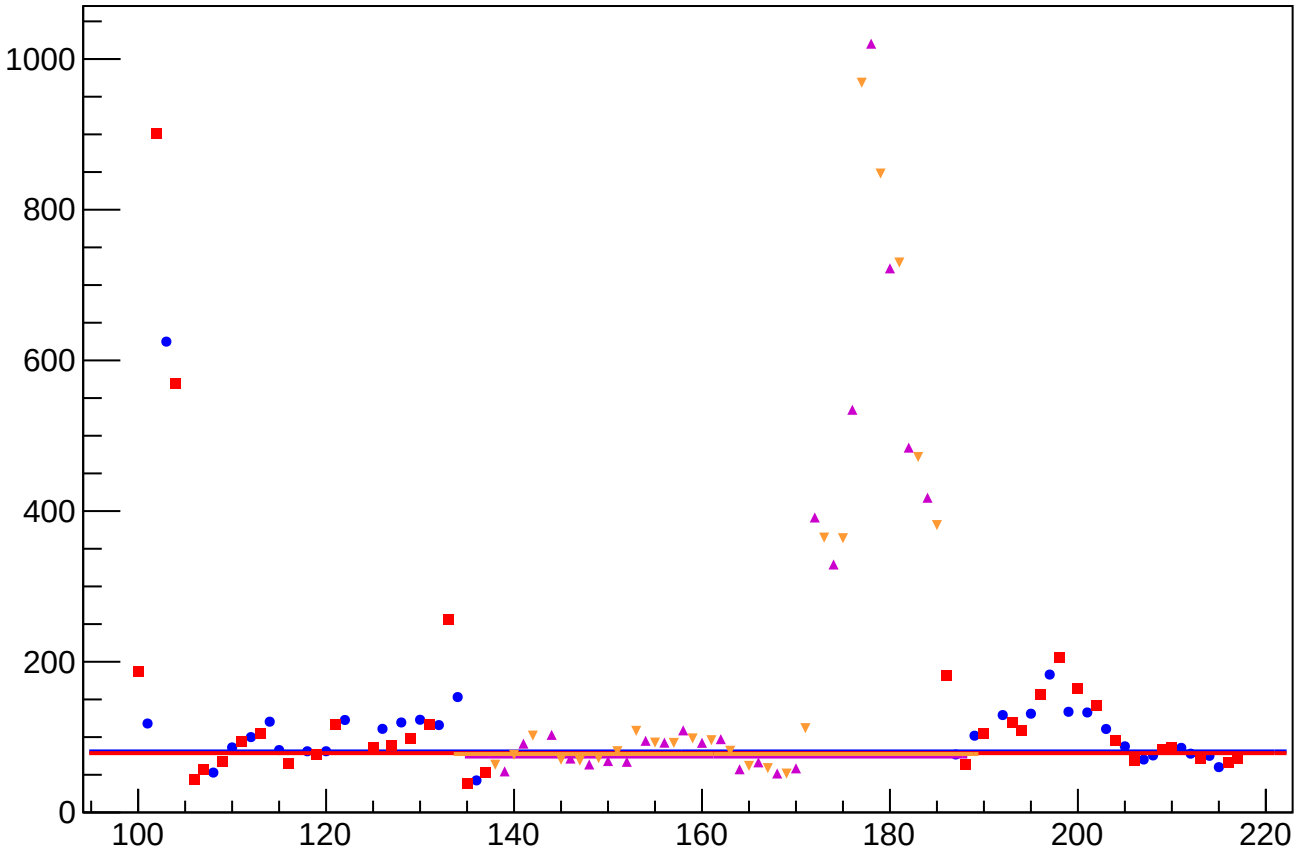
Right Out: 0.035+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.042+/-0.015 χ^2/NDF: 52.3/54

All: -0.014+/-0.011 χ^2/NDF: 102.9/111

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.984+/-0.015 χ^2/NDF: 4834765.1/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

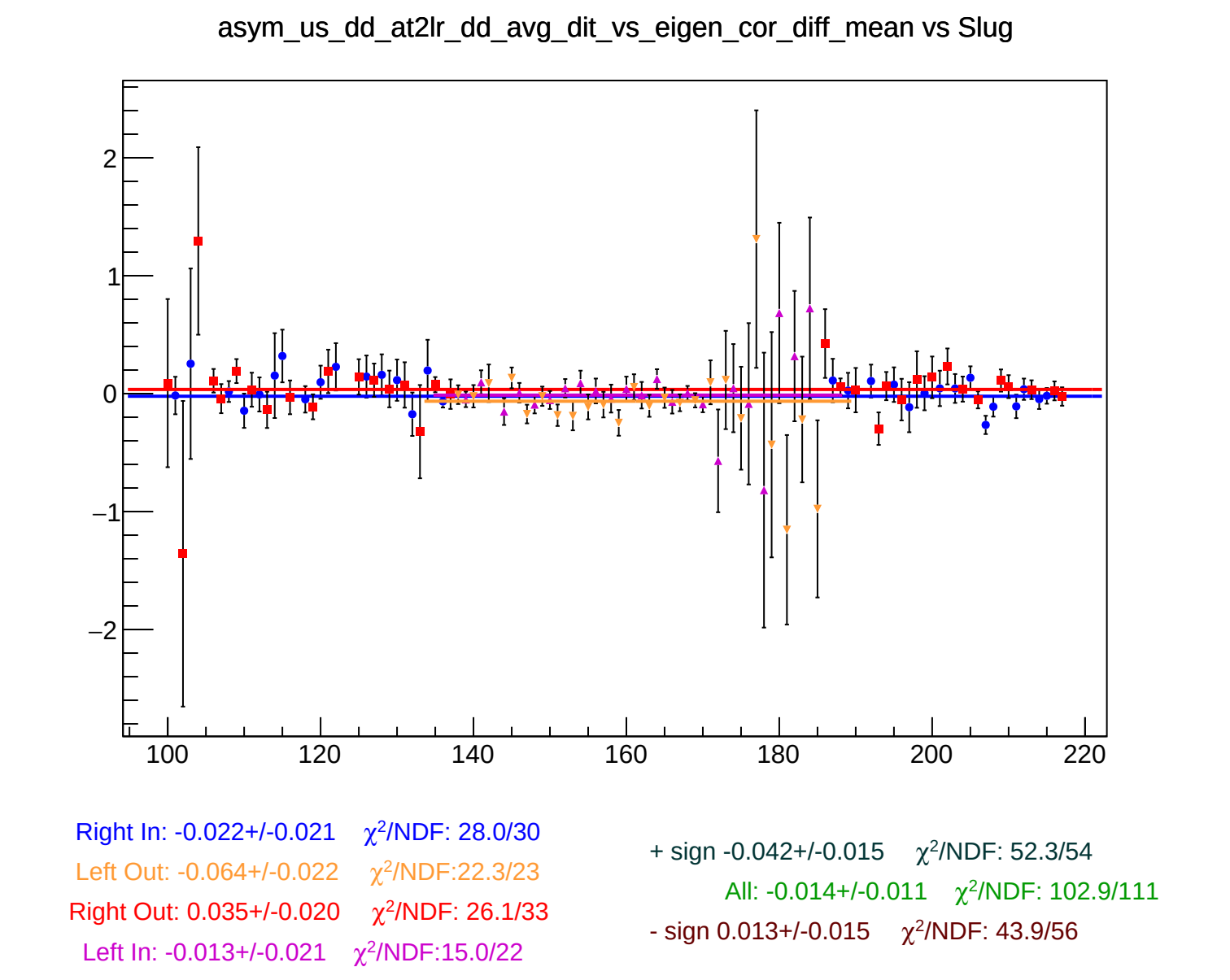
Right Out: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

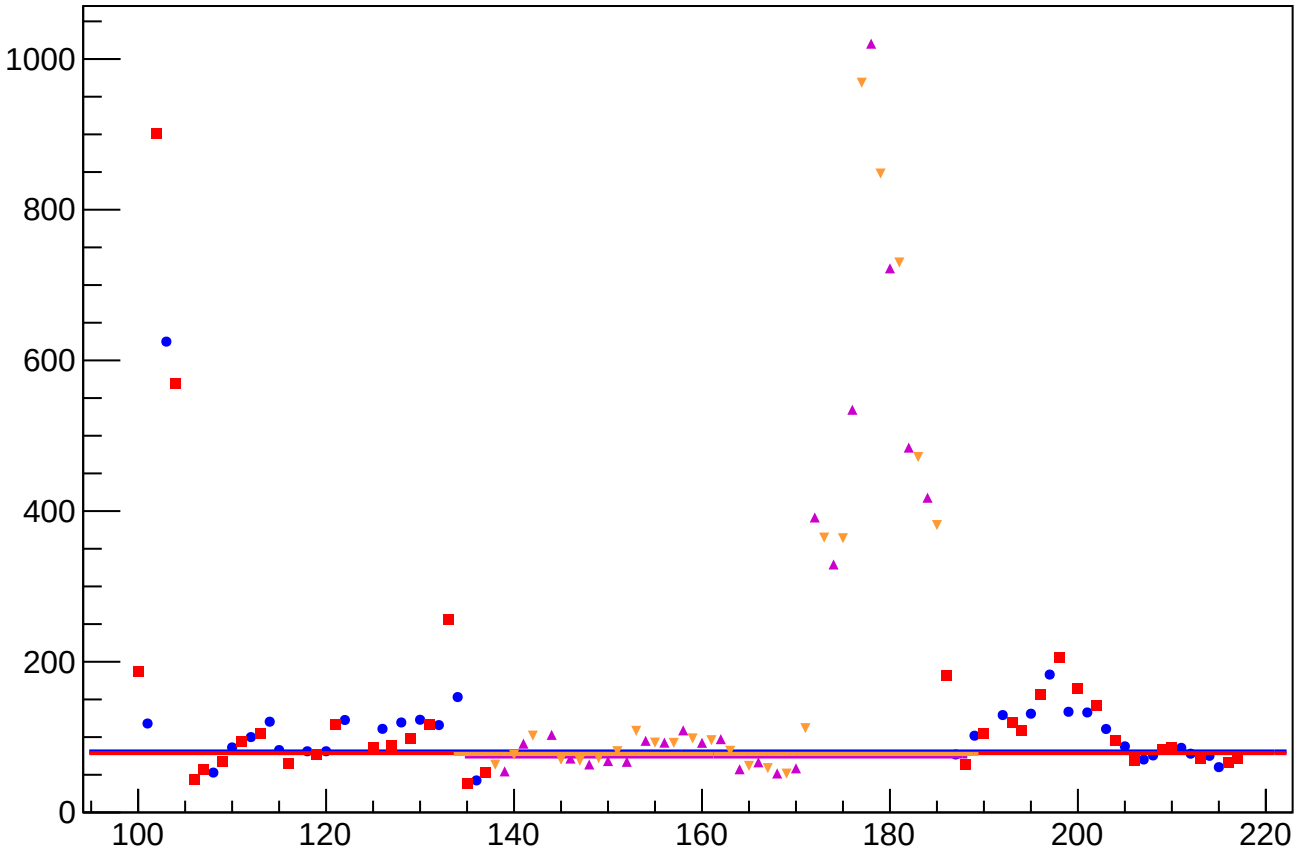
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 79.367+/-0.011 χ^2/NDF: 13191858.2/54

All: 77.917+/-0.007 χ^2/NDF: 27945277.4/111

- sign 76.569+/-0.010 χ^2/NDF: 14717992.5/56


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: -0.022+/-0.021 χ²/NDF: 28.0/30
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.035+/-0.020 χ²/NDF: 26.1/33
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.042+/-0.015 χ²/NDF: 52.3/54
All: -0.014+/-0.011 χ²/NDF: 102.9/111
- sign 0.013+/-0.015 χ²/NDF: 43.9/56



Right In: 80.984+/-0.015 χ^2/NDF: 4834765.1/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

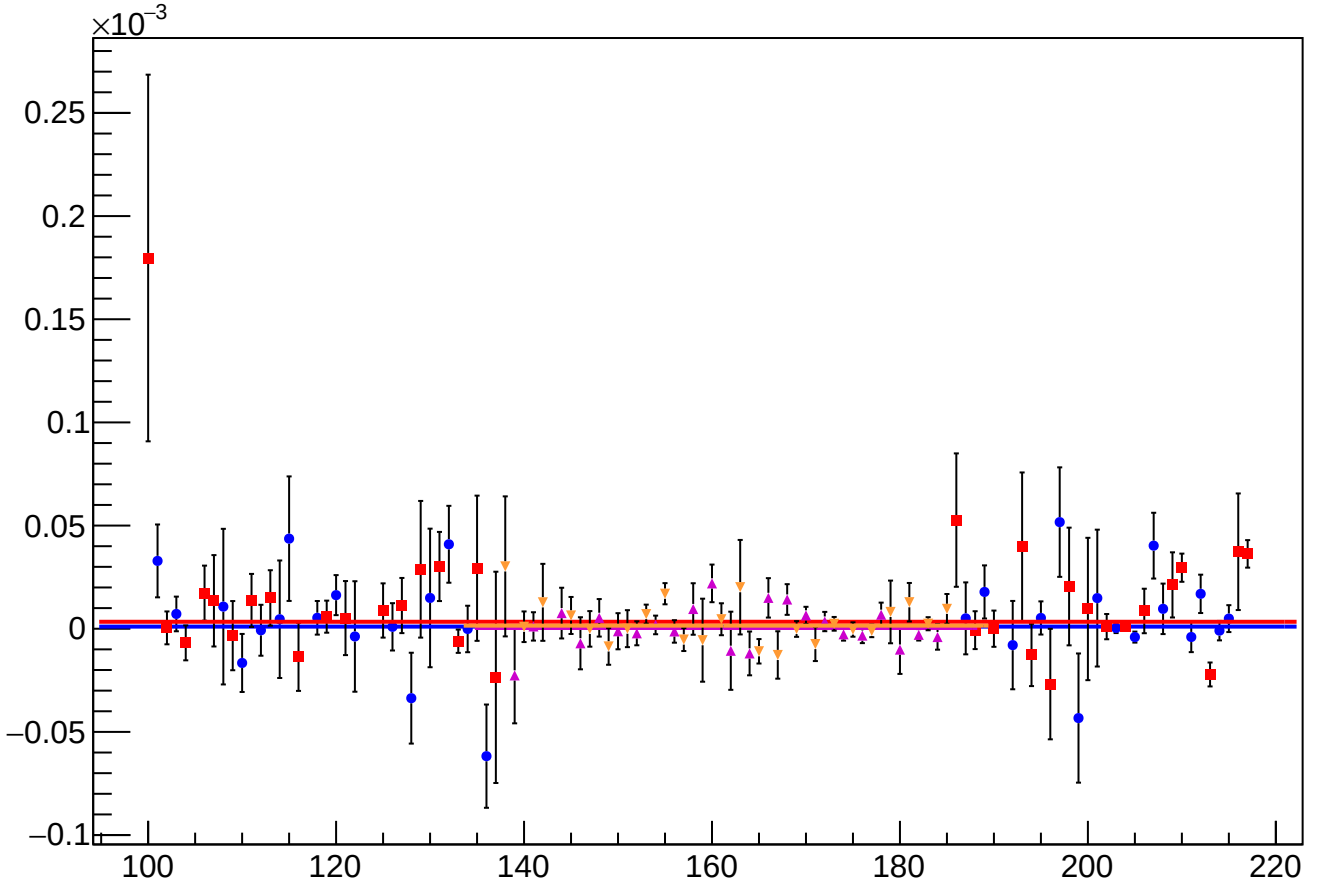
Right Out: 78.715+/-0.014 χ^2/NDF: 6156469.0/33

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 79.367+/-0.011 χ^2/NDF: 13191858.2/54

All: 77.917+/-0.007 χ^2/NDF: 27945277.4/11

- sign 76.569+/-0.010 χ^2/NDF: 14717992.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 46.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

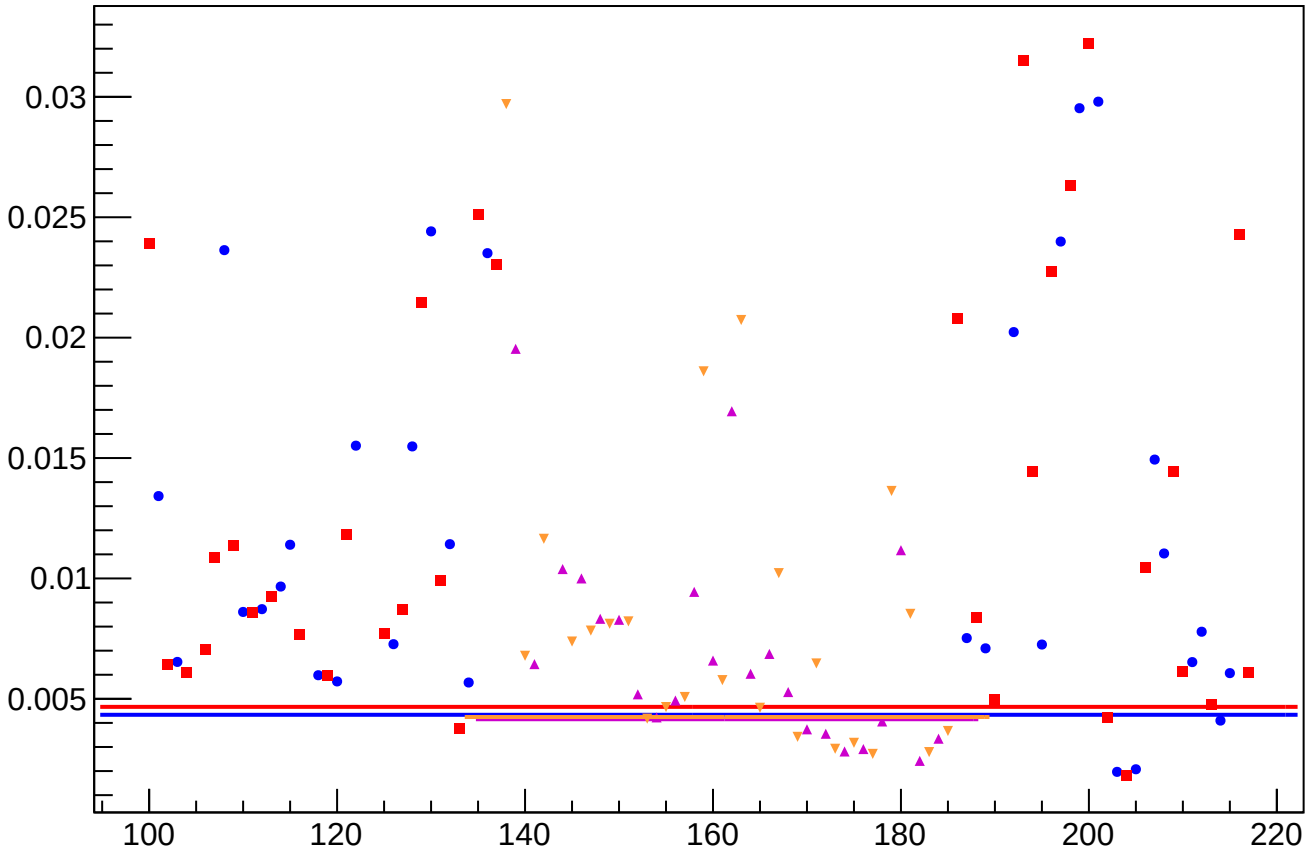
Right Out: 0.000+/-0.000 χ^2/NDF: 85.8/33

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.1/54

All: 0.000+/-0.000 χ^2/NDF: 186.3/111

- sign 0.000+/-0.000 χ^2/NDF: 113.1/56



Right In: 0.004+/-0.000 χ^2/NDF: 15549791.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

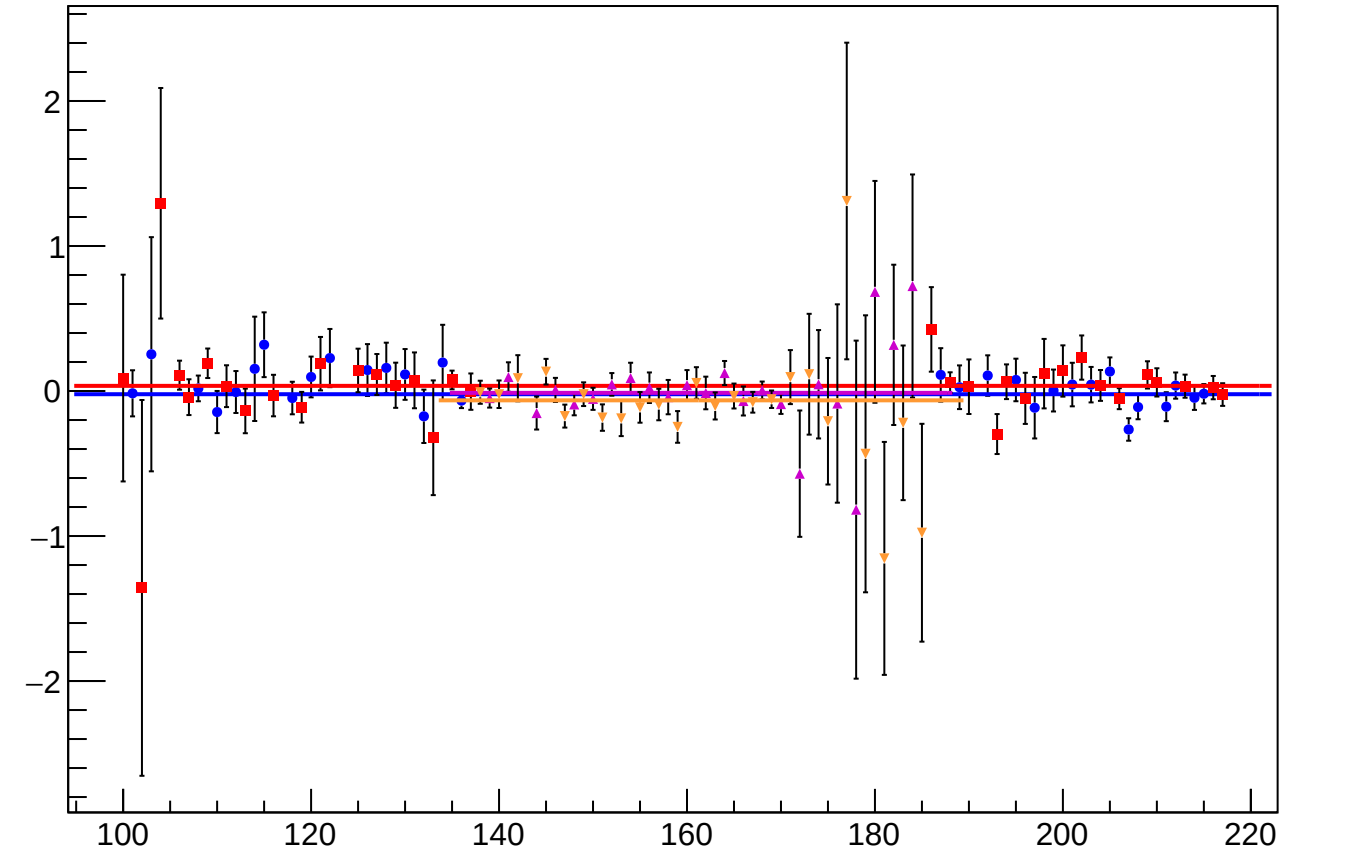
Right Out: 0.005+/-0.000 χ^2/NDF: 15933422.7/33

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 24205960.0/54

All: 0.004+/-0.000 χ^2/NDF: 47188512.8/111

- sign 0.004+/-0.000 χ^2/NDF: 22974290.3/56



Right In: -0.022+/-0.021 χ^2/NDF: 28.1/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

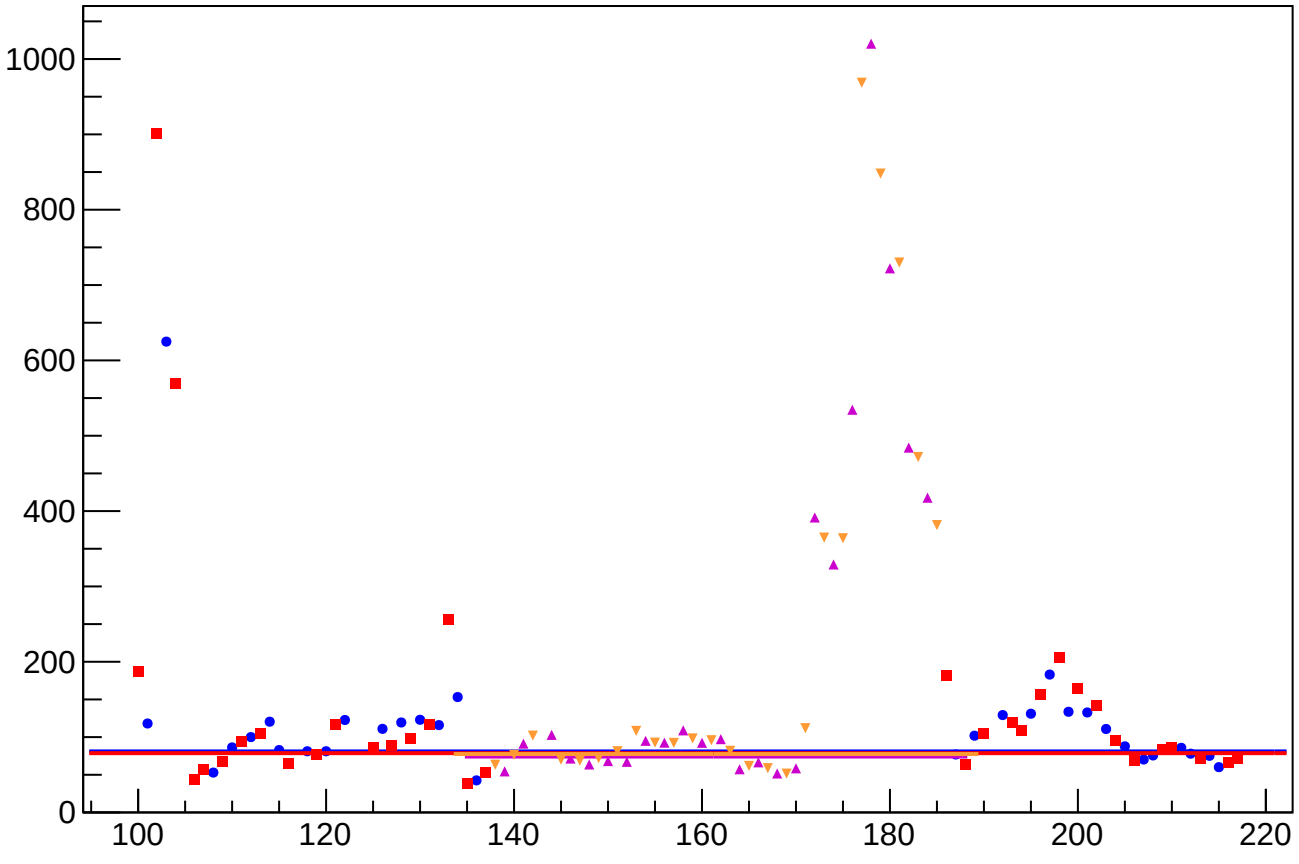
Right Out: 0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.042+/-0.015 χ^2/NDF: 52.3/54

All: -0.014+/-0.011 χ^2/NDF: 102.9/111

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.995+/-0.015 χ^2/NDF: 4831787.7/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

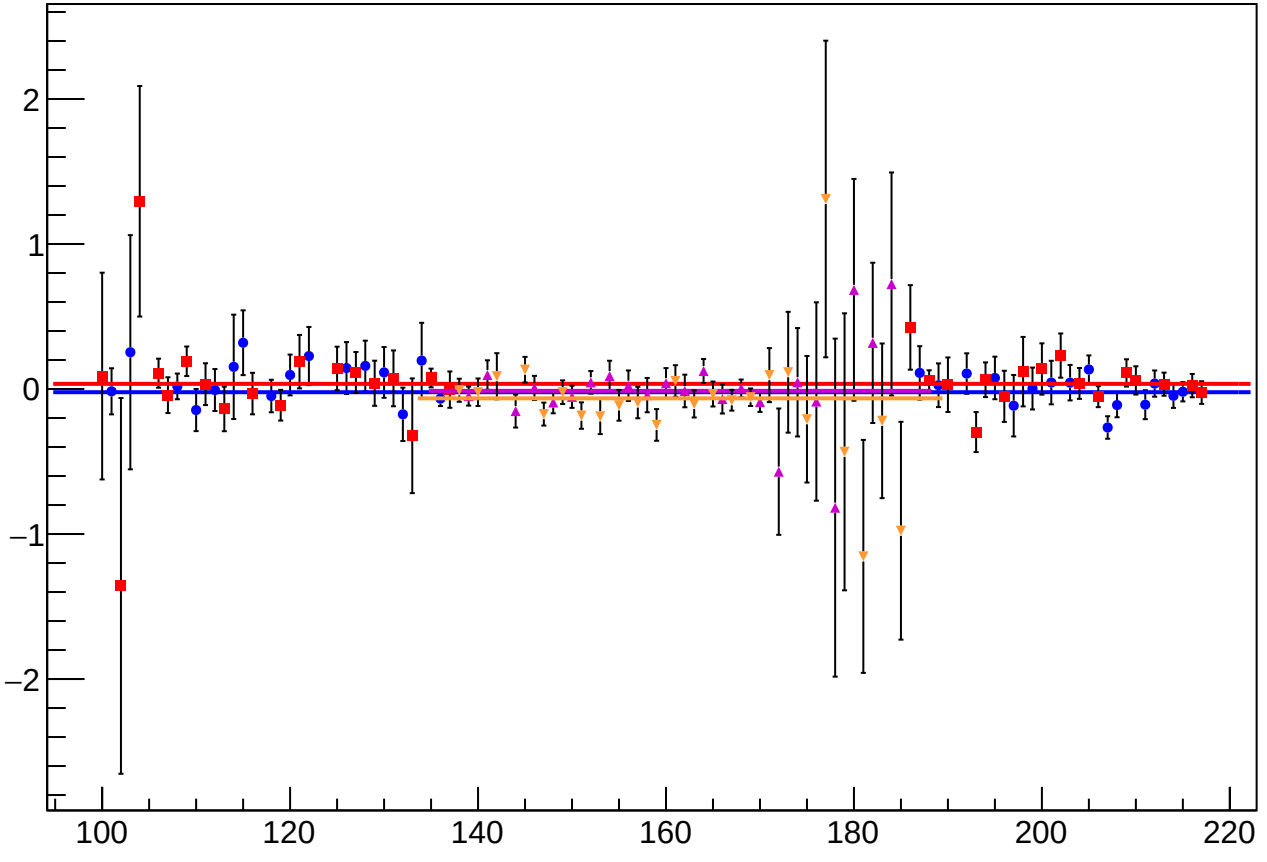
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 79.372+/-0.011 χ^2/NDF: 13188959.5/54

All: 77.918+/-0.007 χ^2/NDF: 27943599.0/11

- sign 76.567+/-0.010 χ^2/NDF: 14719031.8/56

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF: 28.1/30

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

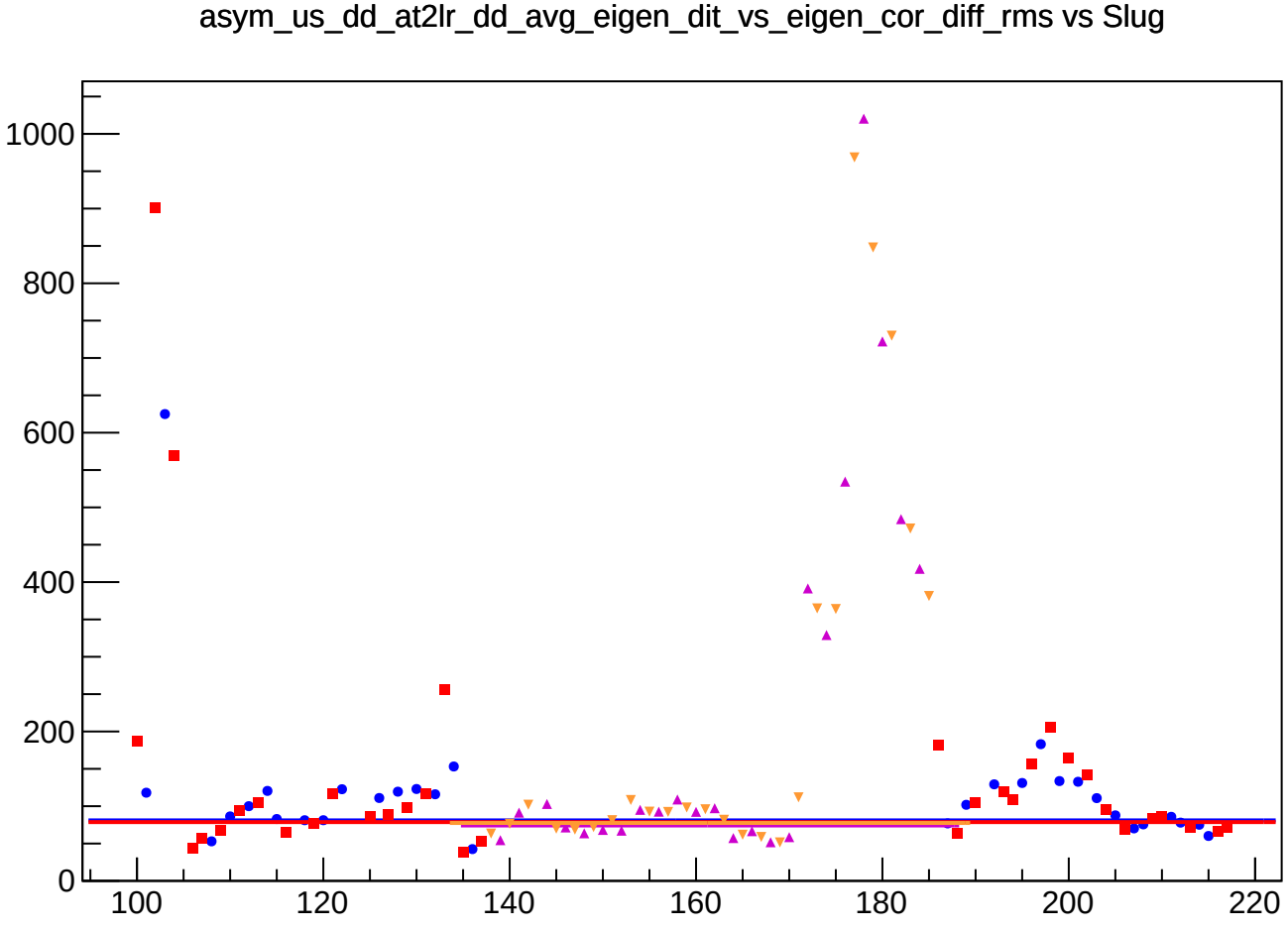
Right Out: 0.036+/-0.020 χ^2/NDF: 26.1/33

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.042+/-0.015 χ^2/NDF: 52.3/54

All: -0.014+/-0.011 χ^2/NDF: 102.9/111

- sign 0.013+/-0.015 χ^2/NDF: 43.9/56



Right In: 80.995+/-0.015 χ^2/NDF: 4831787.7/30

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

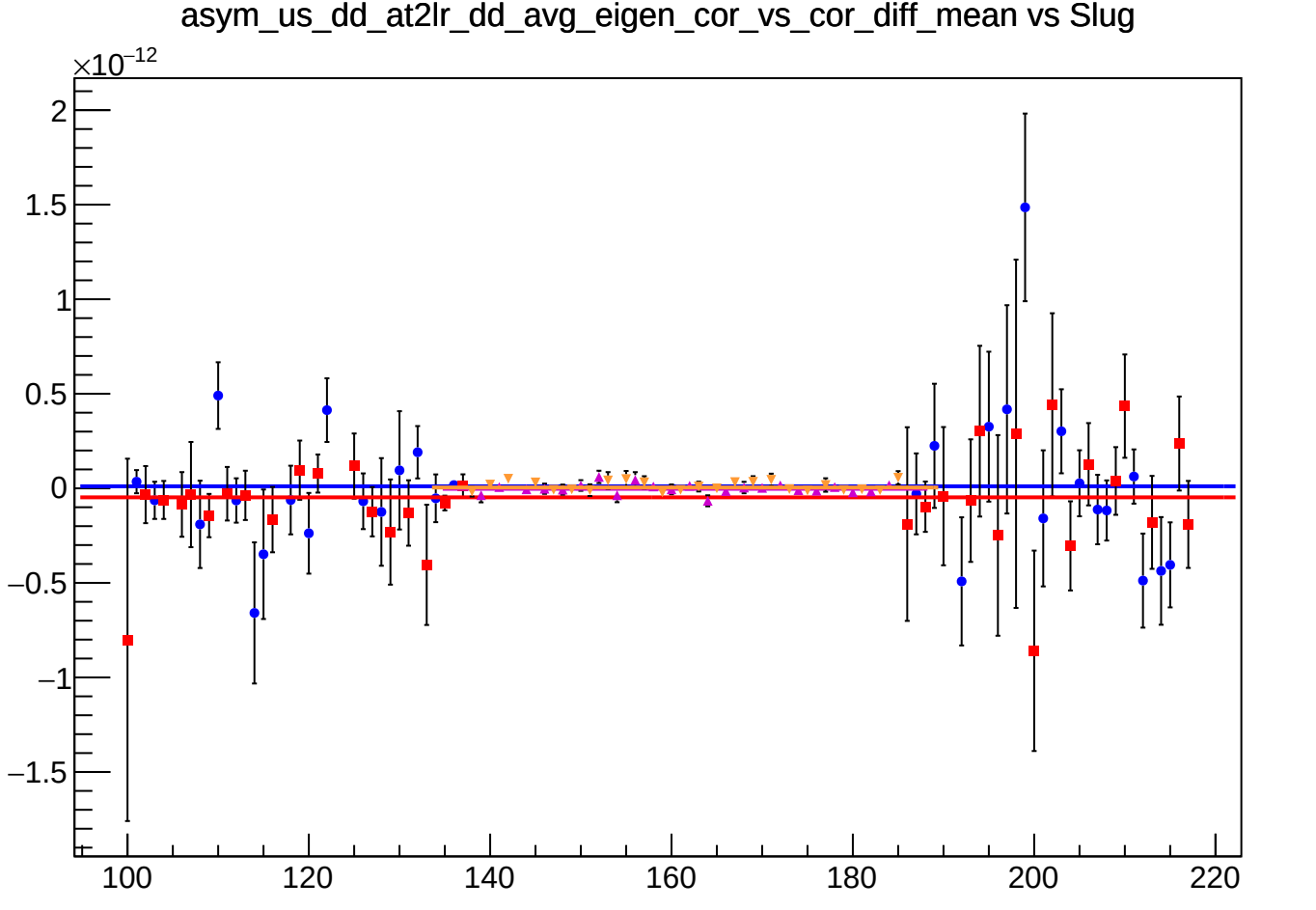
Right Out: 78.711+/-0.014 χ^2/NDF: 6157919.1/33

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 79.372+/-0.011 χ^2/NDF: 13188959.5/54

All: 77.918+/-0.007 χ^2/NDF: 27943599.0/11

- sign 76.567+/-0.010 χ^2/NDF: 14719031.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

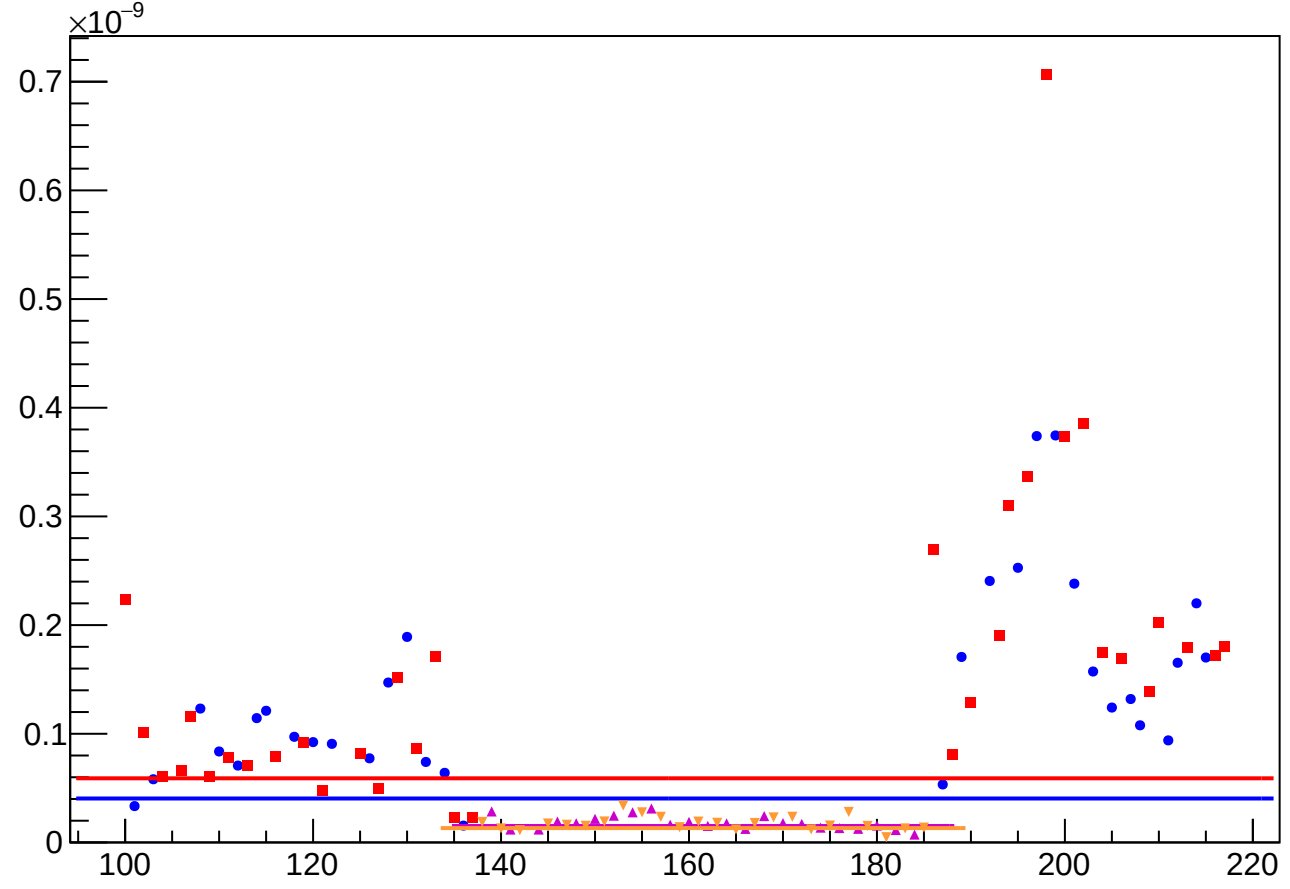
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/33

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/54

All: 0.000+/-0.000 χ^2/NDF: 115.0/111

- sign -0.000+/-0.000 χ^2/NDF: 41.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 12634810.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11447966.8/33

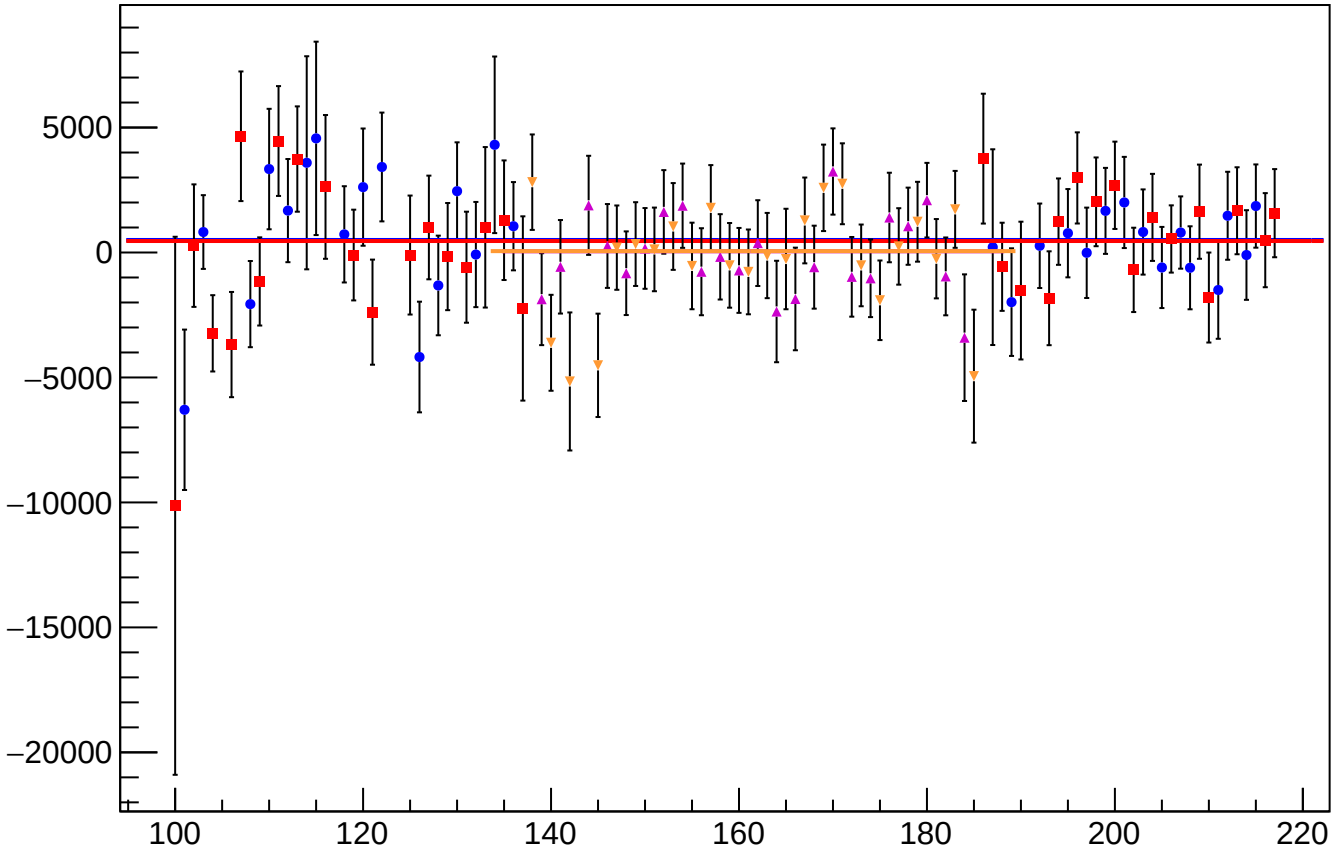
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 21025610.9/54

All: 0.000+/-0.000 χ^2/NDF: 41746880.2/111

- sign 0.000+/-0.000 χ^2/NDF: 20474619.2/56

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 500.865+/-350.376 χ^2/NDF: 26.1/30

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 459.435+/-343.391 χ^2/NDF: 35.6/33

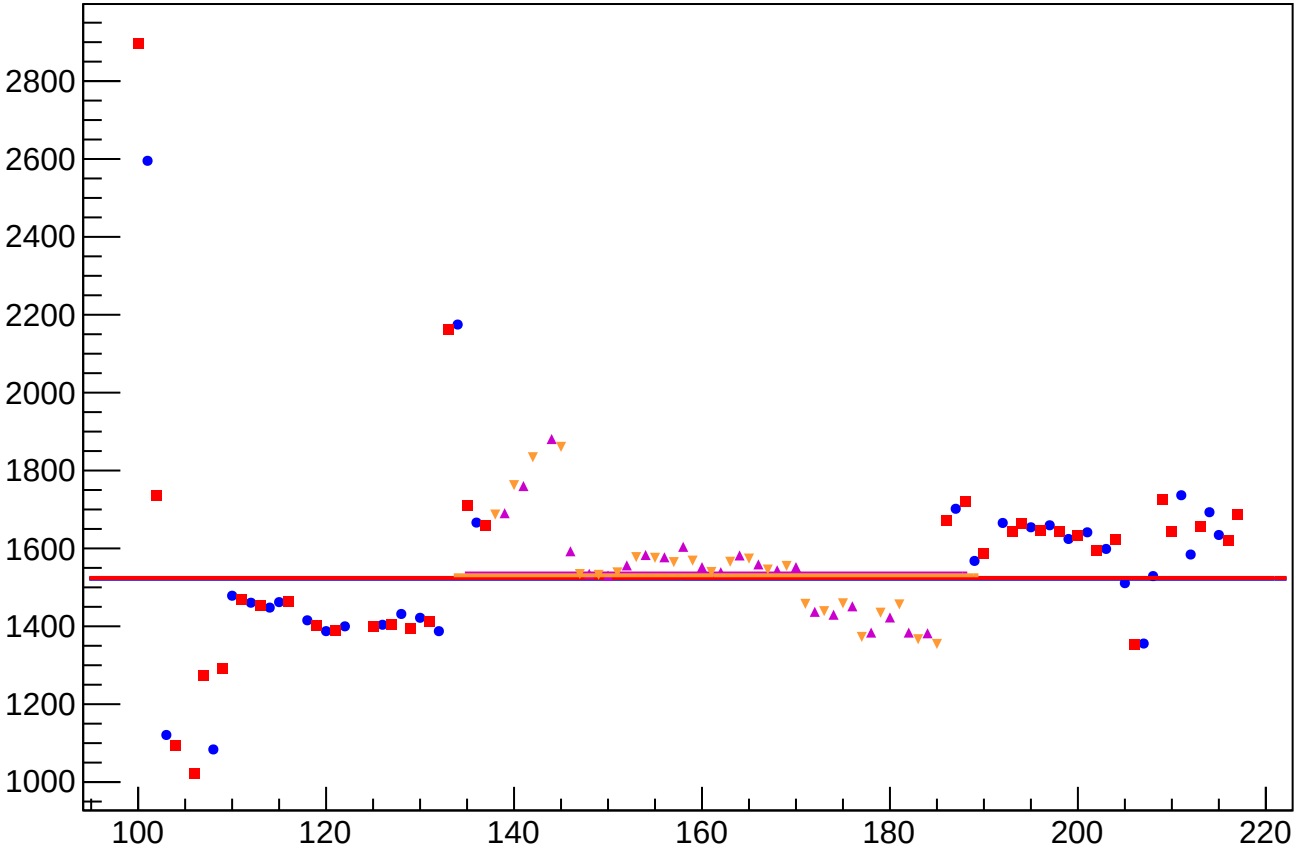
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

\+ sign 281.604+/-249.847 χ^2/NDF: 55.3/54

All: 272.368+/-176.128 χ^2/NDF: 108.4/111

\- sign 263.243+/-248.324 χ^2/NDF: 53.1/56

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.2/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

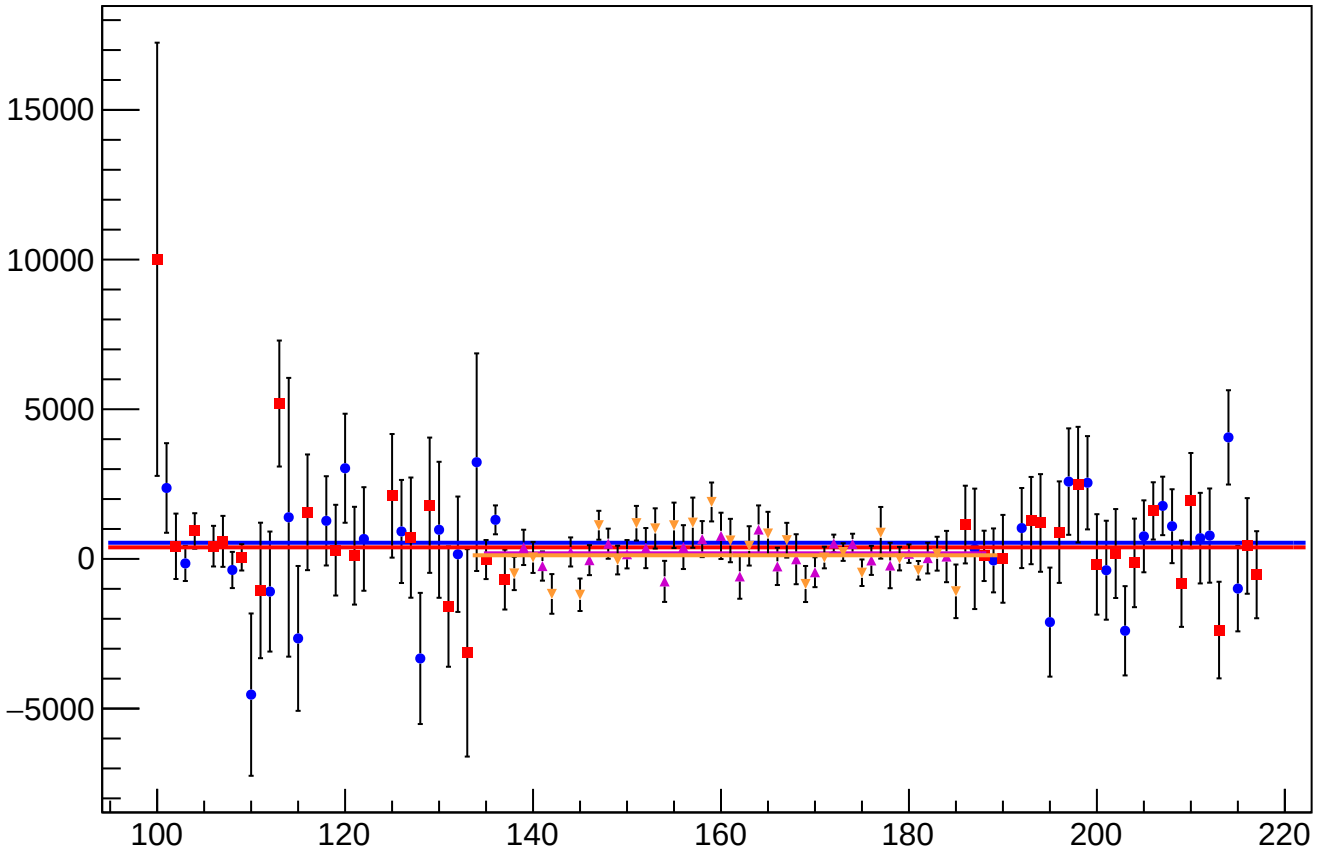
Right Out: 1524.191+/-0.243 χ^2/NDF: 701038.0/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1526.464+/-0.177 χ^2/NDF: 974806.2/54

All: 1528.047+/-0.125 χ^2/NDF: 1869480.5/11

- sign 1529.610+/-0.176 χ^2/NDF: 894514.8/56



Right In: 539.757+/-219.300 χ^2/NDF: 37.2/30

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

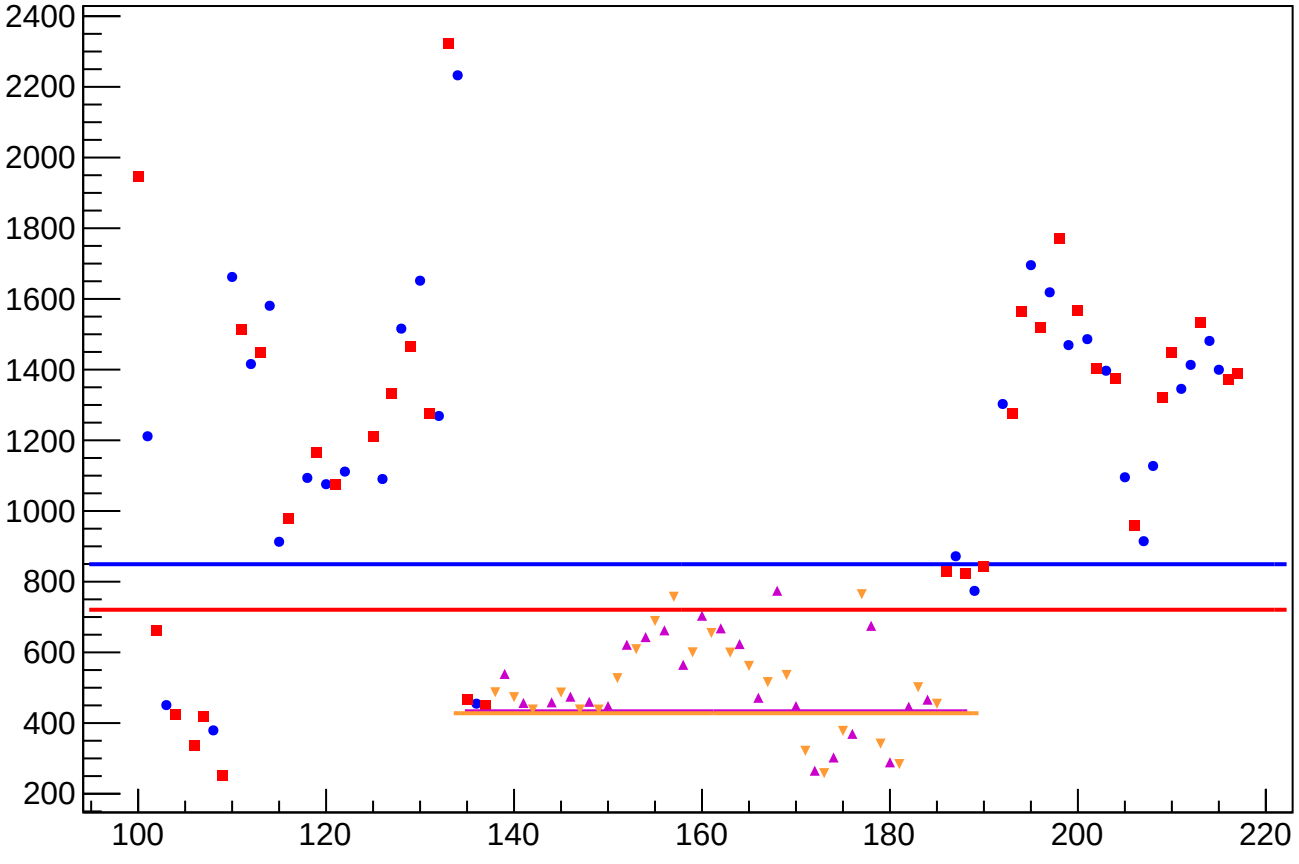
Right Out: 386.413+/-193.458 χ^2/NDF: 23.2/33

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

\+ sign 199.434+/-94.748 χ^2/NDF: 83.8/54

All: 216.704+/-66.593 χ^2/NDF: 119.5/111

\- sign 233.564+/-93.616 χ^2/NDF: 35.7/56



Right In: 849.436+/-0.155 χ^2/NDF: 8171713.4/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 720.635+/-0.137 χ^2/NDF: 11481056.2/33

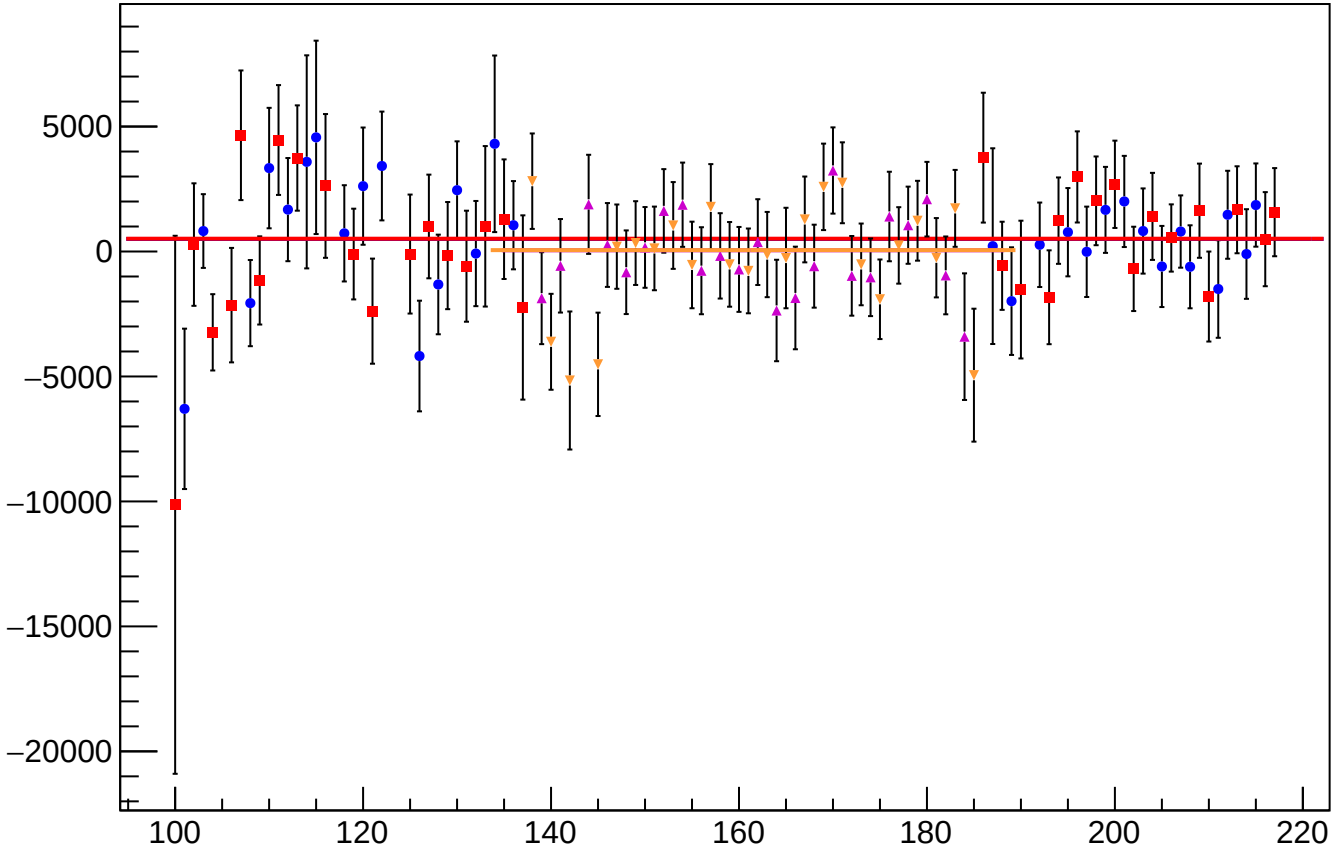
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 506.516+/-0.067 χ^2/NDF: 17372517.4/54

All: 503.508+/-0.047 χ^2/NDF: 35484781.0/11

- sign 500.572+/-0.066 χ^2/NDF: 18108280.0/56

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 500.893+/-350.376 χ^2/NDF: 26.1/30

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 511.389+/-344.100 χ^2/NDF: 33.0/33

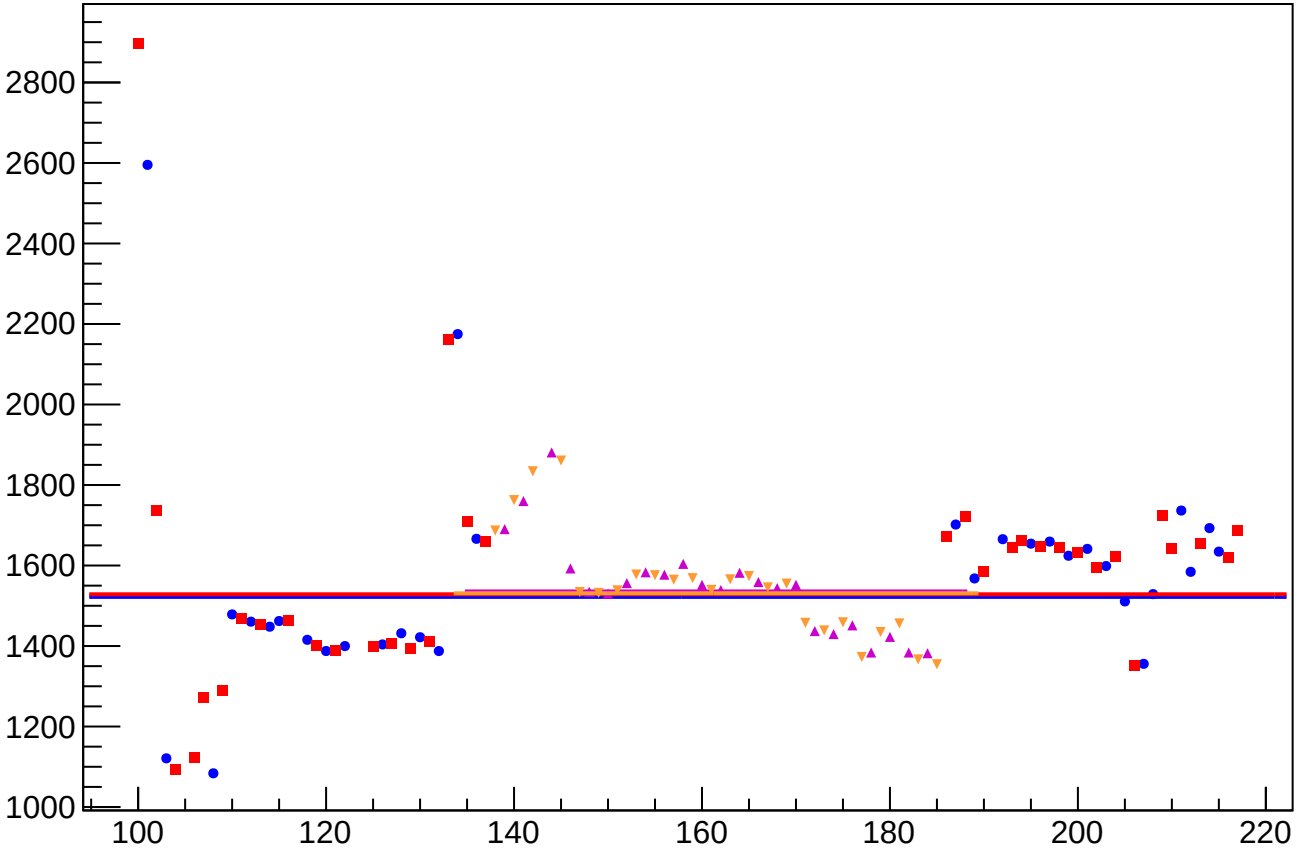
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 281.600+/-249.847 χ^2/NDF: 55.3/54

All: 285.808+/-176.223 χ^2/NDF: 106.0/111

- sign 289.974+/-248.592 χ^2/NDF: 50.6/56

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.5/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

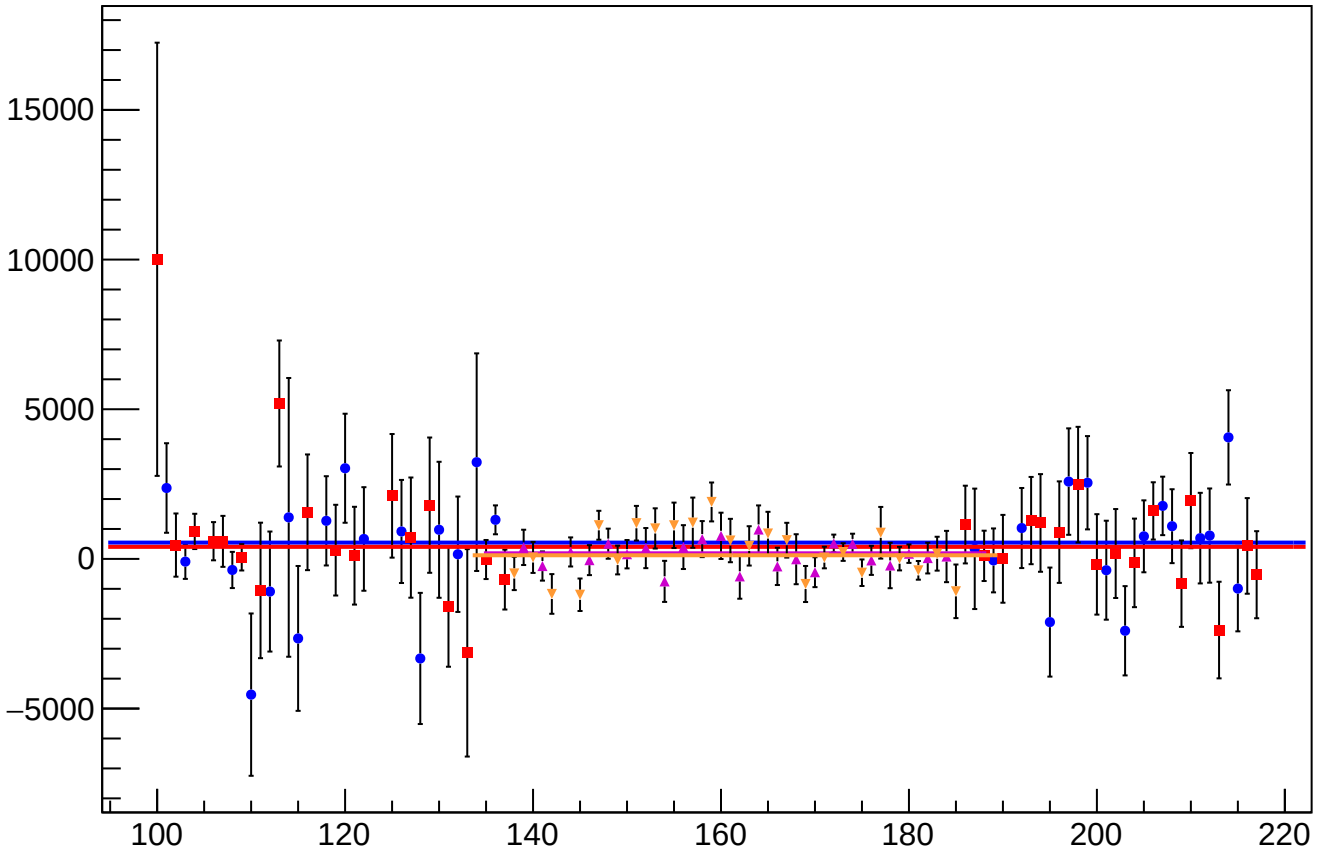
Right Out: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1526.464+/-0.177 χ^2/NDF: 974806.6/54

All: 1529.182+/-0.125 χ^2/NDF: 1817102.7/11

- sign 1531.872+/-0.176 χ^2/NDF: 841825.2/56



Right In: 544.687+/-218.706 χ^2/NDF: 37.0/30

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

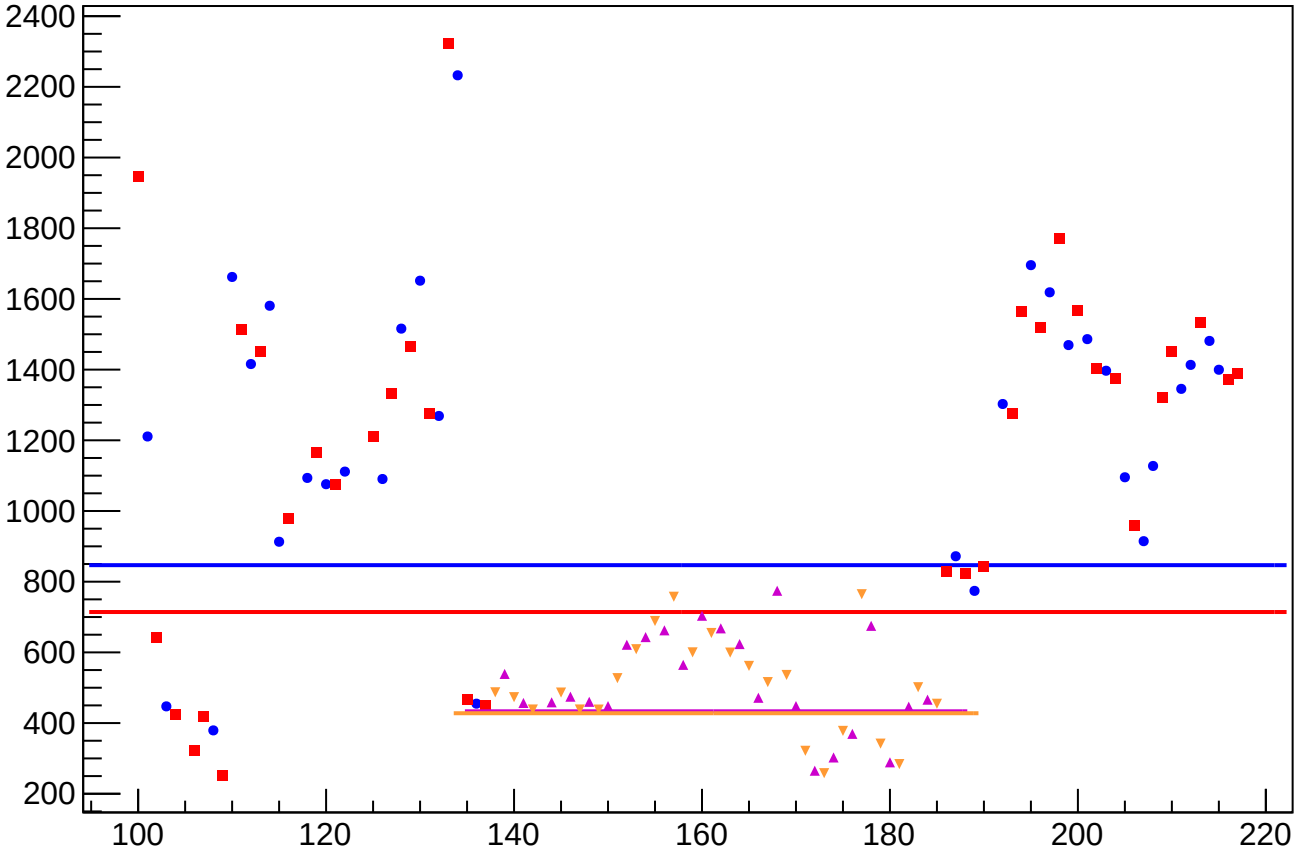
Right Out: 402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 200.702+/-94.700 χ^2/NDF: 83.7/54

All: 219.603+/-66.521 χ^2/NDF: 119.7/111

- sign 238.013+/-93.460 χ^2/NDF: 35.8/56



Right In: 846.767+/-0.155 χ^2/NDF: 8224113.9/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

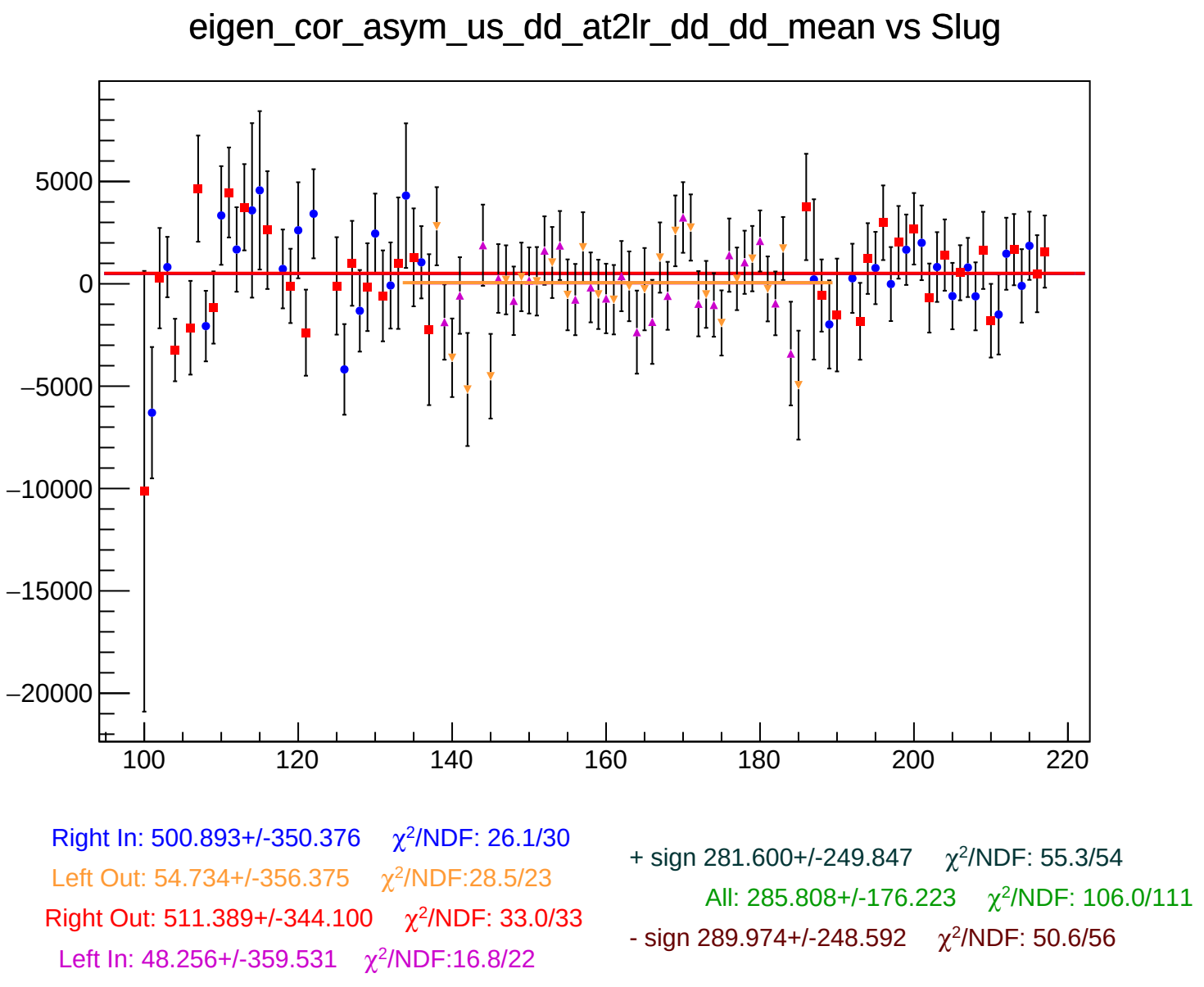
Right Out: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

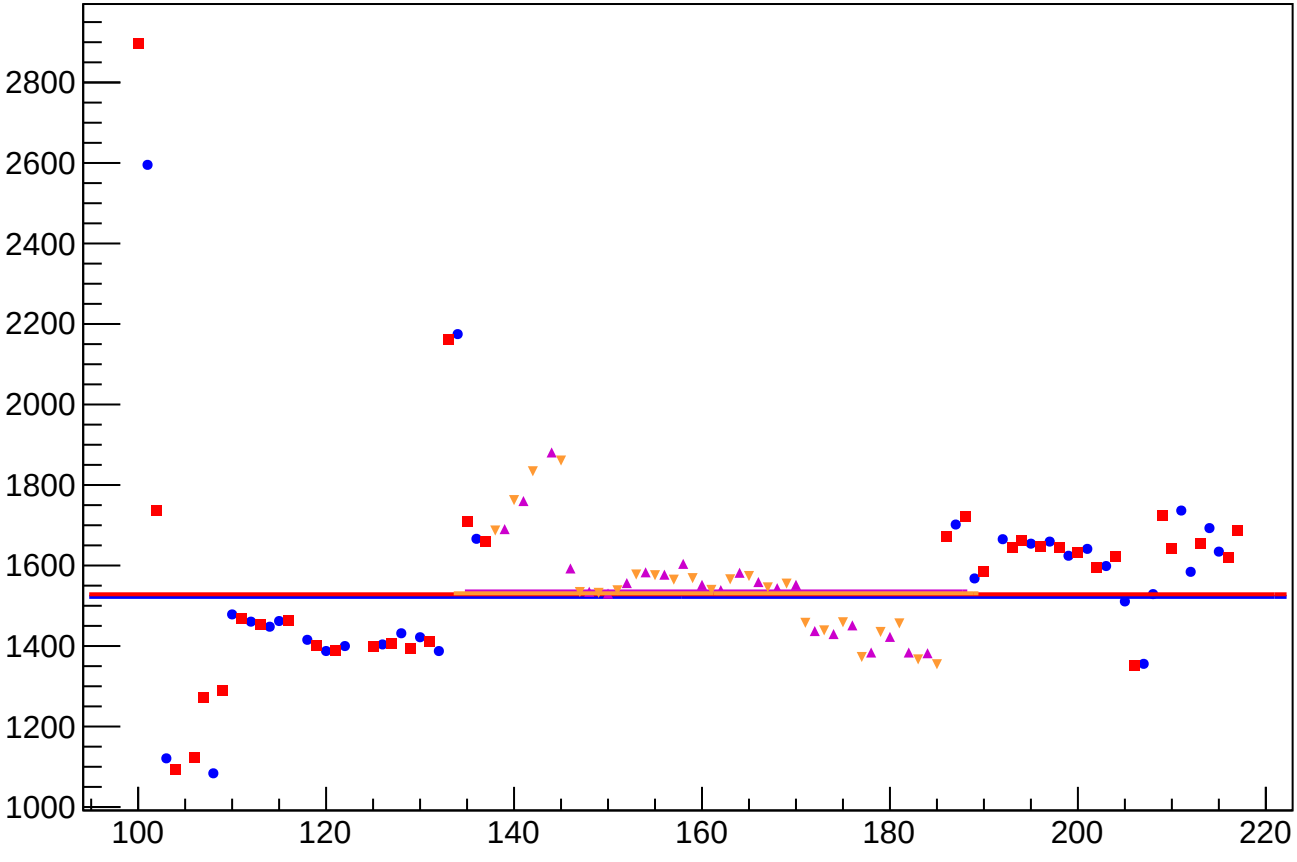
+ sign 506.364+/-0.067 χ^2/NDF: 17375508.1/54

All: 503.029+/-0.047 χ^2/NDF: 35517788.1/11

- sign 499.780+/-0.066 χ^2/NDF: 18137383.1/56


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: 500.893+/-350.376 χ²/NDF: 26.1/30
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: 511.389+/-344.100 χ²/NDF: 33.0/33
Left In: 48.256+/-359.531 χ²/NDF:16.8/22
+ sign 281.600+/-249.847 χ²/NDF: 55.3/54
All: 285.808+/-176.223 χ²/NDF: 106.0/111
- sign 289.974+/-248.592 χ²/NDF: 50.6/56

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1522.104+/-0.248 χ^2/NDF: 770636.5/30

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

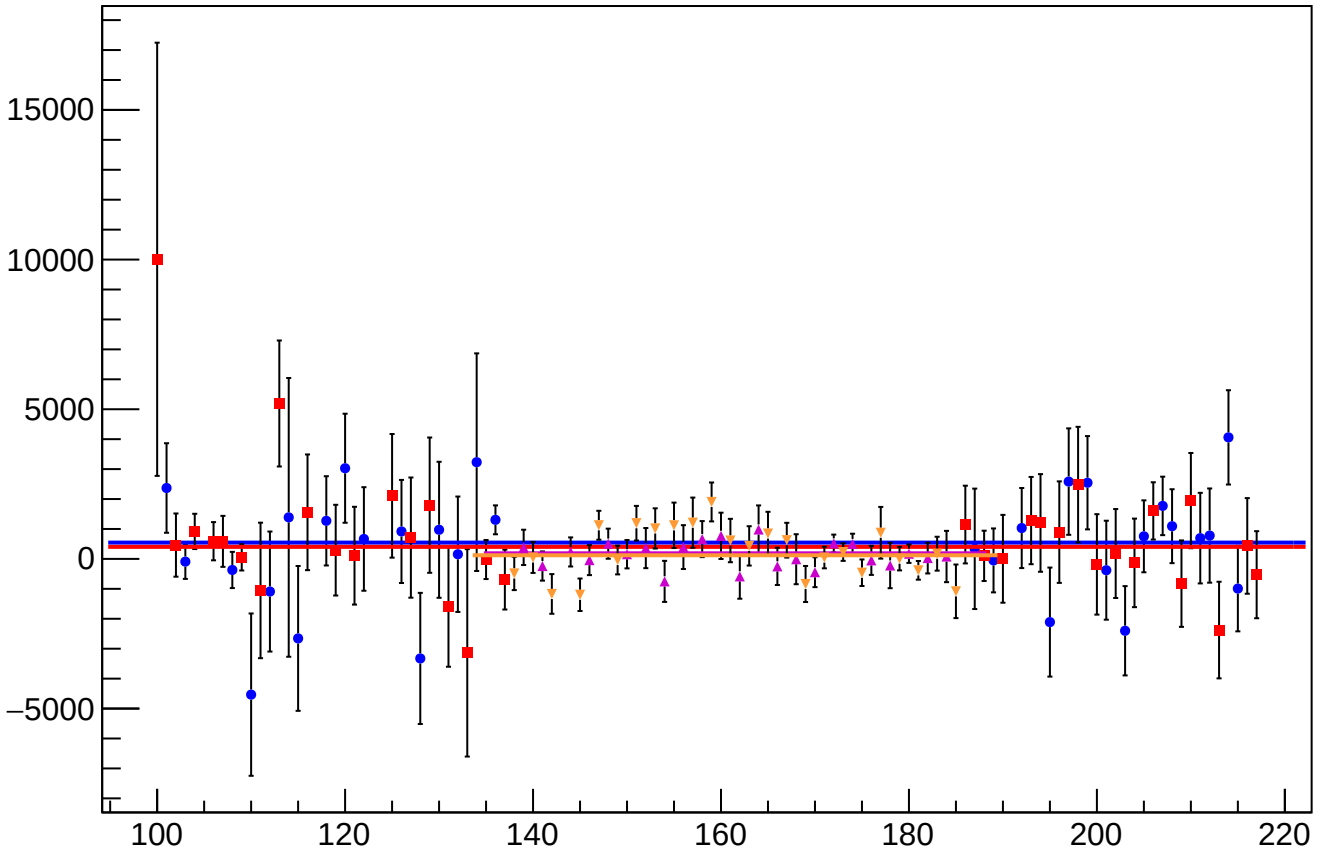
Right Out: 1528.503+/-0.243 χ^2/NDF: 648991.4/33

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1526.464+/-0.177 χ^2/NDF: 974806.6/54

All: 1529.182+/-0.125 χ^2/NDF: 1817102.7/11

- sign 1531.872+/-0.176 χ^2/NDF: 841825.2/56



Right In: 544.687+/-218.706 χ^2/NDF: 37.0/30

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

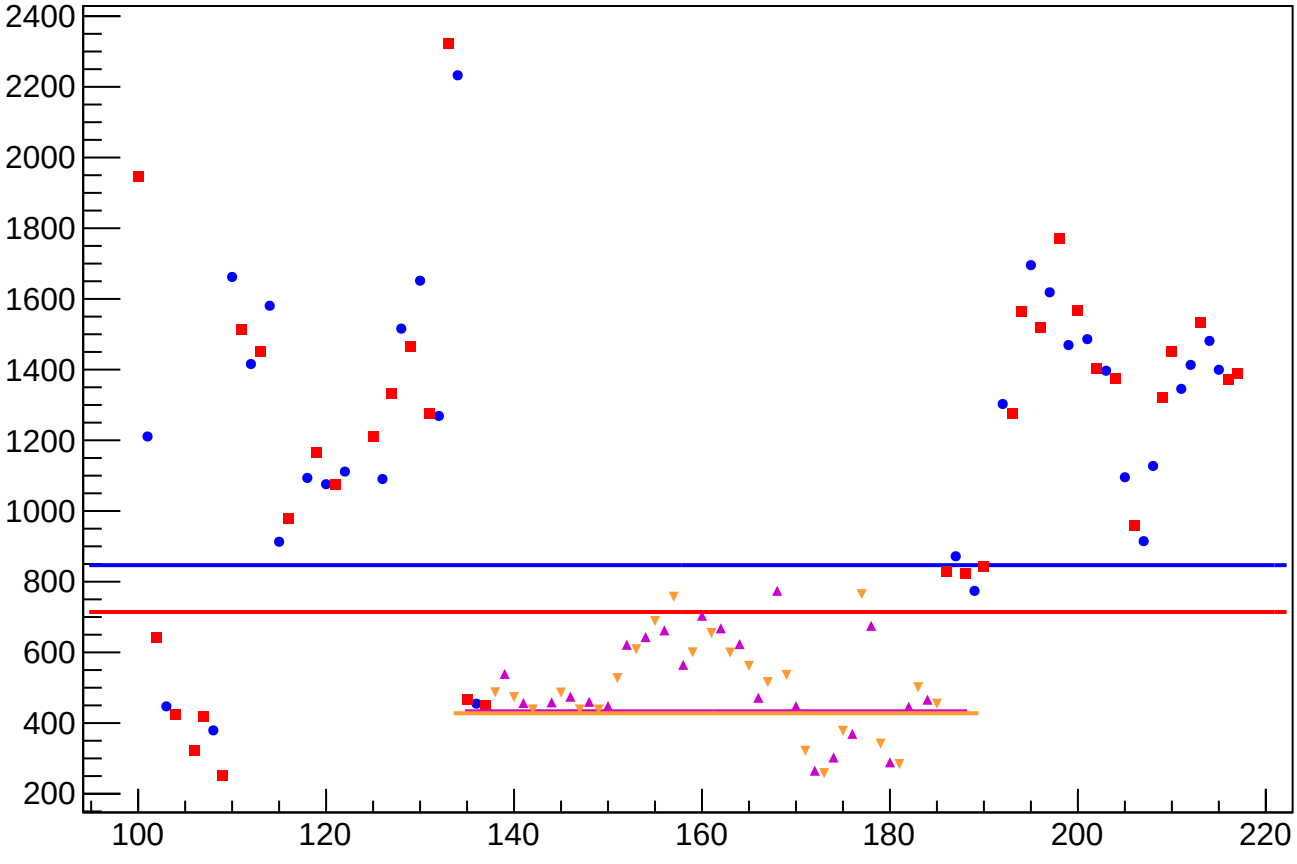
Right Out: 402.387+/-192.096 χ^2/NDF: 23.3/33

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 200.702+/-94.700 χ^2/NDF: 83.7/54

All: 219.603+/-66.521 χ^2/NDF: 119.7/111

- sign 238.013+/-93.460 χ^2/NDF: 35.8/56



Right In: 846.767+/-0.155 χ^2/NDF: 8224113.9/30

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 714.197+/-0.136 χ^2/NDF: 11624956.3/33

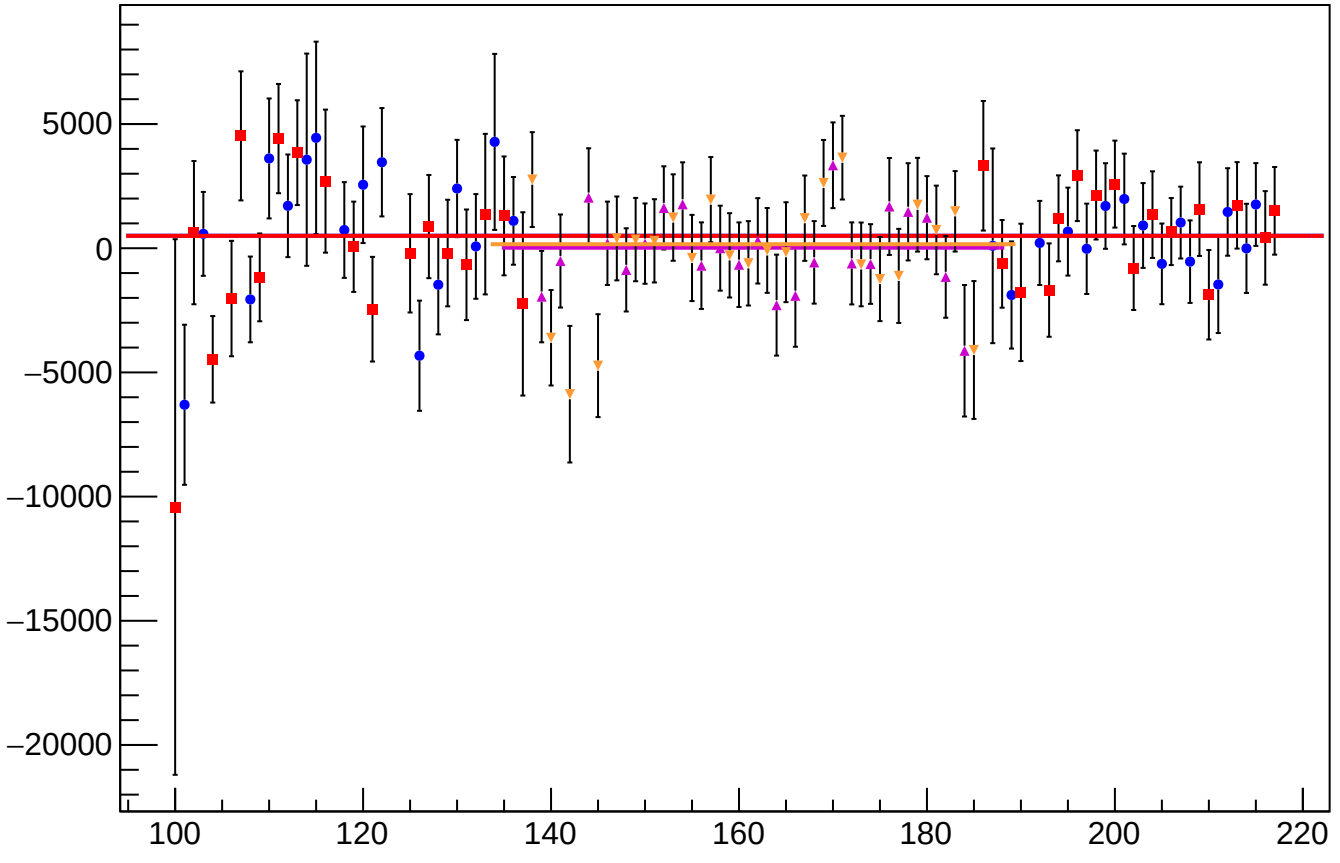
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 506.364+/-0.067 χ^2/NDF: 17375508.1/54

All: 503.029+/-0.047 χ^2/NDF: 35517788.1/11

- sign 499.780+/-0.066 χ^2/NDF: 18137383.1/56

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 503.610+/-353.263 χ^2/NDF: 26.3/30

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 497.658+/-347.835 χ^2/NDF: 34.7/33

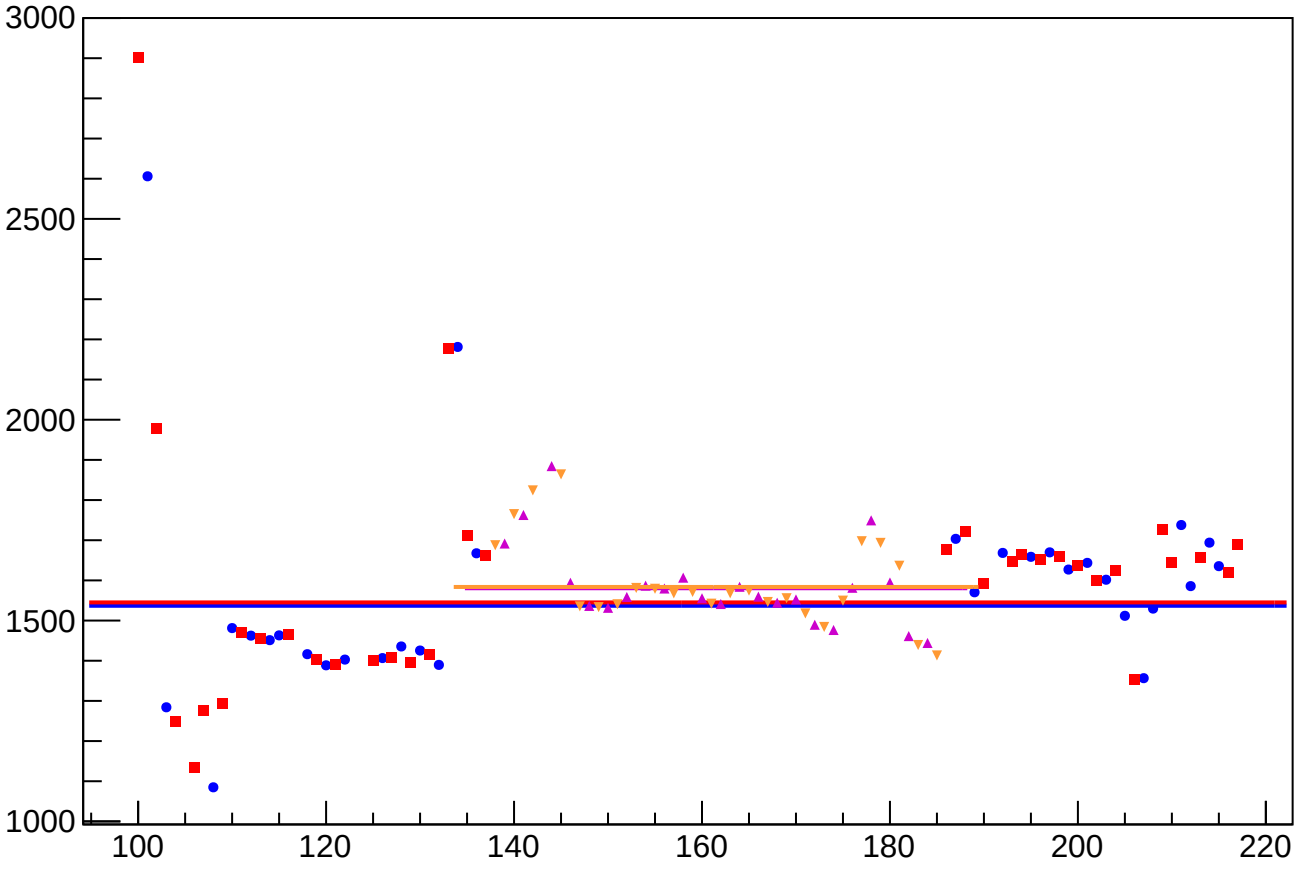
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

+ sign 339.755+/-254.967 χ^2/NDF: 56.7/54

All: 306.439+/-179.718 χ^2/NDF: 108.3/111

- sign 273.541+/-253.360 χ^2/NDF: 51.6/56

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1536.841+/-0.250 χ^2/NDF: 664101.0/30

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

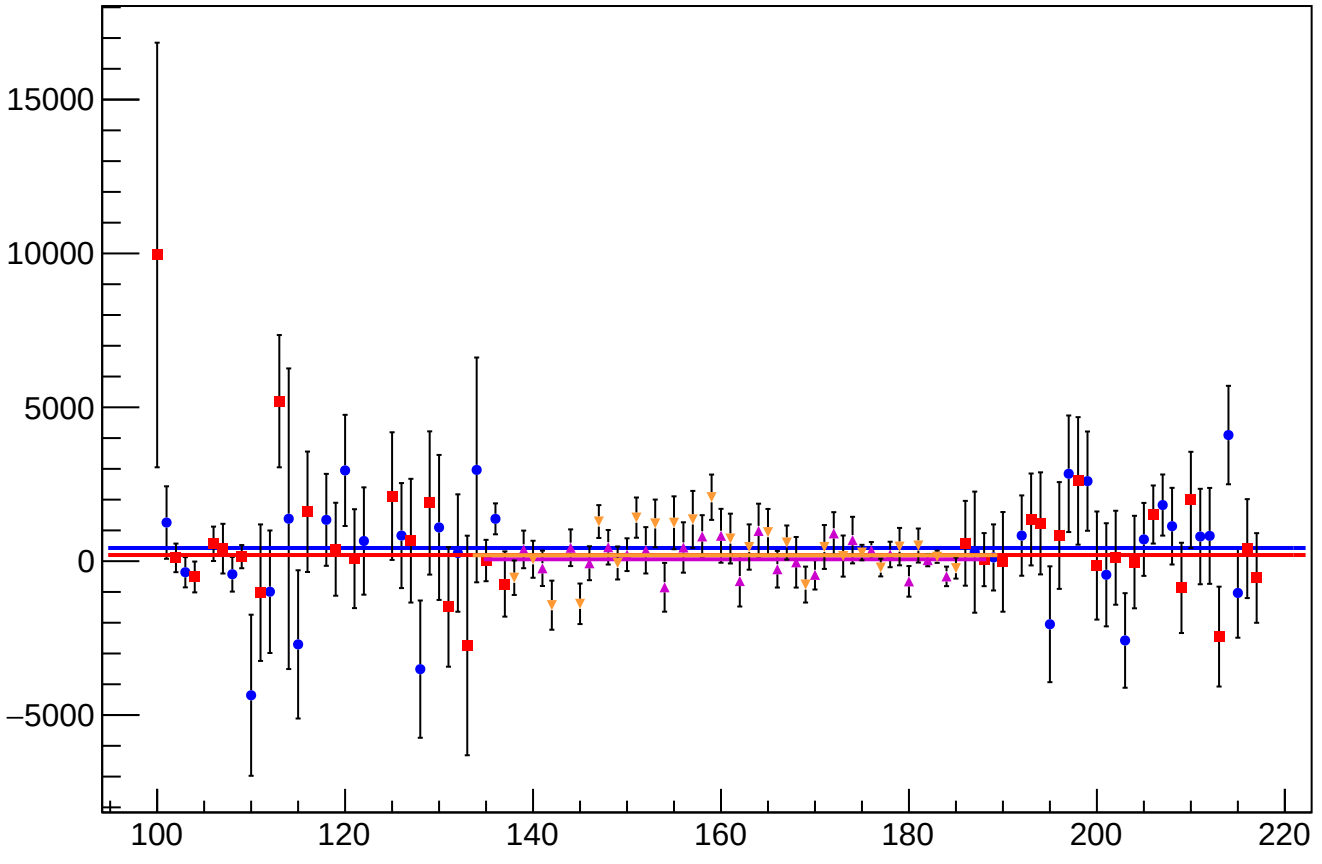
Right Out: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1559.277+/-0.180 χ^2/NDF: 814523.9/54

All: 1560.520+/-0.127 χ^2/NDF: 1518399.6/11

- sign 1561.748+/-0.179 χ^2/NDF: 703781.2/56



Right In: 428.832+/-212.093 χ^2/NDF: 38.8/30

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

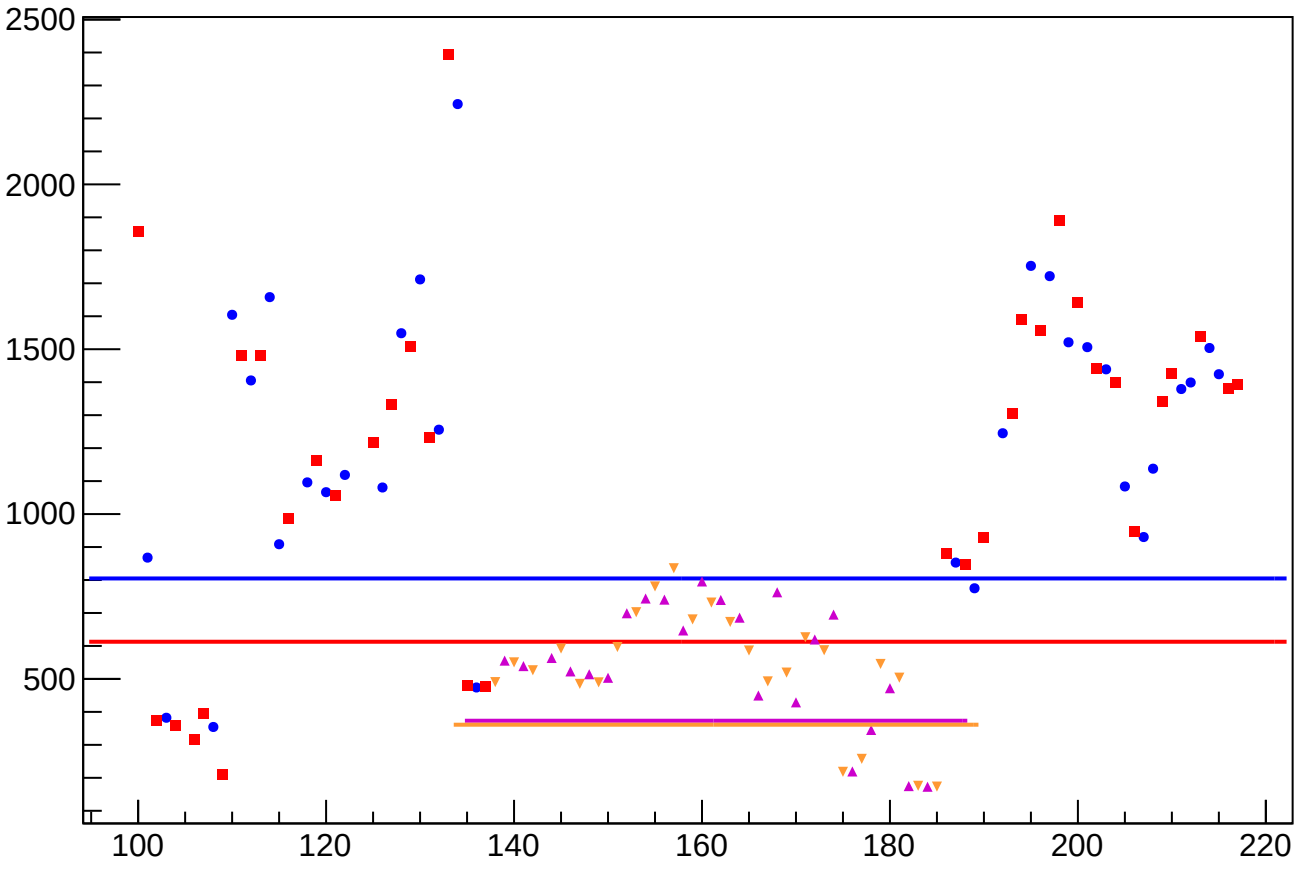
Right Out: 200.203+/-171.230 χ^2/NDF: 23.9/33

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 233.282+/-87.378 χ^2/NDF: 79.9/54

All: 164.262+/-61.354 χ^2/NDF: 122.5/111

- sign 97.137+/-86.170 χ^2/NDF: 41.4/56



Right In: 804.712+/-0.150 χ^2/NDF: 9122335.3/30

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

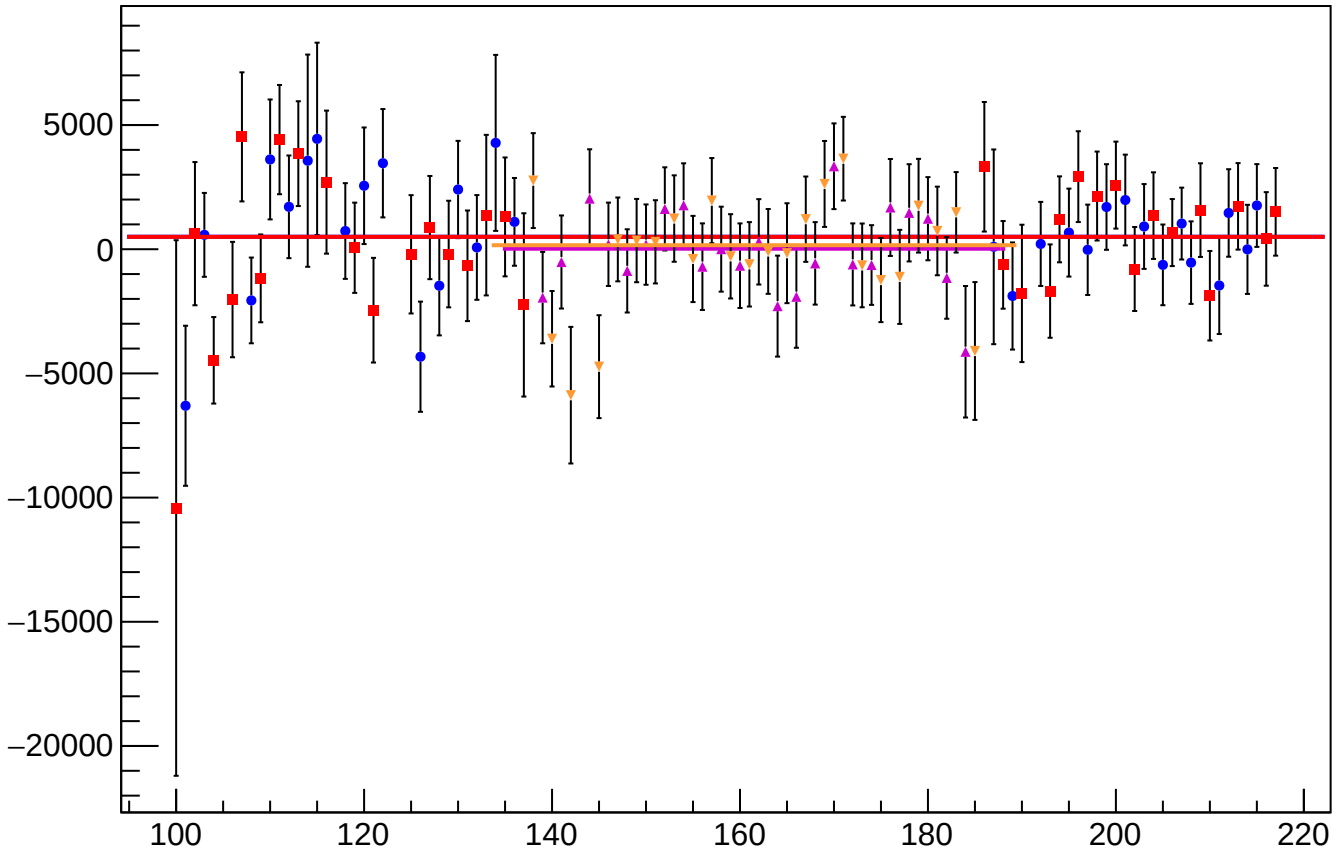
Right Out: 612.754+/-0.121 χ^2/NDF: 14308317.8/33

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 436.392+/-0.062 χ^2/NDF: 24569947.4/54

All: 435.090+/-0.043 χ^2/NDF: 50011110.0/11

- sign 433.823+/-0.061 χ^2/NDF: 25440286.3/56



Right In: 503.604+/-353.263 χ^2/NDF: 26.3/30

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 497.656+/-347.835 χ^2/NDF: 34.7/33

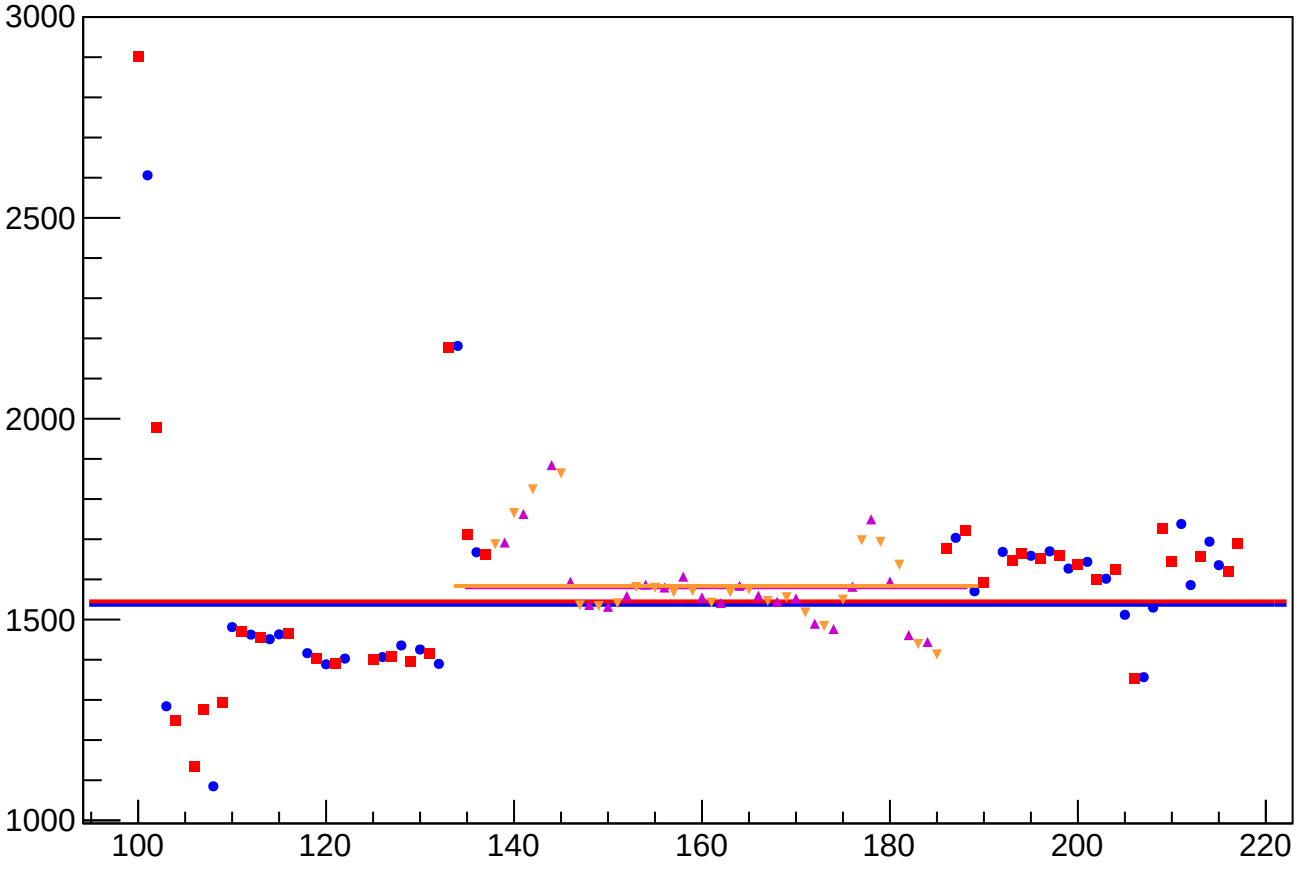
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

+ sign 339.750+/-254.967 χ^2/NDF: 56.7/54

All: 306.435+/-179.718 χ^2/NDF: 108.3/111

- sign 273.539+/-253.360 χ^2/NDF: 51.6/56

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1536.841+/-0.250 χ^2/NDF: 664100.6/30

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

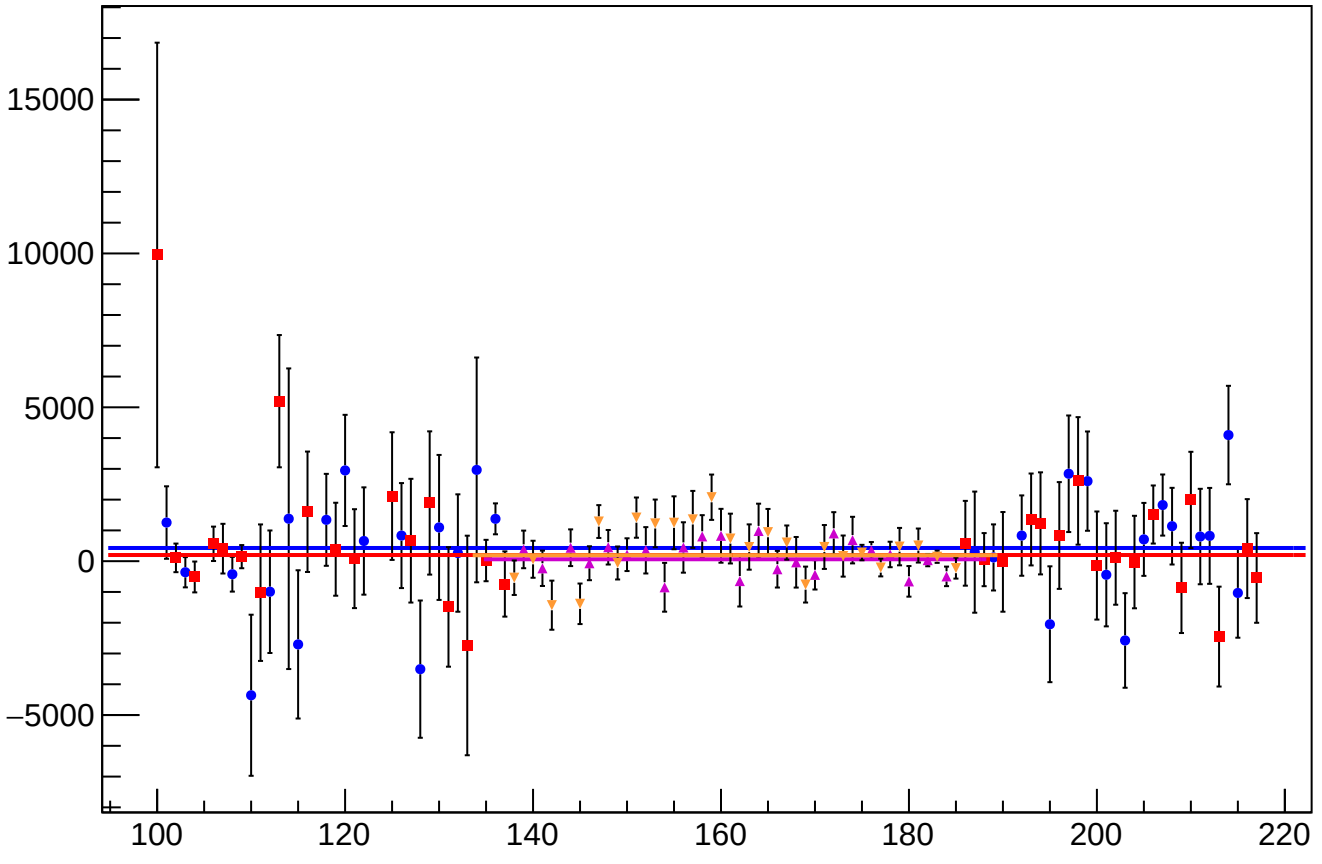
Right Out: 1545.188+/-0.246 χ^2/NDF: 568378.5/33

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1559.277+/-0.180 χ^2/NDF: 814523.4/54

All: 1560.520+/-0.127 χ^2/NDF: 1518399.0/11

- sign 1561.748+/-0.179 χ^2/NDF: 703781.0/56



Right In: 428.828+/-212.093 χ^2/NDF: 38.8/30

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

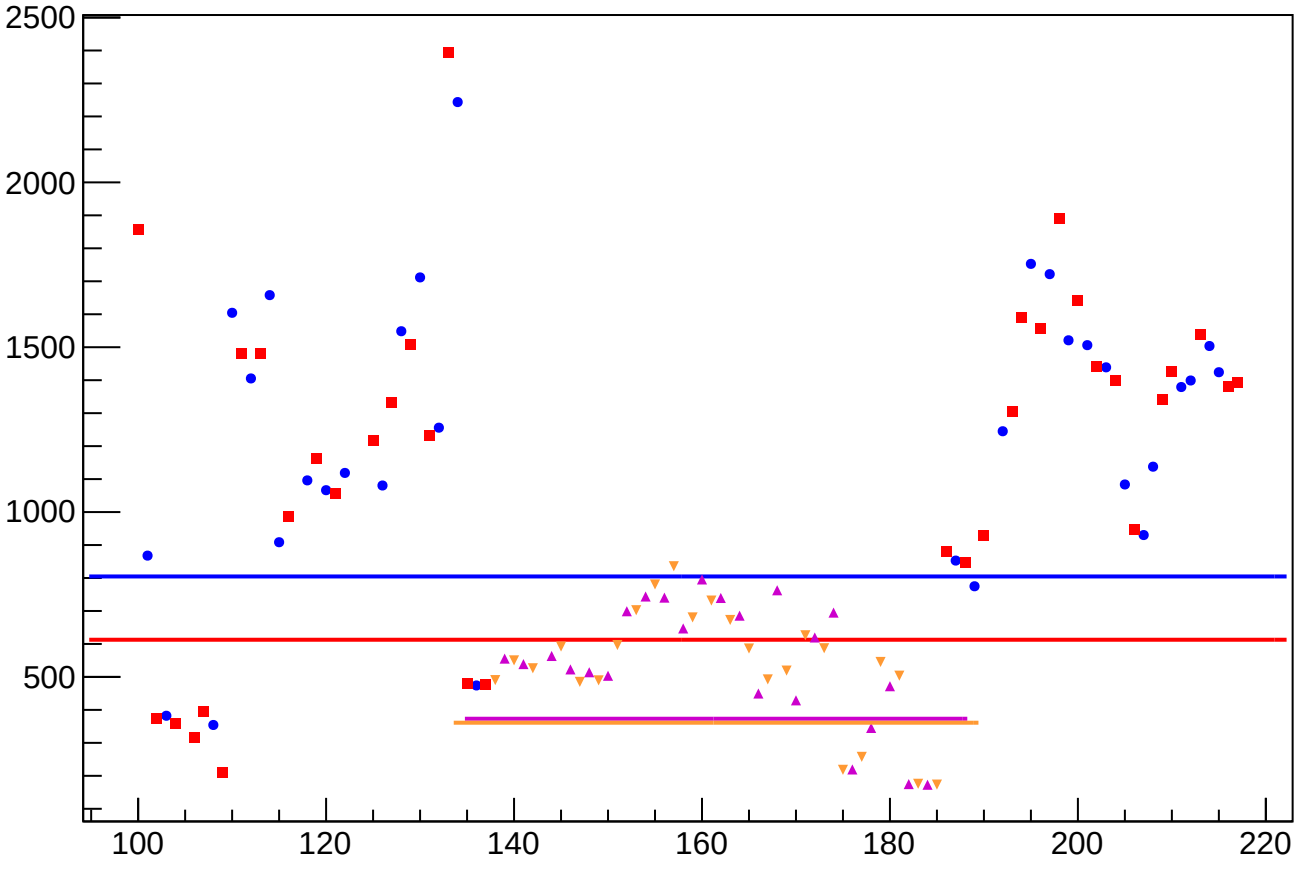
Right Out: 200.201+/-171.231 χ^2/NDF: 23.9/33

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 233.286+/-87.378 χ^2/NDF: 79.9/54

All: 164.263+/-61.354 χ^2/NDF: 122.5/111

- sign 97.135+/-86.171 χ^2/NDF: 41.4/56



Right In: 804.709+/-0.150 χ^2/NDF: 9122352.8/30

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

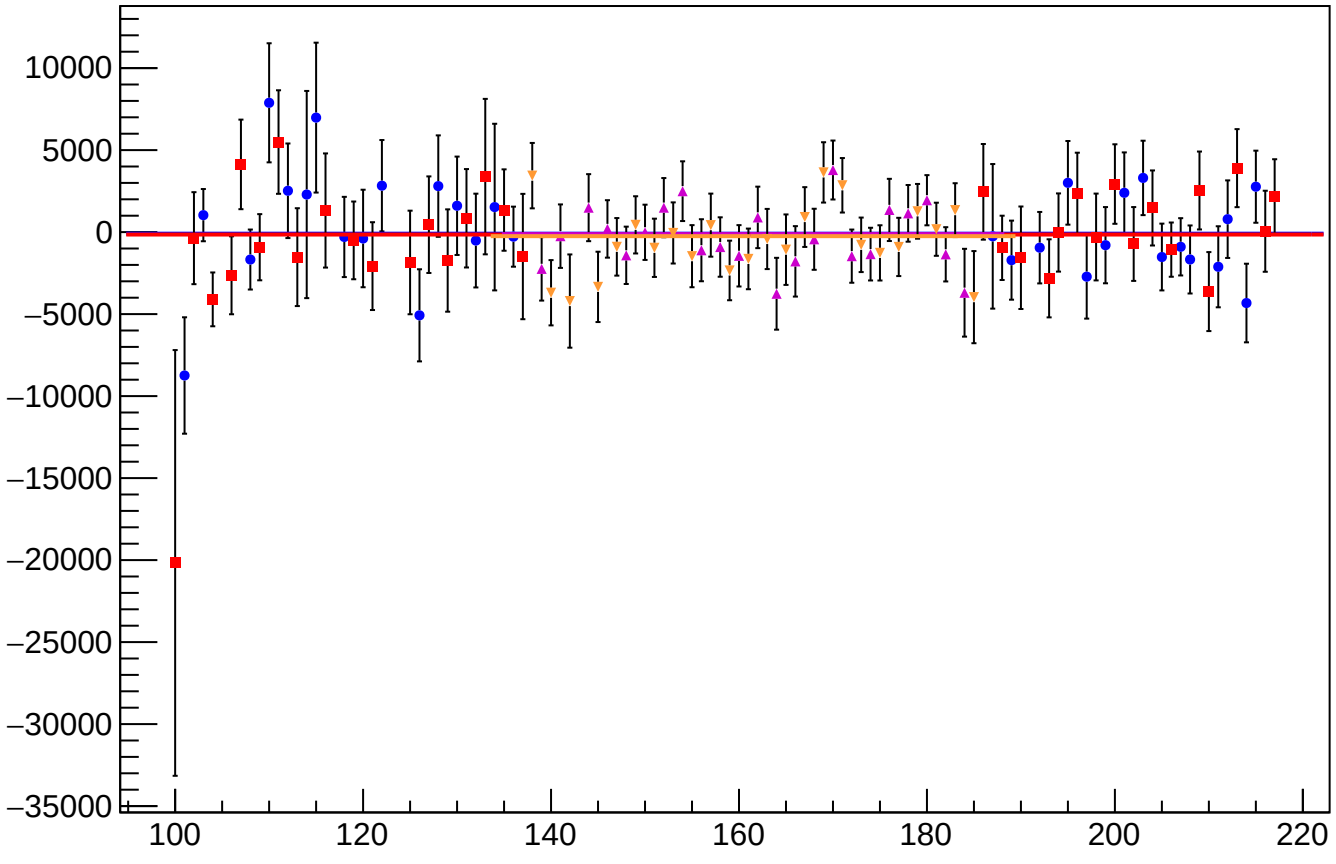
Right Out: 612.760+/-0.121 χ^2/NDF: 14308128.4/33

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 436.396+/-0.062 χ^2/NDF: 24569619.1/54

All: 435.094+/-0.043 χ^2/NDF: 50010354.1/11

- sign 433.828+/-0.061 χ^2/NDF: 25439859.7/56



Right In: -95.862+/-444.428 χ^2/NDF: 34.4/30

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -147.721+/-433.606 χ^2/NDF: 30.9/33

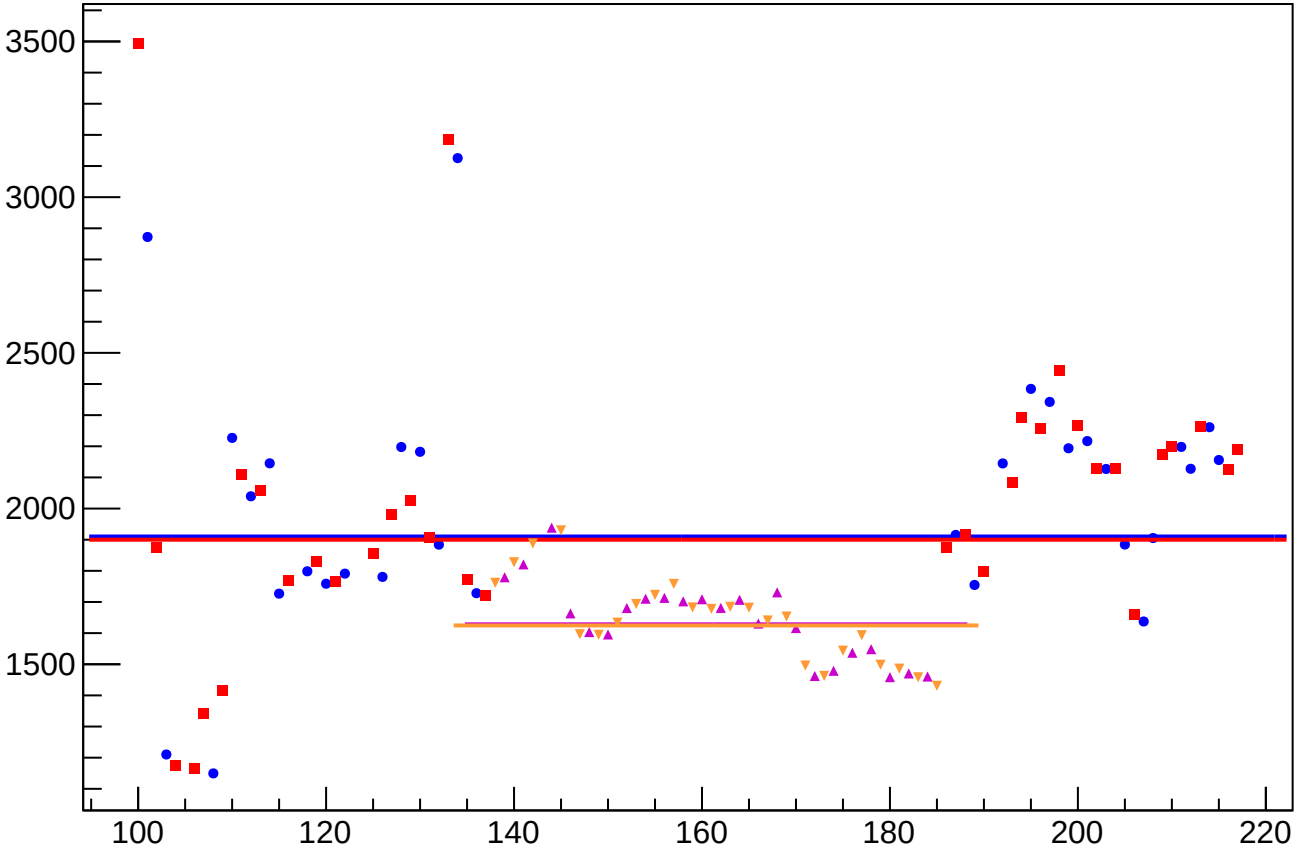
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -183.579+/-288.037 χ^2/NDF: 60.5/54

All: -159.416+/-203.070 χ^2/NDF: 112.6/111

- sign -135.536+/-286.339 χ^2/NDF: 52.1/56

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1910.240+/-0.314 χ^2/NDF: 1487760.8/30

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

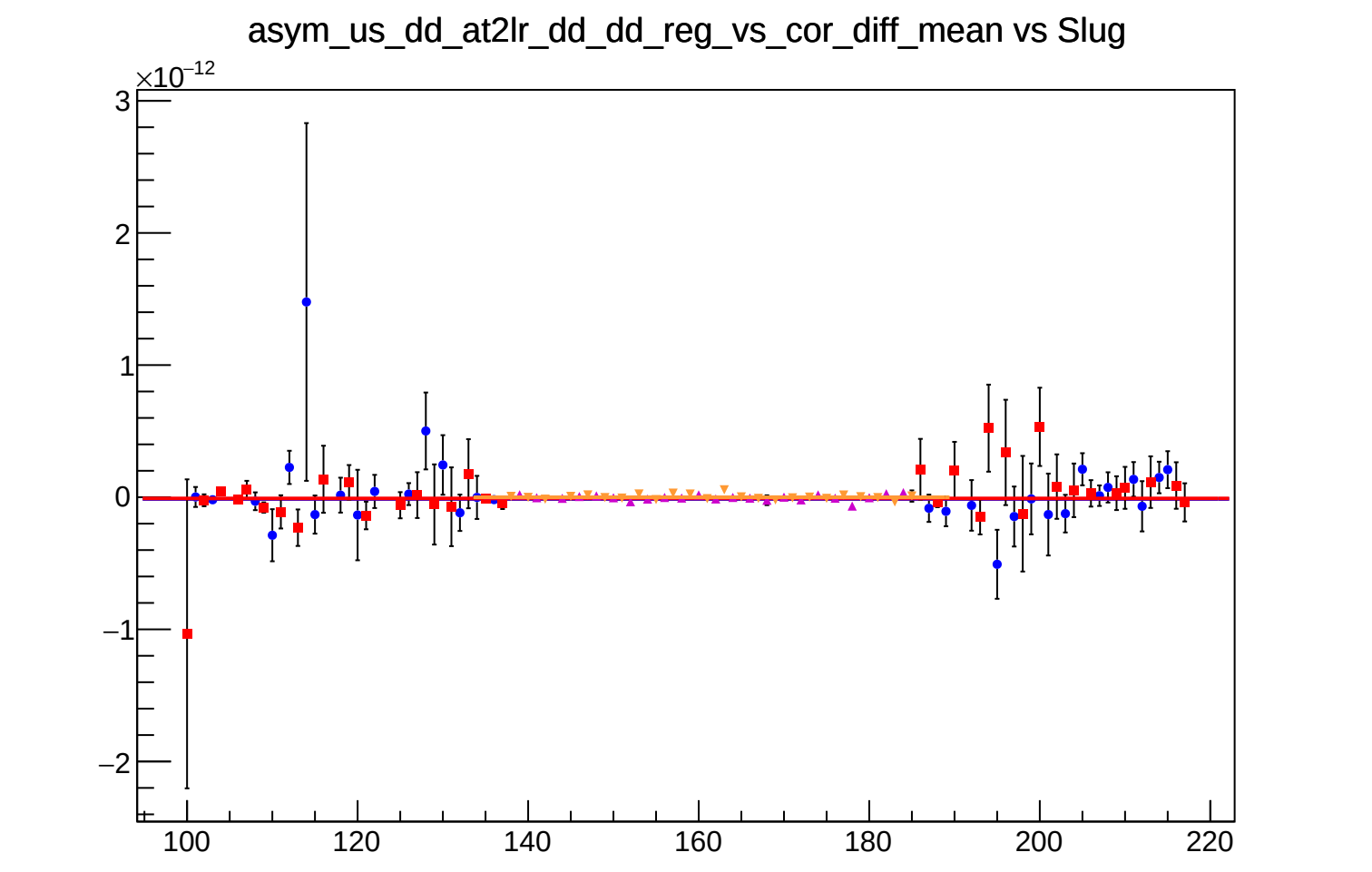
Right Out: 1900.023+/-0.307 χ^2/NDF: 1470259.3/33

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1744.589+/-0.204 χ^2/NDF: 2174109.3/54

All: 1745.676+/-0.144 χ^2/NDF: 4292464.5/11

- sign 1746.749+/-0.202 χ^2/NDF: 2118298.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

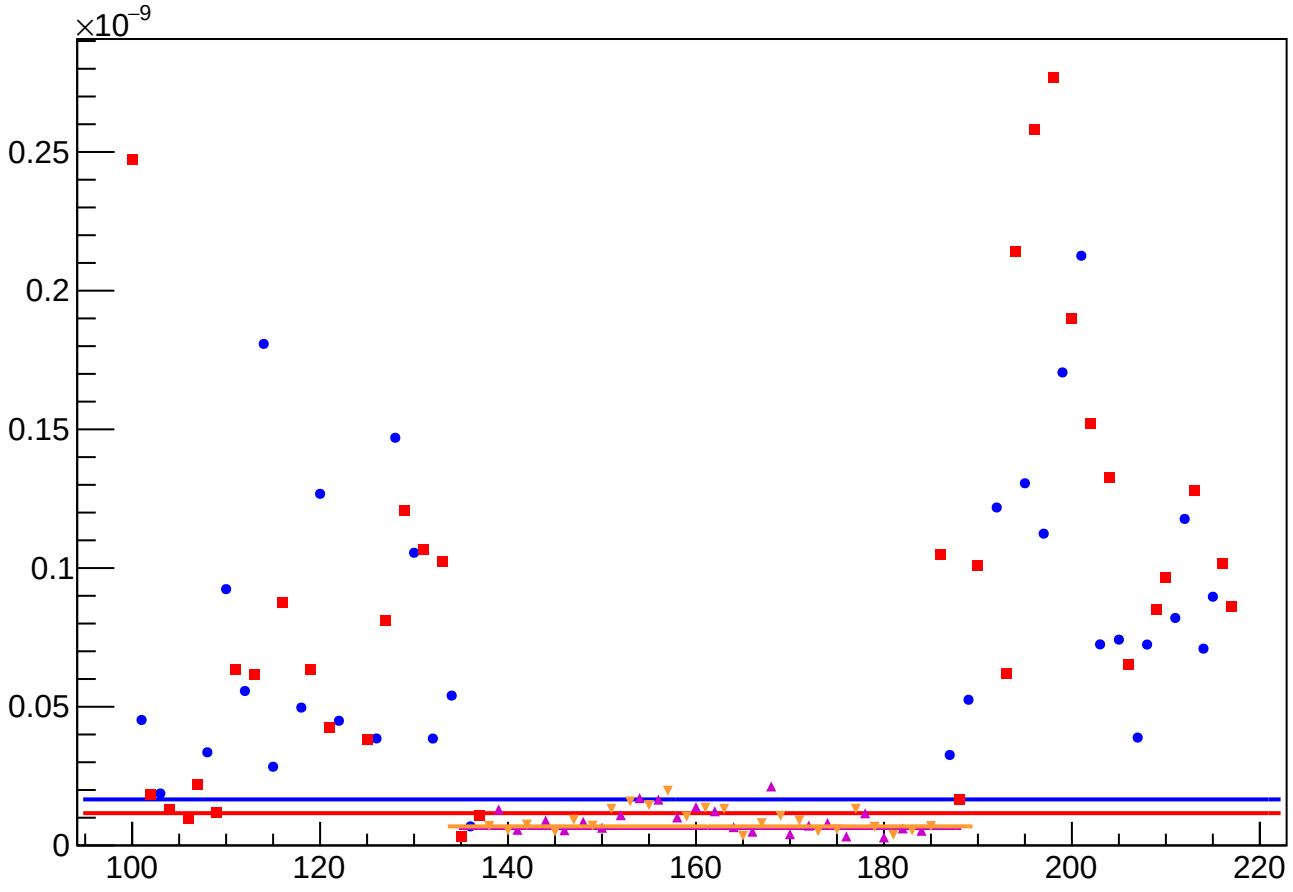
Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/33

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.3/54

All: -0.000+/-0.000 χ^2/NDF: 106.7/111

- sign -0.000+/-0.000 χ^2/NDF: 53.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 10303792.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

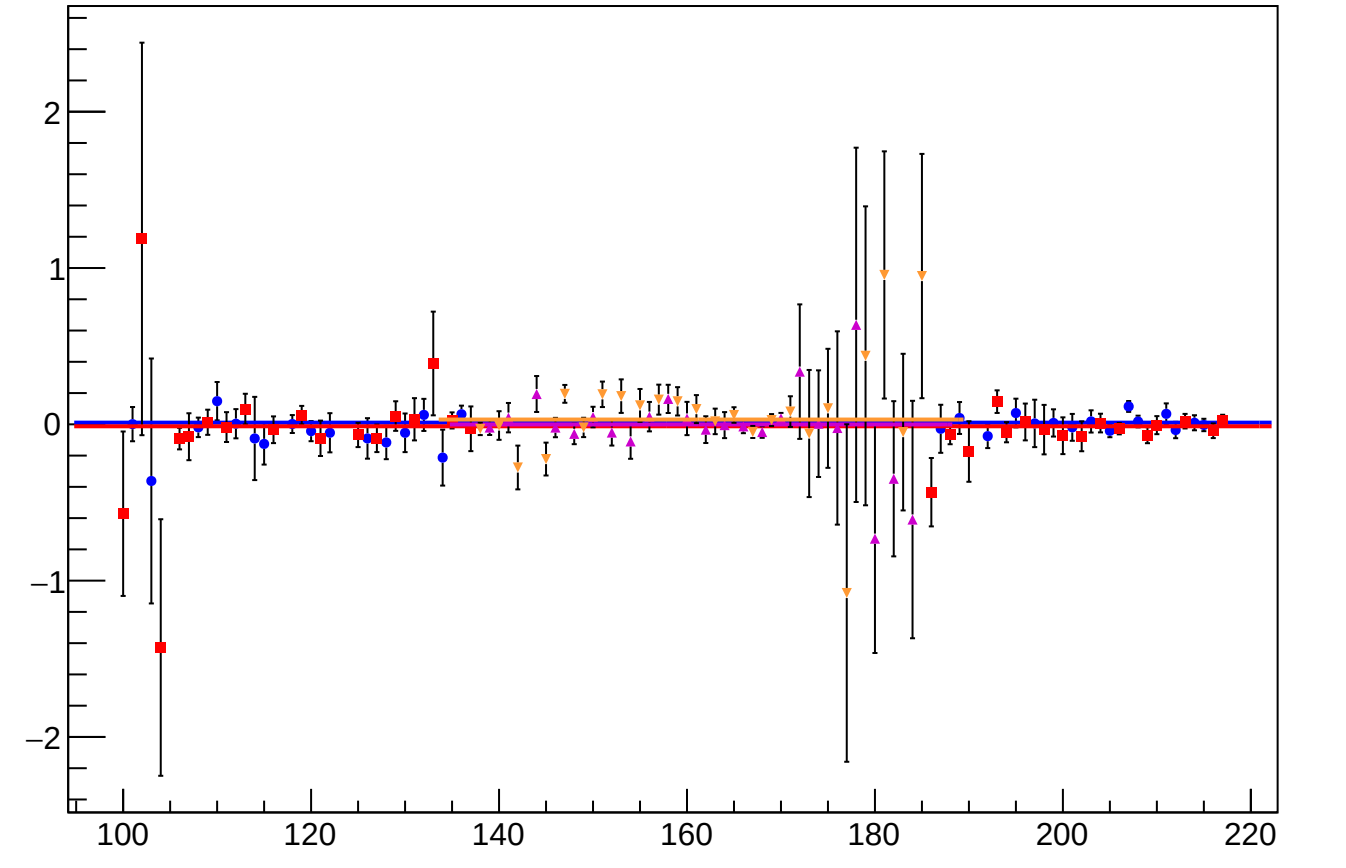
Right Out: 0.000+/-0.000 χ^2/NDF: 12731396.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14352044.8/54

All: 0.000+/-0.000 χ^2/NDF: 30819330.4/111

- sign 0.000+/-0.000 χ^2/NDF: 16367361.6/56



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

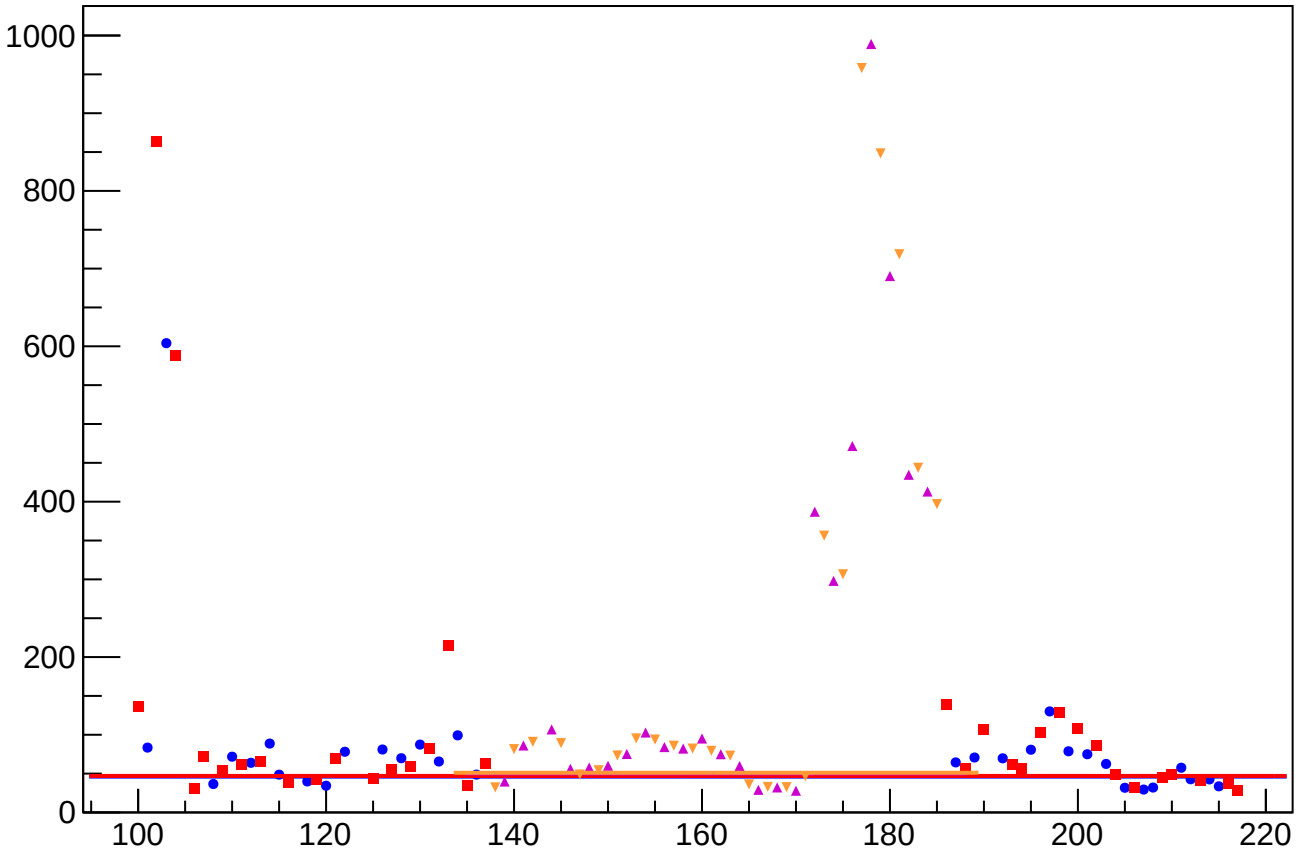
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.010 χ^2/NDF: 65.8/54

All: 0.005+/-0.007 χ^2/NDF: 114.2/111

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 46.167+/-0.009 χ^2/NDF: 5548457.3/30

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

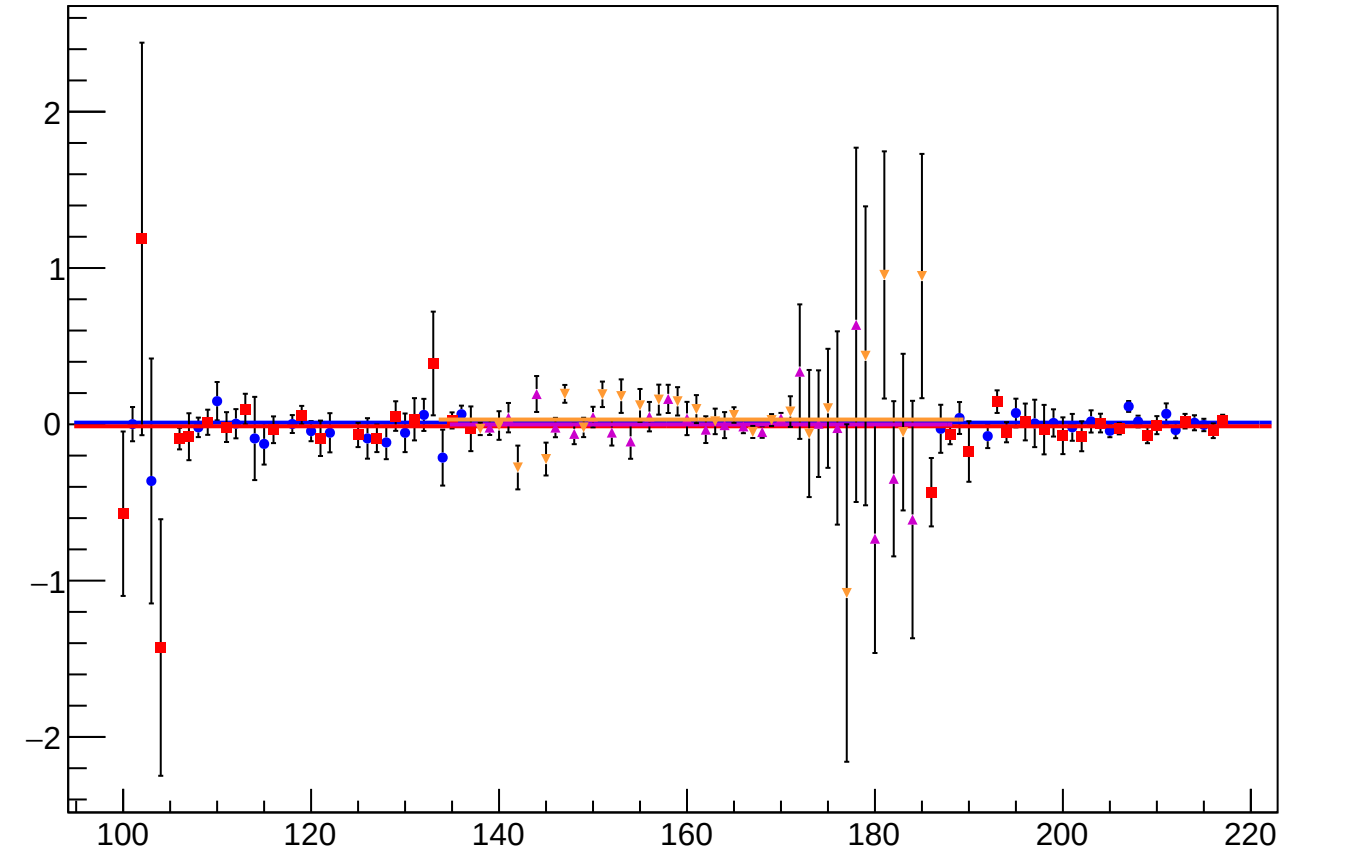
Right Out: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 48.070+/-0.007 χ^2/NDF: 17408709.8/54

All: 48.185+/-0.005 χ^2/NDF: 36260776.7/111

- sign 48.301+/-0.007 χ^2/NDF: 18851490.9/56



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

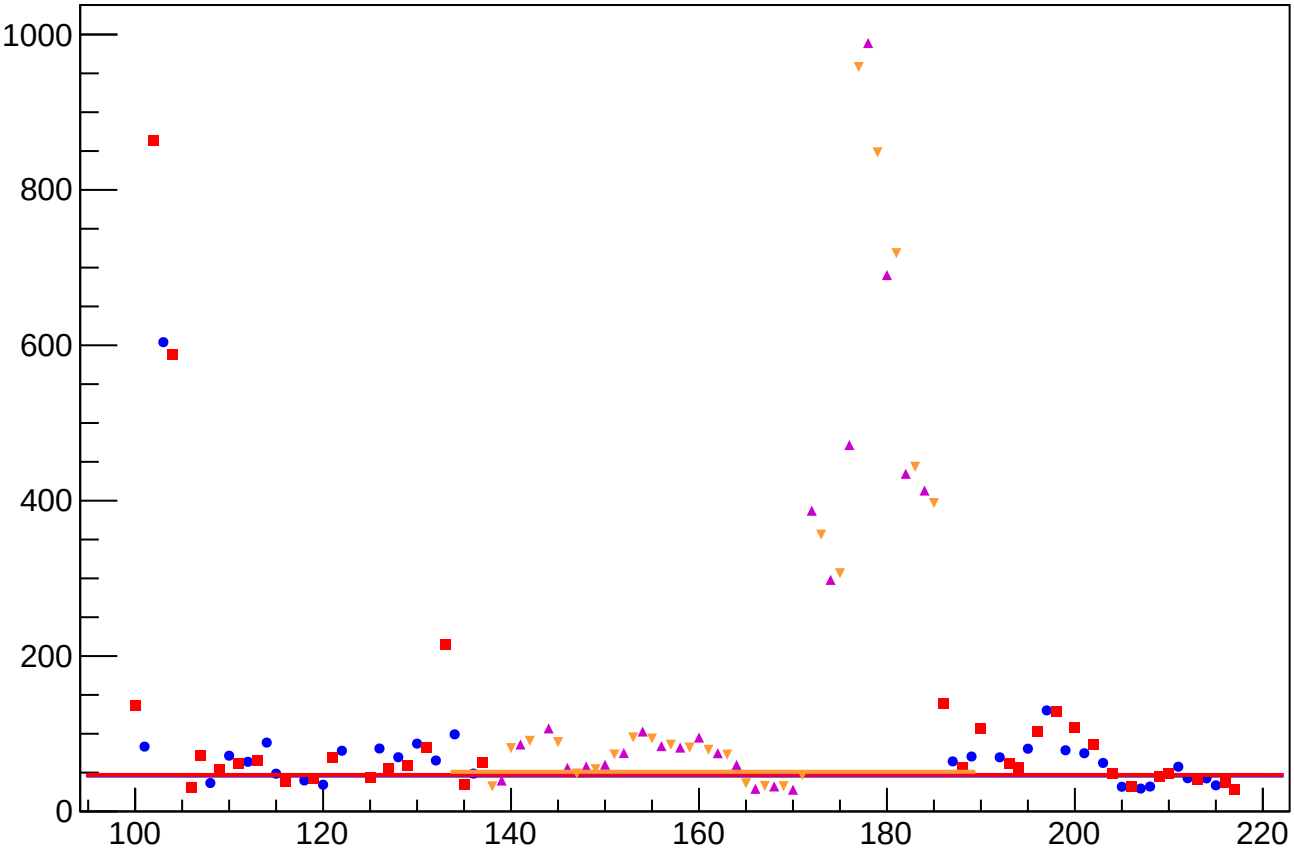
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.010 χ^2/NDF: 65.8/54

All: 0.005+/-0.007 χ^2/NDF: 114.2/111

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 46.167+/-0.009 χ^2/NDF: 5548457.3/30

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

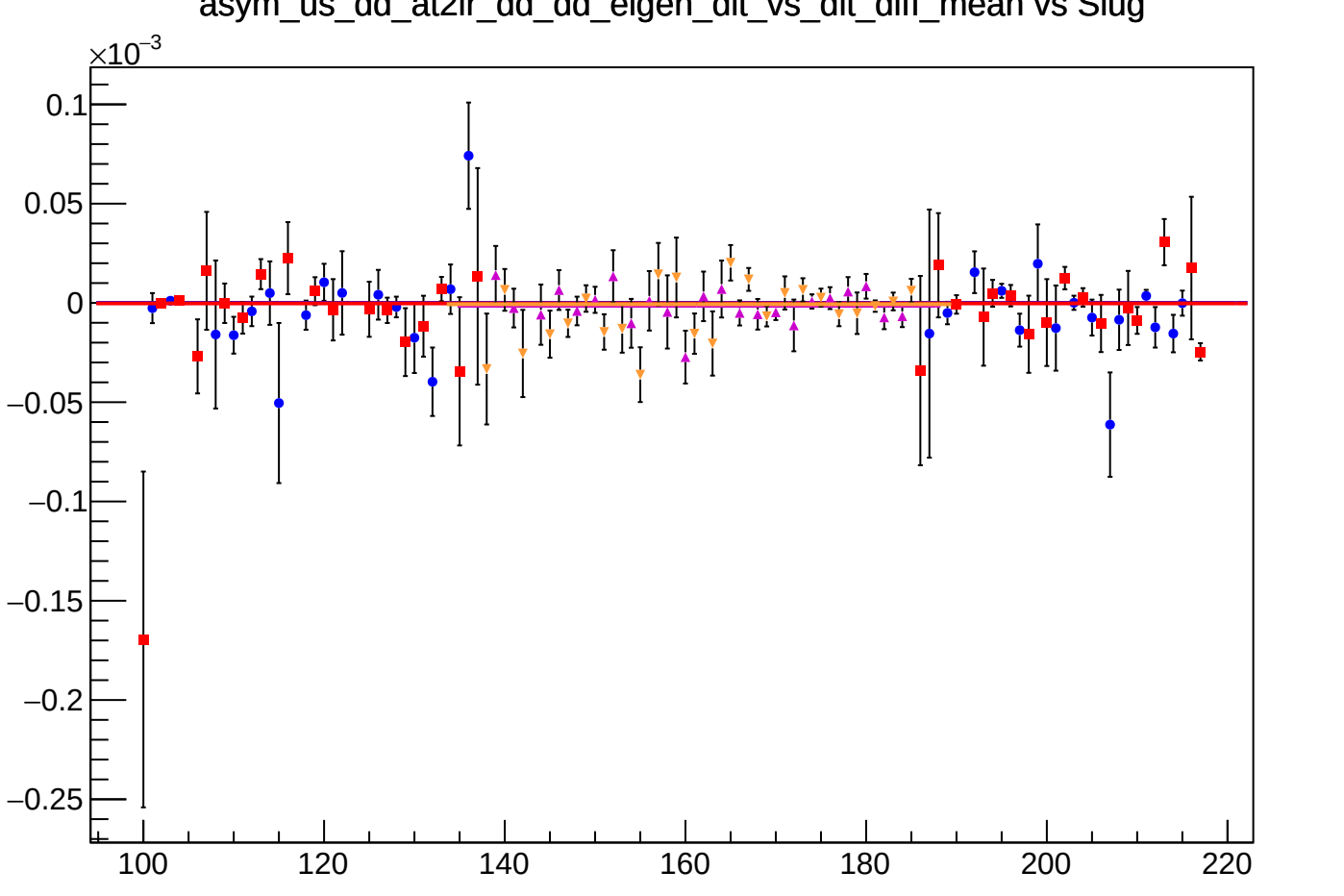
Right Out: 47.007+/-0.009 χ^2/NDF: 6601451.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 48.070+/-0.007 χ^2/NDF: 17408709.8/54

All: 48.185+/-0.005 χ^2/NDF: 36260776.7/111

- sign 48.301+/-0.007 χ^2/NDF: 18851490.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

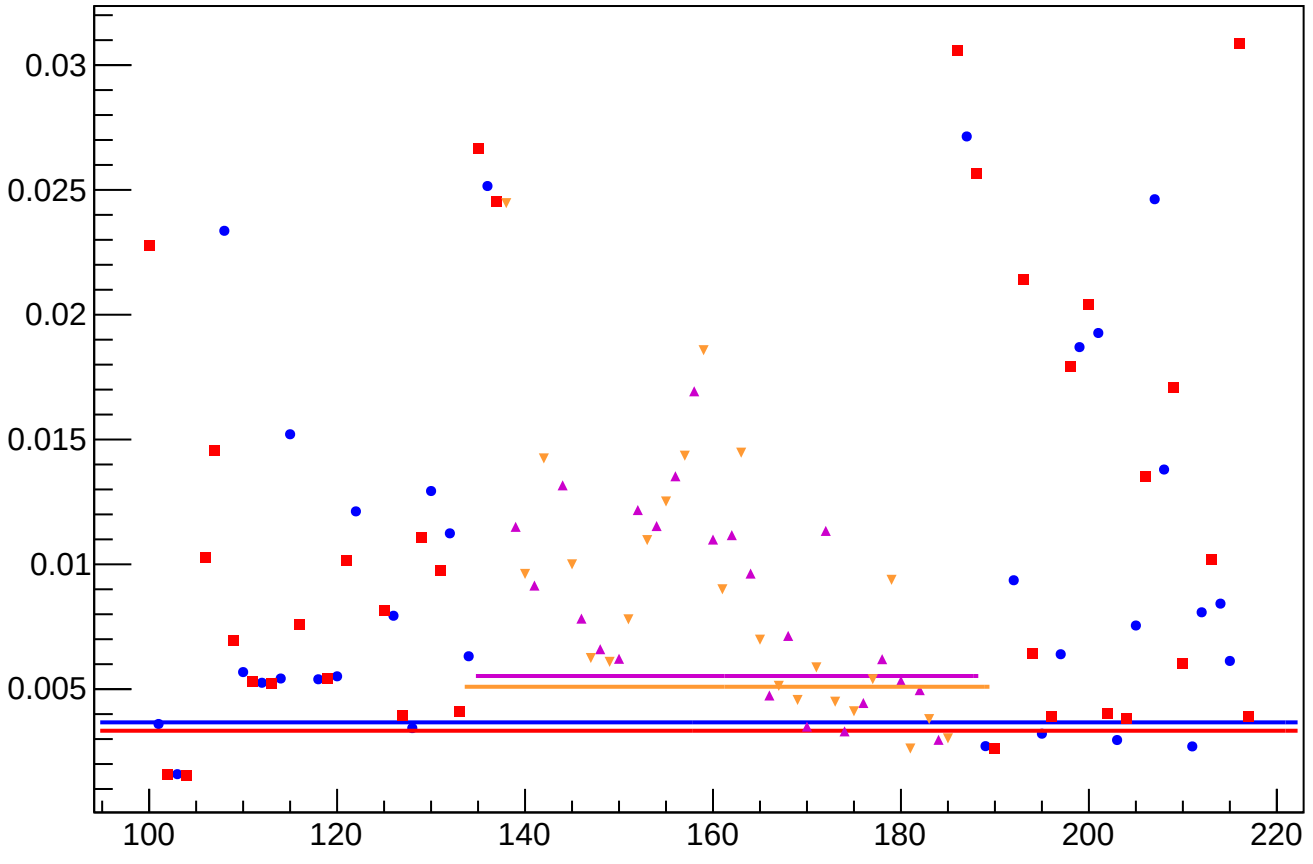
Right Out: -0.000+/-0.000 χ^2/NDF: 67.5/33

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.8/54

All: -0.000+/-0.000 χ^2/NDF: 167.3/111

- sign -0.000+/-0.000 χ^2/NDF: 84.4/56



Right In: 0.004+/-0.000 χ^2/NDF: 13414506.1/30

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

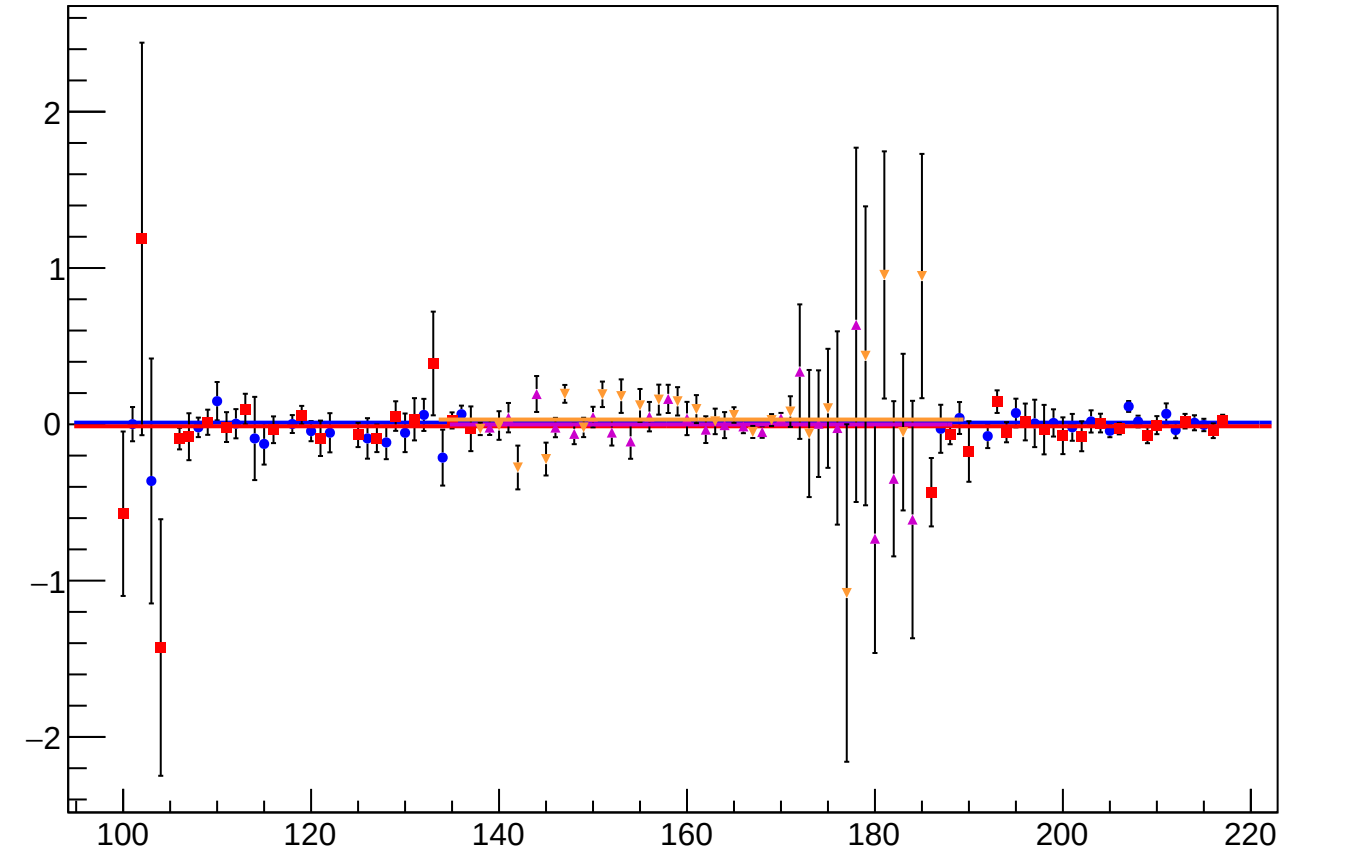
Right Out: 0.003+/-0.000 χ^2/NDF: 17421600.3/33

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 23052688.0/54

All: 0.004+/-0.000 χ^2/NDF: 50249727.8/111

- sign 0.004+/-0.000 χ^2/NDF: 27150591.8/56



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

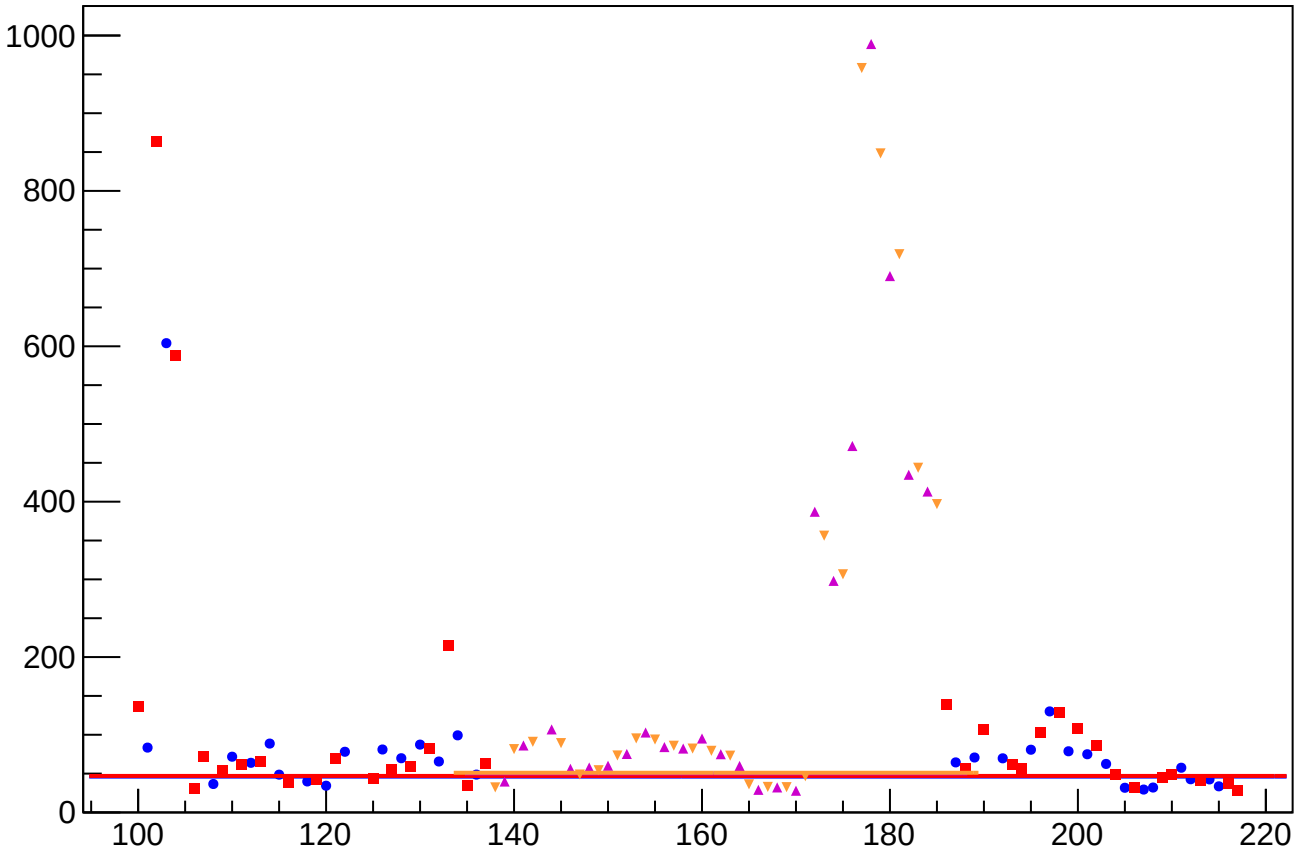
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.010 χ^2/NDF: 65.8/54

All: 0.005+/-0.007 χ^2/NDF: 114.2/111

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 46.166+/-0.009 χ^2/NDF: 5548510.6/30

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

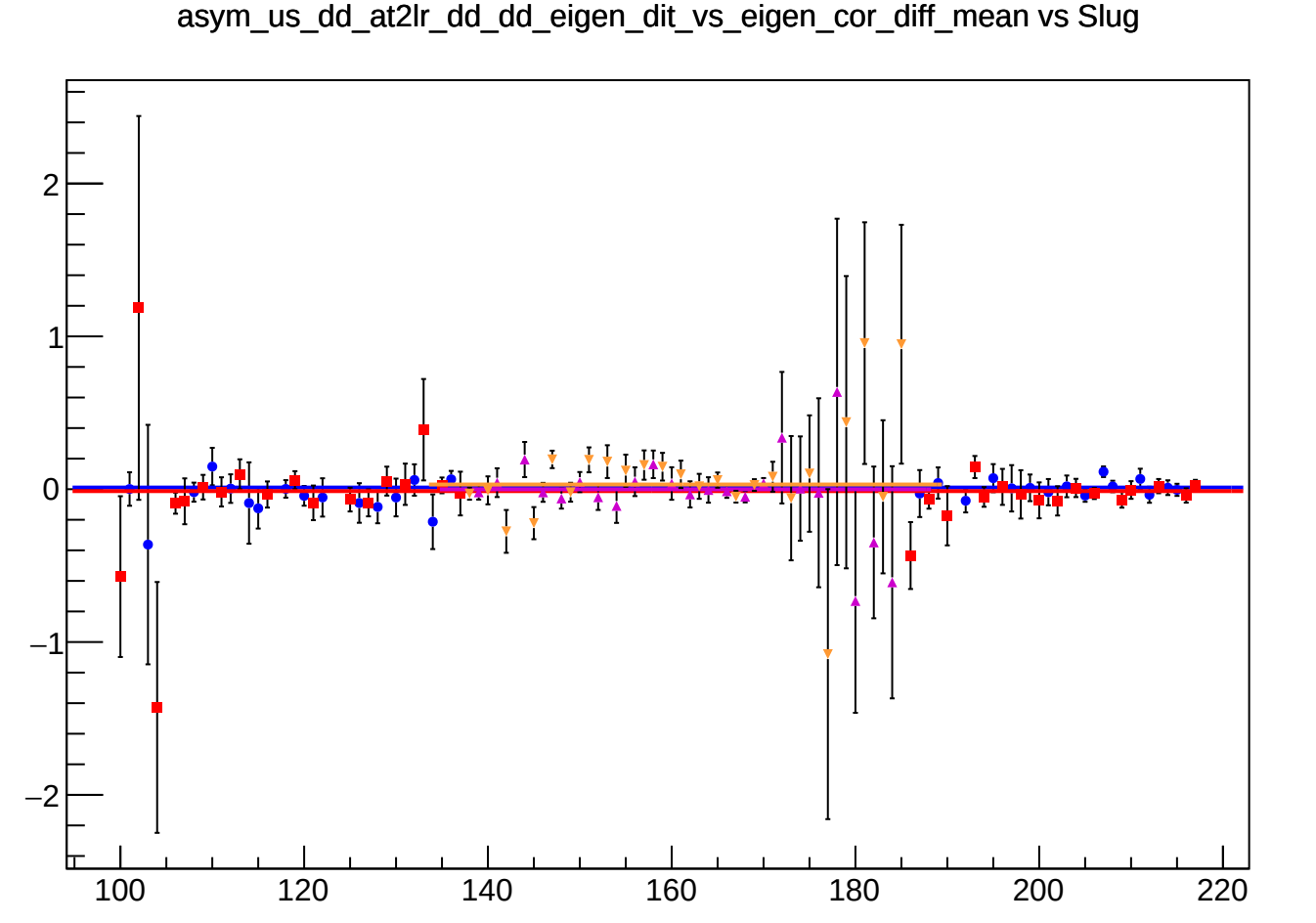
Right Out: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 48.071+/-0.007 χ^2/NDF: 17408055.1/54

All: 48.187+/-0.005 χ^2/NDF: 36259426.1/111

- sign 48.303+/-0.007 χ^2/NDF: 18850792.1/56



Right In: 0.011+/-0.012 χ^2/NDF: 23.2/30

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

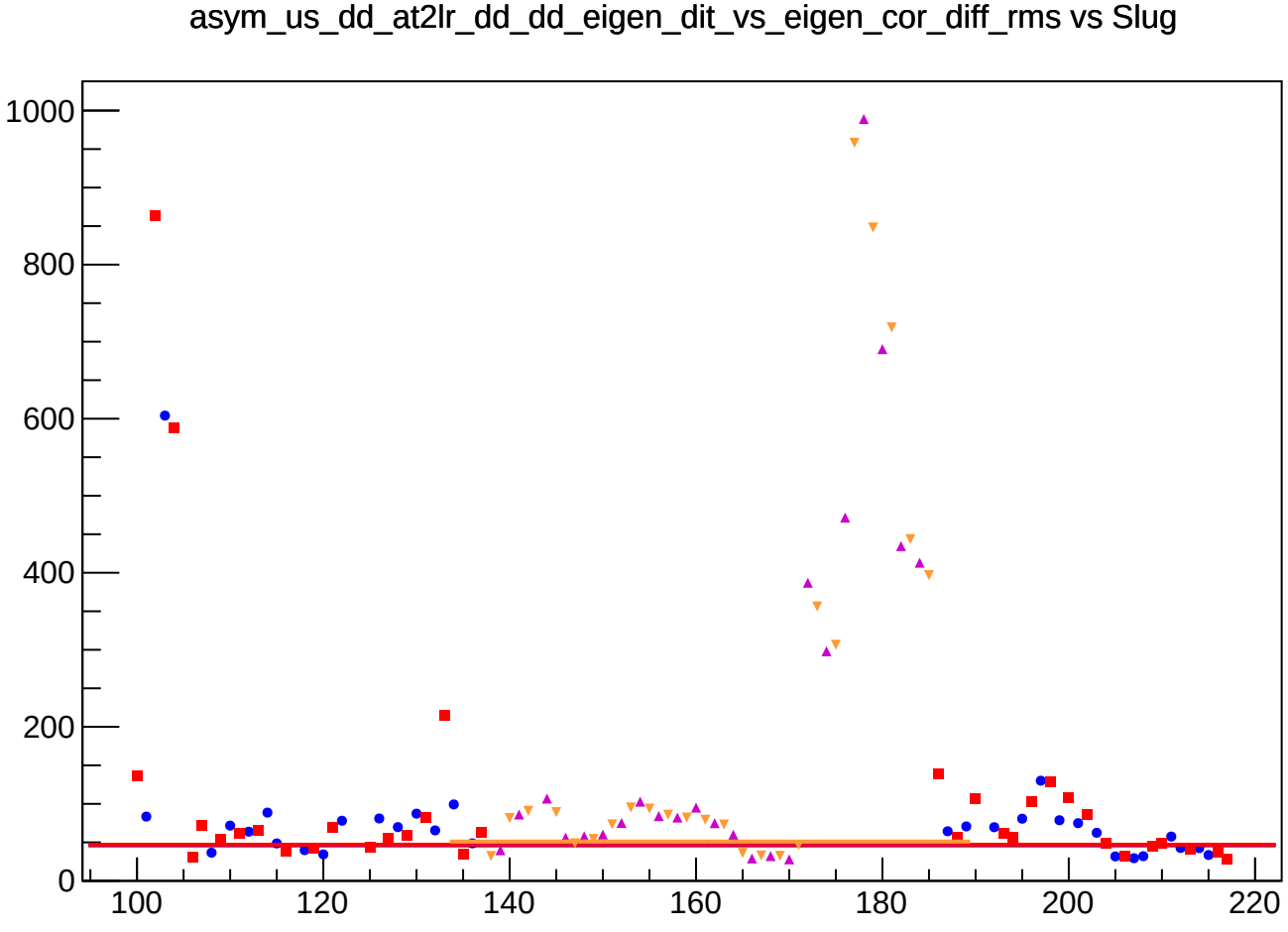
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/33

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.018+/-0.010 χ^2/NDF: 65.8/54

All: 0.005+/-0.007 χ^2/NDF: 114.2/111

- sign -0.008+/-0.010 χ^2/NDF: 44.7/56



Right In: 46.166+/-0.009 χ^2/NDF: 5548510.6/30

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

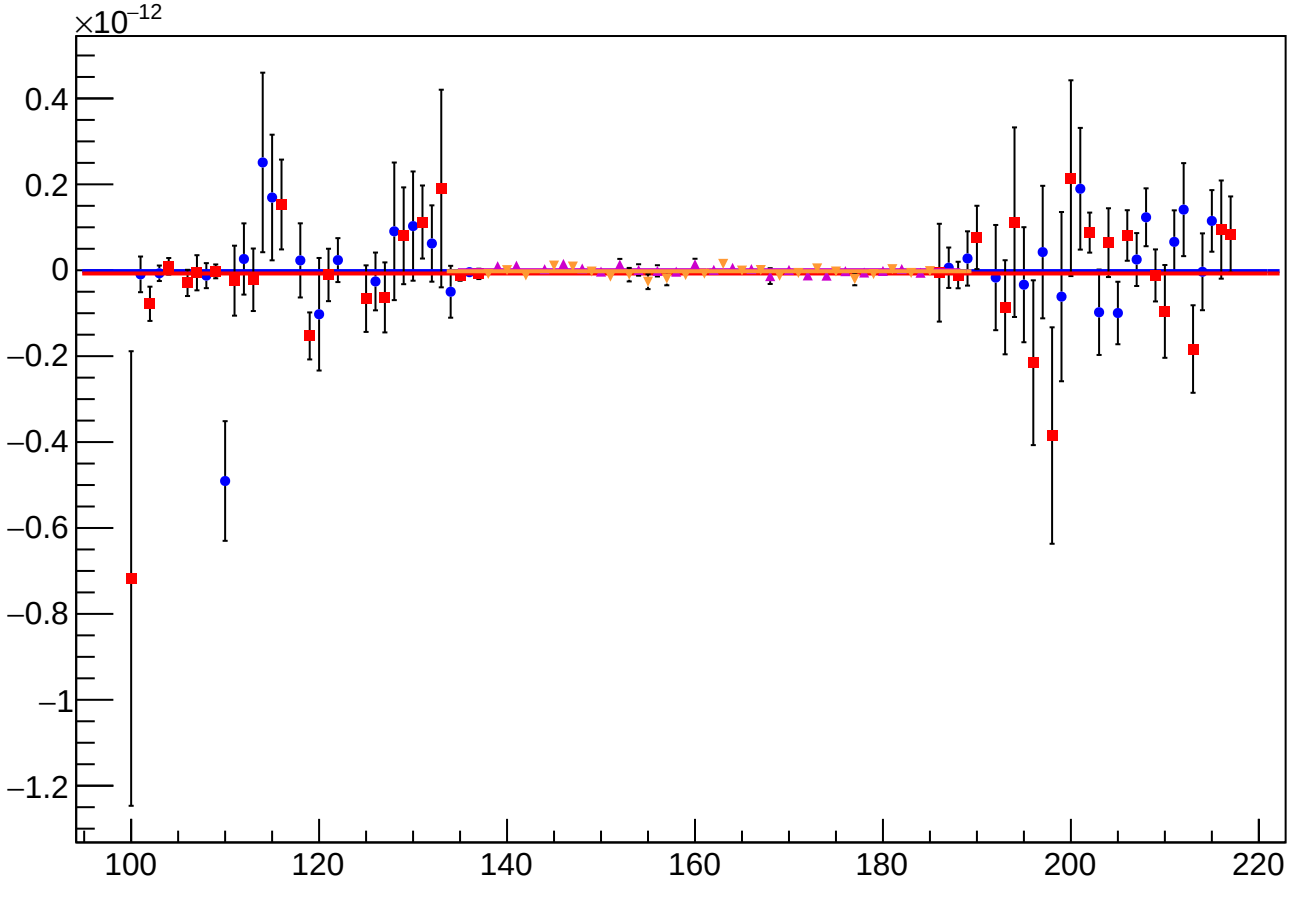
Right Out: 47.009+/-0.009 χ^2/NDF: 6600884.2/33

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

\+ sign 48.071+/-0.007 χ^2/NDF: 17408055.1/54

All: 48.187+/-0.005 χ^2/NDF: 36259426.1/111

\- sign 48.303+/-0.007 χ^2/NDF: 18850792.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

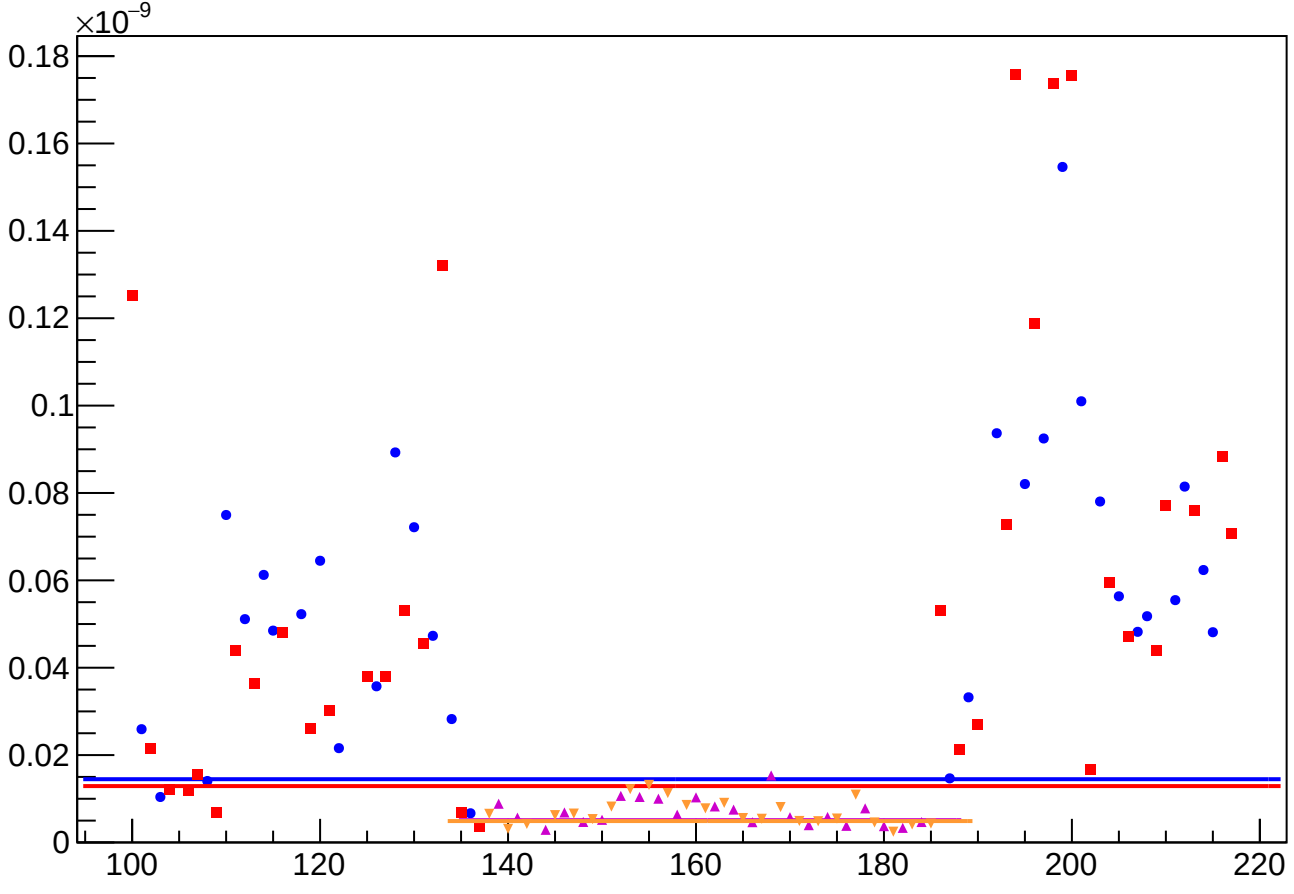
Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/33

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.0/54

All: -0.000+/-0.000 χ^2/NDF: 115.2/111

- sign -0.000+/-0.000 χ^2/NDF: 59.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 14076876.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14303464.2/33

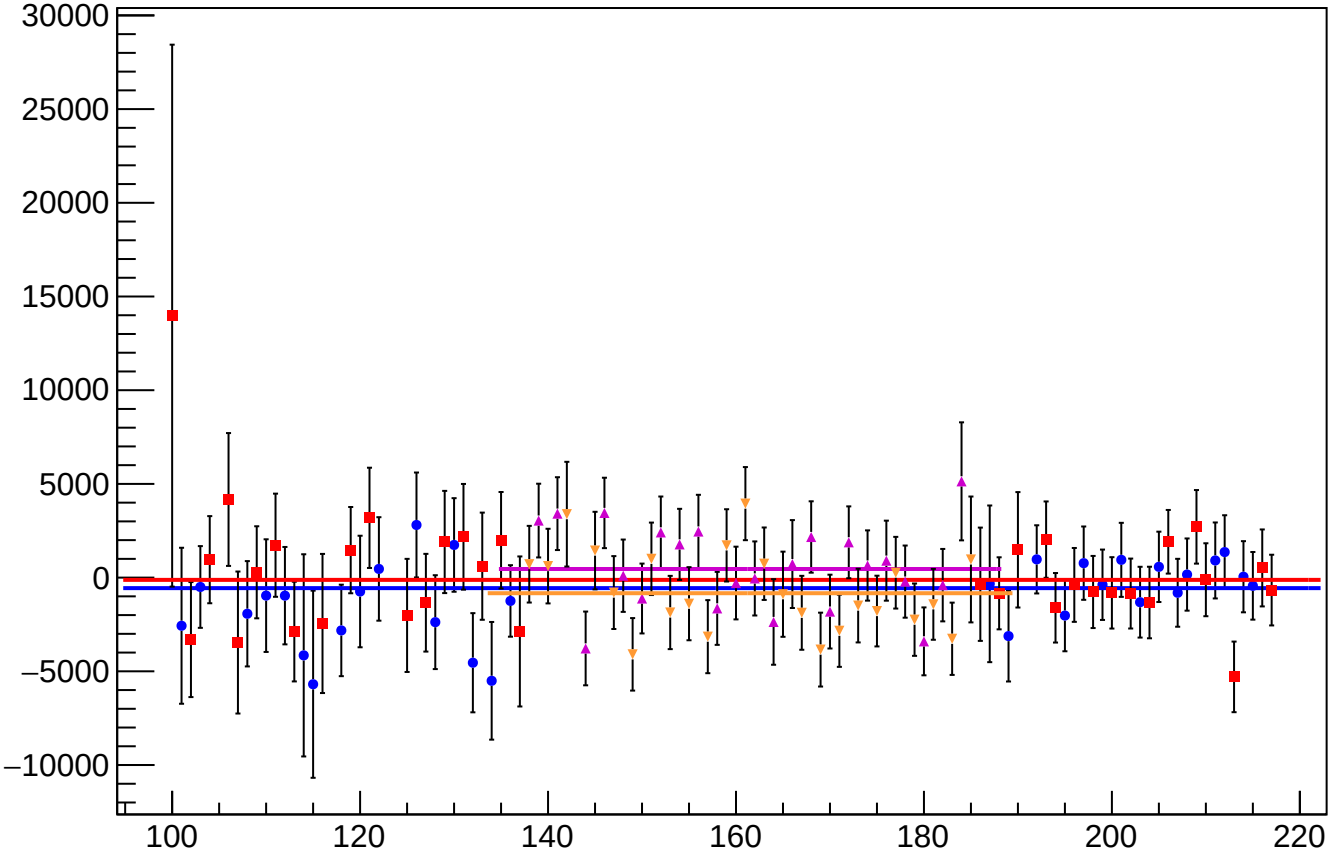
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22518063.8/54

All: 0.000+/-0.000 χ^2/NDF: 43700295.7/111

- sign 0.000+/-0.000 χ^2/NDF: 21164225.2/56

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -561.496+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -120.794+/-401.908 χ^2/NDF: 25.7/33

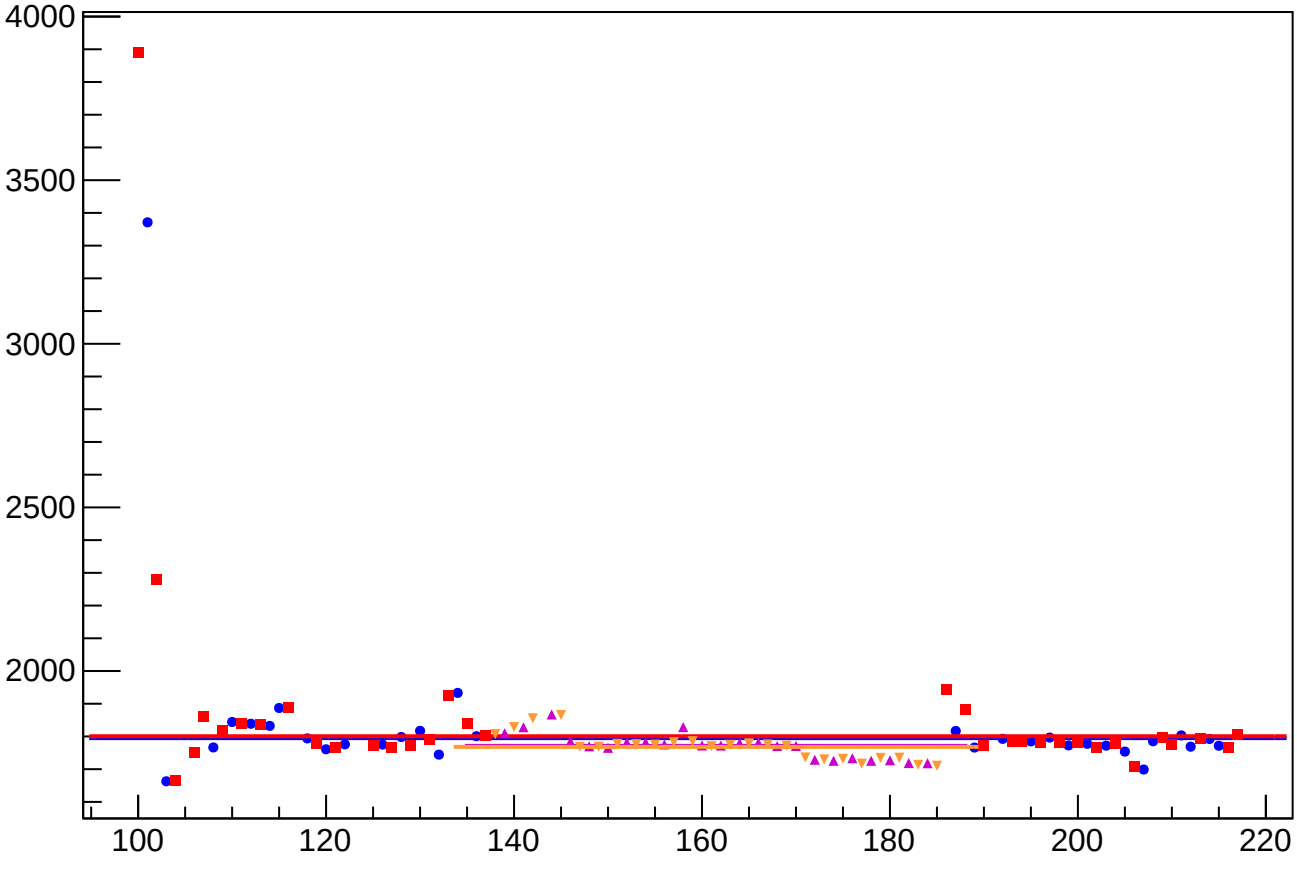
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -697.015+/-290.204 χ^2/NDF: 42.1/54

All: -265.080+/-204.511 χ^2/NDF: 100.5/111

- sign 161.054+/-288.249 χ^2/NDF: 54.0/56

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1794.939+/-0.290 χ^2/NDF: 310010.9/30

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

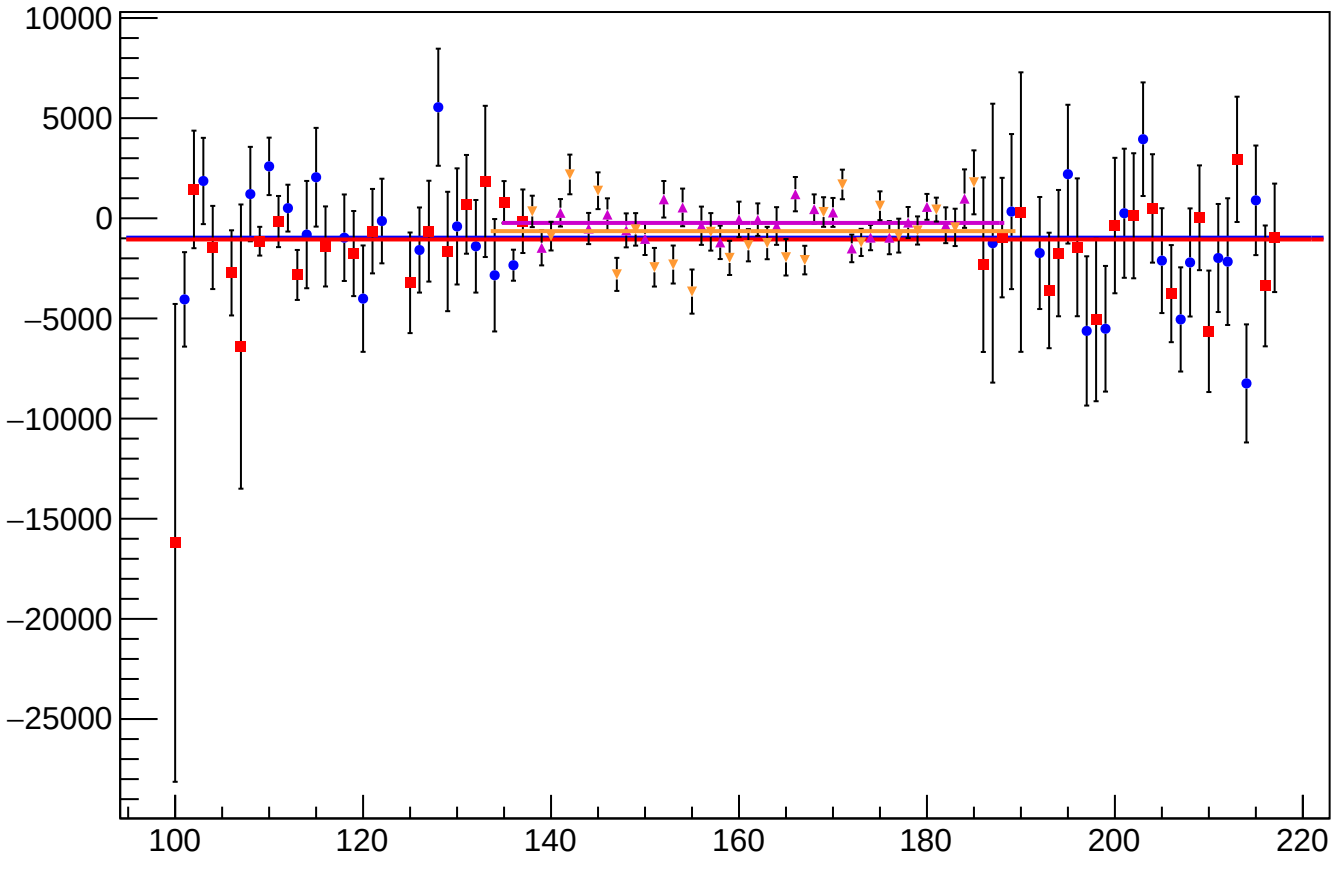
Right Out: 1800.637+/-0.284 χ^2/NDF: 122916.7/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.535+/-0.205 χ^2/NDF: 330637.6/54

All: 1783.959+/-0.145 χ^2/NDF: 475461.5/11

- sign 1786.351+/-0.204 χ^2/NDF: 144546.7/56



Right In: -966.574+/-385.609 χ^2/NDF: 41.3/30

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -1057.166+/-351.096 χ^2/NDF: 20.1/33

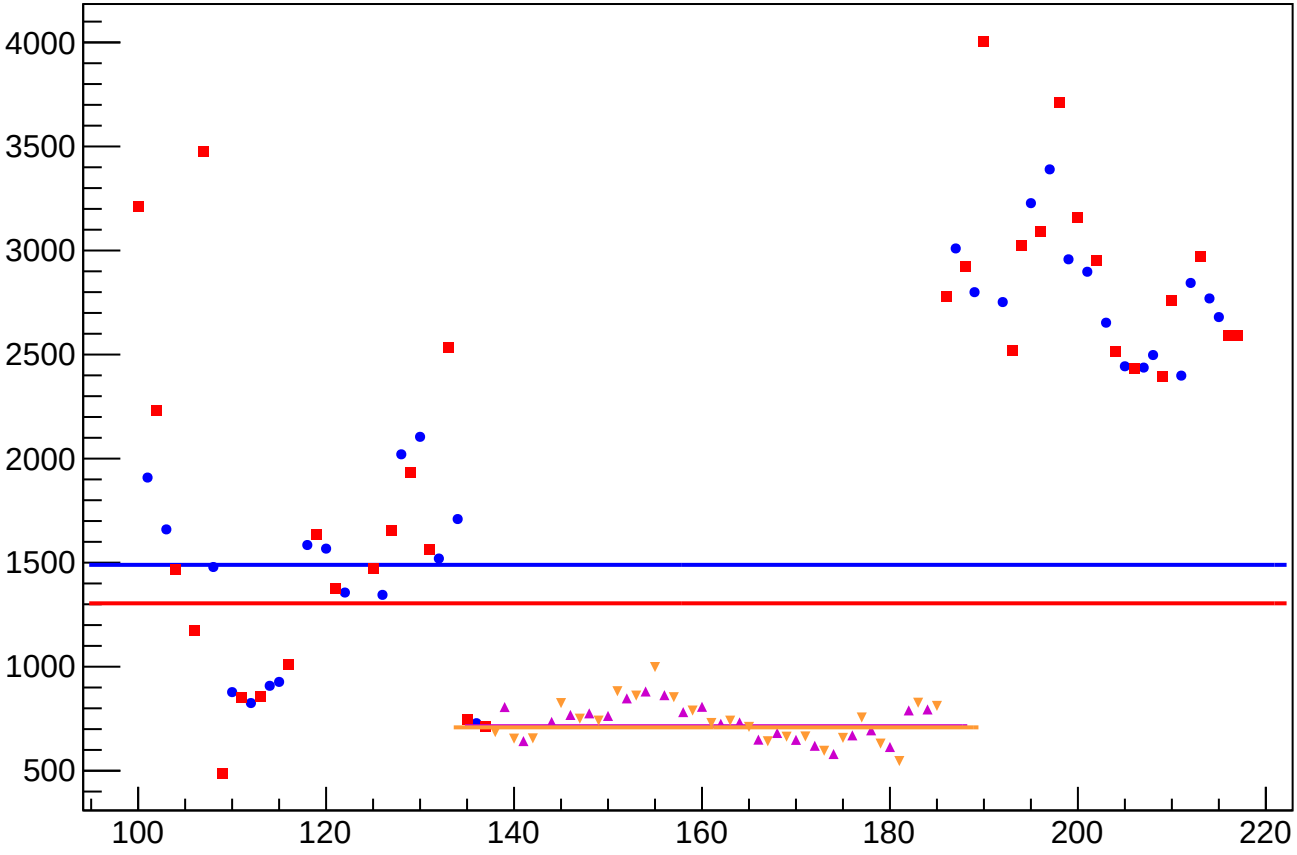
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -692.159+/-152.820 χ^2/NDF: 108.6/54

All: -537.587+/-107.690 χ^2/NDF: 155.1/111

- sign -385.114+/-151.778 χ^2/NDF: 44.5/56

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1489.422+/-0.273 χ^2/NDF: 8477610.1/30

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1304.570+/-0.248 χ^2/NDF: 12363948.7/33

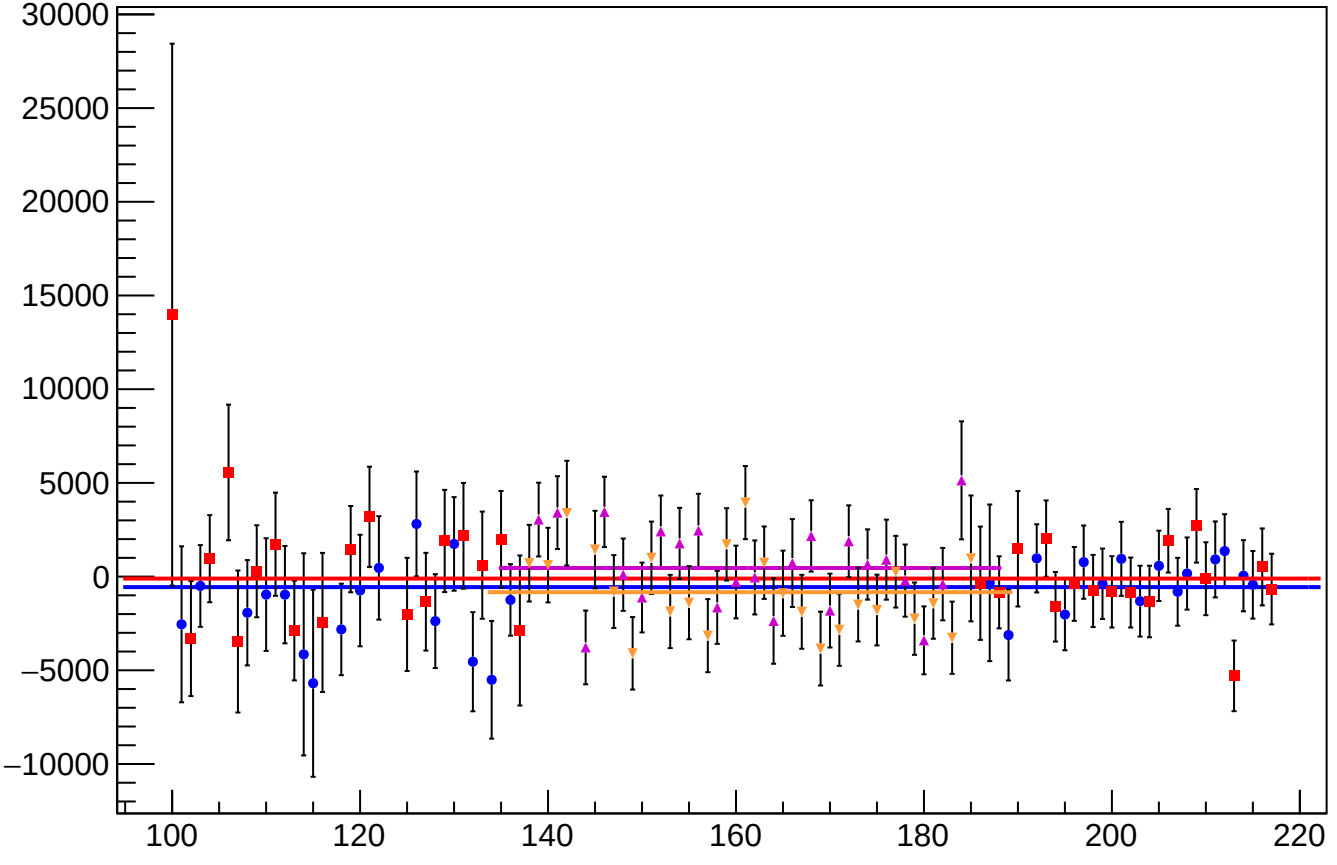
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 831.154+/-0.108 χ^2/NDF: 16092337.4/54

All: 827.804+/-0.076 χ^2/NDF: 33554160.3/11

- sign 824.499+/-0.107 χ^2/NDF: 17459913.6/56

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -561.278+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -105.906+/-402.013 χ^2/NDF: 26.7/33

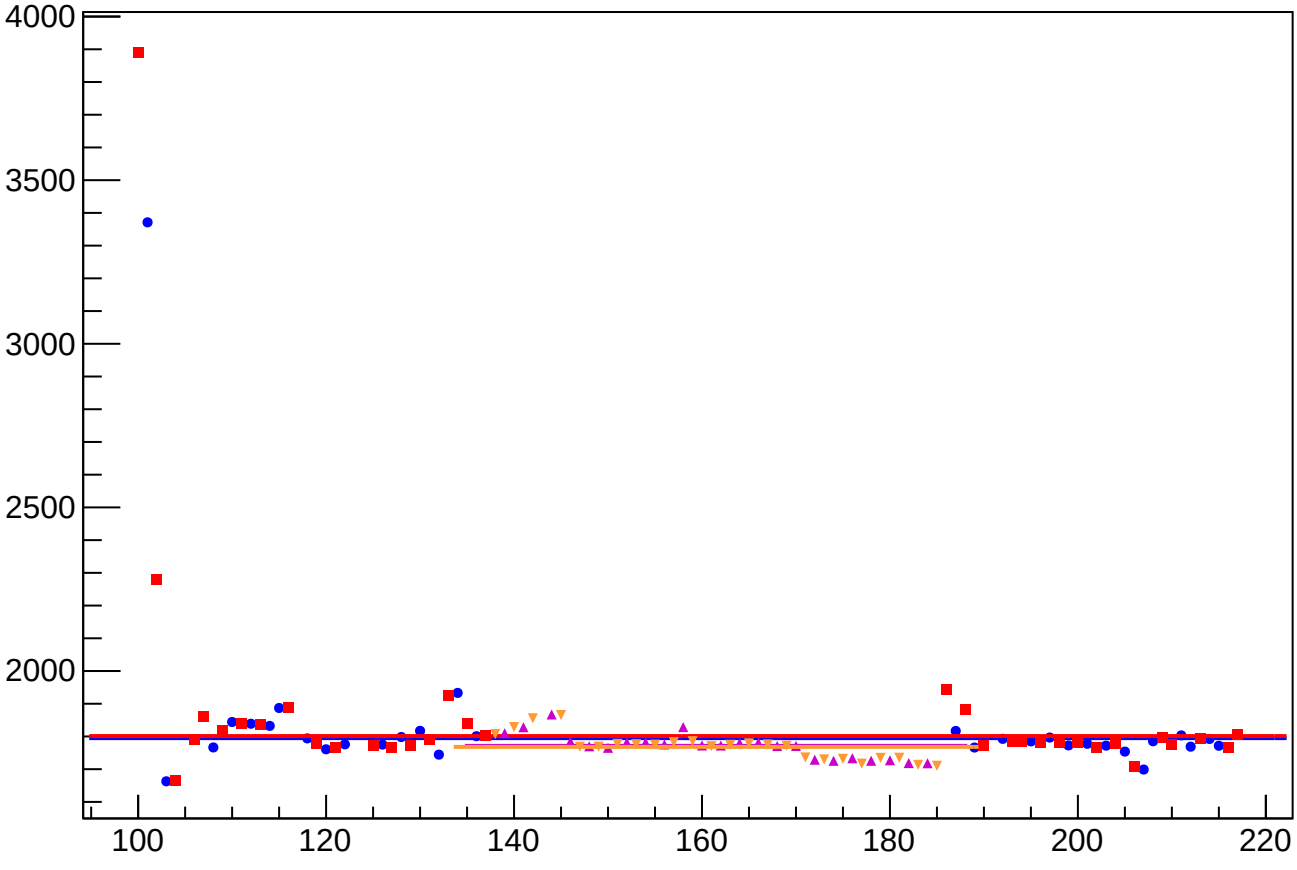
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -696.853+/-290.204 χ^2/NDF: 42.1/54

All: -261.176+/-204.525 χ^2/NDF: 101.5/111

- sign 168.767+/-288.288 χ^2/NDF: 54.9/56

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1794.939+/-0.290 χ^2/NDF: 310012.7/30

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

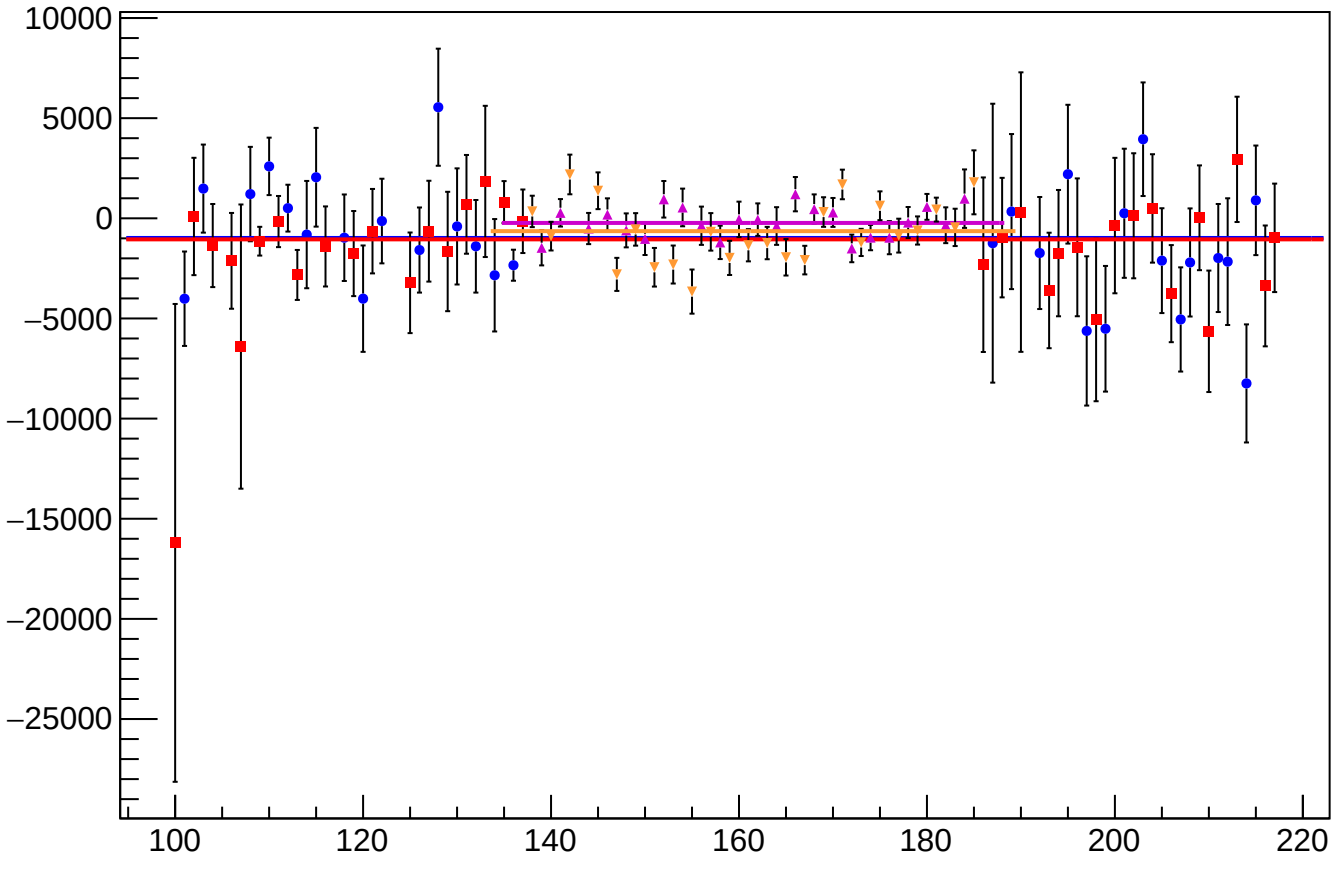
Right Out: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.535+/-0.205 χ^2/NDF: 330639.4/54

All: 1784.094+/-0.145 χ^2/NDF: 475294.2/111

- sign 1786.620+/-0.204 χ^2/NDF: 144345.7/56



Right In: -981.152+/-385.855 χ^2/NDF: 40.8/30

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

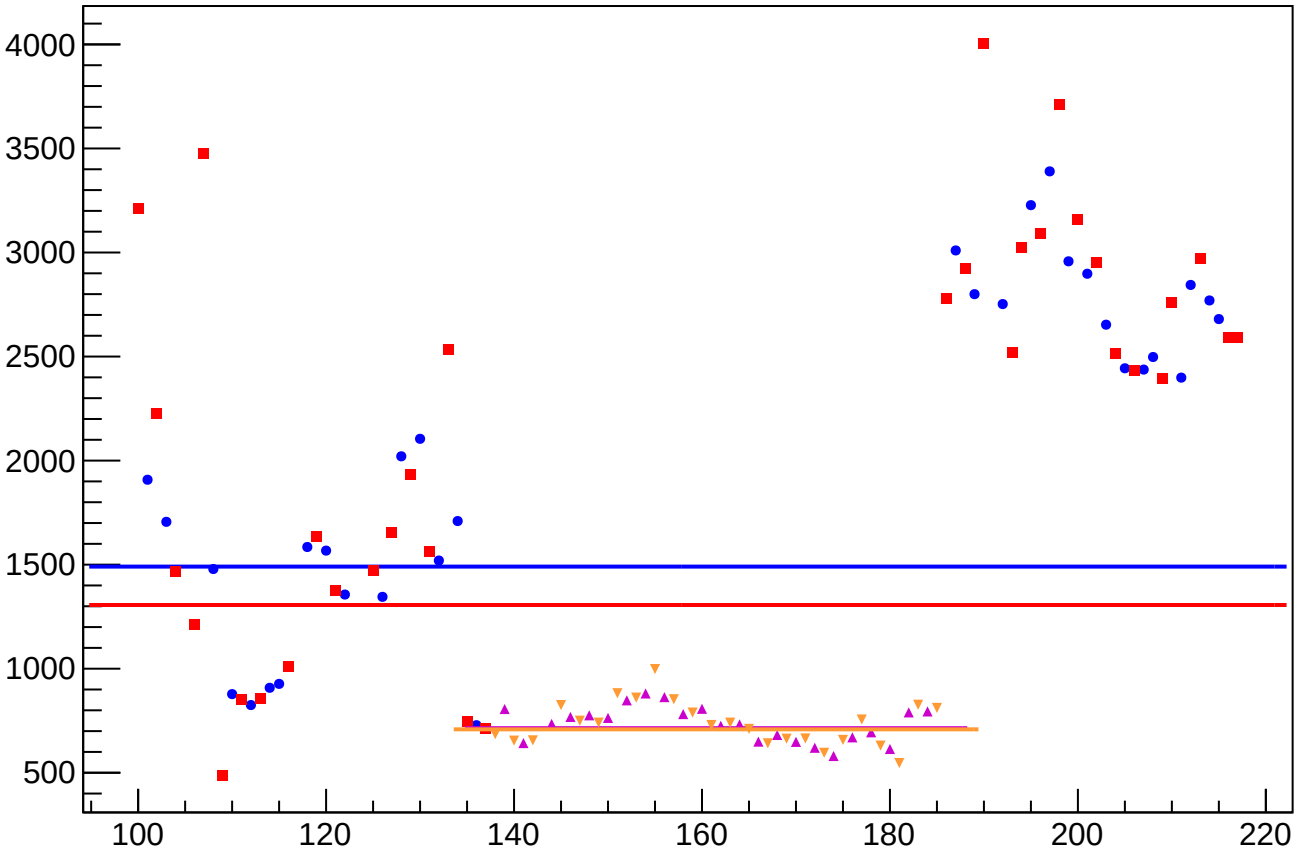
Right Out: -1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -694.371+/-152.836 χ^2/NDF: 108.1/54

All: -537.781+/-107.724 χ^2/NDF: 153.6/111

- sign -383.187+/-151.859 χ^2/NDF: 43.4/56



Right In: 1490.614+/-0.273 χ^2/NDF: 8484109.6/30

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

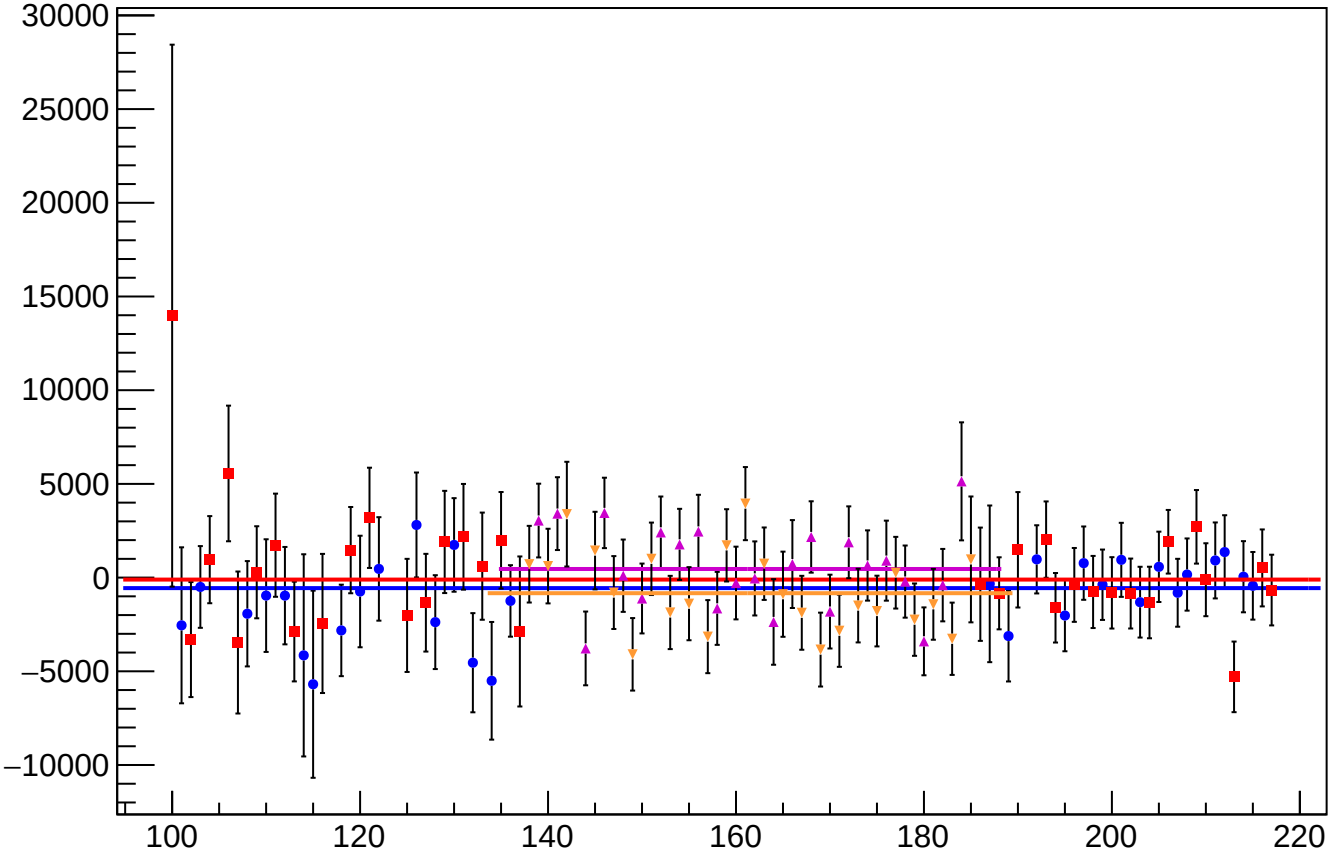
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 831.216+/-0.108 χ^2/NDF: 16112362.7/54

All: 827.729+/-0.076 χ^2/NDF: 33571576.8/11

- sign 824.288+/-0.107 χ^2/NDF: 17457146.2/56

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -561.278+/-410.374 χ^2/NDF: 16.5/30

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -105.906+/-402.013 χ^2/NDF: 26.7/33

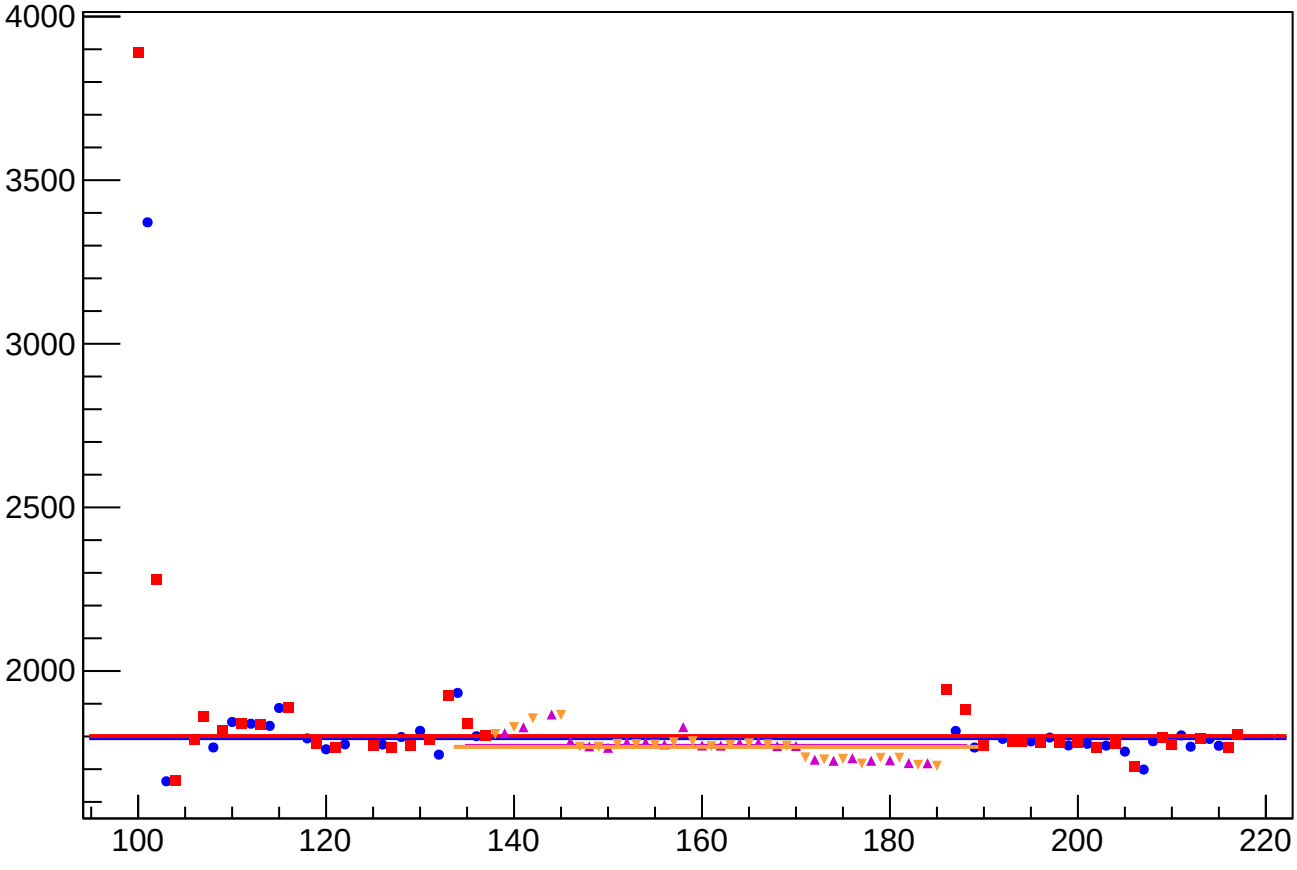
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -696.853+/-290.204 χ^2/NDF: 42.1/54

All: -261.176+/-204.525 χ^2/NDF: 101.5/111

- sign 168.767+/-288.288 χ^2/NDF: 54.9/56

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1794.939+/-0.290 χ^2/NDF: 310012.7/30

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

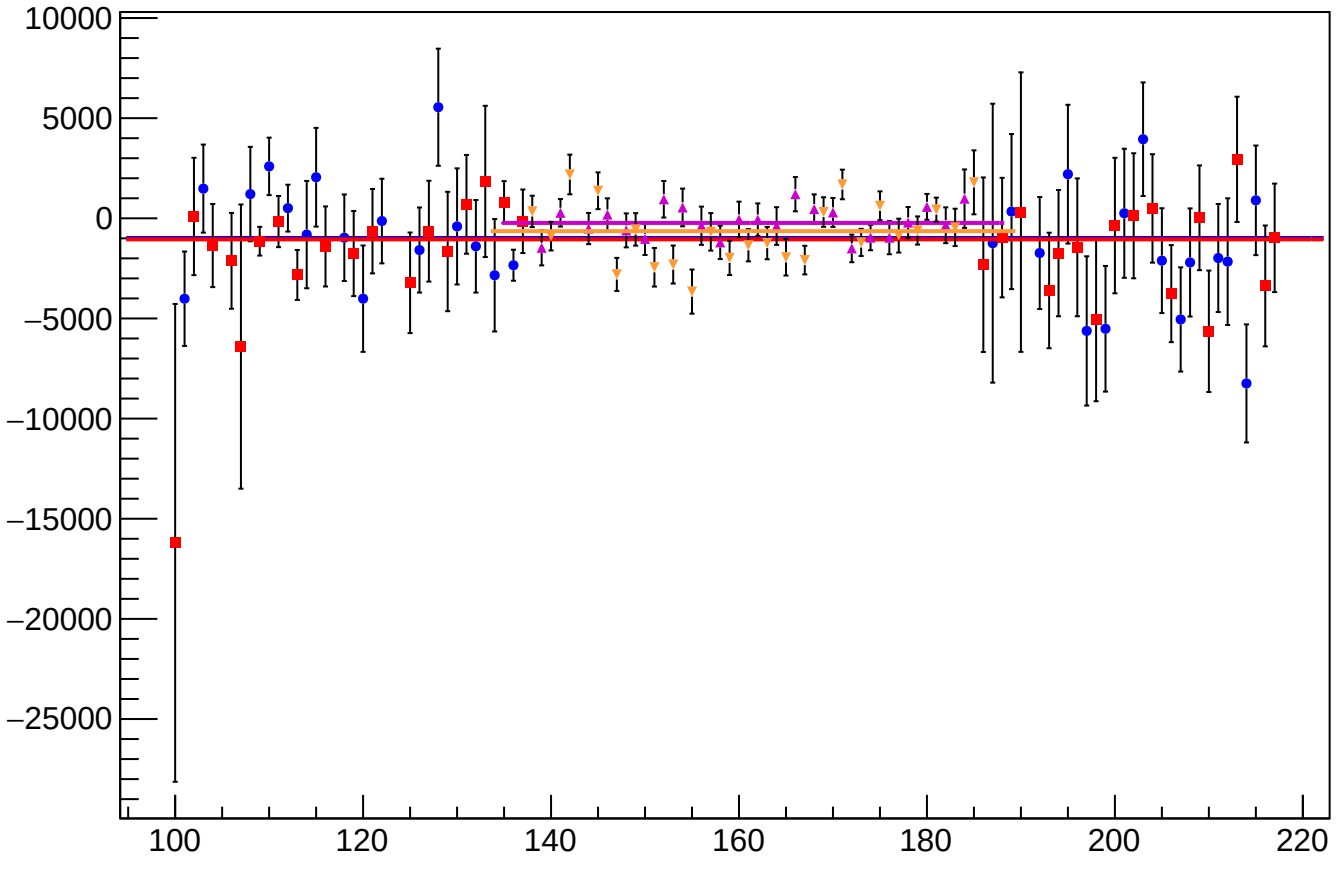
Right Out: 1801.168+/-0.284 χ^2/NDF: 122527.6/33

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.535+/-0.205 χ^2/NDF: 330639.4/54

All: 1784.094+/-0.145 χ^2/NDF: 475294.2/111

- sign 1786.620+/-0.204 χ^2/NDF: 144345.7/56



Right In: -981.152+/-385.855 χ^2/NDF: 40.8/30

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

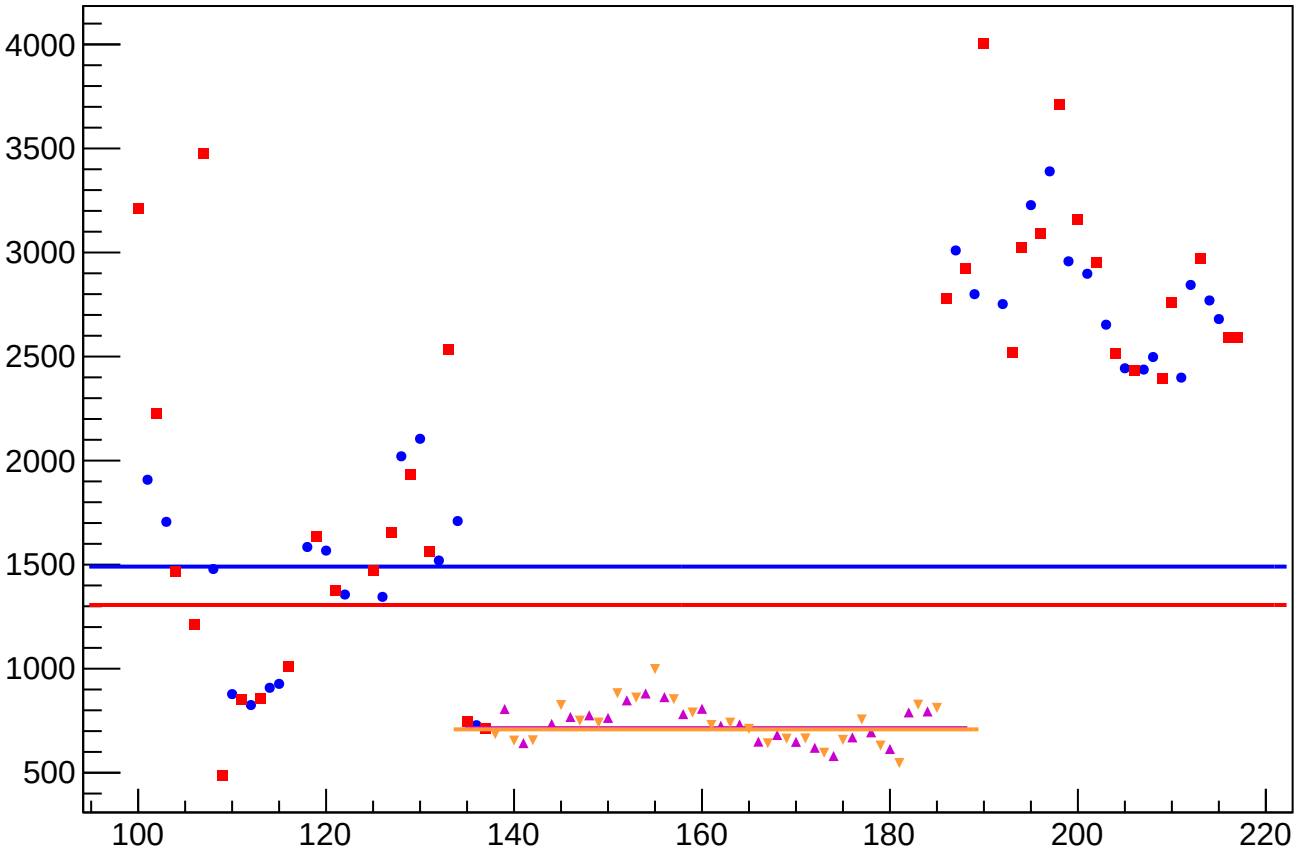
Right Out: -1050.944+/-352.085 χ^2/NDF: 19.0/33

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -694.371+/-152.836 χ^2/NDF: 108.1/54

All: -537.781+/-107.724 χ^2/NDF: 153.6/111

- sign -383.187+/-151.859 χ^2/NDF: 43.4/56



Right In: 1490.614+/-0.273 χ^2/NDF: 8484109.6/30

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

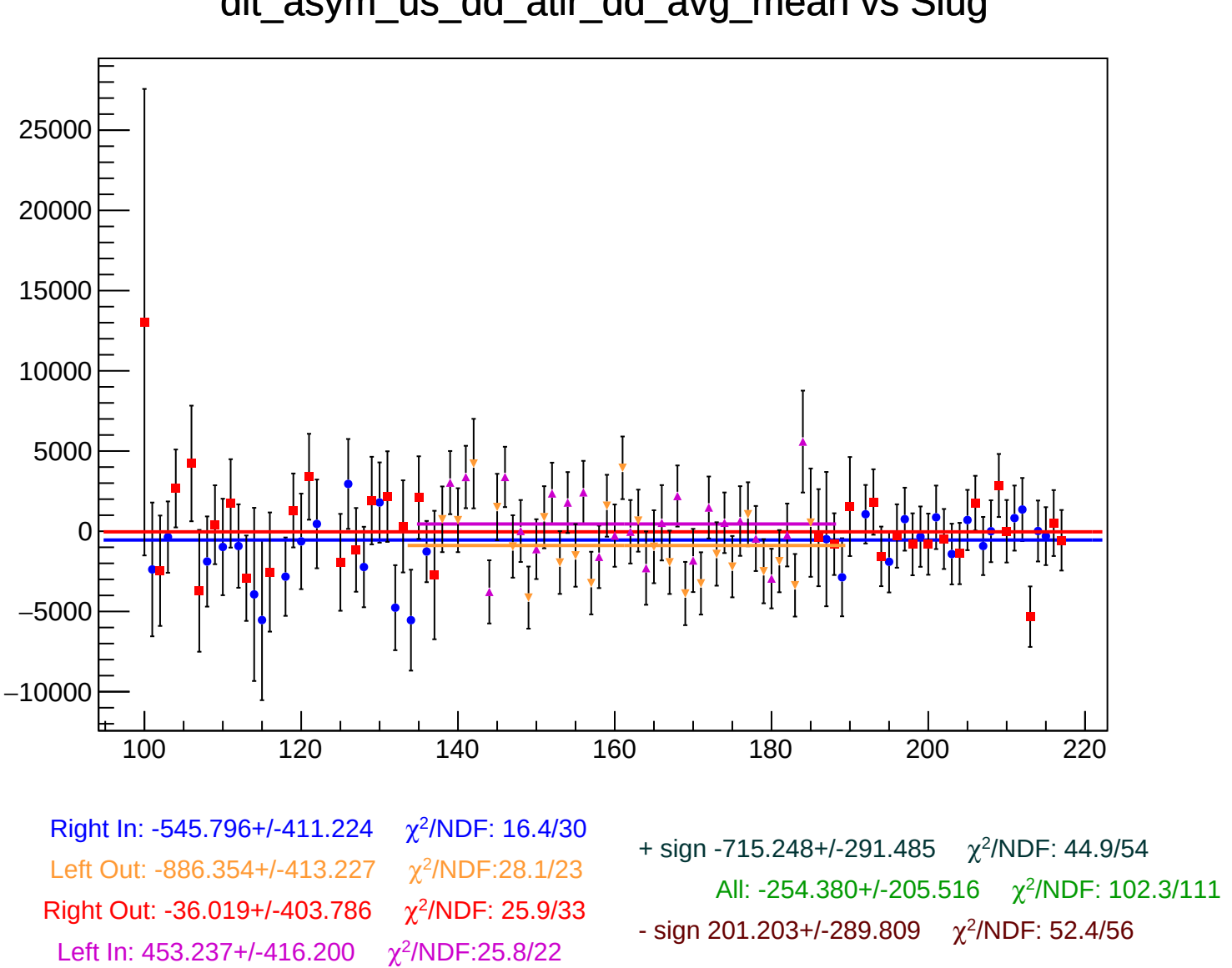
Right Out: 1306.109+/-0.249 χ^2/NDF: 12358396.7/33

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

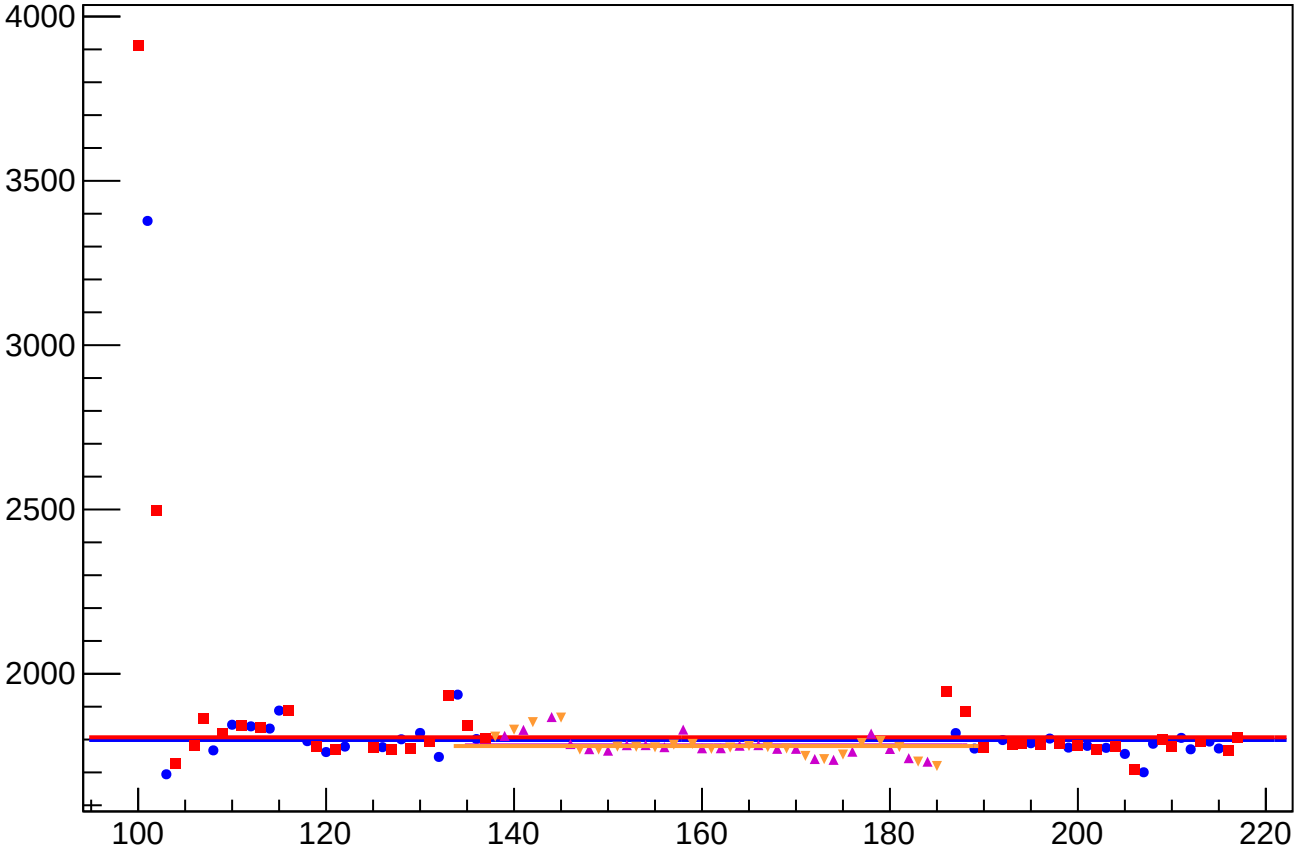
+ sign 831.216+/-0.108 χ^2/NDF: 16112362.7/54

All: 827.729+/-0.076 χ^2/NDF: 33571576.8/11

- sign 824.288+/-0.107 χ^2/NDF: 17457146.2/56


dit_asym_us_dd_atlr_dd_avg_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: -545.796+/-411.224 χ²/NDF: 16.4/30
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -36.019+/-403.786 χ²/NDF: 25.9/33
Left In: 453.237+/-416.200 χ²/NDF:25.8/22
+ sign -715.248+/-291.485 χ²/NDF: 44.9/54
All: -254.380+/-205.516 χ²/NDF: 102.3/111
- sign 201.203+/-289.809 χ²/NDF: 52.4/56

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.678+/-0.291 χ^2/NDF: 307467.5/30

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

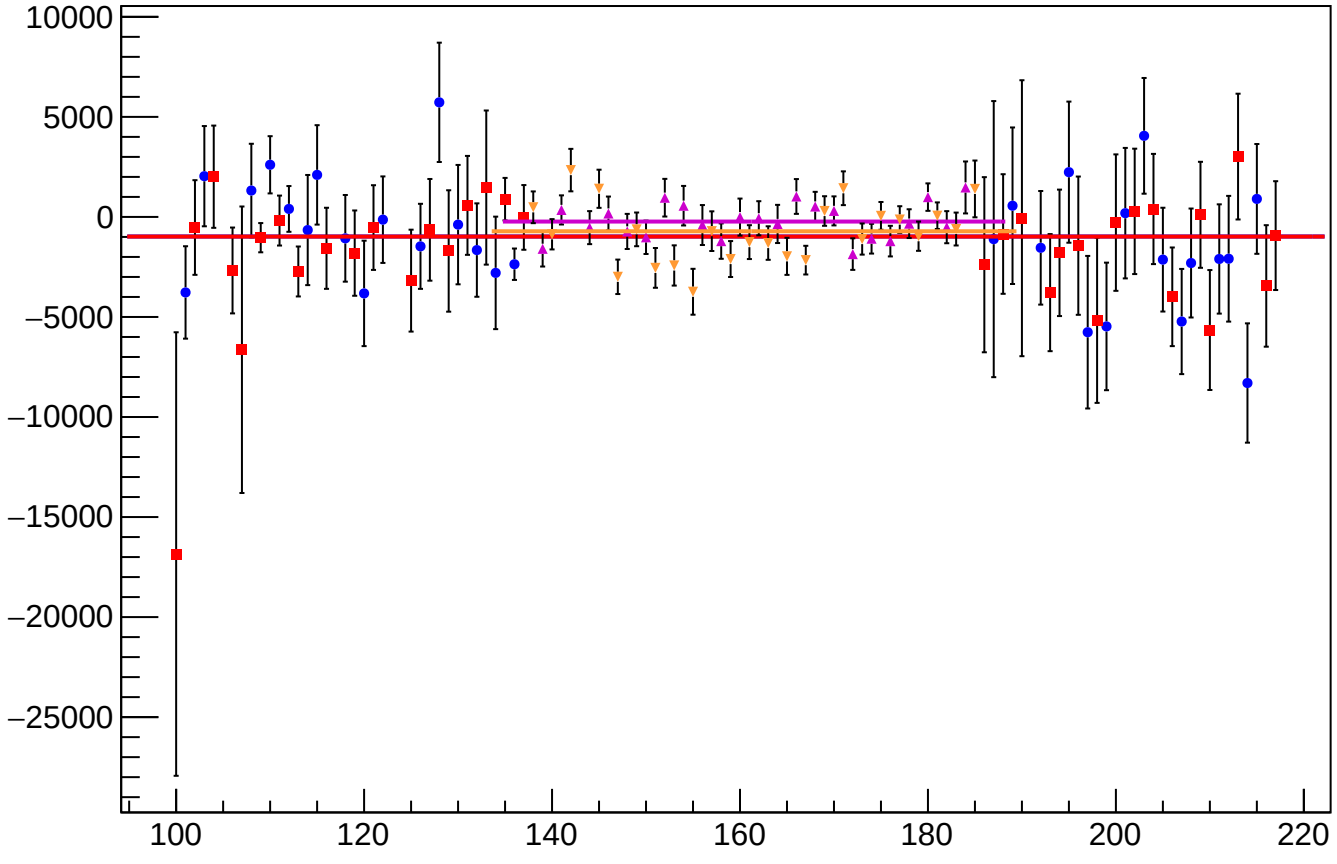
Right Out: 1806.850+/-0.286 χ^2/NDF: 150542.0/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.494+/-0.206 χ^2/NDF: 319852.5/54

All: 1792.236+/-0.145 χ^2/NDF: 485563.7/11

- sign 1794.946+/-0.205 χ^2/NDF: 165359.4/56



Right In: -977.301+/-388.954 χ^2/NDF: 40.8/30

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -982.216+/-354.300 χ^2/NDF: 21.4/33

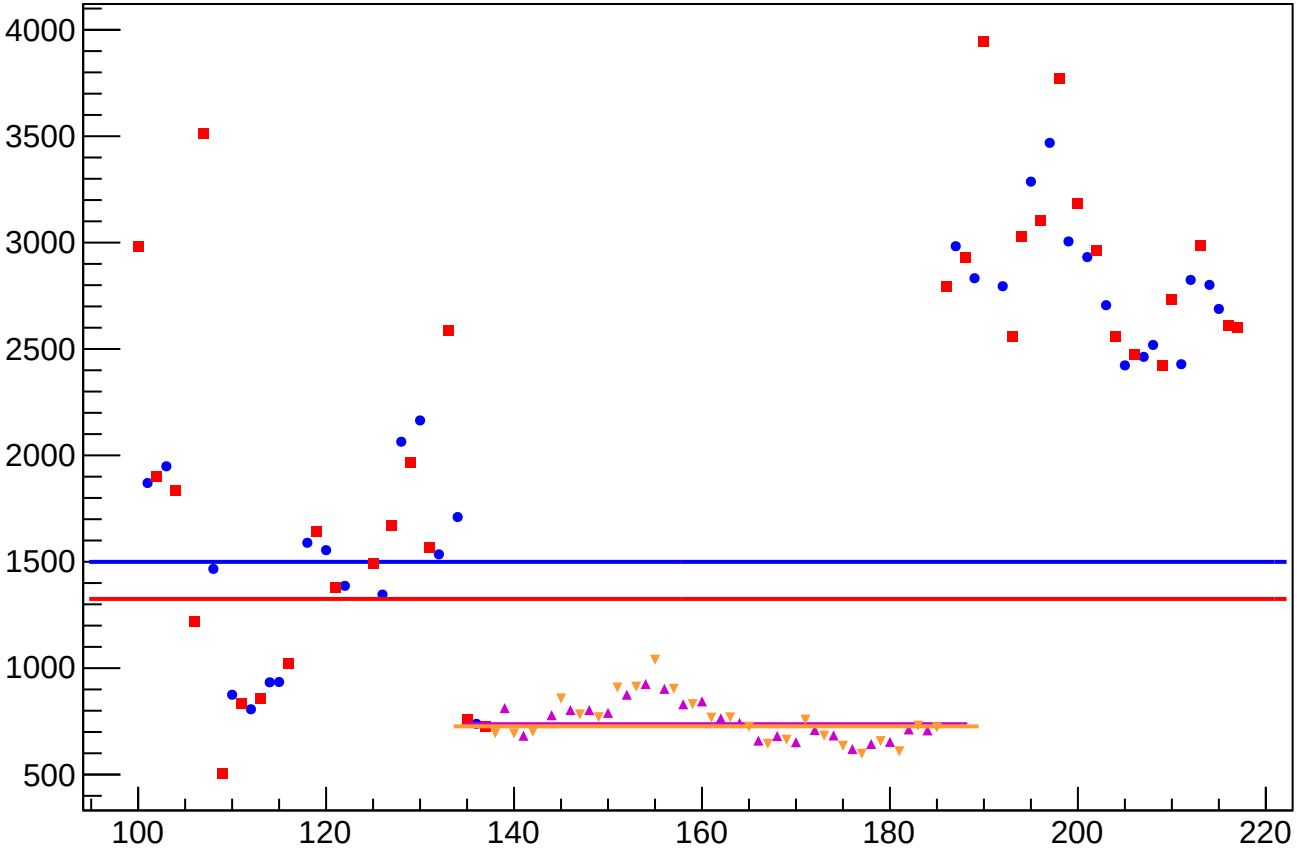
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -758.662+/-156.234 χ^2/NDF: 100.6/54

All: -567.002+/-110.311 χ^2/NDF: 152.7/111

- sign -376.472+/-155.773 χ^2/NDF: 49.1/56

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1499.587+/-0.275 χ^2/NDF: 8619770.8/30

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

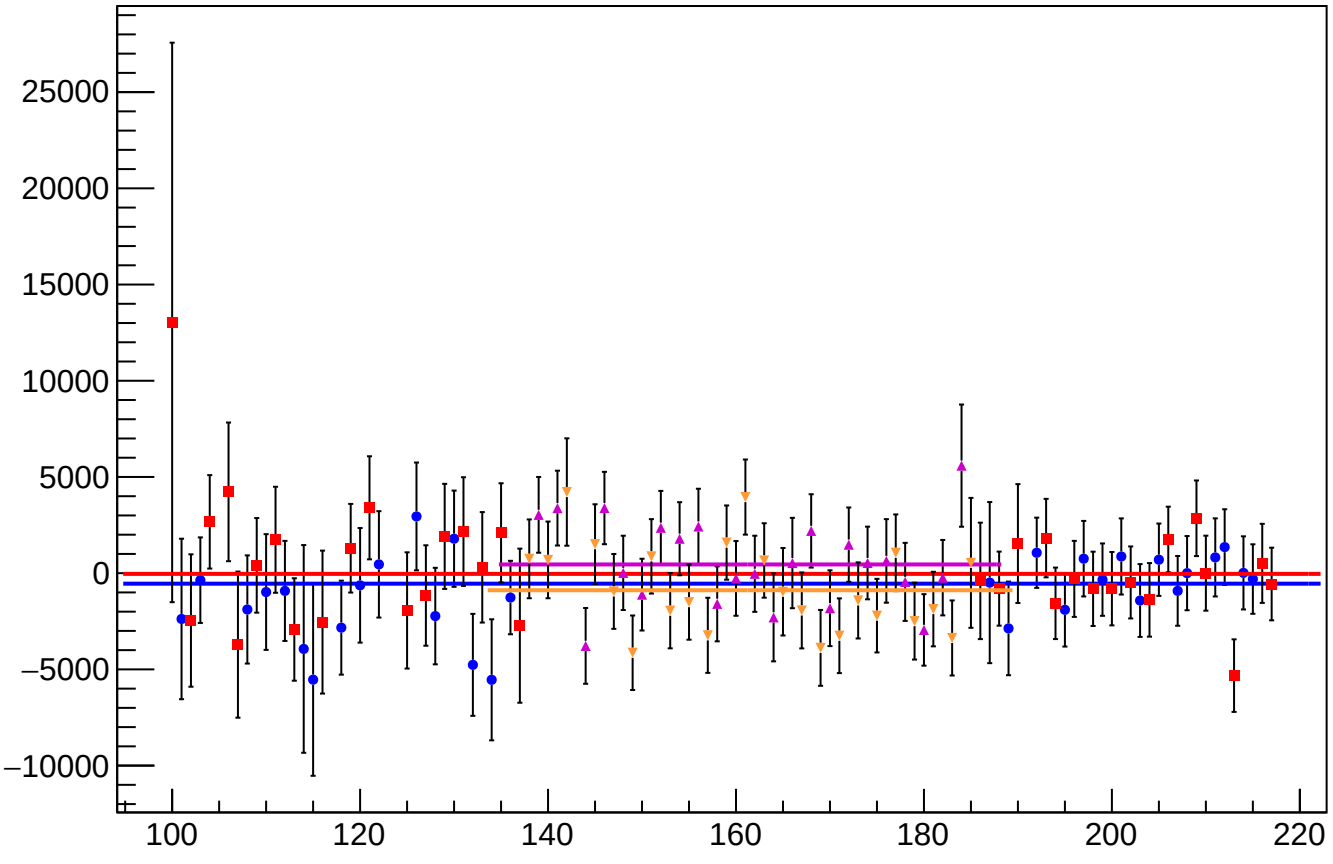
Right Out: 1325.407+/-0.251 χ^2/NDF: 12227751.2/33

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 851.322+/-0.110 χ^2/NDF: 15929089.3/54

All: 850.913+/-0.078 χ^2/NDF: 33076229.8/11

- sign 850.508+/-0.110 χ^2/NDF: 17147113.2/56



Right In: -545.796+/-411.224 χ^2/NDF: 16.4/30

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -36.016+/-403.786 χ^2/NDF: 25.9/33

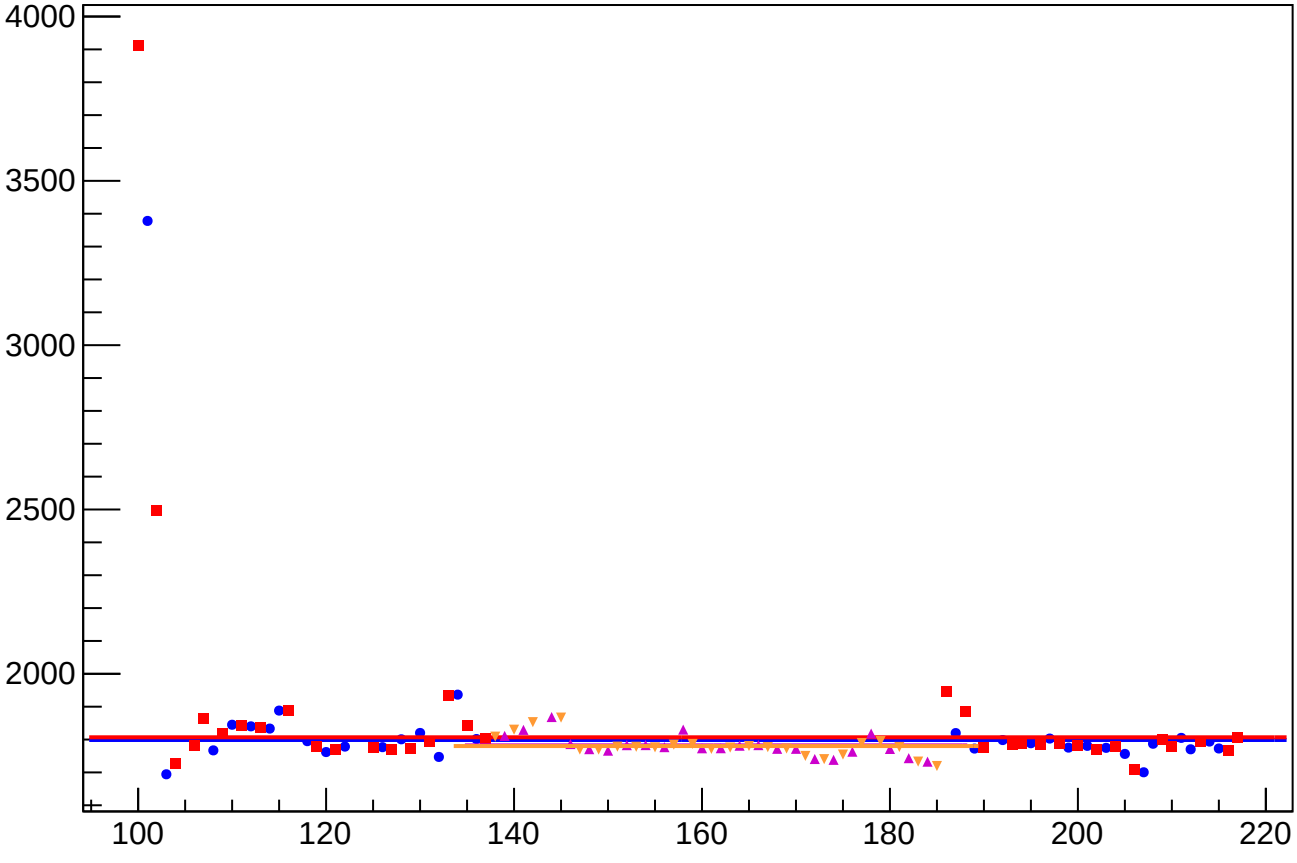
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -715.247+/-291.485 χ^2/NDF: 44.9/54

All: -254.379+/-205.516 χ^2/NDF: 102.3/111

- sign 201.205+/-289.809 χ^2/NDF: 52.4/56

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1798.678+/-0.291 χ^2/NDF: 307467.4/30

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

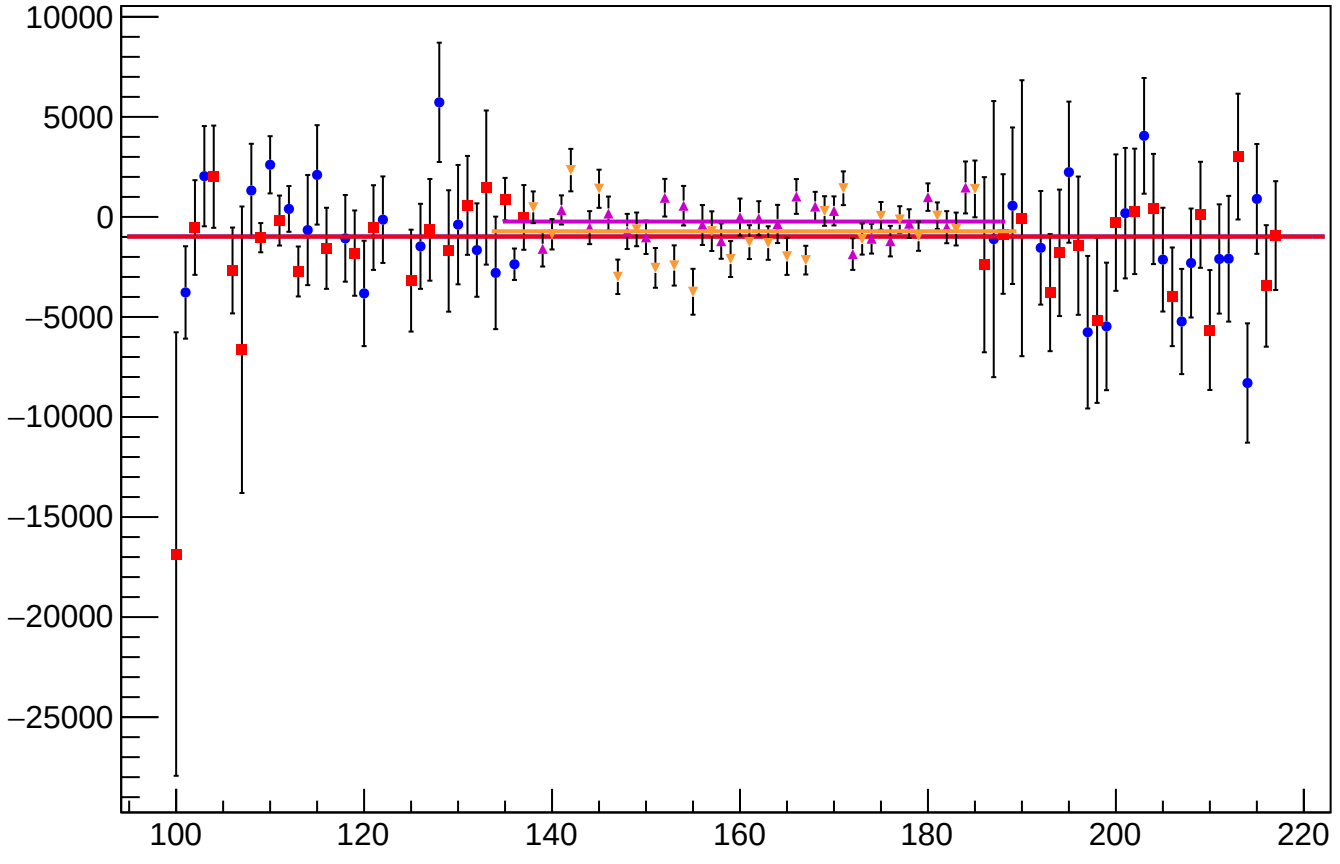
Right Out: 1806.850+/-0.286 χ^2/NDF: 150542.1/33

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.494+/-0.206 χ^2/NDF: 319852.5/54

All: 1792.236+/-0.145 χ^2/NDF: 485563.9/111

- sign 1794.946+/-0.205 χ^2/NDF: 165359.5/56



Right In: -977.291+/-388.955 χ^2/NDF: 40.8/30

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

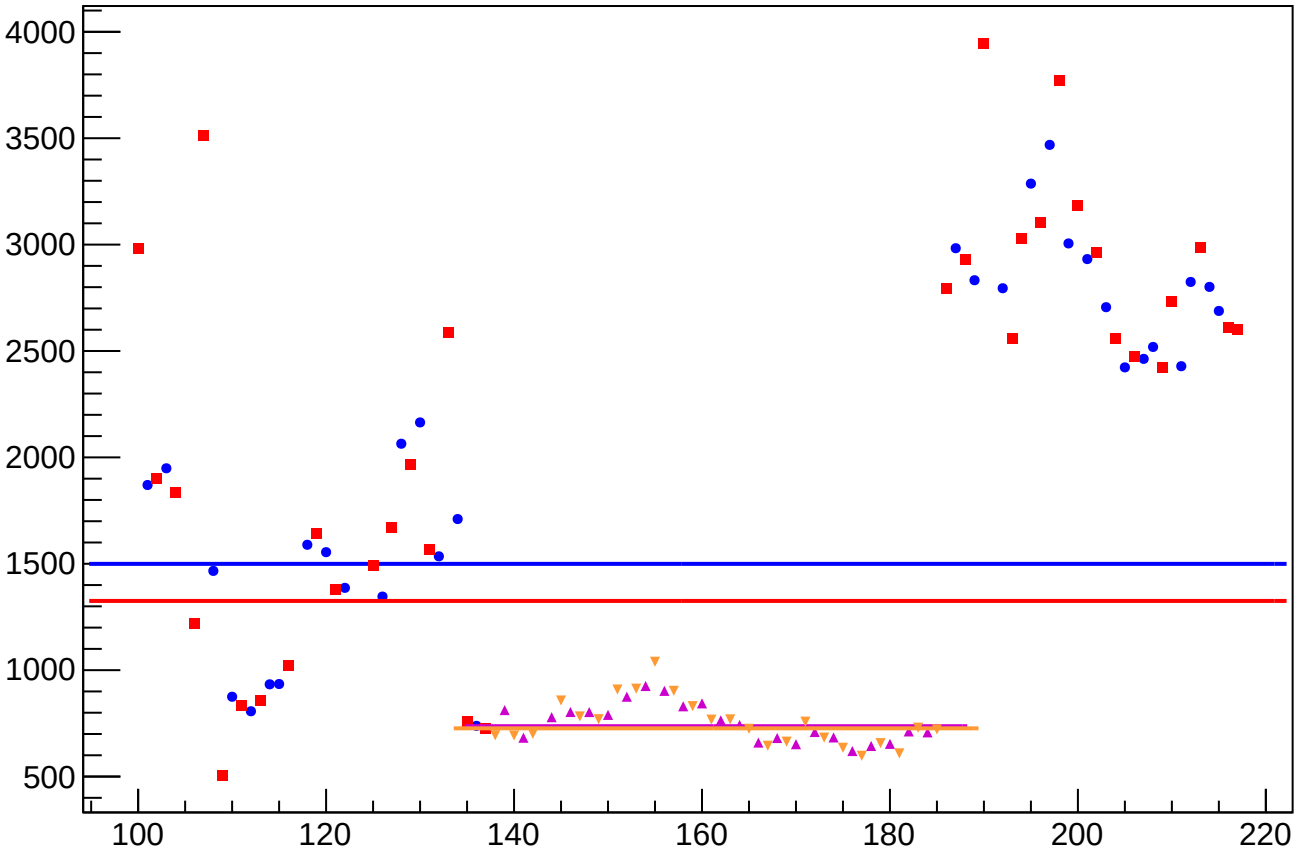
Right Out: -982.221+/-354.301 χ^2/NDF: 21.4/33

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -758.662+/-156.234 χ^2/NDF: 100.6/54

All: -567.001+/-110.311 χ^2/NDF: 152.7/111

- sign -376.471+/-155.773 χ^2/NDF: 49.1/56



Right In: 1499.590+/-0.275 χ^2/NDF: 8619713.3/30

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1325.410+/-0.251 χ^2/NDF: 12227711.4/33

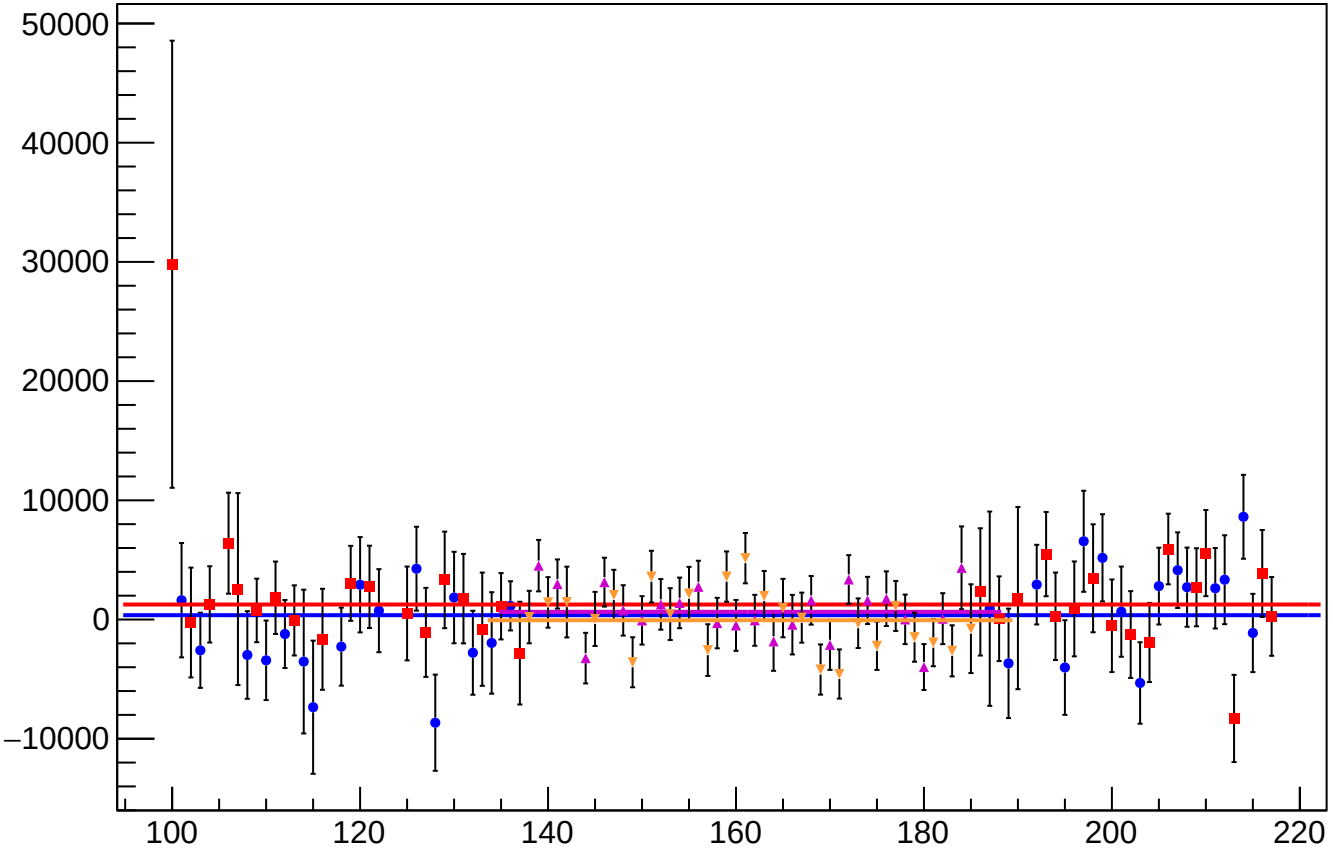
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 851.322+/-0.110 χ^2/NDF: 15929061.5/54

All: 850.913+/-0.078 χ^2/NDF: 33076214.6/11

- sign 850.507+/-0.110 χ^2/NDF: 17147125.8/56

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 363.447+/-641.428 χ^2/NDF: 32.9/30

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1259.657+/-635.597 χ^2/NDF: 22.0/33

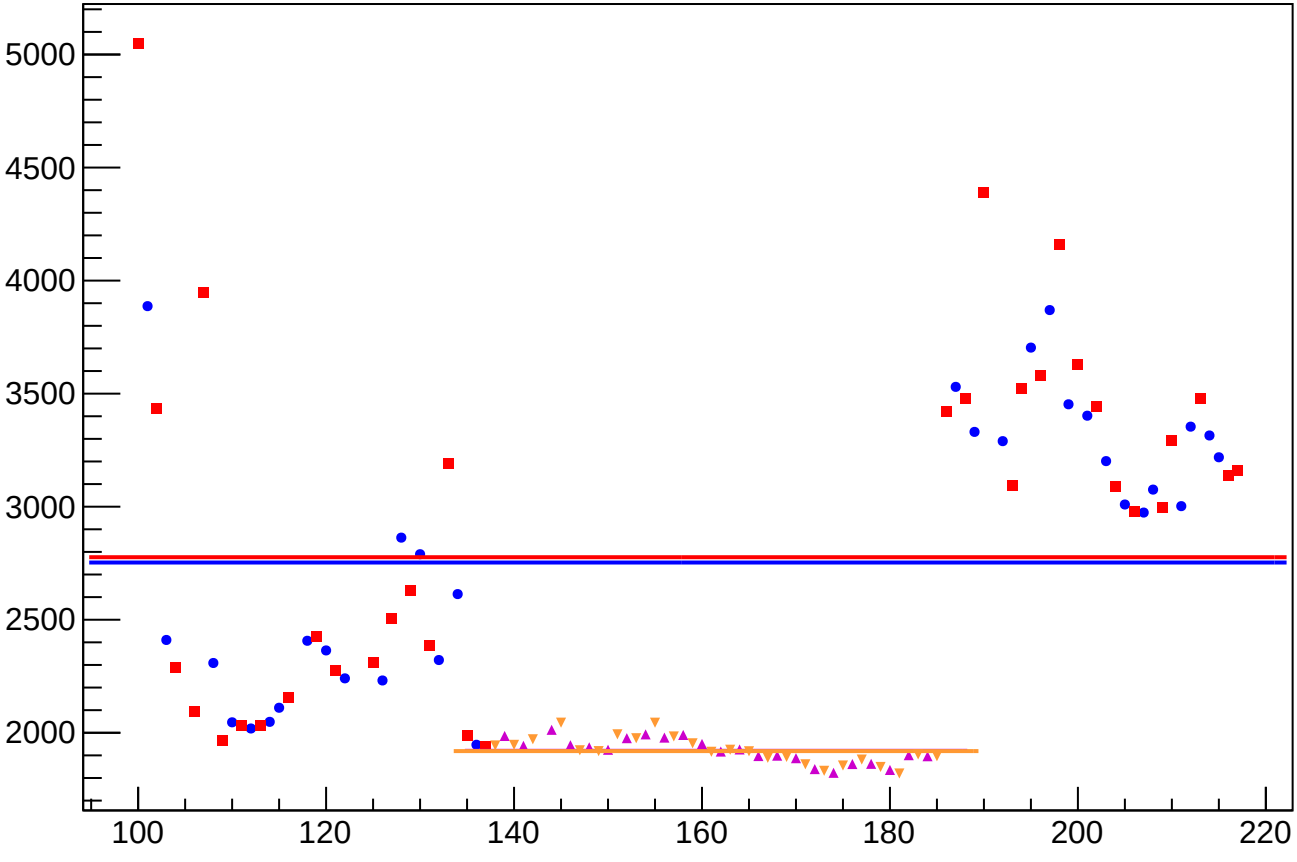
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 78.115+/-365.959 χ^2/NDF: 66.2/54

All: 463.823+/-258.954 χ^2/NDF: 114.7/111

- sign 850.615+/-366.474 χ^2/NDF: 46.3/56

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2753.066+/-0.454 χ^2/NDF: 1625194.5/30

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

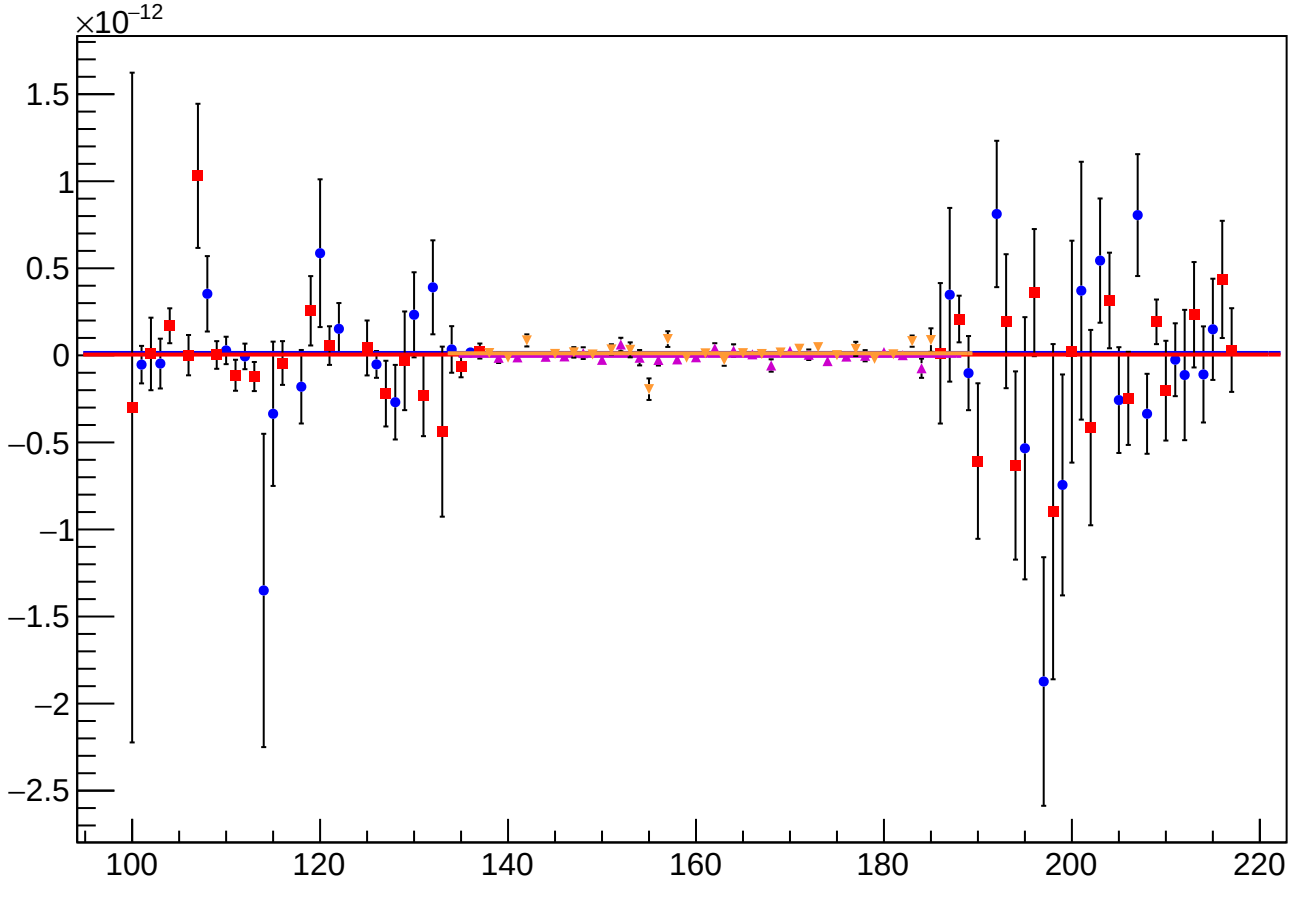
Right Out: 2776.529+/-0.449 χ^2/NDF: 1993648.4/33

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

\+ sign 2190.485+/-0.259 χ^2/NDF: 3941821.2/54

All: 2197.679+/-0.183 χ^2/NDF: 8390308.9/11

\- sign 2204.895+/-0.259 χ^2/NDF: 4446939.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

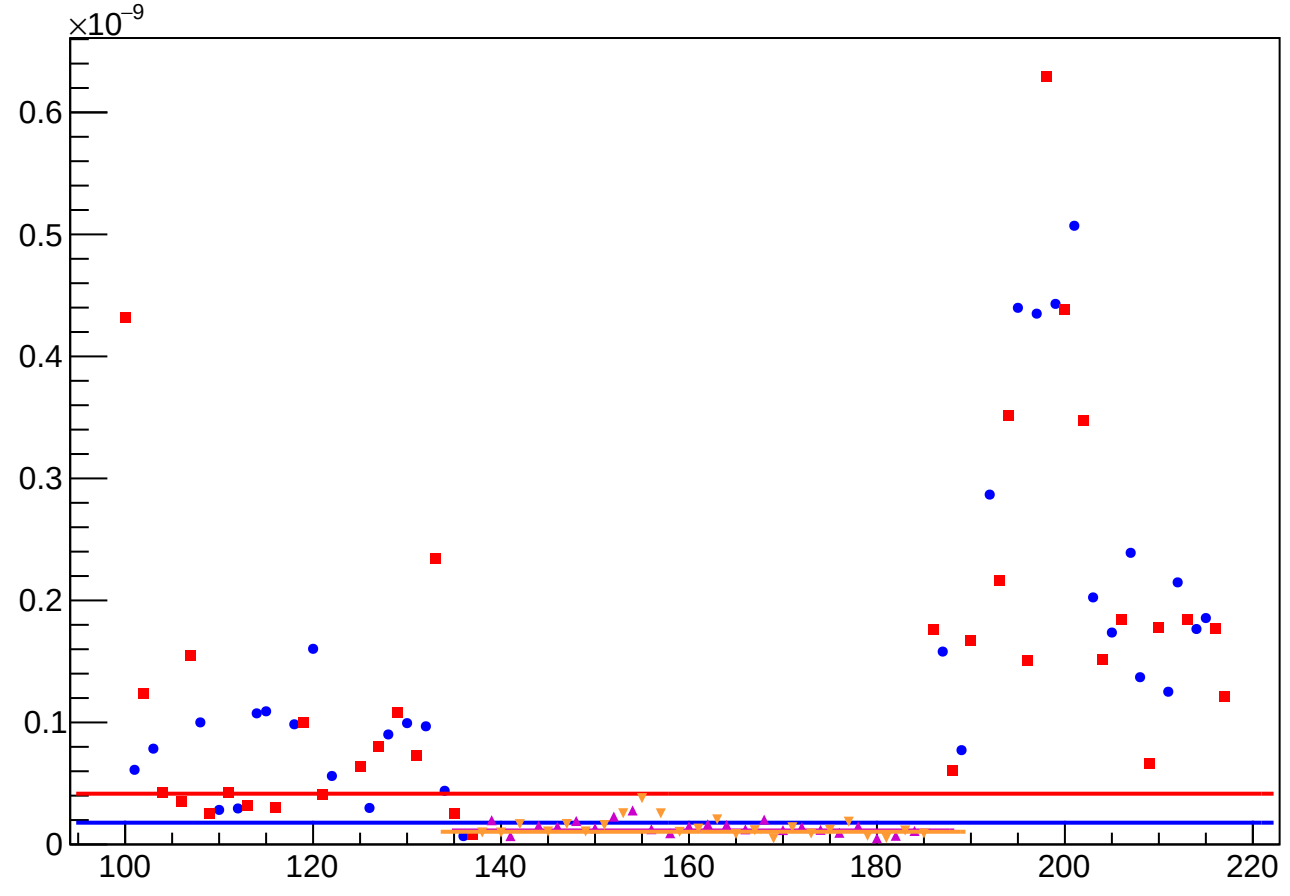
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/33

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.6/54

All: 0.000+/-0.000 χ^2/NDF: 137.4/111

- sign -0.000+/-0.000 χ^2/NDF: 54.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 12629396.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

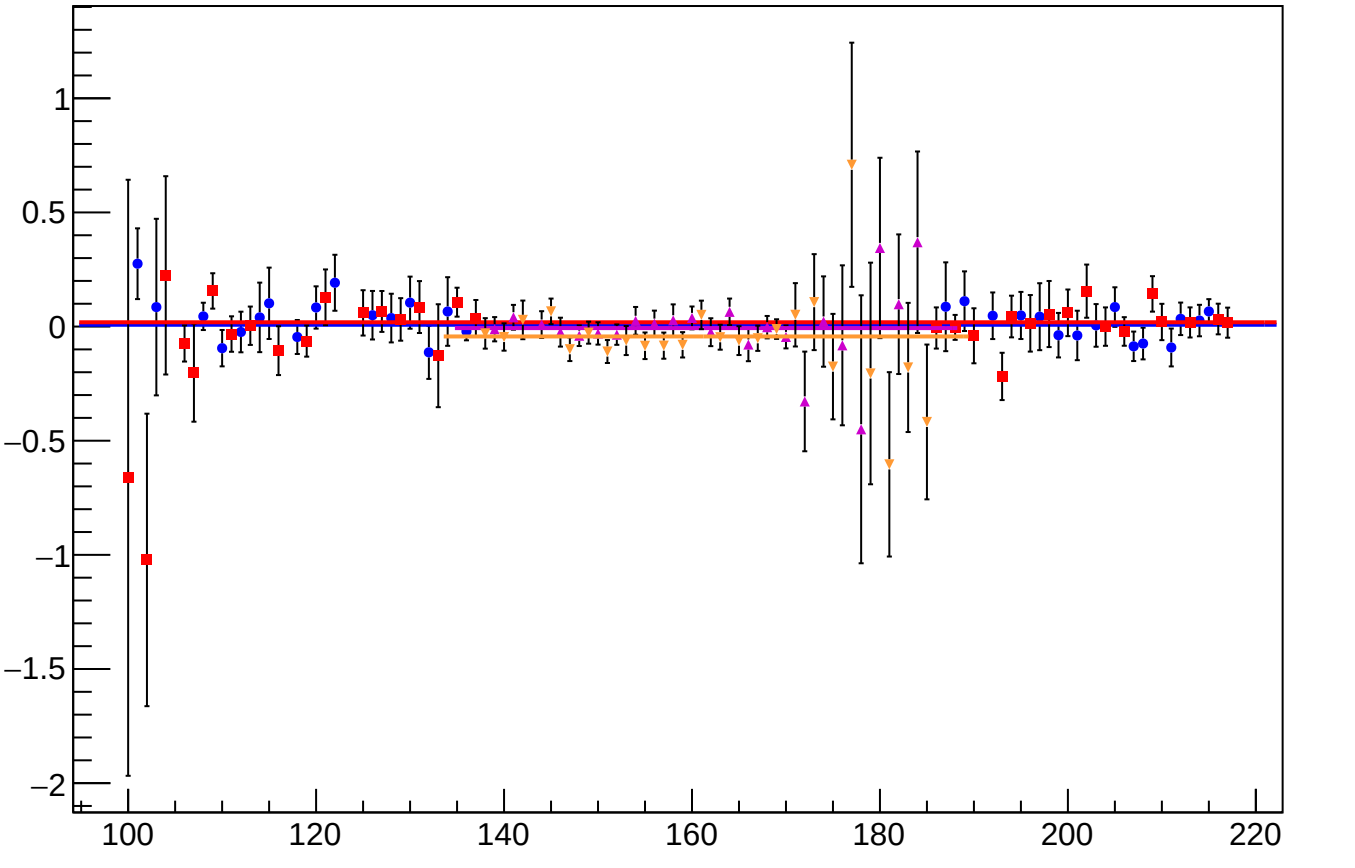
Right Out: 0.000+/-0.000 χ^2/NDF: 8964429.9/33

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15222683.2/54

All: 0.000+/-0.000 χ^2/NDF: 29590153.1/111

- sign 0.000+/-0.000 χ^2/NDF: 14236765.0/56



Right In: 0.008+/-0.015 χ^2/NDF: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

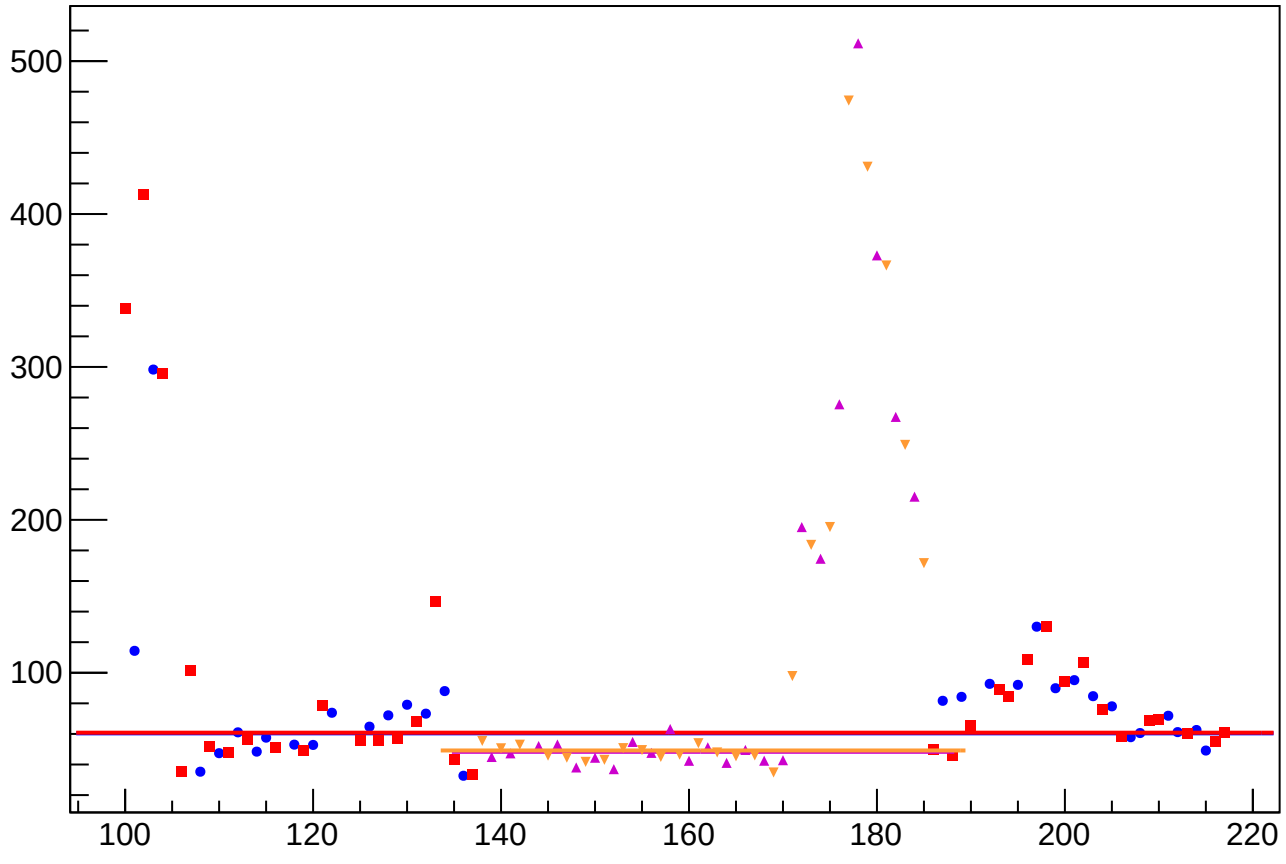
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.020+/-0.010 χ^2/NDF: 45.4/54

All: -0.008+/-0.007 χ^2/NDF: 87.7/111

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.377+/-0.011 χ^2/NDF: 4335136.9/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

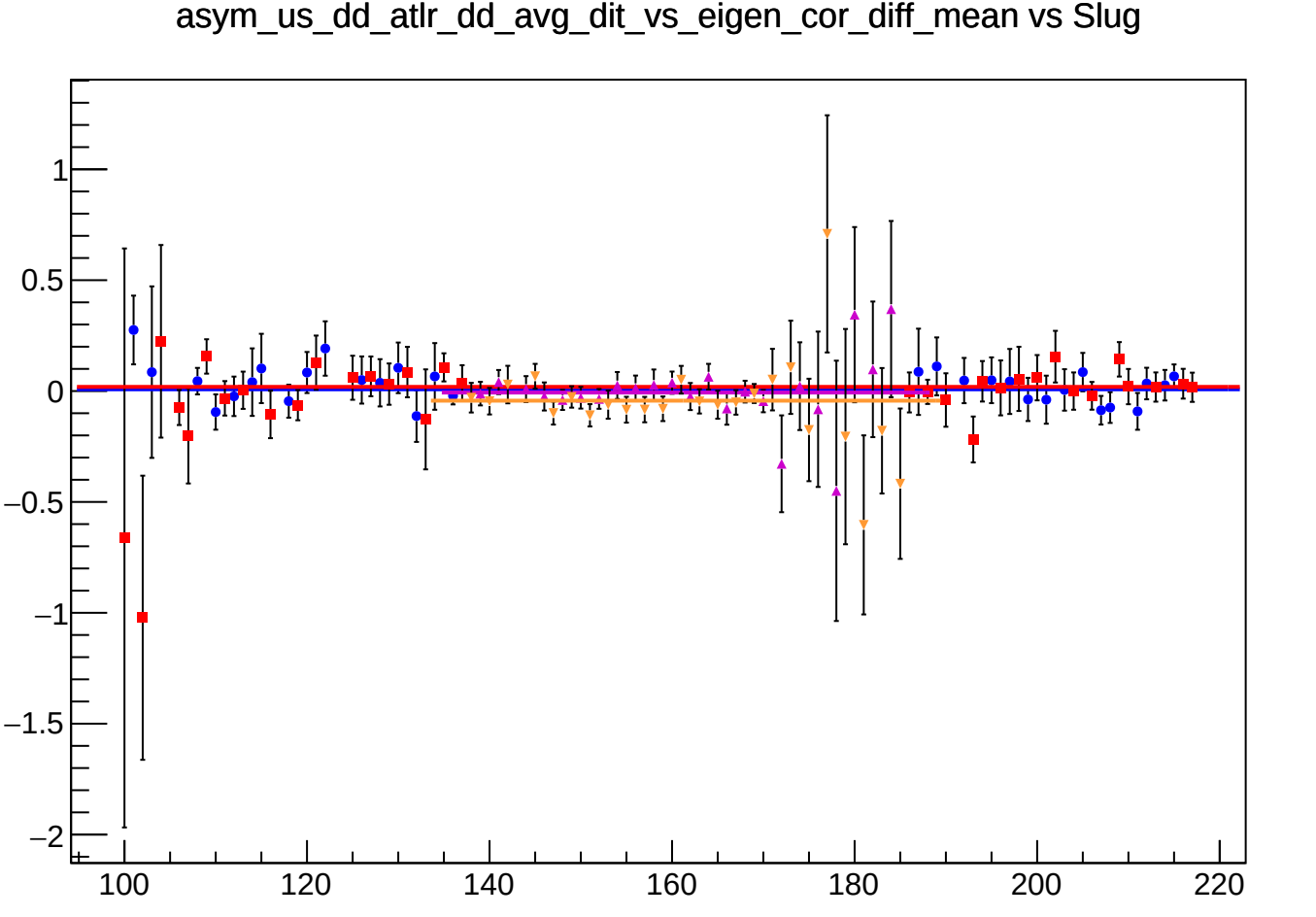
Right Out: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.196+/-0.007 χ^2/NDF: 12166130.2/54

All: 53.999+/-0.005 χ^2/NDF: 24296232.2/111

- sign 53.810+/-0.007 χ^2/NDF: 12128676.7/56



Right In: 0.008+/-0.015 χ^2/NDF: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

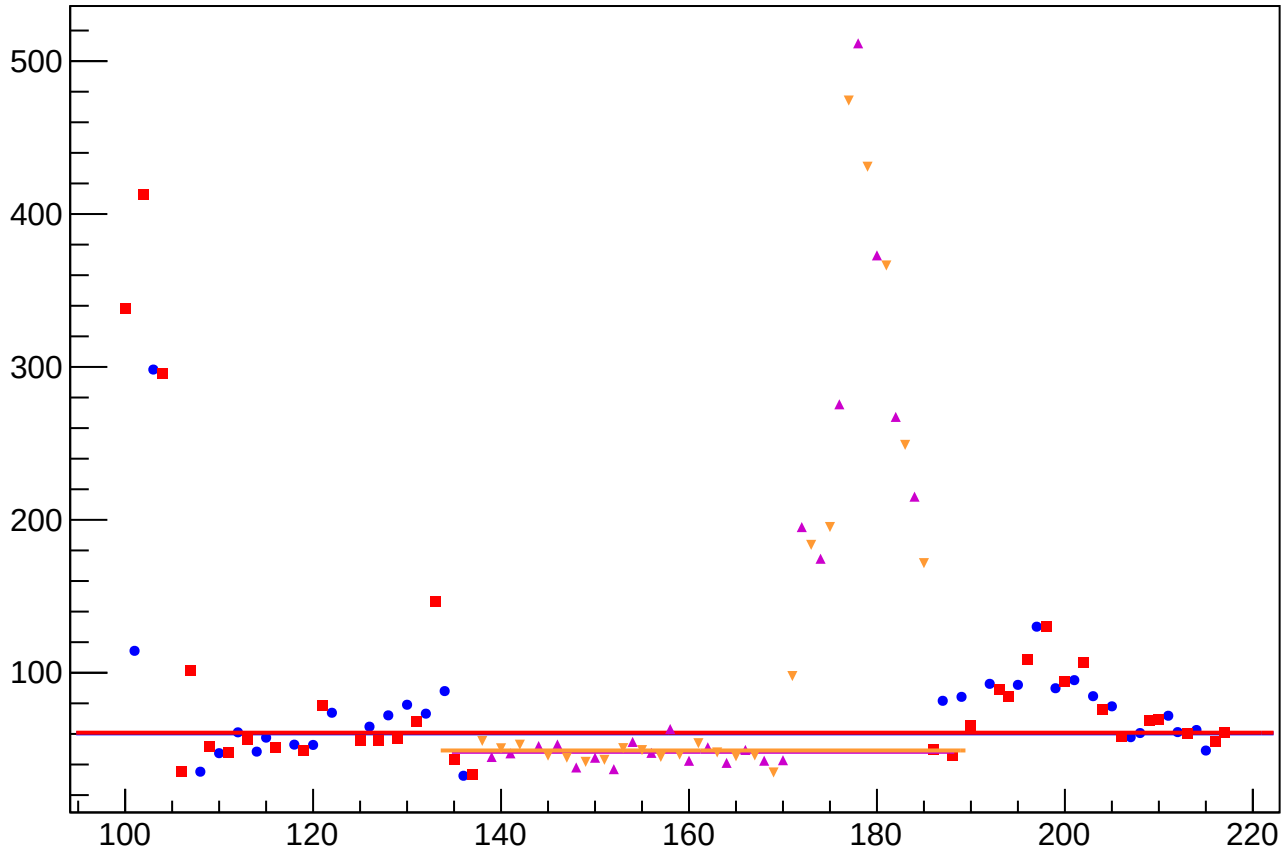
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.020+/-0.010 χ^2/NDF: 45.4/54

All: -0.008+/-0.007 χ^2/NDF: 87.7/111

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.377+/-0.011 χ^2/NDF: 4335136.9/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

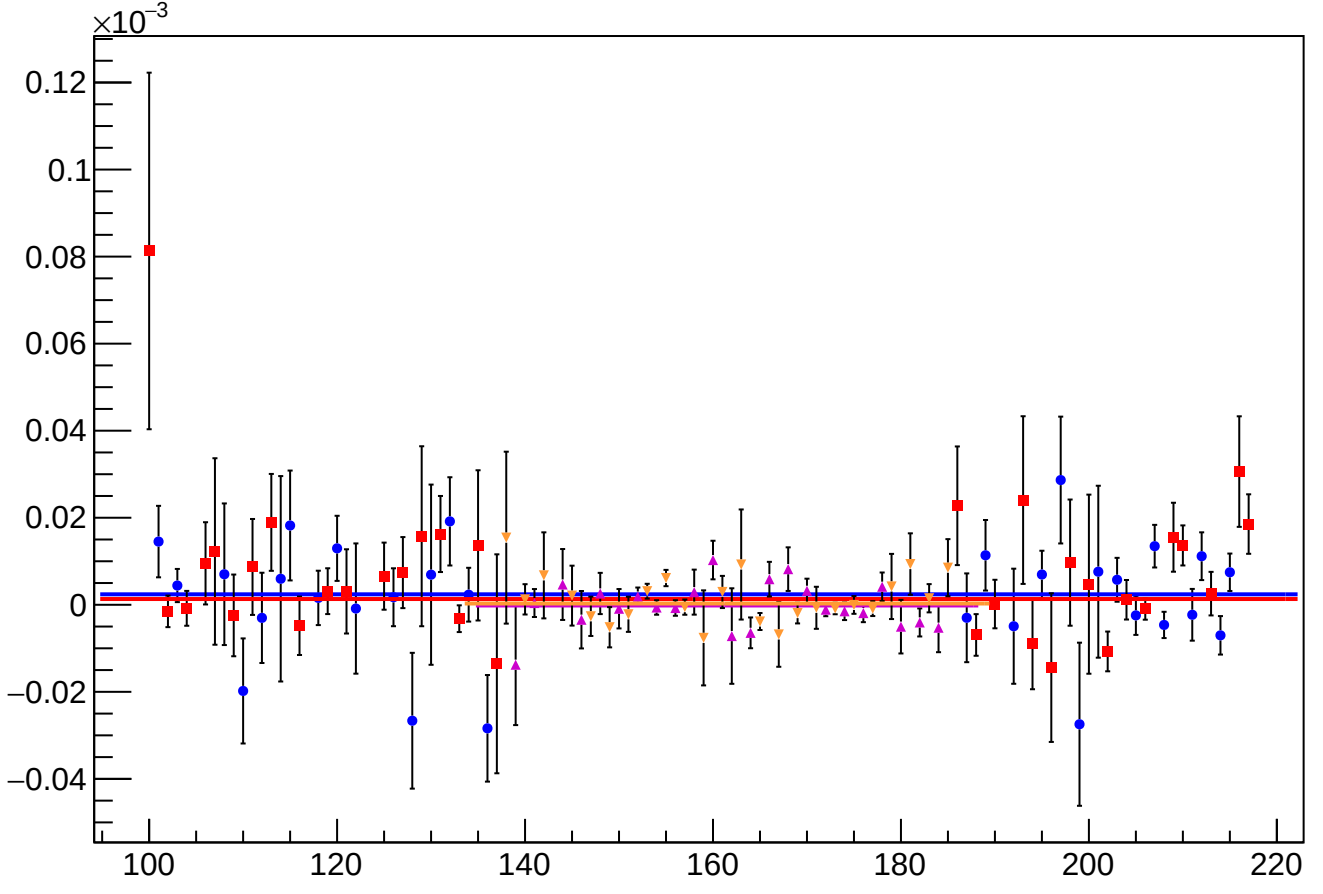
Right Out: 60.813+/-0.011 χ^2/NDF: 4335289.4/33

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.196+/-0.007 χ^2/NDF: 12166130.2/54

All: 53.999+/-0.005 χ^2/NDF: 24296232.2/111

- sign 53.810+/-0.007 χ^2/NDF: 12128676.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 52.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

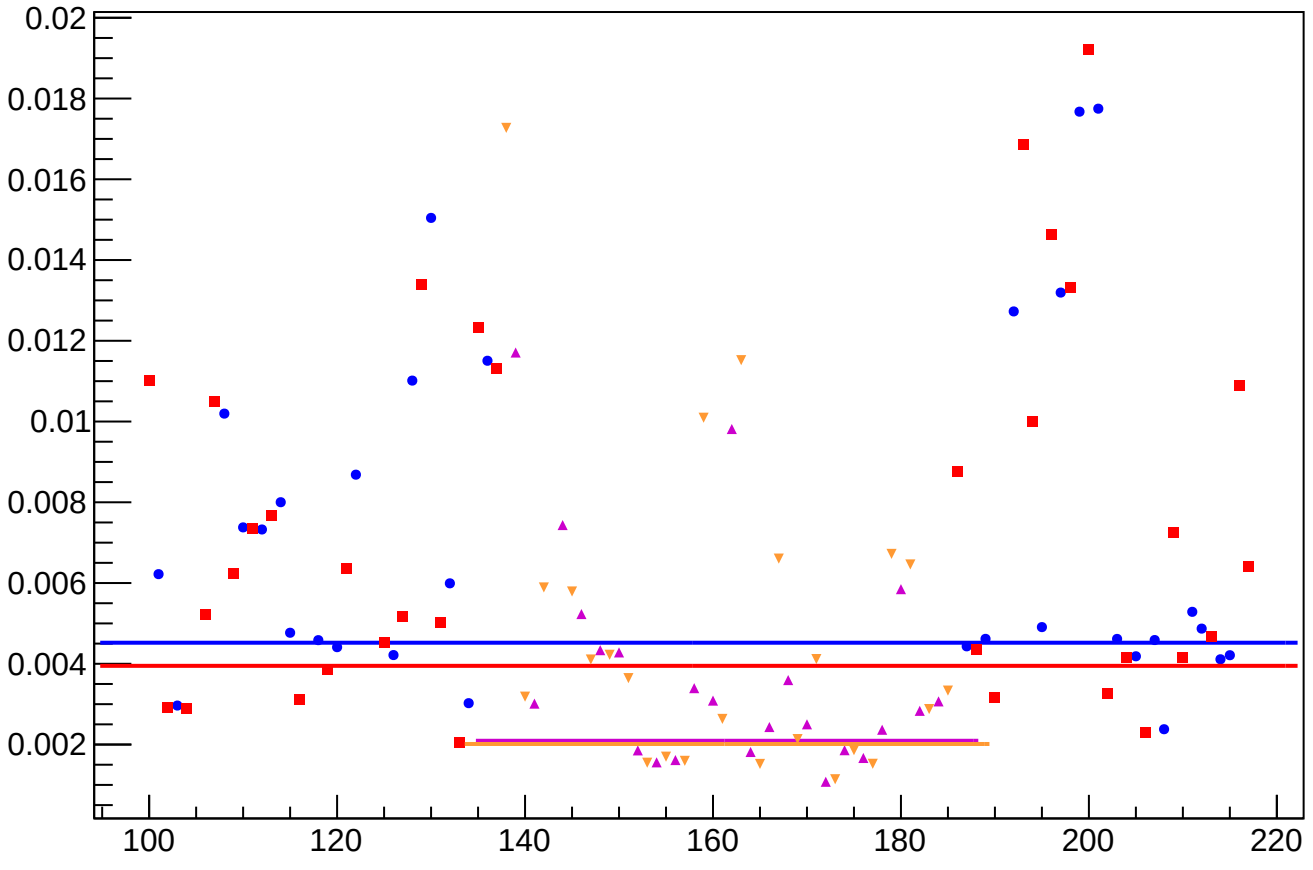
Right Out: 0.000+/-0.000 χ^2/NDF: 56.2/33

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.4/54

All: 0.000+/-0.000 χ^2/NDF: 166.9/111

- sign 0.000+/-0.000 χ^2/NDF: 83.0/56



Right In: 0.005+/-0.000 χ^2/NDF: 7257638.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

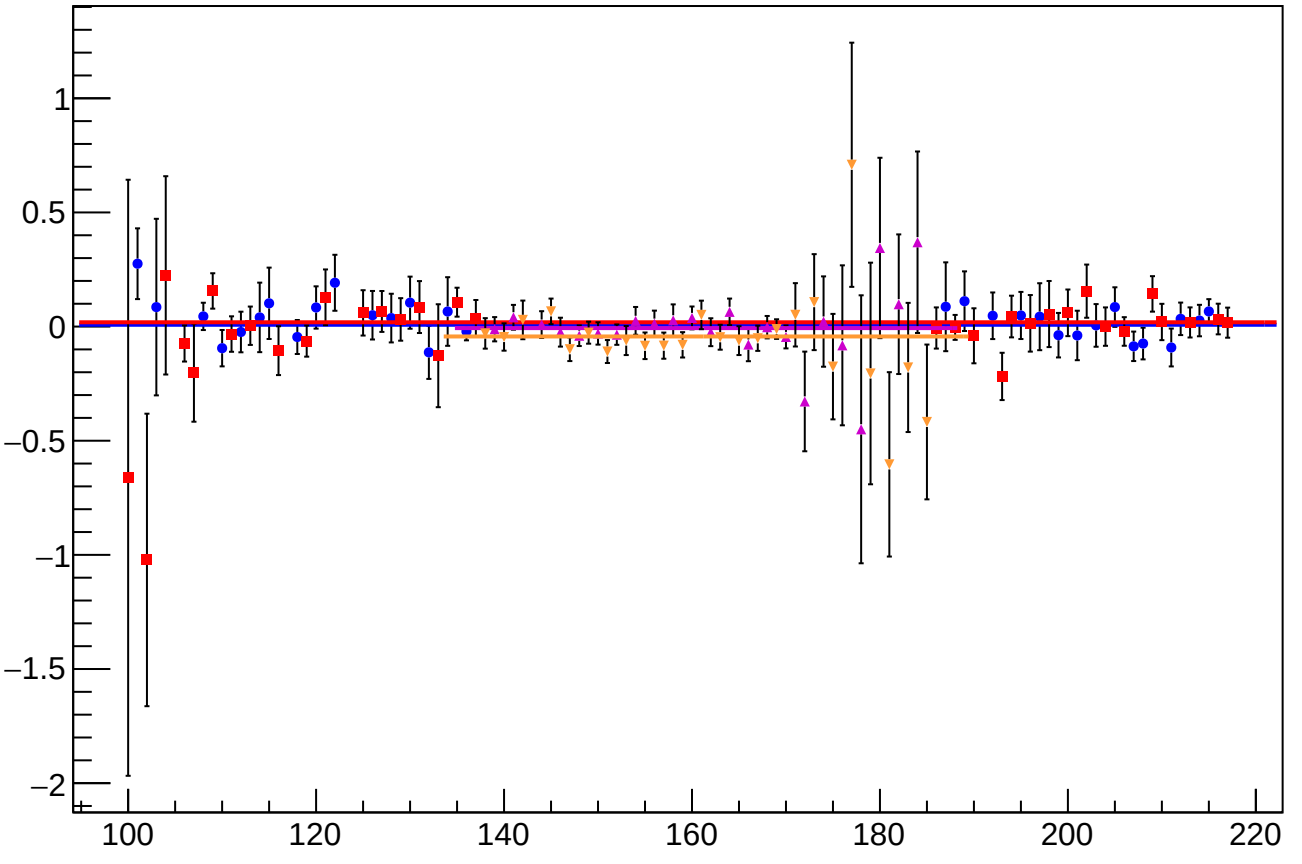
Right Out: 0.004+/-0.000 χ^2/NDF: 9956693.7/33

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 24820539.7/54

All: 0.003+/-0.000 χ^2/NDF: 46597776.0/111

- sign 0.003+/-0.000 χ^2/NDF: 21755571.8/56



Right In: 0.008+/-0.015 χ^2/NDF: 20.5/30

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

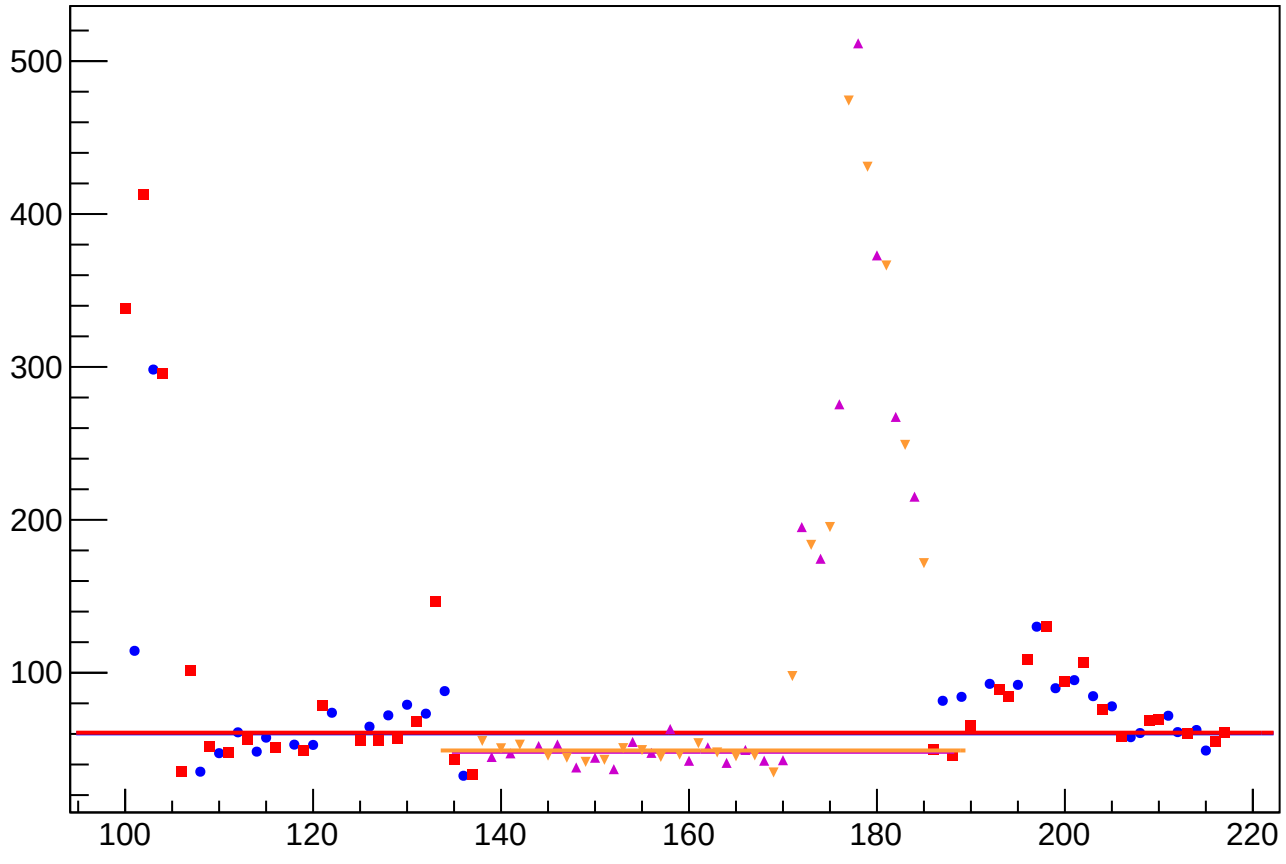
Right Out: 0.019+/-0.015 χ^2/NDF: 26.5/33

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.020+/-0.010 χ^2/NDF: 45.4/54

All: -0.008+/-0.007 χ^2/NDF: 87.7/111

- sign 0.005+/-0.010 χ^2/NDF: 39.3/56



Right In: 60.377+/-0.011 χ^2/NDF: 4334966.0/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

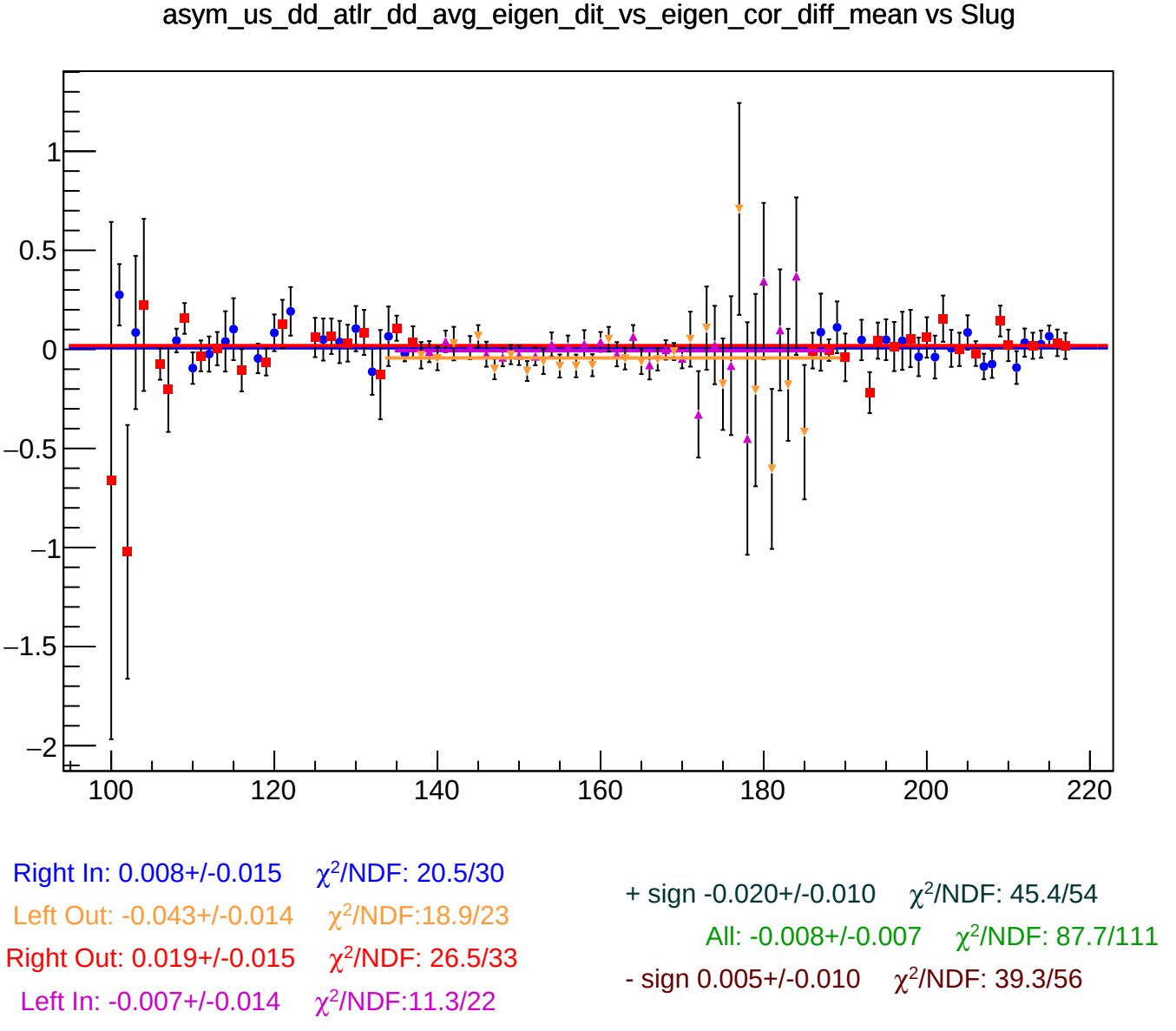
Right Out: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

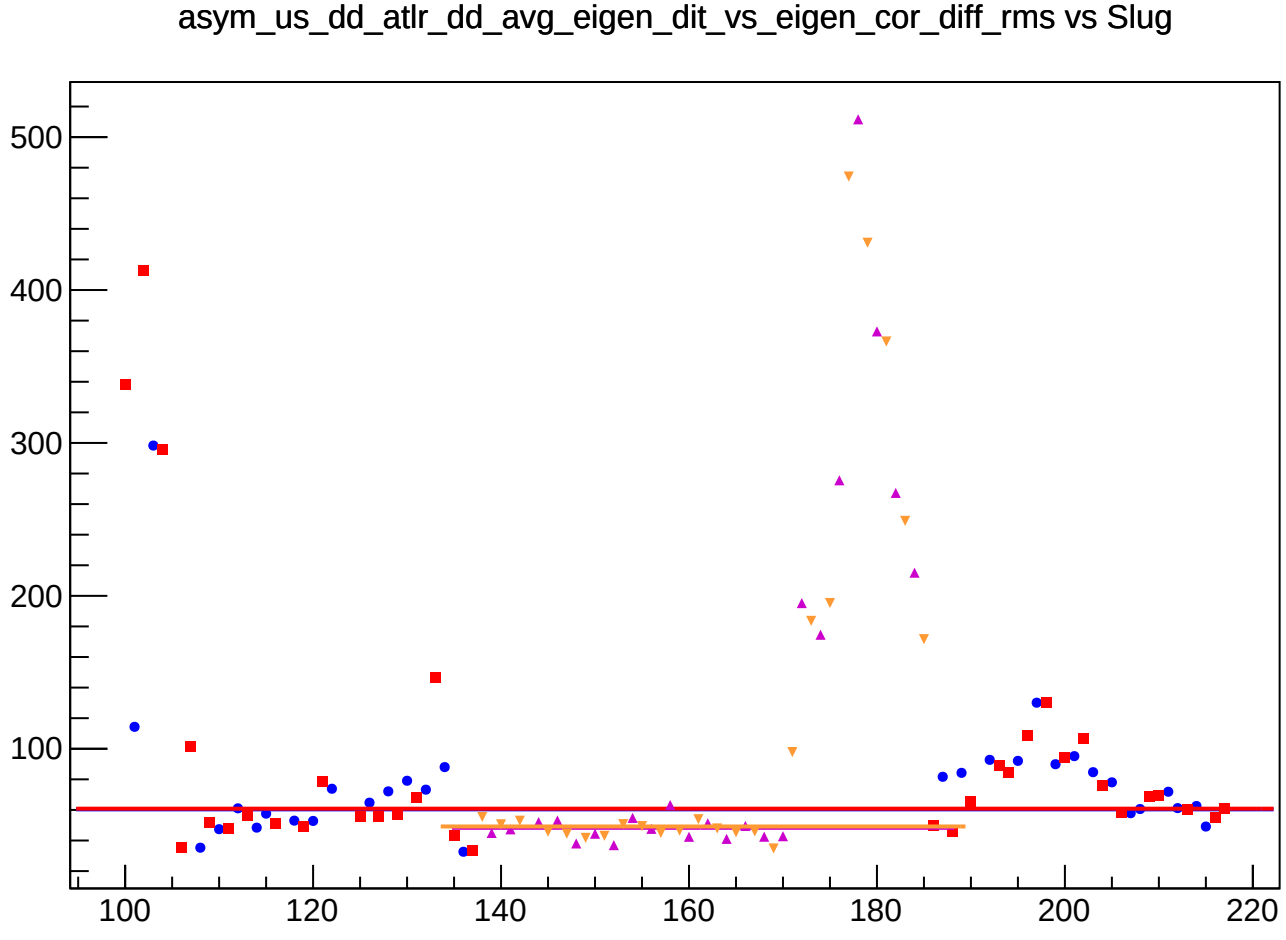
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.196+/-0.007 χ^2/NDF: 12166036.2/54

All: 53.999+/-0.005 χ^2/NDF: 24295942.7/111

- sign 53.810+/-0.007 χ^2/NDF: 12128484.9/56


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
220
Right In: 0.008+/-0.015 χ²/NDF: 20.5/30
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: 0.019+/-0.015 χ²/NDF: 26.5/33
Left In: -0.007+/-0.014 χ²/NDF:11.3/22
+ sign -0.020+/-0.010 χ²/NDF: 45.4/54
All: -0.008+/-0.007 χ²/NDF: 87.7/111
- sign 0.005+/-0.010 χ²/NDF: 39.3/56



Right In: 60.377+/-0.011 χ^2/NDF: 4334966.0/30

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

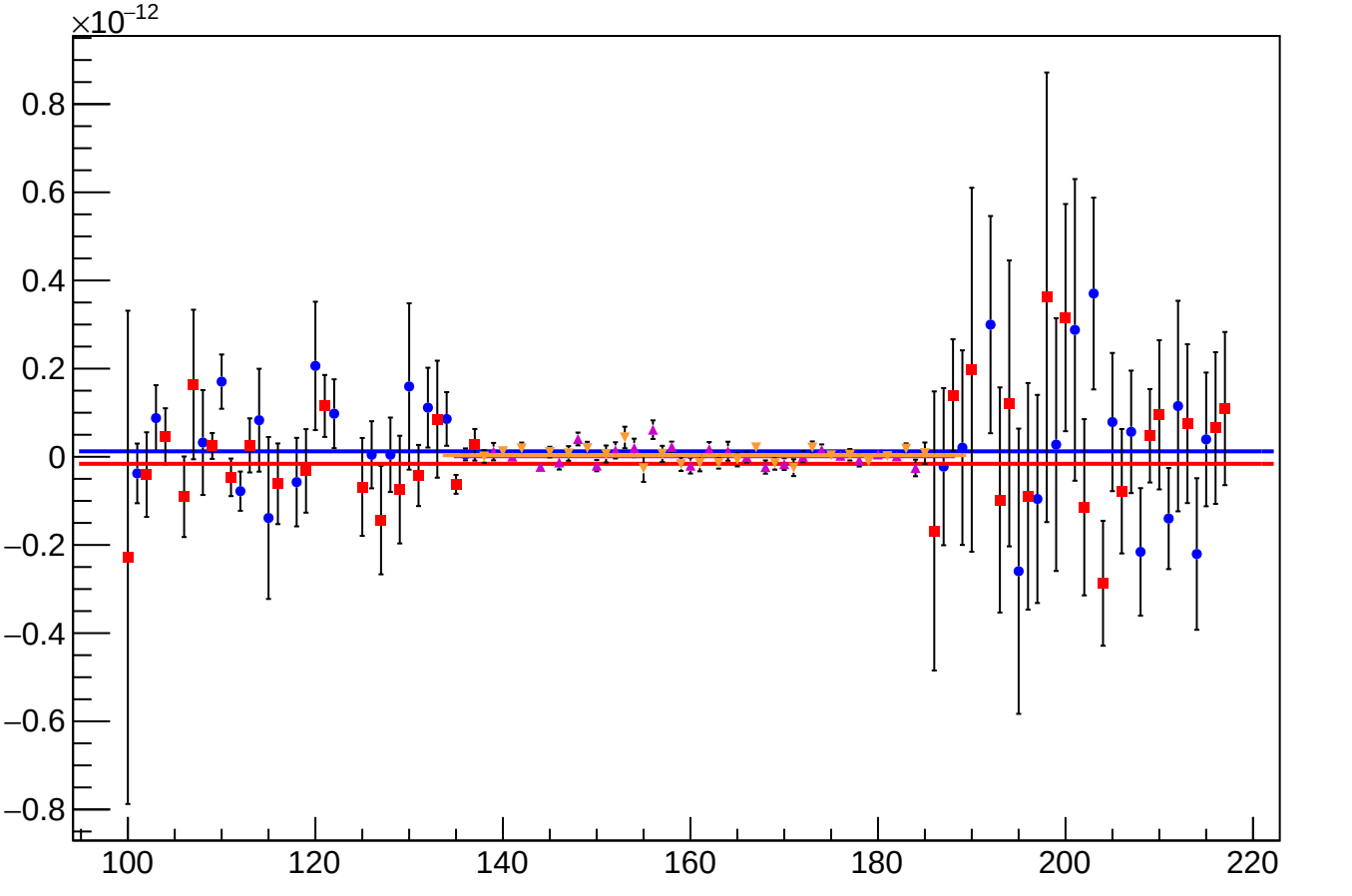
Right Out: 60.813+/-0.011 χ^2/NDF: 4335141.7/33

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.196+/-0.007 χ^2/NDF: 12166036.2/54

All: 53.999+/-0.005 χ^2/NDF: 24295942.7/111

- sign 53.810+/-0.007 χ^2/NDF: 12128484.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

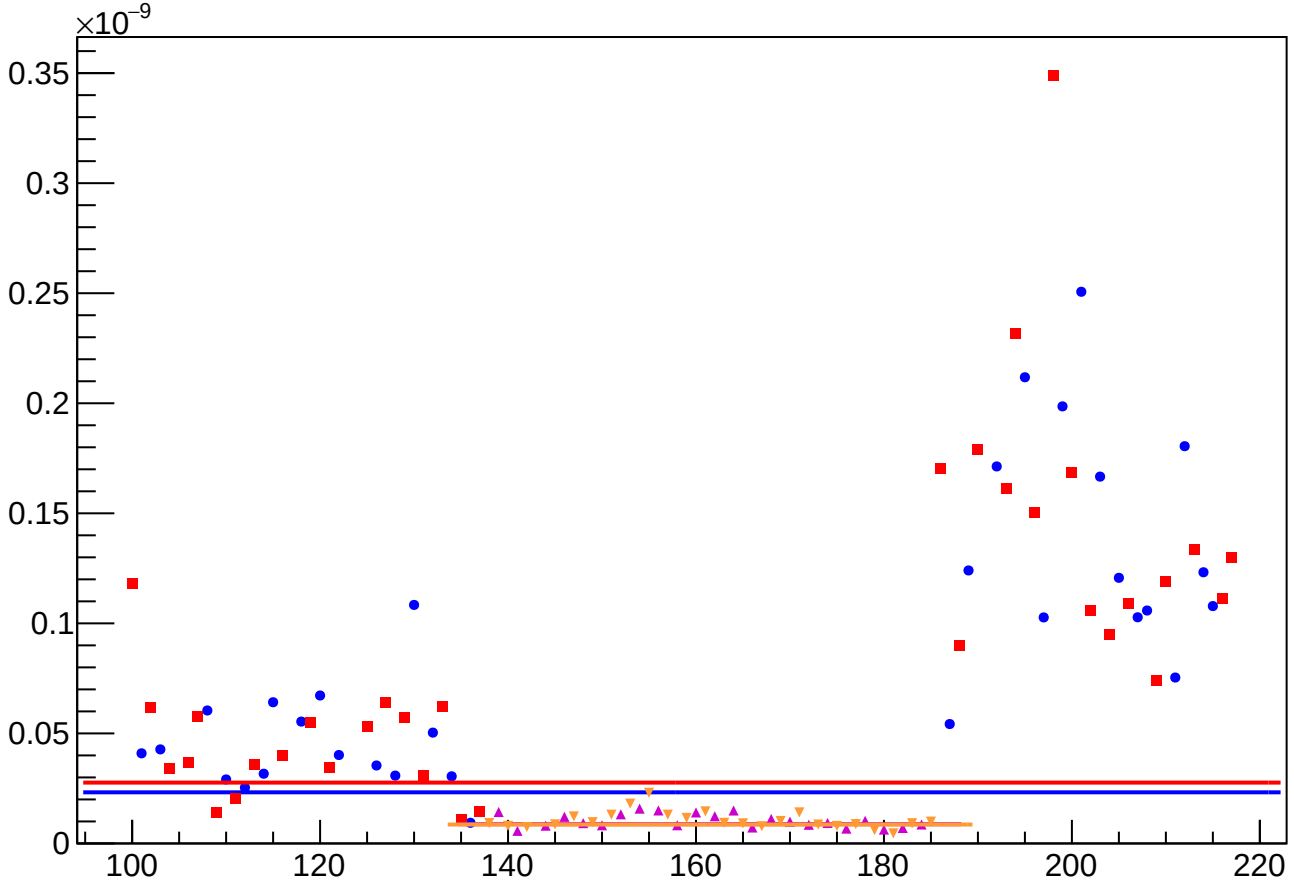
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/33

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.8/54

All: 0.000+/-0.000 χ^2/NDF: 129.3/111

- sign 0.000+/-0.000 χ^2/NDF: 70.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 13114281.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11750139.1/33

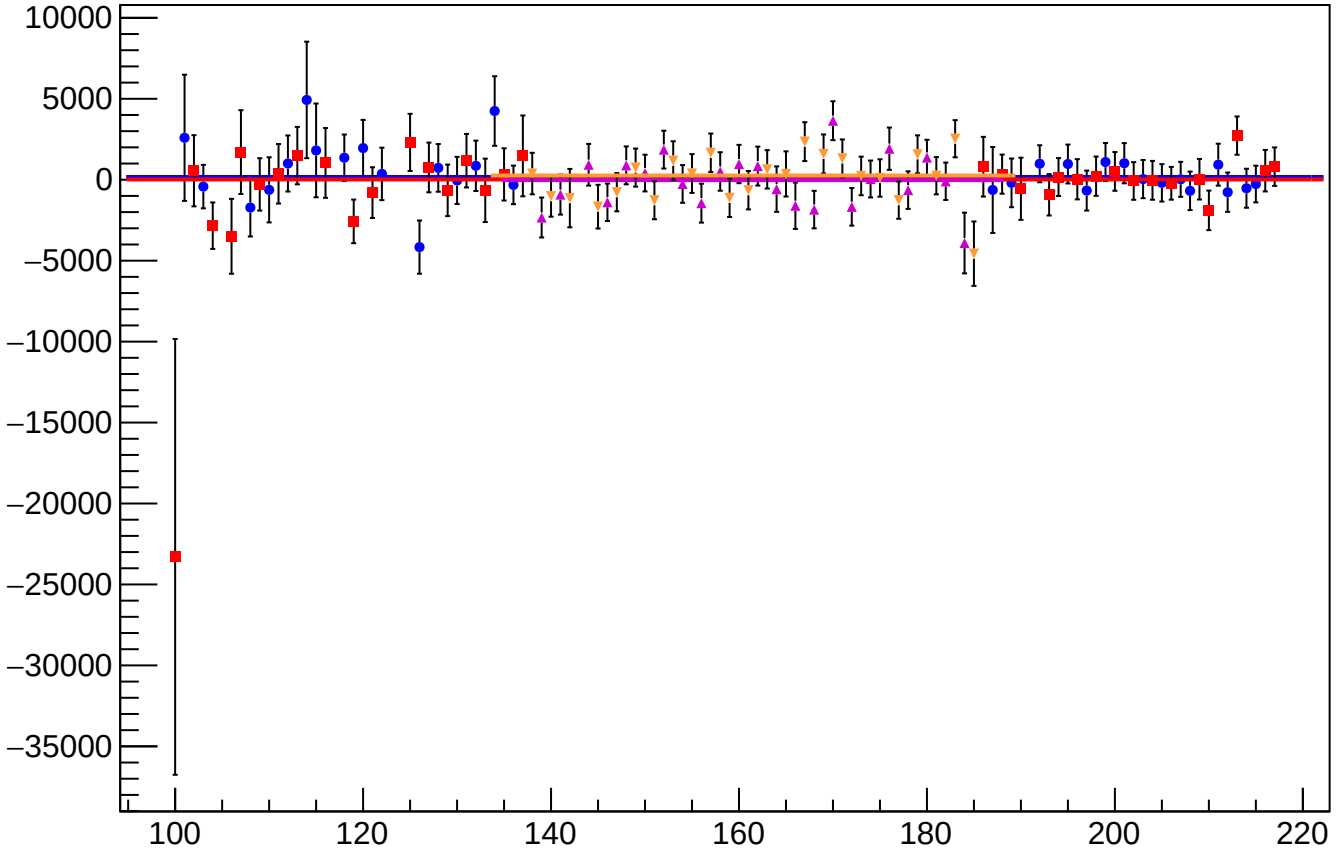
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18950102.0/54

All: 0.000+/-0.000 χ^2/NDF: 37319276.8/111

- sign 0.000+/-0.000 χ^2/NDF: 18360069.4/56

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 168.698+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 19.193+/-250.937 χ^2/NDF: 27.3/33

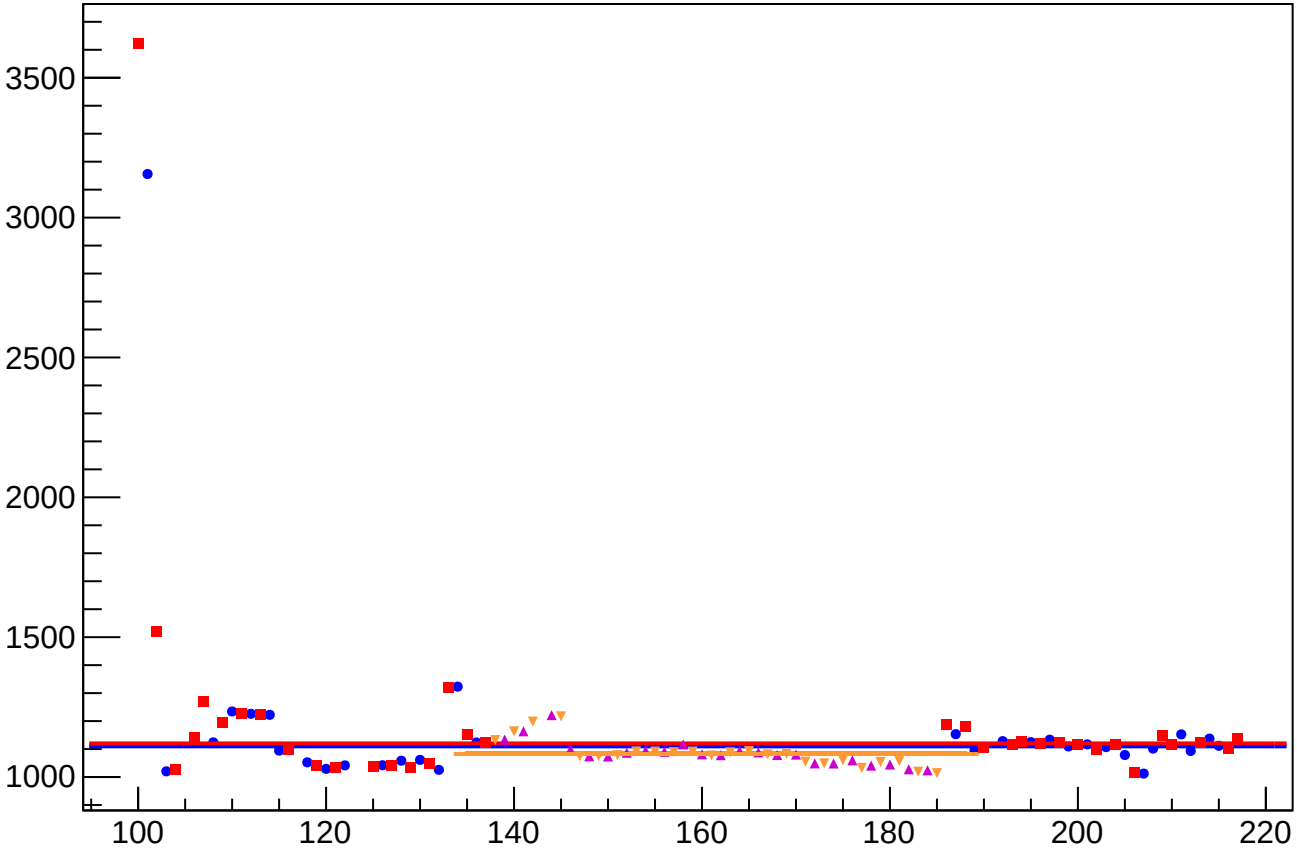
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 215.310+/-178.993 χ^2/NDF: 50.0/54

All: 106.527+/-126.314 χ^2/NDF: 113.8/111

- sign -1.391+/-178.280 χ^2/NDF: 63.1/56

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.705+/-0.180 χ^2/NDF: 647644.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

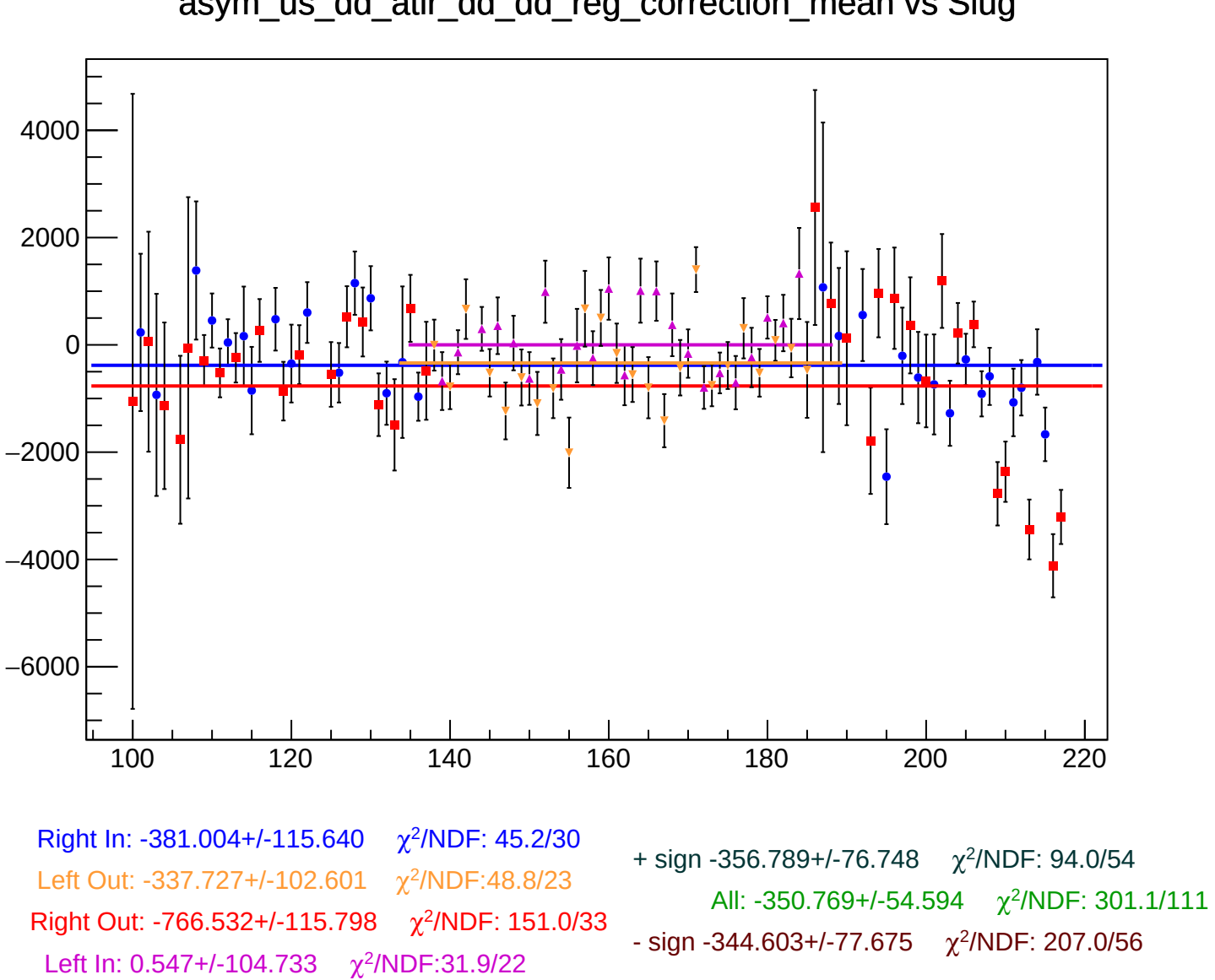
Right Out: 1120.166+/-0.177 χ^2/NDF: 253393.7/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

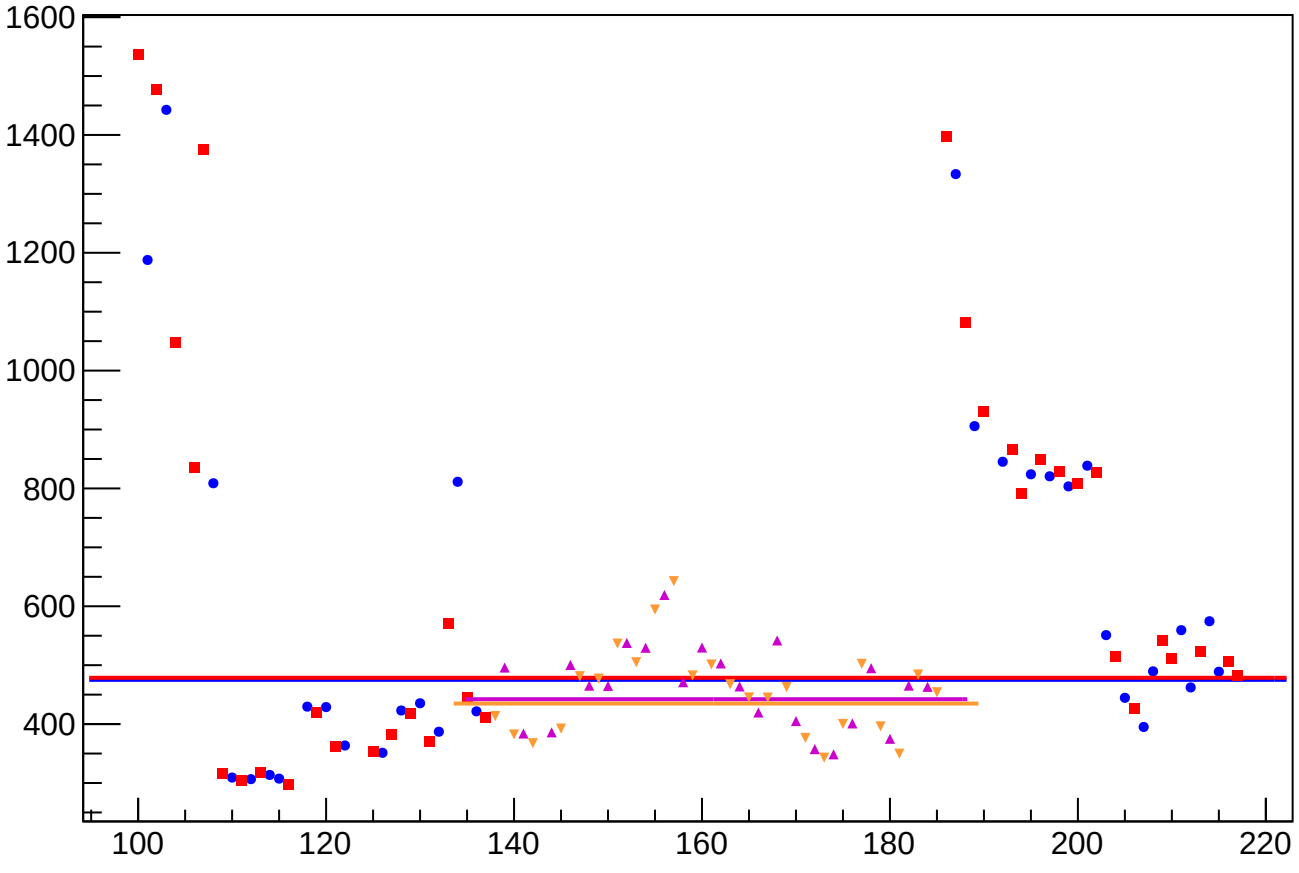
+ sign 1095.817+/-0.127 χ^2/NDF: 717229.4/54

All: 1099.090+/-0.089 χ^2/NDF: 1045780.4/11

- sign 1102.337+/-0.126 χ^2/NDF: 327218.6/56


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -381.004+/-115.640 χ²/NDF: 45.2/30
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: -766.532+/-115.798 χ²/NDF: 151.0/33
Left In: 0.547+/-104.733 χ²/NDF:31.9/22
+ sign -356.789+/-76.748 χ²/NDF: 94.0/54
All: -350.769+/-54.594 χ²/NDF: 301.1/111
- sign -344.603+/-77.675 χ²/NDF: 207.0/56

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 475.120+/-0.082 χ^2/NDF: 4377941.0/30

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.603+/-0.082 χ^2/NDF: 5432682.1/33

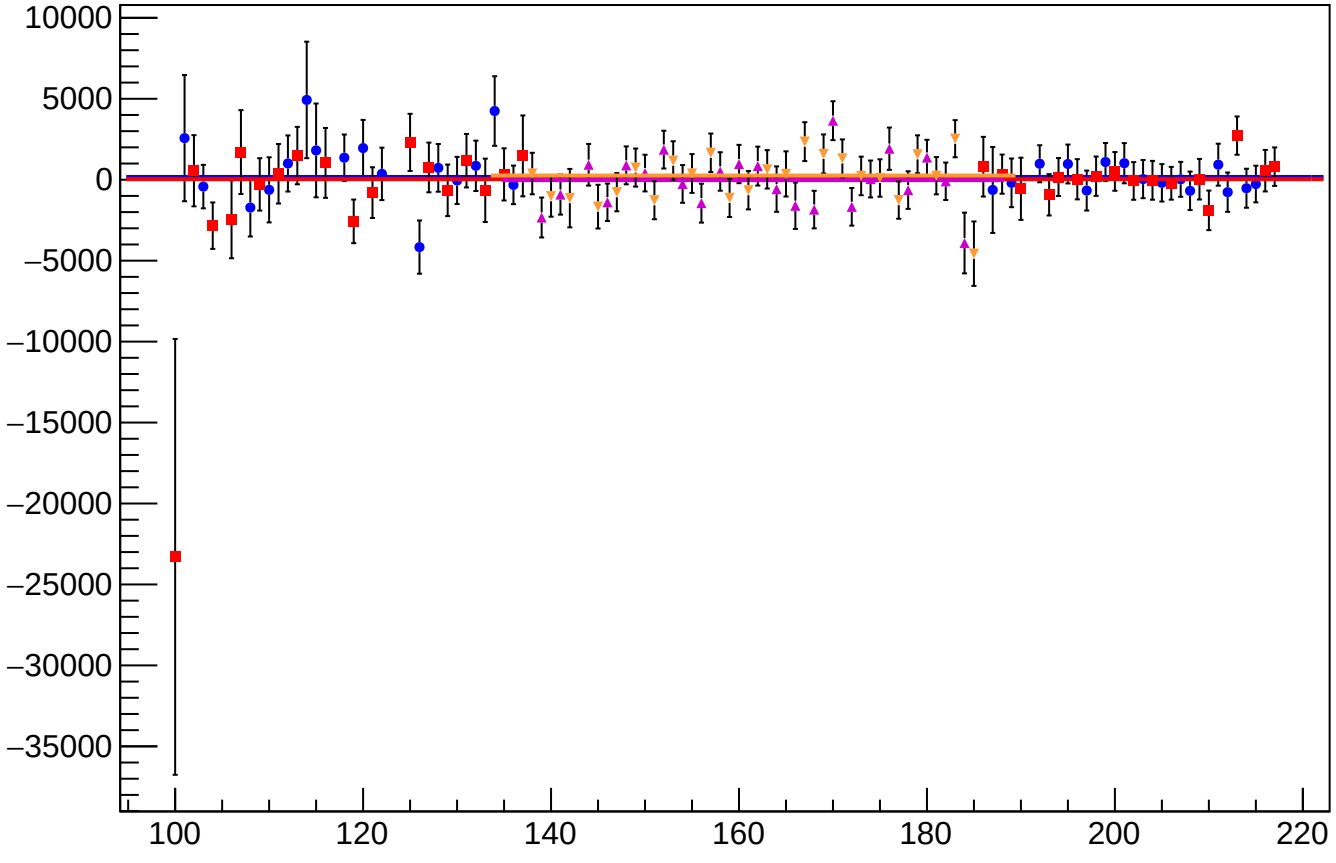
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 452.592+/-0.054 χ^2/NDF: 5392009.4/54

All: 455.552+/-0.039 χ^2/NDF: 11765354.6/11

- sign 458.584+/-0.055 χ^2/NDF: 6367323.0/56

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 168.576+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 33.830+/-251.051 χ^2/NDF: 26.0/33

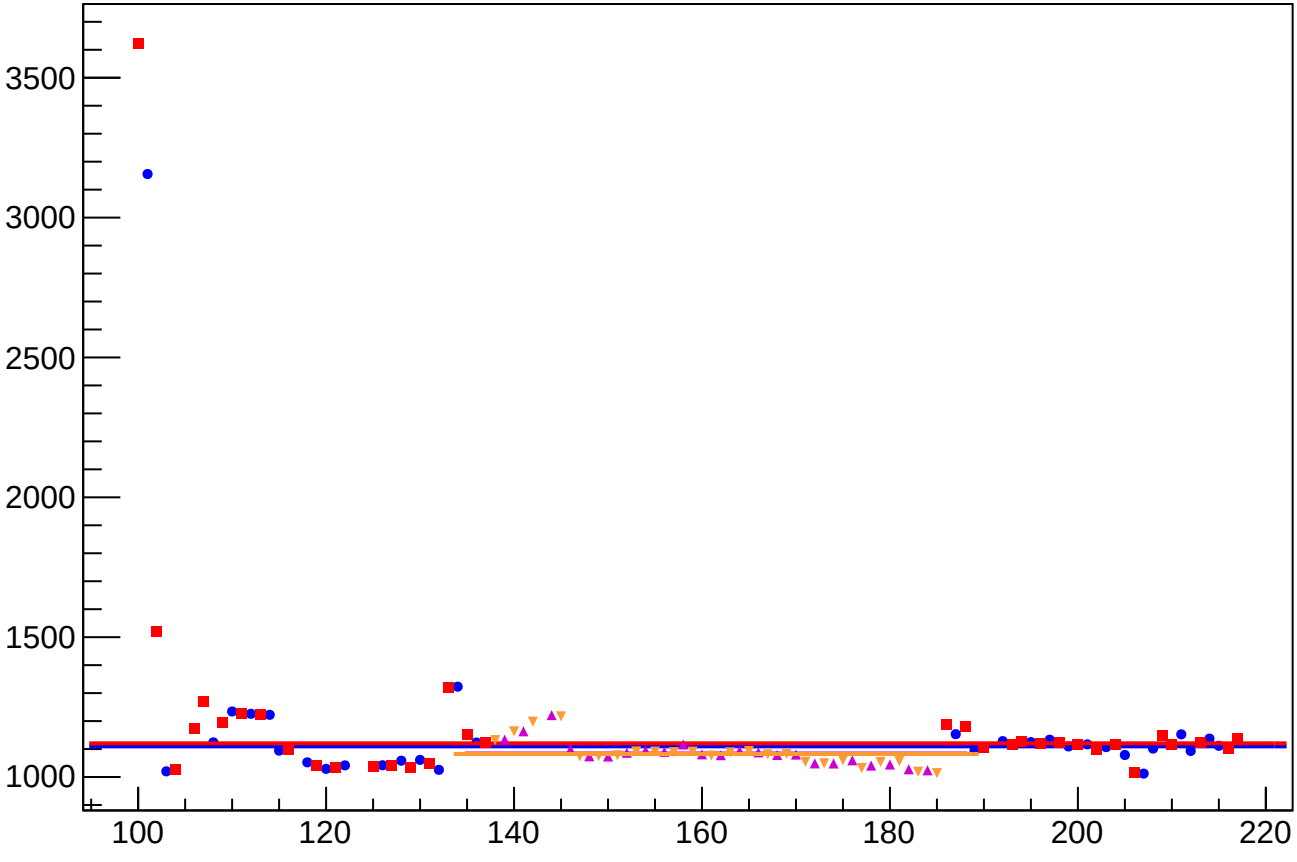
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 215.245+/-178.993 χ^2/NDF: 50.0/54

All: 110.223+/-126.329 χ^2/NDF: 112.5/111

- sign 5.988+/-178.321 χ^2/NDF: 61.8/56

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

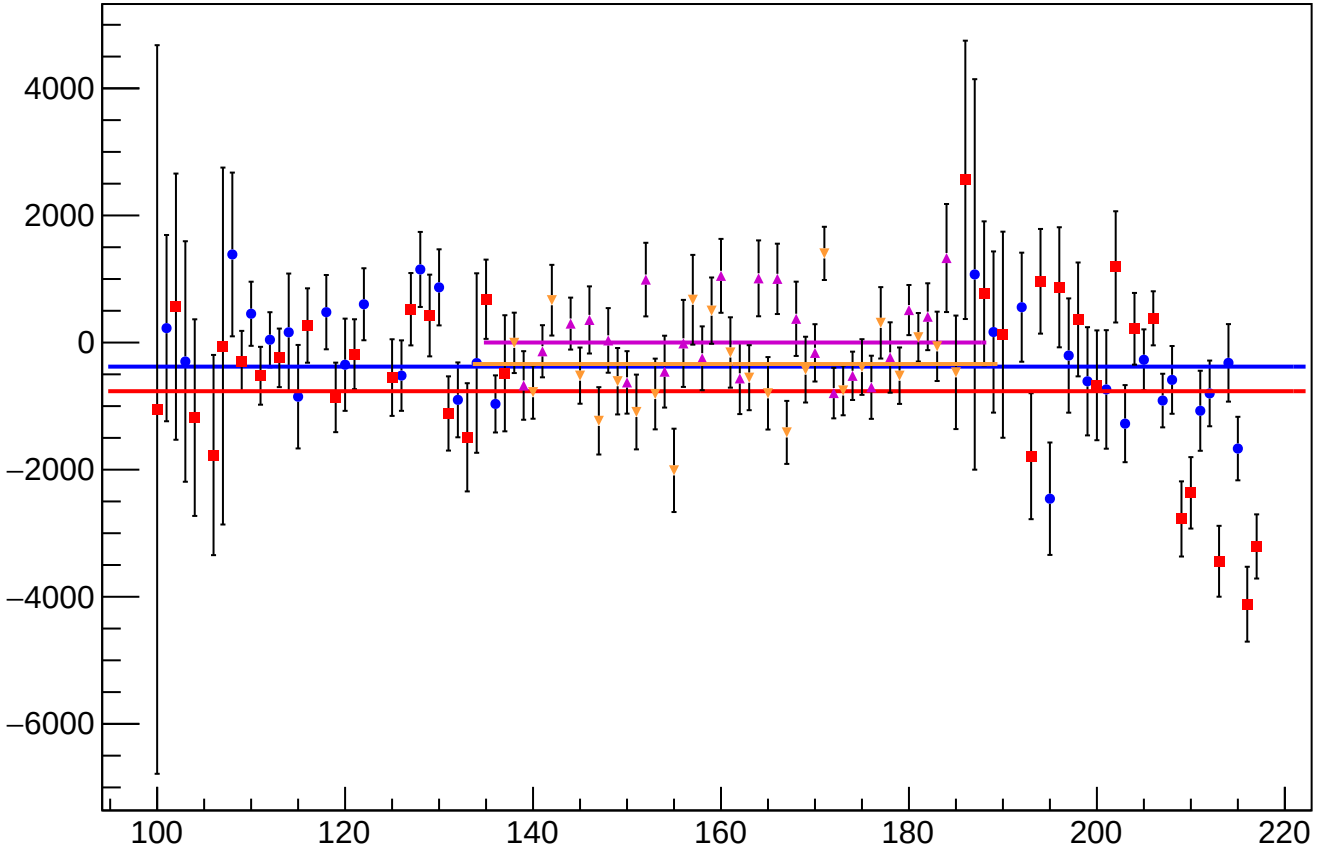
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.817+/-0.127 χ^2/NDF: 717230.3/54

All: 1099.167+/-0.089 χ^2/NDF: 1046963.4/11

- sign 1102.492+/-0.126 χ^2/NDF: 328337.2/56

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug



Right In: -378.705+/-115.640 χ^2/NDF: 45.1/30

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

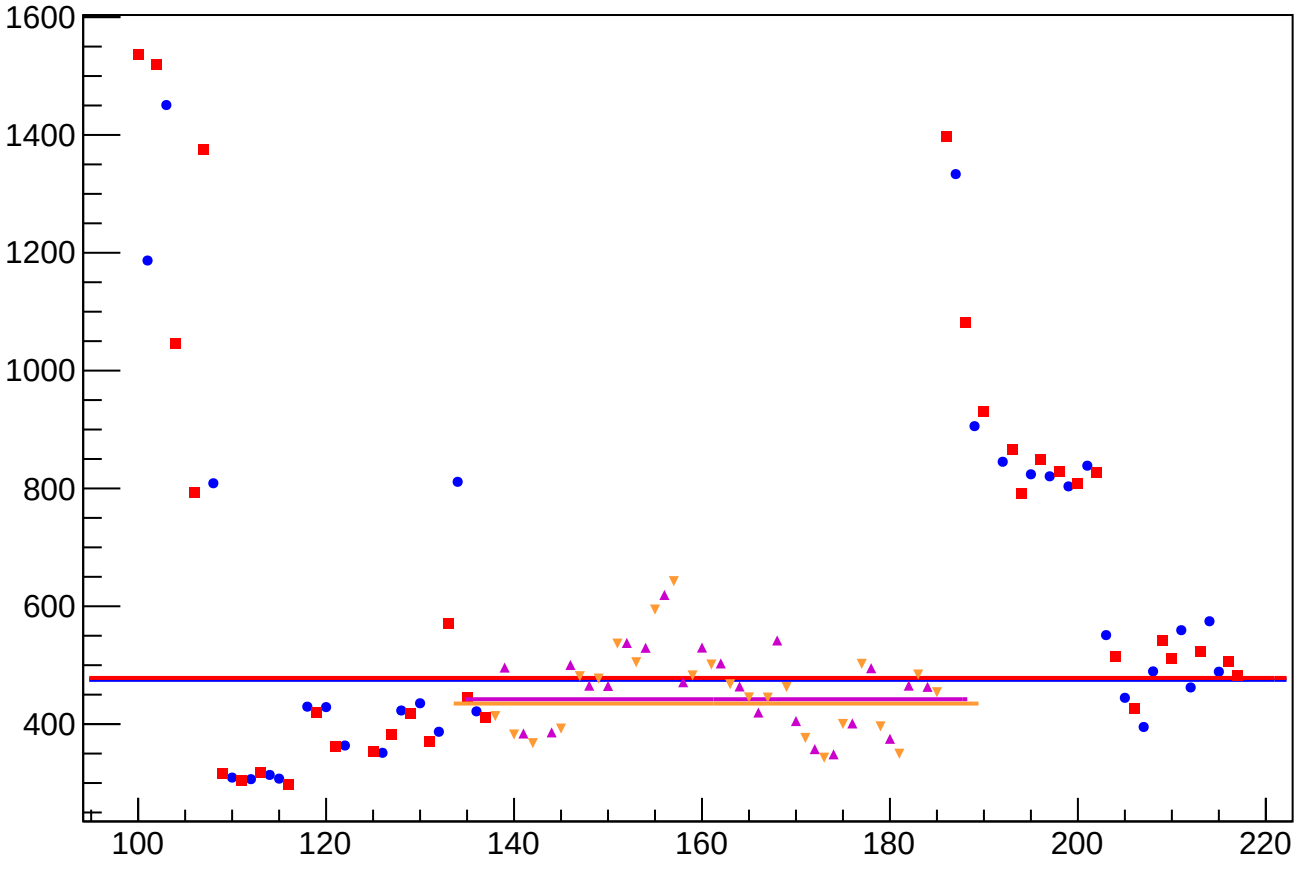
Right Out: -765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -355.826+/-76.748 χ^2/NDF: 93.9/54

All: -349.995+/-54.595 χ^2/NDF: 301.2/111

- sign -344.021+/-77.678 χ^2/NDF: 207.2/56



Right In: 475.115+/-0.082 χ^2/NDF: 4381740.3/30

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

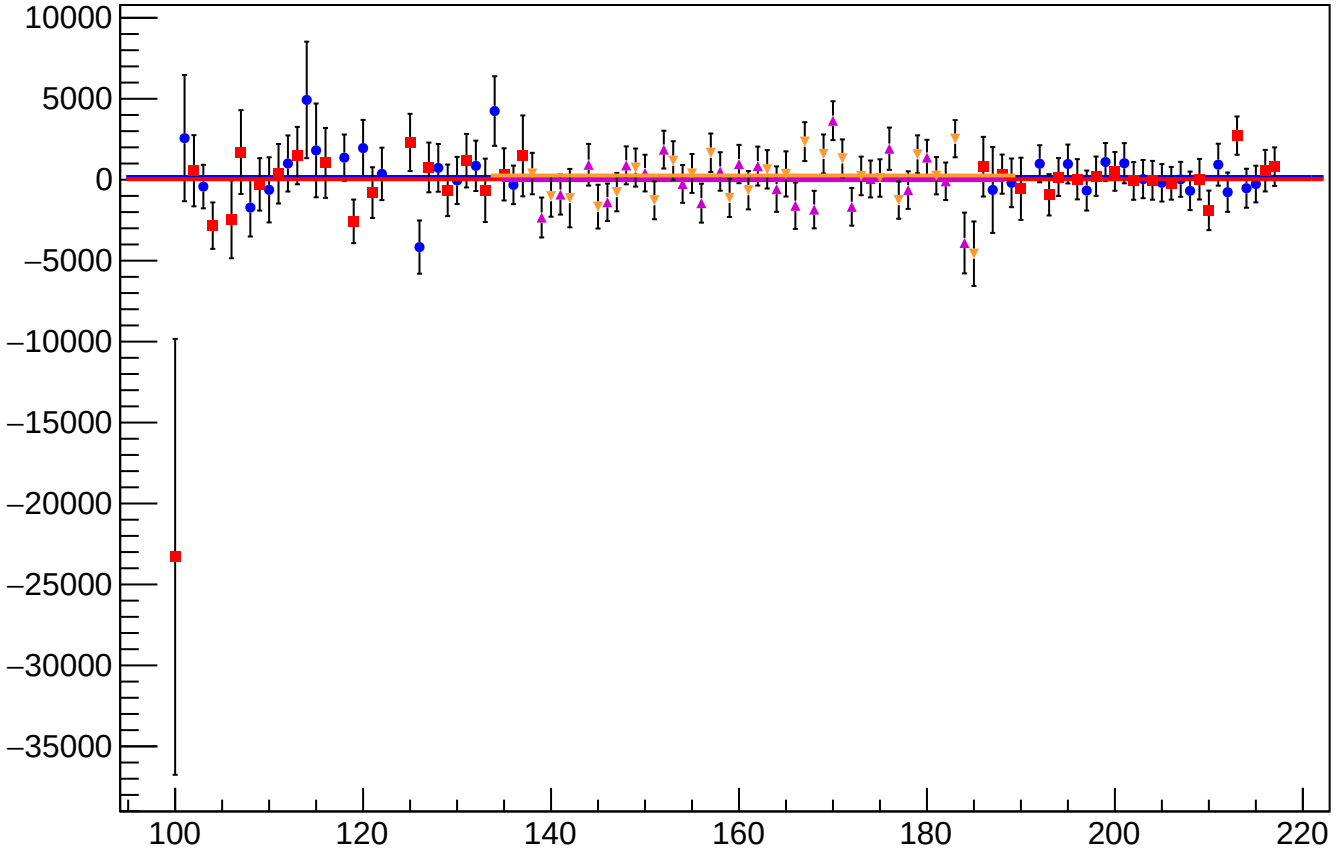
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 452.589+/-0.054 χ^2/NDF: 5395882.4/54

All: 455.497+/-0.039 χ^2/NDF: 11762363.9/11

- sign 458.476+/-0.055 χ^2/NDF: 6360668.3/56

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 168.576+/-254.903 χ^2/NDF: 21.7/30

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 33.830+/-251.051 χ^2/NDF: 26.0/33

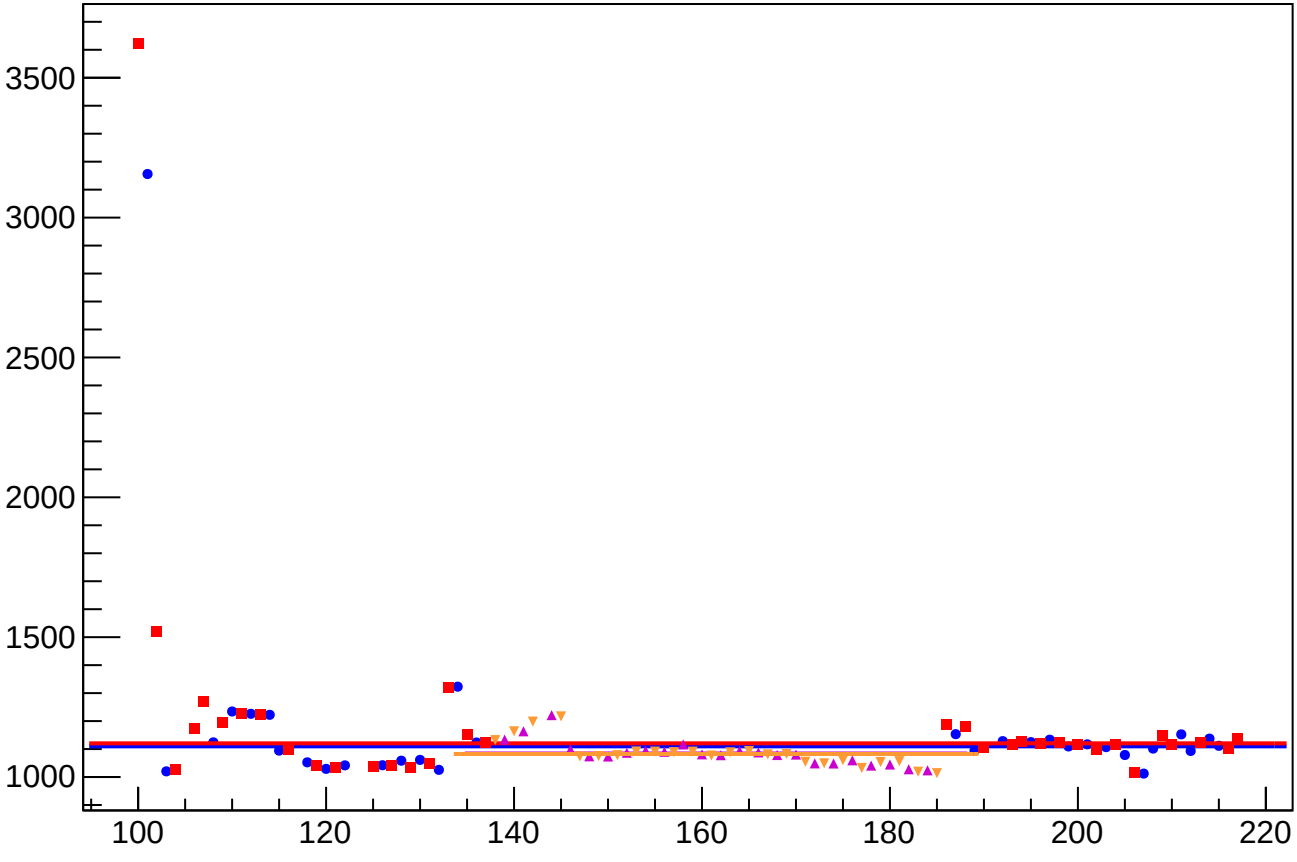
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 215.245+/-178.993 χ^2/NDF: 50.0/54

All: 110.223+/-126.329 χ^2/NDF: 112.5/111

- sign 5.988+/-178.321 χ^2/NDF: 61.8/56

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.705+/-0.180 χ^2/NDF: 647645.5/30

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

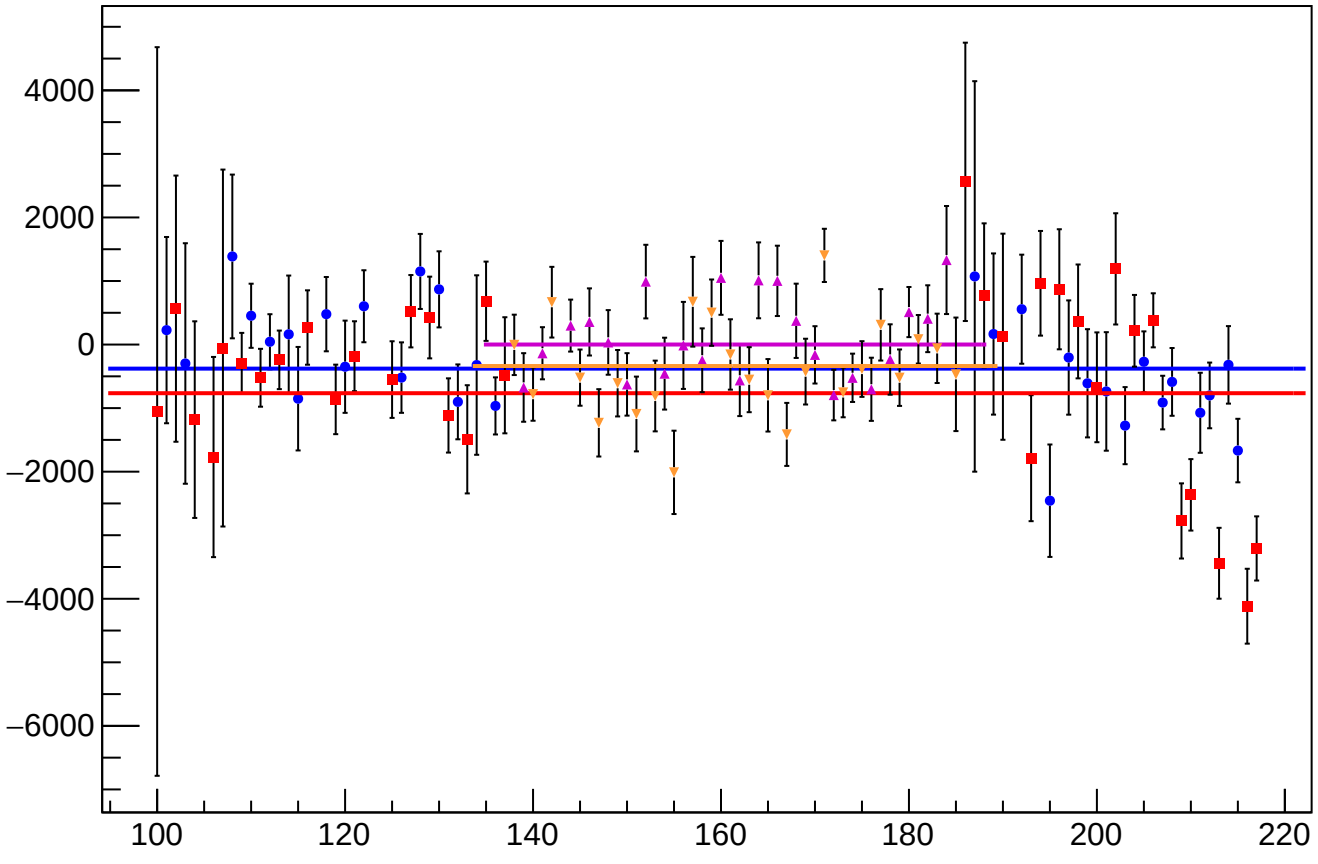
Right Out: 1120.488+/-0.178 χ^2/NDF: 254155.0/33

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.817+/-0.127 χ^2/NDF: 717230.3/54

All: 1099.167+/-0.089 χ^2/NDF: 1046963.4/11

- sign 1102.492+/-0.126 χ^2/NDF: 328337.2/56



Right In: -378.705+/-115.640 χ^2/NDF: 45.1/30

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

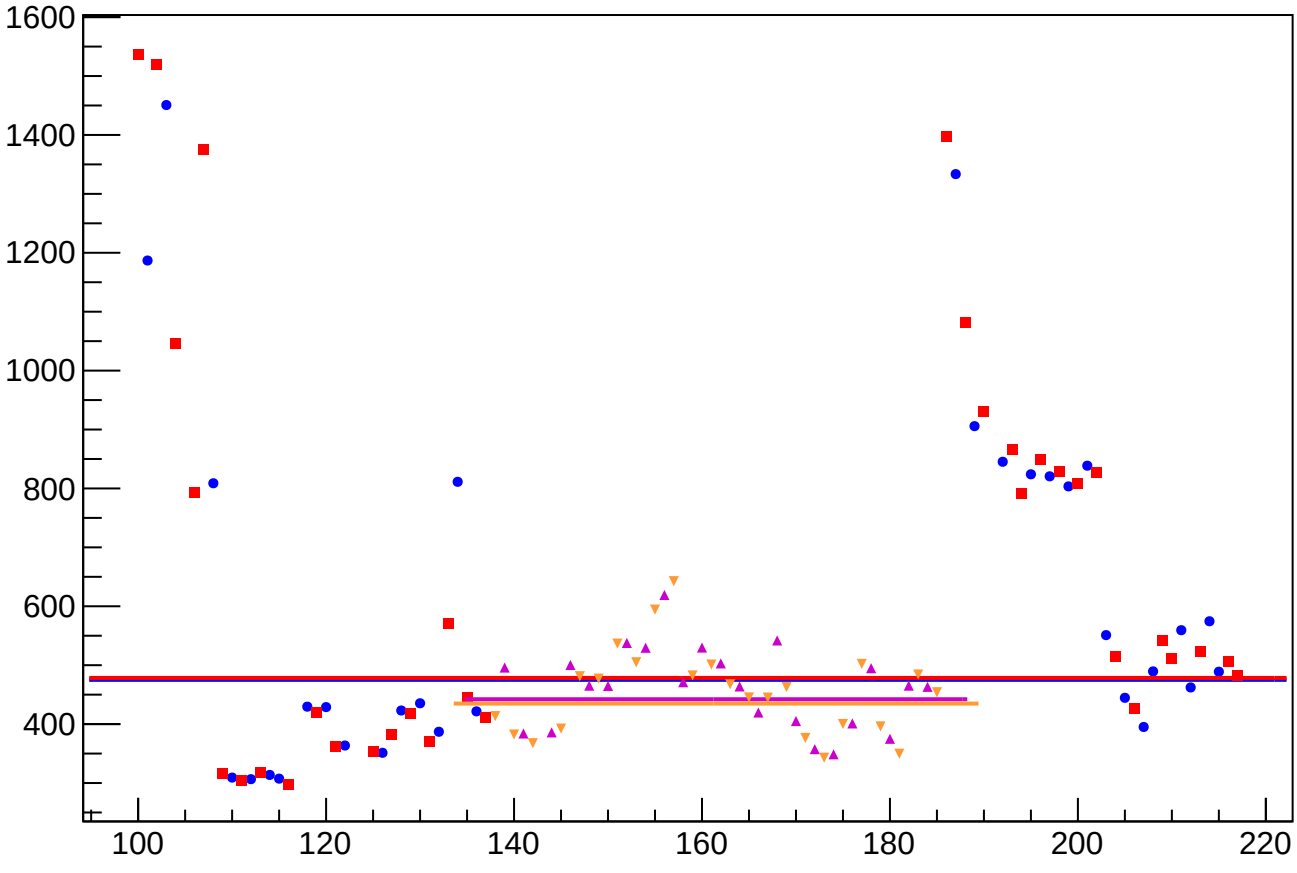
Right Out: -765.334+/-115.807 χ^2/NDF: 151.3/33

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -355.826+/-76.748 χ^2/NDF: 93.9/54

All: -349.995+/-54.595 χ^2/NDF: 301.2/111

- sign -344.021+/-77.678 χ^2/NDF: 207.2/56



Right In: 475.115+/-0.082 χ^2/NDF: 4381740.3/30

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.364+/-0.082 χ^2/NDF: 5427596.2/33

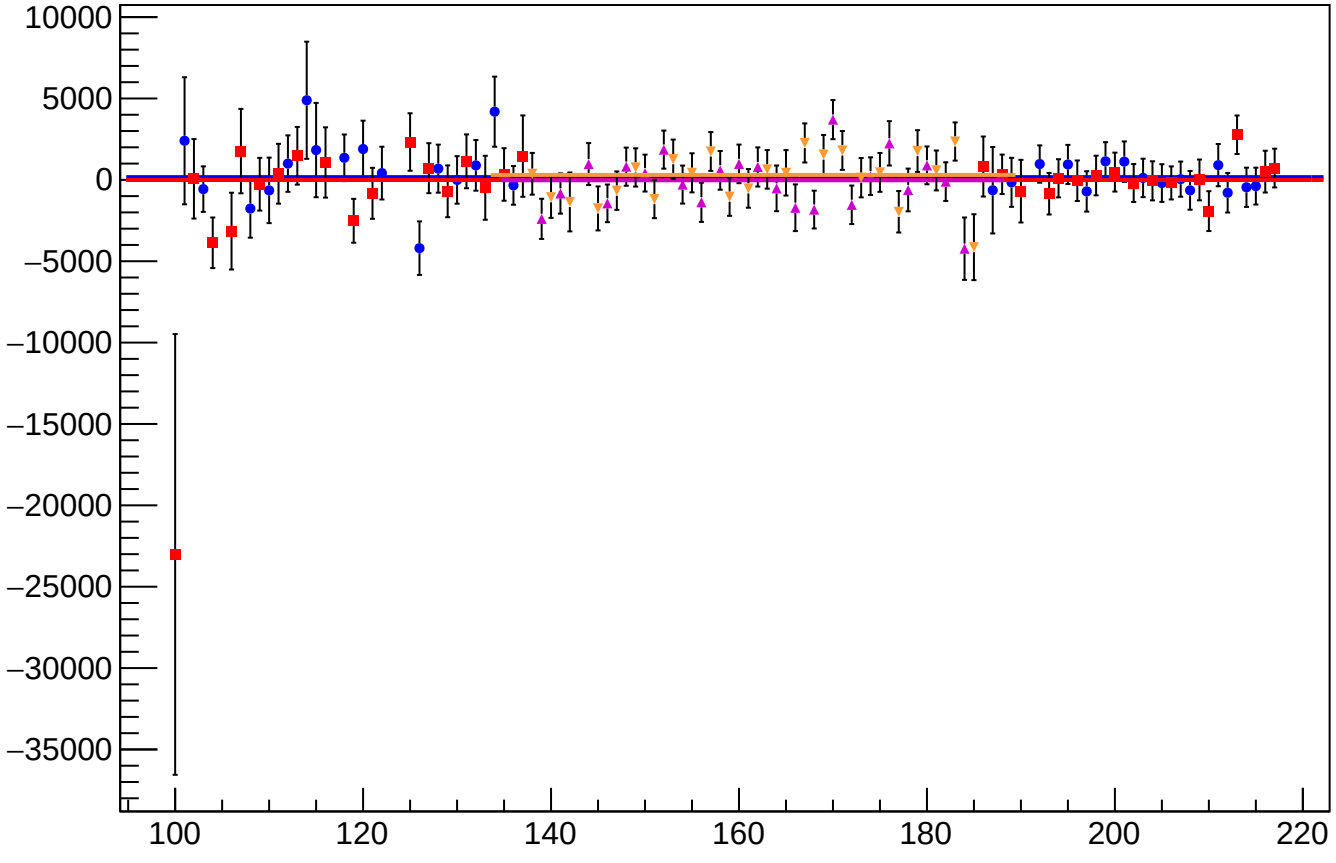
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 452.589+/-0.054 χ^2/NDF: 5395882.4/54

All: 455.497+/-0.039 χ^2/NDF: 11762363.9/11

- sign 458.476+/-0.055 χ^2/NDF: 6360668.3/56

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 166.662+/-255.533 χ^2/NDF: 21.8/30

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -9.827+/-252.161 χ^2/NDF: 28.8/33

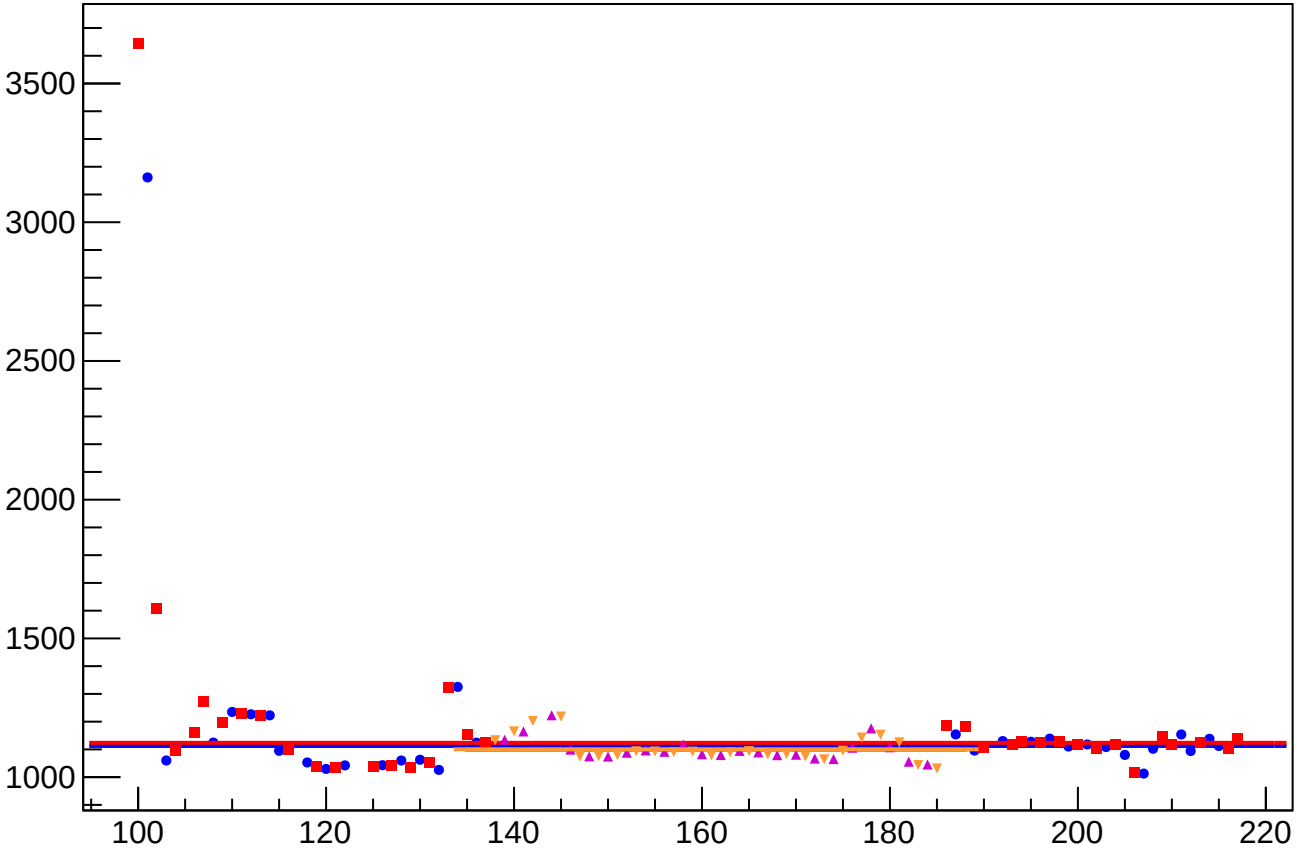
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 235.027+/-180.697 χ^2/NDF: 50.5/54

All: 108.272+/-127.506 χ^2/NDF: 116.1/111

- sign -17.430+/-179.945 χ^2/NDF: 64.6/56

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

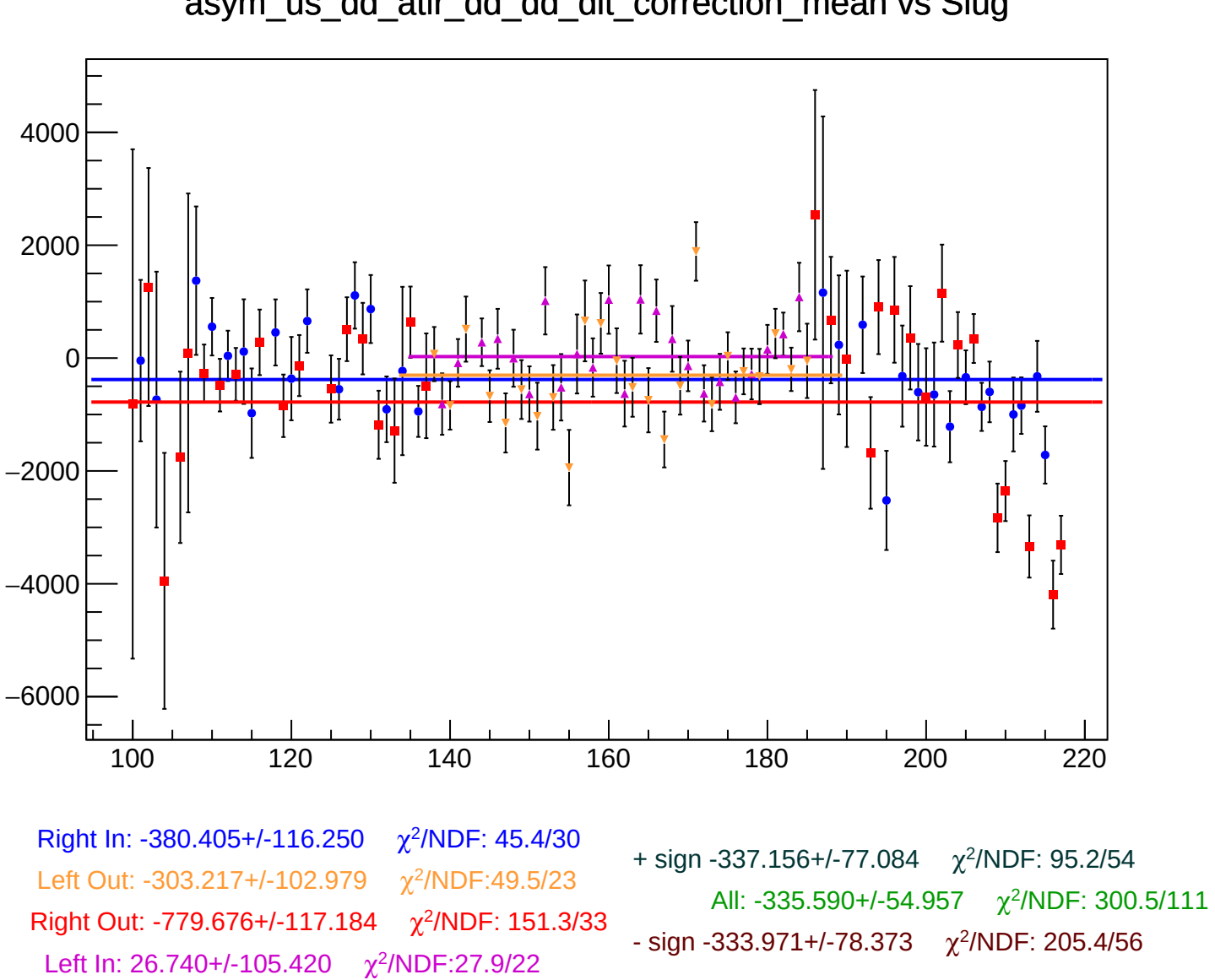
Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.8/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

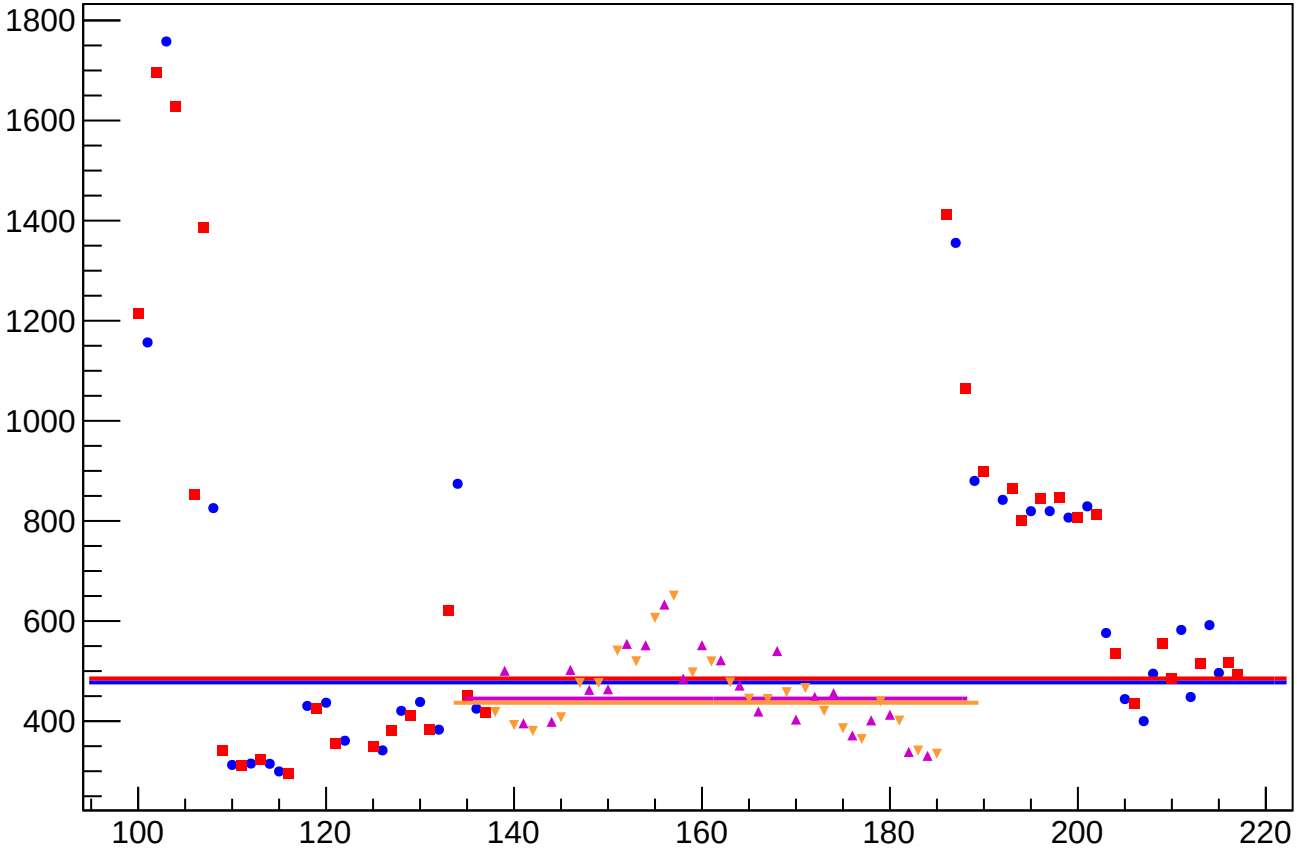
+ sign 1106.364+/-0.128 χ^2/NDF: 693530.3/54

All: 1109.058+/-0.090 χ^2/NDF: 1008224.0/11

- sign 1111.729+/-0.127 χ^2/NDF: 313808.3/56


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
220
Right In: -380.405+/-116.250 χ²/NDF: 45.4/30
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: -779.676+/-117.184 χ²/NDF: 151.3/33
Left In: 26.740+/-105.420 χ²/NDF:27.9/22
+ sign -337.156+/-77.084 χ²/NDF: 95.2/54
All: -335.590+/-54.957 χ²/NDF: 300.5/111
- sign -333.971+/-78.373 χ²/NDF: 205.4/56

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 477.424+/-0.082 χ^2/NDF: 4517233.9/30

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 485.306+/-0.083 χ^2/NDF: 5740939.8/33

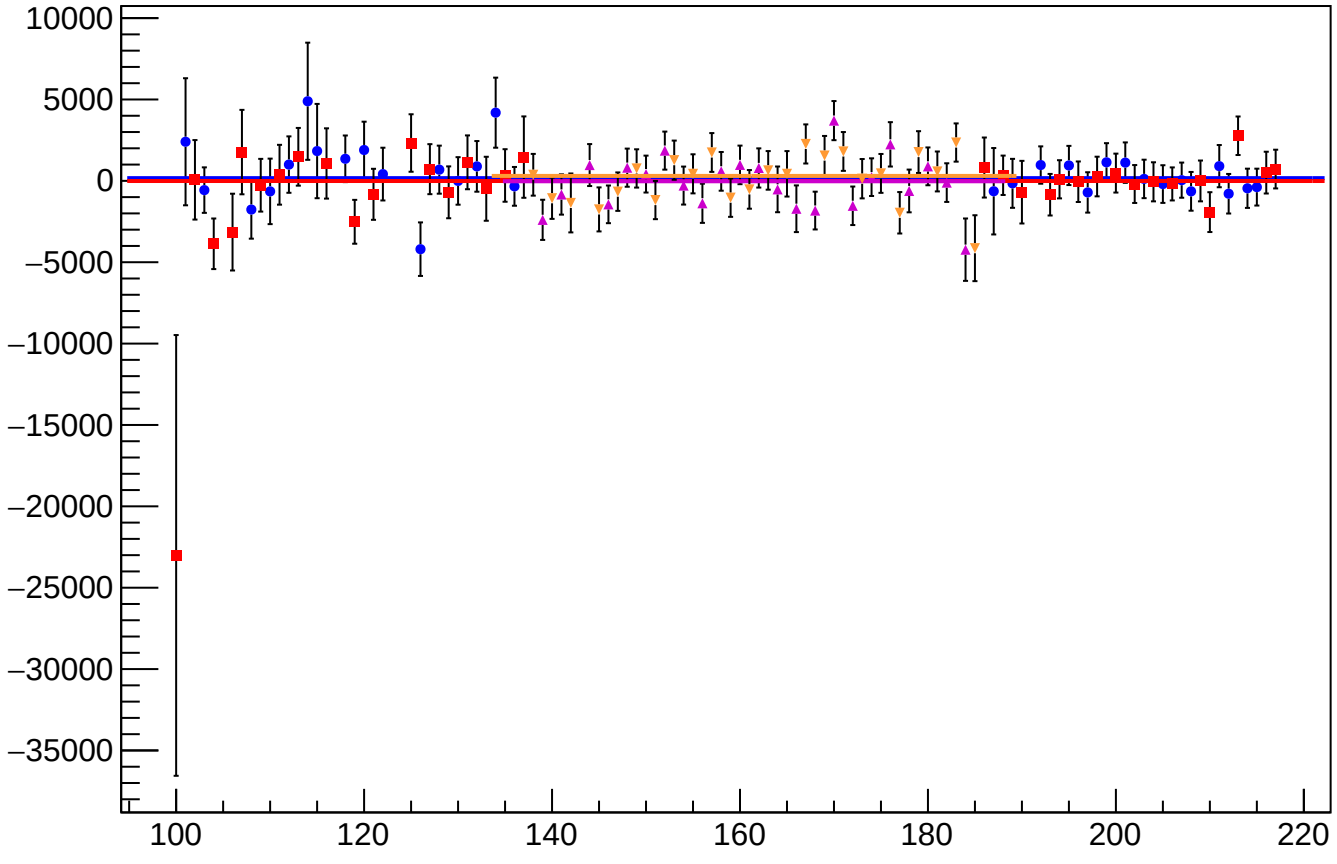
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 454.654+/-0.055 χ^2/NDF: 5509374.0/54

All: 458.802+/-0.039 χ^2/NDF: 12266691.8/11

- sign 463.089+/-0.055 χ^2/NDF: 6745543.5/56

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 166.660+/-255.533 χ^2/NDF: 21.8/30

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -9.827+/-252.161 χ^2/NDF: 28.8/33

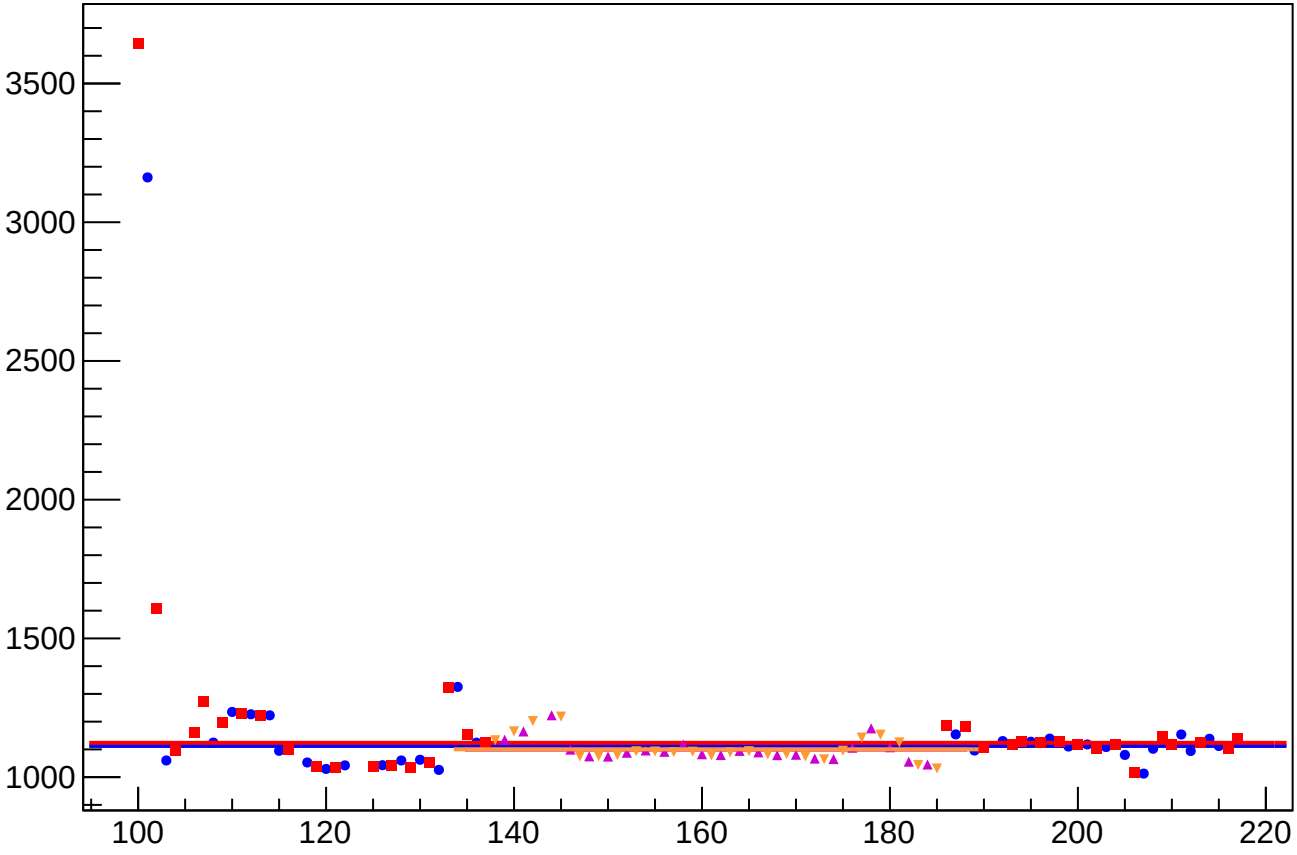
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 235.025+/-180.697 χ^2/NDF: 50.5/54

All: 108.271+/-127.506 χ^2/NDF: 116.1/111

- sign -17.430+/-179.945 χ^2/NDF: 64.6/56

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.468+/-0.181 χ^2/NDF: 642473.2/30

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

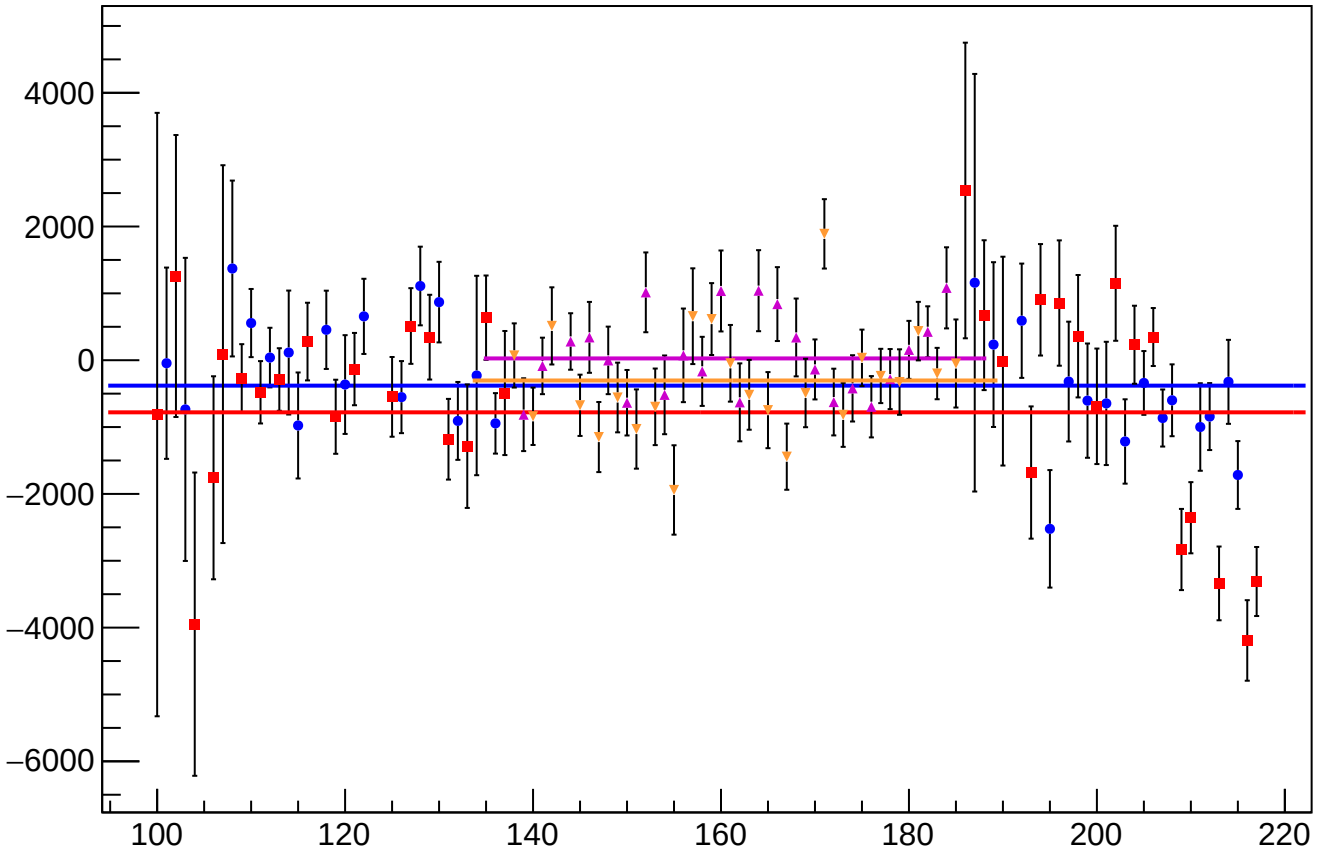
Right Out: 1123.667+/-0.178 χ^2/NDF: 259888.9/33

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.364+/-0.128 χ^2/NDF: 693530.6/54

All: 1109.058+/-0.090 χ^2/NDF: 1008224.4/11

- sign 1111.729+/-0.127 χ^2/NDF: 313808.5/56



Right In: -380.408+/-116.249 χ^2/NDF: 45.4/30

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

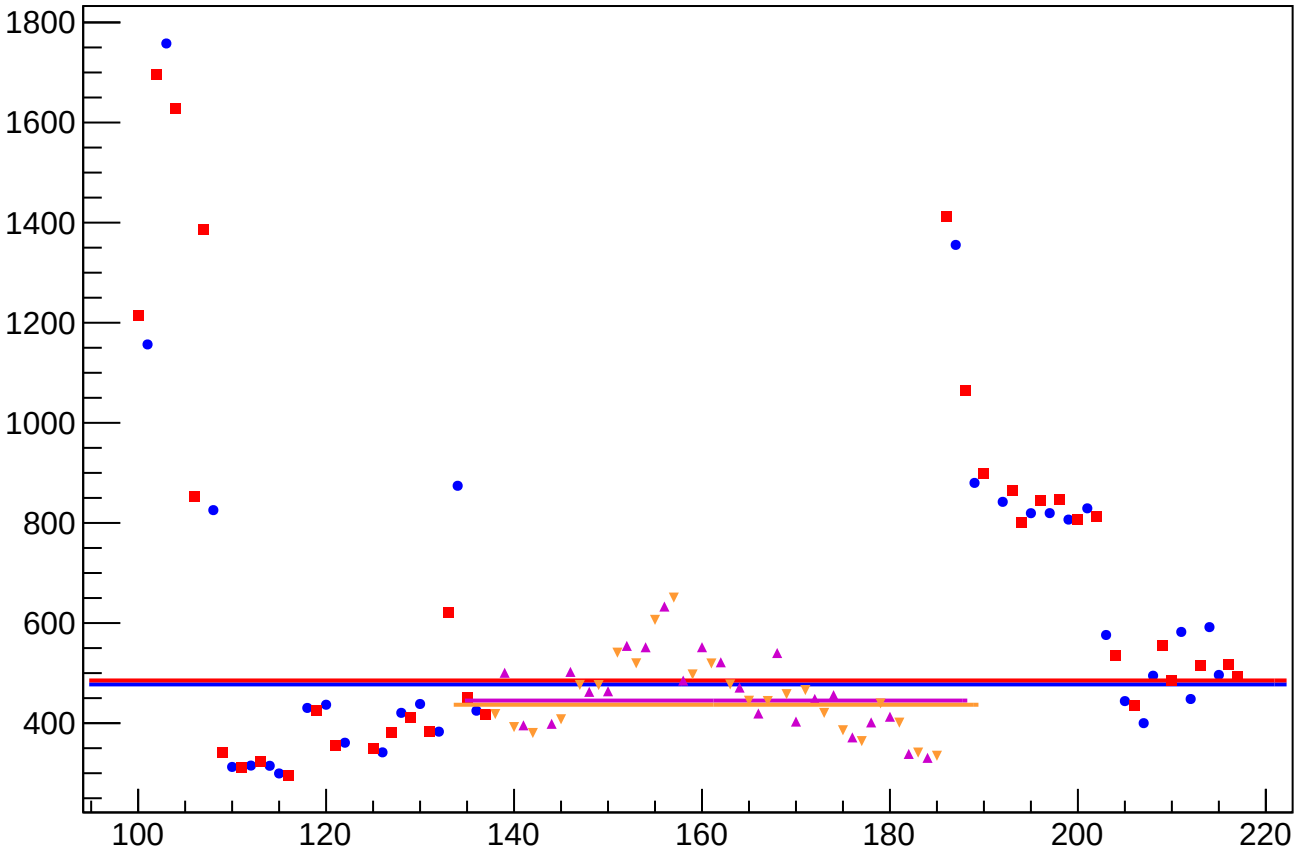
Right Out: -779.664+/-117.184 χ^2/NDF: 151.3/33

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -337.158+/-77.084 χ^2/NDF: 95.2/54

All: -335.589+/-54.957 χ^2/NDF: 300.5/111

- sign -333.967+/-78.373 χ^2/NDF: 205.4/56



Right In: 477.421+/-0.082 χ^2/NDF: 4517267.9/30

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 485.304+/-0.083 χ^2/NDF: 5741010.5/33

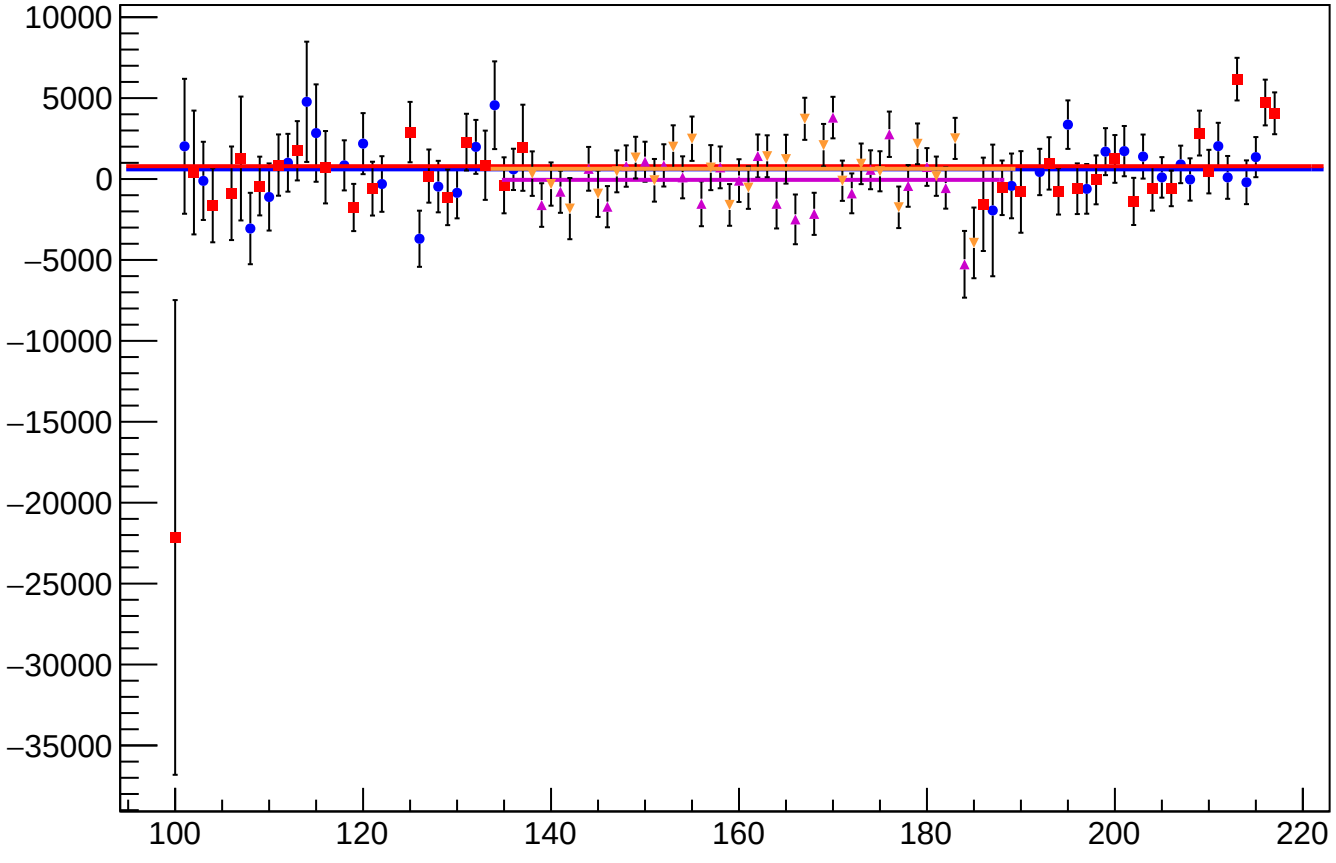
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 454.653+/-0.055 χ^2/NDF: 5509425.4/54

All: 458.801+/-0.039 χ^2/NDF: 12266836.3/11

- sign 463.088+/-0.055 χ^2/NDF: 6745636.6/56

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 597.241+/-291.691 χ^2/NDF: 25.2/30

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 792.801+/-291.342 χ^2/NDF: 54.5/33

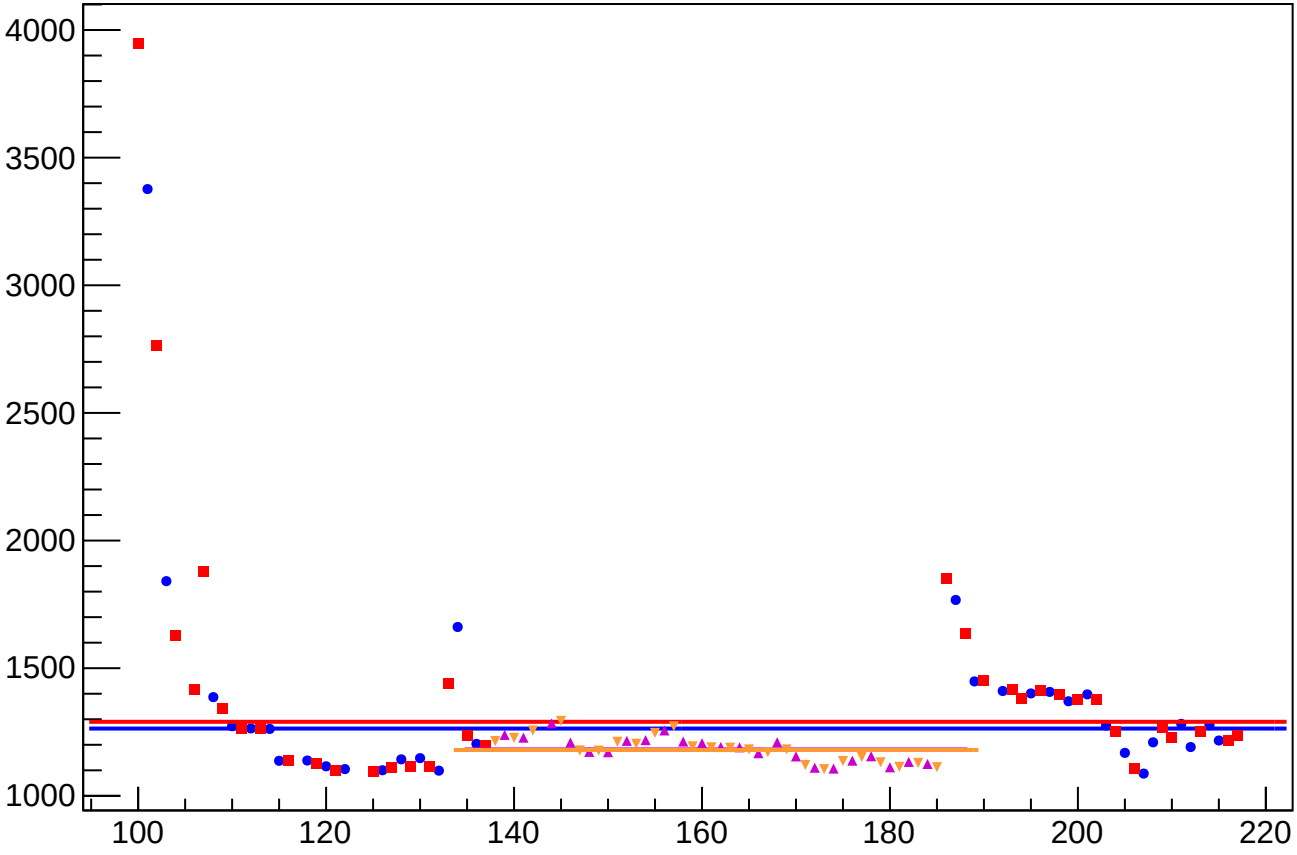
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 616.167+/-199.732 χ^2/NDF: 55.3/54

All: 482.817+/-141.484 χ^2/NDF: 150.1/111

- sign 348.510+/-200.447 χ^2/NDF: 93.9/56

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1263.574+/-0.206 χ^2/NDF: 987284.5/30

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

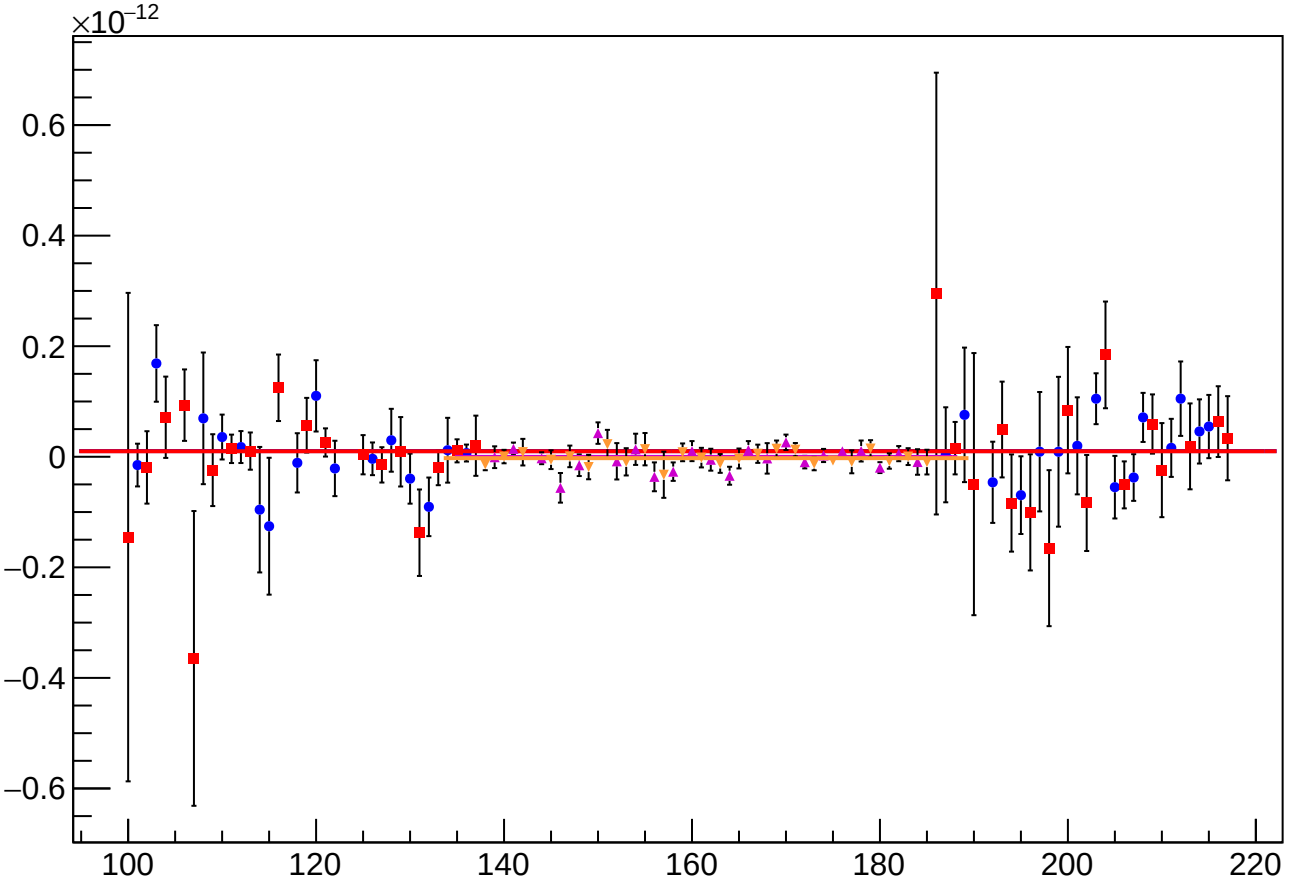
Right Out: 1290.043+/-0.206 χ^2/NDF: 918824.6/33

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

+ sign 1219.032+/-0.141 χ^2/NDF: 1139753.3/54

All: 1226.044+/-0.100 χ^2/NDF: 2268924.3/11

- sign 1233.106+/-0.142 χ^2/NDF: 1124224.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

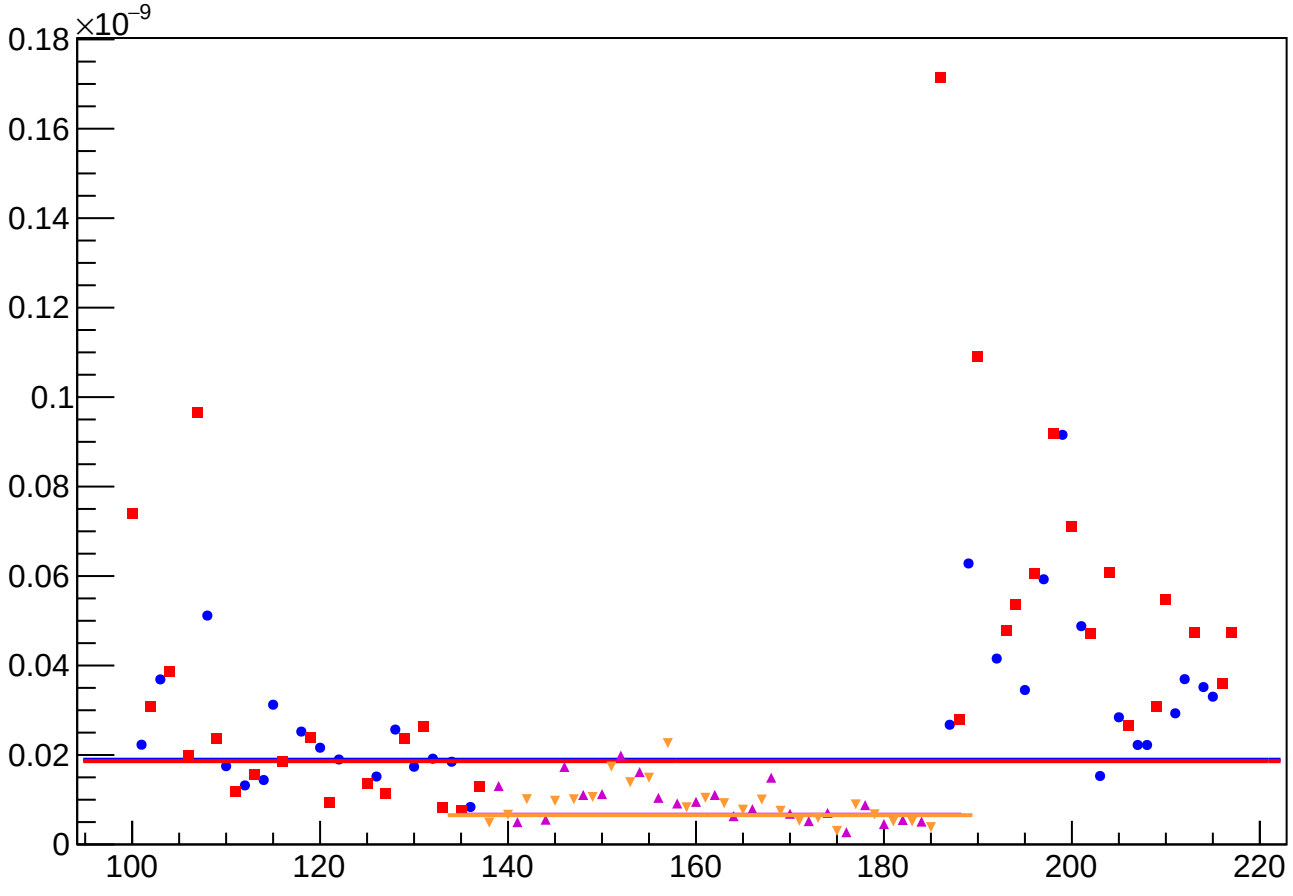
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/33

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/54

All: -0.000+/-0.000 χ^2/NDF: 105.5/111

- sign 0.000+/-0.000 χ^2/NDF: 62.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 3686773.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6196945.7/33

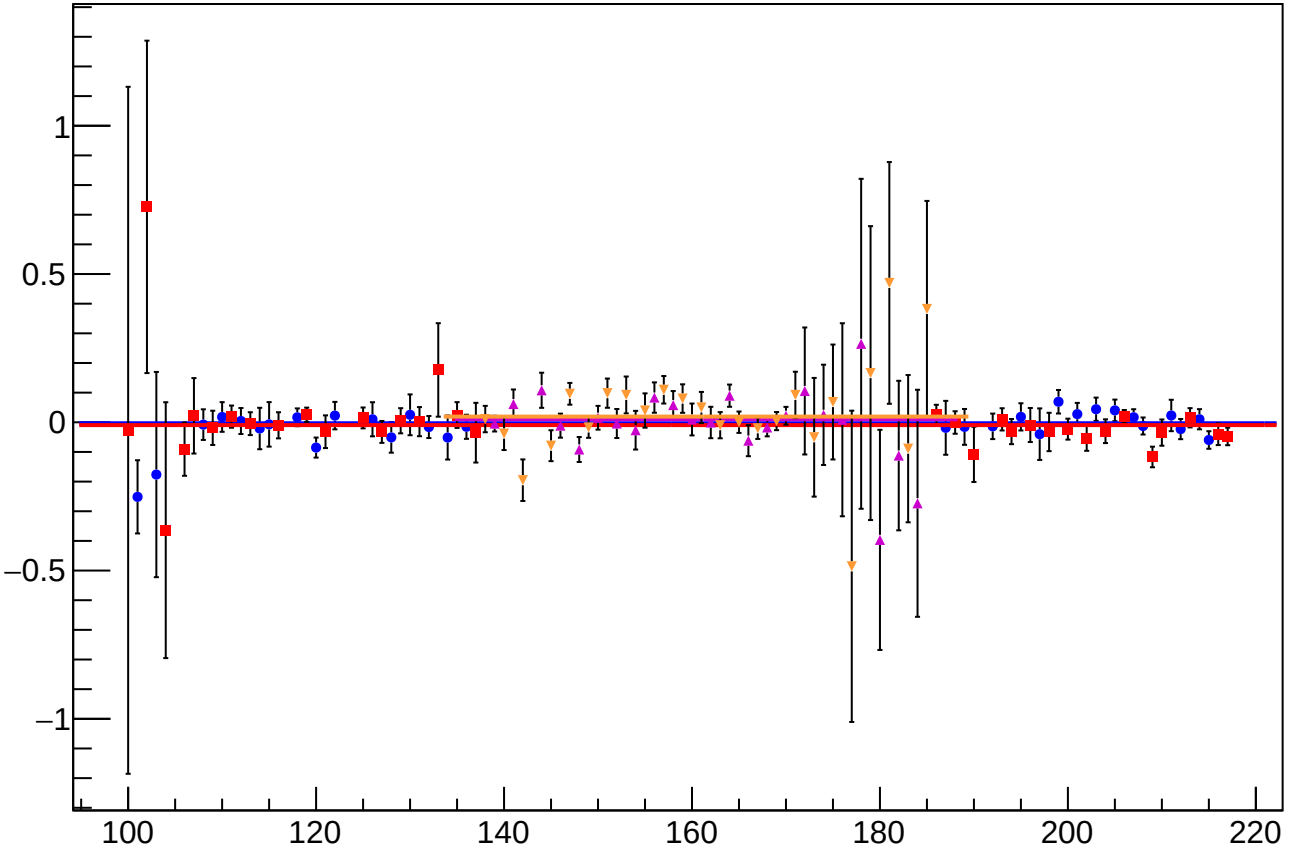
Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9988189.1/54

All: 0.000+/-0.000 χ^2/NDF: 22316623.5/111

- sign 0.000+/-0.000 χ^2/NDF: 12328069.2/56

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

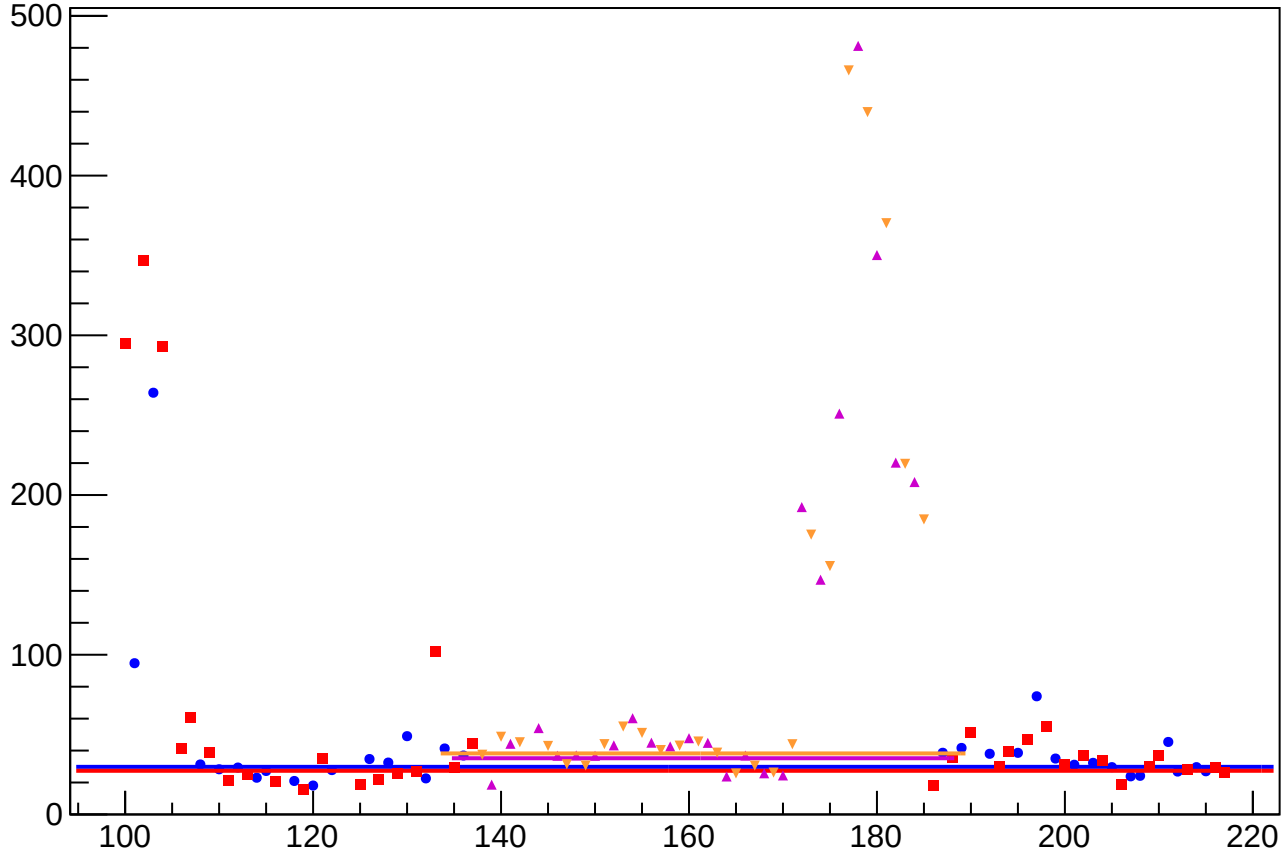
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.006 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 119.5/111

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.808+/-0.005 χ^2/NDF: 3453372.7/30

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

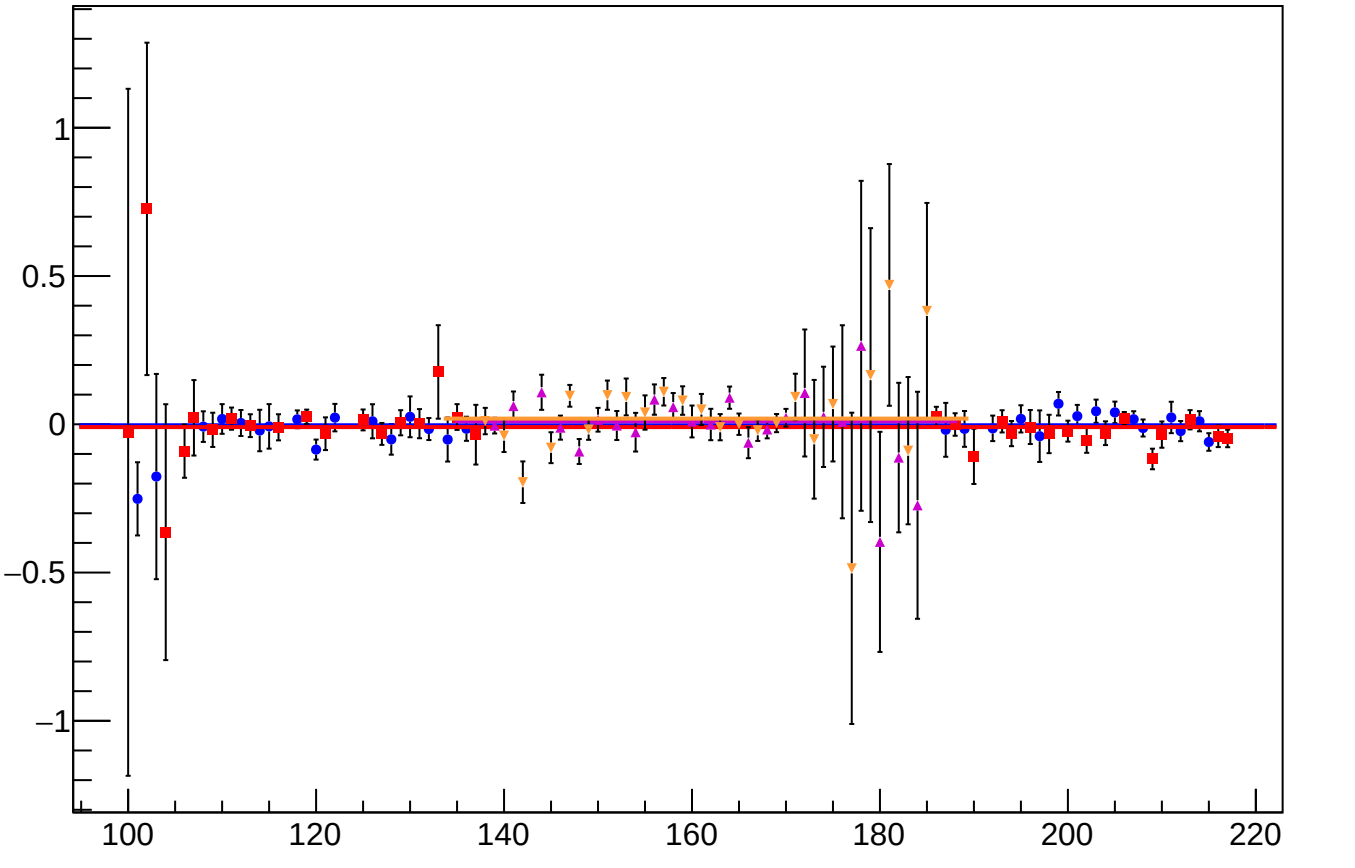
Right Out: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.657+/-0.004 χ^2/NDF: 12537441.7/54

All: 31.190+/-0.003 χ^2/NDF: 27749327.0/111

- sign 29.913+/-0.004 χ^2/NDF: 15008590.7/56



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

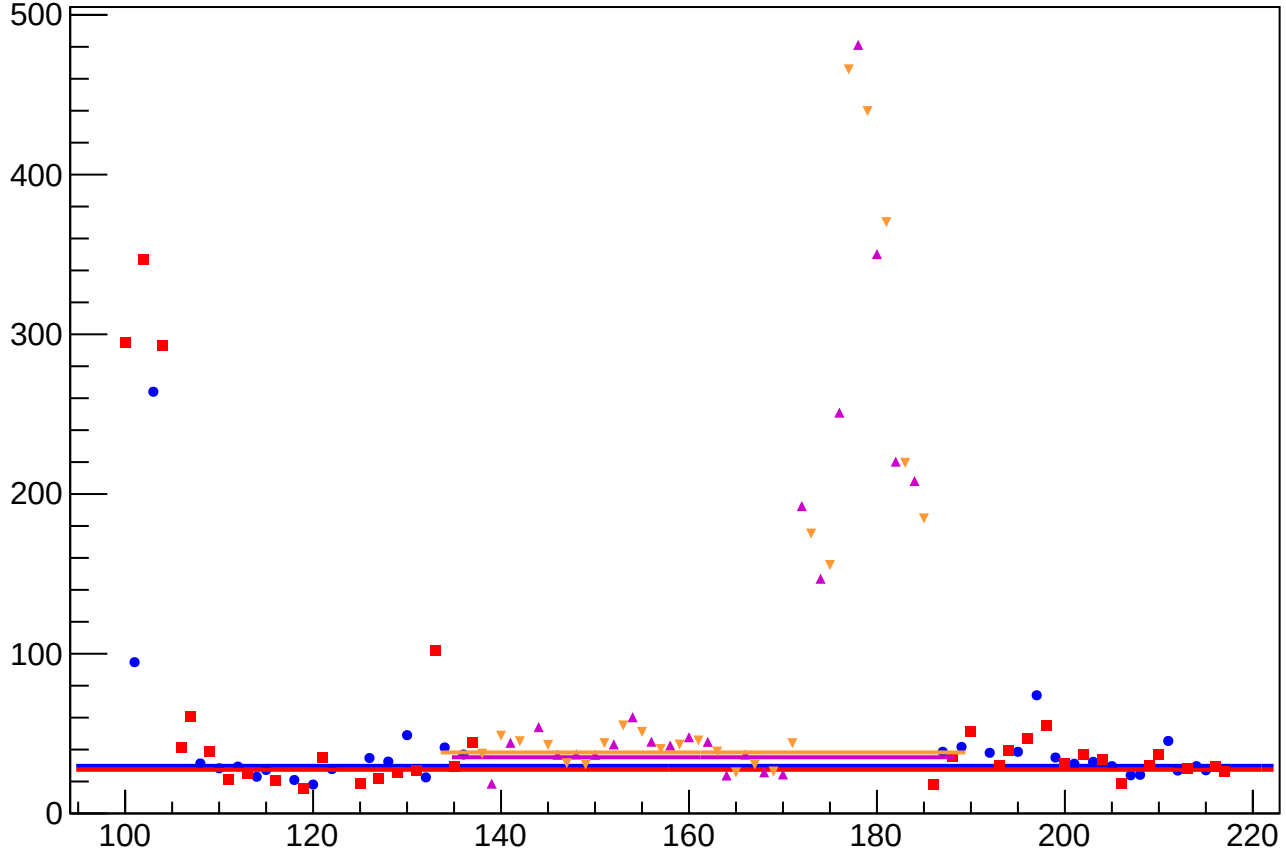
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.006 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 119.5/111

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.808+/-0.005 χ^2/NDF: 3453372.7/30

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

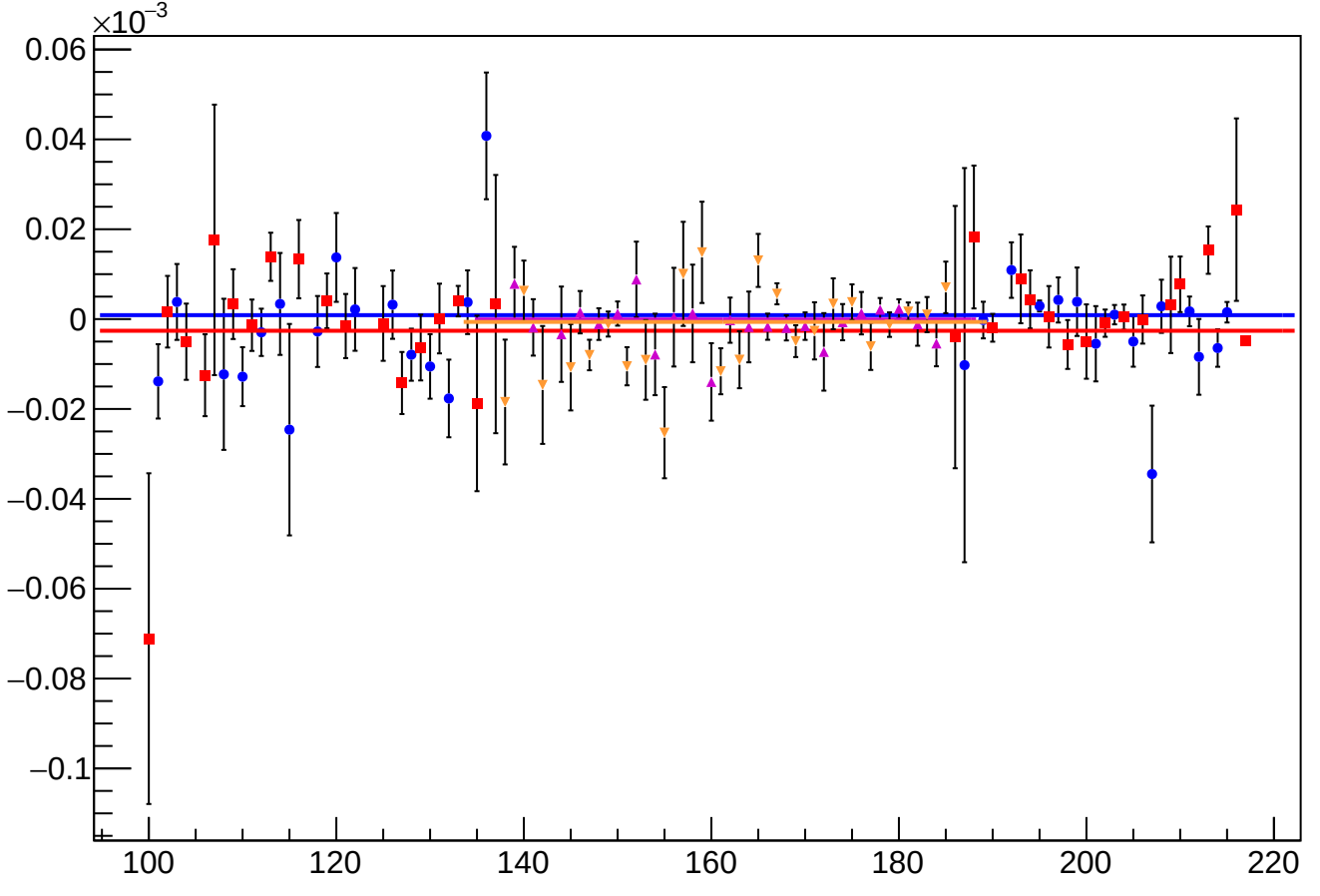
Right Out: 27.343+/-0.005 χ^2/NDF: 4830153.3/33

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.657+/-0.004 χ^2/NDF: 12537441.7/54

All: 31.190+/-0.003 χ^2/NDF: 27749327.0/111

- sign 29.913+/-0.004 χ^2/NDF: 15008590.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 47.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

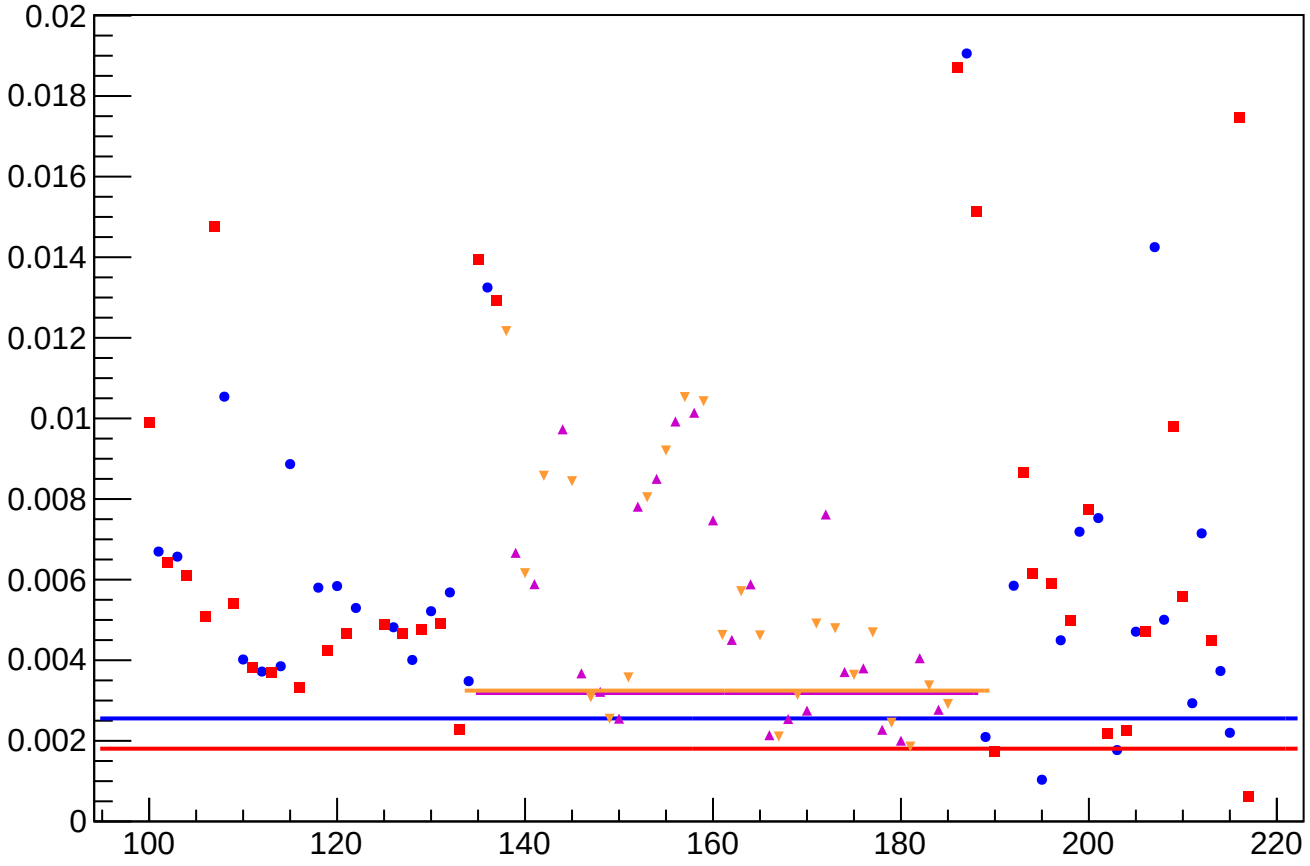
Right Out: -0.000+/-0.000 χ^2/NDF: 58.0/33

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 100.3/54

All: -0.000+/-0.000 χ^2/NDF: 181.1/111

- sign -0.000+/-0.000 χ^2/NDF: 74.5/56



Right In: 0.003+/-0.000 χ^2/NDF: 13168185.1/30

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

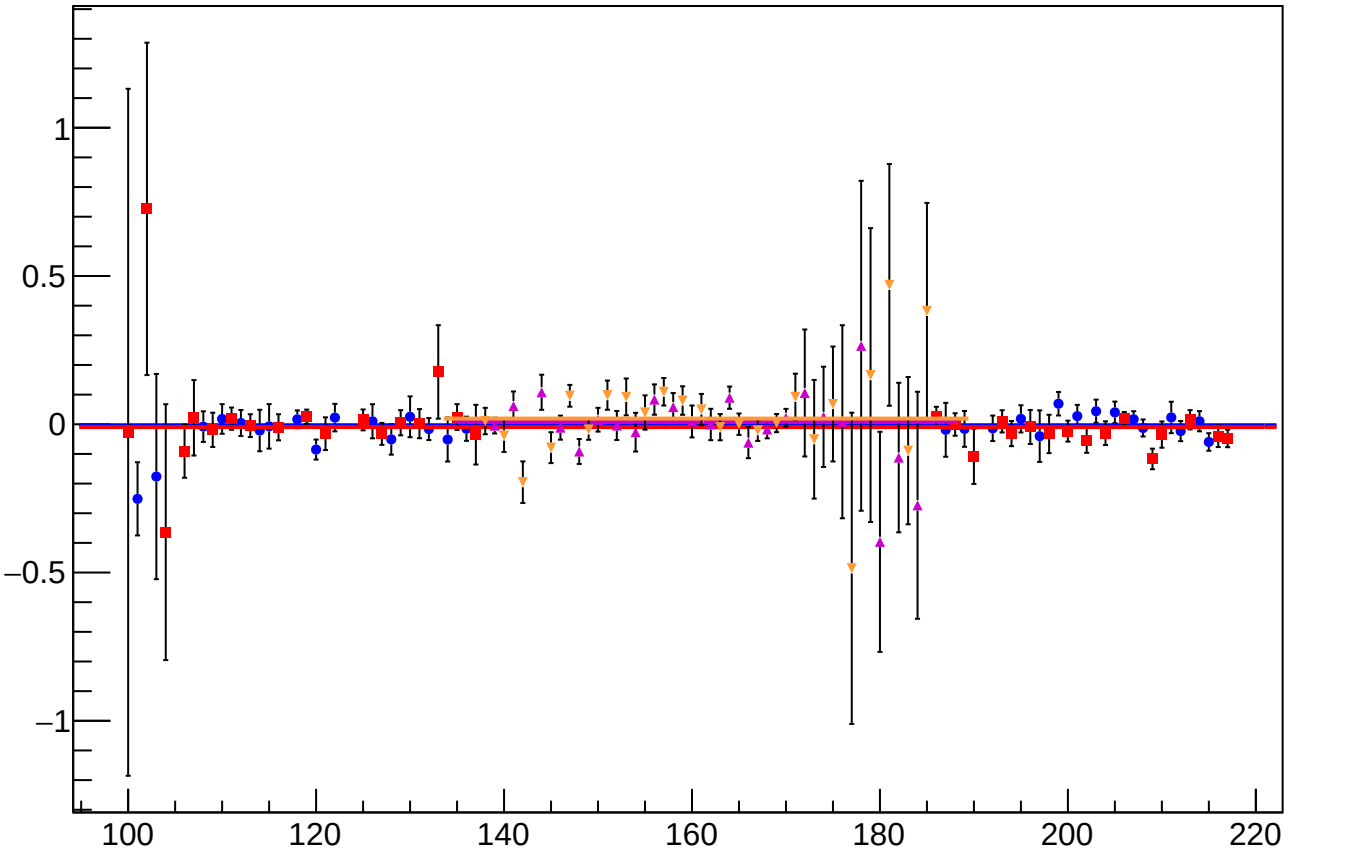
Right Out: 0.002+/-0.000 χ^2/NDF: 20835552.0/33

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 21619251.8/54

All: 0.003+/-0.000 χ^2/NDF: 54169541.7/111

- sign 0.002+/-0.000 χ^2/NDF: 31470786.8/56



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

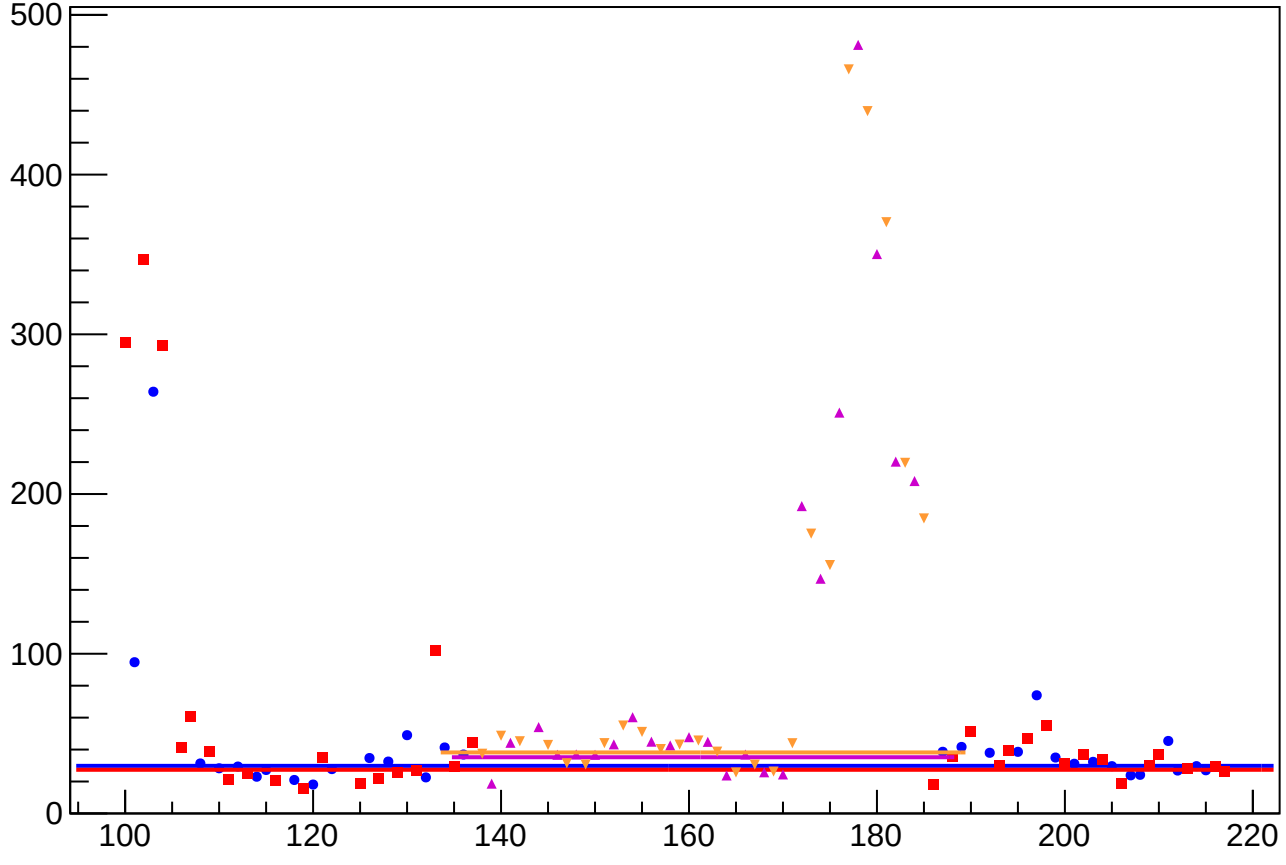
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.006 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 119.5/111

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.807+/-0.005 χ^2/NDF: 3453542.0/30

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

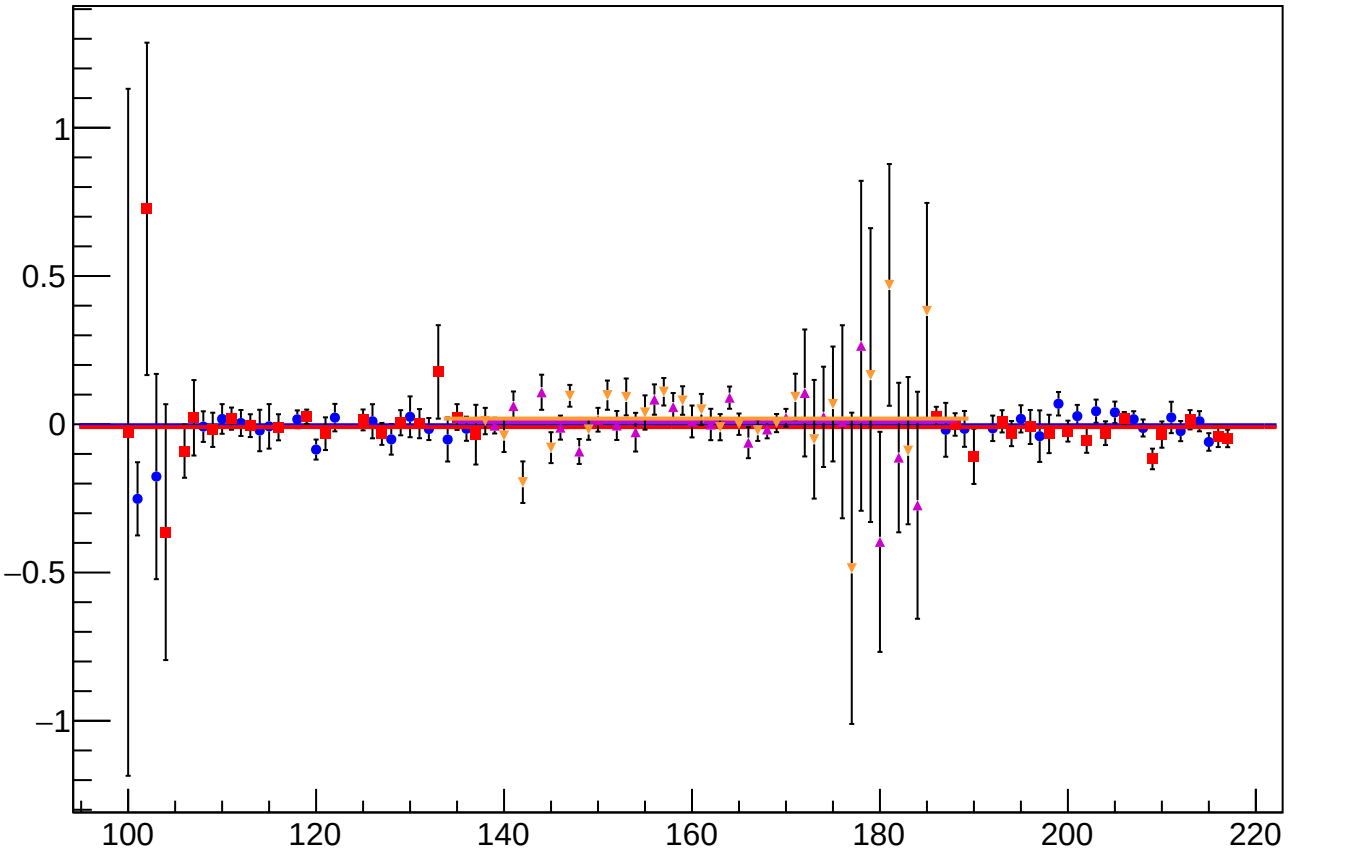
Right Out: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 32.657+/-0.004 χ^2/NDF: 12537849.9/54

All: 31.189+/-0.003 χ^2/NDF: 27750766.6/111

- sign 29.912+/-0.004 χ^2/NDF: 15009522.2/56



Right In: -0.003+/-0.008 χ^2/NDF: 25.4/30

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

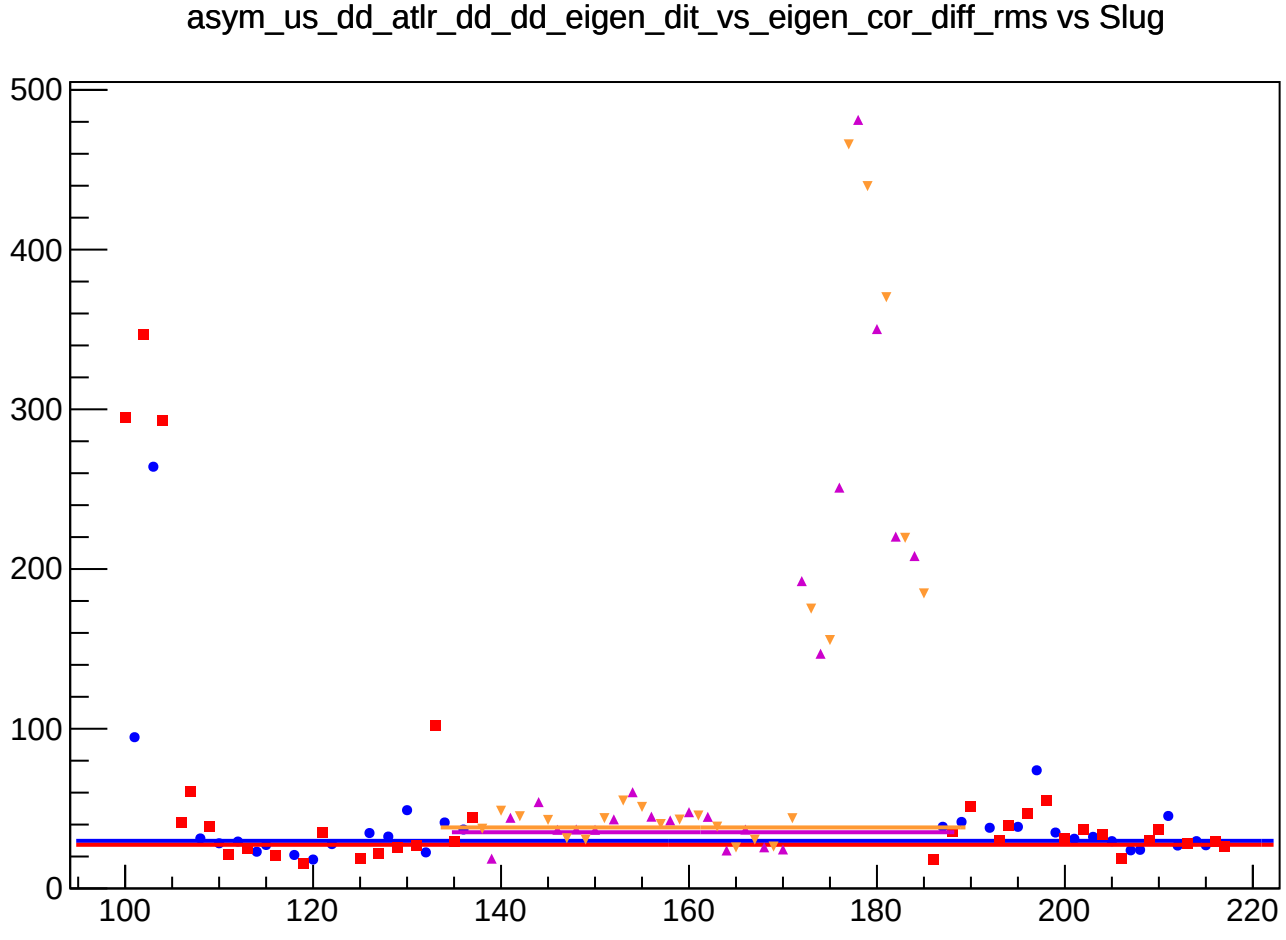
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/33

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.004+/-0.006 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 119.5/111

- sign -0.003+/-0.006 χ^2/NDF: 54.6/56



Right In: 29.807+/-0.005 χ^2/NDF: 3453542.0/30

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

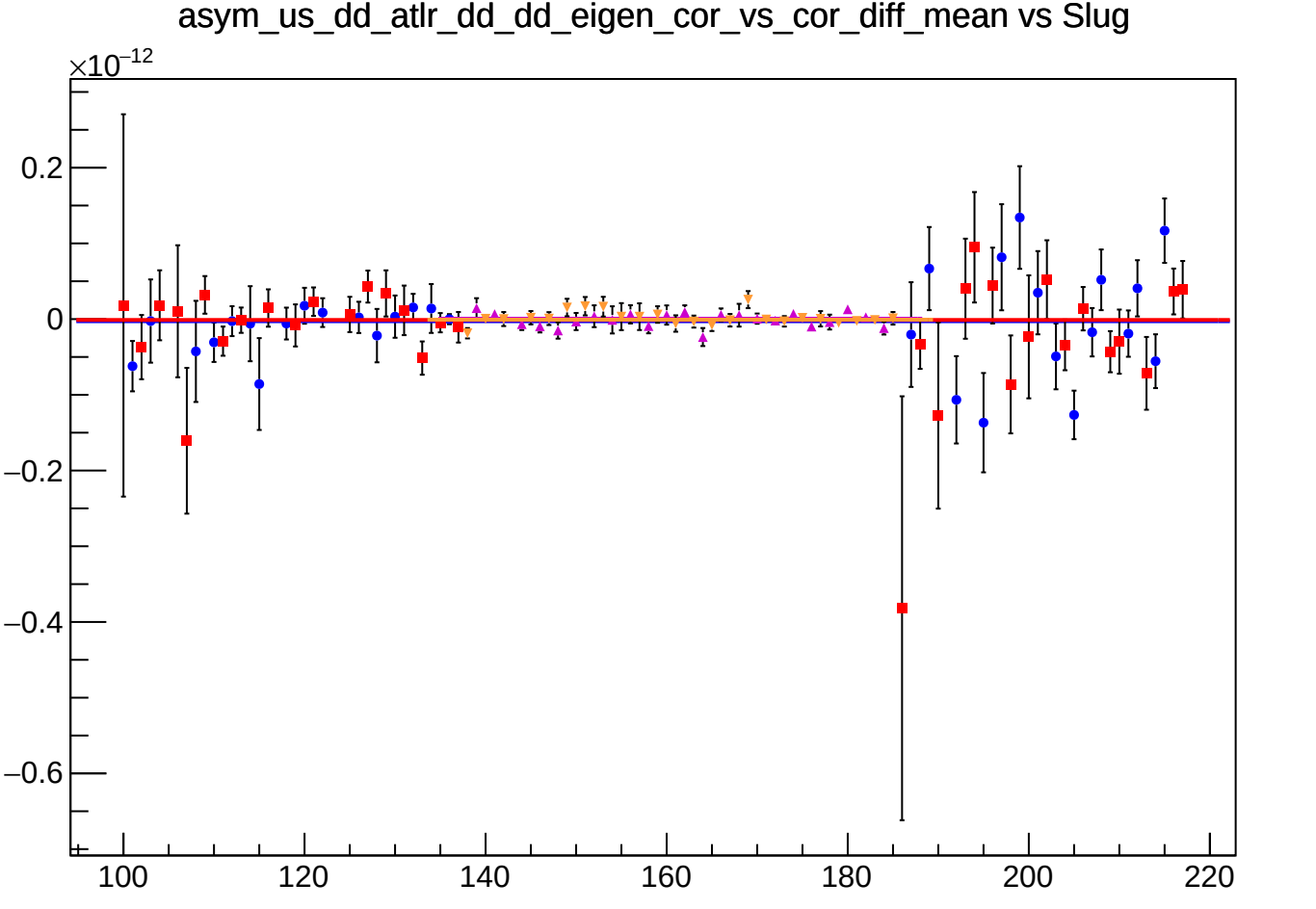
Right Out: 27.342+/-0.005 χ^2/NDF: 4830404.1/33

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 32.657+/-0.004 χ^2/NDF: 12537849.9/54

All: 31.189+/-0.003 χ^2/NDF: 27750766.6/111

- sign 29.912+/-0.004 χ^2/NDF: 15009522.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 54.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

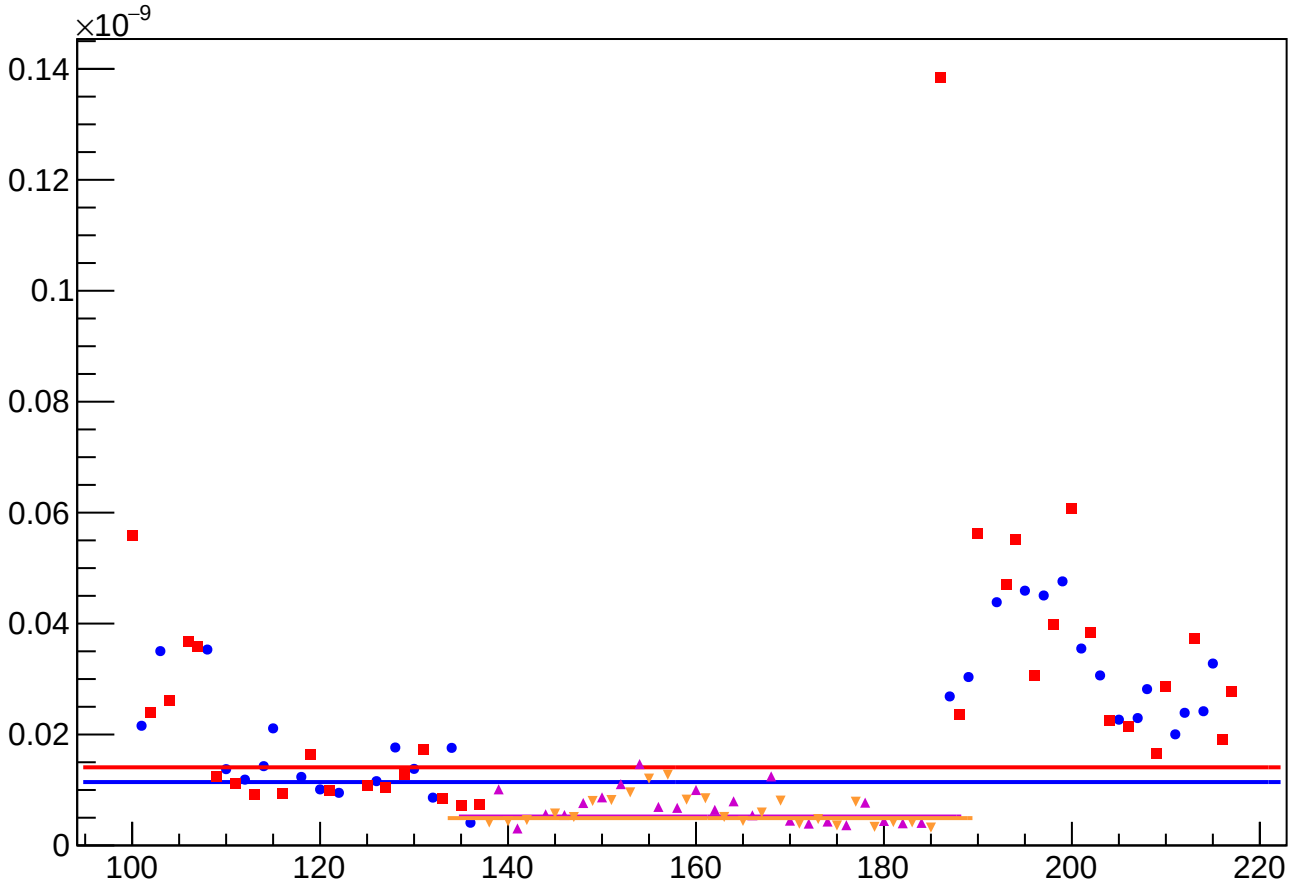
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.8/54

All: -0.000+/-0.000 χ^2/NDF: 142.2/111

- sign 0.000+/-0.000 χ^2/NDF: 66.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 8851284.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6857407.5/33

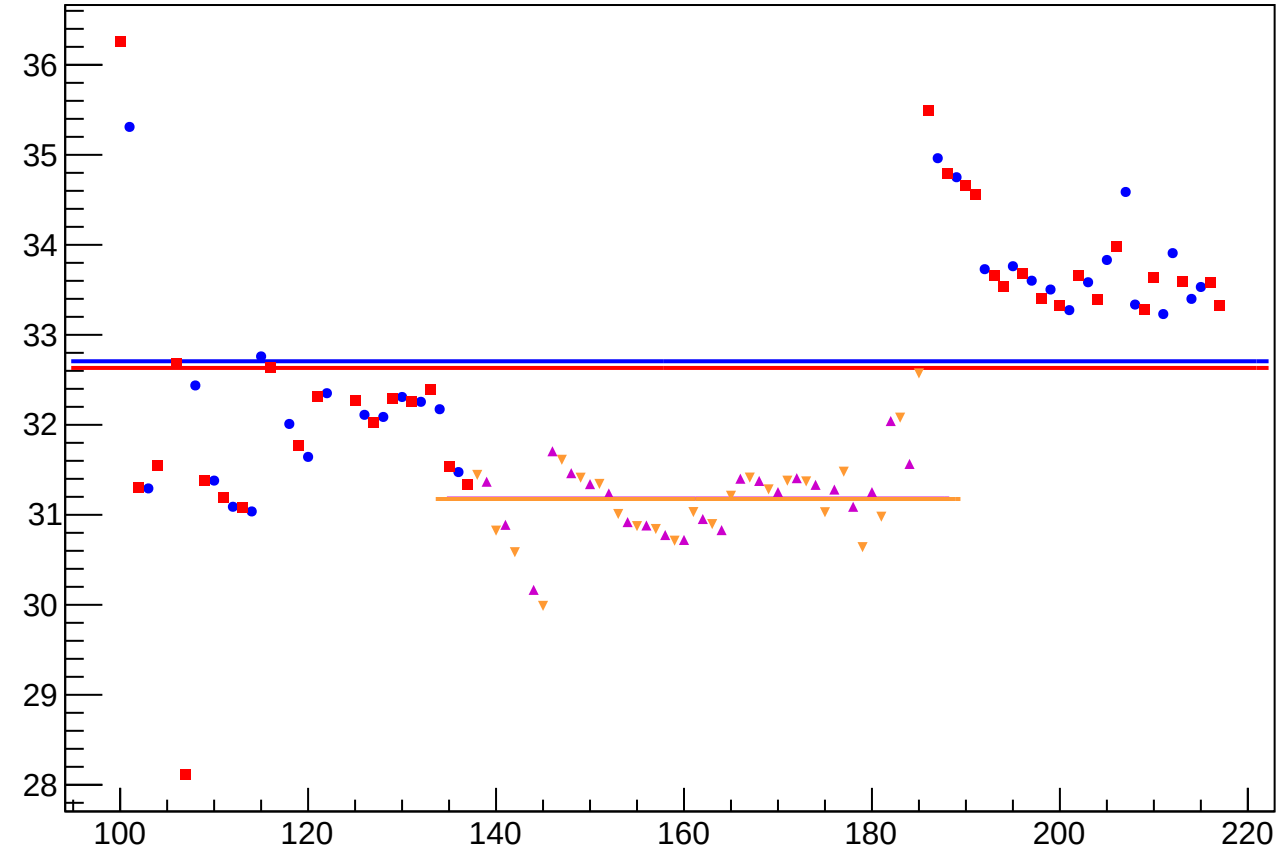
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15367168.5/54

All: 0.000+/-0.000 χ^2/NDF: 31498970.4/111

- sign 0.000+/-0.000 χ^2/NDF: 16053728.4/56

yield_usl_mean vs Slug



Right In: 32.706+/-0.000 χ^2/NDF: 2517749025.8/30

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.632+/-0.000 χ^2/NDF: 2389923643.0/34

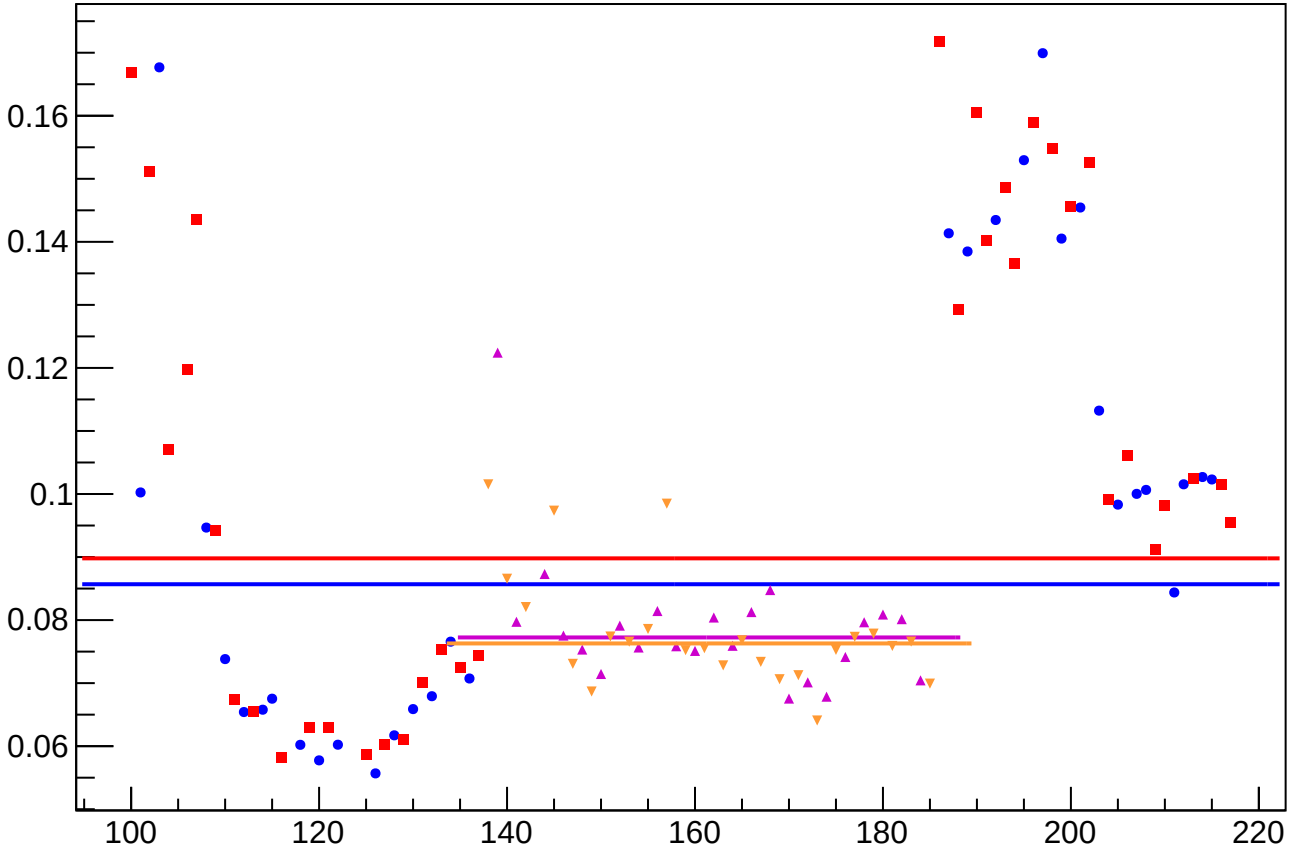
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.844+/-0.000 χ^2/NDF: 5993329559.9/54

All: 31.831+/-0.000 χ^2/NDF: 11317147349.9

- sign 31.816+/-0.000 χ^2/NDF: 5321835693.7/57

yield_usl_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 3594638.7/30

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

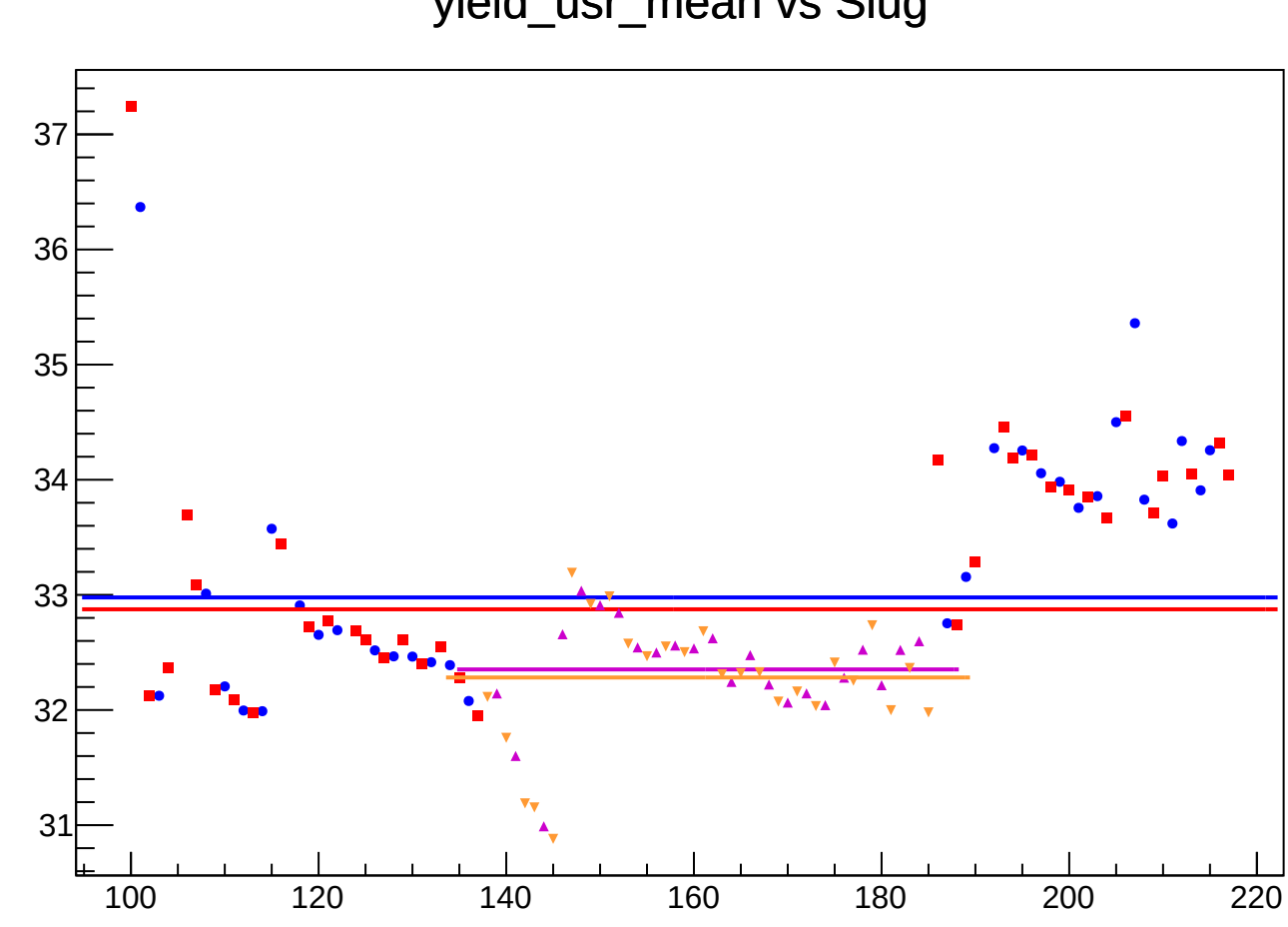
Right Out: 0.090+/-0.000 χ^2/NDF: 4015576.6/34

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.080+/-0.000 χ^2/NDF: 4173206.1/54

All: 0.082+/-0.000 χ^2/NDF: 8963478.2/112

- sign 0.083+/-0.000 χ^2/NDF: 4762750.9/57



Right In: 32.978+/-0.000 χ^2/NDF: 1249547260.8/30

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.875+/-0.000 χ^2/NDF: 697303544.6/34

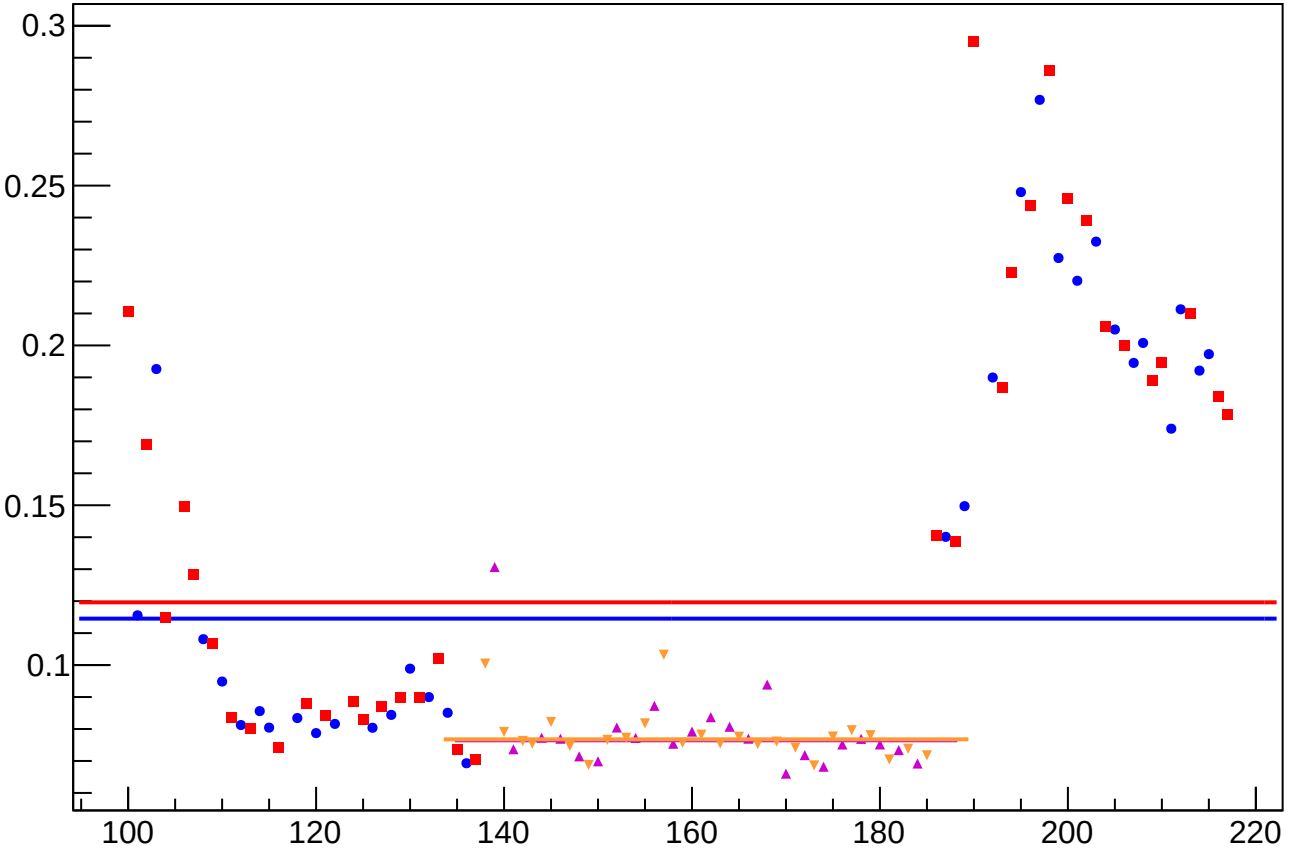
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.472+/-0.000 χ^2/NDF: 2483452907.7/55

All: 32.484+/-0.000 χ^2/NDF: 3990202544.1/1

- sign 32.498+/-0.000 χ^2/NDF: 1505382435.2/57

yield_usr_rms vs Slug



Right In: 0.115+/-0.000 χ^2/NDF: 6541561.3/30

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.120+/-0.000 χ^2/NDF: 6416272.3/34

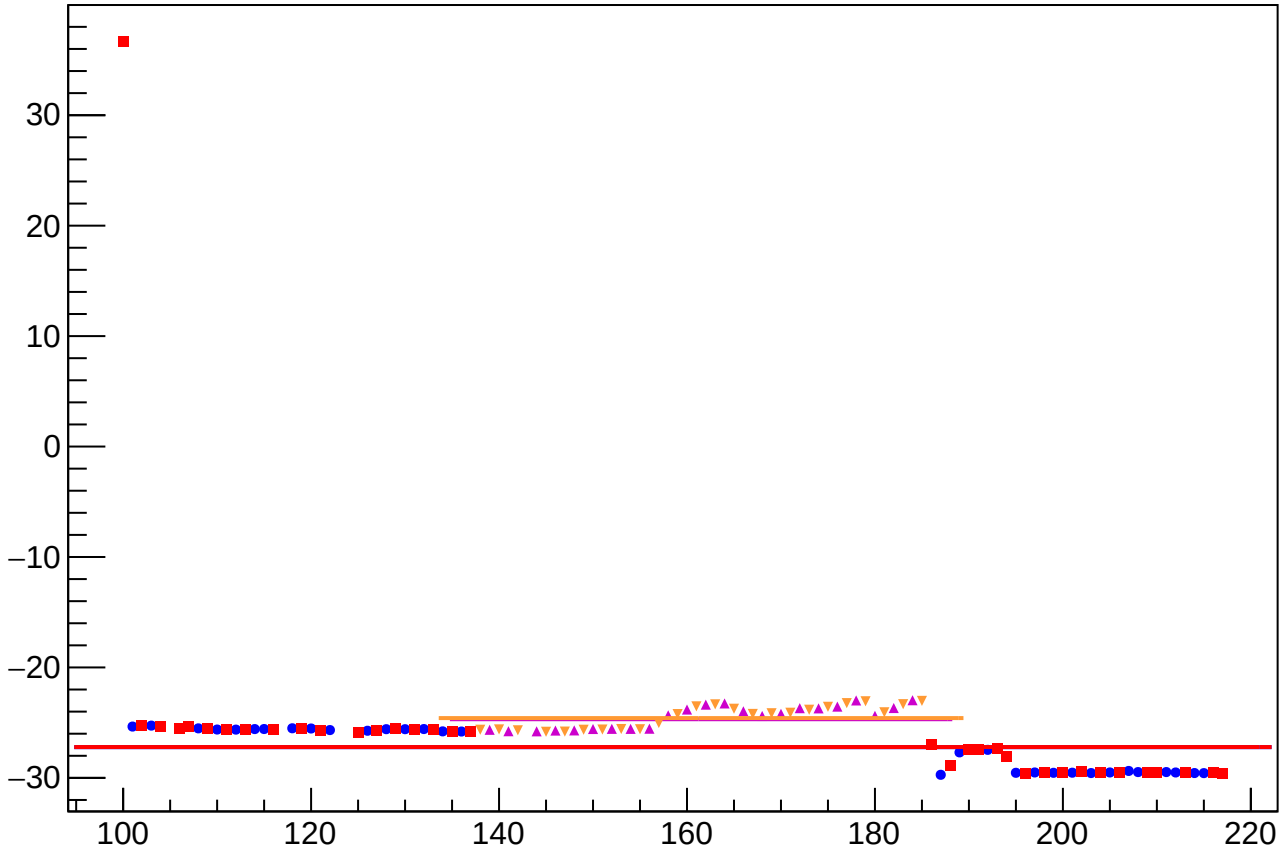
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 9121166.8/55

All: 0.088+/-0.000 χ^2/NDF: 19008278.1/113

- sign 0.088+/-0.000 χ^2/NDF: 9878977.3/57

yield_dsl_mean vs Slug



Right In: -27.220+/-0.000 χ^2/NDF: 26316402060.5/30

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.209+/-0.000 χ^2/NDF: 35344796002.0/34

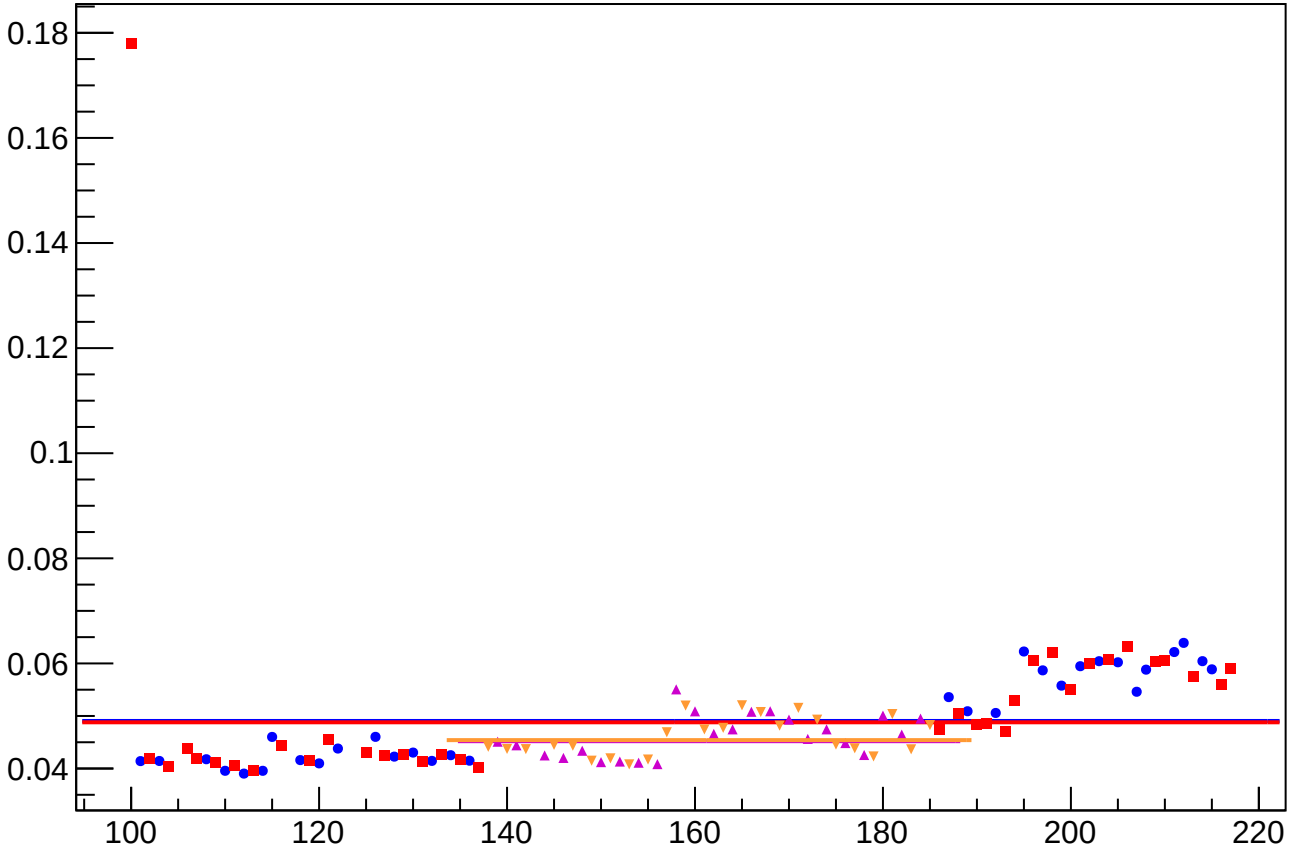
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.808+/-0.000 χ^2/NDF: 63551219846.3/54

All: -25.858+/-0.000 χ^2/NDF: 134530563706

- sign -25.906+/-0.000 χ^2/NDF: 70899291365.9/57

yield_dsl_rms vs Slug



Right In: 0.049+/-0.000 χ^2/NDF: 1093955.1/30

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1115197.9/34

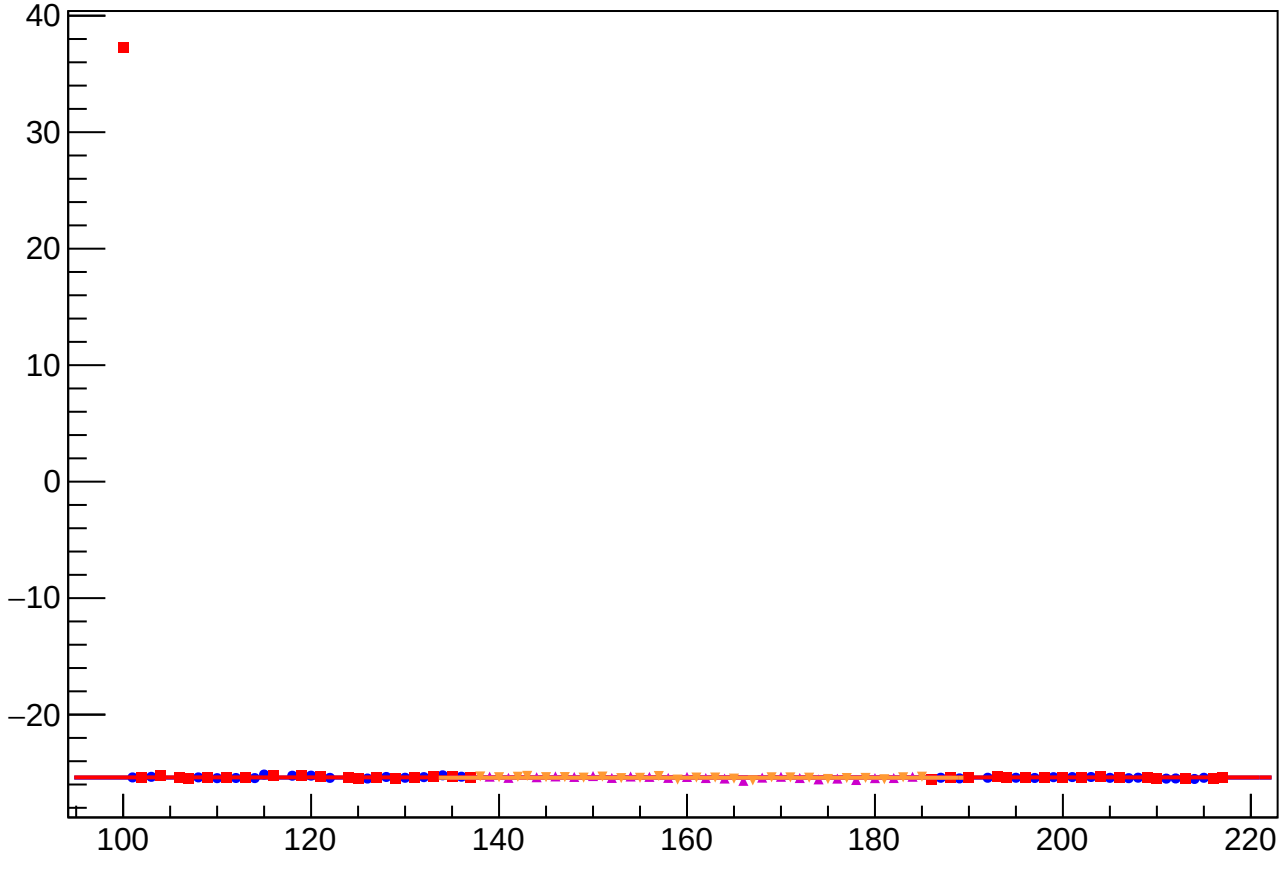
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.047+/-0.000 χ^2/NDF: 1406982.0/54

All: 0.047+/-0.000 χ^2/NDF: 2875894.7/112

- sign 0.047+/-0.000 χ^2/NDF: 1468515.5/57

yield_dsr_mean vs Slug



Right In: -25.409+/-0.000 χ^2/NDF: 31843899.1/30

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.388+/-0.000 χ^2/NDF: 6347034262.3/34

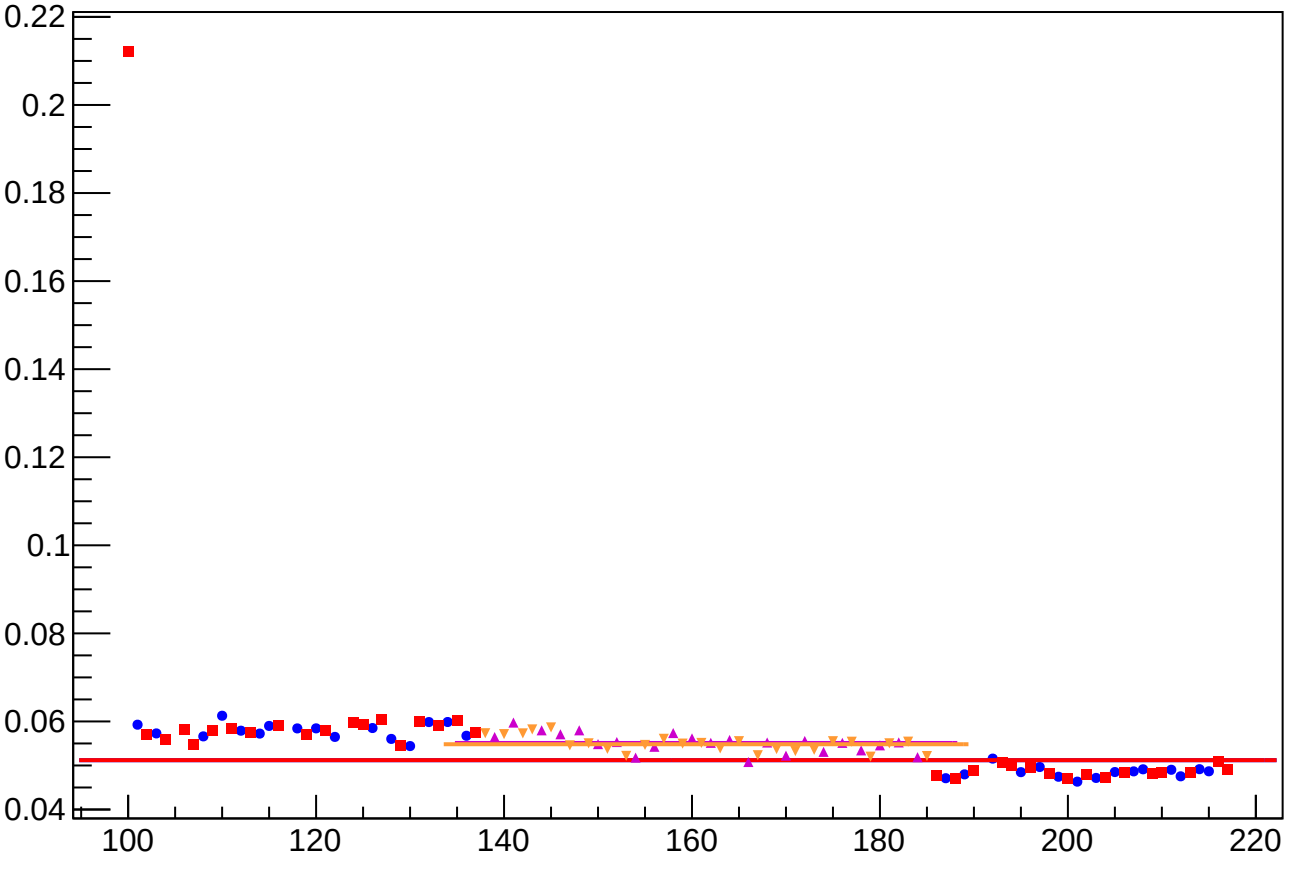
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.413+/-0.000 χ^2/NDF: 84267249.2/55

All: -25.406+/-0.000 χ^2/NDF: 6490609266.5/

- sign -25.399+/-0.000 χ^2/NDF: 6405173234.5/57

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 278568.7/30

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 379574.6/34

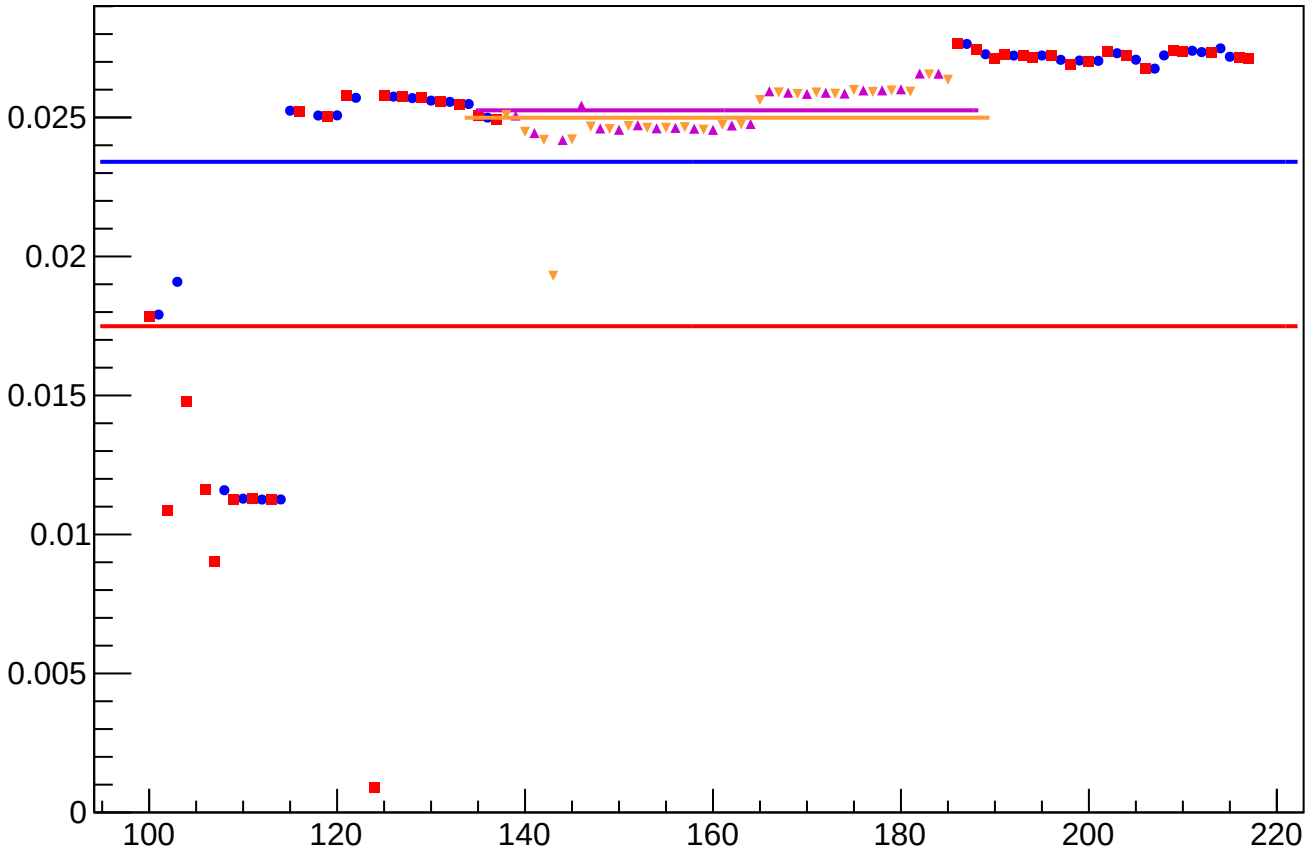
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 404001.8/55

All: 0.053+/-0.000 χ^2/NDF: 935155.5/113

- sign 0.053+/-0.000 χ^2/NDF: 531144.7/57

yield_atl1_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 101865886365.1/30

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 494744796382.8/35

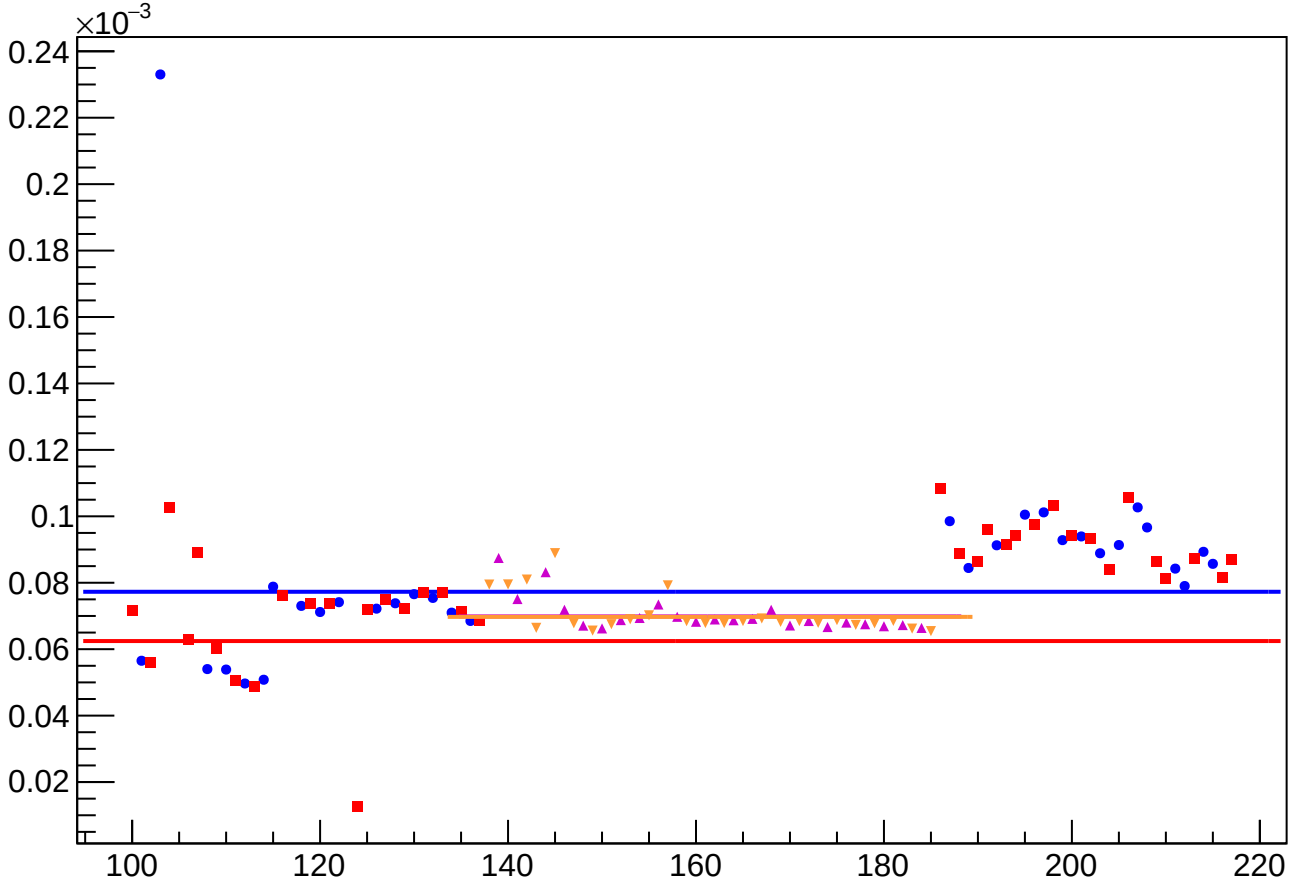
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 113995660318.4/55

All: 0.023+/-0.000 χ^2/NDF: 763274168096.8

- sign 0.021+/-0.000 χ^2/NDF: 613471820885.7/58

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1948342.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

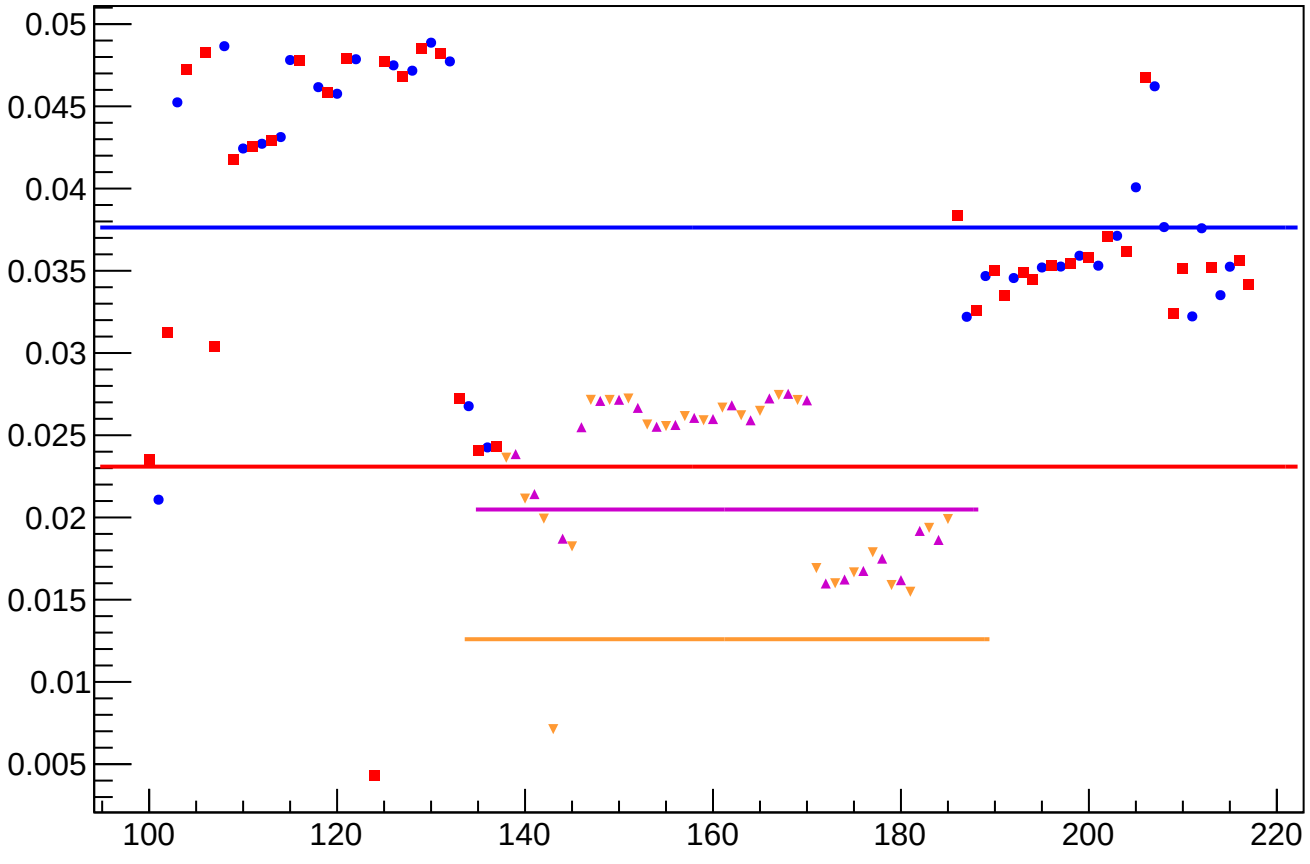
Right Out: 0.000+/-0.000 χ^2/NDF: 7982123.2/35

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2329197.1/55

All: 0.000+/-0.000 χ^2/NDF: 11038409.0/114

- sign 0.000+/-0.000 χ^2/NDF: 8347994.9/58



Right In: 0.038+/-0.000 χ^2/NDF: 7451143542.5/30

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

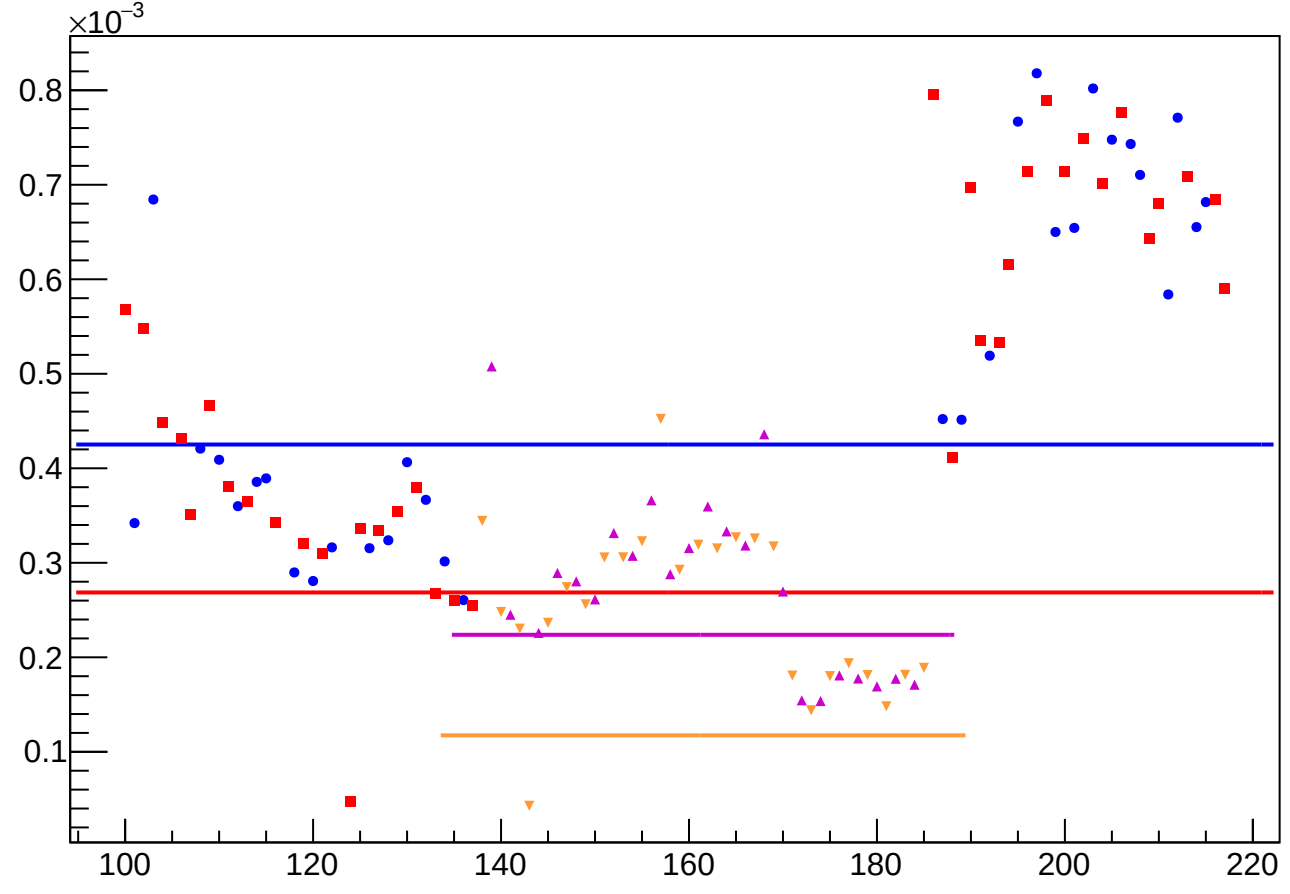
Right Out: 0.023+/-0.000 χ^2/NDF: 48120501246.1/35

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 92911078293.3/55

All: 0.017+/-0.000 χ^2/NDF: 159192950176.9

- sign 0.021+/-0.000 χ^2/NDF: 54909704779.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 4978389.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

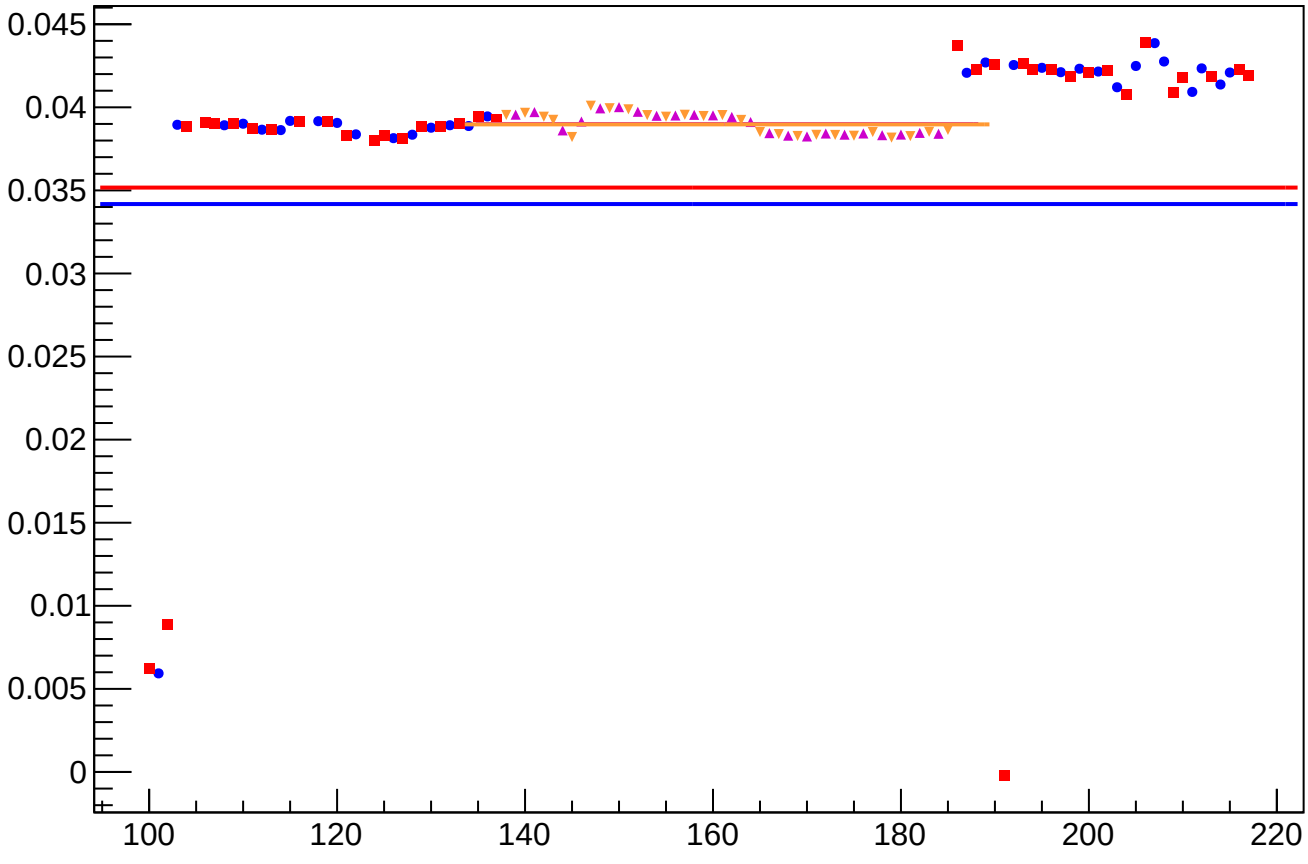
Right Out: 0.000+/-0.000 χ^2/NDF: 16295878.2/35

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33911540.7/55

All: 0.000+/-0.000 χ^2/NDF: 58786897.2/114

- sign 0.000+/-0.000 χ^2/NDF: 20091022.8/58



Right In: 0.034+/-0.000 χ^2/NDF: 134820536506.1/30

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

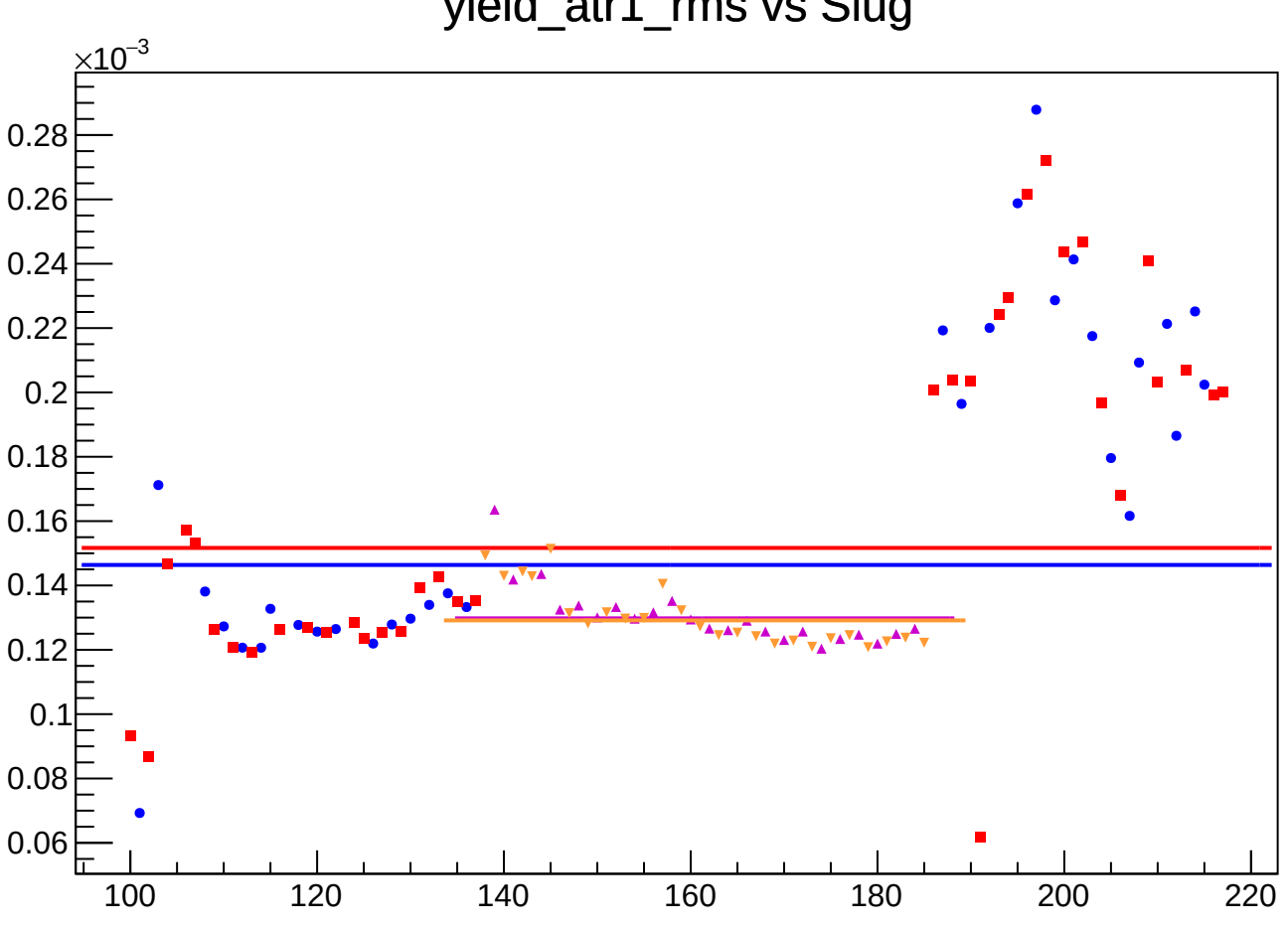
Right Out: 0.035+/-0.000 χ^2/NDF: 123536938764.7/35

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 145819562141.7/55

All: 0.037+/-0.000 χ^2/NDF: 276409217560.5

- sign 0.037+/-0.000 χ^2/NDF: 130472047218.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 4359750.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4118547.3/35

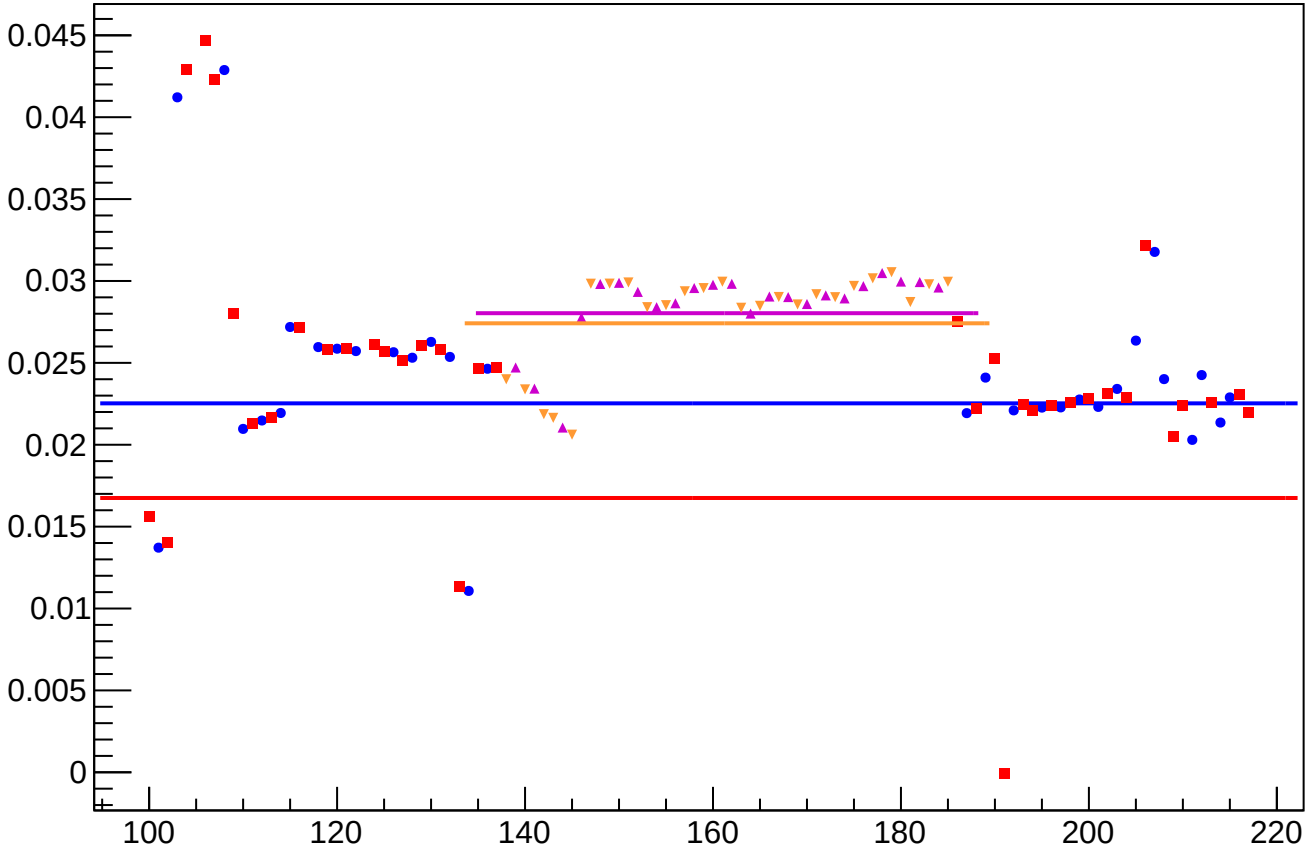
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4788855.8/55

All: 0.000+/-0.000 χ^2/NDF: 9491735.7/114

- sign 0.000+/-0.000 χ^2/NDF: 4687675.7/58

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5211011199.4/30

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25970027257.6/35

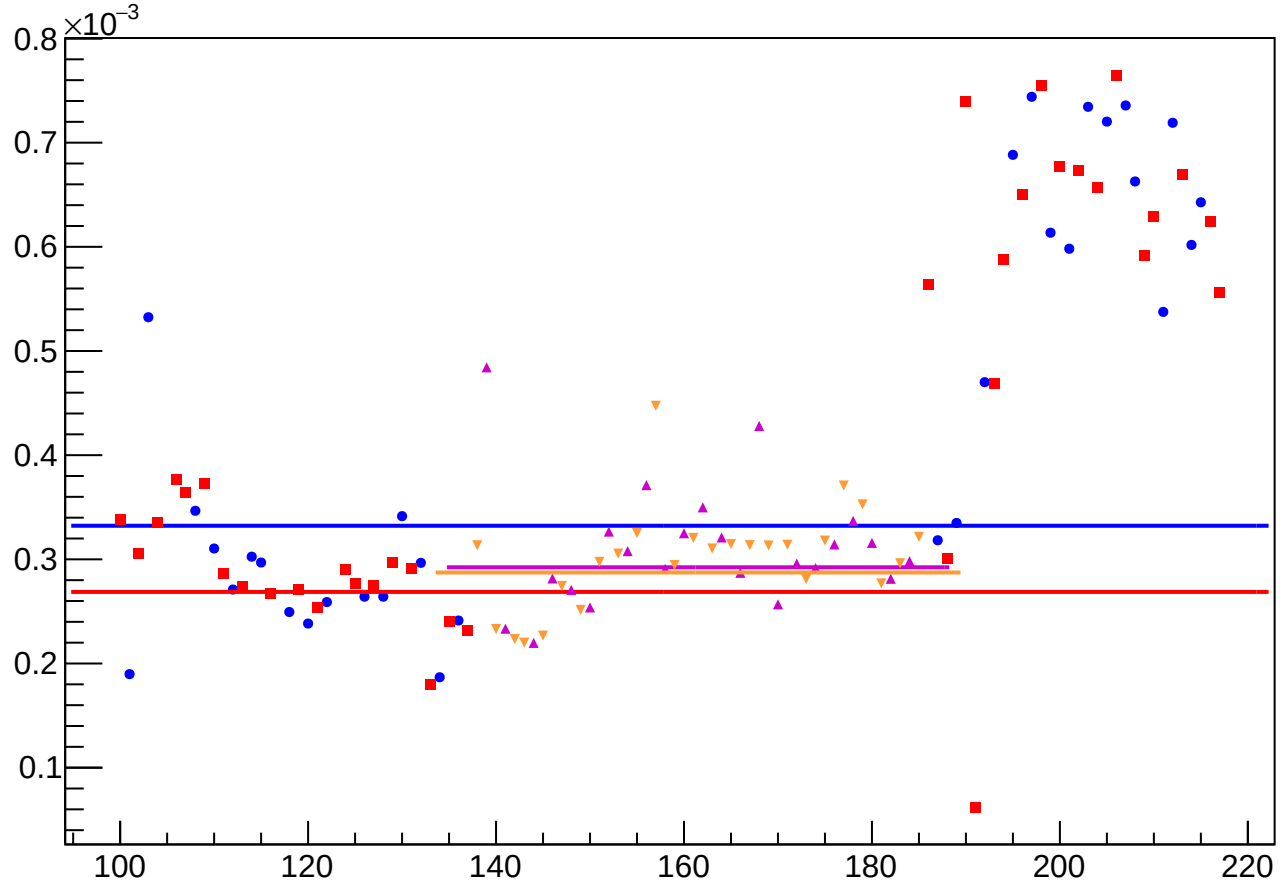
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9363750399.7/55

All: 0.024+/-0.000 χ^2/NDF: 50114026669.8/1

- sign 0.023+/-0.000 χ^2/NDF: 39248373416.0/58

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6982416.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

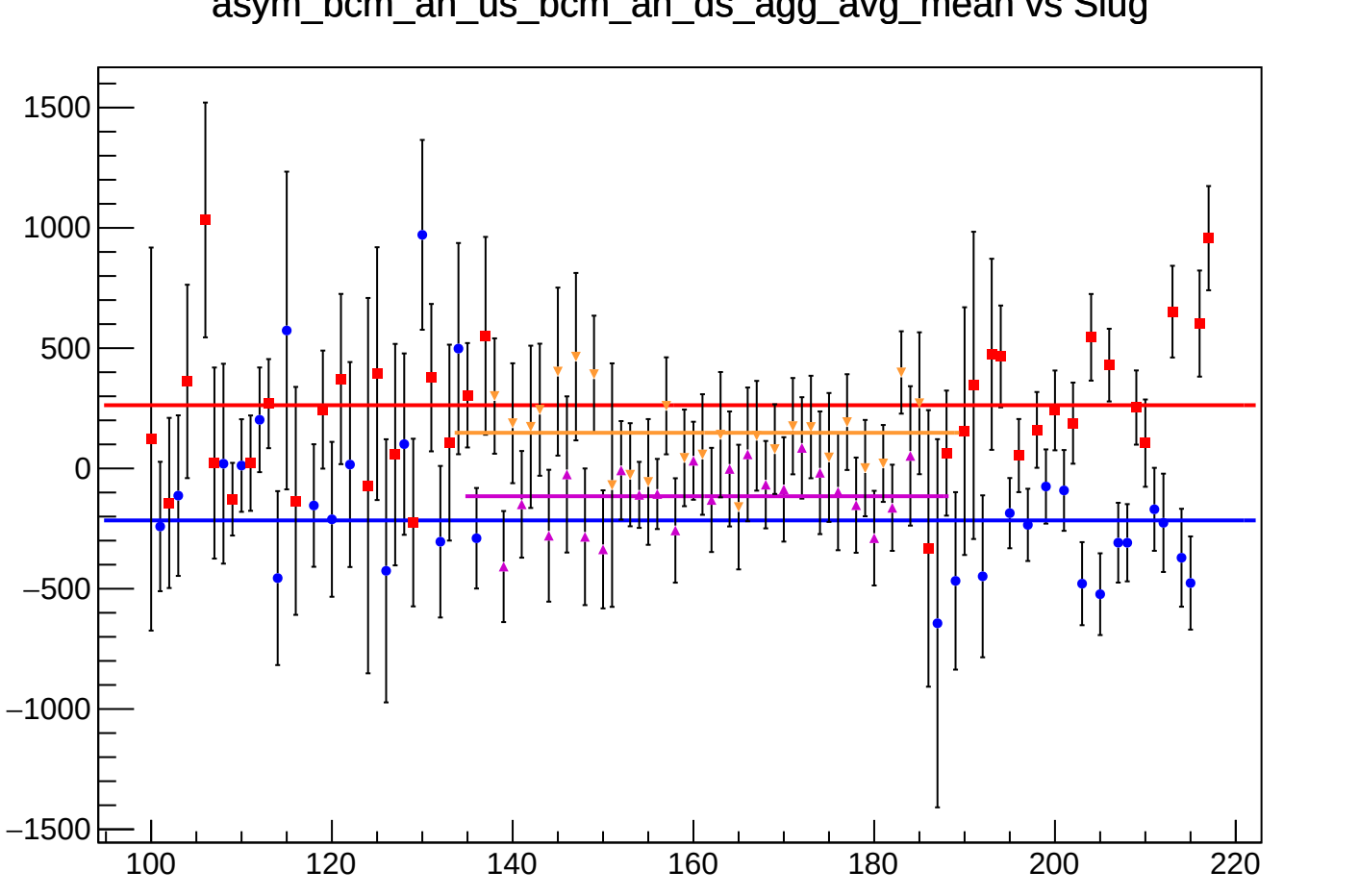
Right Out: 0.000+/-0.000 χ^2/NDF: 12376591.2/35

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8126161.4/55

All: 0.000+/-0.000 χ^2/NDF: 21775053.9/114

- sign 0.000+/-0.000 χ^2/NDF: 13450597.1/58



Right In: -215.999+/-40.469 χ^2/NDF: 31.9/30

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

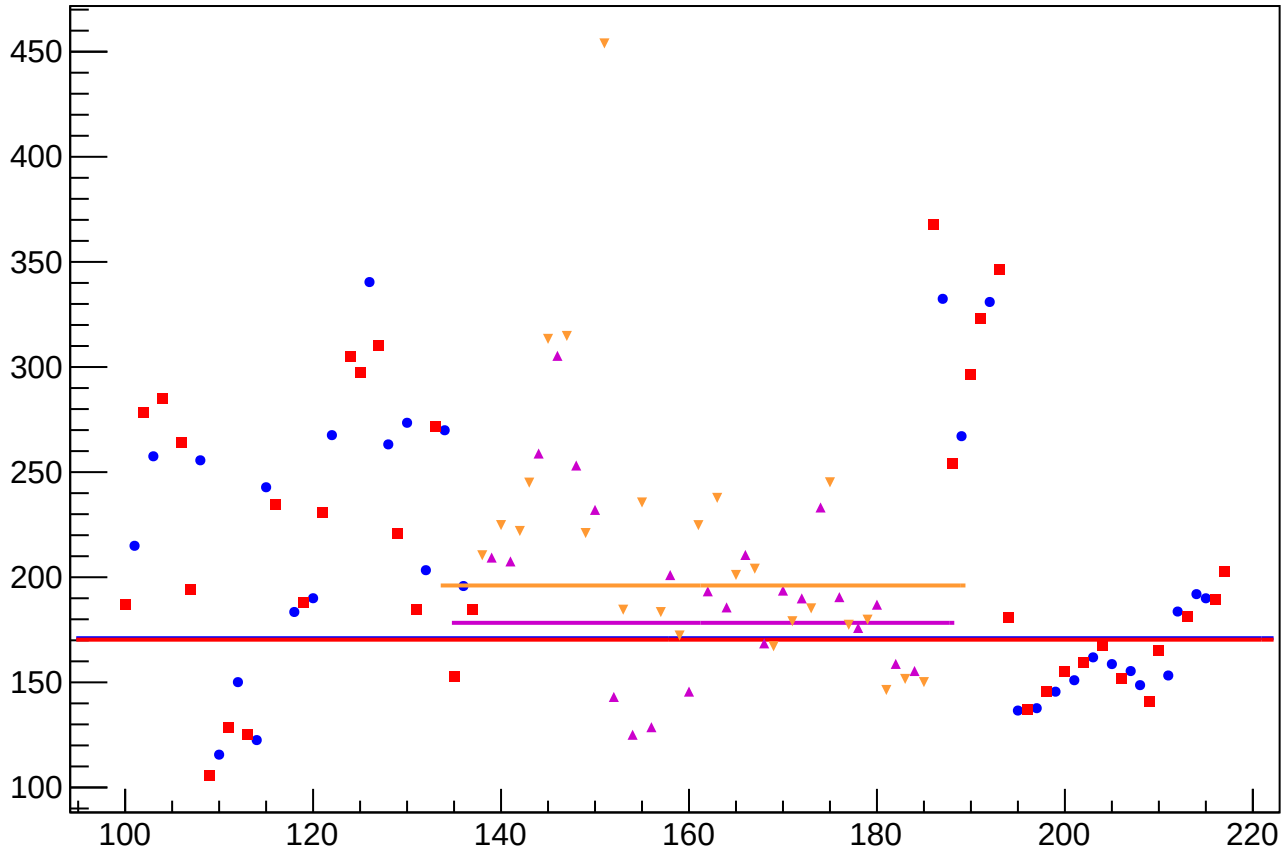
Right Out: 262.882+/-39.524 χ^2/NDF: 43.2/35

Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -57.921+/-30.447 χ^2/NDF: 77.4/55

All: 20.021+/-21.102 χ^2/NDF: 182.3/114

- sign 92.069+/-29.273 χ^2/NDF: 92.3/58



Right In: 171.002+/-0.029 χ^2/NDF: 2337014.5/30

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

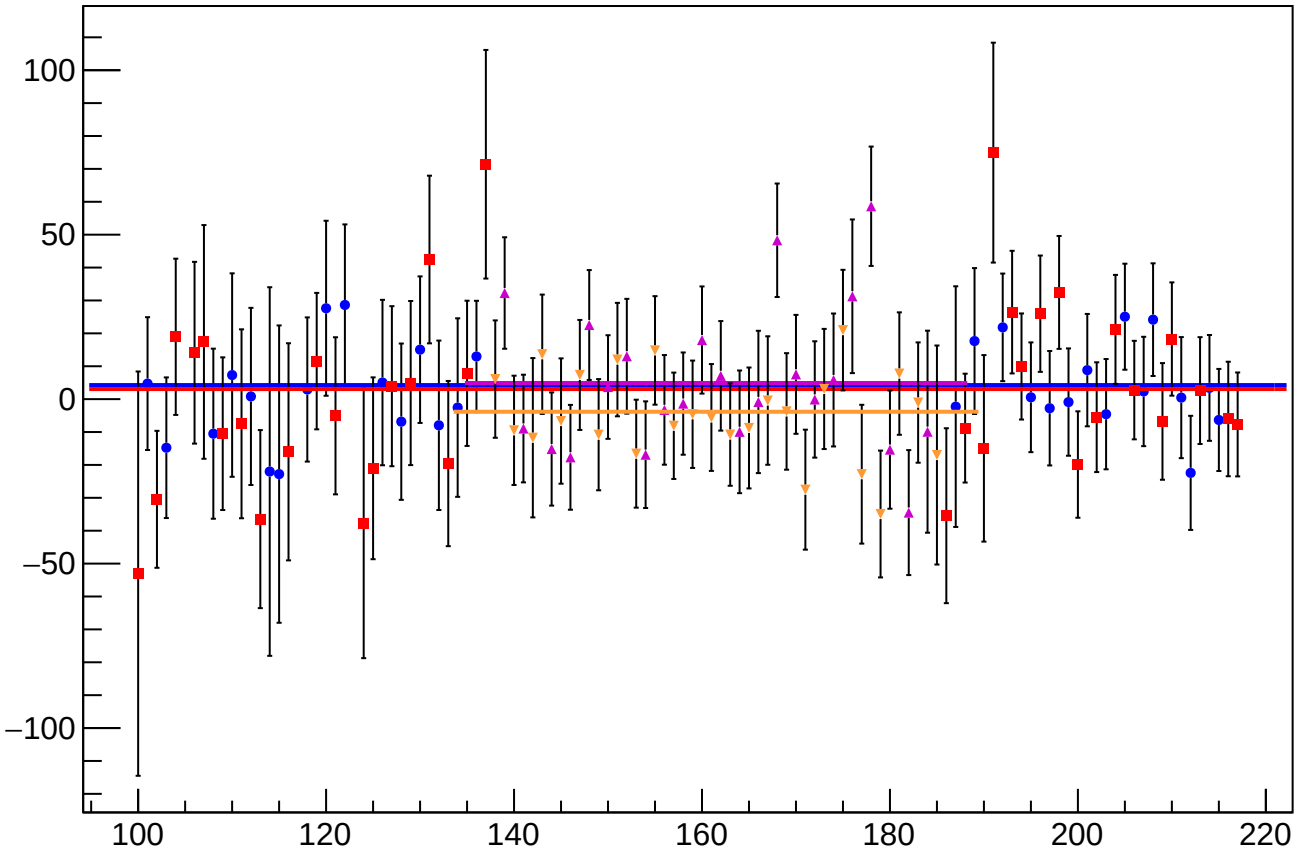
Right Out: 170.304+/-0.028 χ^2/NDF: 3075771.1/35

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.887+/-0.022 χ^2/NDF: 4488985.4/55

All: 177.748+/-0.015 χ^2/NDF: 9351336.0/114

- sign 173.922+/-0.021 χ^2/NDF: 4791222.1/58



Right In: 4.277+/-3.637 χ^2/NDF: 12.6/30

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

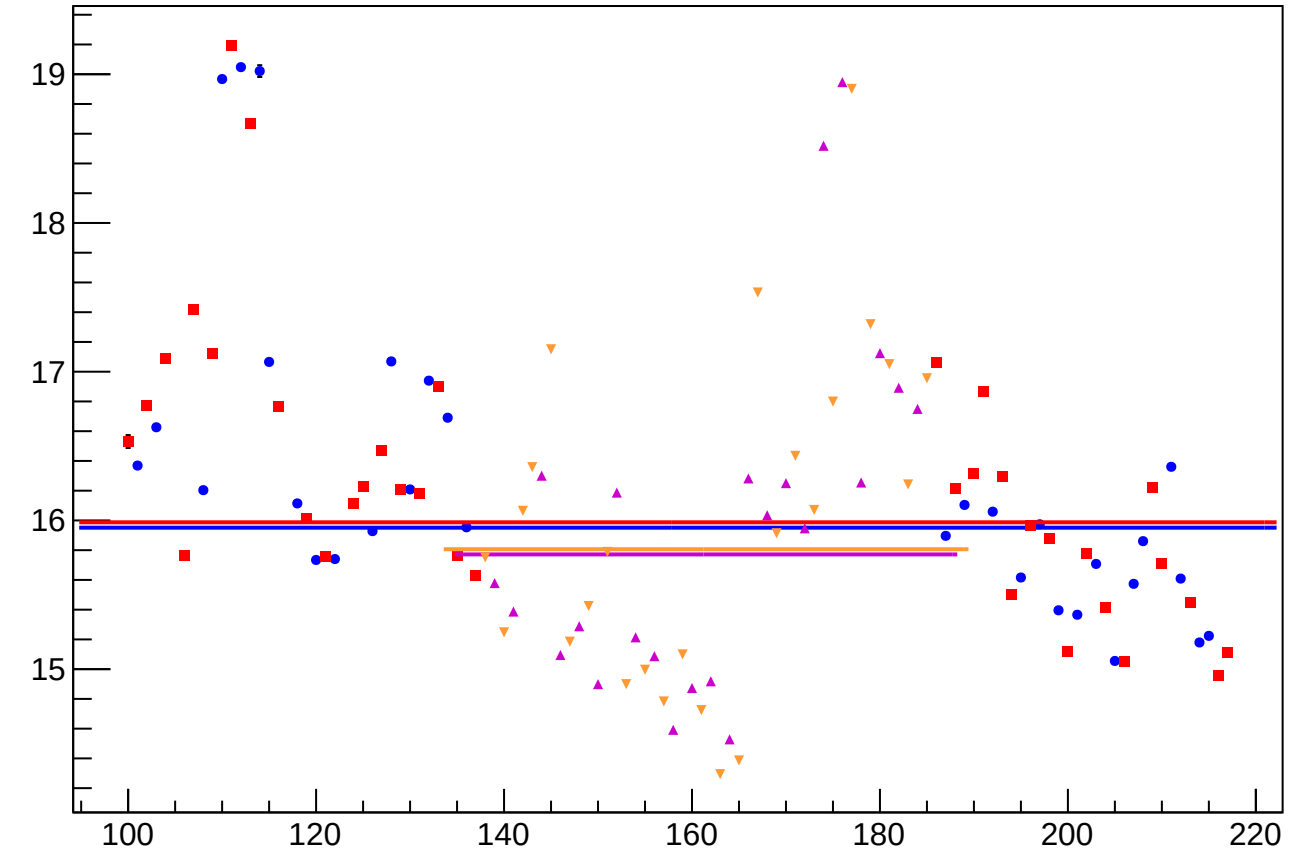
Right Out: 3.063+/-3.519 χ^2/NDF: 35.6/35

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.182+/-2.560 χ^2/NDF: 28.0/55

All: 2.069+/-1.806 χ^2/NDF: 98.7/114

- sign 3.938+/-2.548 χ^2/NDF: 69.6/58



Right In: 15.951+/-0.003 χ^2/NDF: 89360.5/30

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

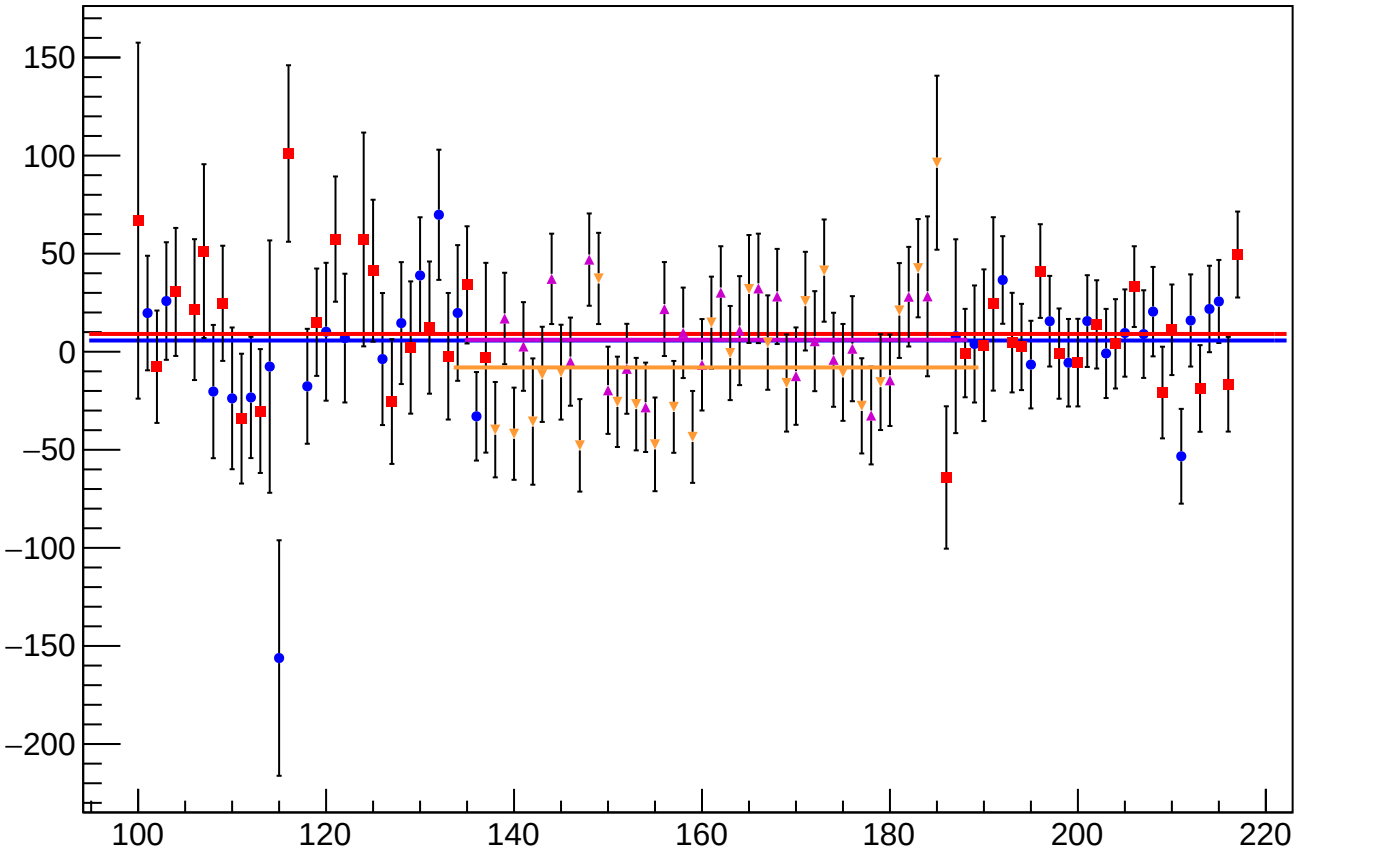
Right Out: 15.987+/-0.002 χ^2/NDF: 105762.6/35

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.878+/-0.002 χ^2/NDF: 263614.9/55

All: 15.881+/-0.001 χ^2/NDF: 525103.3/114

- sign 15.885+/-0.002 χ^2/NDF: 261481.7/58



Right In: 5.720+/-4.874 χ^2/NDF: 30.0/30

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

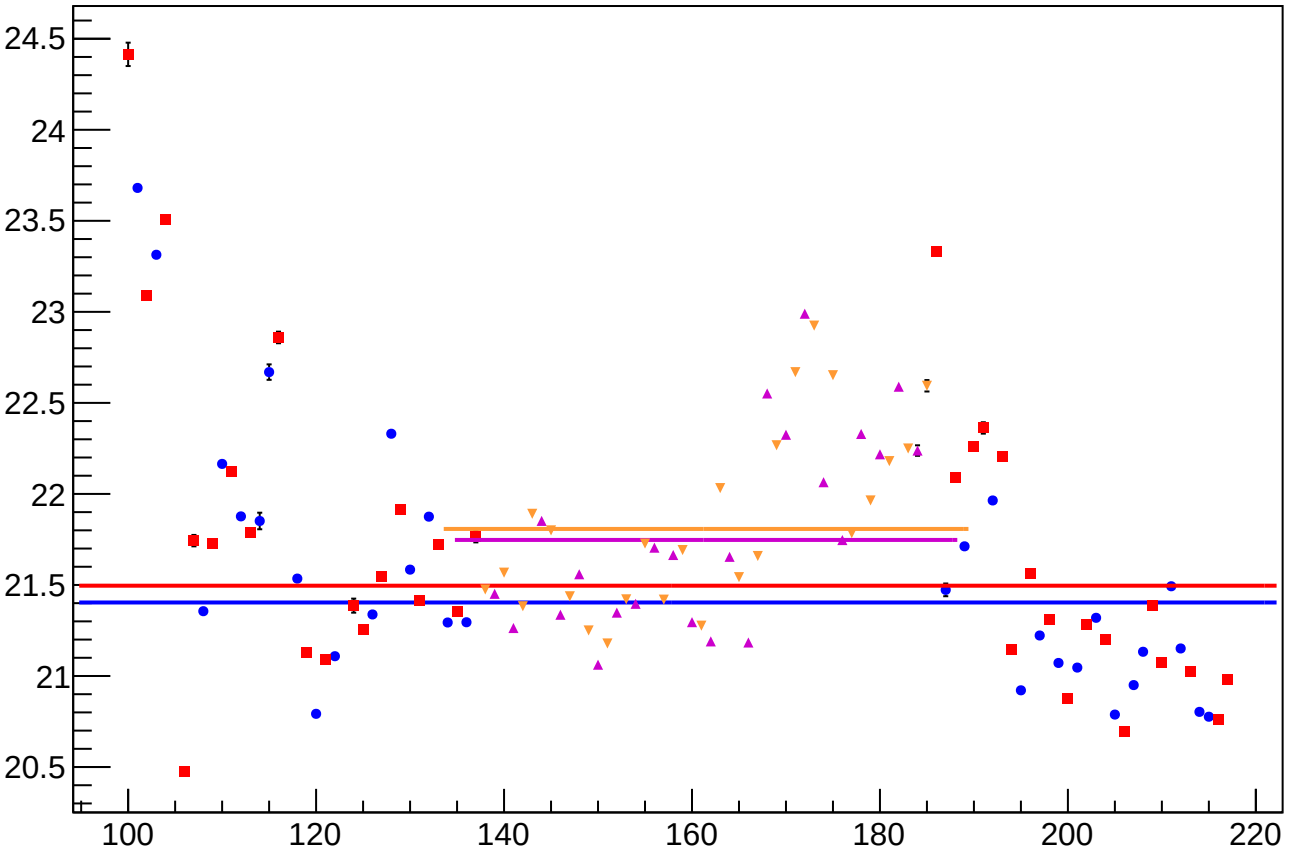
Right Out: 9.058+/-4.724 χ^2/NDF: 32.1/35

Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

+ sign -1.033+/-3.475 χ^2/NDF: 72.7/55

All: 3.343+/-2.452 χ^2/NDF: 126.1/114

- sign 7.680+/-3.459 χ^2/NDF: 50.2/58



Right In: 21.404+/-0.003 χ^2/NDF: 35373.1/30

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

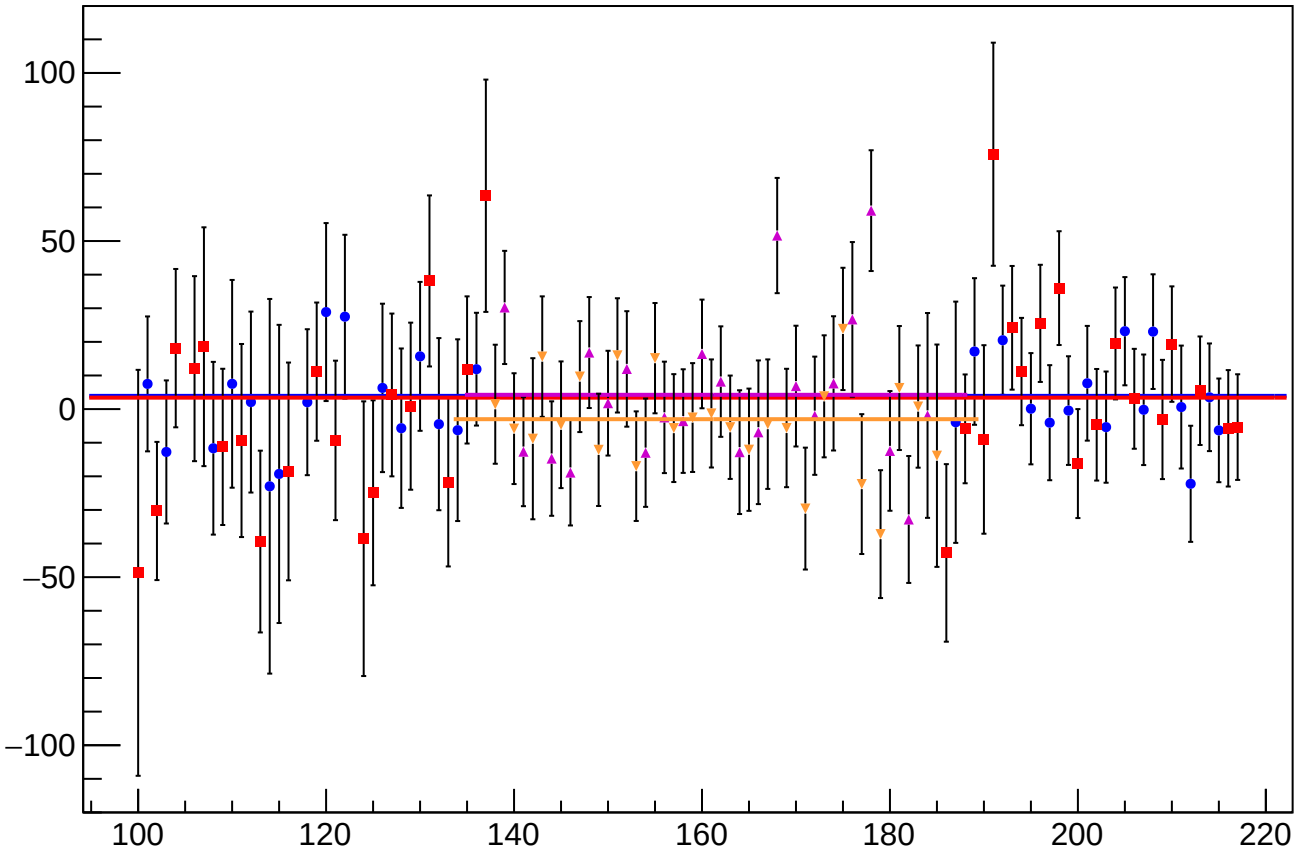
Right Out: 21.496+/-0.003 χ^2/NDF: 41646.3/35

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.602+/-0.002 χ^2/NDF: 59690.1/55

All: 21.607+/-0.002 χ^2/NDF: 124531.5/114

- sign 21.613+/-0.002 χ^2/NDF: 64832.8/58



Right In: 3.935+/-3.612 χ^2/NDF: 12.0/30

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

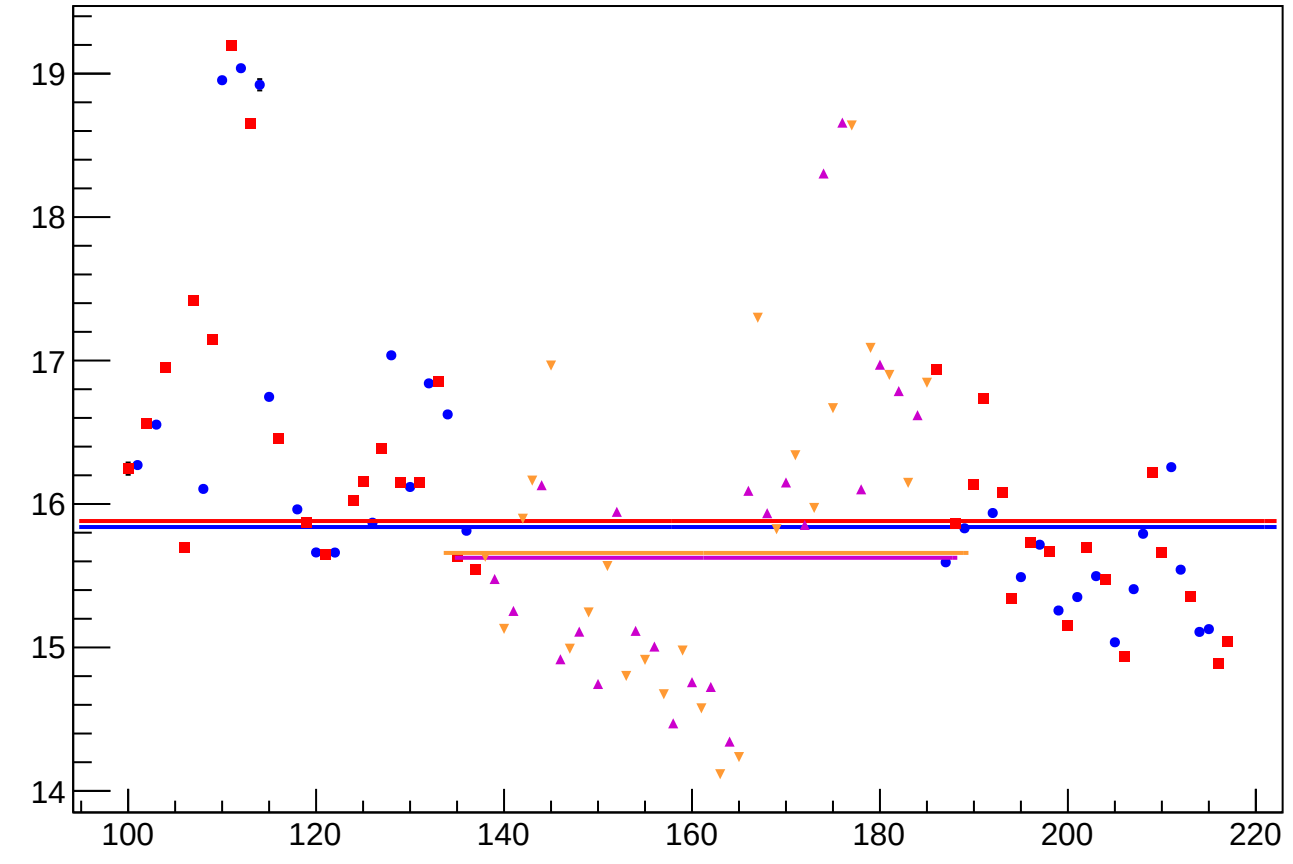
Right Out: 3.406+/-3.496 χ^2/NDF: 35.7/35

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.424+/-2.539 χ^2/NDF: 28.5/55

All: 2.123+/-1.791 χ^2/NDF: 98.9/114

- sign 3.808+/-2.528 χ^2/NDF: 69.5/58



Right In: 15.839+/-0.003 χ^2/NDF: 92013.0/30

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

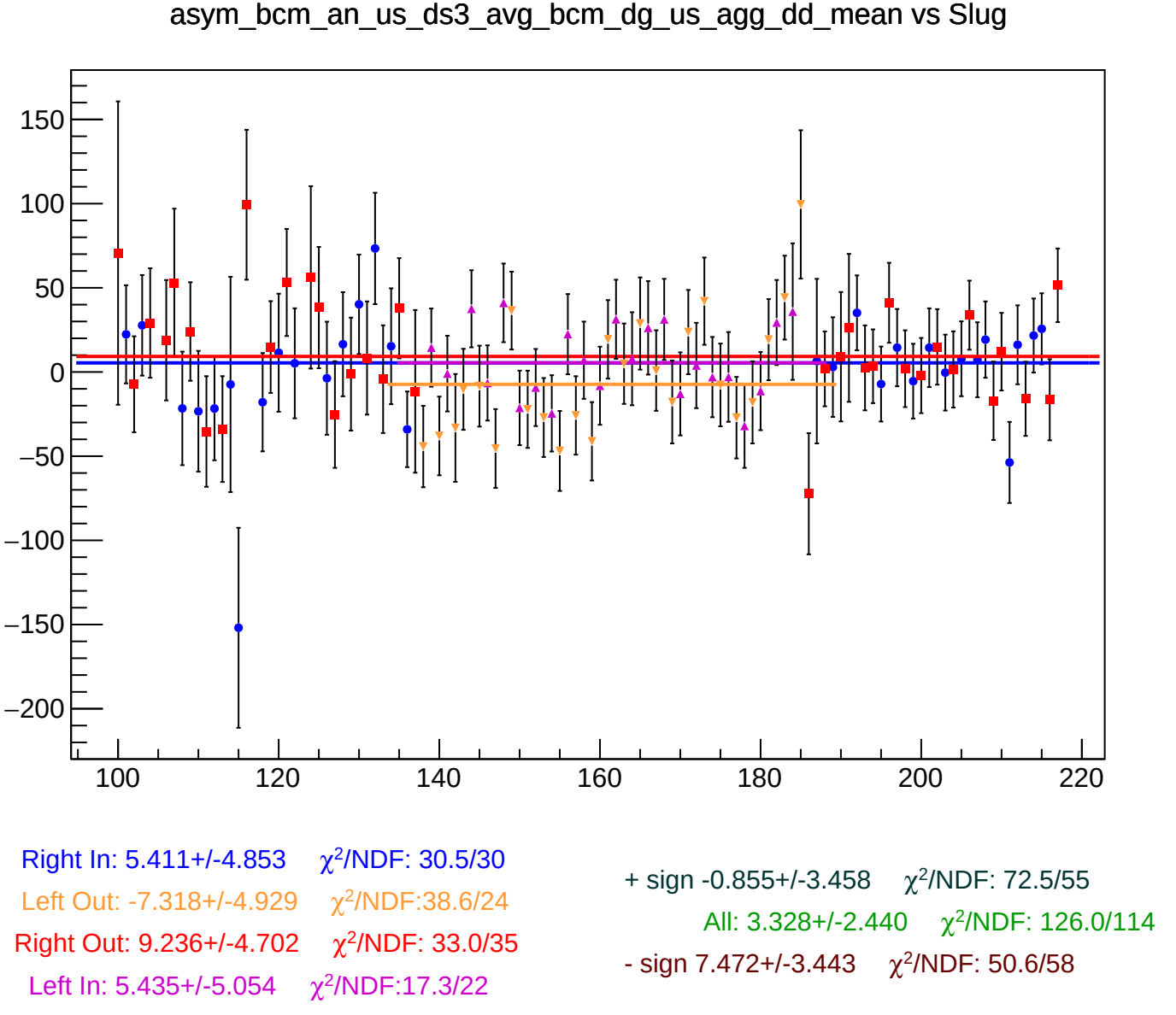
Right Out: 15.881+/-0.002 χ^2/NDF: 106346.3/35

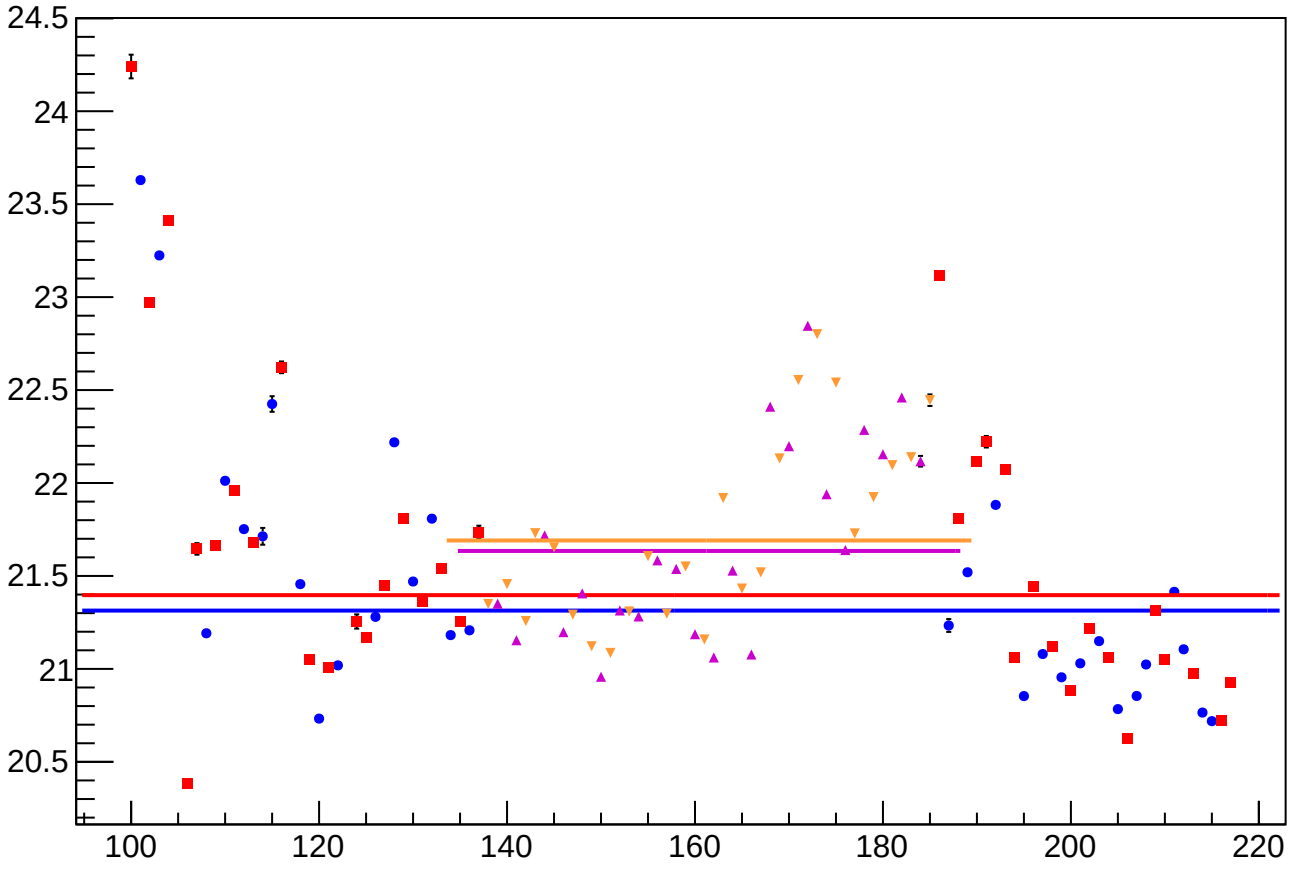
Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.748+/-0.002 χ^2/NDF: 264379.1/55

All: 15.754+/-0.001 χ^2/NDF: 526301.8/114

\- sign 15.759+/-0.002 χ^2/NDF: 261904.0/58


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug
150
100
50
0
−50
−100
−150
−200
100
120
140
160
180
200
220
Right In: 5.411+/-4.853 χ²/NDF: 30.5/30
Left Out: -7.318+/-4.929 χ²/NDF:38.6/24
Right Out: 9.236+/-4.702 χ²/NDF: 33.0/35
Left In: 5.435+/-5.054 χ²/NDF:17.3/22
+ sign -0.855+/-3.458 χ²/NDF: 72.5/55
All: 3.328+/-2.440 χ²/NDF: 126.0/114
- sign 7.472+/-3.443 χ²/NDF: 50.6/58



Right In: 21.314+/-0.003 χ^2/NDF: 34574.9/30

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

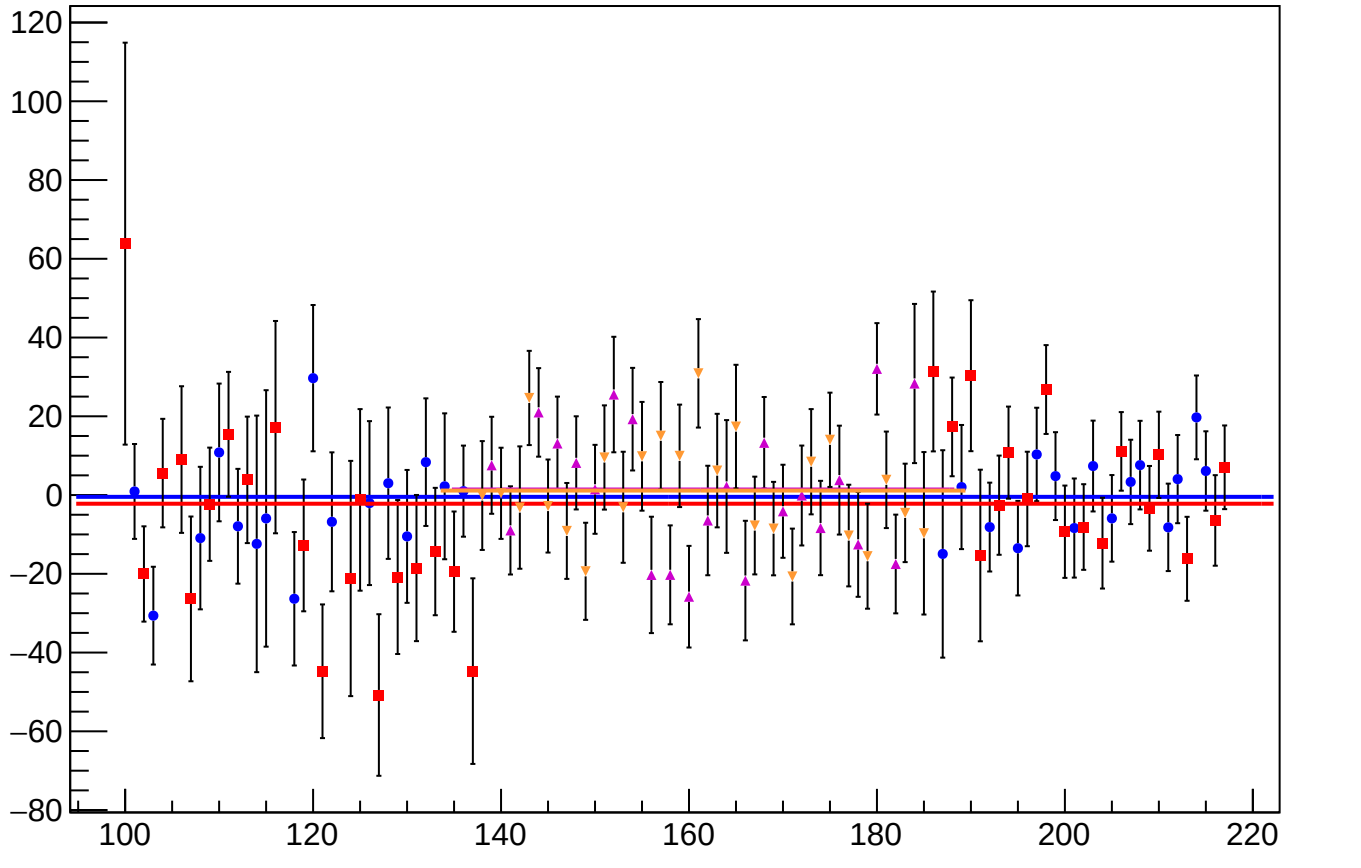
Right Out: 21.397+/-0.003 χ^2/NDF: 38088.6/35

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.499+/-0.002 χ^2/NDF: 58455.7/55

All: 21.503+/-0.002 χ^2/NDF: 119482.7/114

- sign 21.507+/-0.002 χ^2/NDF: 61021.9/58



Right In: -0.457+/-2.443 χ^2/NDF: 22.3/30

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

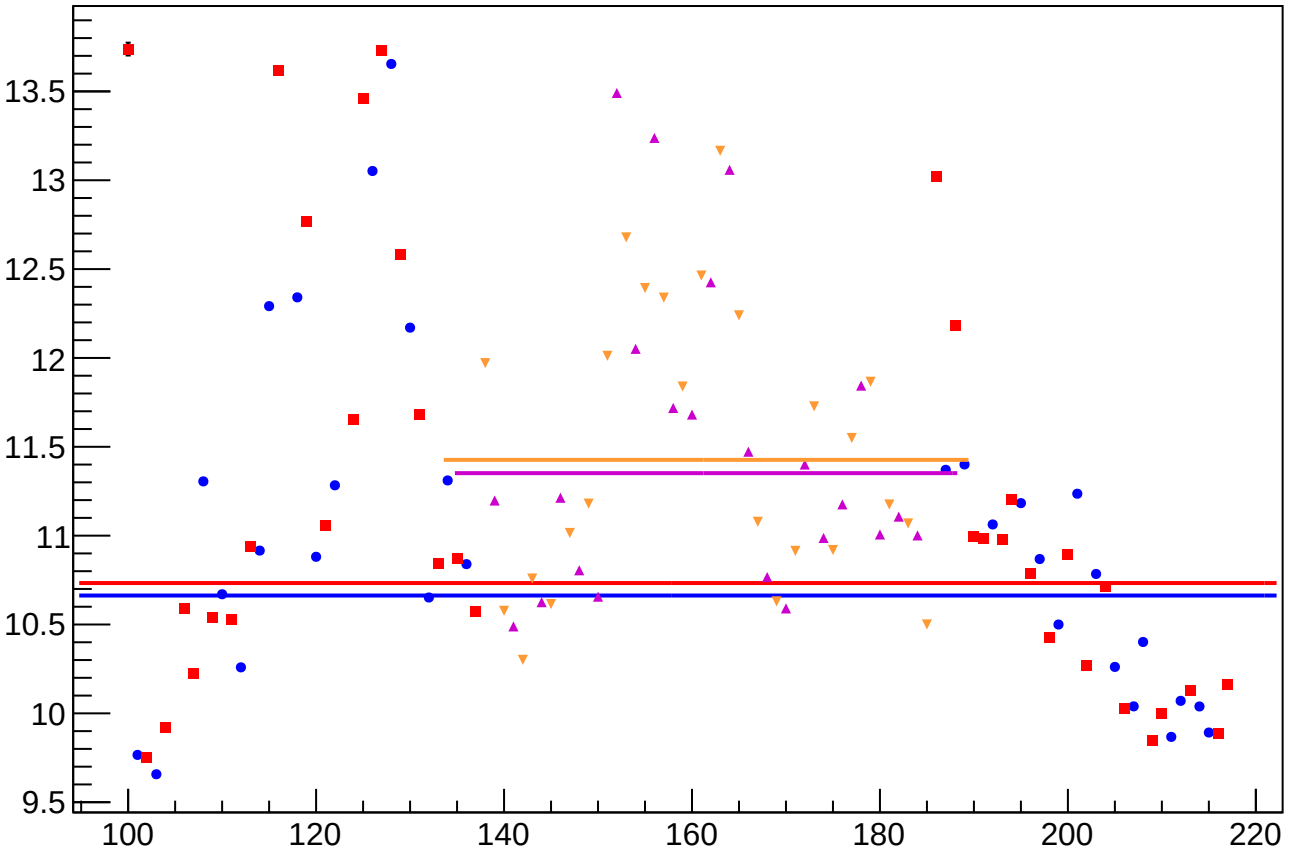
Right Out: -2.204+/-2.376 χ^2/NDF: 50.6/35

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.285+/-1.787 χ^2/NDF: 47.1/55

All: -0.166+/-1.260 χ^2/NDF: 135.1/114

- sign -0.611+/-1.776 χ^2/NDF: 87.9/58



Right In: 10.663+/-0.002 χ^2/NDF: 211853.4/30

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

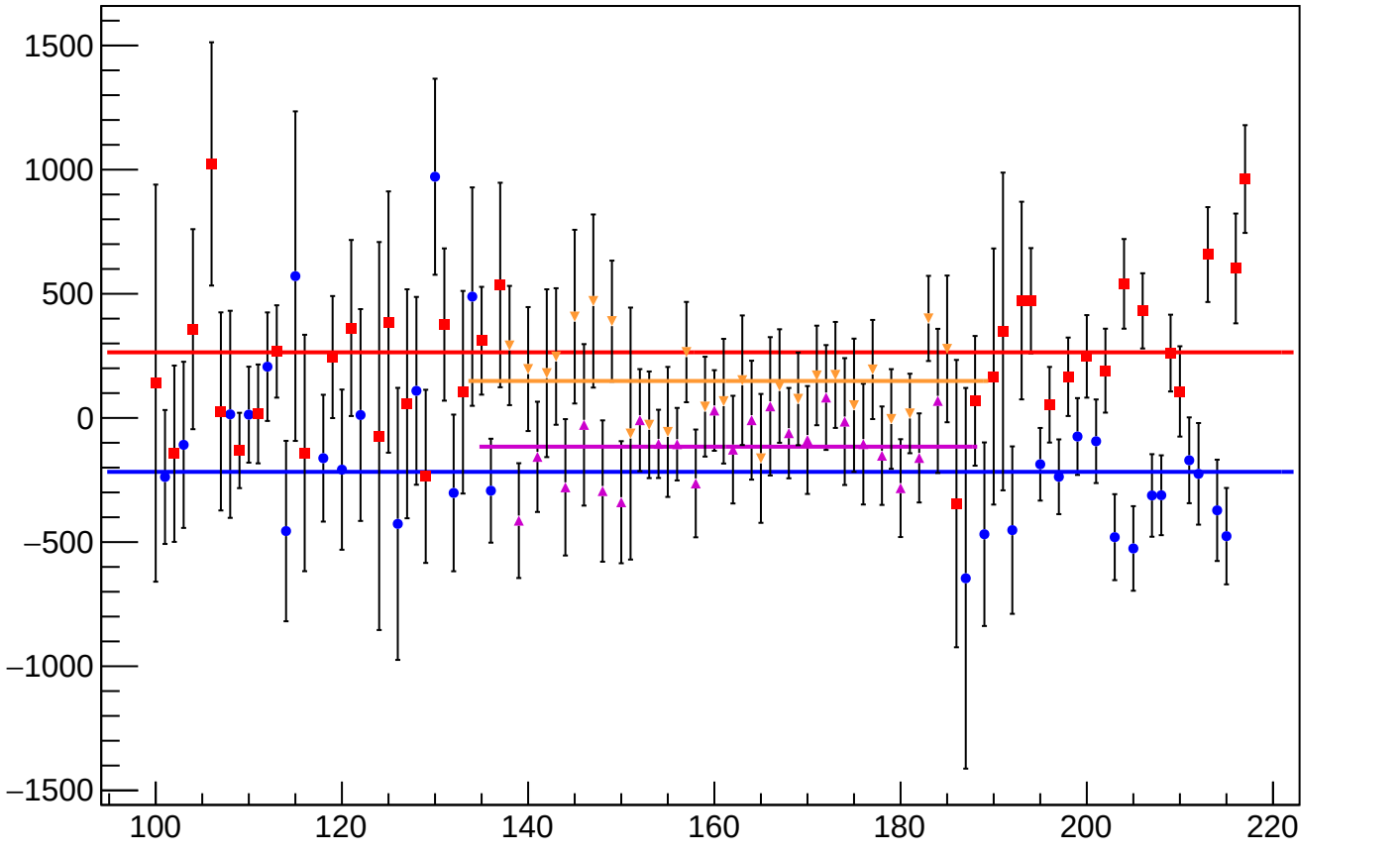
Right Out: 10.733+/-0.002 χ^2/NDF: 296811.6/35

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.018+/-0.001 χ^2/NDF: 459638.6/55

All: 11.012+/-0.001 χ^2/NDF: 986823.5/114

- sign 11.006+/-0.001 χ^2/NDF: 527139.5/58



Right In: -217.111+/-40.570 χ^2/NDF: 31.9/30

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 264.321+/-39.629 χ^2/NDF: 43.3/35

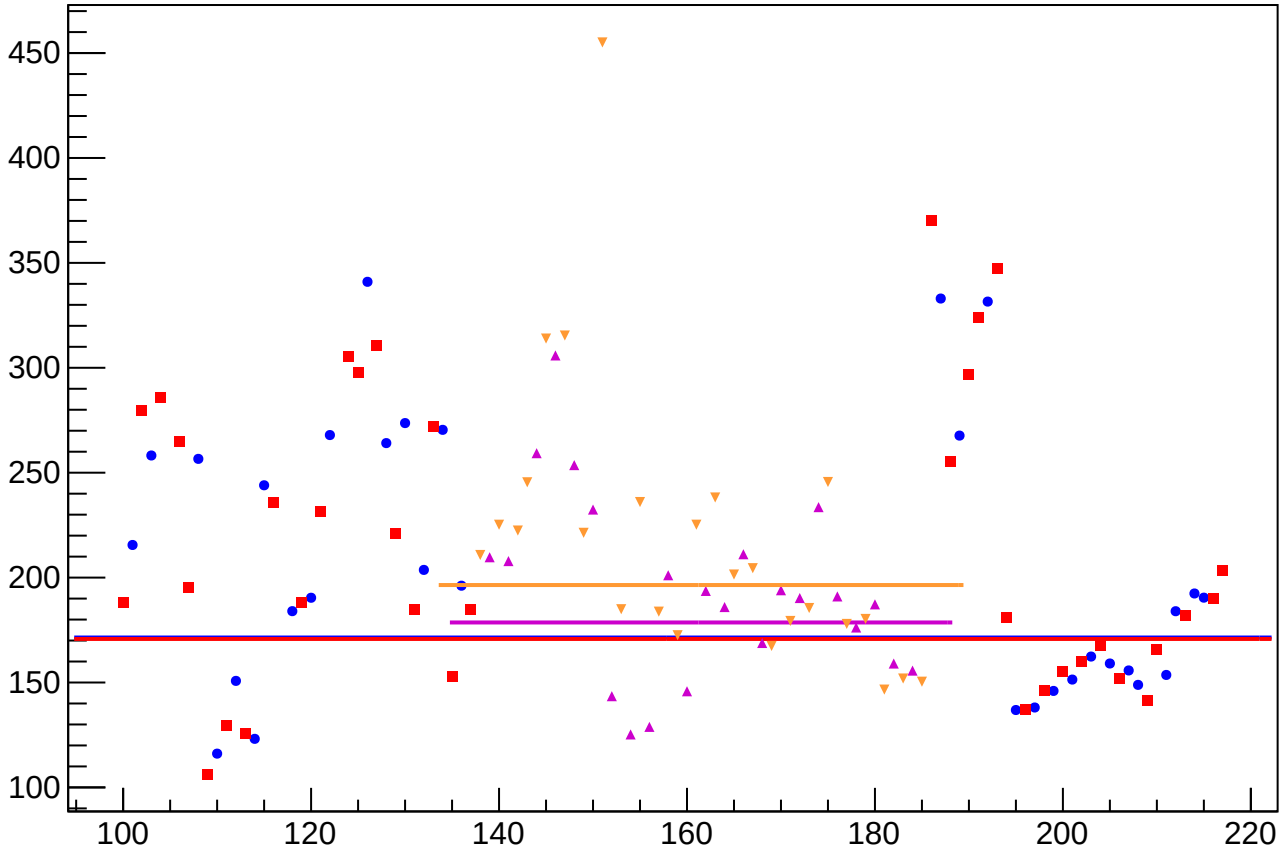
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

\+ sign -58.166+/-30.515 χ^2/NDF: 77.7/55

All: 20.167+/-21.149 χ^2/NDF: 183.0/114

\- sign 92.573+/-29.338 χ^2/NDF: 92.6/58

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 171.441+/-0.029 χ^2/NDF: 2332243.7/30

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

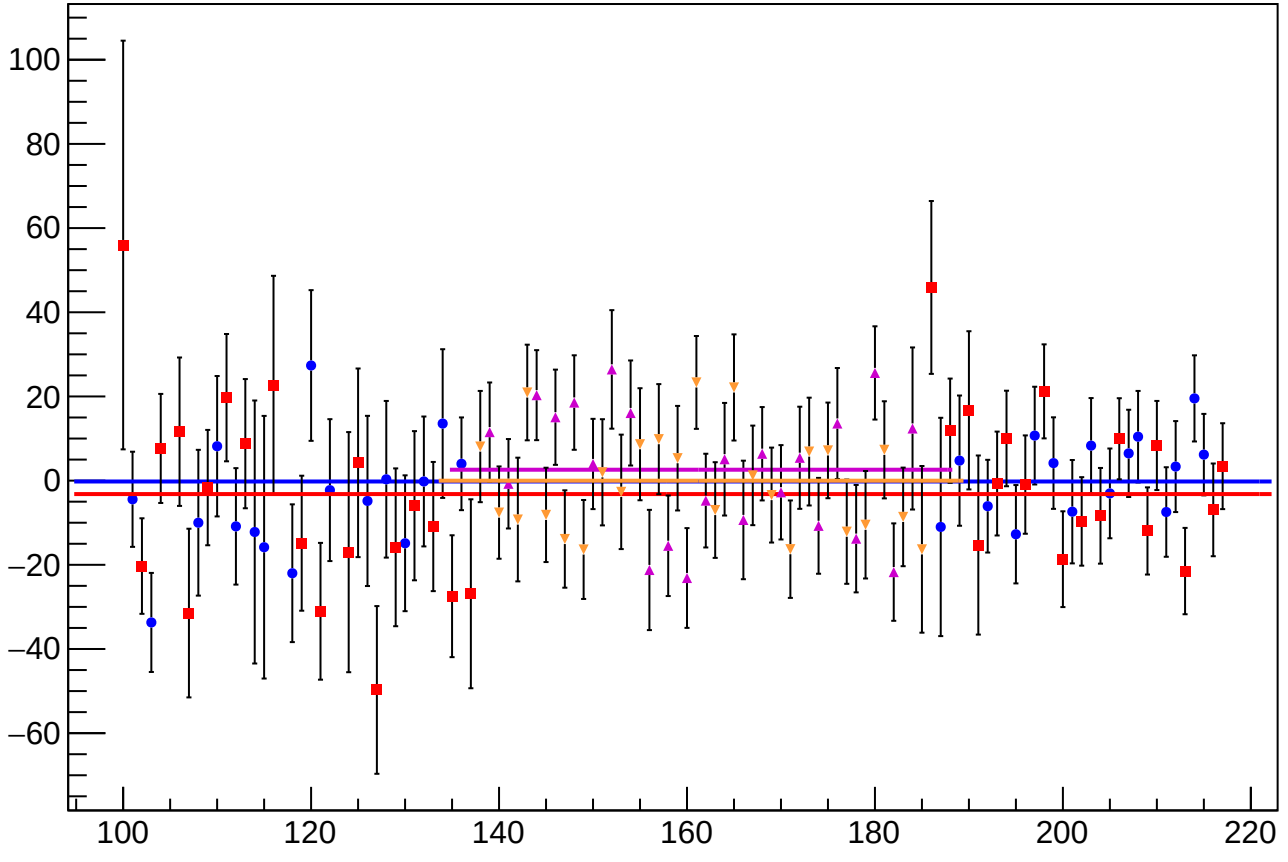
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.303+/-0.022 χ^2/NDF: 4481149.3/55

All: 178.150+/-0.015 χ^2/NDF: 9339237.7/114

- sign 174.312+/-0.021 χ^2/NDF: 4786809.8/58

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -0.204+/-2.356 χ^2/NDF: 25.4/30

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

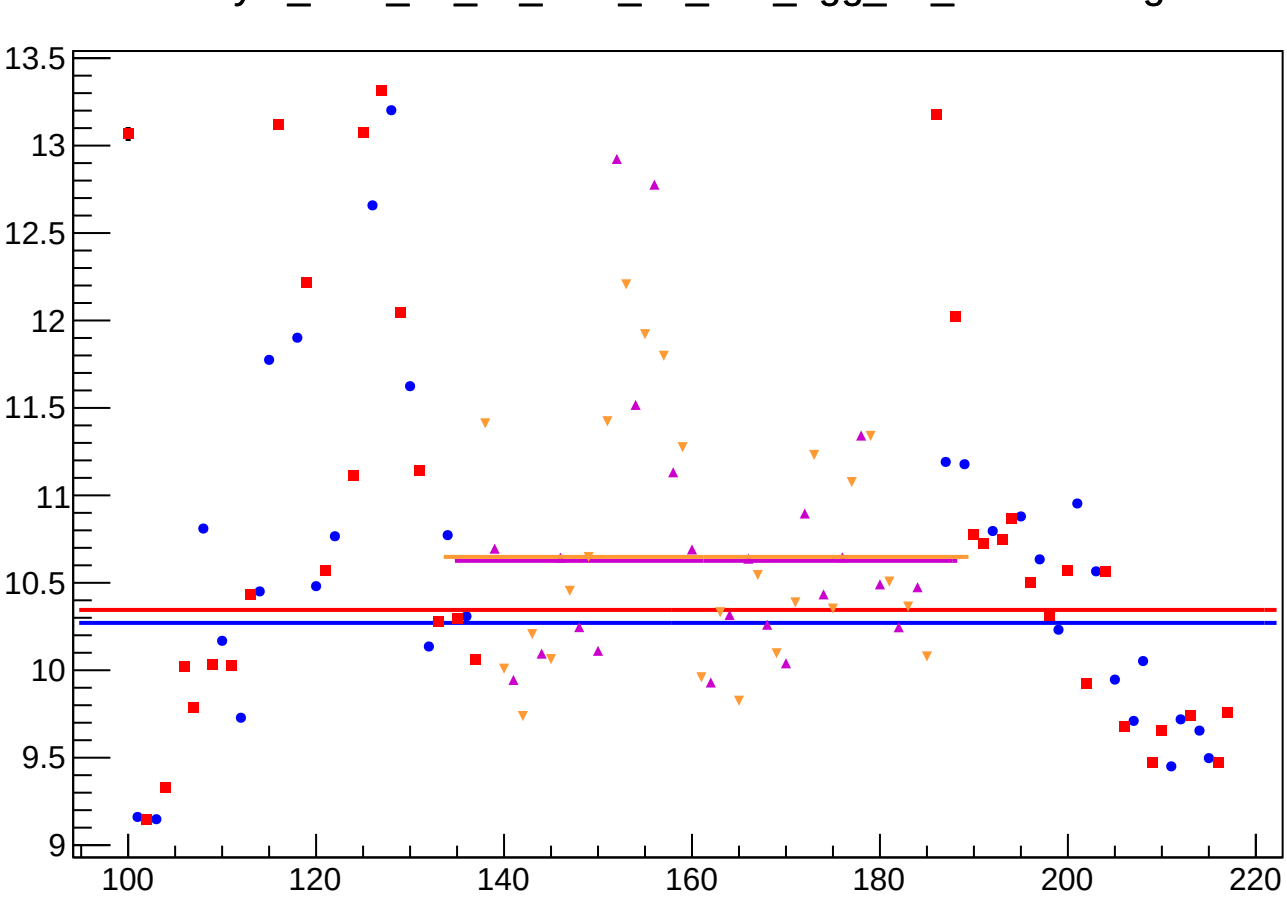
Right Out: -3.194+/-2.293 χ^2/NDF: 49.7/35

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.114+/-1.696 χ^2/NDF: 49.2/55

All: -0.336+/-1.198 χ^2/NDF: 136.6/114

- sign -0.558+/-1.692 χ^2/NDF: 87.4/58



Right In: 10.271+/-0.002 χ^2/NDF: 237031.1/30

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

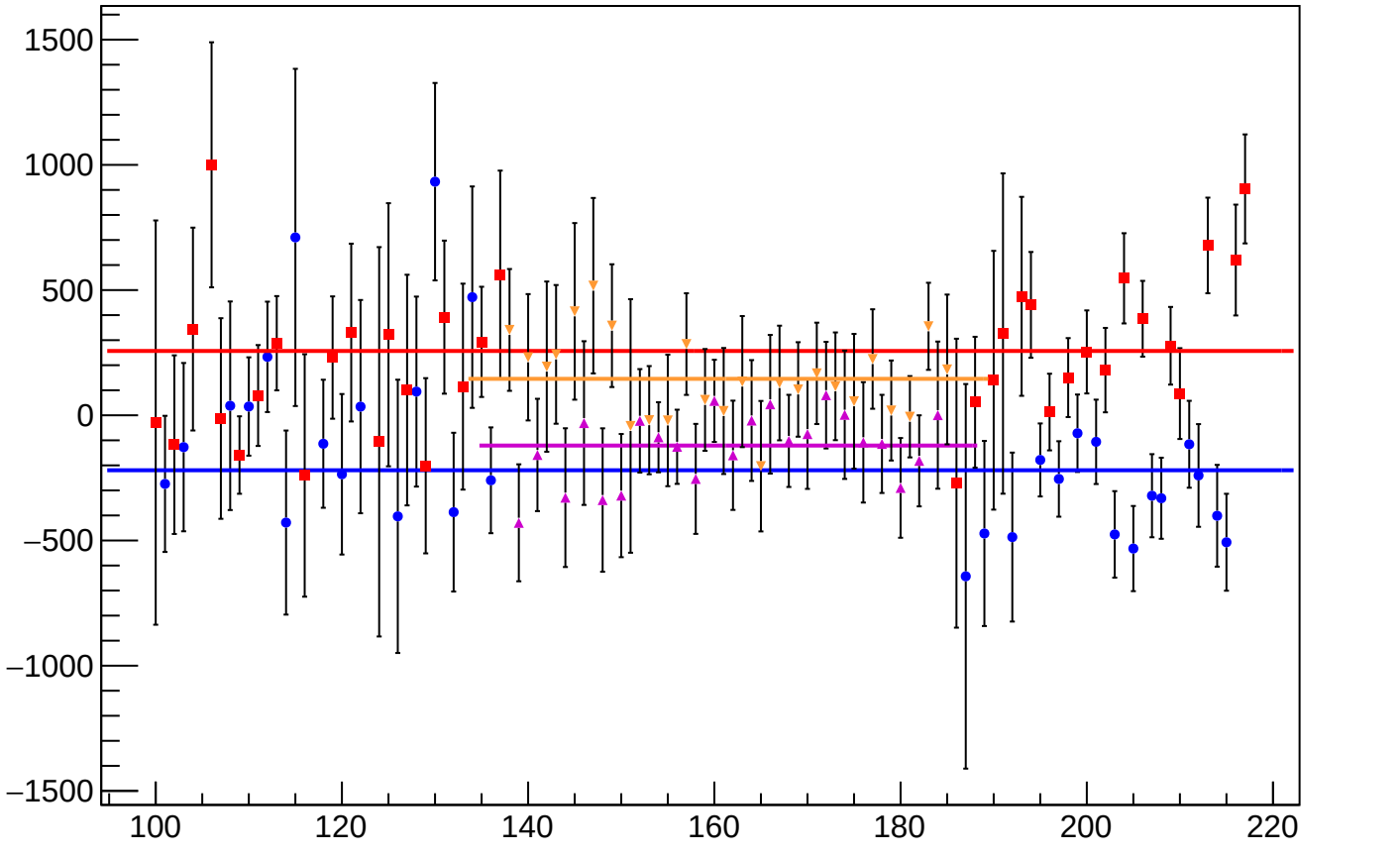
Right Out: 10.345+/-0.002 χ^2/NDF: 338487.8/35

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

\+ sign 10.453+/-0.001 χ^2/NDF: 405284.4/55

All: 10.463+/-0.001 χ^2/NDF: 917113.7/114

\- sign 10.473+/-0.001 χ^2/NDF: 511684.8/58



Right In: -219.503+/-40.643 χ^2/NDF: 34.0/30

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 256.854+/-39.739 χ^2/NDF: 42.5/35

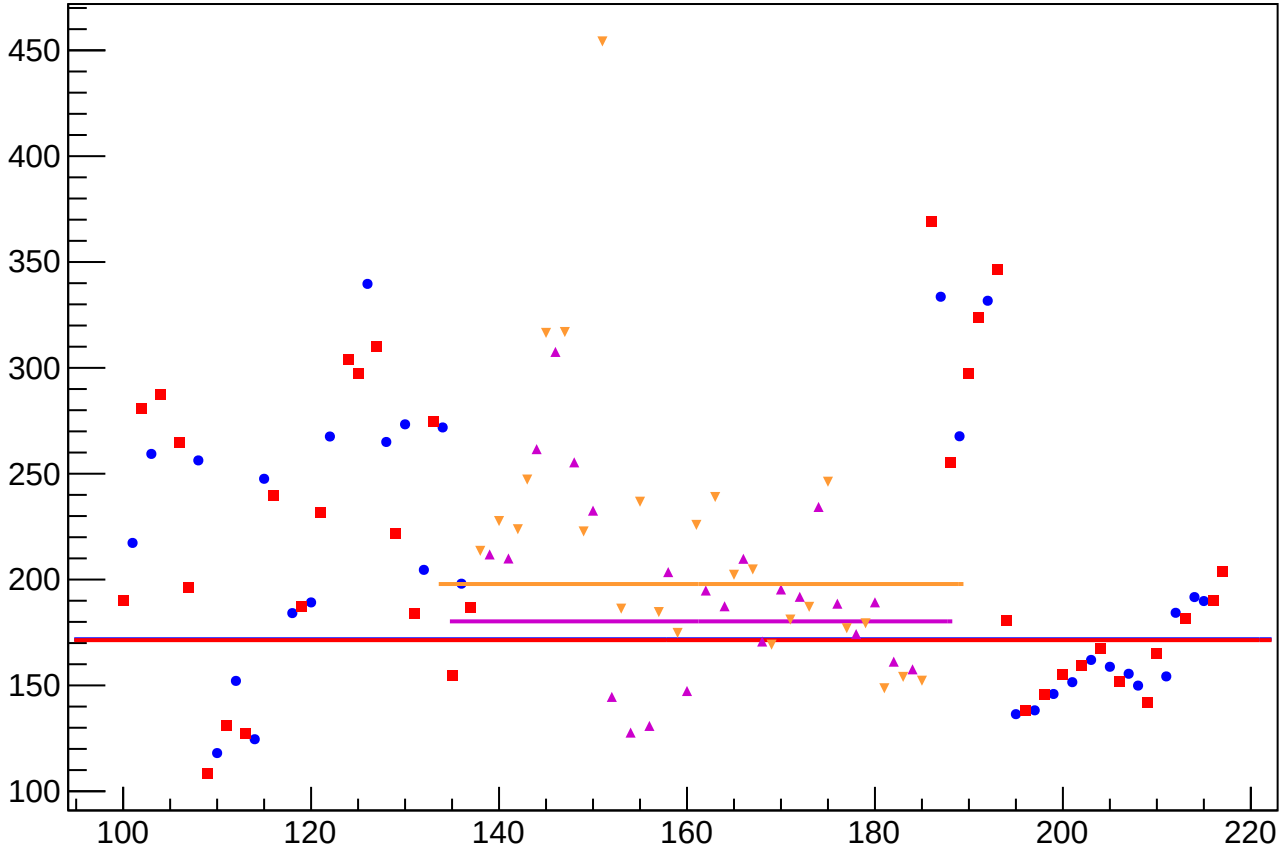
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign -61.840+/-30.634 χ^2/NDF: 79.1/55

All: 15.480+/-21.245 χ^2/NDF: 182.7/114

\- sign 87.133+/-29.489 χ^2/NDF: 91.3/58

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.787+/-0.029 χ^2/NDF: 2320464.3/30

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

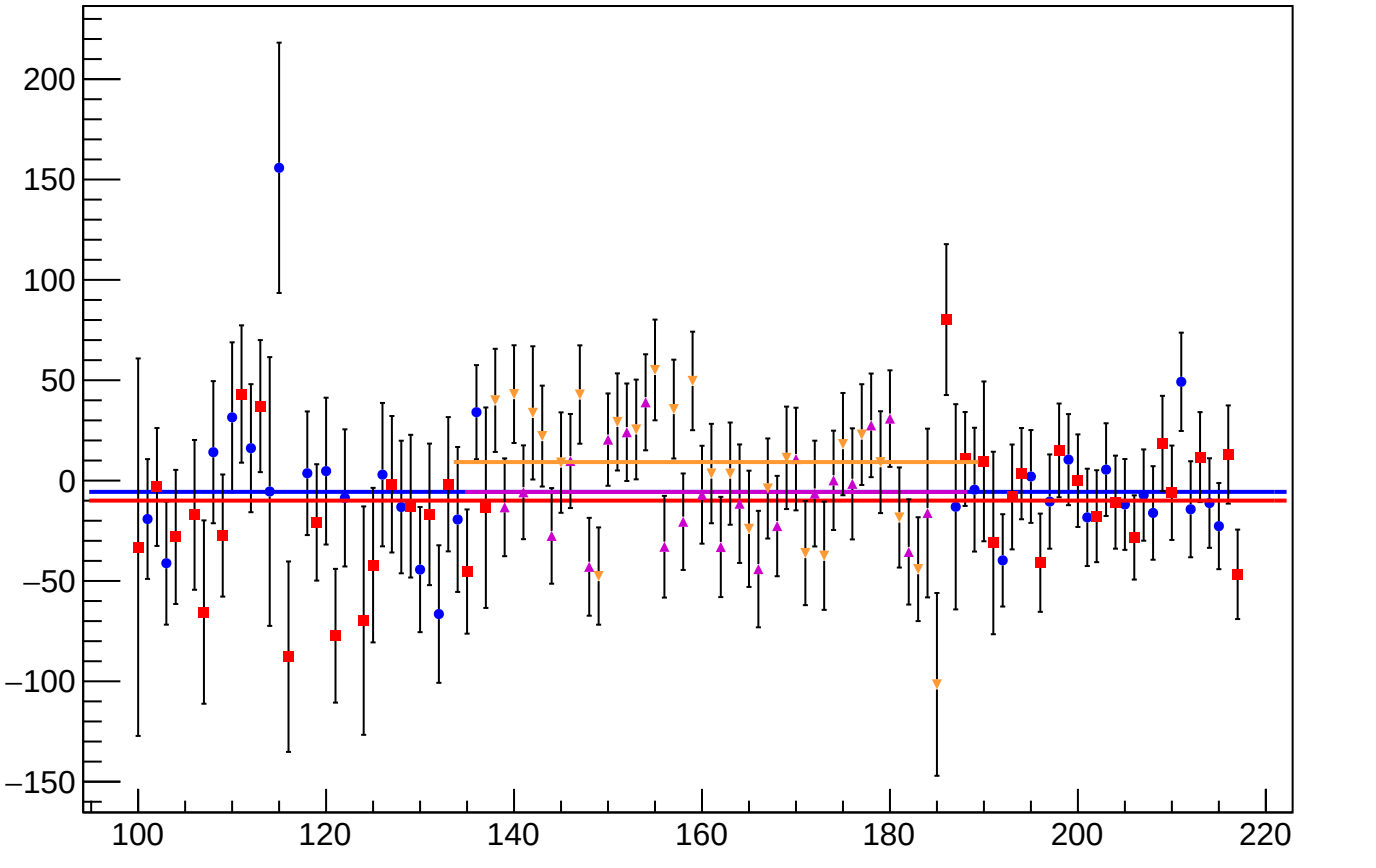
Right Out: 171.381+/-0.028 χ^2/NDF: 3019314.1/35

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.061+/-0.022 χ^2/NDF: 4465612.8/55

All: 179.067+/-0.015 χ^2/NDF: 9222956.8/114

- sign 175.365+/-0.021 χ^2/NDF: 4691827.0/58



Right In: -5.609+/-5.010 χ^2/NDF: 27.5/30

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -9.968+/-4.864 χ^2/NDF: 34.1/35

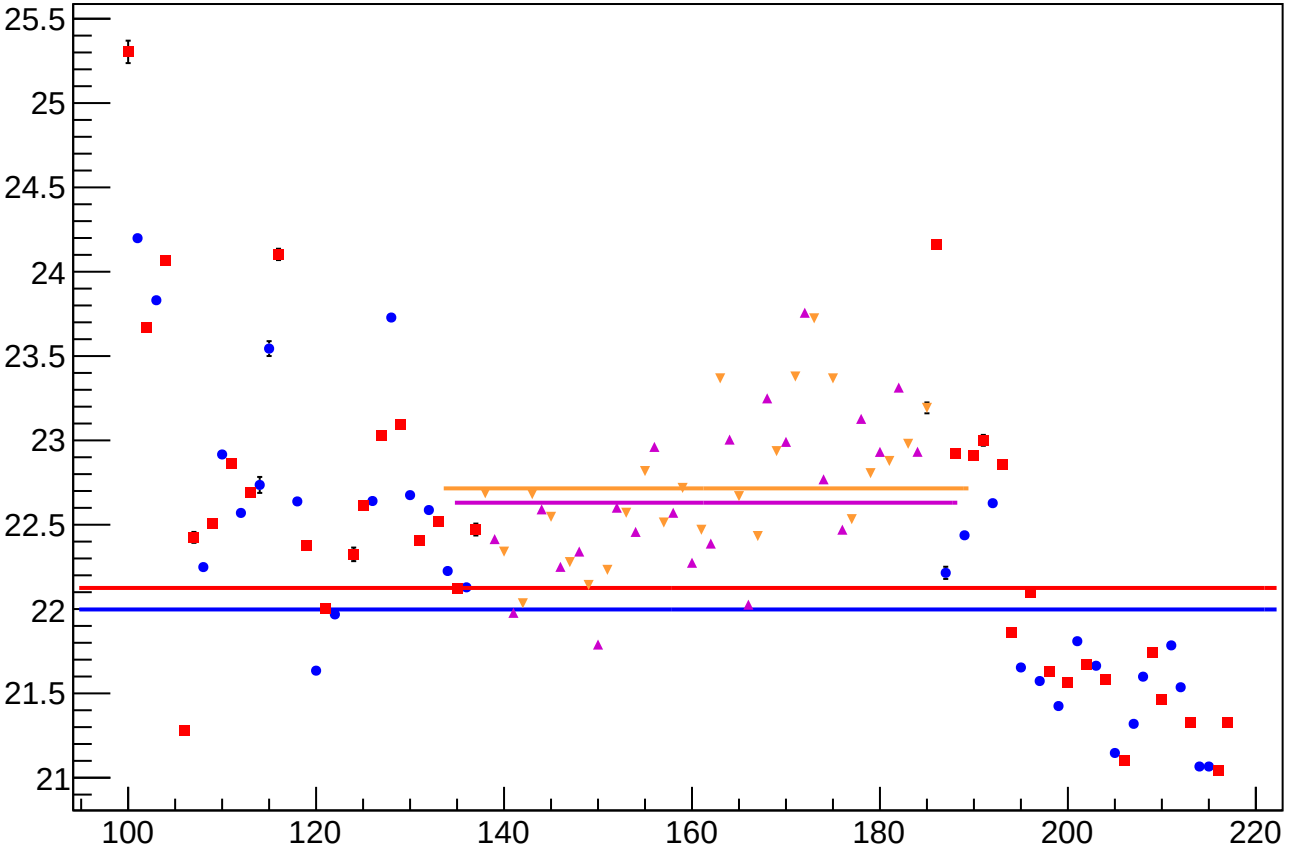
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.590+/-3.595 χ^2/NDF: 71.2/55

All: -3.224+/-2.537 χ^2/NDF: 130.0/114

- sign -7.996+/-3.579 χ^2/NDF: 55.2/58

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.998+/-0.004 χ^2/NDF: 48542.1/30

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.125+/-0.003 χ^2/NDF: 56347.5/35

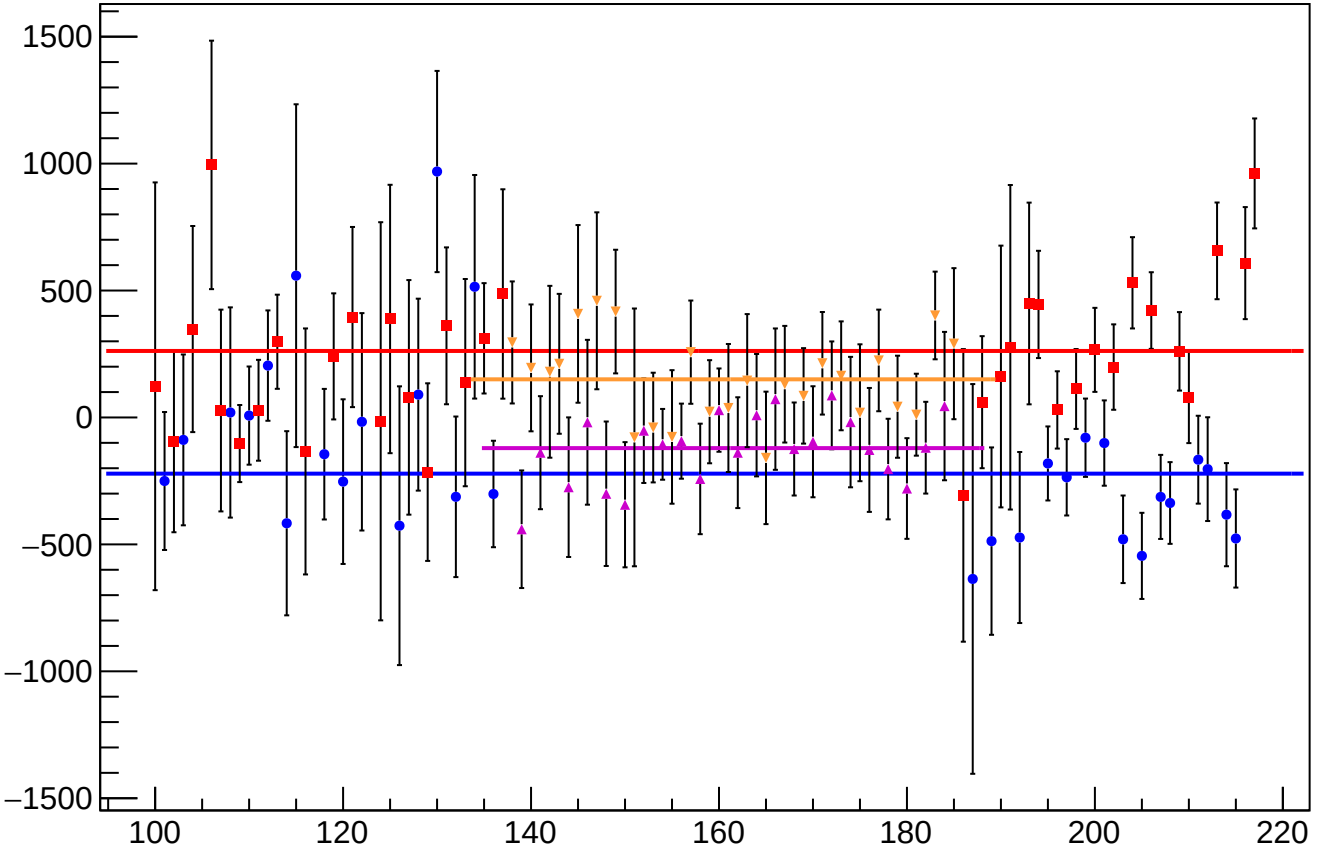
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.346+/-0.003 χ^2/NDF: 80638.9/55

All: 22.351+/-0.002 χ^2/NDF: 162287.9/114

- sign 22.357+/-0.003 χ^2/NDF: 81639.4/58

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -221.343+/-40.527 χ^2/NDF: 32.6/30

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 261.969+/-39.578 χ^2/NDF: 41.9/35

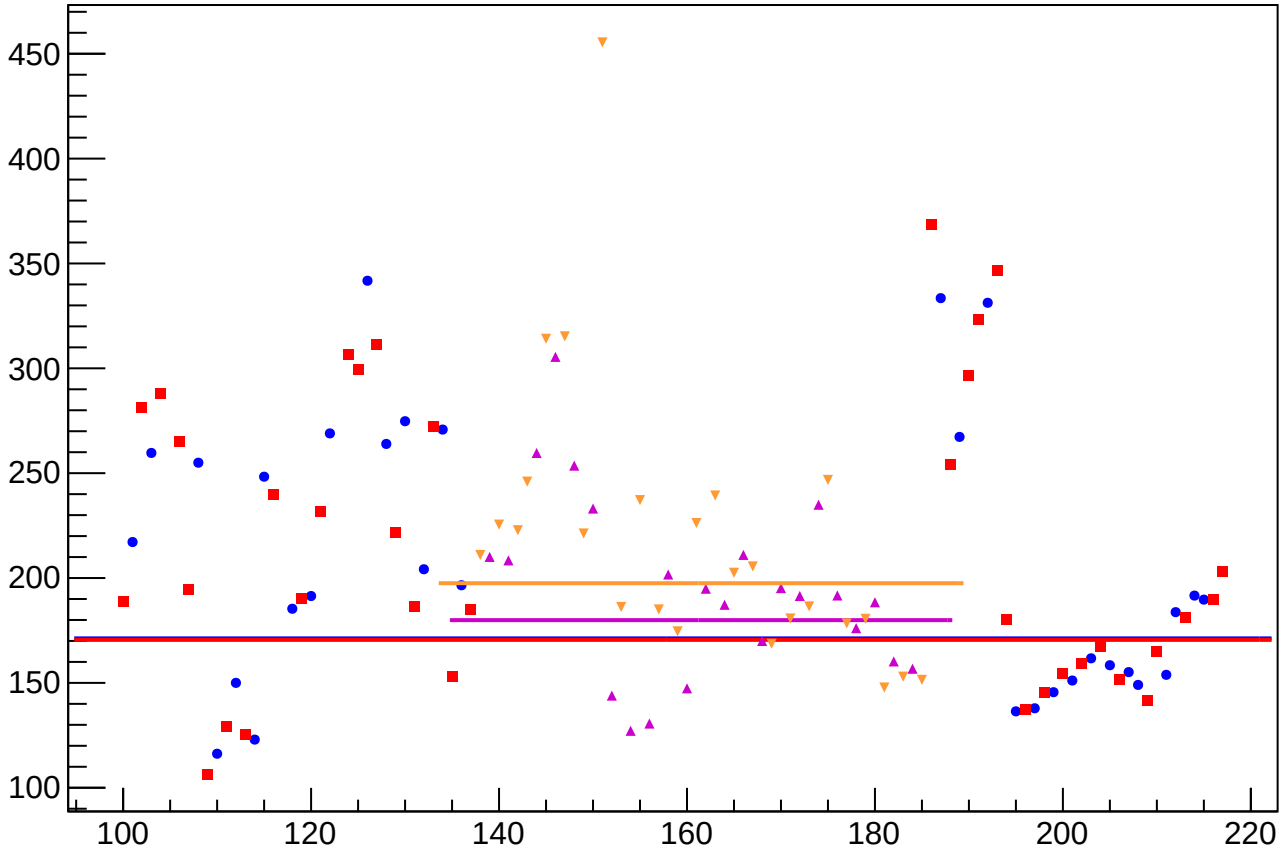
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -61.082+/-30.562 χ^2/NDF: 79.8/55

All: 17.618+/-21.188 χ^2/NDF: 184.3/114

- sign 90.455+/-29.401 χ^2/NDF: 91.7/58

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.215+/-0.029 χ^2/NDF: 2353108.2/30

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 170.516+/-0.028 χ^2/NDF: 3091700.9/35

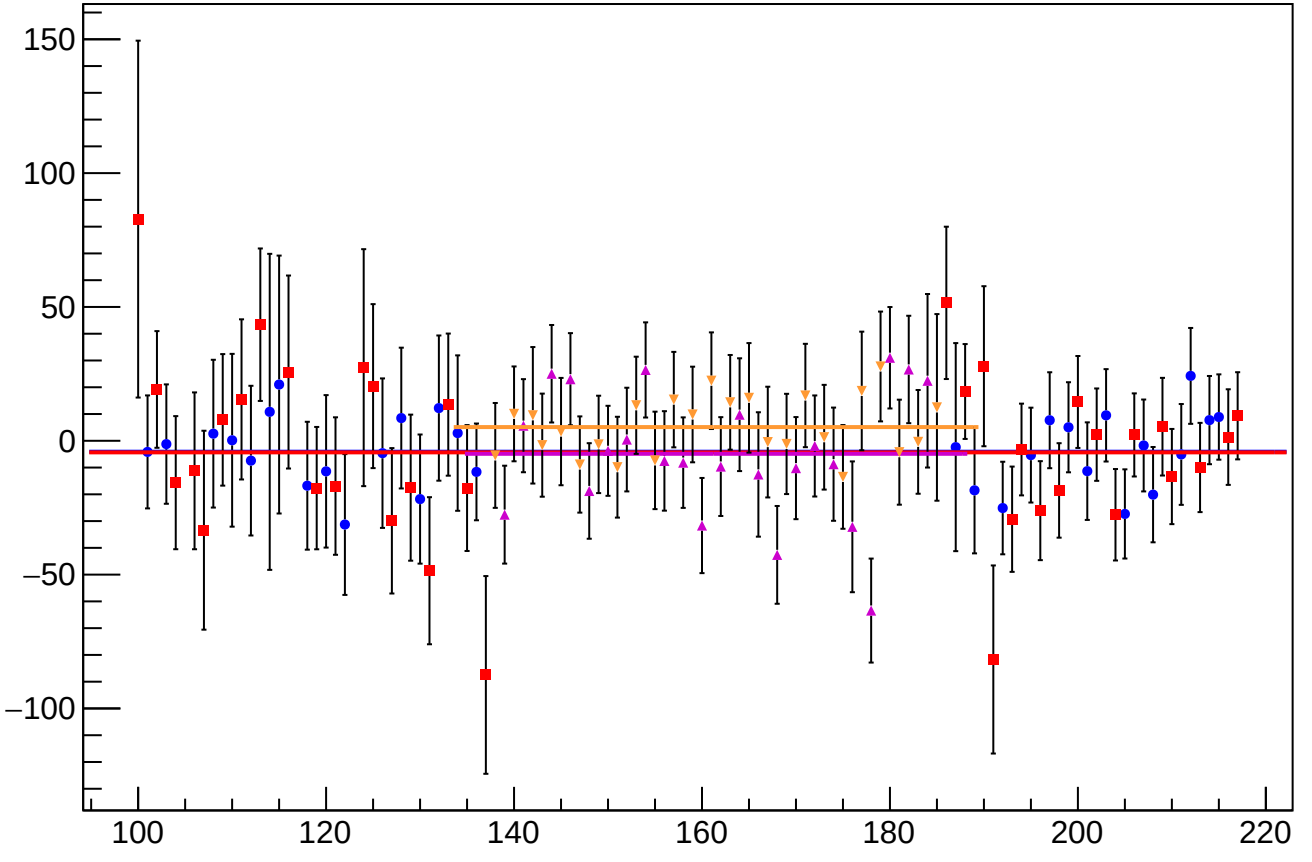
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.567+/-0.022 χ^2/NDF: 4506815.0/55

All: 178.498+/-0.015 χ^2/NDF: 9341572.2/114

- sign 174.732+/-0.021 χ^2/NDF: 4766486.3/58

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -4.081+/-3.815 χ^2/NDF: 13.0/30

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

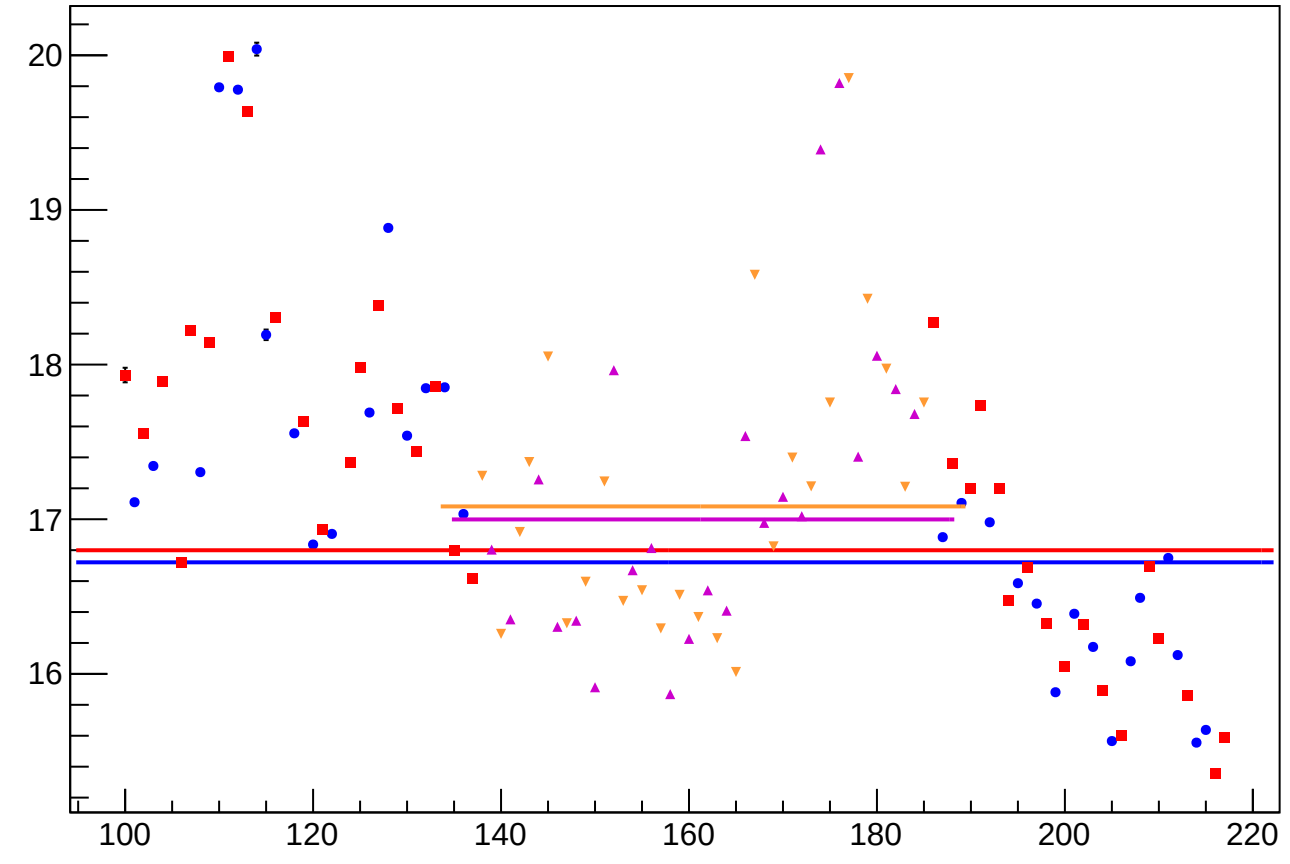
Right Out: -4.325+/-3.699 χ^2/NDF: 39.2/35

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.429+/-2.724 χ^2/NDF: 23.8/55

All: -2.084+/-1.921 χ^2/NDF: 100.3/114

- sign -4.572+/-2.710 χ^2/NDF: 74.8/58



Right In: 16.721+/-0.003 χ^2/NDF: 124673.9/30

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

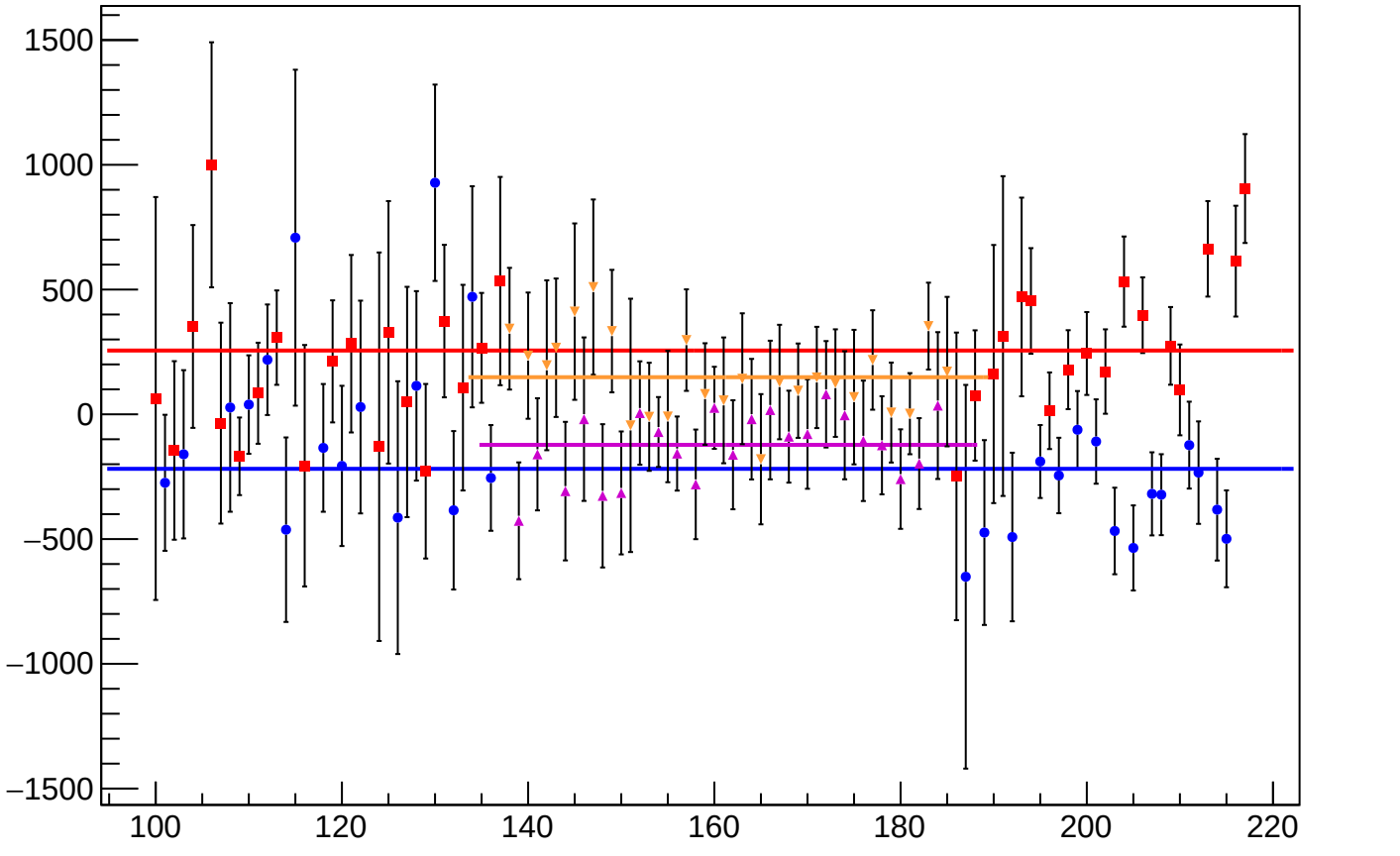
Right Out: 16.799+/-0.003 χ^2/NDF: 148883.3/35

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.899+/-0.002 χ^2/NDF: 230253.7/55

All: 16.895+/-0.001 χ^2/NDF: 485853.4/114

- sign 16.892+/-0.002 χ^2/NDF: 255593.5/58



Right In: -218.497+/-40.765 χ^2/NDF: 33.2/30

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

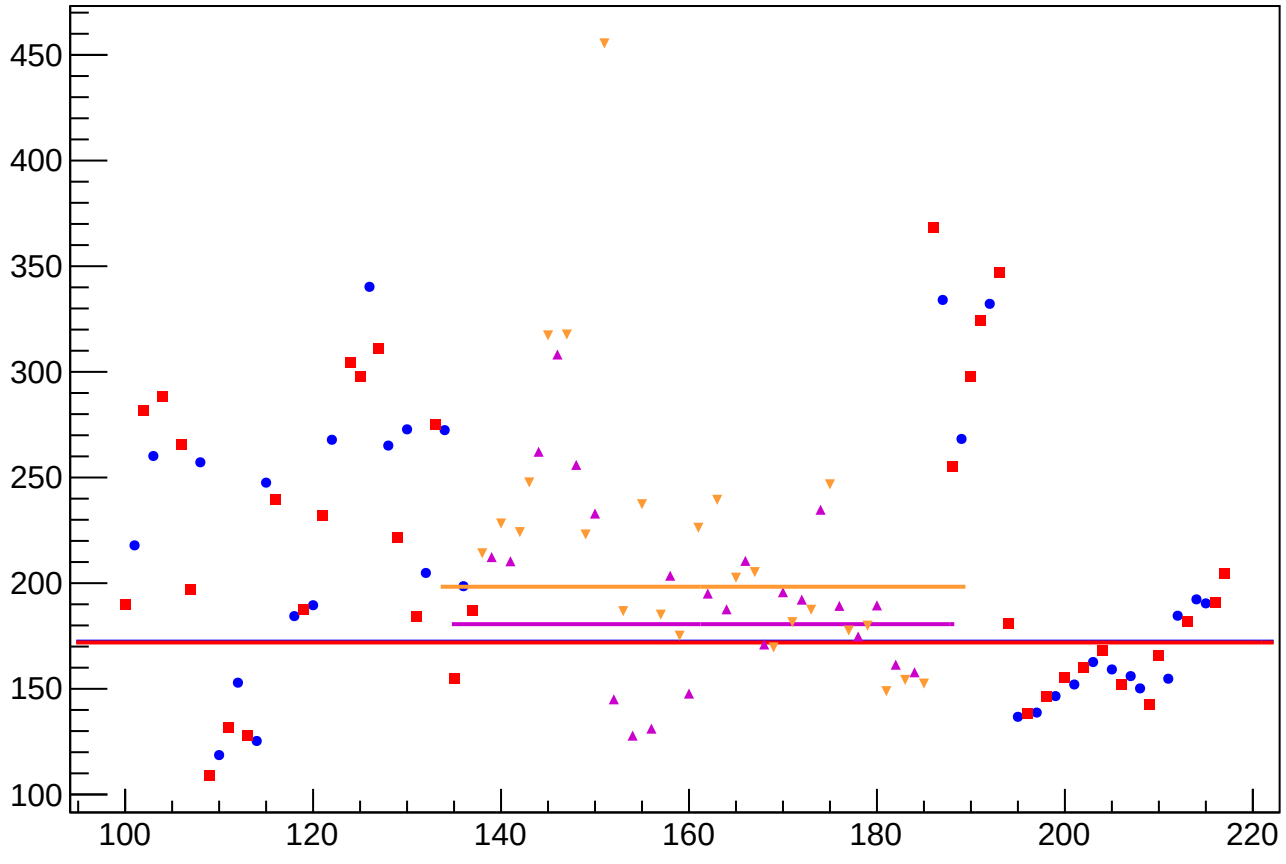
Right Out: 255.640+/-39.857 χ^2/NDF: 41.8/35

Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -59.728+/-30.715 χ^2/NDF: 77.8/55

All: 15.712+/-21.300 χ^2/NDF: 179.6/114

\- sign 85.606+/-29.564 χ^2/NDF: 90.2/58



Right In: 172.335+/-0.029 χ^2/NDF: 2307683.7/30

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

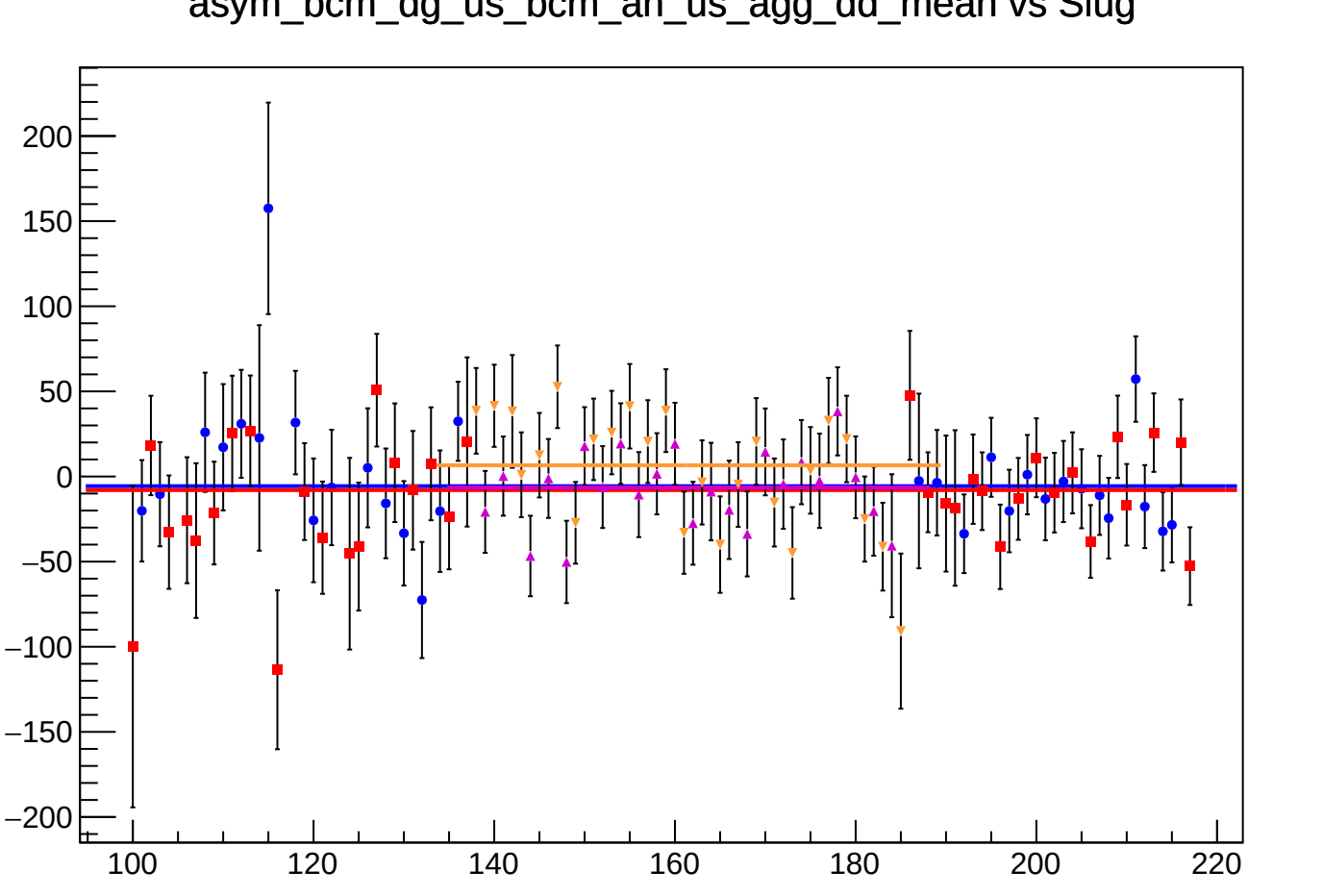
Right Out: 171.934+/-0.028 χ^2/NDF: 3001065.9/35

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.566+/-0.022 χ^2/NDF: 4449080.6/55

All: 179.552+/-0.015 χ^2/NDF: 9186579.1/114

- sign 175.832+/-0.021 χ^2/NDF: 4671683.7/58



Right In: -5.659+/-5.055 χ^2/NDF: 31.6/30

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -7.993+/-4.896 χ^2/NDF: 32.5/35

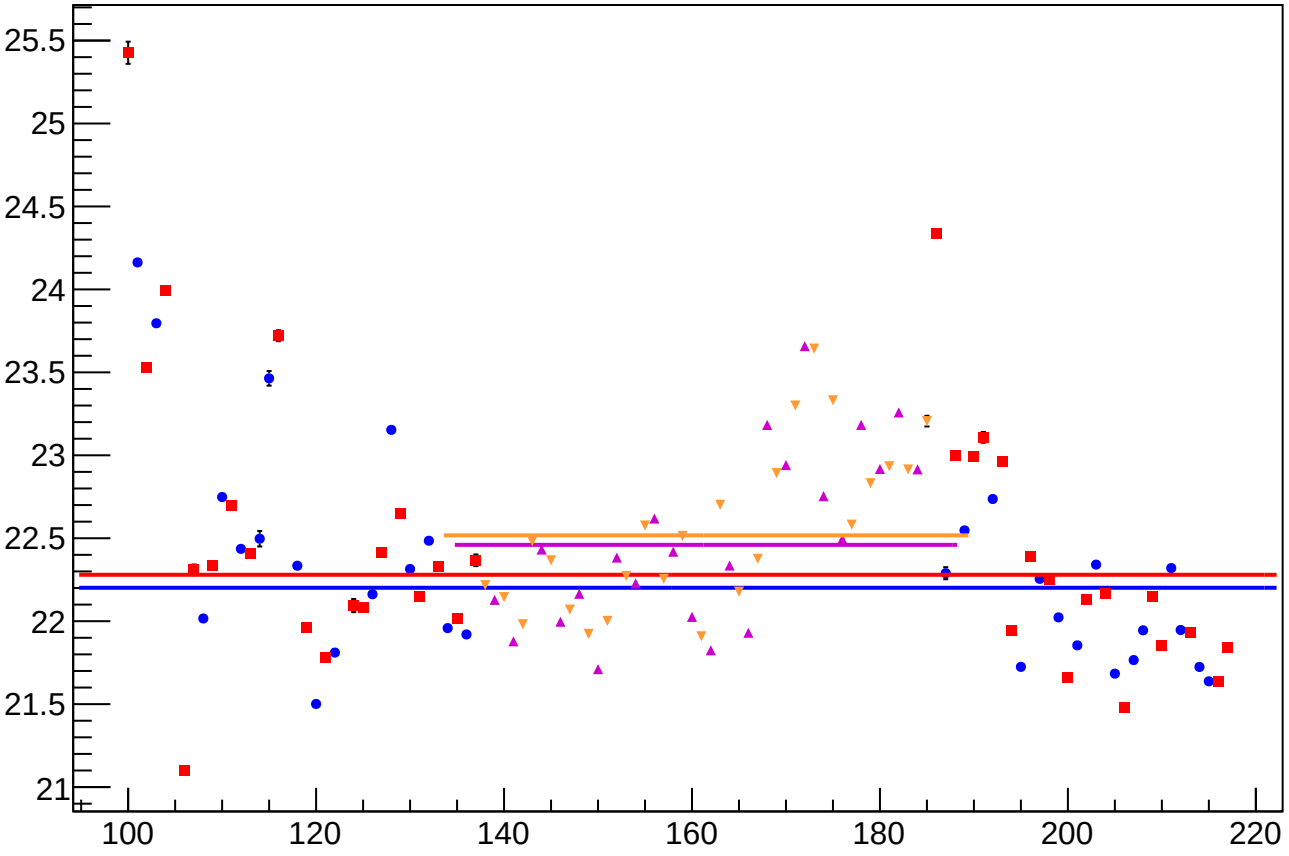
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.402+/-3.596 χ^2/NDF: 71.4/55

All: -3.462+/-2.537 χ^2/NDF: 123.7/114

- sign -7.290+/-3.580 χ^2/NDF: 50.0/58

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.202+/-0.004 χ^2/NDF: 26050.2/30

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

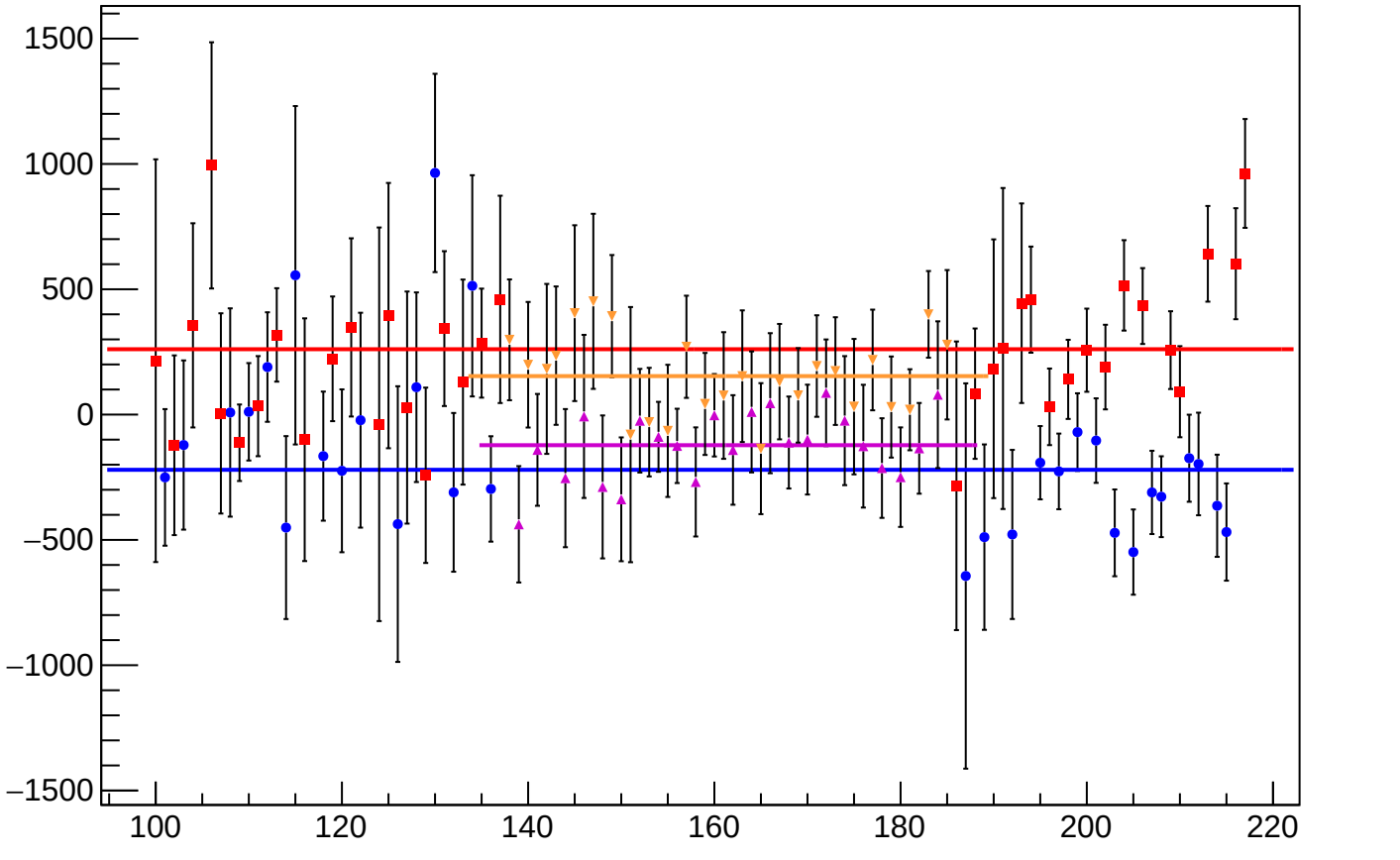
Right Out: 22.280+/-0.003 χ^2/NDF: 35171.8/35

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.358+/-0.003 χ^2/NDF: 45909.7/55

All: 22.361+/-0.002 χ^2/NDF: 101466.2/114

- sign 22.364+/-0.003 χ^2/NDF: 55553.4/58



Right In: -220.358+/-40.650 χ^2/NDF: 31.8/30

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

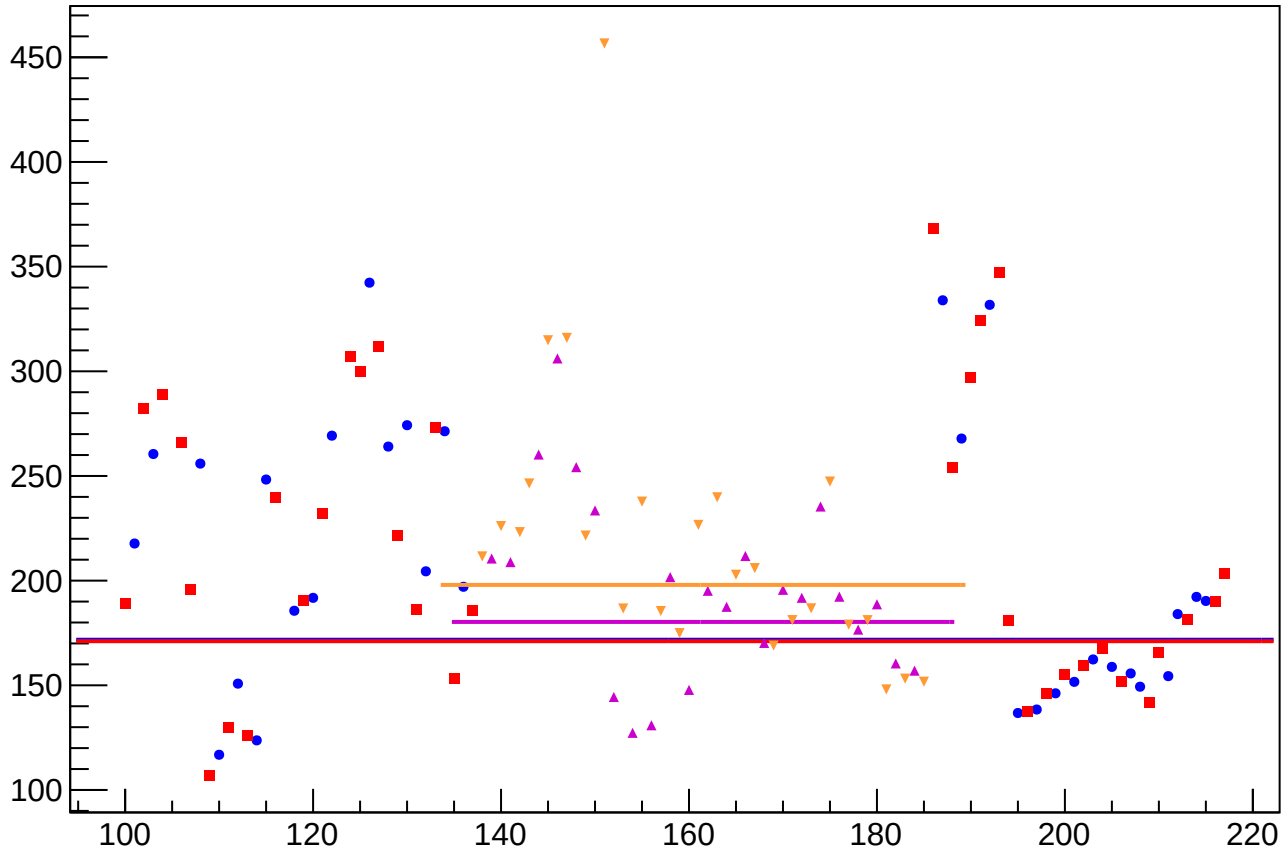
Right Out: 260.791+/-39.697 χ^2/NDF: 41.2/35

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign -58.943+/-30.643 χ^2/NDF: 78.4/55

All: 17.886+/-21.243 χ^2/NDF: 181.0/114

\- sign 88.975+/-29.476 χ^2/NDF: 90.5/58



Right In: 171.767+/-0.029 χ^2/NDF: 2339826.8/30

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 171.074+/-0.028 χ^2/NDF: 3072547.0/35

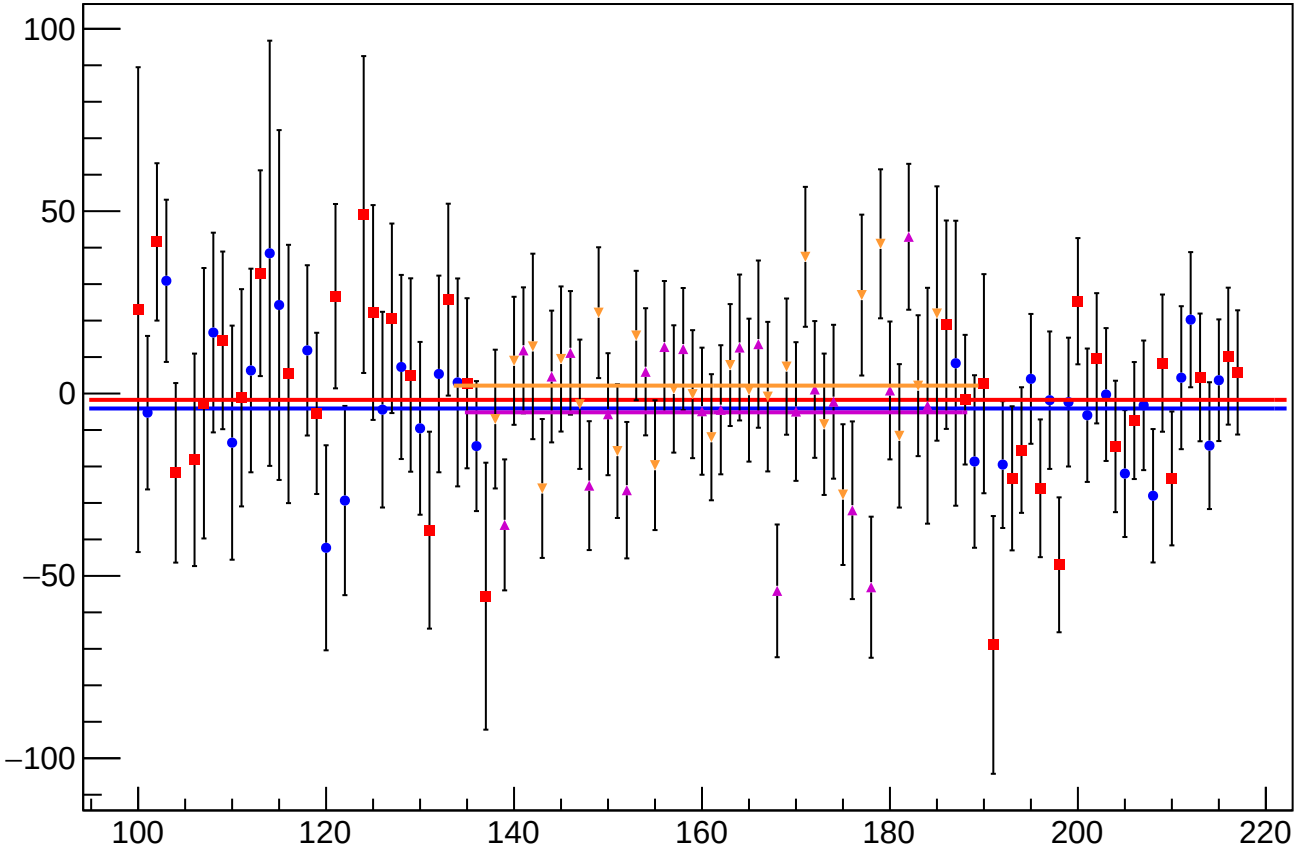
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 183.075+/-0.022 χ^2/NDF: 4489612.6/55

All: 178.985+/-0.015 χ^2/NDF: 9303616.3/114

- sign 175.202+/-0.021 χ^2/NDF: 4745431.8/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: -4.103+/-3.878 χ^2/NDF: 15.0/30

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -1.733+/-3.749 χ^2/NDF: 35.8/35

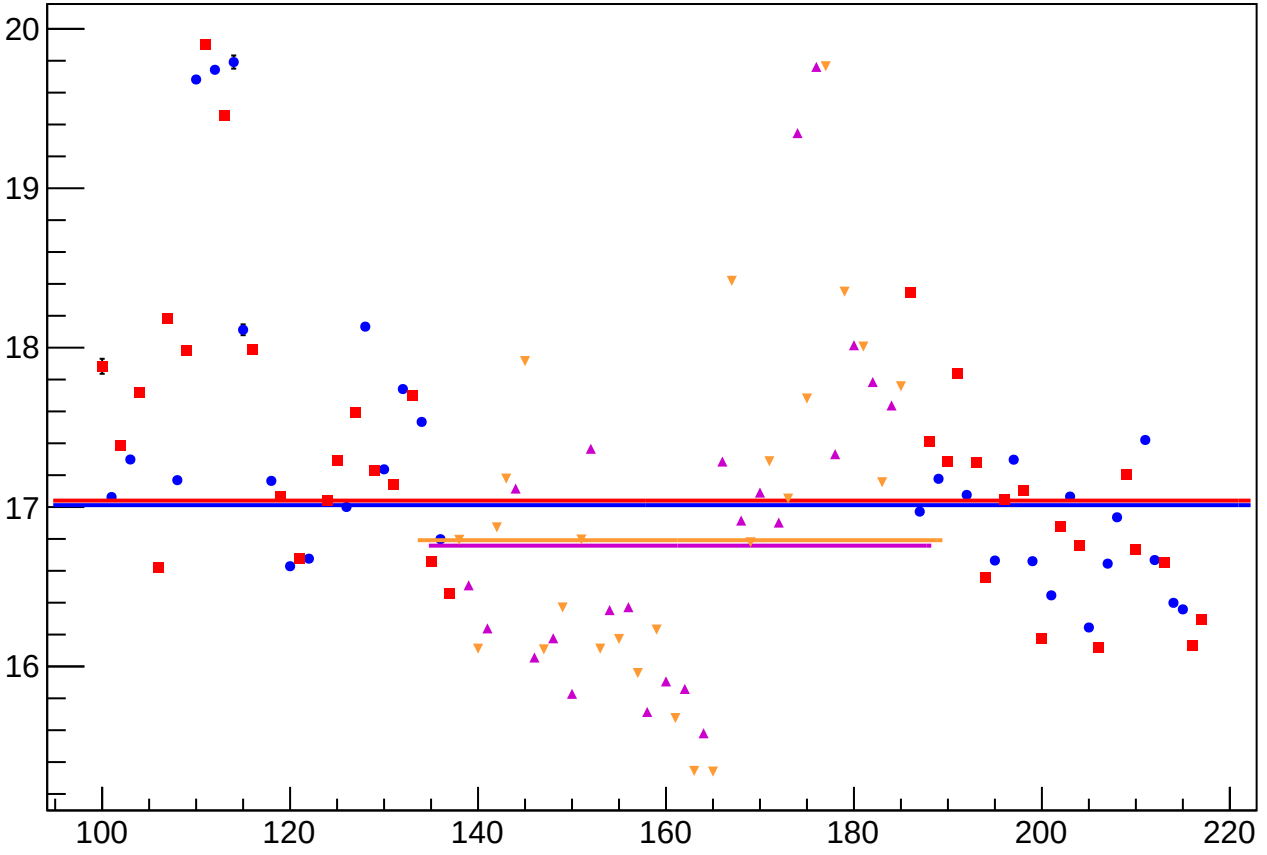
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.921+/-2.723 χ^2/NDF: 36.3/55

All: -2.148+/-1.921 χ^2/NDF: 105.2/114

- sign -3.364+/-2.711 χ^2/NDF: 68.5/58

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.012+/-0.003 χ^2/NDF: 62308.4/30

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

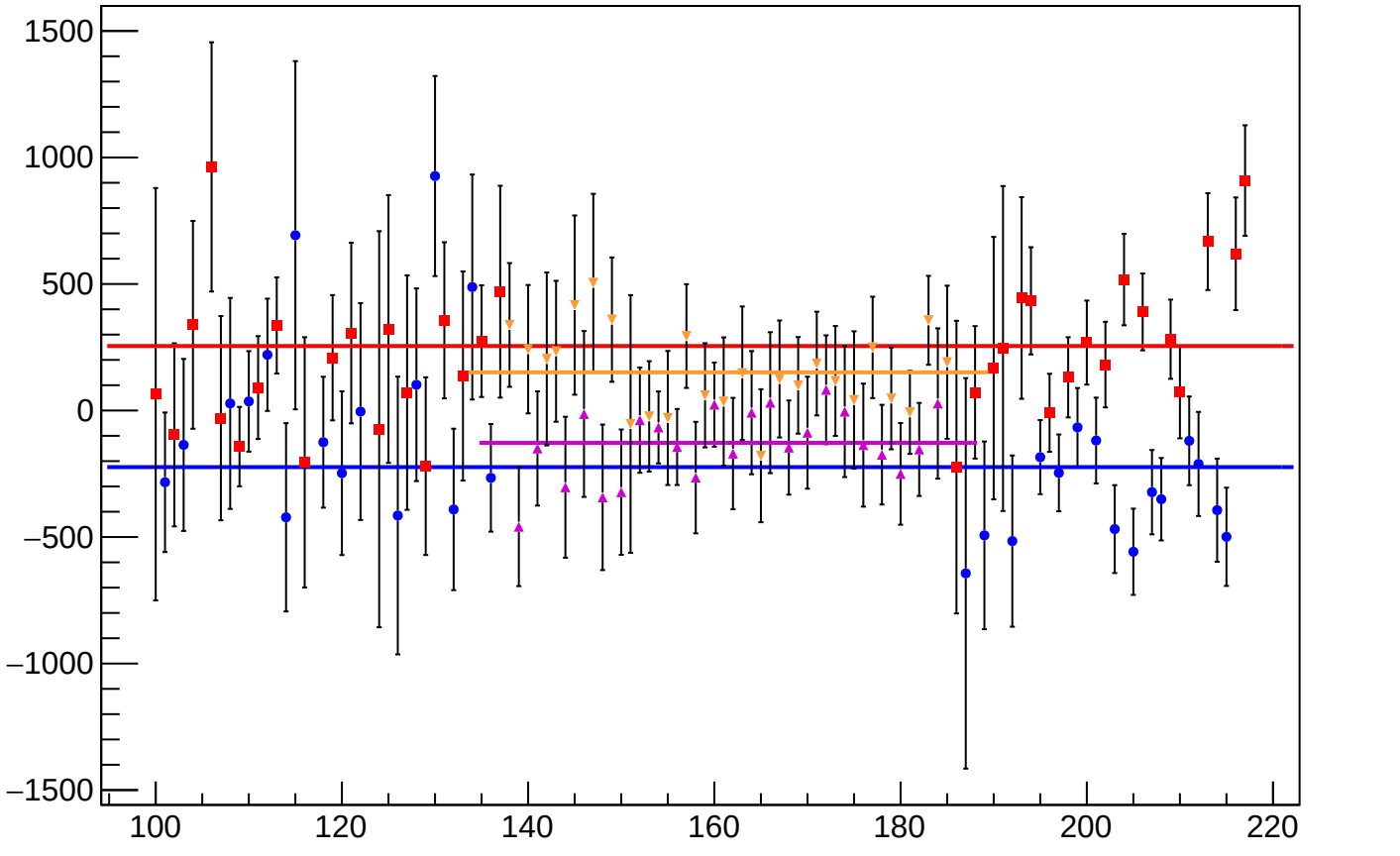
Right Out: 17.040+/-0.003 χ^2/NDF: 76658.4/35

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.900+/-0.002 χ^2/NDF: 202568.8/55

All: 16.903+/-0.001 χ^2/NDF: 407963.3/114

\- sign 16.906+/-0.002 χ^2/NDF: 205391.0/58



Right In: -223.661+/-40.887 χ^2/NDF: 33.8/30

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

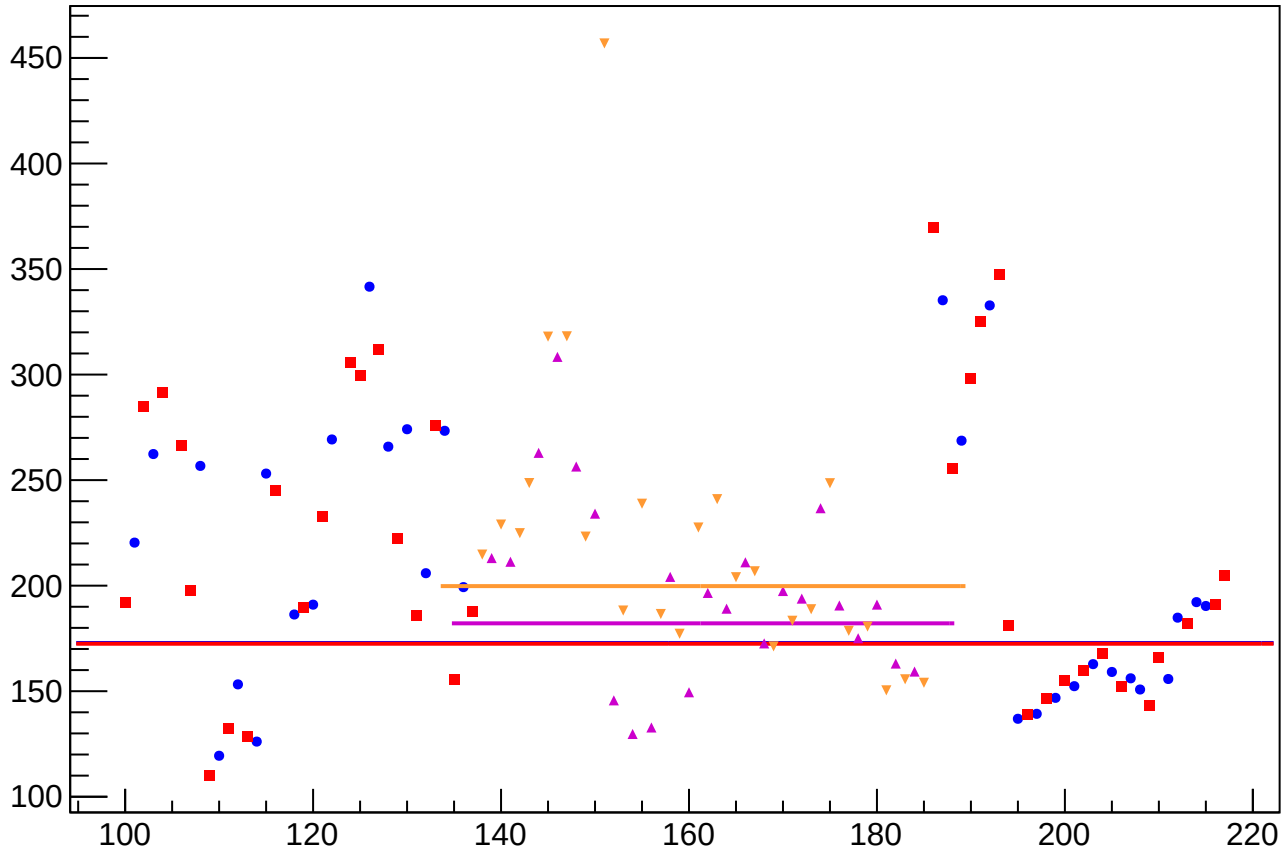
Right Out: 254.916+/-39.981 χ^2/NDF: 40.5/35

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -62.453+/-30.858 χ^2/NDF: 79.9/55

All: 13.371+/-21.406 χ^2/NDF: 180.9/114

- sign 83.699+/-29.718 χ^2/NDF: 89.4/58



Right In: 172.841+/-0.029 χ^2/NDF: 2314139.2/30

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

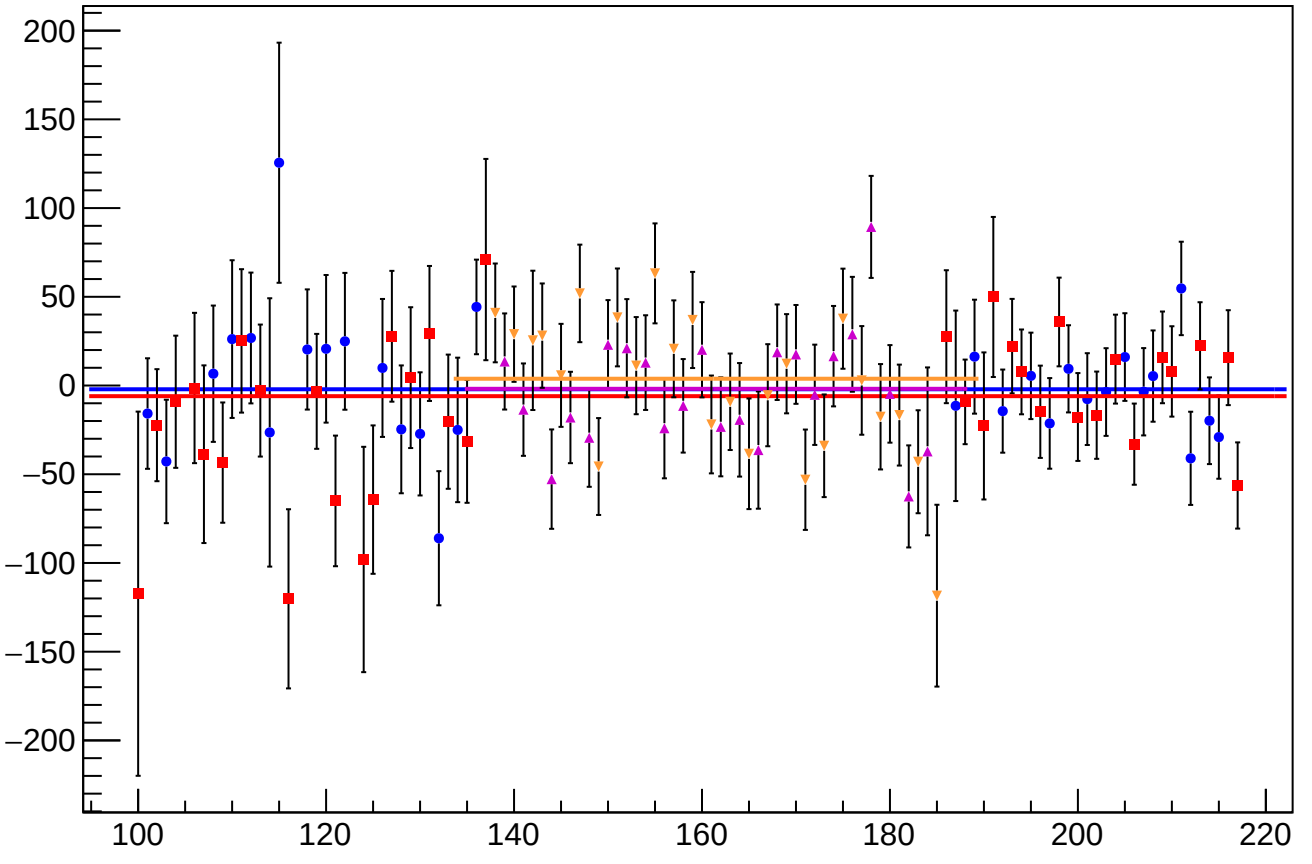
Right Out: 172.490+/-0.028 χ^2/NDF: 3002213.1/35

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.438+/-0.022 χ^2/NDF: 4448294.3/55

All: 180.482+/-0.015 χ^2/NDF: 9150479.1/114

- sign 176.812+/-0.021 χ^2/NDF: 4638824.1/58



Right In: -2.109+/-5.456 χ^2/NDF: 27.7/30

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -5.997+/-5.259 χ^2/NDF: 36.4/35

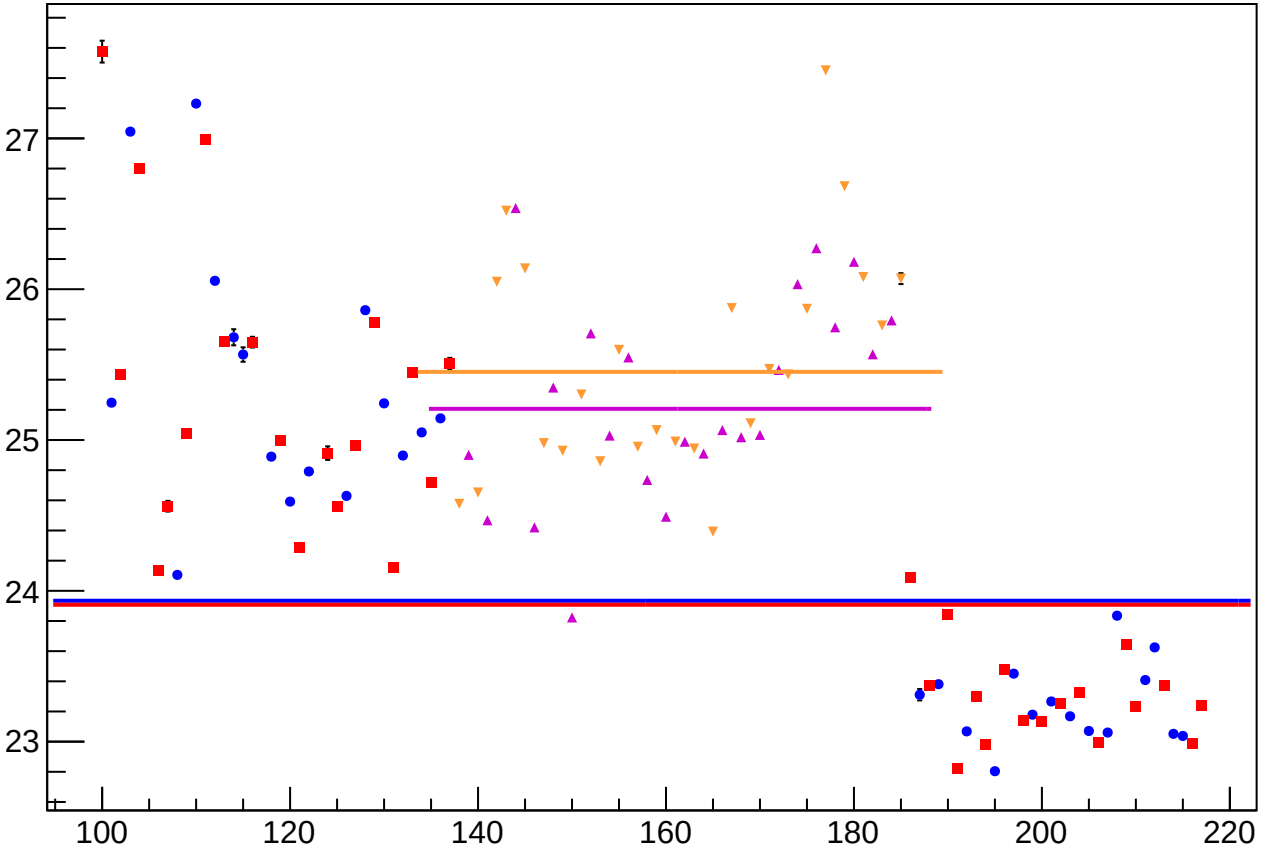
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.685+/-3.970 χ^2/NDF: 65.9/55

All: -1.766+/-2.791 χ^2/NDF: 131.4/114

- sign -4.159+/-3.924 χ^2/NDF: 64.8/58

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.934+/-0.004 χ^2/NDF: 84020.1/30

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

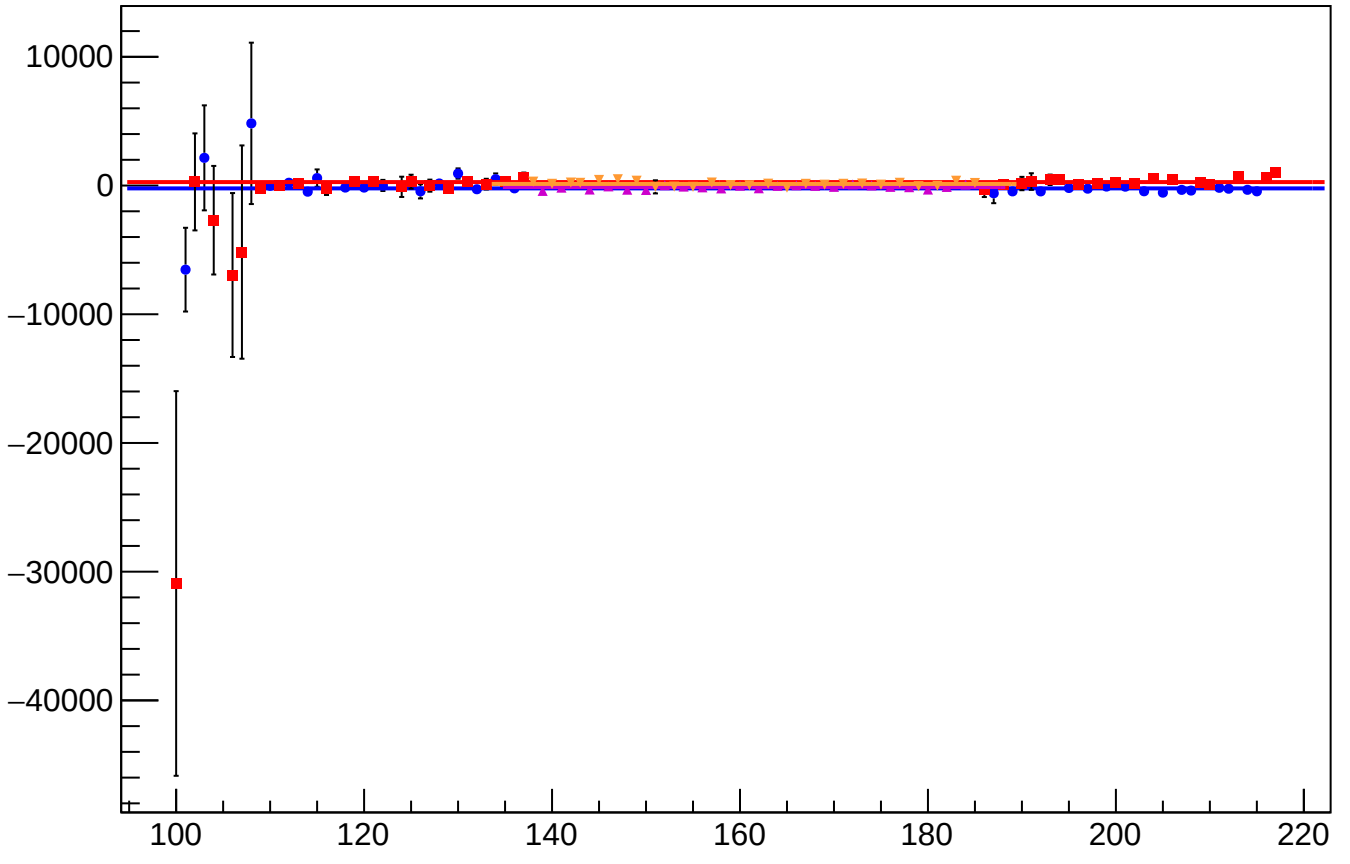
Right Out: 23.908+/-0.004 χ^2/NDF: 78781.8/35

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.648+/-0.003 χ^2/NDF: 186431.9/55

All: 24.565+/-0.002 χ^2/NDF: 346887.9/114

- sign 24.484+/-0.003 χ^2/NDF: 158719.0/58



Right In: -221.795+/-42.587 χ^2/NDF: 35.1/30

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

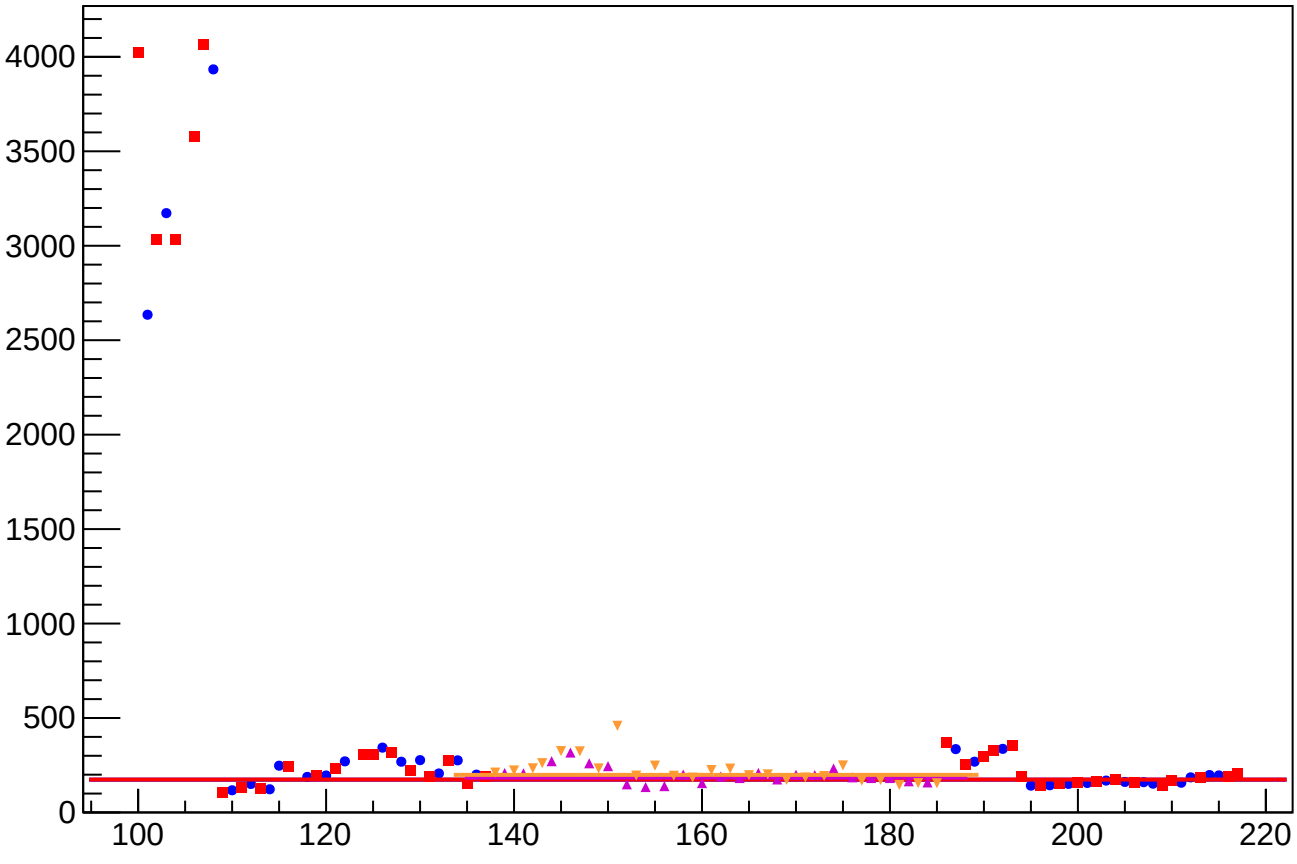
Right Out: 269.373+/-42.040 χ^2/NDF: 45.6/35

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -65.094+/-31.536 χ^2/NDF: 76.2/55

All: 13.881+/-21.990 χ^2/NDF: 181.5/114

- sign 88.622+/-30.679 χ^2/NDF: 93.1/58



Right In: 173.511+/-0.030 χ^2/NDF: 4936754.3/30

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

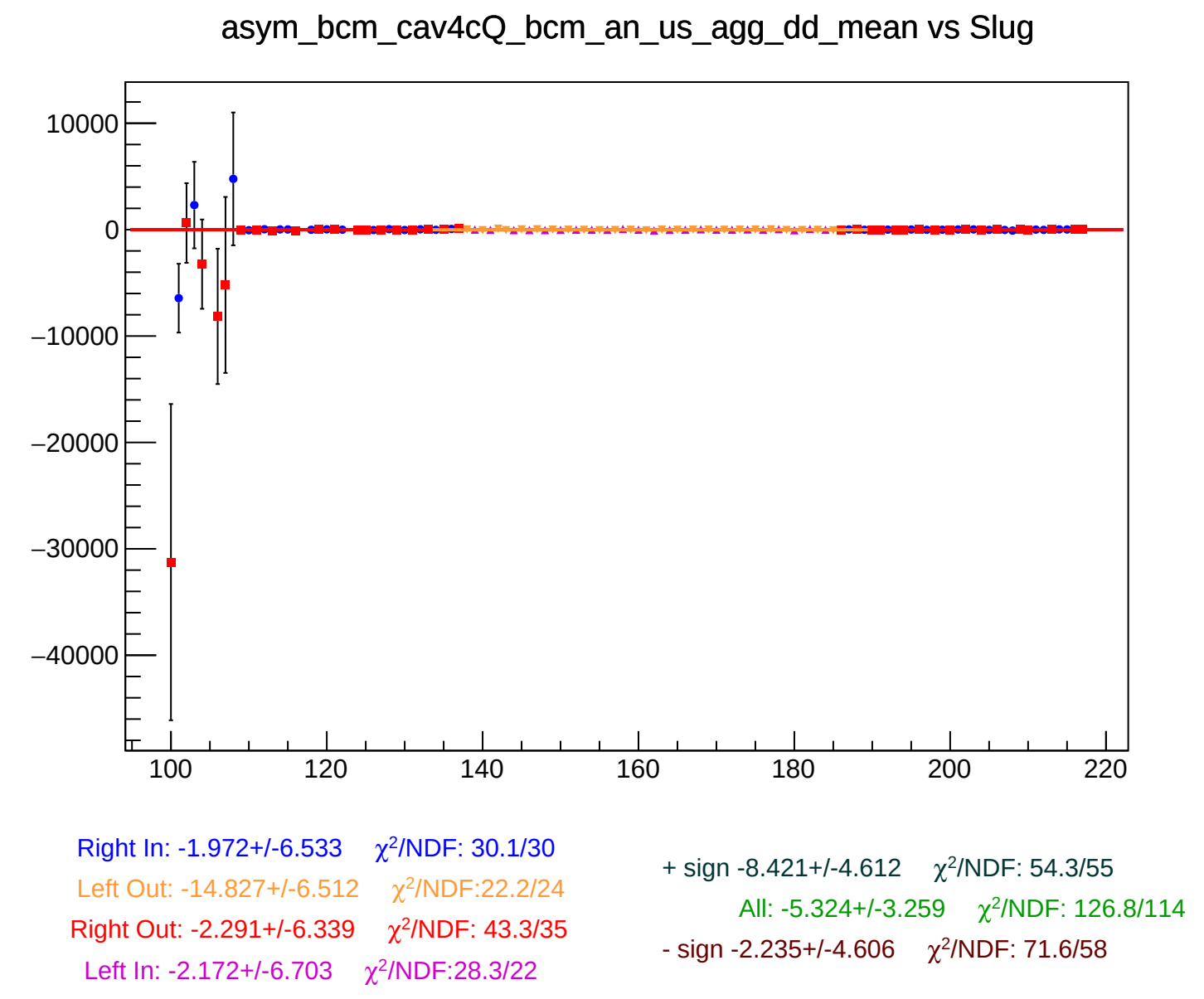
Right Out: 174.088+/-0.030 χ^2/NDF: 5647435.6/35

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

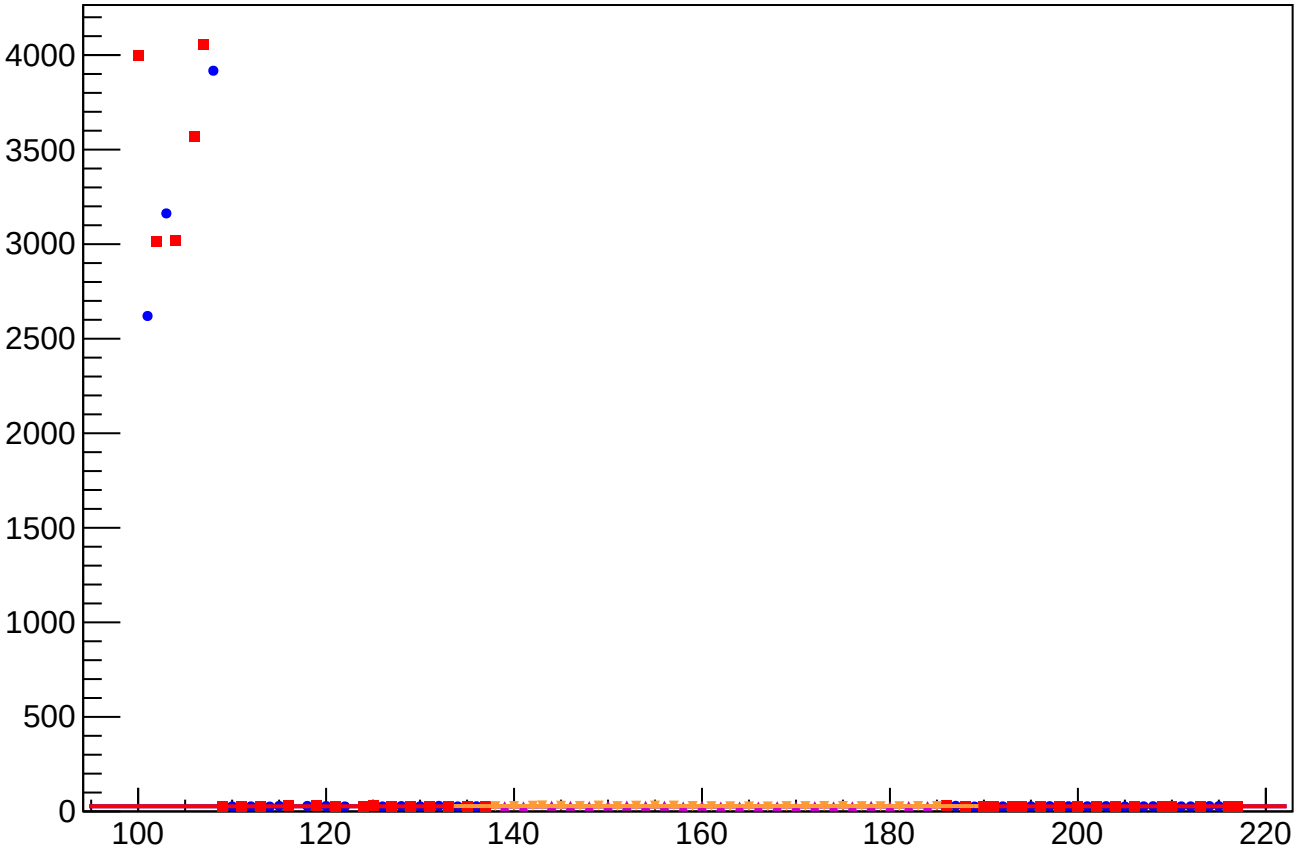
+ sign 185.020+/-0.022 χ^2/NDF: 7162330.1/55

All: 181.880+/-0.016 χ^2/NDF: 14350904.6/11

- sign 178.908+/-0.022 χ^2/NDF: 7149974.9/58


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: -1.972+/-6.533 χ²/NDF: 30.1/30
Left Out: -14.827+/-6.512 χ²/NDF:22.2/24
Right Out: -2.291+/-6.339 χ²/NDF: 43.3/35
Left In: -2.172+/-6.703 χ²/NDF:28.3/22
+ sign -8.421+/-4.612 χ²/NDF: 54.3/55
All: -5.324+/-3.259 χ²/NDF: 126.8/114
- sign -2.235+/-4.606 χ²/NDF: 71.6/58

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.431+/-0.005 χ^2/NDF: 3283949.7/30

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

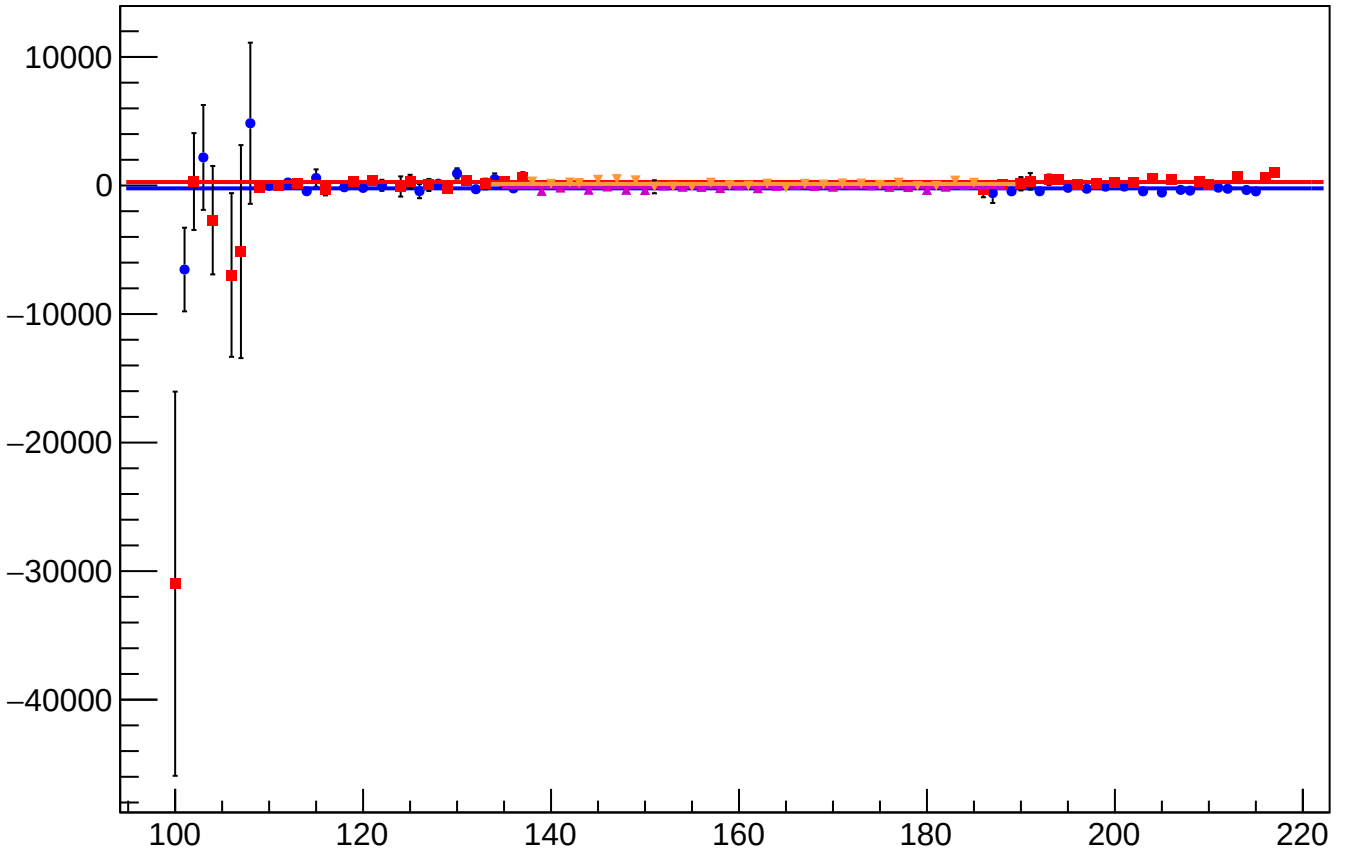
Right Out: 27.323+/-0.004 χ^2/NDF: 3597236.5/35

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 28.010+/-0.003 χ^2/NDF: 3403421.2/55

All: 27.969+/-0.002 χ^2/NDF: 7162573.7/114

\- sign 27.929+/-0.003 χ^2/NDF: 3758838.1/58



Right In: -223.251+/-42.463 χ^2/NDF: 35.6/30

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

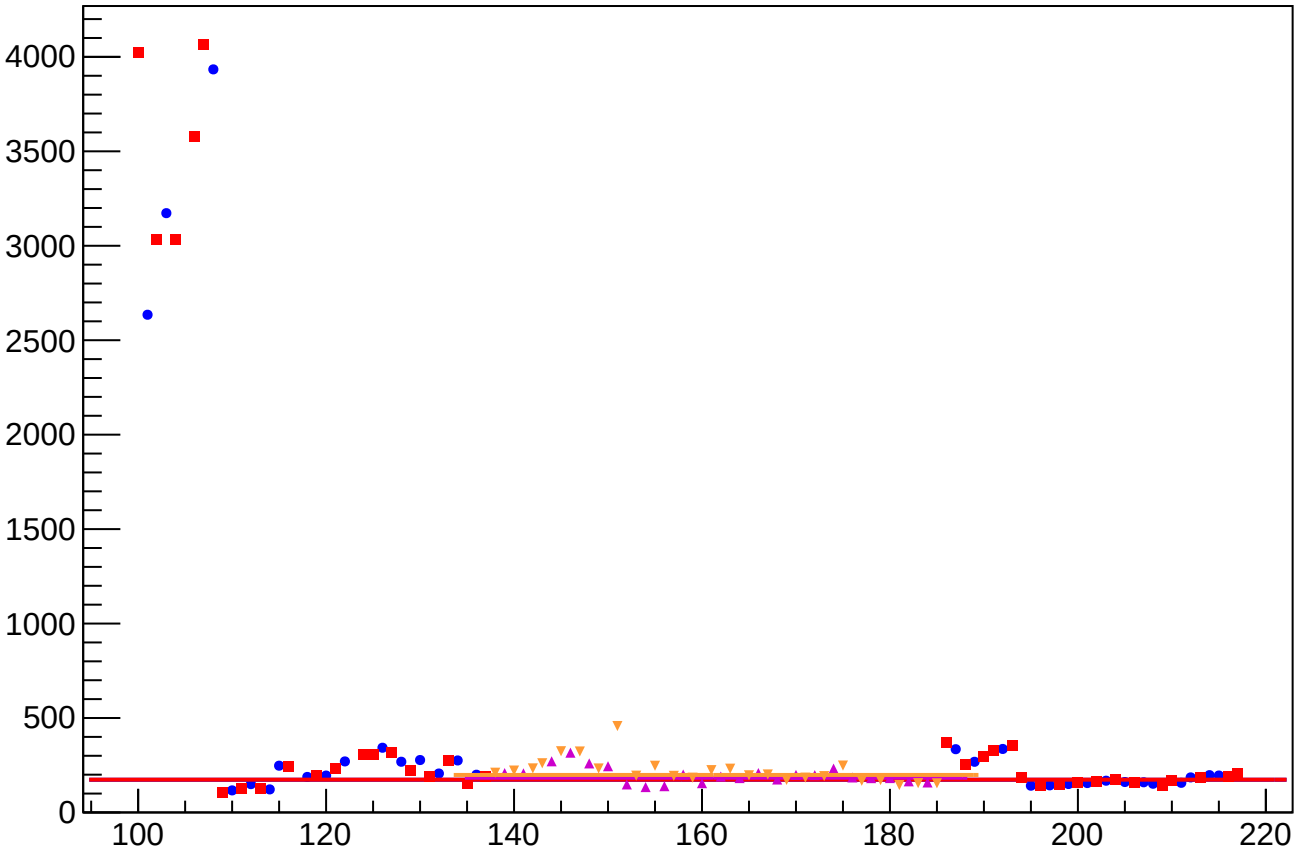
Right Out: 270.297+/-41.922 χ^2/NDF: 46.6/35

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -67.488+/-31.455 χ^2/NDF: 77.4/55

All: 13.298+/-21.936 χ^2/NDF: 185.0/114

- sign 89.780+/-30.606 χ^2/NDF: 94.7/58



Right In: 172.973+/-0.030 χ^2/NDF: 4950508.2/30

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

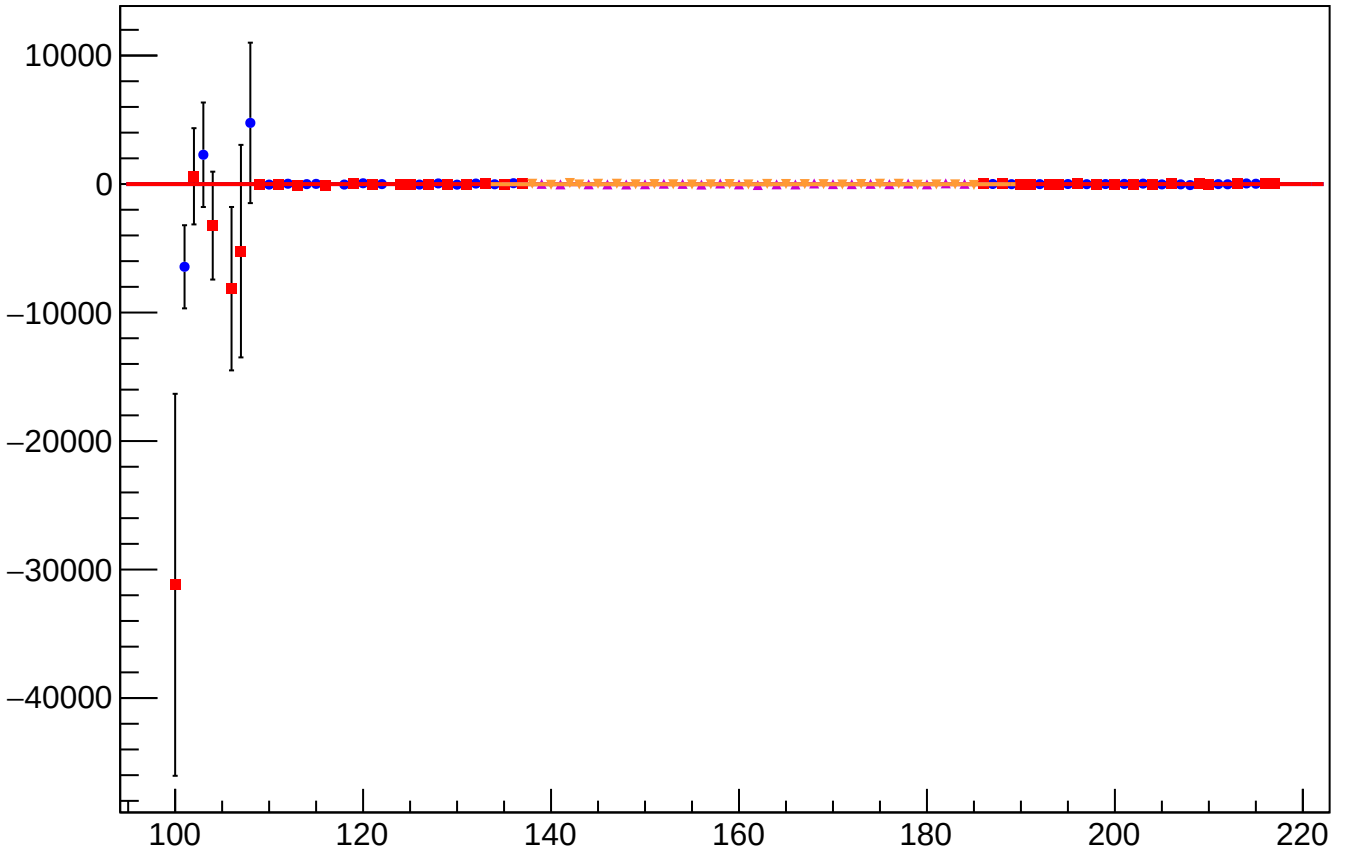
Right Out: 173.552+/-0.030 χ^2/NDF: 5666477.8/35

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.524+/-0.022 χ^2/NDF: 7179993.7/55

All: 181.407+/-0.016 χ^2/NDF: 14388718.1/11

- sign 178.455+/-0.022 χ^2/NDF: 7170480.9/58



Right In: -1.695+/-6.497 χ^2/NDF: 32.9/30

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -3.467+/-6.306 χ^2/NDF: 41.4/35

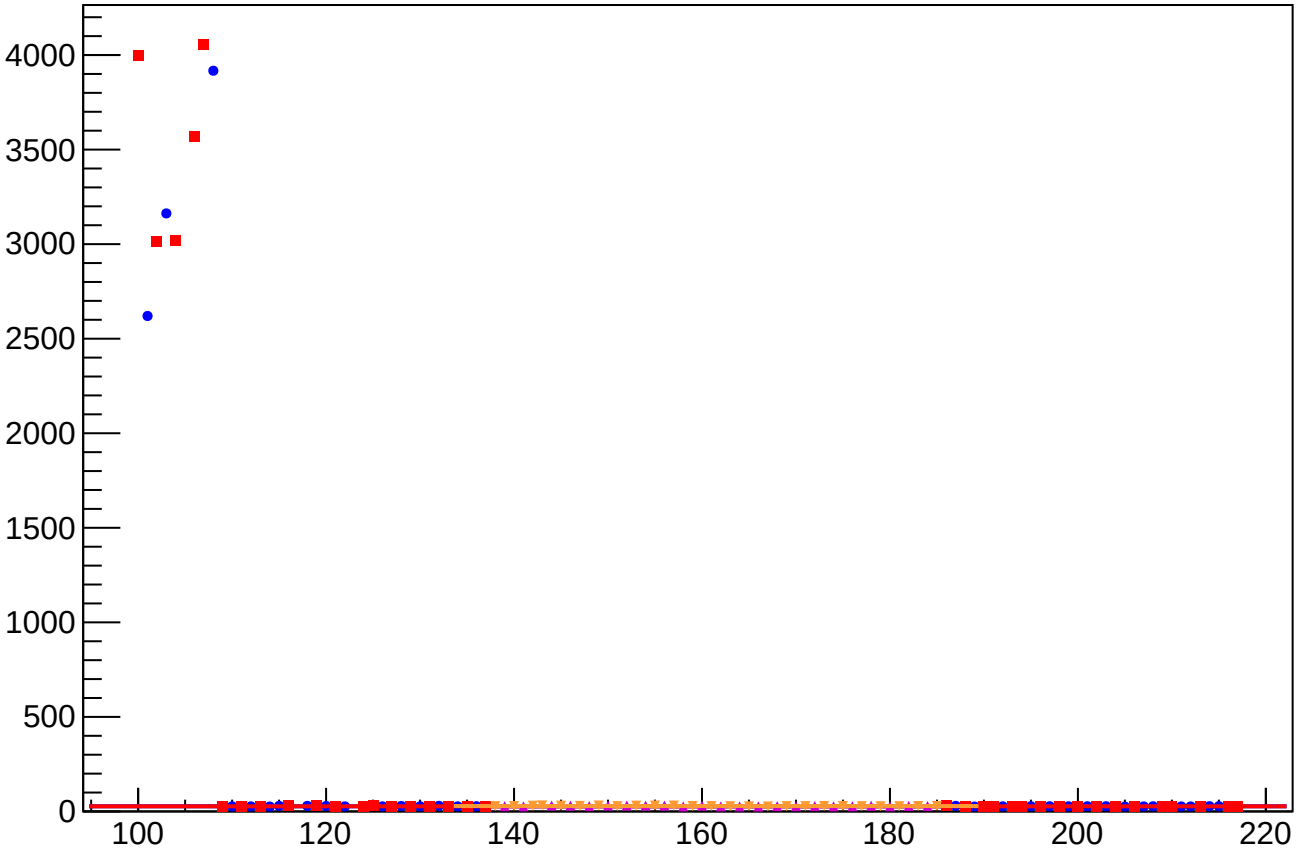
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.745+/-4.609 χ^2/NDF: 52.0/55

All: -4.895+/-3.257 χ^2/NDF: 115.9/114

- sign -3.051+/-4.602 χ^2/NDF: 63.6/58

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.276+/-0.005 χ^2/NDF: 3289896.2/30

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

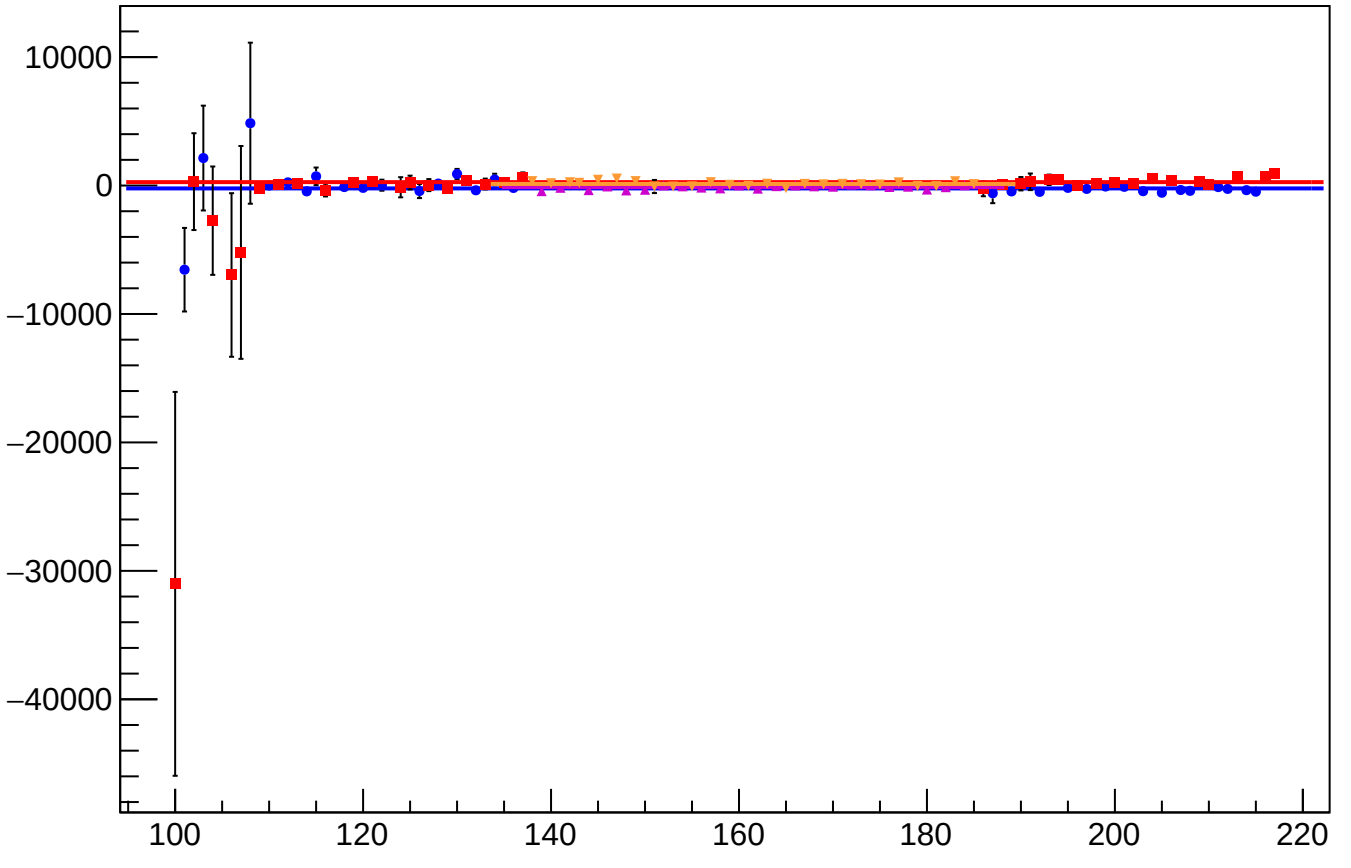
Right Out: 27.178+/-0.004 χ^2/NDF: 3603305.8/35

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.987+/-0.003 χ^2/NDF: 3437000.3/55

All: 27.944+/-0.002 χ^2/NDF: 7224493.8/114

\- sign 27.902+/-0.003 χ^2/NDF: 3787155.8/58



Right In: -224.122+/-42.764 χ^2/NDF: 37.1/30

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

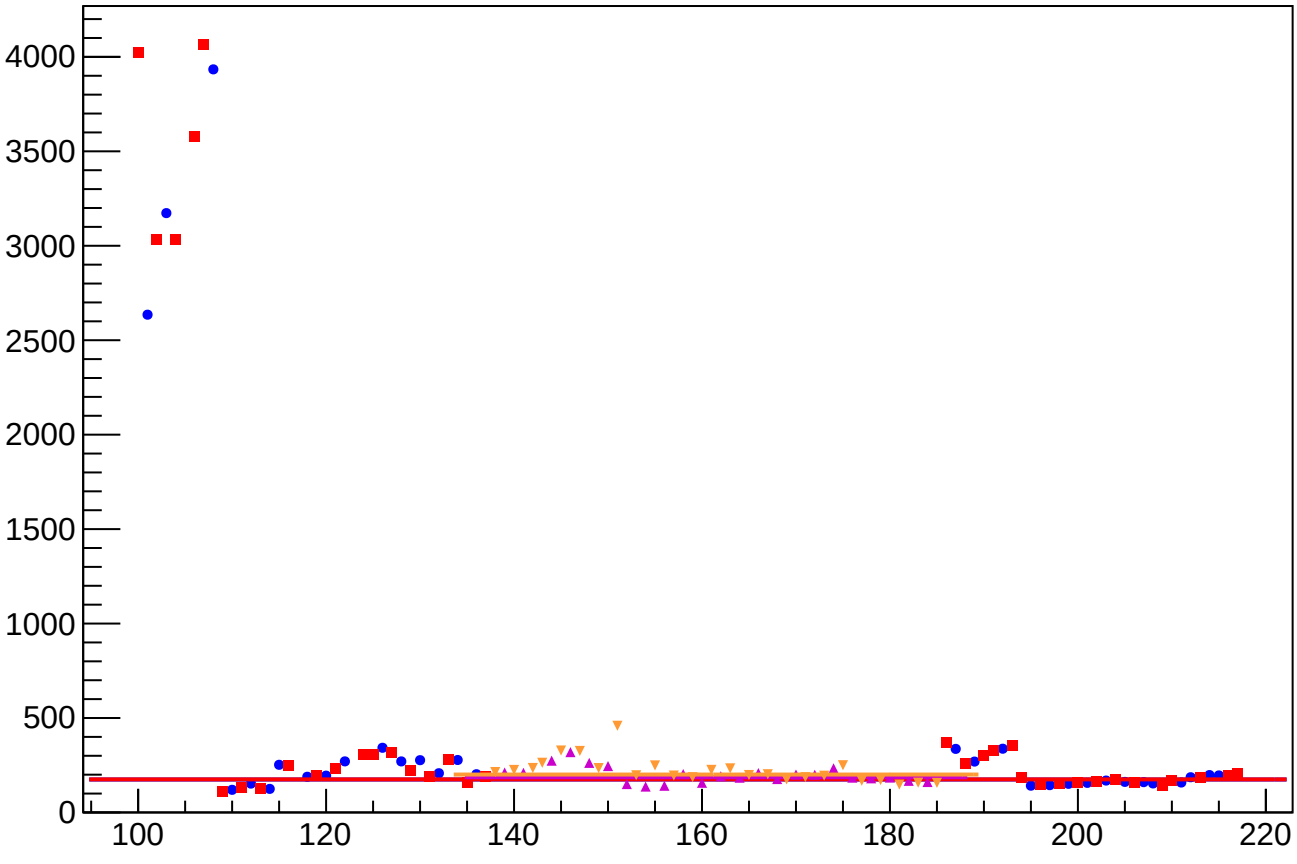
Right Out: 265.603+/-42.236 χ^2/NDF: 44.2/35

Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -68.058+/-31.721 χ^2/NDF: 78.0/55

All: 10.384+/-22.128 χ^2/NDF: 182.0/114

- sign 84.731+/-30.882 χ^2/NDF: 92.1/58



Right In: 174.306+/-0.030 χ^2/NDF: 4913121.3/30

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

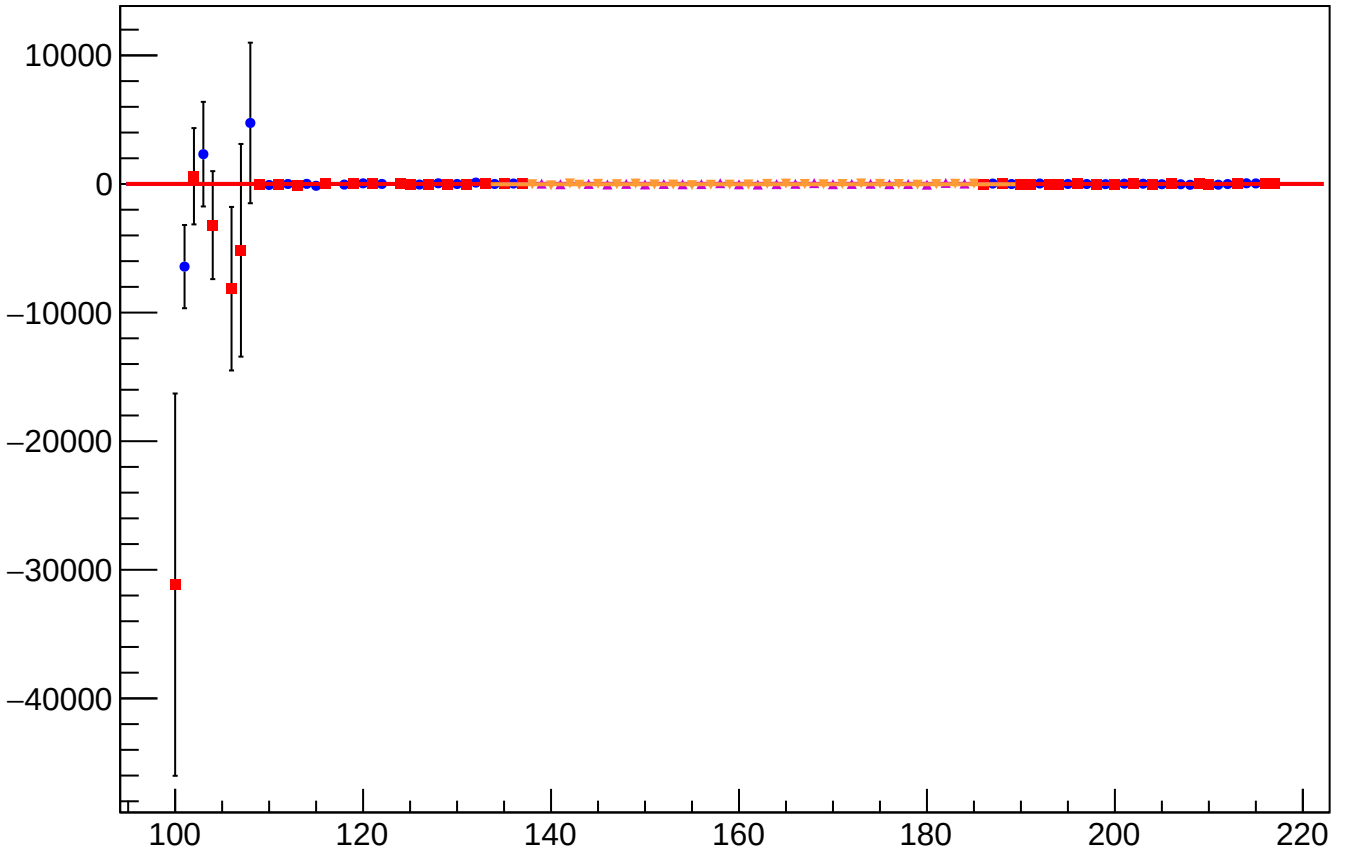
Right Out: 175.032+/-0.030 χ^2/NDF: 5602432.3/35

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 186.171+/-0.022 χ^2/NDF: 7135508.6/55

All: 183.113+/-0.016 χ^2/NDF: 14252236.0/11

- sign 180.215+/-0.022 χ^2/NDF: 7080534.7/58



Right In: 2.847+/-7.924 χ^2/NDF: 29.6/30

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 5.533+/-7.700 χ^2/NDF: 39.1/35

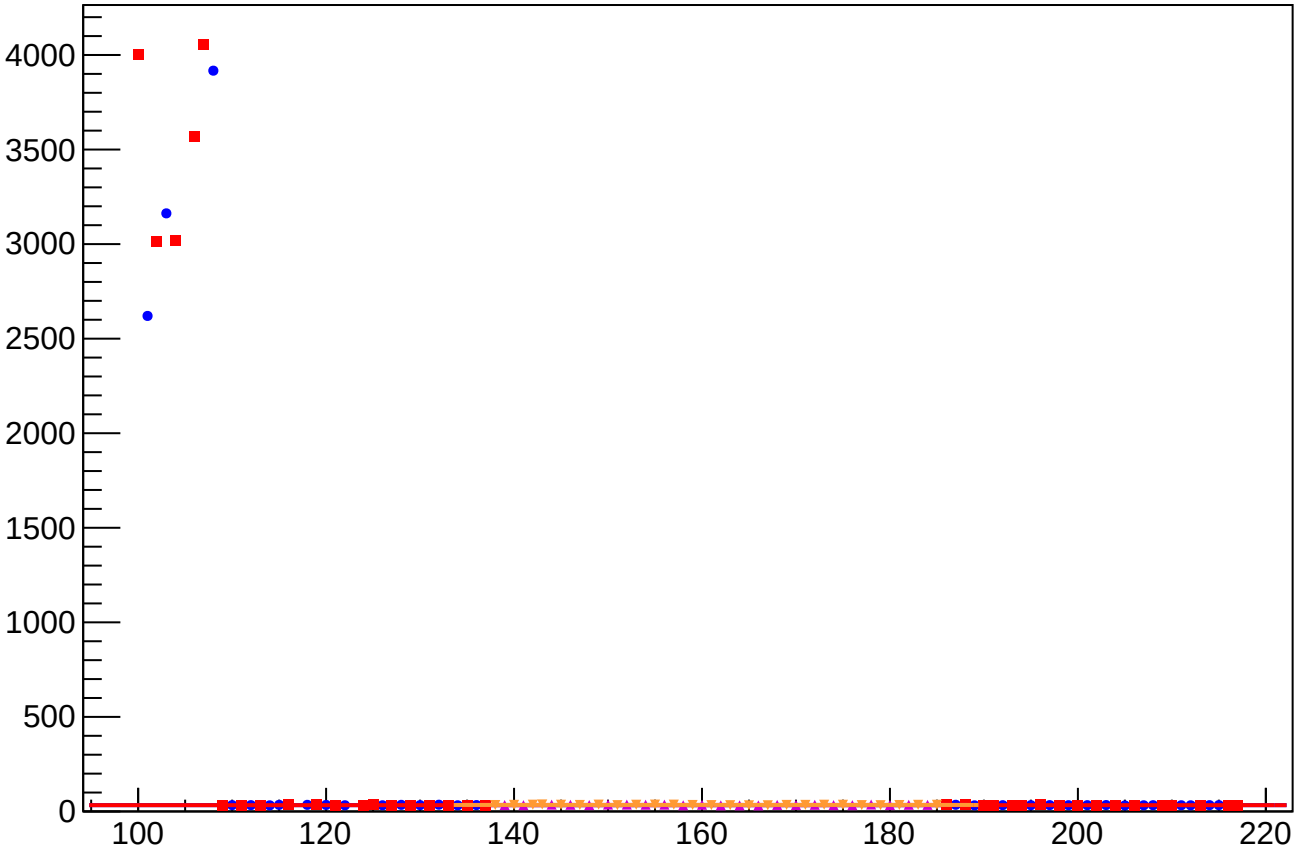
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -9.326+/-5.571 χ^2/NDF: 57.2/55

All: -2.259+/-3.941 χ^2/NDF: 118.5/114

\- sign 4.817+/-5.575 χ^2/NDF: 58.1/58

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.295+/-0.006 χ^2/NDF: 3257082.2/30

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

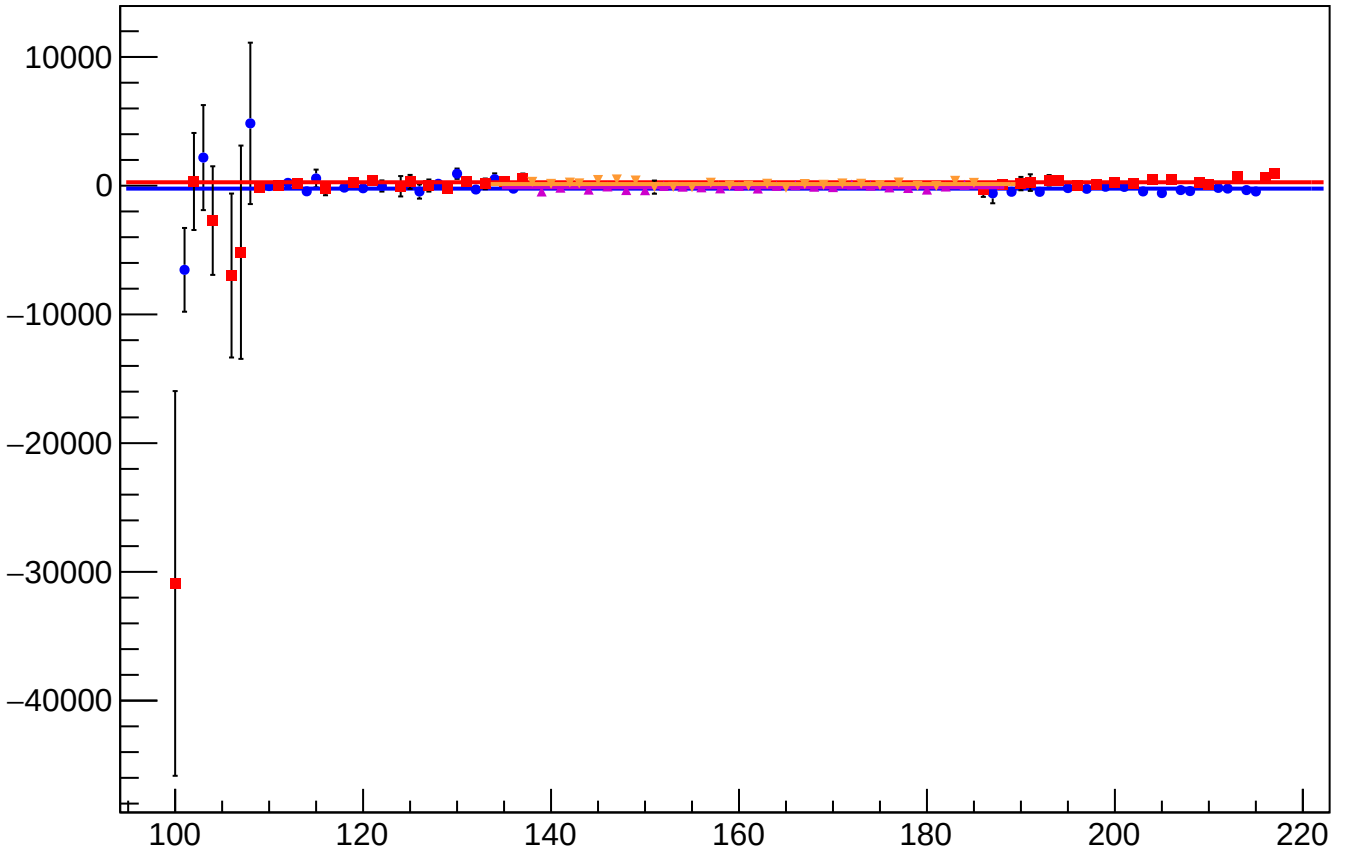
Right Out: 33.232+/-0.005 χ^2/NDF: 3554509.8/35

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.873+/-0.004 χ^2/NDF: 3322825.3/55

All: 33.867+/-0.003 χ^2/NDF: 6964597.7/114

- sign 33.860+/-0.004 χ^2/NDF: 3641766.5/58



Right In: -227.370+/-42.641 χ^2/NDF: 35.7/30

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

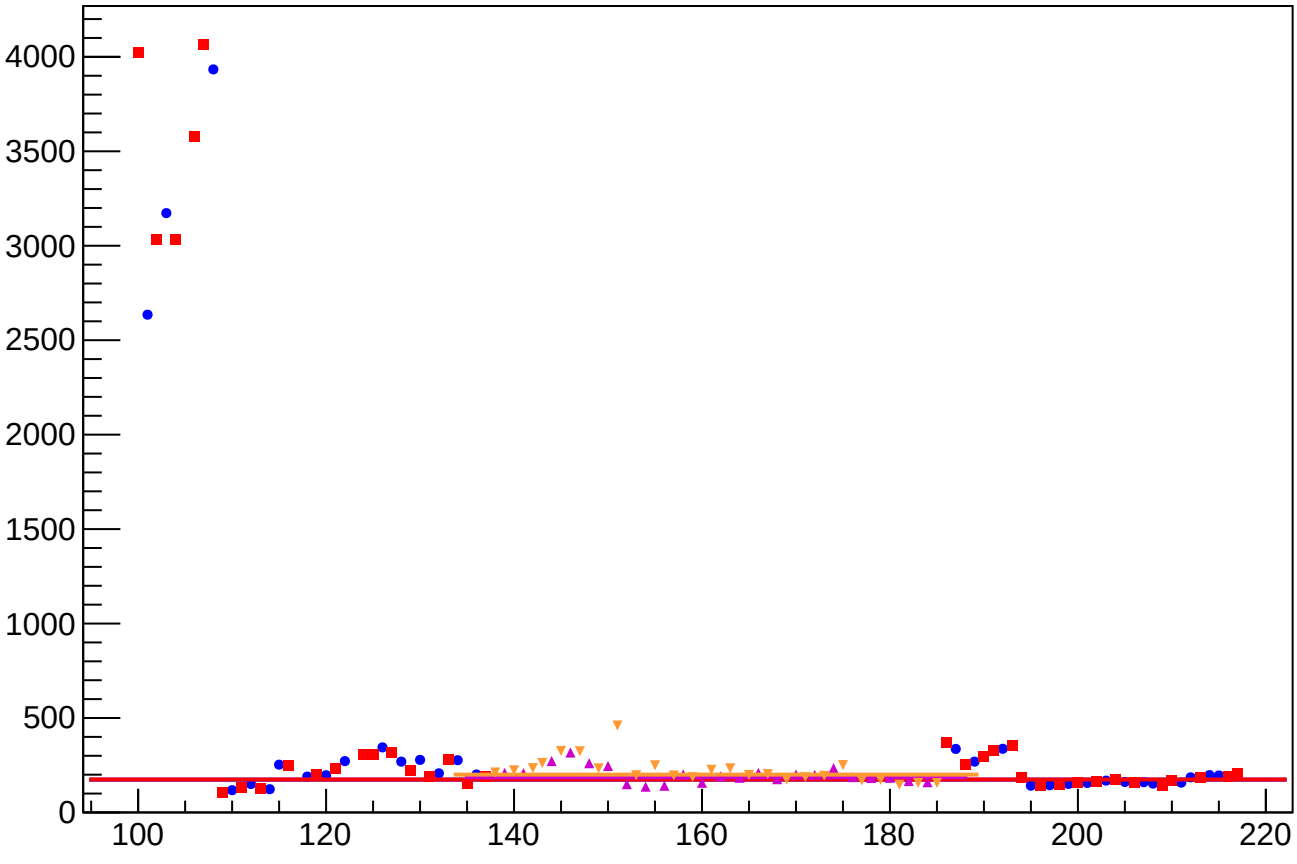
Right Out: 267.515+/-42.087 χ^2/NDF: 45.0/35

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -67.916+/-31.649 χ^2/NDF: 78.5/55

All: 11.260+/-22.074 χ^2/NDF: 183.6/114

- sign 86.250+/-30.801 χ^2/NDF: 92.9/58



Right In: 173.713+/-0.030 χ^2/NDF: 4944571.3/30

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

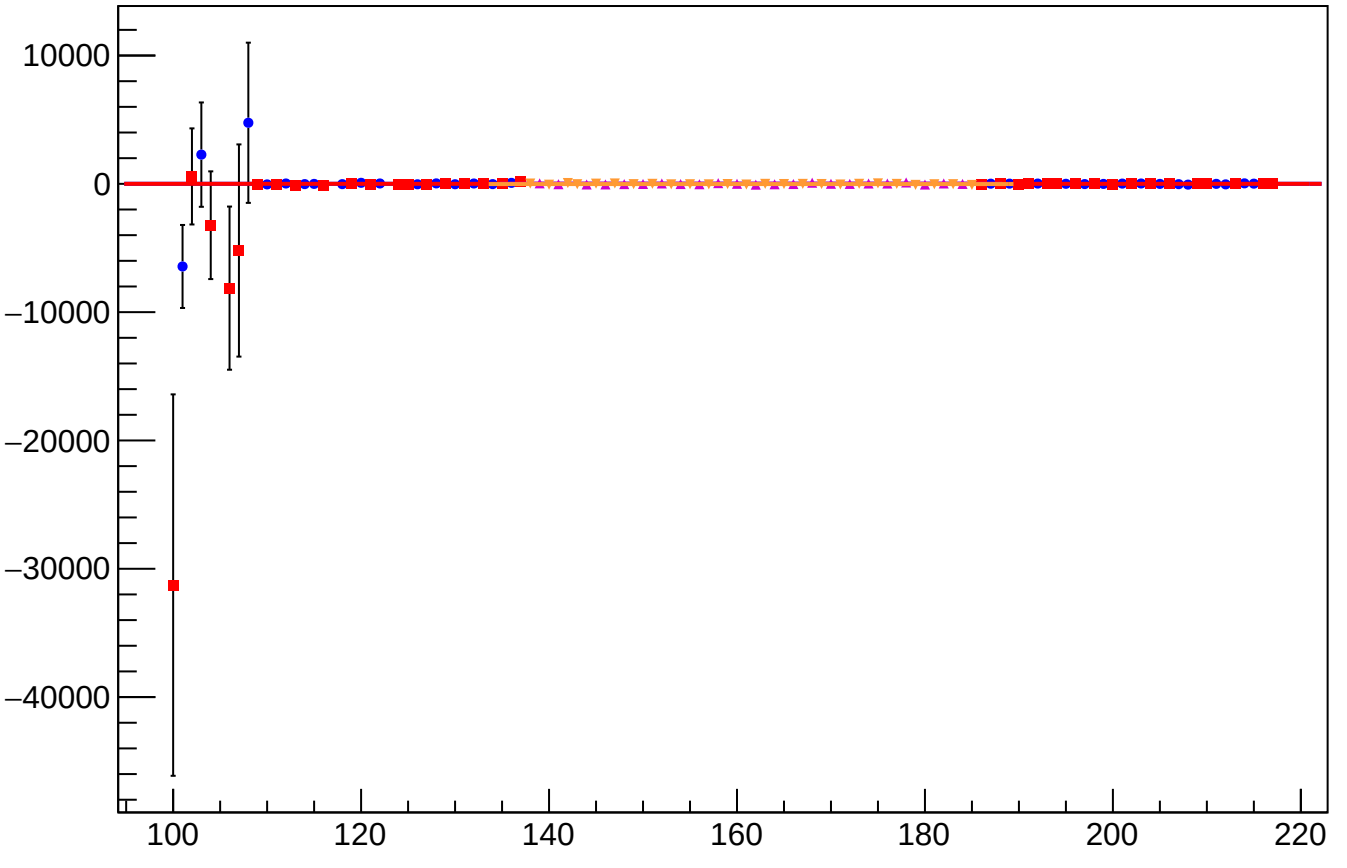
Right Out: 174.278+/-0.030 χ^2/NDF: 5653286.4/35

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.685+/-0.022 χ^2/NDF: 7172183.4/55

All: 182.592+/-0.016 χ^2/NDF: 14338673.5/11

- sign 179.662+/-0.022 χ^2/NDF: 7129287.9/58



Right In: 3.439+/-7.170 χ^2/NDF: 25.8/30

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 2.205+/-6.961 χ^2/NDF: 46.5/35

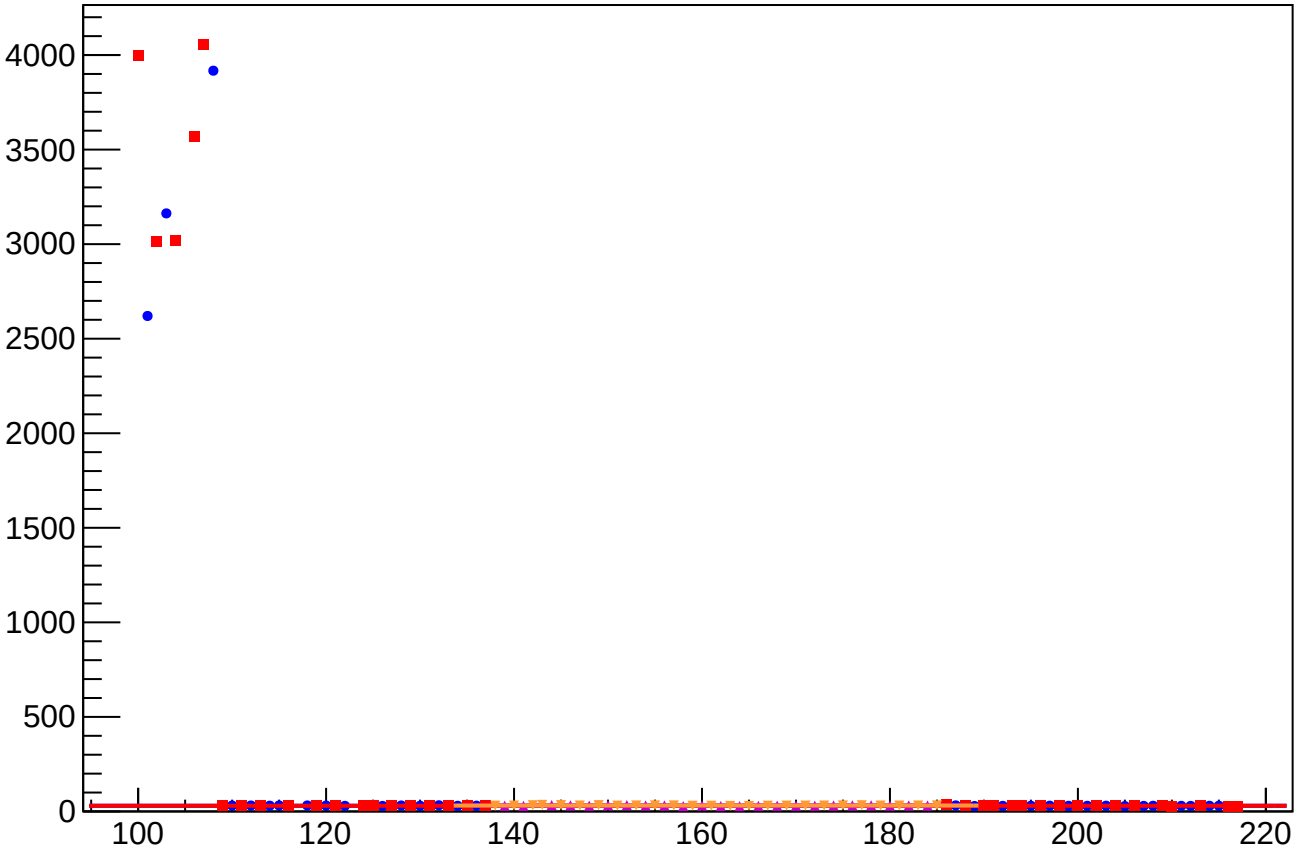
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -7.625+/-5.057 χ^2/NDF: 51.0/55

All: -2.587+/-3.575 χ^2/NDF: 134.9/114

- sign 2.443+/-5.053 χ^2/NDF: 82.0/58

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.109+/-0.005 χ^2/NDF: 3275530.5/30

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

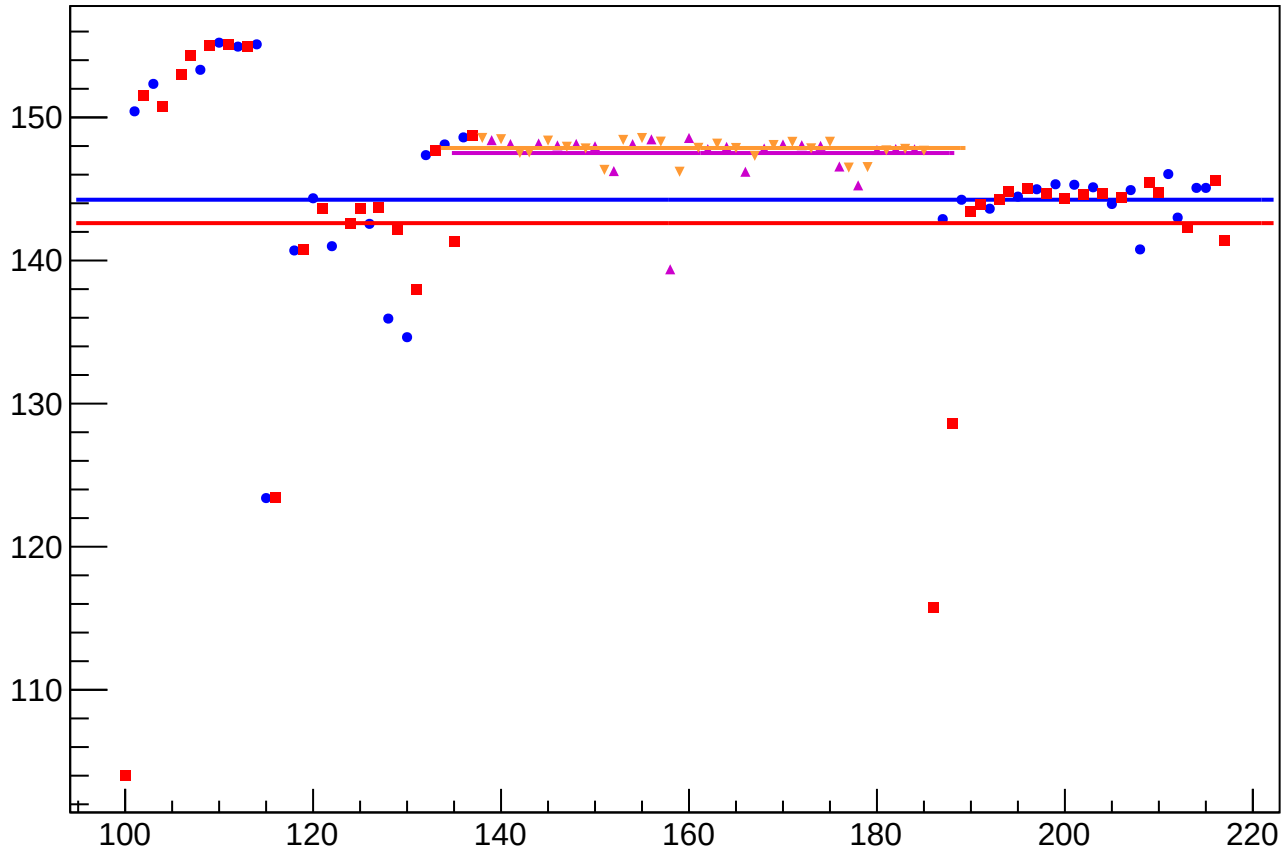
Right Out: 30.017+/-0.005 χ^2/NDF: 3577760.3/35

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.727+/-0.004 χ^2/NDF: 3368163.8/55

All: 30.694+/-0.003 χ^2/NDF: 7067549.4/114

- sign 30.662+/-0.004 χ^2/NDF: 3699215.6/58



Right In: 144.248+/-0.000 χ^2/NDF: 3781244949.5/30

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

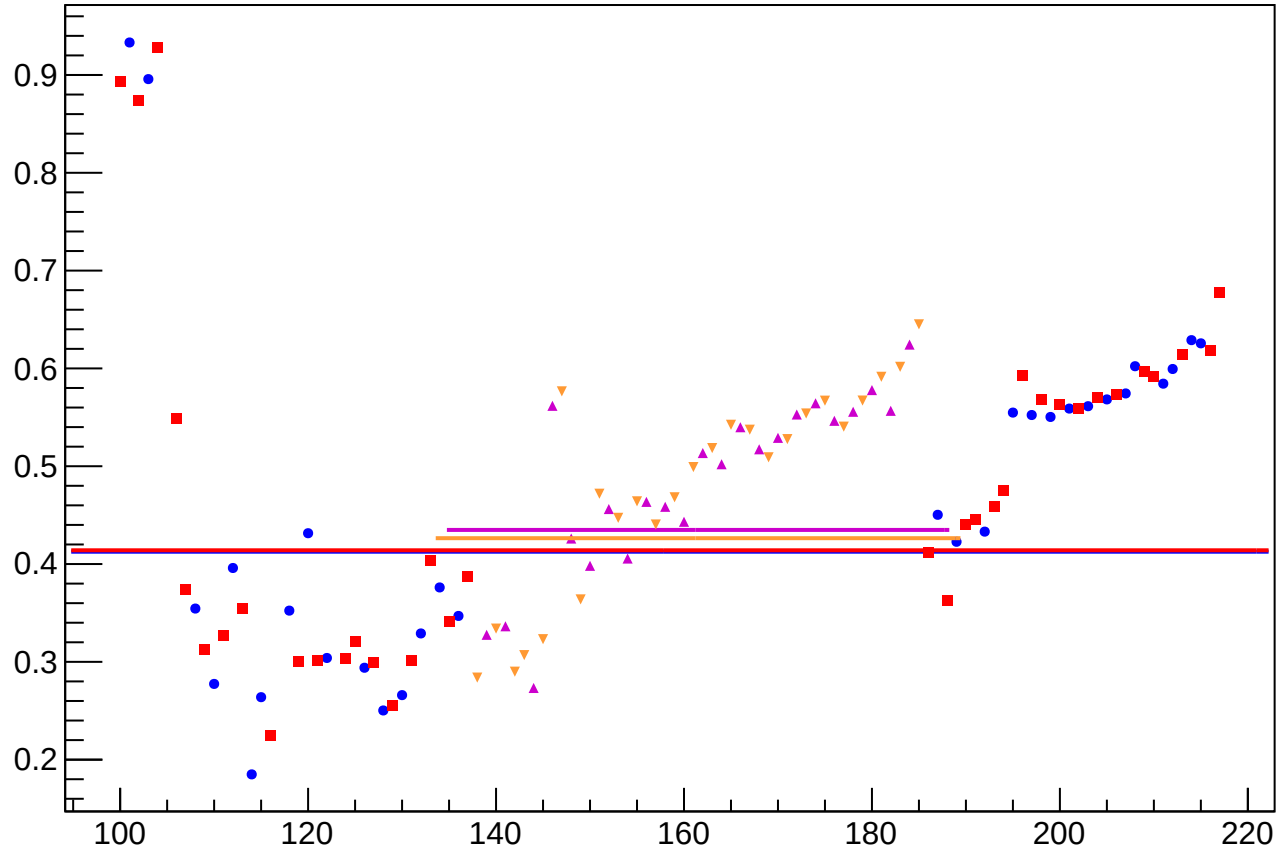
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.071+/-0.000 χ^2/NDF: 4455224259.6/55

All: 145.479+/-0.000 χ^2/NDF: 13642998074.

- sign 144.887+/-0.000 χ^2/NDF: 9052965725.6/58

yield_bcm_target_rms vs Slug



Right In: 0.413+/-0.000 χ^2/NDF: 4008522.6/30

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

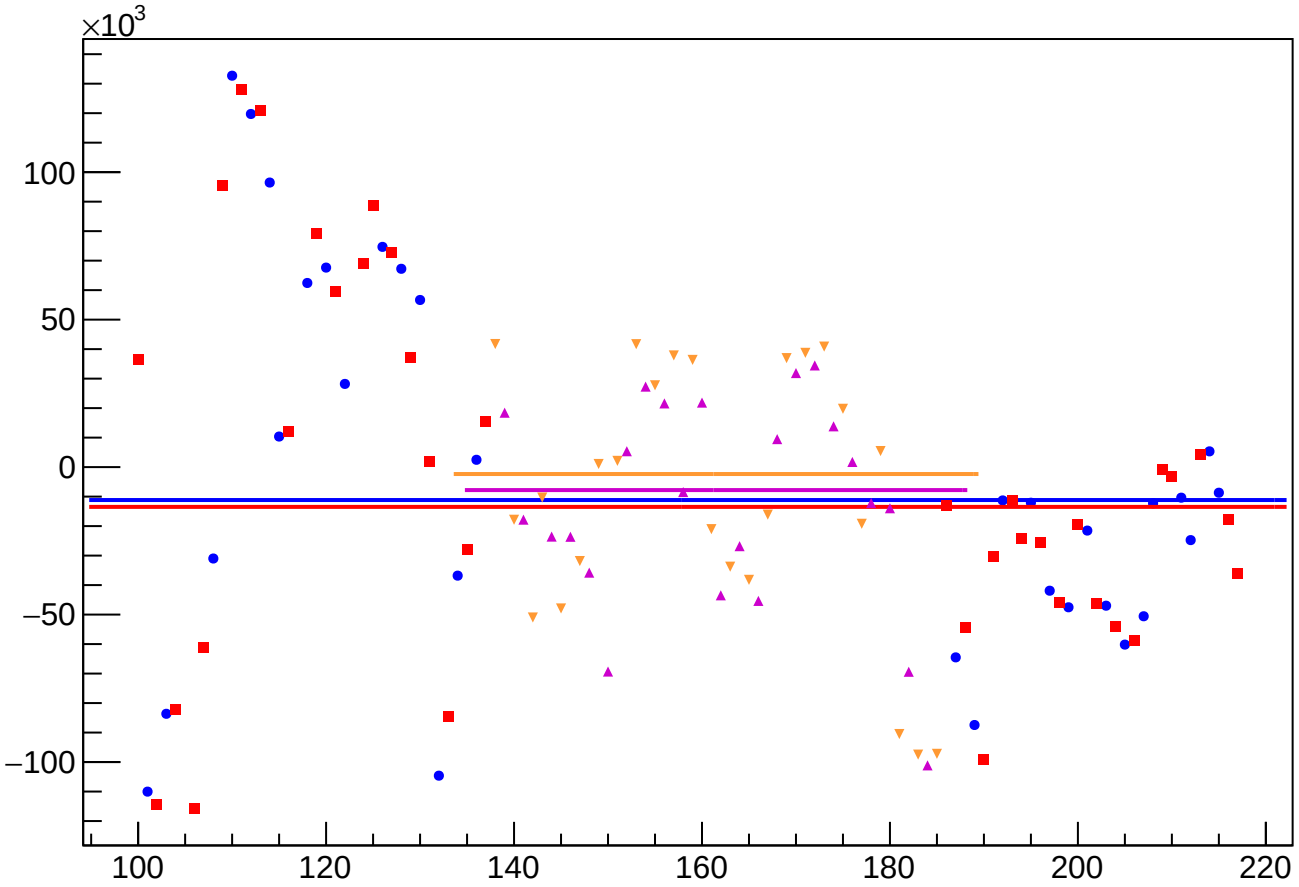
Right Out: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.420+/-0.000 χ^2/NDF: 6286050.2/55

All: 0.422+/-0.000 χ^2/NDF: 12022293.4/114

- sign 0.424+/-0.000 χ^2/NDF: 5732944.7/58



Right In: -11164.646+/-1.258 χ^2/NDF: 1947958275.7/30

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

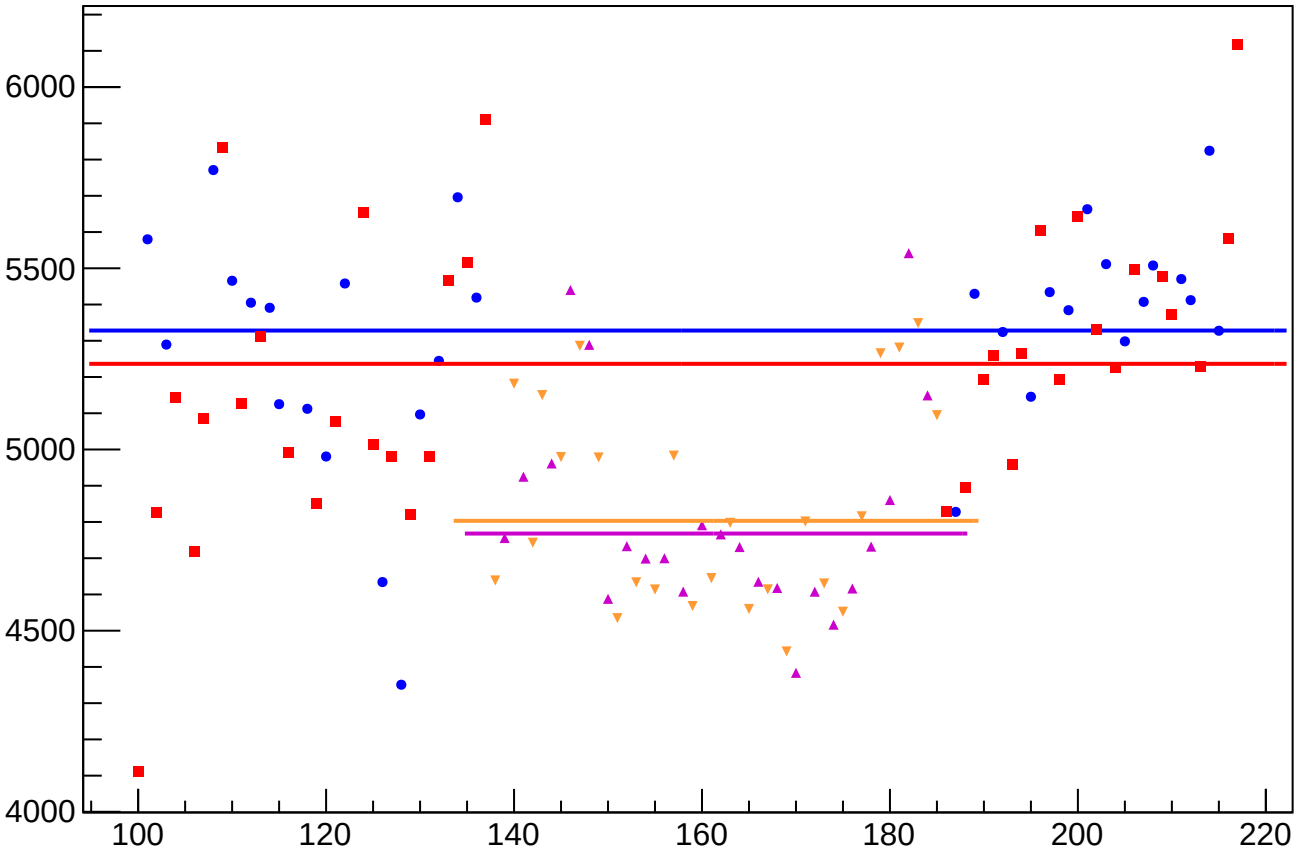
Right Out: -13486.605+/-1.193 χ^2/NDF: 2416590160.3/35

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -6256.252+/-0.838 χ^2/NDF: 3205329547.7/5

All: -8418.796+/-0.588 χ^2/NDF: 6409429364

- sign -10519.423+/-0.826 χ^2/NDF: 3190970092.7/5



Right In: 5328.228+/-0.890 χ^2/NDF: 115221.3/30

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

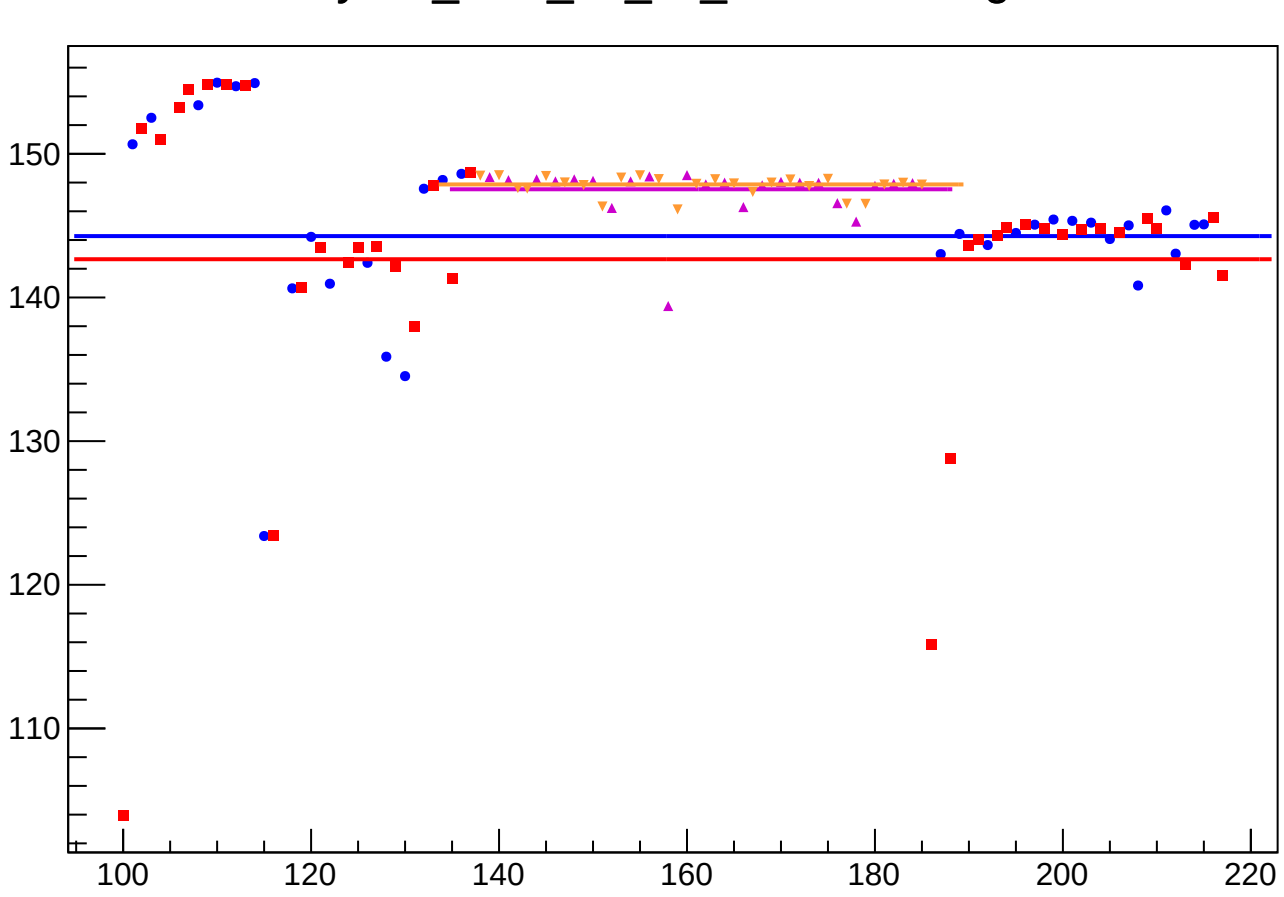
Right Out: 5236.362+/-0.843 χ^2/NDF: 152590.5/35

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5036.004+/-0.593 χ^2/NDF: 423729.4/55

All: 5013.951+/-0.416 χ^2/NDF: 841901.3/114

- sign 4992.530+/-0.584 χ^2/NDF: 415441.2/58



Right In: 144.273+/-0.000 χ^2/NDF: 3822337653.2/30

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.663+/-0.000 χ^2/NDF: 7575131435.8/35

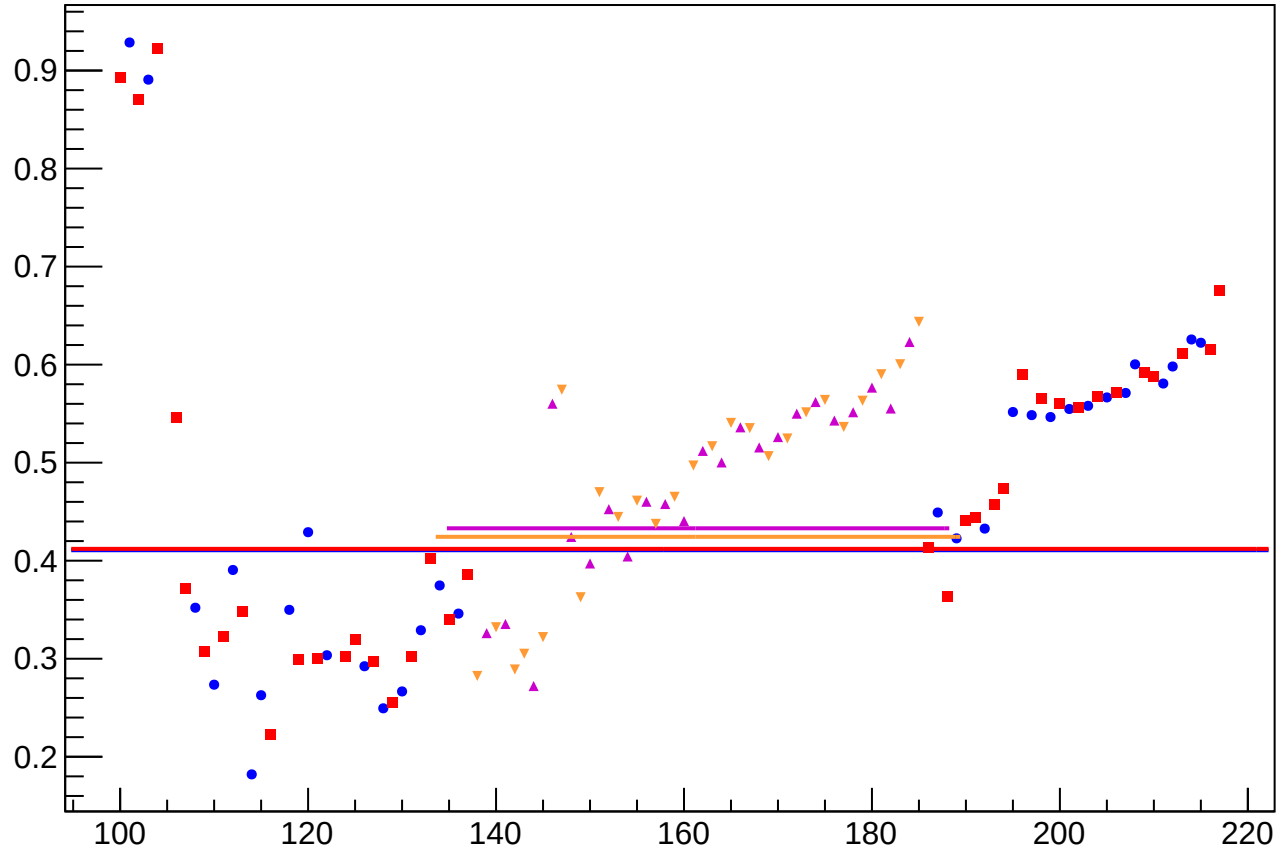
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.086+/-0.000 χ^2/NDF: 4495152080.2/55

All: 145.505+/-0.000 χ^2/NDF: 13651472543.

- sign 144.923+/-0.000 χ^2/NDF: 9024888824.2/58

yield_bcm_an_ds_rms vs Slug



Right In: 0.411+/-0.000 χ^2/NDF: 4007016.2/30

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

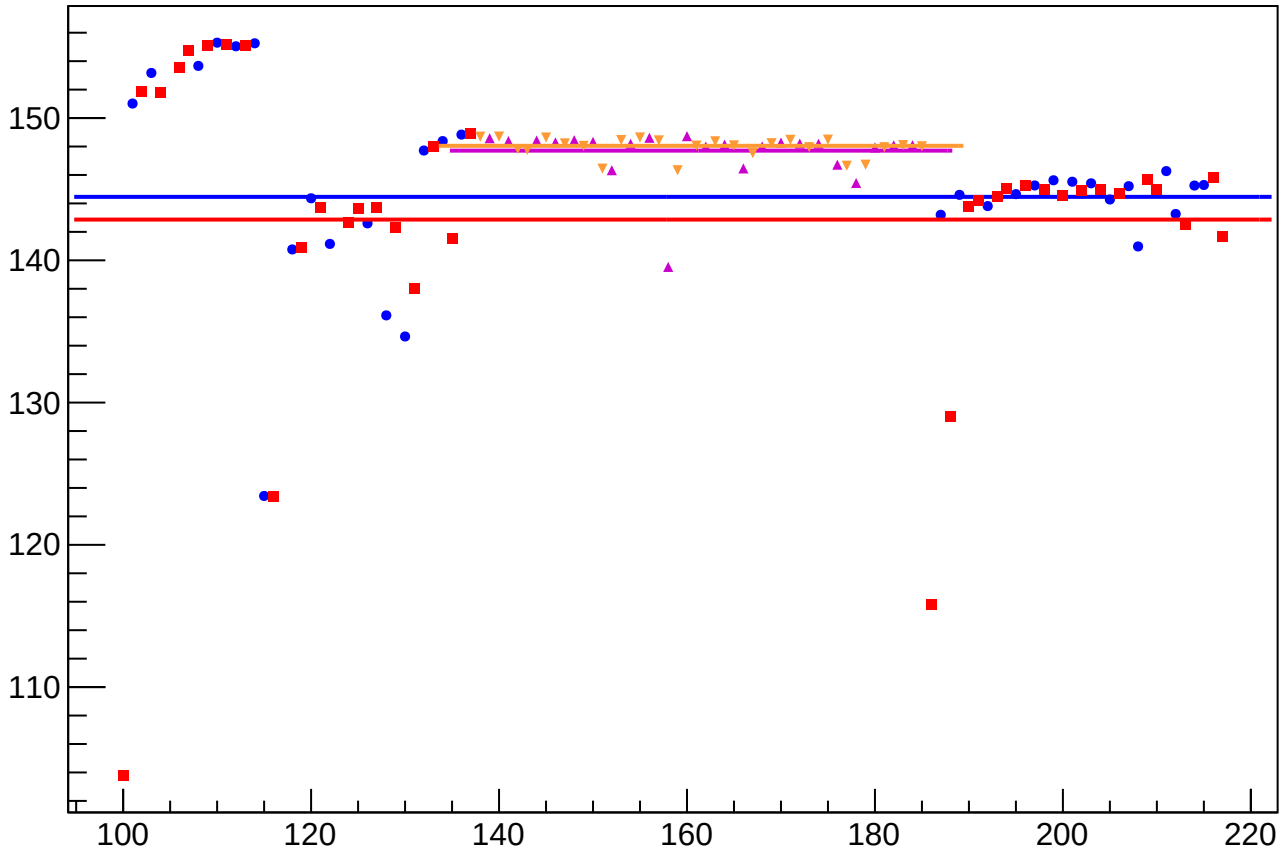
Right Out: 0.412+/-0.000 χ^2/NDF: 3923707.6/35

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.418+/-0.000 χ^2/NDF: 6285932.0/55

All: 0.420+/-0.000 χ^2/NDF: 12026655.1/114

- sign 0.422+/-0.000 χ^2/NDF: 5737236.7/58



Right In: 144.461+/-0.000 χ^2/NDF: 3816773607.0/30

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.864+/-0.000 χ^2/NDF: 7509477620.8/35

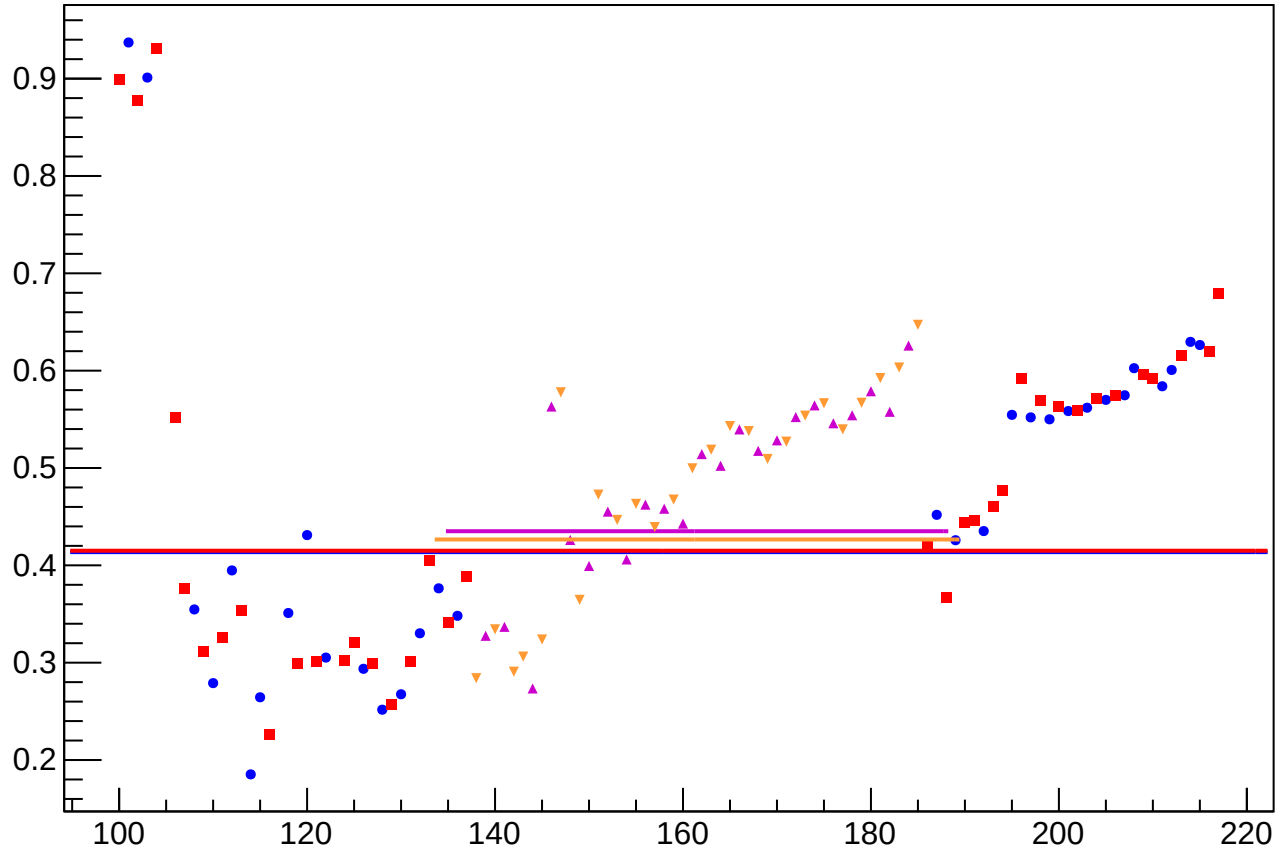
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.273+/-0.000 χ^2/NDF: 4479715249.7/55

All: 145.697+/-0.000 χ^2/NDF: 13548205376.

- sign 145.119+/-0.000 χ^2/NDF: 8940706351.0/58

yield_bcm_an_ds3_rms vs Slug



Right In: 0.414+/-0.000 χ^2/NDF: 3989666.5/30

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

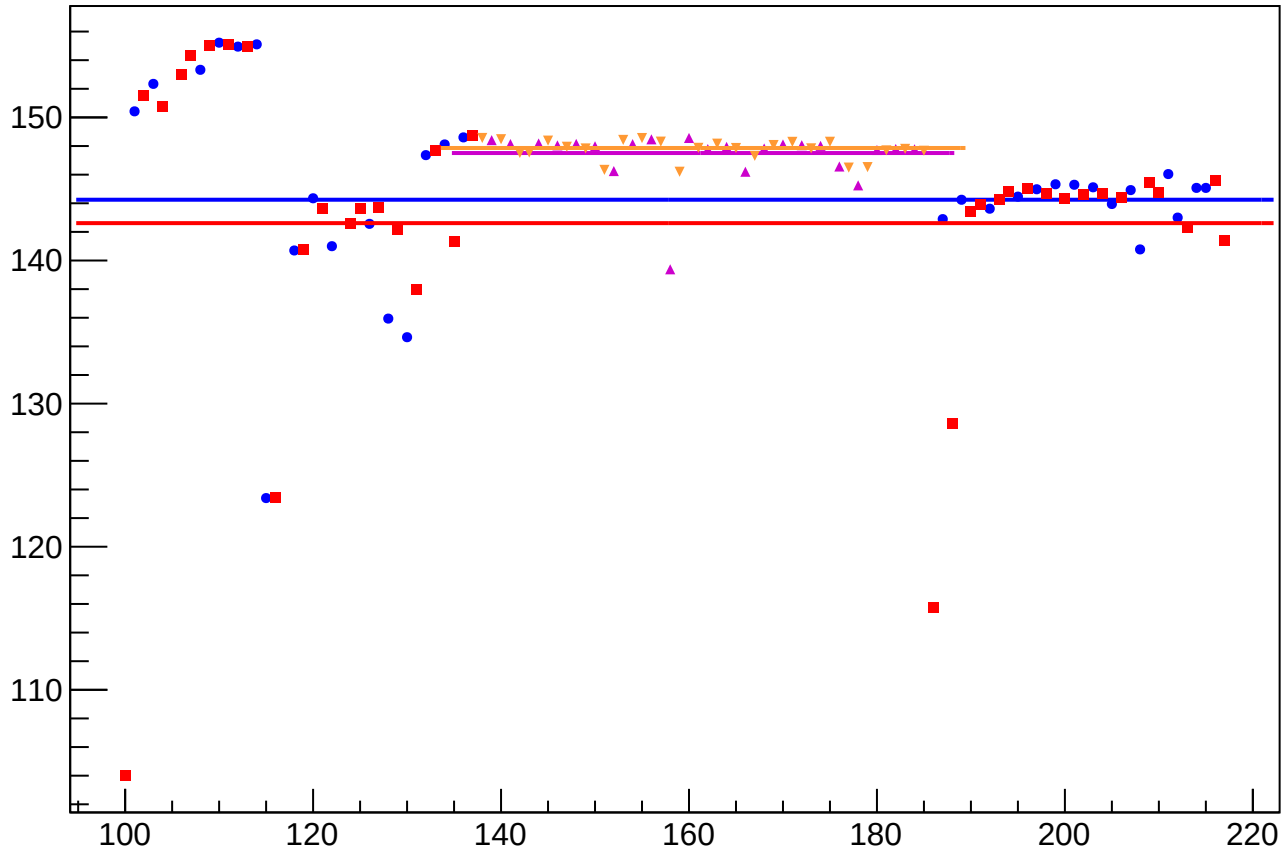
Right Out: 0.415+/-0.000 χ^2/NDF: 3914130.6/35

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.420+/-0.000 χ^2/NDF: 6263318.2/55

All: 0.422+/-0.000 χ^2/NDF: 11988854.9/114

- sign 0.424+/-0.000 χ^2/NDF: 5722147.5/58



Right In: 144.248+/-0.000 χ^2/NDF: 3781244949.5/30

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.613+/-0.000 χ^2/NDF: 7600007128.3/35

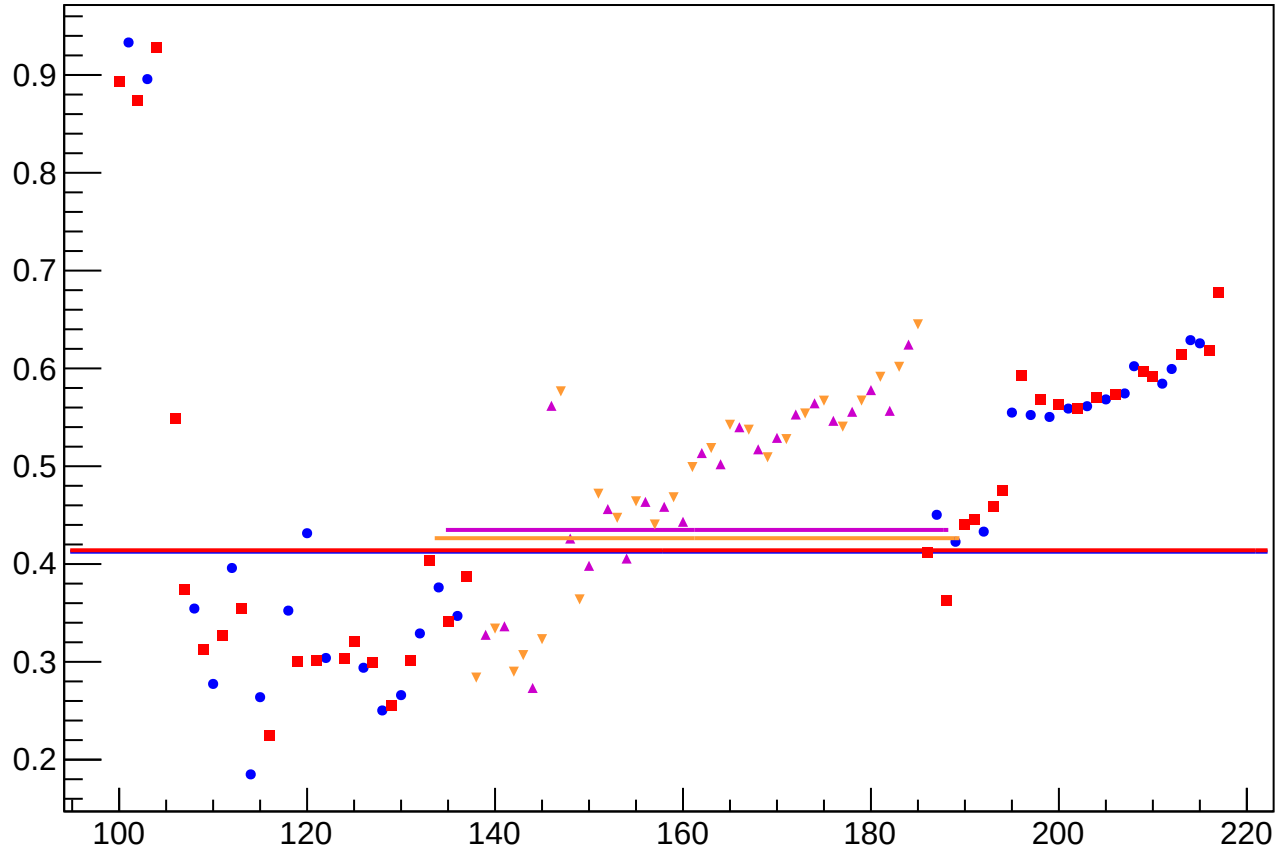
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.071+/-0.000 χ^2/NDF: 4455224259.6/55

All: 145.479+/-0.000 χ^2/NDF: 13642998074.

- sign 144.887+/-0.000 χ^2/NDF: 9052965725.6/58

yield_bcm_an_us_rms vs Slug



Right In: 0.413+/-0.000 χ^2/NDF: 4008522.6/30

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

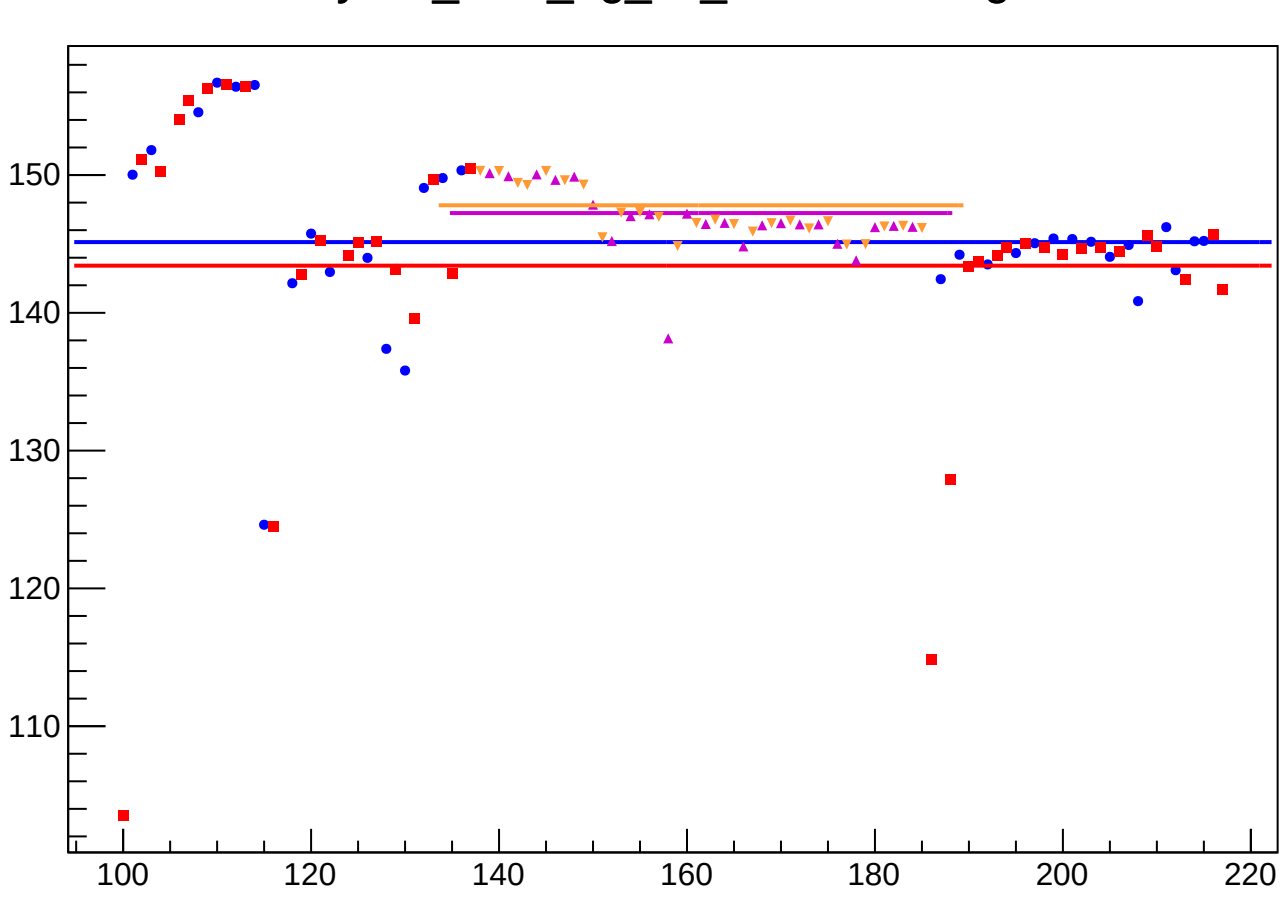
Right Out: 0.414+/-0.000 χ^2/NDF: 3916587.9/35

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.420+/-0.000 χ^2/NDF: 6286050.2/55

All: 0.422+/-0.000 χ^2/NDF: 12022293.4/114

- sign 0.424+/-0.000 χ^2/NDF: 5732944.7/58



Right In: 145.134+/-0.000 χ^2/NDF: 3572938636.3/30

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.423+/-0.000 χ^2/NDF: 7648240830.6/35

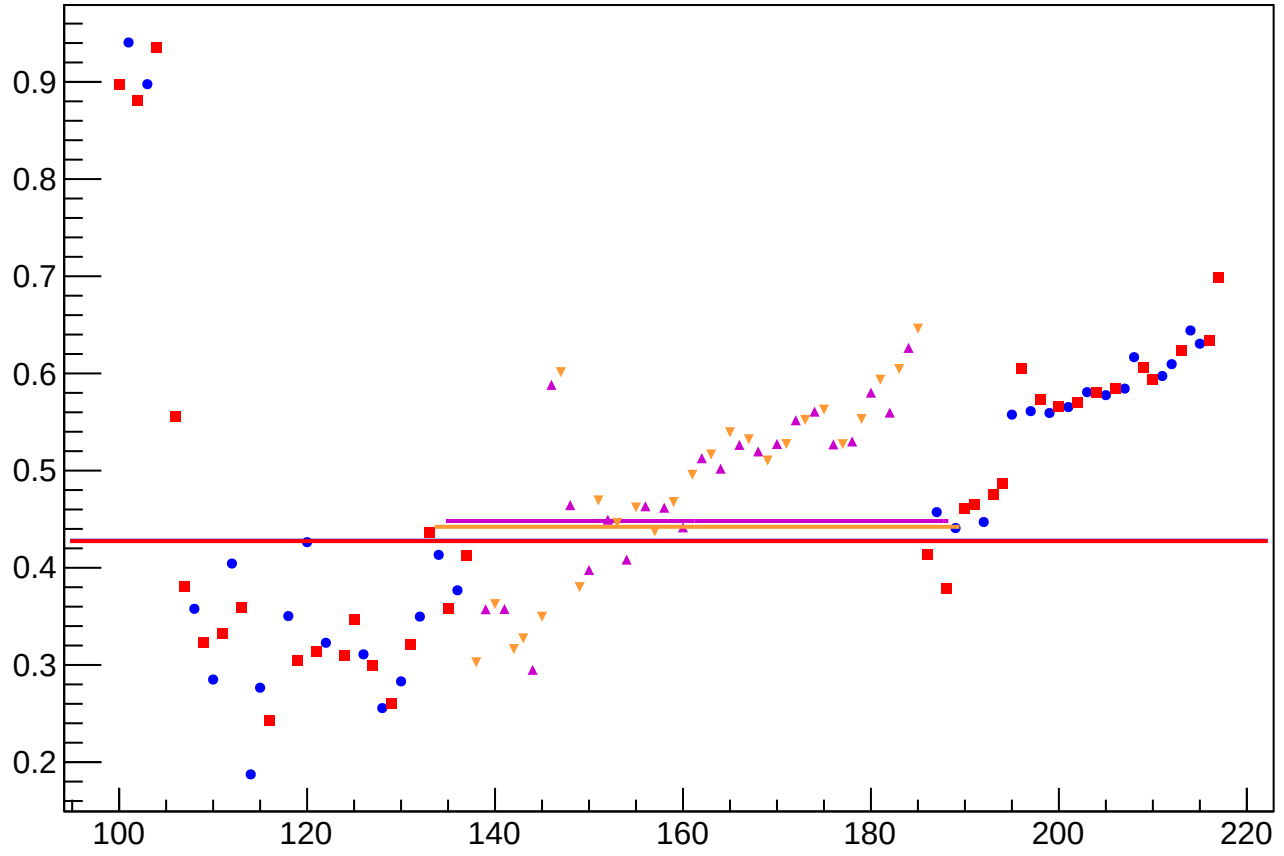
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.486+/-0.000 χ^2/NDF: 4221933945.4/55

All: 145.845+/-0.000 χ^2/NDF: 13296493791.

- sign 145.208+/-0.000 χ^2/NDF: 8926660805.6/58

yield_bcm_dg_us_rms vs Slug



Right In: 0.428+/-0.000 χ^2/NDF: 3779246.1/30

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

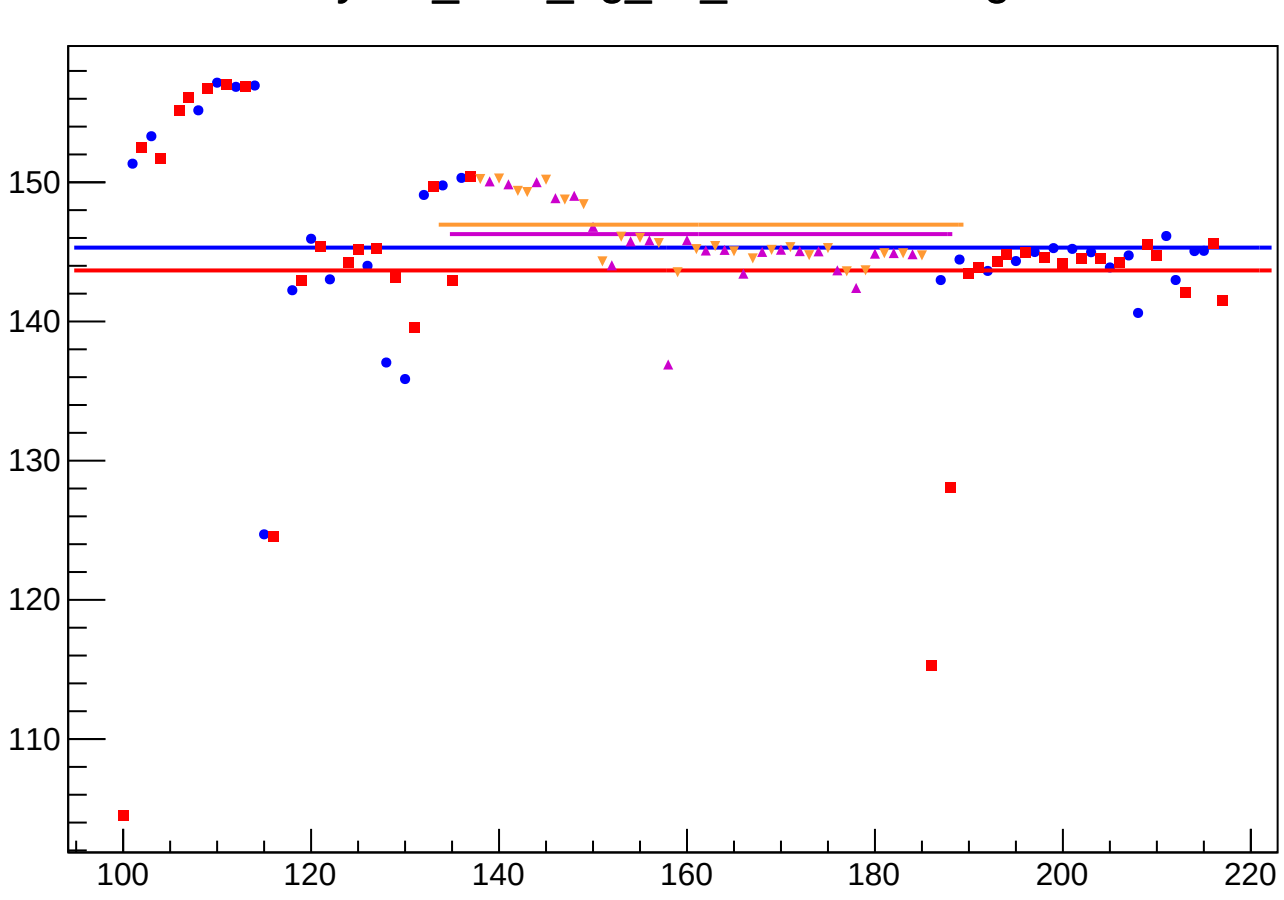
Right Out: 0.427+/-0.000 χ^2/NDF: 3732788.7/35

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.435+/-0.000 χ^2/NDF: 5501943.1/55

All: 0.436+/-0.000 χ^2/NDF: 10622025.6/114

- sign 0.437+/-0.000 χ^2/NDF: 5119345.6/58



Right In: 145.307+/-0.000 χ^2/NDF: 3734241762.9/30

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

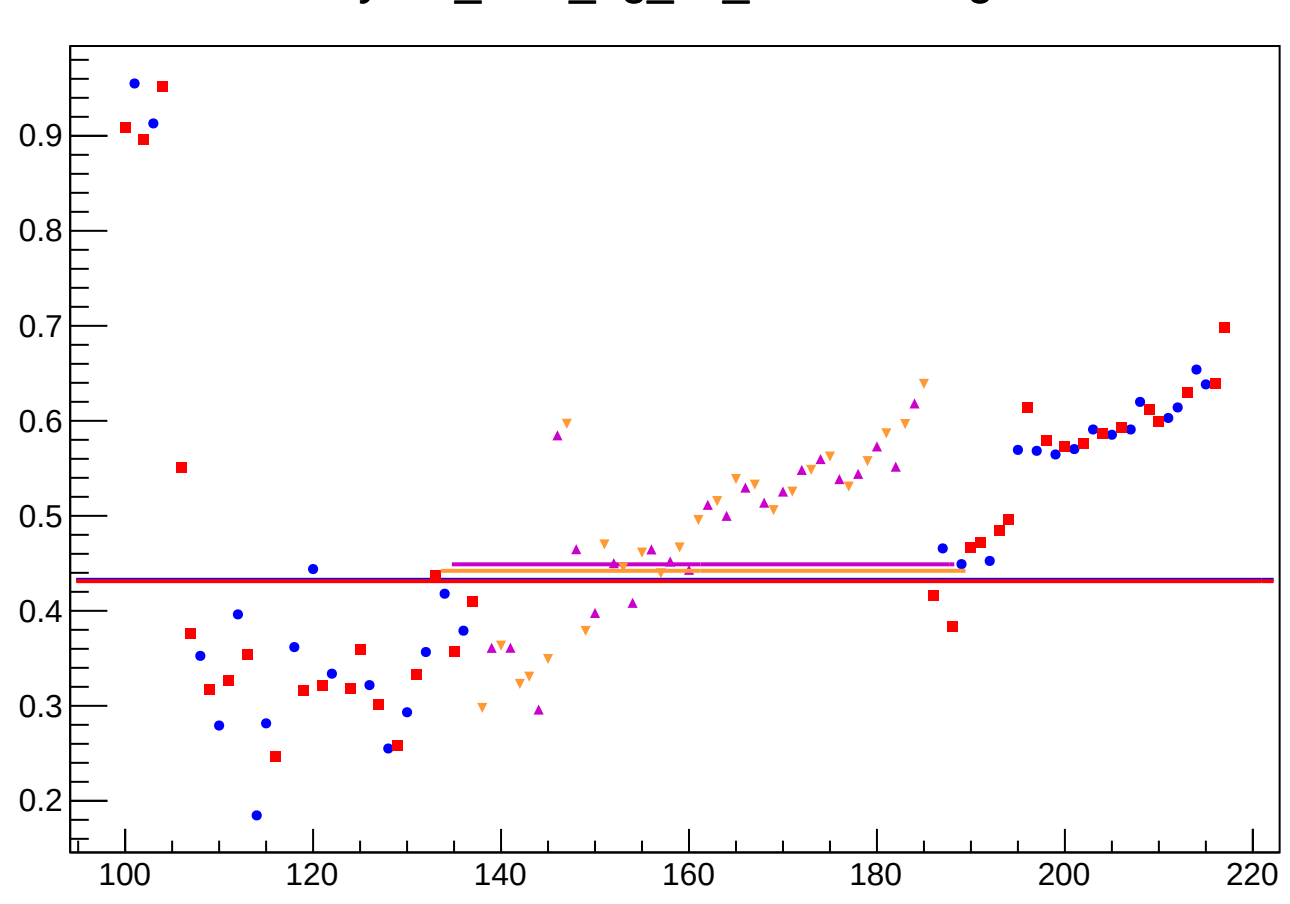
Right Out: 143.667+/-0.000 χ^2/NDF: 7704709678.5/35

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.152+/-0.000 χ^2/NDF: 4398189984.4/55

All: 145.523+/-0.000 χ^2/NDF: 13373933494.

- sign 144.899+/-0.000 χ^2/NDF: 8835106123.1/58



Right In: 0.433+/-0.000 χ^2/NDF: 3813136.5/30

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

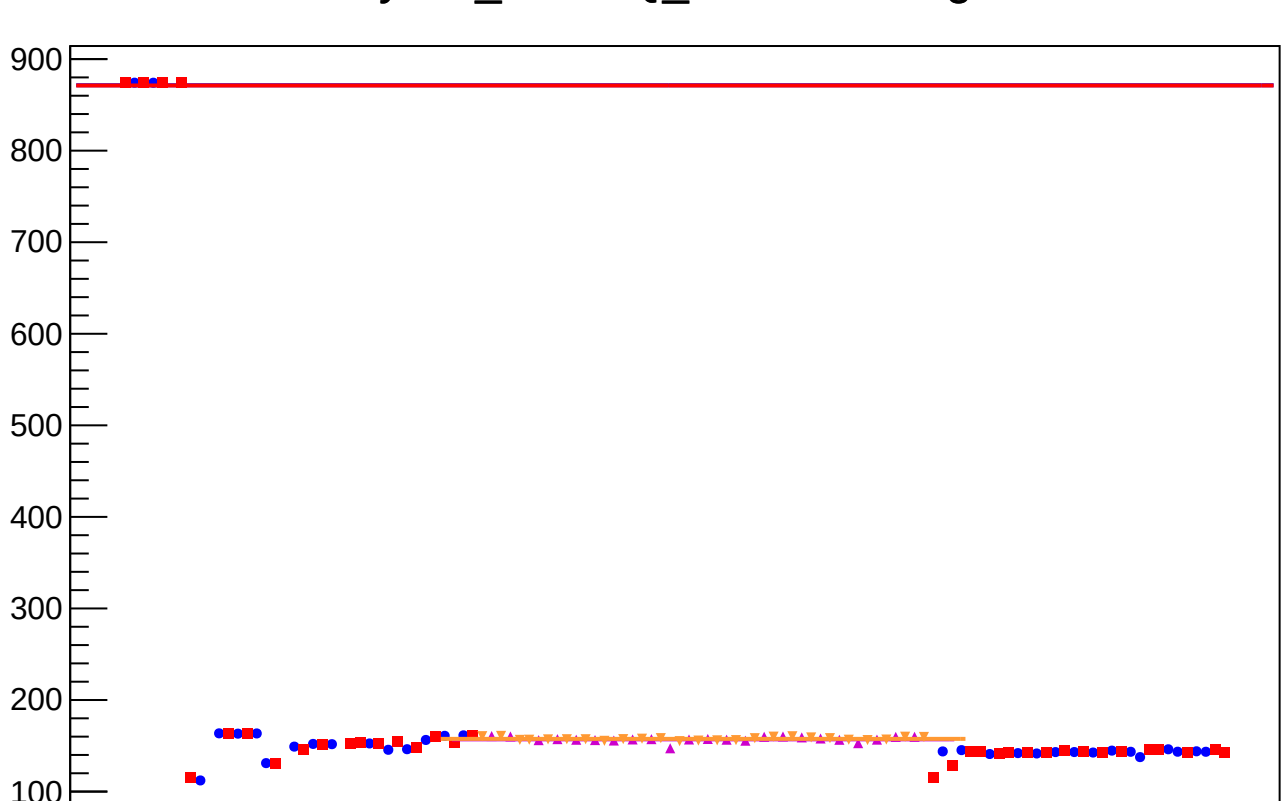
Right Out: 0.431+/-0.000 χ^2/NDF: 3753380.3/35

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.438+/-0.000 χ^2/NDF: 5497821.5/55

All: 0.439+/-0.000 χ^2/NDF: 10580720.7/114

- sign 0.440+/-0.000 χ^2/NDF: 5082107.0/58



Right In: 871.426+/-0.000 χ^2/NDF: 14453199562927.7/30

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.178+/-0.000 χ^2/NDF: 18173251076504.9/35

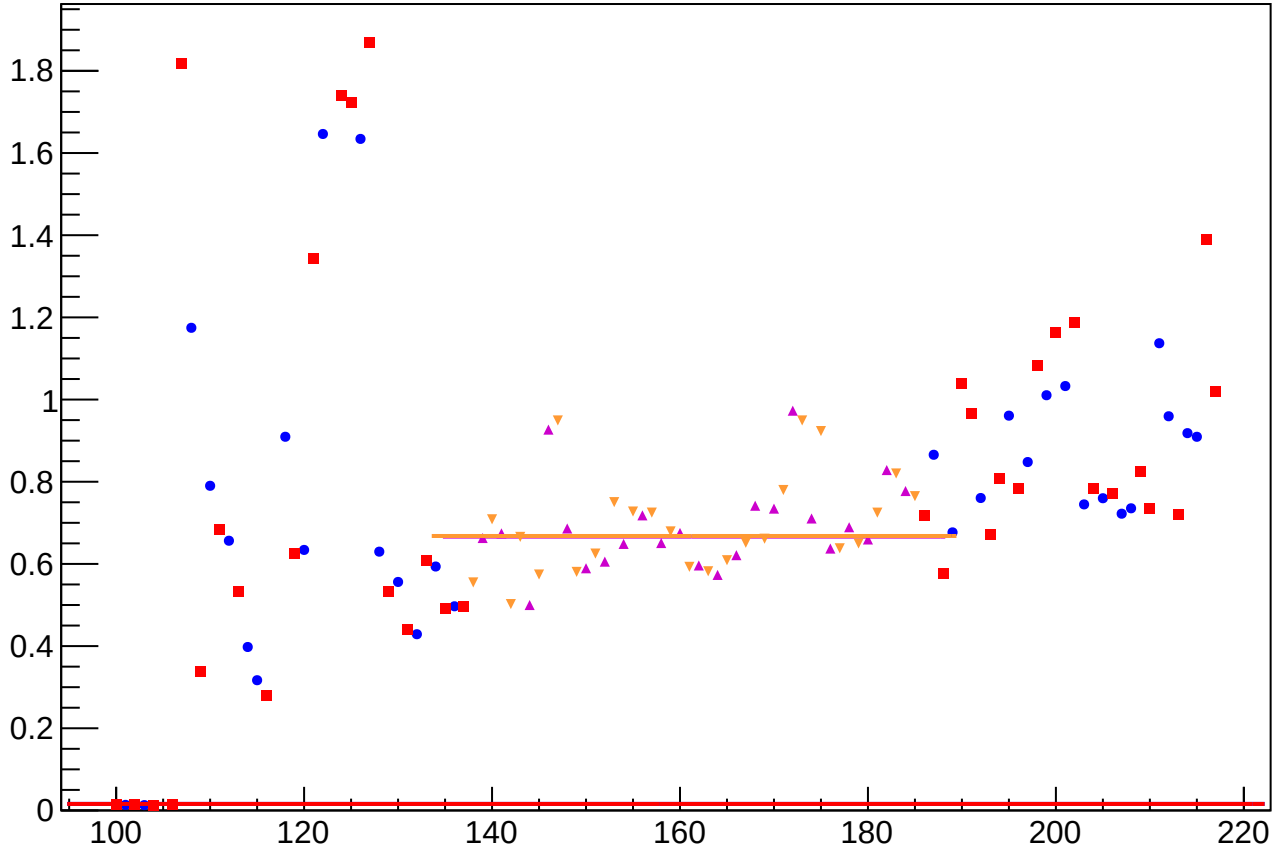
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.054+/-0.000 χ^2/NDF: 31637200899718.

All: 868.226+/-0.000 χ^2/NDF: 66275705779

- sign 868.375+/-0.000 χ^2/NDF: 34638107883499.

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 28305941.0/30

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 31144482.6/35

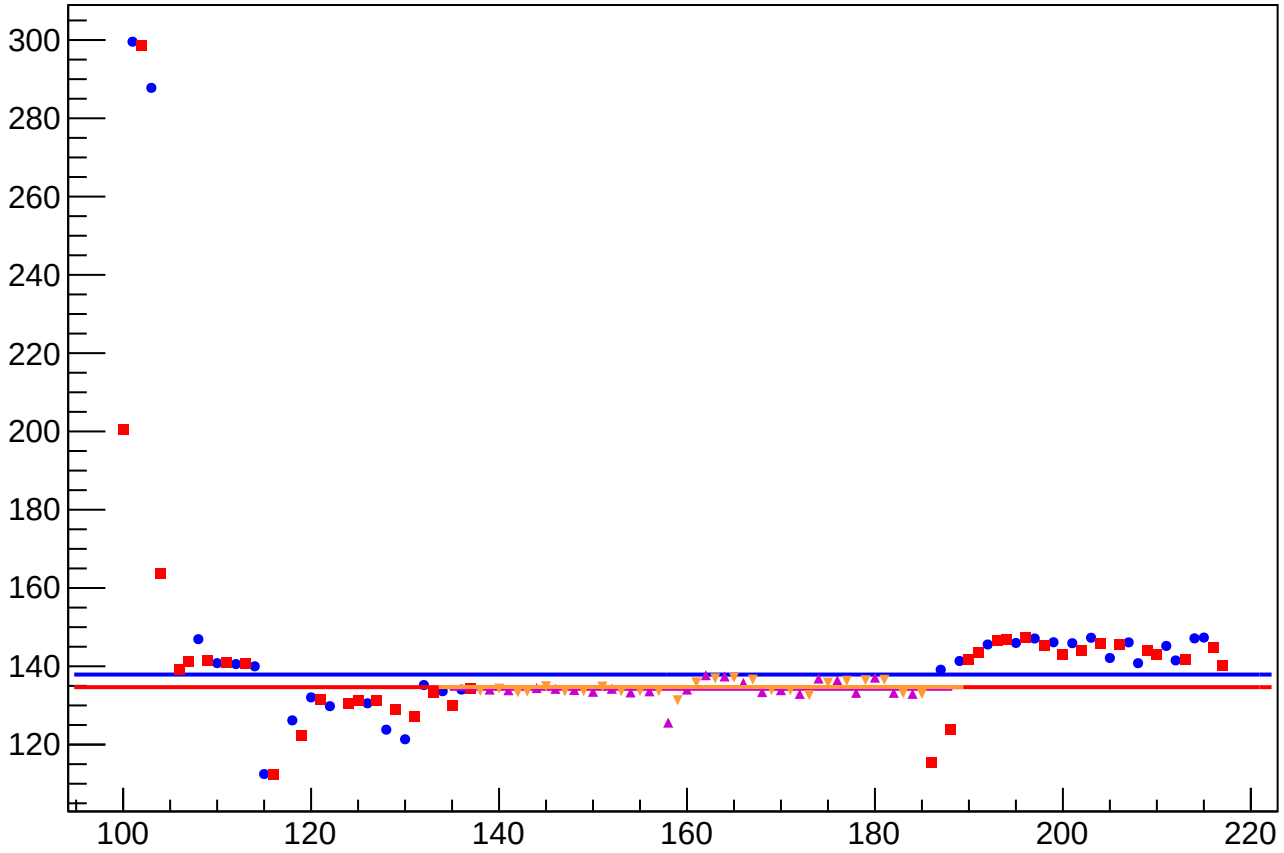
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 57659588.4/55

All: 0.019+/-0.000 χ^2/NDF: 116673081.3/114

- sign 0.018+/-0.000 χ^2/NDF: 59010444.4/58

yield_cav4cQ_mean vs Slug



Right In: 137.889+/-0.000 χ^2/NDF: 3730607694.2/30

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 134.669+/-0.000 χ^2/NDF: 5539726651.9/35

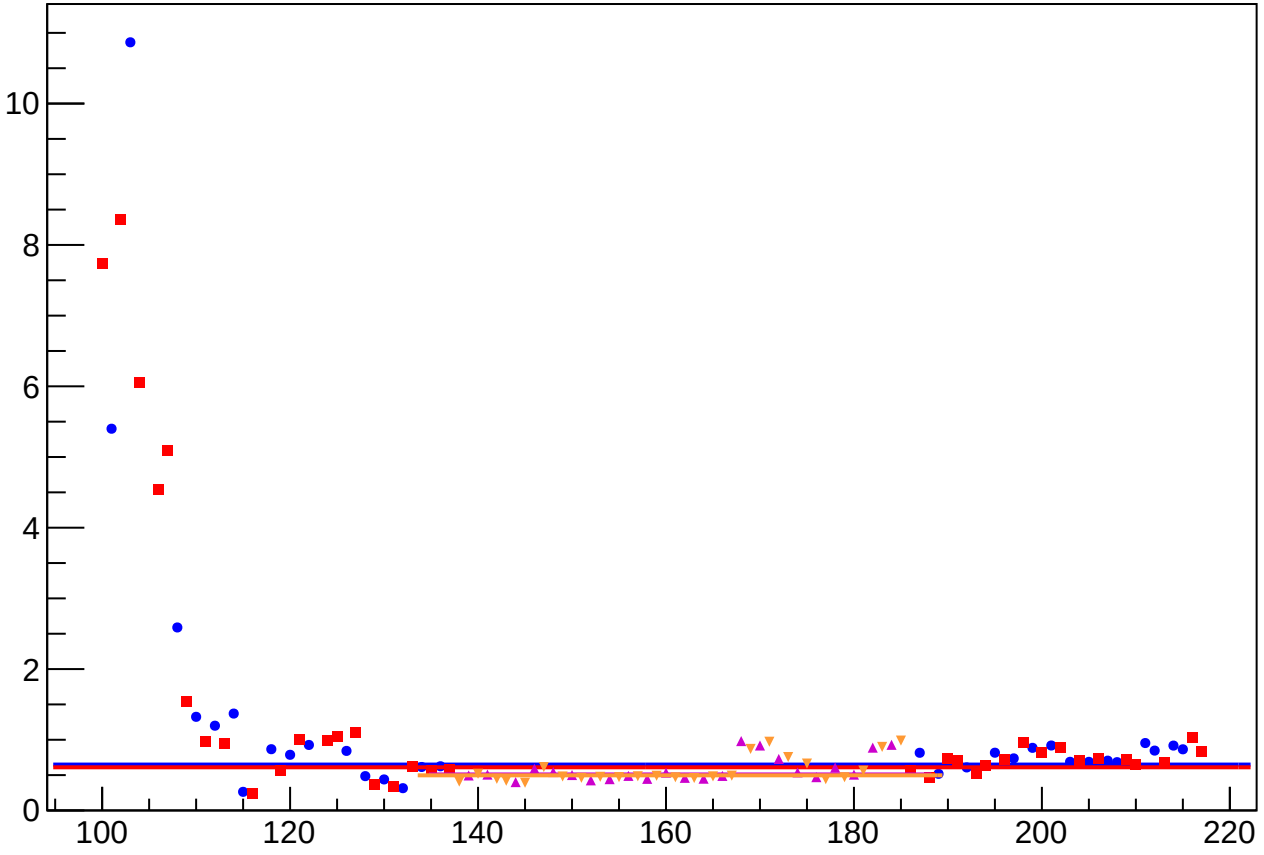
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.729+/-0.000 χ^2/NDF: 4106191830.2/55

All: 135.069+/-0.000 χ^2/NDF: 10176946626.

- sign 134.413+/-0.000 χ^2/NDF: 5985374003.9/58

yield_cav4cQ_rms vs Slug



Right In: 0.649+/-0.000 χ^2/NDF: 5403311.1/30

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.610+/-0.000 χ^2/NDF: 6400051.5/35

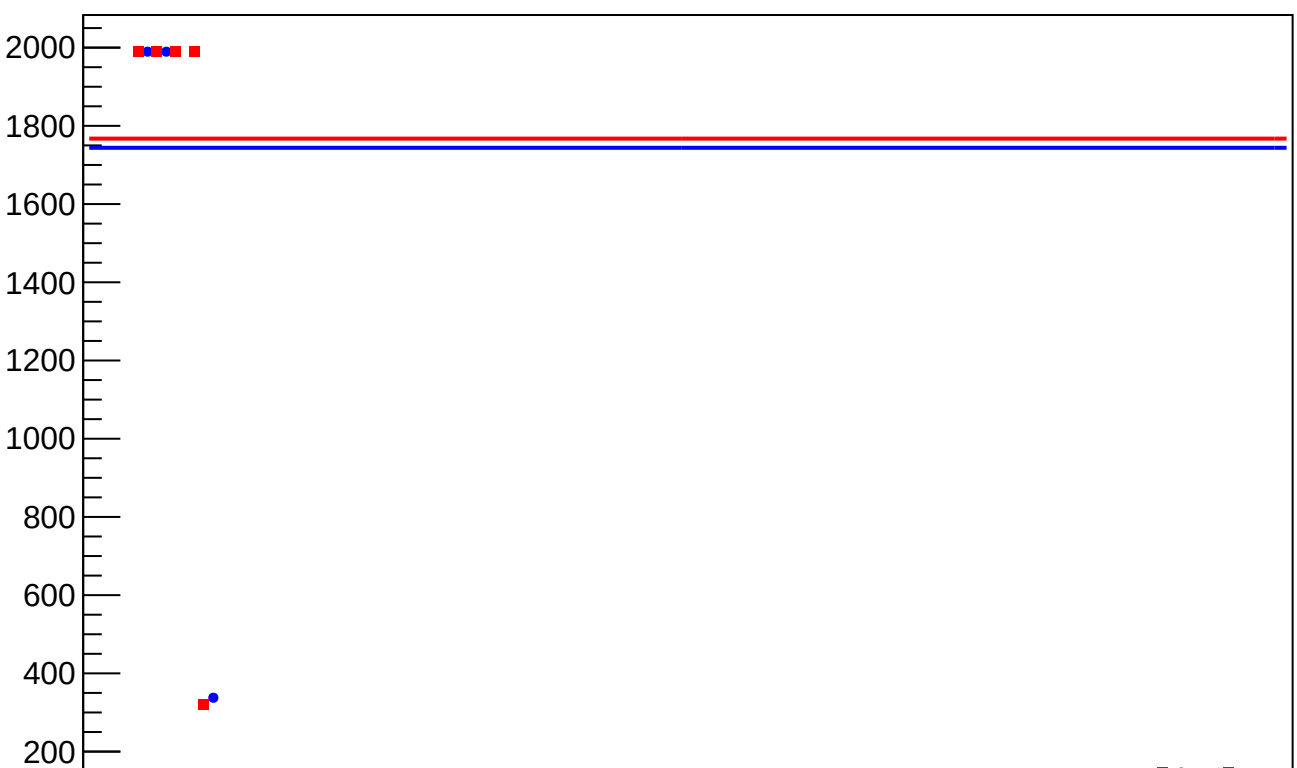
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.546+/-0.000 χ^2/NDF: 7966243.5/55

All: 0.547+/-0.000 χ^2/NDF: 16331573.9/114

- sign 0.549+/-0.000 χ^2/NDF: 8364255.2/58

yield_cav4dQ_mean vs Slug



Right In: 1743.880+/-0.000 χ^2/NDF: 238653074763240.6/30

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1767.353+/-0.000 χ^2/NDF: 256062343180723.6/35

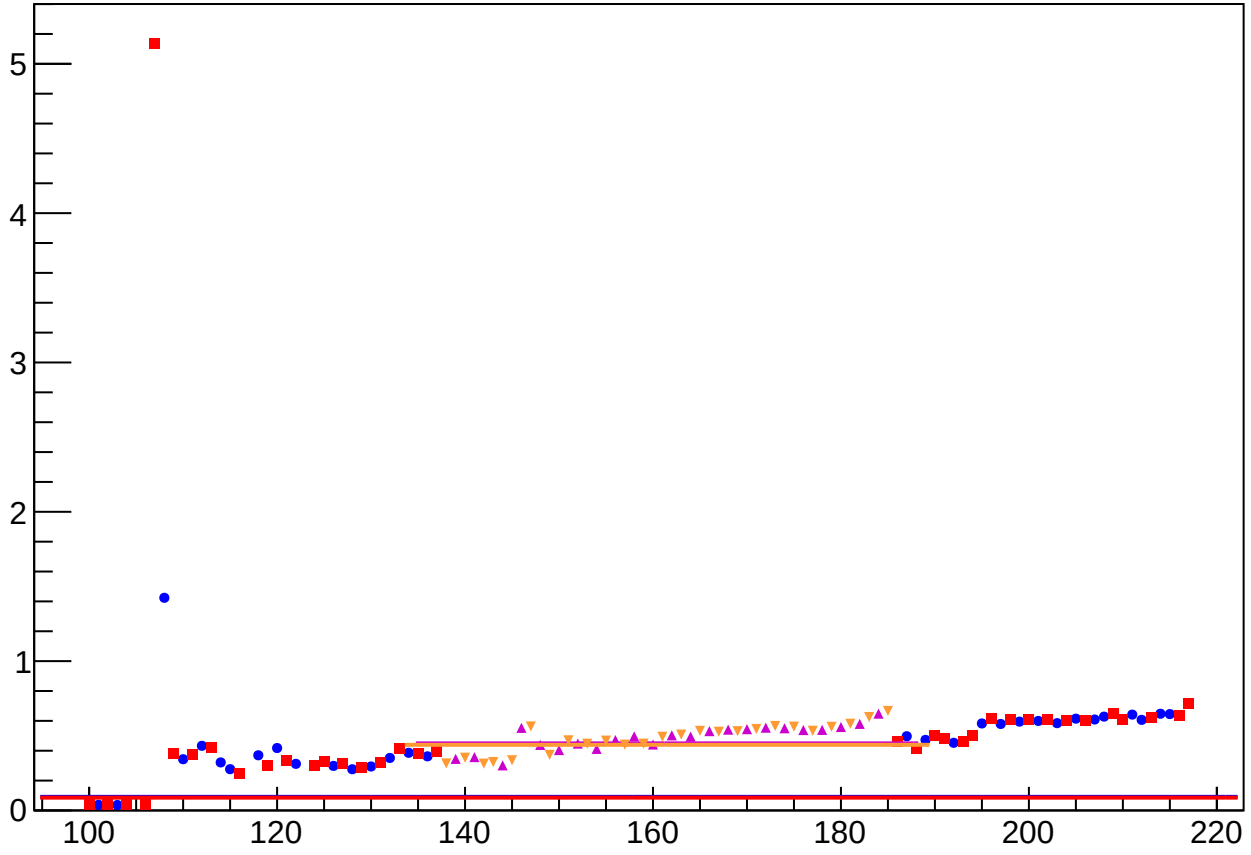
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1530.021+/-0.000 χ^2/NDF: 4463189789450

All: 1563.218+/-0.000 χ^2/NDF: 9051551364

- sign 1592.479+/-0.000 χ^2/NDF: 45739019585335

yield_cav4dQ_rms vs Slug



Right In: 0.091+/-0.000 χ^2/NDF: 25681165.8/30

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.086+/-0.000 χ^2/NDF: 27354116.5/35

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.137+/-0.000 χ^2/NDF: 47003219.6/55

All: 0.131+/-0.000 χ^2/NDF: 95830082.1/114

- sign 0.125+/-0.000 χ^2/NDF: 48709853.2/58

Right In: 158.912+/-0.000 χ^2/NDF: 16066242794.6/30

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.697+/-0.000 χ^2/NDF: 18380147224.3/35

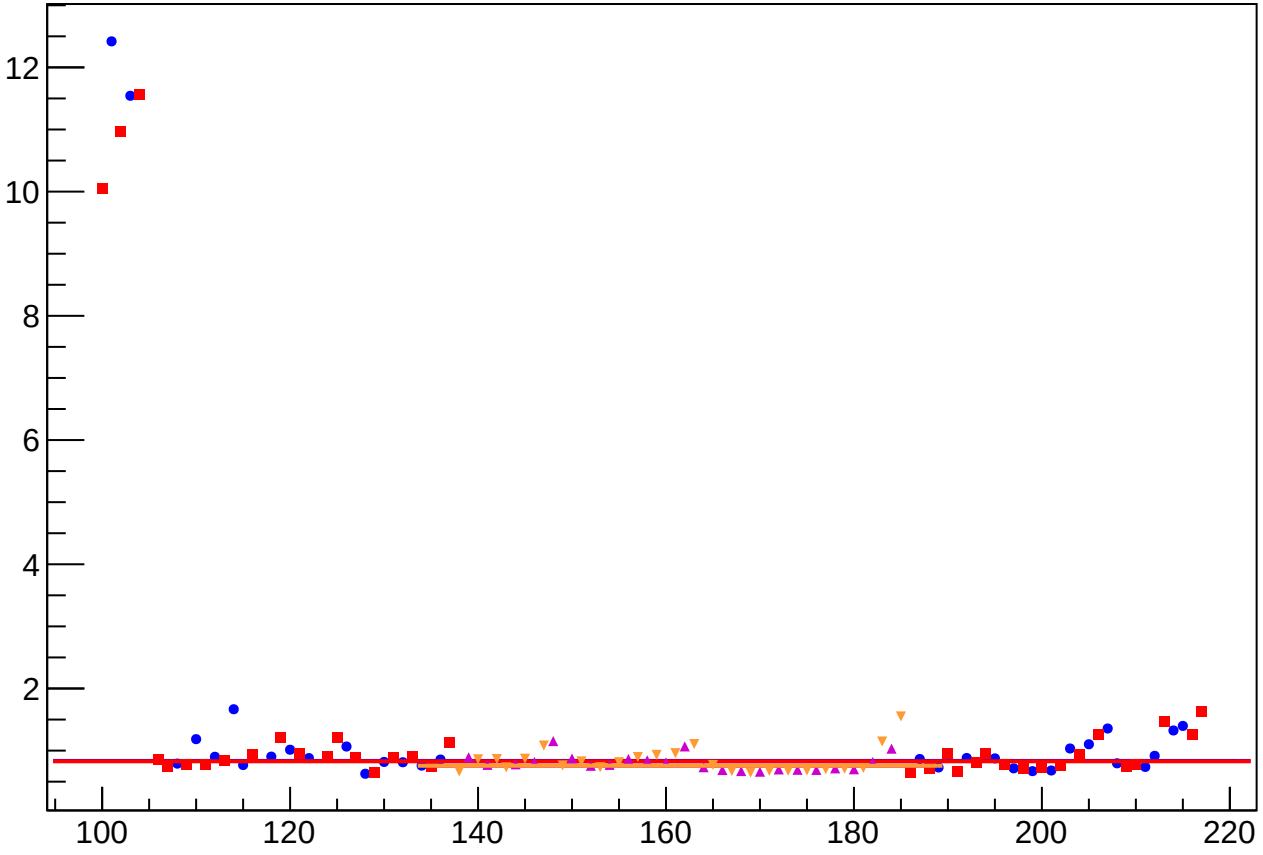
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.194+/-0.000 χ^2/NDF: 19857547275.5/55

All: 159.595+/-0.000 χ^2/NDF: 42071368837.

- sign 159.011+/-0.000 χ^2/NDF: 22183554917.7/58

yield_bcm0l02_rms vs Slug



Right In: 0.834+/-0.000 χ^2/NDF: 3250625.1/30

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.828+/-0.000 χ^2/NDF: 3243816.2/35

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.789+/-0.000 χ^2/NDF: 4126253.5/55

All: 0.789+/-0.000 χ^2/NDF: 7957361.5/114

- sign 0.789+/-0.000 χ^2/NDF: 3831100.5/58

Right In: 156839.818+/-0.046 χ^2/NDF: 45893971197.2/30

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

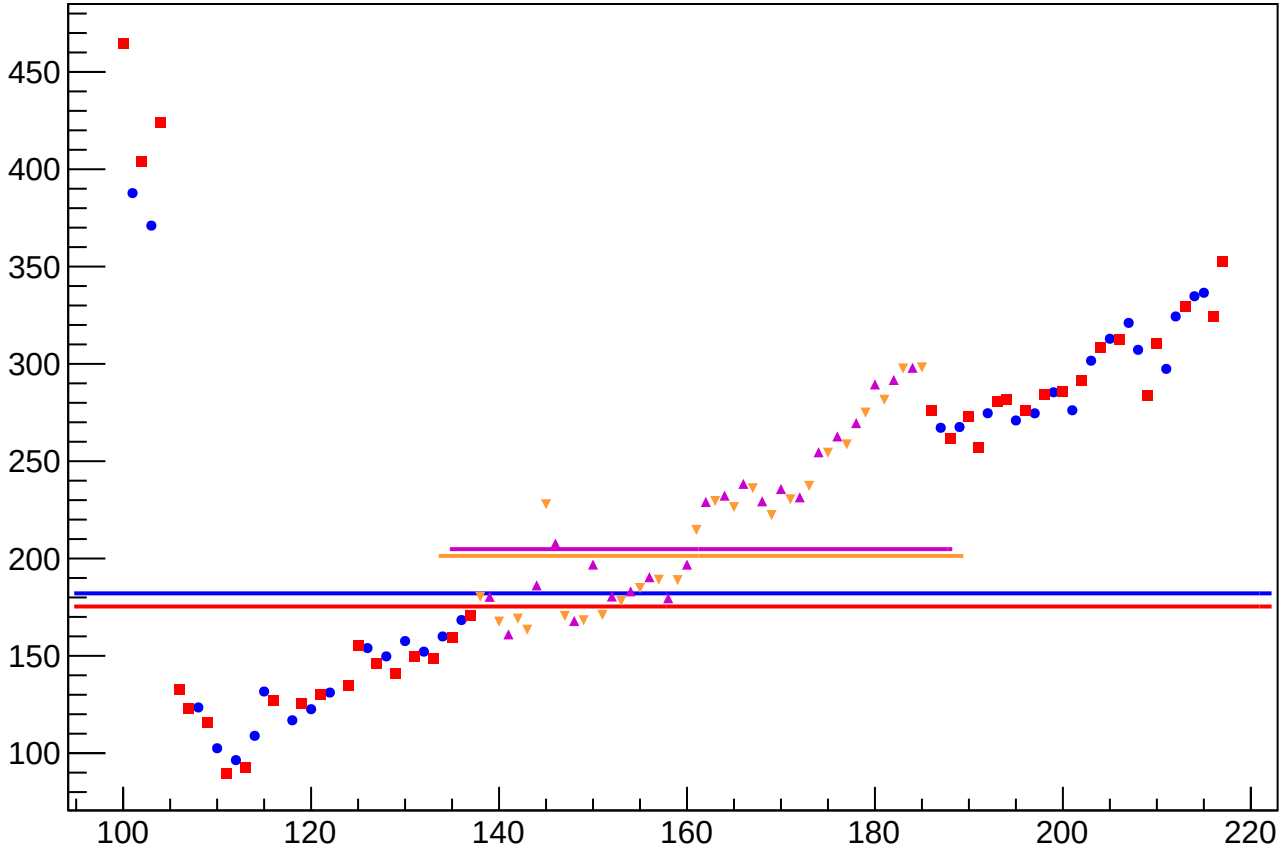
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162035.268+/-0.033 χ^2/NDF: 131331515214

All: 161676.280+/-0.023 χ^2/NDF: 26446803

- sign 161326.833+/-0.032 χ^2/NDF: 132900148487

yield_bpm2i01WS_rms vs Slug



Right In: 182.100+/-0.033 χ^2/NDF: 6517976.1/30

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

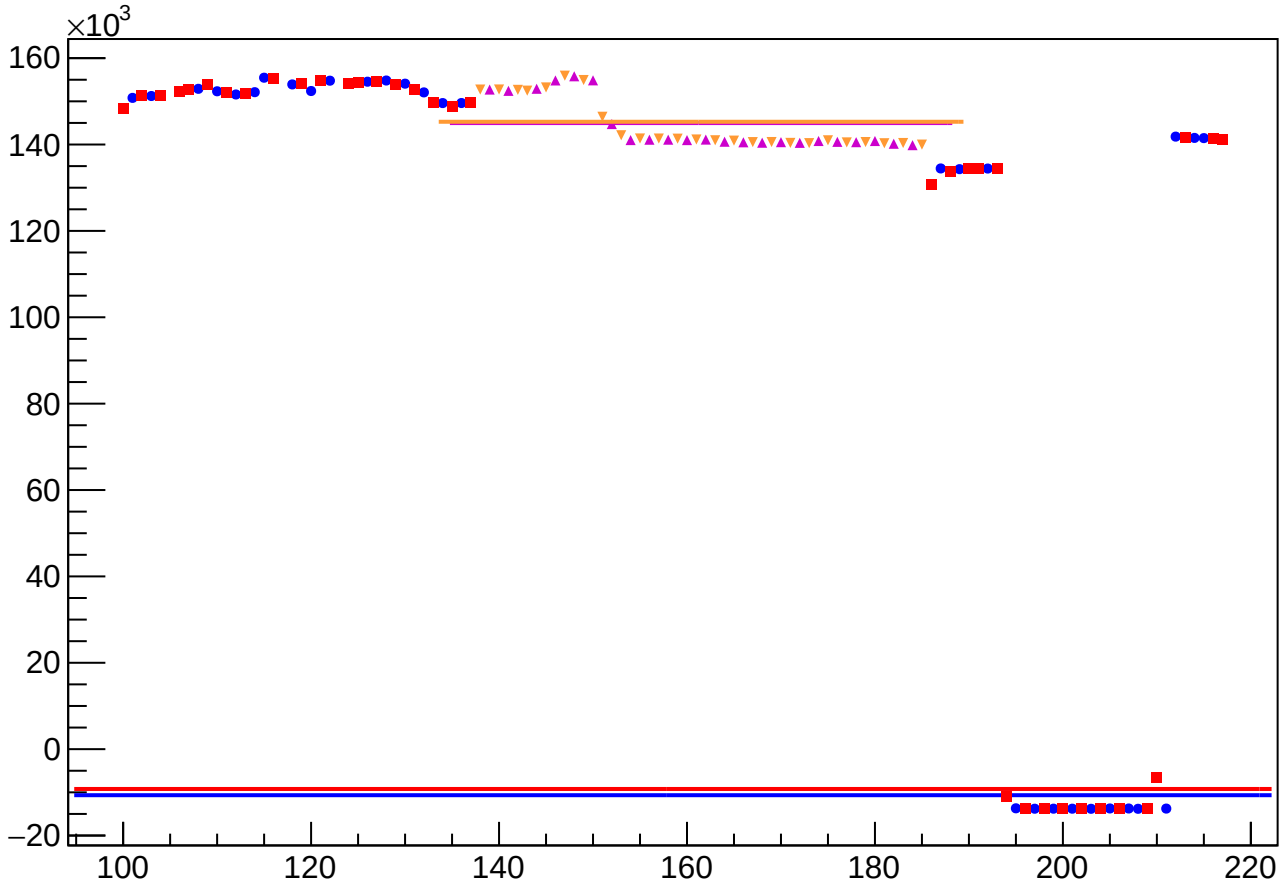
Right Out: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 191.573+/-0.023 χ^2/NDF: 7920415.8/55

All: 189.902+/-0.016 χ^2/NDF: 16993127.8/11

- sign 188.276+/-0.023 χ^2/NDF: 9062470.0/58



Right In: -10661.166+/-0.009 χ^2/NDF: 6498989865505.2/30

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

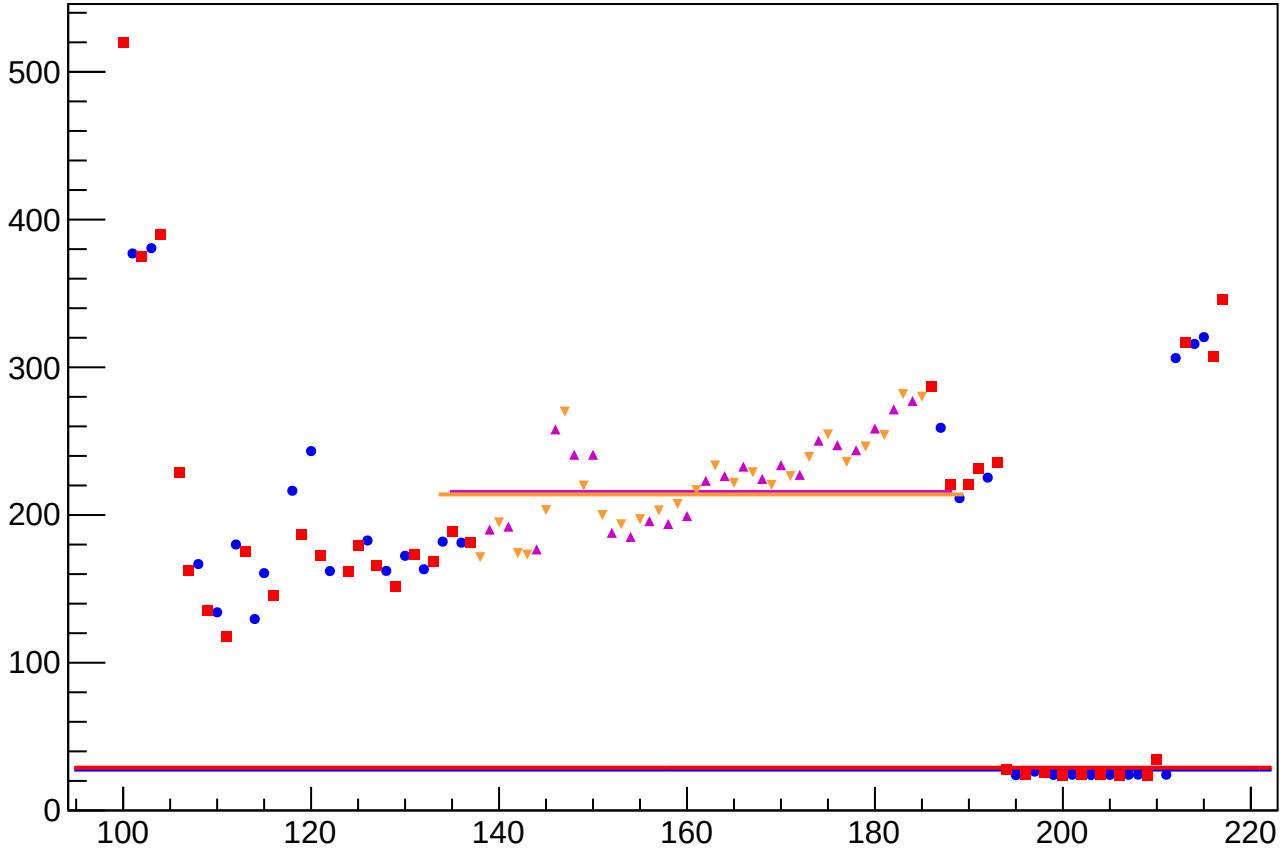
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5926.211+/-0.009 χ^2/NDF: 1617850229439

All: -5129.987+/-0.006 χ^2/NDF: 3266930347

- sign -4215.639+/-0.009 χ^2/NDF: 16472412178762

yield_bpm0i07WS_rms vs Slug



Right In: 27.663+/-0.006 χ^2/NDF: 17069043.1/30

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

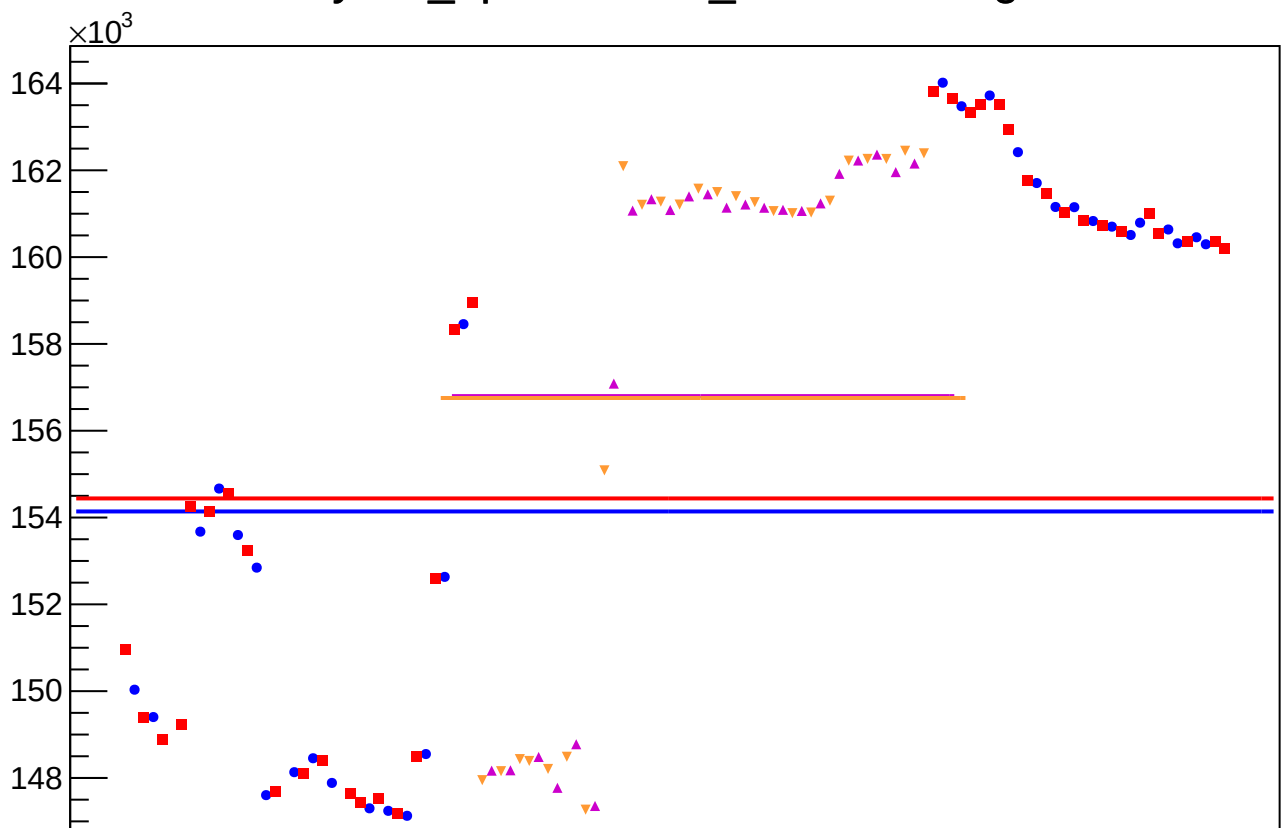
Right Out: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.320+/-0.006 χ^2/NDF: 45311066.3/55

All: 34.096+/-0.004 χ^2/NDF: 90300787.5/114

- sign 34.987+/-0.007 χ^2/NDF: 44954783.1/58



Right In: 154140.302+/-0.052 χ^2/NDF: 12640690542.9/30

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154440.188+/-0.049 χ^2/NDF: 13601275321.6/35

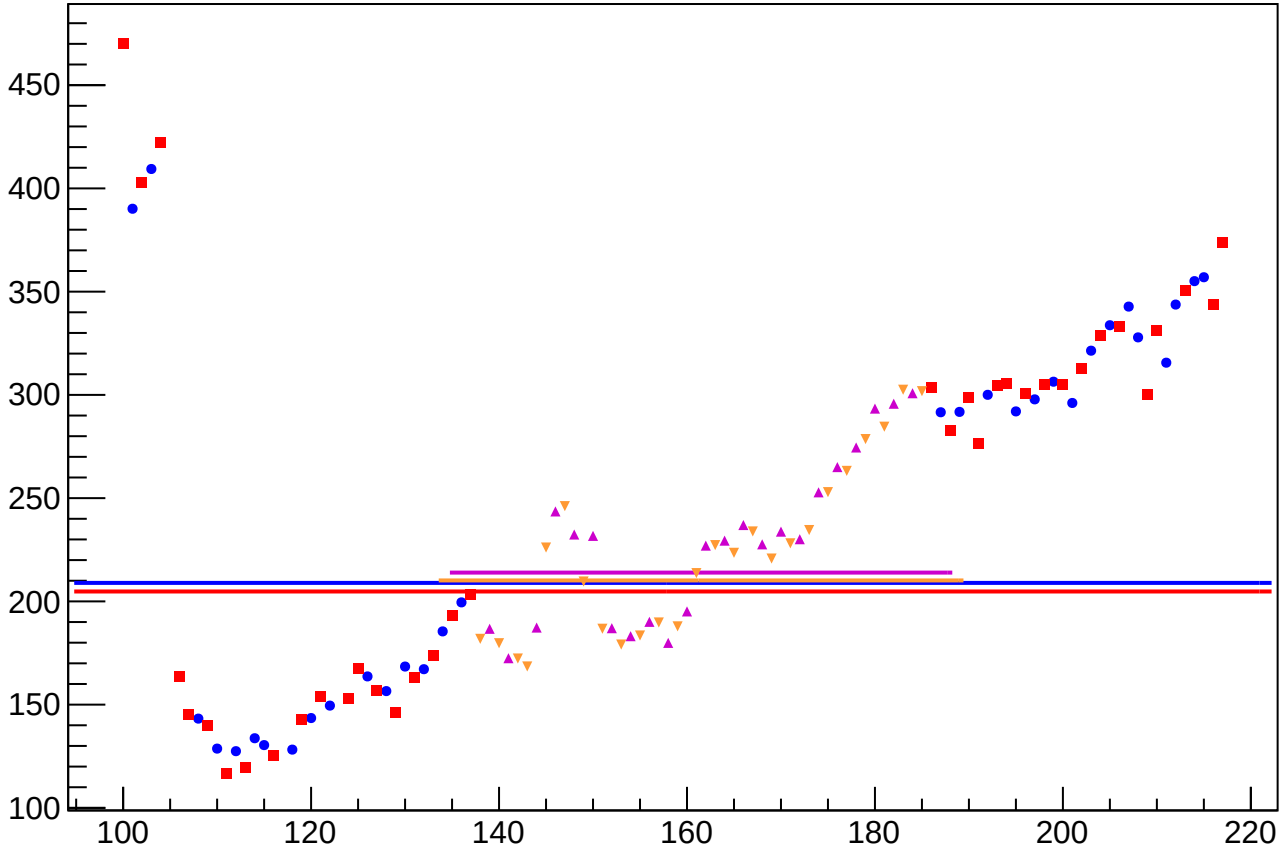
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155532.228+/-0.035 χ^2/NDF: 30371687962.

All: 155558.338+/-0.025 χ^2/NDF: 5942034

- sign 155584.450+/-0.035 χ^2/NDF: 29047570195.

yield_bpm0i01WS_rms vs Slug



Right In: 208.958+/-0.037 χ^2/NDF: 5407335.9/30

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

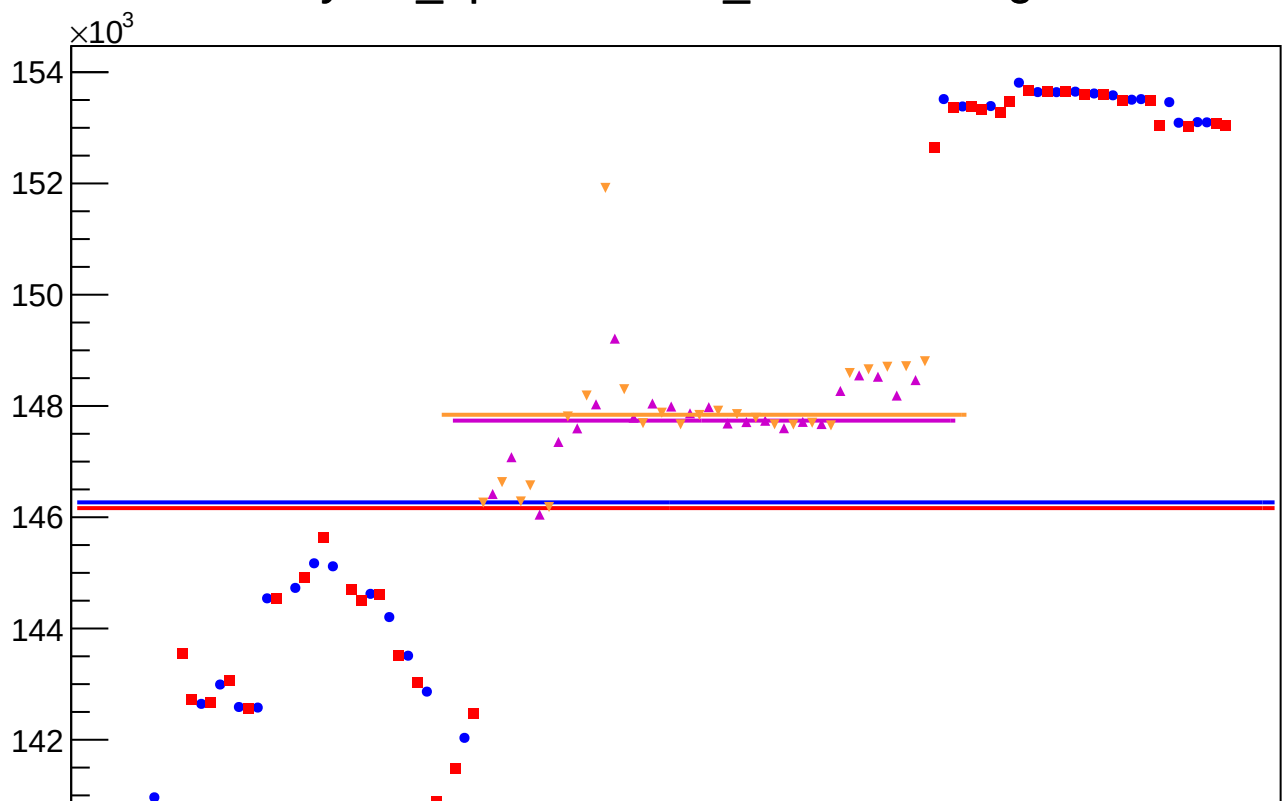
Right Out: 204.794+/-0.035 χ^2/NDF: 6061526.9/35

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 209.589+/-0.025 χ^2/NDF: 6405692.7/55

All: 209.412+/-0.018 χ^2/NDF: 13414989.1/11

- sign 209.235+/-0.025 χ^2/NDF: 7009197.4/58



Right In: 146267.370+/-0.045 χ^2/NDF: 11184850331.6/30

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 146163.875+/-0.042 χ^2/NDF: 12387255213.5/35

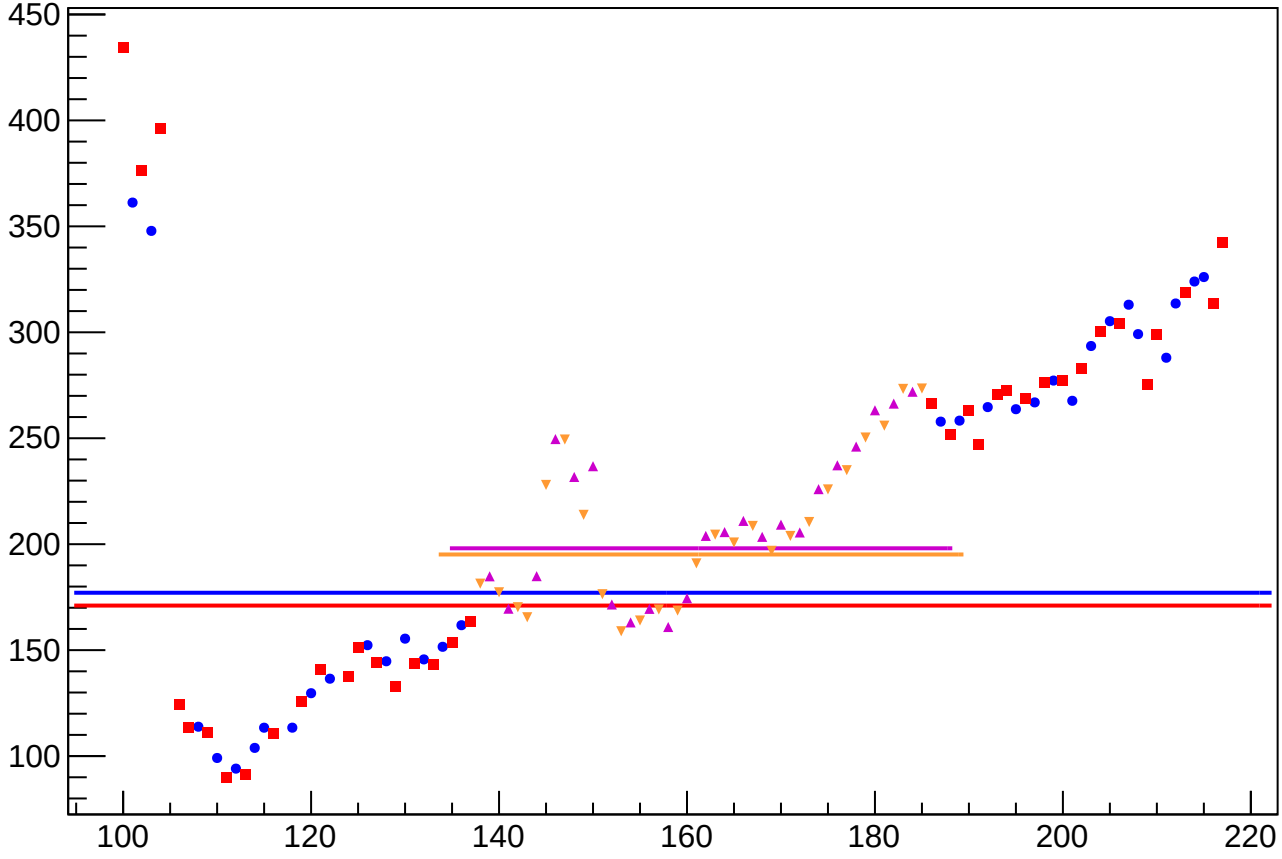
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 147048.364+/-0.032 χ^2/NDF: 12511657581.

All: 146952.892+/-0.022 χ^2/NDF: 25763362

- sign 146859.790+/-0.031 χ^2/NDF: 13233881166.7

yield_bpm0i01aWS_rms vs Slug



Right In: 177.083+/-0.032 χ^2/NDF: 6451233.3/30

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

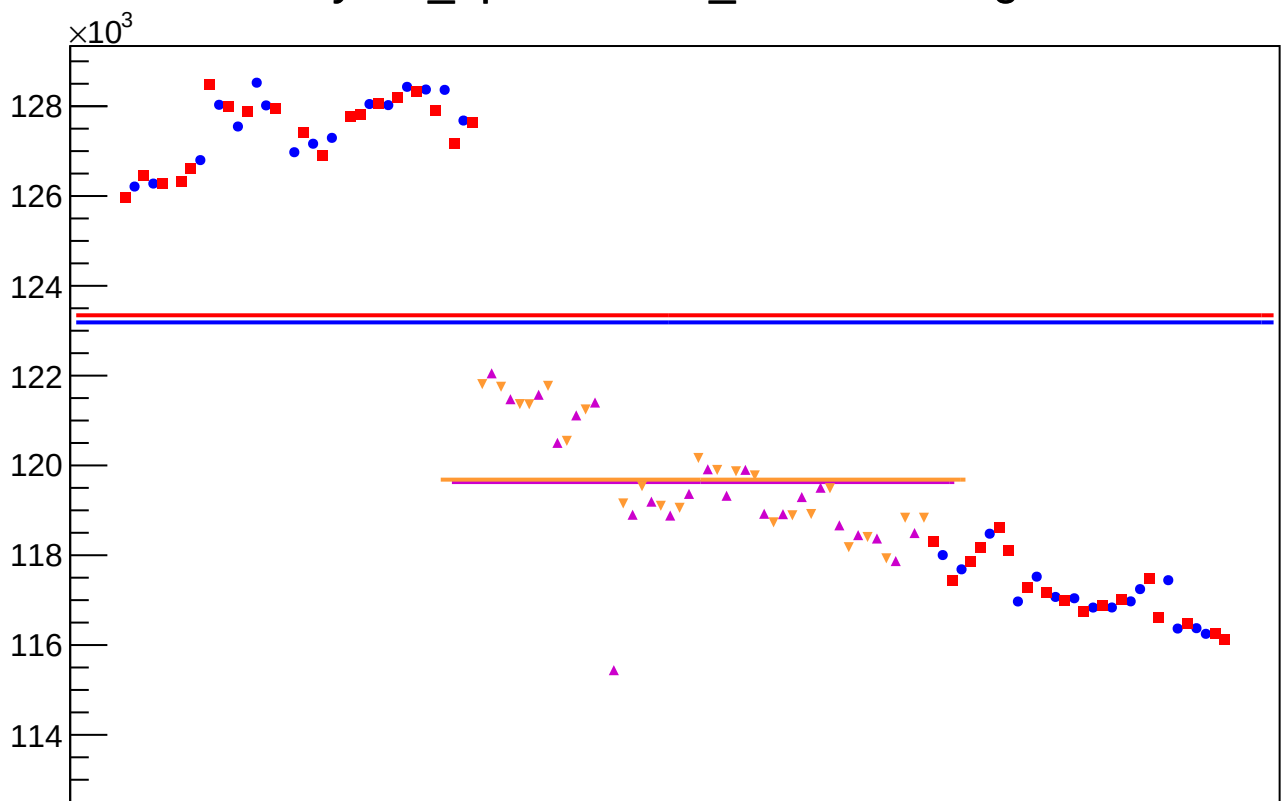
Right Out: 171.030+/-0.030 χ^2/NDF: 7427306.3/35

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 186.041+/-0.022 χ^2/NDF: 7516708.0/55

All: 184.495+/-0.016 χ^2/NDF: 16219587.3/11

- sign 182.988+/-0.022 χ^2/NDF: 8693536.5/58



Right In: 123185.417+/-0.044 χ^2/NDF: 14164243709.9/30

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123343.765+/-0.042 χ^2/NDF: 15515771414.4/35

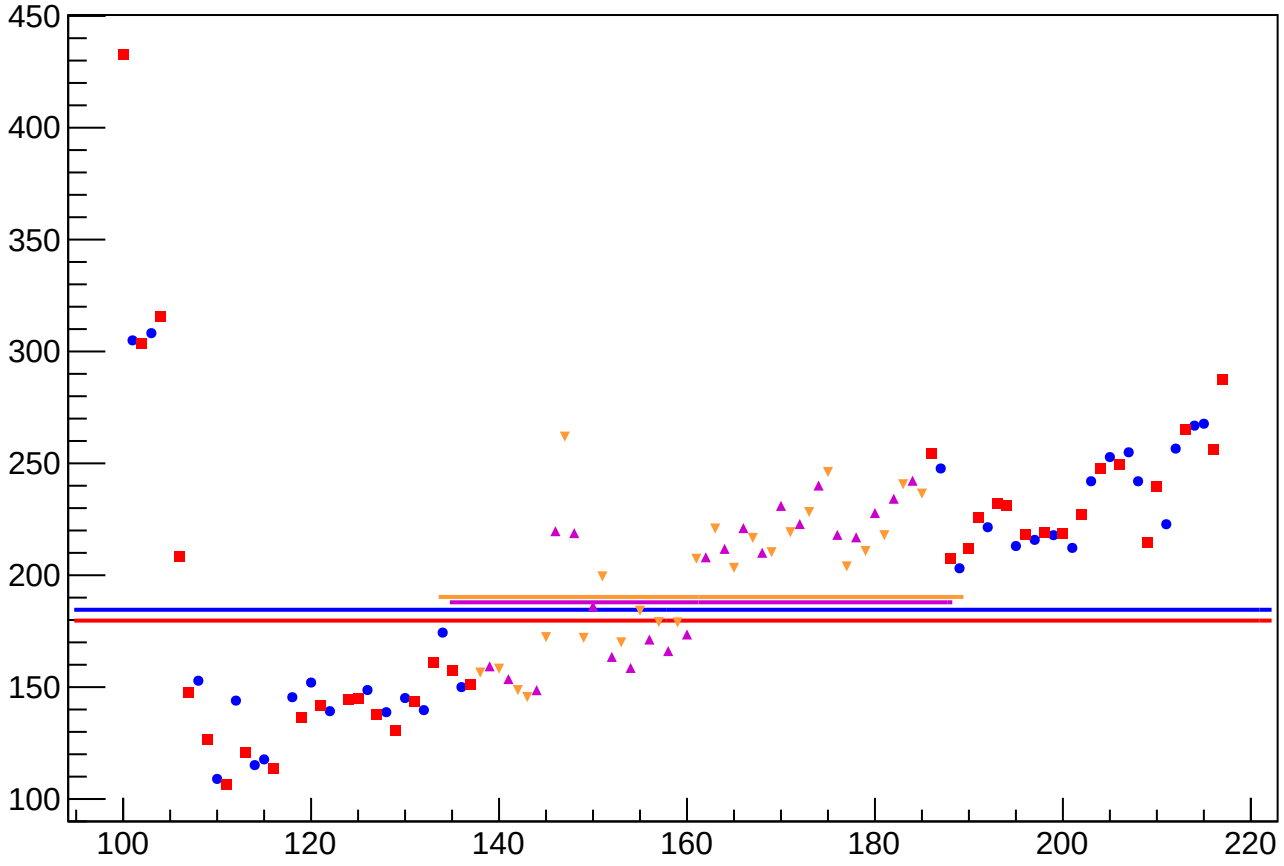
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121437.869+/-0.031 χ^2/NDF: 19285774359.5

All: 121529.845+/-0.022 χ^2/NDF: 39785512

- sign 121618.285+/-0.031 χ^2/NDF: 20482766467.4

yield_bpm0l01WS_rms vs Slug



Right In: 184.571+/-0.031 χ^2/NDF: 2784665.5/30

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

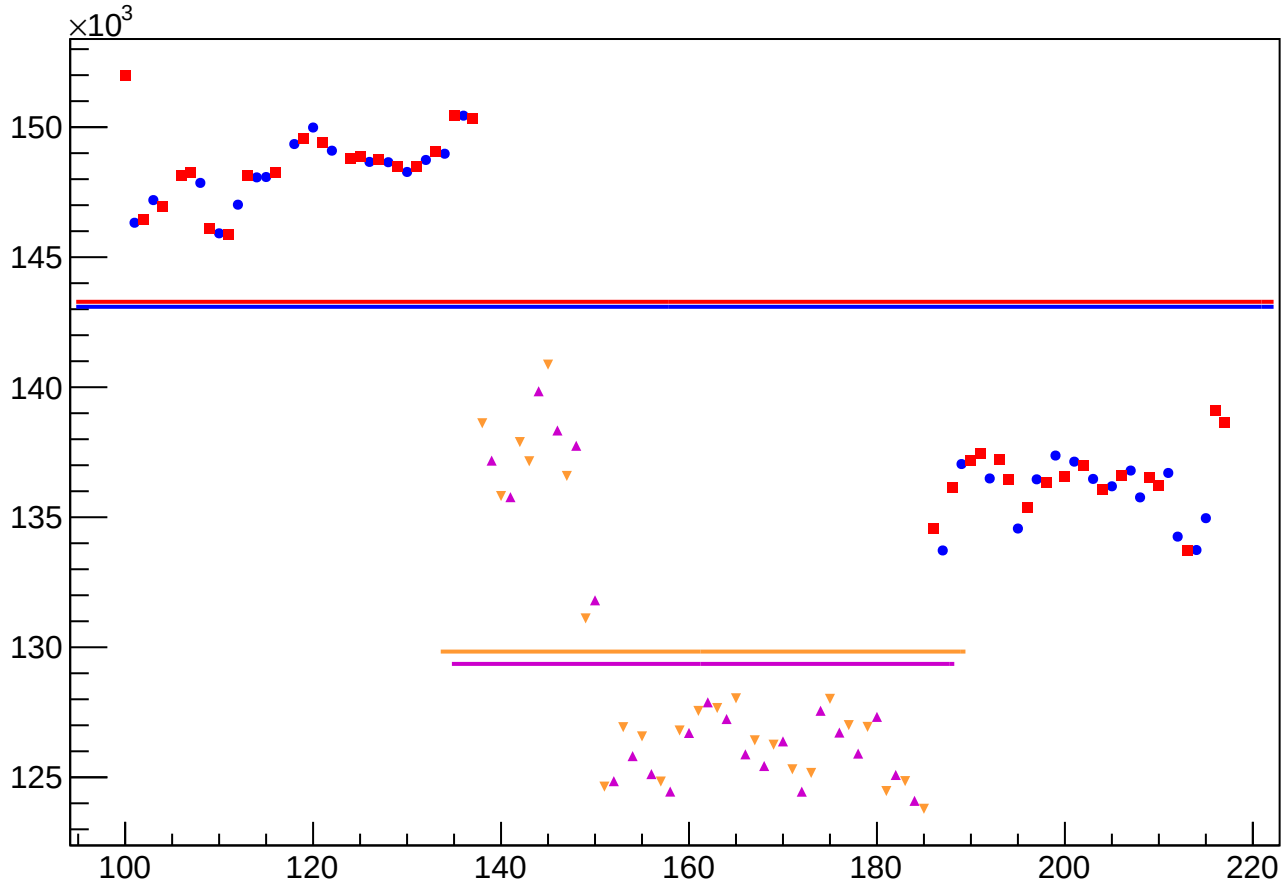
Right Out: 179.732+/-0.030 χ^2/NDF: 3509059.3/35

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 187.429+/-0.022 χ^2/NDF: 3725979.1/55

All: 185.441+/-0.015 χ^2/NDF: 8212301.3/114

- sign 183.531+/-0.022 χ^2/NDF: 4470477.4/58



Right In: 143092.062+/-0.062 χ^2/NDF: 10516338158.9/30

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143284.707+/-0.058 χ^2/NDF: 10515022870.0/35

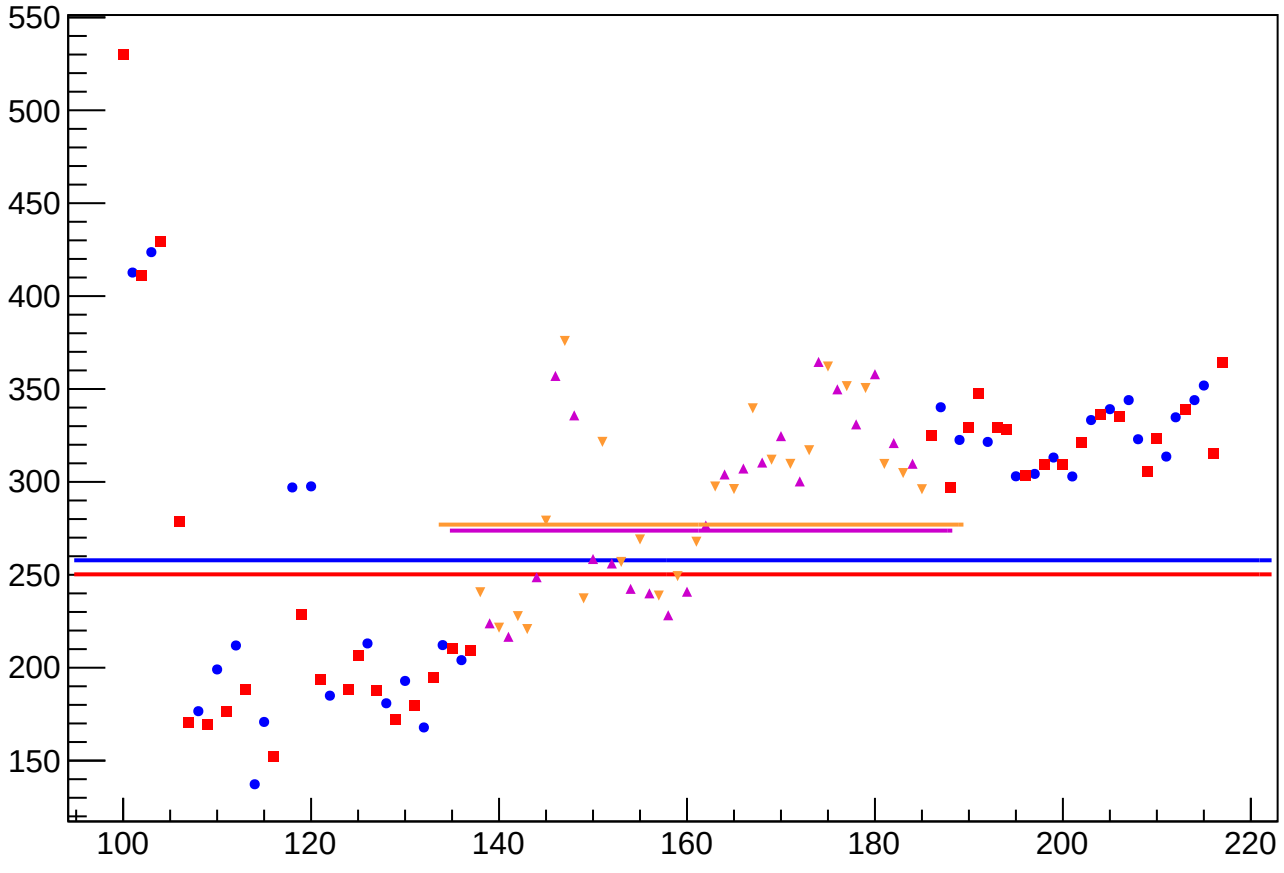
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136726.287+/-0.044 χ^2/NDF: 39479023142.

All: 136933.972+/-0.031 χ^2/NDF: 819991556

- sign 137132.030+/-0.043 χ^2/NDF: 42477551129.8

yield_bpm0l02WS_rms vs Slug



Right In: 257.814+/-0.044 χ^2/NDF: 2797461.4/30

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

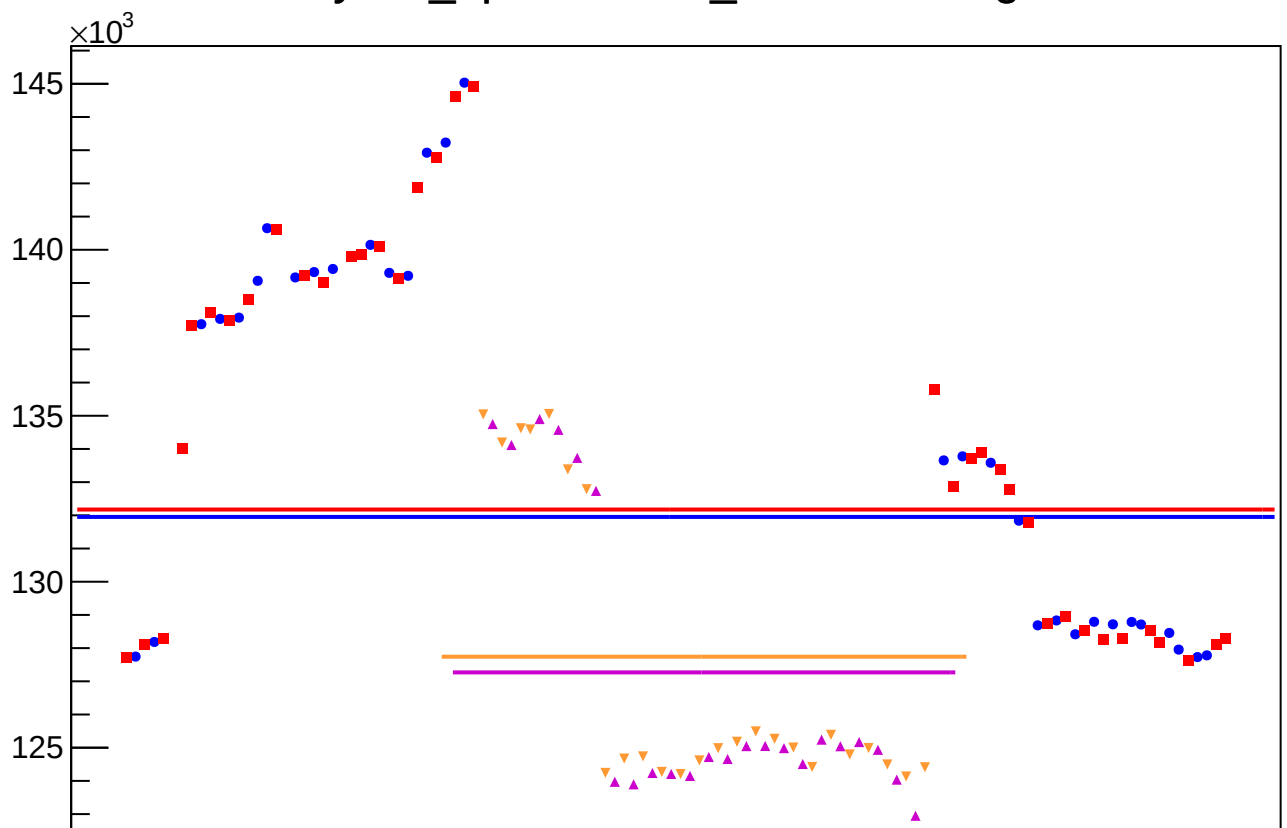
Right Out: 250.245+/-0.041 χ^2/NDF: 3204633.3/35

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 267.036+/-0.031 χ^2/NDF: 3837121.6/55

All: 263.766+/-0.022 χ^2/NDF: 8211601.0/114

- sign 260.647+/-0.031 χ^2/NDF: 4353357.8/58



Right In: 131952.034+/-0.098 χ^2/NDF: 2913274208.0/30

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132175.206+/-0.099 χ^2/NDF: 2210102566.9/35

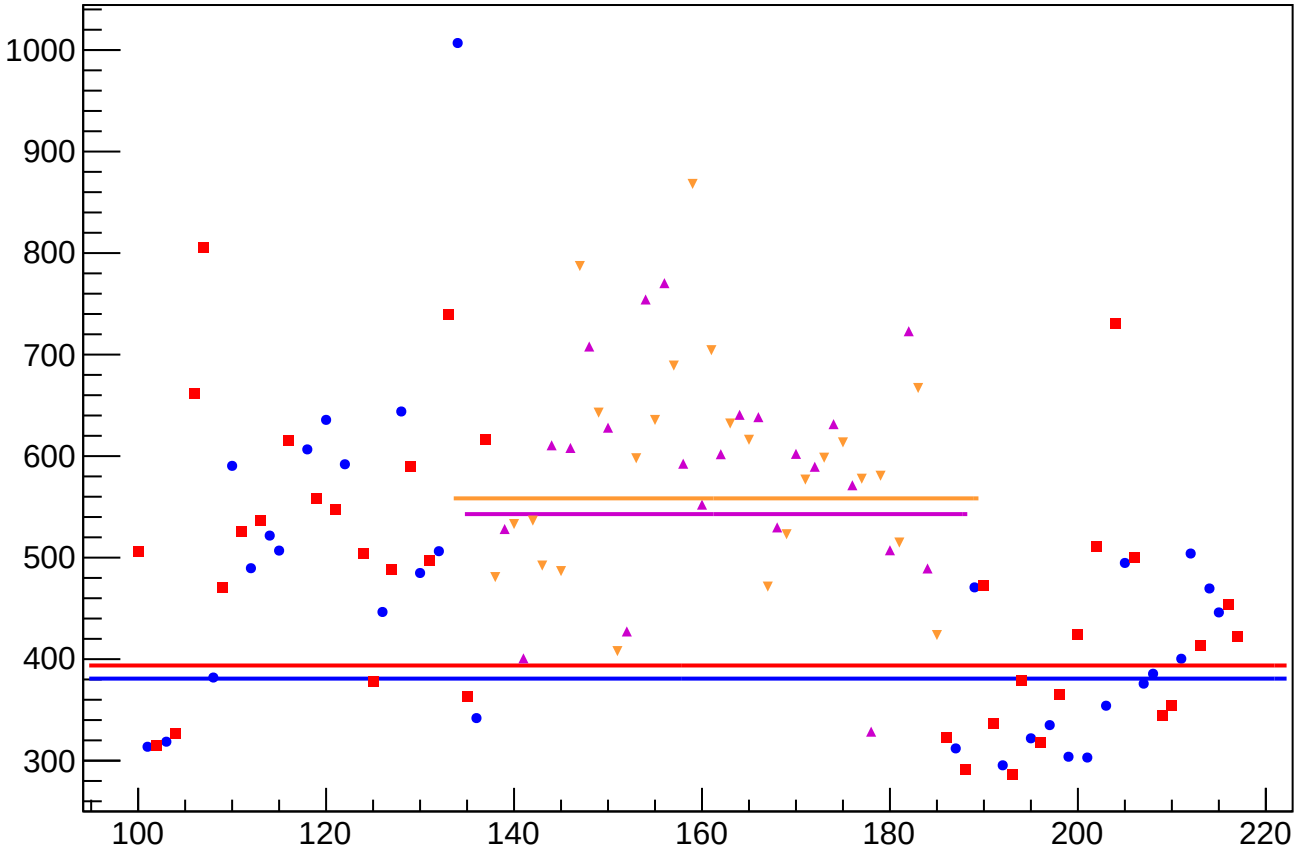
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130500.336+/-0.080 χ^2/NDF: 4637911085.2

All: 130511.185+/-0.057 χ^2/NDF: 86505310

- sign 130522.265+/-0.080 χ^2/NDF: 4012582422.0/

yield_bpm0l03WS_rms vs Slug



Right In: 380.832+/-0.070 χ^2/NDF: 1758965.6/30

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

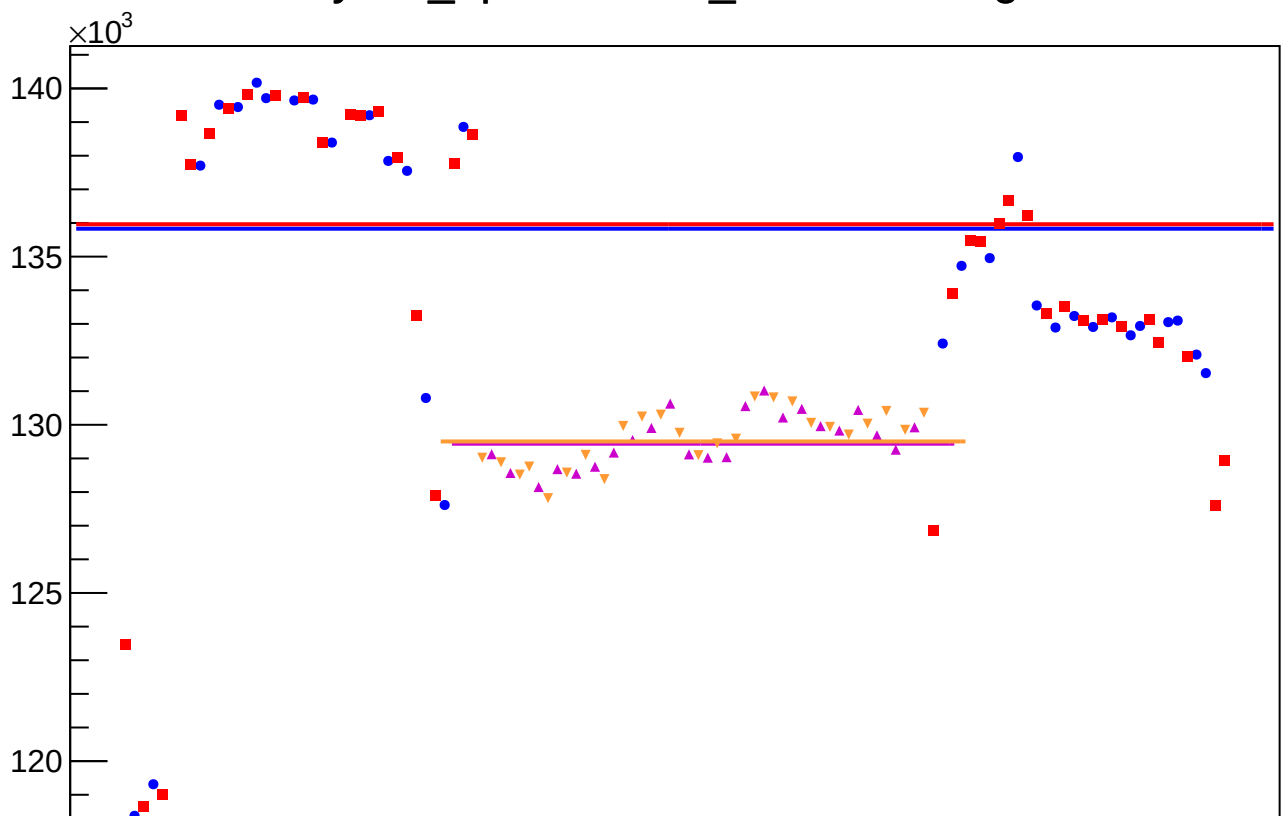
Right Out: 393.753+/-0.070 χ^2/NDF: 2034453.1/35

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 442.039+/-0.056 χ^2/NDF: 4974621.6/55

All: 443.003+/-0.040 χ^2/NDF: 9961547.8/114

- sign 443.988+/-0.057 χ^2/NDF: 4986333.0/58



Right In: 135829.876+/-0.057 χ^2/NDF: 6843169922.6/30

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135962.872+/-0.054 χ^2/NDF: 7799784929.8/35

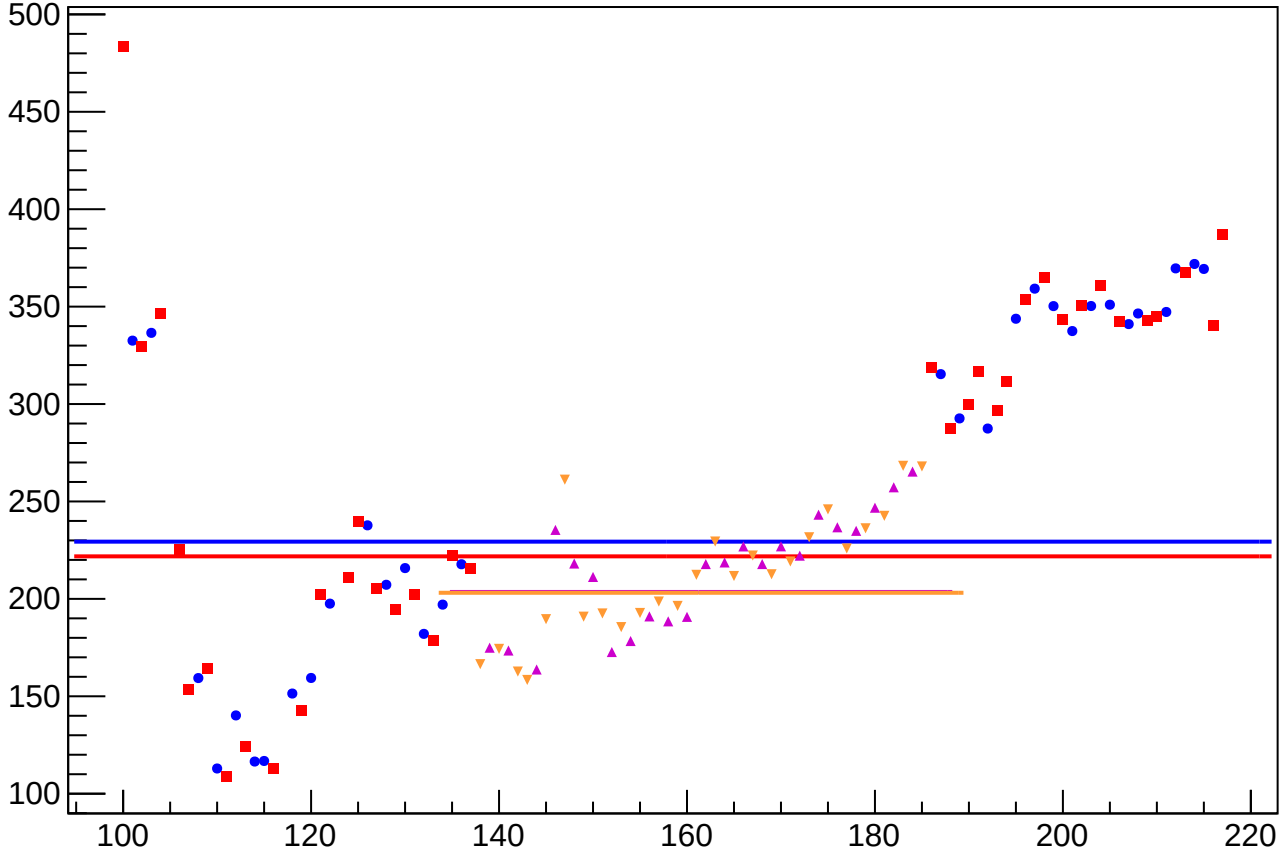
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132064.827+/-0.036 χ^2/NDF: 14473098430.

All: 132215.390+/-0.026 χ^2/NDF: 30716211

- sign 132363.546+/-0.036 χ^2/NDF: 16208906397.

yield_bpm0l04WS_rms vs Slug



Right In: 229.368+/-0.040 χ^2/NDF: 5131680.5/30

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

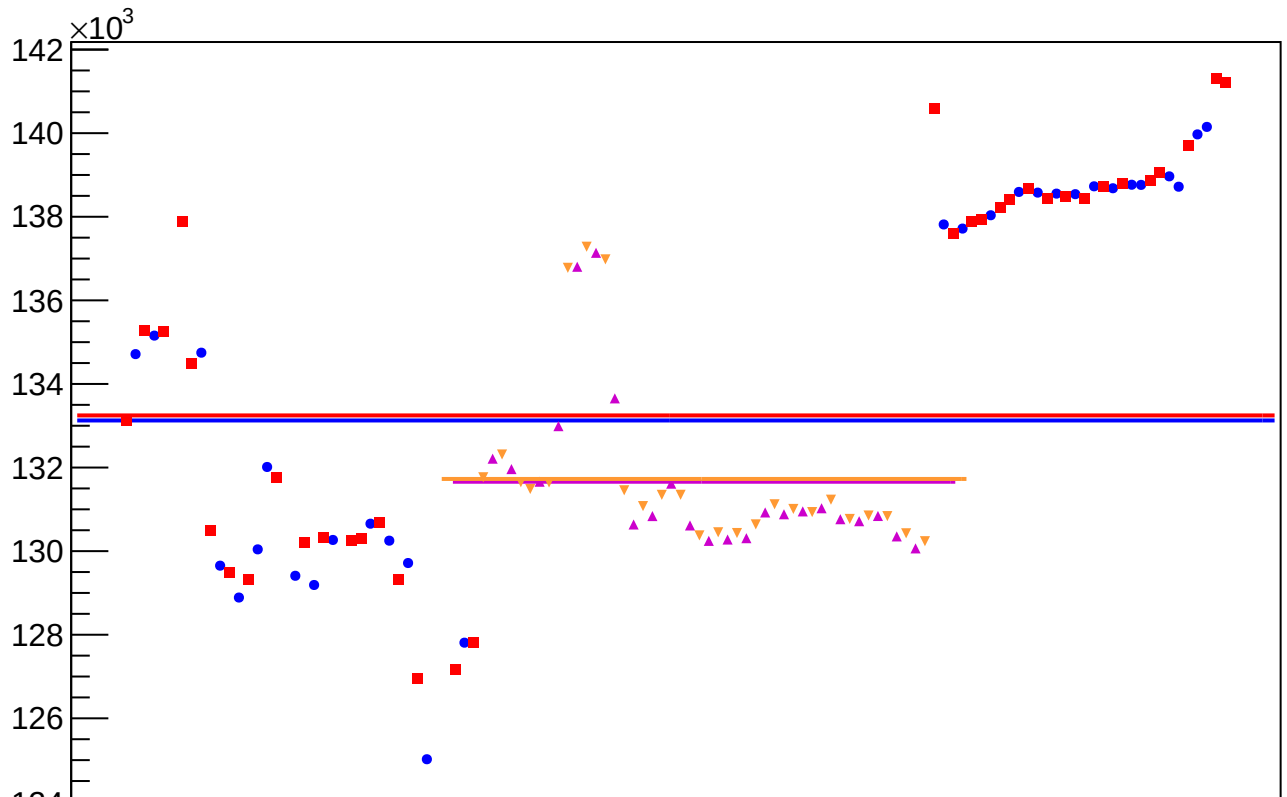
Right Out: 221.822+/-0.038 χ^2/NDF: 6029733.1/35

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 213.749+/-0.026 χ^2/NDF: 6142440.8/55

All: 212.737+/-0.018 χ^2/NDF: 12969014.1/11

- sign 211.742+/-0.025 χ^2/NDF: 6823484.6/58



Right In: 133126.268+/-0.051 χ^2/NDF: 9915452700.5/30

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133246.965+/-0.048 χ^2/NDF: 10459263295.3/35

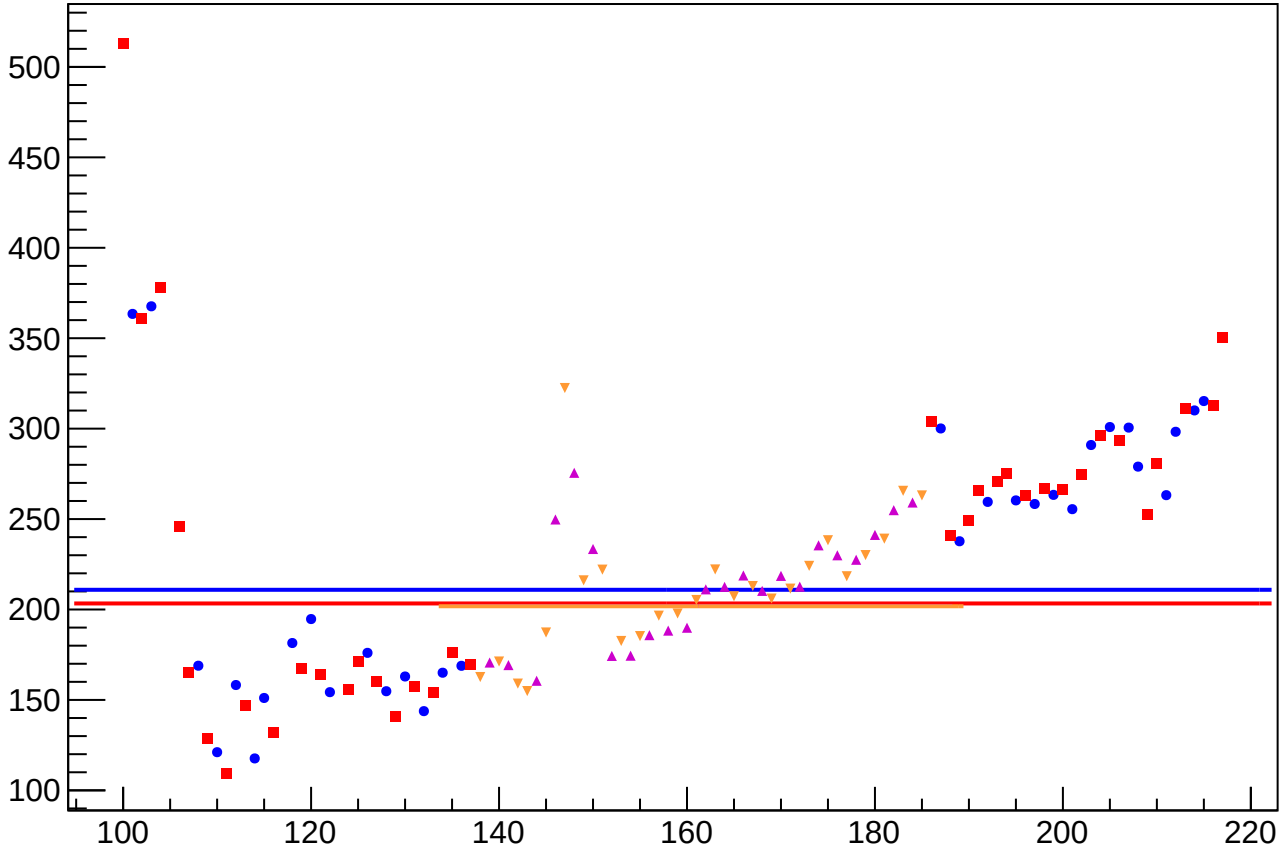
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132367.066+/-0.035 χ^2/NDF: 11748543086.

All: 132411.535+/-0.024 χ^2/NDF: 23918416

- sign 132454.815+/-0.034 χ^2/NDF: 12166596786.

yield_bpm0l05WS_rms vs Slug



Right In: 210.894+/-0.036 χ^2/NDF: 3331162.7/30

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

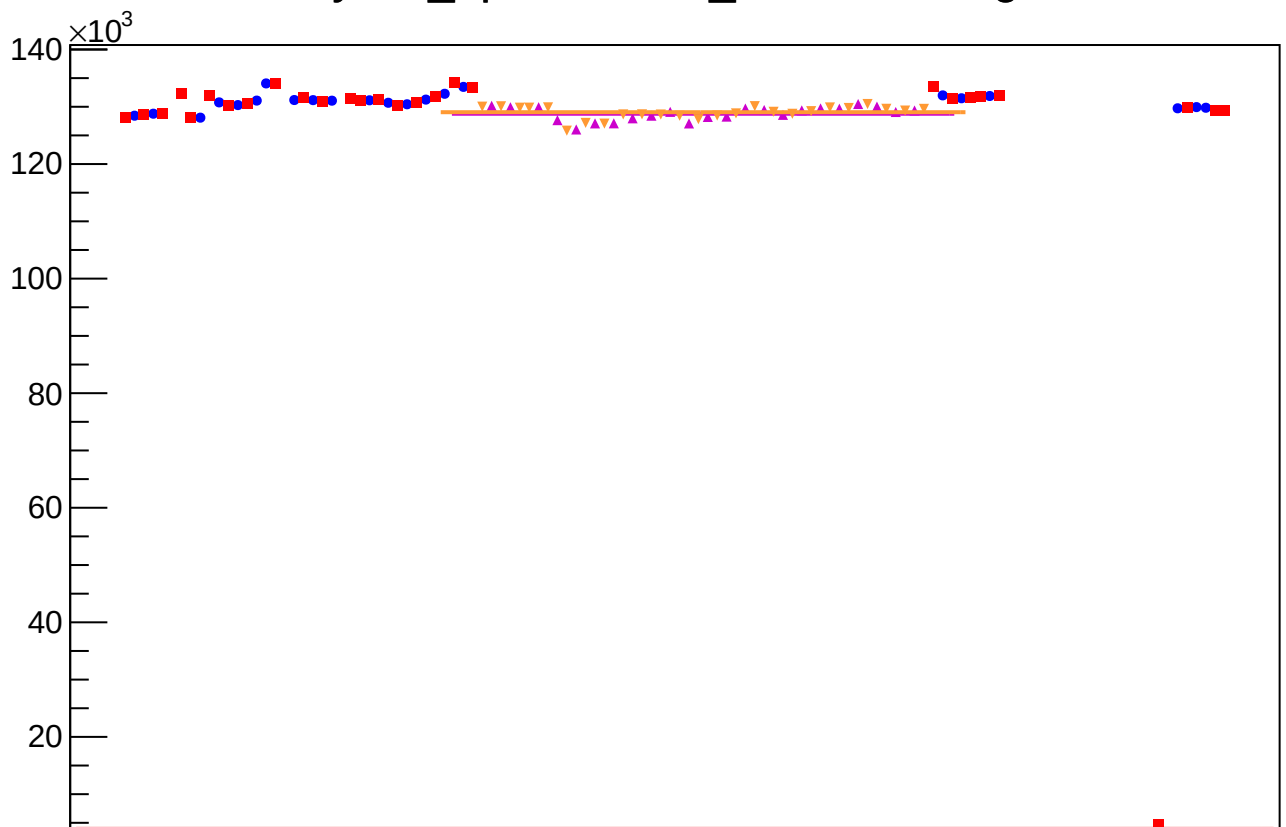
Right Out: 203.340+/-0.034 χ^2/NDF: 4390820.2/35

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 205.959+/-0.024 χ^2/NDF: 4271007.4/55

All: 204.279+/-0.017 χ^2/NDF: 9474714.7/114

- sign 202.644+/-0.024 χ^2/NDF: 5194357.7/58



Right In: 3487.946+/-0.005 χ^2/NDF: 5472101775797.4/30

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3939.121+/-0.005 χ^2/NDF: 6326130916238.7/35

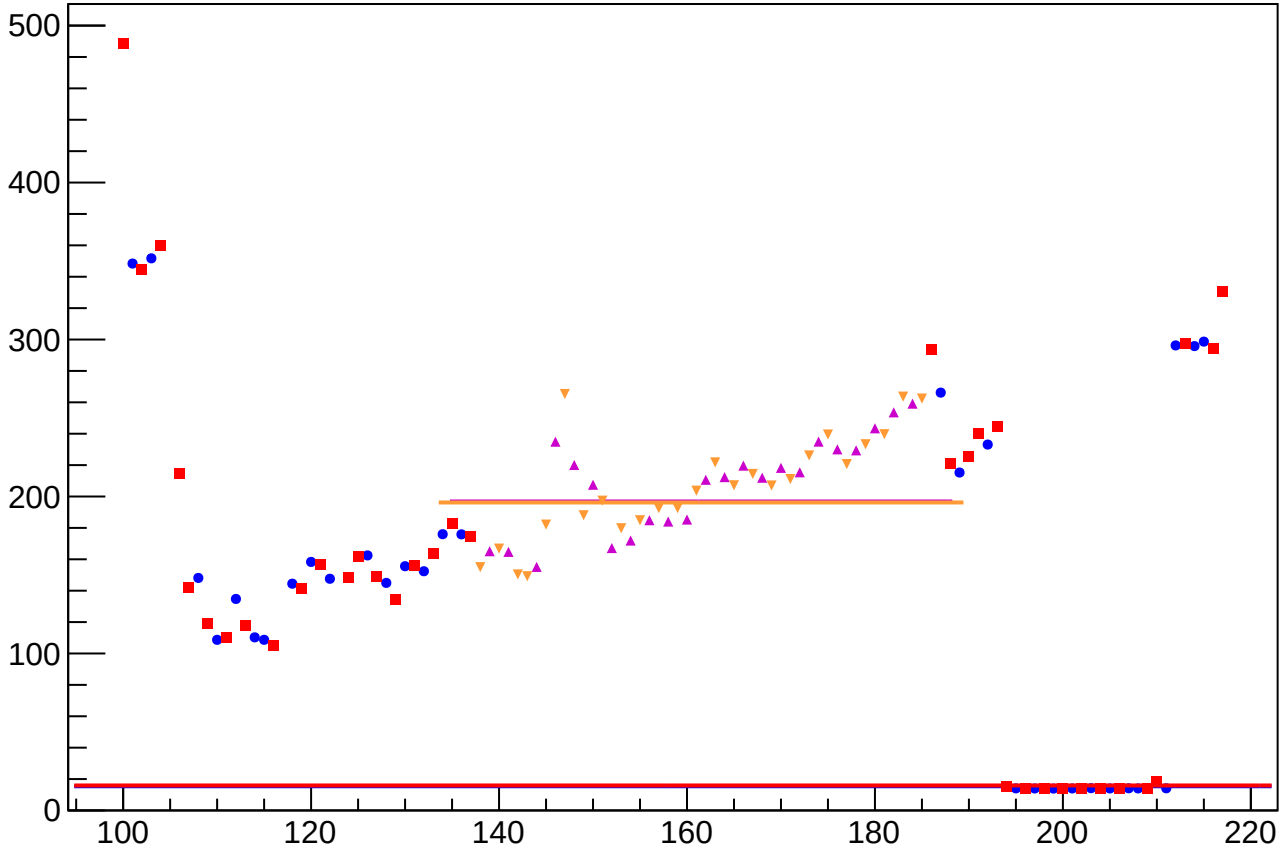
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5019.123+/-0.005 χ^2/NDF: 12998115873785

All: 5289.636+/-0.004 χ^2/NDF: 263235103151

- sign 5604.028+/-0.005 χ^2/NDF: 13319124681828

yield_bpm0l06WS_rms vs Slug



Right In: 15.415+/-0.004 χ^2/NDF: 19159705.5/30

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

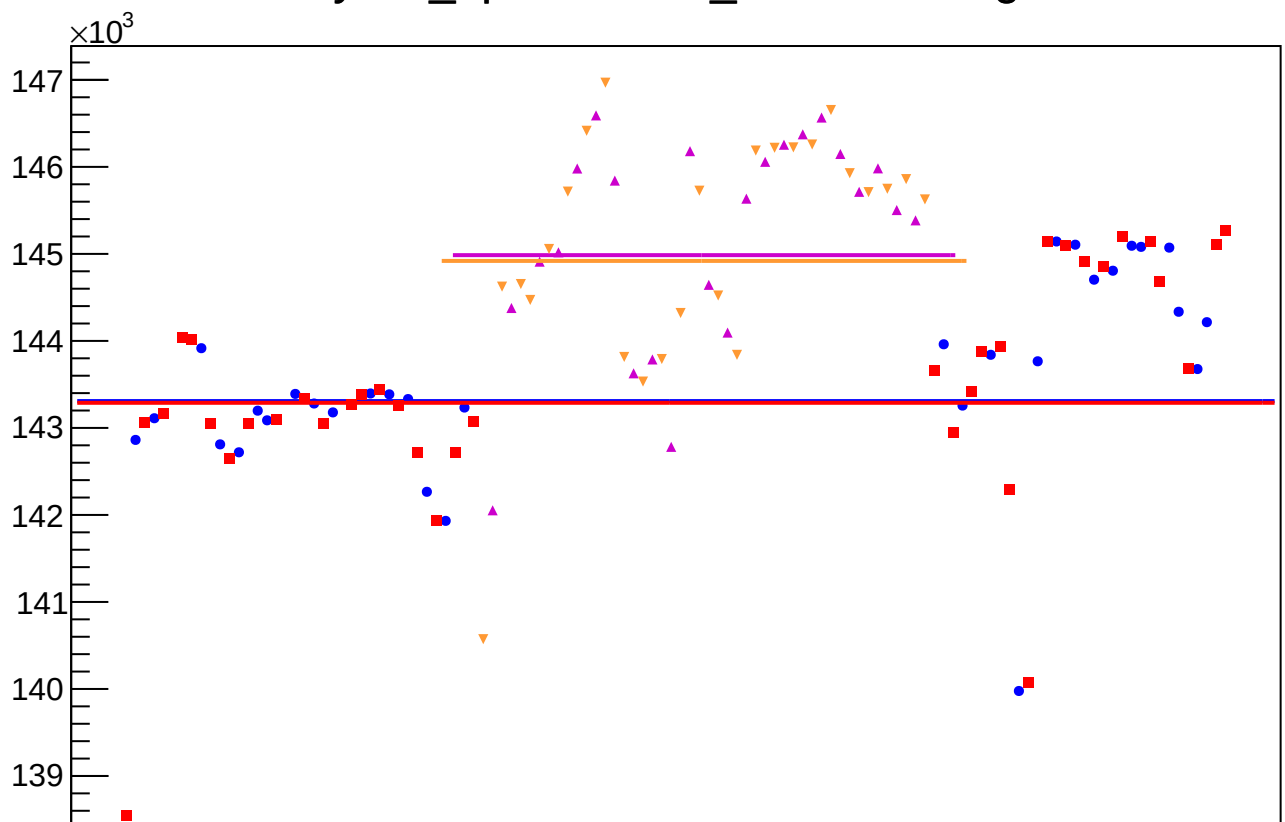
Right Out: 15.919+/-0.004 χ^2/NDF: 21066196.9/35

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.619+/-0.004 χ^2/NDF: 51284747.3/55

All: 17.949+/-0.003 χ^2/NDF: 102511697.7/11

- sign 18.332+/-0.004 χ^2/NDF: 51208348.6/58



Right In: 143308.375+/-0.055 χ^2/NDF: 276061908.2/30

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143288.907+/-0.051 χ^2/NDF: 316207269.1/35

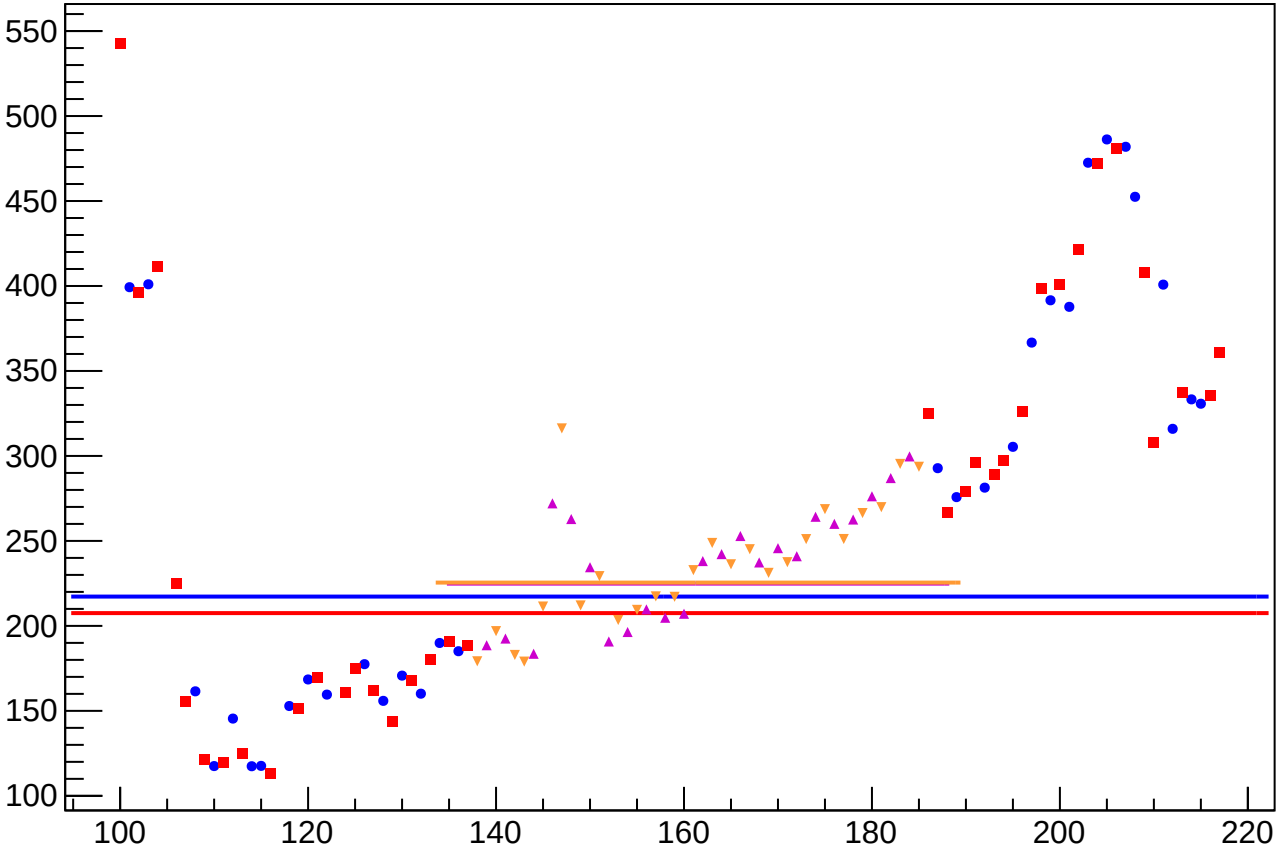
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144157.694+/-0.038 χ^2/NDF: 1561431542.1

All: 144127.788+/-0.026 χ^2/NDF: 30215549

- sign 144099.280+/-0.037 χ^2/NDF: 1458908734.7/

yield_bpm0l07WS_rms vs Slug



Right In: 217.248+/-0.039 χ^2/NDF: 6652337.0/30

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

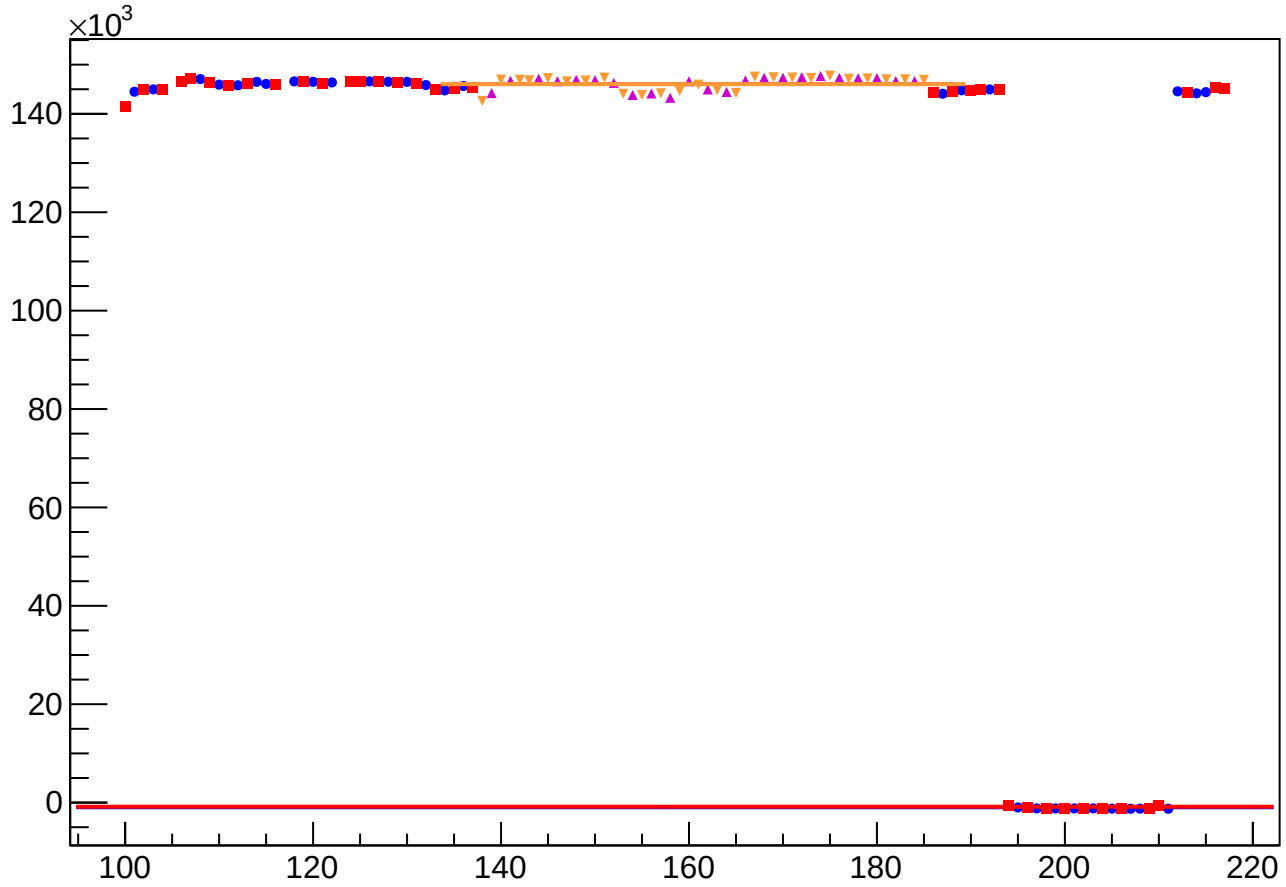
Right Out: 207.524+/-0.036 χ^2/NDF: 7475935.0/35

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 221.587+/-0.027 χ^2/NDF: 7451182.4/55

All: 218.628+/-0.019 χ^2/NDF: 15784207.5/11

- sign 215.808+/-0.026 χ^2/NDF: 8309249.7/58



Right In: -943.904+/-0.003 χ^2/NDF: 5890025089744.2/30

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -839.961+/-0.003 χ^2/NDF: 6924681581717.4/35

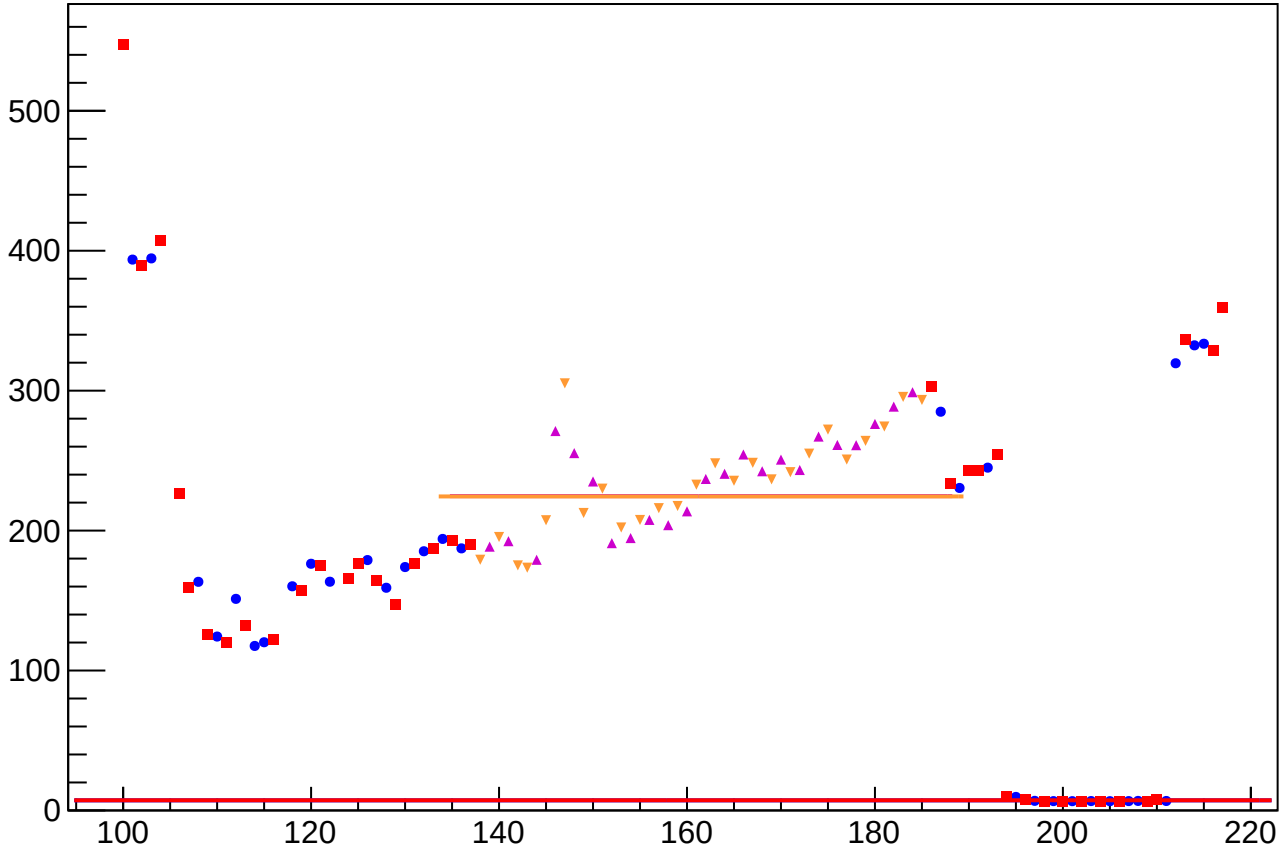
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -604.155+/-0.003 χ^2/NDF: 13859418998457

All: -542.546+/-0.002 χ^2/NDF: 2828891947

- sign -471.674+/-0.003 χ^2/NDF: 14428195080627.

yield_bpm0l08WS_rms vs Slug



Right In: 7.213+/-0.002 χ^2/NDF: 21146848.8/30

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

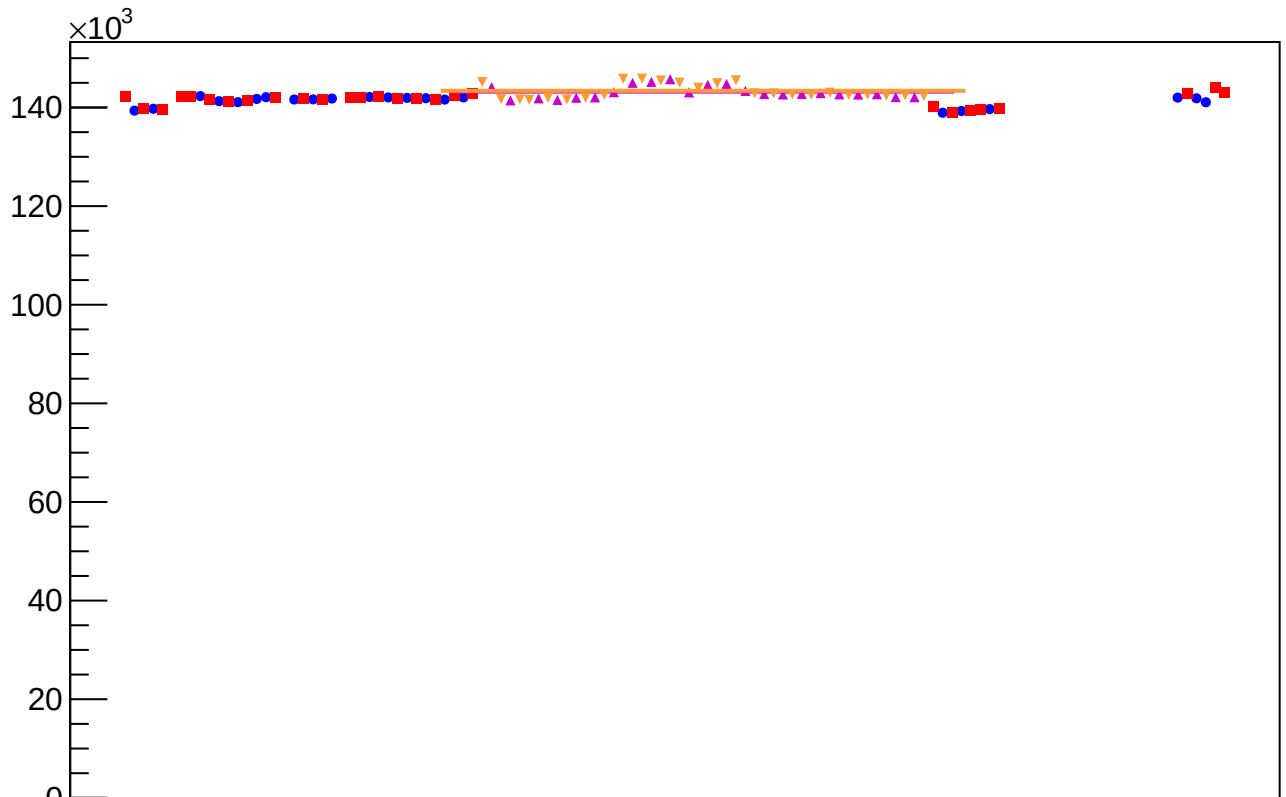
Right Out: 7.280+/-0.002 χ^2/NDF: 23267144.6/35

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.715+/-0.002 χ^2/NDF: 56794245.4/55

All: 7.766+/-0.001 χ^2/NDF: 113678752.4/114

- sign 7.825+/-0.002 χ^2/NDF: 56882707.7/58



Right In: -2486.615+/-0.003 χ^2/NDF: 5404961744010.6/30

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2376.738+/-0.003 χ^2/NDF: 6240320048334.6/35

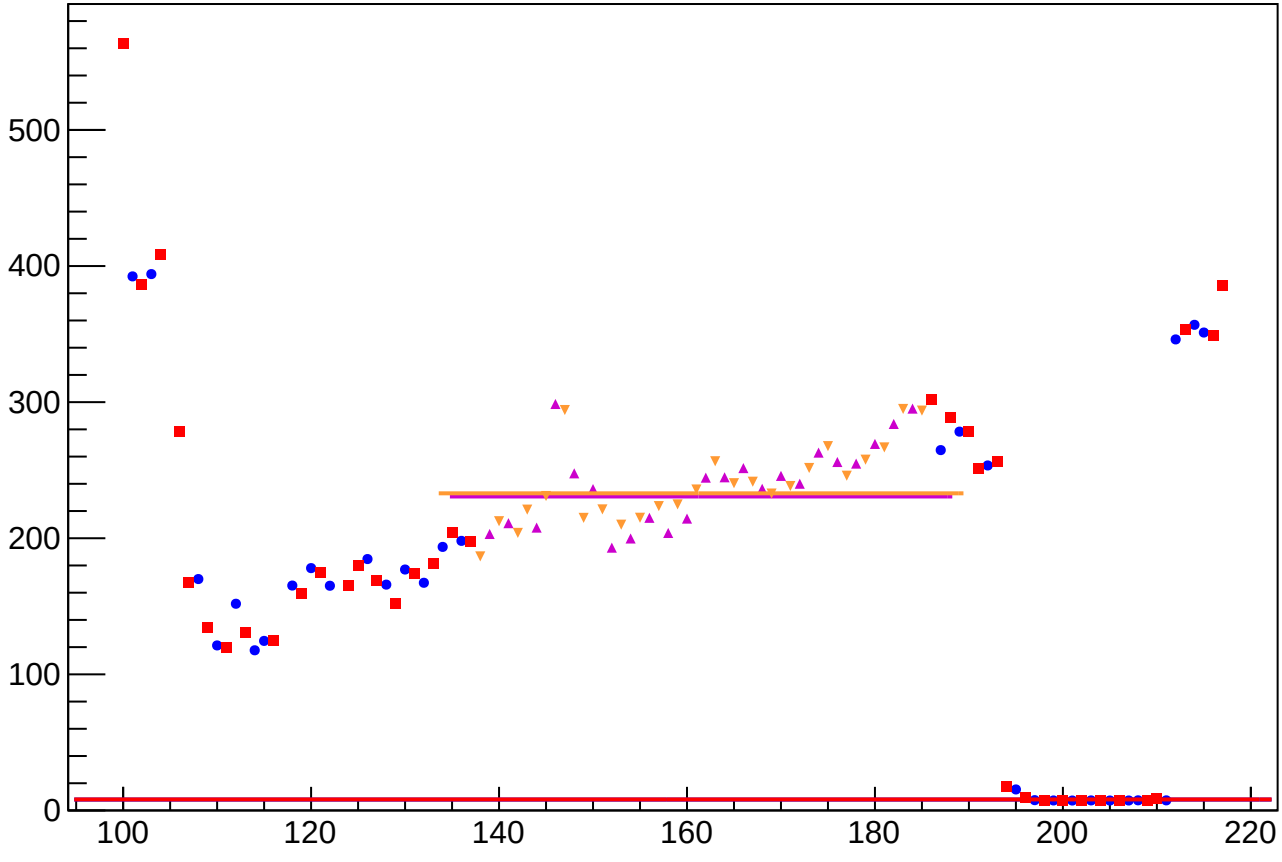
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2091.824+/-0.003 χ^2/NDF: 1276928212171

All: -2022.118+/-0.002 χ^2/NDF: 2604193662

- sign -1941.872+/-0.003 χ^2/NDF: 1327131437746

yield_bpm0l09WS_rms vs Slug



Right In: 7.996+/-0.002 χ^2/NDF: 21289900.5/30

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

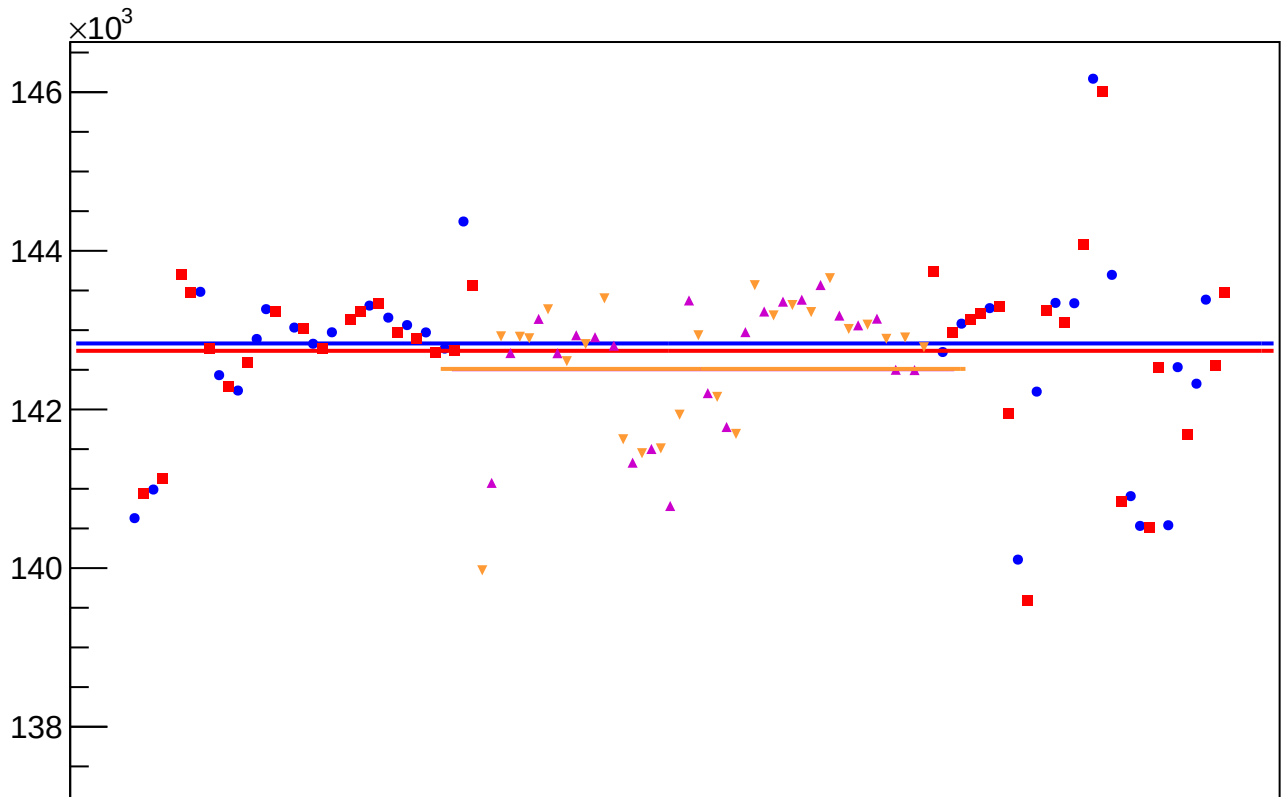
Right Out: 8.090+/-0.002 χ^2/NDF: 23298580.9/35

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.605+/-0.002 χ^2/NDF: 56776543.8/55

All: 8.674+/-0.001 χ^2/NDF: 113457001.7/114

- sign 8.754+/-0.002 χ^2/NDF: 56677795.2/58



Right In: 142832.290+/-0.058 χ^2/NDF: 300381451.1/30

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142739.399+/-0.053 χ^2/NDF: 250813101.0/35

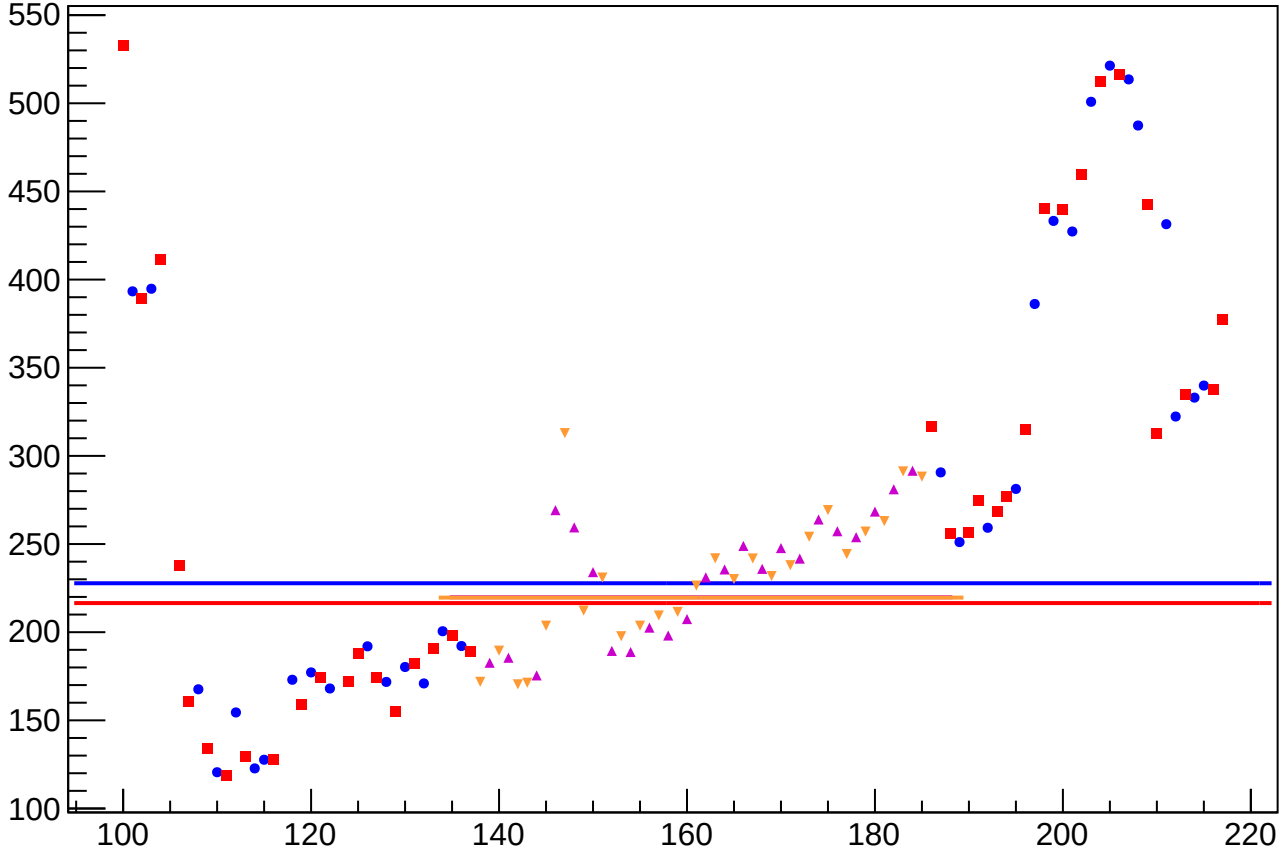
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142652.035+/-0.038 χ^2/NDF: 655890705.8/5

All: 142636.587+/-0.027 χ^2/NDF: 11859422

- sign 142621.803+/-0.037 χ^2/NDF: 529730667.7/5

yield_bpm0l10WS_rms vs Slug



Right In: 227.761+/-0.041 χ^2/NDF: 6331584.4/30

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

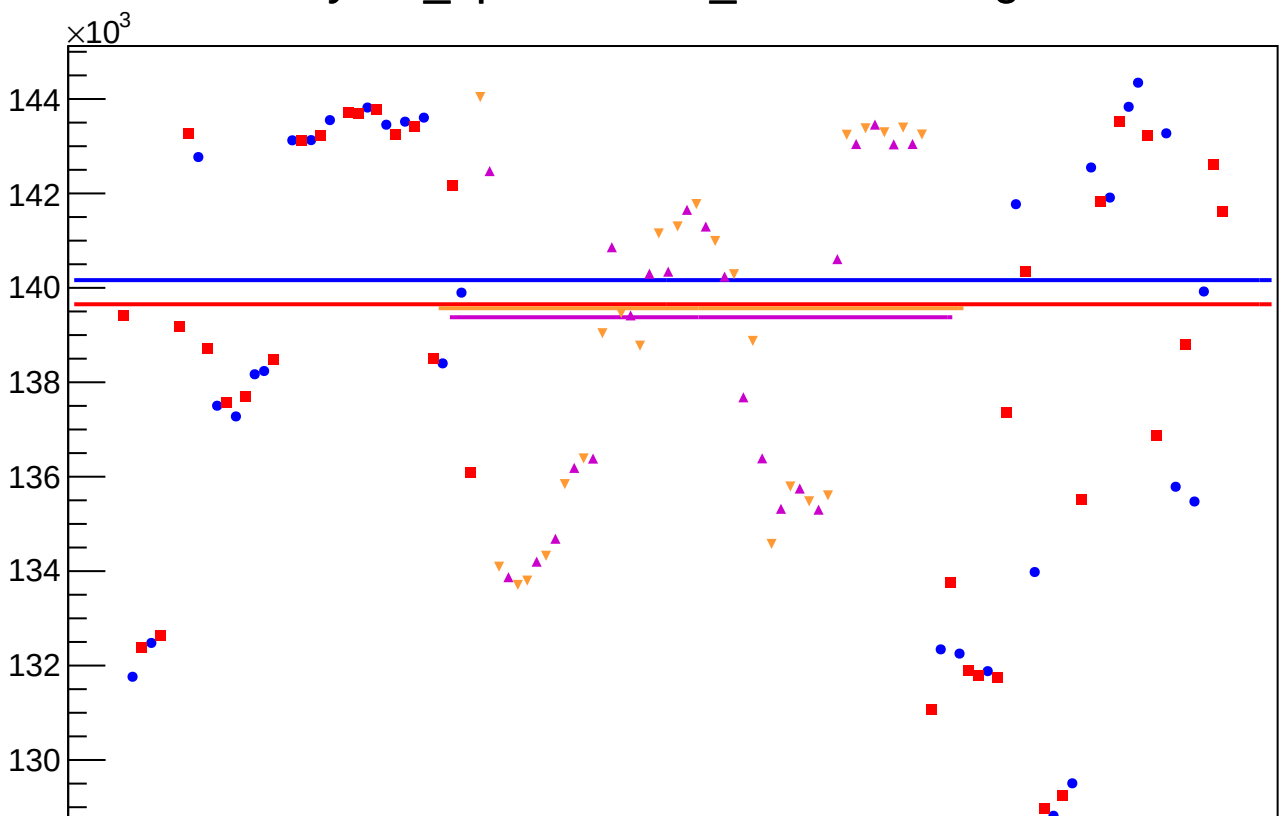
Right Out: 216.514+/-0.038 χ^2/NDF: 7057867.8/35

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 223.187+/-0.027 χ^2/NDF: 7256044.8/55

All: 220.632+/-0.019 χ^2/NDF: 15140874.8/11

- sign 218.187+/-0.026 χ^2/NDF: 7867277.4/58



Right In: 140163.613+/-0.081 χ^2/NDF: 2802396582.2/30

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139652.405+/-0.080 χ^2/NDF: 2863974657.8/35

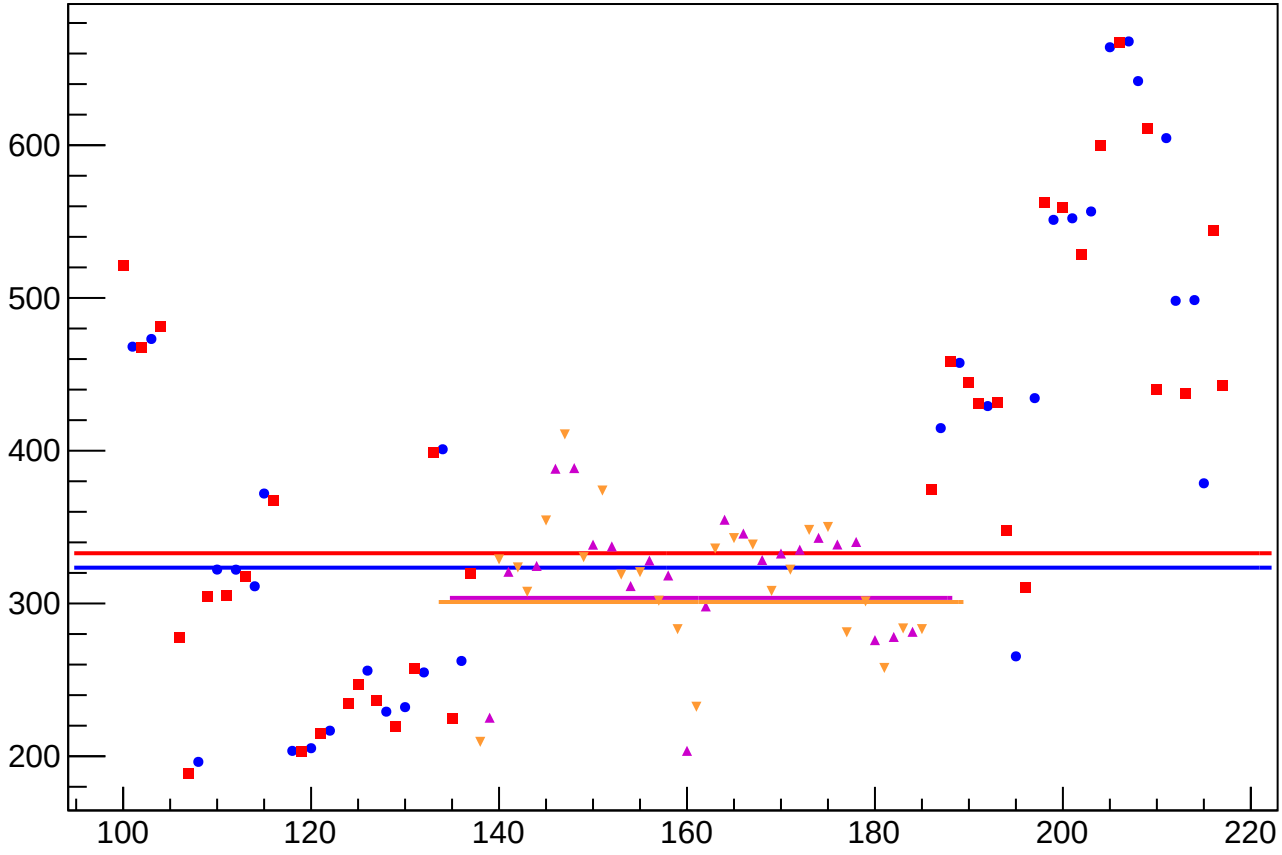
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139823.592+/-0.053 χ^2/NDF: 5419950586.3

All: 139665.838+/-0.038 χ^2/NDF: 10229880

- sign 139503.028+/-0.054 χ^2/NDF: 4791887464.3/

yield_bpm0r03WS_rms vs Slug



Right In: 323.443+/-0.057 χ^2/NDF: 5276778.0/30

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

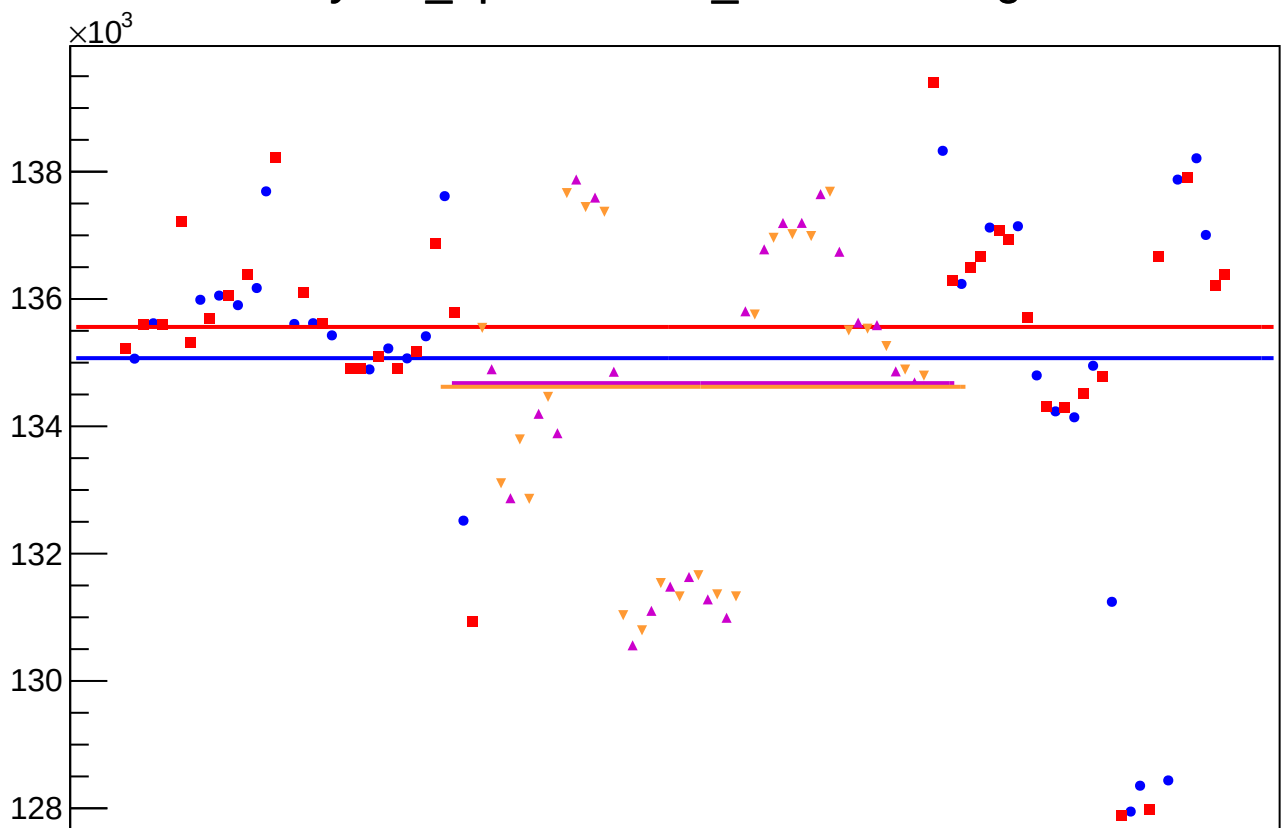
Right Out: 332.887+/-0.056 χ^2/NDF: 4844379.0/35

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 310.594+/-0.037 χ^2/NDF: 6241959.6/55

All: 313.747+/-0.027 χ^2/NDF: 12223552.0/11

- sign 317.000+/-0.038 χ^2/NDF: 5967181.8/58



Right In: 135070.957+/-0.077 χ^2/NDF: 894008512.4/30

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135561.082+/-0.070 χ^2/NDF: 785303504.1/35

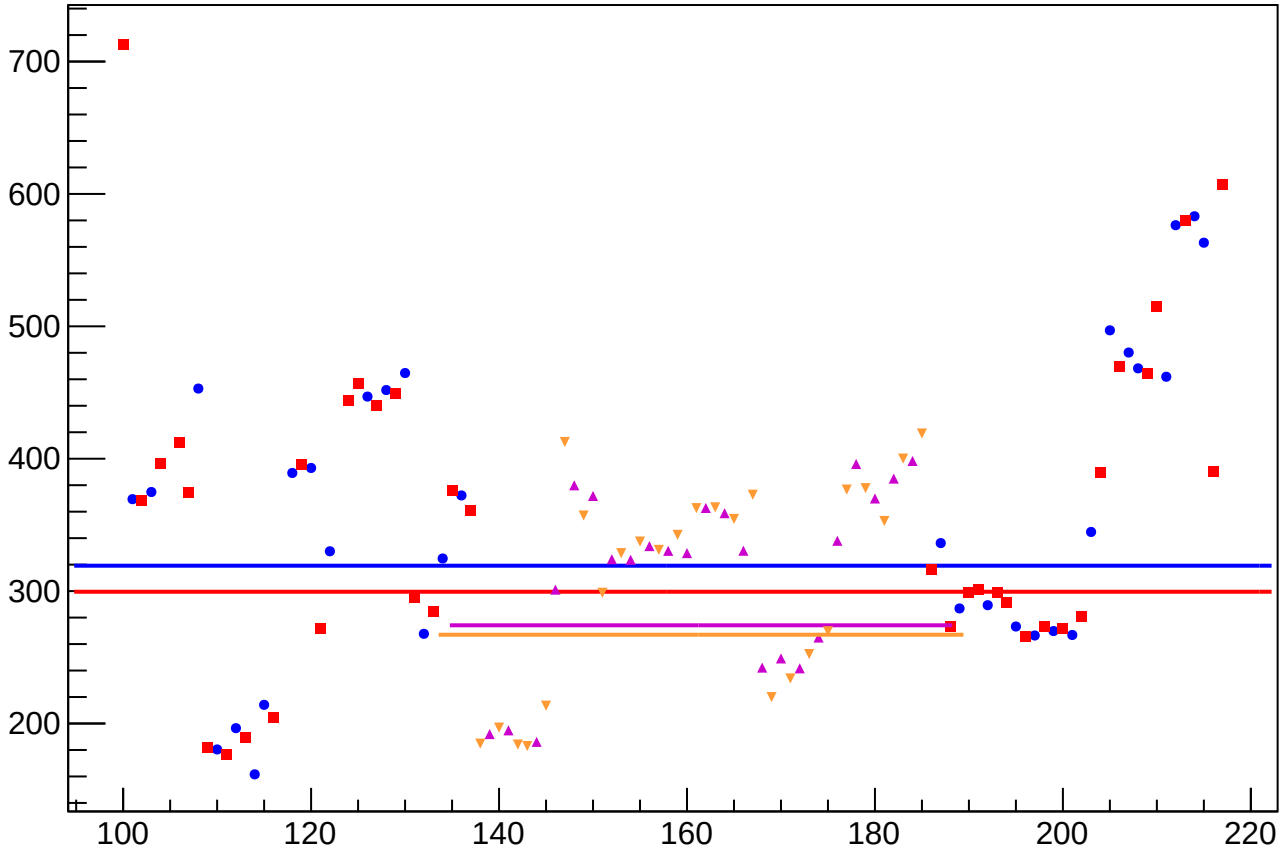
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134803.363+/-0.049 χ^2/NDF: 2115702339.0

All: 134953.039+/-0.034 χ^2/NDF: 40983929

- sign 135098.395+/-0.048 χ^2/NDF: 1964411125.7/

yield_bpm0r05WS_rms vs Slug



Right In: 319.190+/-0.055 χ^2/NDF: 3582947.6/30

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

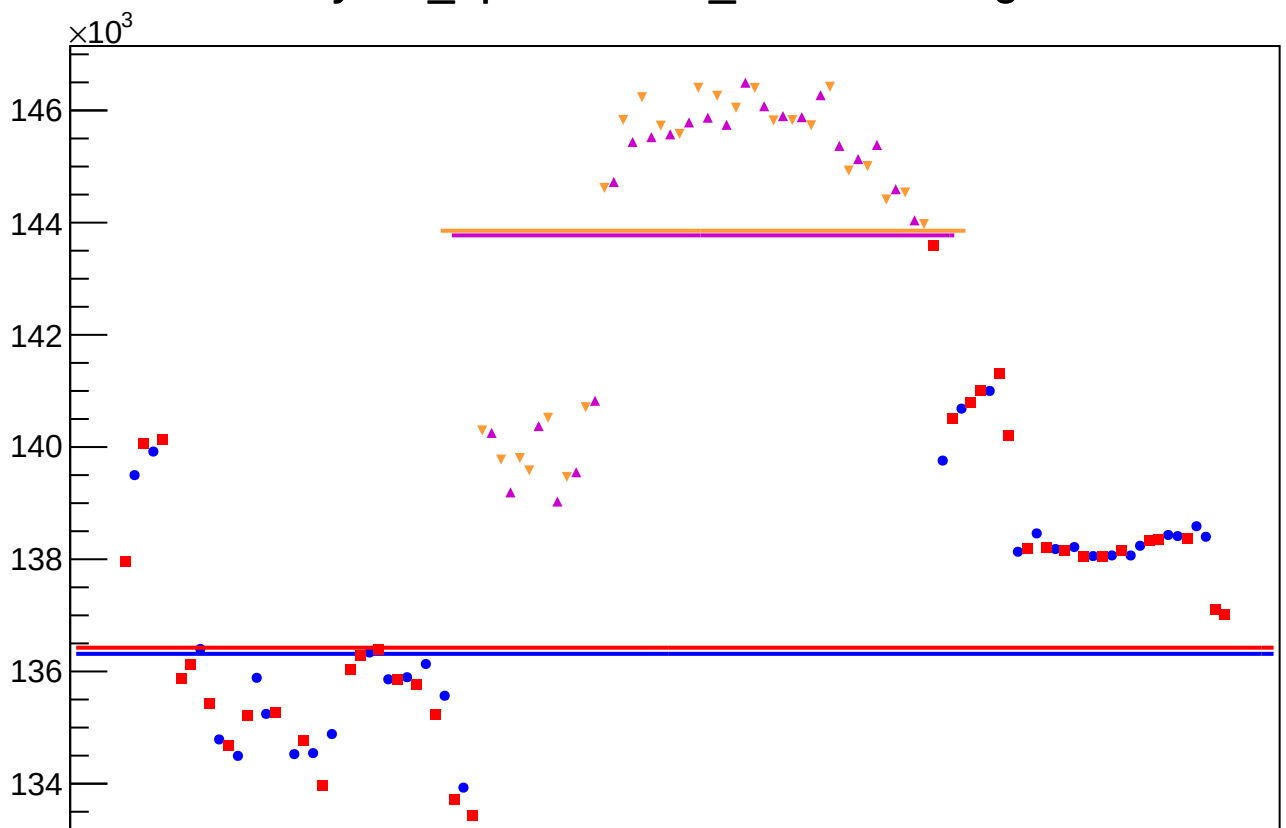
Right Out: 299.522+/-0.050 χ^2/NDF: 3752157.4/35

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 288.184+/-0.035 χ^2/NDF: 6968675.9/55

All: 287.195+/-0.024 χ^2/NDF: 13095762.2/11

- sign 286.235+/-0.034 χ^2/NDF: 6125490.4/58



Right In: 136314.066+/-0.045 χ^2/NDF: 1739012530.2/30

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136423.992+/-0.043 χ^2/NDF: 2307611312.7/35

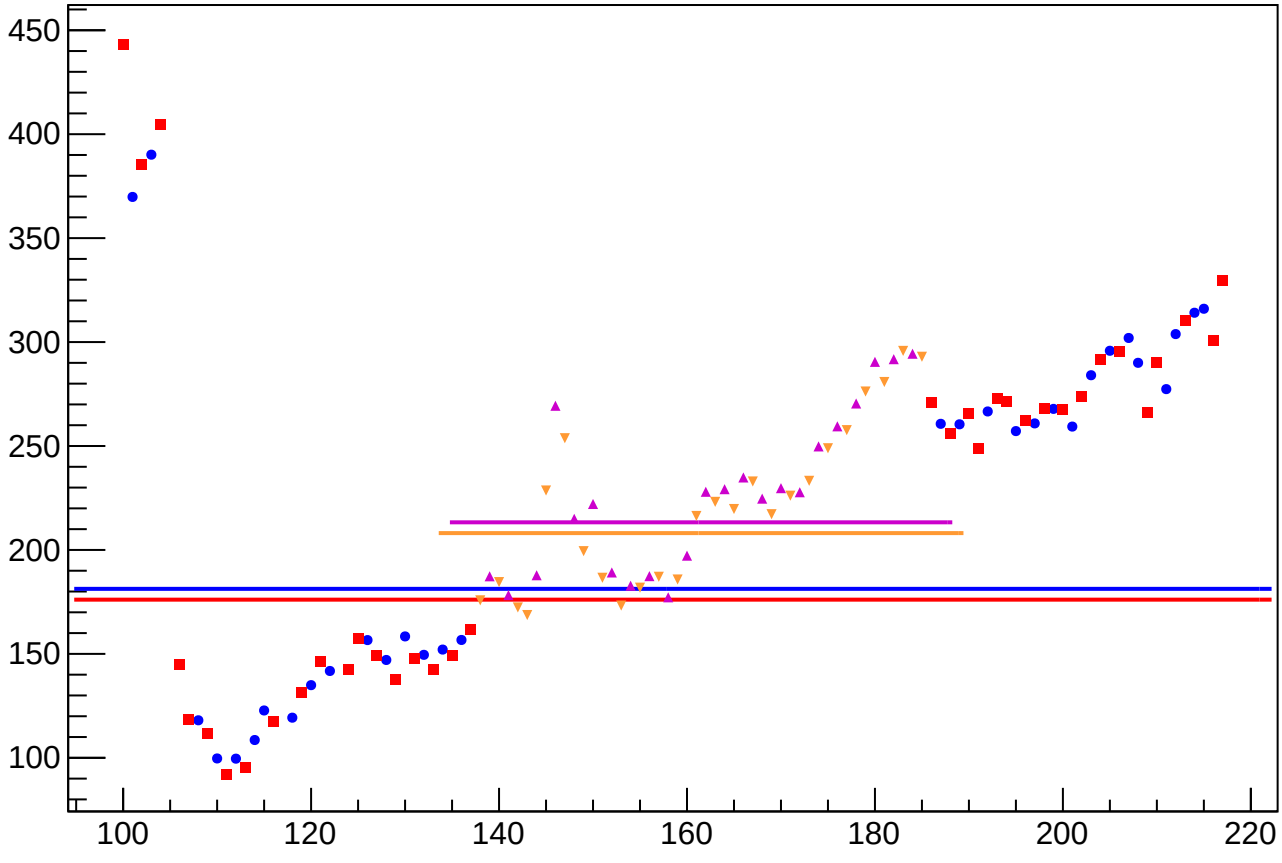
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139846.084+/-0.033 χ^2/NDF: 17813859584.

All: 139663.562+/-0.023 χ^2/NDF: 351434952

- sign 139483.484+/-0.033 χ^2/NDF: 17269145202.1

yield_bpm0i02WS_rms vs Slug



Right In: 181.285+/-0.032 χ^2/NDF: 5829644.2/30

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

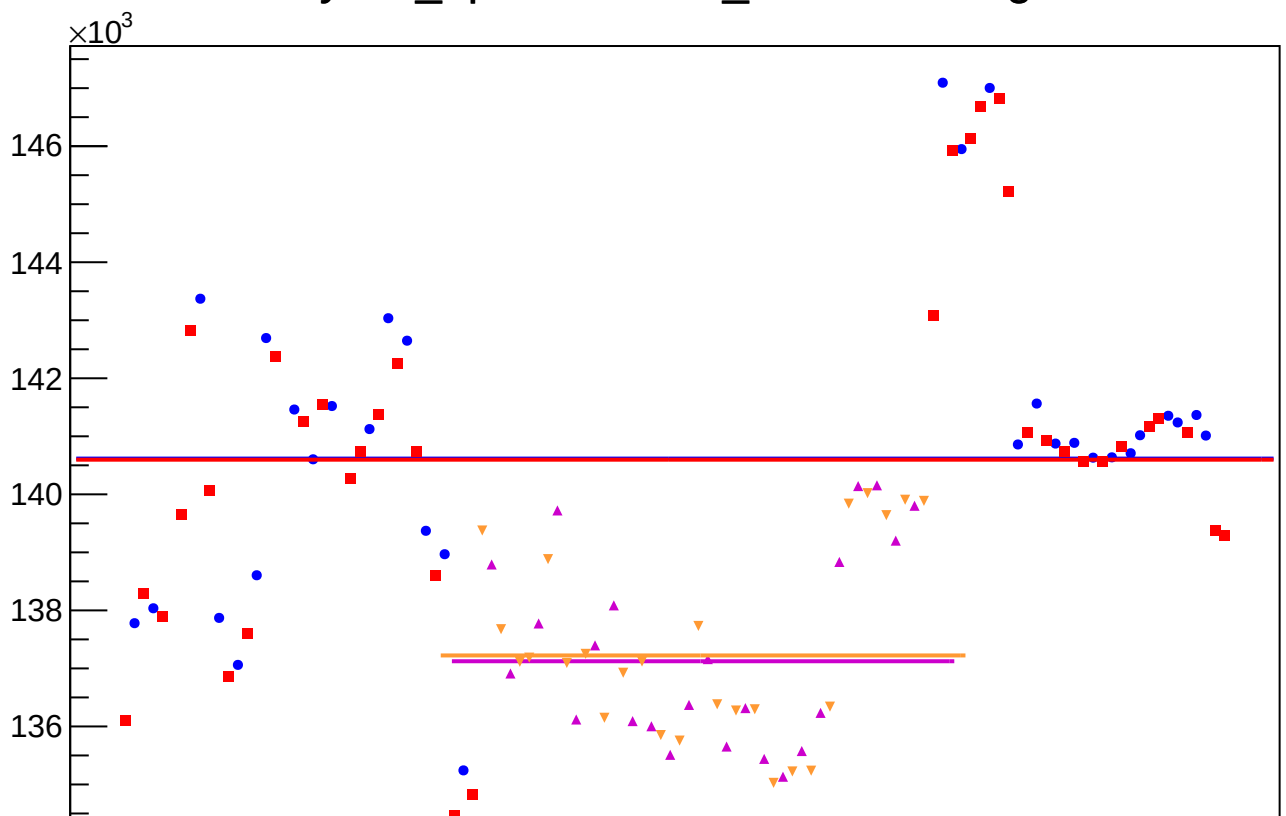
Right Out: 176.088+/-0.030 χ^2/NDF: 6725500.0/35

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 193.843+/-0.023 χ^2/NDF: 7149946.3/55

All: 192.701+/-0.016 χ^2/NDF: 15368750.2/11

- sign 191.574+/-0.023 χ^2/NDF: 8214066.8/58



Right In: 140615.972+/-0.051 χ^2/NDF: 2823656870.1/30

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140597.284+/-0.048 χ^2/NDF: 3268996365.9/35

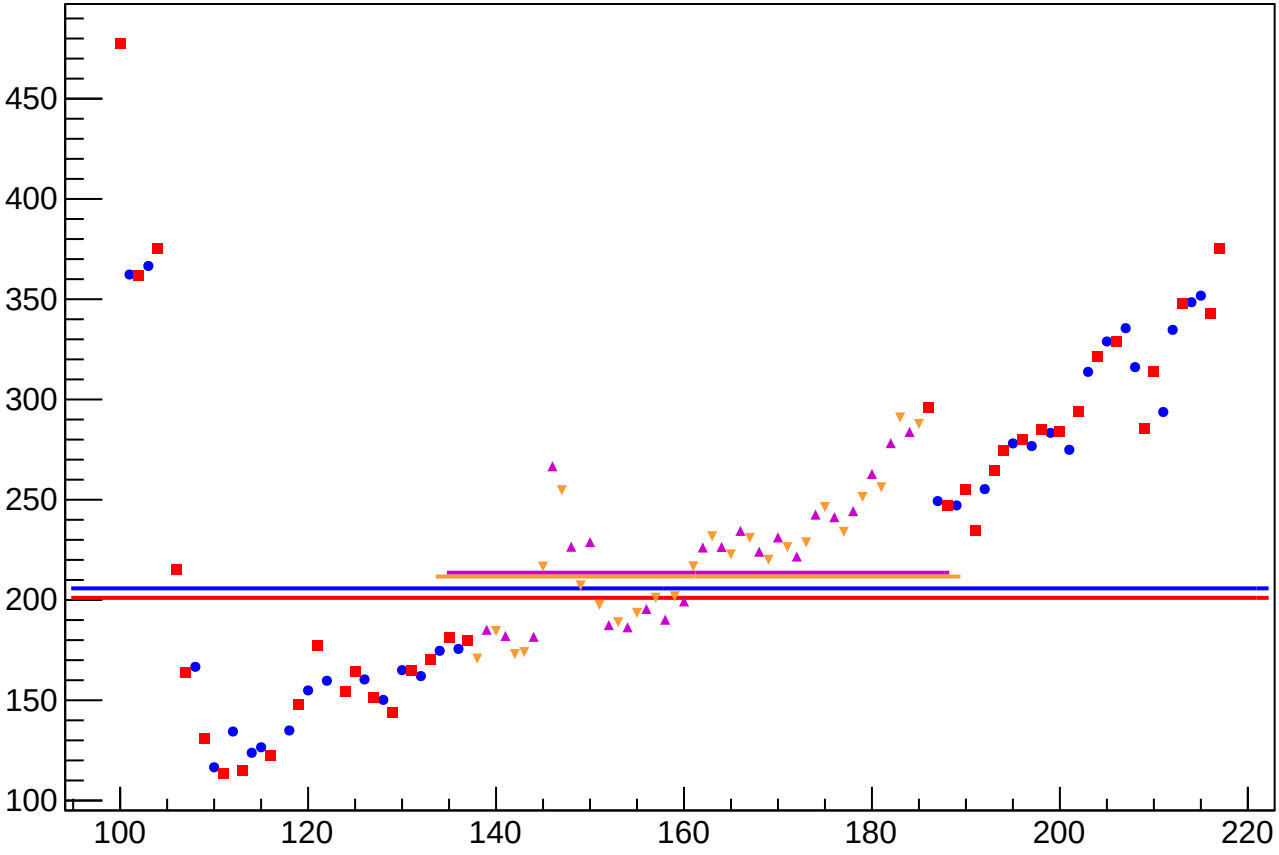
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138865.596+/-0.035 χ^2/NDF: 6033644164.4

All: 138910.574+/-0.025 χ^2/NDF: 12621378

- sign 138954.971+/-0.035 χ^2/NDF: 6584495641.5/

yield_bpm0i02aWS_rms vs Slug



Right In: 205.797+/-0.036 χ^2/NDF: 4677903.8/30

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 201.076+/-0.034 χ^2/NDF: 5430979.6/35

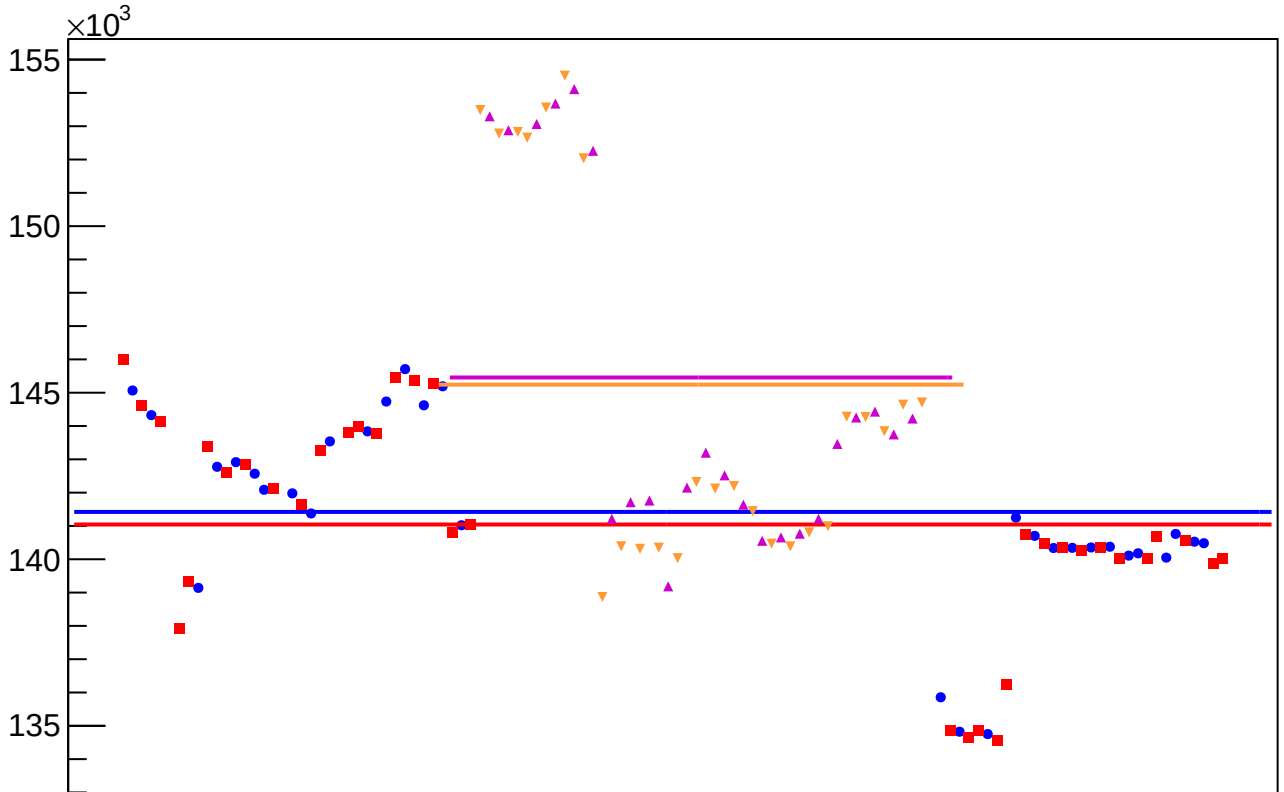
Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 208.850+/-0.025 χ^2/NDF: 5367579.4/55

All: 207.927+/-0.018 χ^2/NDF: 11486851.0/11

- sign 207.016+/-0.025 χ^2/NDF: 6116545.6/58

yield_bpm0i05WS_mean vs Slug



Right In: 141421.532+/-0.051 χ^2/NDF: 2843927995.8/30

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141043.215+/-0.047 χ^2/NDF: 4446304215.2/35

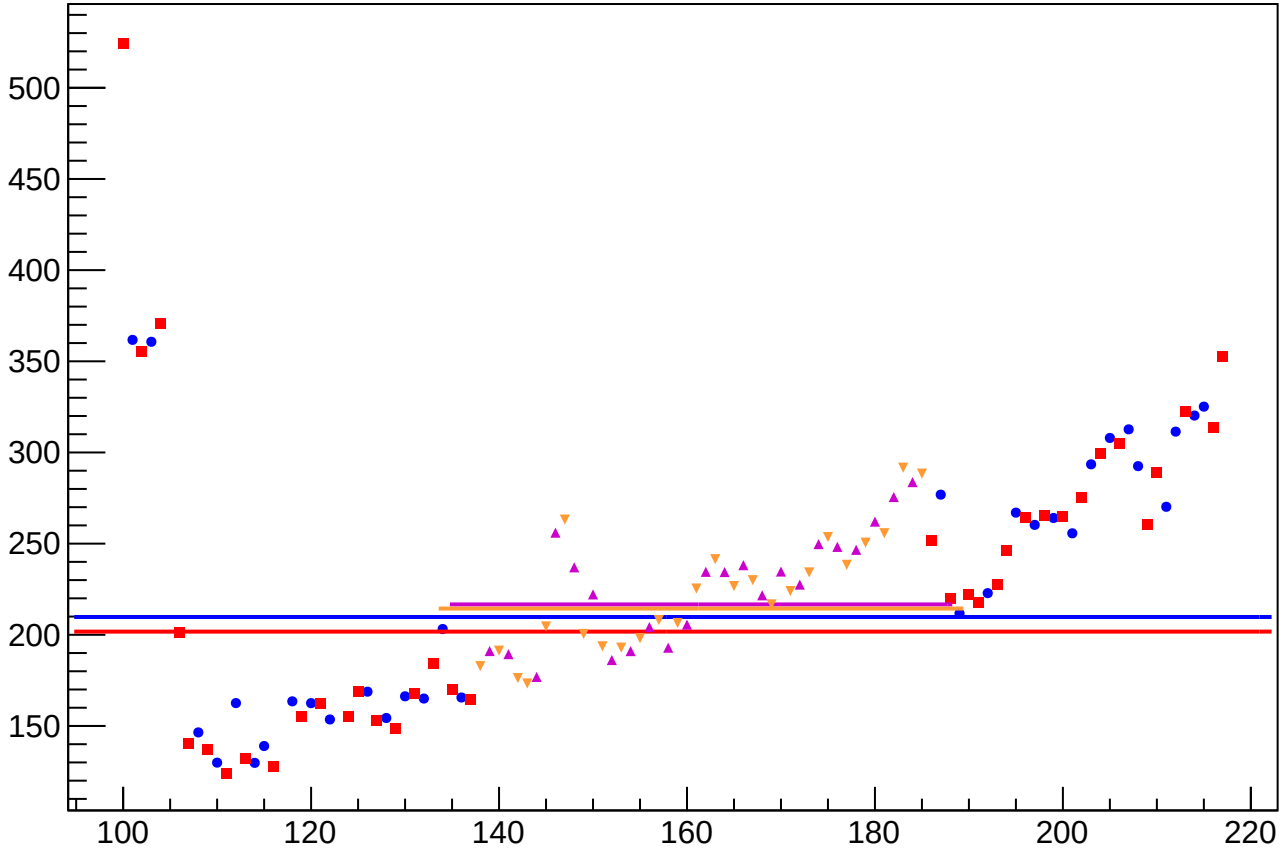
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143370.872+/-0.035 χ^2/NDF: 18780982097.

All: 143216.033+/-0.025 χ^2/NDF: 38304350

- sign 143065.760+/-0.035 χ^2/NDF: 19485760595.6

yield_bpm0i05WS_rms vs Slug



Right In: 209.759+/-0.036 χ^2/NDF: 3366478.0/30

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

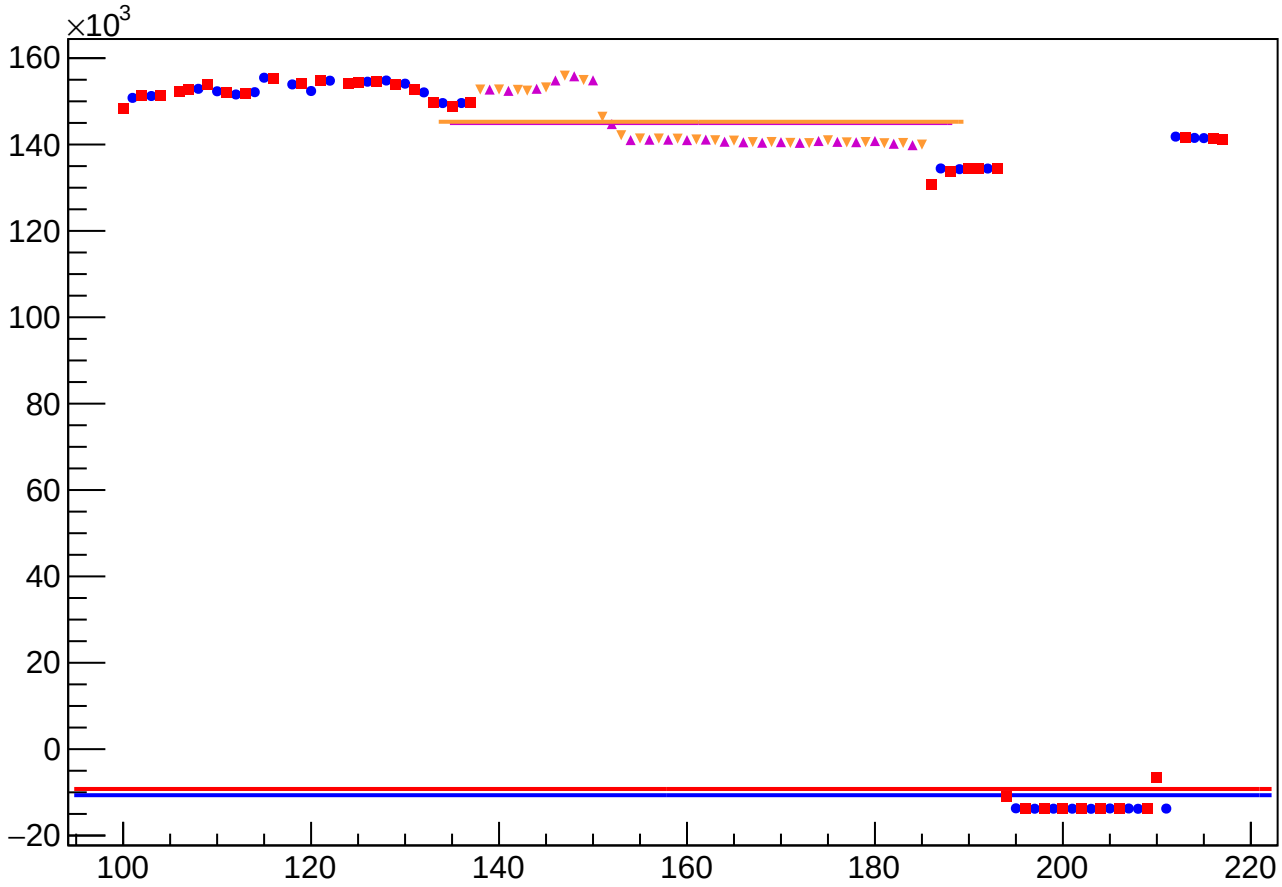
Right Out: 201.747+/-0.034 χ^2/NDF: 3990276.9/35

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 212.122+/-0.025 χ^2/NDF: 4018399.4/55

All: 210.324+/-0.018 χ^2/NDF: 8696495.5/114

- sign 208.578+/-0.025 χ^2/NDF: 4667948.5/58



Right In: -10661.166+/-0.009 χ^2/NDF: 6498989865505.2/30

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9217.381+/-0.009 χ^2/NDF: 7686356218932.6/35

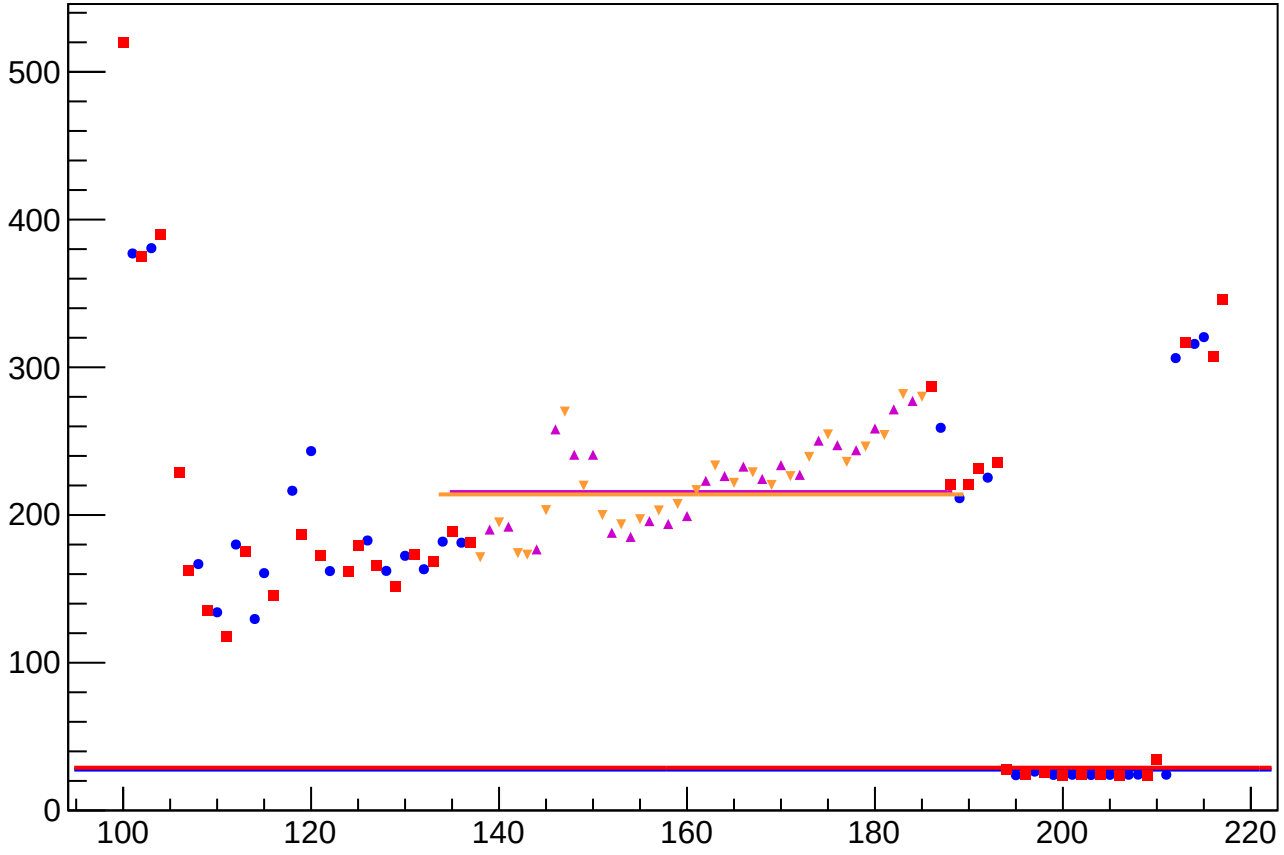
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5926.211+/-0.009 χ^2/NDF: 1617850229439

All: -5129.987+/-0.006 χ^2/NDF: 3266930347

- sign -4215.639+/-0.009 χ^2/NDF: 16472412178762

yield_bpm0i07WS_rms vs Slug



Right In: 27.663+/-0.006 χ^2/NDF: 17069043.1/30

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

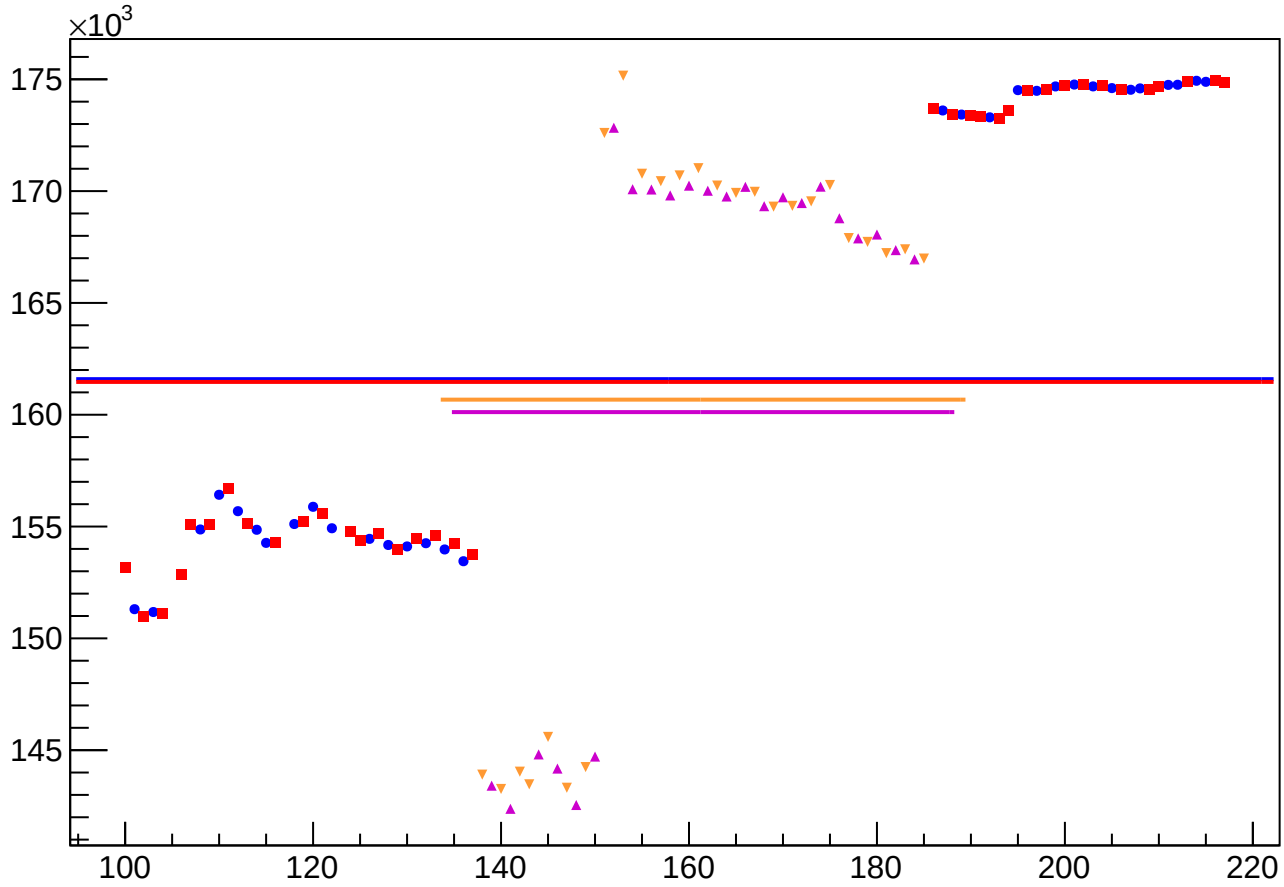
Right Out: 28.933+/-0.007 χ^2/NDF: 18653602.7/35

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.320+/-0.006 χ^2/NDF: 45311066.3/55

All: 34.096+/-0.004 χ^2/NDF: 90300787.5/114

- sign 34.987+/-0.007 χ^2/NDF: 44954783.1/58



Right In: 161591.081+/-0.053 χ^2/NDF: 32120039589.3/30

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161467.949+/-0.050 χ^2/NDF: 35215514441.7/35

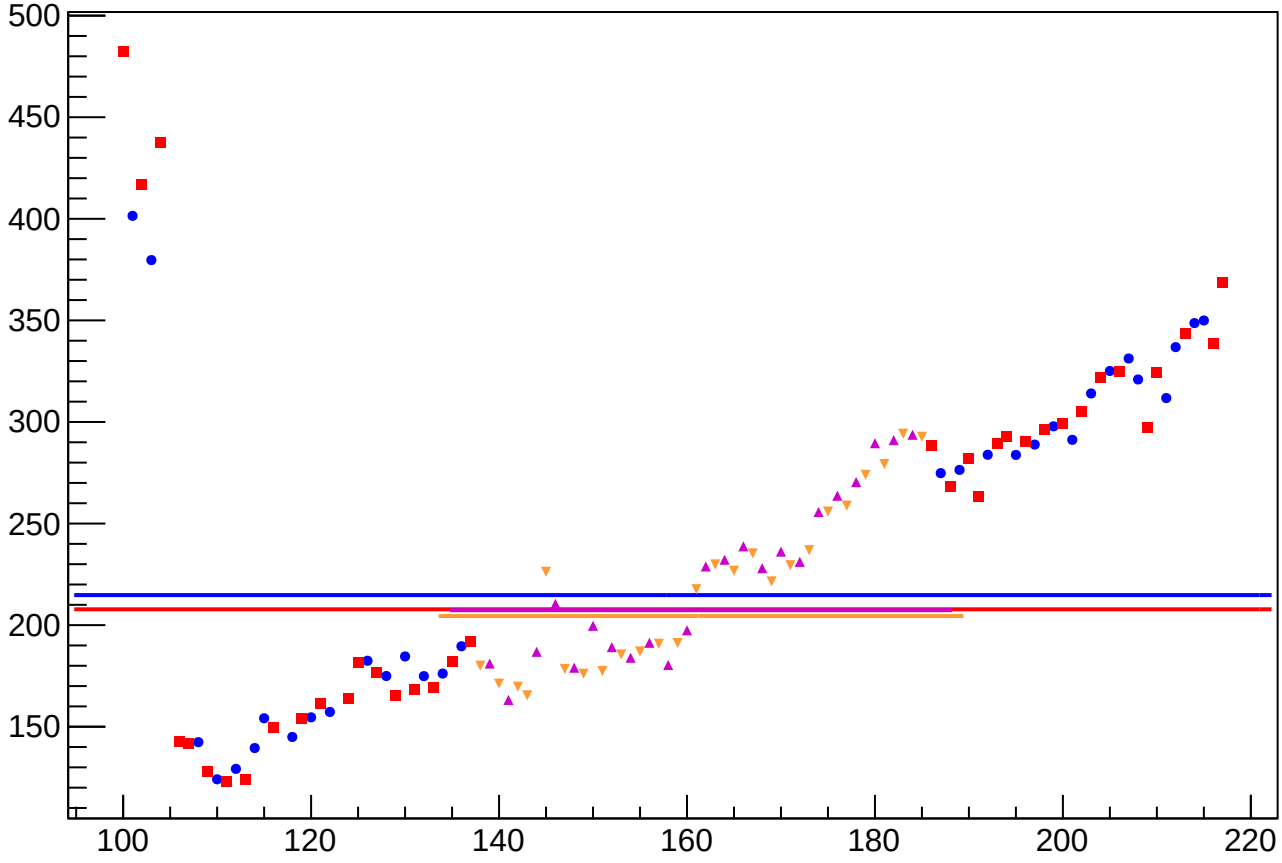
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 161084.915+/-0.035 χ^2/NDF: 106442475694

All: 160936.939+/-0.025 χ^2/NDF: 20861903

- sign 160791.073+/-0.035 χ^2/NDF: 102141512631

yield_bpm1i02WS_rms vs Slug



Right In: 214.785+/-0.037 χ^2/NDF: 4579392.9/30

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

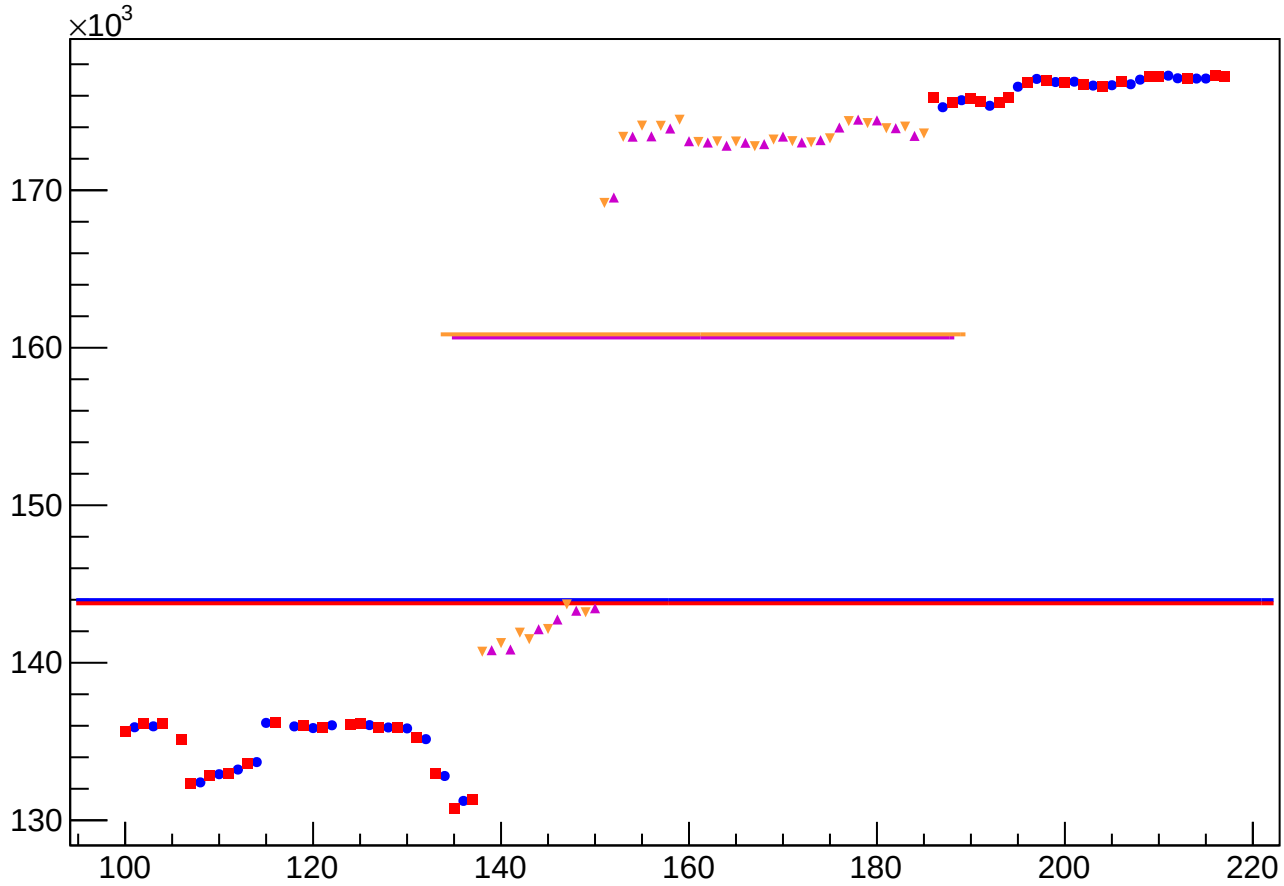
Right Out: 207.790+/-0.035 χ^2/NDF: 5429989.8/35

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 209.090+/-0.025 χ^2/NDF: 5694947.6/55

All: 208.329+/-0.018 χ^2/NDF: 12083508.6/11

- sign 207.579+/-0.025 χ^2/NDF: 6386706.5/58



Right In: 143977.525+/-0.045 χ^2/NDF: 160391418721.4/30

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 143775.909+/-0.042 χ^2/NDF: 177653637412.1/35

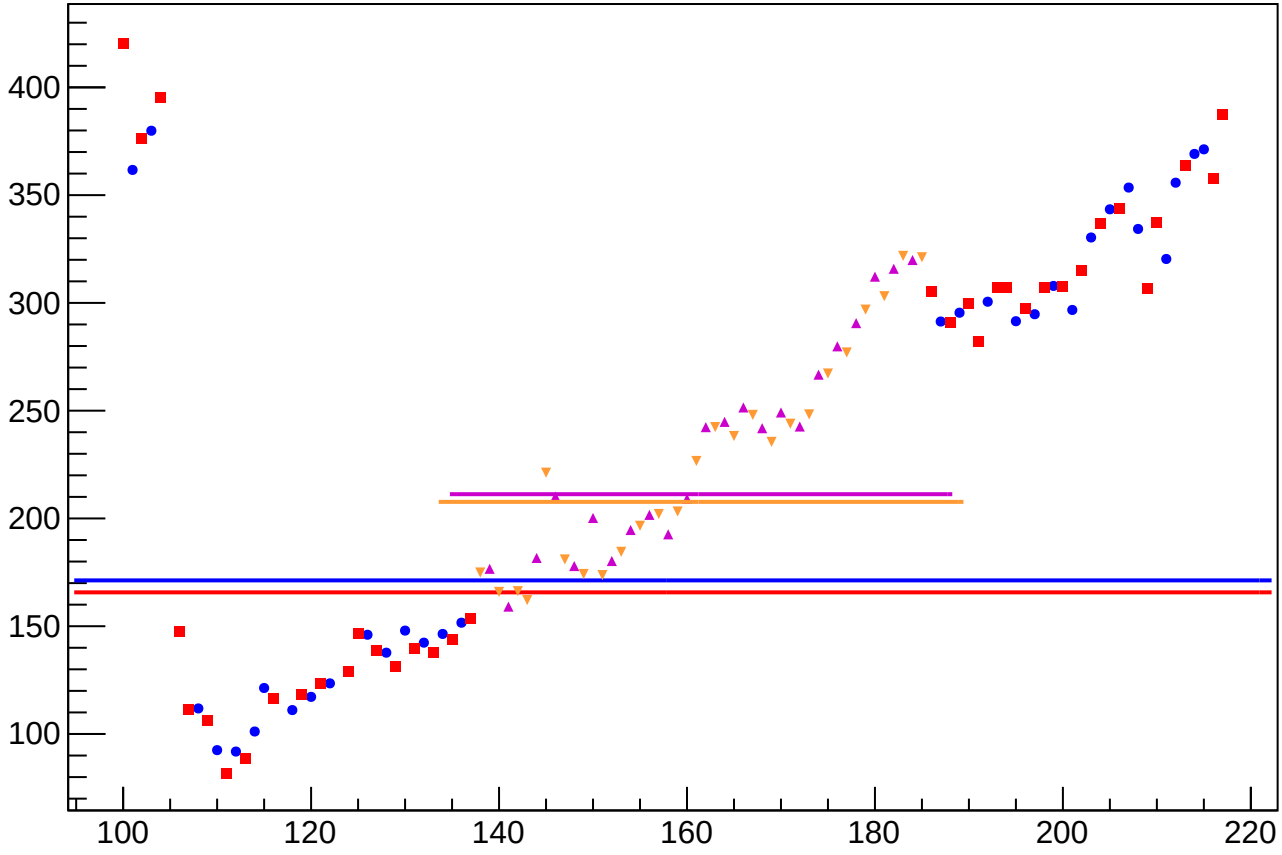
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 151727.005+/-0.033 χ^2/NDF: 32523541346

All: 151206.765+/-0.023 χ^2/NDF: 6591411

- sign 150699.387+/-0.032 χ^2/NDF: 333409466864

yield_bpm1i04WS_rms vs Slug



Right In: 171.263+/-0.032 χ^2/NDF: 8413296.9/30

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

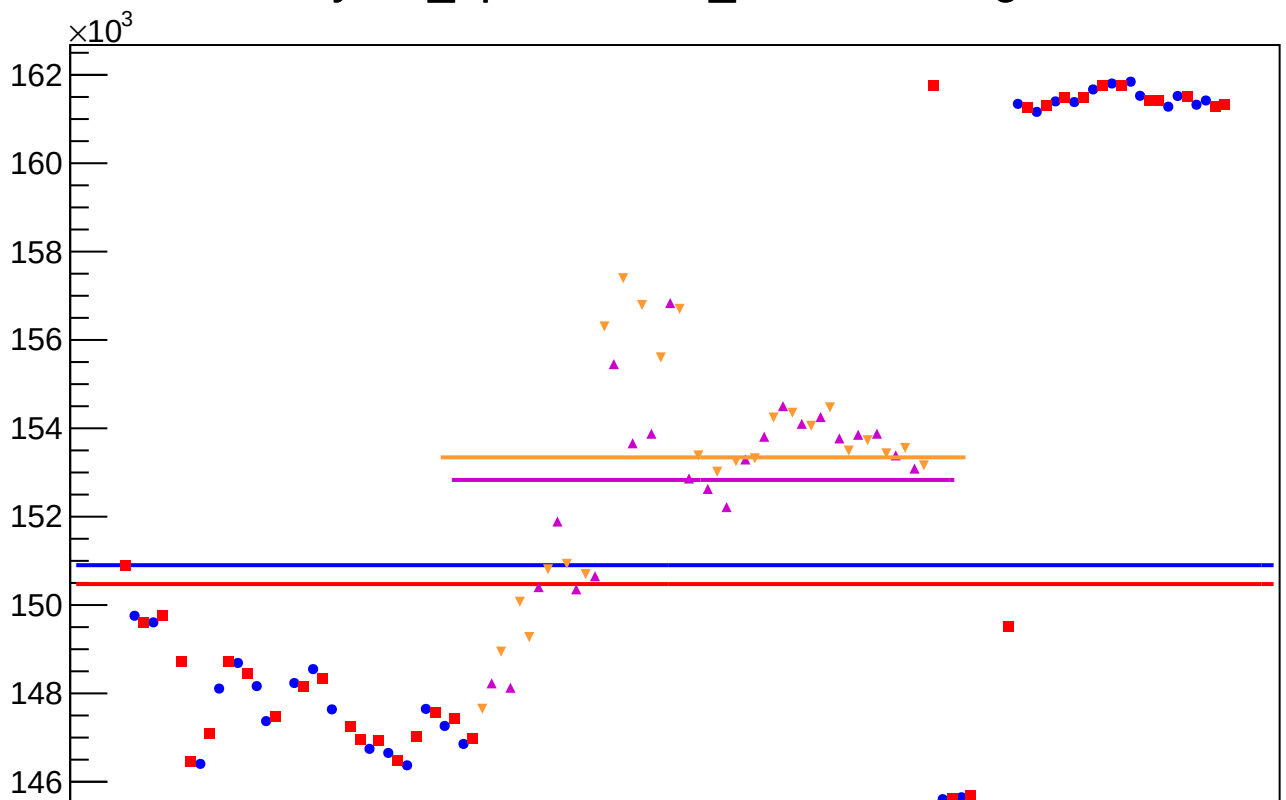
Right Out: 165.710+/-0.030 χ^2/NDF: 9584221.1/35

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

+ sign 187.992+/-0.023 χ^2/NDF: 10525818.8/55

All: 186.170+/-0.016 χ^2/NDF: 22383342.7/11

- sign 184.393+/-0.023 χ^2/NDF: 11845343.1/58



Right In: 150902.065+/-0.052 χ^2/NDF: 14059131808.1/30

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 150474.488+/-0.049 χ^2/NDF: 13877688794.4/35

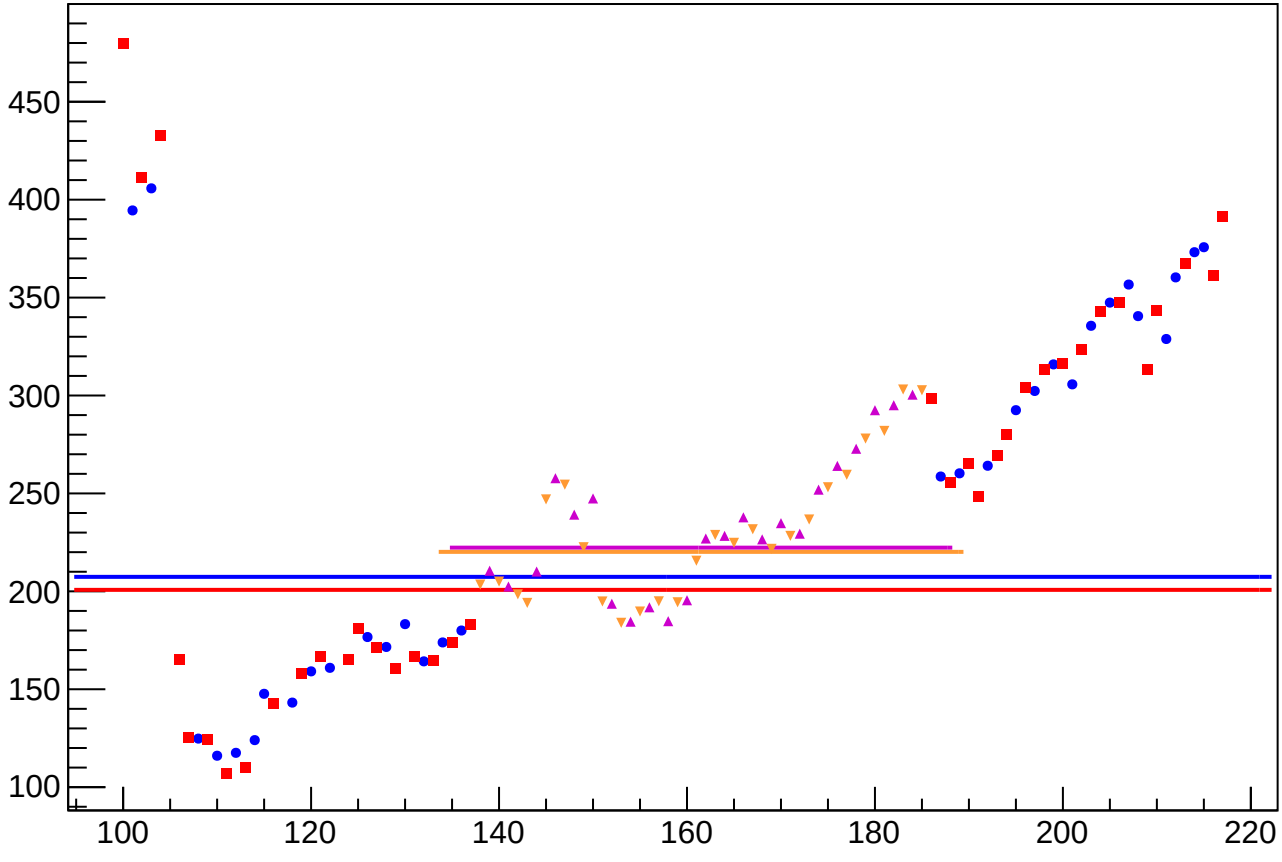
Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

+ sign 152144.940+/-0.036 χ^2/NDF: 18170254507.

All: 151847.746+/-0.025 χ^2/NDF: 351716783

- sign 151557.955+/-0.036 χ^2/NDF: 16868692702.2

yield_bpm1i06WS_rms vs Slug



Right In: 207.396+/-0.037 χ^2/NDF: 5750932.5/30

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 200.753+/-0.034 χ^2/NDF: 6535758.1/35

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 213.895+/-0.026 χ^2/NDF: 6498436.7/55

All: 212.257+/-0.018 χ^2/NDF: 13919896.7/11

- sign 210.660+/-0.025 χ^2/NDF: 7413398.8/58

Right In: 156839.818+/-0.046 χ^2/NDF: 45893971197.2/30

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156712.911+/-0.043 χ^2/NDF: 51776835641.8/35

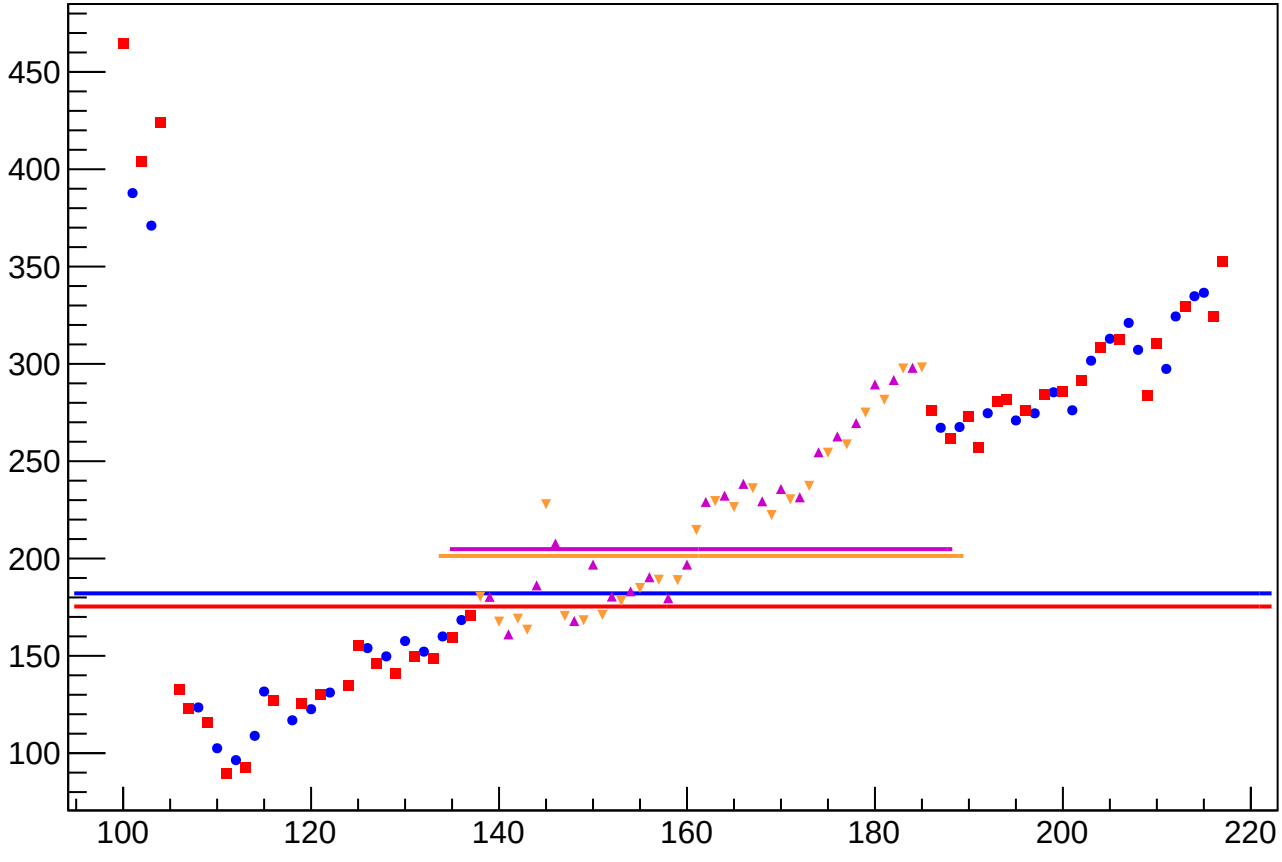
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162035.268+/-0.033 χ^2/NDF: 131331515214

All: 161676.280+/-0.023 χ^2/NDF: 26446803

- sign 161326.833+/-0.032 χ^2/NDF: 132900148487

yield_bpm2i01WS_rms vs Slug



Right In: 182.100+/-0.033 χ^2/NDF: 6517976.1/30

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

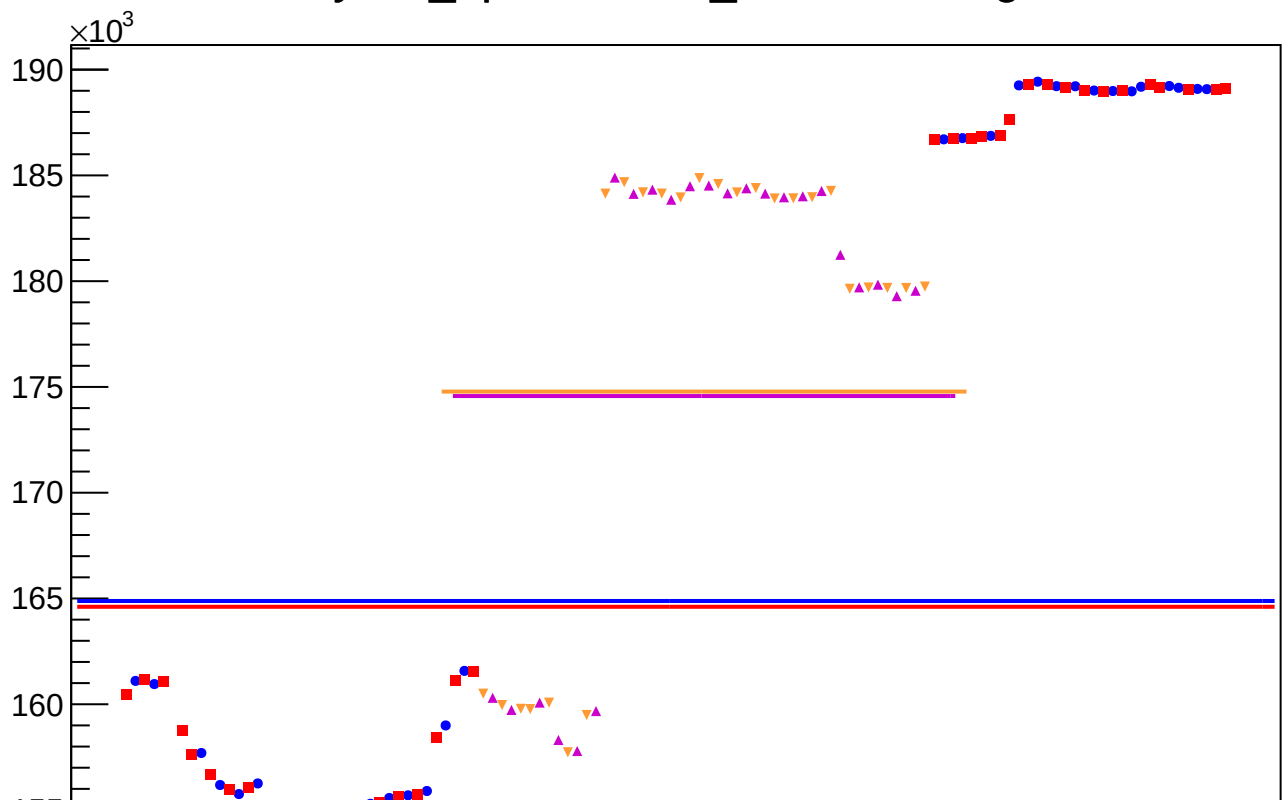
Right Out: 175.349+/-0.031 χ^2/NDF: 7600813.2/35

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 191.573+/-0.023 χ^2/NDF: 7920415.8/55

All: 189.902+/-0.016 χ^2/NDF: 16993127.8/11

- sign 188.276+/-0.023 χ^2/NDF: 9062470.0/58



Right In: 164882.045+/-0.049 χ^2/NDF: 85448308002.2/30

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164607.581+/-0.046 χ^2/NDF: 93559588218.9/35

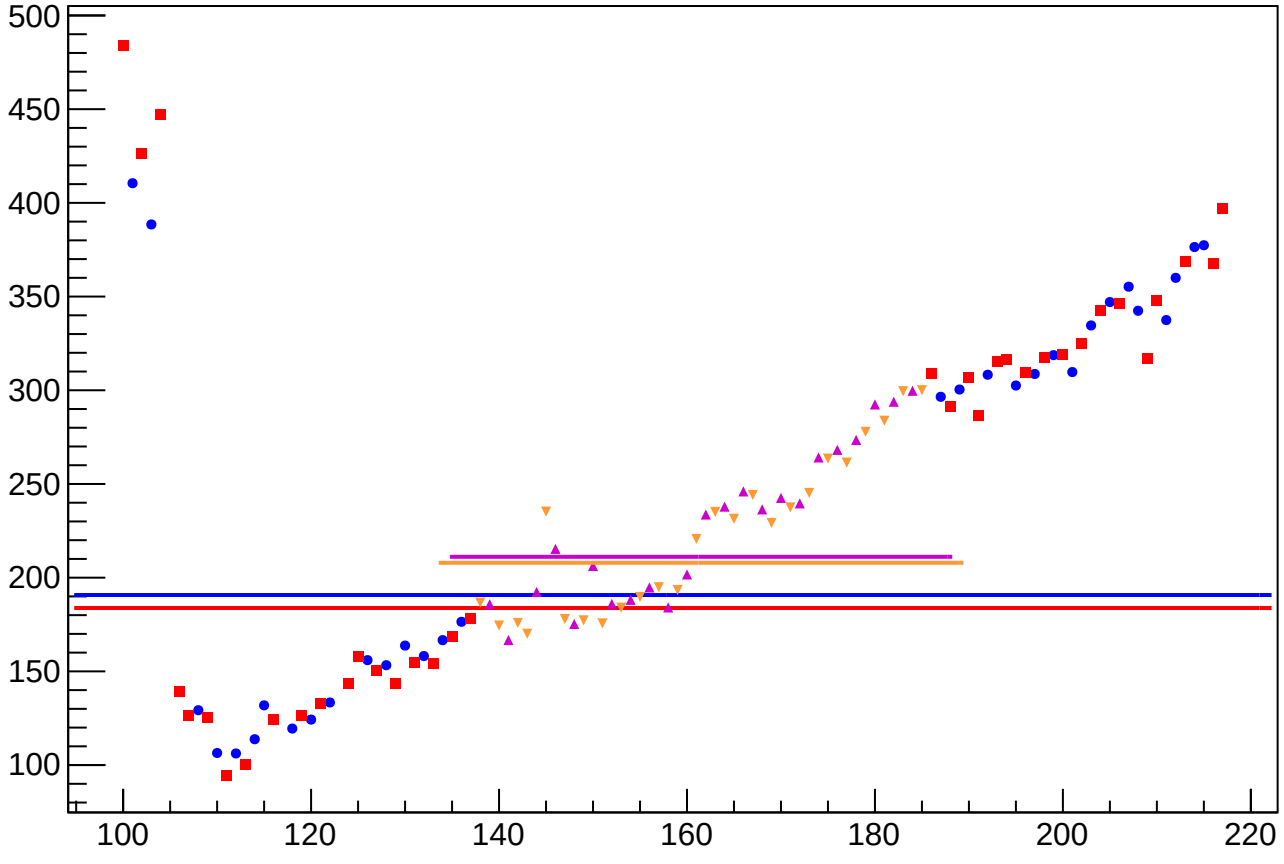
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 169898.600+/-0.034 χ^2/NDF: 16437691869

All: 169507.976+/-0.024 χ^2/NDF: 3343534

- sign 169126.765+/-0.034 χ^2/NDF: 16972054223

yield_bpm2i02WS_rms vs Slug



Right In: 190.742+/-0.035 χ^2/NDF: 7312620.7/30

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 183.813+/-0.032 χ^2/NDF: 8446976.0/35

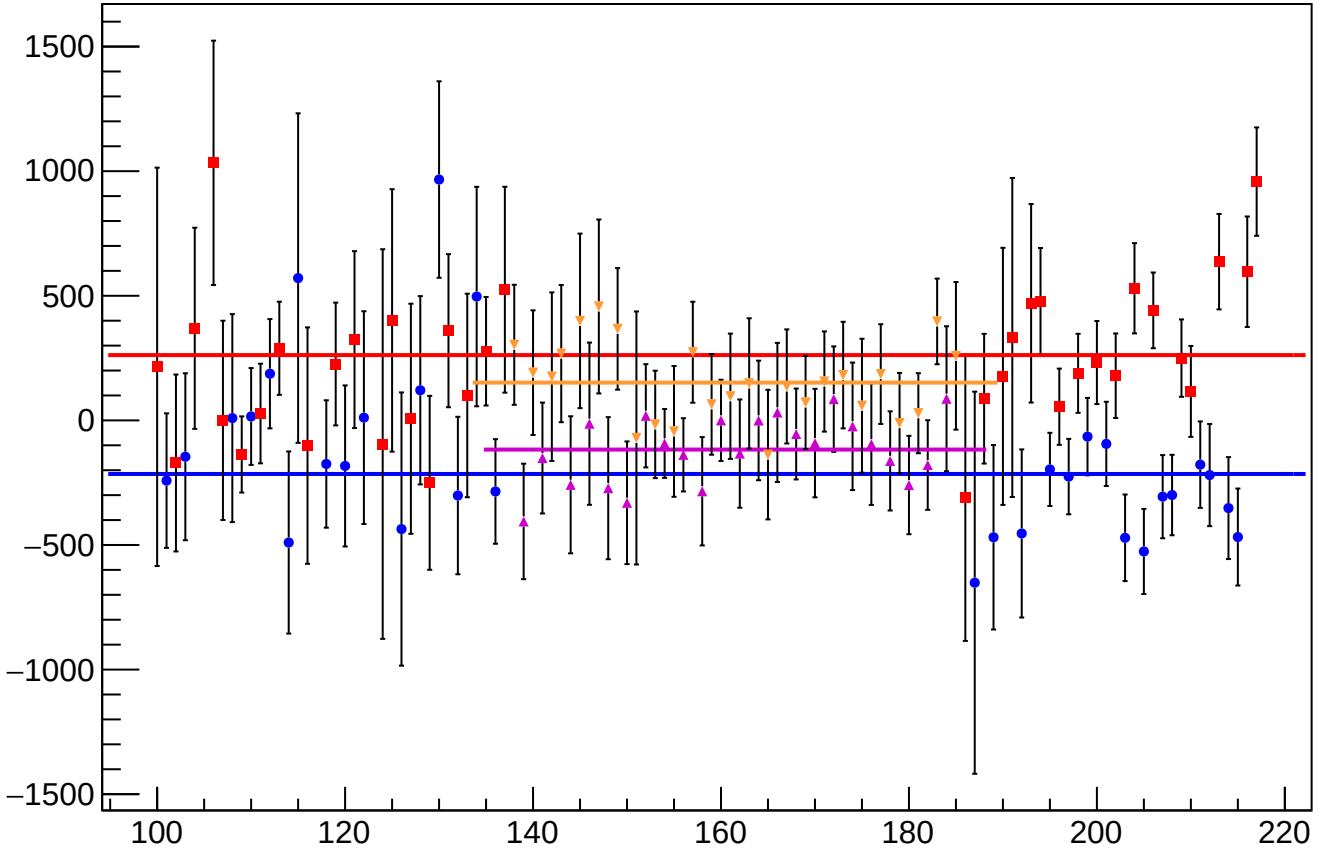
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 199.458+/-0.024 χ^2/NDF: 8570290.1/55

All: 197.812+/-0.017 χ^2/NDF: 18341990.0/11

- sign 196.206+/-0.024 χ^2/NDF: 9762613.4/58

asym_bcm_target_mean vs Slug



Right In: -215.063+/-40.698 χ^2/NDF: 31.1/30

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 262.038+/-39.753 χ^2/NDF: 42.4/35

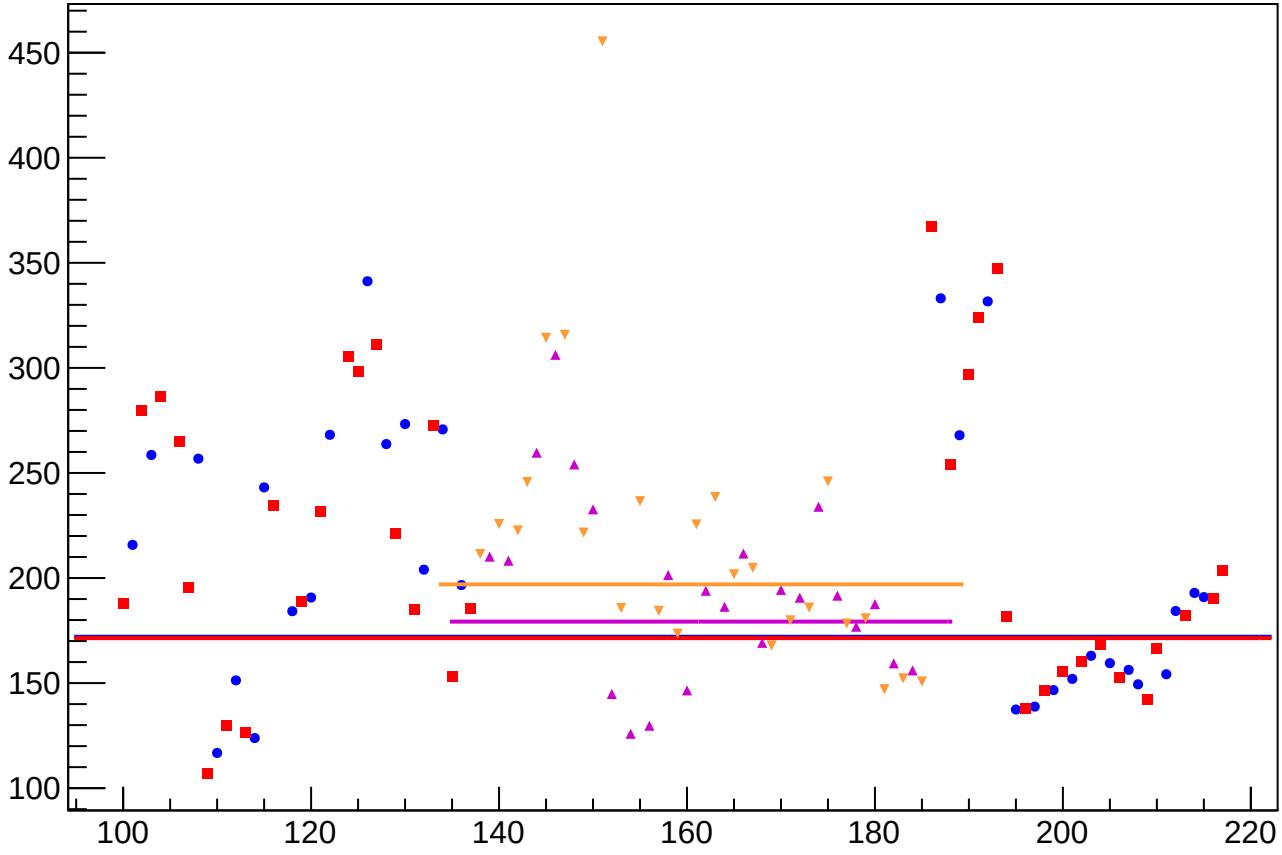
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -55.710+/-30.602 χ^2/NDF: 76.0/55

All: 20.334+/-21.212 χ^2/NDF: 178.9/114

\- sign 90.667+/-29.430 χ^2/NDF: 91.0/58

asym_bcm_target_rms vs Slug



Right In: 172.042+/-0.029 χ^2/NDF: 2308374.2/30

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

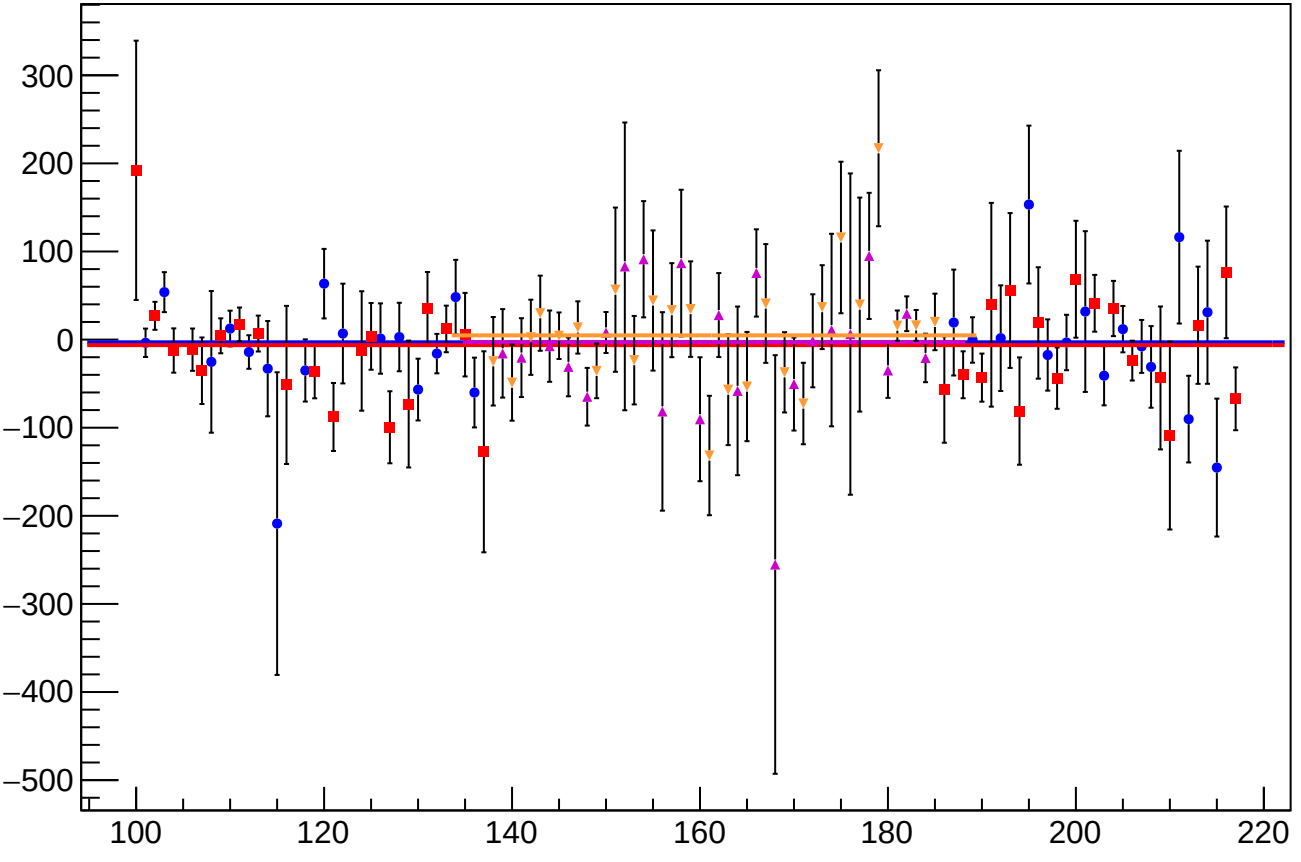
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 182.878+/-0.022 χ^2/NDF: 4443935.0/55

All: 178.759+/-0.015 χ^2/NDF: 9240124.7/114

- sign 174.949+/-0.021 χ^2/NDF: 4726437.6/58

asym_bcm_an_diff_mean vs Slug



Right In: -3.086+/-6.061 χ^2/NDF: 32.6/30

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.271+/-5.589 χ^2/NDF: 42.5/35

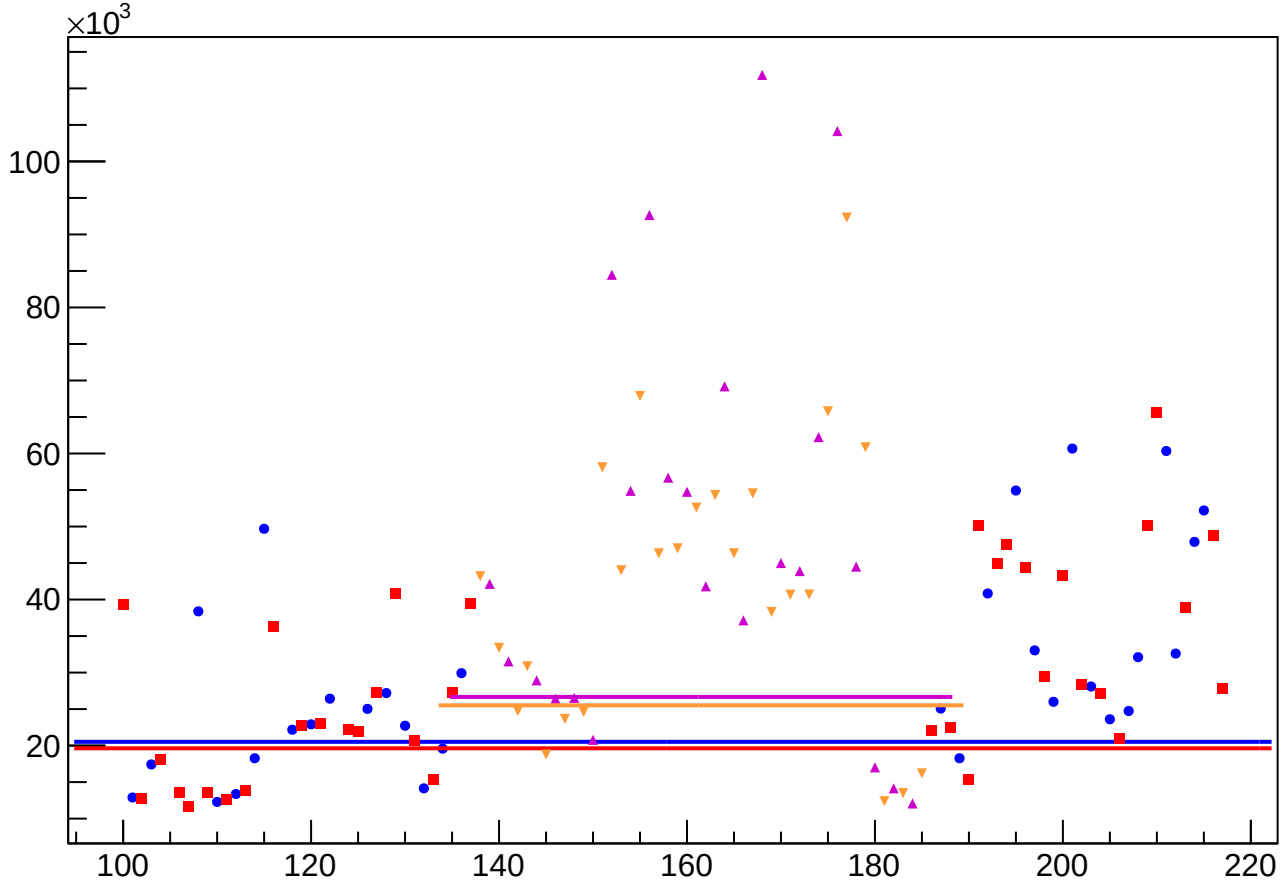
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign -0.019+/-4.739 χ^2/NDF: 57.5/55

All: -2.675+/-3.346 χ^2/NDF: 122.2/114

- sign -5.314+/-4.724 χ^2/NDF: 64.1/58

asym_bcm_an_diff_rms vs Slug



Right In: 20518.087+/-4.286 χ^2/NDF: 4148361.9/30

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19626.405+/-3.952 χ^2/NDF: 4795811.0/35

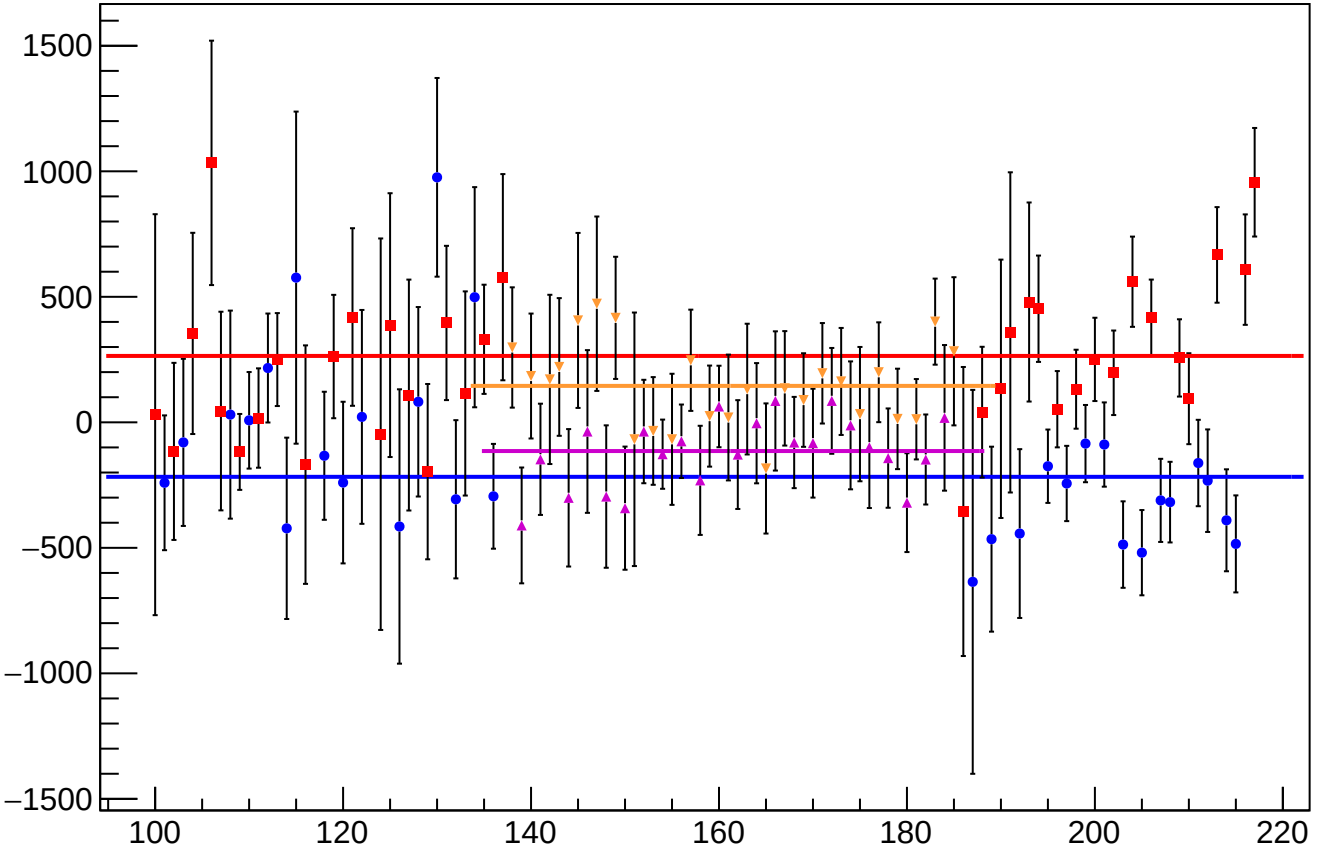
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22459.447+/-3.351 χ^2/NDF: 12418827.6/55

All: 22046.048+/-2.366 χ^2/NDF: 24032914.4

- sign 21635.226+/-3.340 χ^2/NDF: 11583741.9/58

asym_bcm_an_ds_mean vs Slug



Right In: -217.120+/-40.431 χ^2/NDF: 32.5/30

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 264.505+/-39.501 χ^2/NDF: 43.8/35

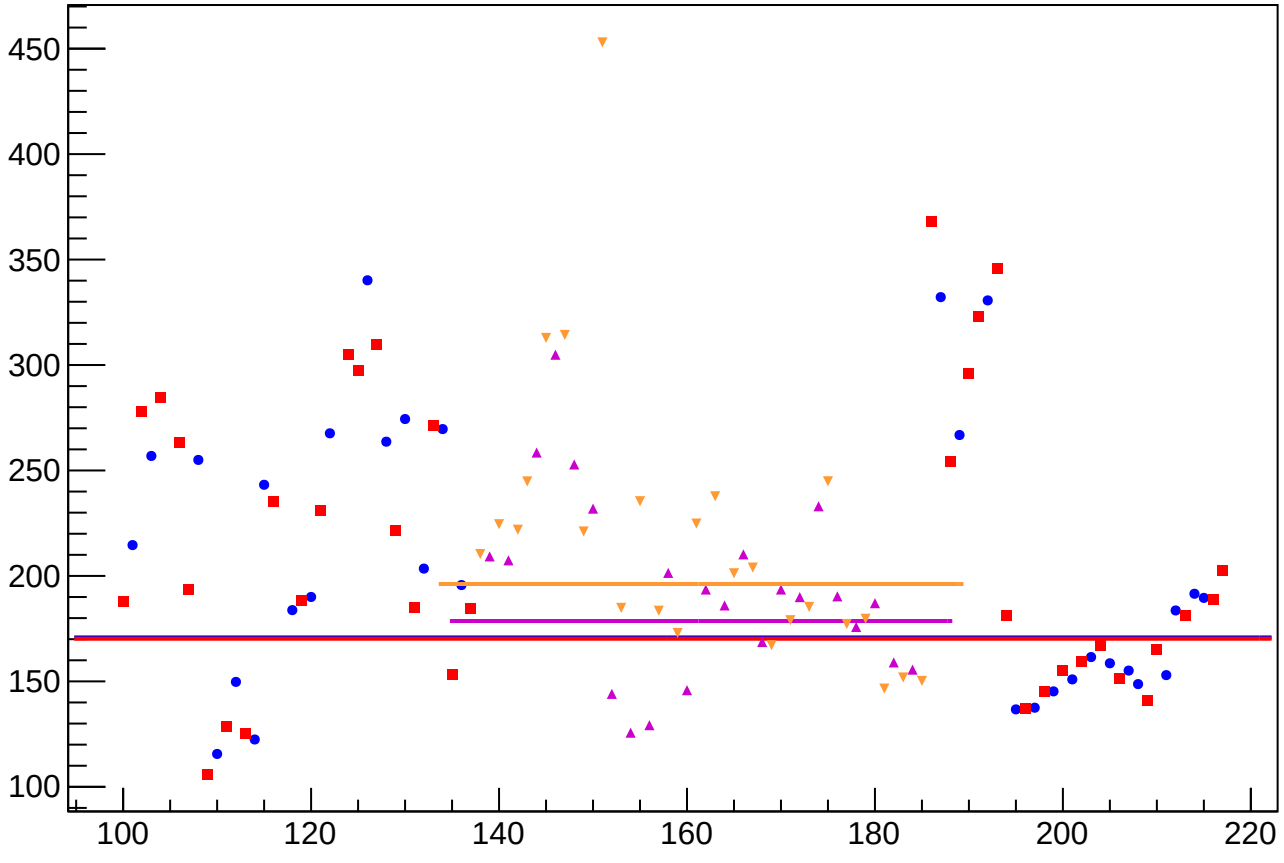
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -60.093+/-30.433 χ^2/NDF: 78.5/55

All: 19.812+/-21.100 χ^2/NDF: 185.5/114

- sign 93.778+/-29.280 χ^2/NDF: 93.7/58

asym_bcm_an_ds_rms vs Slug



Right In: 170.844+/-0.029 χ^2/NDF: 2338472.8/30

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.227+/-0.028 χ^2/NDF: 3074082.7/35

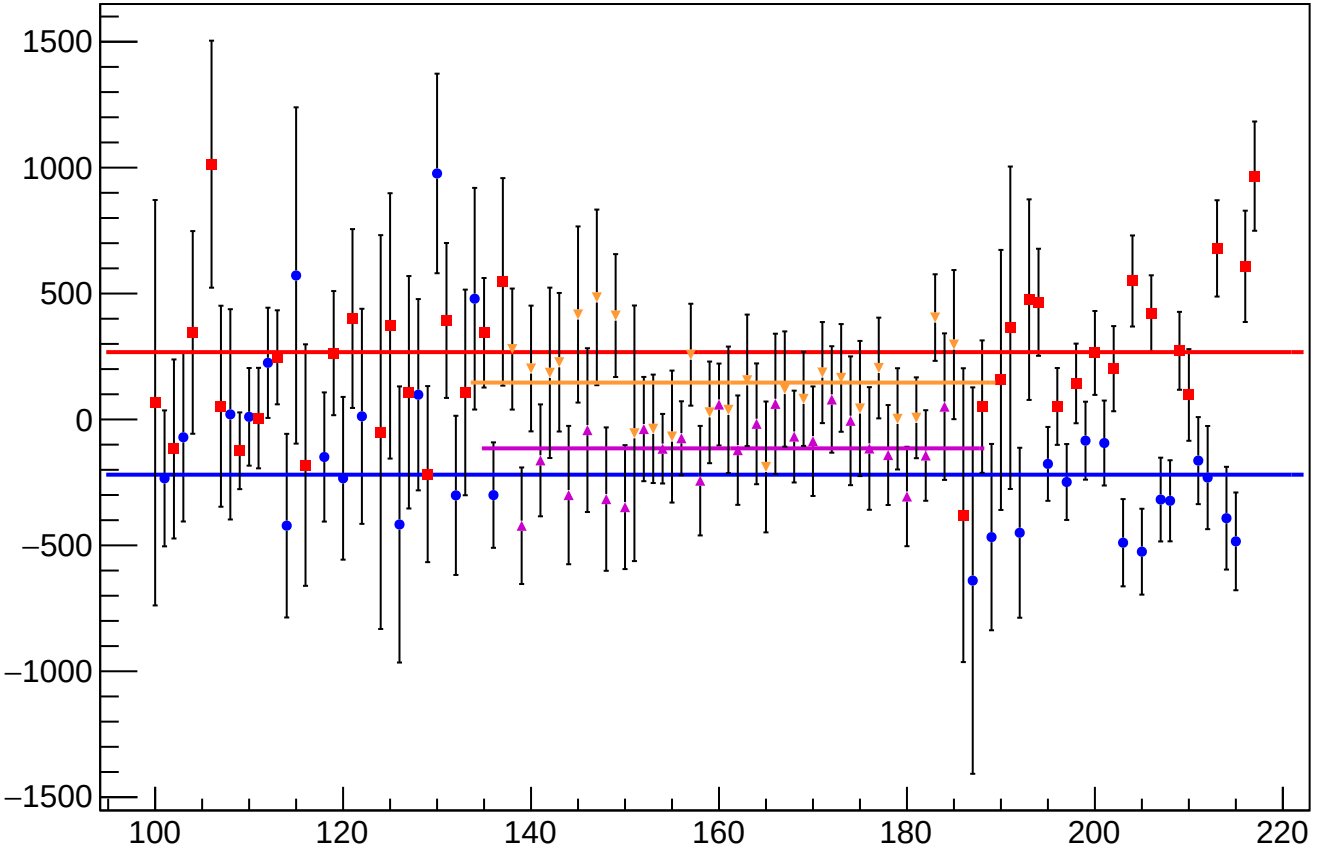
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 181.819+/-0.022 χ^2/NDF: 4485367.8/55

All: 177.763+/-0.015 χ^2/NDF: 9320417.0/114

- sign 174.009+/-0.021 χ^2/NDF: 4766647.1/58

asym_bcm_an_ds3_mean vs Slug



Right In: -219.323+/-40.622 χ^2/NDF: 32.6/30

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 267.361+/-39.698 χ^2/NDF: 44.0/35

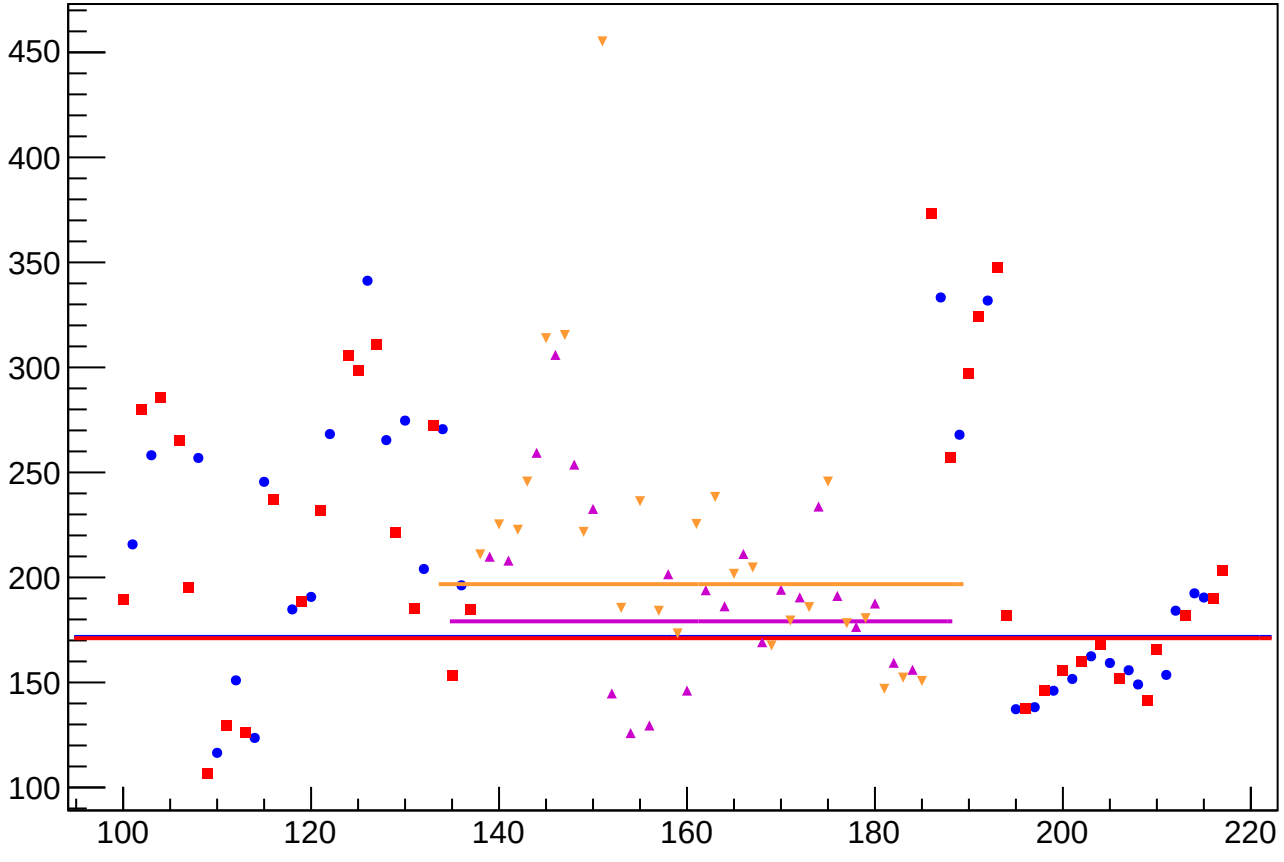
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -60.549+/-30.558 χ^2/NDF: 79.2/55

All: 20.108+/-21.185 χ^2/NDF: 186.9/114

- sign 94.750+/-29.396 χ^2/NDF: 94.3/58

asym_bcm_an_ds3_rms vs Slug



Right In: 171.669+/-0.029 χ^2/NDF: 2330388.9/30

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.079+/-0.028 χ^2/NDF: 3070507.7/35

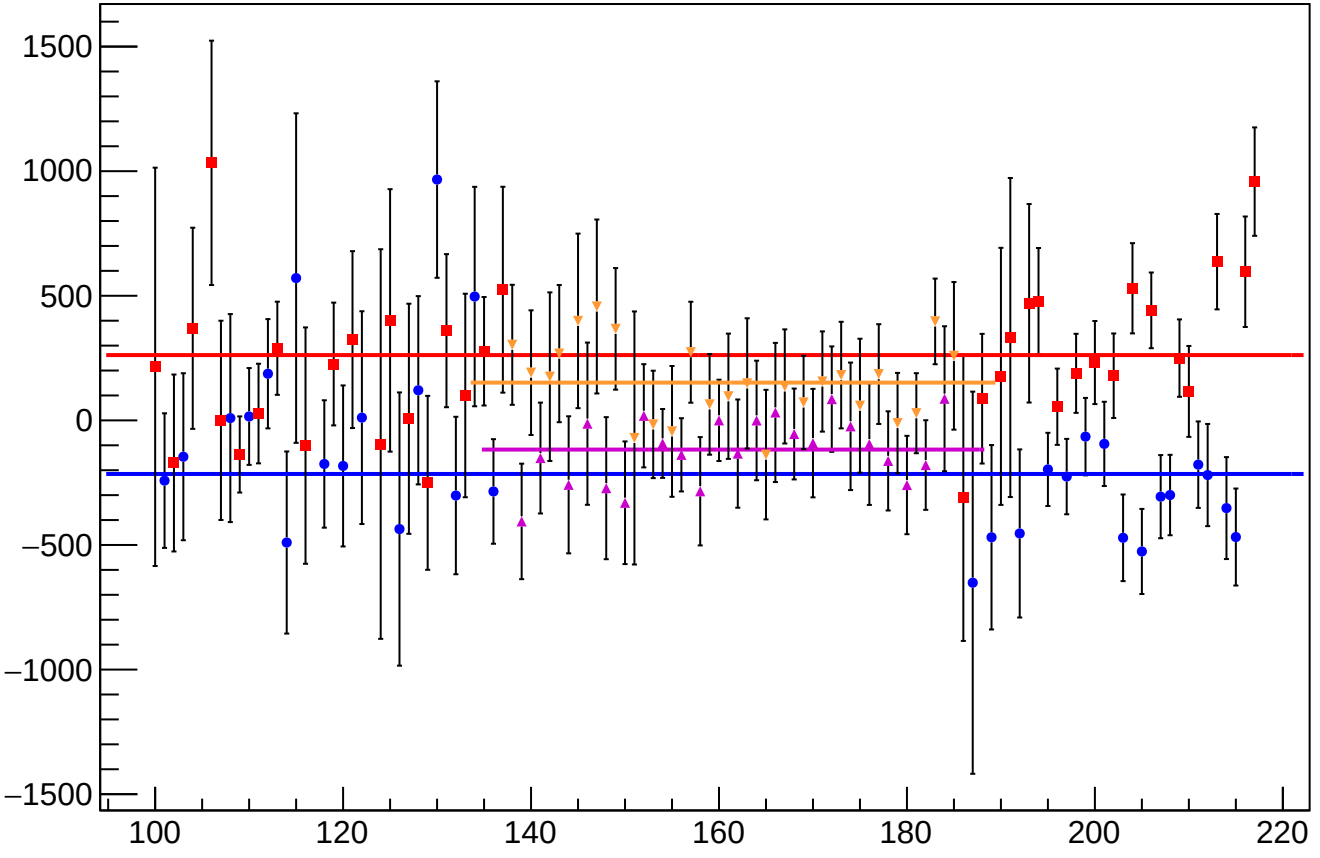
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 182.581+/-0.022 χ^2/NDF: 4471452.0/55

All: 178.489+/-0.015 χ^2/NDF: 9303765.0/114

- sign 174.702+/-0.021 χ^2/NDF: 4763259.8/58

asym_bcm_an_us_mean vs Slug



Right In: -215.063+/-40.698 χ^2/NDF: 31.1/30

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 262.038+/-39.753 χ^2/NDF: 42.4/35

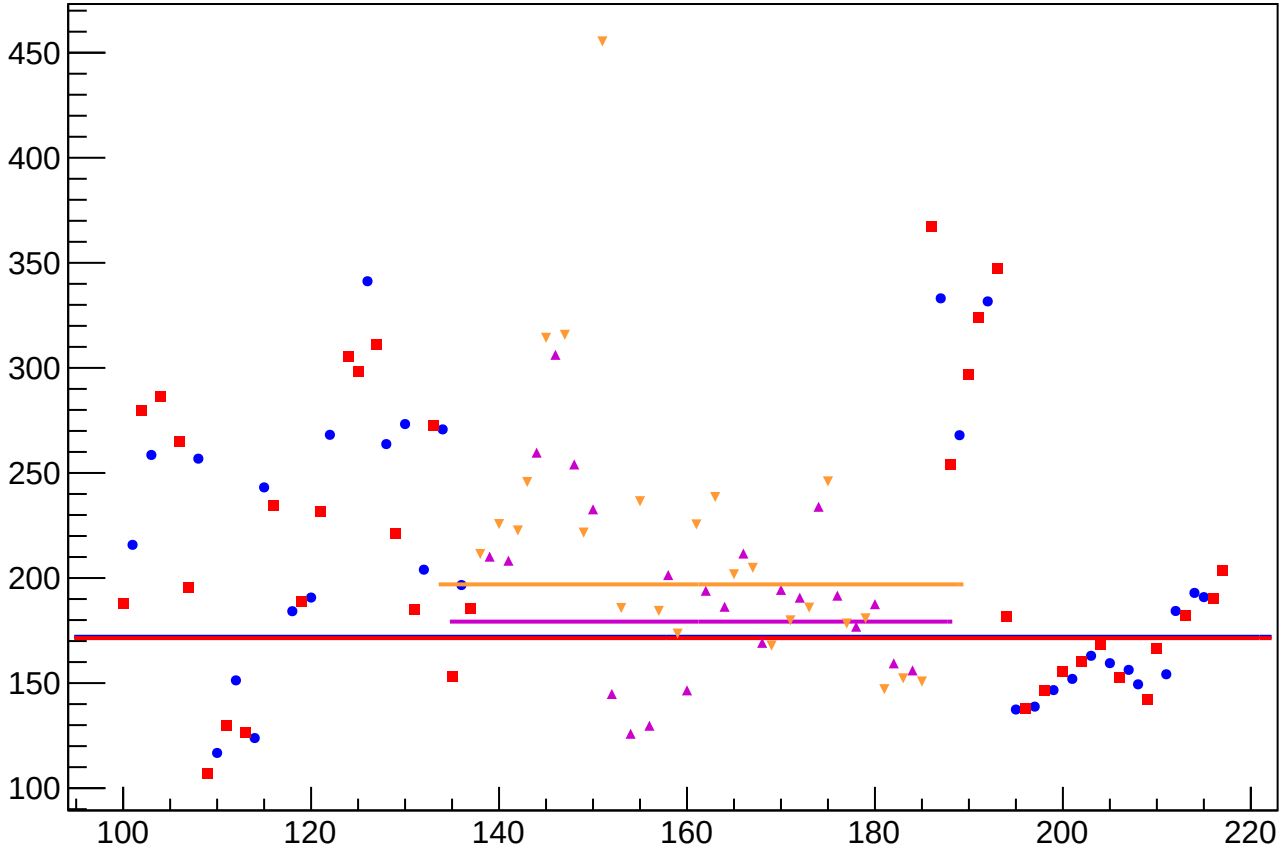
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -55.710+/-30.602 χ^2/NDF: 76.0/55

All: 20.334+/-21.212 χ^2/NDF: 178.9/114

- sign 90.667+/-29.430 χ^2/NDF: 91.0/58

asym_bcm_an_us_rms vs Slug



Right In: 172.042+/-0.029 χ^2/NDF: 2308374.2/30

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.398+/-0.028 χ^2/NDF: 3035097.7/35

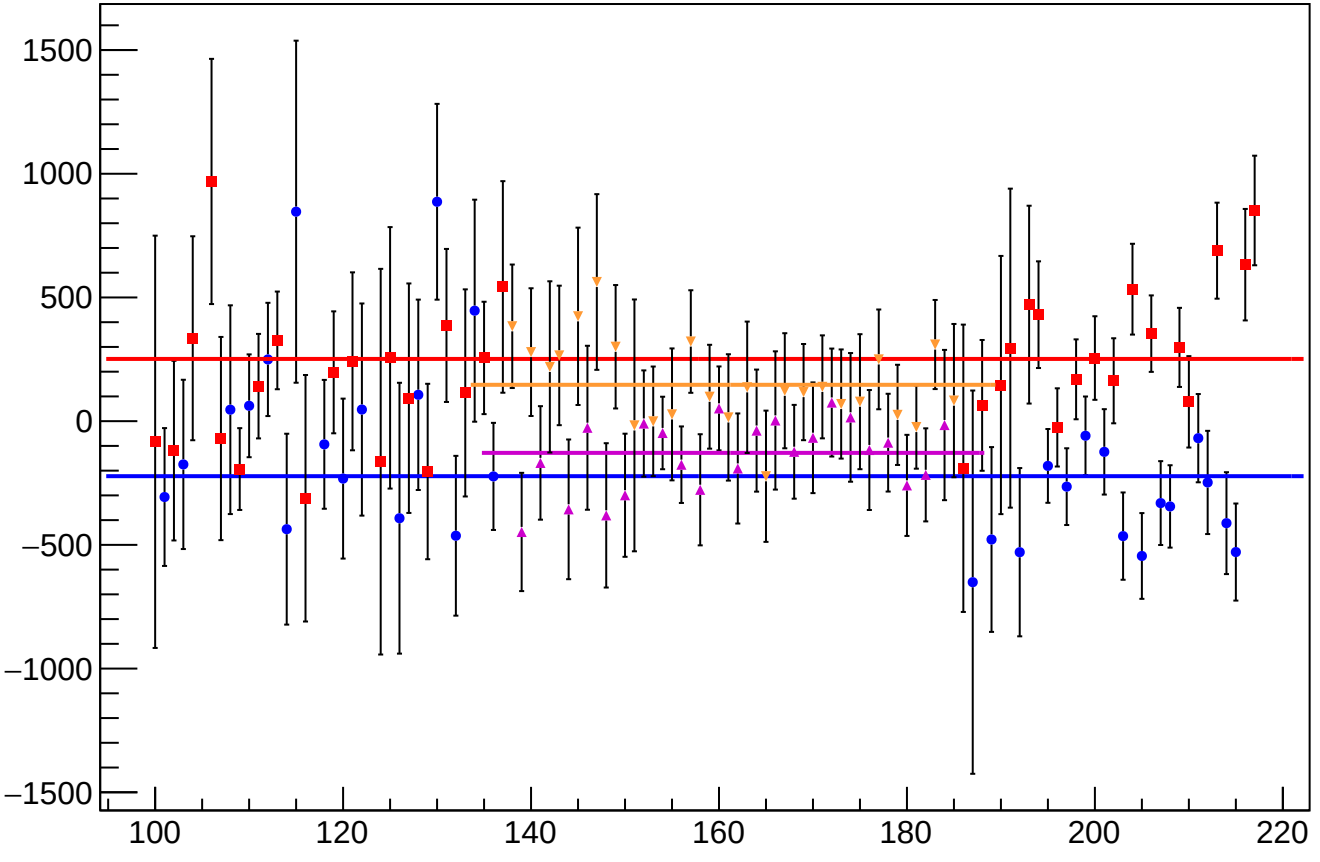
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 182.878+/-0.022 χ^2/NDF: 4443935.0/55

All: 178.759+/-0.015 χ^2/NDF: 9240124.7/114

- sign 174.949+/-0.021 χ^2/NDF: 4726437.6/58

asym_bcm_dg_us_mean vs Slug



Right In: -222.362+/-41.599 χ^2/NDF: 34.9/30

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 251.552+/-40.766 χ^2/NDF: 40.5/35

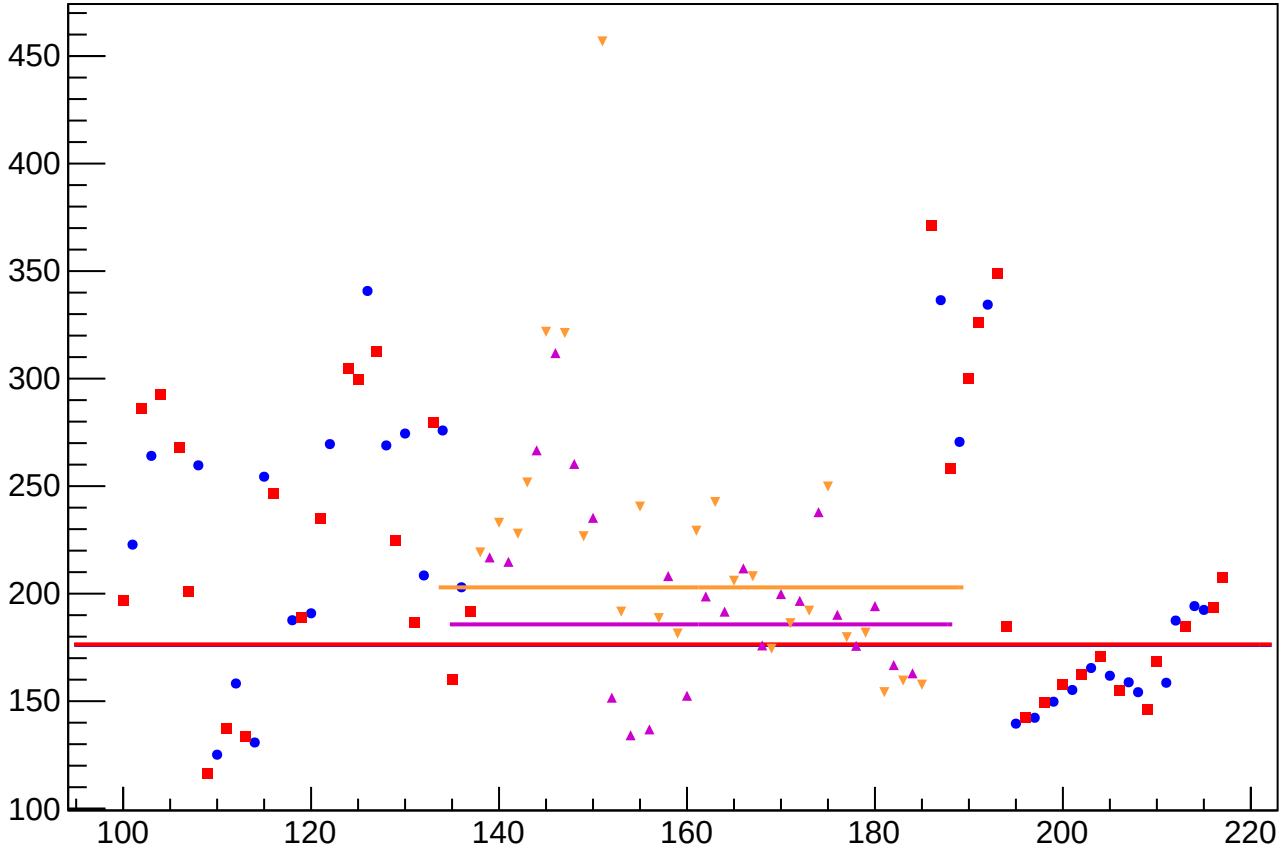
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -62.845+/-31.354 χ^2/NDF: 79.1/55

All: 11.719+/-21.778 χ^2/NDF: 178.1/114

- sign 81.228+/-30.273 χ^2/NDF: 88.0/58

asym_bcm_dg_us_rms vs Slug



Right In: 176.157+/-0.029 χ^2/NDF: 2204499.9/30

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.393+/-0.029 χ^2/NDF: 2818883.8/35

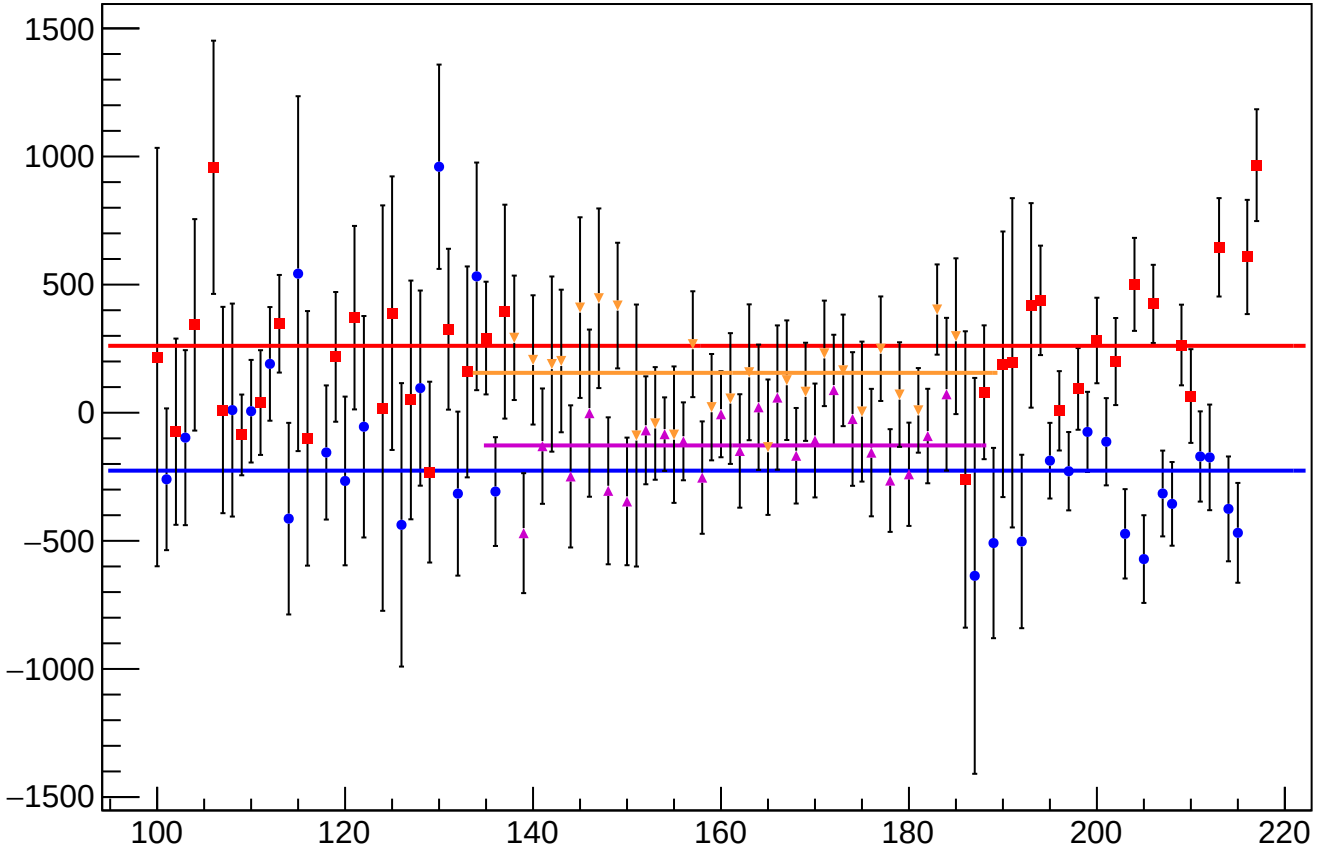
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 187.716+/-0.022 χ^2/NDF: 4262149.1/55

All: 184.020+/-0.015 χ^2/NDF: 8671136.2/114

- sign 180.575+/-0.021 χ^2/NDF: 4355288.3/58

asym_bcm_dg_ds_mean vs Slug



Right In: -226.069+/-41.081 χ^2/NDF: 32.1/30

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 261.107+/-40.157 χ^2/NDF: 39.7/35

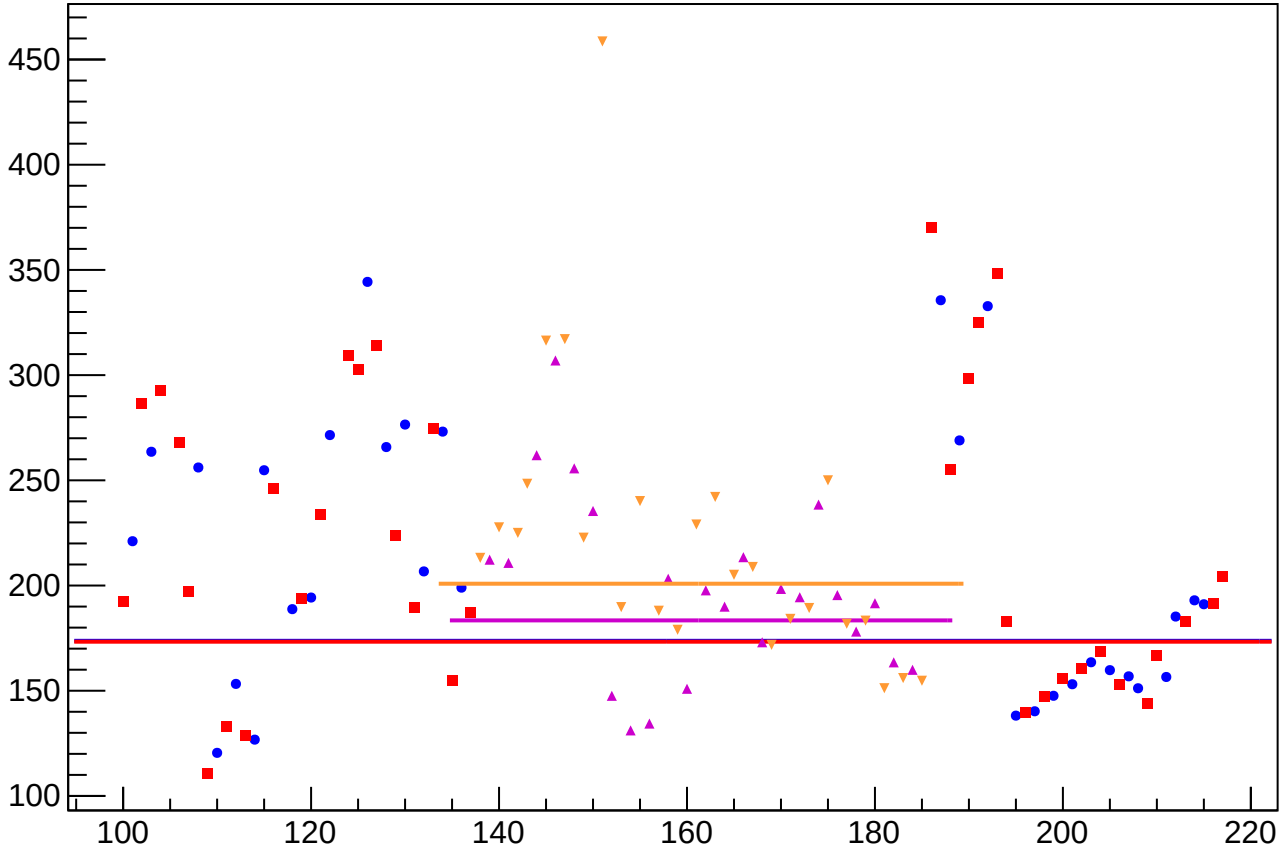
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -61.793+/-31.006 χ^2/NDF: 79.9/55

All: 15.615+/-21.512 χ^2/NDF: 181.5/114

- sign 87.466+/-29.872 χ^2/NDF: 89.6/58

asym_bcm_dg_ds_rms vs Slug



Right In: 173.722+/-0.029 χ^2/NDF: 2295407.1/30

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.312+/-0.028 χ^2/NDF: 2991307.8/35

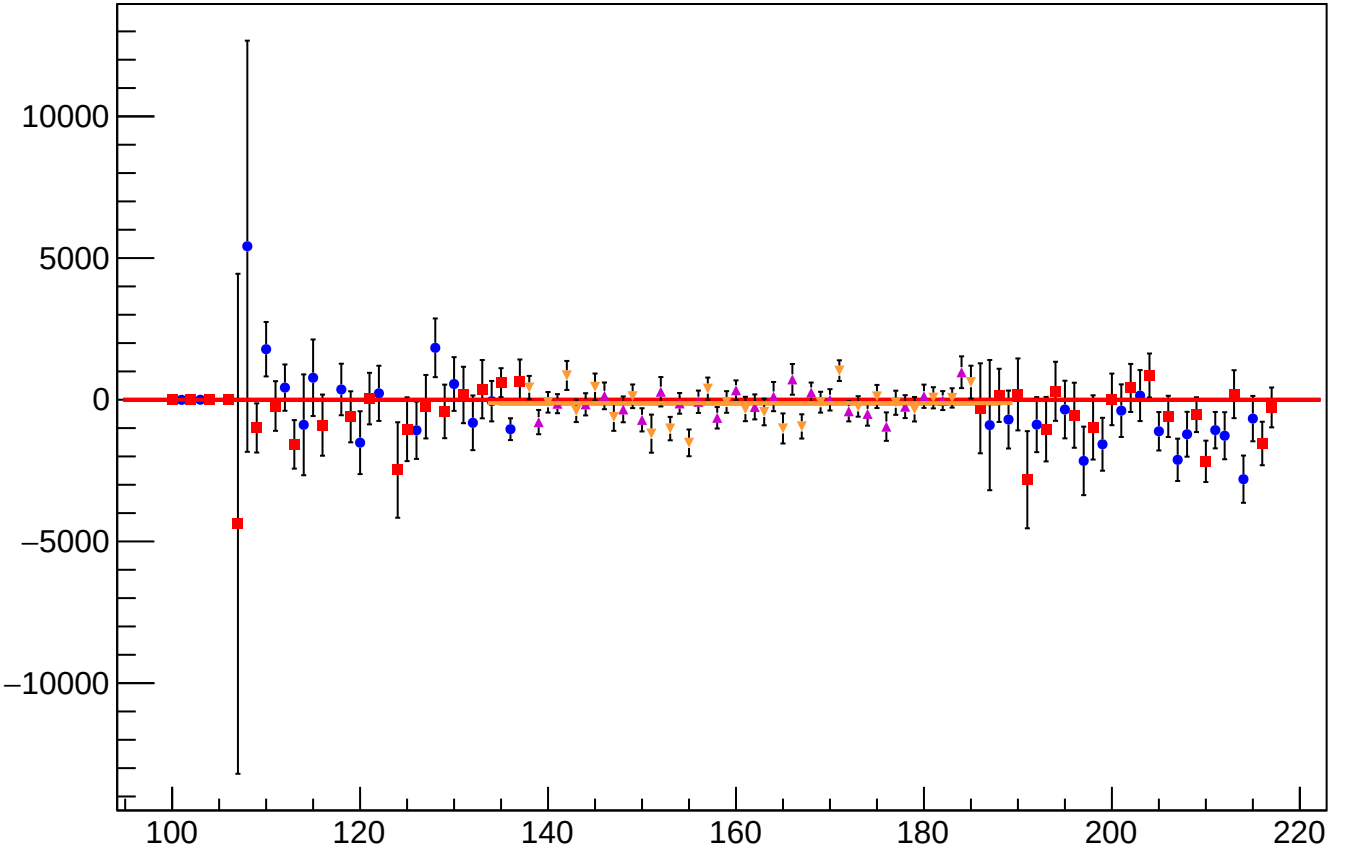
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 185.403+/-0.022 χ^2/NDF: 4398555.2/55

All: 181.477+/-0.015 χ^2/NDF: 9039125.2/114

- sign 177.833+/-0.021 χ^2/NDF: 4578733.8/58

asym_cav4bQ_mean vs Slug



Right In: -1.349+/-2.171 χ^2/NDF: 57.8/30

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.418+/-2.022 χ^2/NDF: 37.5/35

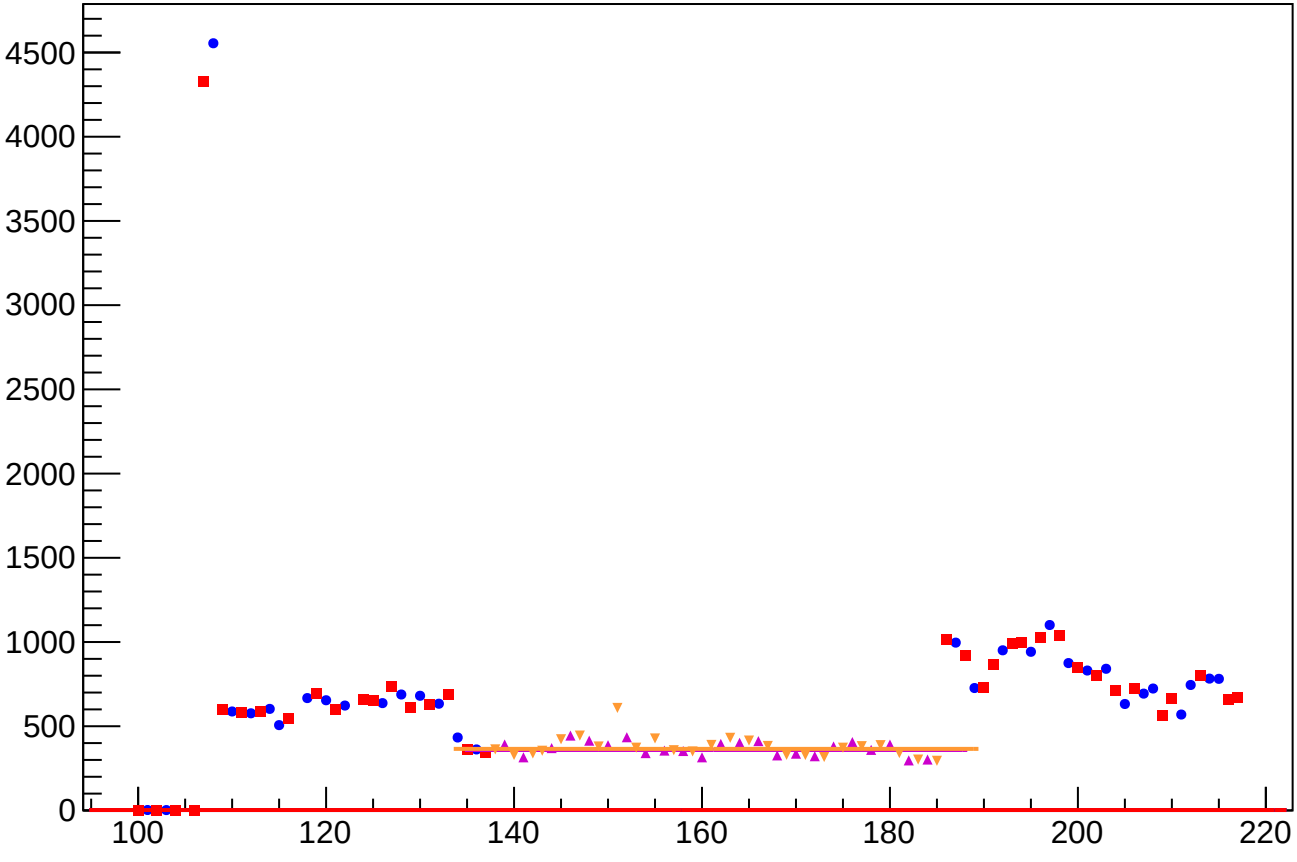
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.426+/-2.170 χ^2/NDF: 106.1/55

All: -1.460+/-1.479 χ^2/NDF: 167.5/114

- sign -1.490+/-2.022 χ^2/NDF: 61.4/58

asym_cav4bQ_rms vs Slug



Right In: 2.548+/-0.002 χ^2/NDF: 35246869.6/30

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.529+/-0.001 χ^2/NDF: 37507911.2/35

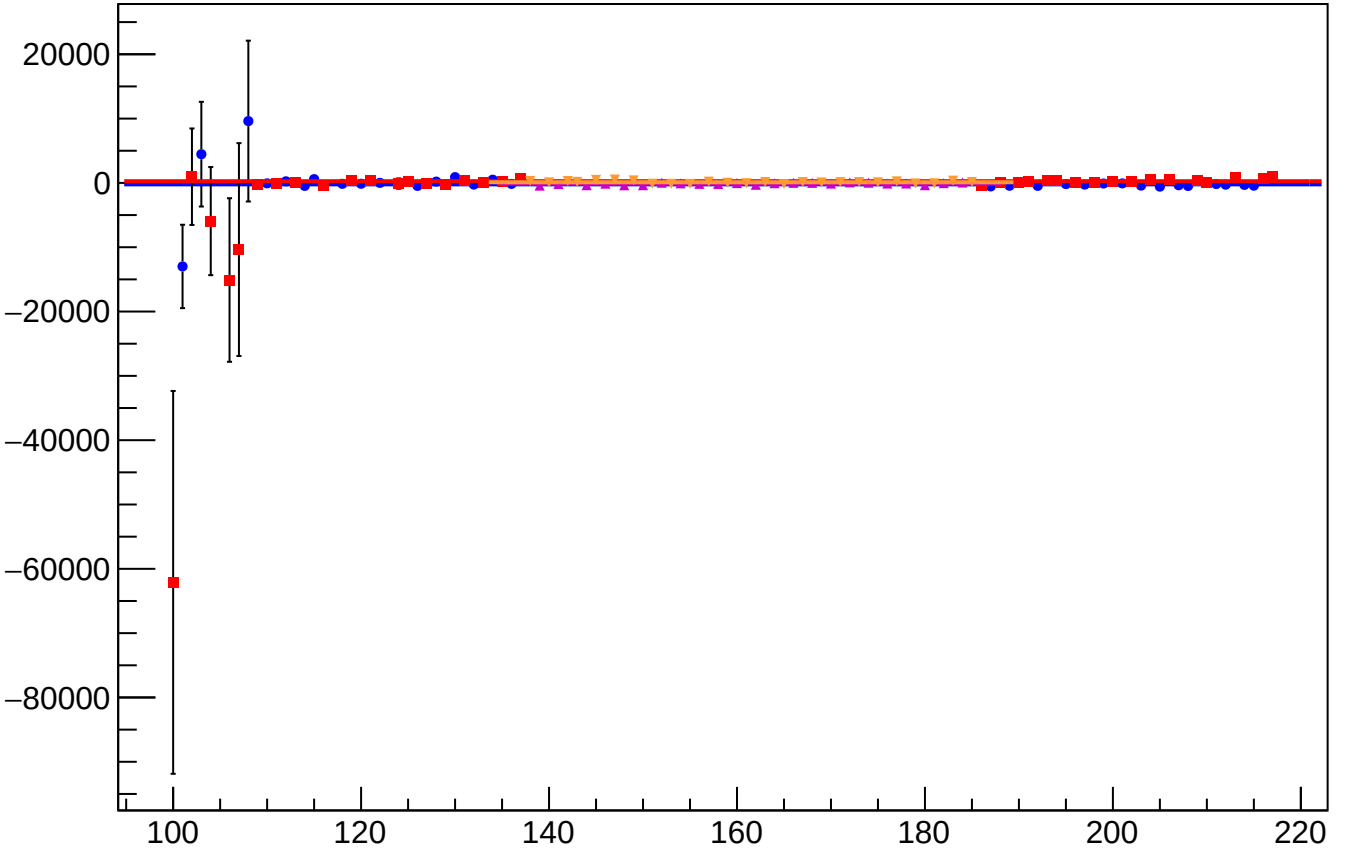
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.789+/-0.002 χ^2/NDF: 73067248.2/55

All: 2.758+/-0.001 χ^2/NDF: 146120815.1/114

- sign 2.731+/-0.001 χ^2/NDF: 73052795.1/58

asym_cav4cQ_mean vs Slug



Right In: -224.567+/-44.619 χ^2/NDF: 34.5/30

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 267.094+/-43.982 χ^2/NDF: 48.5/35

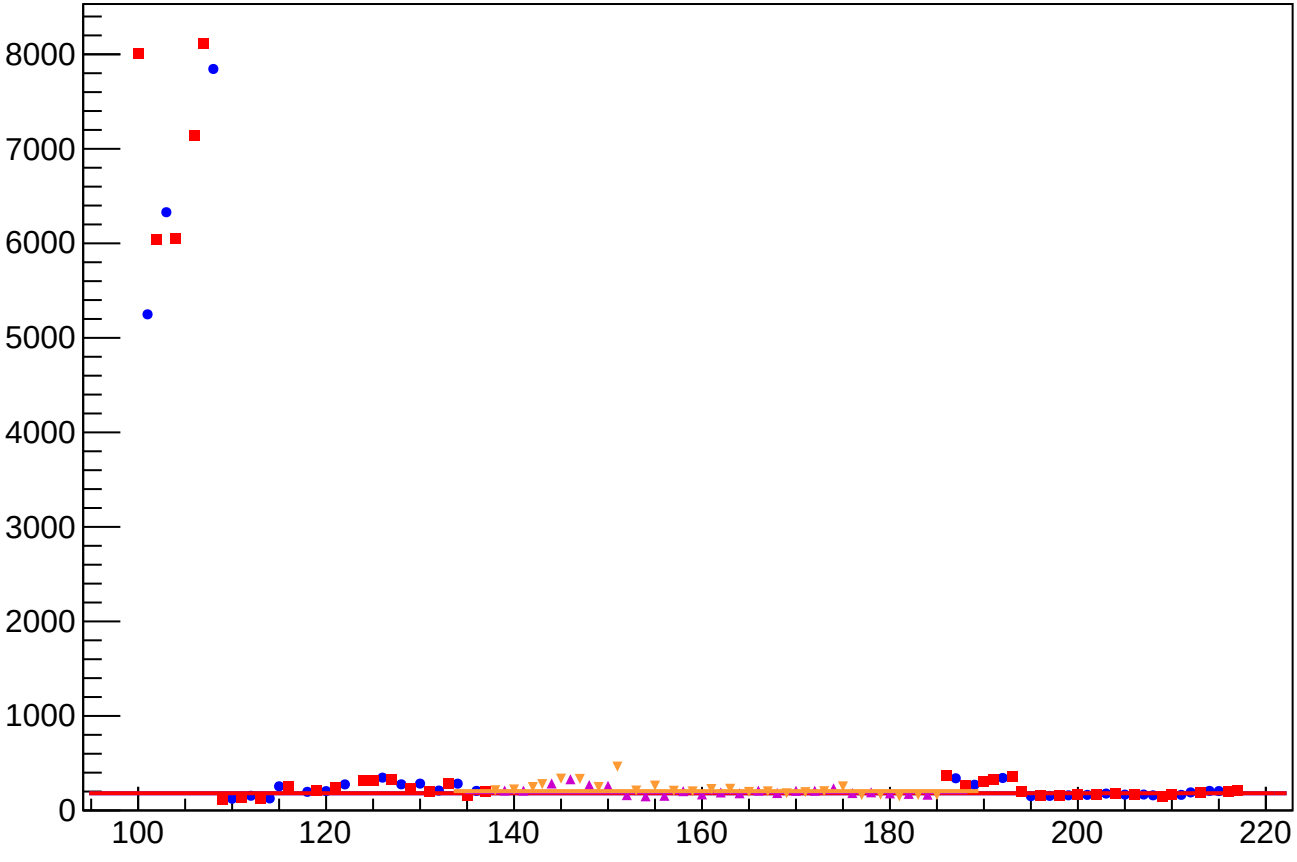
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -75.137+/-32.759 χ^2/NDF: 71.6/55

All: 7.323+/-22.928 χ^2/NDF: 177.8/114

- sign 86.502+/-32.100 χ^2/NDF: 93.9/58

asym_cav4cQ_rms vs Slug



Right In: 181.787+/-0.032 χ^2/NDF: 4950620.2/30

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.230+/-0.031 χ^2/NDF: 5655099.0/35

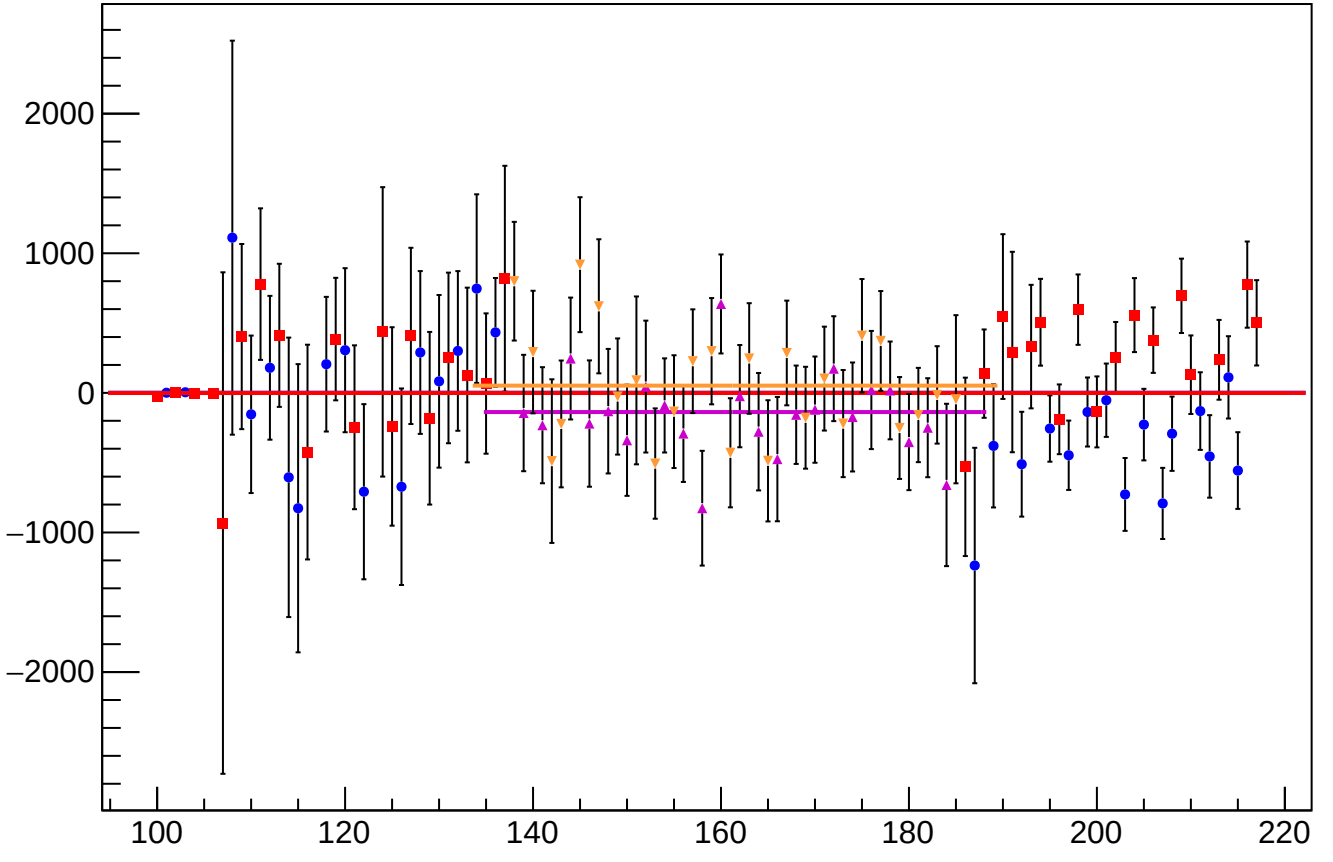
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 192.294+/-0.023 χ^2/NDF: 7166329.7/55

All: 189.941+/-0.016 χ^2/NDF: 14099003.9/11

- sign 187.681+/-0.023 χ^2/NDF: 6912440.4/58

asym_cav4dQ_mean vs Slug



Right In: 1.274+/-1.660 χ^2/NDF: 43.8/30

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.953+/-1.527 χ^2/NDF: 45.6/35

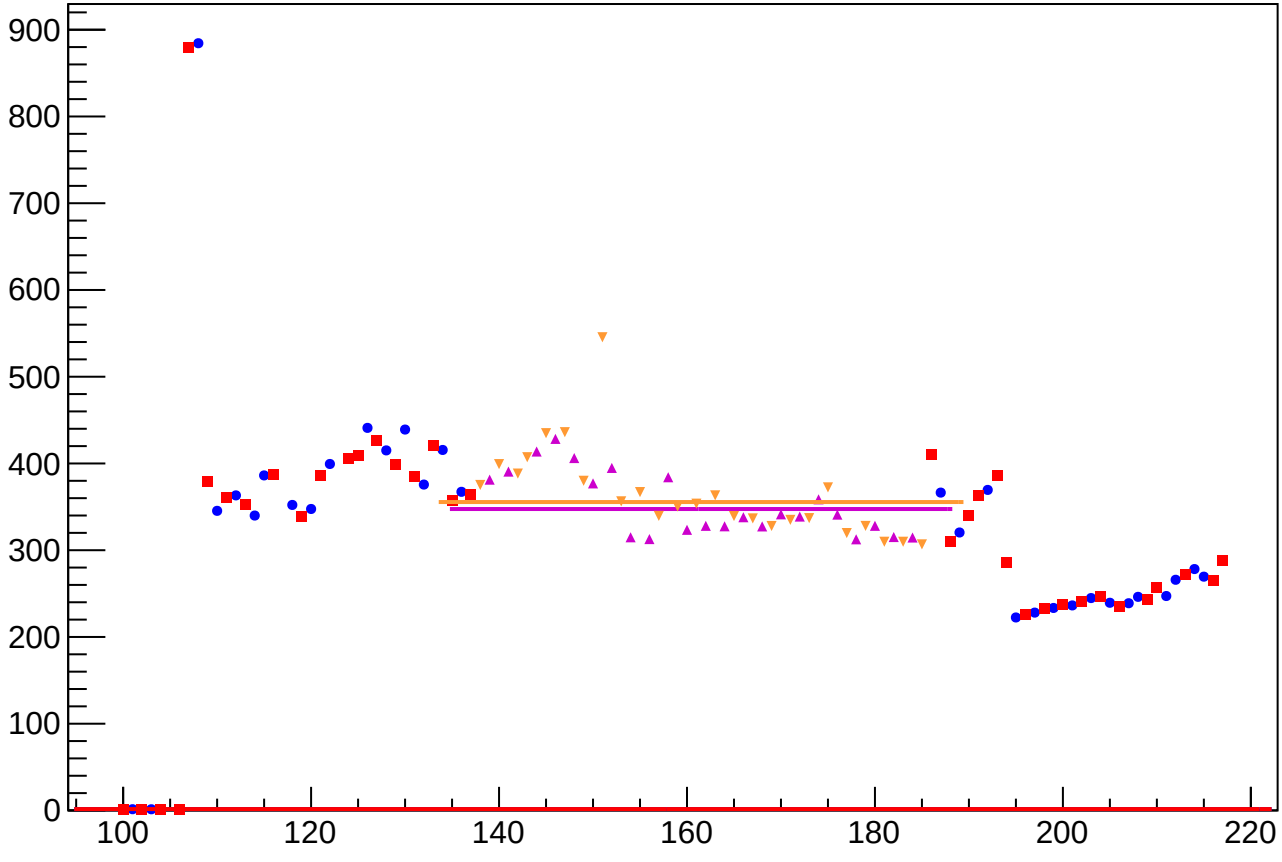
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.295+/-1.660 χ^2/NDF: 63.6/55

All: 0.052+/-1.124 χ^2/NDF: 125.2/114

- sign -1.000+/-1.527 χ^2/NDF: 60.5/58

asym_cav4dQ_rms vs Slug



Right In: 1.599+/-0.001 χ^2/NDF: 35544640.1/30

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.581+/-0.001 χ^2/NDF: 37154349.2/35

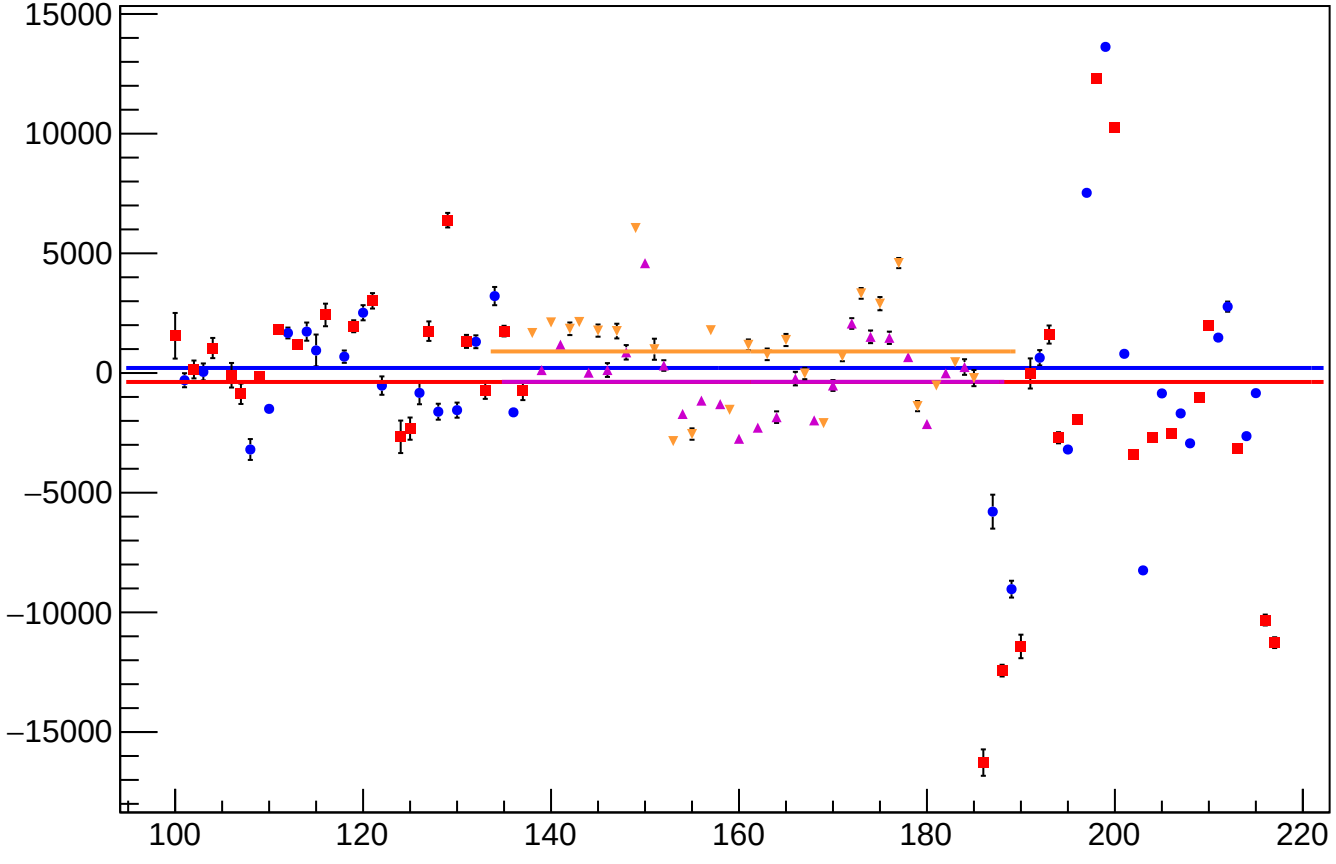
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.746+/-0.001 χ^2/NDF: 73726466.6/55

All: 1.721+/-0.001 χ^2/NDF: 146706376.4/114

- sign 1.701+/-0.001 χ^2/NDF: 72979112.8/58

asym_bcm0l02_mean vs Slug



Right In: 210.793+/-42.720 χ^2/NDF: 12241.9/30

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -373.899+/-41.650 χ^2/NDF: 18764.4/35

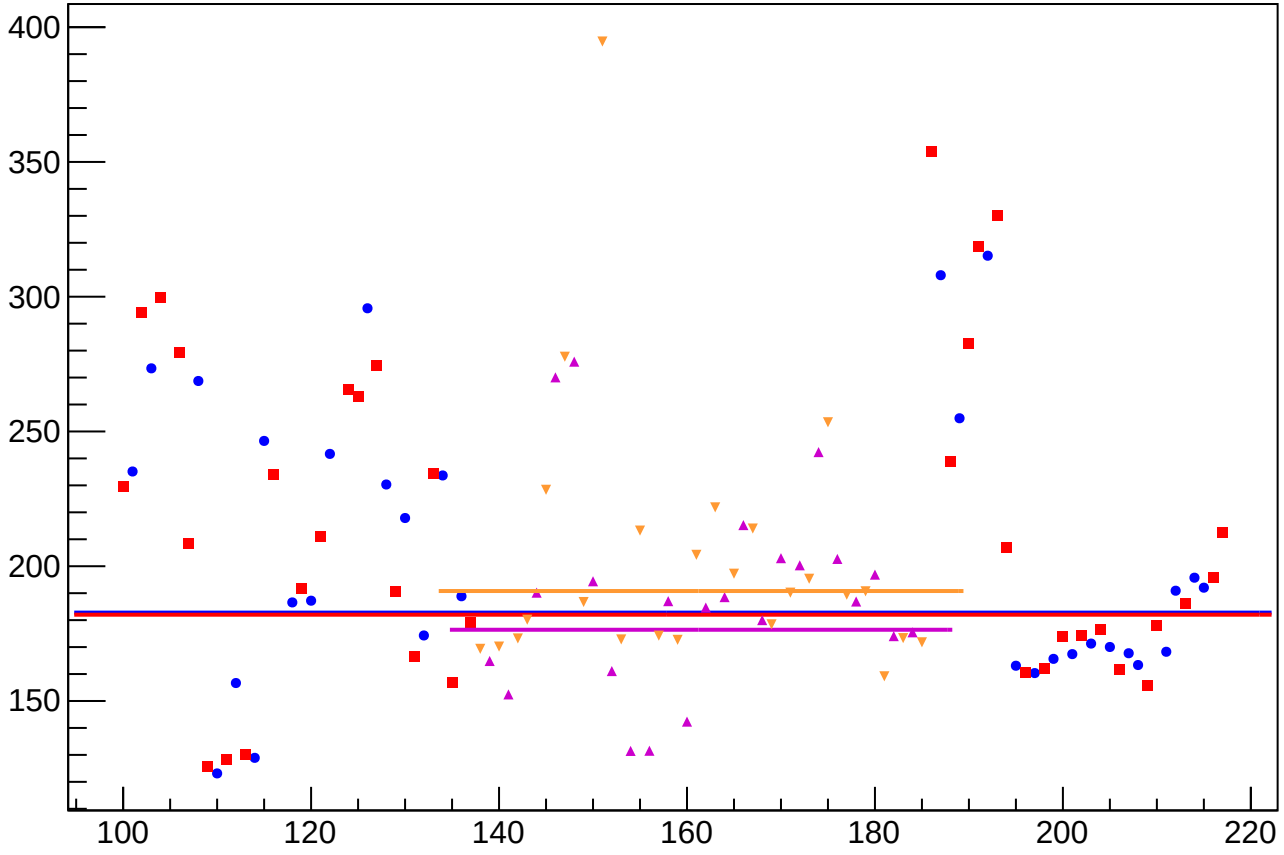
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 542.191+/-30.811 χ^2/NDF: 14778.3/55

All: 70.521+/-21.426 χ^2/NDF: 35589.5/114

- sign -371.146+/-29.815 χ^2/NDF: 20357.4/58

asym_bcm0l02_rms vs Slug



Right In: 182.791+/-0.030 χ^2/NDF: 1456481.3/30

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.020+/-0.029 χ^2/NDF: 2233911.5/35

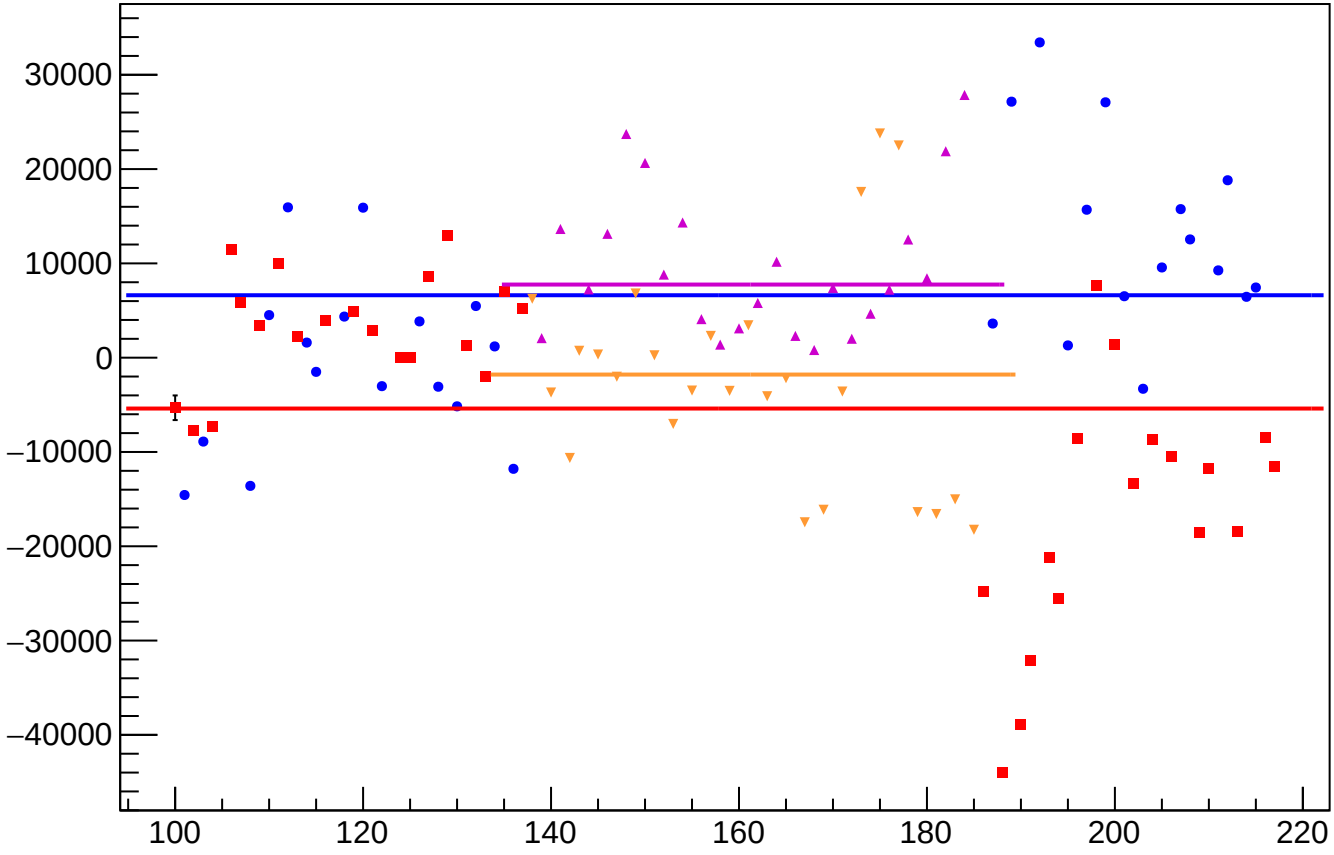
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 186.634+/-0.022 χ^2/NDF: 2509817.1/55

All: 182.844+/-0.015 χ^2/NDF: 6077546.0/114

- sign 179.295+/-0.021 χ^2/NDF: 3509130.4/58

asym_bpm0i02WS_mean vs Slug



Right In: 6622.063+/-38.494 χ^2/NDF: 96708.1/30

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5393.881+/-36.880 χ^2/NDF: 147782.5/35

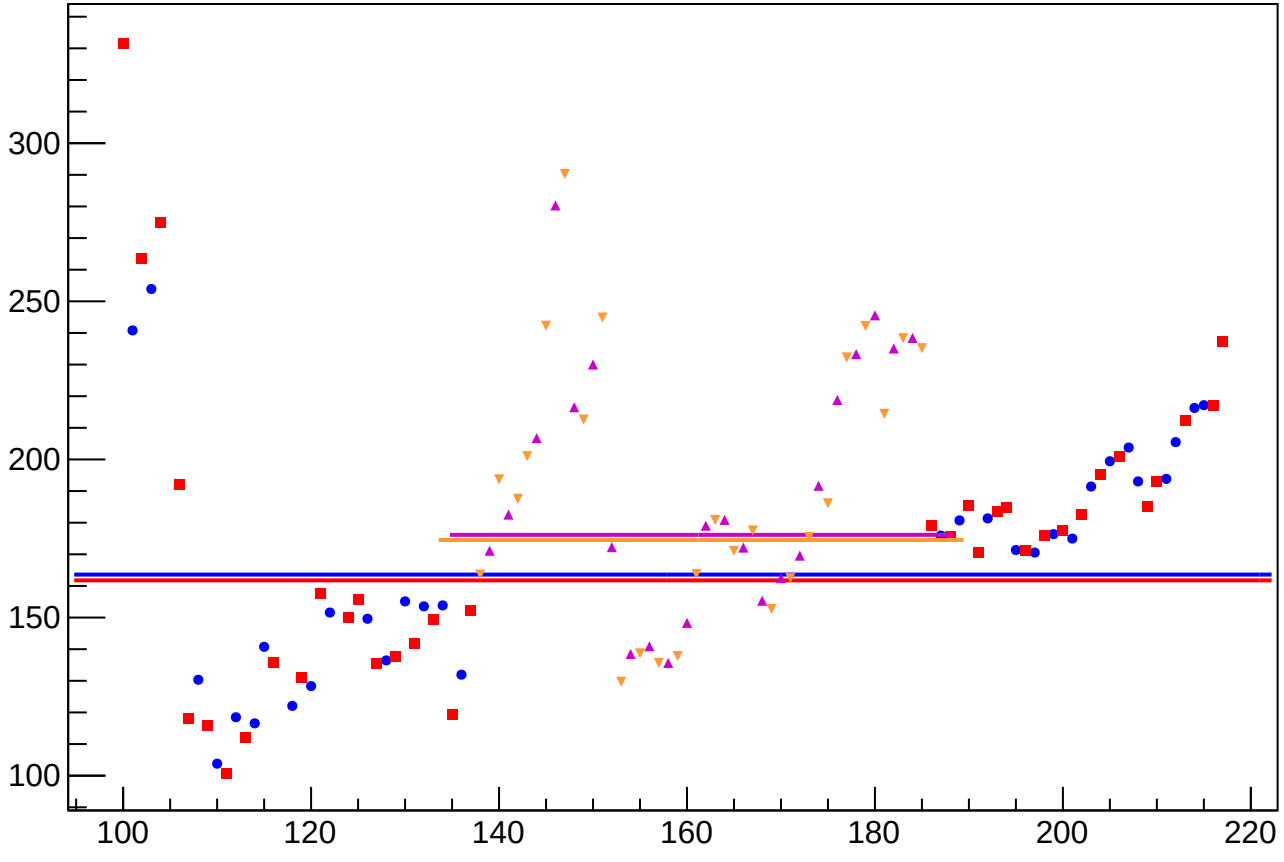
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2671.646+/-28.034 χ^2/NDF: 184881.6/55

All: 1450.571+/-19.767 χ^2/NDF: 414208.4/11

- sign 243.359+/-27.875 χ^2/NDF: 225554.1/58

asym_bpm0i02WS_rms vs Slug



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

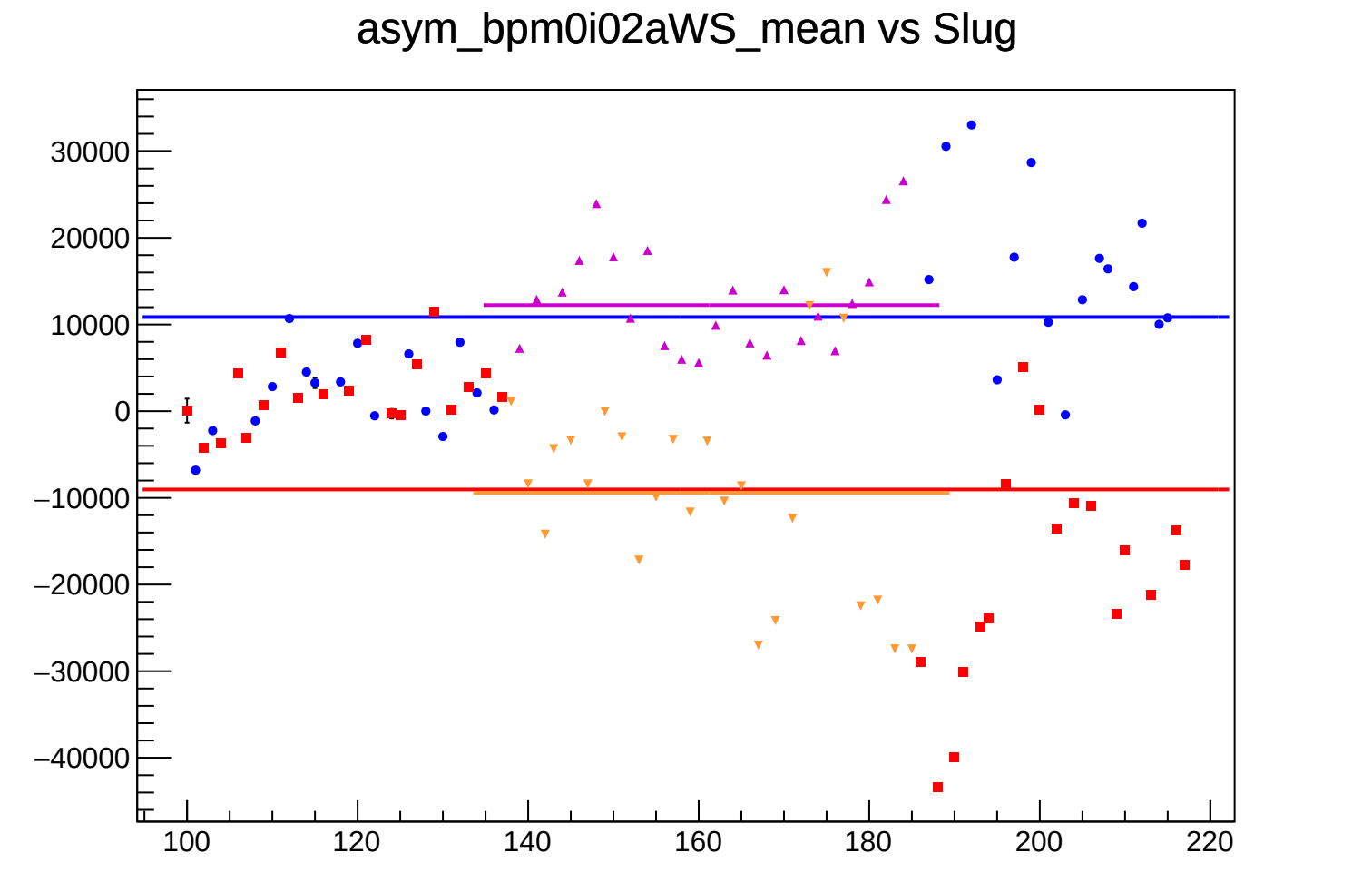
Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

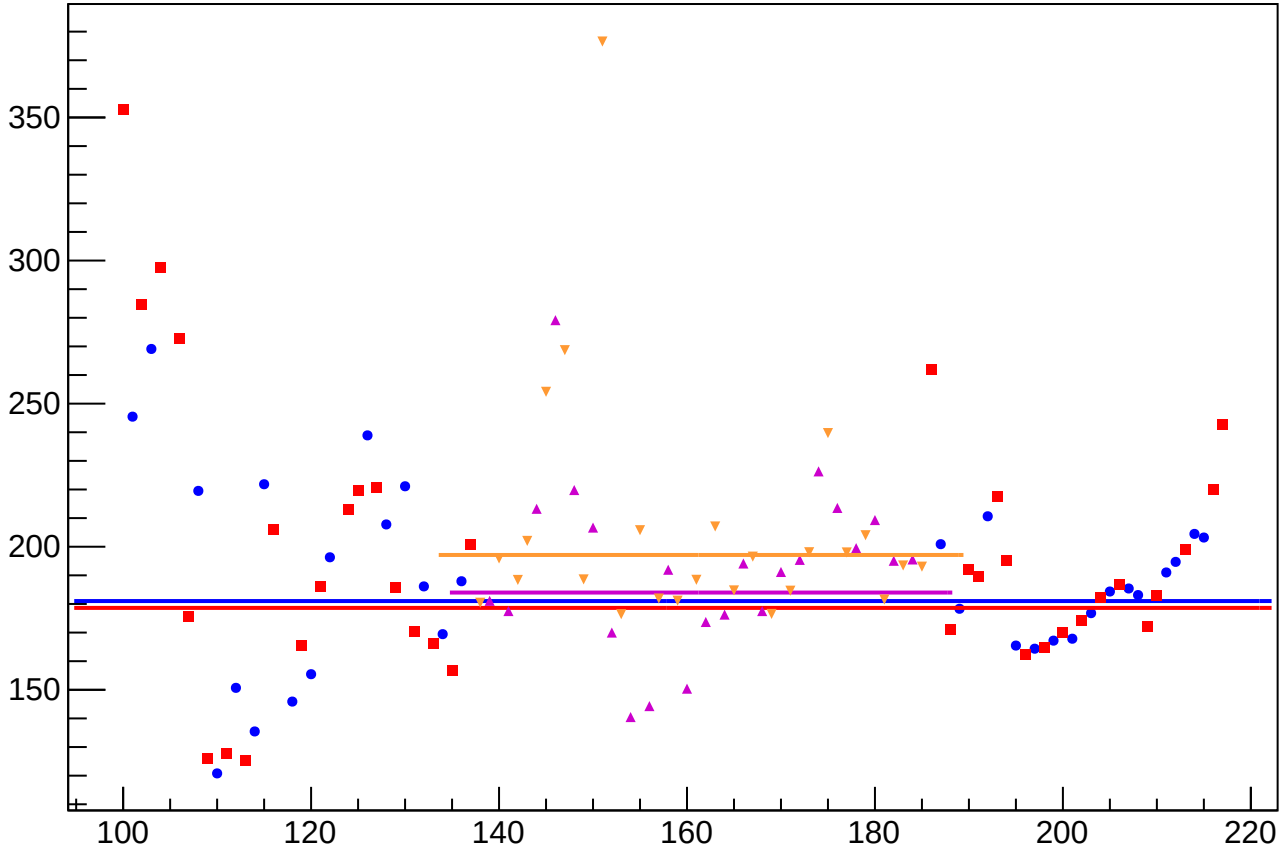
+ sign 168.724+/-0.020 χ^2/NDF: 3395760.4/55

All: 168.326+/-0.014 χ^2/NDF: 7011808.7/114

- sign 167.932+/-0.020 χ^2/NDF: 3615245.1/58


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10858.808+/-41.986 χ²/NDF: 56817.9/30
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9028.540+/-40.318 χ²/NDF: 119882.2/35
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 1576.266+/-30.918 χ²/NDF: 228320.9/55
All: 1086.274+/-21.451 χ²/NDF: 491086.6/11
- sign 631.505+/-29.786 χ²/NDF: 262281.4/58

asym_bpm0i02aWS_rms vs Slug



Right In: 181.014+/-0.030 χ^2/NDF: 835574.4/30

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

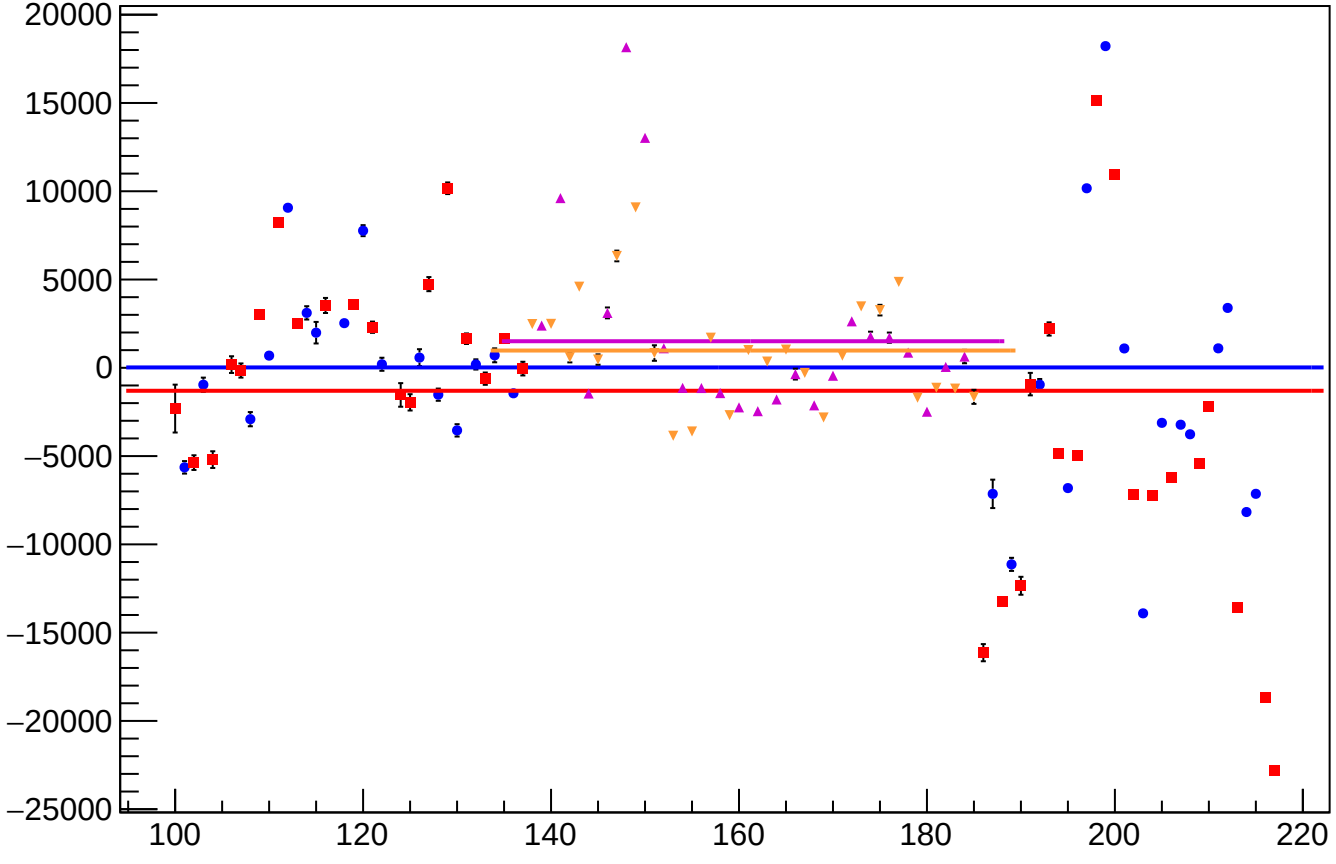
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.387+/-0.022 χ^2/NDF: 1702860.3/55

All: 184.586+/-0.015 χ^2/NDF: 4026322.9/114

- sign 181.059+/-0.021 χ^2/NDF: 2265178.6/58

asym_bpm0i05WS_mean vs Slug



Right In: 21.514+/-47.127 χ^2/NDF: 23873.1/30

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1300.827+/-45.310 χ^2/NDF: 35397.5/35

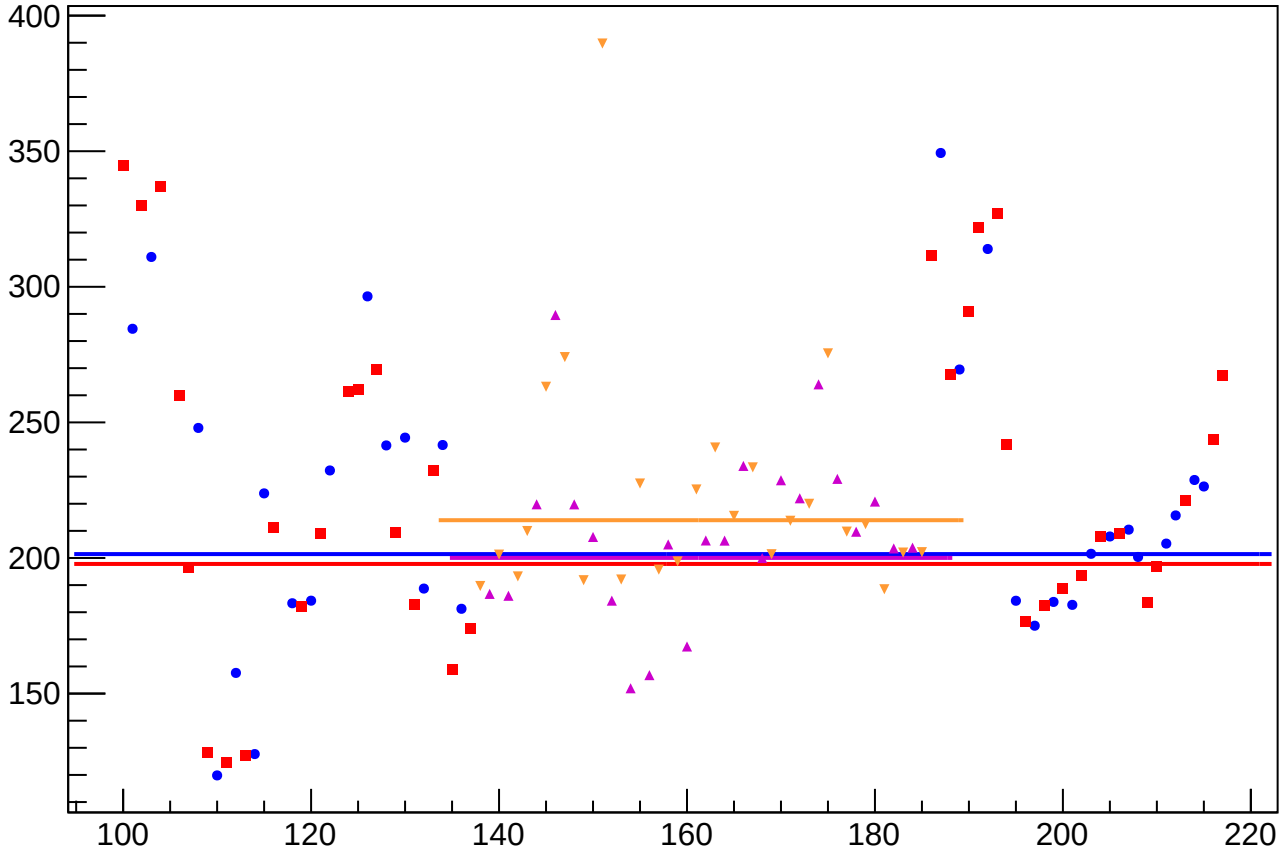
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 475.454+/-34.167 χ^2/NDF: 28391.6/55

All: 239.491+/-23.723 χ^2/NDF: 77166.7/114

- sign 19.831+/-32.965 χ^2/NDF: 48683.1/58

asym_bpm0i05WS_rms vs Slug



Right In: 201.436+/-0.033 χ^2/NDF: 1516221.0/30

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

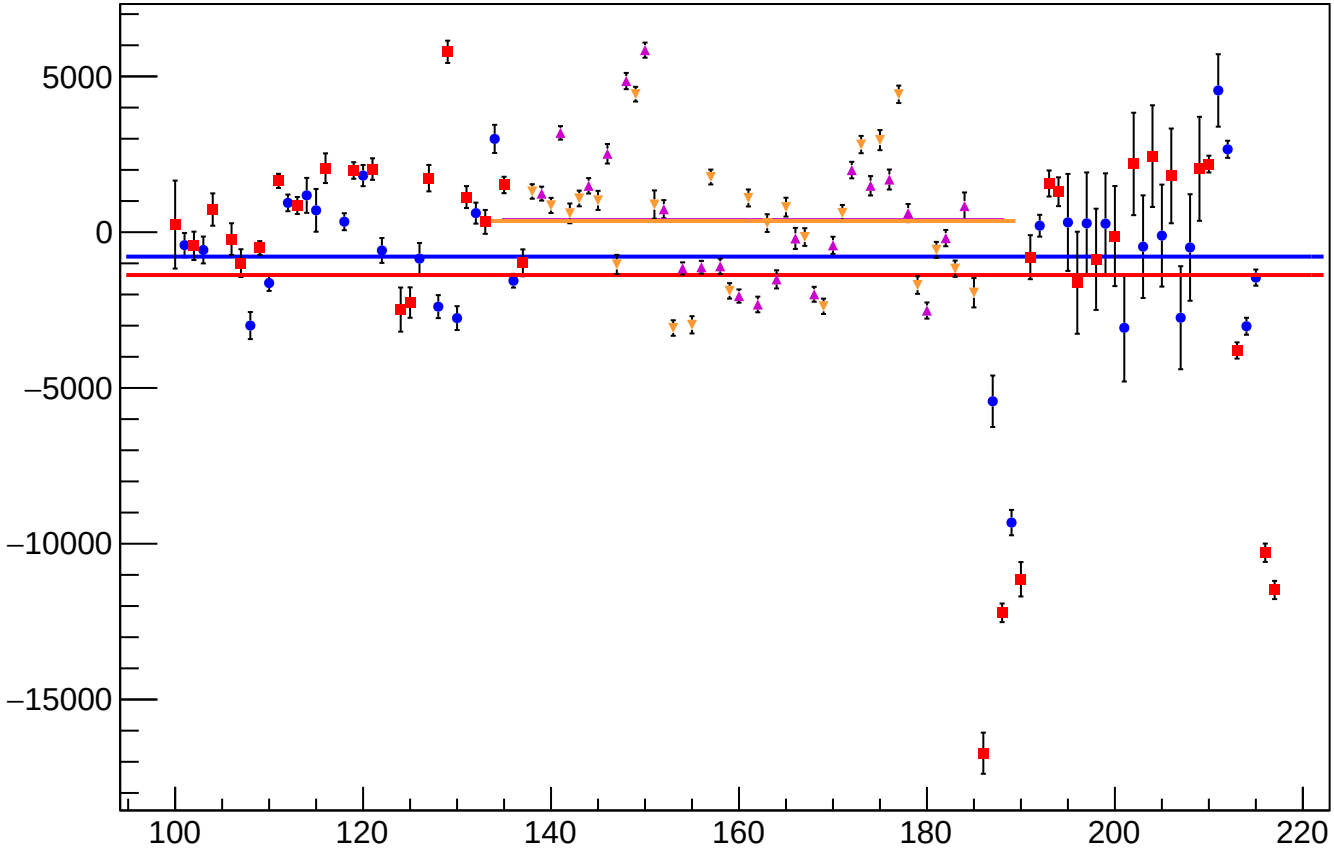
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.363+/-0.024 χ^2/NDF: 2316561.2/55

All: 202.954+/-0.017 χ^2/NDF: 5637739.9/114

- sign 198.850+/-0.023 χ^2/NDF: 3256875.7/58

asym_bpm0i07WS_mean vs Slug



Right In: -783.966+/-71.793 χ^2/NDF: 1054.0/30

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1374.849+/-65.072 χ^2/NDF: 5891.5/35

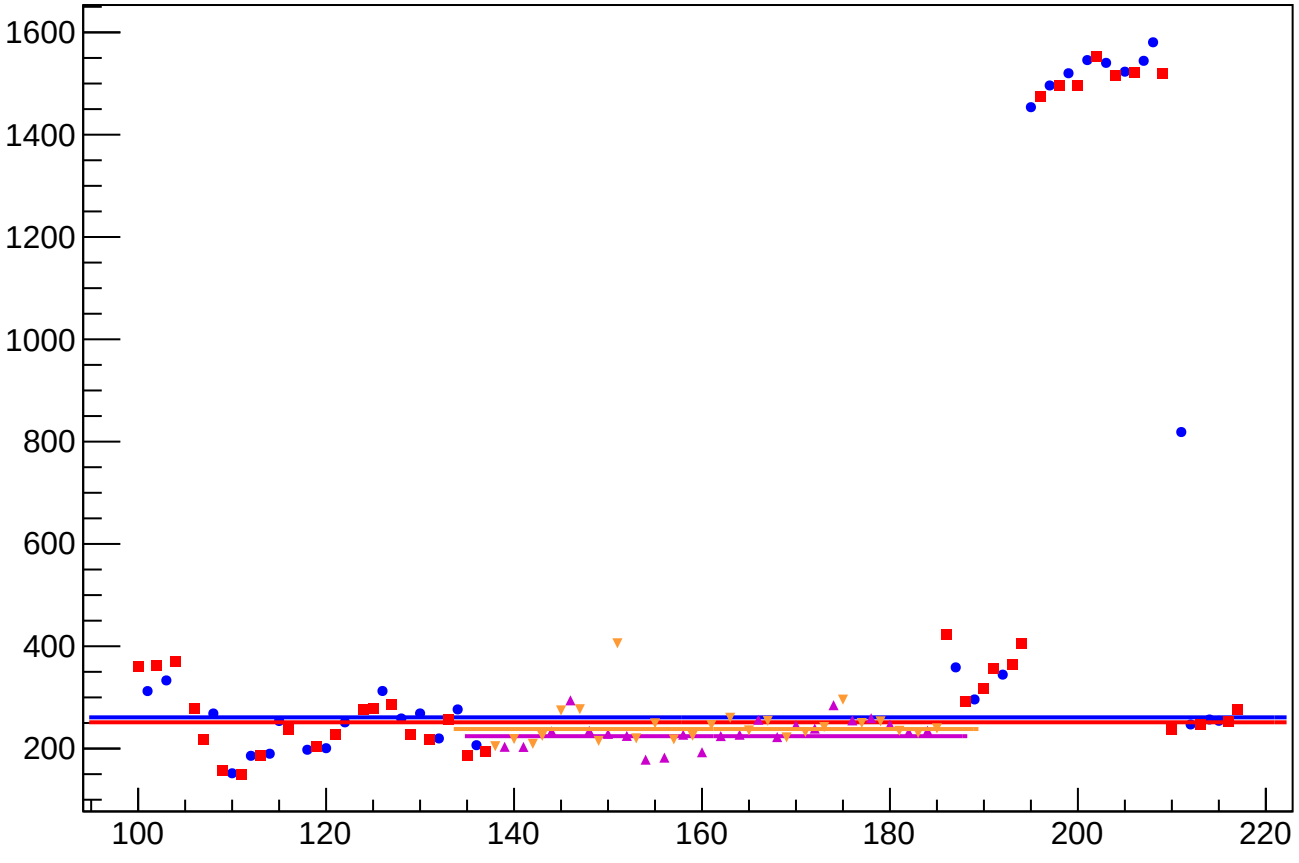
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -63.836+/-43.656 χ^2/NDF: 2632.5/55

All: -201.052+/-30.017 χ^2/NDF: 10784.1/114

- sign -324.087+/-41.339 χ^2/NDF: 8132.8/58

asym_bpm0i07WS_rms vs Slug



Right In: 261.040+/-0.051 χ^2/NDF: 11061109.2/30

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

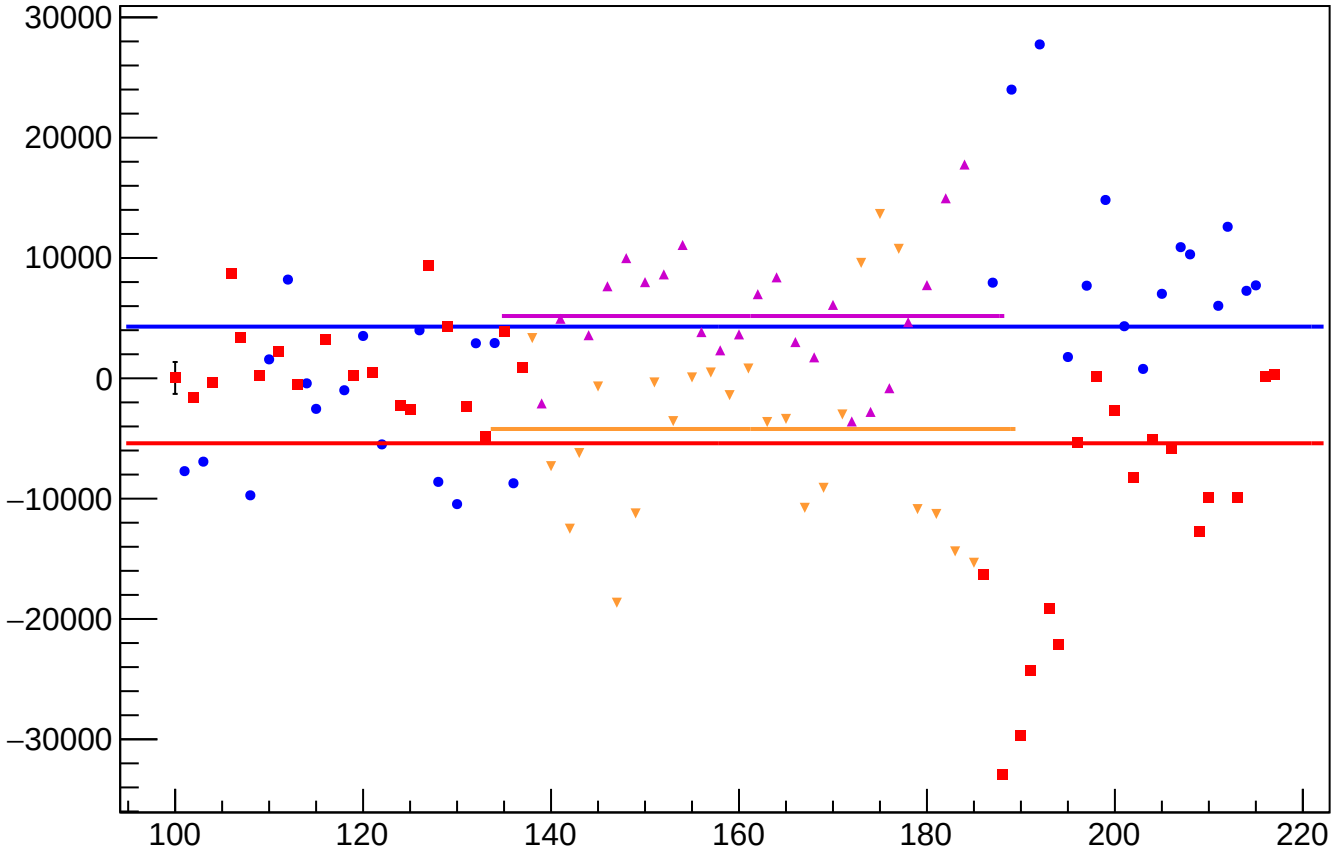
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.645+/-0.031 χ^2/NDF: 11756626.6/55

All: 240.595+/-0.021 χ^2/NDF: 23145985.1/11

- sign 235.171+/-0.029 χ^2/NDF: 11316511.2/58

asym_bpm1i02WS_mean vs Slug



Right In: 4296.754+/-32.692 χ^2/NDF: 82067.2/30

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5397.716+/-31.158 χ^2/NDF: 107251.7/35

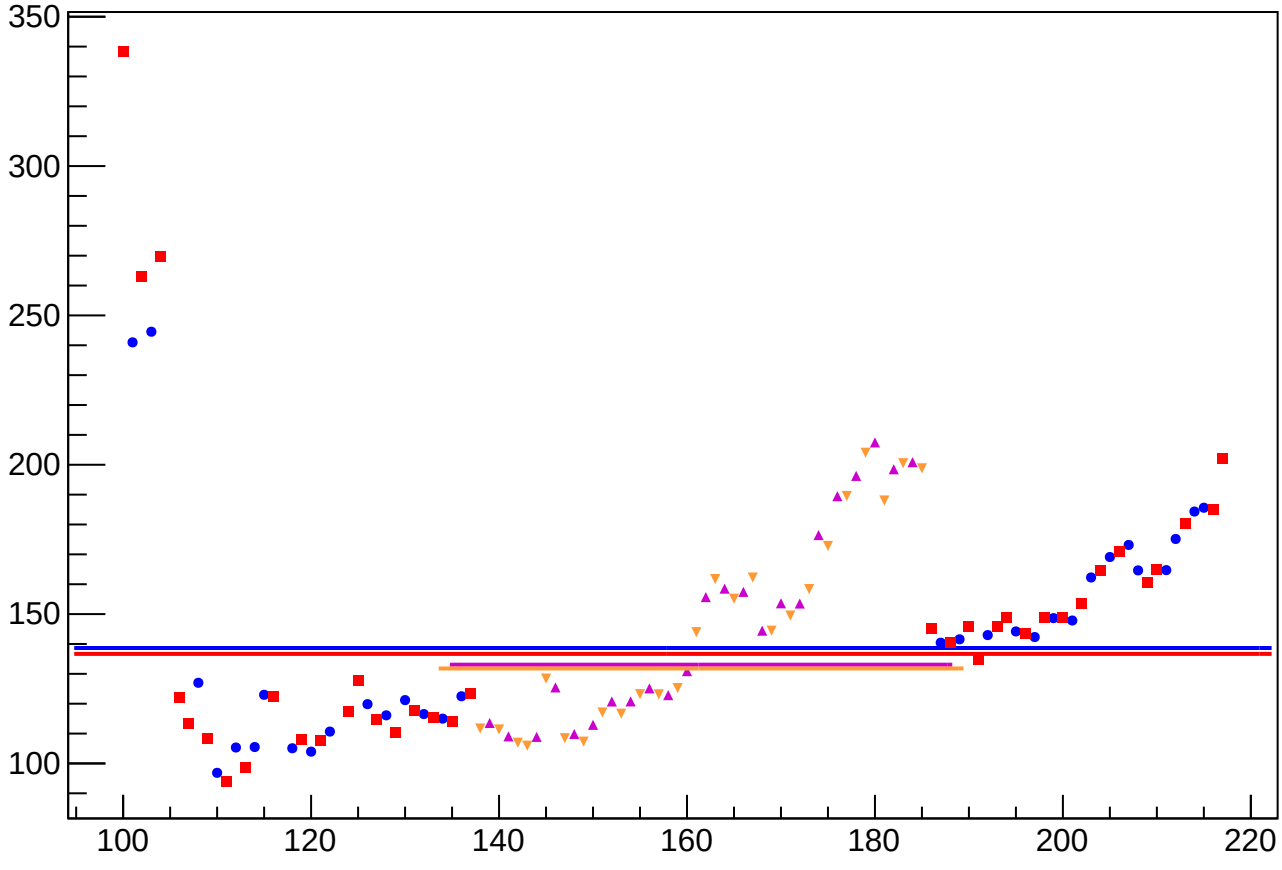
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

\+ sign -206.338+/-22.429 χ^2/NDF: 174714.1/55

All: -226.138+/-15.819 χ^2/NDF: 356635.0/11

\- sign -245.735+/-22.313 χ^2/NDF: 181919.4/58

asym_bpm1i02WS_rms vs Slug



Right In: 138.649+/-0.023 χ^2/NDF: 1670189.0/30

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

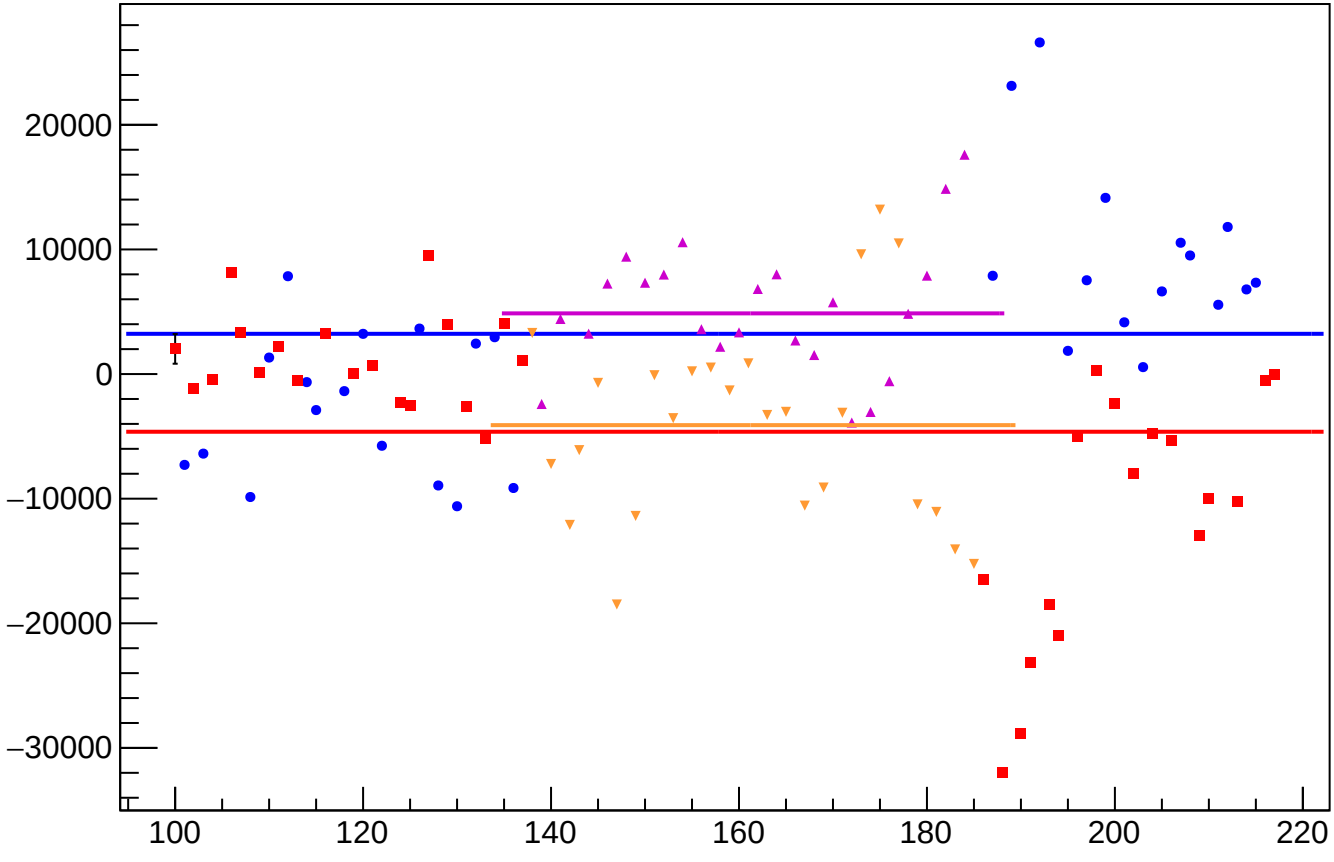
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 135.022+/-0.016 χ^2/NDF: 3261023.7/55

All: 134.969+/-0.011 χ^2/NDF: 6677913.8/114

- sign 134.917+/-0.016 χ^2/NDF: 3416867.9/58

asym_bpm2i01WS_mean vs Slug



Right In: 3229.487+/-30.079 χ^2/NDF: 90501.3/30

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4629.184+/-28.807 χ^2/NDF: 113979.0/35

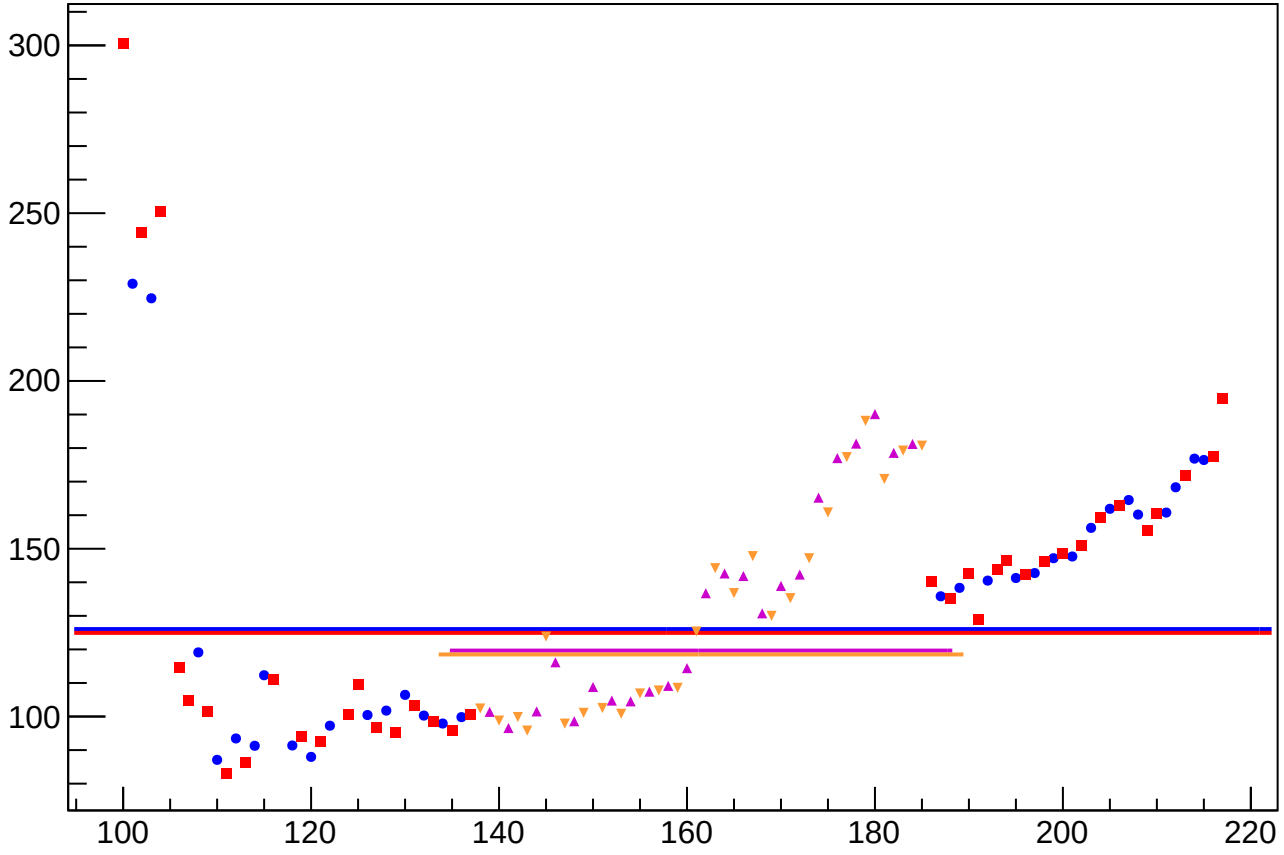
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -726.552+/-20.404 χ^2/NDF: 188816.4/55

All: -302.612+/-14.416 χ^2/NDF: 379933.8/11

- sign 119.901+/-20.370 χ^2/NDF: 190255.5/58

asym_bpm2i01WS_rms vs Slug



Right In: 126.059+/-0.021 χ^2/NDF: 2431631.2/30

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 124.936+/-0.020 χ^2/NDF: 2748429.1/35

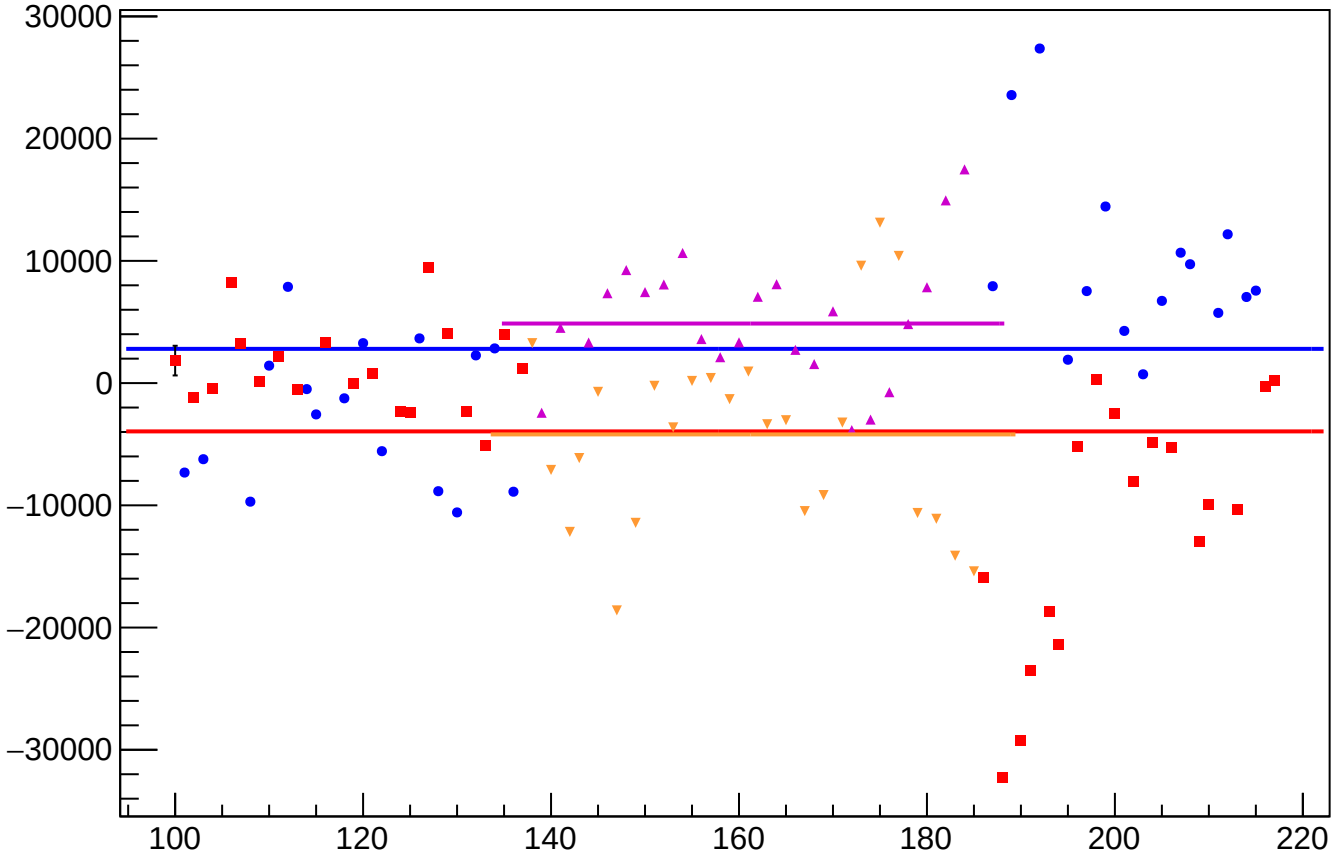
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 121.980+/-0.014 χ^2/NDF: 4126930.9/55

All: 122.135+/-0.010 χ^2/NDF: 8421708.6/114

- sign 122.291+/-0.014 χ^2/NDF: 4294544.9/58

asym_bpm2i02WS_mean vs Slug



Right In: 2800.817+/-29.970 χ^2/NDF: 89832.8/30

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3951.505+/-28.690 χ^2/NDF: 107524.0/35

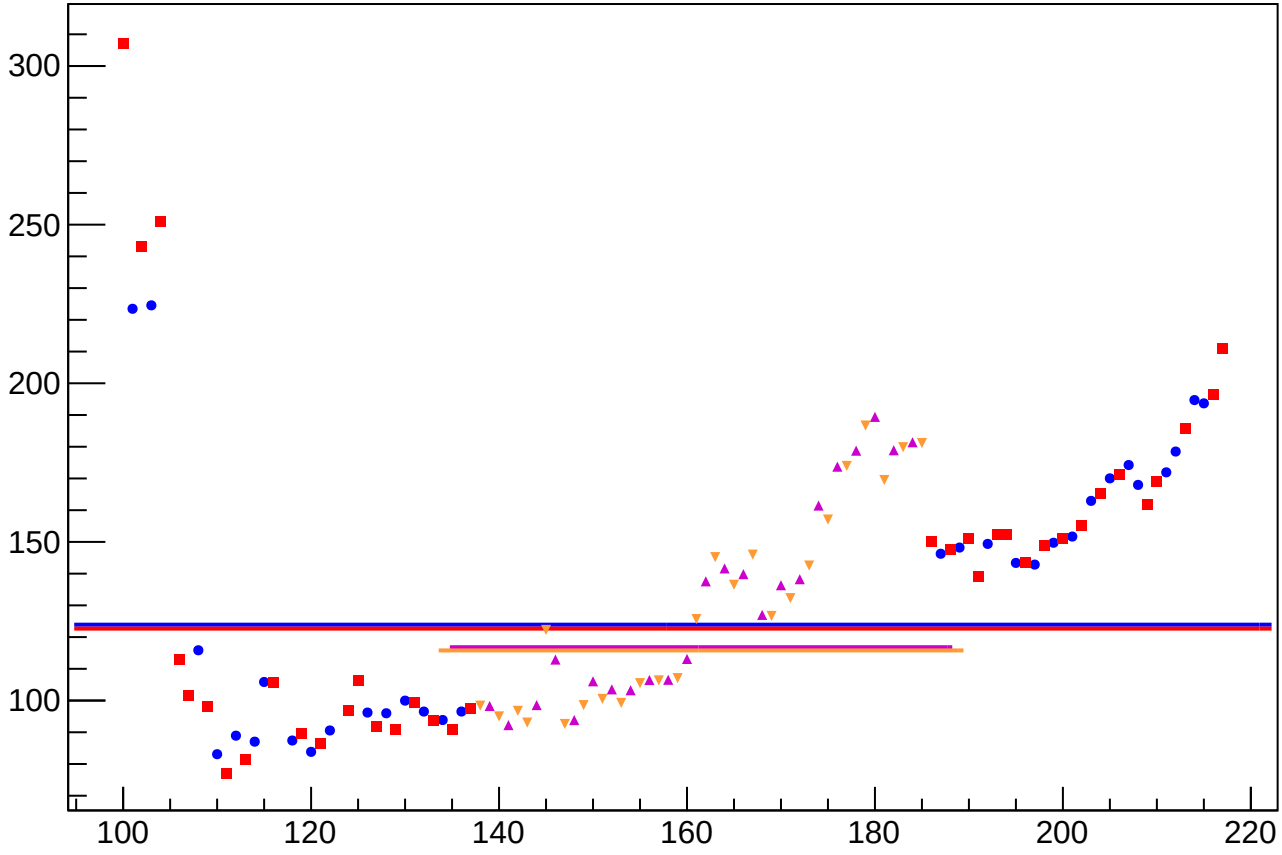
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1035.198+/-20.146 χ^2/NDF: 190136.4/55

All: -247.903+/-14.233 χ^2/NDF: 371752.9/11

- sign 536.702+/-20.111 χ^2/NDF: 178567.2/58

asym_bpm2i02WS_rms vs Slug



Right In: 123.912+/-0.021 χ^2/NDF: 3263802.9/30

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 122.673+/-0.020 χ^2/NDF: 3709434.6/35

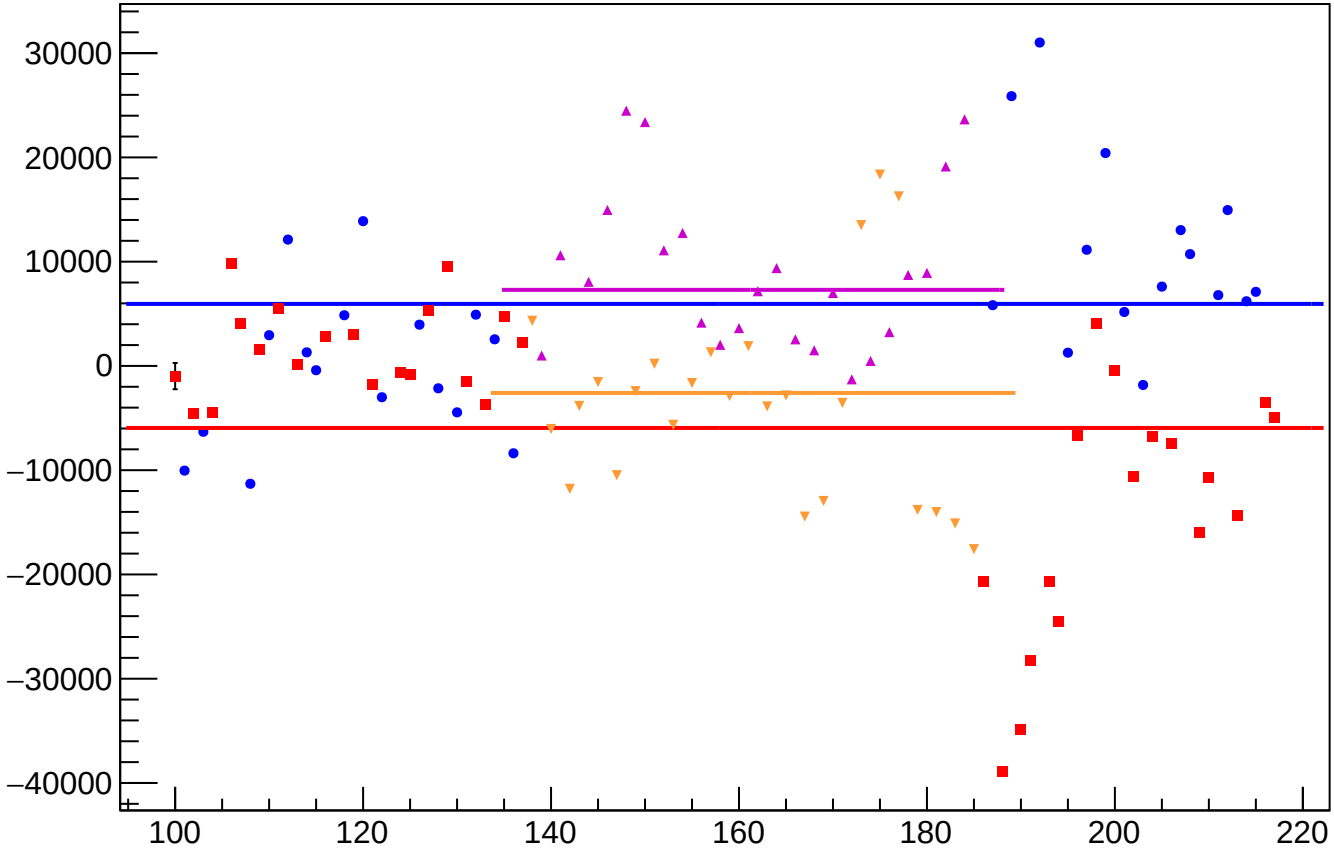
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 119.464+/-0.014 χ^2/NDF: 5093176.7/55

All: 119.577+/-0.010 χ^2/NDF: 10462885.6/11

- sign 119.690+/-0.014 χ^2/NDF: 5369582.8/58

asym_bpm0i01WS_mean vs Slug



Right In: 5948.674+/-39.182 χ^2/NDF: 65940.0/30

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5948.666+/-37.667 χ^2/NDF: 101582.4/35

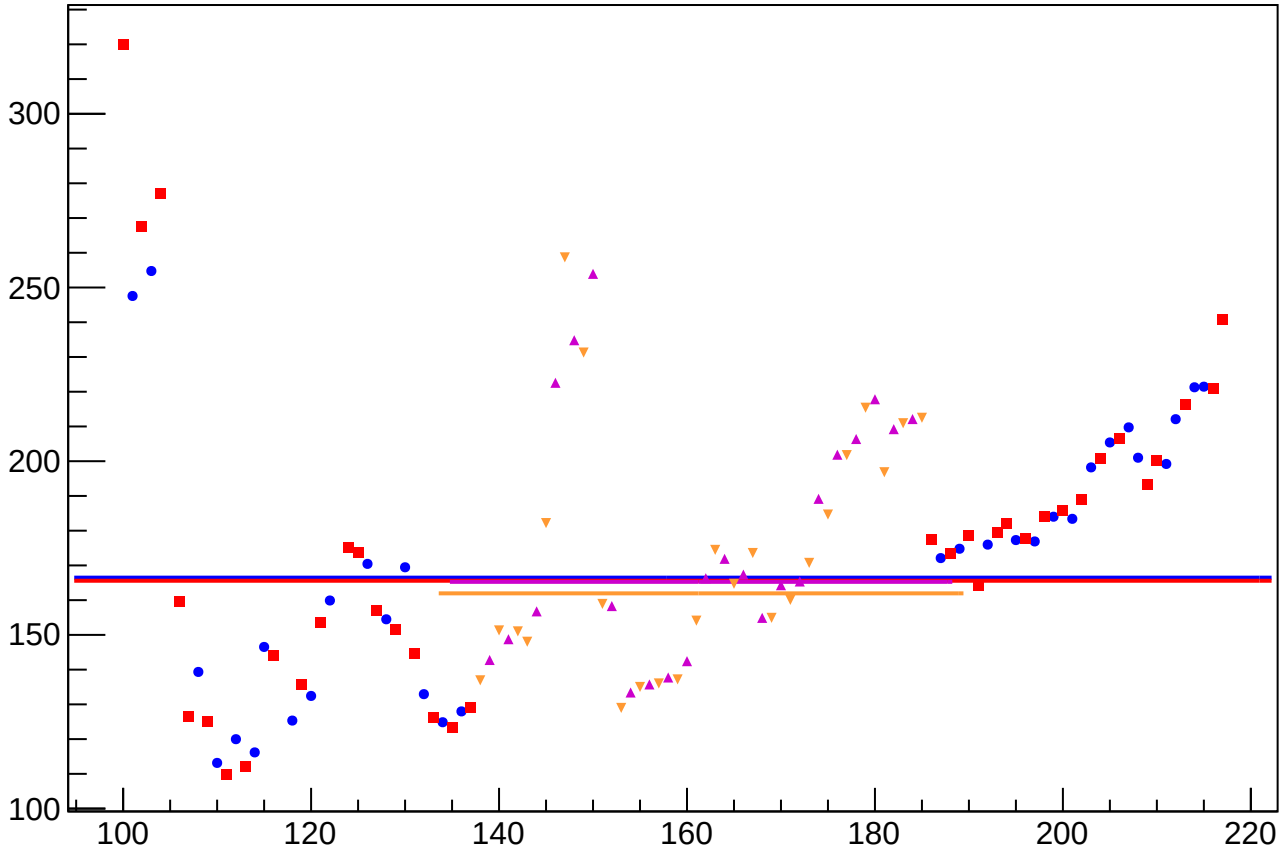
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1507.650+/-27.146 χ^2/NDF: 138638.7/55

All: 930.159+/-19.244 χ^2/NDF: 324642.5/114

- sign 346.739+/-27.285 χ^2/NDF: 185093.9/58

asym_bpm0i01WS_rms vs Slug



Right In: 166.479+/-0.028 χ^2/NDF: 1744180.4/30

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 165.589+/-0.027 χ^2/NDF: 1973597.6/35

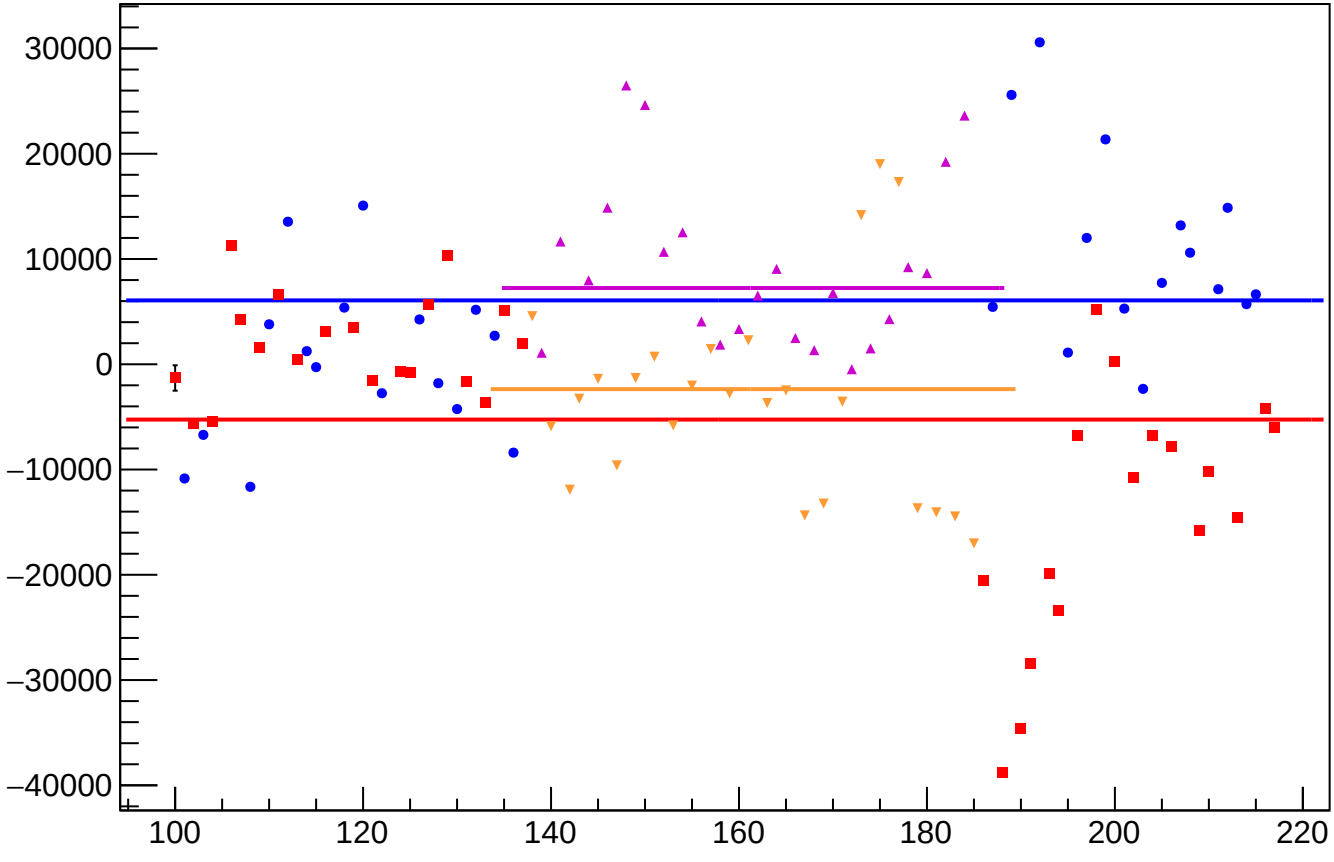
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 164.127+/-0.019 χ^2/NDF: 2902839.4/55

All: 164.780+/-0.014 χ^2/NDF: 6057916.5/114

- sign 165.439+/-0.019 χ^2/NDF: 3152755.4/58

asym_bpm0i01aWS_mean vs Slug



Right In: 6068.375+/-33.413 χ^2/NDF: 91712.5/30

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5254.047+/-31.963 χ^2/NDF: 141560.0/35

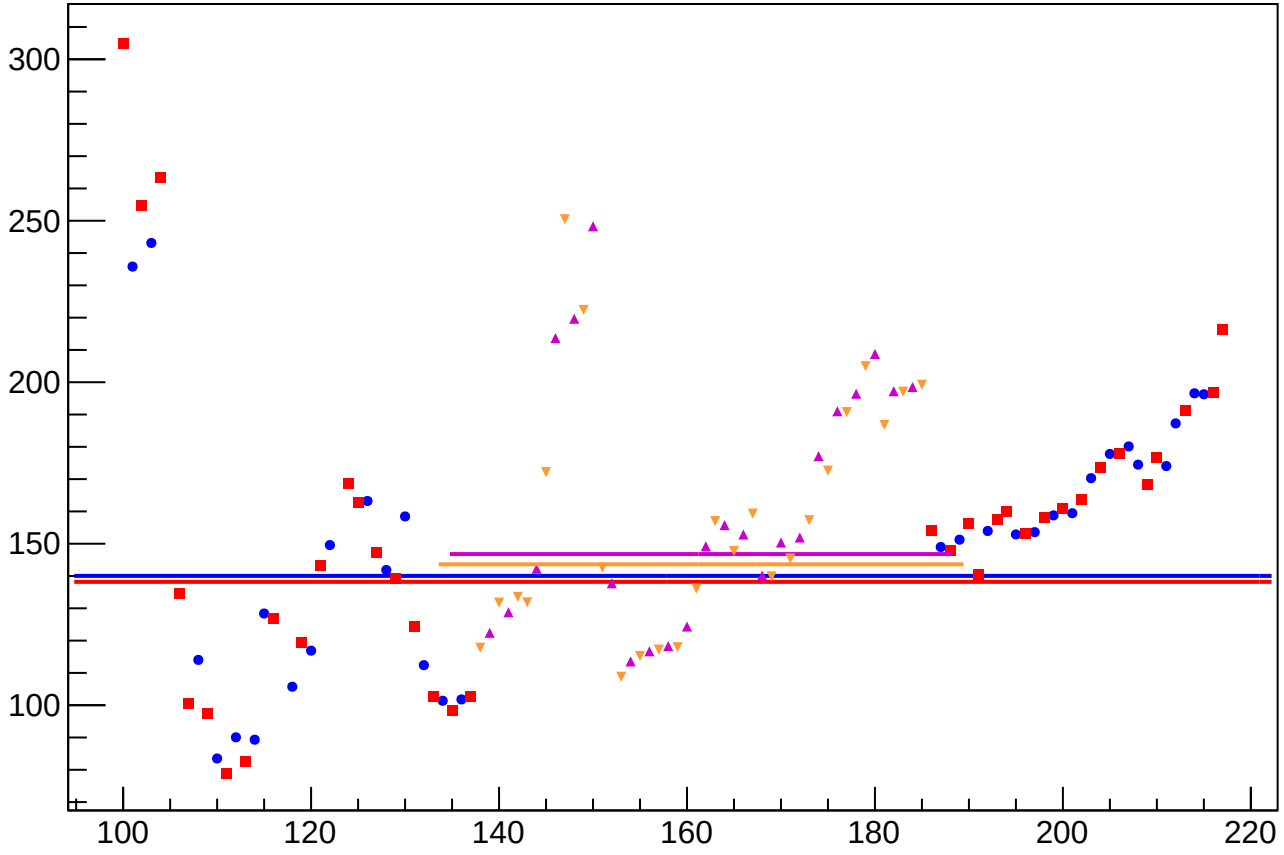
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1887.401+/-23.720 χ^2/NDF: 181846.0/55

All: 1115.128+/-16.785 χ^2/NDF: 424423.3/11

- sign 340.556+/-23.756 χ^2/NDF: 240454.2/58

asym_bpm0i01aWS_rms vs Slug



Right In: 140.039+/-0.024 χ^2/NDF: 2552621.3/30

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 138.192+/-0.023 χ^2/NDF: 3024581.1/35

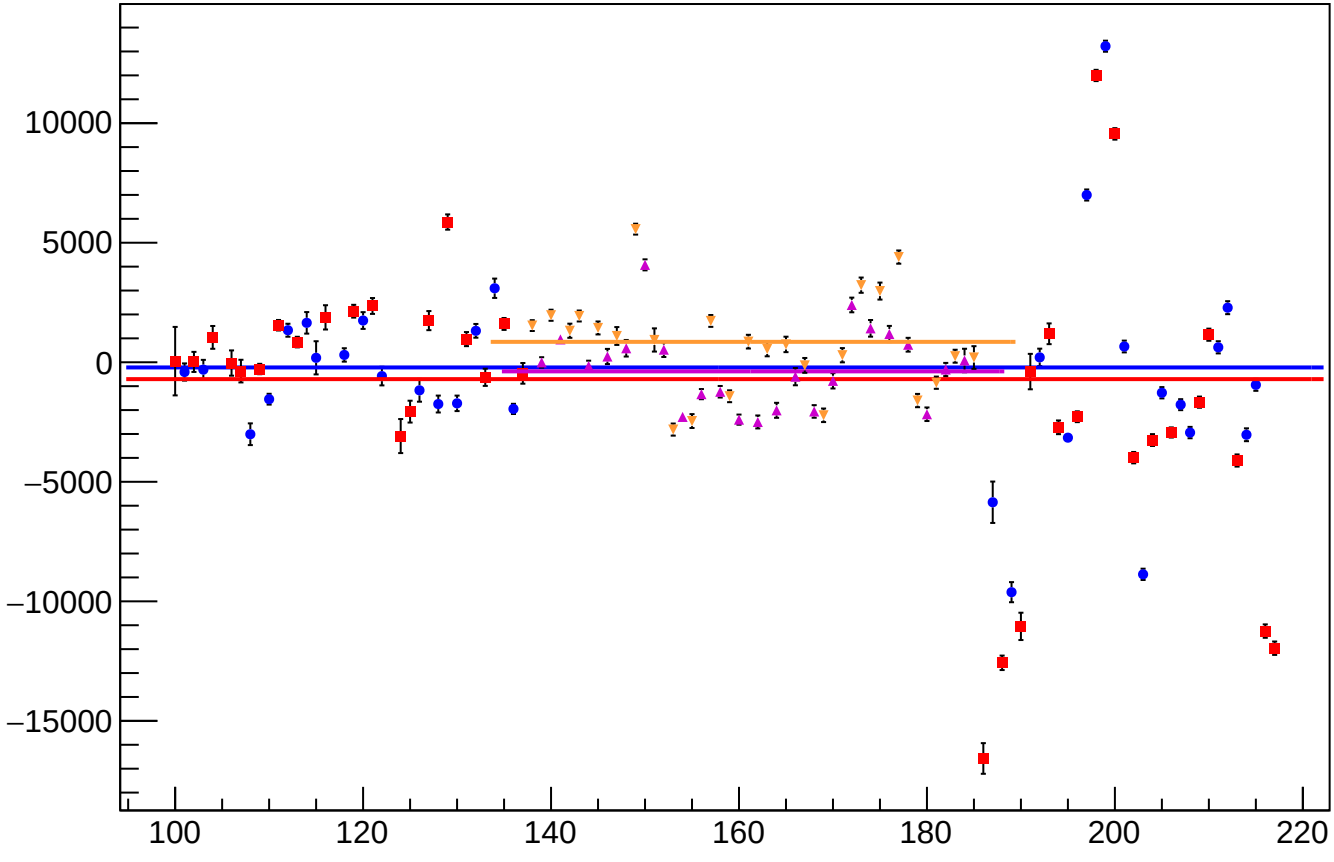
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 141.816+/-0.017 χ^2/NDF: 4226855.9/55

All: 141.929+/-0.012 χ^2/NDF: 9010886.3/114

- sign 142.042+/-0.017 χ^2/NDF: 4783940.1/58

asym_bpm0l01WS_mean vs Slug



Right In: -216.612+/-51.968 χ^2/NDF: 7213.1/30

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -705.391+/-50.464 χ^2/NDF: 11993.7/35

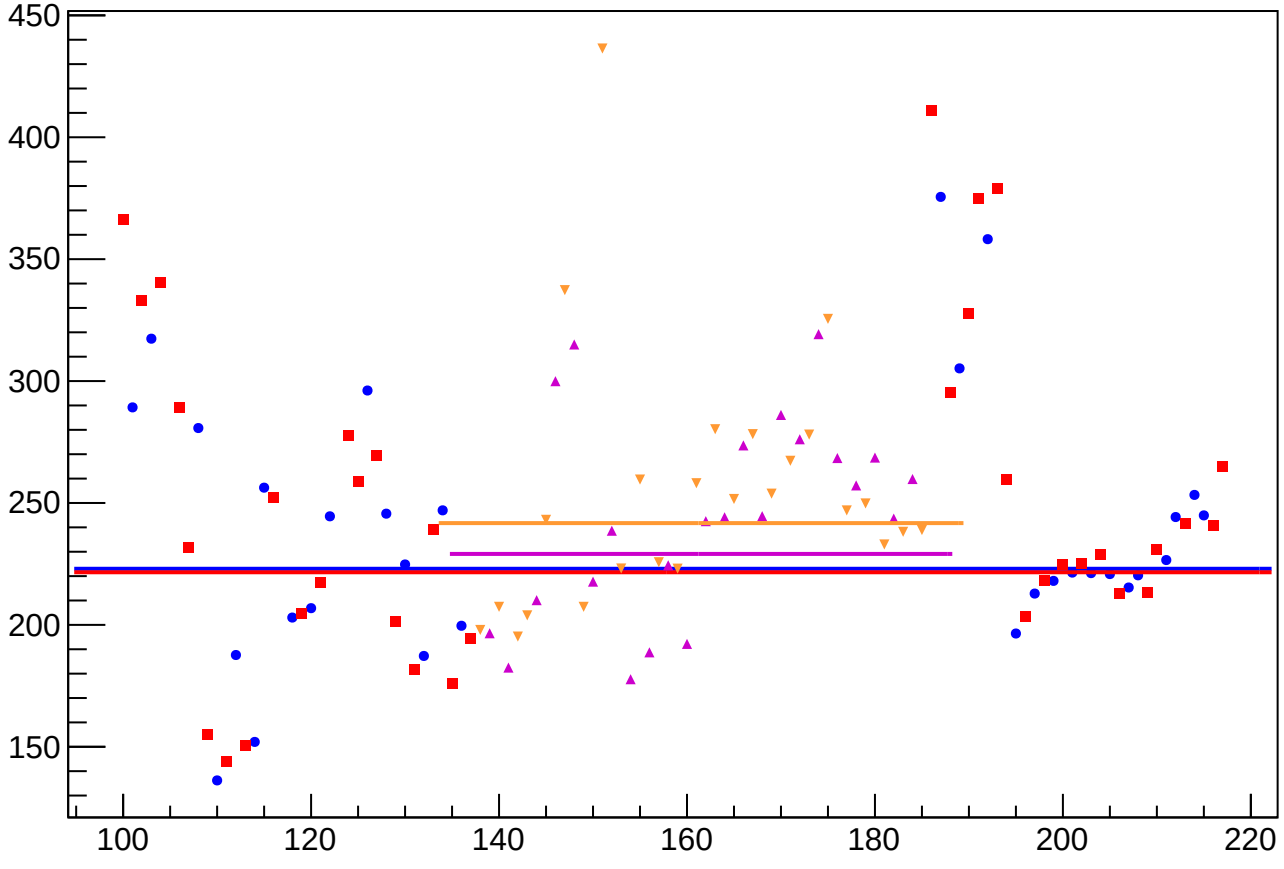
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 276.485+/-38.167 χ^2/NDF: 8852.4/55

All: -150.894+/-26.649 χ^2/NDF: 22092.1/114

- sign -557.455+/-37.226 χ^2/NDF: 12995.0/58

asym_bpm0l01WS_rms vs Slug



Right In: 223.012+/-0.037 χ^2/NDF: 1233417.2/30

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 221.580+/-0.036 χ^2/NDF: 1992083.3/35

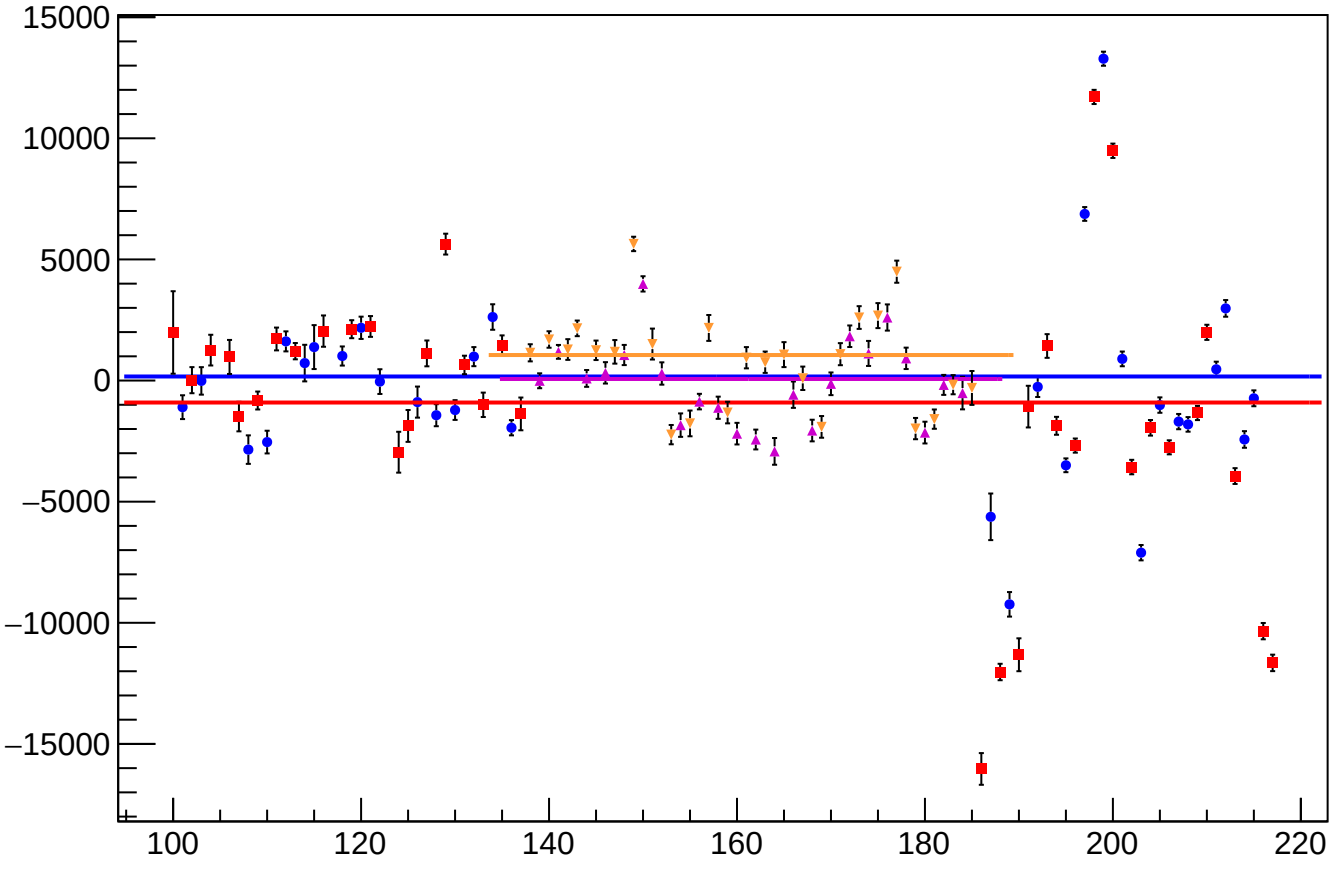
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 231.641+/-0.027 χ^2/NDF: 2339518.8/55

All: 228.243+/-0.019 χ^2/NDF: 5451767.9/114

- sign 225.010+/-0.026 χ^2/NDF: 3081305.6/58

asym_bpm0l02WS_mean vs Slug



Right In: 167.563+/-69.439 χ^2/NDF: 4103.6/30

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -907.118+/-67.350 χ^2/NDF: 7624.2/35

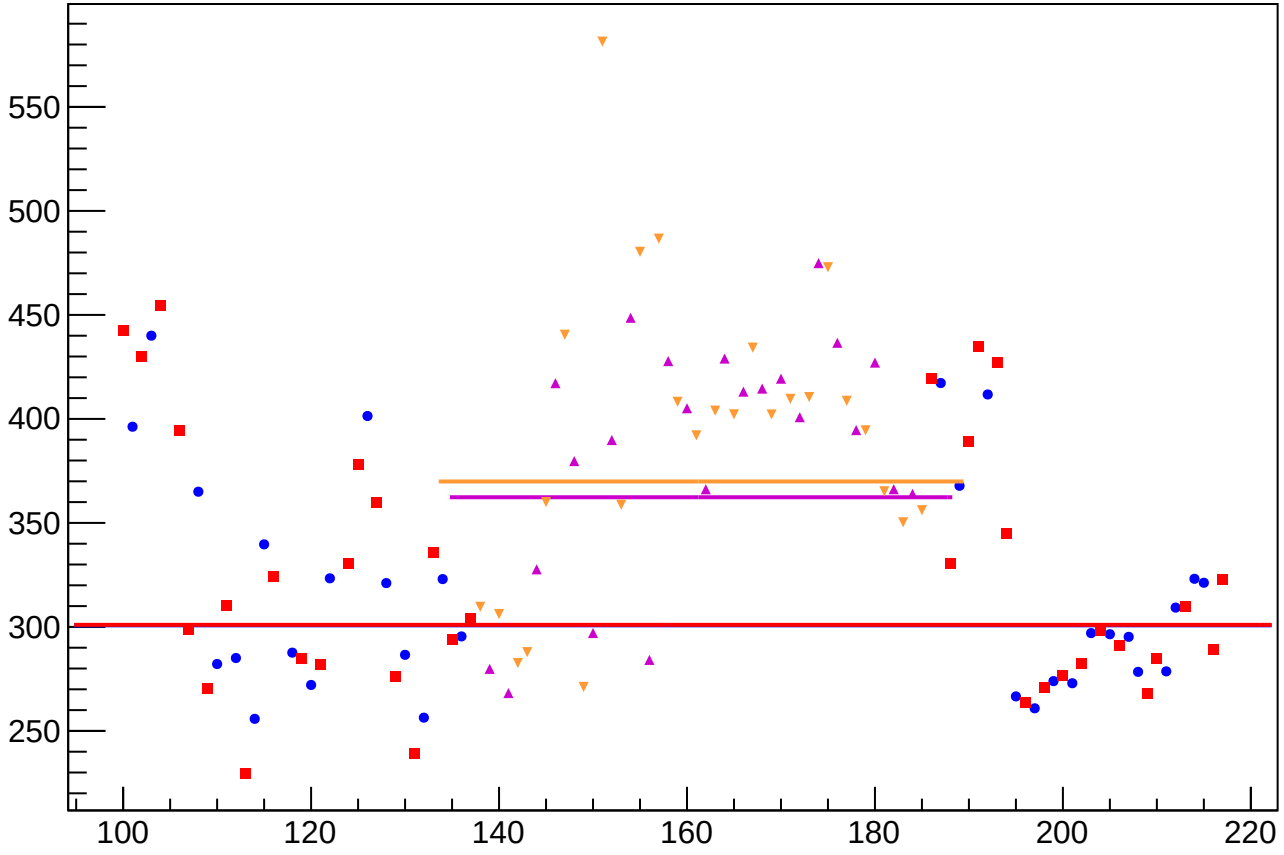
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 517.660+/-54.001 χ^2/NDF: 4782.5/55

All: -19.884+/-37.890 χ^2/NDF: 13074.7/114

- sign -541.186+/-53.179 χ^2/NDF: 8097.1/58

asym_bpm0l02WS_rms vs Slug



Right In: 300.769+/-0.049 χ^2/NDF: 682614.8/30

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.997+/-0.048 χ^2/NDF: 965233.3/35

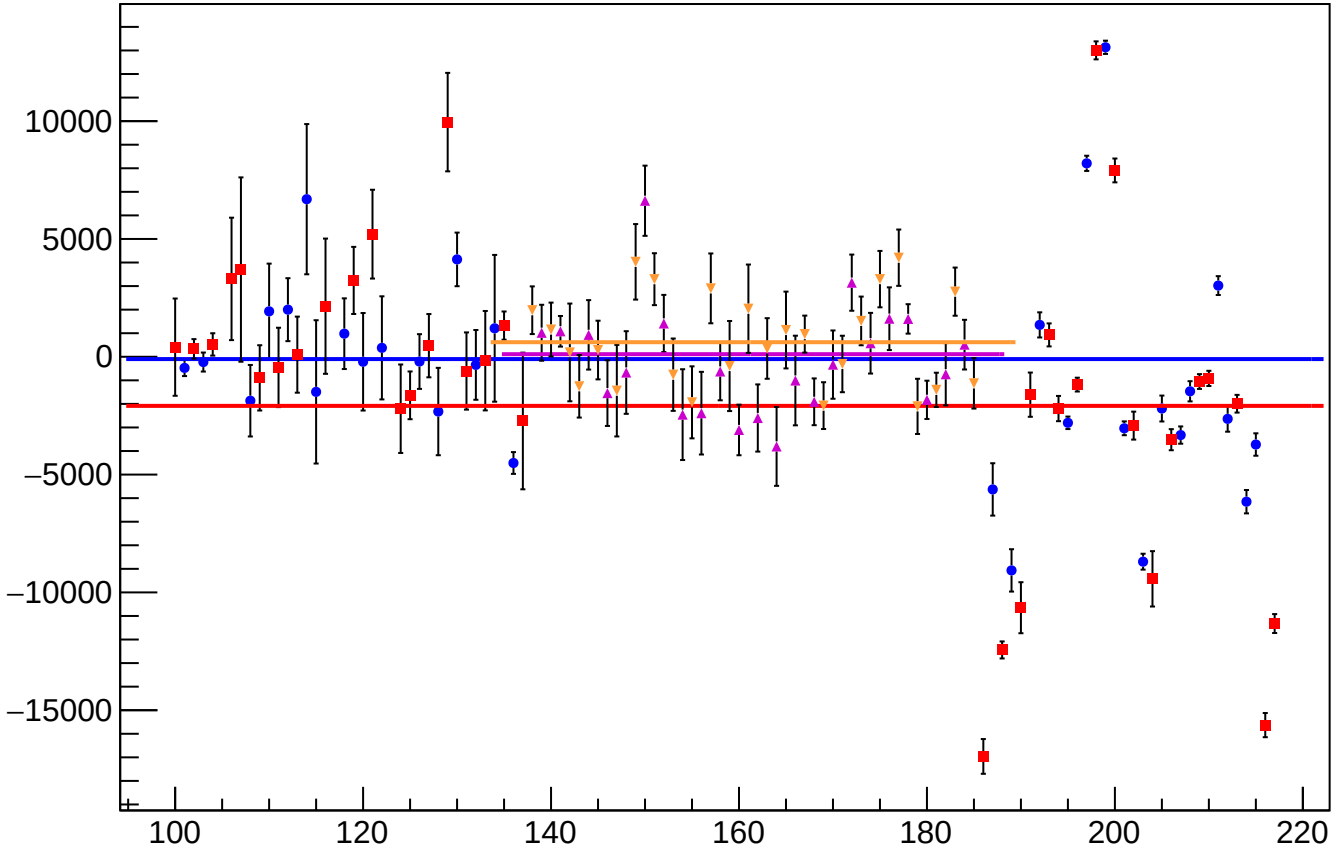
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 328.101+/-0.038 χ^2/NDF: 2696924.2/55

All: 326.068+/-0.027 χ^2/NDF: 5345914.8/114

- sign 324.097+/-0.038 χ^2/NDF: 2643408.4/58

asym_bpm0l03WS_mean vs Slug



Right In: -97.564+/-91.047 χ^2/NDF: 4374.0/30

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2083.939+/-97.416 χ^2/NDF: 4768.8/35

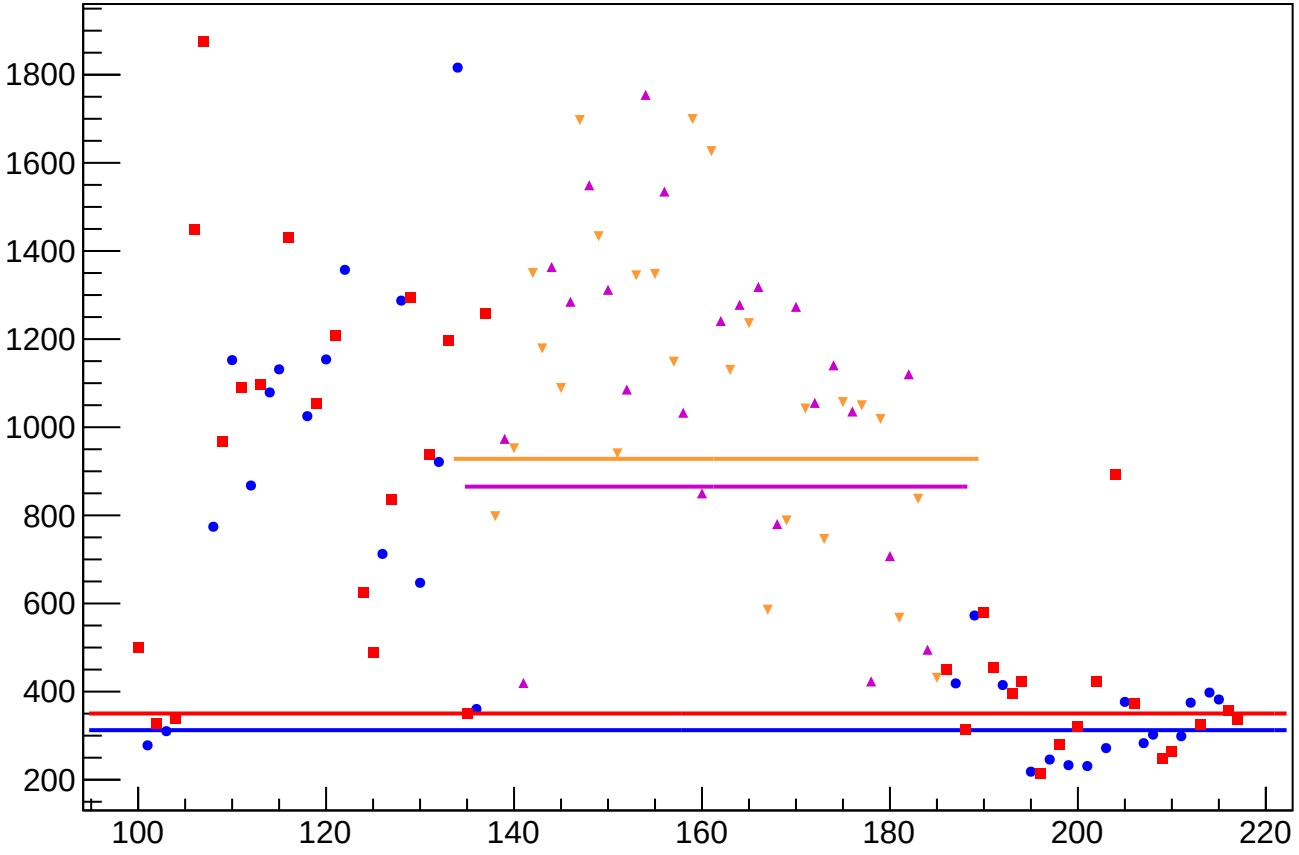
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -6.246+/-85.043 χ^2/NDF: 4447.7/55

All: -836.228+/-61.860 χ^2/NDF: 9563.3/114

- sign -1768.800+/-90.146 χ^2/NDF: 4913.3/58

asym_bpm0l03WS_rms vs Slug



Right In: 312.488+/-0.064 χ^2/NDF: 5294823.1/30

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 350.332+/-0.069 χ^2/NDF: 6163179.0/35

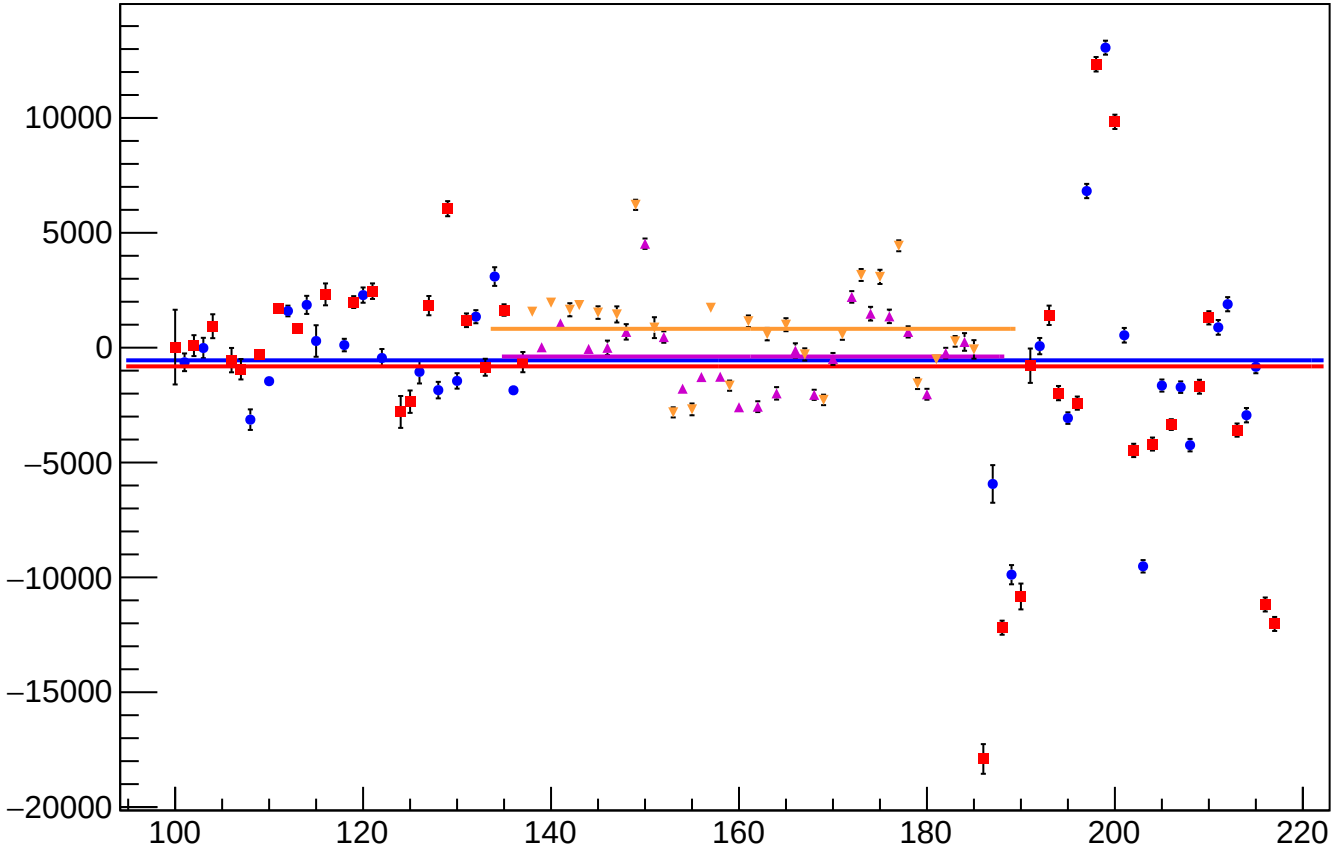
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 391.009+/-0.060 χ^2/NDF: 20254834.2/55

All: 406.689+/-0.044 χ^2/NDF: 39382521.4/11

- sign 424.308+/-0.064 χ^2/NDF: 18983299.2/58

asym_bpm0l04WS_mean vs Slug



Right In: -550.992+/-55.964 χ^2/NDF: 5115.8/30

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -814.074+/-53.235 χ^2/NDF: 9604.5/35

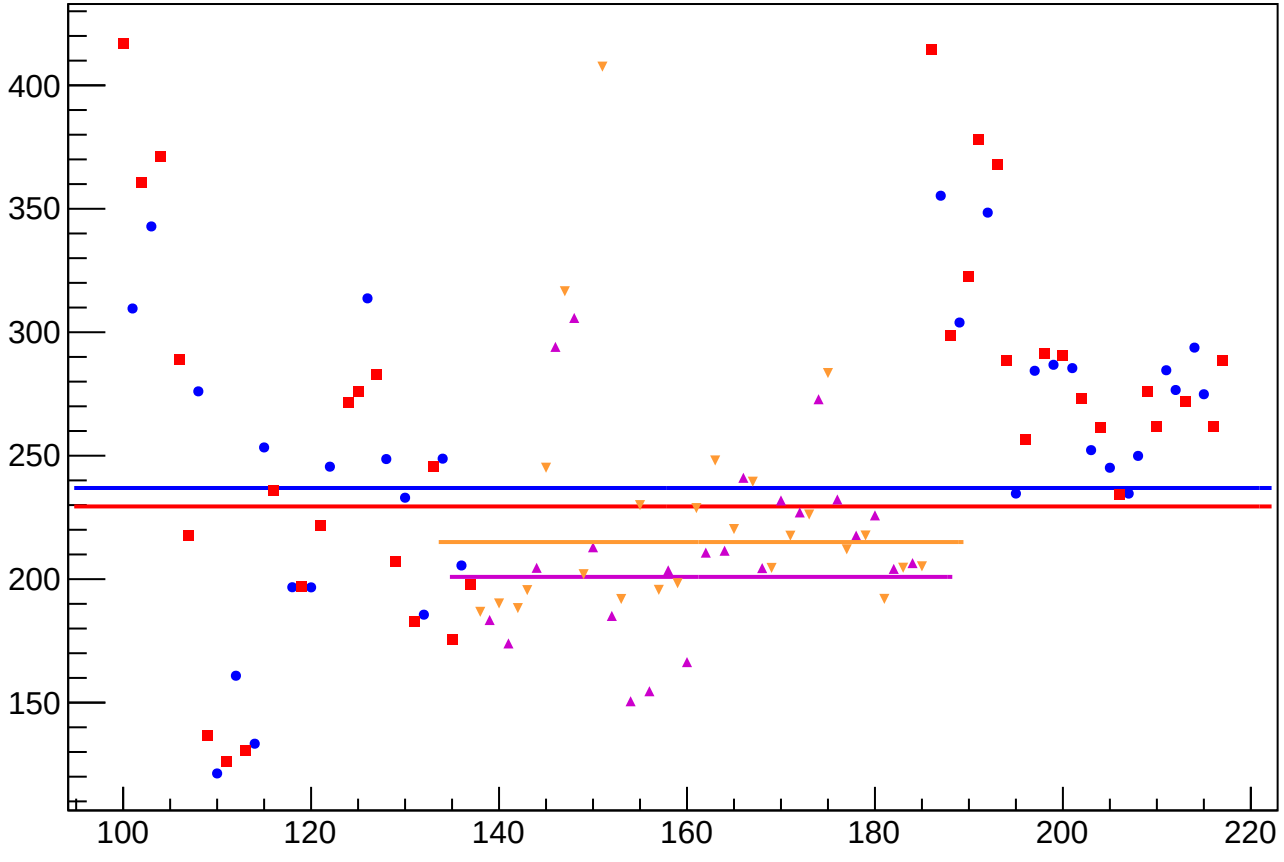
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 211.936+/-37.285 χ^2/NDF: 7440.7/55

All: -199.436+/-25.836 χ^2/NDF: 18568.2/114

- sign -579.412+/-35.834 χ^2/NDF: 10893.3/58

asym_bpm0l04WS_rms vs Slug



Right In: 236.921+/-0.040 χ^2/NDF: 2064799.4/30

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 229.447+/-0.038 χ^2/NDF: 3330741.8/35

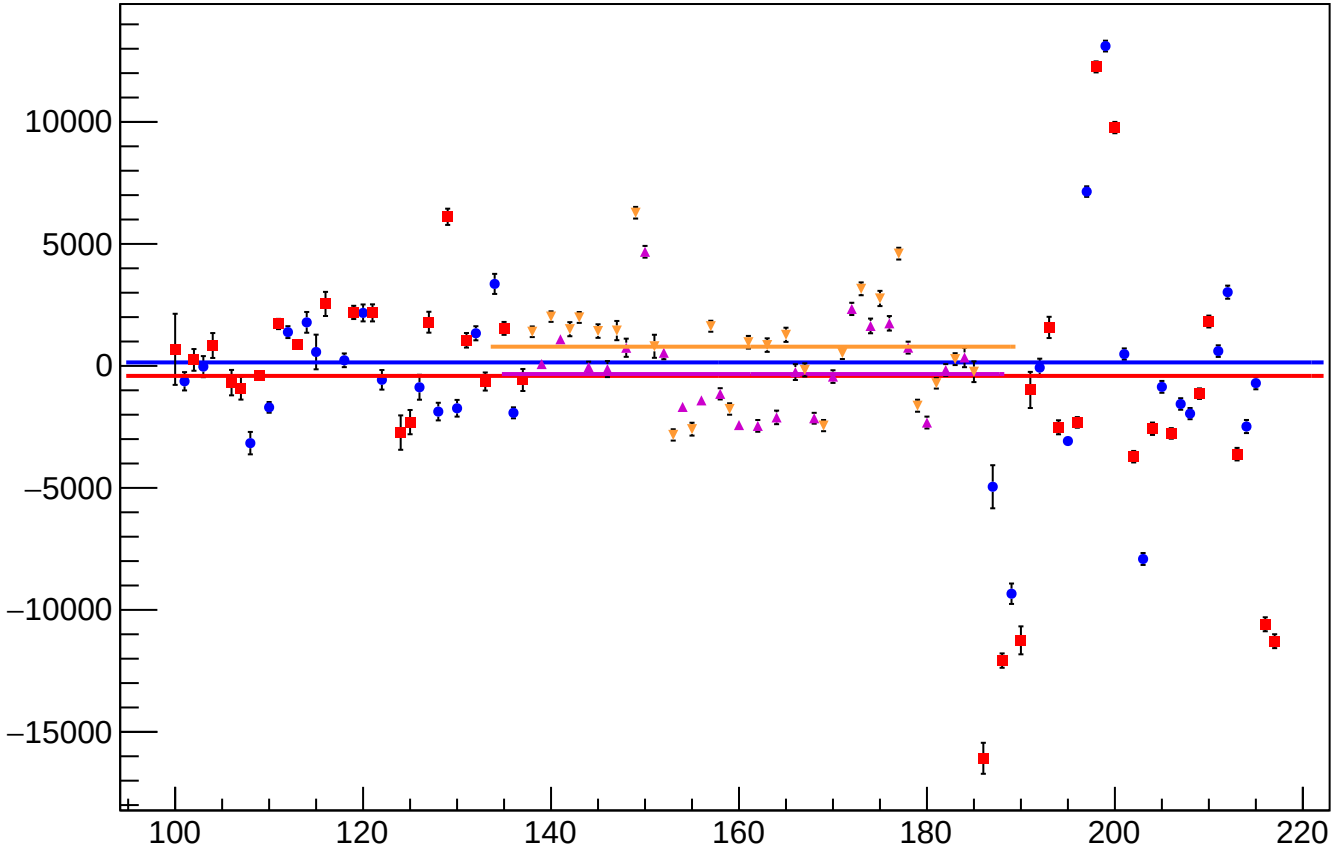
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 224.745+/-0.026 χ^2/NDF: 3132827.8/55

All: 219.078+/-0.018 χ^2/NDF: 7972443.9/114

- sign 213.844+/-0.025 χ^2/NDF: 4750746.0/58

asym_bpm0l05WS_mean vs Slug



Right In: 143.347+/-51.557 χ^2/NDF: 7157.5/30

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -409.670+/-49.894 χ^2/NDF: 11949.8/35

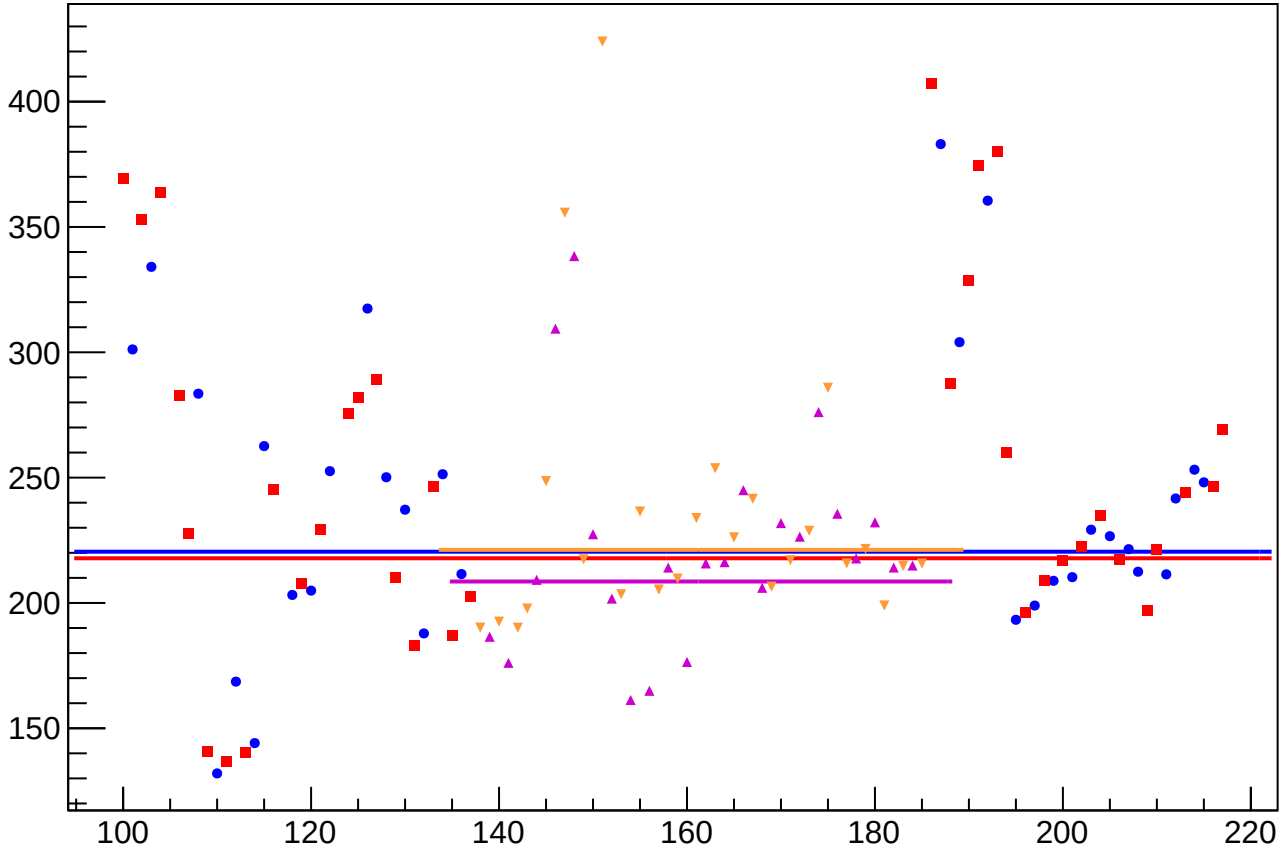
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 466.561+/-36.409 χ^2/NDF: 9126.1/55

All: 35.477+/-25.376 χ^2/NDF: 22564.9/114

- sign -371.716+/-35.386 χ^2/NDF: 13166.2/58

asym_bpm0l05WS_rms vs Slug



Right In: 220.445+/-0.036 χ^2/NDF: 1487569.4/30

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

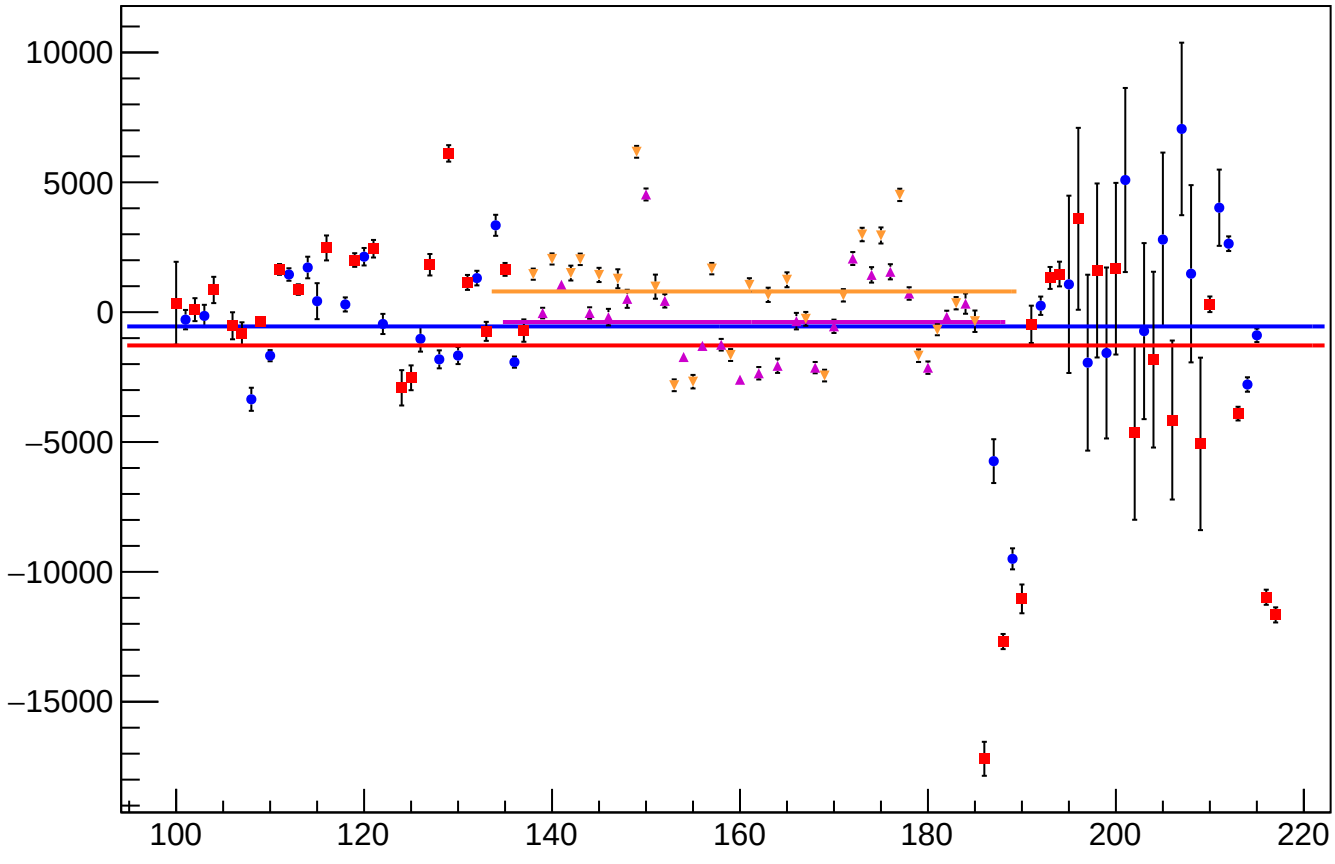
Right Out: 217.819+/-0.035 χ^2/NDF: 2396768.4/35

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 220.816+/-0.026 χ^2/NDF: 2427296.1/55

All: 216.907+/-0.018 χ^2/NDF: 5938782.7/114

- sign 213.215+/-0.025 χ^2/NDF: 3466663.5/58



Right In: -549.276+/-68.657 χ^2/NDF: 1189.5/30

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -1281.381+/-61.464 χ^2/NDF: 6546.0/35

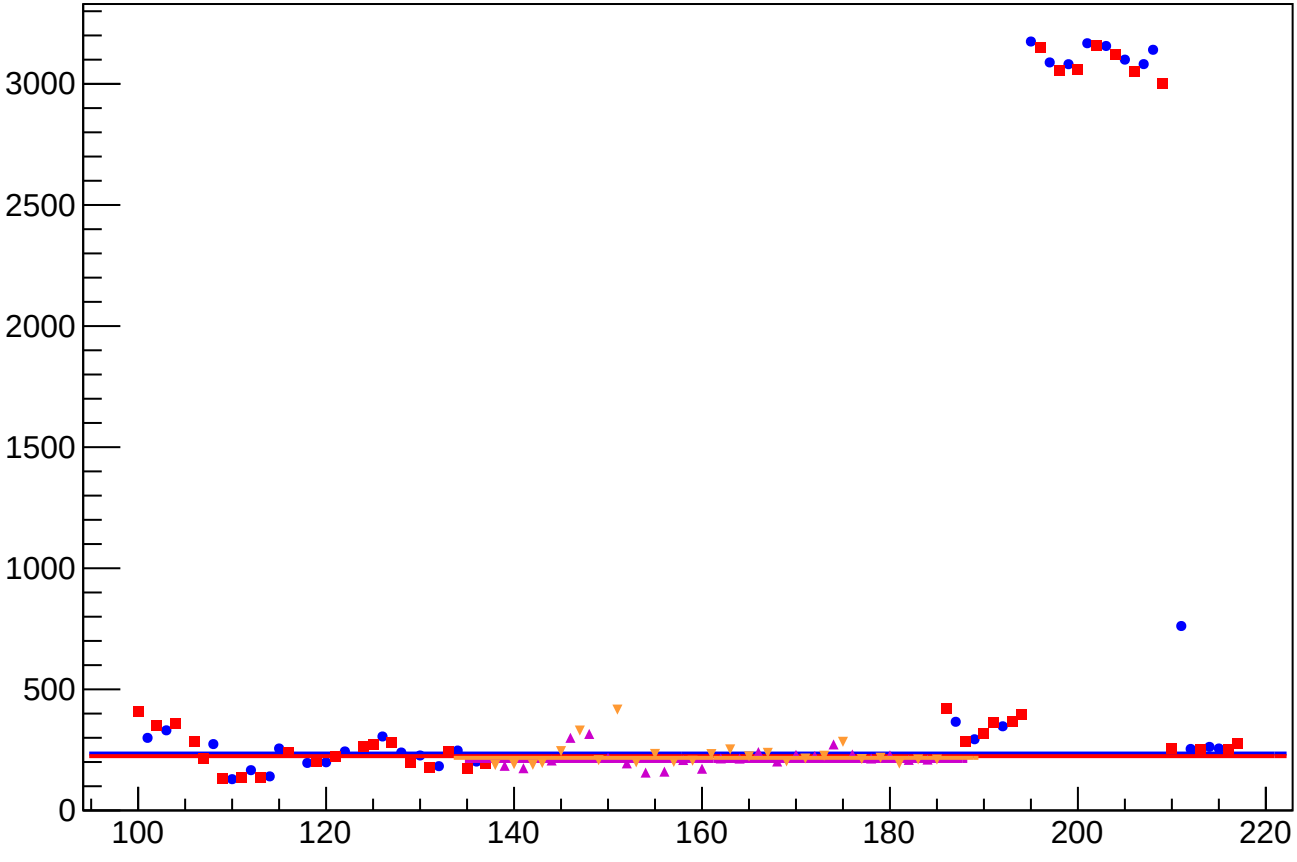
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 324.720+/-40.678 χ^2/NDF: 3400.0/55

All: -233.822+/-27.924 χ^2/NDF: 11635.1/114

- sign -731.609+/-38.402 χ^2/NDF: 7878.5/58

asym_bpm0l06WS_rms vs Slug



Right In: 234.971+/-0.049 χ^2/NDF: 13379324.8/30

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 224.225+/-0.043 χ^2/NDF: 13239022.2/35

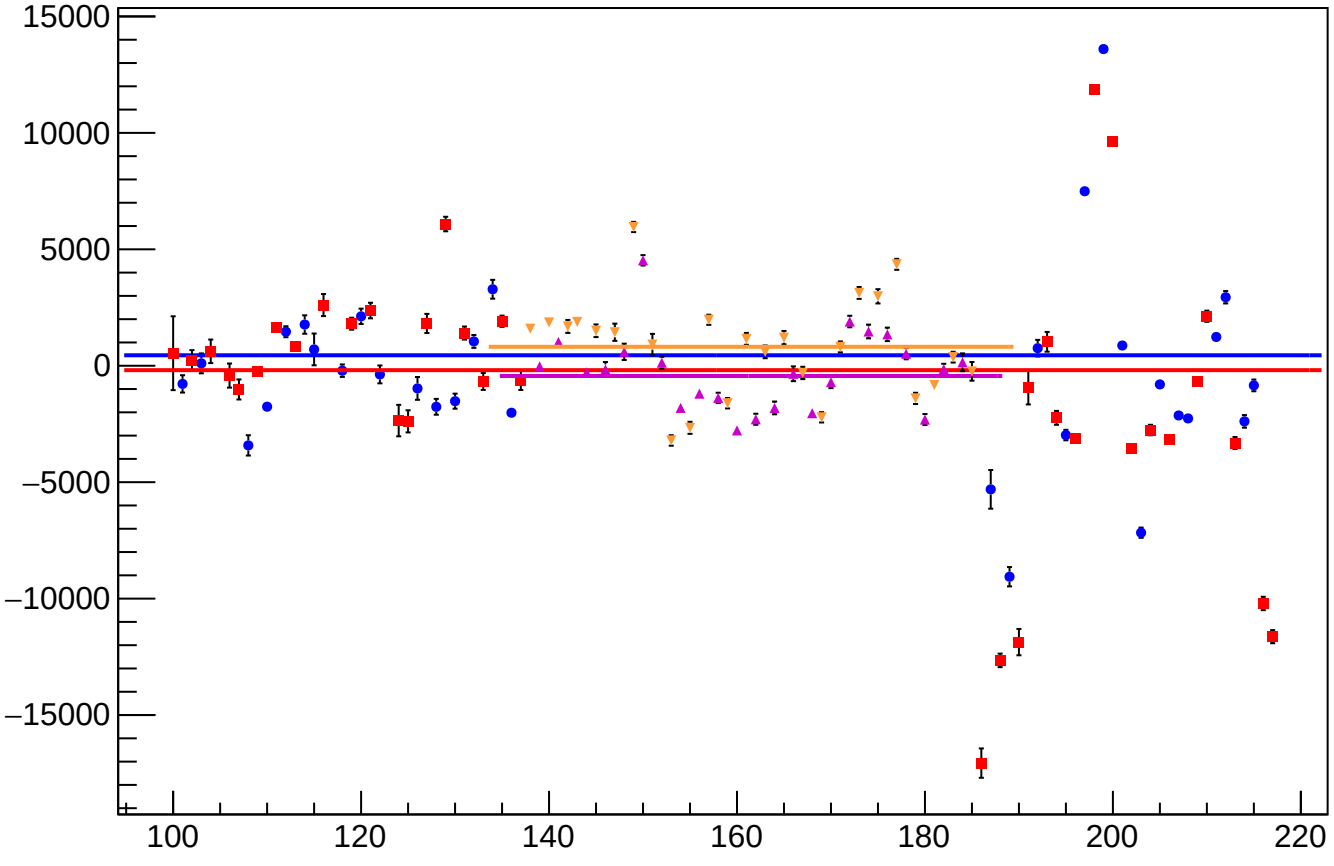
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 223.454+/-0.029 χ^2/NDF: 14376491.3/55

All: 217.442+/-0.020 χ^2/NDF: 28841230.9/11

- sign 212.083+/-0.027 χ^2/NDF: 14382100.1/58

asym_bpm0l07WS_mean vs Slug



Right In: 449.503+/-48.190 χ^2/NDF: 9356.2/30

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -189.390+/-46.721 χ^2/NDF: 13972.7/35

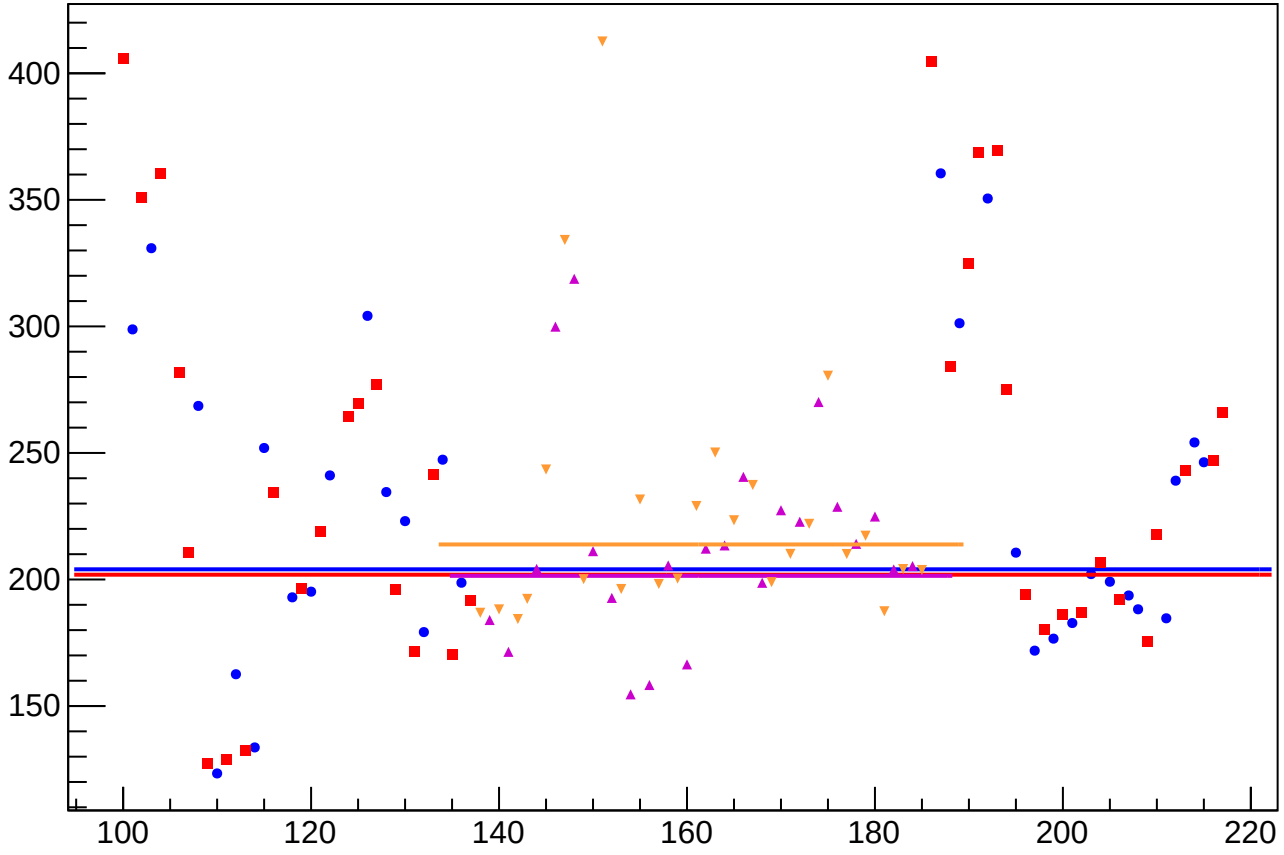
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 626.045+/-34.617 χ^2/NDF: 11384.3/55

All: 145.021+/-24.132 χ^2/NDF: 26981.4/114

- sign -309.766+/-33.660 χ^2/NDF: 15221.4/58

asym_bpm0l07WS_rms vs Slug



Right In: 204.026+/-0.034 χ^2/NDF: 1799063.6/30

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 201.896+/-0.033 χ^2/NDF: 2901262.9/35

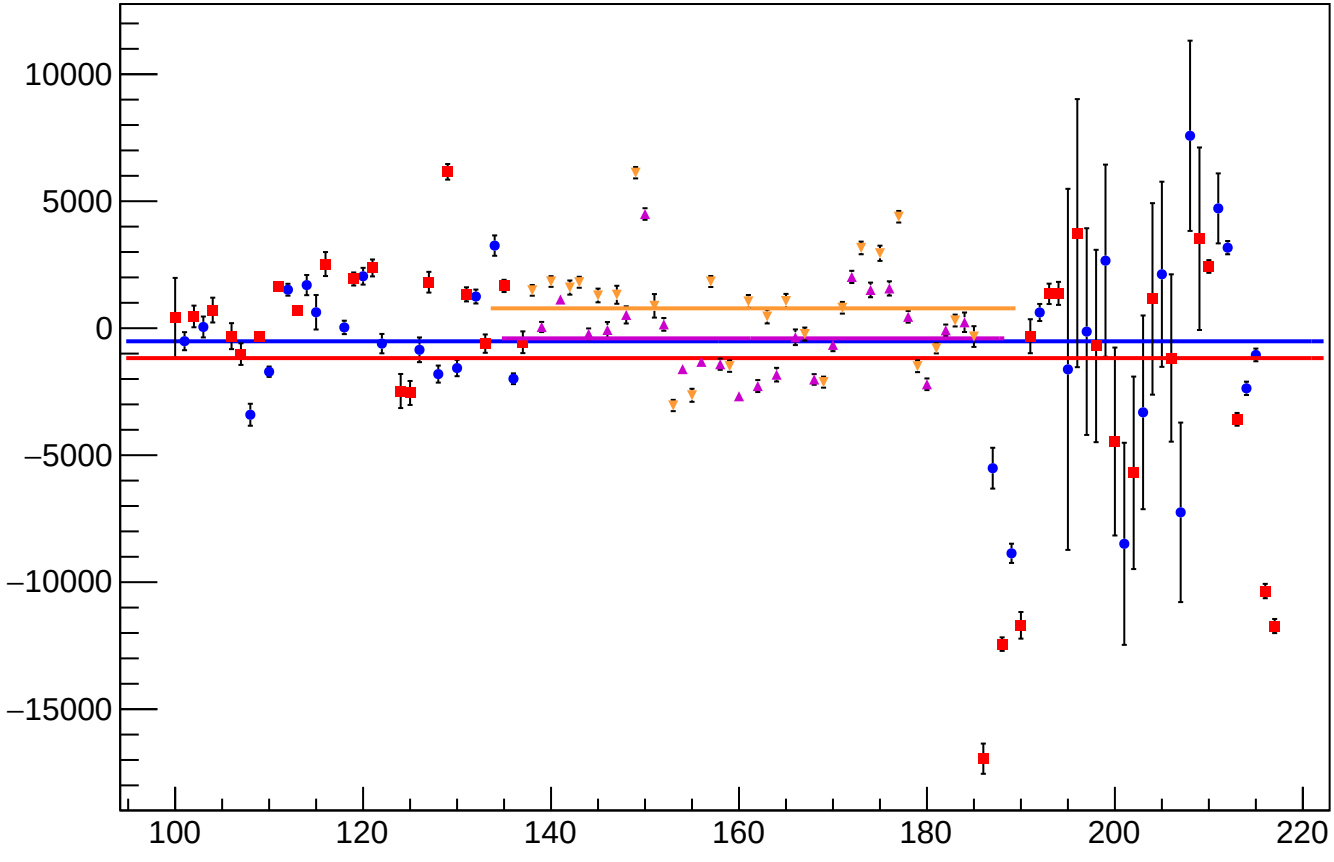
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.780+/-0.024 χ^2/NDF: 2802854.0/55

All: 205.130+/-0.017 χ^2/NDF: 6809429.2/114

- sign 201.679+/-0.024 χ^2/NDF: 3963324.7/58

asym_bpm0l08WS_mean vs Slug



Right In: -515.497+/-66.168 χ^2/NDF: 1277.1/30

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -1177.361+/-58.627 χ^2/NDF: 7298.0/35

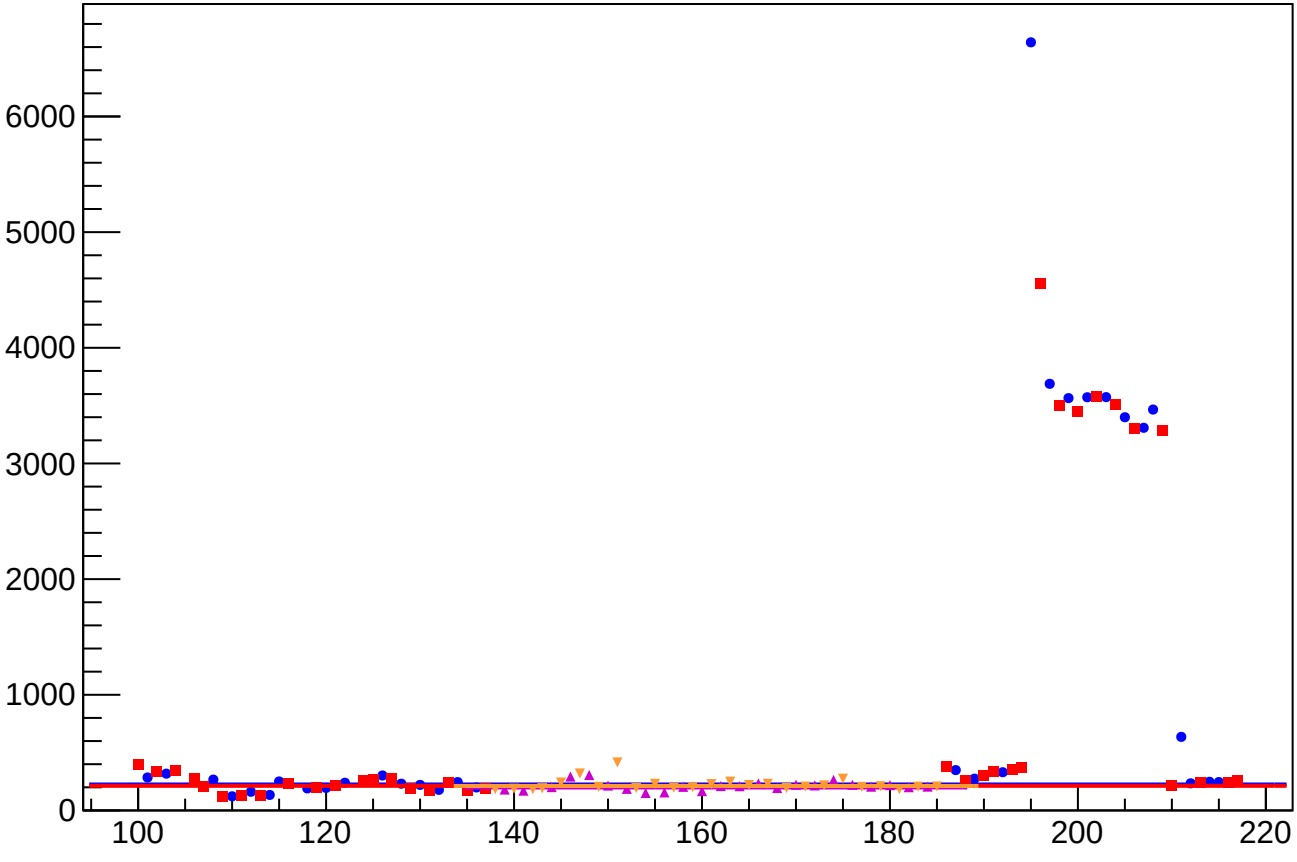
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 320.307+/-39.481 χ^2/NDF: 3526.1/55

All: -227.696+/-27.019 χ^2/NDF: 12524.1/114

- sign -710.433+/-37.056 χ^2/NDF: 8635.6/58

asym_bpm0l08WS_rms vs Slug



Right In: 224.620+/-0.047 χ^2/NDF: 13759746.5/30

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 212.850+/-0.041 χ^2/NDF: 13500403.3/35

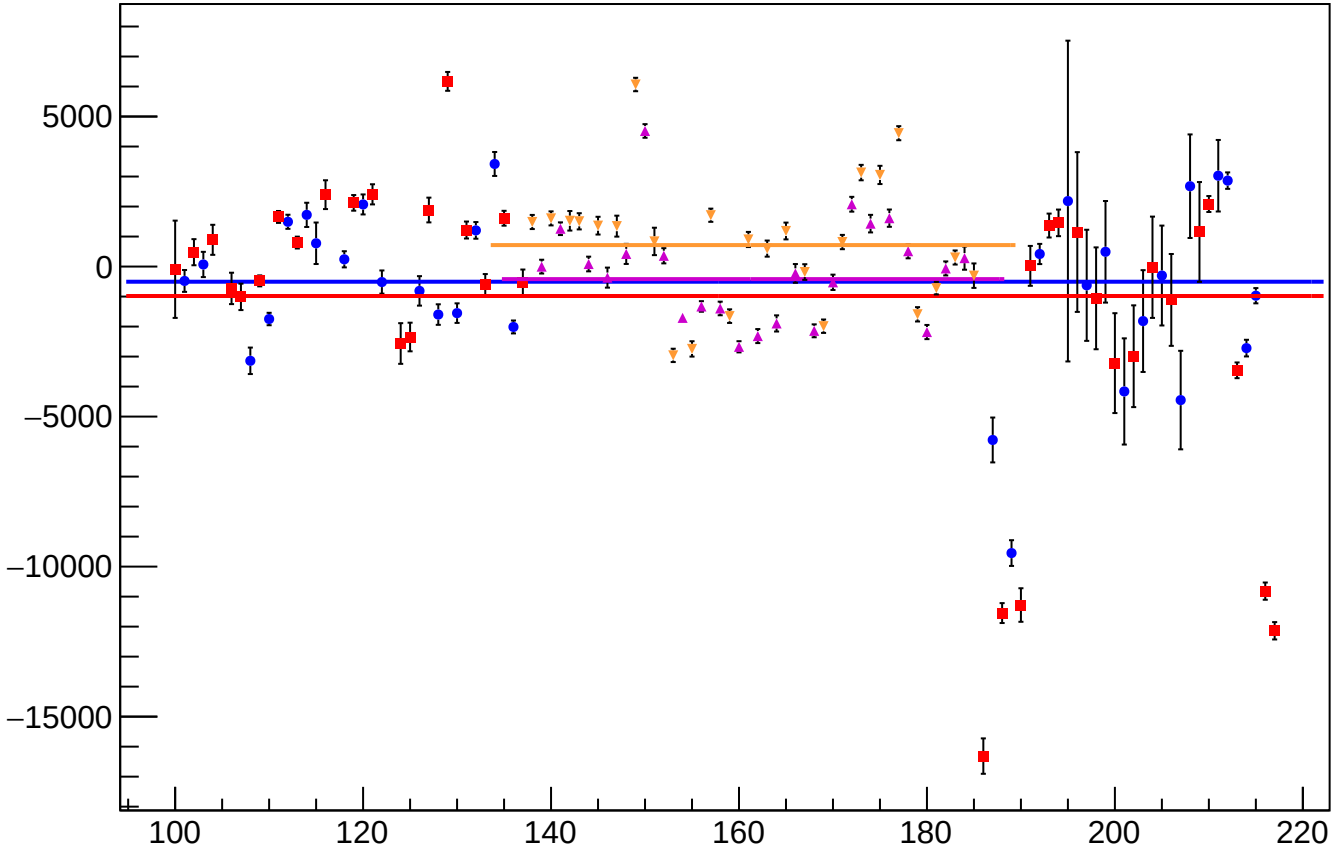
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 216.168+/-0.028 χ^2/NDF: 14745398.4/55

All: 209.831+/-0.019 χ^2/NDF: 29420908.8/11

- sign 204.248+/-0.026 χ^2/NDF: 14578571.0/58

asym_bpm0l09WS_mean vs Slug



Right In: -505.464+/-67.232 χ^2/NDF: 1194.6/30

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -981.532+/-60.211 χ^2/NDF: 6323.9/35

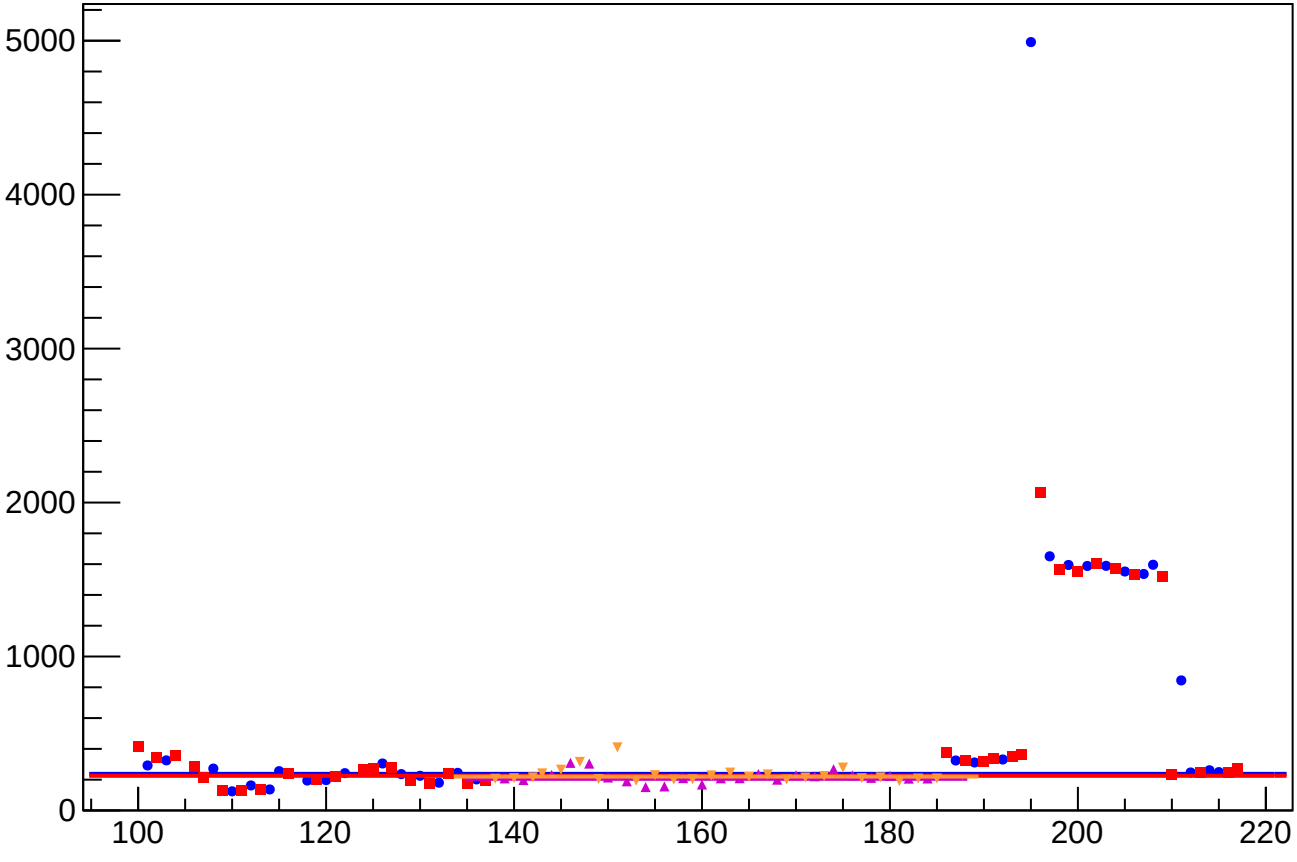
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 268.415+/-40.688 χ^2/NDF: 3321.6/55

All: -216.889+/-27.868 χ^2/NDF: 11206.6/114

- sign -645.737+/-38.248 χ^2/NDF: 7617.0/58

asym_bpm0l09WS_rms vs Slug



Right In: 237.711+/-0.048 χ^2/NDF: 12321278.3/30

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 225.097+/-0.043 χ^2/NDF: 11681948.4/35

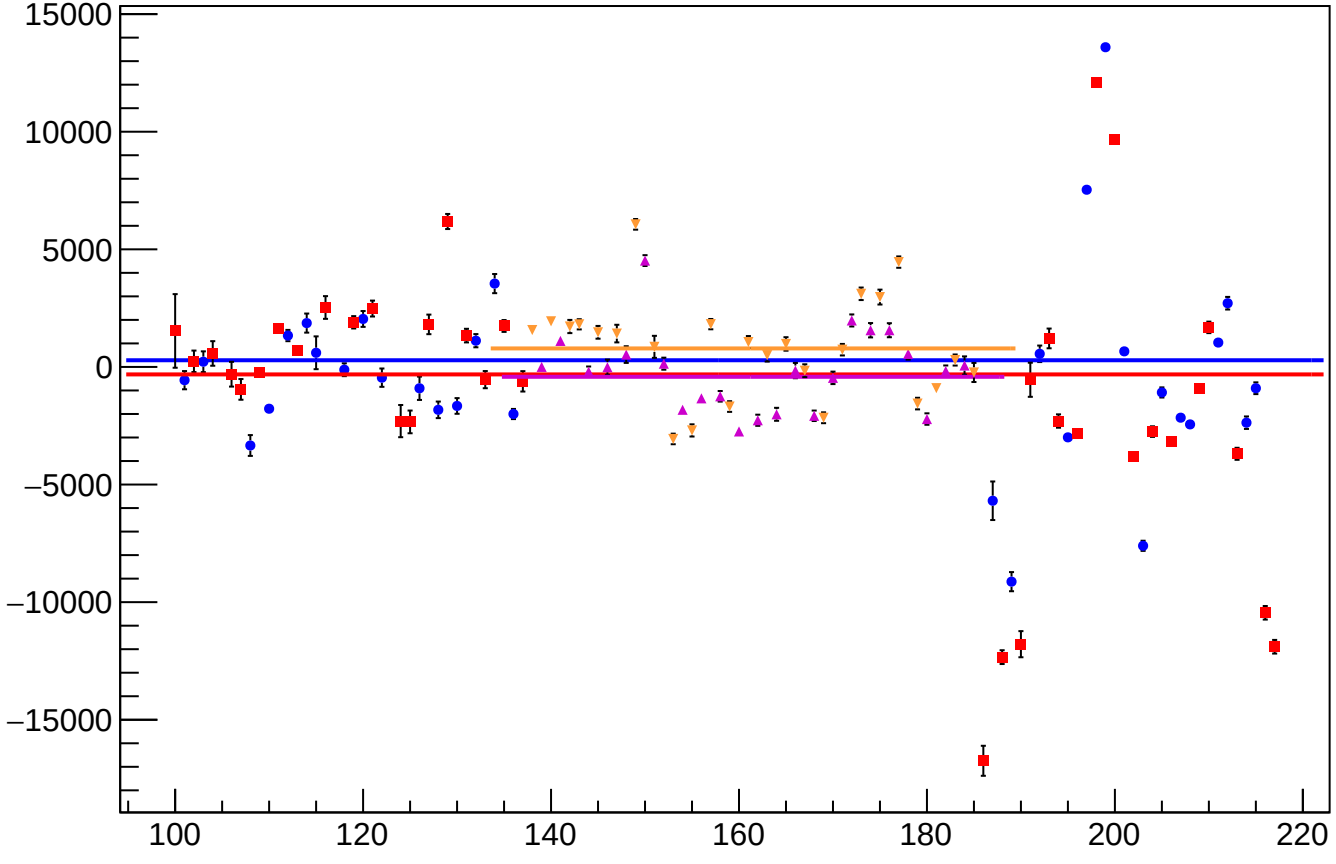
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 226.579+/-0.029 χ^2/NDF: 13207506.7/55

All: 219.581+/-0.020 χ^2/NDF: 26141477.1/11

- sign 213.397+/-0.027 χ^2/NDF: 12822529.3/58

asym_bpm0l10WS_mean vs Slug



Right In: 284.316+/-48.647 χ^2/NDF: 9328.0/30

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -317.691+/-47.450 χ^2/NDF: 13591.8/35

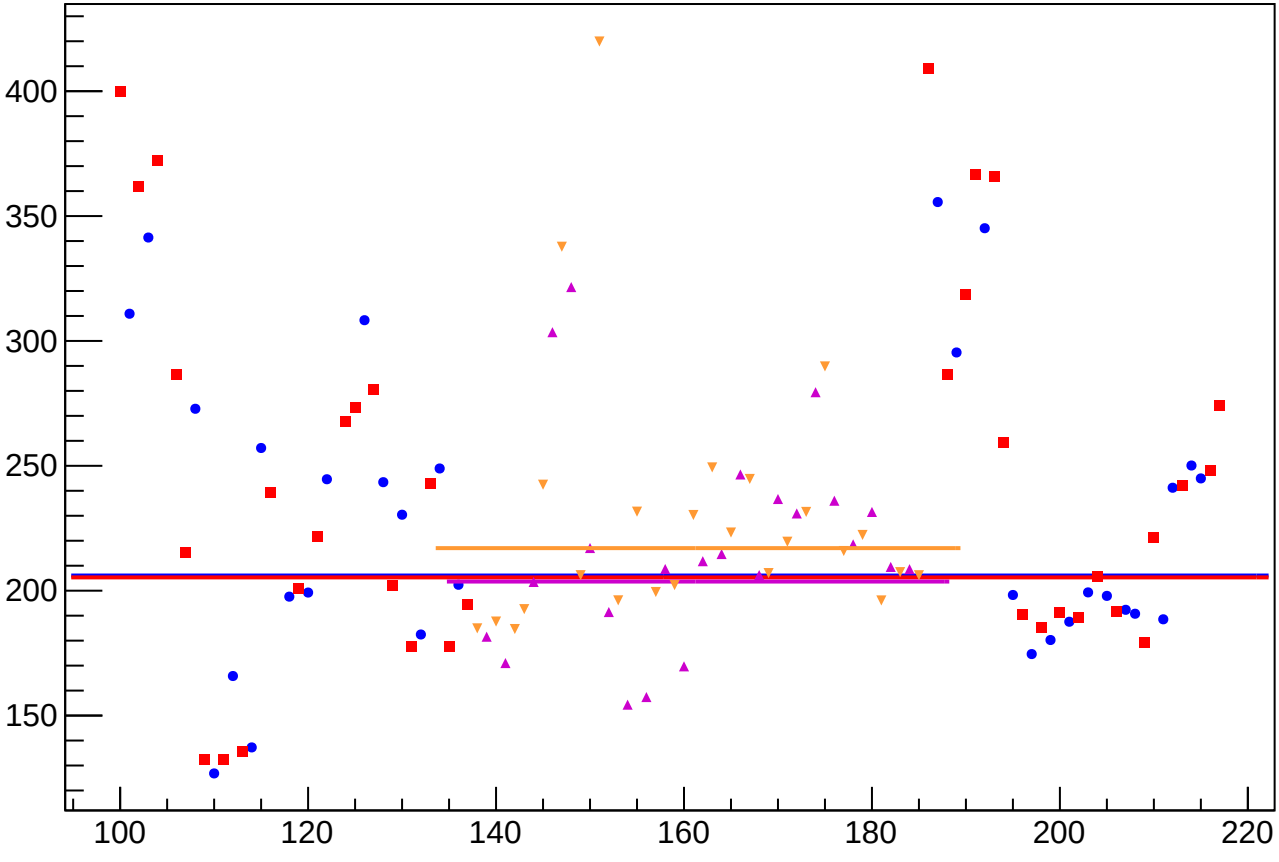
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 526.108+/-35.043 χ^2/NDF: 11316.9/55

All: 68.139+/-24.453 χ^2/NDF: 26454.8/114

- sign -366.476+/-34.138 χ^2/NDF: 14805.0/58

asym_bpm0l10WS_rms vs Slug



Right In: 206.070+/-0.034 χ^2/NDF: 1721617.3/30

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 205.323+/-0.034 χ^2/NDF: 2734443.3/35

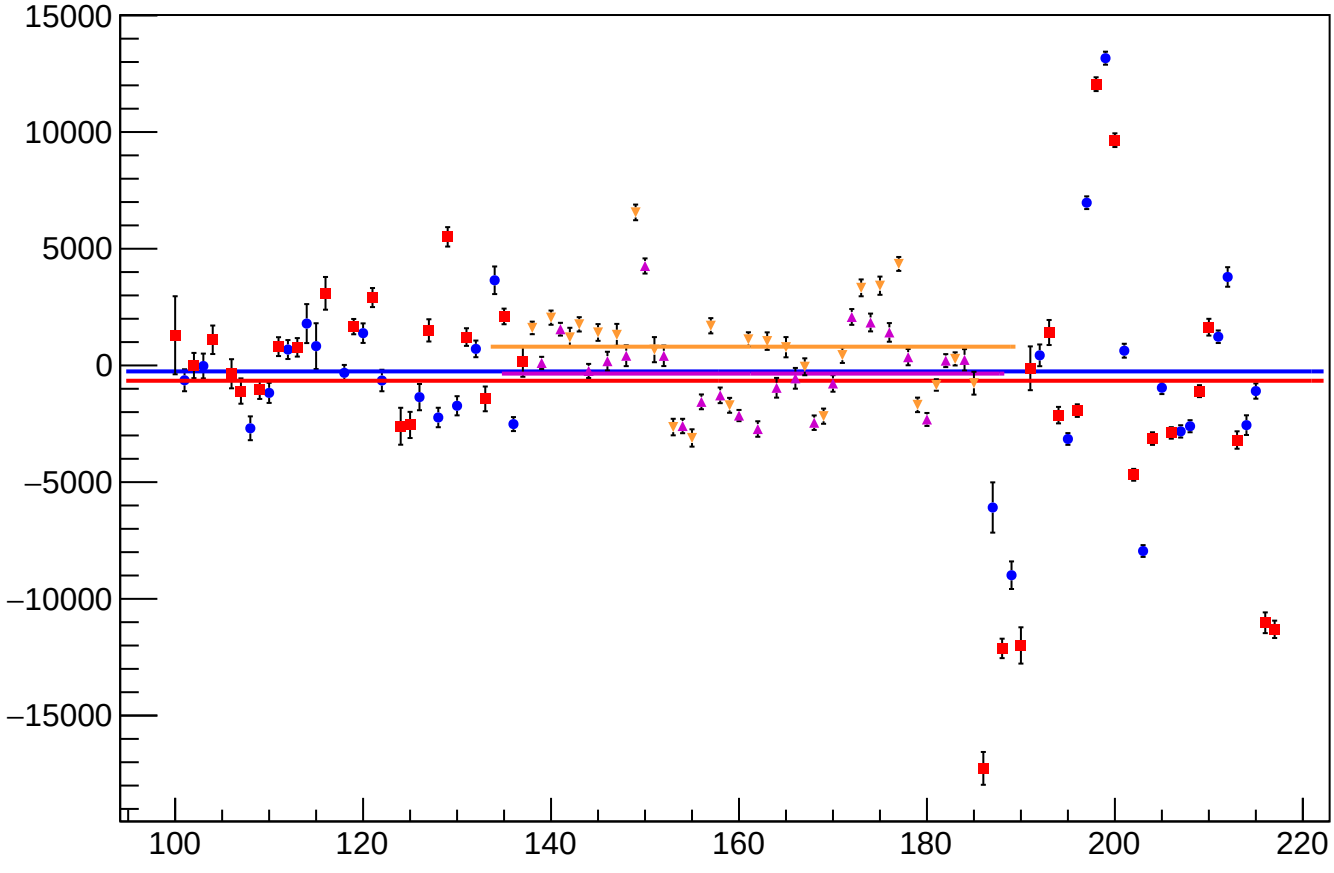
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 211.347+/-0.025 χ^2/NDF: 2753718.4/55

All: 207.845+/-0.017 χ^2/NDF: 6693620.6/114

- sign 204.521+/-0.024 χ^2/NDF: 3900963.2/58

asym_bpm0r03WS_mean vs Slug



Right In: -255.463+/-65.055 χ^2/NDF: 4880.4/30

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -656.381+/-65.601 χ^2/NDF: 7078.0/35

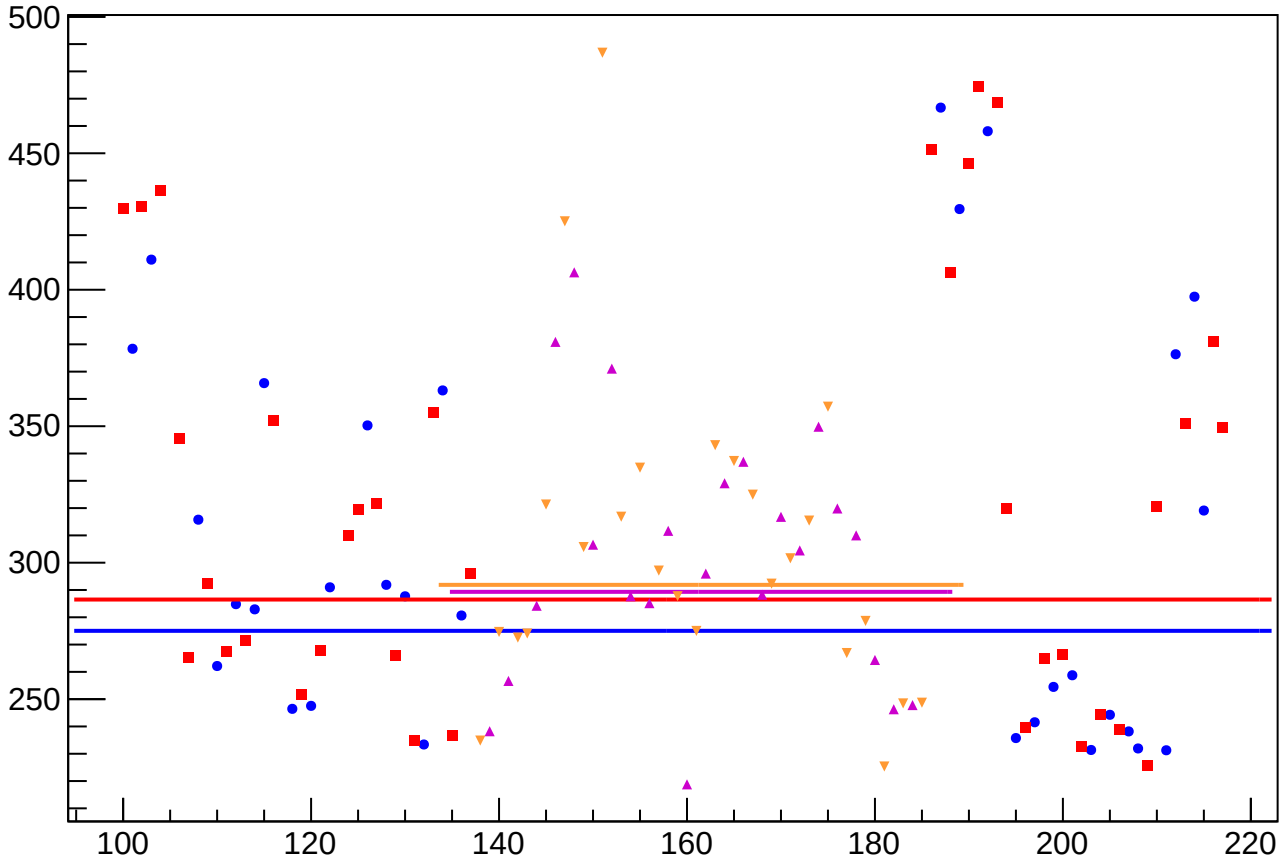
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 253.106+/-46.906 χ^2/NDF: 6065.4/55

All: -123.800+/-33.389 χ^2/NDF: 13940.7/114

- sign -510.934+/-47.538 χ^2/NDF: 7744.4/58

asym_bpm0r03WS_rms vs Slug



Right In: 275.033+/-0.046 χ^2/NDF: 1558066.0/30

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.500+/-0.046 χ^2/NDF: 1810225.3/35

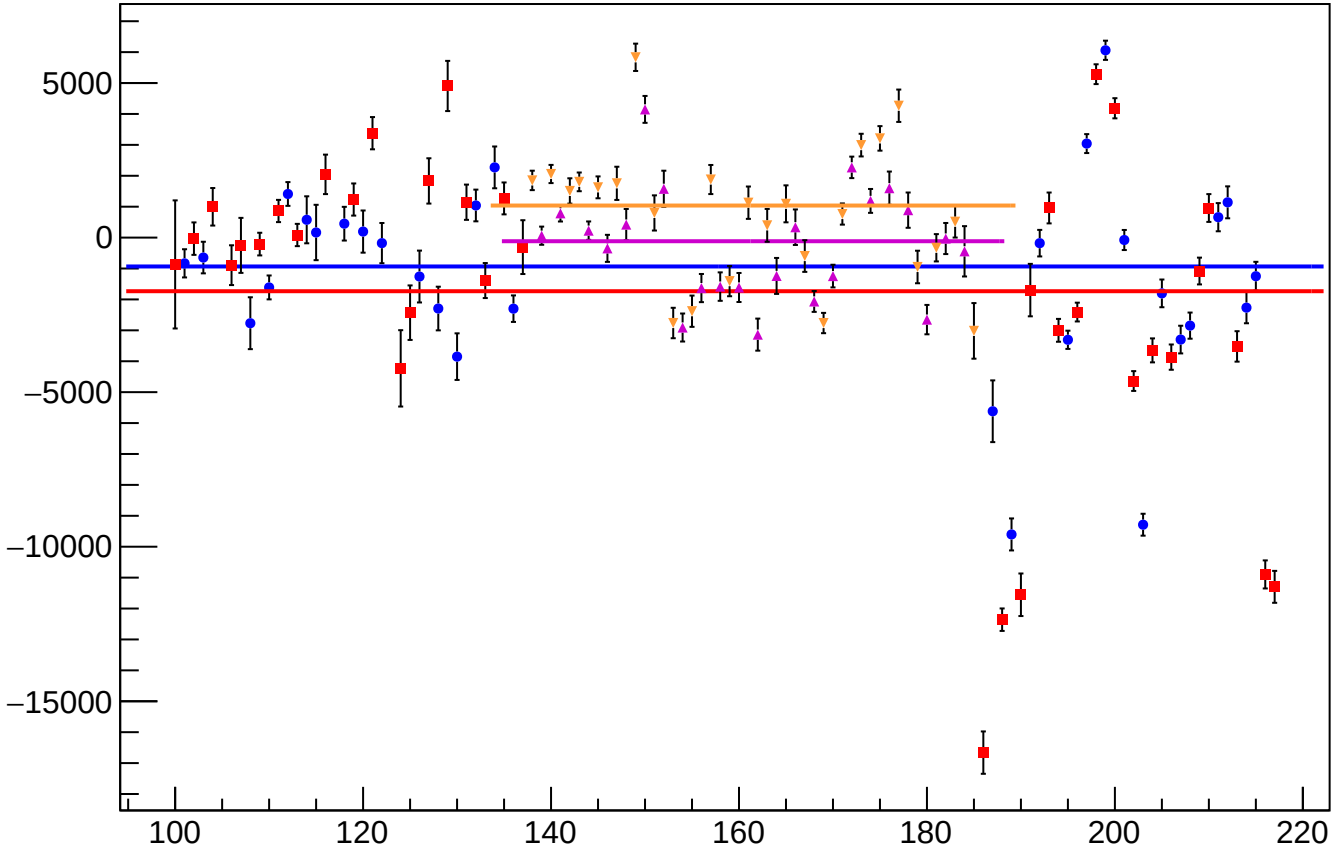
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 283.123+/-0.033 χ^2/NDF: 2582400.2/55

All: 285.450+/-0.024 χ^2/NDF: 5212962.5/114

- sign 287.840+/-0.034 χ^2/NDF: 2620586.2/58

asym_bpm0r05WS_mean vs Slug



Right In: -933.953+/-83.404 χ^2/NDF: 1824.4/30

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1734.318+/-79.209 χ^2/NDF: 3774.9/35

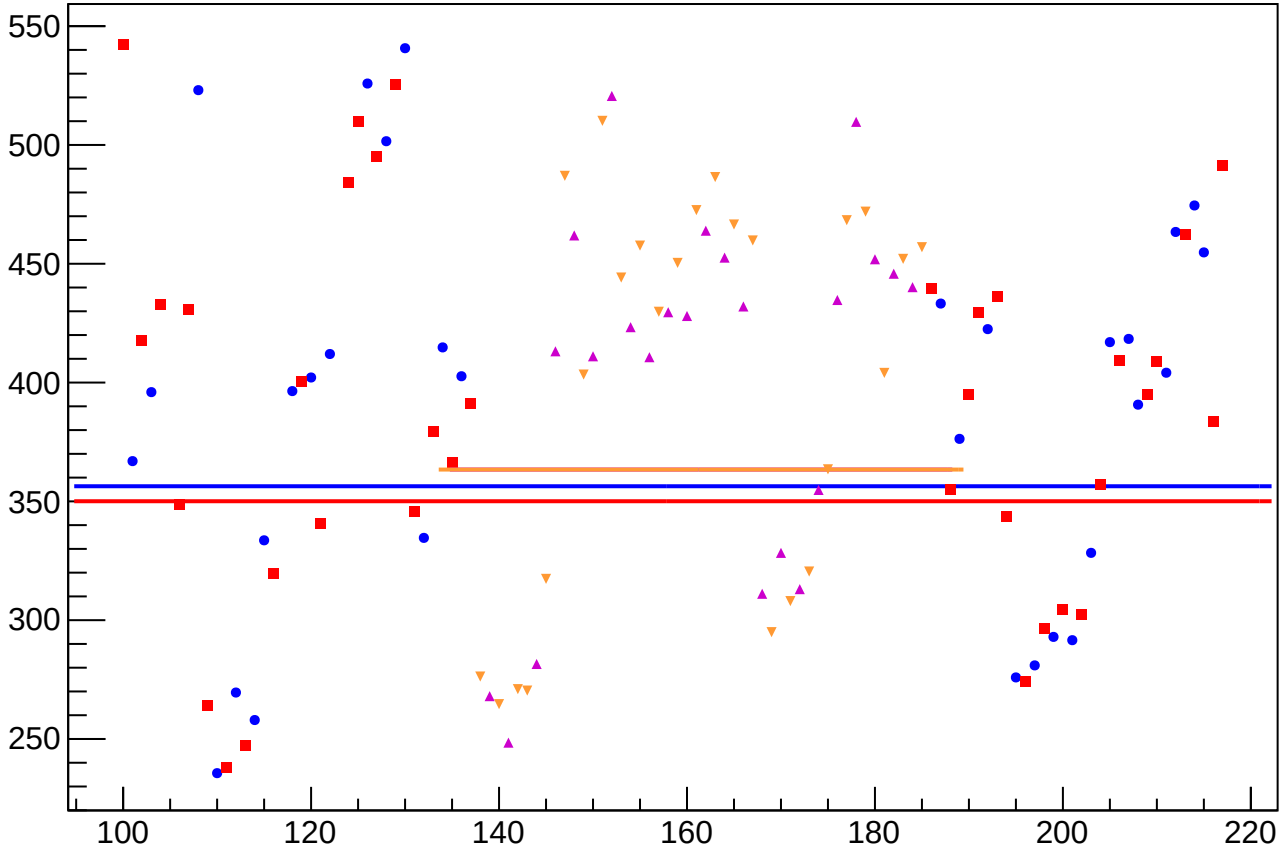
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 30.691+/-59.600 χ^2/NDF: 2667.9/55

All: -495.270+/-41.826 χ^2/NDF: 7154.4/114

- sign -1005.638+/-58.710 χ^2/NDF: 4333.1/58

asym_bpm0r05WS_rms vs Slug



Right In: 356.366+/-0.059 χ^2/NDF: 1688444.3/30

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 350.057+/-0.056 χ^2/NDF: 1614461.0/35

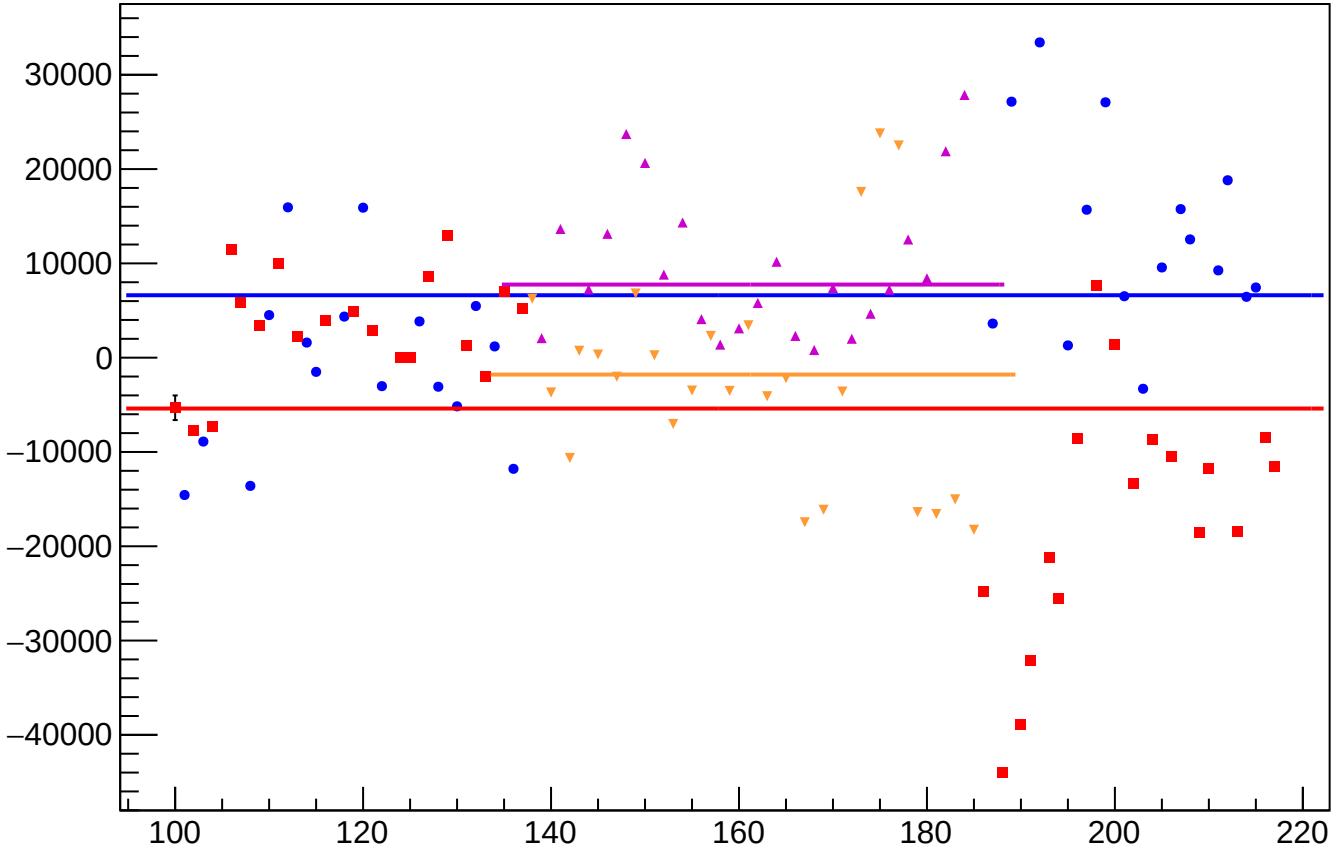
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 359.801+/-0.042 χ^2/NDF: 3635877.9/55

All: 357.904+/-0.030 χ^2/NDF: 6991454.7/114

- sign 356.063+/-0.042 χ^2/NDF: 3351583.1/58

asym_bpm0i02WS_mean vs Slug



Right In: 6622.063+/-38.494 χ^2/NDF: 96708.1/30

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5393.881+/-36.880 χ^2/NDF: 147782.5/35

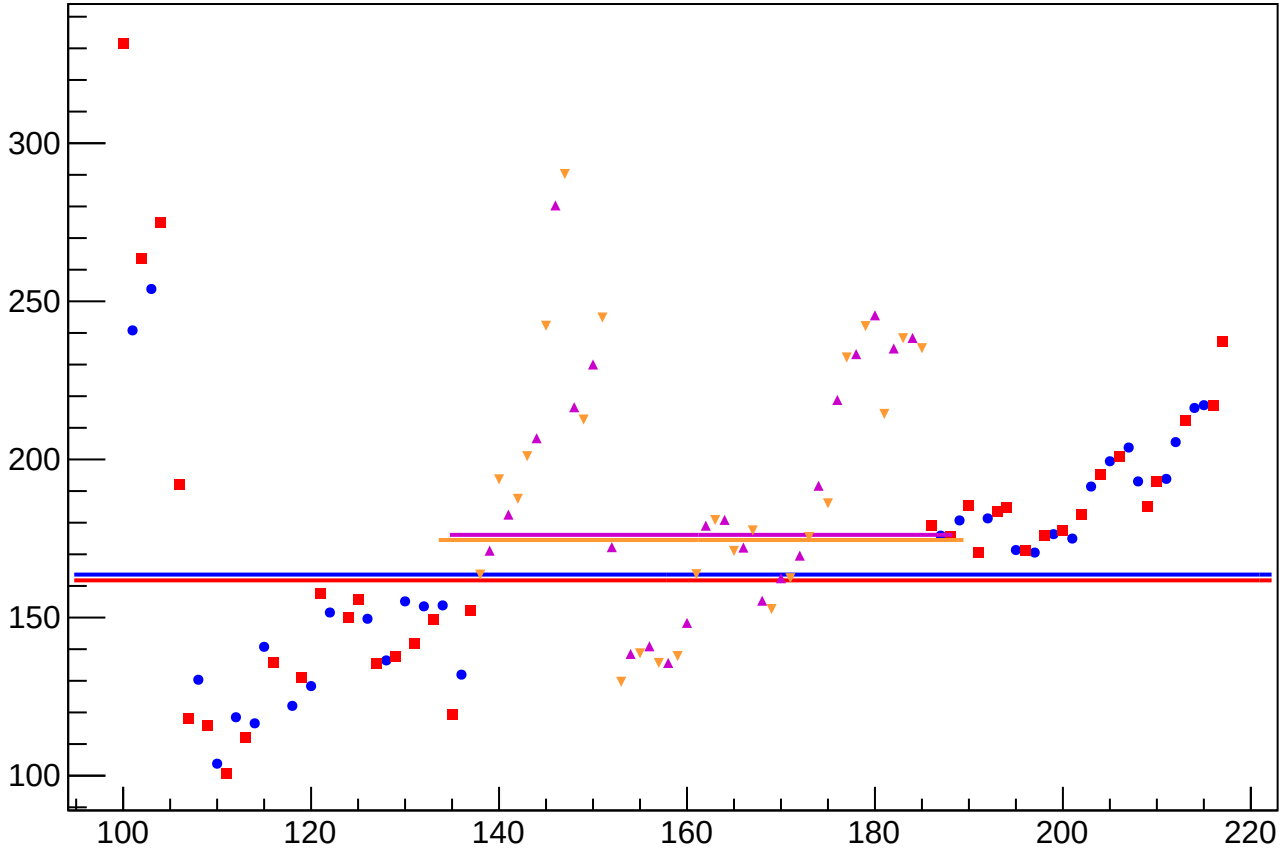
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2671.646+/-28.034 χ^2/NDF: 184881.6/55

All: 1450.571+/-19.767 χ^2/NDF: 414208.4/11

- sign 243.359+/-27.875 χ^2/NDF: 225554.1/58

asym_bpm0i02WS_rms vs Slug



Right In: 163.592+/-0.027 χ^2/NDF: 1660588.8/30

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

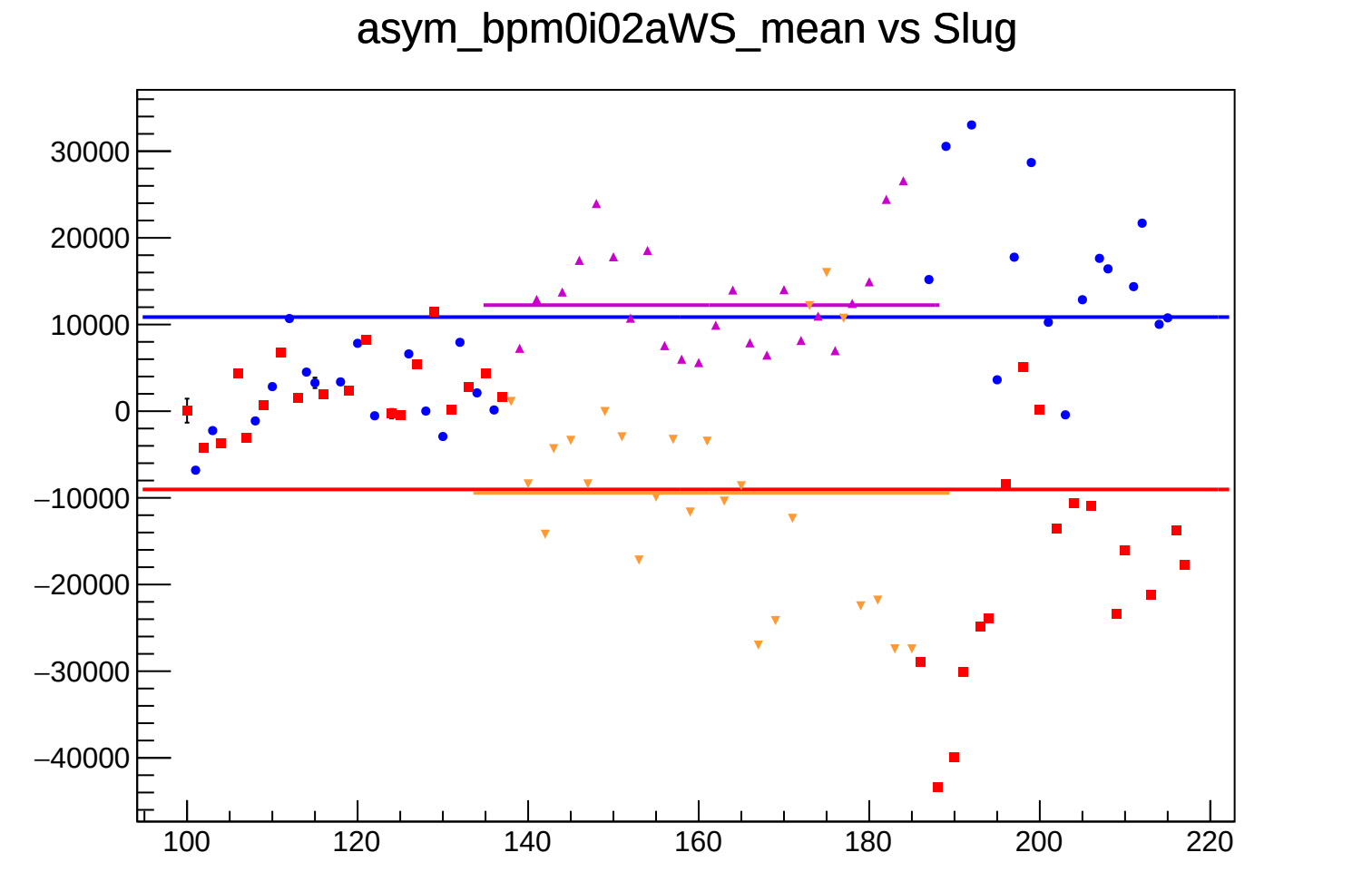
Right Out: 161.760+/-0.026 χ^2/NDF: 2117564.2/35

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

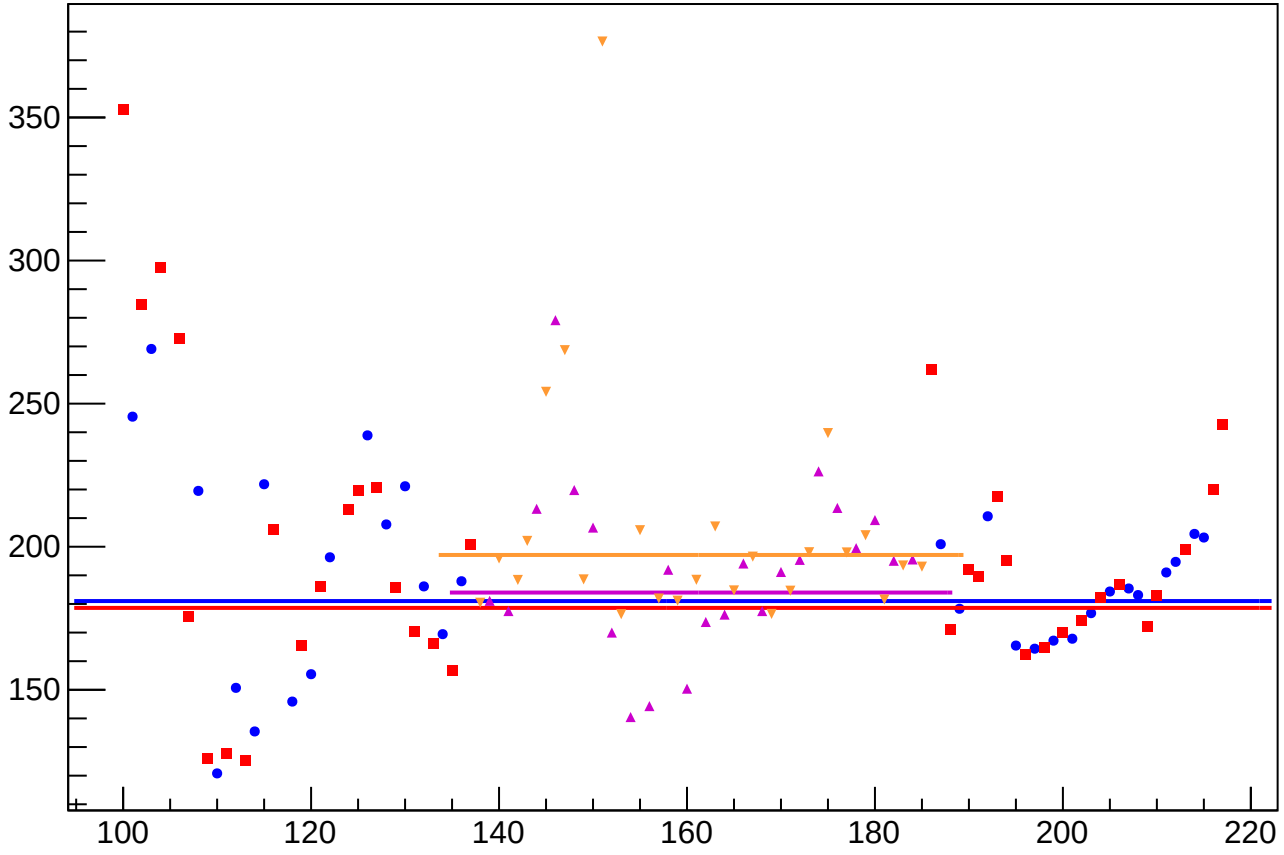
+ sign 168.724+/-0.020 χ^2/NDF: 3395760.4/55

All: 168.326+/-0.014 χ^2/NDF: 7011808.7/114

- sign 167.932+/-0.020 χ^2/NDF: 3615245.1/58


asym_bpm0i02aWS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 10858.808+/-41.986 χ²/NDF: 56817.9/30
Left Out: -9420.181+/-45.698 χ²/NDF:64719.0/24
Right Out: -9028.540+/-40.318 χ²/NDF: 119882.2/35
Left In: 12238.678+/-44.195 χ²/NDF:16015.8/22
+ sign 1576.266+/-30.918 χ²/NDF: 228320.9/55
All: 1086.274+/-21.451 χ²/NDF: 491086.6/11
- sign 631.505+/-29.786 χ²/NDF: 262281.4/58

asym_bpm0i02aWS_rms vs Slug



Right In: 181.014+/-0.030 χ^2/NDF: 835574.4/30

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 178.623+/-0.029 χ^2/NDF: 1419329.2/35

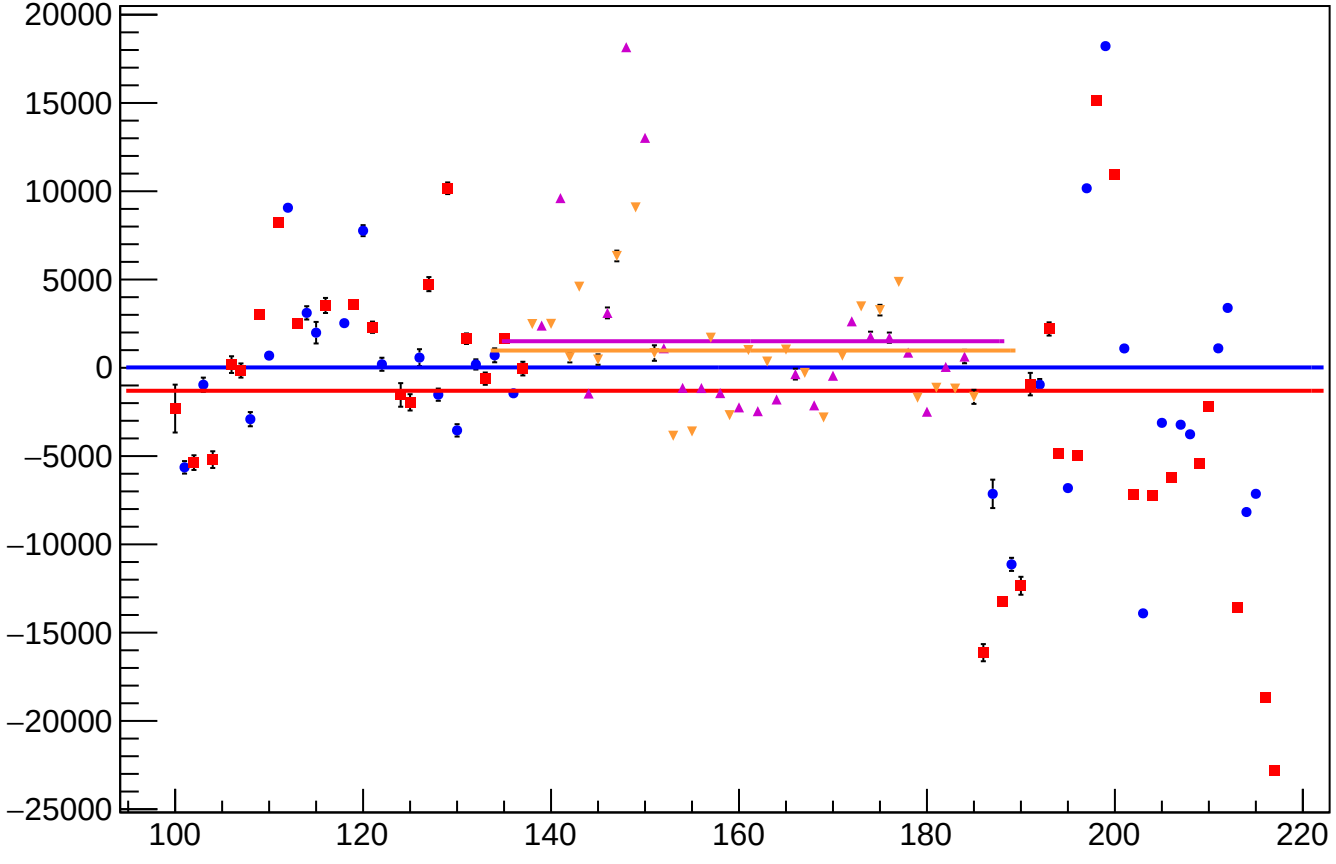
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.387+/-0.022 χ^2/NDF: 1702860.3/55

All: 184.586+/-0.015 χ^2/NDF: 4026322.9/114

- sign 181.059+/-0.021 χ^2/NDF: 2265178.6/58

asym_bpm0i05WS_mean vs Slug



Right In: 21.514+/-47.127 χ^2/NDF: 23873.1/30

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1300.827+/-45.310 χ^2/NDF: 35397.5/35

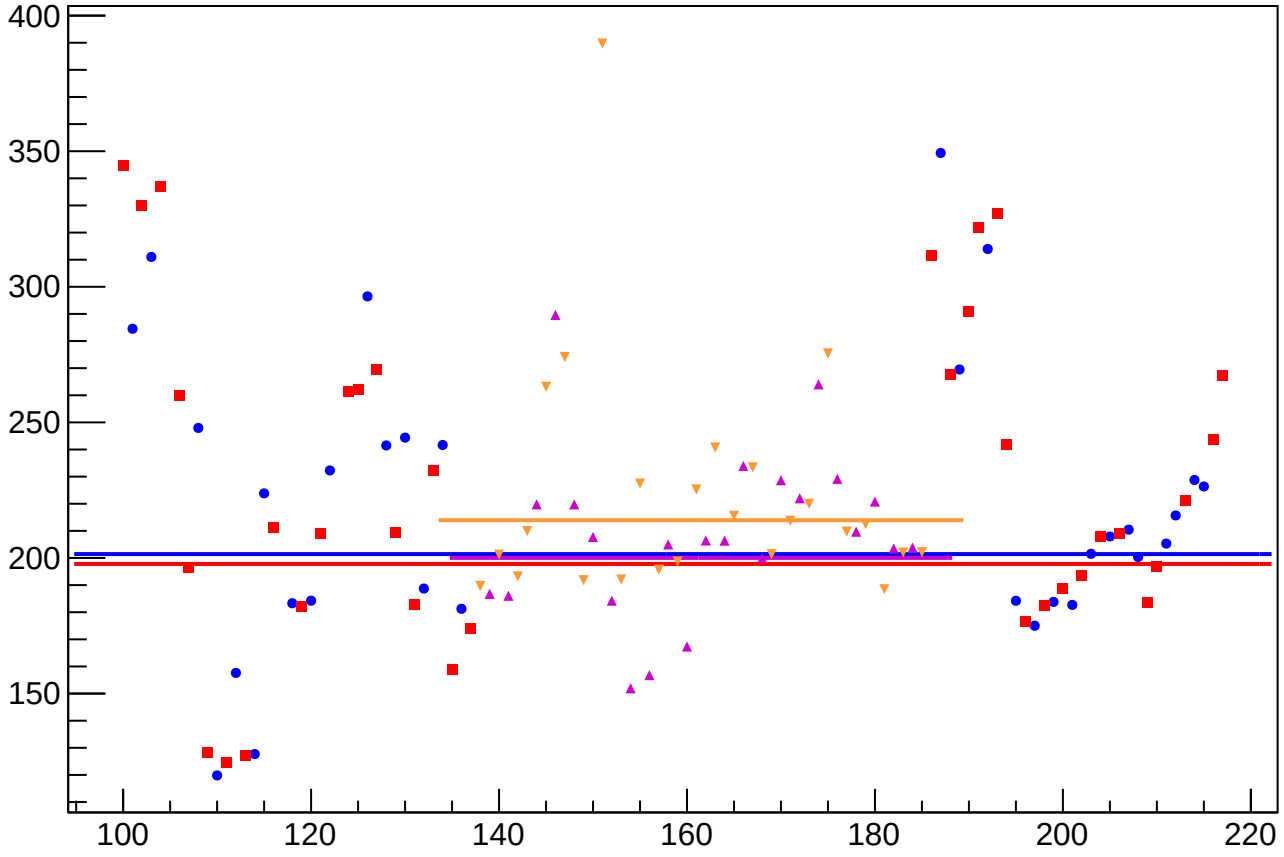
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 475.454+/-34.167 χ^2/NDF: 28391.6/55

All: 239.491+/-23.723 χ^2/NDF: 77166.7/114

- sign 19.831+/-32.965 χ^2/NDF: 48683.1/58

asym_bpm0i05WS_rms vs Slug



Right In: 201.436+/-0.033 χ^2/NDF: 1516221.0/30

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 197.800+/-0.032 χ^2/NDF: 2469069.9/35

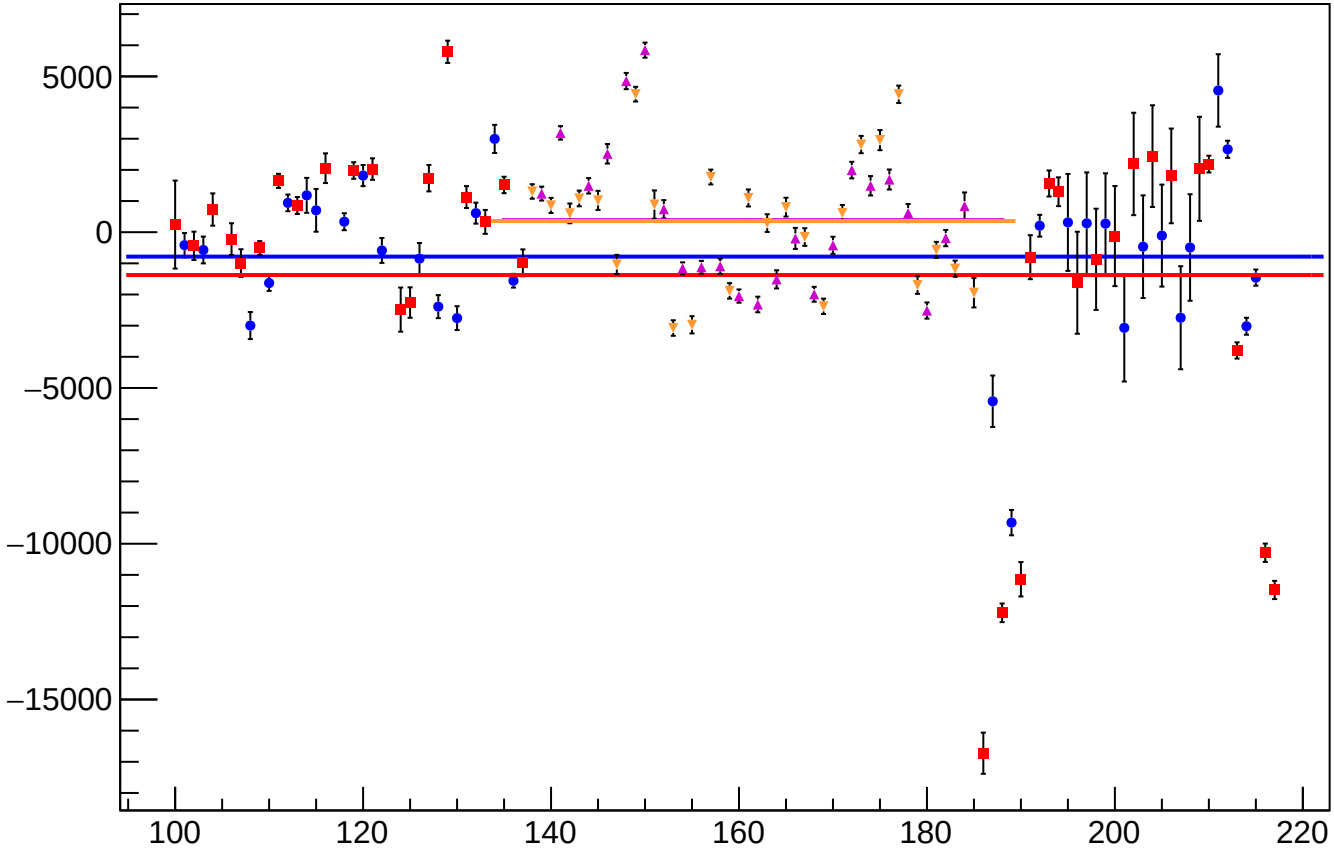
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 207.363+/-0.024 χ^2/NDF: 2316561.2/55

All: 202.954+/-0.017 χ^2/NDF: 5637739.9/114

- sign 198.850+/-0.023 χ^2/NDF: 3256875.7/58

asym_bpm0i07WS_mean vs Slug



Right In: -783.966+/-71.793 χ^2/NDF: 1054.0/30

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1374.849+/-65.072 χ^2/NDF: 5891.5/35

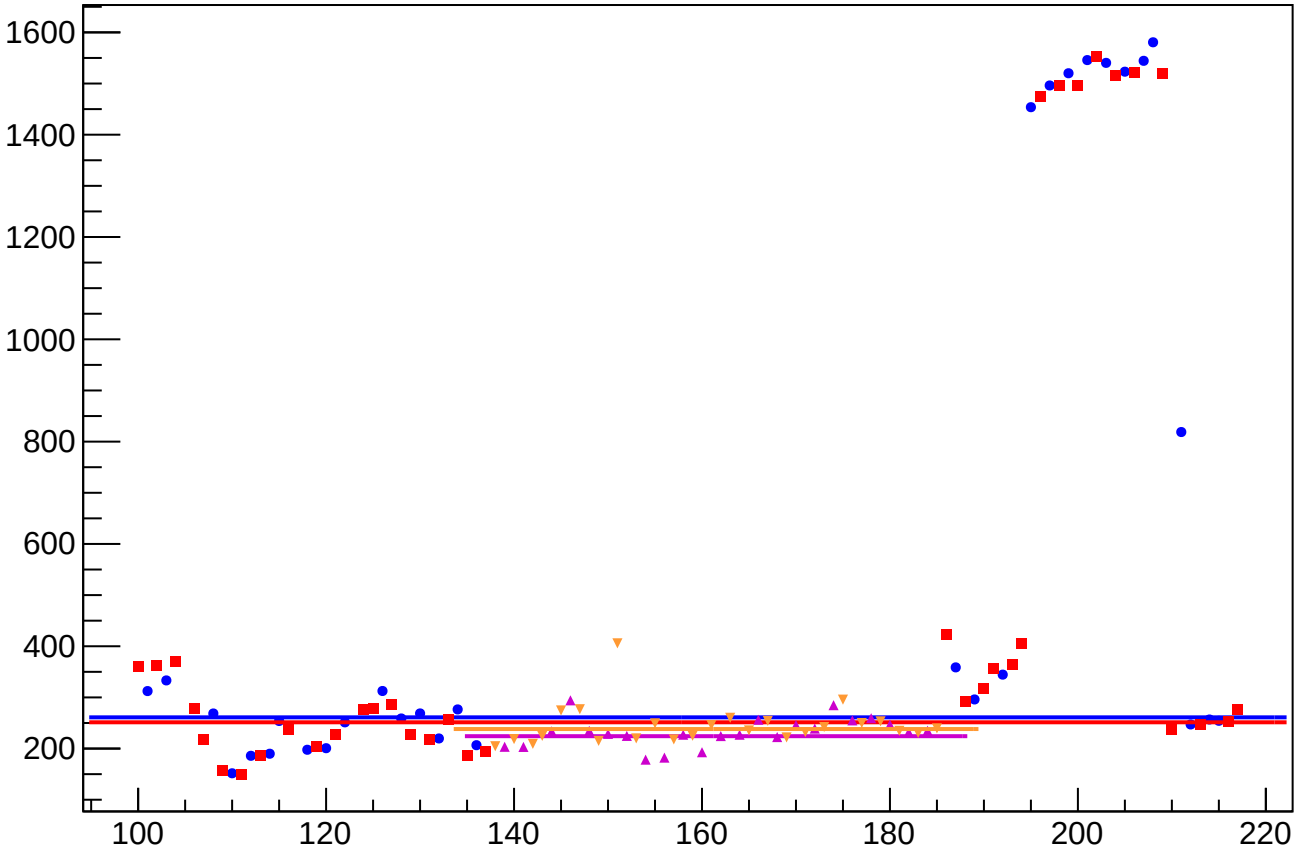
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -63.836+/-43.656 χ^2/NDF: 2632.5/55

All: -201.052+/-30.017 χ^2/NDF: 10784.1/114

- sign -324.087+/-41.339 χ^2/NDF: 8132.8/58

asym_bpm0i07WS_rms vs Slug



Right In: 261.040+/-0.051 χ^2/NDF: 11061109.2/30

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.365+/-0.046 χ^2/NDF: 10545575.5/35

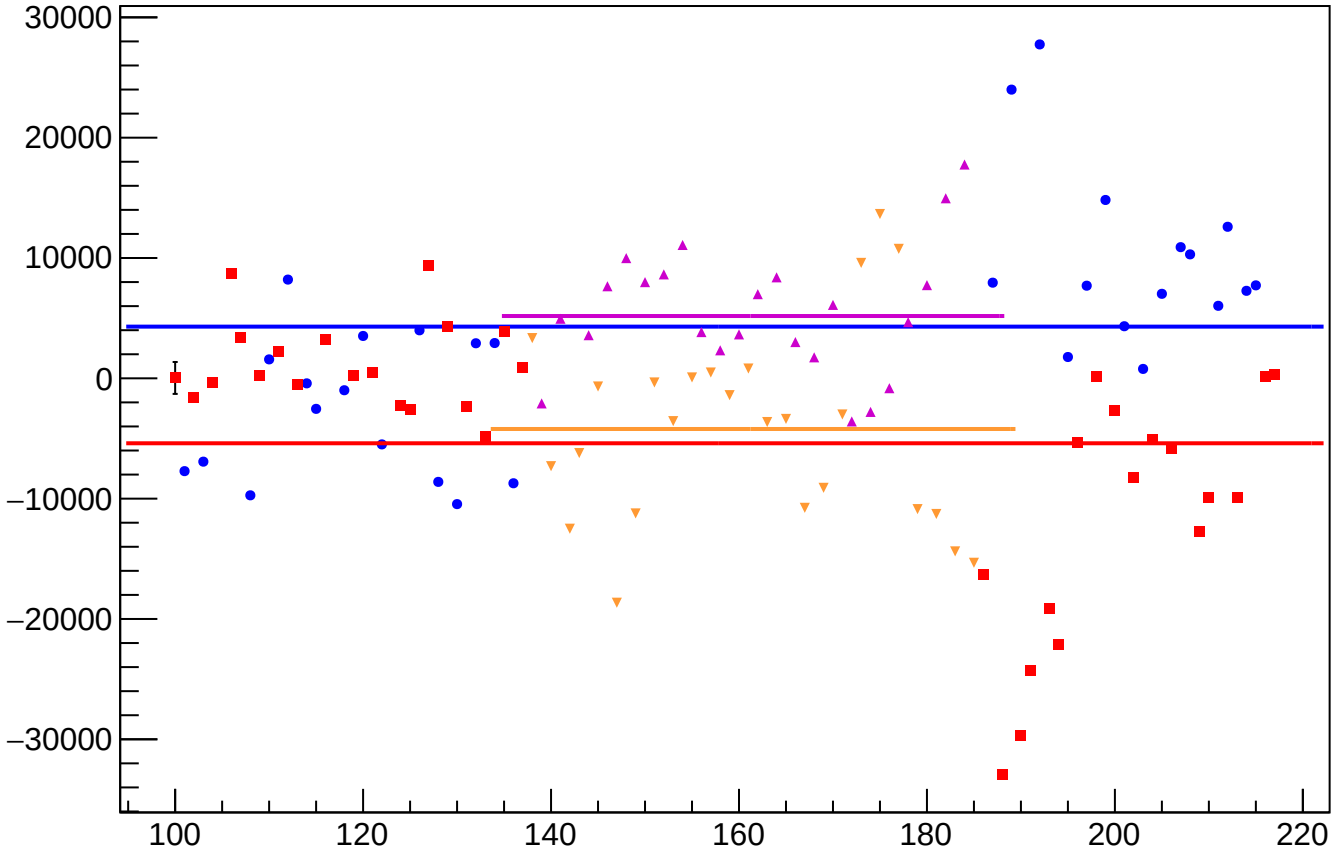
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.645+/-0.031 χ^2/NDF: 11756626.6/55

All: 240.595+/-0.021 χ^2/NDF: 23145985.1/11

- sign 235.171+/-0.029 χ^2/NDF: 11316511.2/58

asym_bpm1i02WS_mean vs Slug



Right In: 4296.754+/-32.692 χ^2/NDF: 82067.2/30

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5397.716+/-31.158 χ^2/NDF: 107251.7/35

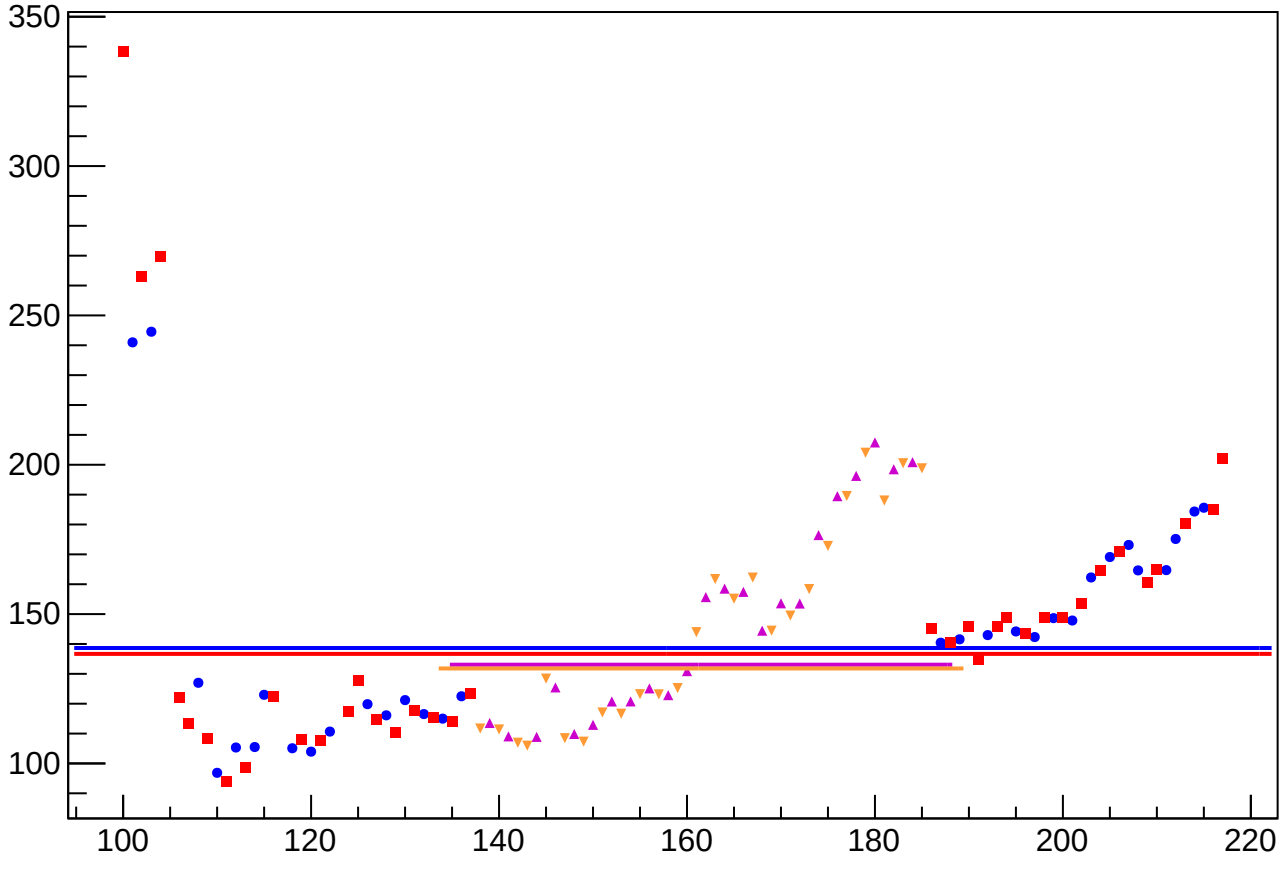
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

\+ sign -206.338+/-22.429 χ^2/NDF: 174714.1/55

All: -226.138+/-15.819 χ^2/NDF: 356635.0/11

\- sign -245.735+/-22.313 χ^2/NDF: 181919.4/58

asym_bpm1i02WS_rms vs Slug



Right In: 138.649+/-0.023 χ^2/NDF: 1670189.0/30

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 136.679+/-0.022 χ^2/NDF: 1985478.4/35

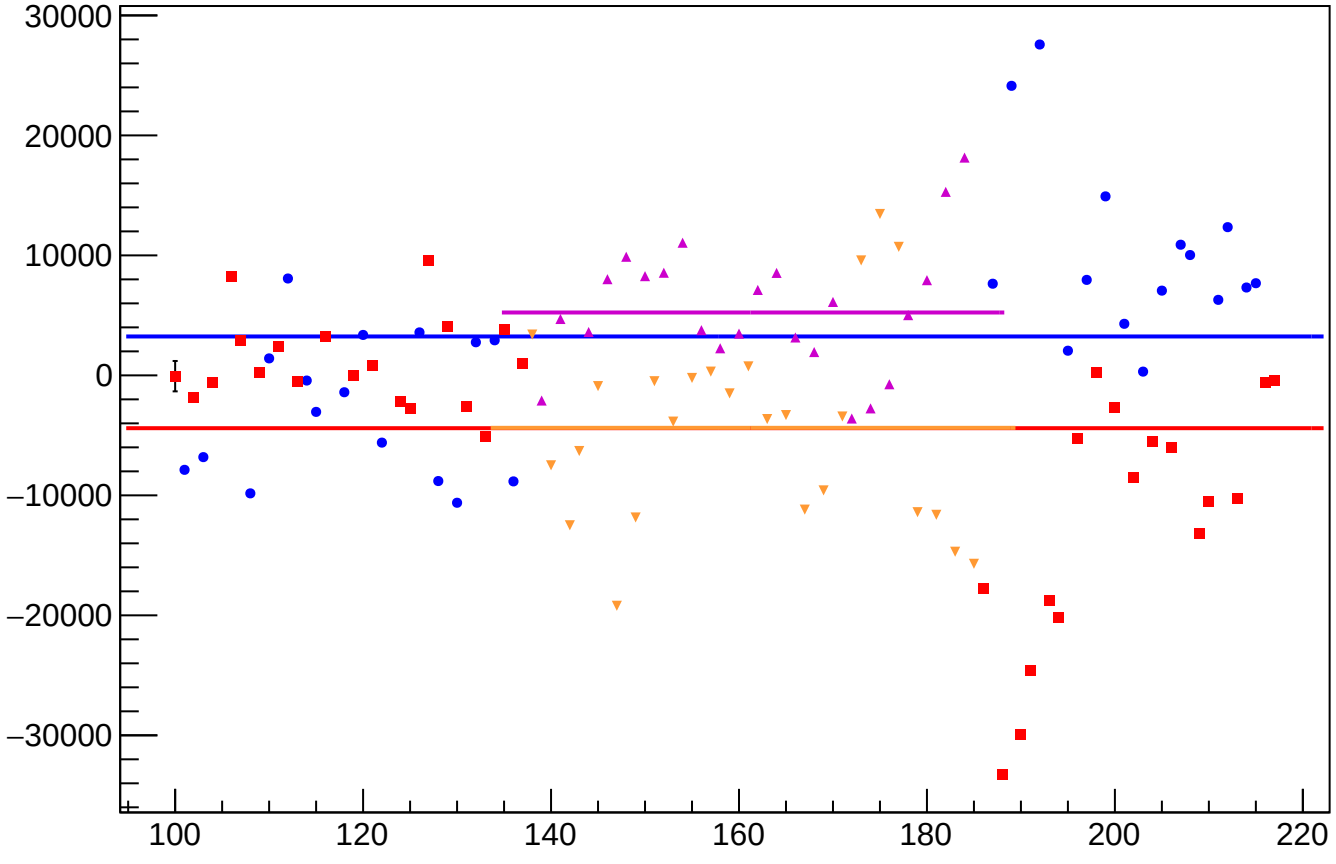
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 135.022+/-0.016 χ^2/NDF: 3261023.7/55

All: 134.969+/-0.011 χ^2/NDF: 6677913.8/114

- sign 134.917+/-0.016 χ^2/NDF: 3416867.9/58

asym_bpm1i04WS_mean vs Slug



Right In: 3242.449+/-29.471 χ^2/NDF: 92978.5/30

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4402.264+/-28.247 χ^2/NDF: 117027.3/35

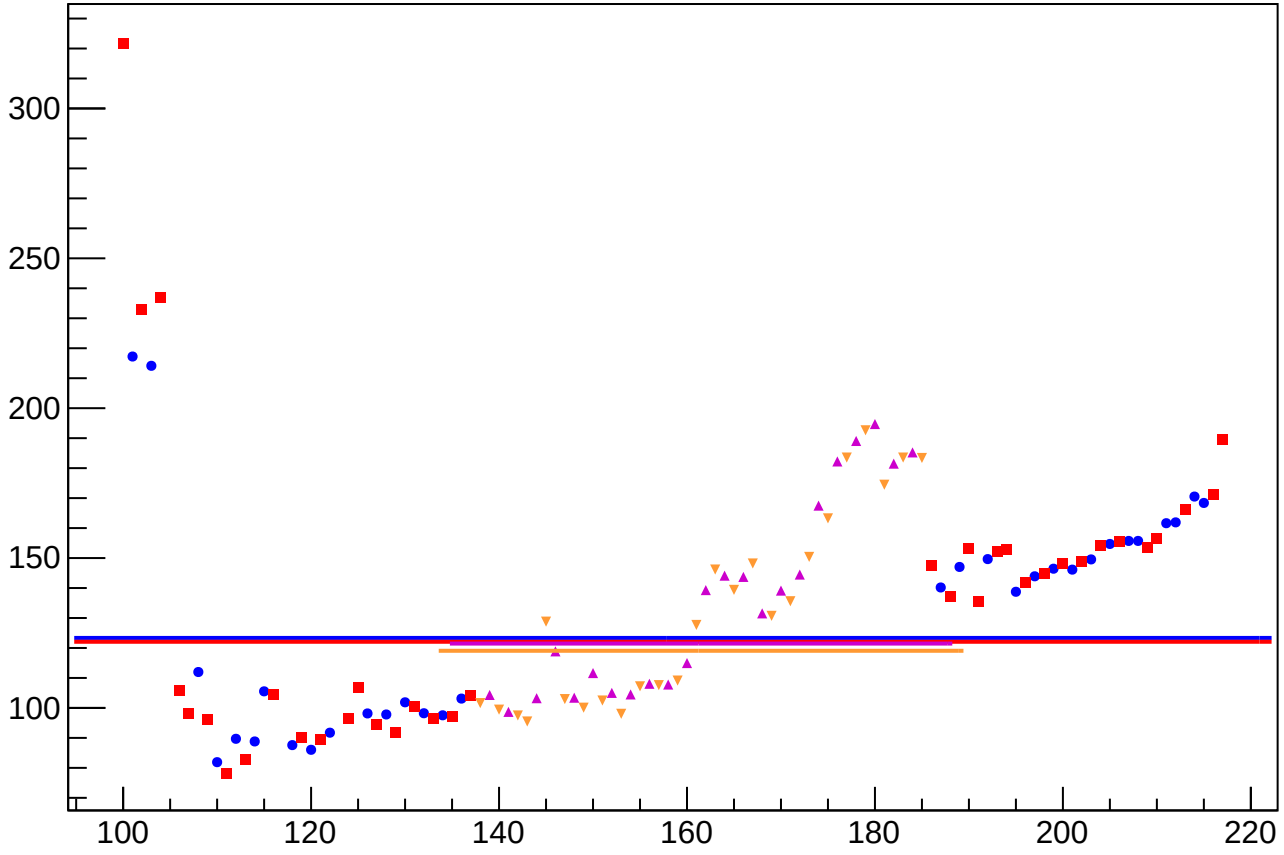
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -766.036+/-20.282 χ^2/NDF: 195342.1/55

All: -258.800+/-14.355 χ^2/NDF: 392120.2/11

- sign 250.304+/-20.319 χ^2/NDF: 195524.9/58

asym_bpm1i04WS_rms vs Slug



Right In: 123.354+/-0.021 χ^2/NDF: 2477120.4/30

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 122.073+/-0.020 χ^2/NDF: 2959085.4/35

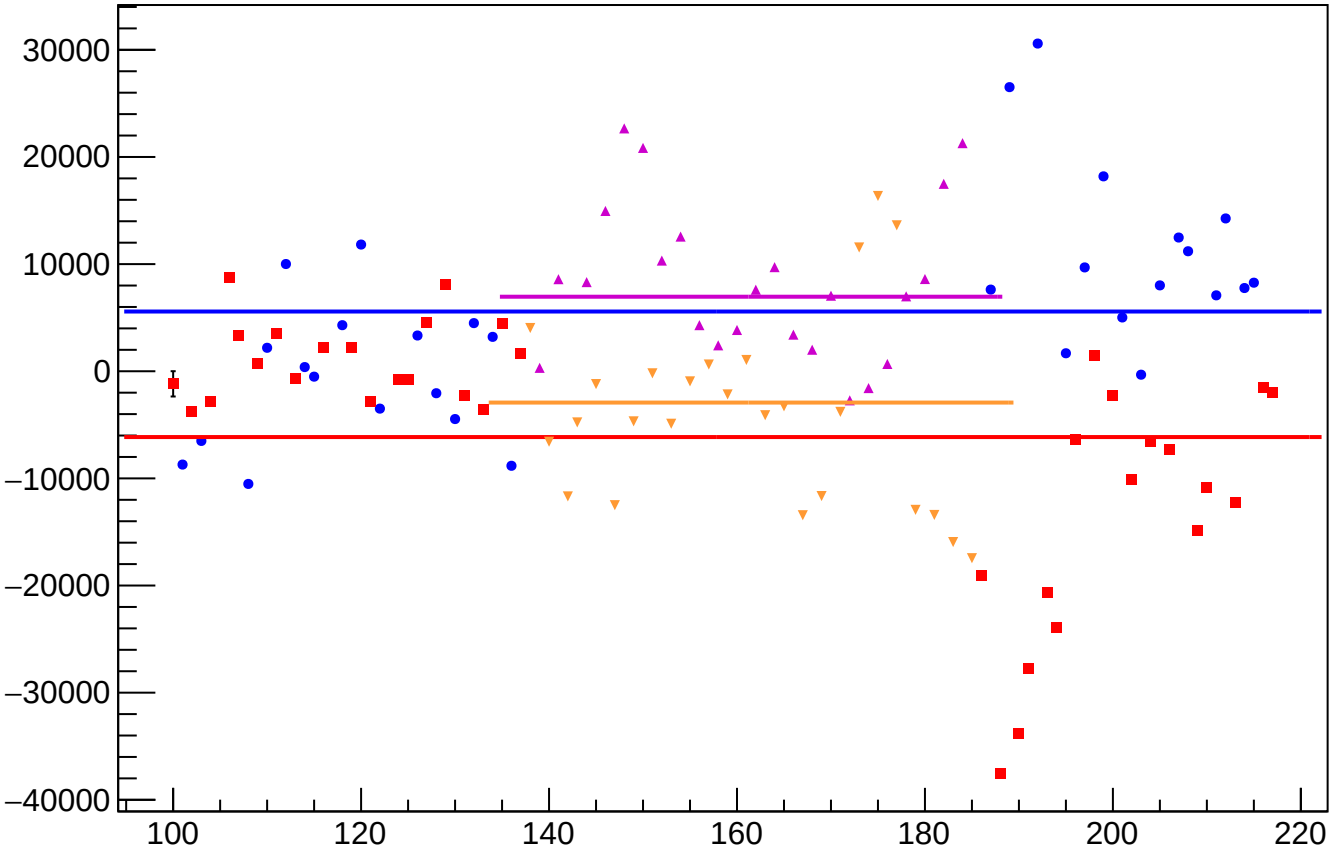
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 121.096+/-0.014 χ^2/NDF: 4254851.5/55

All: 121.438+/-0.010 χ^2/NDF: 8744899.6/114

- sign 121.781+/-0.014 χ^2/NDF: 4488908.5/58

asym_bpm1i06WS_mean vs Slug



Right In: 5575.090+/-38.590 χ^2/NDF: 65070.1/30

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6142.165+/-37.031 χ^2/NDF: 96061.5/35

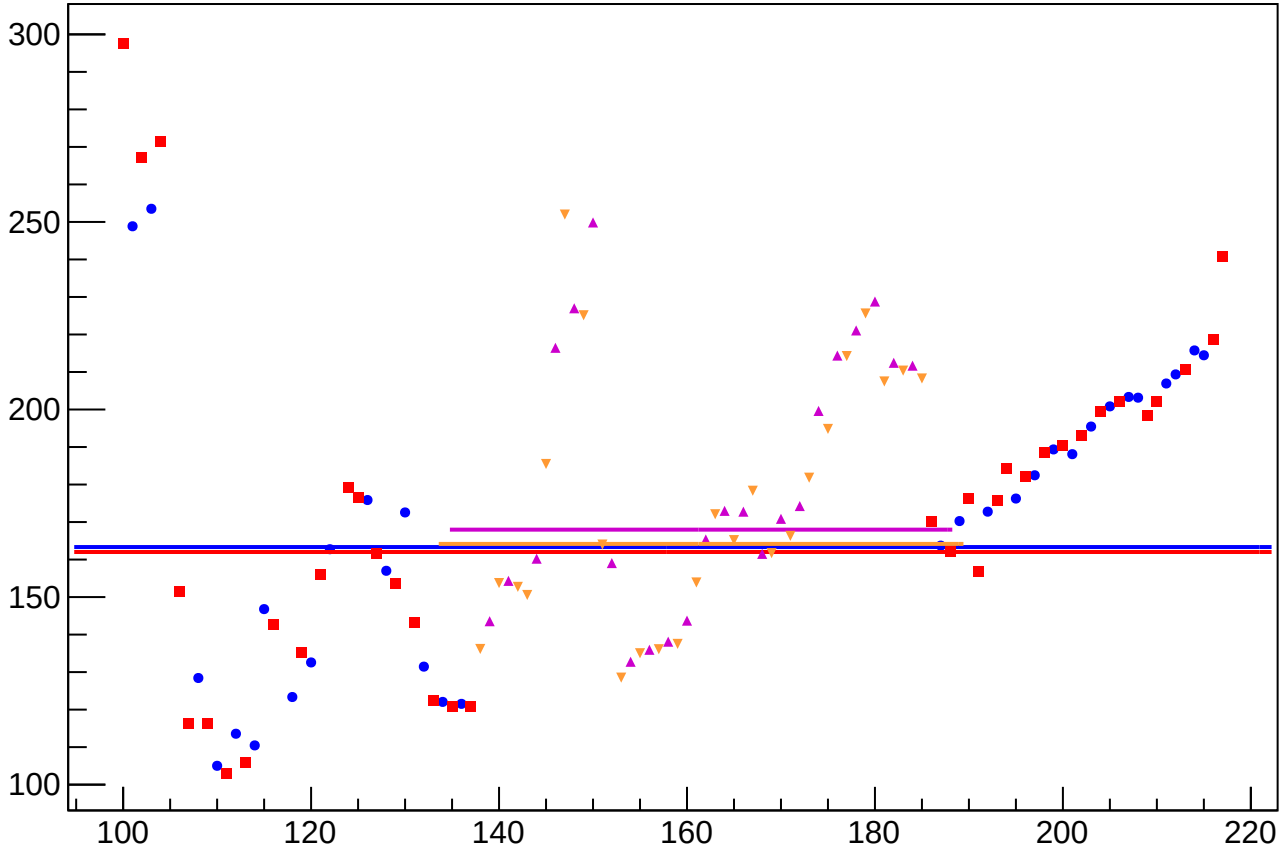
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 1281.214+/-27.143 χ^2/NDF: 127626.2/55

All: 575.145+/-19.231 χ^2/NDF: 304753.7/114

- sign -136.532+/-27.250 χ^2/NDF: 175768.7/58

asym_bpm1i06WS_rms vs Slug



Right In: 163.337+/-0.027 χ^2/NDF: 2005883.2/30

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 162.016+/-0.026 χ^2/NDF: 2304470.3/35

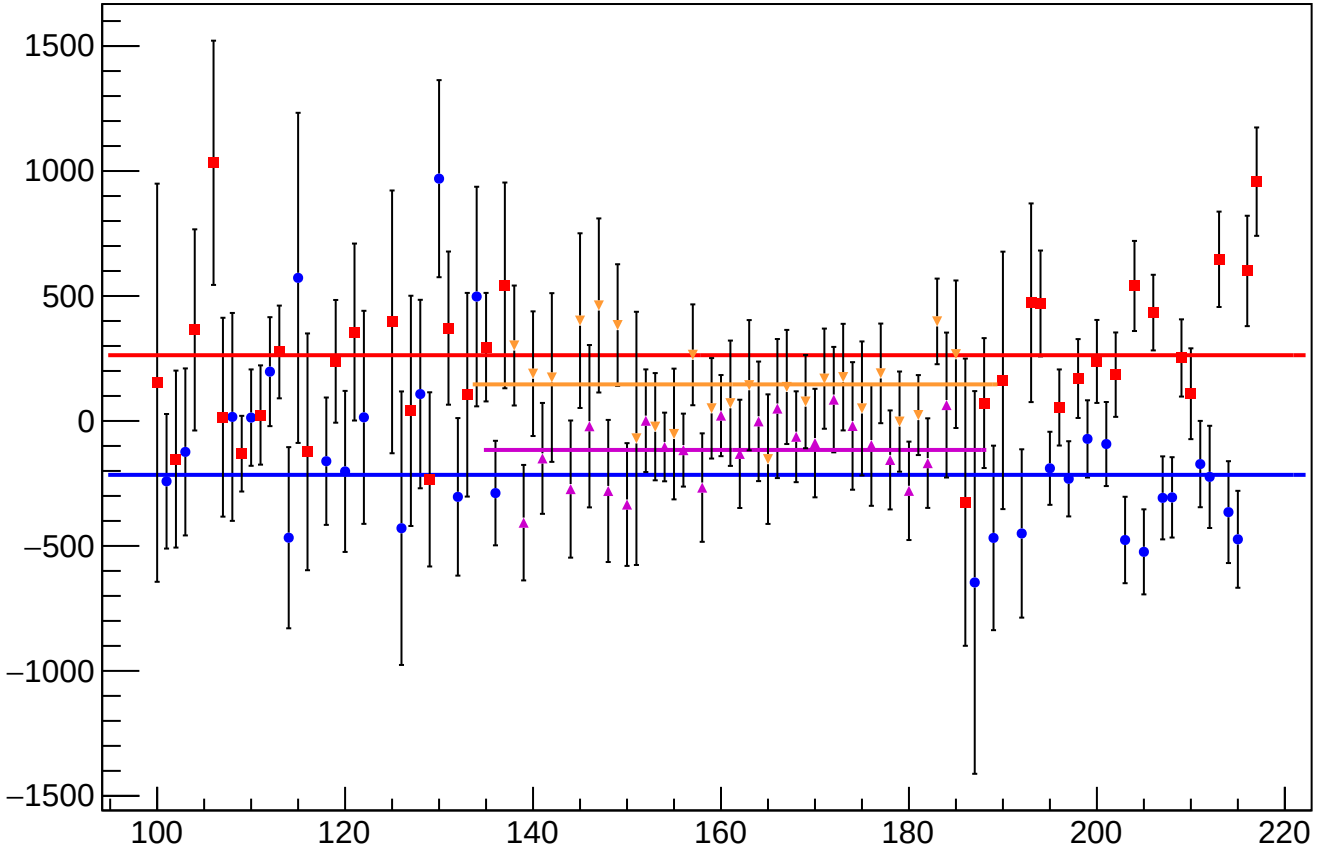
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 163.759+/-0.019 χ^2/NDF: 3230762.5/55

All: 164.252+/-0.014 χ^2/NDF: 6783044.3/114

- sign 164.748+/-0.019 χ^2/NDF: 3550958.4/58

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -215.645+/-40.520 χ^2/NDF: 31.7/30

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 263.072+/-39.701 χ^2/NDF: 42.7/33

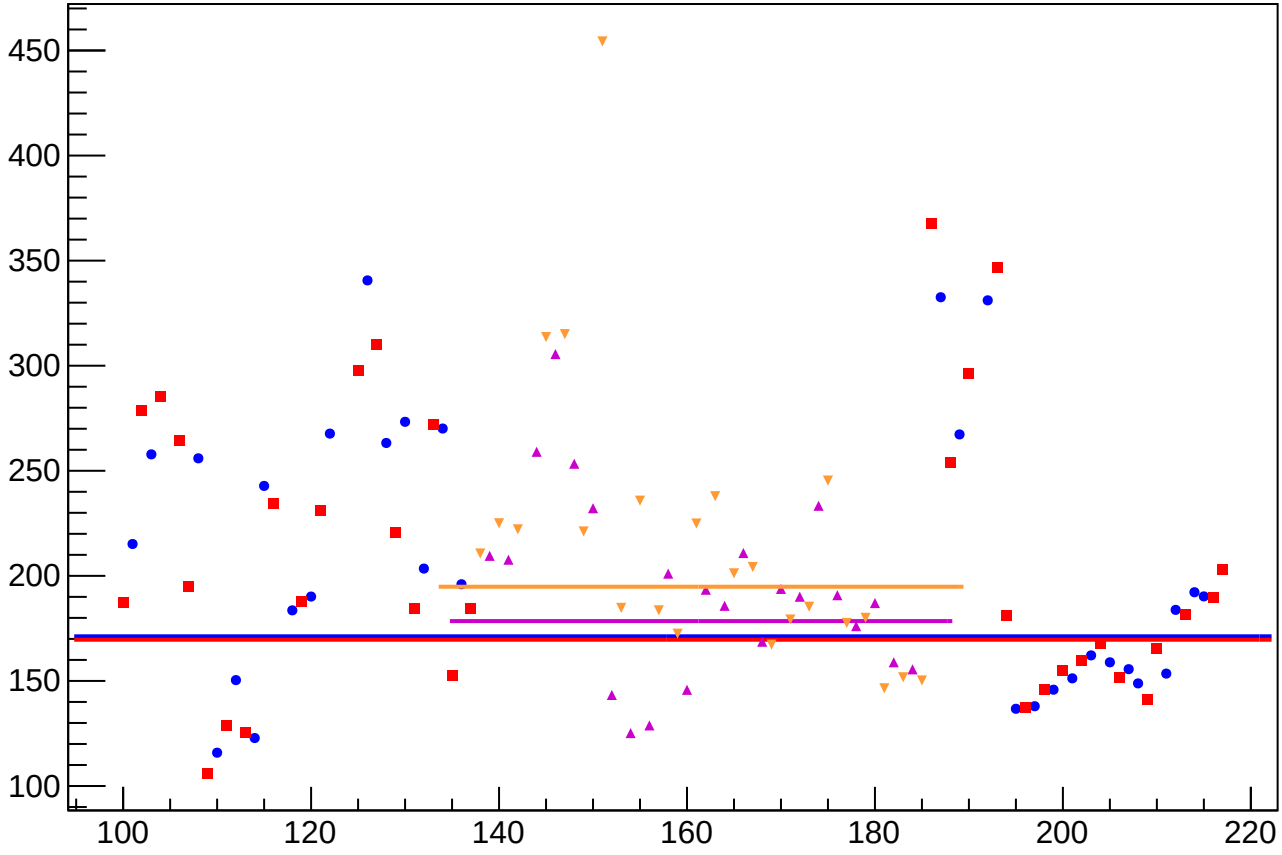
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -61.035+/-30.670 χ^2/NDF: 75.7/54

All: 18.449+/-21.207 χ^2/NDF: 180.2/111

- sign 91.272+/-29.356 χ^2/NDF: 91.7/56

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 171.234+/-0.029 χ^2/NDF: 2330422.1/30

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.602+/-0.028 χ^2/NDF: 2891853.6/33

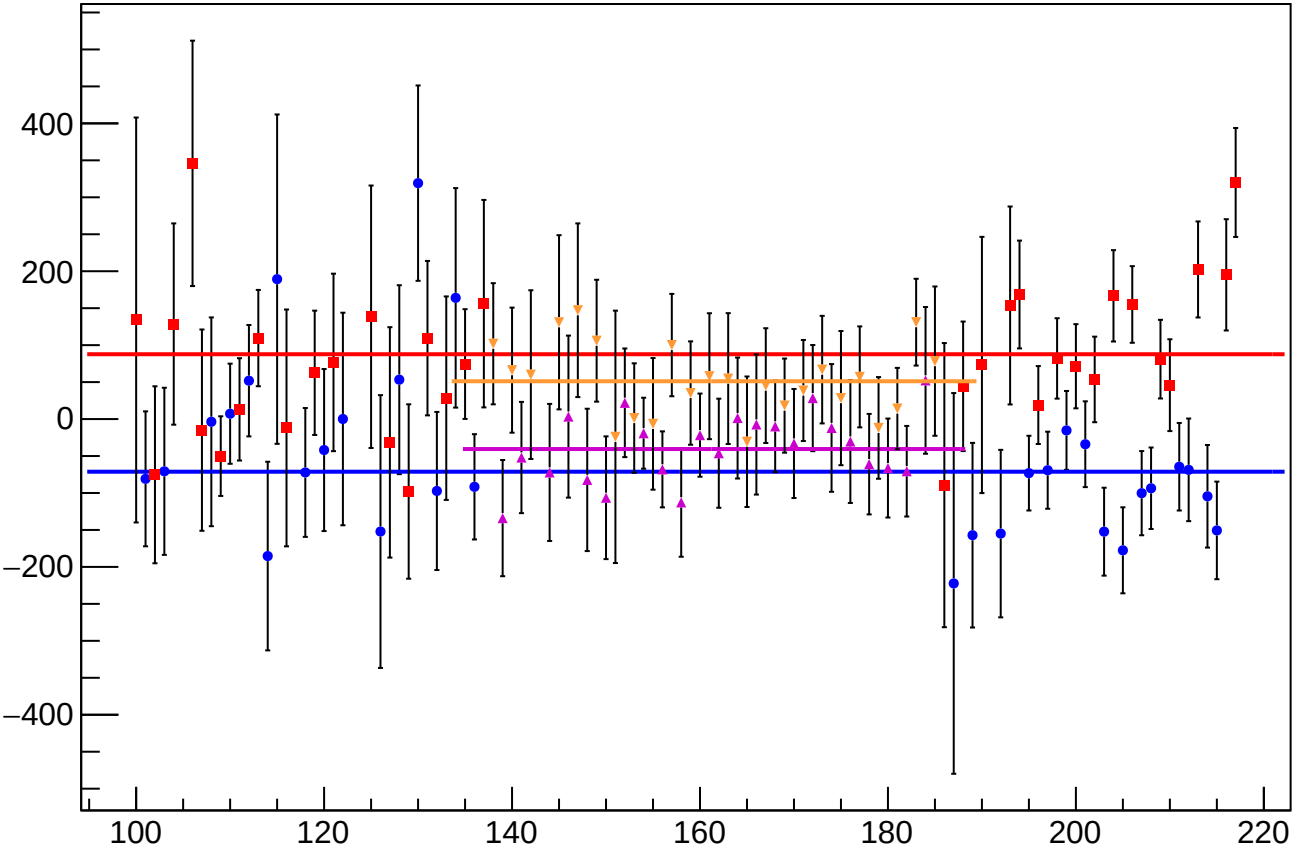
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 181.311+/-0.022 χ^2/NDF: 4372532.7/54

All: 177.299+/-0.015 χ^2/NDF: 9051512.6/11

- sign 173.624+/-0.021 χ^2/NDF: 4613404.6/56

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -71.213+/-13.900 χ^2/NDF: 29.4/30

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 87.708+/-13.644 χ^2/NDF: 40.5/33

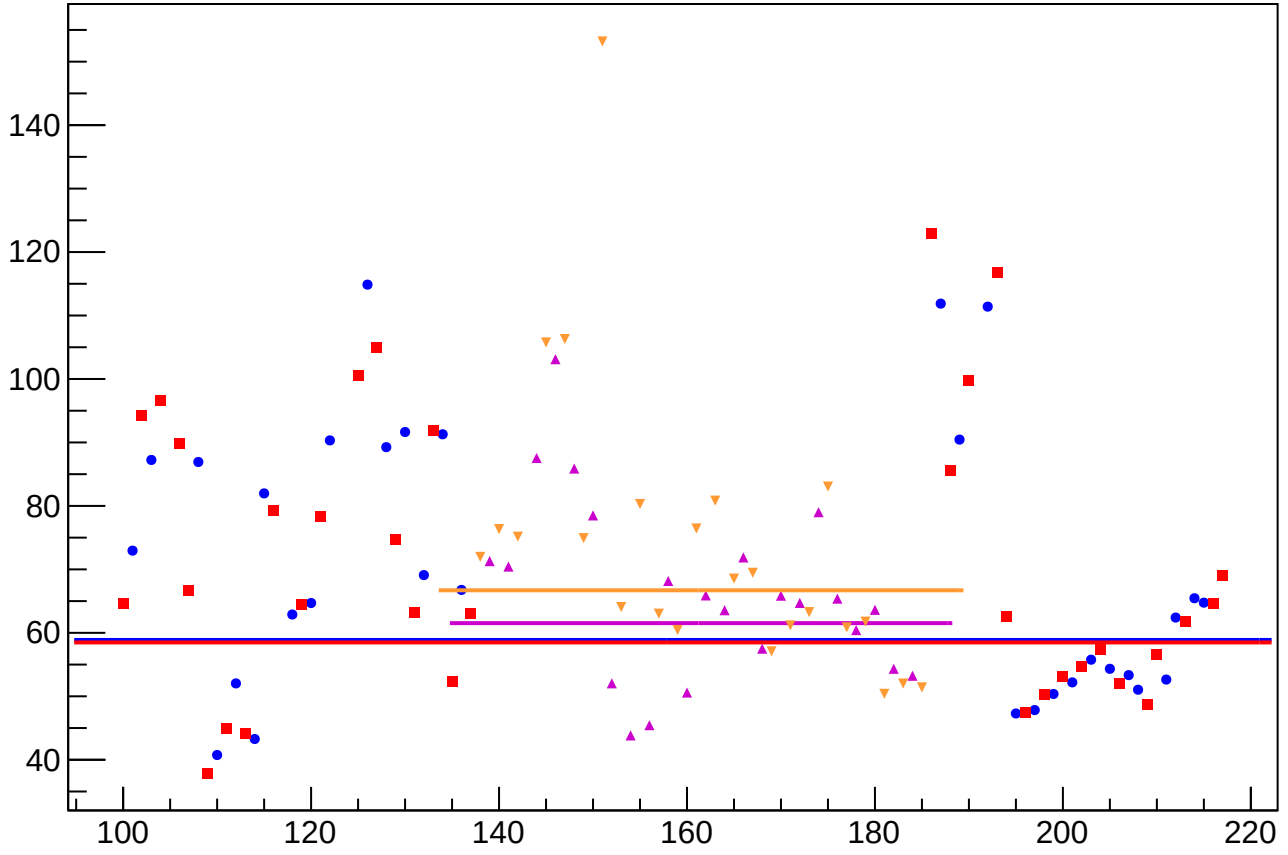
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -18.718+/-10.504 χ^2/NDF: 70.8/54

All: 6.393+/-7.275 χ^2/NDF: 170.2/111

- sign 29.549+/-10.086 χ^2/NDF: 88.4/56

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.877+/-0.010 χ^2/NDF: 2180457.6/30

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.490+/-0.010 χ^2/NDF: 2682998.2/33

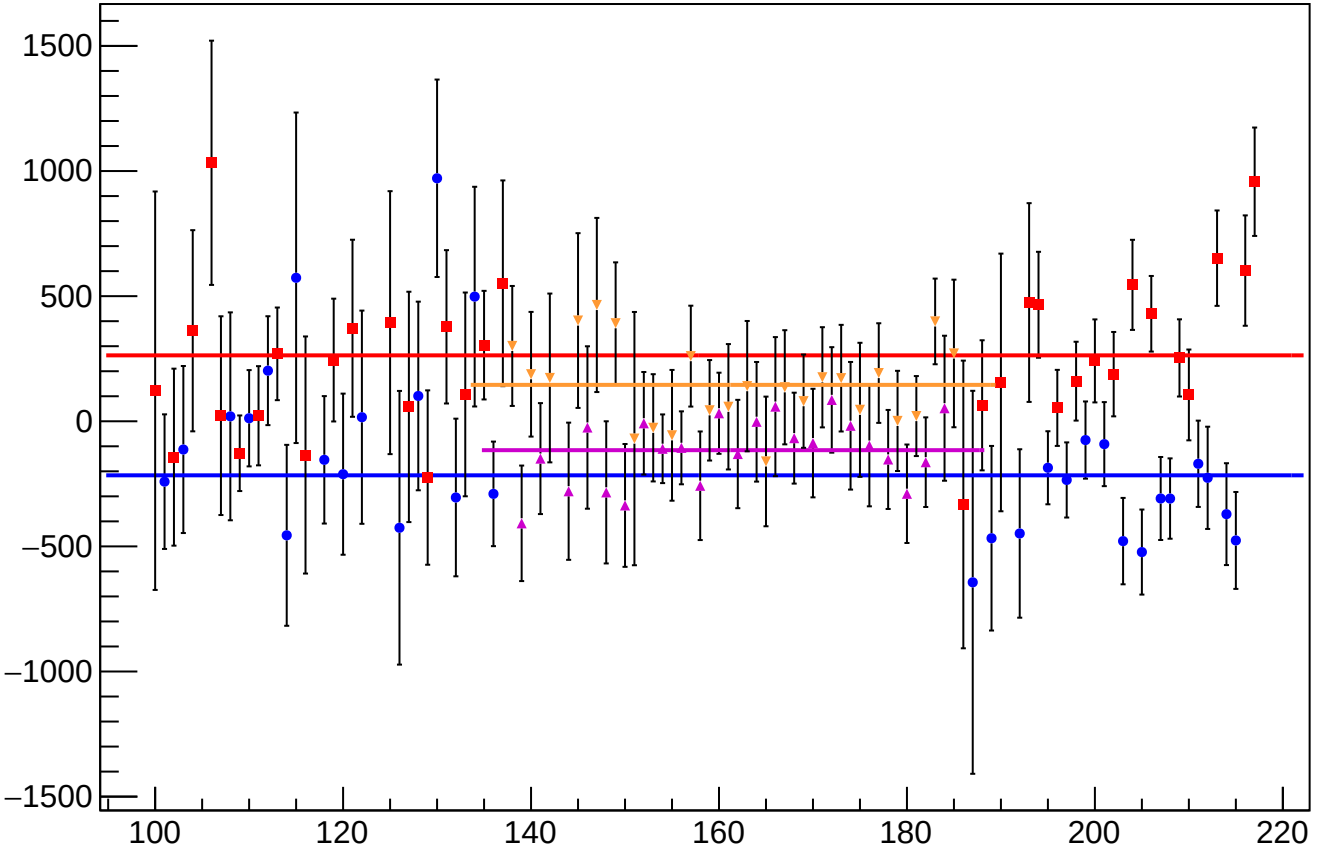
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.234+/-0.007 χ^2/NDF: 4128764.3/54

All: 61.003+/-0.005 χ^2/NDF: 8399427.5/111

- sign 59.868+/-0.007 χ^2/NDF: 4217854.0/56

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -215.999+/-40.469 χ^2/NDF: 31.9/30

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 263.428+/-39.651 χ^2/NDF: 43.0/33

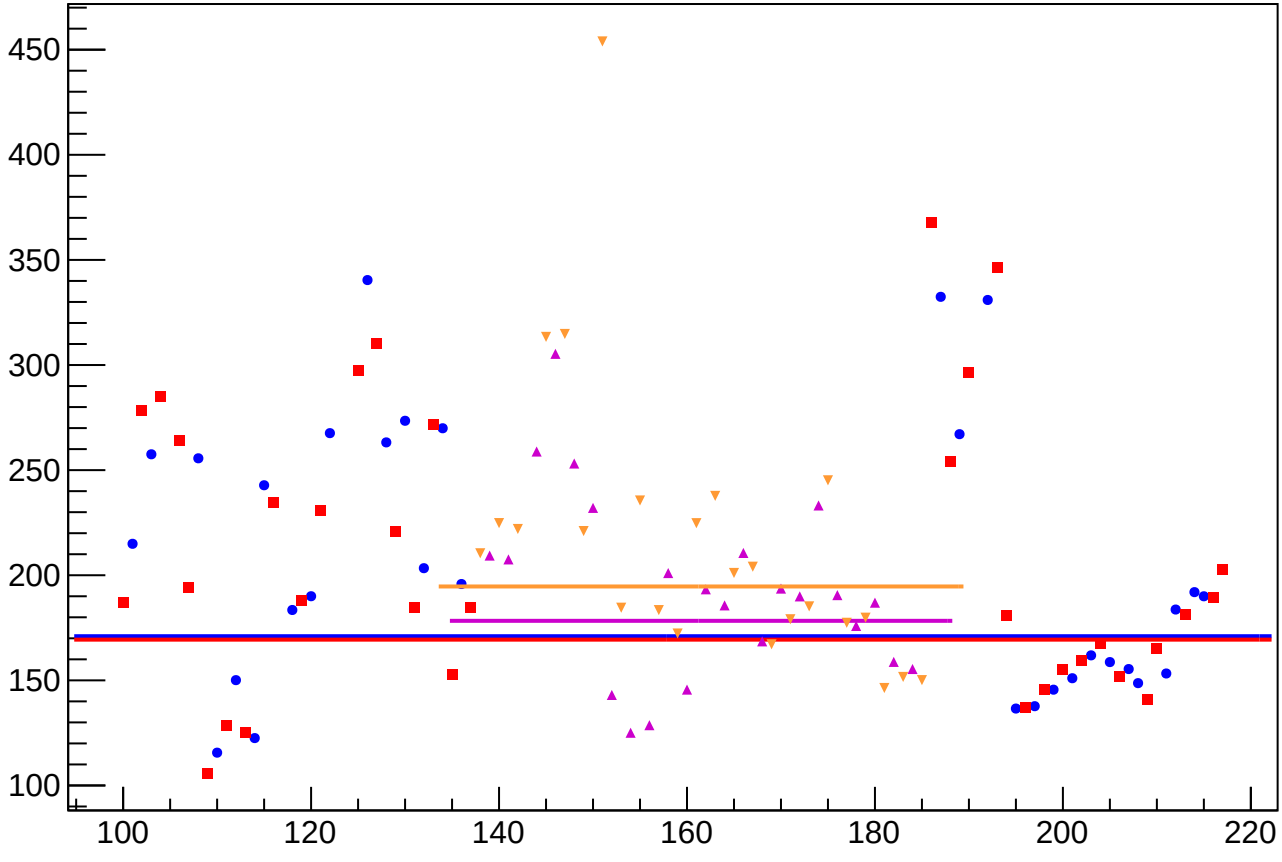
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -61.685+/-30.636 χ^2/NDF: 76.2/54

All: 18.395+/-21.184 χ^2/NDF: 181.4/111

- sign 91.766+/-29.325 χ^2/NDF: 92.1/56

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 171.002+/-0.029 χ^2/NDF: 2337014.5/30

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 169.367+/-0.028 χ^2/NDF: 2900470.4/33

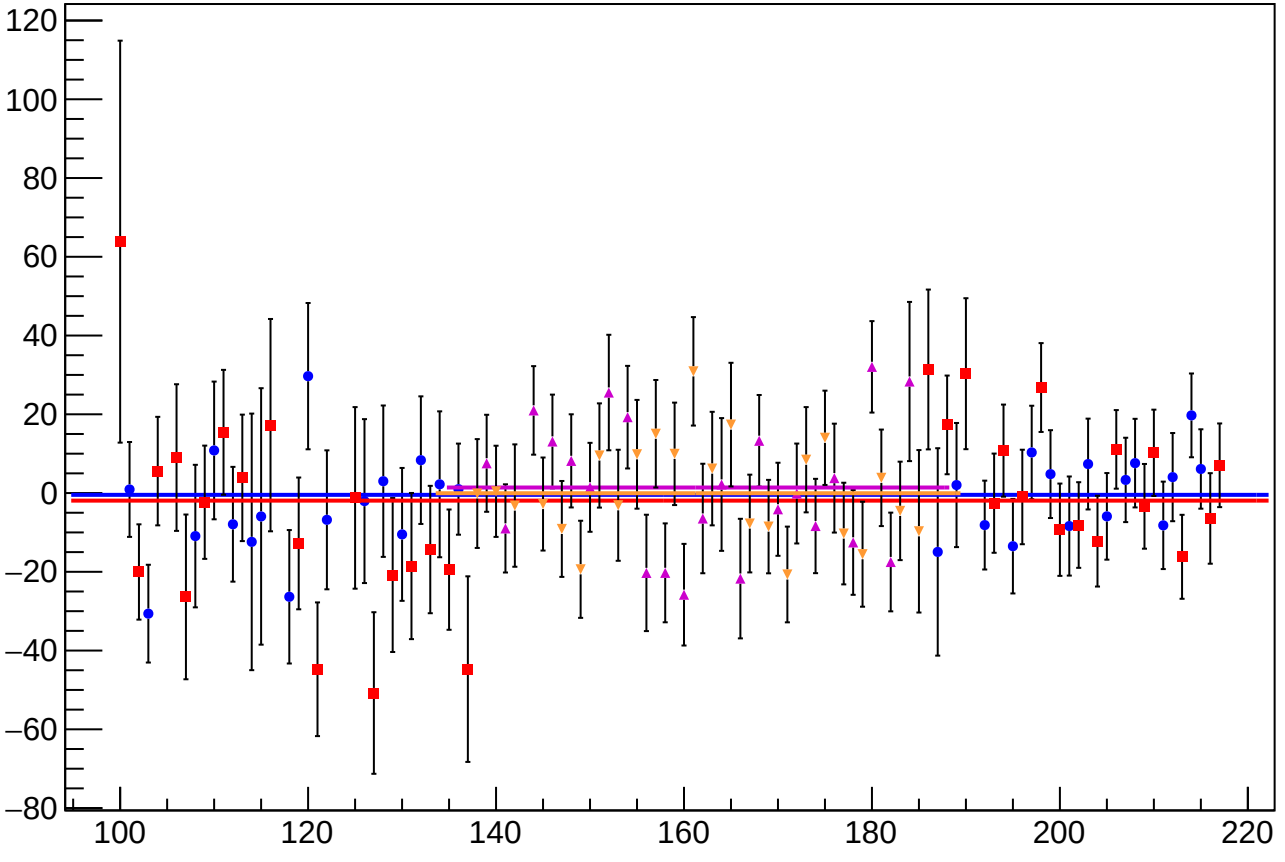
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.101+/-0.022 χ^2/NDF: 4381917.6/54

All: 177.094+/-0.015 χ^2/NDF: 9072462.7/11

- sign 173.422+/-0.021 χ^2/NDF: 4624976.1/56

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -0.457+/-2.443 χ^2/NDF: 22.3/30

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.923+/-2.398 χ^2/NDF: 49.8/33

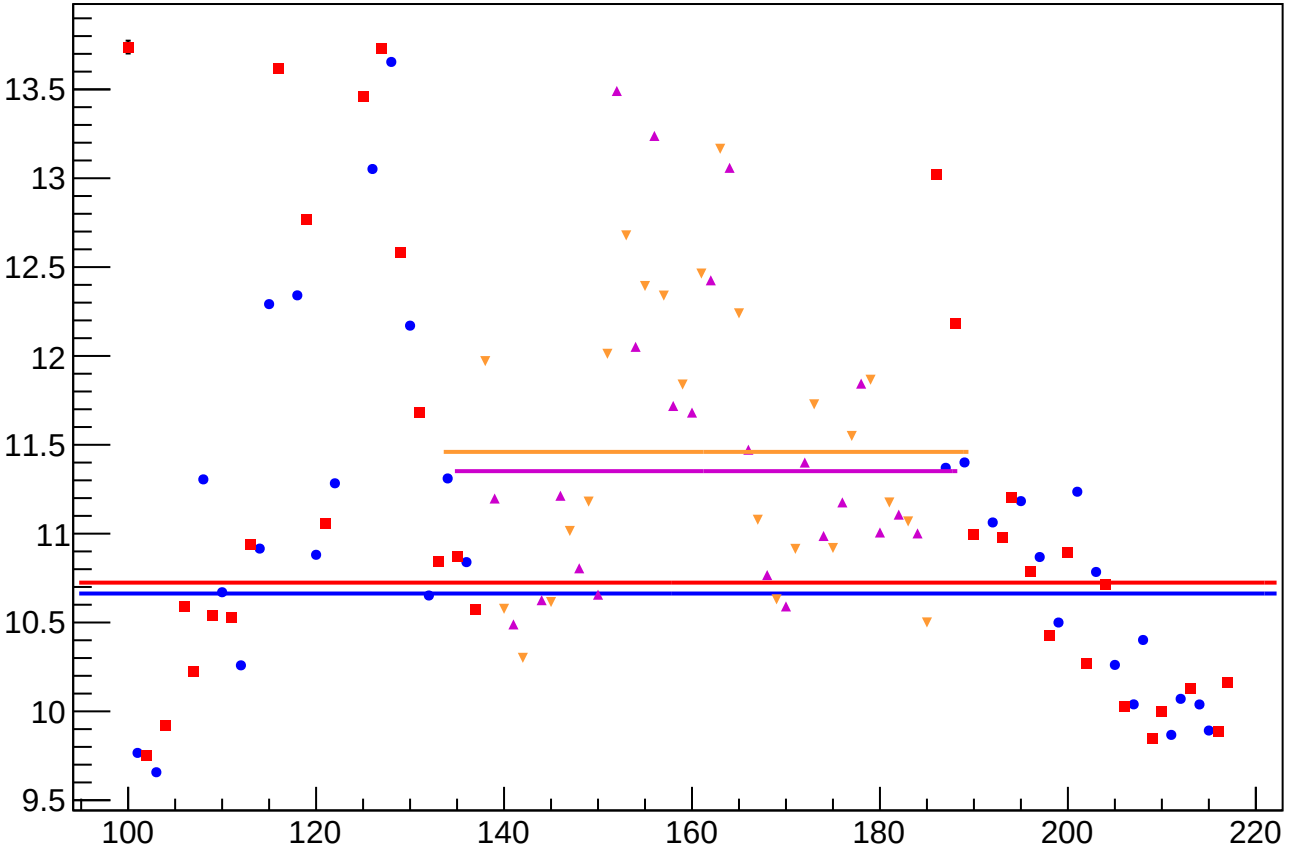
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.271+/-1.807 χ^2/NDF: 42.8/54

All: -0.356+/-1.270 χ^2/NDF: 129.8/111

- sign -0.438+/-1.785 χ^2/NDF: 87.0/56

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.663+/-0.002 χ^2/NDF: 211853.4/30

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.724+/-0.002 χ^2/NDF: 294627.0/33

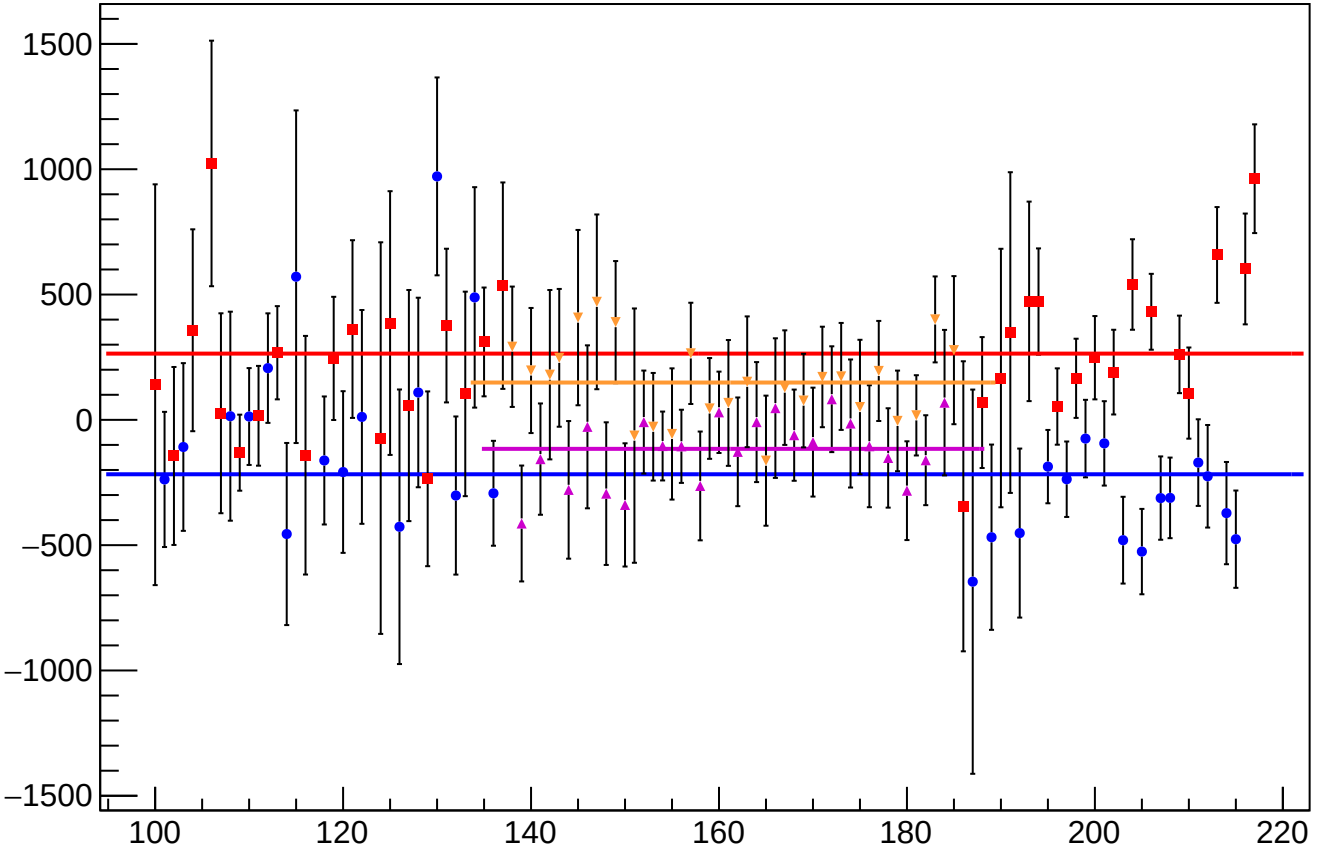
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.024+/-0.001 χ^2/NDF: 458676.3/54

All: 11.014+/-0.001 χ^2/NDF: 985003.4/111

- sign 11.004+/-0.001 χ^2/NDF: 526202.1/56

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -217.111+/-40.570 χ^2/NDF: 31.9/30

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 264.321+/-39.629 χ^2/NDF: 43.3/35

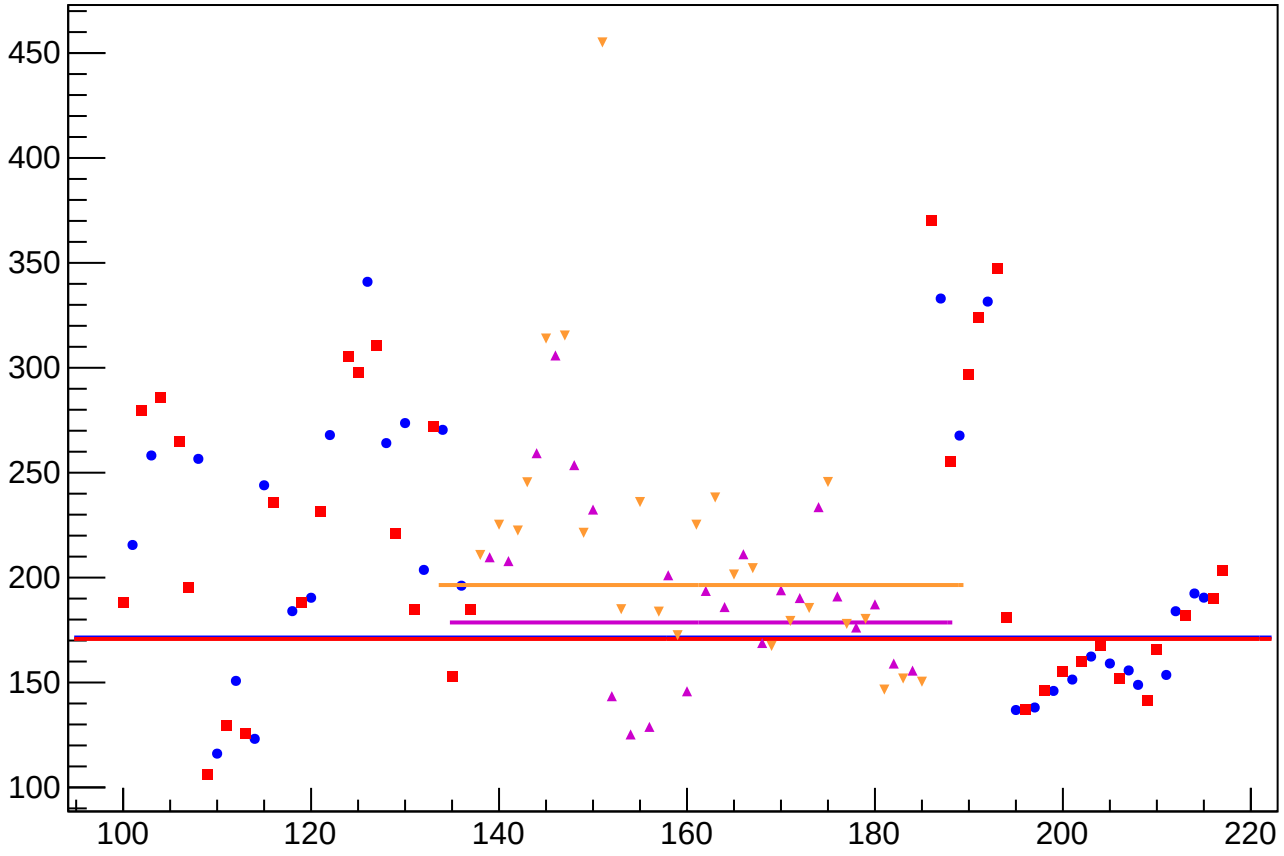
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -58.166+/-30.515 χ^2/NDF: 77.7/55

All: 20.167+/-21.149 χ^2/NDF: 183.0/114

- sign 92.573+/-29.338 χ^2/NDF: 92.6/58

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 171.441+/-0.029 χ^2/NDF: 2332243.7/30

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.764+/-0.028 χ^2/NDF: 3072484.6/35

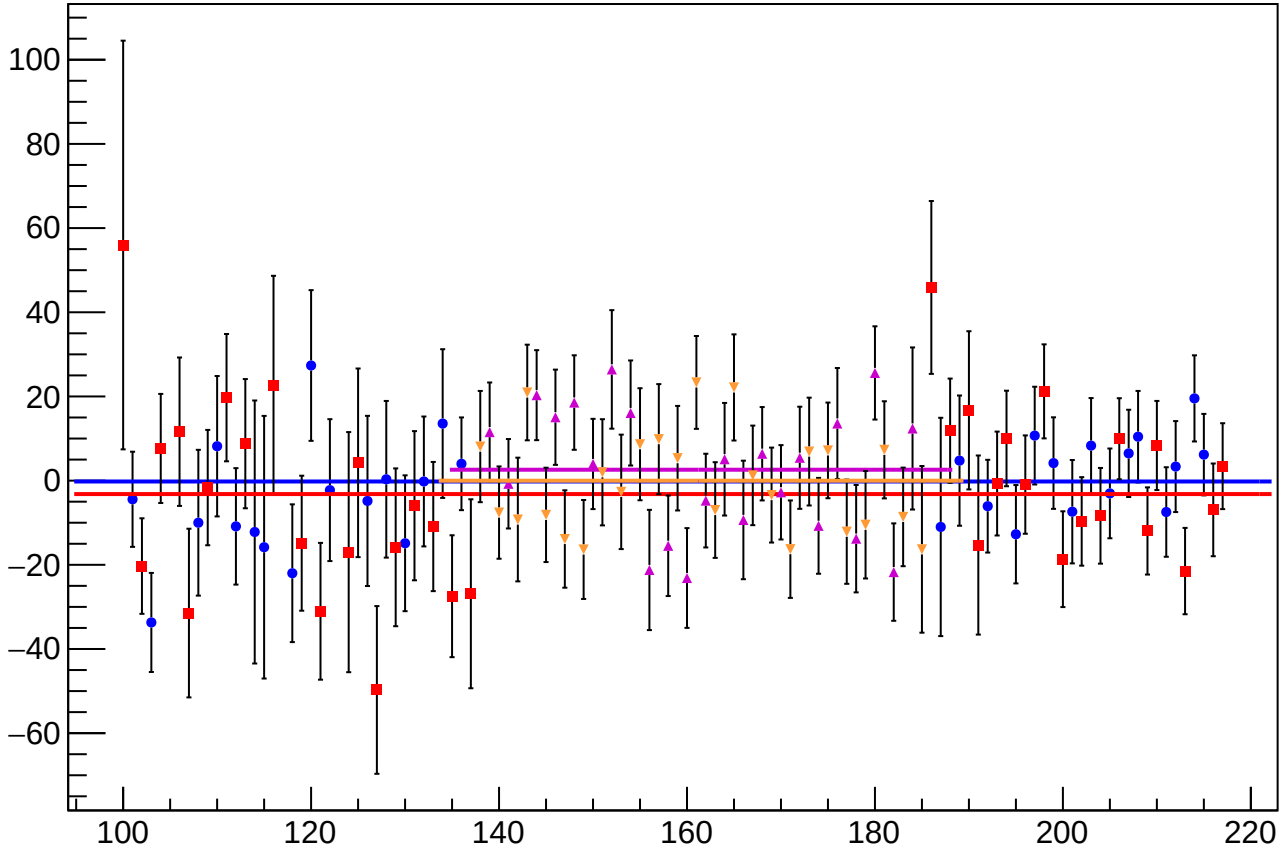
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.303+/-0.022 χ^2/NDF: 4481149.3/55

All: 178.150+/-0.015 χ^2/NDF: 9339237.7/114

- sign 174.312+/-0.021 χ^2/NDF: 4786809.8/58

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -0.204+/-2.356 χ^2/NDF: 25.4/30

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.194+/-2.293 χ^2/NDF: 49.7/35

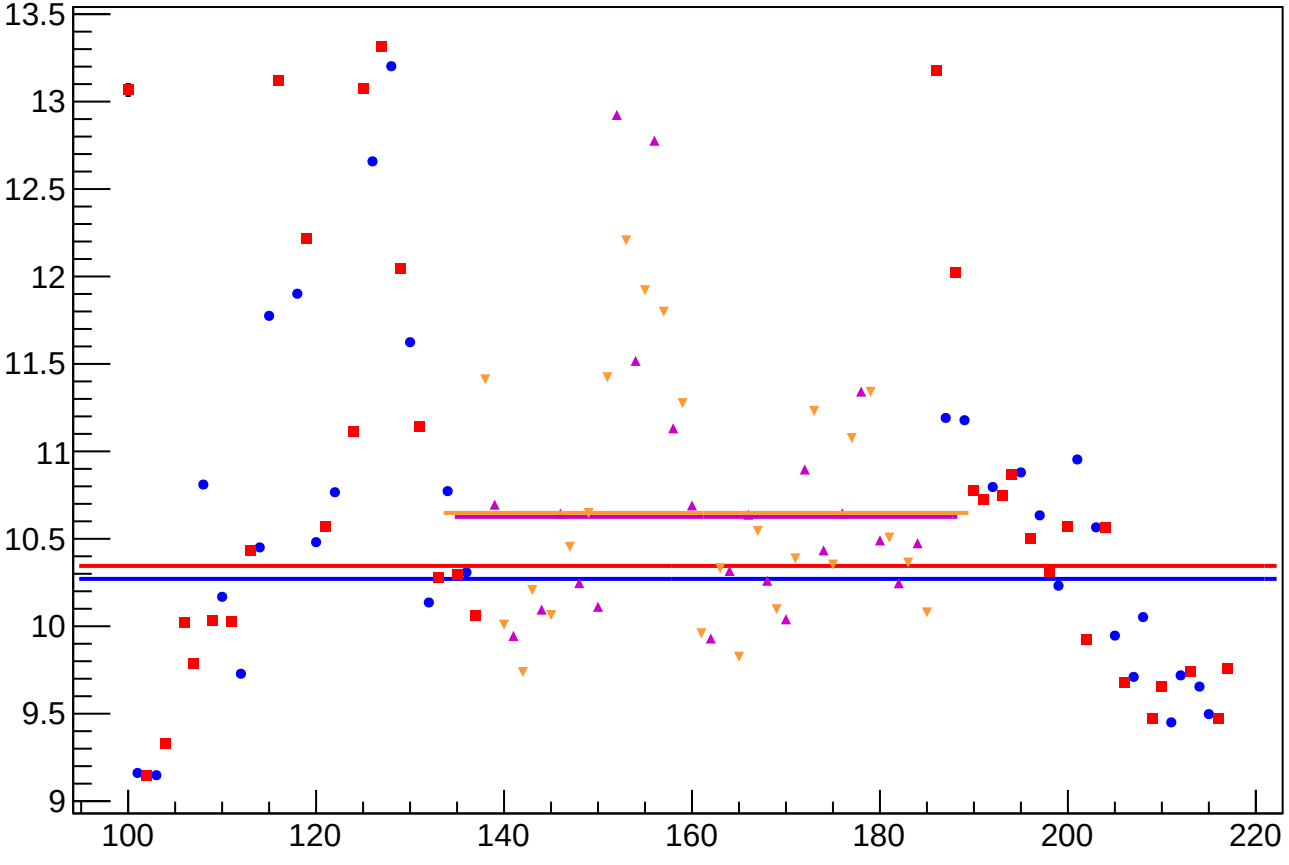
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.114+/-1.696 χ^2/NDF: 49.2/55

All: -0.336+/-1.198 χ^2/NDF: 136.6/114

- sign -0.558+/-1.692 χ^2/NDF: 87.4/58

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.271+/-0.002 χ^2/NDF: 237031.1/30

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.345+/-0.002 χ^2/NDF: 338487.8/35

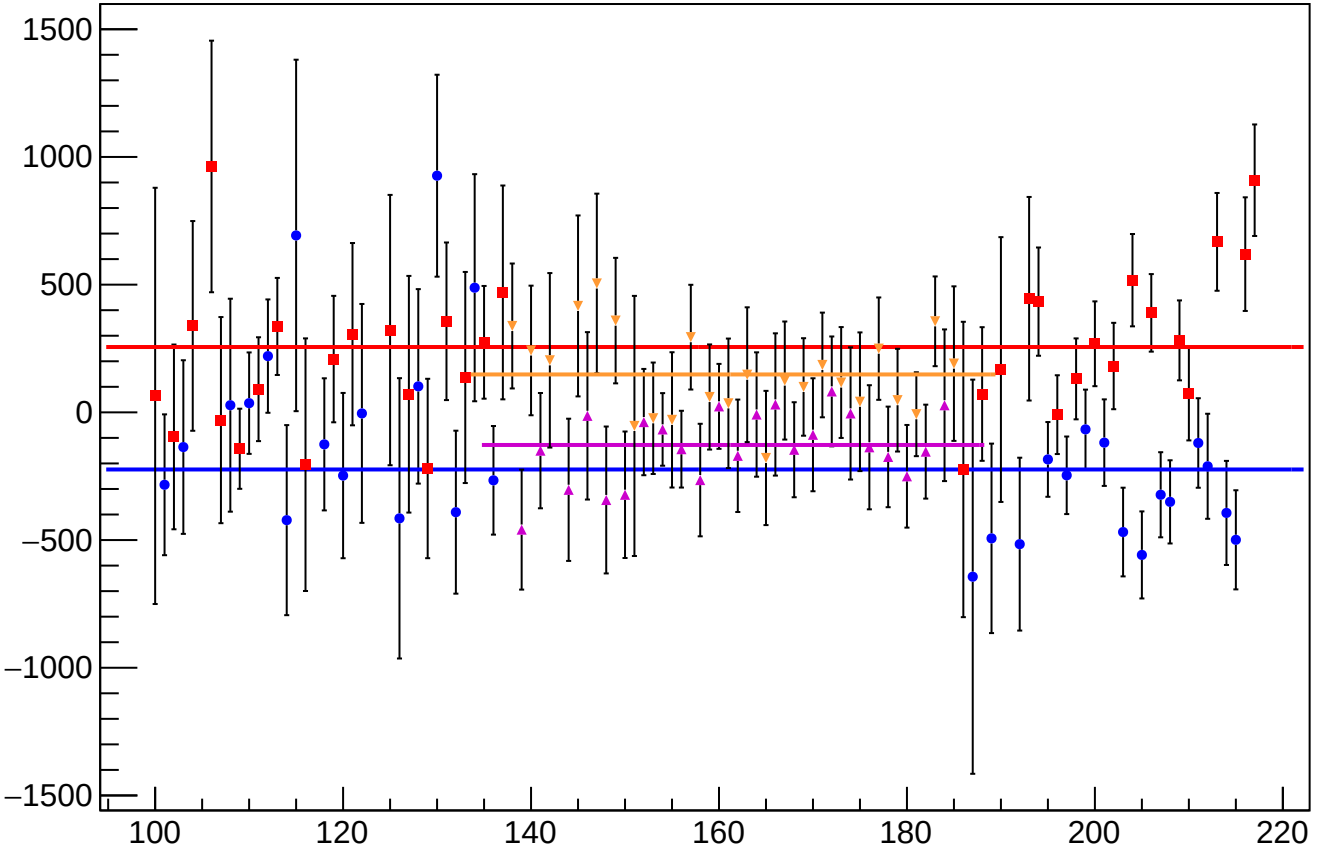
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

\+ sign 10.453+/-0.001 χ^2/NDF: 405284.4/55

All: 10.463+/-0.001 χ^2/NDF: 917113.7/114

\- sign 10.473+/-0.001 χ^2/NDF: 511684.8/58

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -223.661+/-40.887 χ^2/NDF: 33.8/30

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 255.818+/-40.111 χ^2/NDF: 40.4/33

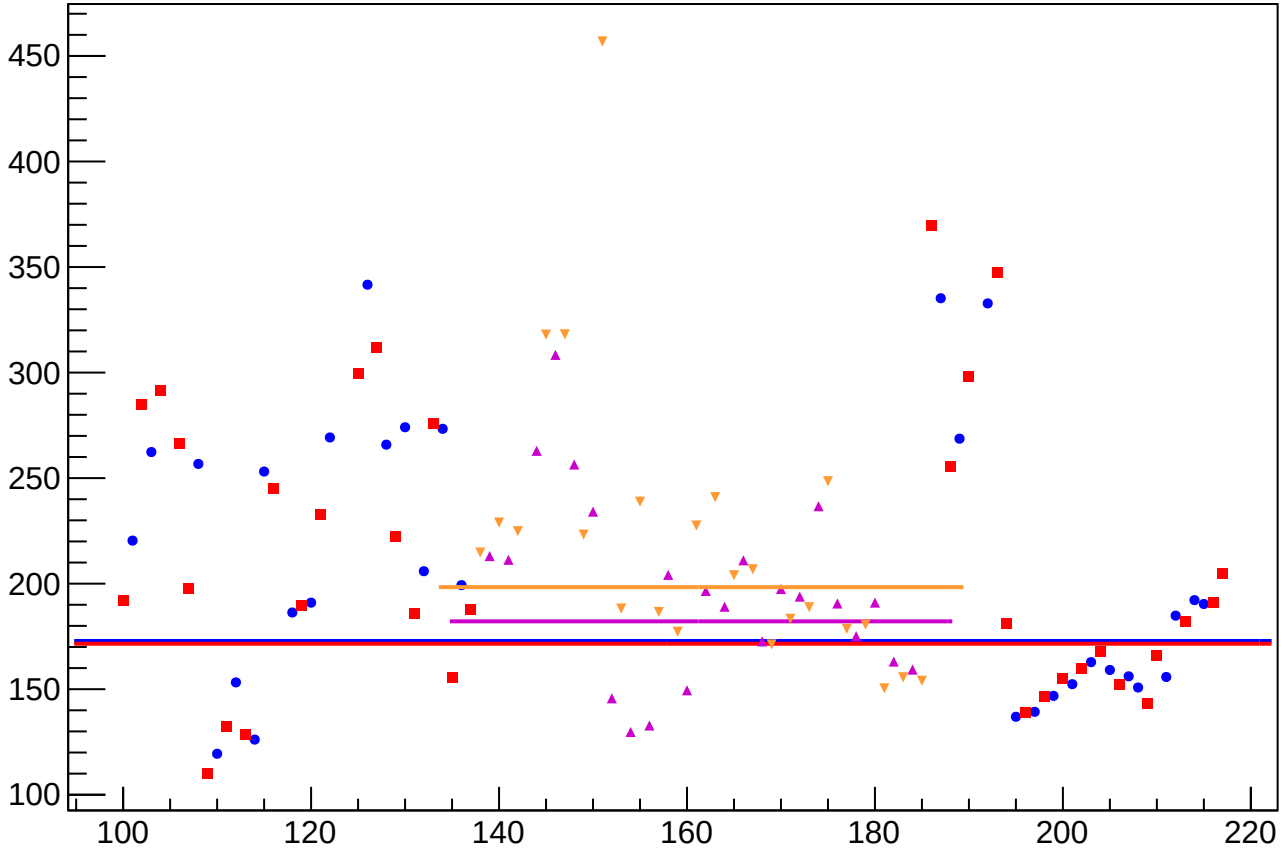
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -66.139+/-31.049 χ^2/NDF: 78.7/54

All: 11.863+/-21.489 χ^2/NDF: 180.1/111

\- sign 83.580+/-29.772 χ^2/NDF: 89.3/56

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 172.841+/-0.029 χ^2/NDF: 2314139.2/30

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.544+/-0.028 χ^2/NDF: 2830207.2/33

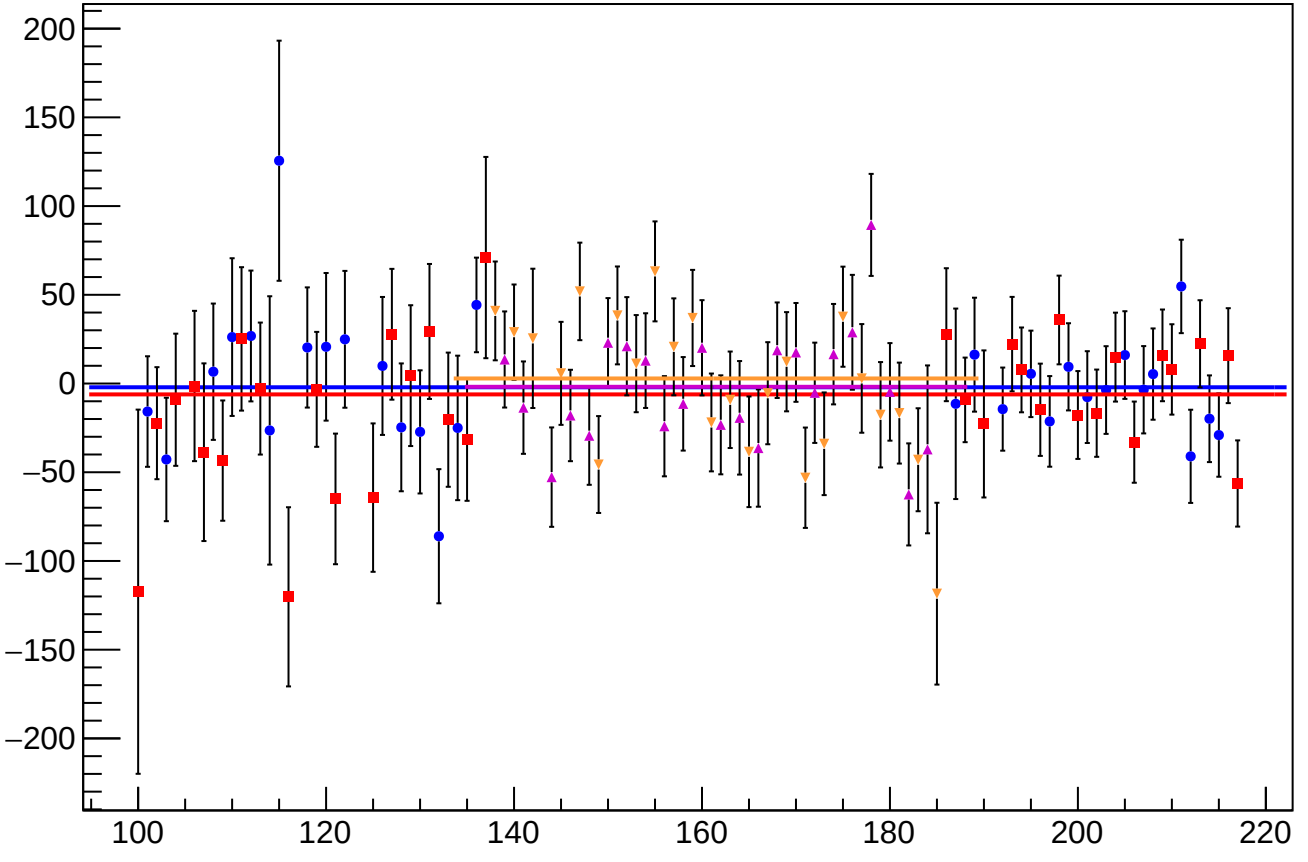
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 183.640+/-0.022 χ^2/NDF: 4340797.1/54

All: 179.820+/-0.015 χ^2/NDF: 8876282.1/111

- sign 176.307+/-0.021 χ^2/NDF: 4477363.1/56

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -2.109+/-5.456 χ^2/NDF: 27.7/30

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.128+/-5.313 χ^2/NDF: 32.8/33

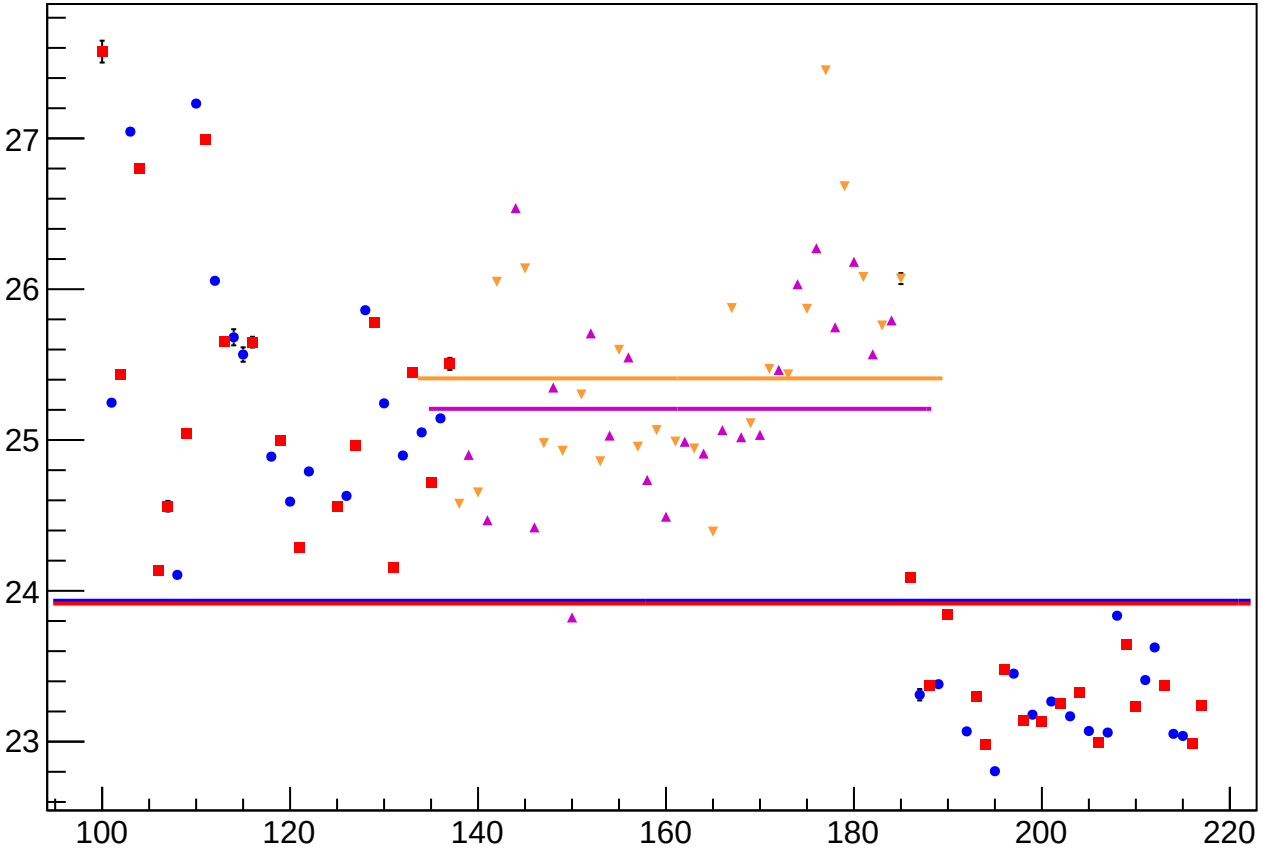
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.175+/-4.007 χ^2/NDF: 65.0/54

All: -2.051+/-2.812 χ^2/NDF: 126.8/111

- sign -4.210+/-3.946 χ^2/NDF: 61.2/56

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.934+/-0.004 χ^2/NDF: 84020.1/30

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.916+/-0.004 χ^2/NDF: 77116.7/33

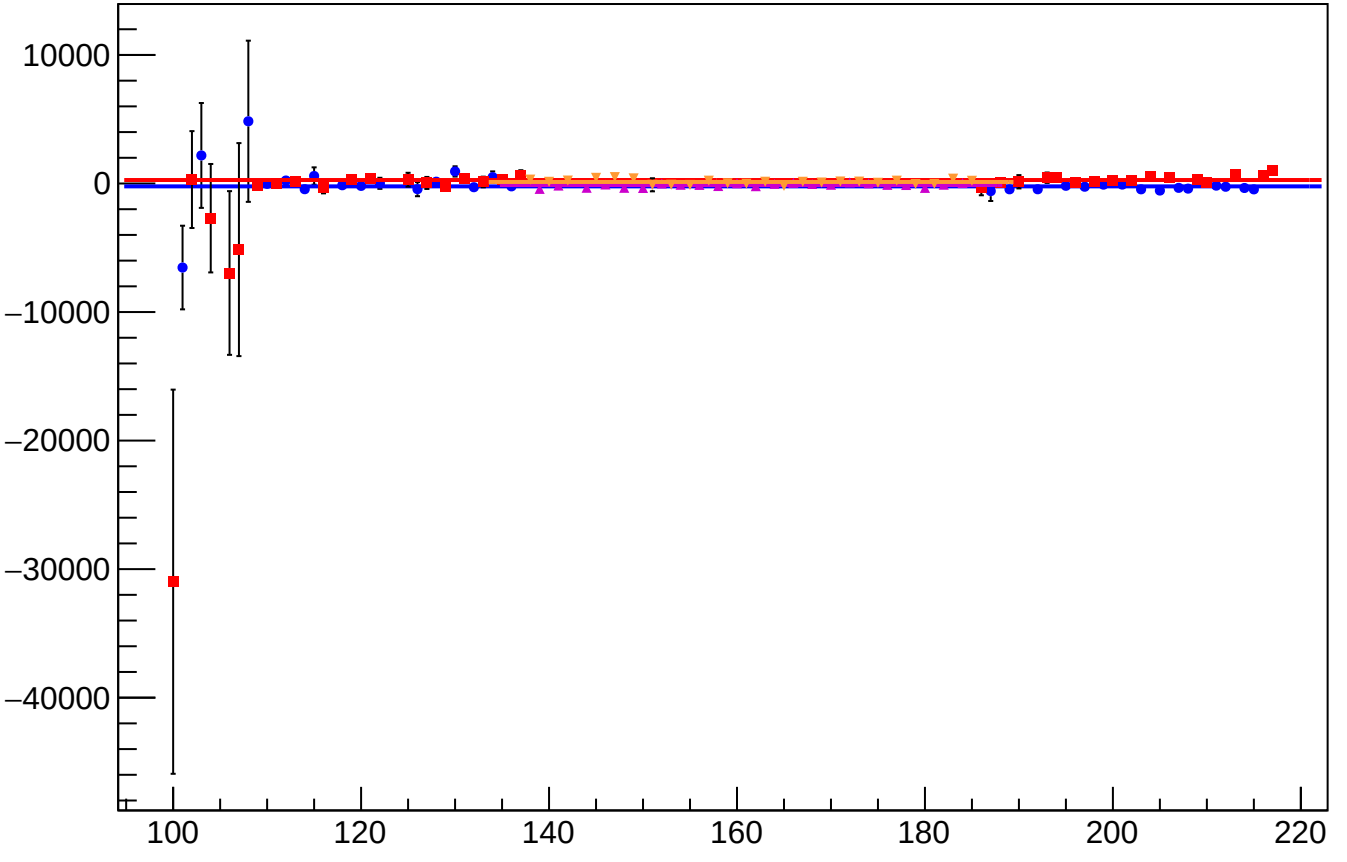
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.613+/-0.003 χ^2/NDF: 178168.9/54

All: 24.553+/-0.002 χ^2/NDF: 334956.7/111

- sign 24.495+/-0.003 χ^2/NDF: 155897.4/56

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -223.251+/-42.463 χ^2/NDF: 35.6/30

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 271.064+/-42.071 χ^2/NDF: 46.4/33

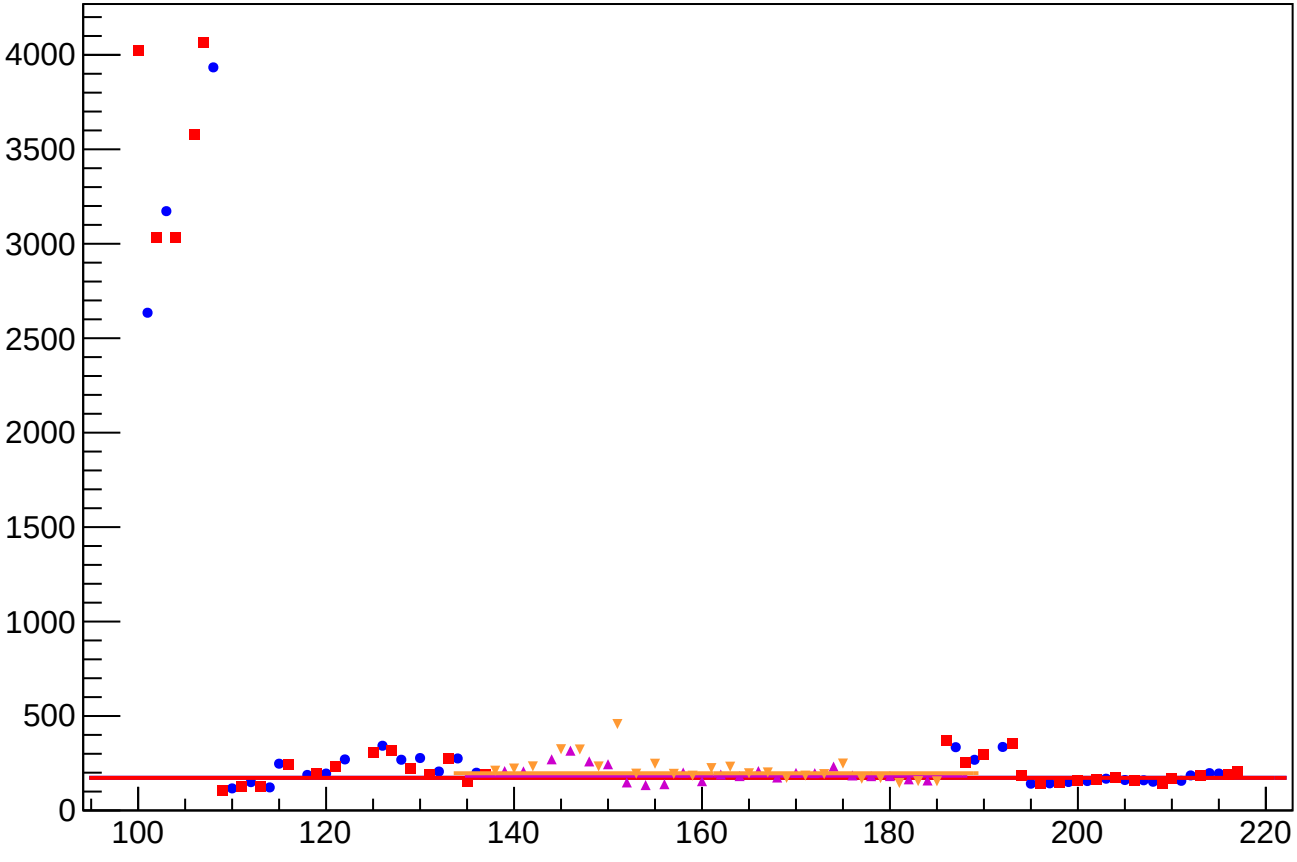
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

\+ sign -70.470+/-31.640 χ^2/NDF: 76.7/54

All: 12.022+/-22.019 χ^2/NDF: 184.4/111

\- sign 89.504+/-30.664 χ^2/NDF: 94.5/56

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 172.973+/-0.030 χ^2/NDF: 4950508.2/30

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.519+/-0.030 χ^2/NDF: 5495262.9/33

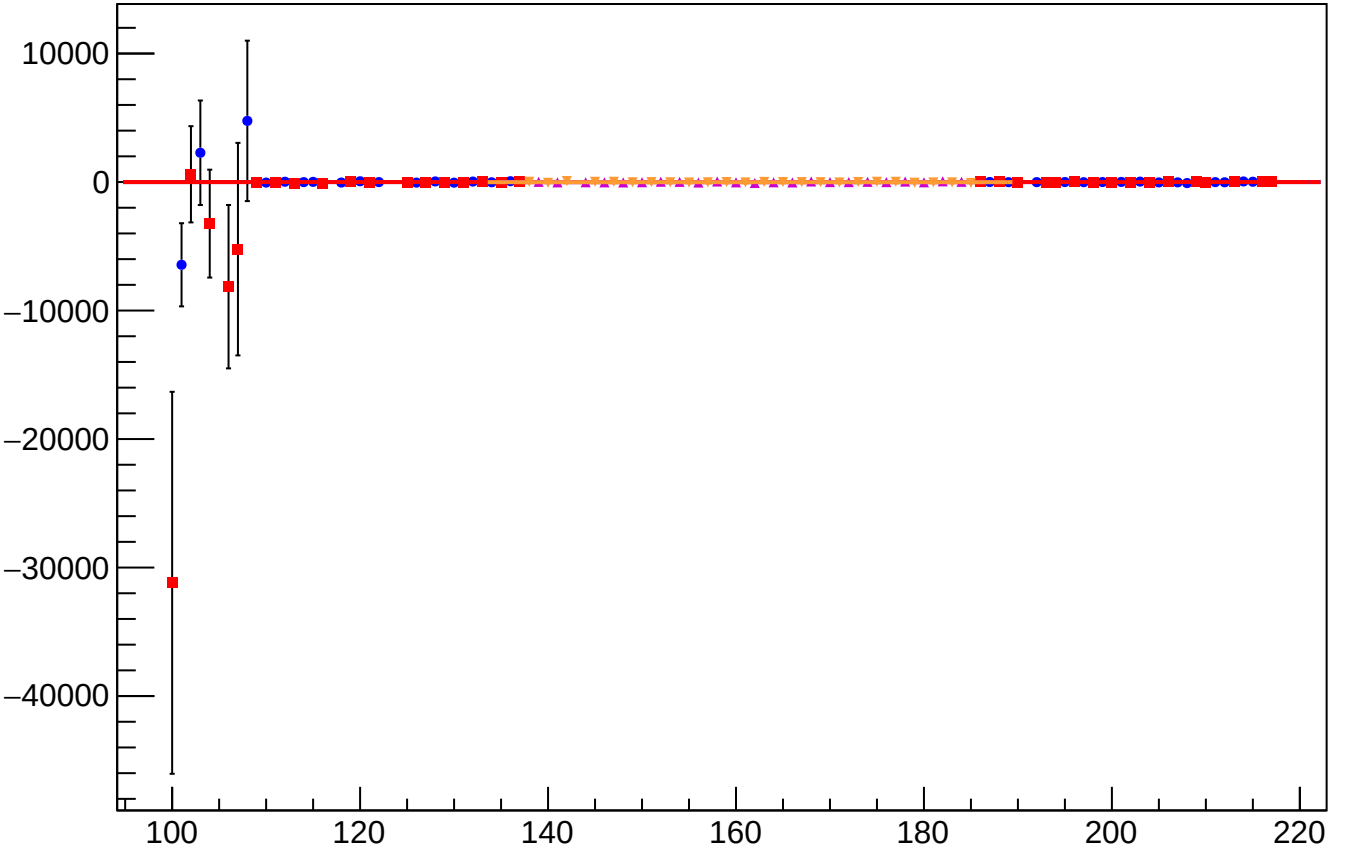
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 183.631+/-0.022 χ^2/NDF: 7043074.6/54

All: 180.689+/-0.016 χ^2/NDF: 14087751.1/11

- sign 177.925+/-0.022 χ^2/NDF: 7011128.6/56

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -1.695+/-6.497 χ^2/NDF: 32.9/30

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -2.782+/-6.381 χ^2/NDF: 40.9/33

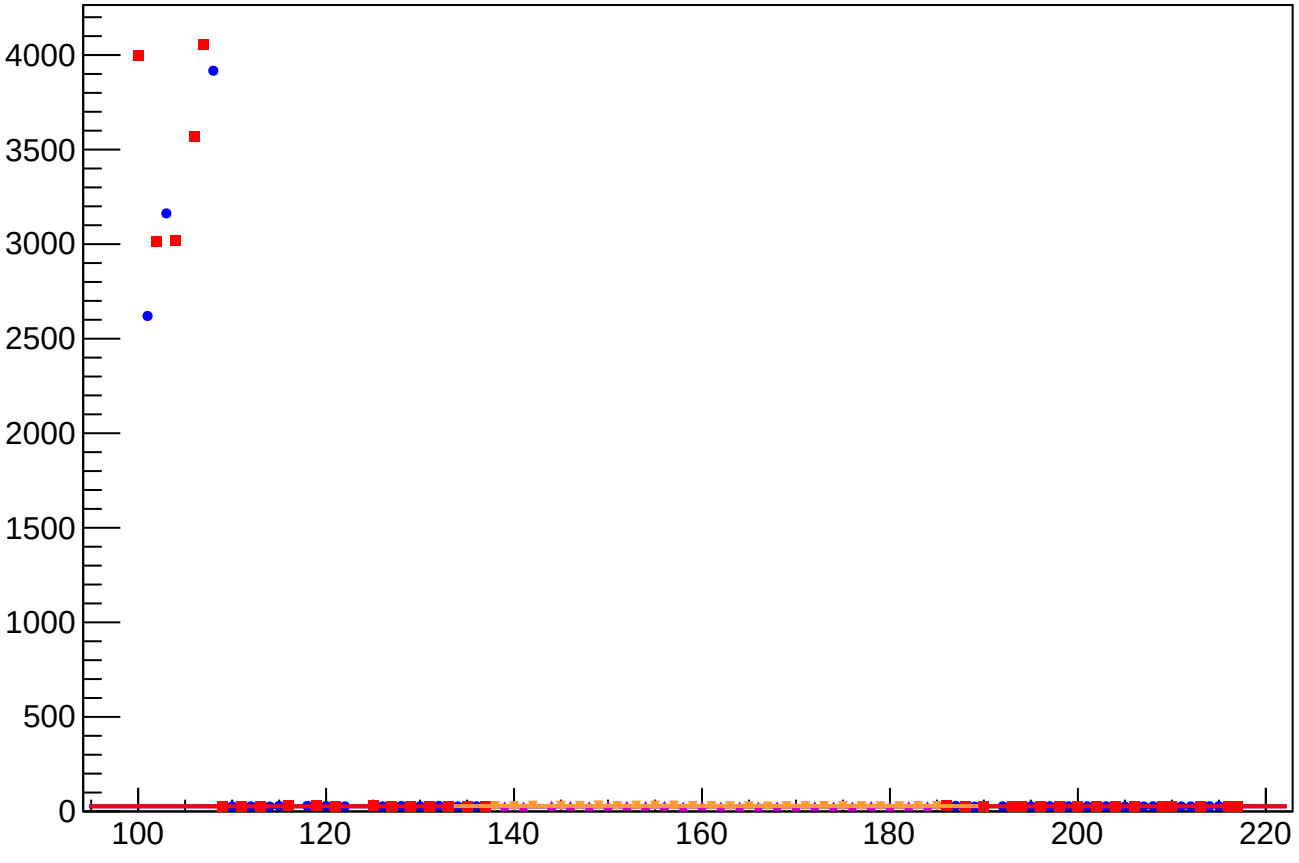
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.291+/-4.648 χ^2/NDF: 51.5/54

All: -4.482+/-3.281 χ^2/NDF: 114.8/111

- sign -2.685+/-4.631 χ^2/NDF: 63.0/56

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.276+/-0.005 χ^2/NDF: 3289896.2/30

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.195+/-0.005 χ^2/NDF: 3602459.1/33

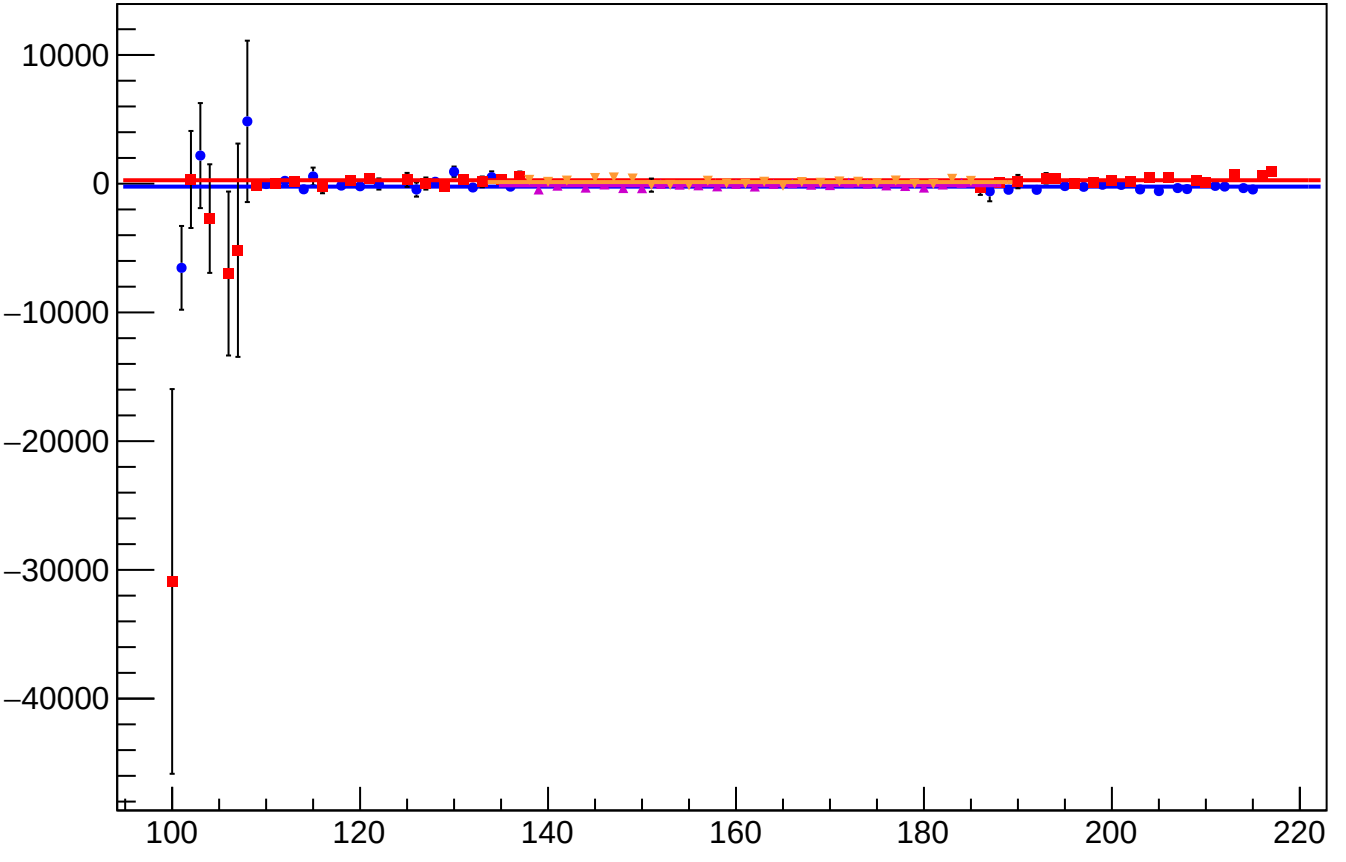
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 27.918+/-0.003 χ^2/NDF: 3410987.6/54

All: 27.919+/-0.002 χ^2/NDF: 7195399.4/111

- sign 27.921+/-0.003 χ^2/NDF: 3784411.5/56

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -227.370+/-42.641 χ^2/NDF: 35.7/30

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 268.514+/-42.237 χ^2/NDF: 44.8/33

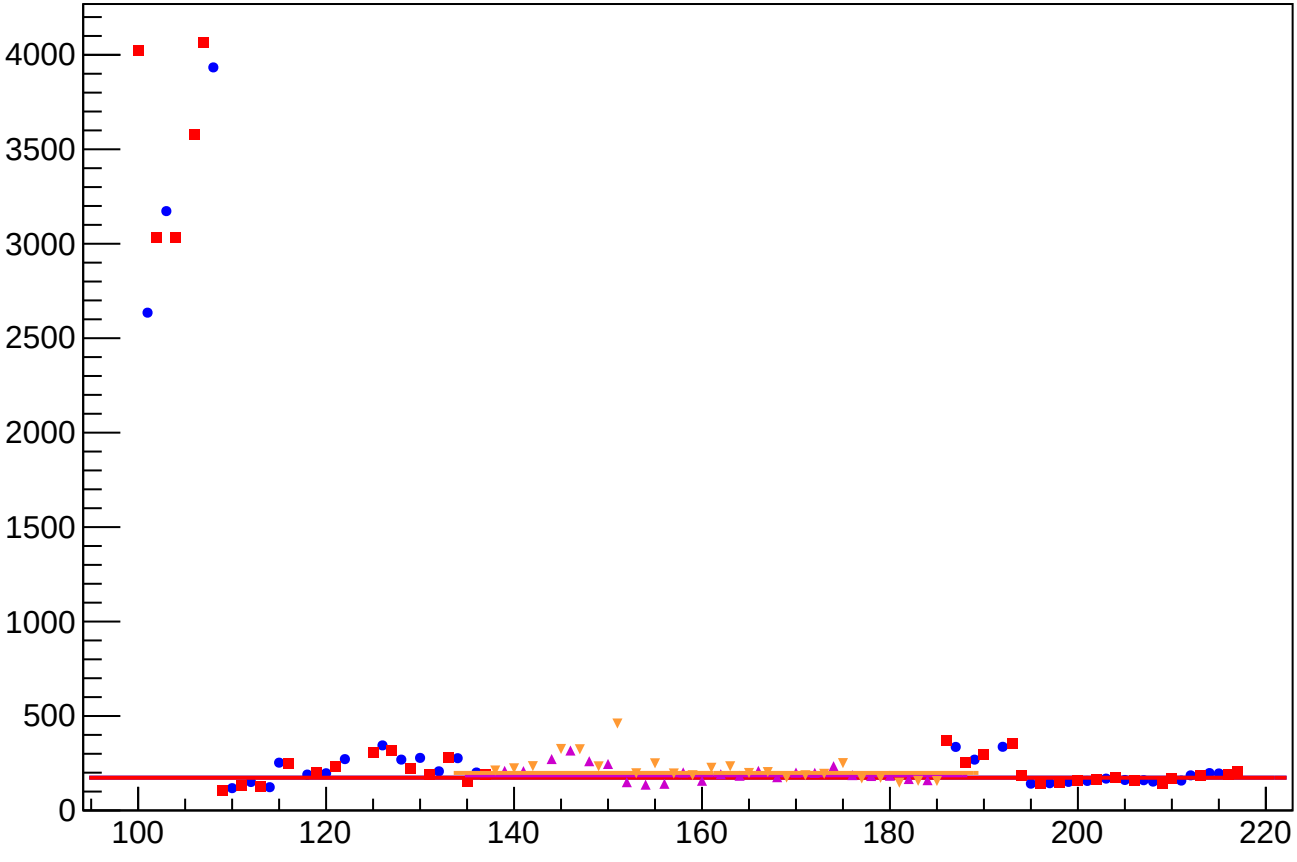
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign -70.804+/-31.835 χ^2/NDF: 77.8/54

All: 10.086+/-22.158 χ^2/NDF: 183.1/111

\- sign 86.094+/-30.860 χ^2/NDF: 92.8/56

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 173.713+/-0.030 χ^2/NDF: 4944571.3/30

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 173.241+/-0.030 χ^2/NDF: 5482088.9/33

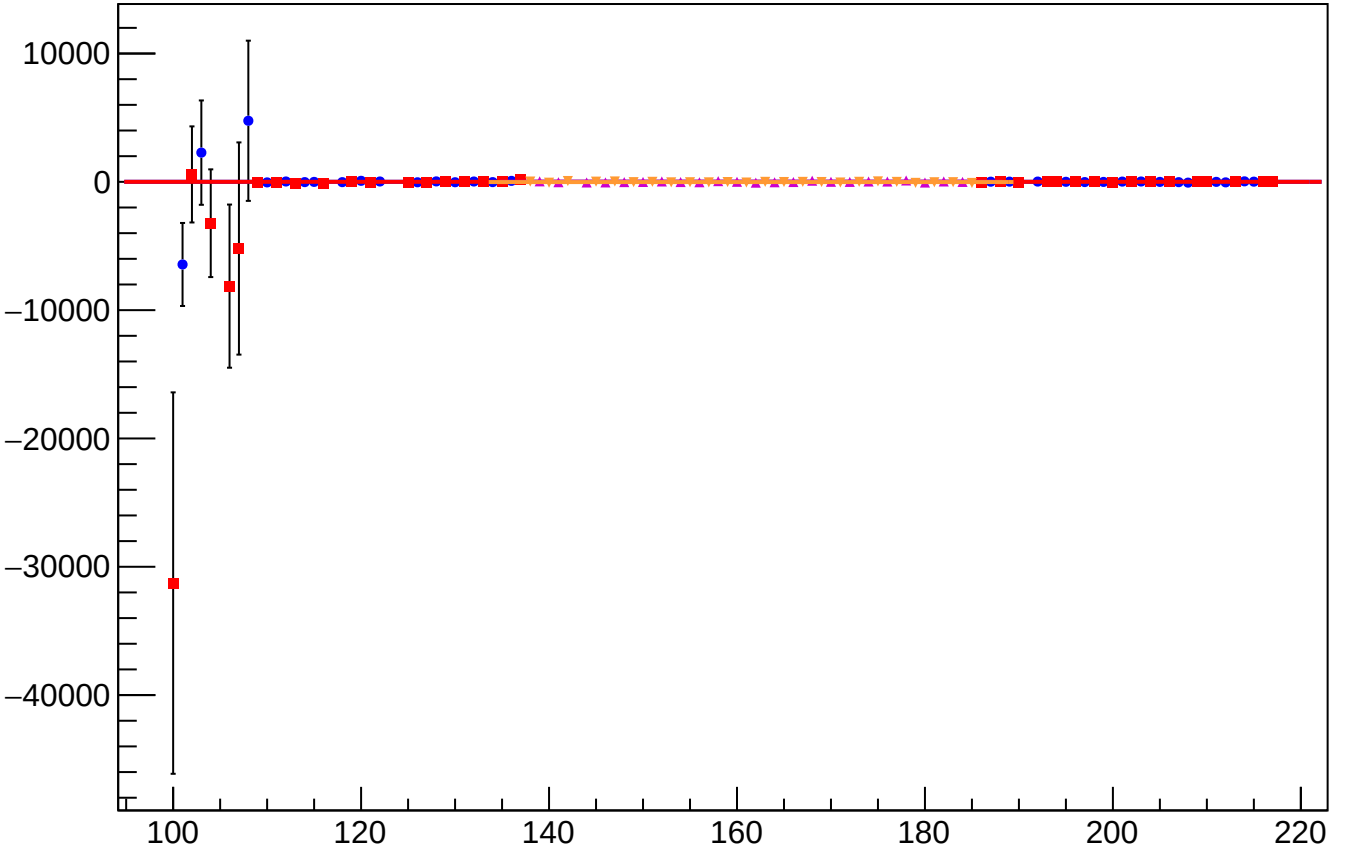
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 184.788+/-0.023 χ^2/NDF: 7035821.0/54

All: 181.870+/-0.016 χ^2/NDF: 14039394.5/11

- sign 179.129+/-0.022 χ^2/NDF: 6970988.2/56

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 3.439+/-7.170 χ^2/NDF: 25.8/30

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 2.059+/-7.042 χ^2/NDF: 44.9/33

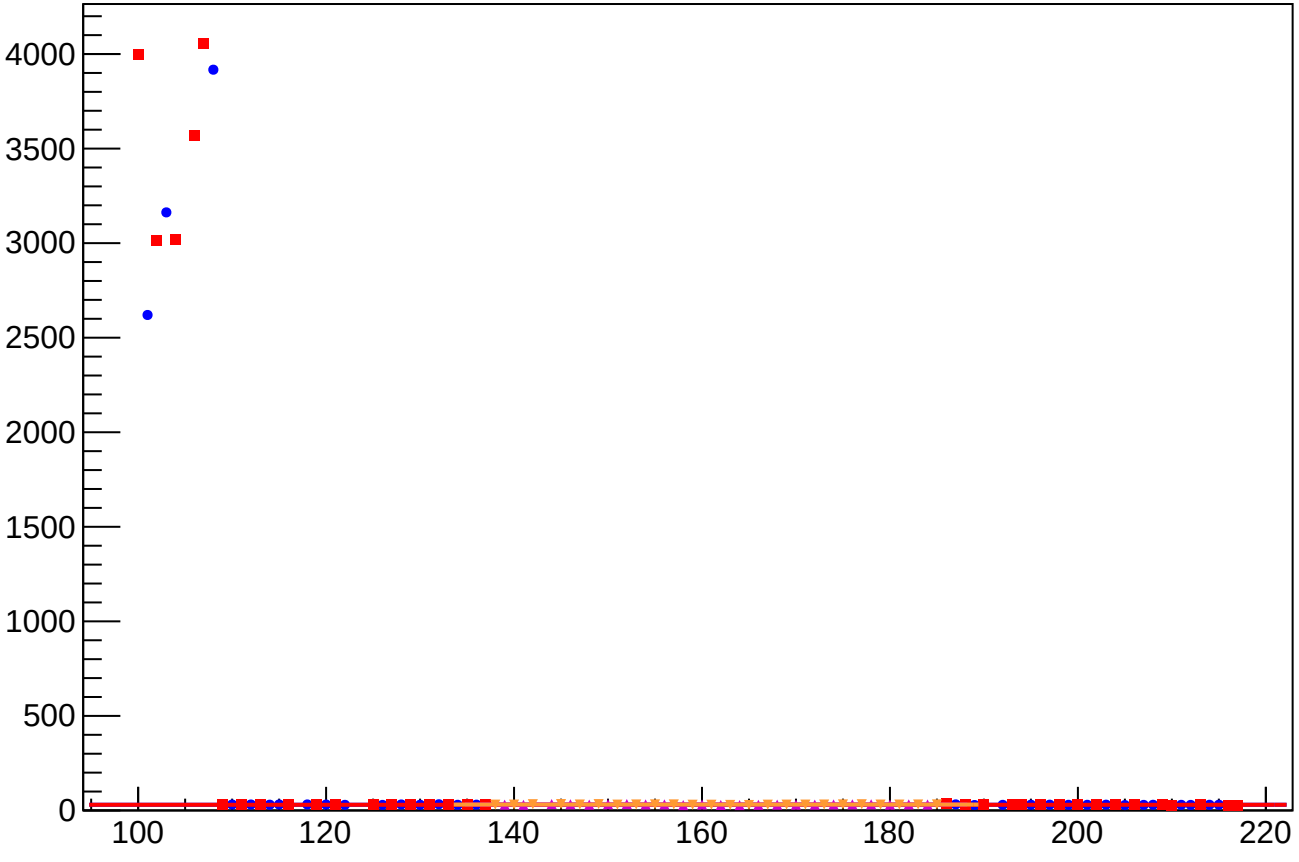
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -7.240+/-5.101 χ^2/NDF: 50.6/54

All: -2.419+/-3.601 χ^2/NDF: 132.9/111

- sign 2.370+/-5.084 χ^2/NDF: 80.5/56

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.109+/-0.005 χ^2/NDF: 3275530.5/30

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.029+/-0.005 χ^2/NDF: 3577419.9/33

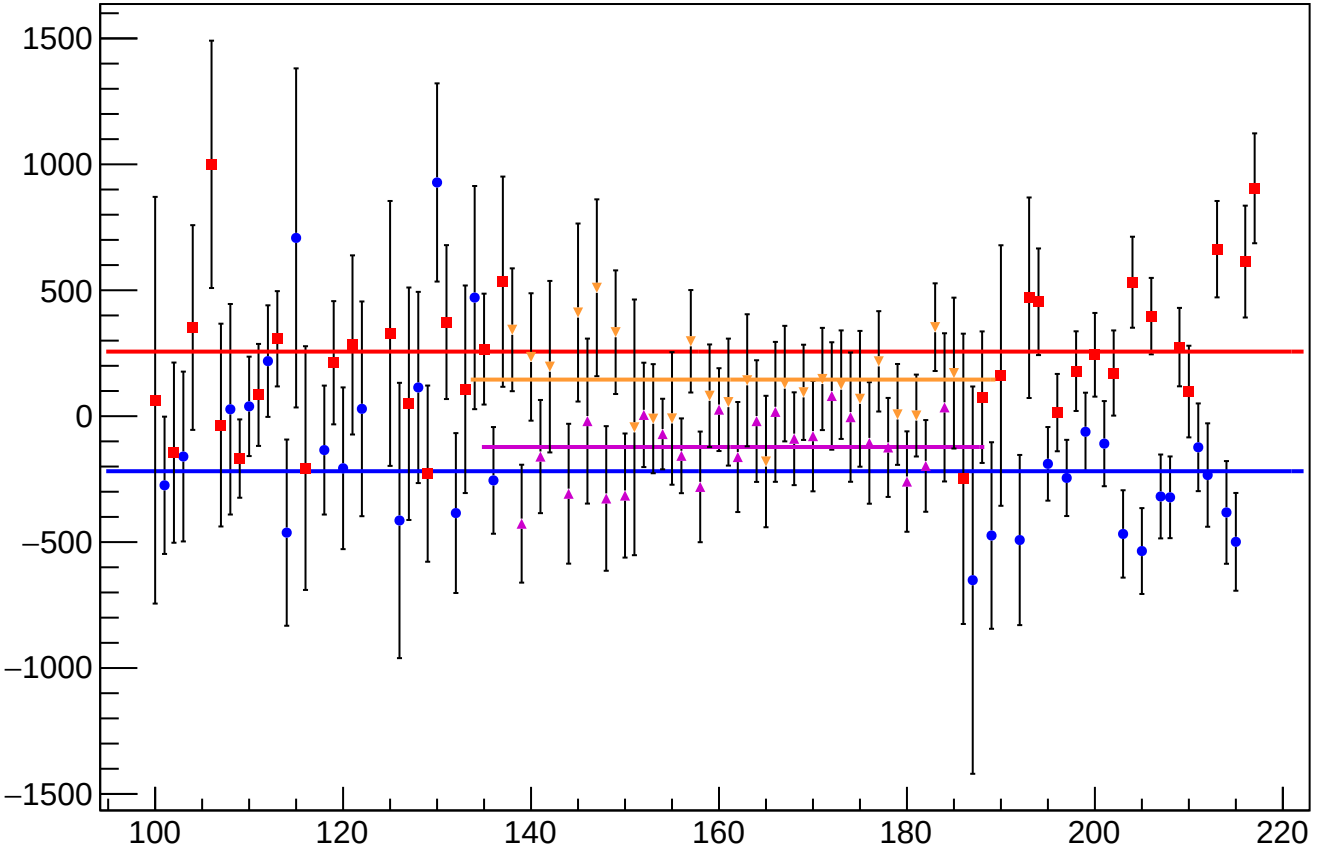
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.658+/-0.004 χ^2/NDF: 3346729.8/54

All: 30.667+/-0.003 χ^2/NDF: 7044591.5/111

- sign 30.676+/-0.004 χ^2/NDF: 3697850.1/56

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -218.497+/-40.765 χ^2/NDF: 33.2/30

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 256.431+/-39.987 χ^2/NDF: 41.6/33

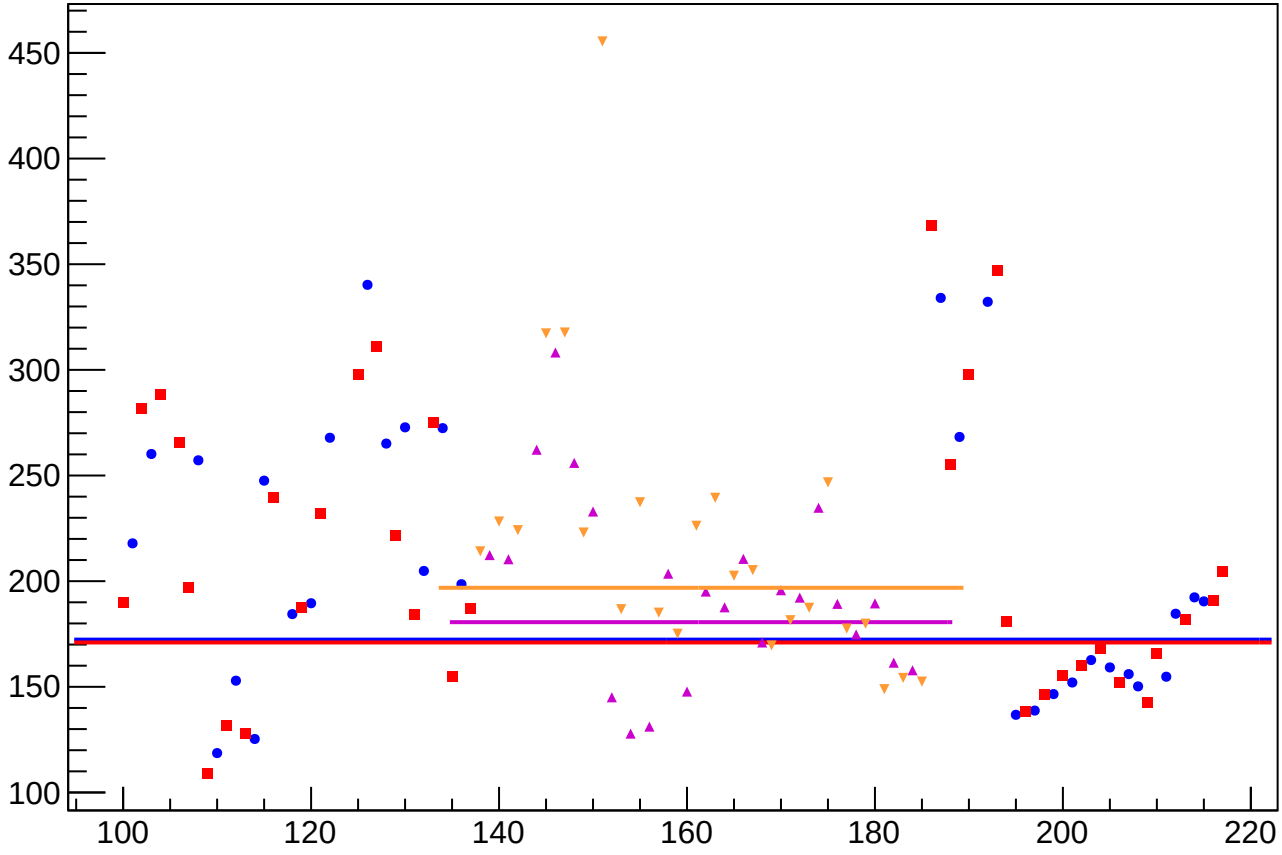
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -63.778+/-30.905 χ^2/NDF: 76.4/54

All: 13.999+/-21.383 χ^2/NDF: 178.5/111

- sign 85.431+/-29.617 χ^2/NDF: 90.0/56

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 172.335+/-0.029 χ^2/NDF: 2307683.7/30

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.991+/-0.028 χ^2/NDF: 2829055.1/33

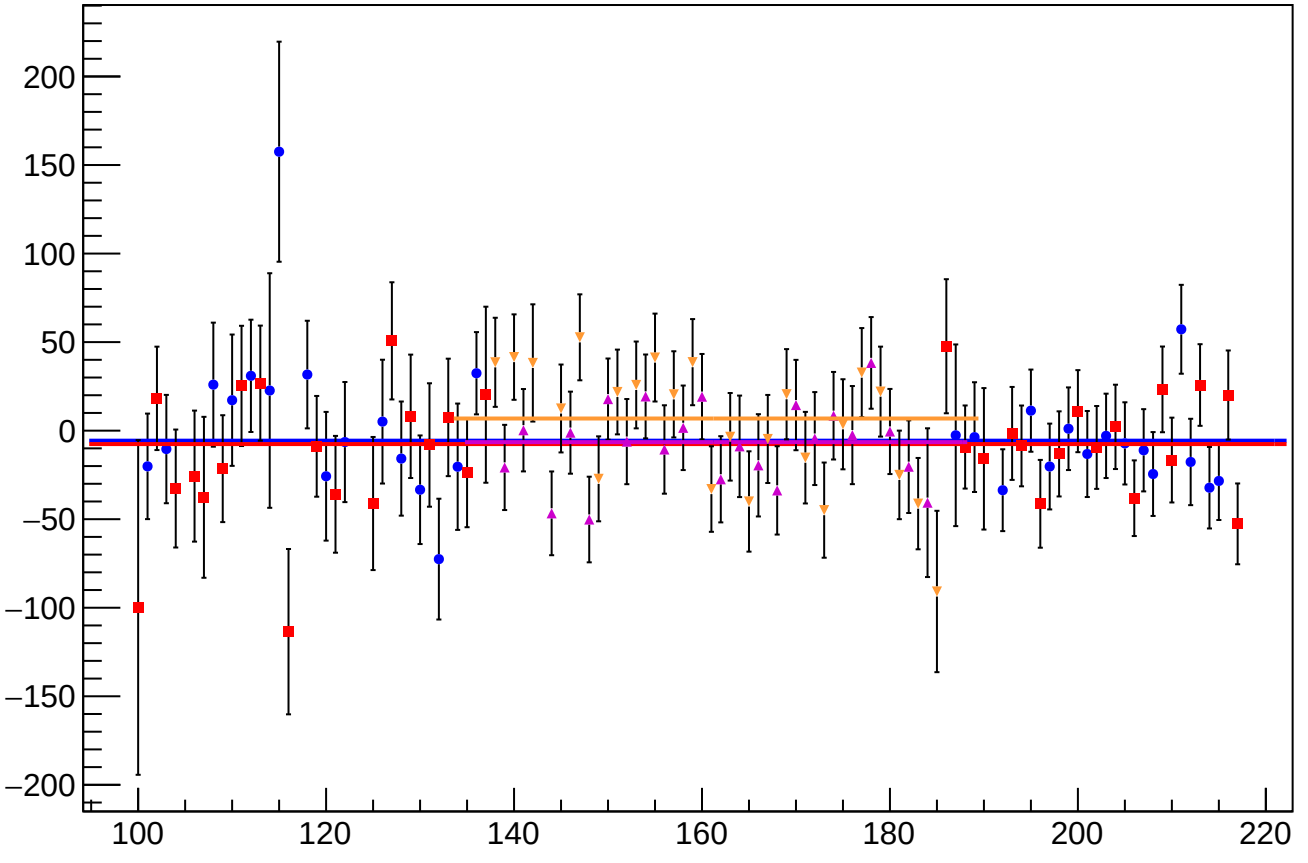
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 182.771+/-0.022 χ^2/NDF: 4340951.2/54

All: 178.892+/-0.015 χ^2/NDF: 8910666.6/11

- sign 175.329+/-0.021 χ^2/NDF: 4509275.9/56

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -5.659+/-5.055 χ^2/NDF: 31.6/30

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.582+/-4.944 χ^2/NDF: 32.0/33

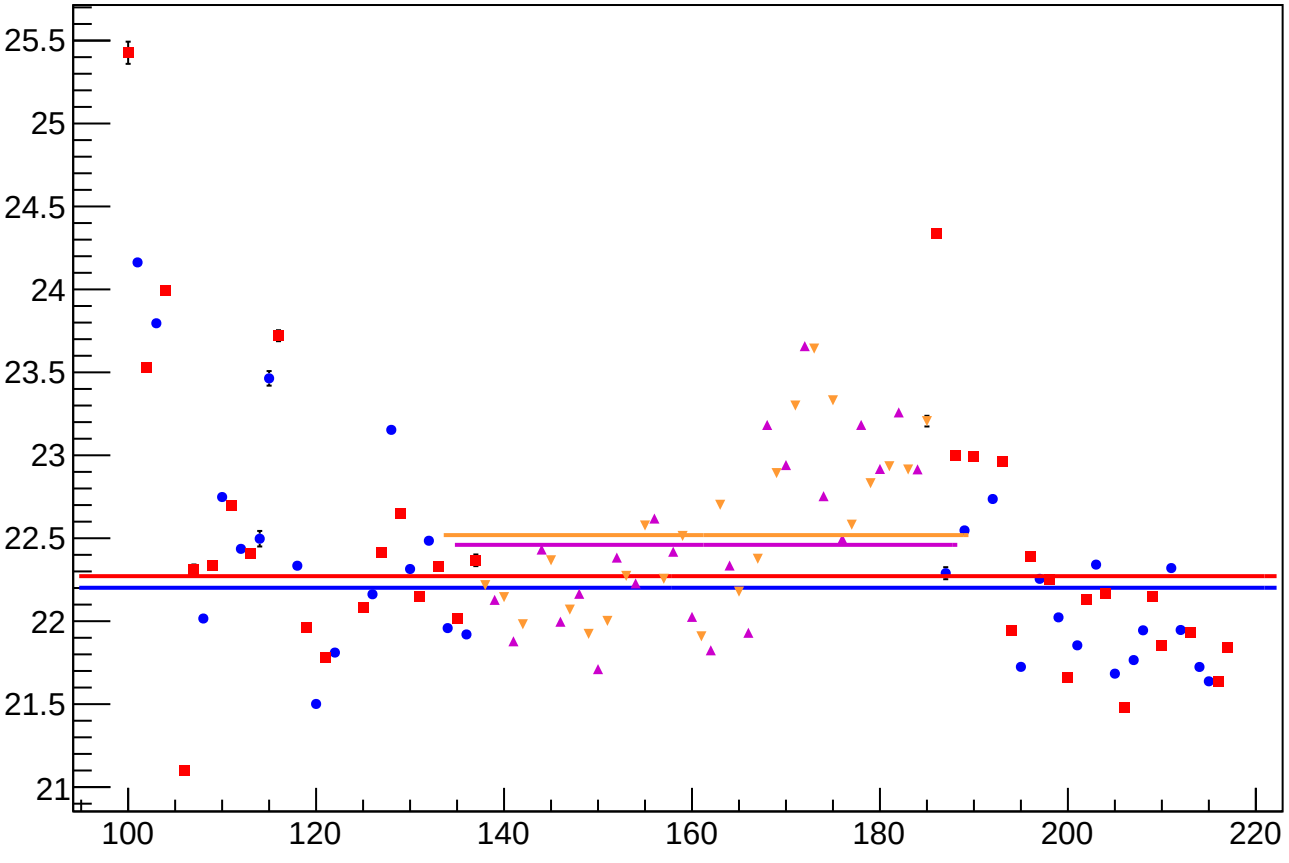
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.388+/-3.634 χ^2/NDF: 71.4/54

All: -3.376+/-2.557 χ^2/NDF: 123.0/111

- sign -7.065+/-3.598 χ^2/NDF: 49.5/56

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.202+/-0.004 χ^2/NDF: 26050.2/30

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.272+/-0.003 χ^2/NDF: 34486.4/33

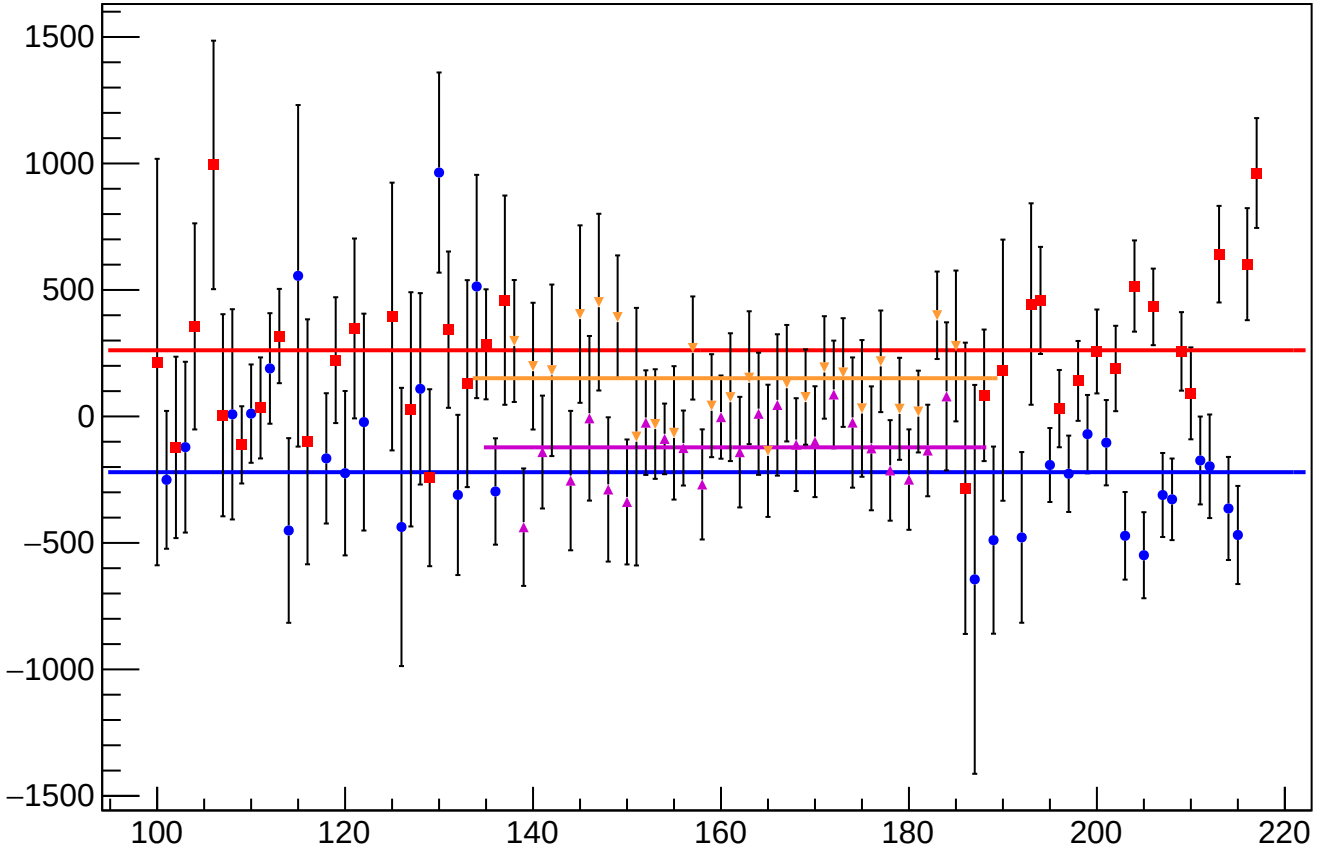
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.355+/-0.003 χ^2/NDF: 45859.0/54

All: 22.358+/-0.002 χ^2/NDF: 100835.5/111

- sign 22.360+/-0.003 χ^2/NDF: 54974.3/56

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -220.358+/-40.650 χ^2/NDF: 31.8/30

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 261.551+/-39.825 χ^2/NDF: 41.1/33

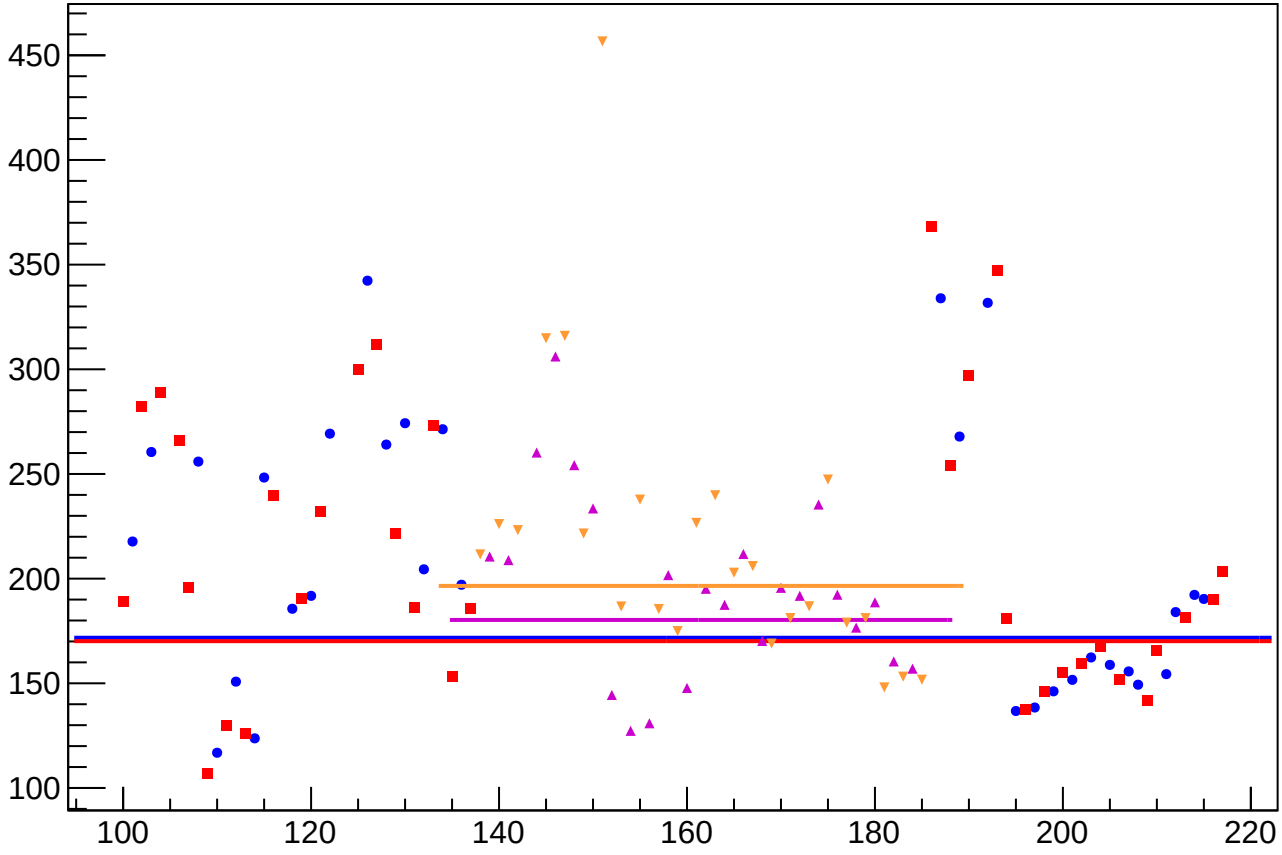
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -62.612+/-30.834 χ^2/NDF: 77.3/54

All: 16.359+/-21.326 χ^2/NDF: 180.2/111

- sign 88.784+/-29.528 χ^2/NDF: 90.4/56

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 171.767+/-0.029 χ^2/NDF: 2339826.8/30

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 170.132+/-0.028 χ^2/NDF: 2897374.3/33

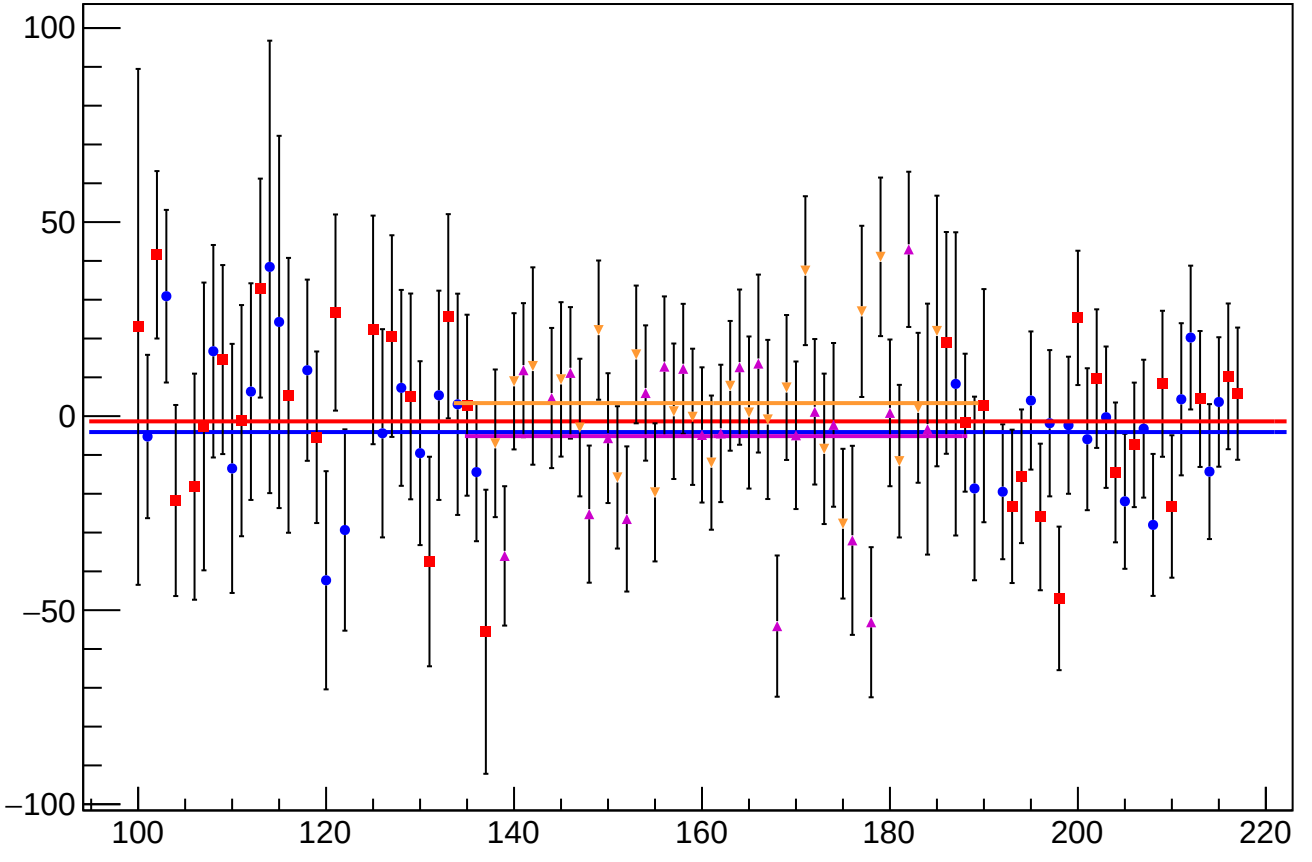
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.284+/-0.022 χ^2/NDF: 4382970.7/54

All: 178.328+/-0.015 χ^2/NDF: 9026567.1/111

- sign 174.699+/-0.021 χ^2/NDF: 4580457.1/56

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.103+/-3.878 χ^2/NDF: 15.0/30

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.347+/-3.785 χ^2/NDF: 30.8/33

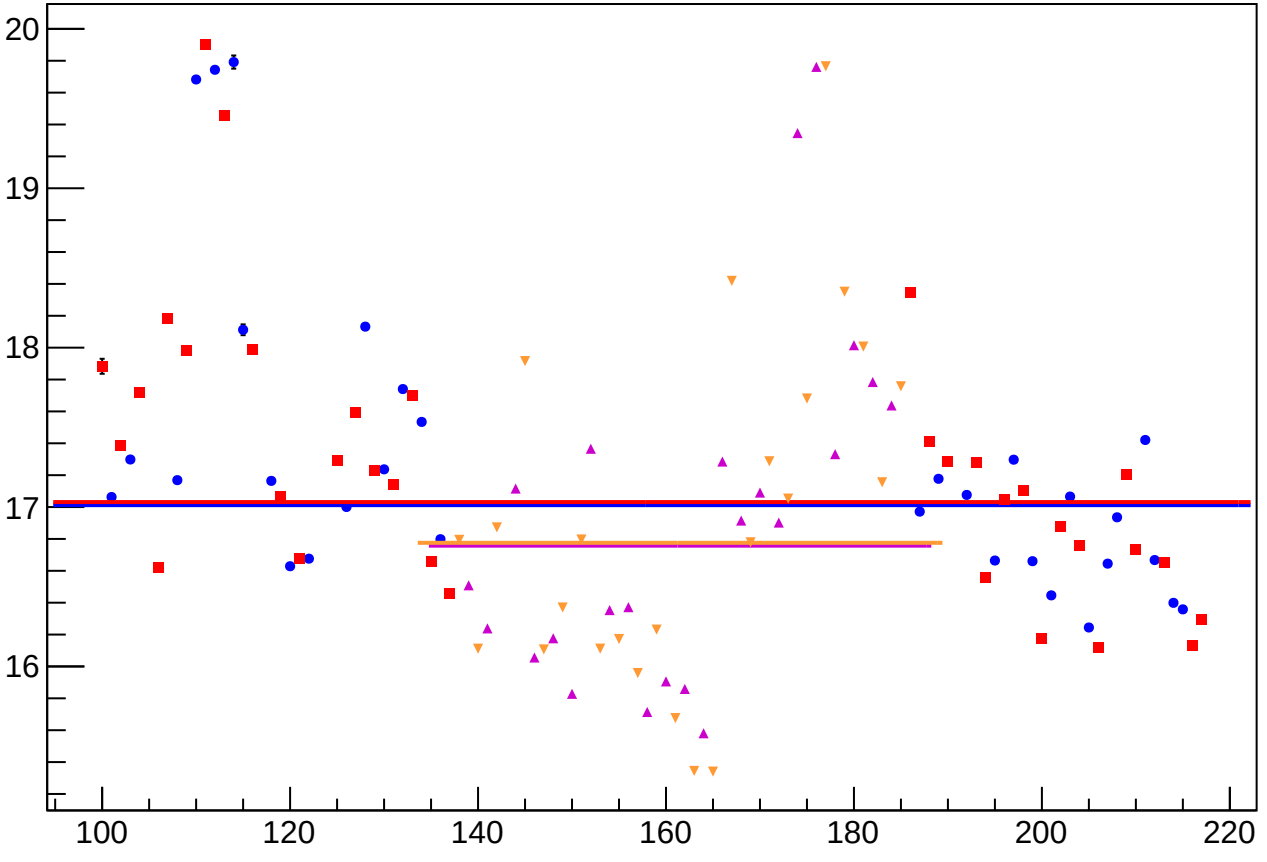
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.397+/-2.752 χ^2/NDF: 34.5/54

All: -1.803+/-1.936 χ^2/NDF: 98.6/111

- sign -3.180+/-2.724 χ^2/NDF: 63.6/56

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.012+/-0.003 χ^2/NDF: 62308.4/30

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.031+/-0.003 χ^2/NDF: 75620.7/33

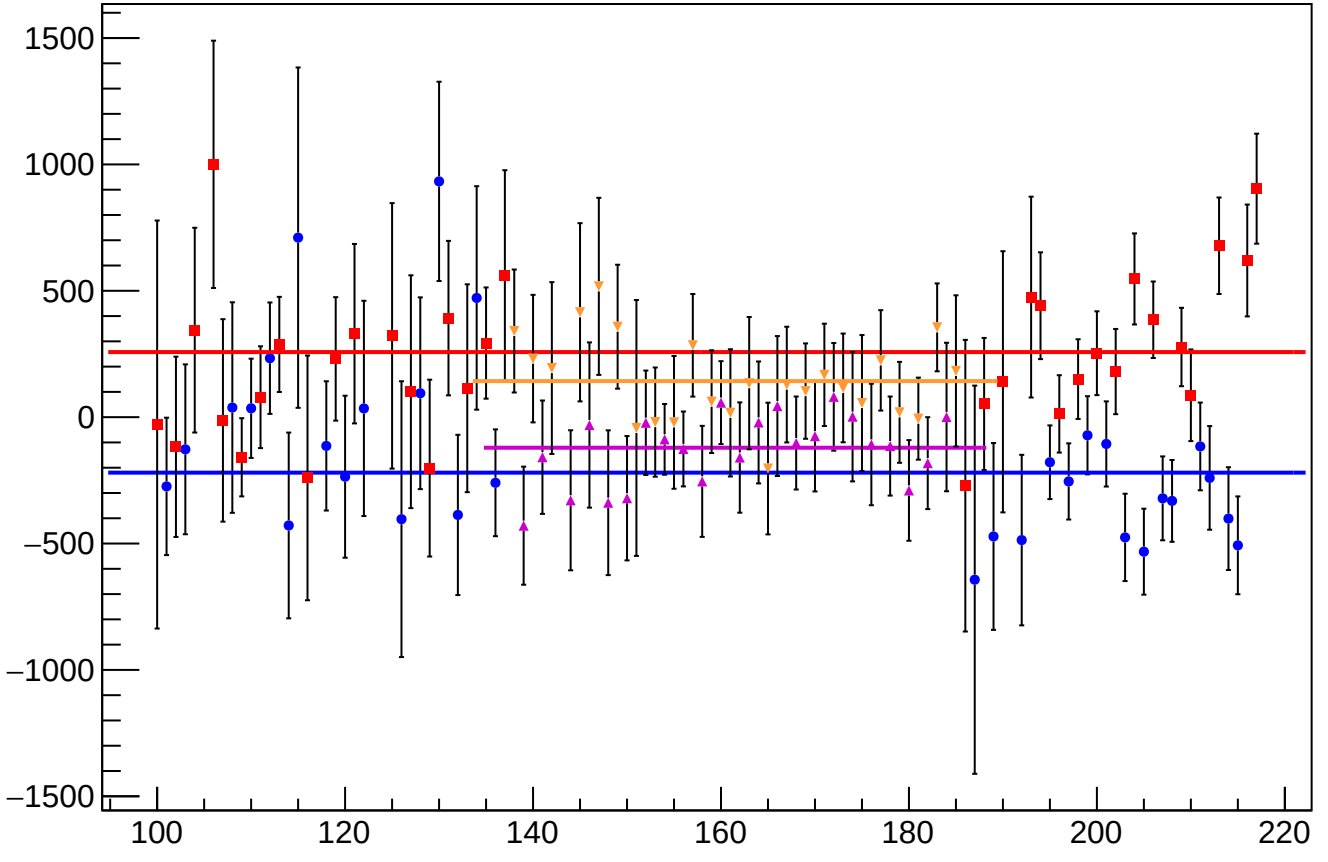
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.895+/-0.002 χ^2/NDF: 202133.8/54

All: 16.897+/-0.001 χ^2/NDF: 406097.0/111

\- sign 16.899+/-0.002 χ^2/NDF: 203960.1/56

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -219.503+/-40.643 χ^2/NDF: 34.0/30

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 257.537+/-39.868 χ^2/NDF: 42.3/33

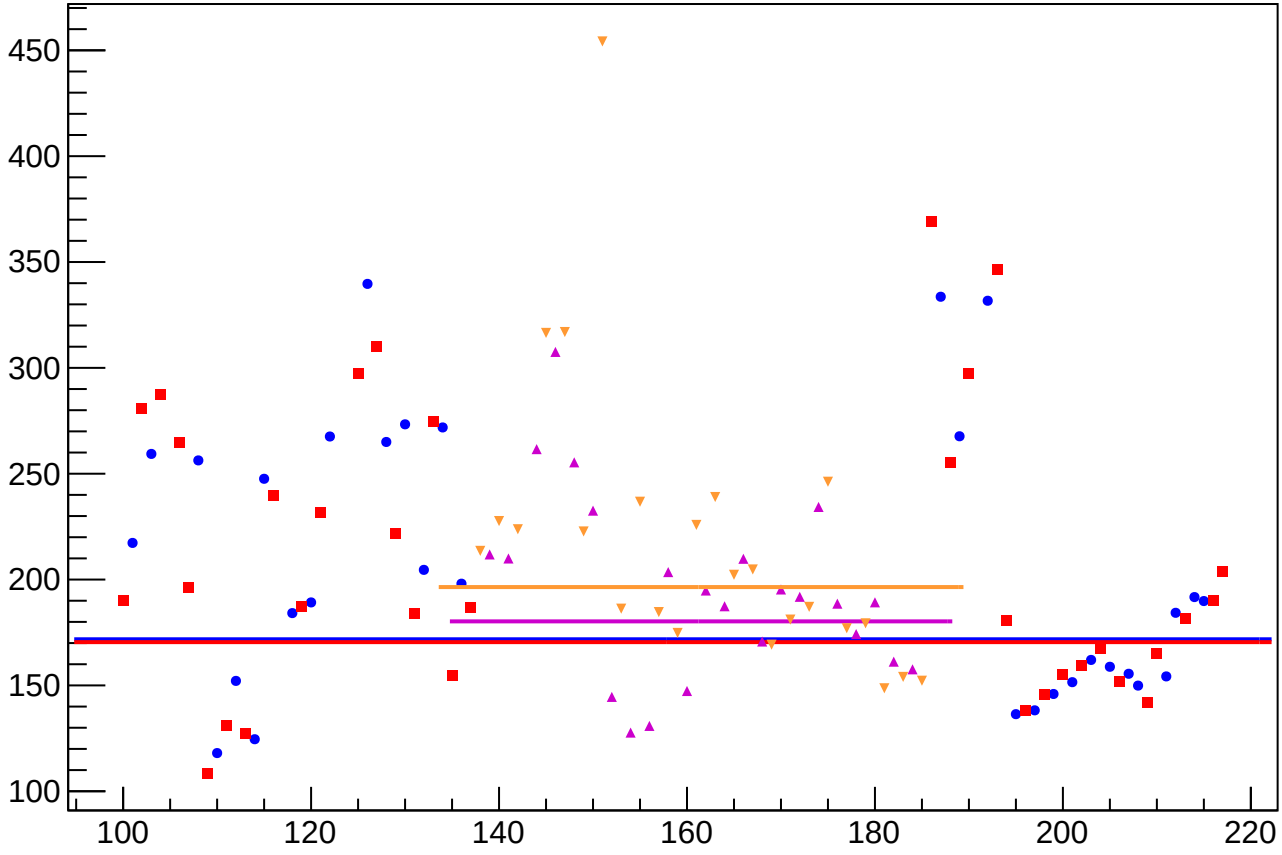
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -65.619+/-30.823 χ^2/NDF: 77.9/54

All: 13.875+/-21.328 χ^2/NDF: 181.8/111

- sign 86.901+/-29.542 χ^2/NDF: 91.1/56

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 171.787+/-0.029 χ^2/NDF: 2320464.3/30

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.441+/-0.028 χ^2/NDF: 2846674.4/33

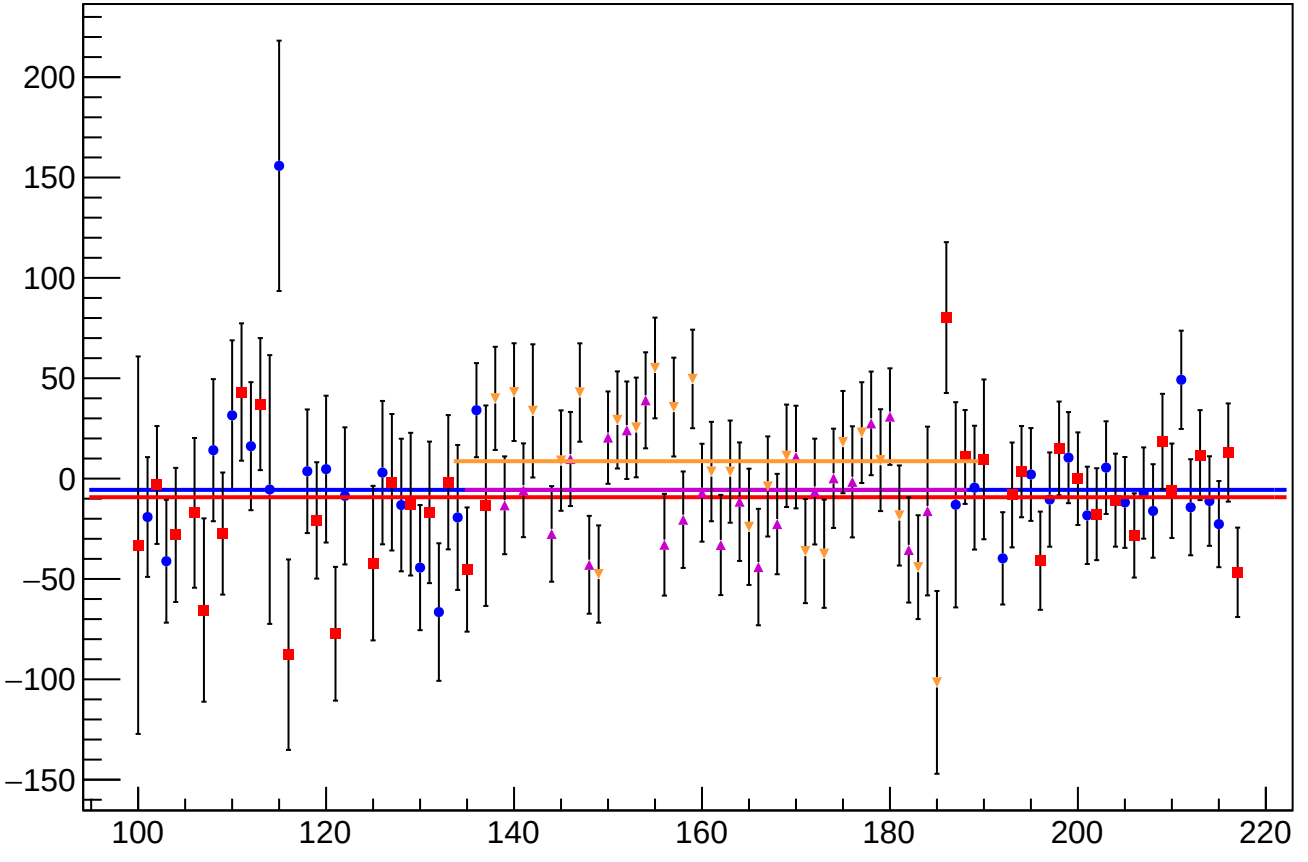
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 182.266+/-0.022 χ^2/NDF: 4356926.2/54

All: 178.408+/-0.015 χ^2/NDF: 8946082.6/11

- sign 174.863+/-0.021 χ^2/NDF: 4529018.6/56

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.609+/-5.010 χ^2/NDF: 27.5/30

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.276+/-4.910 χ^2/NDF: 32.7/33

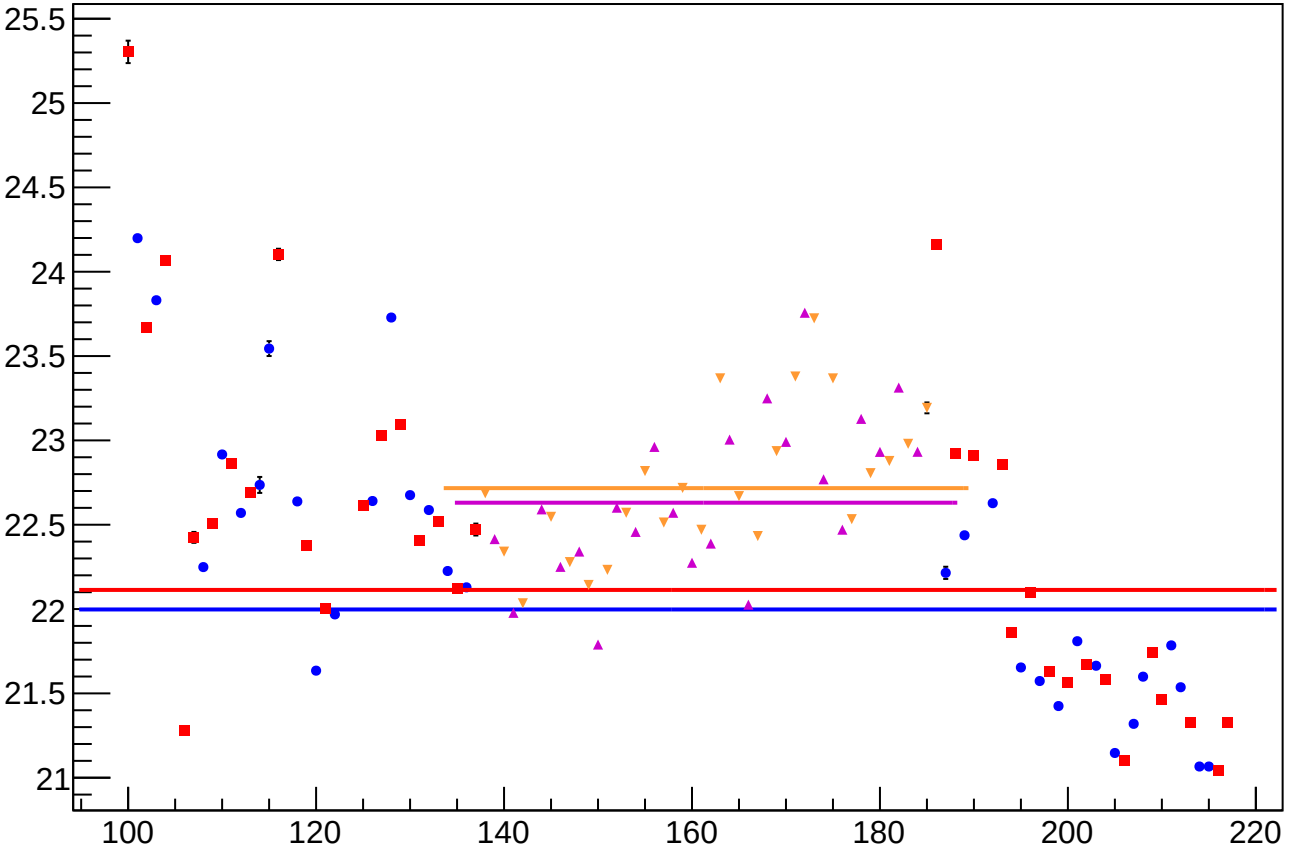
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.160+/-3.633 χ^2/NDF: 70.5/54

All: -3.265+/-2.556 χ^2/NDF: 127.2/111

- sign -7.605+/-3.598 χ^2/NDF: 53.8/56

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.998+/-0.004 χ^2/NDF: 48542.1/30

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.113+/-0.003 χ^2/NDF: 55570.3/33

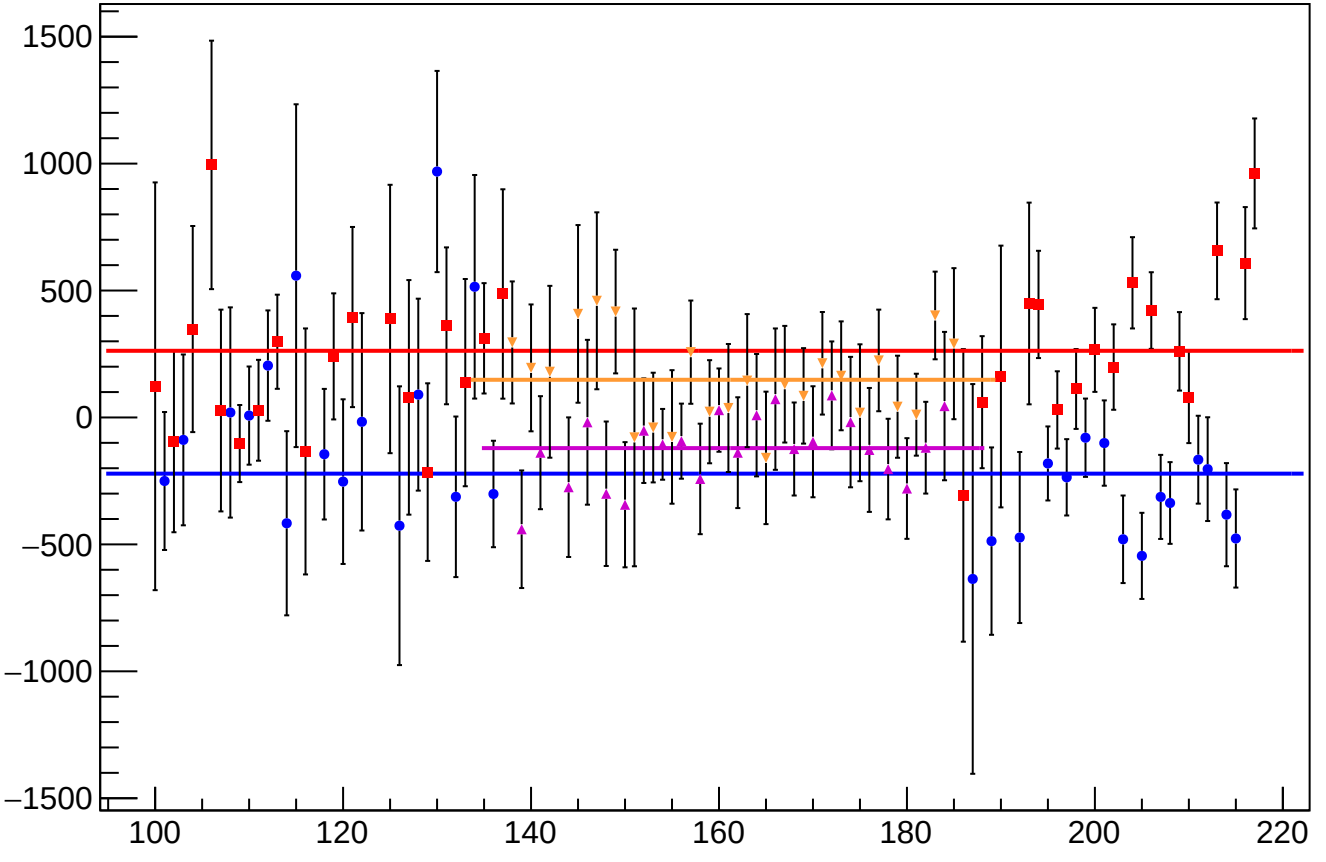
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.339+/-0.003 χ^2/NDF: 80275.9/54

All: 22.346+/-0.002 χ^2/NDF: 161526.8/111

- sign 22.353+/-0.003 χ^2/NDF: 81235.6/56

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -221.343+/-40.527 χ^2/NDF: 32.6/30

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 262.623+/-39.704 χ^2/NDF: 41.8/33

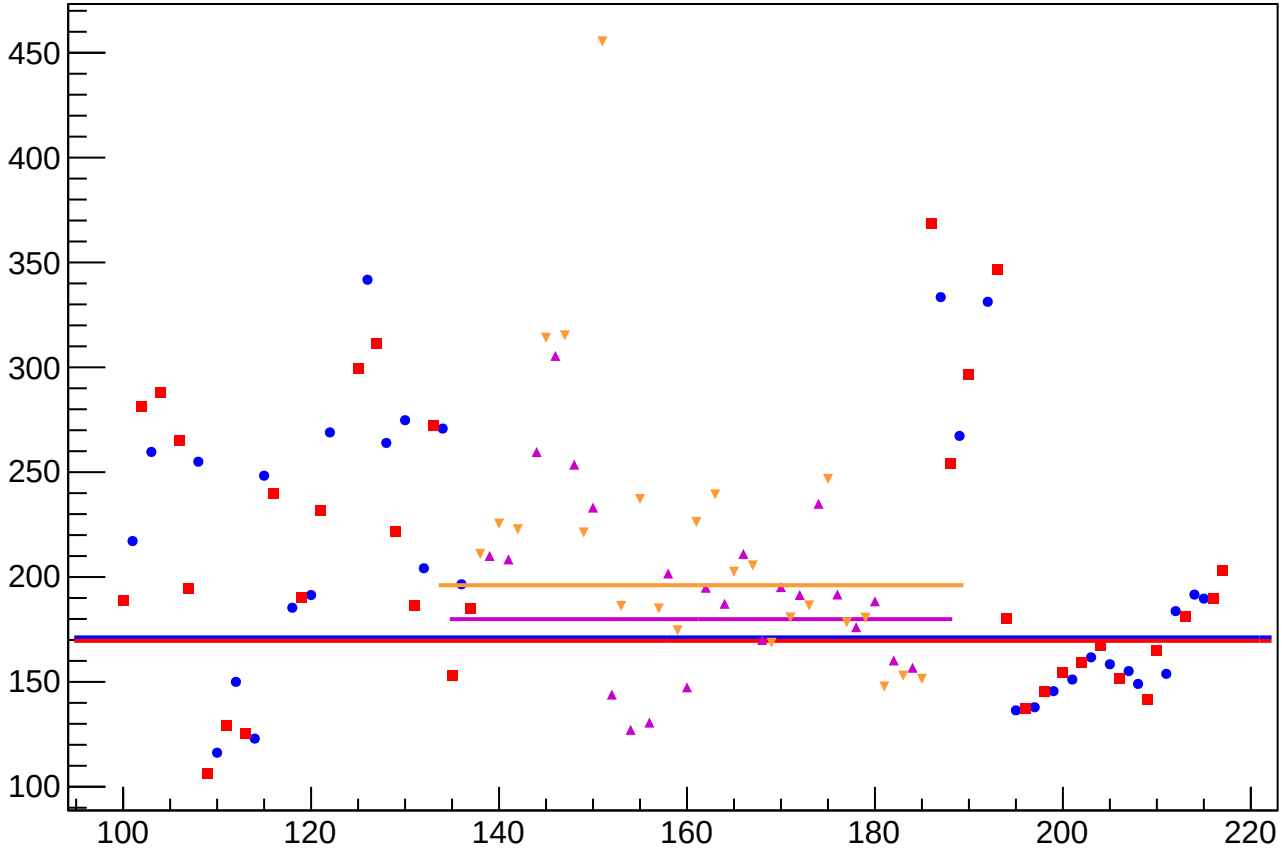
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -64.475+/-30.751 χ^2/NDF: 78.8/54

All: 16.201+/-21.271 χ^2/NDF: 183.6/111

- sign 90.209+/-29.453 χ^2/NDF: 91.6/56

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 171.215+/-0.029 χ^2/NDF: 2353108.2/30

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.577+/-0.028 χ^2/NDF: 2915877.1/33

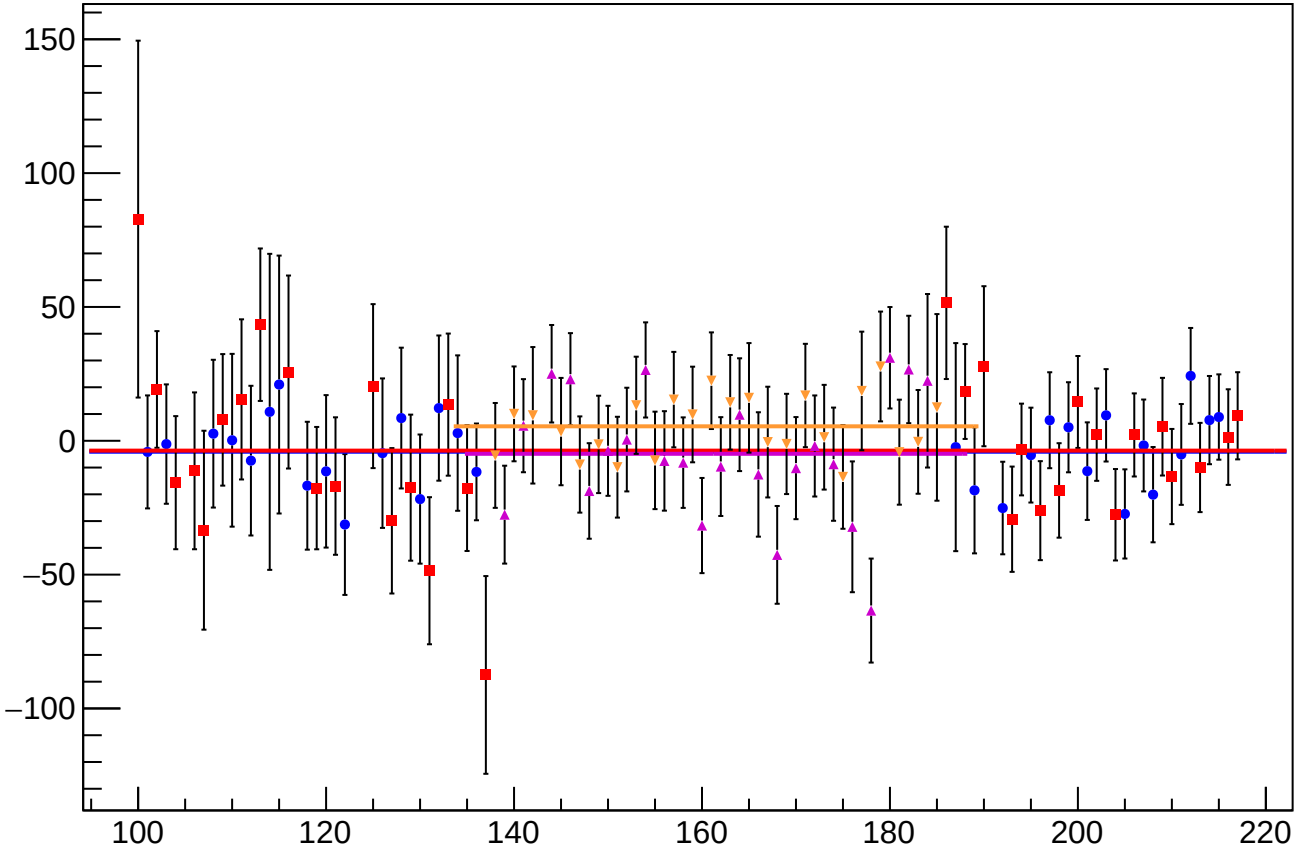
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 181.777+/-0.022 χ^2/NDF: 4399614.7/54

All: 177.841+/-0.015 χ^2/NDF: 9063547.0/11

- sign 174.230+/-0.021 χ^2/NDF: 4601098.9/56

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -4.081+/-3.815 χ^2/NDF: 13.0/30

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.676+/-3.733 χ^2/NDF: 33.8/33

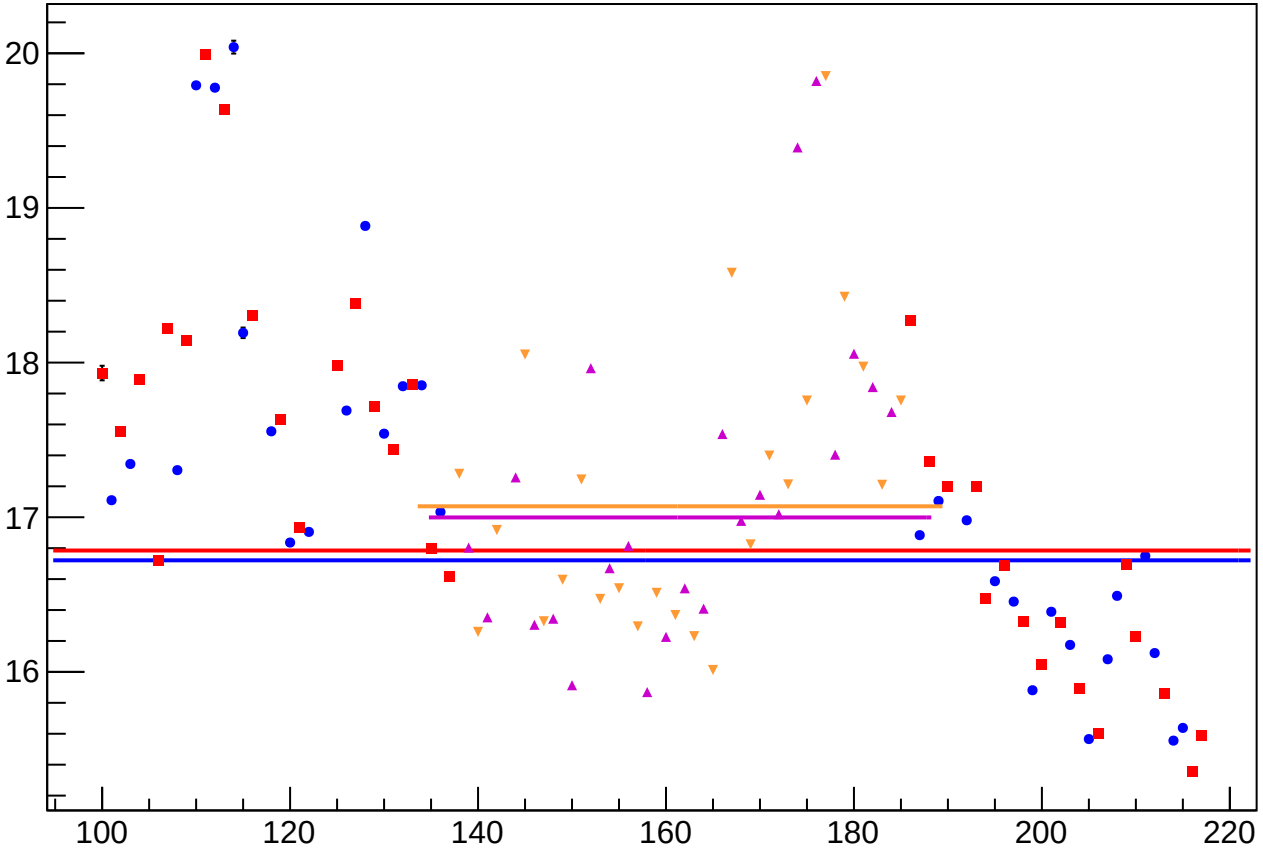
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.471+/-2.751 χ^2/NDF: 23.8/54

All: -1.904+/-1.935 χ^2/NDF: 94.7/111

- sign -4.229+/-2.723 χ^2/NDF: 69.4/56

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.721+/-0.003 χ^2/NDF: 124673.9/30

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.785+/-0.003 χ^2/NDF: 147100.9/33

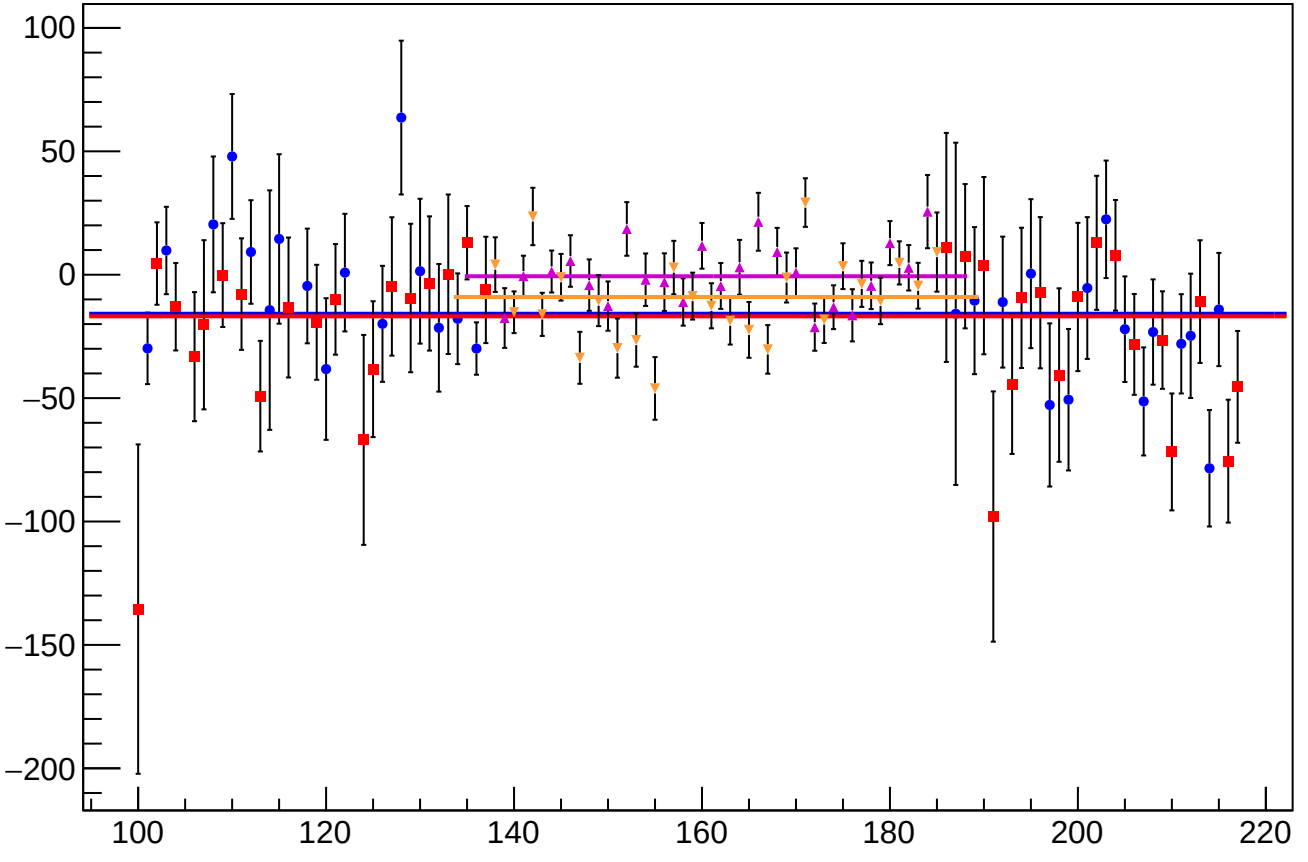
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.889+/-0.002 χ^2/NDF: 229032.7/54

All: 16.887+/-0.001 χ^2/NDF: 483228.5/111

- sign 16.885+/-0.002 χ^2/NDF: 254193.6/56

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -15.809+/-4.092 χ^2/NDF: 39.5/30

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -16.863+/-4.175 χ^2/NDF: 36.4/35

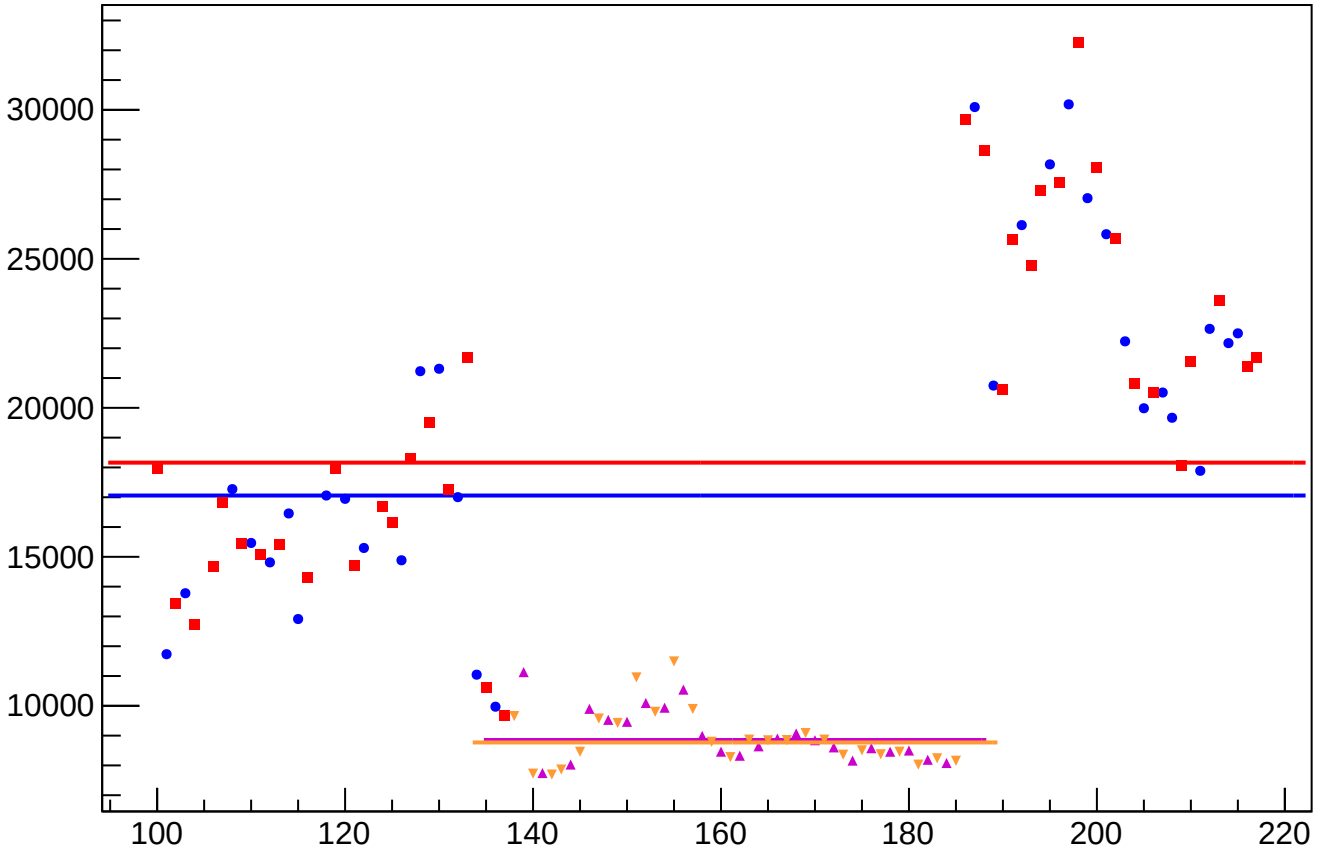
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -10.342+/-1.802 χ^2/NDF: 103.7/55

All: -7.204+/-1.294 χ^2/NDF: 188.0/114

- sign -3.854+/-1.861 χ^2/NDF: 78.0/58

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 17057.225+/-2.894 χ^2/NDF: 3481274.5/30

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 18161.207+/-2.952 χ^2/NDF: 3341826.6/35

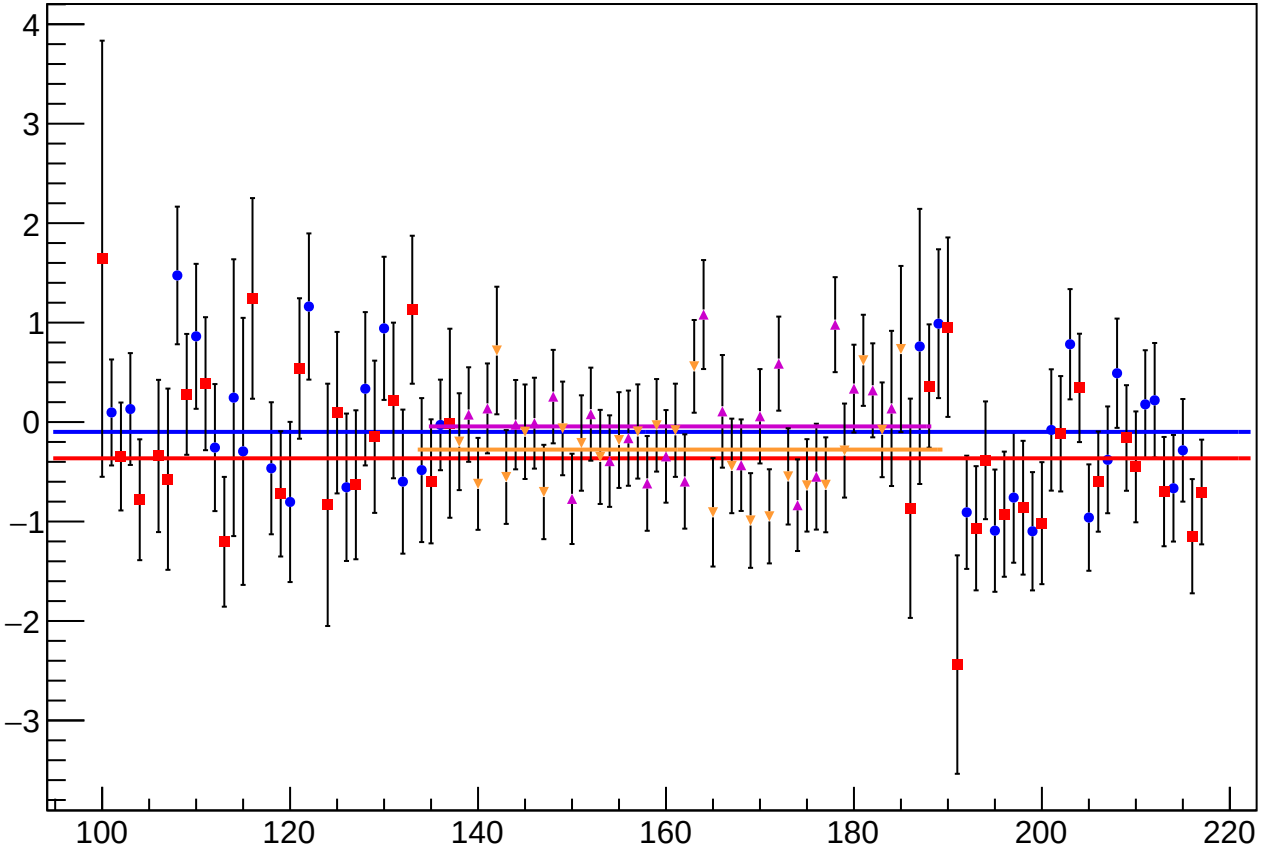
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10376.332+/-1.274 χ^2/NDF: 10438206.2/55

All: 10534.227+/-0.915 χ^2/NDF: 22077639.8

- sign 10702.755+/-1.316 χ^2/NDF: 11607673.2/58

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.099+/-0.114 χ^2/NDF: 34.4/30

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.364+/-0.112 χ^2/NDF: 31.4/35

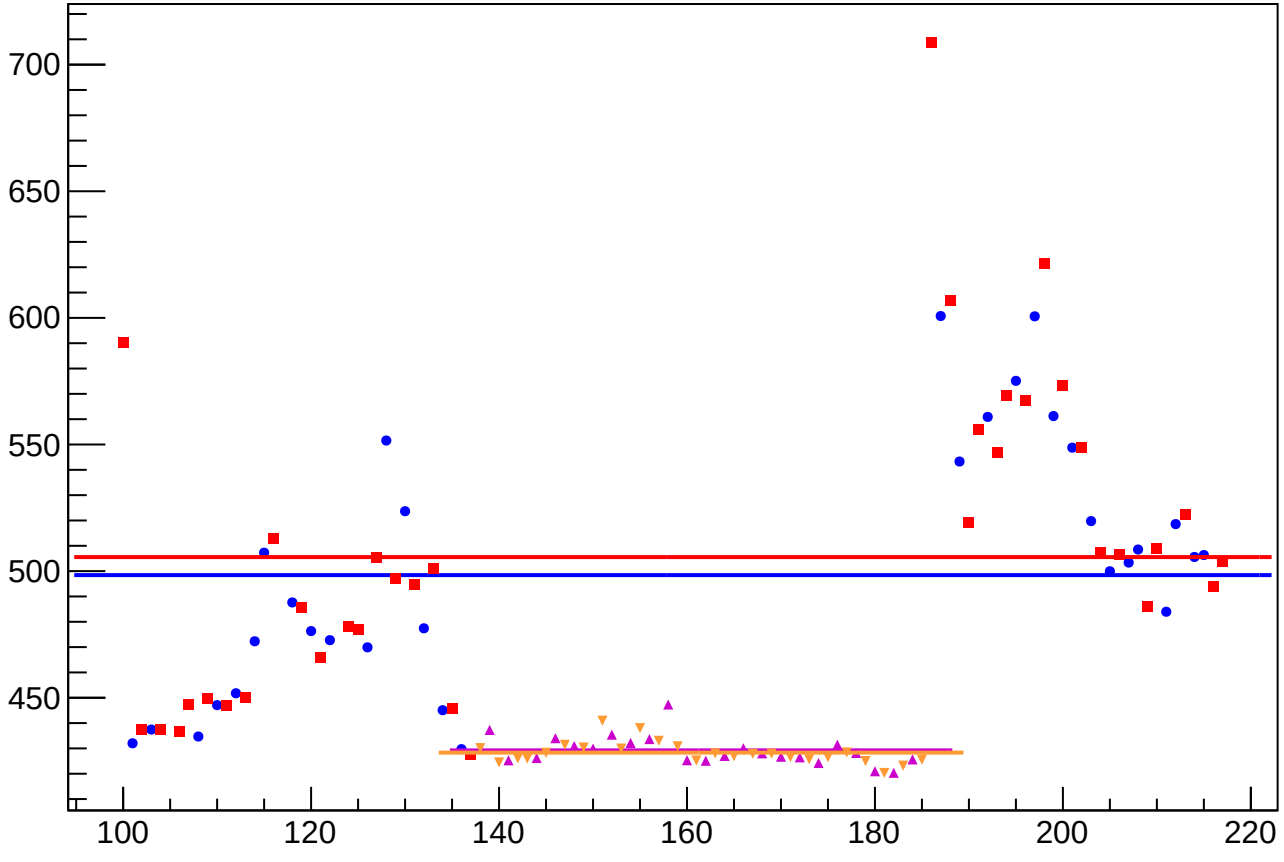
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.202+/-0.074 χ^2/NDF: 56.9/55

All: -0.194+/-0.053 χ^2/NDF: 116.7/114

- sign -0.187+/-0.075 χ^2/NDF: 59.7/58

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.428+/-0.081 χ^2/NDF: 336956.2/30

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.549+/-0.079 χ^2/NDF: 452617.4/35

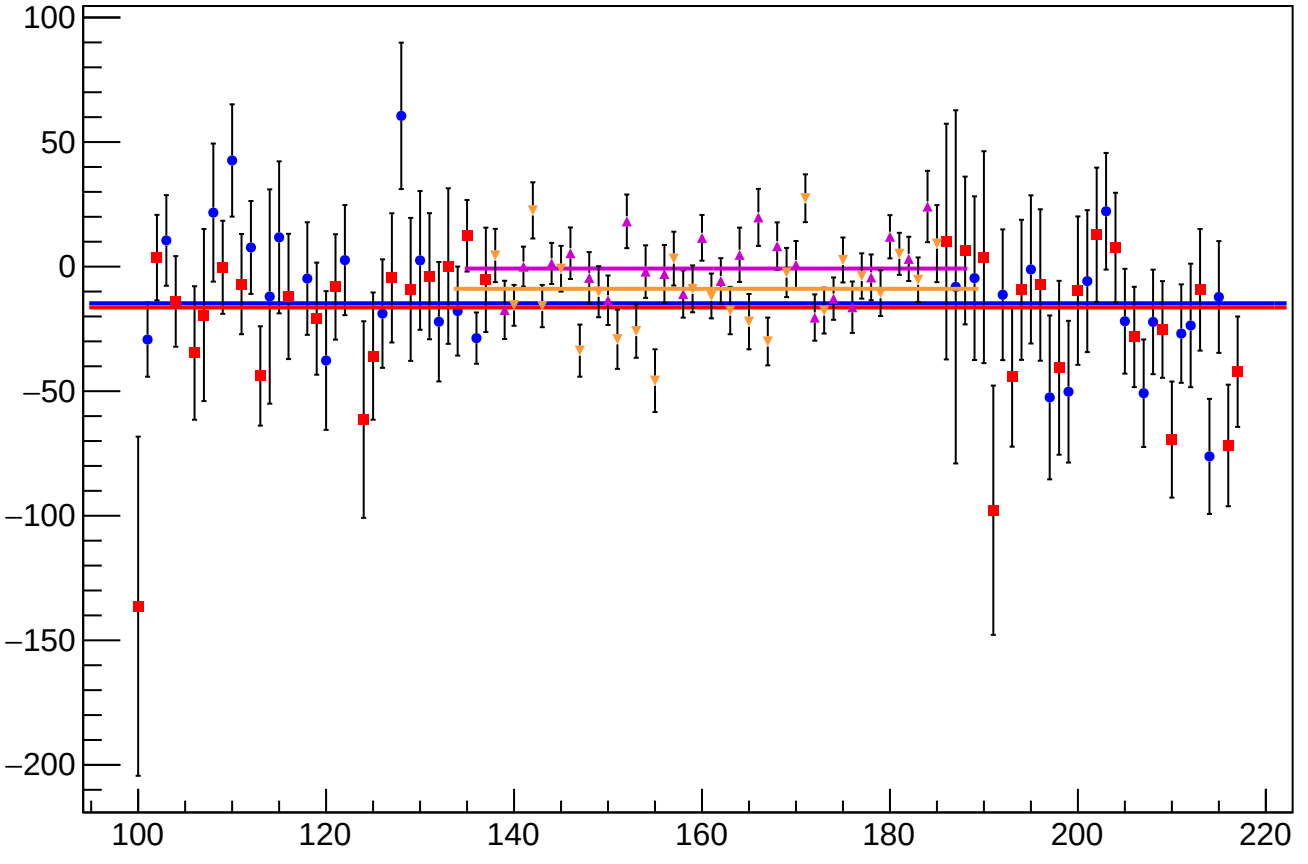
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 457.888+/-0.052 χ^2/NDF: 778358.4/55

All: 460.556+/-0.037 χ^2/NDF: 1760149.6/114

- sign 463.267+/-0.053 χ^2/NDF: 976549.2/58

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -14.701+/-3.981 χ^2/NDF: 40.1/30

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

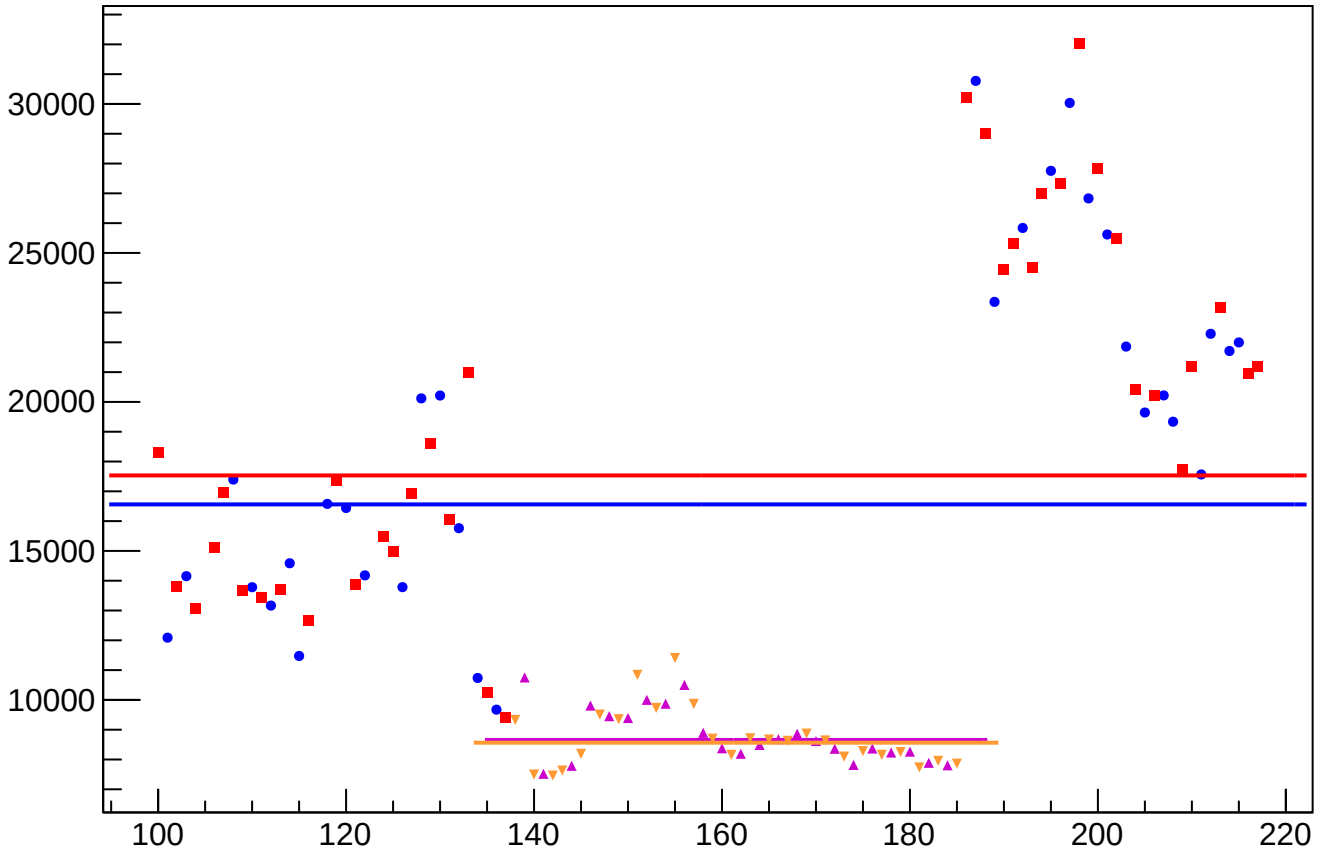
Right Out: -16.388+/-4.048 χ^2/NDF: 35.2/35

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -10.036+/-1.759 χ^2/NDF: 103.4/55

All: -7.078+/-1.264 χ^2/NDF: 185.6/114

- sign -3.920+/-1.817 χ^2/NDF: 76.3/58



Right In: 16561.366+/-2.815 χ^2/NDF: 3666647.9/30

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17533.085+/-2.863 χ^2/NDF: 3666175.9/35

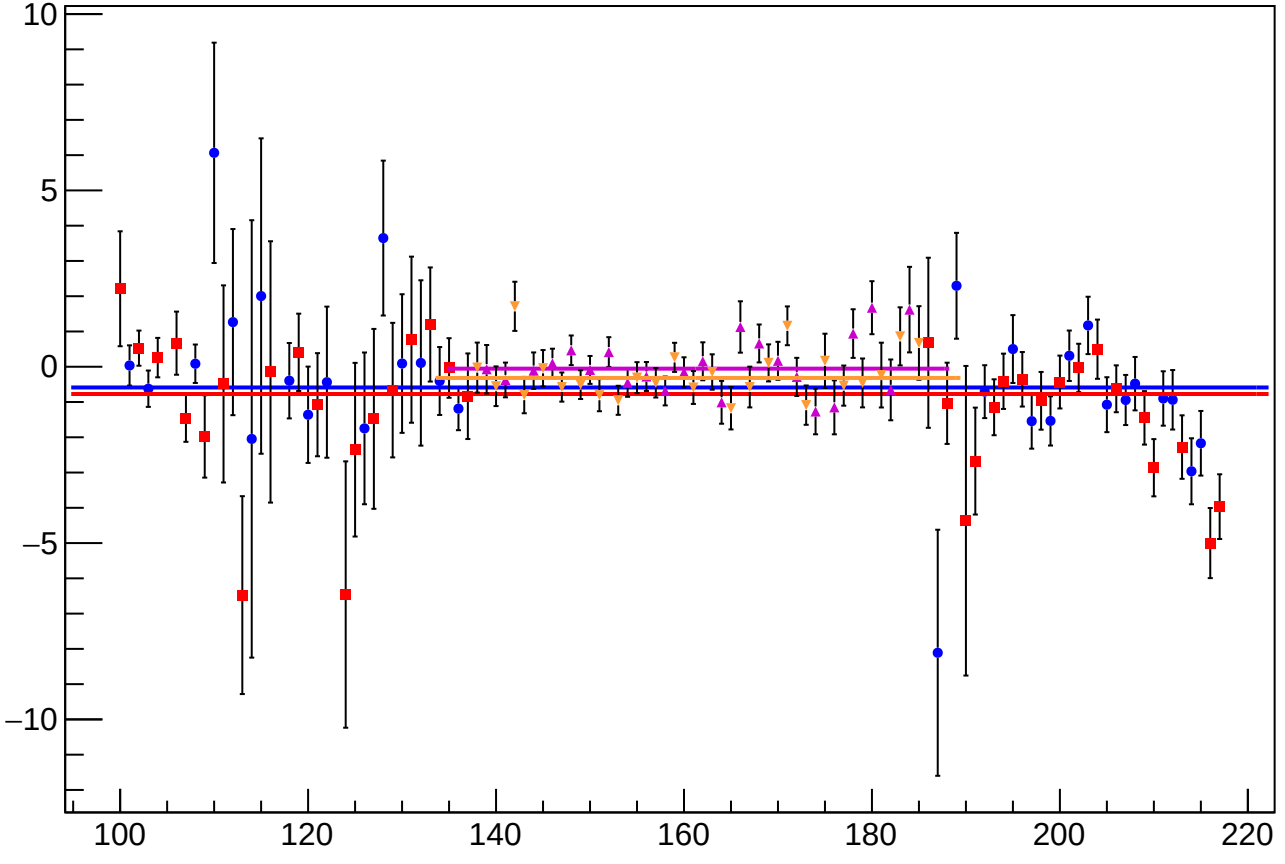
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 10125.618+/-1.244 χ^2/NDF: 10561481.9/55

All: 10279.470+/-0.894 χ^2/NDF: 22286009.8

- sign 10443.702+/-1.285 χ^2/NDF: 11692897.0/58

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.588+/-0.162 χ^2/NDF: 43.4/30

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.773+/-0.160 χ^2/NDF: 76.7/35

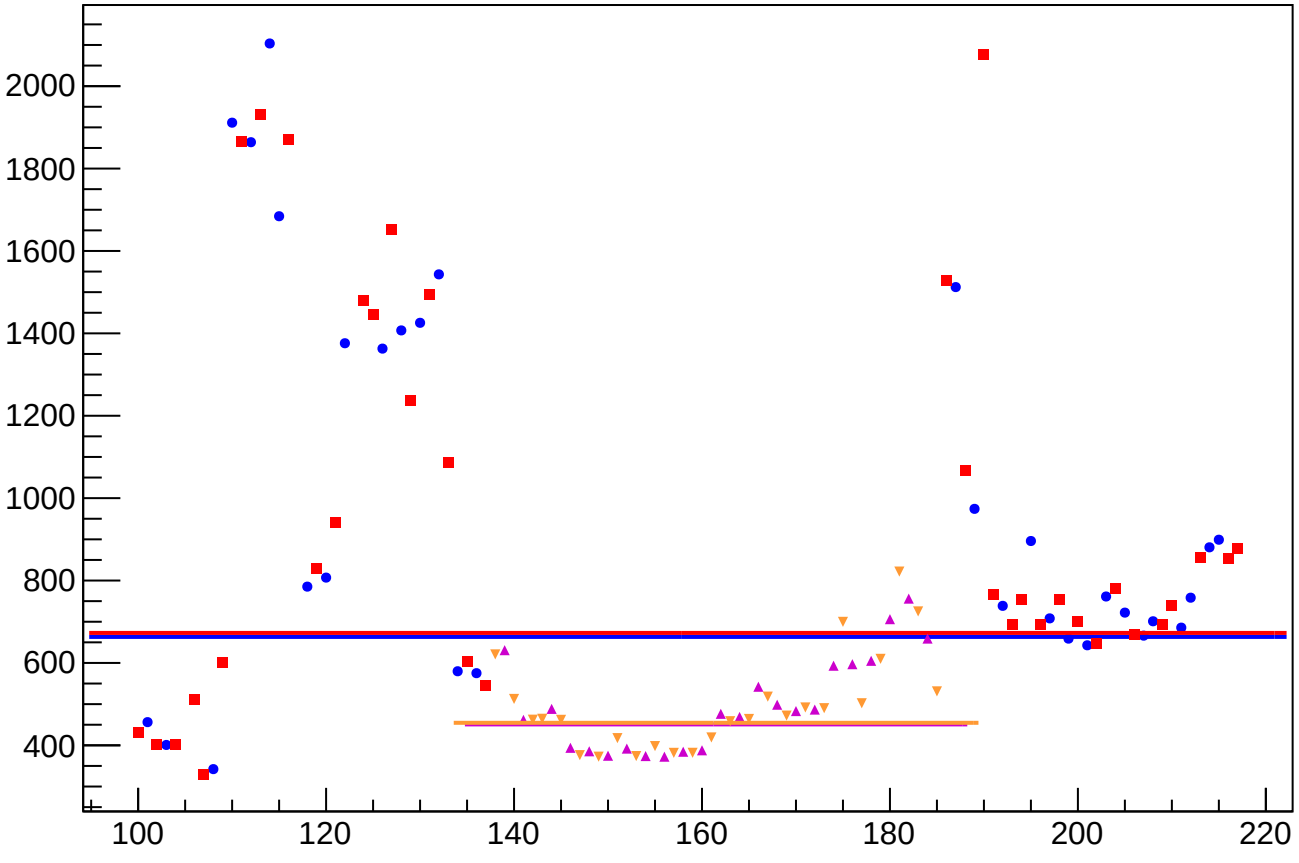
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.399+/-0.089 χ^2/NDF: 77.6/55

All: -0.339+/-0.063 χ^2/NDF: 198.8/114

- sign -0.279+/-0.090 χ^2/NDF: 120.3/58

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 663.148+/-0.115 χ^2/NDF: 4433664.7/30

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 672.850+/-0.113 χ^2/NDF: 5002744.5/35

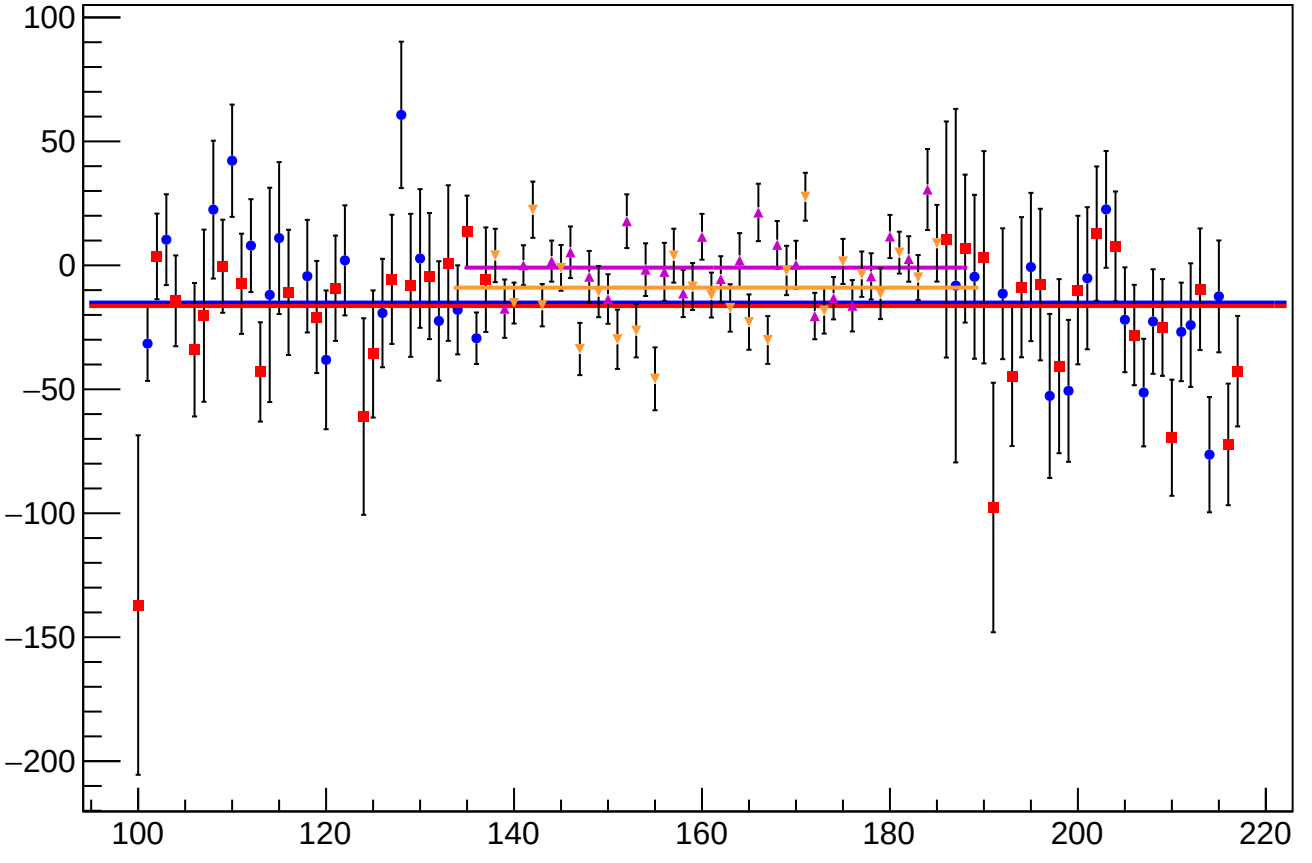
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 517.180+/-0.063 χ^2/NDF: 8204452.6/55

All: 518.631+/-0.045 χ^2/NDF: 17313811.3/11

- sign 520.114+/-0.063 χ^2/NDF: 9108276.6/58

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -15.020+/-4.006 χ^2/NDF: 40.5/30

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -16.424+/-4.075 χ^2/NDF: 34.9/35

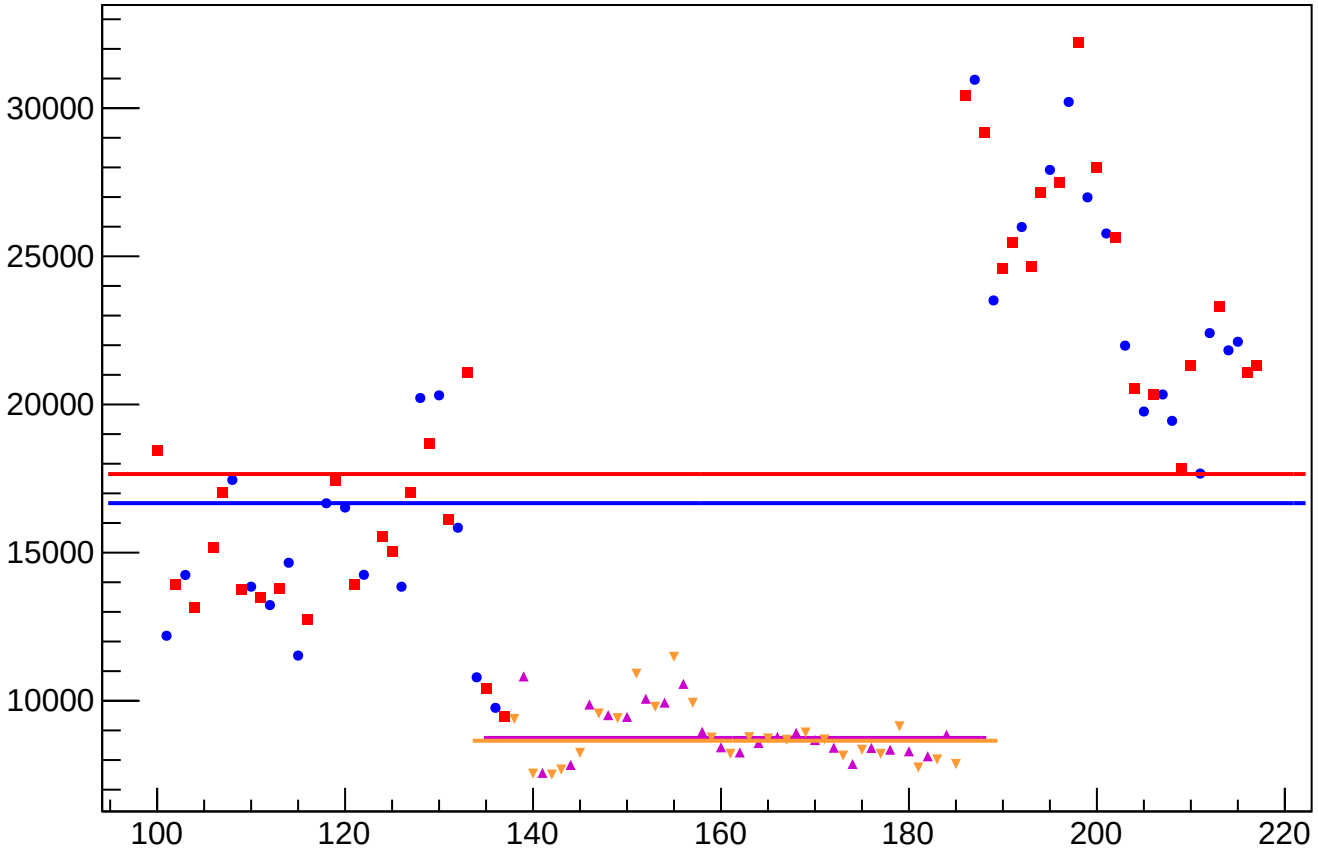
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -10.184+/-1.776 χ^2/NDF: 103.6/55

All: -7.227+/-1.276 χ^2/NDF: 185.6/114

- sign -4.070+/-1.835 χ^2/NDF: 76.3/58

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16669.582+/-2.833 χ^2/NDF: 3649043.3/30

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17651.935+/-2.881 χ^2/NDF: 3641007.5/35

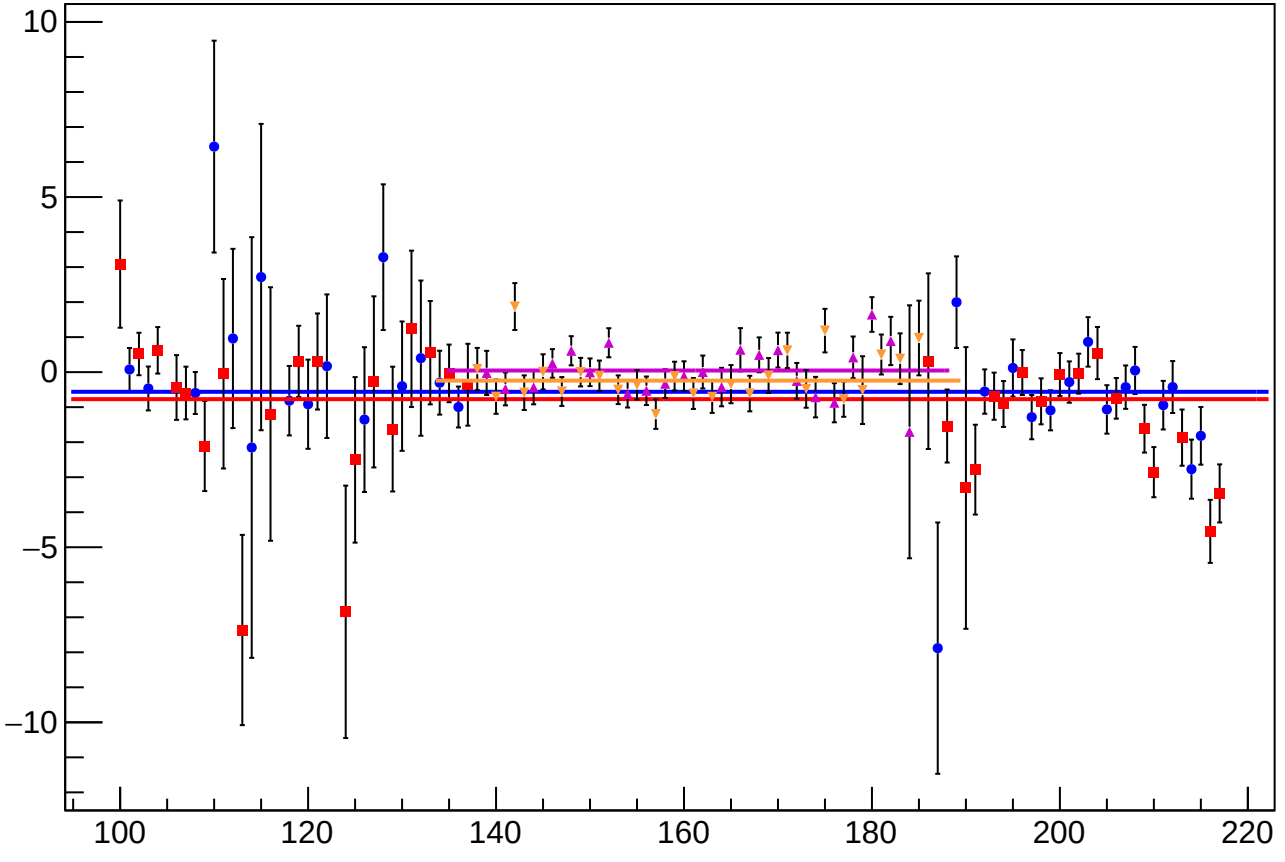
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10228.009+/-1.256 χ^2/NDF: 10489717.9/55

All: 10385.171+/-0.903 χ^2/NDF: 22110426.4

- sign 10552.937+/-1.298 χ^2/NDF: 11588340.7/58

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.562+/-0.151 χ^2/NDF: 38.2/30

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.772+/-0.150 χ^2/NDF: 79.8/35

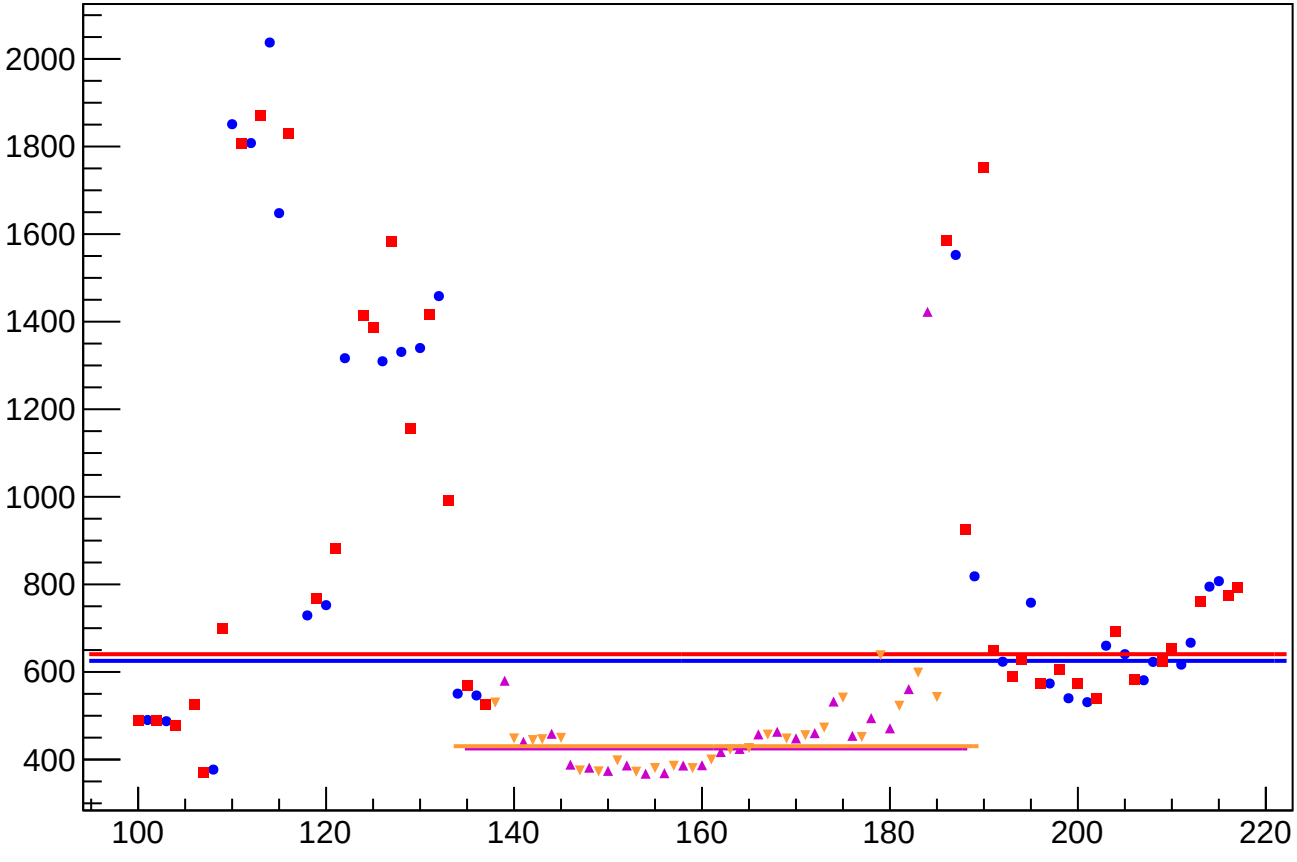
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.340+/-0.083 χ^2/NDF: 75.6/55

All: -0.275+/-0.059 χ^2/NDF: 211.9/114

- sign -0.210+/-0.084 χ^2/NDF: 135.1/58

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 625.335+/-0.107 χ^2/NDF: 3401921.1/30

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 640.581+/-0.106 χ^2/NDF: 3692398.9/35

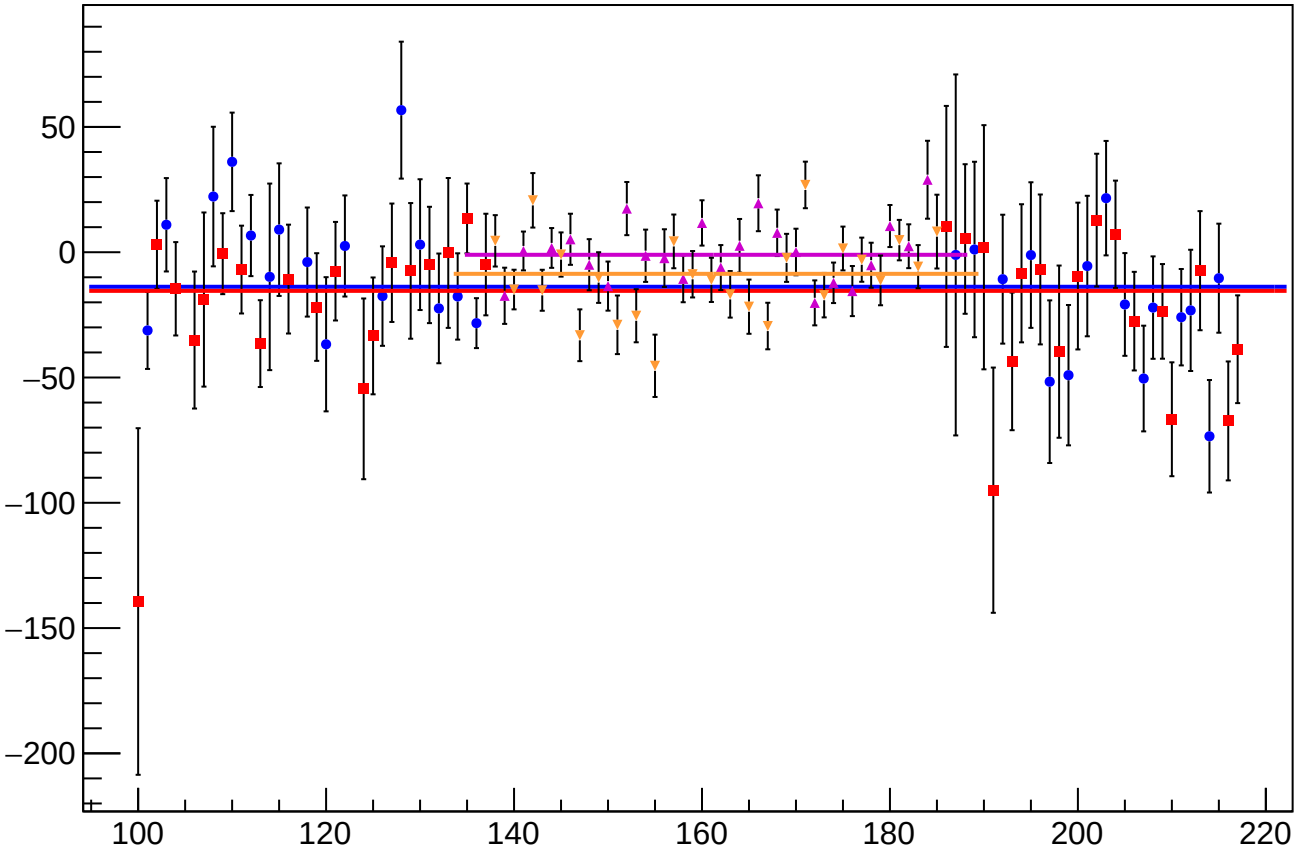
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 490.212+/-0.059 χ^2/NDF: 6370298.1/55

All: 491.460+/-0.042 χ^2/NDF: 13593320.3/11

- sign 492.730+/-0.060 χ^2/NDF: 7222119.5/58

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -13.785+/-3.823 χ^2/NDF: 41.3/30

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -15.420+/-3.866 χ^2/NDF: 34.0/35

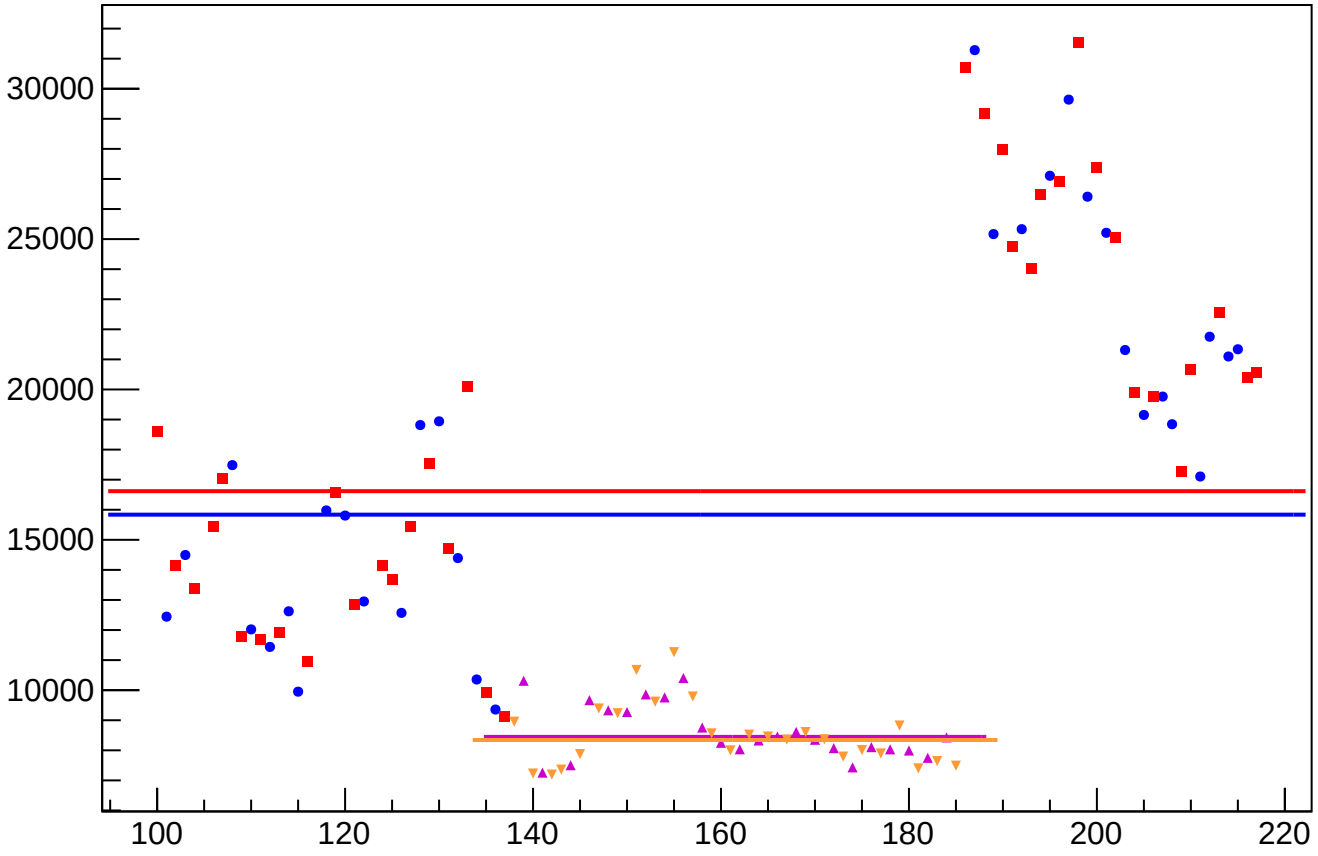
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -9.657+/-1.711 χ^2/NDF: 104.4/55

All: -6.936+/-1.229 χ^2/NDF: 184.4/114

- sign -4.034+/-1.767 χ^2/NDF: 74.8/58

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 15836.672+/-2.703 χ^2/NDF: 3979258.5/30

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 16618.505+/-2.734 χ^2/NDF: 4207278.2/35

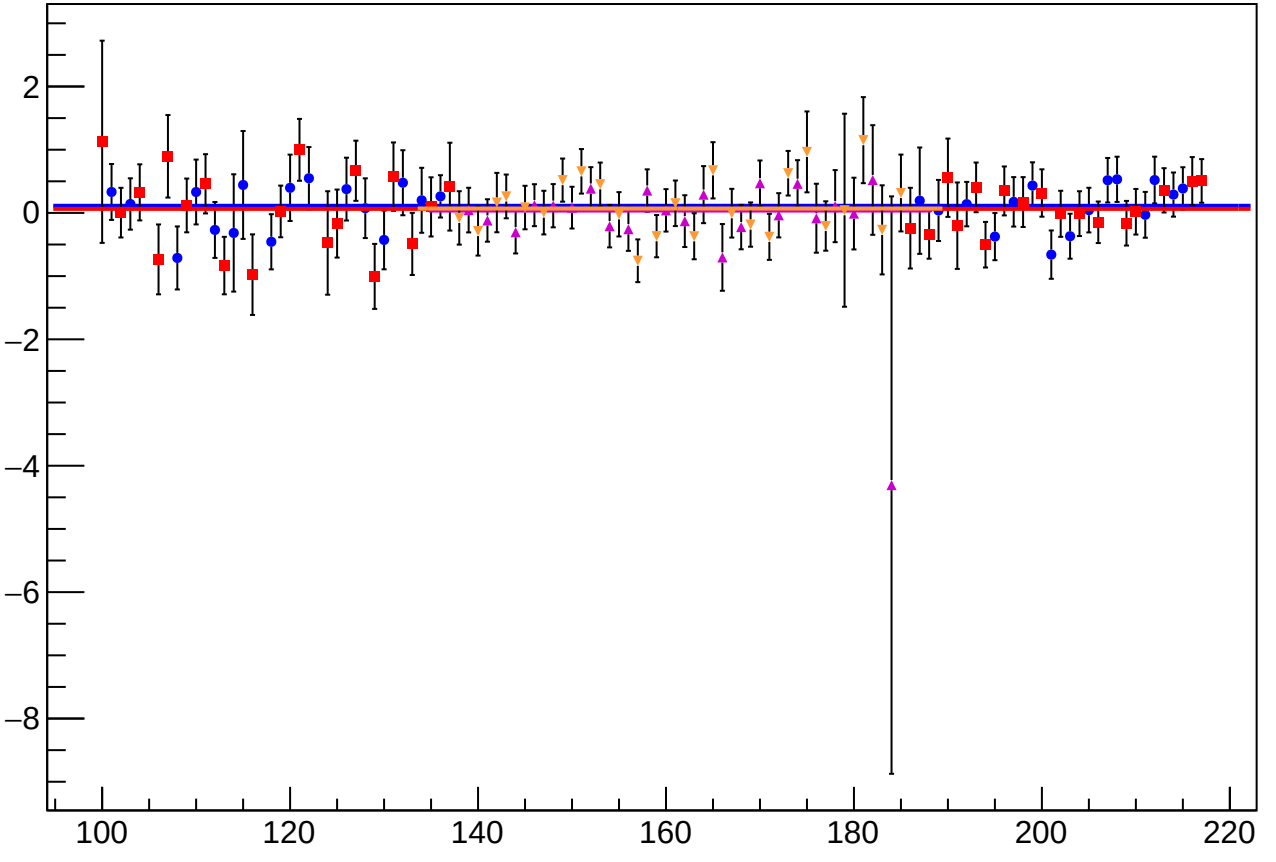
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9844.828+/-1.210 χ^2/NDF: 10592391.8/55

All: 9994.235+/-0.869 χ^2/NDF: 22281638.5/1

- sign 10153.625+/-1.249 χ^2/NDF: 11657719.6/58

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.113+/-0.076 χ^2/NDF: 22.9/30

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.064+/-0.074 χ^2/NDF: 35.5/35

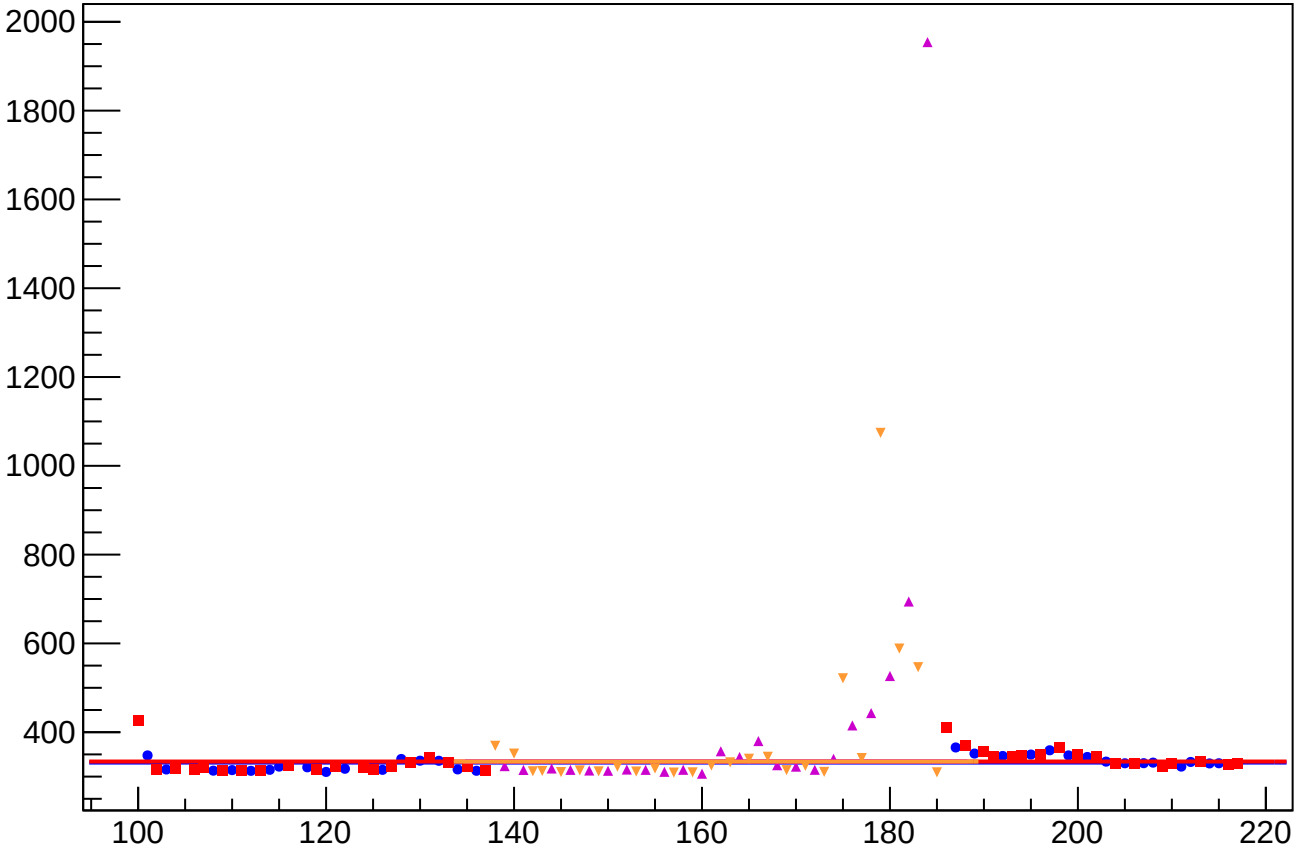
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.092+/-0.055 χ^2/NDF: 51.2/55

All: 0.072+/-0.039 χ^2/NDF: 98.7/114

- sign 0.052+/-0.054 χ^2/NDF: 47.2/58

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.551+/-0.053 χ^2/NDF: 64328.7/30

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 333.971+/-0.052 χ^2/NDF: 119761.1/35

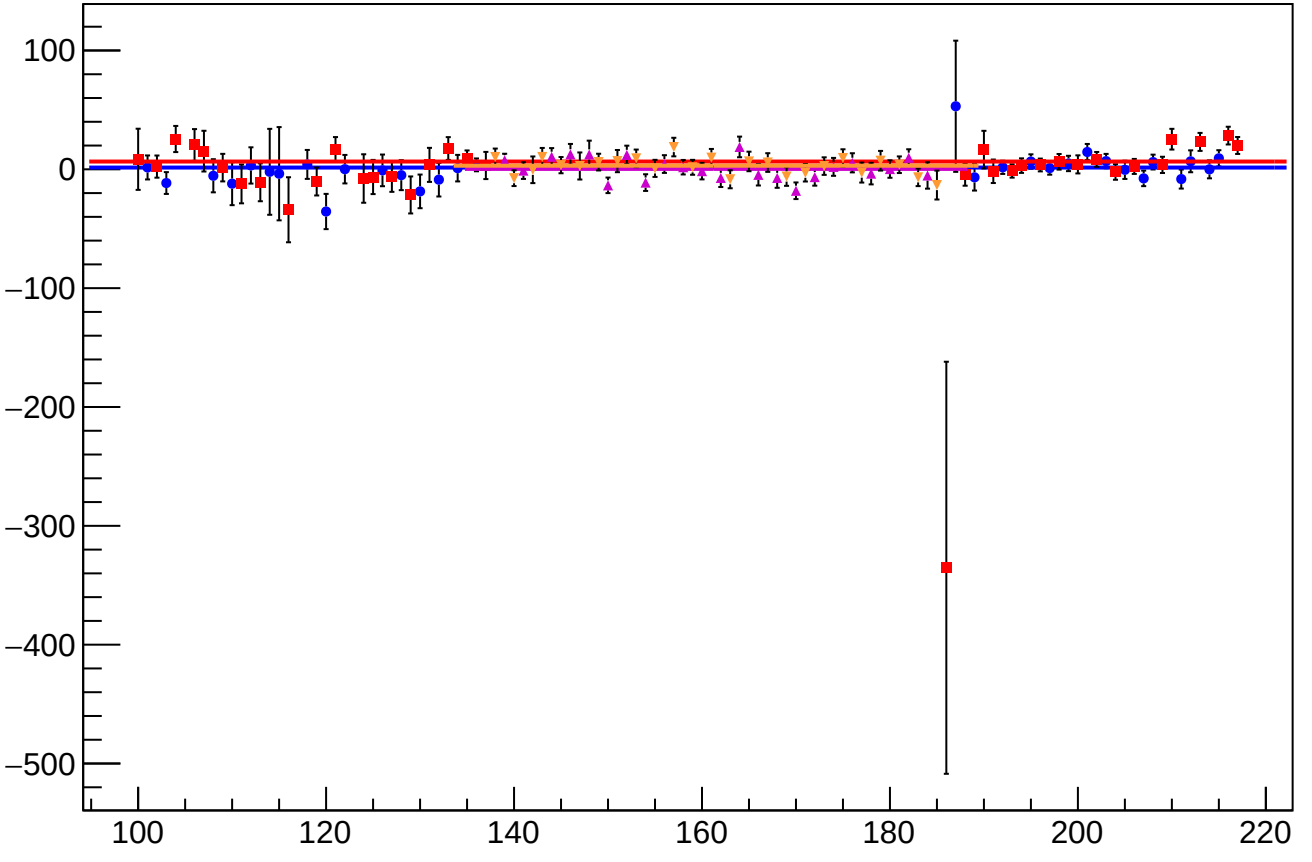
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.618+/-0.039 χ^2/NDF: 1282417.8/55

All: 333.299+/-0.027 χ^2/NDF: 2453781.3/114

- sign 333.974+/-0.038 χ^2/NDF: 1170745.3/58

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.481+/-1.536 χ^2/NDF: 24.7/30

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

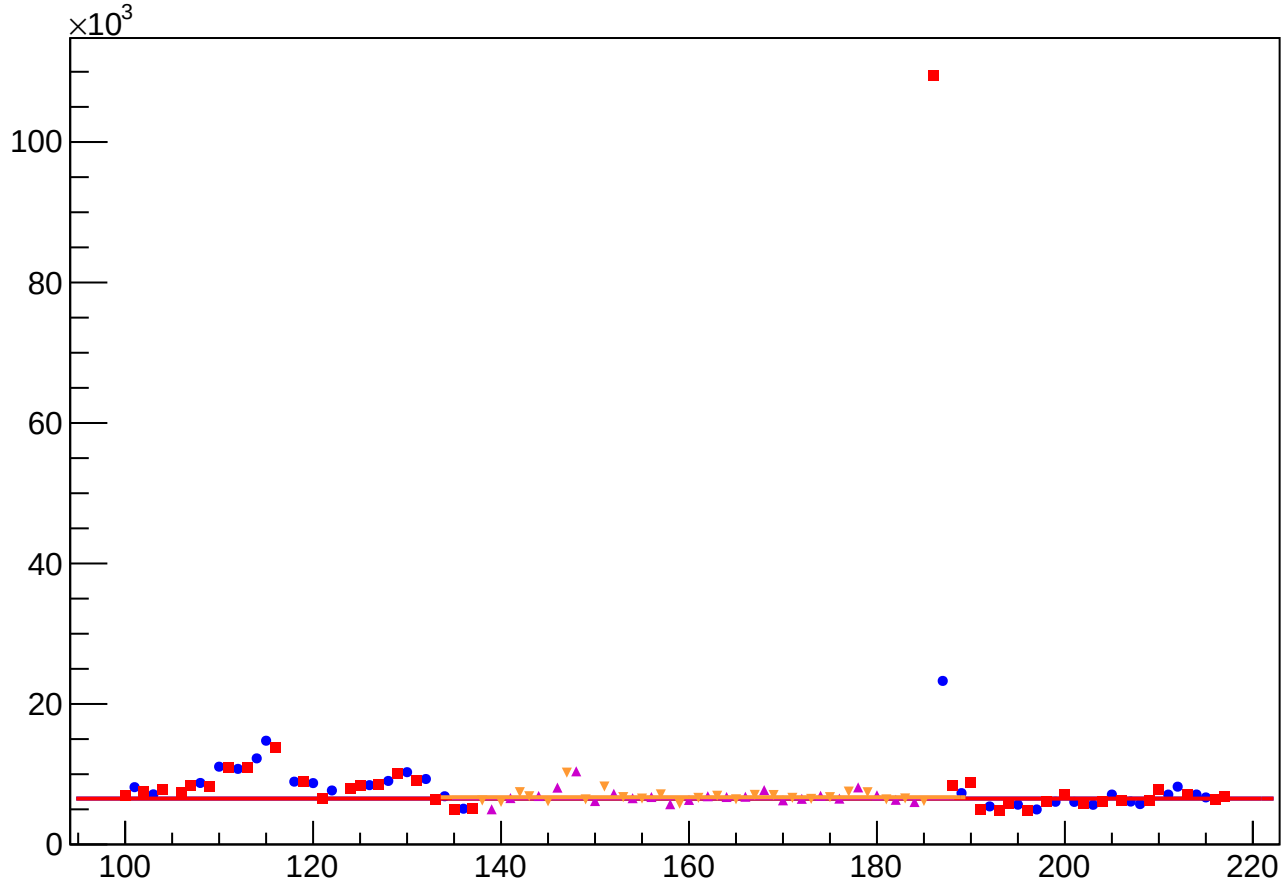
Right Out: 6.549+/-1.494 χ^2/NDF: 52.8/35

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

\+ sign 2.249+/-1.088 χ^2/NDF: 45.6/55

All: 2.929+/-0.767 χ^2/NDF: 141.1/114

\- sign 3.601+/-1.082 χ^2/NDF: 94.8/58



Right In: 6533.272+/-1.086 χ^2/NDF: 1832207.3/30

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6527.713+/-1.056 χ^2/NDF: 2444949.8/35

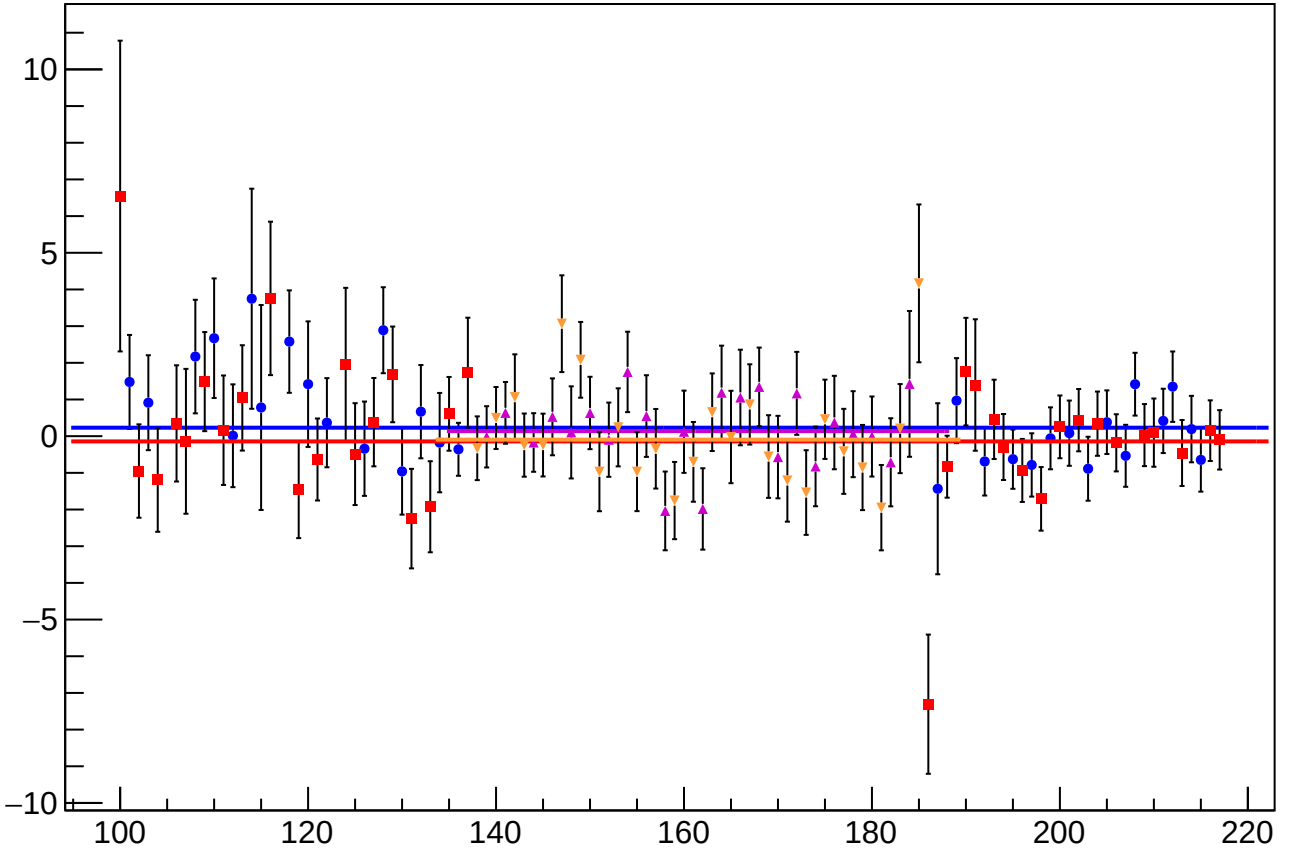
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6627.760+/-0.769 χ^2/NDF: 2250727.3/55

All: 6602.565+/-0.542 χ^2/NDF: 5332002.0/11

- sign 6577.662+/-0.765 χ^2/NDF: 3079142.1/58

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.231+/-0.191 χ^2/NDF: 28.4/30

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.143+/-0.185 χ^2/NDF: 43.3/35

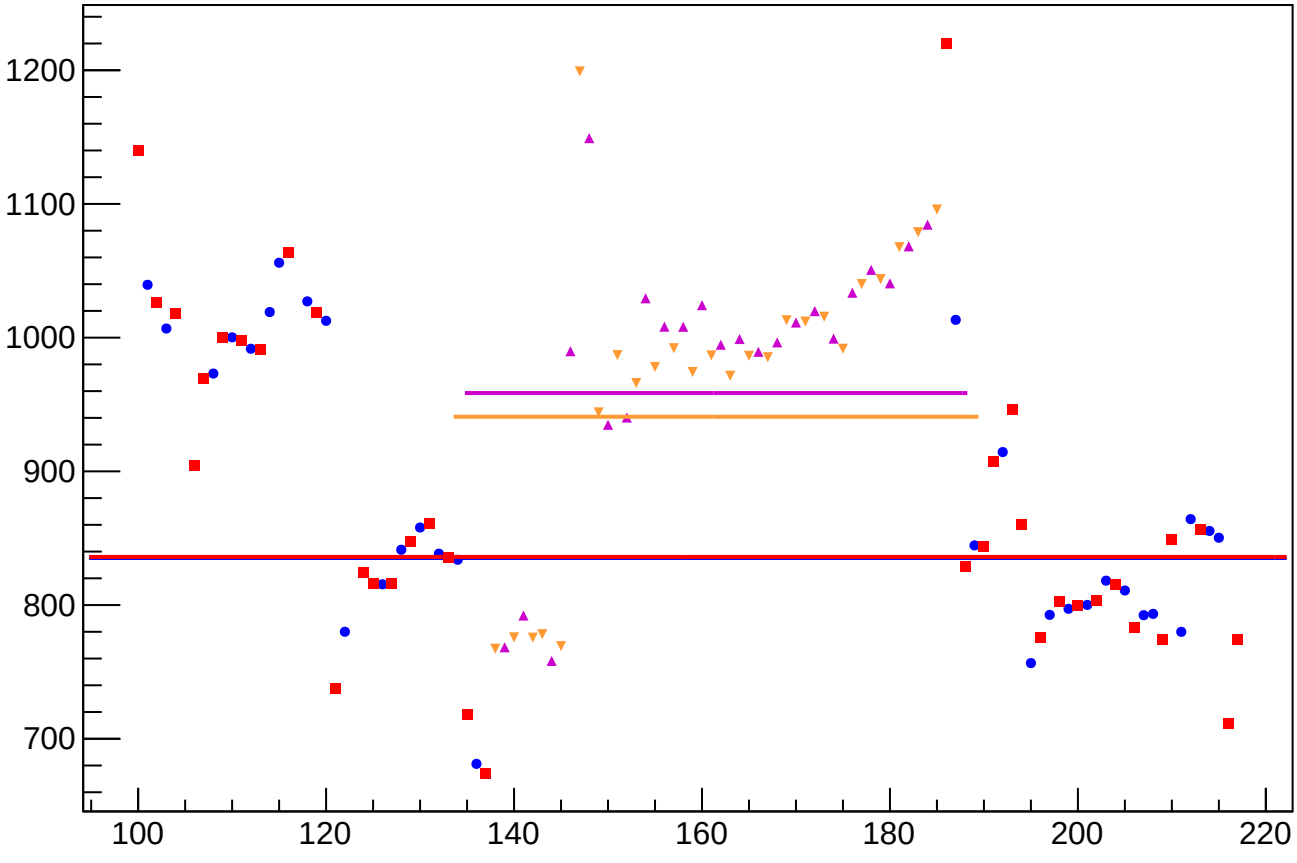
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

\+ sign 0.088+/-0.143 χ^2/NDF: 57.0/55

All: 0.029+/-0.101 χ^2/NDF: 118.1/114

\- sign -0.030+/-0.143 χ^2/NDF: 60.7/58

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 835.227+/-0.135 χ^2/NDF: 403900.1/30

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 835.999+/-0.131 χ^2/NDF: 513247.2/35

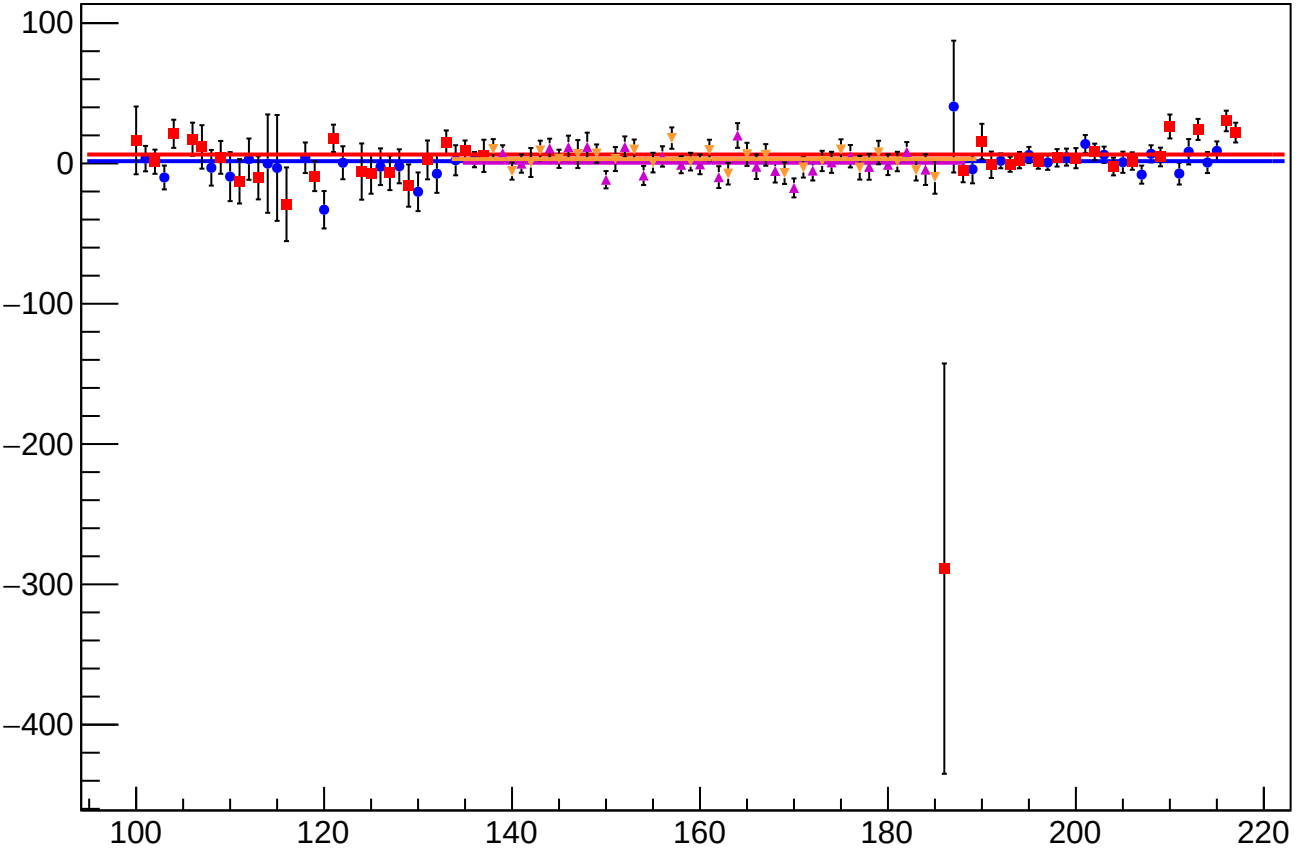
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 881.745+/-0.101 χ^2/NDF: 1241802.4/55

All: 883.521+/-0.071 χ^2/NDF: 2566291.7/114

- sign 885.297+/-0.101 χ^2/NDF: 1323871.6/58

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.618+/-1.474 χ^2/NDF: 24.6/30

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 6.366+/-1.427 χ^2/NDF: 57.2/35

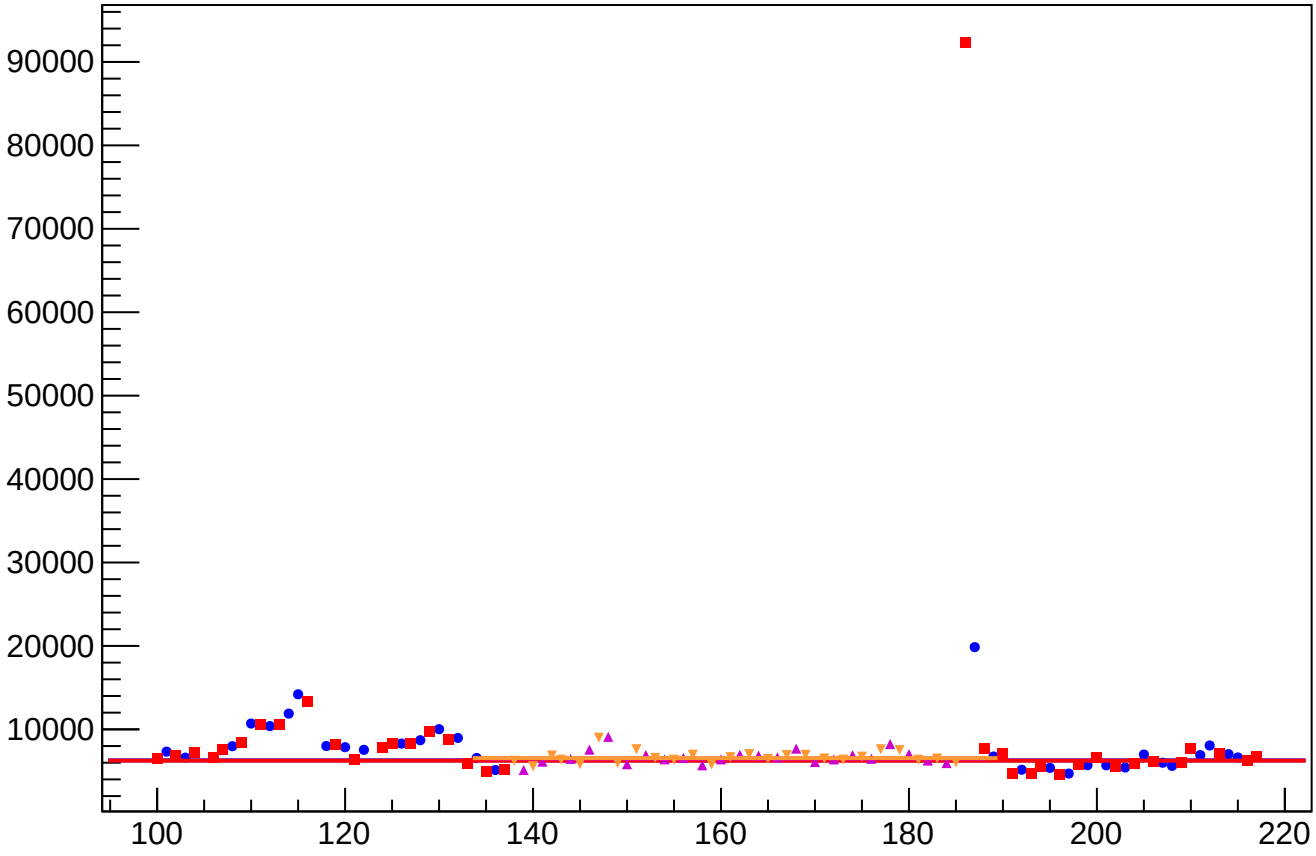
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.346+/-1.052 χ^2/NDF: 43.7/55

All: 3.004+/-0.741 χ^2/NDF: 141.5/114

- sign 3.655+/-1.045 χ^2/NDF: 97.0/58

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6282.720+/-1.043 χ^2/NDF: 1765885.0/30

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6249.561+/-1.009 χ^2/NDF: 2399908.3/35

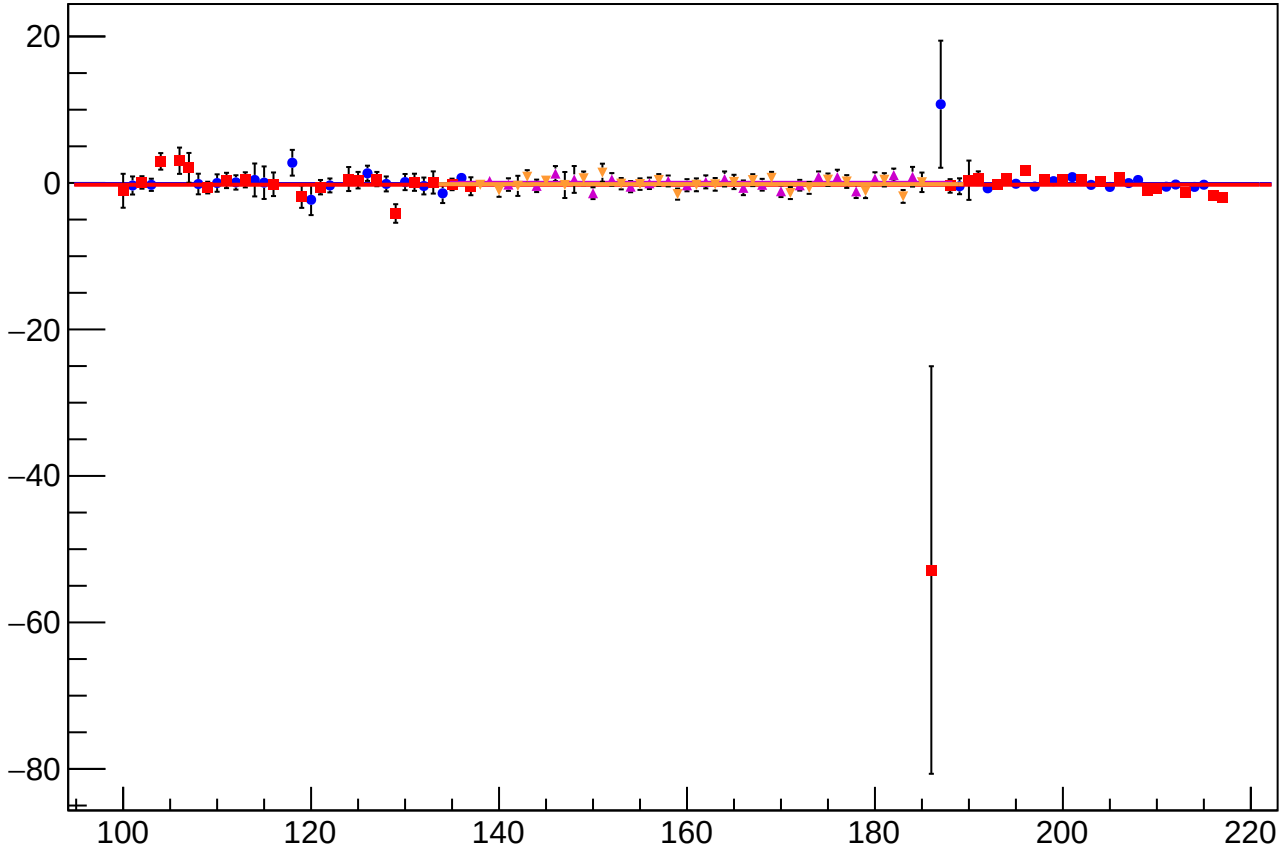
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6413.498+/-0.744 χ^2/NDF: 2163983.3/55

All: 6390.629+/-0.524 χ^2/NDF: 5110990.0/11

- sign 6368.037+/-0.739 χ^2/NDF: 2945126.3/58

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.146+/-0.121 χ^2/NDF: 18.8/30

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.244+/-0.120 χ^2/NDF: 91.1/35

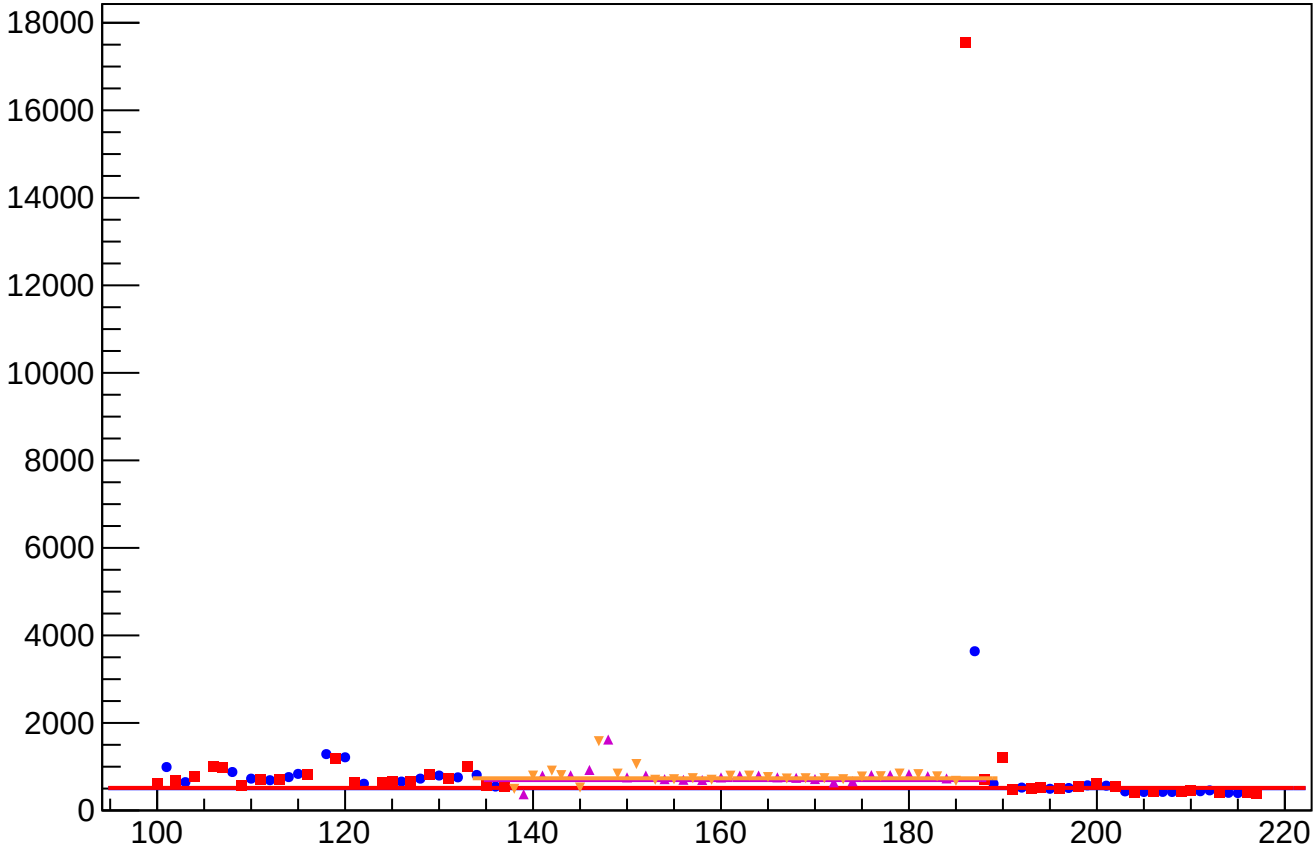
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.151+/-0.099 χ^2/NDF: 37.8/55

All: -0.154+/-0.070 χ^2/NDF: 145.7/114

- sign -0.156+/-0.098 χ^2/NDF: 108.0/58

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 507.227+/-0.086 χ^2/NDF: 2737782.3/30

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 515.593+/-0.085 χ^2/NDF: 3225458.5/35

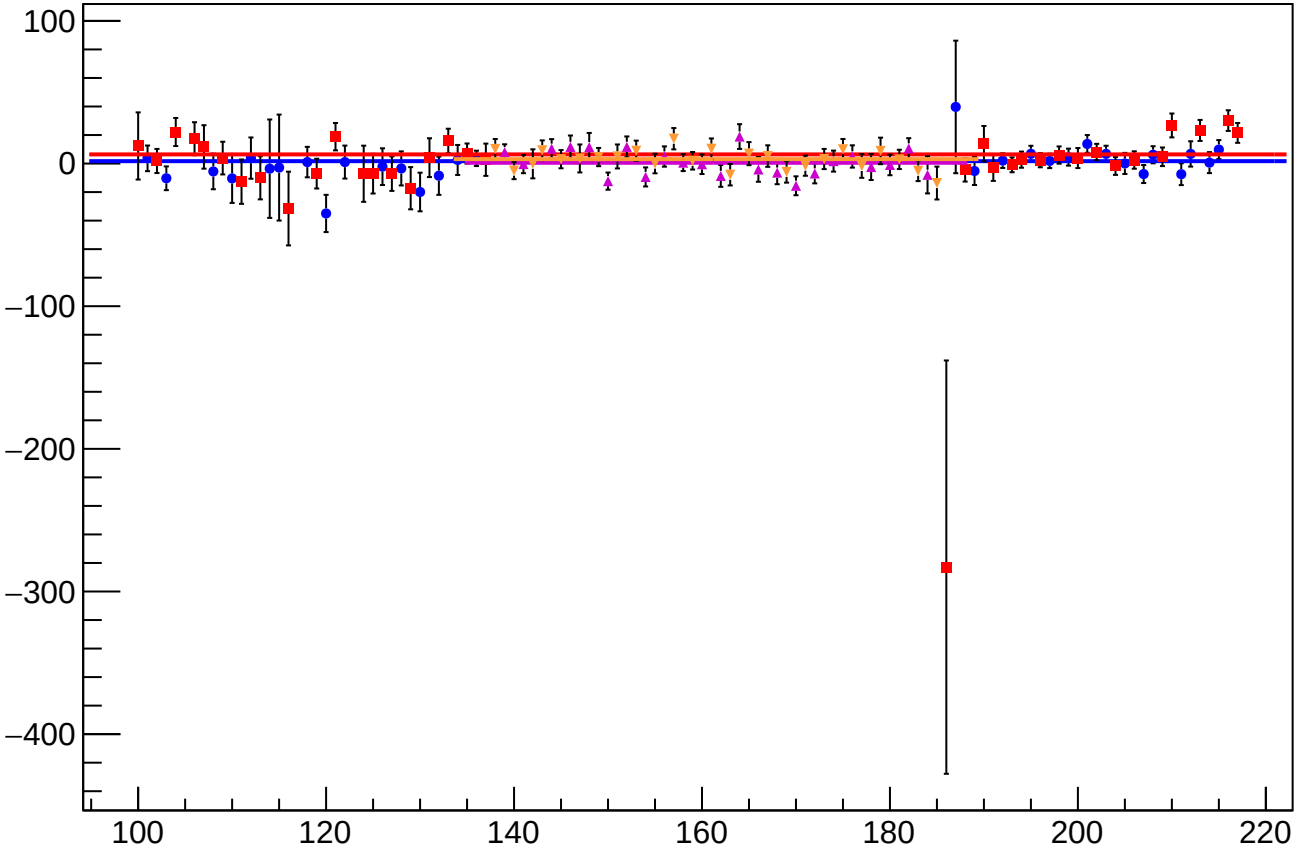
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 582.549+/-0.070 χ^2/NDF: 6421392.7/55

All: 579.003+/-0.049 χ^2/NDF: 13358963.7/11

- sign 575.531+/-0.069 χ^2/NDF: 6932490.4/58

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.677+/-1.446 χ^2/NDF: 27.1/30

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 6.419+/-1.400 χ^2/NDF: 57.8/35

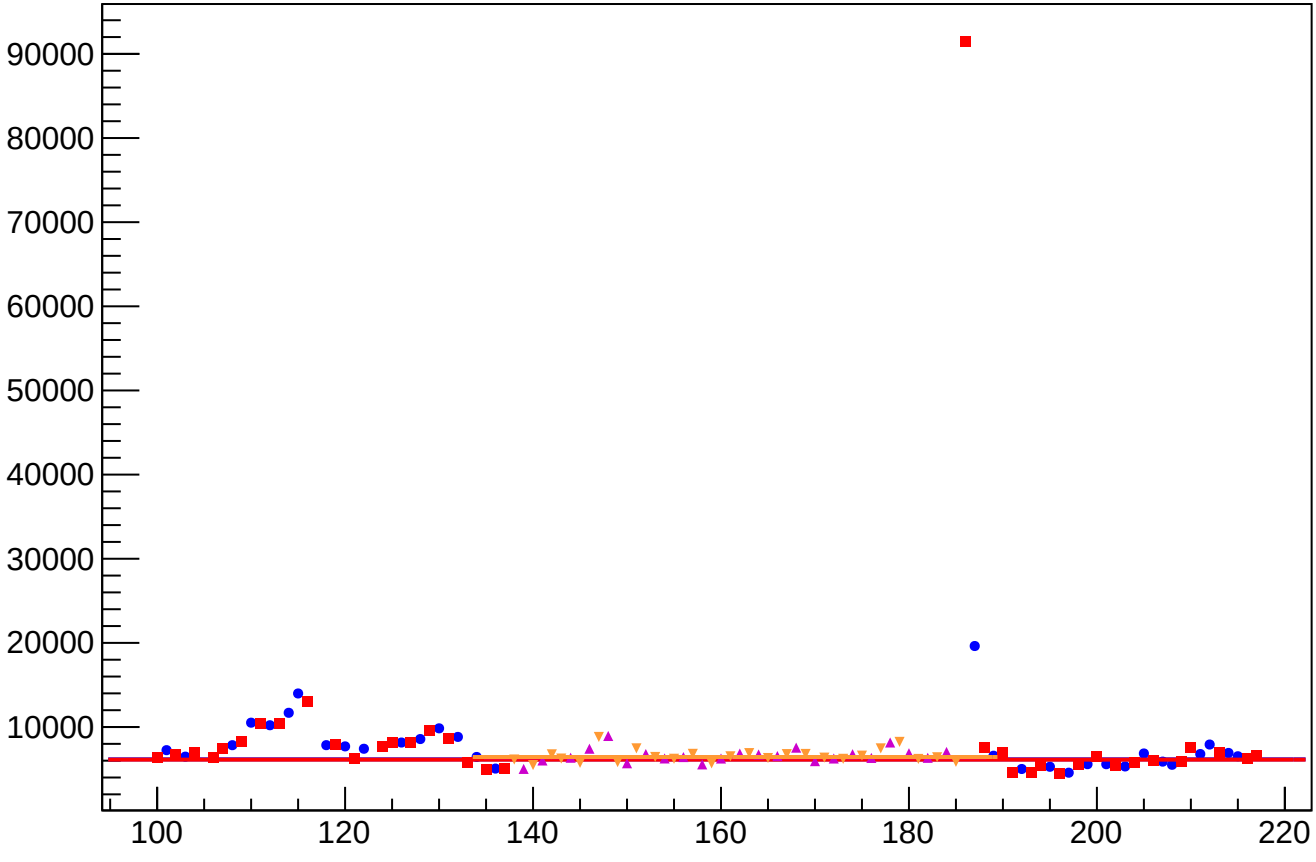
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.379+/-1.033 χ^2/NDF: 46.3/55

All: 3.049+/-0.728 χ^2/NDF: 146.7/114

- sign 3.712+/-1.027 χ^2/NDF: 99.5/58

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6158.347+/-1.023 χ^2/NDF: 1798006.6/30

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6124.209+/-0.990 χ^2/NDF: 2426834.0/35

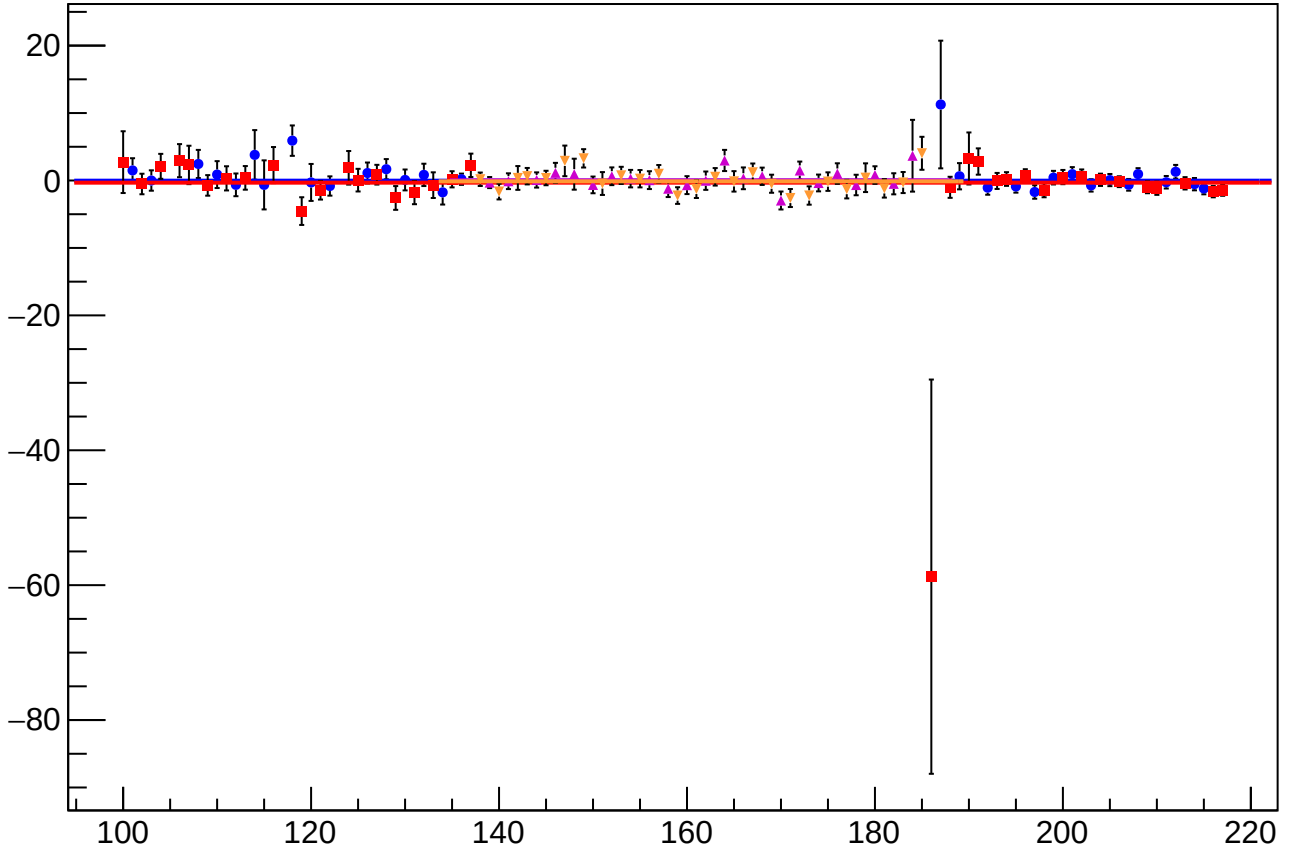
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6294.015+/-0.731 χ^2/NDF: 2251260.2/55

All: 6273.818+/-0.515 χ^2/NDF: 5241888.9/11

- sign 6253.848+/-0.726 χ^2/NDF: 2989108.4/58

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: -0.028+/-0.219 χ^2/NDF: 27.3/30

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.322+/-0.215 χ^2/NDF: 35.3/35

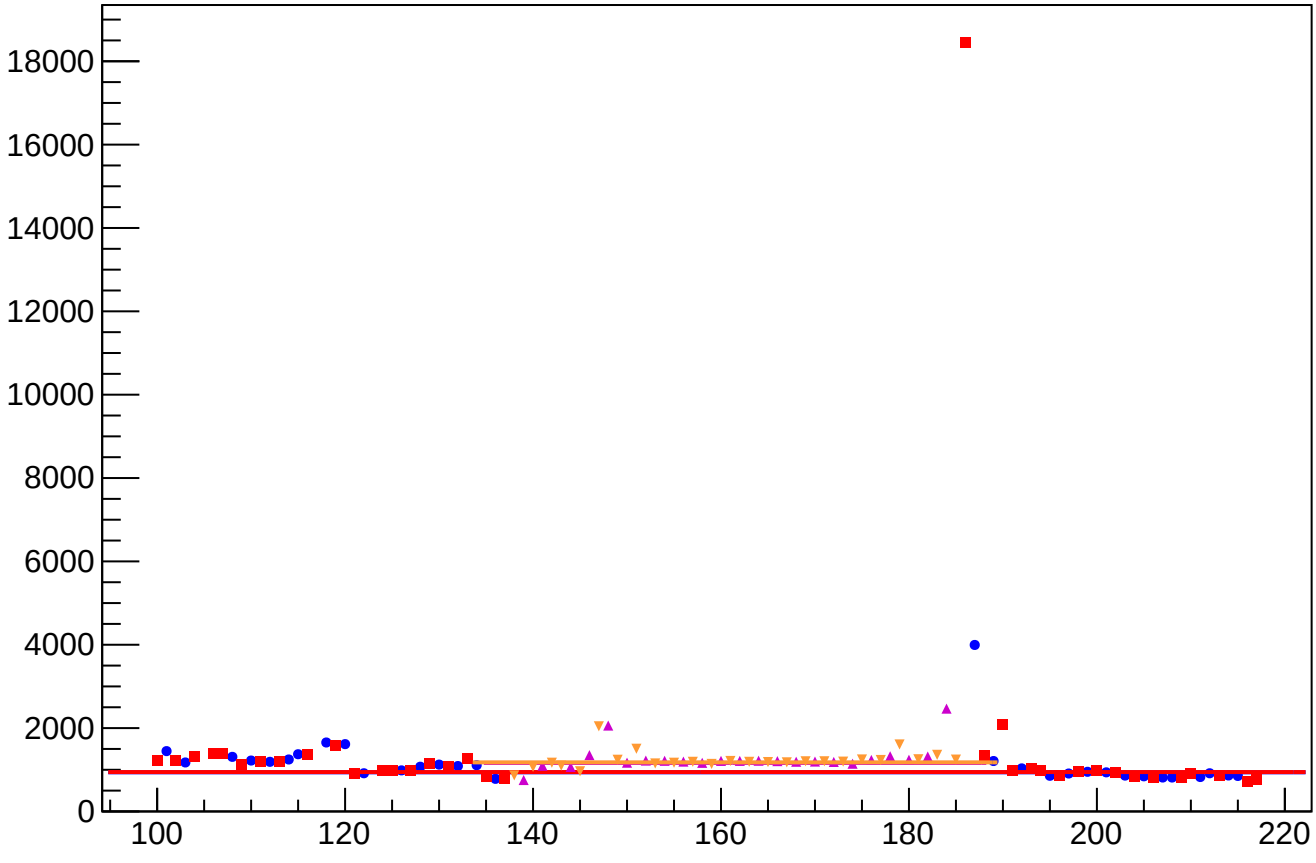
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.065+/-0.171 χ^2/NDF: 54.4/55

All: -0.128+/-0.121 χ^2/NDF: 105.4/114

- sign -0.191+/-0.170 χ^2/NDF: 50.8/58

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 938.987+/-0.155 χ^2/NDF: 1337642.7/30

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 945.039+/-0.152 χ^2/NDF: 2198544.3/35

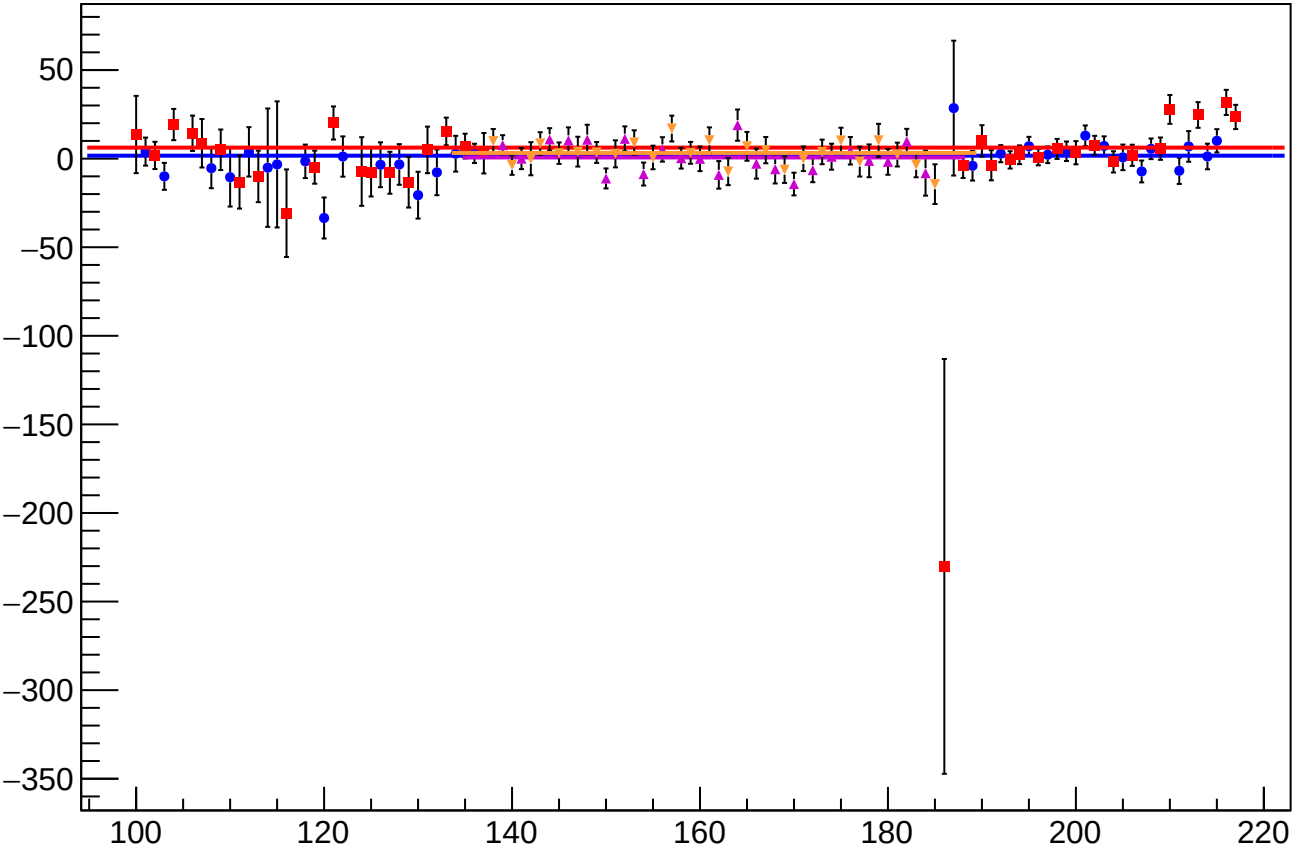
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1032.246+/-0.121 χ^2/NDF: 3068181.1/55

All: 1029.544+/-0.085 χ^2/NDF: 7092231.9/11

- sign 1026.857+/-0.120 χ^2/NDF: 4023053.0/58

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.669+/-1.372 χ^2/NDF: 29.5/30

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 6.221+/-1.318 χ^2/NDF: 65.3/35

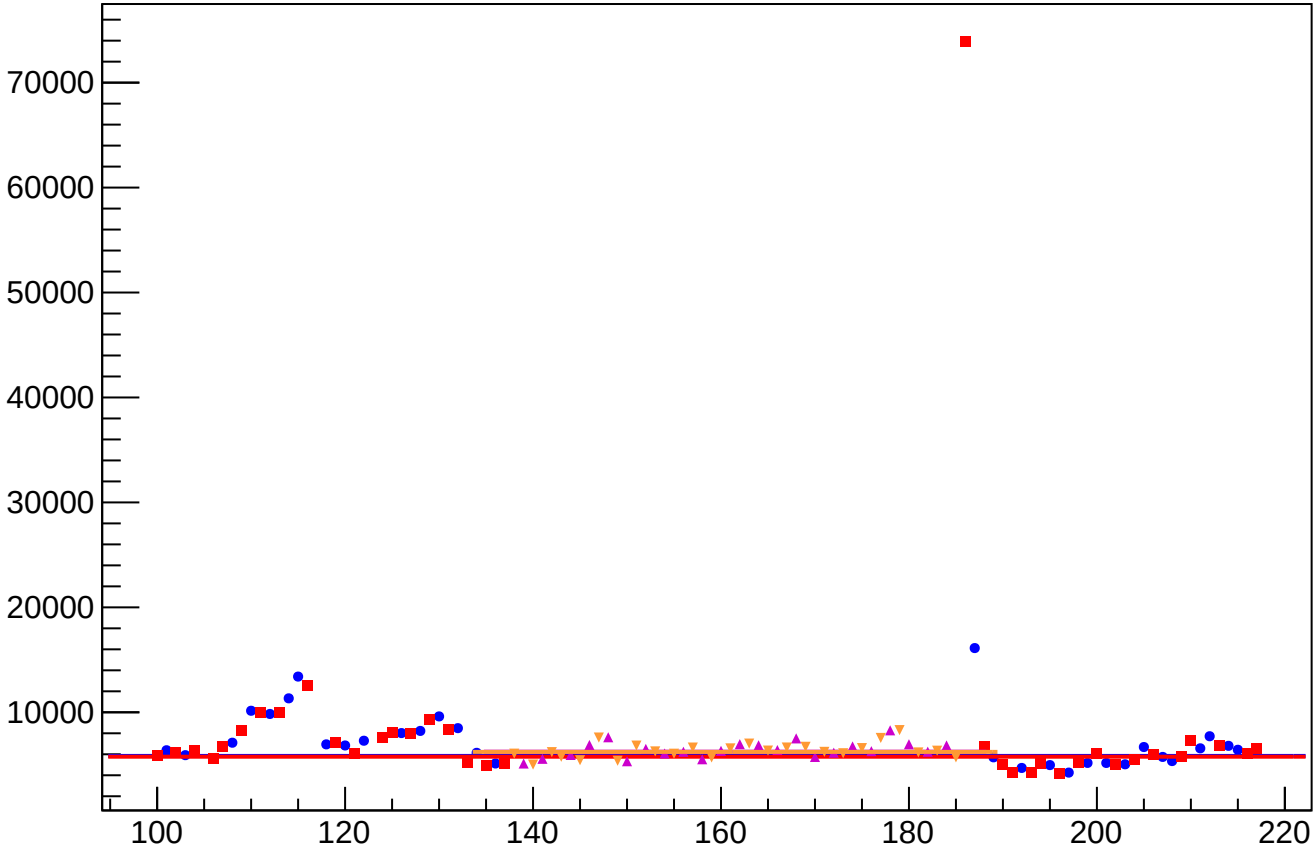
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.420+/-0.990 χ^2/NDF: 48.1/55

All: 3.091+/-0.697 χ^2/NDF: 154.5/114

- sign 3.752+/-0.983 χ^2/NDF: 105.5/58

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5842.388+/-0.970 χ^2/NDF: 1828313.3/30

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5769.277+/-0.932 χ^2/NDF: 2508394.8/35

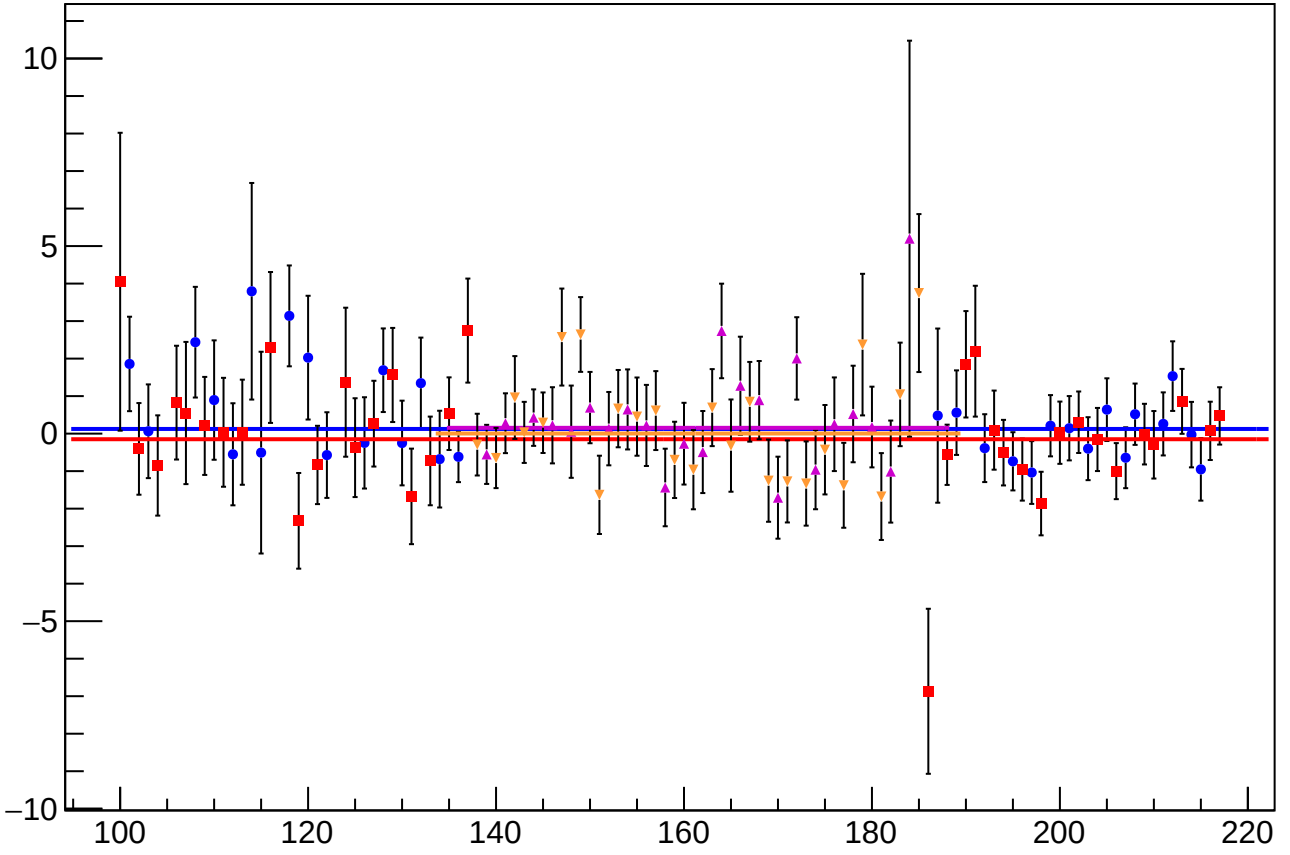
Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6027.585+/-0.700 χ^2/NDF: 2375169.4/55

All: 6004.392+/-0.493 χ^2/NDF: 5487376.4/11

- sign 5981.542+/-0.695 χ^2/NDF: 3110027.4/58

diff_bpm_4eY_4ecY_dd_mean vs Slug



Right In: 0.125+/-0.184 χ^2/NDF: 27.6/30

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.149+/-0.177 χ^2/NDF: 38.5/35

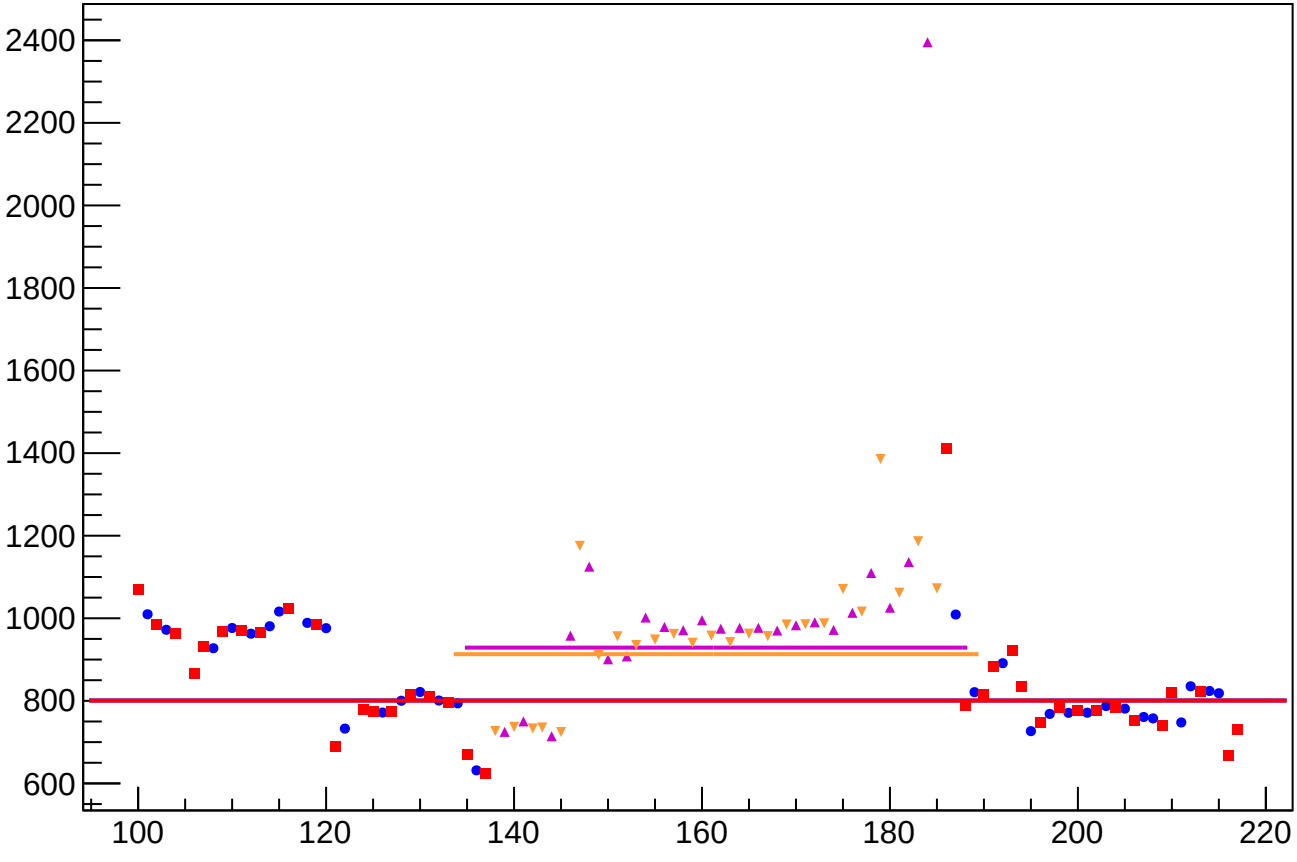
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.073+/-0.139 χ^2/NDF: 59.4/55

All: 0.021+/-0.098 χ^2/NDF: 117.8/114

- sign -0.030+/-0.138 χ^2/NDF: 58.1/58

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 800.904+/-0.130 χ^2/NDF: 465204.5/30

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 800.609+/-0.125 χ^2/NDF: 644899.2/35

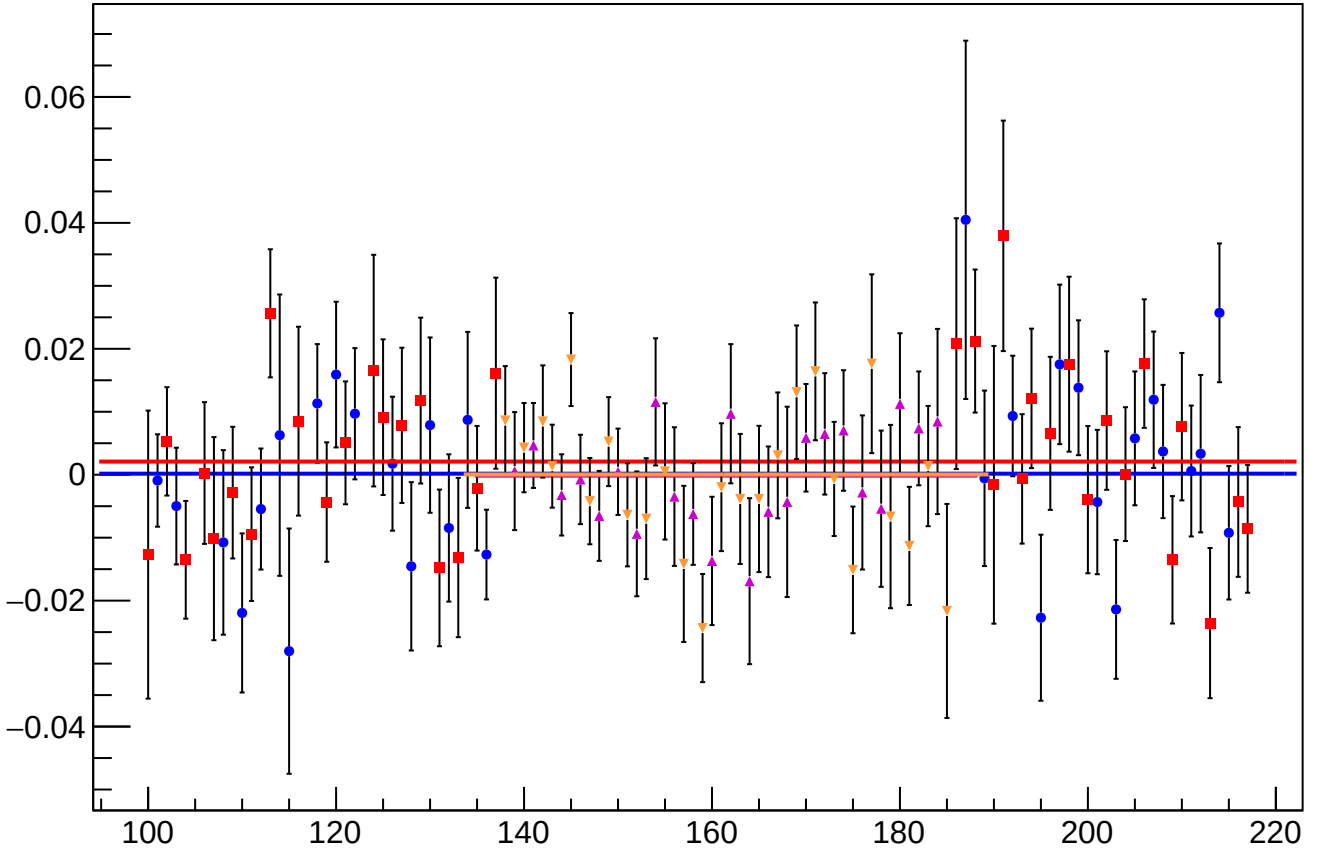
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 848.971+/-0.098 χ^2/NDF: 1674580.6/55

All: 849.928+/-0.069 χ^2/NDF: 3498466.1/114

- sign 850.879+/-0.098 χ^2/NDF: 1823696.0/58

diff_dispE_bpm12X_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF: 37.5/30

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.002+/-0.002 χ^2/NDF: 38.9/35

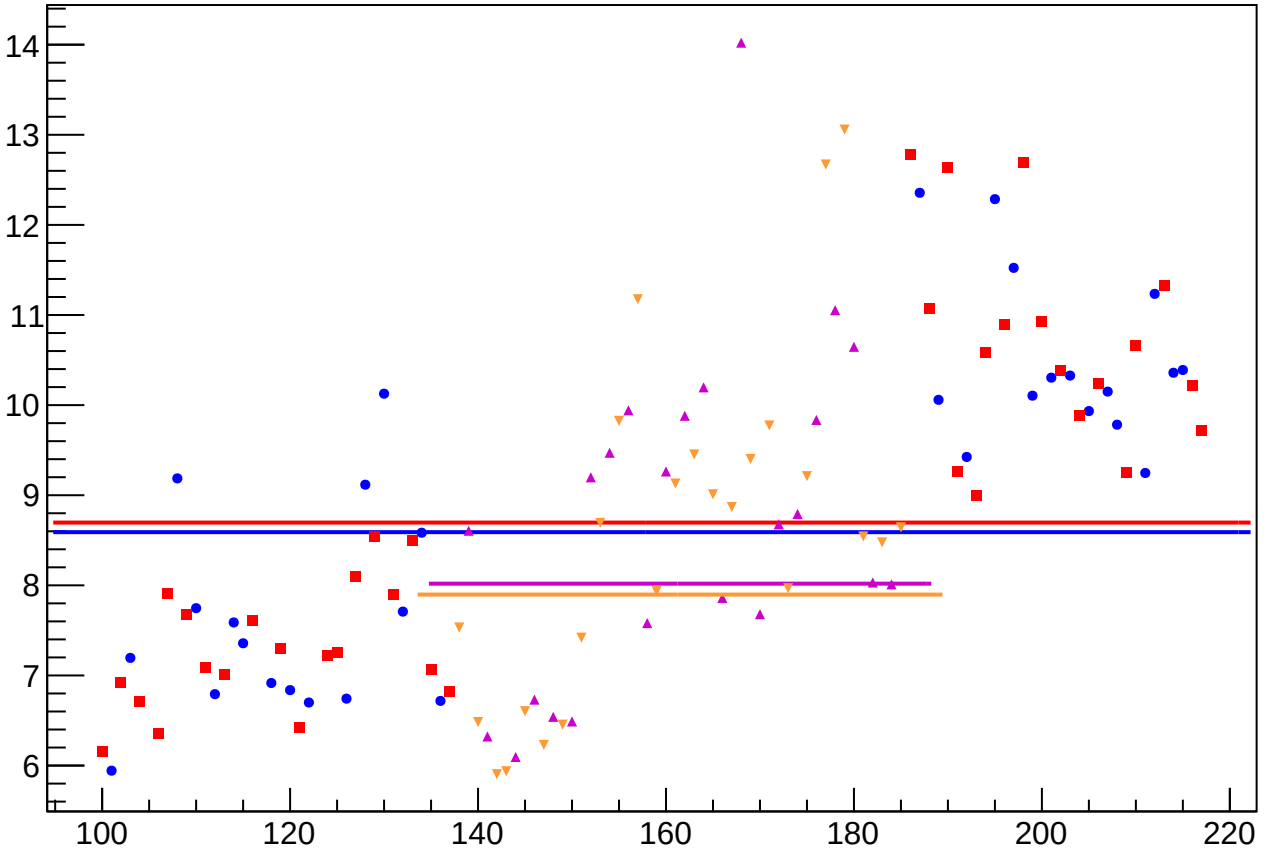
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign 0.000+/-0.001 χ^2/NDF: 68.6/55

All: 0.001+/-0.001 χ^2/NDF: 121.2/114

- sign 0.001+/-0.001 χ^2/NDF: 52.4/58

diff_dispE_bpm12X_rms vs Slug



Right In: 8.590+/-0.001 χ^2/NDF: 1588783.8/30

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.697+/-0.001 χ^2/NDF: 1641758.2/35

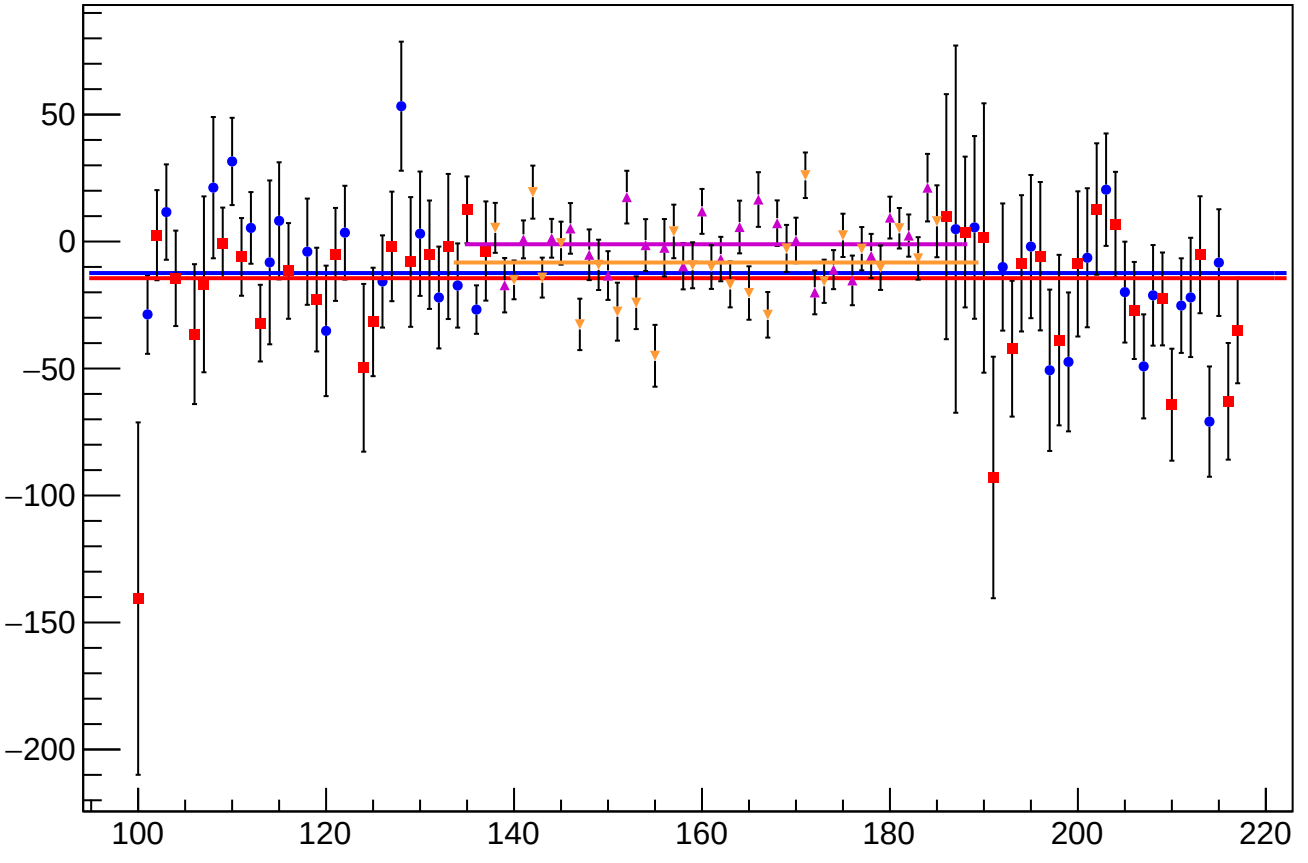
Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.215+/-0.001 χ^2/NDF: 3309131.1/55

All: 8.282+/-0.001 χ^2/NDF: 6539005.1/114

- sign 8.351+/-0.001 χ^2/NDF: 3219976.8/58

diff_targ_positionX_mean vs Slug



Right In: -12.406+/-3.634 χ^2/NDF: 41.8/30

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -14.433+/-3.648 χ^2/NDF: 33.8/35

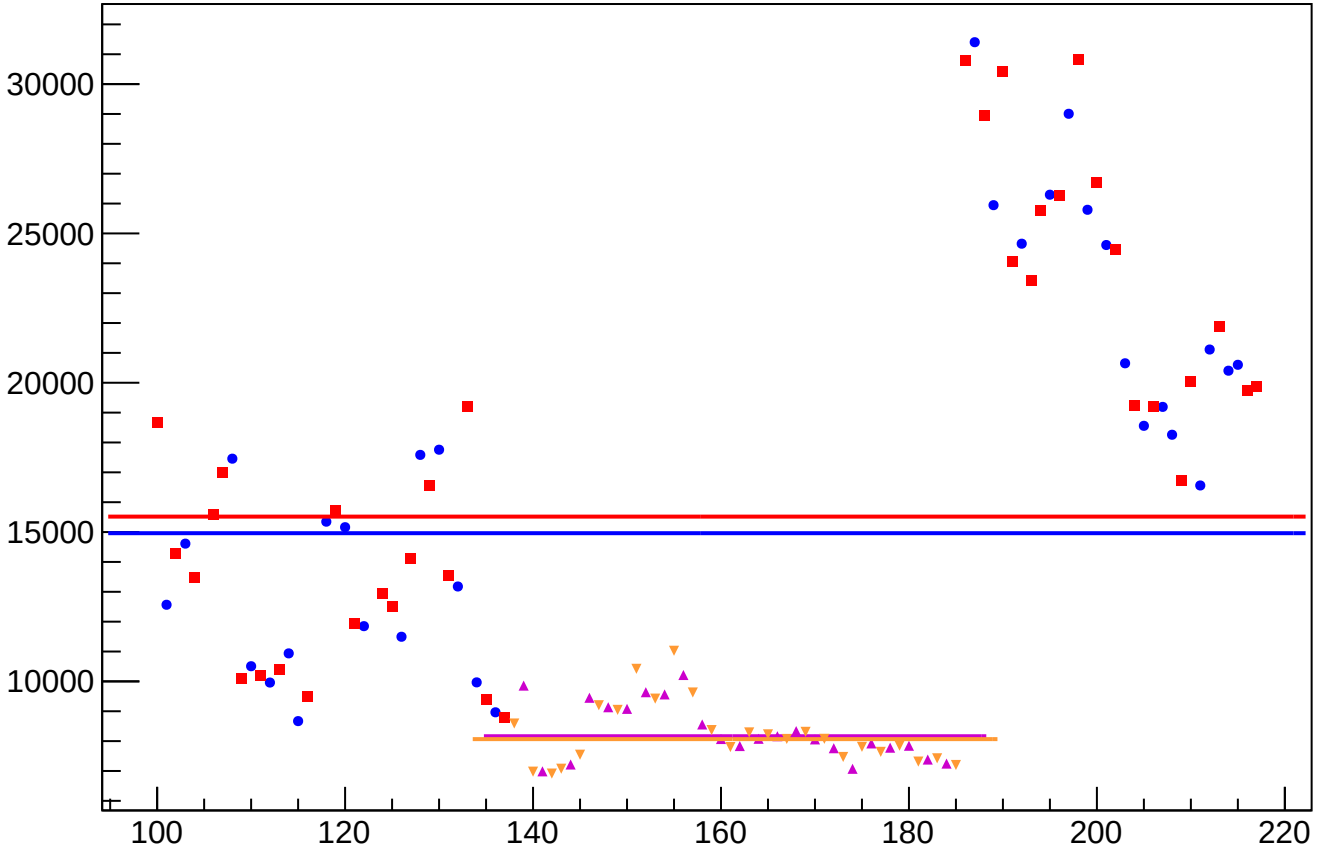
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

\+ sign -9.110+/-1.648 χ^2/NDF: 105.0/55

All: -6.620+/-1.183 χ^2/NDF: 182.8/114

\- sign -3.972+/-1.700 χ^2/NDF: 73.1/58

diff_targ_positionX_rms vs Slug



Right In: 14962.379+/-2.570 χ^2/NDF: 4422217.2/30

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

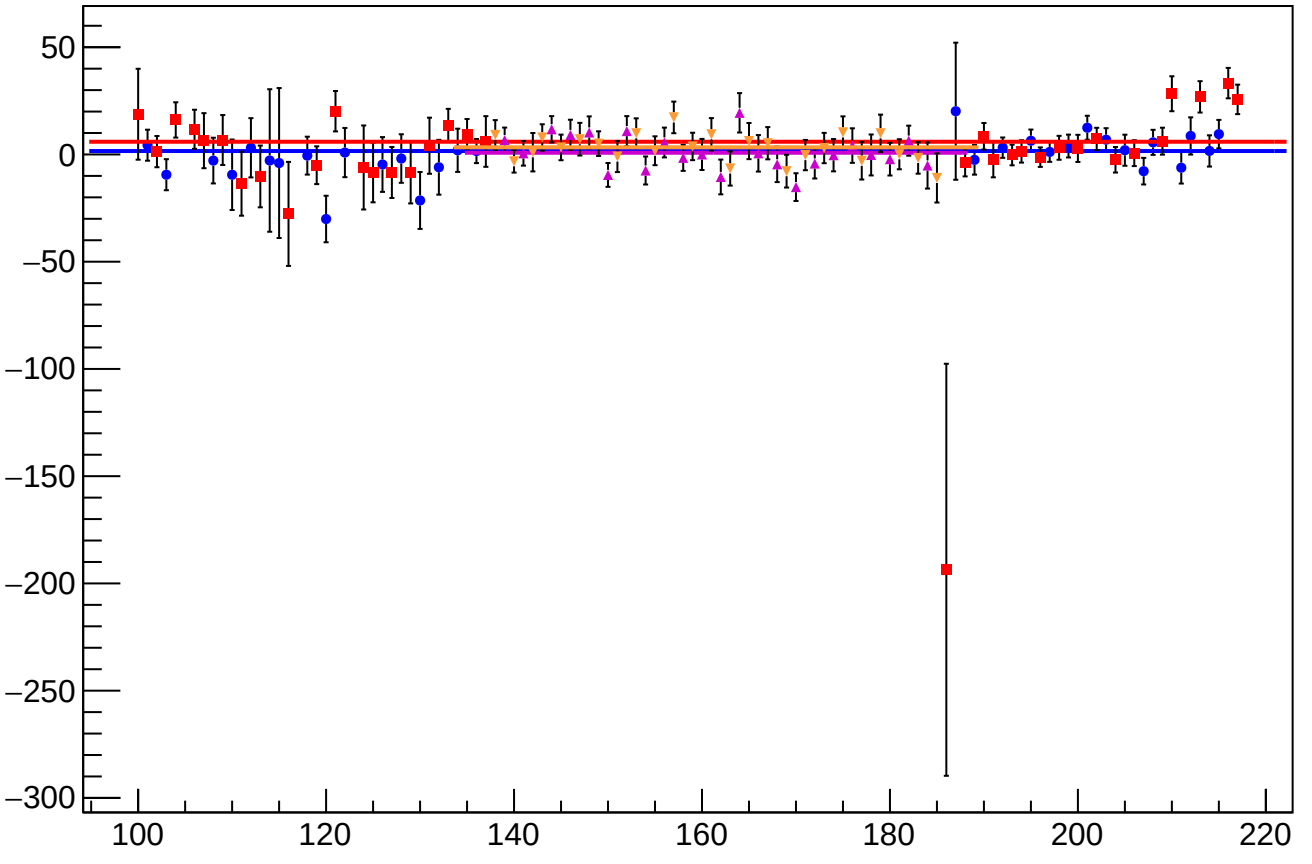
Right Out: 15517.620+/-2.580 χ^2/NDF: 4952502.9/35

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9485.092+/-1.166 χ^2/NDF: 10639442.3/55

All: 9618.185+/-0.837 χ^2/NDF: 22414467.3/1

- sign 9759.700+/-1.202 χ^2/NDF: 11748119.9/58



Right In: 1.597+/-1.345 χ^2/NDF: 28.0/30

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

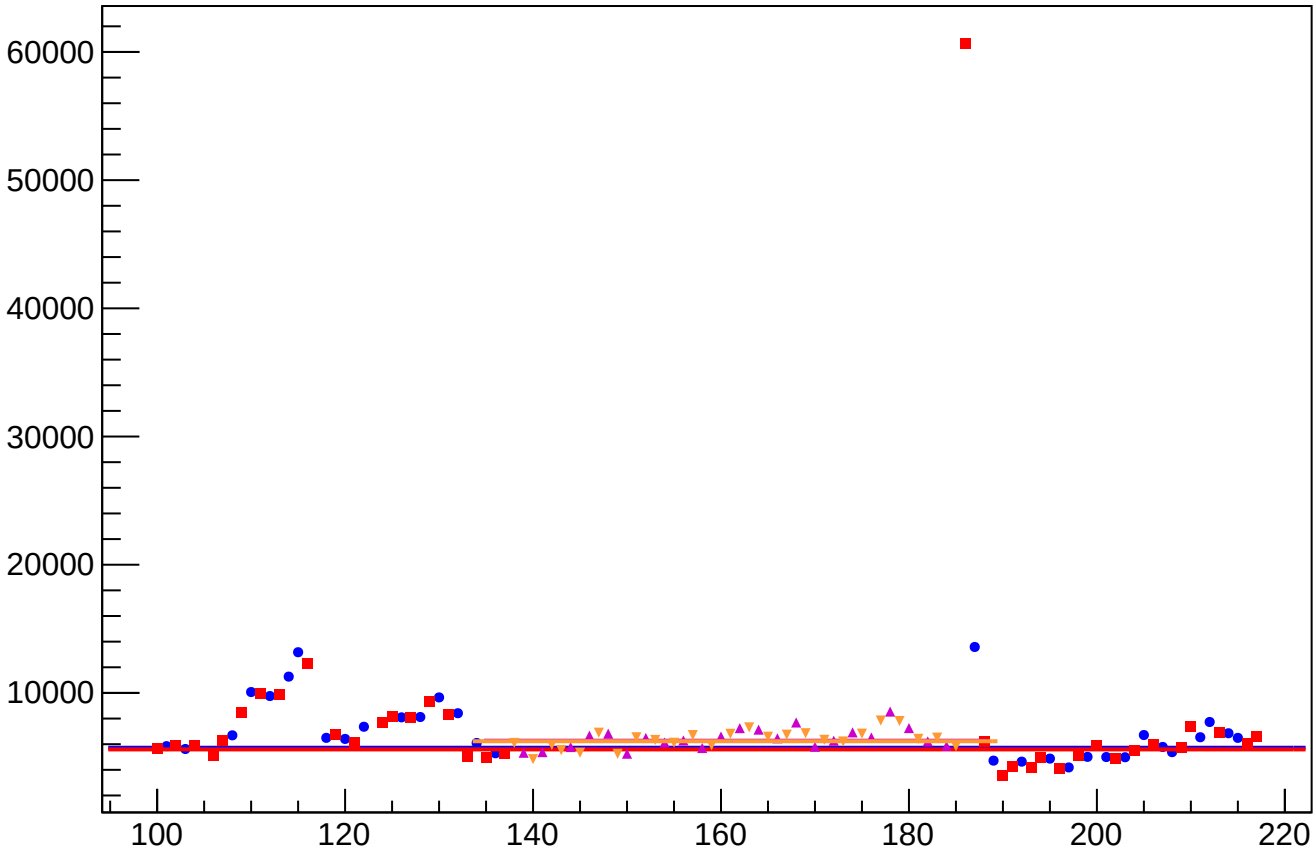
Right Out: 5.927+/-1.280 χ^2/NDF: 71.5/35

Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.410+/-0.980 χ^2/NDF: 45.7/55

All: 3.078+/-0.689 χ^2/NDF: 154.4/114

- sign 3.729+/-0.968 χ^2/NDF: 107.8/58



Right In: 5724.048+/-0.951 χ^2/NDF: 1875803.6/30

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5593.419+/-0.905 χ^2/NDF: 2735060.0/35

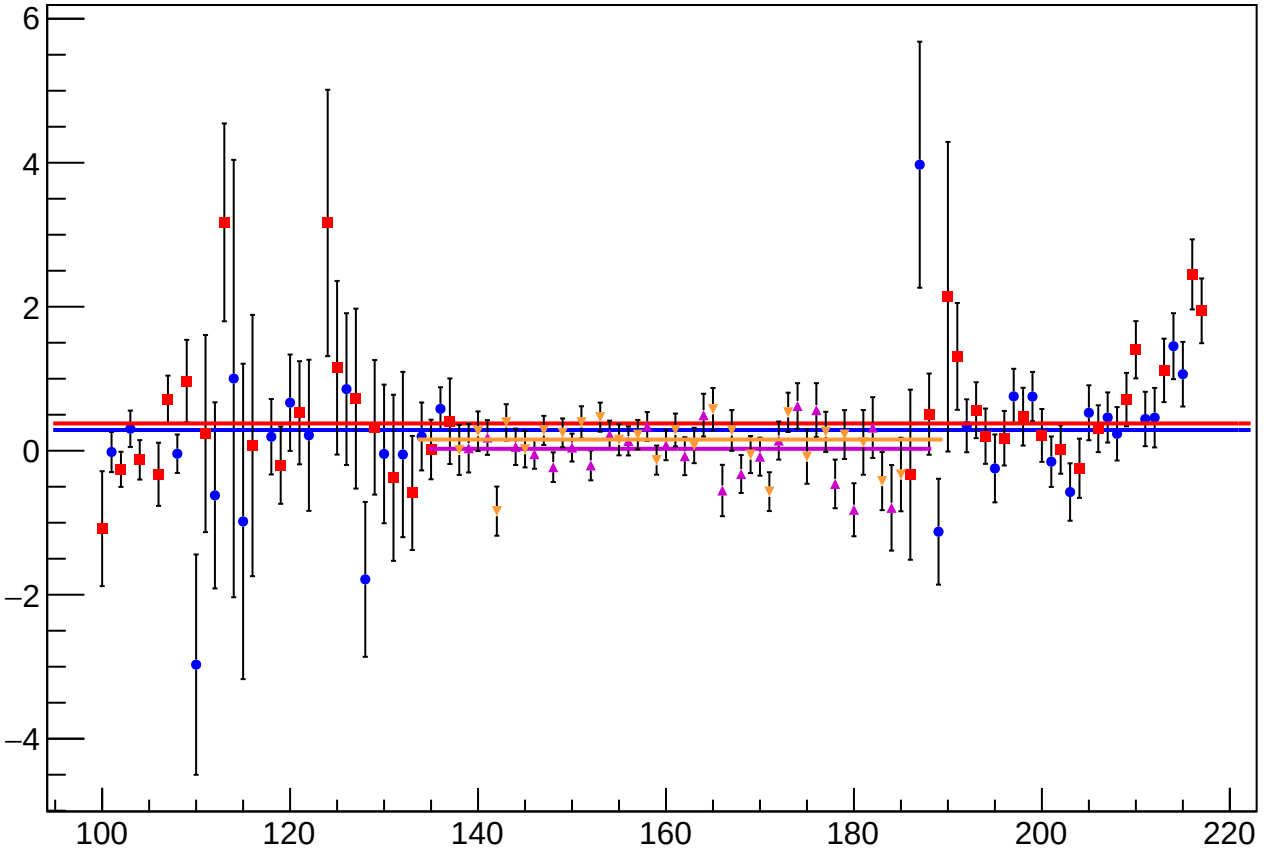
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5961.839+/-0.693 χ^2/NDF: 2541687.1/55

All: 5922.287+/-0.487 χ^2/NDF: 6027811.5/11

- sign 5883.690+/-0.684 χ^2/NDF: 3479685.1/58

diff_targ_thetaX_mean vs Slug



Right In: 0.288+/-0.079 χ^2/NDF: 43.4/30

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.379+/-0.079 χ^2/NDF: 76.7/35

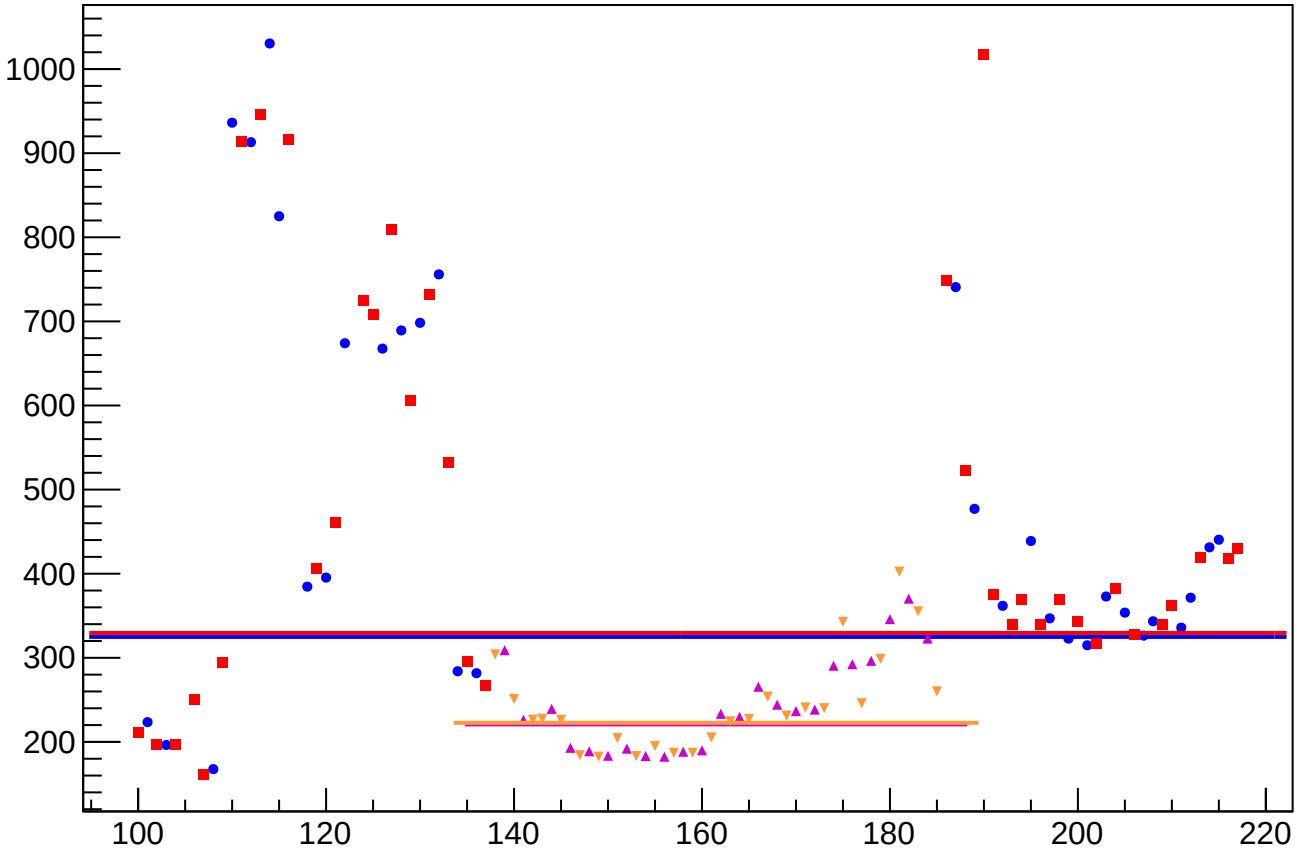
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.195+/-0.043 χ^2/NDF: 77.6/55

All: 0.166+/-0.031 χ^2/NDF: 198.8/114

- sign 0.136+/-0.044 χ^2/NDF: 120.3/58

diff_targ_thetaX_rms vs Slug



Right In: 324.833+/-0.056 χ^2/NDF: 4433664.7/30

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 329.586+/-0.056 χ^2/NDF: 5002744.5/35

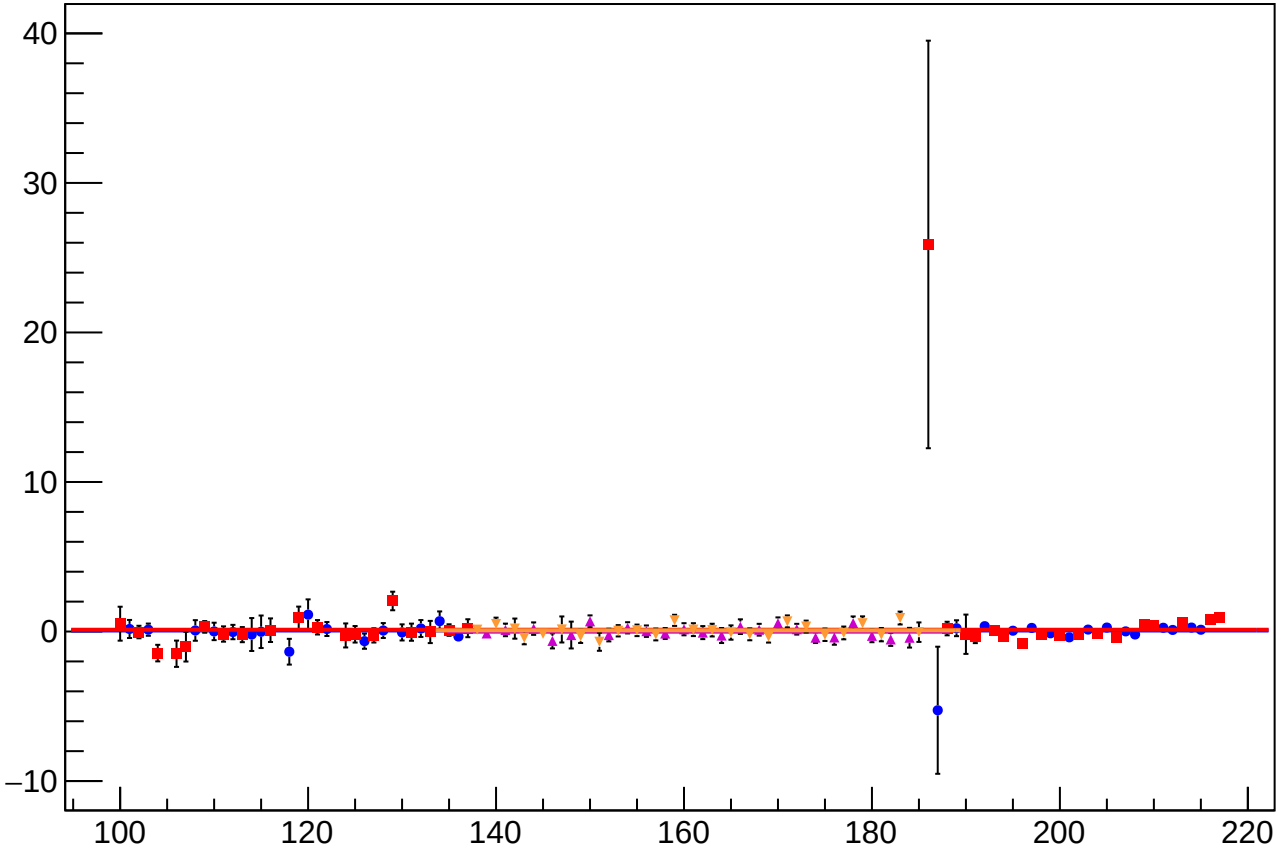
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 253.333+/-0.031 χ^2/NDF: 8204452.6/55

All: 254.044+/-0.022 χ^2/NDF: 17313811.3/11

- sign 254.770+/-0.031 χ^2/NDF: 9108276.6/58

diff_targ_thetaY_mean vs Slug



Right In: 0.072+/-0.059 χ^2/NDF: 18.8/30

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.119+/-0.059 χ^2/NDF: 91.1/35

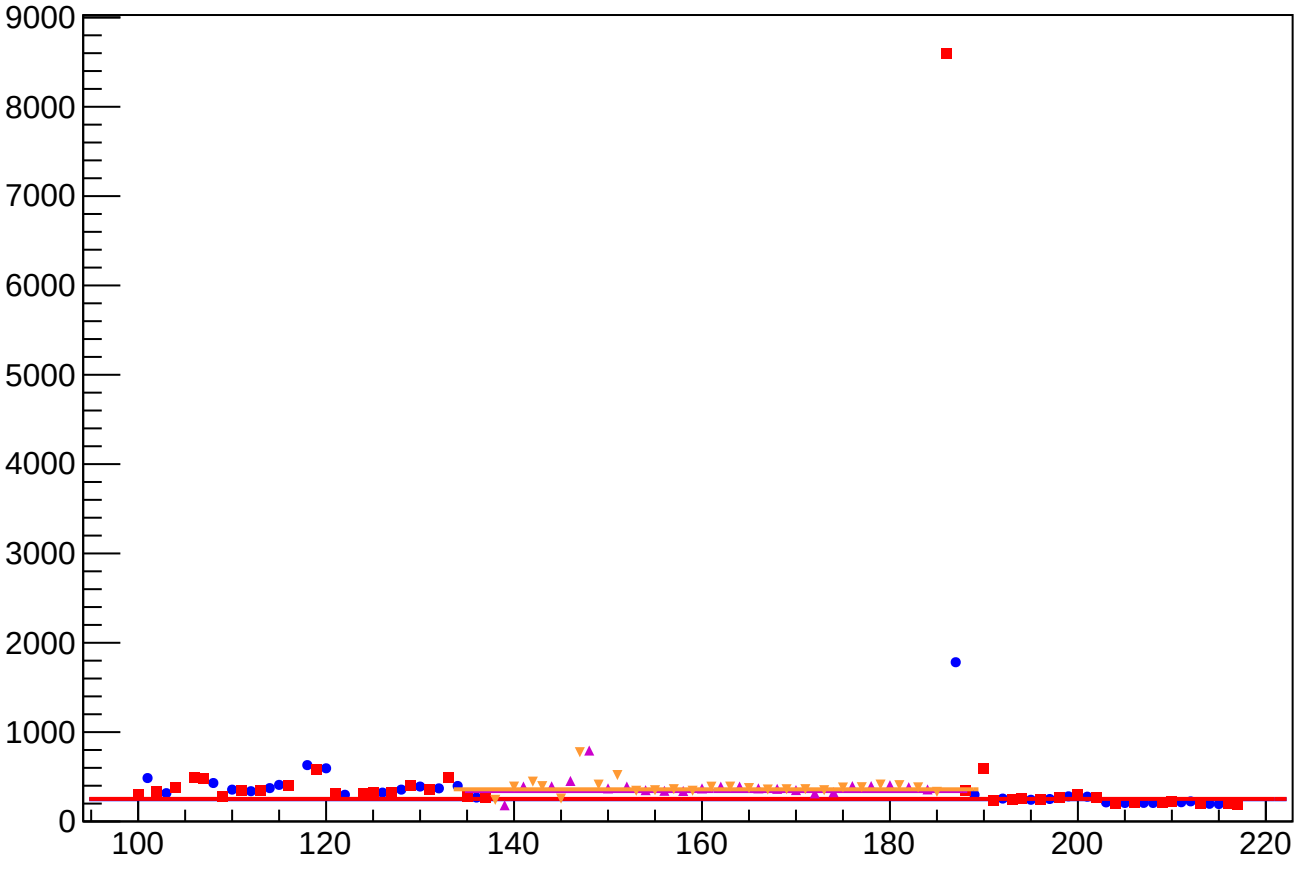
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.074+/-0.048 χ^2/NDF: 37.8/55

All: 0.075+/-0.034 χ^2/NDF: 145.7/114

- sign 0.076+/-0.048 χ^2/NDF: 108.0/58

diff_targ_thetaY_rms vs Slug



Right In: 248.458+/-0.042 χ^2/NDF: 2737782.3/30

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

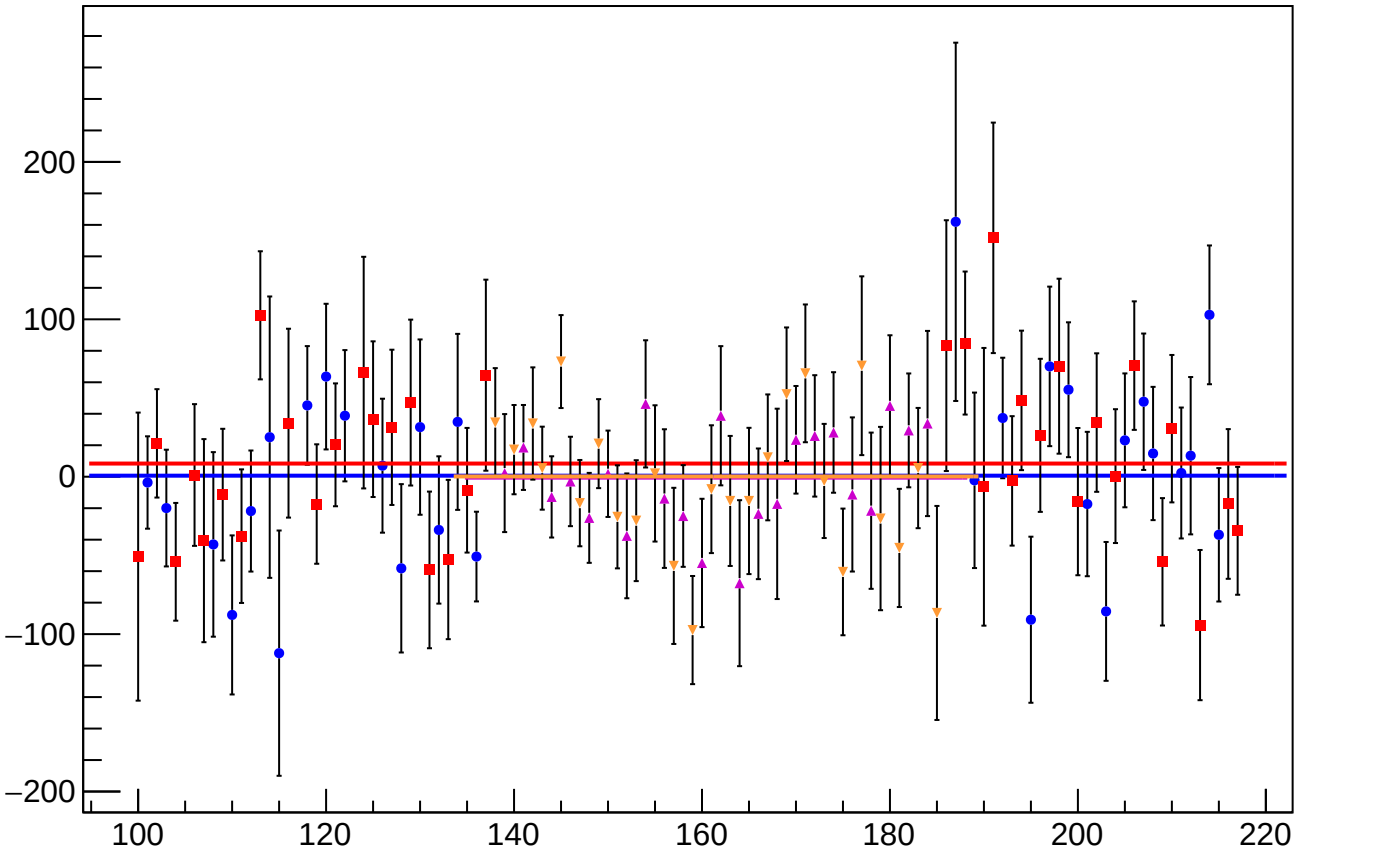
Right Out: 252.556+/-0.042 χ^2/NDF: 3225458.5/35

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 285.354+/-0.034 χ^2/NDF: 6421392.7/55

All: 283.617+/-0.024 χ^2/NDF: 13358963.7/1

- sign 281.916+/-0.034 χ^2/NDF: 6932490.4/58



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

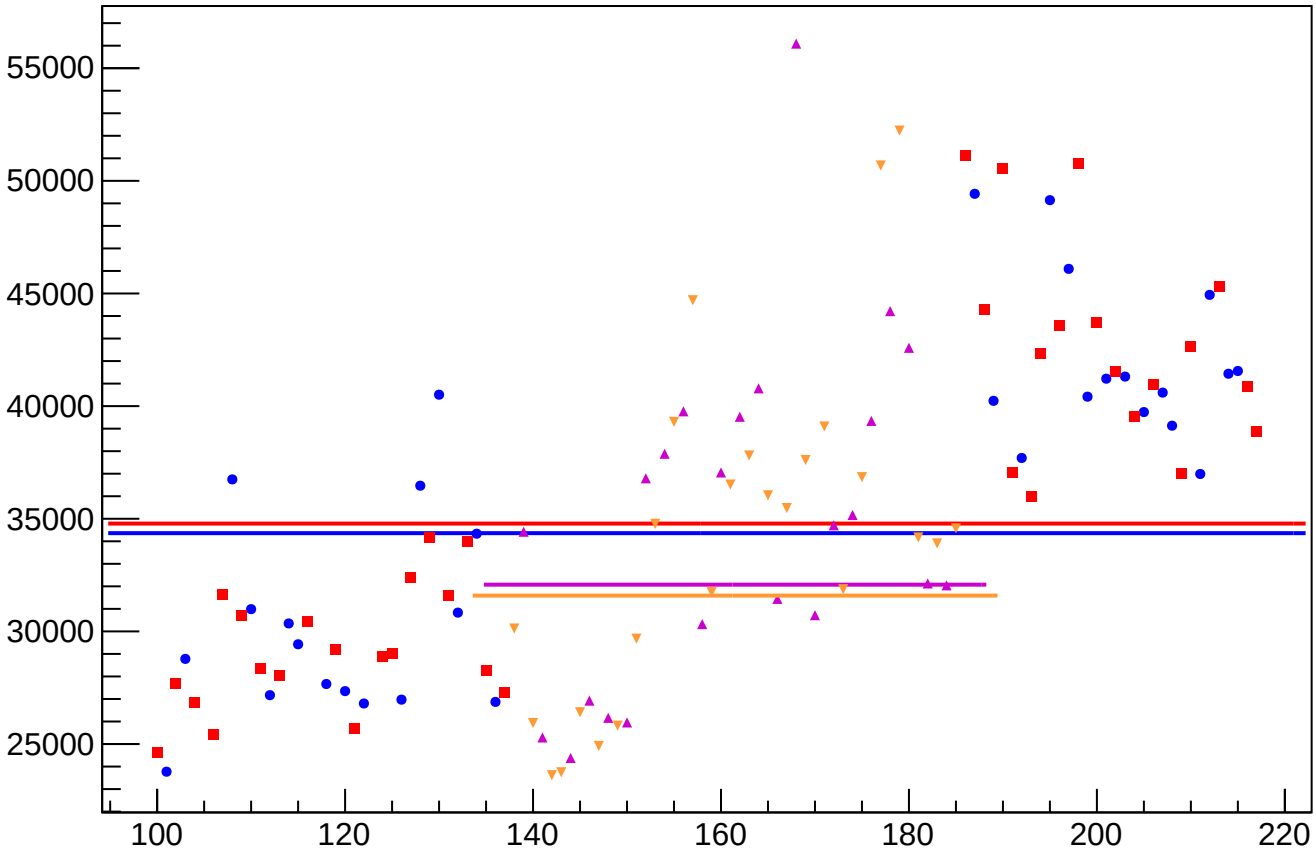
Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 0.395+/-5.426 χ^2/NDF: 68.6/55

All: 2.080+/-3.855 χ^2/NDF: 121.2/114

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58



Right In: 34360.771+/-5.666 χ^2/NDF: 1588783.8/30

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

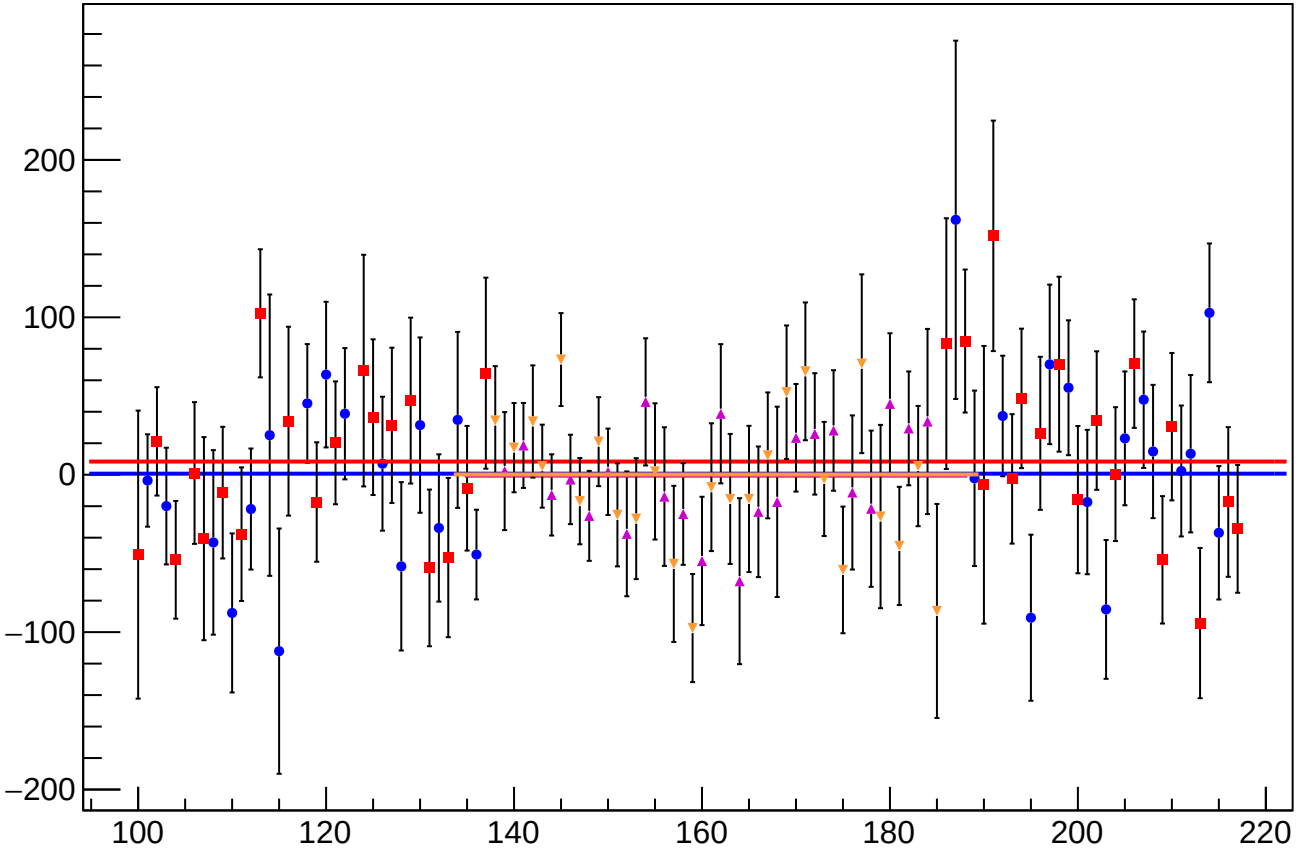
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32860.546+/-3.837 χ^2/NDF: 3309131.1/55

All: 33129.218+/-2.726 χ^2/NDF: 6539005.1/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58

diff_bpmEX_mean vs Slug



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

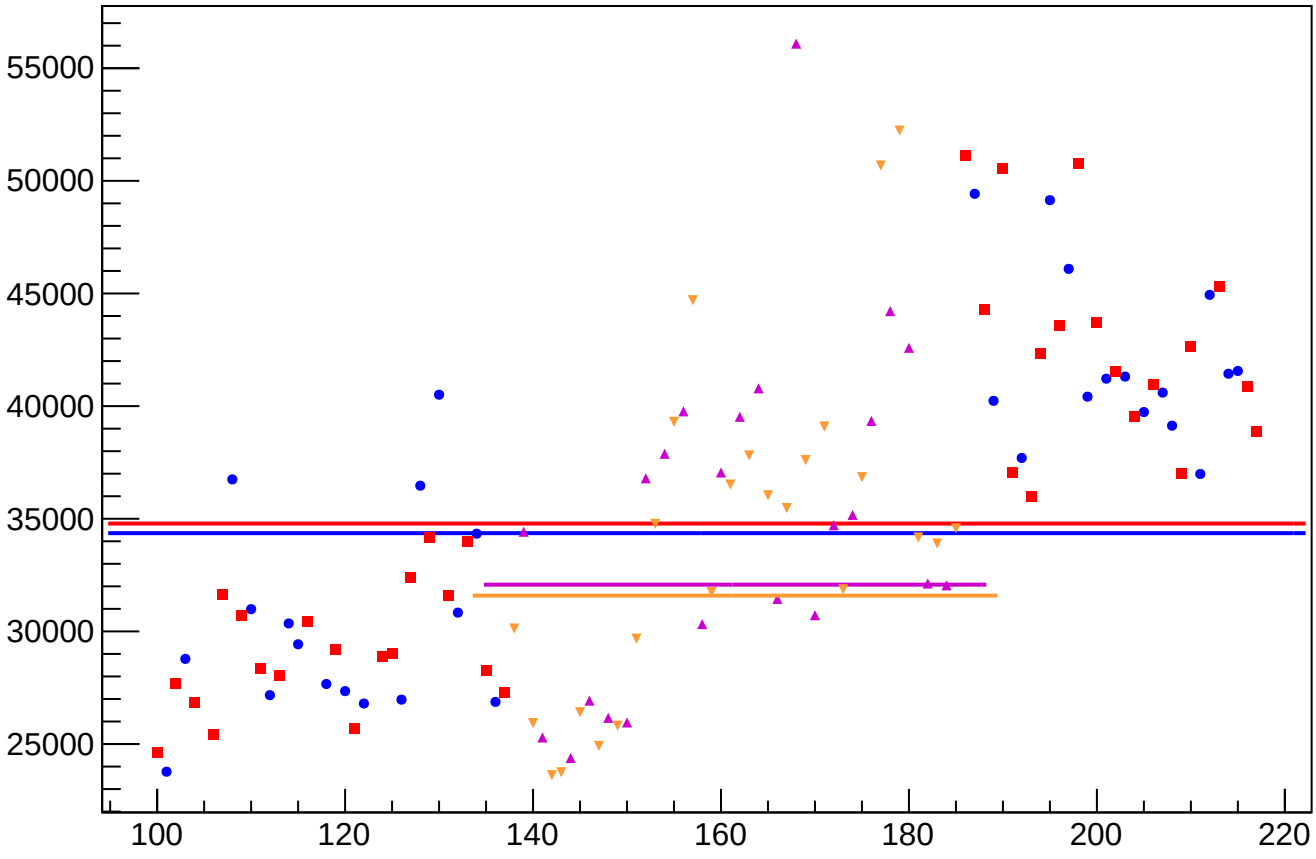
Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 0.395+/-5.426 χ^2/NDF: 68.6/55

All: 2.080+/-3.855 χ^2/NDF: 121.2/114

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58



Right In: 34360.771+/-5.666 χ^2/NDF: 1588783.8/30

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

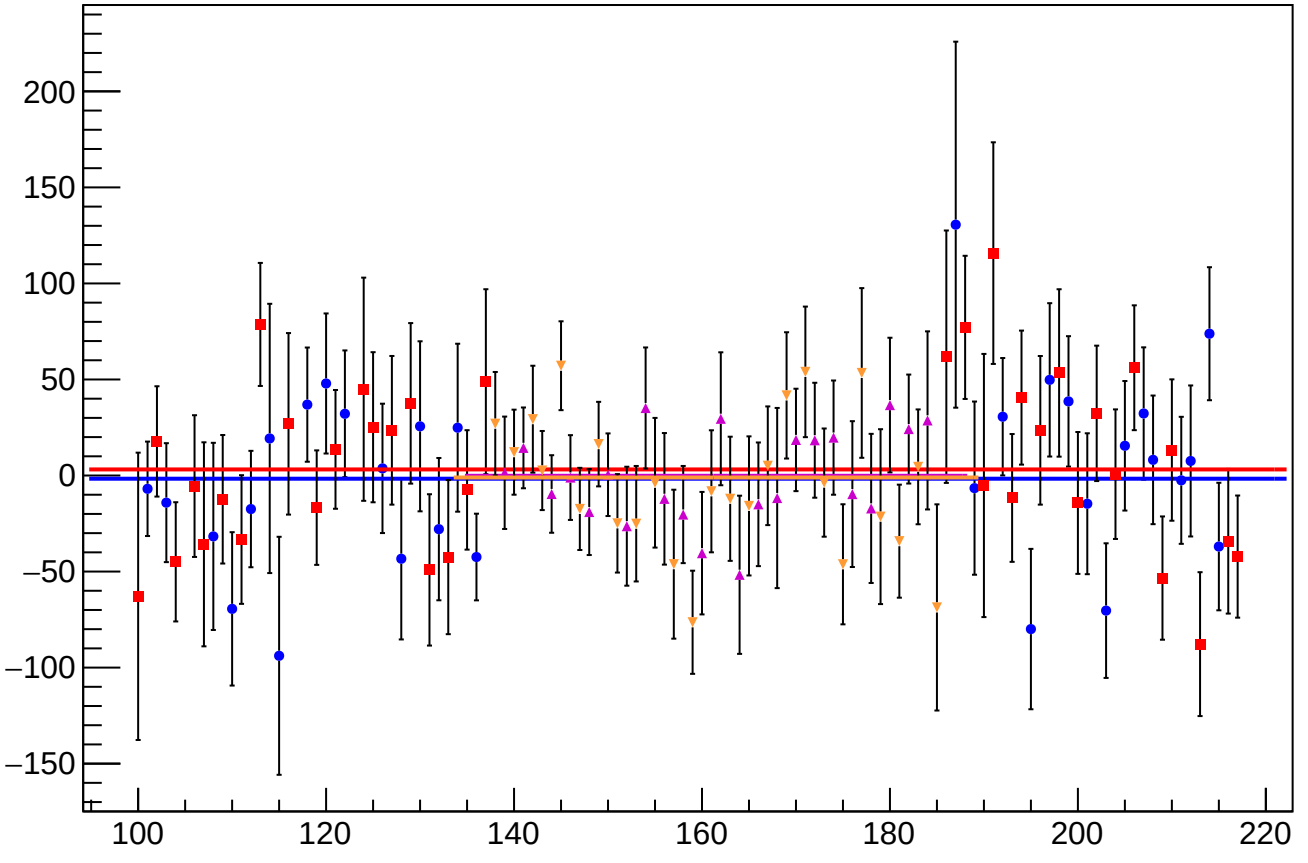
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32860.546+/-3.837 χ^2/NDF: 3309131.1/55

All: 33129.218+/-2.726 χ^2/NDF: 6539005.1/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58

diff_bpmE_11X12X_mean vs Slug



Right In: -1.666+/-6.389 χ^2/NDF: 37.0/30

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

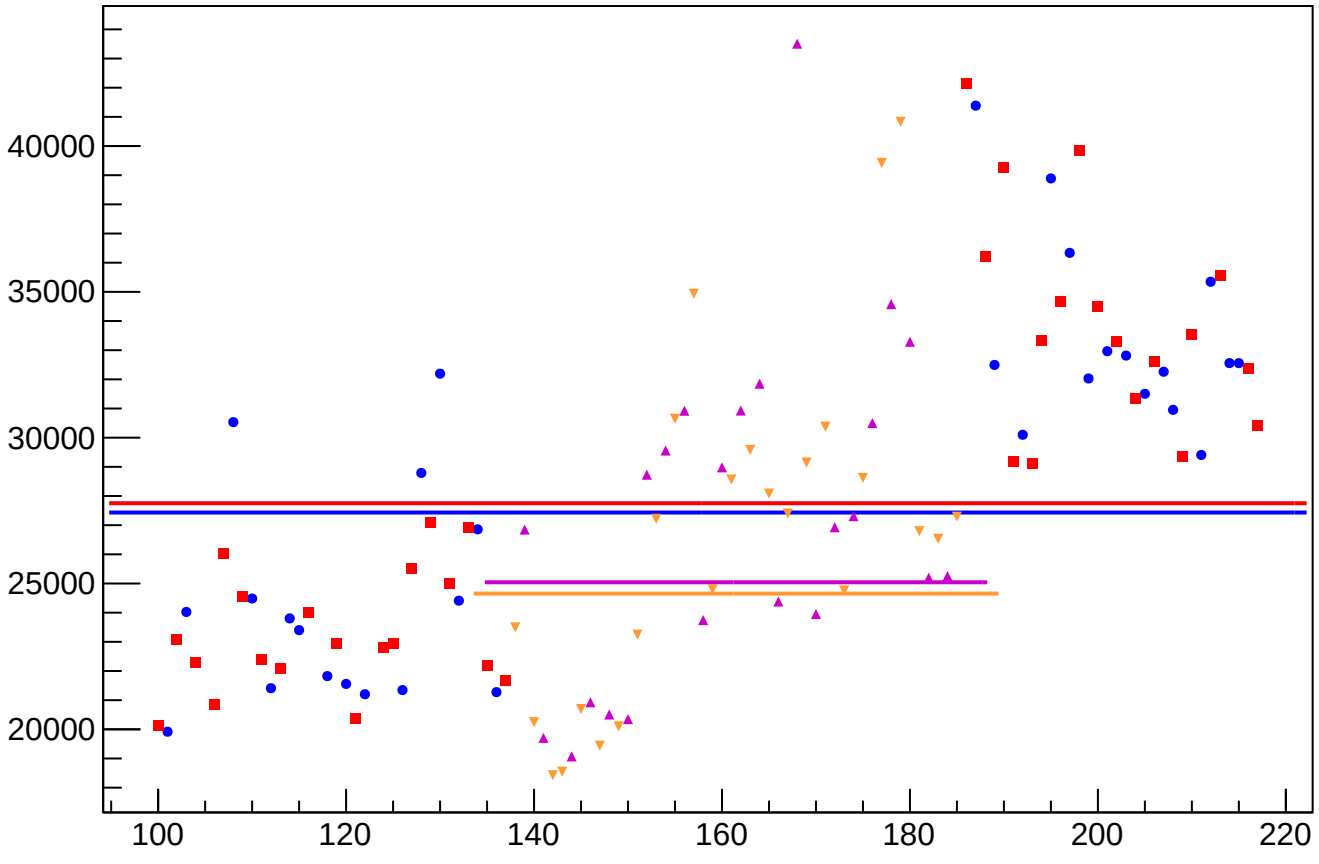
Right Out: 3.170+/-6.239 χ^2/NDF: 44.9/35

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

\+ sign -1.321+/-4.276 χ^2/NDF: 69.4/55

All: 0.047+/-3.039 χ^2/NDF: 126.7/114

\- sign 1.443+/-4.319 χ^2/NDF: 57.1/58



Right In: 27434.098+/-4.518 χ^2/NDF: 1503689.4/30

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27753.044+/-4.412 χ^2/NDF: 1575863.7/35

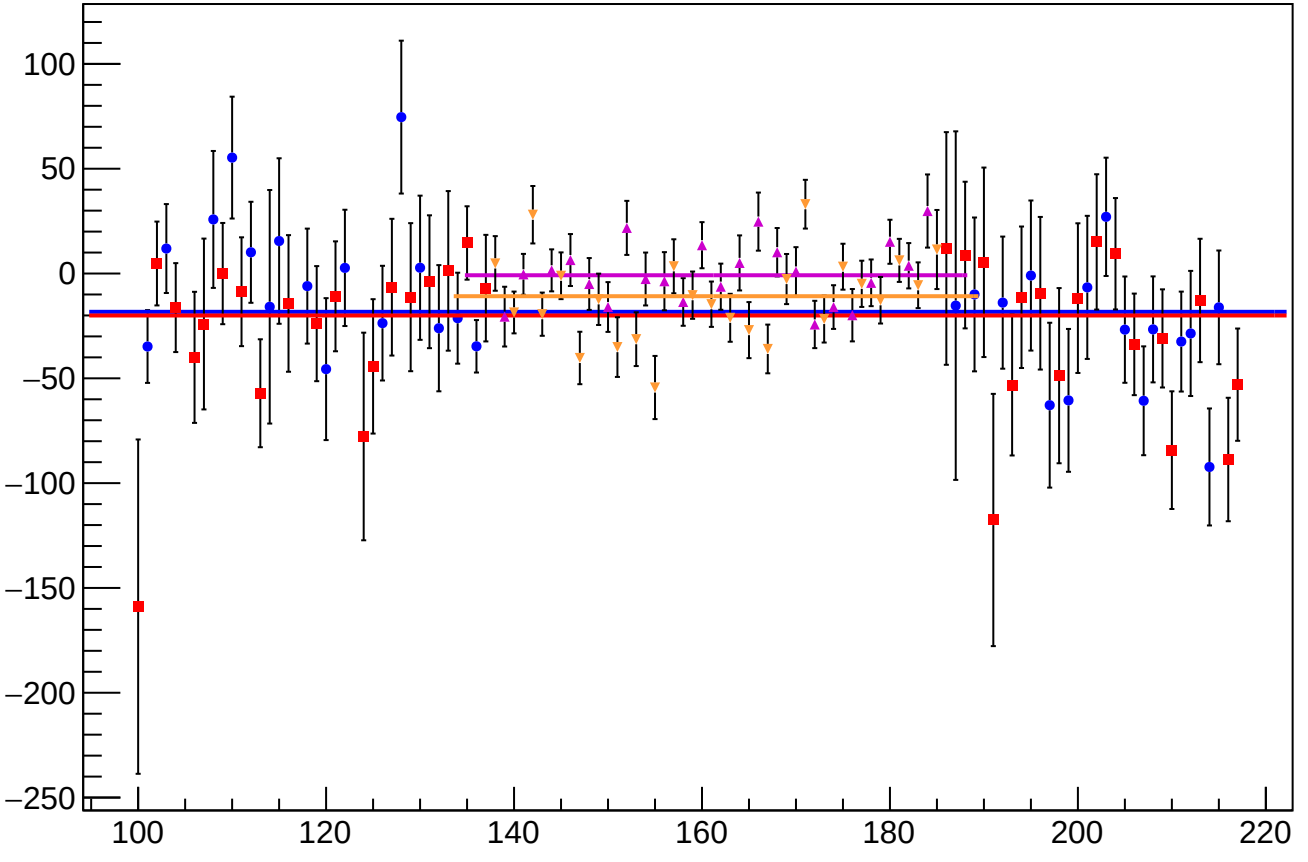
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25899.113+/-3.024 χ^2/NDF: 3295462.6/55

All: 26117.890+/-2.149 χ^2/NDF: 6520209.7/1

- sign 26341.094+/-3.054 χ^2/NDF: 3214169.9/58

diff_bpm4aesumX_mean vs Slug



Right In: -18.268+/-4.832 χ^2/NDF: 39.7/30

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -20.024+/-4.926 χ^2/NDF: 35.9/35

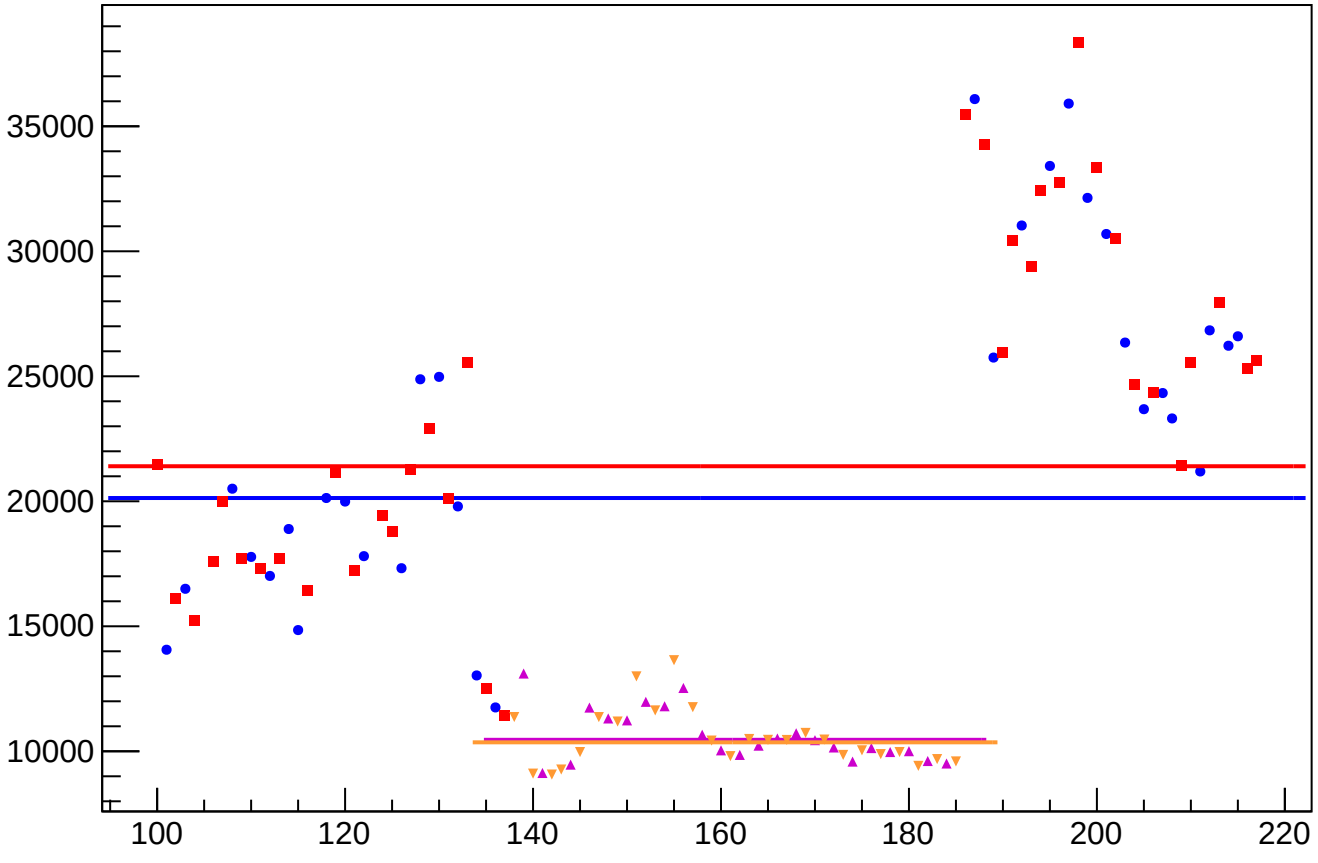
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -12.266+/-2.128 χ^2/NDF: 102.8/55

All: -8.583+/-1.529 χ^2/NDF: 186.5/114

- sign -4.651+/-2.199 χ^2/NDF: 77.4/58

diff_bpm4aesumX_rms vs Slug



Right In: 20130.728+/-3.417 χ^2/NDF: 3537295.5/30

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21402.003+/-3.483 χ^2/NDF: 3432560.8/35

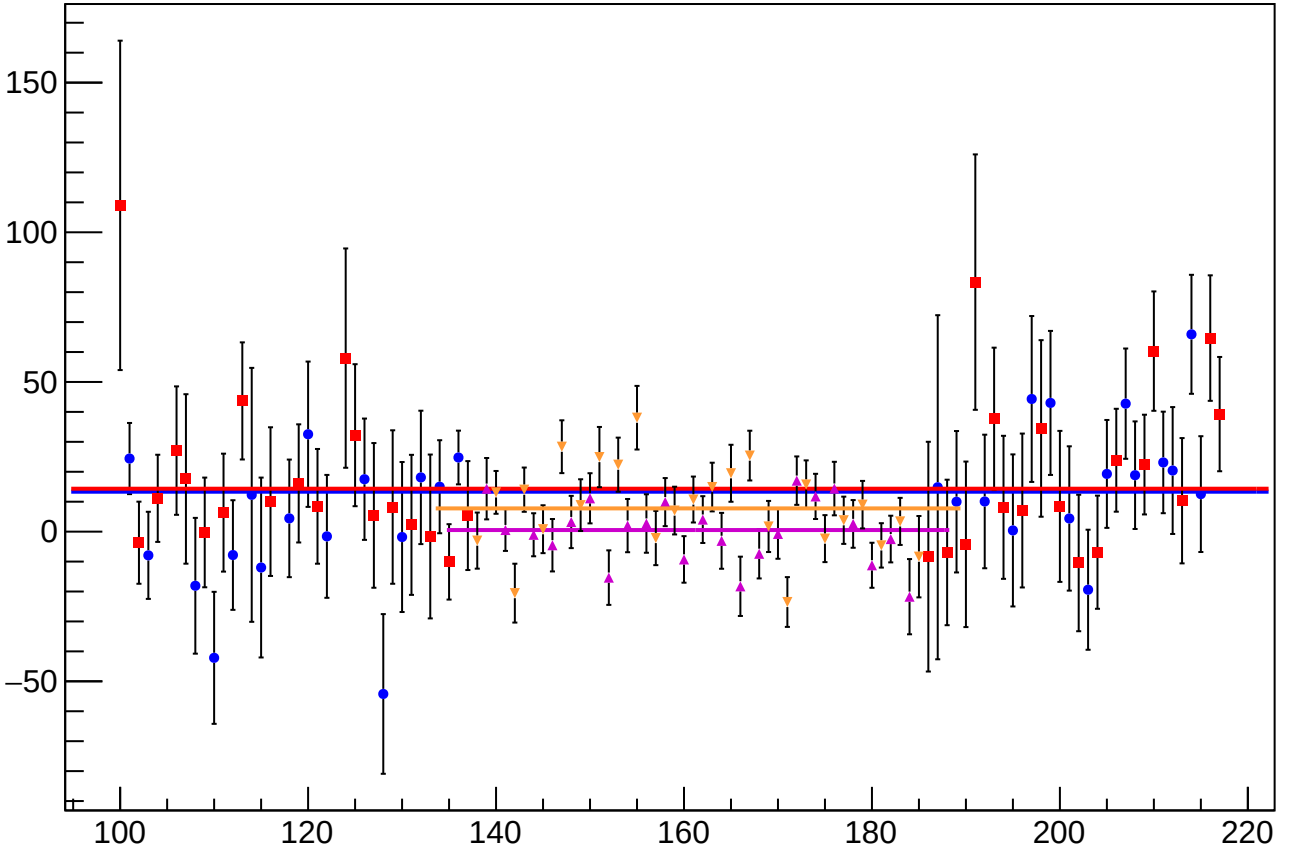
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 12253.593+/-1.505 χ^2/NDF: 10493138.4/55

All: 12440.089+/-1.081 χ^2/NDF: 22175586.6/

- sign 12639.160+/-1.555 χ^2/NDF: 11650693.7/58

diff_bpm4aediffX_mean vs Slug



Right In: 13.340+/-3.449 χ^2/NDF: 39.2/30

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 14.339+/-3.522 χ^2/NDF: 36.7/35

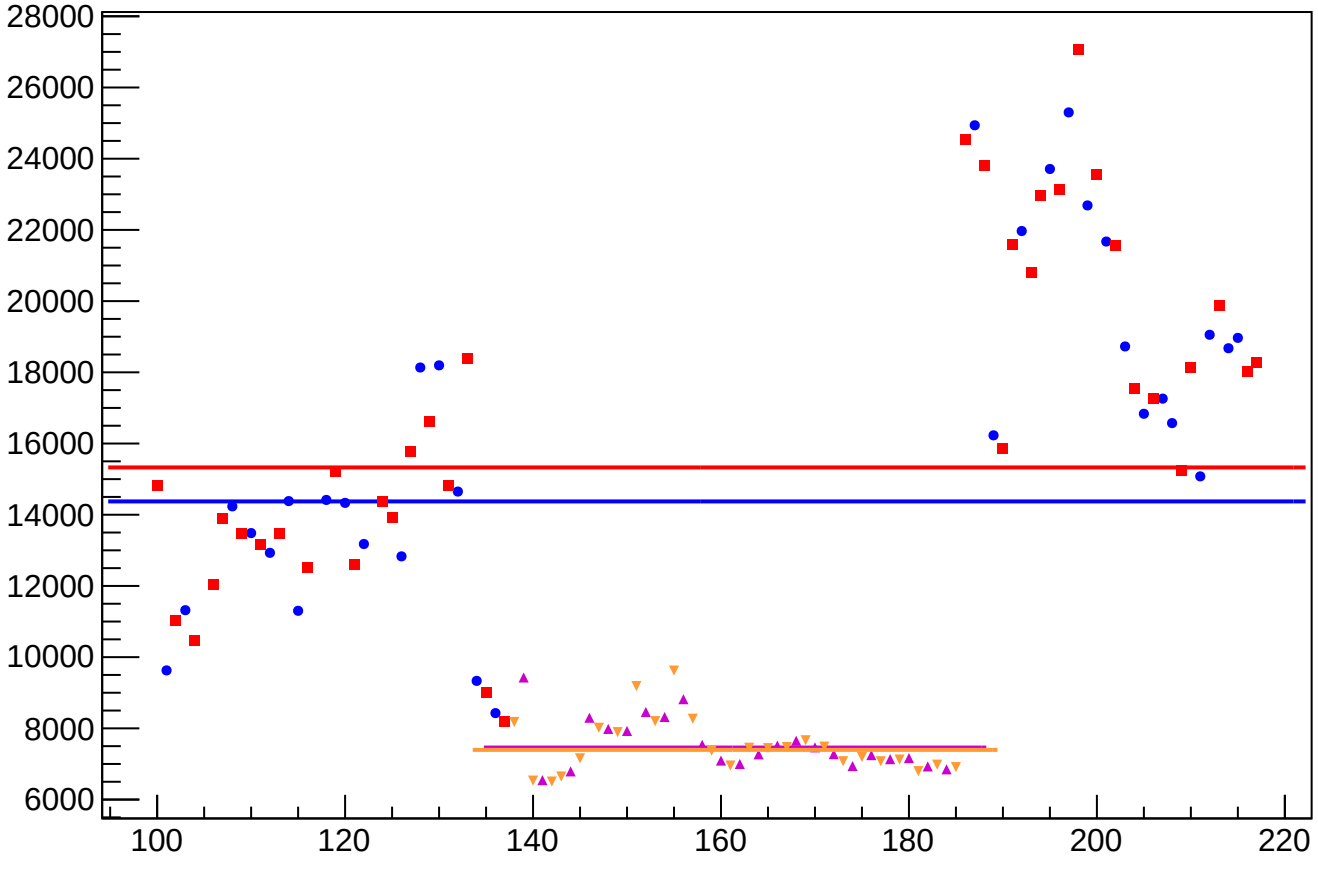
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.844+/-1.519 χ^2/NDF: 102.3/55

All: 6.148+/-1.091 χ^2/NDF: 187.3/114

- sign 3.271+/-1.569 χ^2/NDF: 78.5/58

diff_bpm4aediffX_rms vs Slug



Right In: 14373.934+/-2.439 χ^2/NDF: 3470788.3/30

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15328.469+/-2.490 χ^2/NDF: 3299329.5/35

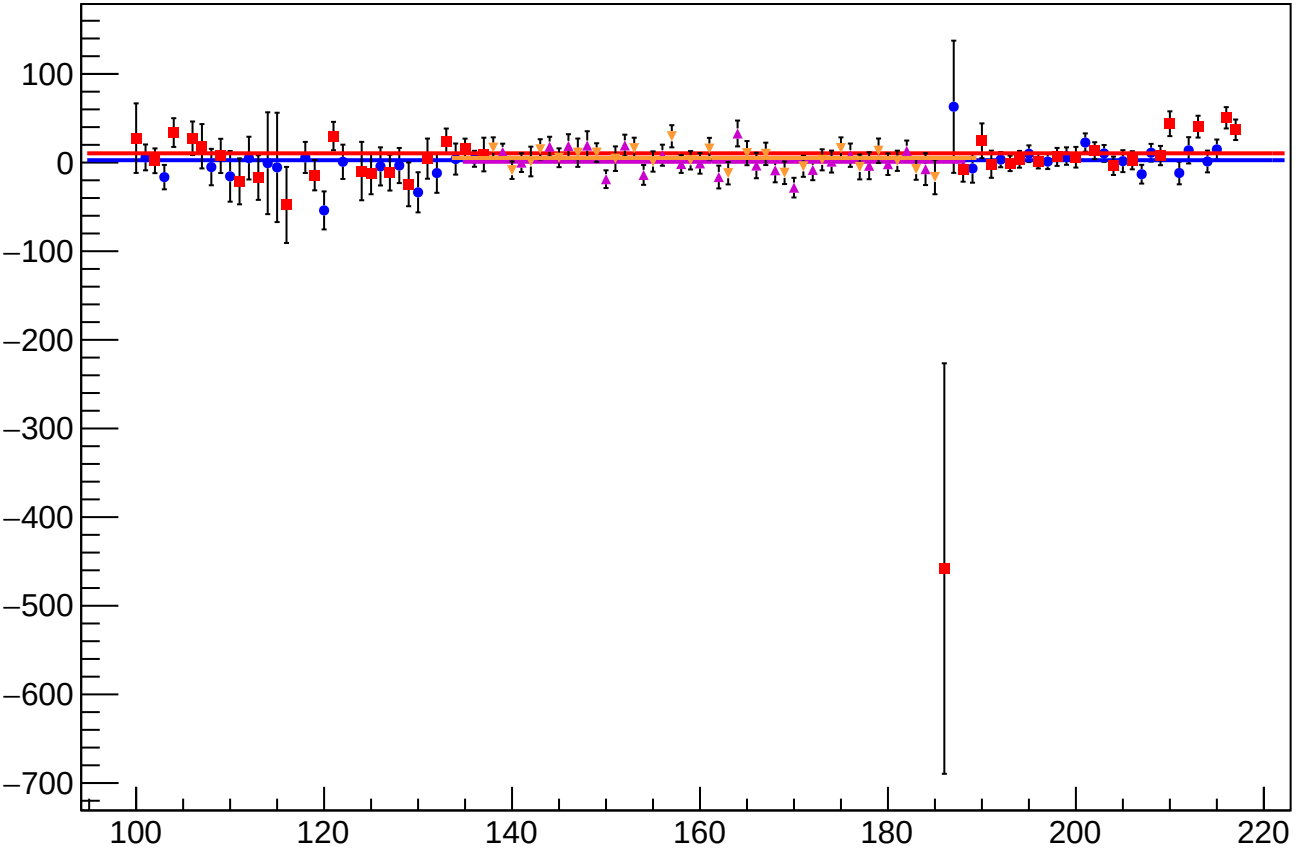
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8748.340+/-1.074 χ^2/NDF: 10393725.5/55

All: 8880.550+/-0.772 χ^2/NDF: 22009778.9/1

- sign 9021.588+/-1.109 χ^2/NDF: 11584727.4/58

diff_bpm4aesumY_mean vs Slug



Right In: 2.677+/-2.408 χ^2/NDF: 25.0/30

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 10.447+/-2.328 χ^2/NDF: 58.7/35

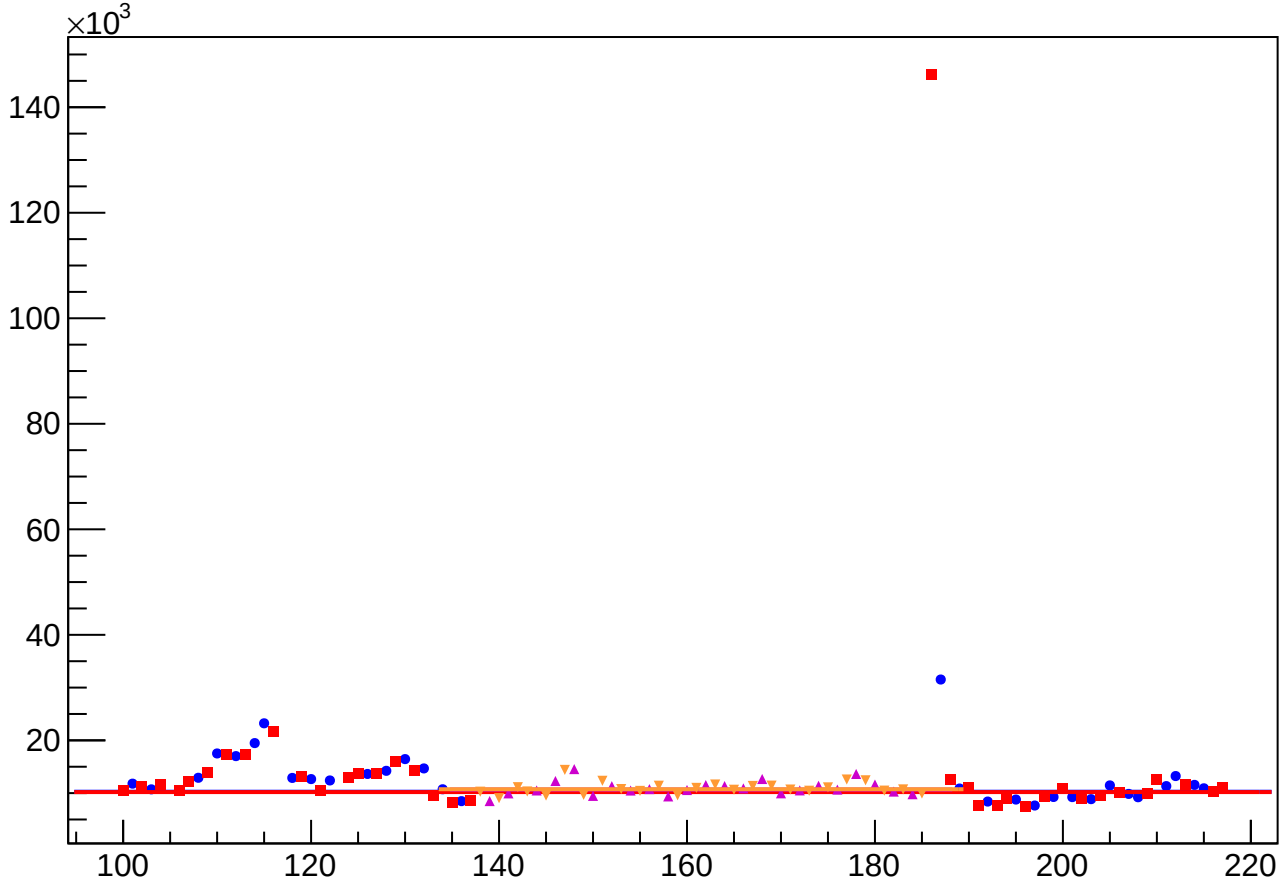
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.901+/-1.720 χ^2/NDF: 43.9/55

All: 4.980+/-1.213 χ^2/NDF: 143.0/114

- sign 6.045+/-1.709 χ^2/NDF: 98.3/58

diff_bpm4aesumY_rms vs Slug



Right In: 10261.223+/-1.703 χ^2/NDF: 1763631.4/30

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10195.291+/-1.646 χ^2/NDF: 2403188.2/35

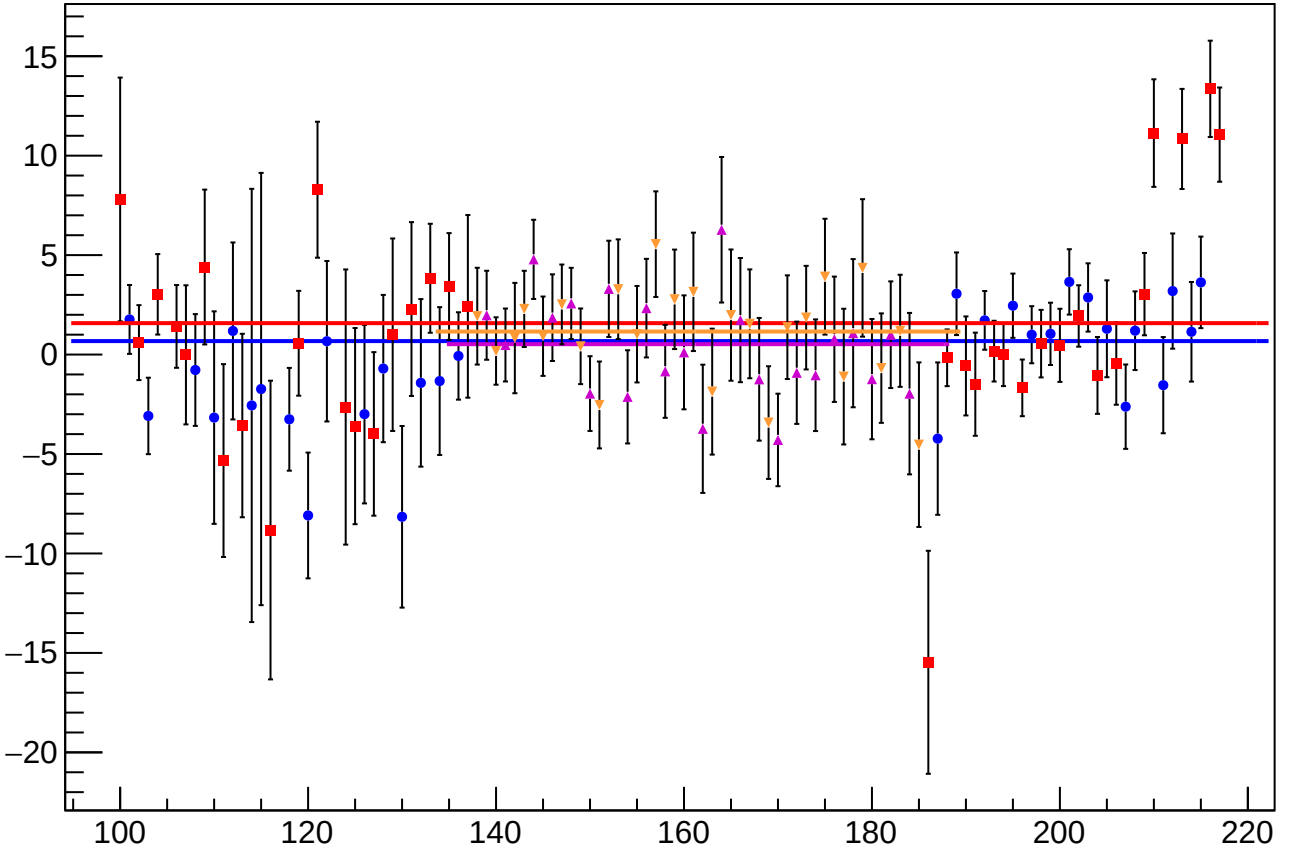
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10492.514+/-1.216 χ^2/NDF: 2169615.6/55

All: 10454.662+/-0.857 χ^2/NDF: 5114786.2/1

- sign 10417.286+/-1.209 χ^2/NDF: 2943246.2/58

diff_bpm4aediffY_mean vs Slug



Right In: 0.677+/-0.419 χ^2/NDF: 35.9/30

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.580+/-0.395 χ^2/NDF: 106.0/35

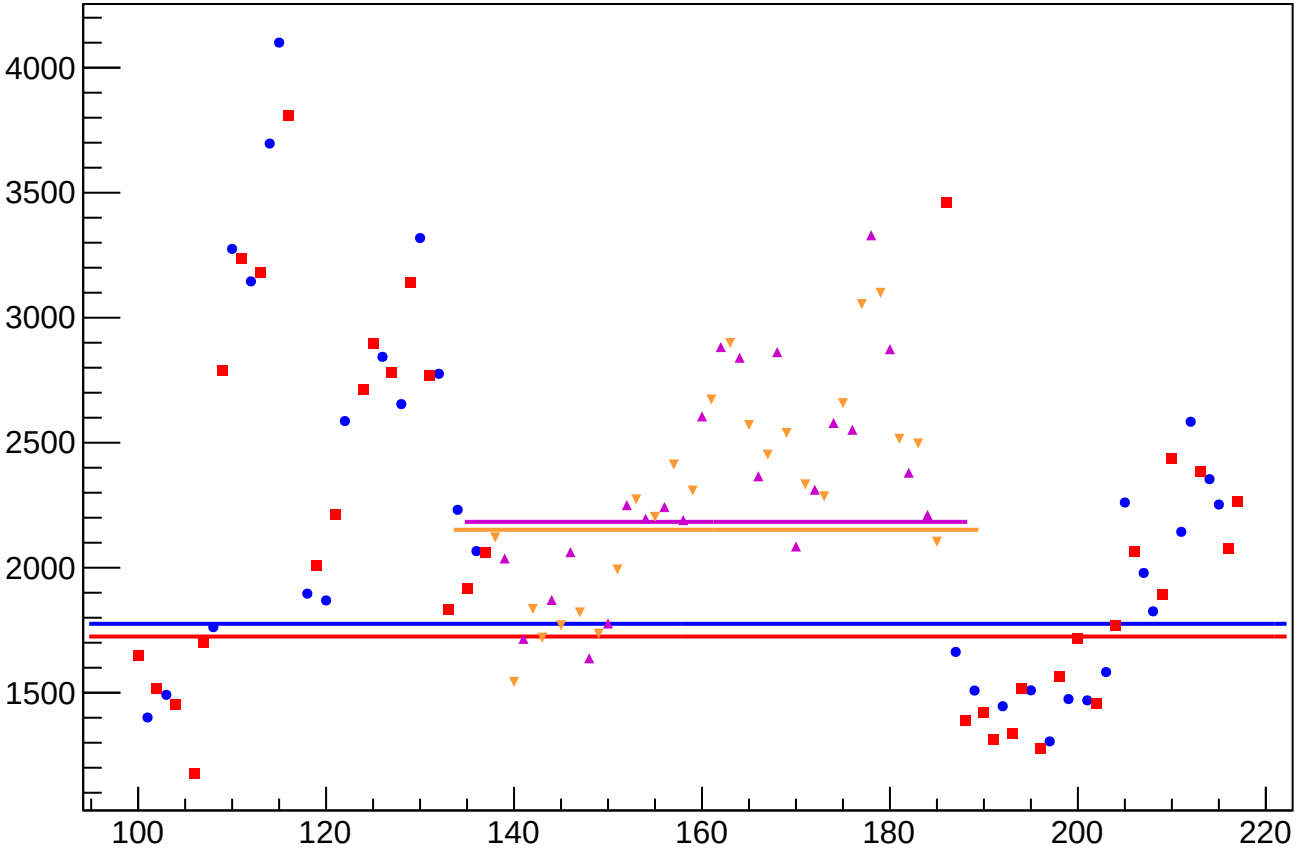
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

\+ sign 0.876+/-0.321 χ^2/NDF: 53.3/55

All: 1.037+/-0.225 χ^2/NDF: 184.7/114

\- sign 1.192+/-0.315 χ^2/NDF: 130.9/58

diff_bpm4aediffY_rms vs Slug



Right In: 1775.706+/-0.297 χ^2/NDF: 2423851.6/30

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

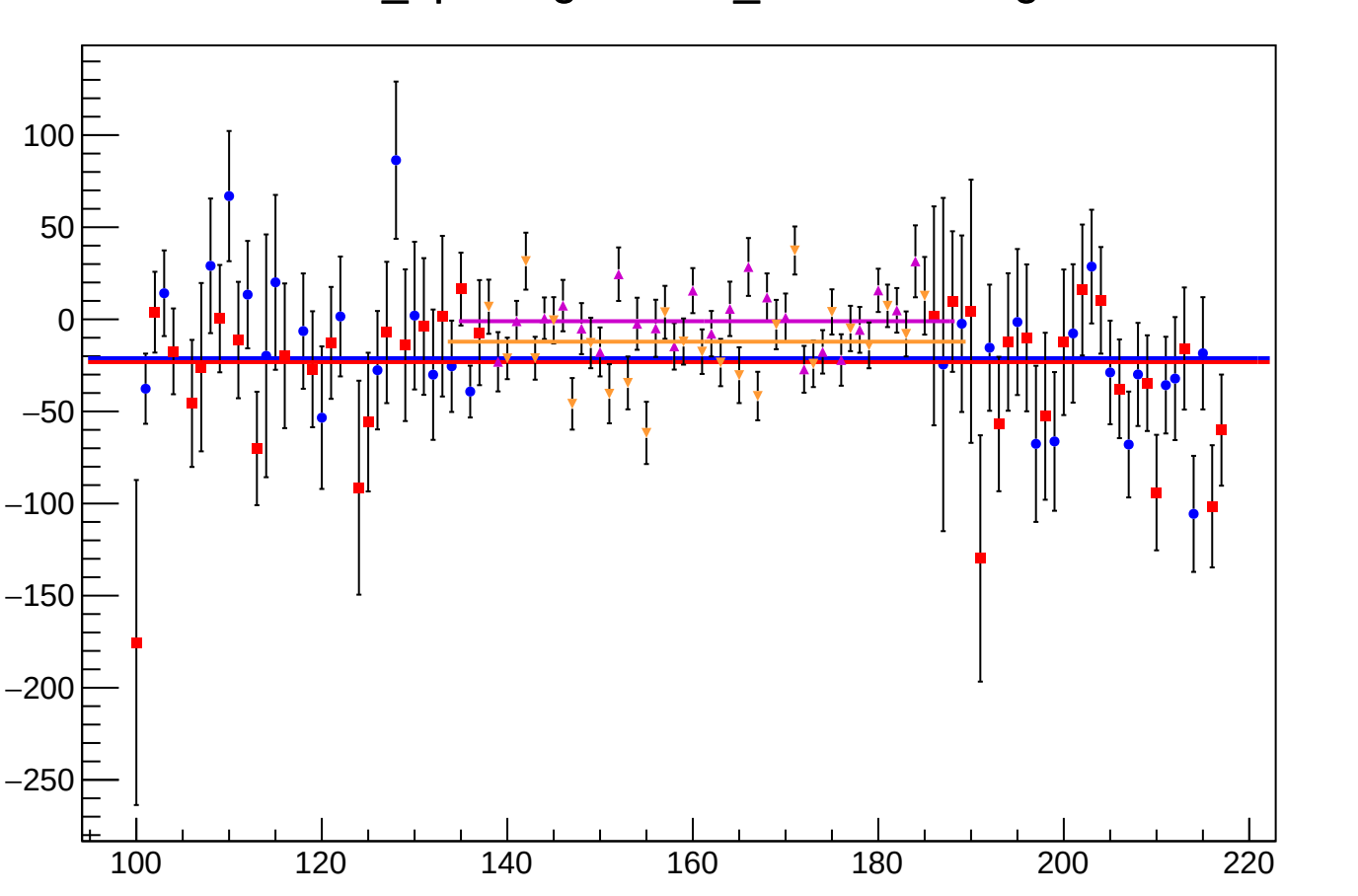
Right Out: 1724.823+/-0.280 χ^2/NDF: 2868267.8/35

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1931.008+/-0.227 χ^2/NDF: 4437131.7/55

All: 1911.547+/-0.159 χ^2/NDF: 9468358.7/11

- sign 1892.890+/-0.223 χ^2/NDF: 5016864.4/58



Right In: -21.083+/-5.463 χ^2/NDF: 39.4/30

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

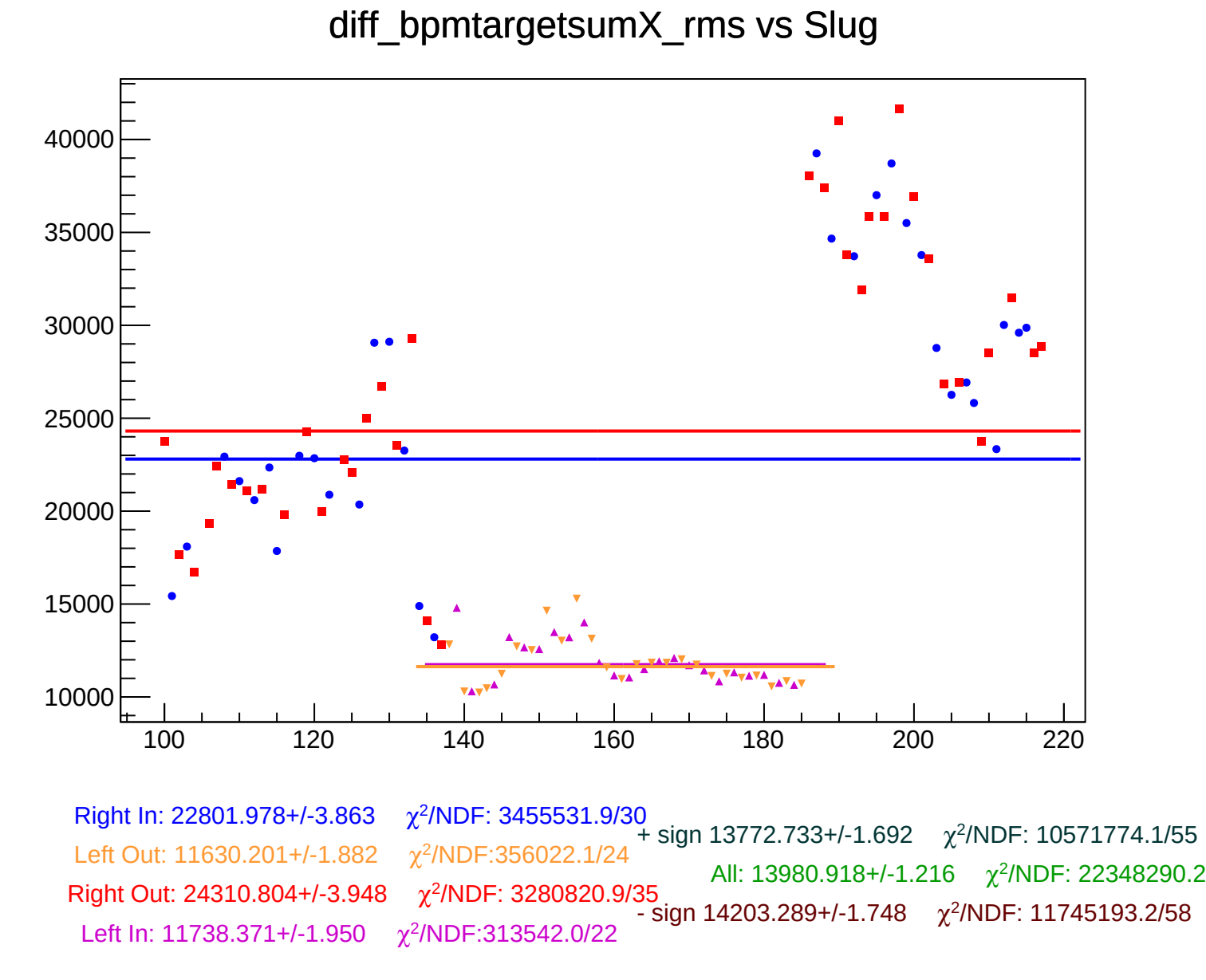
Right Out: -23.214+/-5.584 χ^2/NDF: 35.9/35

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

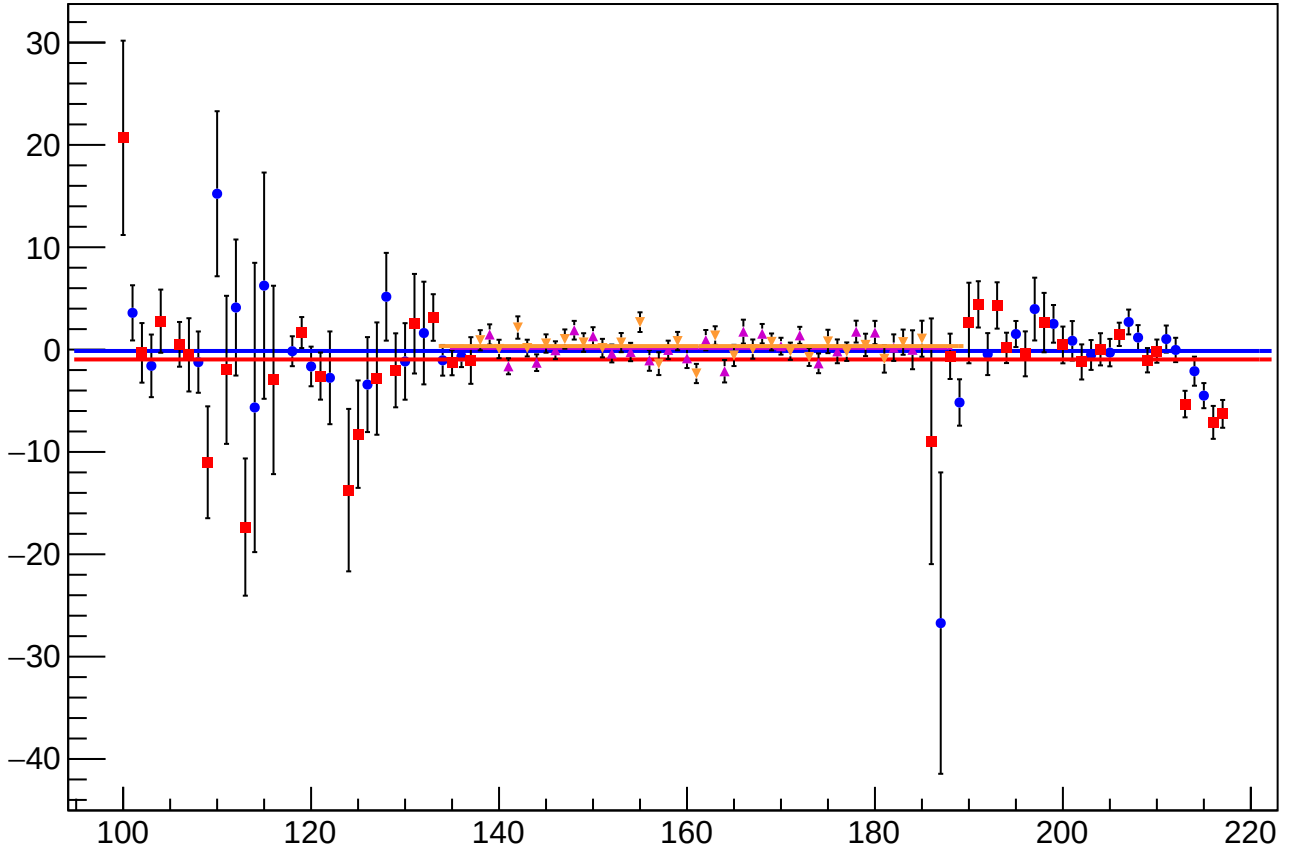
+ sign -13.851+/-2.392 χ^2/NDF: 104.2/55

All: -9.752+/-1.719 χ^2/NDF: 187.7/114

- sign -5.374+/-2.473 χ^2/NDF: 77.4/58


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 22801.978+/-3.863 χ²/NDF: 3455531.9/30
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24310.804+/-3.948 χ²/NDF: 3280820.9/35
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13772.733+/-1.692 χ²/NDF: 10571774.1/55
All: 13980.918+/-1.216 χ²/NDF: 22348290.2
- sign 14203.289+/-1.748 χ²/NDF: 11745193.2/58

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.134+/-0.327 χ^2/NDF: 46.7/30

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.963+/-0.338 χ^2/NDF: 90.6/35

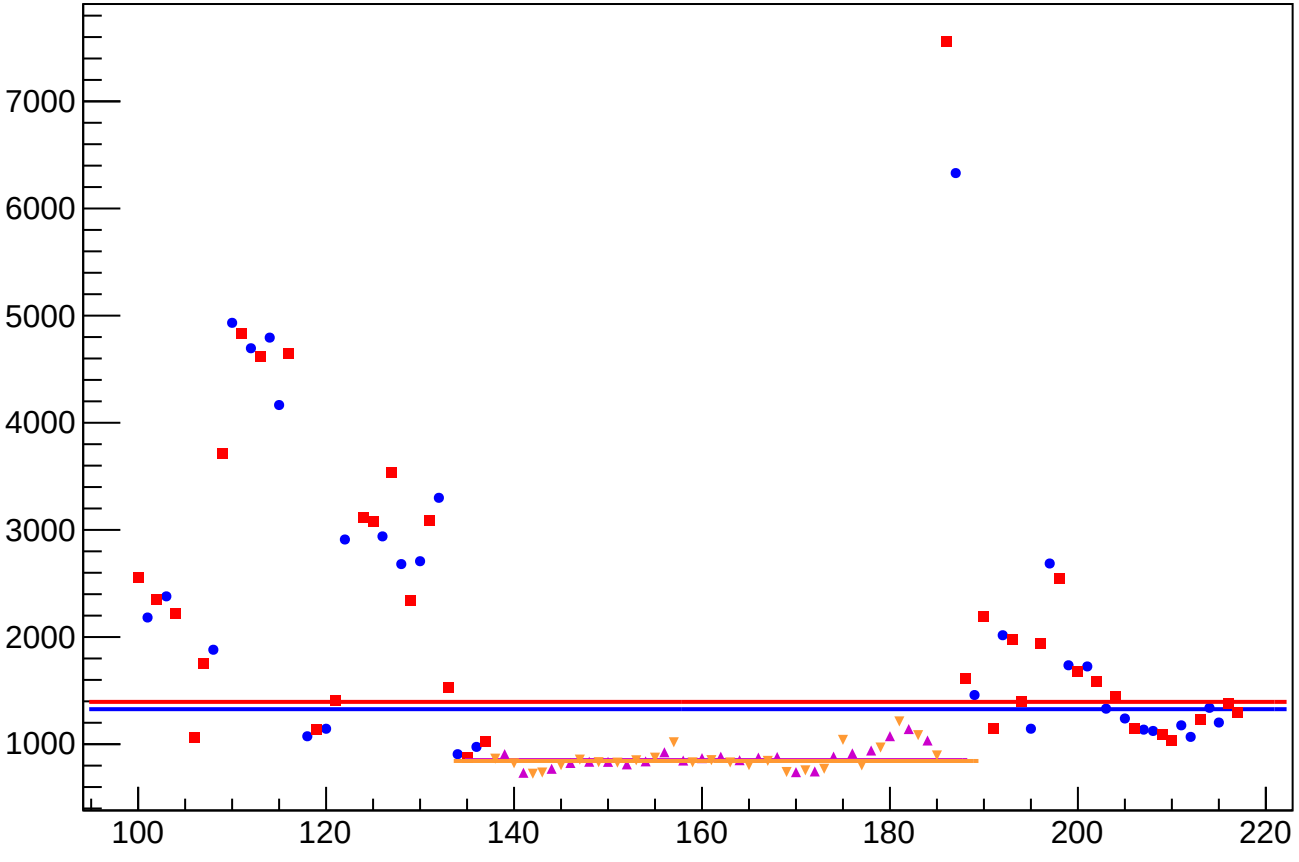
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.219+/-0.167 χ^2/NDF: 75.0/55

All: 0.051+/-0.120 χ^2/NDF: 212.4/114

- sign -0.130+/-0.173 χ^2/NDF: 135.2/58

diff_bpmtargetdiffX_rms vs Slug



Right In: 1326.741+/-0.232 χ^2/NDF: 4744731.9/30

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1394.945+/-0.239 χ^2/NDF: 5219295.2/35

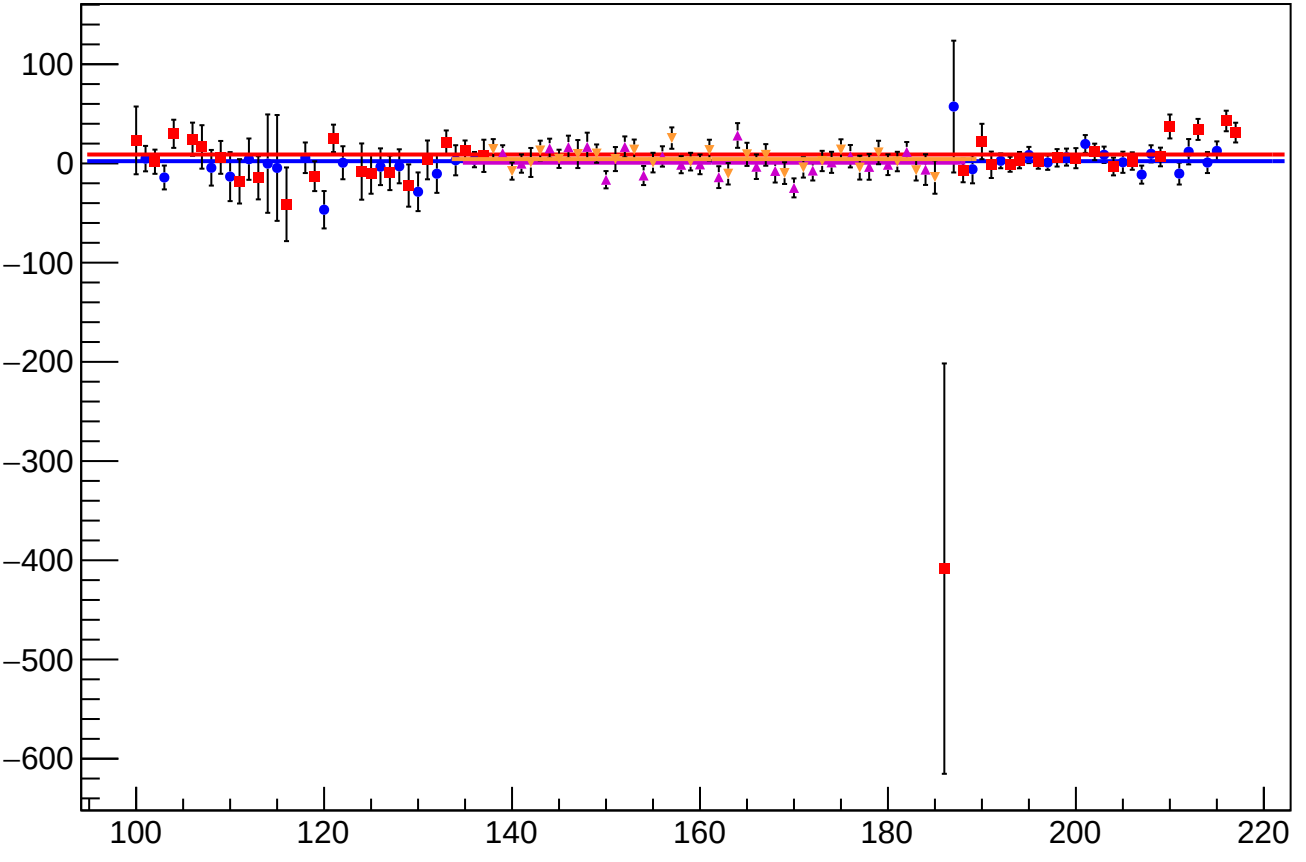
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 968.650+/-0.118 χ^2/NDF: 8479252.1/55

All: 980.708+/-0.085 χ^2/NDF: 17927463.9/11

- sign 993.631+/-0.122 χ^2/NDF: 9426545.2/58

diff_bpmtargetsumY_mean vs Slug



Right In: 2.289+/-2.085 χ^2/NDF: 24.6/30

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

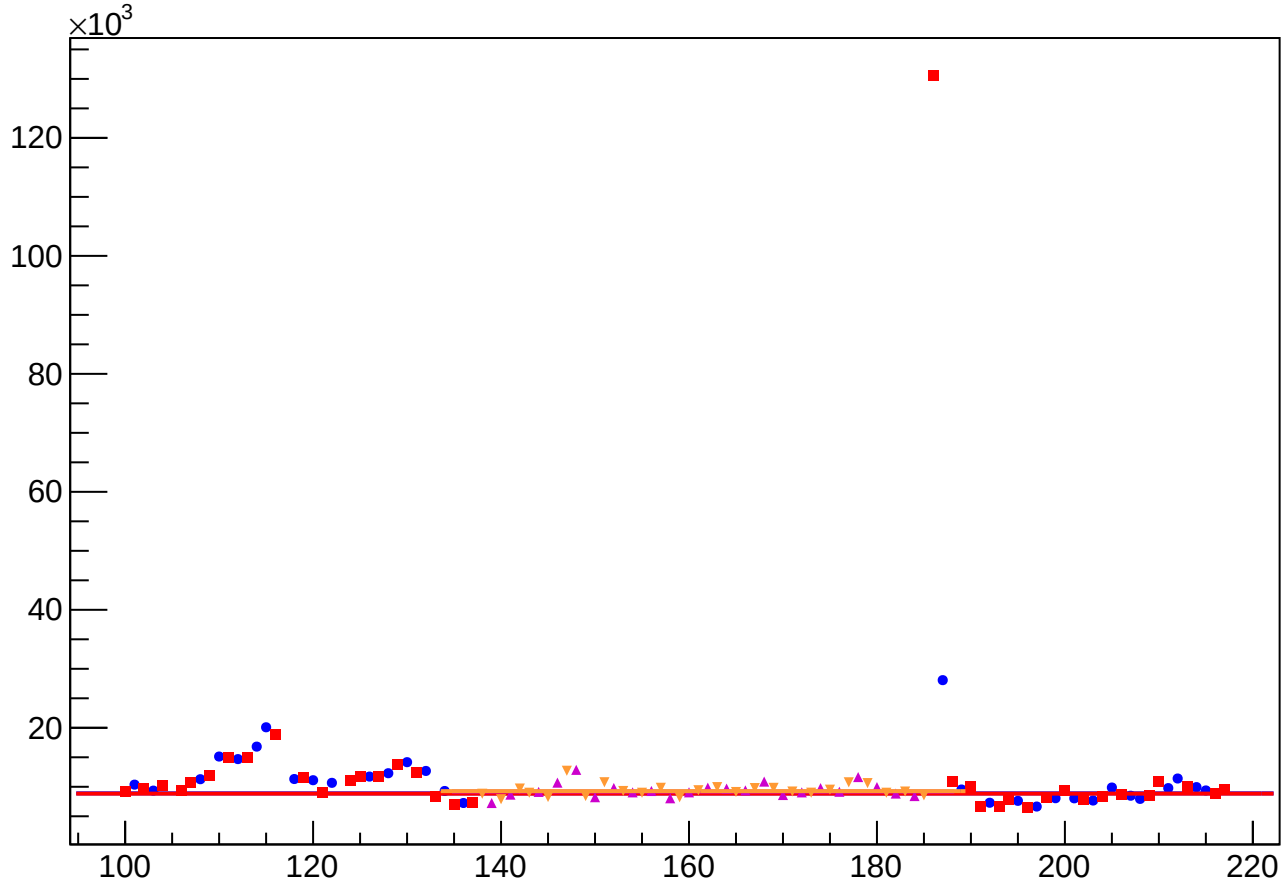
Right Out: 9.003+/-2.018 χ^2/NDF: 57.2/35

Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.318+/-1.487 χ^2/NDF: 43.7/55

All: 4.249+/-1.048 χ^2/NDF: 141.5/114

- sign 5.169+/-1.478 χ^2/NDF: 97.0/58



Right In: 8885.111+/-1.474 χ^2/NDF: 1765885.0/30

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8838.217+/-1.427 χ^2/NDF: 2399908.3/35

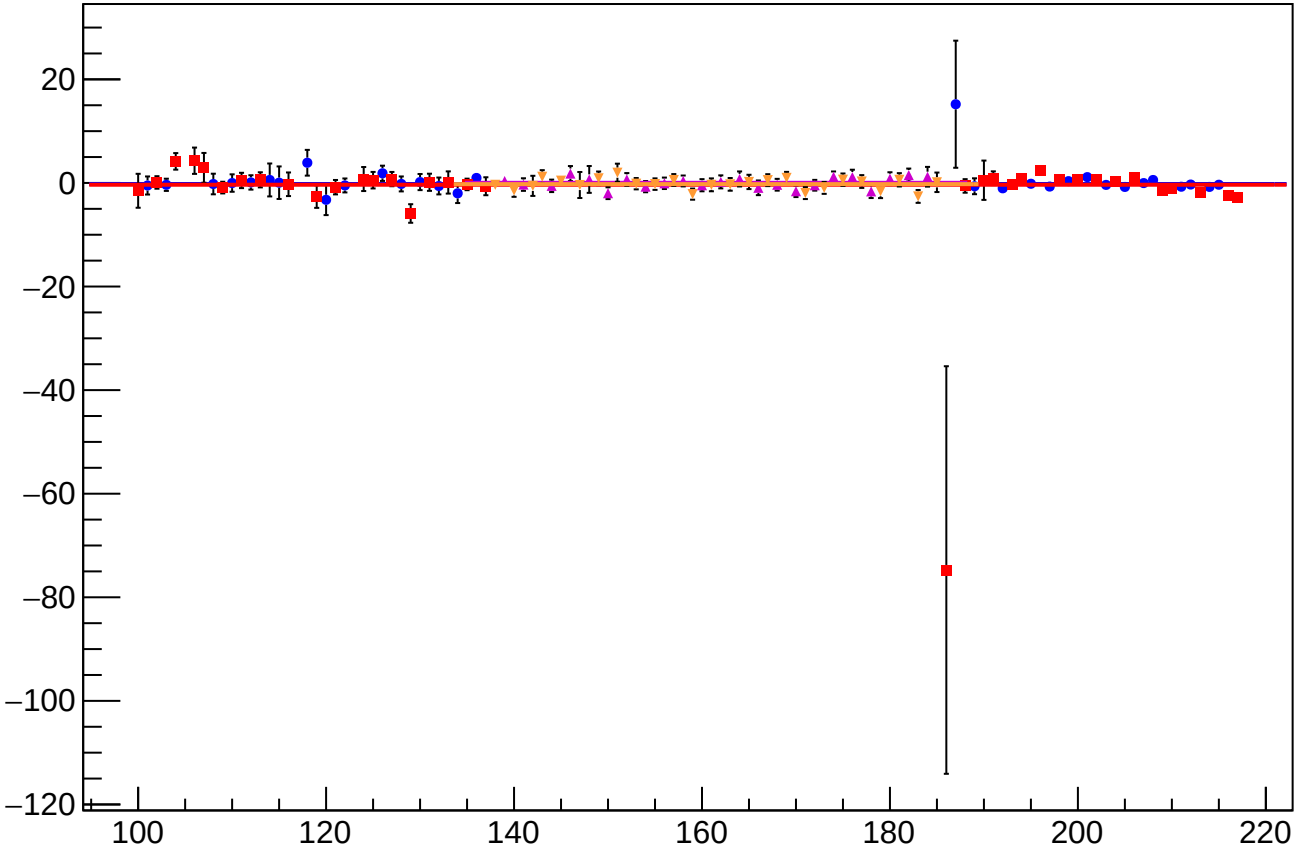
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9070.059+/-1.052 χ^2/NDF: 2163983.3/55

All: 9037.717+/-0.741 χ^2/NDF: 5110990.0/11

- sign 9005.767+/-1.045 χ^2/NDF: 2945126.3/58

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.206+/-0.171 χ^2/NDF: 18.8/30

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.345+/-0.170 χ^2/NDF: 91.1/35

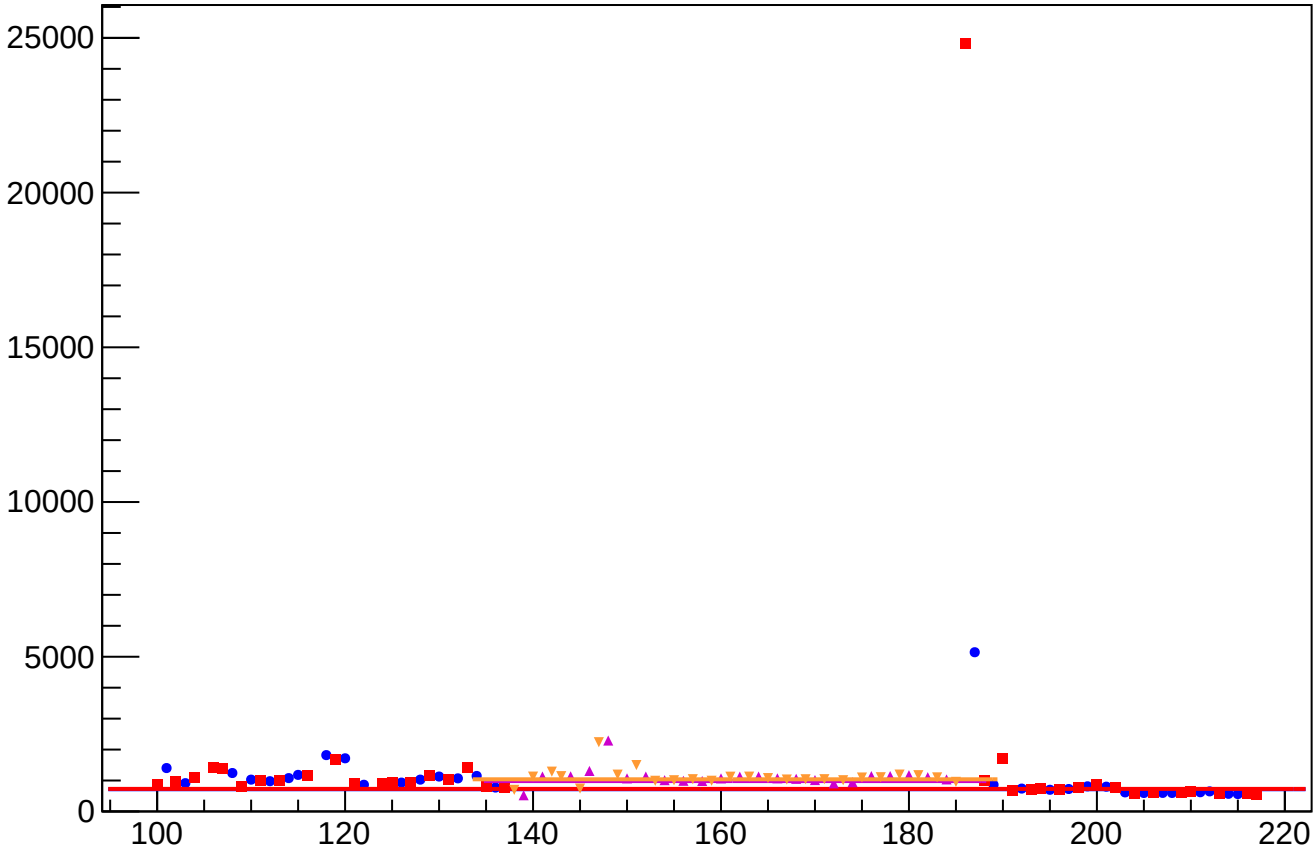
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.214+/-0.140 χ^2/NDF: 37.8/55

All: -0.217+/-0.098 χ^2/NDF: 145.7/114

- sign -0.221+/-0.139 χ^2/NDF: 108.0/58

diff_bpmtargetdiffY_rms vs Slug



Right In: 717.328+/-0.121 χ^2/NDF: 2737782.3/30

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

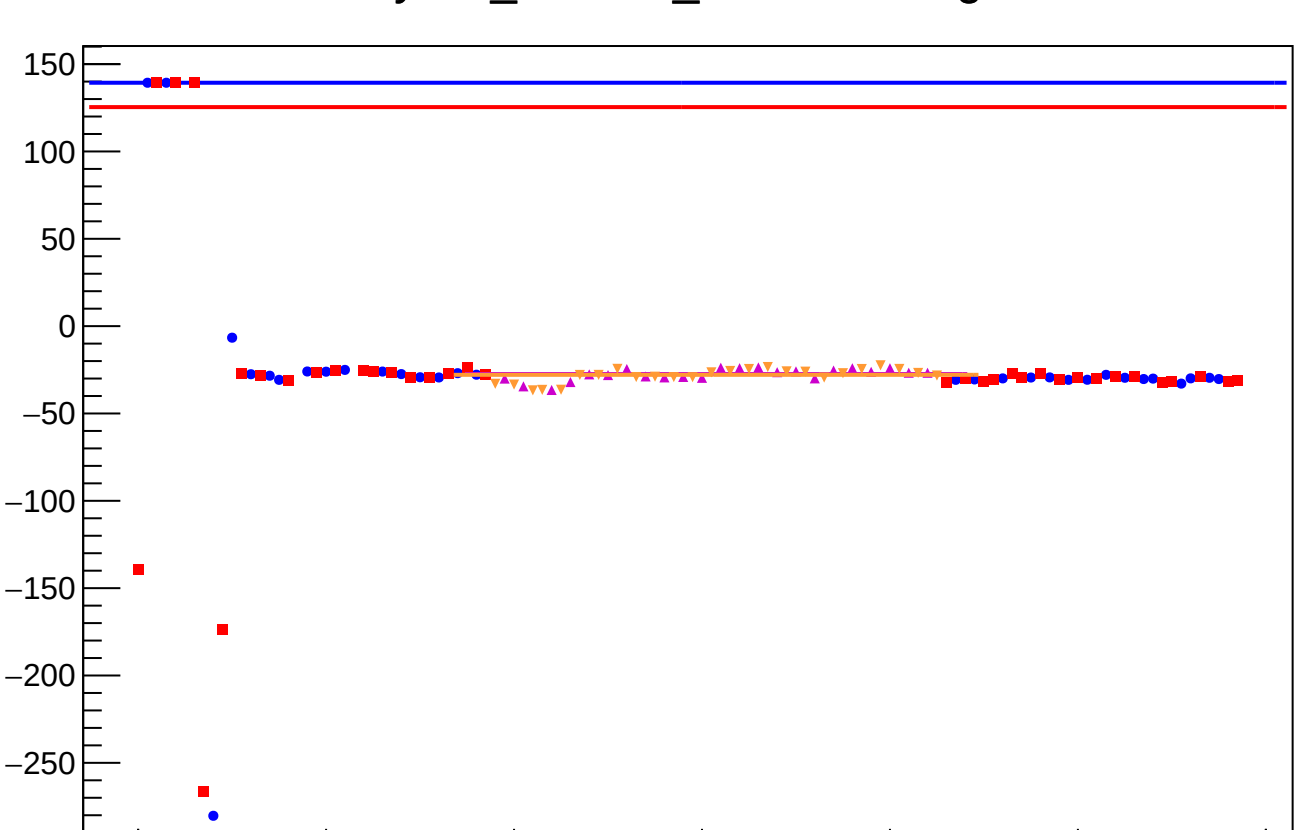
Right Out: 729.159+/-0.120 χ^2/NDF: 3225458.5/35

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 823.849+/-0.099 χ^2/NDF: 6421392.7/55

All: 818.835+/-0.070 χ^2/NDF: 13358963.7/11

- sign 813.924+/-0.098 χ^2/NDF: 6932490.4/58



Right In: 139.336+/-0.000 χ^2/NDF: 67957227638.9/30

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774192236728746.4/35

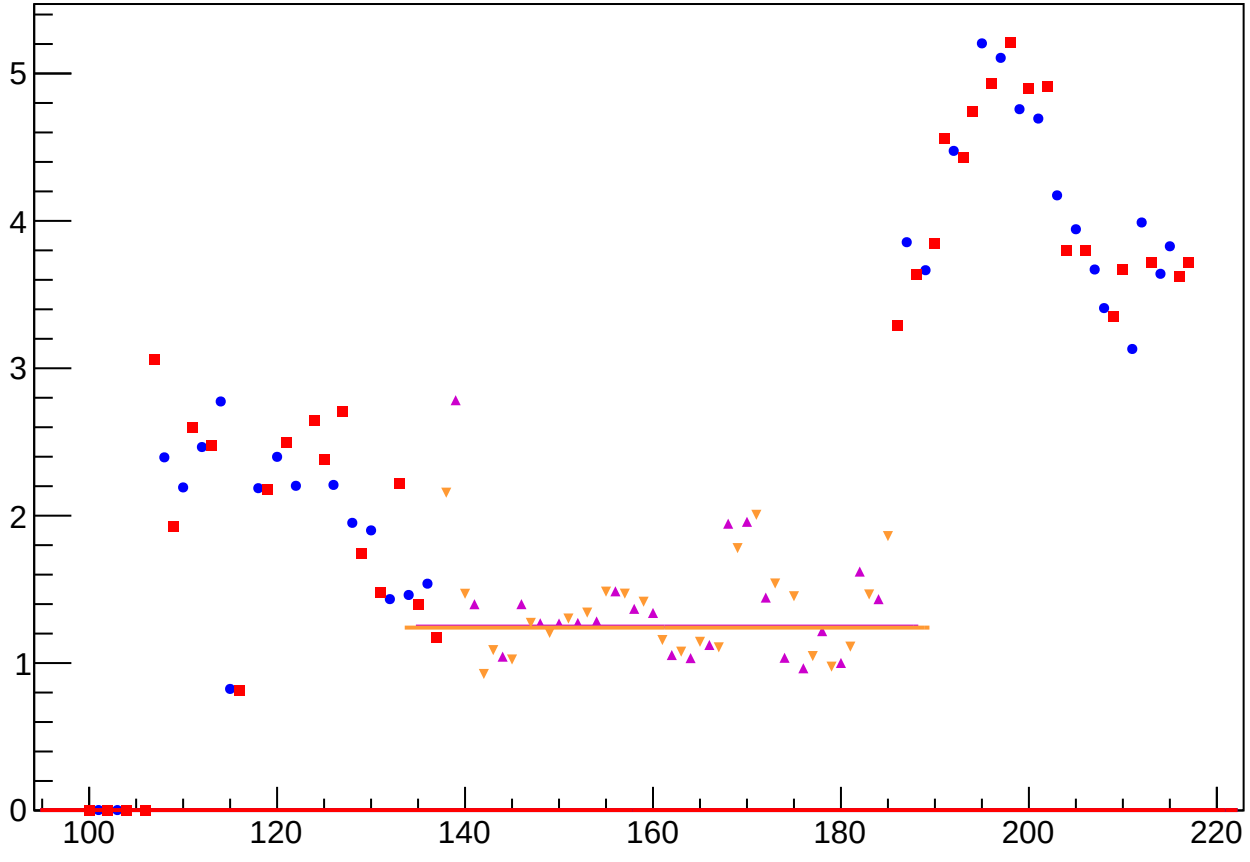
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 342498813561.9/5

All: 131.810+/-0.000 χ^2/NDF: 79352719890

- sign 125.384+/-0.000 χ^2/NDF: 774405888751594

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 32860302.6/30

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

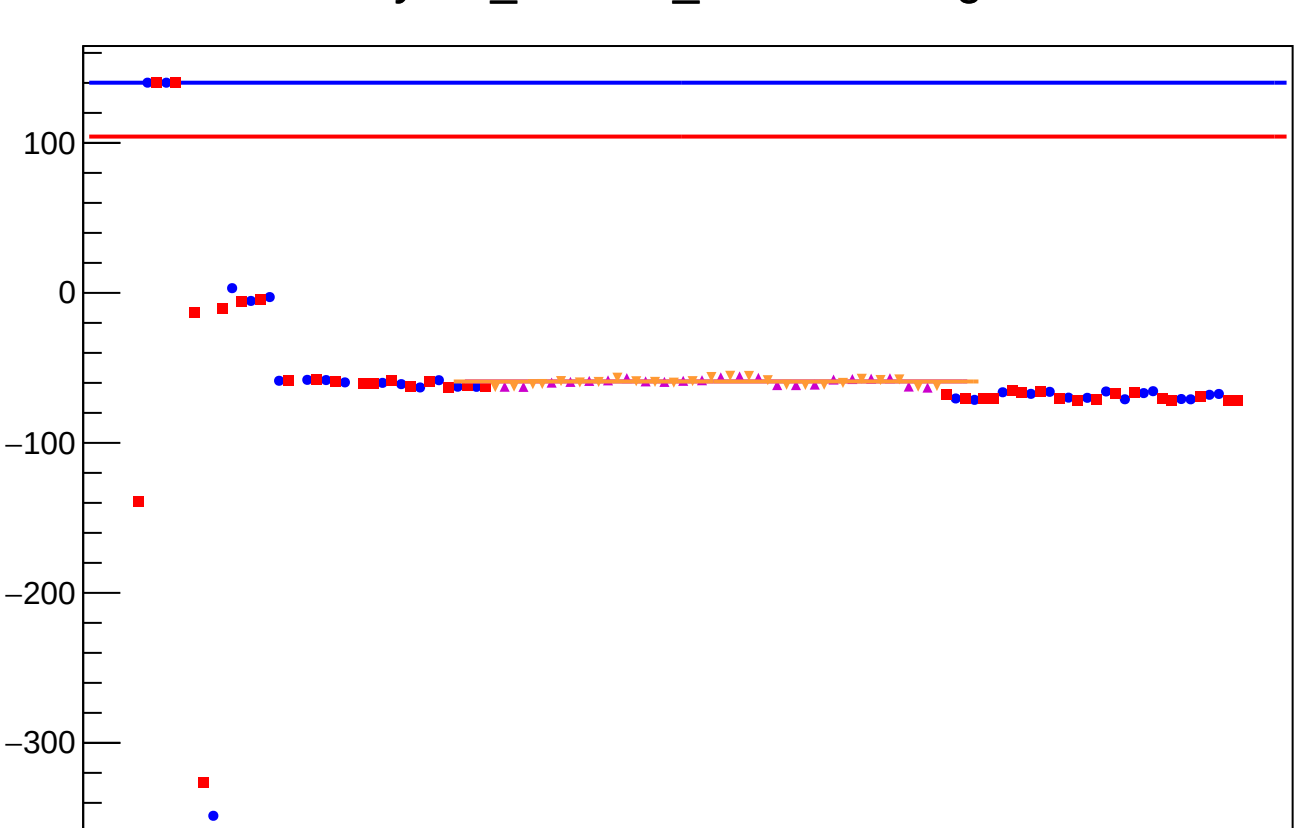
Right Out: 0.003+/-0.000 χ^2/NDF: 35252053.4/35

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 64158177.6/55

All: 0.003+/-0.000 χ^2/NDF: 129177323.9/114

- sign 0.003+/-0.000 χ^2/NDF: 65018748.2/58



Right In: 140.134+/-0.000 χ^2/NDF: 536288836234.3/30

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.216+/-0.000 χ^2/NDF: 1257687074400449.5/35

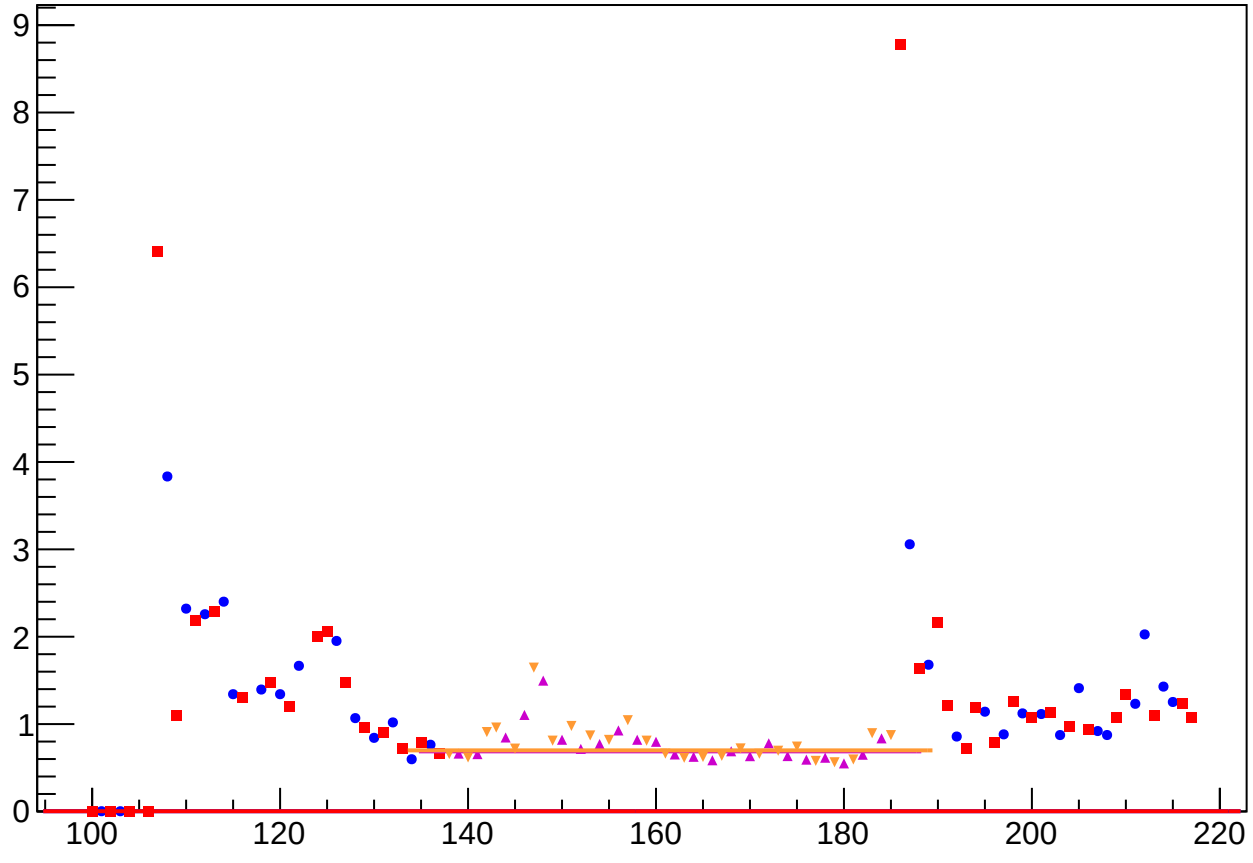
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.097+/-0.000 χ^2/NDF: 1833357048116.3

All: 120.793+/-0.000 χ^2/NDF: 13836233086

- sign 104.191+/-0.000 χ^2/NDF: 125854405556242

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 30008924.1/30

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 32641397.7/35

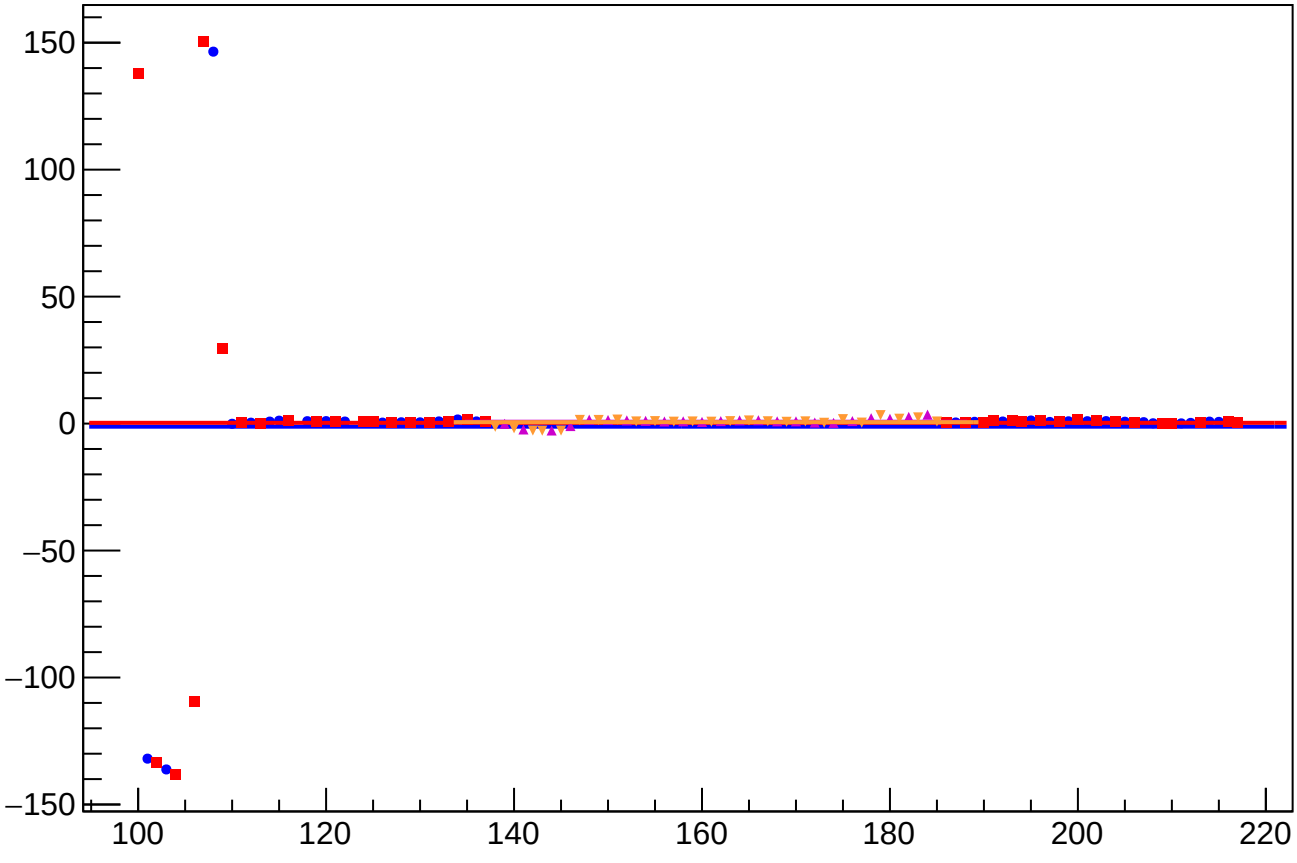
Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 63058897.7/55

All: 0.003+/-0.000 χ^2/NDF: 127007181.4/114

- sign 0.003+/-0.000 χ^2/NDF: 63947716.2/58

yield_cav4cX_mean vs Slug



Right In: -1.219+/-0.000 χ^2/NDF: 9910997955.9/30

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.302+/-0.000 χ^2/NDF: 3613086805.8/35

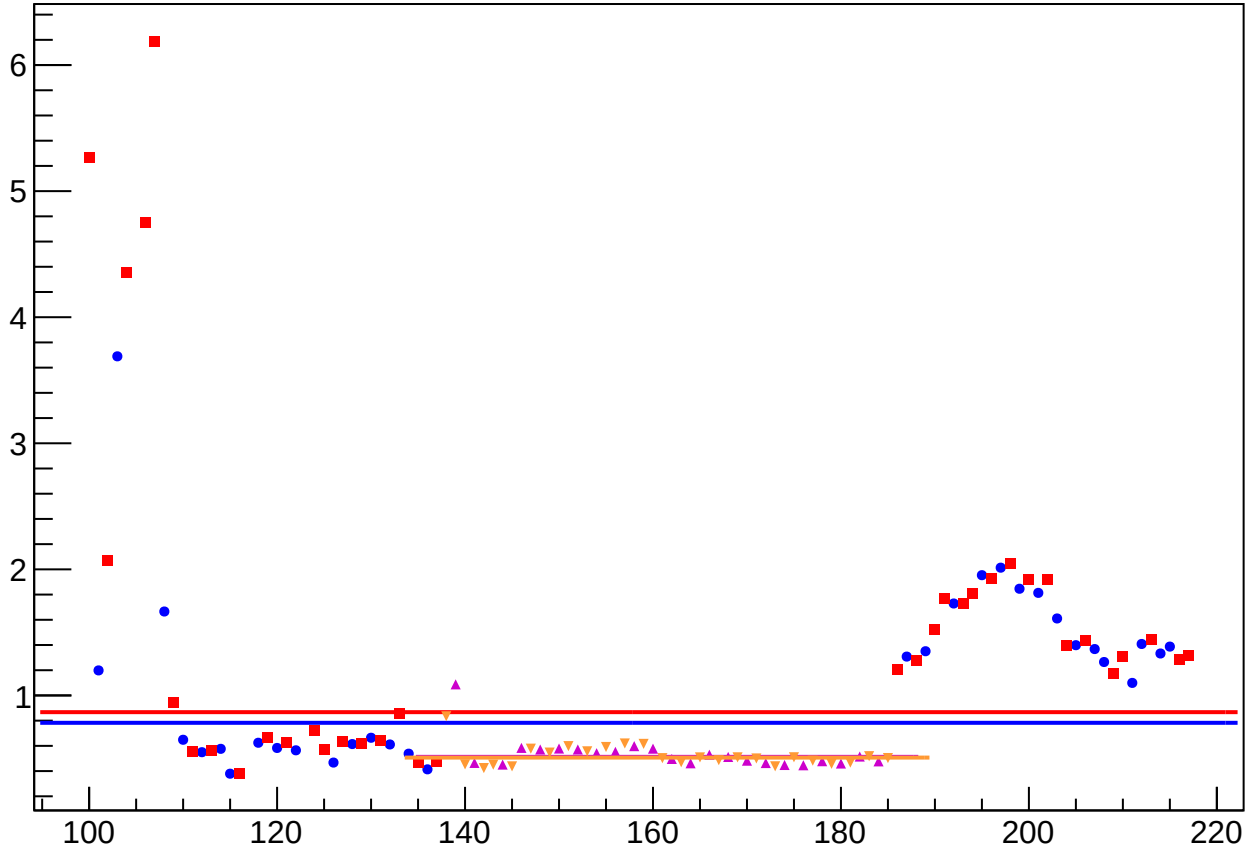
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.107+/-0.000 χ^2/NDF: 10116425213.0/55

All: 0.353+/-0.000 χ^2/NDF: 13847738449.7/1

- sign 0.623+/-0.000 χ^2/NDF: 3720865788.5/58

yield_cav4cX_rms vs Slug



Right In: 0.783+/-0.000 χ^2/NDF: 8727724.8/30

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.867+/-0.000 χ^2/NDF: 9176553.5/35

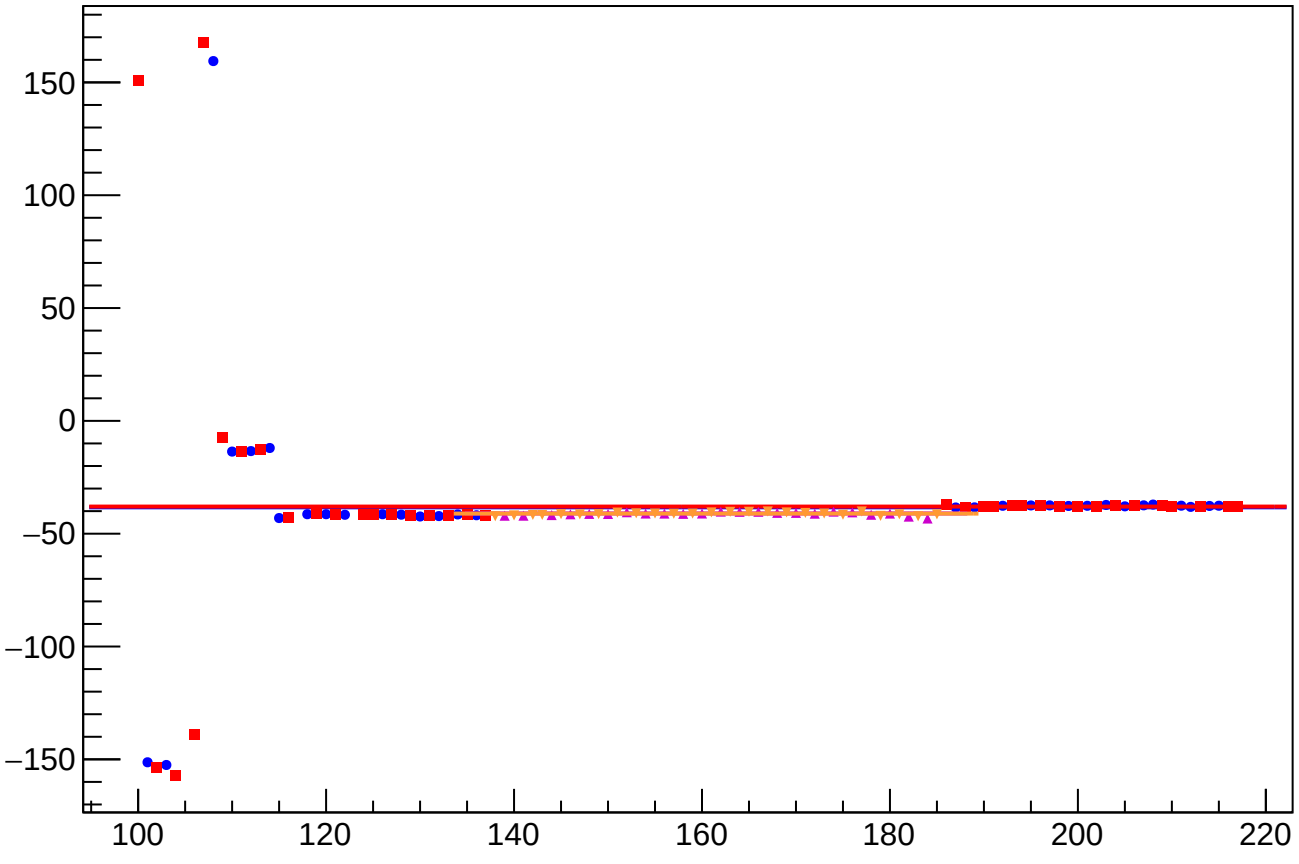
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.579+/-0.000 χ^2/NDF: 11698365.7/55

All: 0.591+/-0.000 χ^2/NDF: 25264962.1/114

- sign 0.603+/-0.000 χ^2/NDF: 13520554.7/58

yield_cav4cY_mean vs Slug



Right In: -38.313+/-0.000 χ^2/NDF: 3623138096.8/30

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.983+/-0.000 χ^2/NDF: 2514567051.9/35

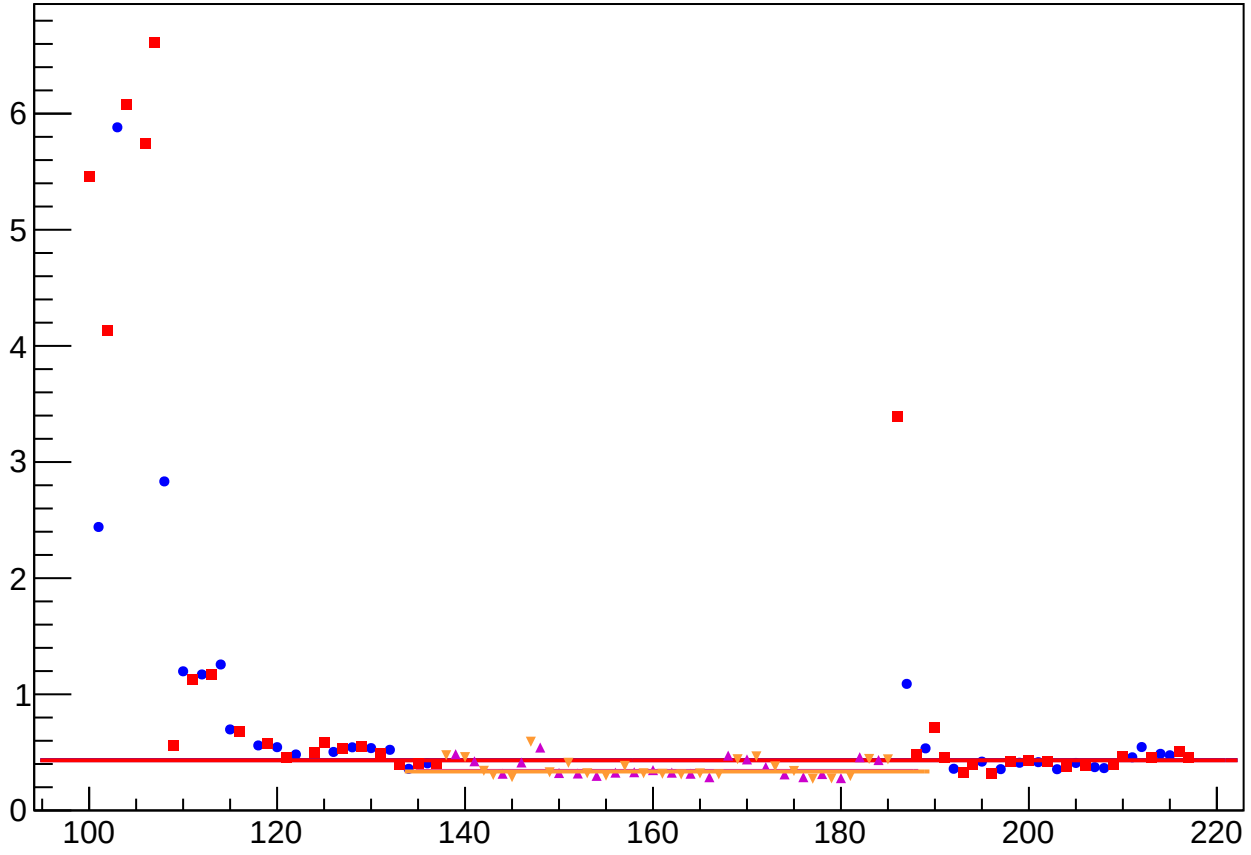
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.122+/-0.000 χ^2/NDF: 4107936548.3/55

All: -39.997+/-0.000 χ^2/NDF: 7194926005.3/

- sign -39.868+/-0.000 χ^2/NDF: 3079295157.1/58

yield_cav4cY_rms vs Slug



Right In: 0.433+/-0.000 χ^2/NDF: 3853968.6/30

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

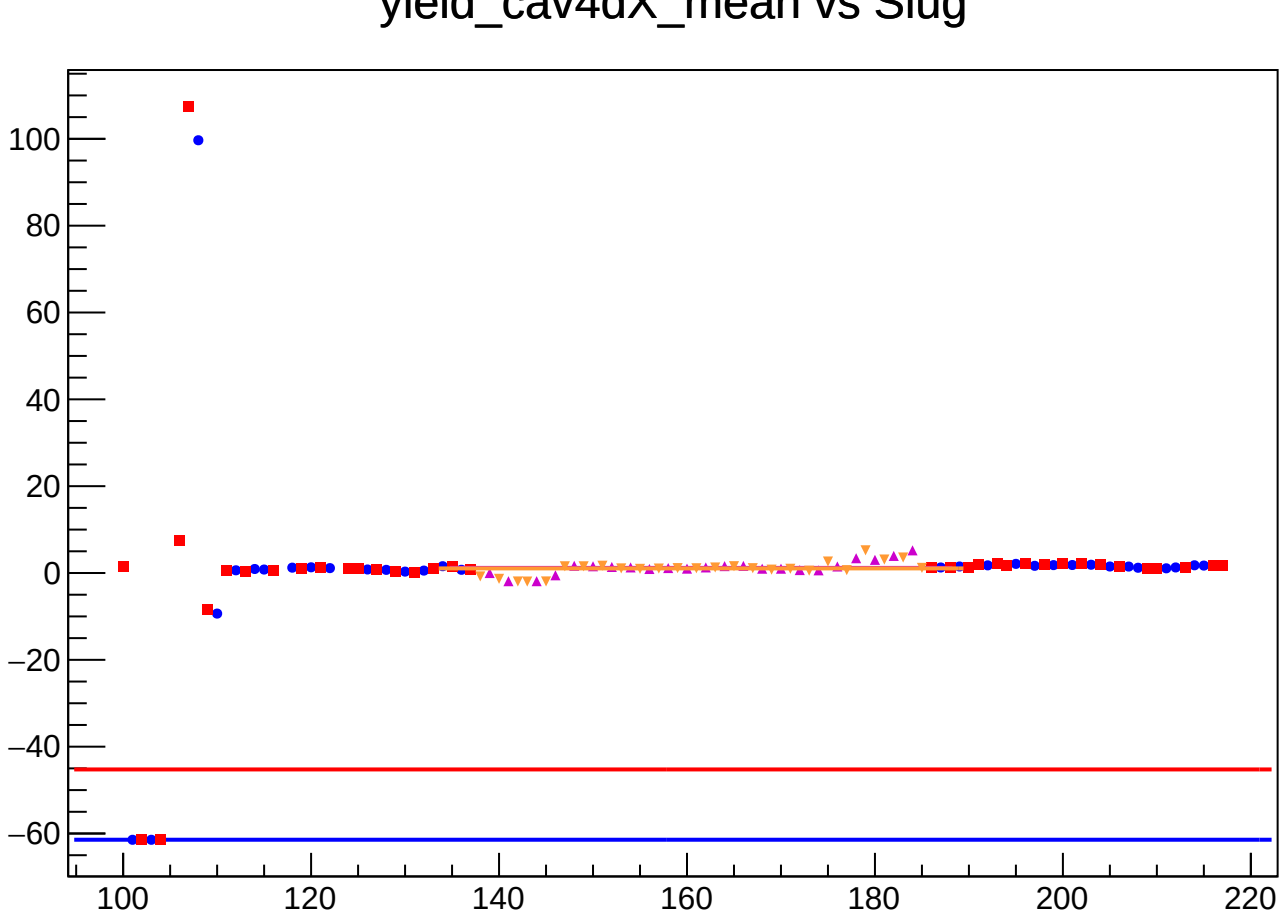
Right Out: 0.432+/-0.000 χ^2/NDF: 4743892.3/35

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.370+/-0.000 χ^2/NDF: 6142813.3/55

All: 0.372+/-0.000 χ^2/NDF: 12888268.0/114

- sign 0.375+/-0.000 χ^2/NDF: 6738498.0/58



Right In: -61.435+/-0.000 χ^2/NDF: 302077398570.1/30

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357887459894557.4/35

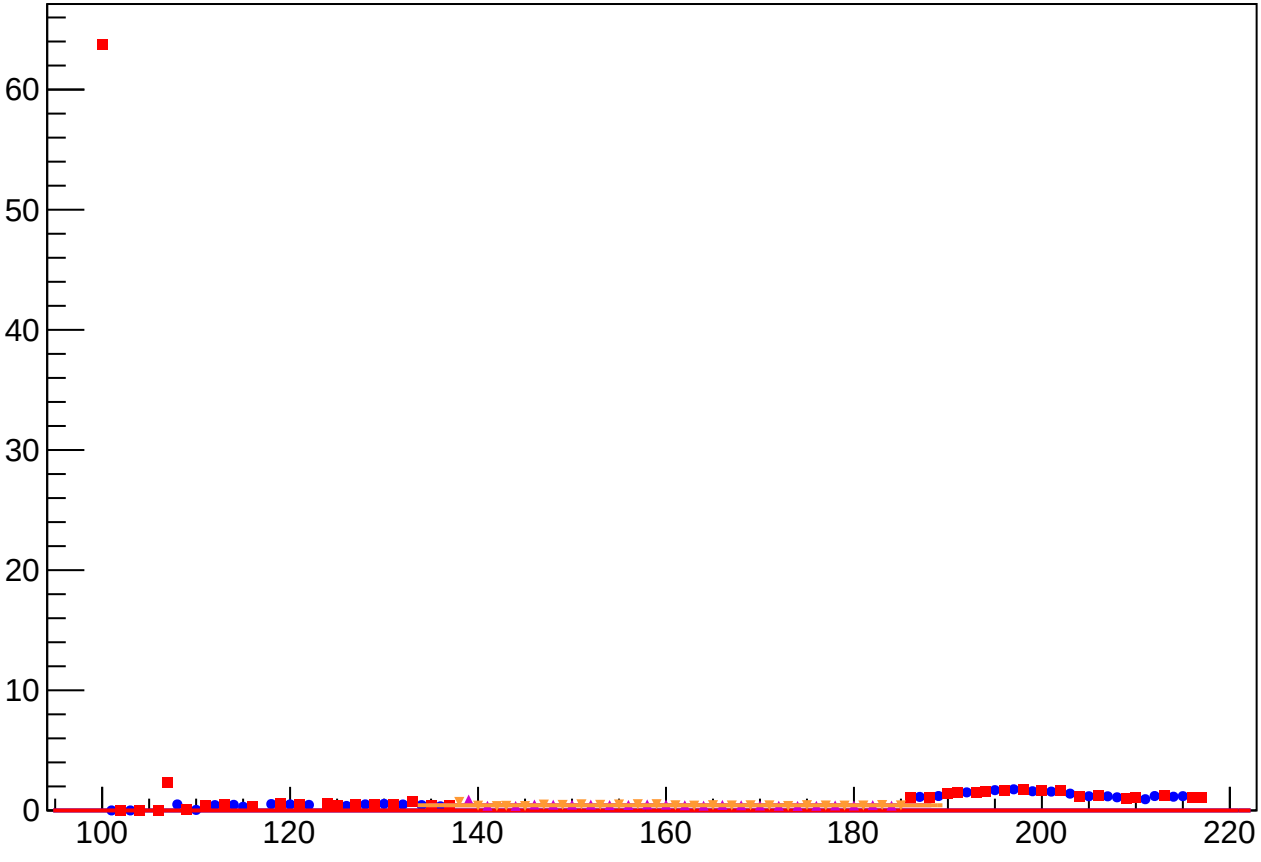
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 632072837356.4/5

All: -52.737+/-0.000 χ^2/NDF: 409635621141

- sign -45.236+/-0.000 χ^2/NDF: 358054020564272.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 32442036.4/30

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

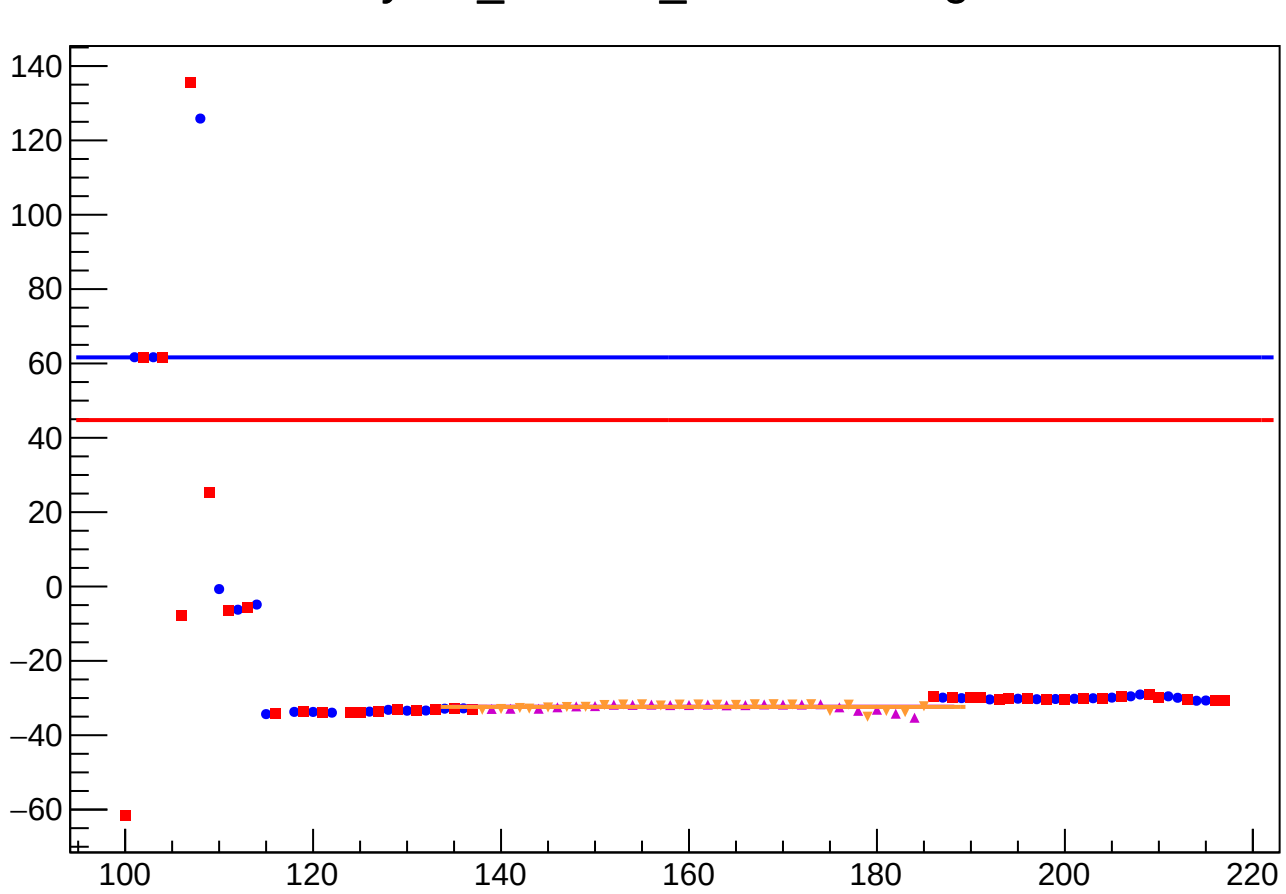
Right Out: 0.001+/-0.000 χ^2/NDF: 34890665.6/35

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 64204182.7/55

All: 0.002+/-0.000 χ^2/NDF: 129235247.0/114

- sign 0.002+/-0.000 χ^2/NDF: 65030846.0/58



Right In: 61.636+/-0.000 χ^2/NDF: 1175156863998.9/30

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.766+/-0.000 χ^2/NDF: 366649164501533.1/35

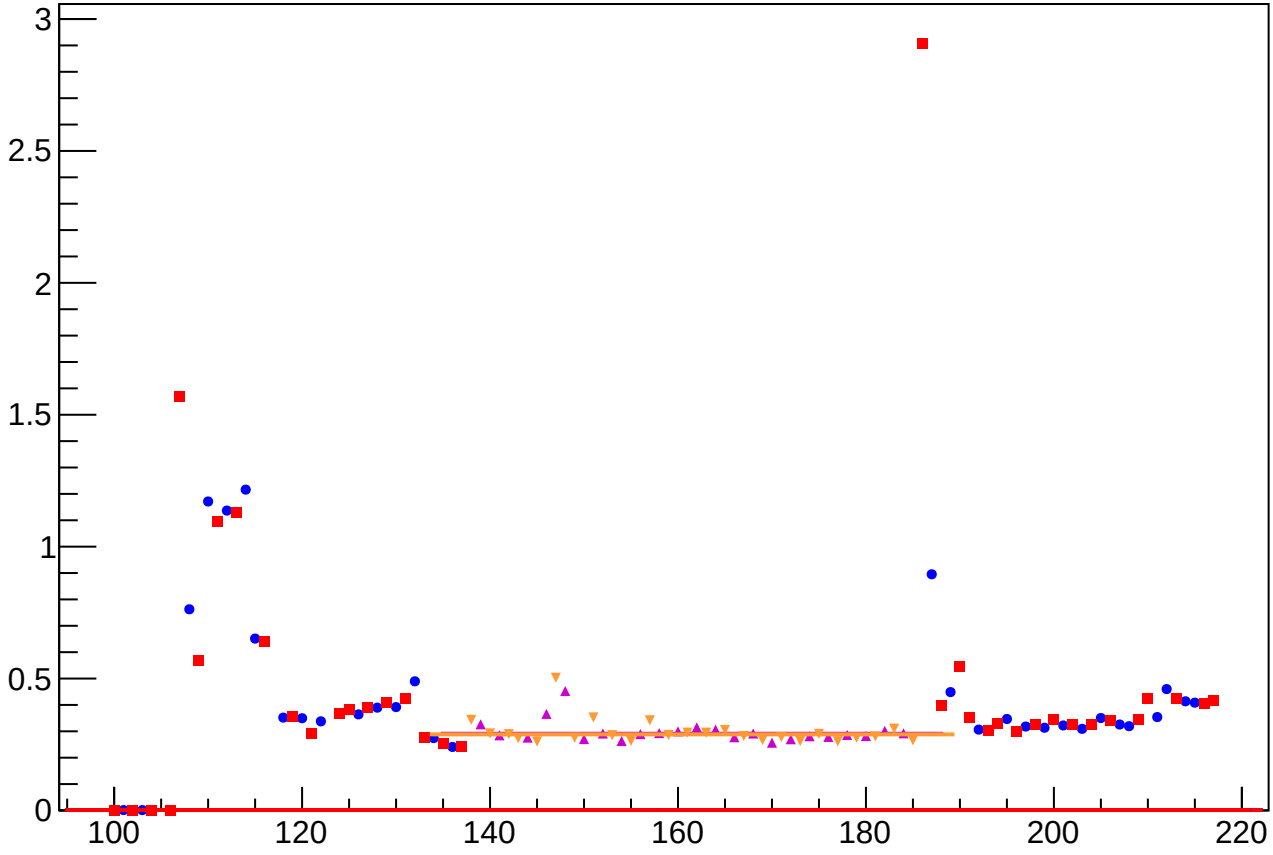
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.574+/-0.000 χ^2/NDF: 3132206527799.7/5

All: 52.616+/-0.000 χ^2/NDF: 421994497727

- sign 44.725+/-0.000 χ^2/NDF: 367876365716608.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 33962994.8/30

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 35740436.4/35

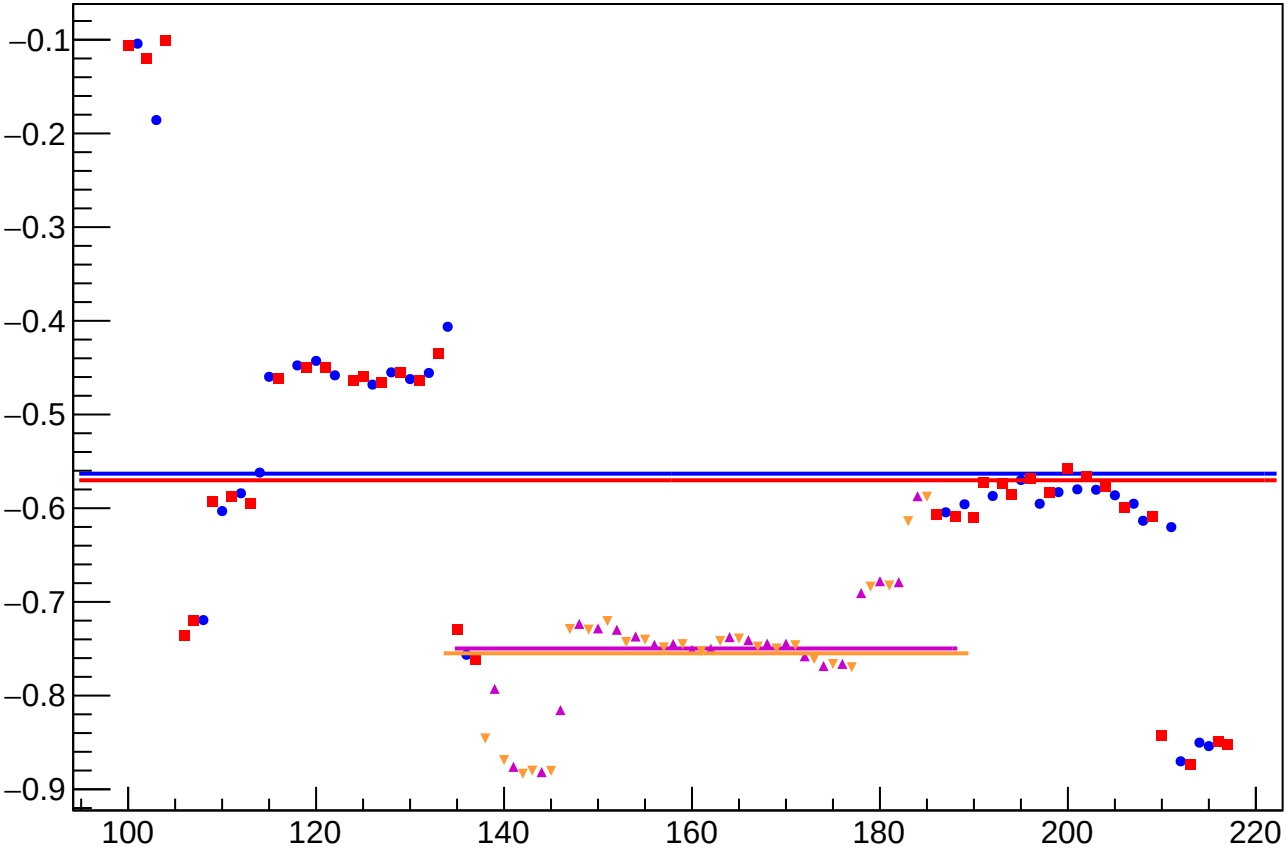
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 70901672.5/55

All: 0.002+/-0.000 χ^2/NDF: 141529095.2/114

- sign 0.002+/-0.000 χ^2/NDF: 70627273.2/58

yield_bpm4aX_mean vs Slug



Right In: -0.563+/-0.000 χ^2/NDF: 385547270.8/30

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.570+/-0.000 χ^2/NDF: 322702971.0/35

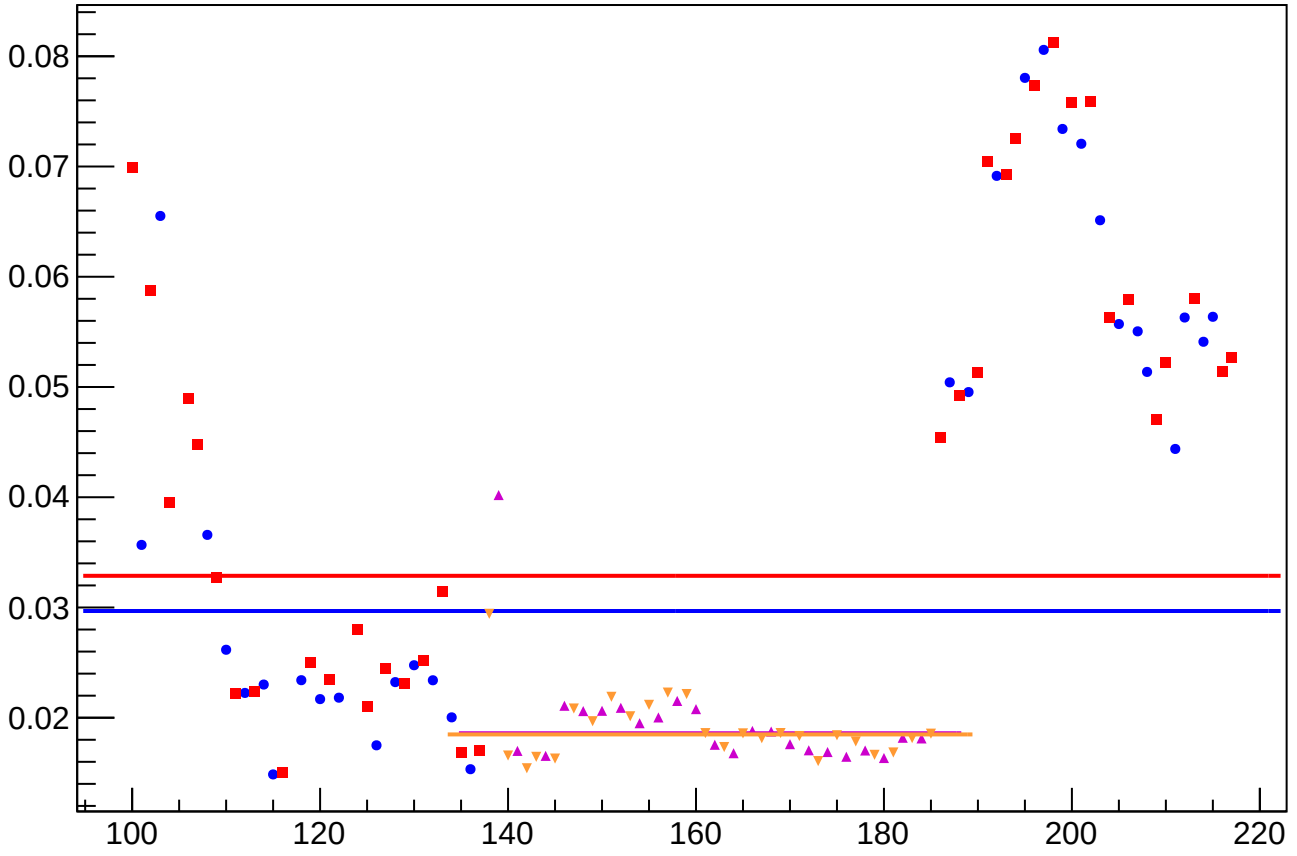
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.708+/-0.000 χ^2/NDF: 1012783490.7/55

All: -0.707+/-0.000 χ^2/NDF: 1809986076.0/1

- sign -0.706+/-0.000 χ^2/NDF: 797127230.7/58

yield_bpm4aX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 8848161.2/30

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8456541.5/35

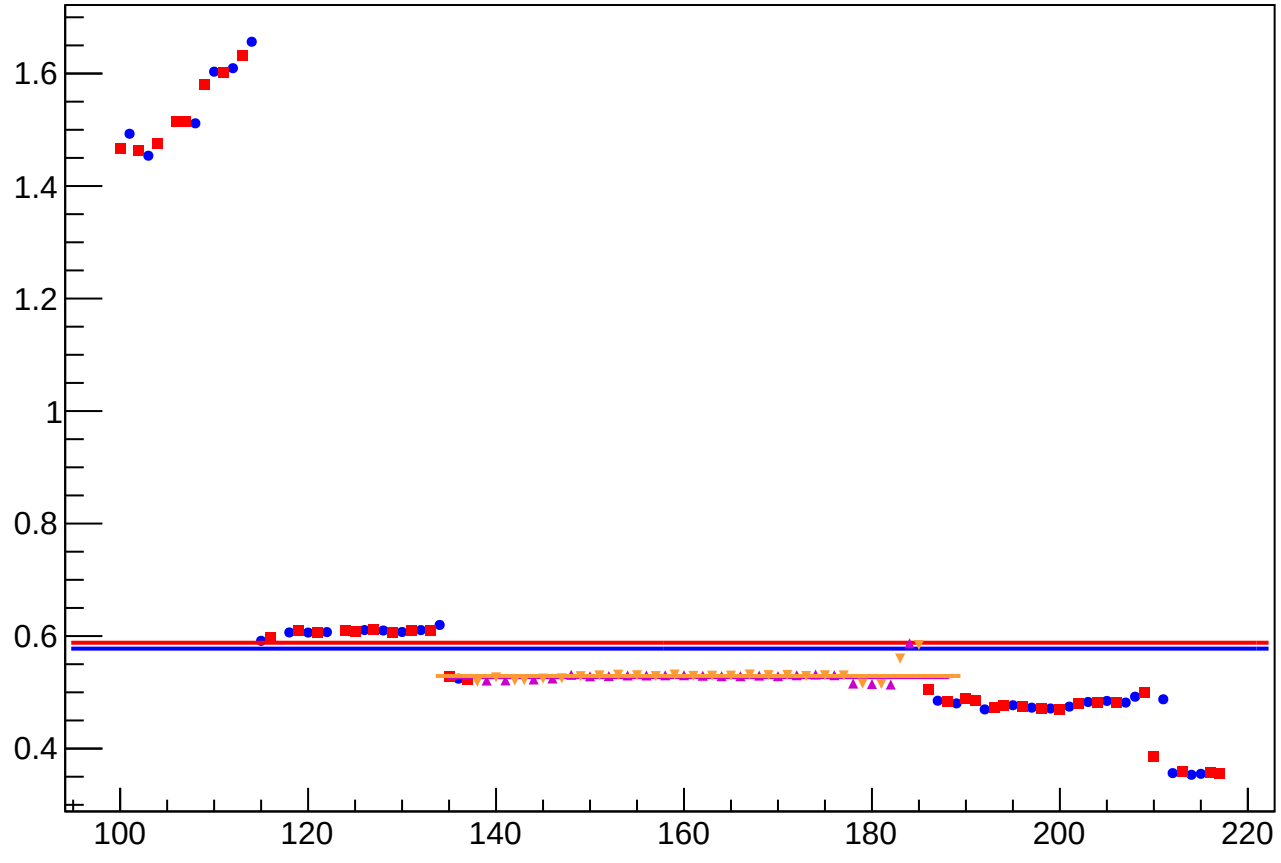
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 12167055.6/55

All: 0.022+/-0.000 χ^2/NDF: 25622695.7/114

- sign 0.022+/-0.000 χ^2/NDF: 13415721.1/58

yield_bpm4aY_mean vs Slug



Right In: 0.578+/-0.000 χ^2/NDF: 6117230734.6/30

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.588+/-0.000 χ^2/NDF: 7199080087.7/35

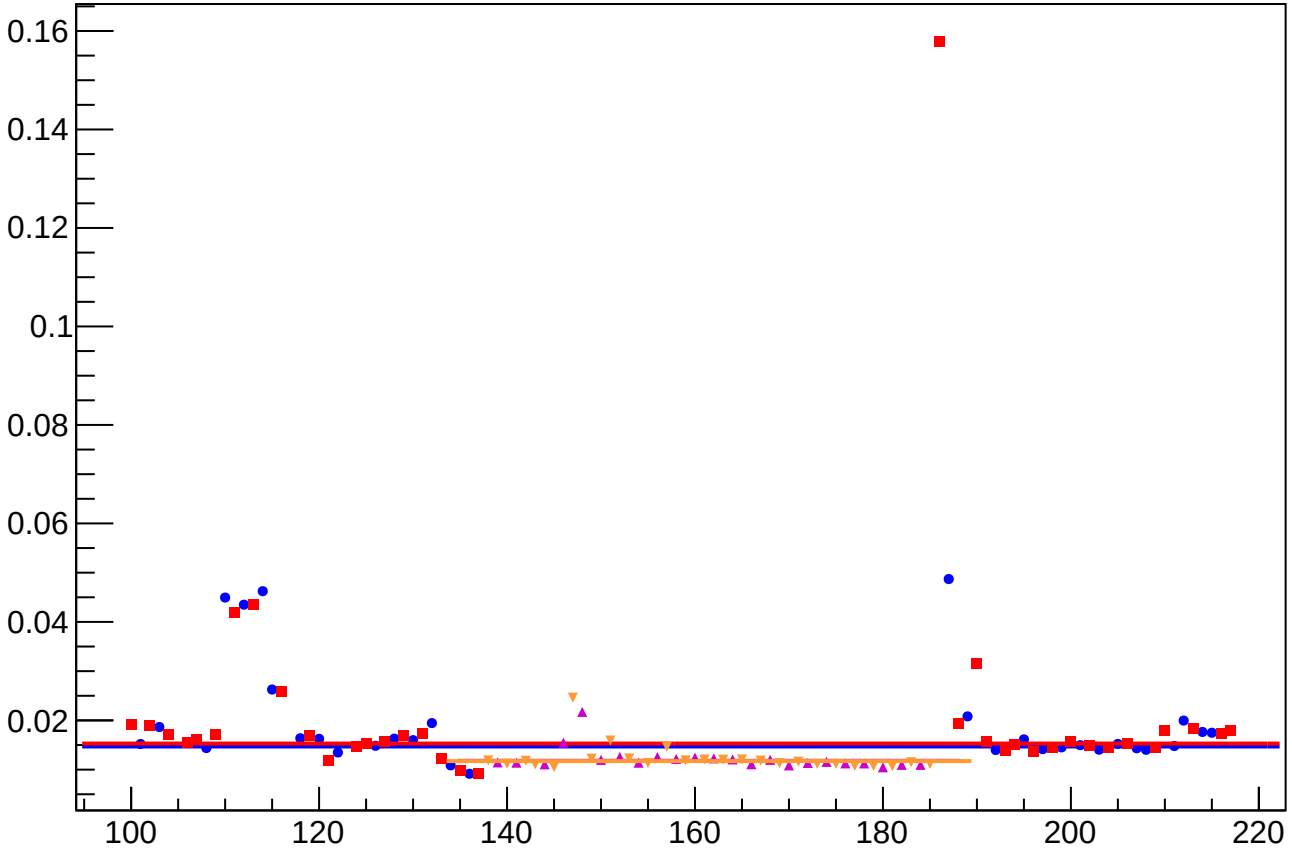
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.547+/-0.000 χ^2/NDF: 6251679547.4/55

All: 0.549+/-0.000 χ^2/NDF: 13646341793.0/1

- sign 0.550+/-0.000 χ^2/NDF: 7393524933.8/58

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2196965.2/30

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2548919.8/35

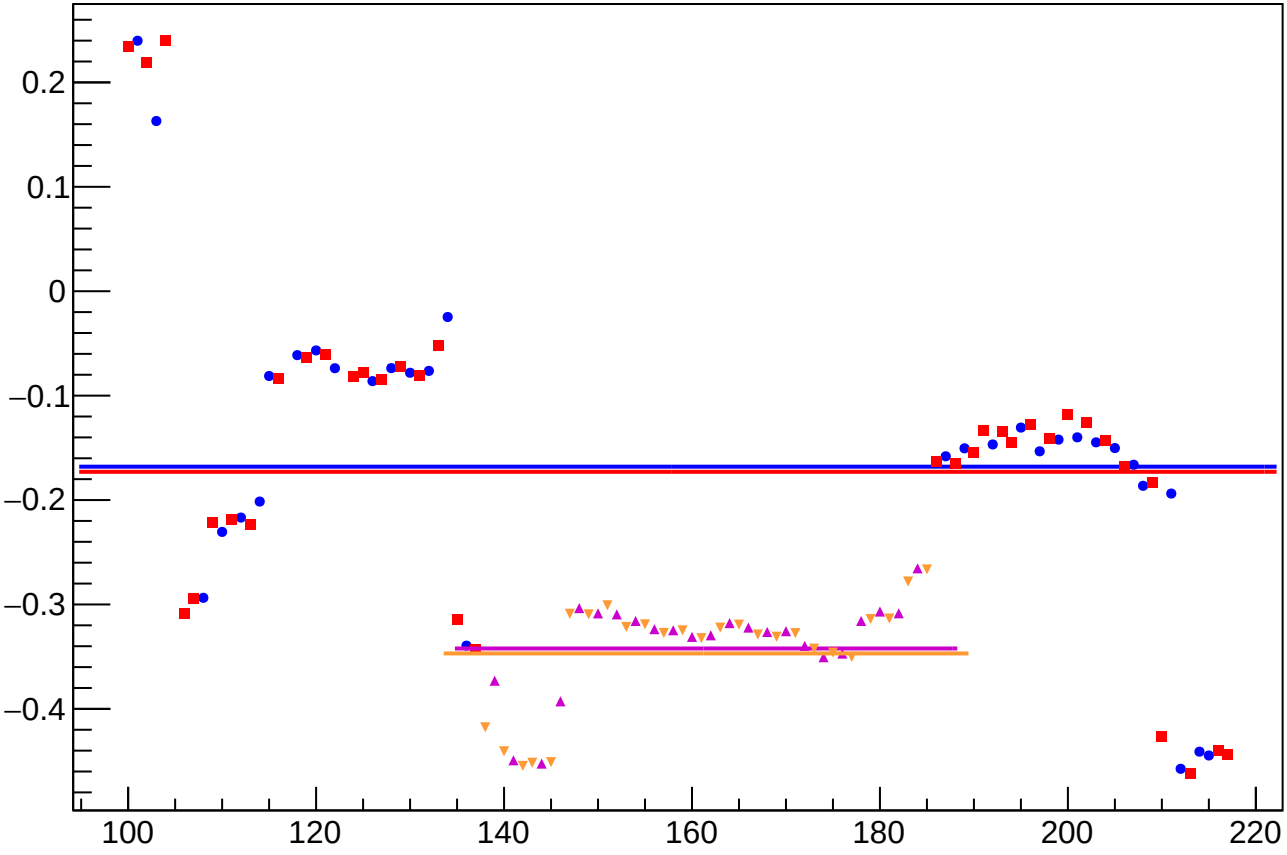
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3780187.3/55

All: 0.013+/-0.000 χ^2/NDF: 8060289.6/114

- sign 0.013+/-0.000 χ^2/NDF: 4261703.4/58

yield_bpm4eX_mean vs Slug



Right In: -0.168+/-0.000 χ^2/NDF: 357125557.0/30

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.173+/-0.000 χ^2/NDF: 305056698.3/35

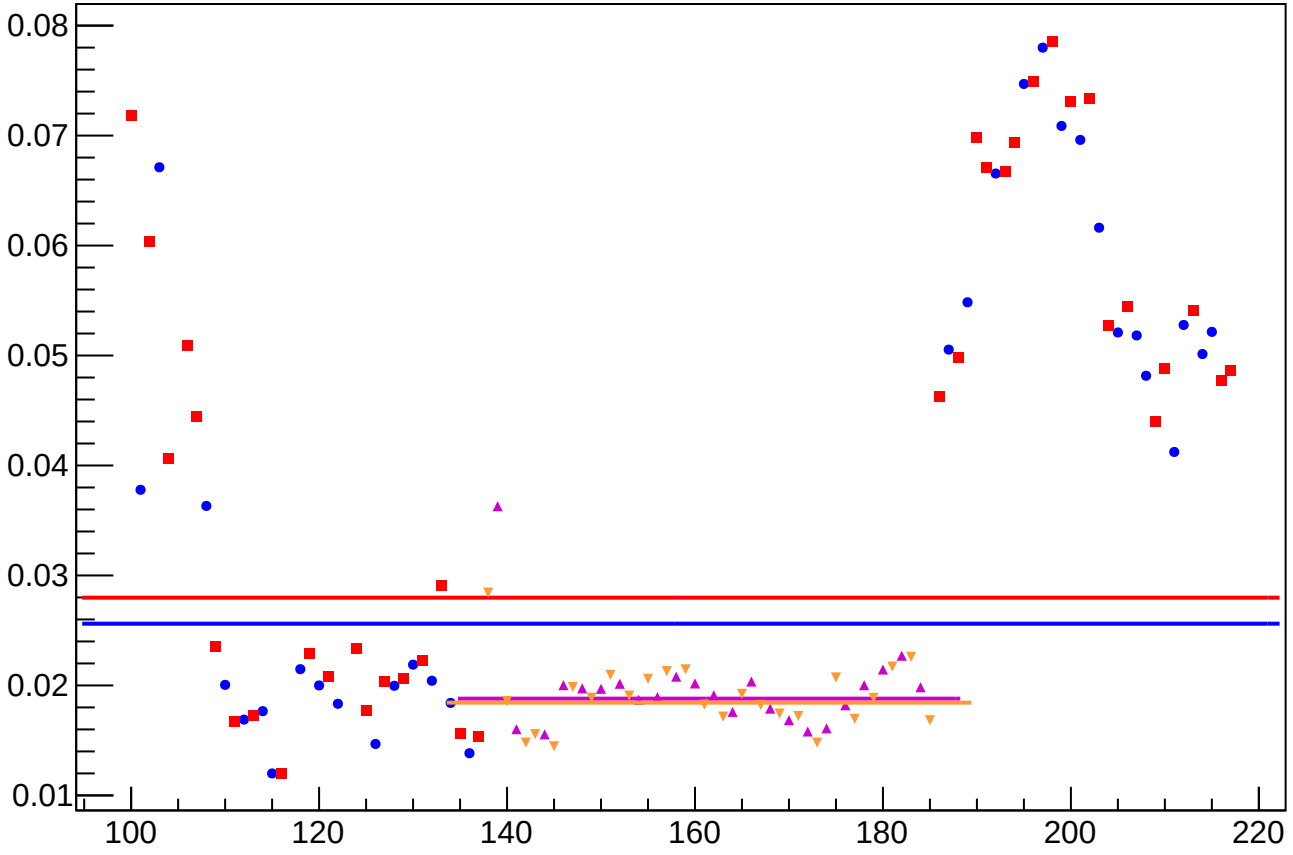
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.295+/-0.000 χ^2/NDF: 916752626.8/55

All: -0.294+/-0.000 χ^2/NDF: 1668167147.2/1

- sign -0.292+/-0.000 χ^2/NDF: 751205940.1/58

yield_bpm4eX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 10175079.6/30

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10303648.1/35

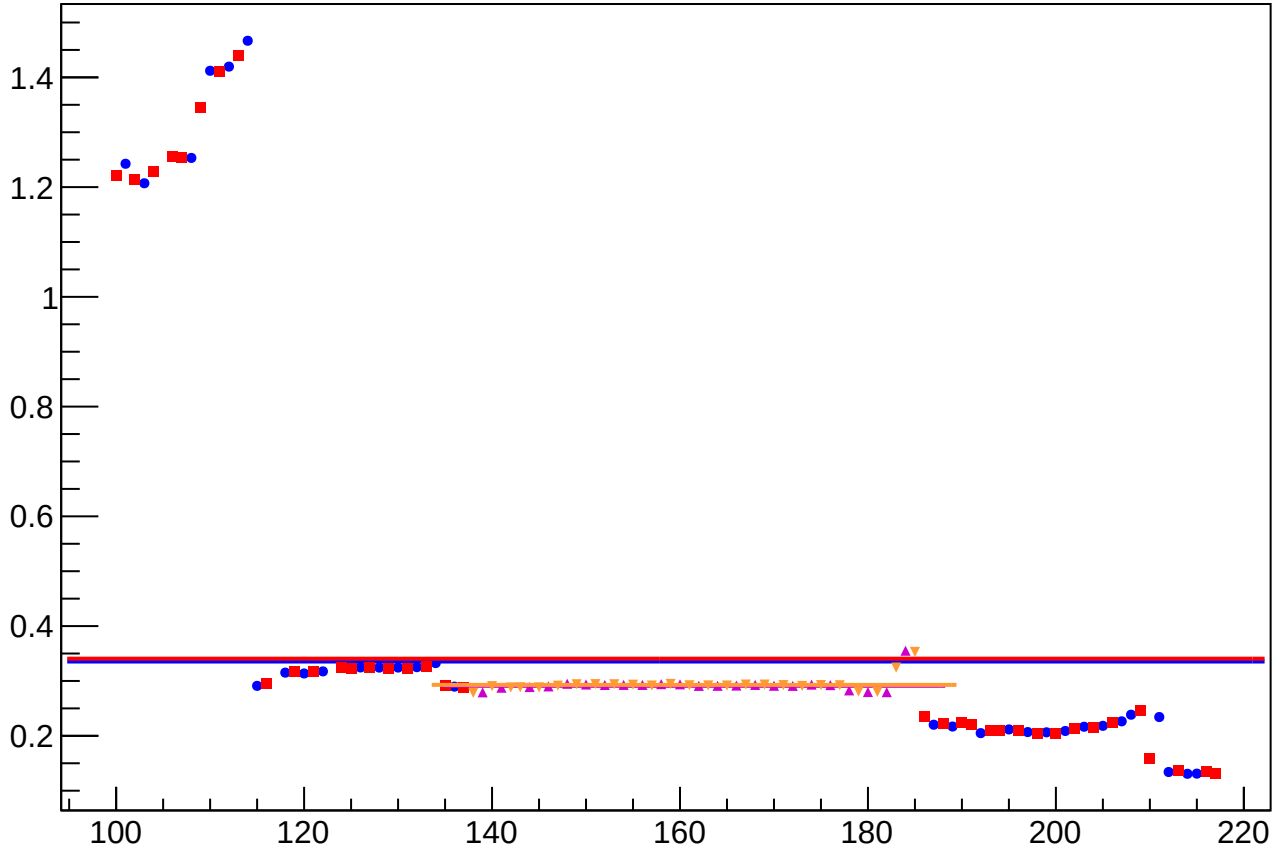
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.021+/-0.000 χ^2/NDF: 12212519.6/55

All: 0.021+/-0.000 χ^2/NDF: 25403451.4/114

- sign 0.021+/-0.000 χ^2/NDF: 13130687.9/58

yield_bpm4eY_mean vs Slug



Right In: 0.335+/-0.000 χ^2/NDF: 8779910561.5/30

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.341+/-0.000 χ^2/NDF: 9811949781.6/35

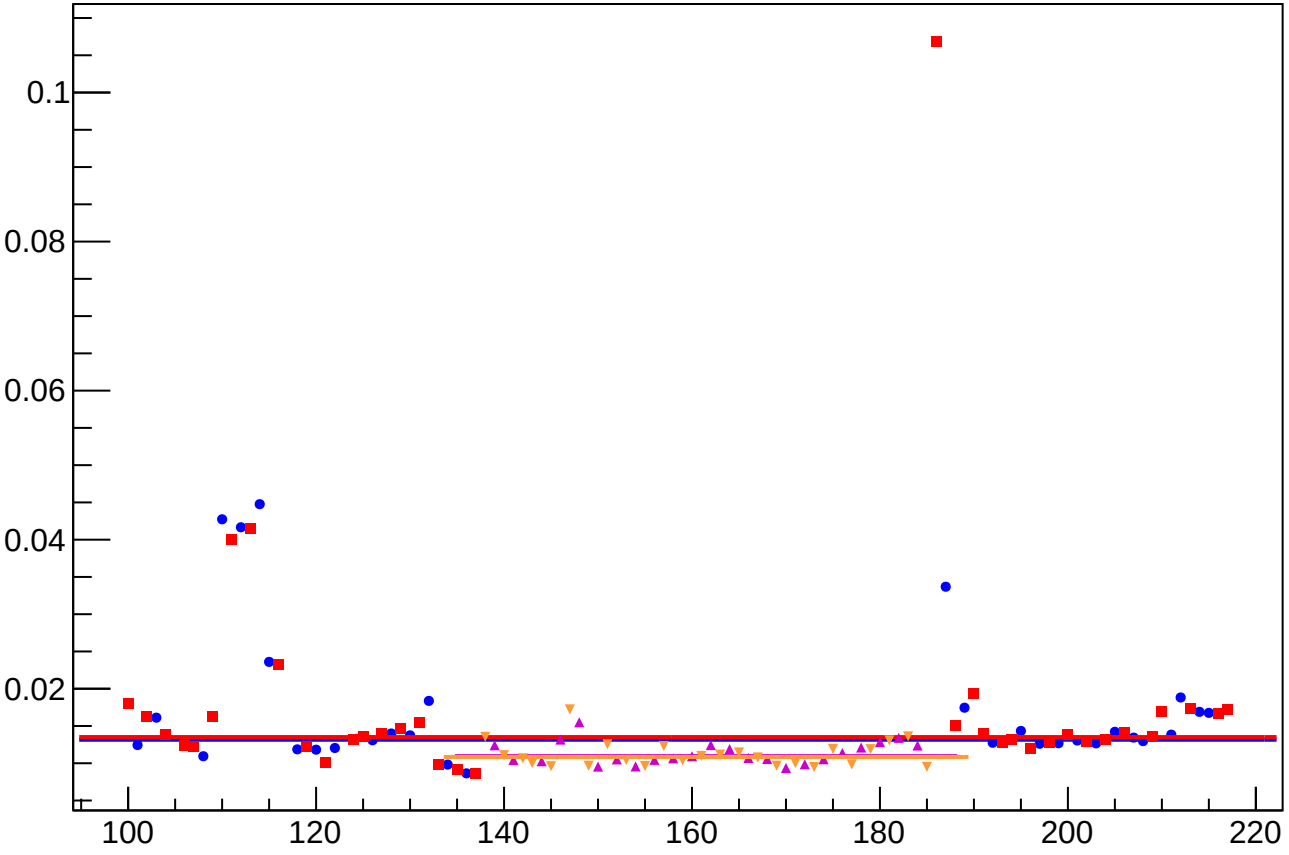
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.309+/-0.000 χ^2/NDF: 8907251826.5/55

All: 0.310+/-0.000 χ^2/NDF: 18874464614.7/1

- sign 0.311+/-0.000 χ^2/NDF: 9966739347.9/58

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2144803.2/30

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2503028.9/35

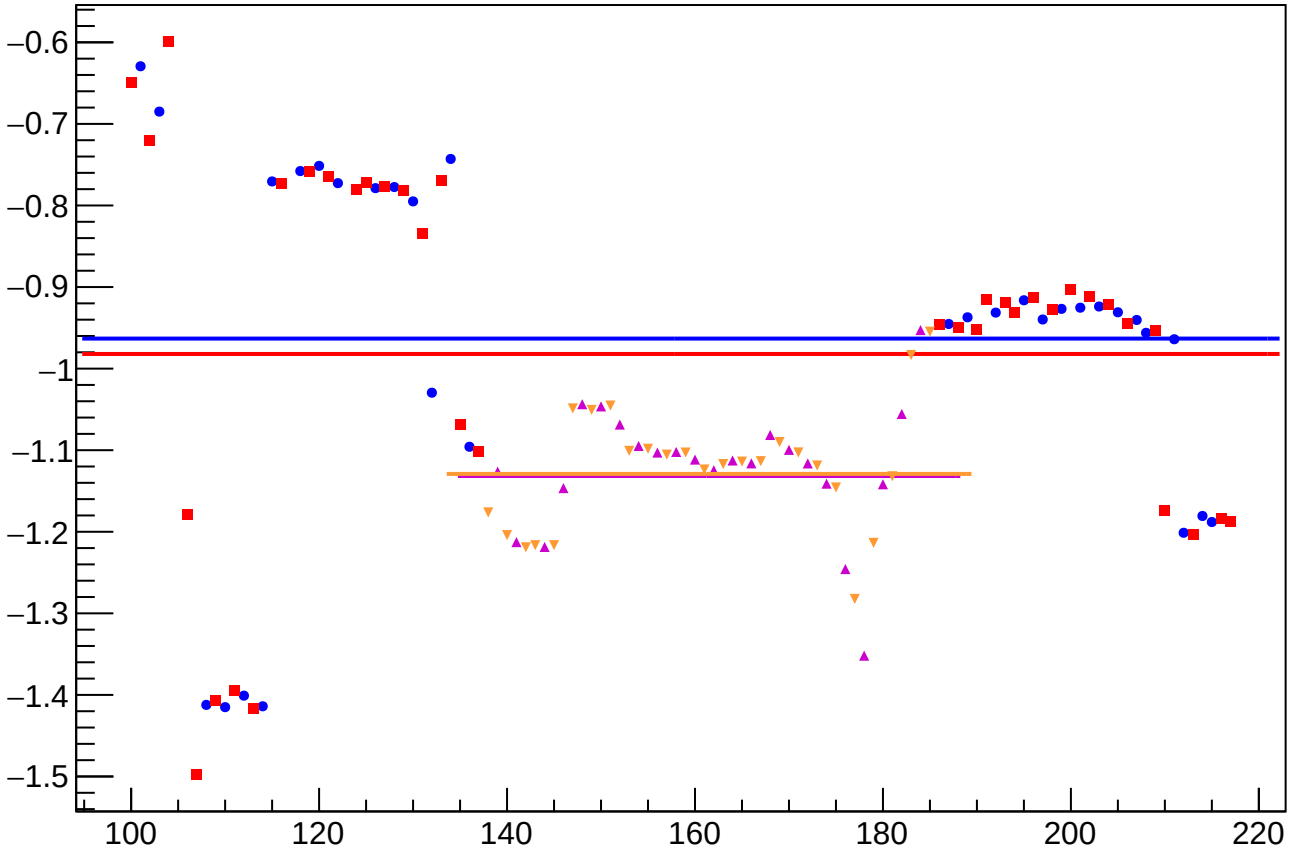
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3447805.6/55

All: 0.012+/-0.000 χ^2/NDF: 7253909.0/114

- sign 0.012+/-0.000 χ^2/NDF: 3789608.4/58

yield_bpm4acX_mean vs Slug



Right In: -0.963+/-0.000 χ^2/NDF: 747777300.4/30

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.982+/-0.000 χ^2/NDF: 773320600.8/35

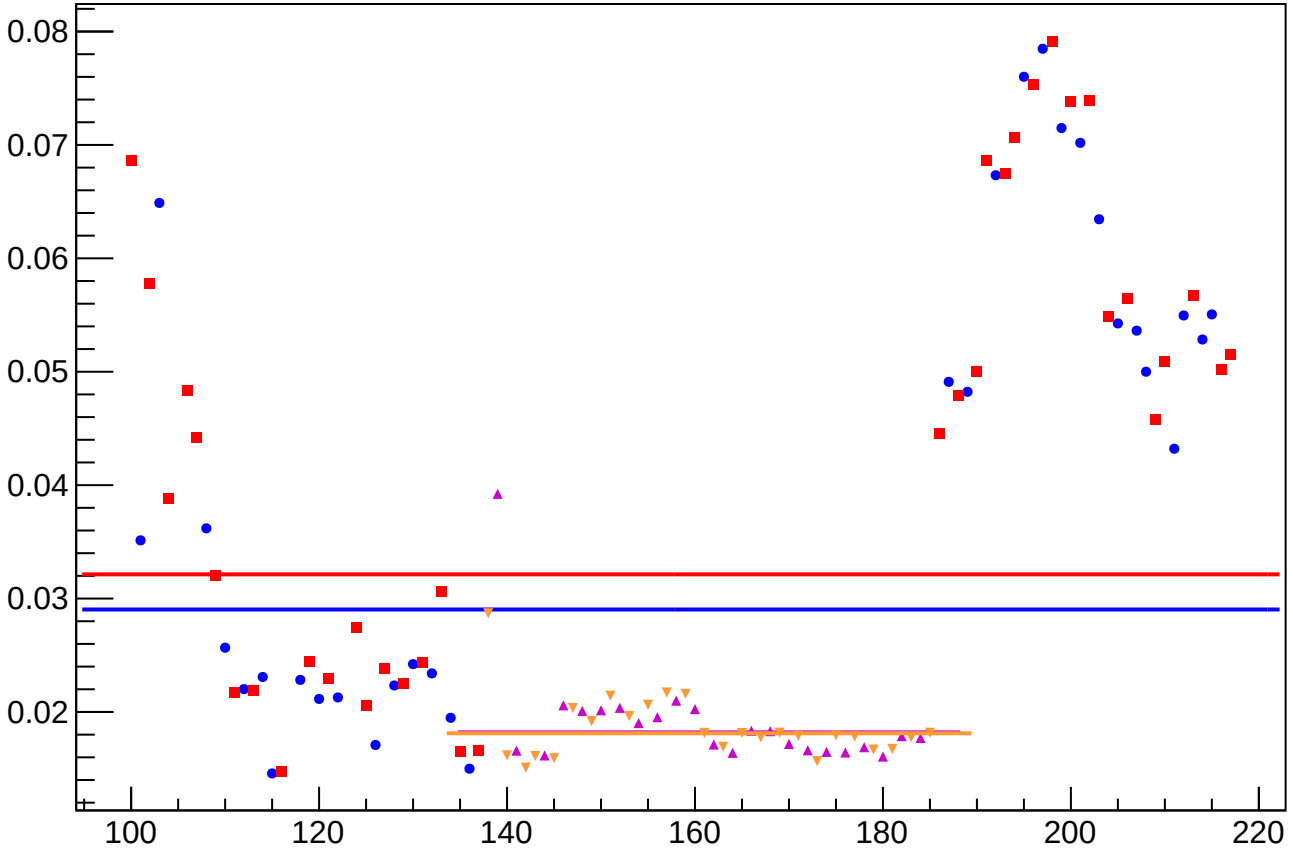
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.088+/-0.000 χ^2/NDF: 1310301050.9/55

All: -1.091+/-0.000 χ^2/NDF: 2587548500.9/1

- sign -1.095+/-0.000 χ^2/NDF: 1275695018.2/58

yield_bpm4acX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 8818438.4/30

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.032+/-0.000 χ^2/NDF: 8427727.0/35

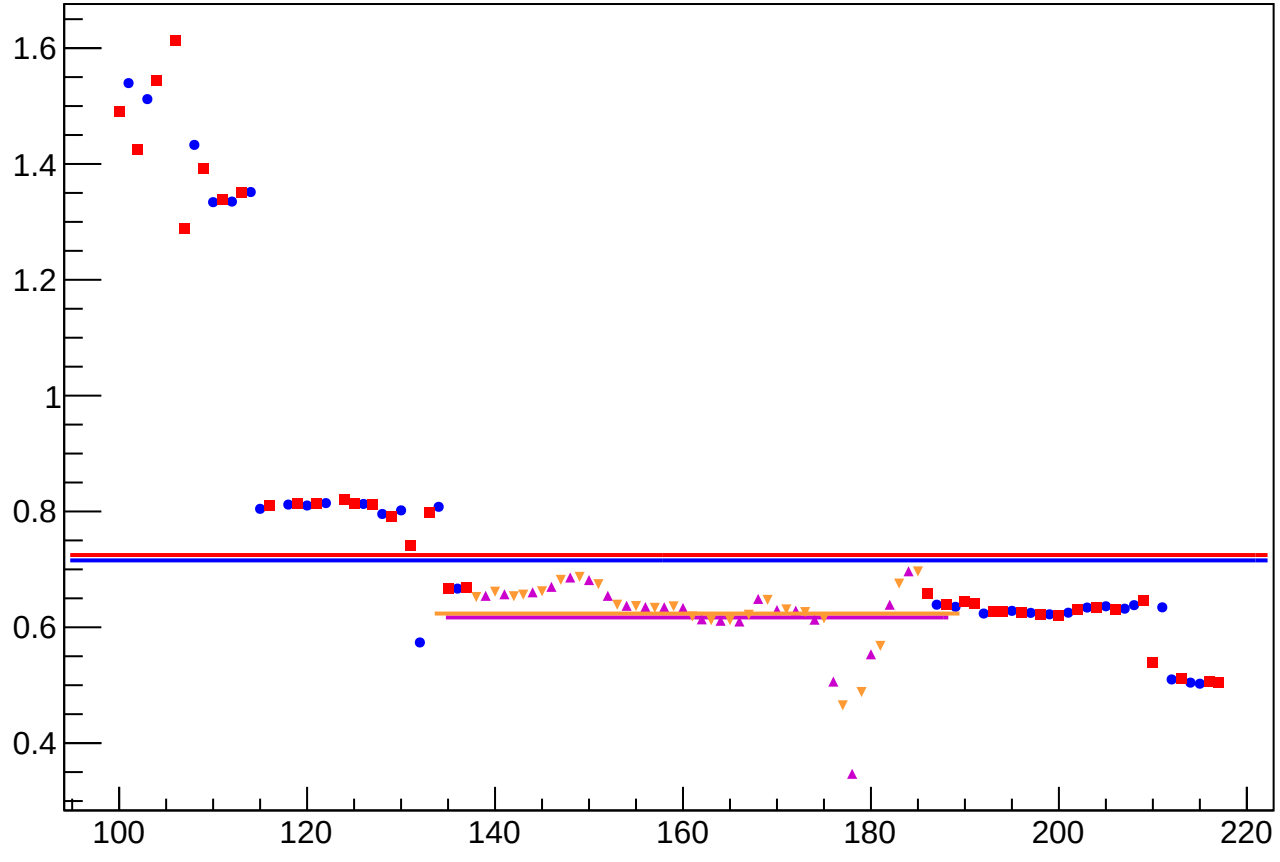
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 12099610.3/55

All: 0.021+/-0.000 χ^2/NDF: 25490596.4/114

- sign 0.022+/-0.000 χ^2/NDF: 13354180.2/58

yield_bpm4acY_mean vs Slug



Right In: 0.716+/-0.000 χ^2/NDF: 4284786289.6/30

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.725+/-0.000 χ^2/NDF: 4747380286.7/35

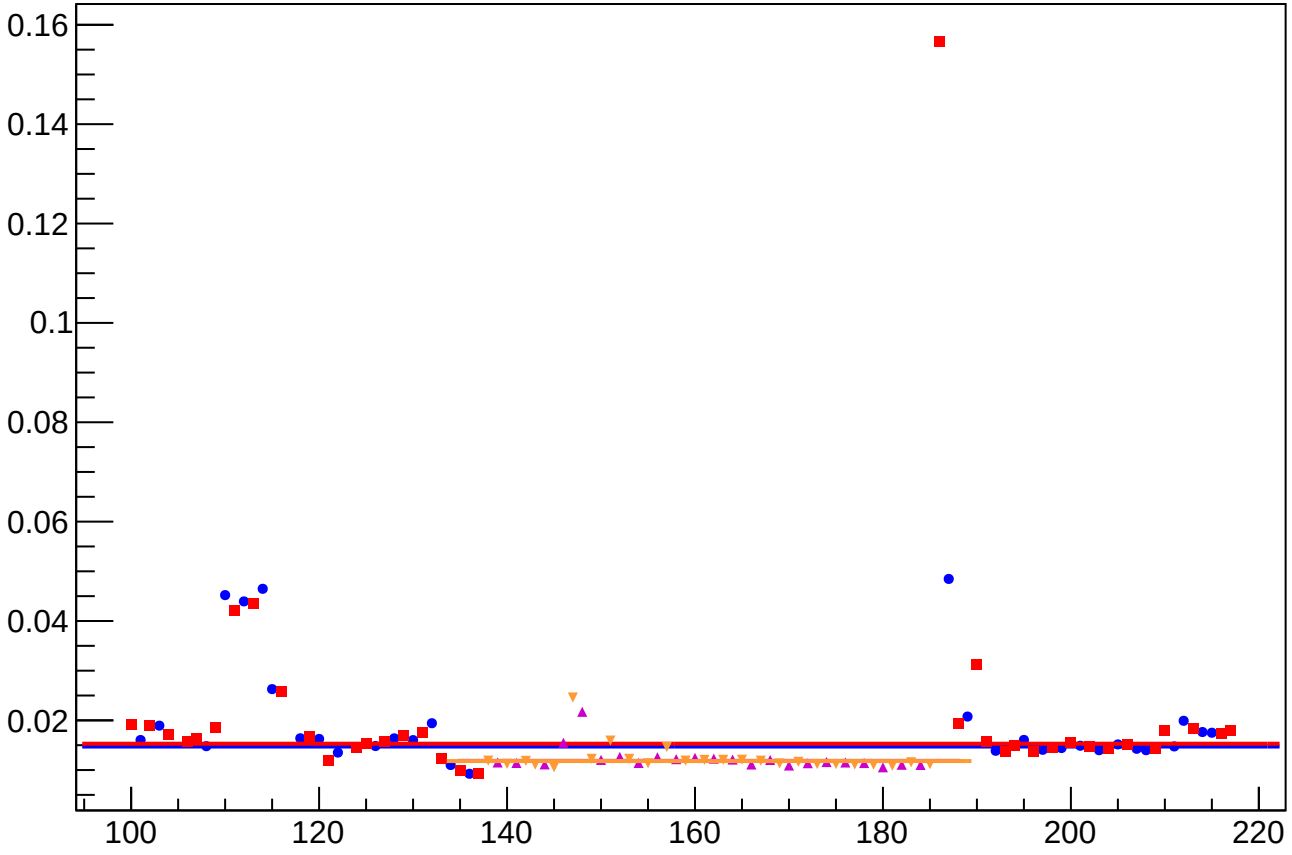
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.658+/-0.000 χ^2/NDF: 5103474096.1/55

All: 0.658+/-0.000 χ^2/NDF: 11056425404.4/1

- sign 0.659+/-0.000 χ^2/NDF: 5952927705.8/58

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2175517.1/30

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2554518.6/35

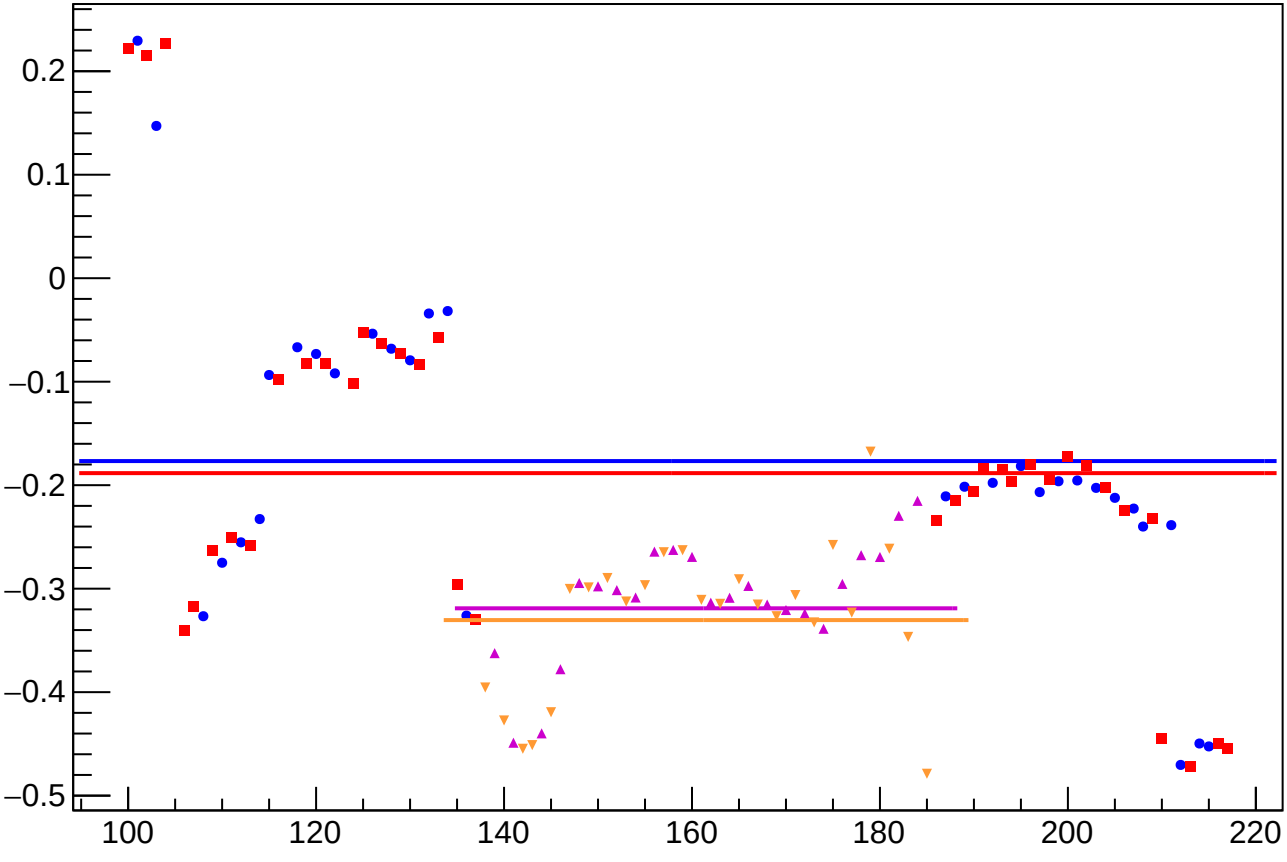
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3699729.3/55

All: 0.013+/-0.000 χ^2/NDF: 7930065.5/114

- sign 0.013+/-0.000 χ^2/NDF: 4214709.4/58

yield_bpm4ecX_mean vs Slug



Right In: -0.177+/-0.000 χ^2/NDF: 361355708.7/30

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.188+/-0.000 χ^2/NDF: 301120390.3/35

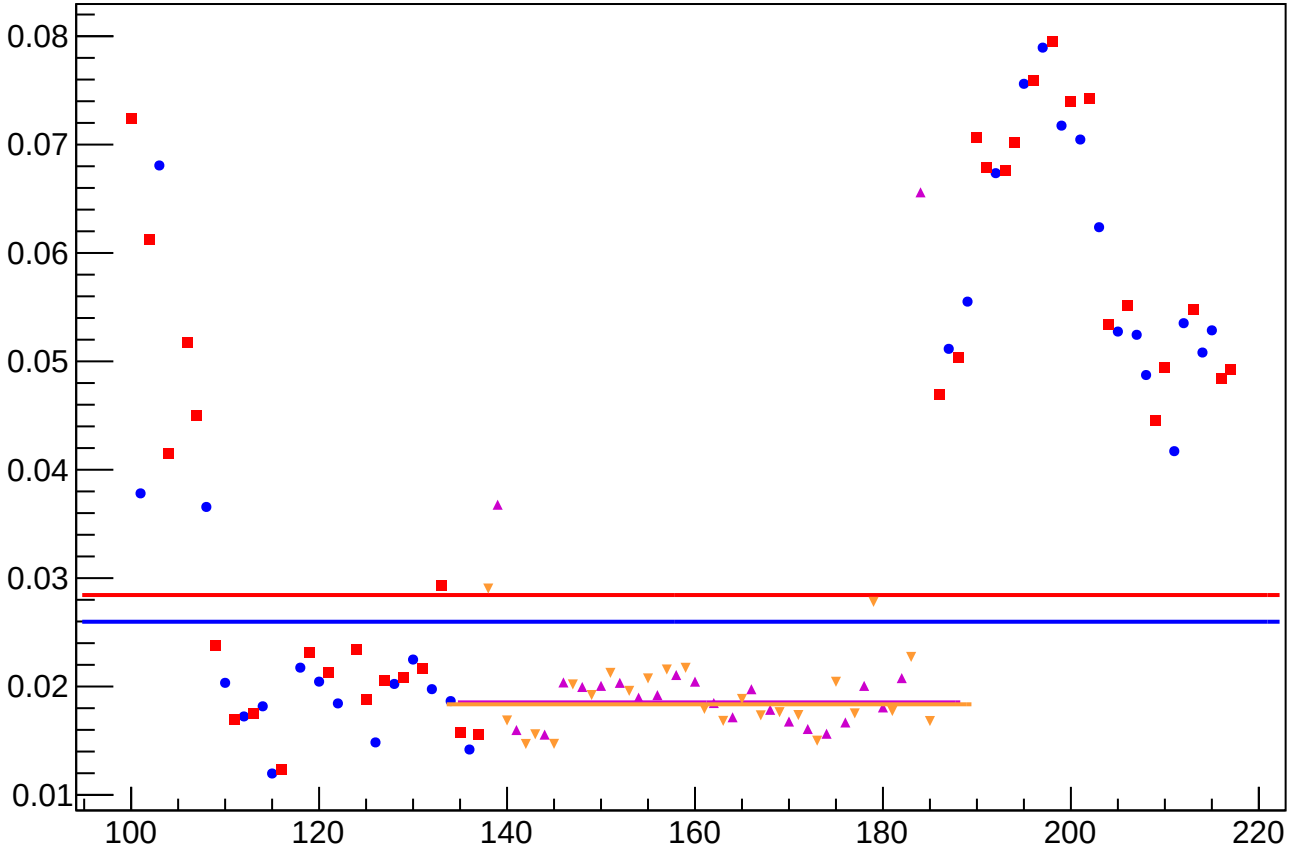
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.286+/-0.000 χ^2/NDF: 856135908.2/55

All: -0.284+/-0.000 χ^2/NDF: 1496968565.0/1

- sign -0.281+/-0.000 χ^2/NDF: 640191153.1/58

yield_bpm4ecX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 10133786.1/30

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10239571.4/35

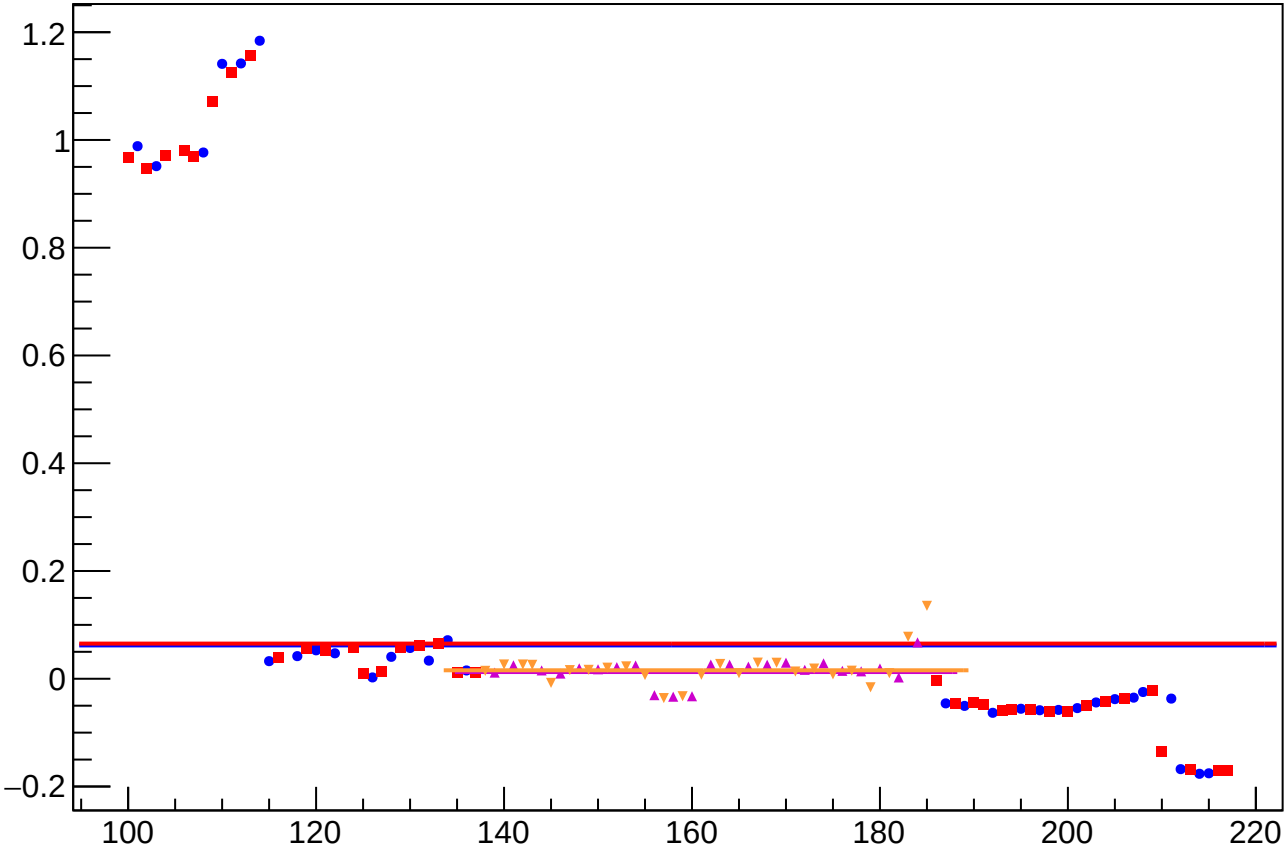
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.021+/-0.000 χ^2/NDF: 12405038.4/55

All: 0.021+/-0.000 χ^2/NDF: 26017437.7/114

- sign 0.021+/-0.000 χ^2/NDF: 13570028.0/58

yield_bpm4ecY_mean vs Slug



Right In: 0.062+/-0.000 χ^2/NDF: 8976726969.8/30

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.065+/-0.000 χ^2/NDF: 9844202325.5/35

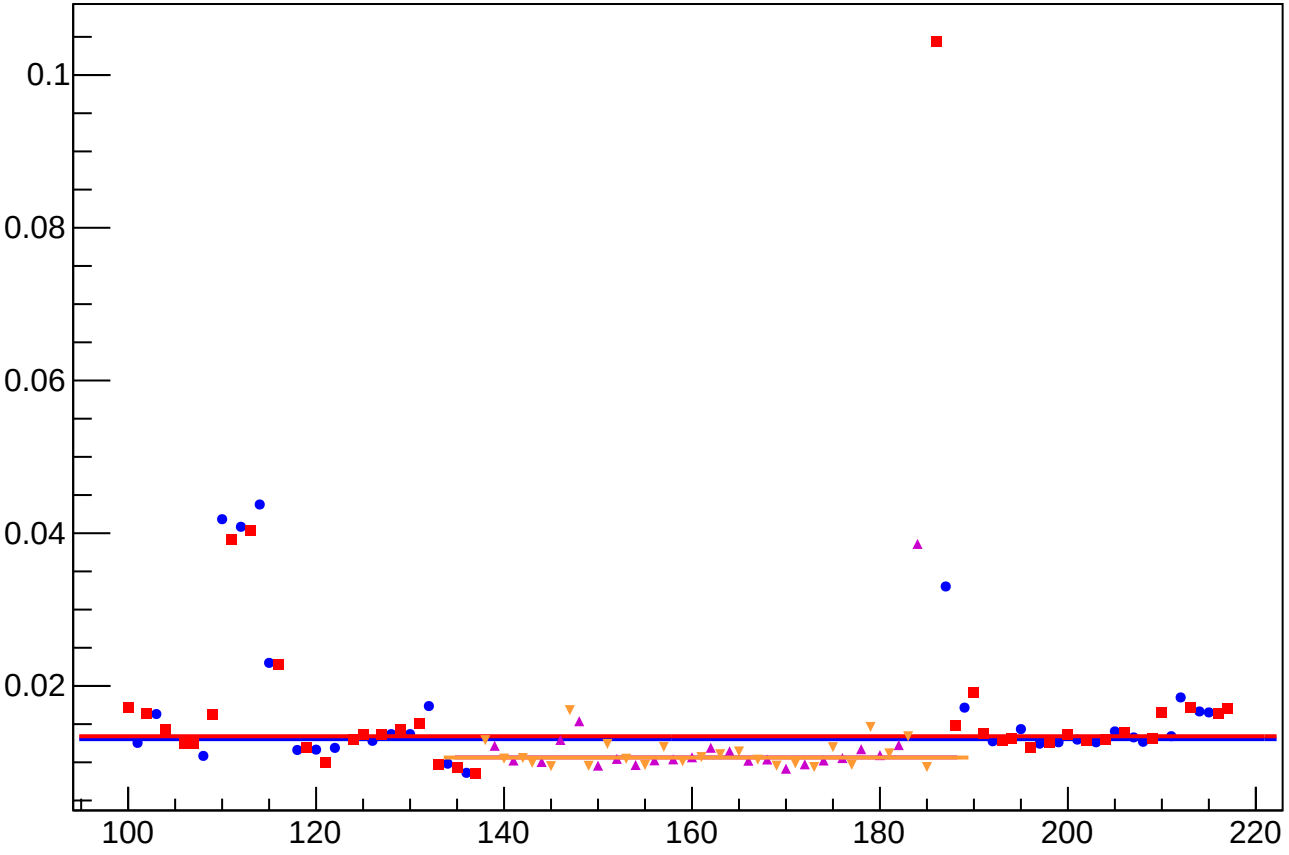
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.034+/-0.000 χ^2/NDF: 9212916371.4/55

All: 0.034+/-0.000 χ^2/NDF: 19284667469.3/1

- sign 0.034+/-0.000 χ^2/NDF: 10071750992.2/58

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2090794.9/30

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2424574.3/35

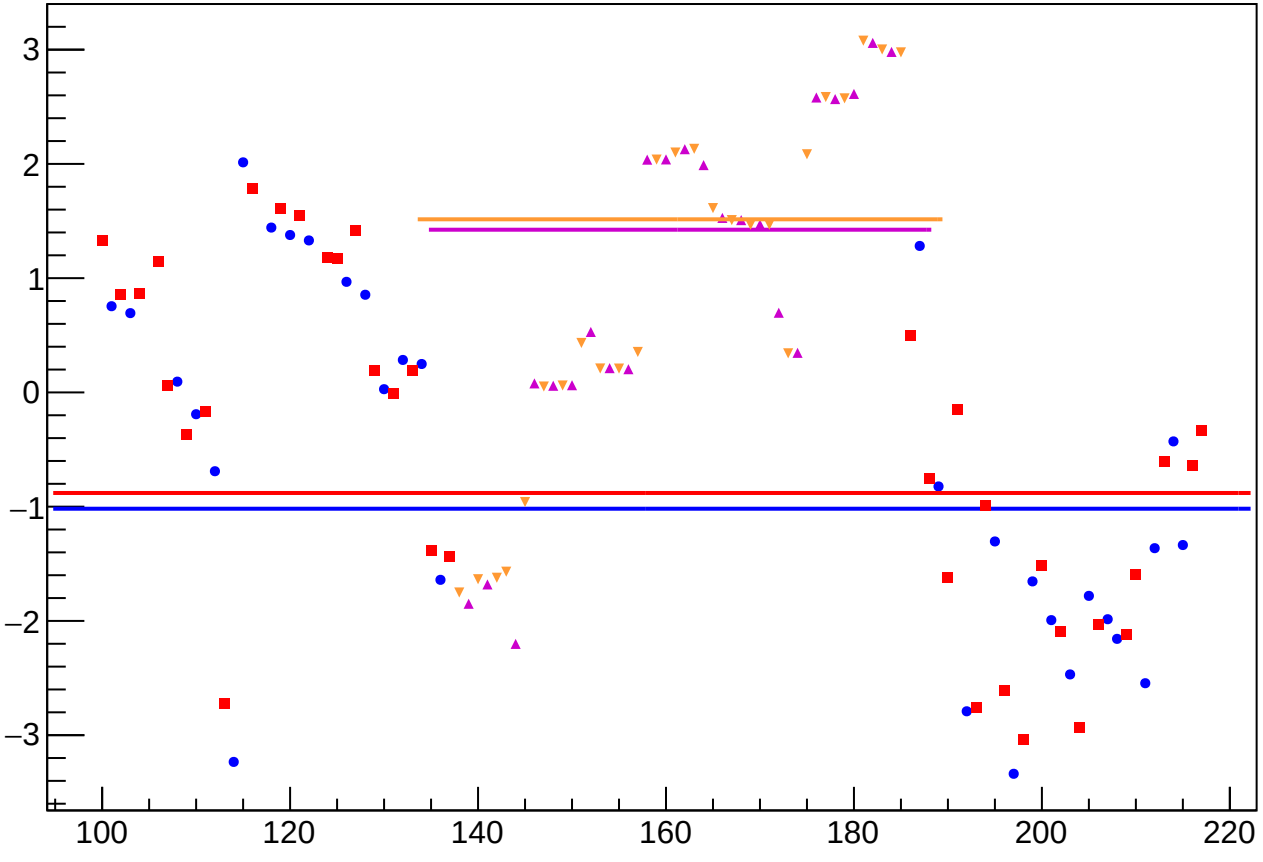
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 3432131.8/55

All: 0.012+/-0.000 χ^2/NDF: 7369910.0/114

- sign 0.012+/-0.000 χ^2/NDF: 3927929.2/58

yield_bpm1X_mean vs Slug



Right In: -1.018+/-0.000 χ^2/NDF: 9701929493.1/30

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.880+/-0.000 χ^2/NDF: 9780308858.5/35

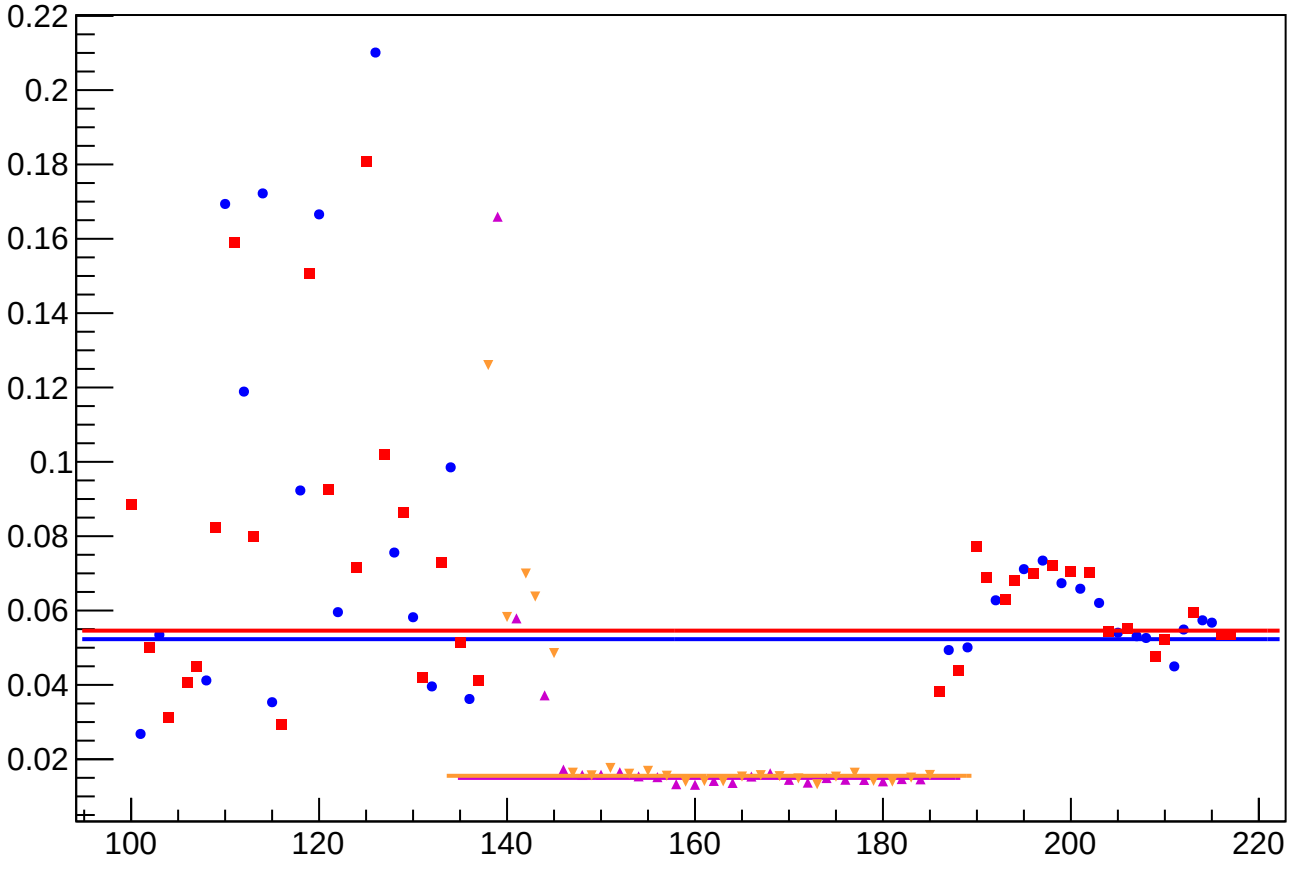
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.308+/-0.000 χ^2/NDF: 109328734194.1/55

All: 1.271+/-0.000 χ^2/NDF: 214267958319.8

- sign 1.236+/-0.000 χ^2/NDF: 104766180094.4/58

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3622277.3/30

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

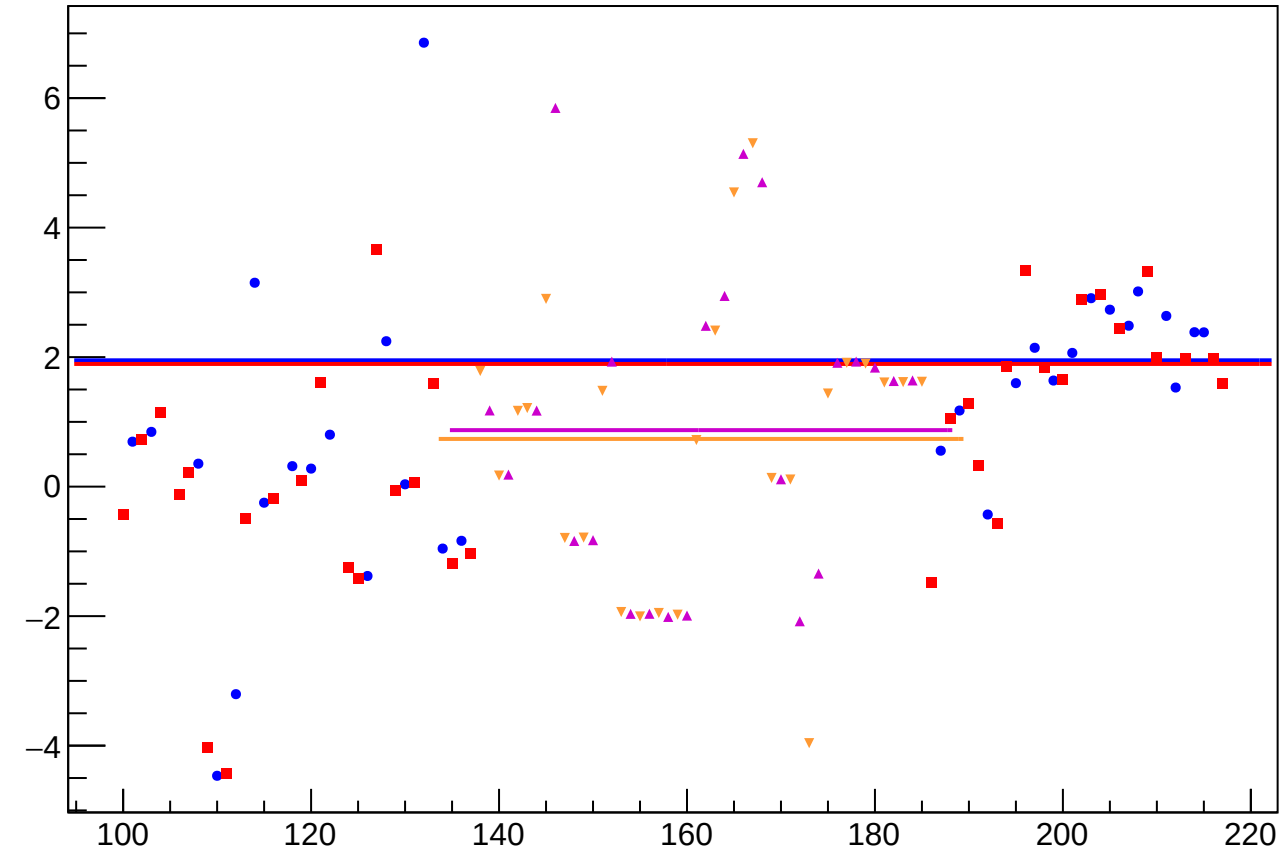
Right Out: 0.055+/-0.000 χ^2/NDF: 3197251.4/35

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.019+/-0.000 χ^2/NDF: 20010278.0/55

All: 0.018+/-0.000 χ^2/NDF: 41325380.3/114

- sign 0.018+/-0.000 χ^2/NDF: 21307287.2/58



Right In: 1.951+/-0.000 χ^2/NDF: 41567070098.4/30

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.895+/-0.000 χ^2/NDF: 44802060826.3/35

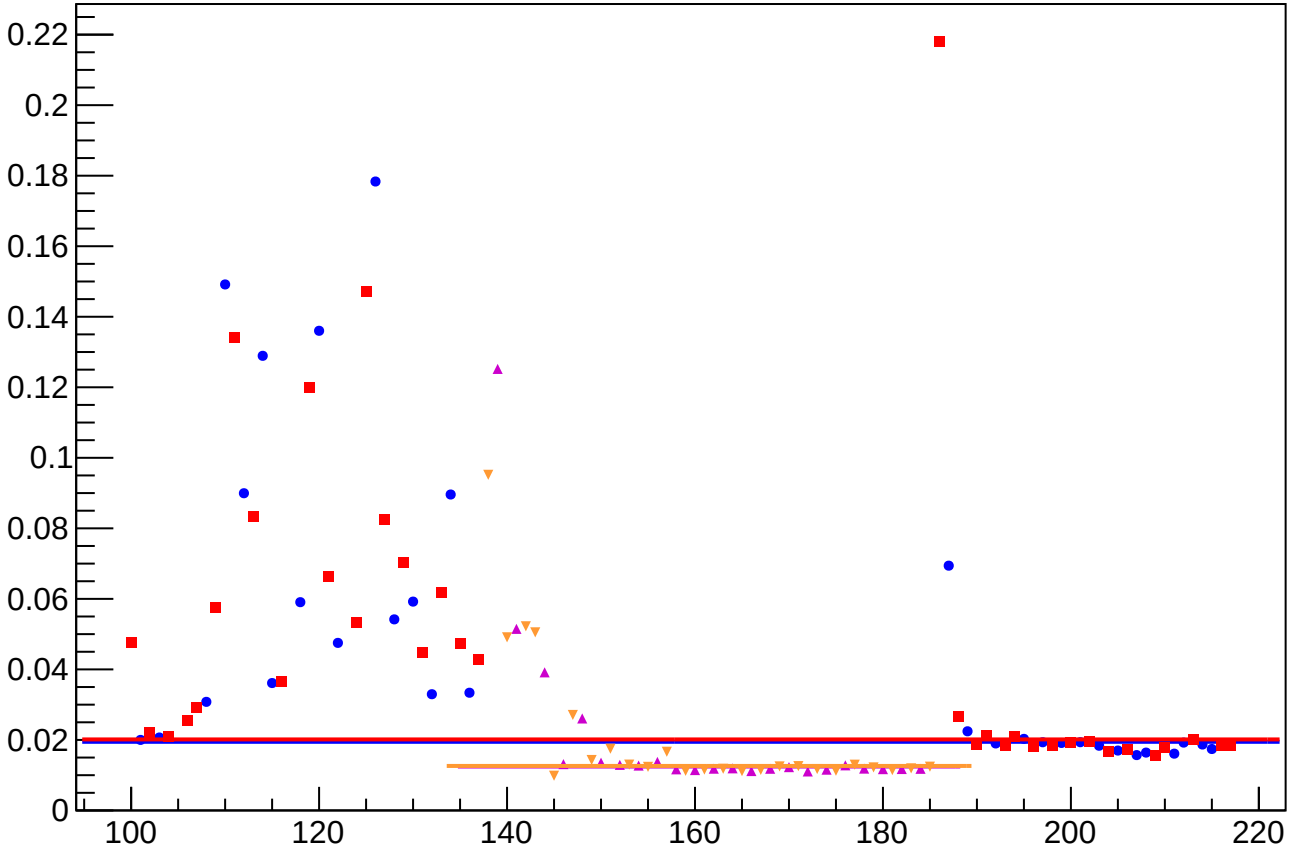
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 1.057+/-0.000 χ^2/NDF: 616081729199.6/55

All: 1.101+/-0.000 χ^2/NDF: 1309175235232.

- sign 1.145+/-0.000 χ^2/NDF: 692565658652.6/58

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 4500879.4/30

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

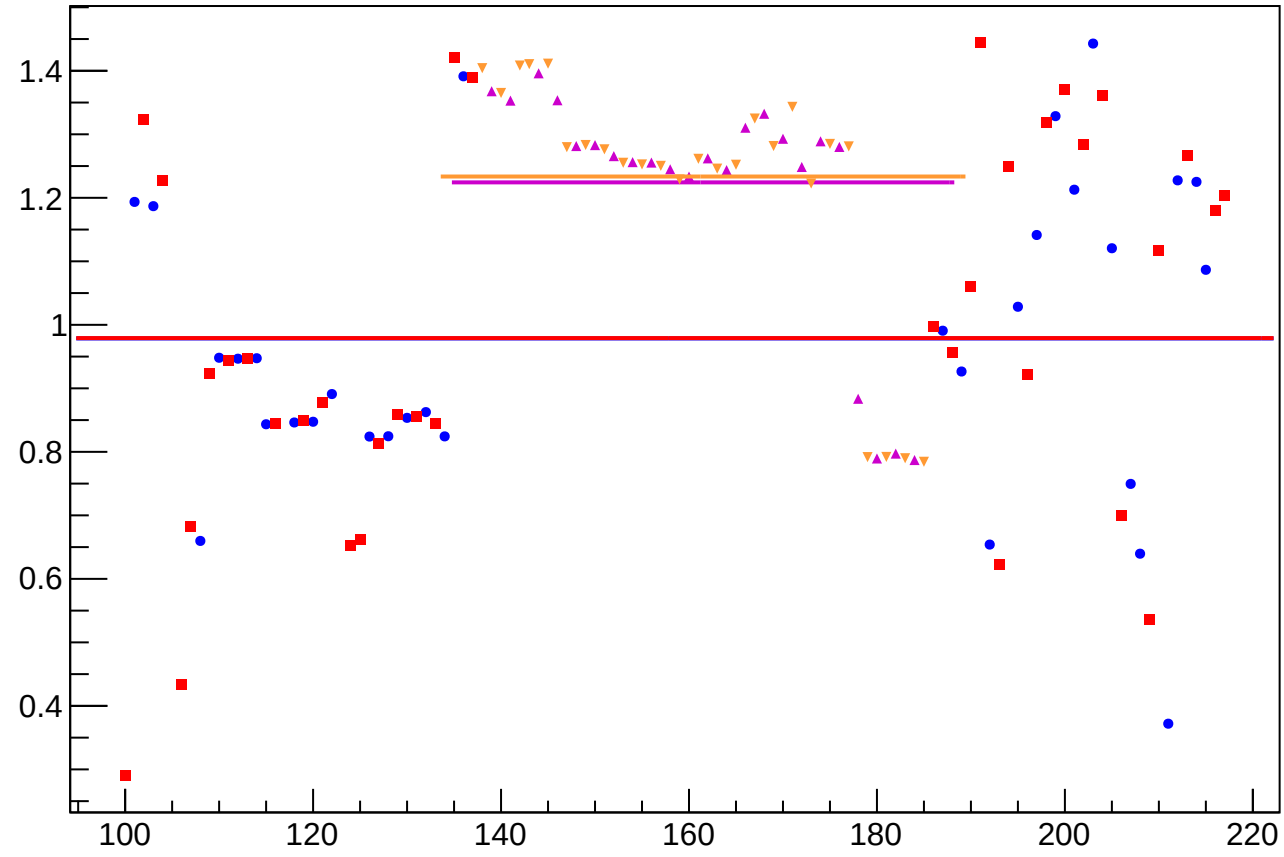
Right Out: 0.020+/-0.000 χ^2/NDF: 5556936.5/35

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 10143477.9/55

All: 0.014+/-0.000 χ^2/NDF: 21577074.8/114

- sign 0.015+/-0.000 χ^2/NDF: 11432765.7/58



Right In: 0.979+/-0.000 χ^2/NDF: 2288401534.5/30

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.979+/-0.000 χ^2/NDF: 2600548034.1/35

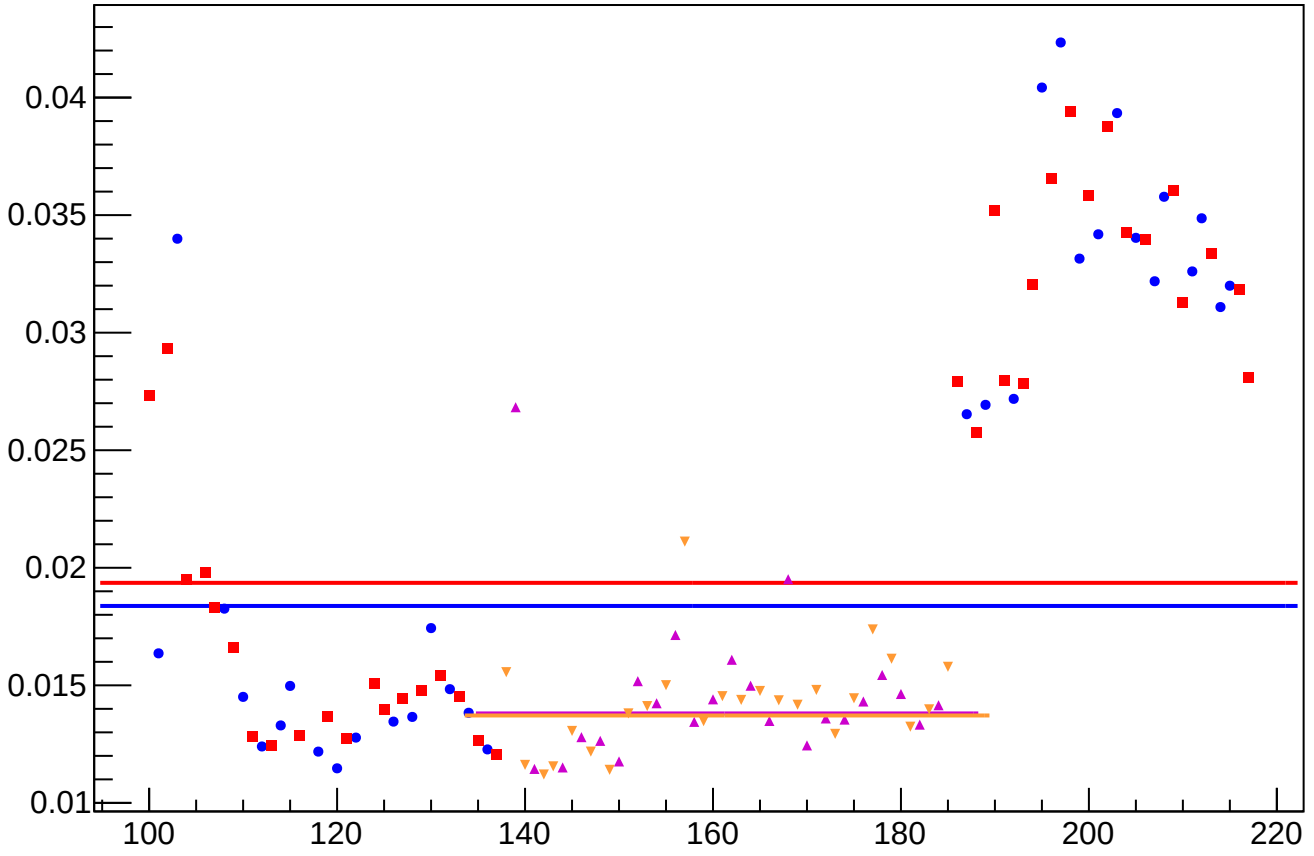
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.152+/-0.000 χ^2/NDF: 7209412753.4/55

All: 1.147+/-0.000 χ^2/NDF: 14170488236.0/1

- sign 1.143+/-0.000 χ^2/NDF: 6955800334.2/58

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 6504970.3/30

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

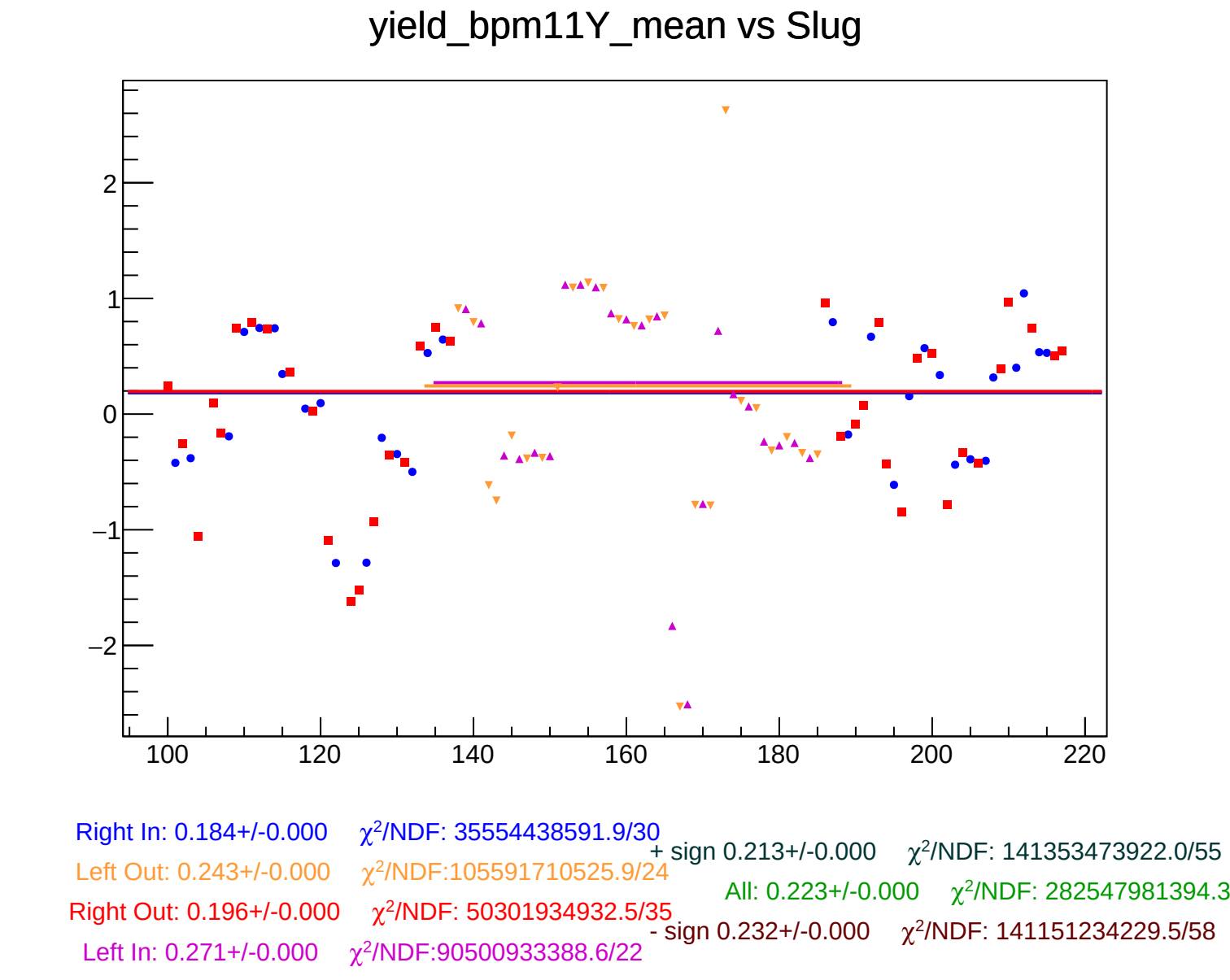
Right Out: 0.019+/-0.000 χ^2/NDF: 6100811.6/35

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

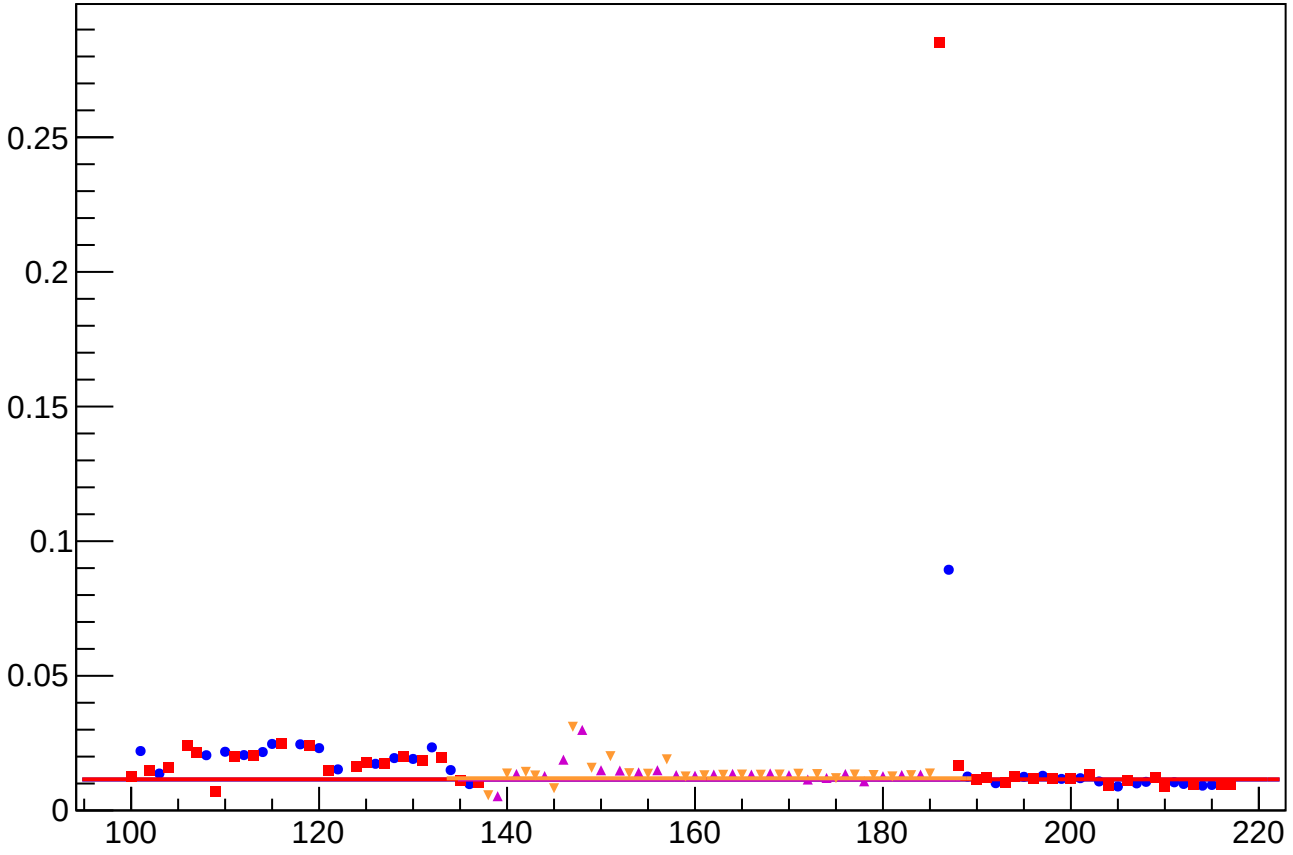
+ sign 0.015+/-0.000 χ^2/NDF: 8308765.4/55

All: 0.015+/-0.000 χ^2/NDF: 17051576.8/114

- sign 0.016+/-0.000 χ^2/NDF: 8717629.8/58


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.184+/-0.000 χ²/NDF: 35554438591.9/30
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.196+/-0.000 χ²/NDF: 50301934932.5/35
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.213+/-0.000 χ²/NDF: 141353473922.0/55
All: 0.223+/-0.000 χ²/NDF: 282547981394.3
- sign 0.232+/-0.000 χ²/NDF: 141151234229.5/58

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2843458.0/30

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3357280.6/35

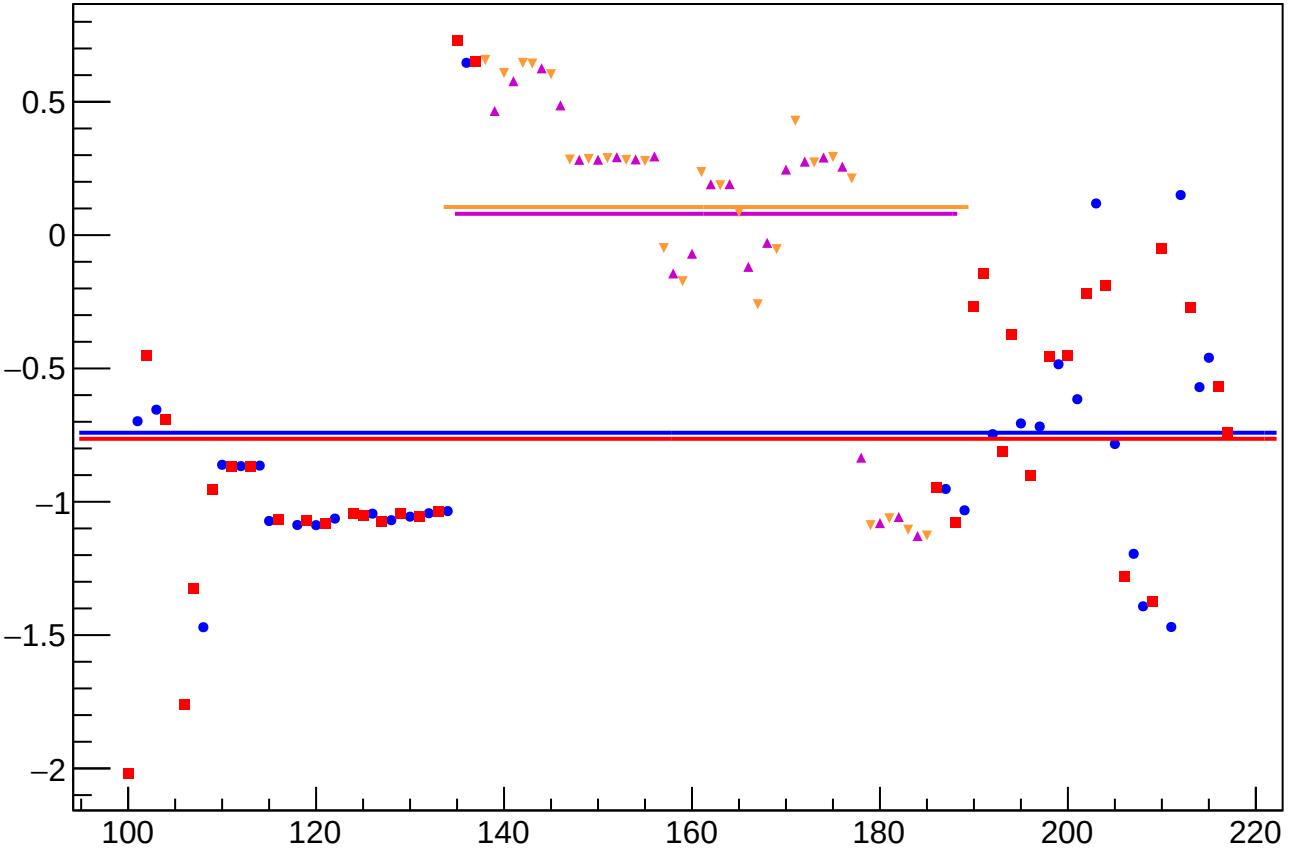
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 6136919.3/55

All: 0.012+/-0.000 χ^2/NDF: 13173748.9/114

- sign 0.012+/-0.000 χ^2/NDF: 7029060.3/58

yield_bpm12X_mean vs Slug



Right In: -0.741+/-0.000 χ^2/NDF: 2406468847.6/30

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.764+/-0.000 χ^2/NDF: 2245973604.5/35

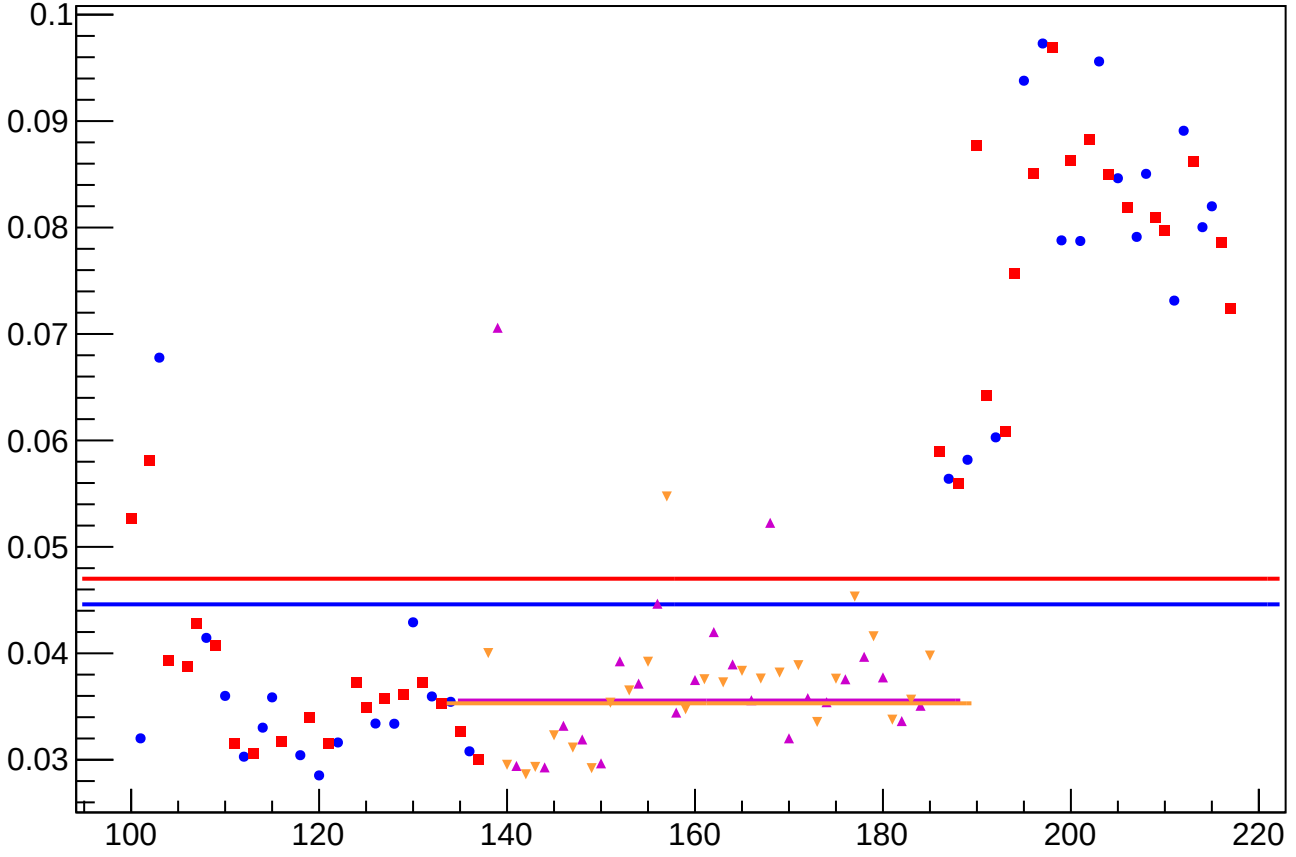
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.194+/-0.000 χ^2/NDF: 9618405522.3/55

All: -0.211+/-0.000 χ^2/NDF: 18455587574.3/

- sign -0.228+/-0.000 χ^2/NDF: 8825467294.7/58

yield_bpm12X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF: 6271046.8/30

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.047+/-0.000 χ^2/NDF: 5699484.3/35

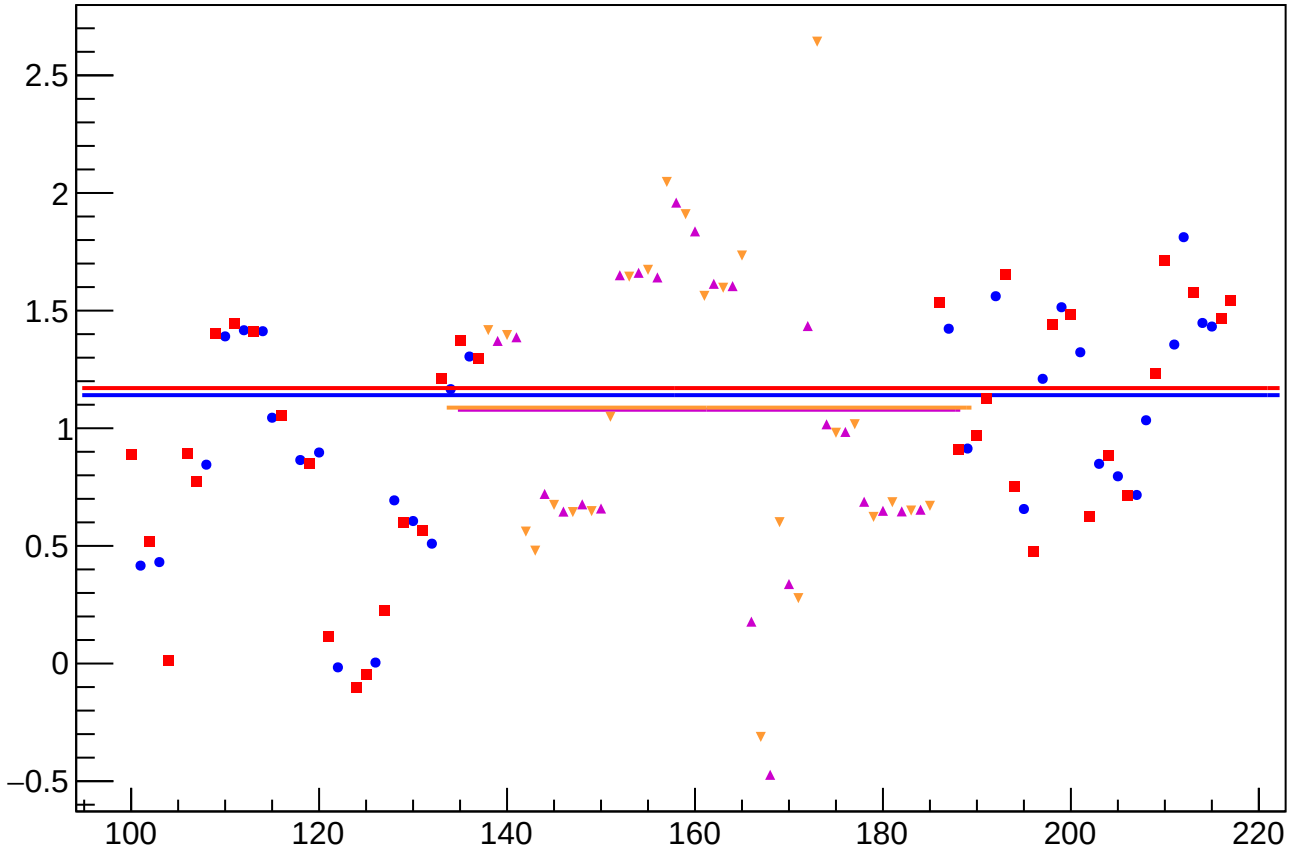
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.039+/-0.000 χ^2/NDF: 7710033.0/55

All: 0.039+/-0.000 χ^2/NDF: 15615012.5/114

- sign 0.040+/-0.000 χ^2/NDF: 7877992.5/58

yield_bpm12Y_mean vs Slug



Right In: 1.141+/-0.000 χ^2/NDF: 51173354601.6/30

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.171+/-0.000 χ^2/NDF: 64312640182.6/35

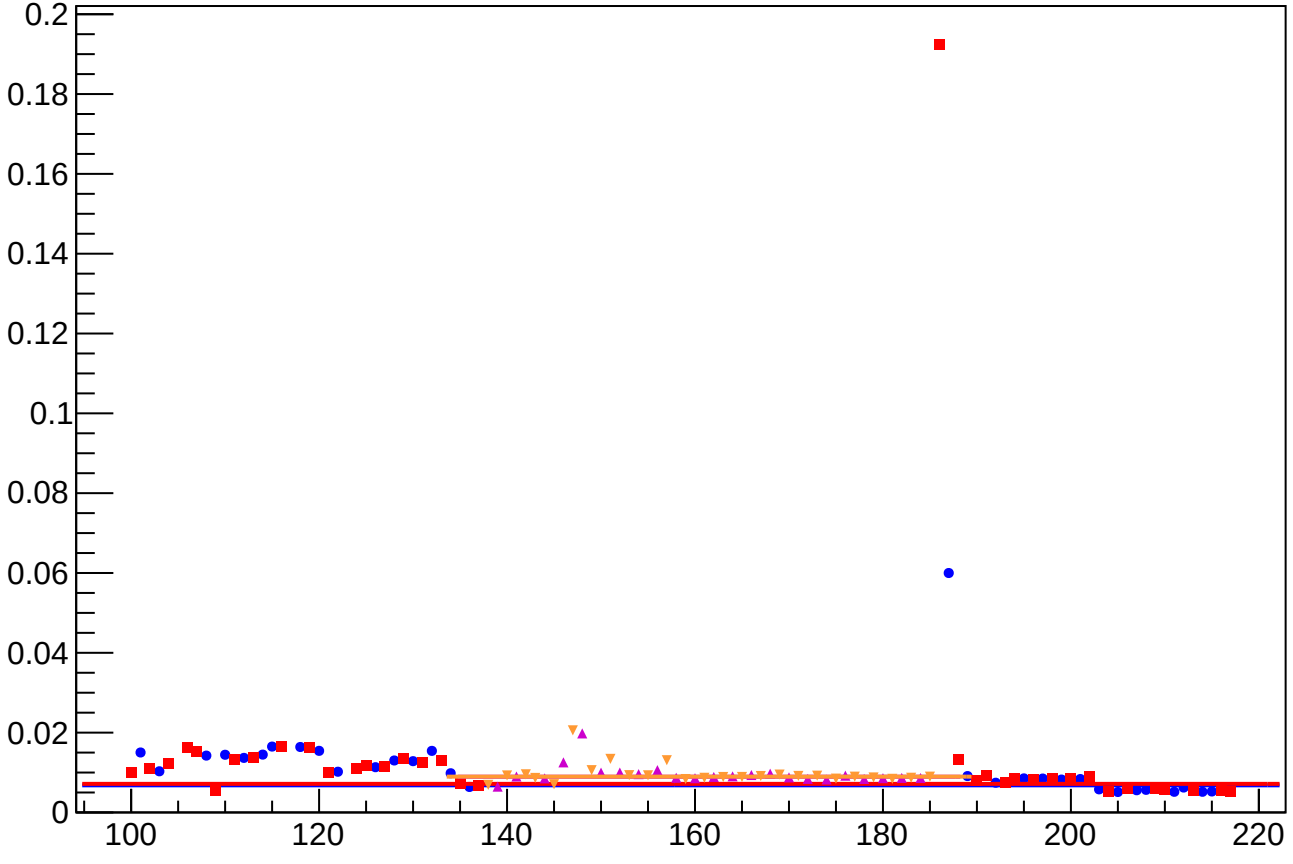
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.120+/-0.000 χ^2/NDF: 145405962066.1/55

All: 1.127+/-0.000 χ^2/NDF: 284949759477.0

- sign 1.135+/-0.000 χ^2/NDF: 139483300973.3/58

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4180482.1/30

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

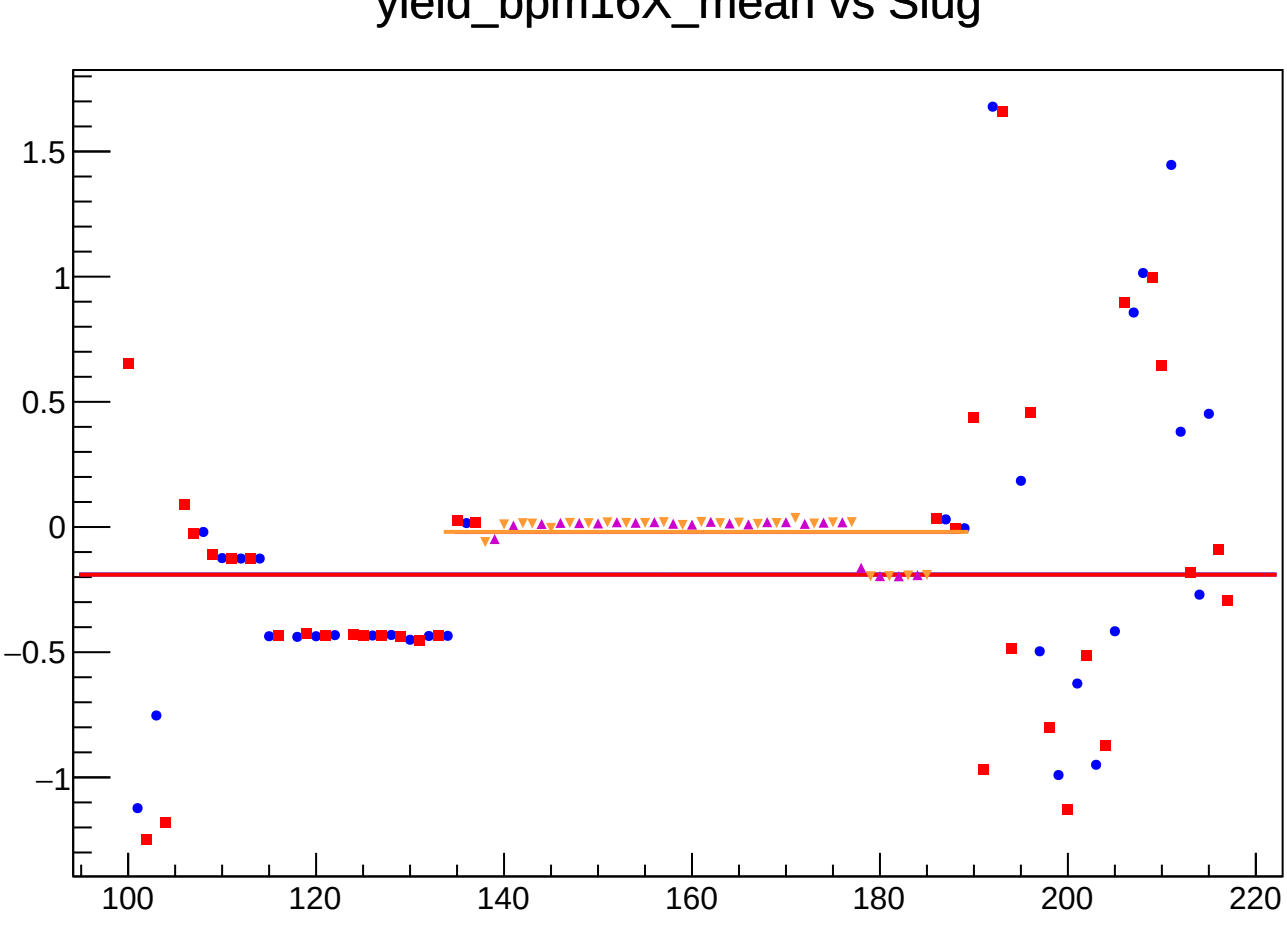
Right Out: 0.007+/-0.000 χ^2/NDF: 4551632.7/35

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 6610520.3/55

All: 0.008+/-0.000 χ^2/NDF: 12970565.1/114

- sign 0.008+/-0.000 χ^2/NDF: 6336201.9/58



Right In: -0.190+/-0.000 χ^2/NDF: 6213657019.8/30

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4554999924.7/35

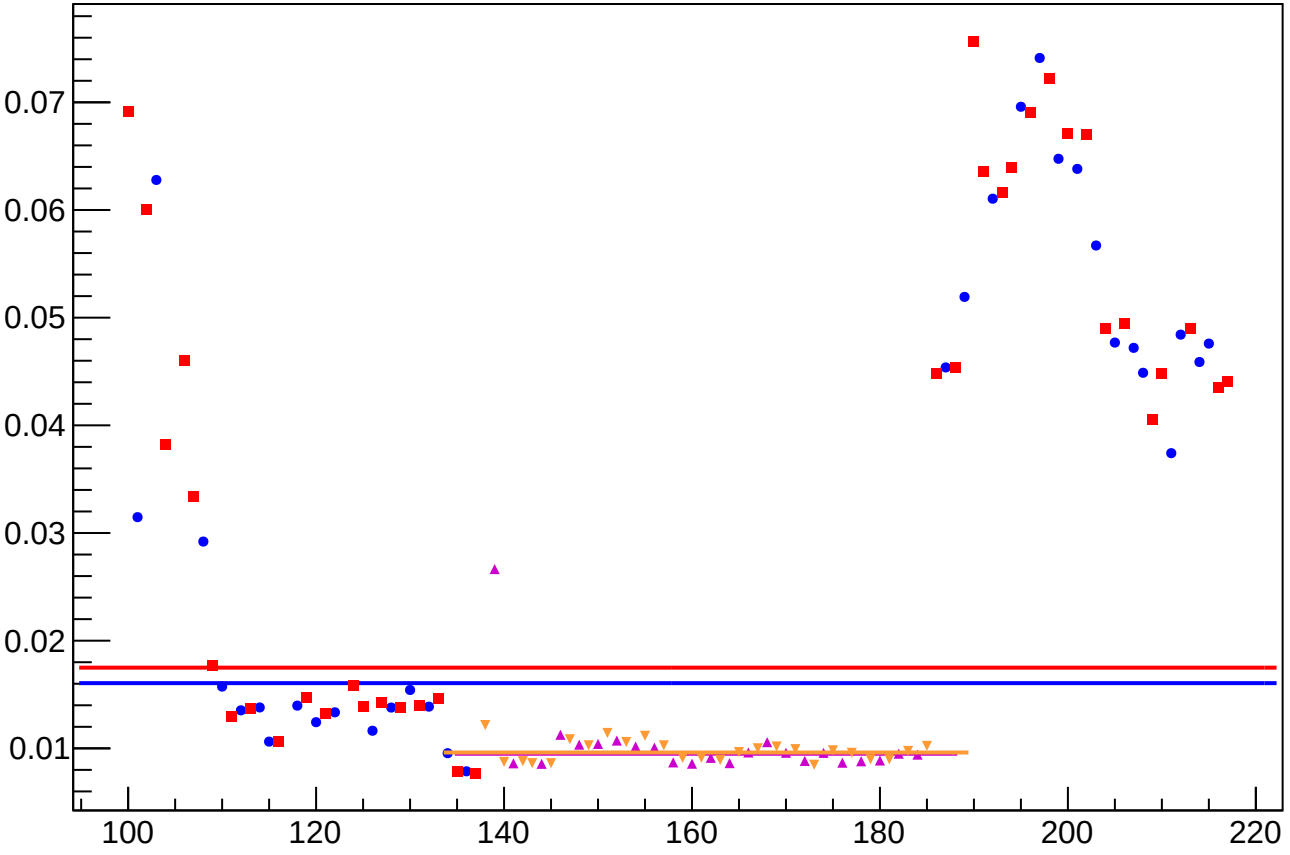
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF: 8216001086.4/55

All: -0.050+/-0.000 χ^2/NDF: 14624867438.6/

- sign -0.050+/-0.000 χ^2/NDF: 6408860068.4/58

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 14354894.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

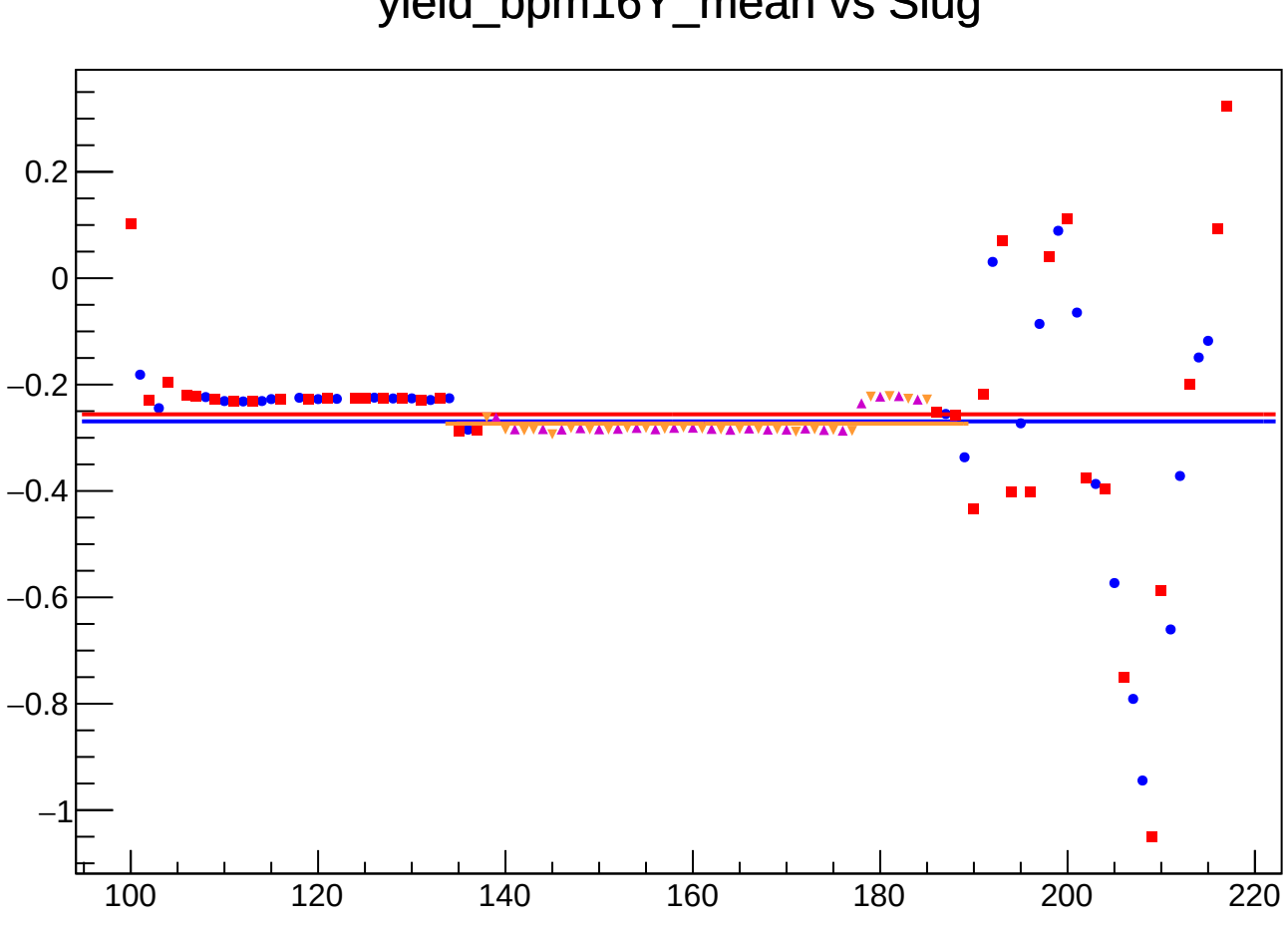
Right Out: 0.017+/-0.000 χ^2/NDF: 15194792.3/35

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 17326081.9/55

All: 0.011+/-0.000 χ^2/NDF: 37257049.6/114

- sign 0.011+/-0.000 χ^2/NDF: 19927917.0/58



Right In: -0.269+/-0.000 χ^2/NDF: 27517331080.9/30

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.256+/-0.000 χ^2/NDF: 33381854570.6/35

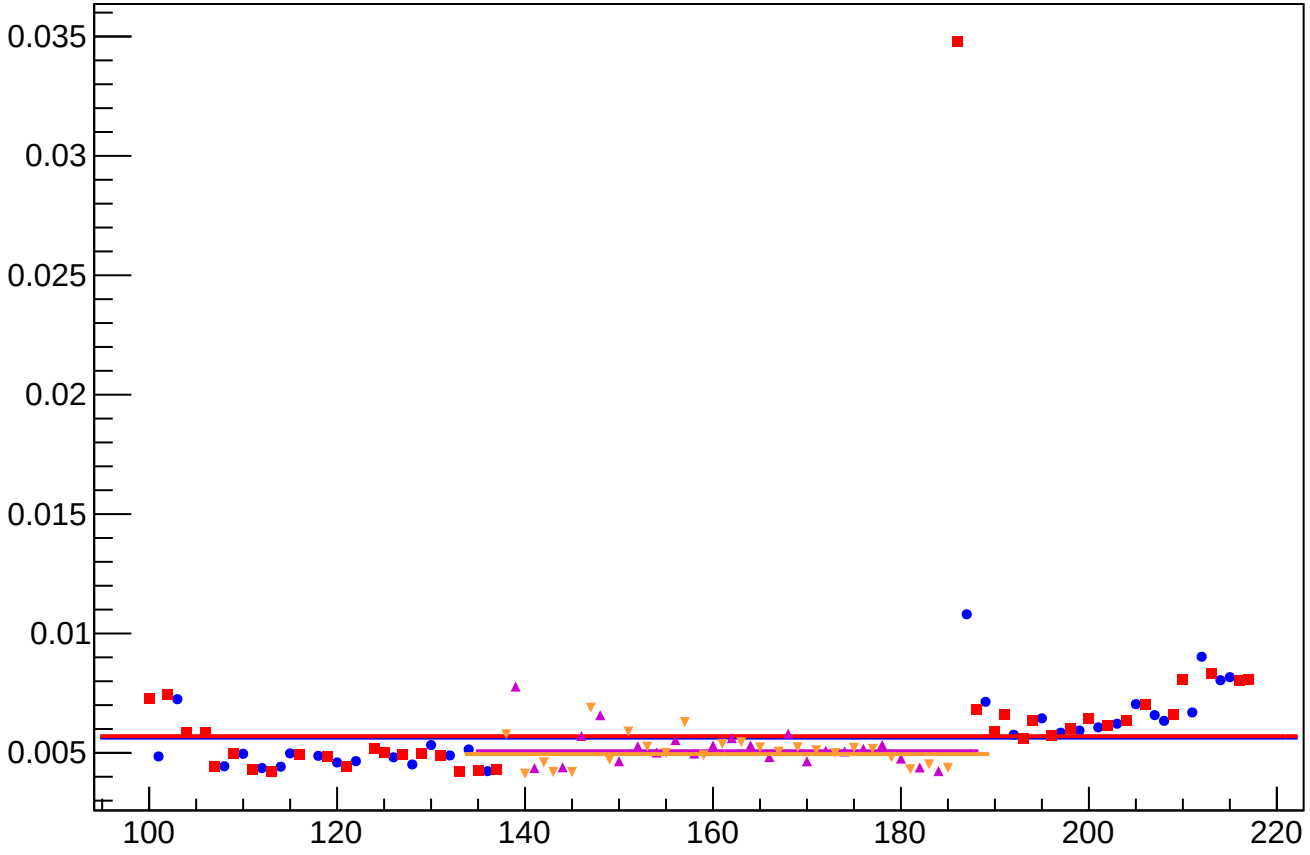
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.272+/-0.000 χ^2/NDF: 27918885001.2/55

All: -0.268+/-0.000 χ^2/NDF: 61750175593.8/

- sign -0.265+/-0.000 χ^2/NDF: 33802898892.6/58

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1507053.3/30

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

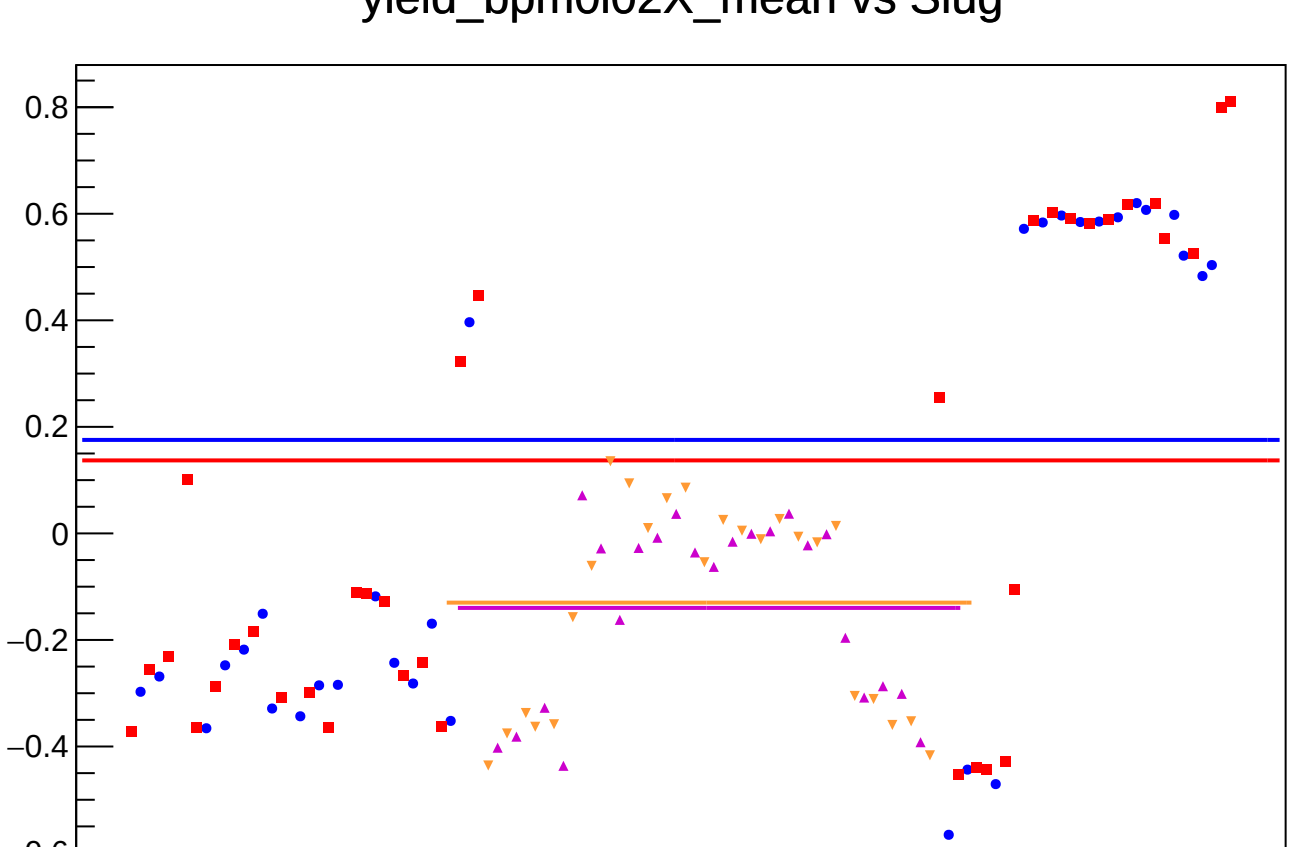
Right Out: 0.006+/-0.000 χ^2/NDF: 2100815.5/35

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 2332581.4/55

All: 0.005+/-0.000 χ^2/NDF: 5233945.2/114

- sign 0.005+/-0.000 χ^2/NDF: 2884916.1/58



Right In: 0.175+/-0.000 χ^2/NDF: 74435642920.9/30

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.137+/-0.000 χ^2/NDF: 84652155301.9/35

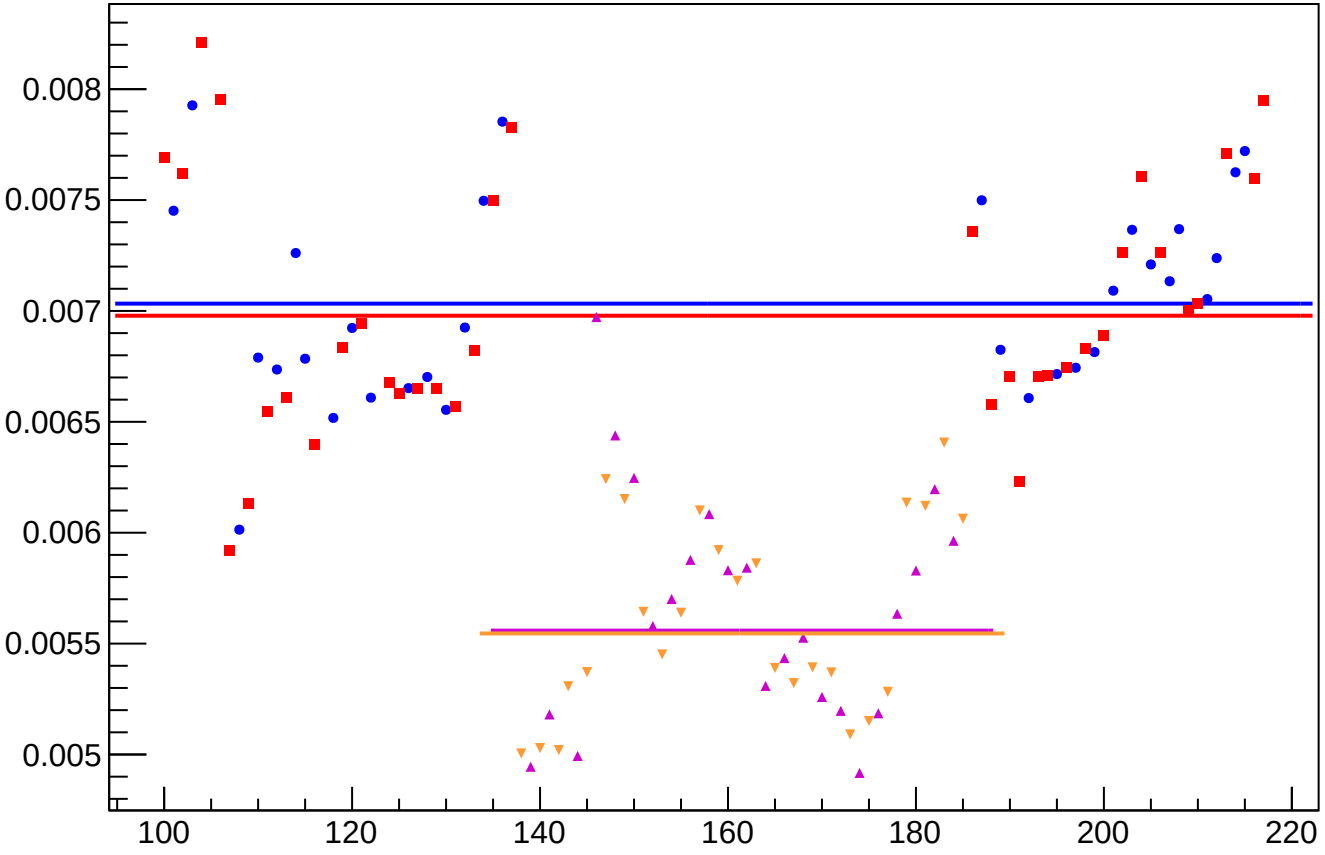
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.011+/-0.000 χ^2/NDF: 117669551927.9/55

All: -0.016+/-0.000 χ^2/NDF: 235769856630.3

- sign -0.022+/-0.000 χ^2/NDF: 118036243718.2/58

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 142165.4/30

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

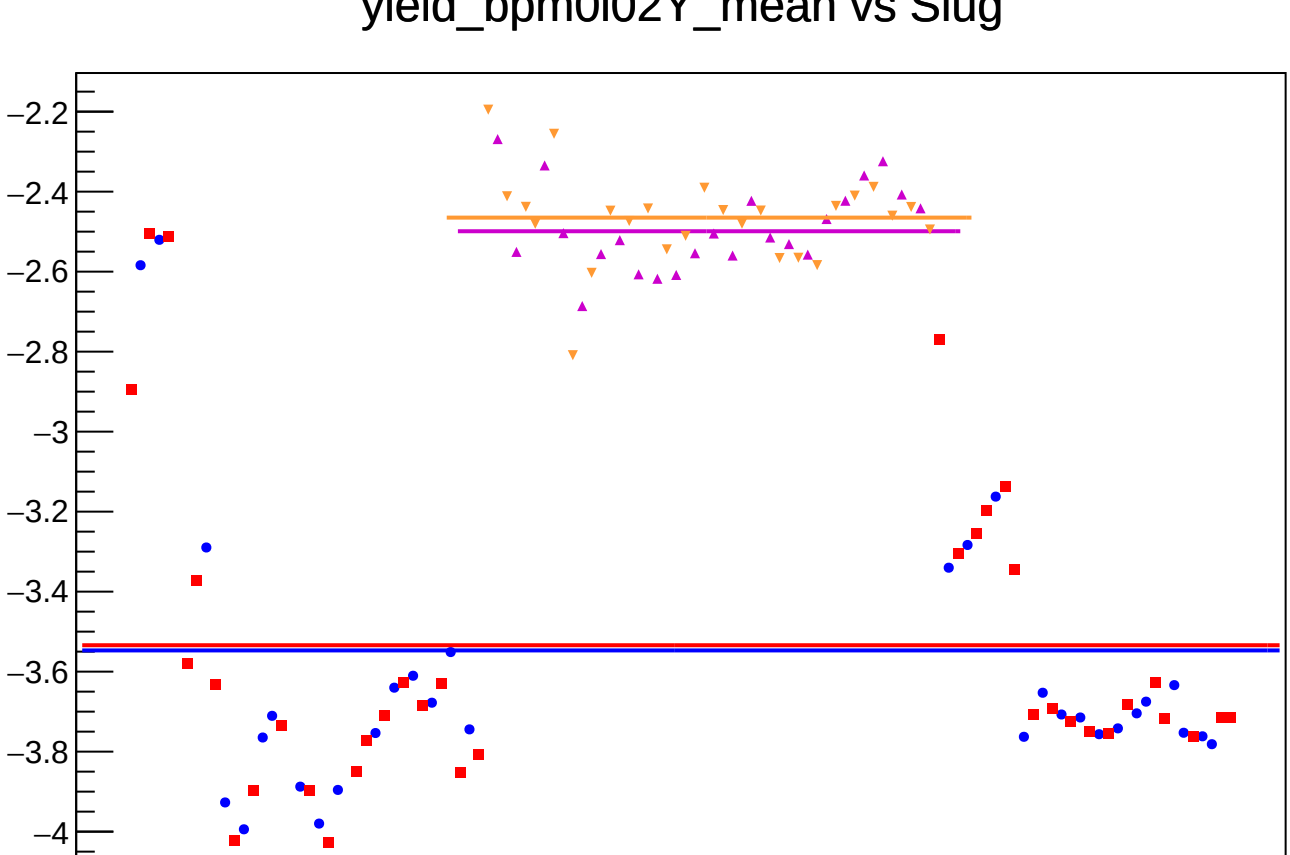
Right Out: 0.007+/-0.000 χ^2/NDF: 200826.9/35

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1374929.5/55

All: 0.006+/-0.000 χ^2/NDF: 2797029.8/114

- sign 0.006+/-0.000 χ^2/NDF: 1420847.6/58



Right In: -3.547+/-0.000 χ^2/NDF: 33673600332.5/30

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.534+/-0.000 χ^2/NDF: 35540853611.6/35

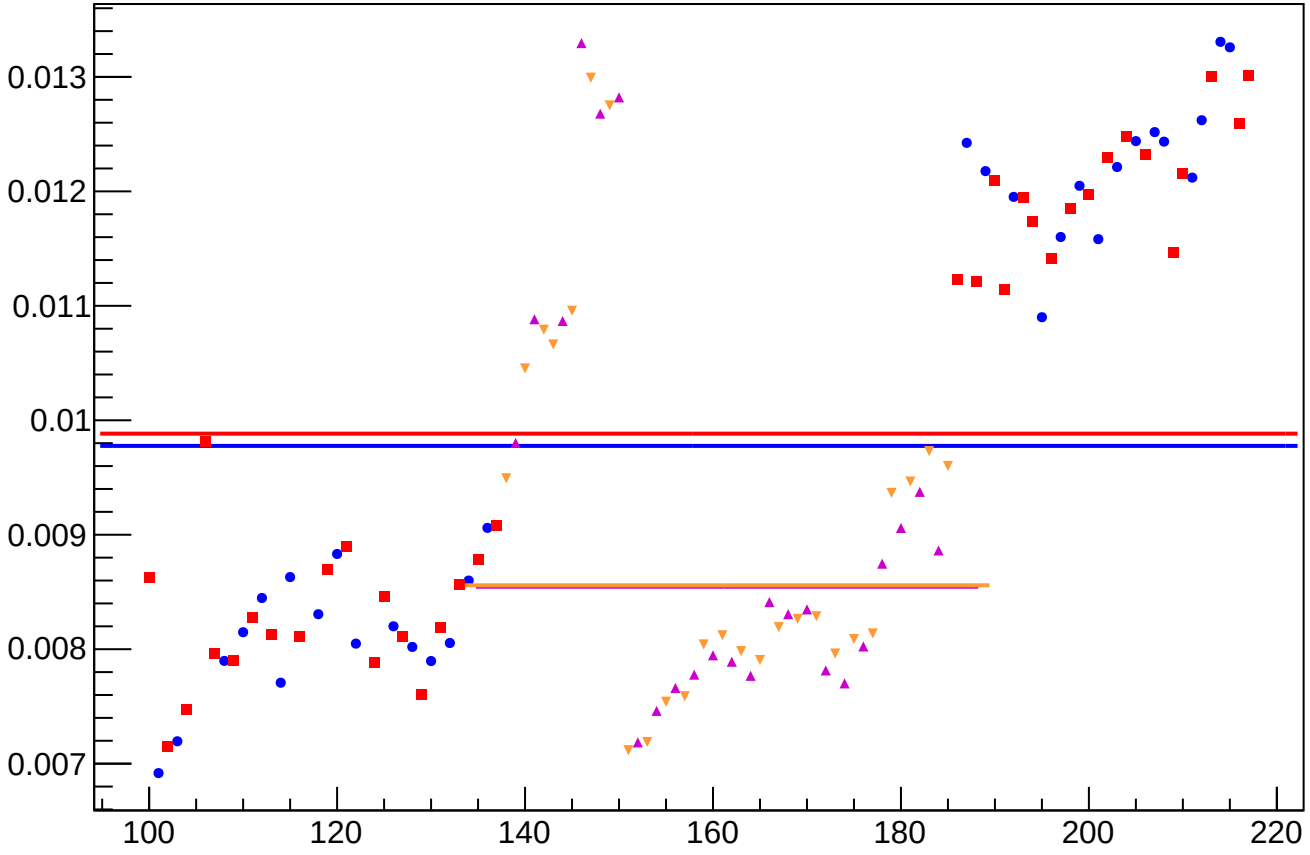
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.933+/-0.000 χ^2/NDF: 160952717491.9/55

All: -2.953+/-0.000 χ^2/NDF: 313971494589.0

- sign -2.973+/-0.000 χ^2/NDF: 152673333330.7/58

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1741894.0/30

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

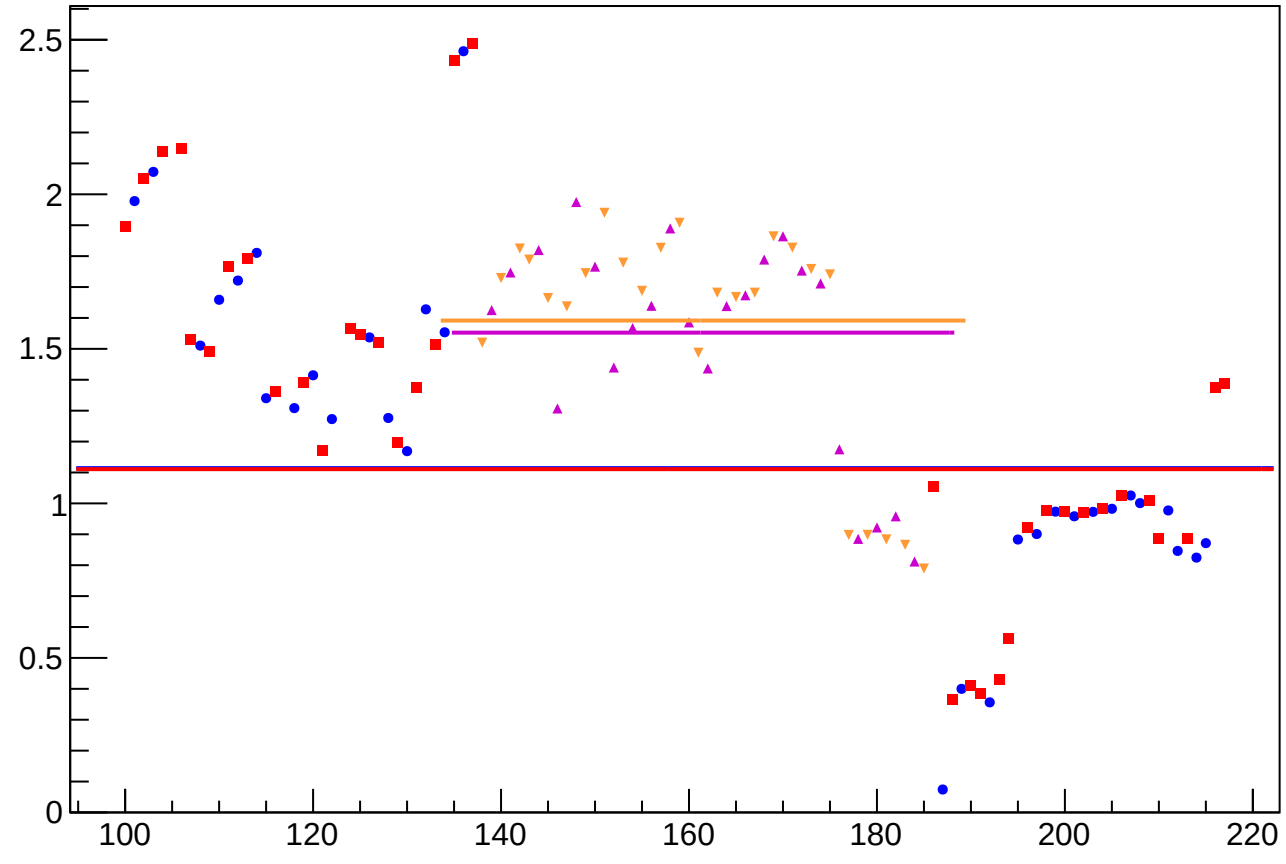
Right Out: 0.010+/-0.000 χ^2/NDF: 1614534.7/35

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2882947.7/55

All: 0.009+/-0.000 χ^2/NDF: 5794132.7/114

- sign 0.009+/-0.000 χ^2/NDF: 2908863.7/58



Right In: 1.114+/-0.000 χ^2/NDF: 30722117227.6/30

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

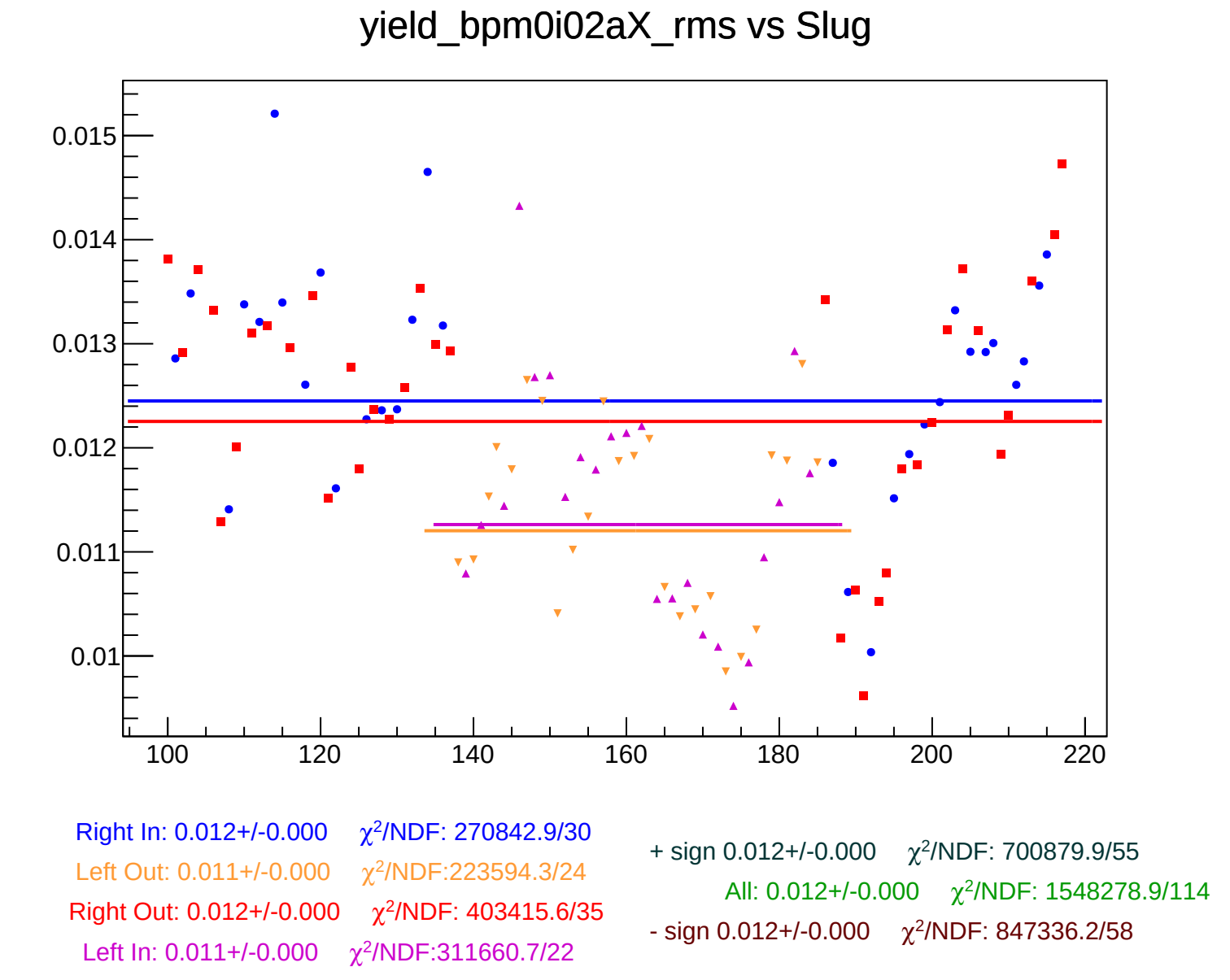
Right Out: 1.111+/-0.000 χ^2/NDF: 35503992643.9/35

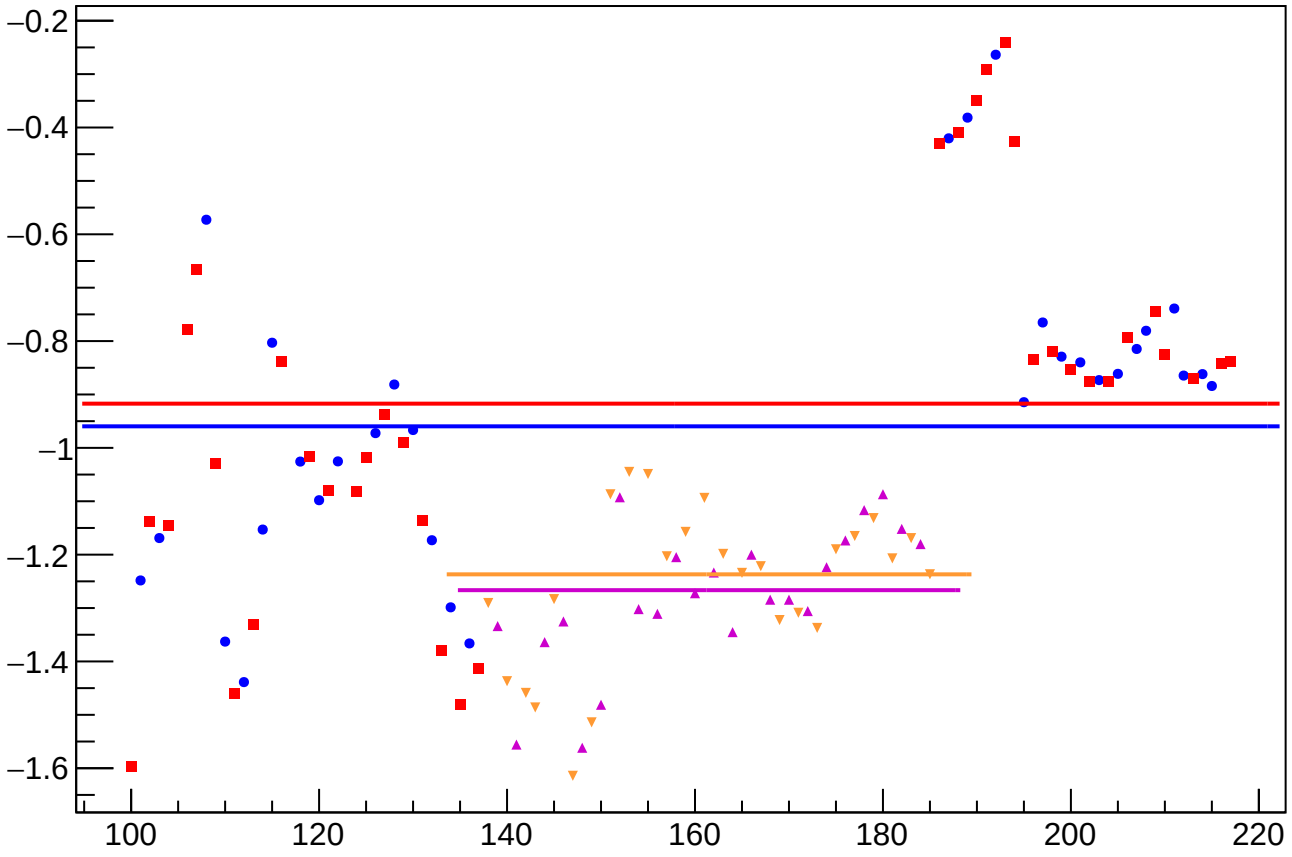
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.376+/-0.000 χ^2/NDF: 62939198443.8/55

All: 1.355+/-0.000 χ^2/NDF: 125861907796.3

- sign 1.335+/-0.000 χ^2/NDF: 62693999647.2/58


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
120
140
160
180
200
220
Right In: 0.012+/-0.000 χ²/NDF: 270842.9/30
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.012+/-0.000 χ²/NDF: 403415.6/35
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
+ sign 0.012+/-0.000 χ²/NDF: 700879.9/55
All: 0.012+/-0.000 χ²/NDF: 1548278.9/114
- sign 0.012+/-0.000 χ²/NDF: 847336.2/58



Right In: -0.960+/-0.000 χ^2/NDF: 12504655663.6/30

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.917+/-0.000 χ^2/NDF: 17029647214.6/35

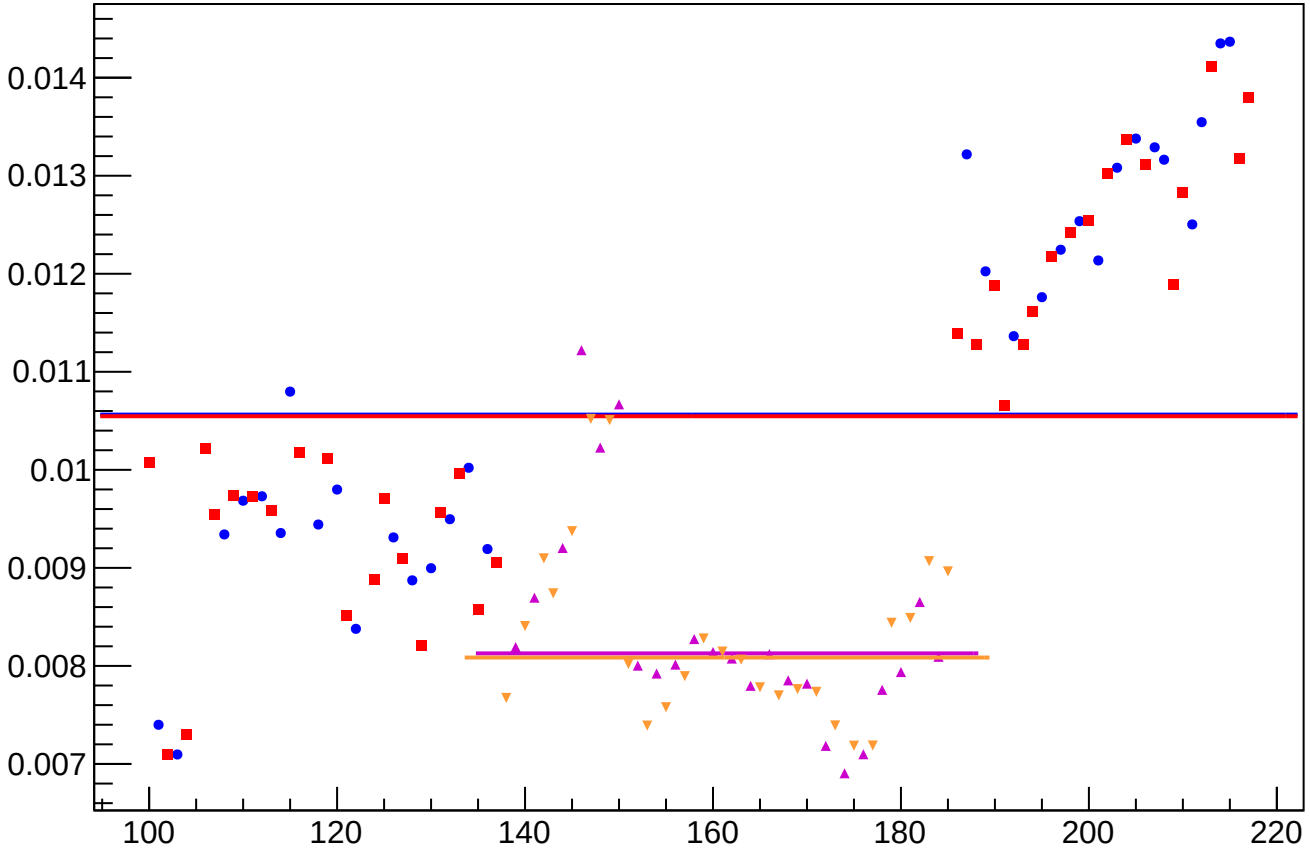
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.135+/-0.000 χ^2/NDF: 25288668870.6/55

All: -1.131+/-0.000 χ^2/NDF: 58665033032.2/

- sign -1.127+/-0.000 χ^2/NDF: 33361725372.1/58

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1536175.3/30

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

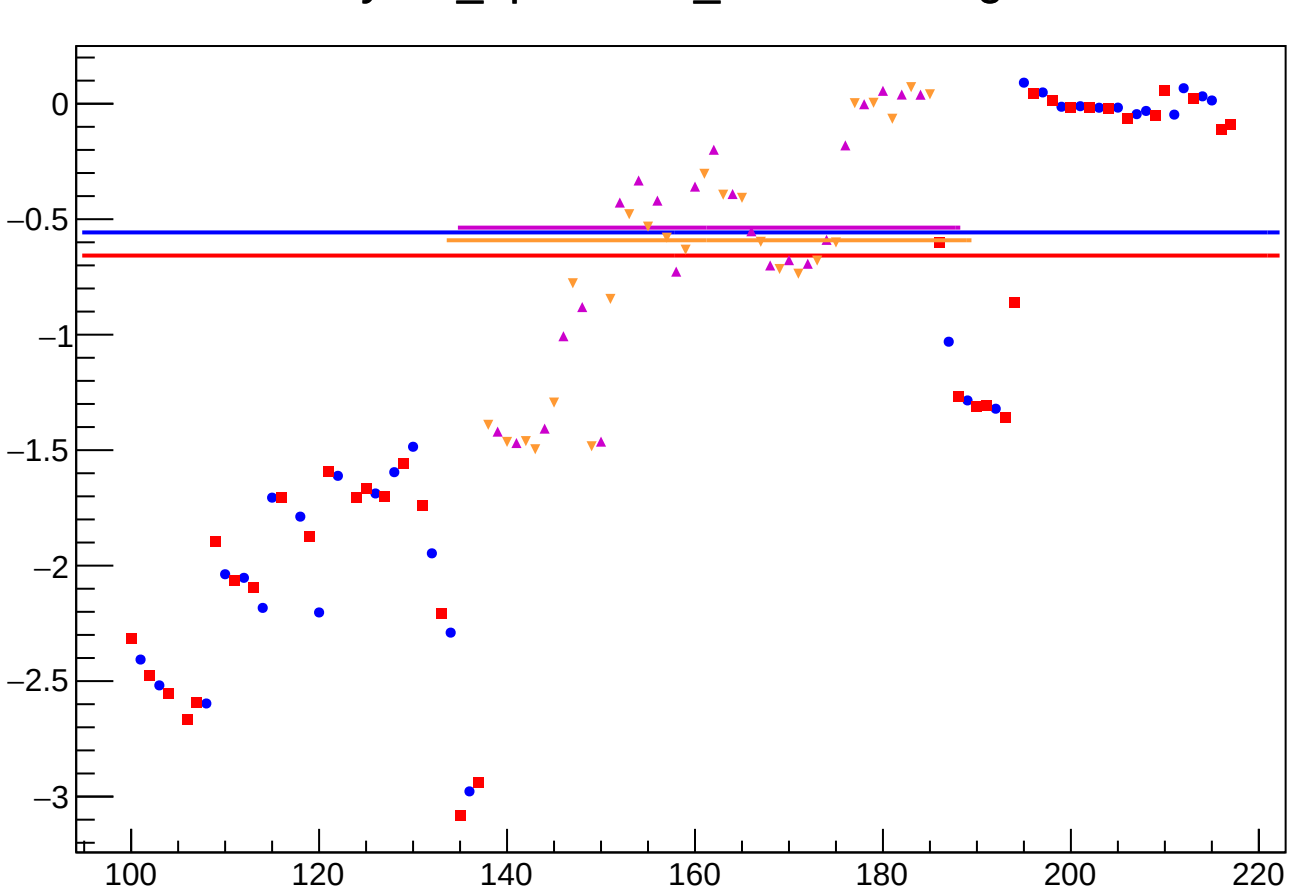
Right Out: 0.011+/-0.000 χ^2/NDF: 1451882.4/35

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 3111383.4/55

All: 0.009+/-0.000 χ^2/NDF: 6190614.7/114

- sign 0.009+/-0.000 χ^2/NDF: 3074956.5/58



Right In: -0.557+/-0.000 χ^2/NDF: 413645860633.6/30

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.657+/-0.000 χ^2/NDF: 441286491295.9/35

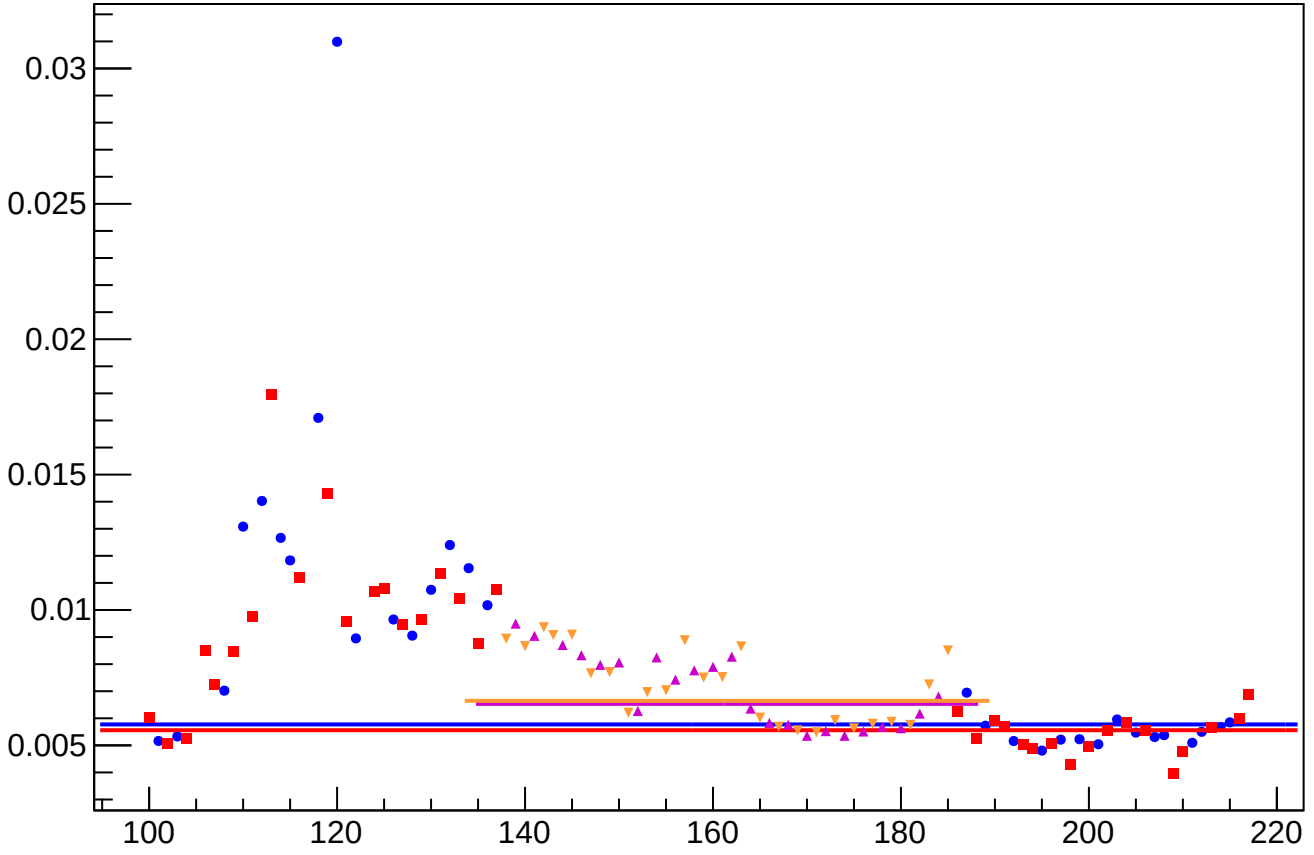
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.572+/-0.000 χ^2/NDF: 486568762399.2/55

All: -0.591+/-0.000 χ^2/NDF: 1001853923844

- sign -0.609+/-0.000 χ^2/NDF: 514697504038.6/58

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2542391.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

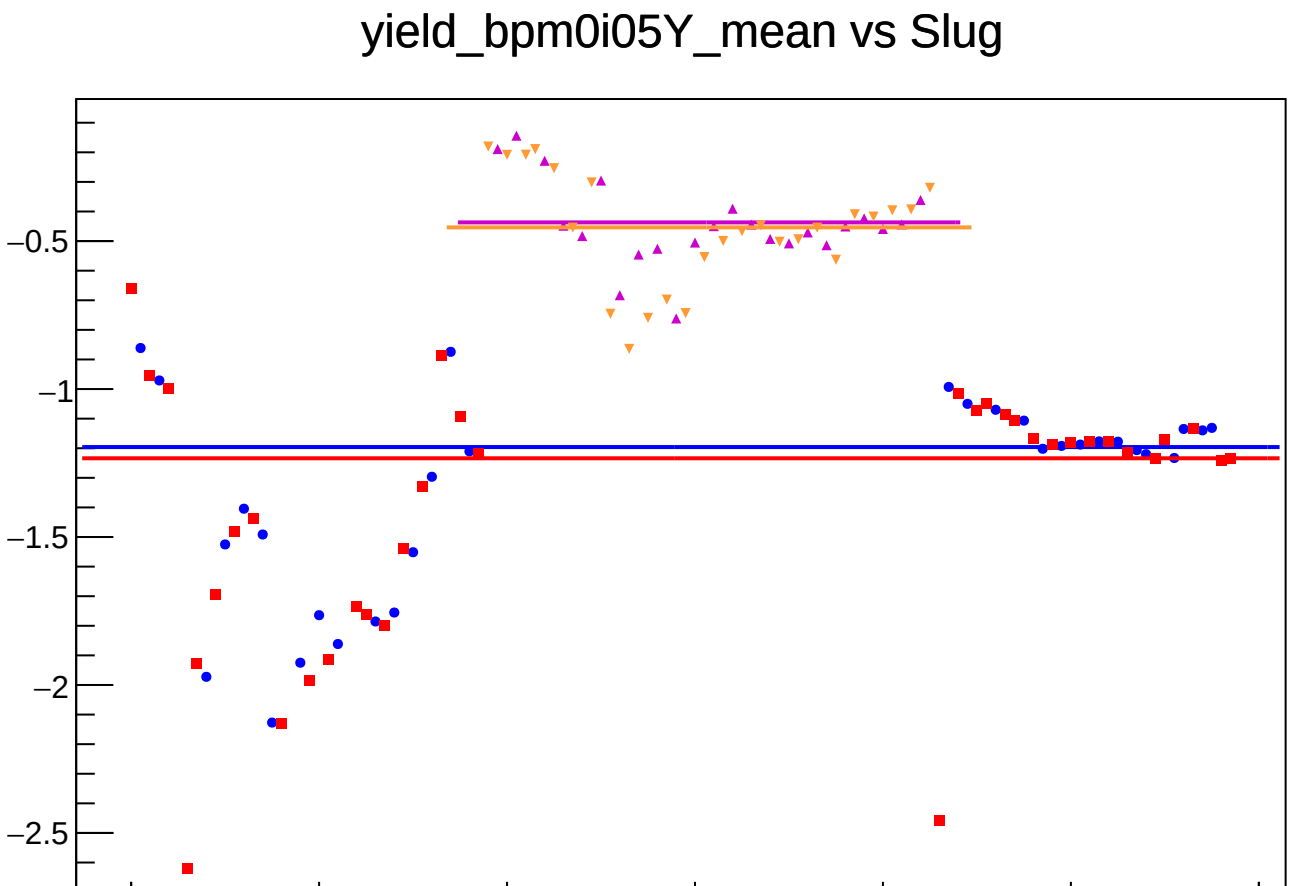
Right Out: 0.006+/-0.000 χ^2/NDF: 2746148.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3955418.1/55

All: 0.006+/-0.000 χ^2/NDF: 8312459.3/114

- sign 0.006+/-0.000 χ^2/NDF: 4318959.1/58



Right In: -1.196+/-0.000 χ^2/NDF: 27643496352.8/30

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72816454247.3/35

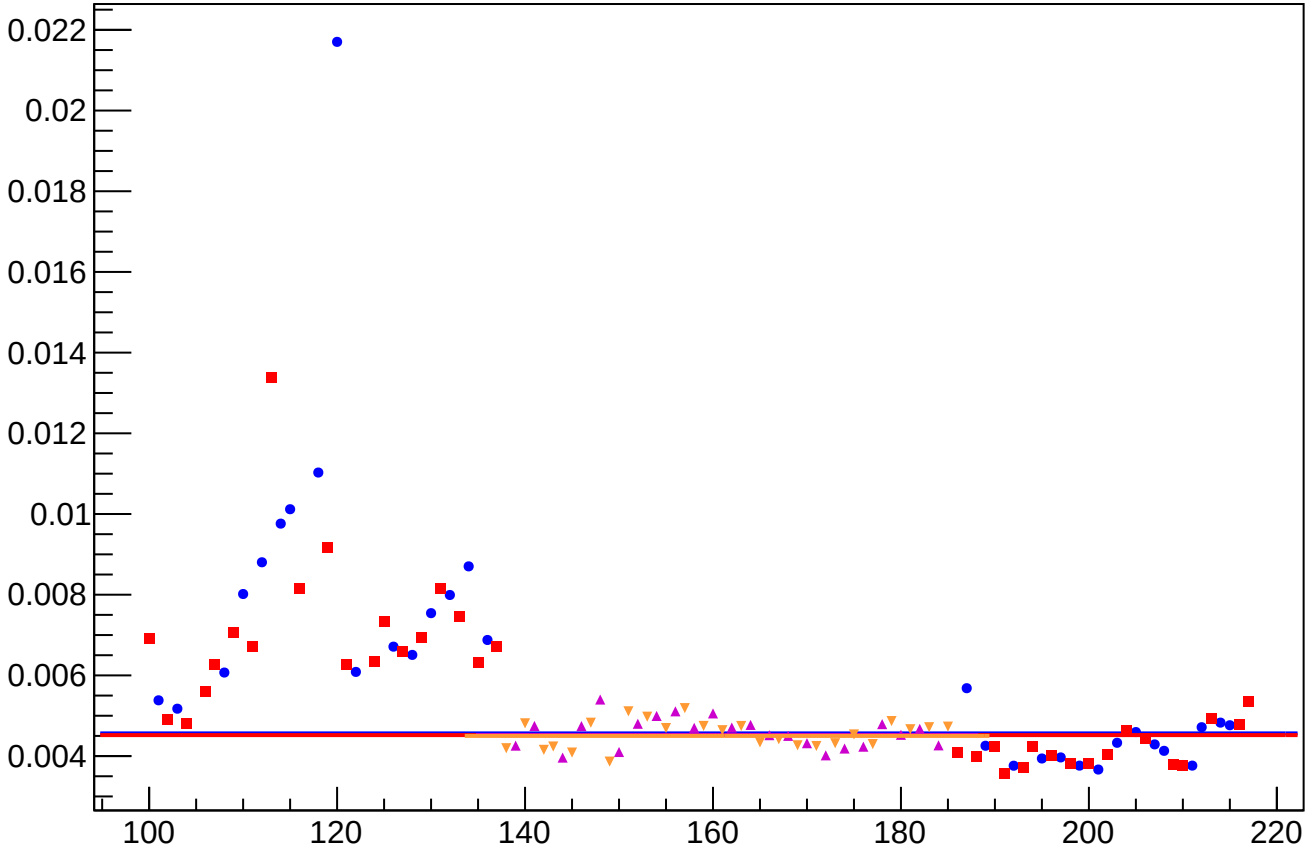
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.802+/-0.000 χ^2/NDF: 281638960983.7/55

All: -0.823+/-0.000 χ^2/NDF: 636730922249.0

- sign -0.844+/-0.000 χ^2/NDF: 353651603373.5/58

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2255891.7/30

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

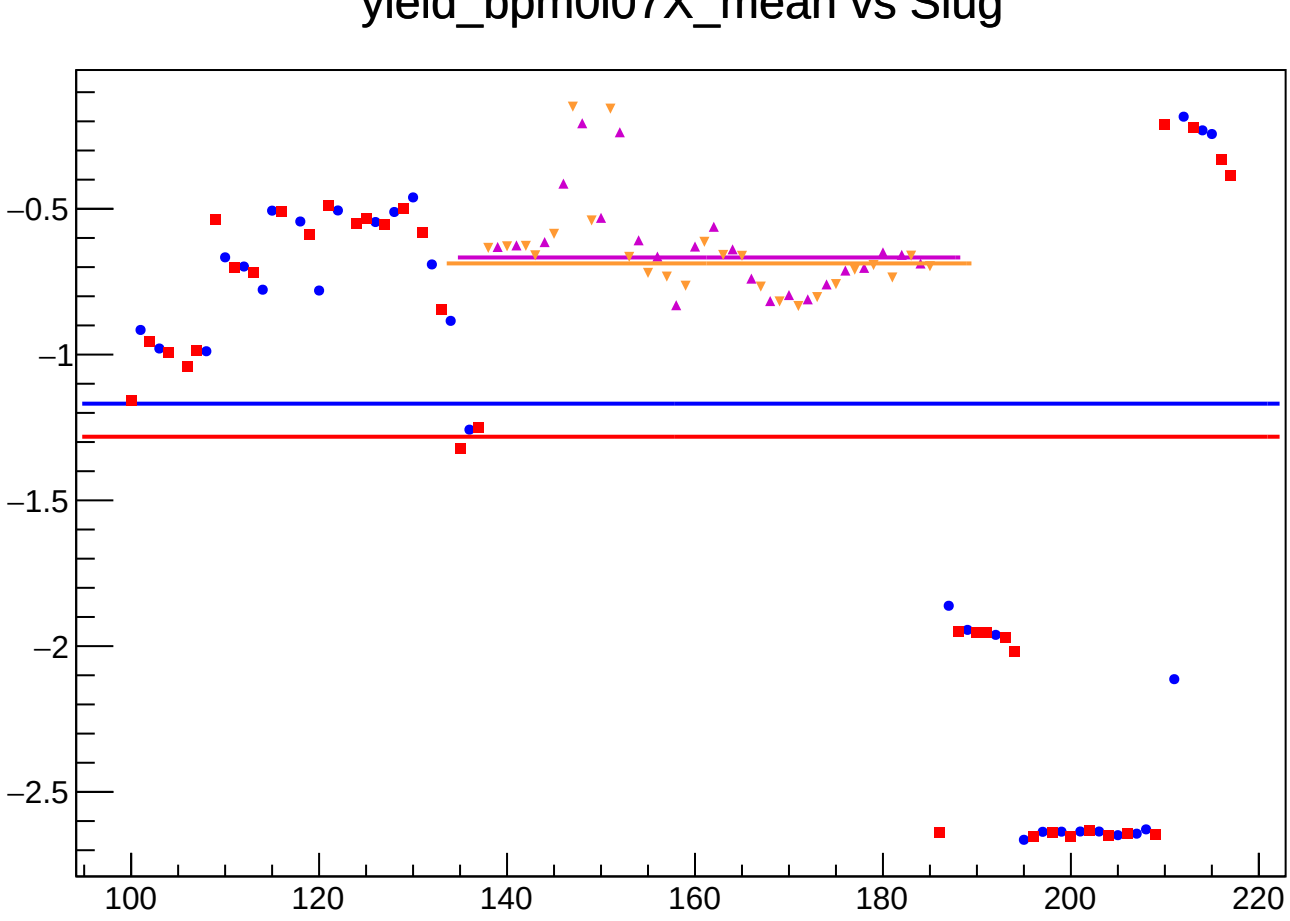
Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.1/35

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2448184.9/55

All: 0.005+/-0.000 χ^2/NDF: 4685977.8/114

- sign 0.005+/-0.000 χ^2/NDF: 2237645.9/58



Right In: -1.168+/-0.000 χ^2/NDF: 599624527967.8/30

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.282+/-0.000 χ^2/NDF: 745375161408.7/35

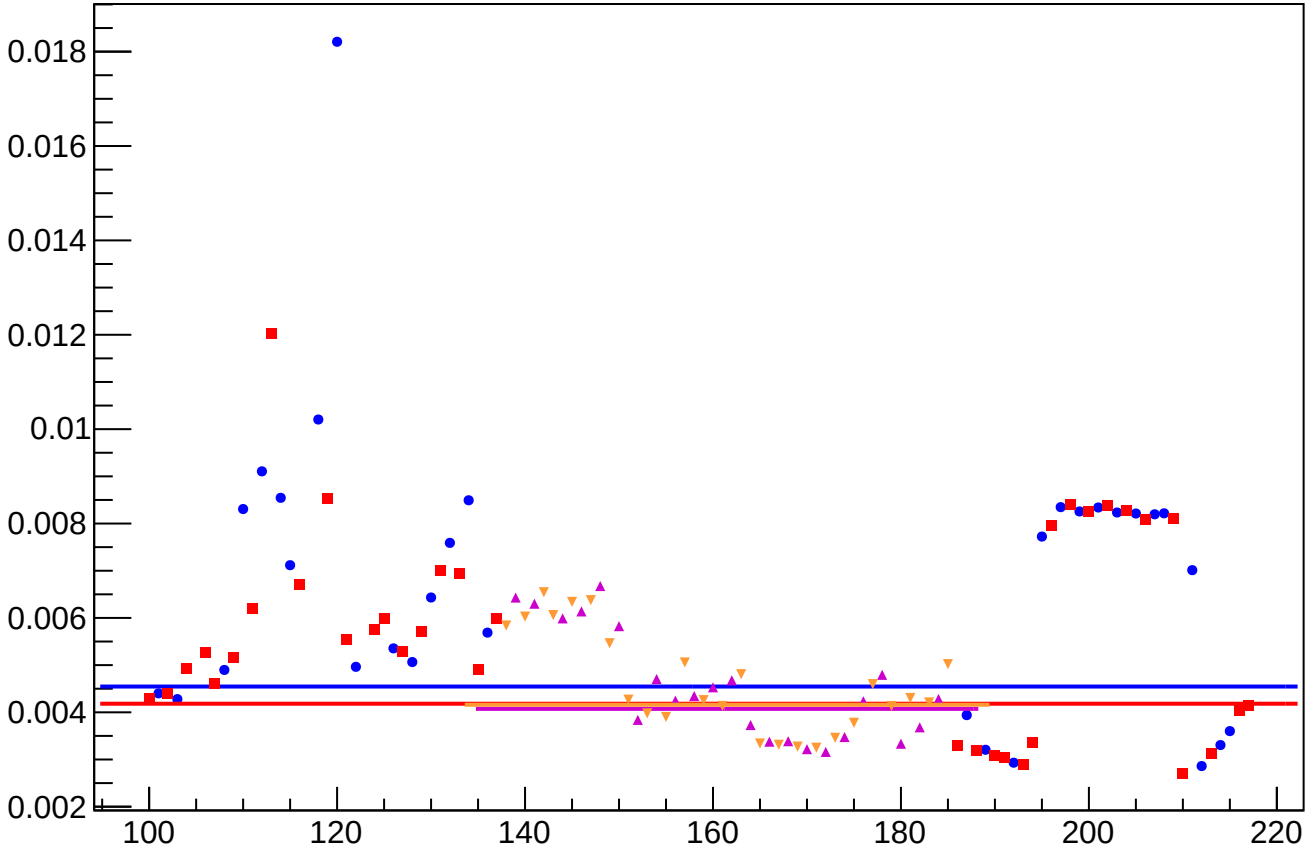
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.893+/-0.000 χ^2/NDF: 717548639029.8/55

All: -0.934+/-0.000 χ^2/NDF: 1669044763688

- sign -0.971+/-0.000 χ^2/NDF: 946043885400.1/58

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 5850550.3/30

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

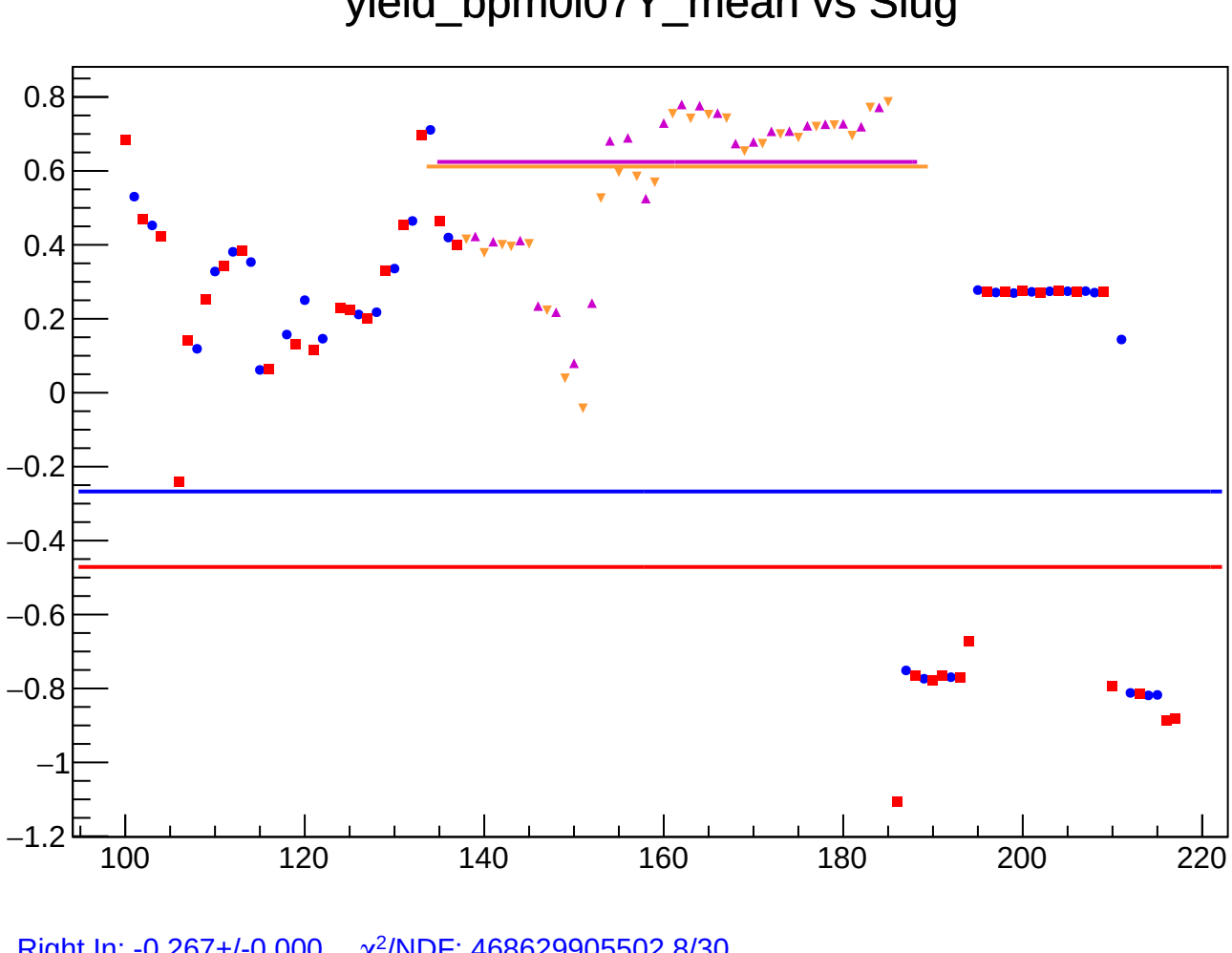
Right Out: 0.004+/-0.000 χ^2/NDF: 5567168.7/35

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7493338.9/55

All: 0.004+/-0.000 χ^2/NDF: 14892204.9/114

- sign 0.004+/-0.000 χ^2/NDF: 7328736.5/58



Right In: -0.267+/-0.000 χ^2/NDF: 468629905502.8/30

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.471+/-0.000 χ^2/NDF: 629701030295.7/35

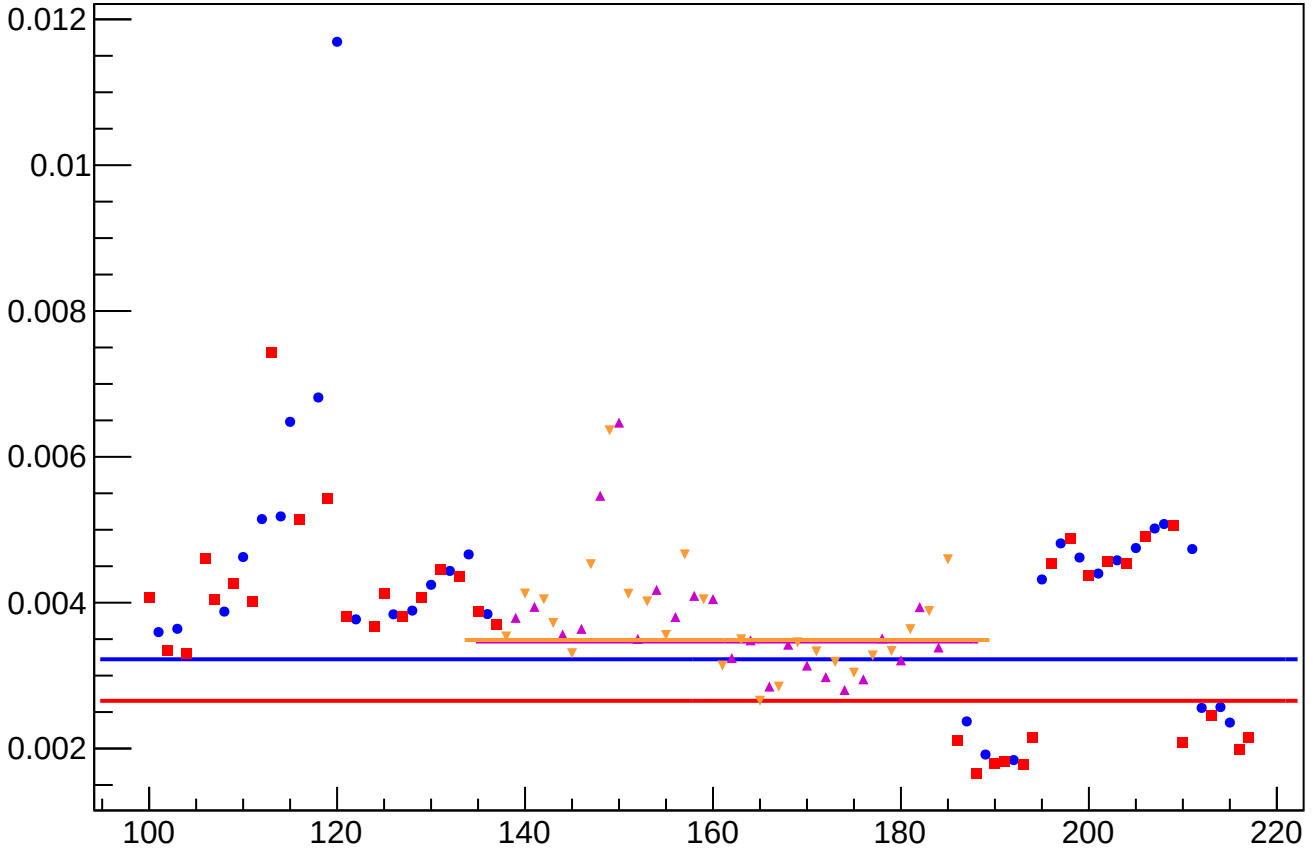
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.144+/-0.000 χ^2/NDF: 1056926055879.5/55

All: 0.019+/-0.000 χ^2/NDF: 2784723811565.

- sign -0.081+/-0.000 χ^2/NDF: 1648655372092.8/58

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4430742.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

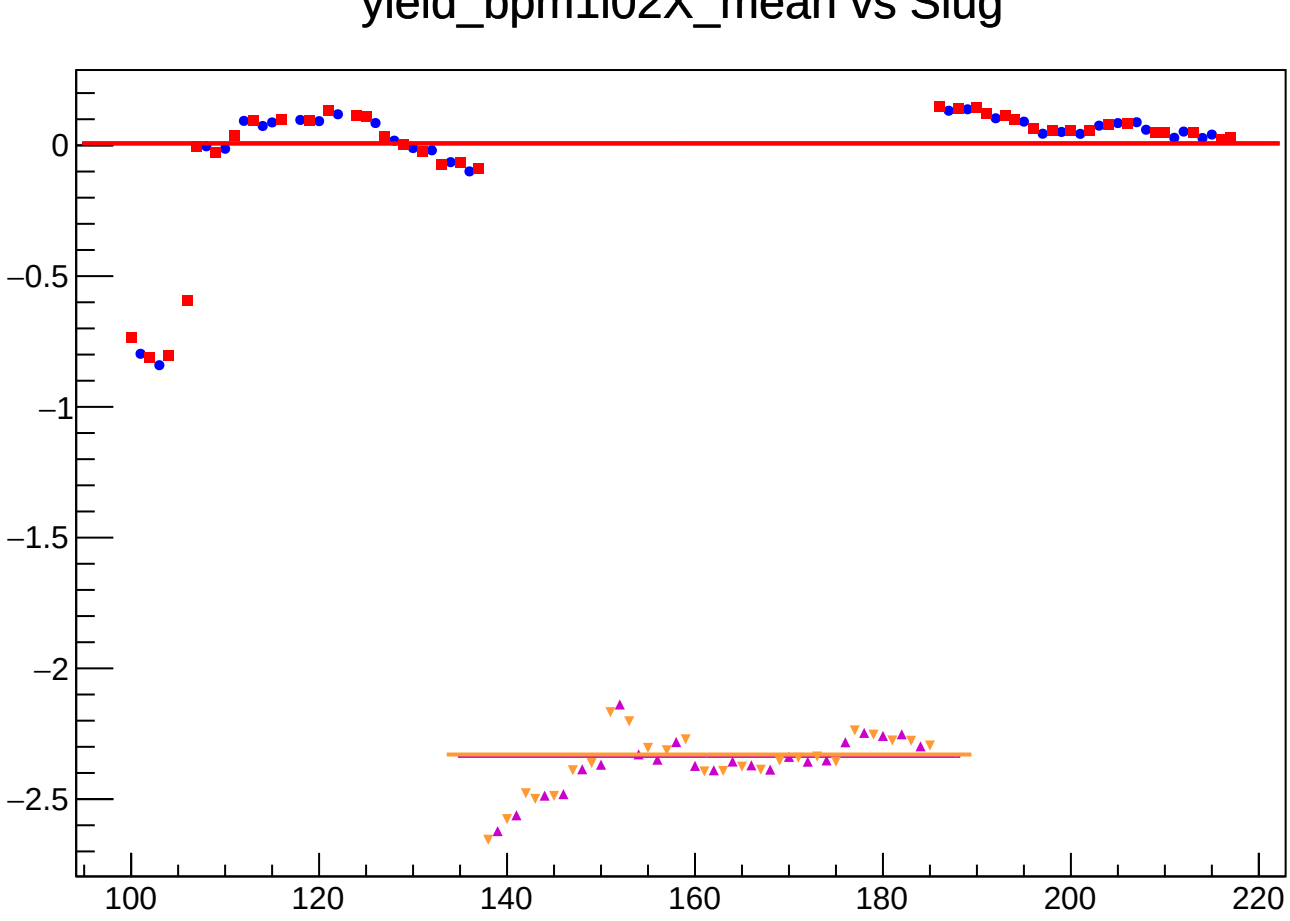
Right Out: 0.003+/-0.000 χ^2/NDF: 5724410.6/35

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 5379458.9/55

All: 0.003+/-0.000 χ^2/NDF: 13586705.2/114

- sign 0.003+/-0.000 χ^2/NDF: 7695390.5/58



Right In: 0.008+/-0.000 χ^2/NDF: 6576532792.6/30

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7840905089.5/35

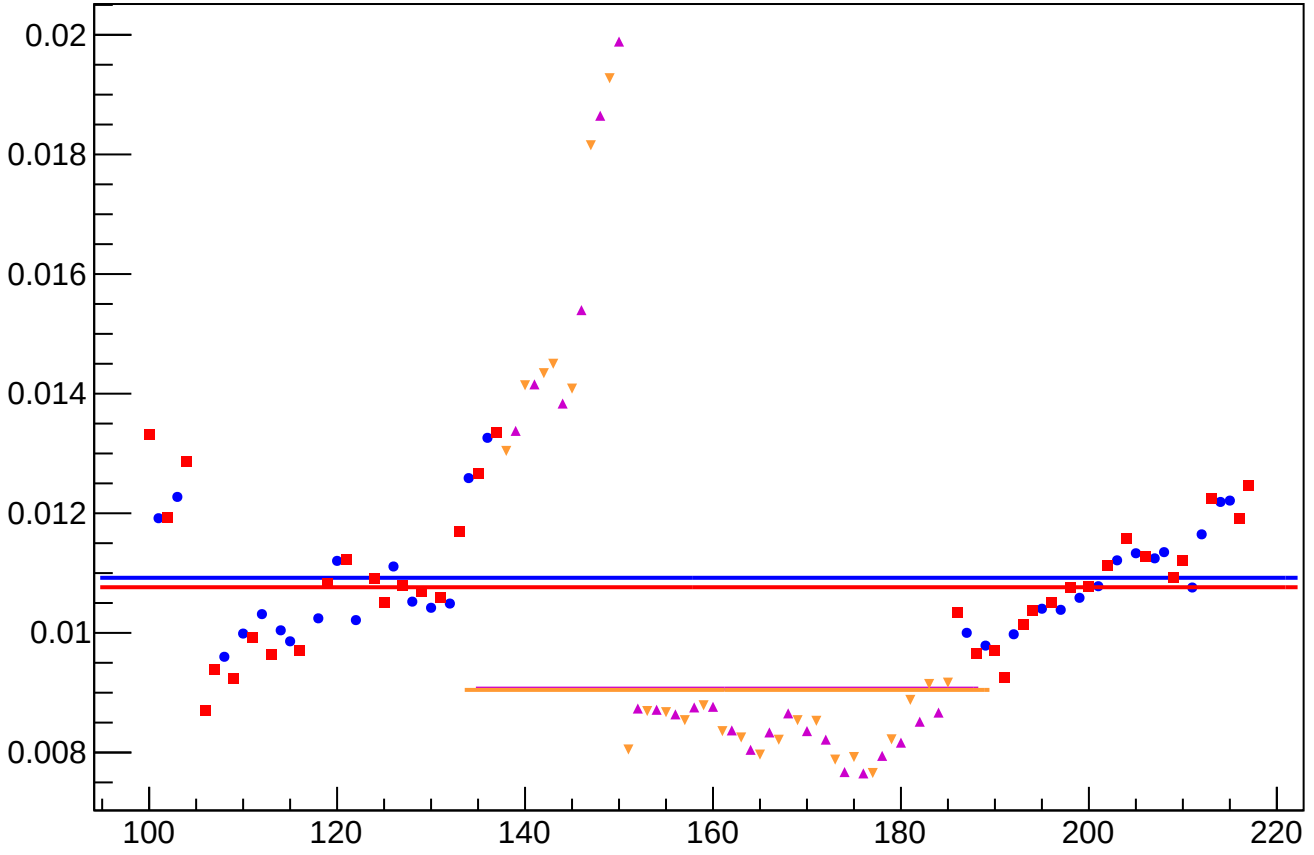
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.353+/-0.000 χ^2/NDF: 515640982965.1/55

All: -1.308+/-0.000 χ^2/NDF: 1049950434913

- sign -1.264+/-0.000 χ^2/NDF: 532800076322.2/58

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 236059.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

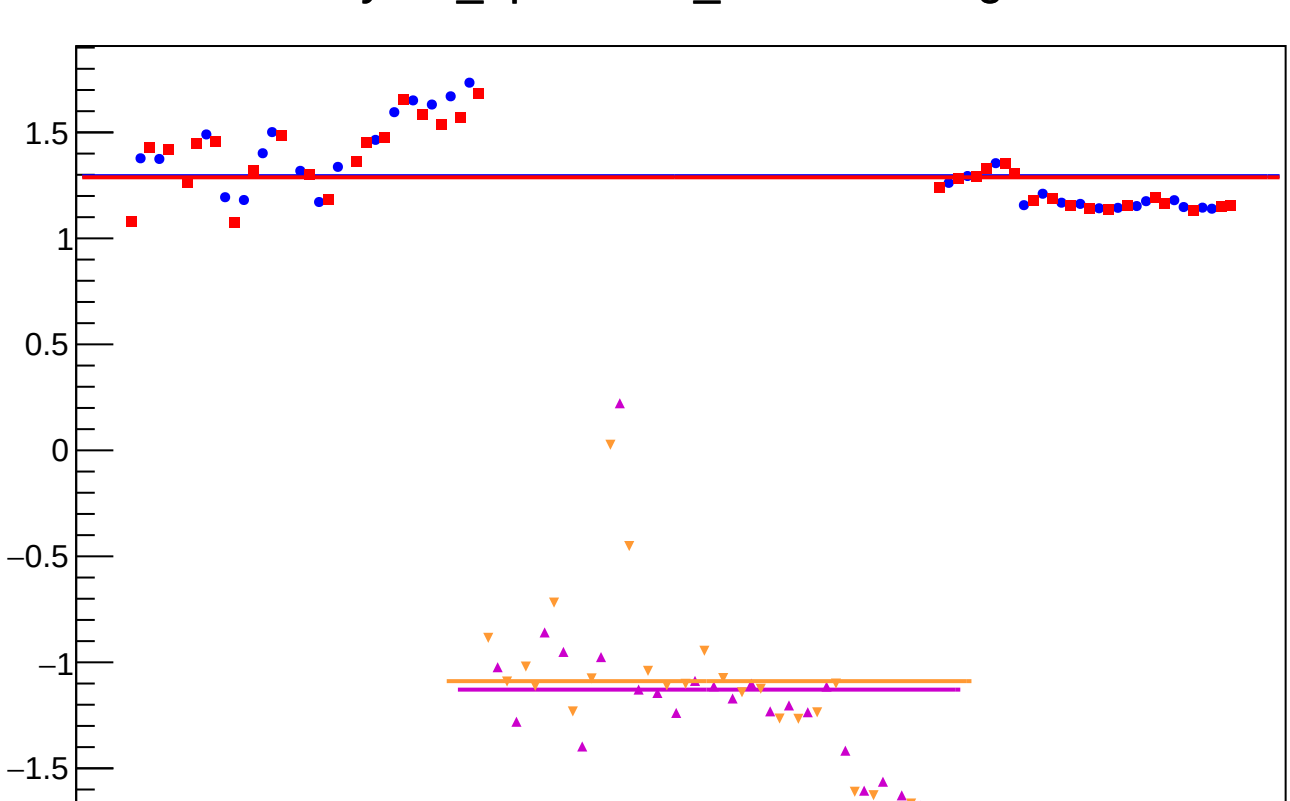
Right Out: 0.011+/-0.000 χ^2/NDF: 340752.8/35

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2937271.1/55

All: 0.010+/-0.000 χ^2/NDF: 5960614.9/114

- sign 0.010+/-0.000 χ^2/NDF: 3023281.3/58



Right In: 1.294+/-0.000 χ^2/NDF: 9493475141.4/30

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.288+/-0.000 χ^2/NDF: 7550937535.8/35

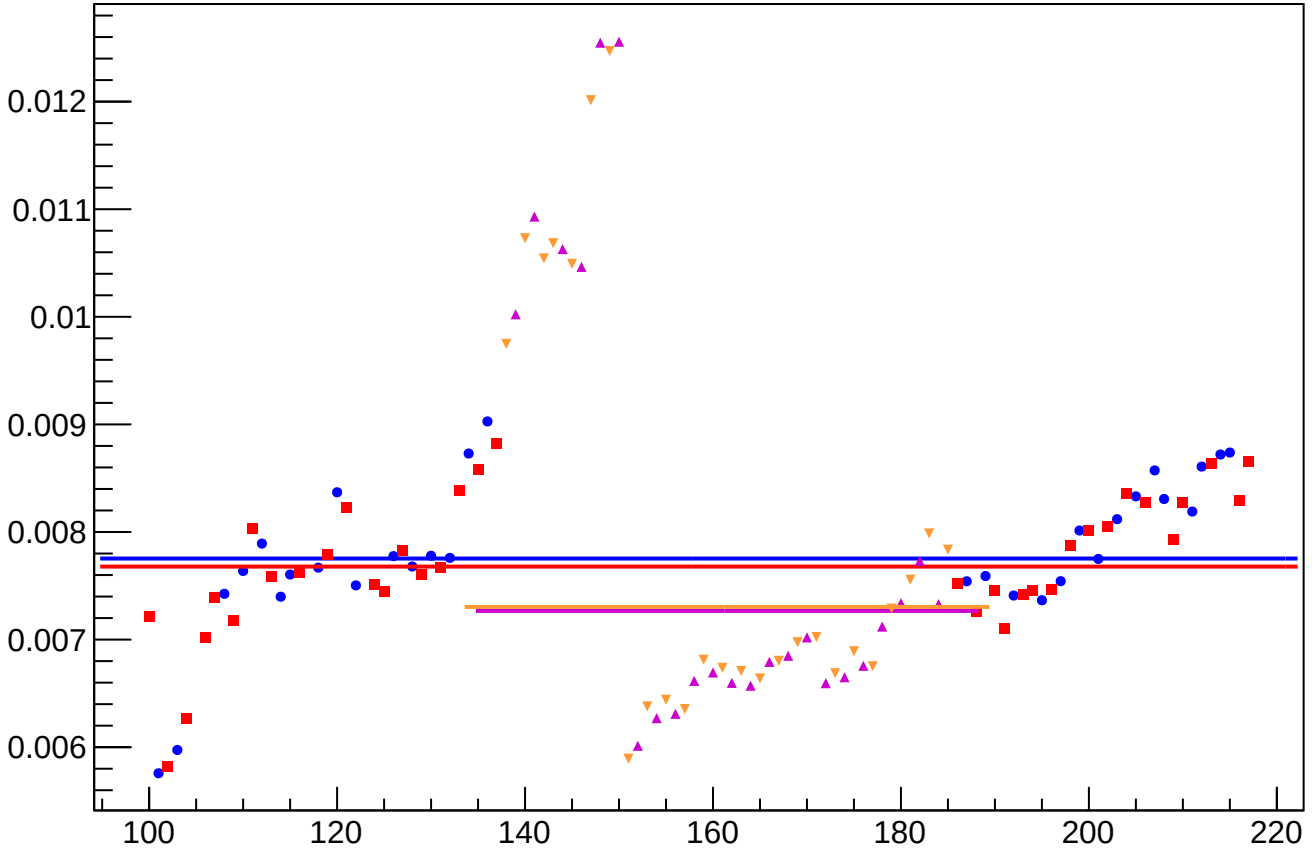
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.046+/-0.000 χ^2/NDF: 1007516076323.6/55

All: 0.077+/-0.000 χ^2/NDF: 2063482796761.

- sign 0.107+/-0.000 χ^2/NDF: 1054730865068.8/58

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 428294.9/30

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

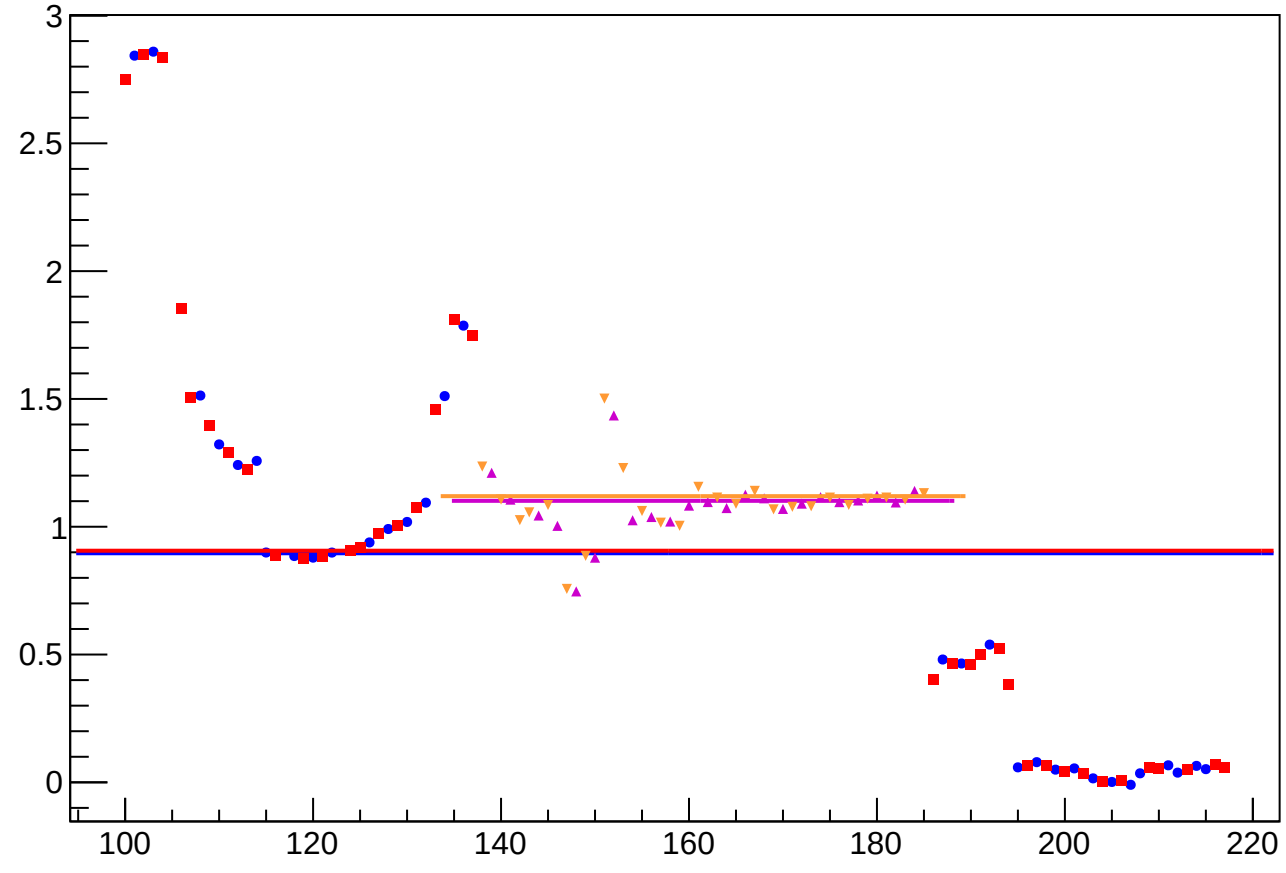
Right Out: 0.008+/-0.000 χ^2/NDF: 336119.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 1999168.0/55

All: 0.007+/-0.000 χ^2/NDF: 3953998.9/114

- sign 0.007+/-0.000 χ^2/NDF: 1953719.7/58



Right In: 0.896+/-0.000 χ^2/NDF: 157341744235.3/30

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.906+/-0.000 χ^2/NDF: 155136400426.5/35

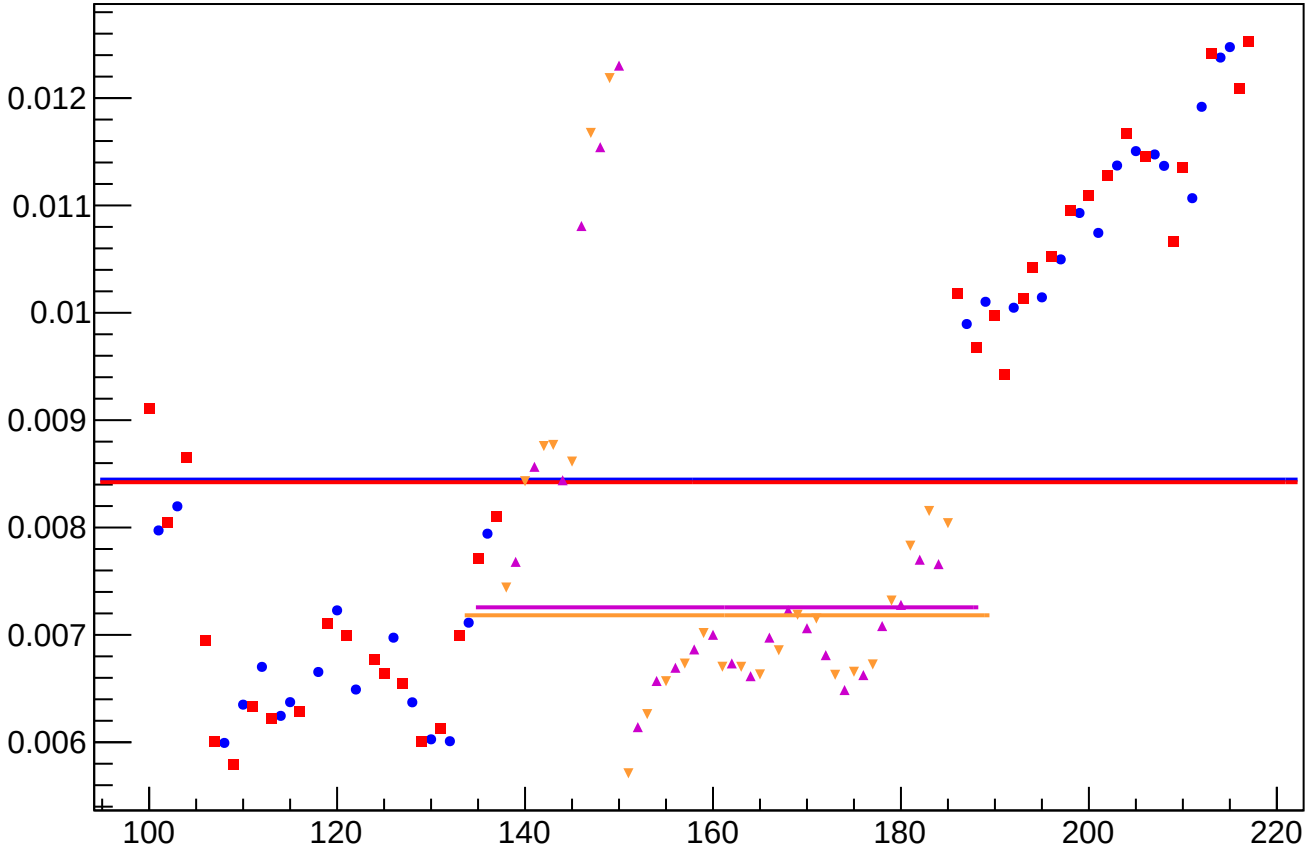
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.027+/-0.000 χ^2/NDF: 170227918909.8/55

All: 1.021+/-0.000 χ^2/NDF: 335311325042.0

- sign 1.014+/-0.000 χ^2/NDF: 165026338238.3/58

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2441770.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2649831.4/35

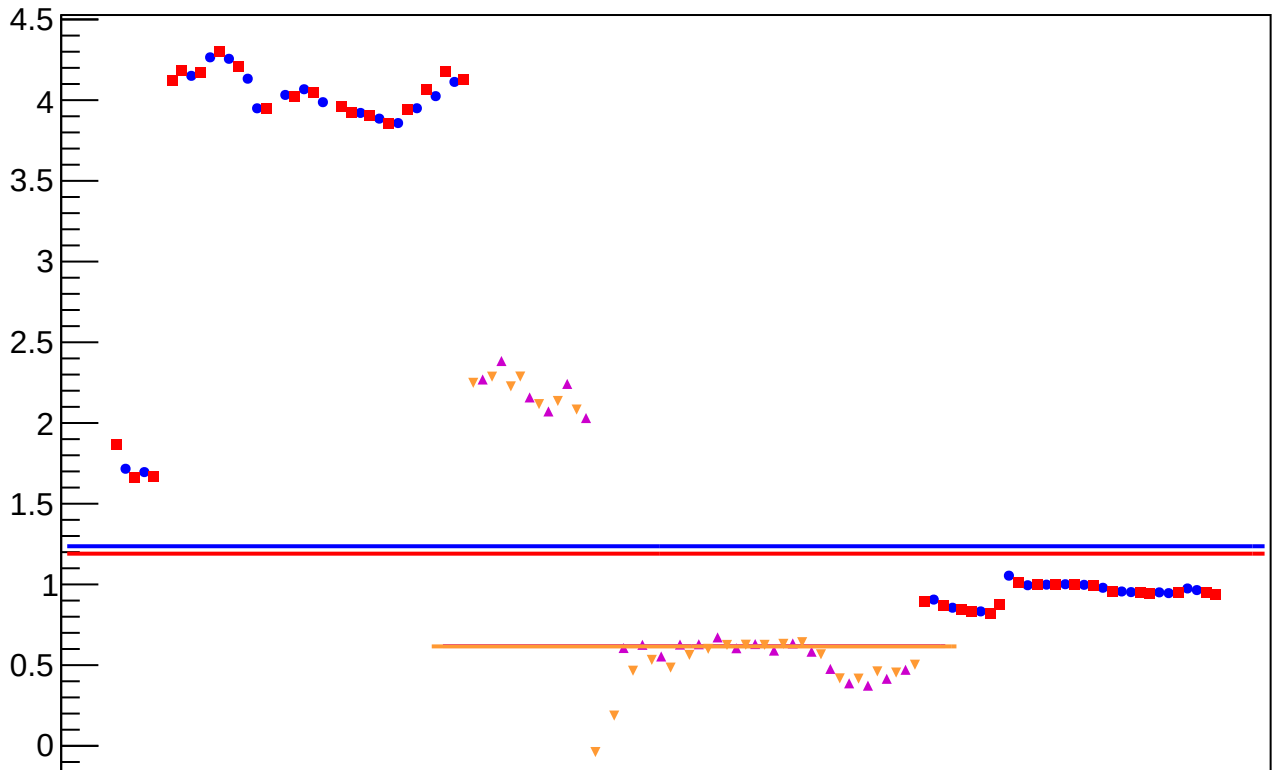
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 3807301.1/55

All: 0.008+/-0.000 χ^2/NDF: 7783020.4/114

- sign 0.008+/-0.000 χ^2/NDF: 3972231.9/58

yield_bpm1i04Y_mean vs Slug



Right In: 1.236+/-0.000 χ^2/NDF: 1637819585637.4/30

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.191+/-0.000 χ^2/NDF: 1805427257250.6/35

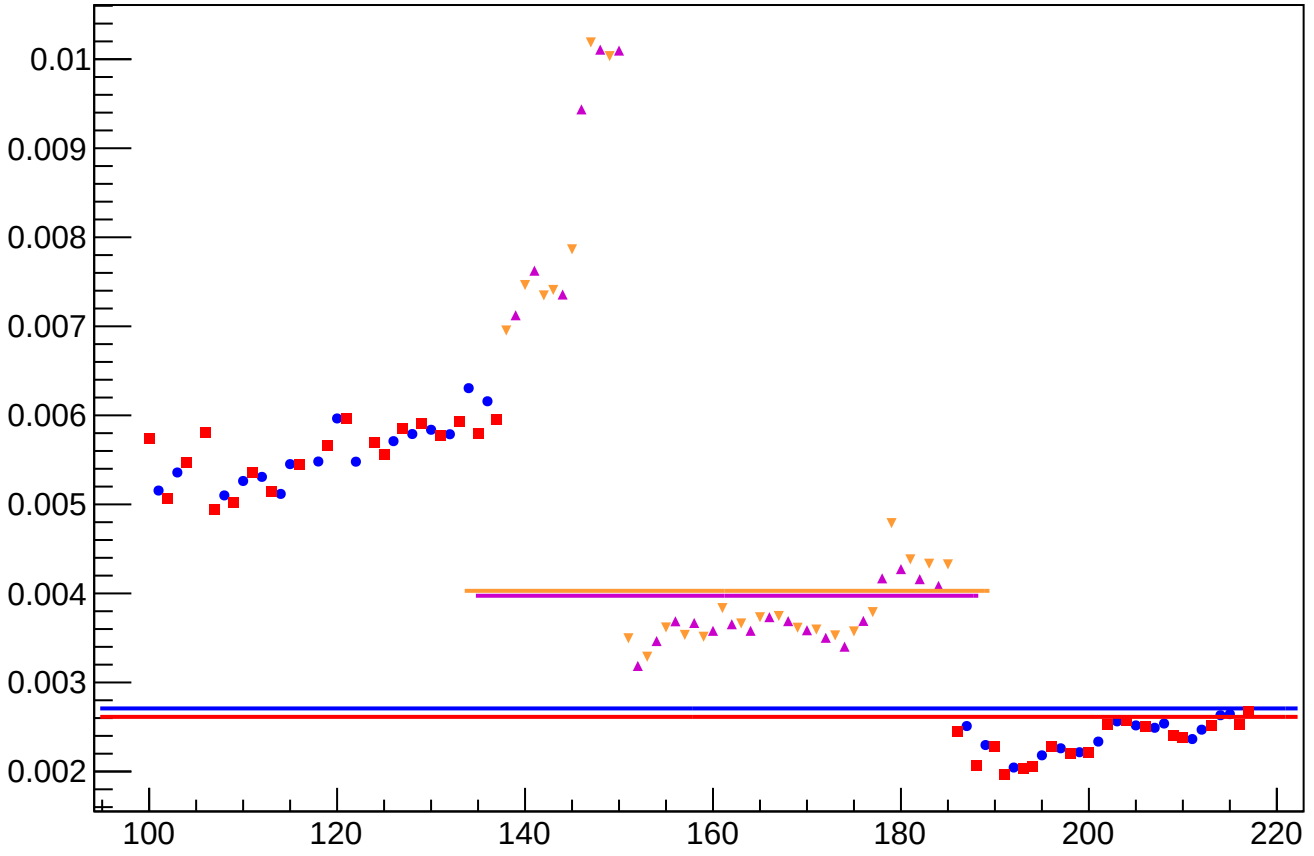
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.035+/-0.000 χ^2/NDF: 2164418002632.8/55

All: 1.030+/-0.000 χ^2/NDF: 4463443427513.

- sign 1.025+/-0.000 χ^2/NDF: 2298858745898.7/58

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4426052.9/30

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4715235.5/35

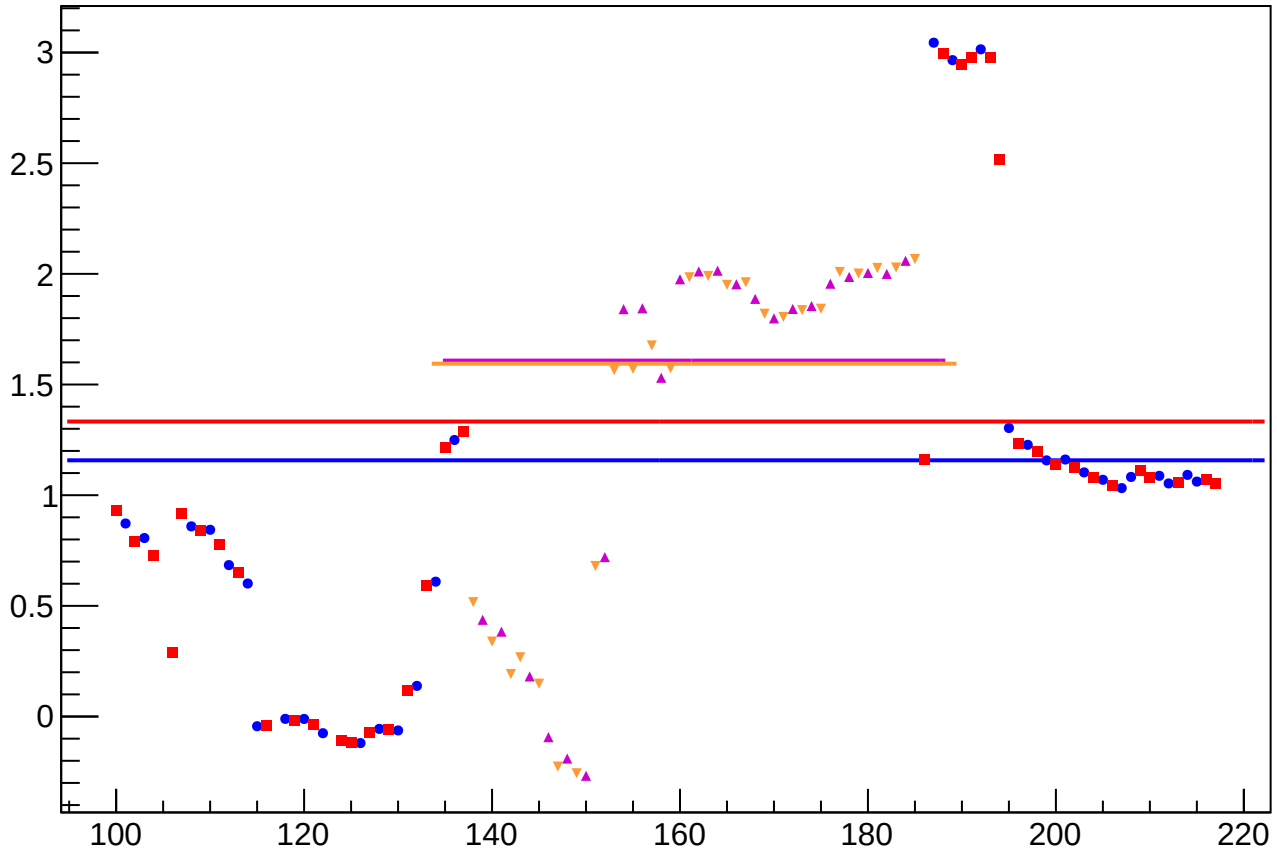
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9880740.9/55

All: 0.003+/-0.000 χ^2/NDF: 20479347.4/114

- sign 0.003+/-0.000 χ^2/NDF: 10540652.4/58

yield_bpm1i06X_mean vs Slug



Right In: 1.158+/-0.000 χ^2/NDF: 77912111355.5/30

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.333+/-0.000 χ^2/NDF: 107520823423.8/35

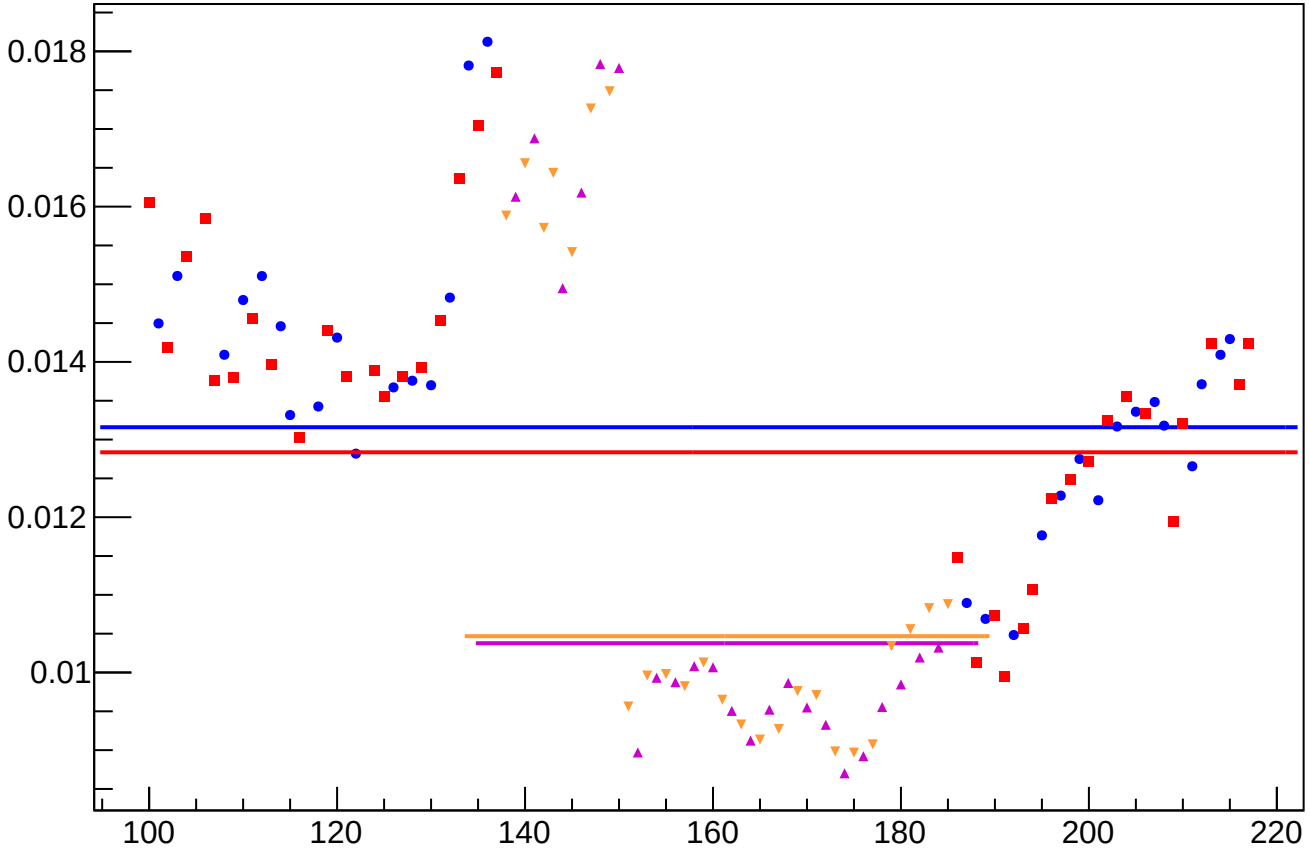
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.422+/-0.000 χ^2/NDF: 153075817052.6/55

All: 1.456+/-0.000 χ^2/NDF: 332867840374.8

- sign 1.490+/-0.000 χ^2/NDF: 179158535662.1/58

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 531720.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 659624.4/35

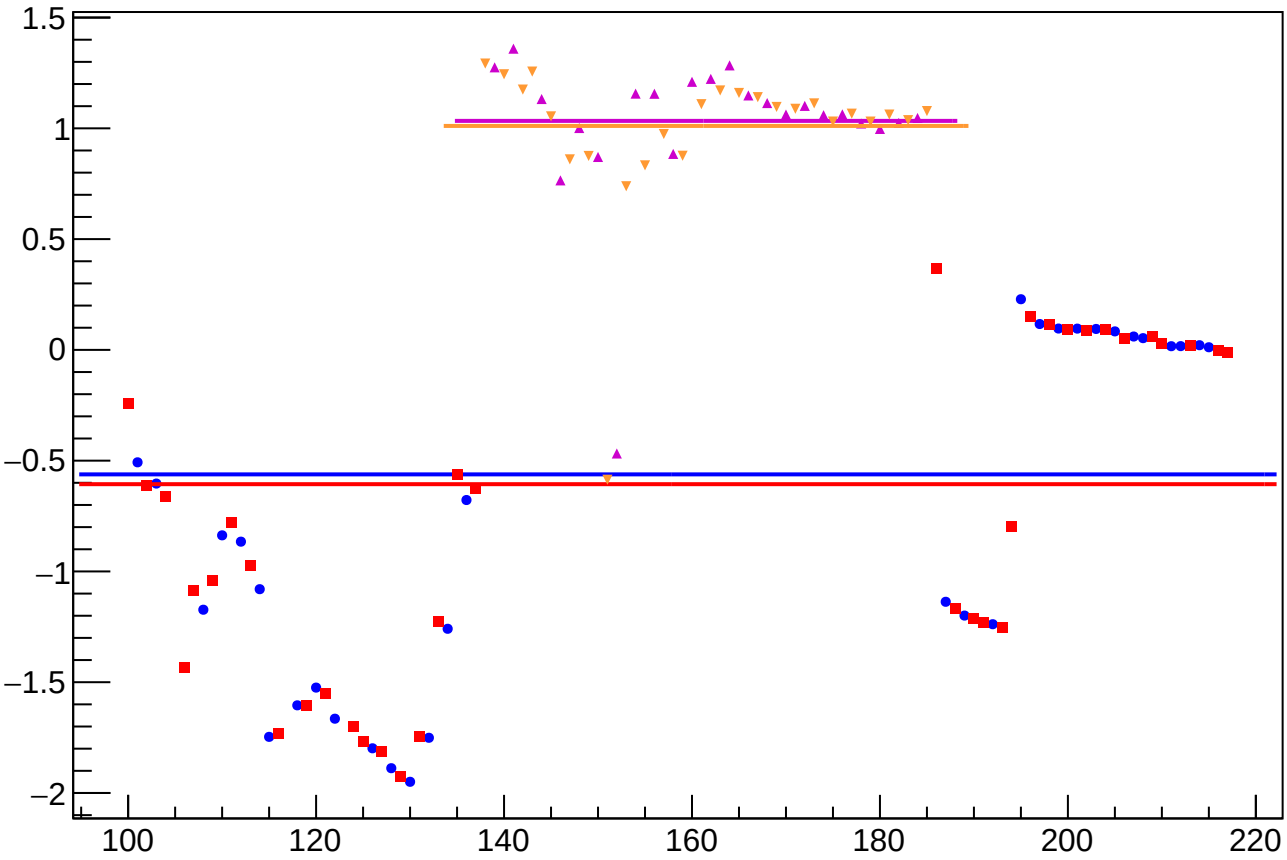
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3145290.1/55

All: 0.011+/-0.000 χ^2/NDF: 6353743.8/114

- sign 0.011+/-0.000 χ^2/NDF: 3206050.0/58

yield_bpm1i06Y_mean vs Slug



Right In: -0.562+/-0.000 χ^2/NDF: 213722545714.9/30

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.606+/-0.000 χ^2/NDF: 205573831767.0/35

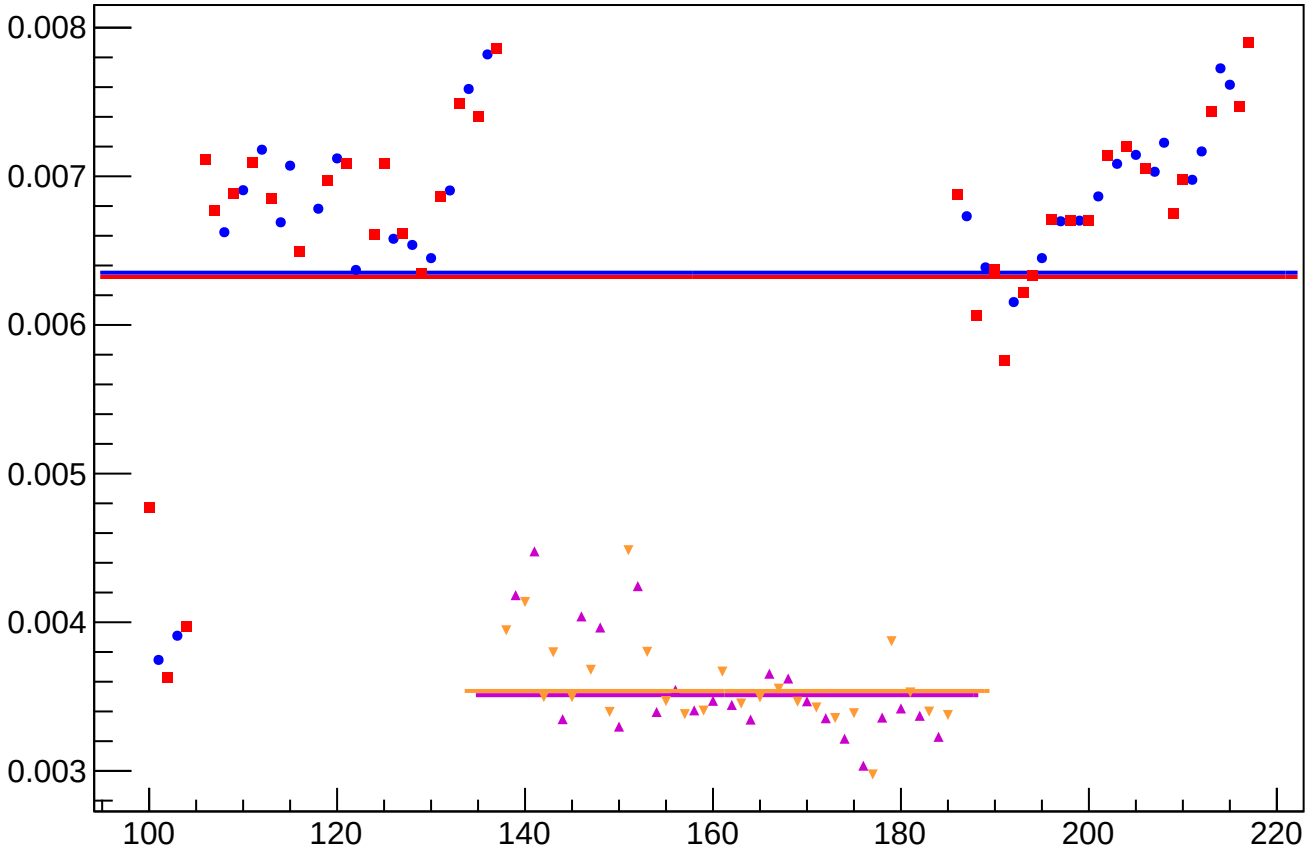
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.636+/-0.000 χ^2/NDF: 1153502223675.8/55

All: 0.621+/-0.000 χ^2/NDF: 2428929007763.

- sign 0.606+/-0.000 χ^2/NDF: 1274601000284.9/58

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1363154.2/30

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1406956.4/35

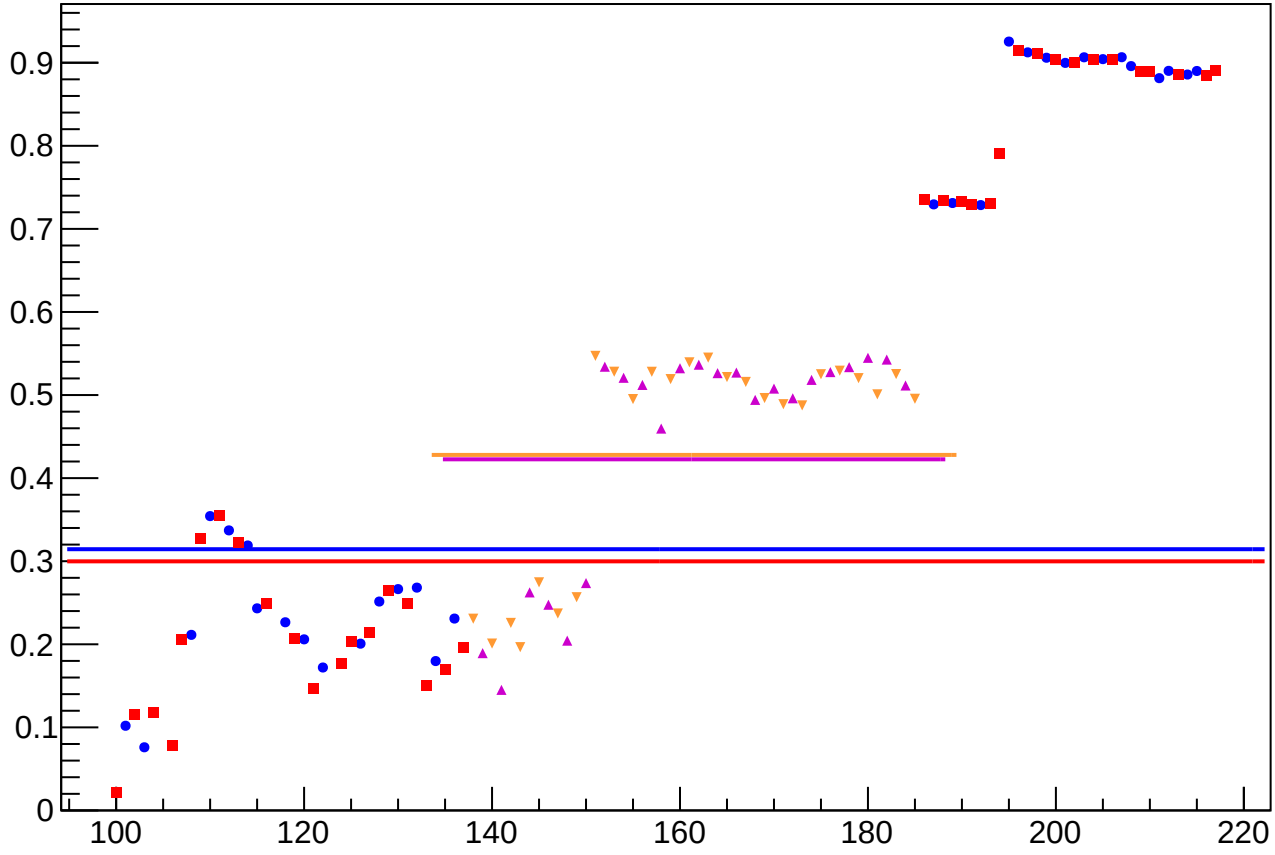
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 6883467.9/55

All: 0.004+/-0.000 χ^2/NDF: 14132186.9/114

- sign 0.004+/-0.000 χ^2/NDF: 7246518.1/58

yield_bpm2i01X_mean vs Slug



Right In: 0.314+/-0.000 χ^2/NDF: 236675362545.2/30

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.300+/-0.000 χ^2/NDF: 258587703437.1/35

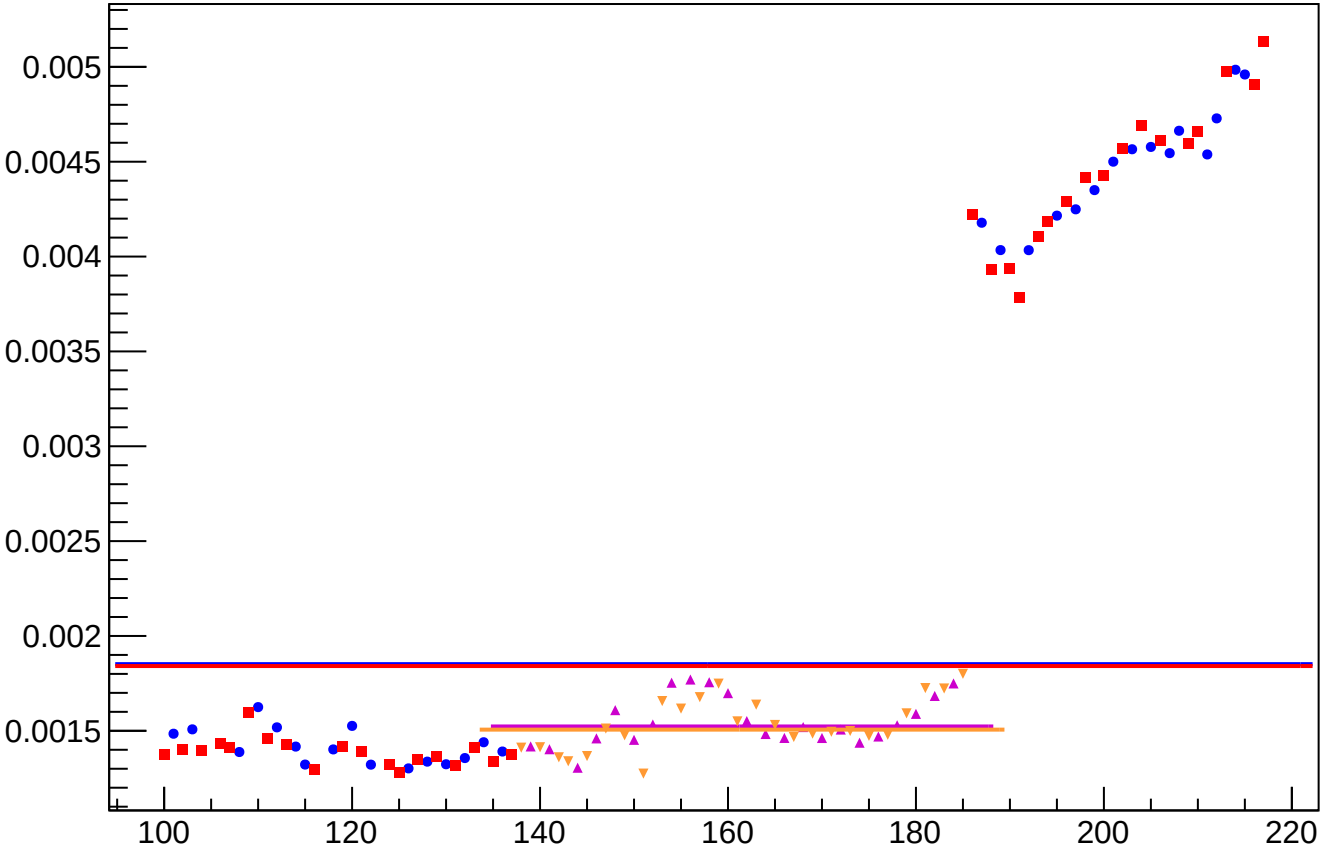
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.391+/-0.000 χ^2/NDF: 426013353982.6/55

All: 0.384+/-0.000 χ^2/NDF: 886393285289.0

- sign 0.378+/-0.000 χ^2/NDF: 459360383319.6/58

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9706309.7/30

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

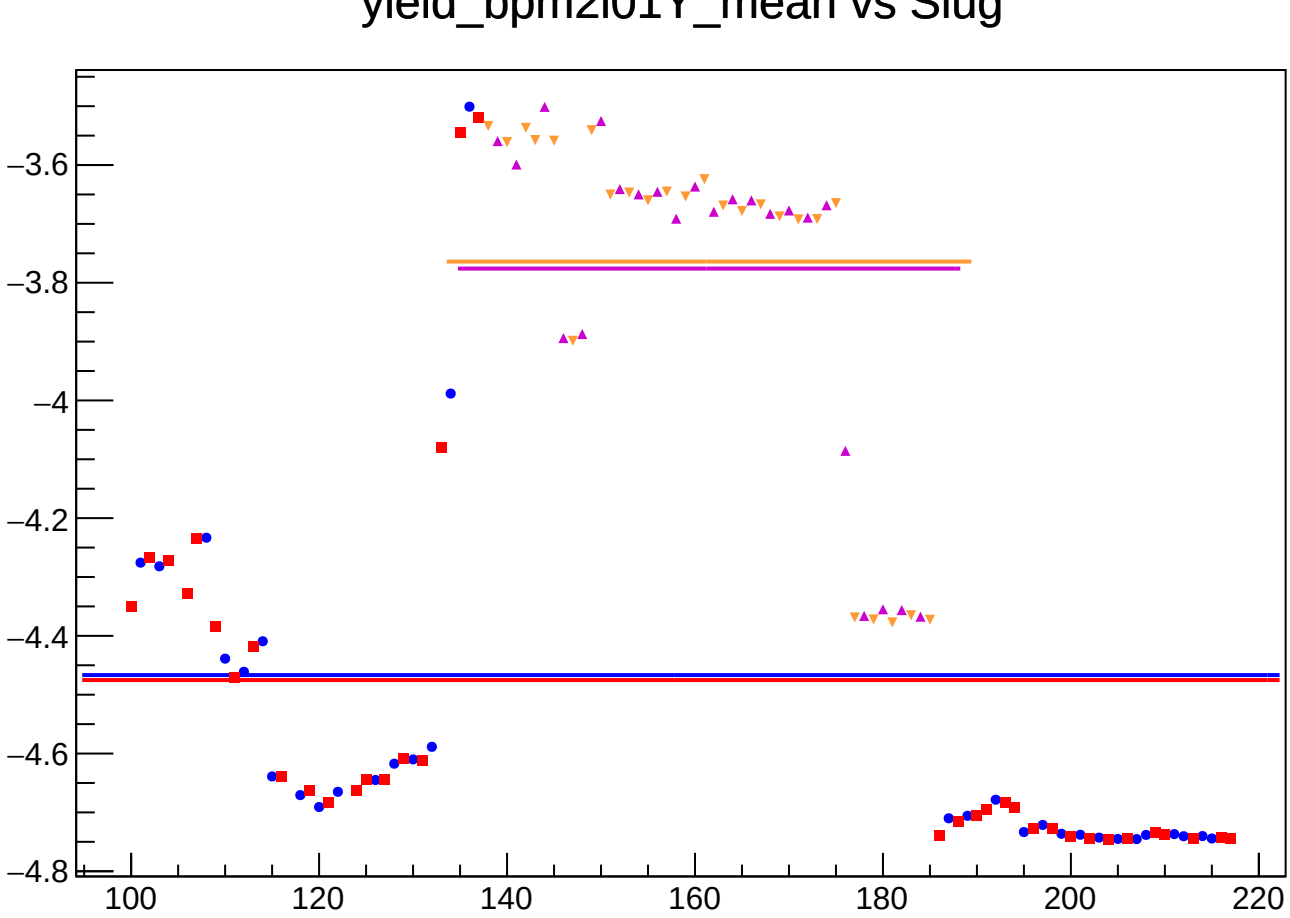
Right Out: 0.002+/-0.000 χ^2/NDF: 10634677.5/35

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 10642302.5/55

All: 0.002+/-0.000 χ^2/NDF: 22090207.7/114

- sign 0.002+/-0.000 χ^2/NDF: 11443187.0/58



Right In: -4.467+/-0.000 χ^2/NDF: 449005093516.6/30

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.475+/-0.000 χ^2/NDF: 400083413171.4/35

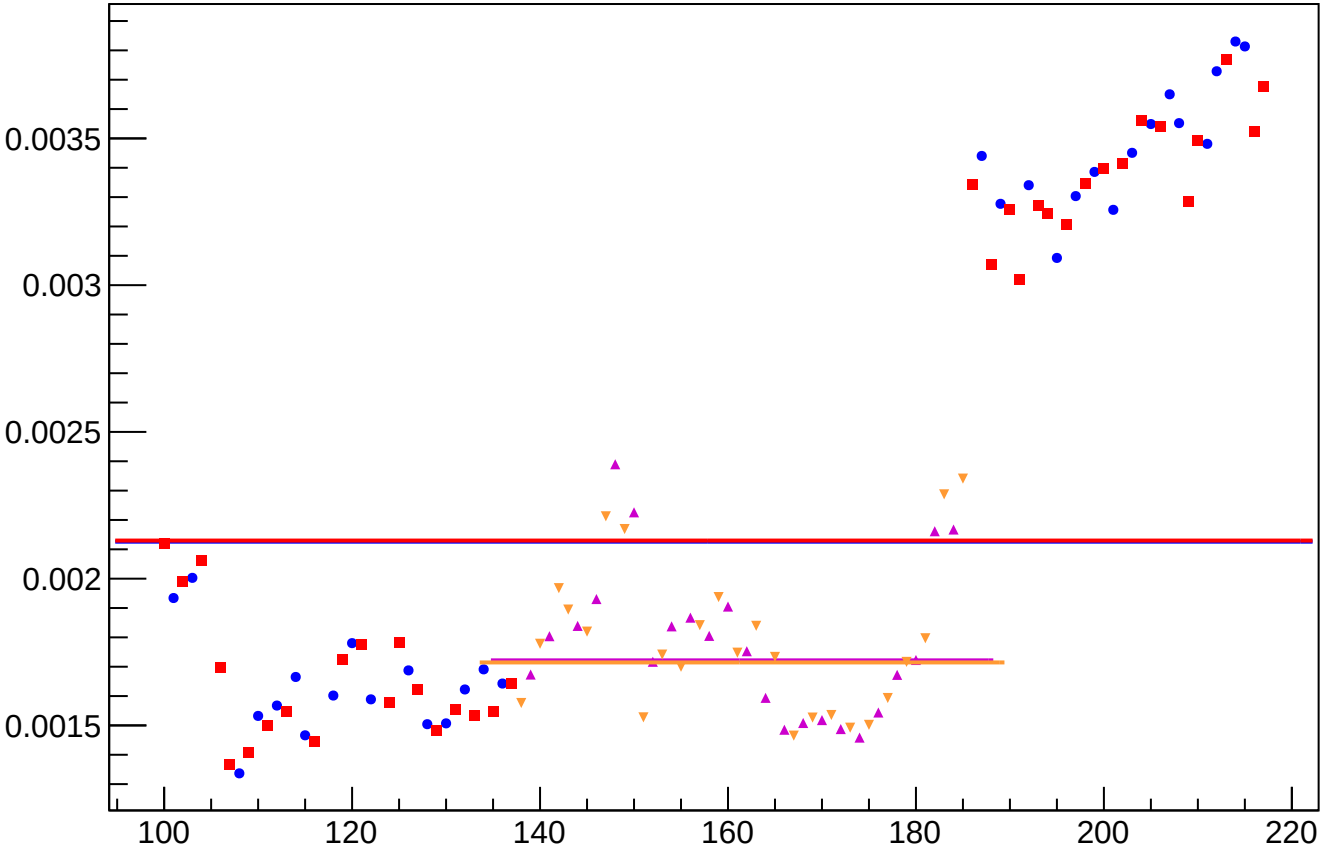
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.020+/-0.000 χ^2/NDF: 2066213261455.8/5

All: -4.036+/-0.000 χ^2/NDF: 4022759763753

- sign -4.053+/-0.000 χ^2/NDF: 1951101894017.3/58

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5104979.0/30

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

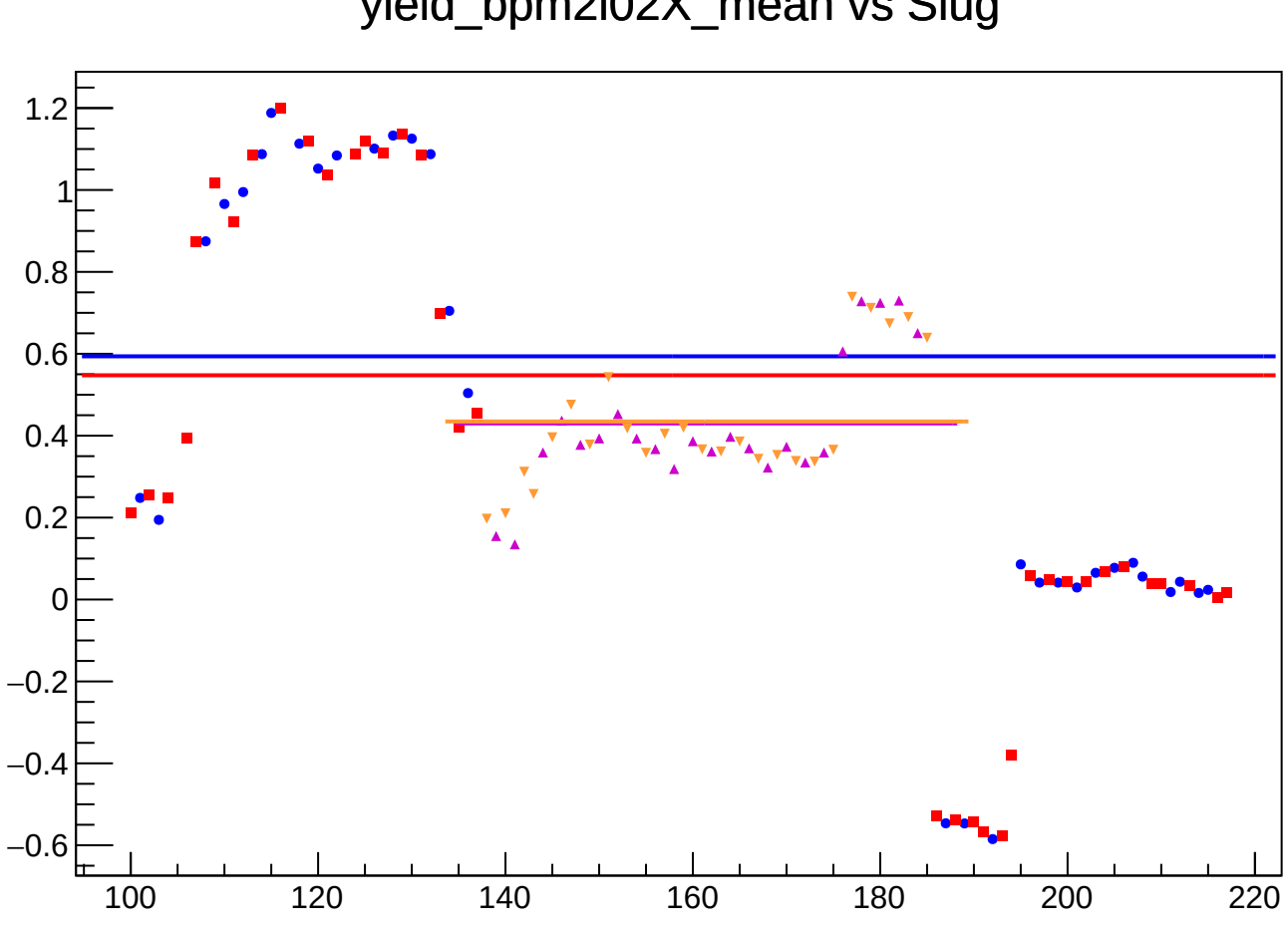
Right Out: 0.002+/-0.000 χ^2/NDF: 5329446.4/35

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 6444772.7/55

All: 0.002+/-0.000 χ^2/NDF: 13142505.4/114

- sign 0.002+/-0.000 χ^2/NDF: 6694158.7/58



Right In: 0.594+/-0.000 χ^2/NDF: 75688423845.2/30

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.548+/-0.000 χ^2/NDF: 94684996354.4/35

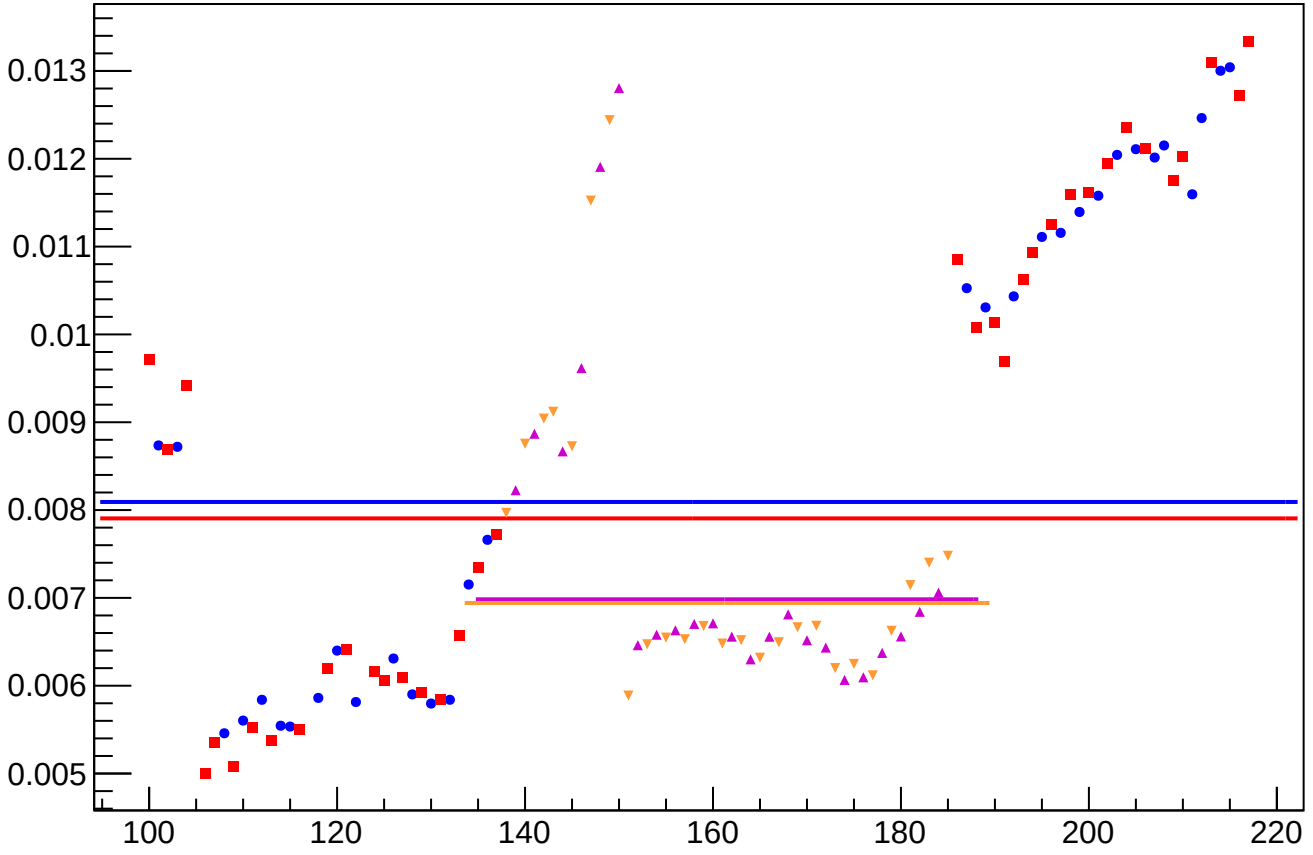
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.499+/-0.000 χ^2/NDF: 88174486659.9/55

All: 0.491+/-0.000 χ^2/NDF: 194231193736.4

- sign 0.482+/-0.000 χ^2/NDF: 105966637302.4/58

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3779761.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

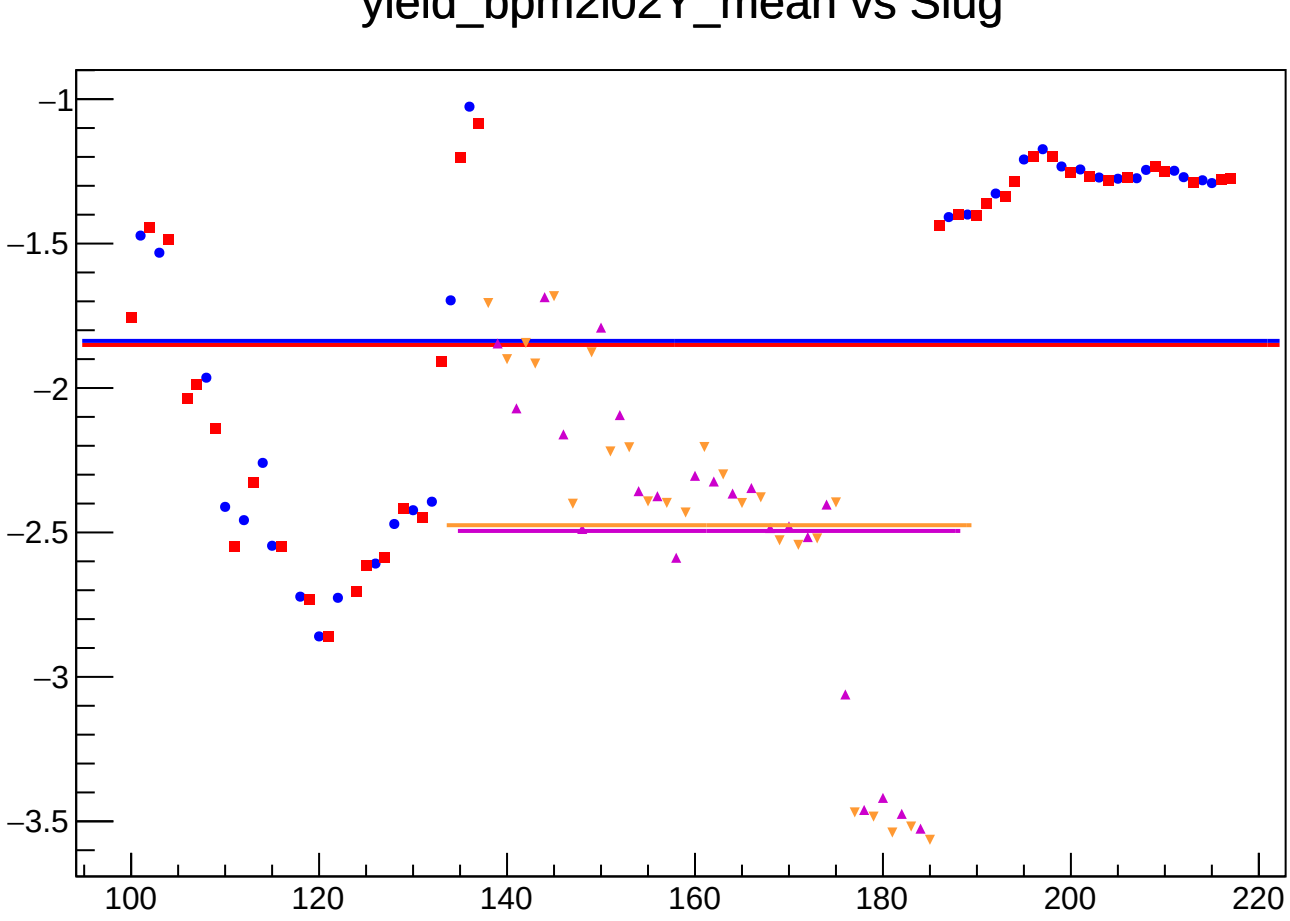
Right Out: 0.008+/-0.000 χ^2/NDF: 4471101.4/35

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 5285983.4/55

All: 0.007+/-0.000 χ^2/NDF: 11168666.3/114

- sign 0.007+/-0.000 χ^2/NDF: 5882597.7/58



Right In: -1.837+/-0.000 χ^2/NDF: 120977097989.6/30

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.851+/-0.000 χ^2/NDF: 120242577521.4/35

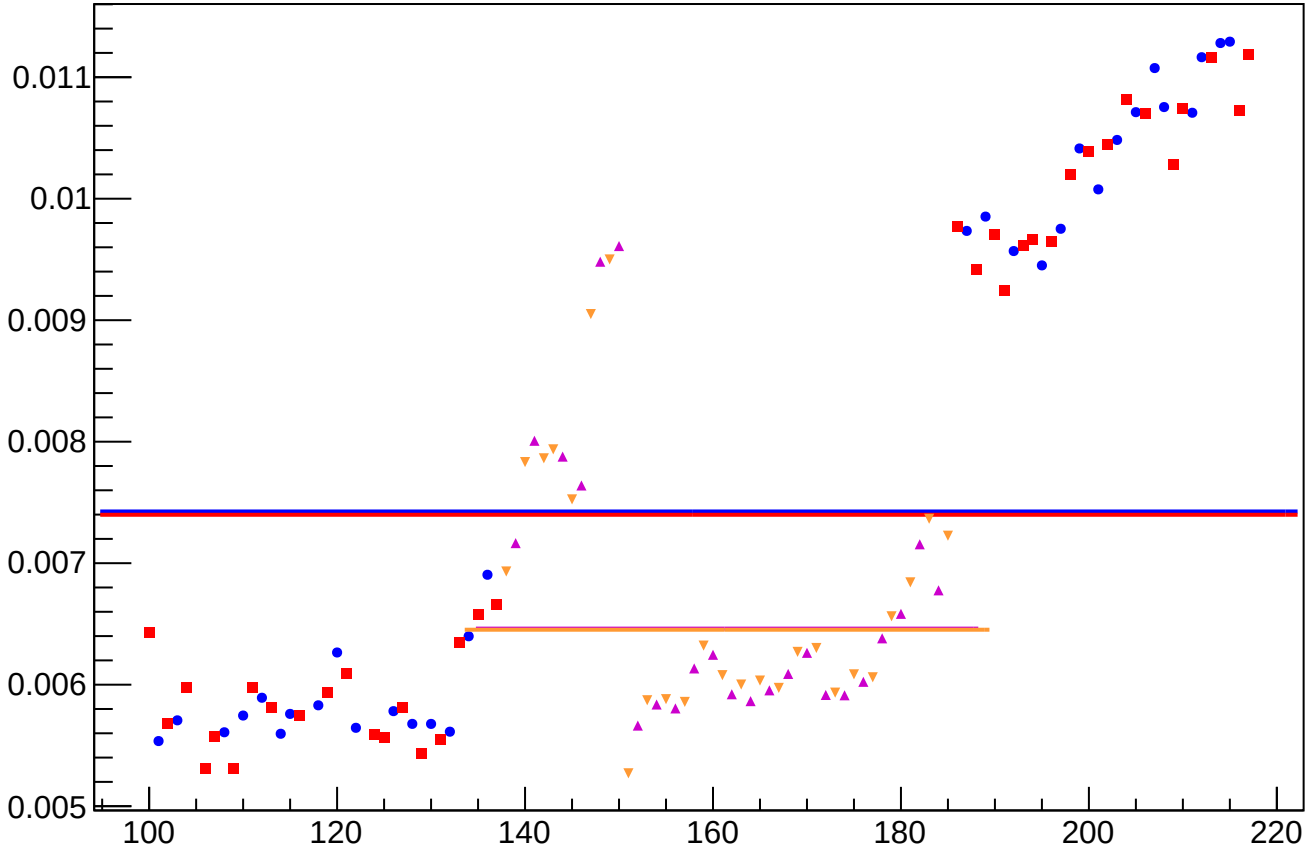
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.211+/-0.000 χ^2/NDF: 320418311798.9/55

All: -2.209+/-0.000 χ^2/NDF: 616981364073.6

- sign -2.207+/-0.000 χ^2/NDF: 296555964919.6/58

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 3136532.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

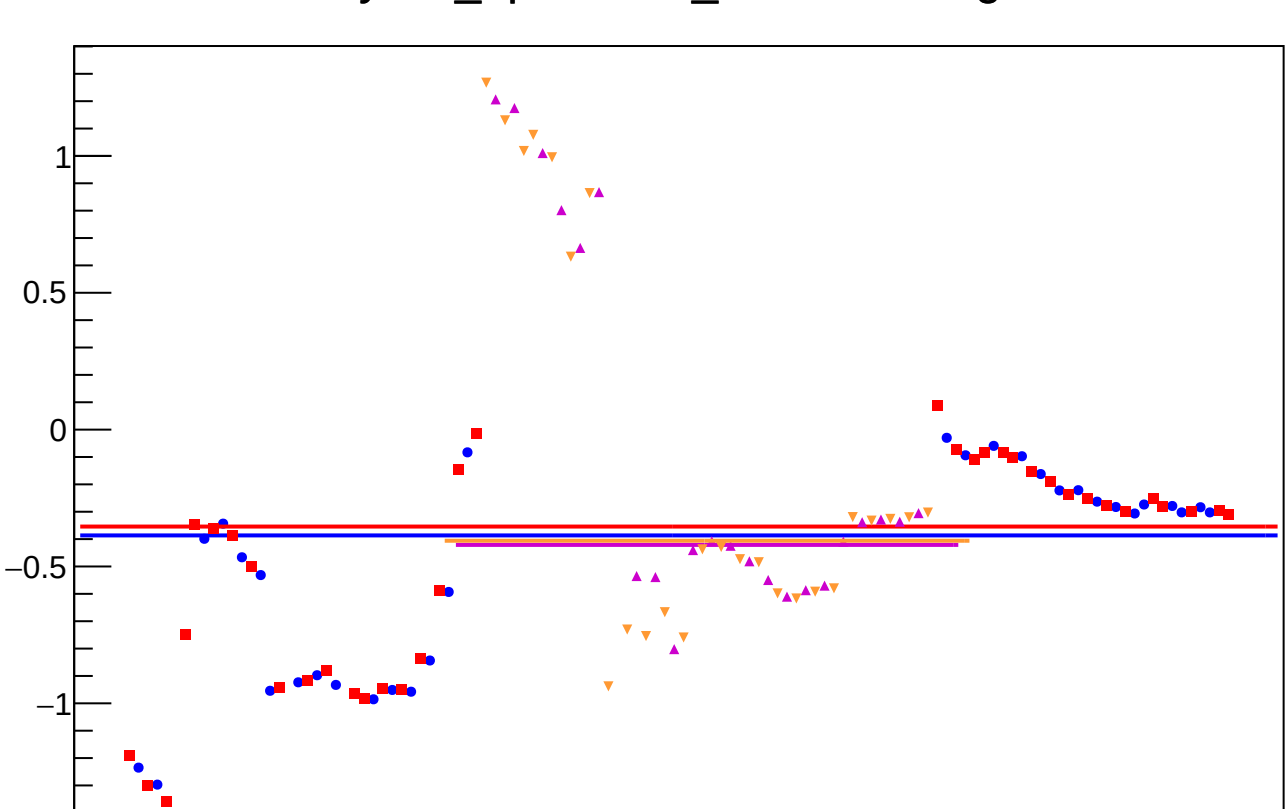
Right Out: 0.007+/-0.000 χ^2/NDF: 3296693.7/35

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 4205684.2/55

All: 0.007+/-0.000 χ^2/NDF: 8560558.4/114

- sign 0.007+/-0.000 χ^2/NDF: 4354360.0/58



Right In: -0.387+/-0.000 χ^2/NDF: 24662029251.1/30

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.354+/-0.000 χ^2/NDF: 27363591306.1/35

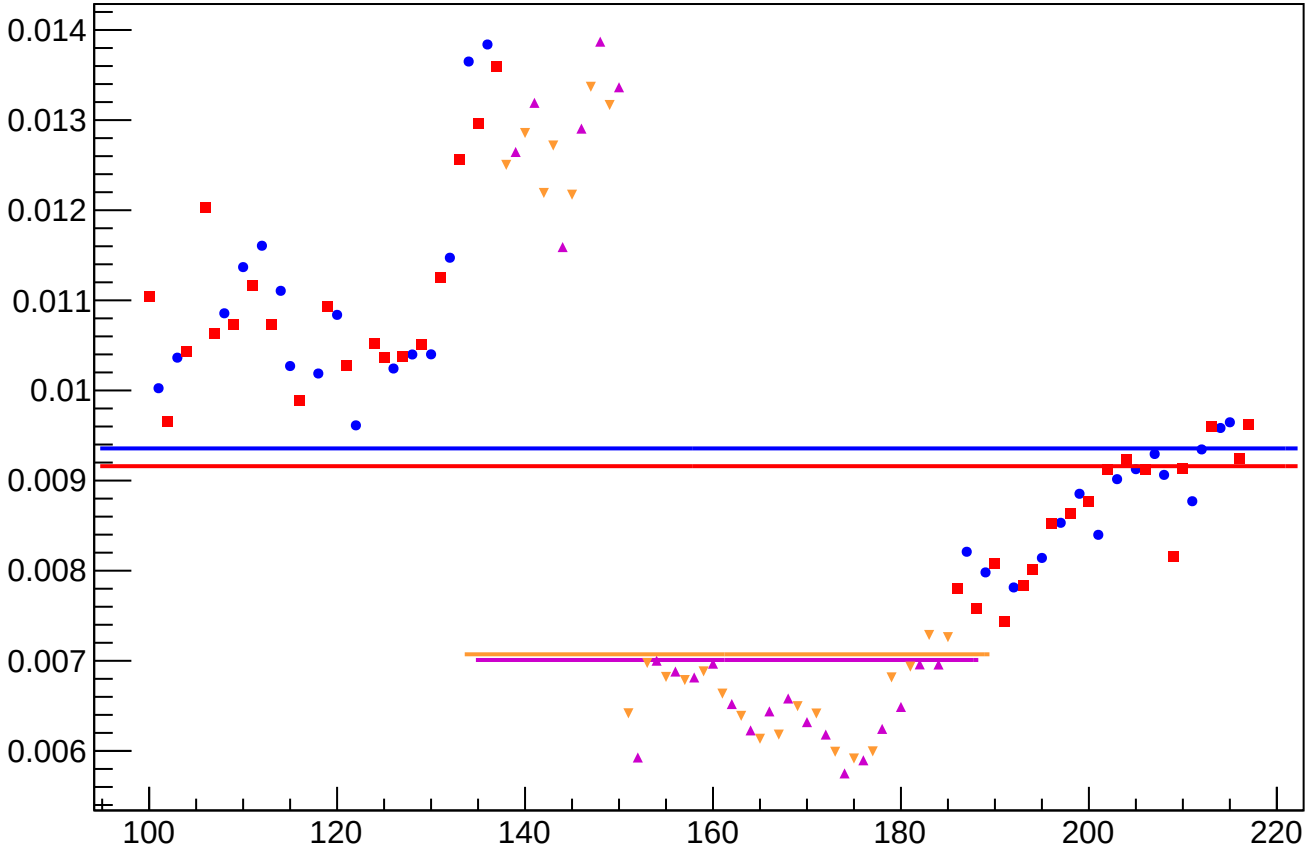
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.399+/-0.000 χ^2/NDF: 106345983542.9/55

All: -0.396+/-0.000 χ^2/NDF: 224587041780.6

- sign -0.394+/-0.000 χ^2/NDF: 118233942891.1/58

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 638548.1/30

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

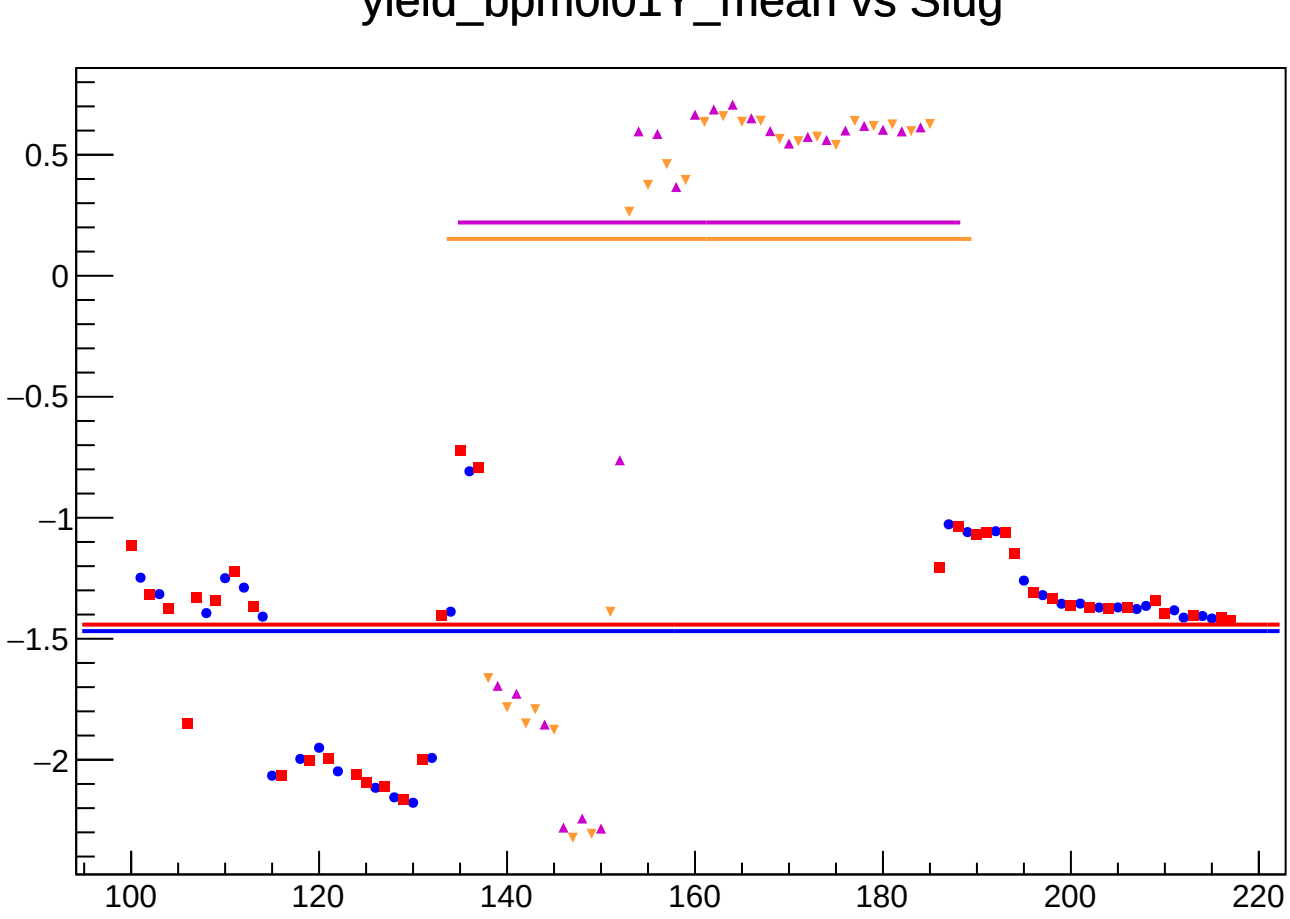
Right Out: 0.009+/-0.000 χ^2/NDF: 708370.2/35

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4412240.0/55

All: 0.008+/-0.000 χ^2/NDF: 8872076.1/114

- sign 0.008+/-0.000 χ^2/NDF: 4459036.3/58



Right In: -1.468+/-0.000 χ^2/NDF: 183897970193.0/30

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.442+/-0.000 χ^2/NDF: 172713261633.2/35

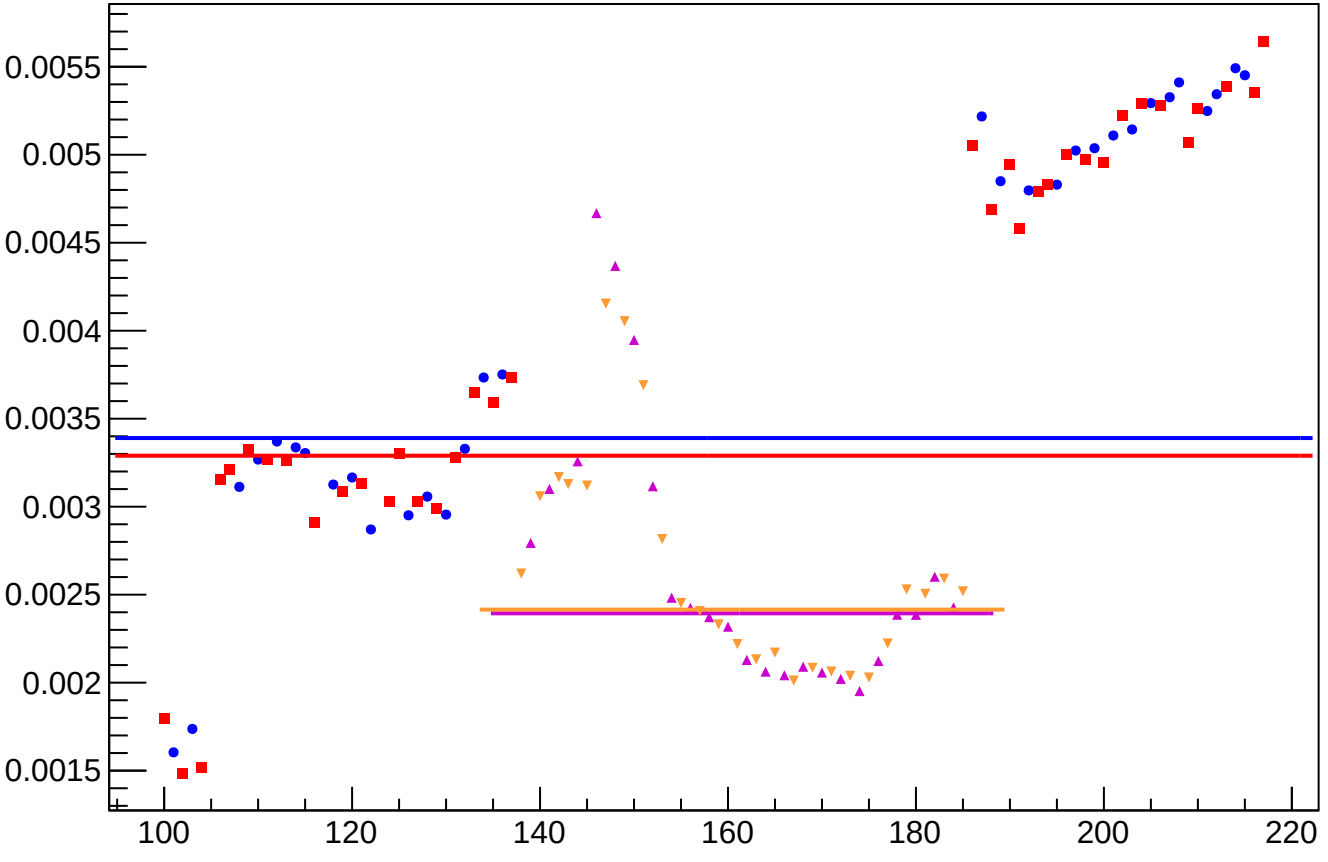
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.364+/-0.000 χ^2/NDF: 5031030729526.9/5

All: -0.364+/-0.000 χ^2/NDF: 1003548269010

- sign -0.365+/-0.000 χ^2/NDF: 5004450966664.0/58

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5260297.7/30

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6368497.6/35

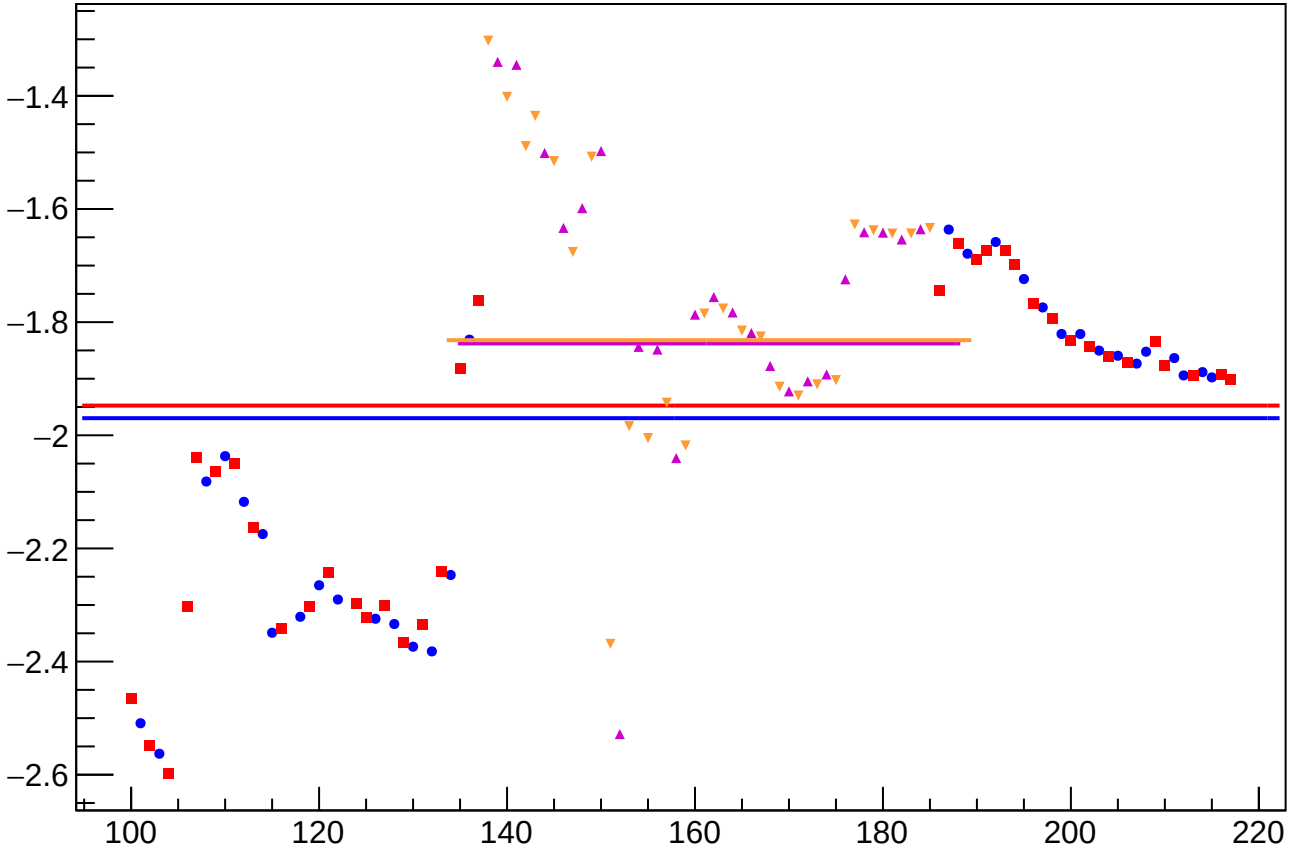
Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 8252753.7/55

All: 0.003+/-0.000 χ^2/NDF: 17606163.5/114

- sign 0.003+/-0.000 χ^2/NDF: 9352250.8/58

yield_bpm0i01aX_mean vs Slug



Right In: -1.970+/-0.000 χ^2/NDF: 34136240985.8/30

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

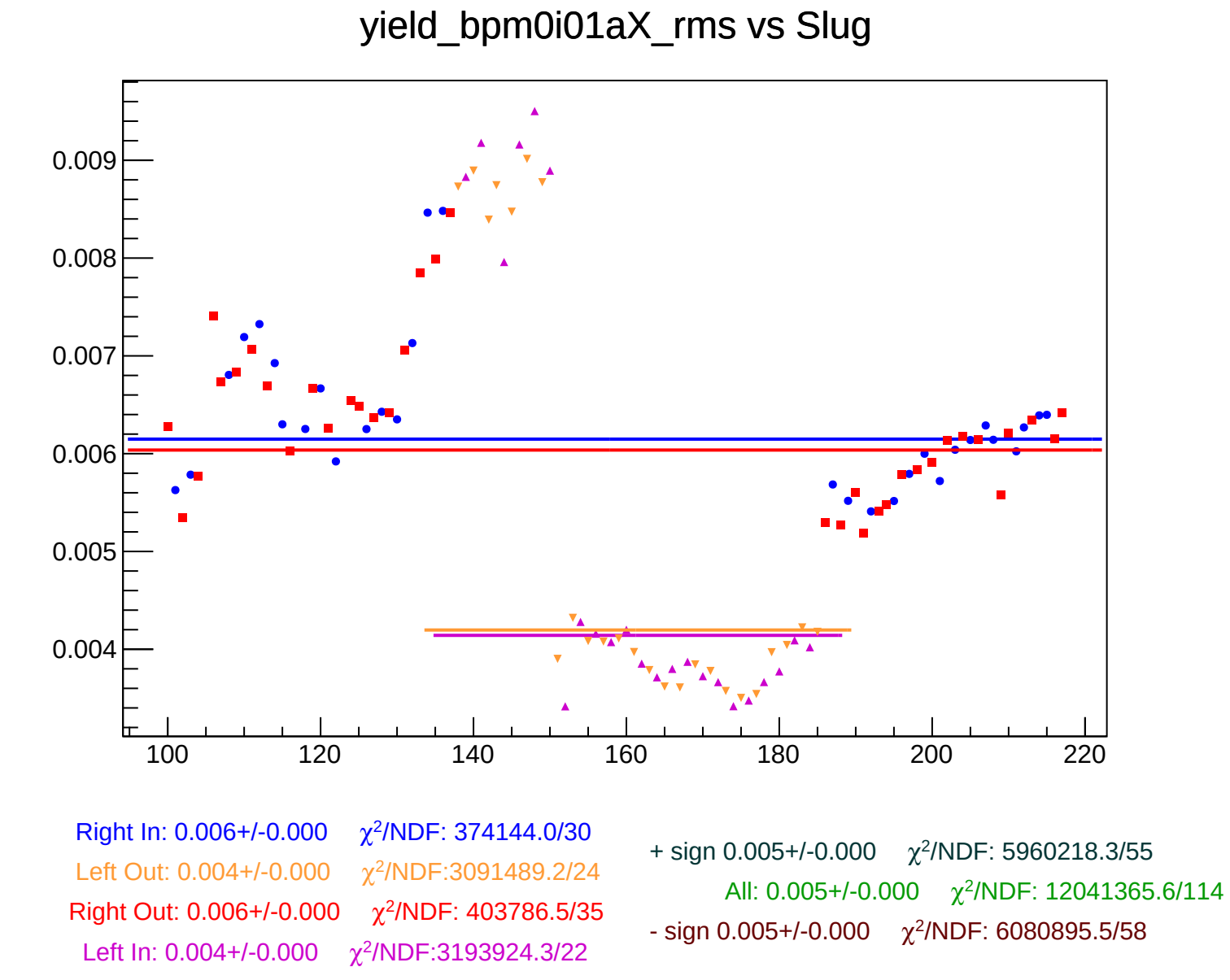
Right Out: -1.948+/-0.000 χ^2/NDF: 38106033603.7/35

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

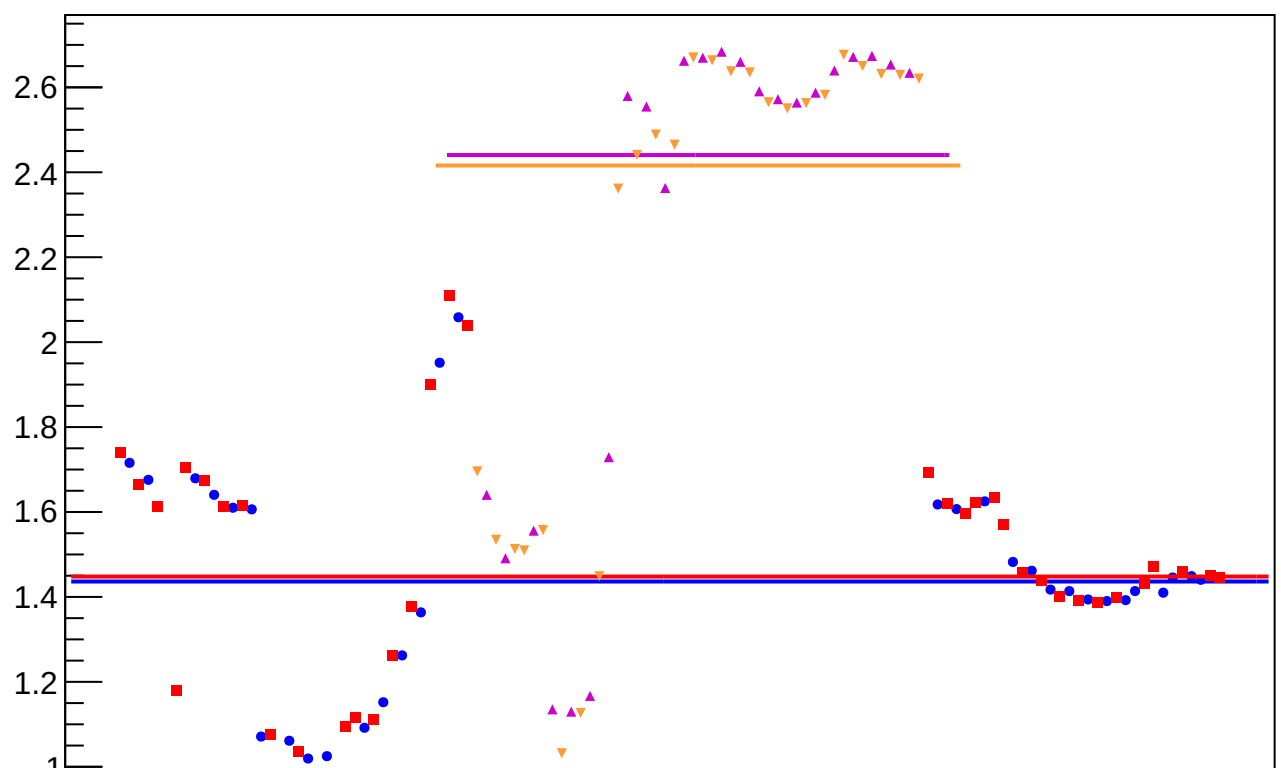
+ sign -1.878+/-0.000 χ^2/NDF: 78725287726.6/55

All: -1.878+/-0.000 χ^2/NDF: 174446520437.4

- sign -1.878+/-0.000 χ^2/NDF: 95721219530.0/58


yield_bpm0i01aX_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
100
120
140
160
180
200
220
Right In: 0.006+/-0.000 χ²/NDF: 374144.0/30
Left Out: 0.004+/-0.000 χ²/NDF:3091489.2/24
Right Out: 0.006+/-0.000 χ²/NDF: 403786.5/35
Left In: 0.004+/-0.000 χ²/NDF:3193924.3/22
+ sign 0.005+/-0.000 χ²/NDF: 5960218.3/55
All: 0.005+/-0.000 χ²/NDF: 12041365.6/114
- sign 0.005+/-0.000 χ²/NDF: 6080895.5/58

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191505833017.0/30

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186652076596.8/35

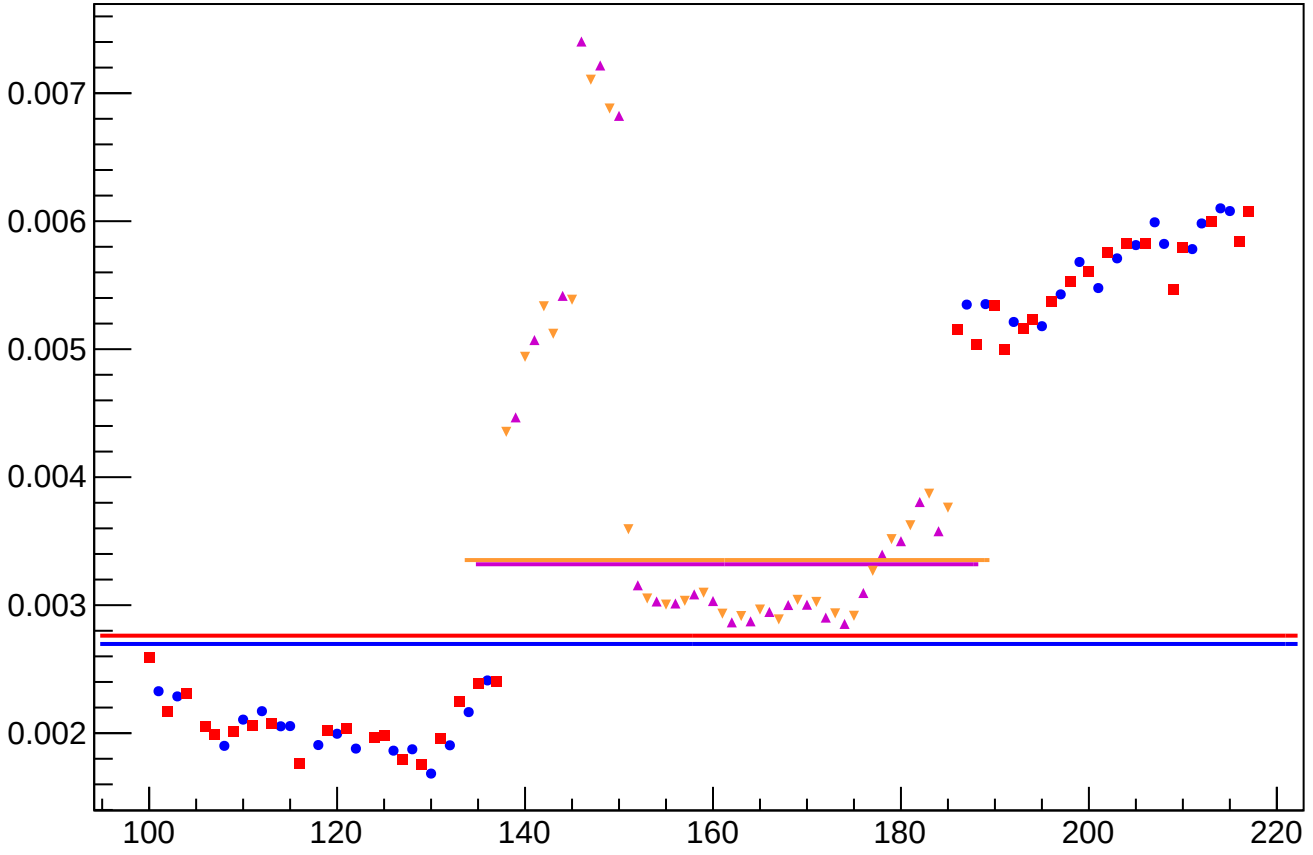
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.865+/-0.000 χ^2/NDF: 1272828380604.5/55

All: 1.864+/-0.000 χ^2/NDF: 2539866613554.

- sign 1.864+/-0.000 χ^2/NDF: 1267036288985.1/58

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 8223368.7/30

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

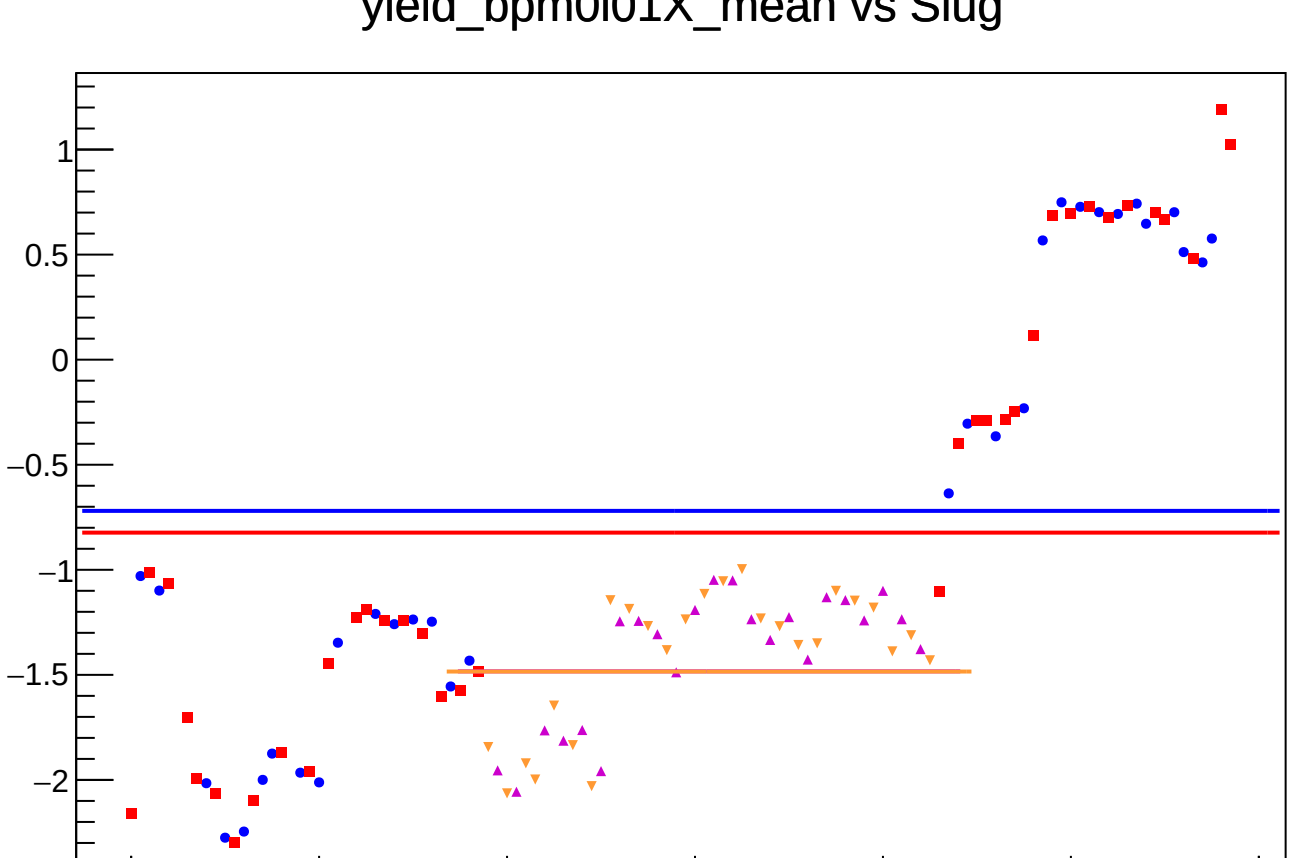
Right Out: 0.003+/-0.000 χ^2/NDF: 8480416.3/35

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 10793881.1/55

All: 0.003+/-0.000 χ^2/NDF: 21866574.2/114

- sign 0.003+/-0.000 χ^2/NDF: 11072199.1/58



Right In: -0.720+/-0.000 χ^2/NDF: 251570540118.5/30

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.823+/-0.000 χ^2/NDF: 304003241552.6/35

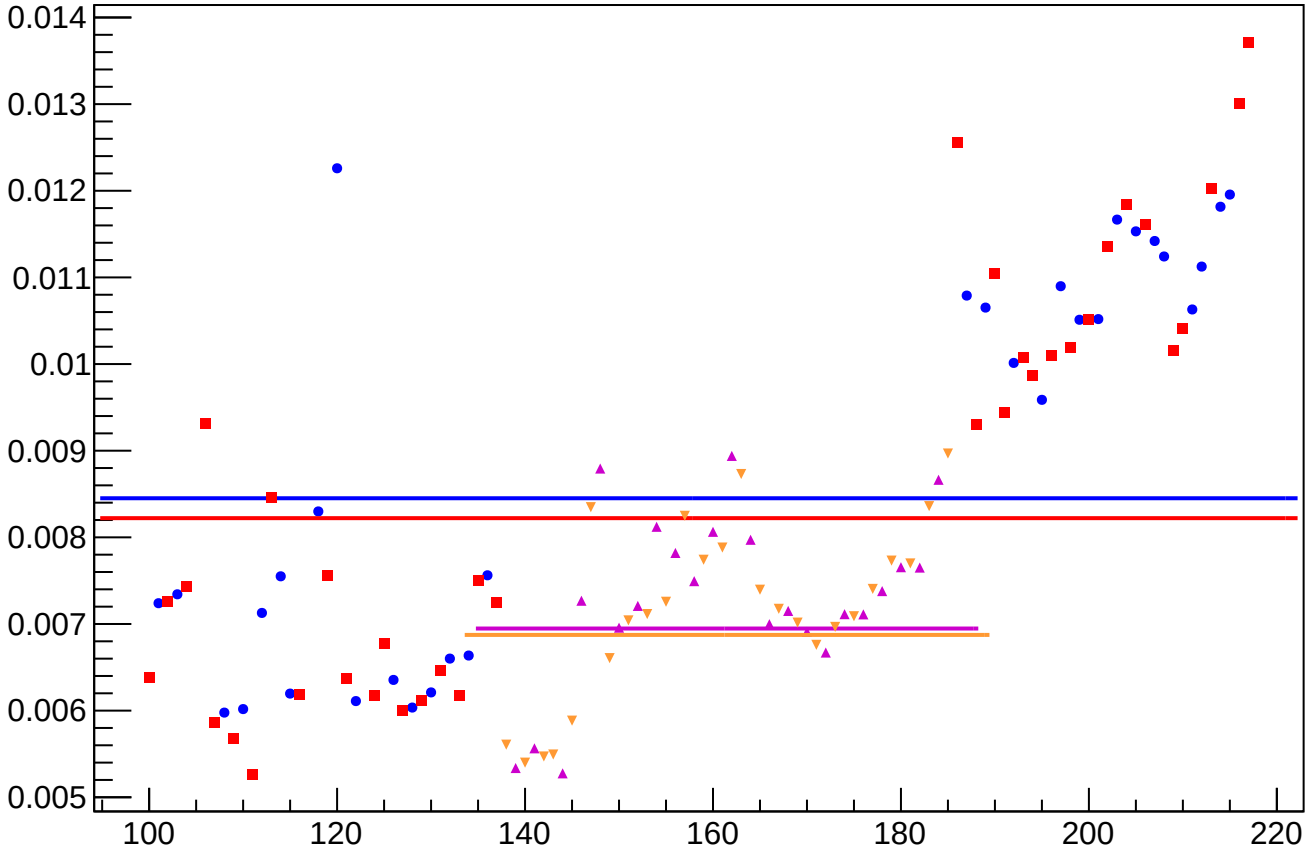
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.190+/-0.000 χ^2/NDF: 386244543391.8/55

All: -1.193+/-0.000 χ^2/NDF: 797435718716.1

- sign -1.196+/-0.000 χ^2/NDF: 411178110000.1/58

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2306415.1/30

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

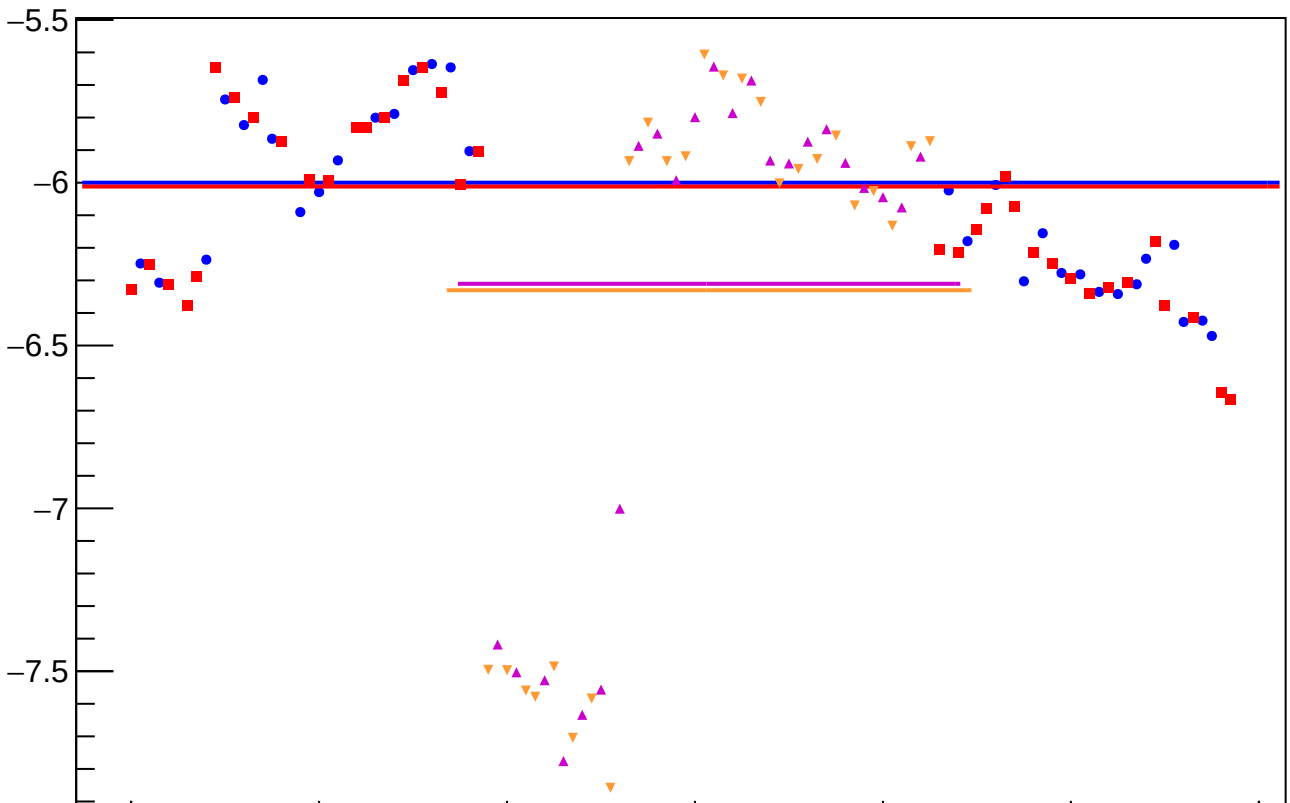
Right Out: 0.008+/-0.000 χ^2/NDF: 2868916.7/35

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 3785945.0/55

All: 0.007+/-0.000 χ^2/NDF: 7899327.2/114

- sign 0.008+/-0.000 χ^2/NDF: 4113128.1/58



Right In: -6.000+/-0.000 χ^2/NDF: 18252784079.0/30

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.012+/-0.000 χ^2/NDF: 20602451027.9/35

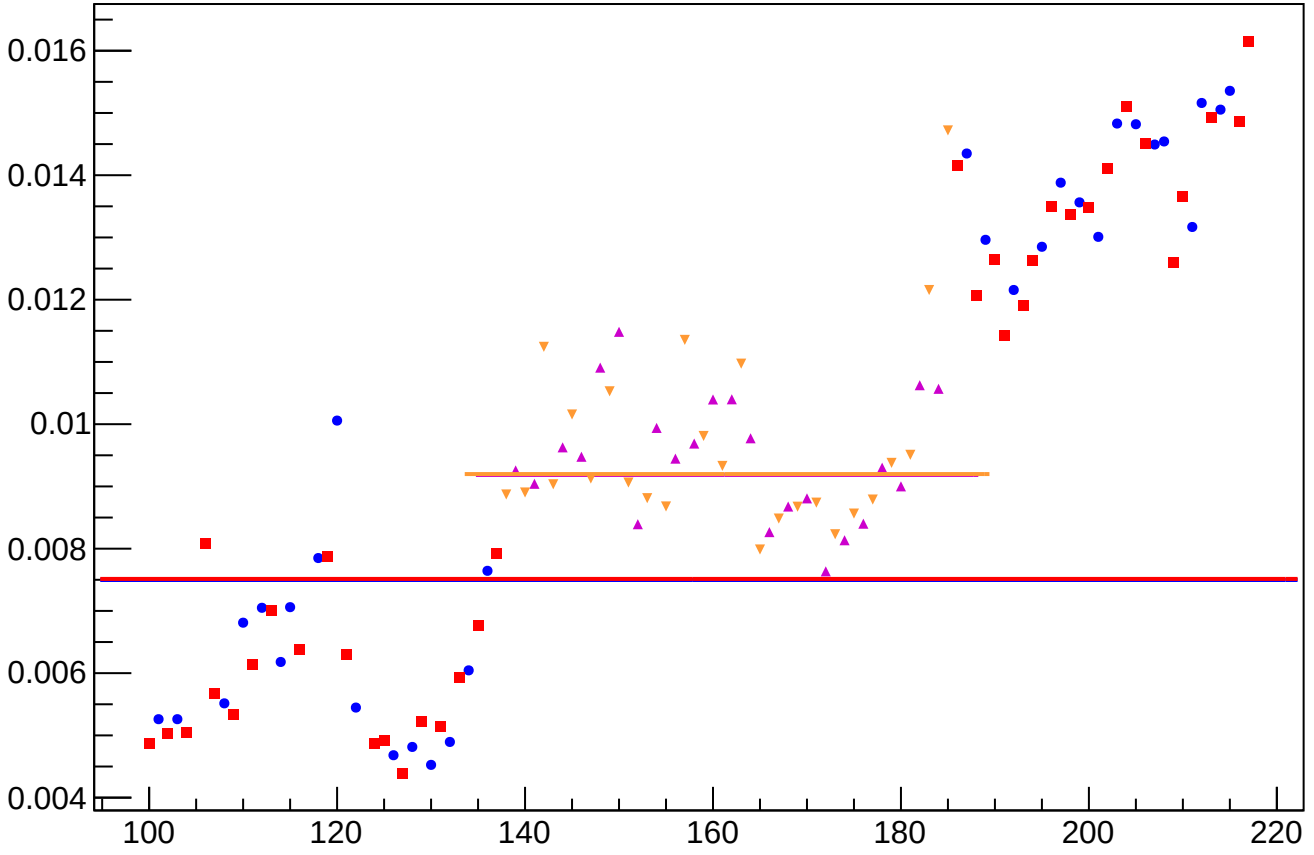
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.140+/-0.000 χ^2/NDF: 140546737106.7/55

All: -6.135+/-0.000 χ^2/NDF: 262711561347.4

- sign -6.130+/-0.000 χ^2/NDF: 122139874330.3/58

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6984313.3/30

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

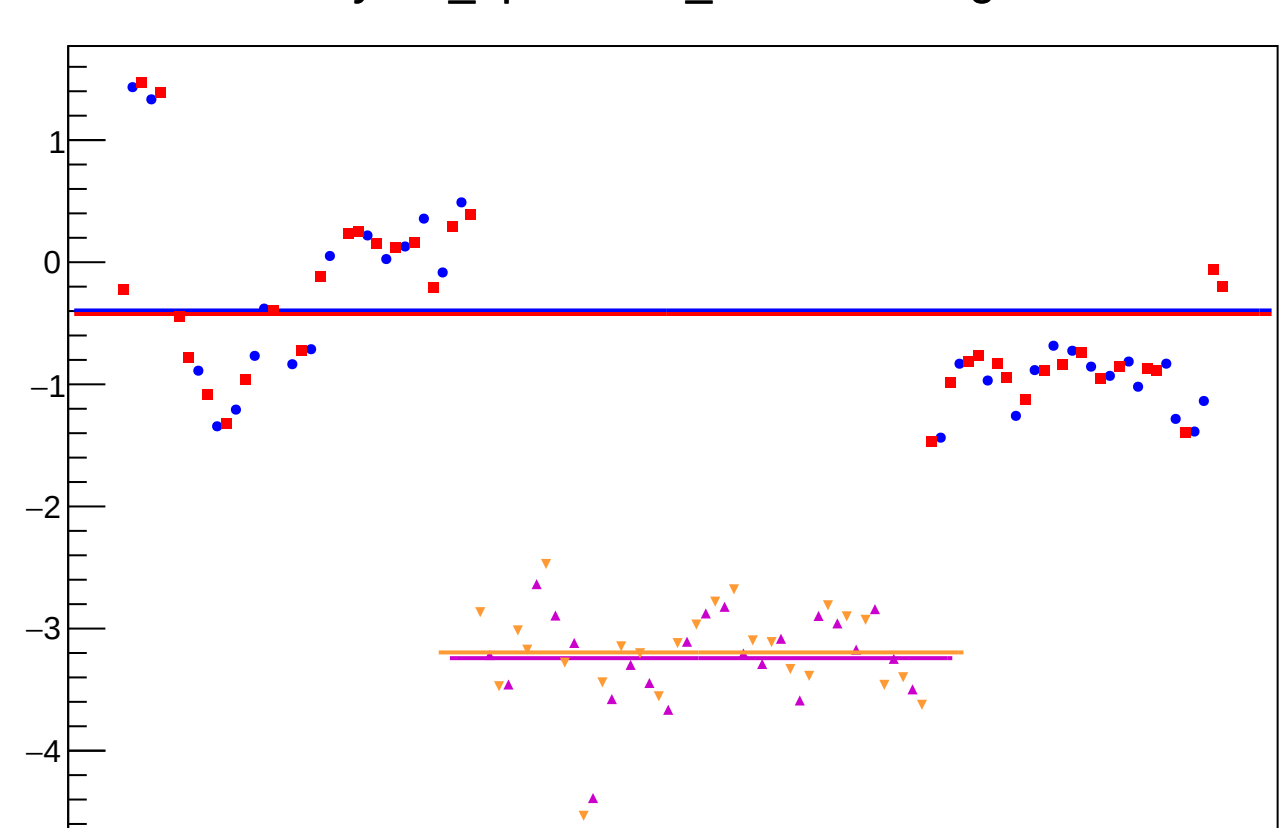
Right Out: 0.008+/-0.000 χ^2/NDF: 7132978.5/35

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 7986882.3/55

All: 0.008+/-0.000 χ^2/NDF: 16056202.8/114

- sign 0.008+/-0.000 χ^2/NDF: 8068367.1/58



Right In: -0.395+/-0.000 χ^2/NDF: 39792327247.0/30

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.424+/-0.000 χ^2/NDF: 38468238935.8/35

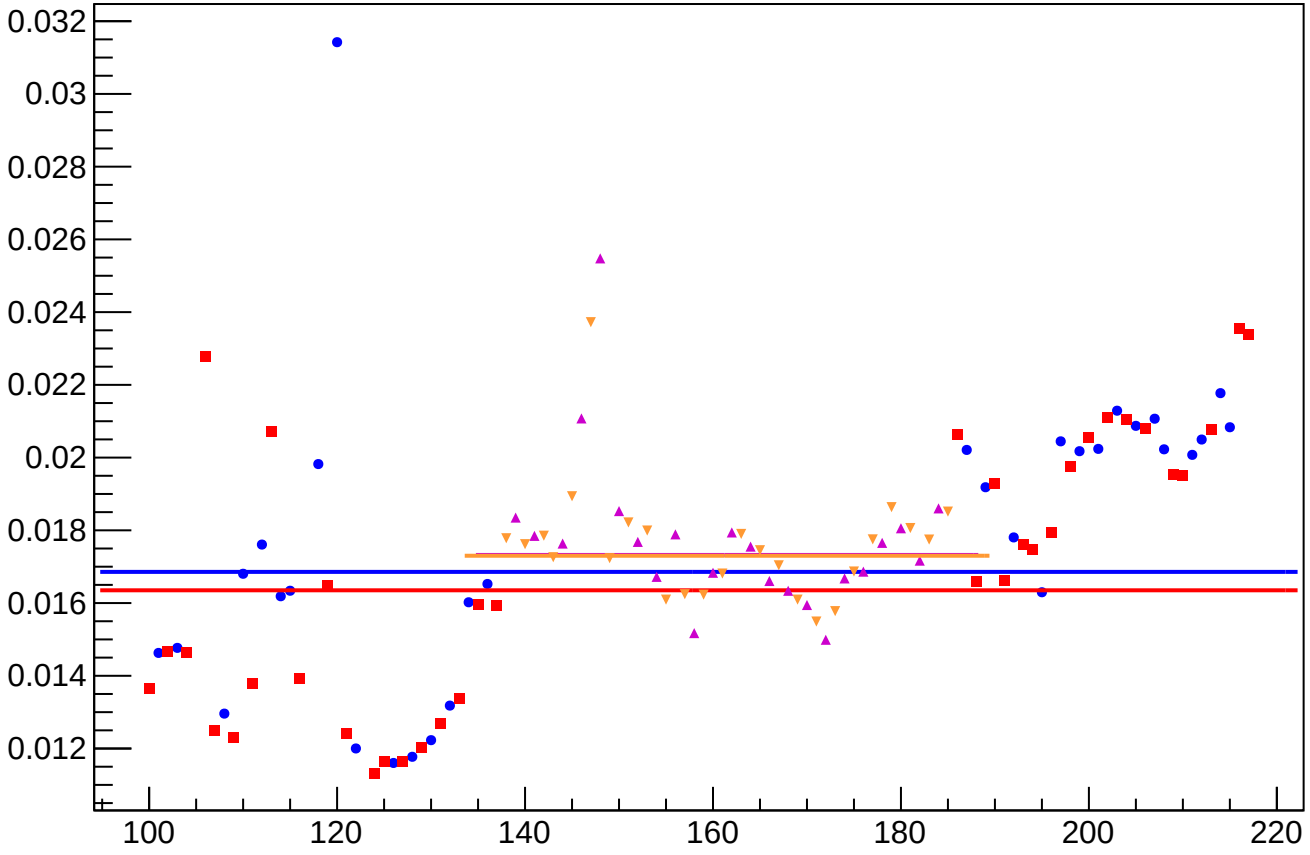
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.800+/-0.000 χ^2/NDF: 291814197749.2/55

All: -1.748+/-0.000 χ^2/NDF: 593098713701.7

- sign -1.698+/-0.000 χ^2/NDF: 300624480005.1/58

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1634479.9/30

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

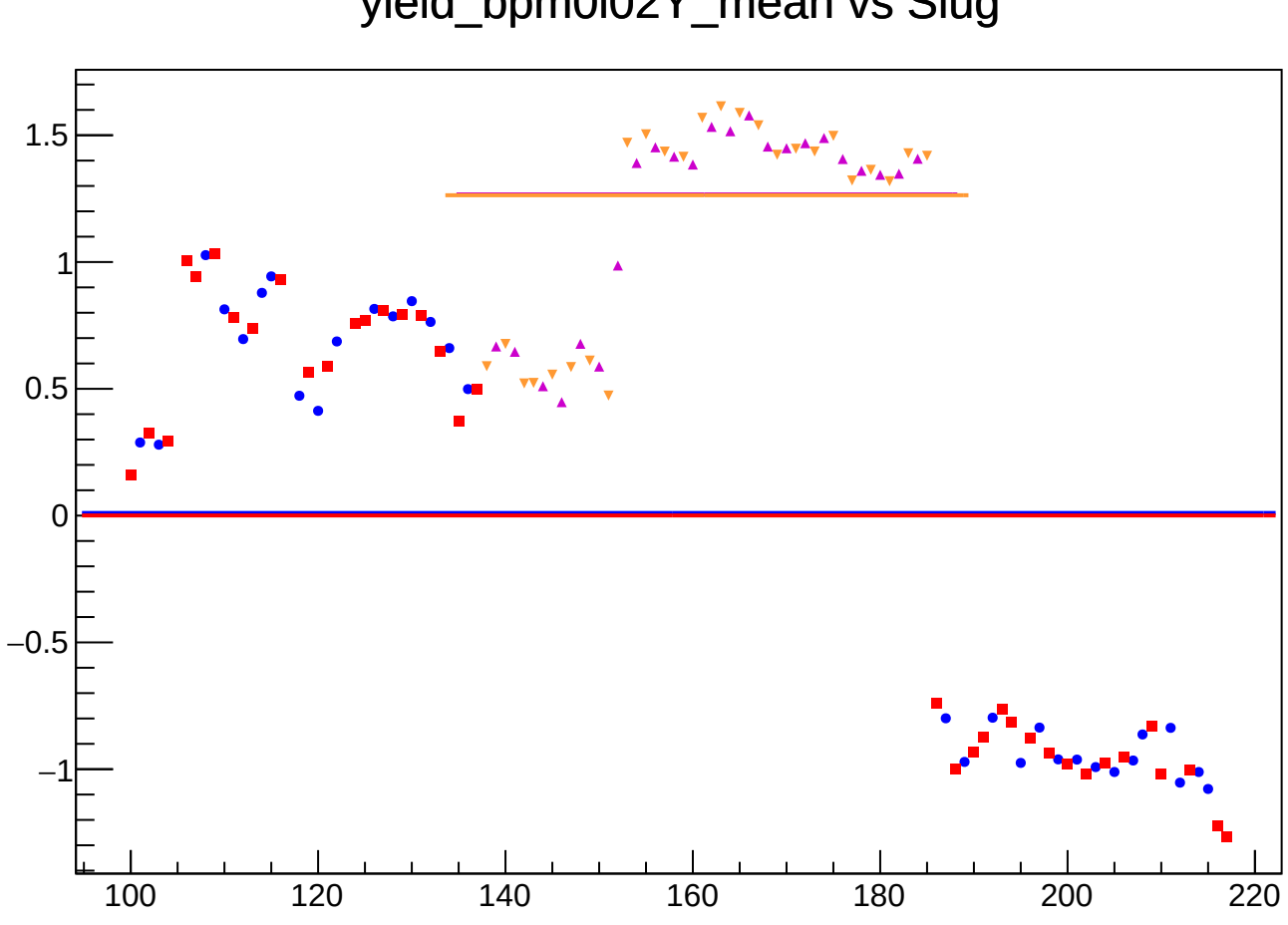
Right Out: 0.016+/-0.000 χ^2/NDF: 1848394.0/35

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1864698.3/55

All: 0.017+/-0.000 χ^2/NDF: 4114045.6/114

- sign 0.017+/-0.000 χ^2/NDF: 2238733.0/58



Right In: 0.010+/-0.000 χ^2/NDF: 94134778073.1/30

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 108266542199.7/35

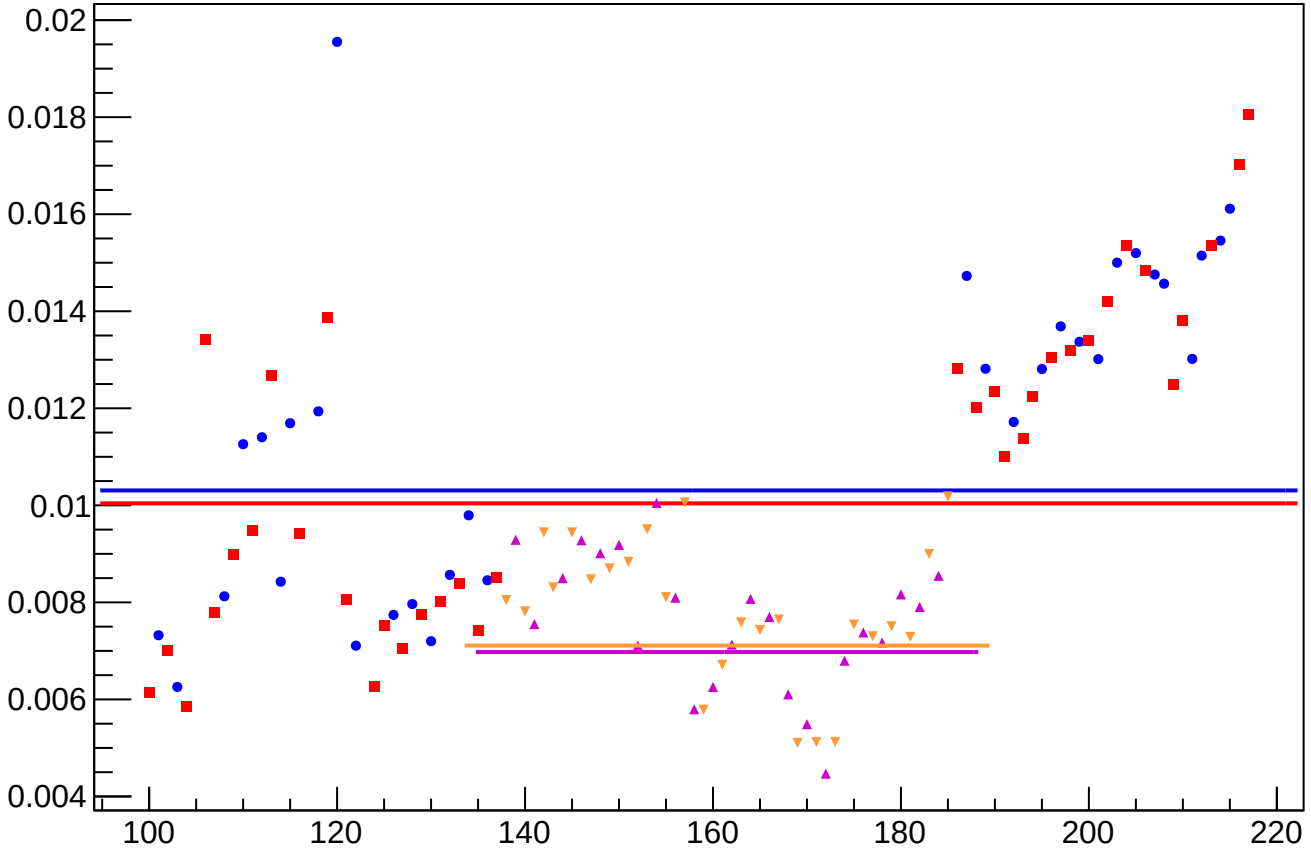
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.869+/-0.000 χ^2/NDF: 305905450270.9/55

All: 0.851+/-0.000 χ^2/NDF: 635585201600.1

- sign 0.833+/-0.000 χ^2/NDF: 329346358751.9/58

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 3268786.4/30

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 3625106.3/35

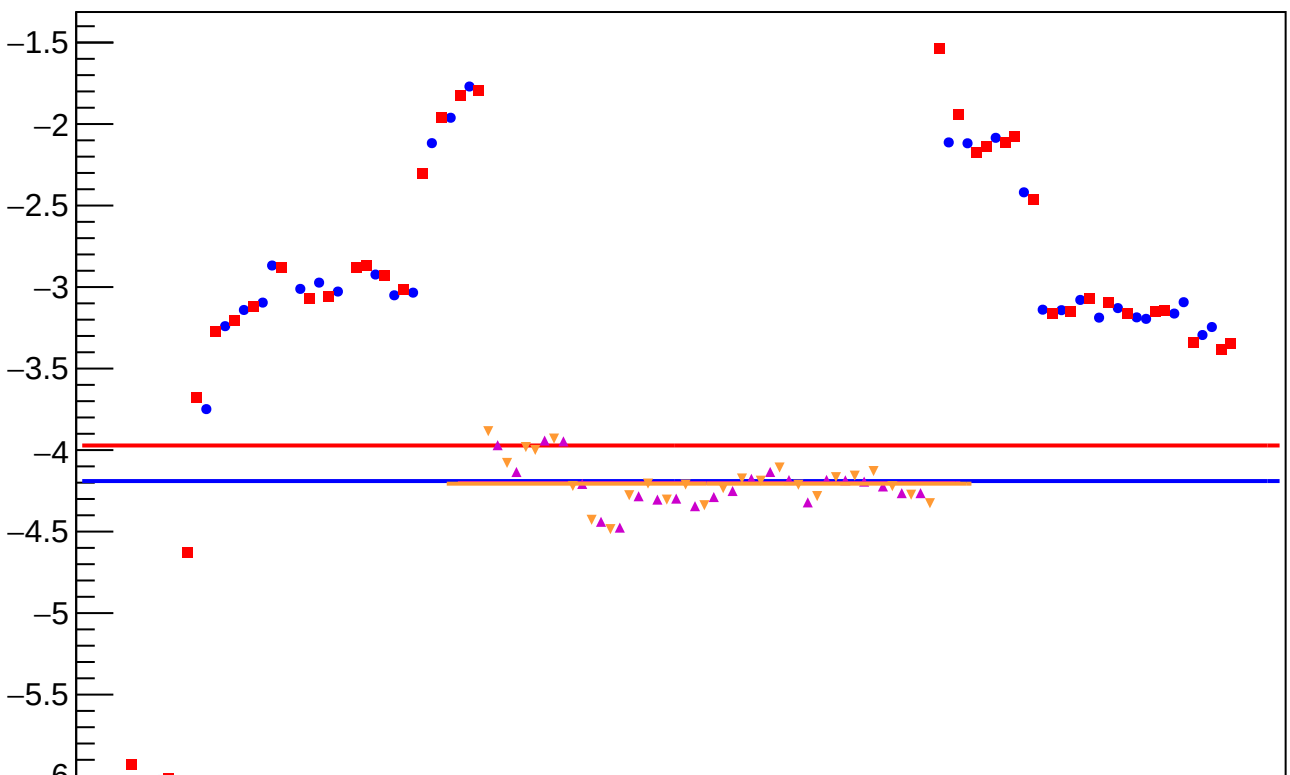
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 6952826.3/55

All: 0.008+/-0.000 χ^2/NDF: 14188315.3/114

- sign 0.008+/-0.000 χ^2/NDF: 7231597.4/58

yield_bpm0l03X_mean vs Slug



Right In: -4.190+/-0.000 χ^2/NDF: 301970049267.0/30

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.972+/-0.000 χ^2/NDF: 308491709997.9/35

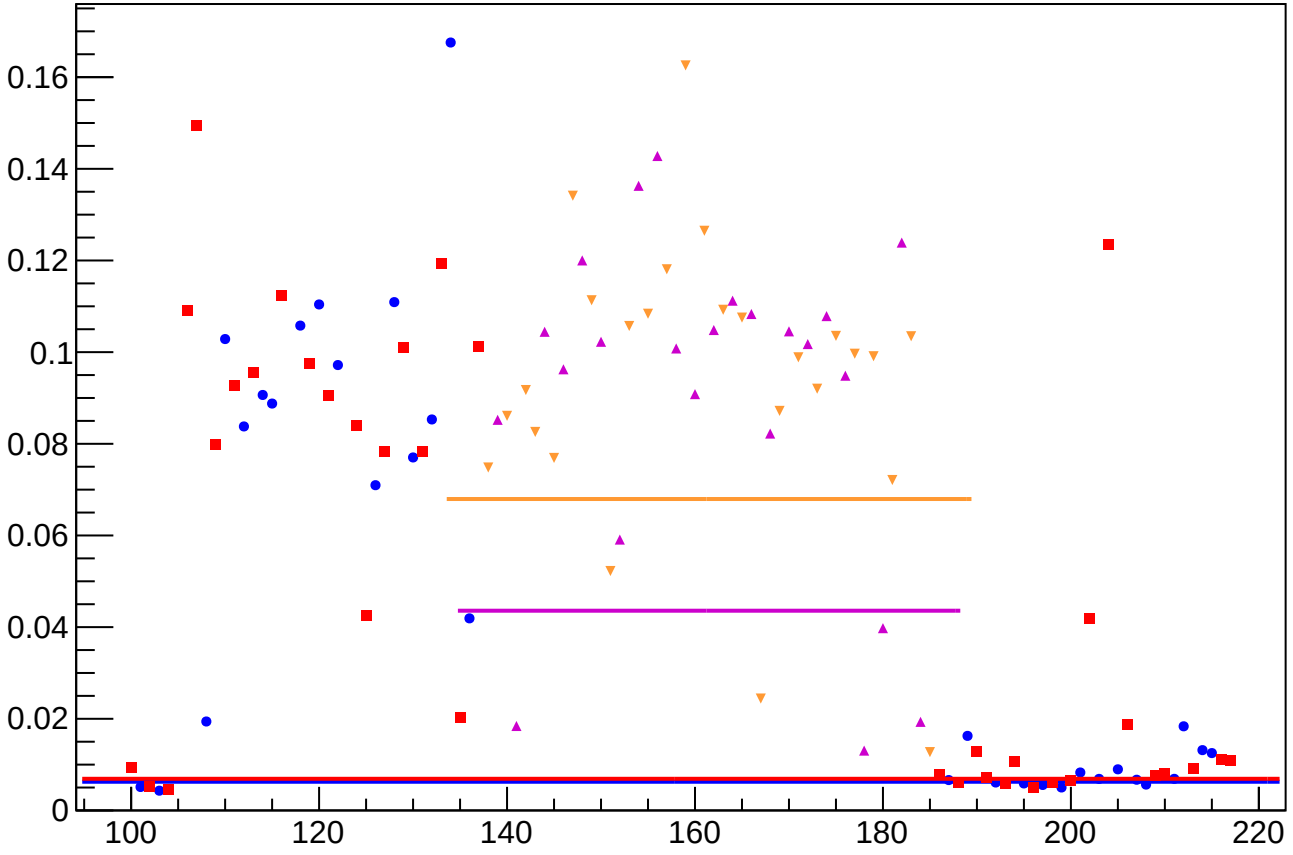
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.190+/-0.000 χ^2/NDF: 302032274491.8/55

All: -4.094+/-0.000 χ^2/NDF: 613314079312.4

- sign -3.981+/-0.000 χ^2/NDF: 308742309444.5/58

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9350382.7/30

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10893008.1/35

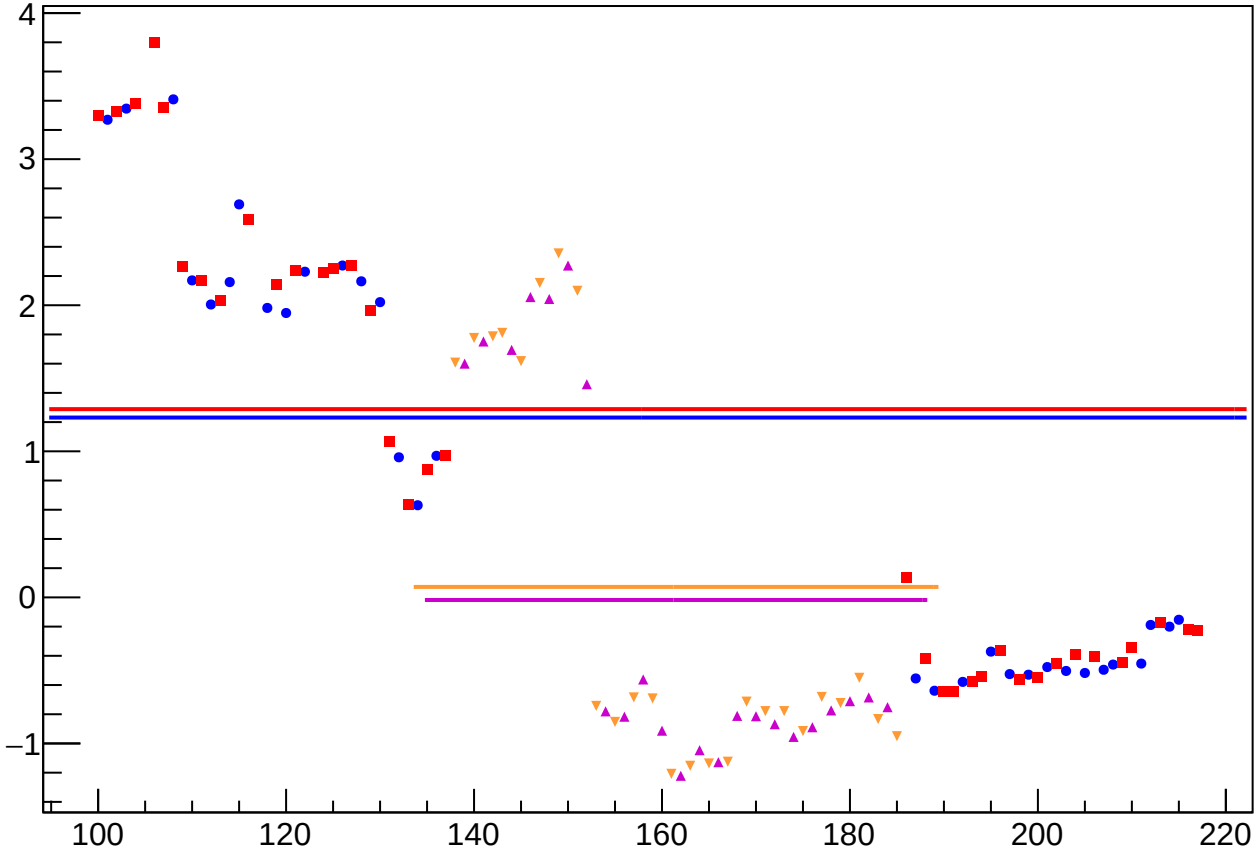
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36806031.4/55

All: 0.008+/-0.000 χ^2/NDF: 71109355.1/114

- sign 0.008+/-0.000 χ^2/NDF: 34239146.9/58

yield_bpm0l03Y_mean vs Slug



Right In: 1.231+/-0.000 χ^2/NDF: 238524093434.1/30

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.289+/-0.000 χ^2/NDF: 220676164112.4/35

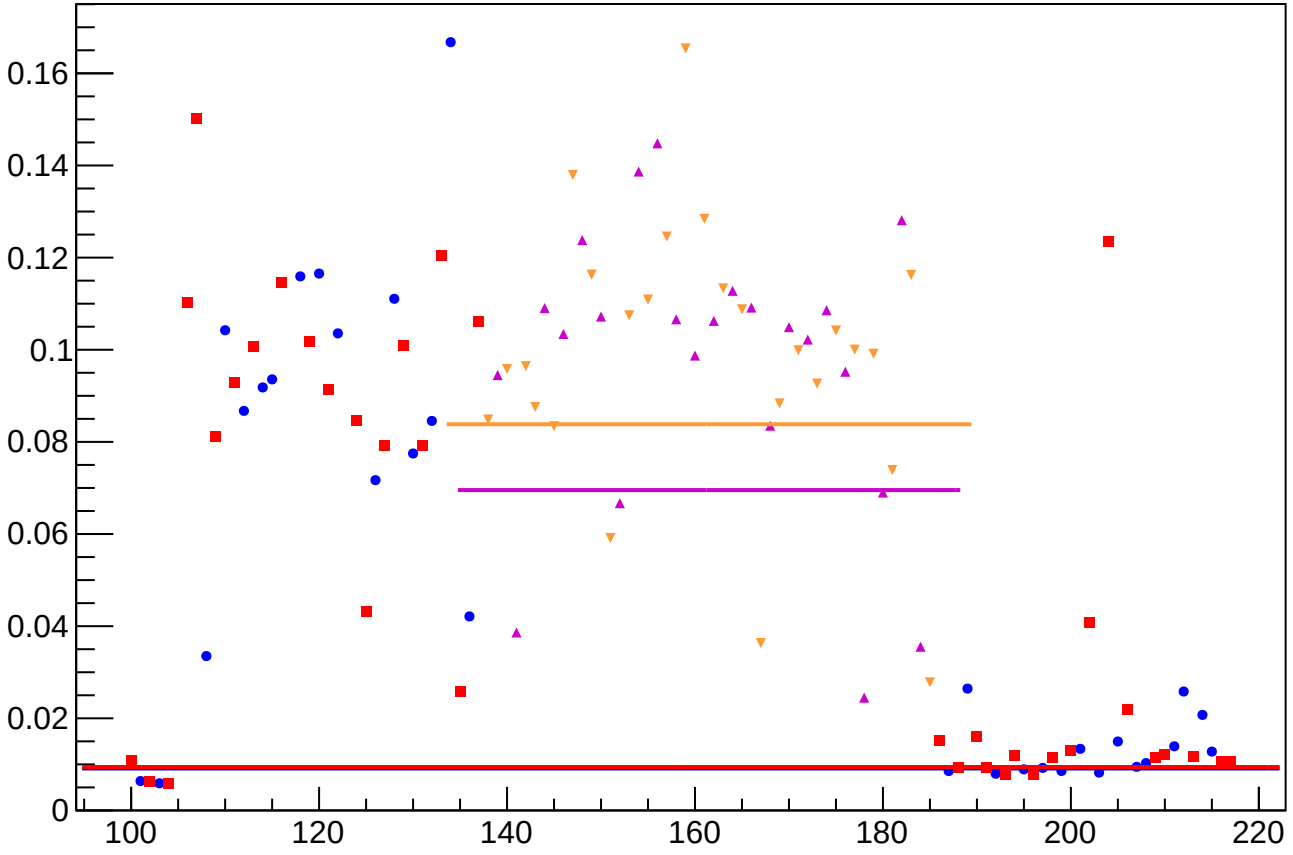
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.197+/-0.000 χ^2/NDF: 244843610626.7/55

All: 1.219+/-0.000 χ^2/NDF: 472958225136.6

- sign 1.242+/-0.000 χ^2/NDF: 228045973931.0/58

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9308339.5/30

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

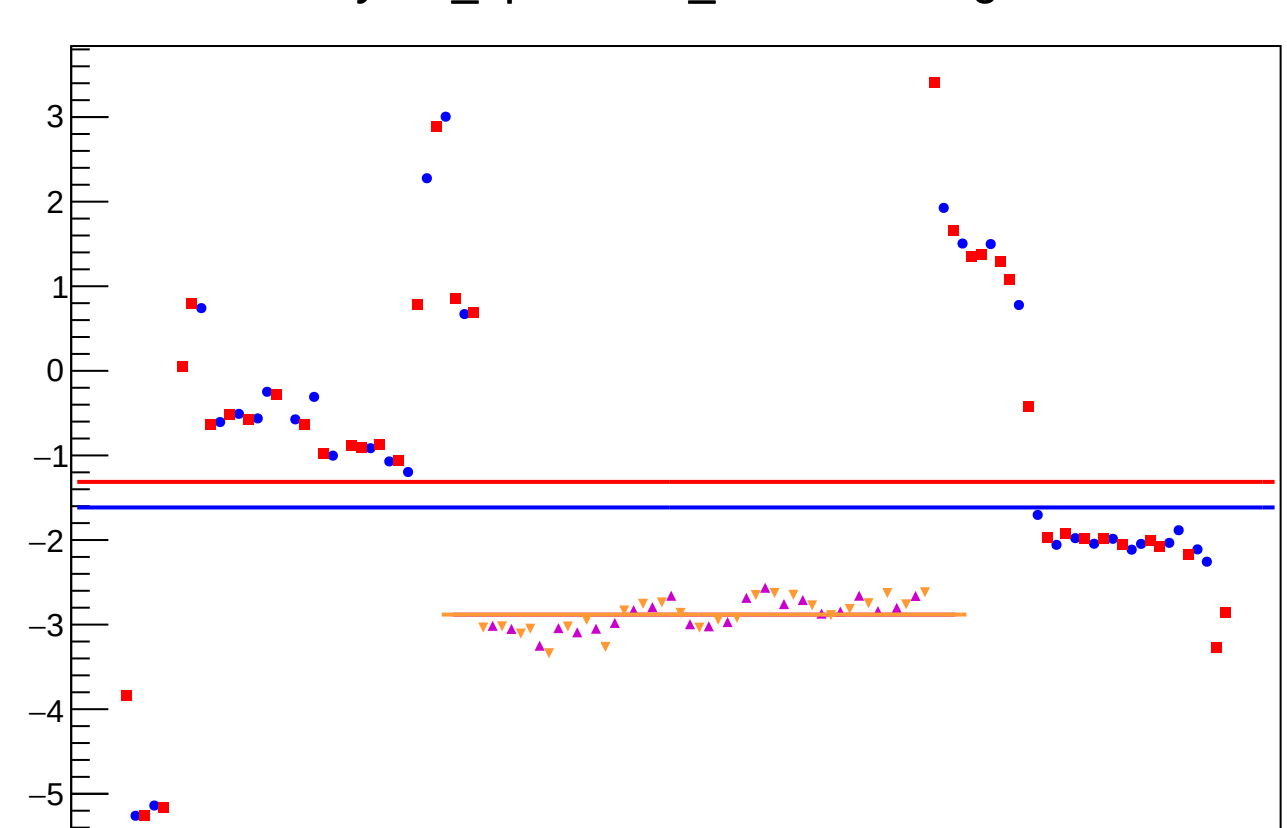
Right Out: 0.009+/-0.000 χ^2/NDF: 10533770.5/35

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35433781.1/55

All: 0.011+/-0.000 χ^2/NDF: 69237125.3/114

- sign 0.012+/-0.000 χ^2/NDF: 33798159.1/58



Right In: -1.615+/-0.000 χ^2/NDF: 210237131062.3/30

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.313+/-0.000 χ^2/NDF: 245487080709.5/35

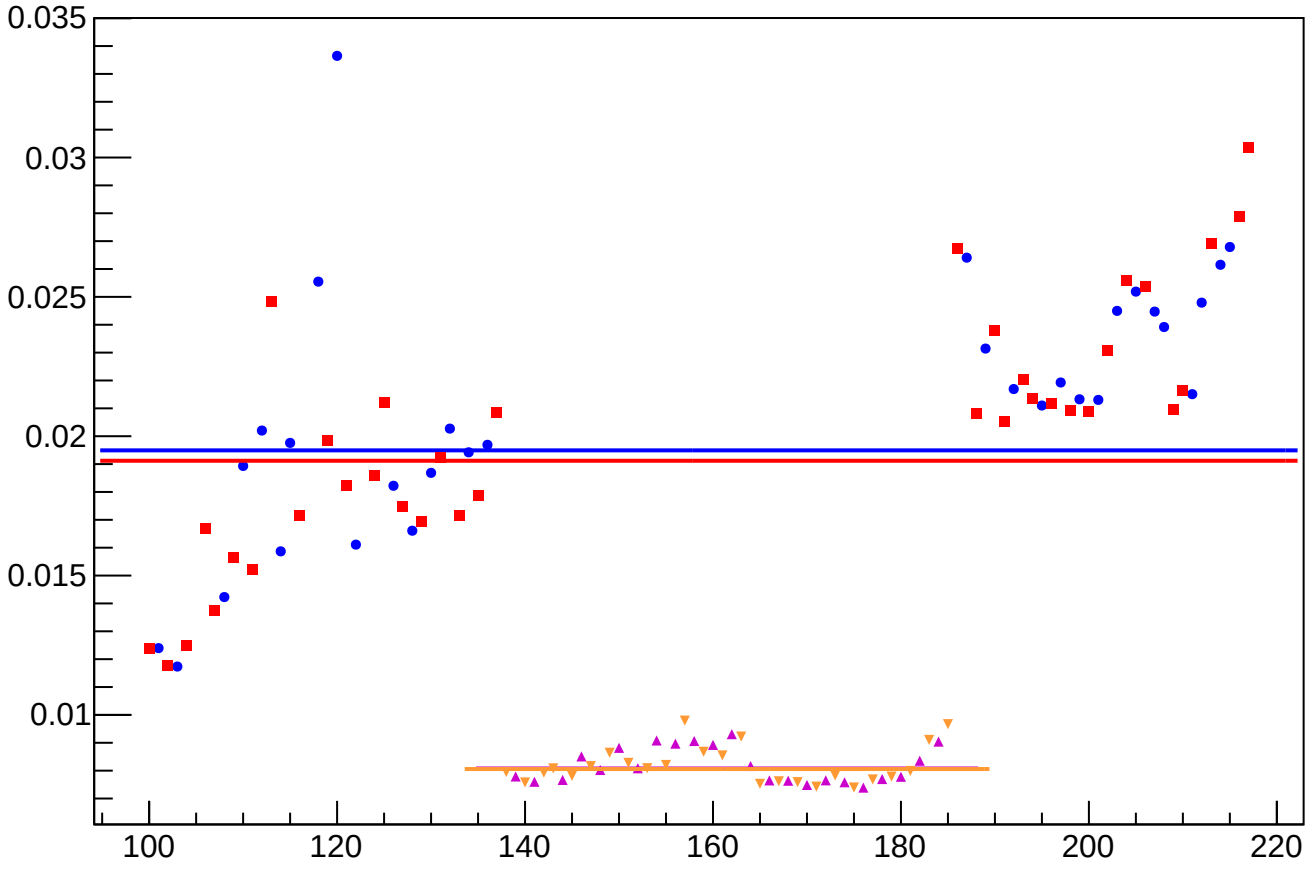
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.711+/-0.000 χ^2/NDF: 281950370839.5/55

All: -2.675+/-0.000 χ^2/NDF: 639822043618.

- sign -2.637+/-0.000 χ^2/NDF: 356979155851.7/58

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 2006359.9/30

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2091877.6/35

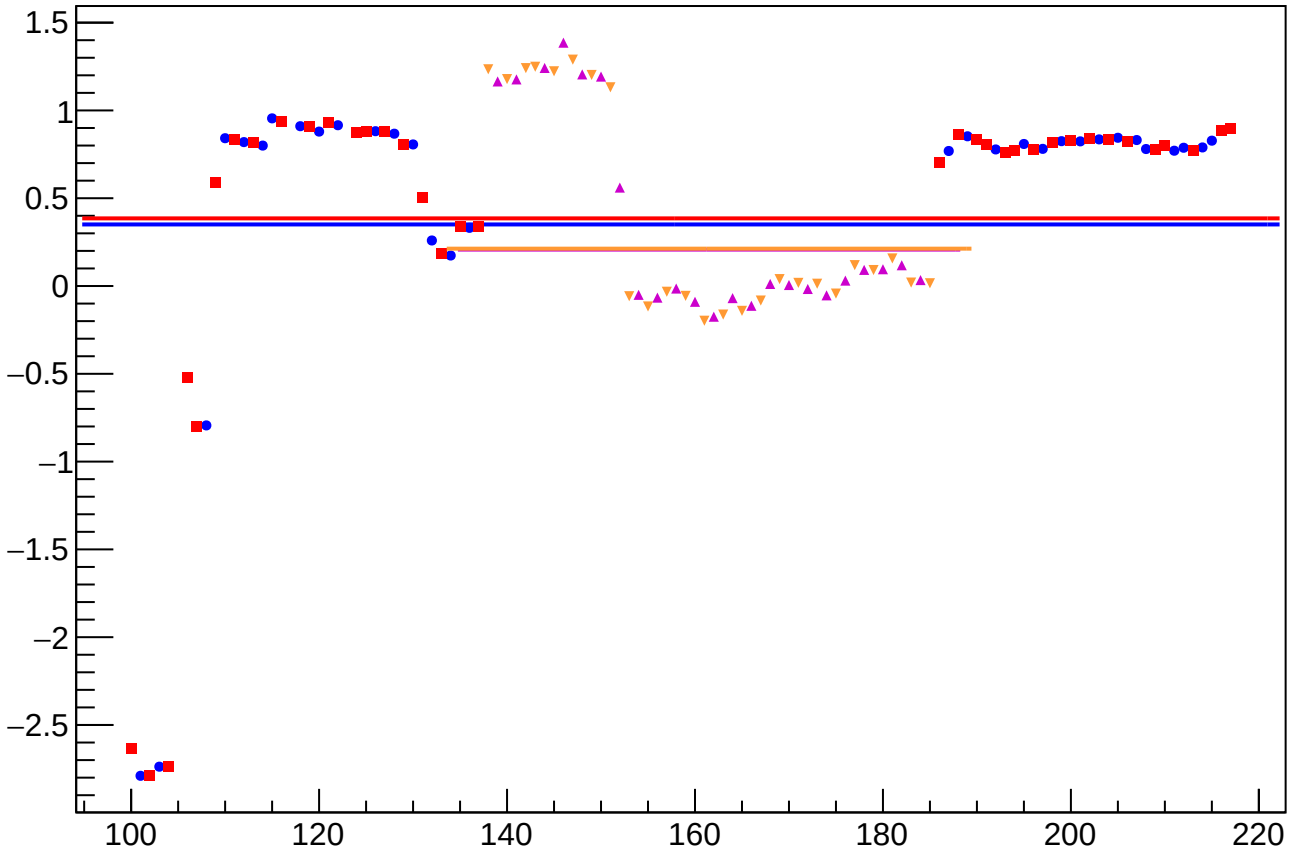
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 12167139.0/55

All: 0.010+/-0.000 χ^2/NDF: 24668198.7/114

- sign 0.010+/-0.000 χ^2/NDF: 12486594.0/58

yield_bpm0l04Y_mean vs Slug



Right In: 0.351+/-0.000 χ^2/NDF: 981472567134.6/30

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.385+/-0.000 χ^2/NDF: 1069202467091.5/35

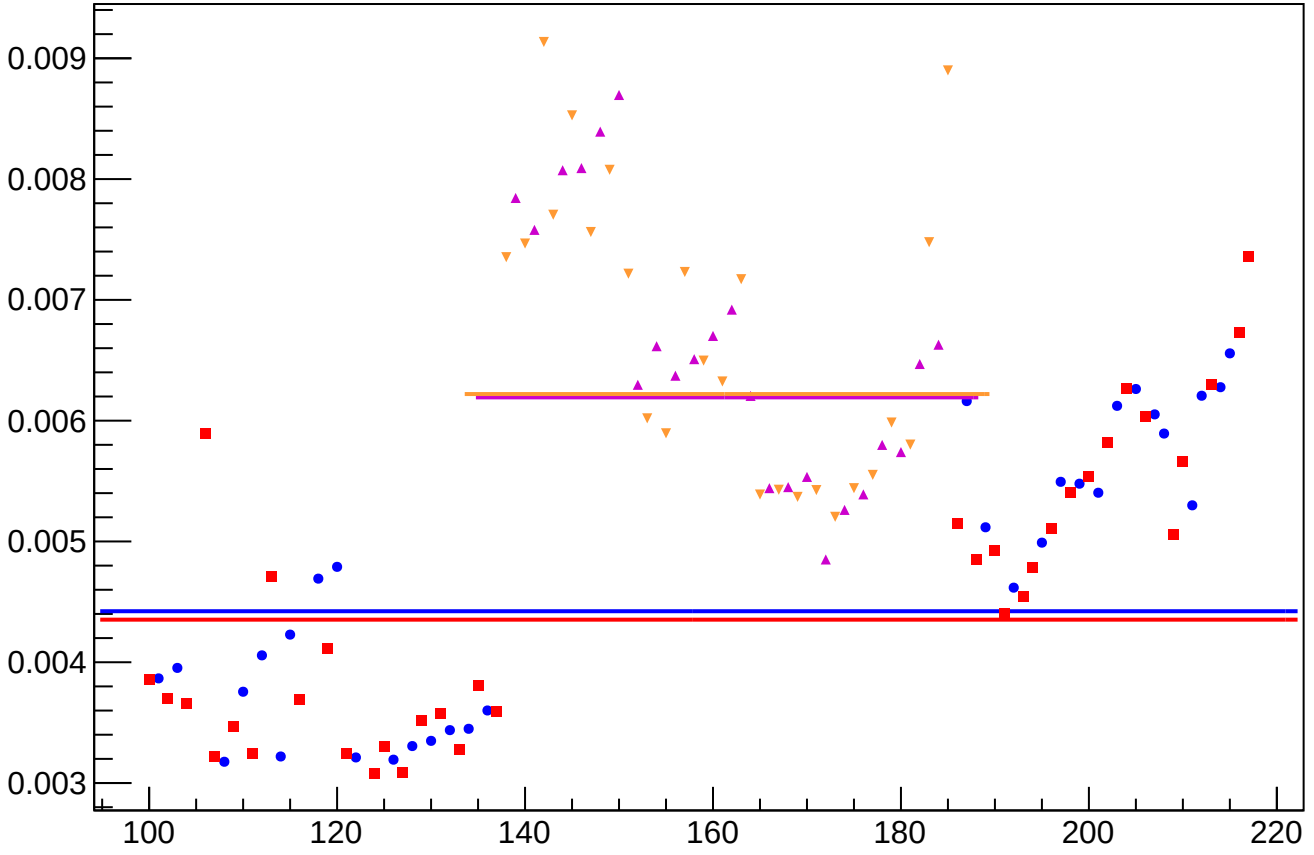
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.306+/-0.000 χ^2/NDF: 1089803807149.0/55

All: 0.319+/-0.000 χ^2/NDF: 2255798138448.

- sign 0.333+/-0.000 χ^2/NDF: 1165501570695.3/58

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 2160841.4/30

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2354853.3/35

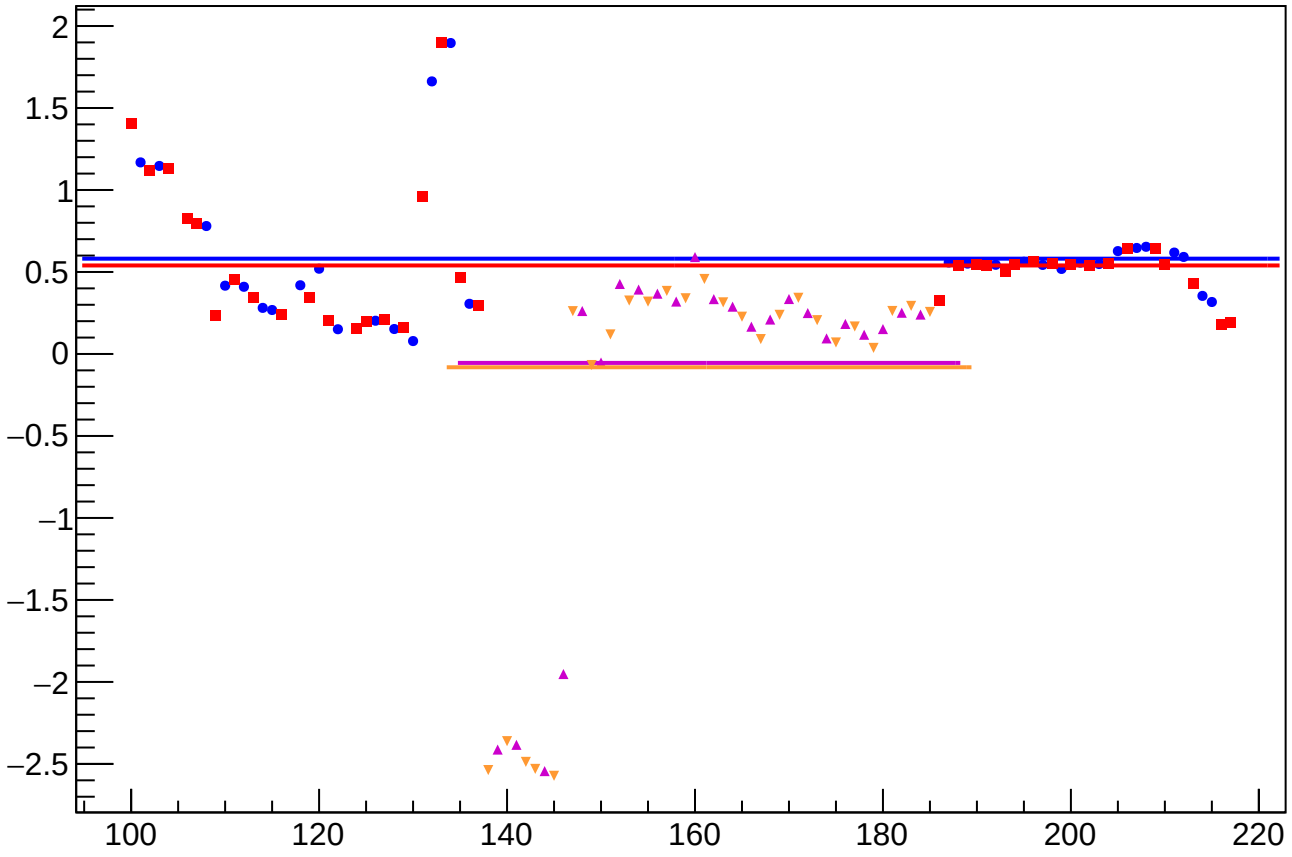
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4848036.4/55

All: 0.005+/-0.000 χ^2/NDF: 10006177.8/114

- sign 0.005+/-0.000 χ^2/NDF: 5140989.9/58

yield_bpm0l05X_mean vs Slug



Right In: 0.581+/-0.000 χ^2/NDF: 52715467152.0/30

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.540+/-0.000 χ^2/NDF: 62700871466.6/35

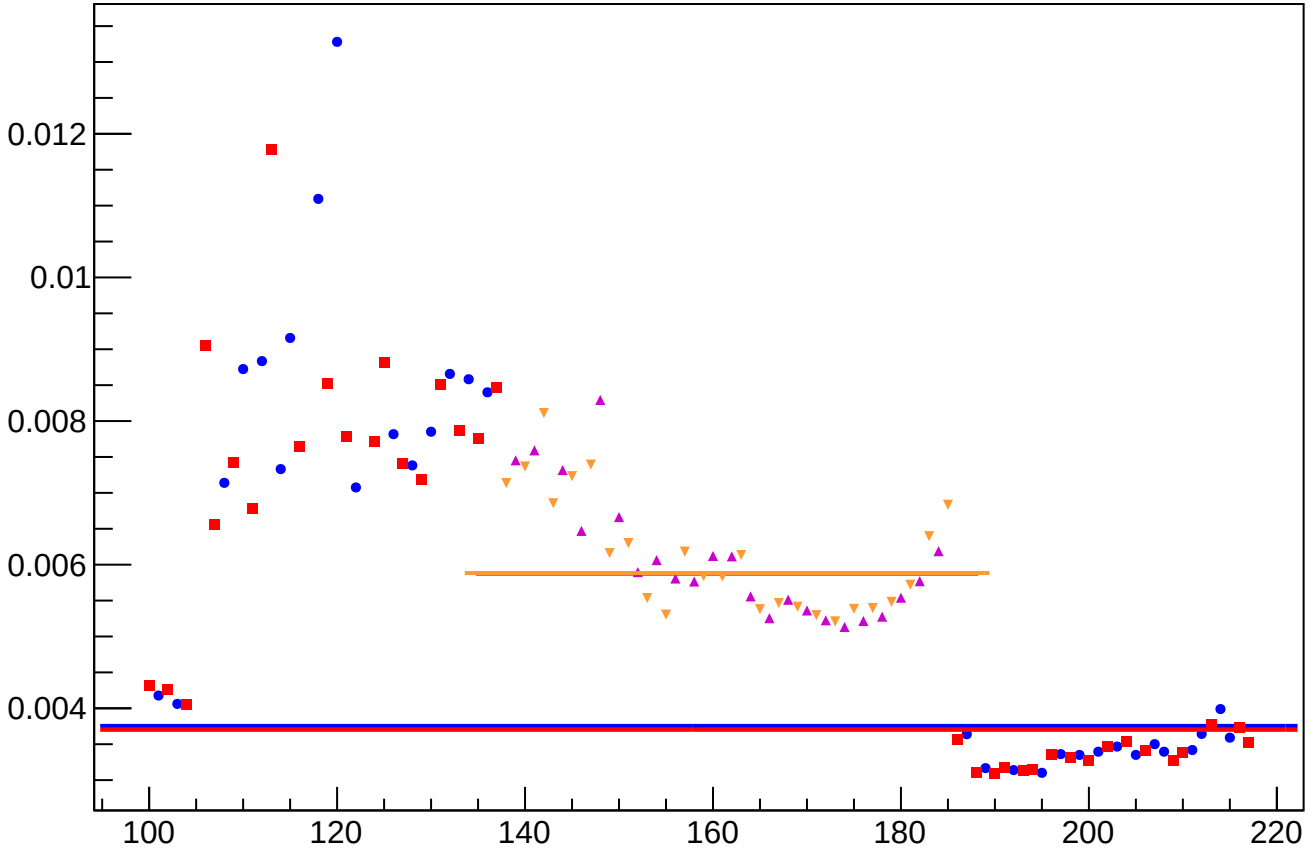
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.378+/-0.000 χ^2/NDF: 595024347697.0/55

All: 0.378+/-0.000 χ^2/NDF: 1129228135006.

- sign 0.377+/-0.000 χ^2/NDF: 534203679919.1/58

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3495437.5/30

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3484157.4/35

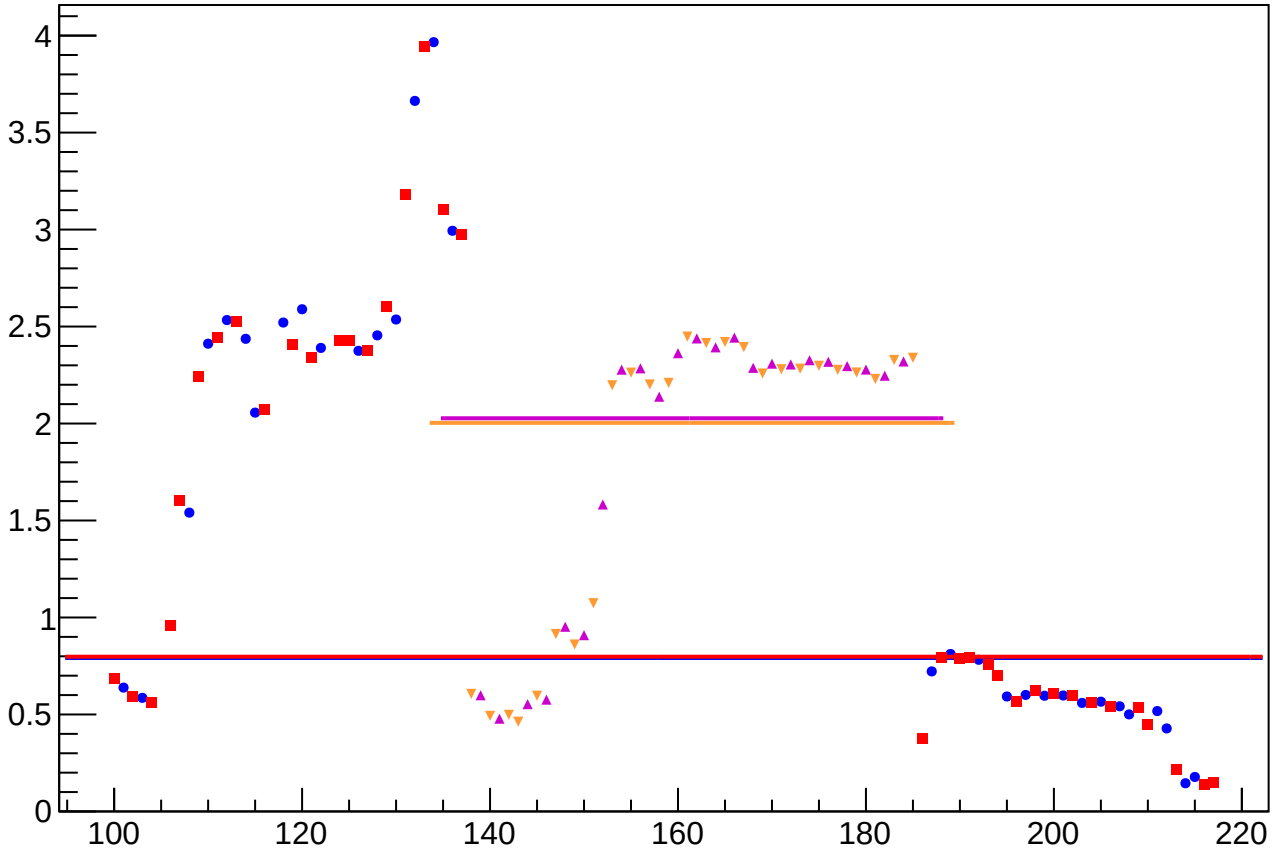
Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7133194.5/55

All: 0.004+/-0.000 χ^2/NDF: 14492560.6/114

- sign 0.004+/-0.000 χ^2/NDF: 7336984.8/58

yield_bpm0l05Y_mean vs Slug



Right In: 0.791+/-0.000 χ^2/NDF: 270956016586.1/30

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.798+/-0.000 χ^2/NDF: 309410755146.1/35

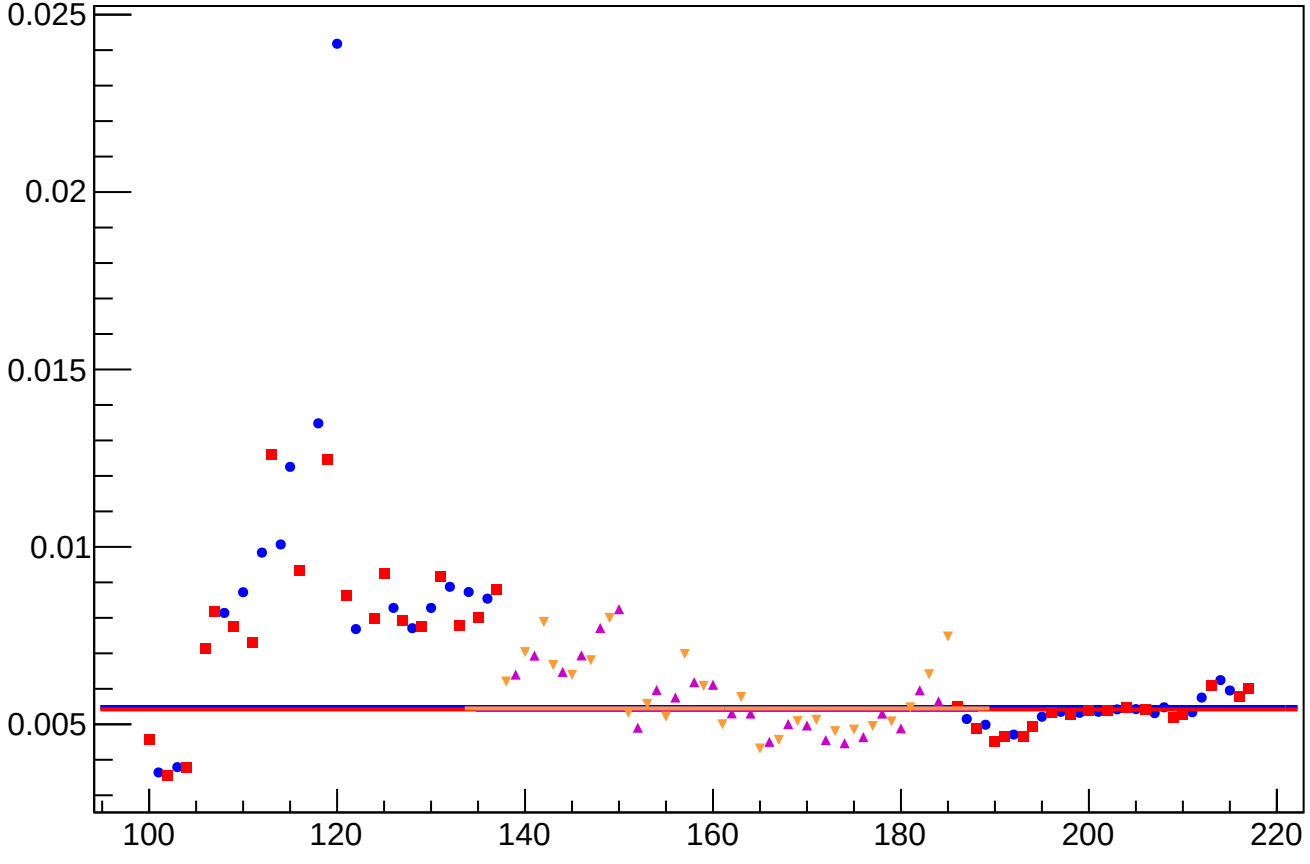
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.397+/-0.000 χ^2/NDF: 895362769896.5/55

All: 1.381+/-0.000 χ^2/NDF: 1832208679476.

- sign 1.365+/-0.000 χ^2/NDF: 936264033341.1/58

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2353844.5/30

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2177806.3/35

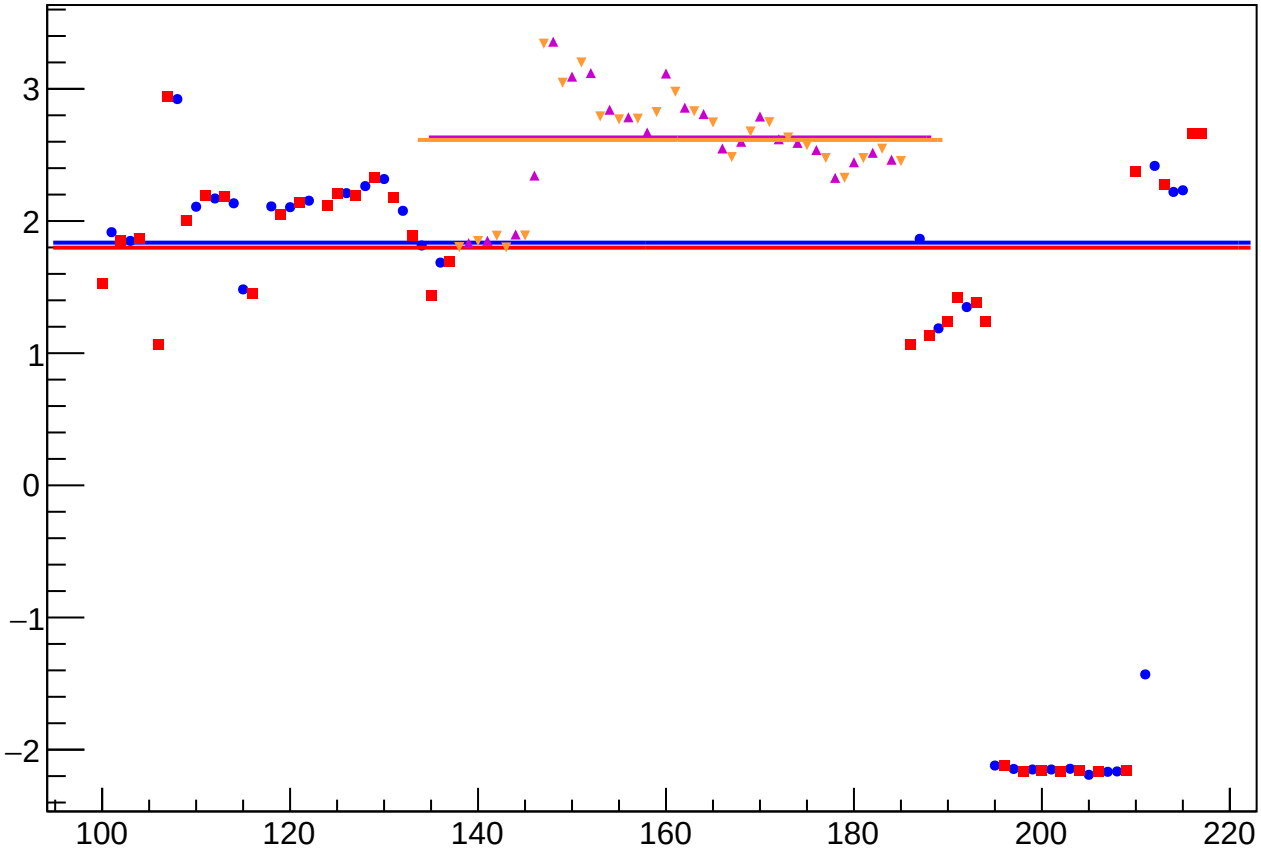
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3126092.7/55

All: 0.005+/-0.000 χ^2/NDF: 6122693.1/114

- sign 0.005+/-0.000 χ^2/NDF: 2993048.9/58

yield_bpm0l06X_mean vs Slug



Right In: 1.836+/-0.000 χ^2/NDF: 186334976339.2/30

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.799+/-0.000 χ^2/NDF: 173529338015.3/35

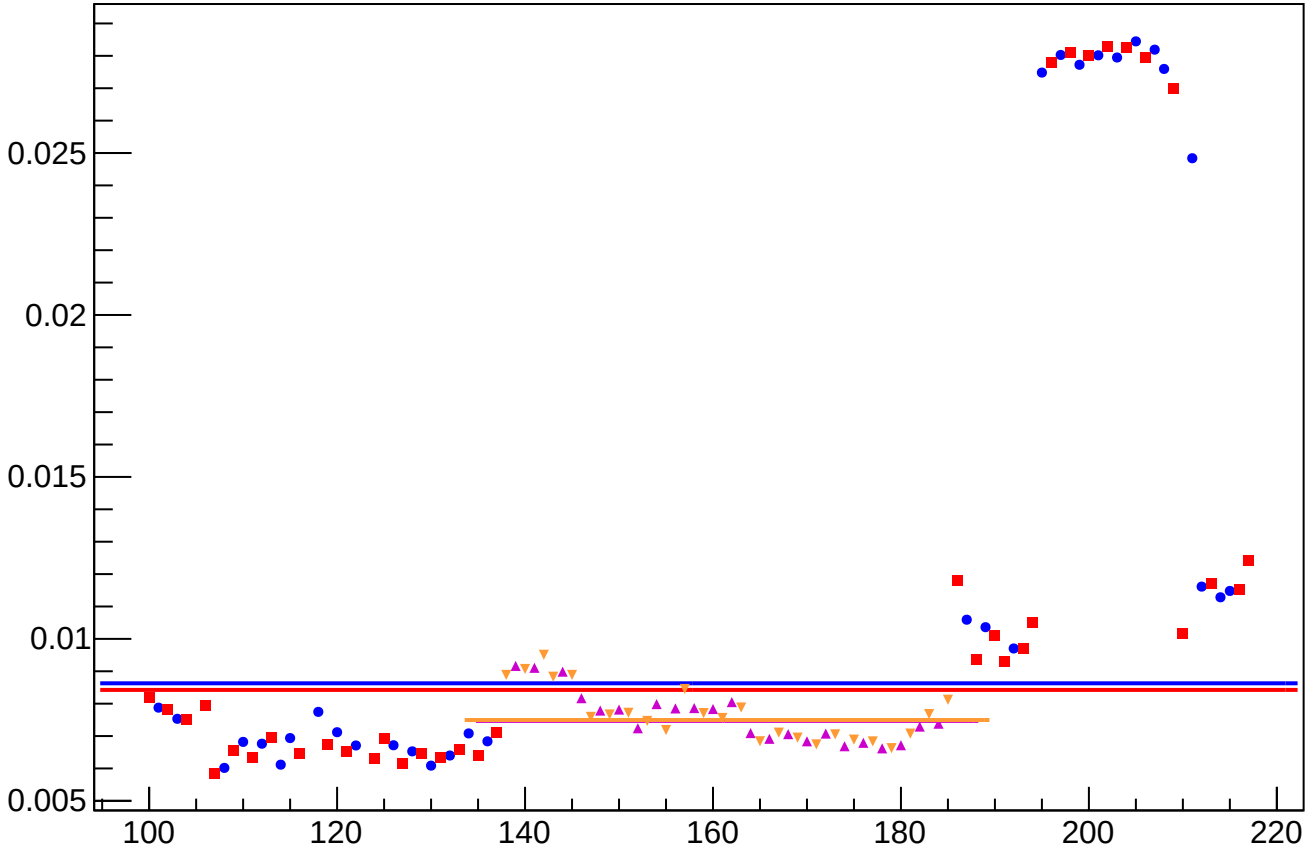
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.323+/-0.000 χ^2/NDF: 305590034002.2/55

All: 2.302+/-0.000 χ^2/NDF: 611000237335.2

- sign 2.281+/-0.000 χ^2/NDF: 304940168011.9/58

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8651165.9/30

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7678858.2/35

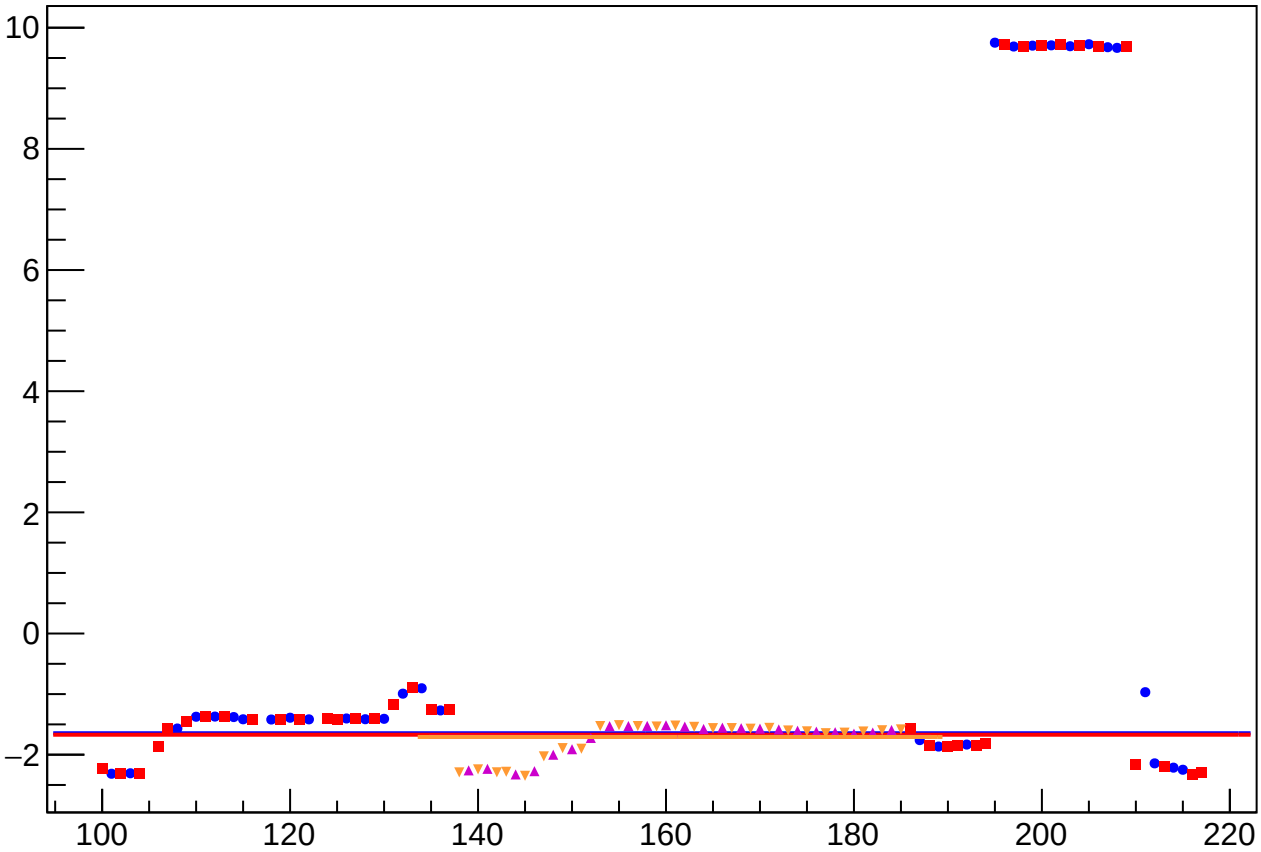
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9293813.0/55

All: 0.008+/-0.000 χ^2/NDF: 17535284.6/114

- sign 0.008+/-0.000 χ^2/NDF: 8240277.7/58

yield_bpm0l06Y_mean vs Slug



Right In: -1.646+/-0.000 χ^2/NDF: 470834278714.0/30

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.670+/-0.000 χ^2/NDF: 464528920805.5/35

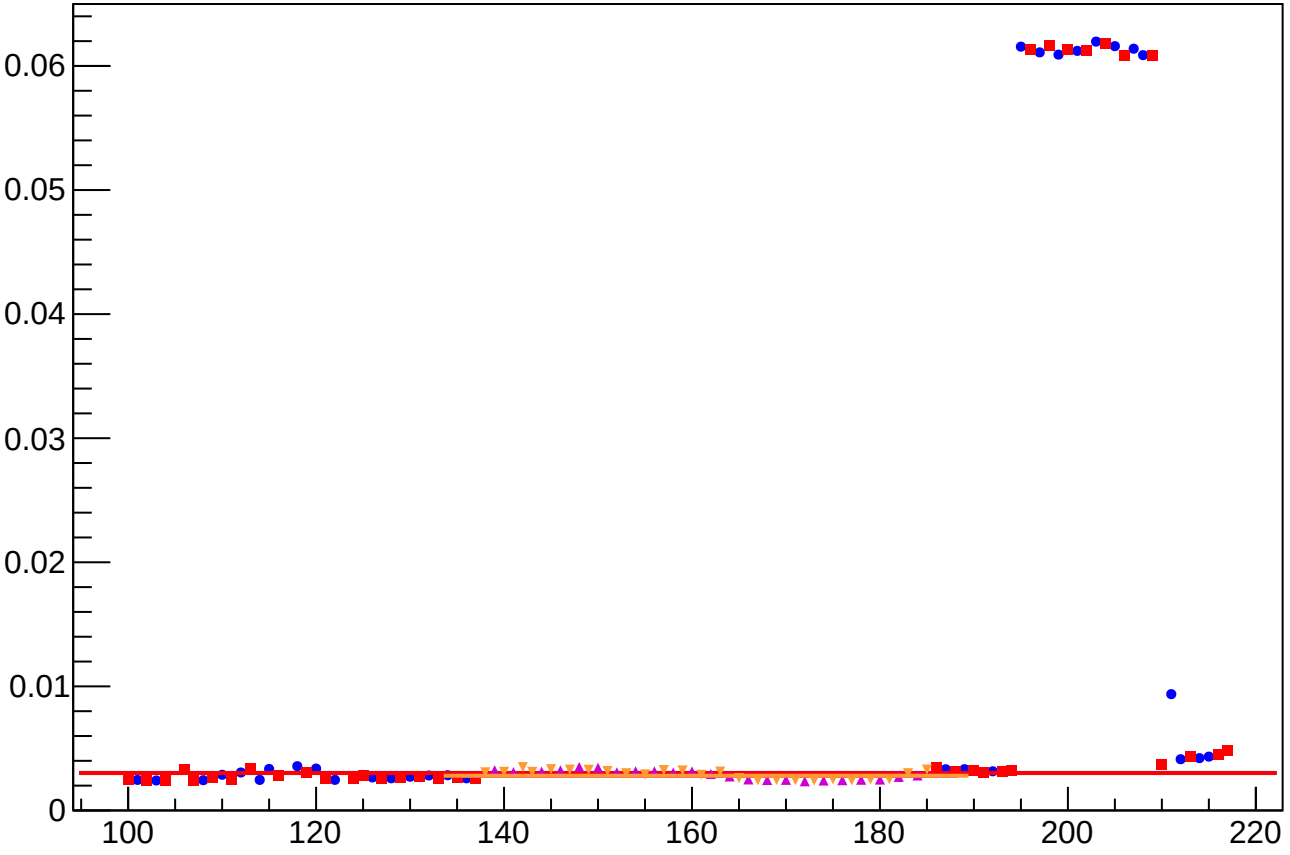
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.686+/-0.000 χ^2/NDF: 625707027643.7/55

All: -1.689+/-0.000 χ^2/NDF: 1227910930020

- sign -1.691+/-0.000 χ^2/NDF: 602154631785.2/58

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 13461736.5/30

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

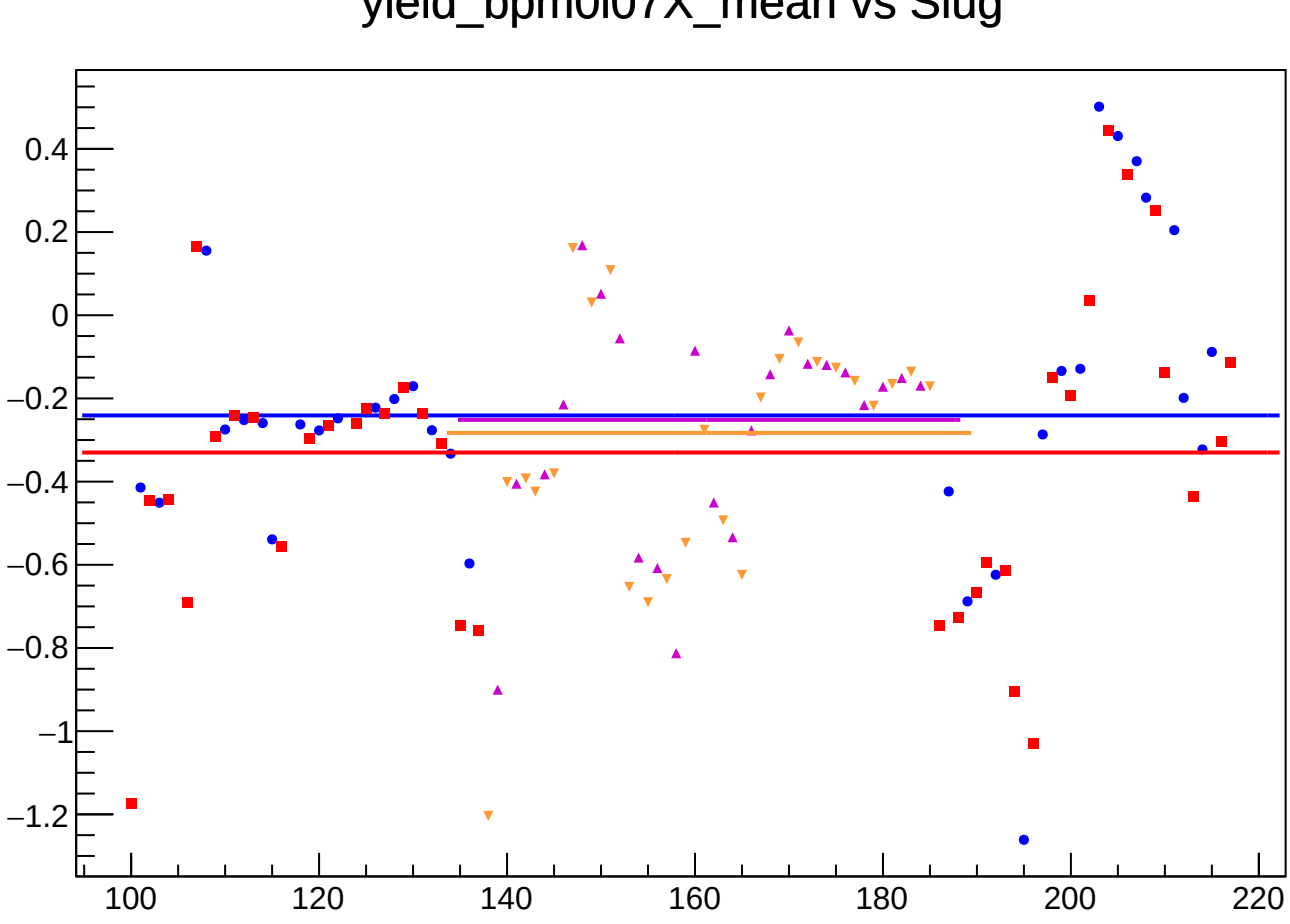
Right Out: 0.003+/-0.000 χ^2/NDF: 12155312.1/35

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 14092112.6/55

All: 0.003+/-0.000 χ^2/NDF: 26898661.5/114

- sign 0.003+/-0.000 χ^2/NDF: 12806544.7/58



Right In: -0.241+/-0.000 χ^2/NDF: 9771508093.8/30

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.330+/-0.000 χ^2/NDF: 9996967224.0/35

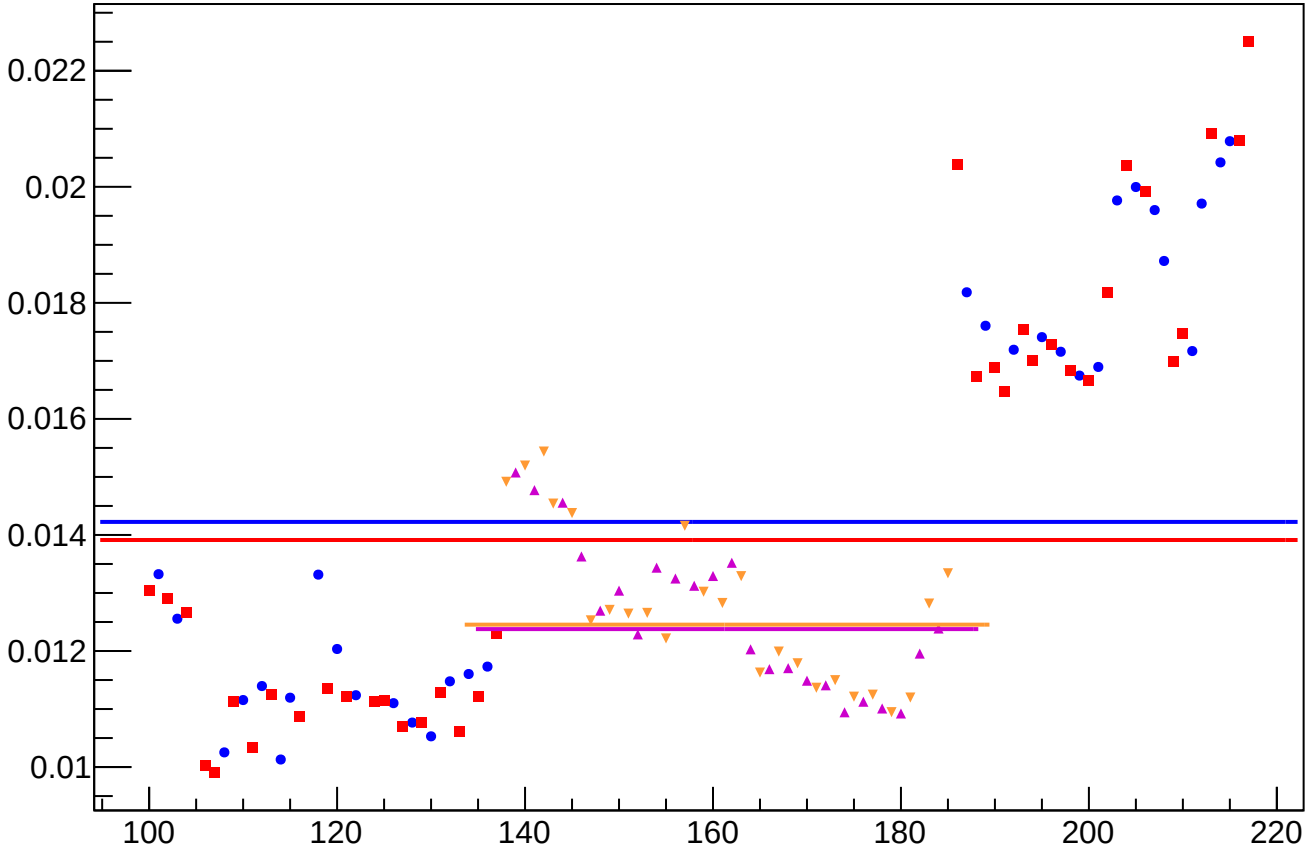
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.265+/-0.000 χ^2/NDF: 19202723537.1/55

All: -0.277+/-0.000 χ^2/NDF: 36741535594.1/

- sign -0.288+/-0.000 χ^2/NDF: 17485348515.1/58

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 2138425.6/30

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2541912.6/35

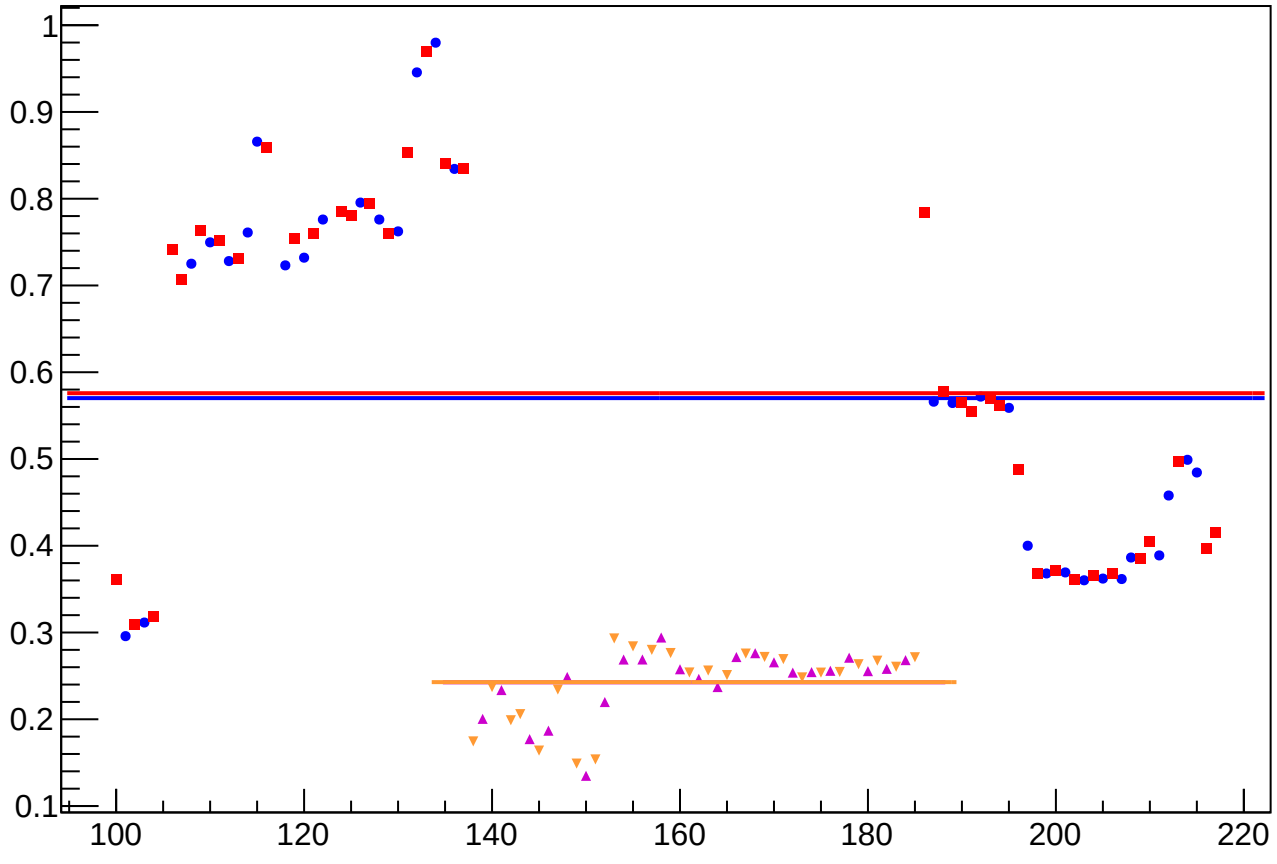
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 2792789.4/55

All: 0.013+/-0.000 χ^2/NDF: 5910323.0/114

- sign 0.013+/-0.000 χ^2/NDF: 3114583.4/58

yield_bpm0l07Y_mean vs Slug



Right In: 0.570+/-0.000 χ^2/NDF: 98920634084.8/30

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.576+/-0.000 χ^2/NDF: 96740587872.4/35

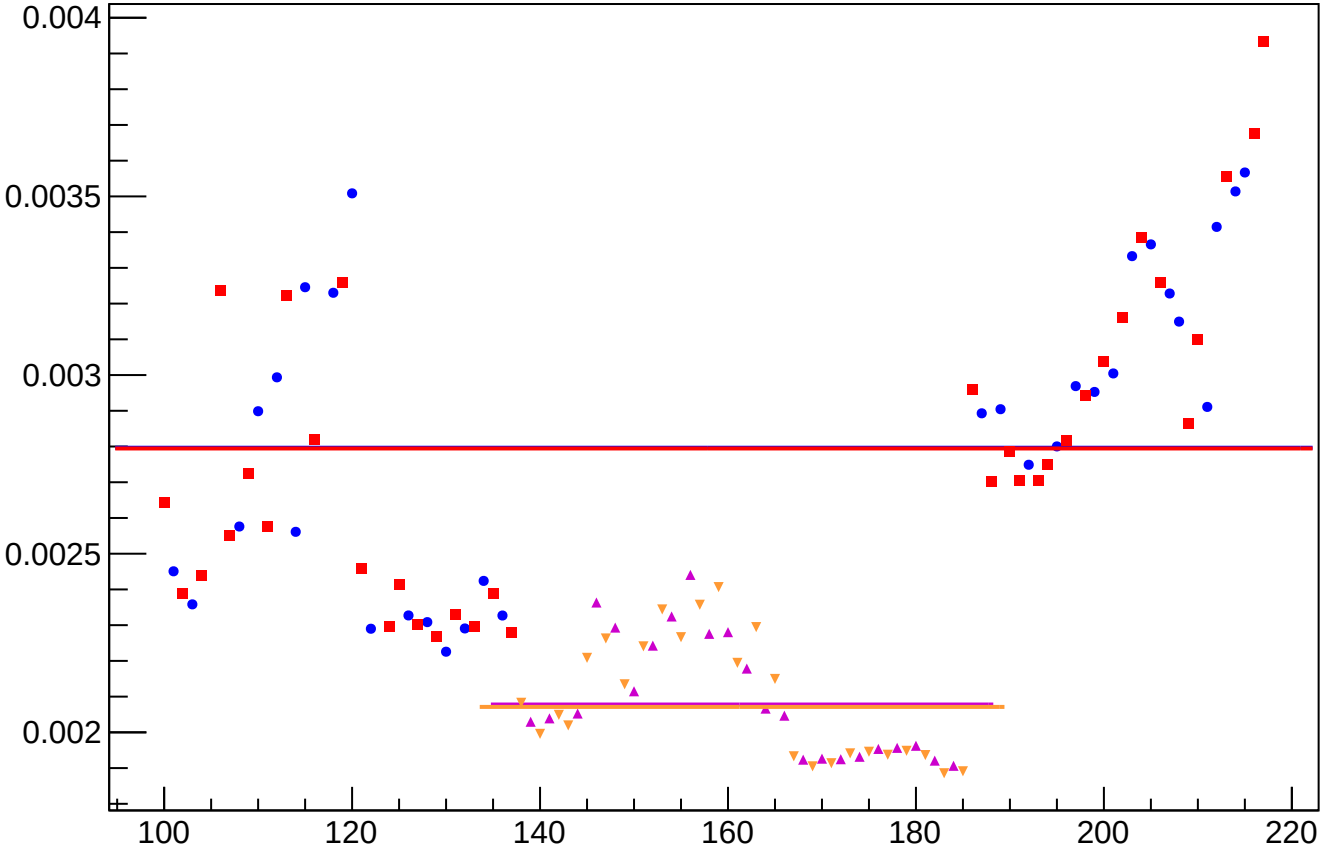
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.355+/-0.000 χ^2/NDF: 270274518980.7/55

All: 0.361+/-0.000 χ^2/NDF: 547199800901.3

- sign 0.367+/-0.000 χ^2/NDF: 276462101313.2/58

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 817983.5/30

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

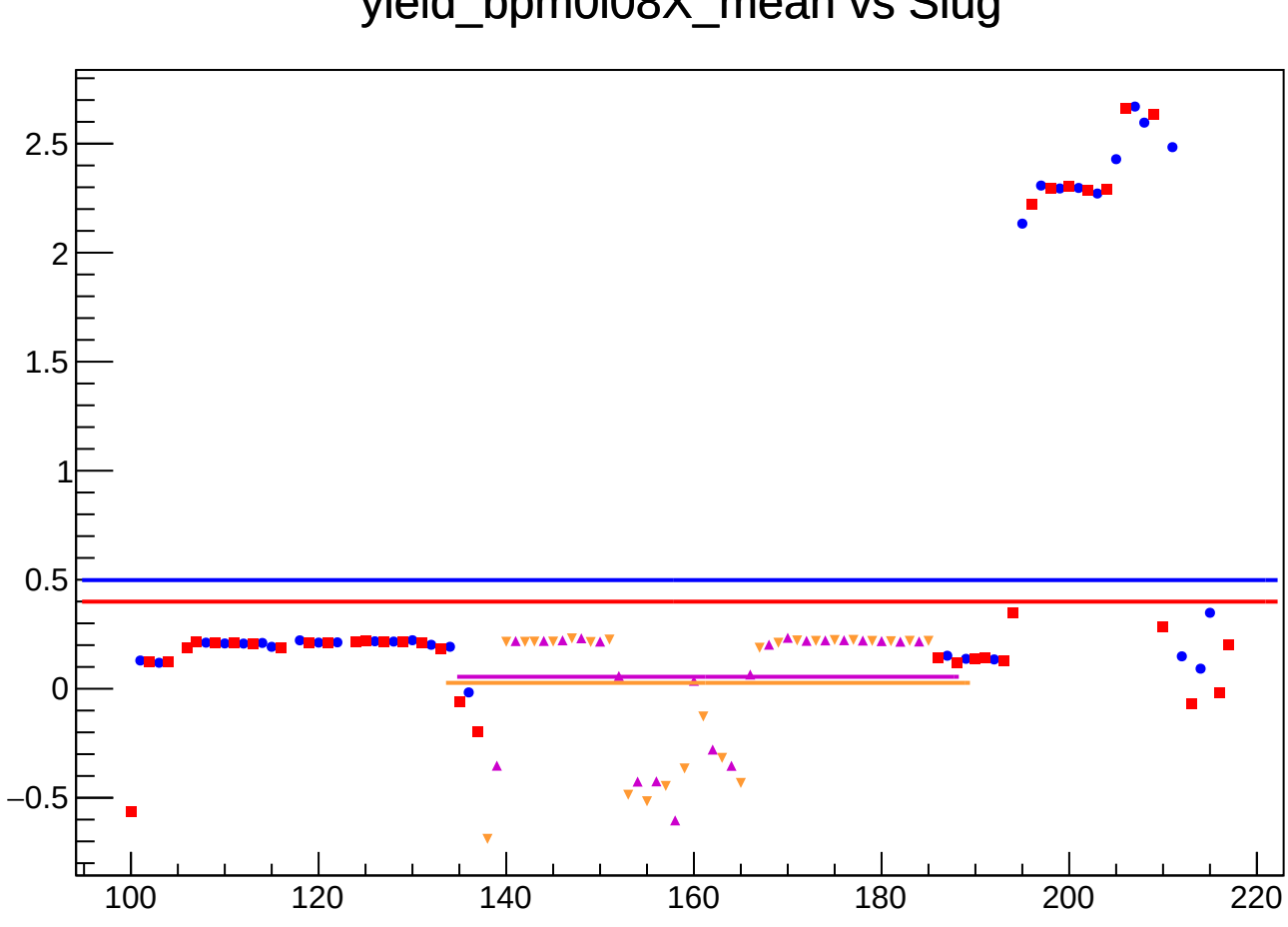
Right Out: 0.003+/-0.000 χ^2/NDF: 829676.3/35

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 2662898.8/55

All: 0.002+/-0.000 χ^2/NDF: 5317204.2/114

- sign 0.002+/-0.000 χ^2/NDF: 2650099.5/58



Right In: 0.498+/-0.000 χ^2/NDF: 61771939667.6/30

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.399+/-0.000 χ^2/NDF: 55220795495.1/35

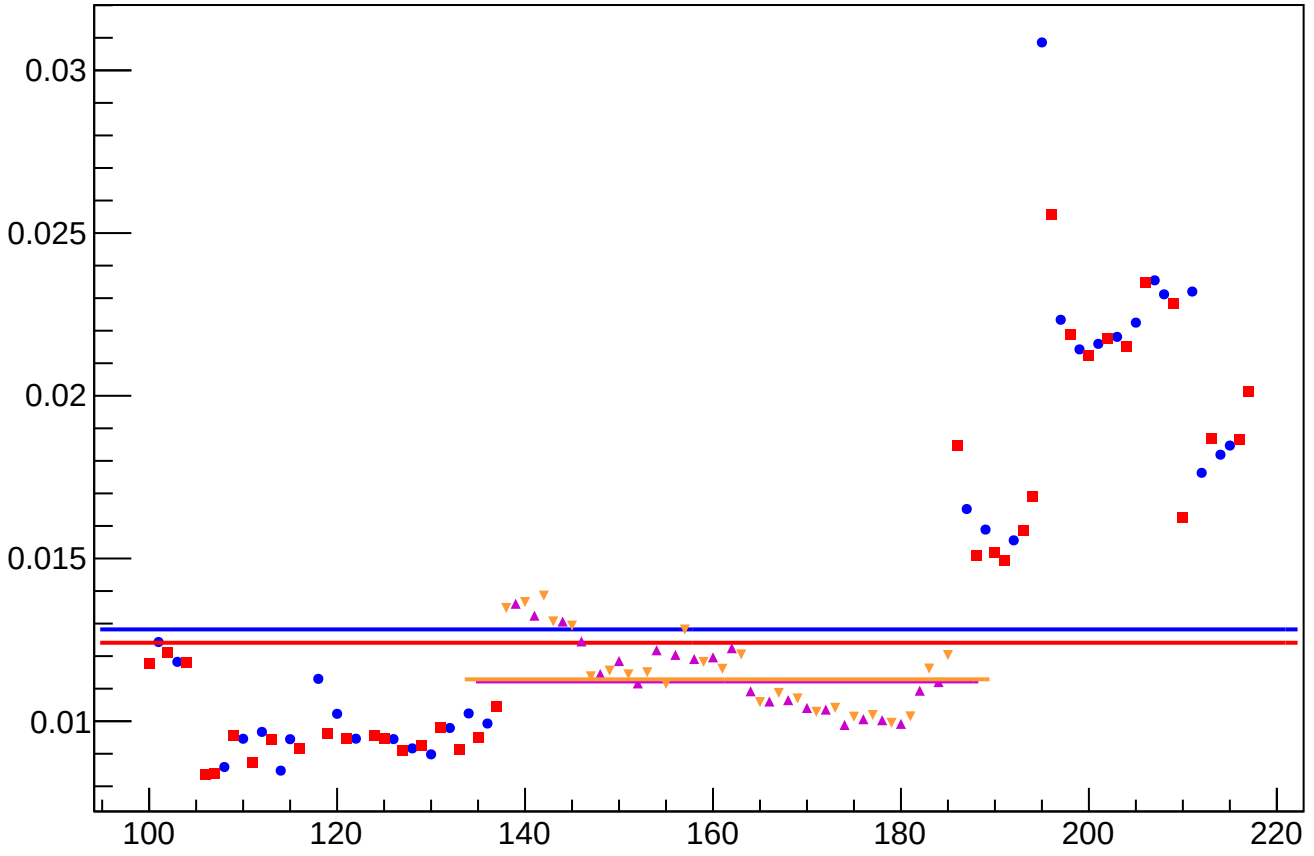
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.219+/-0.000 χ^2/NDF: 87761152005.8/55

All: 0.215+/-0.000 χ^2/NDF: 160105172804.6

- sign 0.211+/-0.000 χ^2/NDF: 72335620822.0/58

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 4984921.1/30

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4939538.6/35

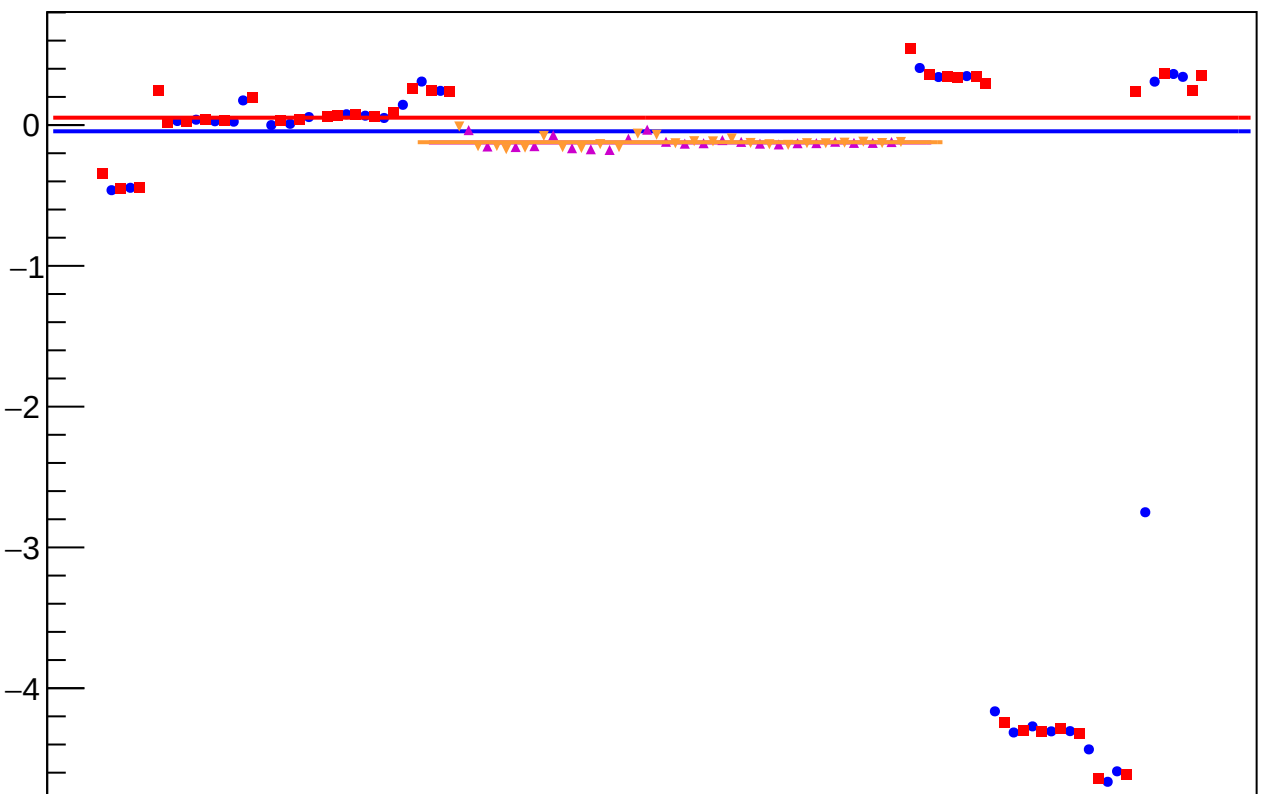
Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 5589093.9/55

All: 0.012+/-0.000 χ^2/NDF: 11025663.6/114

- sign 0.012+/-0.000 χ^2/NDF: 5430900.7/58

yield_bpm0l08Y_mean vs Slug



Right In: -0.044+/-0.000 χ^2/NDF: 437289947329.2/30

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.053+/-0.000 χ^2/NDF: 403308953032.6/35

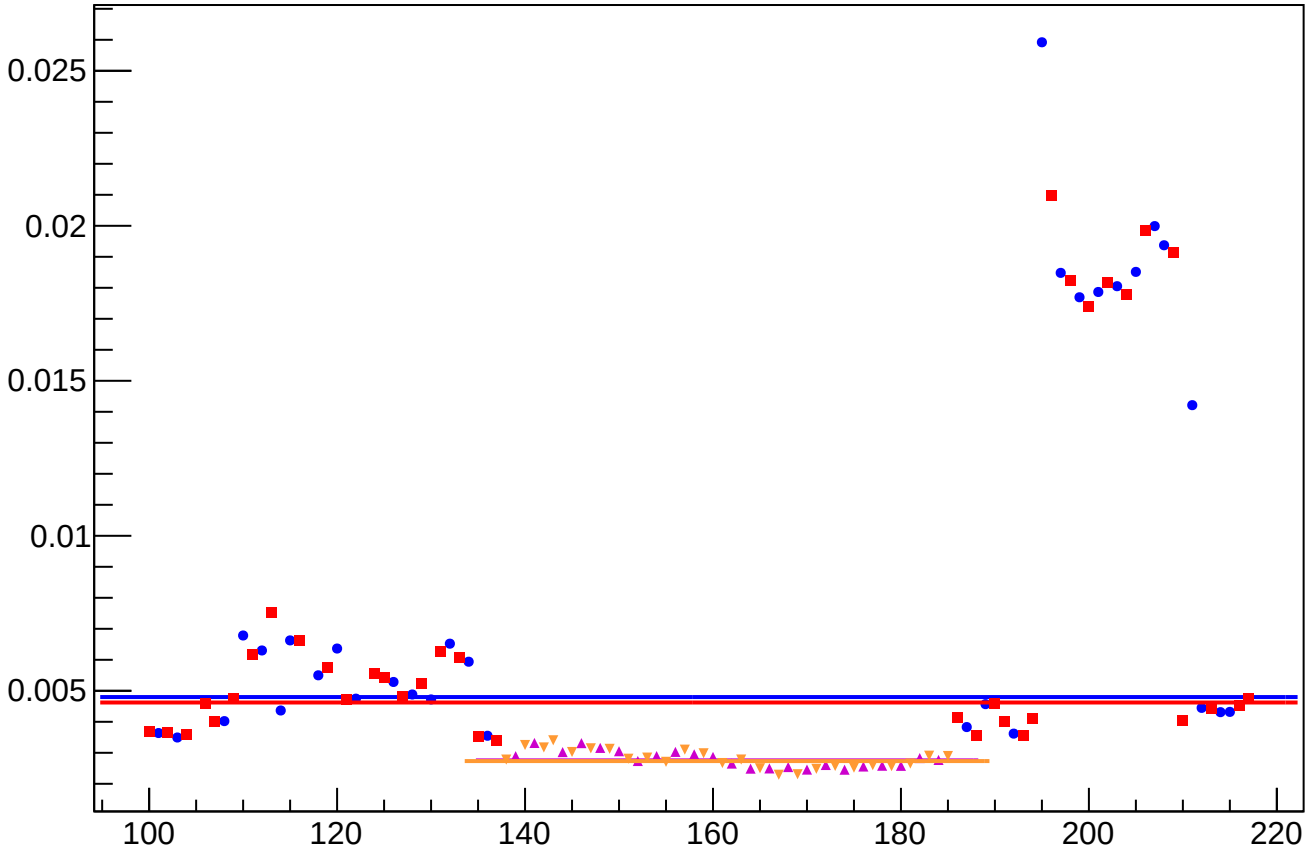
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.107+/-0.000 χ^2/NDF: 443037943897.7/55

All: -0.094+/-0.000 χ^2/NDF: 867022230039.1

- sign -0.082+/-0.000 χ^2/NDF: 423022707266.4/58

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9346851.0/30

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8011069.2/35

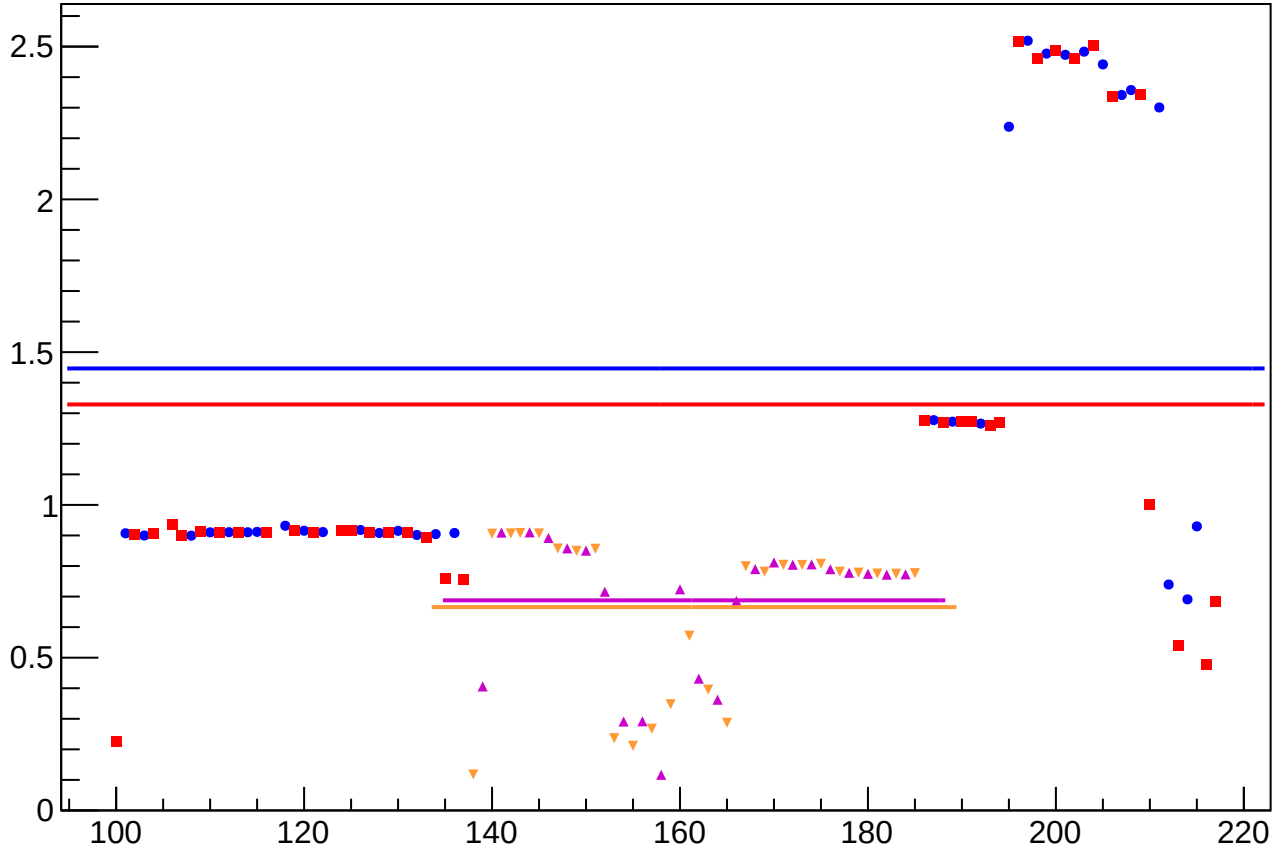
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 13746773.5/55

All: 0.003+/-0.000 χ^2/NDF: 25861615.4/114

- sign 0.003+/-0.000 χ^2/NDF: 12098674.0/58

yield_bpm0l09X_mean vs Slug



Right In: 1.447+/-0.000 χ^2/NDF: 56784660401.4/30

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.329+/-0.000 χ^2/NDF: 56313108273.8/35

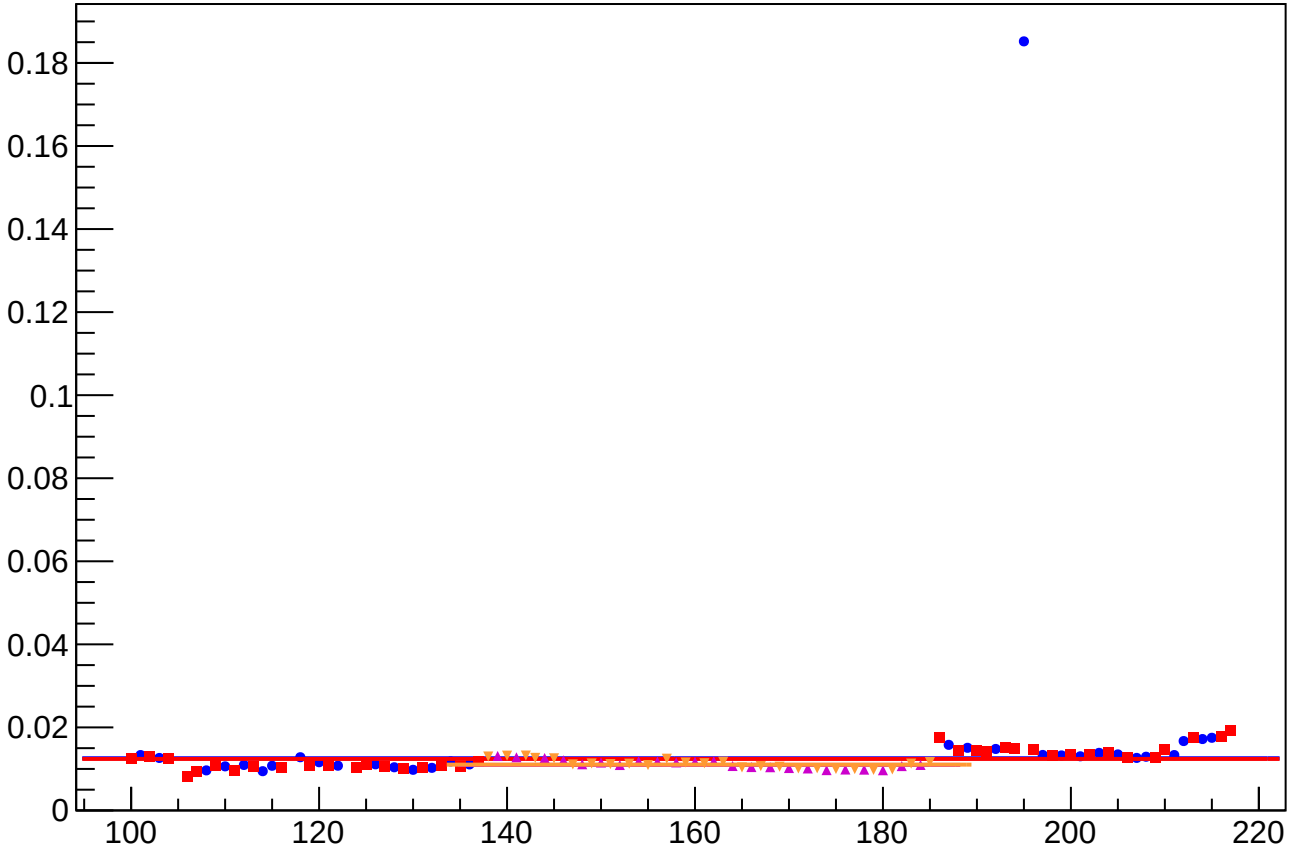
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.995+/-0.000 χ^2/NDF: 104954869581.1/55

All: 0.988+/-0.000 χ^2/NDF: 195526358676.1

- sign 0.980+/-0.000 χ^2/NDF: 90543209946.6/58

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2410876.3/30

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1364877.2/35

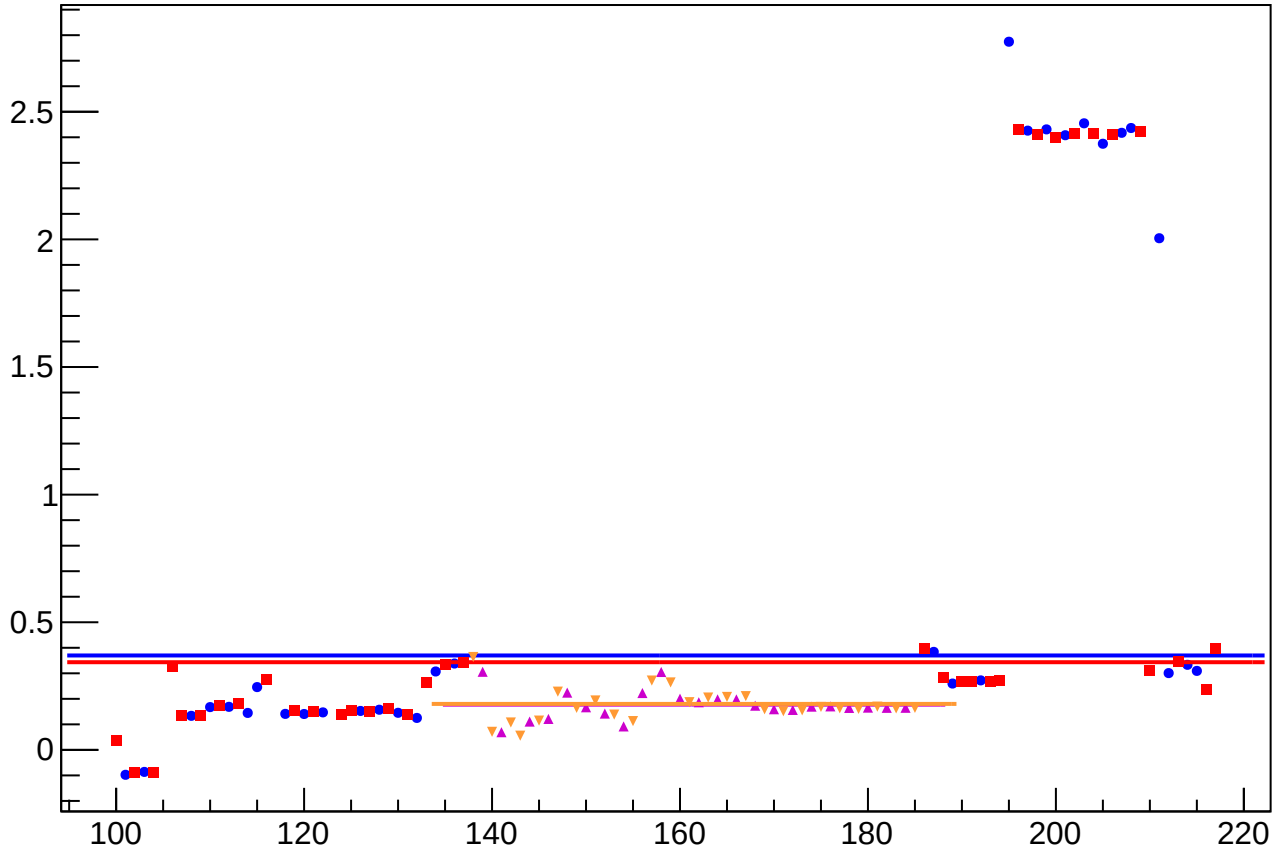
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3012748.5/55

All: 0.012+/-0.000 χ^2/NDF: 4942259.5/114

- sign 0.012+/-0.000 χ^2/NDF: 1928745.0/58

yield_bpm0l09Y_mean vs Slug



Right In: 0.370+/-0.000 χ^2/NDF: 191460161606.6/30

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.343+/-0.000 χ^2/NDF: 163930548914.8/35

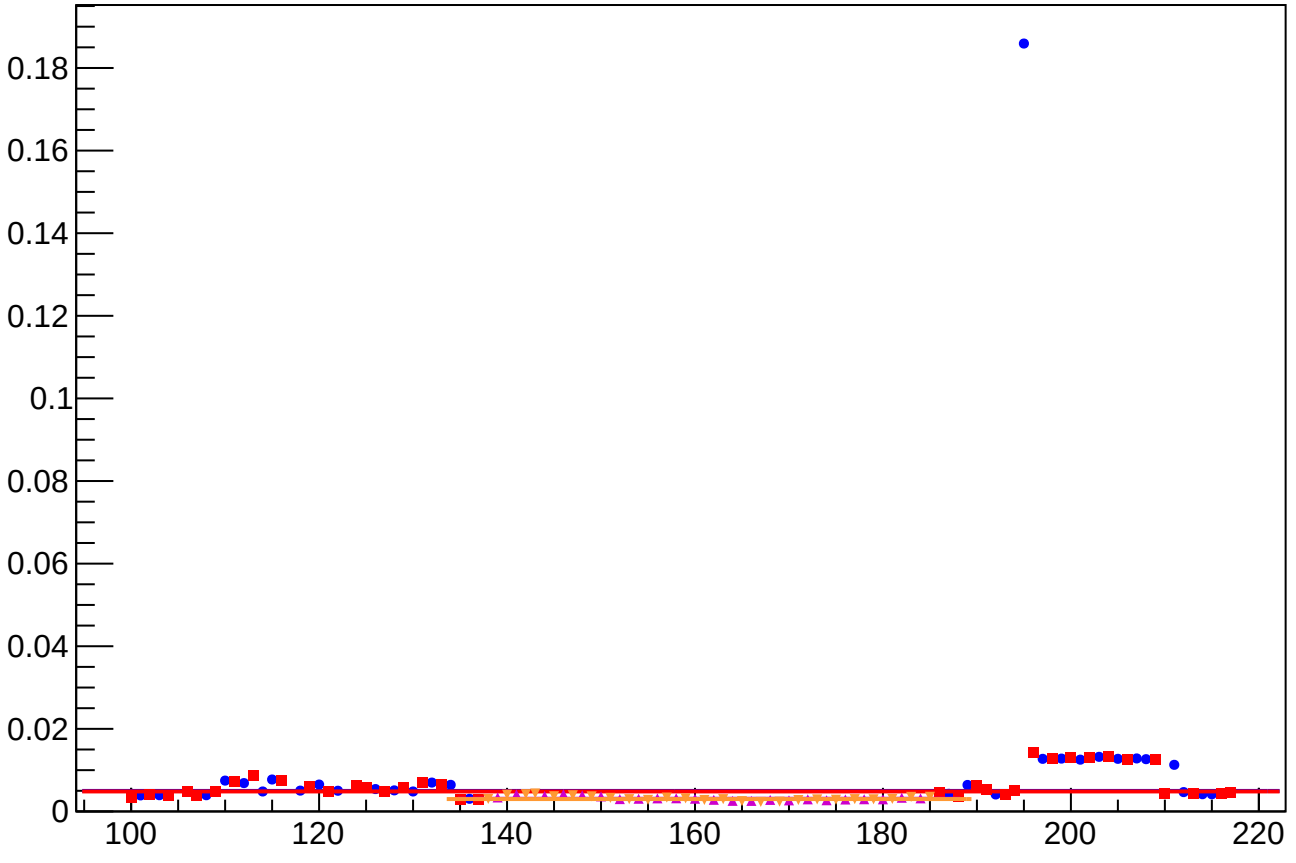
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.222+/-0.000 χ^2/NDF: 213561899652.3/55

All: 0.222+/-0.000 χ^2/NDF: 395346897050.8

- sign 0.222+/-0.000 χ^2/NDF: 181784988346.8/58

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7932672.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

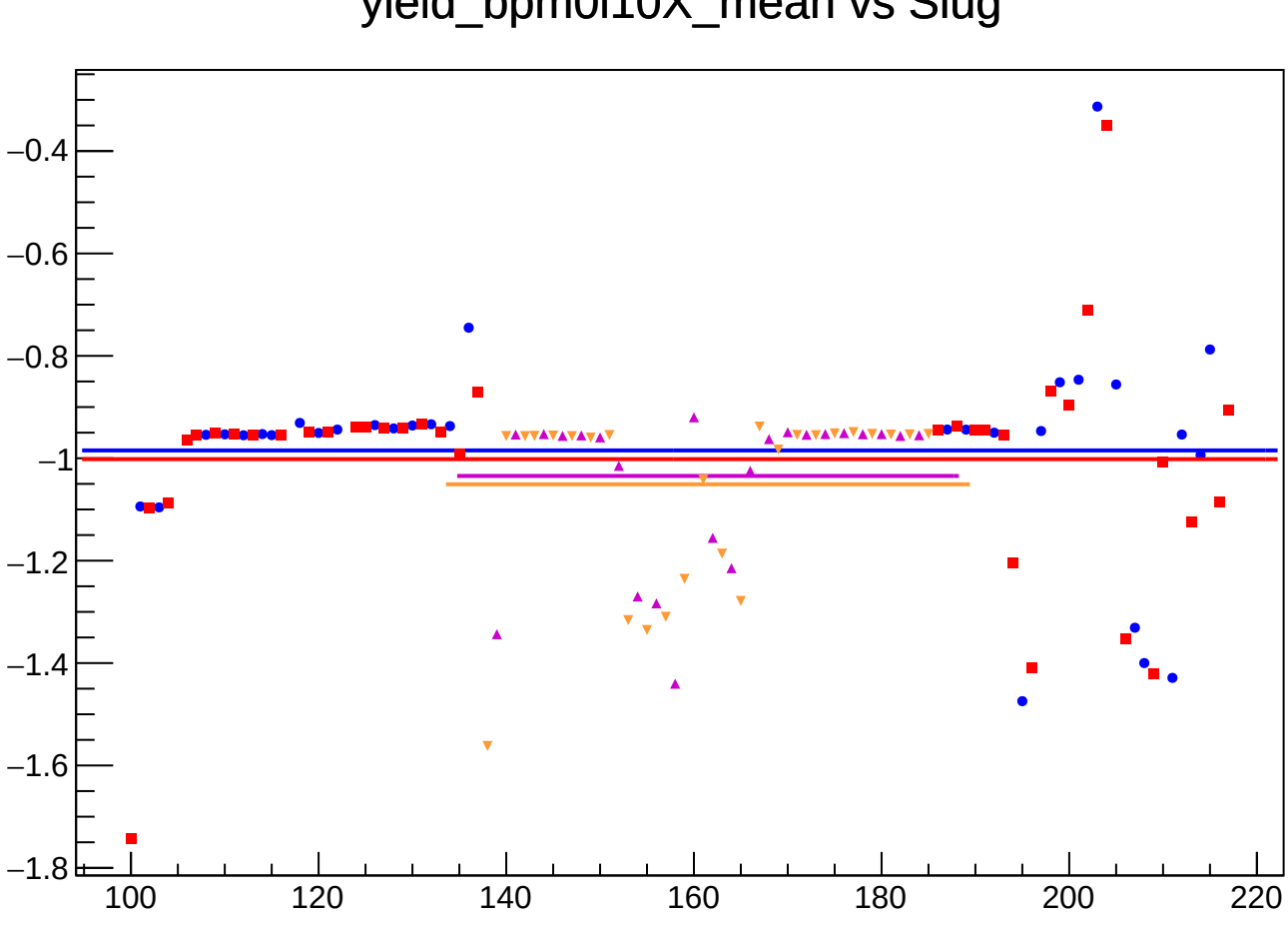
Right Out: 0.005+/-0.000 χ^2/NDF: 5974288.5/35

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 12176035.4/55

All: 0.003+/-0.000 χ^2/NDF: 21790200.9/114

- sign 0.004+/-0.000 χ^2/NDF: 9581332.8/58



Right In: -0.985+/-0.000 χ^2/NDF: 5971118179.9/30

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.002+/-0.000 χ^2/NDF: 5120324962.1/35

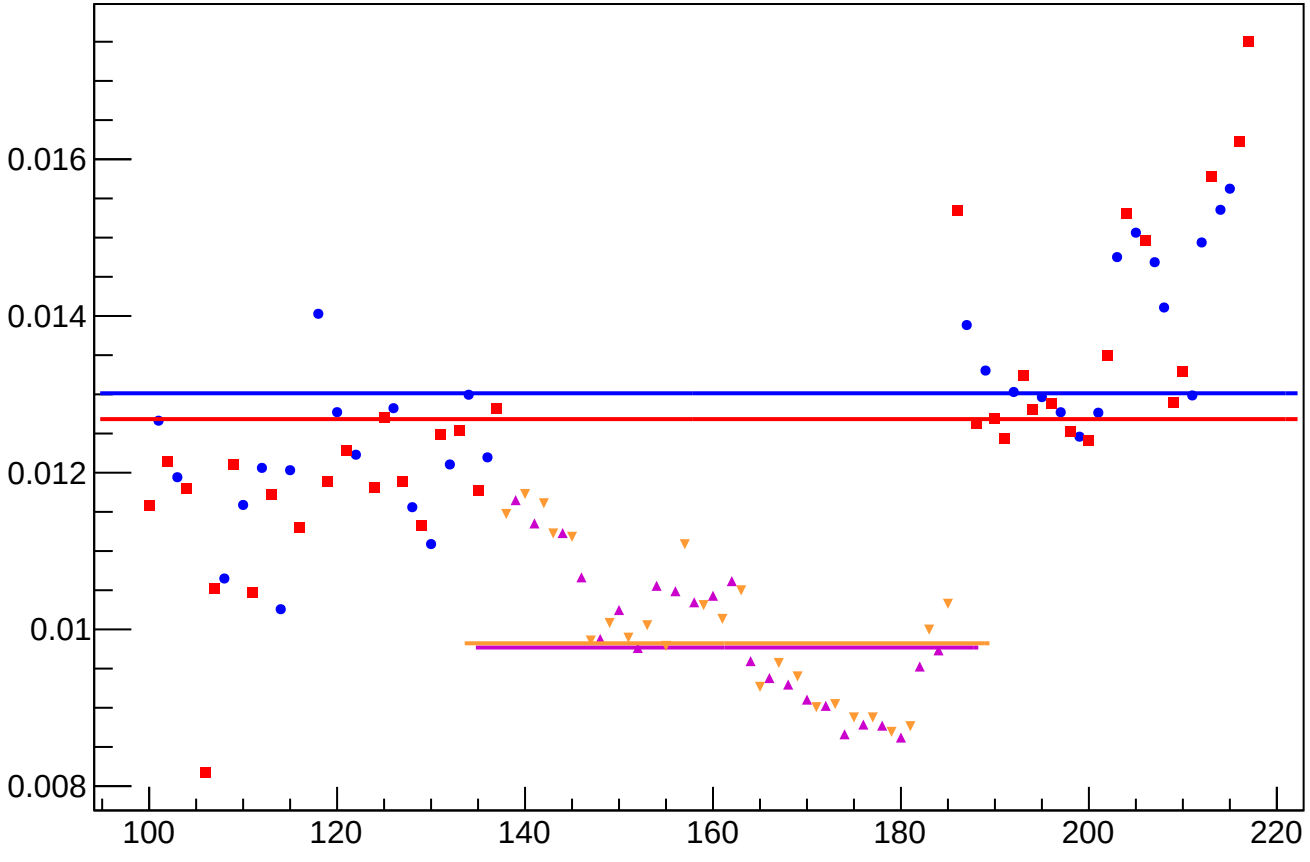
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.027+/-0.000 χ^2/NDF: 11357076080.7/55

All: -1.024+/-0.000 χ^2/NDF: 20486703236.1/

- sign -1.021+/-0.000 χ^2/NDF: 9125081197.7/58

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 358897.9/30

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

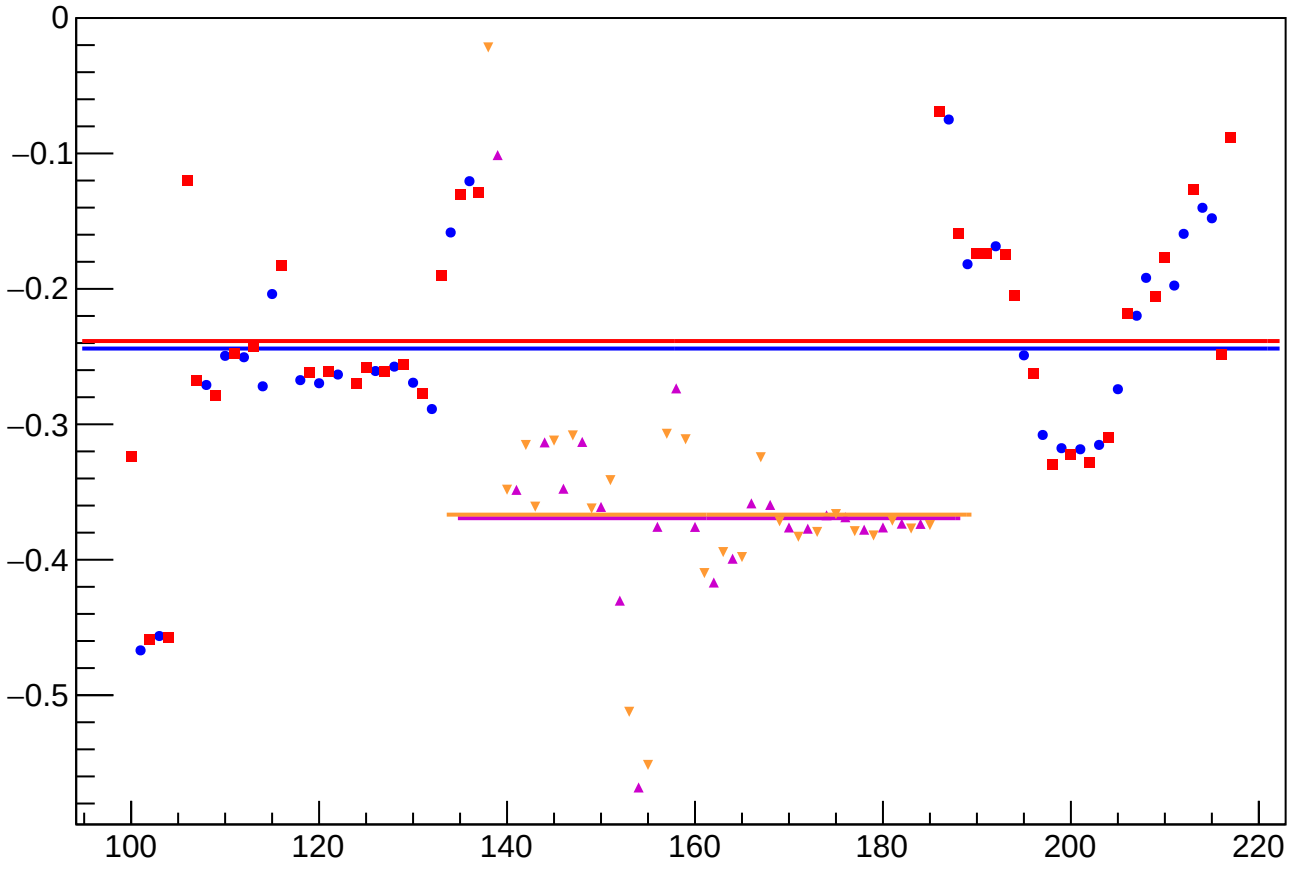
Right Out: 0.013+/-0.000 χ^2/NDF: 691895.8/35

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 2063957.5/55

All: 0.011+/-0.000 χ^2/NDF: 4284483.1/114

- sign 0.011+/-0.000 χ^2/NDF: 2219917.9/58



Right In: -0.244+/-0.000 χ^2/NDF: 10070520664.2/30

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.239+/-0.000 χ^2/NDF: 10836162333.6/35

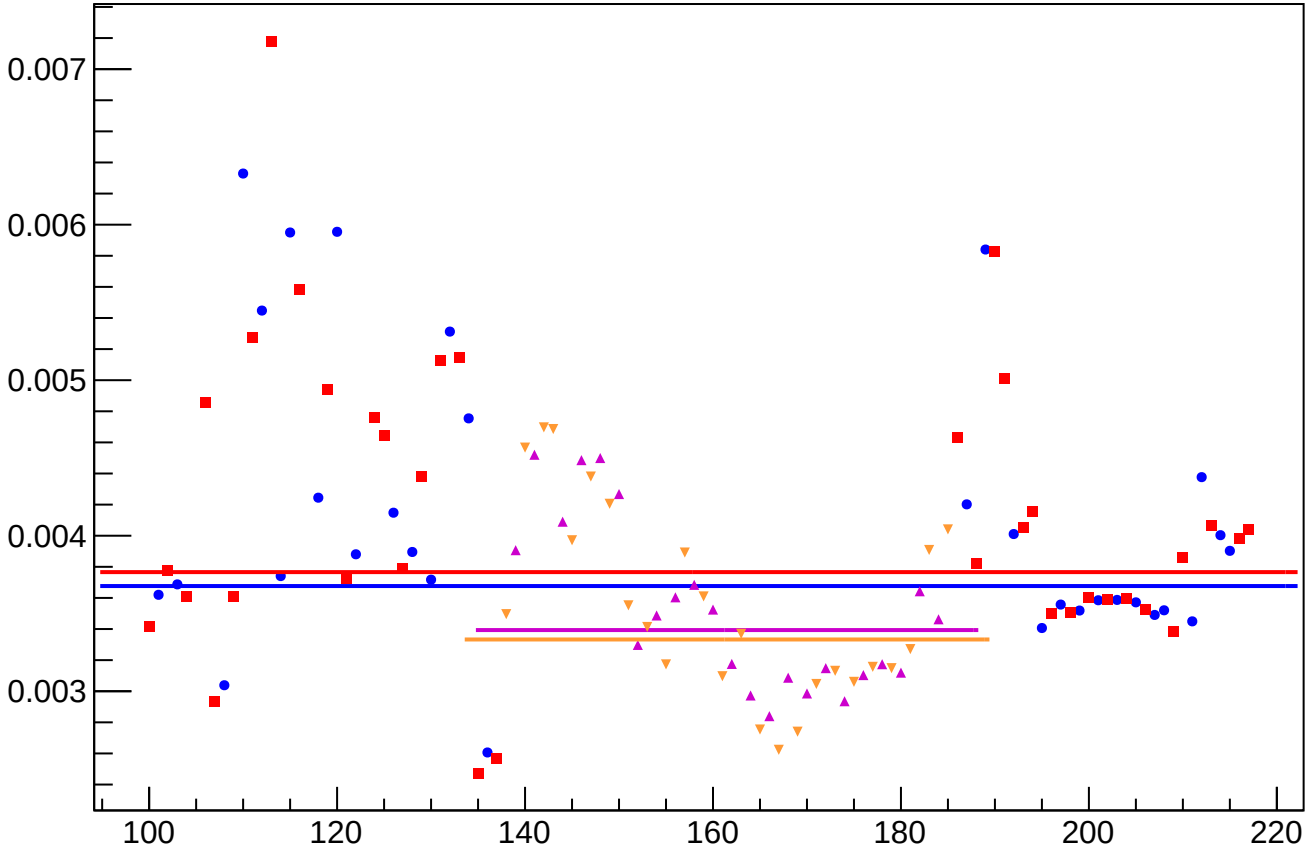
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.312+/-0.000 χ^2/NDF: 32648322491.8/55

All: -0.309+/-0.000 χ^2/NDF: 62838637702.0/

- sign -0.307+/-0.000 χ^2/NDF: 30158113234.8/58

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 976176.3/30

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1135676.7/35

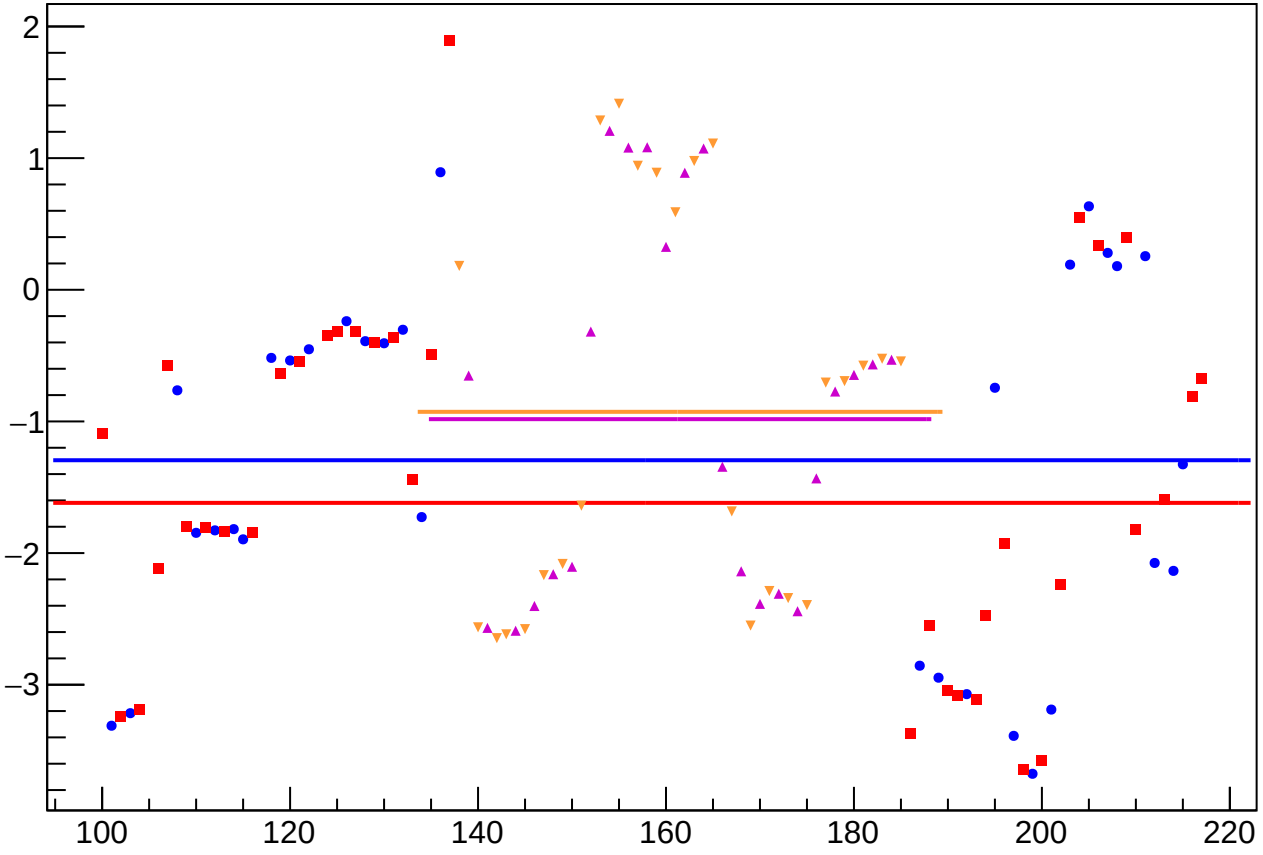
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 2000812.3/55

All: 0.004+/-0.000 χ^2/NDF: 3980611.8/114

- sign 0.004+/-0.000 χ^2/NDF: 1959877.3/58

yield_bpm0r03X_mean vs Slug



Right In: -1.295+/-0.000 χ^2/NDF: 7084168306.8/30

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

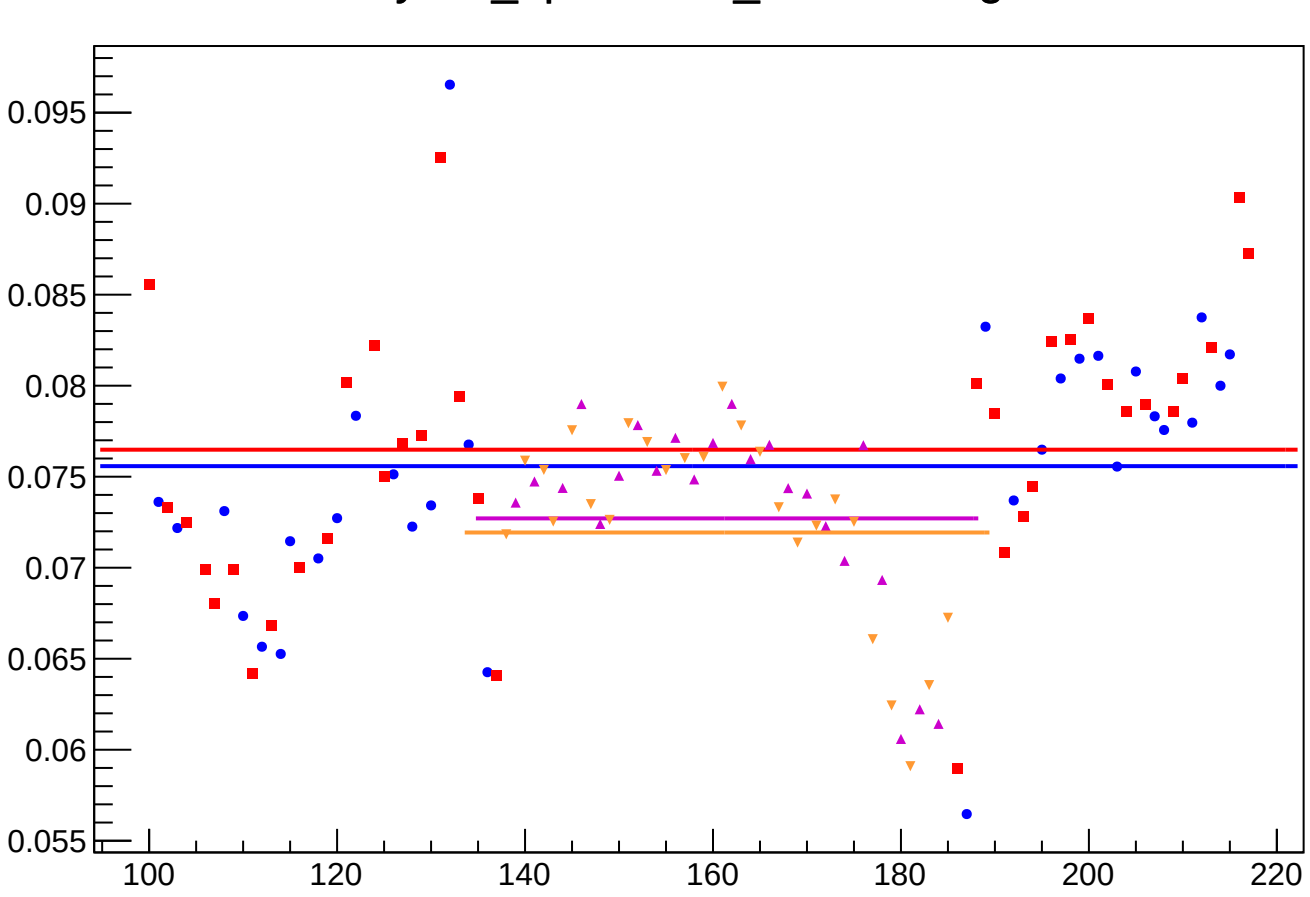
Right Out: -1.619+/-0.000 χ^2/NDF: 6165618788.6/35

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.101+/-0.000 χ^2/NDF: 14567682561.5/55

All: -1.202+/-0.000 χ^2/NDF: 27486618950.6/

- sign -1.304+/-0.000 χ^2/NDF: 12776774590.1/58



Right In: 0.076+/-0.000 χ^2/NDF: 263033.8/30

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

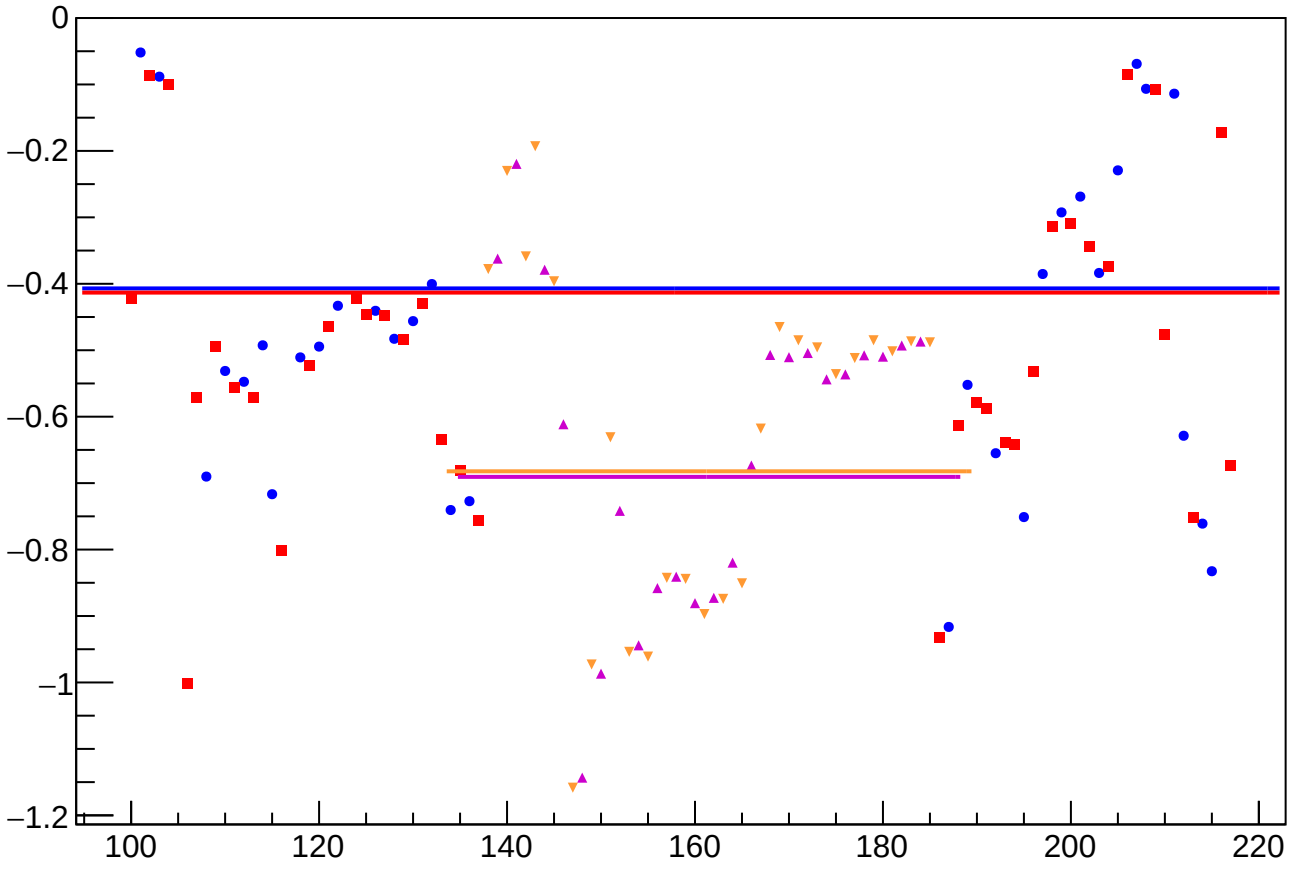
Right Out: 0.076+/-0.000 χ^2/NDF: 330184.4/35

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.074+/-0.000 χ^2/NDF: 544710.6/55

All: 0.074+/-0.000 χ^2/NDF: 1126991.8/114

- sign 0.075+/-0.000 χ^2/NDF: 575973.2/58



Right In: -0.407+/-0.000 χ^2/NDF: 19244743897.5/30

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.413+/-0.000 χ^2/NDF: 13942526361.2/35

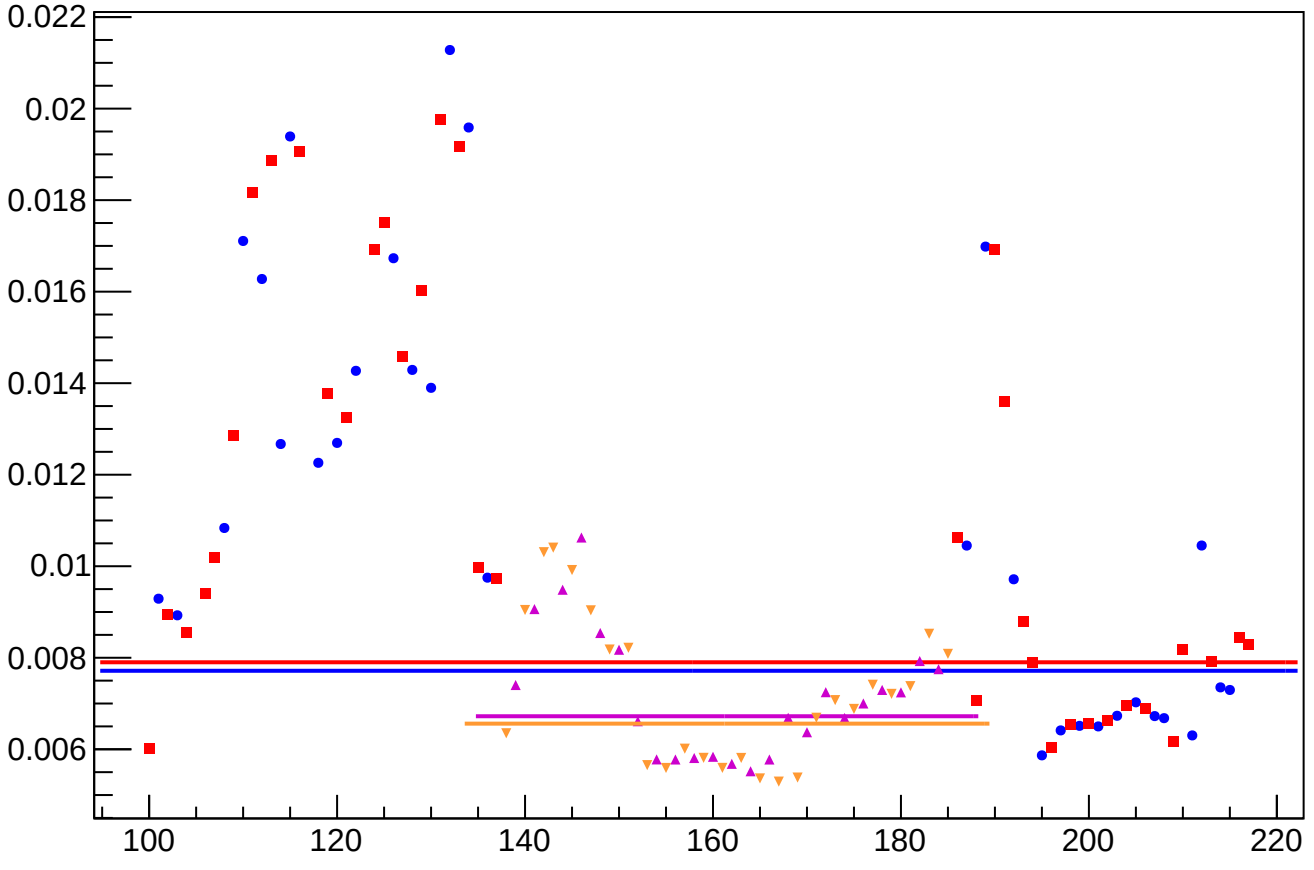
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.571+/-0.000 χ^2/NDF: 53522927459.7/55

All: -0.572+/-0.000 χ^2/NDF: 96495214684.4/

- sign -0.572+/-0.000 χ^2/NDF: 42972197417.8/58

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3192770.2/30

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3266758.5/35

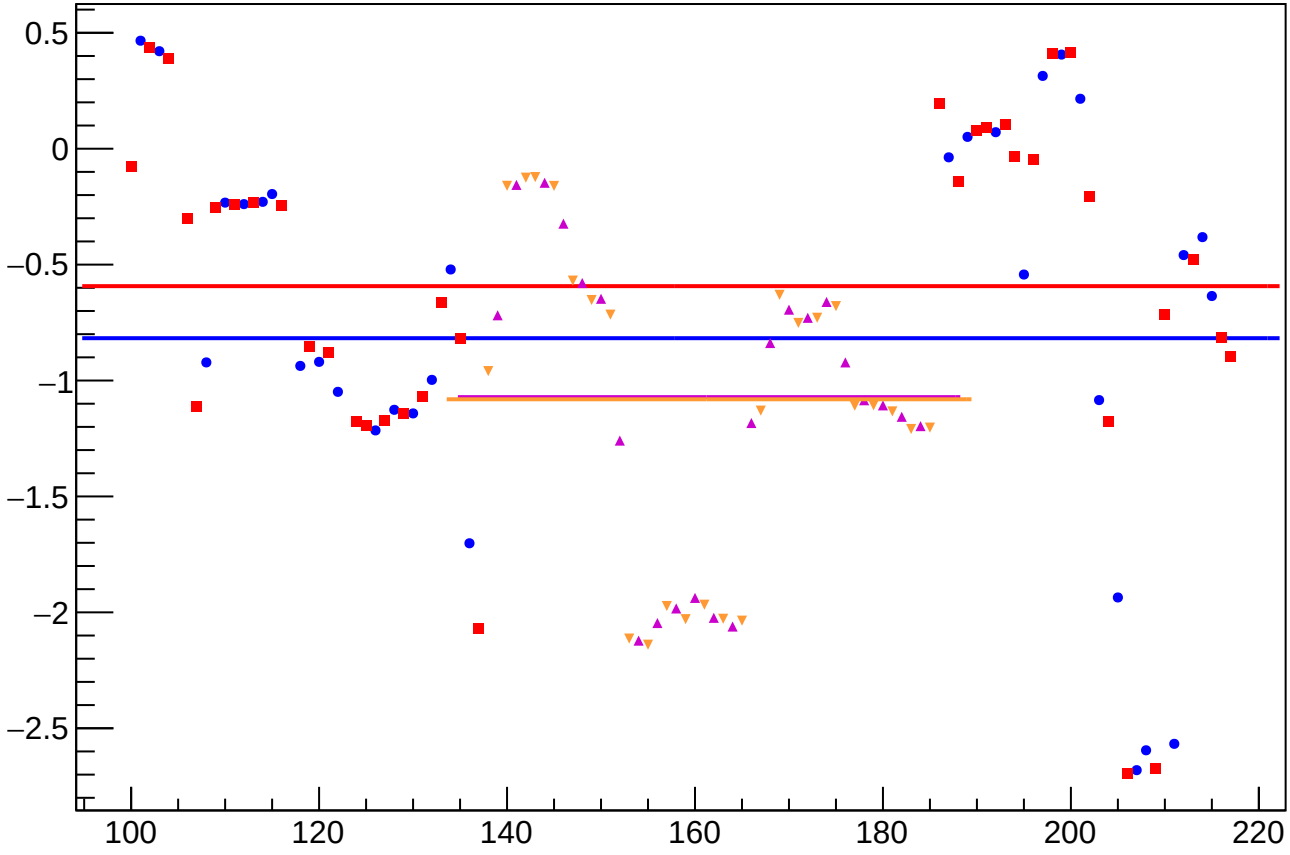
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5035657.0/55

All: 0.007+/-0.000 χ^2/NDF: 9729883.3/114

- sign 0.007+/-0.000 χ^2/NDF: 4667341.0/58

yield_bpm0r05X_mean vs Slug



Right In: -0.817+/-0.000 χ^2/NDF: 1986058174.3/30

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.593+/-0.000 χ^2/NDF: 1672744796.7/35

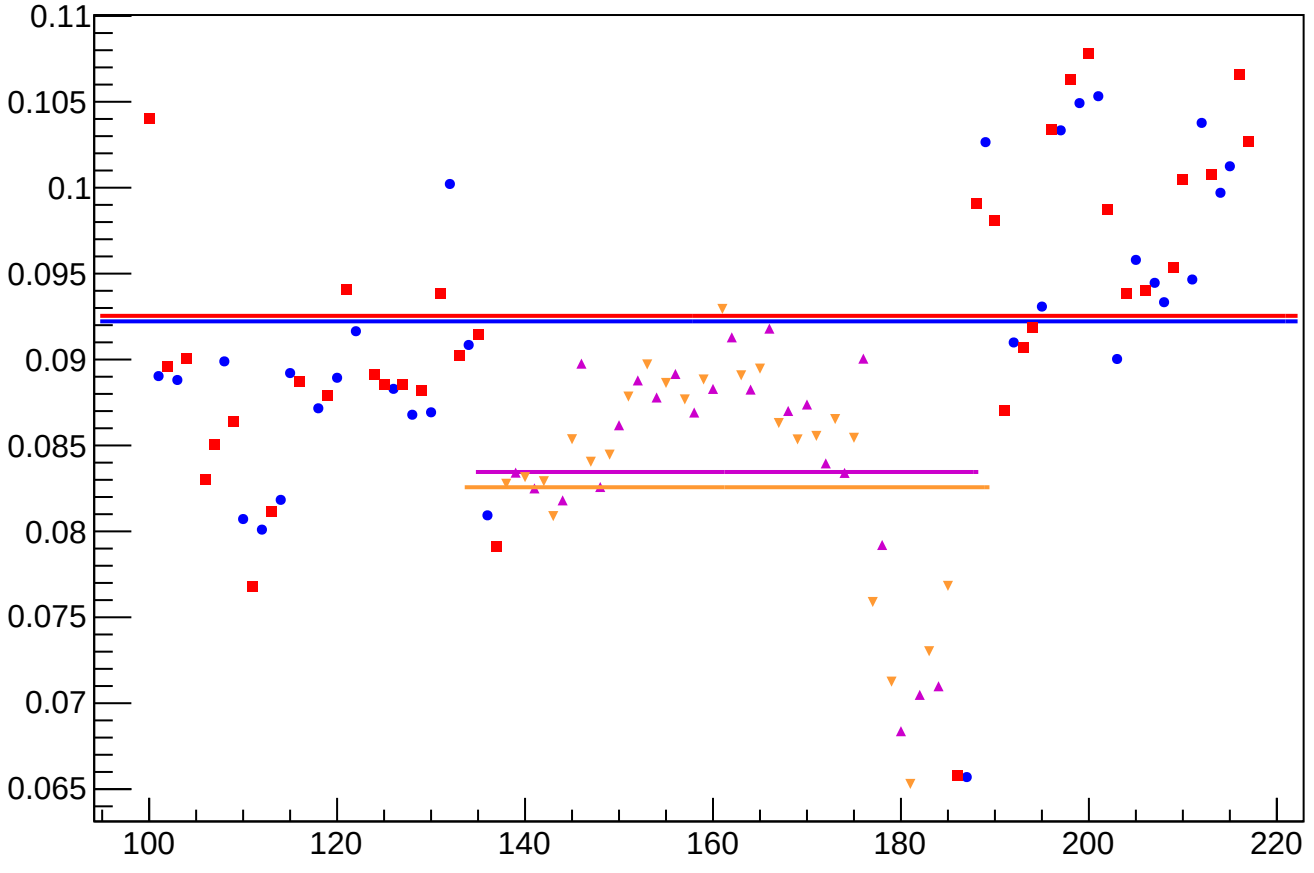
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.964+/-0.000 χ^2/NDF: 3224804757.3/55

All: -0.904+/-0.000 χ^2/NDF: 6194913837.3/1

- sign -0.842+/-0.000 χ^2/NDF: 2933198708.9/58

yield_bpm0r05X_rms vs Slug



Right In: 0.092+/-0.000 χ^2/NDF: 292431.1/30

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 406309.2/35

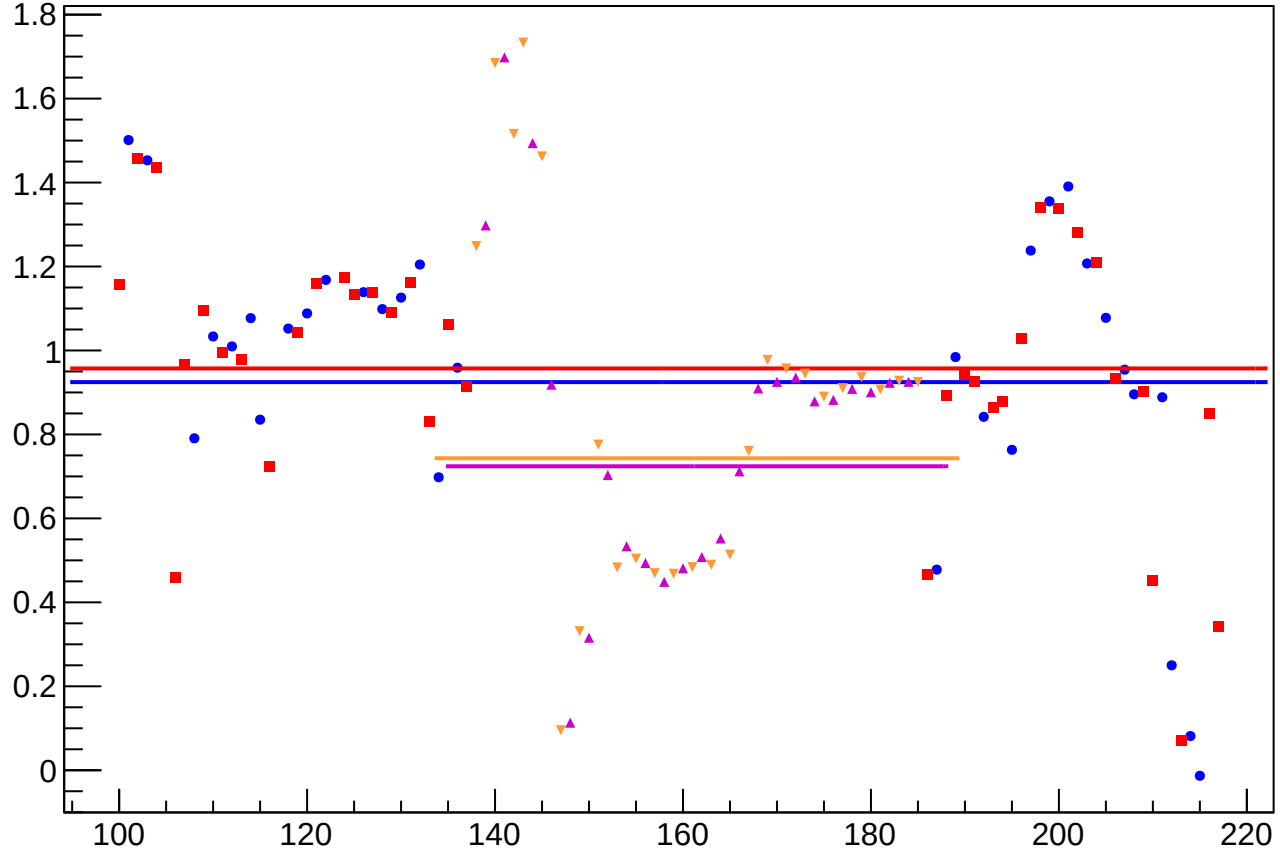
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 815576.2/55

All: 0.087+/-0.000 χ^2/NDF: 1670040.4/114

- sign 0.088+/-0.000 χ^2/NDF: 849949.0/58

yield_bpm0r05Y_mean vs Slug



Right In: 0.925+/-0.000 χ^2/NDF: 22470072179.9/30

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.957+/-0.000 χ^2/NDF: 15948040247.3/35

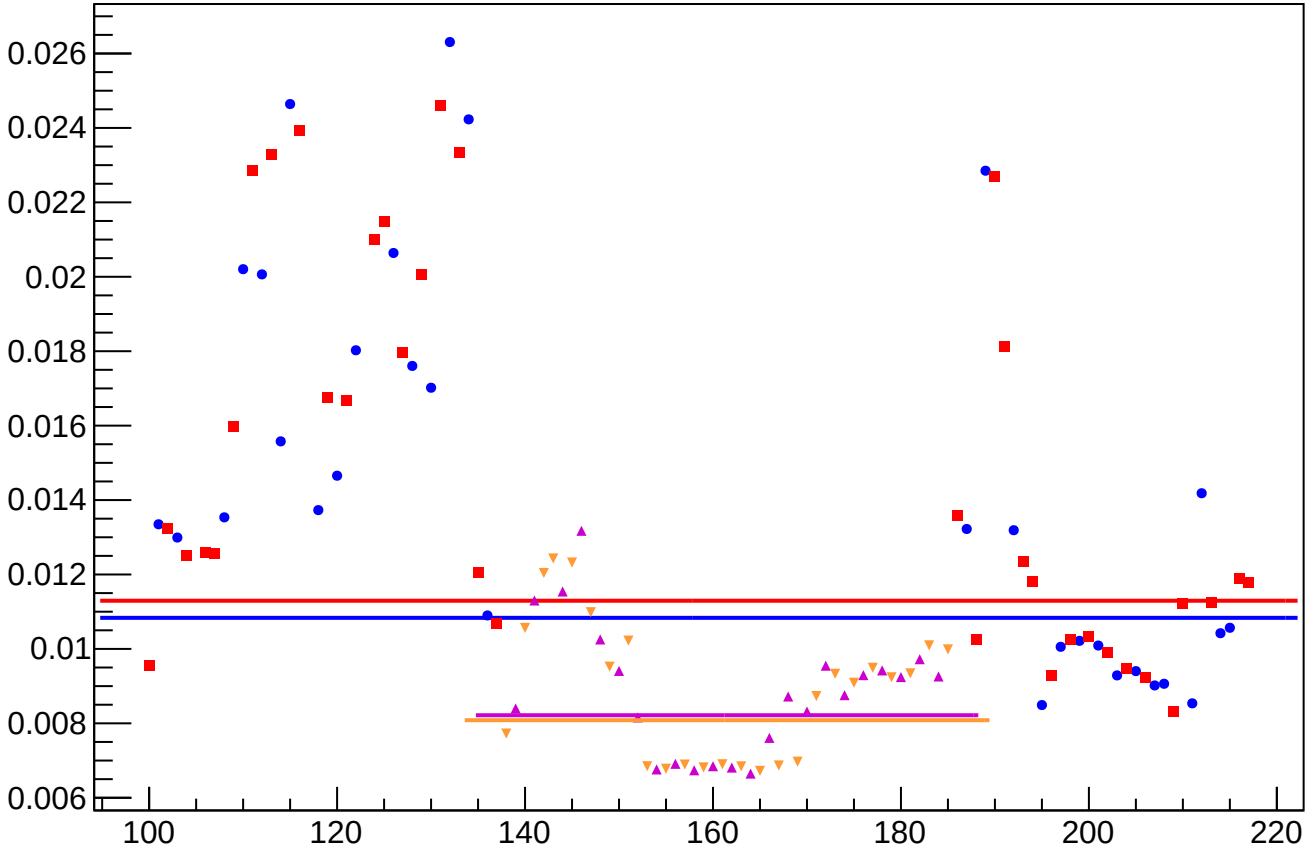
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.806+/-0.000 χ^2/NDF: 58129533918.4/55

All: 0.807+/-0.000 χ^2/NDF: 104566338771.5

- sign 0.808+/-0.000 χ^2/NDF: 46435909921.9/58

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2399072.8/30

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2463821.3/35

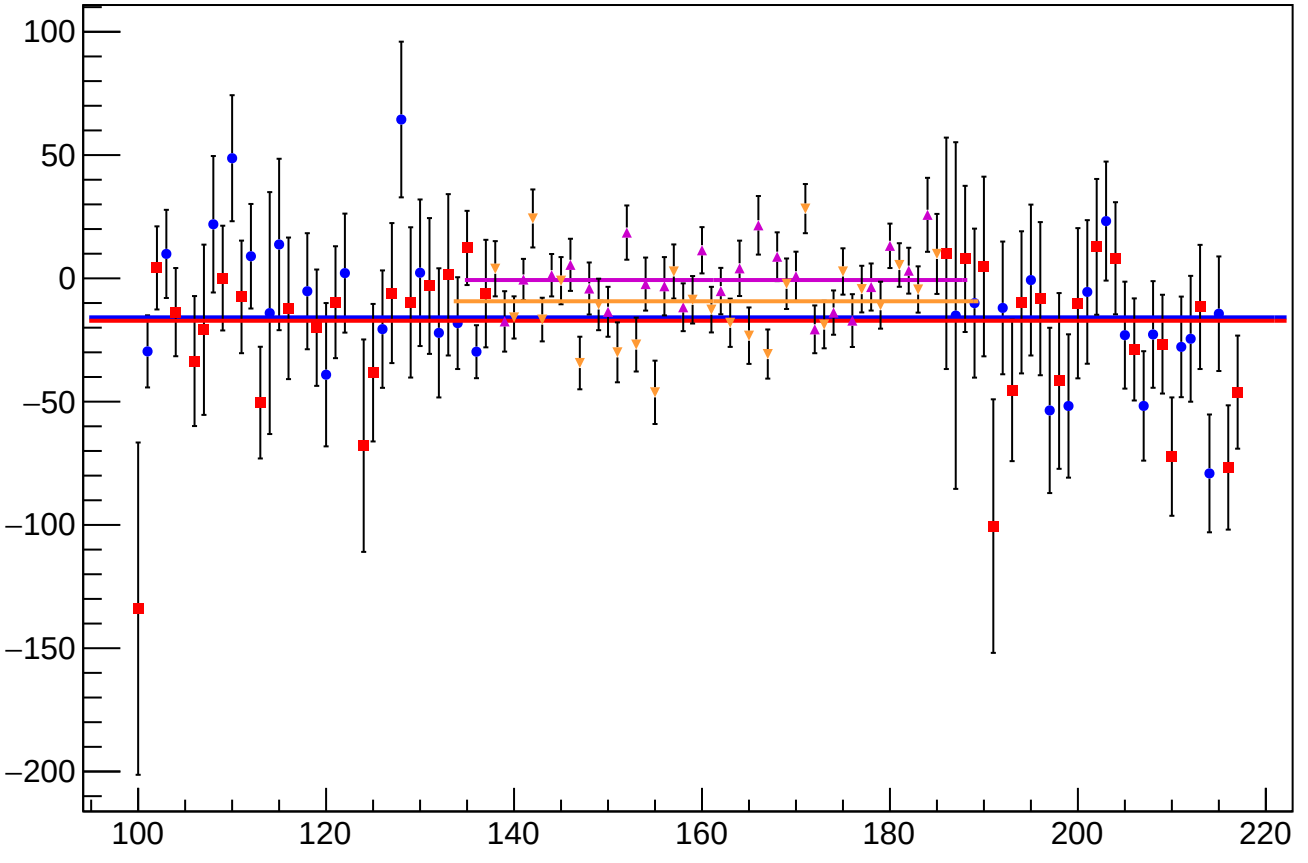
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5221548.7/55

All: 0.009+/-0.000 χ^2/NDF: 10531437.5/114

- sign 0.009+/-0.000 χ^2/NDF: 5276030.2/58

diff_bpm4aX_mean vs Slug



Right In: -15.810+/-4.142 χ^2/NDF: 39.5/30

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

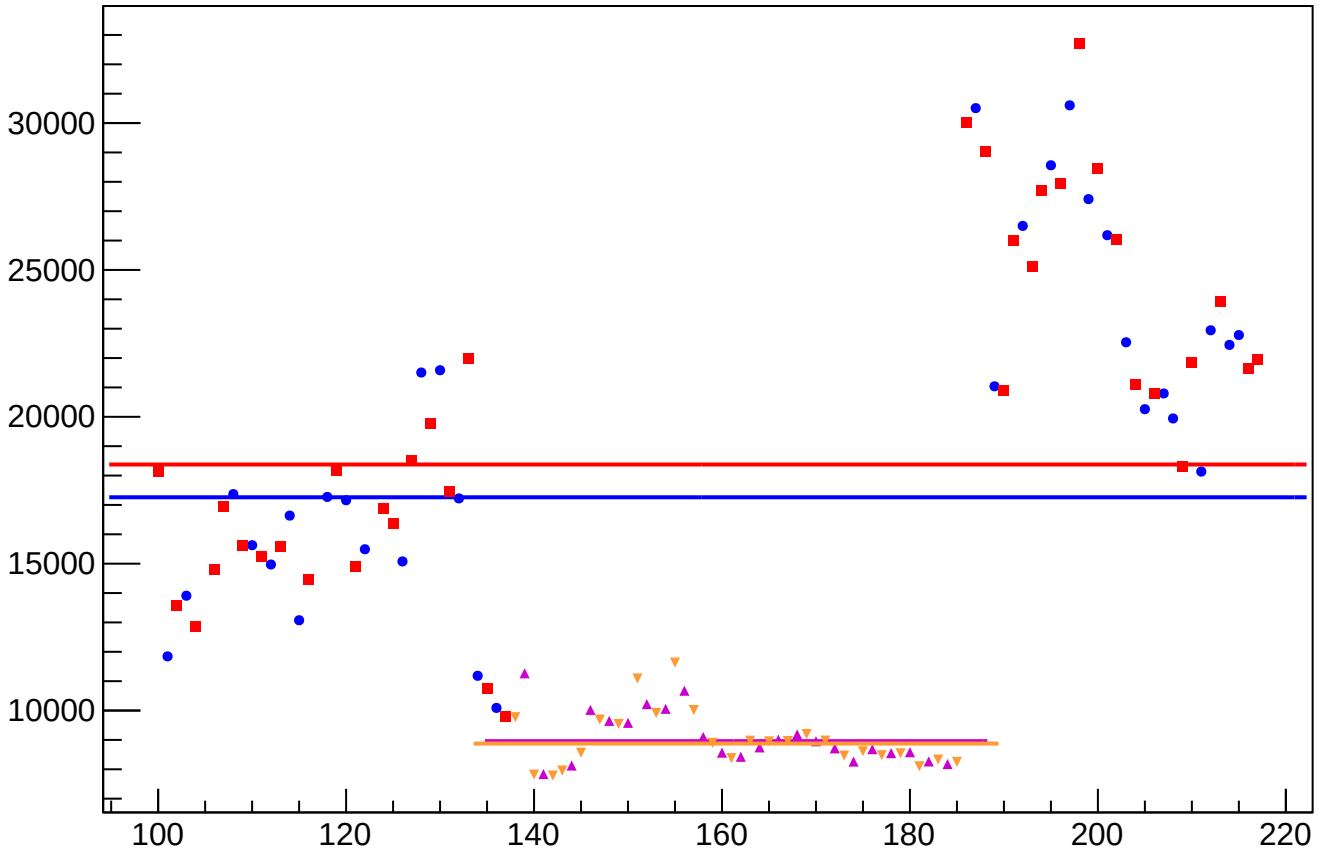
Right Out: -17.195+/-4.226 χ^2/NDF: 36.2/35

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -10.554+/-1.823 χ^2/NDF: 102.6/55

All: -7.364+/-1.310 χ^2/NDF: 186.8/114

- sign -3.958+/-1.884 χ^2/NDF: 77.9/58



Right In: 17260.518+/-2.929 χ^2/NDF: 3501329.7/30

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18376.535+/-2.988 χ^2/NDF: 3364032.0/35

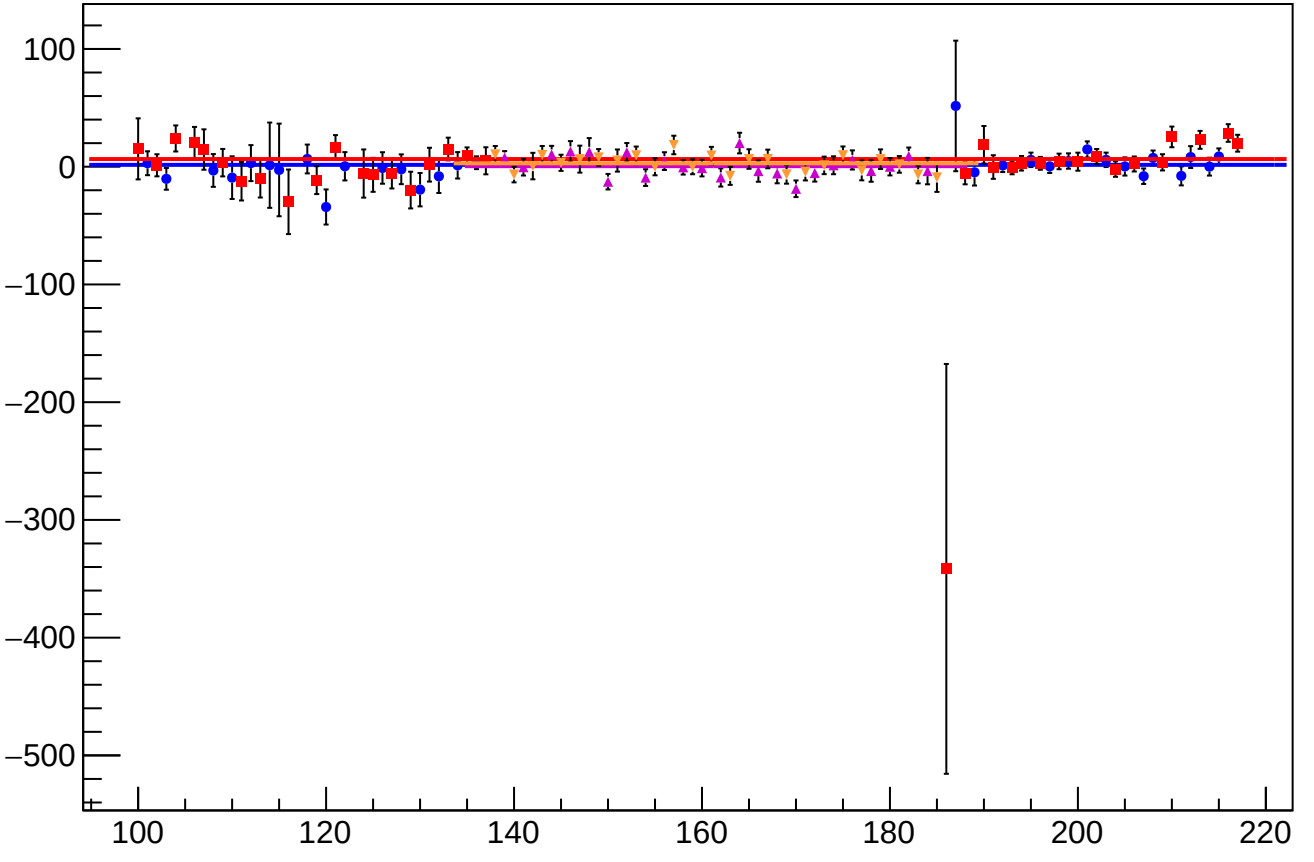
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10500.162+/-1.289 χ^2/NDF: 10455440.3/55

All: 10659.652+/-0.926 χ^2/NDF: 22113209.5

- sign 10829.863+/-1.332 χ^2/NDF: 11626134.4/58

diff_bpm4aY_mean vs Slug



Right In: 1.584+/-1.547 χ^2/NDF: 23.1/30

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

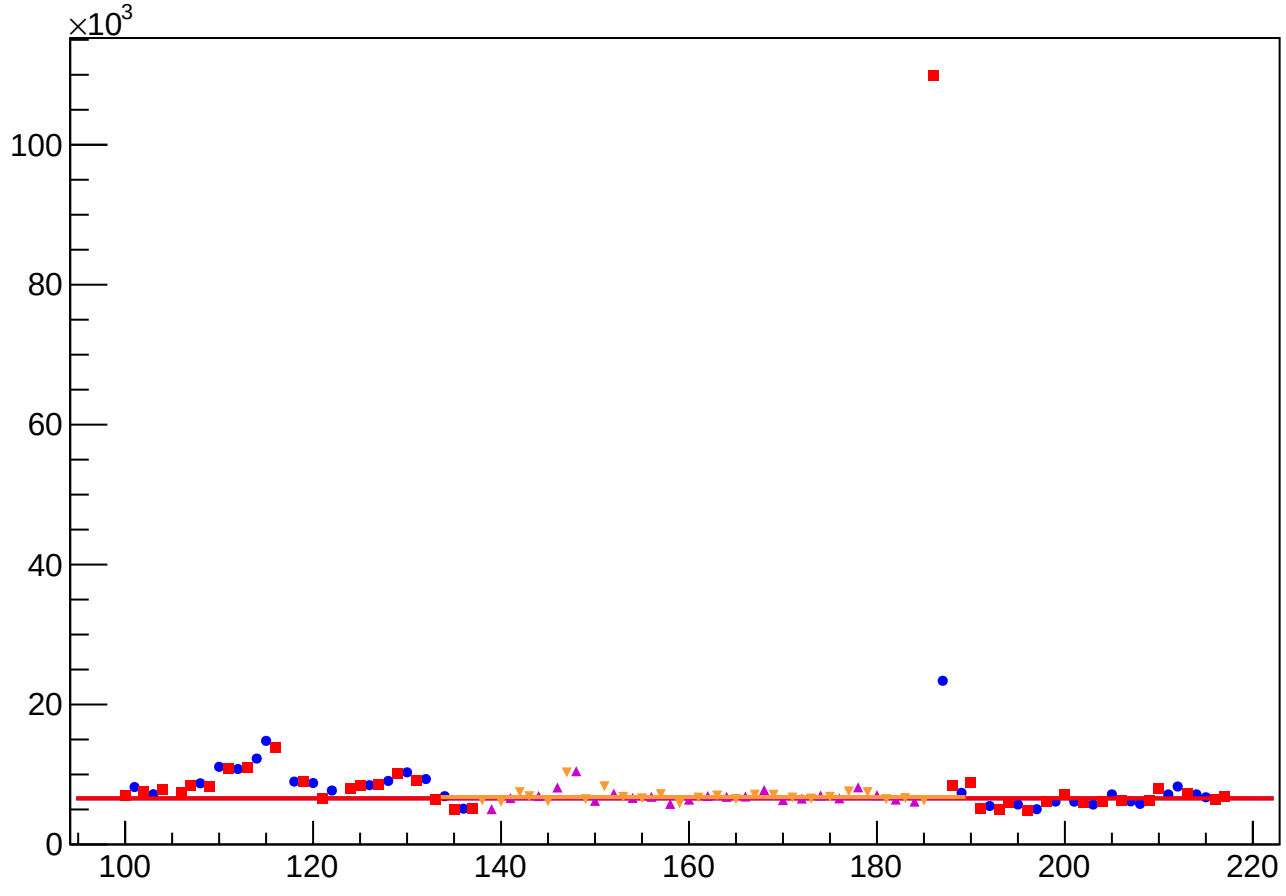
Right Out: 6.486+/-1.505 χ^2/NDF: 50.9/35

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.229+/-1.096 χ^2/NDF: 42.9/55

All: 2.928+/-0.773 χ^2/NDF: 135.1/114

- sign 3.619+/-1.090 χ^2/NDF: 91.4/58



Right In: 6587.392+/-1.094 χ^2/NDF: 1799314.7/30

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

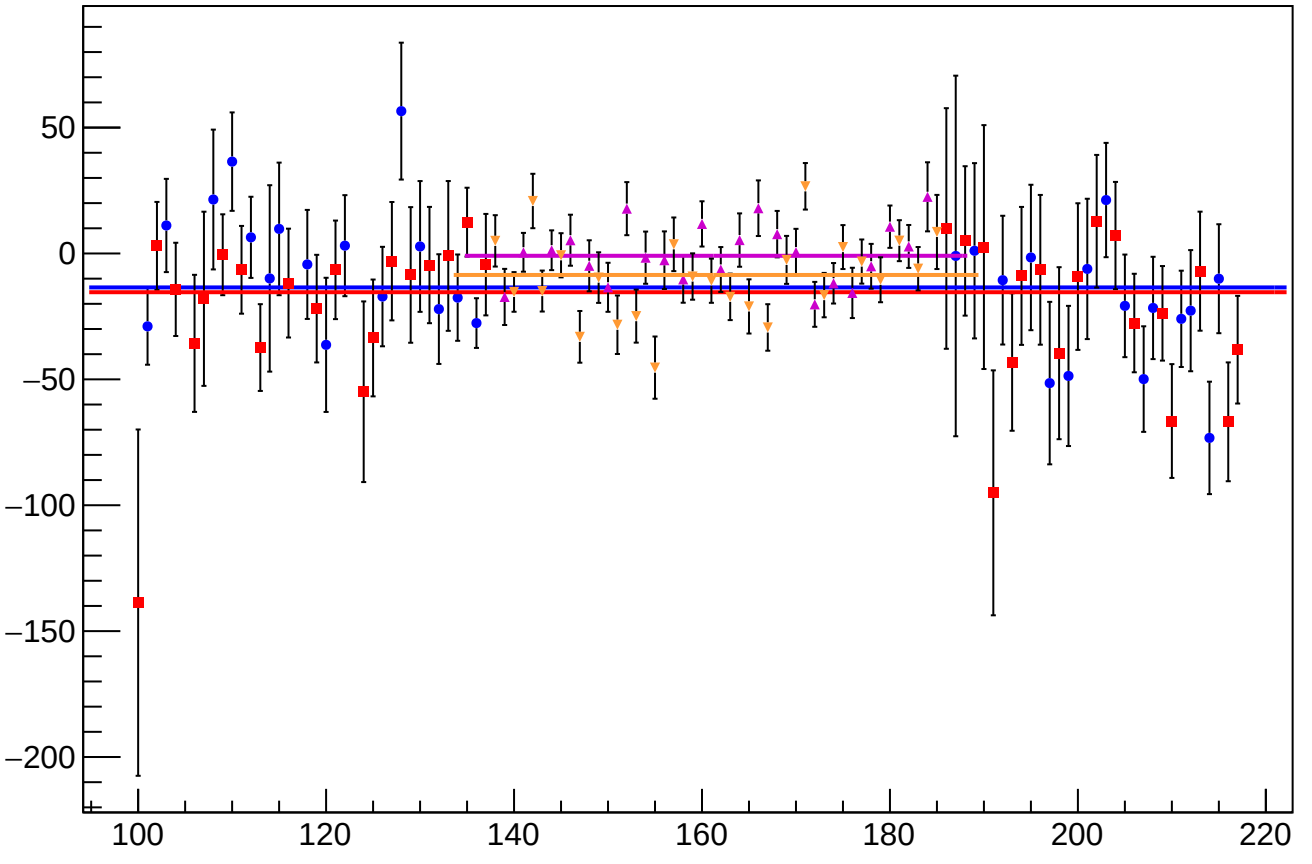
Right Out: 6582.637+/-1.064 χ^2/NDF: 2405594.8/35

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6681.682+/-0.775 χ^2/NDF: 2214392.4/55

All: 6657.435+/-0.547 χ^2/NDF: 5247005.1/11

- sign 6633.458+/-0.771 χ^2/NDF: 3030667.4/58



Right In: -13.484+/-3.799 χ^2/NDF: 41.0/30

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

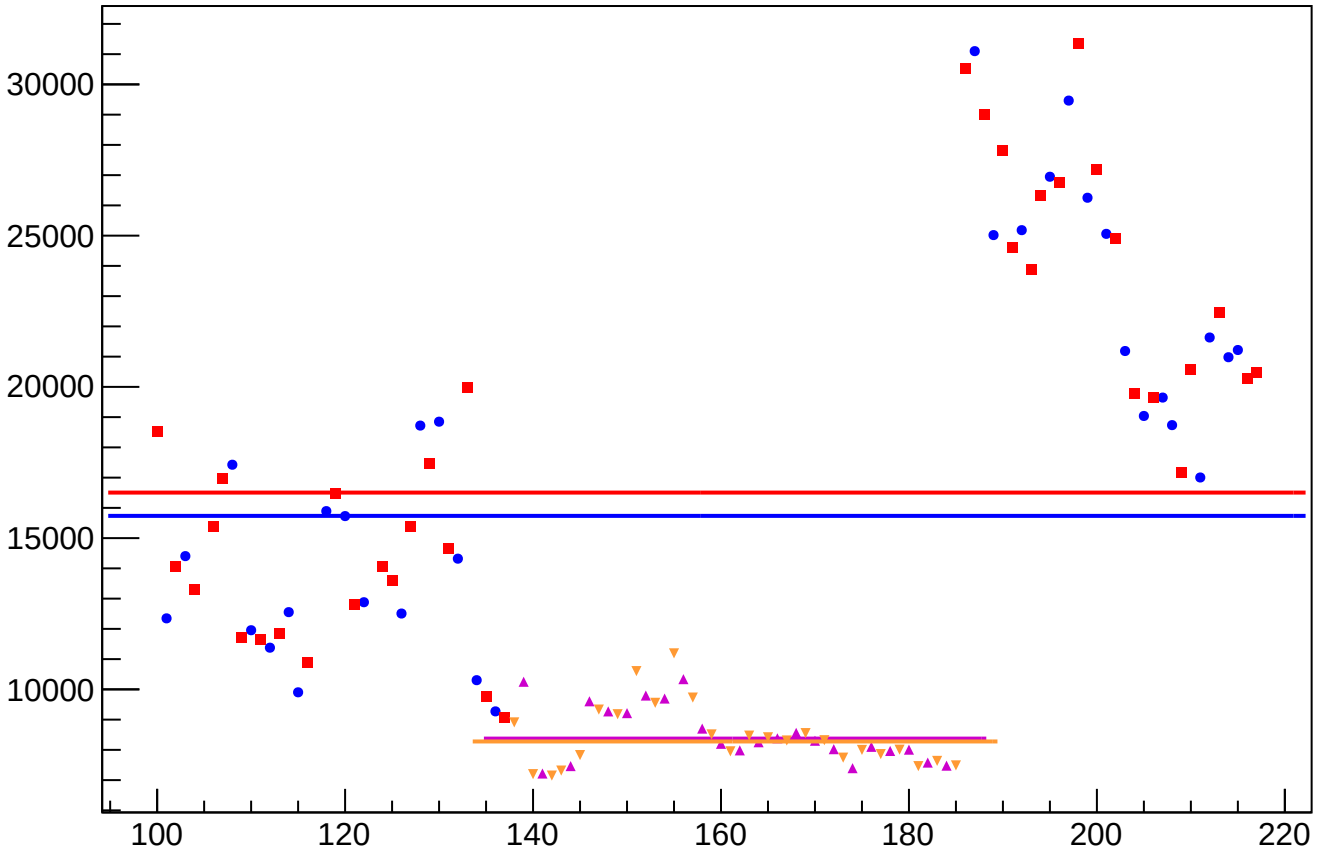
Right Out: -15.388+/-3.841 χ^2/NDF: 34.3/35

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -9.524+/-1.697 χ^2/NDF: 104.3/55

All: -6.816+/-1.219 χ^2/NDF: 184.2/114

\- sign -3.930+/-1.752 χ^2/NDF: 74.6/58



Right In: 15735.695+/-2.686 χ^2/NDF: 3992976.6/30

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

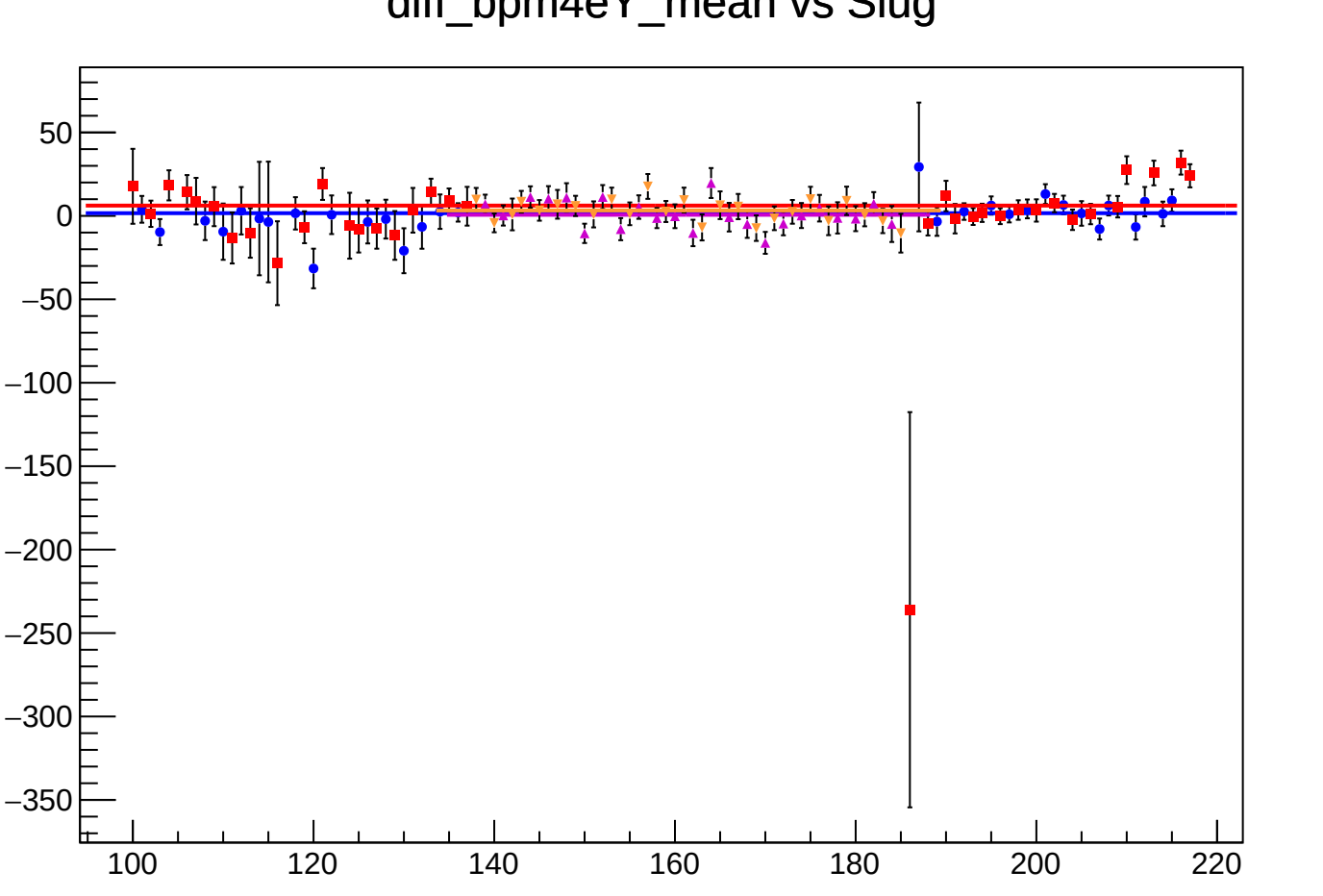
Right Out: 16505.674+/-2.716 χ^2/NDF: 4231193.8/35

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9765.784+/-1.200 χ^2/NDF: 10617989.4/55

All: 9910.454+/-0.862 χ^2/NDF: 22373286.7/1

- sign 10064.691+/-1.239 χ^2/NDF: 11725263.0/58



Right In: 1.625+/-1.403 χ^2/NDF: 26.4/30

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

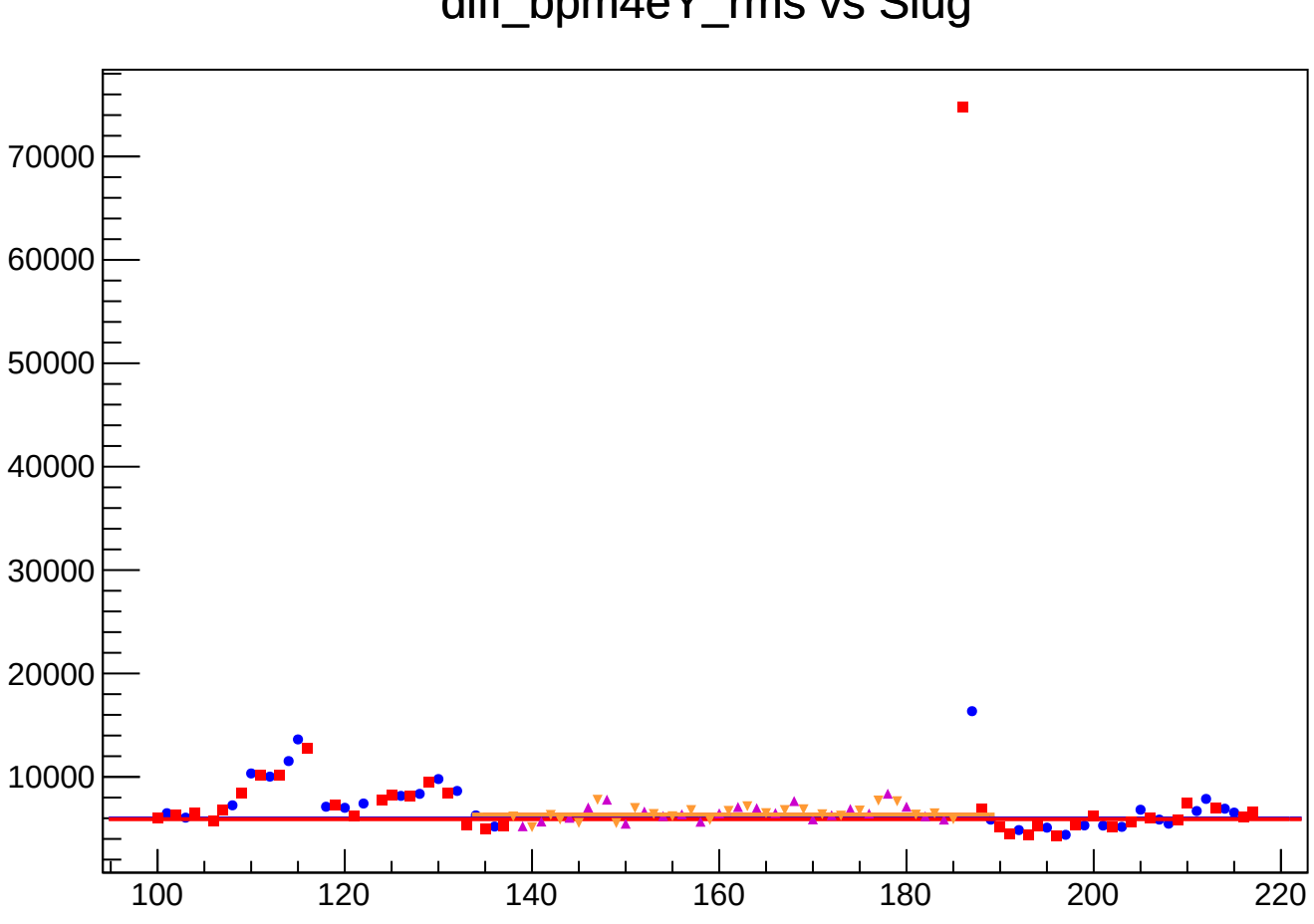
Right Out: 6.170+/-1.349 χ^2/NDF: 64.7/35

Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.409+/-1.011 χ^2/NDF: 44.7/55

All: 3.059+/-0.712 χ^2/NDF: 148.5/114

- sign 3.698+/-1.003 χ^2/NDF: 103.0/58



Right In: 5981.688+/-0.992 χ^2/NDF: 1777653.6/30

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5910.533+/-0.954 χ^2/NDF: 2454422.2/35

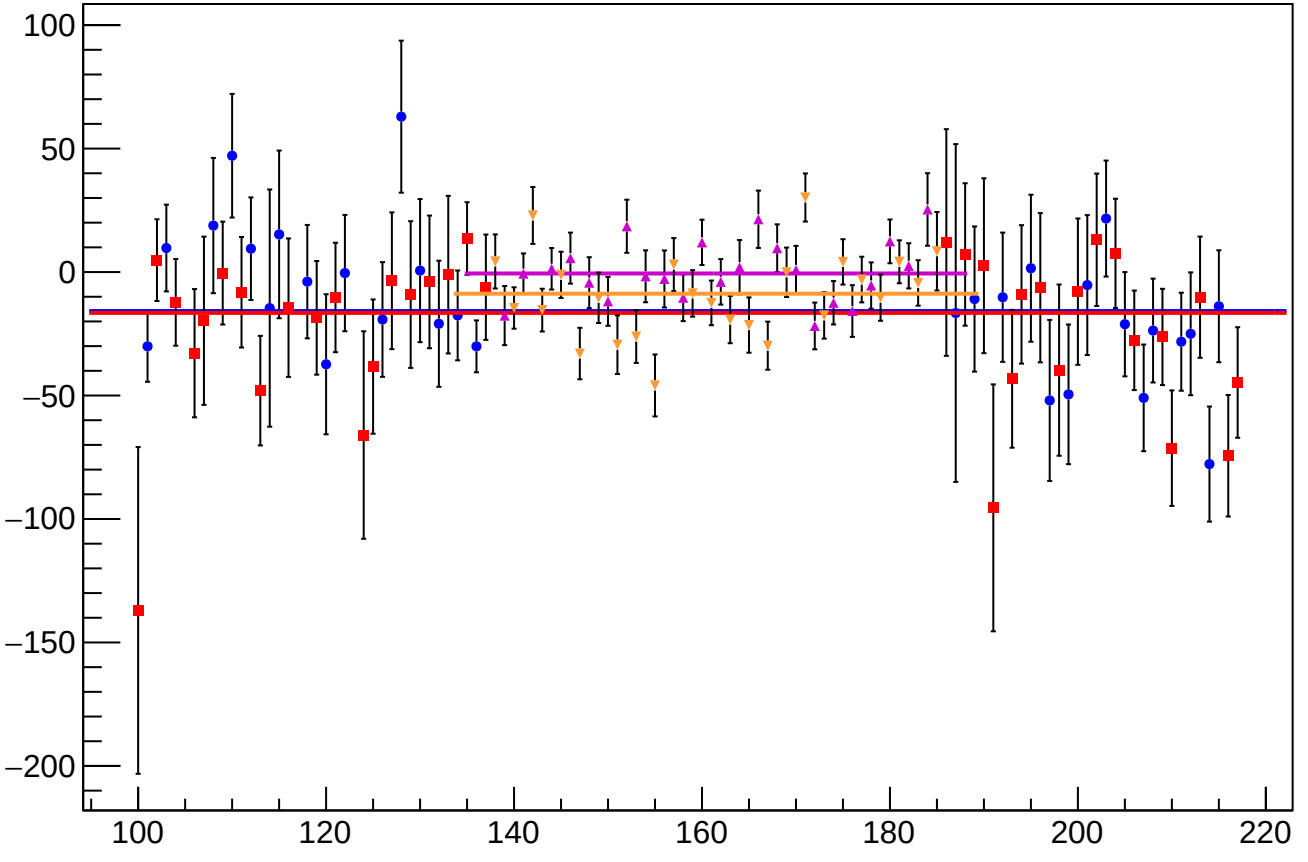
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6162.570+/-0.715 χ^2/NDF: 2260833.2/55

All: 6136.883+/-0.503 χ^2/NDF: 5290979.7/11

- sign 6111.598+/-0.709 χ^2/NDF: 3027583.5/58

diff_bpm4acX_mean vs Slug



Right In: -15.805+/-4.046 χ^2/NDF: 39.6/30

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

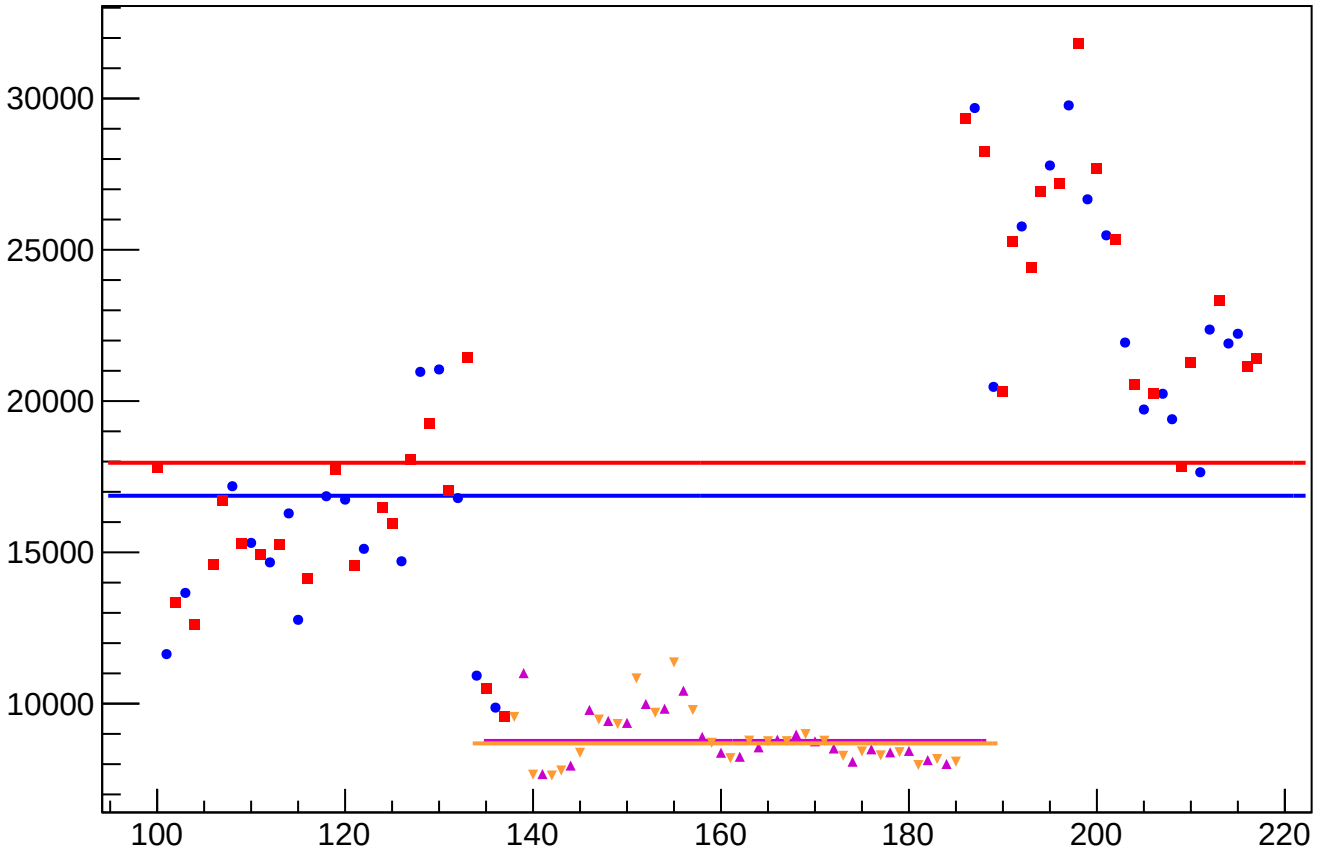
Right Out: -16.536+/-4.127 χ^2/NDF: 36.6/35

Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -10.134+/-1.783 χ^2/NDF: 104.7/55

All: -7.051+/-1.281 χ^2/NDF: 189.0/114

- sign -3.759+/-1.843 χ^2/NDF: 78.1/58



Right In: 16870.984+/-2.861 χ^2/NDF: 3450382.9/30

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17961.196+/-2.918 χ^2/NDF: 3310424.7/35

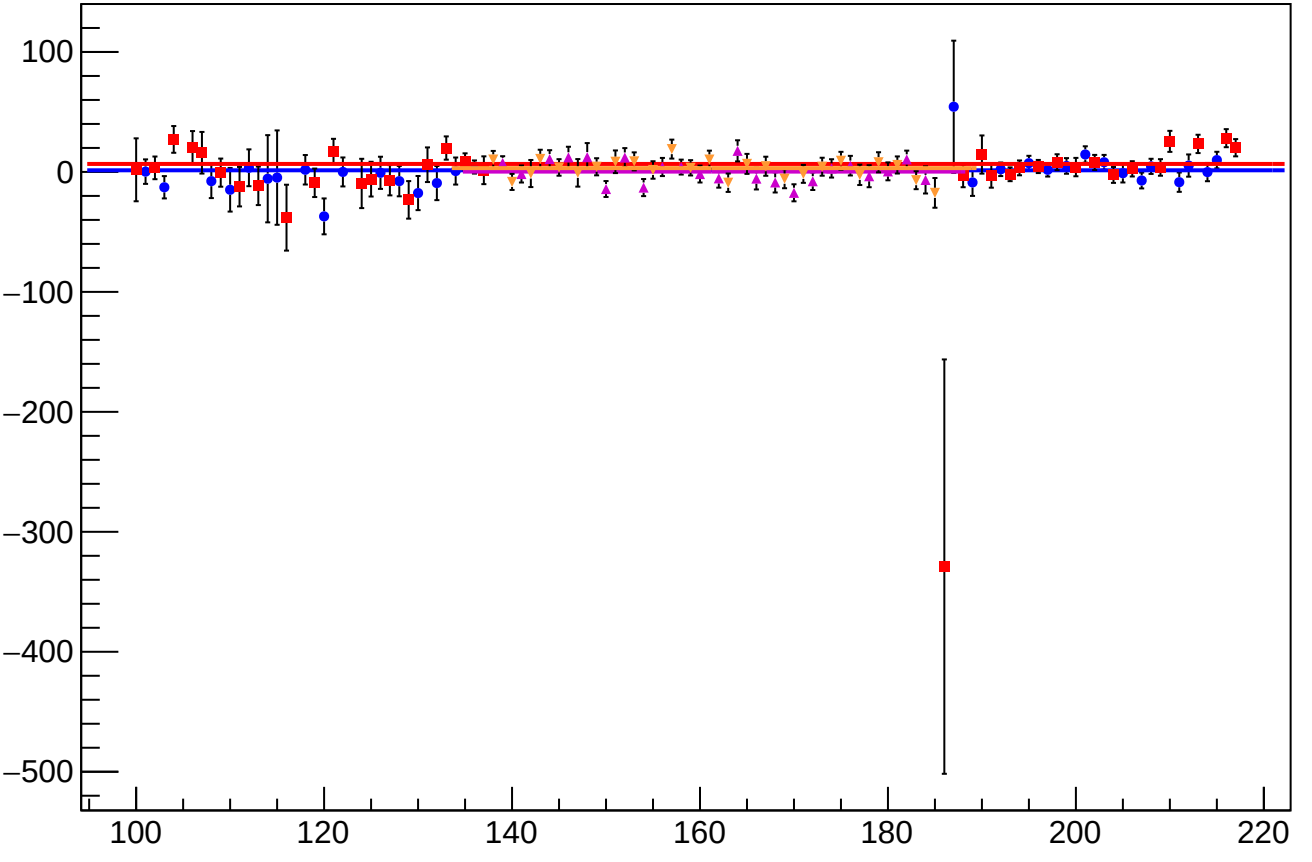
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10276.619+/-1.261 χ^2/NDF: 10386005.5/55

All: 10433.019+/-0.906 χ^2/NDF: 21969472.0

- sign 10599.945+/-1.303 χ^2/NDF: 11551671.3/58

diff_bpm4acY_mean vs Slug



Right In: 1.357+/-1.552 χ^2/NDF: 26.6/30

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 6.660+/-1.510 χ^2/NDF: 54.3/35

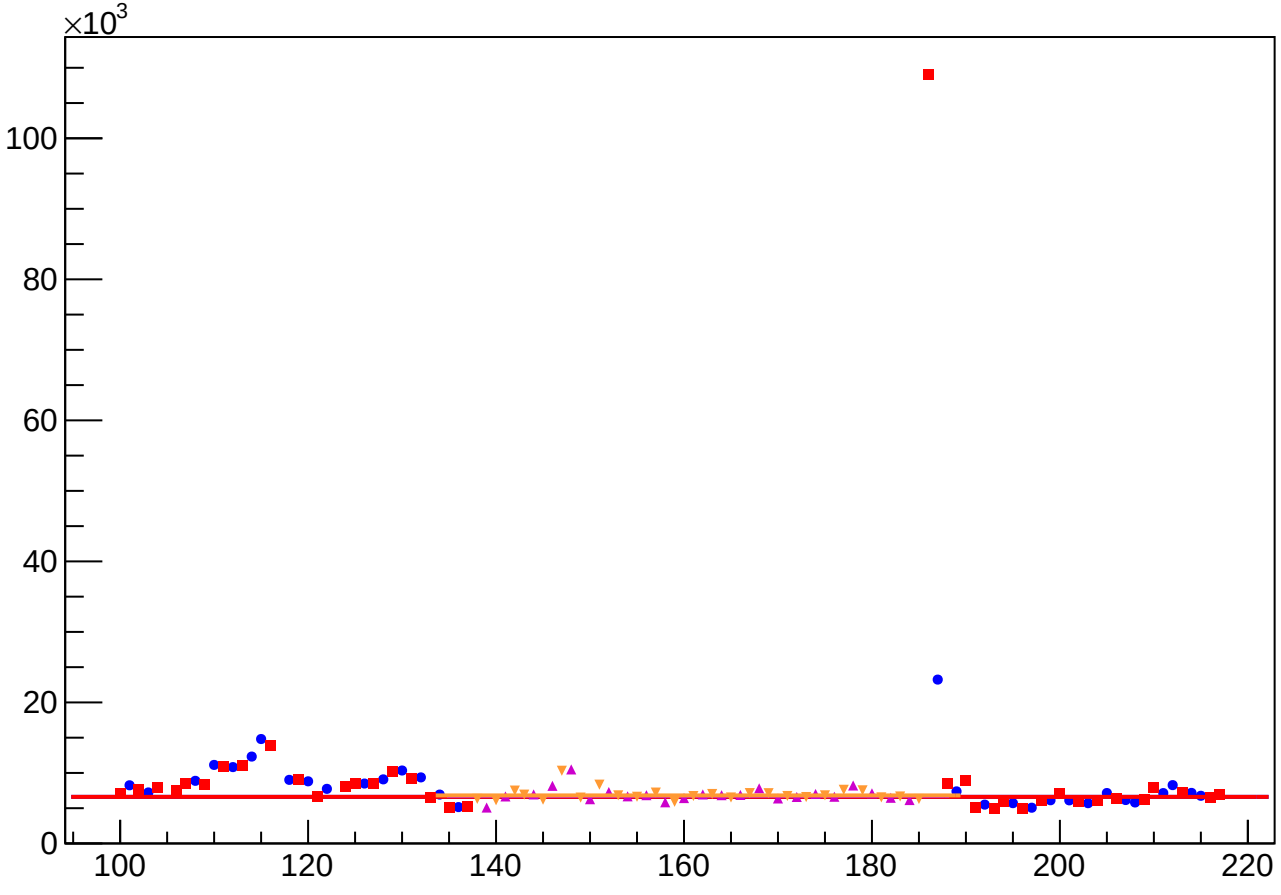
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.258+/-1.101 χ^2/NDF: 48.9/55

All: 2.947+/-0.776 χ^2/NDF: 146.7/114

- sign 3.629+/-1.095 χ^2/NDF: 97.0/58

diff_bpm4acY_rms vs Slug



Right In: 6606.419+/-1.097 χ^2/NDF: 1794662.7/30

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6606.315+/-1.068 χ^2/NDF: 2398123.4/35

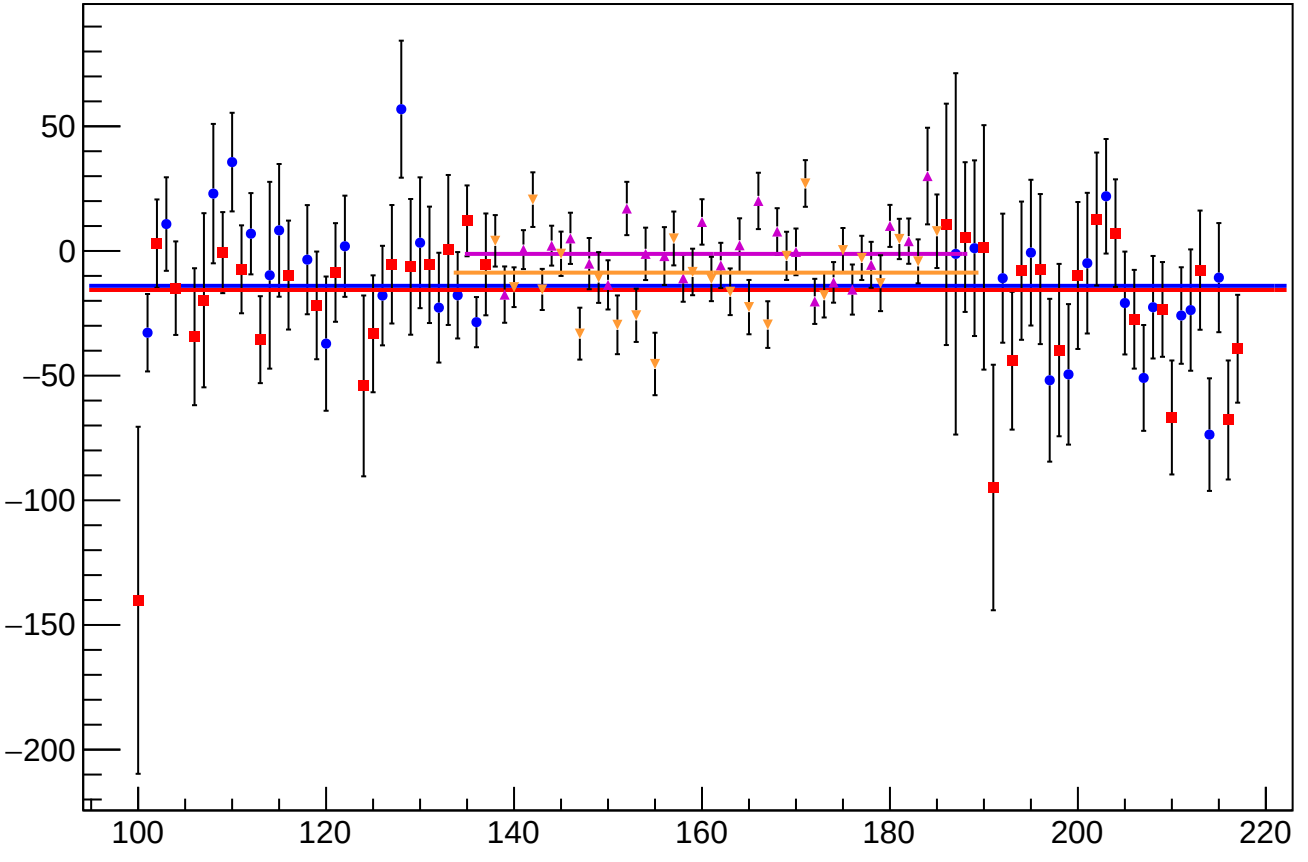
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6709.015+/-0.778 χ^2/NDF: 2206886.9/55

All: 6686.371+/-0.549 χ^2/NDF: 5222875.1/11

- sign 6663.960+/-0.774 χ^2/NDF: 3014304.2/58

diff_bpm4ecX_mean vs Slug



Right In: -13.981+/-3.849 χ^2/NDF: 41.4/30

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -15.648+/-3.894 χ^2/NDF: 33.1/35

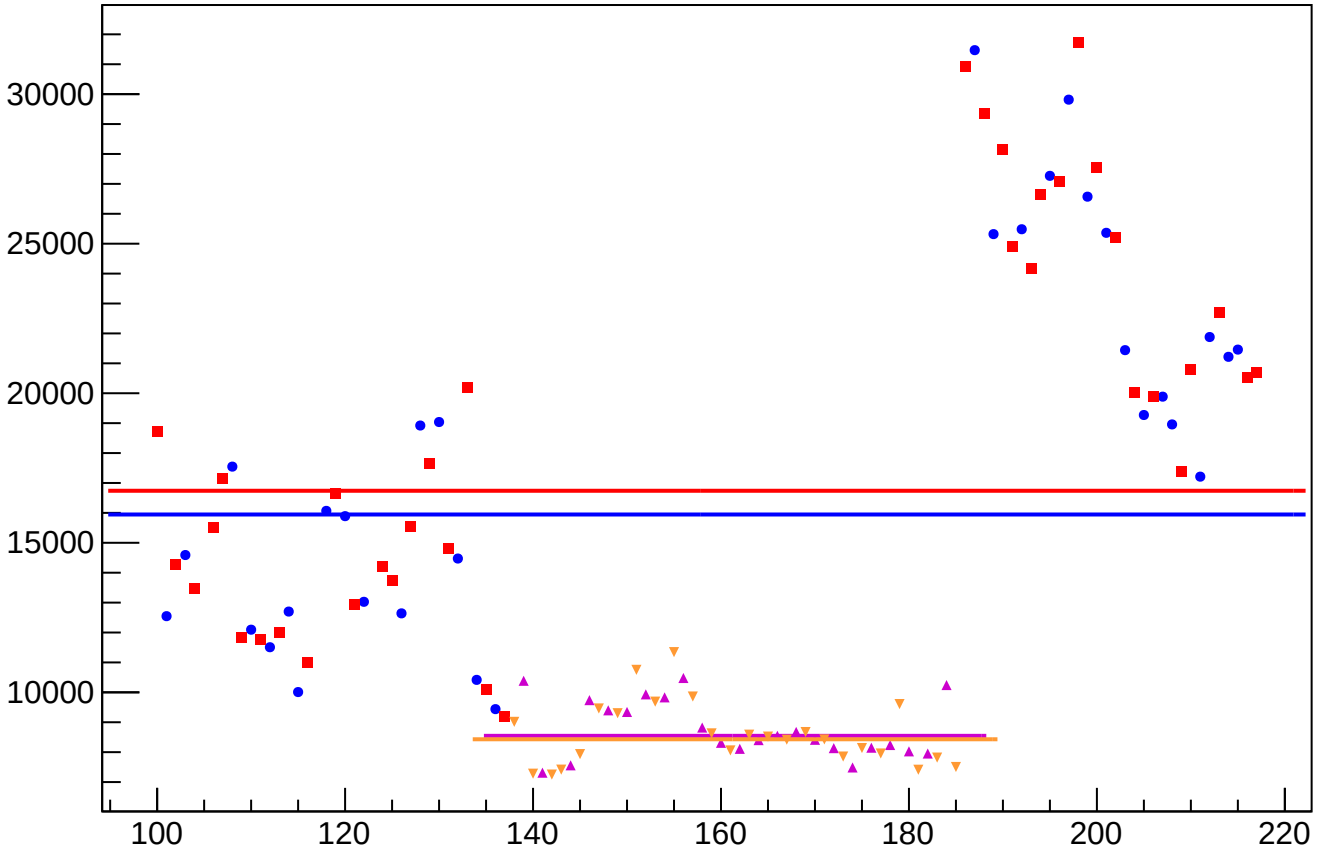
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -9.760+/-1.730 χ^2/NDF: 104.3/55

All: -7.084+/-1.243 χ^2/NDF: 181.8/114

- sign -4.225+/-1.788 χ^2/NDF: 72.5/58

diff_bpm4ecX_rms vs Slug



Right In: 15945.970+/-2.722 χ^2/NDF: 3962298.4/30

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

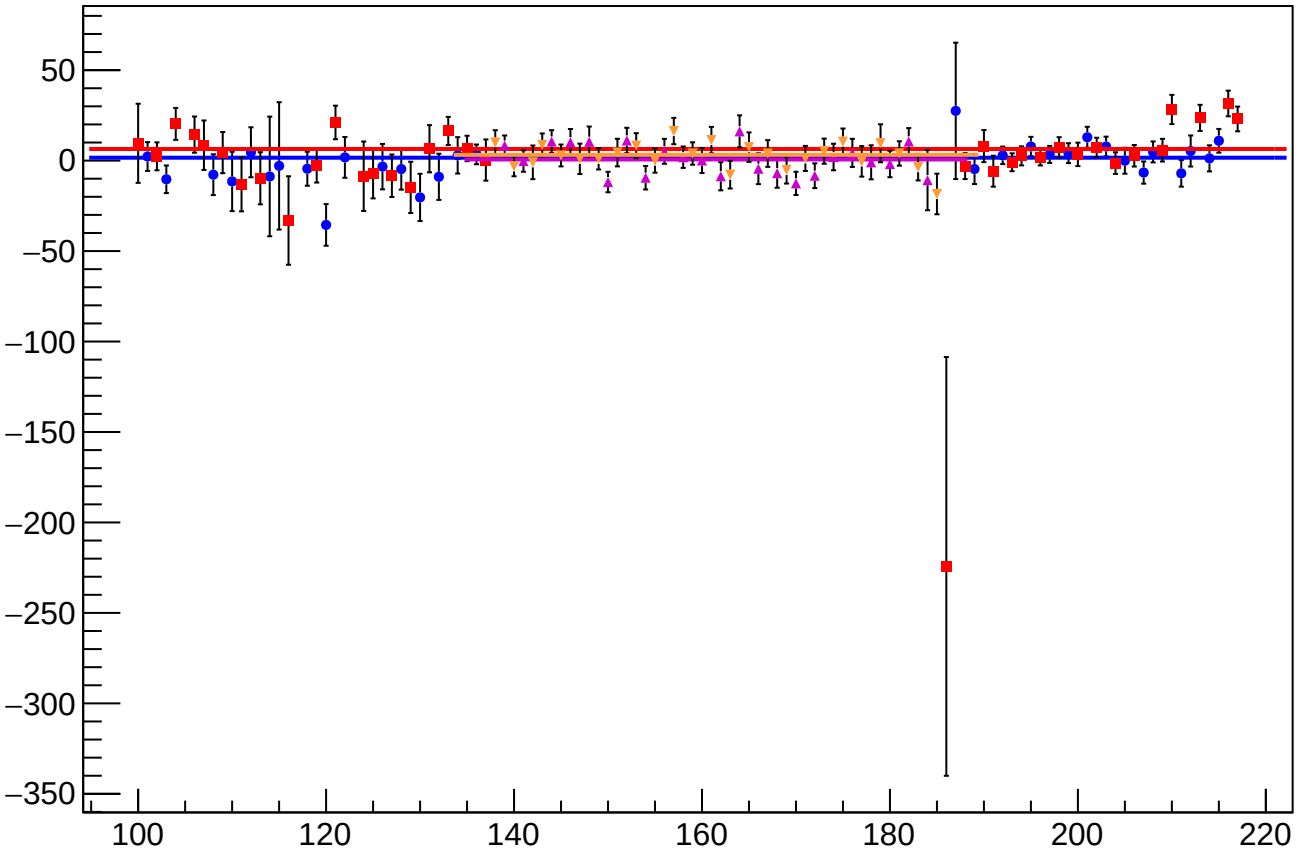
Right Out: 16739.489+/-2.753 χ^2/NDF: 4180934.1/35

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9948.416+/-1.223 χ^2/NDF: 10532378.2/55

All: 10105.324+/-0.879 χ^2/NDF: 22127513.1

- sign 10272.946+/-1.264 χ^2/NDF: 11561092.3/58



Right In: 1.612+/-1.370 χ^2/NDF: 32.6/30

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 6.422+/-1.317 χ^2/NDF: 65.3/35

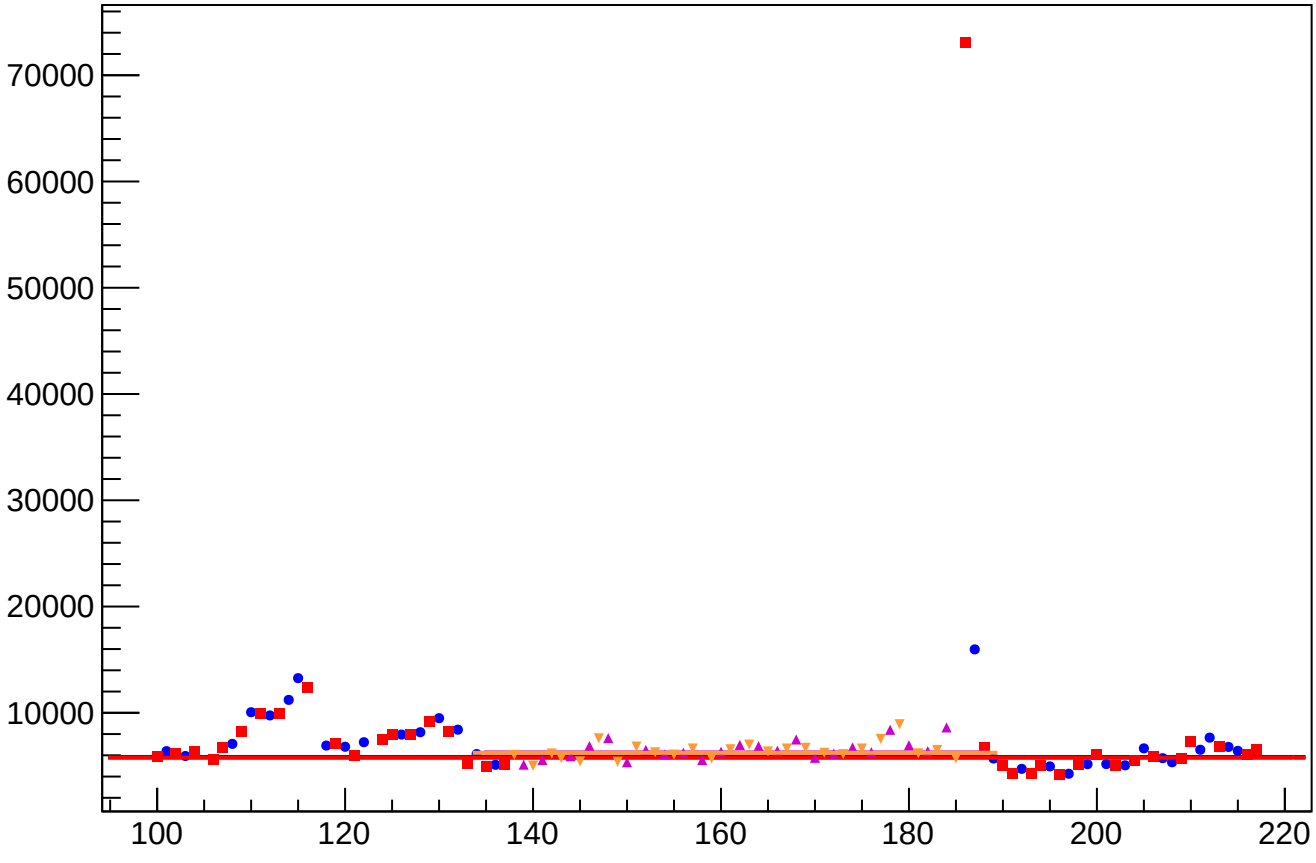
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.362+/-0.991 χ^2/NDF: 51.9/55

All: 3.120+/-0.698 χ^2/NDF: 158.6/114

- sign 3.868+/-0.984 χ^2/NDF: 105.6/58

diff_bpm4ecY_rms vs Slug



Right In: 5836.517+/-0.968 χ^2/NDF: 1779970.0/30

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.648+/-0.931 χ^2/NDF: 2442212.7/35

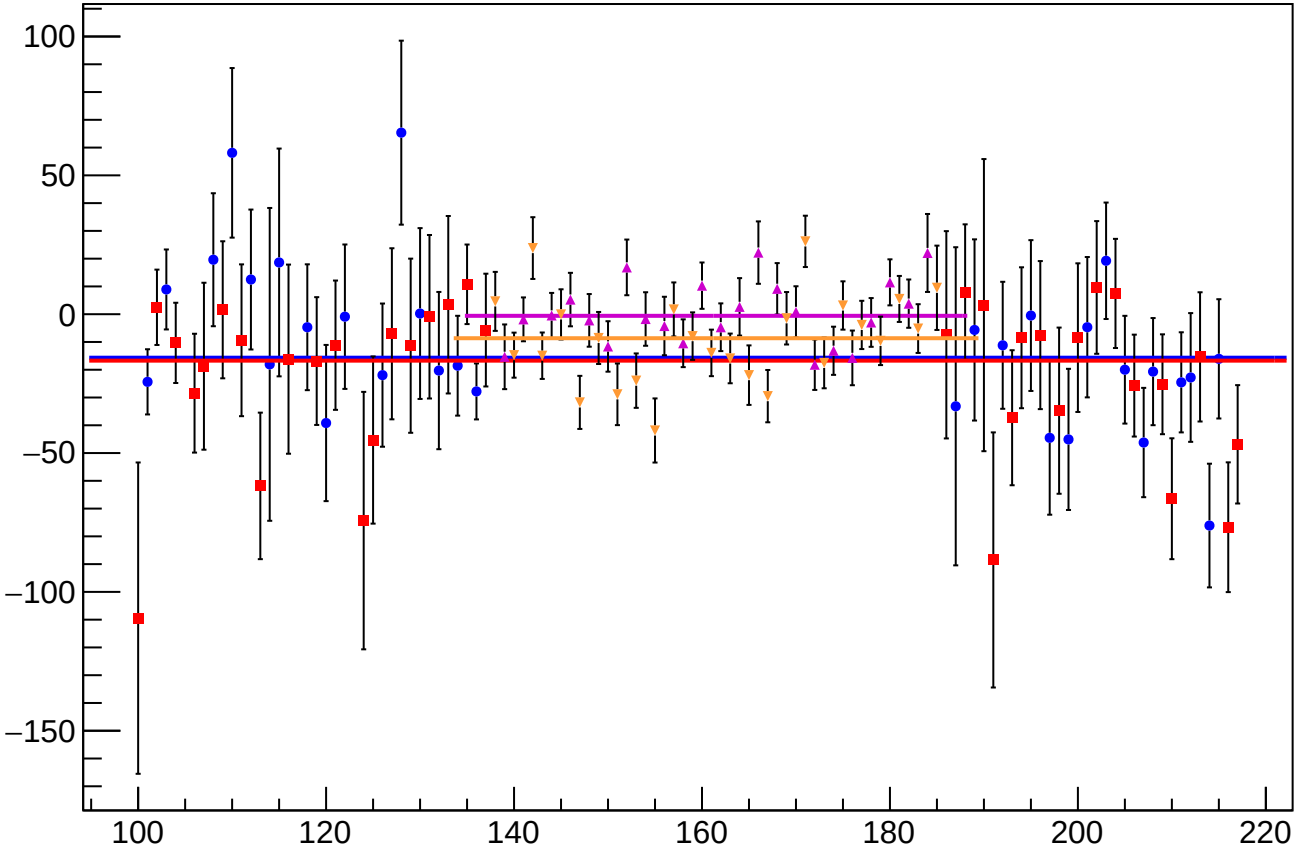
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6027.905+/-0.701 χ^2/NDF: 2369603.0/55

All: 6007.792+/-0.494 χ^2/NDF: 5465868.9/11

- sign 5987.943+/-0.696 χ^2/NDF: 3094628.1/58

diff_bpm1X_mean vs Slug



Right In: -15.664+/-3.835 χ^2/NDF: 38.6/30

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -16.723+/-3.931 χ^2/NDF: 38.2/35

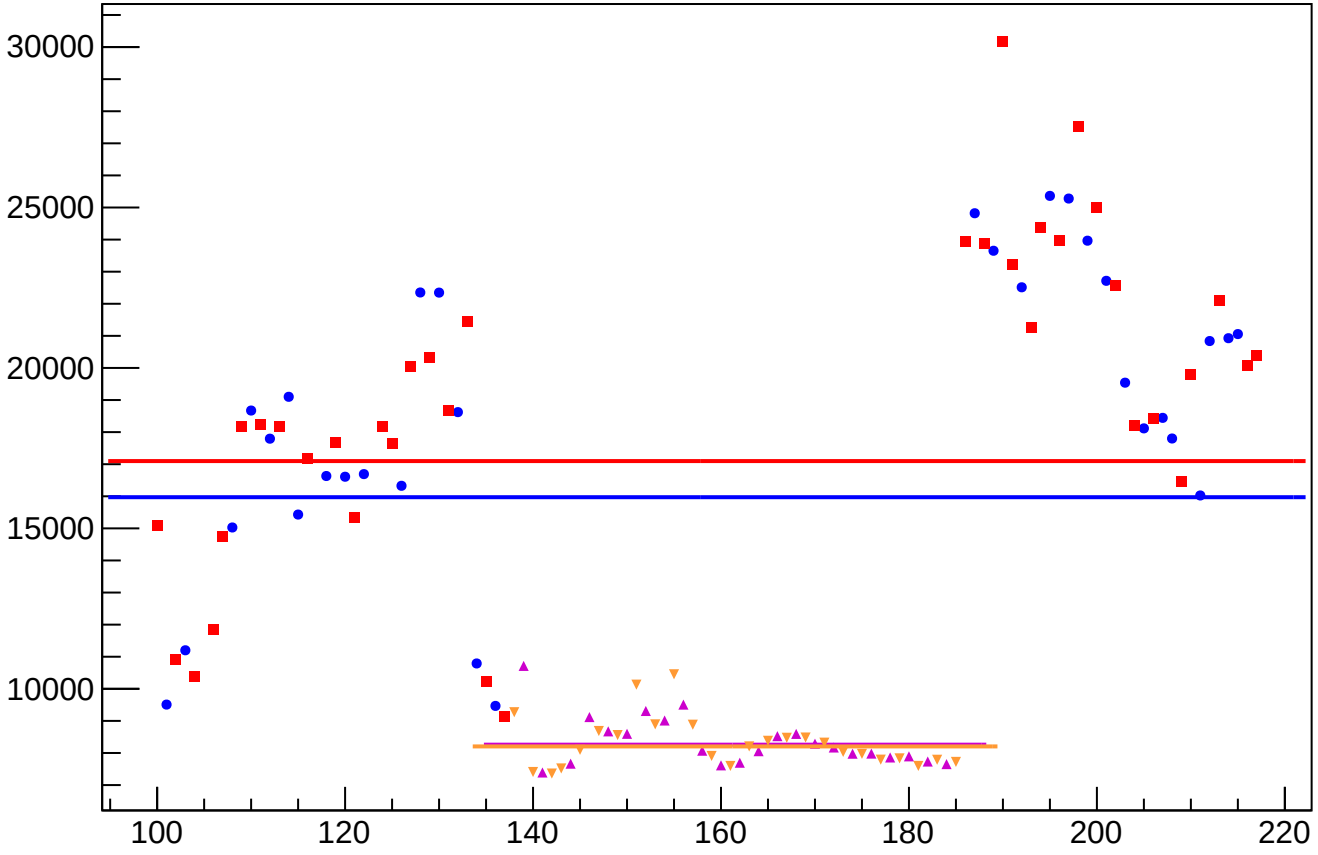
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -10.003+/-1.685 χ^2/NDF: 104.4/55

All: -6.971+/-1.210 χ^2/NDF: 191.3/114

- sign -3.741+/-1.739 χ^2/NDF: 80.2/58

diff_bpm1X_rms vs Slug



Right In: 15971.566+/-2.712 χ^2/NDF: 3601576.4/30

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 17097.496+/-2.780 χ^2/NDF: 3340013.1/35

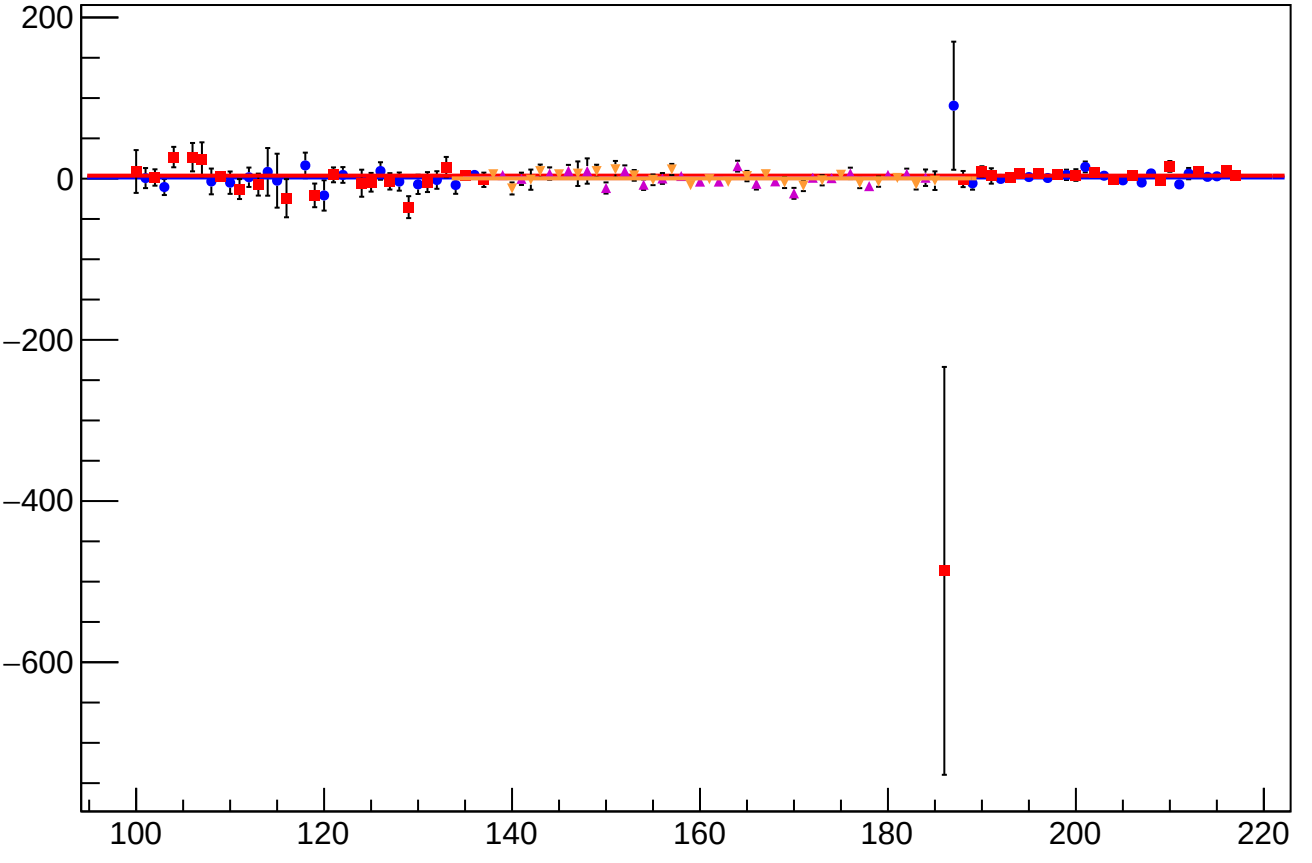
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9702.805+/-1.191 χ^2/NDF: 10494381.4/55

All: 9841.086+/-0.856 χ^2/NDF: 22251364.5/1

- sign 9988.425+/-1.230 χ^2/NDF: 11729146.3/58

diff_bpm1Y_mean vs Slug



Right In: 1.473+/-1.324 χ^2/NDF: 18.7/30

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.761+/-1.260 χ^2/NDF: 35.9/35

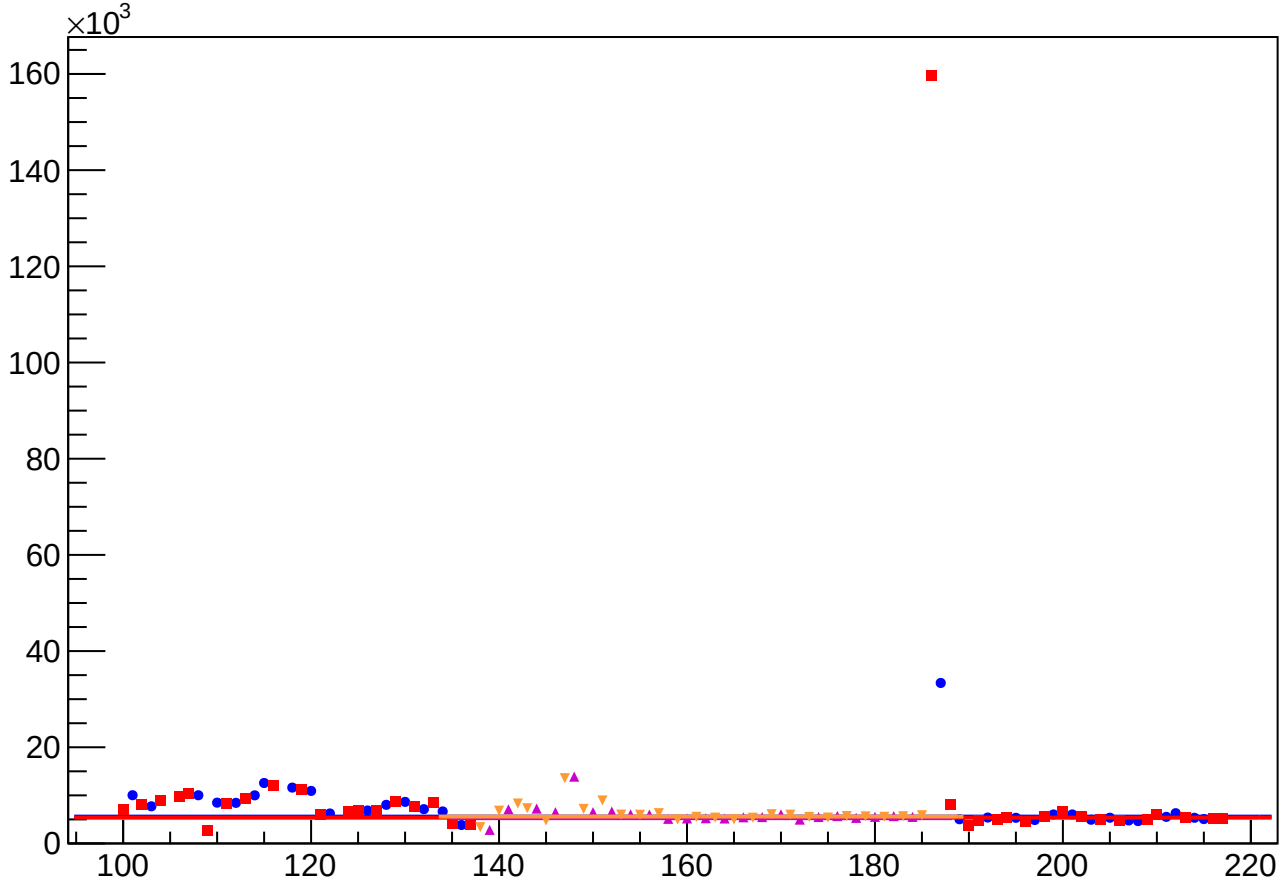
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.912+/-0.935 χ^2/NDF: 40.5/55

All: 1.617+/-0.649 χ^2/NDF: 110.3/114

- sign 2.272+/-0.902 χ^2/NDF: 68.6/58

diff_bpm1Y_rms vs Slug



Right In: 5576.470+/-0.936 χ^2/NDF: 2478912.4/30

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5366.778+/-0.891 χ^2/NDF: 3820047.3/35

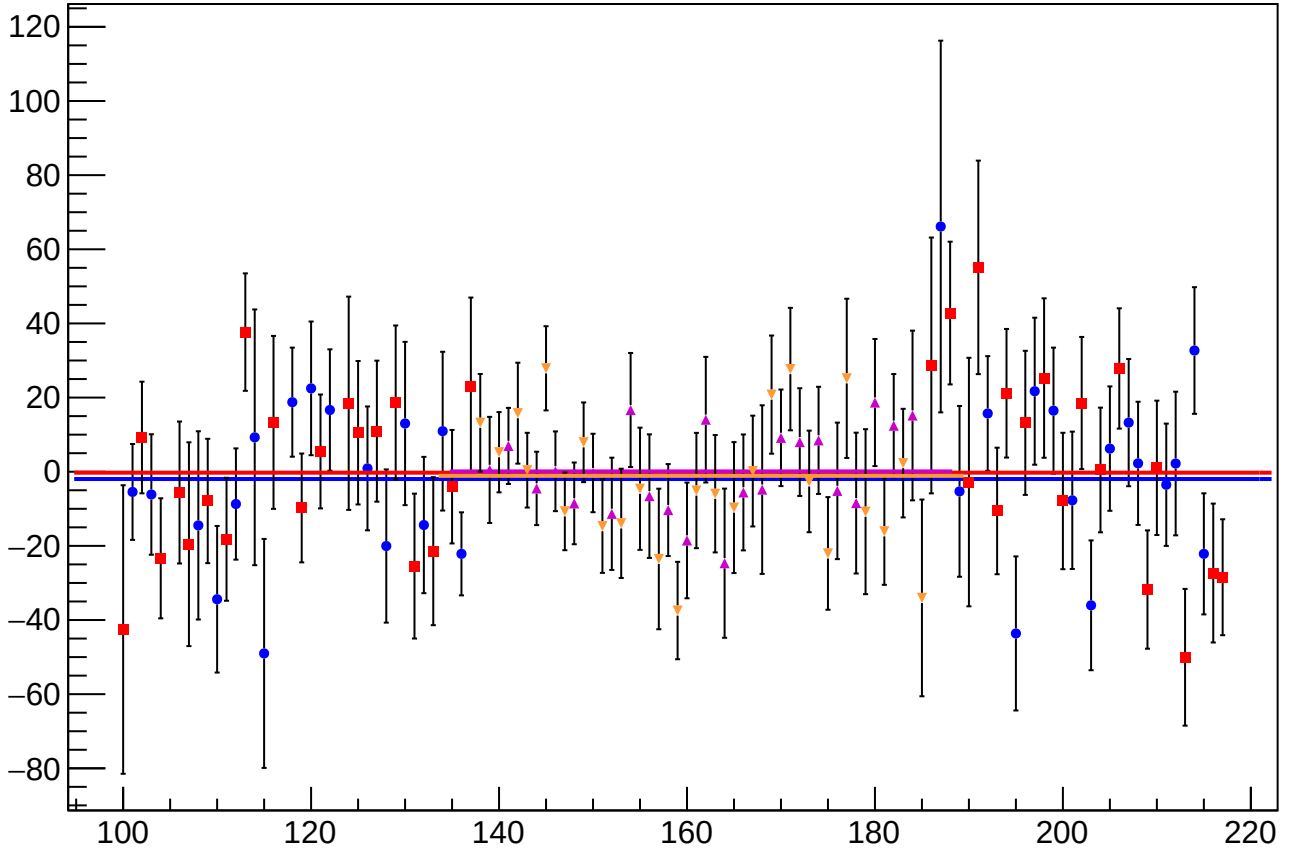
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5585.504+/-0.661 χ^2/NDF: 4263357.4/55

All: 5445.850+/-0.459 χ^2/NDF: 10601674.4/1

- sign 5316.021+/-0.638 χ^2/NDF: 6252298.7/58

diff_bpm11X_mean vs Slug



Right In: -1.965+/-3.198 χ^2/NDF: 36.6/30

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -0.259+/-3.125 χ^2/NDF: 51.9/35

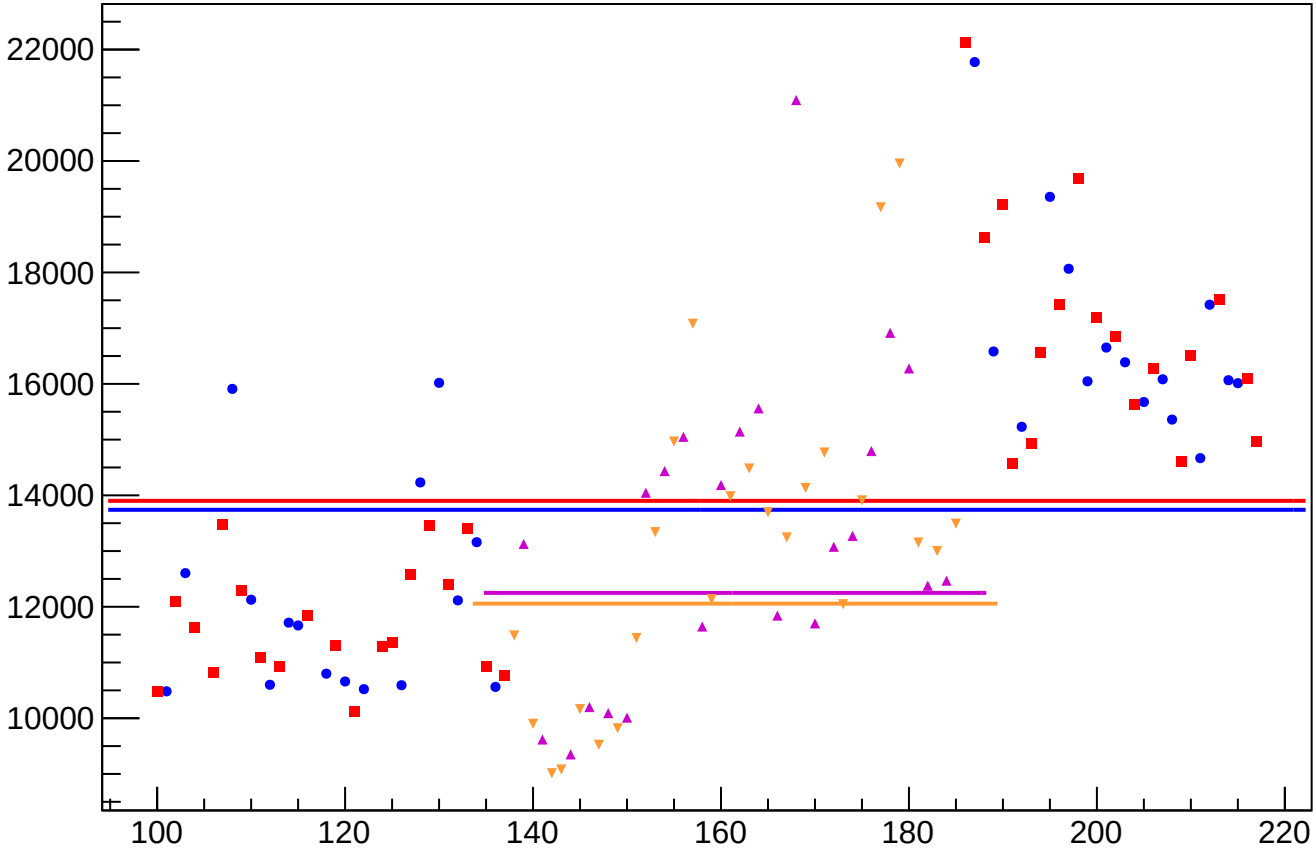
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.483+/-2.112 χ^2/NDF: 70.4/55

All: -0.787+/-1.502 χ^2/NDF: 134.0/114

- sign -0.076+/-2.136 χ^2/NDF: 63.4/58

diff_bpm11X_rms vs Slug



Right In: 13740.435+/-2.261 χ^2/NDF: 1466249.7/30

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13901.300+/-2.209 χ^2/NDF: 1559095.5/35

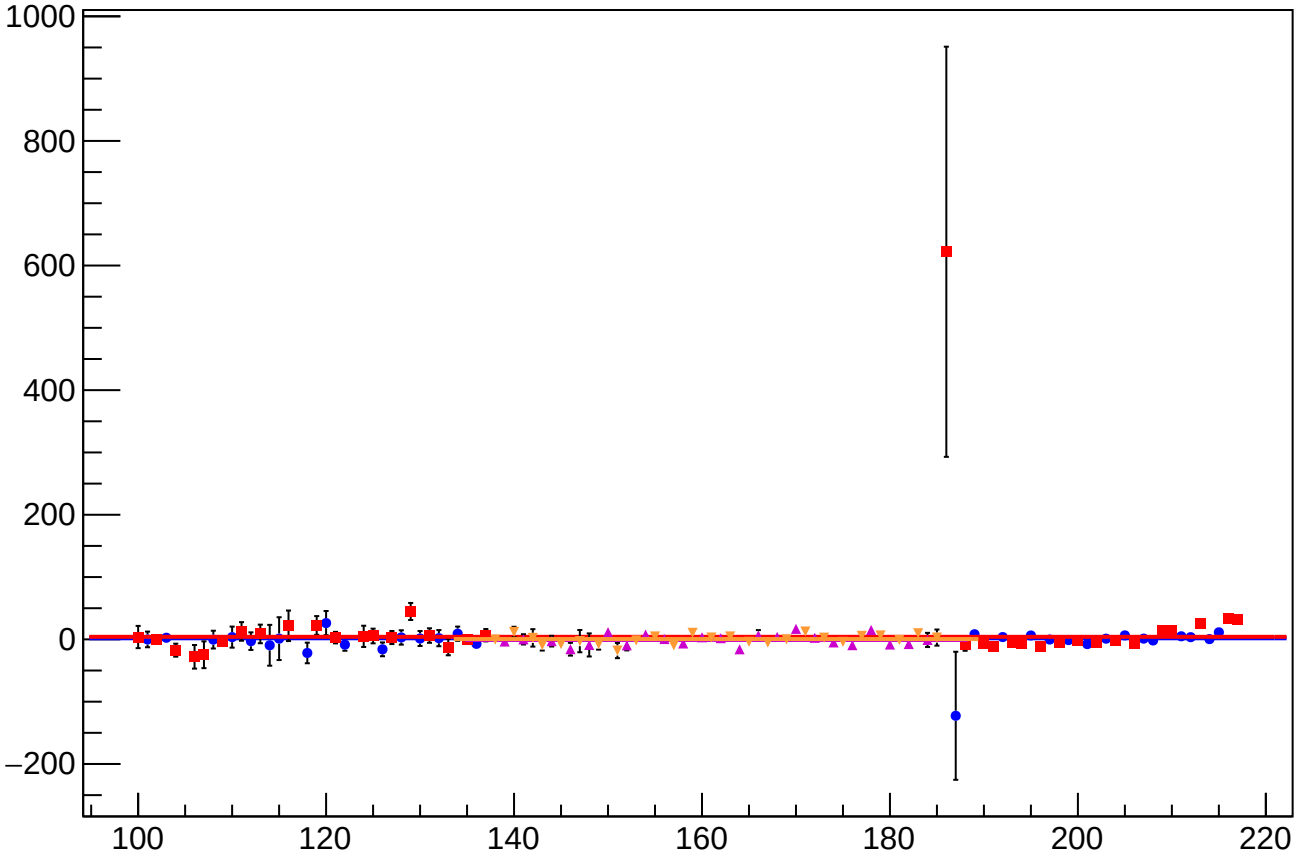
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12791.216+/-1.494 χ^2/NDF: 3340547.0/55

All: 12904.892+/-1.062 χ^2/NDF: 6625295.4/1

- sign 13021.133+/-1.510 χ^2/NDF: 3273031.5/58

diff_bpm11Y_mean vs Slug



Right In: 1.745+/-1.098 χ^2/NDF: 26.6/30

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 4.092+/-1.071 χ^2/NDF: 183.2/35

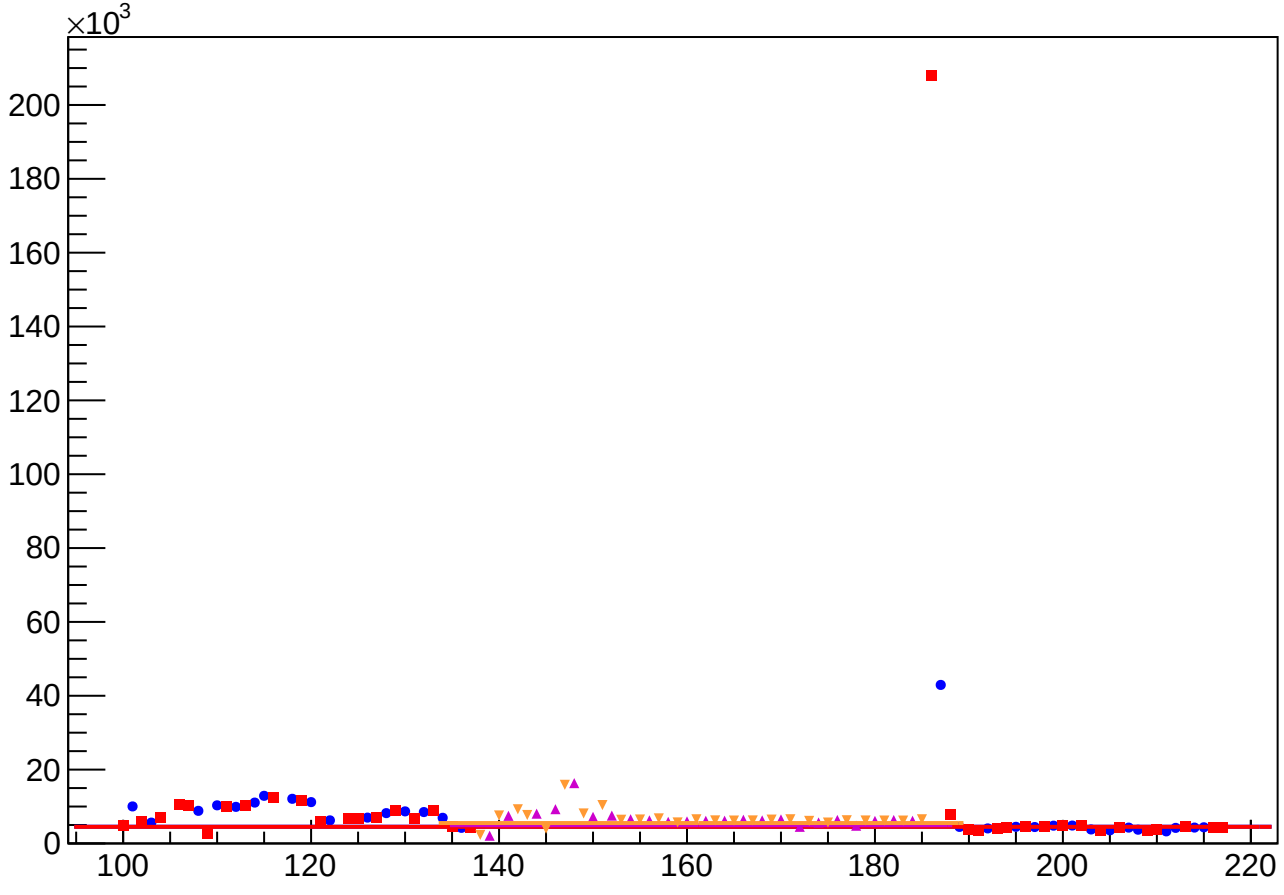
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 1.268+/-0.856 χ^2/NDF: 48.5/55

All: 1.670+/-0.594 χ^2/NDF: 273.3/114

- sign 2.043+/-0.825 χ^2/NDF: 224.4/58

diff_bpm11Y_rms vs Slug



Right In: 4533.178+/-0.776 χ^2/NDF: 3725797.1/30

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4502.708+/-0.758 χ^2/NDF: 4240330.3/35

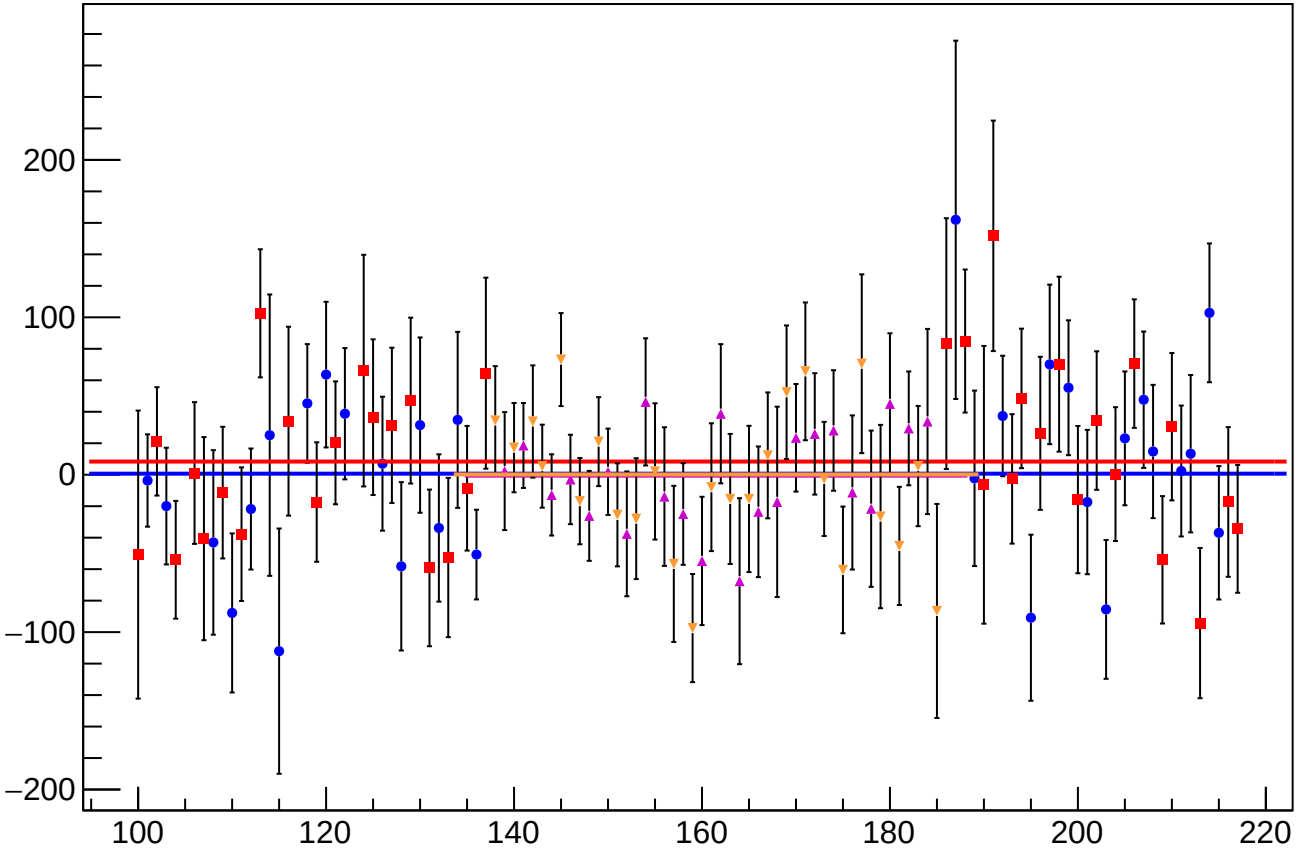
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4922.603+/-0.606 χ^2/NDF: 8744429.2/55

All: 4797.520+/-0.420 χ^2/NDF: 19139870.8/1

- sign 4681.335+/-0.584 χ^2/NDF: 10313140.4/58

diff_bpm12X_mean vs Slug



Right In: 0.663+/-8.013 χ^2/NDF: 37.5/30

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

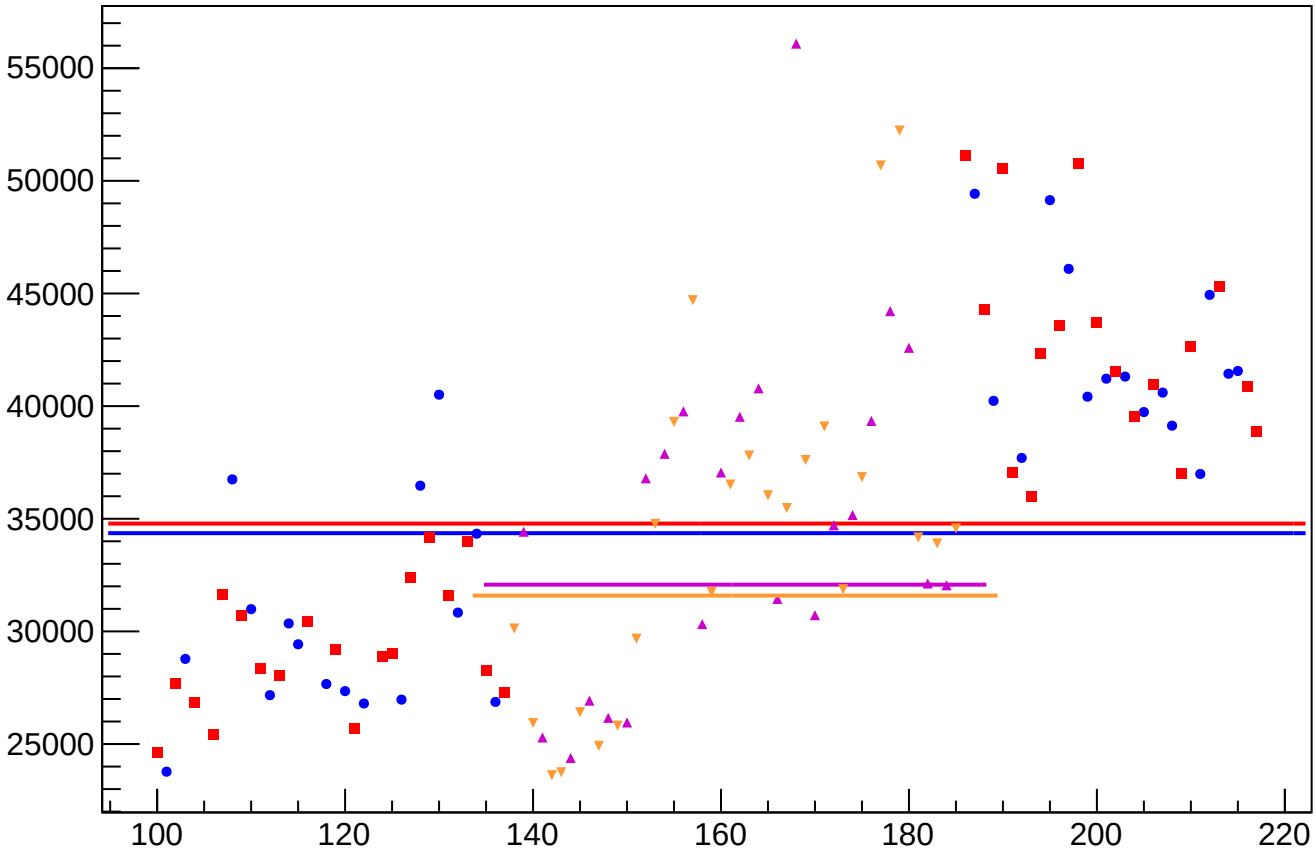
Right Out: 8.366+/-7.827 χ^2/NDF: 38.9/35

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 0.395+/-5.426 χ^2/NDF: 68.6/55

All: 2.080+/-3.855 χ^2/NDF: 121.2/114

- sign 3.797+/-5.477 χ^2/NDF: 52.4/58



Right In: 34360.771+/-5.666 χ^2/NDF: 1588783.8/30

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34786.645+/-5.534 χ^2/NDF: 1641758.2/35

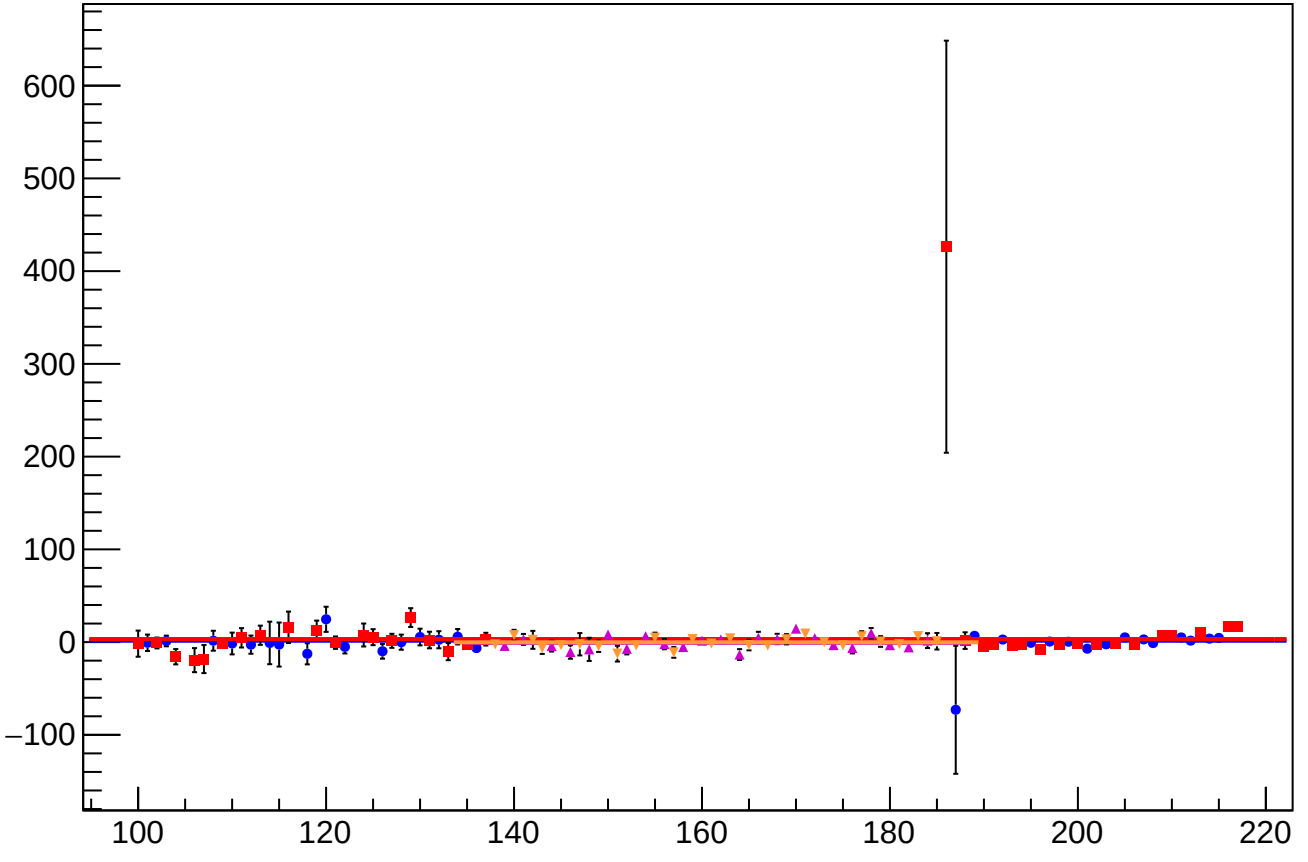
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32860.546+/-3.837 χ^2/NDF: 3309131.1/55

All: 33129.218+/-2.726 χ^2/NDF: 6539005.1/1

- sign 33402.913+/-3.873 χ^2/NDF: 3219976.8/58

diff_bpm12Y_mean vs Slug



Right In: 1.481+/-0.634 χ^2/NDF: 37.0/30

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 3.307+/-0.645 χ^2/NDF: 155.2/35

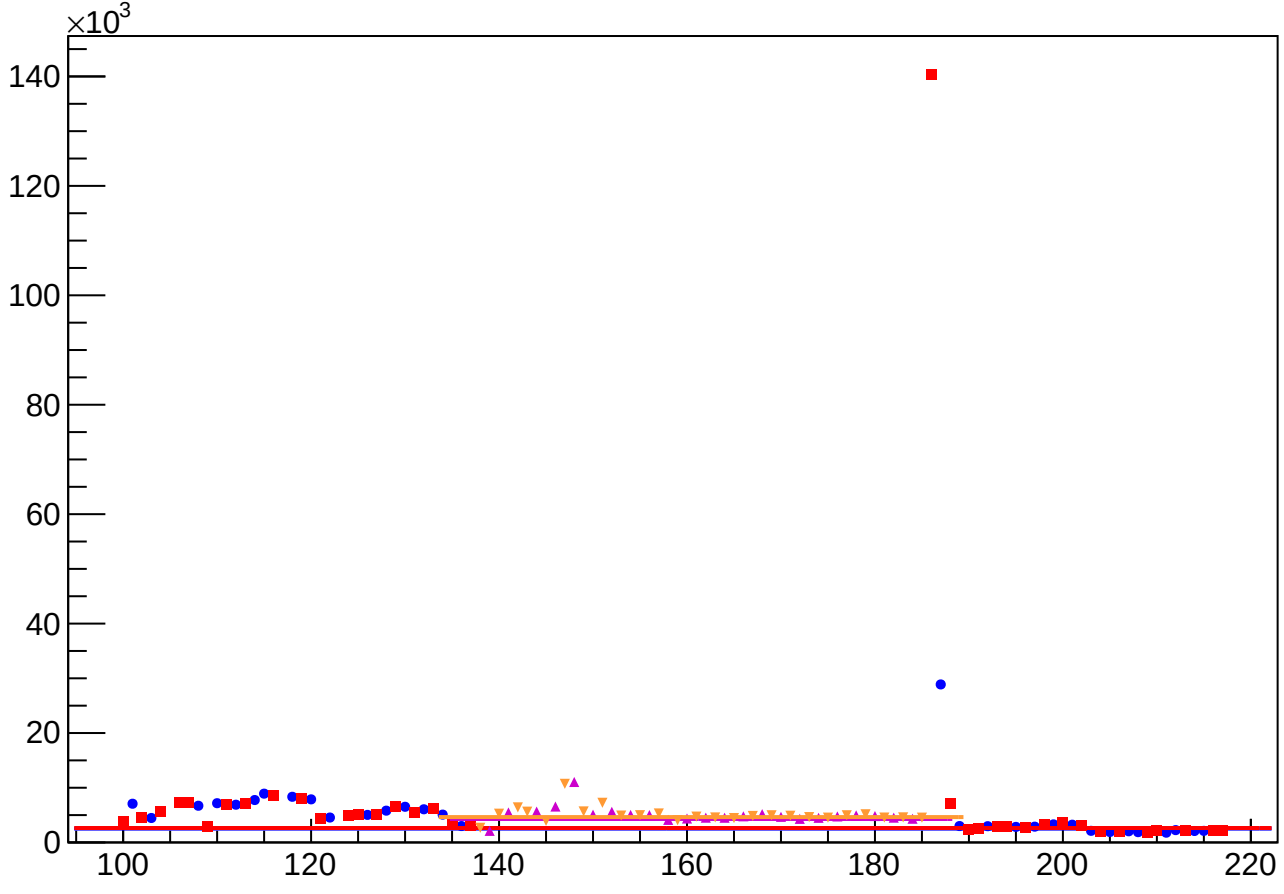
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign 1.051+/-0.549 χ^2/NDF: 58.6/55

All: 1.624+/-0.389 χ^2/NDF: 260.7/114

\- sign 2.202+/-0.551 χ^2/NDF: 199.8/58

diff_bpm12Y_rms vs Slug



Right In: 2531.613+/-0.449 χ^2/NDF: 6010723.7/30

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2638.809+/-0.456 χ^2/NDF: 6489395.8/35

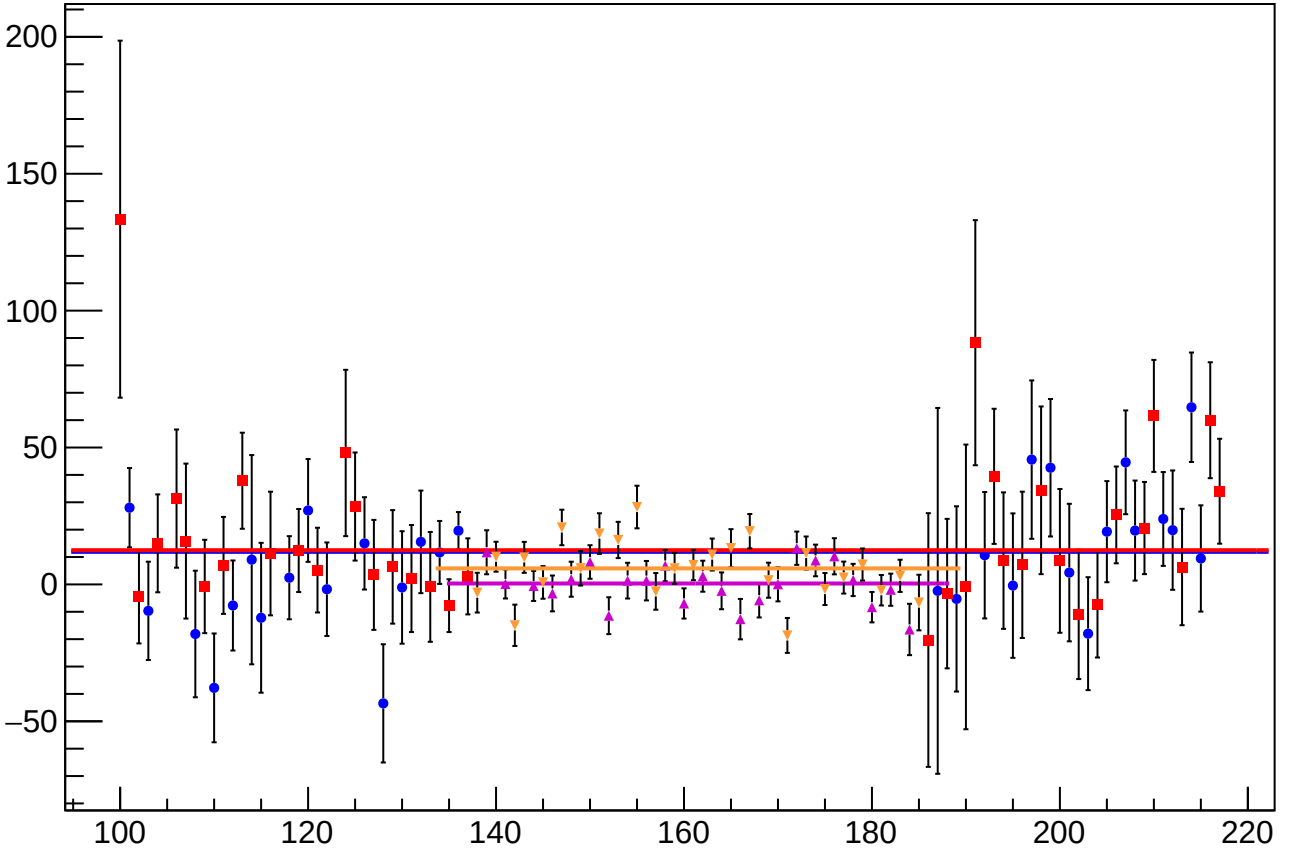
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3061.535+/-0.388 χ^2/NDF: 13319909.1/55

All: 3073.655+/-0.275 χ^2/NDF: 26467552.7/1

- sign 3085.875+/-0.390 χ^2/NDF: 13145684.4/58

diff_bpm16X_mean vs Slug



Right In: 11.896+/-3.178 χ^2/NDF: 39.3/30

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 12.493+/-3.332 χ^2/NDF: 36.5/35

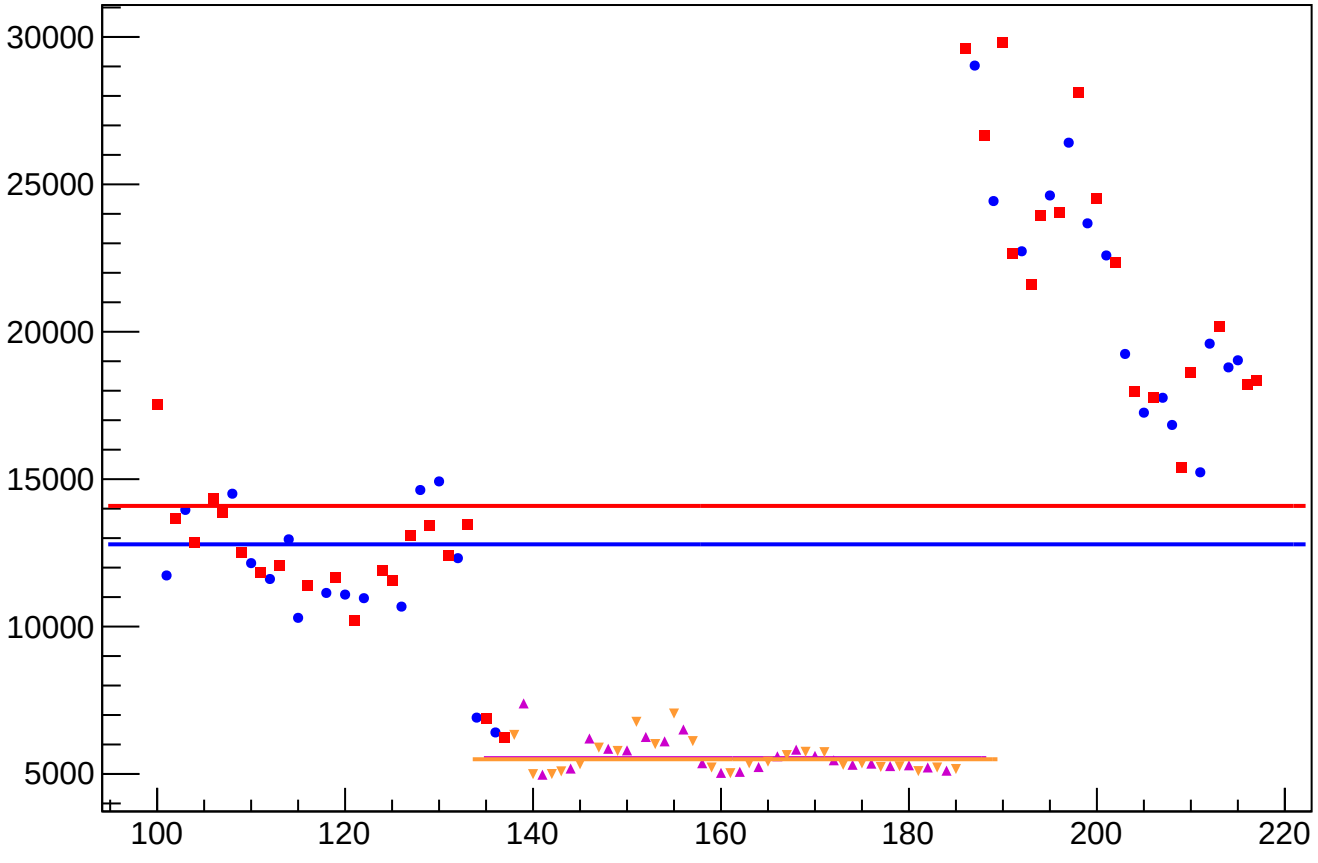
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.668+/-1.169 χ^2/NDF: 102.5/55

All: 4.390+/-0.841 χ^2/NDF: 187.7/114

- sign 1.945+/-1.212 χ^2/NDF: 77.4/58

diff_bpm16X_rms vs Slug



Right In: 12789.483+/-2.247 χ^2/NDF: 5888742.9/30

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14092.718+/-2.356 χ^2/NDF: 5394141.2/35

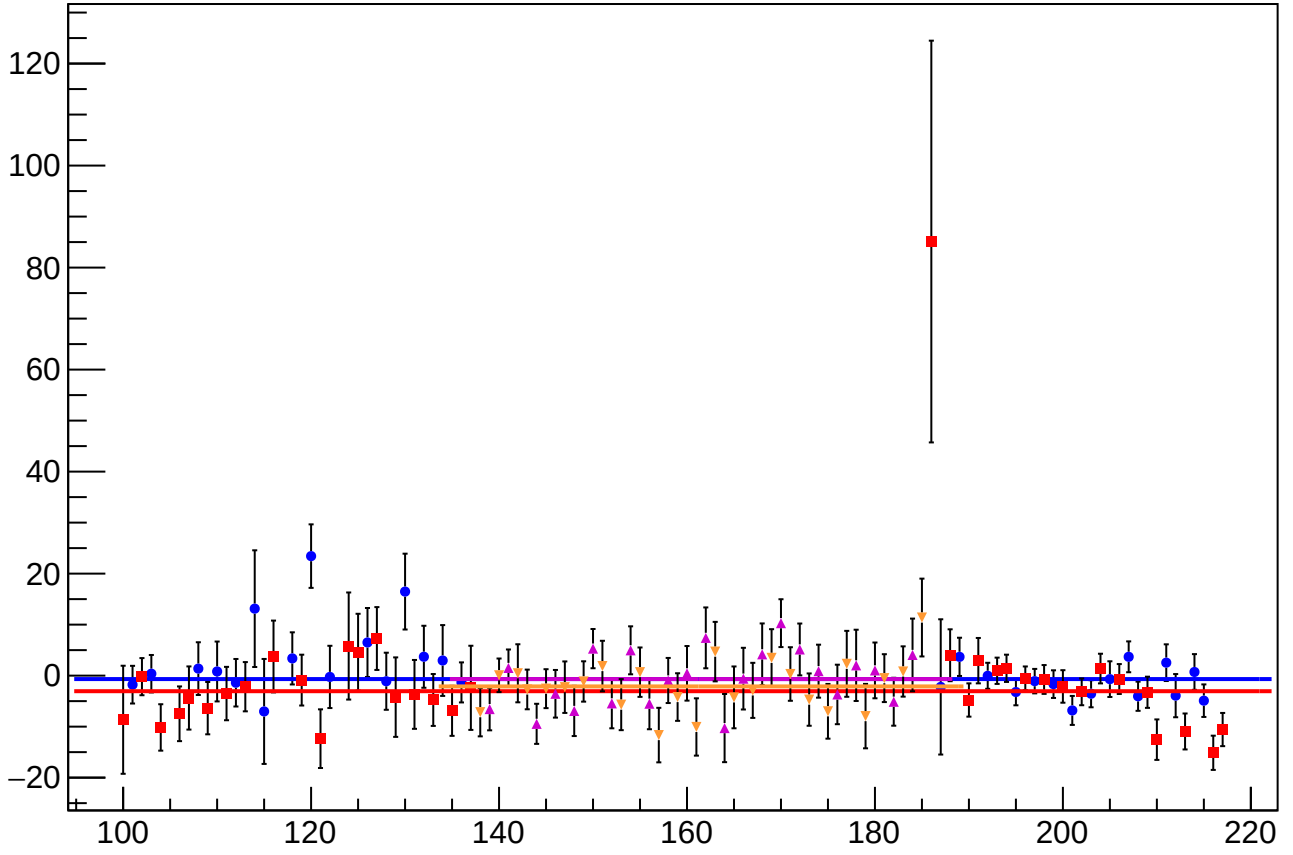
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6486.258+/-0.827 χ^2/NDF: 15288942.6/55

All: 6574.538+/-0.595 χ^2/NDF: 32453315.9/1

- sign 6669.355+/-0.857 χ^2/NDF: 17140724.9/58

diff_bpm16Y_mean vs Slug



Right In: -0.674+/-0.685 χ^2/NDF: 40.3/30

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.053+/-0.662 χ^2/NDF: 61.8/35

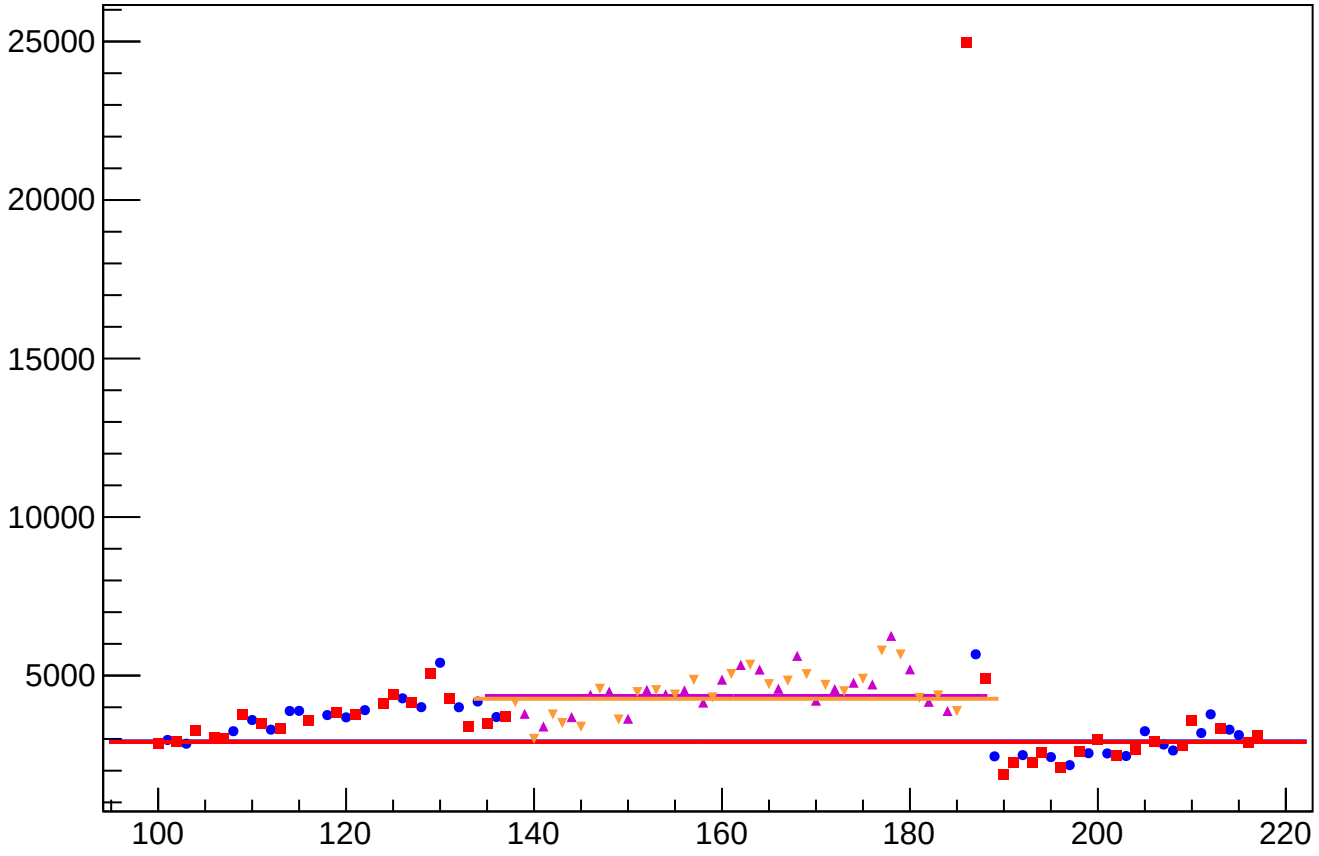
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.142+/-0.563 χ^2/NDF: 59.2/55

All: -1.756+/-0.396 χ^2/NDF: 155.5/114

- sign -2.358+/-0.557 χ^2/NDF: 93.9/58

diff_bpm16Y_rms vs Slug



Right In: 2924.618+/-0.484 χ^2/NDF: 1535699.0/30

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2904.309+/-0.468 χ^2/NDF: 2522917.4/35

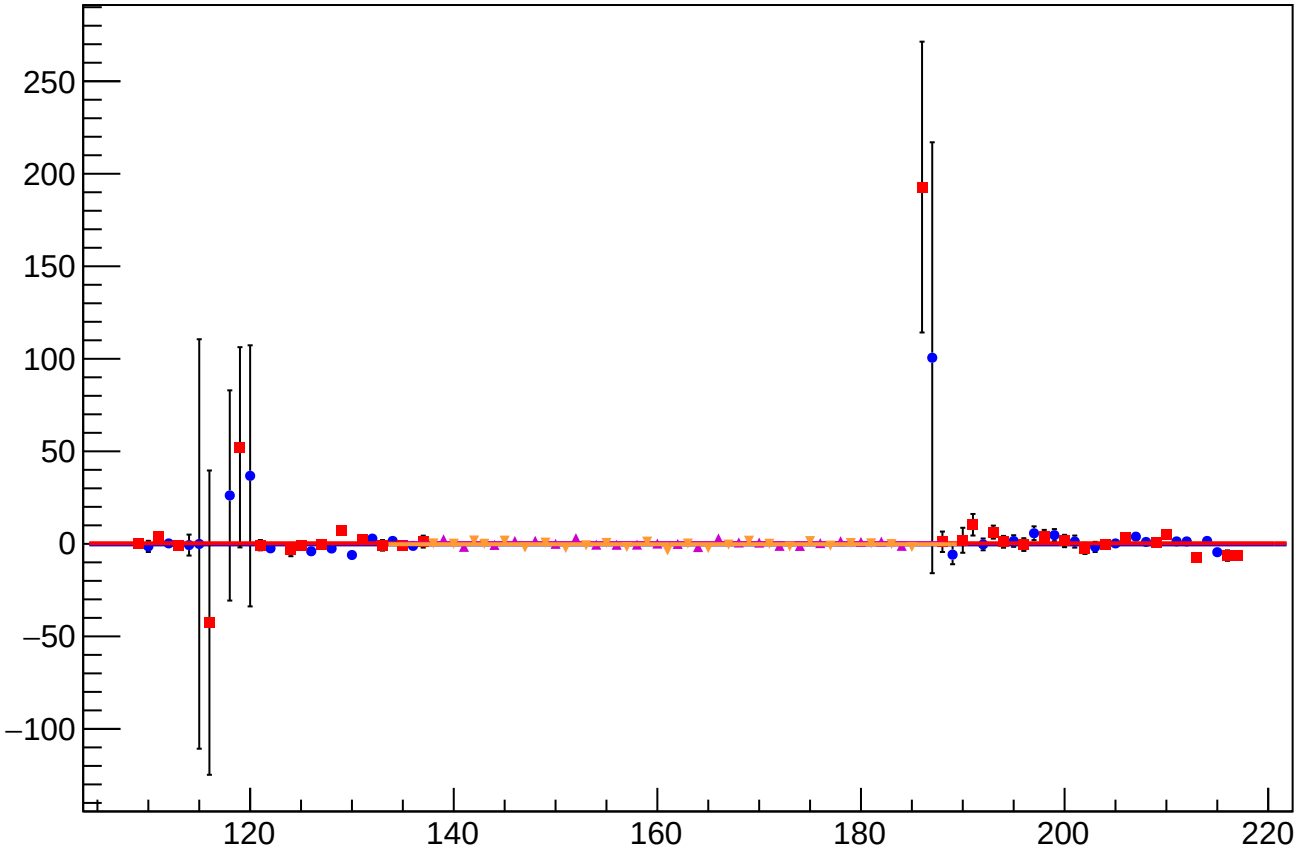
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3360.811+/-0.398 χ^2/NDF: 5069308.8/55

All: 3344.113+/-0.280 χ^2/NDF: 11147333.5/1

- sign 3327.762+/-0.394 χ^2/NDF: 6074538.5/58

diff_bpm1p02bX_mean vs Slug



Right In: -0.295+/-0.504 χ^2/NDF: 31.6/27

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.321+/-0.507 χ^2/NDF: 57.3/30

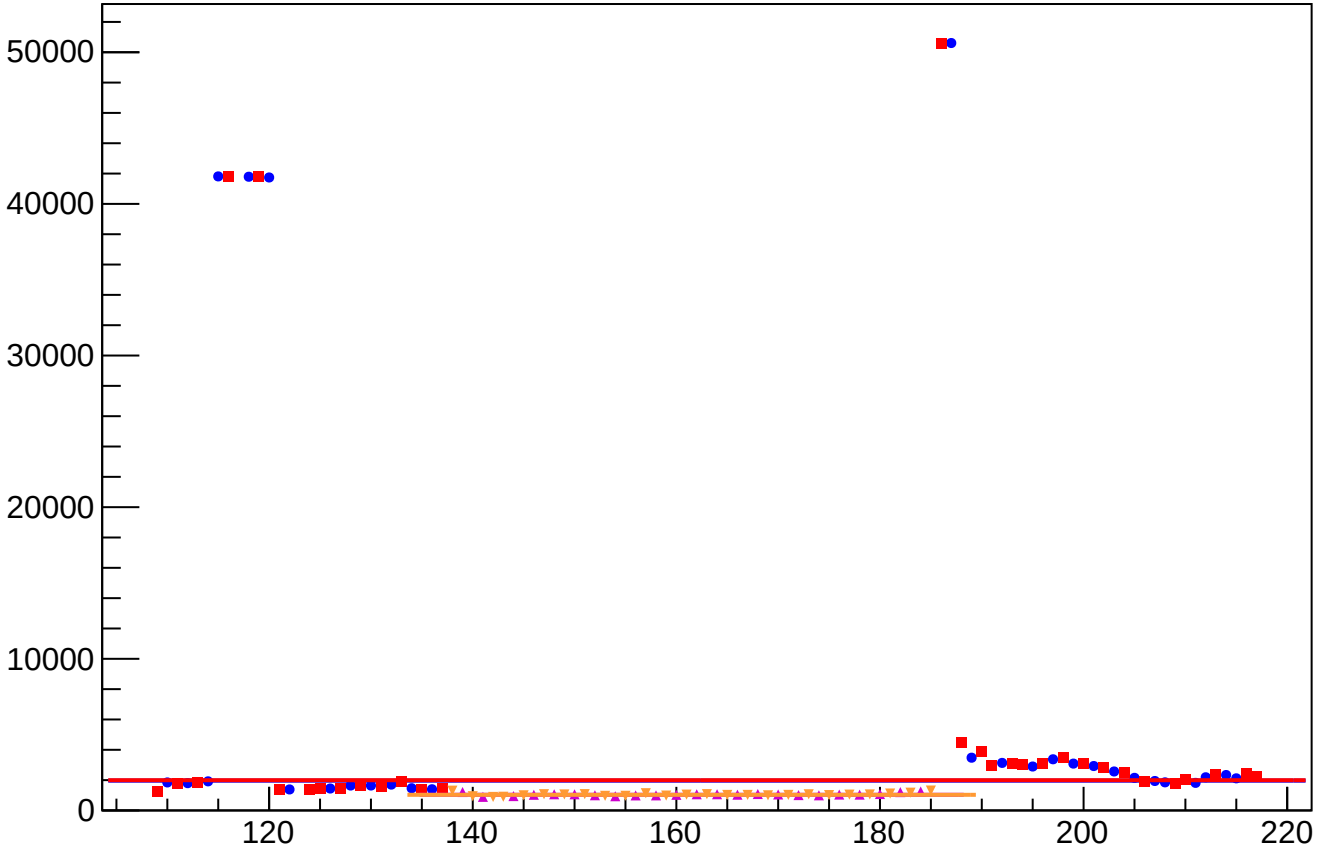
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.218+/-0.213 χ^2/NDF: 65.5/52

All: 0.050+/-0.153 χ^2/NDF: 155.6/106

- sign 0.331+/-0.219 χ^2/NDF: 86.8/53

diff_bpm1p02bX_rms vs Slug



Right In: 1964.800+/-0.356 χ^2/NDF: 4478137.3/27

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1994.644+/-0.358 χ^2/NDF: 5493941.8/30

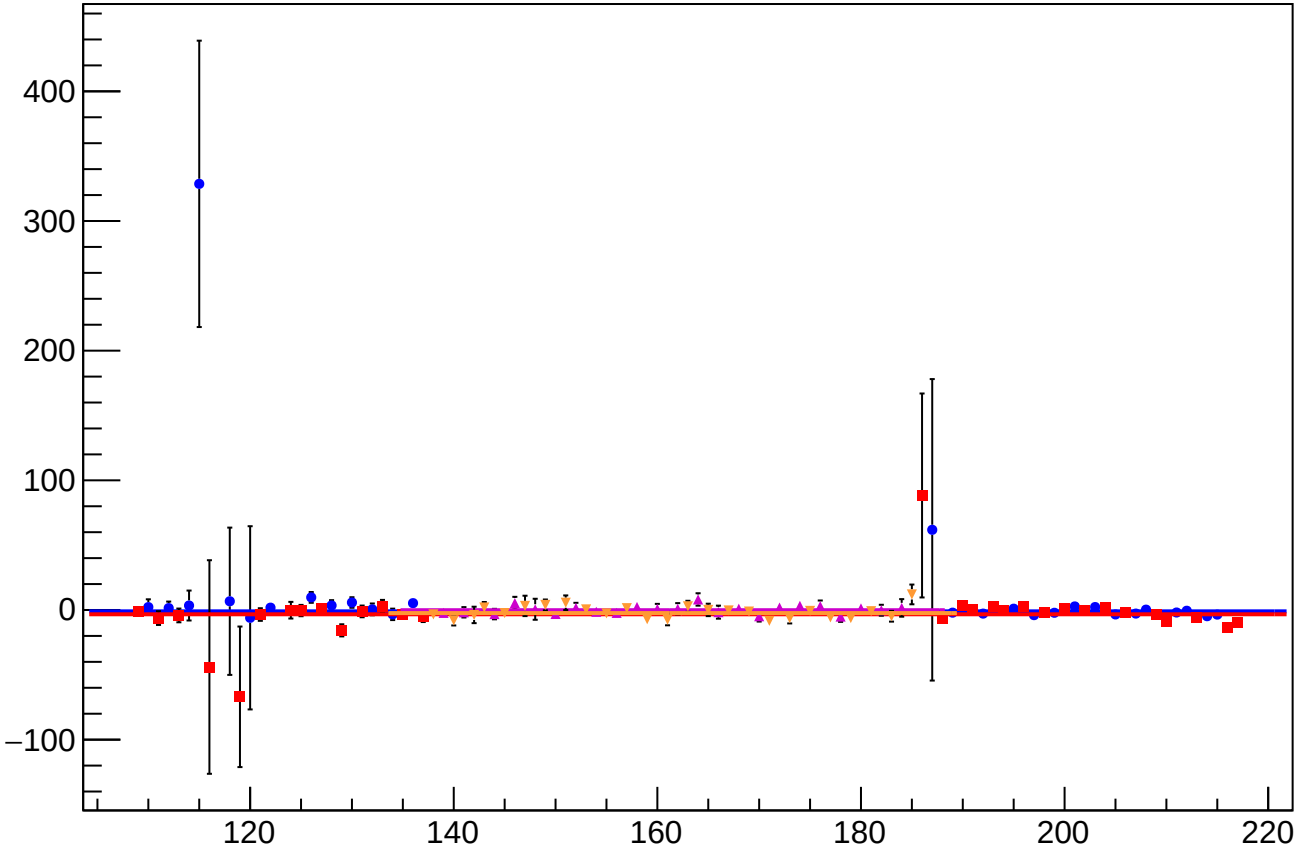
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1198.973+/-0.151 χ^2/NDF: 10359801.6/52

All: 1205.076+/-0.108 χ^2/NDF: 21908970.6/1

- sign 1211.479+/-0.155 χ^2/NDF: 11545814.9/53

diff_bpm1p02bY_mean vs Slug



Right In: -1.046+/-0.426 χ^2/NDF: 55.5/27

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -3.311+/-0.436 χ^2/NDF: 125.6/30

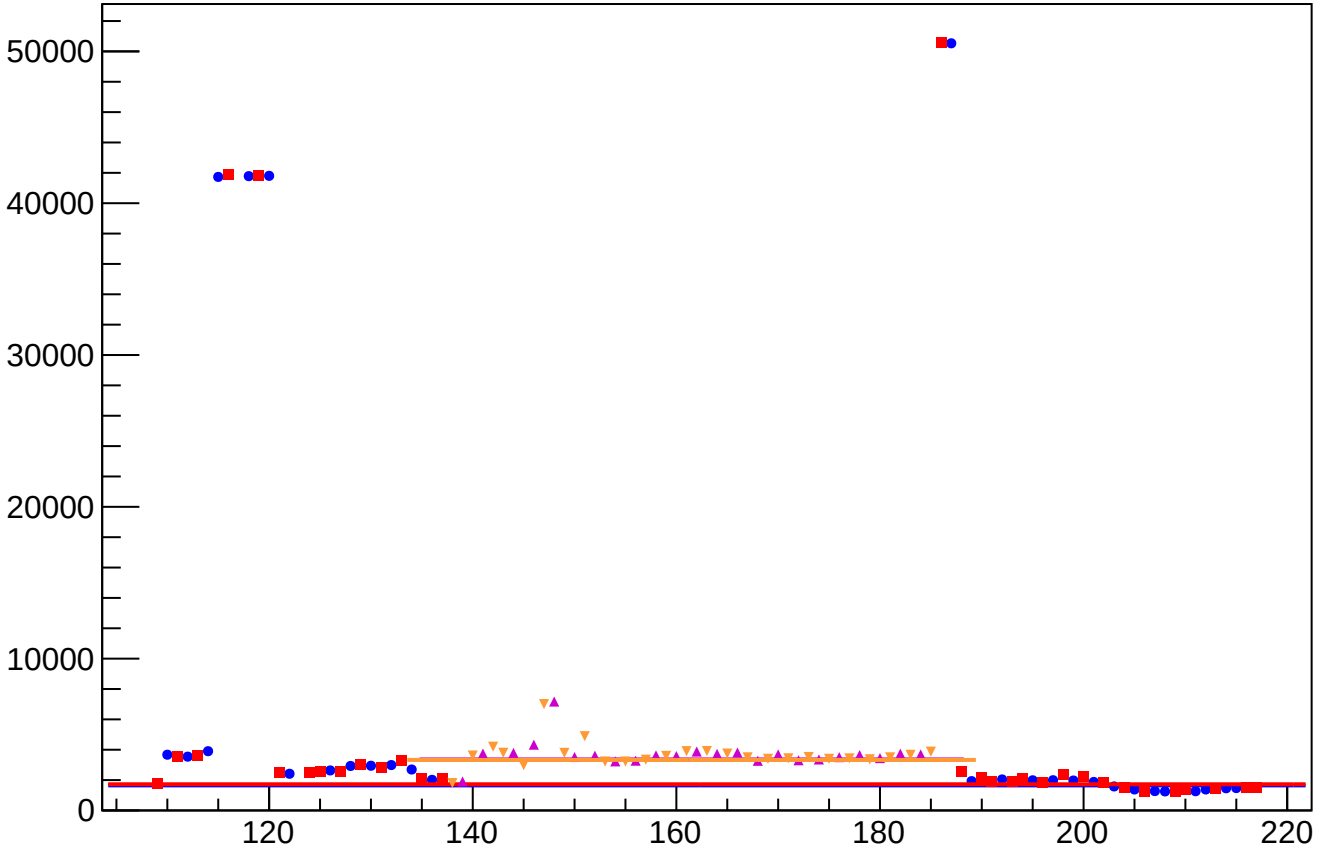
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.351+/-0.374 χ^2/NDF: 82.1/52

All: -1.962+/-0.268 χ^2/NDF: 237.4/106

- sign -2.605+/-0.384 χ^2/NDF: 149.9/53

diff_bpm1p02bY_rms vs Slug



Right In: 1651.610+/-0.301 χ^2/NDF: 4689078.7/27

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1724.850+/-0.308 χ^2/NDF: 4818865.8/30

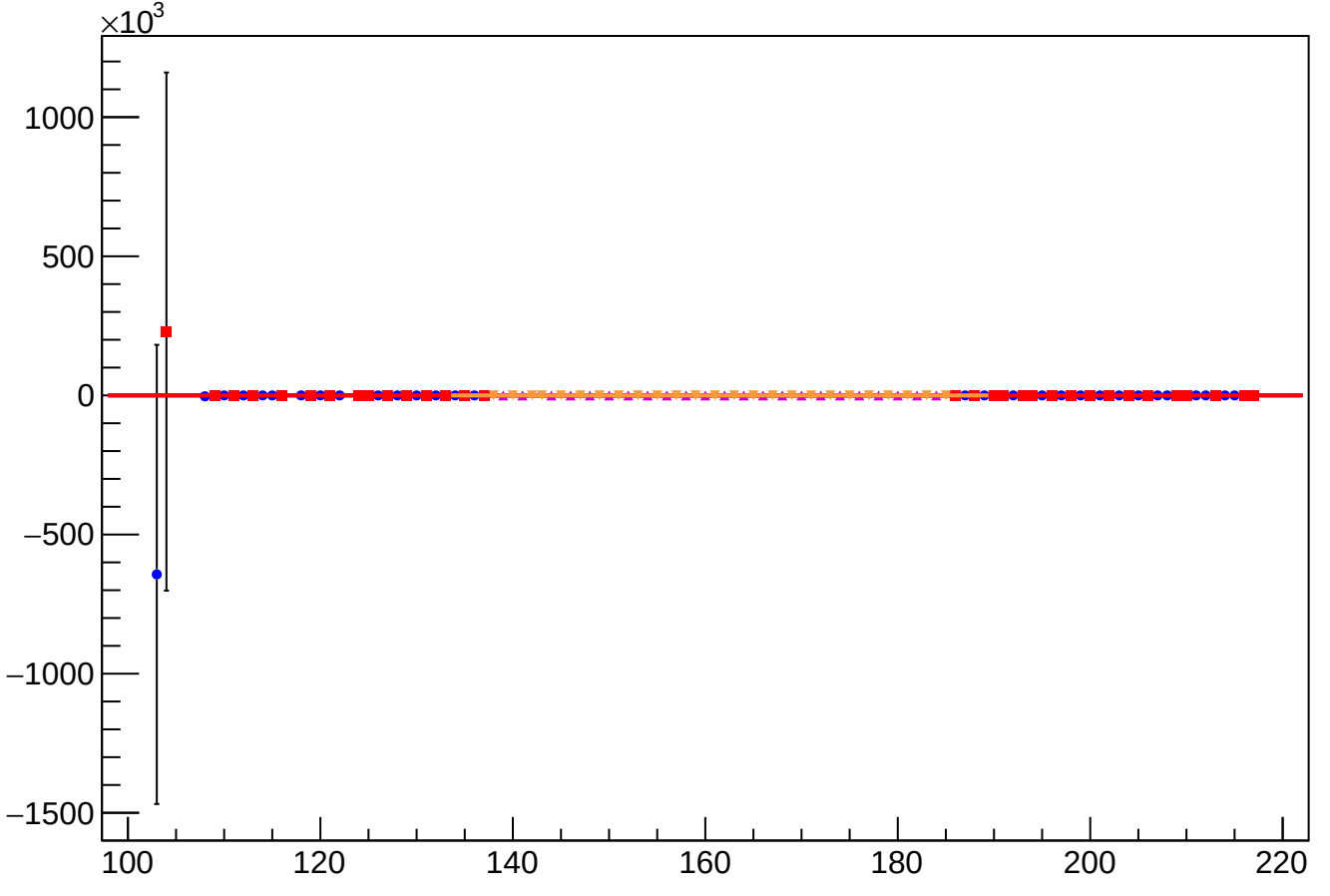
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2034.974+/-0.264 χ^2/NDF: 13694639.4/52

All: 2063.103+/-0.189 χ^2/NDF: 26515827.0/1

- sign 2092.752+/-0.271 χ^2/NDF: 12797945.6/53

diff_bpm1p03aX_mean vs Slug



Right In: -2.060+/-0.542 χ^2/NDF: 40.4/29

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -3.181+/-0.545 χ^2/NDF: 66.3/31

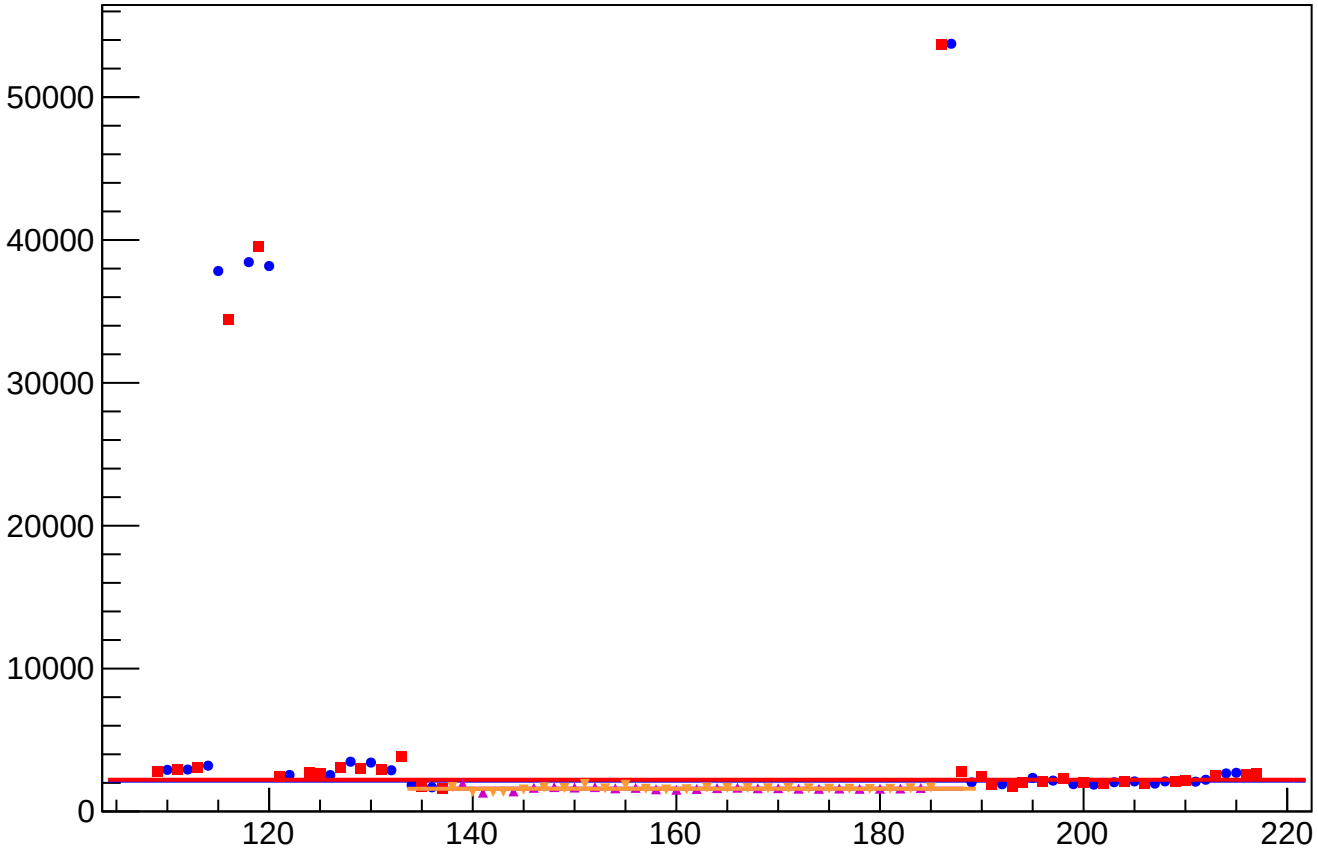
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.723+/-0.302 χ^2/NDF: 91.2/54

All: -1.374+/-0.216 χ^2/NDF: 211.0/109

- sign -1.009+/-0.309 χ^2/NDF: 117.0/54

diff_bpm1p03aX_rms vs Slug



Right In: 2156.048+/-0.384 χ^2/NDF: 3140015.8/27

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2219.920+/-0.385 χ^2/NDF: 3370113.7/30

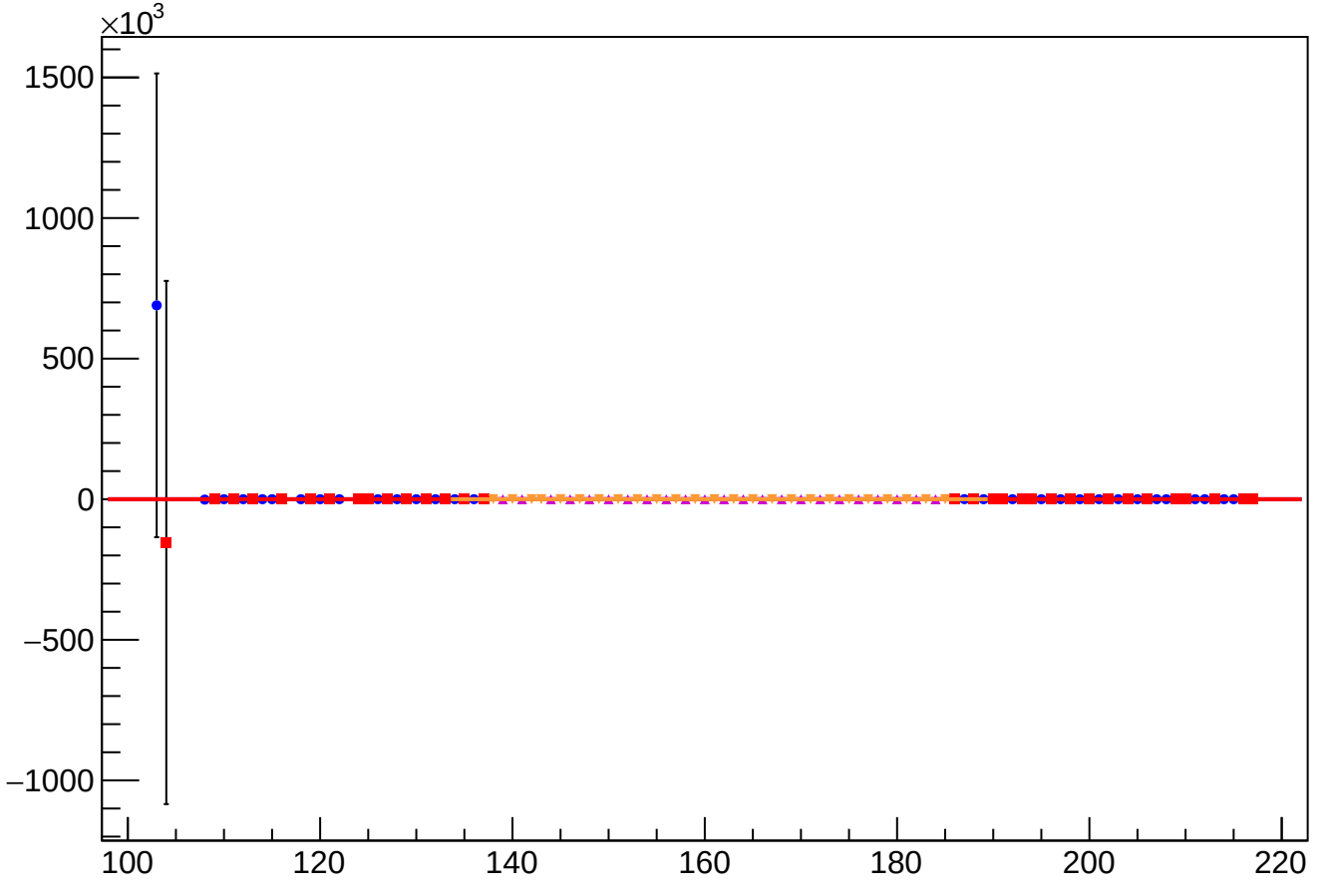
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1764.685+/-0.213 χ^2/NDF: 4879898.0/52

All: 1780.203+/-0.153 χ^2/NDF: 10239446.8/1

- sign 1796.441+/-0.218 χ^2/NDF: 5348714.9/53

diff_bpm1p03aY_mean vs Slug



Right In: -0.262+/-0.363 χ^2/NDF: 28.7/29

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.536+/-0.358 χ^2/NDF: 61.1/31

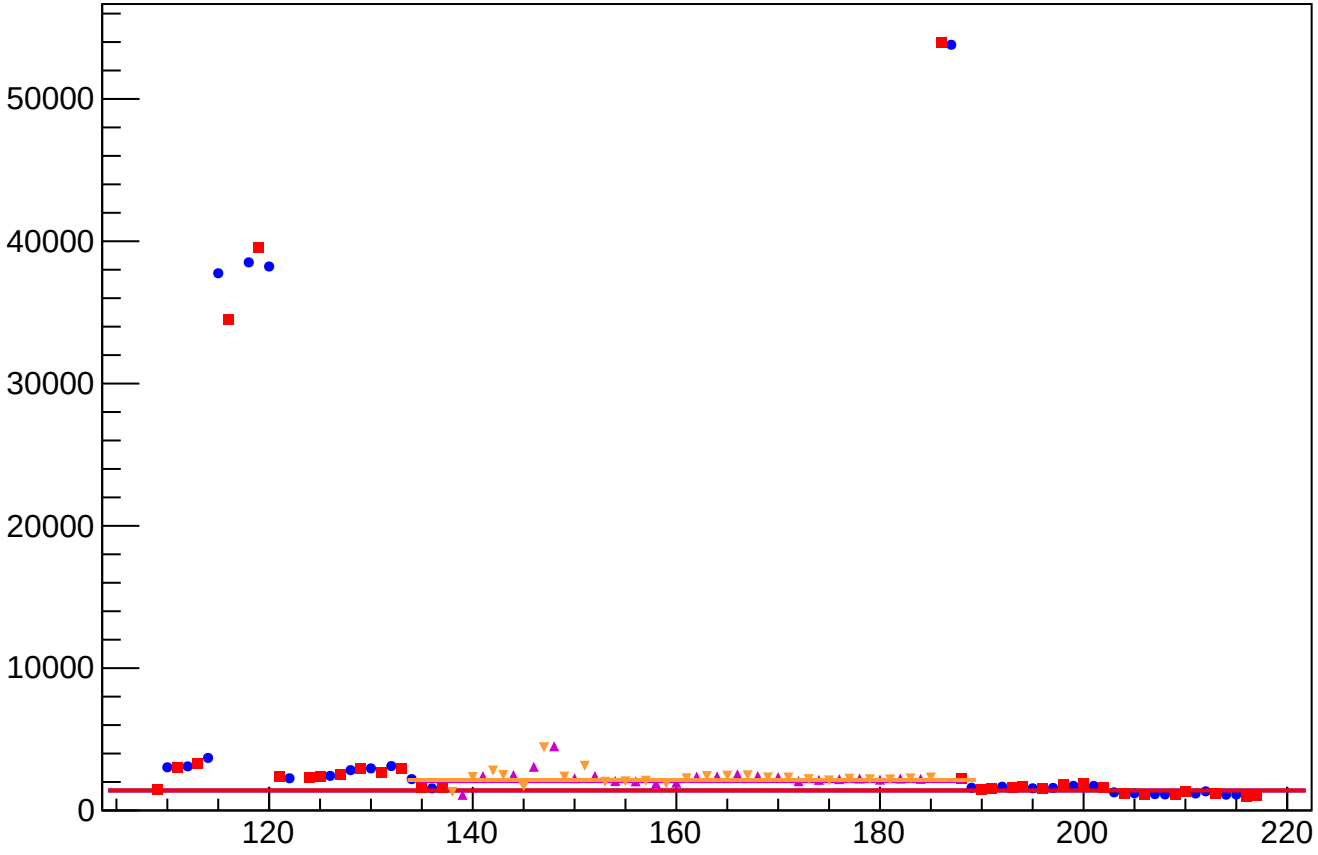
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.577+/-0.294 χ^2/NDF: 55.3/54

All: -0.778+/-0.207 χ^2/NDF: 141.5/109

- sign -0.975+/-0.291 χ^2/NDF: 85.3/54

diff_bpm1p03aY_rms vs Slug



Right In: 1404.367+/-0.257 χ^2/NDF: 4828155.7/27

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1404.743+/-0.253 χ^2/NDF: 5306264.9/30

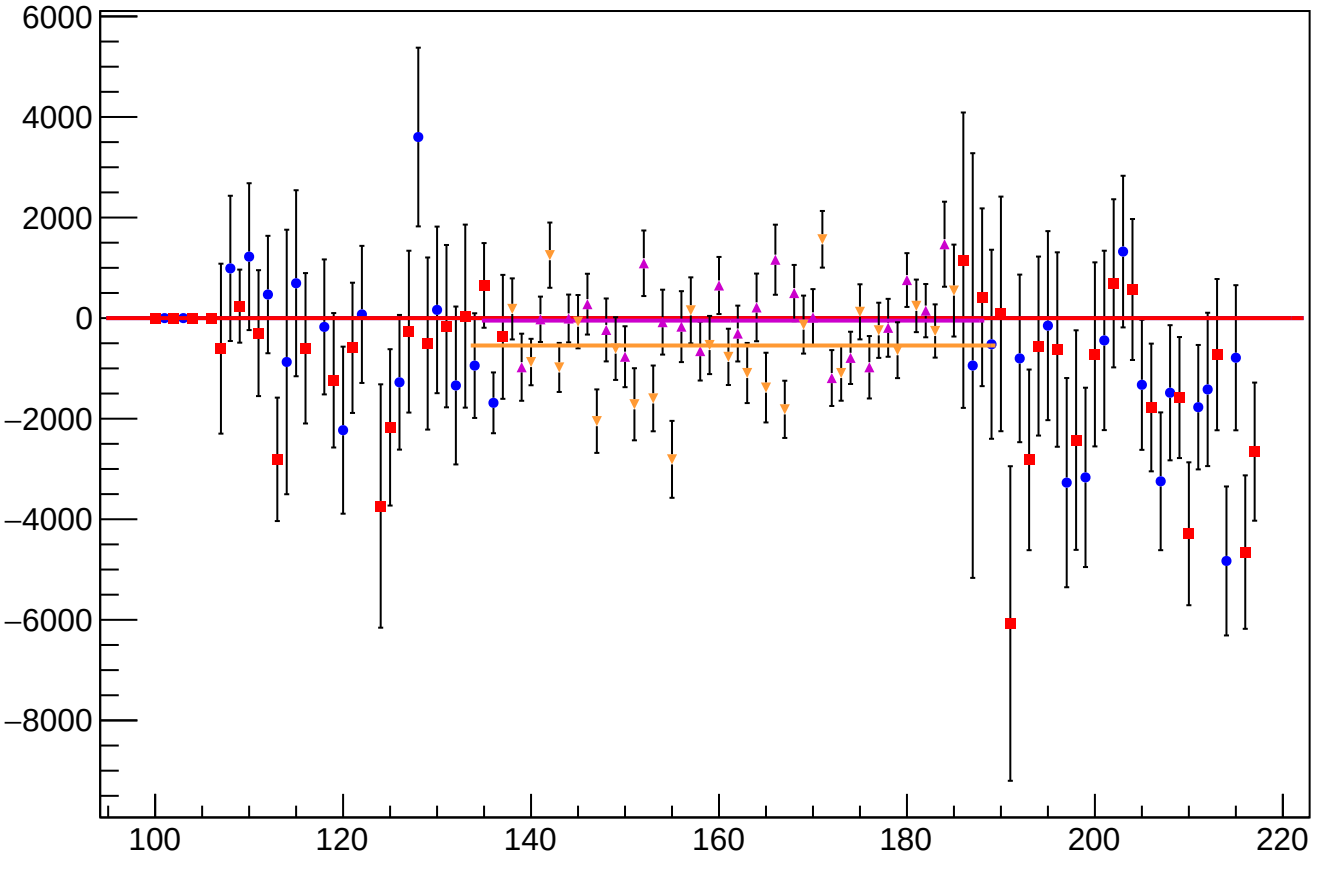
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1656.294+/-0.208 χ^2/NDF: 9119638.7/52

All: 1640.700+/-0.146 χ^2/NDF: 18981977.5/1

- sign 1625.413+/-0.206 χ^2/NDF: 9851210.8/53

diff_cav4bX_mean vs Slug



Right In: 0.254+/-0.356 χ^2/NDF: 46.3/30

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 49.8/35

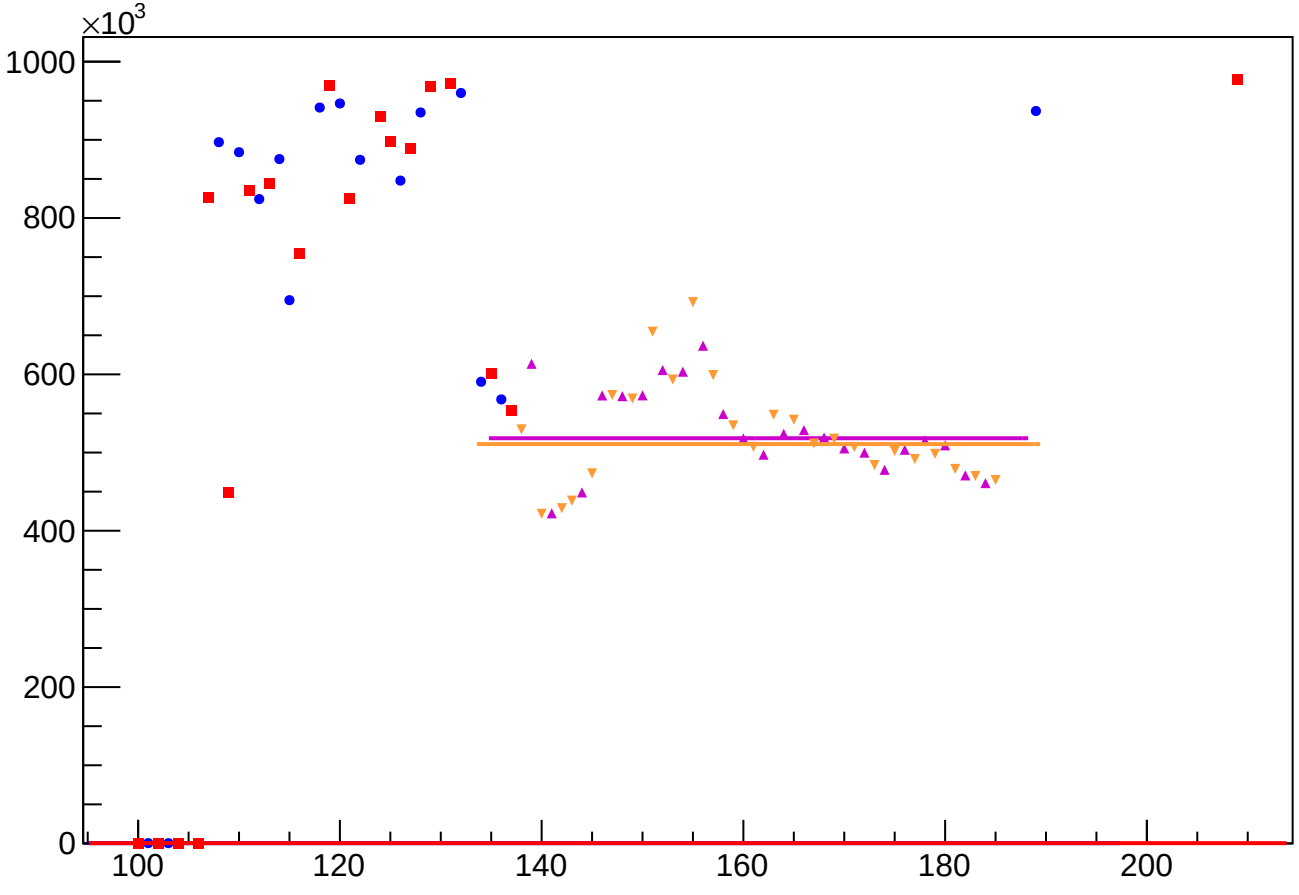
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.249+/-0.356 χ^2/NDF: 128.8/55

All: 0.165+/-0.241 χ^2/NDF: 206.8/114

- sign 0.094+/-0.328 χ^2/NDF: 78.0/58

diff_cav4bX_rms vs Slug



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

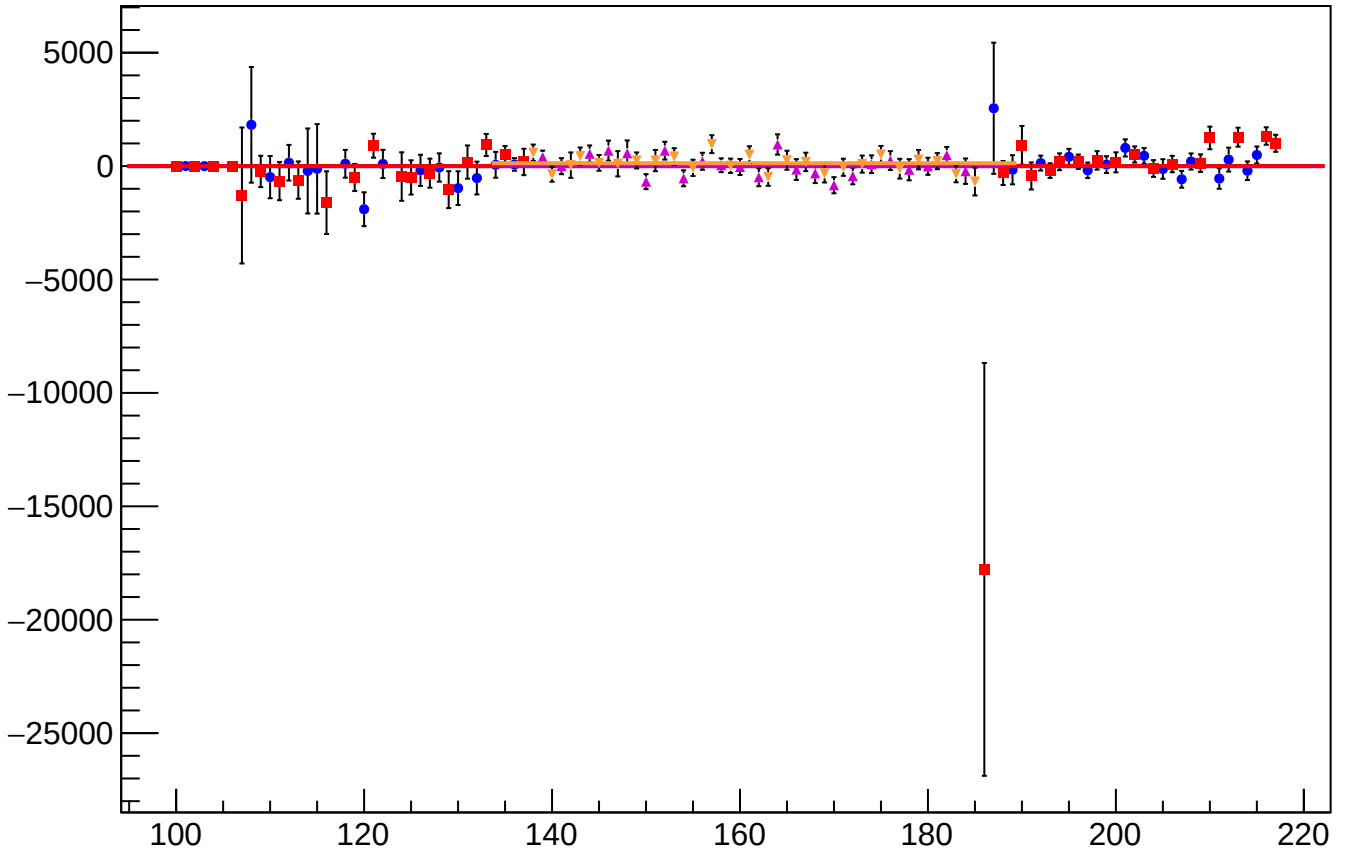
Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41



Right In: -0.019+/-0.347 χ^2/NDF: 26.0/30

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.602+/-0.324 χ^2/NDF: 59.2/35

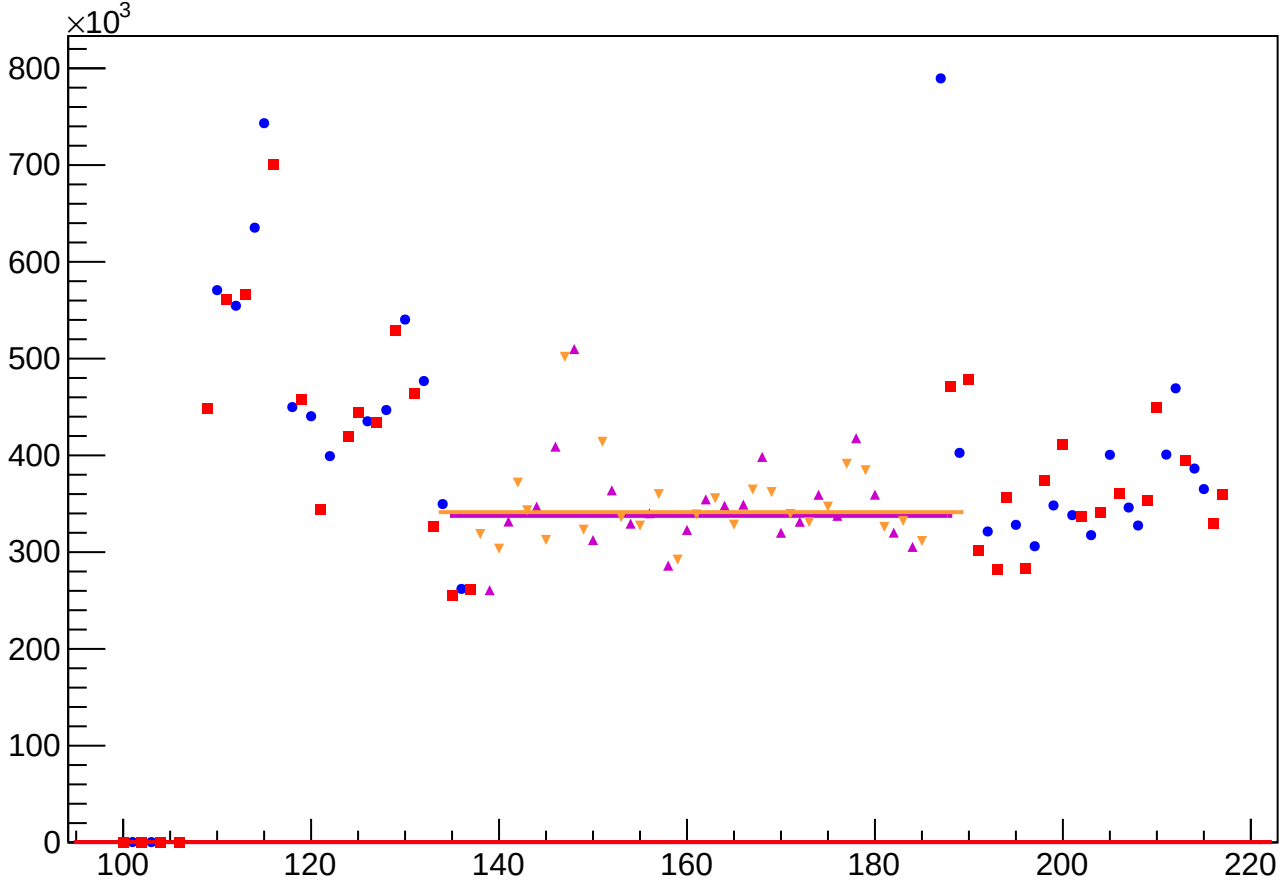
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 48.8/55

All: 0.315+/-0.237 χ^2/NDF: 143.4/114

- sign 0.603+/-0.324 χ^2/NDF: 92.9/58

diff_cav4bY_rms vs Slug



Right In: 394.202+/-0.245 χ^2/NDF: 34208231.2/29

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.618+/-0.229 χ^2/NDF: 35917907.9/33

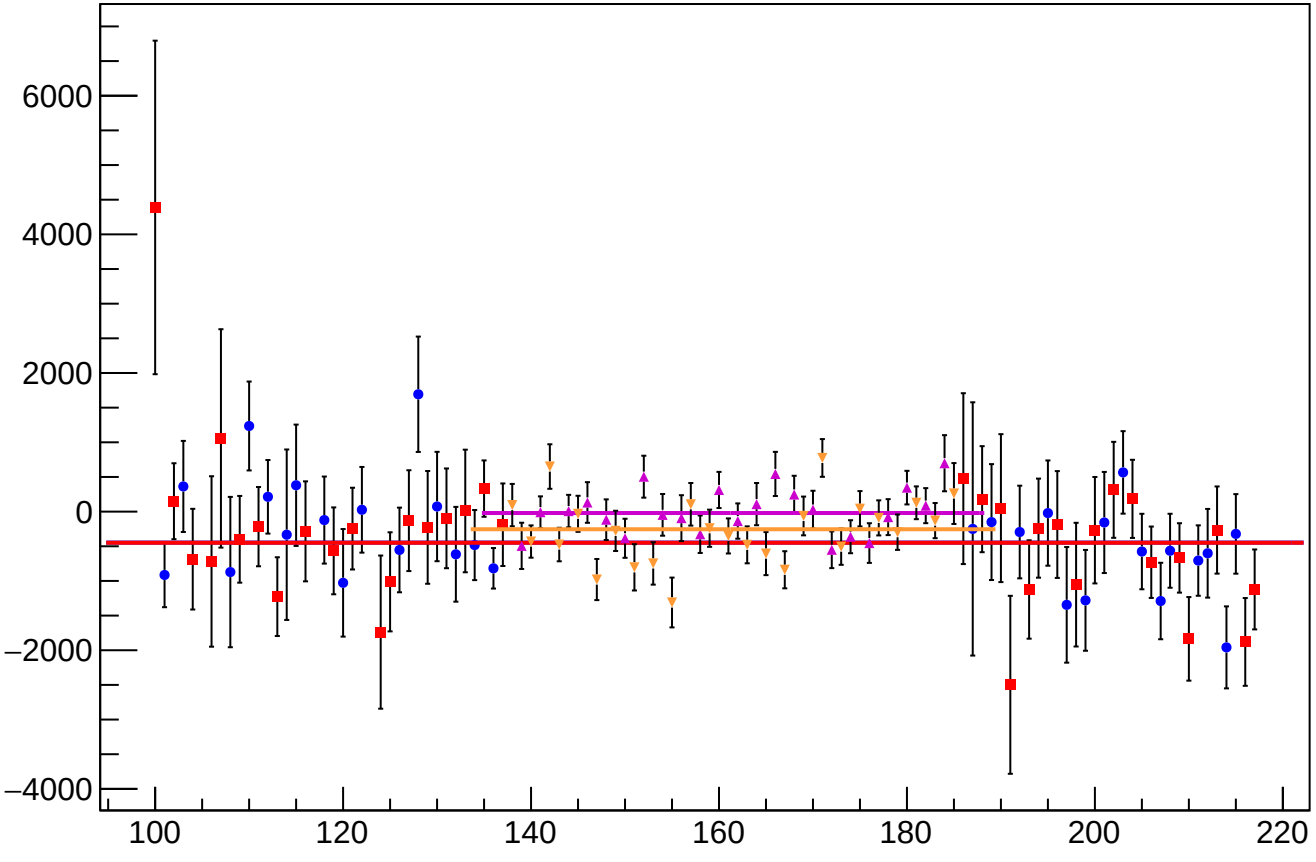
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 400.911+/-0.245 χ^2/NDF: 72578267.2/54

All: 398.912+/-0.167 χ^2/NDF: 144814723.1/1

- sign 397.173+/-0.229 χ^2/NDF: 72236331.9/56

diff_cav4cX_mean vs Slug



Right In: -446.801+/-110.319 χ^2/NDF: 37.5/30

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

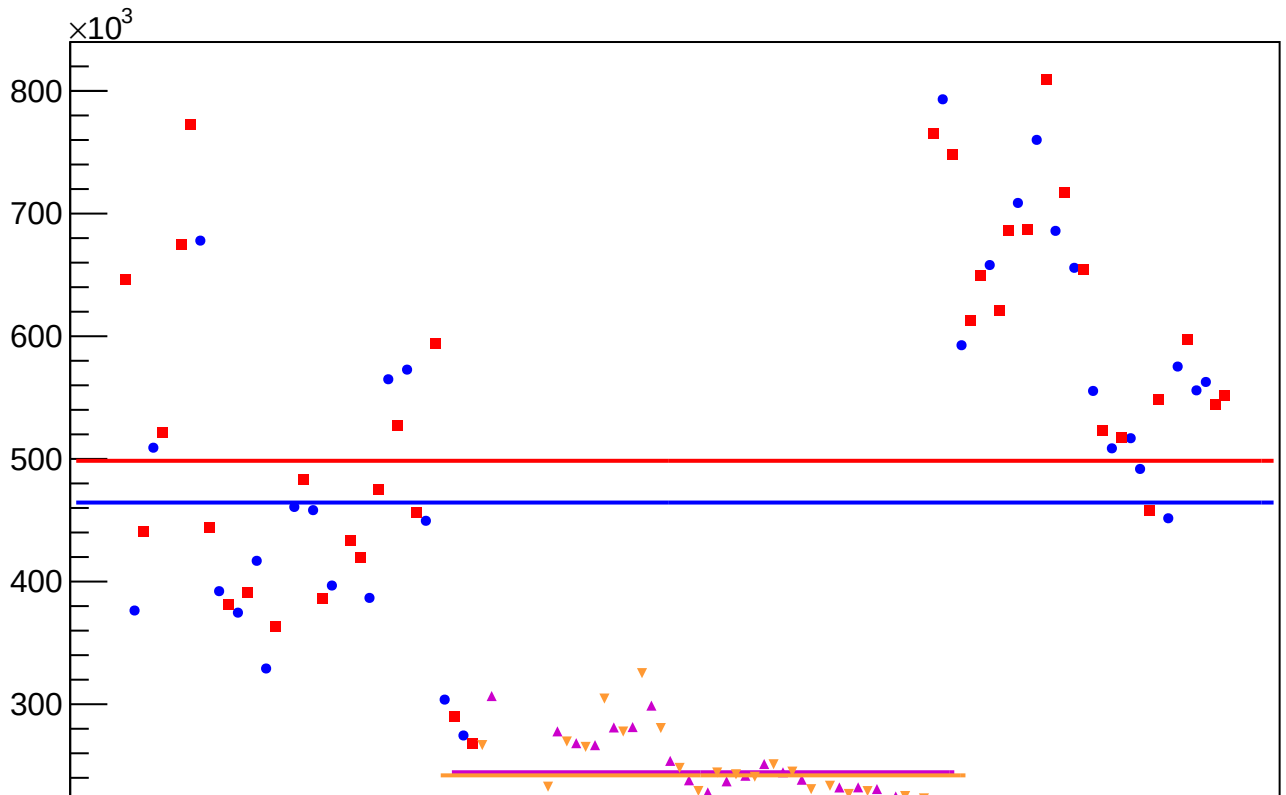
Right Out: -449.059+/-113.964 χ^2/NDF: 35.6/35

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -293.145+/-49.521 χ^2/NDF: 101.3/55

All: -203.479+/-35.637 χ^2/NDF: 183.6/114

- sign -107.162+/-51.324 χ^2/NDF: 75.5/58



Right In: 464420.321+/-78.020 χ^2/NDF: 2773132.6/30

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 498462.068+/-80.661 χ^2/NDF: 2612146.3/35

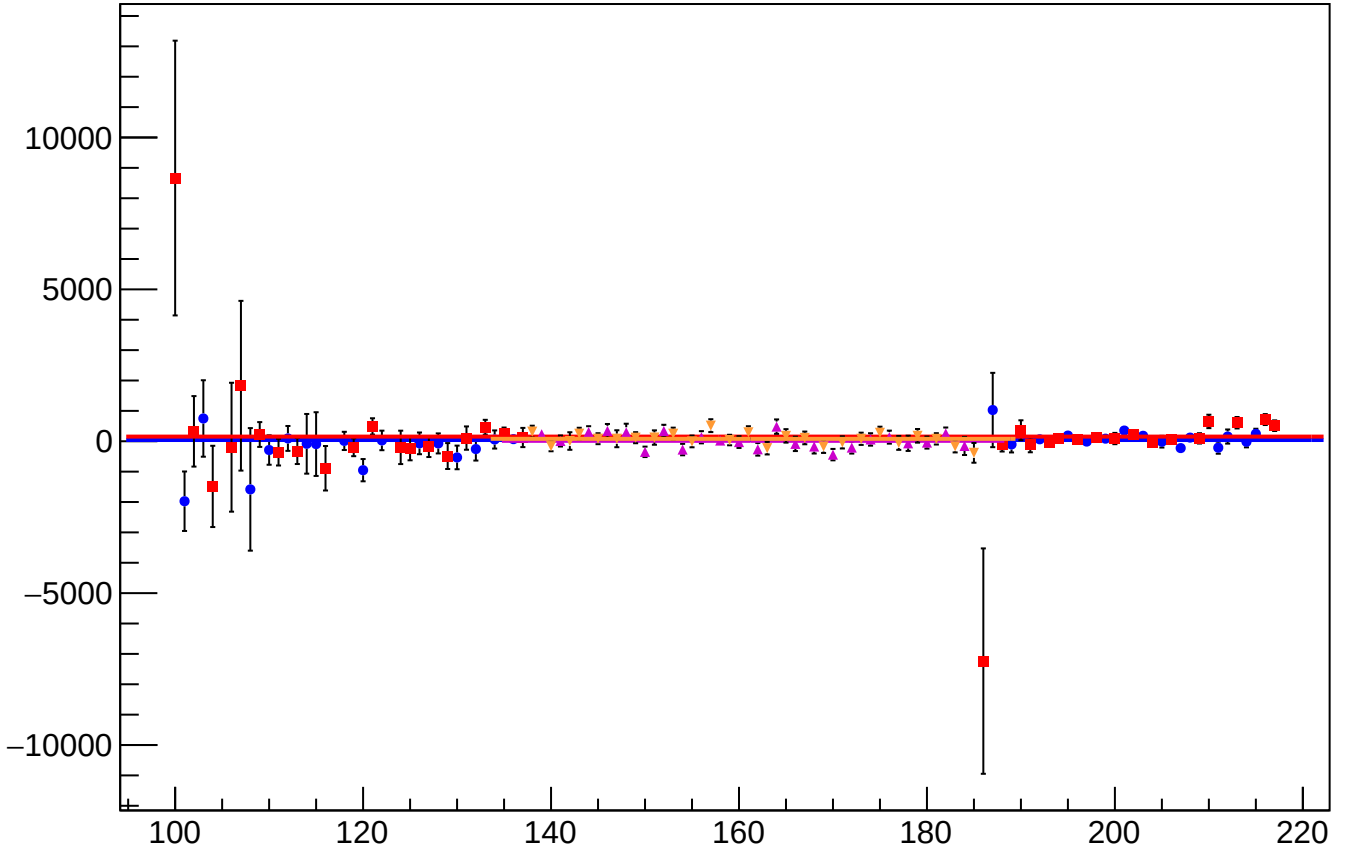
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 286812.609+/-35.017 χ^2/NDF: 9675839.7/55

All: 291224.521+/-25.202 χ^2/NDF: 2058536

- sign 295965.225+/-36.299 χ^2/NDF: 10876597.9/5

diff_cav4cY_mean vs Slug



Right In: 40.901+/-39.318 χ^2/NDF: 29.5/30

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

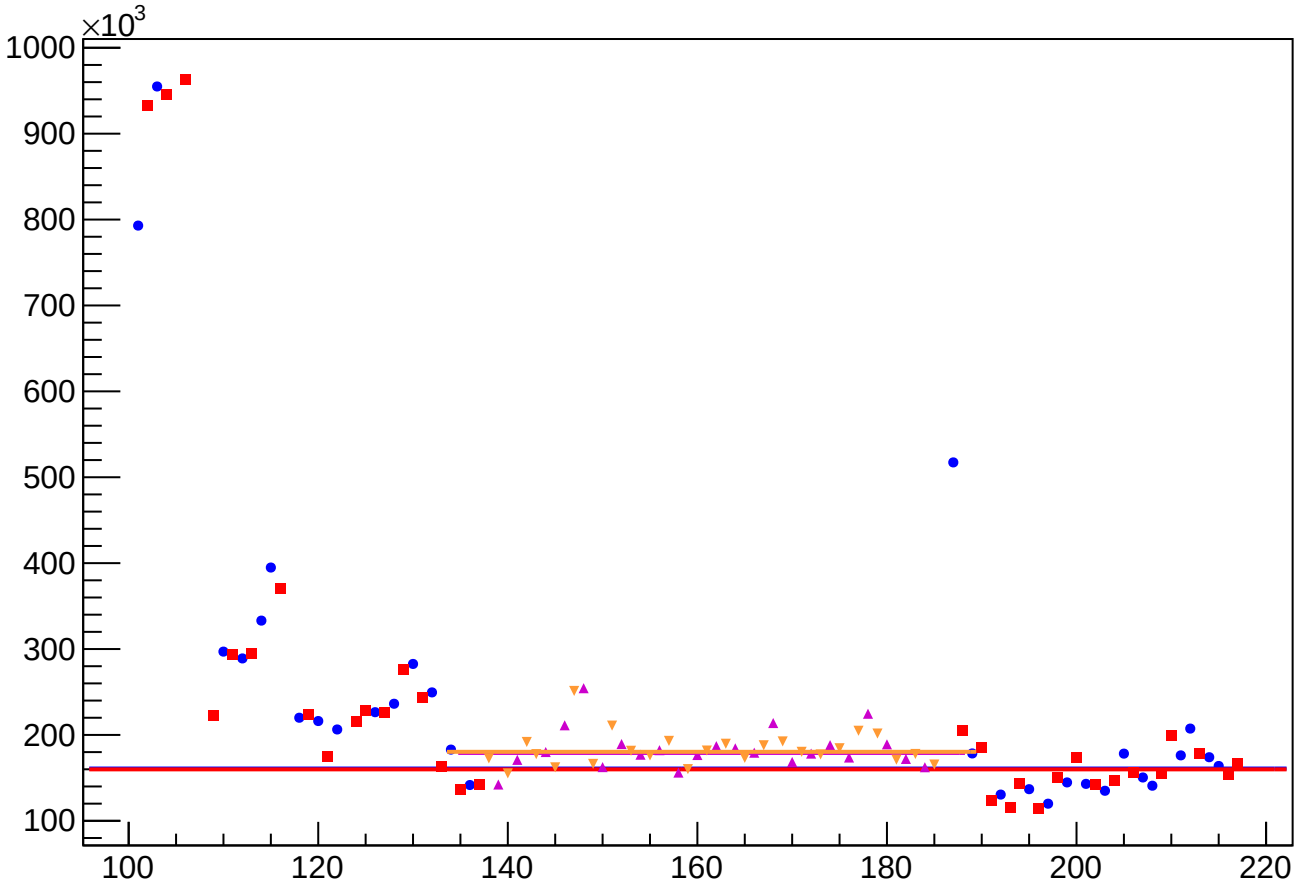
Right Out: 153.415+/-38.409 χ^2/NDF: 57.2/35

Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 59.249+/-28.477 χ^2/NDF: 49.7/55

All: 74.817+/-20.114 χ^2/NDF: 146.6/114

- sign 90.318+/-28.415 χ^2/NDF: 96.3/58



Right In: 160881.530+/-27.811 χ^2/NDF: 3370405.0/29

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159908.136+/-27.174 χ^2/NDF: 3365265.7/32

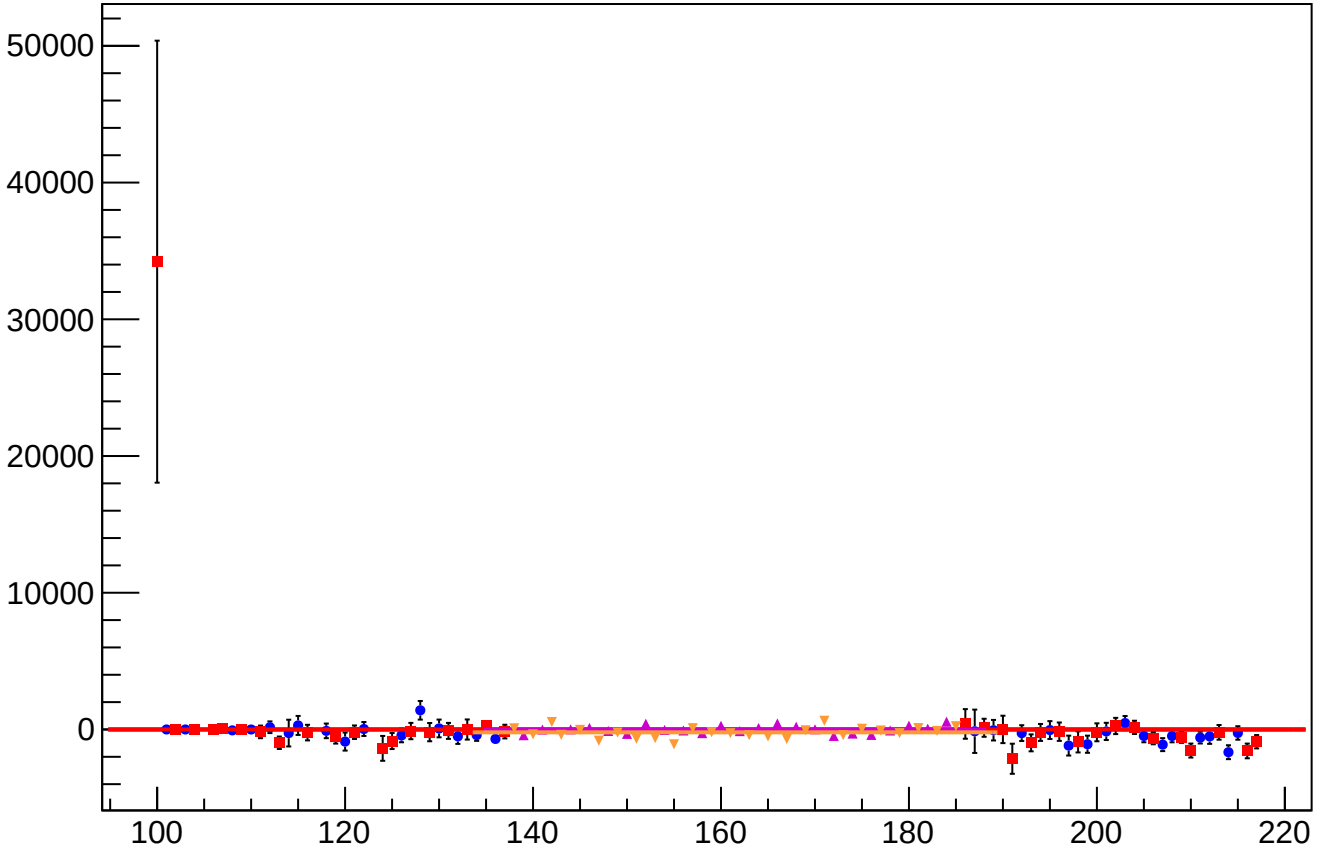
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 170137.136+/-20.140 χ^2/NDF: 3949882.2/54

All: 169350.331+/-14.226 χ^2/NDF: 8043748.

- sign 168566.757+/-20.099 χ^2/NDF: 4090819.6/55

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 46.2/30

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

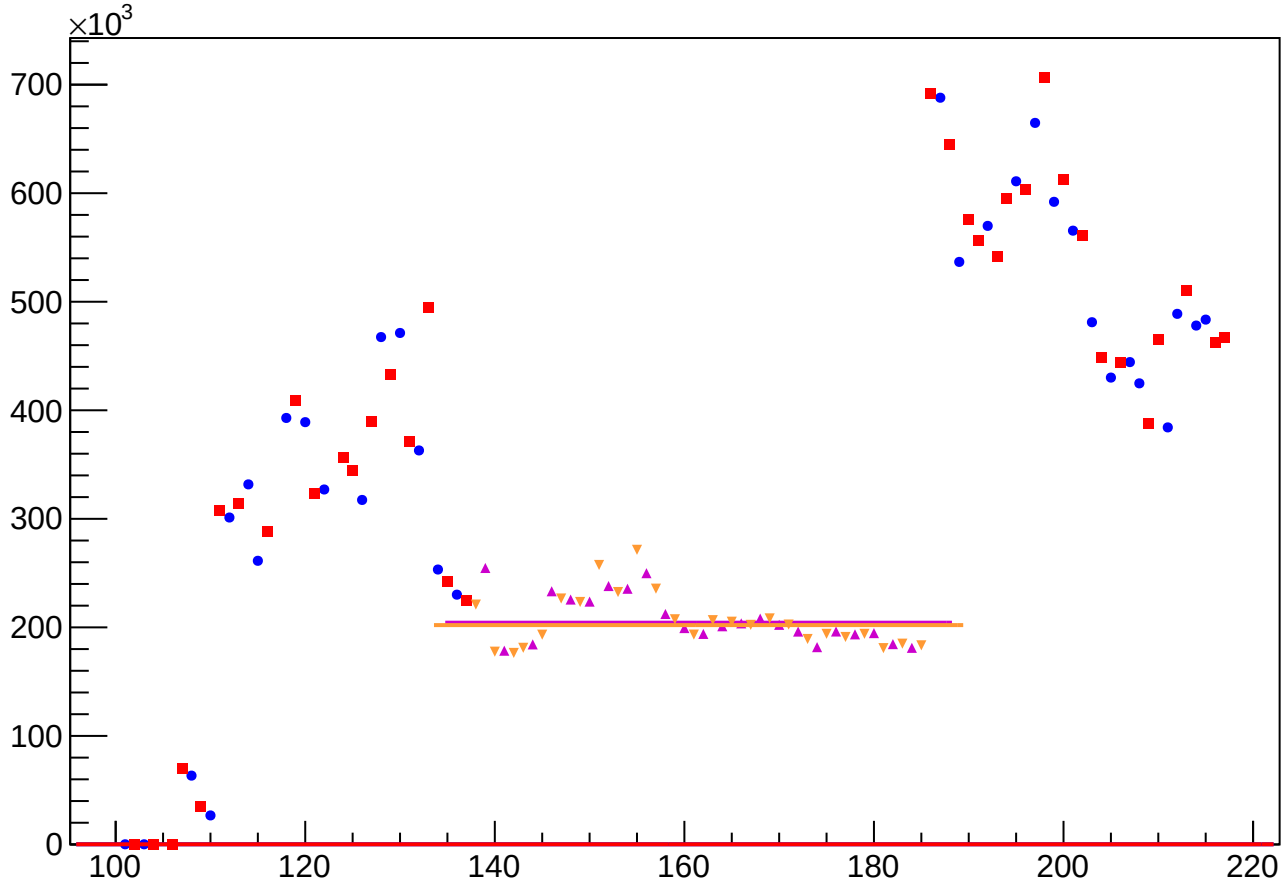
Right Out: -0.356+/-0.160 χ^2/NDF: 49.9/35

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 128.0/55

All: -0.209+/-0.117 χ^2/NDF: 208.4/114

- sign -0.356+/-0.160 χ^2/NDF: 78.6/58



Right In: 149.801+/-0.122 χ^2/NDF: 35262500.6/30

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.021+/-0.113 χ^2/NDF: 37556350.8/34

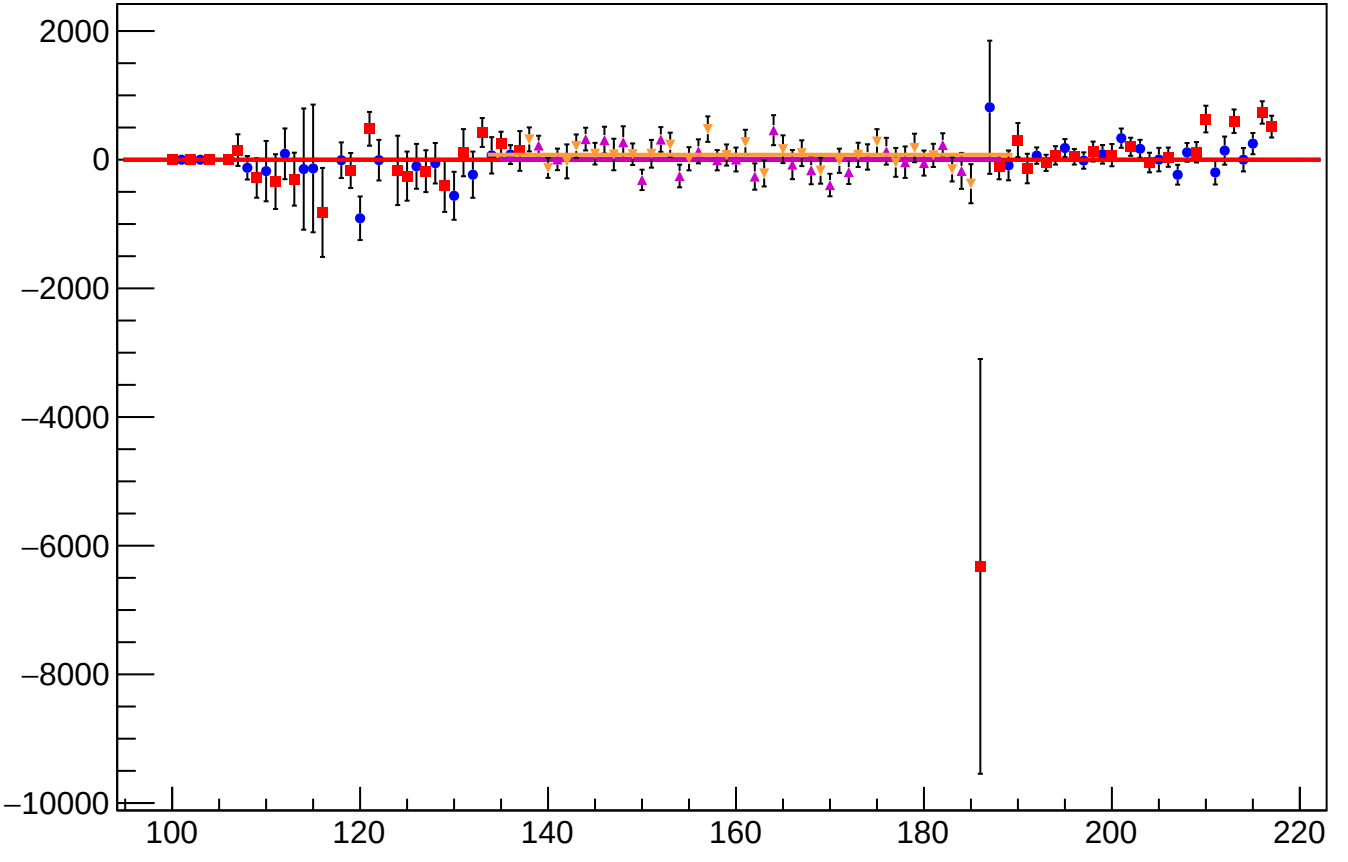
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.598+/-0.122 χ^2/NDF: 73758106.9/55

All: 152.433+/-0.083 χ^2/NDF: 147817015.3/1

- sign 152.290+/-0.113 χ^2/NDF: 74058905.0/57

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 27.5/30

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

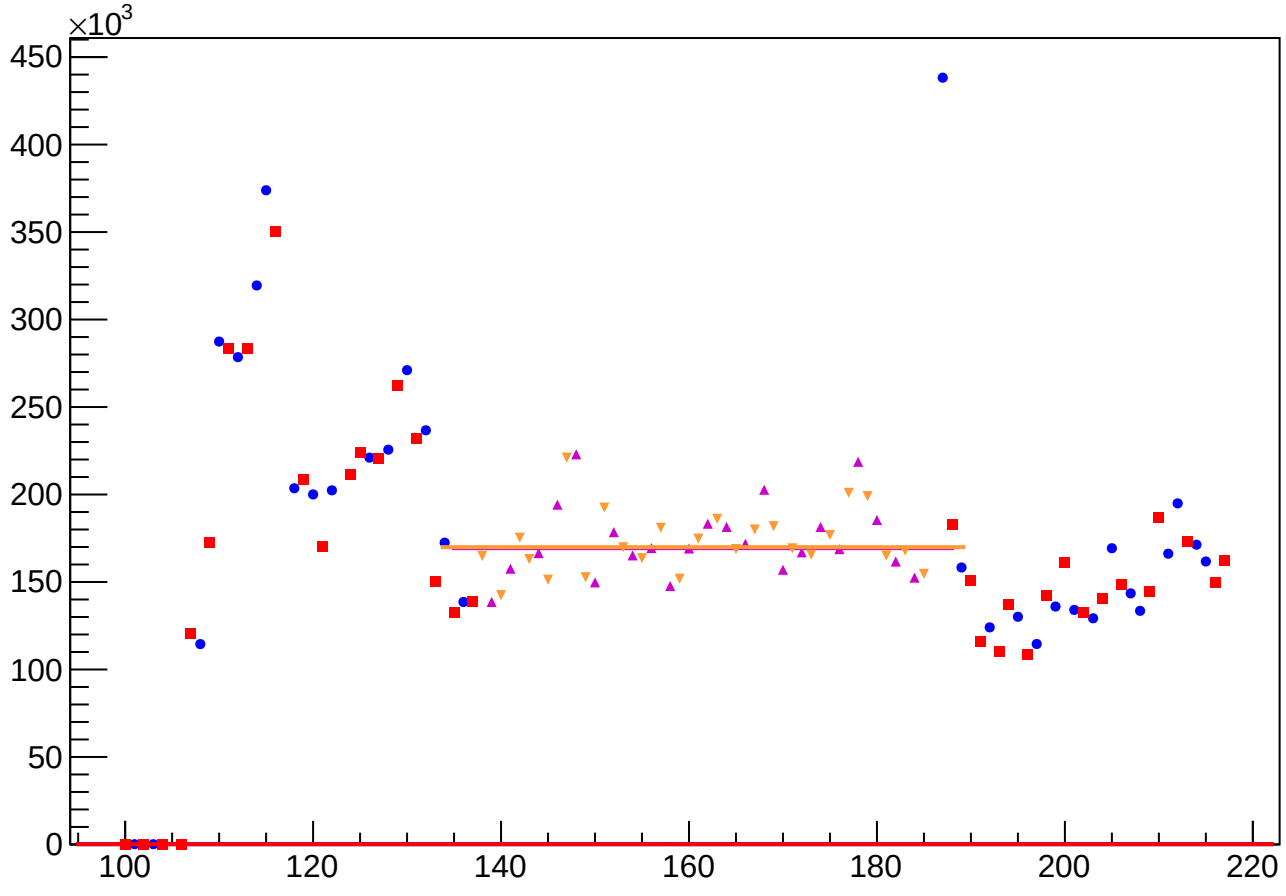
Right Out: 0.129+/-0.166 χ^2/NDF: 72.1/35

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 50.5/55

All: 0.038+/-0.121 χ^2/NDF: 156.0/114

- sign 0.129+/-0.166 χ^2/NDF: 104.9/58



Right In: 156.009+/-0.125 χ^2/NDF: 35482557.0/30

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.557+/-0.118 χ^2/NDF: 36411188.2/34

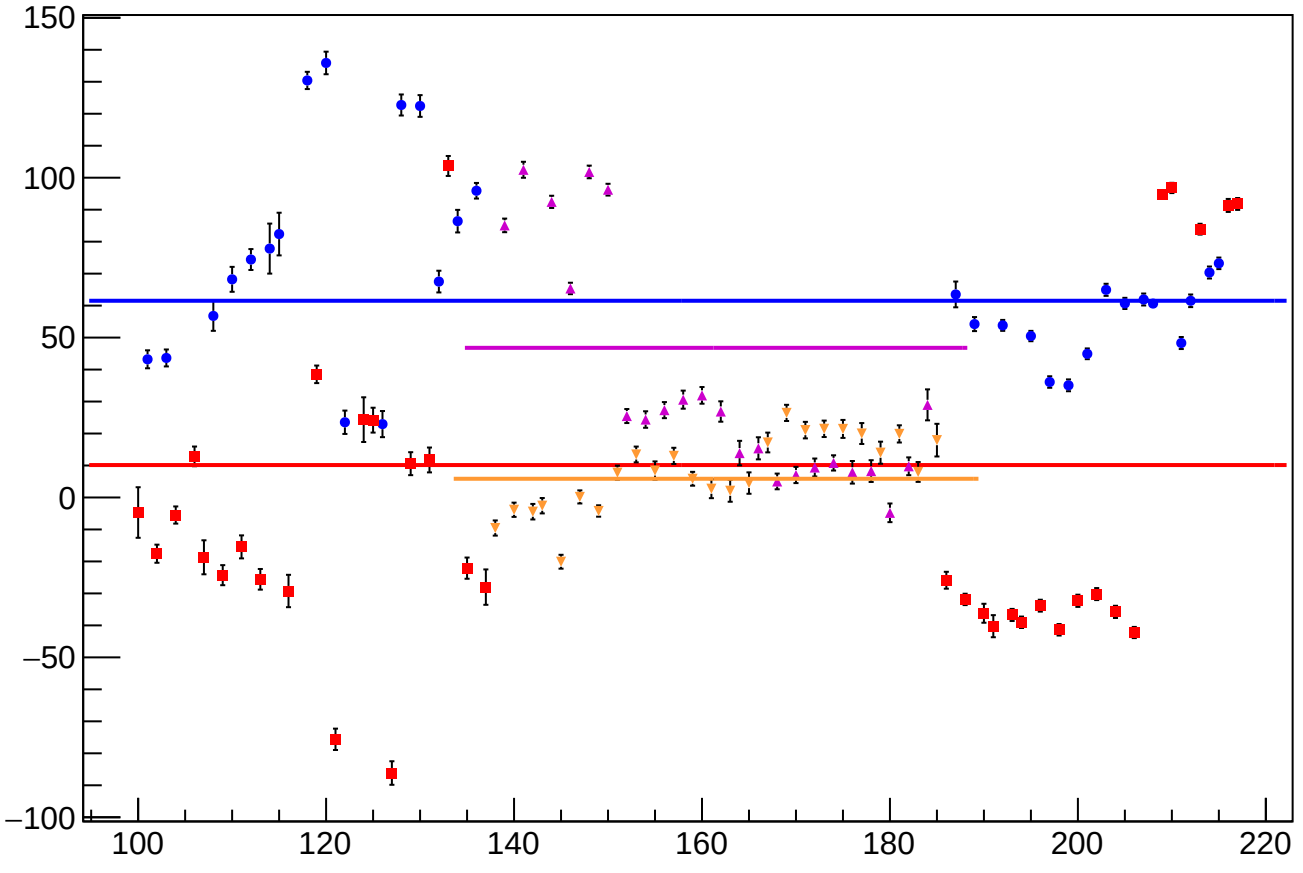
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 159.529+/-0.125 χ^2/NDF: 73893543.2/55

All: 160.575+/-0.086 χ^2/NDF: 146688858.1/1

- sign 161.499+/-0.118 χ^2/NDF: 72795183.7/57

diff_bpm0i01X_mean vs Slug



Right In: 61.516+/-0.417 χ^2/NDF: 3030.5/30

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 10.140+/-0.394 χ^2/NDF: 22507.0/35

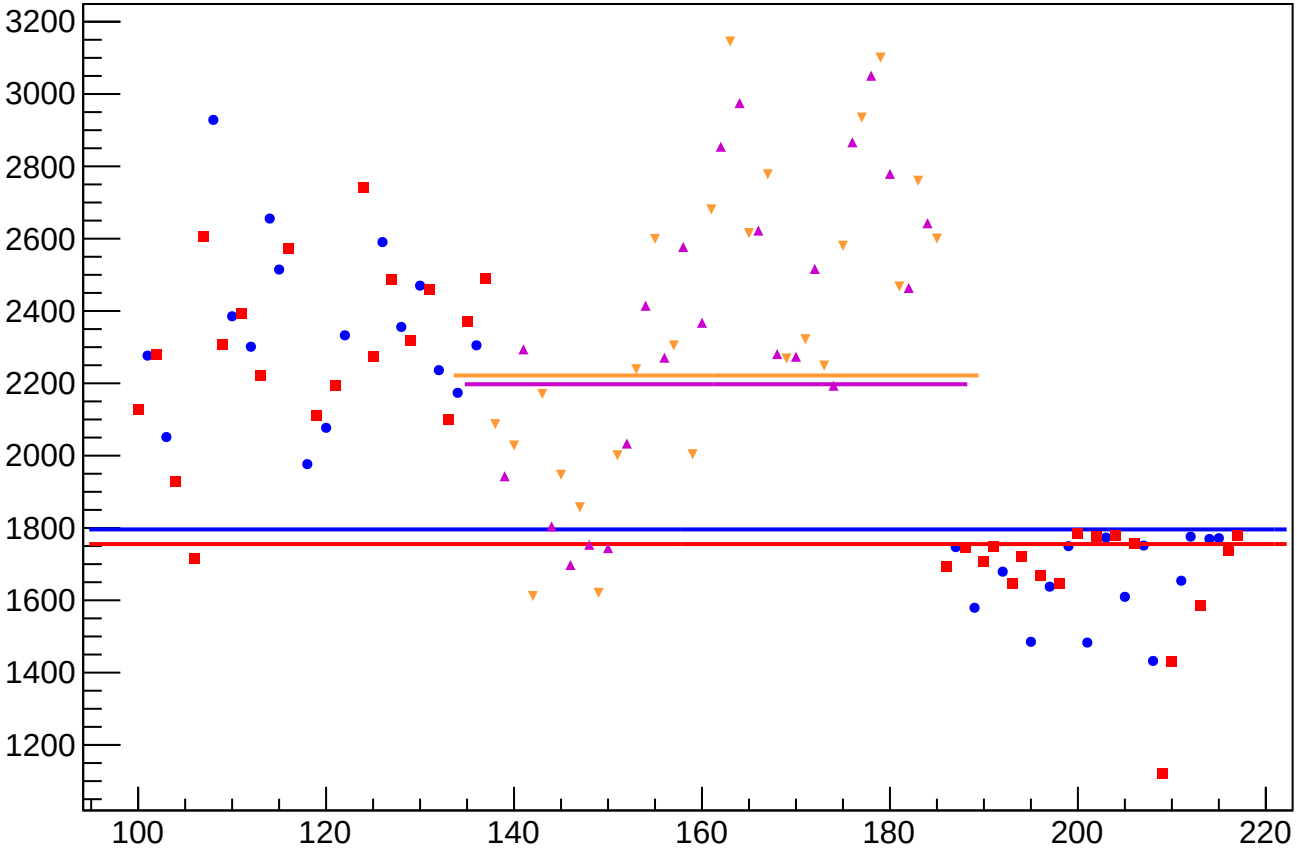
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 39.414+/-0.324 χ^2/NDF: 10637.5/55

All: 31.181+/-0.226 χ^2/NDF: 42698.2/114

- sign 23.382+/-0.315 χ^2/NDF: 30802.4/58

diff_bpm0i01X_rms vs Slug



Right In: 1796.002+/-0.295 χ^2/NDF: 1087053.2/30

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1755.522+/-0.279 χ^2/NDF: 1477834.6/35

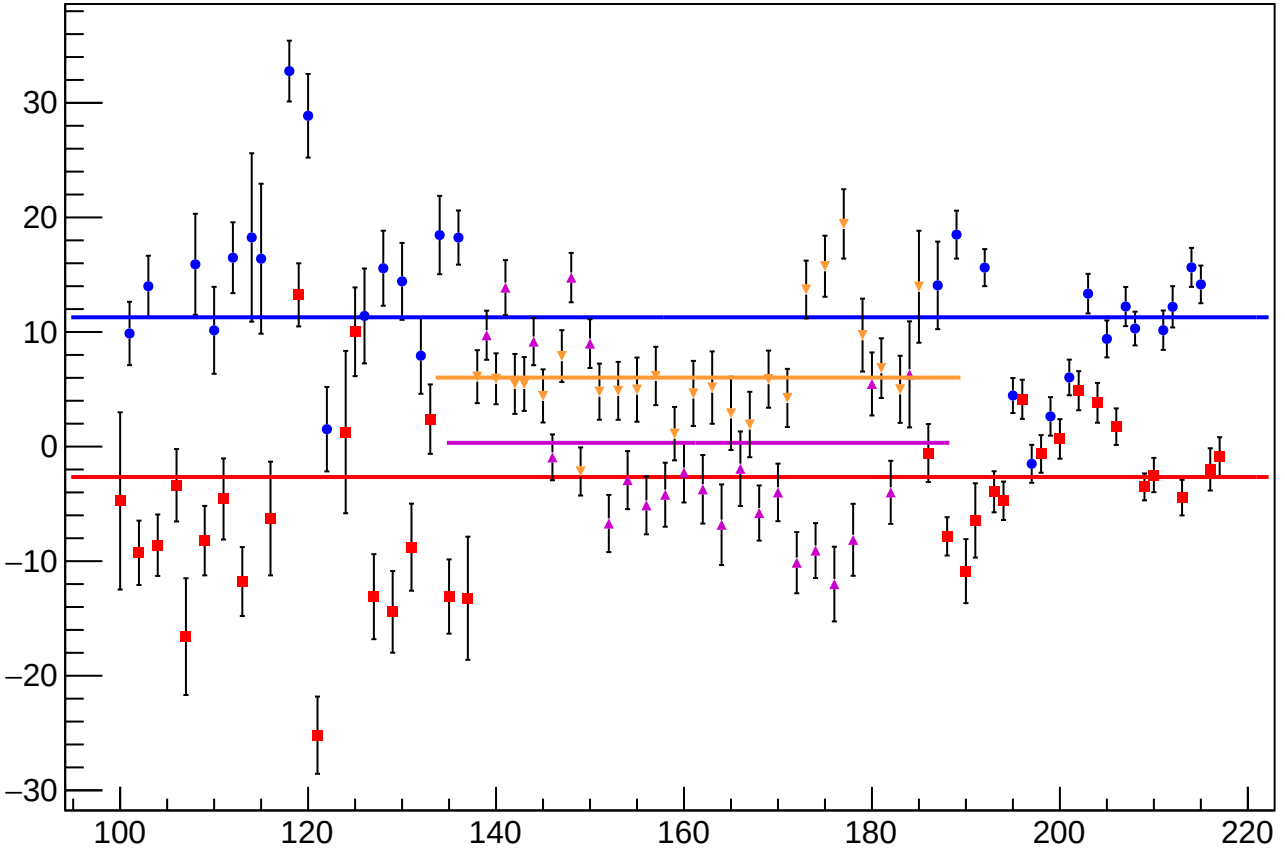
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1965.059+/-0.229 χ^2/NDF: 3098568.8/55

All: 1939.441+/-0.160 χ^2/NDF: 6612524.7/11

- sign 1915.172+/-0.223 χ^2/NDF: 3489587.9/58

diff_bpm0i01Y_mean vs Slug



Right In: 11.286+/-0.391 χ^2/NDF: 270.4/30

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

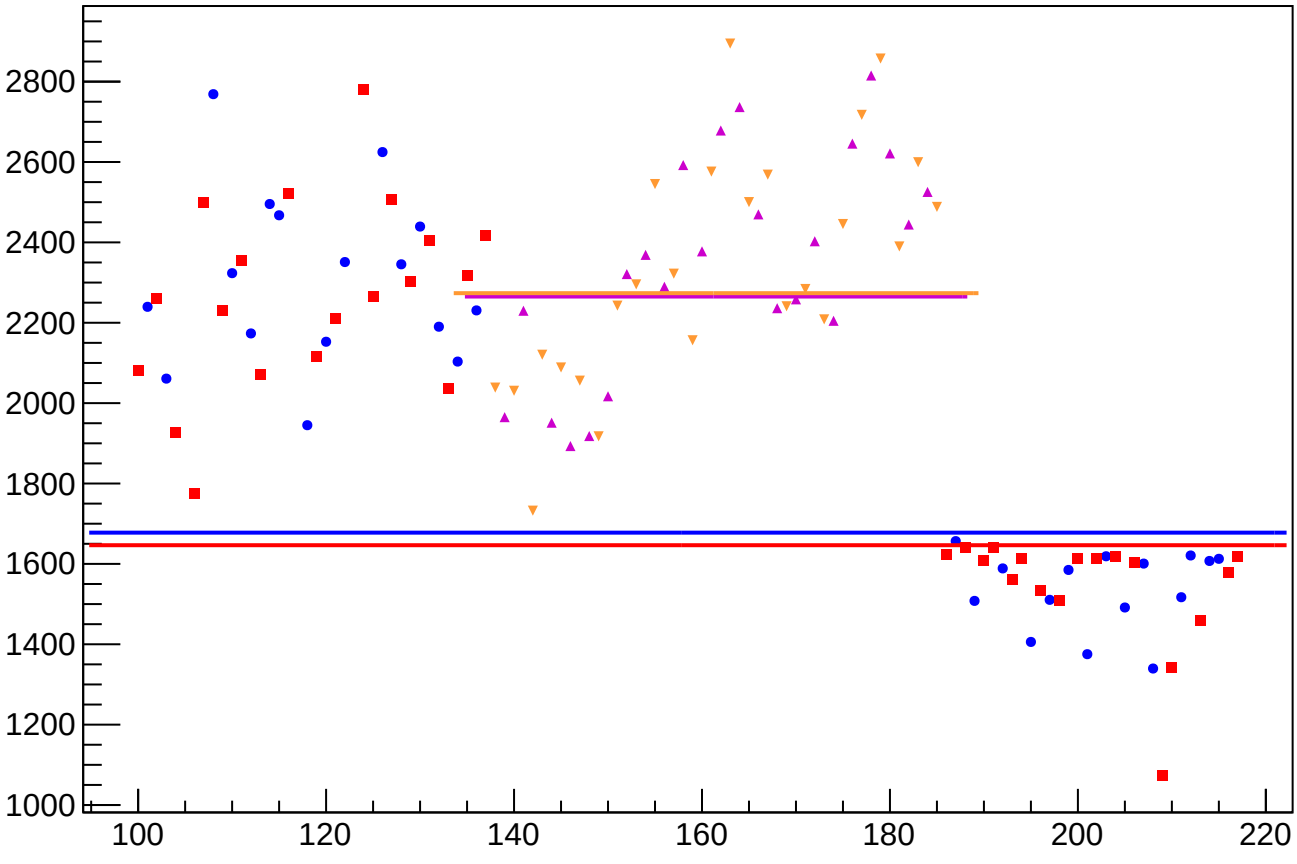
Right Out: -2.657+/-0.371 χ^2/NDF: 246.3/35

Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.391+/-0.313 χ^2/NDF: 407.6/55

All: 3.710+/-0.218 χ^2/NDF: 1544.3/114

- sign -1.688+/-0.305 χ^2/NDF: 492.3/58



Right In: 1677.756+/-0.276 χ^2/NDF: 1358884.0/30

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1646.488+/-0.262 χ^2/NDF: 1695912.1/35

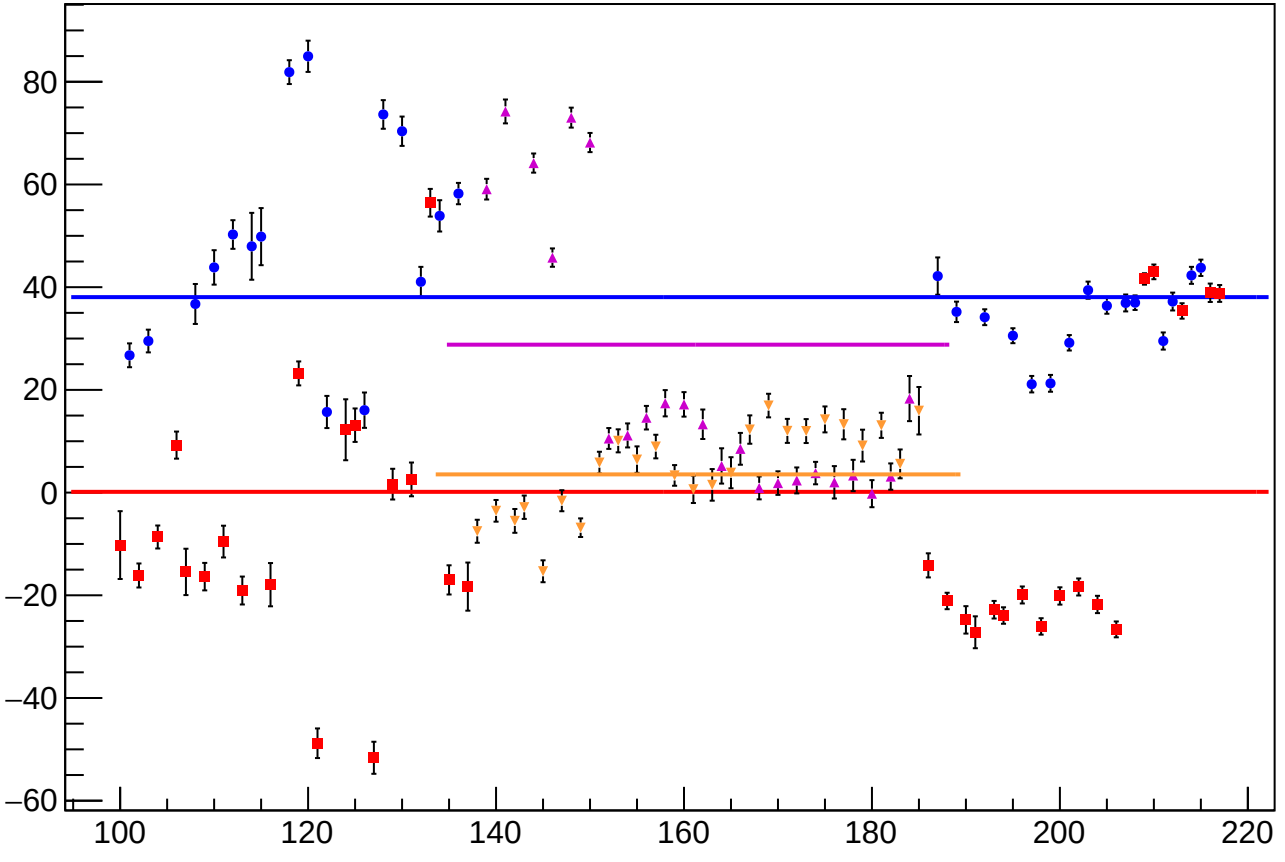
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1892.273+/-0.221 χ^2/NDF: 3571054.2/55

All: 1869.249+/-0.154 χ^2/NDF: 7593597.4/11

- sign 1847.375+/-0.215 χ^2/NDF: 4001372.0/58

diff_bpm0i01aX_mean vs Slug



Right In: 38.064+/-0.367 χ^2/NDF: 1503.1/30

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 0.146+/-0.347 χ^2/NDF: 7170.7/35

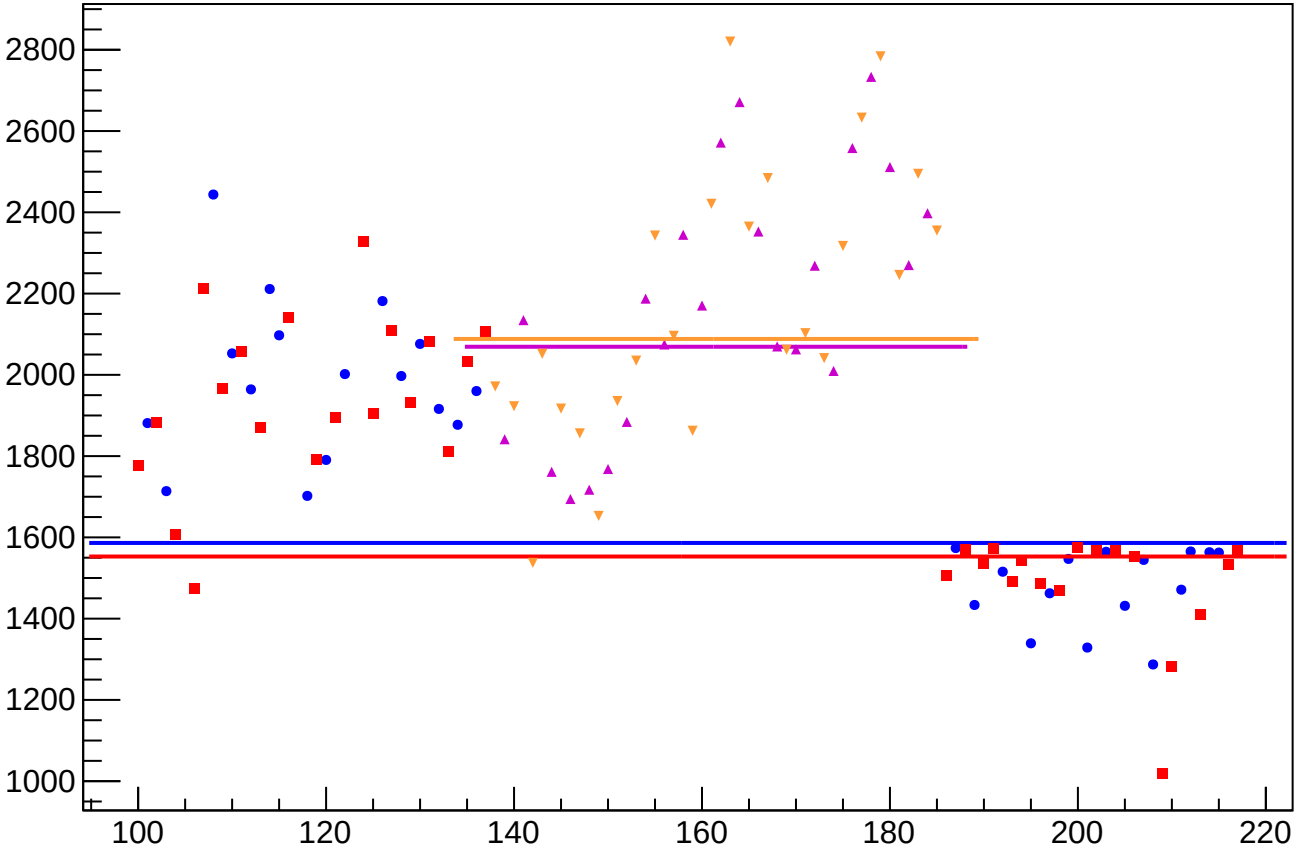
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 25.344+/-0.292 χ^2/NDF: 5085.3/55

All: 17.311+/-0.203 χ^2/NDF: 19267.0/114

\- sign 9.711+/-0.284 χ^2/NDF: 12704.3/58

diff_bpm0i01aX_rms vs Slug



Right In: 1586.311+/-0.259 χ^2/NDF: 833115.7/30

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1552.906+/-0.246 χ^2/NDF: 1176419.8/35

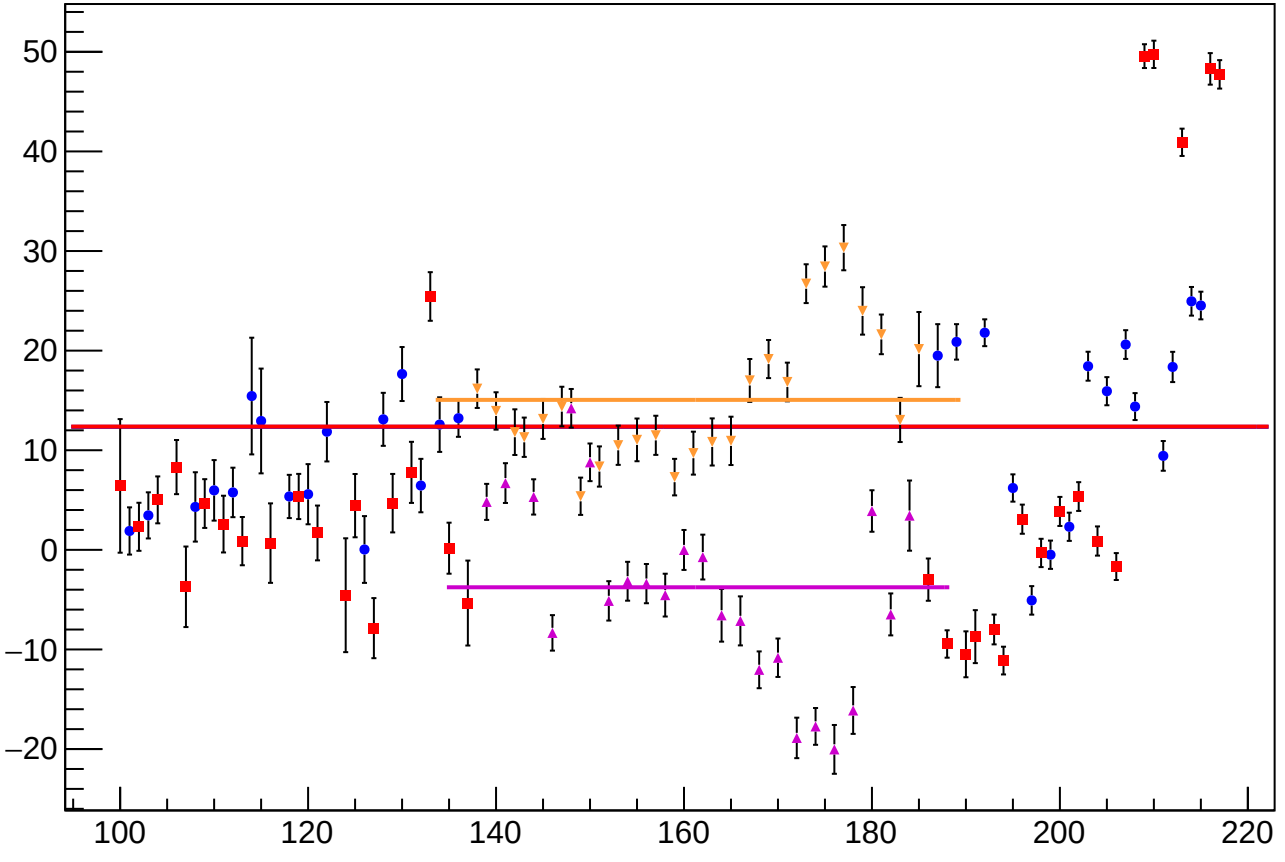
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1771.308+/-0.206 χ^2/NDF: 3000649.9/55

All: 1747.613+/-0.144 χ^2/NDF: 6387960.9/11

- sign 1725.195+/-0.201 χ^2/NDF: 3361601.0/58

diff_bpm0i01aY_mean vs Slug



Right In: 12.351+/-0.333 χ^2/NDF: 698.6/30

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 12.374+/-0.318 χ^2/NDF: 4814.4/35

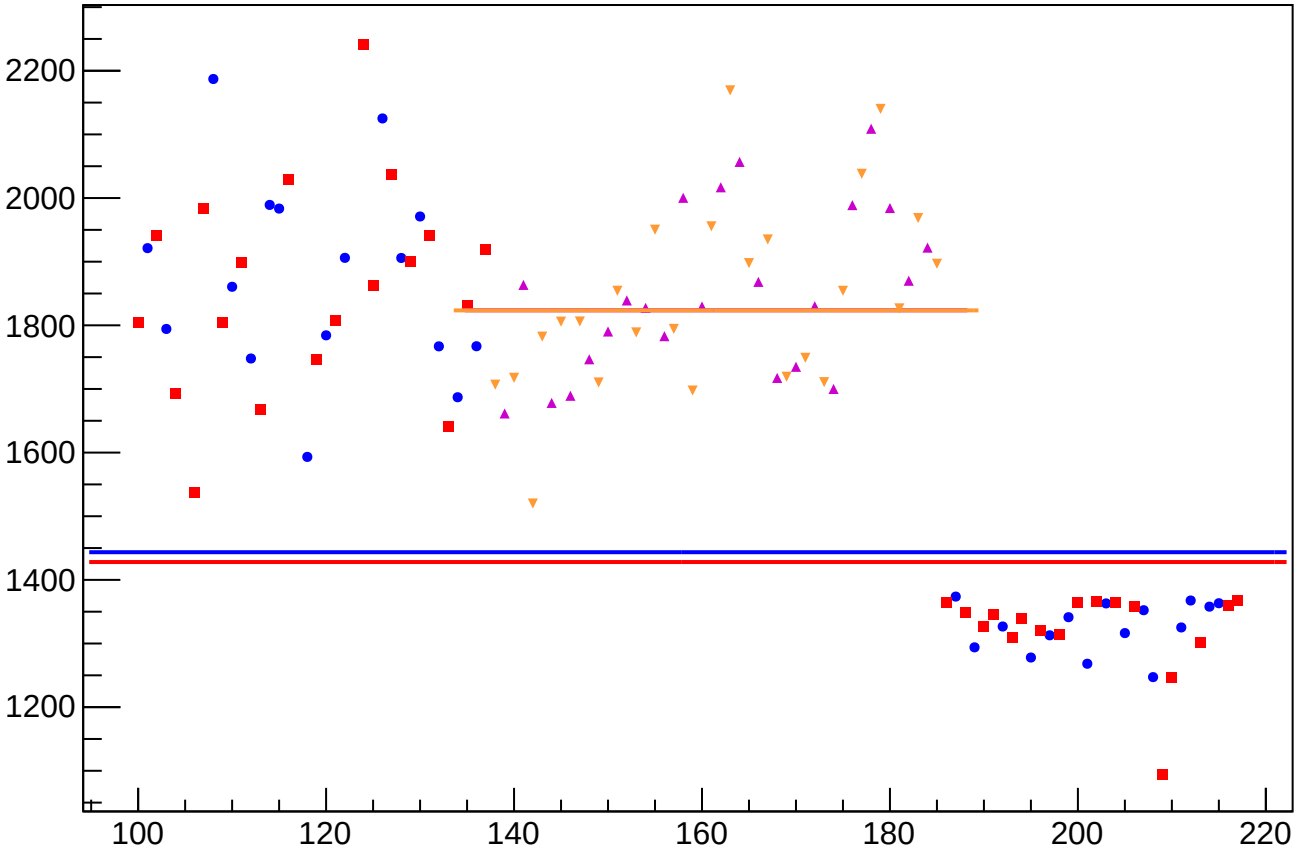
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.409+/-0.260 χ^2/NDF: 970.6/55

All: 9.958+/-0.182 χ^2/NDF: 7505.7/114

- sign 6.629+/-0.255 χ^2/NDF: 6188.9/58

diff_bpm0i01aY_rms vs Slug



Right In: 1443.472+/-0.236 χ^2/NDF: 951513.2/30

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1428.032+/-0.225 χ^2/NDF: 1056321.1/35

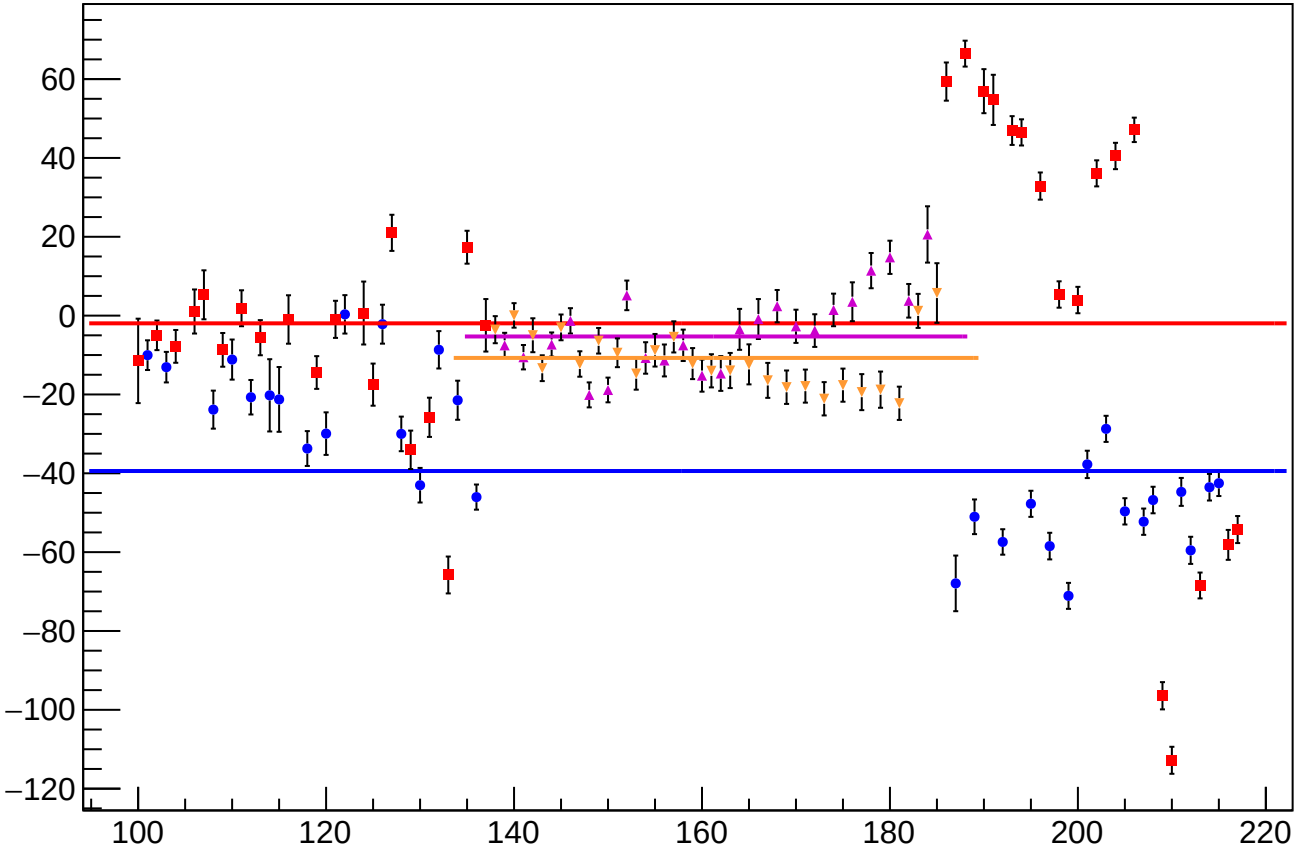
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1592.106+/-0.184 χ^2/NDF: 2180247.0/55

All: 1580.304+/-0.129 χ^2/NDF: 4509454.8/11

- sign 1568.922+/-0.181 χ^2/NDF: 2321111.3/58

diff_bpm0l01X_mean vs Slug



Right In: -39.419+/-0.710 χ^2/NDF: 632.1/30

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -1.959+/-0.689 χ^2/NDF: 4814.0/35

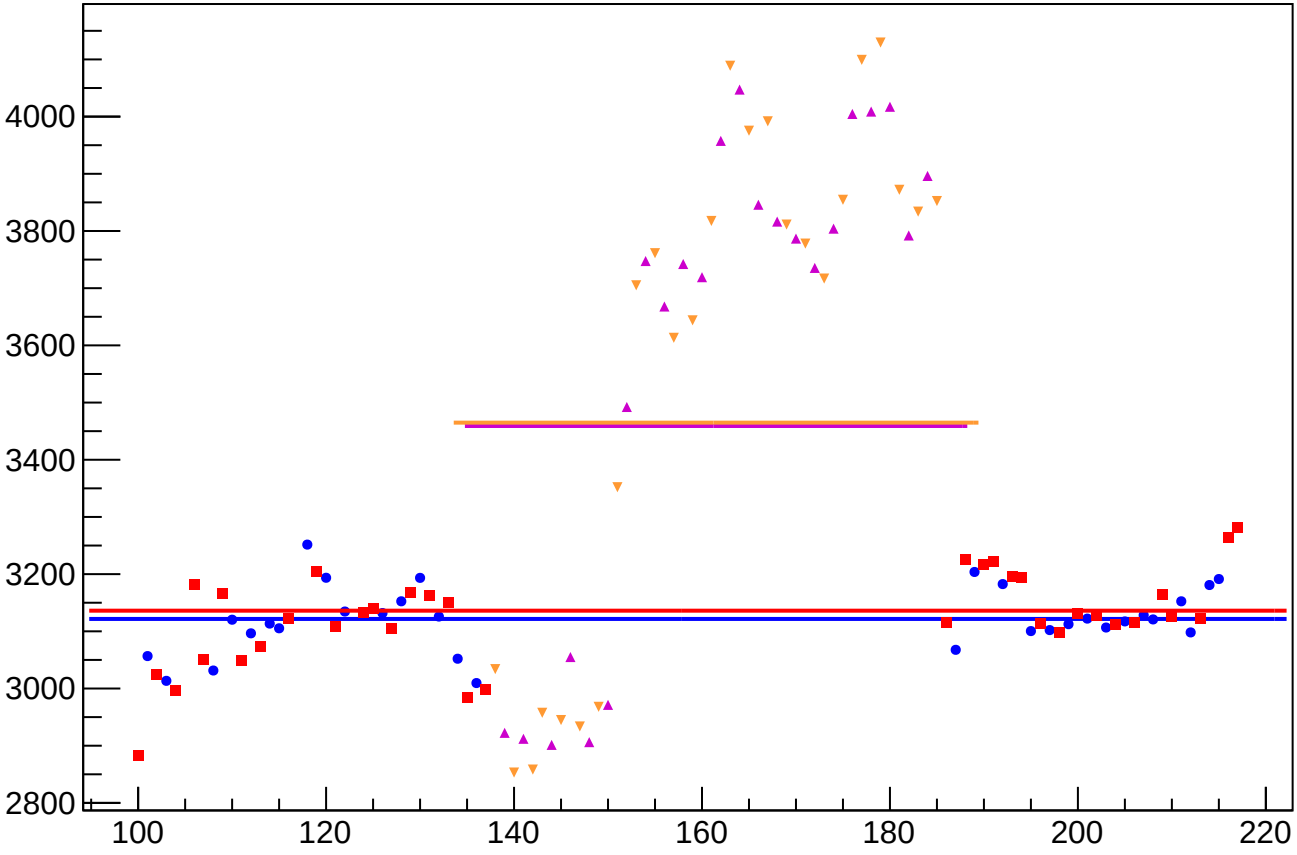
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -26.661+/-0.529 χ^2/NDF: 1431.0/55

All: -14.929+/-0.373 χ^2/NDF: 7364.3/114

- sign -3.349+/-0.526 χ^2/NDF: 4957.3/58

diff_bpm0l01X_rms vs Slug



Right In: 3121.658+/-0.502 χ^2/NDF: 12070.7/30

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3136.108+/-0.487 χ^2/NDF: 21362.9/35

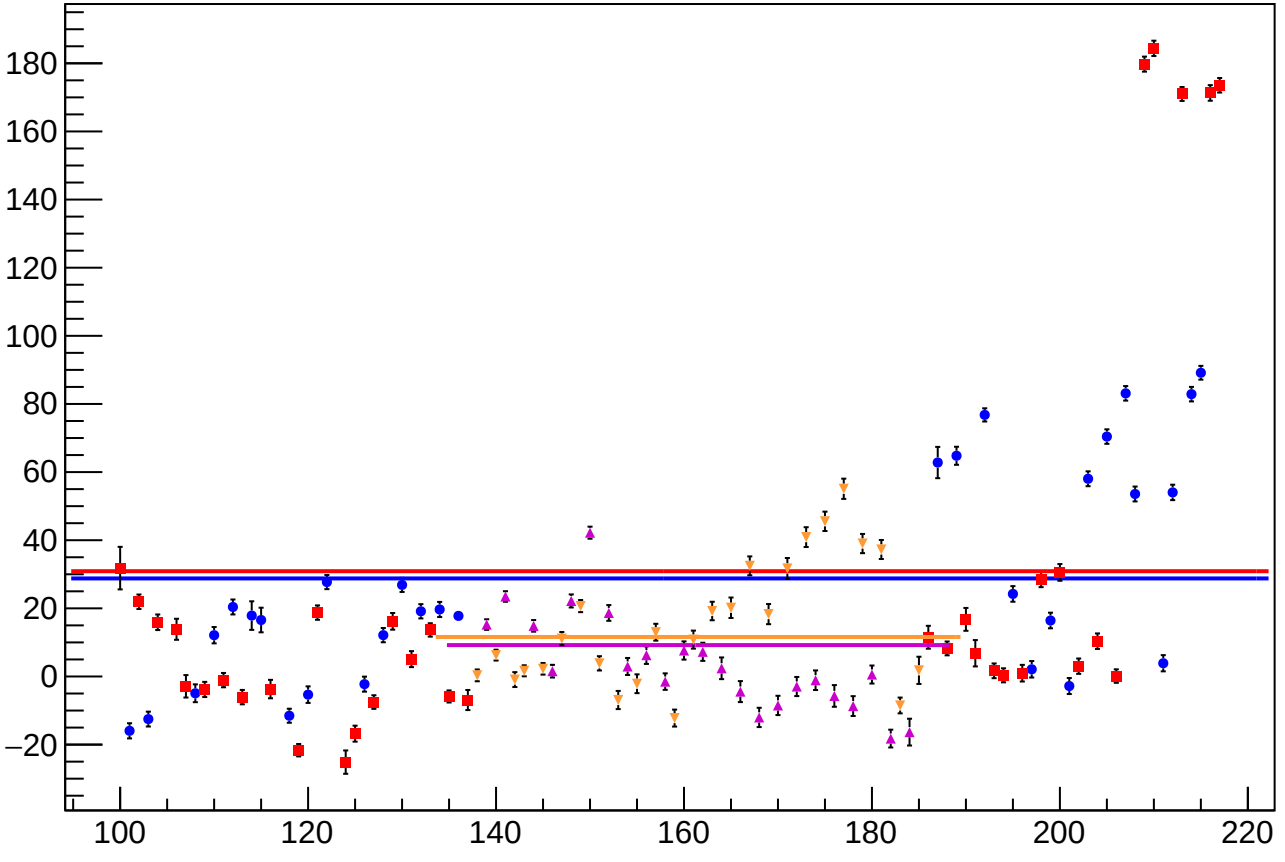
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

\+ sign 3274.318+/-0.374 χ^2/NDF: 863727.0/55

All: 3272.564+/-0.264 χ^2/NDF: 1651773.8/11

\- sign 3270.833+/-0.372 χ^2/NDF: 788003.1/58

diff_bpm0l01Y_mean vs Slug



Right In: 28.780+/-0.399 χ^2/NDF: 6256.6/30

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 30.906+/-0.388 χ^2/NDF: 27250.3/35

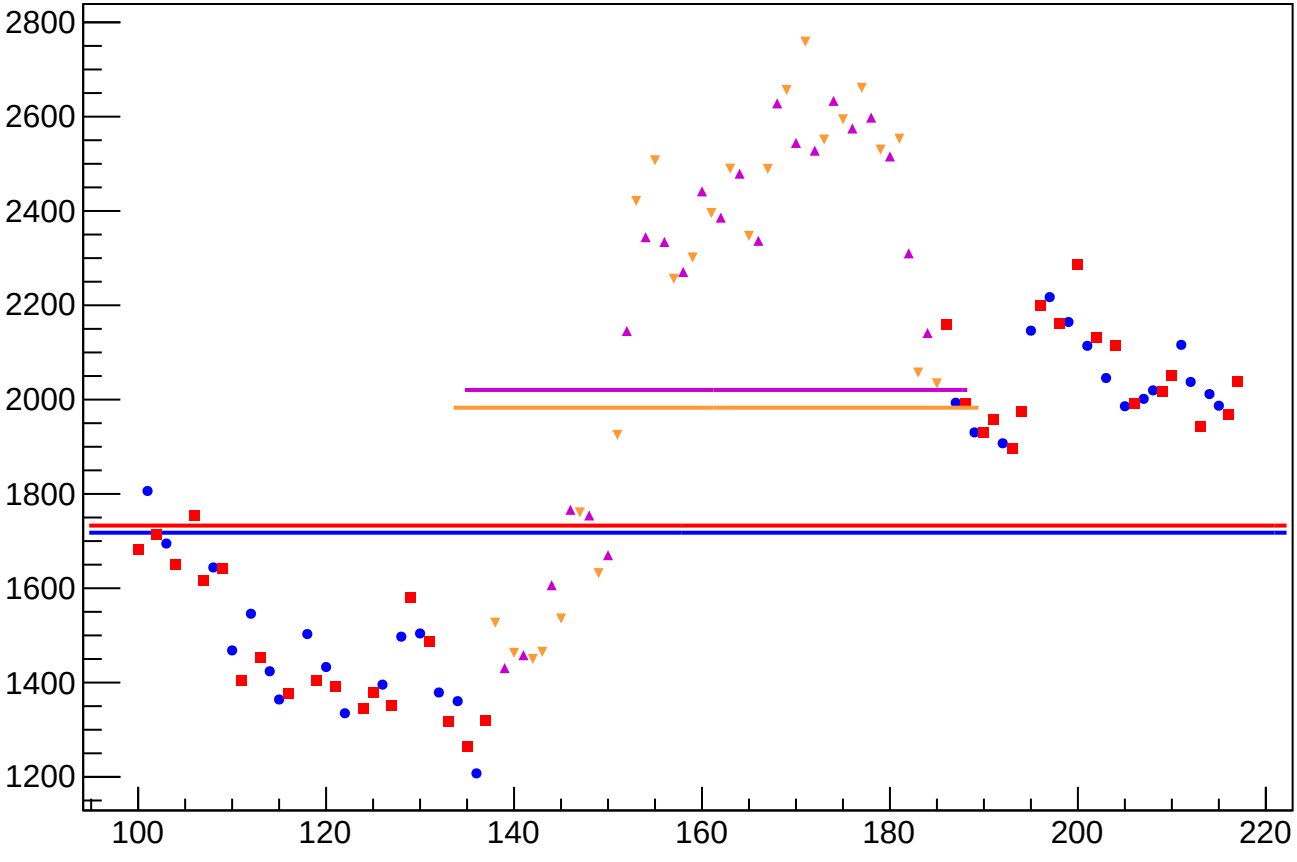
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 21.476+/-0.302 χ^2/NDF: 8243.8/55

All: 21.950+/-0.214 χ^2/NDF: 37664.0/114

\- sign 22.425+/-0.303 χ^2/NDF: 29415.4/58

diff_bpm0l01Y_rms vs Slug



Right In: 1717.810+/-0.282 χ^2/NDF: 1337871.7/30

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

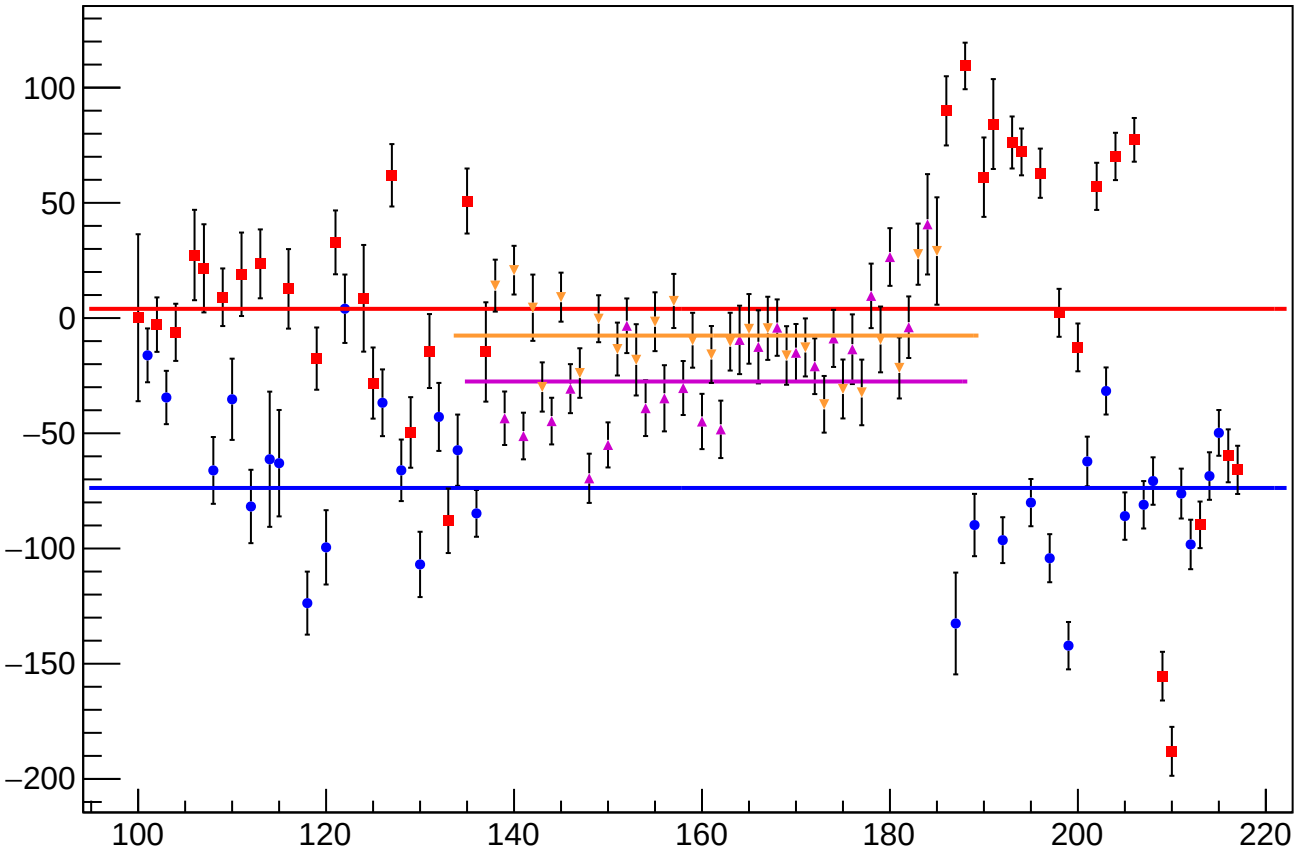
Right Out: 1732.877+/-0.274 χ^2/NDF: 1356060.4/35

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1830.498+/-0.214 χ^2/NDF: 3691673.5/55

All: 1837.897+/-0.151 χ^2/NDF: 7095233.1/11

- sign 1845.313+/-0.214 χ^2/NDF: 3401158.6/58



Right In: -73.727+/-2.201 χ^2/NDF: 202.2/30

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 4.004+/-2.136 χ^2/NDF: 1237.0/35

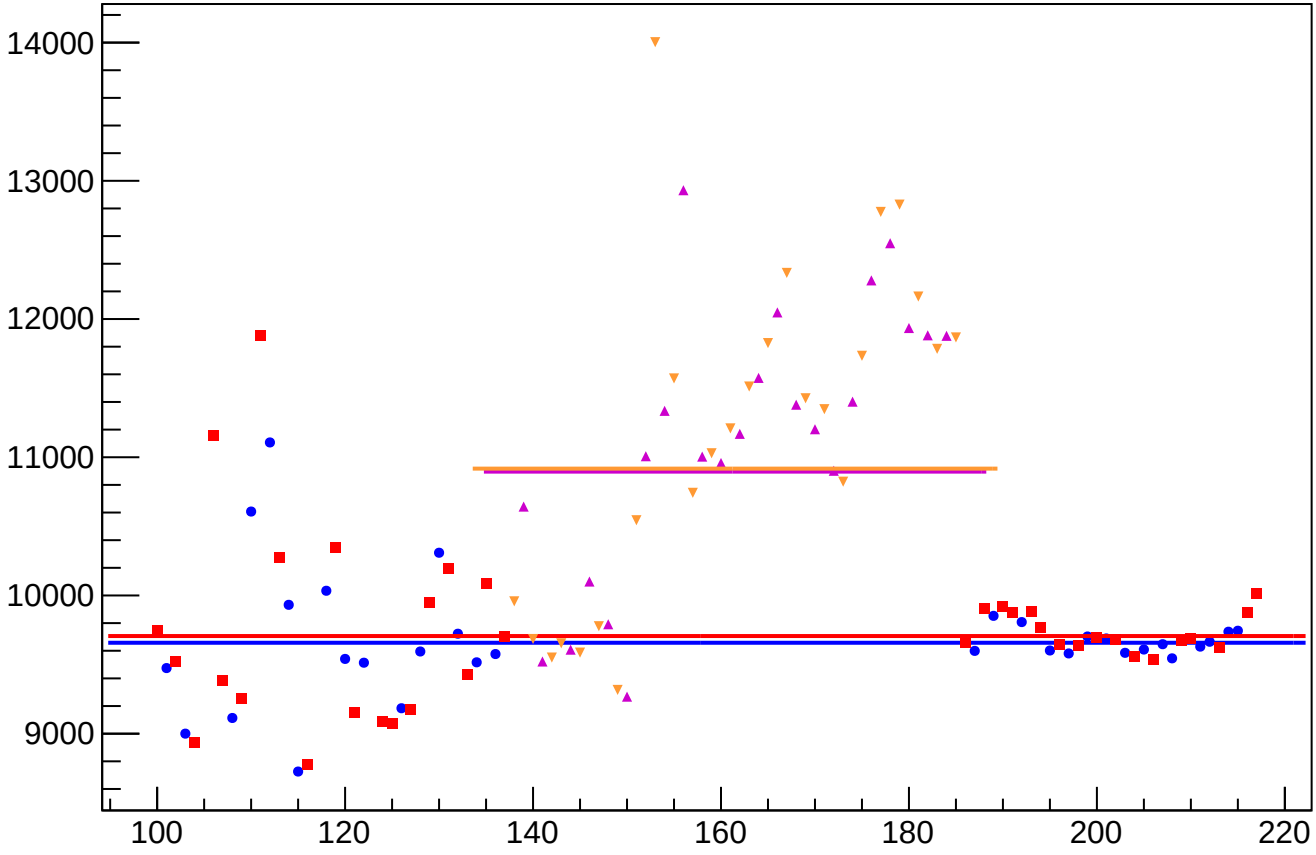
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -44.782+/-1.651 χ^2/NDF: 645.1/55

All: -26.743+/-1.163 χ^2/NDF: 2301.9/114

- sign -8.957+/-1.639 χ^2/NDF: 1419.6/58

diff_bpm0l02X_rms vs Slug



Right In: 9657.885+/-1.557 χ^2/NDF: 45911.8/30

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9706.423+/-1.510 χ^2/NDF: 85458.0/35

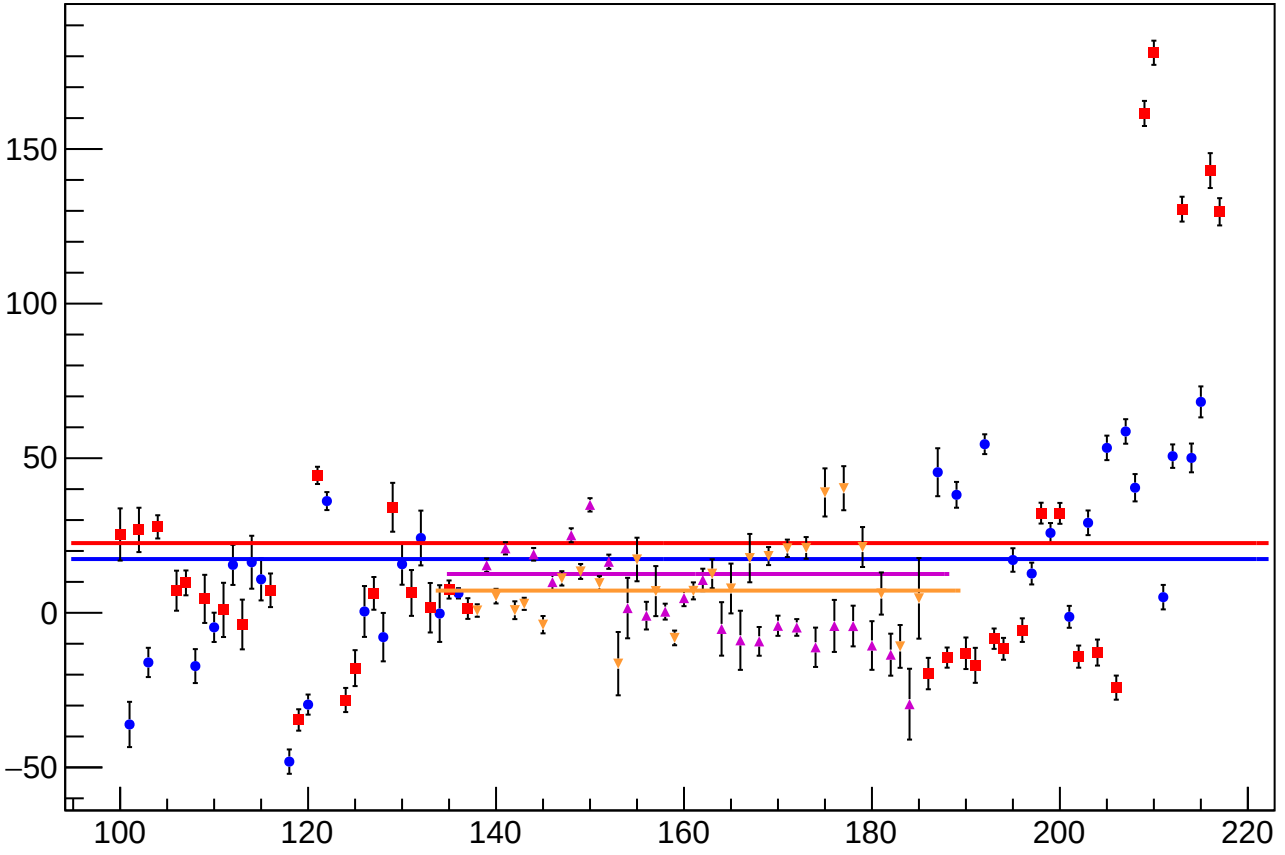
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10209.287+/-1.167 χ^2/NDF: 758486.3/55

All: 10202.296+/-0.822 χ^2/NDF: 1397109.4/1

\- sign 10195.404+/-1.159 χ^2/NDF: 638551.9/58

diff_bpm0l02Y_mean vs Slug



Right In: 17.387+/-0.731 χ^2/NDF: 1431.1/30

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 22.547+/-0.715 χ^2/NDF: 6144.3/35

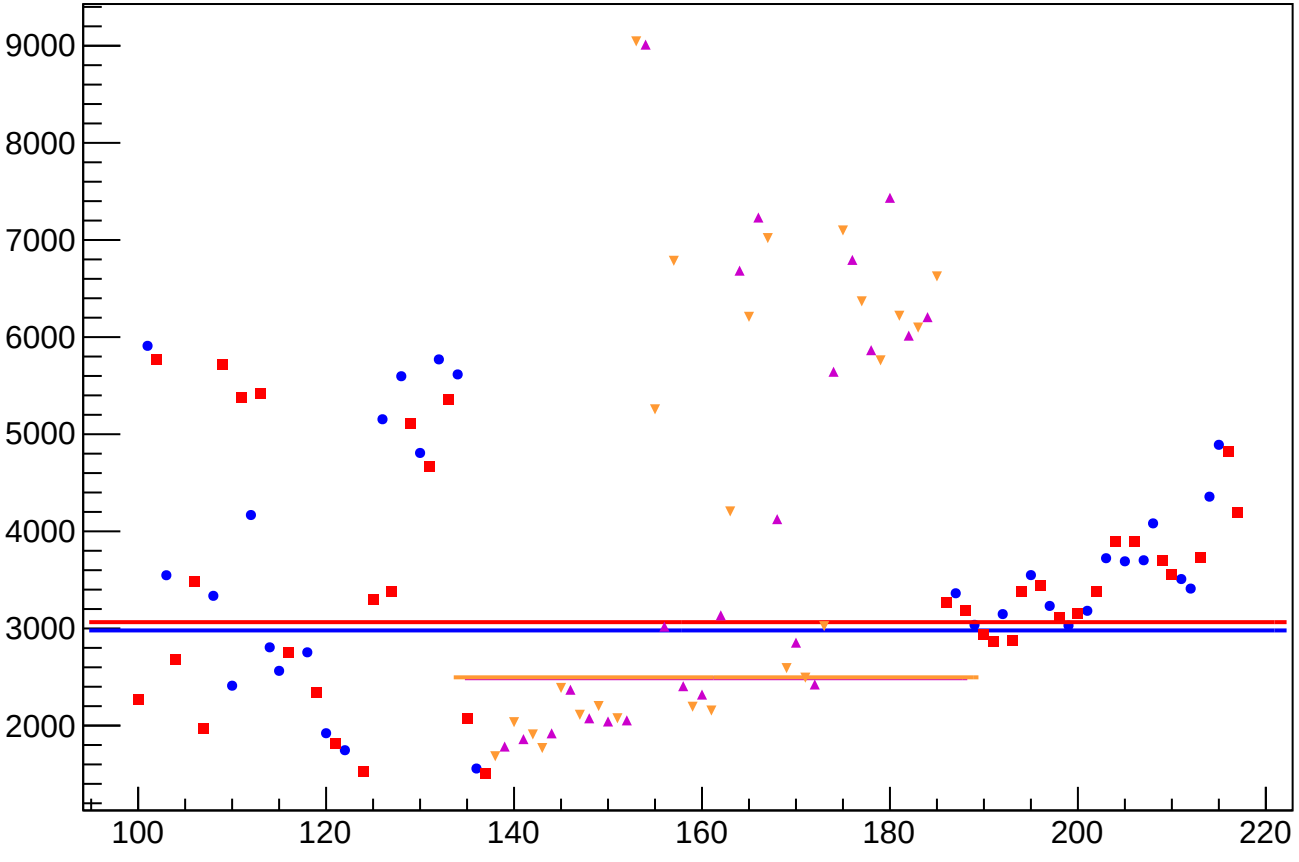
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 11.720+/-0.487 χ^2/NDF: 1741.1/55

All: 14.450+/-0.344 χ^2/NDF: 8425.5/114

- sign 17.157+/-0.485 χ^2/NDF: 6621.8/58

diff_bpm0l02Y_rms vs Slug



Right In: 2979.689+/-0.517 χ^2/NDF: 4298046.8/30

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3065.029+/-0.505 χ^2/NDF: 3591791.7/35

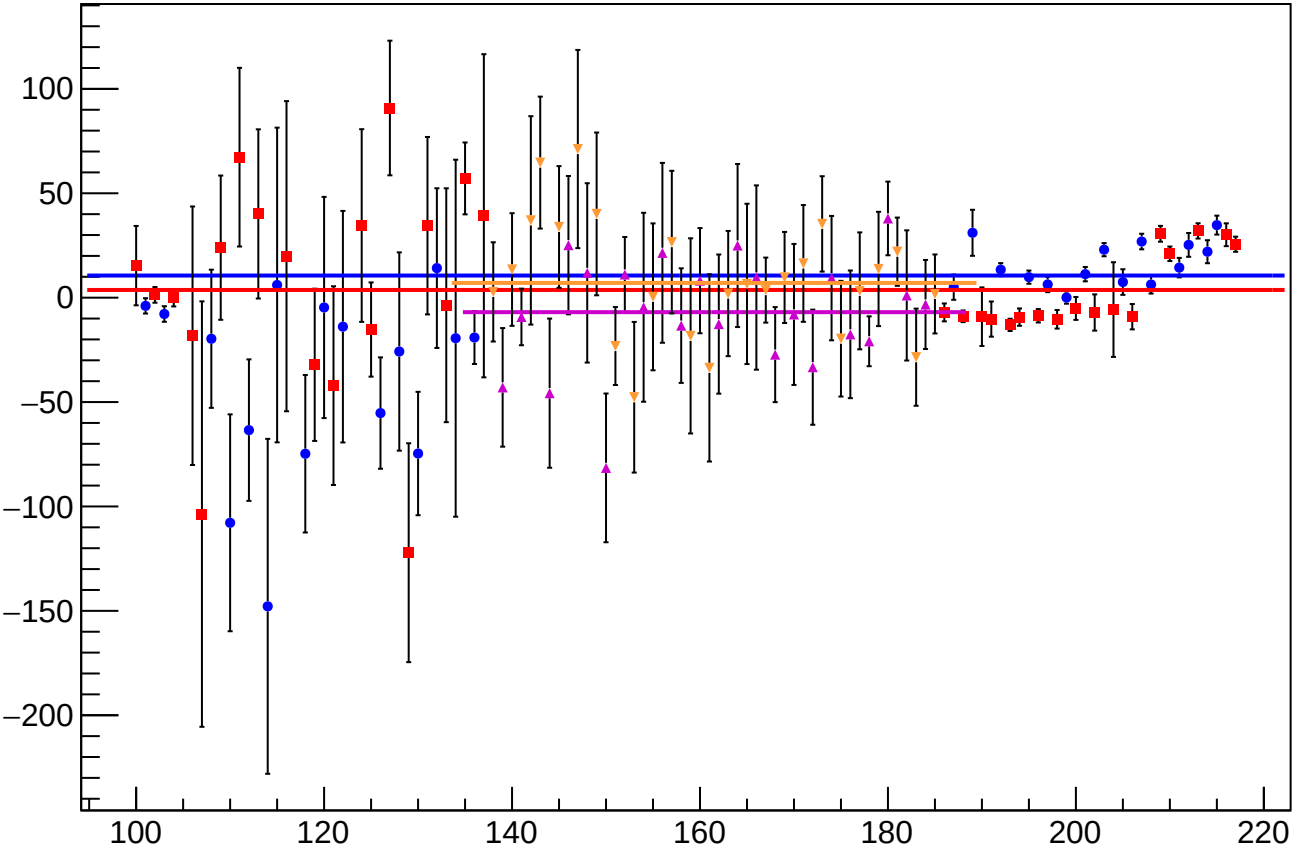
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2711.464+/-0.344 χ^2/NDF: 11989139.0/55

All: 2732.667+/-0.243 χ^2/NDF: 22395799.7/1

- sign 2753.690+/-0.343 χ^2/NDF: 10399115.3/58

diff_bpm0l03X_mean vs Slug



Right In: 10.601+/-0.961 χ^2/NDF: 175.8/30

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.695+/-0.963 χ^2/NDF: 333.9/35

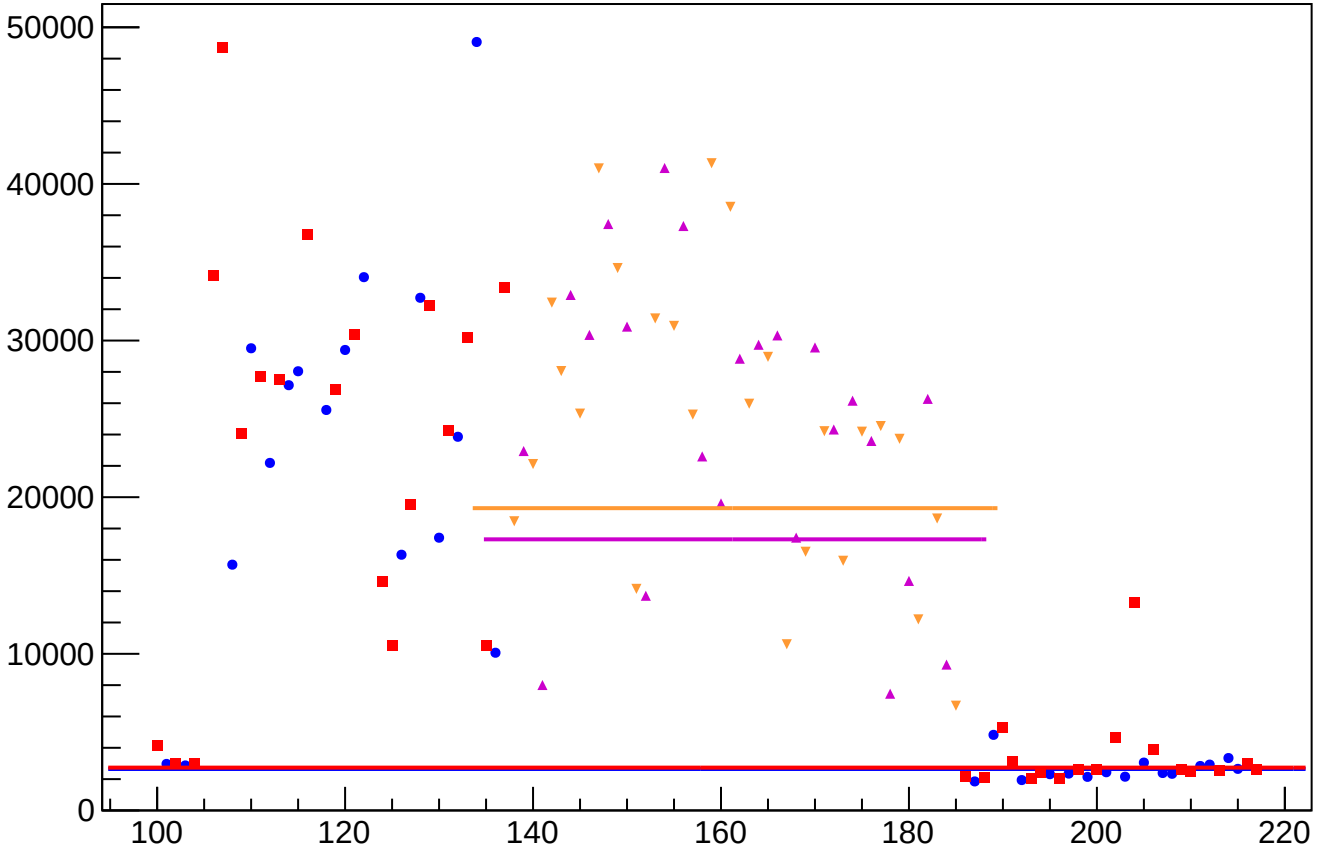
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

\+ sign 10.485+/-0.945 χ^2/NDF: 195.8/55

All: 6.910+/-0.669 χ^2/NDF: 583.7/114

\- sign 3.328+/-0.946 χ^2/NDF: 359.2/58

diff_bpm0l03X_rms vs Slug



Right In: 2648.032+/-0.679 χ^2/NDF: 7988563.8/30

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2734.488+/-0.681 χ^2/NDF: 9432093.1/35

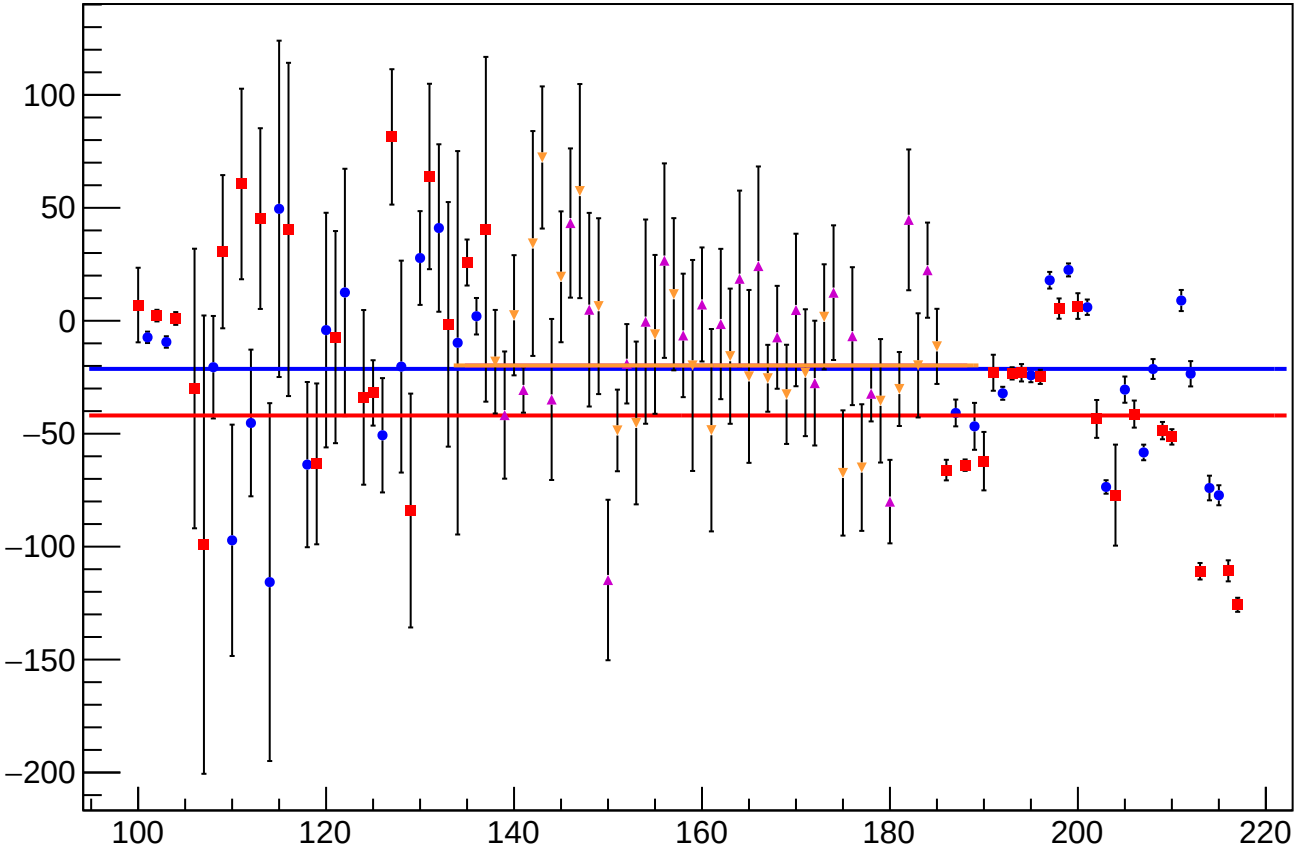
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3192.176+/-0.668 χ^2/NDF: 32655157.0/55

All: 3214.930+/-0.473 χ^2/NDF: 64638198.9/1

- sign 3237.729+/-0.669 χ^2/NDF: 31980720.5/58

diff_bpm0l03Y_mean vs Slug



Right In: -21.305+/-0.870 χ^2/NDF: 1236.7/30

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -41.929+/-0.865 χ^2/NDF: 2331.8/35

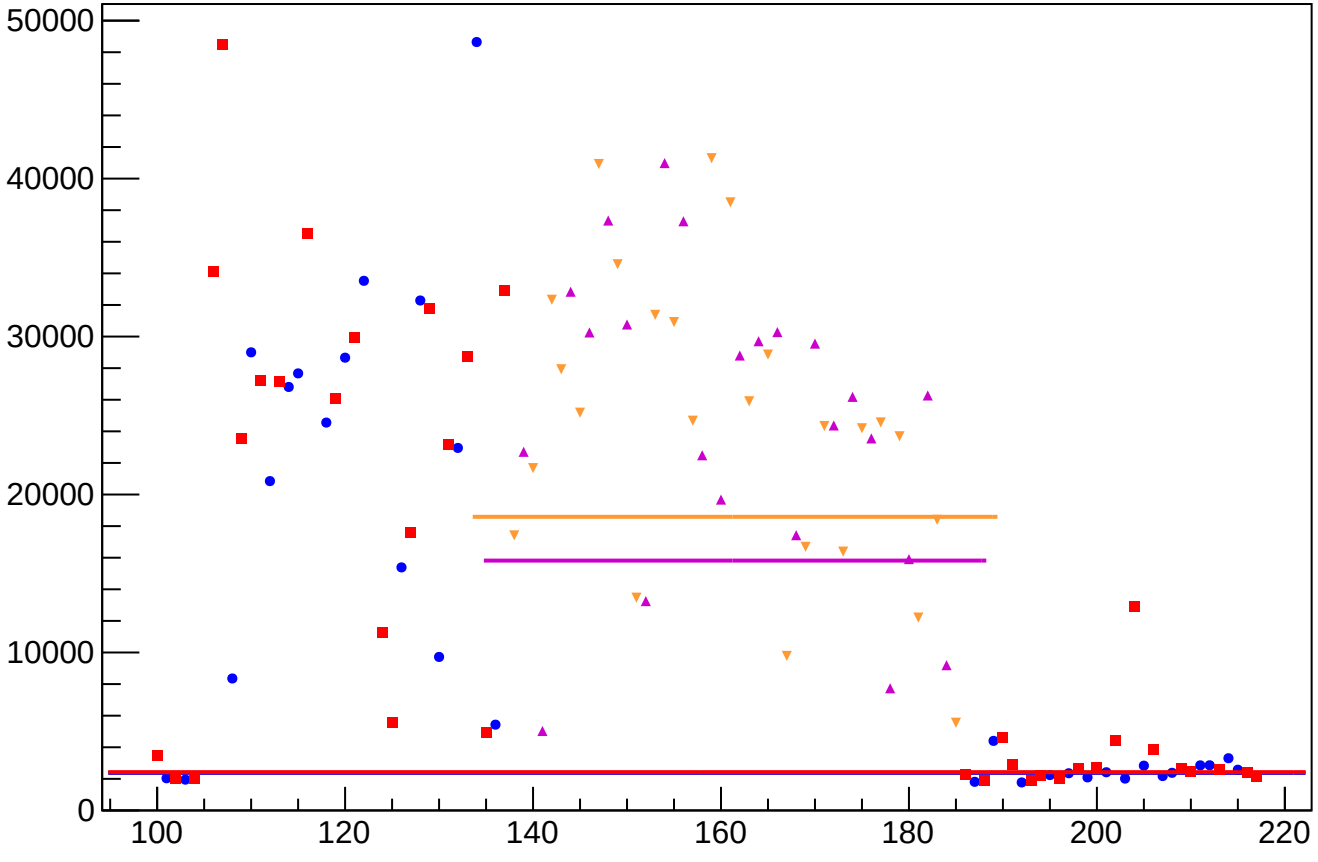
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -21.261+/-0.857 χ^2/NDF: 1264.6/55

All: -31.318+/-0.604 χ^2/NDF: 3930.3/114

- sign -41.246+/-0.852 χ^2/NDF: 2392.2/58

diff_bpm0l03Y_rms vs Slug



Right In: 2379.268+/-0.615 χ^2/NDF: 7174799.3/30

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2424.040+/-0.612 χ^2/NDF: 9032653.6/35

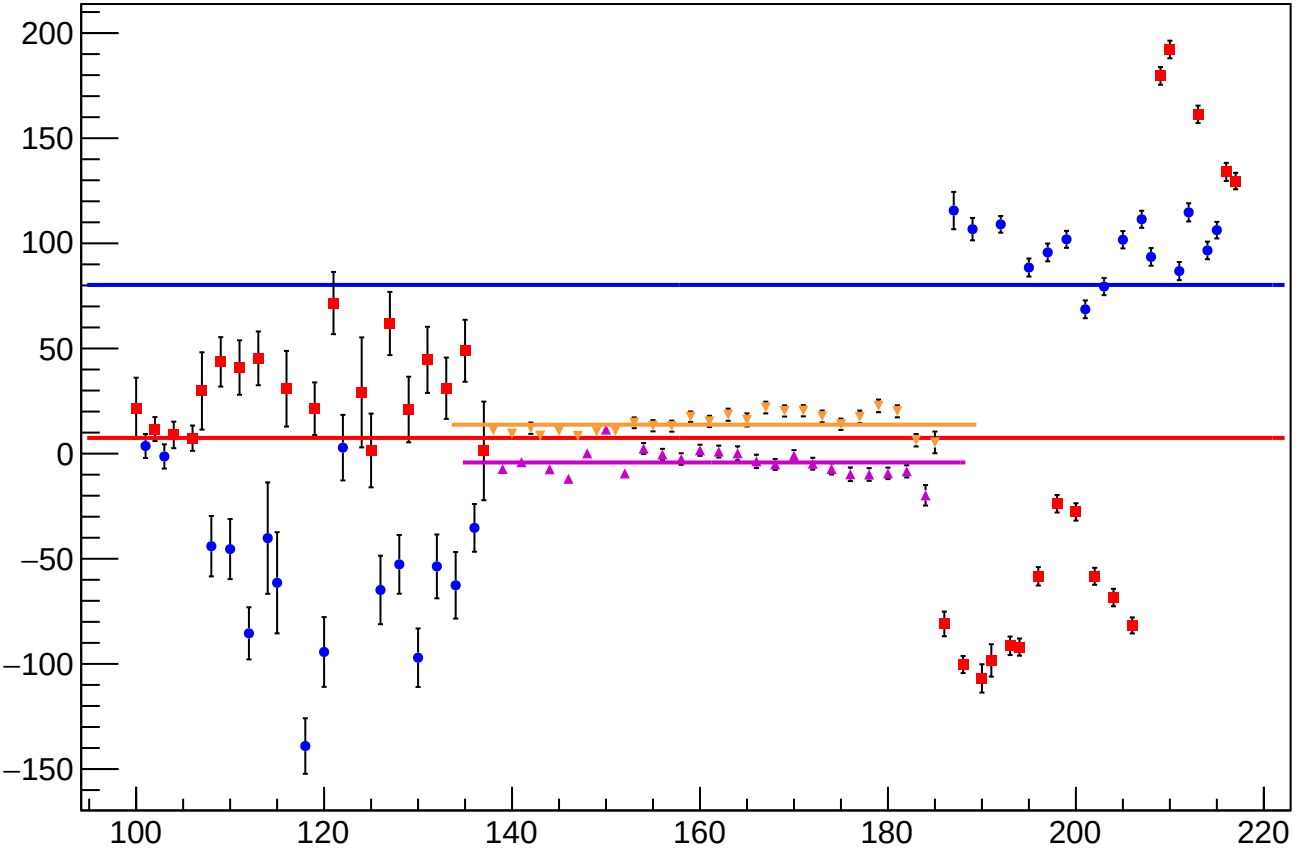
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2834.277+/-0.606 χ^2/NDF: 32382769.7/55

All: 2836.119+/-0.427 χ^2/NDF: 64630456.6/1

- sign 2837.937+/-0.602 χ^2/NDF: 32247668.6/58

diff_bpm0l04X_mean vs Slug



Right In: 80.227+/-1.038 χ^2/NDF: 2141.1/30

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 7.465+/-0.981 χ^2/NDF: 10930.7/35

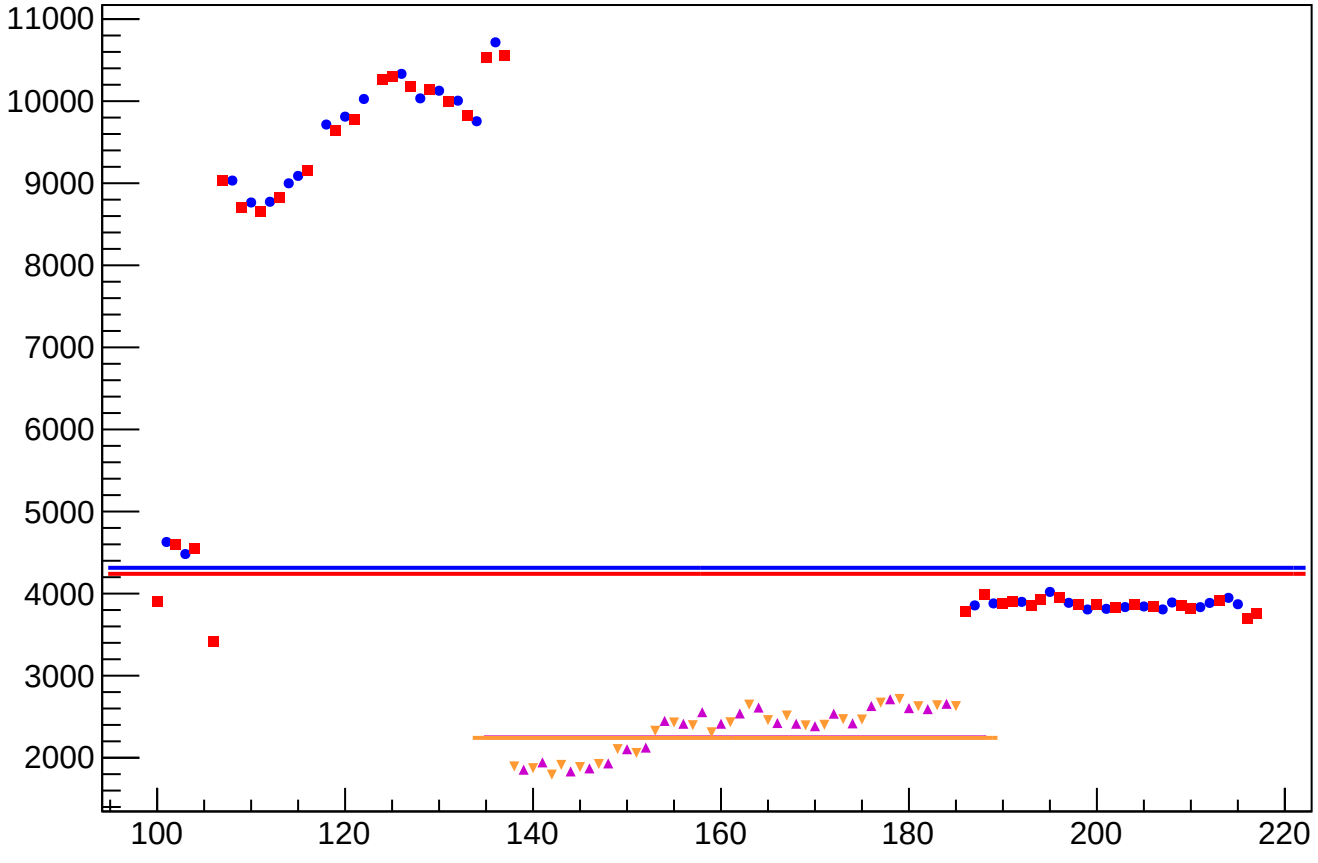
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 26.850+/-0.461 χ^2/NDF: 5511.0/55

All: 12.817+/-0.328 χ^2/NDF: 18554.5/114

- sign -1.564+/-0.466 χ^2/NDF: 11164.2/58

diff_bpm0l04X_rms vs Slug



Right In: 4314.281+/-0.734 χ^2/NDF: 4070185.0/30

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4240.790+/-0.693 χ^2/NDF: 4049703.1/35

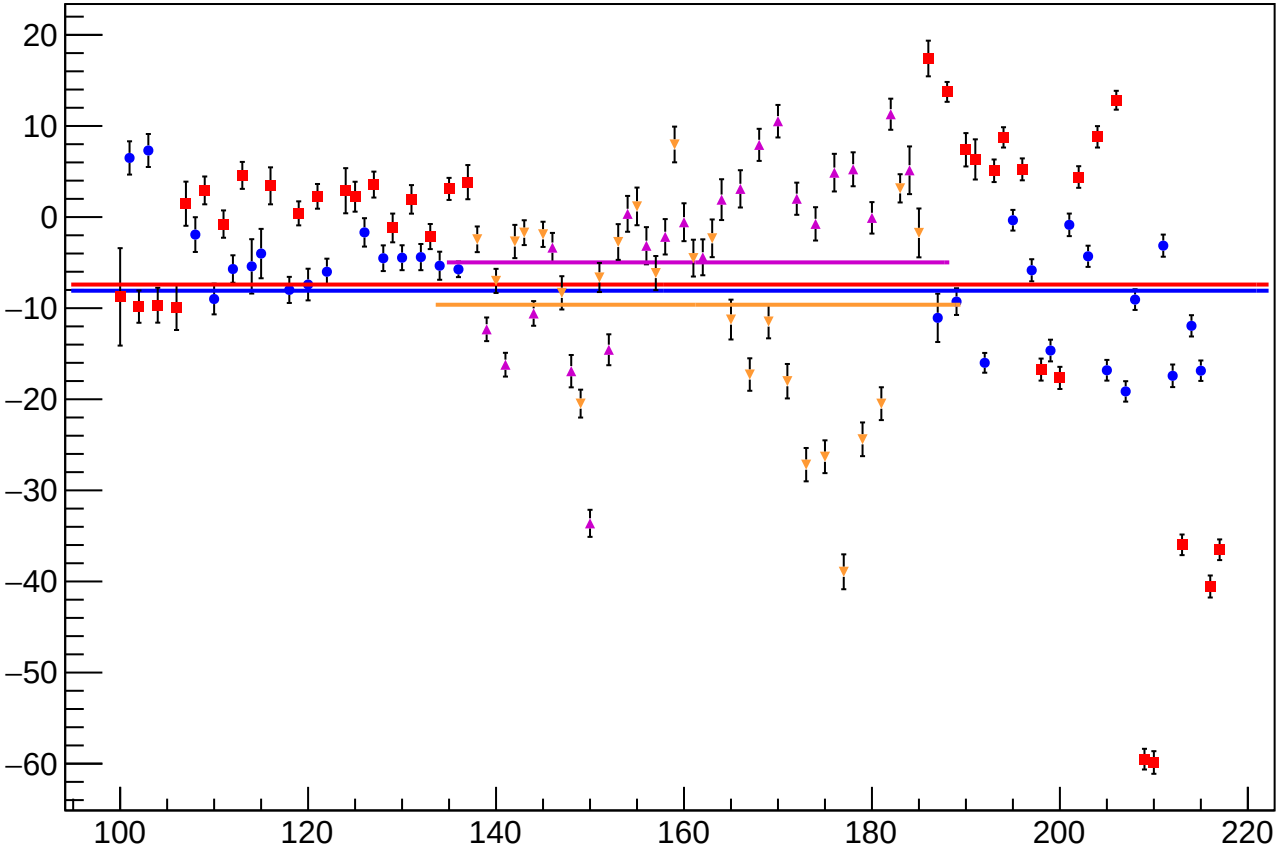
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2650.346+/-0.326 χ^2/NDF: 11127567.1/55

All: 2674.399+/-0.232 χ^2/NDF: 22218604.9/1

- sign 2699.049+/-0.330 χ^2/NDF: 11079995.5/58

diff_bpm0l04Y_mean vs Slug



Right In: -8.084+/-0.242 χ^2/NDF: 684.2/30

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

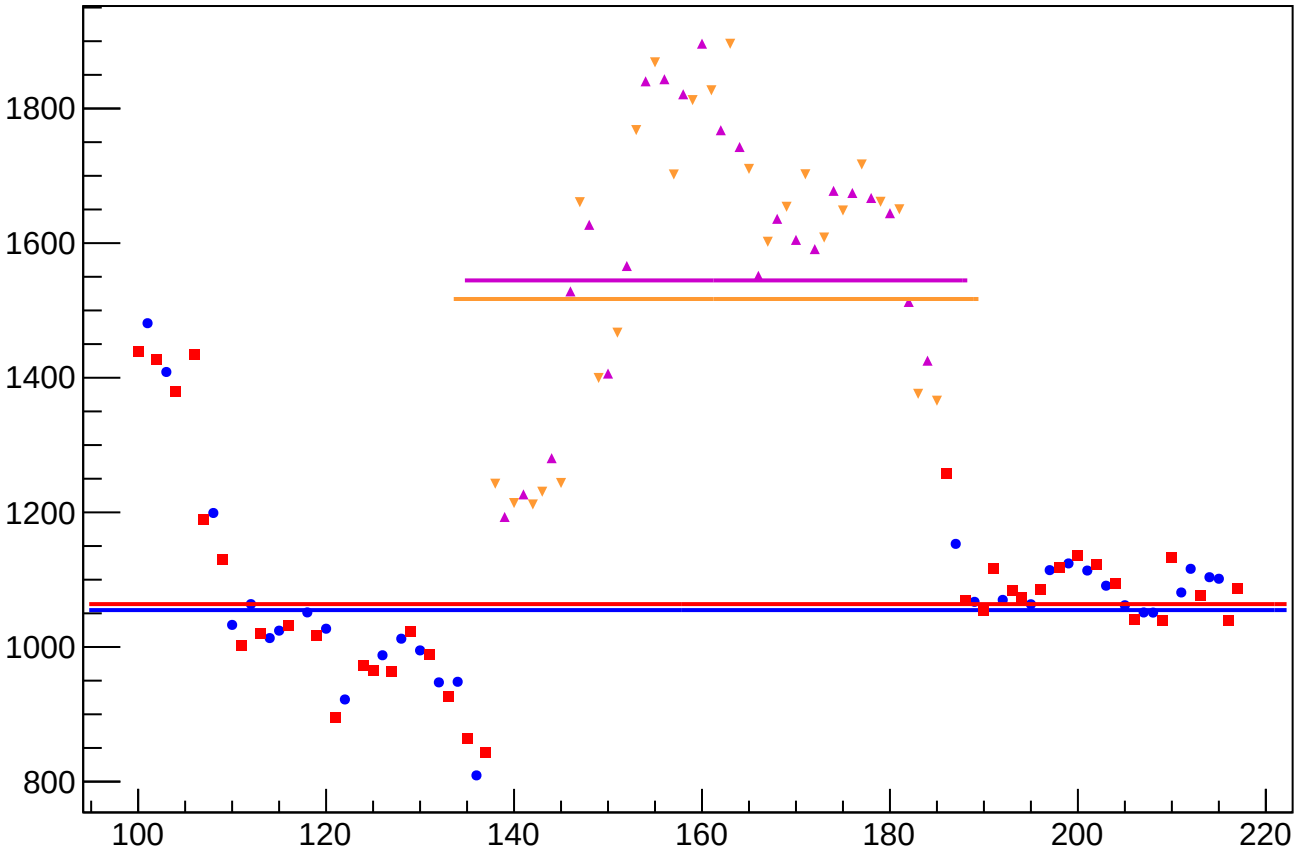
Right Out: -7.407+/-0.235 χ^2/NDF: 8351.5/35

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.582+/-0.199 χ^2/NDF: 1631.7/55

All: -7.632+/-0.140 χ^2/NDF: 10989.8/114

- sign -6.693+/-0.197 χ^2/NDF: 9312.7/58



Right In: 1054.817+/-0.171 χ^2/NDF: 443380.2/30

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1063.714+/-0.166 χ^2/NDF: 415954.4/35

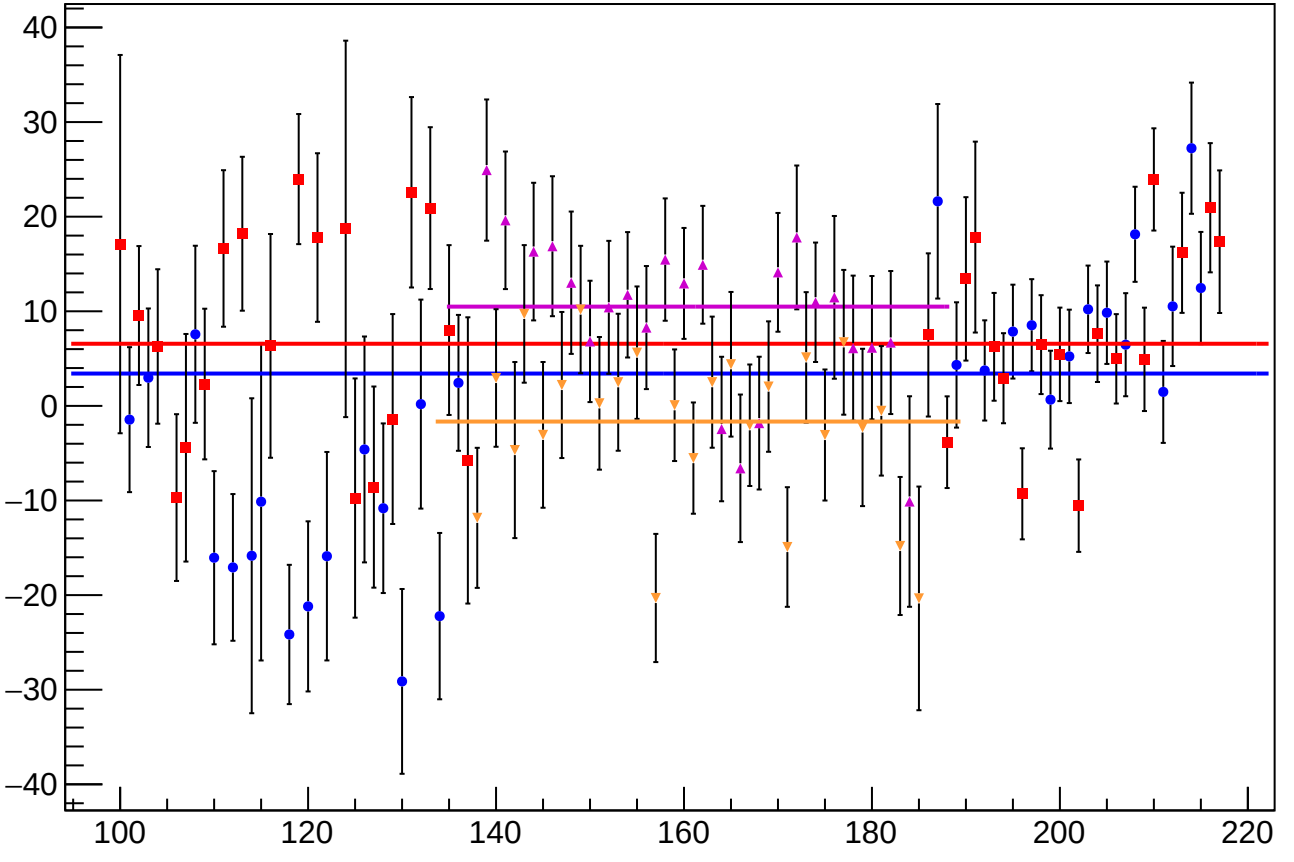
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1204.440+/-0.140 χ^2/NDF: 3647125.3/55

All: 1204.614+/-0.099 χ^2/NDF: 7160353.6/11

- sign 1204.786+/-0.140 χ^2/NDF: 3513225.2/58

diff_bpm0l05X_mean vs Slug



Right In: 3.418+/-1.209 χ^2/NDF: 94.8/30

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

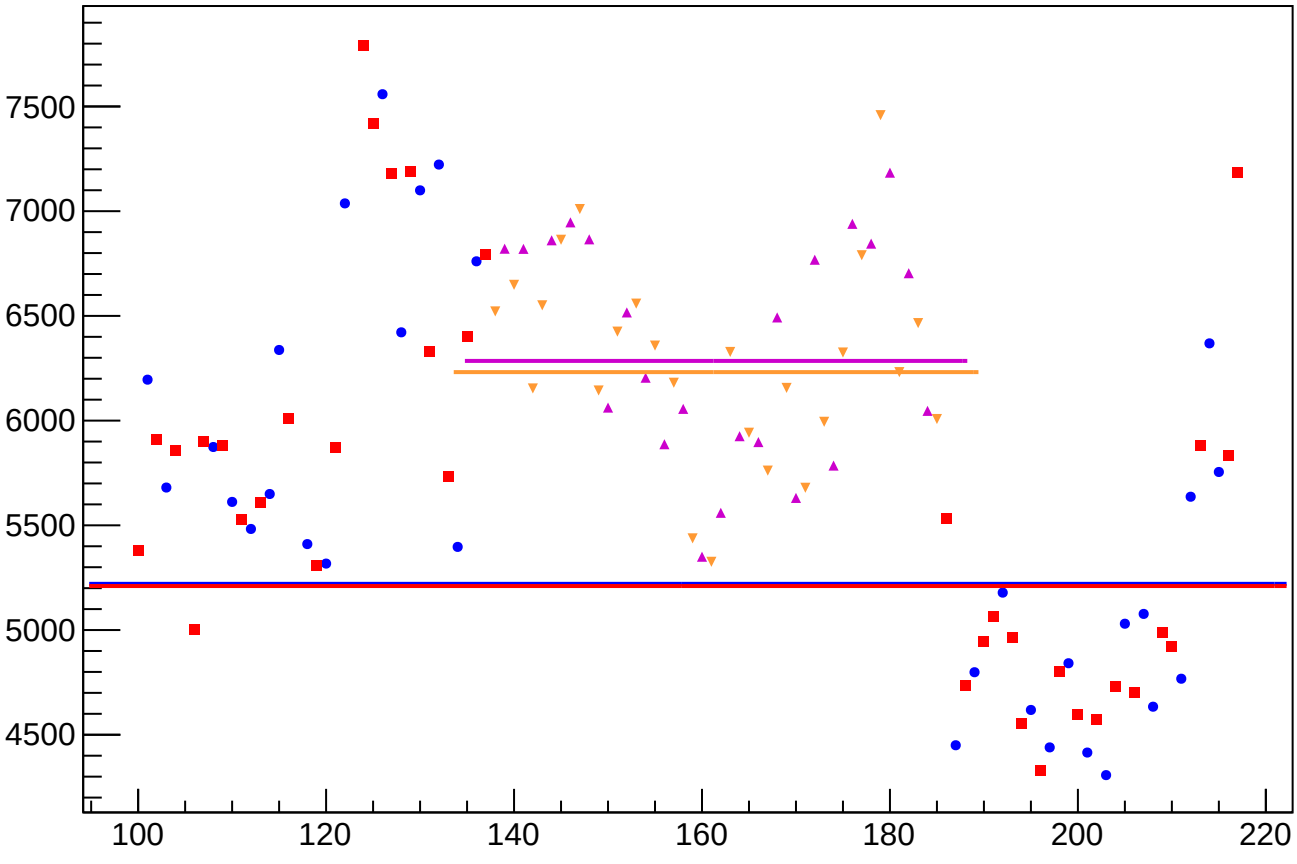
Right Out: 6.568+/-1.163 χ^2/NDF: 76.7/35

Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 1.298+/-0.922 χ^2/NDF: 133.7/55

All: 4.711+/-0.649 χ^2/NDF: 266.9/114

- sign 8.066+/-0.914 χ^2/NDF: 106.0/58



Right In: 5220.616+/-0.855 χ^2/NDF: 834661.2/30

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5210.109+/-0.822 χ^2/NDF: 834324.8/35

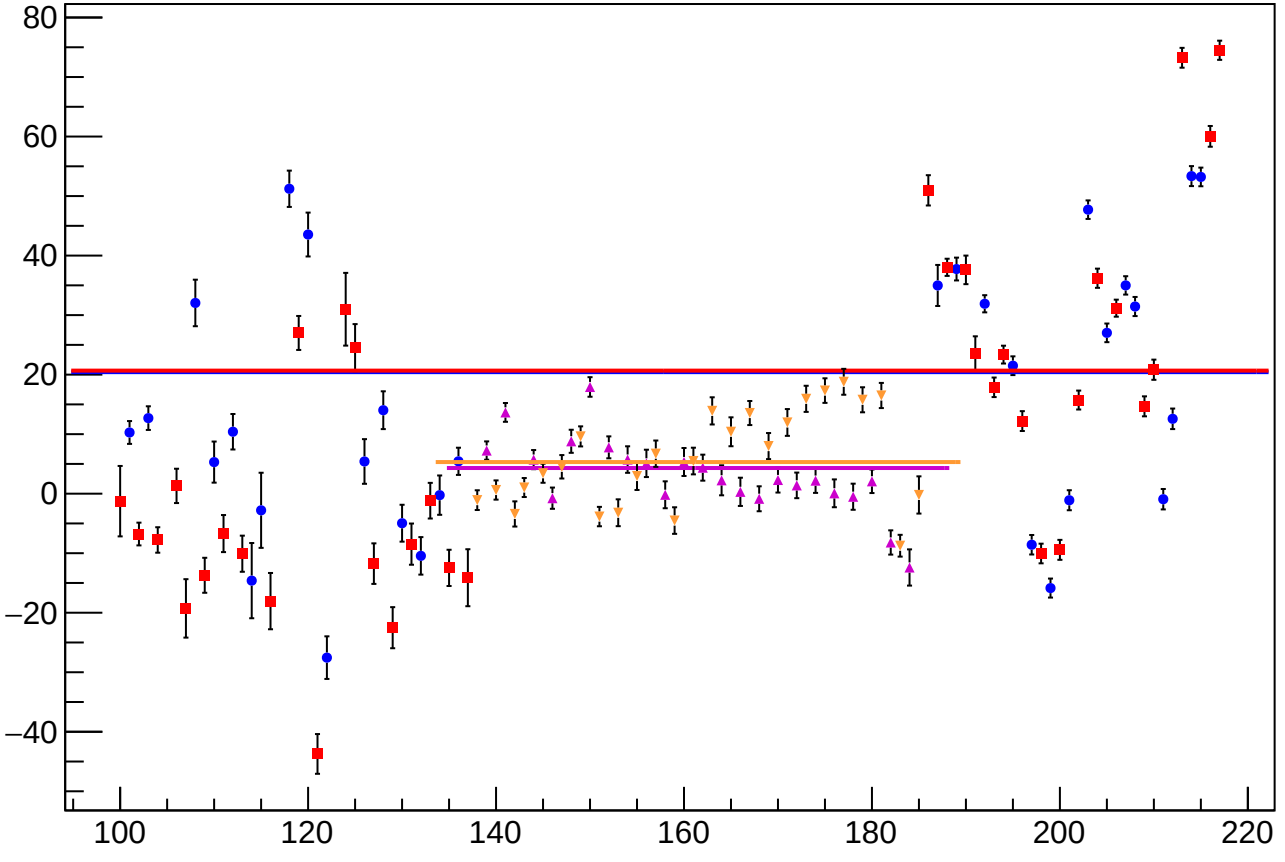
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5643.169+/-0.652 χ^2/NDF: 1646437.0/55

All: 5631.673+/-0.459 χ^2/NDF: 3399384.8/11

- sign 5620.374+/-0.646 χ^2/NDF: 1752331.4/58

diff_bpm0l05Y_mean vs Slug



Right In: 20.419+/-0.373 χ^2/NDF: 3329.0/30

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 20.674+/-0.359 χ^2/NDF: 5643.9/35

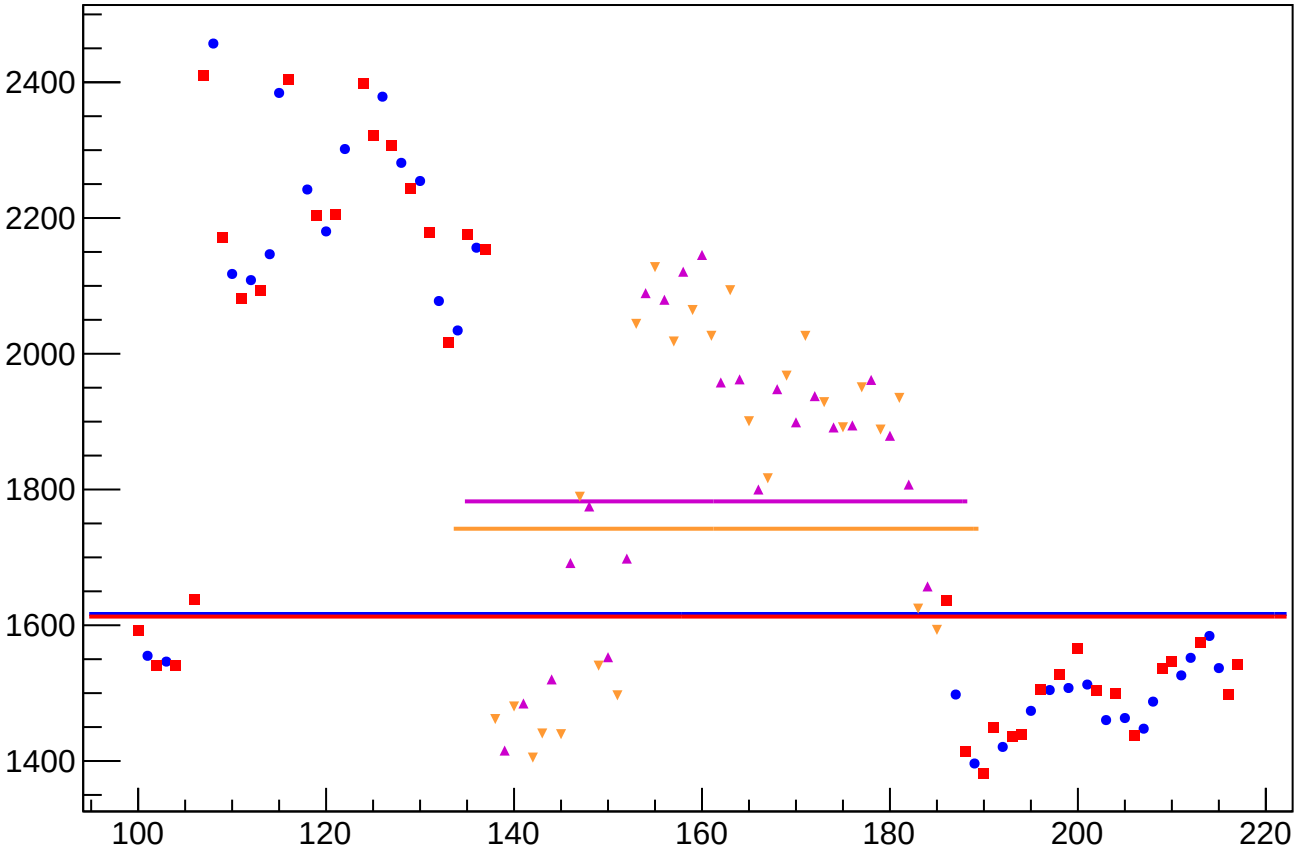
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 13.395+/-0.273 χ^2/NDF: 4468.9/55

All: 13.579+/-0.193 χ^2/NDF: 11210.8/114

\- sign 13.764+/-0.273 χ^2/NDF: 6741.0/58

diff_bpm0l05Y_rms vs Slug



Right In: 1616.596+/-0.264 χ^2/NDF: 1081734.8/30

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1612.782+/-0.254 χ^2/NDF: 1059997.8/35

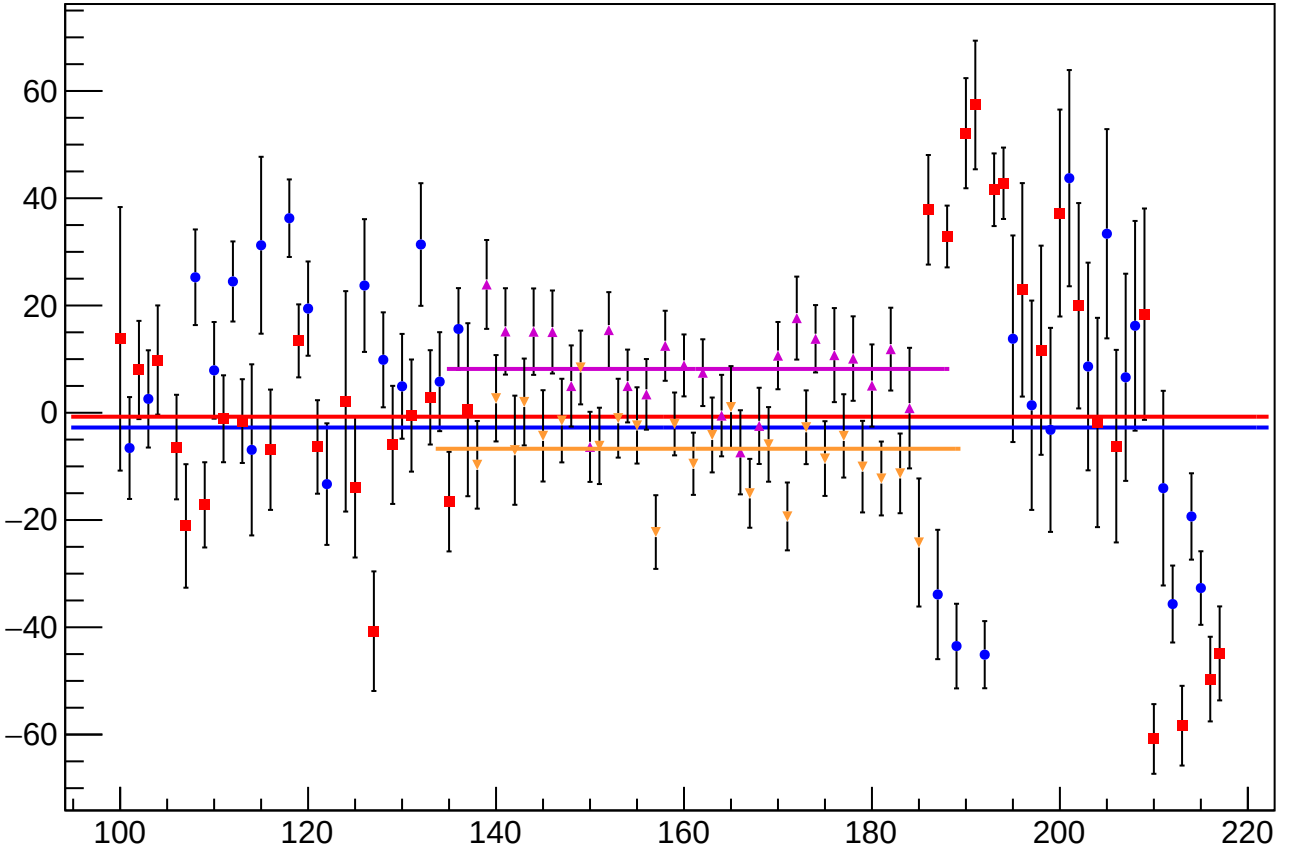
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1675.006+/-0.193 χ^2/NDF: 1954752.6/55

All: 1679.729+/-0.136 χ^2/NDF: 3738921.6/11

- sign 1684.452+/-0.193 χ^2/NDF: 1782971.6/58

diff_bpm0l06X_mean vs Slug



Right In: -2.750+/-1.800 χ^2/NDF: 223.5/30

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -0.736+/-1.614 χ^2/NDF: 429.7/35

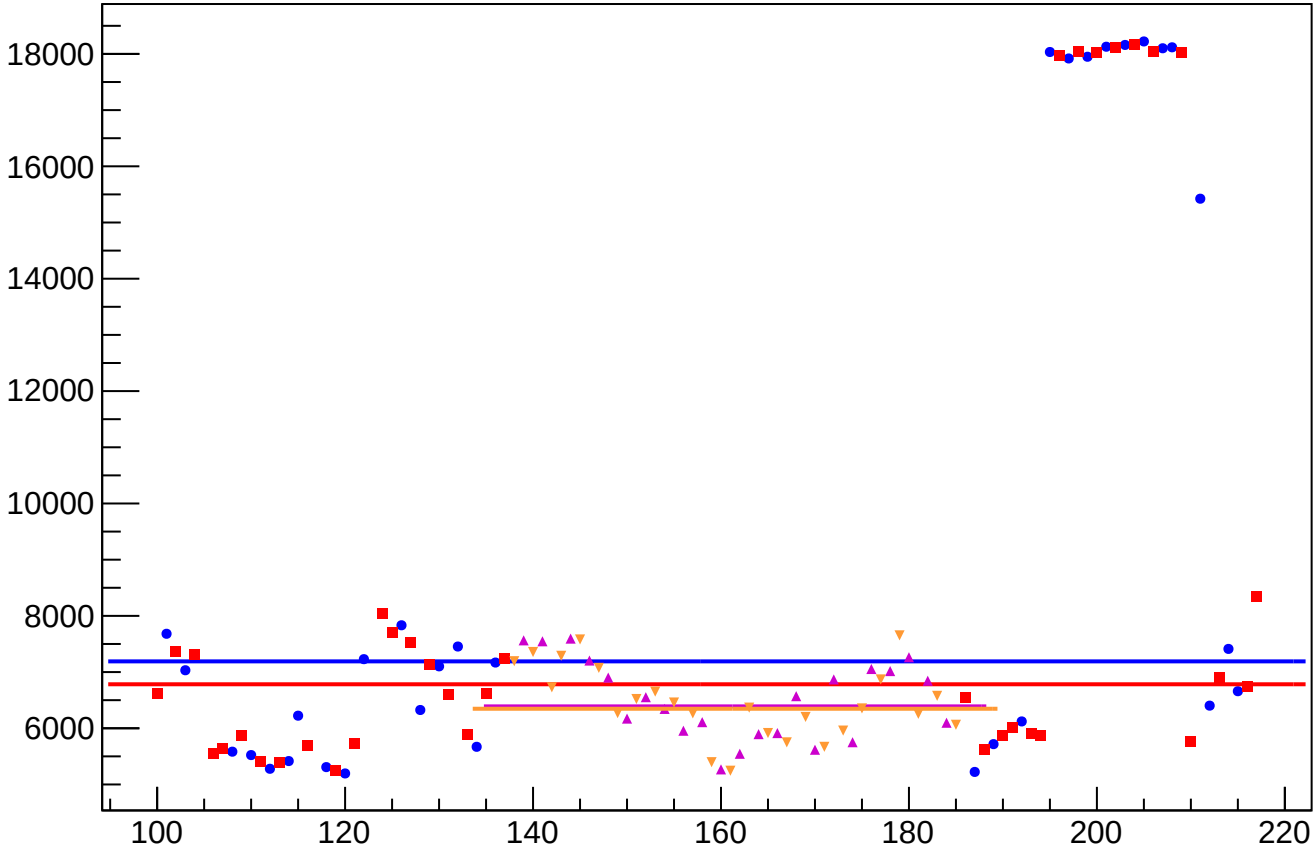
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -5.143+/-1.133 χ^2/NDF: 252.0/55

All: -0.441+/-0.790 χ^2/NDF: 755.7/114

- sign 4.015+/-1.103 χ^2/NDF: 470.1/58

diff_bpm0l06X_rms vs Slug



Right In: 7190.413+/-1.273 χ^2/NDF: 6261677.4/30

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6782.884+/-1.142 χ^2/NDF: 5500600.5/35

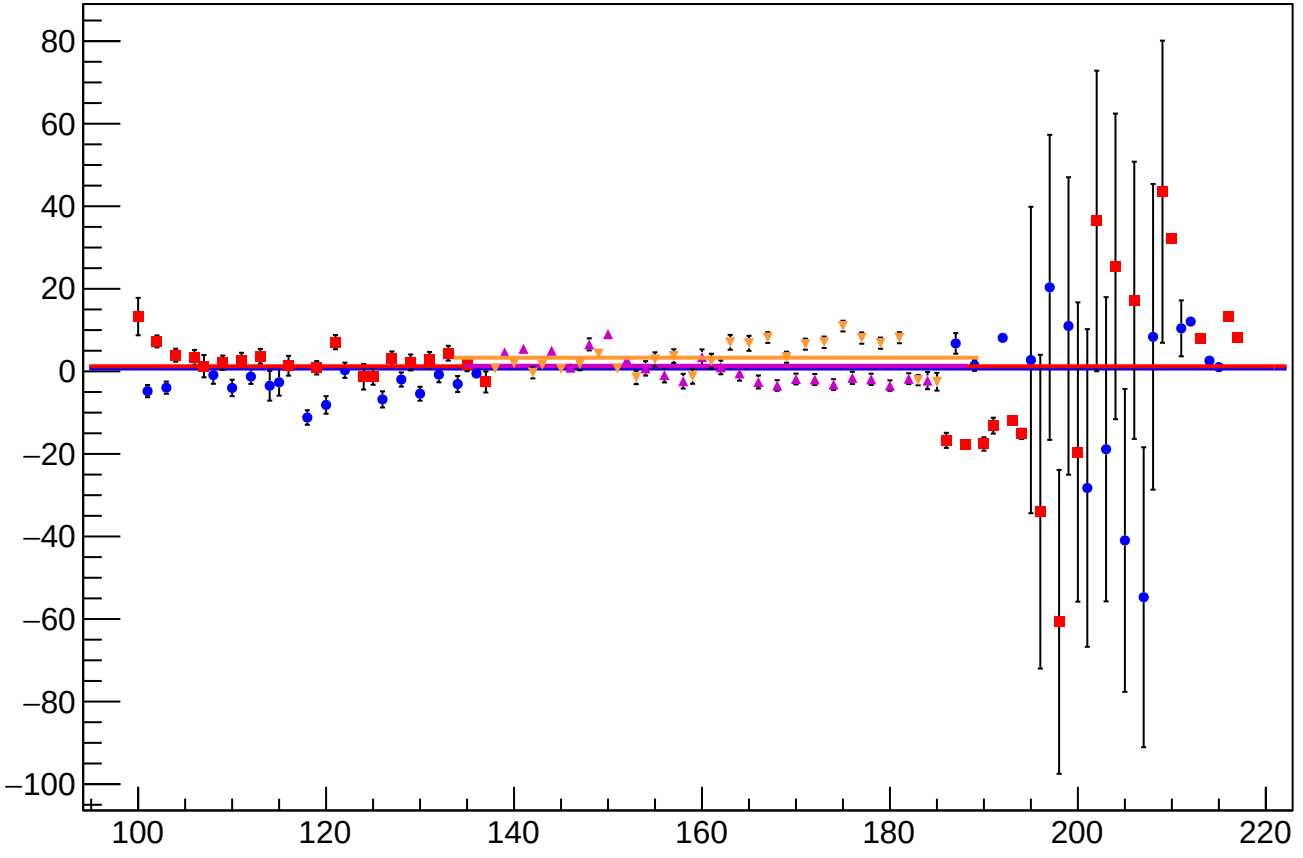
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6681.236+/-0.801 χ^2/NDF: 6912694.3/55

All: 6625.670+/-0.559 χ^2/NDF: 12905786.6/1

- sign 6573.015+/-0.780 χ^2/NDF: 5983721.0/58

diff_bpm0l06Y_mean vs Slug



Right In: 0.688+/-0.324 χ^2/NDF: 308.6/30

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 1.228+/-0.287 χ^2/NDF: 1881.6/35

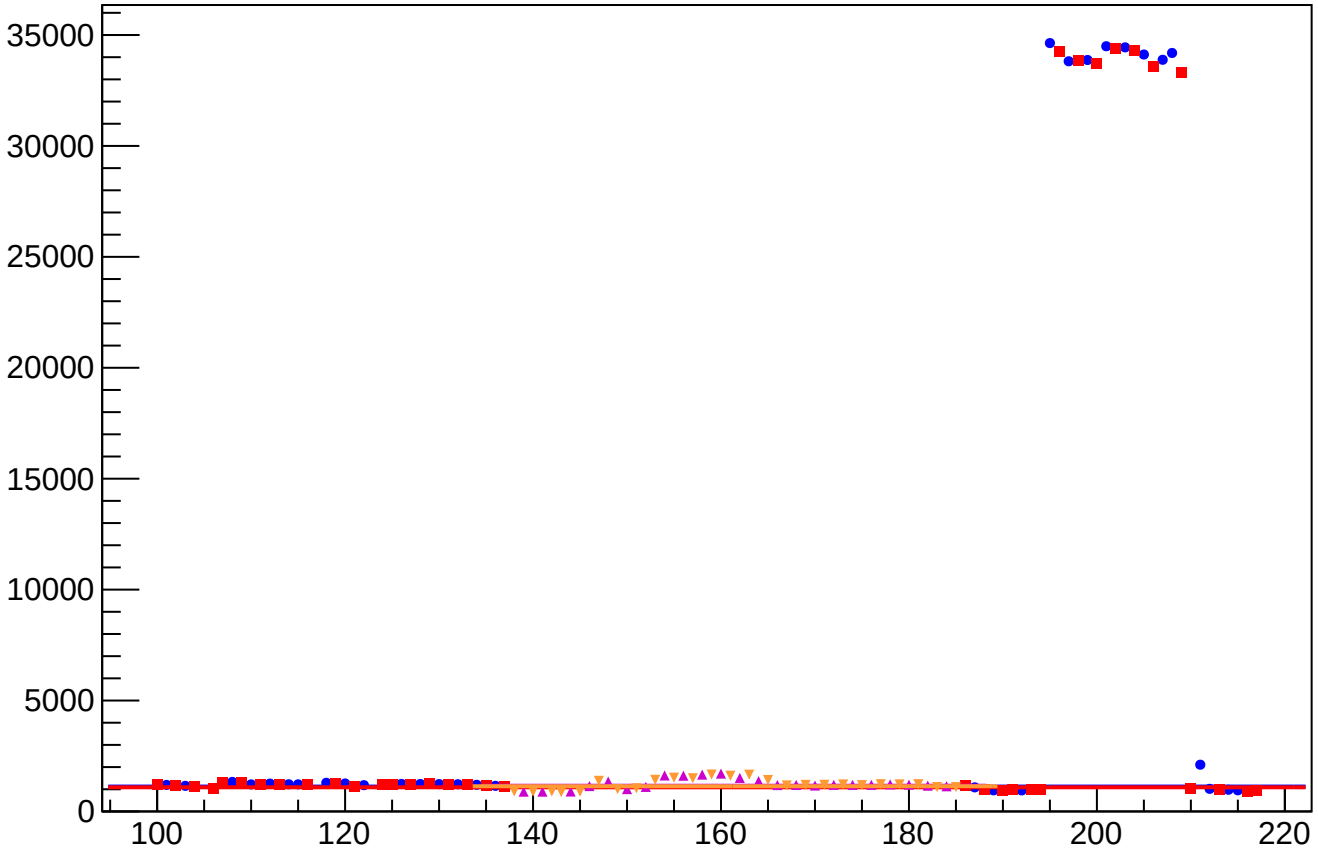
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 2.264+/-0.205 χ^2/NDF: 525.8/55

All: 1.765+/-0.143 χ^2/NDF: 2615.2/114

- sign 1.294+/-0.199 χ^2/NDF: 2077.9/58

diff_bpm0l06Y_rms vs Slug



Right In: 1121.560+/-0.229 χ^2/NDF: 13191879.7/30

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1088.622+/-0.203 χ^2/NDF: 11815549.2/35

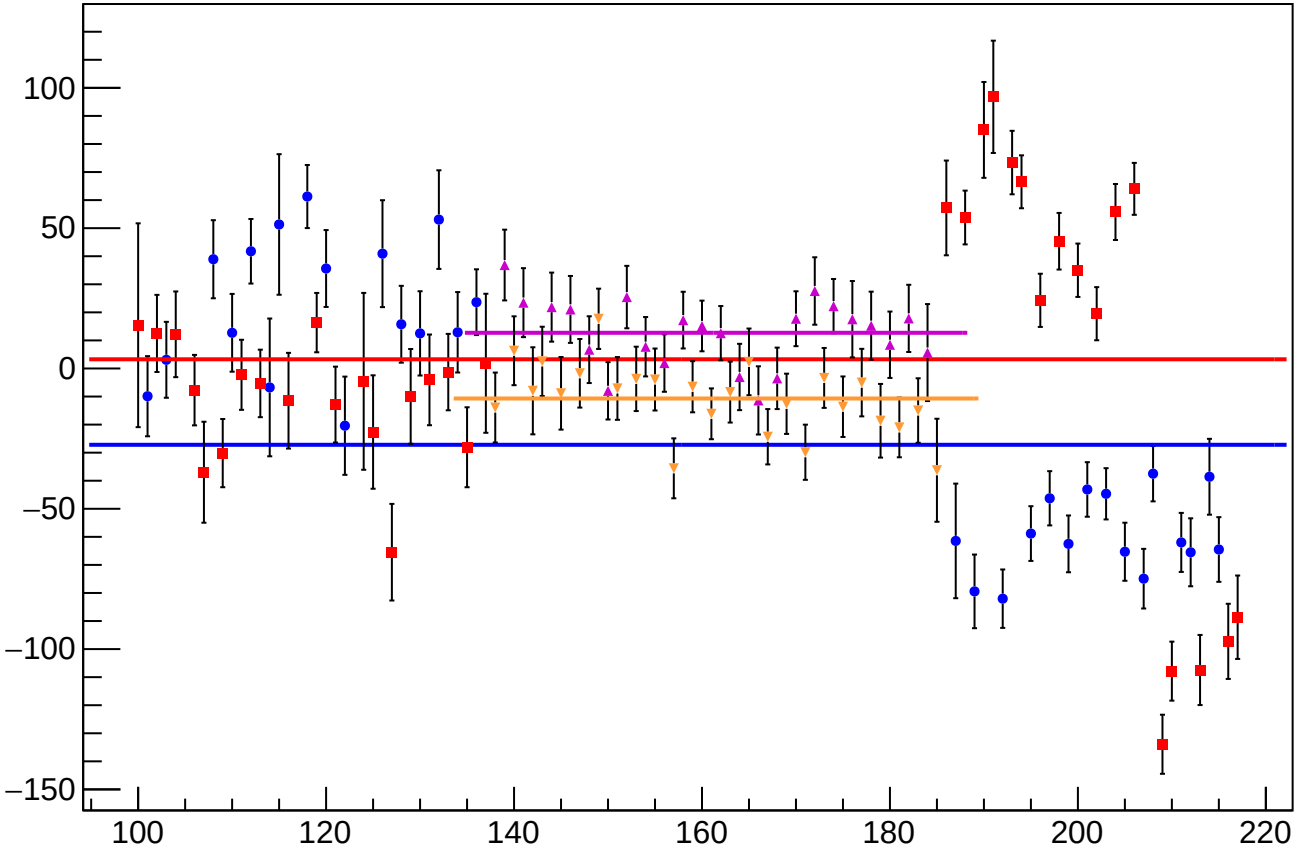
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1130.925+/-0.145 χ^2/NDF: 14664341.7/55

All: 1128.045+/-0.101 χ^2/NDF: 27803554.1/1

- sign 1125.326+/-0.141 χ^2/NDF: 13138444.6/58

diff_bpm0l07X_mean vs Slug



Right In: -27.195+/-2.212 χ^2/NDF: 390.3/30

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 3.275+/-2.119 χ^2/NDF: 770.1/35

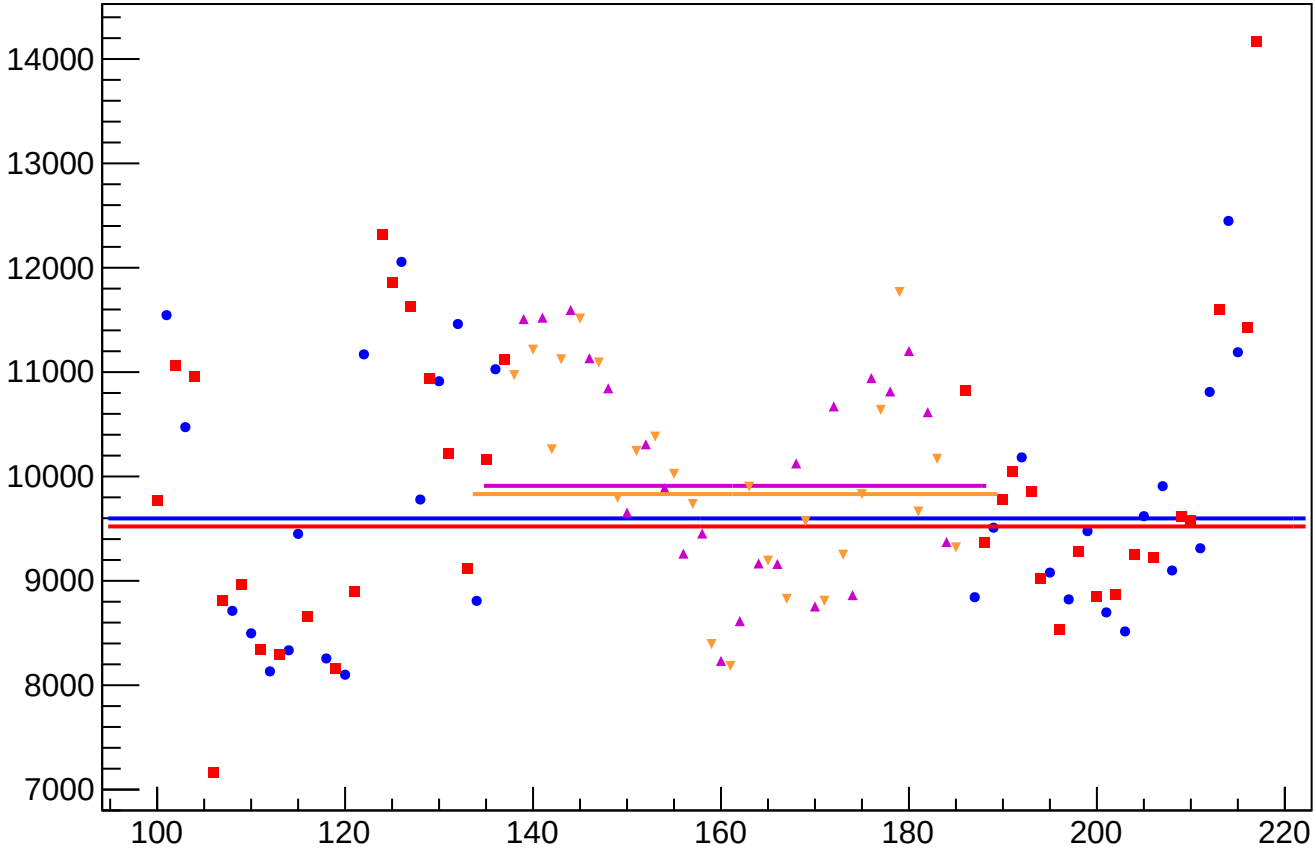
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

\+ sign -19.112+/-1.580 χ^2/NDF: 446.3/55

All: -5.715+/-1.114 χ^2/NDF: 1392.3/114

\- sign 7.528+/-1.571 χ^2/NDF: 803.1/58

diff_bpm0l07X_rms vs Slug



Right In: 9598.225+/-1.564 χ^2/NDF: 508698.8/30

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9521.147+/-1.498 χ^2/NDF: 665469.1/35

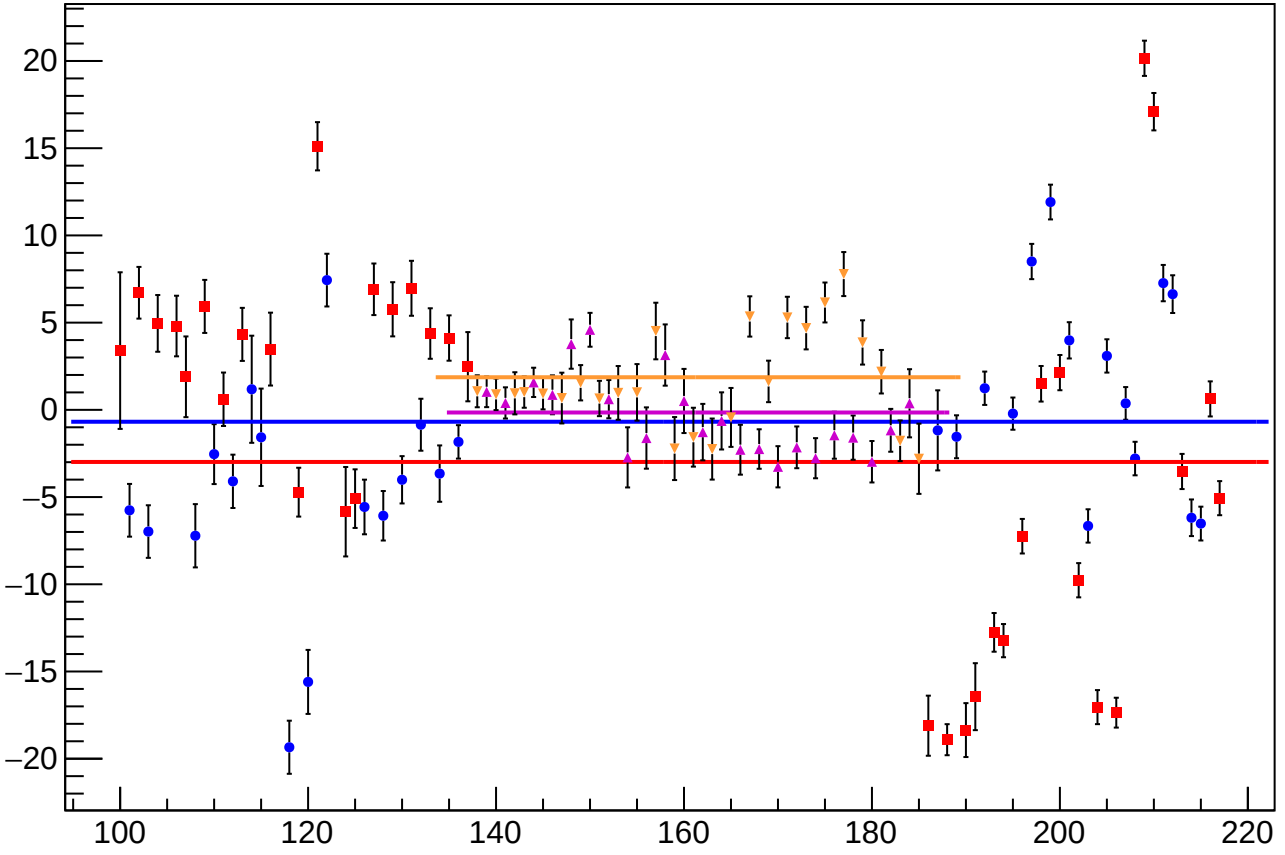
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9712.419+/-1.117 χ^2/NDF: 875700.3/55

All: 9704.366+/-0.788 χ^2/NDF: 1961021.5/11

- sign 9696.405+/-1.111 χ^2/NDF: 1085217.8/58

diff_bpm0l07Y_mean vs Slug



Right In: -0.682+/-0.219 χ^2/NDF: 824.5/30

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.987+/-0.211 χ^2/NDF: 2753.9/35

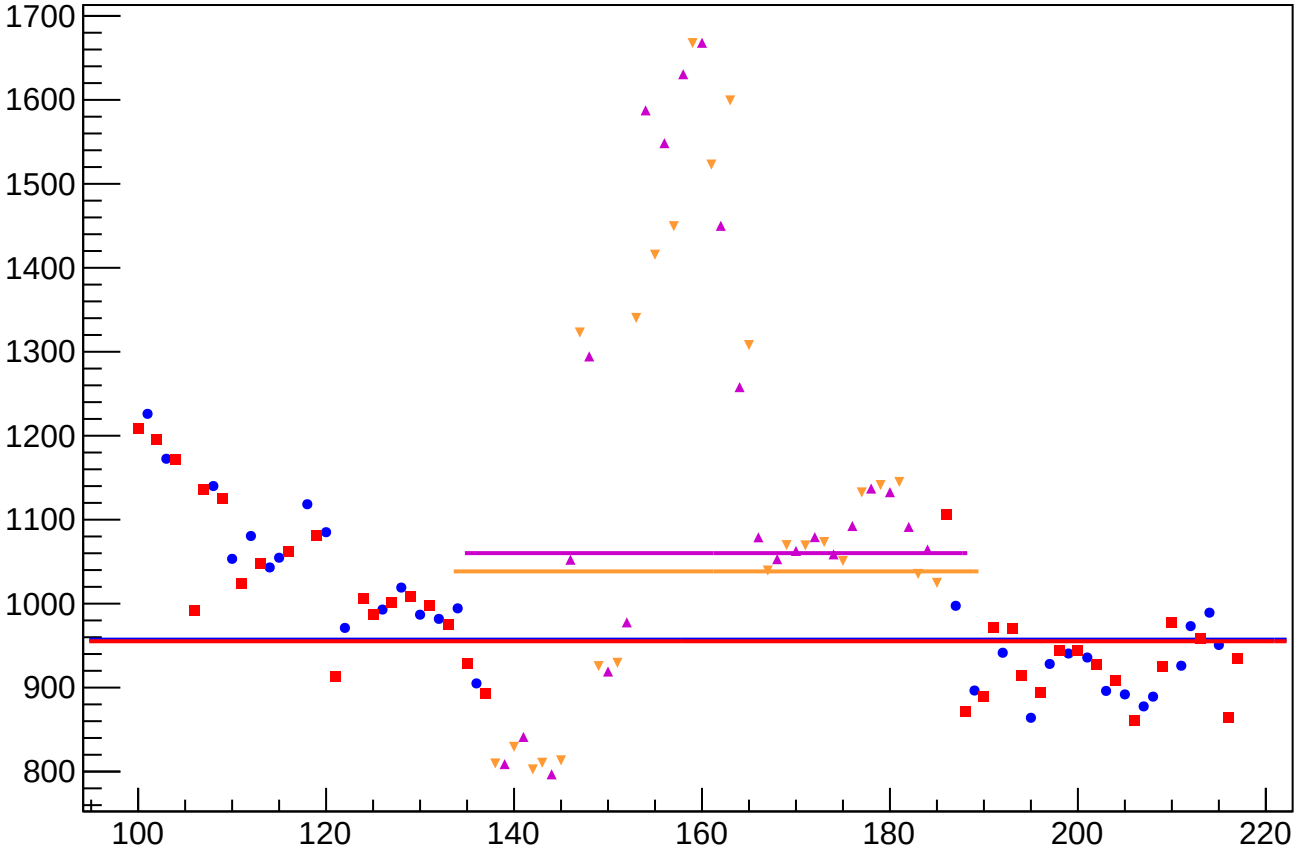
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.461+/-0.162 χ^2/NDF: 988.6/55

All: -0.688+/-0.115 χ^2/NDF: 3991.9/114

- sign -1.835+/-0.162 χ^2/NDF: 2903.2/58

diff_bpm0l07Y_rms vs Slug



Right In: 957.151+/-0.155 χ^2/NDF: 268998.5/30

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 955.180+/-0.149 χ^2/NDF: 276963.5/35

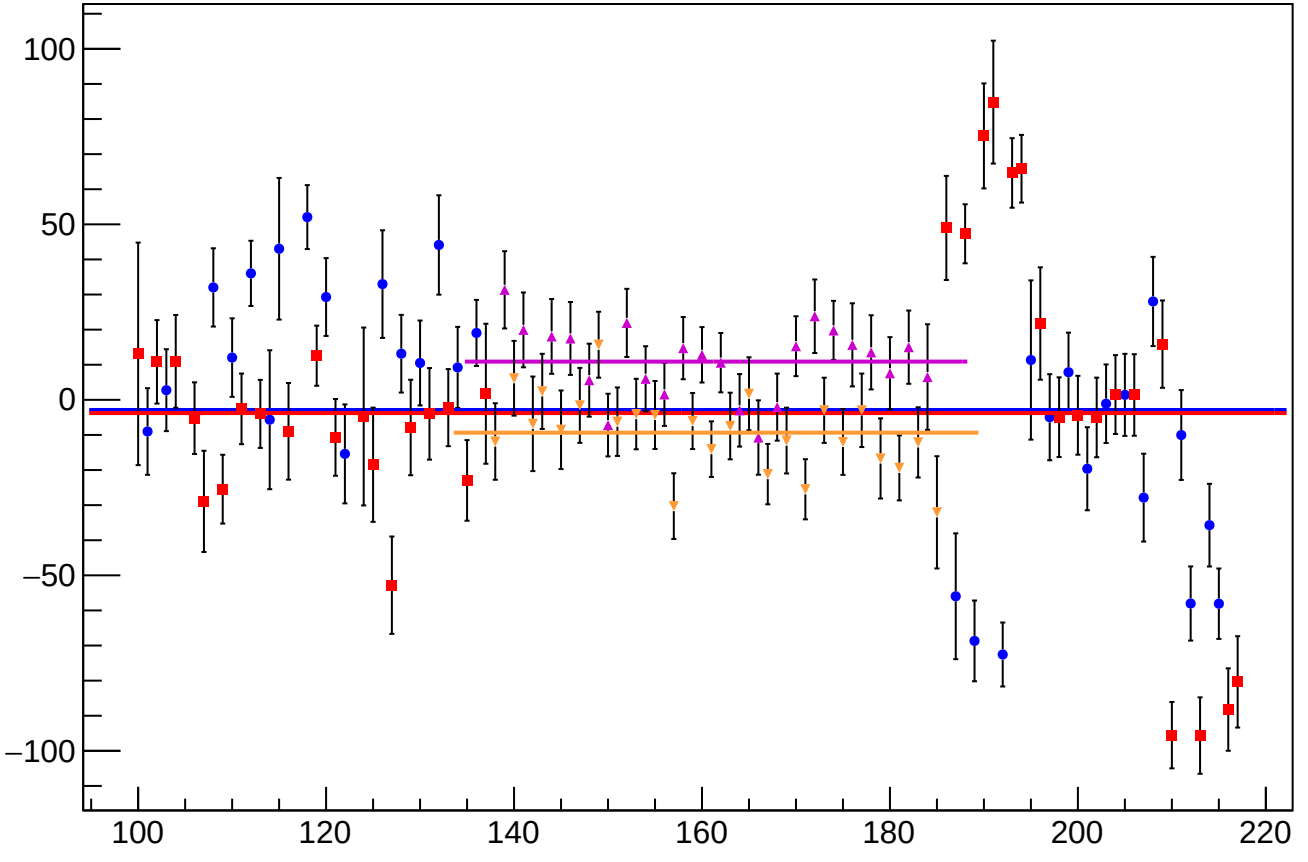
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

\+ sign 993.567+/-0.115 χ^2/NDF: 2099440.5/55

All: 995.712+/-0.081 χ^2/NDF: 4102337.3/114

\- sign 997.852+/-0.115 χ^2/NDF: 2002200.1/58

diff_bpm0l08X_mean vs Slug



Right In: -2.890+/-2.126 χ^2/NDF: 285.7/30

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -3.770+/-1.977 χ^2/NDF: 491.5/35

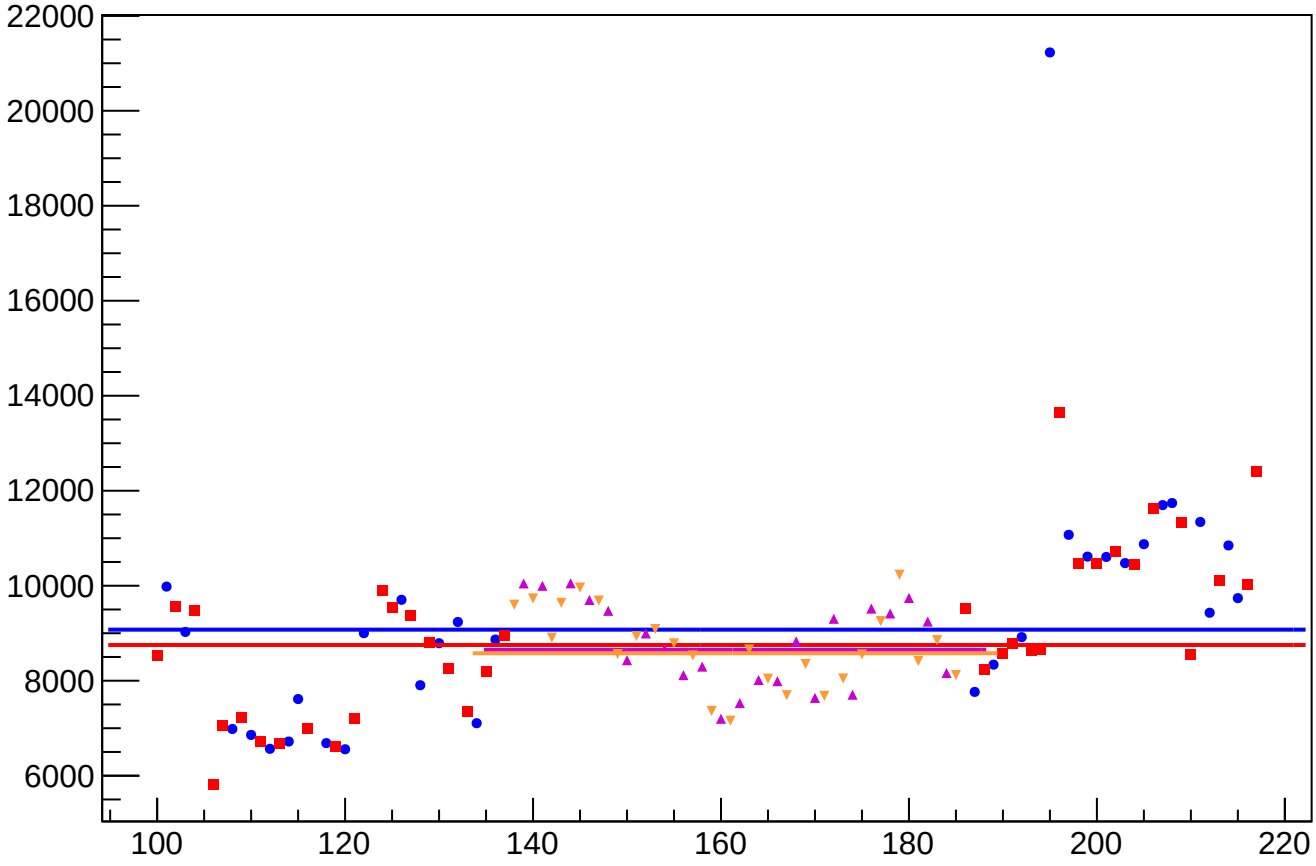
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -6.370+/-1.445 χ^2/NDF: 319.2/55

All: -1.442+/-1.013 χ^2/NDF: 883.8/114

- sign 3.321+/-1.420 χ^2/NDF: 541.7/58

diff_bpm0l08X_rms vs Slug



Right In: 9075.358+/-1.504 χ^2/NDF: 1762196.6/30

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8752.216+/-1.398 χ^2/NDF: 1500543.5/35

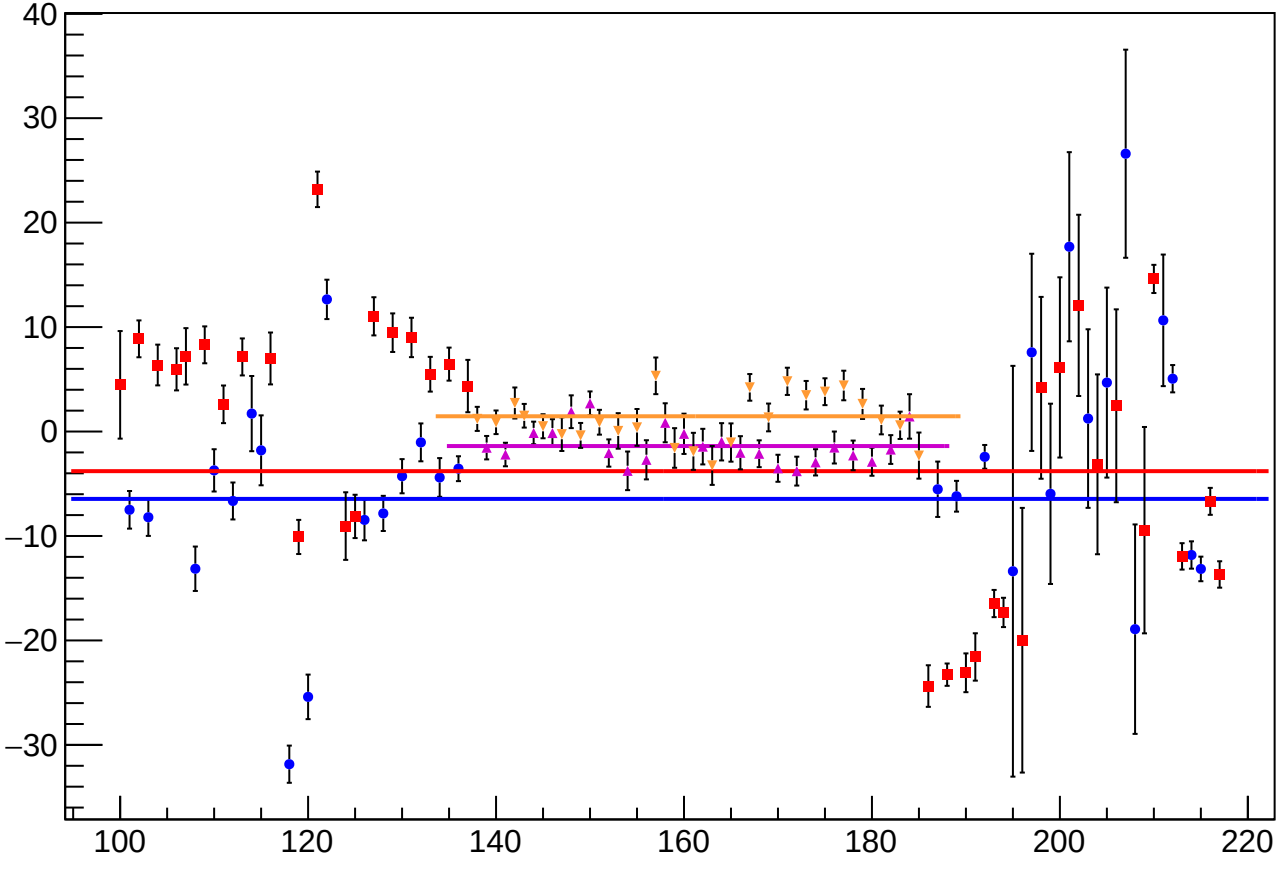
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8807.841+/-1.022 χ^2/NDF: 2164728.6/55

All: 8754.230+/-0.716 χ^2/NDF: 4051245.1/11

- sign 8702.408+/-1.004 χ^2/NDF: 1881100.8/58

diff_bpm0l08Y_mean vs Slug



Right In: -6.450+/-0.352 χ^2/NDF: 595.9/30

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

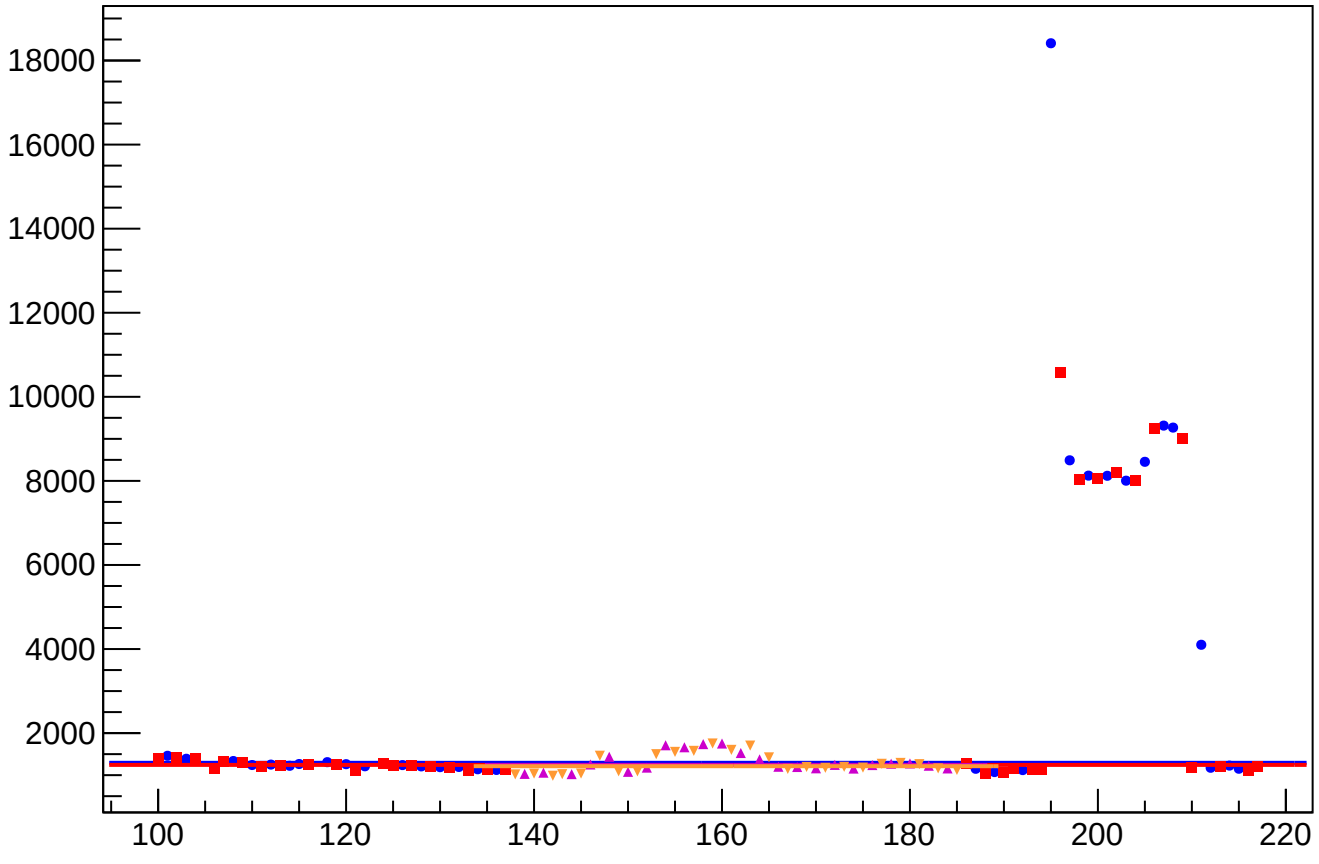
Right Out: -3.793+/-0.314 χ^2/NDF: 1857.1/35

Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.608+/-0.219 χ^2/NDF: 955.5/55

All: -2.071+/-0.153 χ^2/NDF: 2888.0/114

- sign -2.514+/-0.215 χ^2/NDF: 1923.8/58



Right In: 1293.399+/-0.249 χ^2/NDF: 10754052.2/30

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1244.031+/-0.222 χ^2/NDF: 9033201.1/35

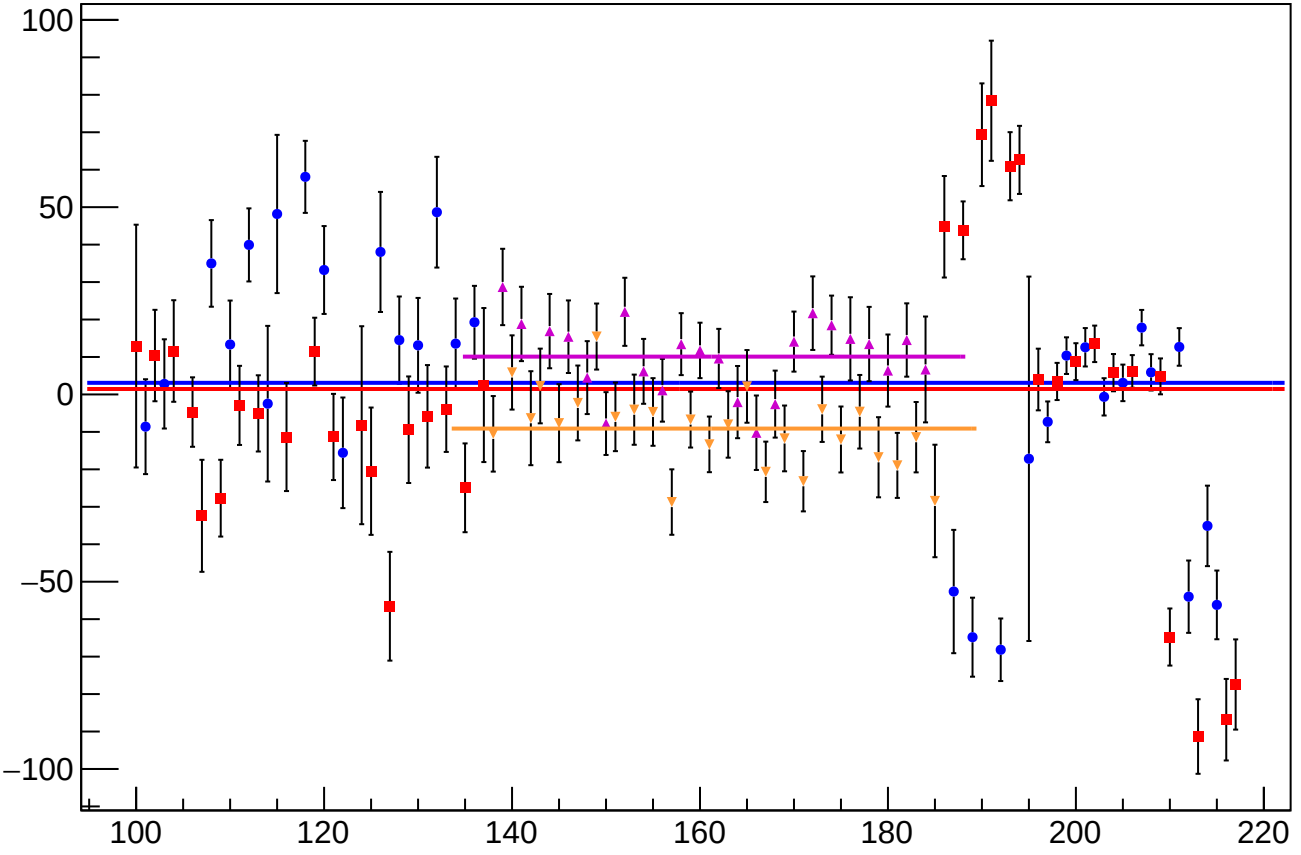
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1244.355+/-0.155 χ^2/NDF: 11830139.8/55

All: 1242.869+/-0.109 χ^2/NDF: 21749372.0/1

- sign 1241.446+/-0.152 χ^2/NDF: 9919052.7/58

diff_bpm0l09X_mean vs Slug



Right In: 3.100+/-1.433 χ^2/NDF: 327.2/30

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 1.455+/-1.425 χ^2/NDF: 500.6/35

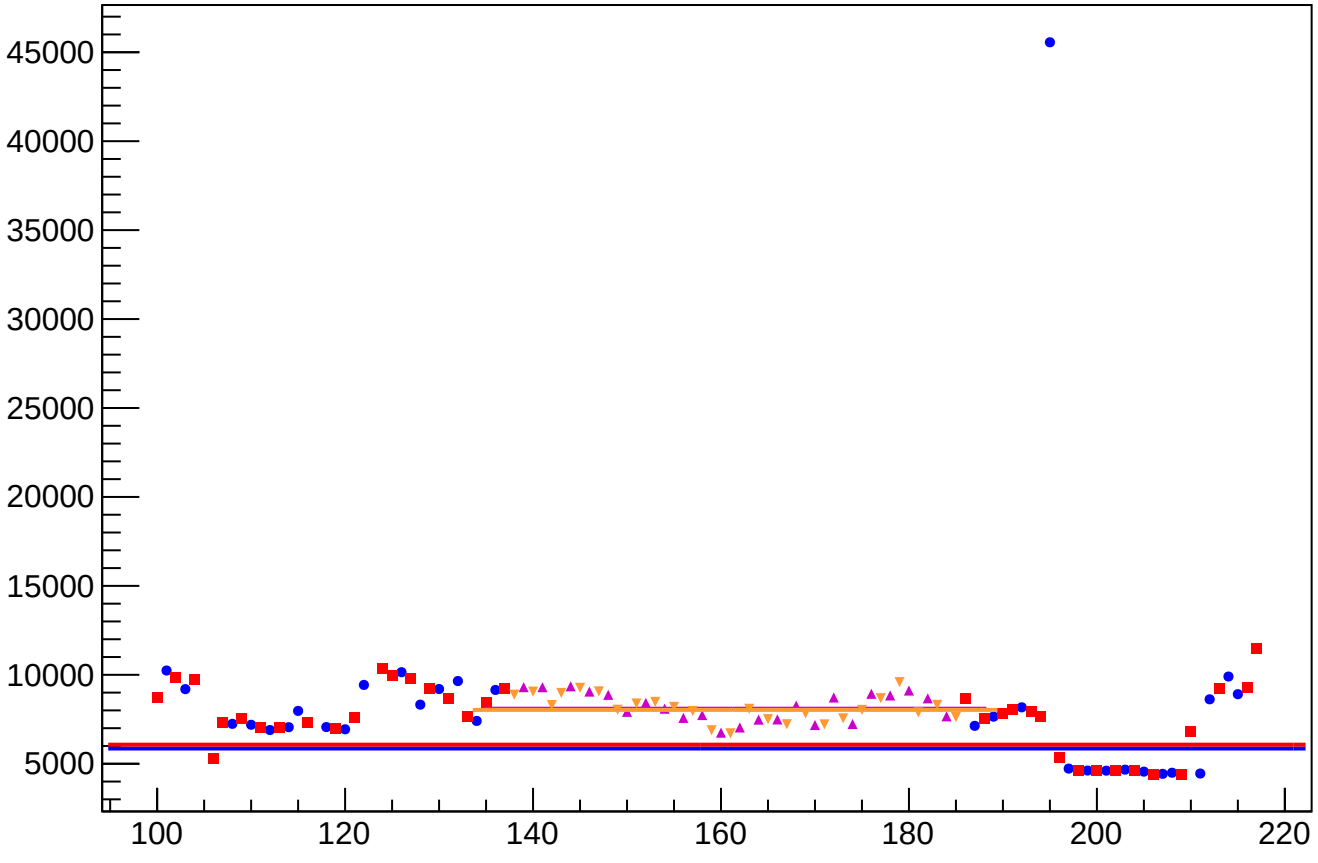
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -1.504+/-1.131 χ^2/NDF: 383.3/55

All: 1.489+/-0.804 χ^2/NDF: 935.5/114

- sign 4.541+/-1.142 χ^2/NDF: 538.0/58

diff_bpm0l09X_rms vs Slug



Right In: 5856.948+/-1.013 χ^2/NDF: 4742314.4/30

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6074.212+/-1.007 χ^2/NDF: 3571771.0/35

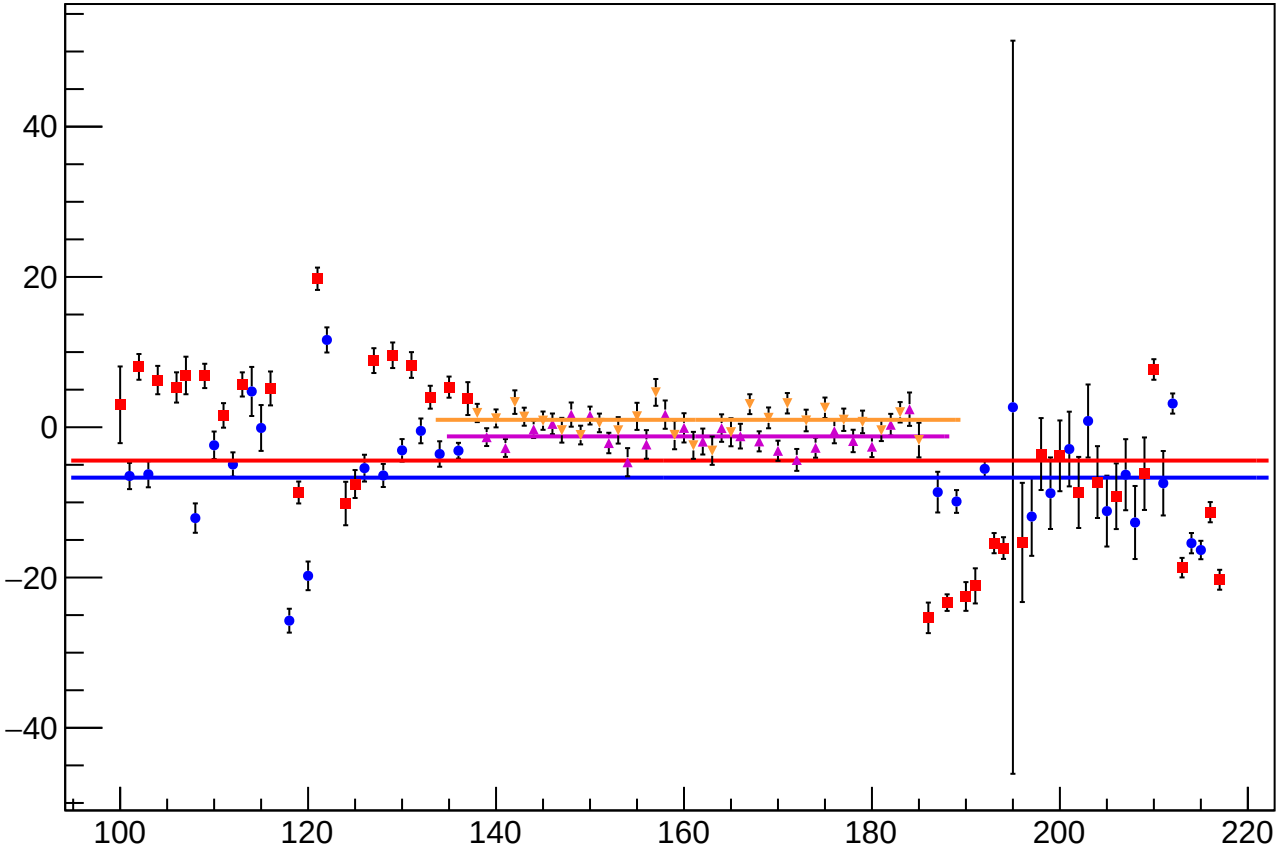
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6675.348+/-0.800 χ^2/NDF: 6805067.1/55

All: 6735.166+/-0.568 χ^2/NDF: 12193269.2/1

- sign 6796.162+/-0.808 χ^2/NDF: 5376906.9/58

diff_bpm0l09Y_mean vs Slug



Right In: -6.707+/-0.332 χ^2/NDF: 548.1/30

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

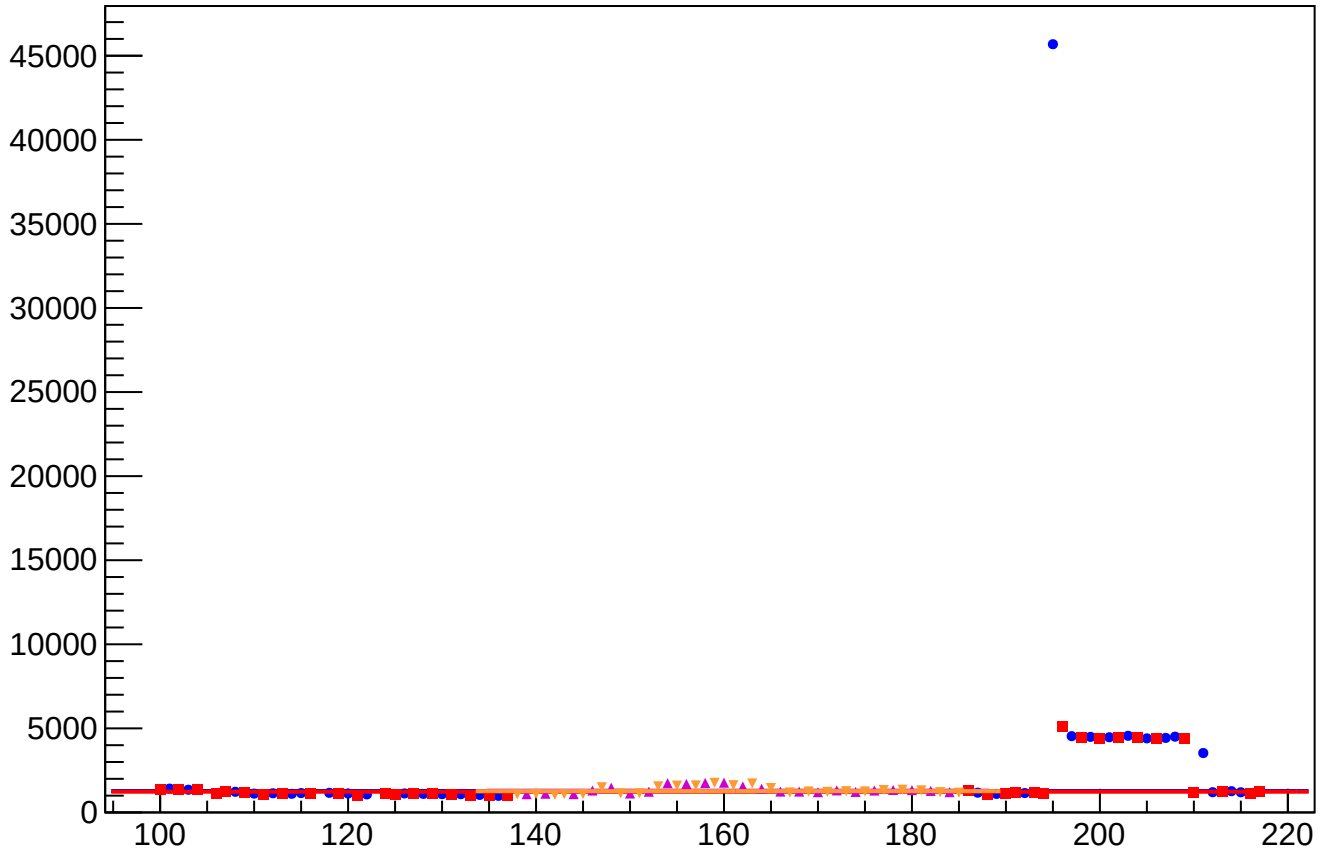
Right Out: -4.435+/-0.301 χ^2/NDF: 1857.3/35

Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -2.372+/-0.219 χ^2/NDF: 881.6/55

All: -2.619+/-0.154 χ^2/NDF: 2830.4/114

- sign -2.856+/-0.215 χ^2/NDF: 1946.4/58



Right In: 1273.583+/-0.235 χ^2/NDF: 8754384.4/30

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1232.836+/-0.213 χ^2/NDF: 6410996.5/35

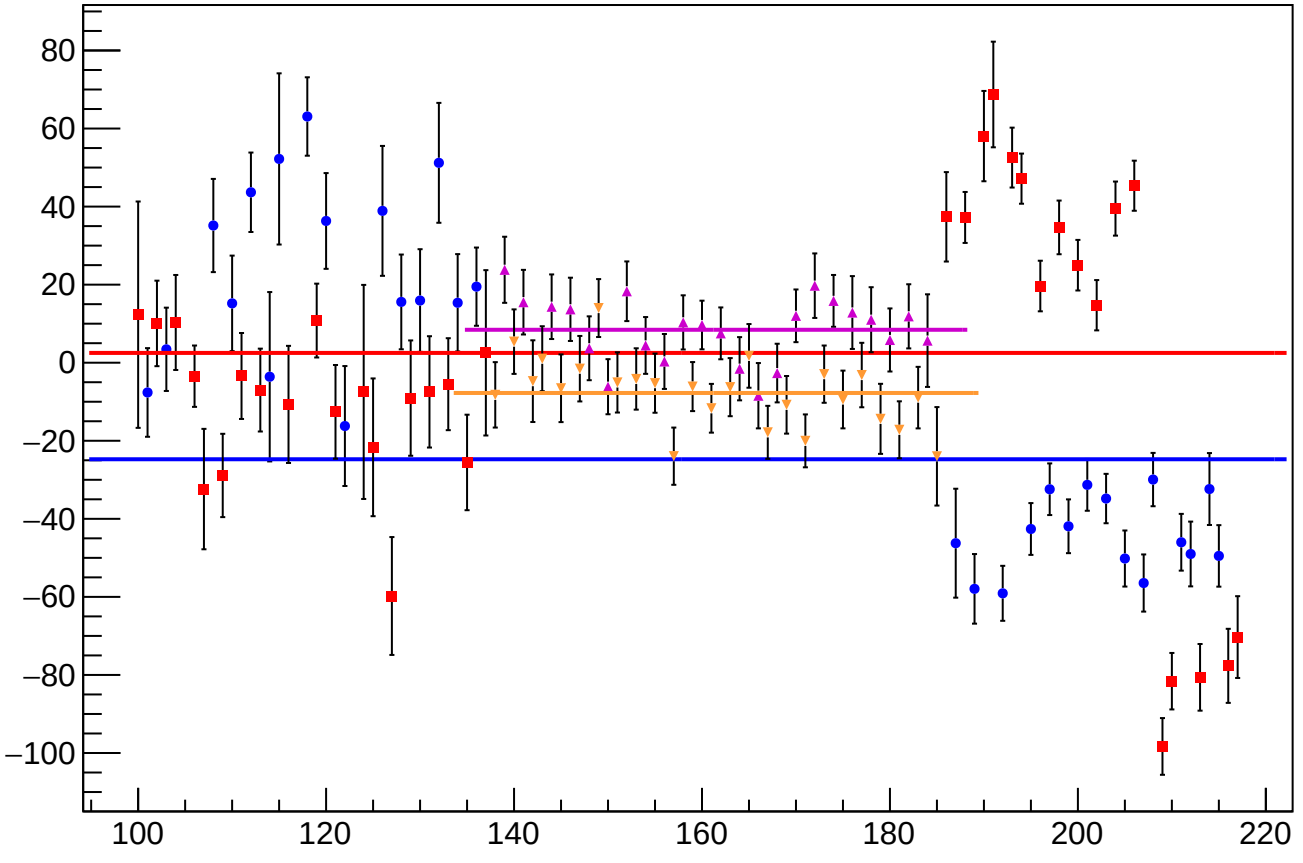
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1270.102+/-0.155 χ^2/NDF: 9633206.1/55

All: 1266.426+/-0.109 χ^2/NDF: 16844119.3/1

- sign 1262.903+/-0.152 χ^2/NDF: 7209813.9/58

diff_bpm0l10X_mean vs Slug



Right In: -24.738+/-1.634 χ^2/NDF: 412.3/30

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 2.508+/-1.553 χ^2/NDF: 880.4/35

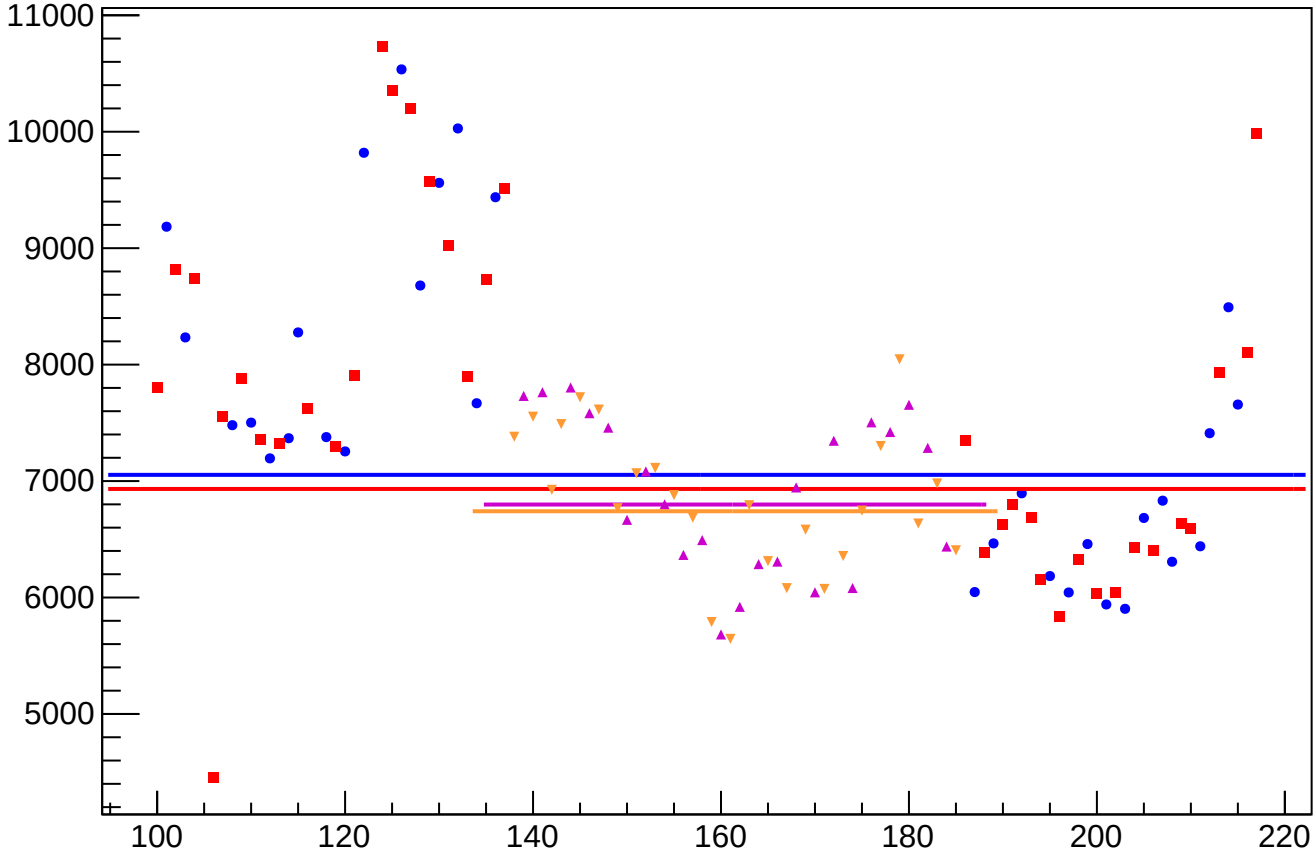
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -15.780+/-1.123 χ^2/NDF: 499.7/55

All: -5.133+/-0.792 χ^2/NDF: 1590.6/114

- sign 5.375+/-1.116 χ^2/NDF: 912.3/58

diff_bpm0l10X_rms vs Slug



Right In: 7053.388+/-1.155 χ^2/NDF: 911540.5/30

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6932.354+/-1.098 χ^2/NDF: 1207607.2/35

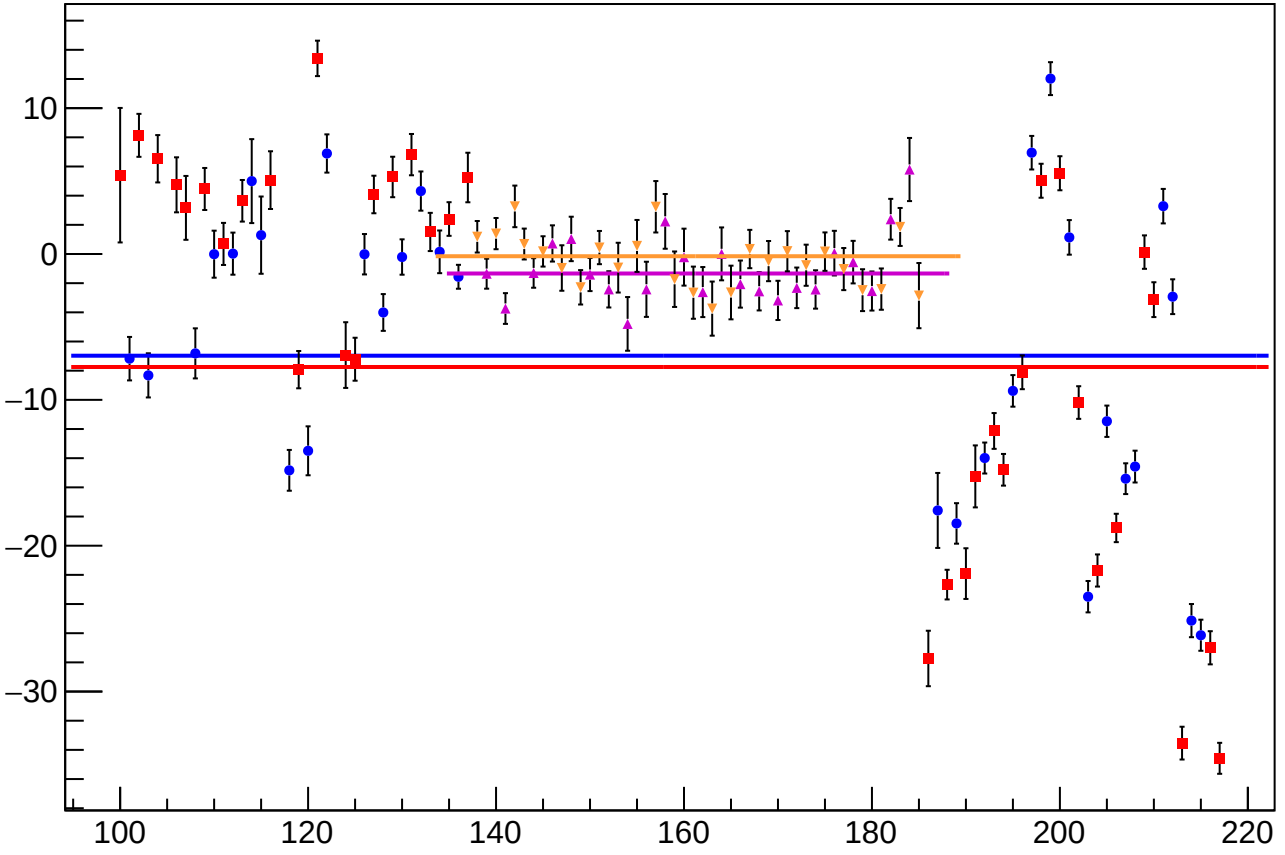
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6888.546+/-0.794 χ^2/NDF: 1266849.7/55

All: 6878.025+/-0.560 χ^2/NDF: 2835268.1/11

- sign 6867.641+/-0.789 χ^2/NDF: 1568069.7/58

diff_bpm0l10Y_mean vs Slug



Right In: -6.973+/-0.227 χ^2/NDF: 2070.1/30

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -7.747+/-0.221 χ^2/NDF: 3767.1/35

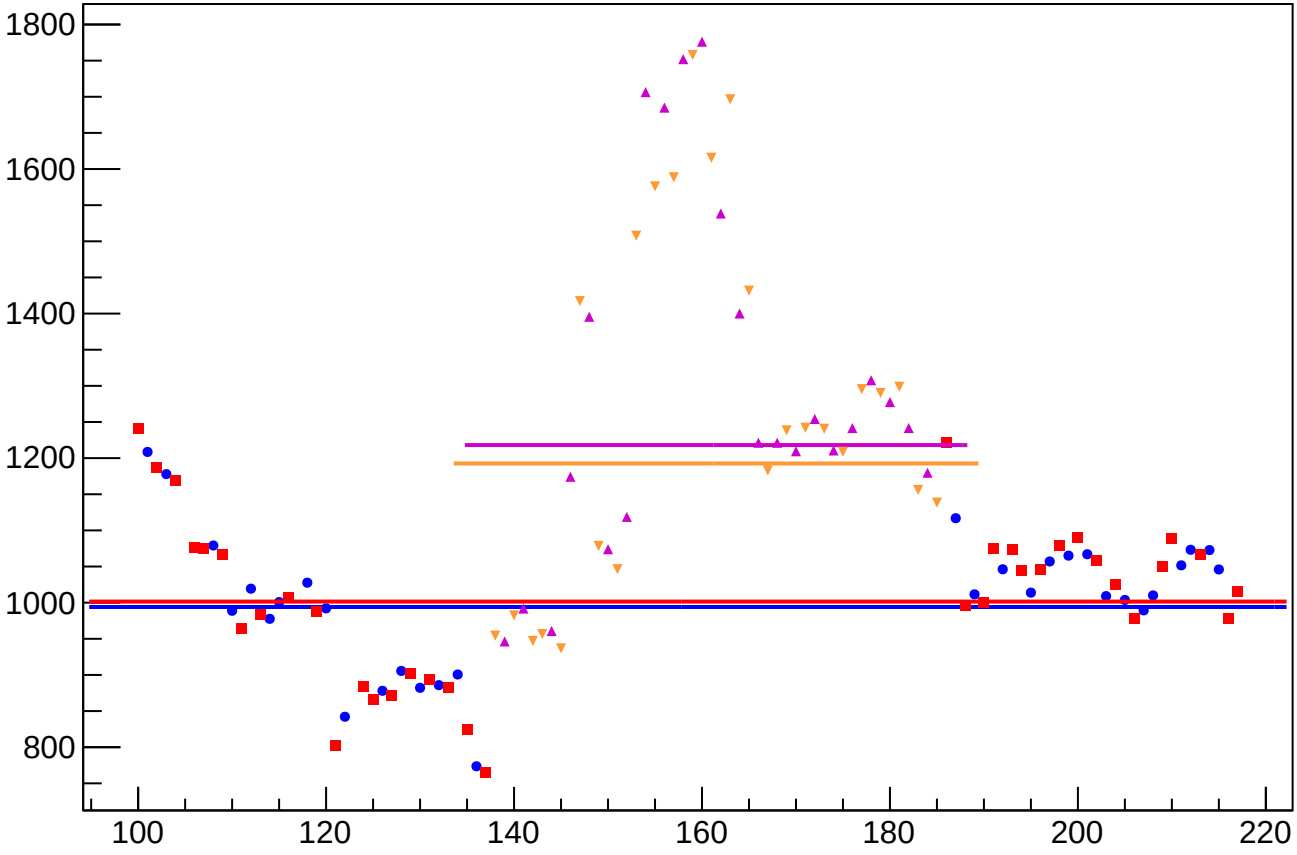
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -4.224+/-0.176 χ^2/NDF: 2468.9/55

All: -4.808+/-0.124 χ^2/NDF: 6610.9/114

- sign -5.392+/-0.176 χ^2/NDF: 4119.9/58

diff_bpm0l10Y_rms vs Slug



Right In: 993.994+/-0.161 χ^2/NDF: 371941.5/30

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1001.509+/-0.156 χ^2/NDF: 383476.6/35

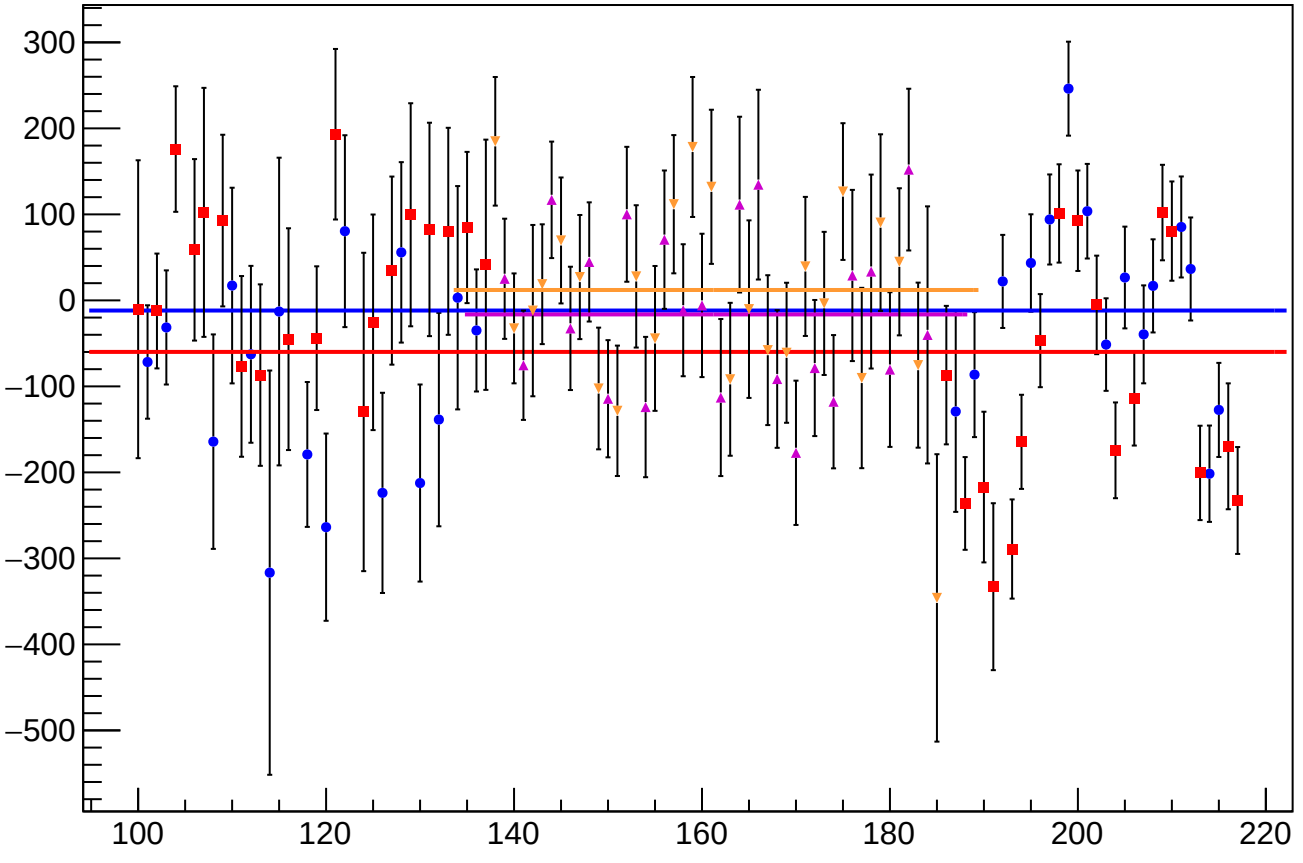
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1074.034+/-0.124 χ^2/NDF: 2307052.0/55

All: 1077.545+/-0.088 χ^2/NDF: 4524766.3/11

- sign 1081.063+/-0.124 χ^2/NDF: 2216115.3/58

diff_bpm0r03X_mean vs Slug



Right In: -11.807+/-12.846 χ^2/NDF: 77.3/30

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -59.914+/-12.510 χ^2/NDF: 124.2/35

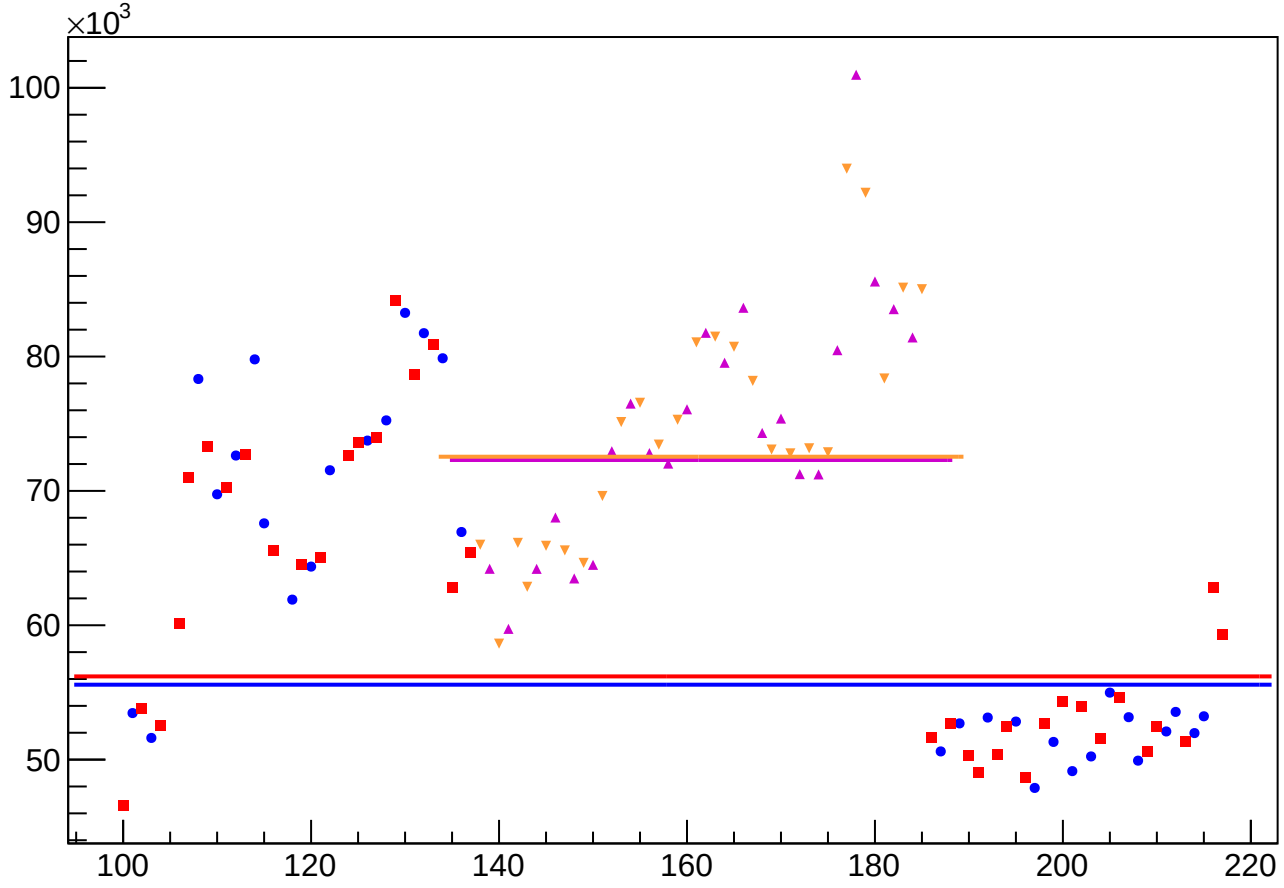
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign -2.865+/-10.161 χ^2/NDF: 111.4/55

All: -23.915+/-7.156 χ^2/NDF: 277.1/114

- sign -44.628+/-10.079 χ^2/NDF: 157.2/58

diff_bpm0r03X_rms vs Slug



Right In: 55576.046+/-9.083 χ^2/NDF: 867973.5/30

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56193.391+/-8.846 χ^2/NDF: 793240.4/35

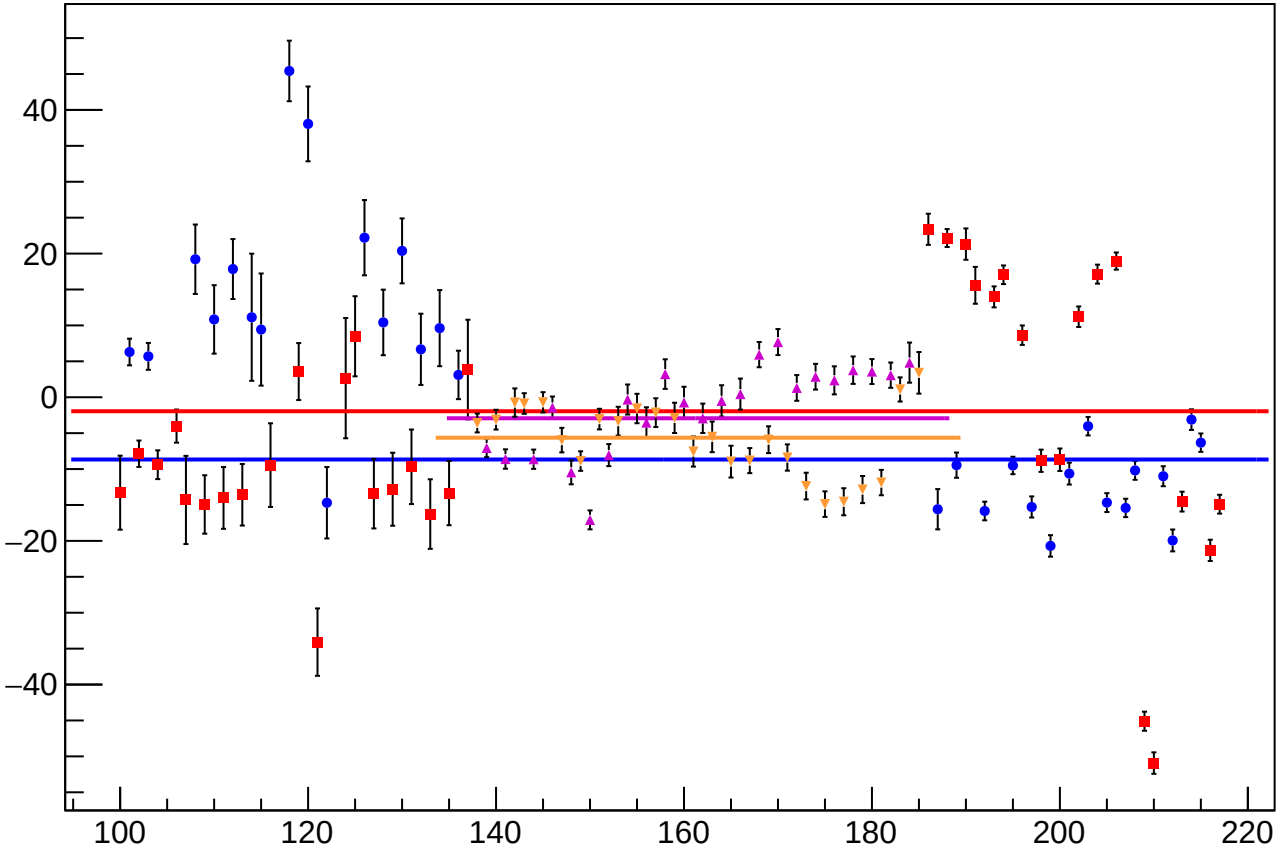
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 61927.611+/-7.185 χ^2/NDF: 2674292.8/55

All: 61885.448+/-5.060 χ^2/NDF: 5119535.0/1

- sign 61843.959+/-7.127 χ^2/NDF: 2445173.8/58

diff_bpm0r03Y_mean vs Slug



Right In: -8.670+/-0.340 χ^2/NDF: 861.2/30

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -1.949+/-0.327 χ^2/NDF: 4329.1/35

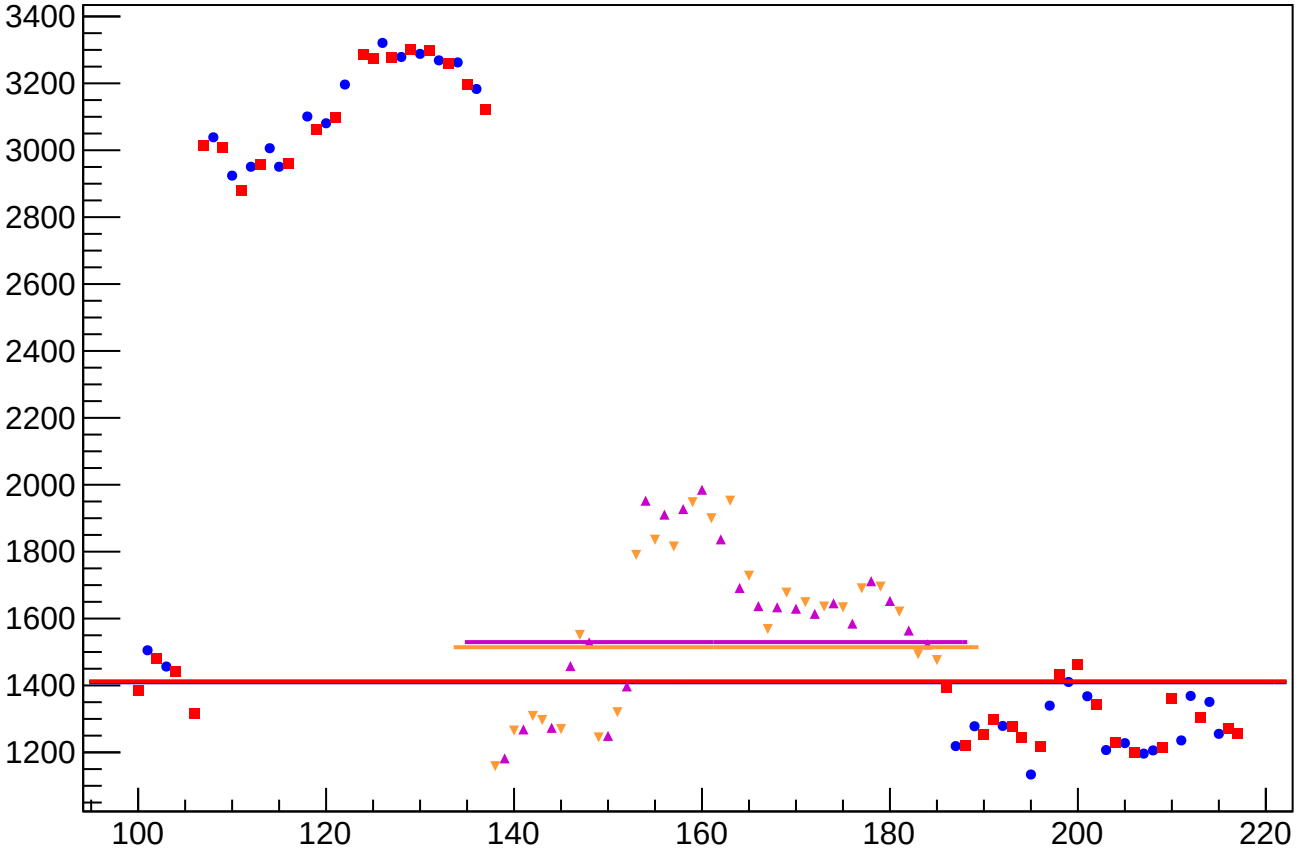
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -7.195+/-0.243 χ^2/NDF: 1078.2/55

All: -4.784+/-0.172 χ^2/NDF: 5944.4/114

- sign -2.389+/-0.243 χ^2/NDF: 4670.5/58

diff_bpm0r03Y_rms vs Slug



Right In: 1409.487+/-0.240 χ^2/NDF: 4071903.3/30

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1412.347+/-0.231 χ^2/NDF: 3947865.0/35

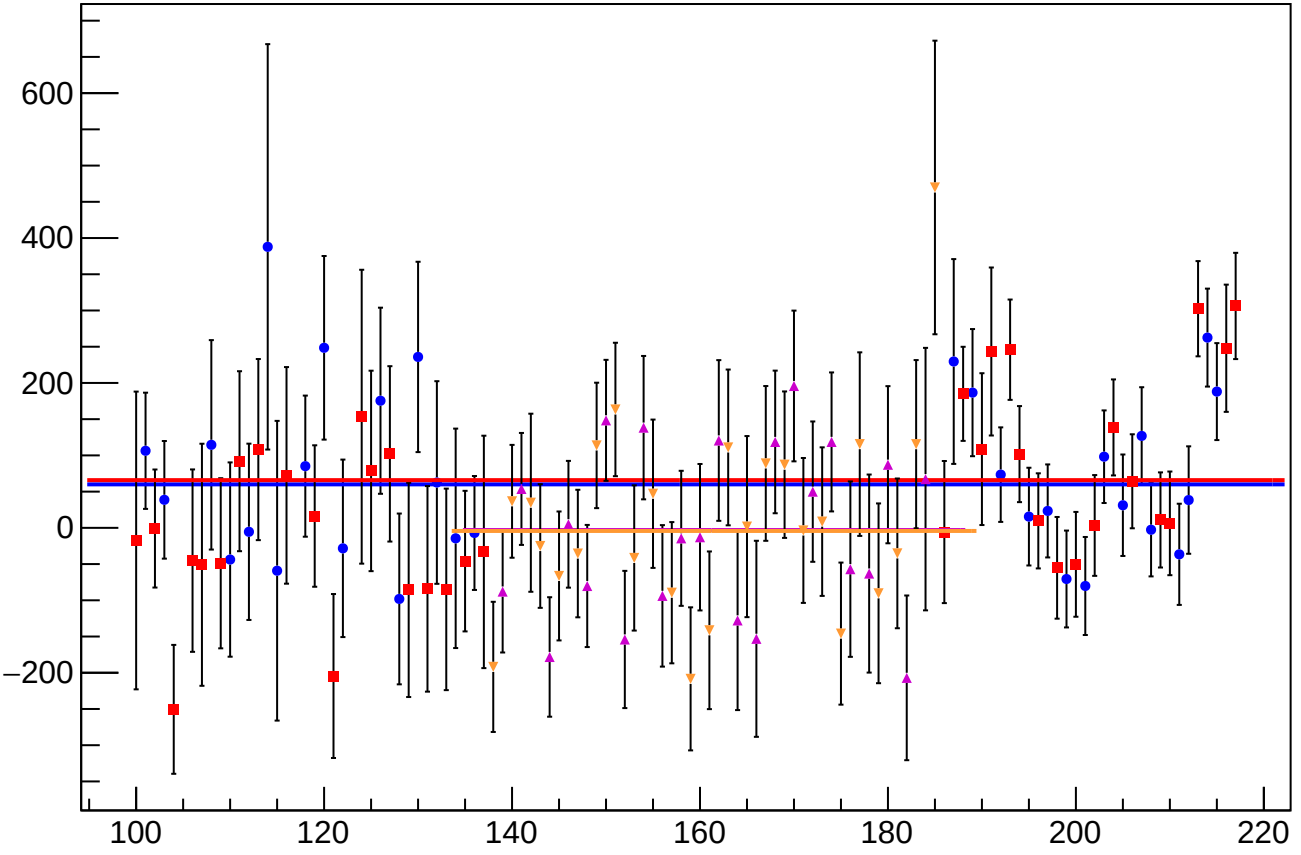
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1460.464+/-0.172 χ^2/NDF: 5097961.9/55

All: 1462.706+/-0.121 χ^2/NDF: 9990291.3/11

- sign 1464.933+/-0.172 χ^2/NDF: 4891991.2/58

diff_bpm0r05X_mean vs Slug



Right In: 60.013+/-15.328 χ^2/NDF: 40.9/30

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

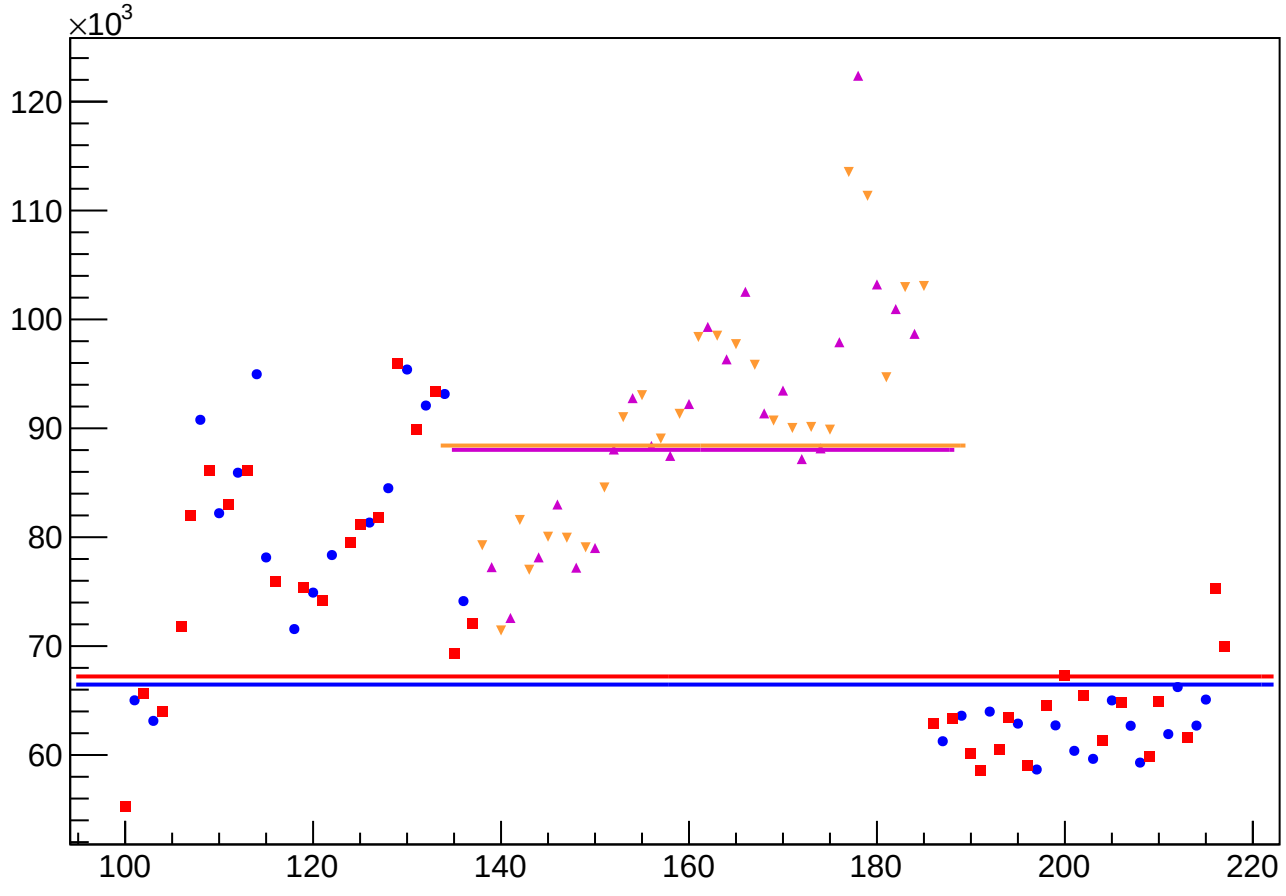
Right Out: 65.847+/-14.937 χ^2/NDF: 78.3/35

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 36.582+/-12.219 χ^2/NDF: 77.7/55

All: 39.463+/-8.604 χ^2/NDF: 194.2/114

- sign 42.297+/-12.117 χ^2/NDF: 116.3/58



Right In: 66467.663+/-10.838 χ^2/NDF: 654299.3/30

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67212.322+/-10.562 χ^2/NDF: 615949.0/35

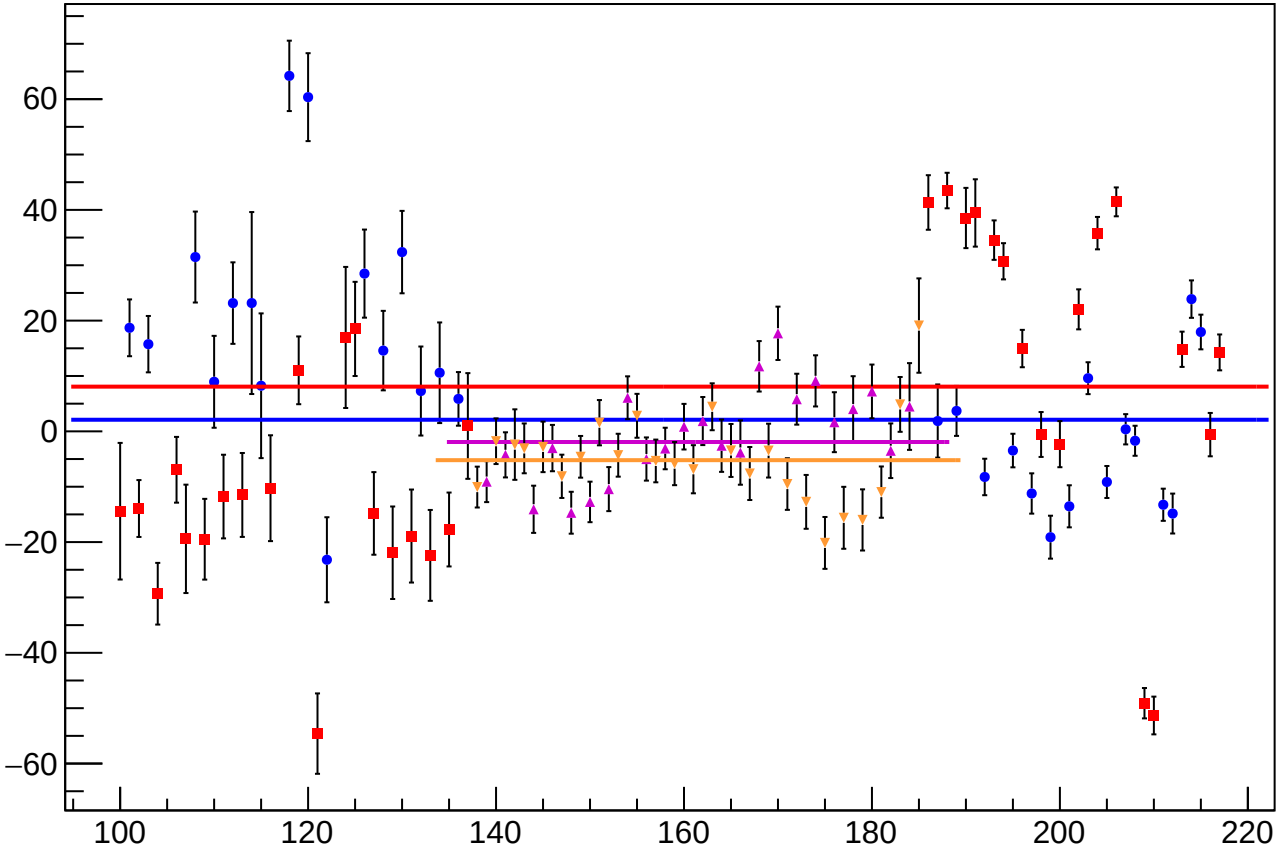
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 74468.132+/-8.640 χ^2/NDF: 2631174.3/55

All: 74398.201+/-6.084 χ^2/NDF: 5059744.6/1

- sign 74329.440+/-8.568 χ^2/NDF: 2428440.4/58

diff_bpm0r05Y_mean vs Slug



Right In: 2.096+/-0.768 χ^2/NDF: 448.9/30

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 8.076+/-0.759 χ^2/NDF: 1614.5/35

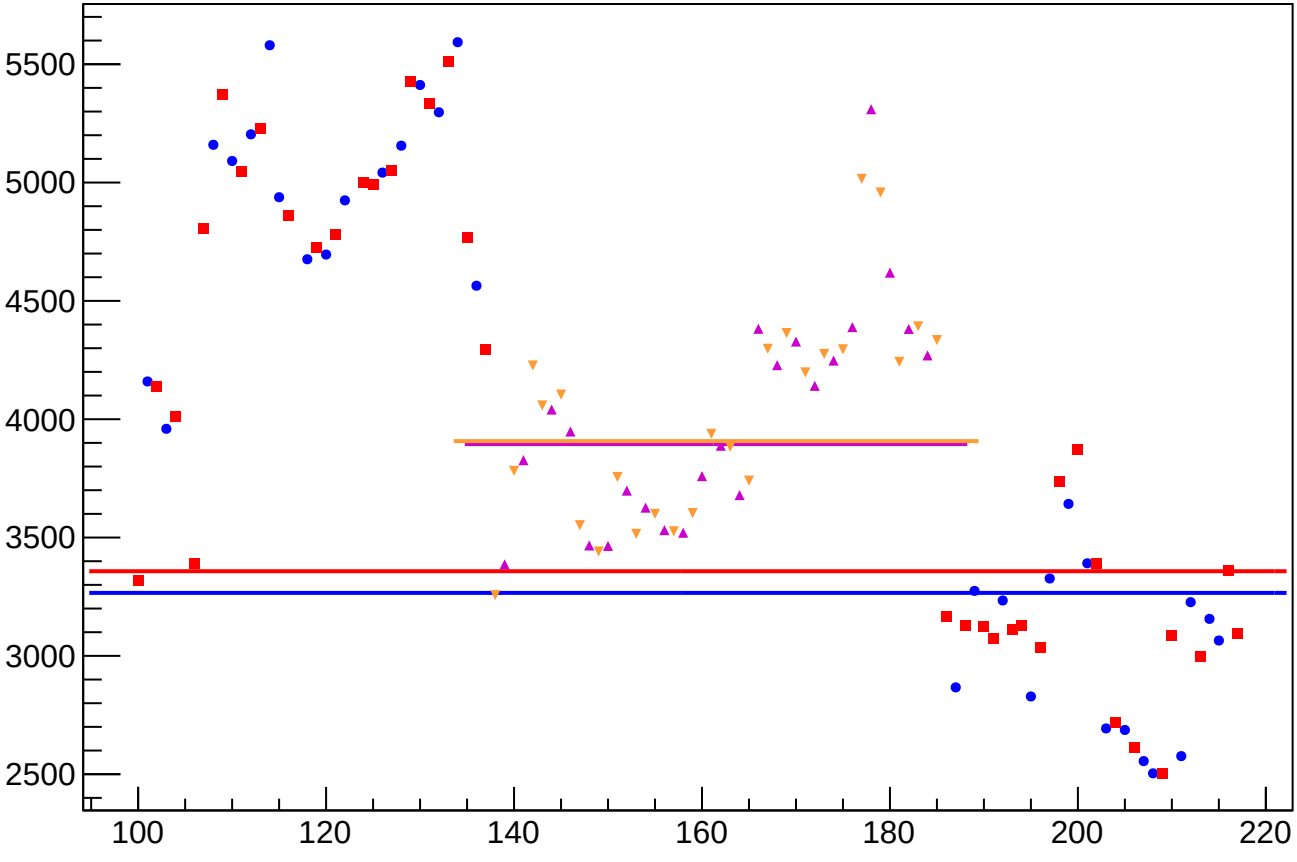
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

\+ sign -1.006+/-0.583 χ^2/NDF: 538.2/55

All: 1.493+/-0.413 χ^2/NDF: 2343.5/114

\- sign 4.008+/-0.584 χ^2/NDF: 1768.4/58

diff_bpm0r05Y_rms vs Slug



Right In: 3266.183+/-0.543 χ^2/NDF: 2222105.1/30

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3357.688+/-0.537 χ^2/NDF: 2018093.3/35

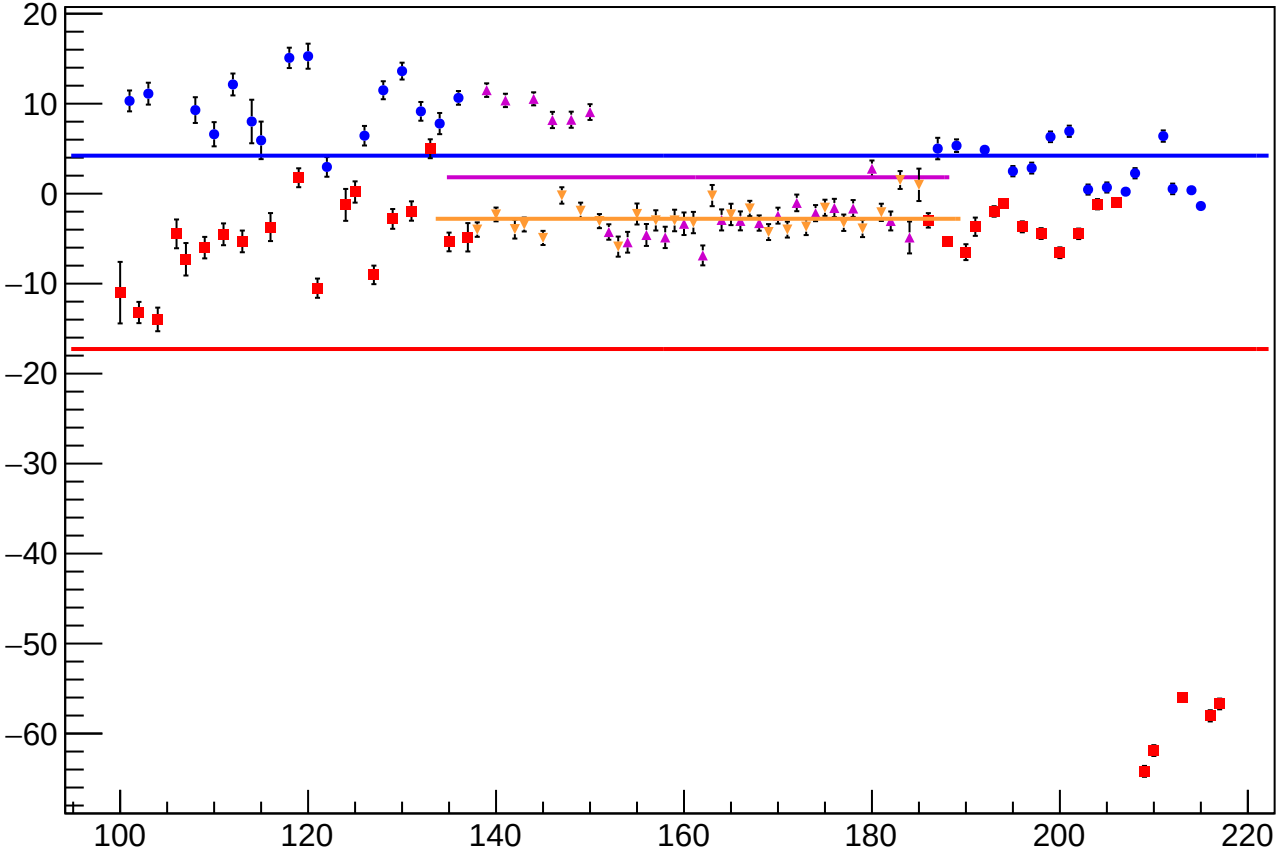
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3538.624+/-0.412 χ^2/NDF: 3255407.4/55

All: 3557.415+/-0.292 χ^2/NDF: 6095710.8/11

- sign 3576.323+/-0.413 χ^2/NDF: 2836129.2/58

diff_bpm2i01X_mean vs Slug



Right In: 4.222+/-0.135 χ^2/NDF: 946.8/30

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -17.266+/-0.131 χ^2/NDF: 33860.8/35

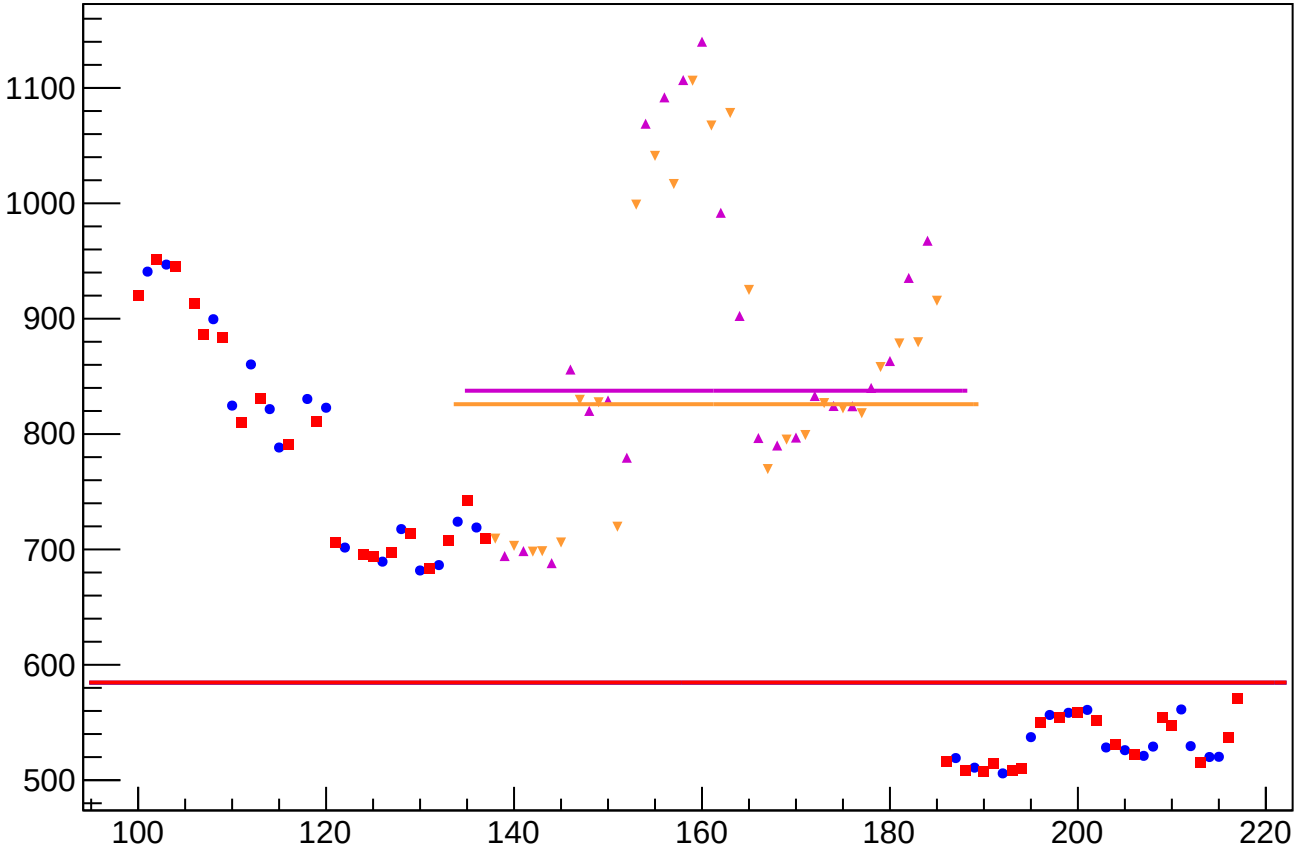
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.863+/-0.110 χ^2/NDF: 1919.2/55

All: -4.881+/-0.078 χ^2/NDF: 50678.3/114

- sign -11.484+/-0.109 χ^2/NDF: 41352.8/58

diff_bpm2i01X_rms vs Slug



Right In: 584.488+/-0.096 χ^2/NDF: 1291842.7/30

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 584.650+/-0.092 χ^2/NDF: 1398069.0/35

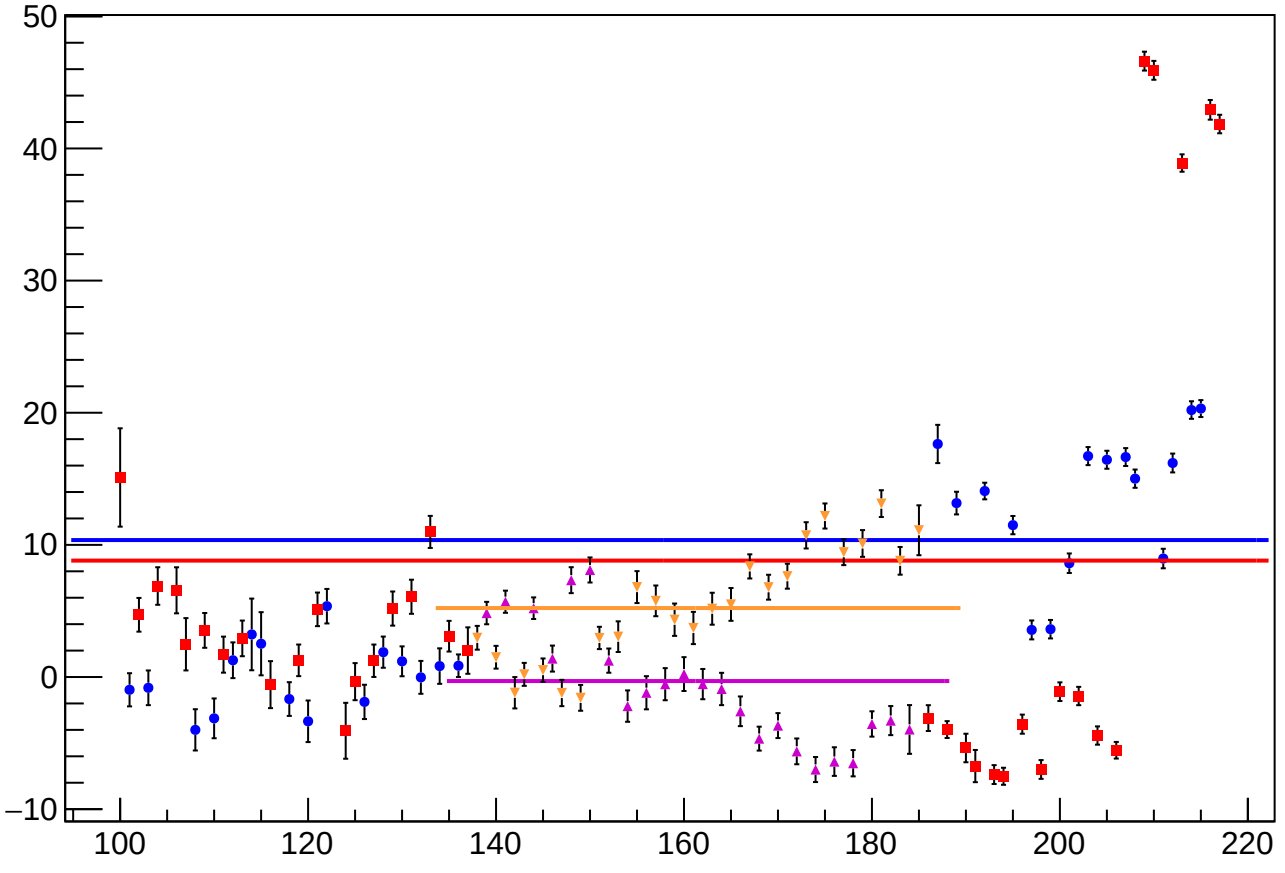
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 665.689+/-0.078 χ^2/NDF: 4197671.9/55

All: 663.461+/-0.055 χ^2/NDF: 8582297.9/114

- sign 661.279+/-0.077 χ^2/NDF: 4383008.2/58

diff_bpm2i01Y_mean vs Slug



Right In: 10.364+/-0.161 χ^2/NDF: 2101.6/30

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 8.810+/-0.155 χ^2/NDF: 16374.1/35

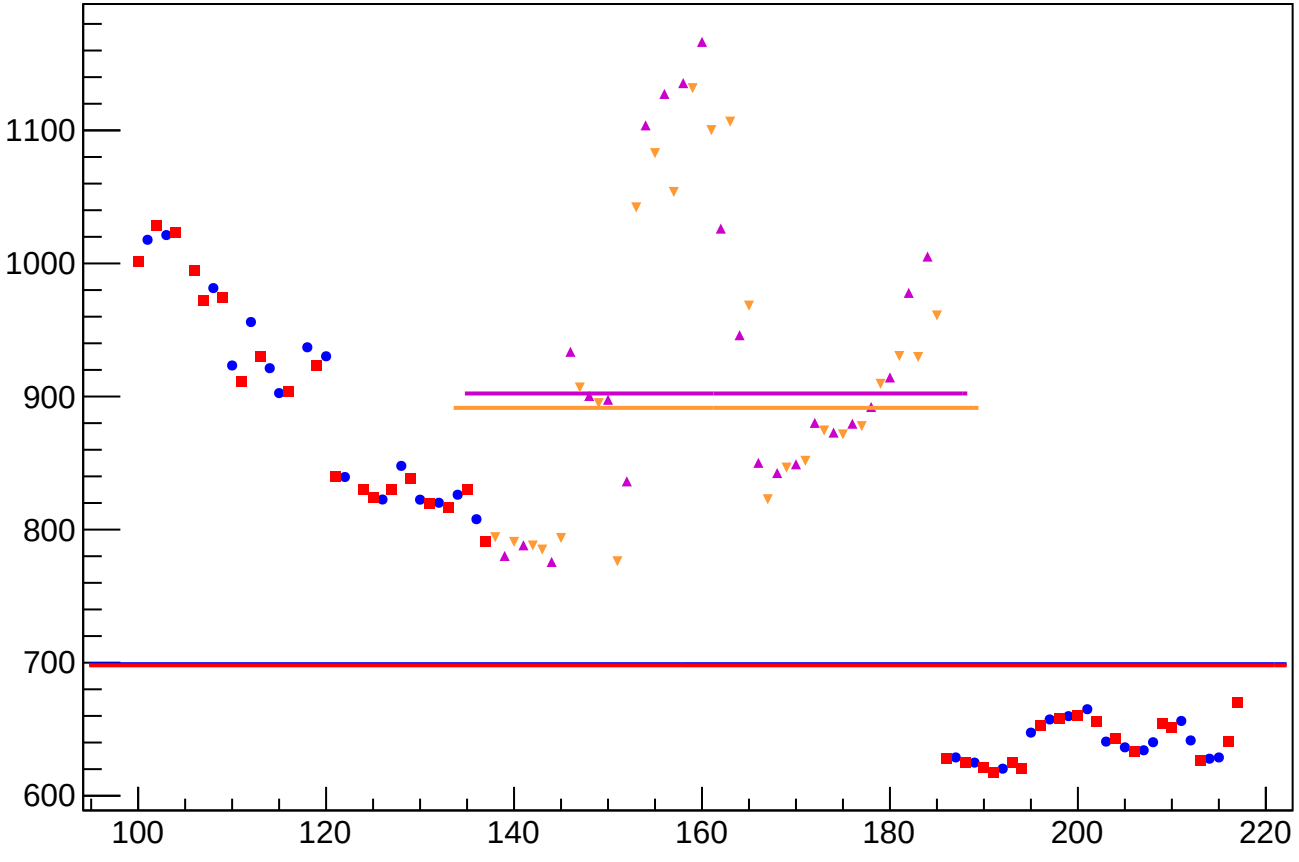
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 8.392+/-0.127 χ^2/NDF: 2942.5/55

All: 7.004+/-0.089 χ^2/NDF: 21248.6/114

\- sign 5.640+/-0.125 χ^2/NDF: 18067.4/58

diff_bpm2i01Y_rms vs Slug



Right In: 698.885+/-0.114 χ^2/NDF: 948723.6/30

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 698.012+/-0.110 χ^2/NDF: 1028257.9/35

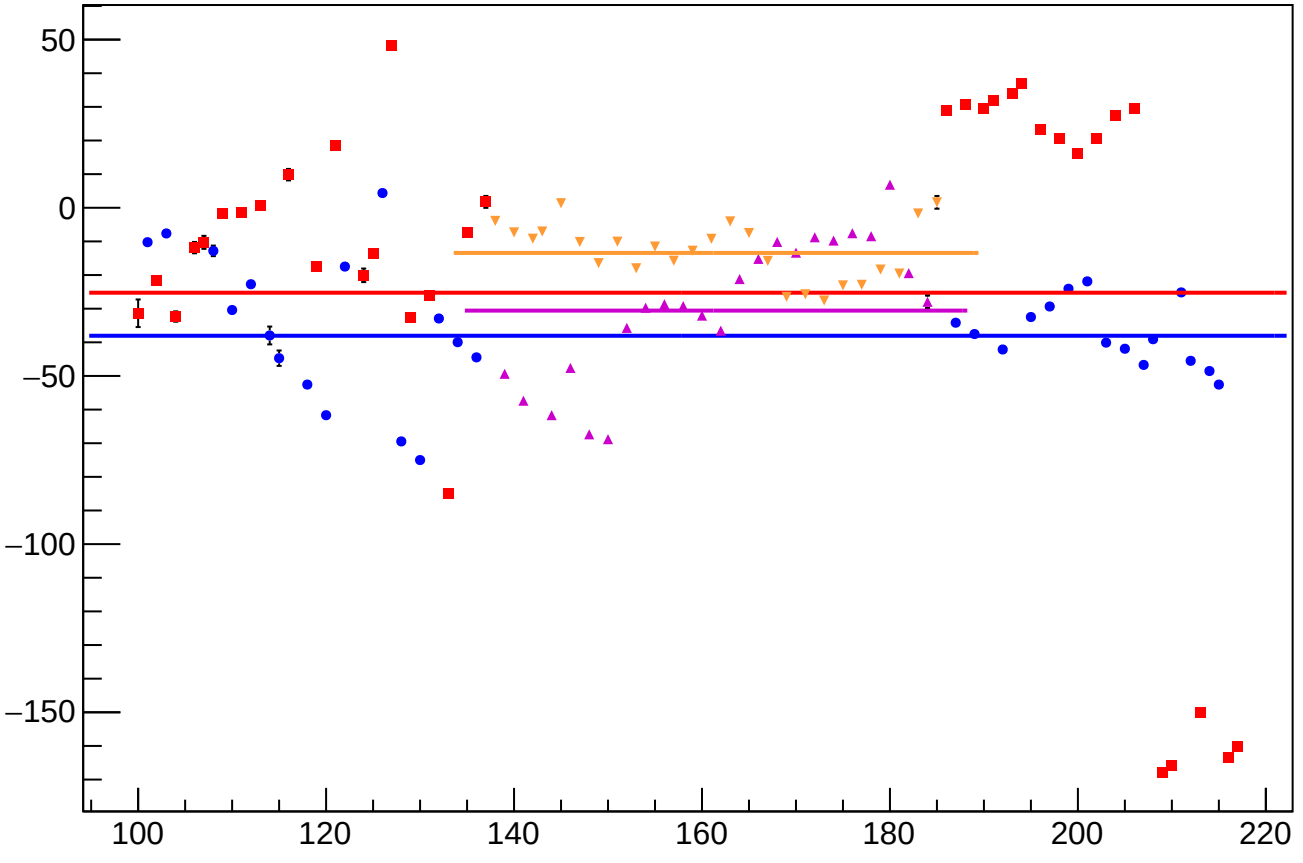
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 772.698+/-0.089 χ^2/NDF: 2562143.1/55

All: 770.864+/-0.063 χ^2/NDF: 5279789.6/114

- sign 769.062+/-0.089 χ^2/NDF: 2716813.5/58

diff_bpm2i02X_mean vs Slug



Right In: -38.049+/-0.159 χ^2/NDF: 7703.5/30

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -25.251+/-0.153 χ^2/NDF: 255256.7/35

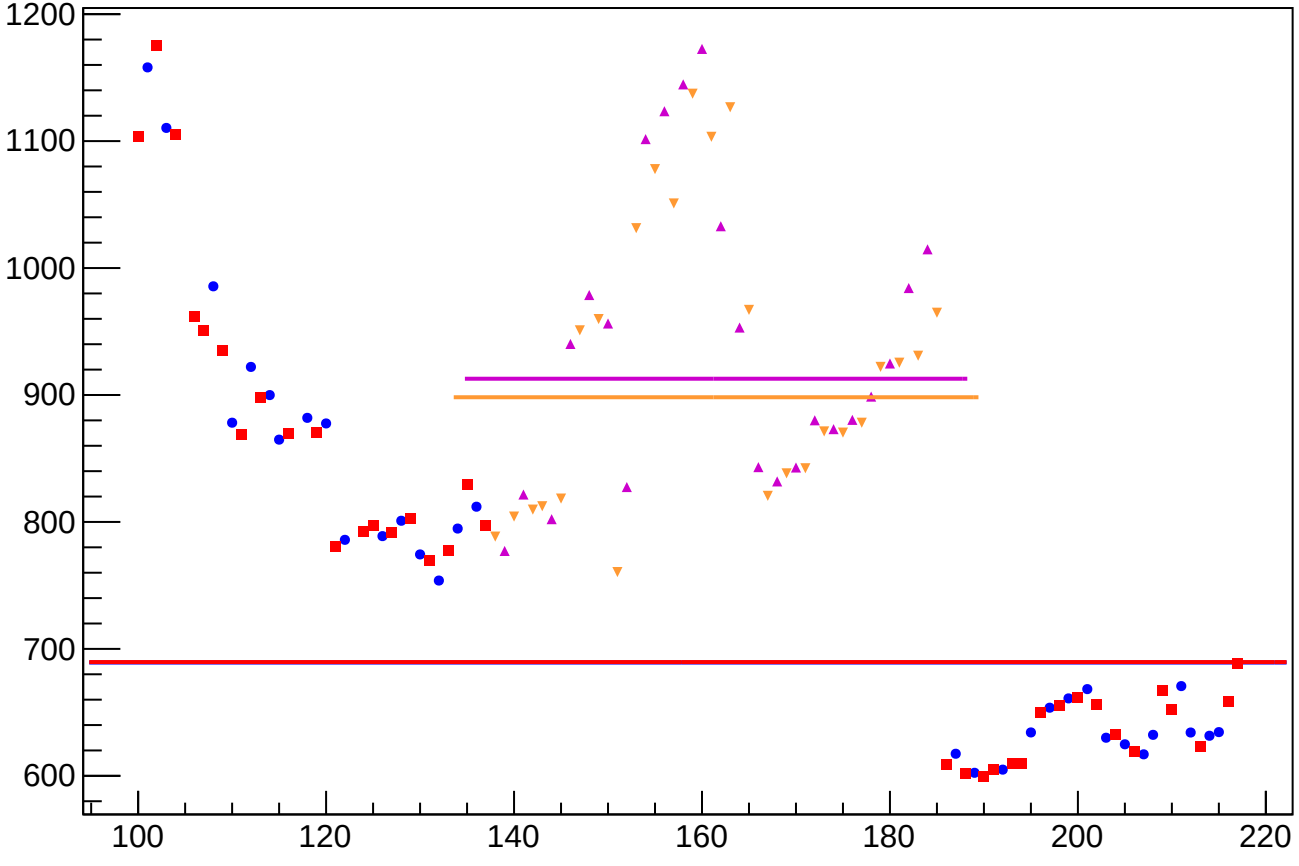
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -28.857+/-0.126 χ^2/NDF: 18330.2/55

All: -27.945+/-0.089 χ^2/NDF: 284483.0/114

- sign -27.045+/-0.125 χ^2/NDF: 266048.4/58

diff_bpm2i02X_rms vs Slug



Right In: 689.260+/-0.112 χ^2/NDF: 989184.0/30

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.619+/-0.109 χ^2/NDF: 1063050.8/35

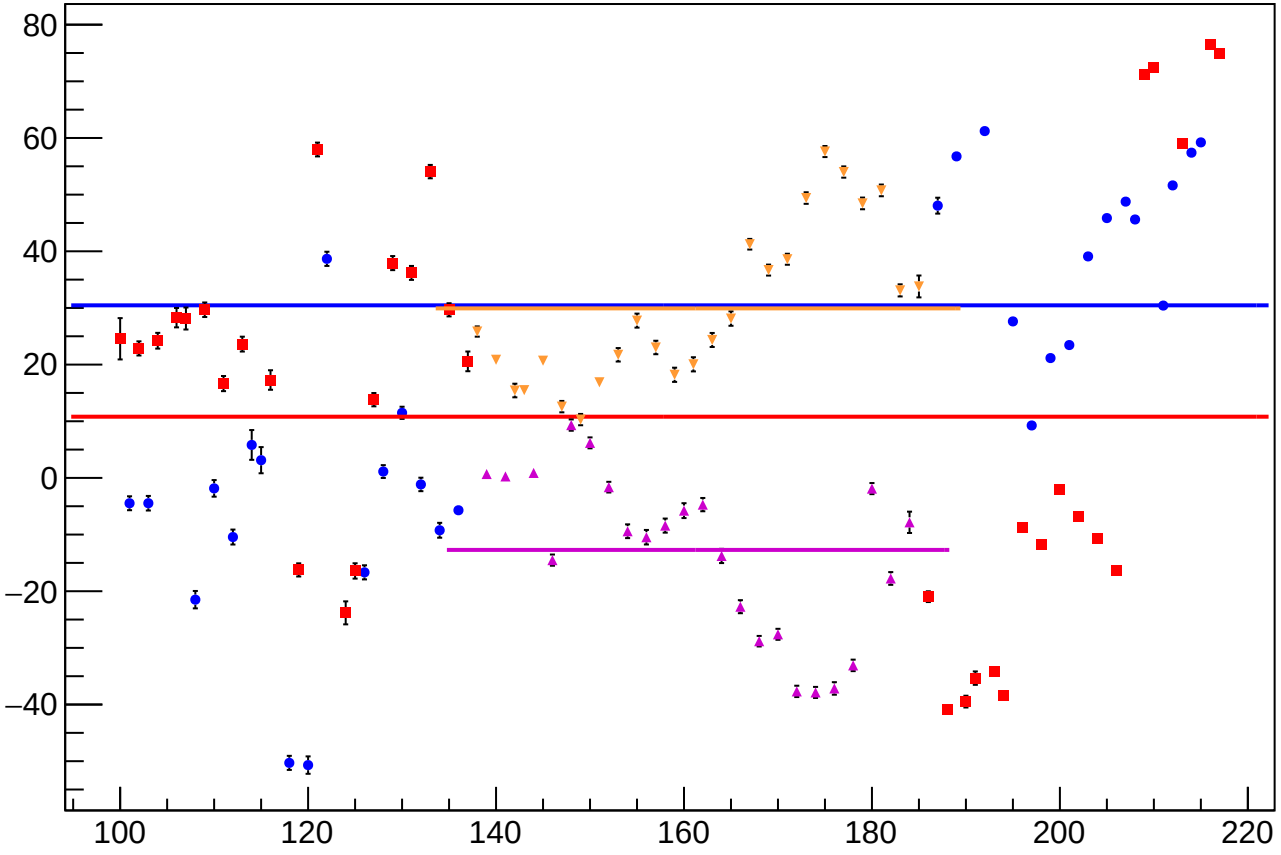
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 767.253+/-0.089 χ^2/NDF: 2798050.9/55

All: 766.053+/-0.063 χ^2/NDF: 5767894.5/114

- sign 764.870+/-0.088 χ^2/NDF: 2969482.4/58

diff_bpm2i02Y_mean vs Slug



Right In: 30.461+/-0.157 χ^2/NDF: 28915.5/30

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 10.805+/-0.151 χ^2/NDF: 72099.9/35

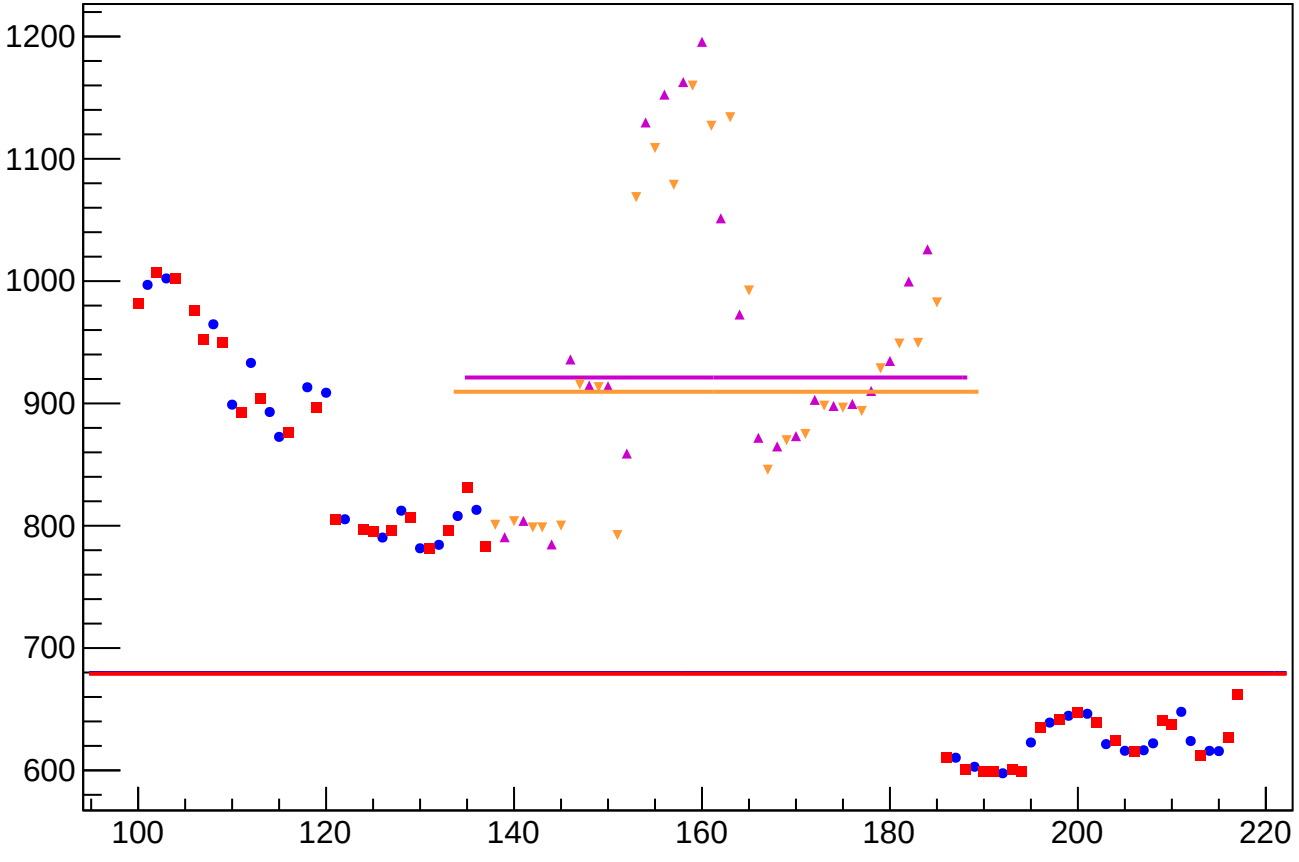
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 30.267+/-0.125 χ^2/NDF: 33500.2/55

All: 16.566+/-0.088 χ^2/NDF: 141989.8/114

- sign 3.137+/-0.124 χ^2/NDF: 84793.7/58

diff_bpm2i02Y_rms vs Slug



Right In: 679.557+/-0.111 χ^2/NDF: 965784.5/30

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 678.969+/-0.107 χ^2/NDF: 1043112.9/35

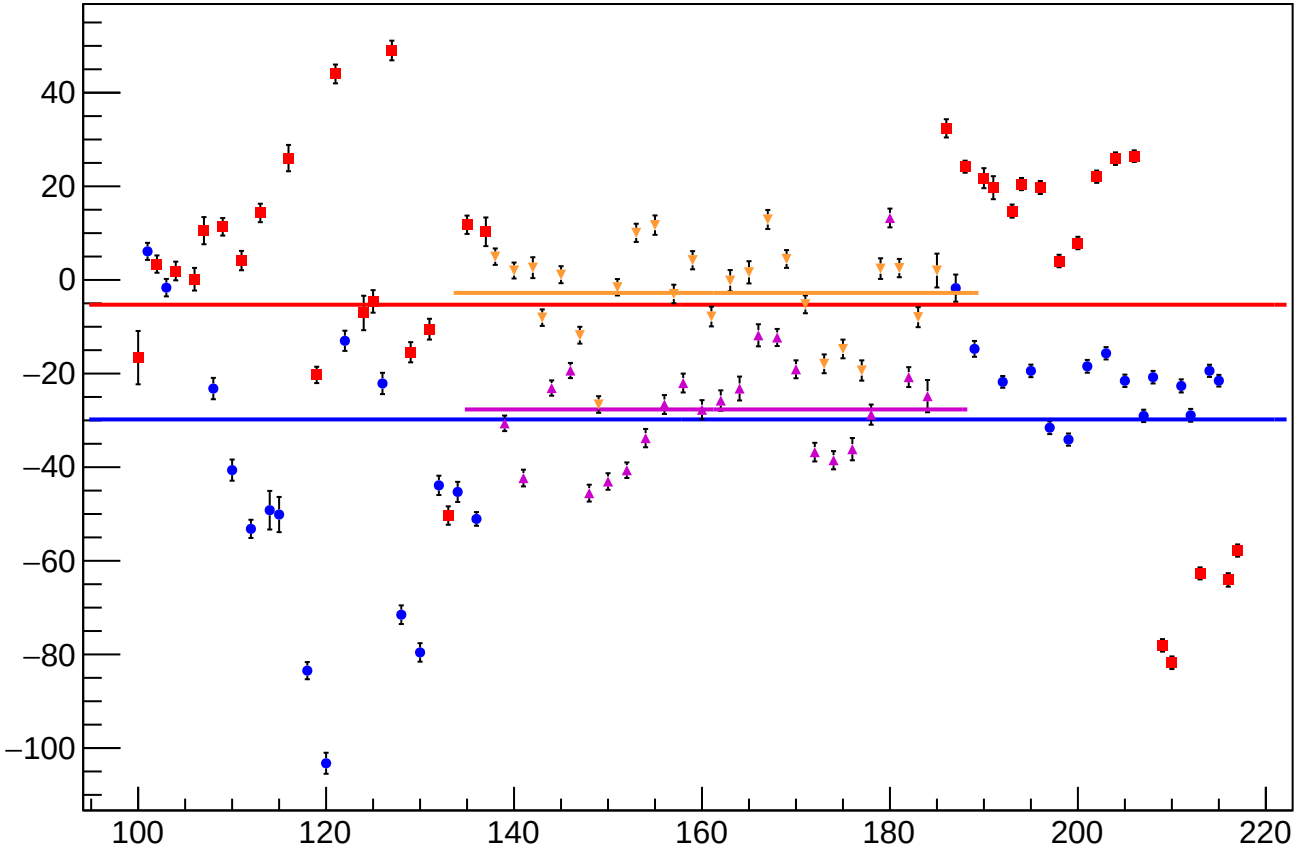
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 762.503+/-0.089 χ^2/NDF: 3062603.5/55

All: 760.210+/-0.062 χ^2/NDF: 6281795.7/114

- sign 757.964+/-0.088 χ^2/NDF: 3217865.7/58

diff_bpm0i02X_mean vs Slug



Right In: -29.798+/-0.294 χ^2/NDF: 4910.1/30

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -5.295+/-0.283 χ^2/NDF: 17732.5/35

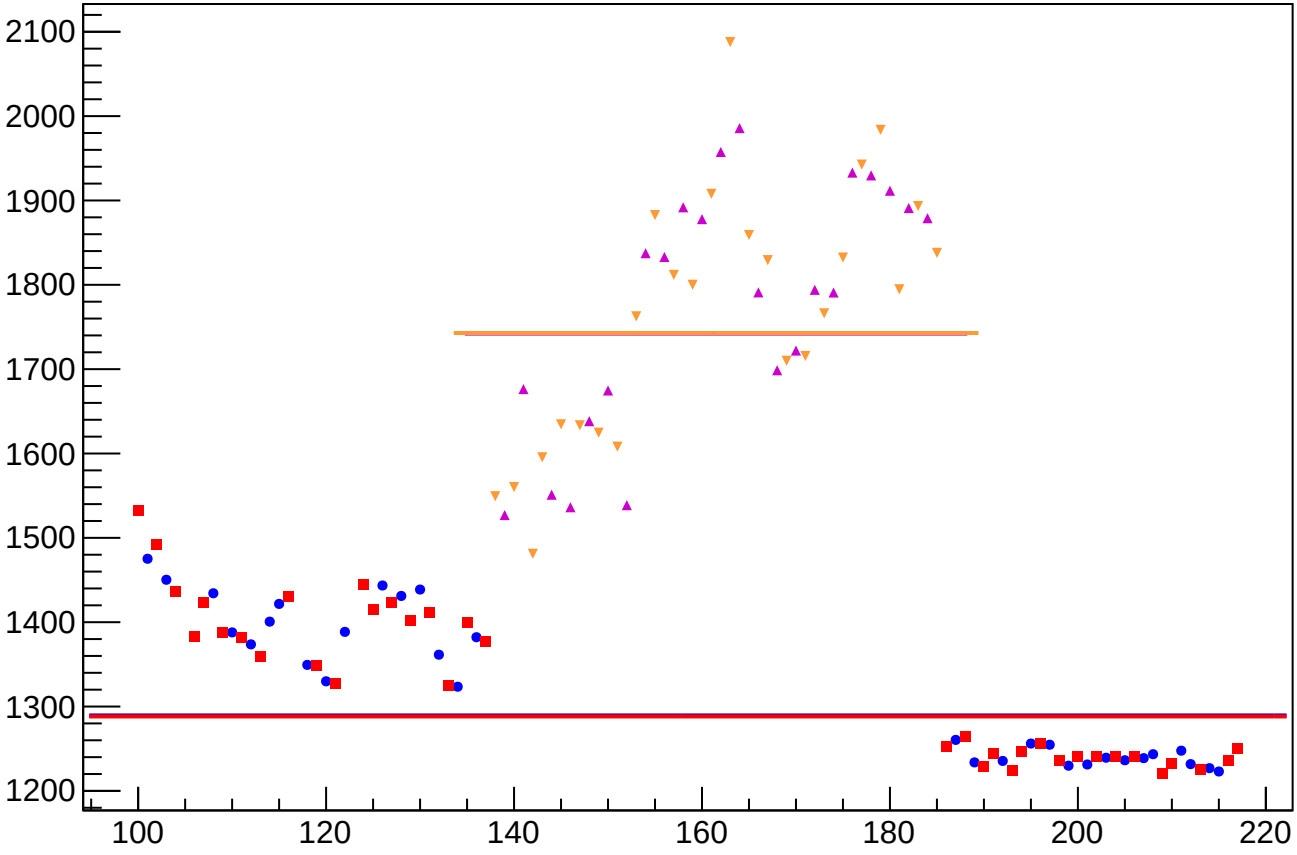
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

+ sign -20.238+/-0.236 χ^2/NDF: 8516.4/55

All: -16.344+/-0.166 χ^2/NDF: 29796.4/114

- sign -12.560+/-0.233 χ^2/NDF: 20744.6/58

diff_bpm0i02X_rms vs Slug



Right In: 1289.448+/-0.208 χ^2/NDF: 147339.5/30

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

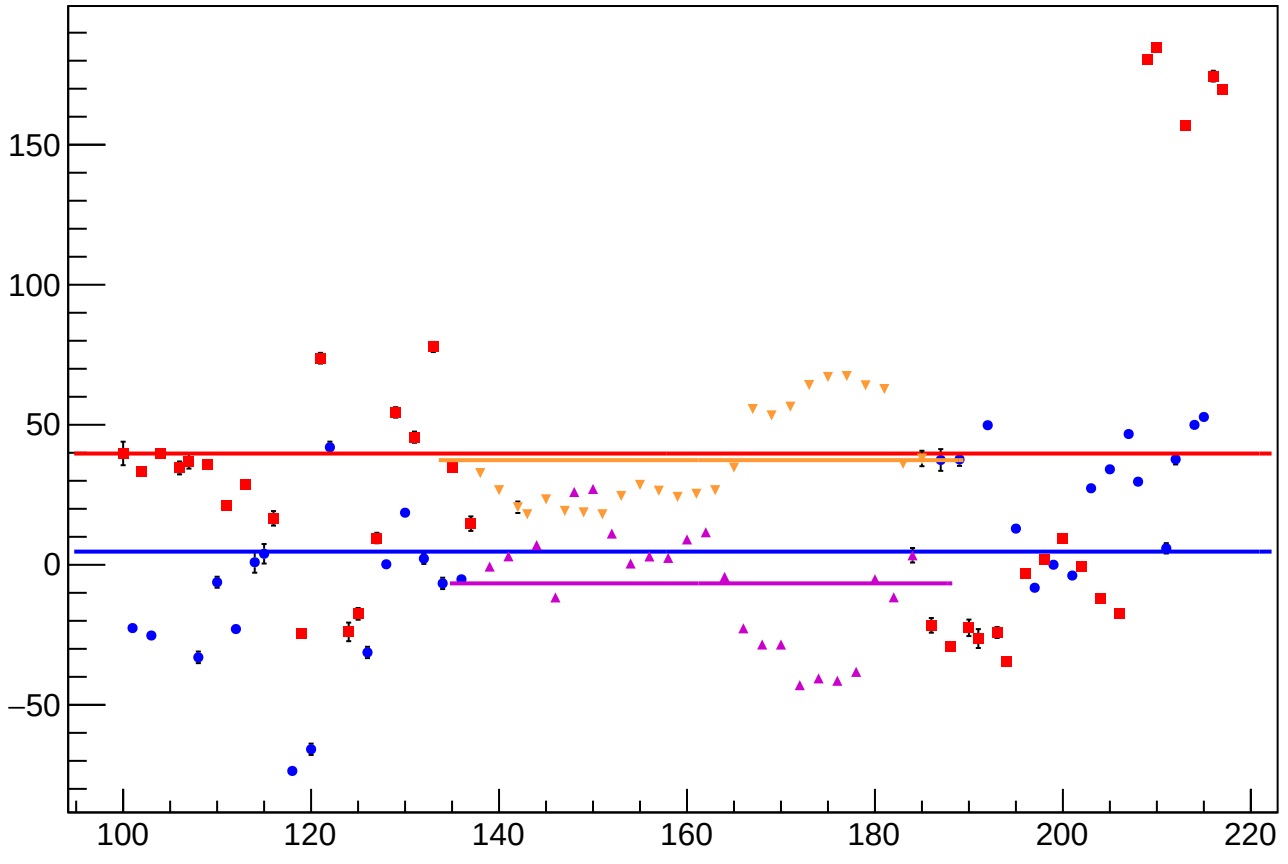
Right Out: 1288.260+/-0.200 χ^2/NDF: 147231.2/35

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1449.800+/-0.167 χ^2/NDF: 2092971.0/55

All: 1442.643+/-0.117 χ^2/NDF: 4170736.2/11

- sign 1435.691+/-0.165 χ^2/NDF: 2074150.2/58



Right In: 4.715+/-0.327 χ^2/NDF: 9645.4/30

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 39.732+/-0.316 χ^2/NDF: 44048.2/35

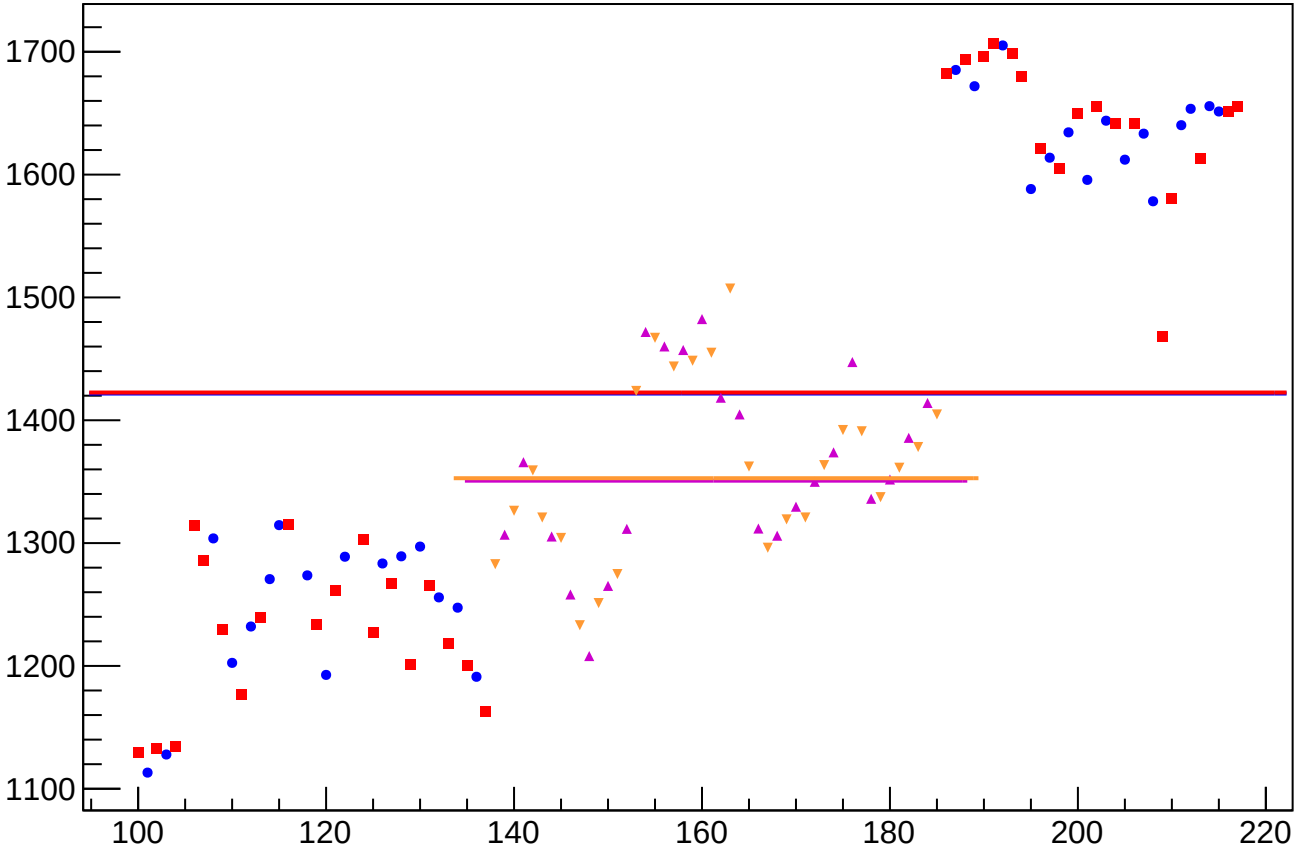
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 22.035+/-0.224 χ^2/NDF: 18324.0/55

All: 19.282+/-0.158 χ^2/NDF: 77839.1/114

\- sign 16.546+/-0.224 χ^2/NDF: 59214.5/58

diff_bpm0i02Y_rms vs Slug



Right In: 1421.753+/-0.231 χ^2/NDF: 834135.2/30

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1422.590+/-0.224 χ^2/NDF: 933879.8/35

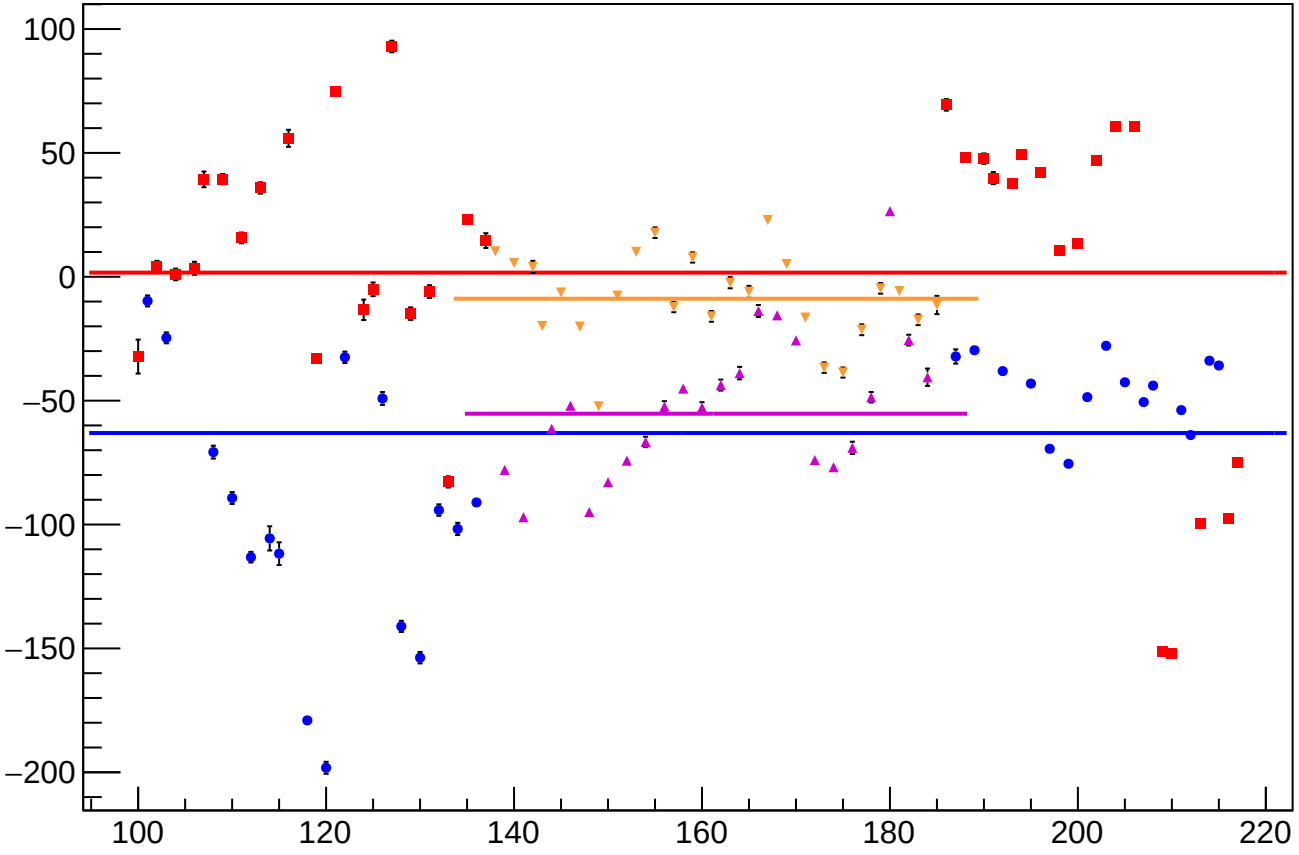
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1385.189+/-0.159 χ^2/NDF: 986064.1/55

All: 1385.948+/-0.112 χ^2/NDF: 2080142.0/11

- sign 1386.702+/-0.158 χ^2/NDF: 1094032.3/58

diff_bpm0i02aX_mean vs Slug



Right In: -63.069+/-0.332 χ^2/NDF: 14728.5/30

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 1.678+/-0.317 χ^2/NDF: 44779.9/35

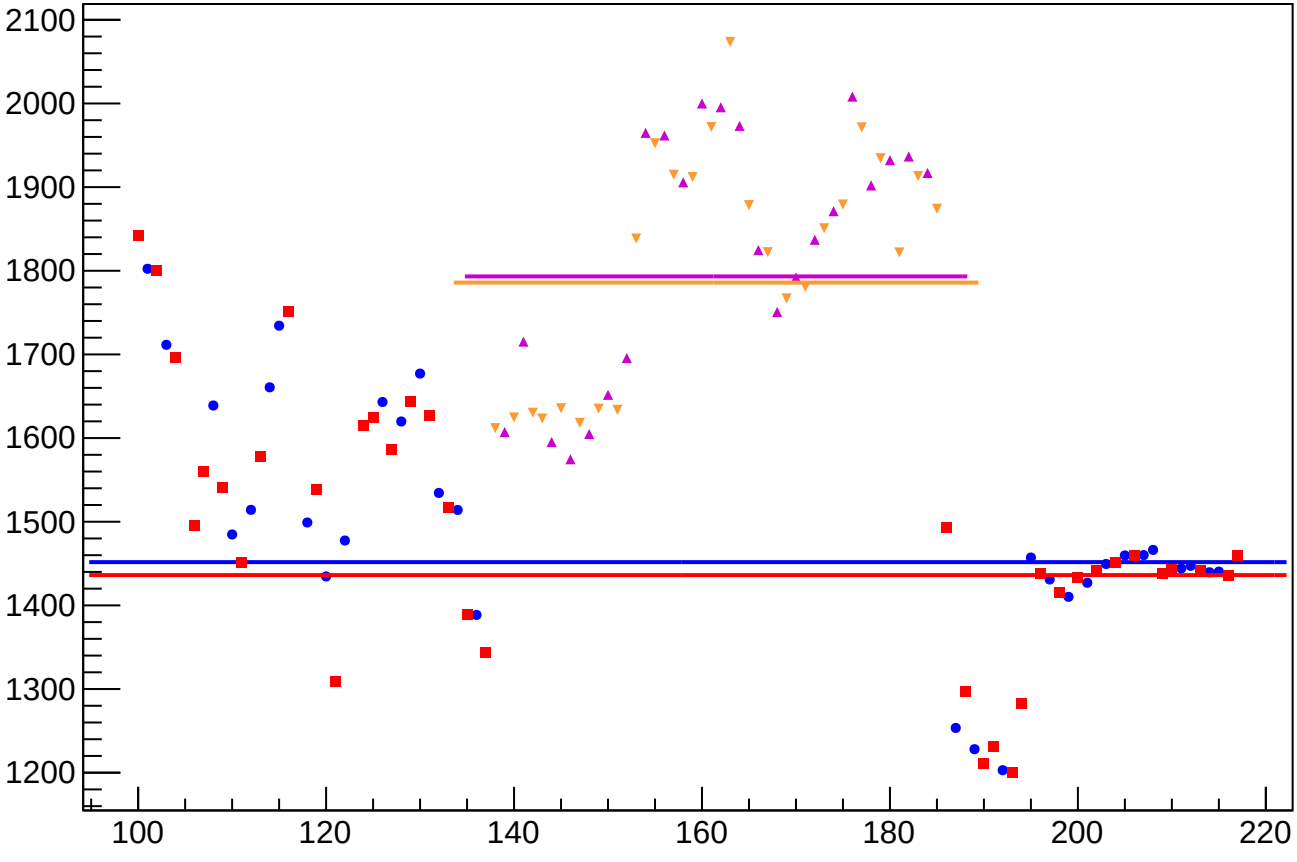
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -41.453+/-0.257 χ^2/NDF: 27338.9/55

All: -30.015+/-0.180 χ^2/NDF: 92450.1/114

- sign -18.940+/-0.253 χ^2/NDF: 61216.1/58

diff_bpm0i02aX_rms vs Slug



Right In: 1451.695+/-0.234 χ^2/NDF: 282047.1/30

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.202+/-0.224 χ^2/NDF: 331455.5/35

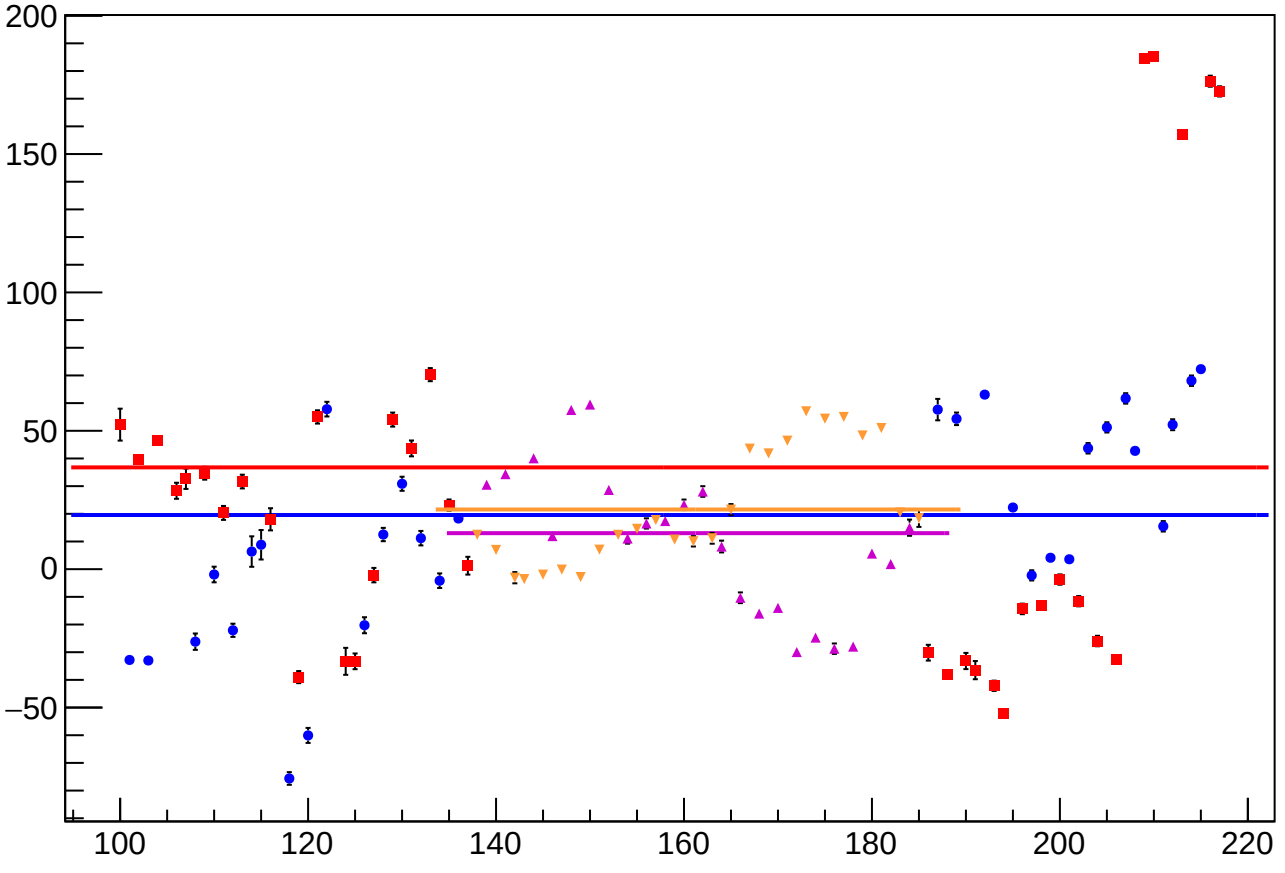
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1584.934+/-0.182 χ^2/NDF: 1329084.6/55

All: 1575.050+/-0.128 χ^2/NDF: 2839100.1/11

- sign 1565.478+/-0.179 χ^2/NDF: 1504197.6/58

diff_bpm0i02aY_mean vs Slug



Right In: 19.572+/-0.381 χ^2/NDF: 9690.5/30

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 36.778+/-0.364 χ^2/NDF: 47065.9/35

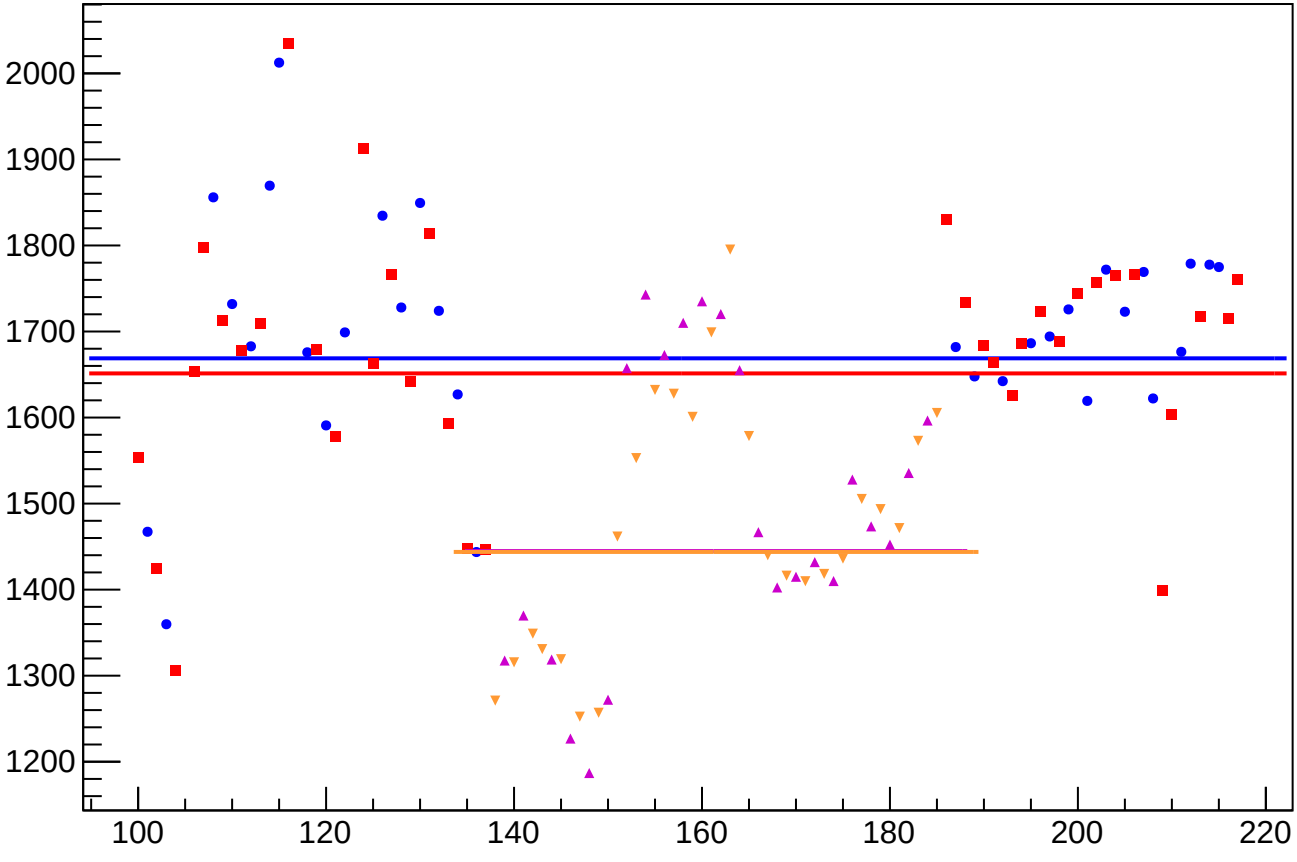
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 20.713+/-0.250 χ^2/NDF: 13866.9/55

All: 22.400+/-0.176 χ^2/NDF: 69924.5/114

- sign 24.074+/-0.249 χ^2/NDF: 55966.5/58

diff_bpm0i02aY_rms vs Slug



Right In: 1668.831+/-0.270 χ^2/NDF: 211024.1/30

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1651.299+/-0.258 χ^2/NDF: 291045.9/35

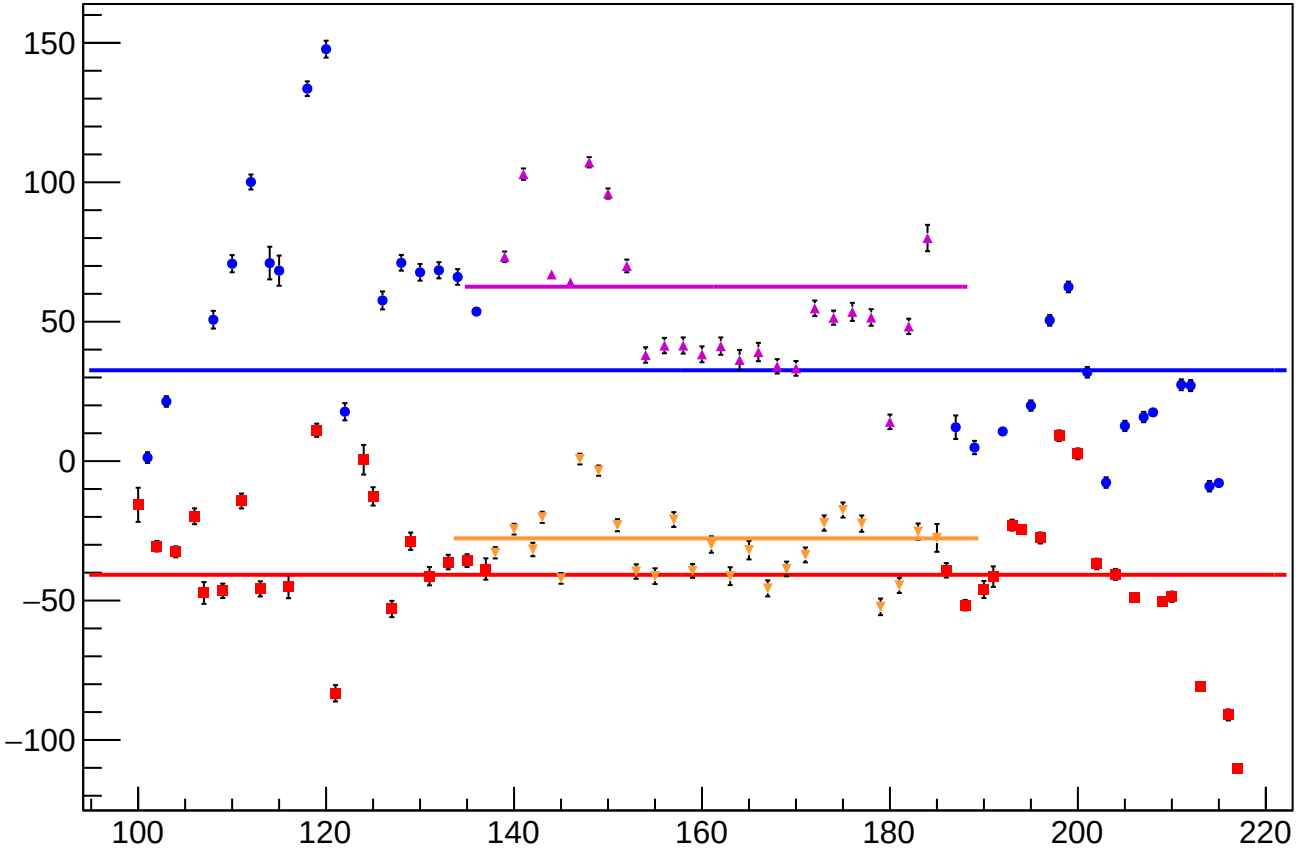
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1540.140+/-0.176 χ^2/NDF: 961621.0/55

All: 1540.532+/-0.125 χ^2/NDF: 2081161.9/11

- sign 1540.921+/-0.176 χ^2/NDF: 1119531.1/58

diff_bpm0i05X_mean vs Slug



Right In: 32.587+/-0.403 χ^2/NDF: 7393.2/30

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -40.763+/-0.384 χ^2/NDF: 5242.4/35

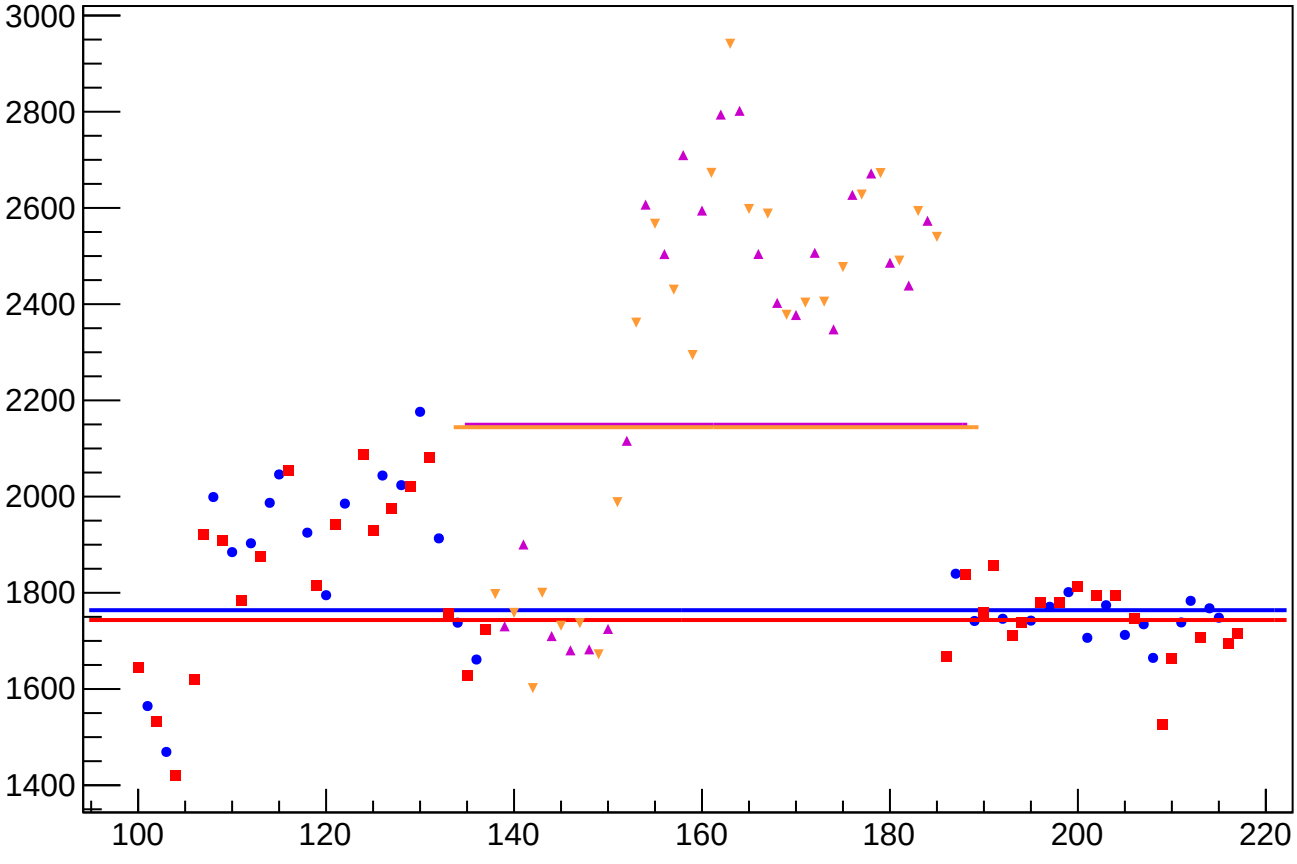
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.627+/-0.313 χ^2/NDF: 17057.4/55

All: 2.459+/-0.219 χ^2/NDF: 51582.7/114

- sign -3.497+/-0.307 χ^2/NDF: 33760.7/58

diff_bpm0i05X_rms vs Slug



Right In: 1763.864+/-0.285 χ^2/NDF: 210701.2/30

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1743.409+/-0.272 χ^2/NDF: 248525.0/35

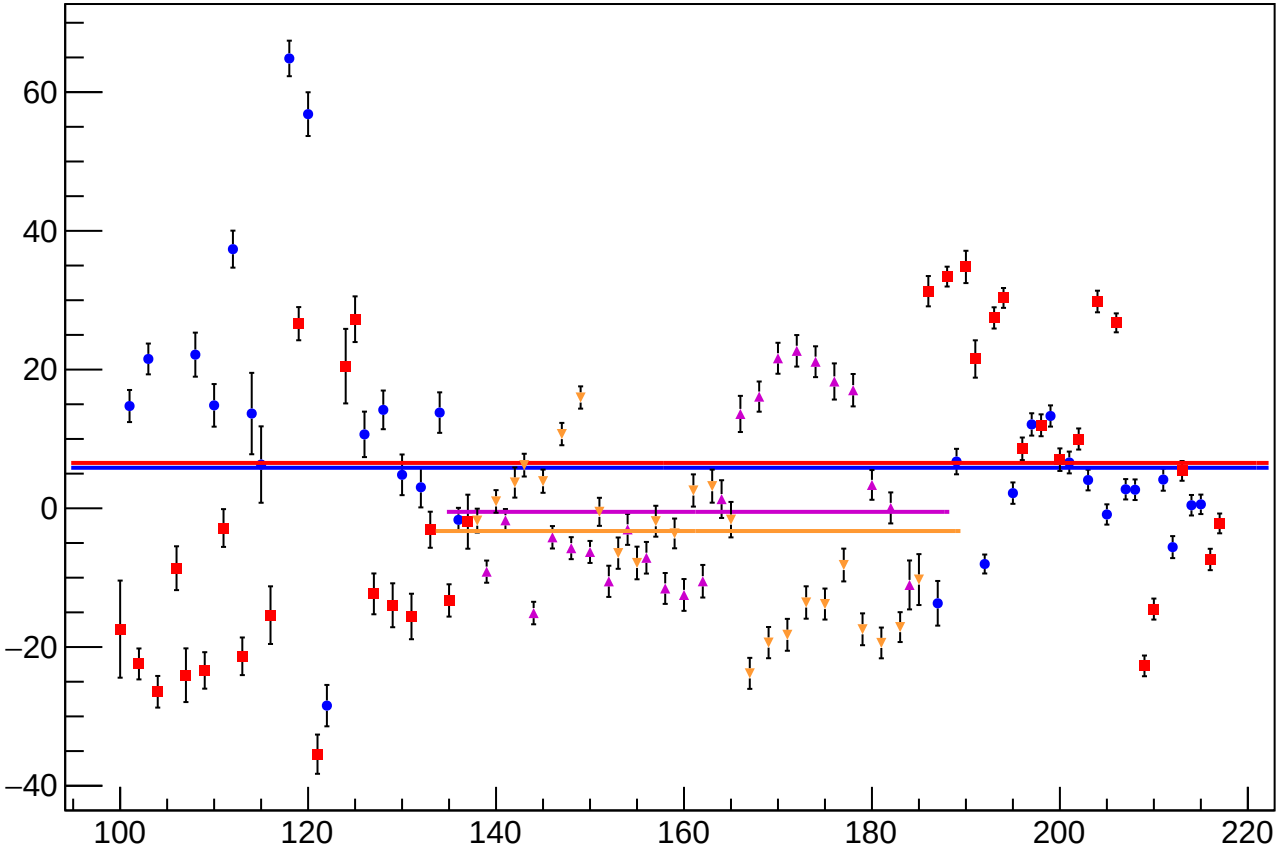
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1915.049+/-0.221 χ^2/NDF: 2199096.4/55

All: 1902.217+/-0.155 χ^2/NDF: 4524546.4/11

- sign 1889.824+/-0.217 χ^2/NDF: 2318830.7/58

diff_bpm0i05Y_mean vs Slug



Right In: 5.846+/-0.349 χ^2/NDF: 1500.8/30

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 6.543+/-0.334 χ^2/NDF: 3586.6/35

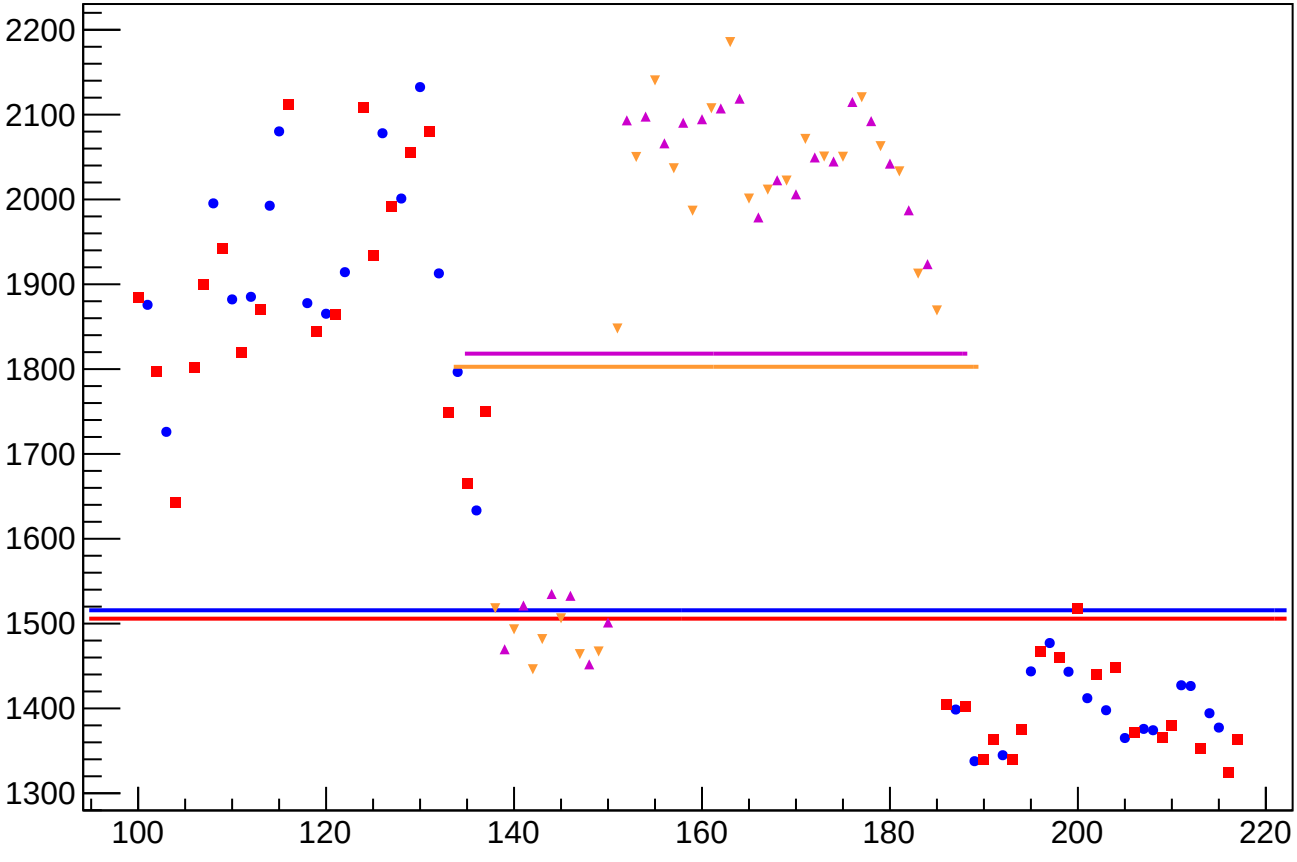
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.068+/-0.267 χ^2/NDF: 2455.3/55

All: 2.987+/-0.188 χ^2/NDF: 6979.1/114

- sign 3.885+/-0.264 χ^2/NDF: 4500.3/58

diff_bpm0i05Y_rms vs Slug



Right In: 1515.703+/-0.247 χ^2/NDF: 773319.8/30

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1505.809+/-0.236 χ^2/NDF: 789608.2/35

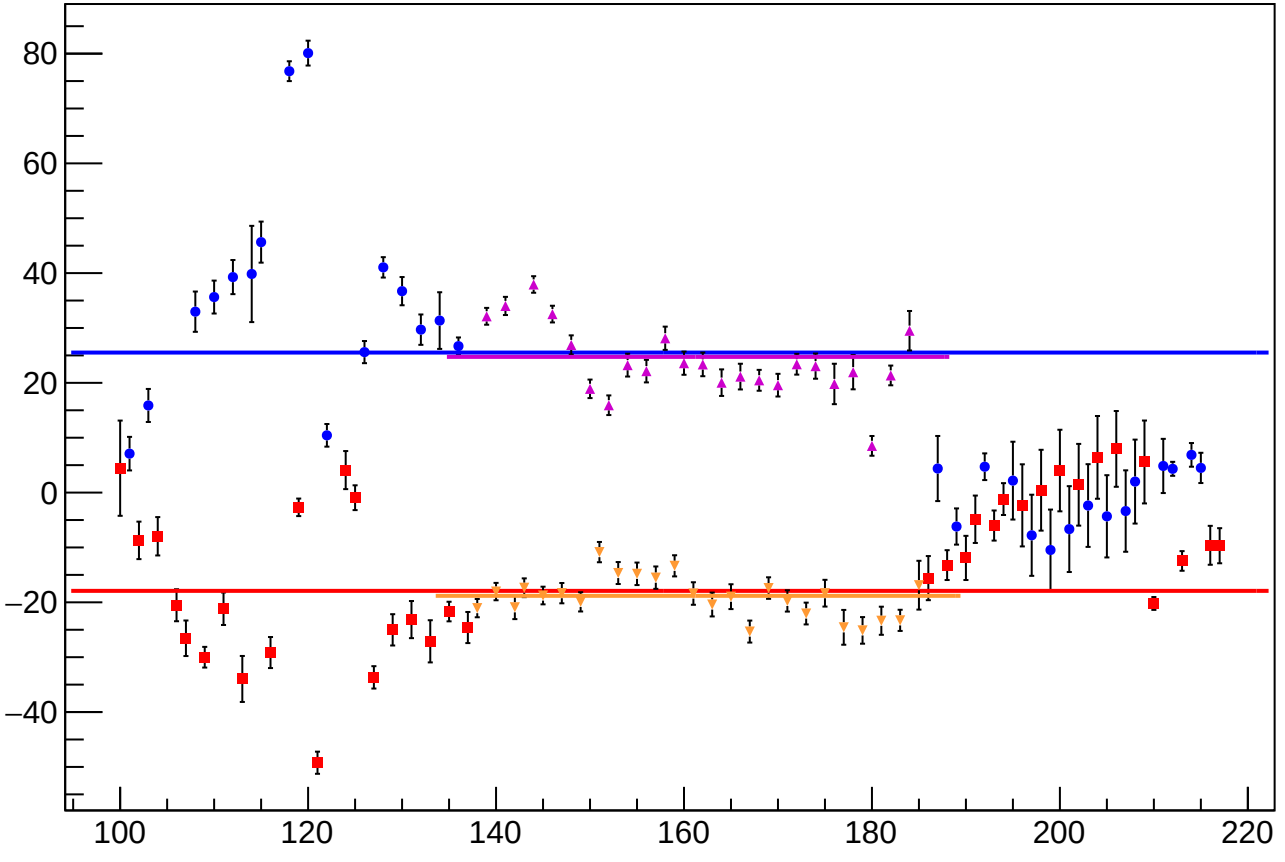
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1634.605+/-0.189 χ^2/NDF: 2232152.8/55

All: 1629.011+/-0.133 χ^2/NDF: 4522409.8/11

- sign 1623.543+/-0.187 χ^2/NDF: 2288519.1/58

diff_bpm0i07X_mean vs Slug



Right In: 25.519+/-0.499 χ^2/NDF: 2375.5/30

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -17.912+/-0.459 χ^2/NDF: 767.4/35

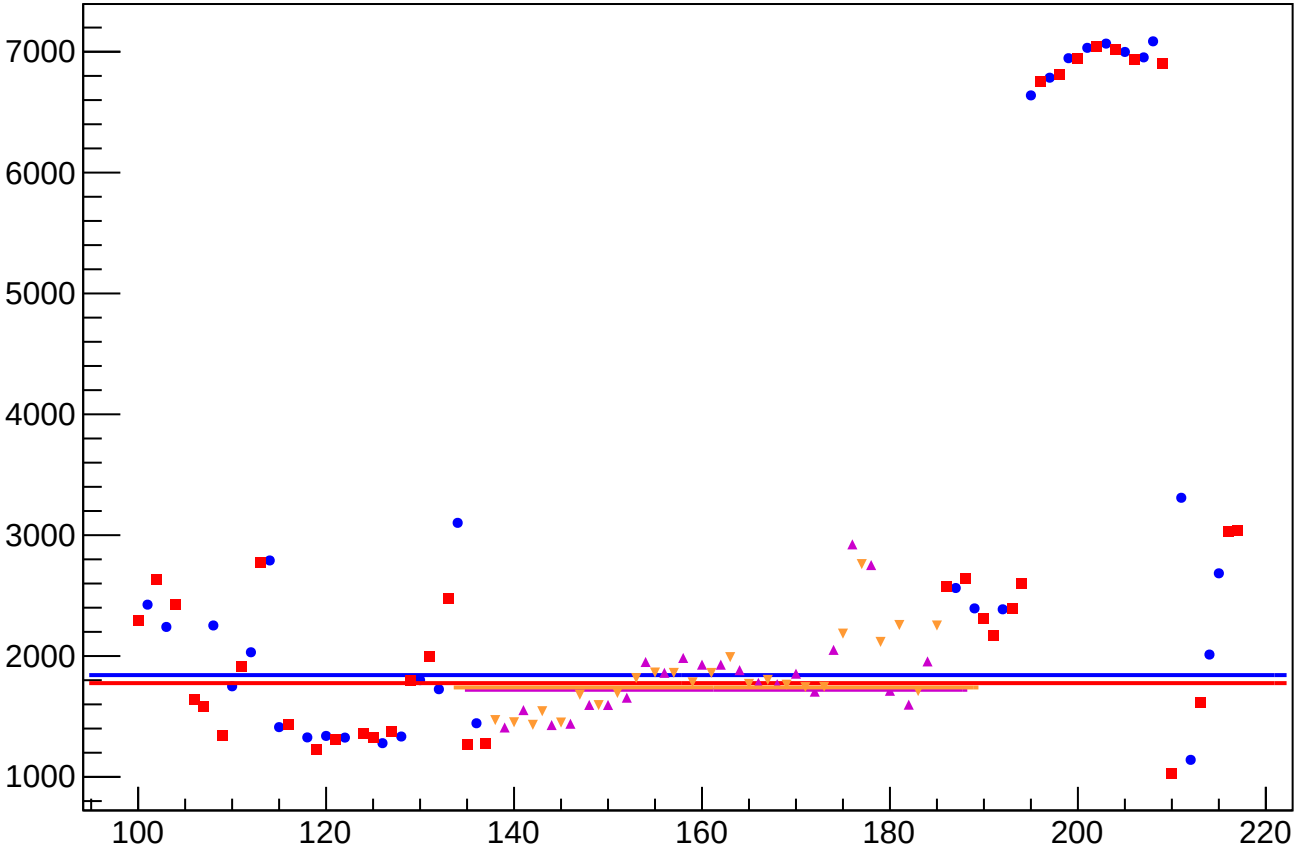
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -1.365+/-0.313 χ^2/NDF: 7239.5/55

All: 2.334+/-0.218 χ^2/NDF: 13405.8/114

\- sign 5.851+/-0.305 χ^2/NDF: 5893.7/58

diff_bpm0i07X_rms vs Slug



Right In: 1842.257+/-0.353 χ^2/NDF: 9747327.2/30

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1775.862+/-0.324 χ^2/NDF: 10072661.0/35

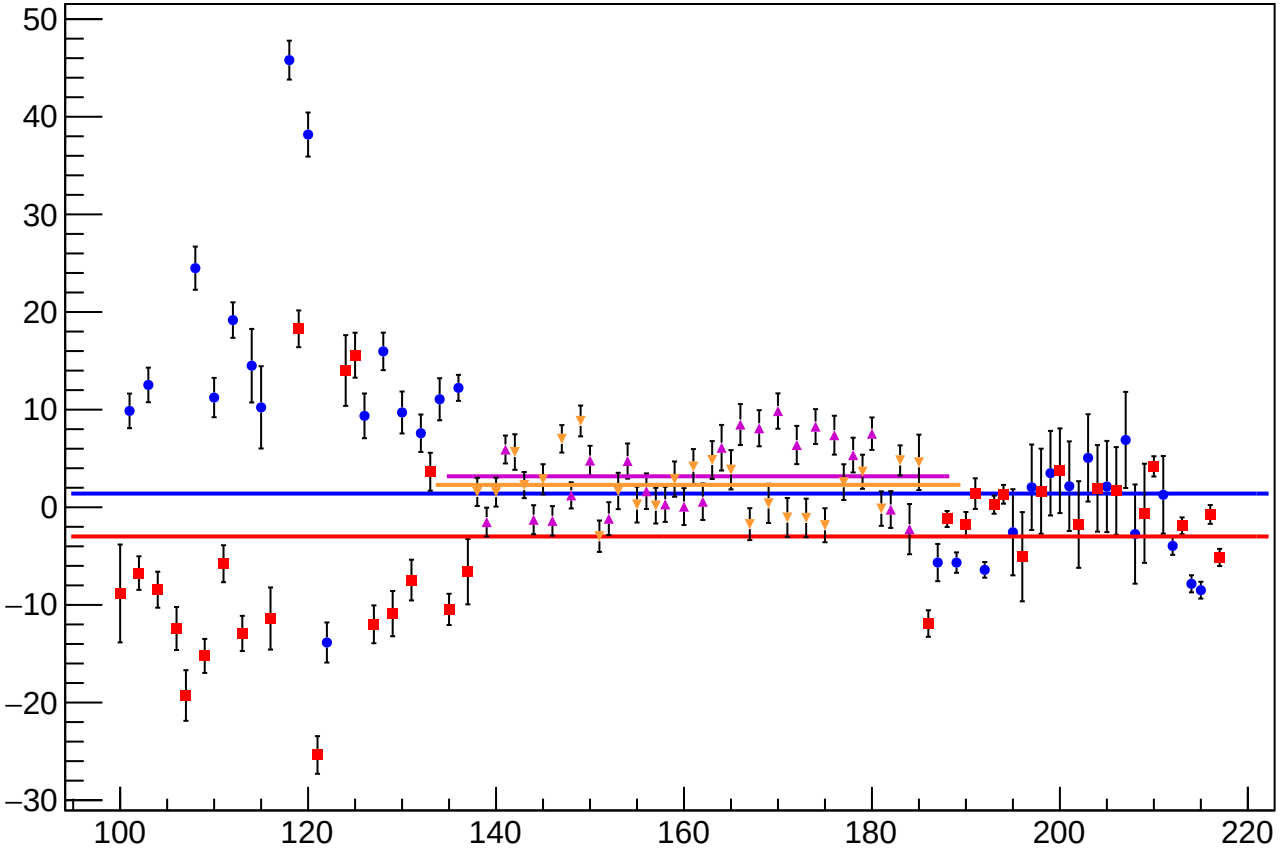
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1780.303+/-0.221 χ^2/NDF: 10551571.3/55

All: 1762.314+/-0.154 χ^2/NDF: 21537138.9/1

- sign 1745.214+/-0.216 χ^2/NDF: 10972680.4/58

diff_bpm0i07Y_mean vs Slug



Right In: 1.404+/-0.302 χ^2/NDF: 1740.5/30

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -2.988+/-0.262 χ^2/NDF: 739.4/35

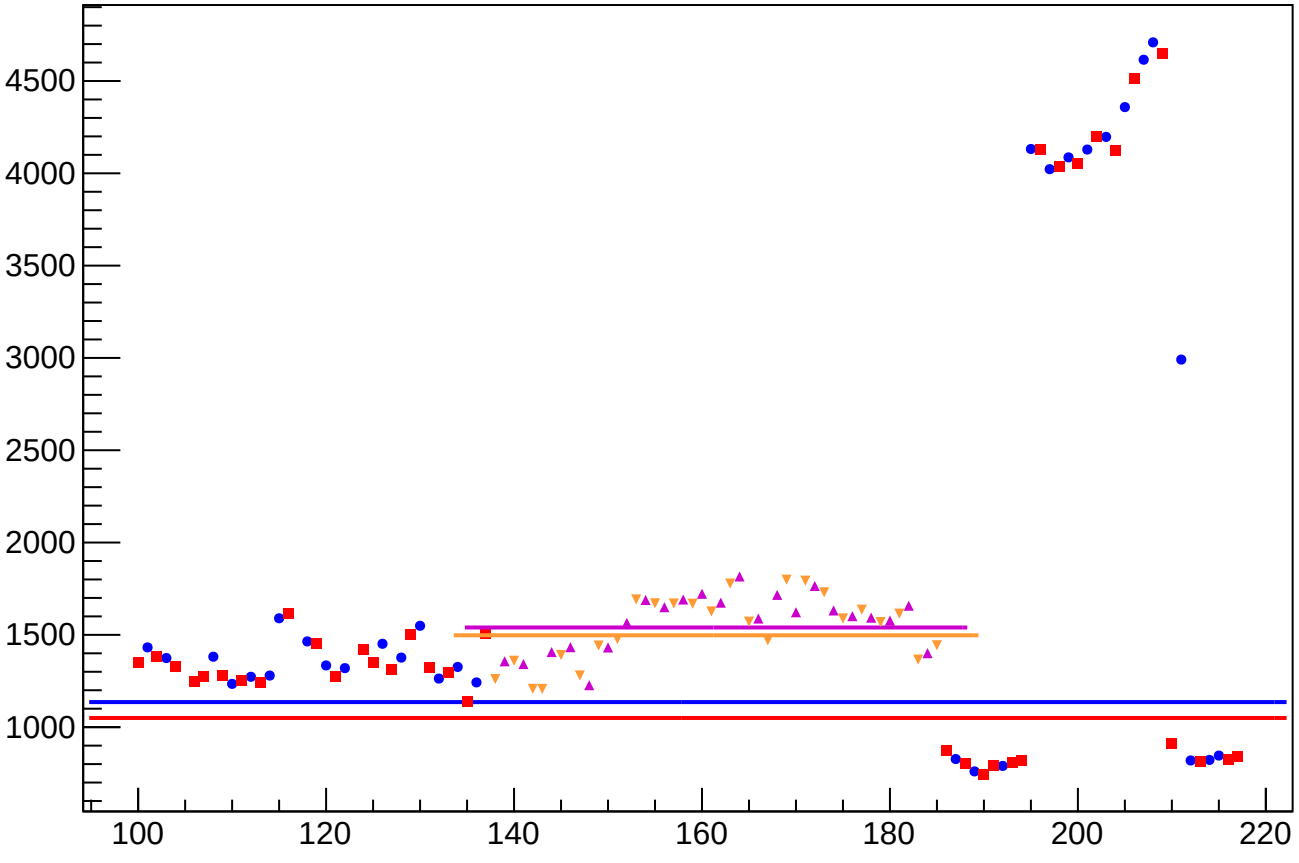
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 1.792+/-0.227 χ^2/NDF: 1817.8/55

All: 0.371+/-0.155 χ^2/NDF: 2931.0/114

- sign -0.874+/-0.212 χ^2/NDF: 1039.6/58

diff_bpm0i07Y_rms vs Slug



Right In: 1135.807+/-0.214 χ^2/NDF: 9710626.0/30

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

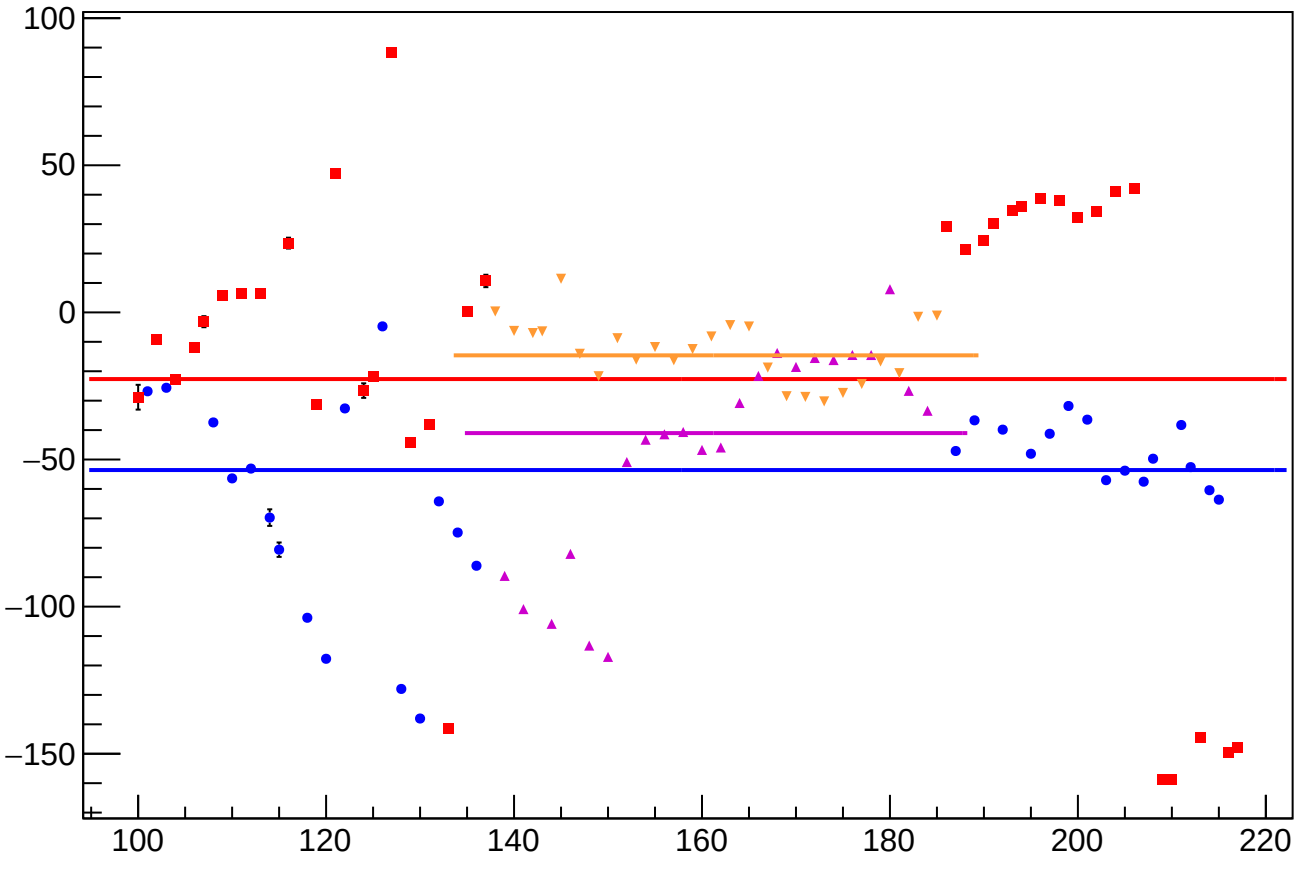
Right Out: 1049.780+/-0.185 χ^2/NDF: 8700961.2/35

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1293.637+/-0.160 χ^2/NDF: 11531342.6/55

All: 1253.322+/-0.110 χ^2/NDF: 23133109.8/1

- sign 1217.994+/-0.150 χ^2/NDF: 11483223.2/58



Right In: -53.579+/-0.162 χ^2/NDF: 18638.5/30

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -22.657+/-0.157 χ^2/NDF: 268461.8/35

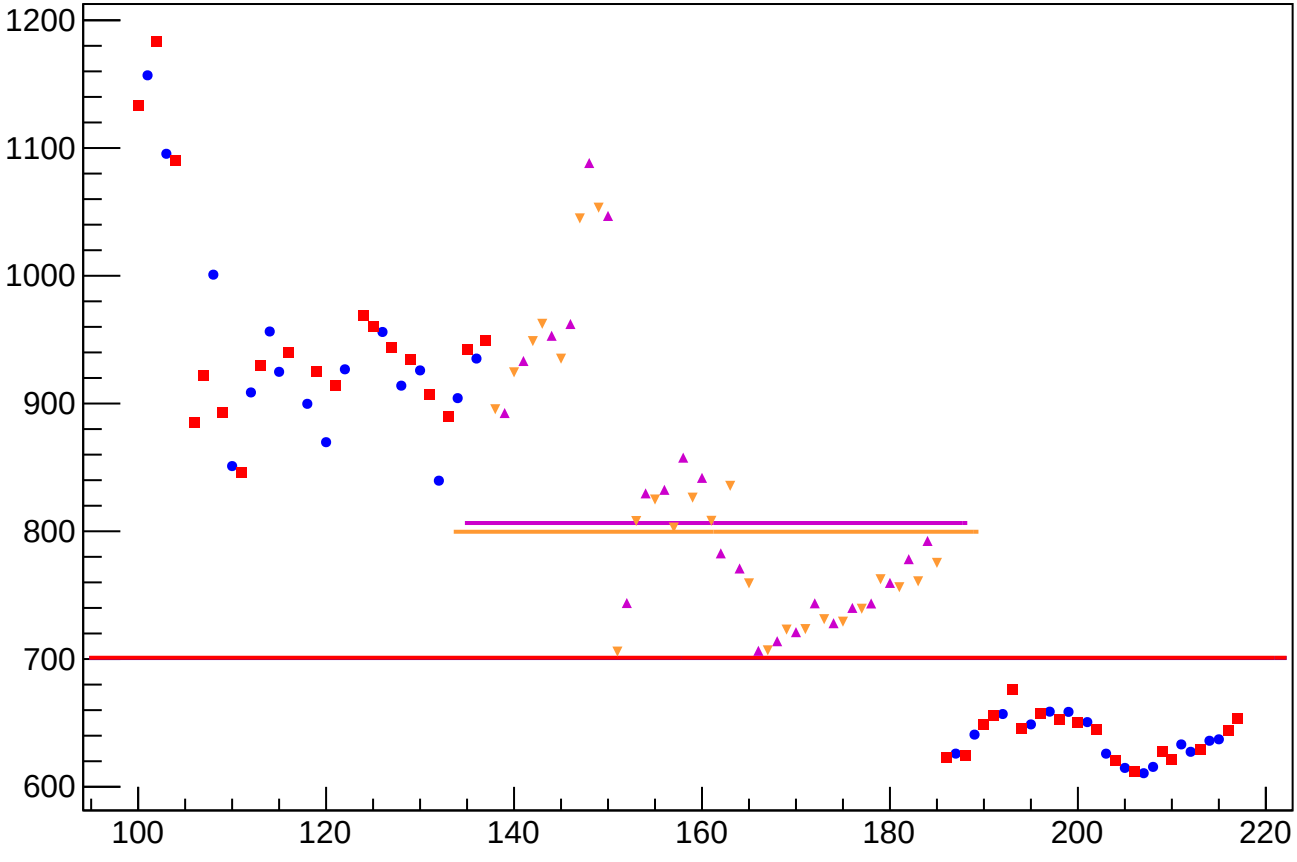
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -36.421+/-0.121 χ^2/NDF: 47215.7/55

All: -33.241+/-0.086 χ^2/NDF: 353682.1/114

- sign -30.093+/-0.121 χ^2/NDF: 305100.5/58

diff_bpm1i02X_rms vs Slug



Right In: 700.775+/-0.115 χ^2/NDF: 1286123.7/30

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 701.010+/-0.111 χ^2/NDF: 1345550.4/35

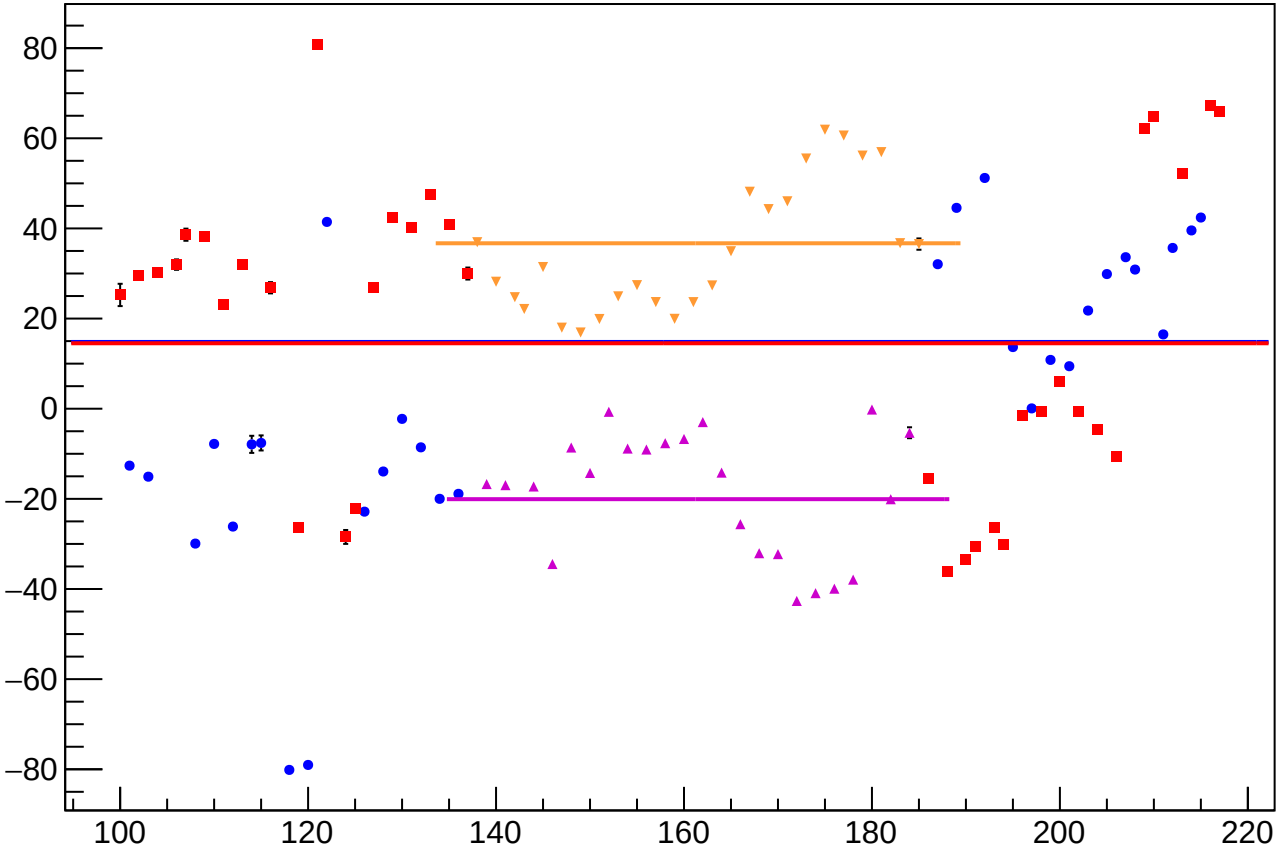
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 744.292+/-0.086 χ^2/NDF: 2110534.9/55

All: 744.002+/-0.061 χ^2/NDF: 4334994.0/114

- sign 743.714+/-0.085 χ^2/NDF: 2224436.3/58

diff_bpm1i02Y_mean vs Slug



Right In: 14.810+/-0.121 χ^2/NDF: 53514.8/30

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 14.521+/-0.117 χ^2/NDF: 94034.1/35

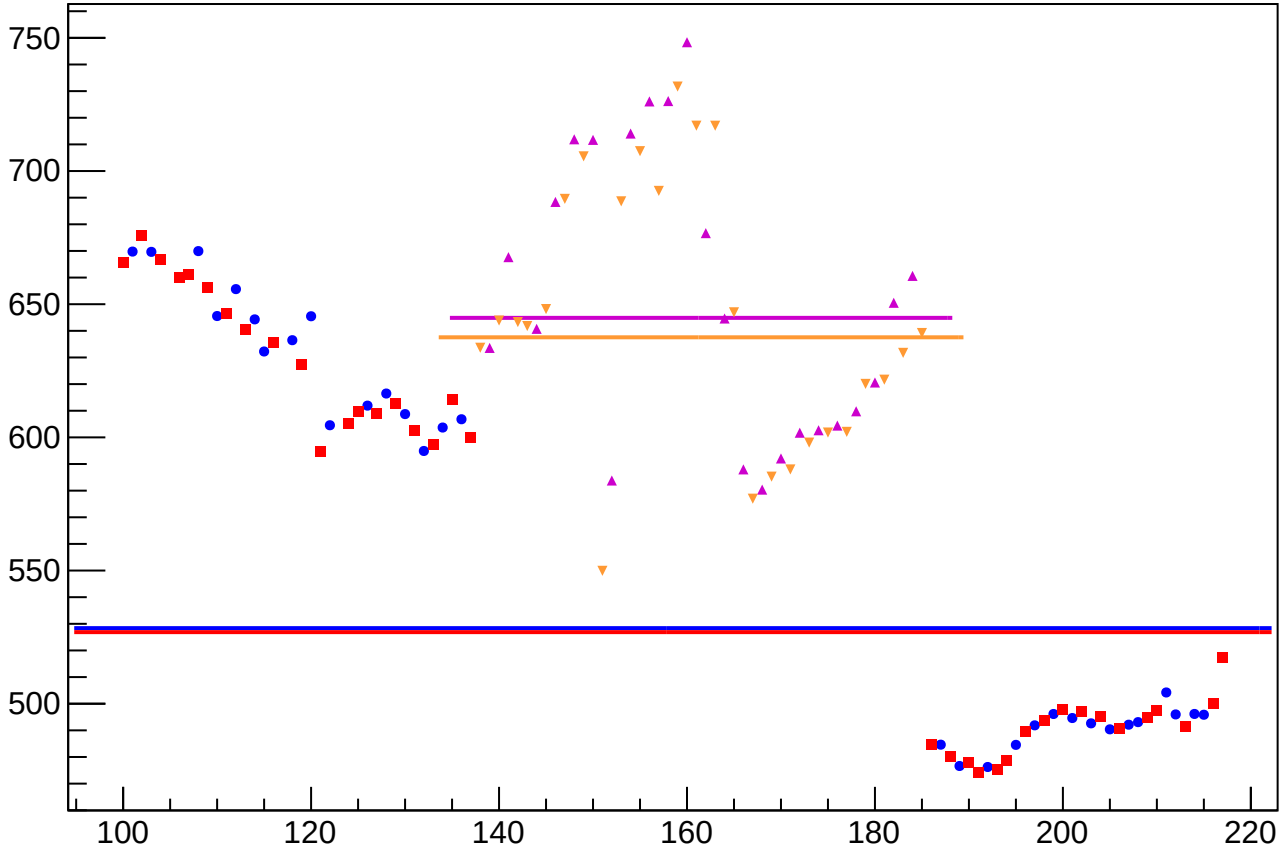
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.774+/-0.093 χ^2/NDF: 77132.1/55

All: 12.615+/-0.066 χ^2/NDF: 241081.6/114

- sign 1.636+/-0.092 χ^2/NDF: 135420.2/58

diff_bpm1i02Y_rms vs Slug



Right In: 528.379+/-0.086 χ^2/NDF: 541864.6/30

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.879+/-0.082 χ^2/NDF: 574584.4/35

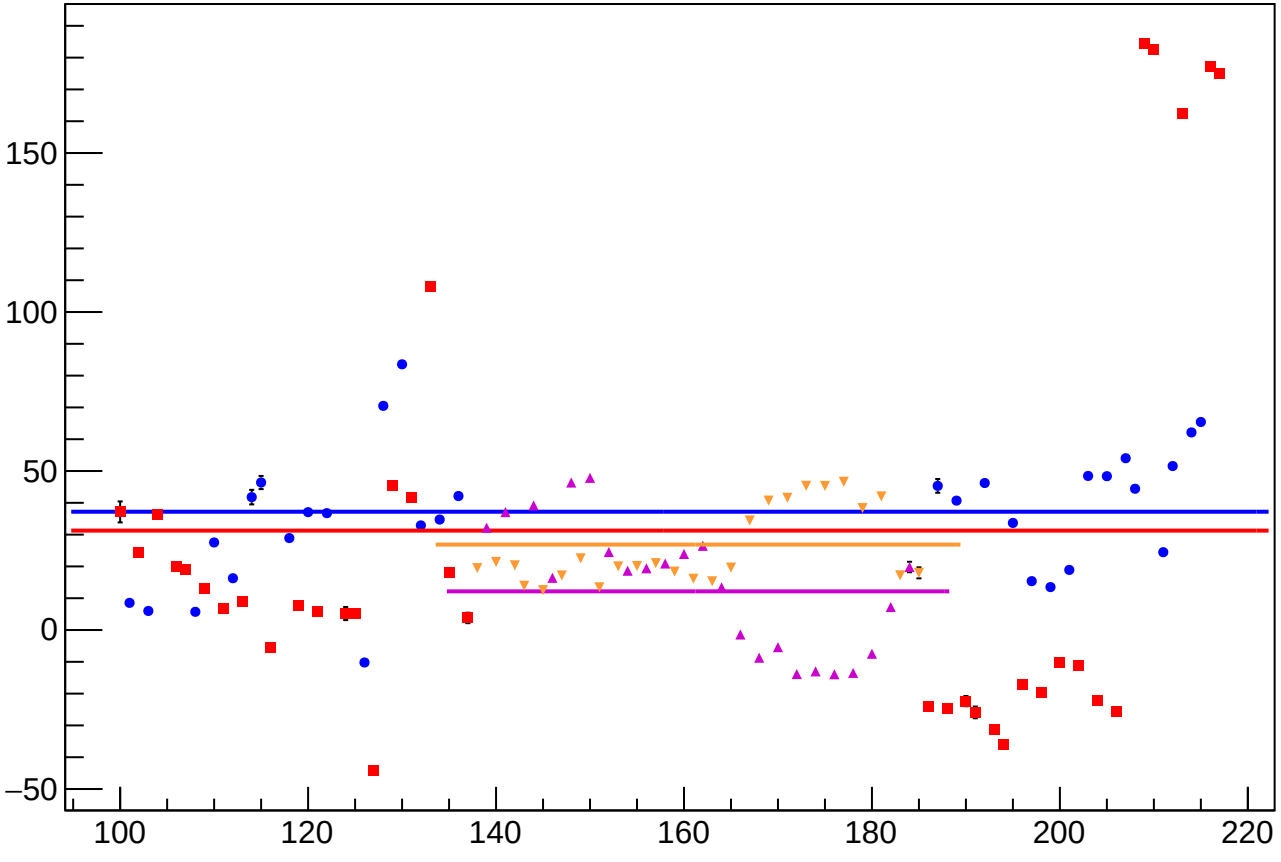
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 573.085+/-0.066 χ^2/NDF: 1444262.3/55

All: 571.948+/-0.046 χ^2/NDF: 3012948.2/114

- sign 570.830+/-0.065 χ^2/NDF: 1568094.1/58

diff_bpm1i04X_mean vs Slug



Right In: 37.201+/-0.198 χ^2/NDF: 10696.8/30

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 31.263+/-0.192 χ^2/NDF: 142032.0/35

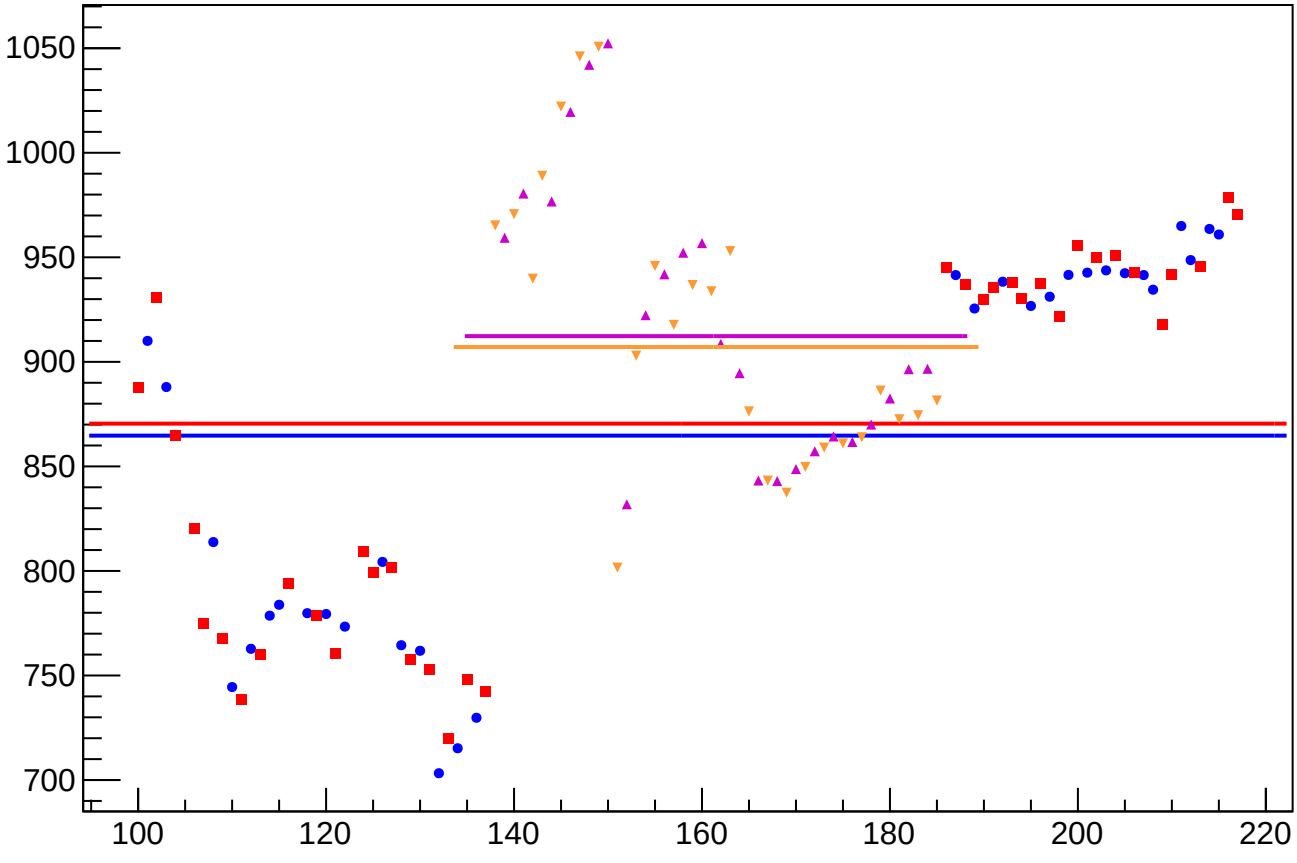
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 32.257+/-0.143 χ^2/NDF: 15391.4/55

All: 27.487+/-0.101 χ^2/NDF: 172615.4/114

- sign 22.721+/-0.143 χ^2/NDF: 154998.1/58

diff_bpm1i04X_rms vs Slug



Right In: 864.715+/-0.140 χ^2/NDF: 436472.0/30

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 870.456+/-0.136 χ^2/NDF: 417481.0/35

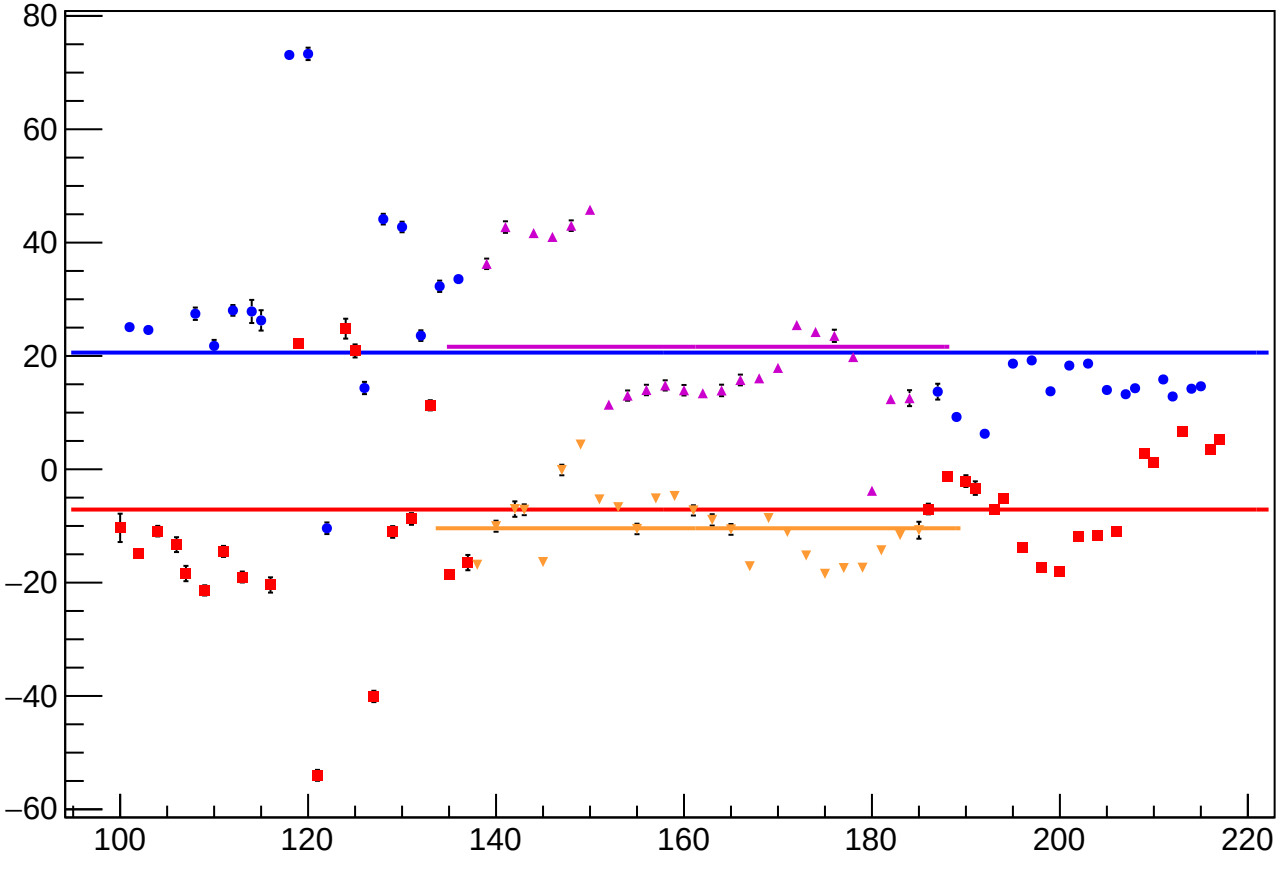
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 884.986+/-0.101 χ^2/NDF: 674933.4/55

All: 887.076+/-0.071 χ^2/NDF: 1310388.5/114

- sign 889.165+/-0.101 χ^2/NDF: 634600.2/58

diff_bpm1i04Y_mean vs Slug



Right In: 20.592+/-0.140 χ^2/NDF: 10436.5/30

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -7.104+/-0.134 χ^2/NDF: 9568.4/35

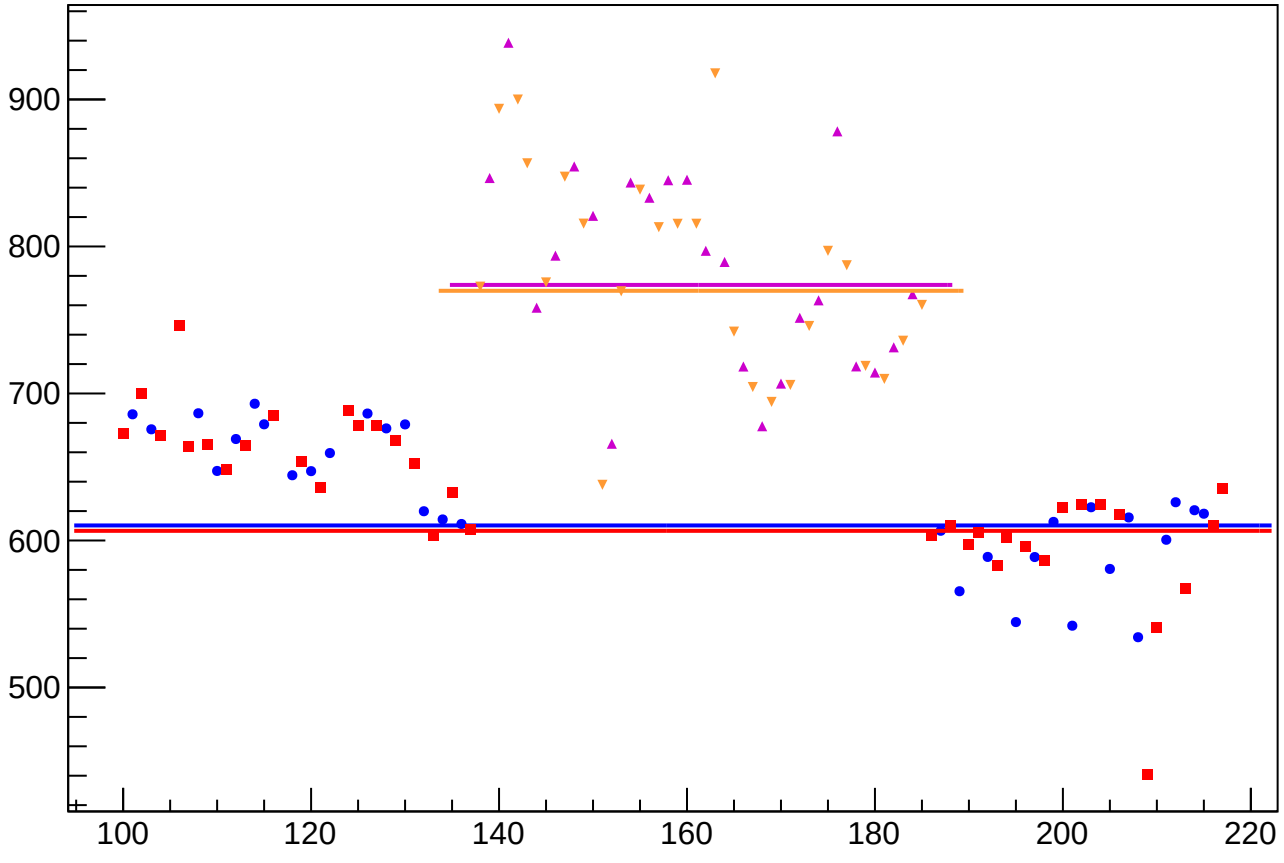
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

\+ sign 8.615+/-0.109 χ^2/NDF: 30513.7/55

All: 5.777+/-0.077 χ^2/NDF: 62801.1/114

\- sign 3.013+/-0.108 χ^2/NDF: 30958.8/58

diff_bpm1i04Y_rms vs Slug



Right In: 610.233+/-0.099 χ^2/NDF: 196831.8/30

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 606.568+/-0.095 χ^2/NDF: 412736.4/35

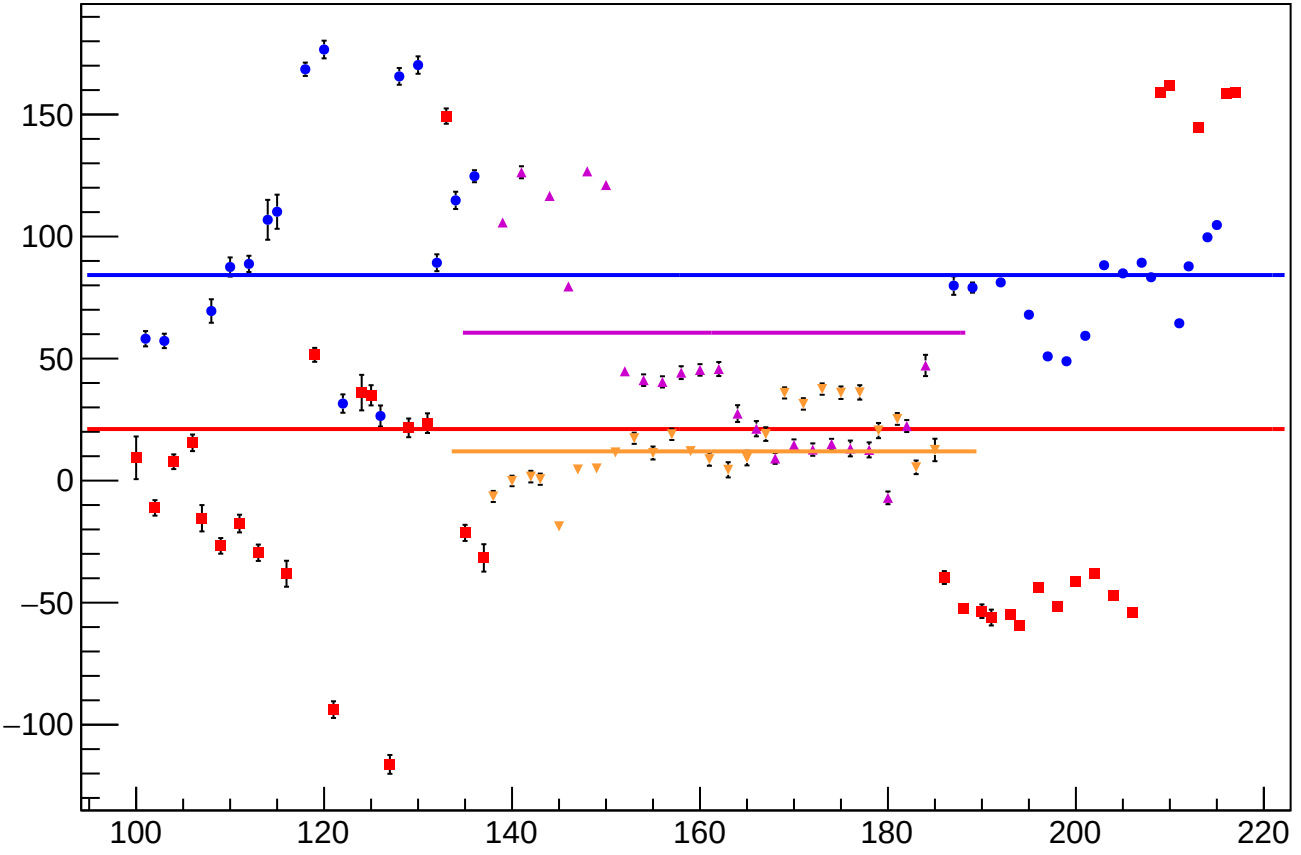
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 671.905+/-0.077 χ^2/NDF: 1510751.0/55

All: 668.650+/-0.054 χ^2/NDF: 3305091.0/114

- sign 665.480+/-0.076 χ^2/NDF: 1790844.9/58

diff_bpm1i06X_mean vs Slug



Right In: 84.221+/-0.419 χ^2/NDF: 5014.1/30

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 21.130+/-0.397 χ^2/NDF: 55367.4/35

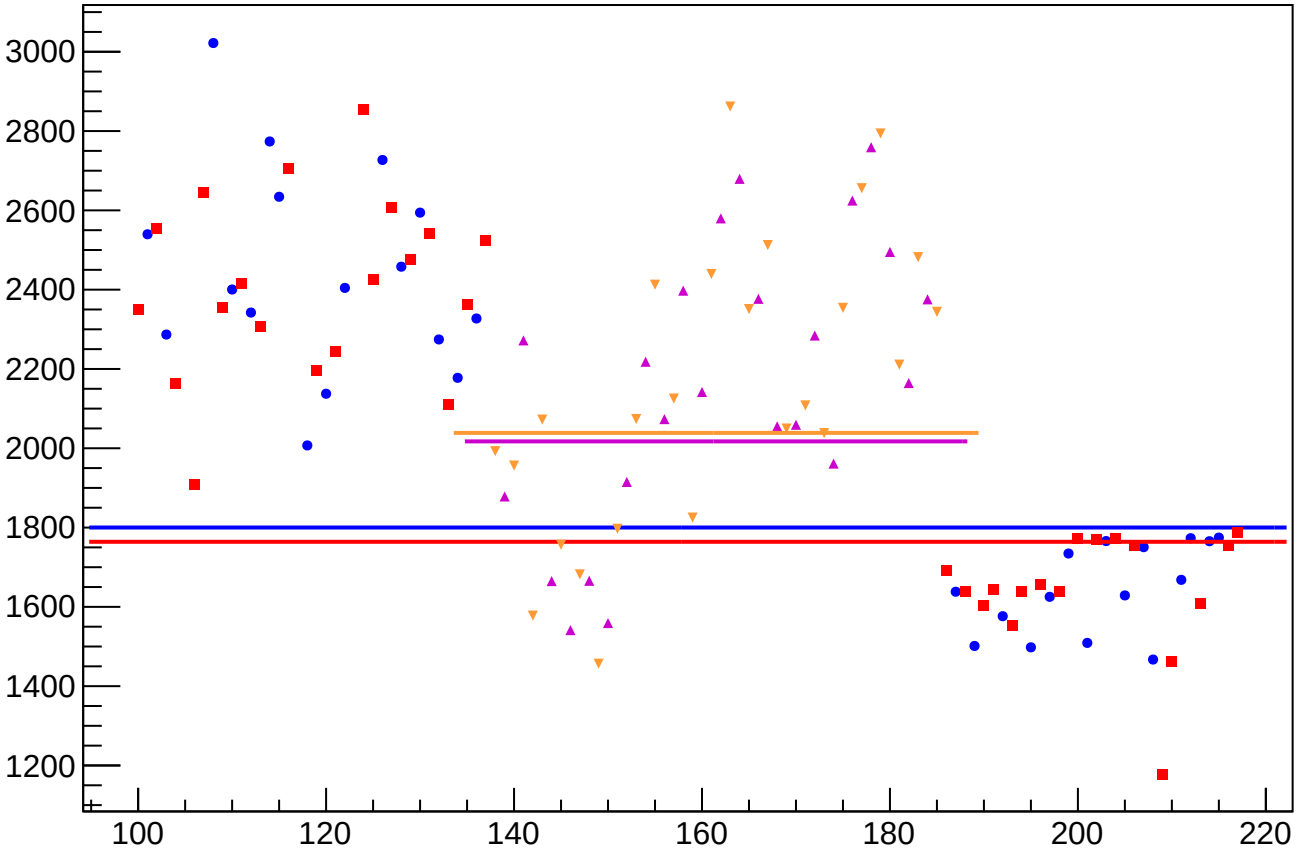
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 52.367+/-0.313 χ^2/NDF: 19078.4/55

All: 44.561+/-0.219 χ^2/NDF: 88307.7/114

- sign 37.107+/-0.306 χ^2/NDF: 68014.4/58

diff_bpm1i06X_rms vs Slug



Right In: 1800.123+/-0.296 χ^2/NDF: 1298516.3/30

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1764.118+/-0.280 χ^2/NDF: 1598298.5/35

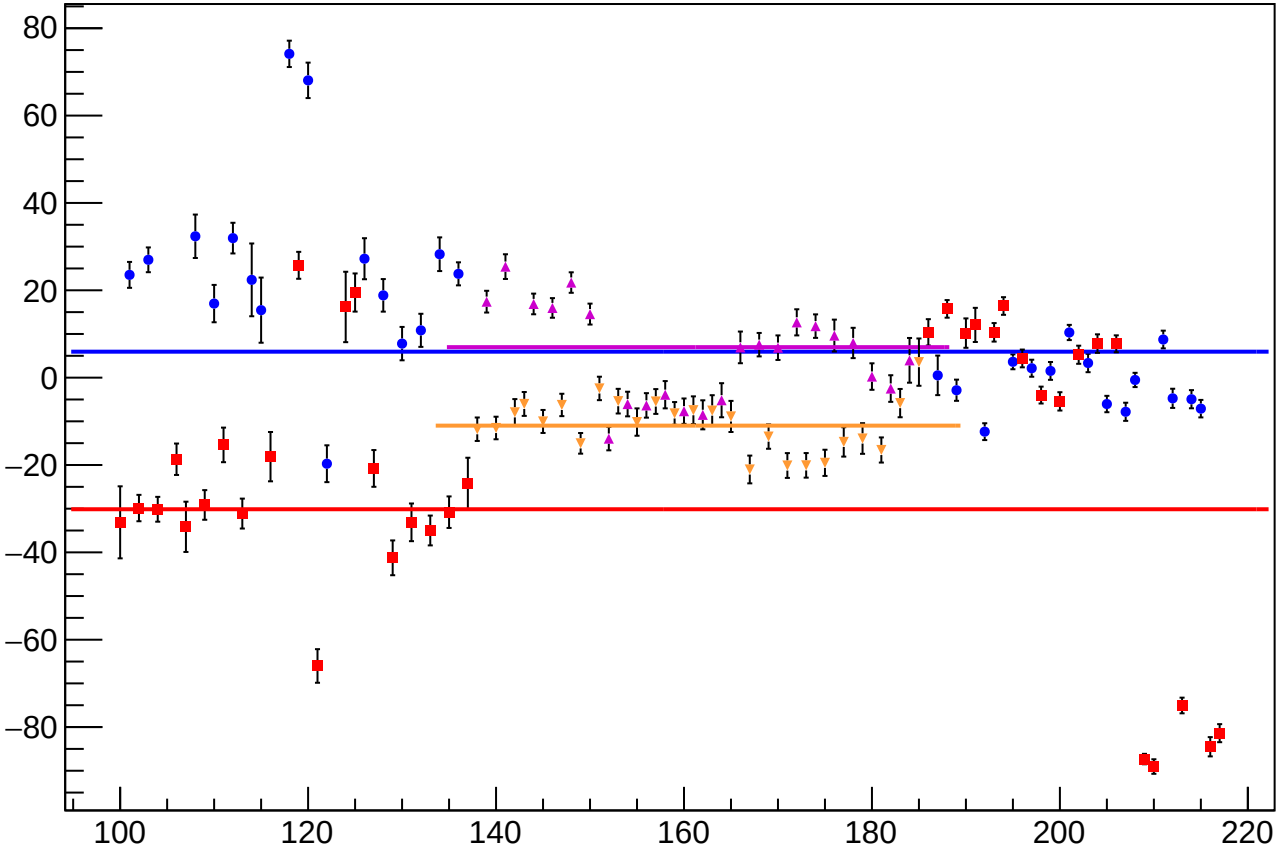
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1905.371+/-0.221 χ^2/NDF: 2708428.3/55

All: 1885.549+/-0.155 χ^2/NDF: 5702439.6/11

- sign 1866.622+/-0.216 χ^2/NDF: 2978344.8/58

diff_bpm1i06Y_mean vs Slug



Right In: 5.946+/-0.454 χ^2/NDF: 1400.0/30

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -30.130+/-0.427 χ^2/NDF: 9472.7/35

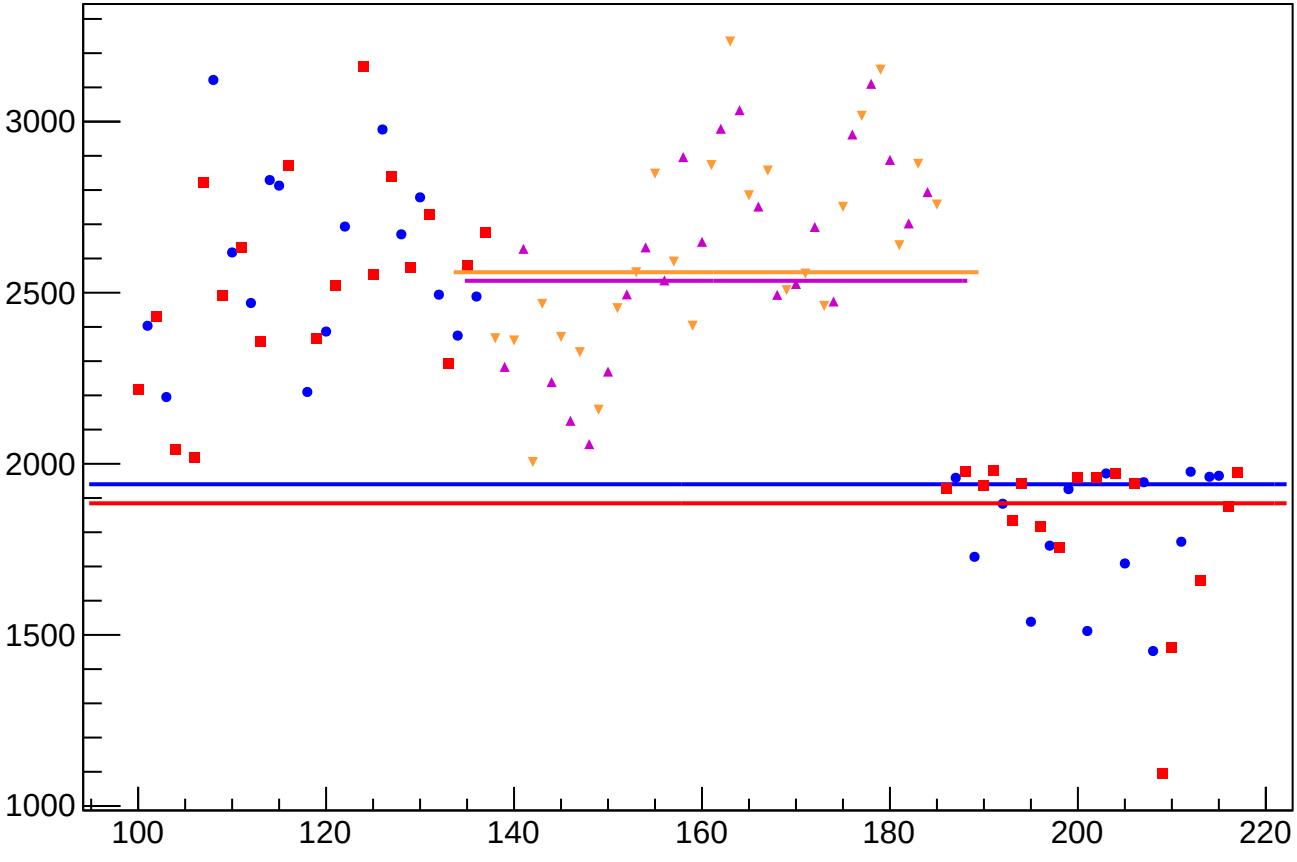
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.404+/-0.359 χ^2/NDF: 2009.5/55

All: -9.267+/-0.250 χ^2/NDF: 15552.4/114

- sign -17.595+/-0.348 χ^2/NDF: 12359.3/58

diff_bpm1i06Y_rms vs Slug



Right In: 1940.242+/-0.321 χ^2/NDF: 1343341.8/30

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1884.622+/-0.302 χ^2/NDF: 2009816.9/35

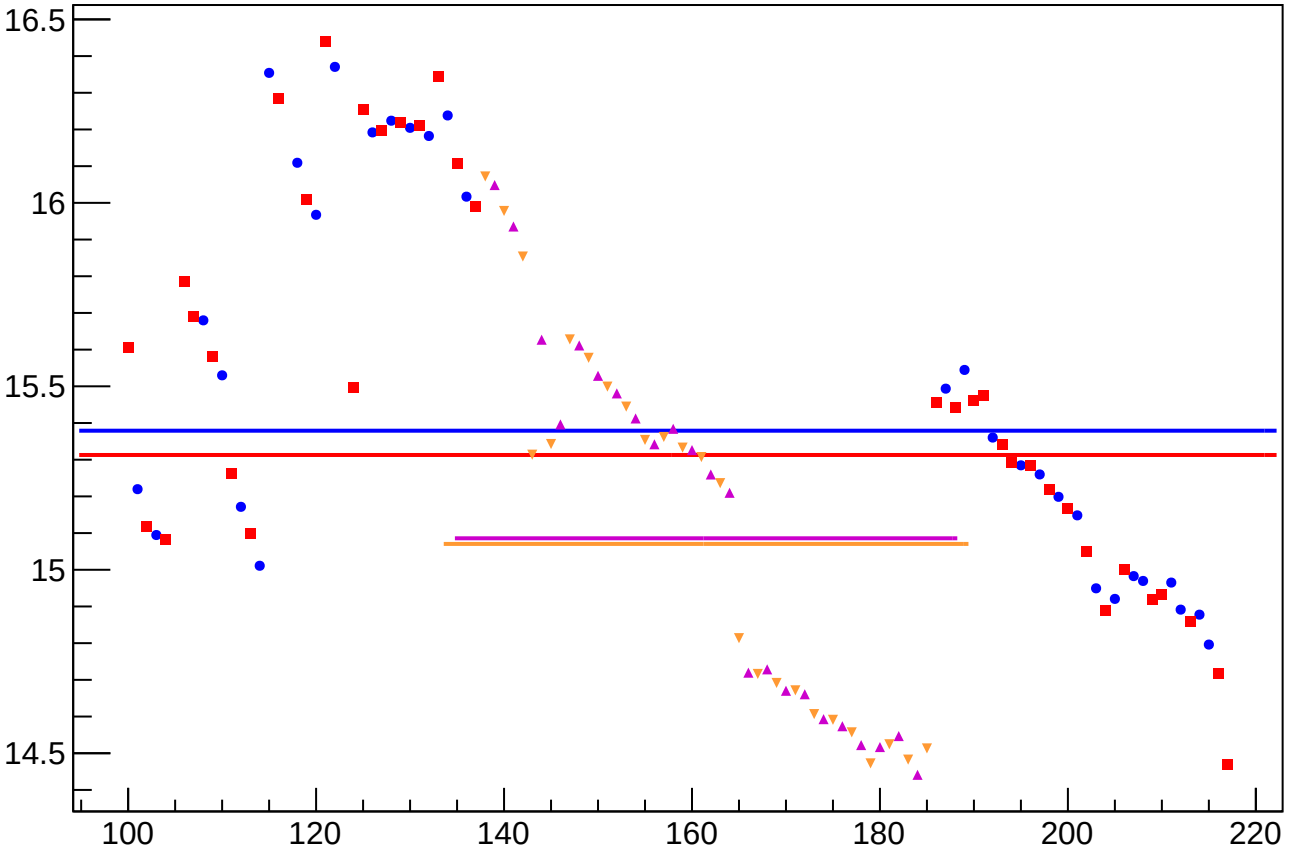
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2172.654+/-0.254 χ^2/NDF: 3191801.9/55

All: 2137.360+/-0.177 χ^2/NDF: 7266030.9/11

- sign 2104.199+/-0.246 χ^2/NDF: 4036695.4/58

yield_sam1_mean vs Slug



Right In: 15.379+/-0.000 χ^2/NDF: 28810891196.1/30

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.313+/-0.000 χ^2/NDF: 31731881508.5/35

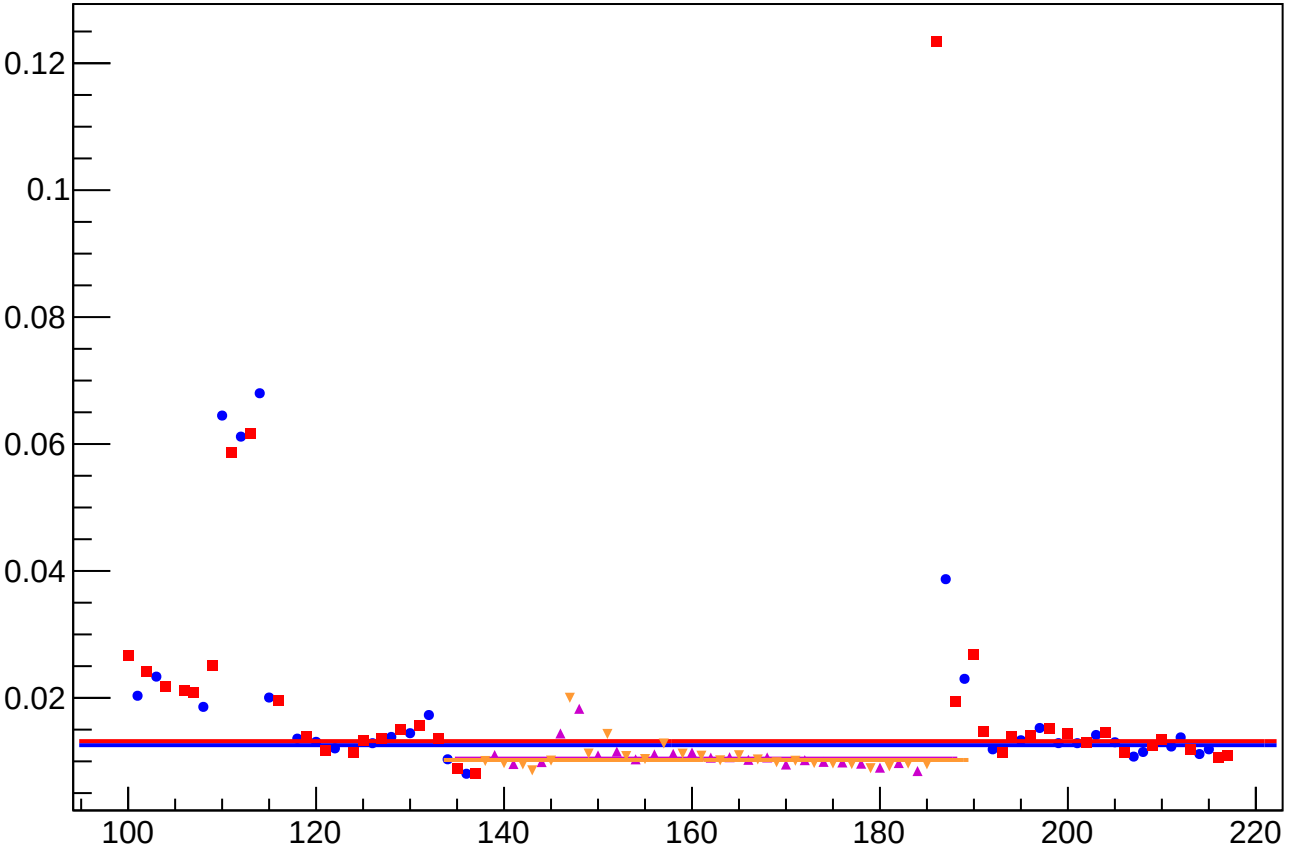
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.188+/-0.000 χ^2/NDF: 78826703204.4/55

All: 15.182+/-0.000 χ^2/NDF: 153285694194.

- sign 15.175+/-0.000 χ^2/NDF: 74436665646.4/58

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2882081.1/30

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

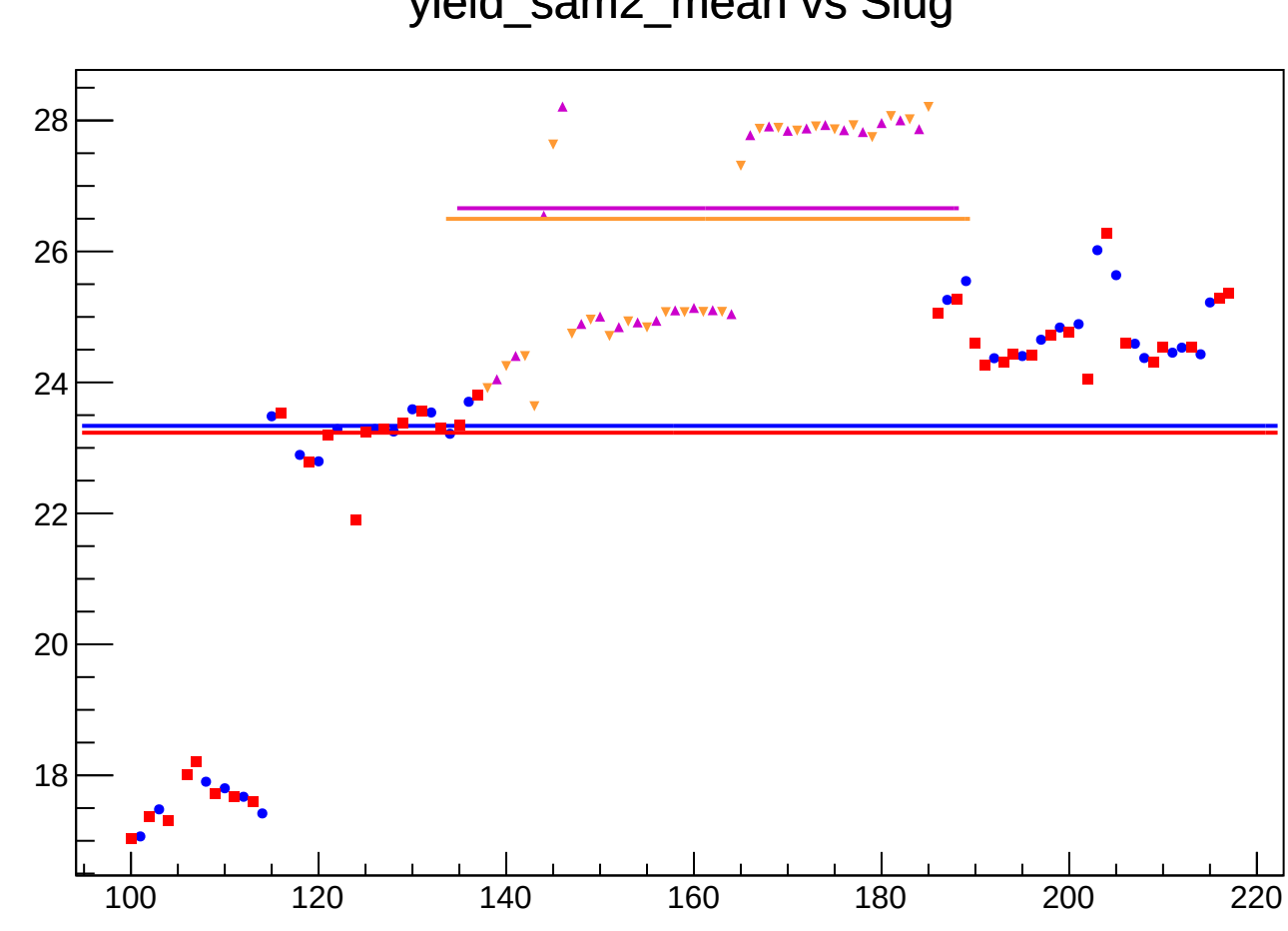
Right Out: 0.013+/-0.000 χ^2/NDF: 3566988.3/35

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4362719.9/55

All: 0.011+/-0.000 χ^2/NDF: 9515929.2/114

- sign 0.012+/-0.000 χ^2/NDF: 5108535.2/58



Right In: 23.336+/-0.000 χ^2/NDF: 1696395179.9/30

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.232+/-0.000 χ^2/NDF: 1865989388.6/35

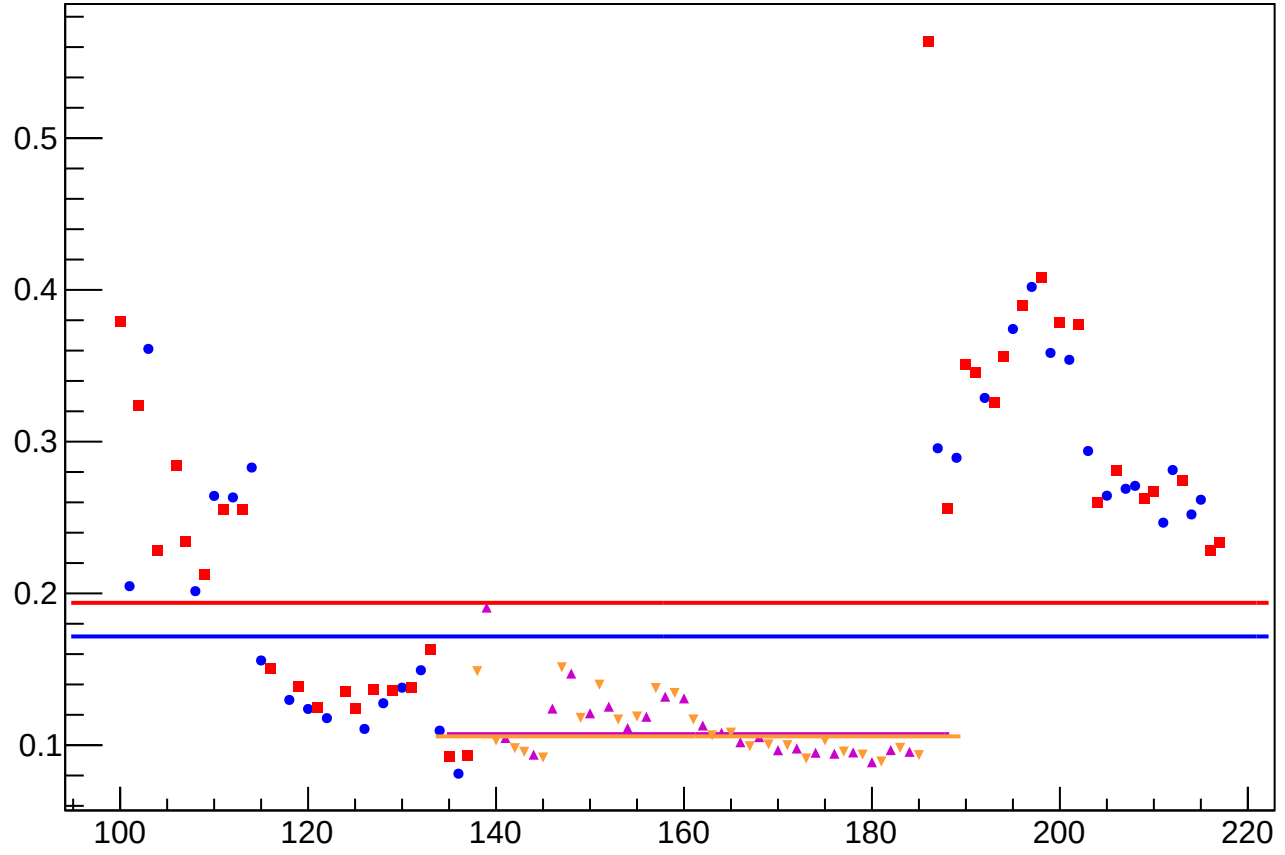
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.726+/-0.000 χ^2/NDF: 9225134602.7/55

All: 25.782+/-0.000 χ^2/NDF: 17795579675.4

- sign 25.844+/-0.000 χ^2/NDF: 8557448863.5/58

yield_sam2_rms vs Slug



Right In: 0.172+/-0.000 χ^2/NDF: 7581773.8/30

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

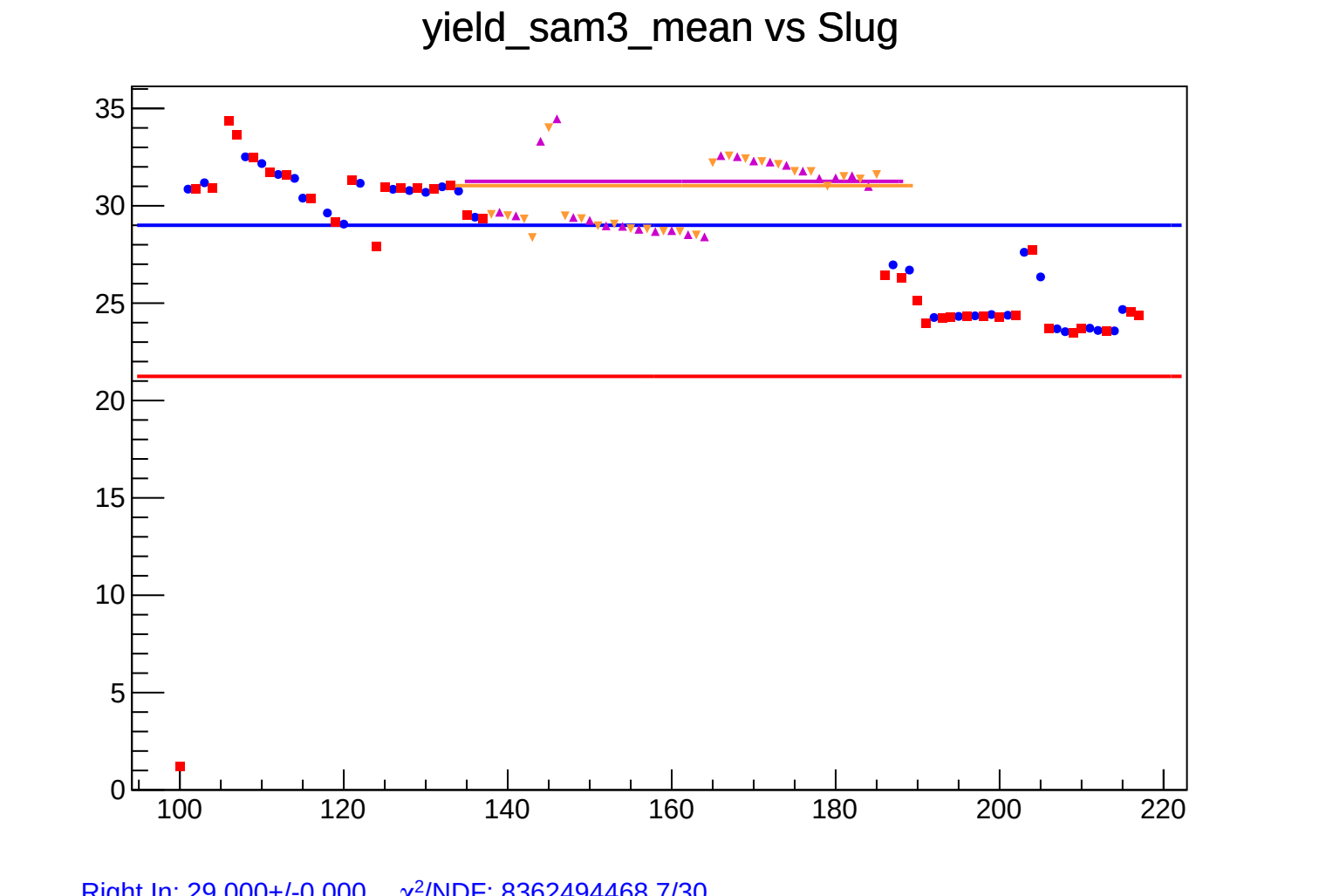
Right Out: 0.194+/-0.000 χ^2/NDF: 6752061.9/35

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

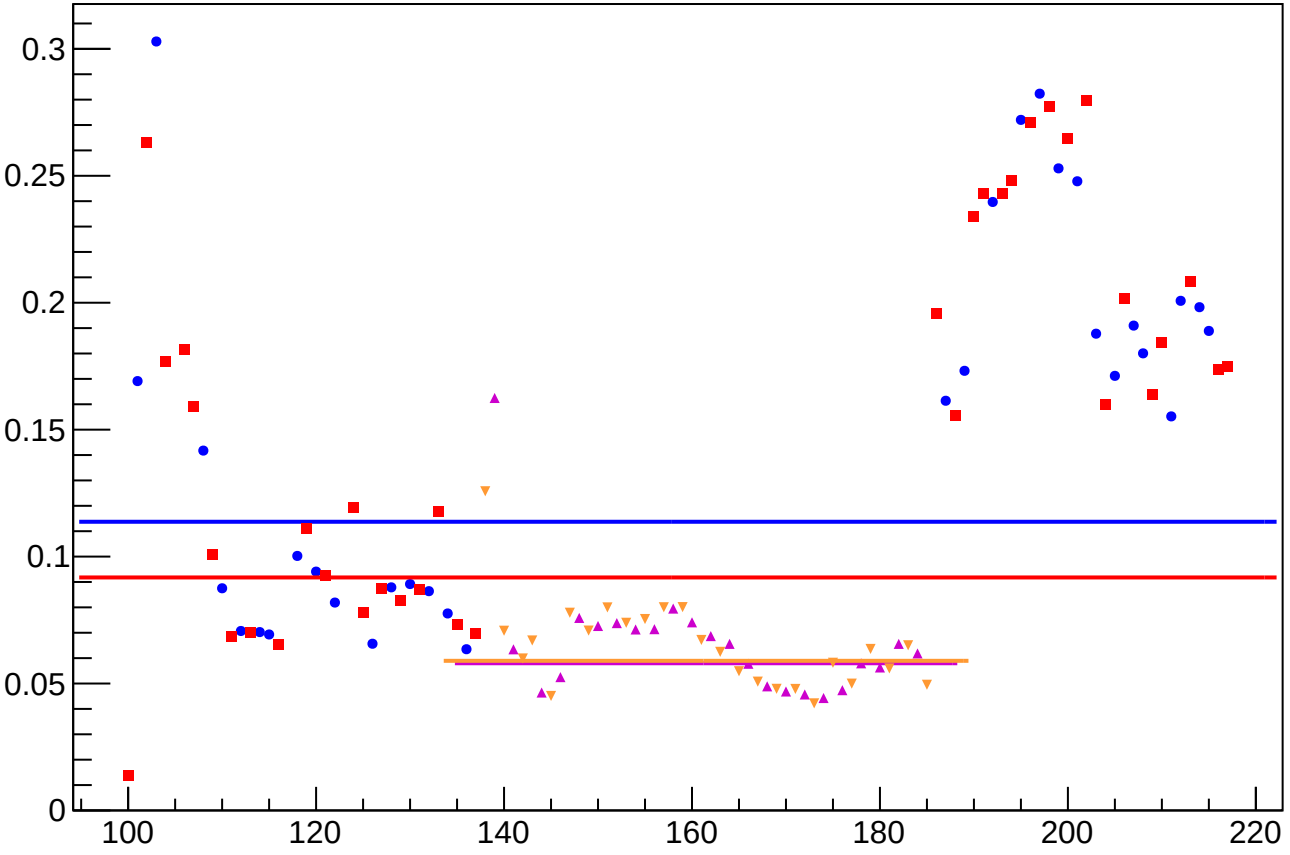
+ sign 0.122+/-0.000 χ^2/NDF: 11478408.7/55

All: 0.125+/-0.000 χ^2/NDF: 24006280.2/114

- sign 0.128+/-0.000 χ^2/NDF: 12460643.0/58


yield_sam3_mean vs Slug
35
30
25
20
15
10
5
0
100
120
140
160
180
200
220
Right In: 29.000+/-0.000 χ²/NDF: 8362494468.7/30
Left Out: 31.035+/-0.000 χ²/NDF:11897463221.2/24
Right Out: 21.240+/-0.000 χ²/NDF: 226850244848.2/35
Left In: 31.256+/-0.000 χ²/NDF:12589744083.0/22
+ sign 30.631+/-0.000 χ²/NDF: 23780653216.2/55
All: 29.658+/-0.000 χ²/NDF: 378084804091.
- sign 28.717+/-0.000 χ²/NDF: 344352193412.2/58

yield_sam3_rms vs Slug



Right In: 0.114+/-0.000 χ^2/NDF: 7540782.7/30

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.092+/-0.000 χ^2/NDF: 14125904.1/35

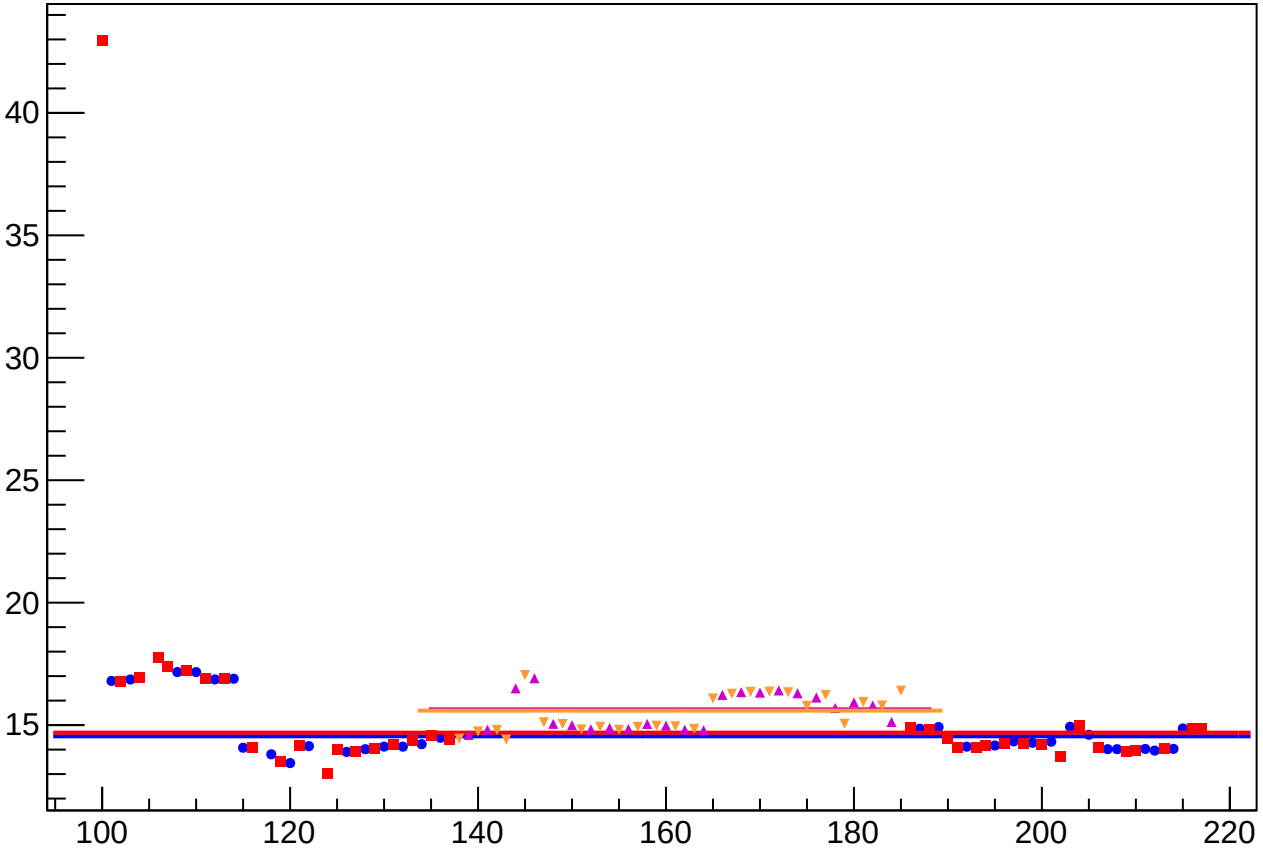
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.070+/-0.000 χ^2/NDF: 14178463.6/55

All: 0.068+/-0.000 χ^2/NDF: 32467870.8/114

- sign 0.067+/-0.000 χ^2/NDF: 18231510.7/58

yield_sam4_mean vs Slug



Right In: 14.542+/-0.000 χ^2/NDF: 1273601274.1/30

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.692+/-0.000 χ^2/NDF: 1875949018.1/35

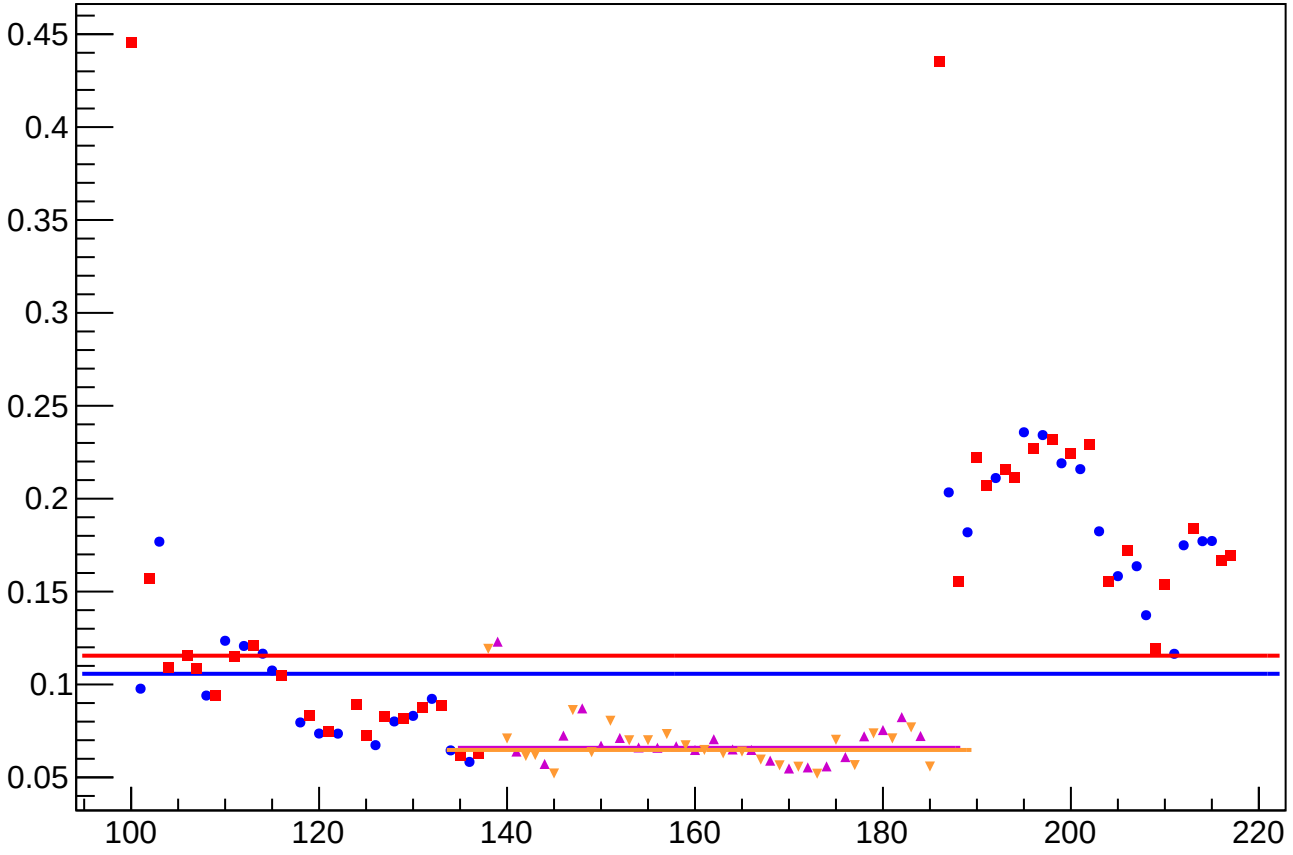
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.327+/-0.000 χ^2/NDF: 4614809130.5/55

All: 15.363+/-0.000 χ^2/NDF: 9187432948.7/1

- sign 15.403+/-0.000 χ^2/NDF: 4558020655.3/58

yield_sam4_rms vs Slug



Right In: 0.106+/-0.000 χ^2/NDF: 6481246.1/30

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.115+/-0.000 χ^2/NDF: 6271835.0/35

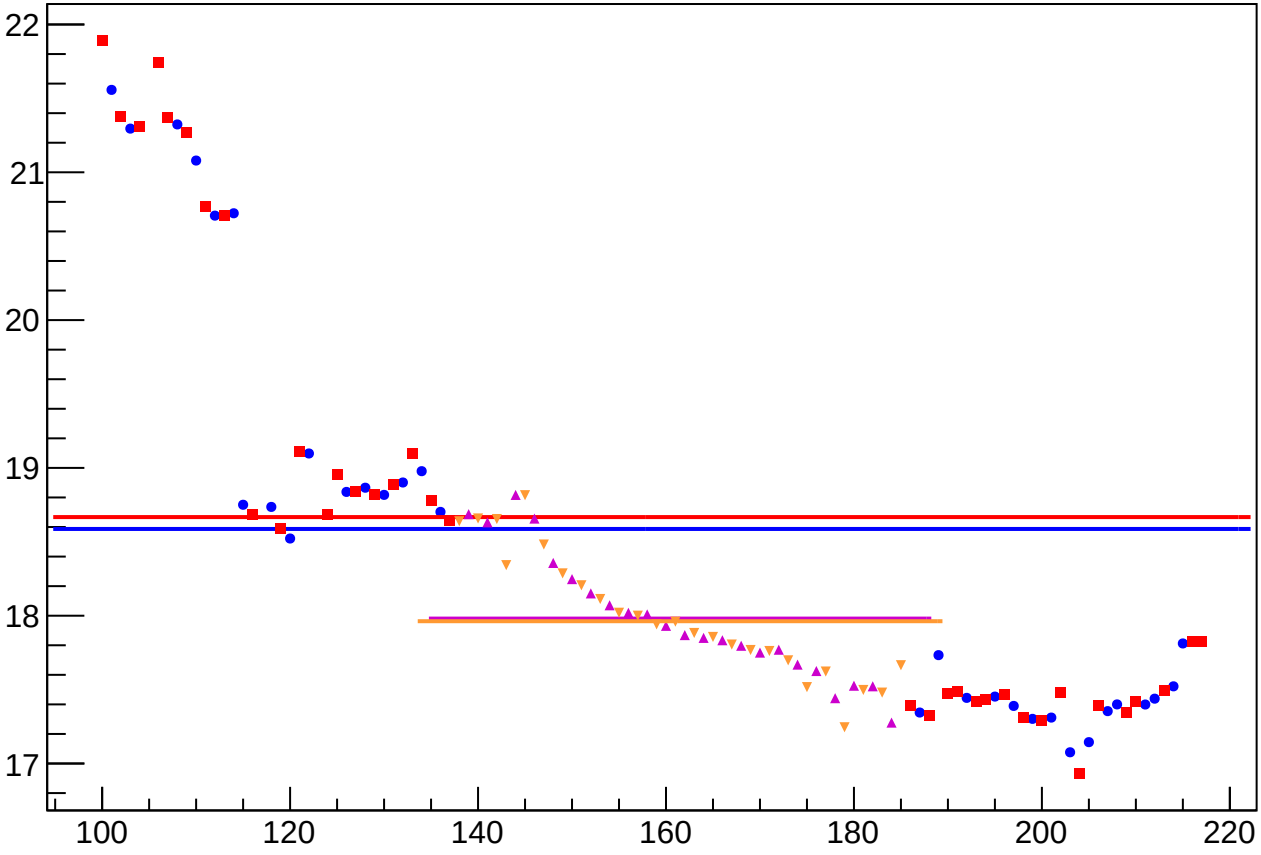
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.075+/-0.000 χ^2/NDF: 10647947.4/55

All: 0.077+/-0.000 χ^2/NDF: 22229749.7/114

- sign 0.078+/-0.000 χ^2/NDF: 11524693.8/58

yield_sam5_mean vs Slug



Right In: 18.587+/-0.000 χ^2/NDF: 35217732003.0/30

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.667+/-0.000 χ^2/NDF: 37998391084.6/35

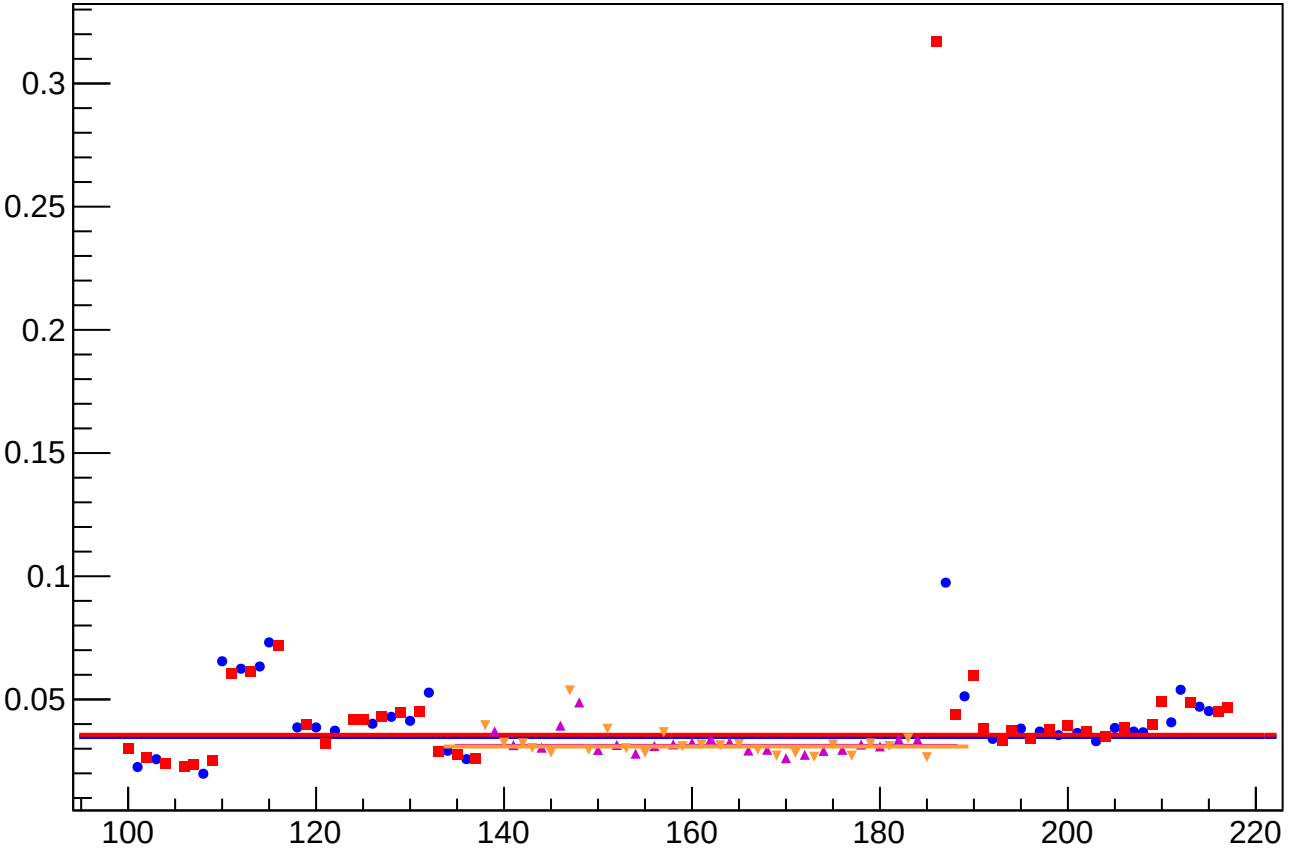
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.227+/-0.000 χ^2/NDF: 41424595103.2/55

All: 18.256+/-0.000 χ^2/NDF: 85942216555.2

- sign 18.285+/-0.000 χ^2/NDF: 44461910588.3/58

yield_sam5_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 2459792.4/30

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2745350.1/35

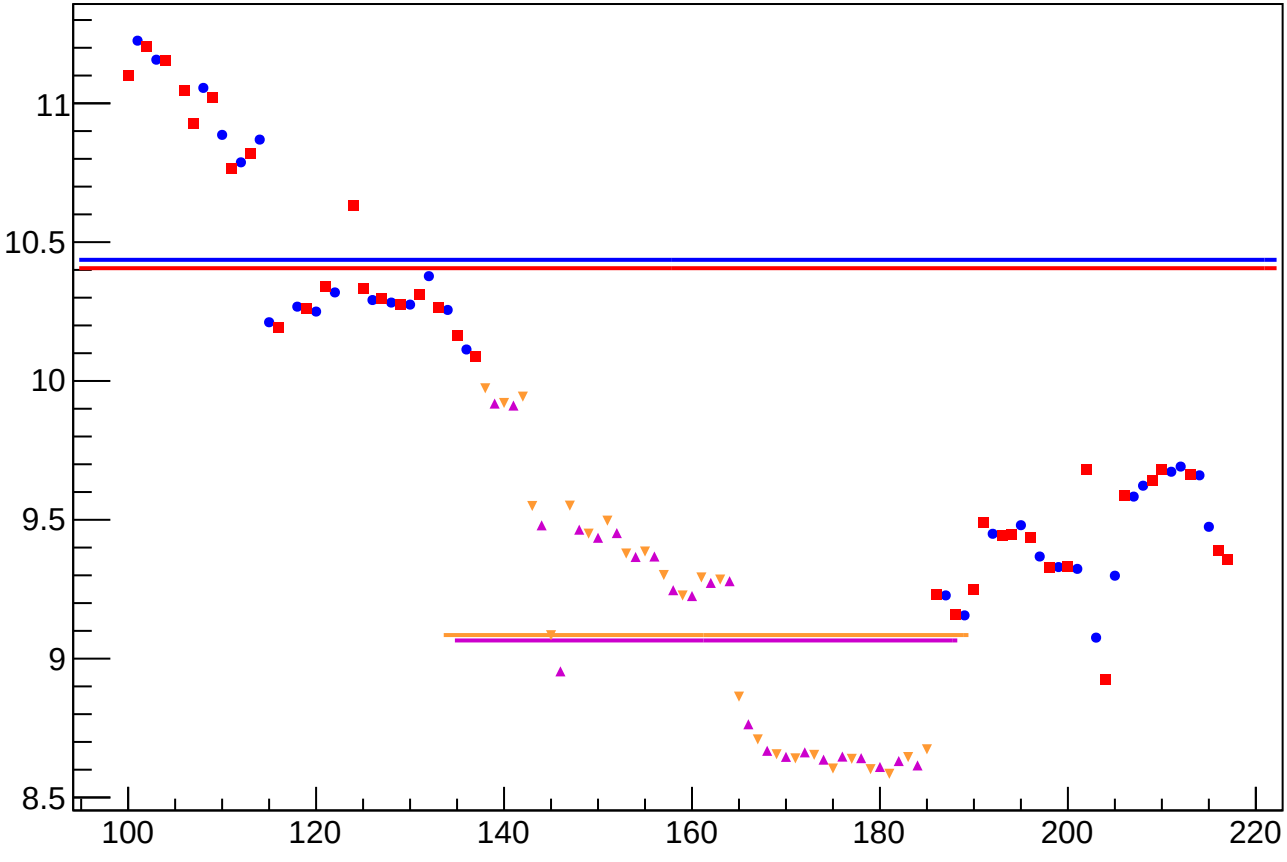
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.033+/-0.000 χ^2/NDF: 3337443.9/55

All: 0.033+/-0.000 χ^2/NDF: 6901227.9/114

- sign 0.033+/-0.000 χ^2/NDF: 3551626.5/58

yield_sam6_mean vs Slug



Right In: 10.436+/-0.000 χ^2/NDF: 16476663151.2/30

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.406+/-0.000 χ^2/NDF: 16329737412.3/35

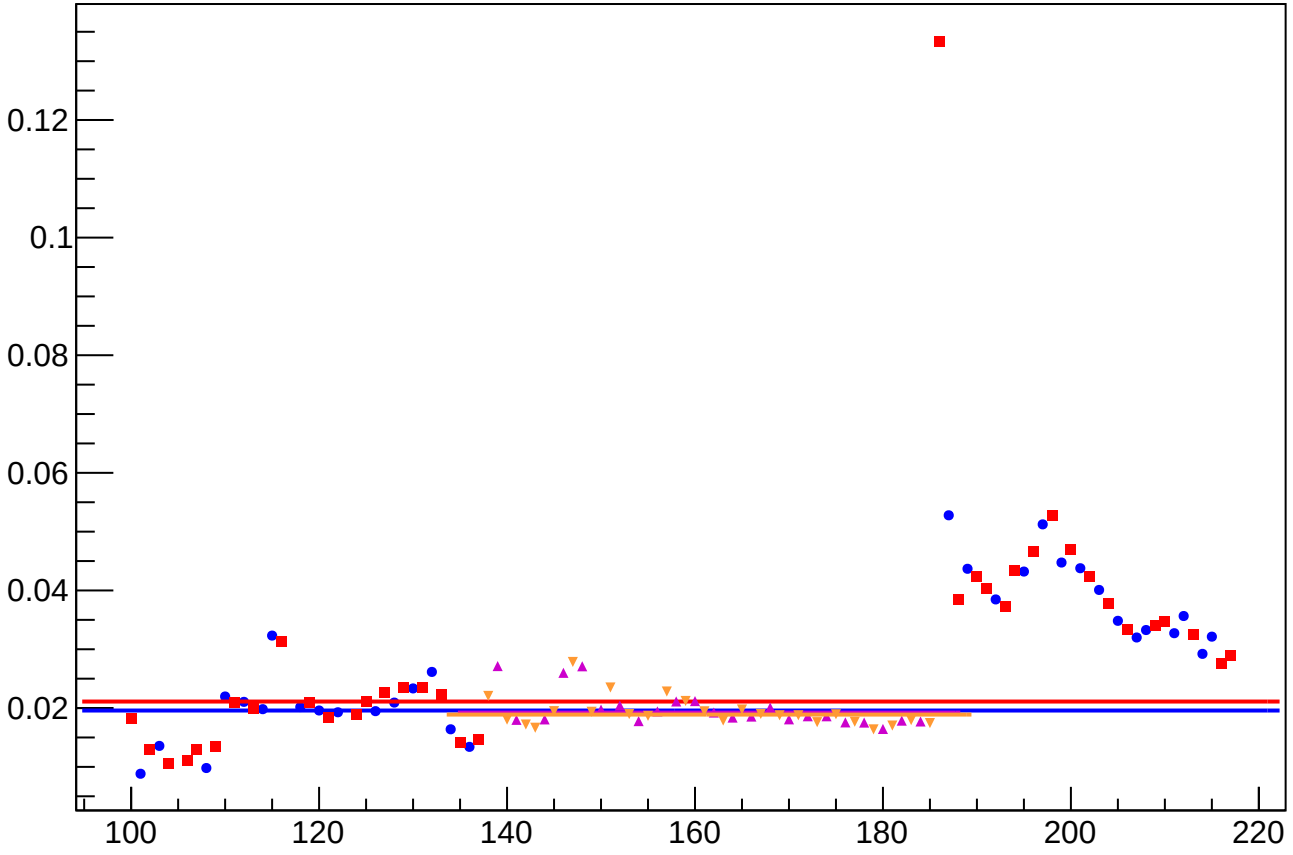
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.657+/-0.000 χ^2/NDF: 64812276713.0/55

All: 9.654+/-0.000 χ^2/NDF: 124341180605.6

- sign 9.651+/-0.000 χ^2/NDF: 59526937786.1/58

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 8417671.1/30

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8142852.6/35

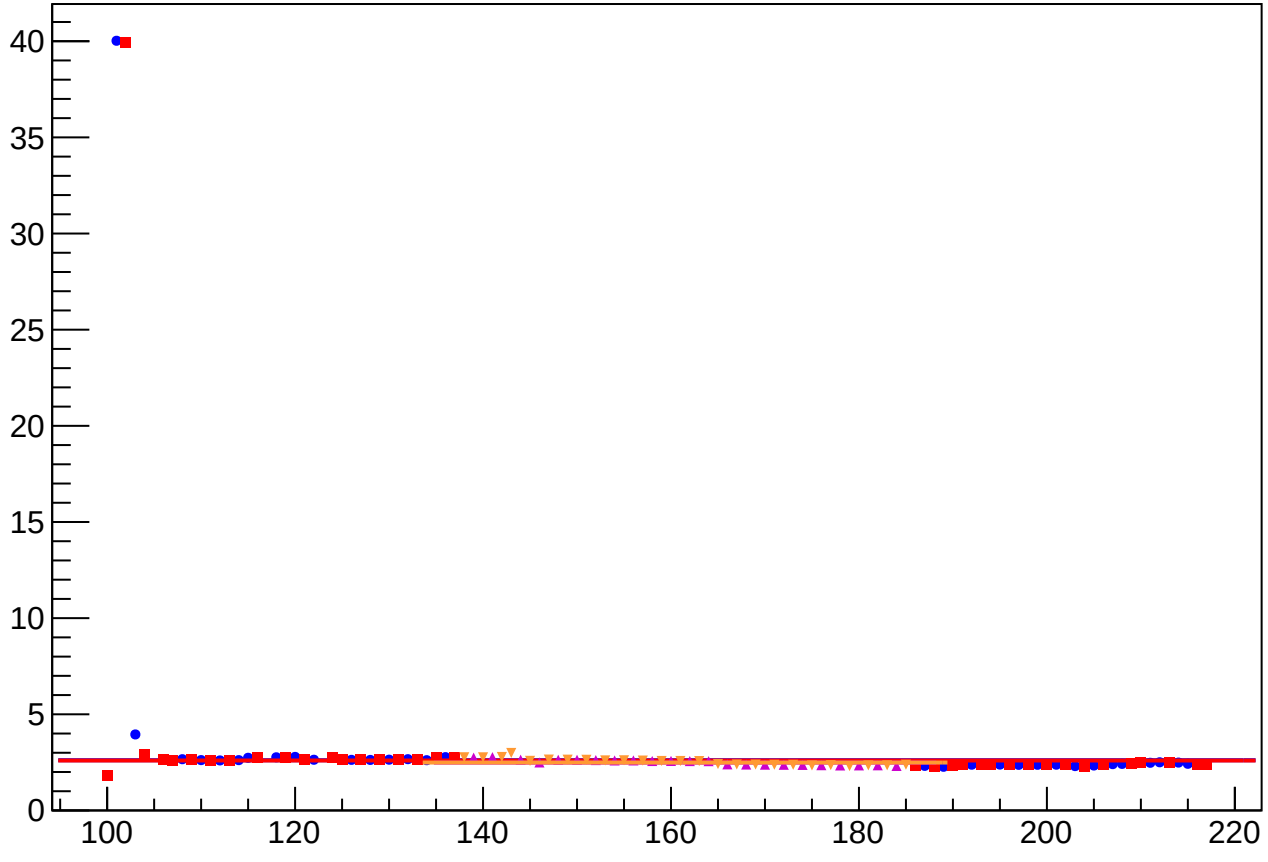
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 8878821.1/55

All: 0.020+/-0.000 χ^2/NDF: 17762249.7/114

- sign 0.020+/-0.000 χ^2/NDF: 8821741.6/58

yield_sam7_mean vs Slug



Right In: 2.612+/-0.000 χ^2/NDF: 88641418732.8/30

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.598+/-0.000 χ^2/NDF: 88461042067.8/35

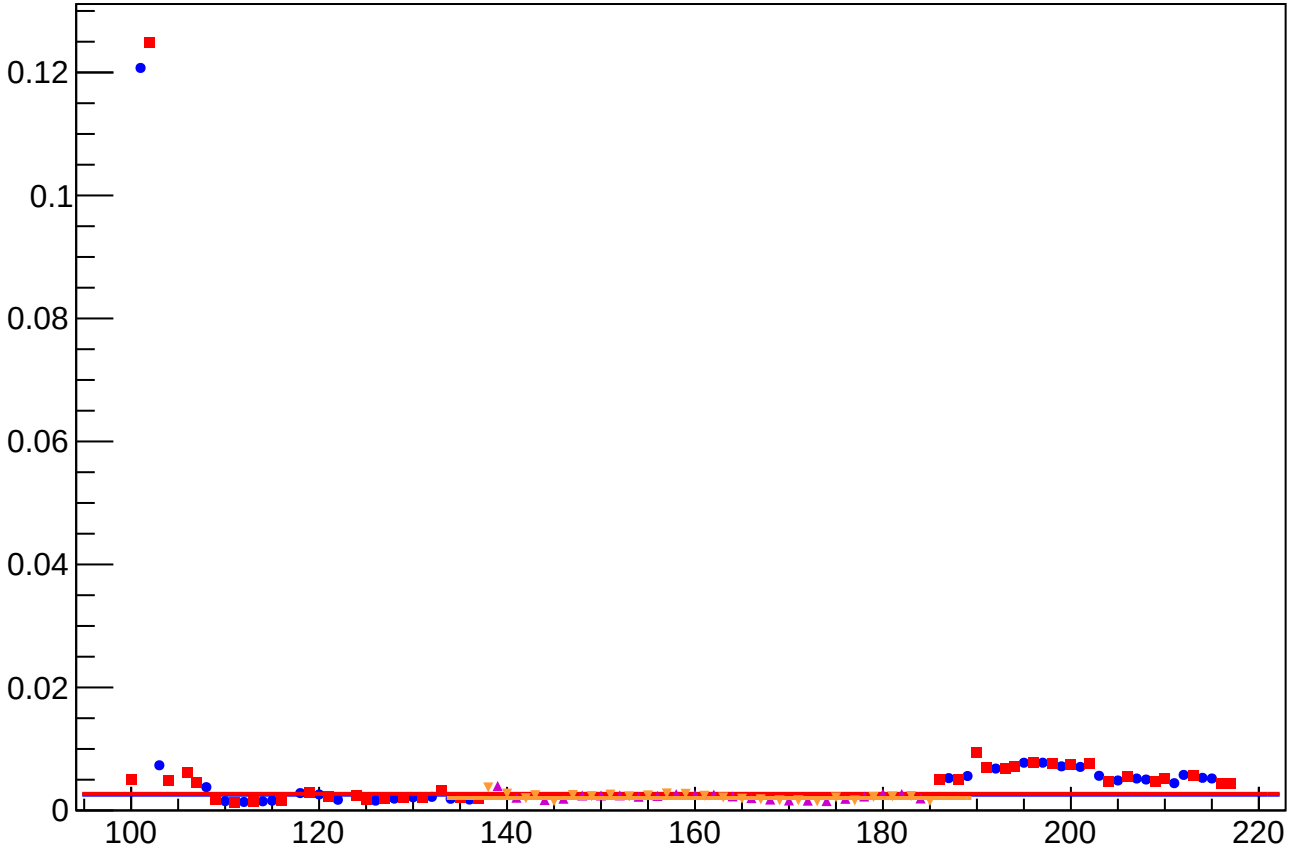
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.530+/-0.000 χ^2/NDF: 198855723626.0/55

All: 2.528+/-0.000 χ^2/NDF: 362651974461.7

- sign 2.526+/-0.000 χ^2/NDF: 163746659993.7/58

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10803281.0/30

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11862276.5/35

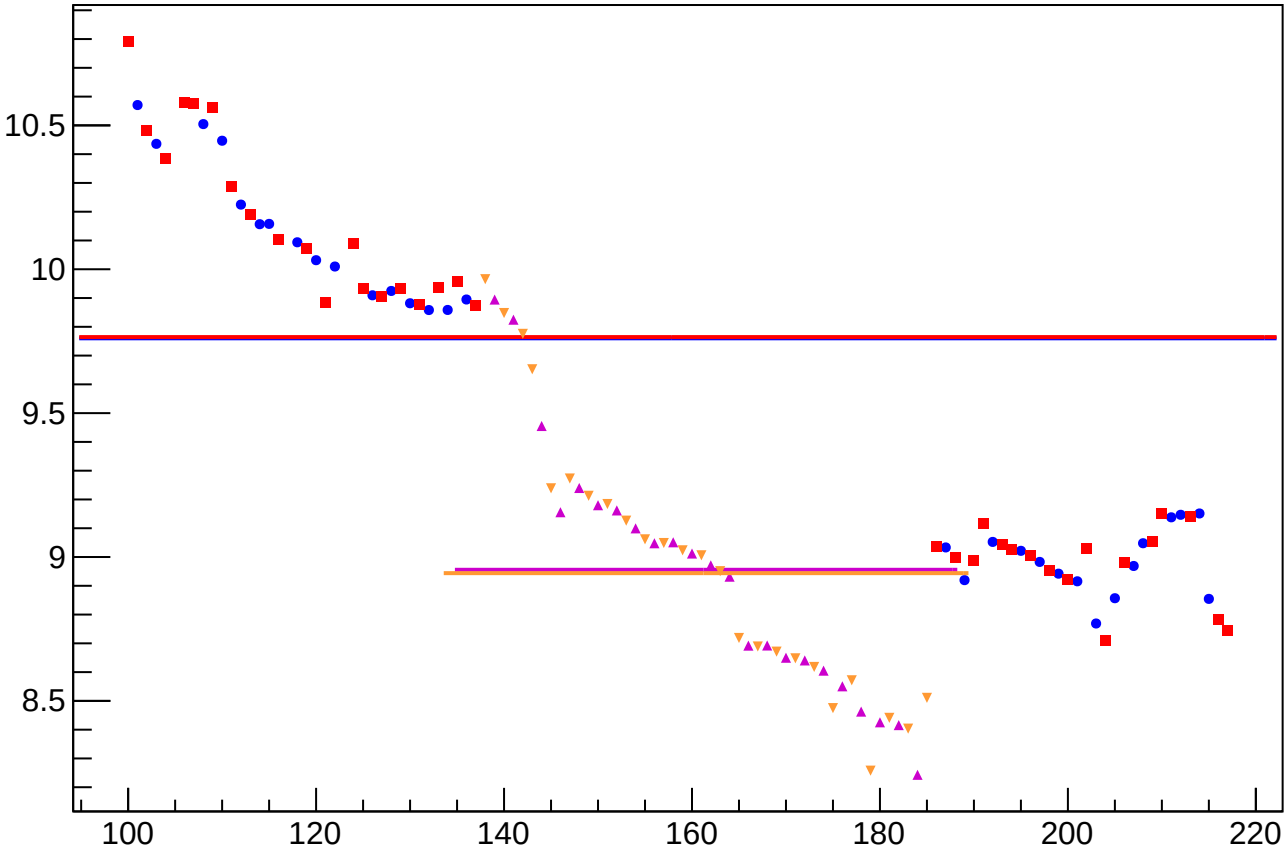
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 13079826.1/55

All: 0.002+/-0.000 χ^2/NDF: 27338801.6/114

- sign 0.002+/-0.000 χ^2/NDF: 14220088.3/58

yield_sam8_mean vs Slug



Right In: 9.760+/-0.000 χ^2/NDF: 84118036077.8/30

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.764+/-0.000 χ^2/NDF: 109313727088.5/35

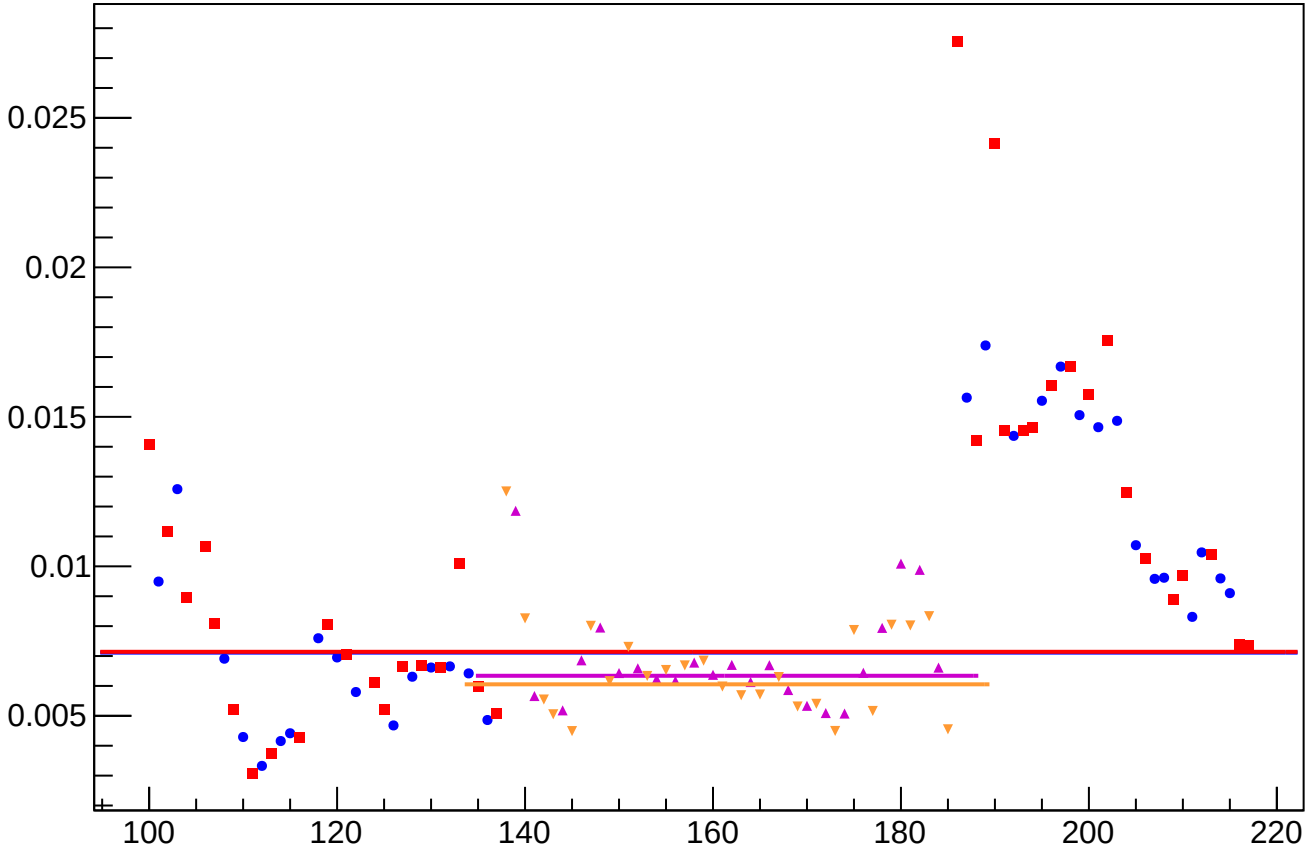
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.273+/-0.000 χ^2/NDF: 261939611459.2/55

All: 9.295+/-0.000 χ^2/NDF: 529626267137.2

- sign 9.318+/-0.000 χ^2/NDF: 267010070762.4/58

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6698890.8/30

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8344586.0/35

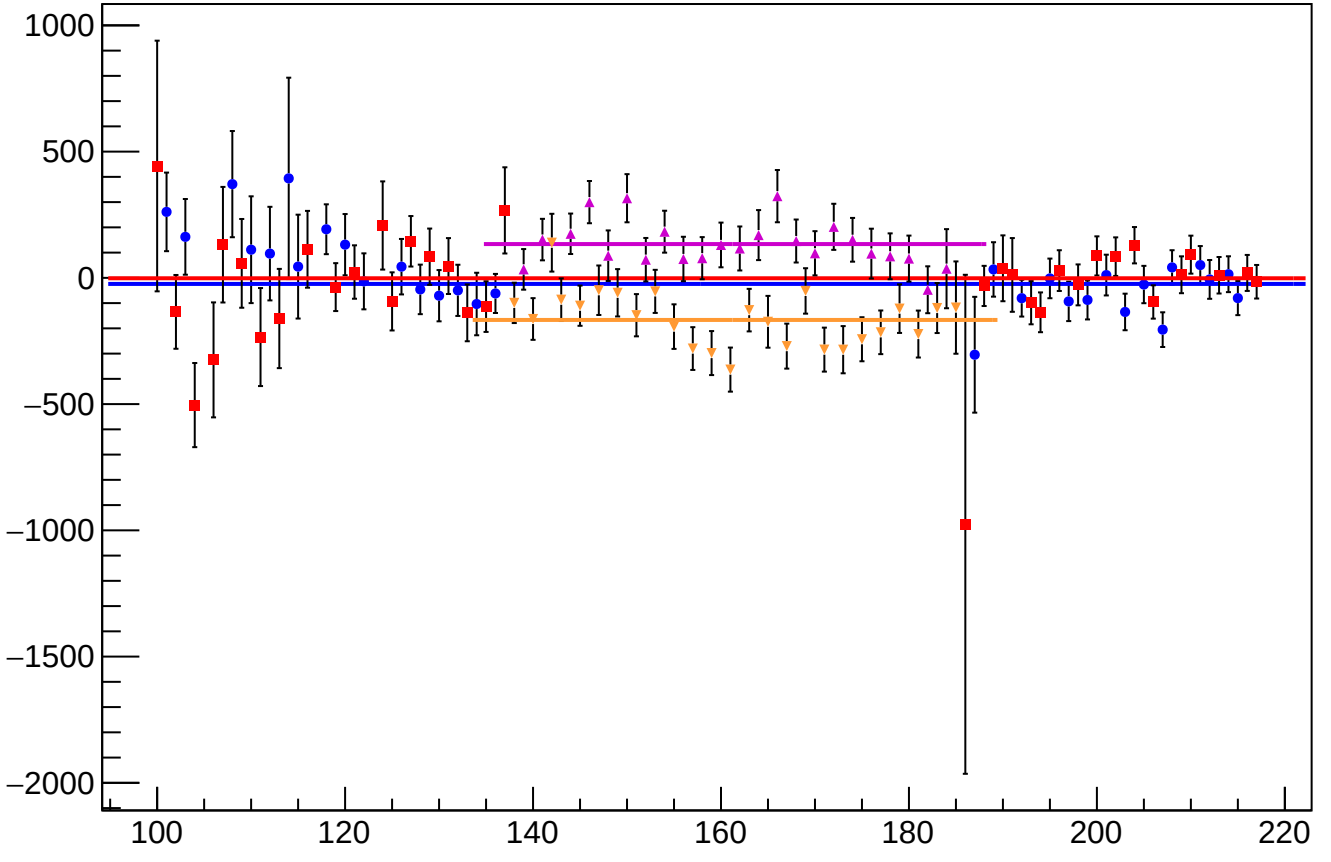
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 8538277.5/55

All: 0.007+/-0.000 χ^2/NDF: 18298606.7/114

- sign 0.007+/-0.000 χ^2/NDF: 9728471.3/58

reg_asym_sam1_mean vs Slug



Right In: -24.033+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.642+/-16.565 χ^2/NDF: 41.5/35

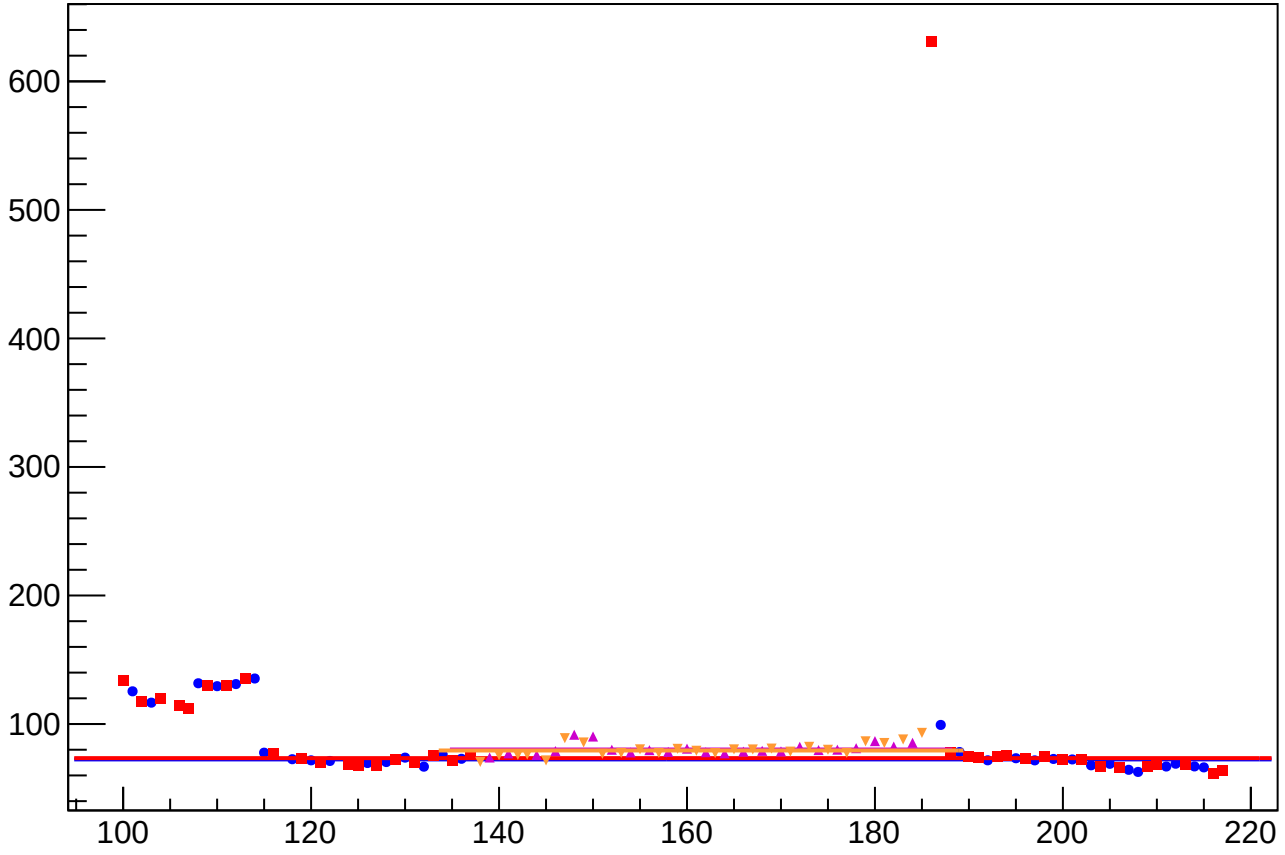
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -89.952+/-12.290 χ^2/NDF: 99.8/55

All: -16.864+/-8.735 χ^2/NDF: 262.8/114

- sign 57.730+/-12.416 χ^2/NDF: 91.6/58

reg_asym_sam1_rms vs Slug



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.1/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 73.458+/-0.012 χ^2/NDF: 1905266.7/35

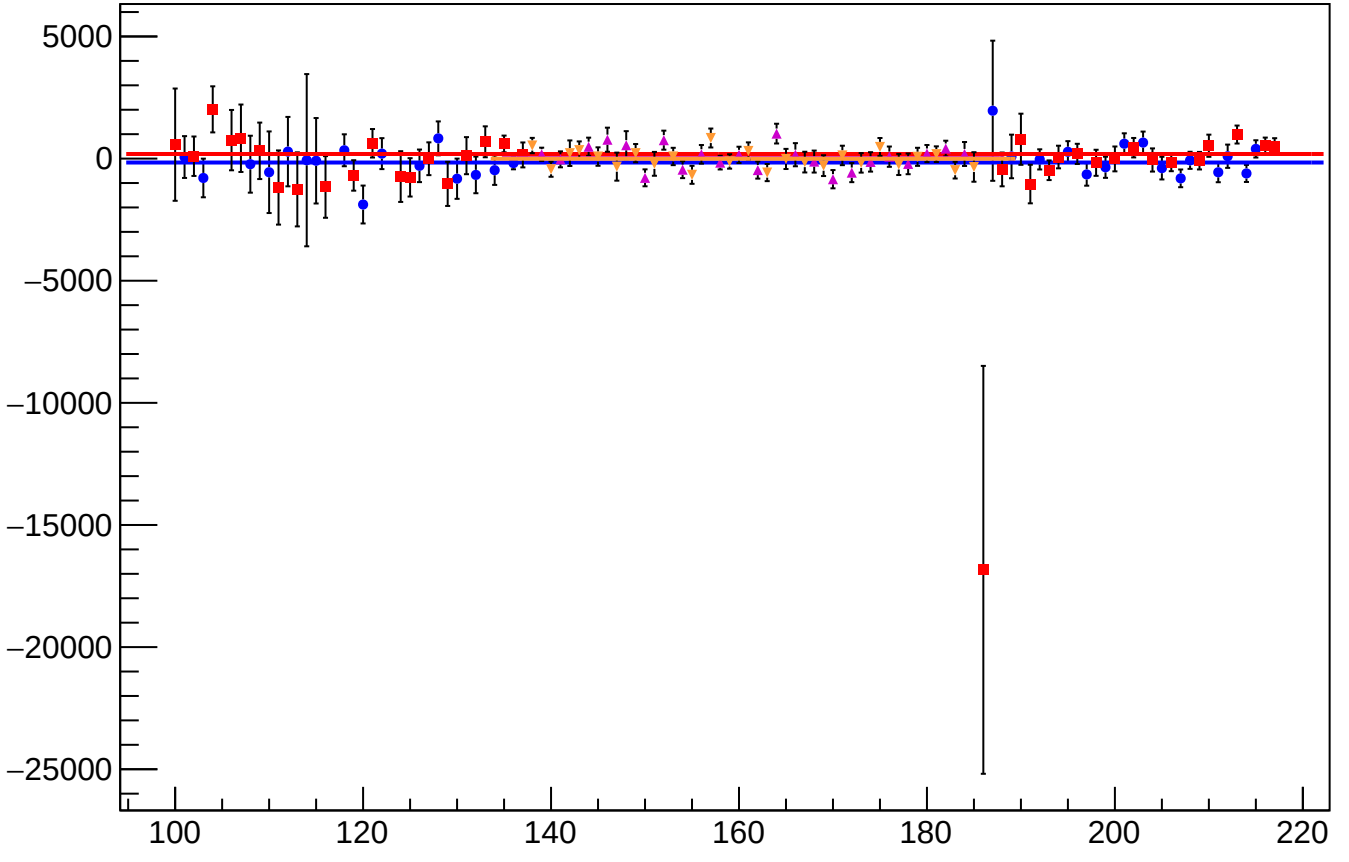
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.672+/-0.009 χ^2/NDF: 1423097.6/55

All: 76.030+/-0.006 χ^2/NDF: 3566726.2/114

- sign 76.395+/-0.009 χ^2/NDF: 2140202.6/58

asym_sam1_reg_correction_mean vs Slug



Right In: -160.575+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 188.556+/-90.857 χ^2/NDF: 36.8/35

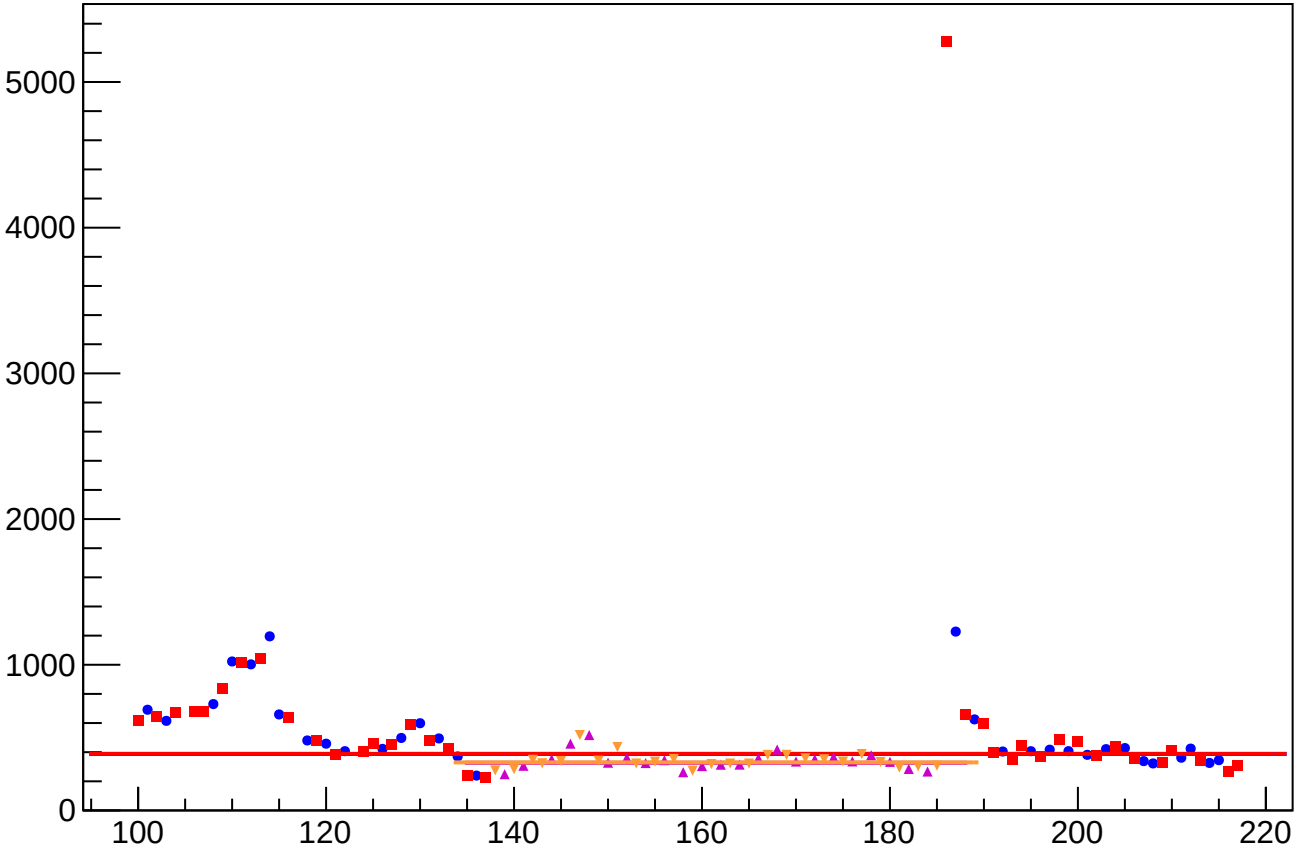
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -66.775+/-58.619 χ^2/NDF: 54.4/55

All: 11.442+/-41.577 χ^2/NDF: 131.8/114

- sign 90.626+/-58.981 χ^2/NDF: 73.8/58

asym_sam1_reg_correction_rms vs Slug



Right In: 387.505+/-0.065 χ^2/NDF: 2951563.9/30

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 388.589+/-0.064 χ^2/NDF: 4253637.3/35

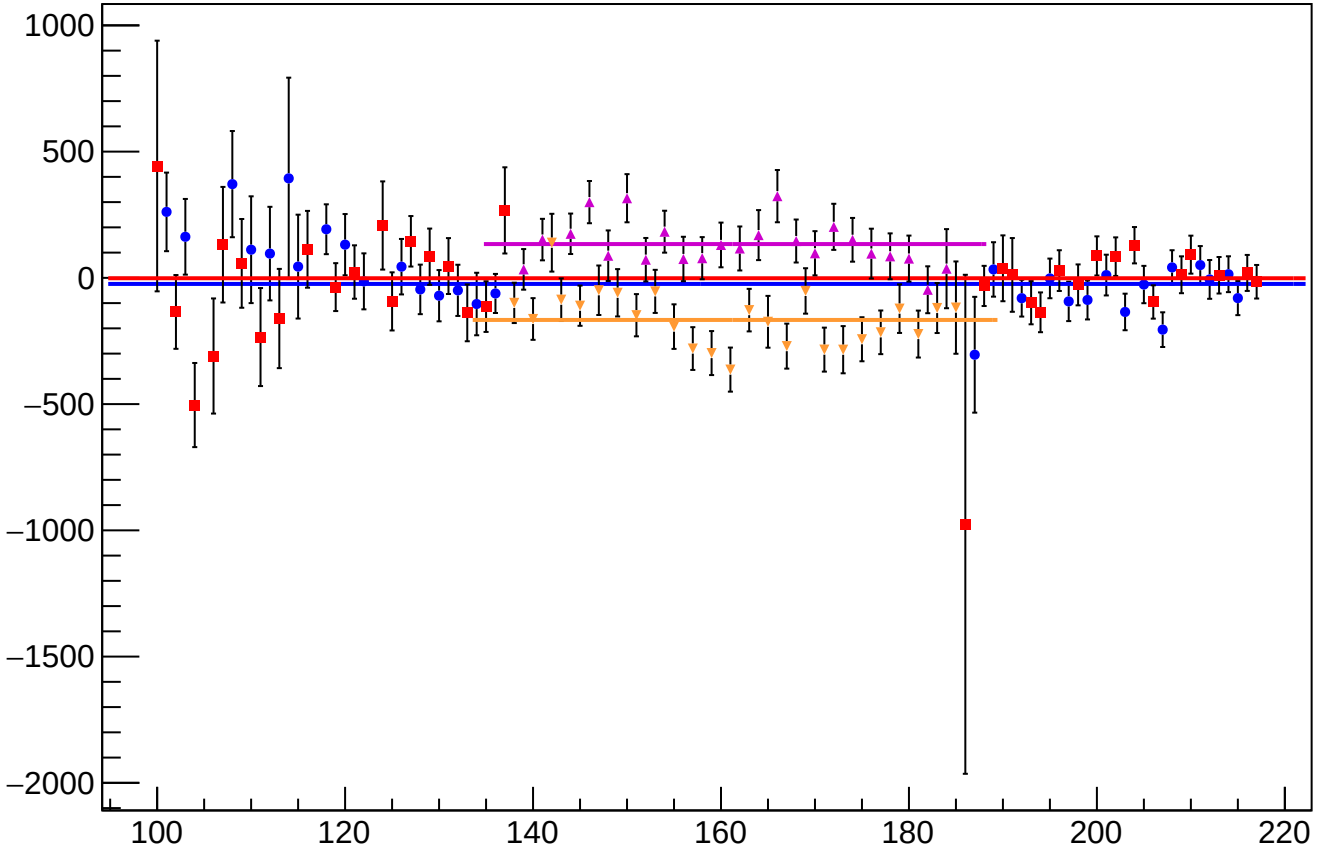
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 353.151+/-0.041 χ^2/NDF: 4074365.8/55

All: 353.043+/-0.029 χ^2/NDF: 9759703.0/114

- sign 352.933+/-0.042 χ^2/NDF: 5685323.4/58

cor_asym_sam1_mean vs Slug



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.555+/-16.565 χ^2/NDF: 41.3/35

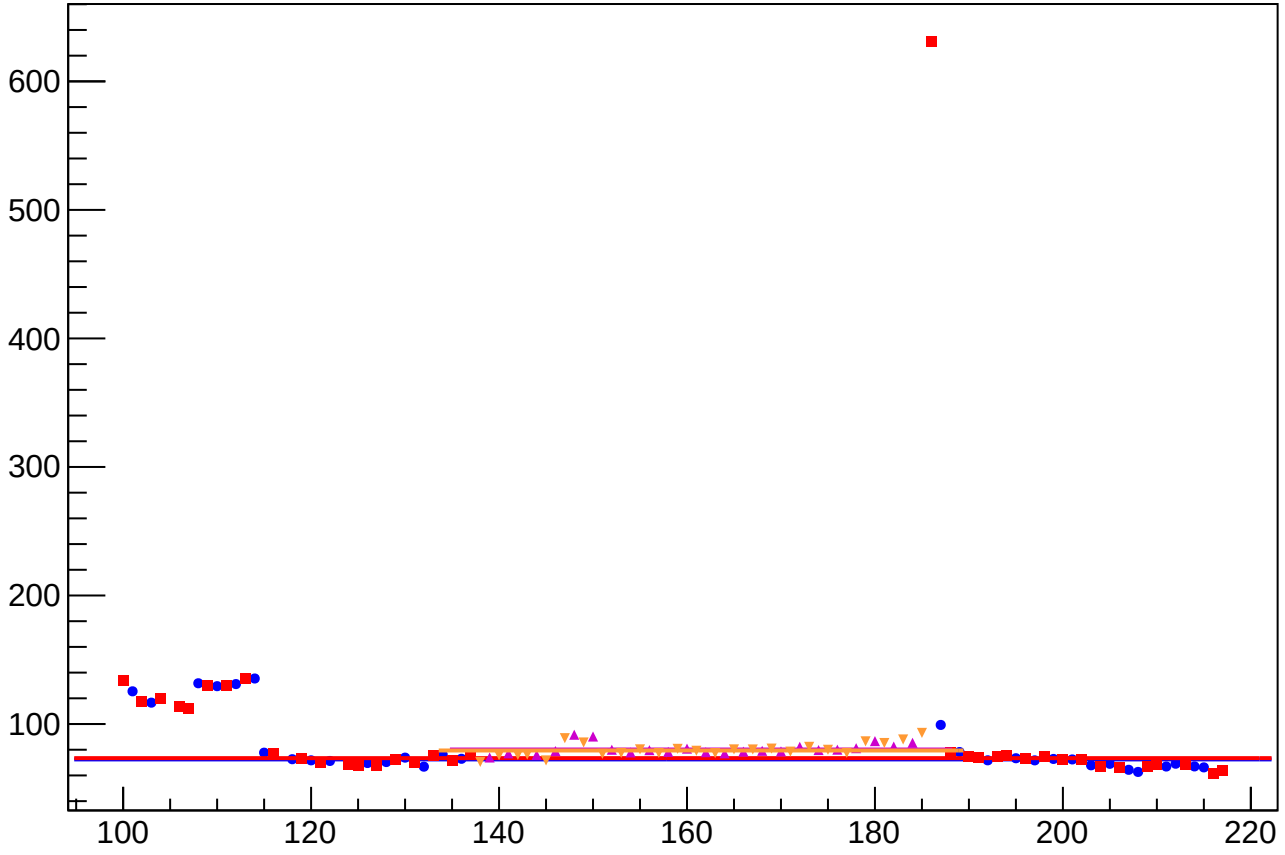
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -89.952+/-12.290 χ^2/NDF: 99.8/55

All: -16.839+/-8.735 χ^2/NDF: 262.7/114

- sign 57.782+/-12.416 χ^2/NDF: 91.4/58

cor_asym_sam1_rms vs Slug



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.3/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

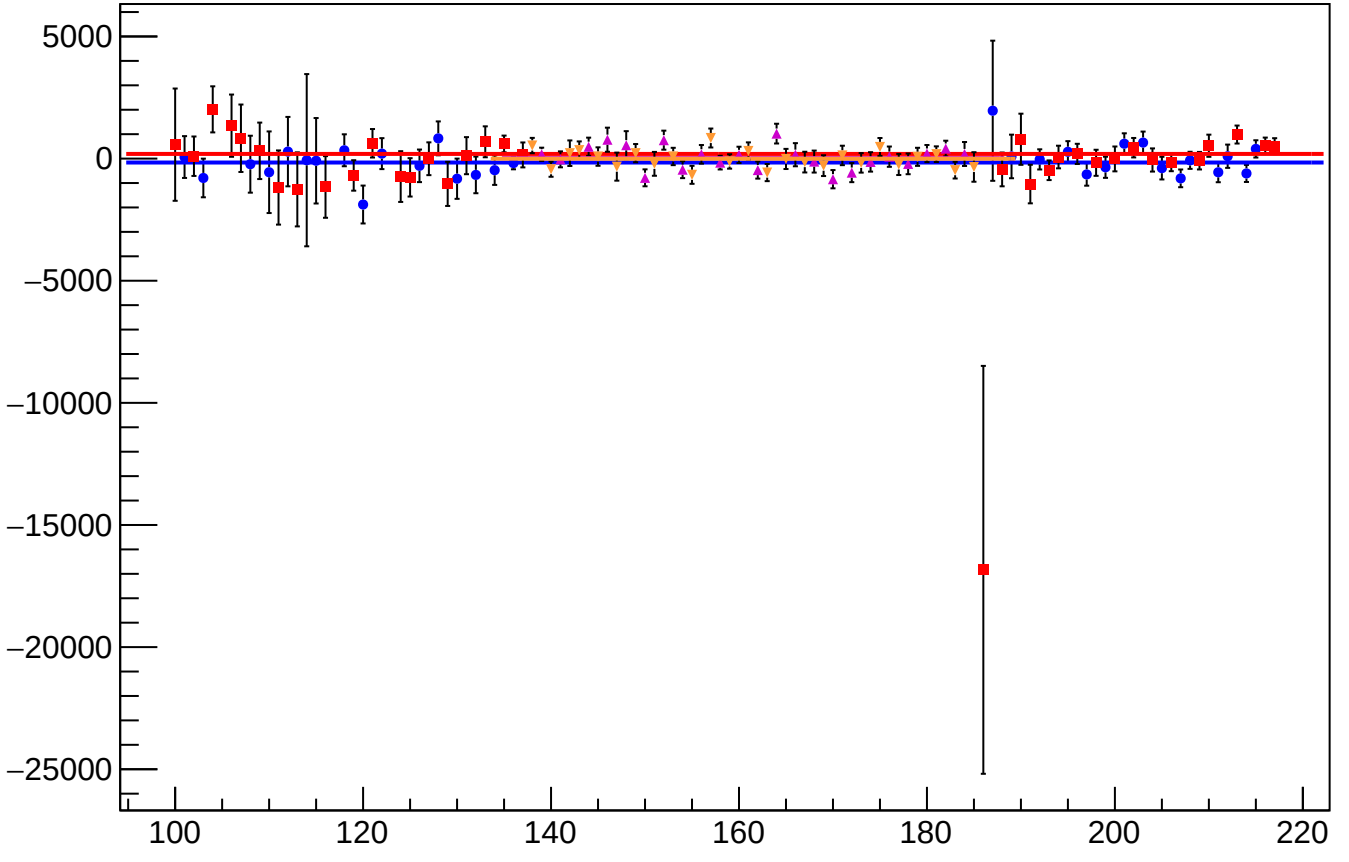
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.672+/-0.009 χ^2/NDF: 1423097.8/55

All: 76.029+/-0.006 χ^2/NDF: 3564479.6/114

- sign 76.393+/-0.009 χ^2/NDF: 2137978.9/58

asym_sam1_cor_correction_mean vs Slug



Right In: -160.579+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 191.385+/-90.871 χ^2/NDF: 37.4/35

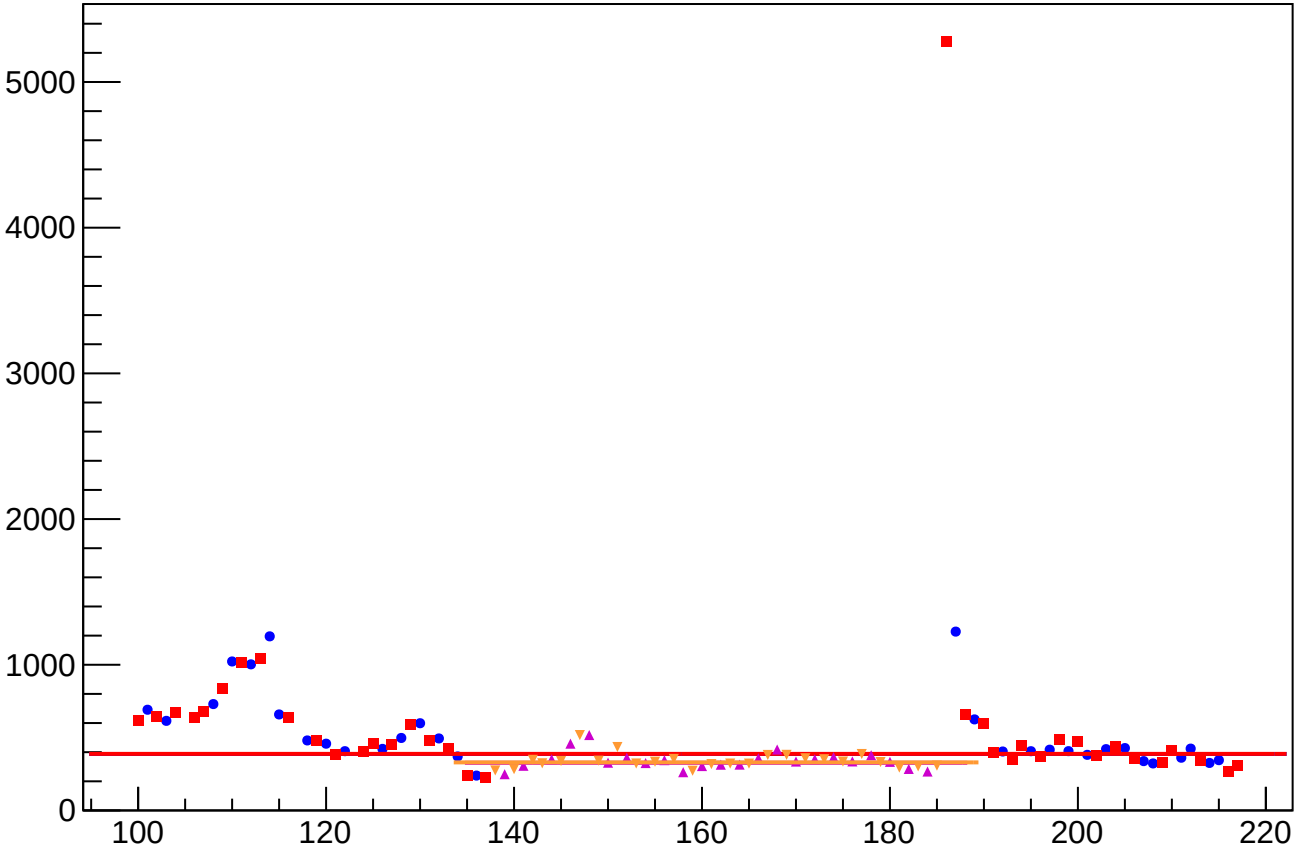
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -66.777+/-58.619 χ^2/NDF: 54.4/55

All: 12.023+/-41.579 χ^2/NDF: 132.5/114

- sign 91.808+/-58.985 χ^2/NDF: 74.5/58

asym_sam1_cor_correction_rms vs Slug



Right In: 387.505+/-0.065 χ^2/NDF: 2951560.5/30

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

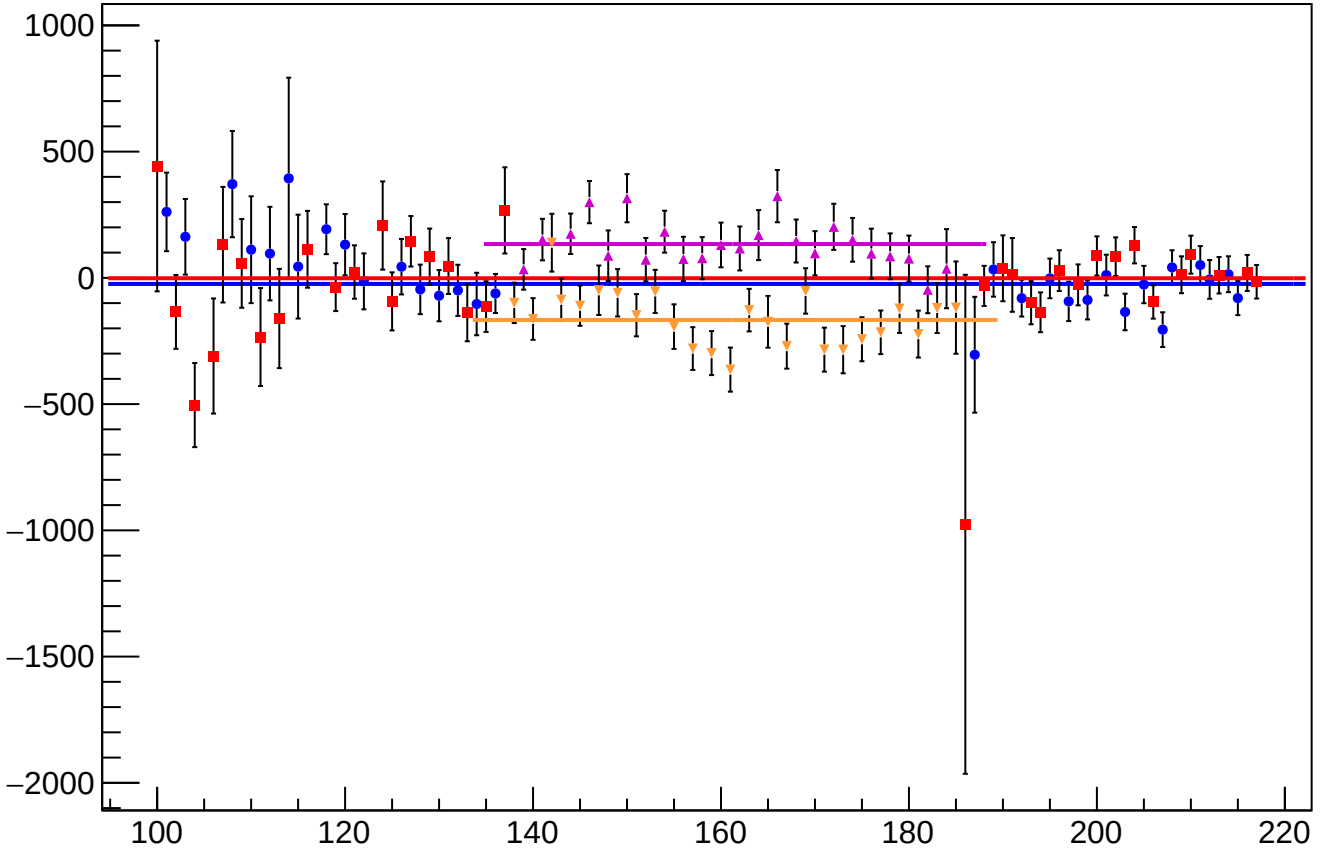
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.151+/-0.041 χ^2/NDF: 4074373.3/55

All: 352.979+/-0.029 χ^2/NDF: 9721632.9/114

- sign 352.805+/-0.042 χ^2/NDF: 5647224.8/58

eigen_cor_asym_sam1_mean vs Slug



Right In: -24.034+/-16.757 χ^2/NDF: 34.7/30

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.555+/-16.565 χ^2/NDF: 41.3/35

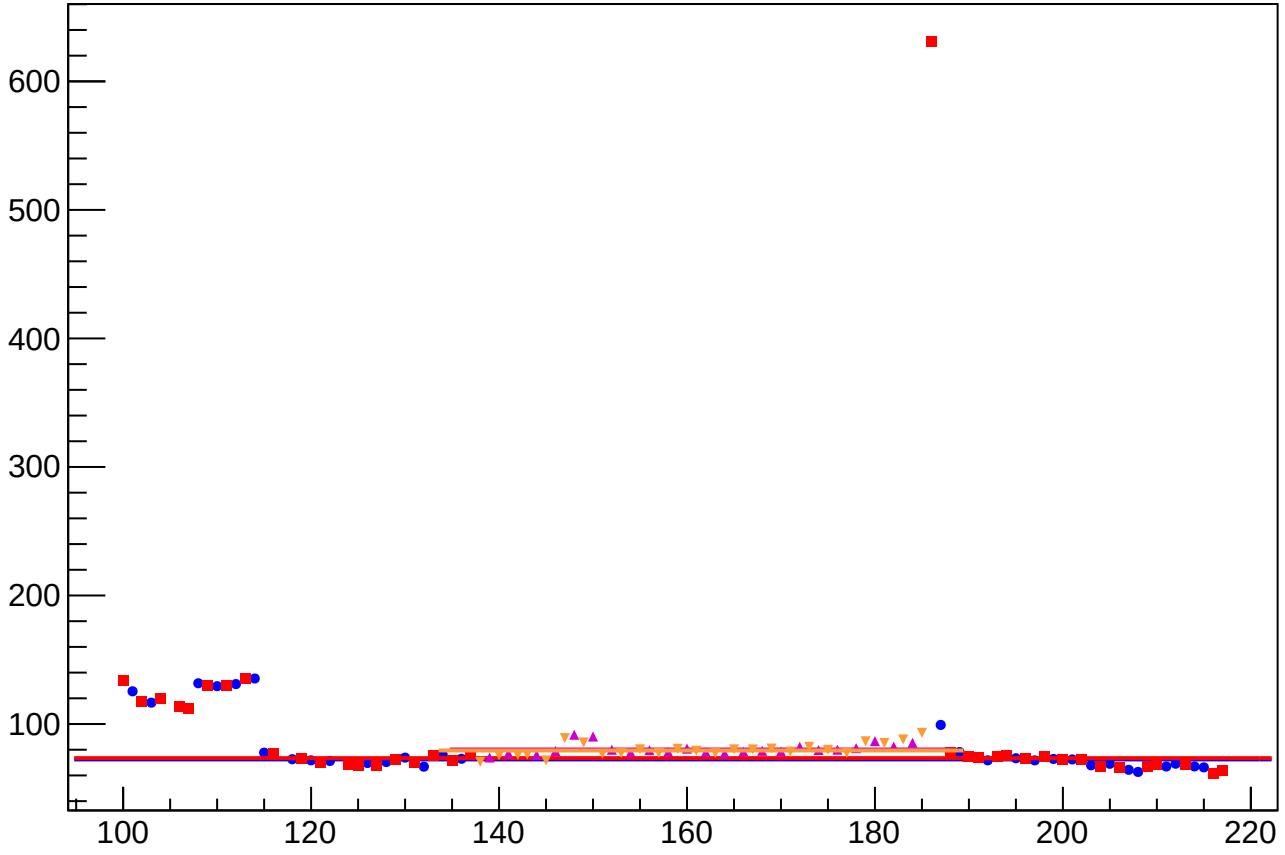
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -89.952+/-12.290 χ^2/NDF: 99.8/55

All: -16.839+/-8.735 χ^2/NDF: 262.7/114

- sign 57.782+/-12.416 χ^2/NDF: 91.4/58

eigen_cor_asym_sam1_rms vs Slug



Right In: 72.460+/-0.012 χ^2/NDF: 1129307.3/30

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

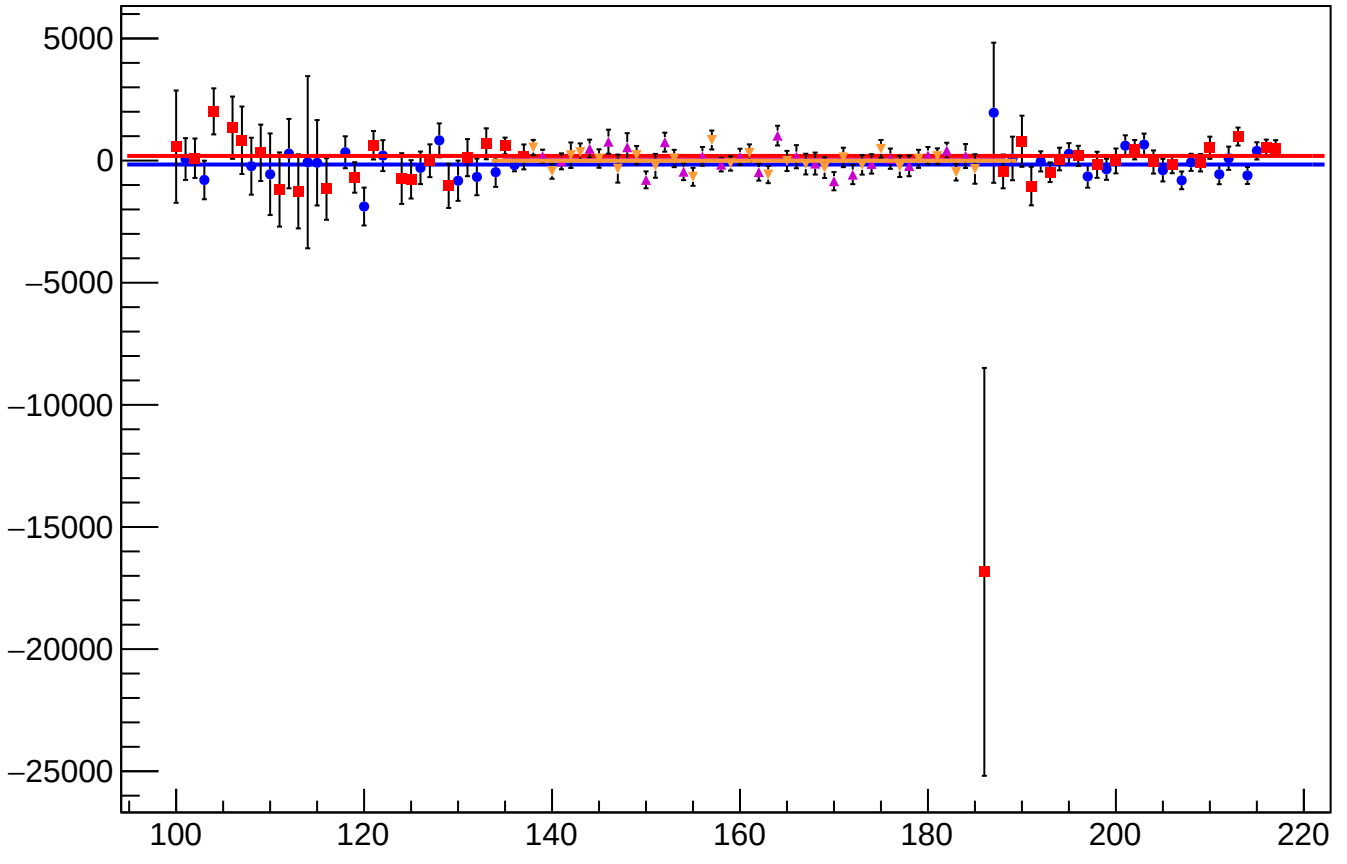
Right Out: 73.454+/-0.012 χ^2/NDF: 1902854.8/35

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.672+/-0.009 χ^2/NDF: 1423097.8/55

All: 76.029+/-0.006 χ^2/NDF: 3564479.6/114

- sign 76.393+/-0.009 χ^2/NDF: 2137978.9/58



Right In: -160.579+/-92.347 χ^2/NDF: 28.6/30

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 191.385+/-90.871 χ^2/NDF: 37.4/35

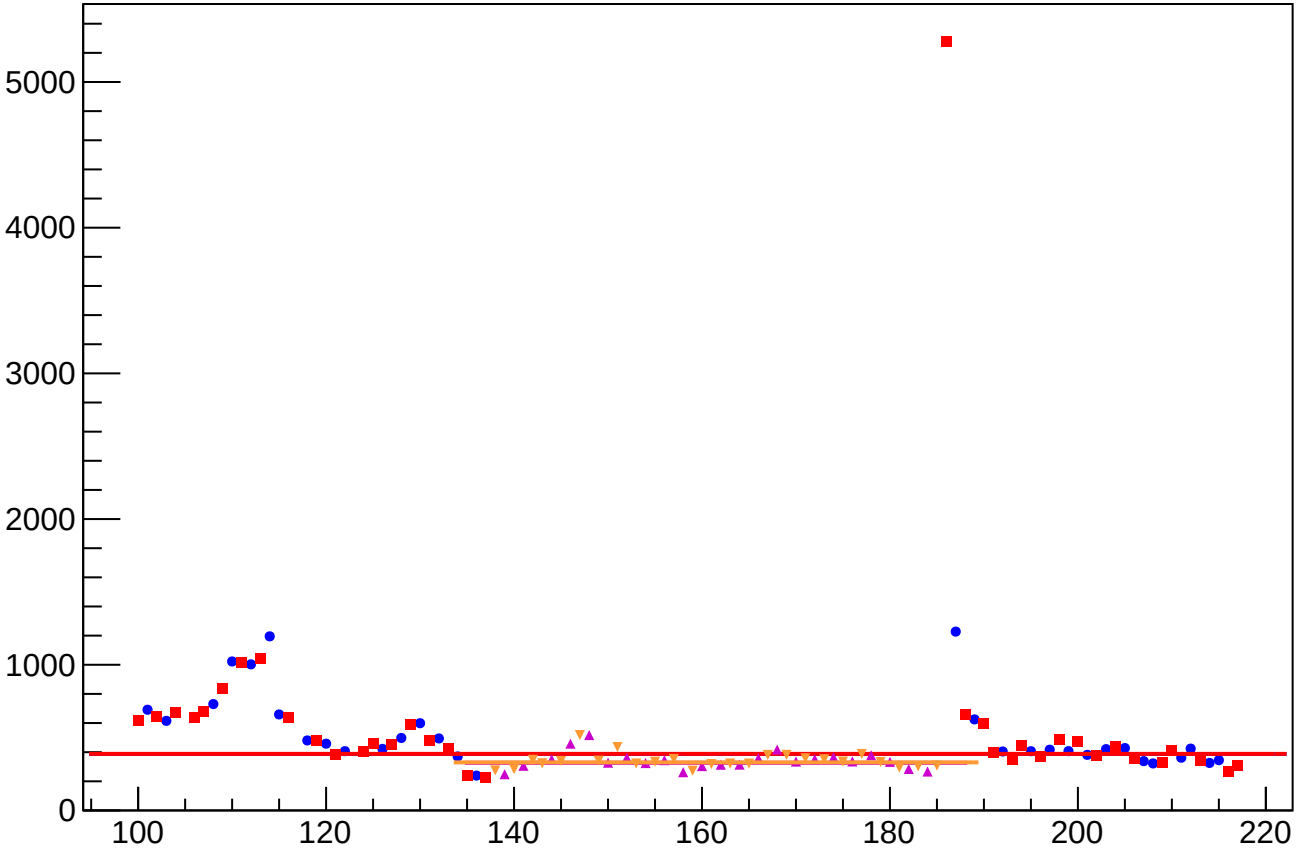
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -66.777+/-58.619 χ^2/NDF: 54.4/55

All: 12.023+/-41.579 χ^2/NDF: 132.5/114

- sign 91.808+/-58.985 χ^2/NDF: 74.5/58

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 387.505+/-0.065 χ^2/NDF: 2951560.5/30

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 388.295+/-0.064 χ^2/NDF: 4220702.7/35

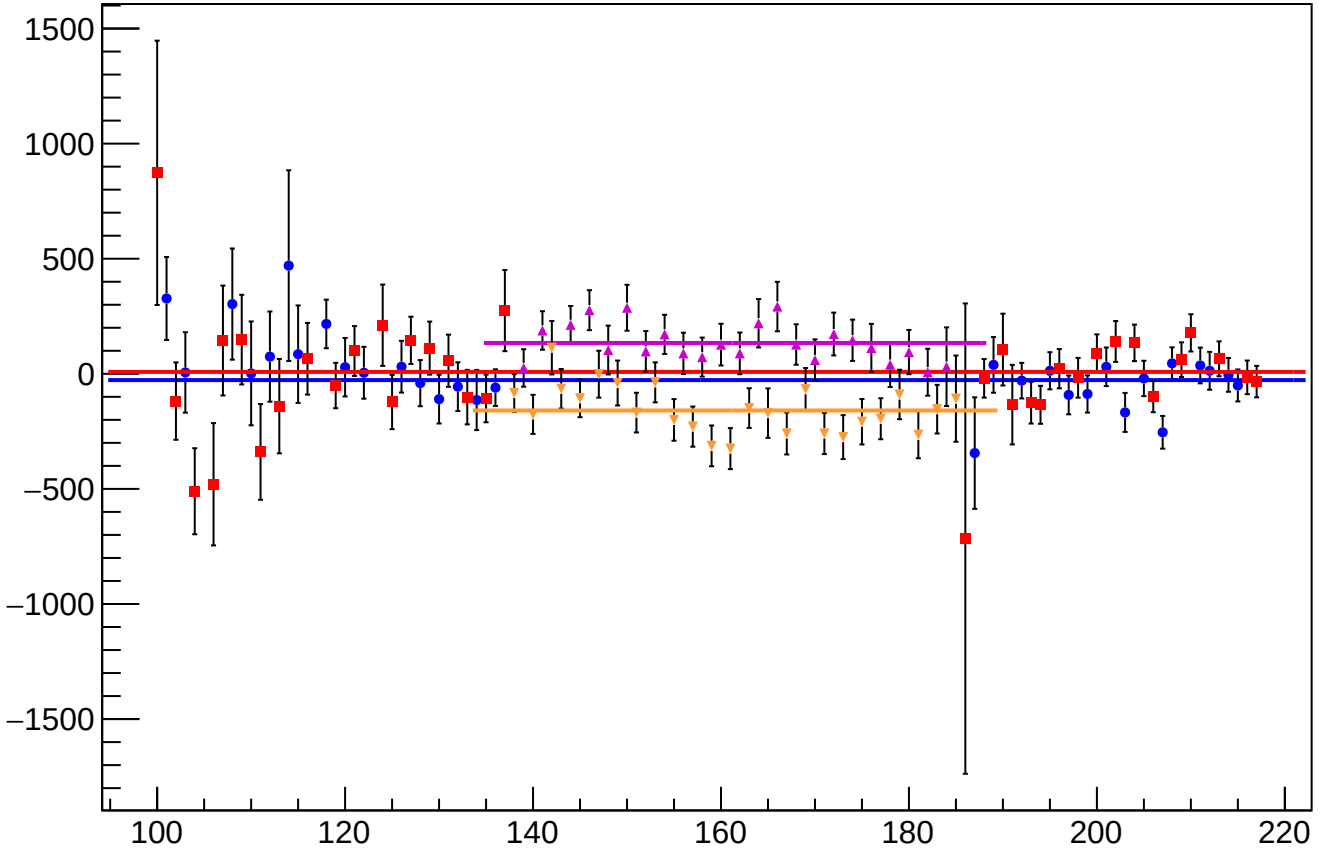
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.151+/-0.041 χ^2/NDF: 4074373.3/55

All: 352.979+/-0.029 χ^2/NDF: 9721632.9/114

- sign 352.805+/-0.042 χ^2/NDF: 5647224.8/58

dit_asym_sam1_mean vs Slug



Right In: -27.325+/-17.617 χ^2/NDF: 34.0/30

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.290+/-17.493 χ^2/NDF: 50.2/35

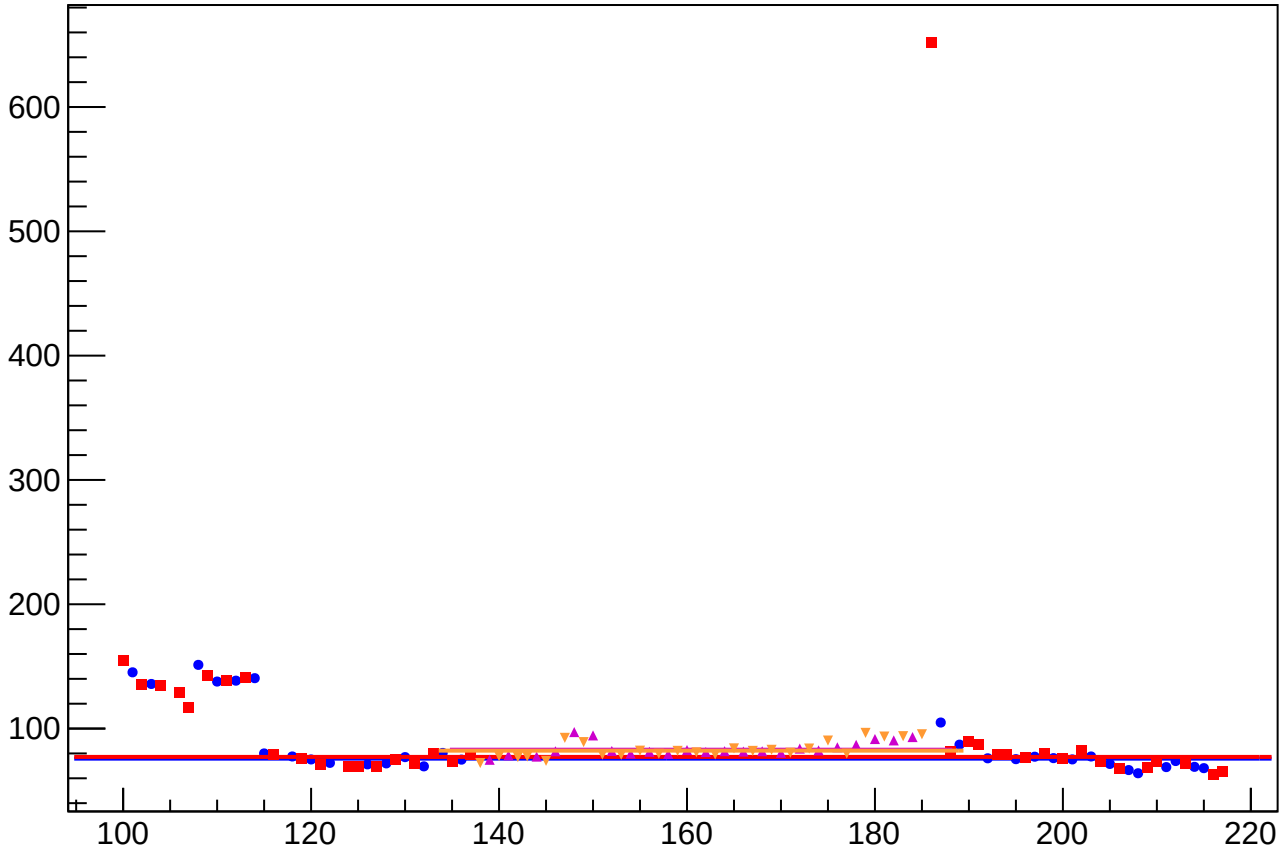
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -89.172+/-12.839 χ^2/NDF: 88.4/55

All: -13.298+/-9.136 χ^2/NDF: 248.9/114

- sign 64.538+/-13.004 χ^2/NDF: 89.7/58

dit_asym_sam1_rms vs Slug



Right In: 75.815+/-0.012 χ^2/NDF: 1354127.0/30

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 77.201+/-0.012 χ^2/NDF: 2119580.6/35

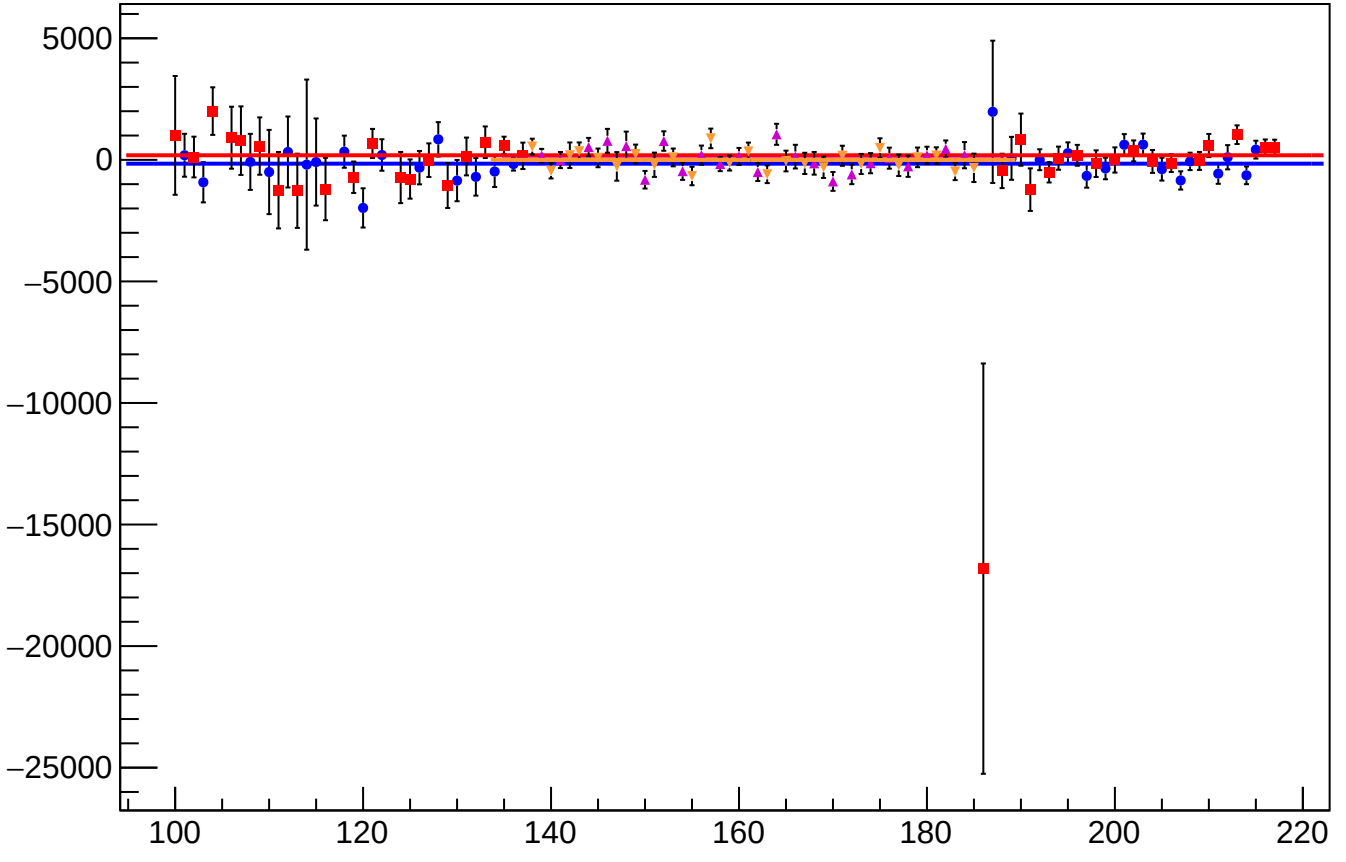
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 78.831+/-0.009 χ^2/NDF: 1695697.0/55

All: 79.306+/-0.006 χ^2/NDF: 4064515.0/114

- sign 79.793+/-0.009 χ^2/NDF: 2363280.1/58

asym_sam1_dit_correction_mean vs Slug



Right In: -157.418+/-95.366 χ^2/NDF: 28.8/30

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 187.475+/-94.115 χ^2/NDF: 36.1/35

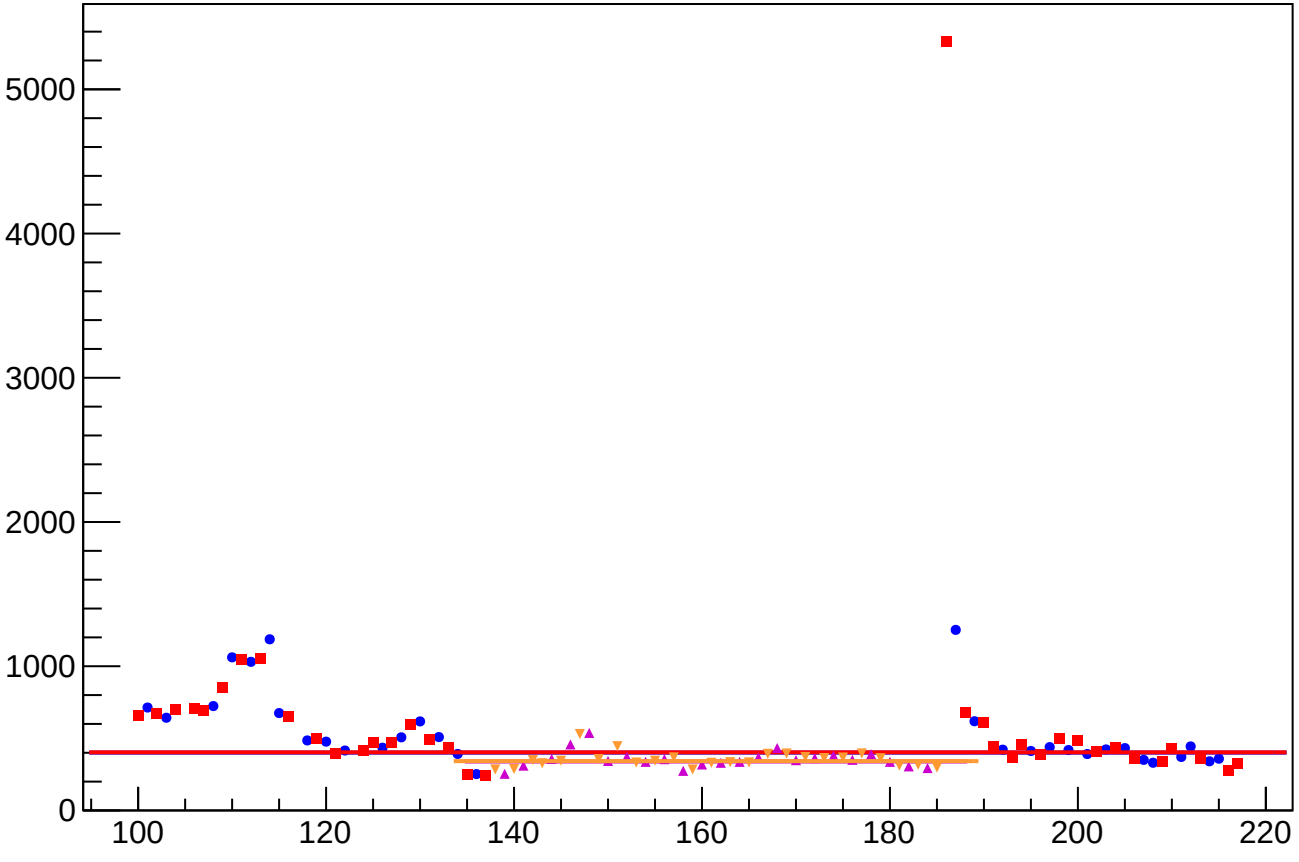
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -65.503+/-60.646 χ^2/NDF: 53.9/55

All: 10.956+/-43.055 χ^2/NDF: 130.0/114

- sign 88.654+/-61.135 χ^2/NDF: 72.9/58

asym_sam1_dit_correction_rms vs Slug



Right In: 400.986+/-0.067 χ^2/NDF: 2825681.8/30

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 403.112+/-0.067 χ^2/NDF: 4145223.7/35

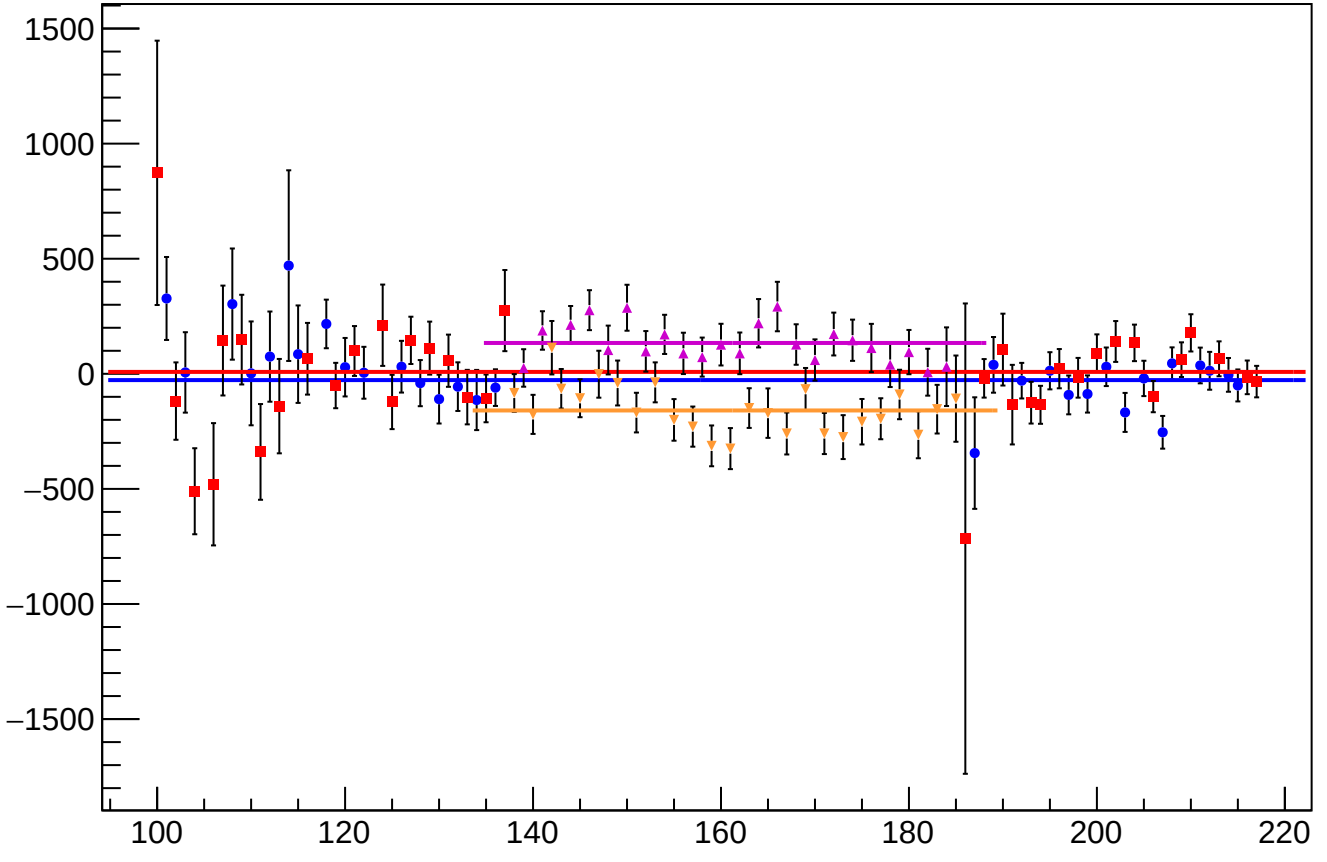
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 365.805+/-0.043 χ^2/NDF: 3936600.9/55

All: 366.051+/-0.030 χ^2/NDF: 9457909.6/114

- sign 366.301+/-0.043 χ^2/NDF: 5521242.4/58

eigen_dit_asym_sam1_mean vs Slug



Right In: -27.324+/-17.617 χ^2/NDF: 34.0/30

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.290+/-17.493 χ^2/NDF: 50.2/35

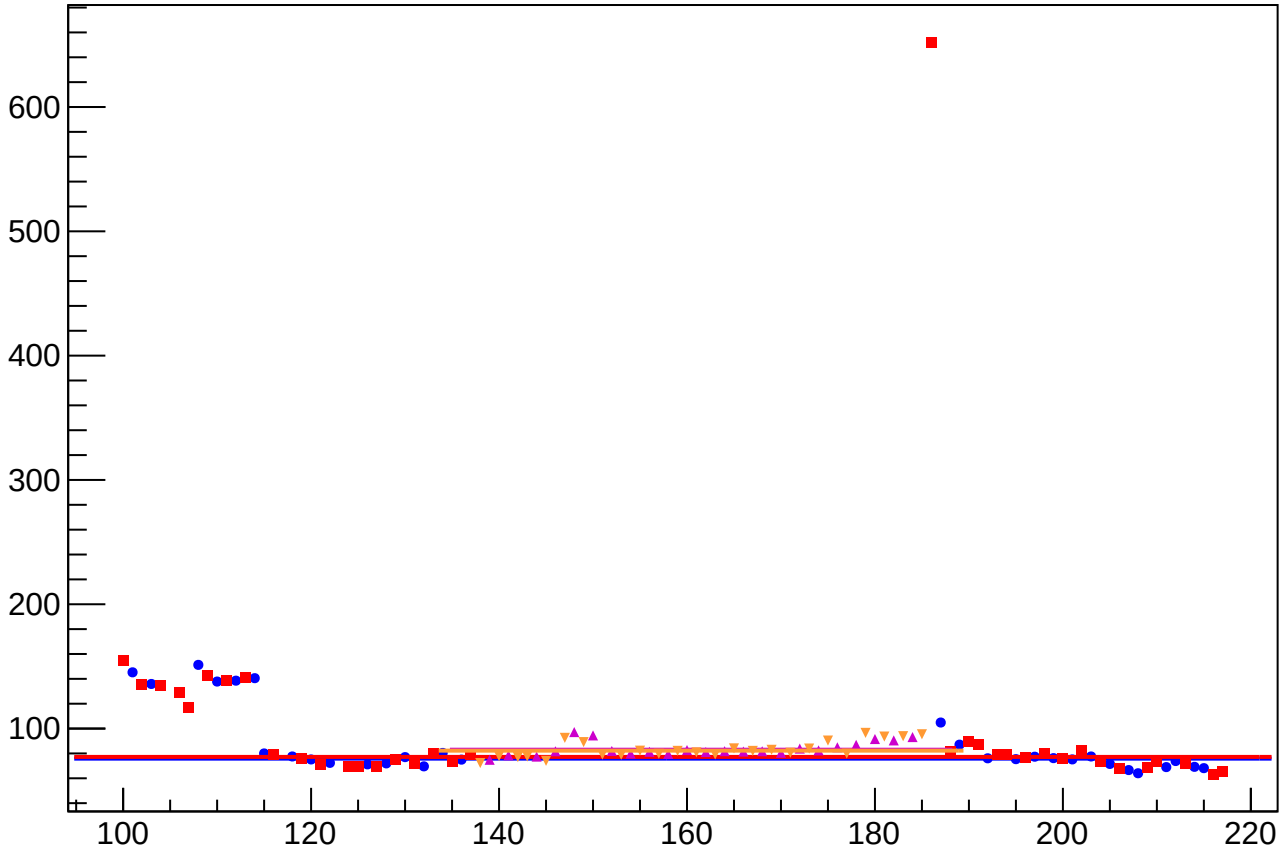
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -89.171+/-12.839 χ^2/NDF: 88.4/55

All: -13.297+/-9.136 χ^2/NDF: 248.9/114

- sign 64.539+/-13.004 χ^2/NDF: 89.7/58

eigen_dit_asym_sam1_rms vs Slug



Right In: 75.815+/-0.012 χ^2/NDF: 1354128.6/30

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 77.201+/-0.012 χ^2/NDF: 2119581.2/35

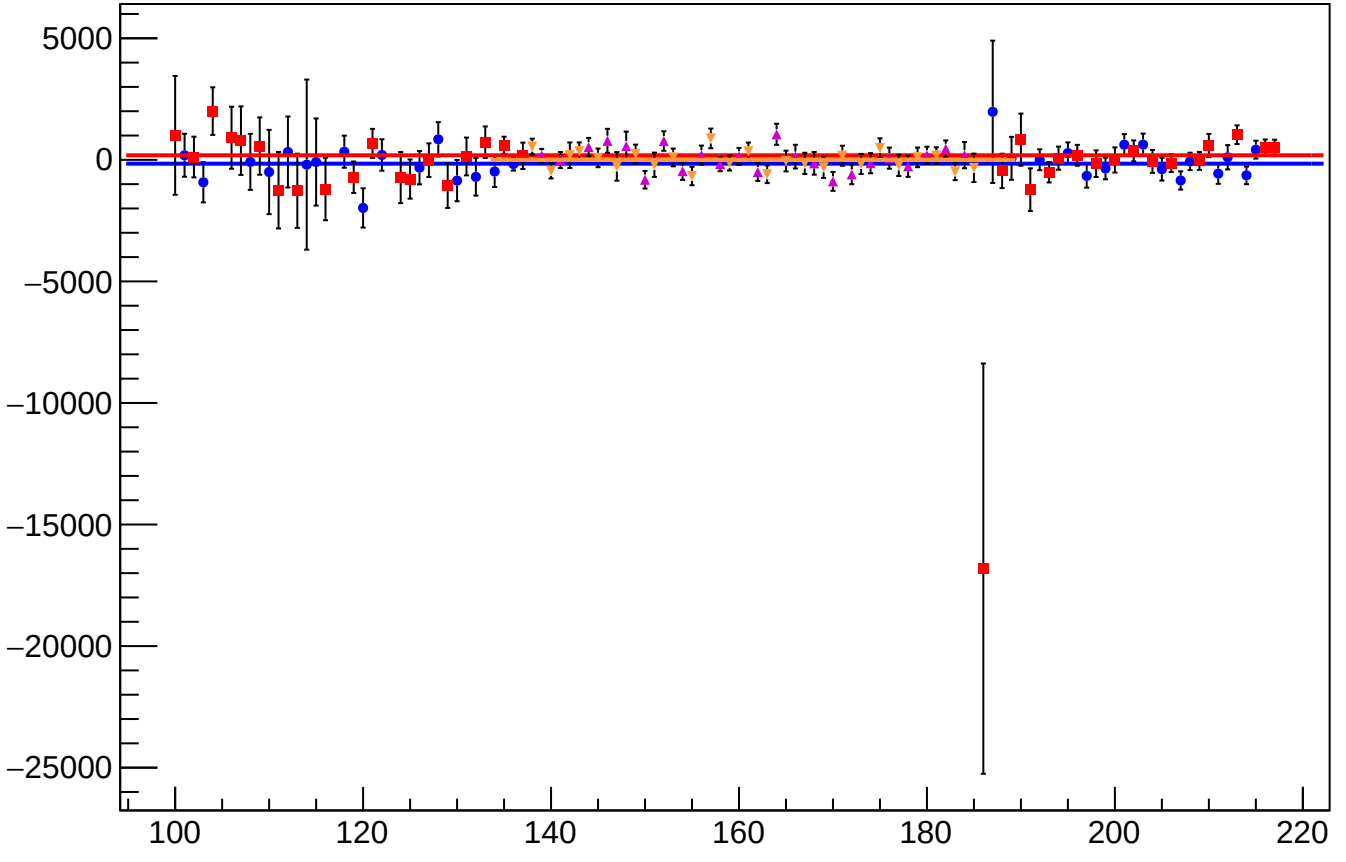
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 78.831+/-0.009 χ^2/NDF: 1695703.6/55

All: 79.306+/-0.006 χ^2/NDF: 4064524.9/114

- sign 79.792+/-0.009 χ^2/NDF: 2363283.6/58

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -157.416+/-95.366 χ^2/NDF: 28.8/30

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 187.476+/-94.114 χ^2/NDF: 36.1/35

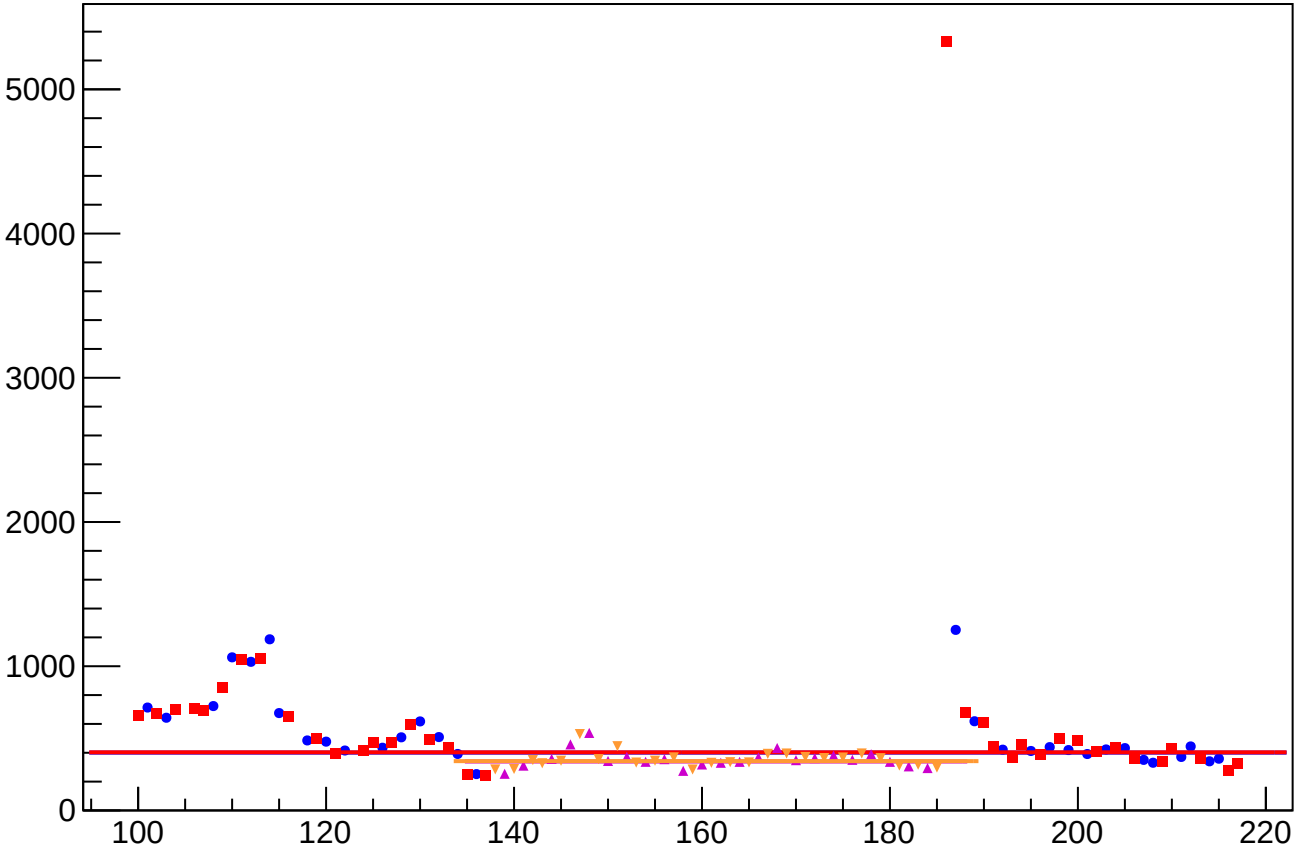
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -65.502+/-60.646 χ^2/NDF: 53.9/55

All: 10.957+/-43.055 χ^2/NDF: 130.0/114

- sign 88.655+/-61.135 χ^2/NDF: 72.9/58

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 400.985+/-0.067 χ^2/NDF: 2825686.5/30

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 403.111+/-0.067 χ^2/NDF: 4145231.3/35

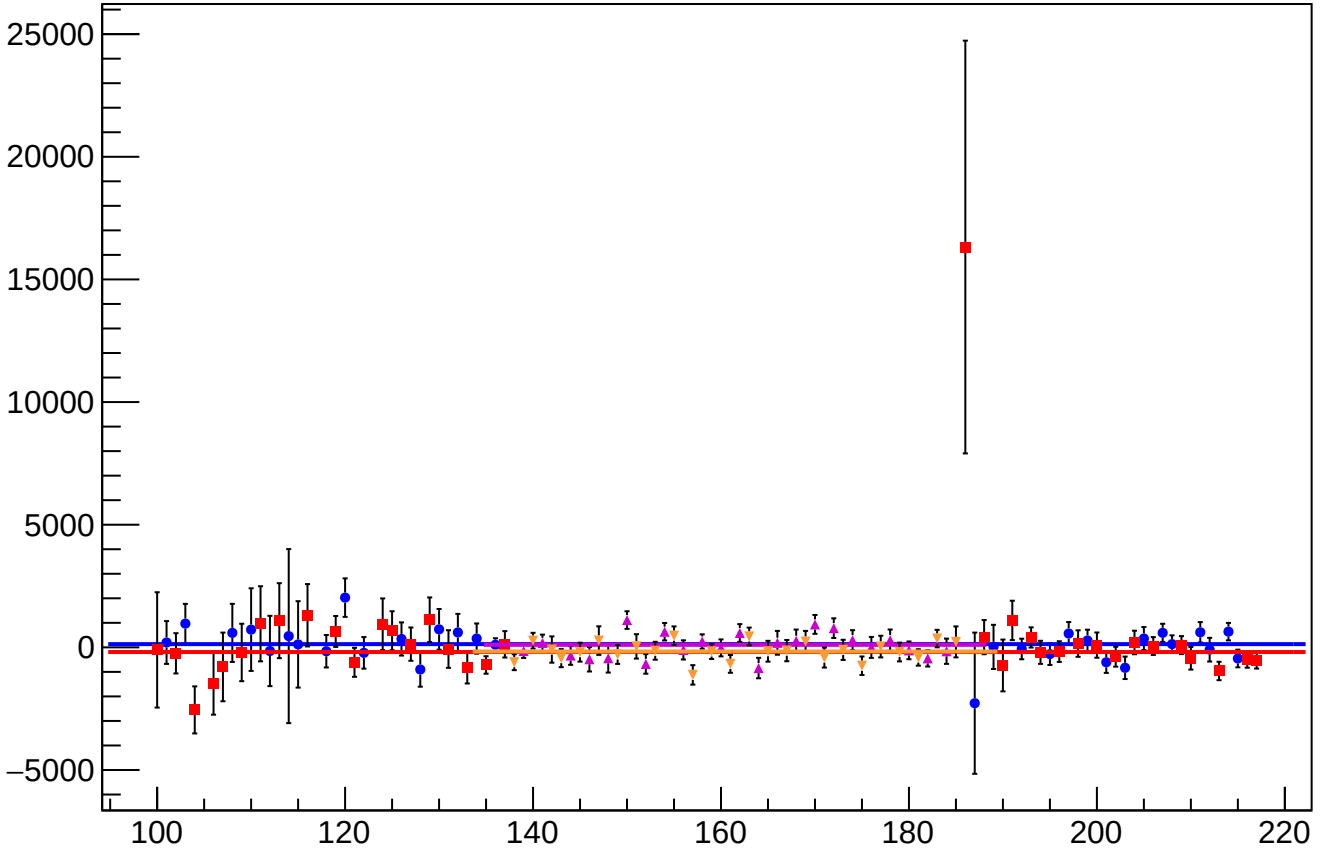
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 365.804+/-0.043 χ^2/NDF: 3936596.8/55

All: 366.050+/-0.030 χ^2/NDF: 9457903.6/114

- sign 366.300+/-0.043 χ^2/NDF: 5521240.6/58

asym_sam1_mean vs Slug



Right In: 131.522+/-94.237 χ^2/NDF: 29.2/30

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -190.367+/-92.747 χ^2/NDF: 39.1/35

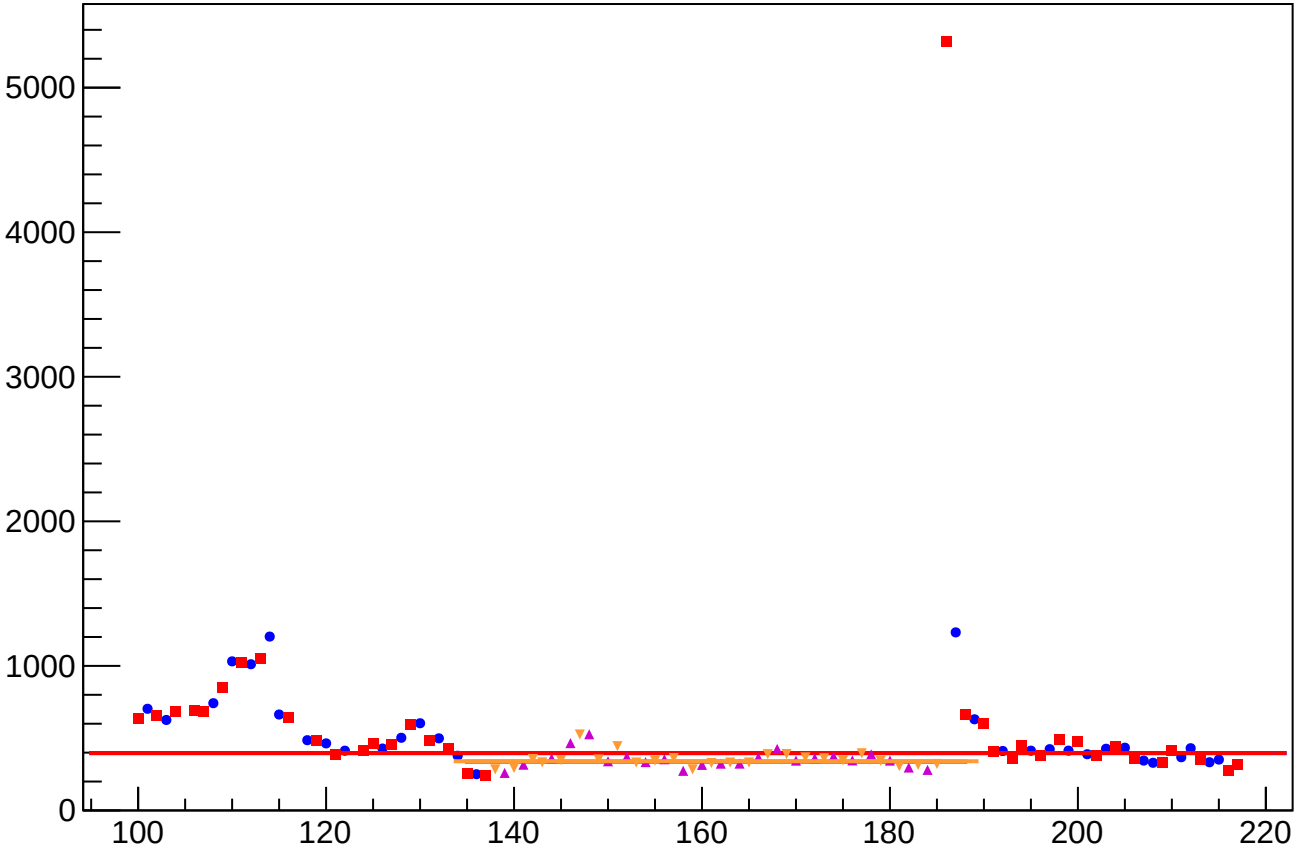
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -45.528+/-60.169 χ^2/NDF: 60.7/55

All: -33.626+/-42.689 χ^2/NDF: 143.1/114

- sign -21.562+/-60.576 χ^2/NDF: 82.3/58

asym_sam1_rms vs Slug



Right In: 396.309+/-0.067 χ^2/NDF: 2812651.2/30

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 397.556+/-0.066 χ^2/NDF: 4093812.4/35

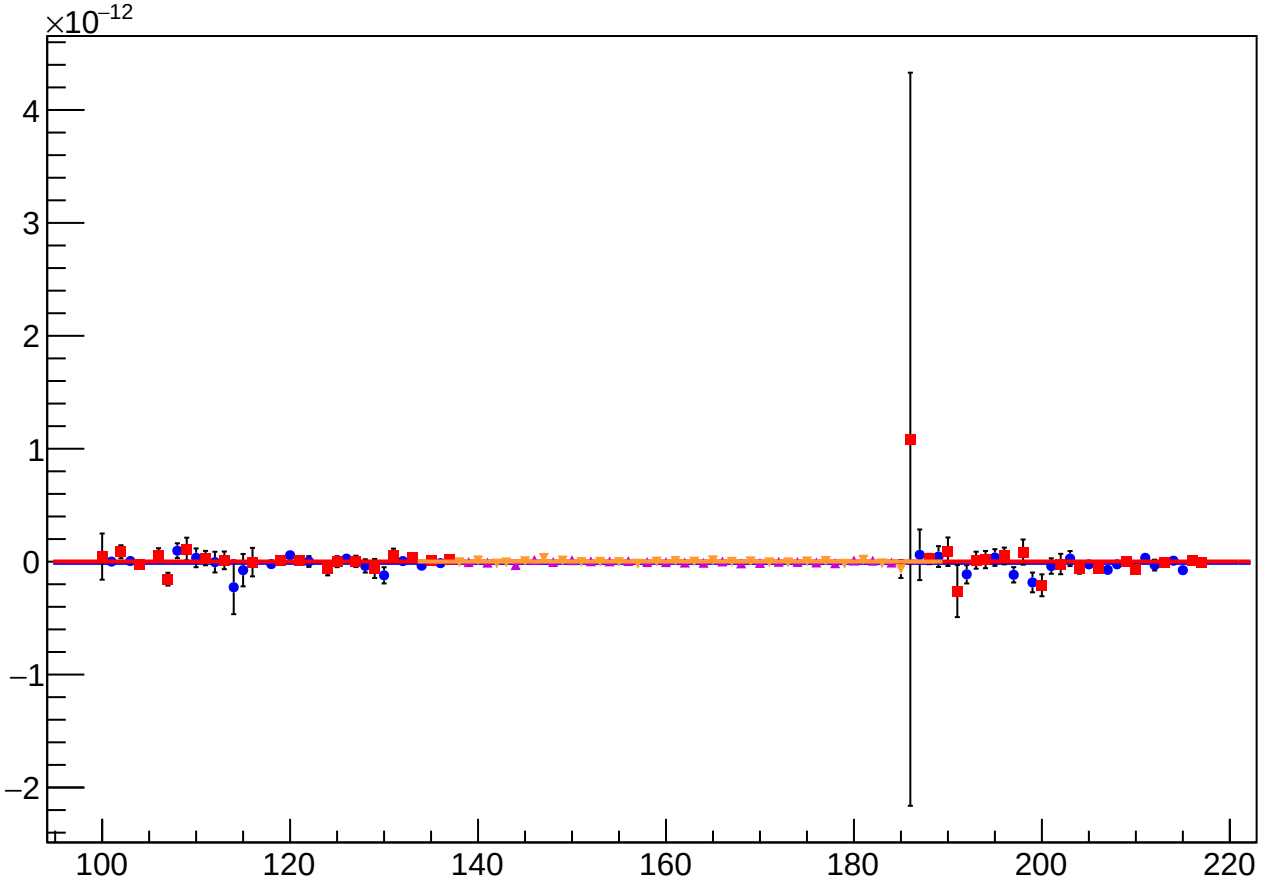
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.187+/-0.043 χ^2/NDF: 3833915.6/55

All: 363.227+/-0.030 χ^2/NDF: 9225124.1/114

- sign 363.267+/-0.043 χ^2/NDF: 5391206.7/58

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

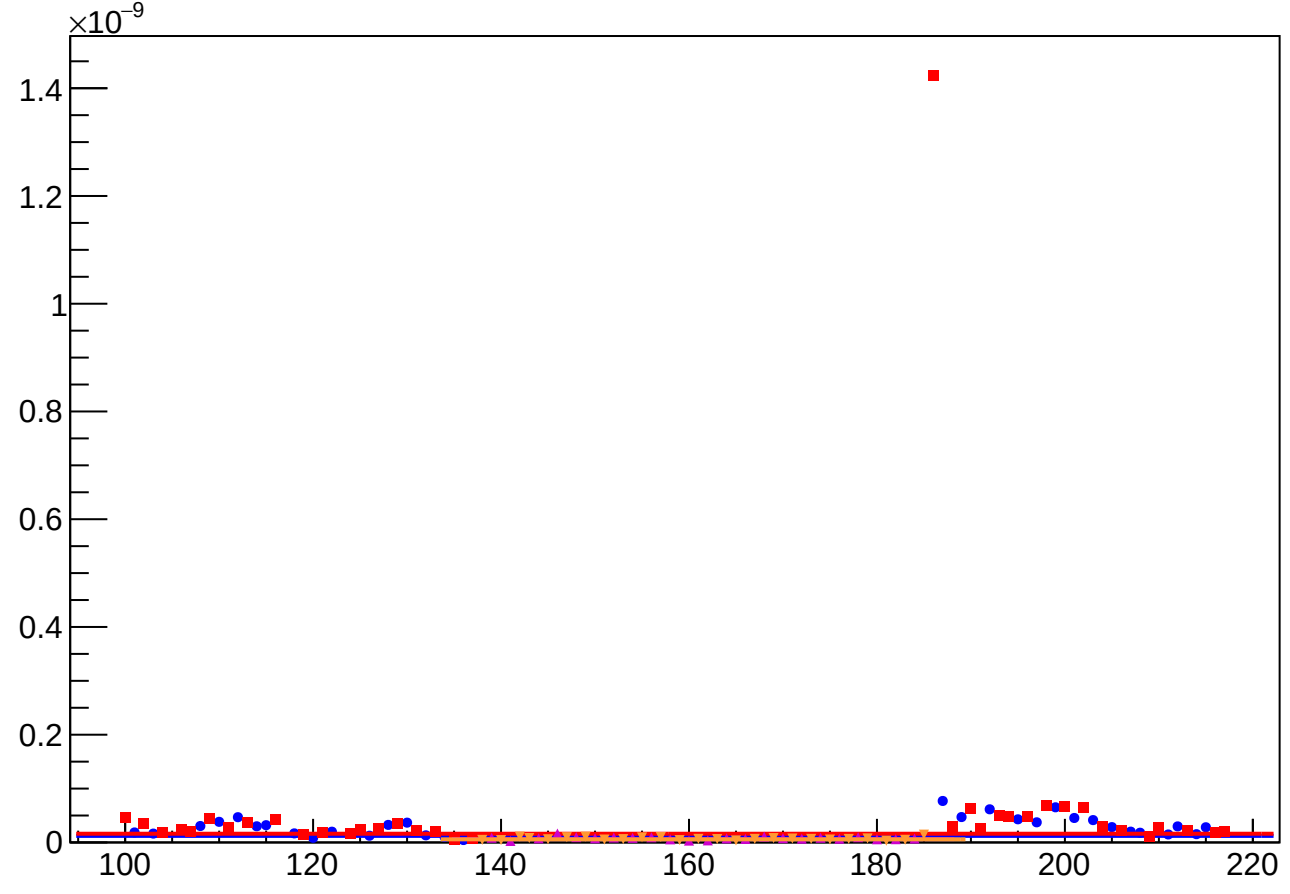
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/35

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.4/55

All: -0.000+/-0.000 χ^2/NDF: 103.6/114

- sign -0.000+/-0.000 χ^2/NDF: 46.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 8120051.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7428606.9/35

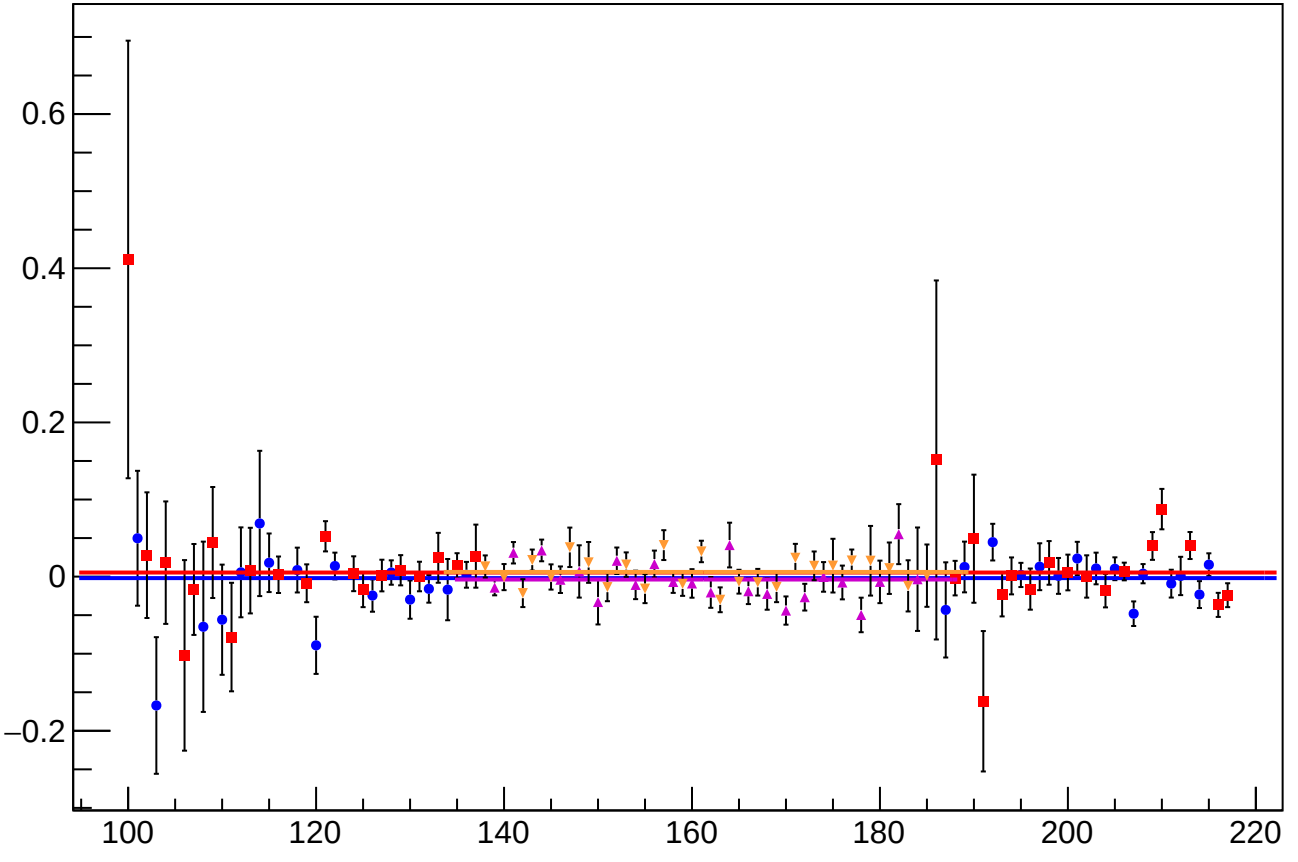
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11690306.5/55

All: 0.000+/-0.000 χ^2/NDF: 25326290.6/114

- sign 0.000+/-0.000 χ^2/NDF: 13512140.8/58

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

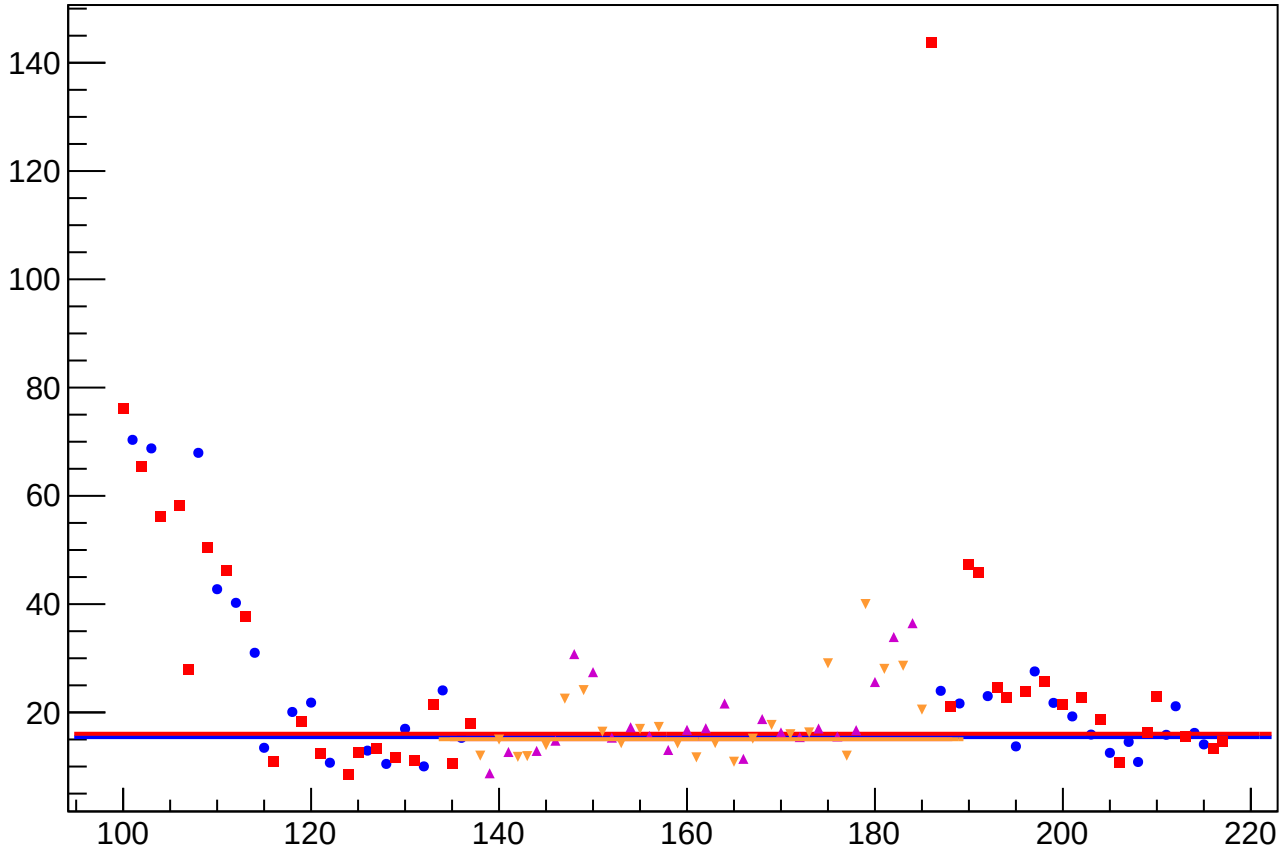
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 63.3/55

All: 0.001+/-0.002 χ^2/NDF: 151.8/114

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.436+/-0.003 χ^2/NDF: 4793415.4/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

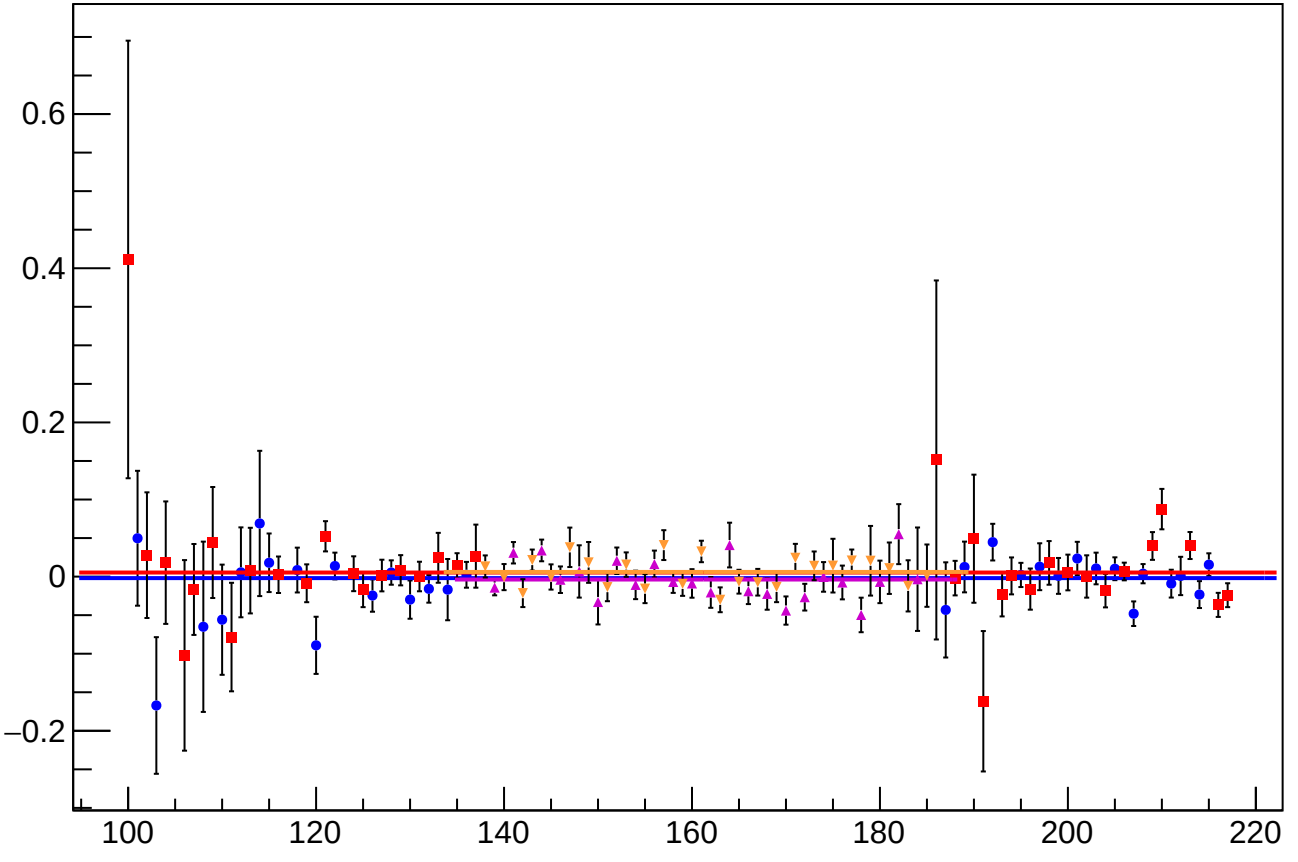
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

\+ sign 15.227+/-0.002 χ^2/NDF: 7561917.2/55

All: 15.377+/-0.001 χ^2/NDF: 17342826.1/114

\- sign 15.536+/-0.002 χ^2/NDF: 9768204.9/58

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

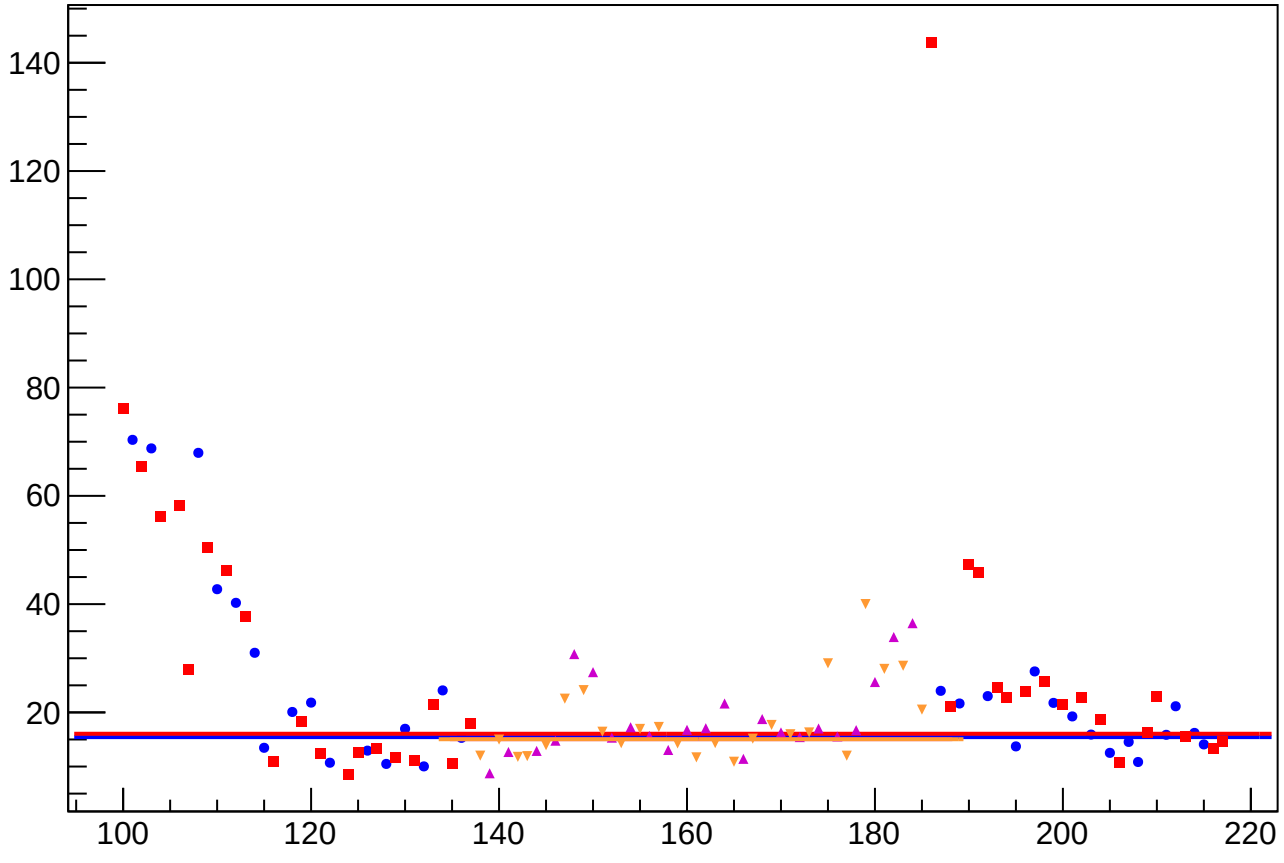
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 63.3/55

All: 0.001+/-0.002 χ^2/NDF: 151.8/114

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.436+/-0.003 χ^2/NDF: 4793415.4/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

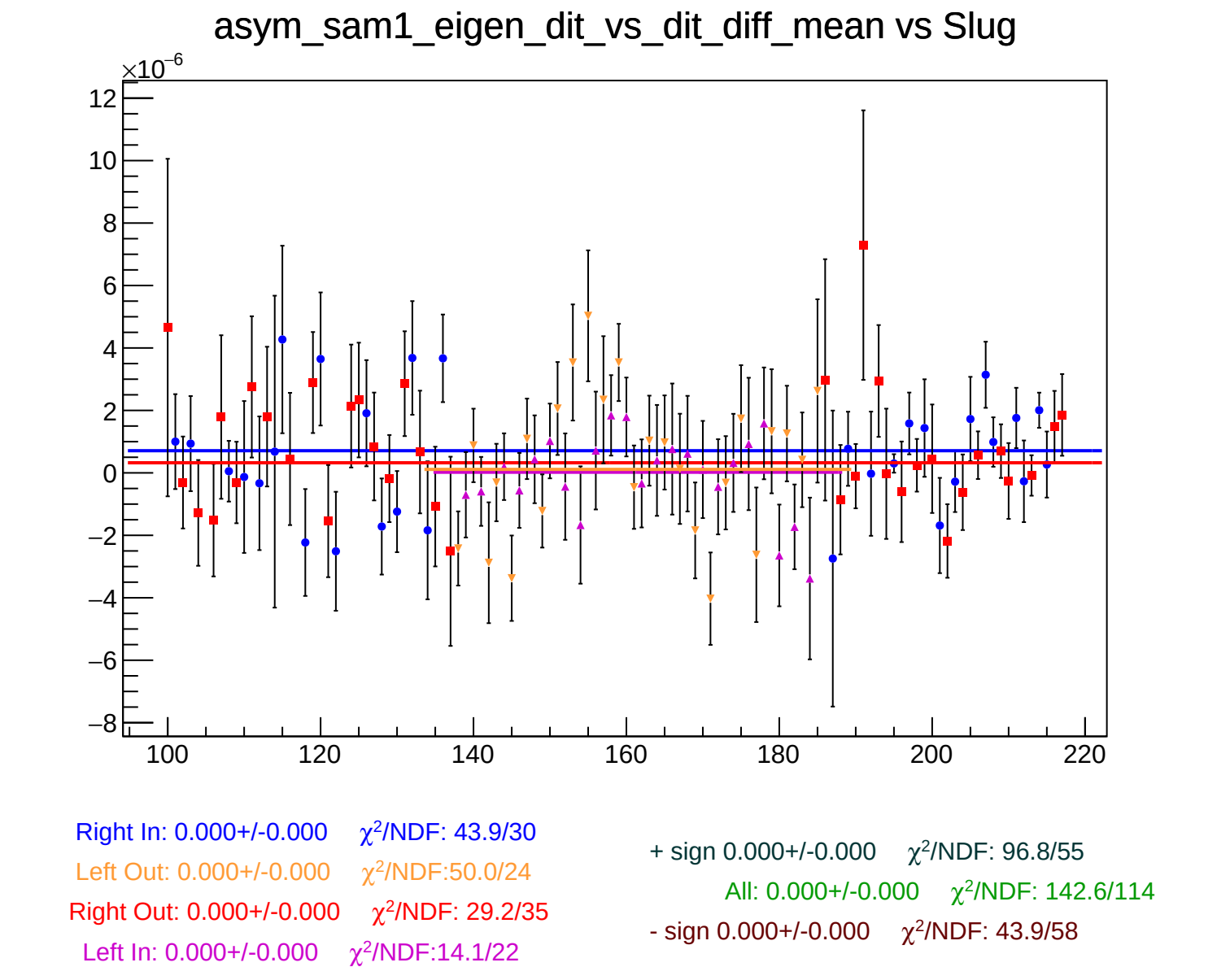
Right Out: 16.055+/-0.003 χ^2/NDF: 6638734.8/35

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

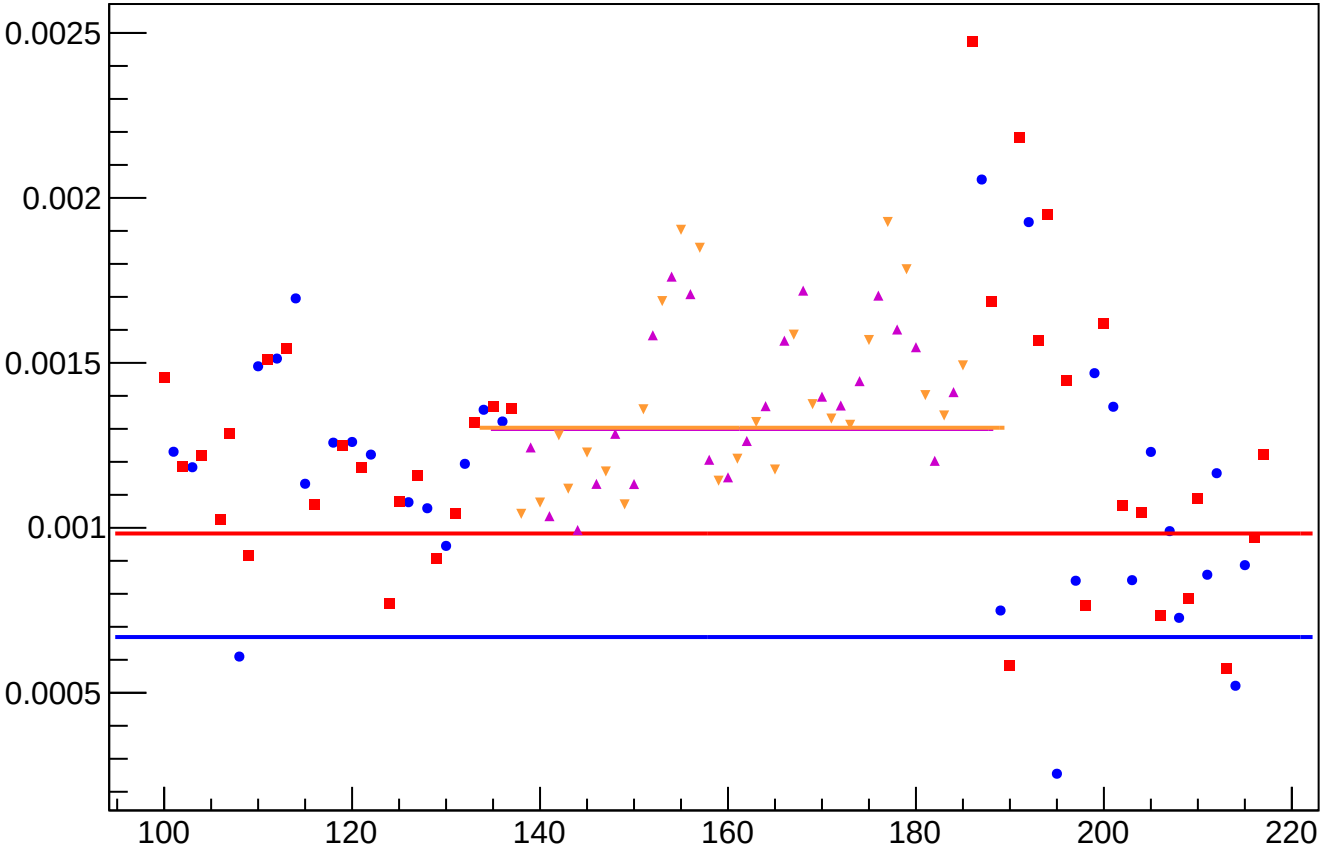
+ sign 15.227+/-0.002 χ^2/NDF: 7561917.2/55

All: 15.377+/-0.001 χ^2/NDF: 17342826.1/114

- sign 15.536+/-0.002 χ^2/NDF: 9768204.9/58


asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.9/30
Left Out: 0.000+/-0.000 χ²/NDF:50.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.2/35
Left In: 0.000+/-0.000 χ²/NDF:14.1/22
+ sign 0.000+/-0.000 χ²/NDF: 96.8/55
All: 0.000+/-0.000 χ²/NDF: 142.6/114
- sign 0.000+/-0.000 χ²/NDF: 43.9/58

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9964676.3/30

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4161248.6/35

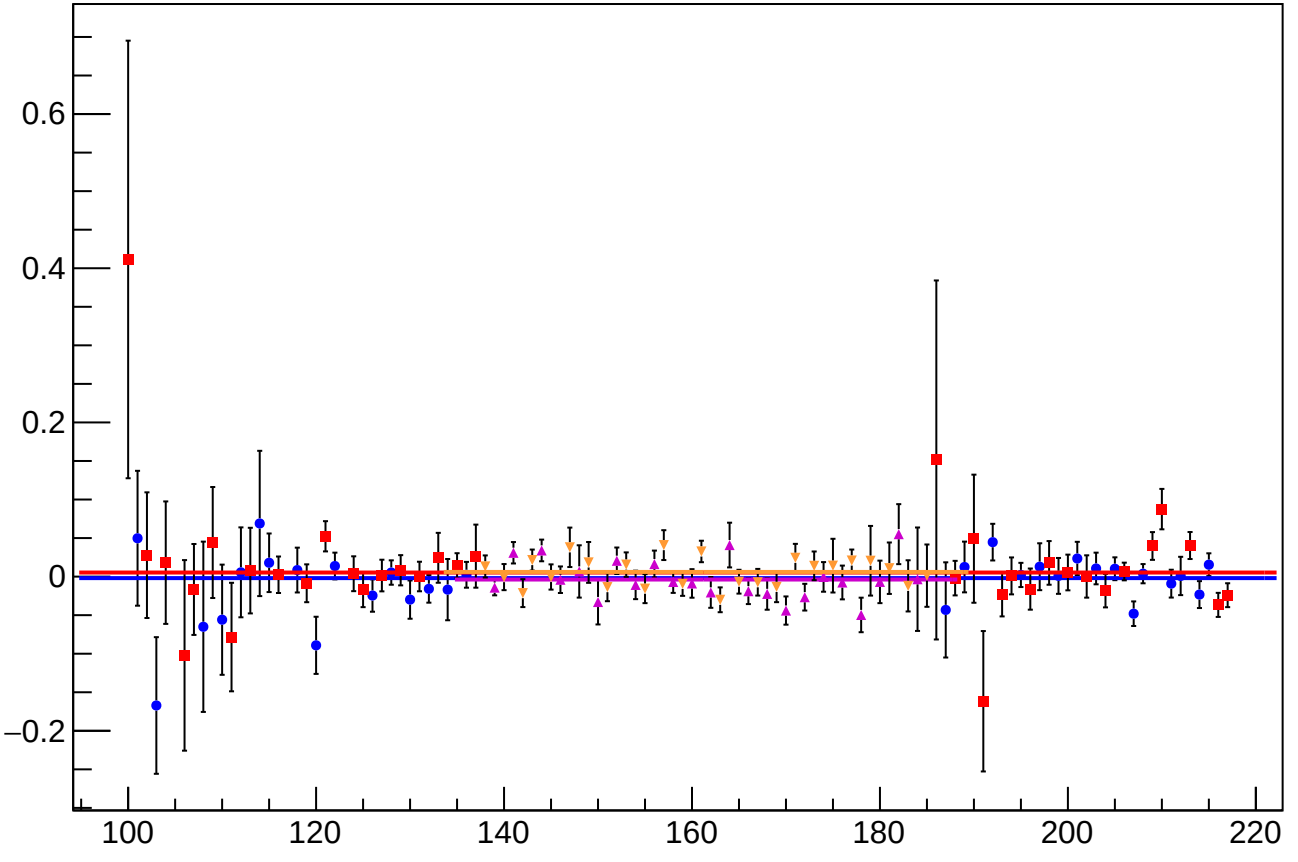
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 17609276.7/55

All: 0.001+/-0.000 χ^2/NDF: 26376375.6/114

- sign 0.001+/-0.000 χ^2/NDF: 6529012.3/58

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

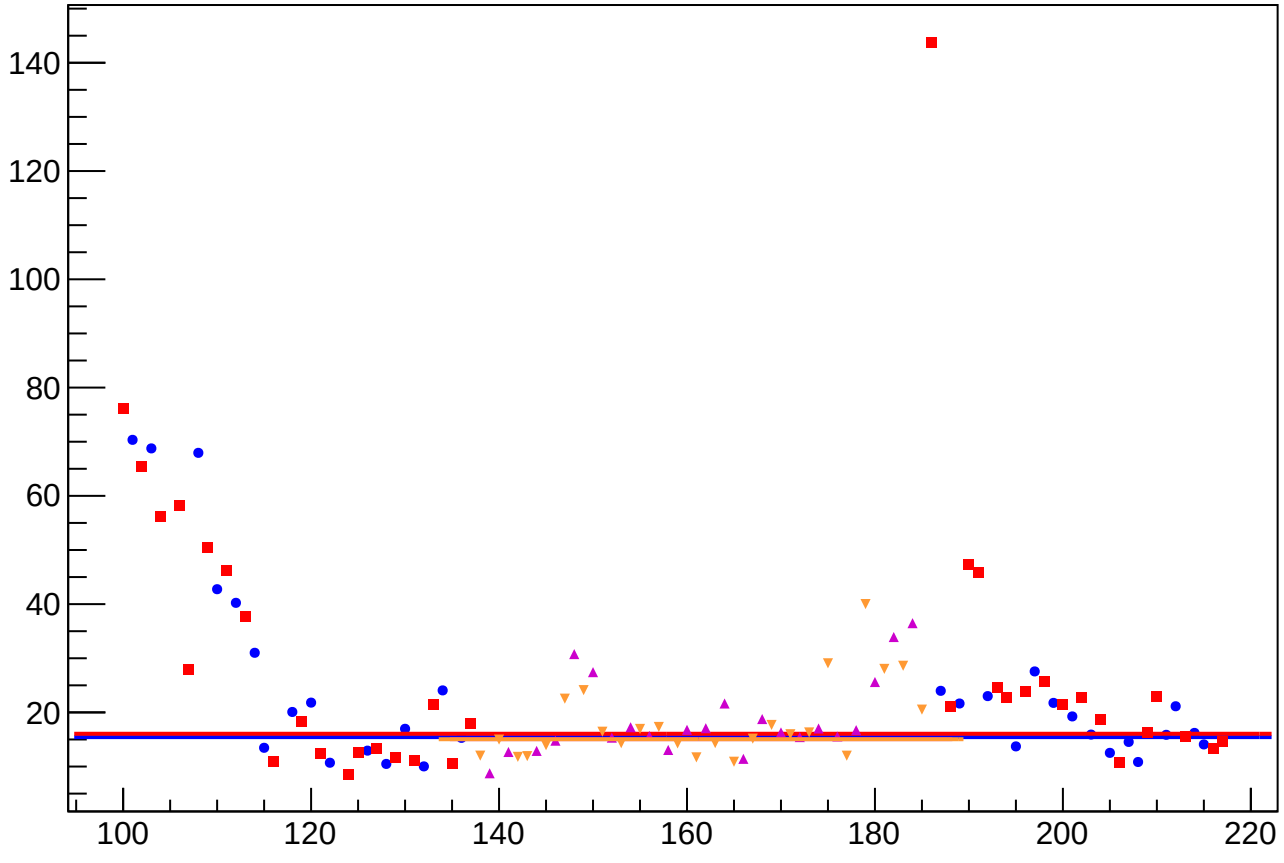
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 63.3/55

All: 0.001+/-0.002 χ^2/NDF: 151.8/114

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.436+/-0.003 χ^2/NDF: 4793431.2/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

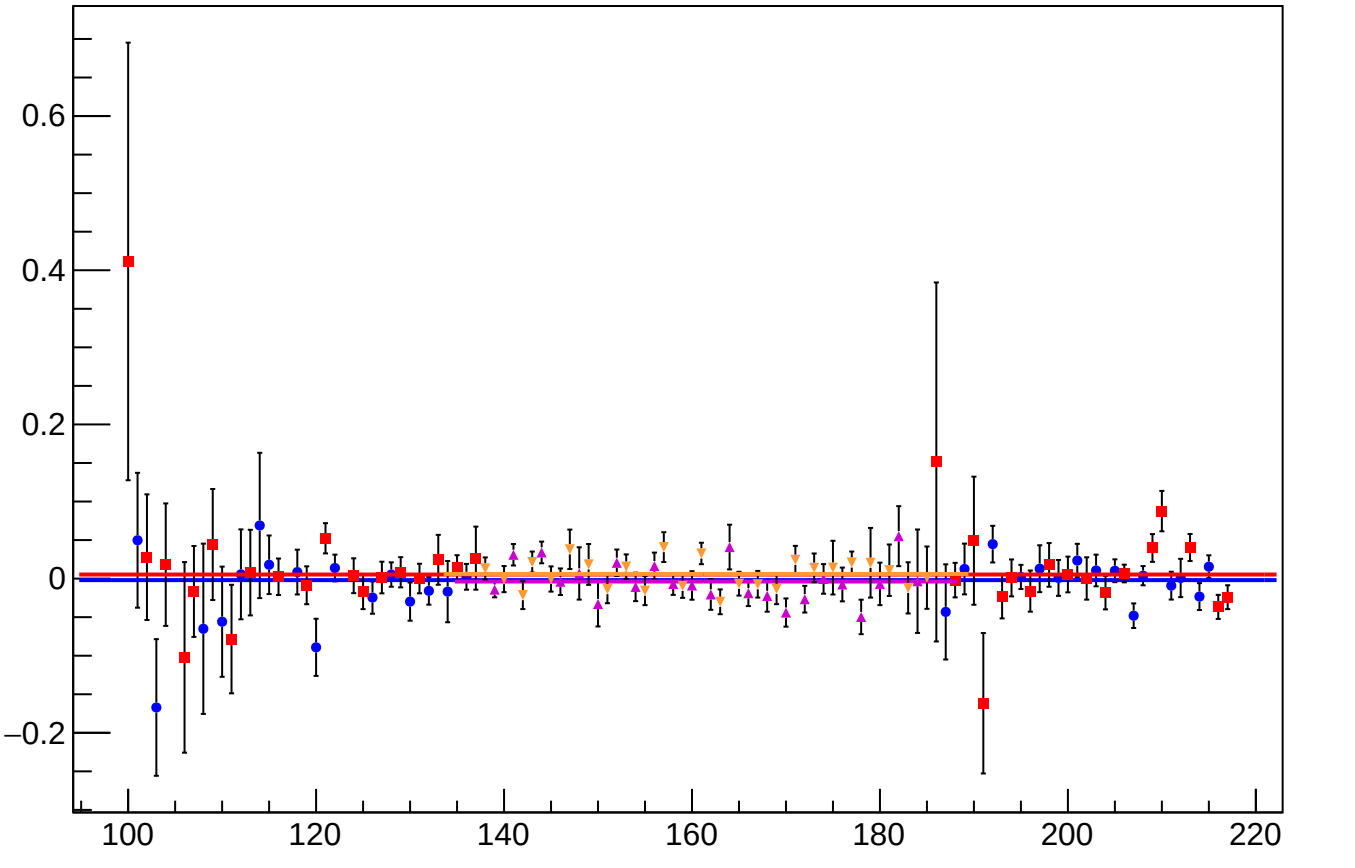
Right Out: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.227+/-0.002 χ^2/NDF: 7562137.2/55

All: 15.376+/-0.001 χ^2/NDF: 17343075.2/114

- sign 15.536+/-0.002 χ^2/NDF: 9768228.4/58



Right In: -0.002+/-0.004 χ^2/NDF: 34.4/30

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.005+/-0.004 χ^2/NDF: 48.5/35

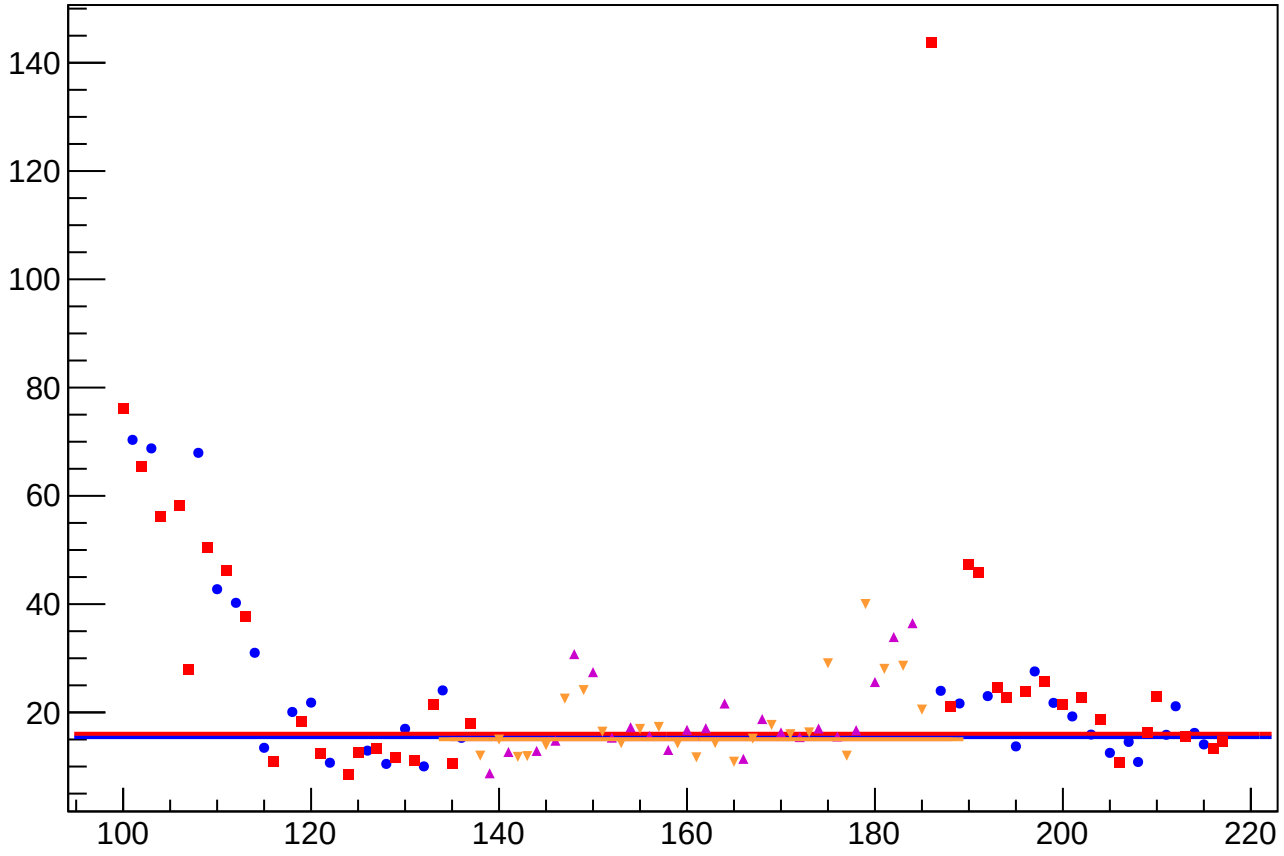
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 63.3/55

All: 0.001+/-0.002 χ^2/NDF: 151.8/114

- sign 0.001+/-0.003 χ^2/NDF: 88.3/58

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.436+/-0.003 χ^2/NDF: 4793431.2/30

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

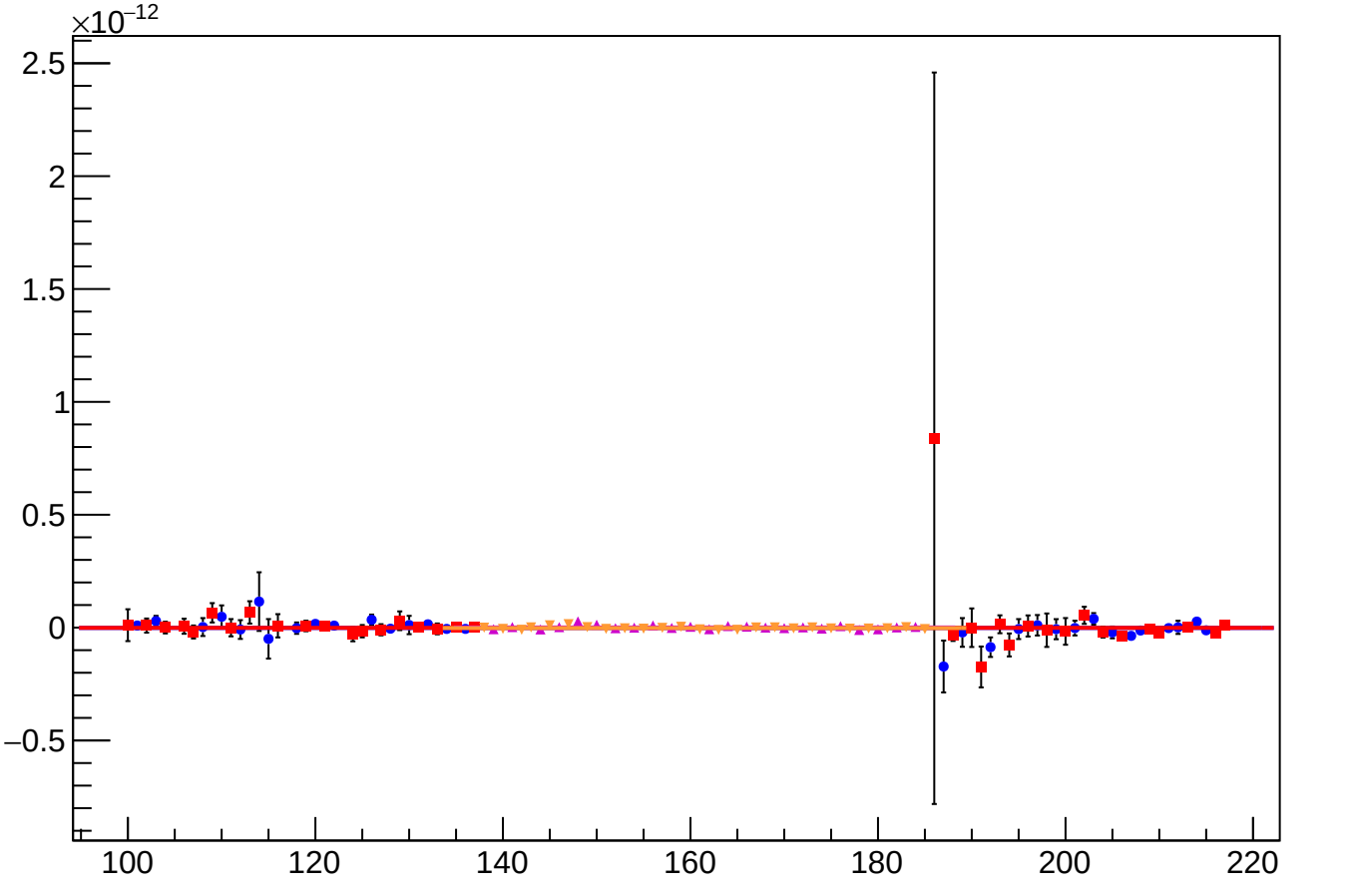
Right Out: 16.054+/-0.003 χ^2/NDF: 6638728.1/35

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.227+/-0.002 χ^2/NDF: 7562137.2/55

All: 15.376+/-0.001 χ^2/NDF: 17343075.2/114

- sign 15.536+/-0.002 χ^2/NDF: 9768228.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

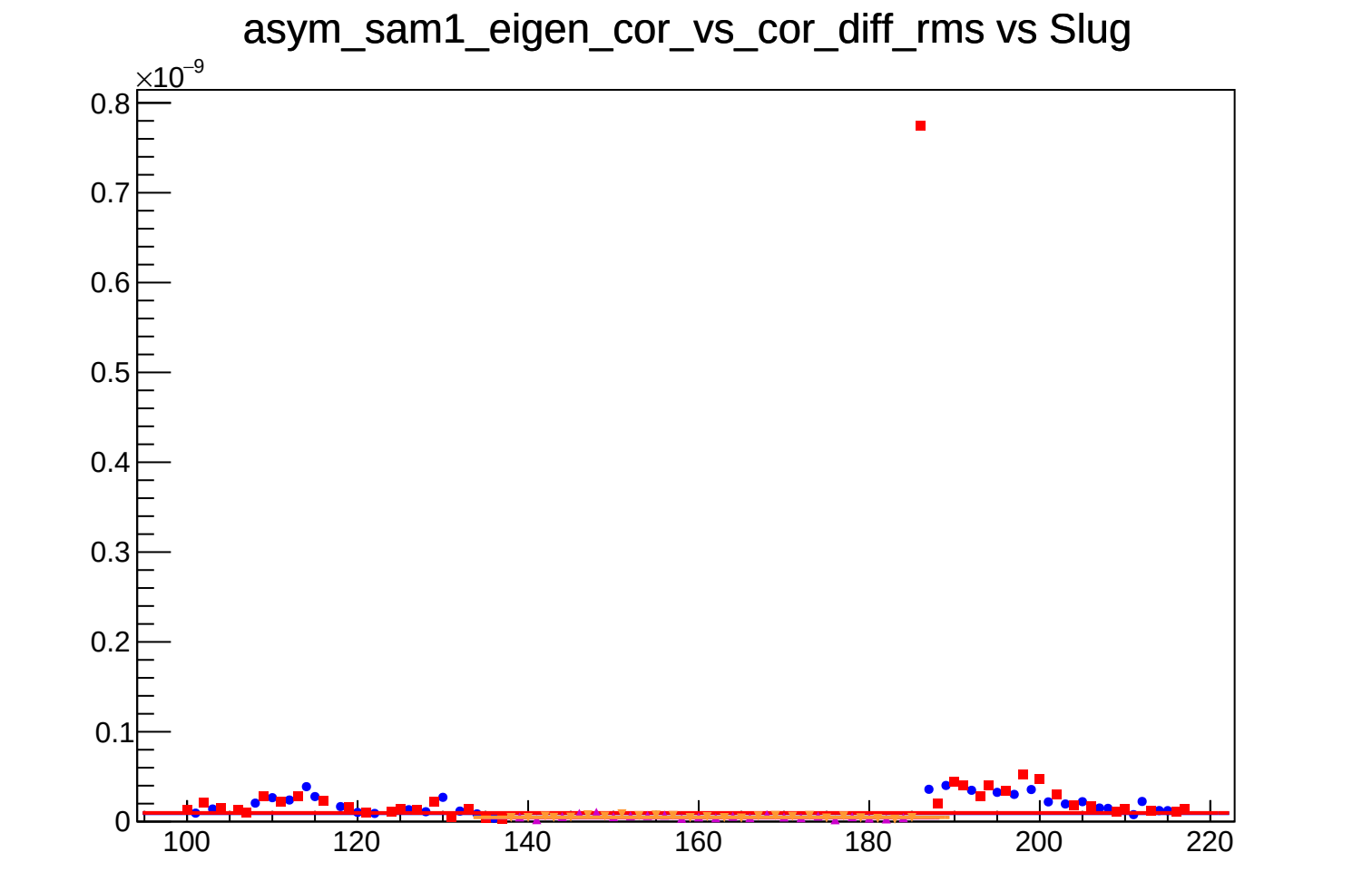
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/35

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/55

All: -0.000+/-0.000 χ^2/NDF: 91.5/114

- sign 0.000+/-0.000 χ^2/NDF: 48.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 9407511.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11291987.6/35

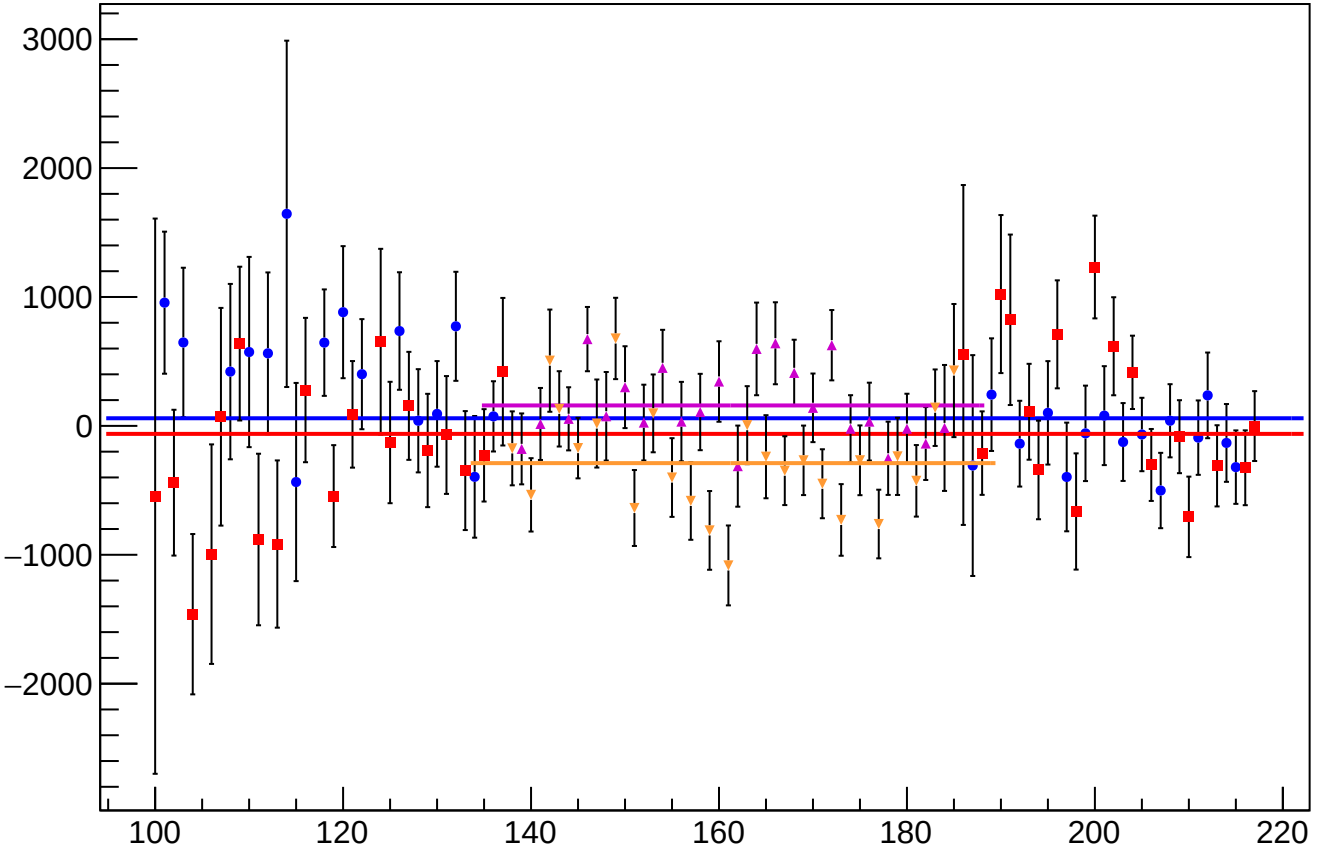
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14869137.2/55

All: 0.000+/-0.000 χ^2/NDF: 34427349.1/114

- sign 0.000+/-0.000 χ^2/NDF: 19435933.3/58

reg_asym_sam2_mean vs Slug



Right In: 59.151+/-69.996 χ^2/NDF: 27.1/30

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -62.034+/-69.731 χ^2/NDF: 50.4/35

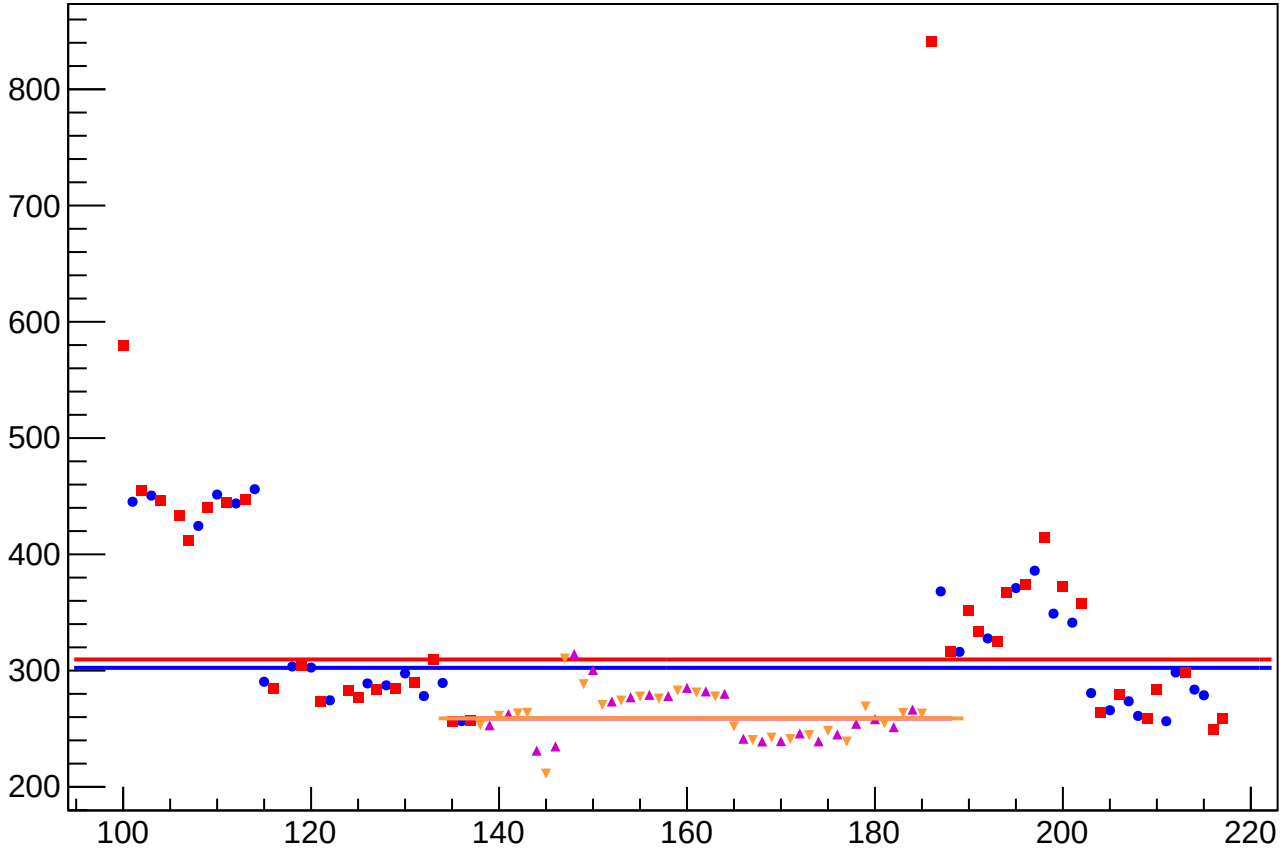
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -144.244+/-45.128 χ^2/NDF: 84.0/55

All: -41.891+/-32.141 χ^2/NDF: 173.0/114

- sign 63.474+/-45.787 χ^2/NDF: 78.6/58

reg_asym_sam2_rms vs Slug



Right In: 302.374+/-0.049 χ^2/NDF: 1009167.7/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 309.582+/-0.049 χ^2/NDF: 1647478.7/35

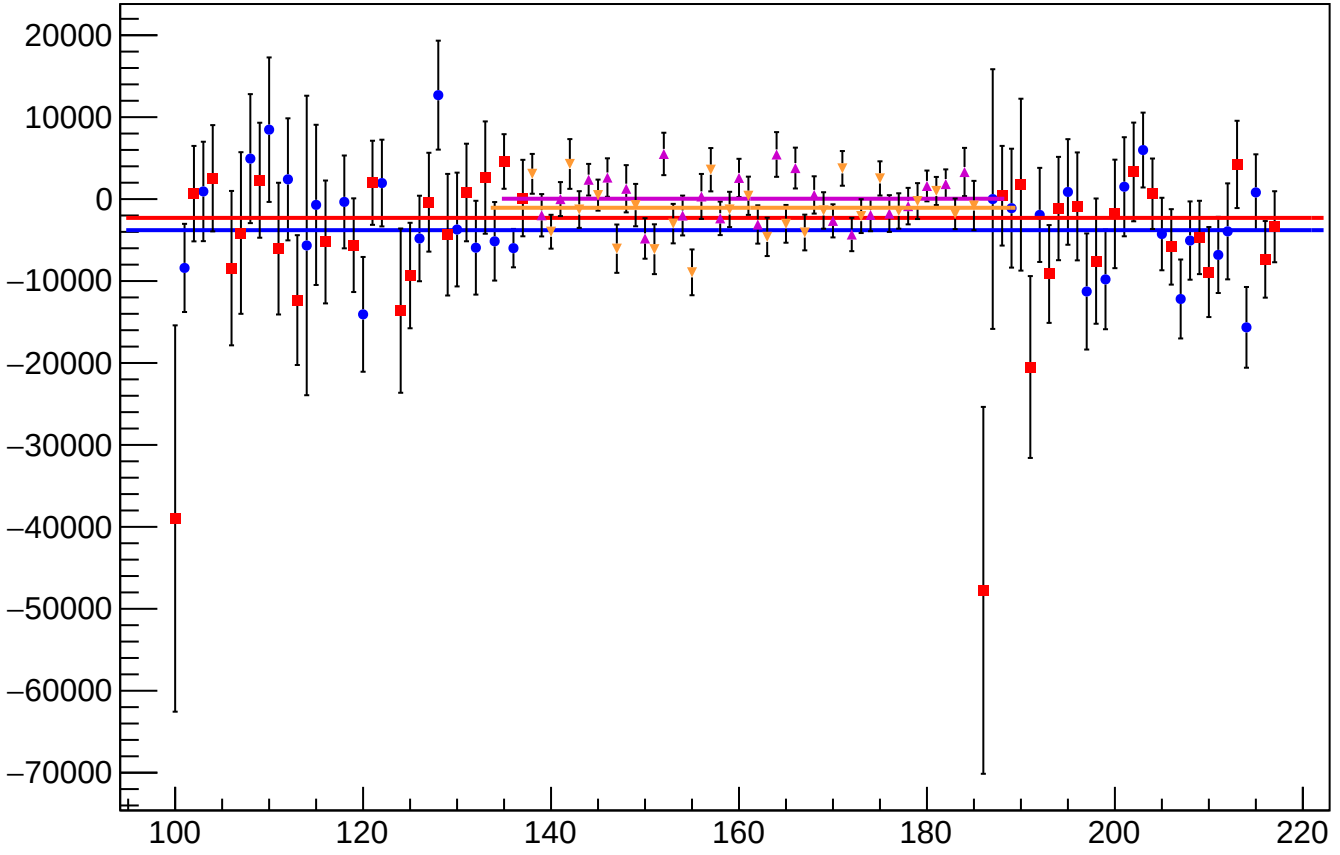
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.977+/-0.032 χ^2/NDF: 1708490.4/55

All: 278.821+/-0.023 χ^2/NDF: 4210059.9/114

- sign 280.719+/-0.032 χ^2/NDF: 2494794.0/58

asym_sam2_reg_correction_mean vs Slug



Right In: -3791.890+/-977.699 χ^2/NDF: 34.9/30

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2293.124+/-1005.745 χ^2/NDF: 30.5/35

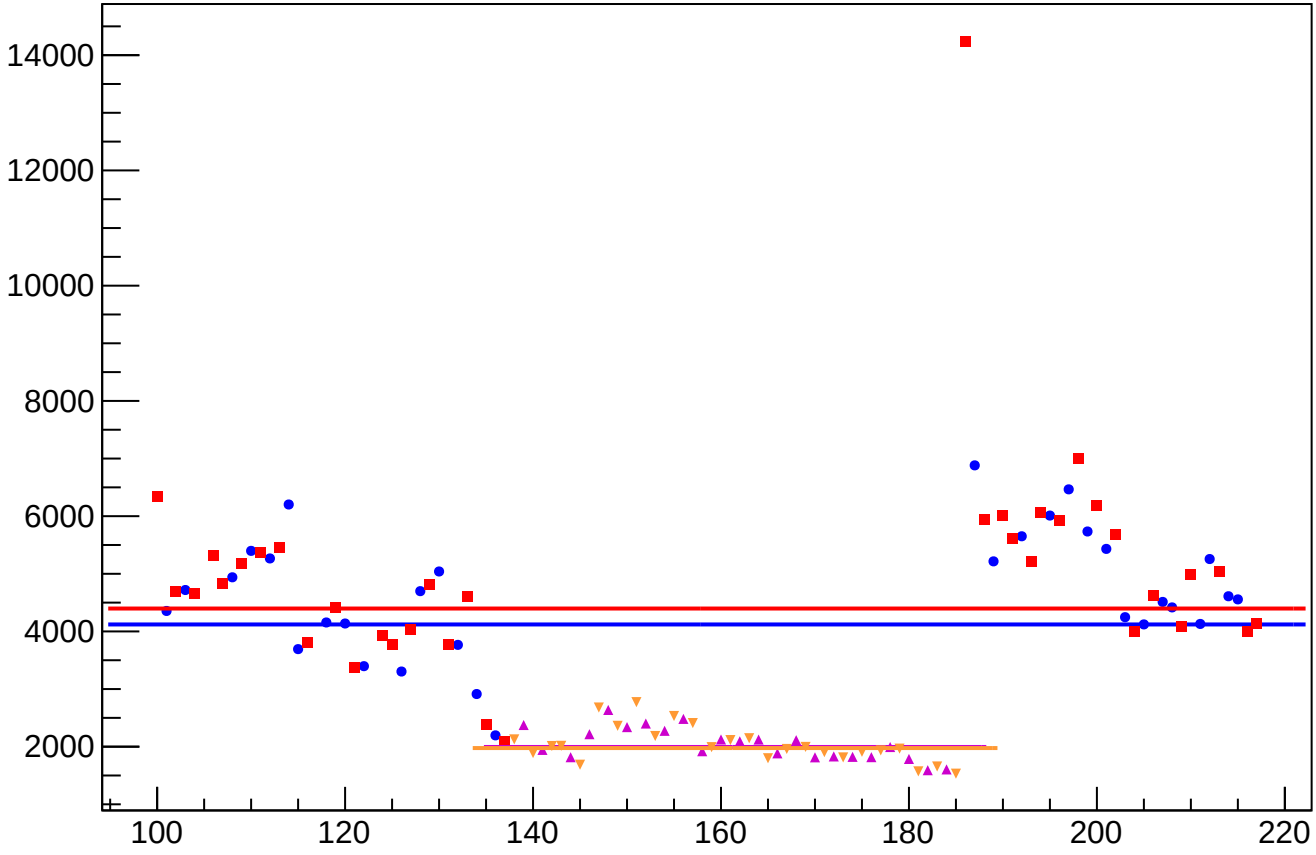
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1545.091+/-412.258 χ^2/NDF: 82.8/55

All: -979.973+/-296.357 χ^2/NDF: 155.8/114

- sign -375.643+/-426.321 χ^2/NDF: 69.1/58

asym_sam2_reg_correction_rms vs Slug



Right In: 4120.999+/-0.691 χ^2/NDF: 2792356.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4397.295+/-0.711 χ^2/NDF: 2954566.4/35

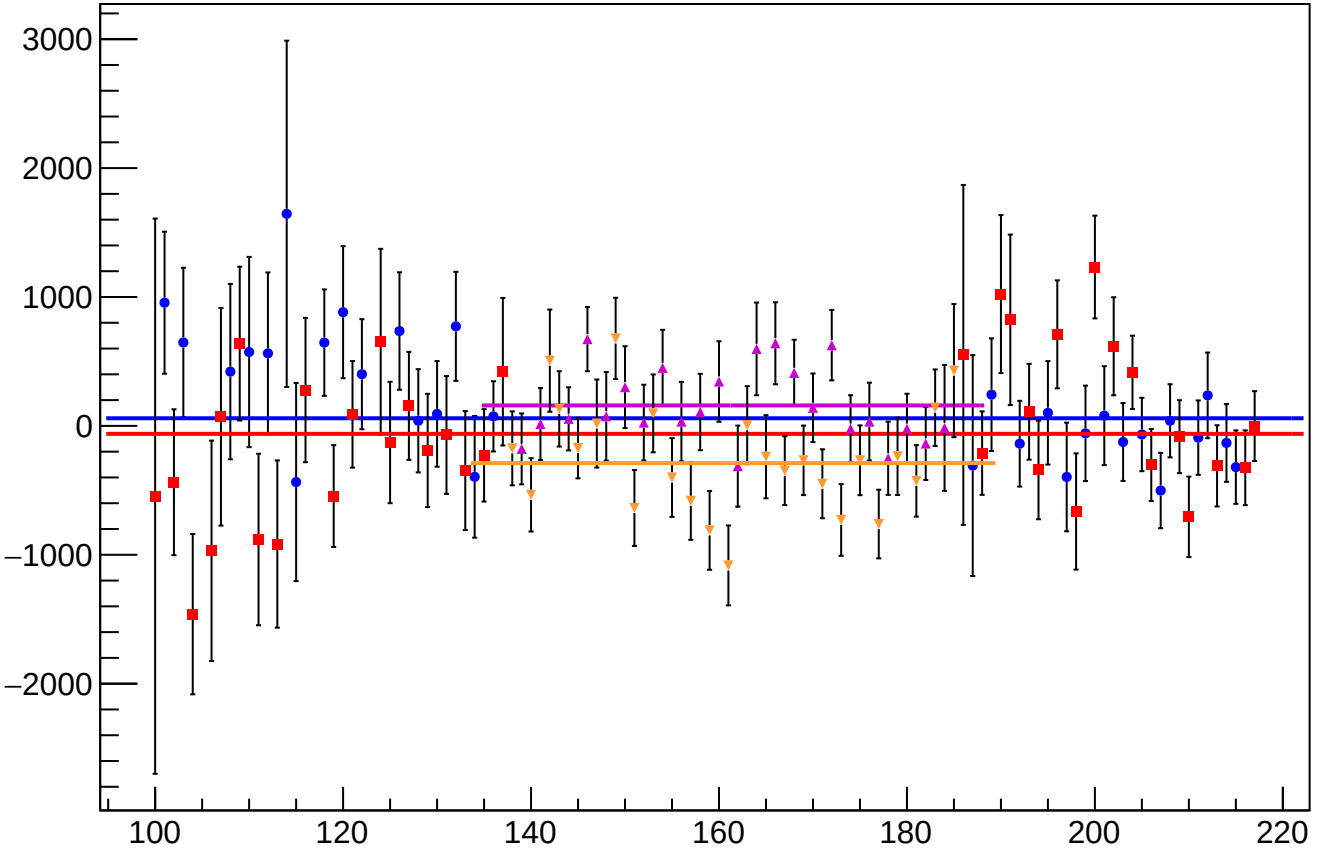
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2357.350+/-0.292 χ^2/NDF: 11470948.0/55

All: 2390.739+/-0.210 χ^2/NDF: 24414845.5/1

- sign 2426.444+/-0.301 χ^2/NDF: 12916749.6/58

cor_asym_sam2_mean vs Slug



Right In: 59.129+/-69.996 χ^2/NDF: 27.1/30

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -61.748+/-69.733 χ^2/NDF: 50.3/35

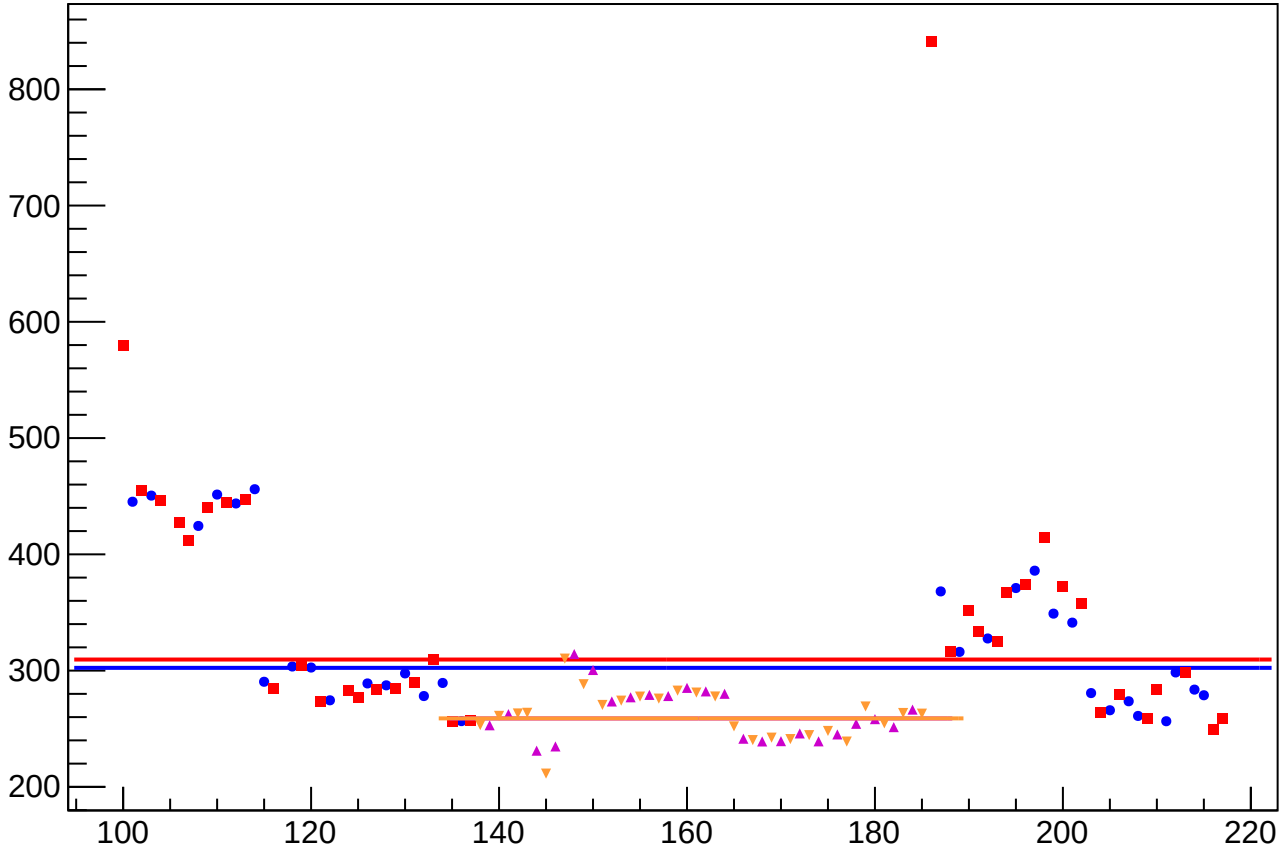
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

\+ sign -144.256+/-45.128 χ^2/NDF: 84.0/55

All: -41.833+/-32.141 χ^2/NDF: 172.9/114

\- sign 63.606+/-45.787 χ^2/NDF: 78.5/58

cor_asym_sam2_rms vs Slug



Right In: 302.374+/-0.049 χ^2/NDF: 1009169.2/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

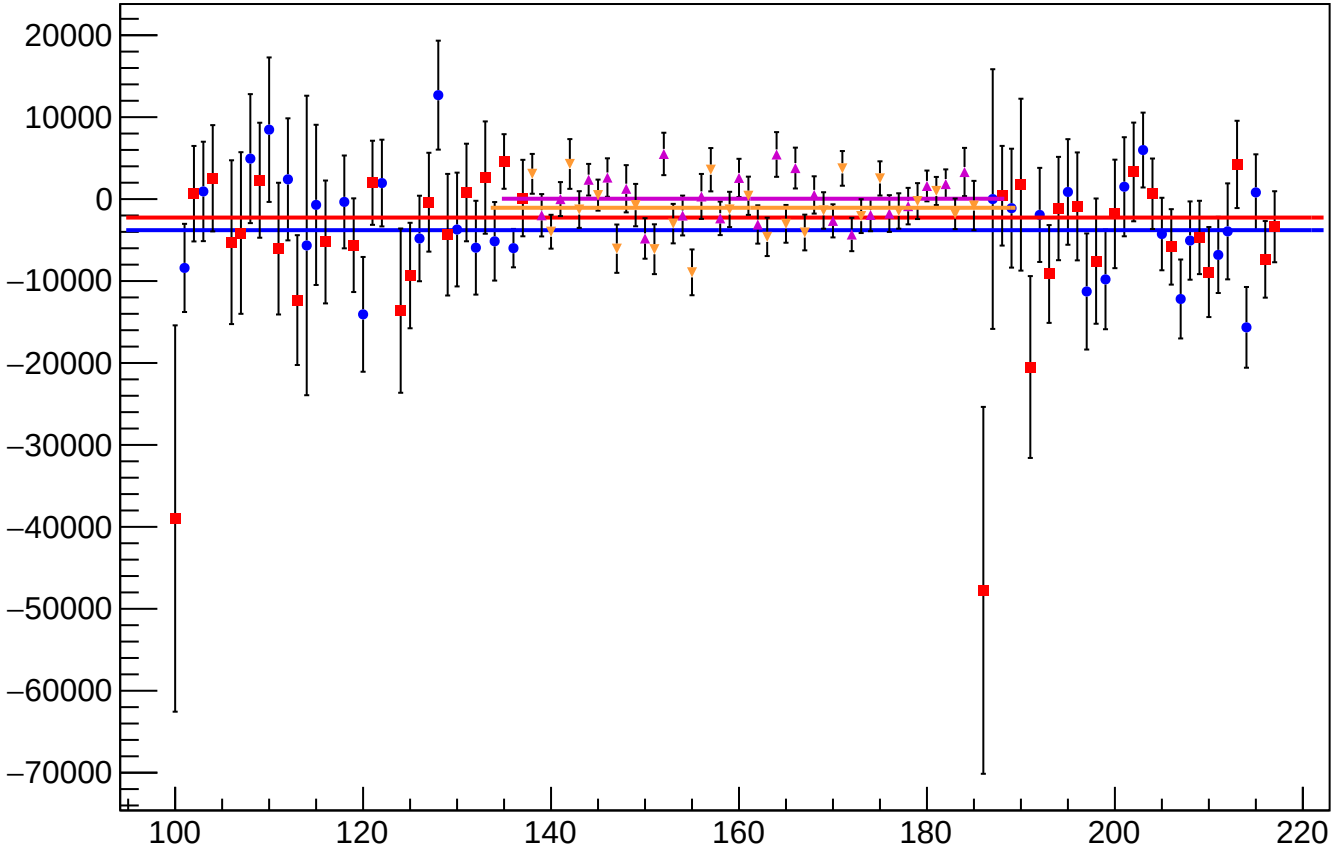
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.977+/-0.032 χ^2/NDF: 1708491.9/55

All: 278.810+/-0.023 χ^2/NDF: 4204174.7/114

- sign 280.697+/-0.032 χ^2/NDF: 2488988.8/58

asym_sam2_cor_correction_mean vs Slug



Right In: -3791.867+/-977.700 χ^2/NDF: 34.9/30

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2253.513+/-1006.401 χ^2/NDF: 30.2/35

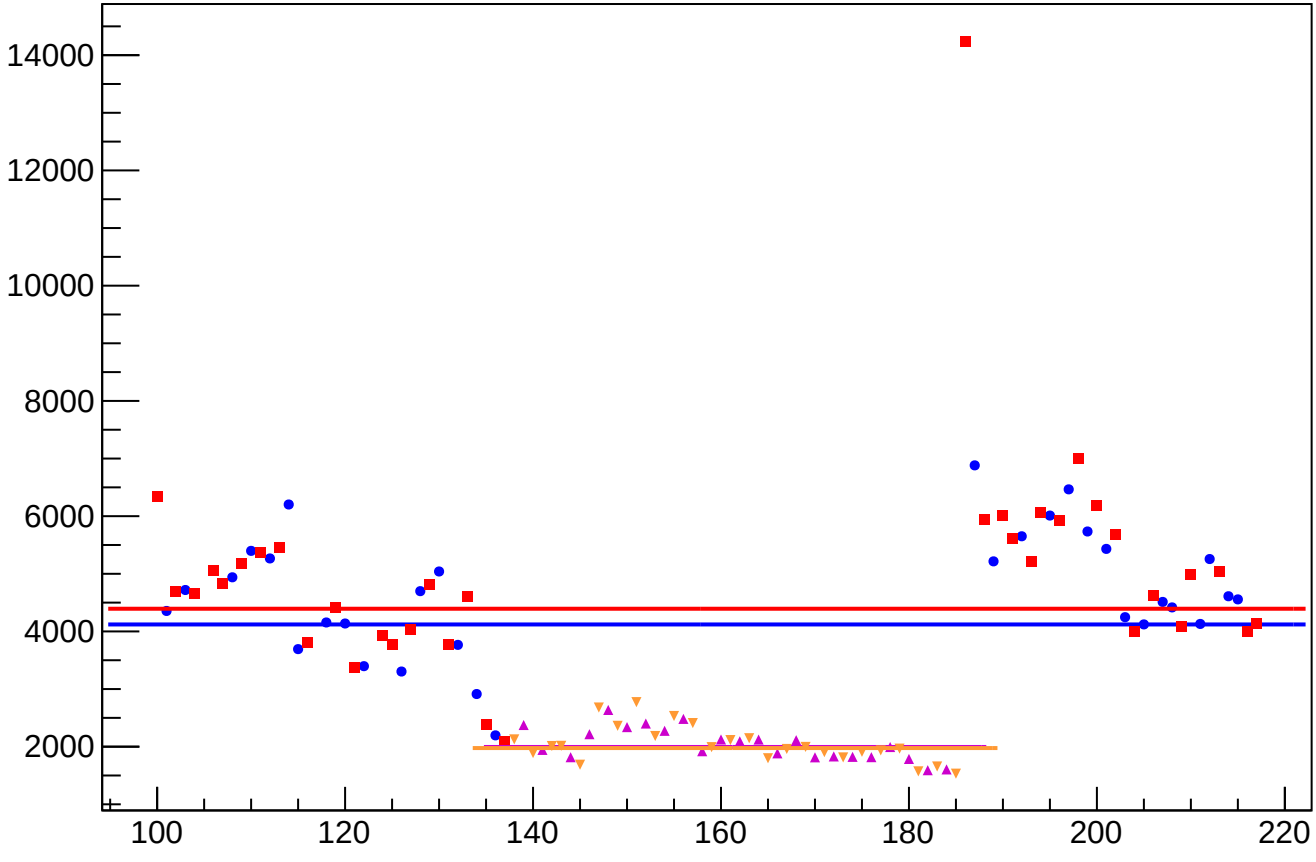
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1545.089+/-412.258 χ^2/NDF: 82.8/55

All: -976.390+/-296.374 χ^2/NDF: 155.4/114

- sign -368.088+/-426.371 χ^2/NDF: 68.6/58

asym_sam2_cor_correction_rms vs Slug



Right In: 4121.003+/-0.691 χ^2/NDF: 2792364.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

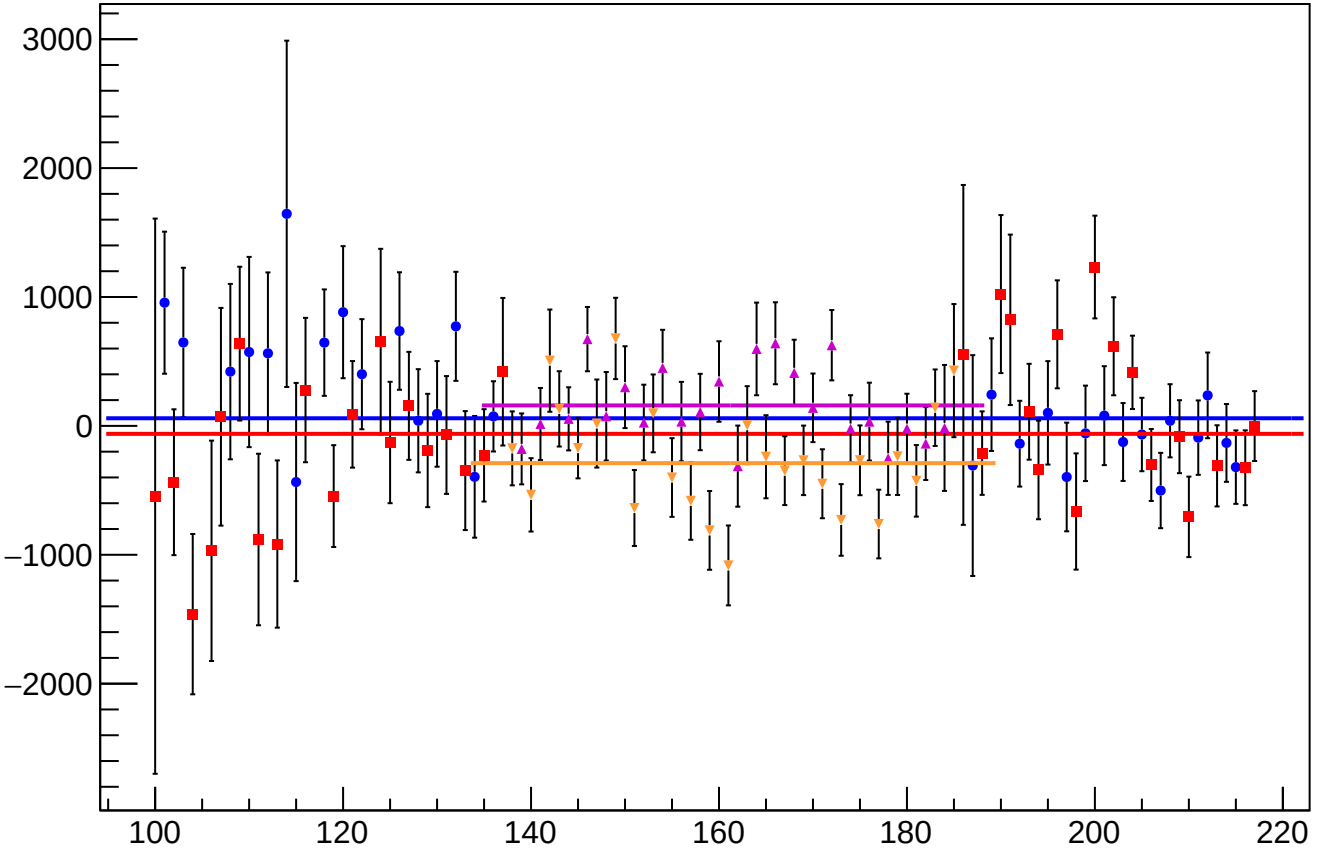
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2357.350+/-0.292 χ^2/NDF: 11470968.1/55

All: 2390.201+/-0.210 χ^2/NDF: 24366254.4/1

- sign 2425.340+/-0.301 χ^2/NDF: 12869002.9/58

eigen_cor_asym_sam2_mean vs Slug



Right In: 59.129+/-69.996 χ^2/NDF: 27.1/30

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -61.748+/-69.733 χ^2/NDF: 50.3/35

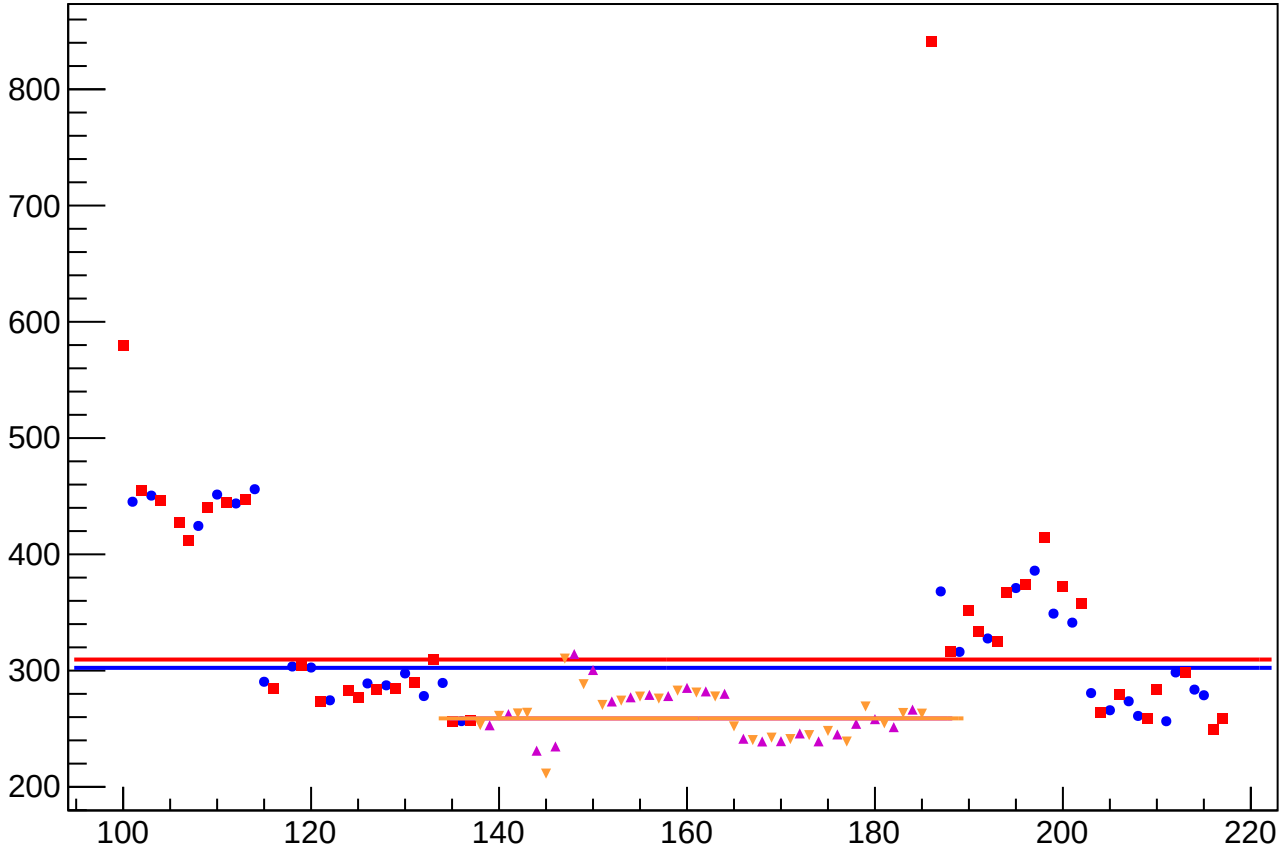
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -144.256+/-45.128 χ^2/NDF: 84.0/55

All: -41.833+/-32.141 χ^2/NDF: 172.9/114

- sign 63.606+/-45.787 χ^2/NDF: 78.5/58

eigen_cor_asym_sam2_rms vs Slug



Right In: 302.374+/-0.049 χ^2/NDF: 1009169.2/30

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 309.531+/-0.049 χ^2/NDF: 1642893.4/35

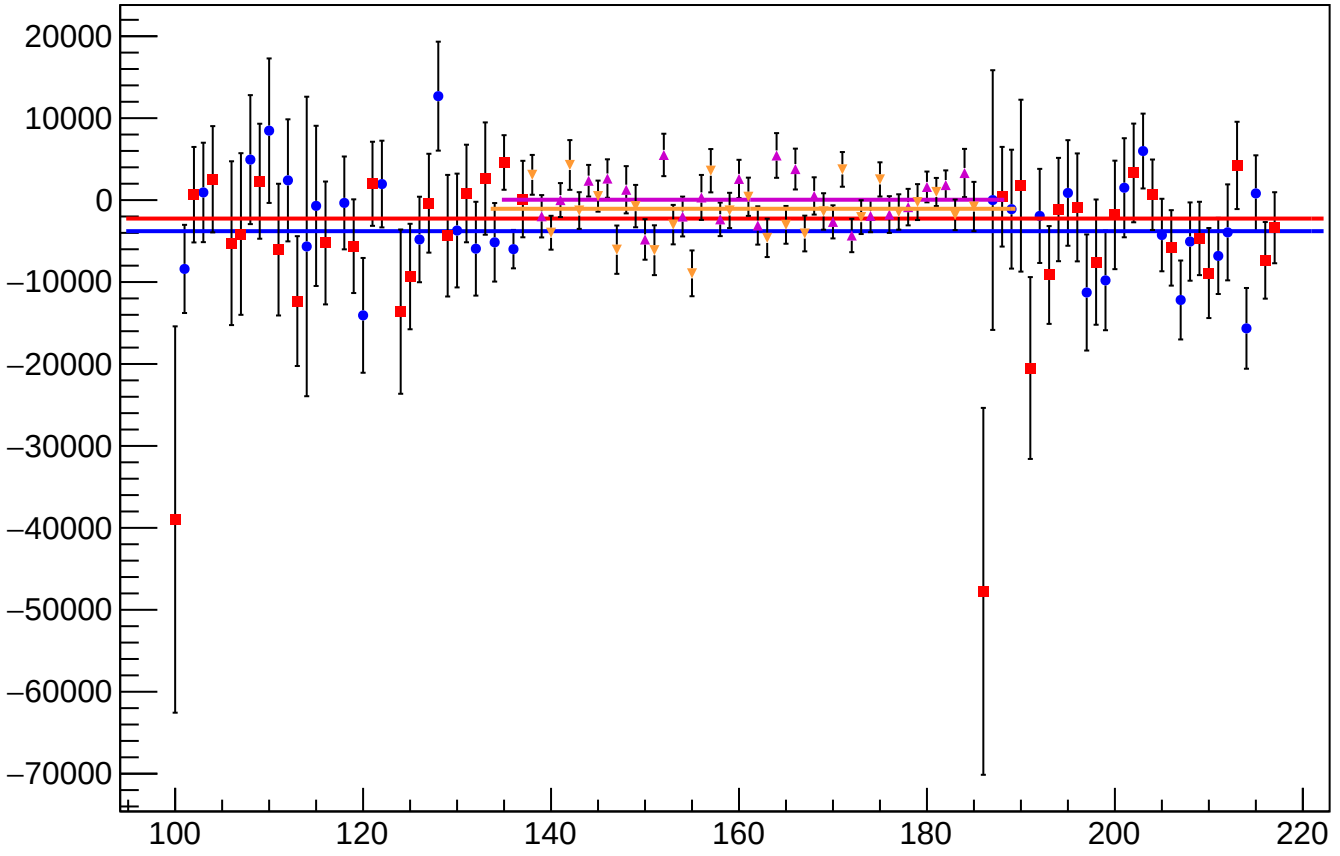
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.977+/-0.032 χ^2/NDF: 1708491.9/55

All: 278.810+/-0.023 χ^2/NDF: 4204174.7/114

- sign 280.697+/-0.032 χ^2/NDF: 2488988.8/58

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -3791.867+/-977.700 χ^2/NDF: 34.9/30

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2253.513+/-1006.401 χ^2/NDF: 30.2/35

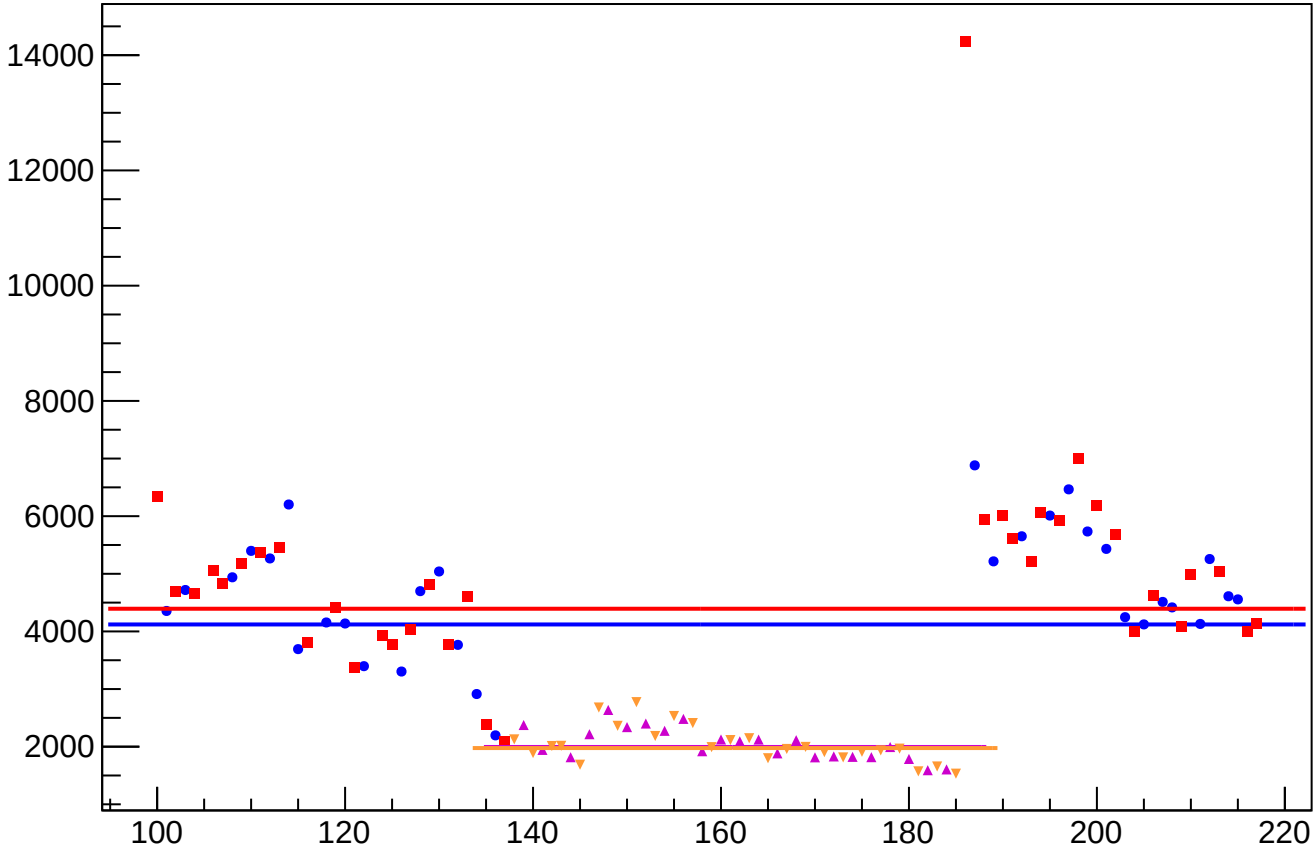
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1545.089+/-412.258 χ^2/NDF: 82.8/55

All: -976.390+/-296.374 χ^2/NDF: 155.4/114

- sign -368.088+/-426.371 χ^2/NDF: 68.6/58

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4121.003+/-0.691 χ^2/NDF: 2792364.5/30

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4393.707+/-0.712 χ^2/NDF: 2944742.2/35

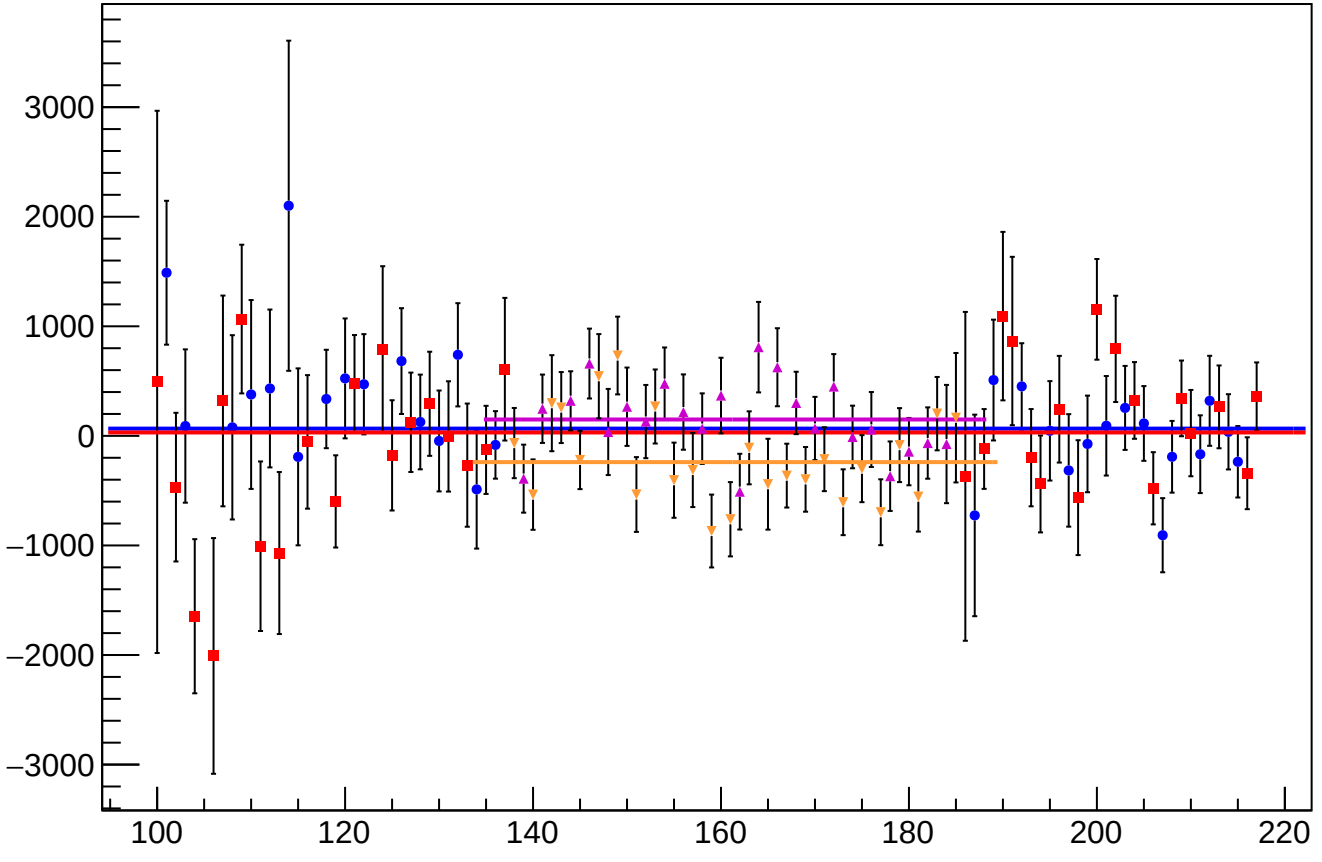
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2357.350+/-0.292 χ^2/NDF: 11470968.1/55

All: 2390.201+/-0.210 χ^2/NDF: 24366254.4/1

- sign 2425.340+/-0.301 χ^2/NDF: 12869002.9/58

dit_asym_sam2_mean vs Slug



Right In: 66.307+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 31.025+/-80.772 χ^2/NDF: 43.6/35

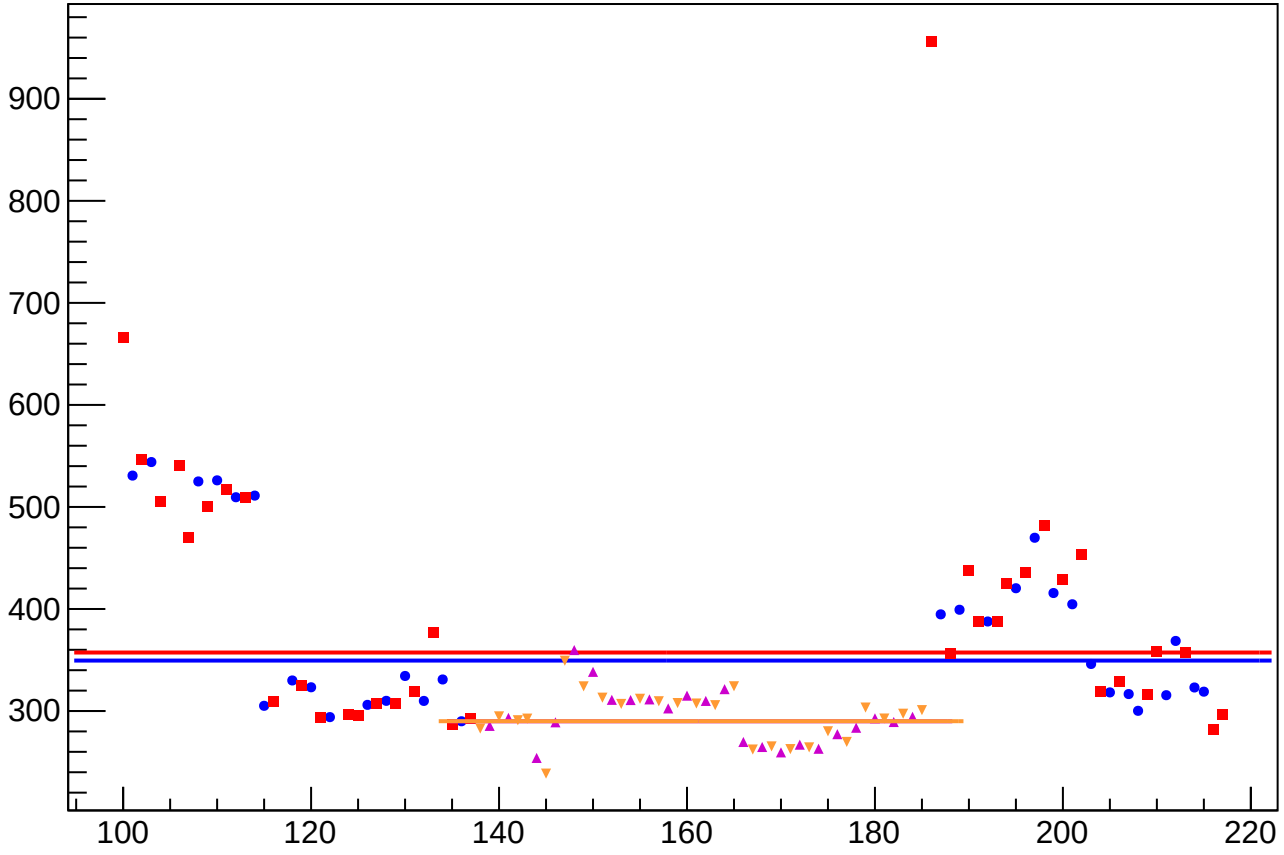
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -117.471+/-51.290 χ^2/NDF: 70.3/55

All: -10.306+/-36.547 χ^2/NDF: 145.8/114

- sign 100.234+/-52.091 χ^2/NDF: 66.6/58

dit_asym_sam2_rms vs Slug



Right In: 349.449+/-0.057 χ^2/NDF: 1176214.0/30

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.334+/-0.057 χ^2/NDF: 1808626.0/35

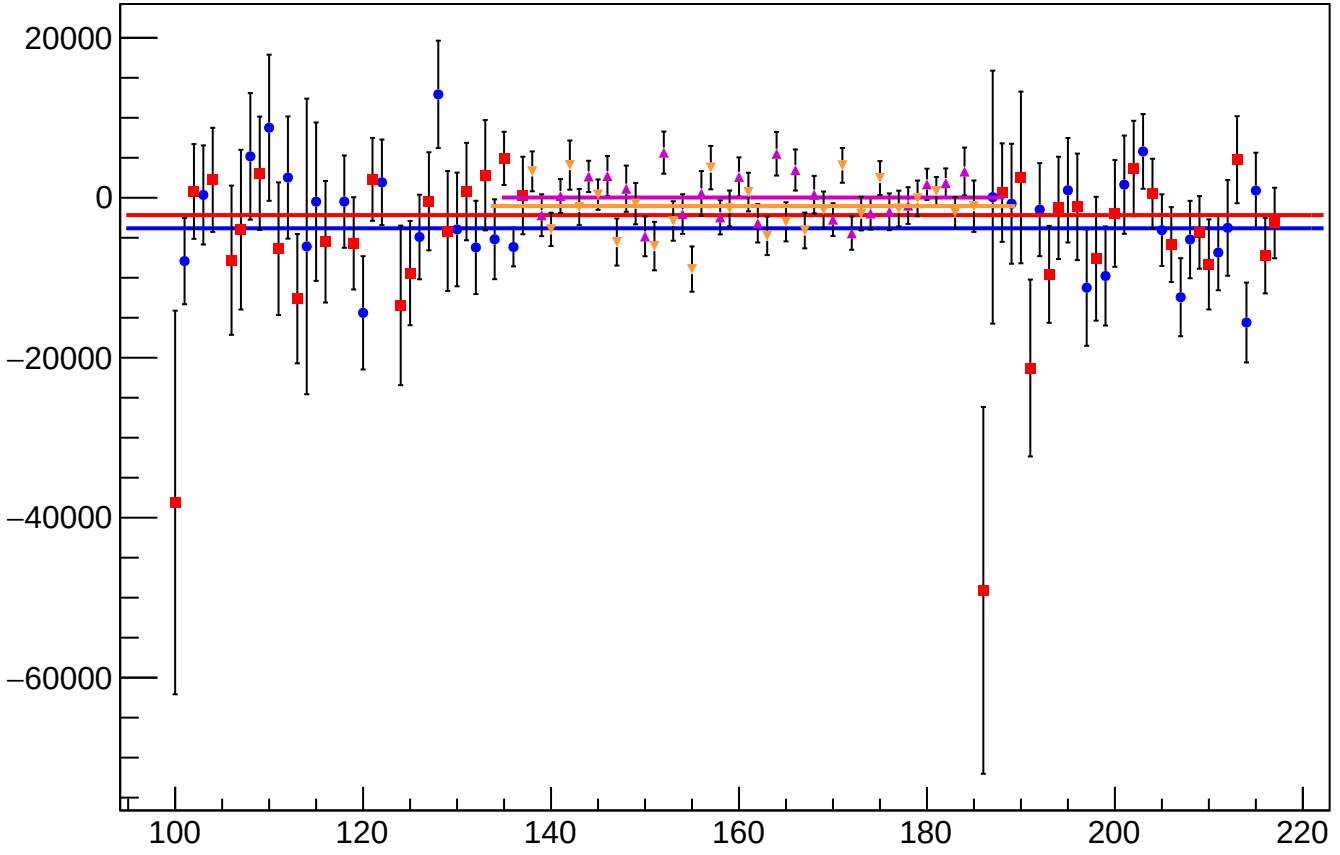
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 313.742+/-0.036 χ^2/NDF: 2100769.2/55

All: 315.824+/-0.026 χ^2/NDF: 4998982.3/114

- sign 317.971+/-0.037 χ^2/NDF: 2891519.9/58

asym_sam2_dit_correction_mean vs Slug



Right In: -3816.203+/-996.951 χ^2/NDF: 34.3/30

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2166.305+/-1018.897 χ^2/NDF: 31.2/35

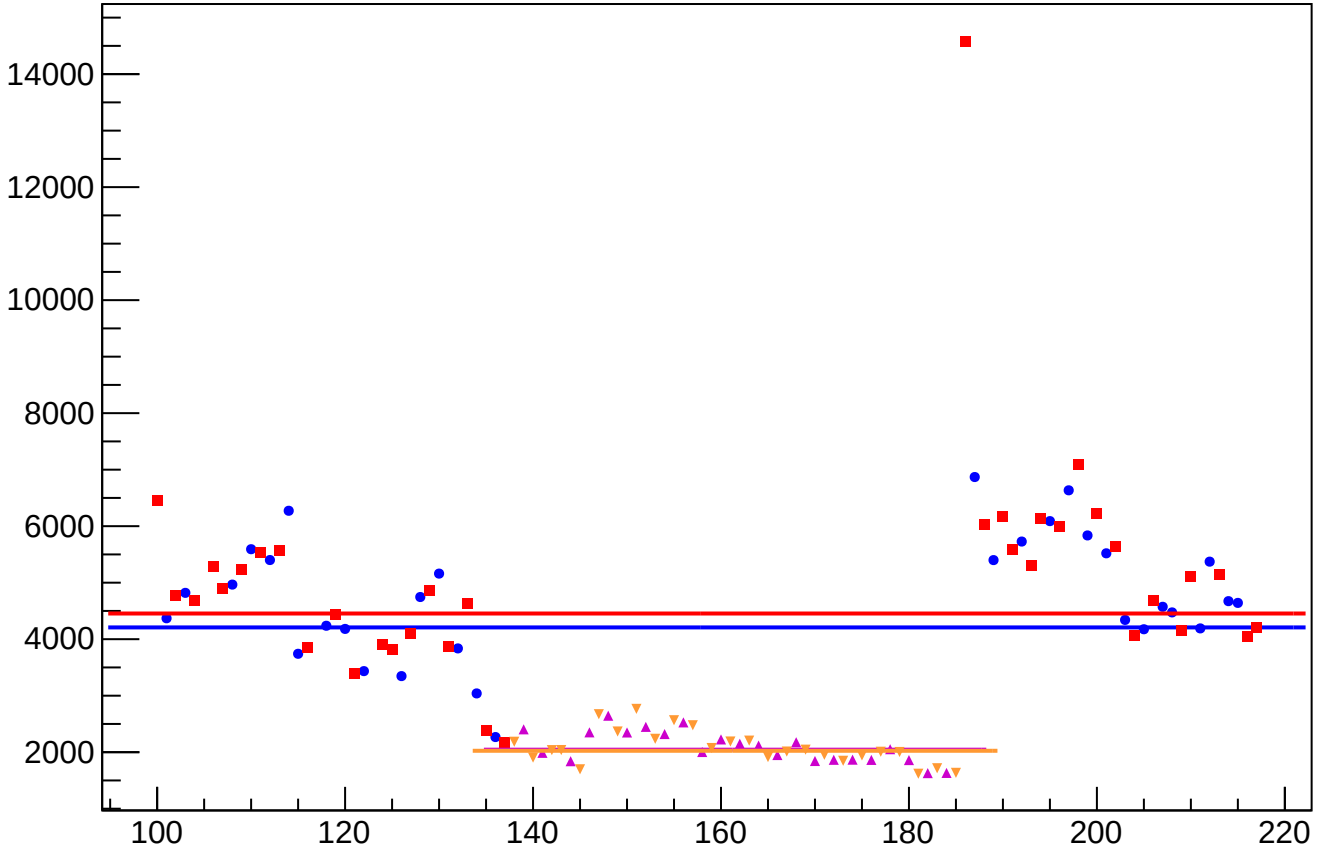
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1533.816+/-421.656 χ^2/NDF: 81.0/55

All: -972.067+/-303.071 χ^2/NDF: 153.7/114

- sign -371.685+/-435.914 χ^2/NDF: 69.1/58

asym_sam2_dit_correction_rms vs Slug



Right In: 4208.341+/-0.705 χ^2/NDF: 2703957.1/30

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

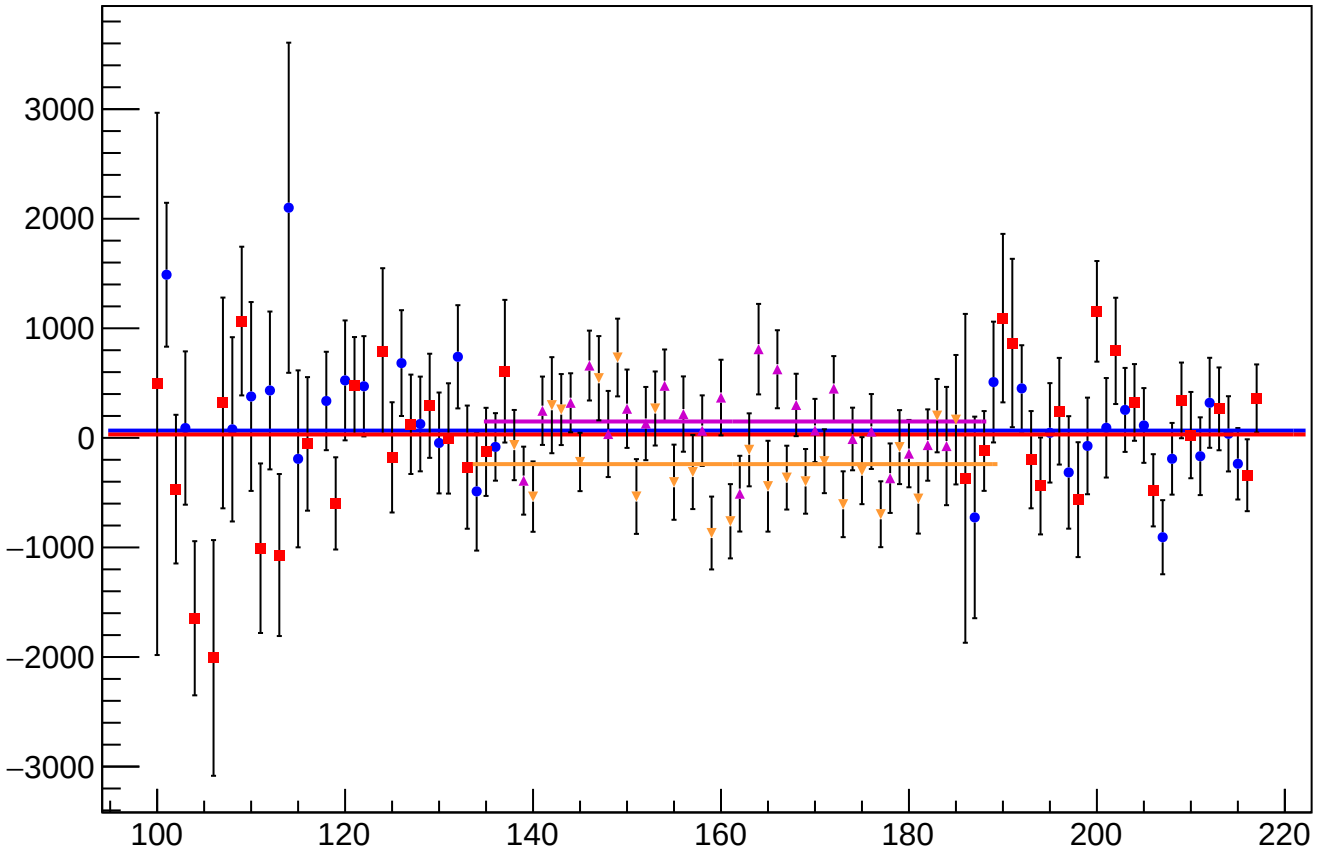
Right Out: 4454.395+/-0.720 χ^2/NDF: 2949588.5/35

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2415.631+/-0.298 χ^2/NDF: 11280615.1/55

All: 2449.462+/-0.214 χ^2/NDF: 23982034.4/1

- sign 2485.620+/-0.308 χ^2/NDF: 12674784.0/58



Right In: 66.314+/-81.184 χ^2/NDF: 27.7/30

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 31.027+/-80.772 χ^2/NDF: 43.6/35

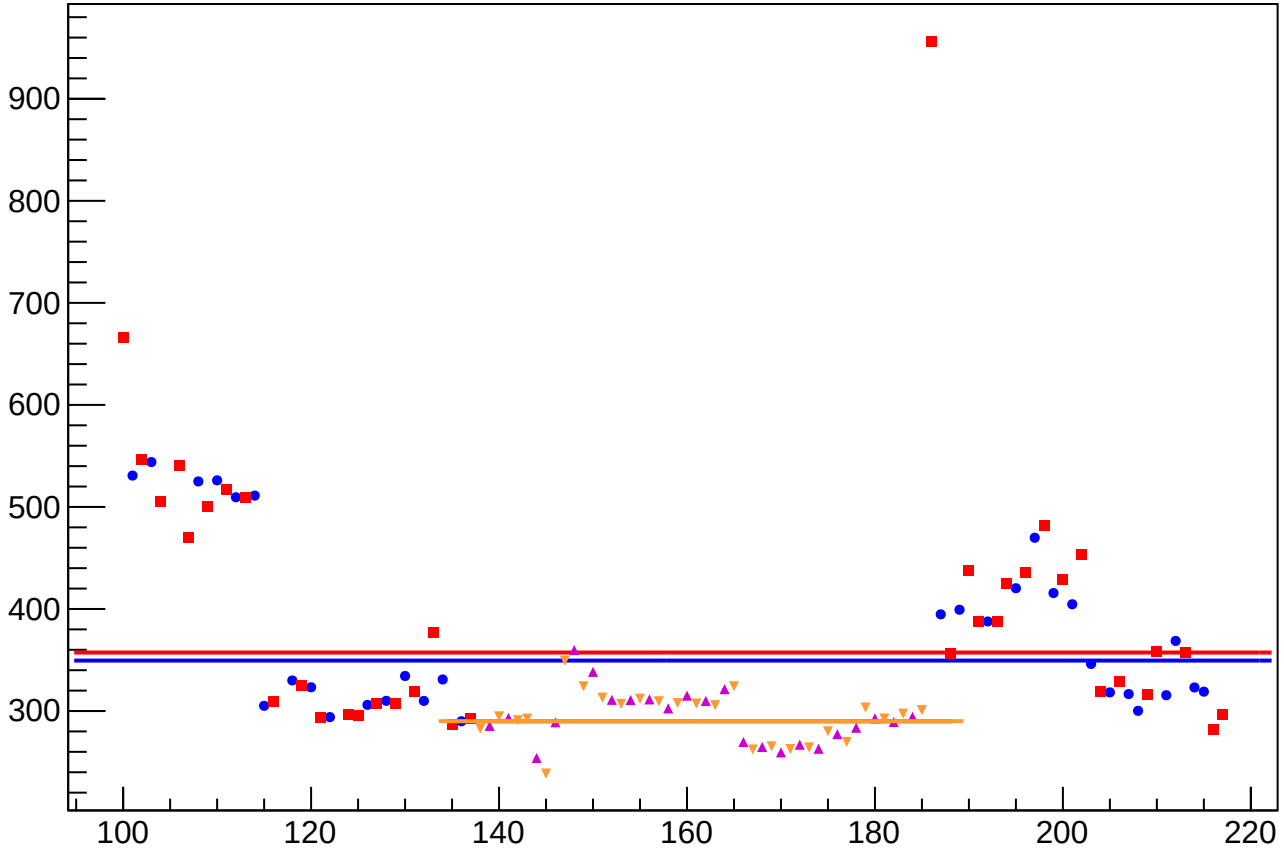
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

\+ sign -117.470+/-51.290 χ^2/NDF: 70.3/55

All: -10.305+/-36.547 χ^2/NDF: 145.8/114

\- sign 100.235+/-52.091 χ^2/NDF: 66.6/58

eigen_dit_asym_sam2_rms vs Slug



Right In: 349.449+/-0.057 χ^2/NDF: 1176209.0/30

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

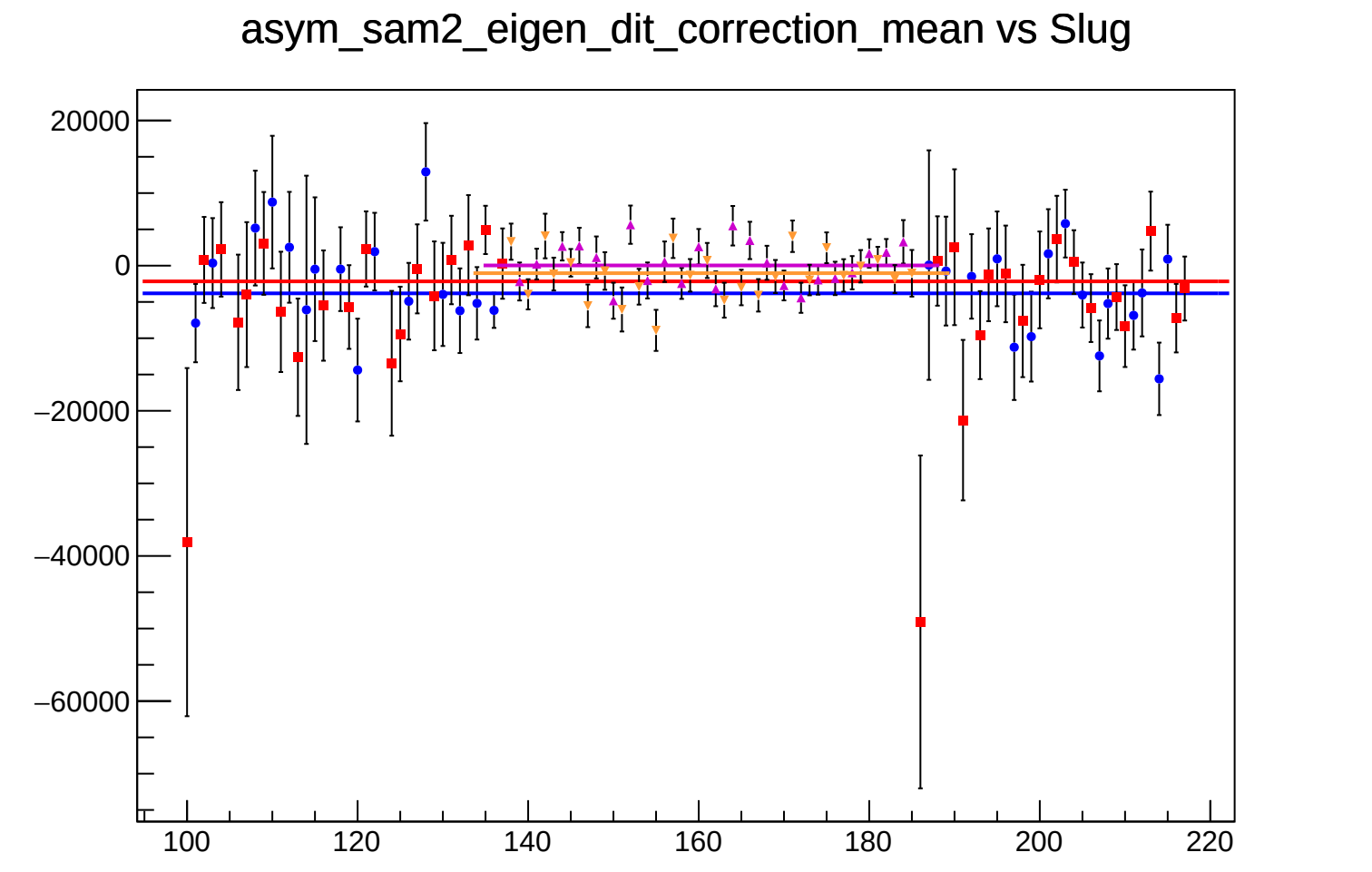
Right Out: 357.334+/-0.057 χ^2/NDF: 1808613.6/35

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 313.742+/-0.036 χ^2/NDF: 2100754.7/55

All: 315.824+/-0.026 χ^2/NDF: 4998952.3/114

- sign 317.971+/-0.037 χ^2/NDF: 2891504.2/58



Right In: -3816.199+/-996.951 χ^2/NDF: 34.3/30

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2166.302+/-1018.897 χ^2/NDF: 31.2/35

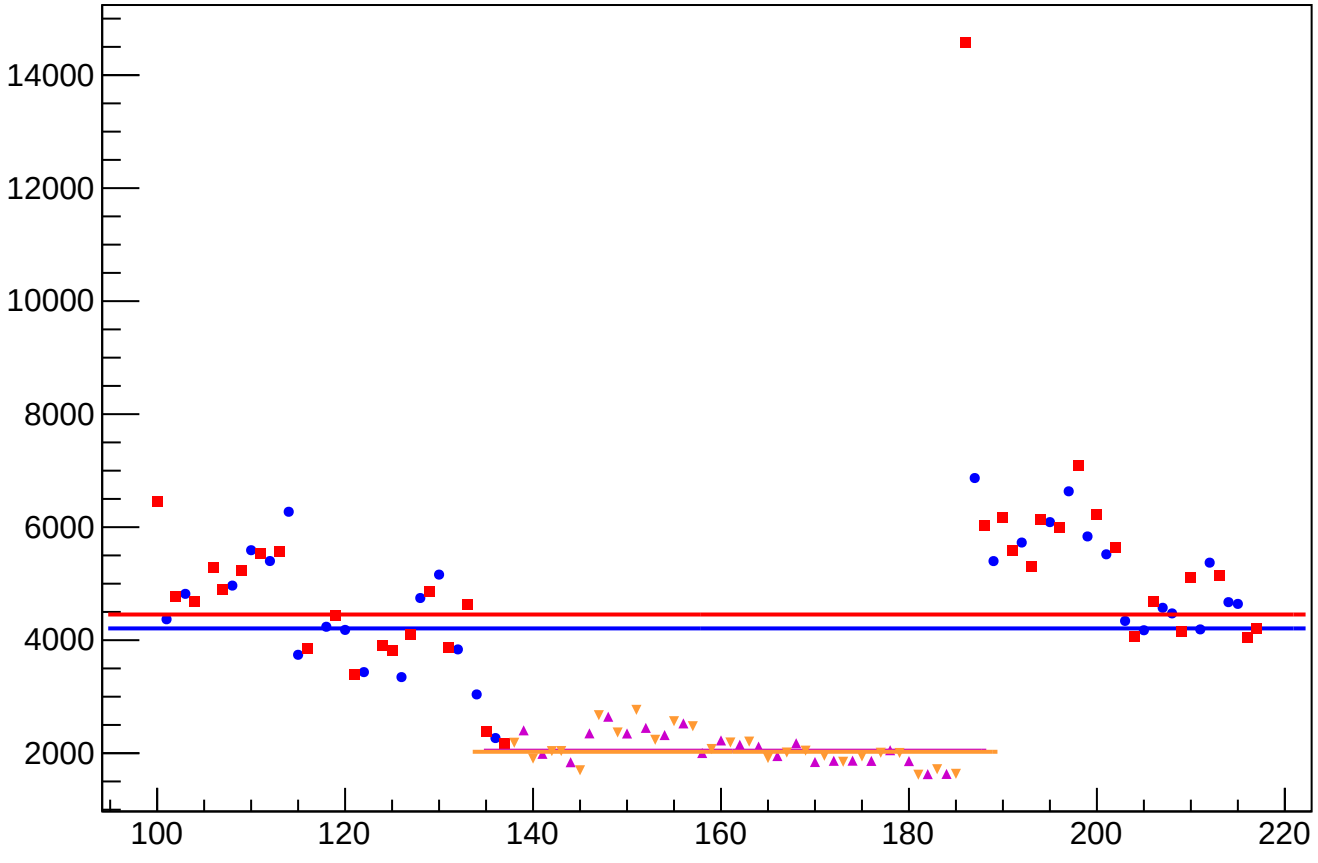
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1533.815+/-421.656 χ^2/NDF: 81.0/55

All: -972.067+/-303.071 χ^2/NDF: 153.7/114

- sign -371.686+/-435.914 χ^2/NDF: 69.1/58

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4208.339+/-0.705 χ^2/NDF: 2703949.8/30

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4454.393+/-0.720 χ^2/NDF: 2949583.2/35

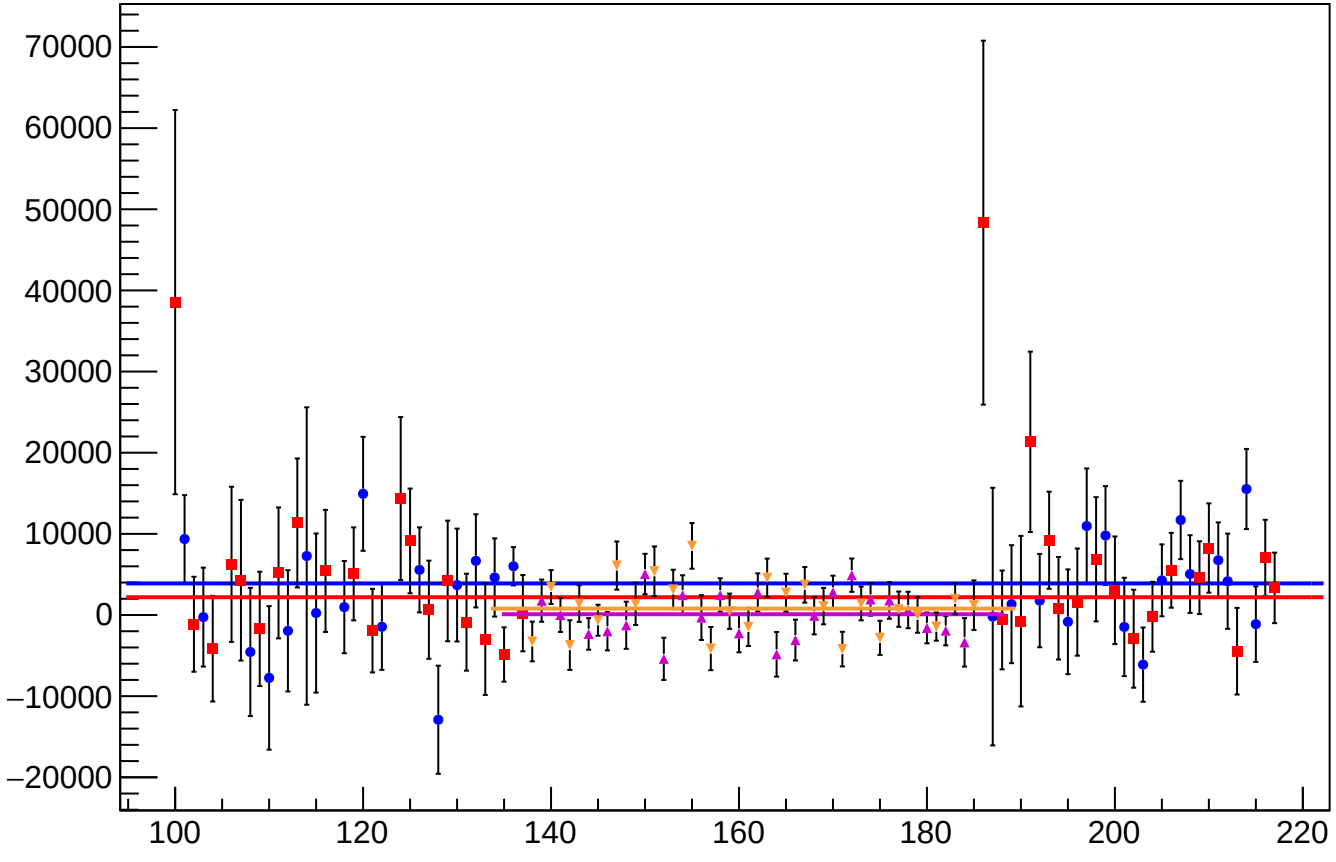
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2415.632+/-0.298 χ^2/NDF: 11280601.6/55

All: 2449.462+/-0.214 χ^2/NDF: 23982014.3/1

- sign 2485.620+/-0.308 χ^2/NDF: 12674777.8/58

asym_sam2_mean vs Slug



Right In: 3893.231+/-981.079 χ^2/NDF: 34.5/30

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2191.650+/-1008.888 χ^2/NDF: 30.0/35

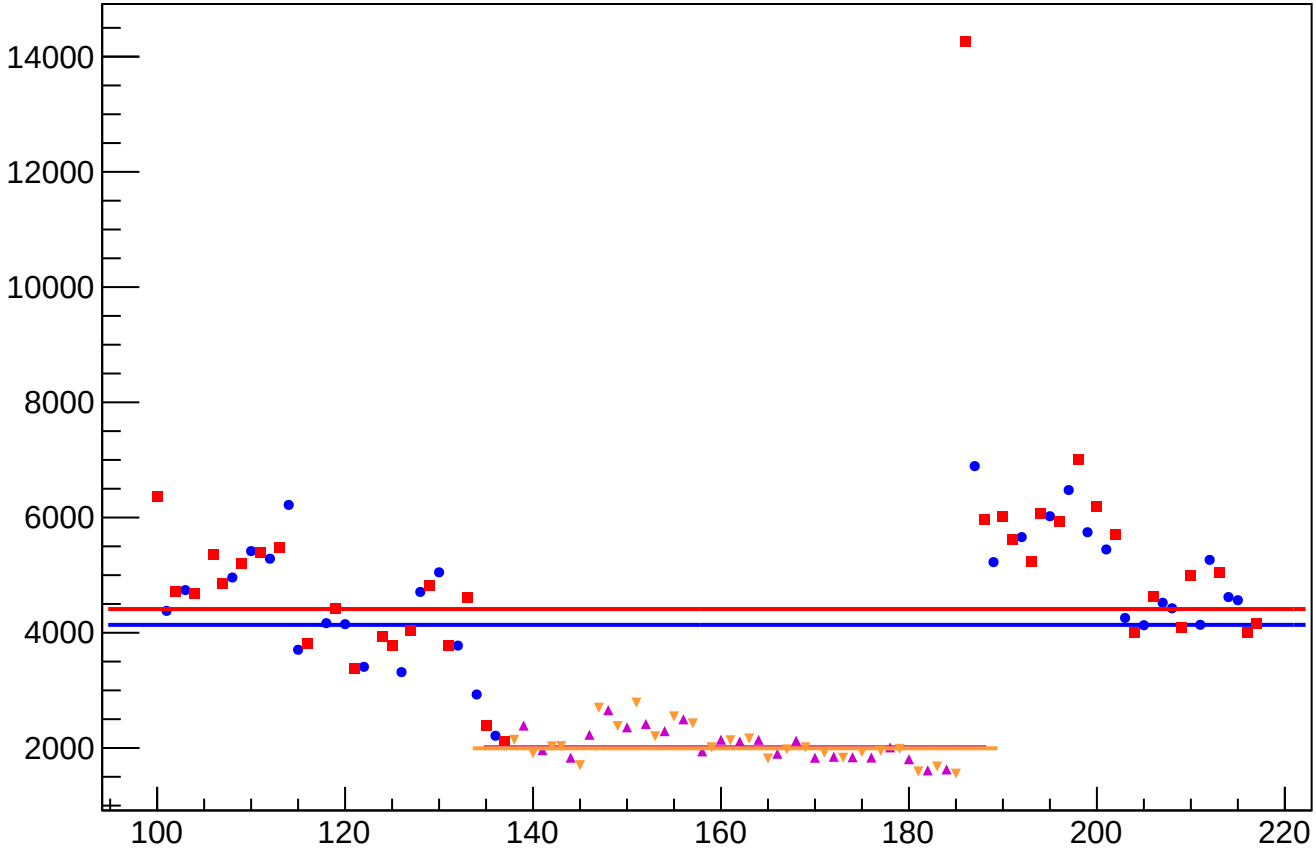
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1345.350+/-415.545 χ^2/NDF: 84.1/55

All: 925.448+/-298.687 χ^2/NDF: 152.5/114

- sign 476.617+/-429.622 χ^2/NDF: 66.3/58

asym_sam2_rms vs Slug



Right In: 4137.254+/-0.694 χ^2/NDF: 2759582.5/30

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4411.980+/-0.713 χ^2/NDF: 2932890.6/35

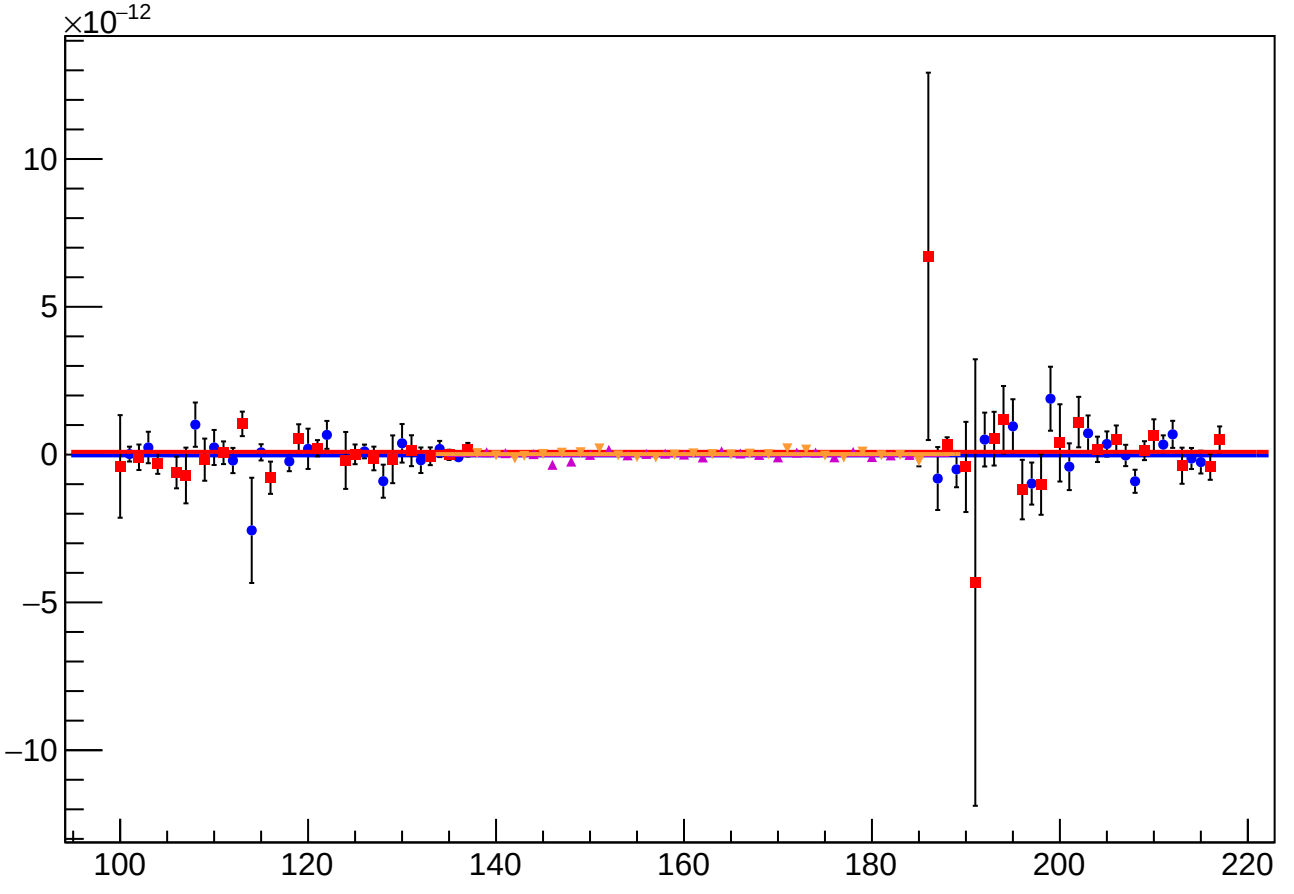
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2378.707+/-0.294 χ^2/NDF: 11336773.6/55

All: 2412.089+/-0.211 χ^2/NDF: 24143691.6/1

- sign 2447.772+/-0.304 χ^2/NDF: 12780214.6/58

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/35

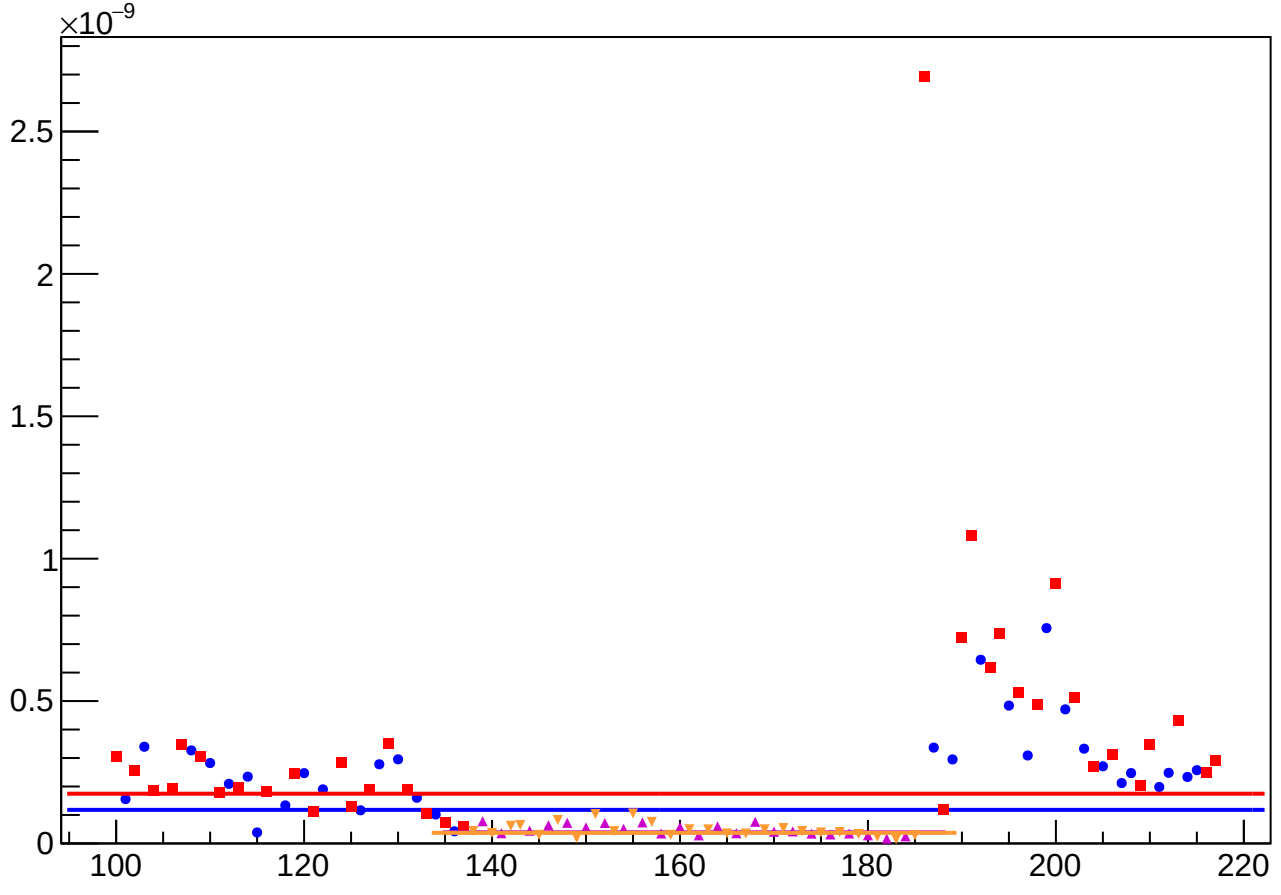
Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/55

All: 0.000+/-0.000 χ^2/NDF: 114.3/114

- sign -0.000+/-0.000 χ^2/NDF: 59.9/58

asym_sam2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7476706.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5958073.1/35

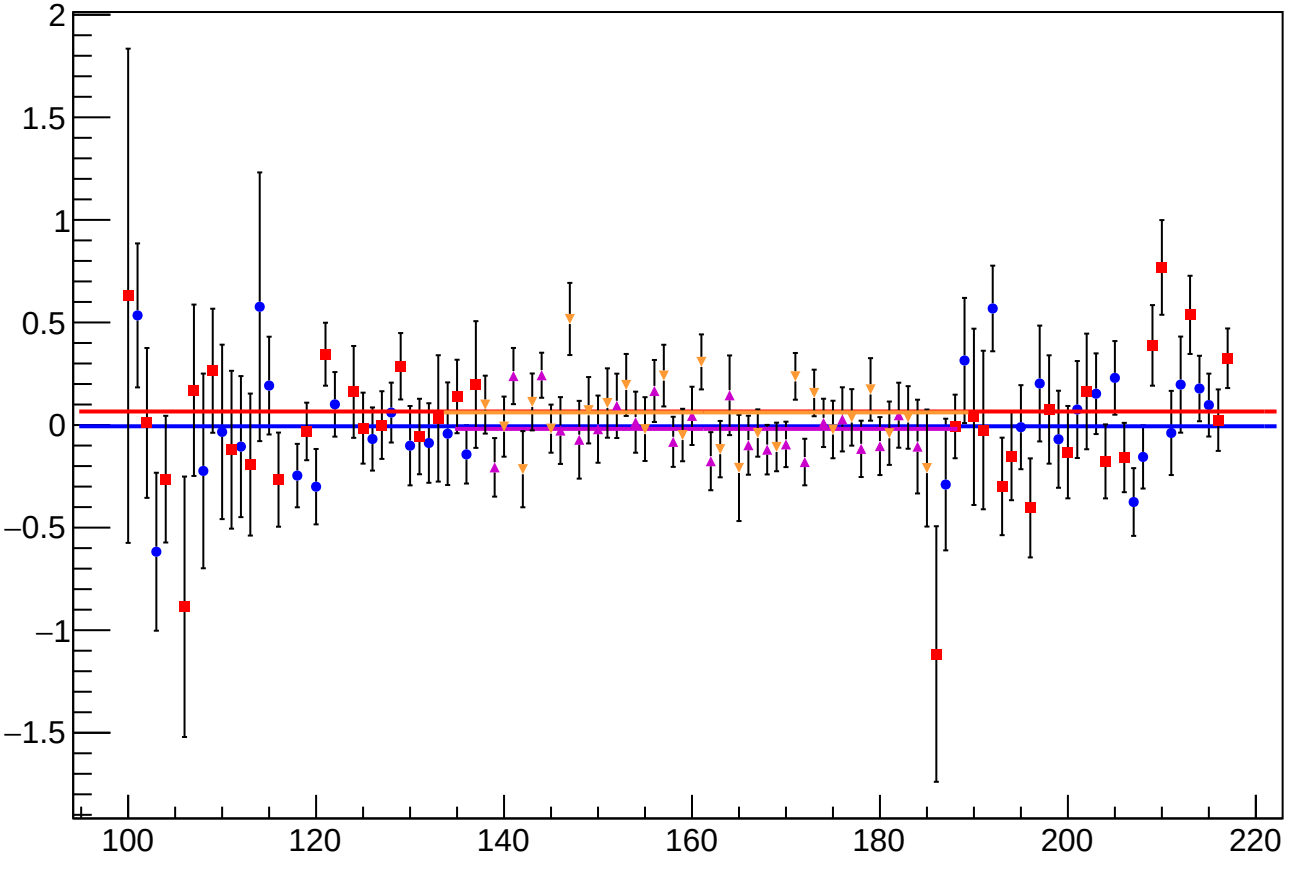
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13840692.4/55

All: 0.000+/-0.000 χ^2/NDF: 28731564.1/114

- sign 0.000+/-0.000 χ^2/NDF: 14856464.9/58

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

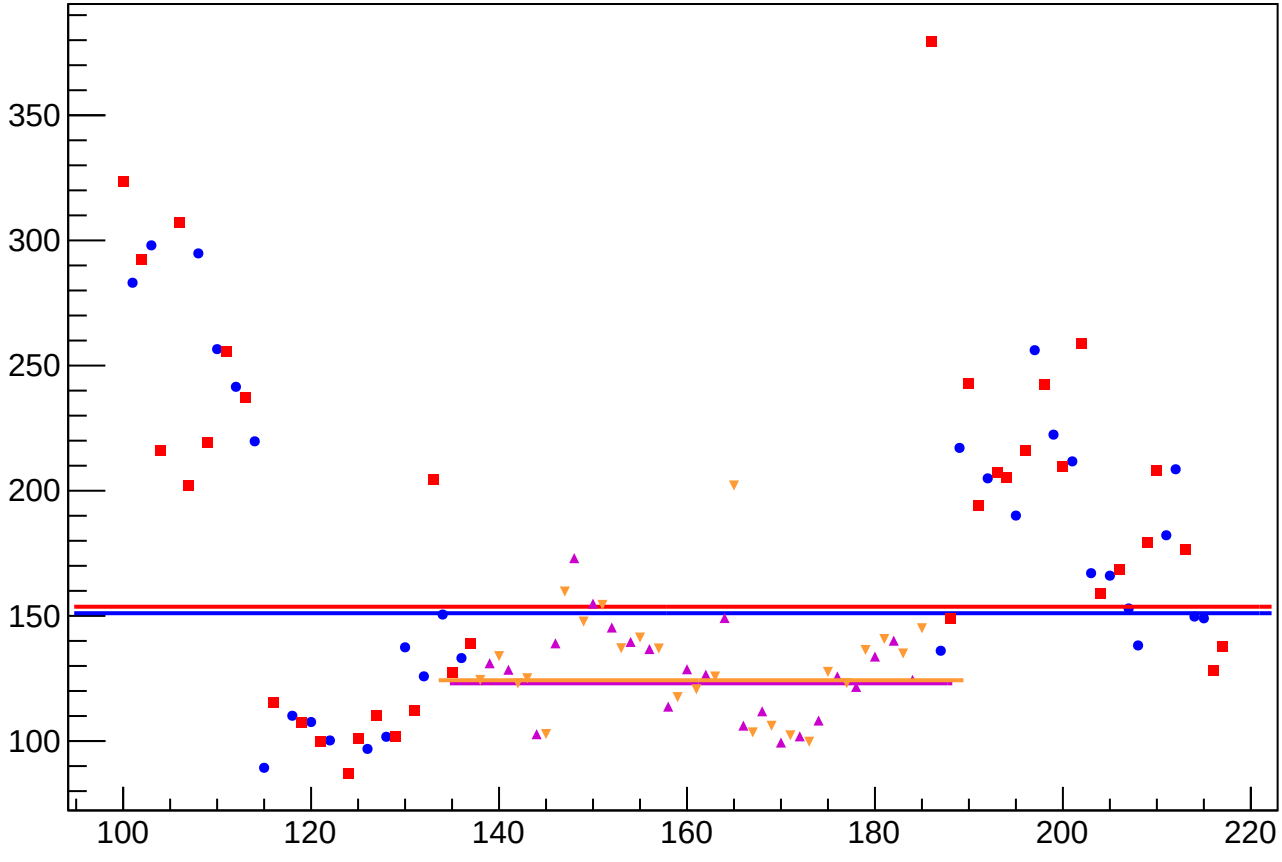
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.036+/-0.023 χ^2/NDF: 64.5/55

All: 0.025+/-0.016 χ^2/NDF: 139.4/114

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 151.070+/-0.026 χ^2/NDF: 3292552.9/30

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

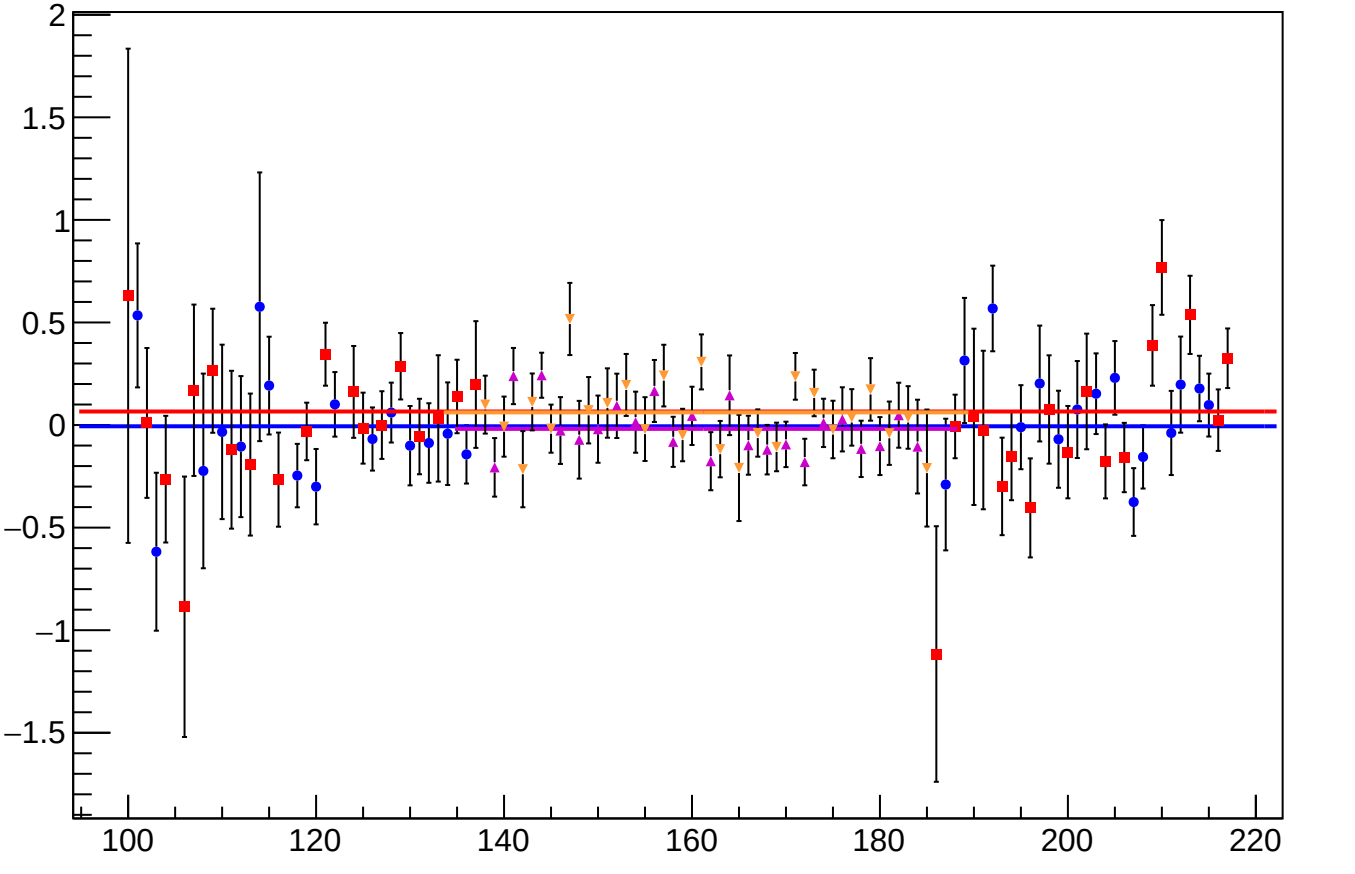
Right Out: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.494+/-0.016 χ^2/NDF: 4797728.1/55

All: 134.845+/-0.011 χ^2/NDF: 10338014.5/11

- sign 135.204+/-0.016 χ^2/NDF: 5539305.7/58



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

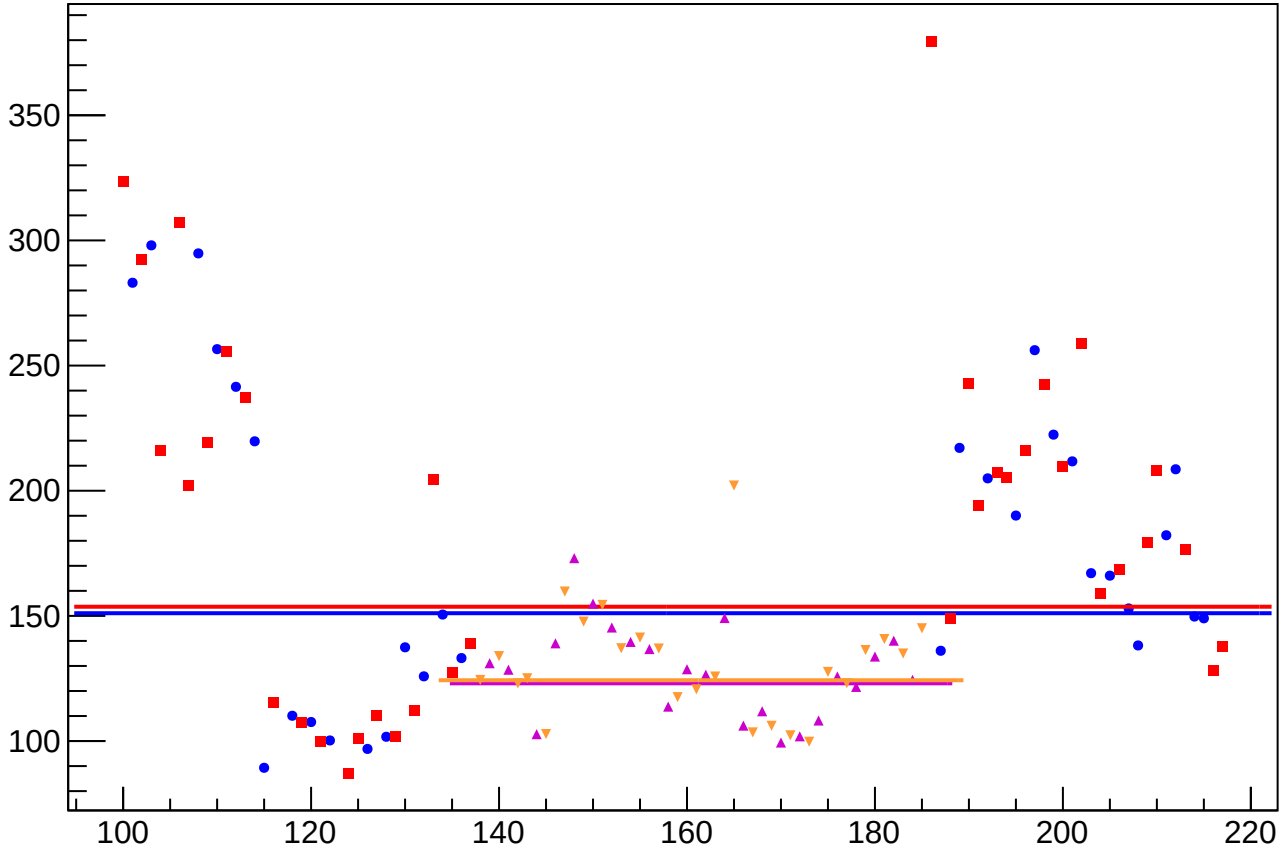
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.036+/-0.023 χ^2/NDF: 64.5/55

All: 0.025+/-0.016 χ^2/NDF: 139.4/114

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.070+/-0.026 χ^2/NDF: 3292552.9/30

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 153.661+/-0.026 χ^2/NDF: 3956692.6/35

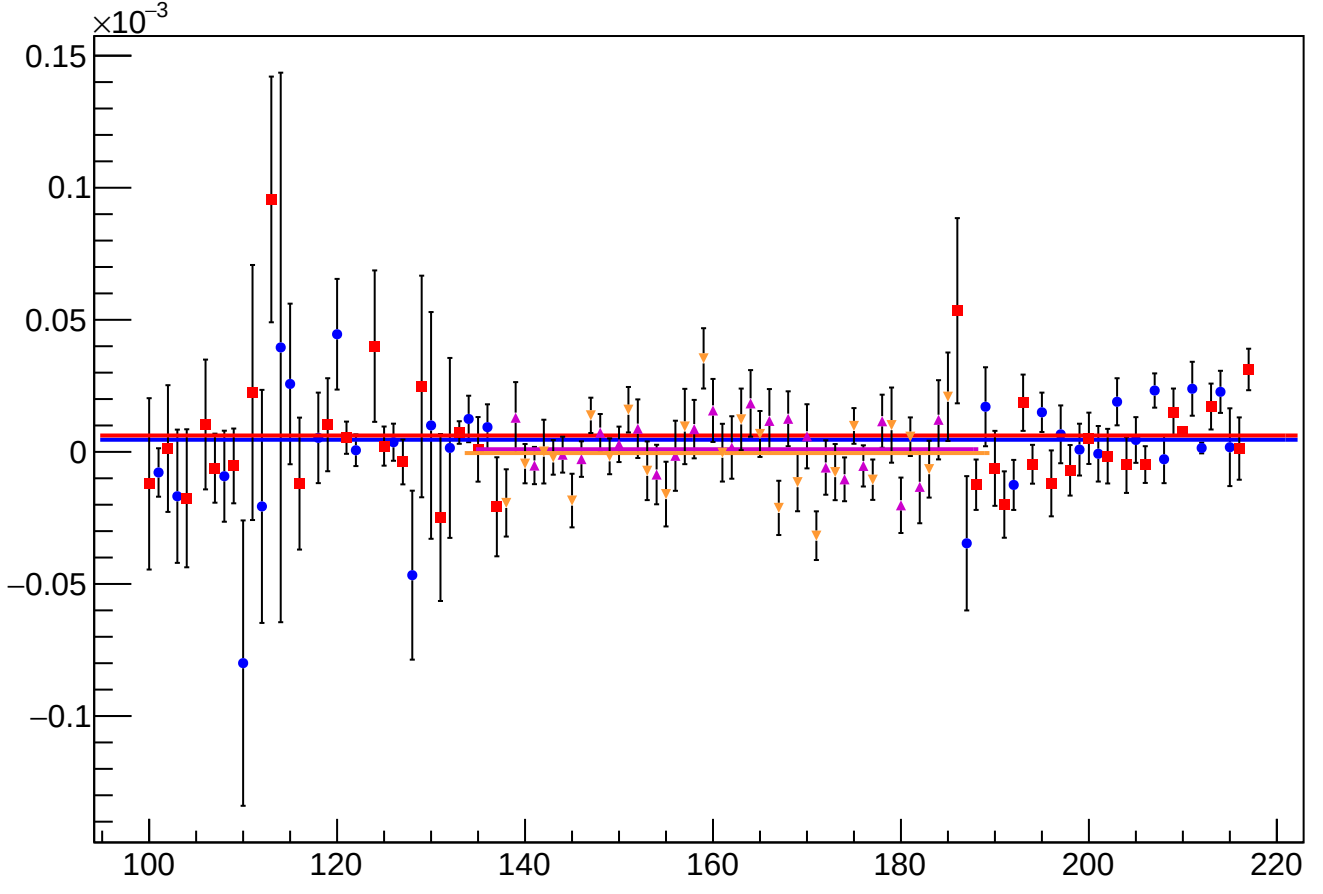
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.494+/-0.016 χ^2/NDF: 4797728.1/55

All: 134.845+/-0.011 χ^2/NDF: 10338014.5/11

- sign 135.204+/-0.016 χ^2/NDF: 5539305.7/58

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.7/35

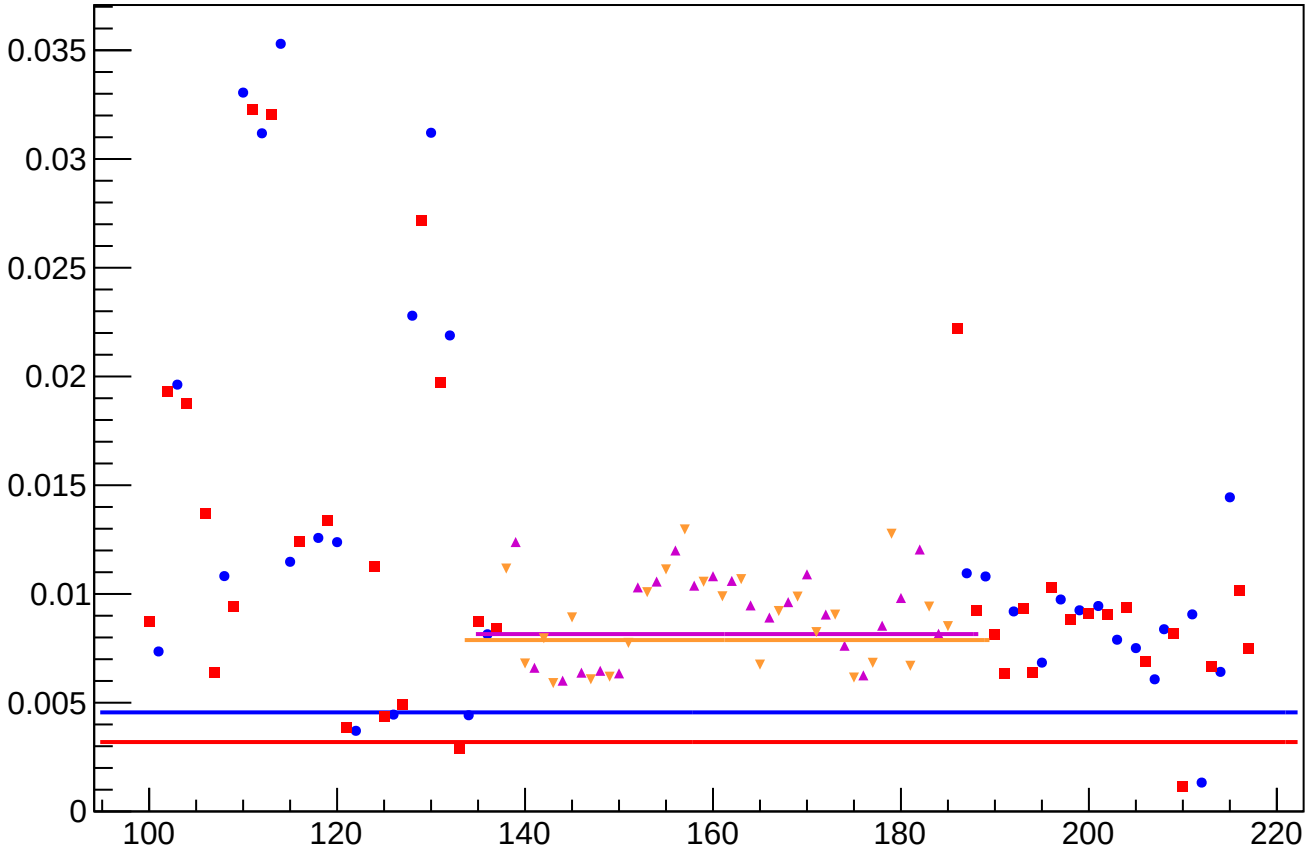
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 102.8/55

All: 0.000+/-0.000 χ^2/NDF: 181.3/114

- sign 0.000+/-0.000 χ^2/NDF: 76.0/58

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 15637429.5/30

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20795293.0/35

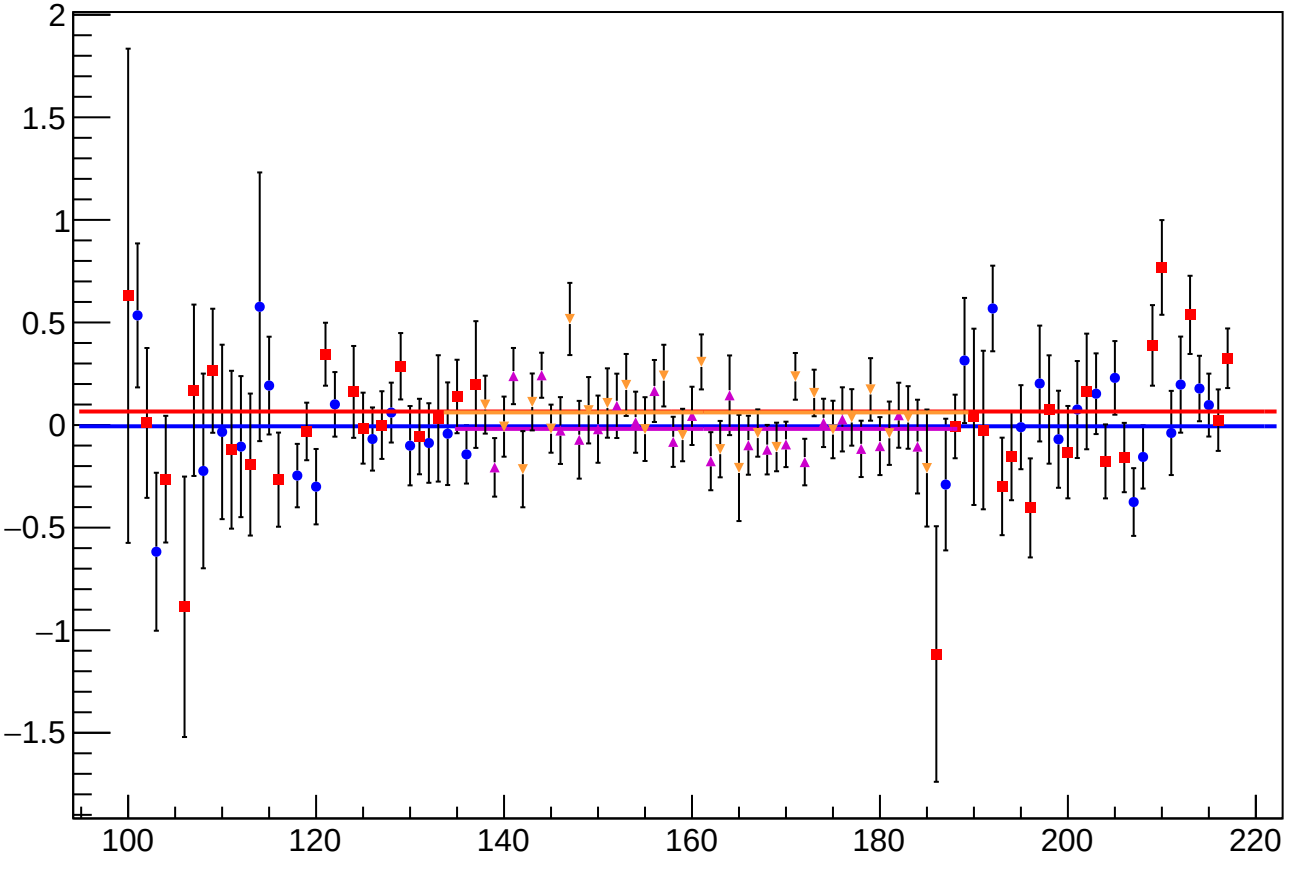
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

\+ sign 0.006+/-0.000 χ^2/NDF: 21770733.4/55

All: 0.005+/-0.000 χ^2/NDF: 56373745.9/114

\- sign 0.004+/-0.000 χ^2/NDF: 32541800.6/58

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

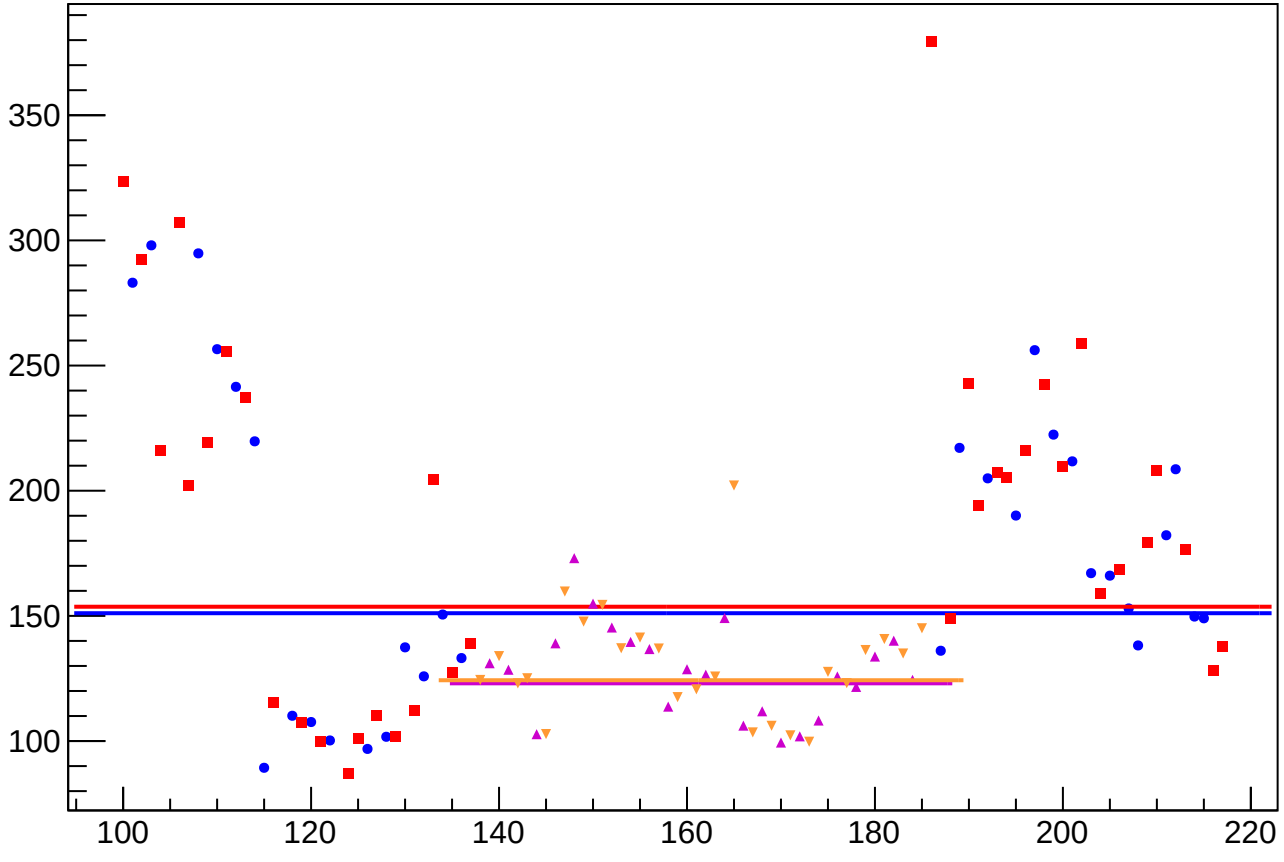
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.036+/-0.023 χ^2/NDF: 64.5/55

All: 0.025+/-0.016 χ^2/NDF: 139.4/114

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 151.068+/-0.026 χ^2/NDF: 3292629.8/30

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

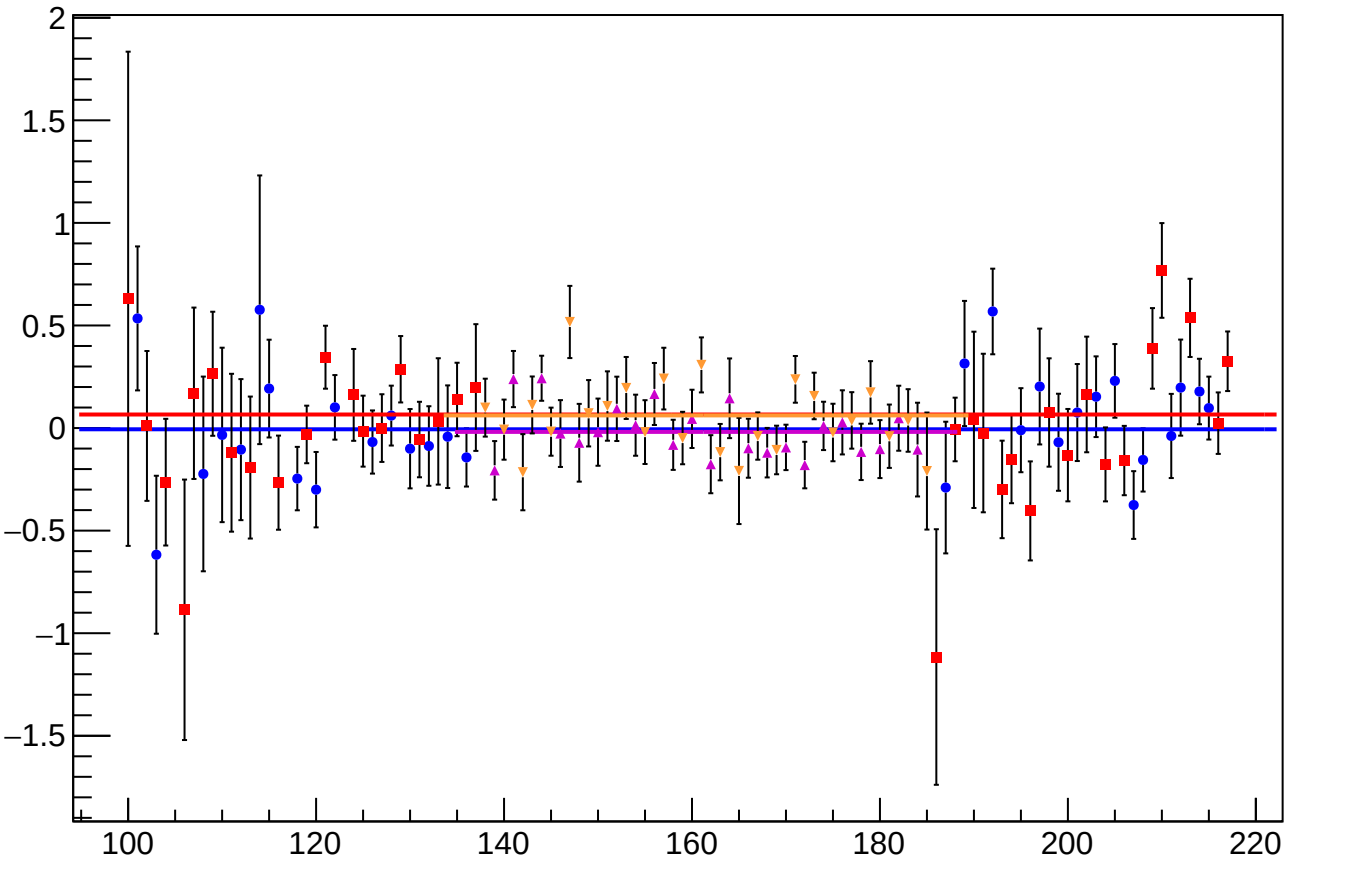
Right Out: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.493+/-0.016 χ^2/NDF: 4797772.5/55

All: 134.845+/-0.011 χ^2/NDF: 10338115.3/11

- sign 135.203+/-0.016 χ^2/NDF: 5539362.4/58



Right In: -0.006+/-0.037 χ^2/NDF: 34.9/30

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

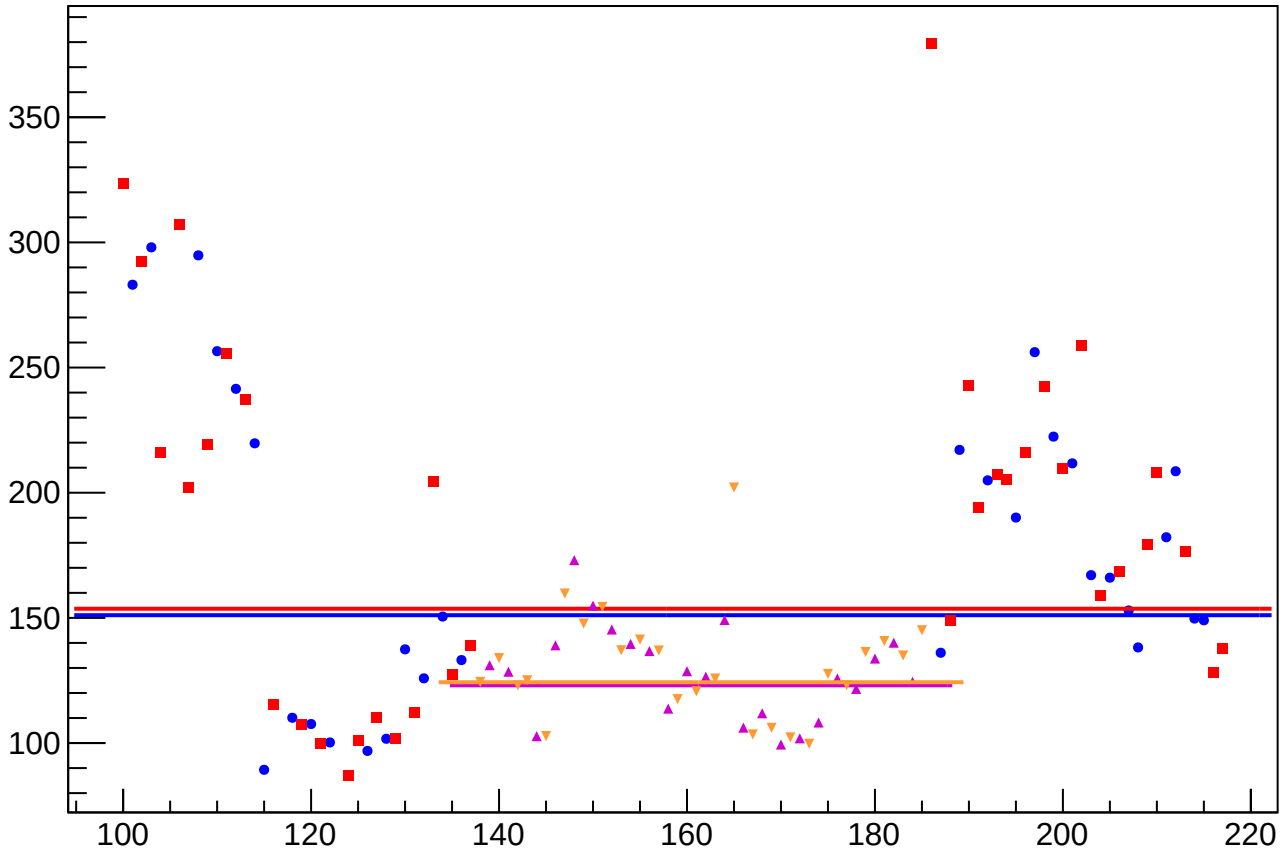
Right Out: 0.066+/-0.036 χ^2/NDF: 50.9/35

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.036+/-0.023 χ^2/NDF: 64.5/55

All: 0.025+/-0.016 χ^2/NDF: 139.4/114

- sign 0.015+/-0.023 χ^2/NDF: 74.5/58



Right In: 151.068+/-0.026 χ^2/NDF: 3292629.8/30

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 153.660+/-0.026 χ^2/NDF: 3956816.6/35

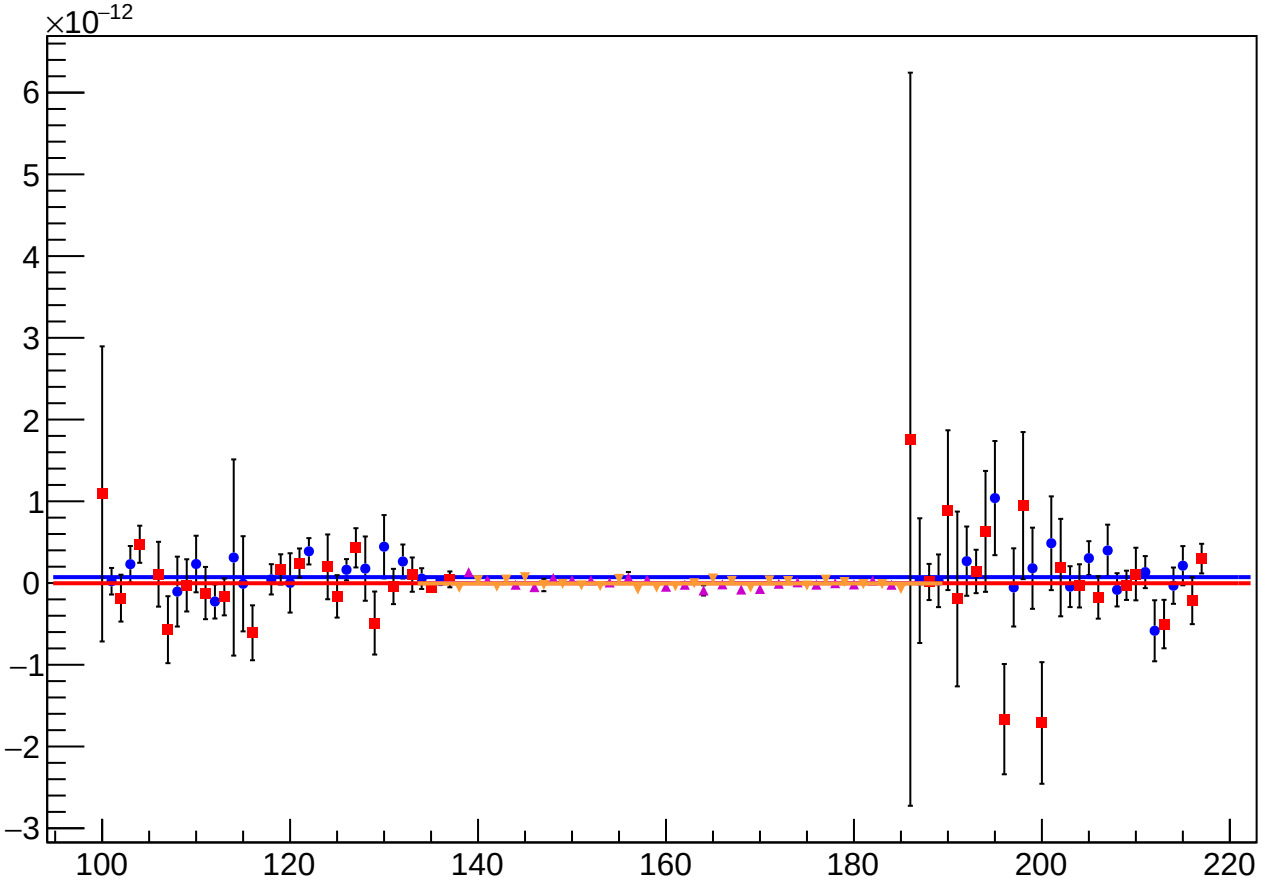
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.493+/-0.016 χ^2/NDF: 4797772.5/55

All: 134.845+/-0.011 χ^2/NDF: 10338115.3/11

- sign 135.203+/-0.016 χ^2/NDF: 5539362.4/58

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

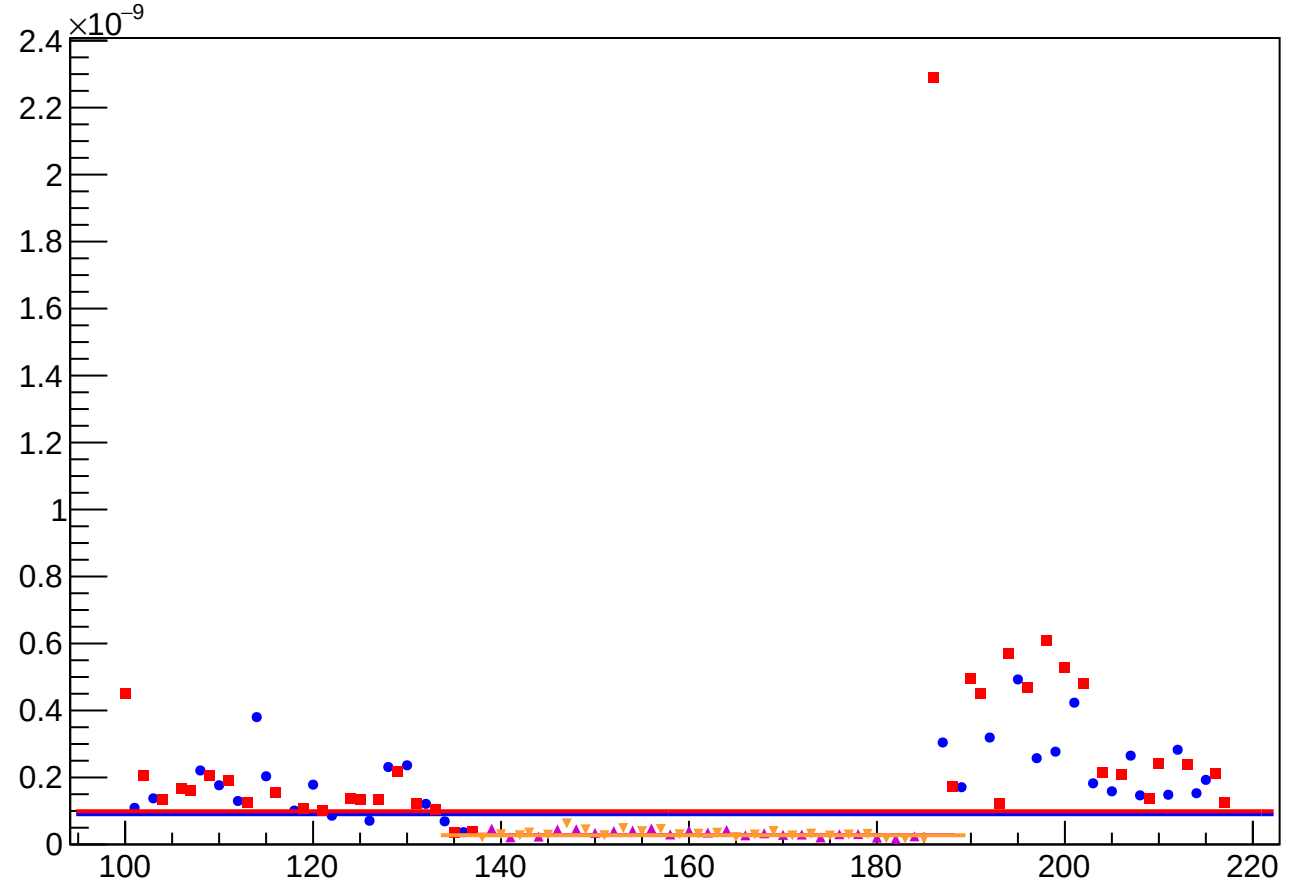
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/35

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/55

All: -0.000+/-0.000 χ^2/NDF: 116.5/114

- sign -0.000+/-0.000 χ^2/NDF: 66.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 9235253.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11302812.9/35

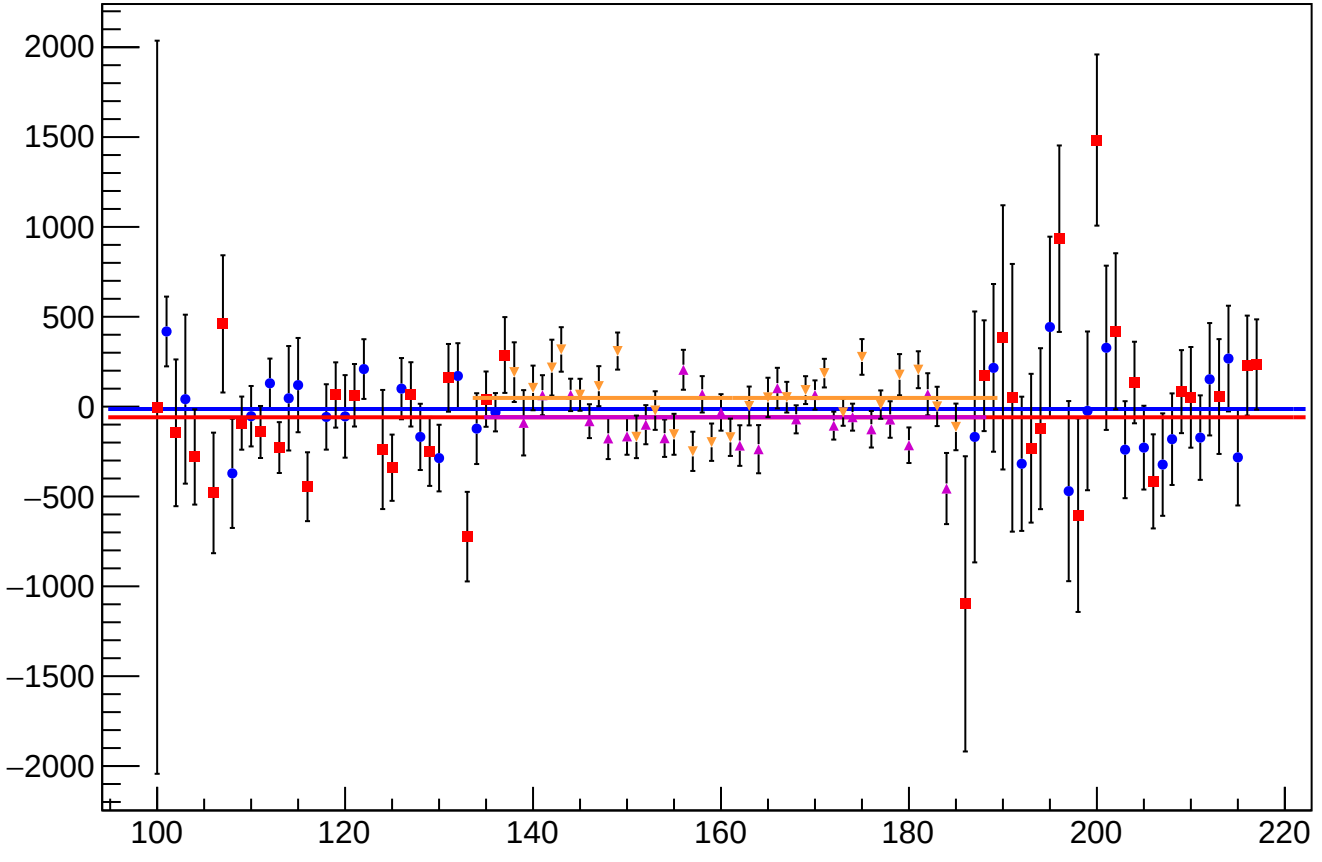
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18644617.6/55

All: 0.000+/-0.000 χ^2/NDF: 39912568.4/114

- sign 0.000+/-0.000 χ^2/NDF: 21251539.2/58

reg_asym_sam3_mean vs Slug



Right In: -13.238+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.266+/-40.044 χ^2/NDF: 51.5/35

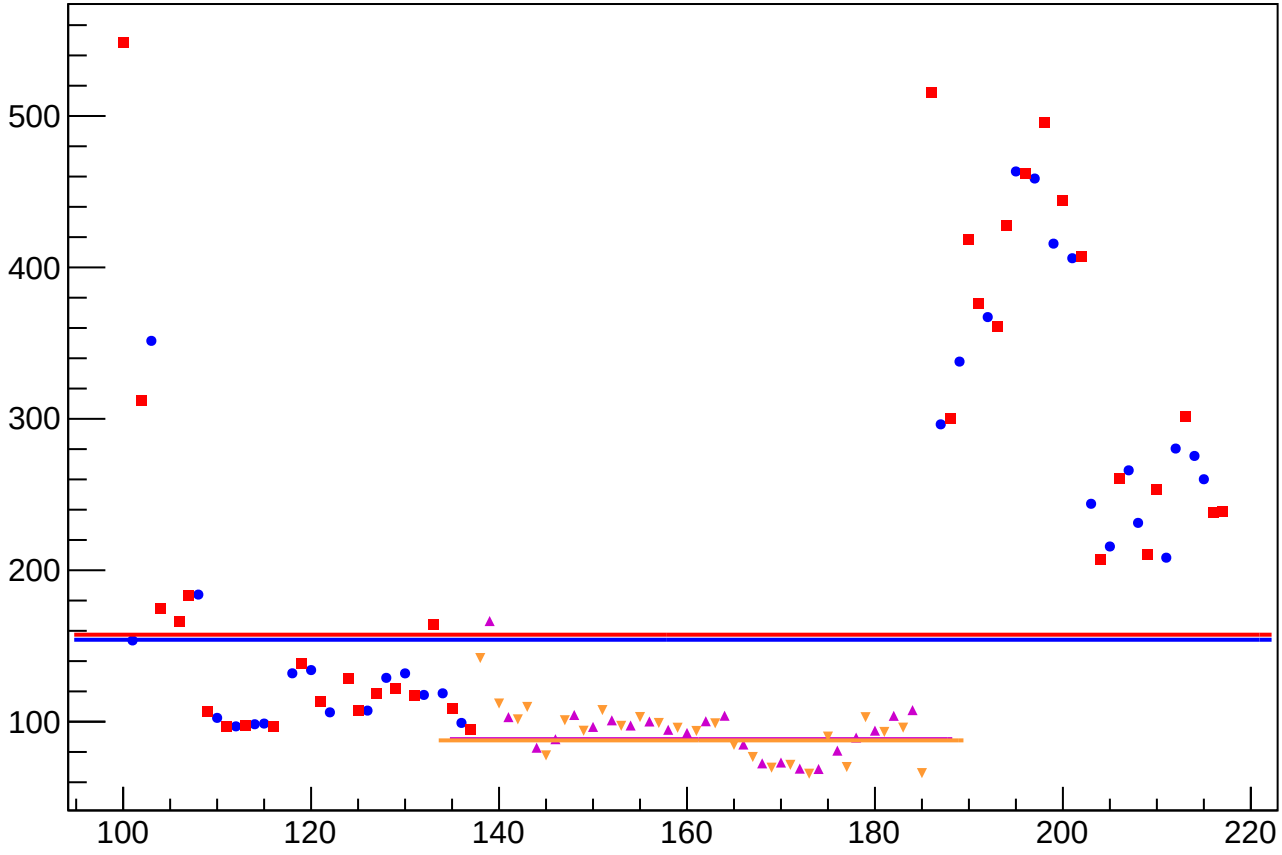
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 35.663+/-18.192 χ^2/NDF: 78.8/55

All: -10.384+/-13.042 χ^2/NDF: 174.1/114

- sign -59.069+/-18.706 χ^2/NDF: 82.1/58

reg_asym_sam3_rms vs Slug



Right In: 154.108+/-0.028 χ^2/NDF: 7961113.3/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 157.453+/-0.028 χ^2/NDF: 9307484.6/35

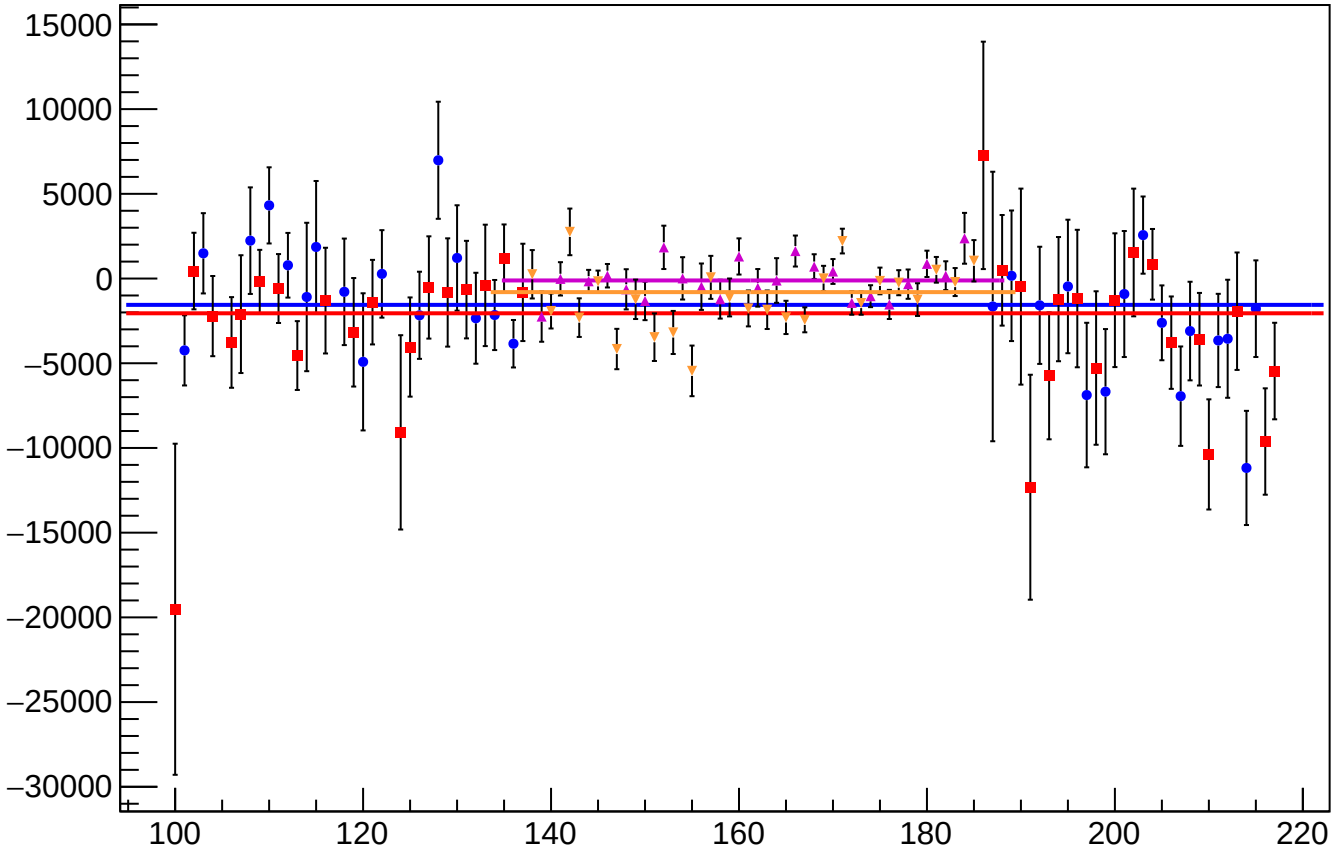
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 101.381+/-0.013 χ^2/NDF: 13547737.4/55

All: 102.427+/-0.009 χ^2/NDF: 28582915.9/11

- sign 103.533+/-0.013 χ^2/NDF: 15021577.7/58

asym_sam3_reg_correction_mean vs Slug



Right In: -1554.047+/-492.414 χ^2/NDF: 45.0/30

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

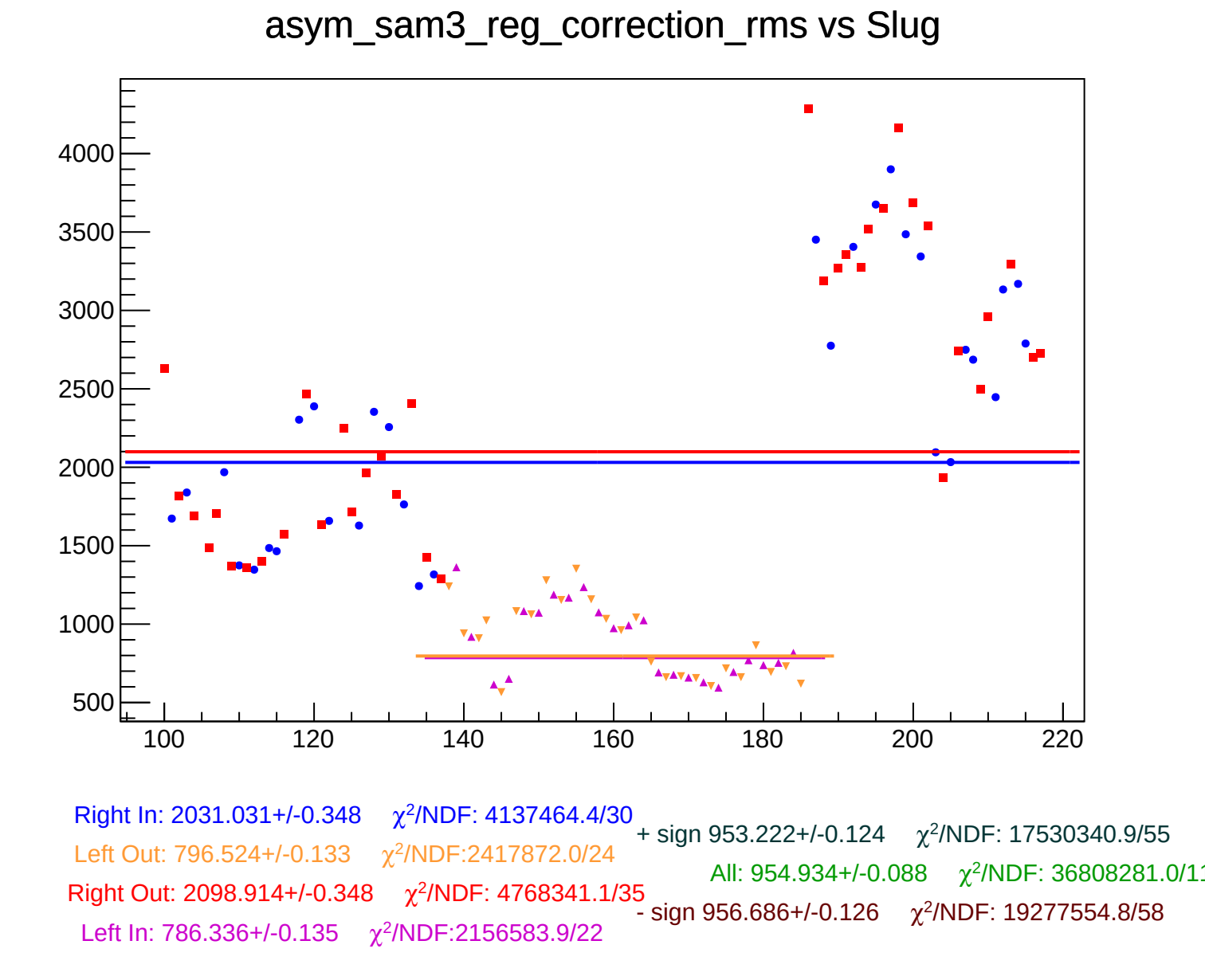
Right Out: -2051.239+/-492.690 χ^2/NDF: 37.7/35

Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

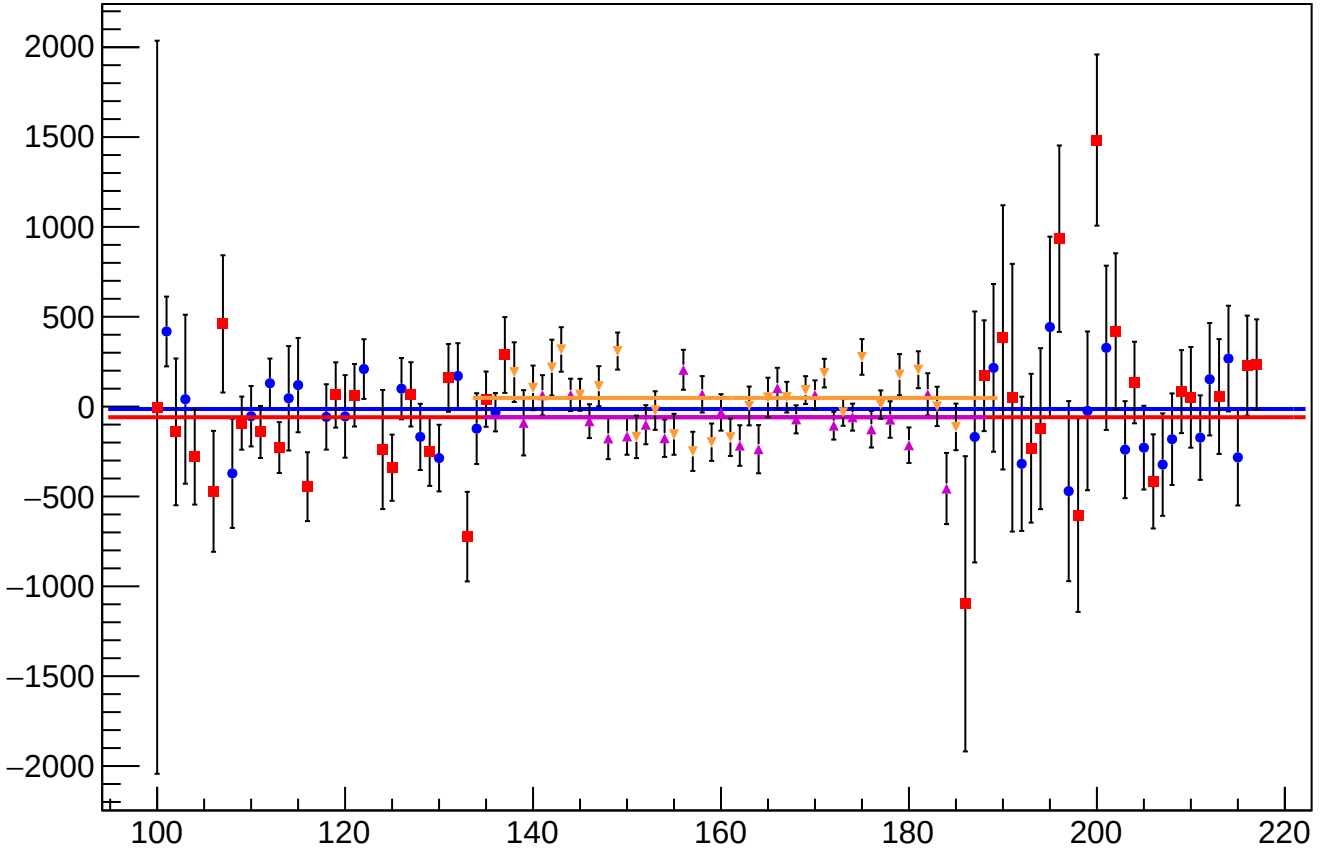
+ sign -897.028+/-175.435 χ^2/NDF: 118.9/55

All: -633.673+/-124.773 χ^2/NDF: 201.7/114

- sign -364.101+/-177.494 χ^2/NDF: 78.2/58


asym_sam3_reg_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 2031.031+/-0.348 χ²/NDF: 4137464.4/30
Left Out: 796.524+/-0.133 χ²/NDF:2417872.0/24
Right Out: 2098.914+/-0.348 χ²/NDF: 4768341.1/35
Left In: 786.336+/-0.135 χ²/NDF:2156583.9/22
+ sign 953.222+/-0.124 χ²/NDF: 17530340.9/55
All: 954.934+/-0.088 χ²/NDF: 36808281.0/11
- sign 956.686+/-0.126 χ²/NDF: 19277554.8/58

cor_asym_sam3_mean vs Slug



Right In: -13.251+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.049+/-40.046 χ^2/NDF: 51.4/35

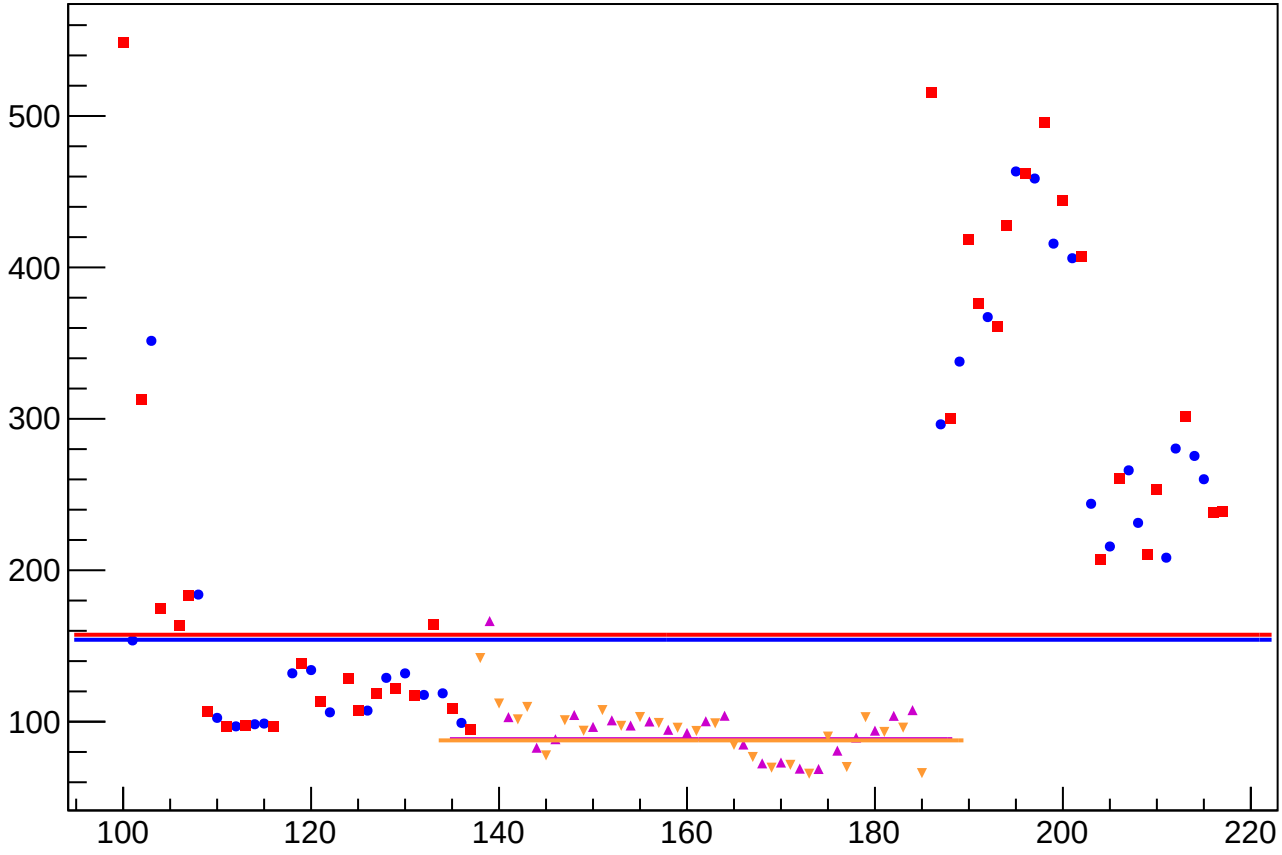
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 35.666+/-18.192 χ^2/NDF: 78.8/55

All: -10.360+/-13.042 χ^2/NDF: 173.9/114

- sign -59.023+/-18.706 χ^2/NDF: 82.0/58

cor_asym_sam3_rms vs Slug



Right In: 154.108+/-0.028 χ^2/NDF: 7961115.9/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

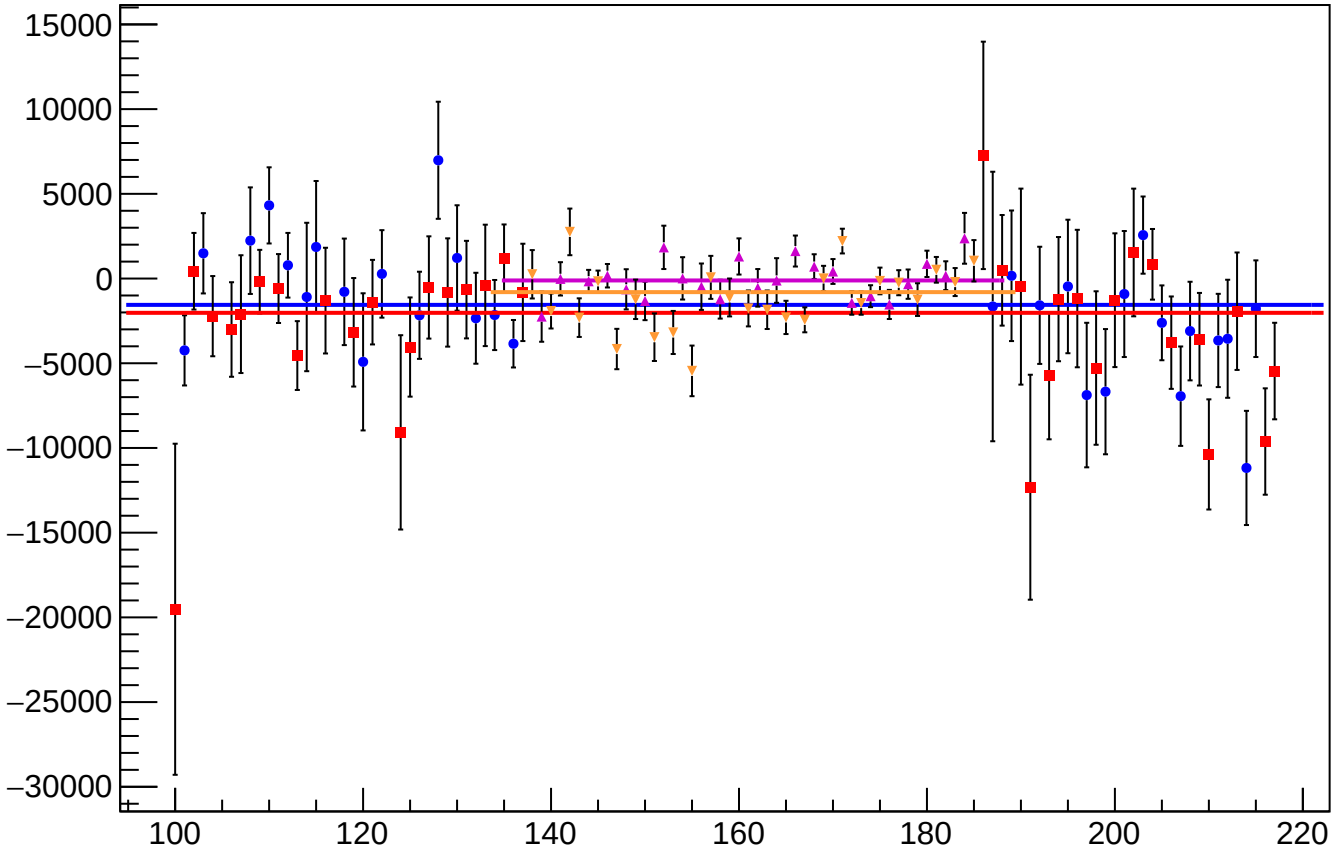
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 101.381+/-0.013 χ^2/NDF: 13547738.9/55

All: 102.422+/-0.009 χ^2/NDF: 28577153.3/11

- sign 103.524+/-0.013 χ^2/NDF: 15015926.6/58

asym_sam3_cor_correction_mean vs Slug



Right In: -1554.044+/-492.416 χ^2/NDF: 45.0/30

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2023.512+/-493.388 χ^2/NDF: 37.4/35

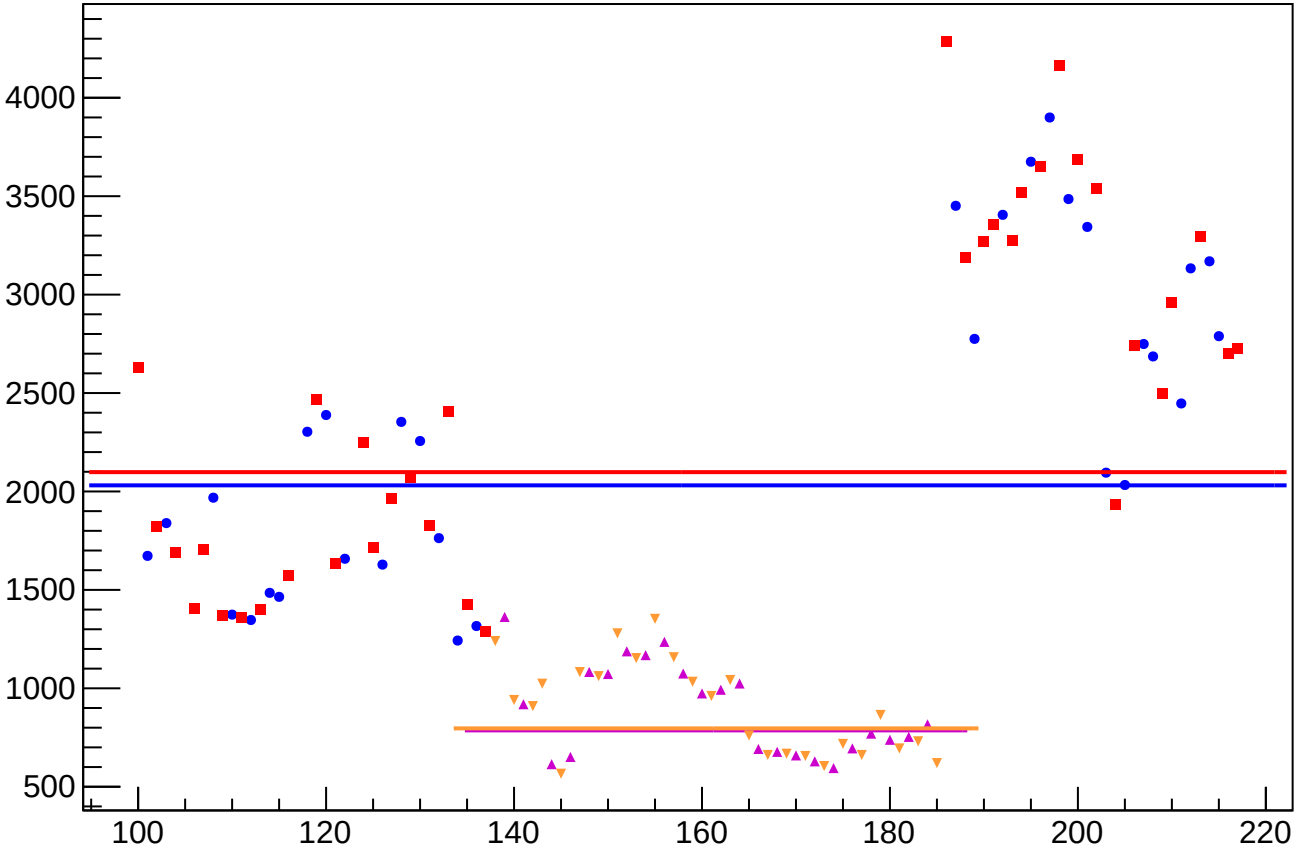
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -897.020+/-175.435 χ^2/NDF: 118.9/55

All: -631.639+/-124.784 χ^2/NDF: 201.0/114

- sign -359.893+/-177.526 χ^2/NDF: 77.5/58

asym_sam3_cor_correction_rms vs Slug



Right In: 2031.041+/-0.348 χ^2/NDF: 4137440.1/30

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

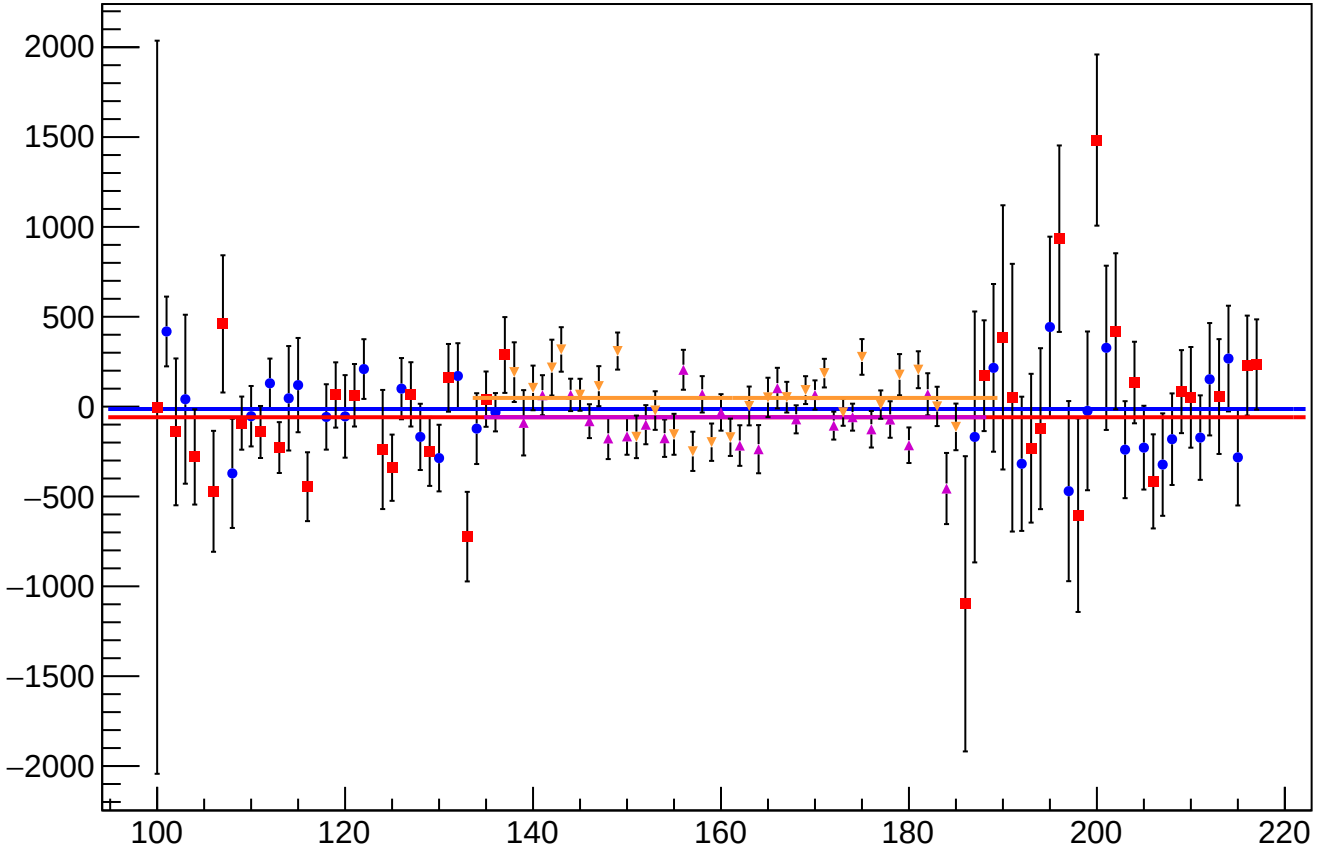
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

\+ sign 953.222+/-0.124 χ^2/NDF: 17530402.1/55

All: 954.678+/-0.088 χ^2/NDF: 36781940.6/11

\- sign 956.169+/-0.126 χ^2/NDF: 19251259.7/58

eigen_cor_asym_sam3_mean vs Slug



Right In: -13.251+/-40.029 χ^2/NDF: 23.3/30

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -59.049+/-40.046 χ^2/NDF: 51.4/35

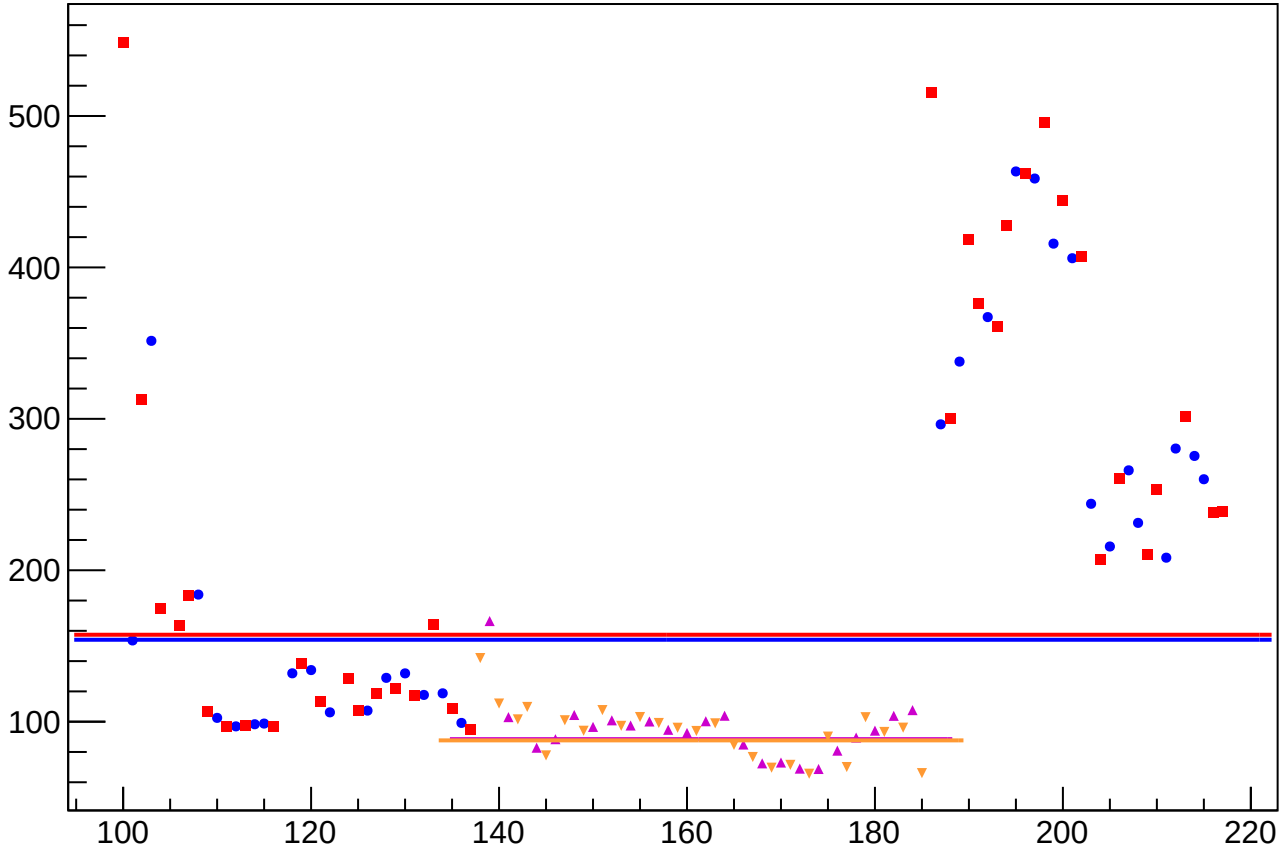
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 35.666+/-18.192 χ^2/NDF: 78.8/55

All: -10.360+/-13.042 χ^2/NDF: 173.9/114

- sign -59.023+/-18.706 χ^2/NDF: 82.0/58

eigen_cor_asym_sam3_rms vs Slug



Right In: 154.108+/-0.028 χ^2/NDF: 7961115.9/30

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

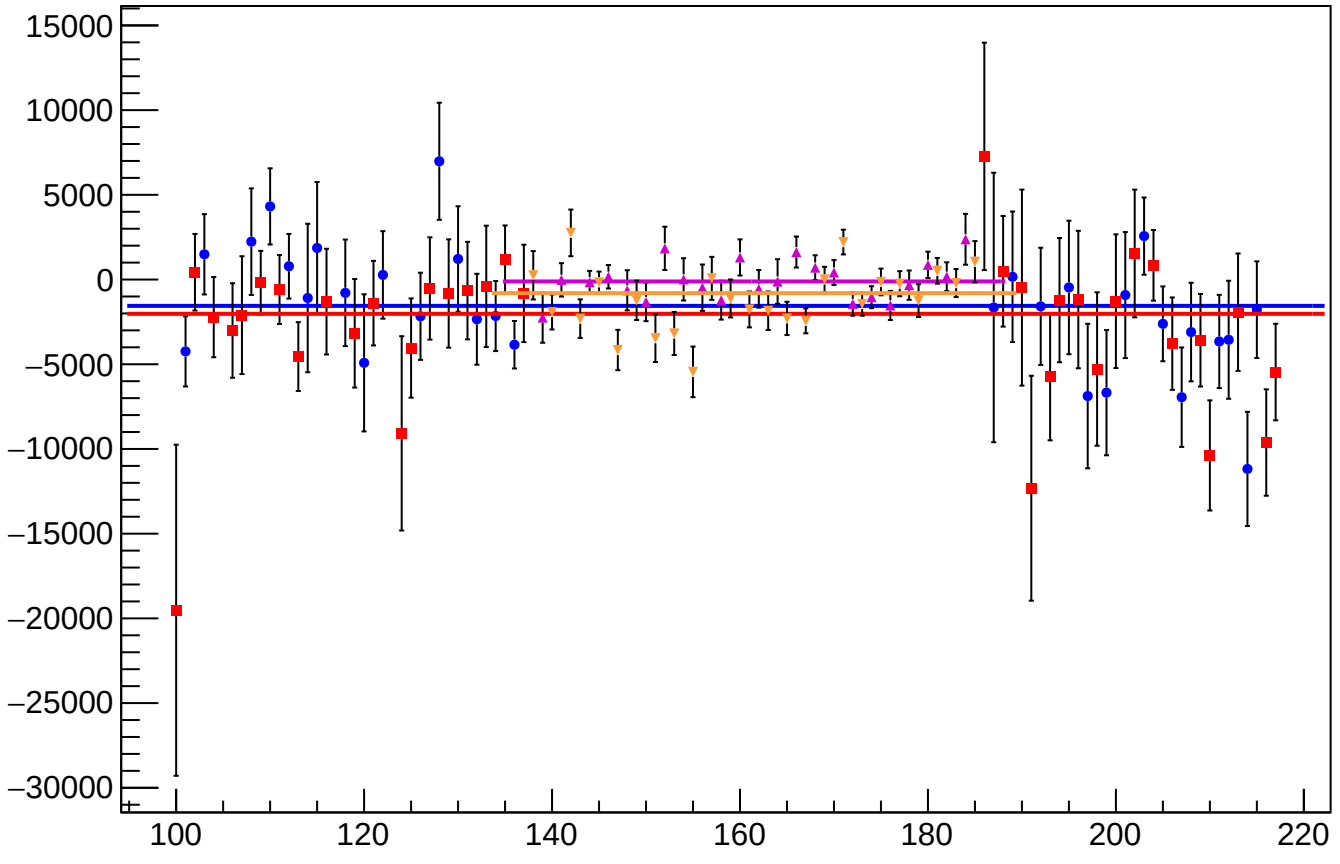
Right Out: 157.418+/-0.028 χ^2/NDF: 9306983.7/35

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 101.381+/-0.013 χ^2/NDF: 13547738.9/55

All: 102.422+/-0.009 χ^2/NDF: 28577153.3/11

- sign 103.524+/-0.013 χ^2/NDF: 15015926.6/58



Right In: -1554.044+/-492.416 χ^2/NDF: 45.0/30

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2023.512+/-493.388 χ^2/NDF: 37.4/35

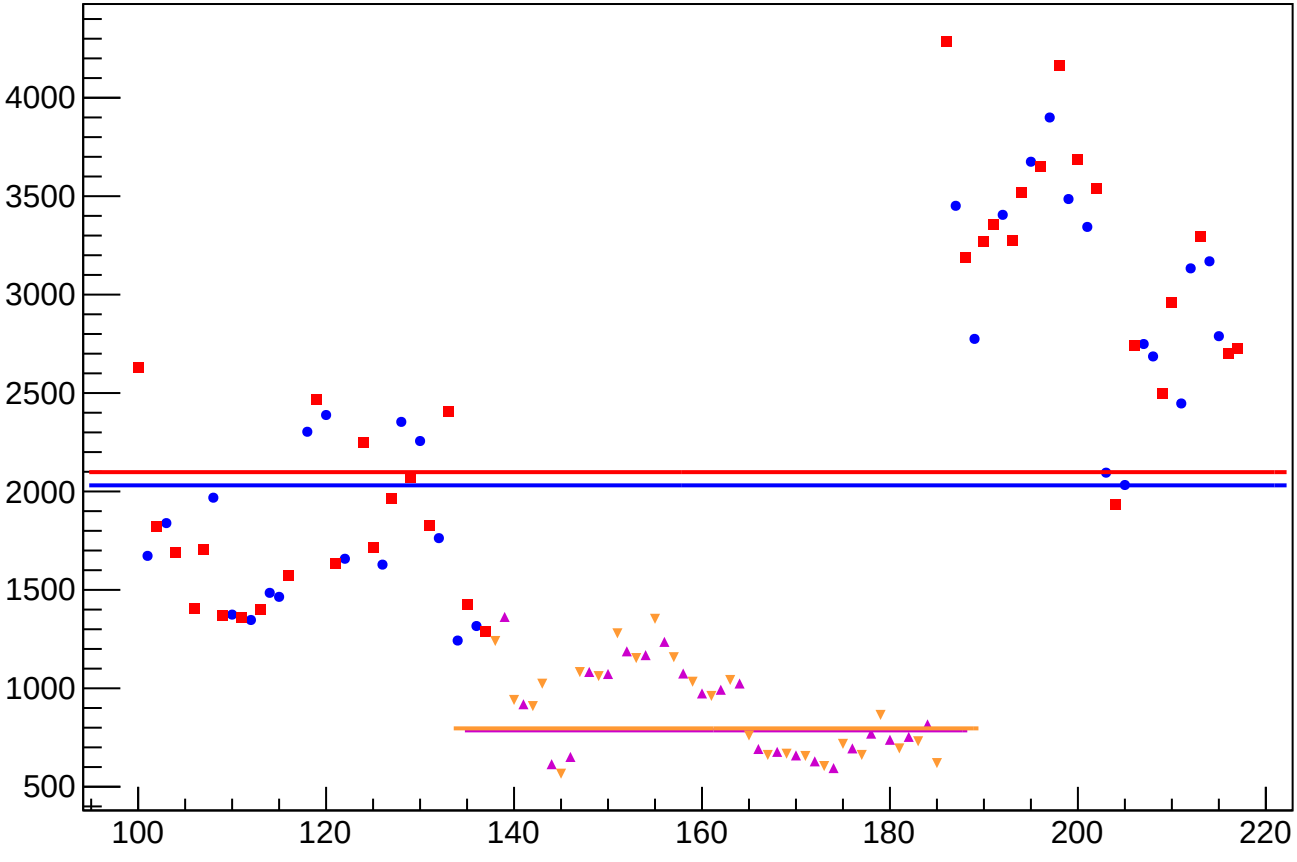
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -897.020+/-175.435 χ^2/NDF: 118.9/55

All: -631.639+/-124.784 χ^2/NDF: 201.0/114

- sign -359.893+/-177.526 χ^2/NDF: 77.5/58

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 2031.041+/-0.348 χ^2/NDF: 4137440.1/30

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2098.156+/-0.349 χ^2/NDF: 4786656.4/35

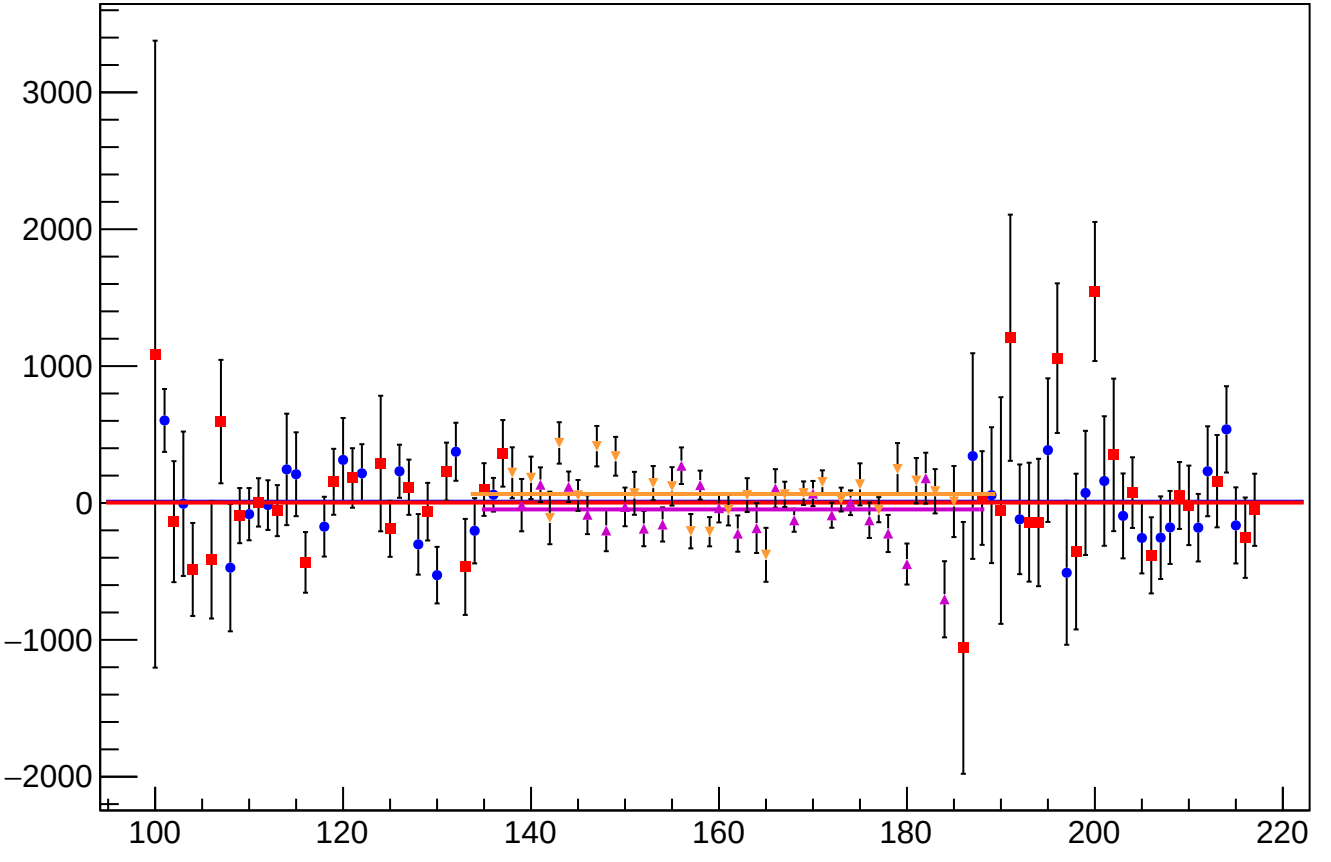
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 953.222+/-0.124 χ^2/NDF: 17530402.1/55

All: 954.678+/-0.088 χ^2/NDF: 36781940.6/11

- sign 956.169+/-0.126 χ^2/NDF: 19251259.7/58

dit_asym_sam3_mean vs Slug



Right In: 9.173+/-46.658 χ^2/NDF: 33.9/30

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 3.002+/-47.404 χ^2/NDF: 37.5/35

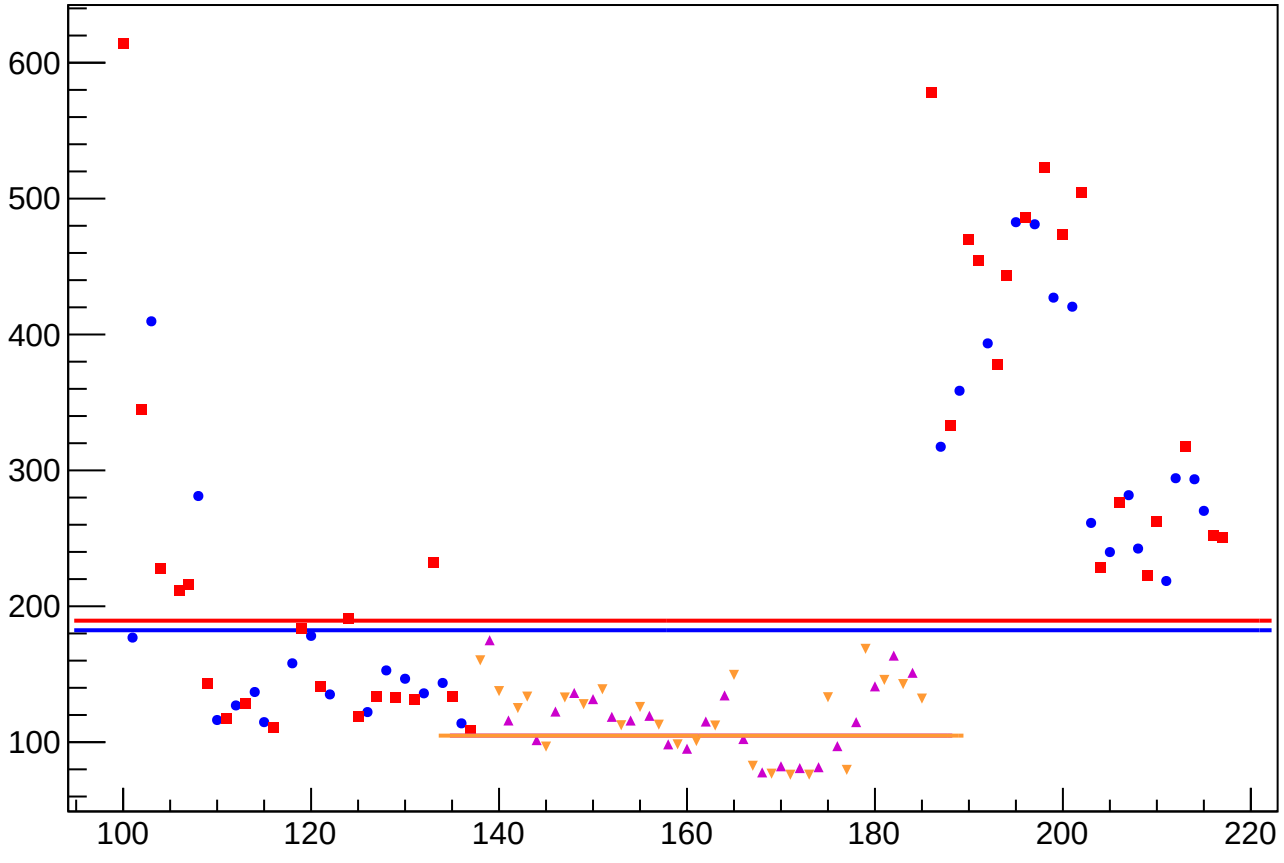
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 53.046+/-22.077 χ^2/NDF: 75.1/55

All: 9.707+/-15.789 χ^2/NDF: 160.0/114

- sign -35.674+/-22.591 χ^2/NDF: 77.0/58

dit_asym_sam3_rms vs Slug



Right In: 182.357+/-0.033 χ^2/NDF: 6721638.3/30

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 189.409+/-0.034 χ^2/NDF: 7976691.7/35

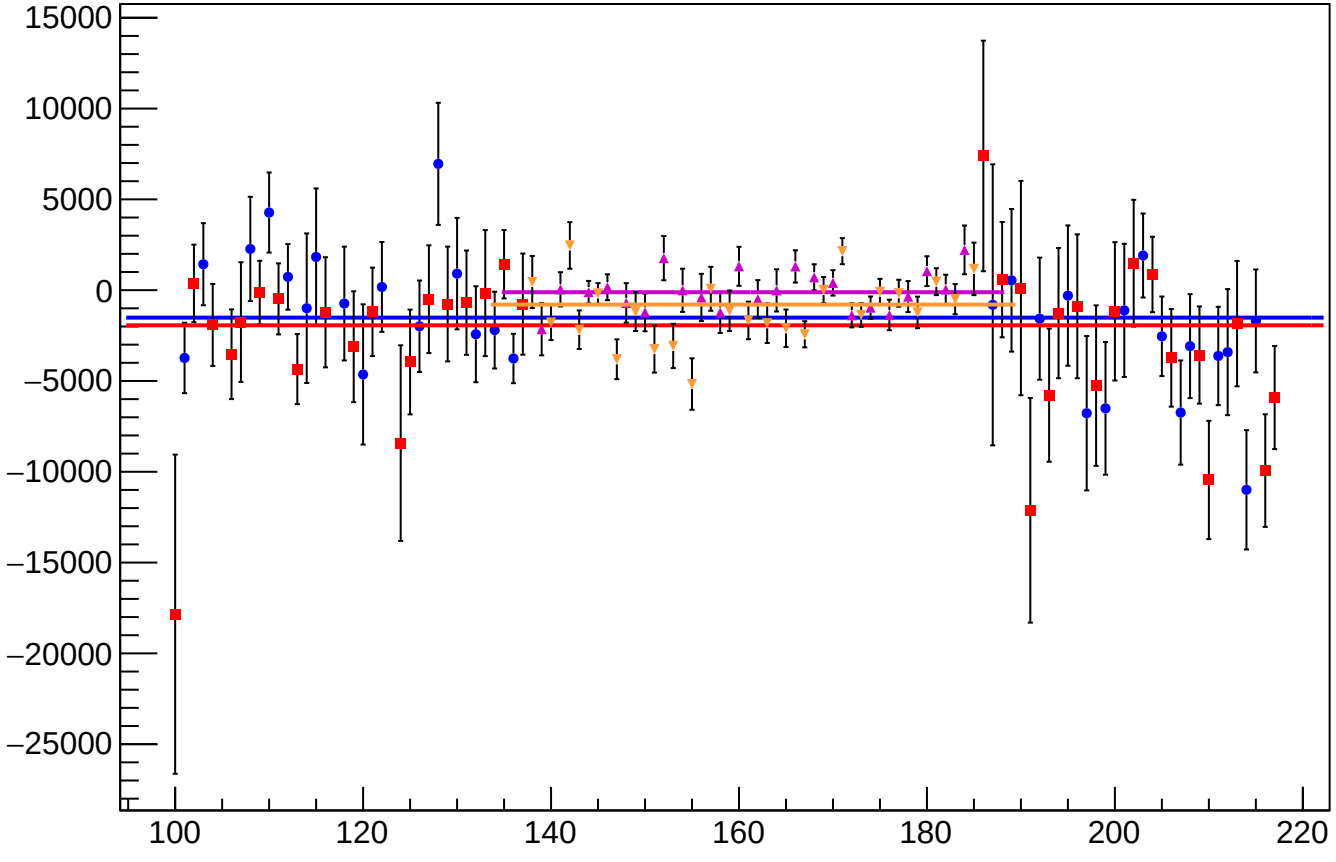
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 122.171+/-0.016 χ^2/NDF: 13252352.8/55

All: 123.085+/-0.011 χ^2/NDF: 27770948.2/11

- sign 124.042+/-0.016 χ^2/NDF: 14511581.1/58

asym_sam3_dit_correction_mean vs Slug



Right In: -1512.108+/-480.329 χ^2/NDF: 44.2/30

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1934.367+/-475.256 χ^2/NDF: 41.0/35

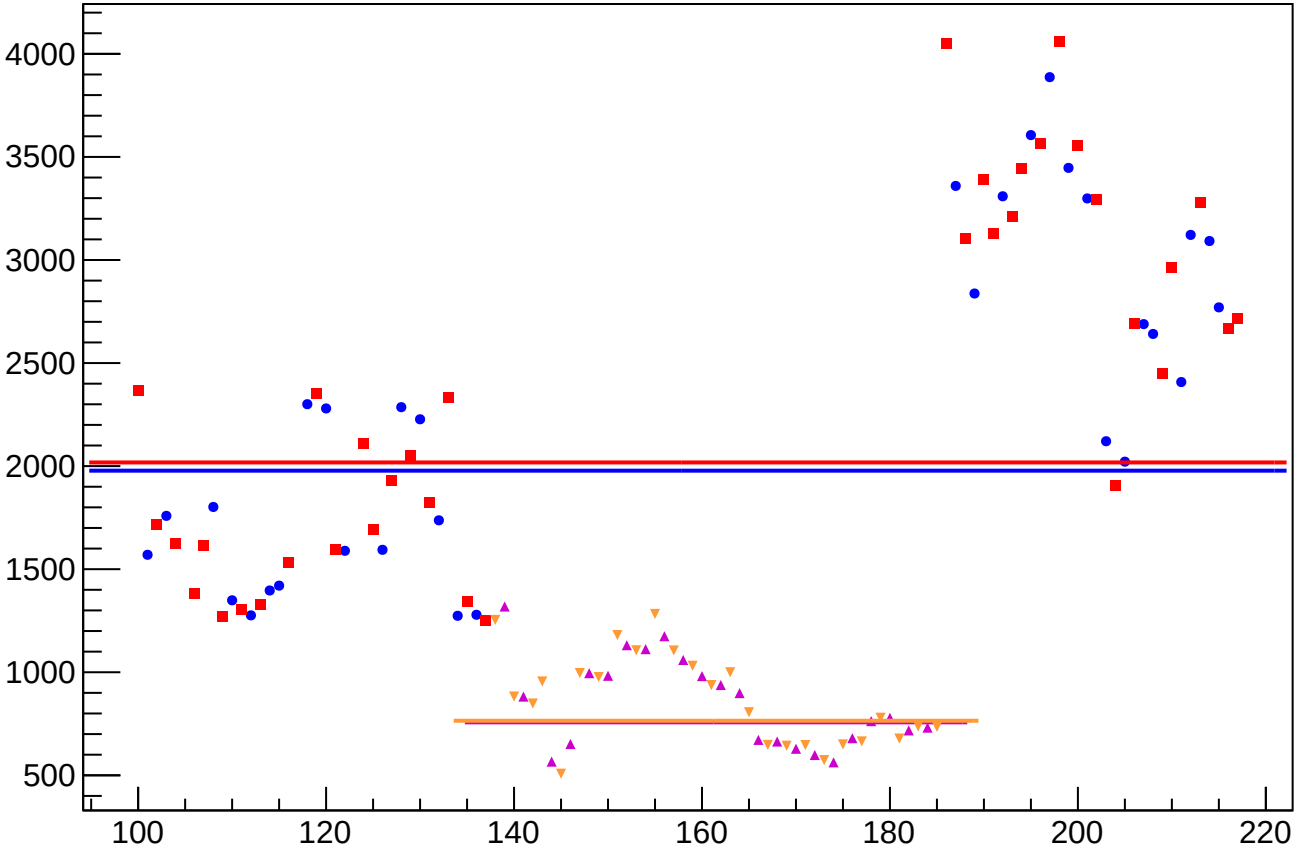
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -881.523+/-168.469 χ^2/NDF: 116.2/55

All: -619.071+/-119.968 χ^2/NDF: 201.2/114

- sign -349.054+/-170.879 χ^2/NDF: 80.1/58

asym_sam3_dit_correction_rms vs Slug



Right In: 1977.971+/-0.340 χ^2/NDF: 4296516.5/30

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2017.834+/-0.336 χ^2/NDF: 5048251.3/35

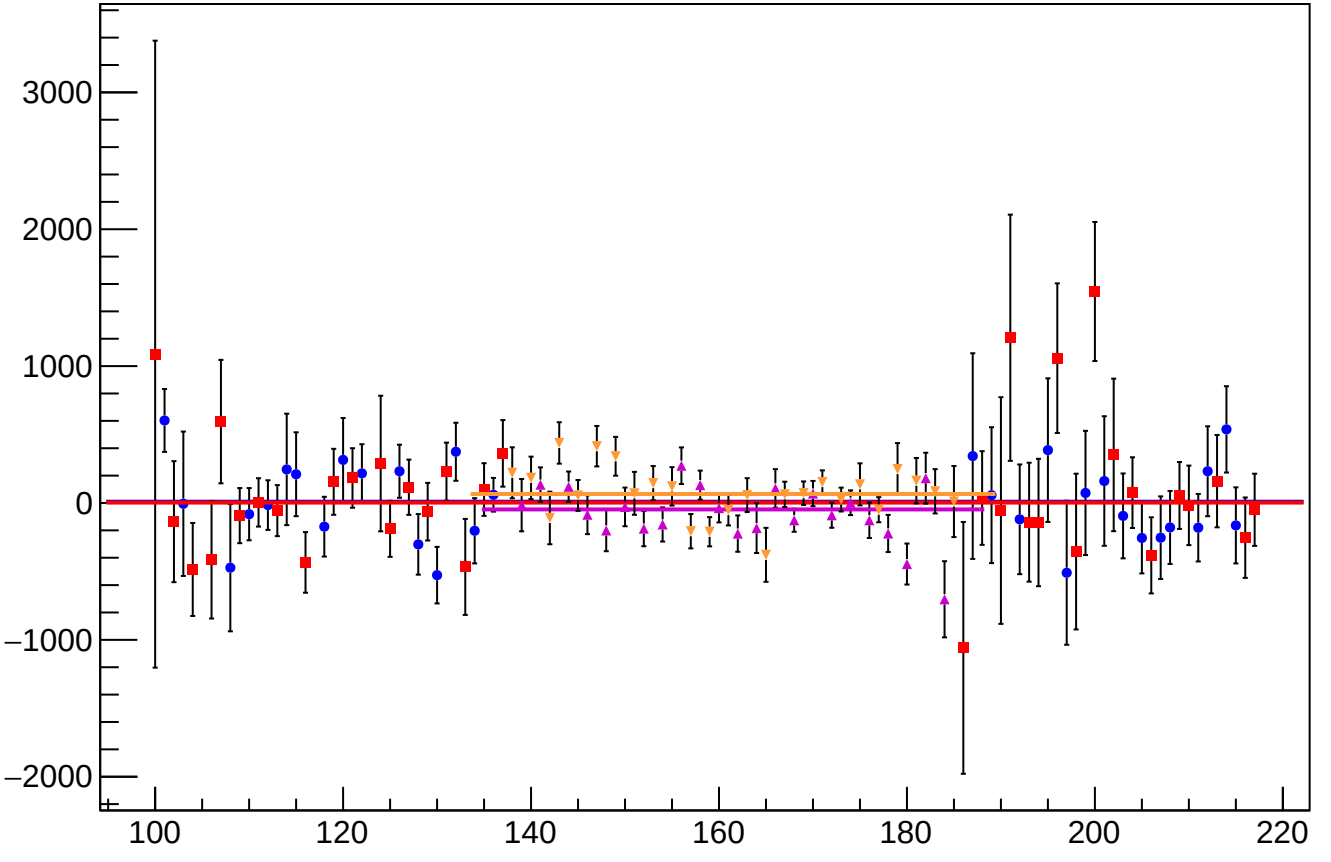
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 913.981+/-0.119 χ^2/NDF: 17912204.7/55

All: 916.915+/-0.085 χ^2/NDF: 37335024.9/11

- sign 919.934+/-0.121 χ^2/NDF: 19421589.4/58

eigen_dit_asym_sam3_mean vs Slug



Right In: 9.173+/-46.658 χ^2/NDF: 34.0/30

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 3.006+/-47.404 χ^2/NDF: 37.5/35

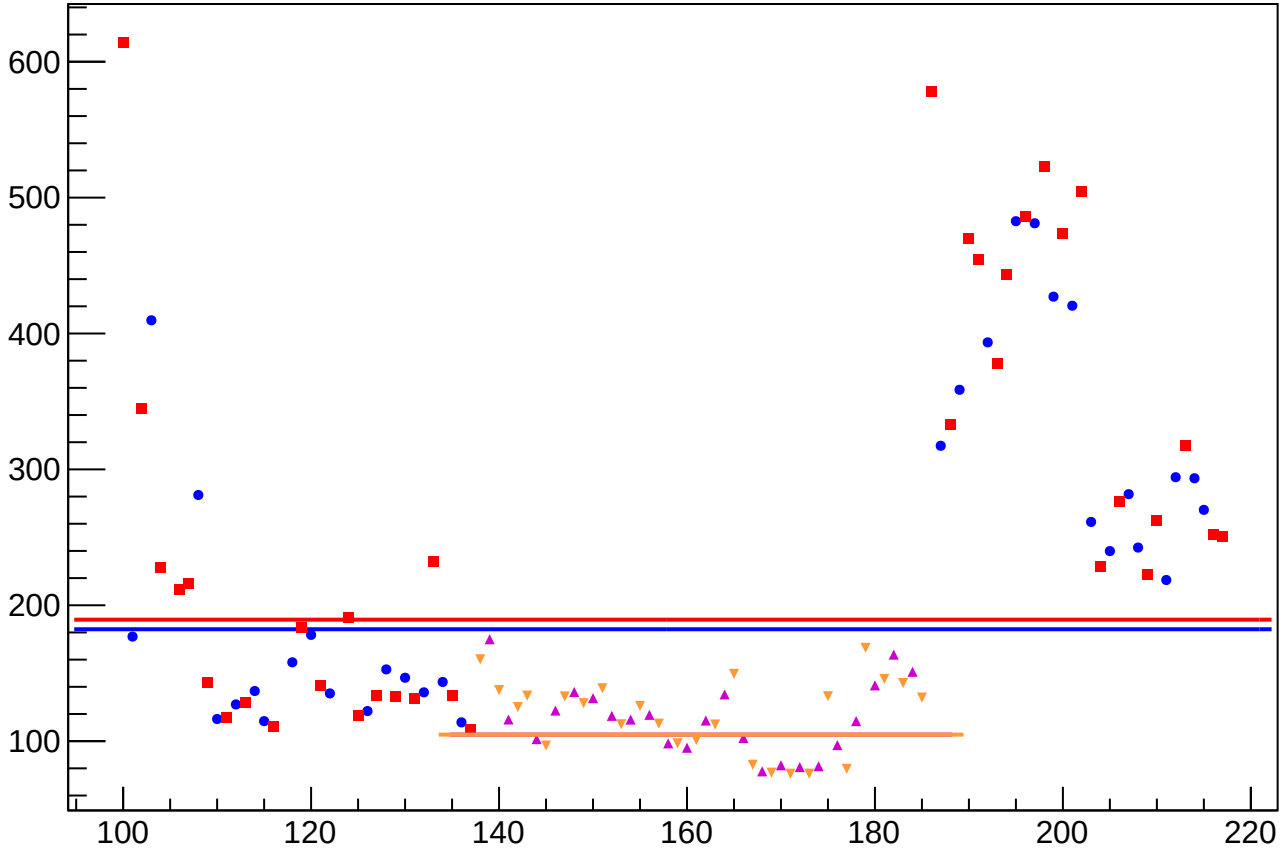
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

\+ sign 53.047+/-22.077 χ^2/NDF: 75.1/55

All: 9.708+/-15.789 χ^2/NDF: 160.0/114

\- sign -35.672+/-22.591 χ^2/NDF: 77.0/58

eigen_dit_asym_sam3_rms vs Slug



Right In: 182.358+/-0.033 χ^2/NDF: 6721626.3/30

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 189.409+/-0.034 χ^2/NDF: 7976666.6/35

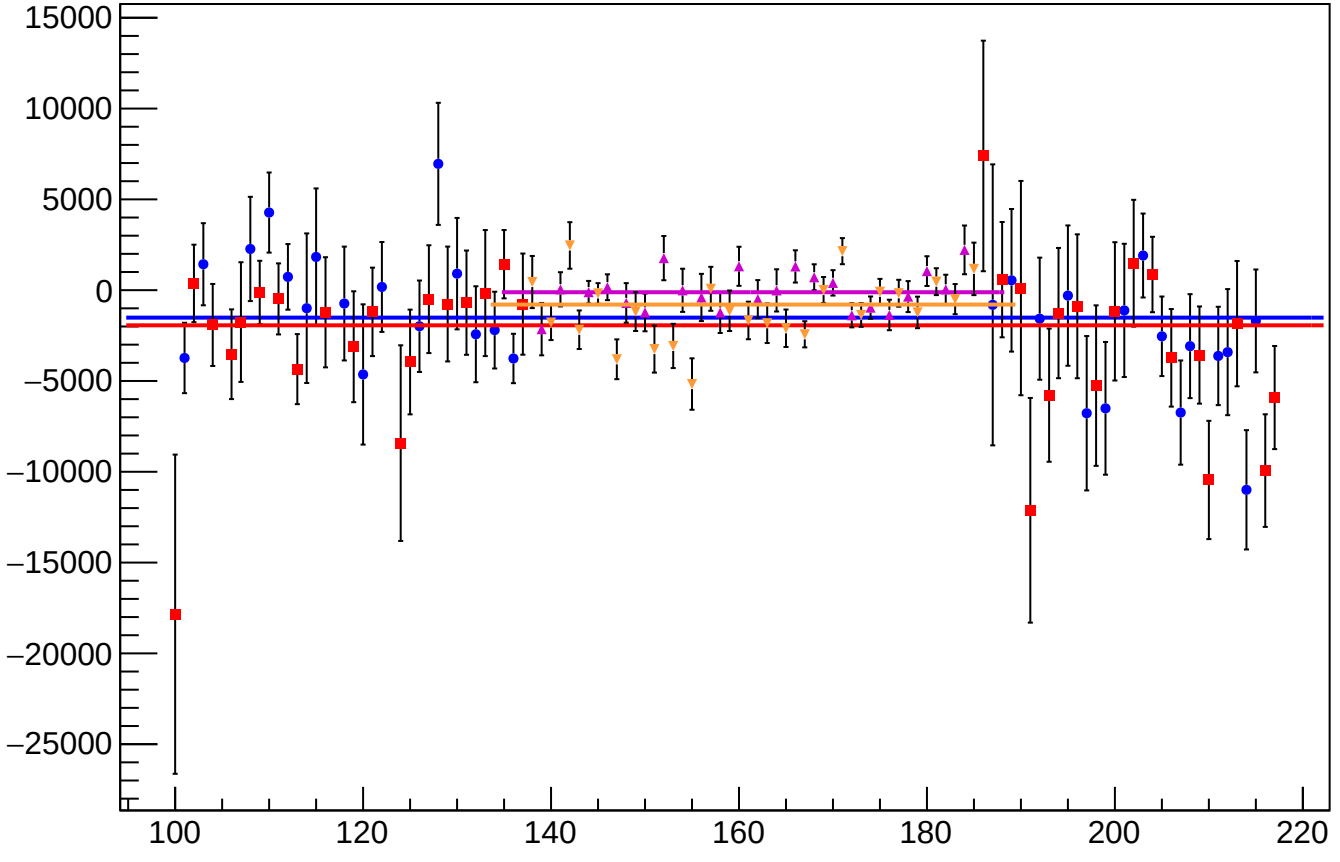
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 122.172+/-0.016 χ^2/NDF: 13252343.3/55

All: 123.086+/-0.011 χ^2/NDF: 27770924.1/11

- sign 124.042+/-0.016 χ^2/NDF: 14511566.6/58

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1512.106+/-480.329 χ^2/NDF: 44.2/30

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1934.364+/-475.255 χ^2/NDF: 41.0/35

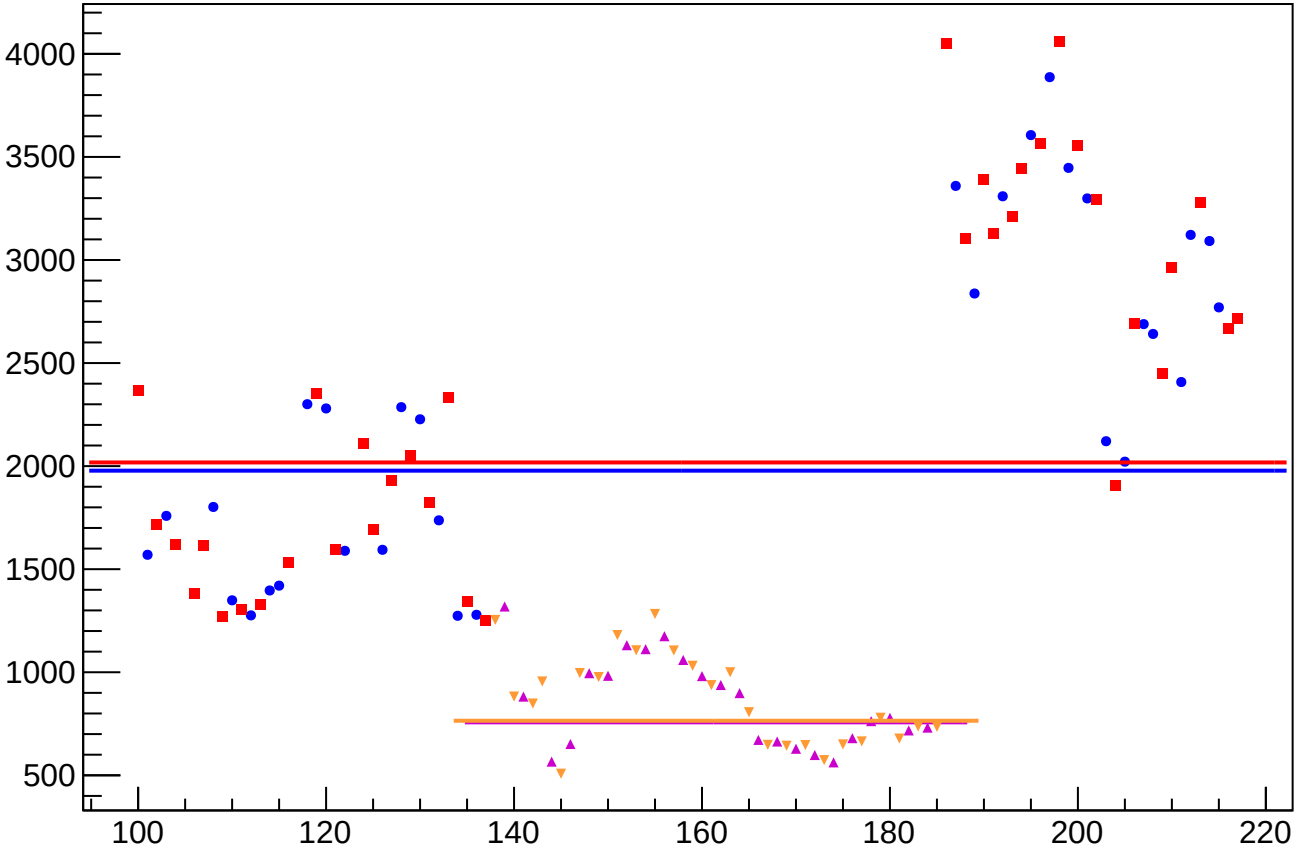
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -881.524+/-168.468 χ^2/NDF: 116.2/55

All: -619.071+/-119.968 χ^2/NDF: 201.2/114

- sign -349.054+/-170.879 χ^2/NDF: 80.1/58

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1977.969+/-0.340 χ^2/NDF: 4296515.2/30

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2017.832+/-0.336 χ^2/NDF: 5048253.6/35

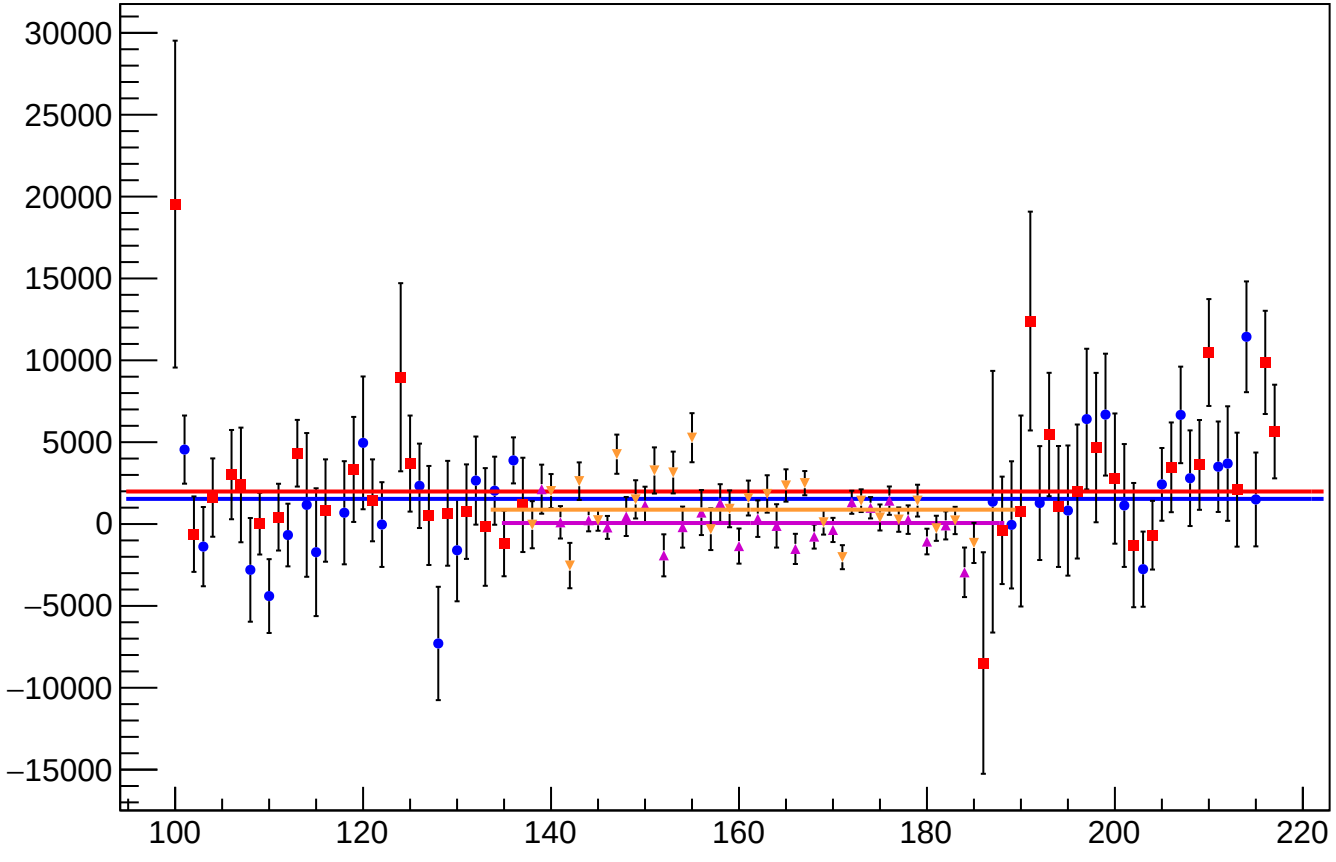
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 913.980+/-0.119 χ^2/NDF: 17912195.4/55

All: 916.914+/-0.085 χ^2/NDF: 37335006.0/11

- sign 919.933+/-0.121 χ^2/NDF: 19421579.8/58

asym_sam3_mean vs Slug



Right In: 1536.331+/-494.869 χ^2/NDF: 45.9/30

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1987.606+/-495.400 χ^2/NDF: 37.6/35

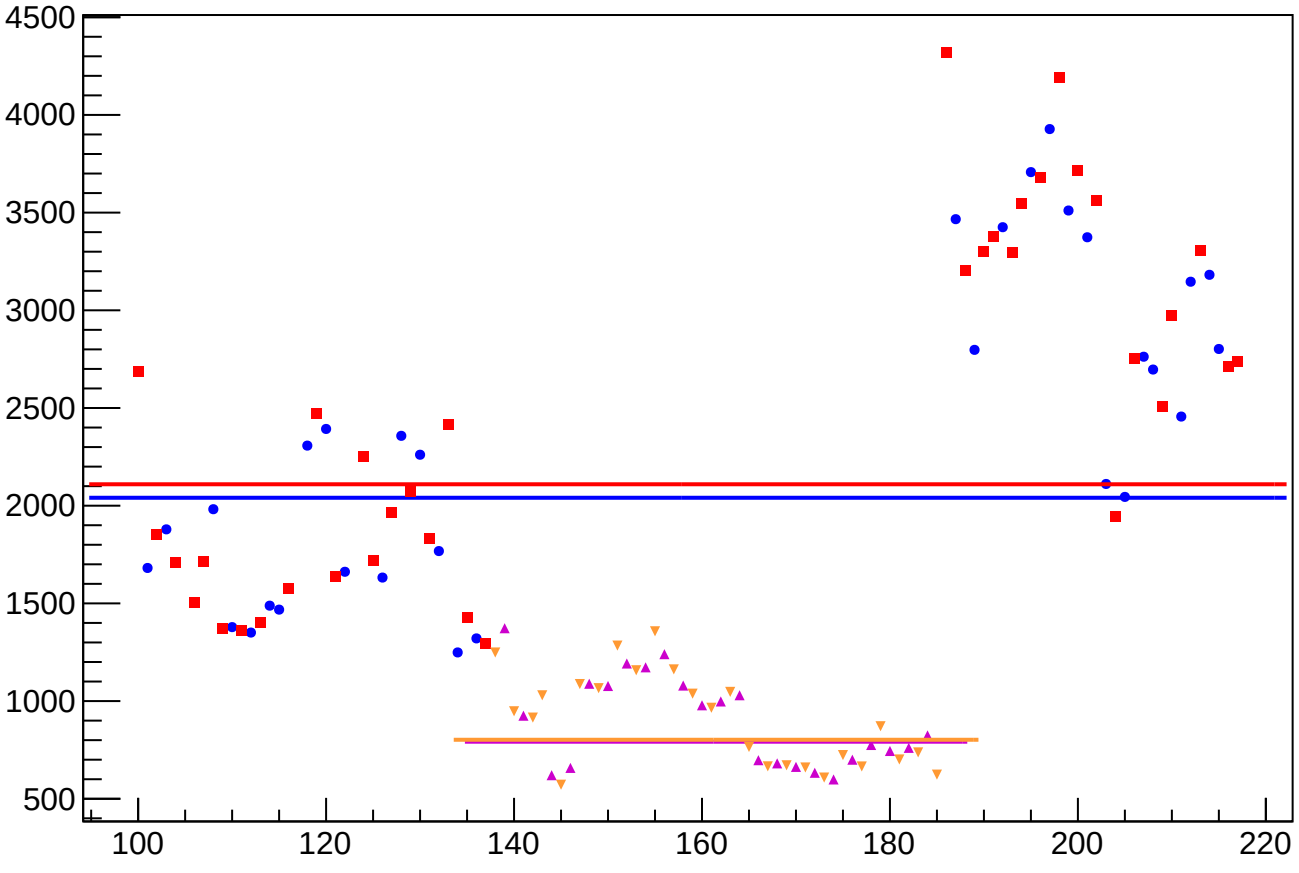
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 960.476+/-176.560 χ^2/NDF: 114.7/55

All: 640.735+/-125.596 χ^2/NDF: 199.2/114

- sign 313.205+/-178.697 χ^2/NDF: 77.9/58

asym_sam3_rms vs Slug



Right In: 2040.607+/-0.350 χ^2/NDF: 4155364.5/30

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2109.656+/-0.350 χ^2/NDF: 4783420.3/35

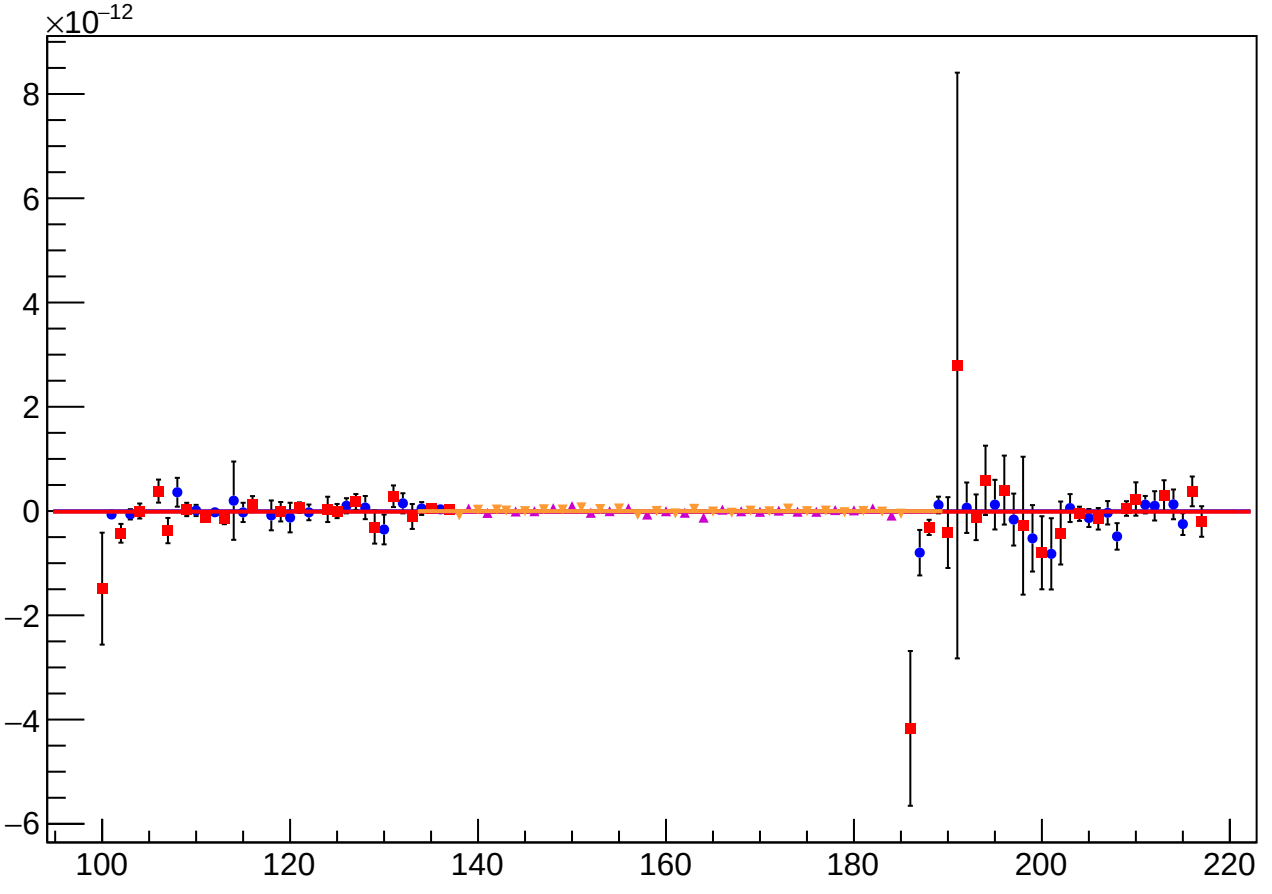
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 959.678+/-0.125 χ^2/NDF: 17485261.9/55

All: 961.565+/-0.089 χ^2/NDF: 36711518.8/11

- sign 963.498+/-0.126 χ^2/NDF: 19225794.3/58

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

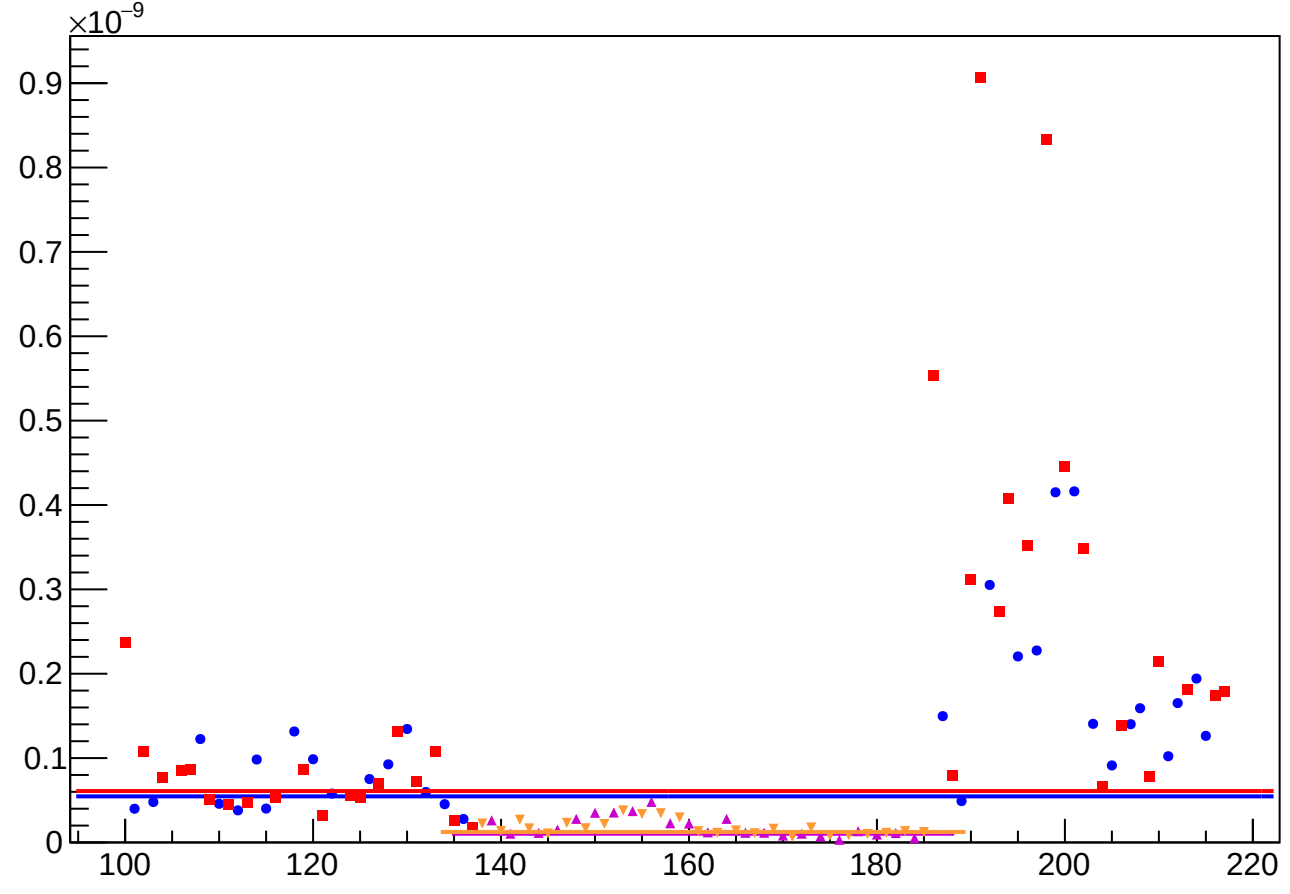
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/35

Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.6/55

All: -0.000+/-0.000 χ^2/NDF: 119.6/114

- sign -0.000+/-0.000 χ^2/NDF: 75.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 5987016.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7280439.5/35

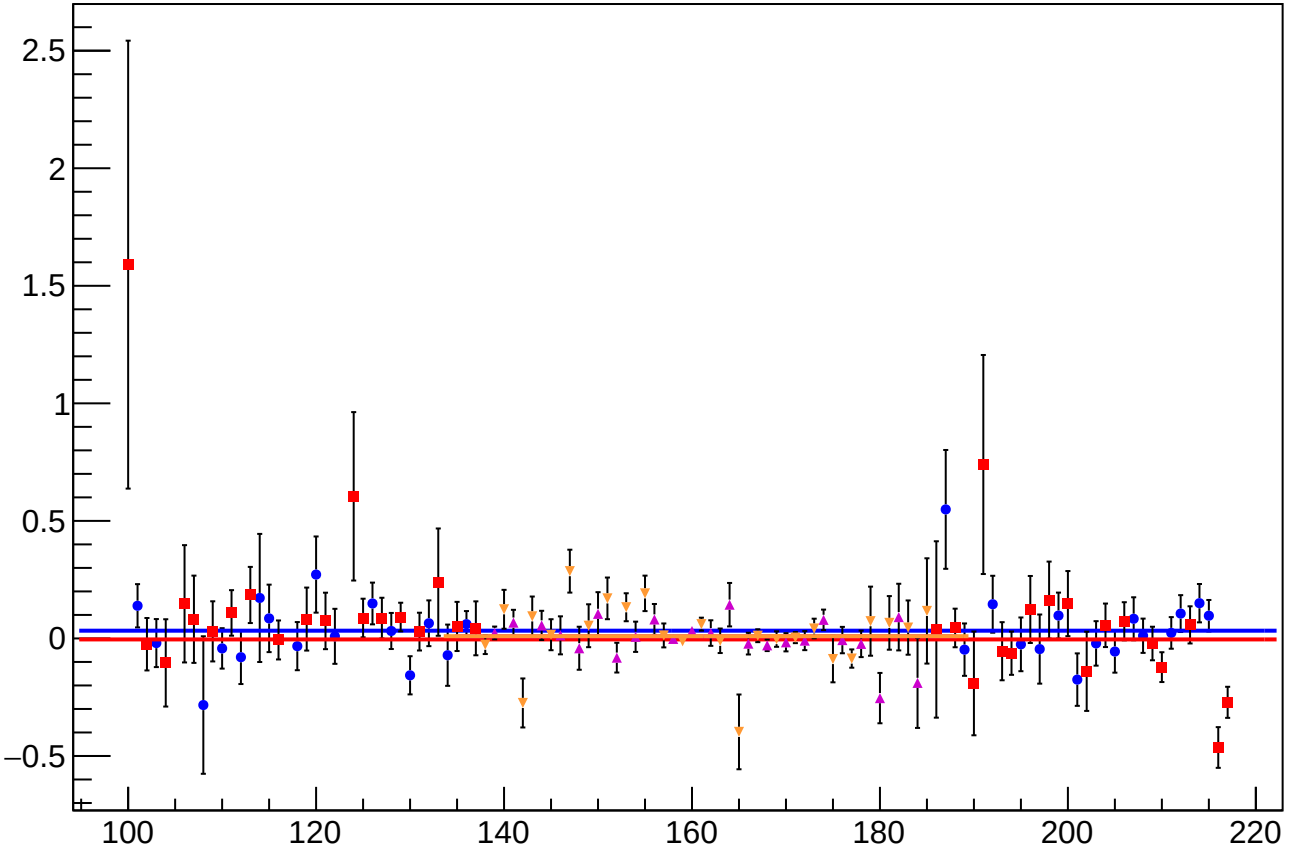
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13542602.7/55

All: 0.000+/-0.000 χ^2/NDF: 31311671.2/114

- sign 0.000+/-0.000 χ^2/NDF: 17543908.5/58

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.9/35

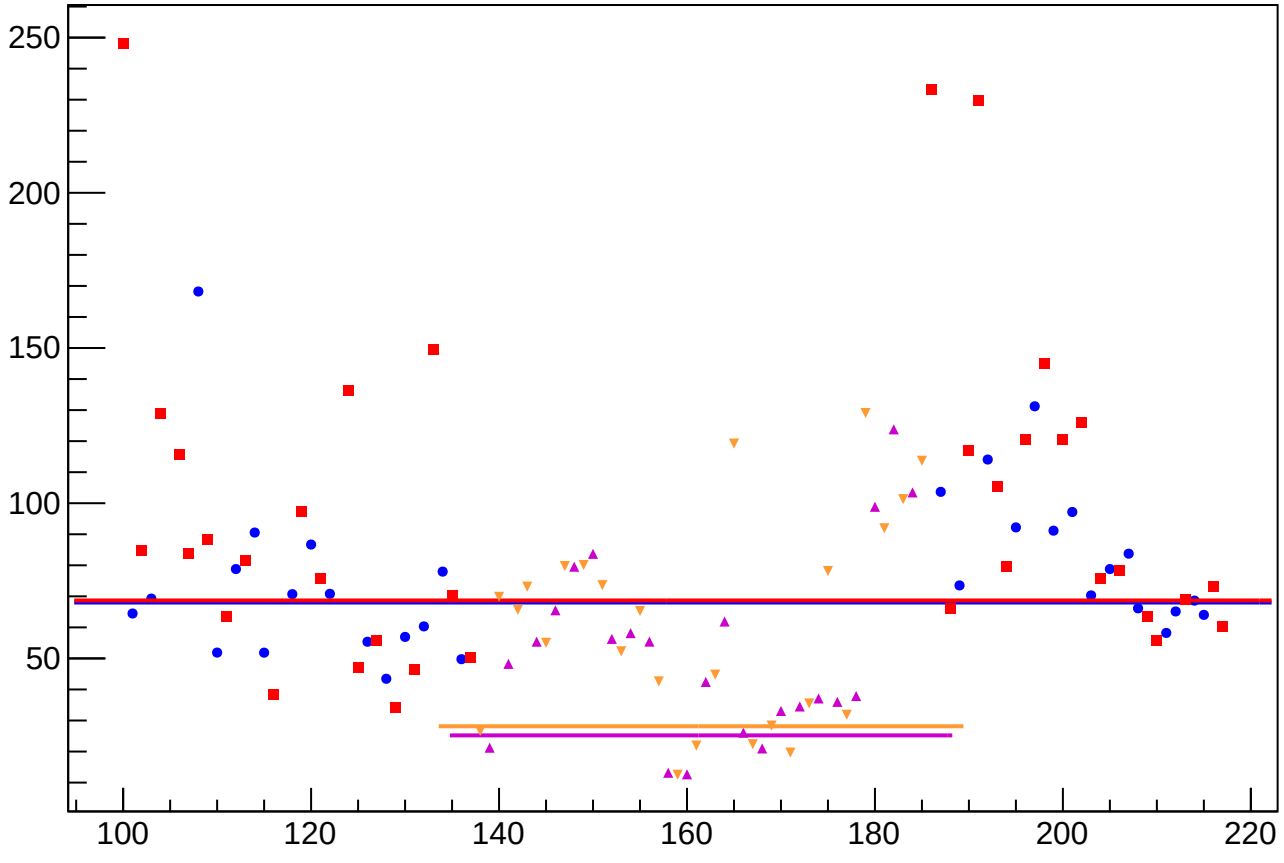
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.4/55

All: 0.010+/-0.005 χ^2/NDF: 189.4/114

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.014+/-0.012 χ^2/NDF: 2102449.7/30

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

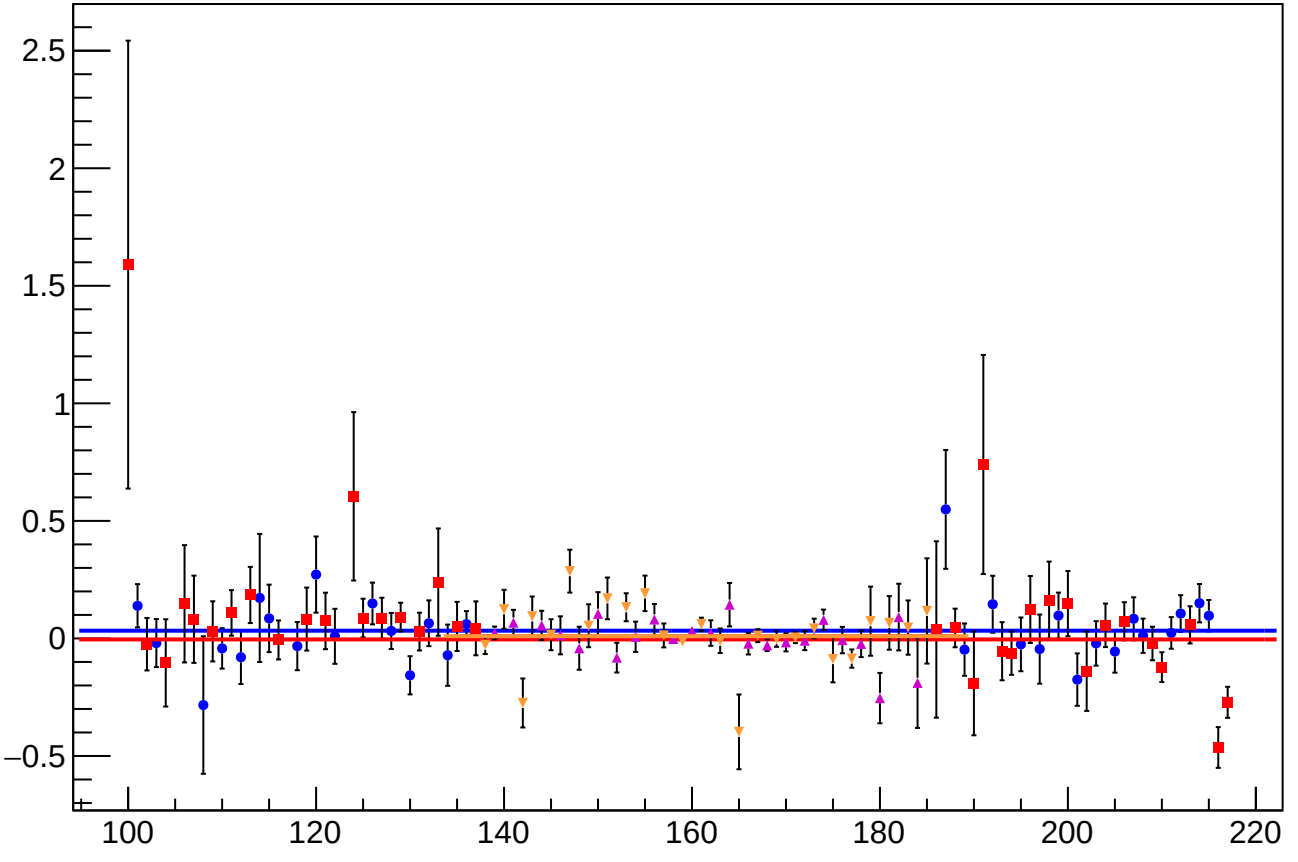
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 35.978+/-0.005 χ^2/NDF: 21896836.0/55

All: 34.276+/-0.004 χ^2/NDF: 46987390.4/114

- sign 32.739+/-0.005 χ^2/NDF: 24898730.8/58

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.9/35

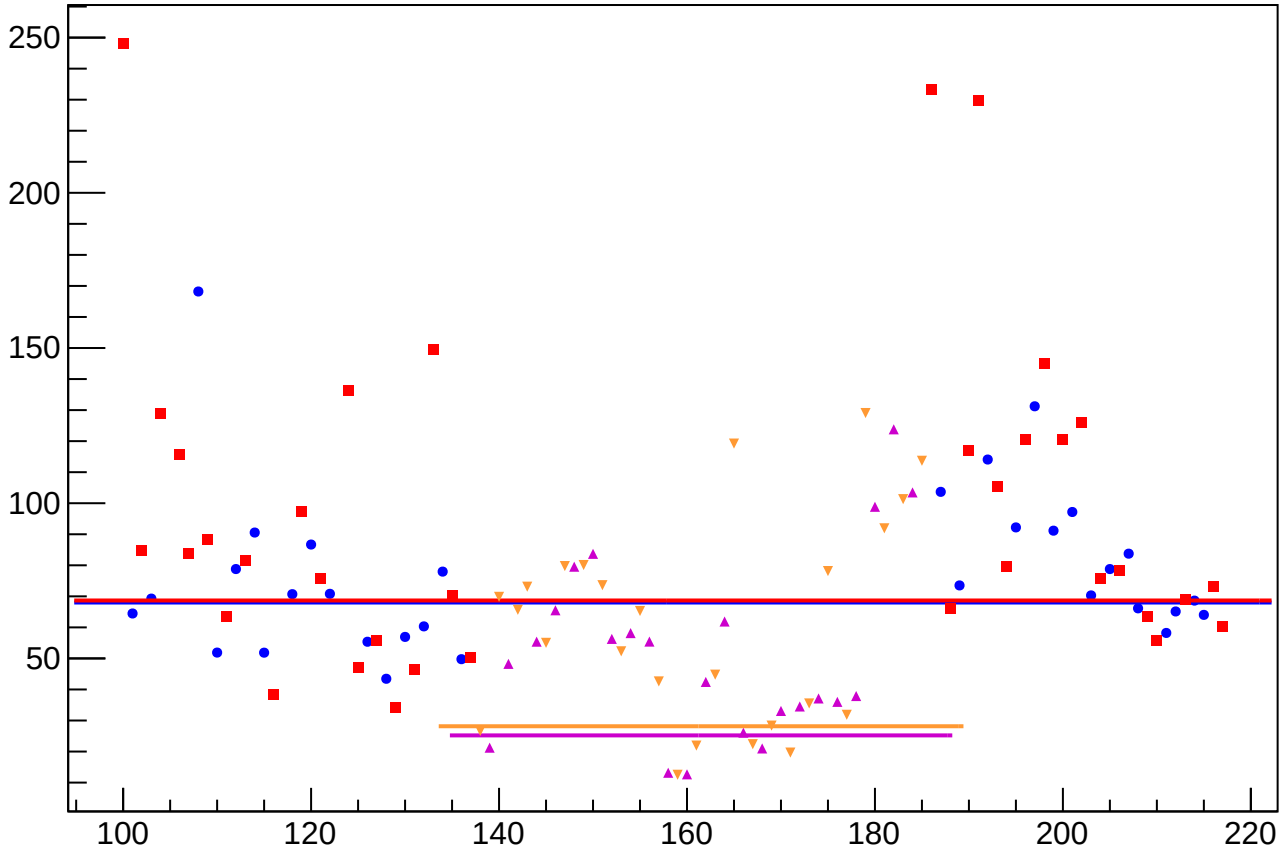
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.4/55

All: 0.010+/-0.005 χ^2/NDF: 189.4/114

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.014+/-0.012 χ^2/NDF: 2102449.7/30

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 68.667+/-0.012 χ^2/NDF: 4505689.5/35

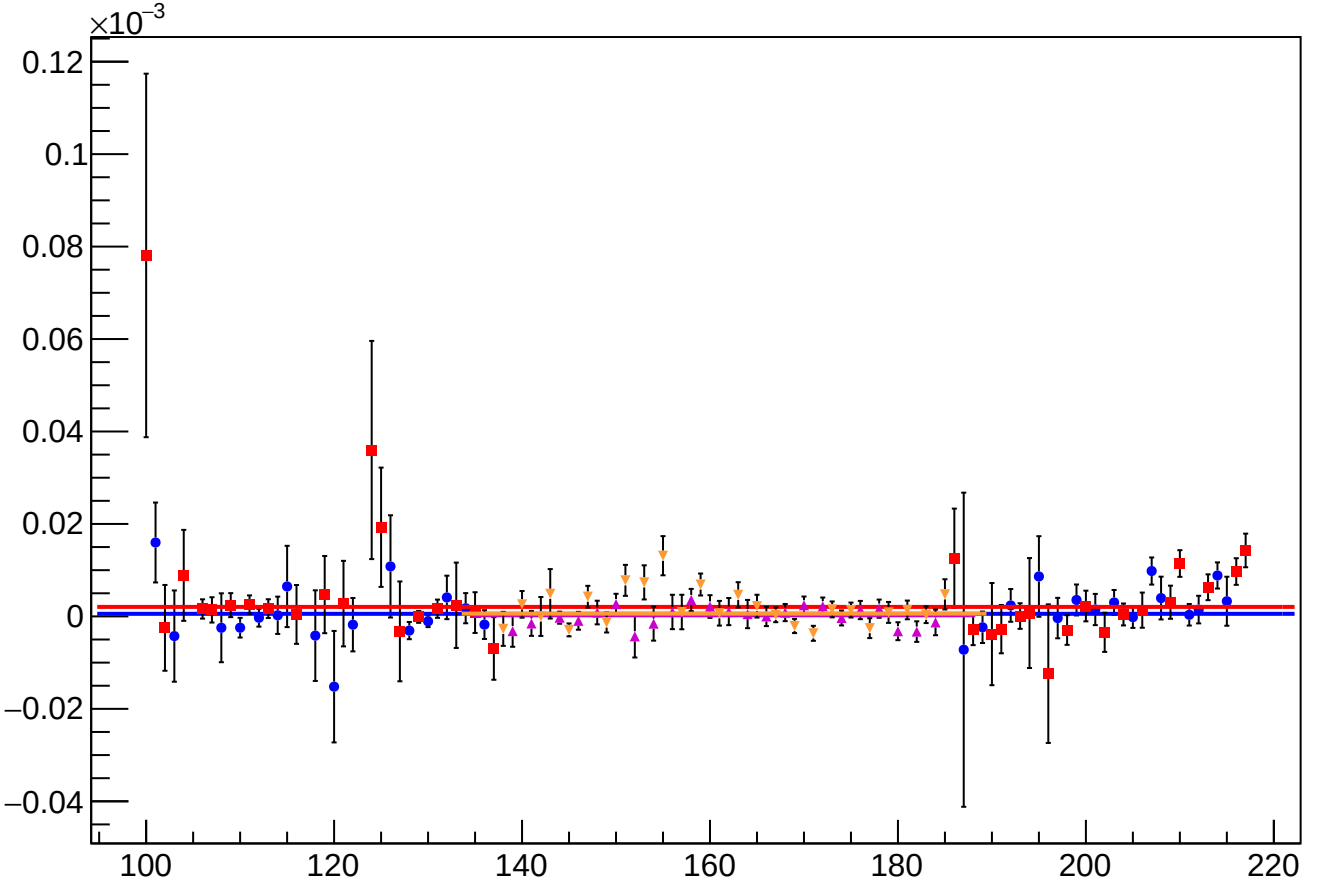
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 35.978+/-0.005 χ^2/NDF: 21896836.0/55

All: 34.276+/-0.004 χ^2/NDF: 46987390.4/114

- sign 32.739+/-0.005 χ^2/NDF: 24898730.8/58

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 55.4/35

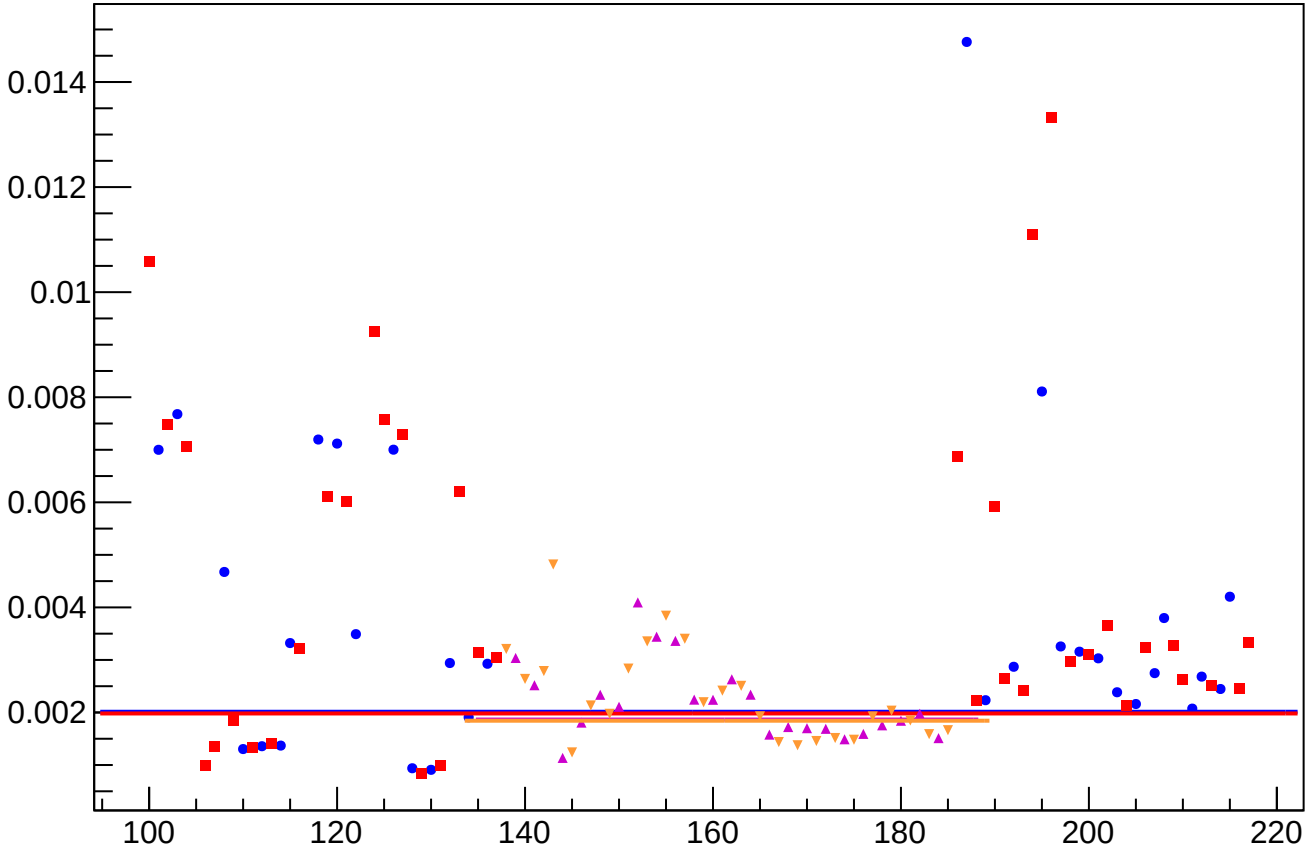
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.5/55

All: 0.000+/-0.000 χ^2/NDF: 170.5/114

- sign 0.000+/-0.000 χ^2/NDF: 78.3/58

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8985558.4/30

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11795662.0/35

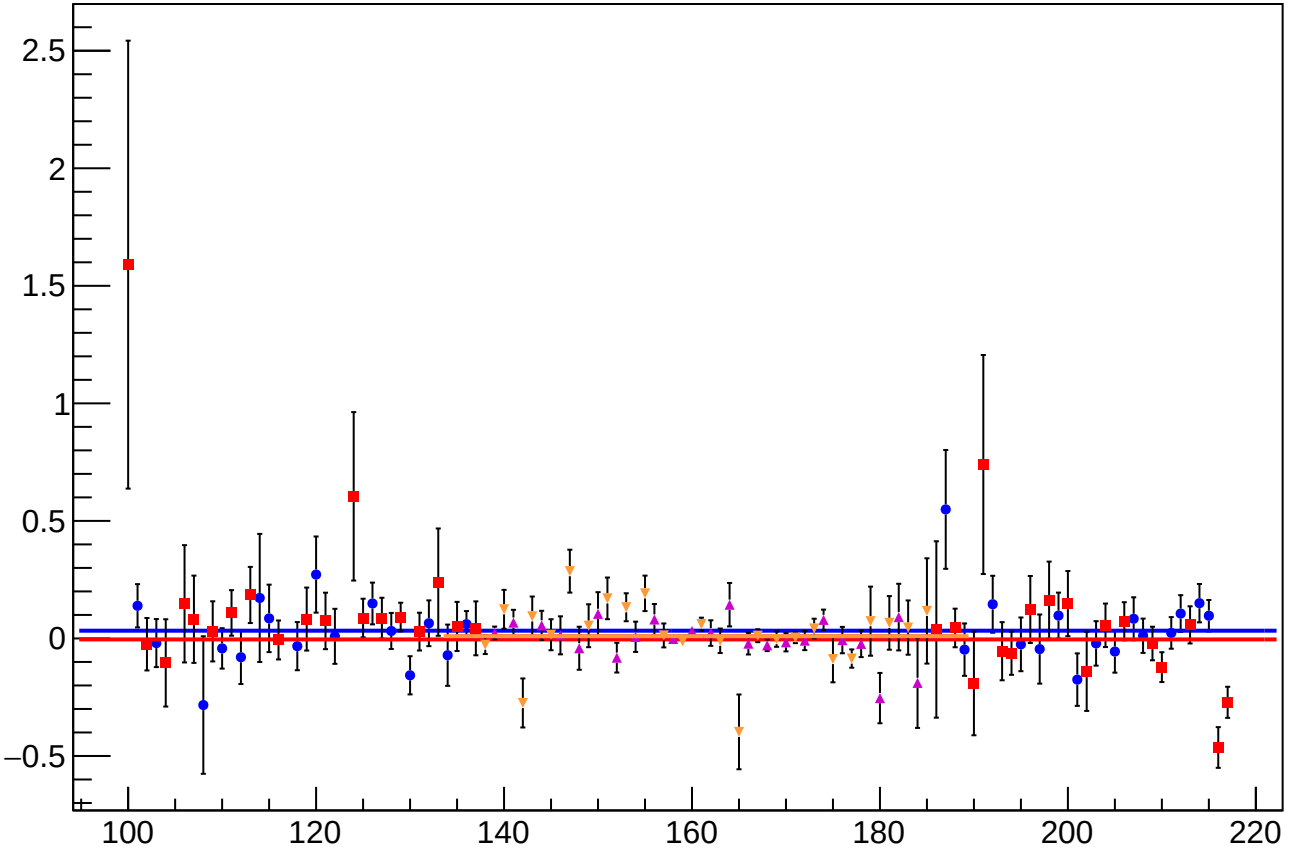
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 12882279.2/55

All: 0.002+/-0.000 χ^2/NDF: 27525167.8/114

- sign 0.002+/-0.000 χ^2/NDF: 14642761.3/58

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.8/35

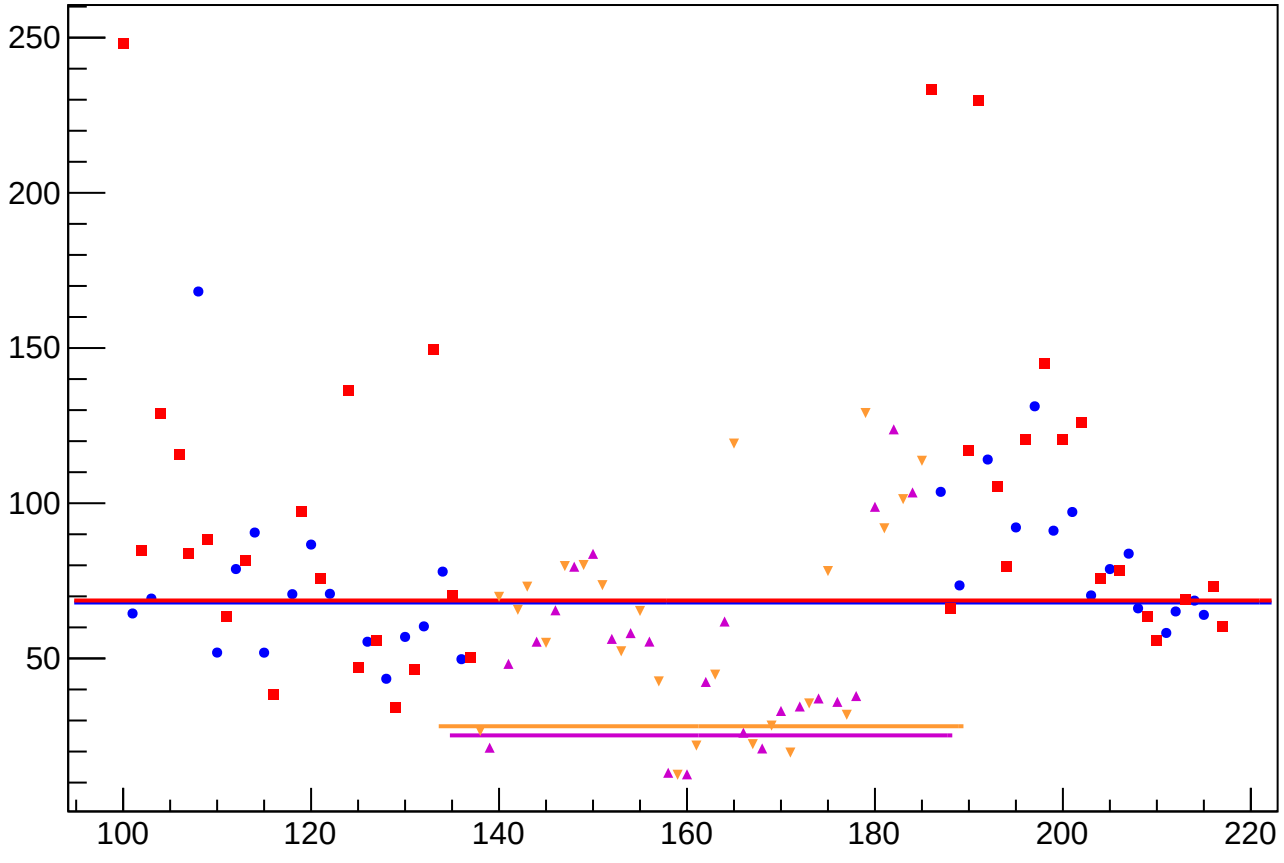
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.4/55

All: 0.010+/-0.005 χ^2/NDF: 189.4/114

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.015+/-0.012 χ^2/NDF: 2102433.6/30

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

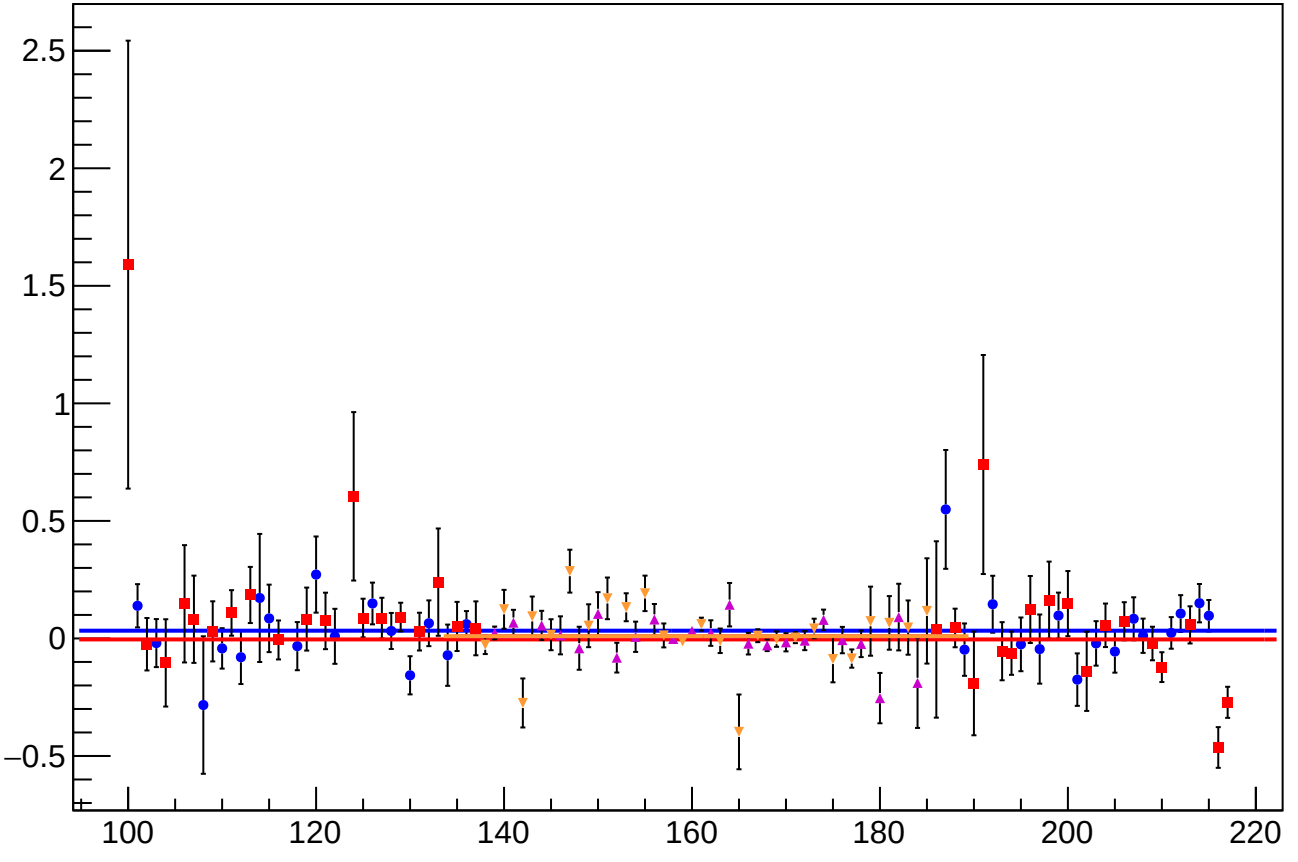
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 35.977+/-0.005 χ^2/NDF: 21898613.1/55

All: 34.275+/-0.004 χ^2/NDF: 46990007.0/114

- sign 32.739+/-0.005 χ^2/NDF: 24899667.8/58

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.033+/-0.017 χ^2/NDF: 31.2/30

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.004+/-0.017 χ^2/NDF: 75.8/35

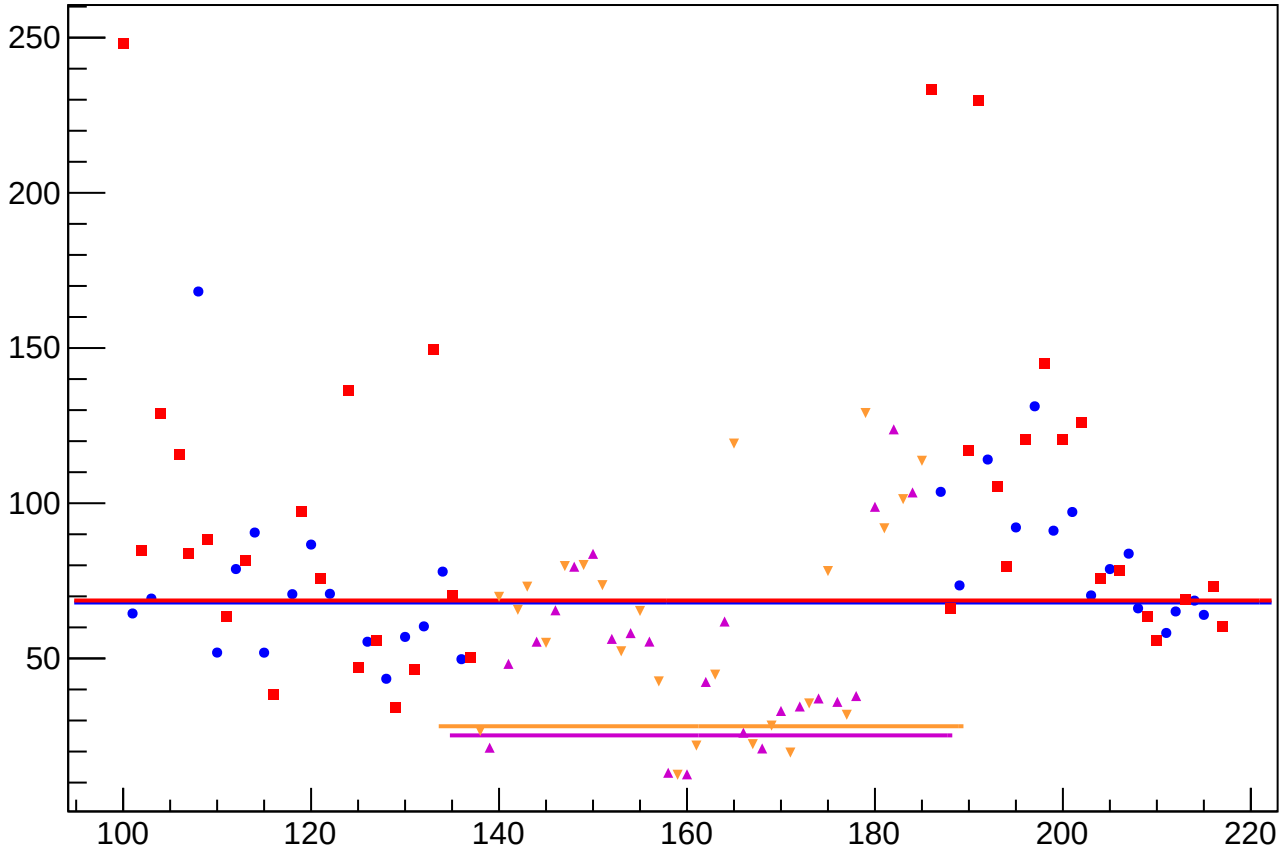
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.4/55

All: 0.010+/-0.005 χ^2/NDF: 189.4/114

- sign 0.007+/-0.007 χ^2/NDF: 101.6/58

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.015+/-0.012 χ^2/NDF: 2102433.6/30

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

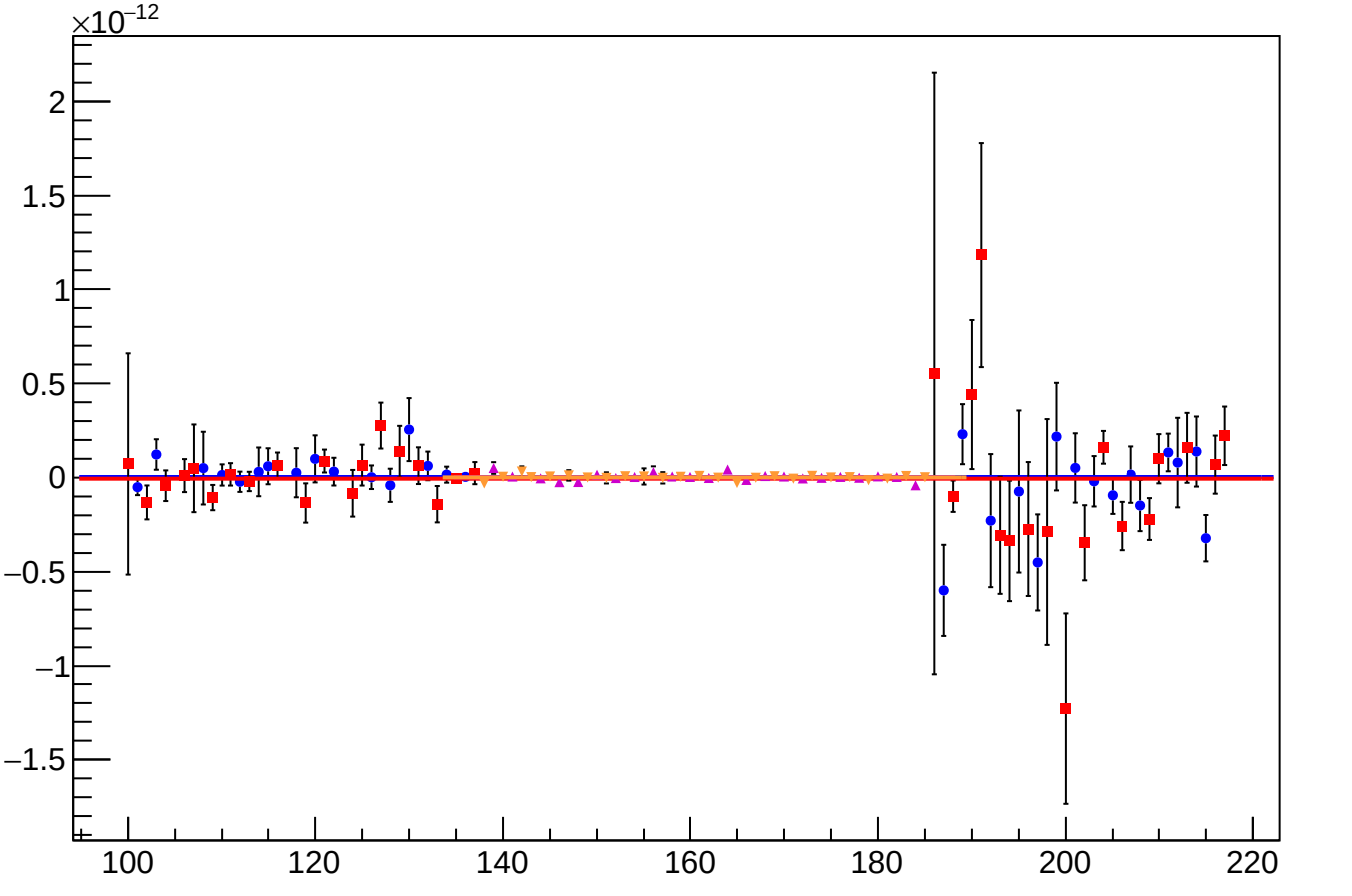
Right Out: 68.668+/-0.012 χ^2/NDF: 4505746.7/35

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 35.977+/-0.005 χ^2/NDF: 21898613.1/55

All: 34.275+/-0.004 χ^2/NDF: 46990007.0/114

\- sign 32.739+/-0.005 χ^2/NDF: 24899667.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

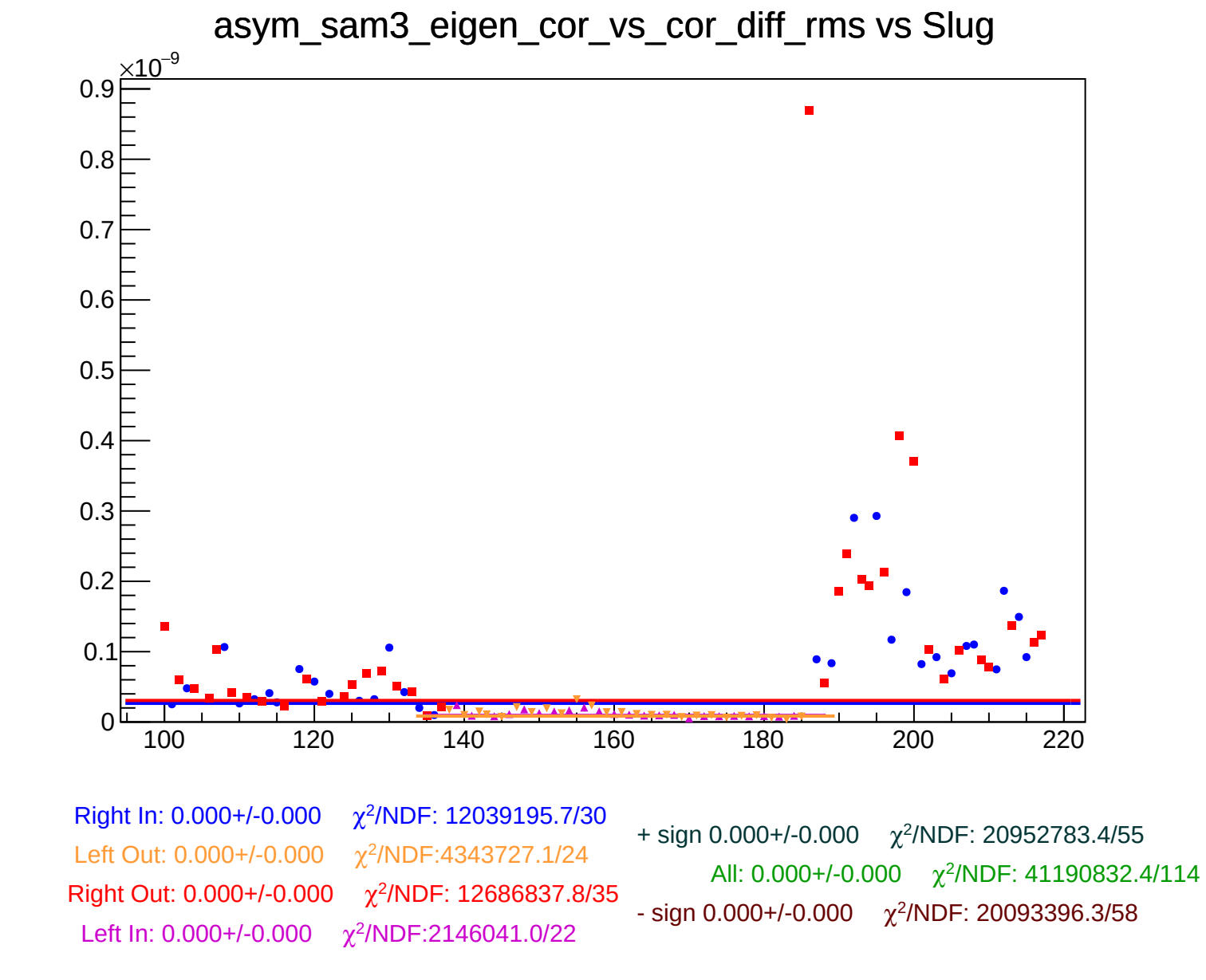
Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/35

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

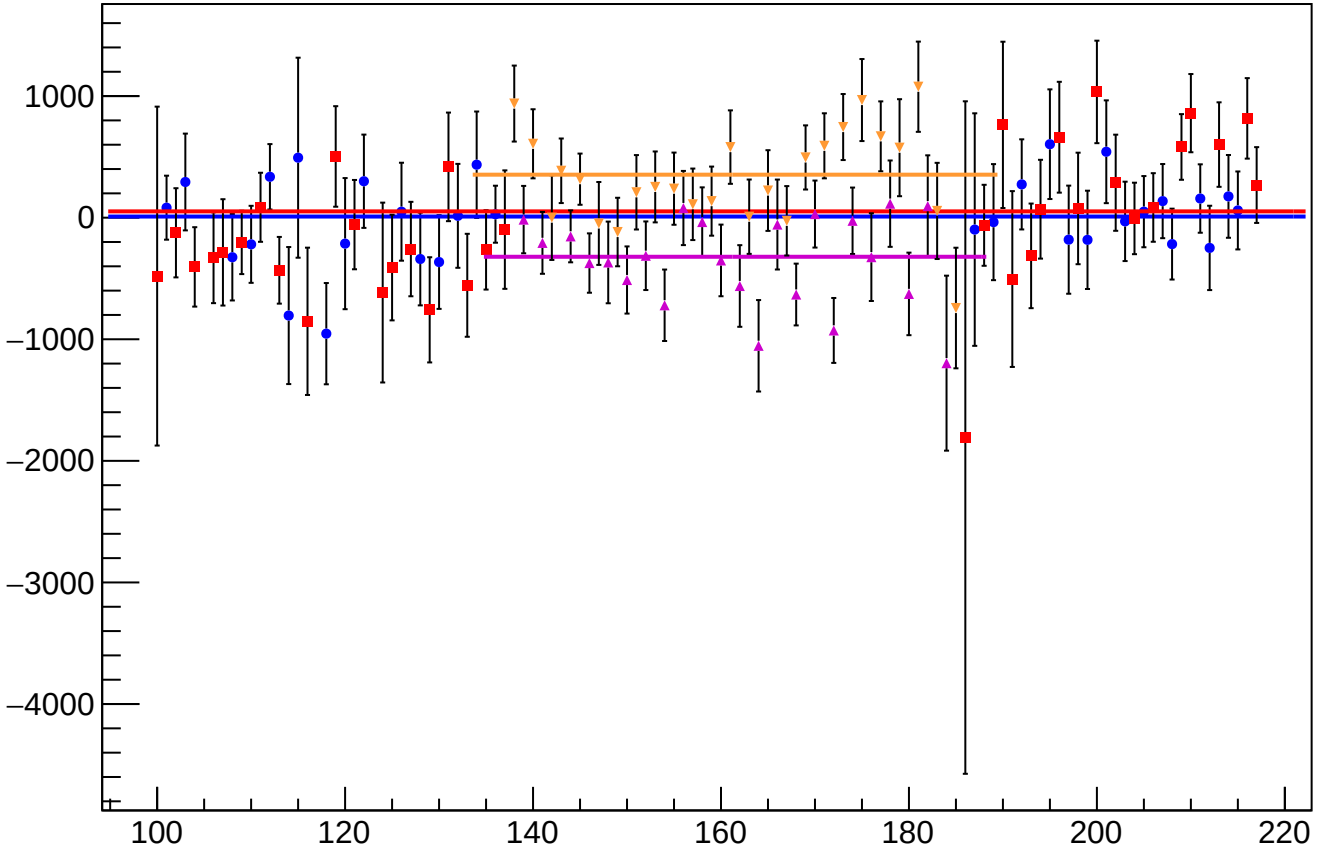
+ sign 0.000+/-0.000 χ^2/NDF: 43.8/55

All: 0.000+/-0.000 χ^2/NDF: 117.8/114

- sign 0.000+/-0.000 χ^2/NDF: 74.0/58


asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 12039195.7/30
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 12686837.8/35
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
+ sign 0.000+/-0.000 χ²/NDF: 20952783.4/55
All: 0.000+/-0.000 χ²/NDF: 41190832.4/114
- sign 0.000+/-0.000 χ²/NDF: 20093396.3/58

reg_asym_sam4_mean vs Slug



Right In: 9.282+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 51.788+/-63.133 χ^2/NDF: 50.5/35

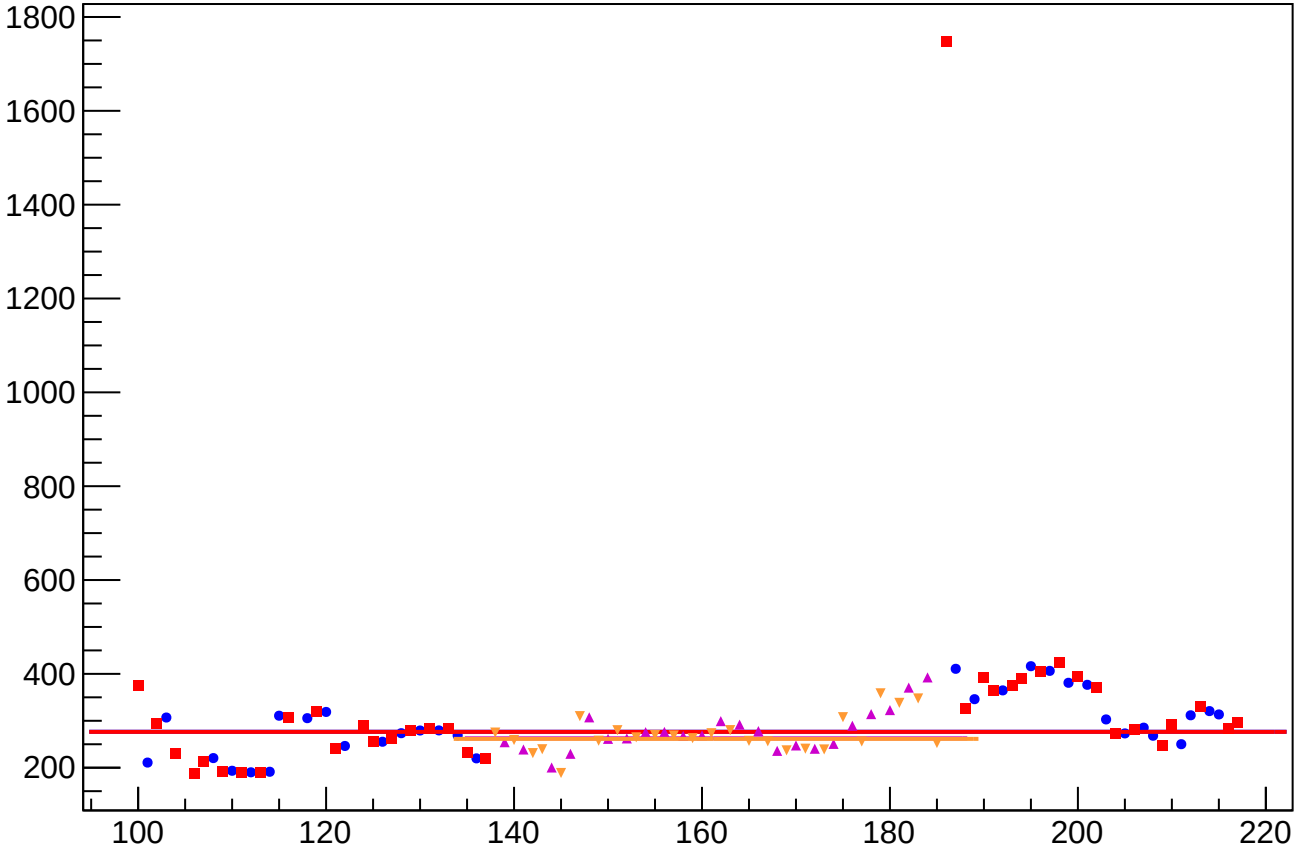
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 193.898+/-44.043 χ^2/NDF: 68.5/55

All: 28.879+/-31.225 χ^2/NDF: 191.2/114

- sign -137.901+/-44.277 χ^2/NDF: 94.5/58

reg_asym_sam4_rms vs Slug



Right In: 276.645+/-0.046 χ^2/NDF: 1655091.6/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.386+/-0.045 χ^2/NDF: 2610168.2/35

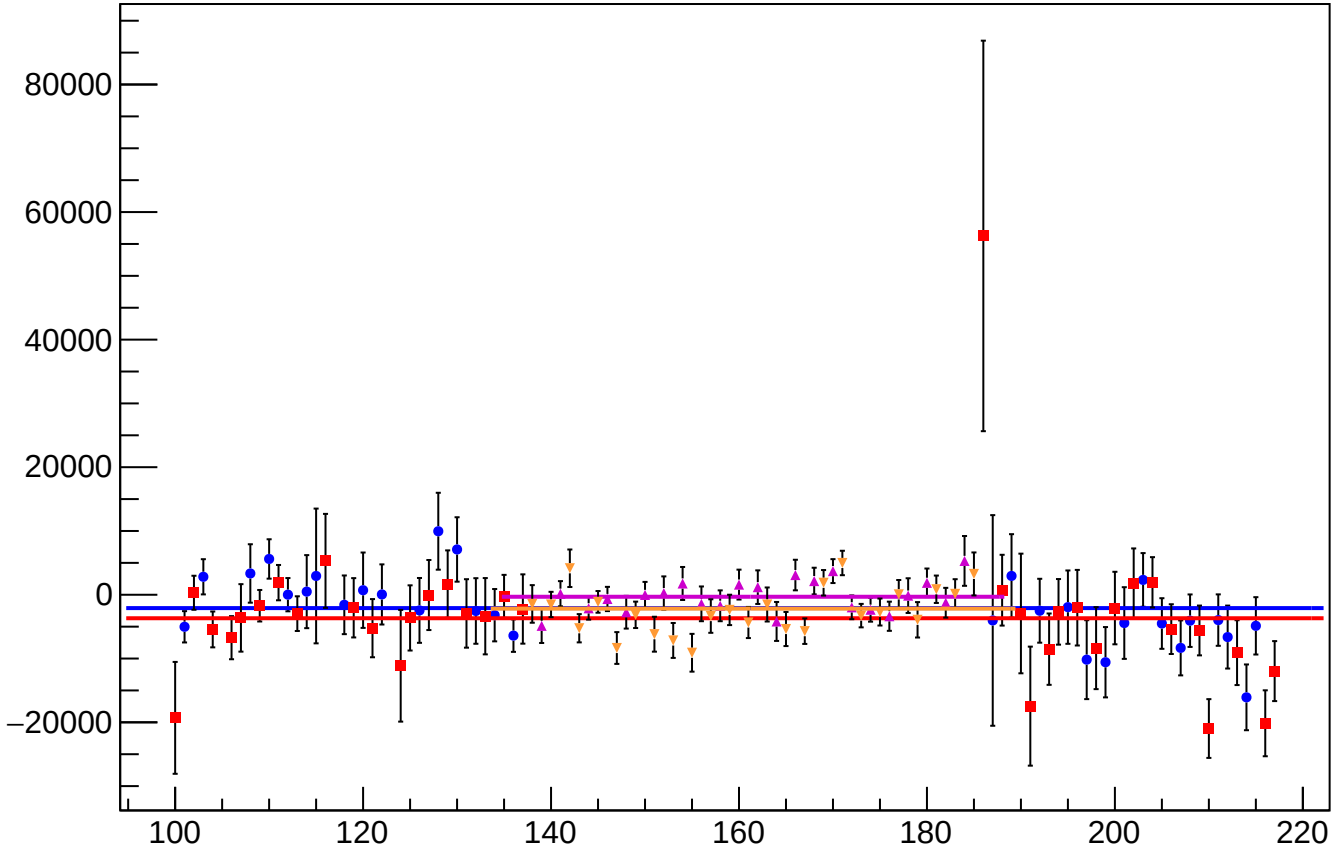
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 268.509+/-0.031 χ^2/NDF: 2429610.4/55

All: 268.946+/-0.022 χ^2/NDF: 5759167.2/114

- sign 269.389+/-0.031 χ^2/NDF: 3329159.6/58

asym_sam4_reg_correction_mean vs Slug



Right In: -2091.480+/-761.515 χ^2/NDF: 41.5/30

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -3682.423+/-733.747 χ^2/NDF: 56.5/35

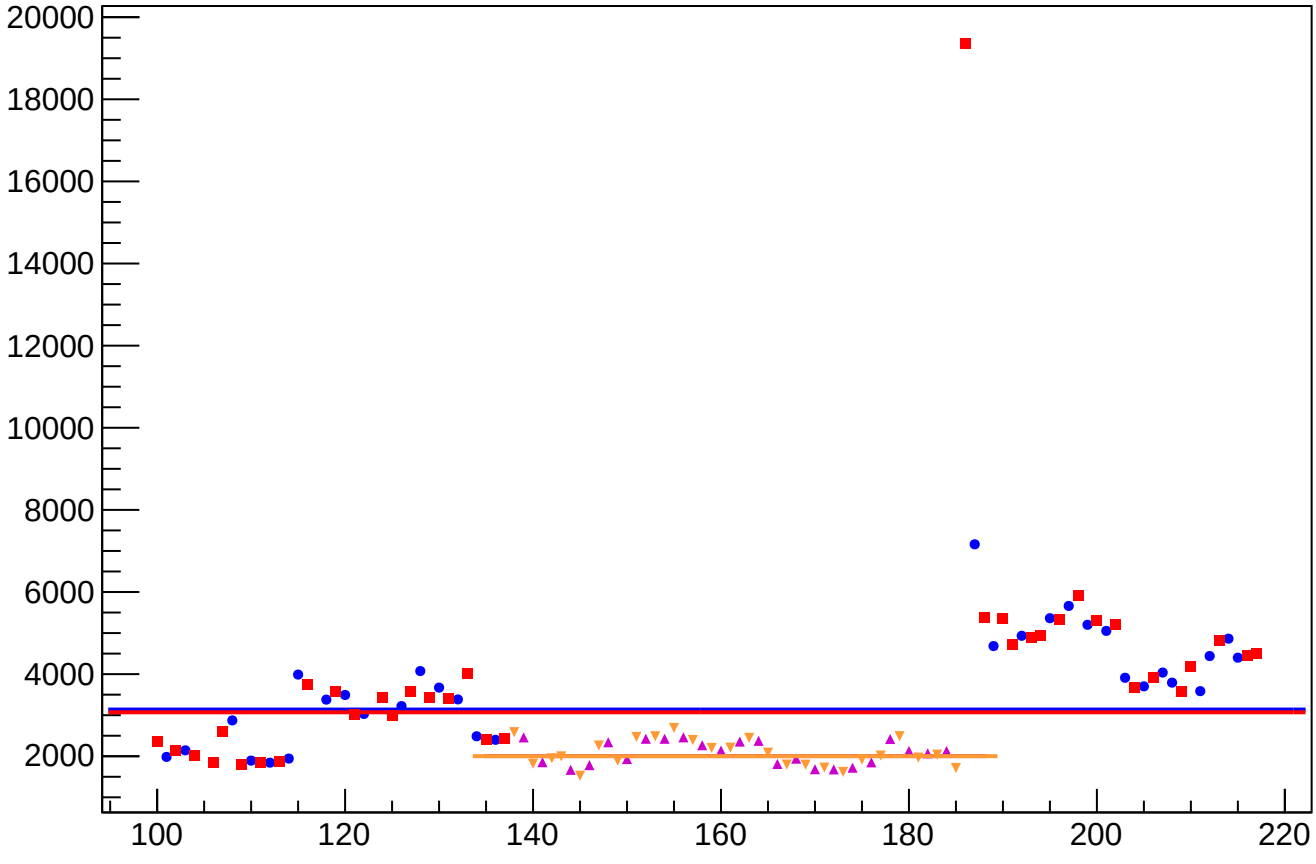
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2150.244+/-394.772 χ^2/NDF: 97.0/55

All: -1731.706+/-280.350 χ^2/NDF: 194.3/114

- sign -1305.870+/-398.199 χ^2/NDF: 95.0/58

asym_sam4_reg_correction_rms vs Slug



Right In: 3137.162+/-0.538 χ^2/NDF: 4357001.1/30

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3070.747+/-0.519 χ^2/NDF: 6082829.6/35

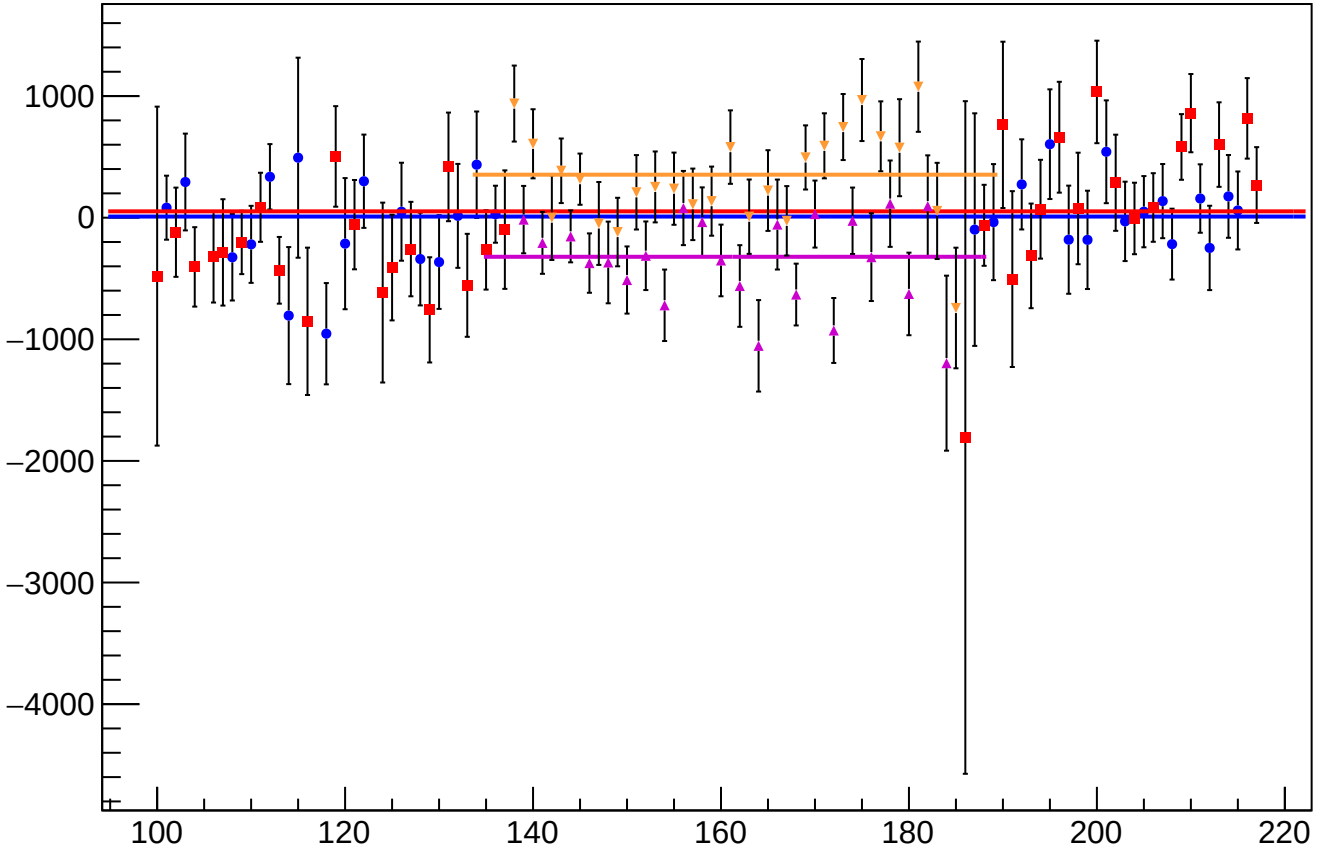
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2307.234+/-0.279 χ^2/NDF: 8498219.4/55

All: 2312.742+/-0.198 χ^2/NDF: 18267667.2/1

- sign 2318.346+/-0.282 χ^2/NDF: 9768662.4/58

cor_asym_sam4_mean vs Slug



Right In: 9.269+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 52.153+/-63.138 χ^2/NDF: 50.4/35

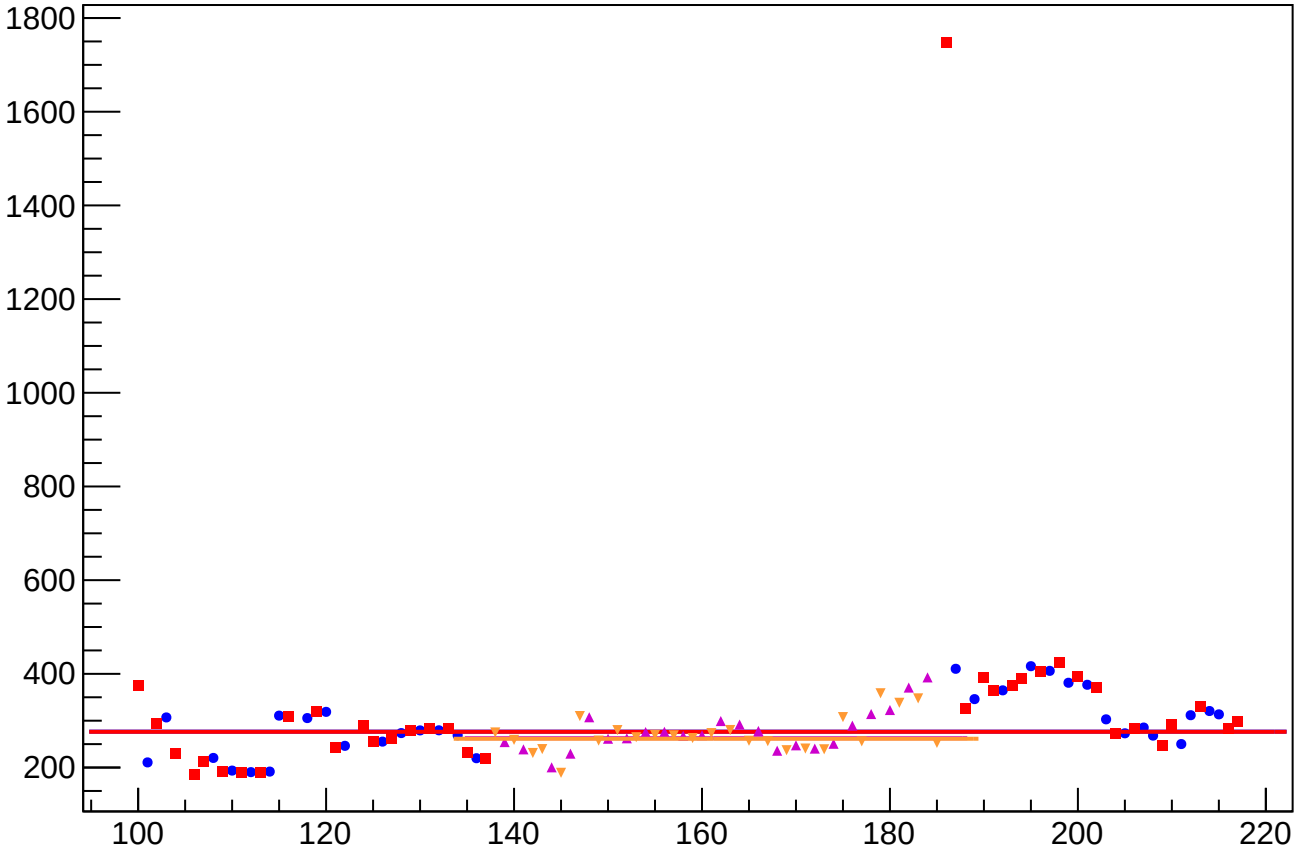
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 193.905+/-44.043 χ^2/NDF: 68.5/55

All: 28.969+/-31.226 χ^2/NDF: 191.1/114

- sign -137.740+/-44.279 χ^2/NDF: 94.5/58

cor_asym_sam4_rms vs Slug



Right In: 276.645+/-0.046 χ^2/NDF: 1655092.8/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

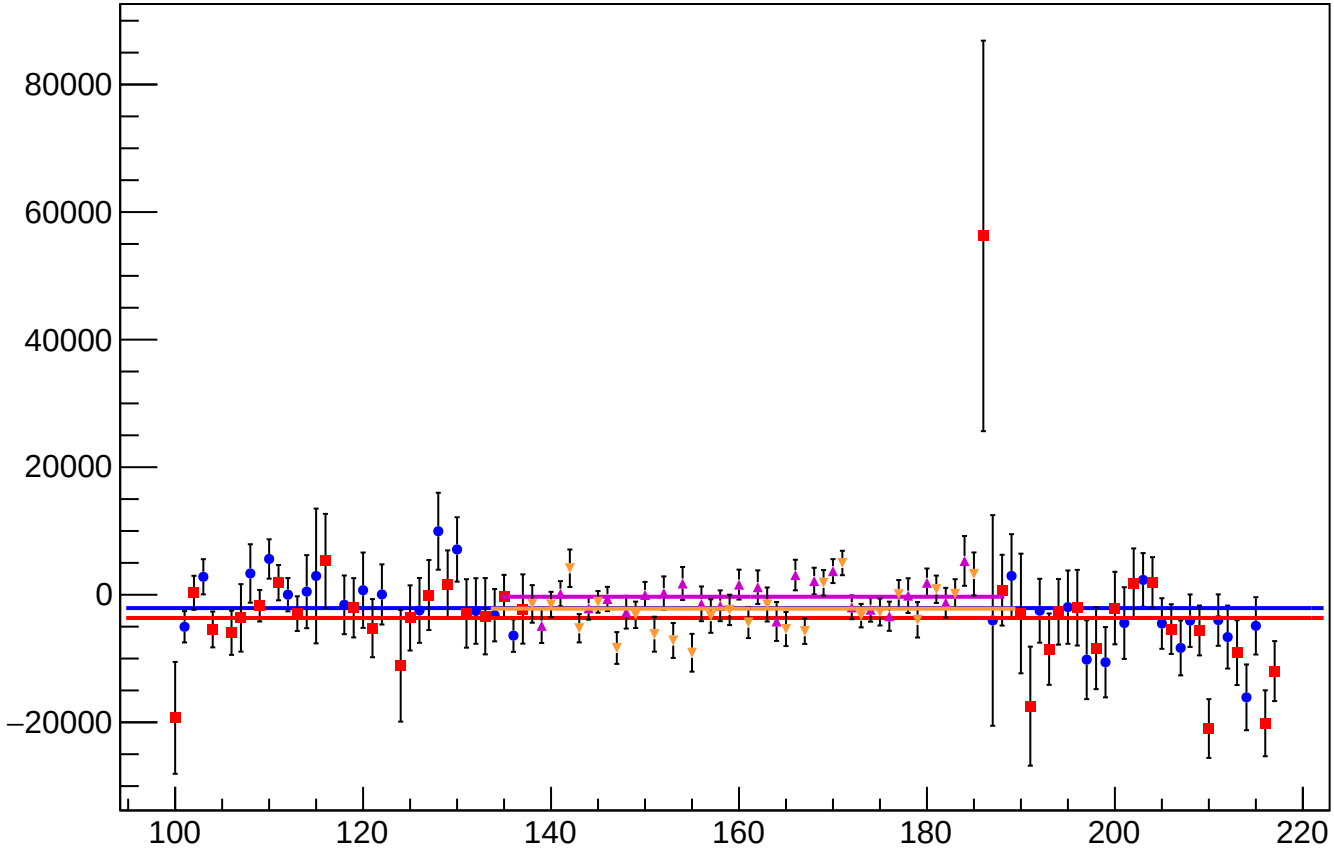
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 268.509+/-0.031 χ^2/NDF: 2429612.0/55

All: 268.932+/-0.022 χ^2/NDF: 5764748.5/114

- sign 269.361+/-0.031 χ^2/NDF: 3334764.3/58

asym_sam4_cor_correction_mean vs Slug



Right In: -2091.604+/-761.519 χ^2/NDF: 41.5/30

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3640.968+/-734.680 χ^2/NDF: 56.1/35

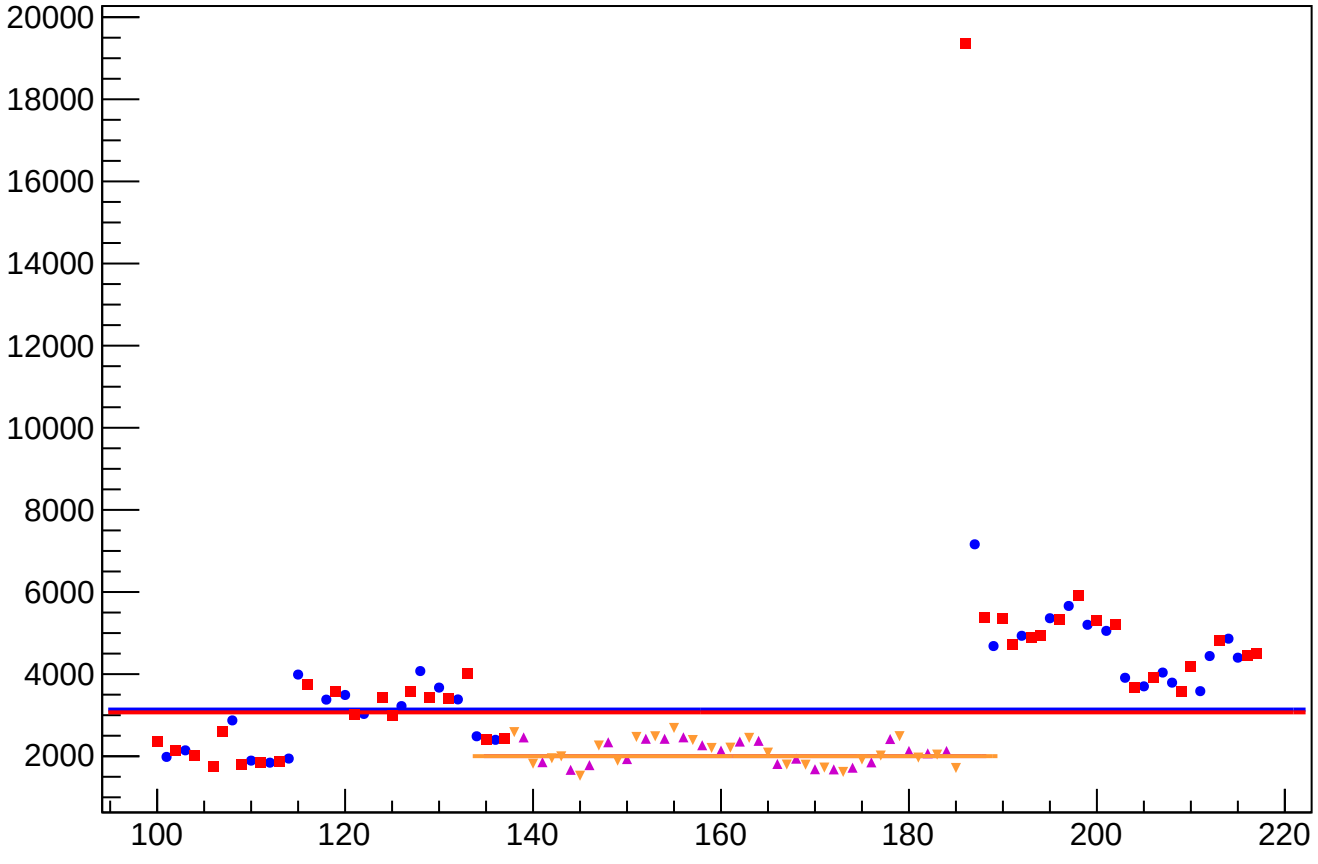
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2150.256+/-394.773 χ^2/NDF: 97.0/55

All: -1724.952+/-280.402 χ^2/NDF: 193.6/114

- sign -1291.908+/-398.348 χ^2/NDF: 94.2/58

asym_sam4_cor_correction_rms vs Slug



Right In: 3137.186+/-0.538 χ^2/NDF: 4356878.7/30

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

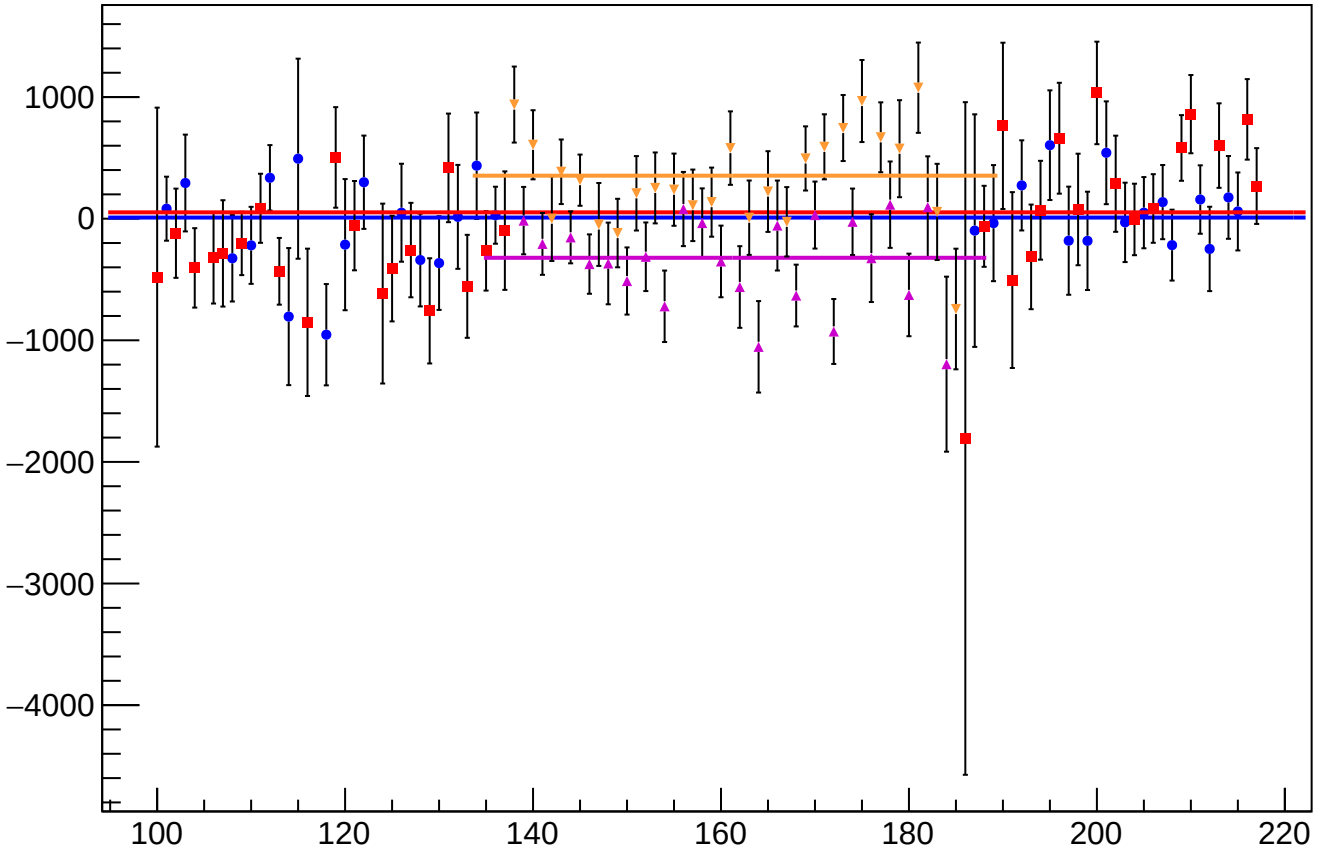
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2307.238+/-0.279 χ^2/NDF: 8498204.7/55

All: 2312.193+/-0.198 χ^2/NDF: 18284691.8/1

- sign 2317.238+/-0.282 χ^2/NDF: 9785851.2/58

eigen_cor_asym_sam4_mean vs Slug



Right In: 9.269+/-64.667 χ^2/NDF: 20.9/30

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 52.153+/-63.138 χ^2/NDF: 50.4/35

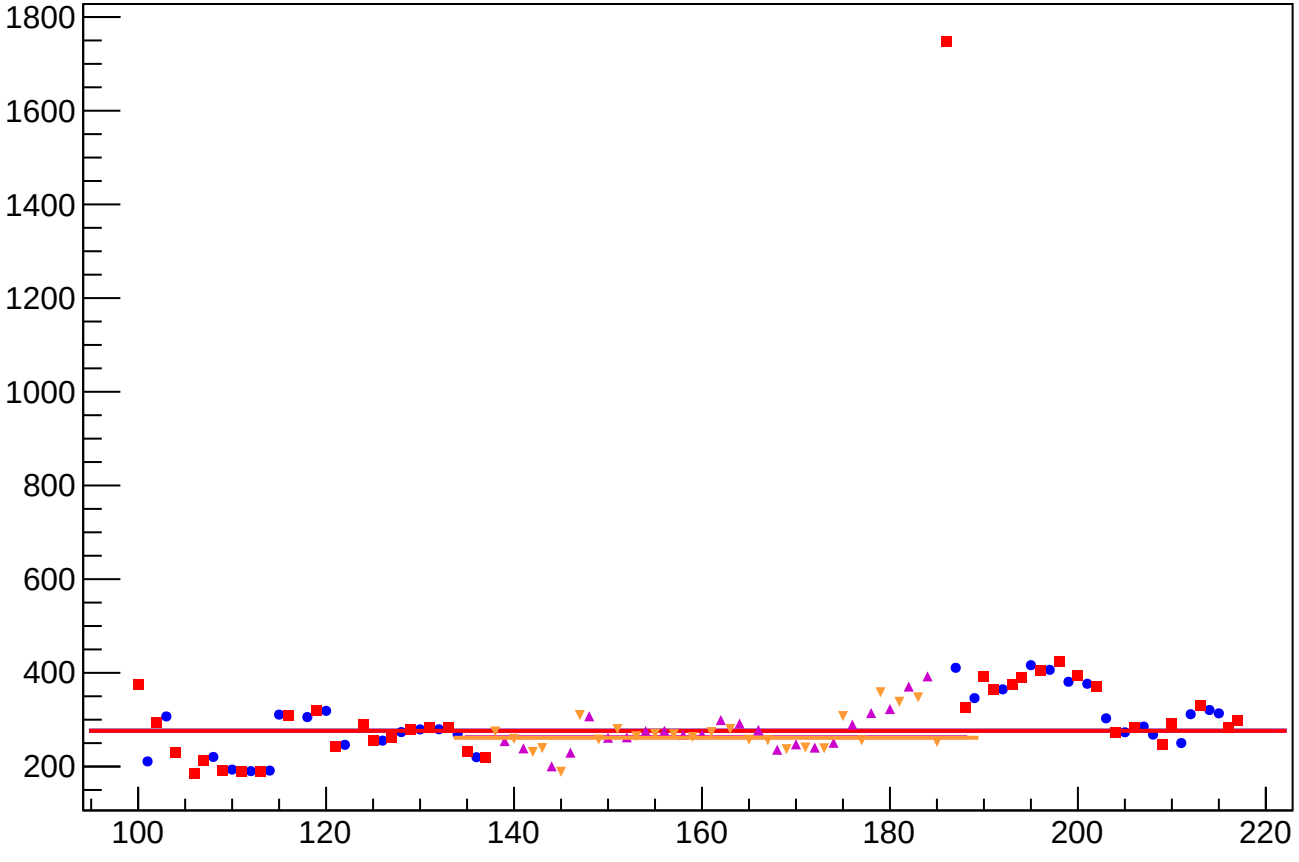
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 193.905+/-44.043 χ^2/NDF: 68.5/55

All: 28.969+/-31.226 χ^2/NDF: 191.1/114

- sign -137.740+/-44.279 χ^2/NDF: 94.5/58

eigen_cor_asym_sam4_rms vs Slug



Right In: 276.645+/-0.046 χ^2/NDF: 1655092.8/30

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 276.330+/-0.045 χ^2/NDF: 2616169.8/35

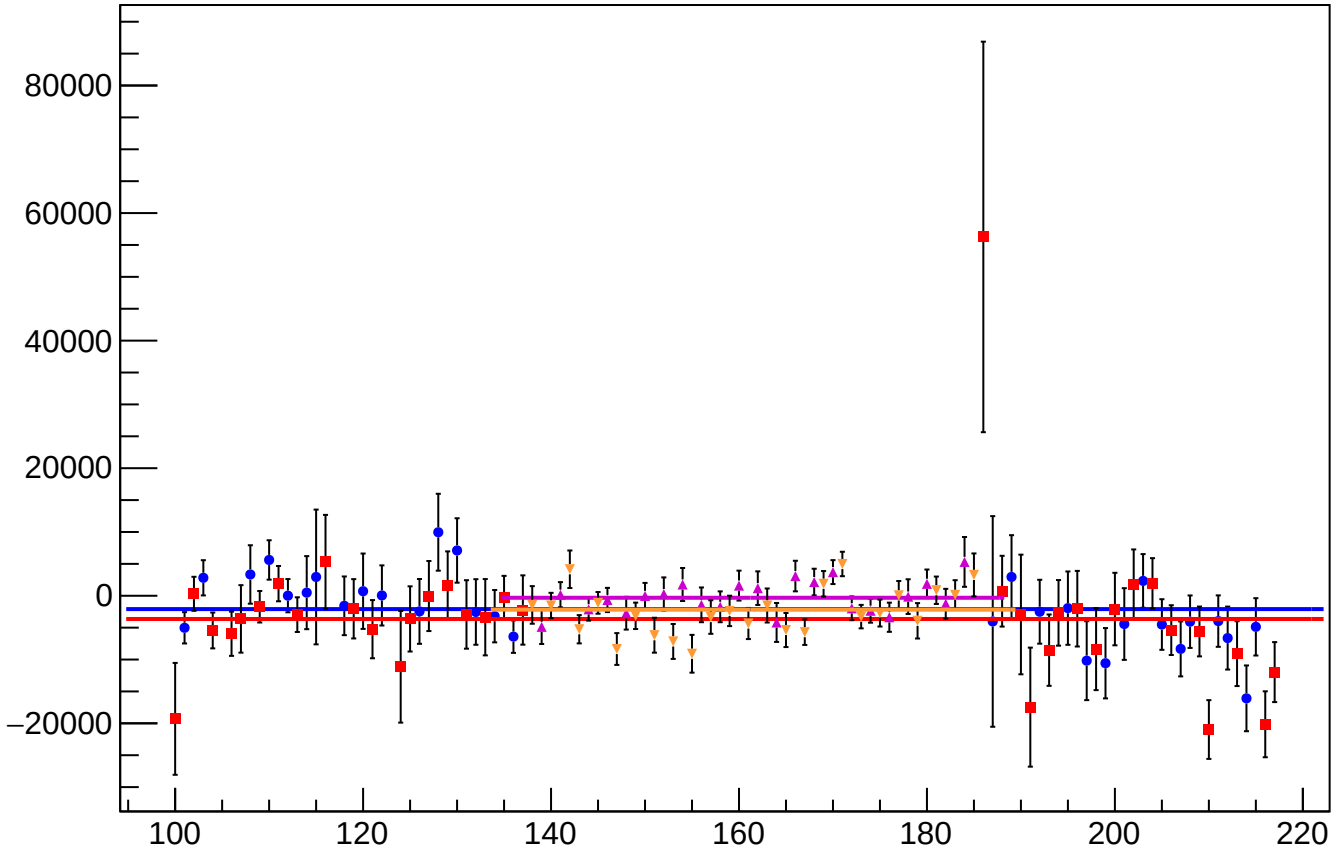
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 268.509+/-0.031 χ^2/NDF: 2429612.0/55

All: 268.932+/-0.022 χ^2/NDF: 5764748.5/114

- sign 269.361+/-0.031 χ^2/NDF: 3334764.3/58

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2091.604+/-761.519 χ^2/NDF: 41.5/30

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3640.968+/-734.680 χ^2/NDF: 56.1/35

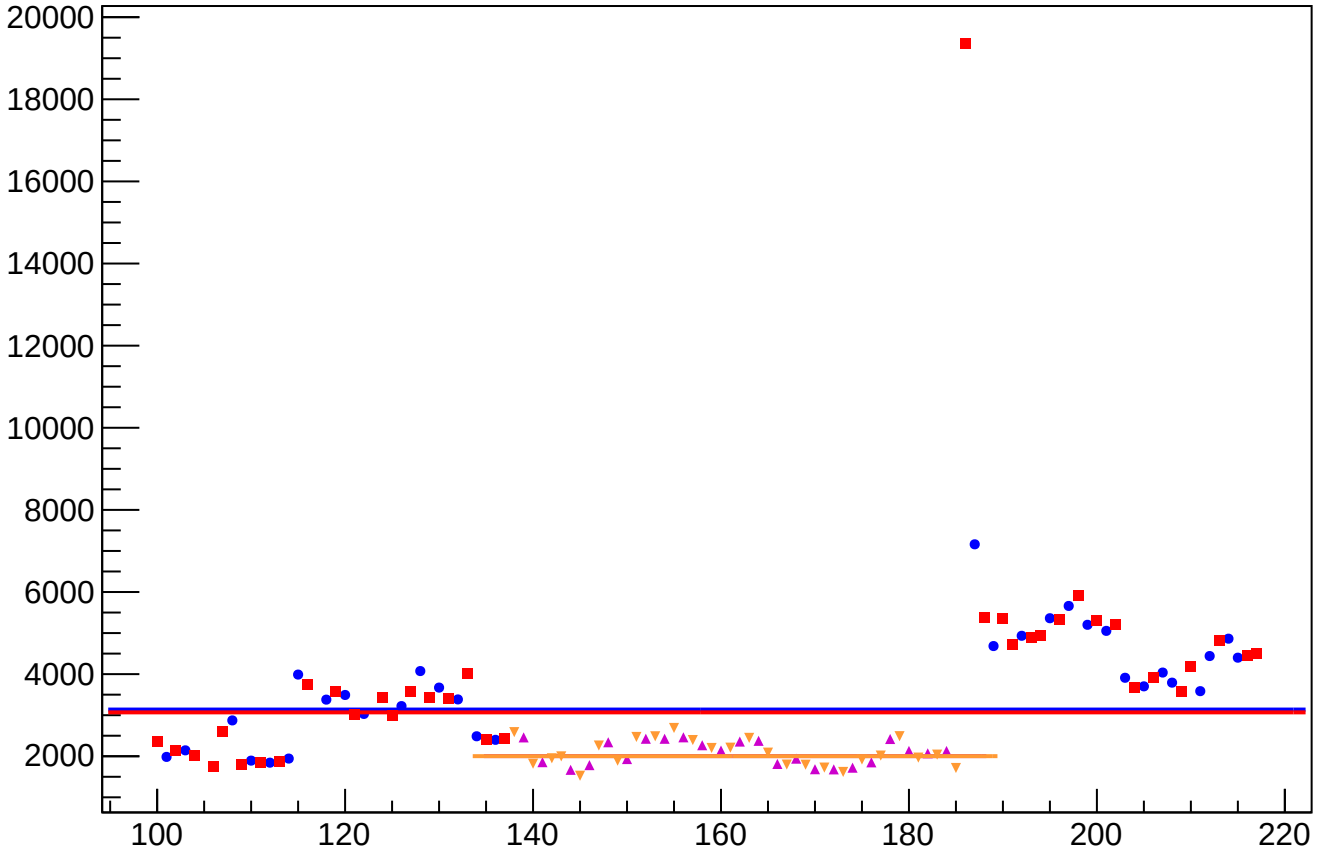
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2150.256+/-394.773 χ^2/NDF: 97.0/55

All: -1724.952+/-280.402 χ^2/NDF: 193.6/114

- sign -1291.908+/-398.348 χ^2/NDF: 94.2/58

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3137.186+/-0.538 χ^2/NDF: 4356878.7/30

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3068.894+/-0.519 χ^2/NDF: 6115699.9/35

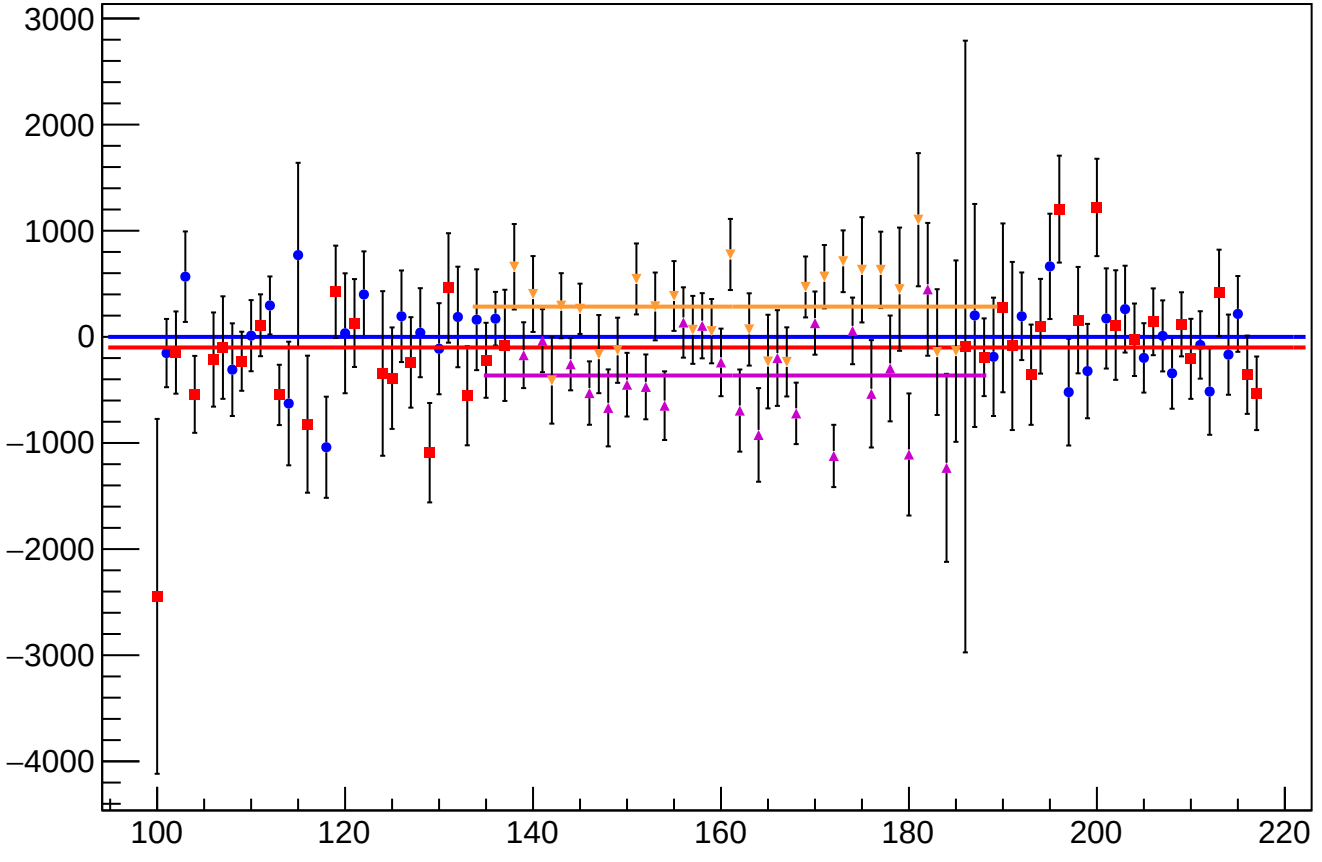
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2307.238+/-0.279 χ^2/NDF: 8498204.7/55

All: 2312.193+/-0.198 χ^2/NDF: 18284691.8/1

- sign 2317.238+/-0.282 χ^2/NDF: 9785851.2/58

dit_asym_sam4_mean vs Slug



Right In: -0.428+/-71.960 χ^2/NDF: 20.3/30

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -100.050+/-69.726 χ^2/NDF: 38.1/35

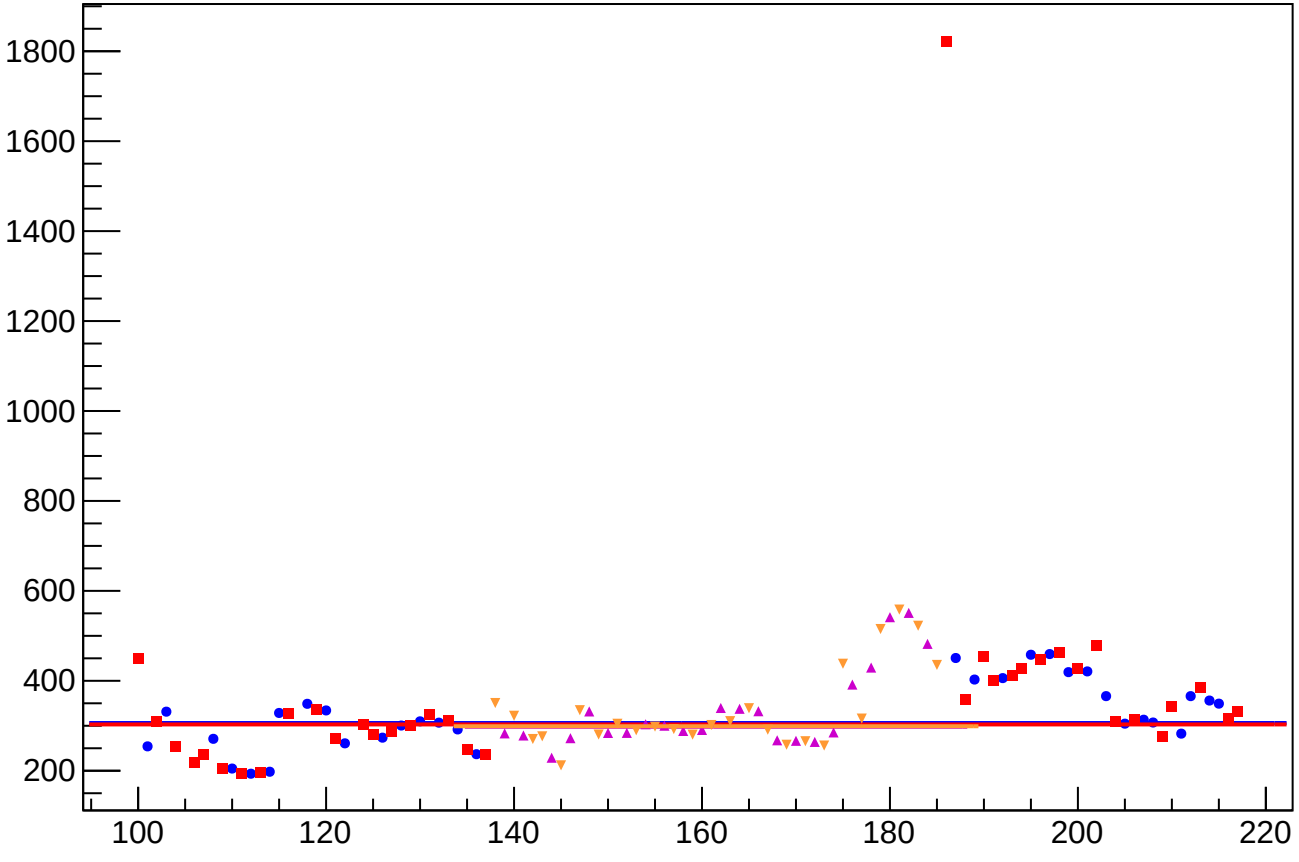
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 146.108+/-50.190 χ^2/NDF: 51.2/55

All: -41.884+/-35.419 χ^2/NDF: 152.4/114

- sign -228.395+/-49.992 χ^2/NDF: 73.3/58

dit_asym_sam4_rms vs Slug



Right In: 306.111+/-0.051 χ^2/NDF: 1872321.4/30

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 302.980+/-0.049 χ^2/NDF: 2951585.6/35

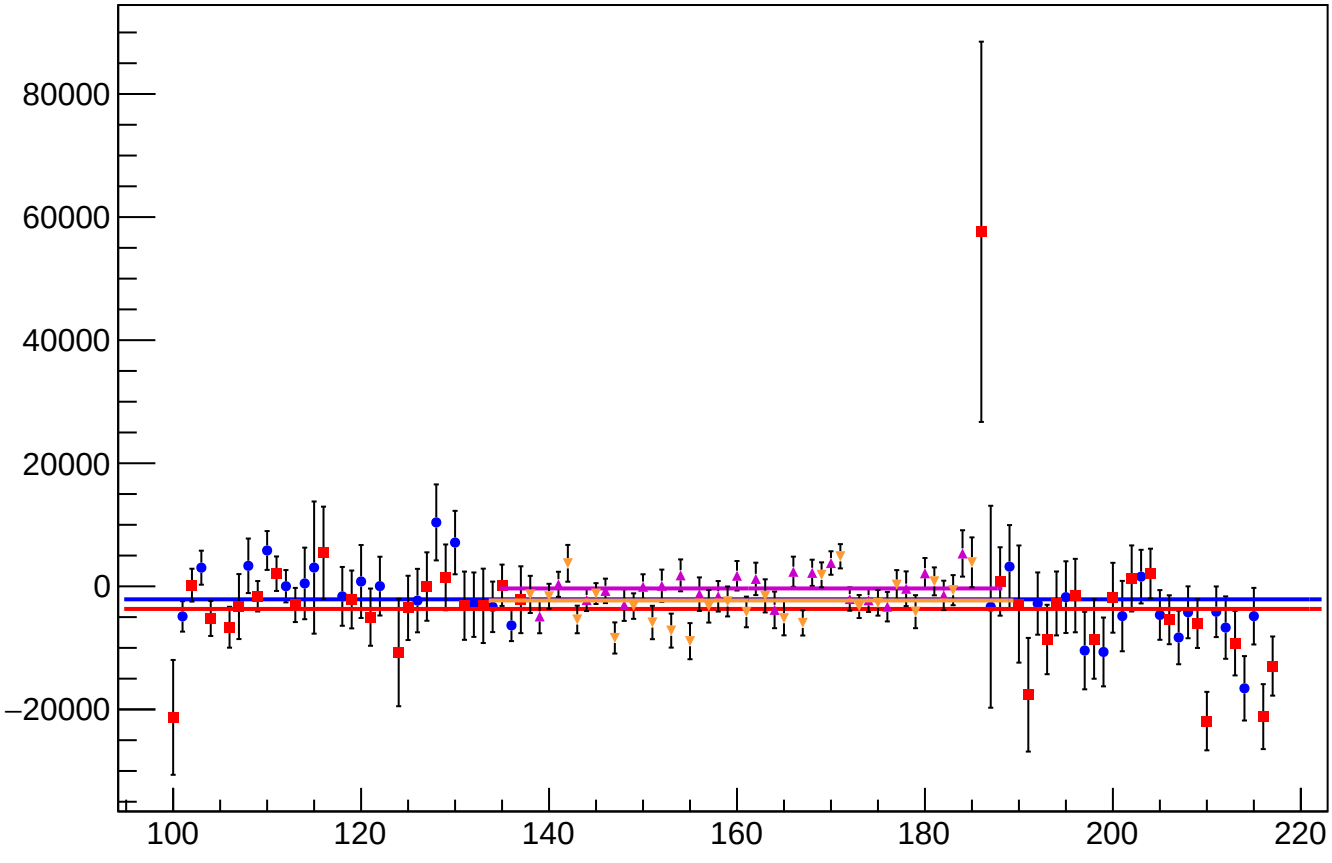
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 302.427+/-0.035 χ^2/NDF: 3495603.5/55

All: 301.462+/-0.025 χ^2/NDF: 7772914.1/114

- sign 300.504+/-0.035 χ^2/NDF: 4275837.1/58

asym_sam4_dit_correction_mean vs Slug



Right In: -2109.436+/-770.824 χ^2/NDF: 41.7/30

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -3672.484+/-740.849 χ^2/NDF: 59.2/35

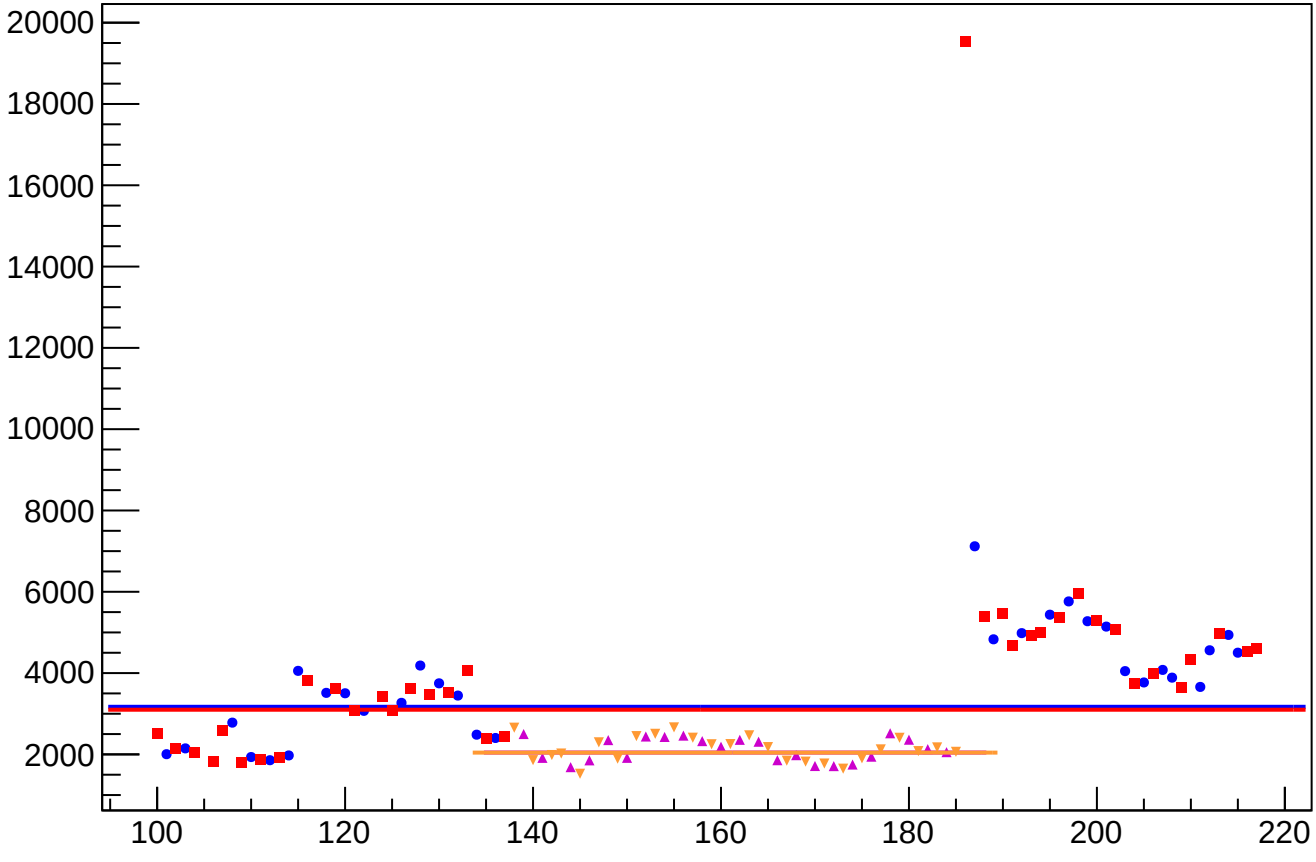
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2241.707+/-401.610 χ^2/NDF: 93.4/55

All: -1793.386+/-285.159 χ^2/NDF: 192.1/114

- sign -1337.549+/-404.962 χ^2/NDF: 96.2/58

asym_sam4_dit_correction_rms vs Slug



Right In: 3171.001+/-0.545 χ^2/NDF: 4479864.0/30

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3098.725+/-0.524 χ^2/NDF: 6137768.4/35

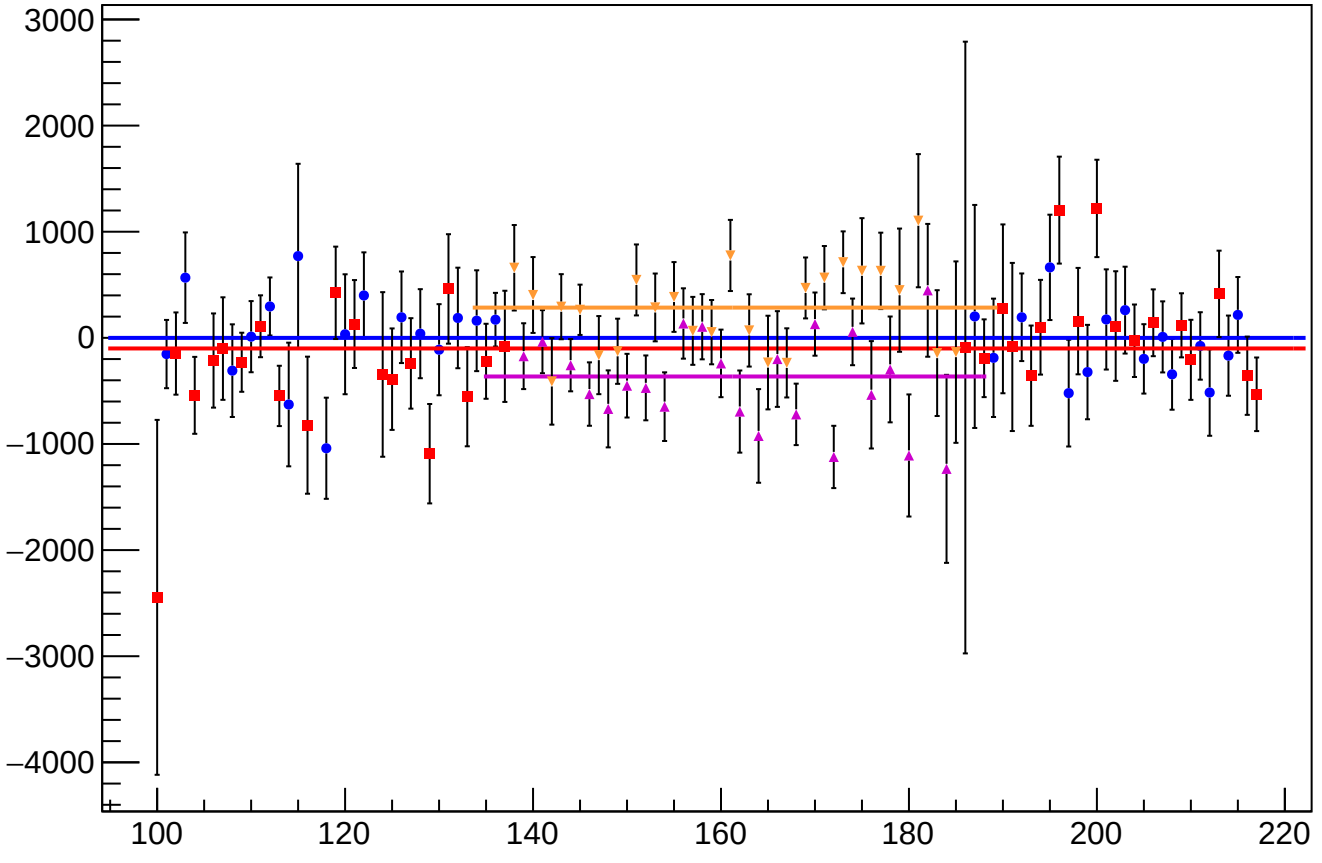
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2349.745+/-0.284 χ^2/NDF: 8449423.5/55

All: 2354.815+/-0.202 χ^2/NDF: 18114179.6/1

- sign 2359.970+/-0.286 χ^2/NDF: 9664113.2/58

eigen_dit_asym_sam4_mean vs Slug



Right In: -0.422+/-71.960 χ^2/NDF: 20.3/30

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -100.046+/-69.726 χ^2/NDF: 38.1/35

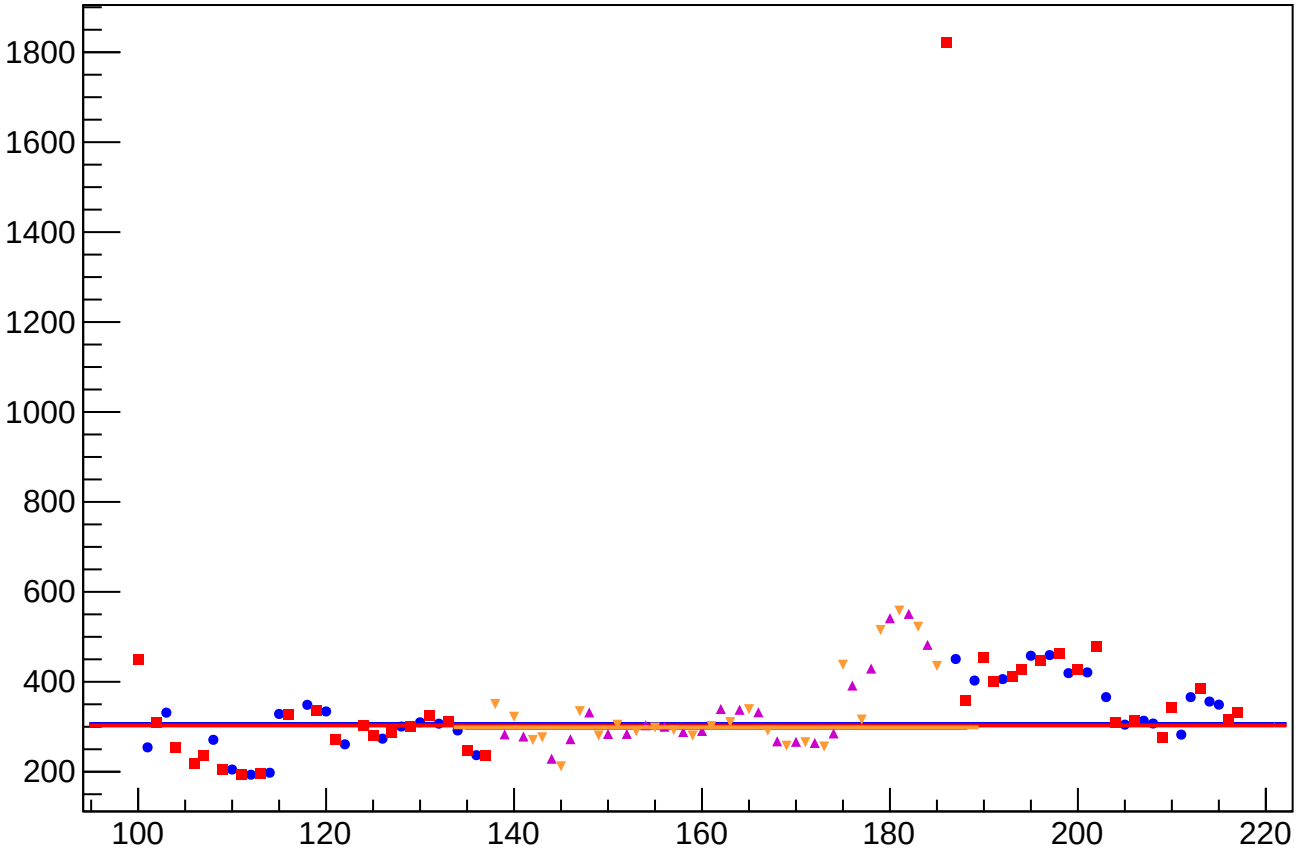
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 146.113+/-50.190 χ^2/NDF: 51.2/55

All: -41.880+/-35.419 χ^2/NDF: 152.4/114

- sign -228.394+/-49.992 χ^2/NDF: 73.3/58

eigen_dit_asym_sam4_rms vs Slug



Right In: 306.111+/-0.051 χ^2/NDF: 1872301.2/30

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 302.980+/-0.049 χ^2/NDF: 2951587.3/35

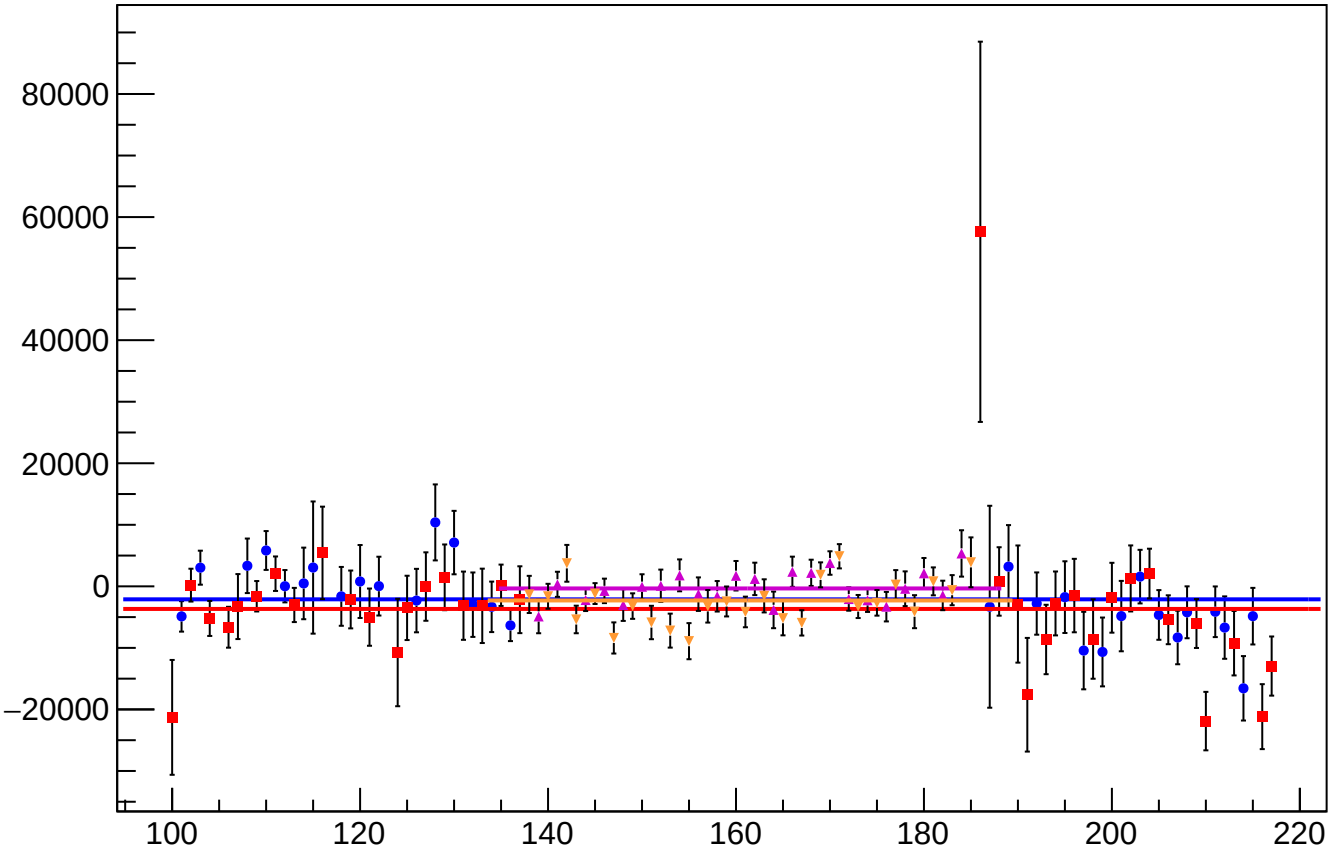
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 302.427+/-0.035 χ^2/NDF: 3495579.3/55

All: 301.462+/-0.025 χ^2/NDF: 7772872.7/114

- sign 300.504+/-0.035 χ^2/NDF: 4275819.9/58

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2109.433+/-770.824 χ^2/NDF: 41.7/30

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -3672.479+/-740.848 χ^2/NDF: 59.2/35

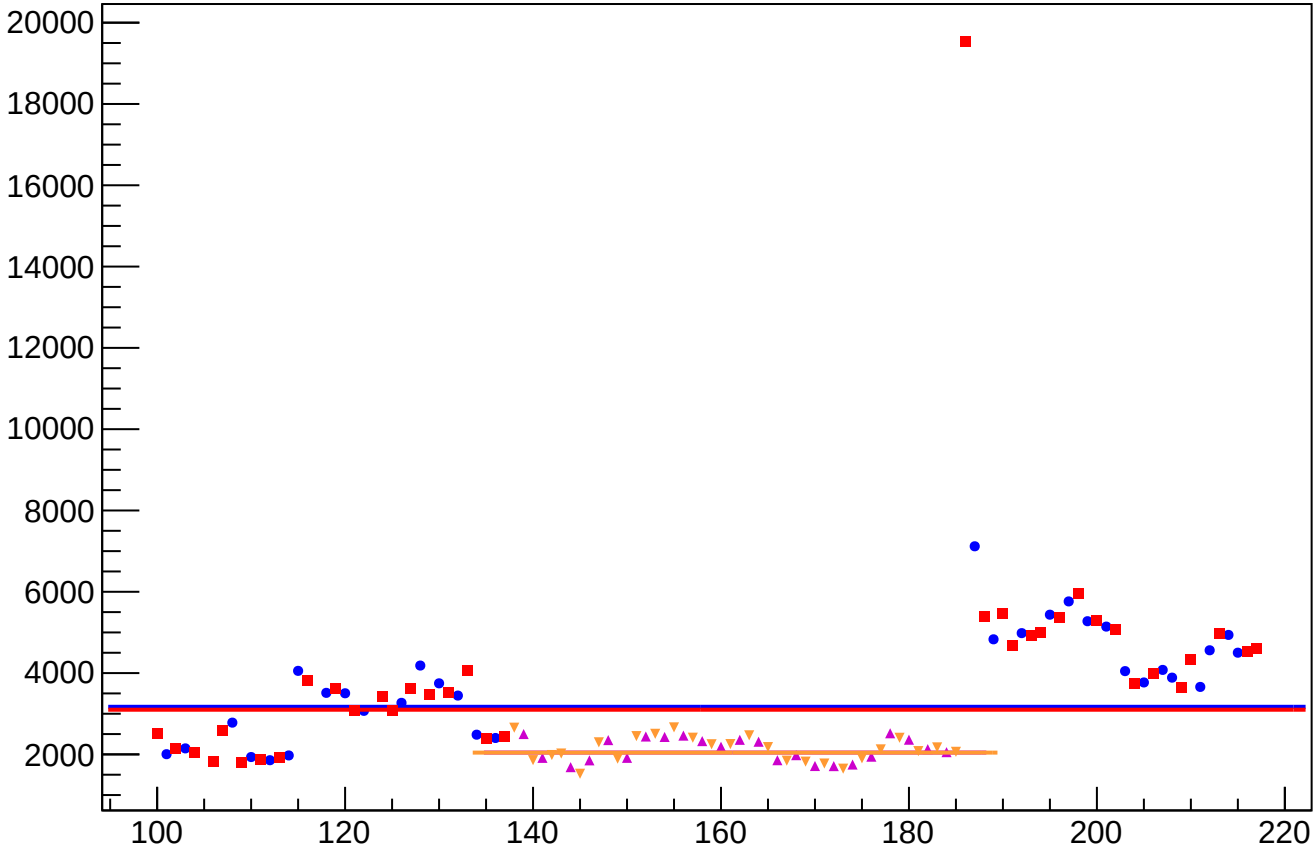
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2241.703+/-401.609 χ^2/NDF: 93.4/55

All: -1793.382+/-285.158 χ^2/NDF: 192.1/114

- sign -1337.545+/-404.961 χ^2/NDF: 96.2/58

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3170.999+/-0.545 χ^2/NDF: 4479861.0/30

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 3098.723+/-0.524 χ^2/NDF: 6137765.2/35

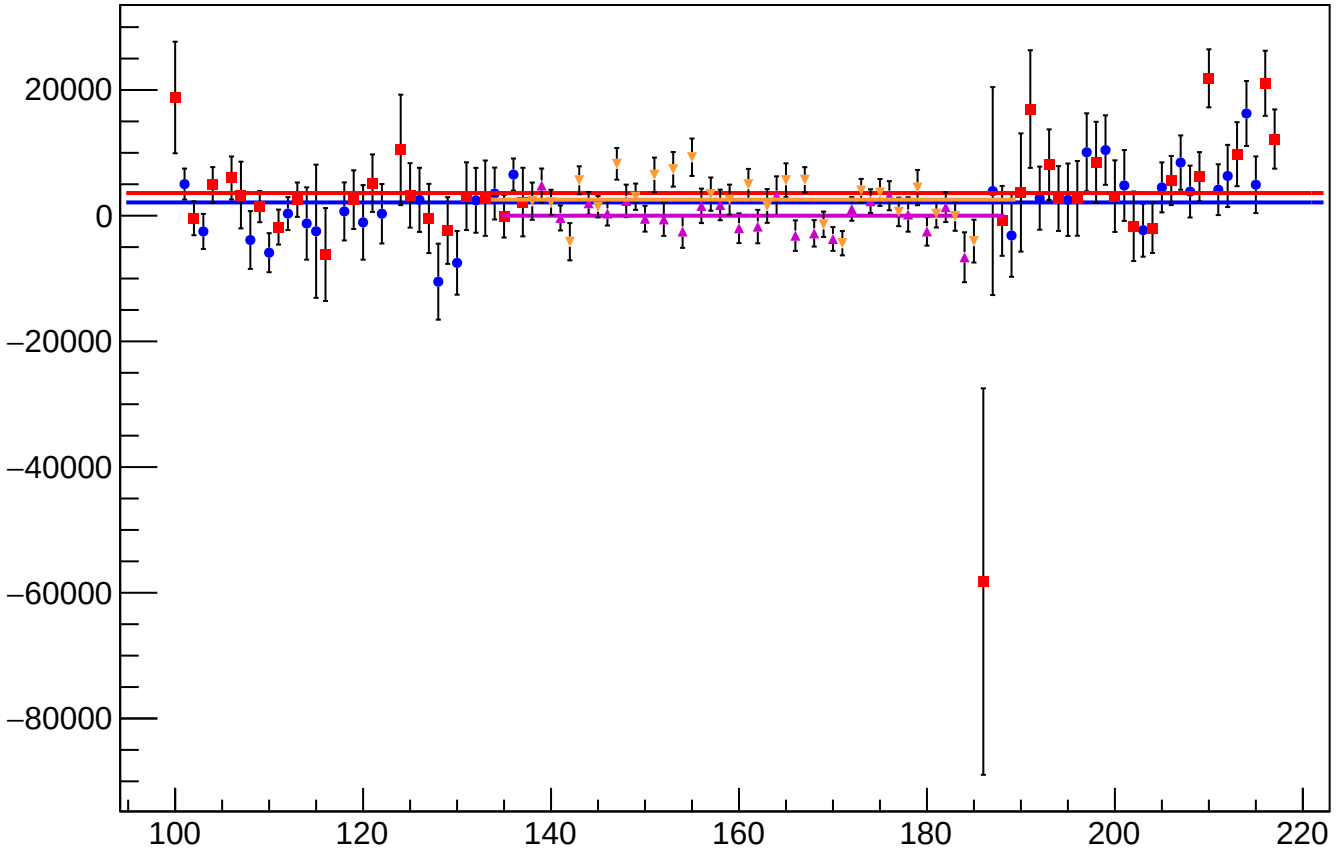
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2349.741+/-0.284 χ^2/NDF: 8449433.8/55

All: 2354.812+/-0.202 χ^2/NDF: 18114194.1/1

- sign 2359.967+/-0.286 χ^2/NDF: 9664117.4/58

asym_sam4_mean vs Slug



Right In: 2109.529+/-764.991 χ^2/NDF: 42.5/30

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 3606.893+/-737.430 χ^2/NDF: 59.6/35

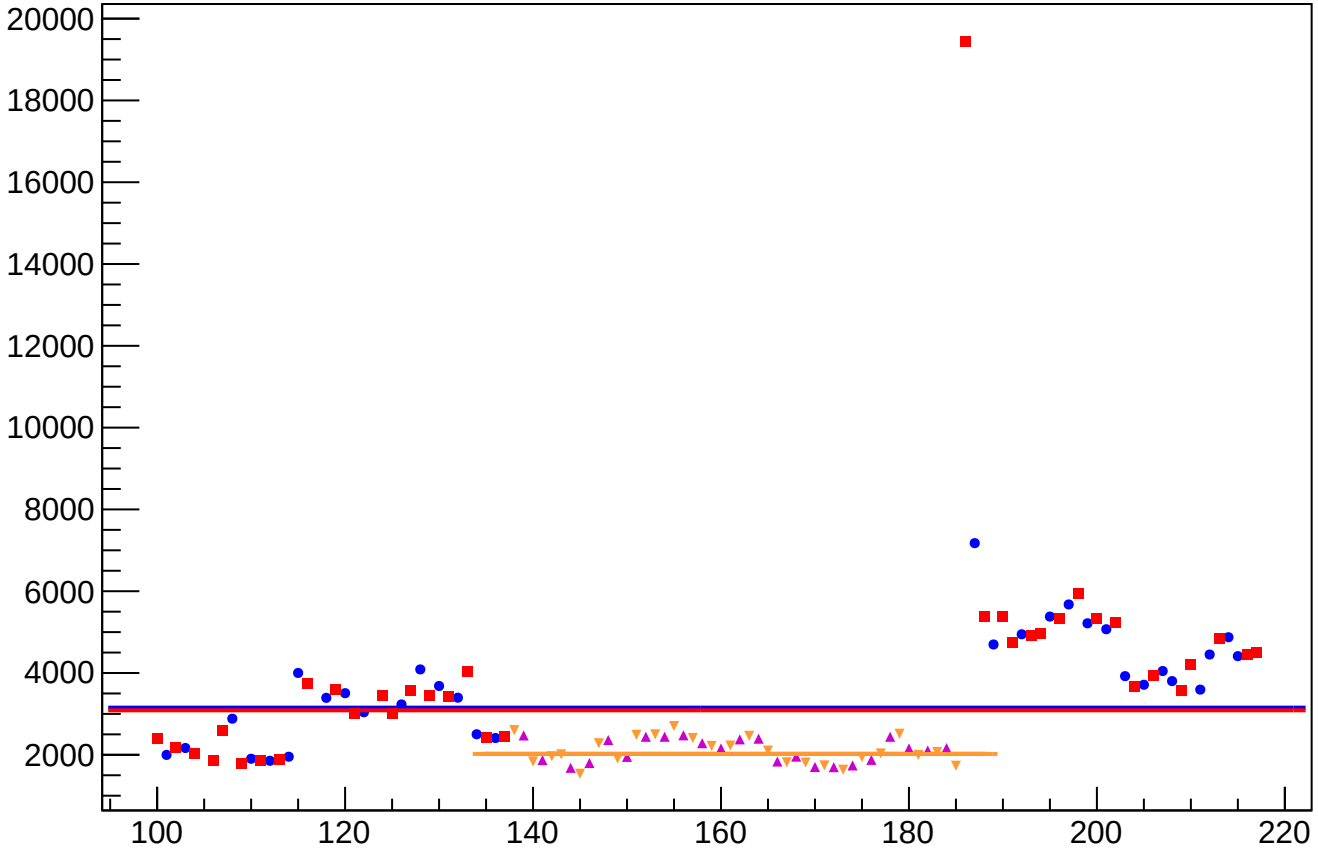
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2437.410+/-397.940 χ^2/NDF: 95.5/55

All: 1757.798+/-282.605 χ^2/NDF: 202.4/114

- sign 1066.283+/-401.410 χ^2/NDF: 101.1/58

asym_sam4_rms vs Slug



Right In: 3153.277+/-0.541 χ^2/NDF: 4319434.3/30

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3087.930+/-0.521 χ^2/NDF: 6034999.8/35

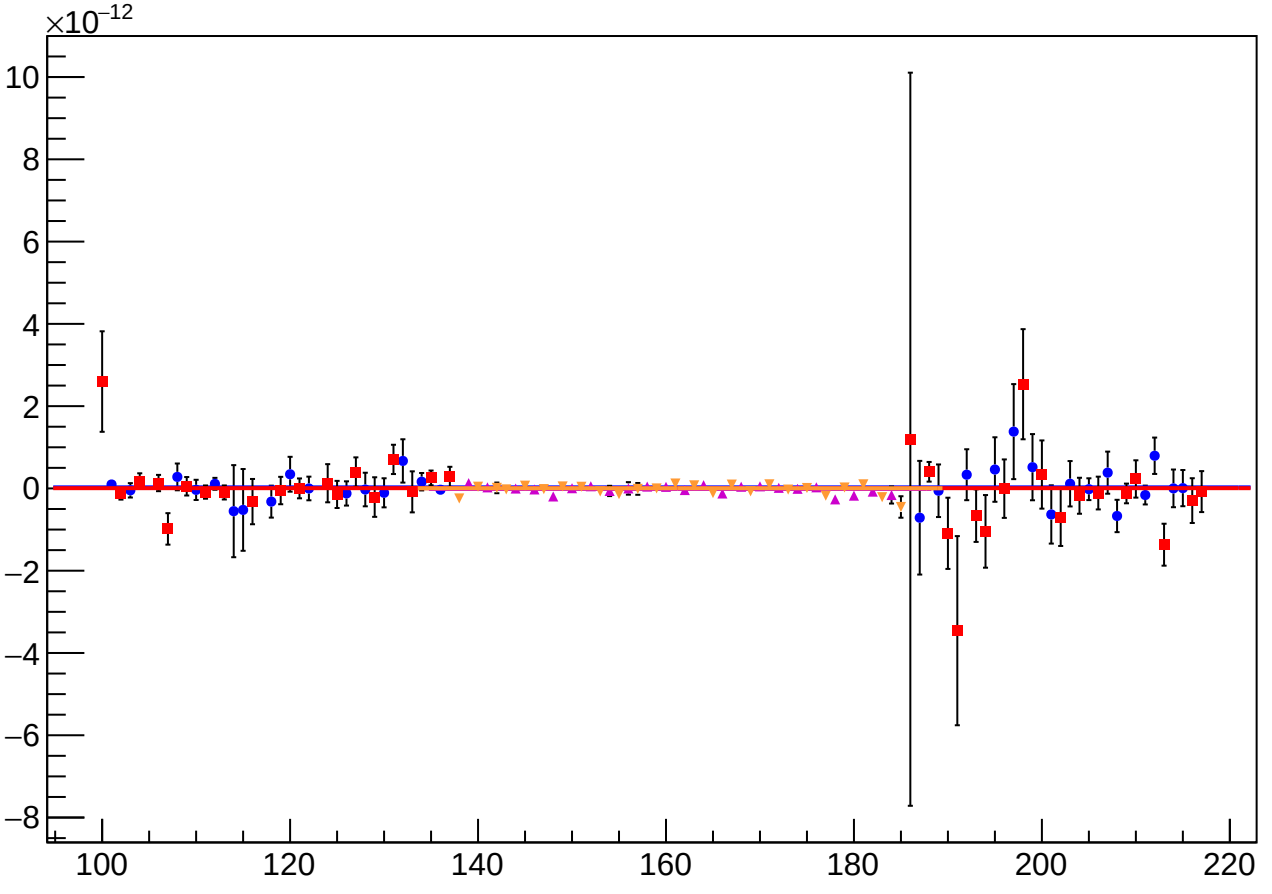
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2327.584+/-0.281 χ^2/NDF: 8395179.0/55

All: 2333.114+/-0.200 χ^2/NDF: 18060510.5/1

- sign 2338.740+/-0.284 χ^2/NDF: 9664552.5/58

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

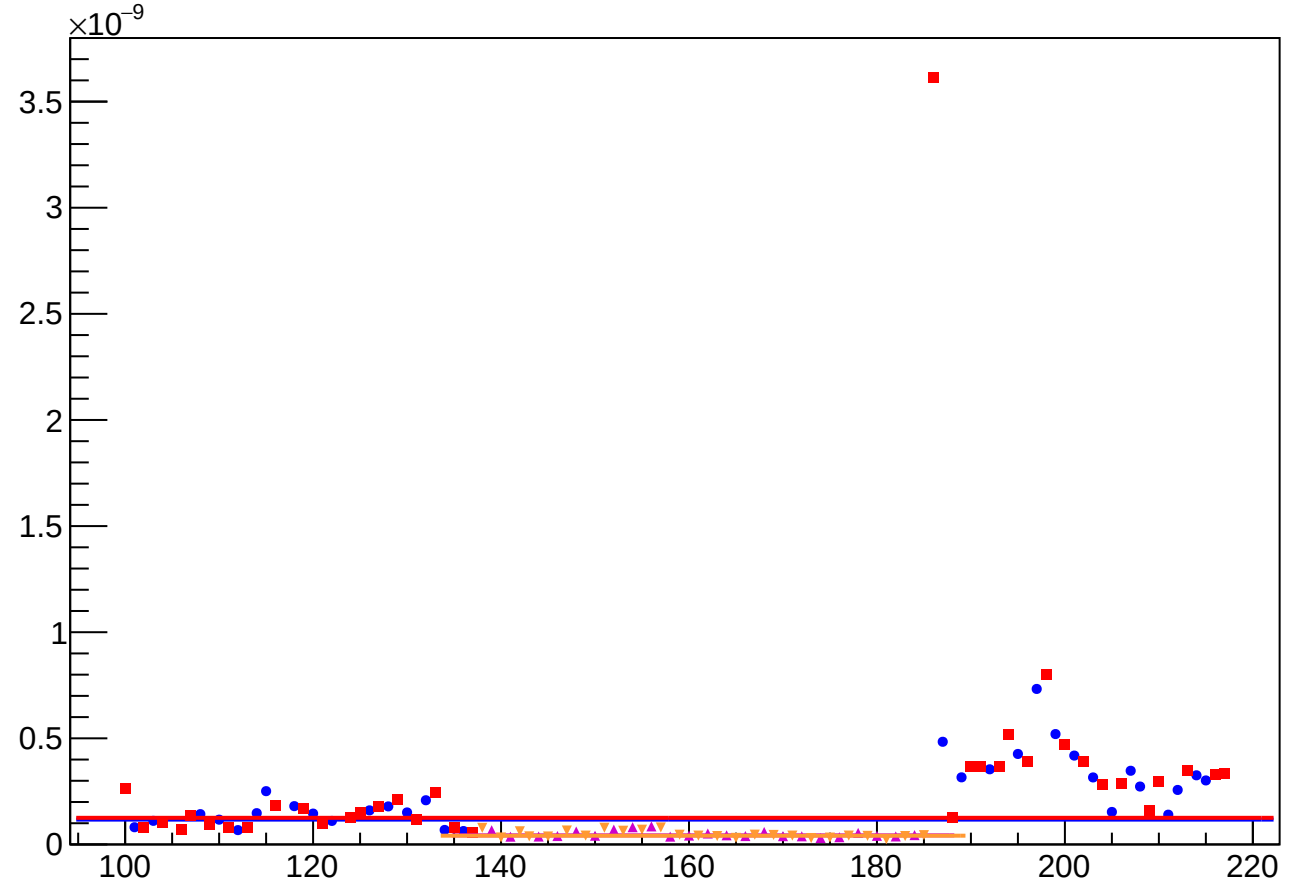
Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/35

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/55

All: -0.000+/-0.000 χ^2/NDF: 116.4/114

- sign -0.000+/-0.000 χ^2/NDF: 66.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 5815607.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5914479.7/35

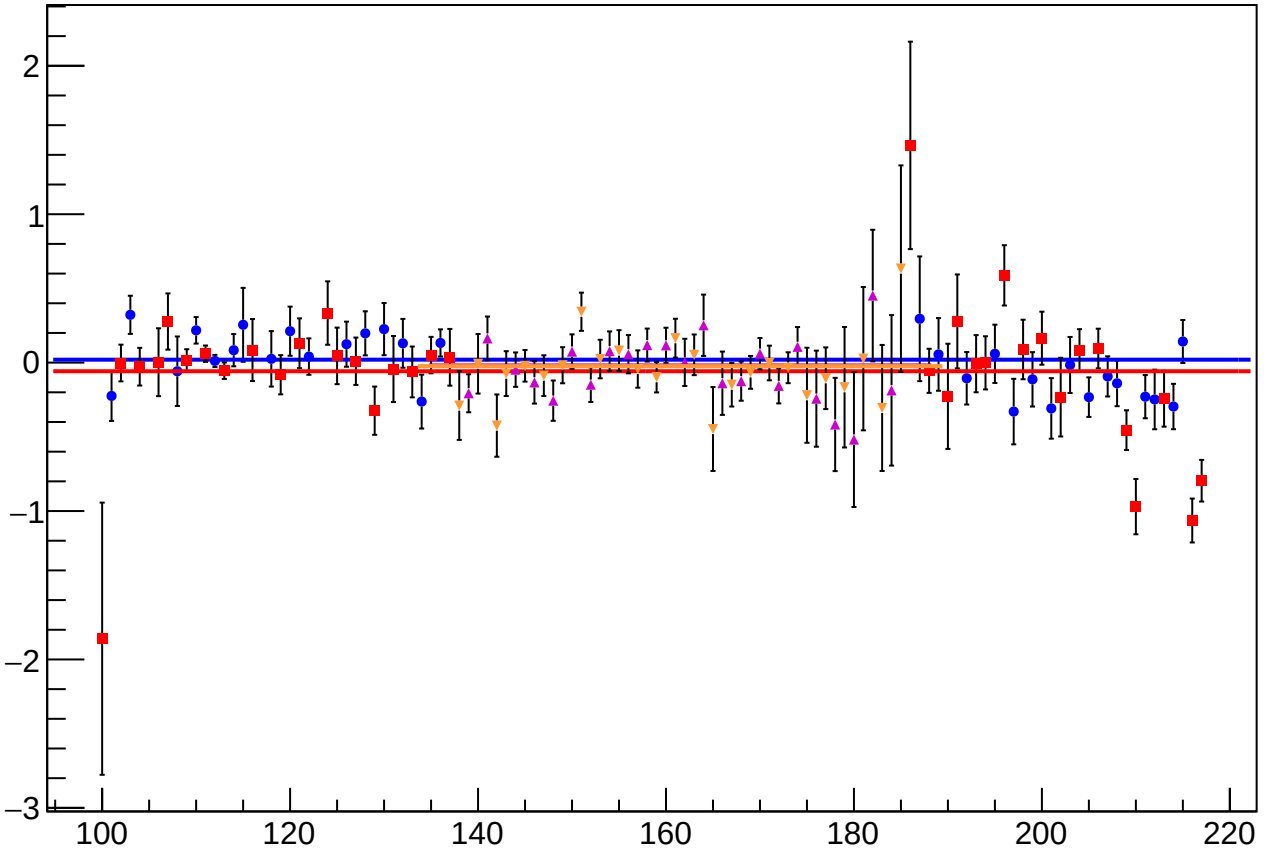
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11559478.4/55

All: 0.000+/-0.000 χ^2/NDF: 23256239.1/114

- sign 0.000+/-0.000 χ^2/NDF: 11669347.2/58

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

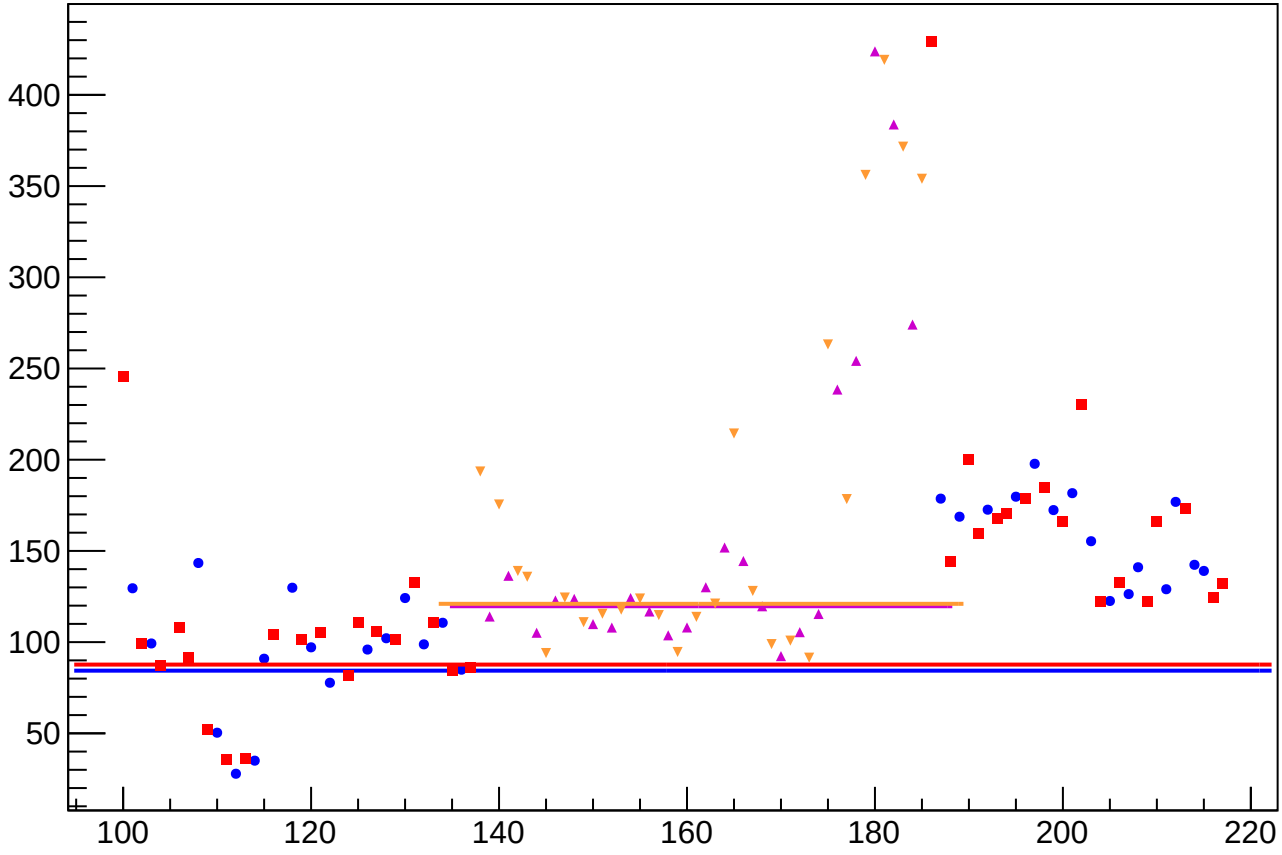
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.004+/-0.018 χ^2/NDF: 68.2/55

All: -0.020+/-0.013 χ^2/NDF: 246.6/114

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 84.358+/-0.016 χ^2/NDF: 9959271.0/30

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

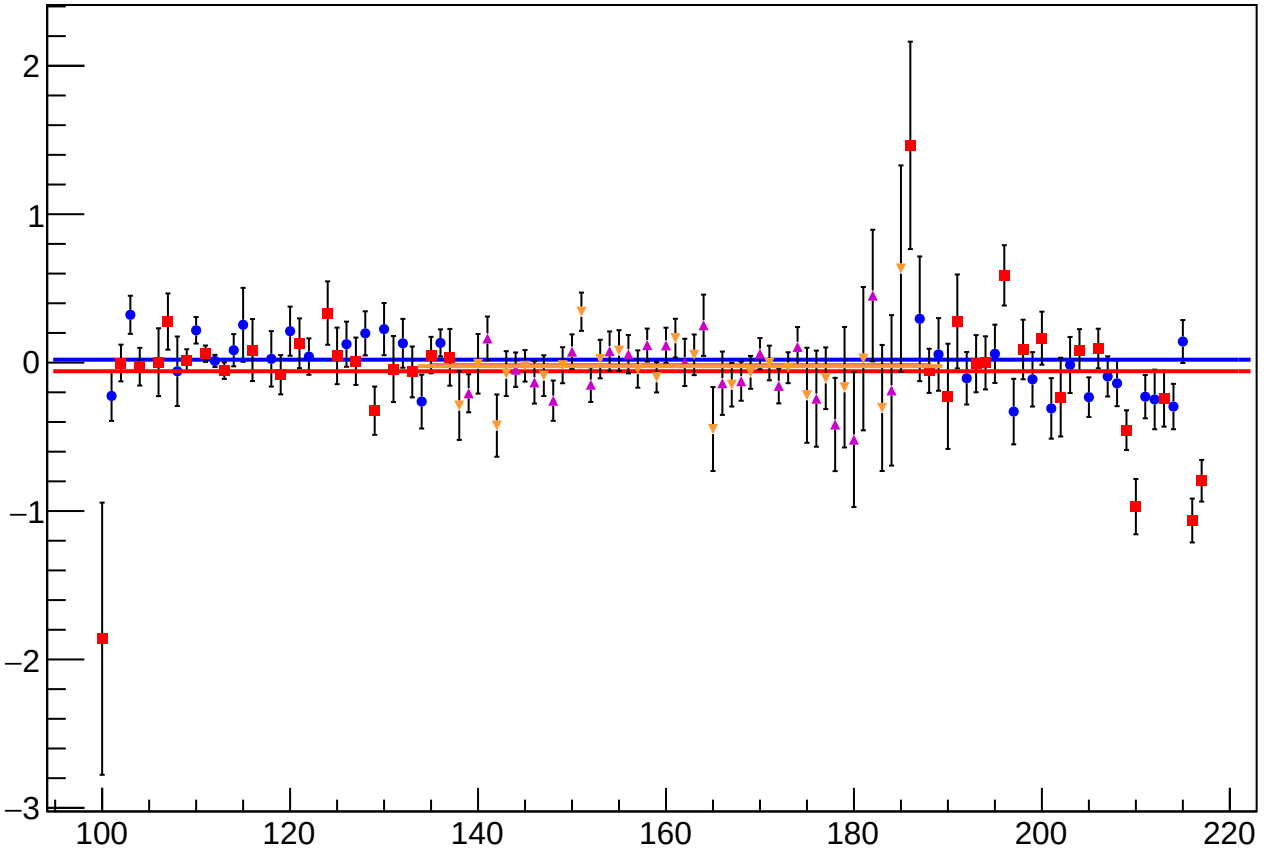
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 98.077+/-0.013 χ^2/NDF: 15933164.0/55

All: 98.688+/-0.009 χ^2/NDF: 29728959.0/114

- sign 99.292+/-0.013 χ^2/NDF: 13791356.8/58

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

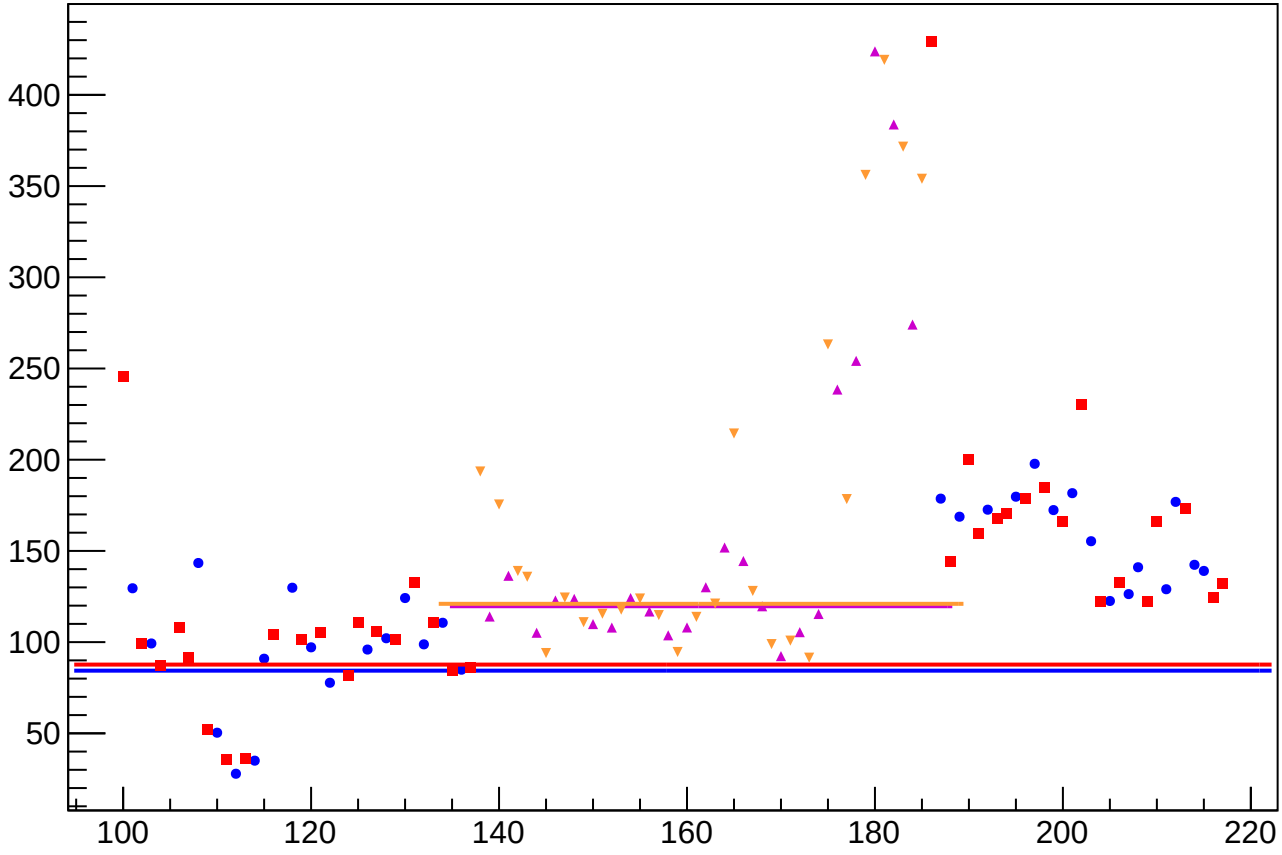
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.004+/-0.018 χ^2/NDF: 68.2/55

All: -0.020+/-0.013 χ^2/NDF: 246.6/114

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 84.358+/-0.016 χ^2/NDF: 9959271.0/30

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 87.685+/-0.016 χ^2/NDF: 9525187.2/35

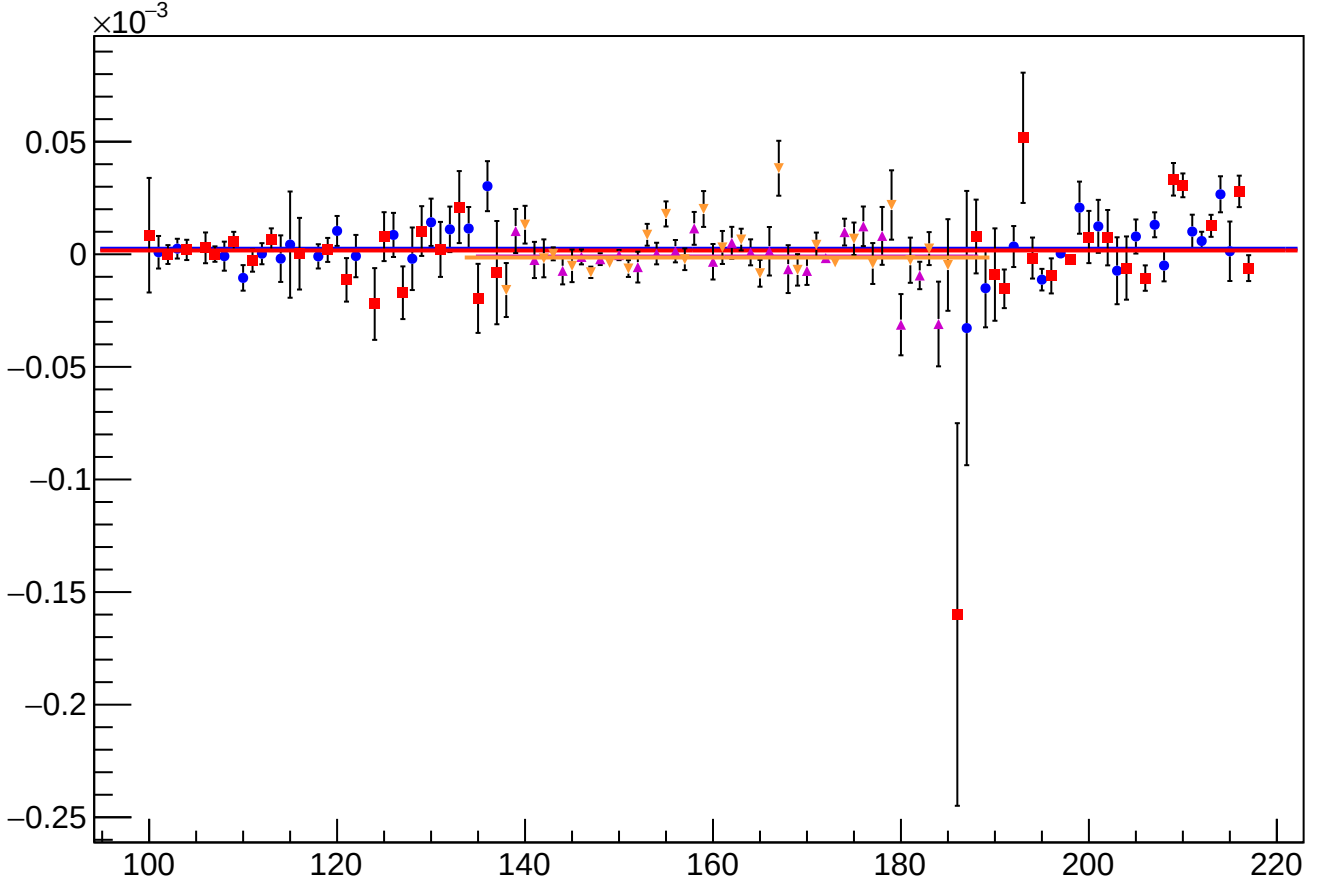
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 98.077+/-0.013 χ^2/NDF: 15933164.0/55

All: 98.688+/-0.009 χ^2/NDF: 29728959.0/114

- sign 99.292+/-0.013 χ^2/NDF: 13791356.8/58

asym_sam4_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 108.5/35

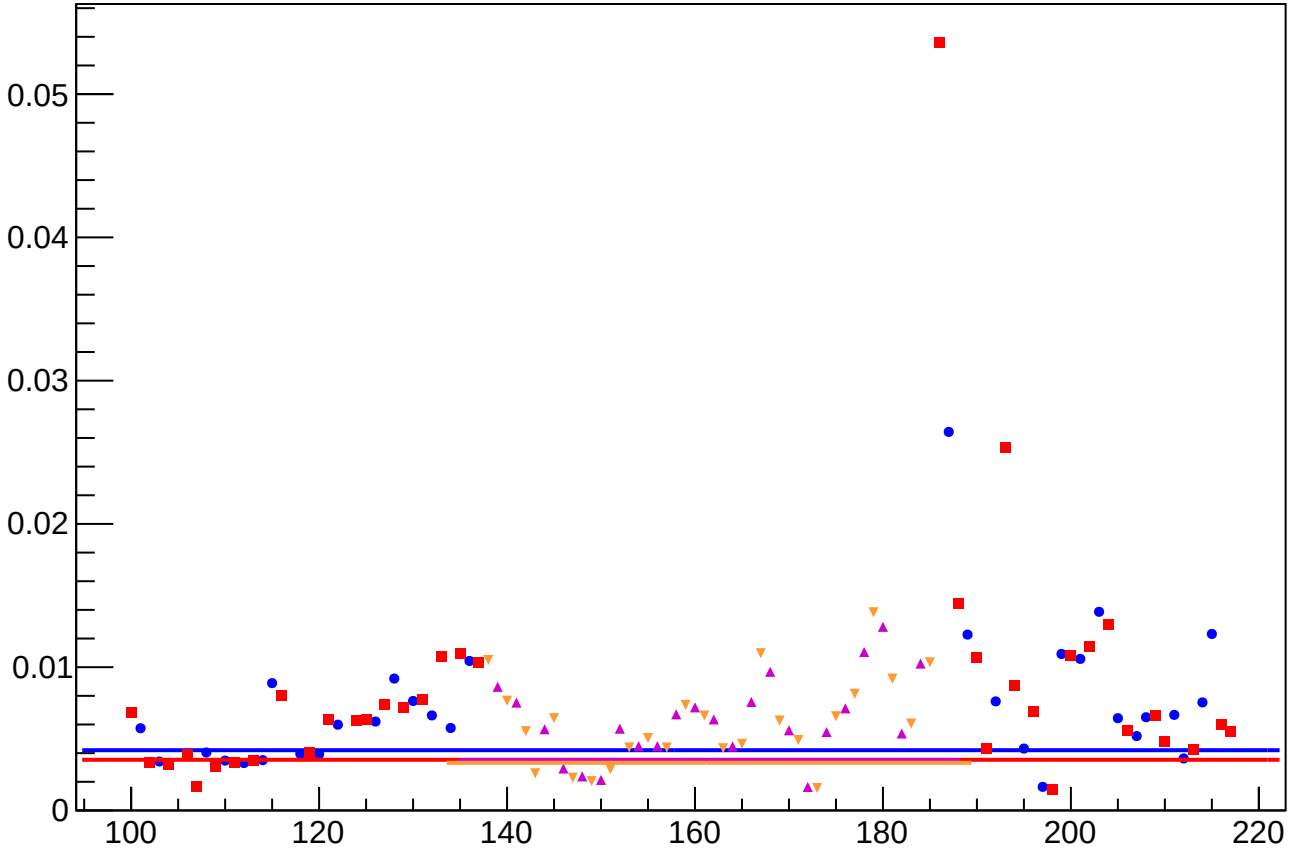
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.4/55

All: 0.000+/-0.000 χ^2/NDF: 252.2/114

- sign 0.000+/-0.000 χ^2/NDF: 136.7/58

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 9454718.3/30

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13803288.6/35

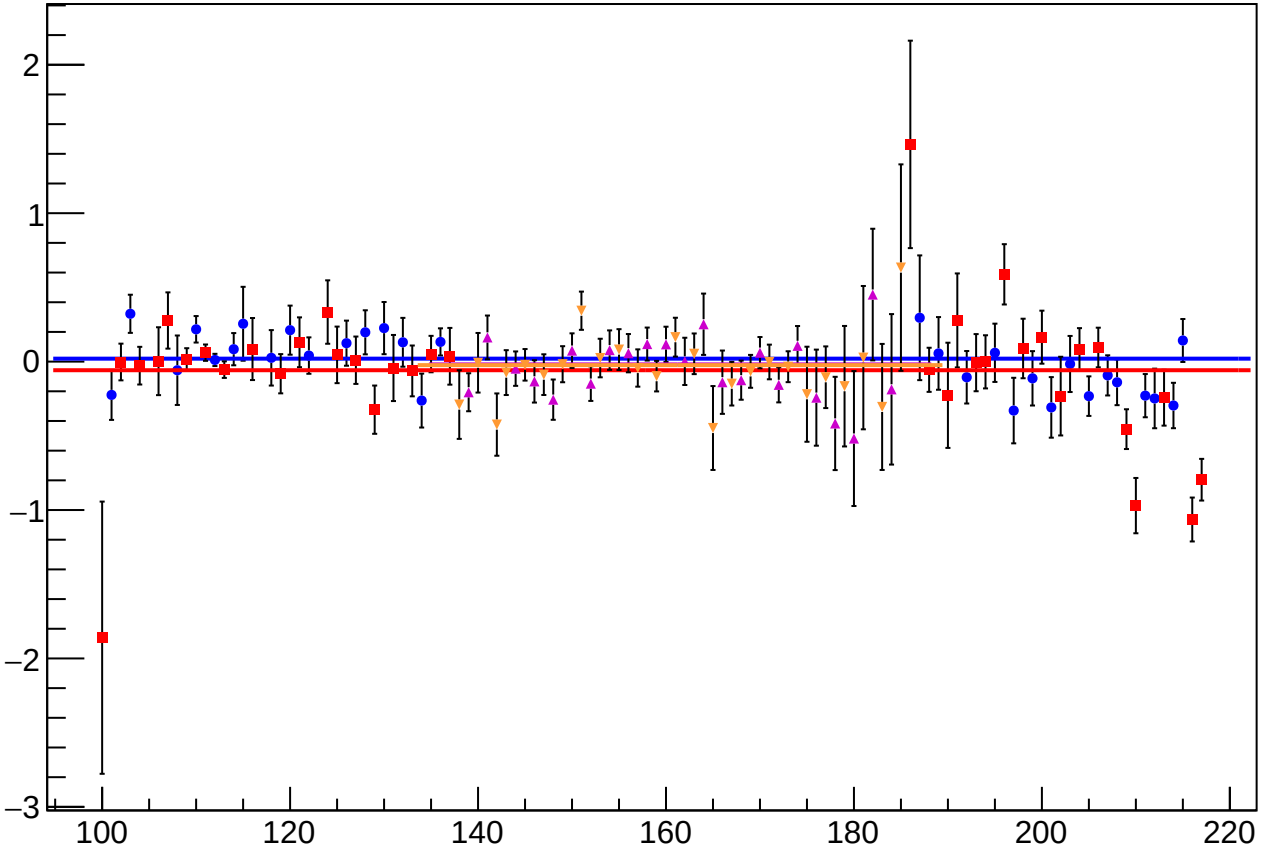
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 20667732.3/55

All: 0.004+/-0.000 χ^2/NDF: 43934404.3/114

- sign 0.004+/-0.000 χ^2/NDF: 23229923.0/58

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

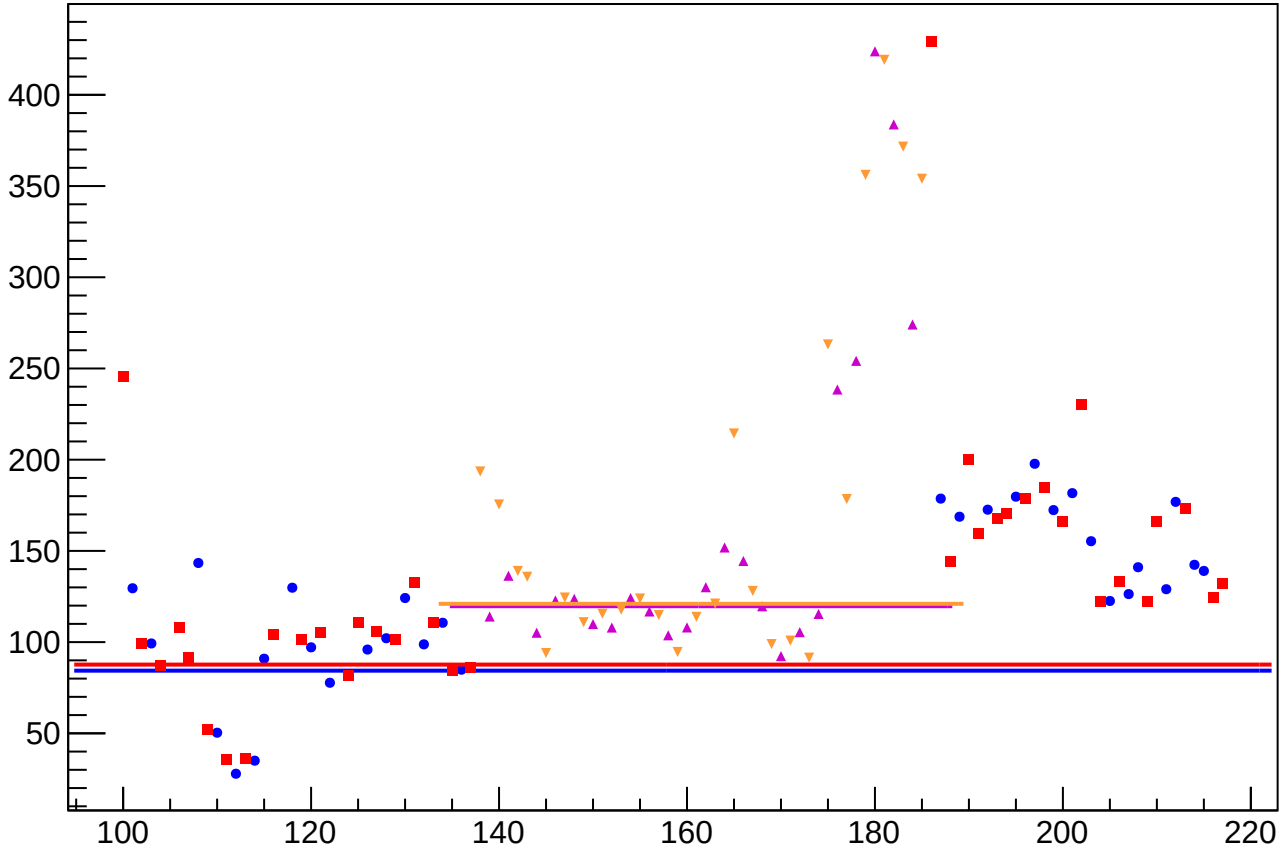
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.004+/-0.018 χ^2/NDF: 68.2/55

All: -0.020+/-0.013 χ^2/NDF: 246.6/114

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 84.355+/-0.016 χ^2/NDF: 9959788.7/30

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

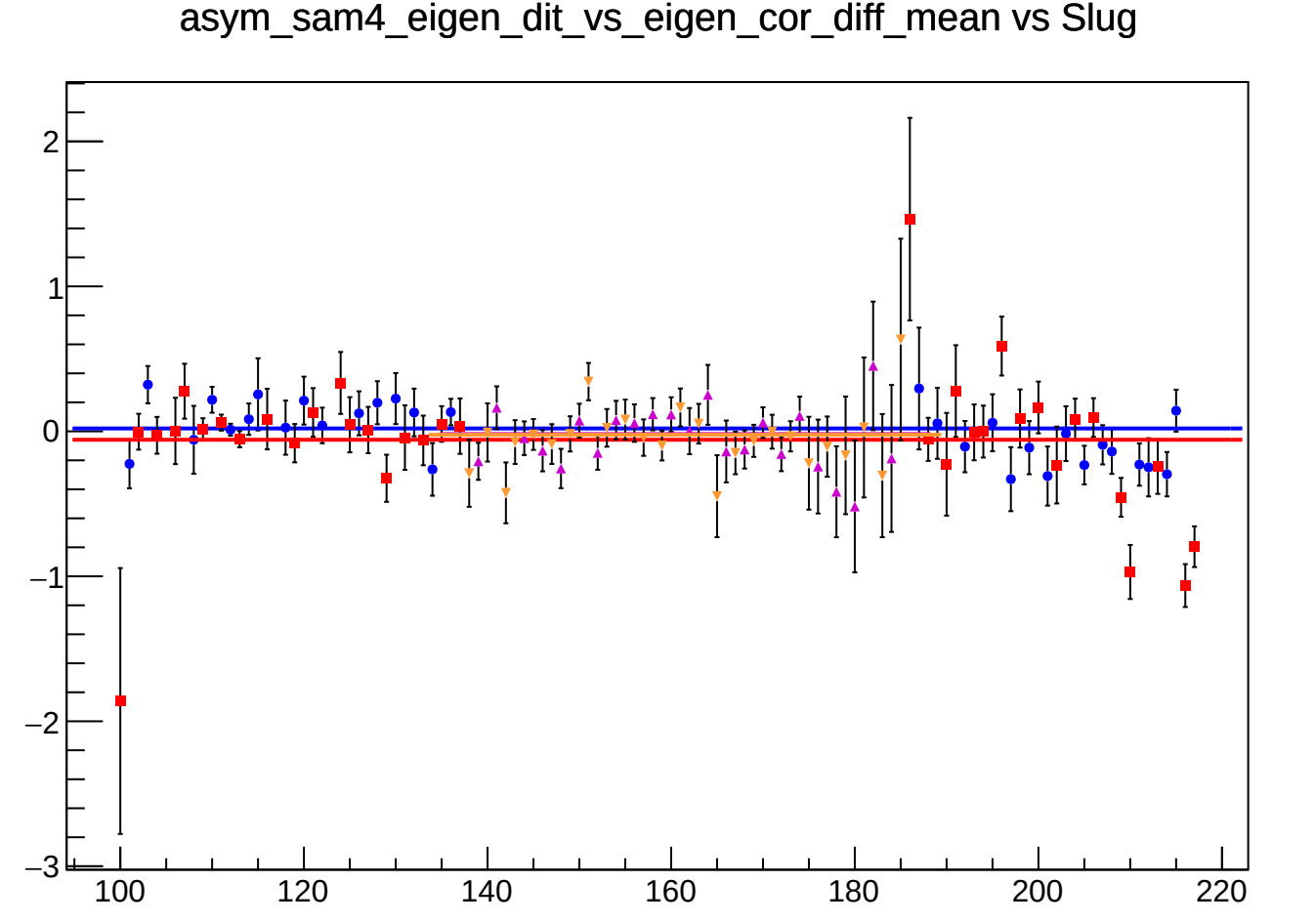
Right Out: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 98.075+/-0.013 χ^2/NDF: 15933969.2/55

All: 98.686+/-0.009 χ^2/NDF: 29730514.3/114

- sign 99.291+/-0.013 χ^2/NDF: 13792104.3/58



Right In: 0.020+/-0.023 χ^2/NDF: 44.7/30

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

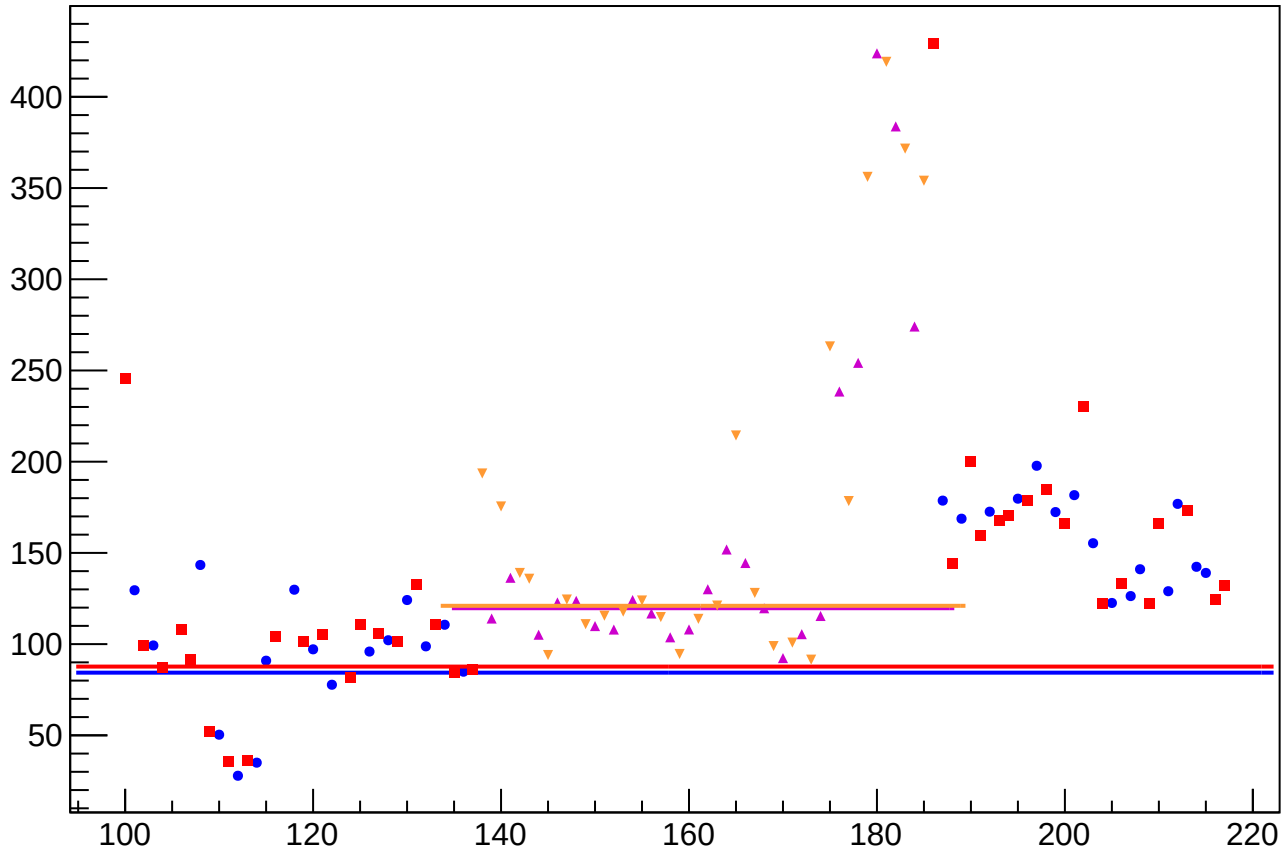
Right Out: -0.058+/-0.023 χ^2/NDF: 150.9/35

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.004+/-0.018 χ^2/NDF: 68.2/55

All: -0.020+/-0.013 χ^2/NDF: 246.6/114

- sign -0.044+/-0.018 χ^2/NDF: 175.0/58



Right In: 84.355+/-0.016 χ^2/NDF: 9959788.7/30

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 87.683+/-0.016 χ^2/NDF: 9525745.8/35

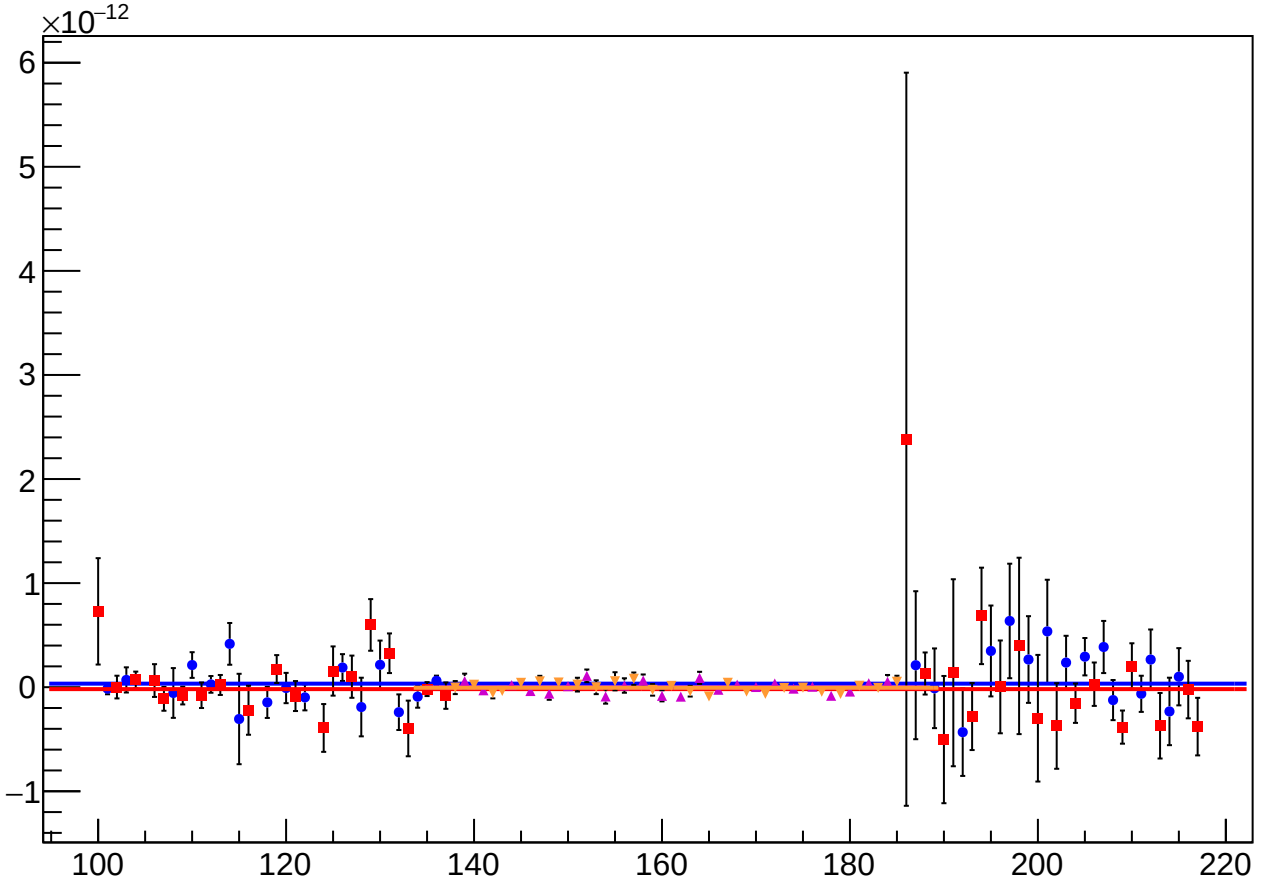
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 98.075+/-0.013 χ^2/NDF: 15933969.2/55

All: 98.686+/-0.009 χ^2/NDF: 29730514.3/114

- sign 99.291+/-0.013 χ^2/NDF: 13792104.3/58

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

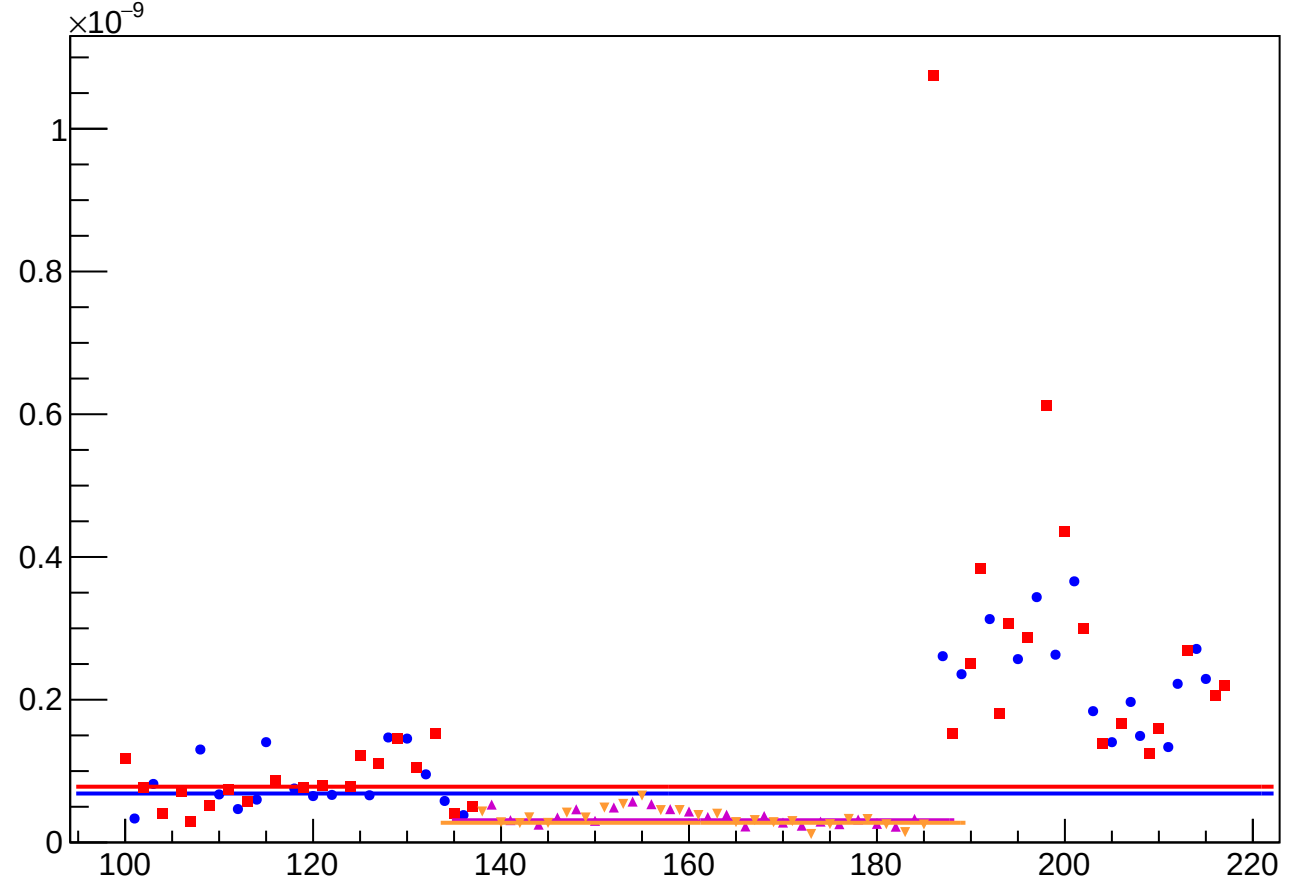
Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/35

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/55

All: -0.000+/-0.000 χ^2/NDF: 120.0/114

- sign -0.000+/-0.000 χ^2/NDF: 67.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 9535503.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9044489.7/35

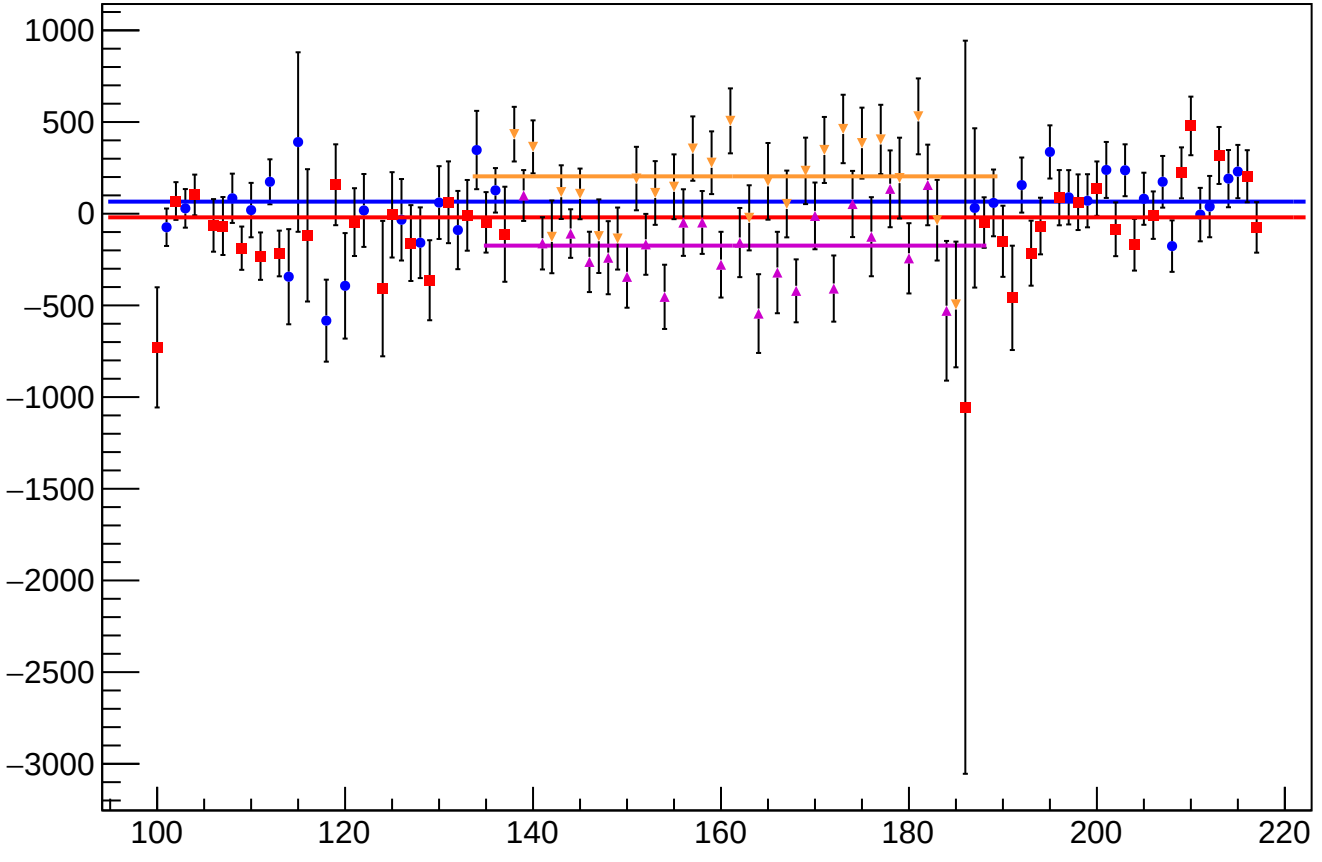
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18229568.0/55

All: 0.000+/-0.000 χ^2/NDF: 35084899.1/114

- sign 0.000+/-0.000 χ^2/NDF: 16571788.0/58

reg_asym_sam5_mean vs Slug



Right In: 65.875+/-28.292 χ^2/NDF: 33.3/30

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.840+/-26.862 χ^2/NDF: 47.0/35

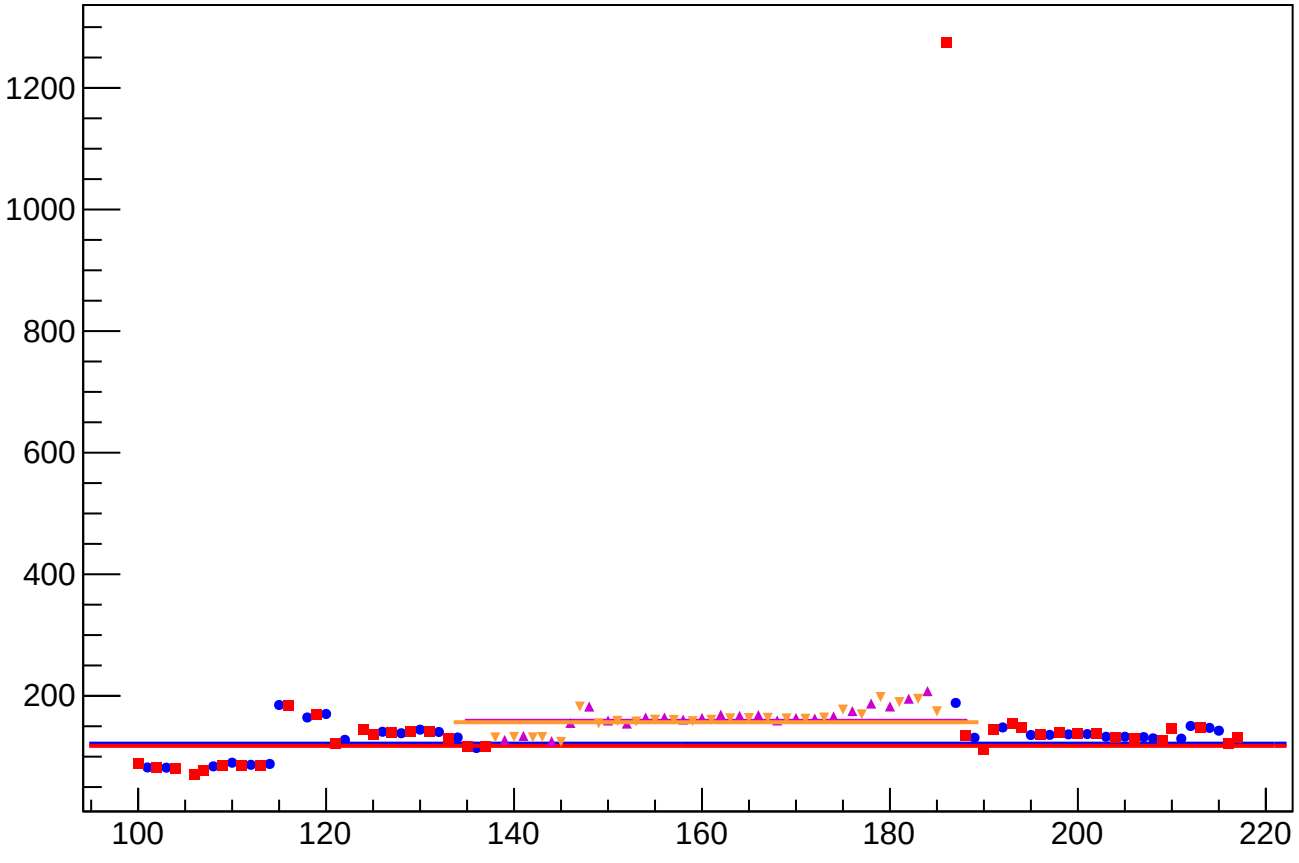
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 118.742+/-22.216 χ^2/NDF: 75.3/55

All: 21.508+/-15.567 χ^2/NDF: 195.6/114

- sign -72.285+/-21.819 χ^2/NDF: 82.7/58

reg_asym_sam5_rms vs Slug



Right In: 121.418+/-0.020 χ^2/NDF: 1675312.8/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 117.758+/-0.019 χ^2/NDF: 2746493.0/35

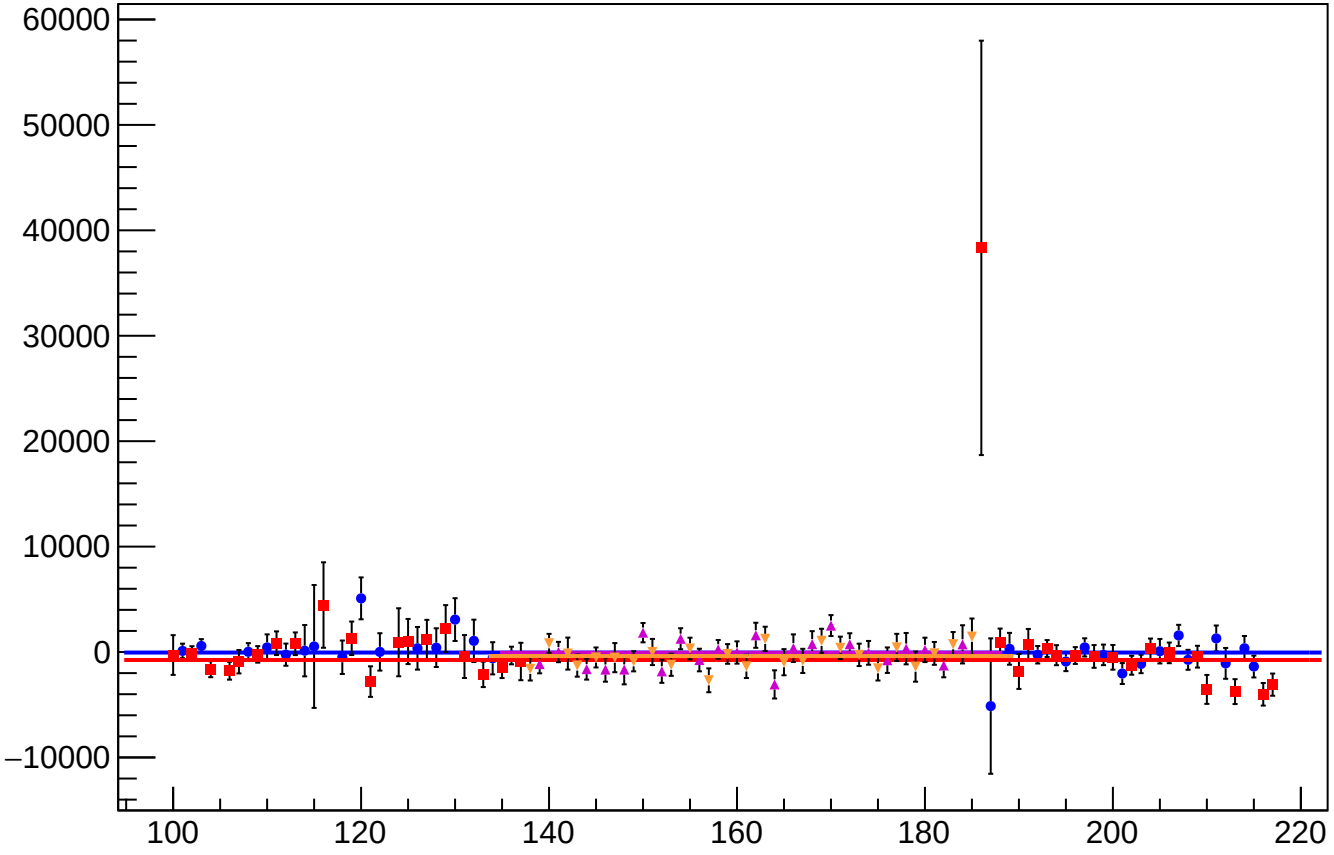
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.922+/-0.016 χ^2/NDF: 3446093.8/55

All: 133.320+/-0.011 χ^2/NDF: 8324670.5/114

- sign 131.774+/-0.015 χ^2/NDF: 4858140.2/58

asym_sam5_reg_correction_mean vs Slug



Right In: -48.921+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -753.782+/-188.031 χ^2/NDF: 55.6/35

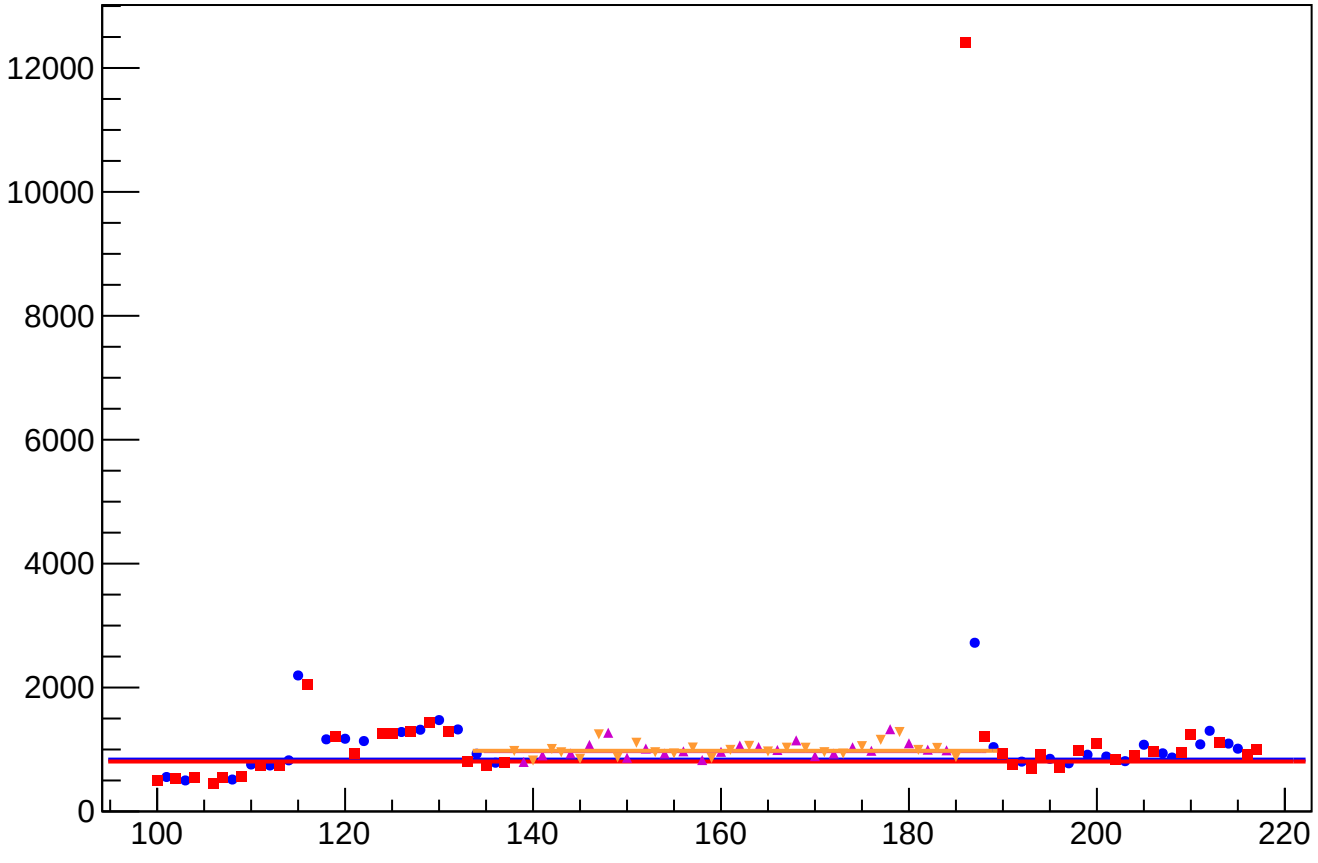
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -195.383+/-149.199 χ^2/NDF: 45.1/55

All: -341.926+/-104.175 χ^2/NDF: 140.8/114

- sign -481.332+/-145.521 χ^2/NDF: 93.9/58

asym_sam5_reg_correction_rms vs Slug



Right In: 837.001+/-0.141 χ^2/NDF: 2868593.3/30

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 805.895+/-0.133 χ^2/NDF: 3935397.1/35

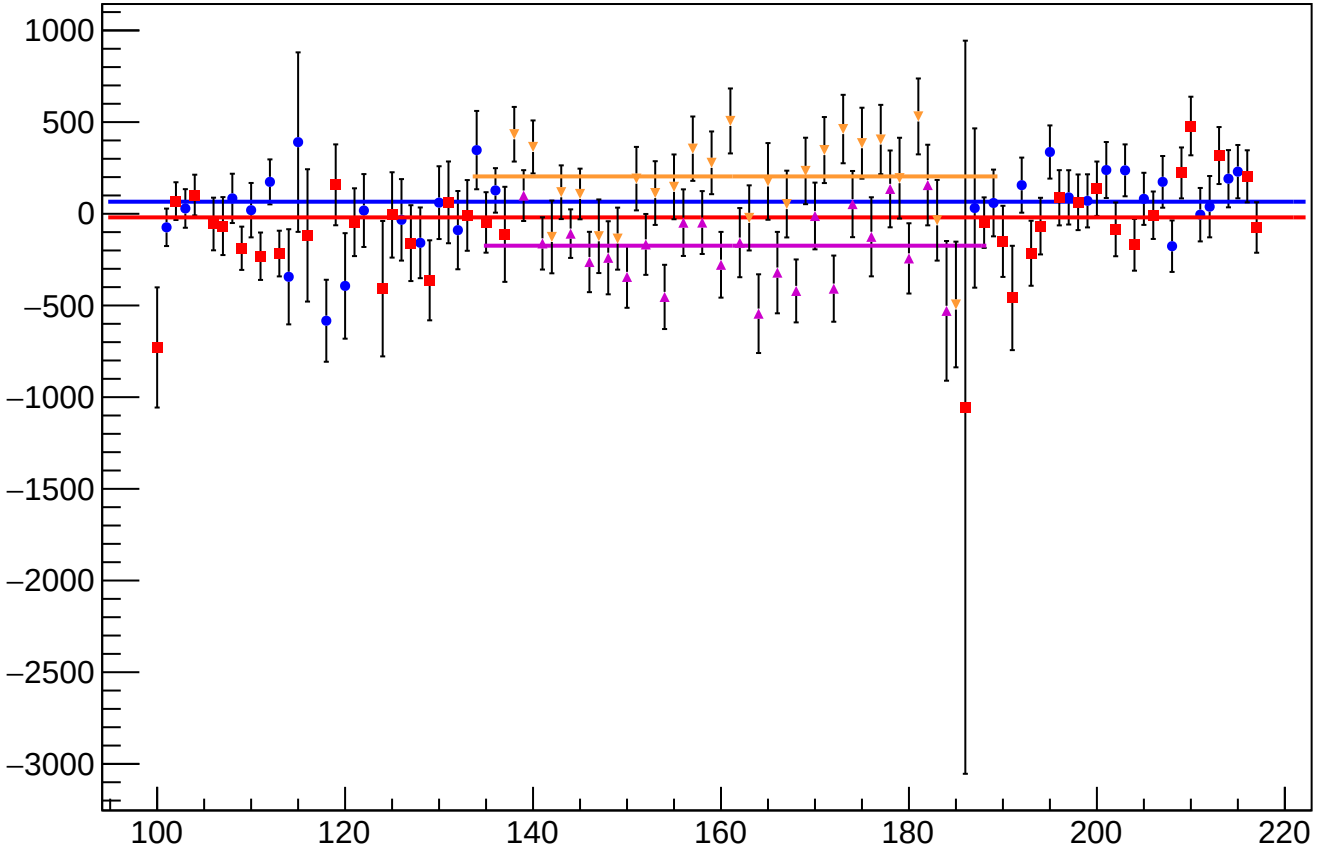
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 899.737+/-0.105 χ^2/NDF: 3745789.9/55

All: 886.158+/-0.074 χ^2/NDF: 8851839.7/114

- sign 873.240+/-0.103 χ^2/NDF: 5073723.6/58

cor_asym_sam5_mean vs Slug



Right In: 65.873+/-28.292 χ^2/NDF: 33.3/30

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.574+/-26.863 χ^2/NDF: 46.9/35

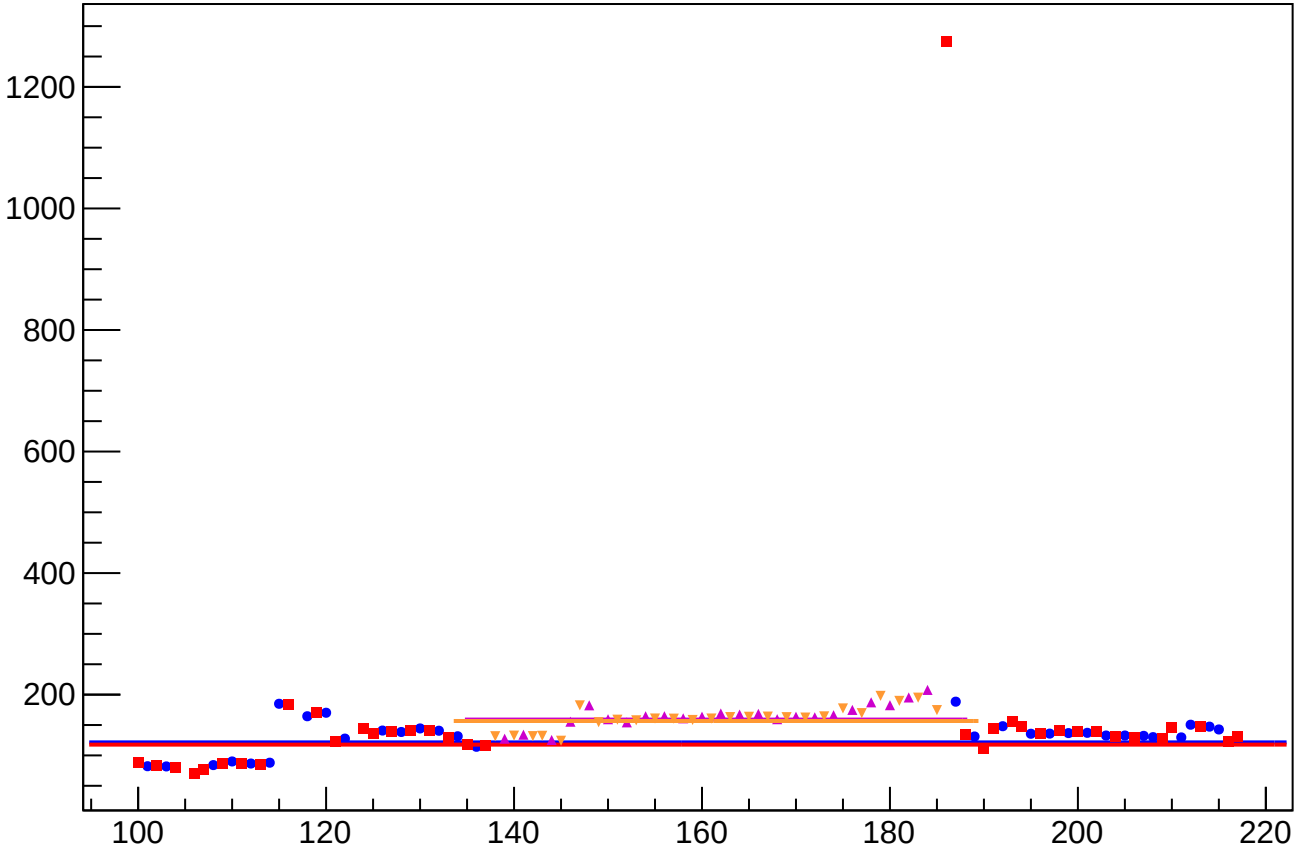
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.743+/-22.216 χ^2/NDF: 75.3/55

All: 21.598+/-15.567 χ^2/NDF: 195.6/114

- sign -72.113+/-21.819 χ^2/NDF: 82.7/58

cor_asym_sam5_rms vs Slug



Right In: 121.418+/-0.020 χ^2/NDF: 1675311.4/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

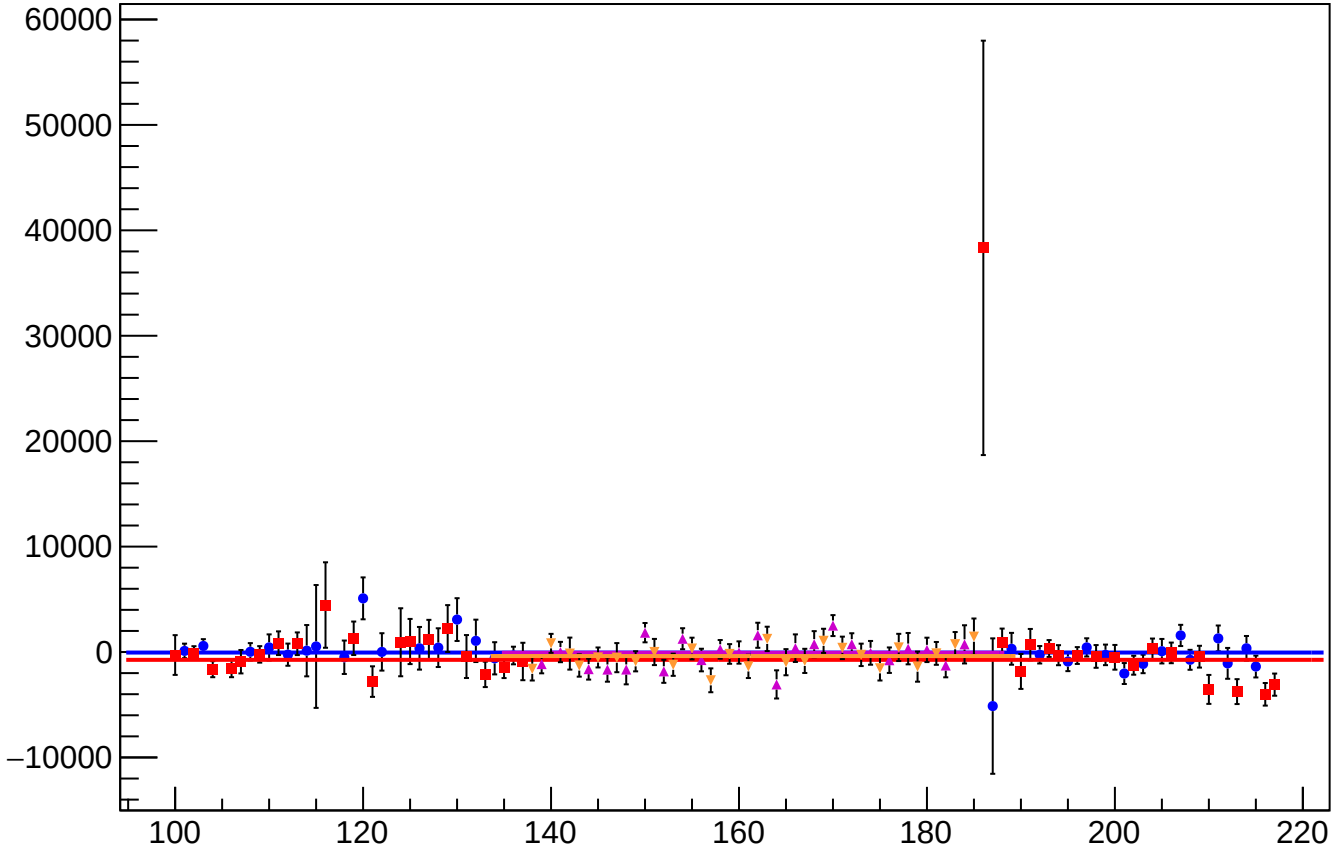
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.922+/-0.016 χ^2/NDF: 3446091.8/55

All: 133.316+/-0.011 χ^2/NDF: 8328879.3/114

- sign 131.768+/-0.015 χ^2/NDF: 4862268.2/58

asym_sam5_cor_correction_mean vs Slug



Right In: -48.918+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -741.374+/-188.092 χ^2/NDF: 55.0/35

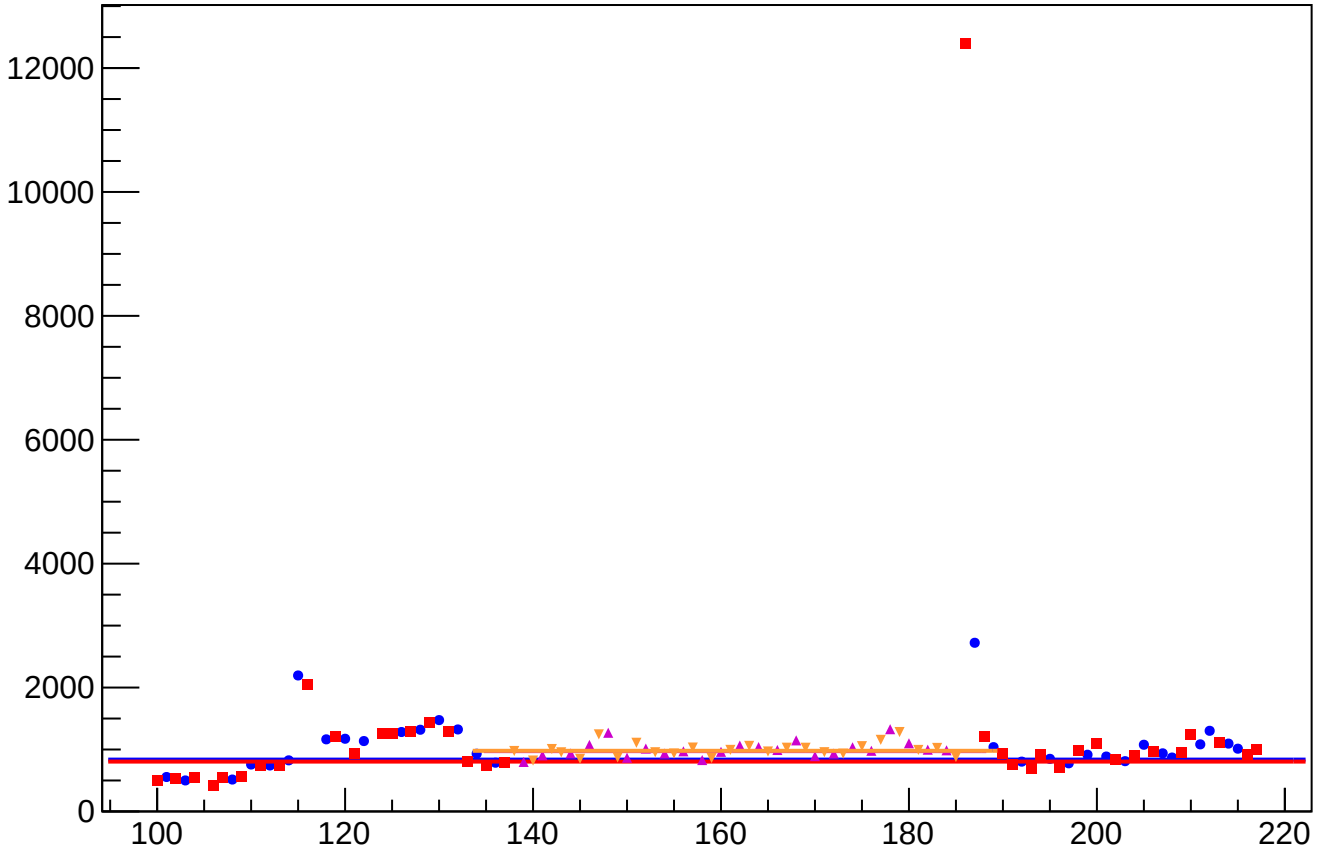
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.377+/-149.199 χ^2/NDF: 45.1/55

All: -338.034+/-104.185 χ^2/NDF: 139.9/114

- sign -473.797+/-145.549 χ^2/NDF: 93.1/58

asym_sam5_cor_correction_rms vs Slug



Right In: 837.001+/-0.141 χ^2/NDF: 2868596.8/30

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

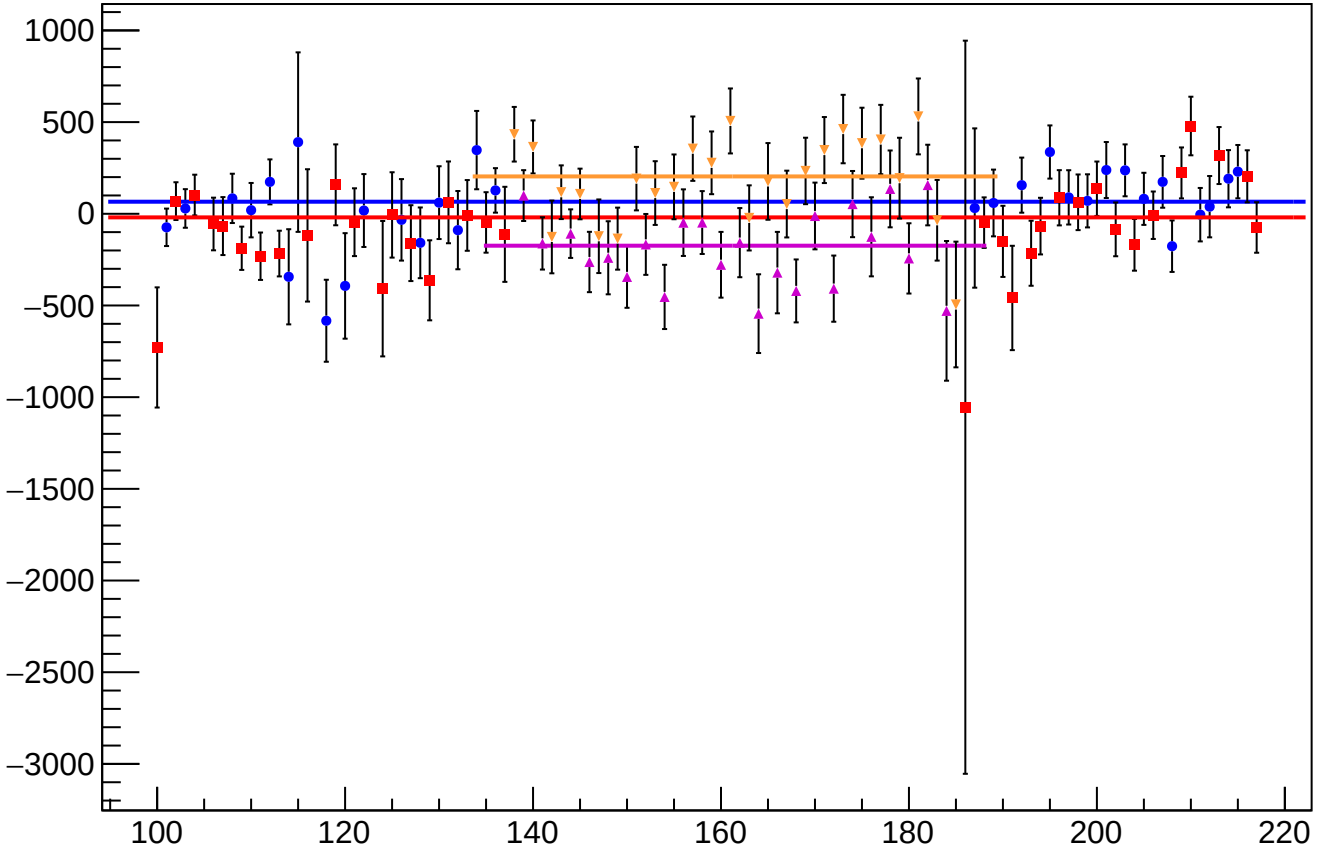
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 899.737+/-0.105 χ^2/NDF: 3745794.5/55

All: 885.880+/-0.074 χ^2/NDF: 8905090.9/114

- sign 872.694+/-0.103 χ^2/NDF: 5125628.8/58

eigen_cor_asym_sam5_mean vs Slug



Right In: 65.873+/-28.292 χ^2/NDF: 33.3/30

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -19.574+/-26.863 χ^2/NDF: 46.9/35

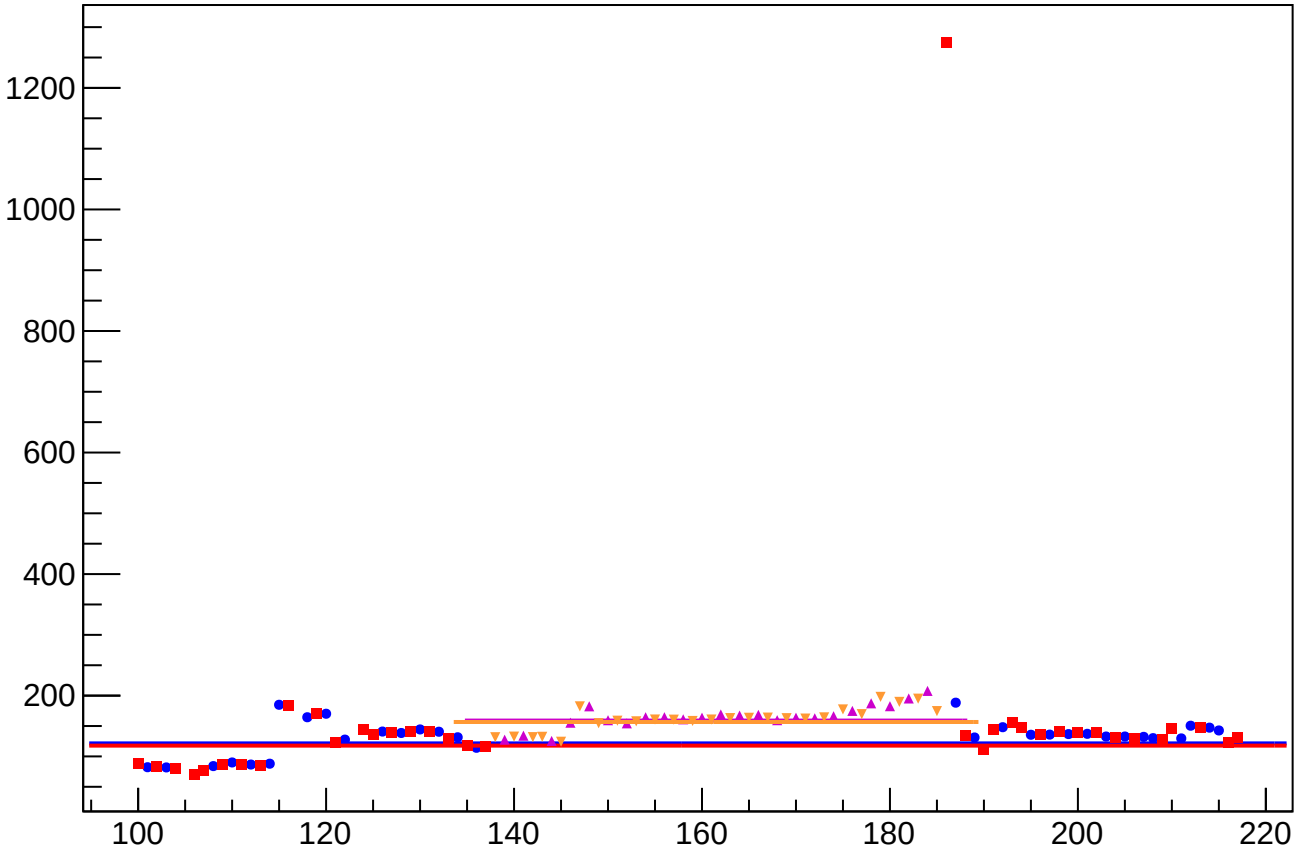
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 118.743+/-22.216 χ^2/NDF: 75.3/55

All: 21.598+/-15.567 χ^2/NDF: 195.6/114

- sign -72.113+/-21.819 χ^2/NDF: 82.7/58

eigen_cor_asym_sam5_rms vs Slug



Right In: 121.418+/-0.020 χ^2/NDF: 1675311.4/30

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.747+/-0.019 χ^2/NDF: 2749828.2/35

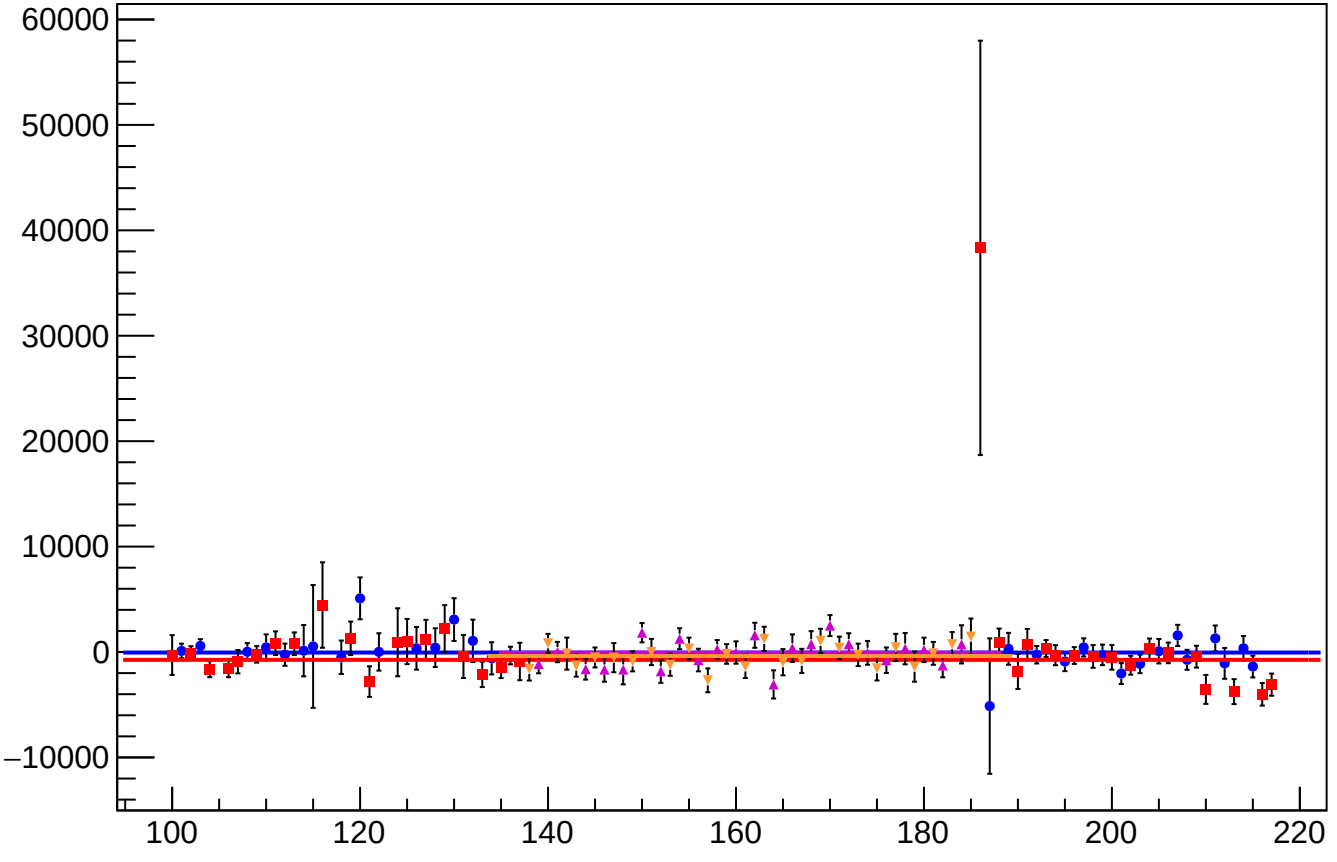
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.922+/-0.016 χ^2/NDF: 3446091.8/55

All: 133.316+/-0.011 χ^2/NDF: 8328879.3/114

- sign 131.768+/-0.015 χ^2/NDF: 4862268.2/58

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -48.918+/-199.636 χ^2/NDF: 25.1/30

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -741.374+/-188.092 χ^2/NDF: 55.0/35

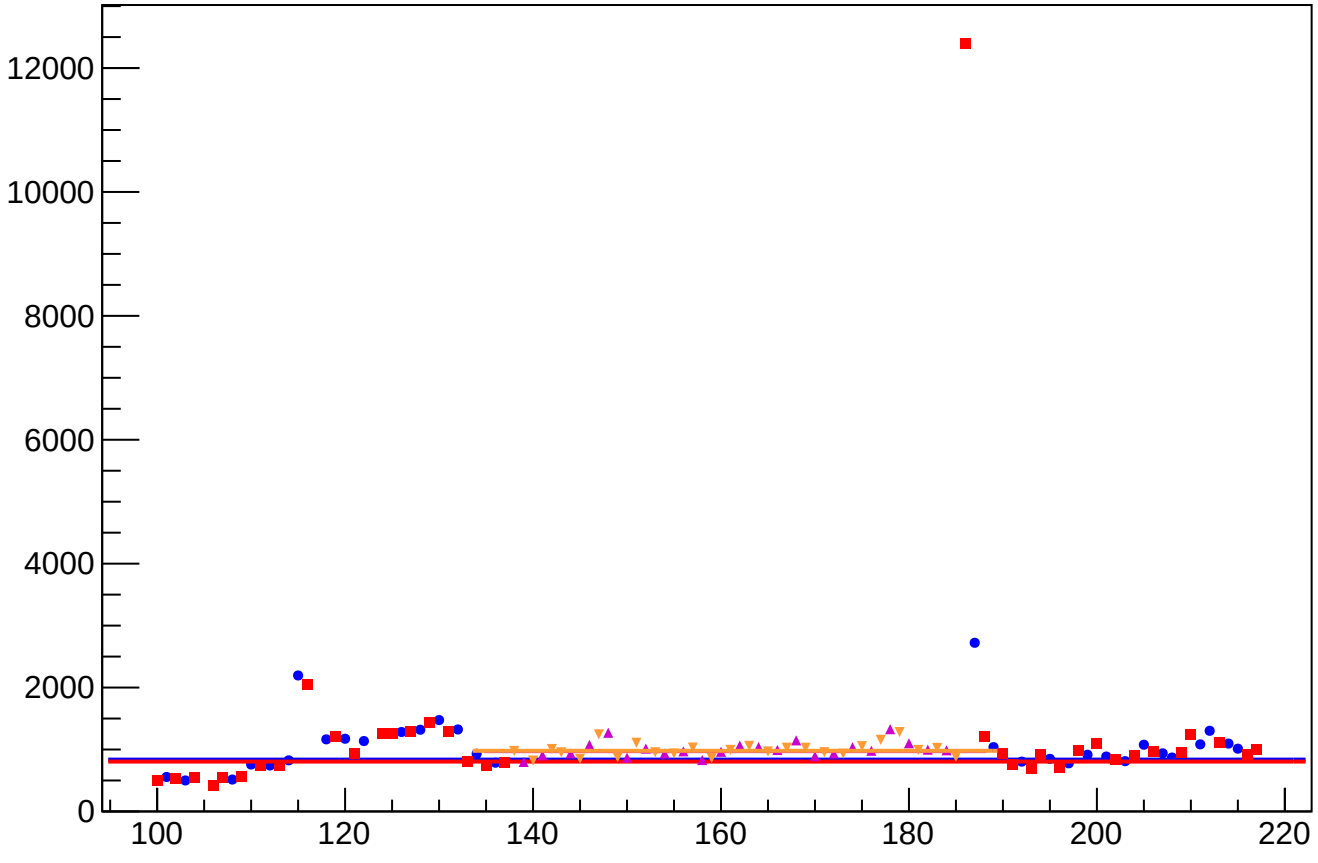
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -195.377+/-149.199 χ^2/NDF: 45.1/55

All: -338.034+/-104.185 χ^2/NDF: 139.9/114

- sign -473.797+/-145.549 χ^2/NDF: 93.1/58

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 837.001+/-0.141 χ^2/NDF: 2868596.8/30

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

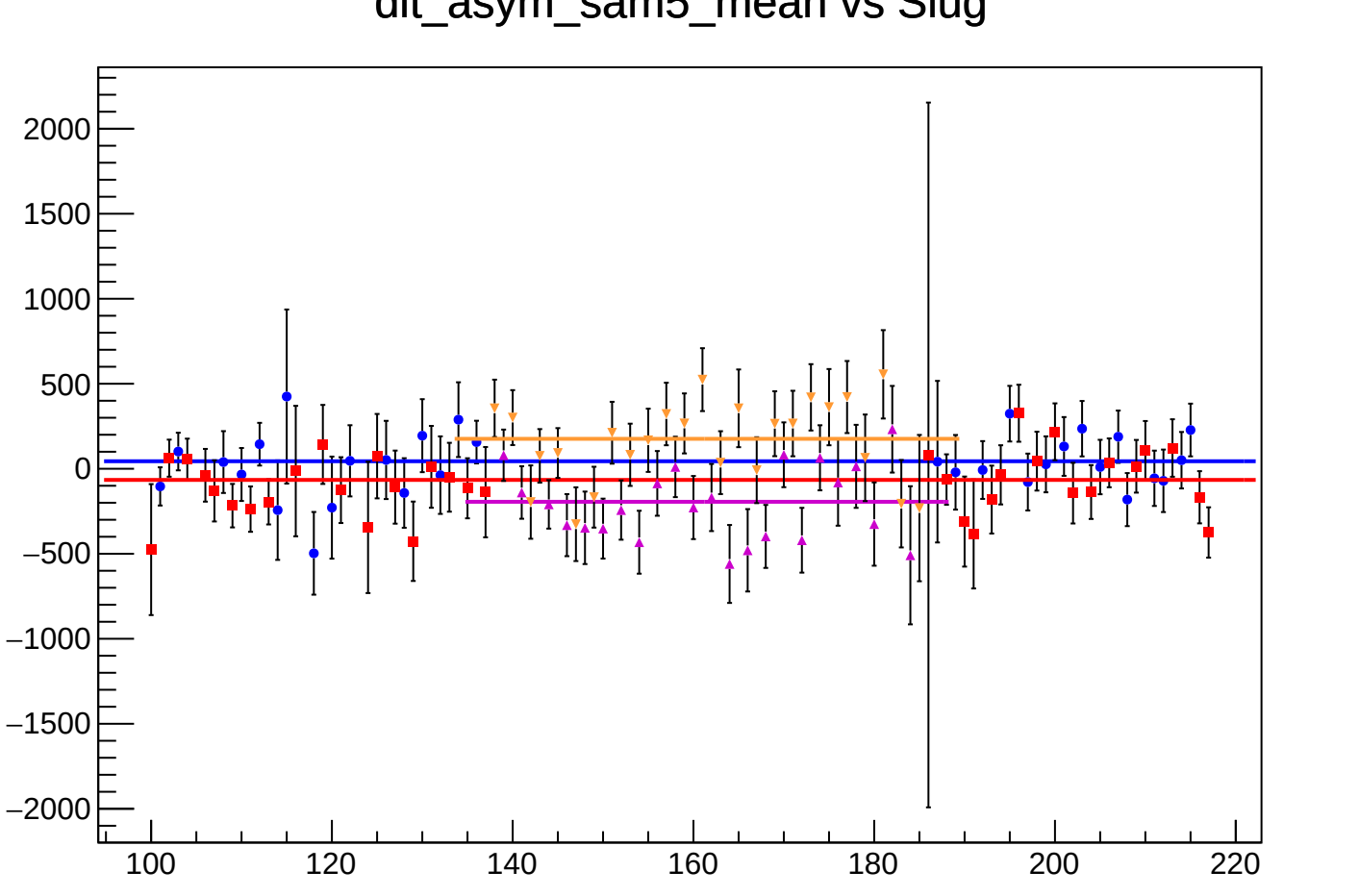
Right Out: 804.939+/-0.133 χ^2/NDF: 3980160.9/35

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 899.737+/-0.105 χ^2/NDF: 3745794.5/55

All: 885.880+/-0.074 χ^2/NDF: 8905090.9/114

- sign 872.694+/-0.103 χ^2/NDF: 5125628.8/58



Right In: 44.192+/-31.029 χ^2/NDF: 24.2/30

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -65.717+/-29.382 χ^2/NDF: 31.3/35

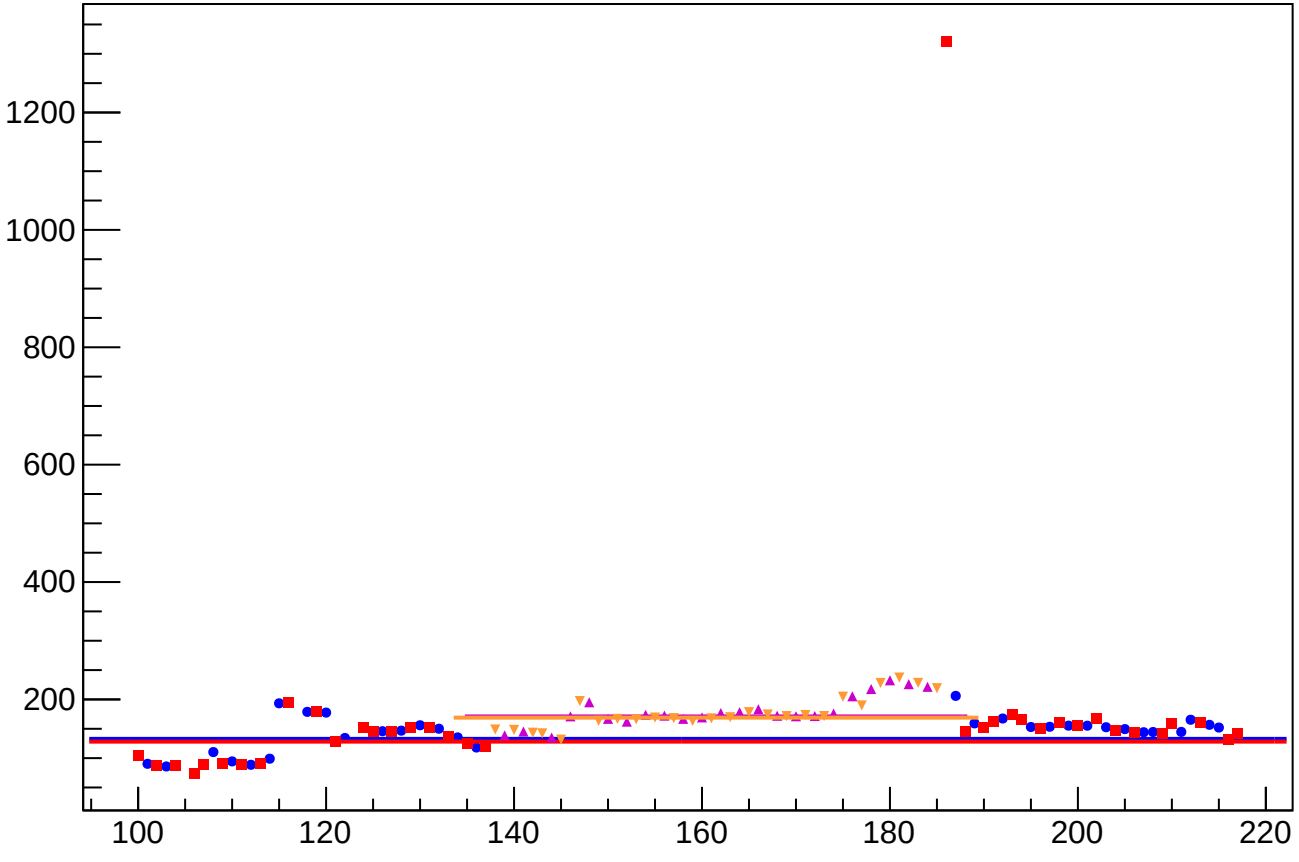
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 95.551+/-24.242 χ^2/NDF: 62.0/55

All: -9.412+/-16.968 χ^2/NDF: 160.5/114

- sign -110.232+/-23.759 χ^2/NDF: 61.7/58

dit_asym_sam5_rms vs Slug



Right In: 132.821+/-0.022 χ^2/NDF: 1806389.5/30

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.128+/-0.021 χ^2/NDF: 3012440.7/35

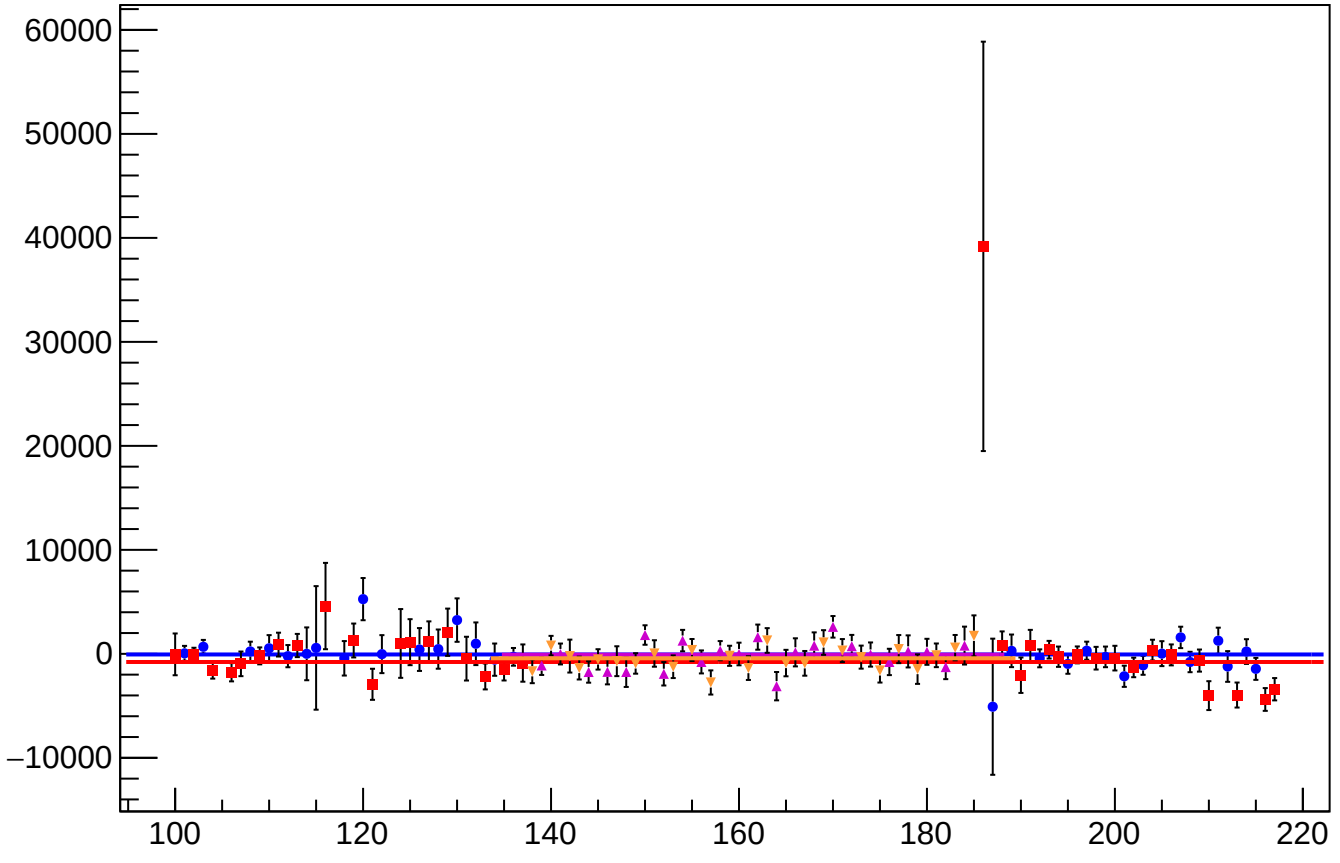
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.920+/-0.017 χ^2/NDF: 3640233.5/55

All: 144.908+/-0.012 χ^2/NDF: 8833119.5/114

- sign 142.975+/-0.017 χ^2/NDF: 5165859.3/58

asym_sam5_dit_correction_mean vs Slug



Right In: -59.962+/-206.318 χ^2/NDF: 25.7/30

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -782.963+/-193.899 χ^2/NDF: 60.6/35

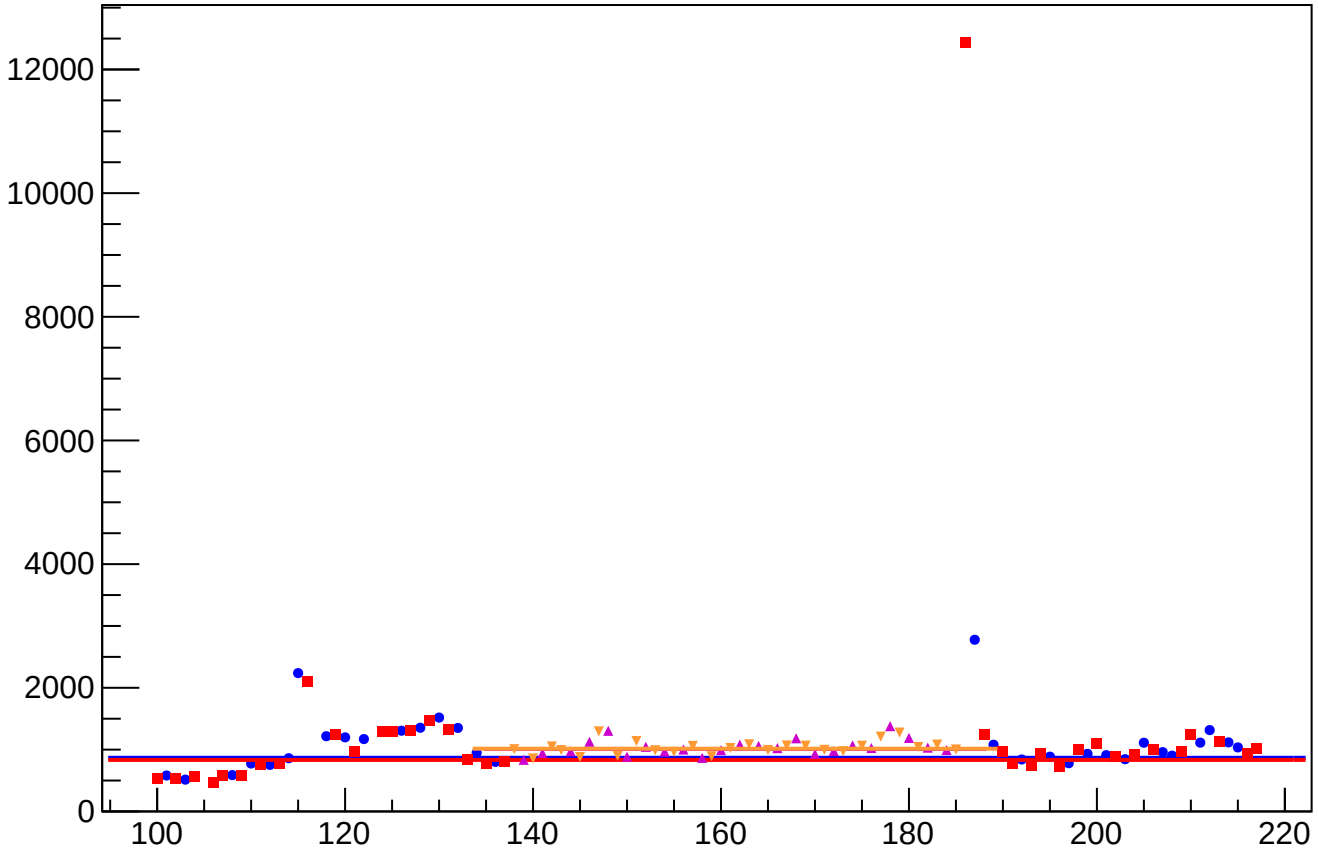
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -221.092+/-154.337 χ^2/NDF: 45.4/55

All: -366.912+/-107.701 χ^2/NDF: 145.3/114

- sign -505.324+/-150.365 χ^2/NDF: 98.1/58

asym_sam5_dit_correction_rms vs Slug



Right In: 867.934+/-0.146 χ^2/NDF: 2689620.9/30

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 833.634+/-0.137 χ^2/NDF: 3774725.7/35

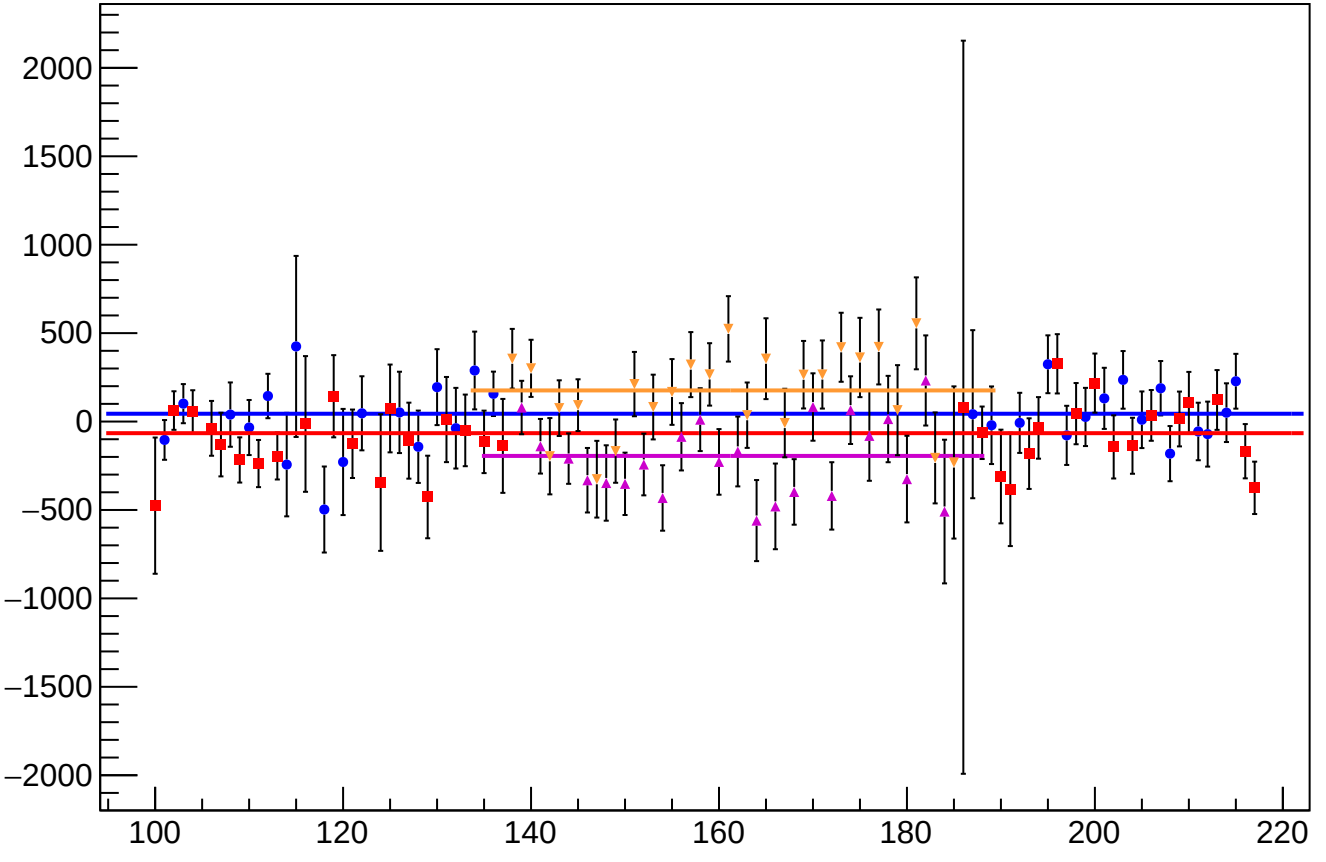
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 932.725+/-0.109 χ^2/NDF: 3535423.2/55

All: 917.890+/-0.076 χ^2/NDF: 8502095.5/114

- sign 903.809+/-0.106 χ^2/NDF: 4930655.2/58

eigen_dit_asym_sam5_mean vs Slug



Right In: 44.192+/-31.029 χ^2/NDF: 24.2/30

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -65.716+/-29.382 χ^2/NDF: 31.3/35

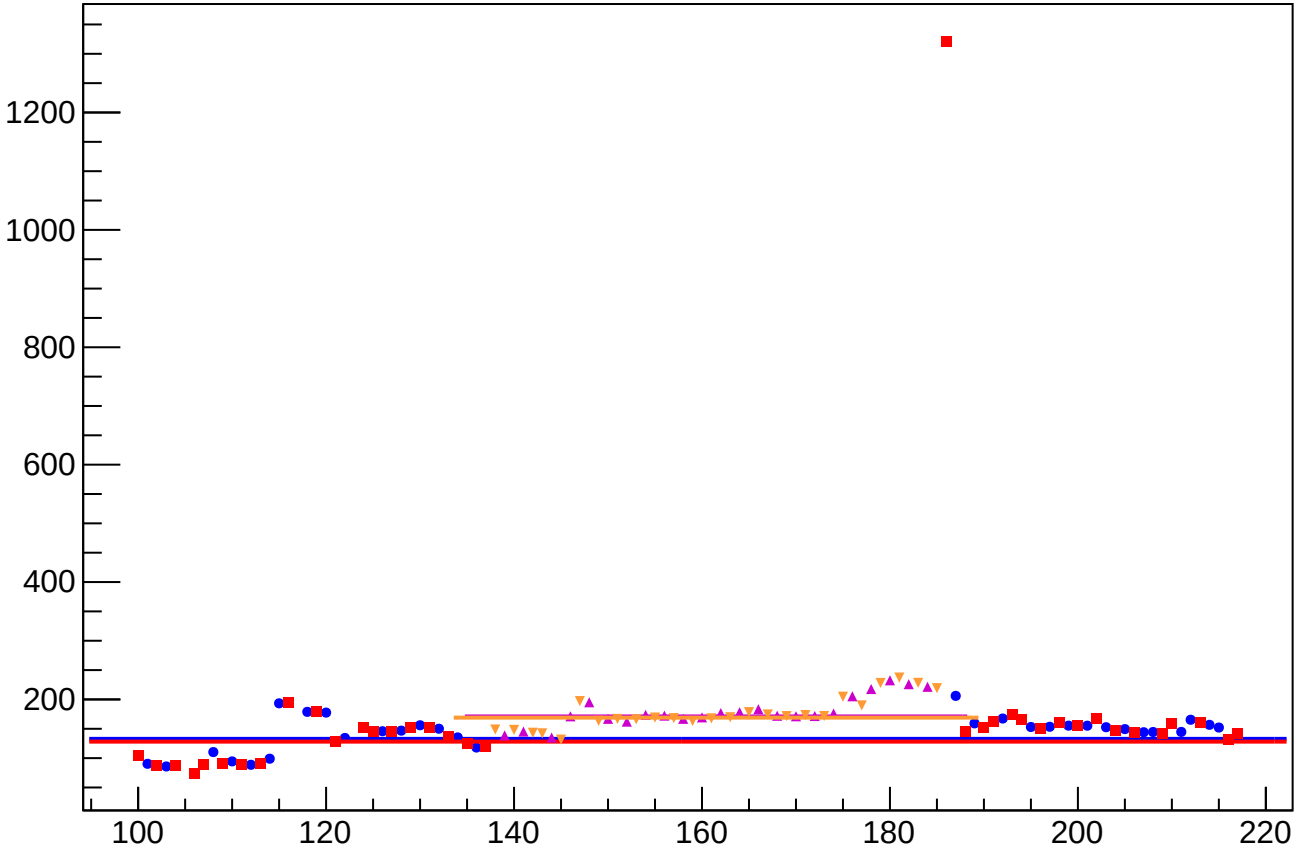
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 95.551+/-24.242 χ^2/NDF: 62.0/55

All: -9.412+/-16.968 χ^2/NDF: 160.5/114

- sign -110.231+/-23.759 χ^2/NDF: 61.7/58

eigen_dit_asym_sam5_rms vs Slug



Right In: 132.820+/-0.022 χ^2/NDF: 1806397.2/30

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.128+/-0.021 χ^2/NDF: 3012441.3/35

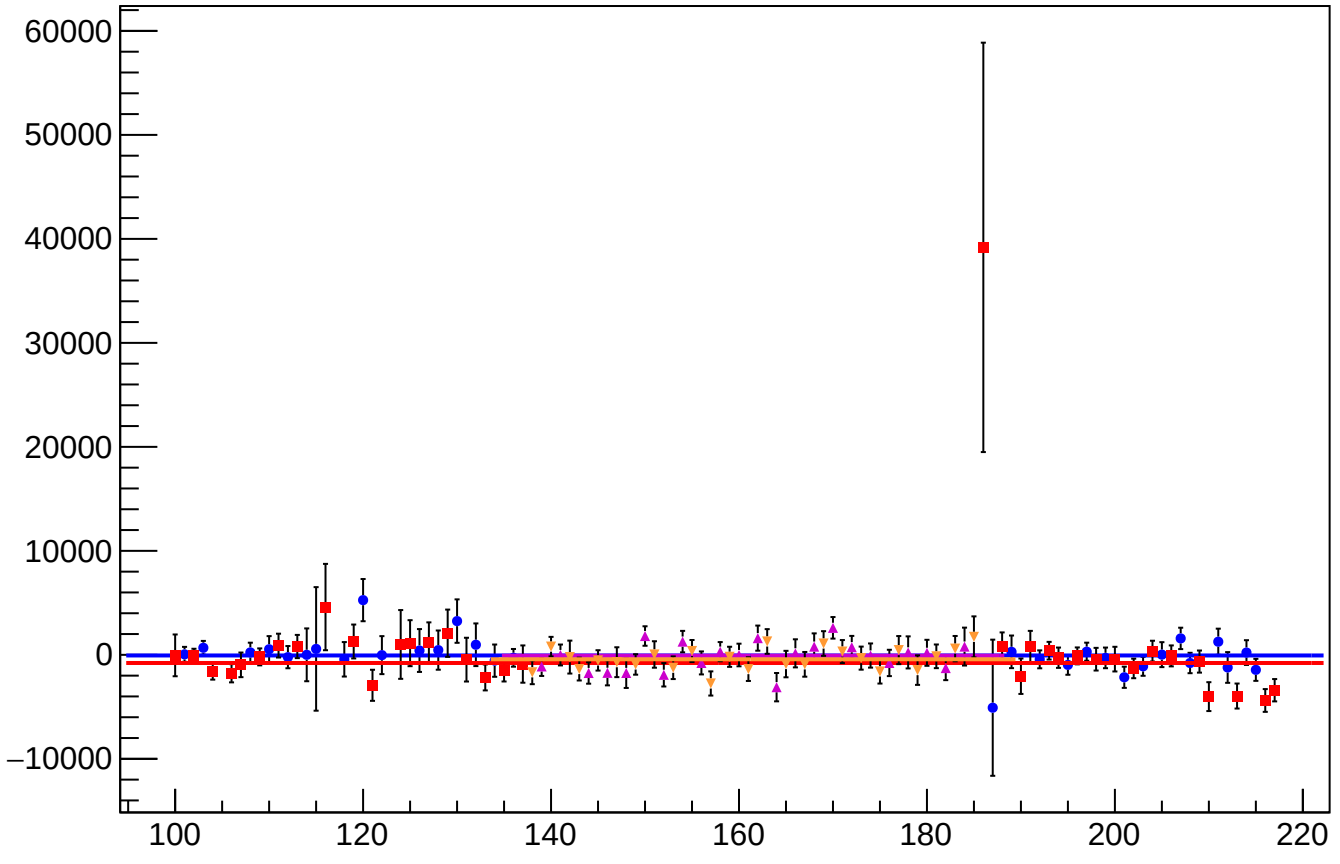
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.920+/-0.017 χ^2/NDF: 3640251.0/55

All: 144.908+/-0.012 χ^2/NDF: 8833160.7/114

- sign 142.974+/-0.017 χ^2/NDF: 5165883.3/58

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -59.961+/-206.318 χ^2/NDF: 25.7/30

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -782.964+/-193.899 χ^2/NDF: 60.6/35

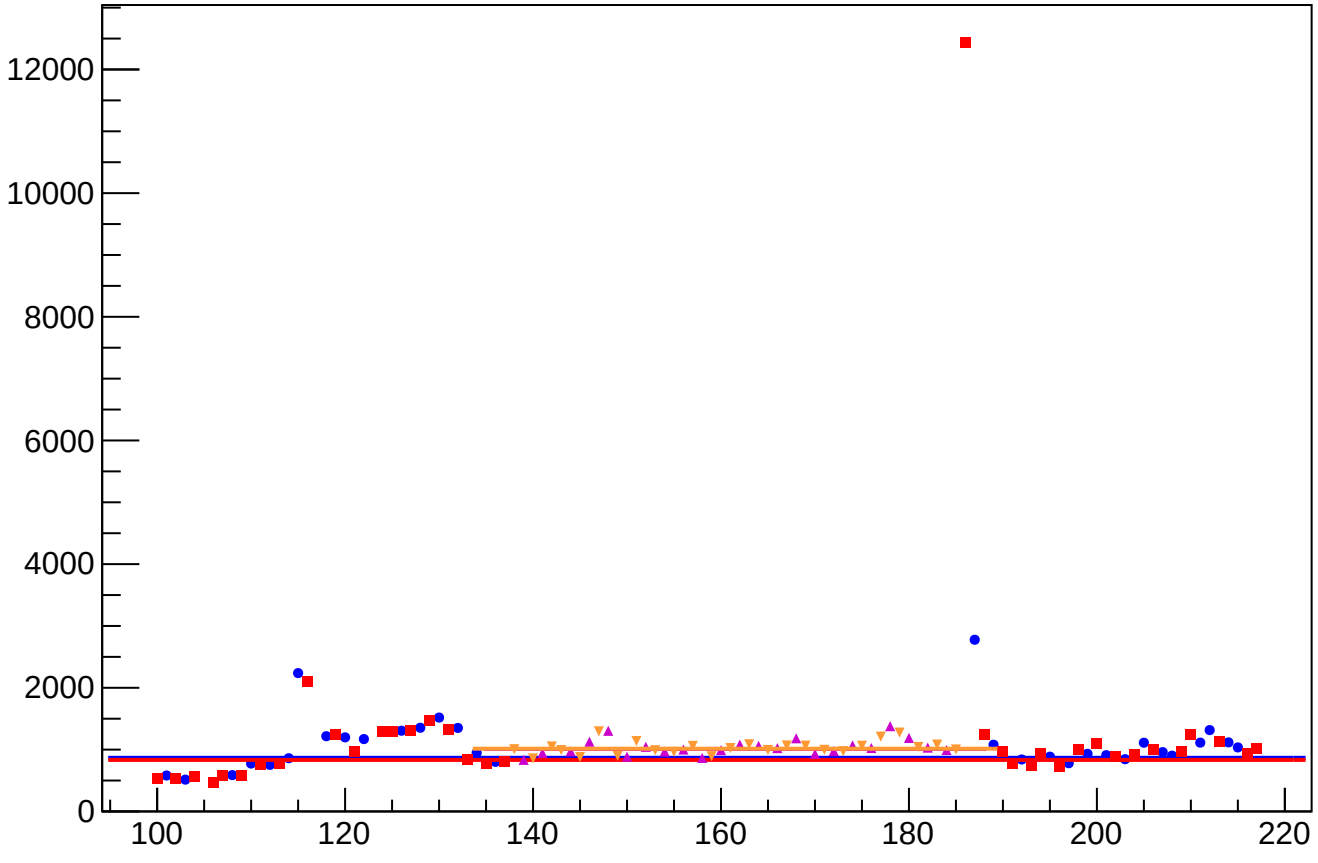
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -221.091+/-154.337 χ^2/NDF: 45.4/55

All: -366.913+/-107.701 χ^2/NDF: 145.3/114

- sign -505.326+/-150.365 χ^2/NDF: 98.1/58

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 867.933+/-0.146 χ^2/NDF: 2689621.3/30

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 833.634+/-0.137 χ^2/NDF: 3774727.7/35

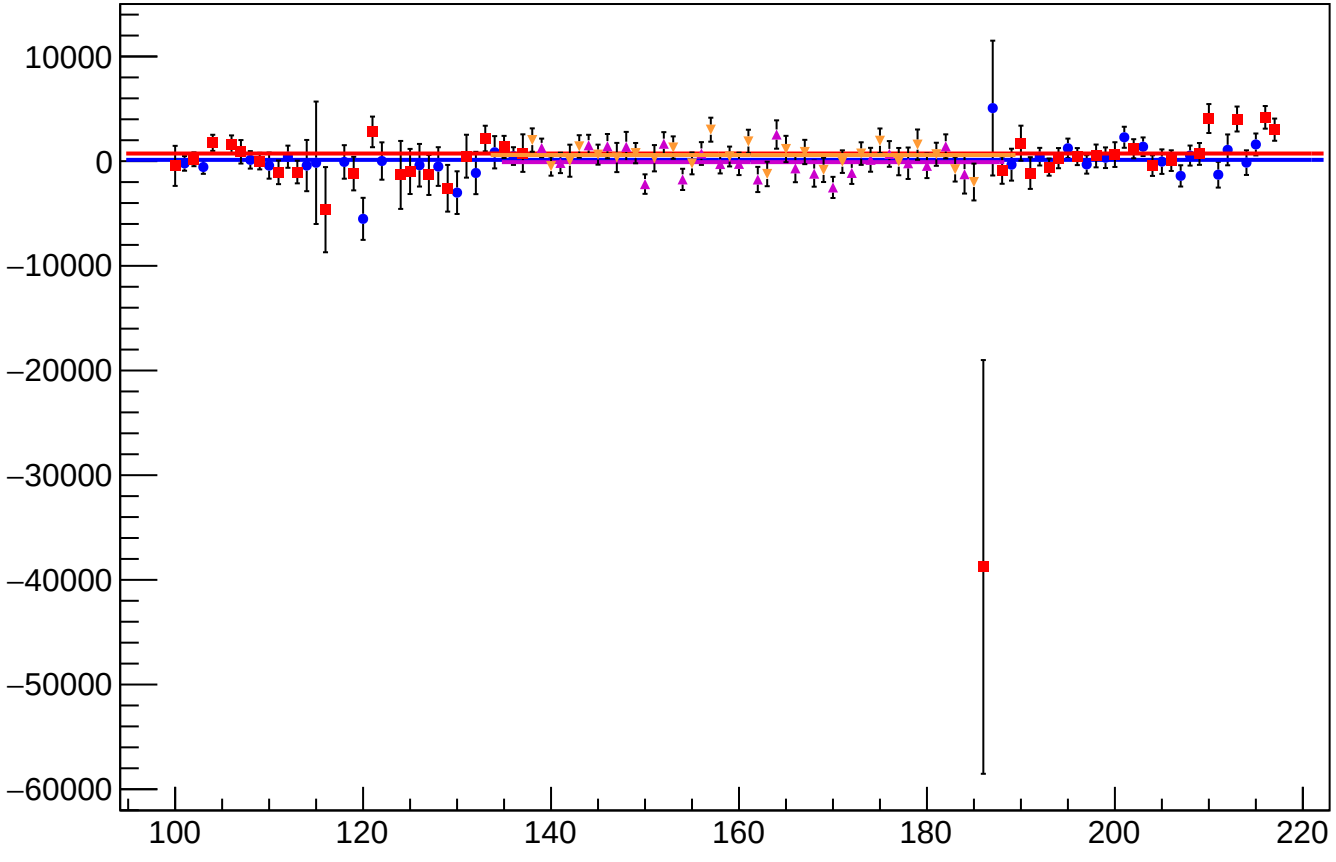
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 932.725+/-0.109 χ^2/NDF: 3535432.1/55

All: 917.890+/-0.076 χ^2/NDF: 8502120.8/114

- sign 903.809+/-0.106 χ^2/NDF: 4930671.3/58

asym_sam5_mean vs Slug



Right In: 123.159+/-201.964 χ^2/NDF: 28.3/30

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 730.157+/-190.374 χ^2/NDF: 61.9/35

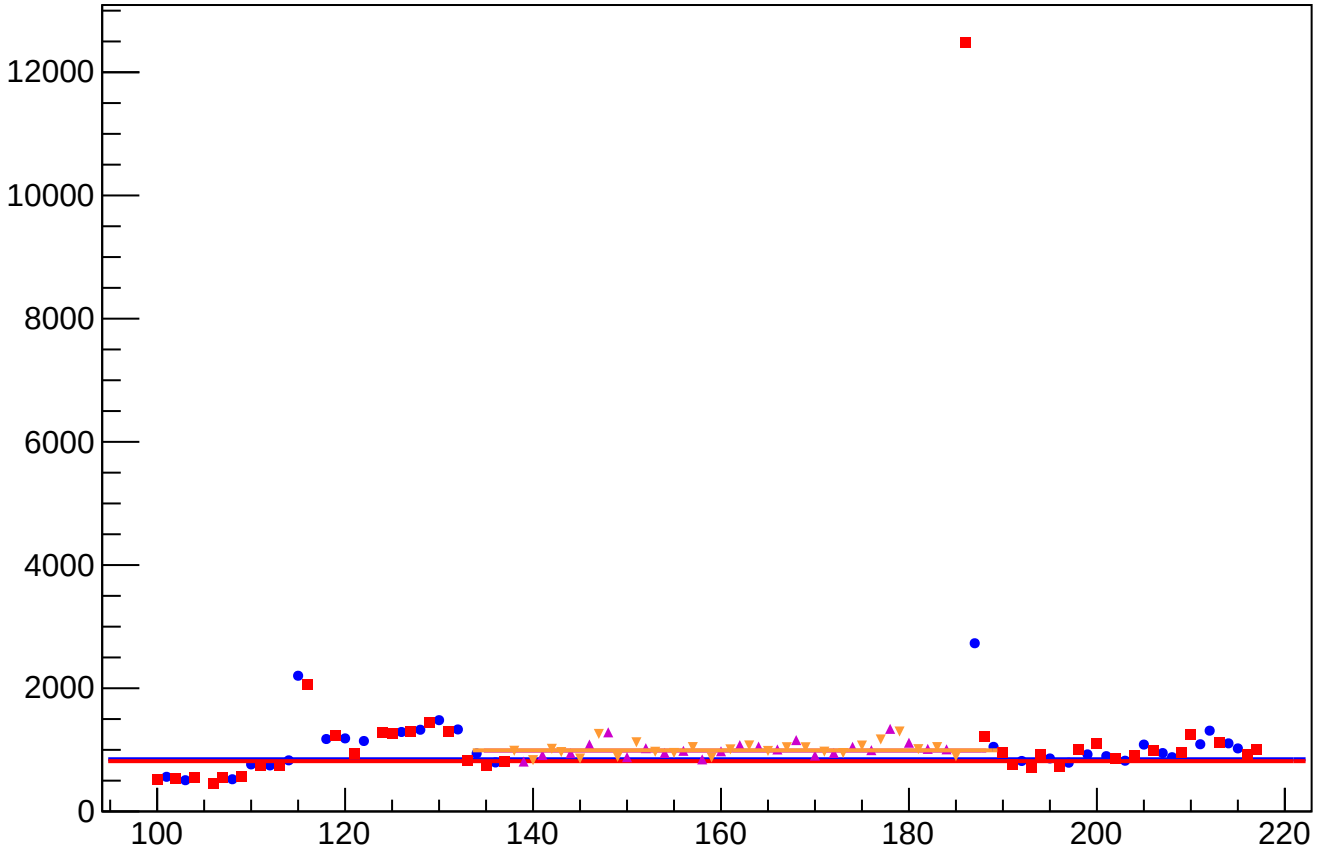
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 327.154+/-151.060 χ^2/NDF: 51.4/55

All: 364.864+/-105.508 χ^2/NDF: 155.4/114

- sign 400.782+/-147.427 χ^2/NDF: 103.9/58

asym_sam5_rms vs Slug



Right In: 847.389+/-0.143 χ^2/NDF: 2832019.4/30

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 816.433+/-0.135 χ^2/NDF: 3893246.5/35

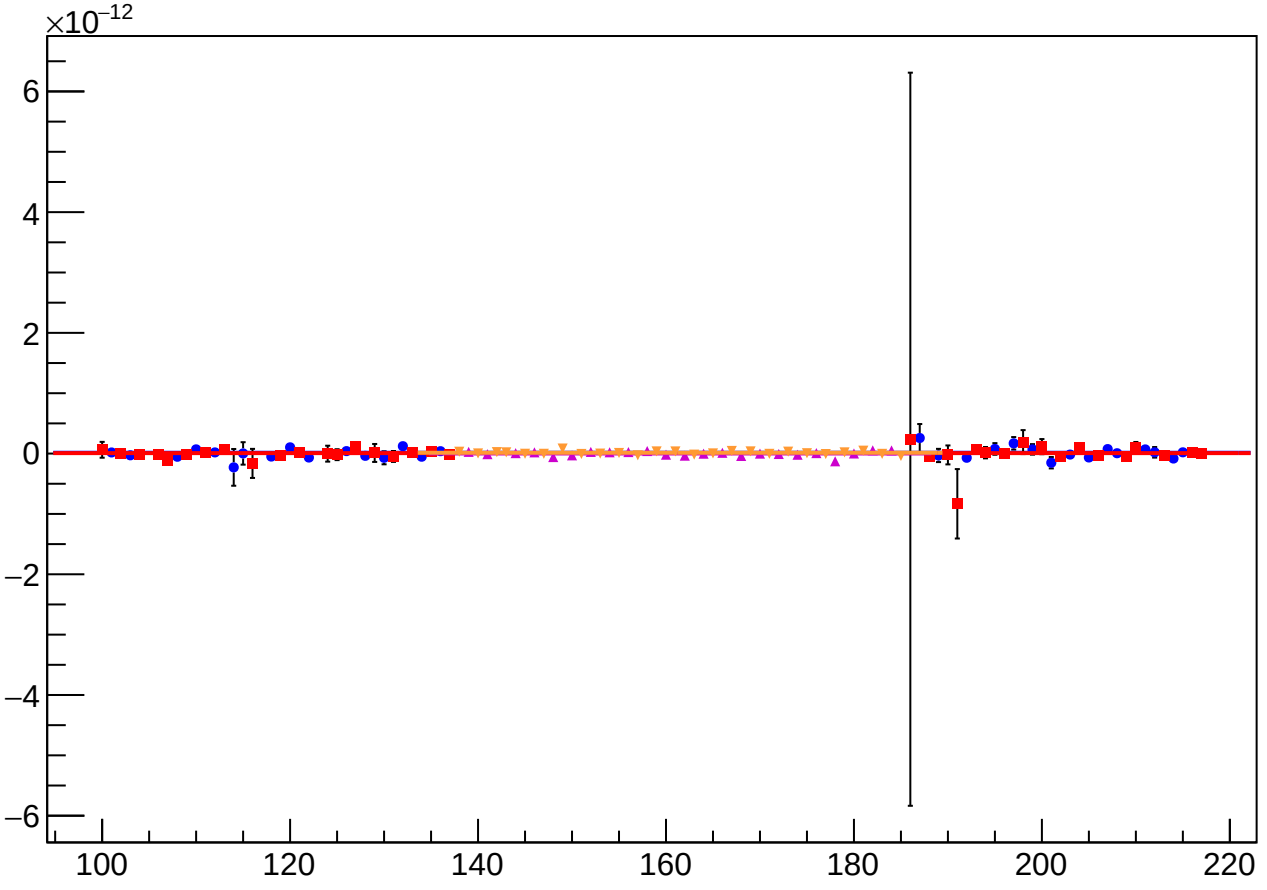
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 911.342+/-0.107 χ^2/NDF: 3712098.9/55

All: 897.862+/-0.075 χ^2/NDF: 8772748.9/114

- sign 885.023+/-0.104 χ^2/NDF: 5029556.1/58

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

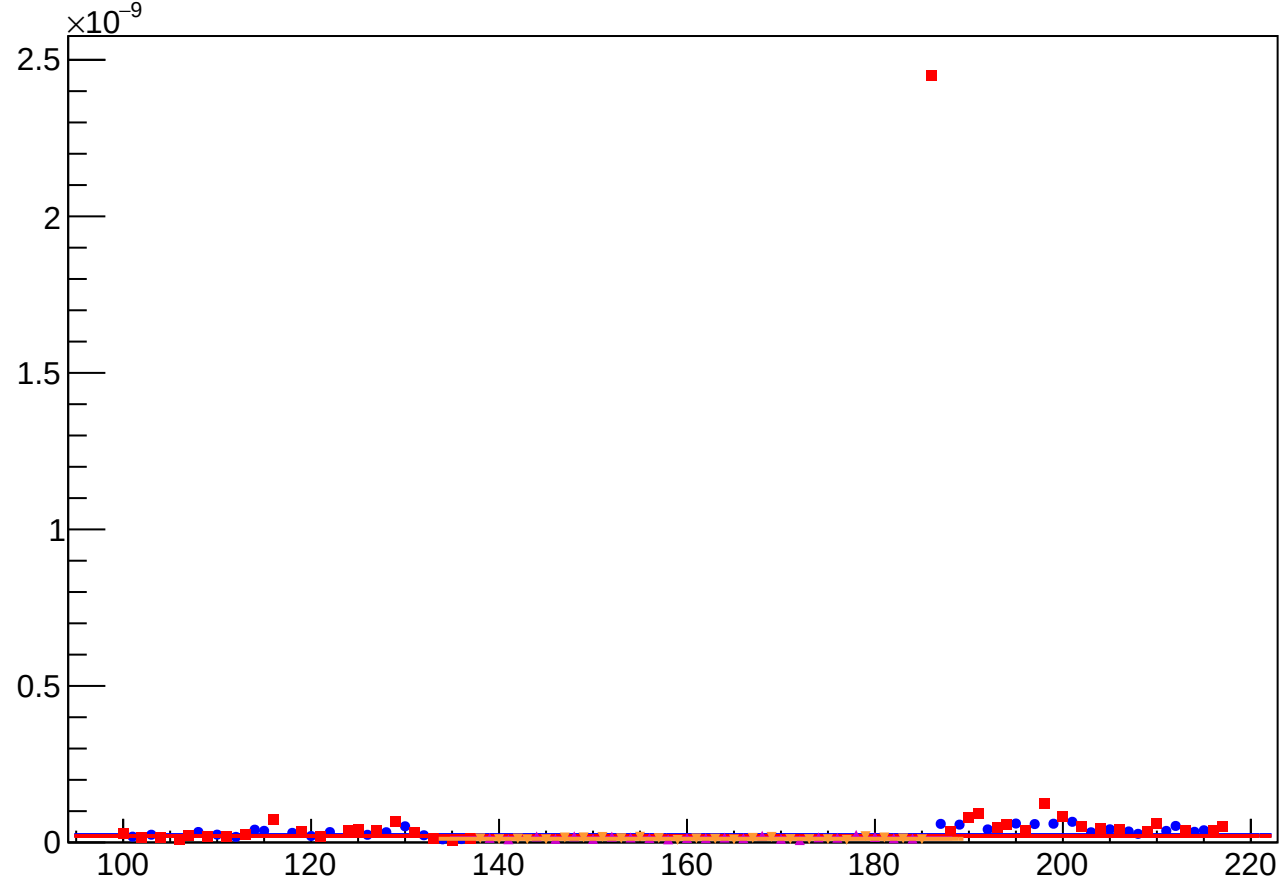
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/55

All: 0.000+/-0.000 χ^2/NDF: 112.4/114

- sign 0.000+/-0.000 χ^2/NDF: 53.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 4285456.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

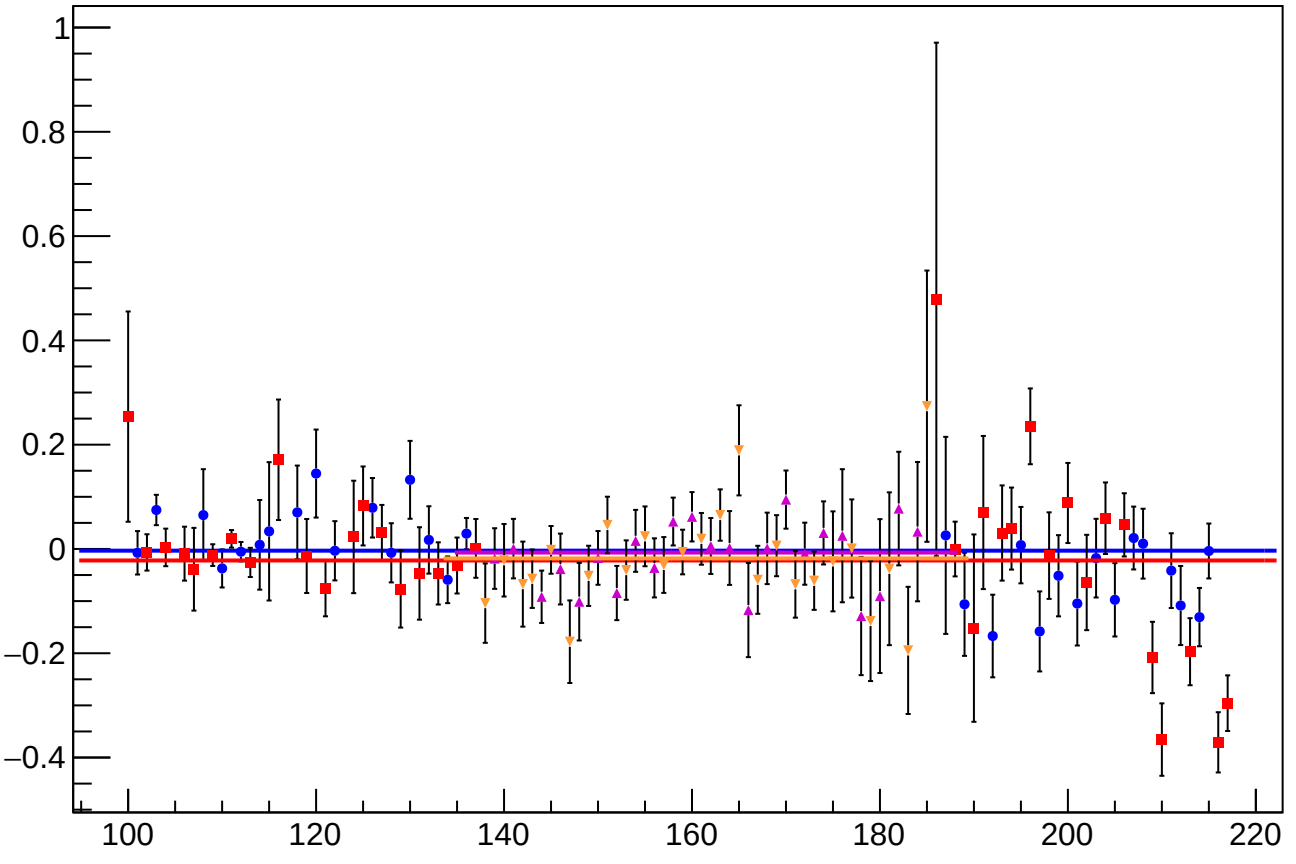
Right Out: 0.000+/-0.000 χ^2/NDF: 7047029.0/35

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7751188.2/55

All: 0.000+/-0.000 χ^2/NDF: 16812444.5/114

- sign 0.000+/-0.000 χ^2/NDF: 8959000.4/58



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

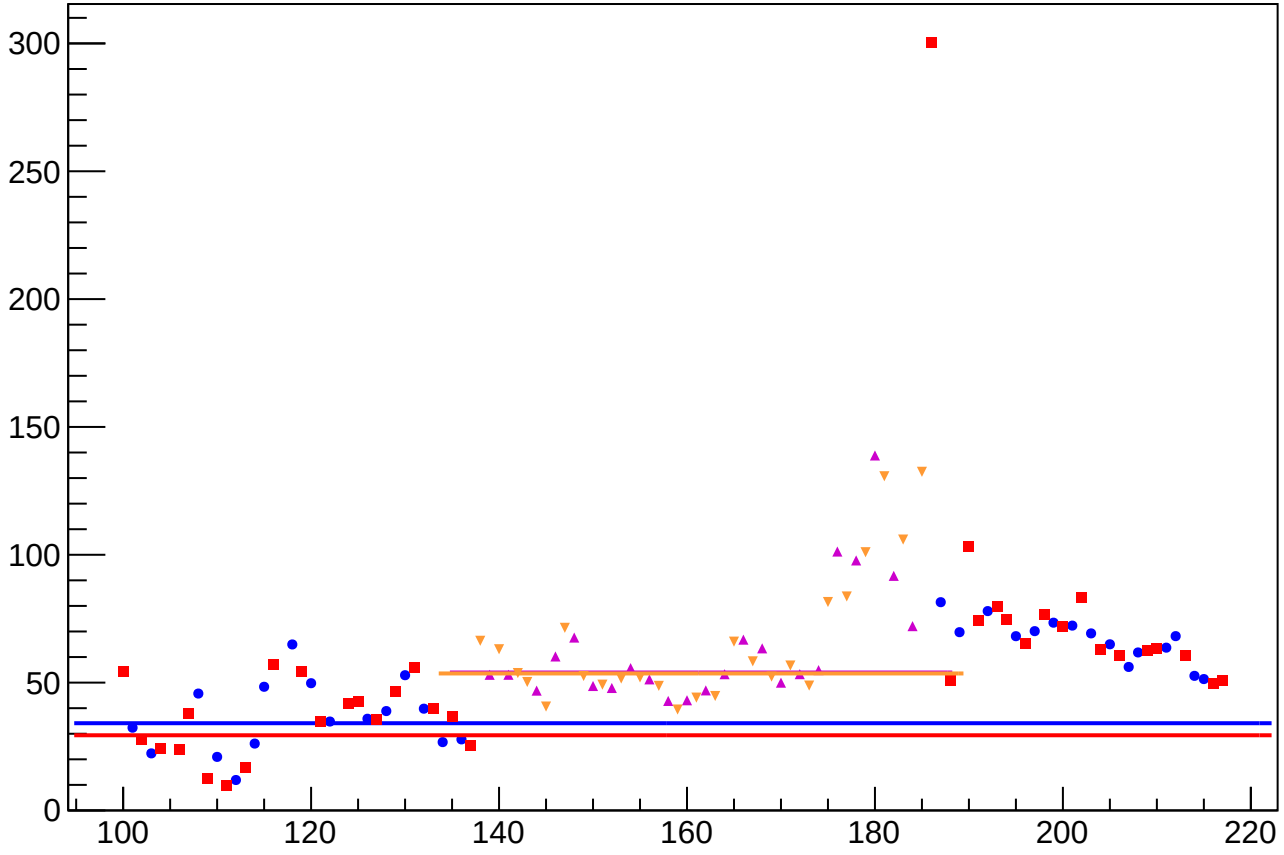
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.007 χ^2/NDF: 66.8/55

All: -0.013+/-0.005 χ^2/NDF: 226.8/114

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 34.122+/-0.007 χ^2/NDF: 9548645.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

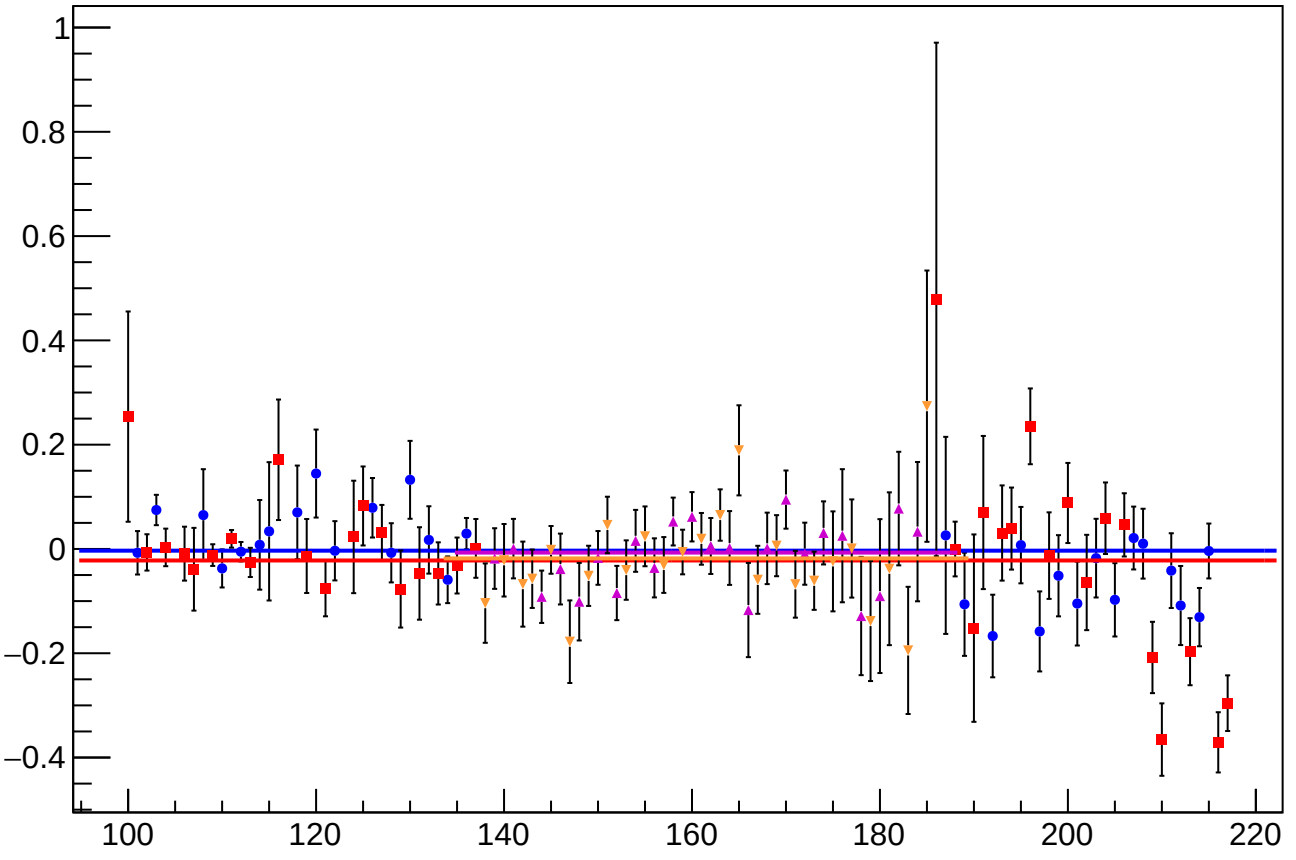
Right Out: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.752+/-0.005 χ^2/NDF: 15238586.9/55

All: 38.337+/-0.004 χ^2/NDF: 36294449.3/114

- sign 36.242+/-0.005 χ^2/NDF: 20665793.6/58



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

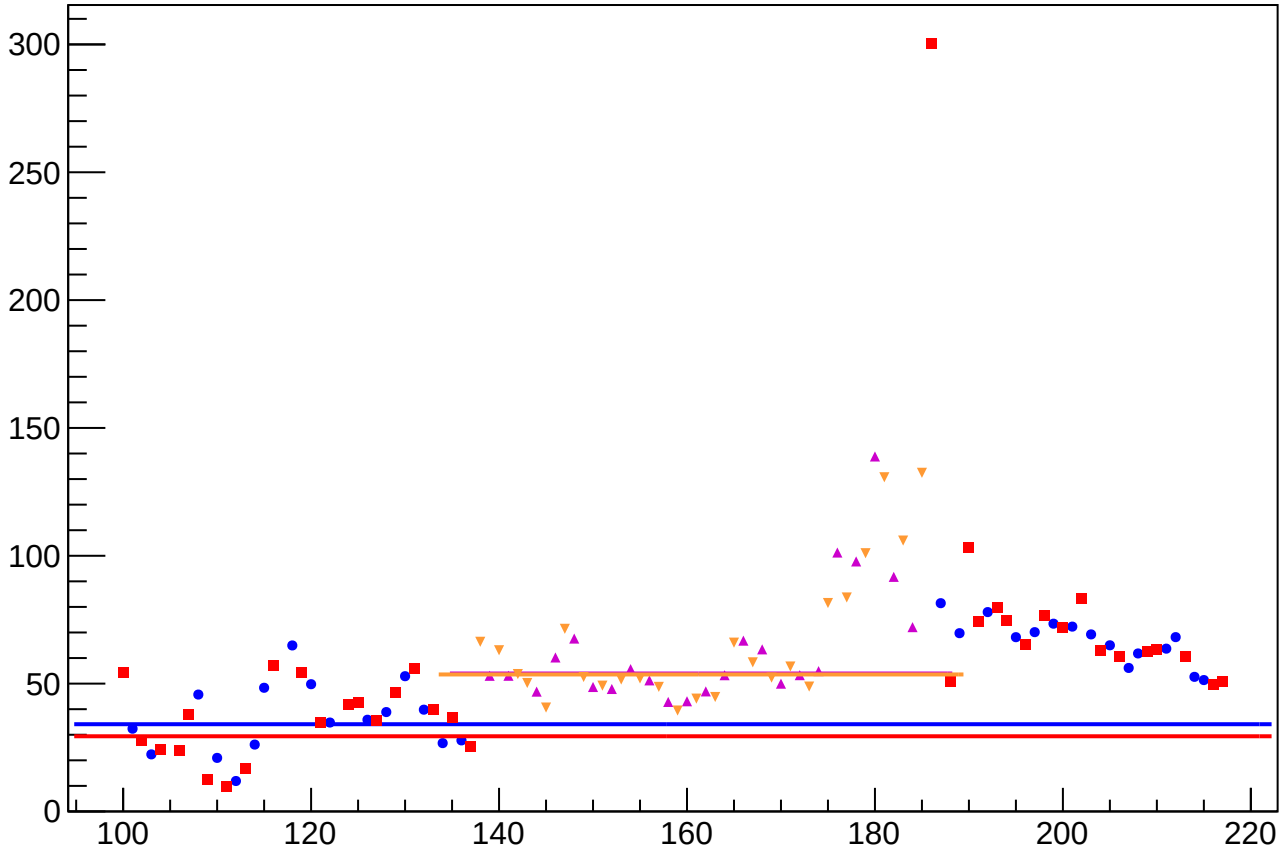
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.007 χ^2/NDF: 66.8/55

All: -0.013+/-0.005 χ^2/NDF: 226.8/114

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.122+/-0.007 χ^2/NDF: 9548645.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

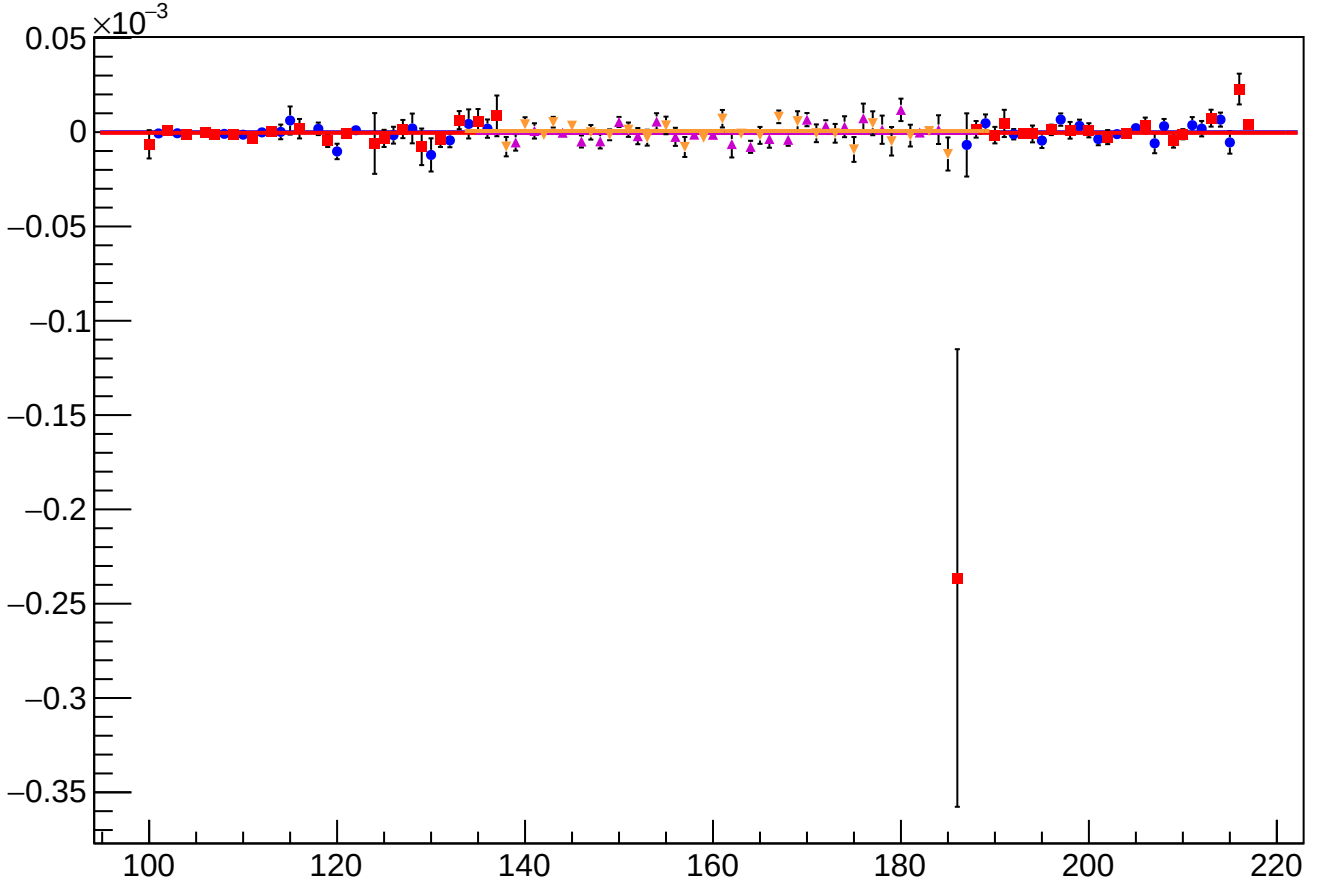
Right Out: 29.408+/-0.006 χ^2/NDF: 13627354.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.752+/-0.005 χ^2/NDF: 15238586.9/55

All: 38.337+/-0.004 χ^2/NDF: 36294449.3/114

- sign 36.242+/-0.005 χ^2/NDF: 20665793.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/35

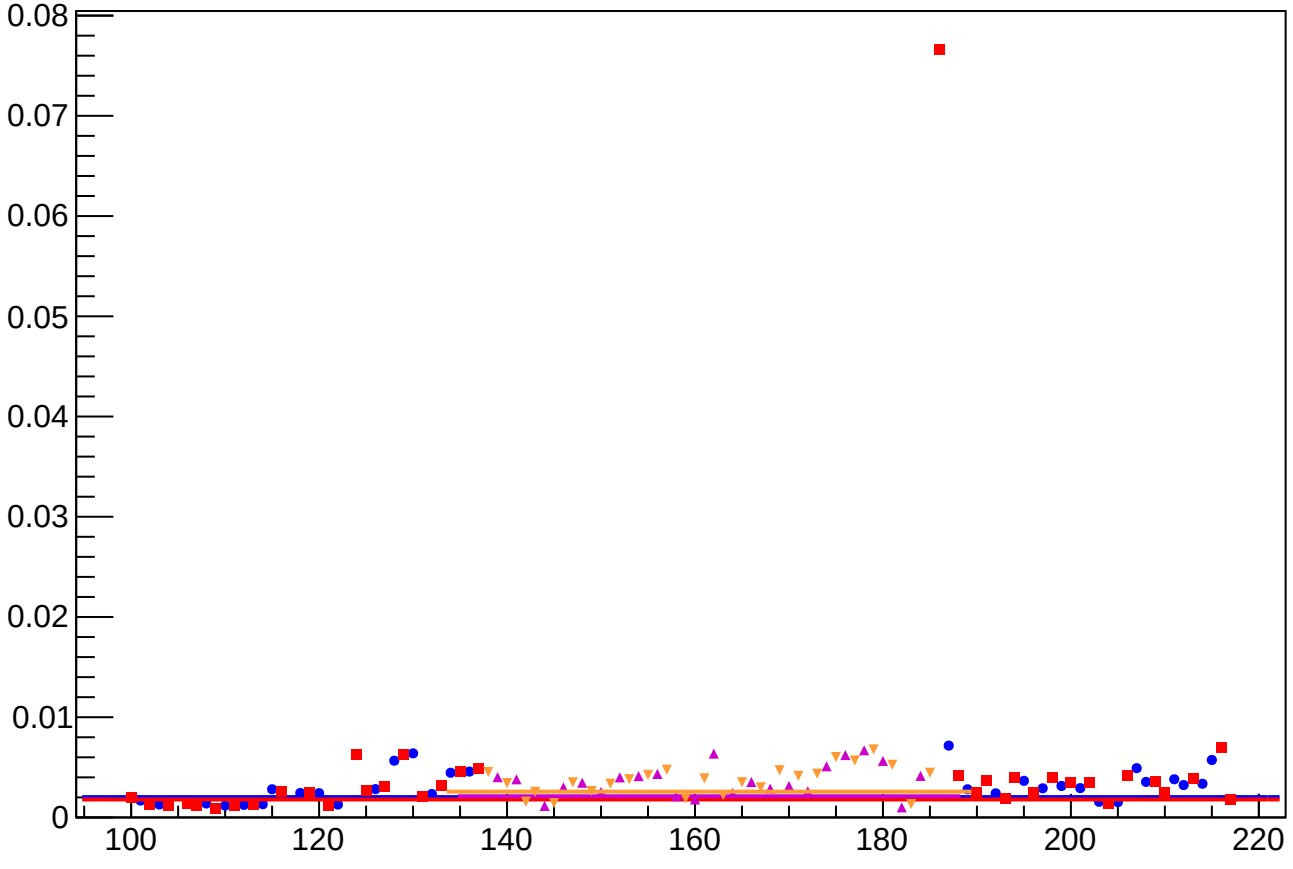
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.4/55

All: -0.000+/-0.000 χ^2/NDF: 129.8/114

- sign -0.000+/-0.000 χ^2/NDF: 67.3/58

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7373217.4/30

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9848155.9/35

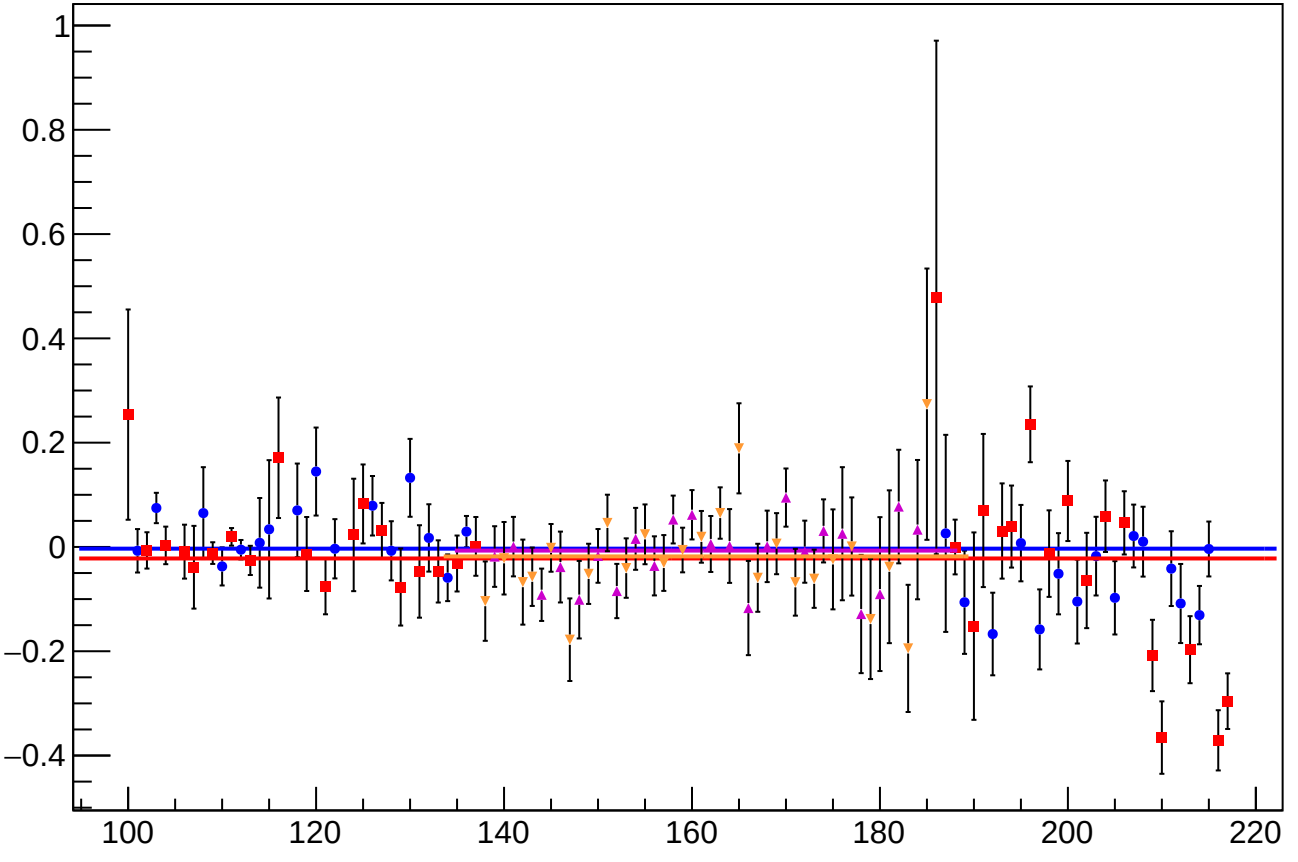
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 15300018.8/55

All: 0.002+/-0.000 χ^2/NDF: 35707530.9/114

- sign 0.002+/-0.000 χ^2/NDF: 19700849.4/58

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

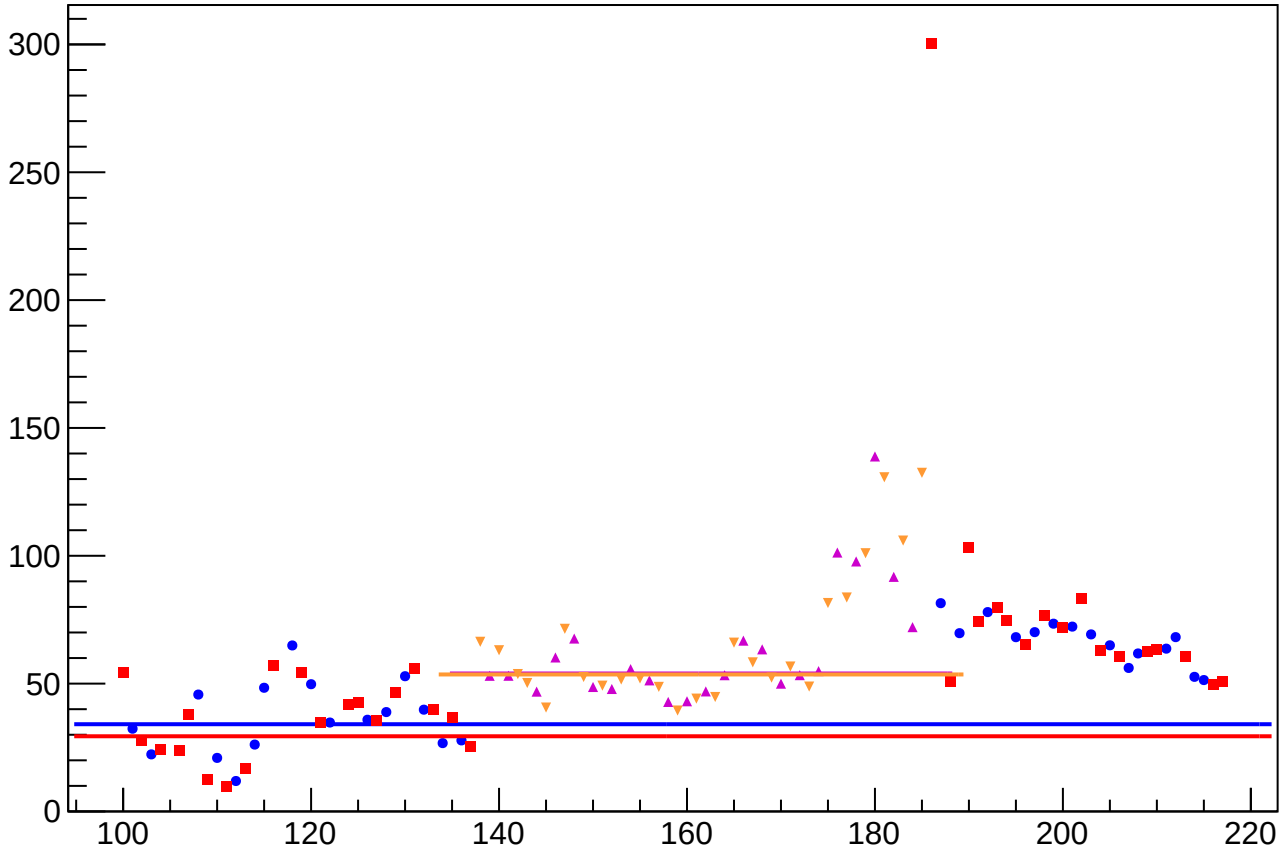
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.007 χ^2/NDF: 66.8/55

All: -0.013+/-0.005 χ^2/NDF: 226.8/114

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.122+/-0.007 χ^2/NDF: 9548798.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

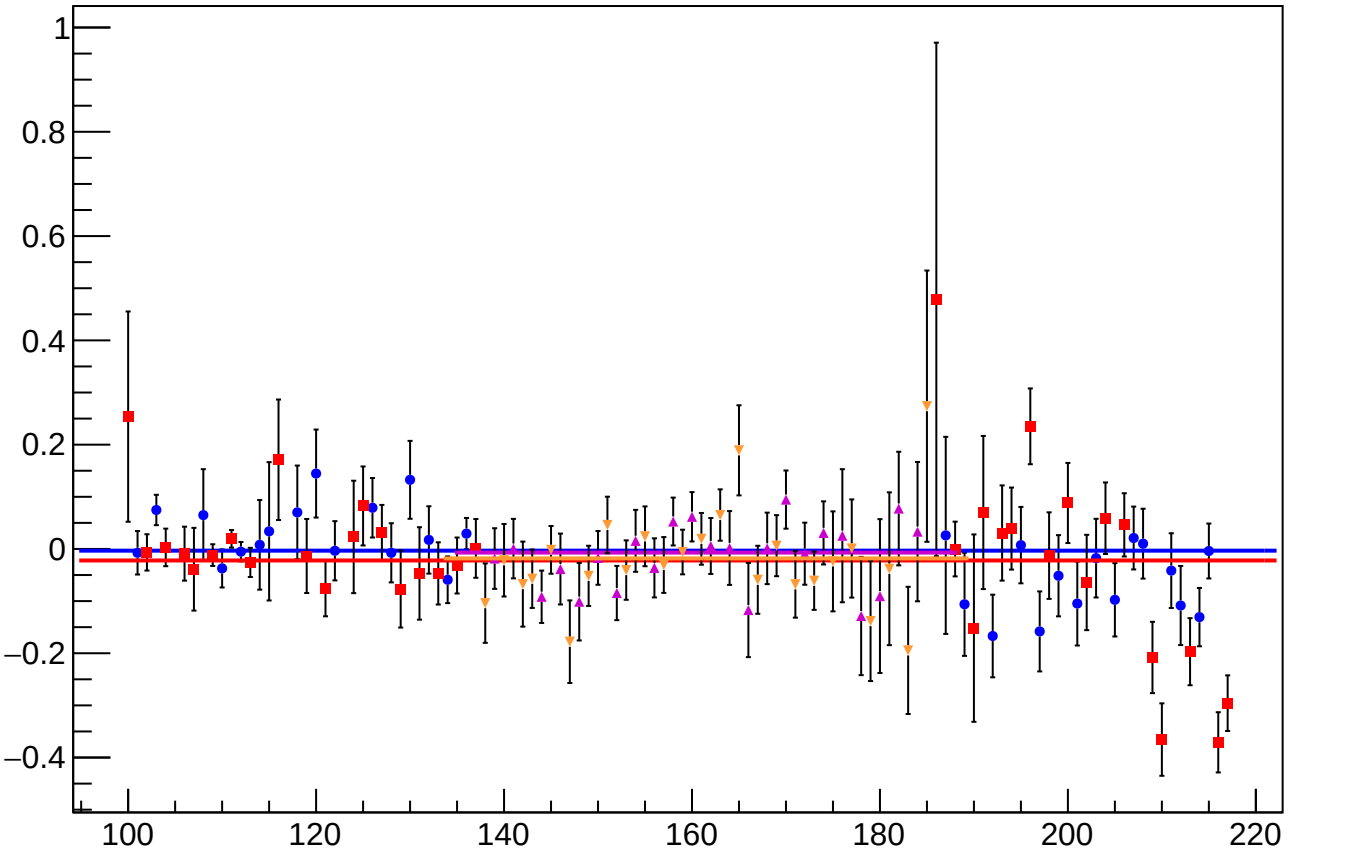
Right Out: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.751+/-0.005 χ^2/NDF: 15239102.6/55

All: 38.337+/-0.004 χ^2/NDF: 36295684.5/114

- sign 36.241+/-0.005 χ^2/NDF: 20666476.7/58



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/30

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

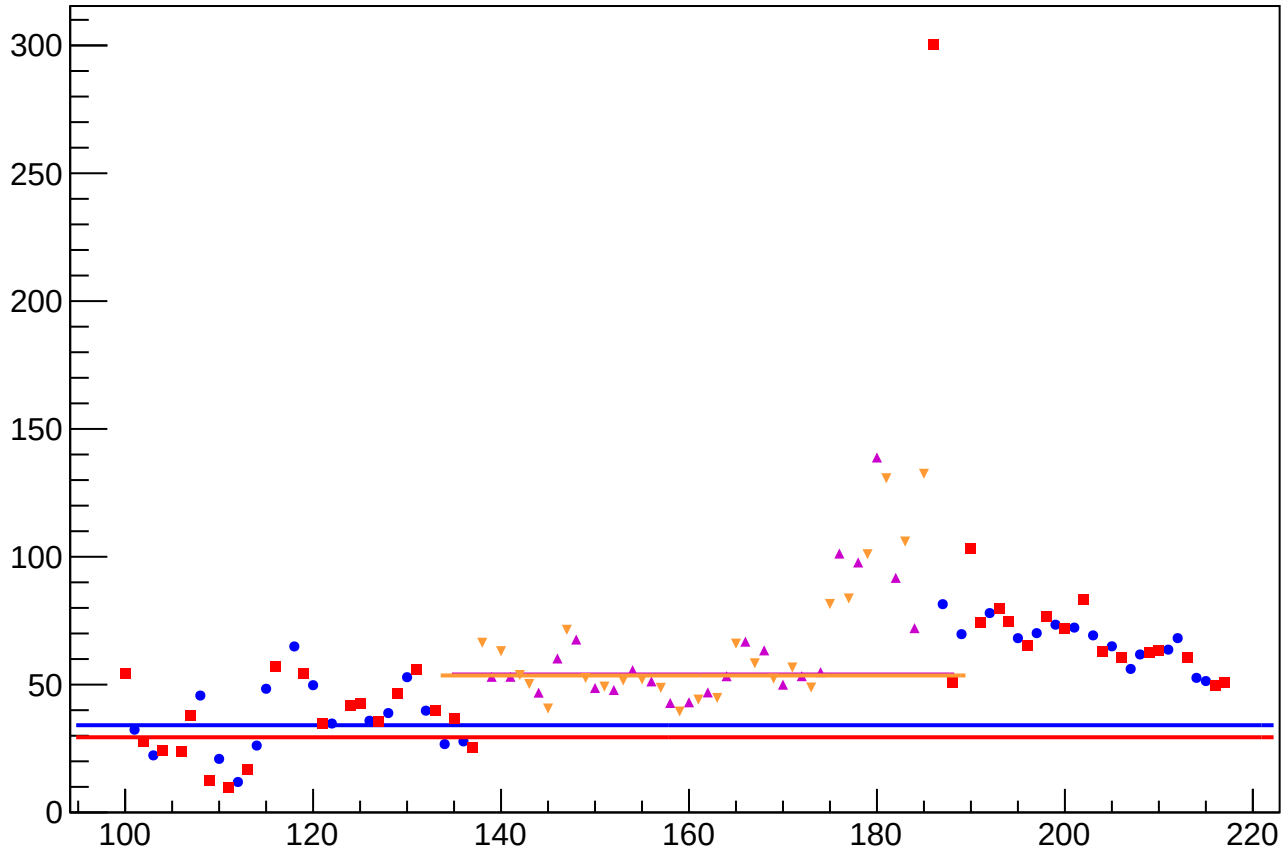
Right Out: -0.022+/-0.008 χ^2/NDF: 139.4/35

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.007 χ^2/NDF: 66.8/55

All: -0.013+/-0.005 χ^2/NDF: 226.8/114

- sign -0.018+/-0.007 χ^2/NDF: 159.1/58



Right In: 34.122+/-0.007 χ^2/NDF: 9548798.9/30

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 29.407+/-0.006 χ^2/NDF: 13627559.9/35

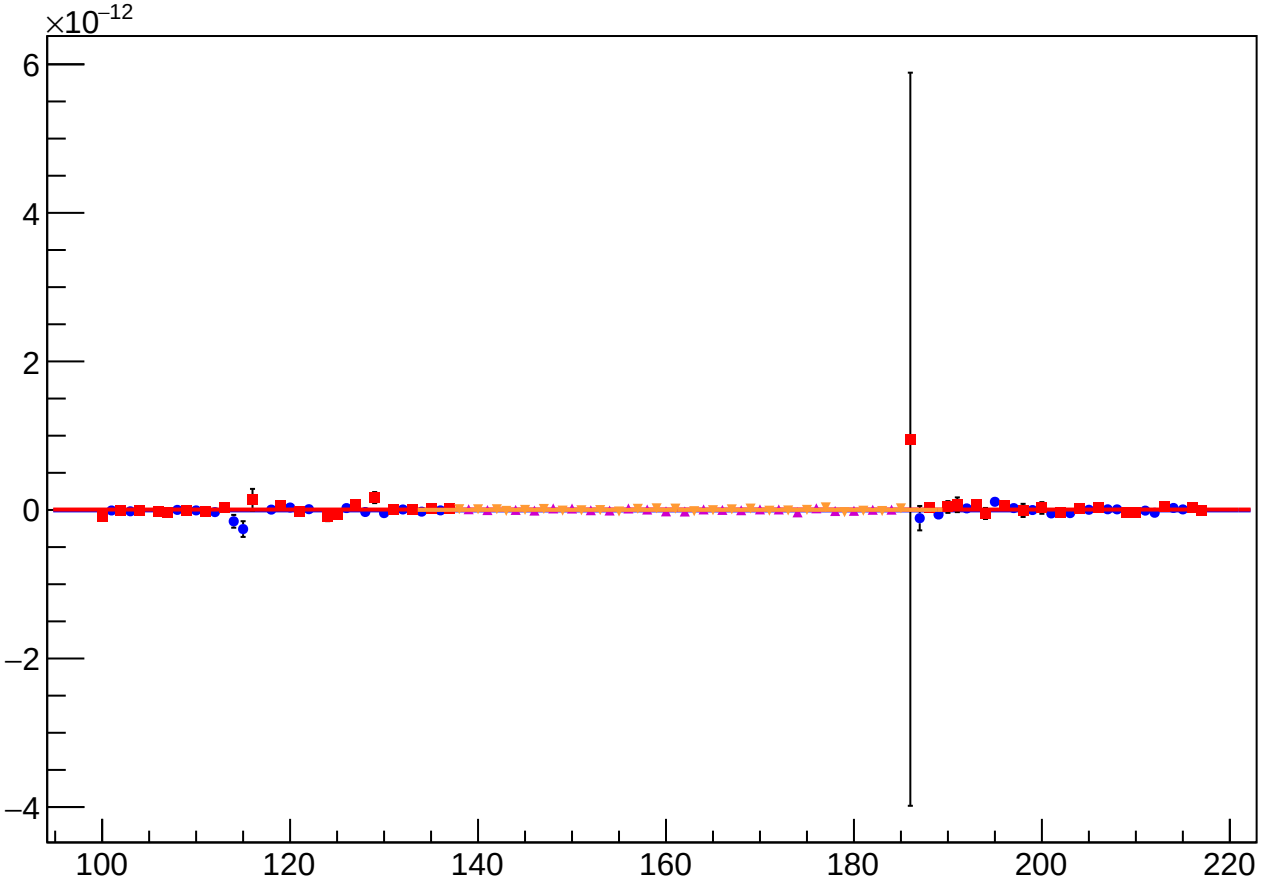
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.751+/-0.005 χ^2/NDF: 15239102.6/55

All: 38.337+/-0.004 χ^2/NDF: 36295684.5/114

- sign 36.241+/-0.005 χ^2/NDF: 20666476.7/58

asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

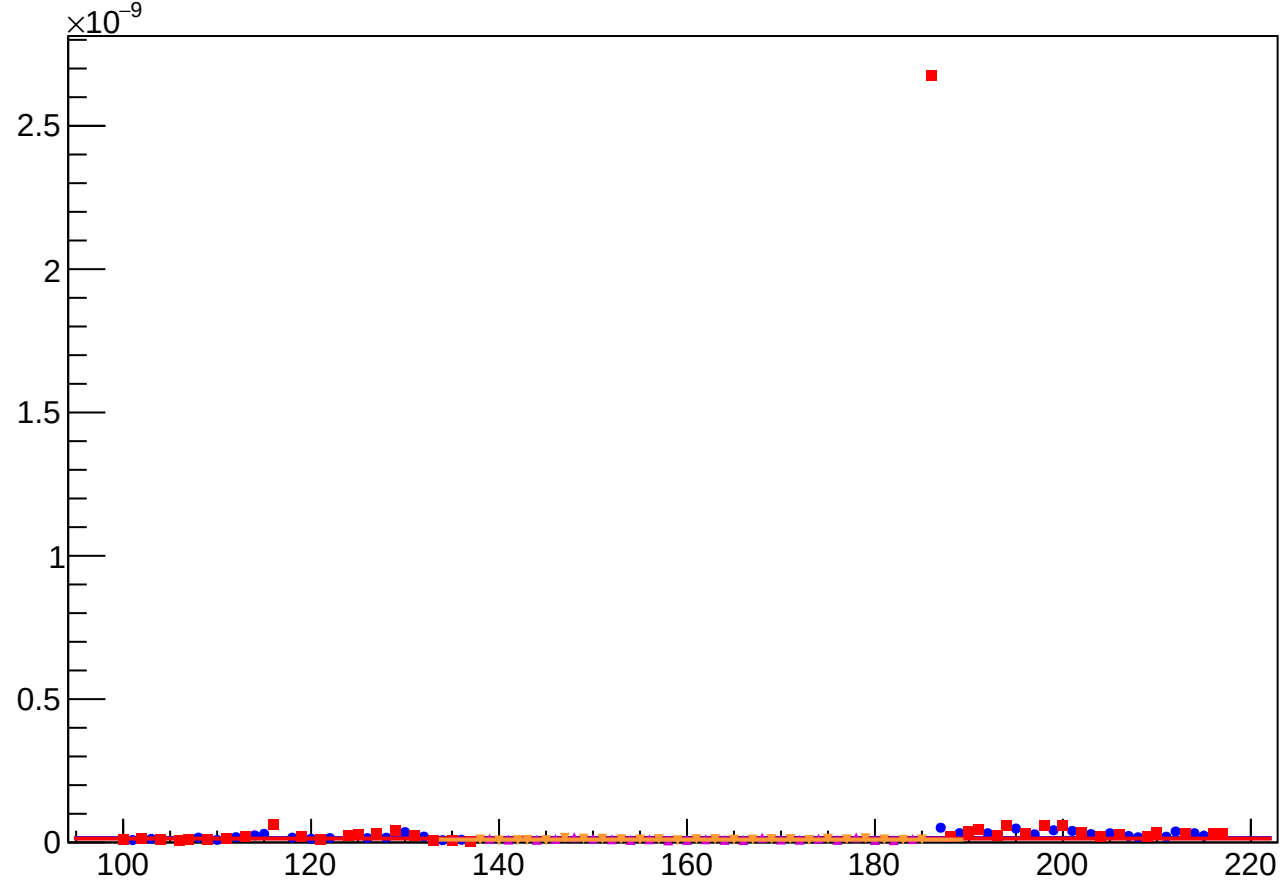
Right Out: 0.000+/-0.000 χ^2/NDF: 40.6/35

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.9/55

All: 0.000+/-0.000 χ^2/NDF: 112.9/114

- sign 0.000+/-0.000 χ^2/NDF: 59.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 6008854.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9761087.5/35

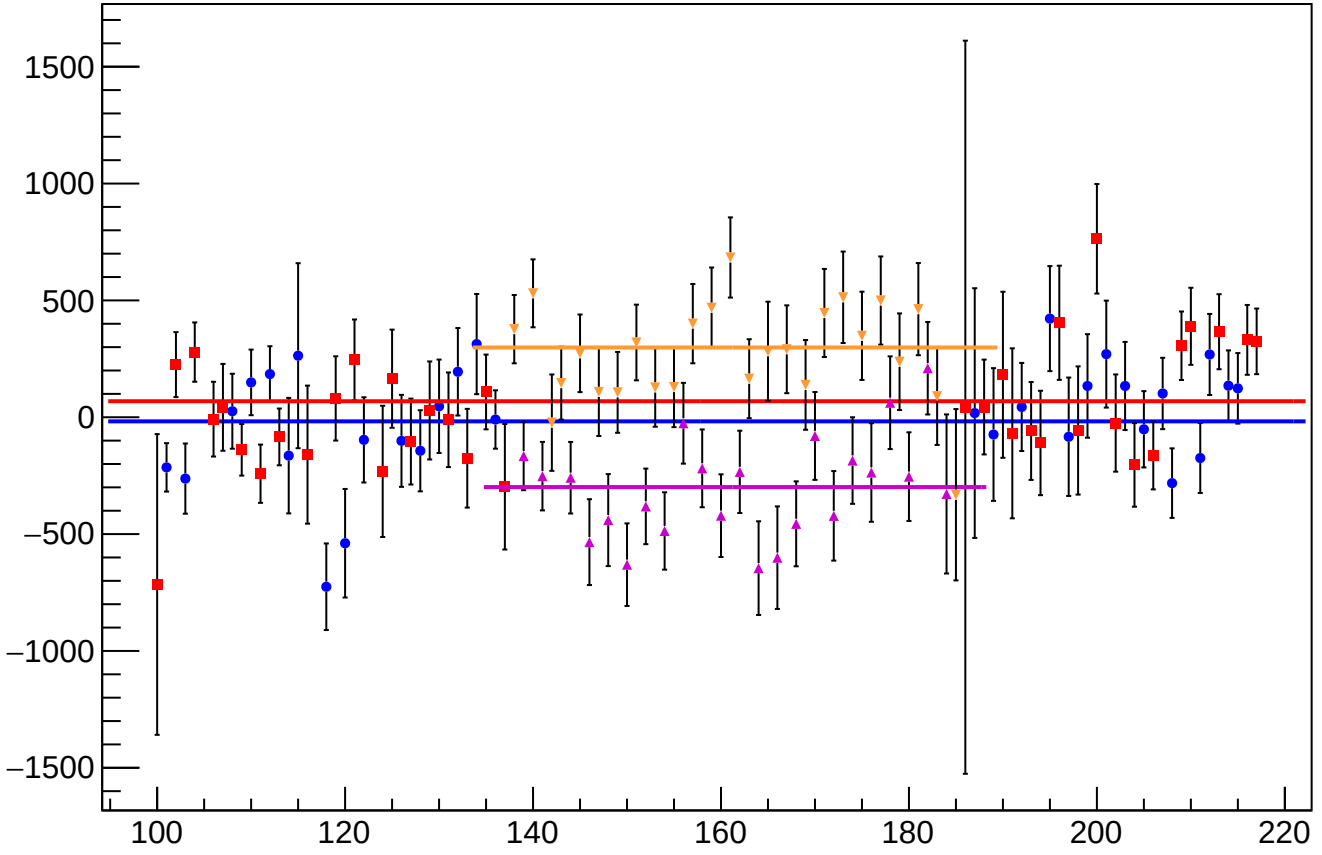
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9068894.9/55

All: 0.000+/-0.000 χ^2/NDF: 20909796.8/114

- sign 0.000+/-0.000 χ^2/NDF: 11840625.3/58

reg_asym_sam6_mean vs Slug



Right In: -17.609+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.556+/-29.973 χ^2/NDF: 57.9/35

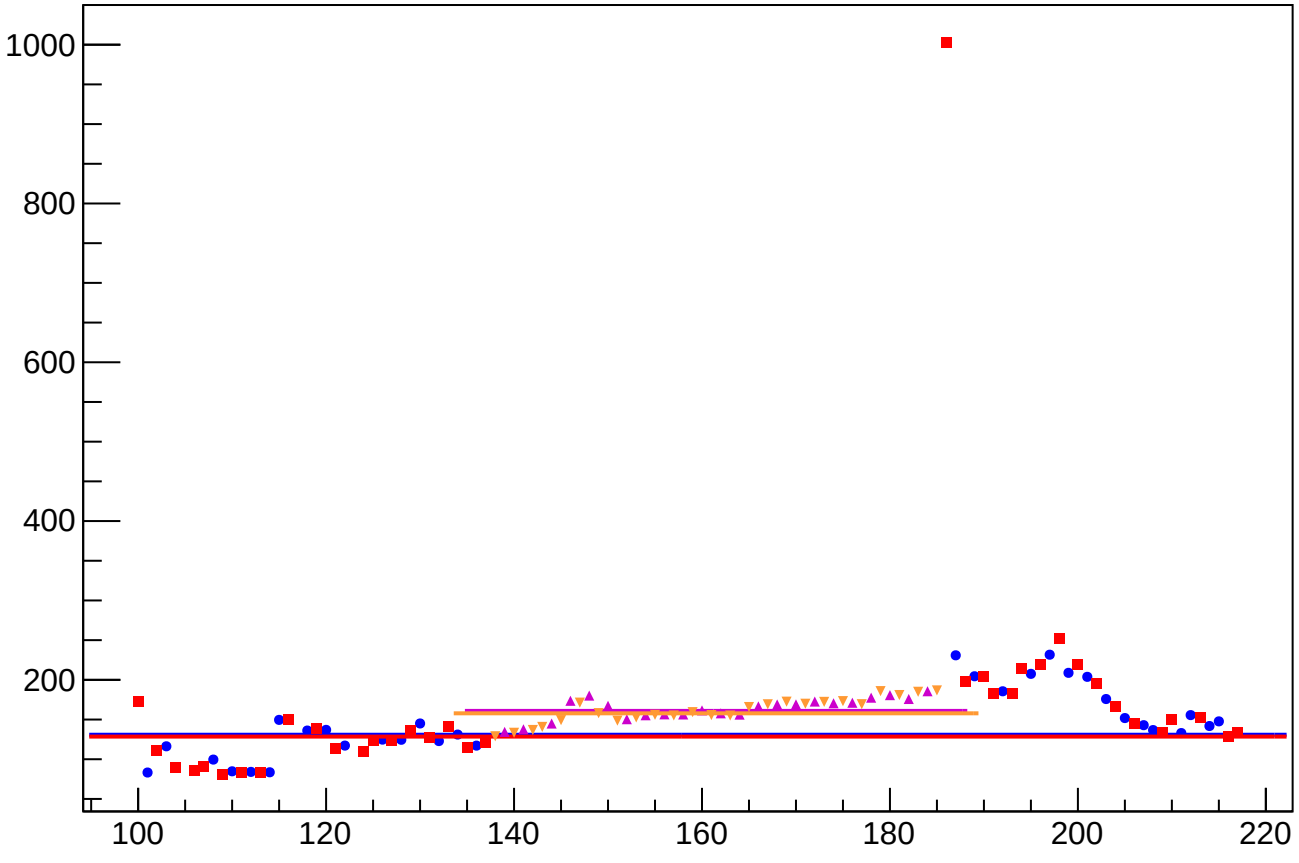
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 117.194+/-23.541 χ^2/NDF: 122.2/55

All: 21.527+/-16.620 χ^2/NDF: 300.6/114

- sign -73.543+/-23.468 χ^2/NDF: 145.5/58

reg_asym_sam6_rms vs Slug



Right In: 130.855+/-0.022 χ^2/NDF: 2788793.7/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.534+/-0.021 χ^2/NDF: 4249622.3/35

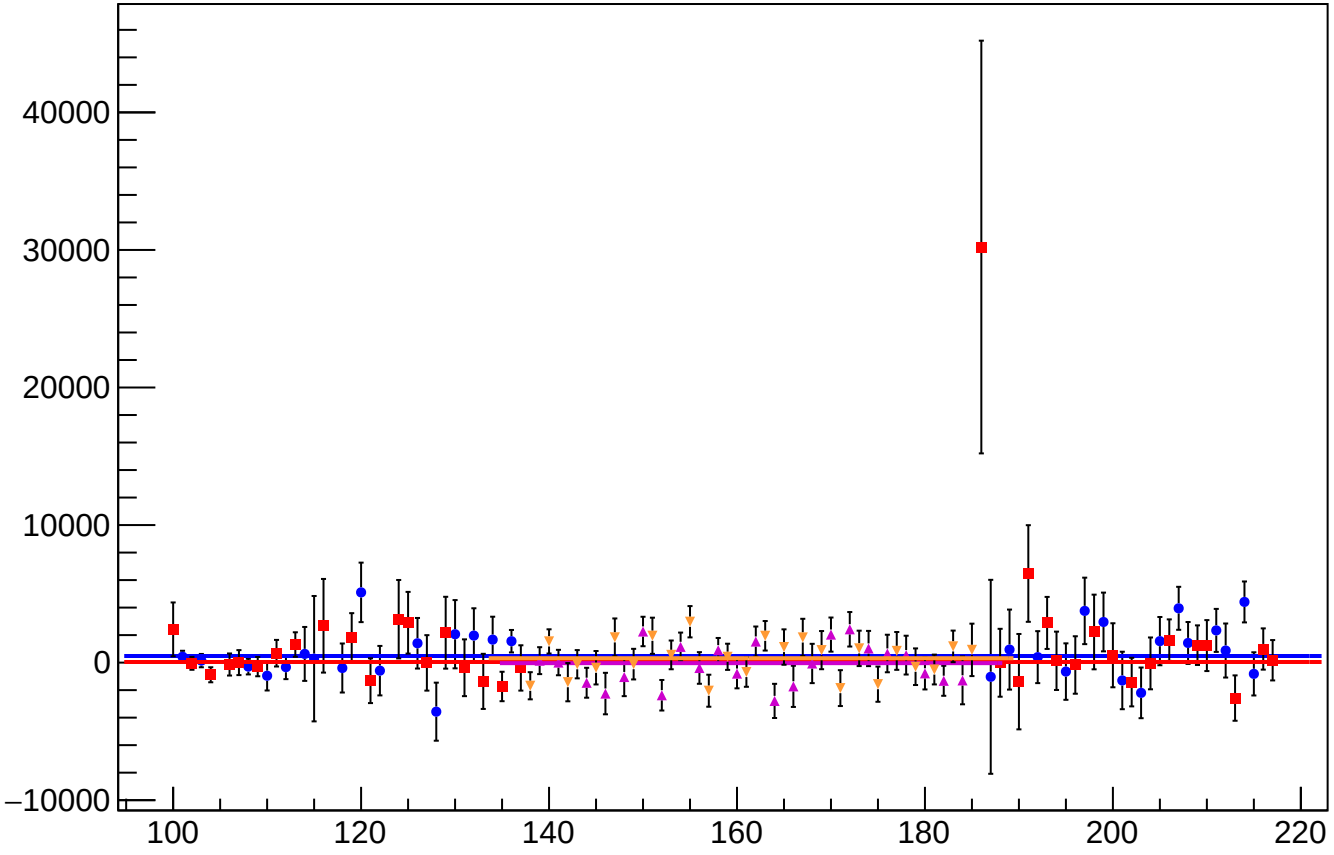
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.360+/-0.017 χ^2/NDF: 3808568.2/55

All: 141.702+/-0.012 χ^2/NDF: 9230589.5/114

- sign 141.048+/-0.017 χ^2/NDF: 5418904.8/58

asym_sam6_reg_correction_mean vs Slug



Right In: 480.740+/-208.257 χ^2/NDF: 38.5/30

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 45.431+/-208.371 χ^2/NDF: 32.7/35

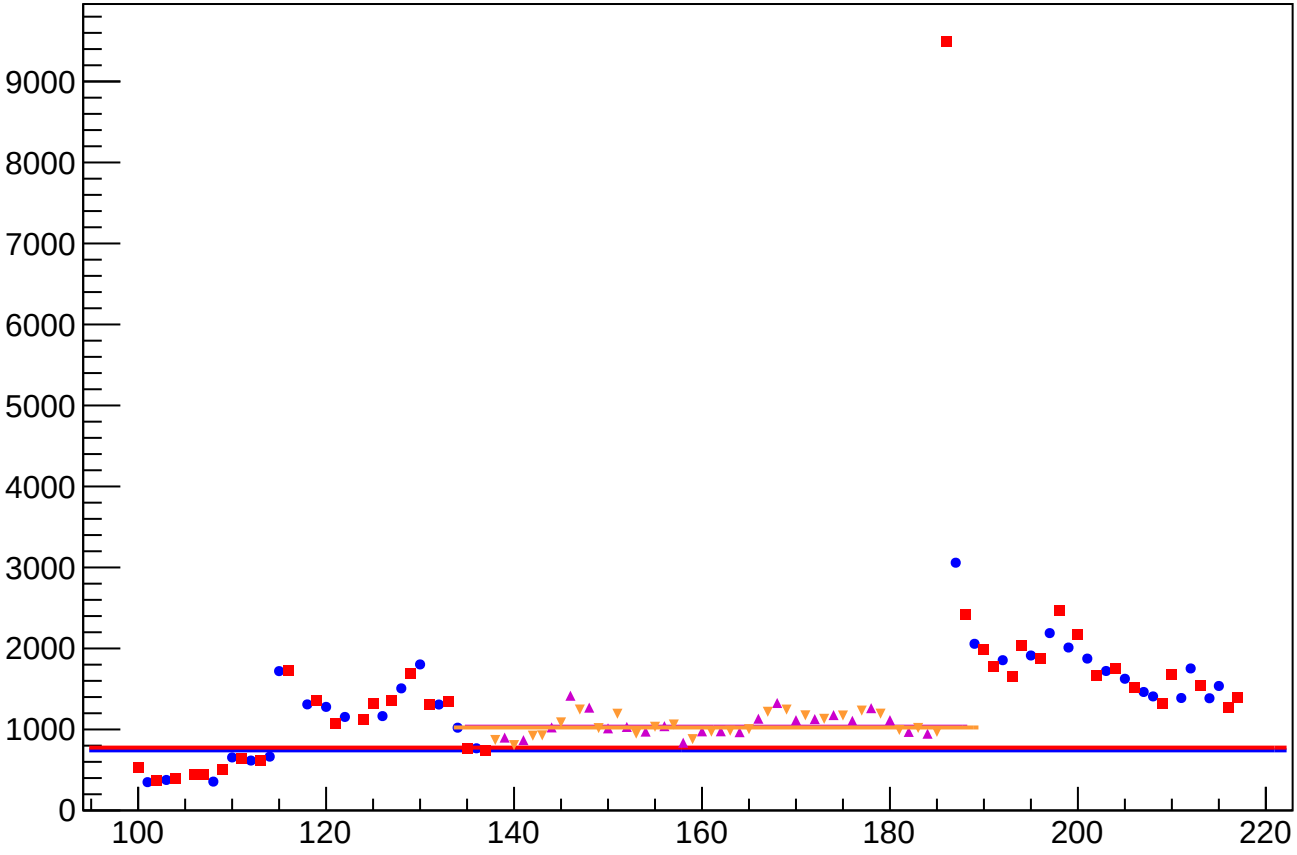
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 410.038+/-155.886 χ^2/NDF: 71.3/55

All: 213.227+/-111.140 χ^2/NDF: 142.1/114

- sign 9.768+/-158.497 χ^2/NDF: 67.6/58

asym_sam6_reg_correction_rms vs Slug



Right In: 741.918+/-0.147 χ^2/NDF: 12855952.6/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 775.941+/-0.147 χ^2/NDF: 13235384.7/35

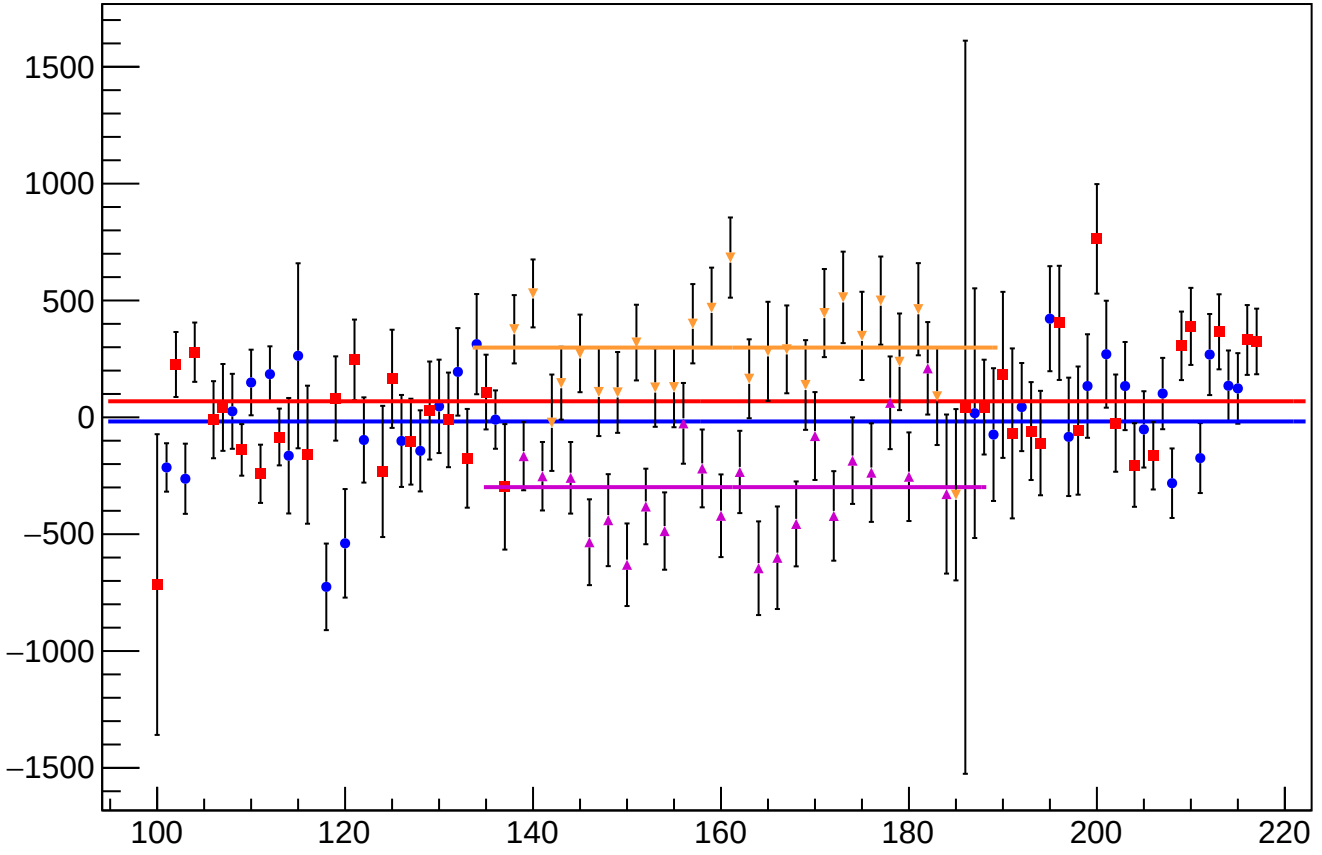
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 866.169+/-0.110 χ^2/NDF: 15072646.4/55

All: 875.364+/-0.079 χ^2/NDF: 30247663.2/11

- sign 884.870+/-0.112 χ^2/NDF: 15160864.0/58

cor_asym_sam6_mean vs Slug



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.672+/-30.005 χ^2/NDF: 57.9/35

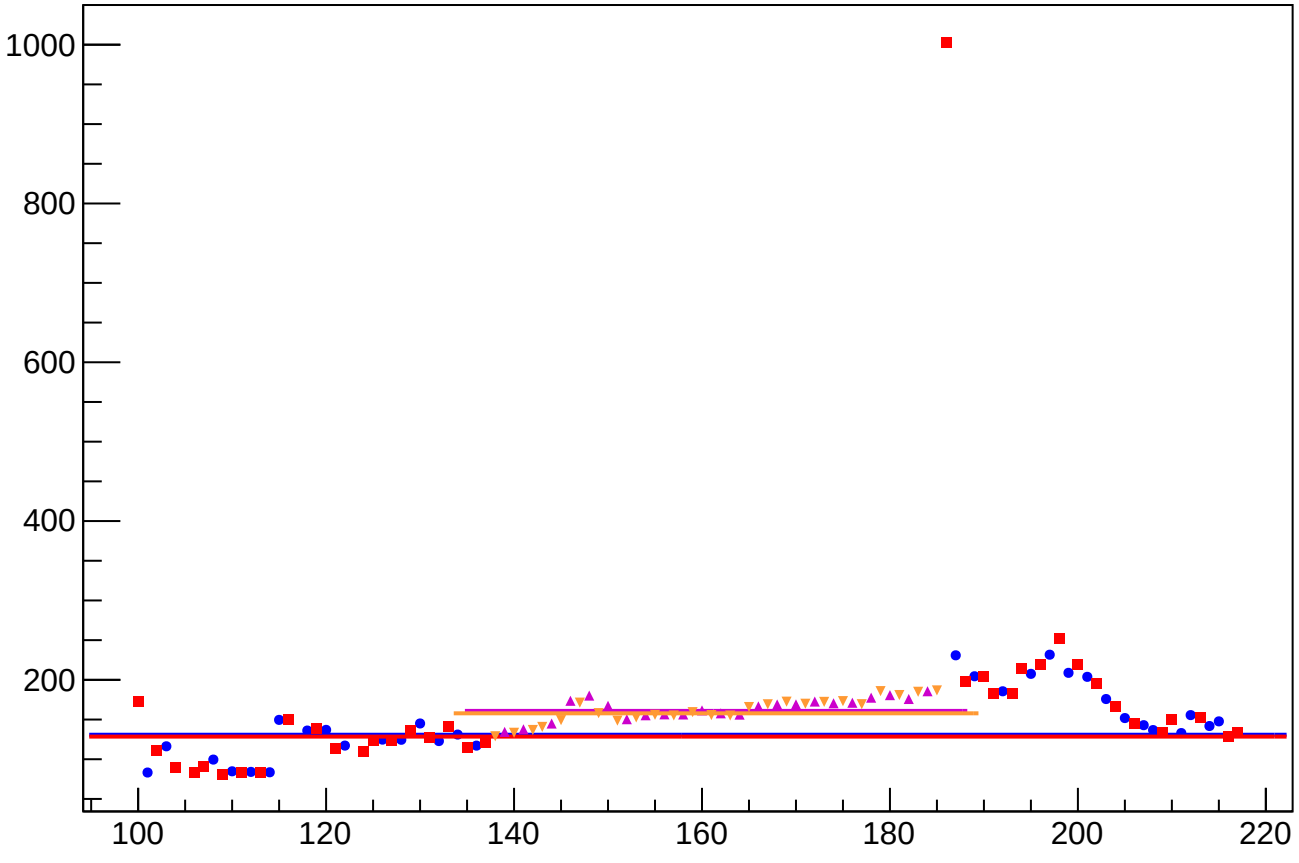
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 117.187+/-23.541 χ^2/NDF: 122.2/55

All: 21.527+/-16.626 χ^2/NDF: 300.6/114

- sign -73.662+/-23.483 χ^2/NDF: 145.5/58

cor_asym_sam6_rms vs Slug



Right In: 130.855+/-0.022 χ^2/NDF: 2788791.5/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

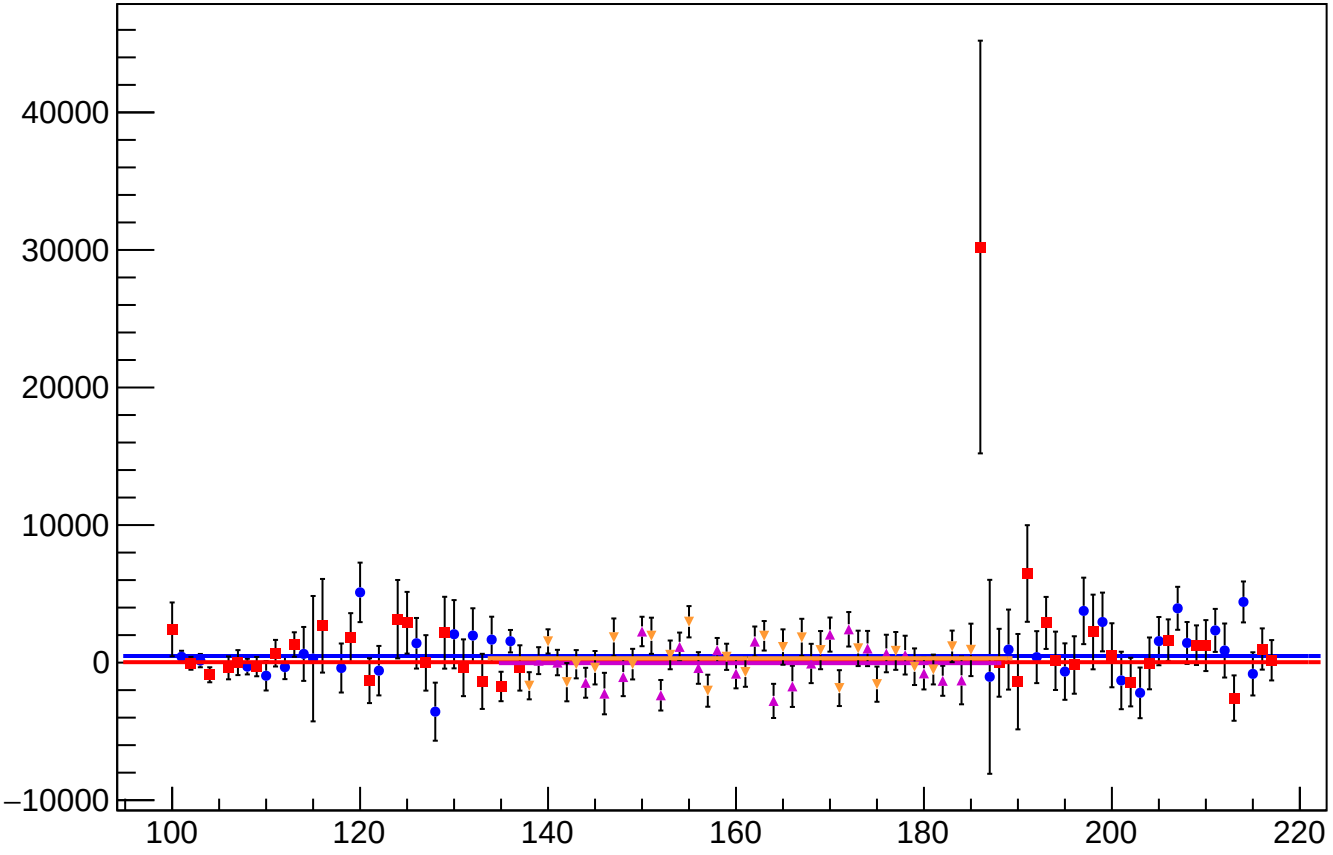
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.360+/-0.017 χ^2/NDF: 3808564.0/55

All: 141.707+/-0.012 χ^2/NDF: 9242349.3/114

- sign 141.057+/-0.017 χ^2/NDF: 5430711.0/58

asym_sam6_cor_correction_mean vs Slug



Right In: 480.845+/-208.252 χ^2/NDF: 38.5/30

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 31.689+/-208.823 χ^2/NDF: 32.9/35

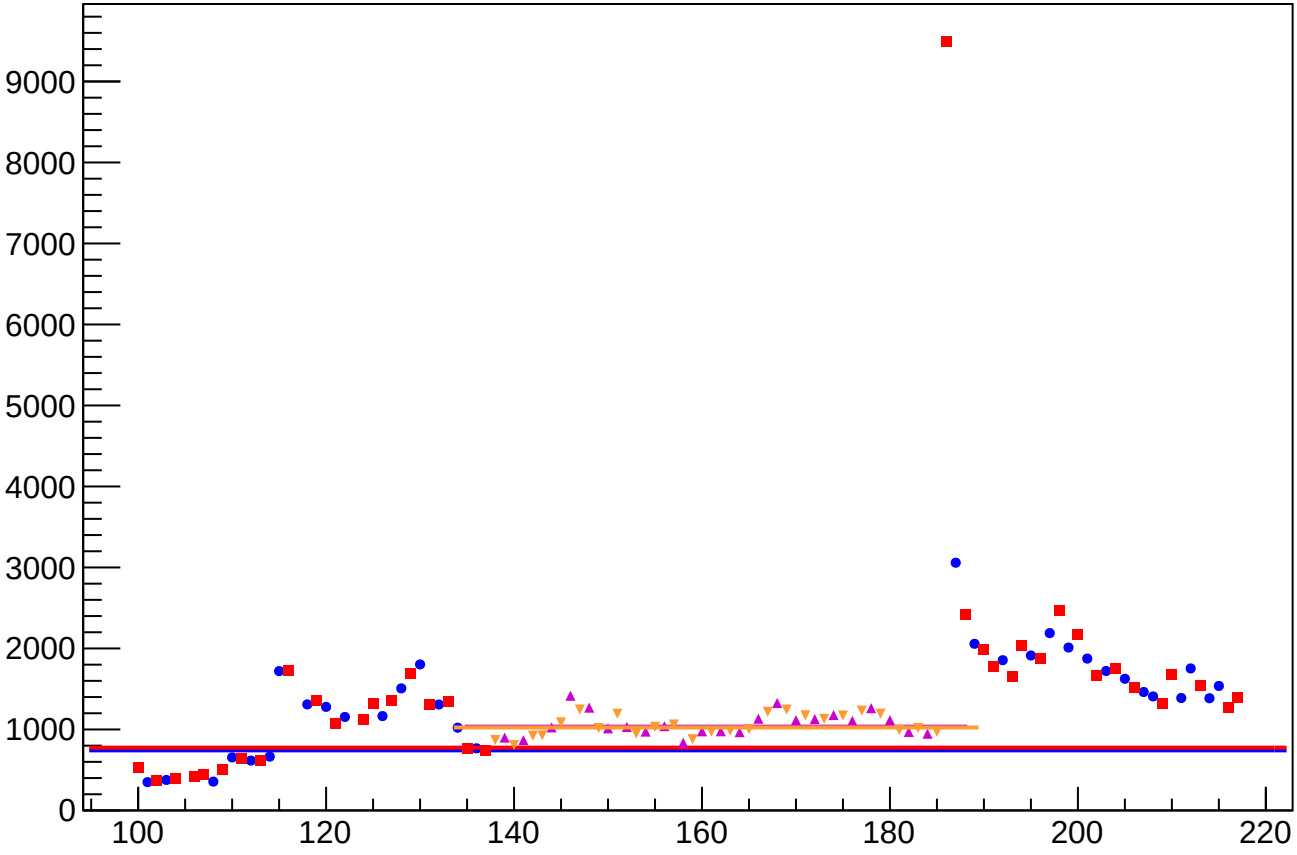
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 410.101+/-155.884 χ^2/NDF: 71.3/55

All: 209.572+/-111.207 χ^2/NDF: 142.4/114

- sign 1.742+/-158.696 χ^2/NDF: 67.7/58

asym_sam6_cor_correction_rms vs Slug



Right In: 741.890+/-0.147 χ^2/NDF: 12856585.4/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

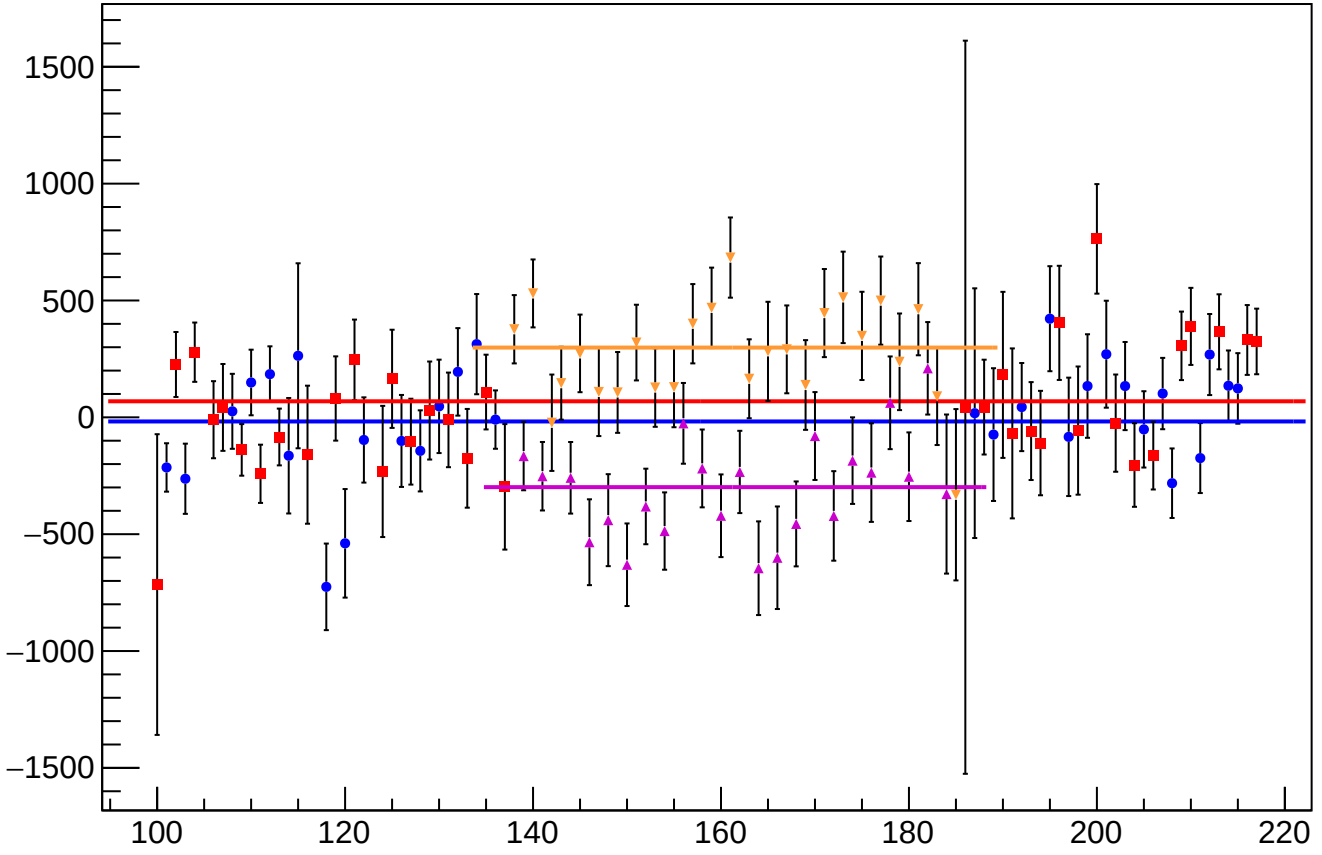
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 866.150+/-0.110 χ^2/NDF: 15073637.5/55

All: 875.381+/-0.079 χ^2/NDF: 30285355.8/11

- sign 884.947+/-0.112 χ^2/NDF: 15197437.5/58

eigen_cor_asym_sam6_mean vs Slug



Right In: -17.623+/-31.084 χ^2/NDF: 52.1/30

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 68.672+/-30.005 χ^2/NDF: 57.9/35

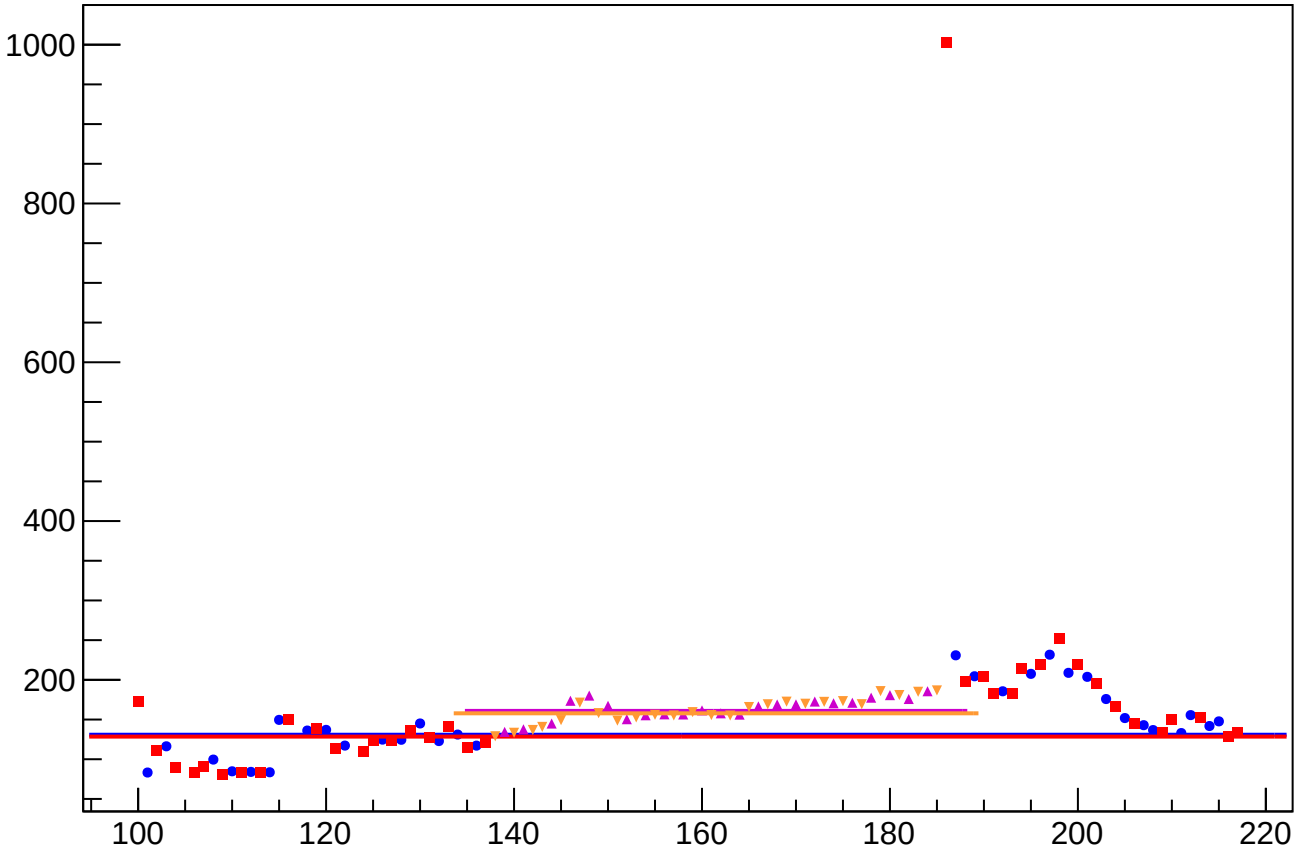
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 117.187+/-23.541 χ^2/NDF: 122.2/55

All: 21.527+/-16.626 χ^2/NDF: 300.6/114

- sign -73.662+/-23.483 χ^2/NDF: 145.5/58

eigen_cor_asym_sam6_rms vs Slug



Right In: 130.855+/-0.022 χ^2/NDF: 2788791.5/30

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.522+/-0.021 χ^2/NDF: 4261455.1/35

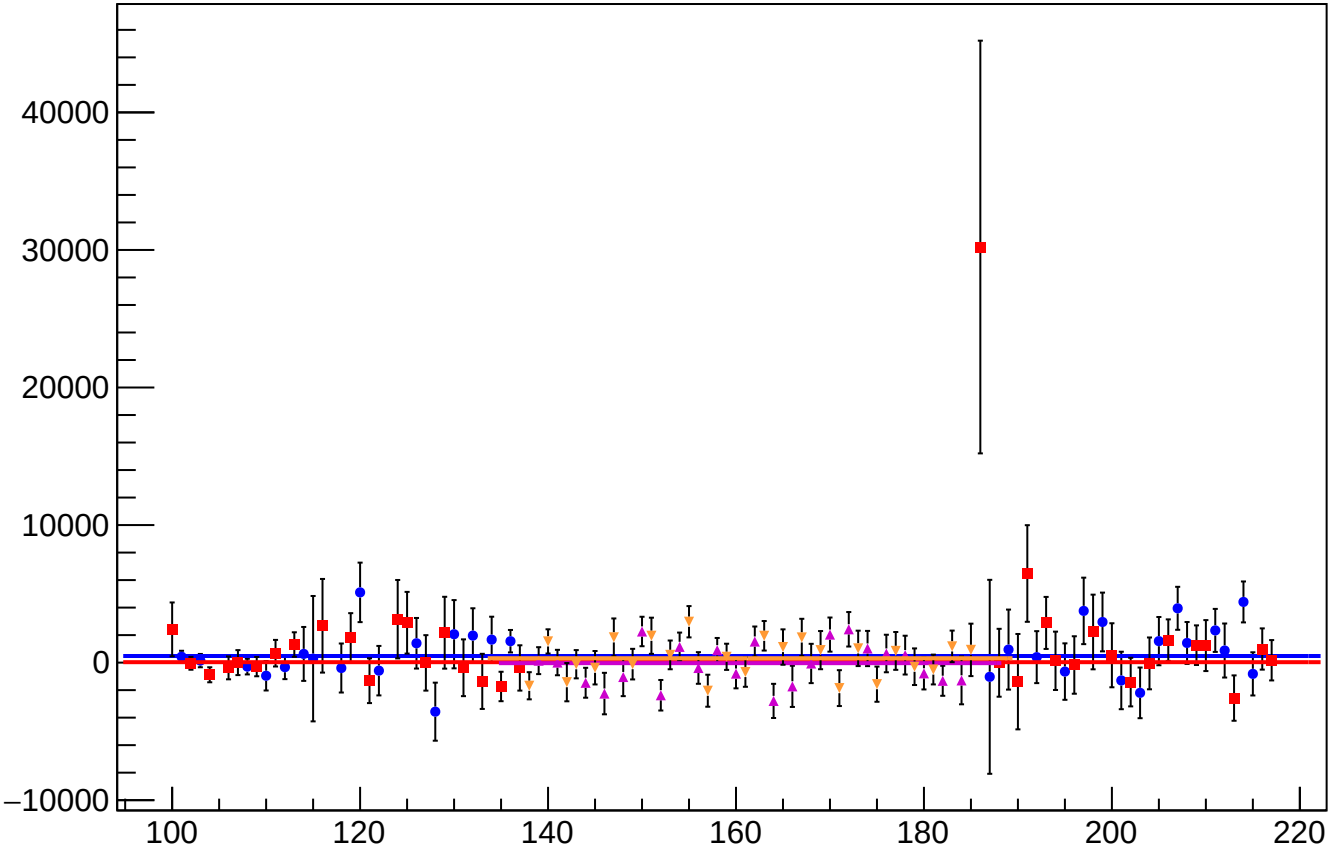
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.360+/-0.017 χ^2/NDF: 3808564.0/55

All: 141.707+/-0.012 χ^2/NDF: 9242349.3/114

- sign 141.057+/-0.017 χ^2/NDF: 5430711.0/58

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 480.845+/-208.252 χ^2/NDF: 38.5/30

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 31.689+/-208.823 χ^2/NDF: 32.9/35

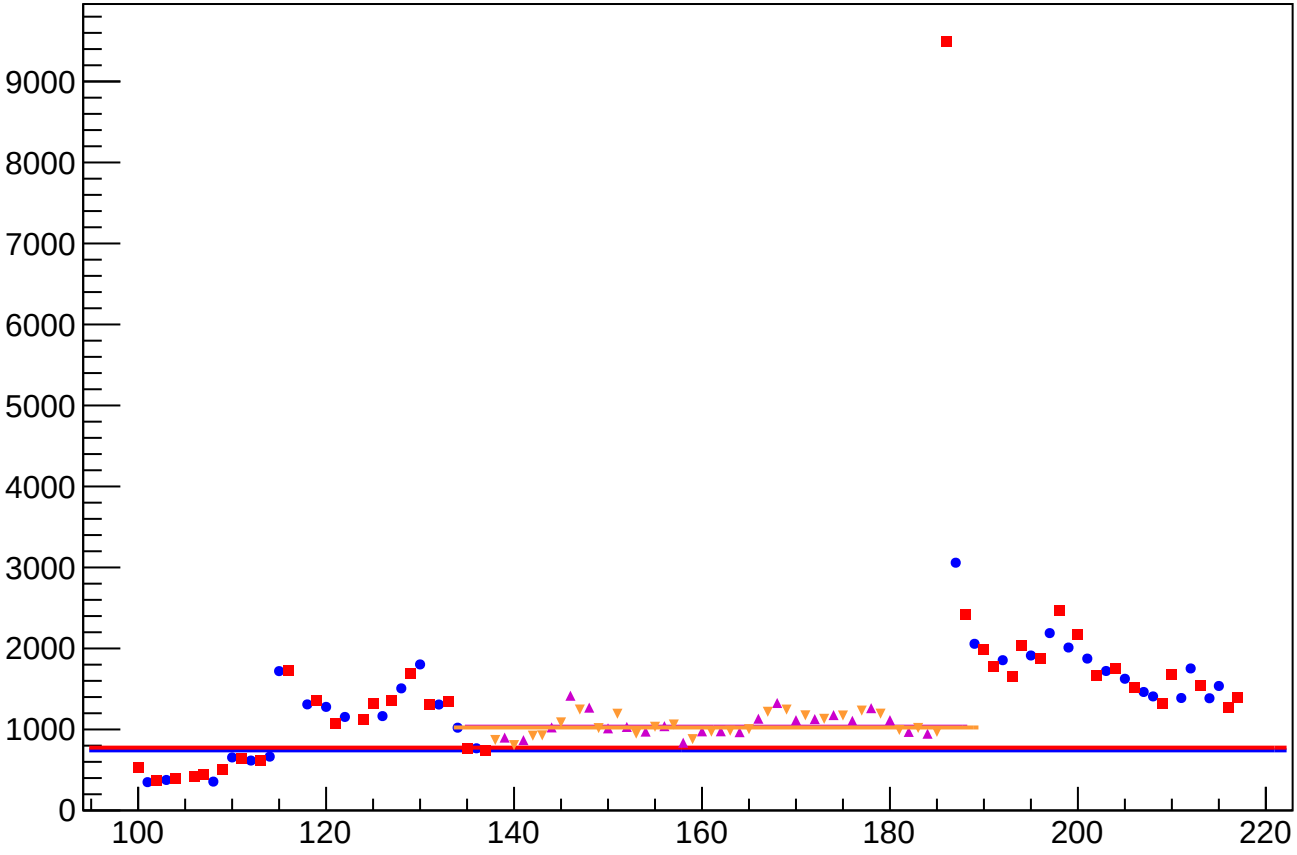
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 410.101+/-155.884 χ^2/NDF: 71.3/55

All: 209.572+/-111.207 χ^2/NDF: 142.4/114

- sign 1.742+/-158.696 χ^2/NDF: 67.7/58

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 741.890+/-0.147 χ^2/NDF: 12856585.4/30

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 775.600+/-0.148 χ^2/NDF: 13270918.8/35

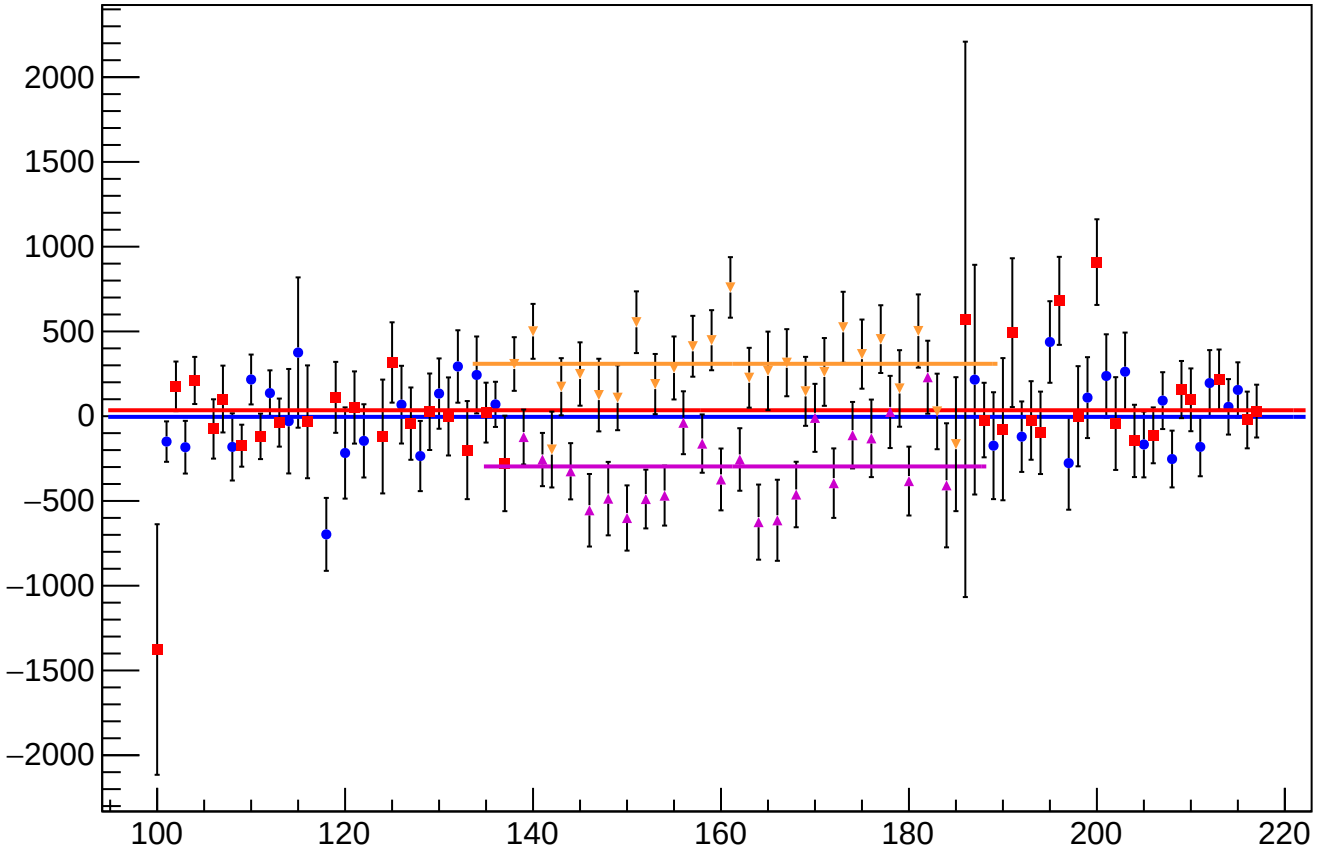
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 866.150+/-0.110 χ^2/NDF: 15073637.5/55

All: 875.381+/-0.079 χ^2/NDF: 30285355.8/11

- sign 884.947+/-0.112 χ^2/NDF: 15197437.5/58

dit_asym_sam6_mean vs Slug



Right In: -4.024+/-34.799 χ^2/NDF: 38.3/30

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.031+/-33.682 χ^2/NDF: 38.3/35

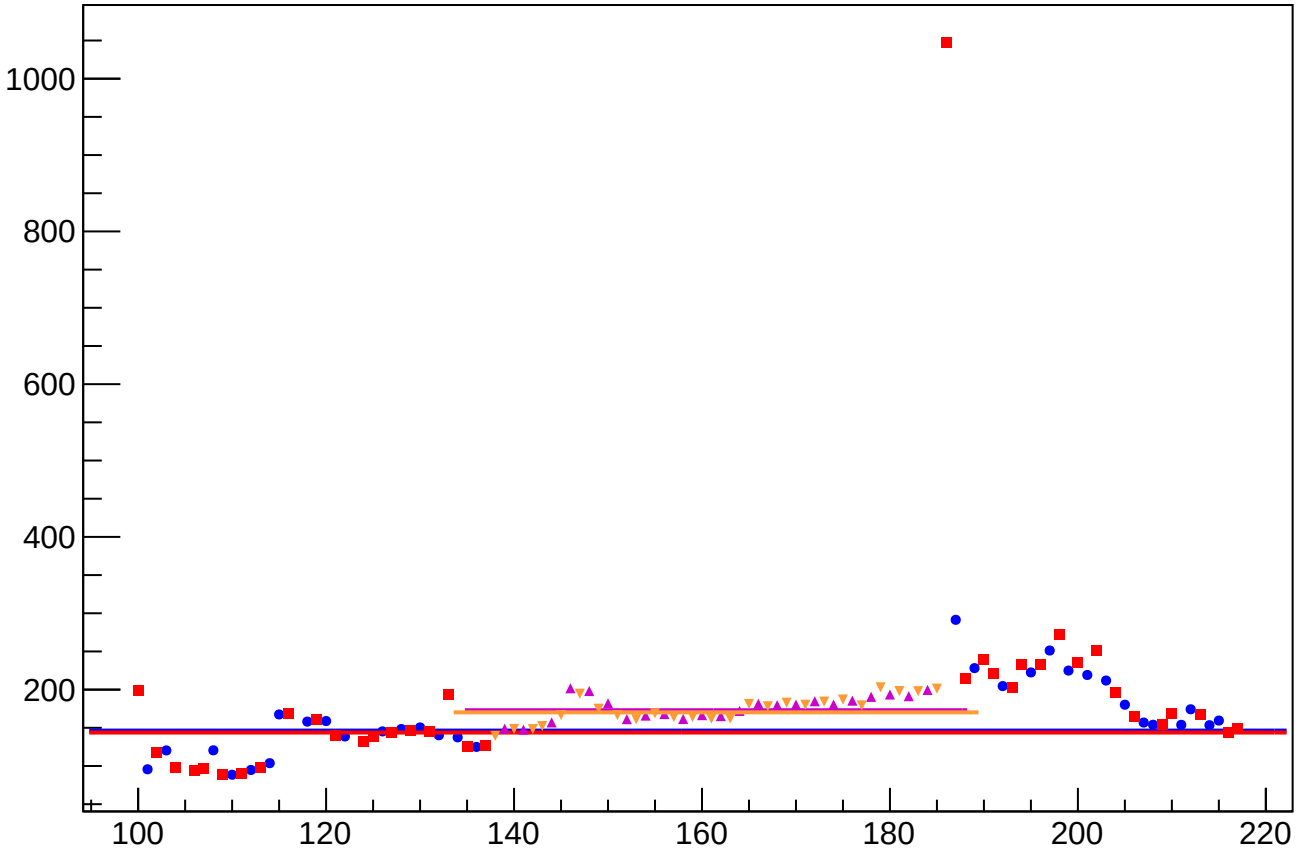
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 135.136+/-25.936 χ^2/NDF: 99.9/55

All: 17.467+/-18.335 χ^2/NDF: 246.6/114

- sign -100.096+/-25.924 χ^2/NDF: 105.6/58

dit_asym_sam6_rms vs Slug



Right In: 146.369+/-0.025 χ^2/NDF: 2729818.2/30

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 143.800+/-0.024 χ^2/NDF: 4423418.4/35

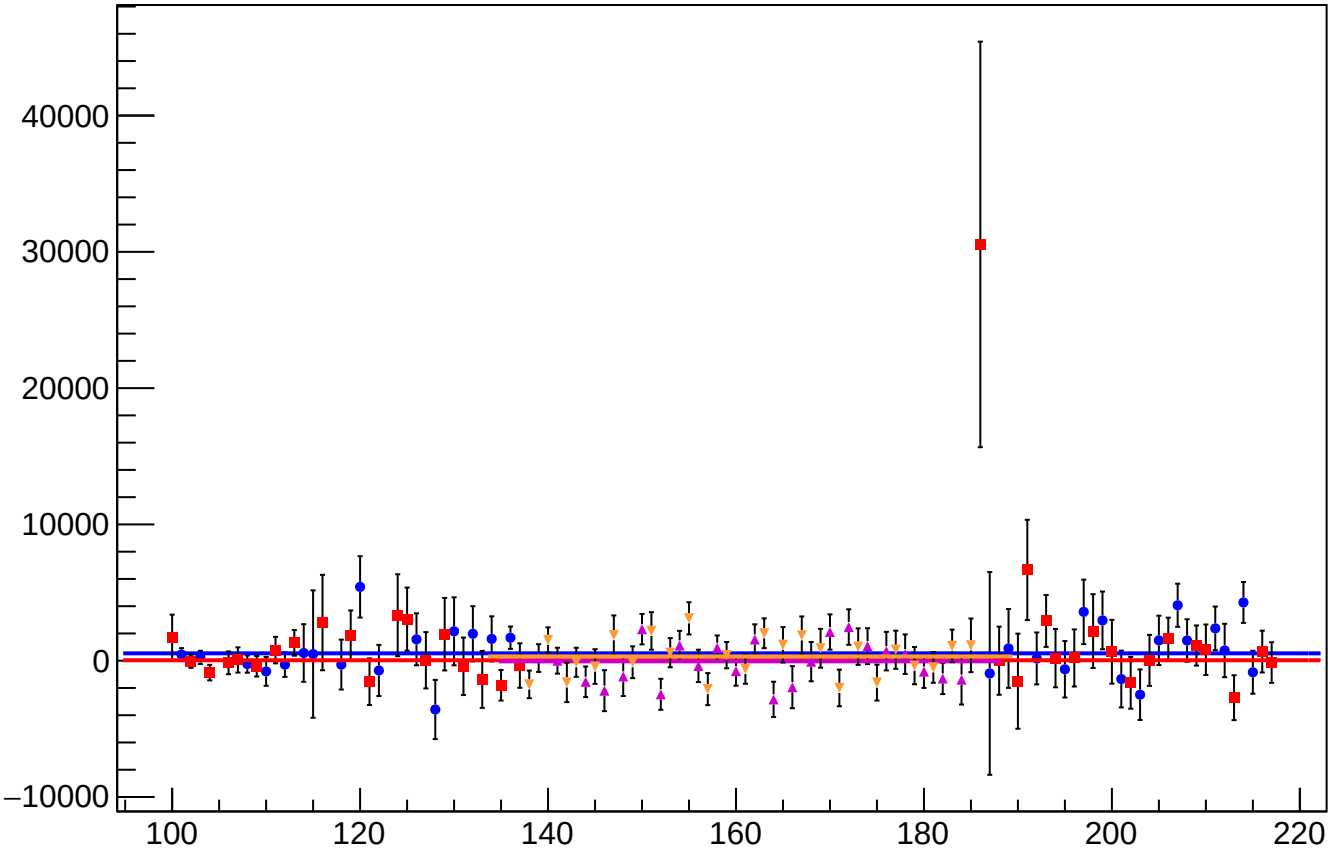
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.980+/-0.018 χ^2/NDF: 3514458.5/55

All: 156.346+/-0.013 χ^2/NDF: 8847649.7/114

- sign 155.711+/-0.018 χ^2/NDF: 5330794.6/58

asym_sam6_dit_correction_mean vs Slug



Right In: 540.541+/-216.534 χ^2/NDF: 37.7/30

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 33.047+/-215.011 χ^2/NDF: 31.6/35

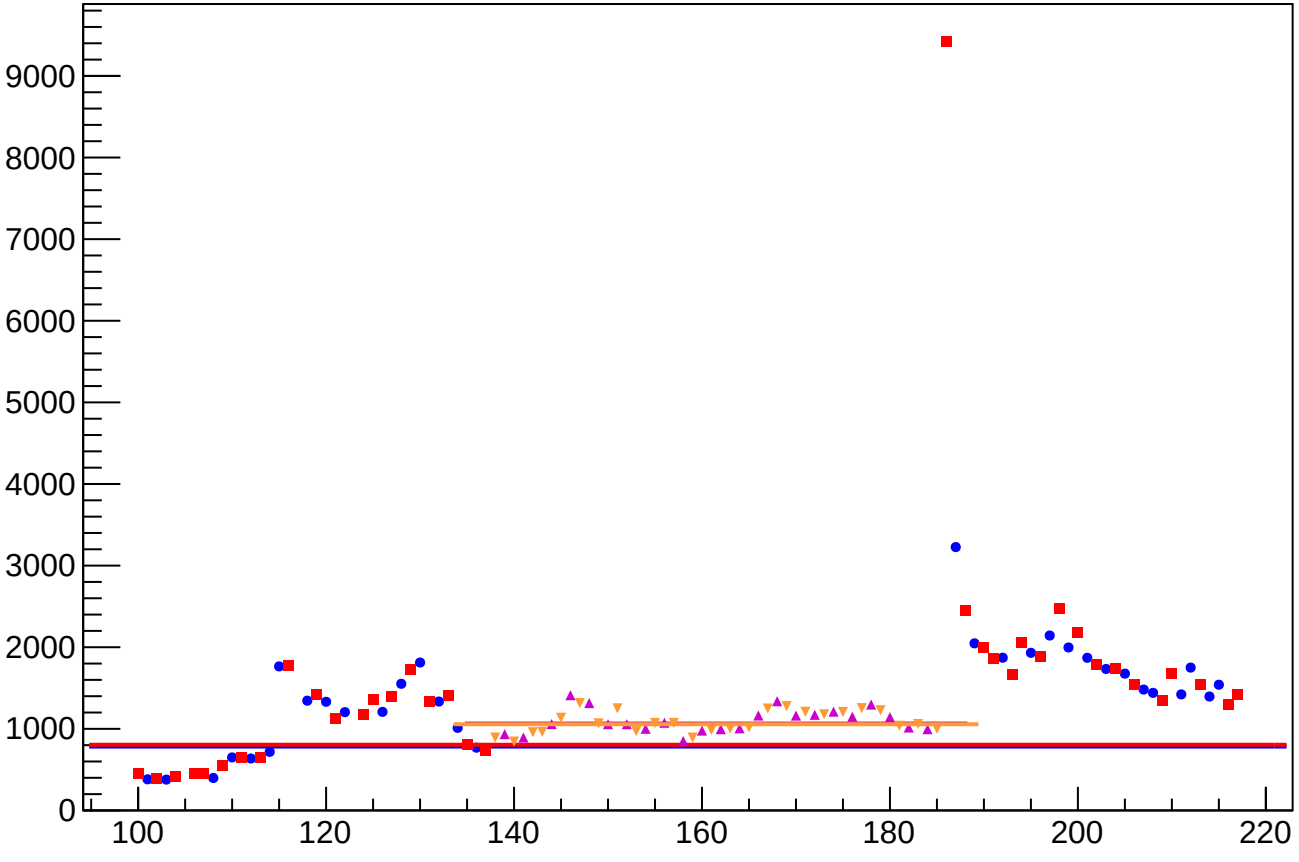
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 439.840+/-161.487 χ^2/NDF: 71.1/55

All: 222.017+/-114.845 χ^2/NDF: 140.8/114

- sign -0.890+/-163.360 χ^2/NDF: 66.1/58

asym_sam6_dit_correction_rms vs Slug



Right In: 782.908+/-0.153 χ^2/NDF: 12132305.5/30

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 805.224+/-0.152 χ^2/NDF: 12974064.4/35

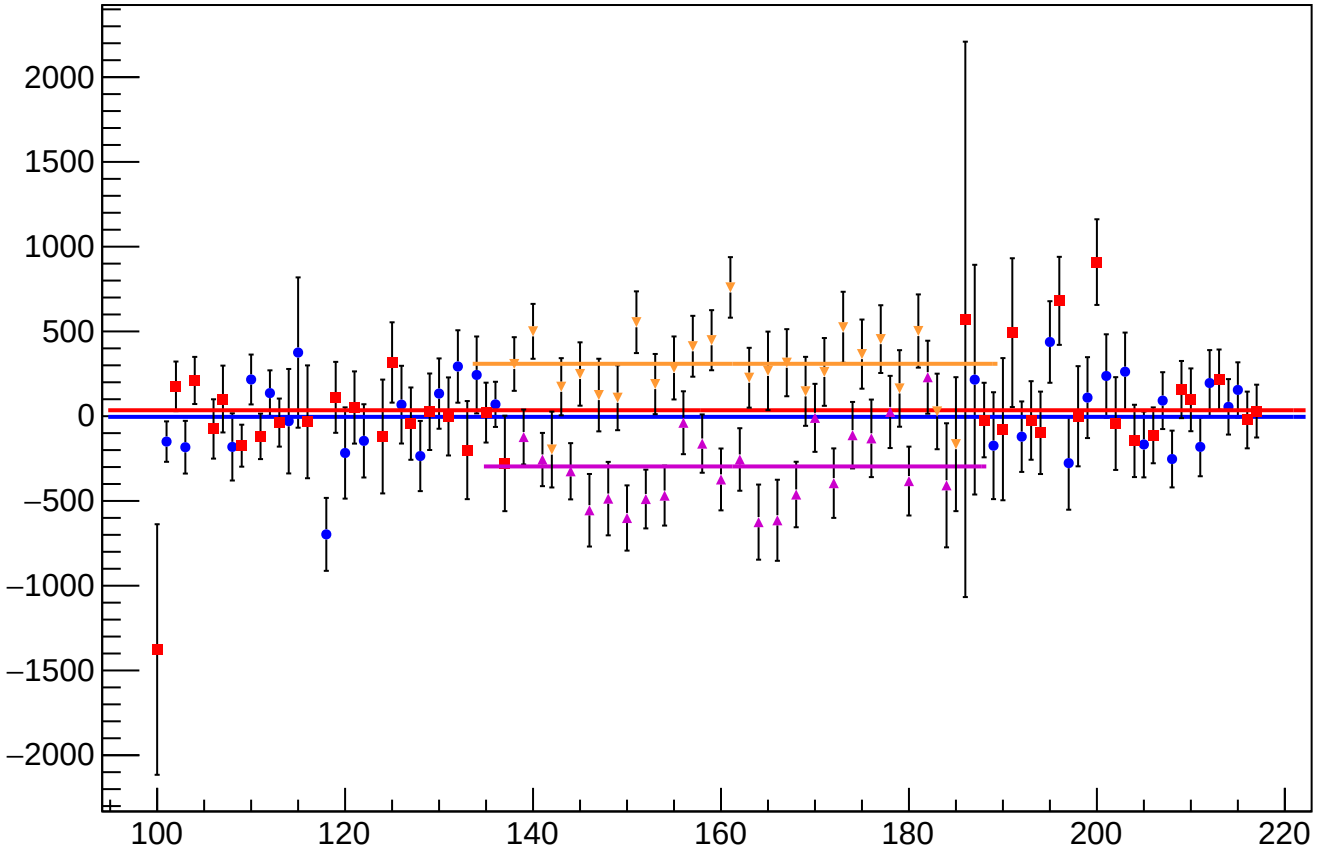
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 904.255+/-0.114 χ^2/NDF: 14158287.1/55

All: 909.522+/-0.081 χ^2/NDF: 28978964.3/11

- sign 914.912+/-0.116 χ^2/NDF: 14816373.0/58

eigen_dit_asym_sam6_mean vs Slug



Right In: -4.026+/-34.799 χ^2/NDF: 38.3/30

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.030+/-33.682 χ^2/NDF: 38.3/35

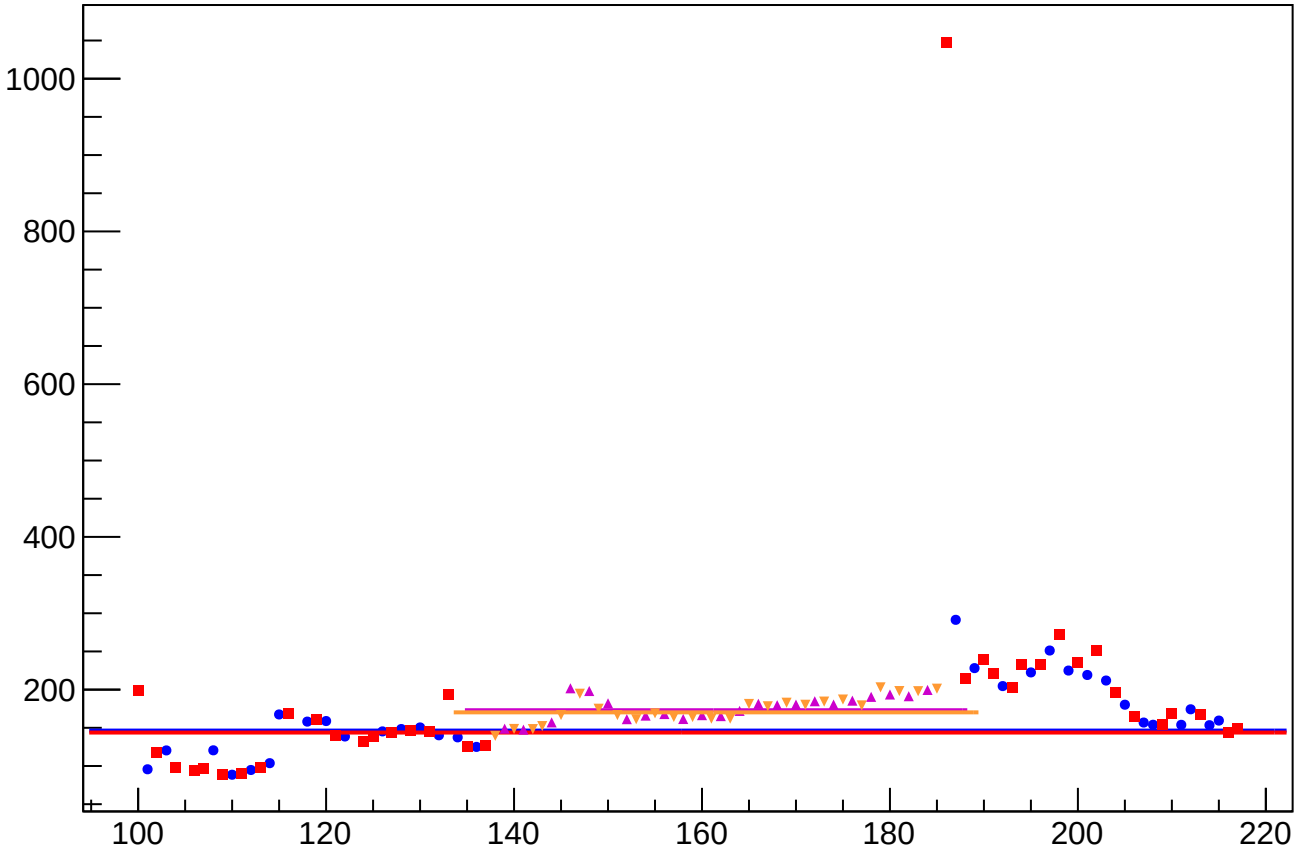
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 135.136+/-25.936 χ^2/NDF: 99.9/55

All: 17.467+/-18.335 χ^2/NDF: 246.6/114

- sign -100.097+/-25.924 χ^2/NDF: 105.6/58

eigen_dit_asym_sam6_rms vs Slug



Right In: 146.369+/-0.025 χ^2/NDF: 2729837.4/30

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 143.799+/-0.024 χ^2/NDF: 4423425.8/35

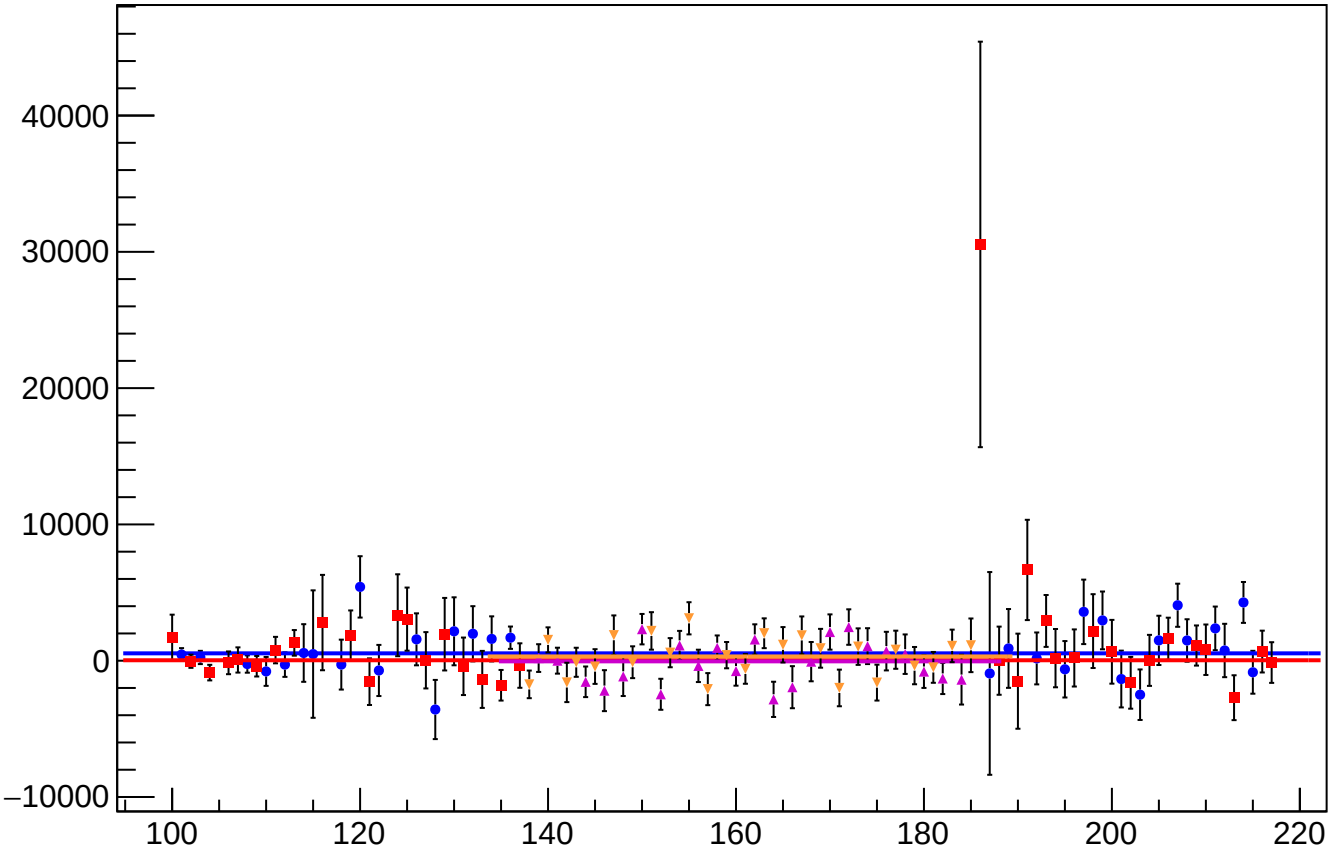
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.980+/-0.018 χ^2/NDF: 3514480.7/55

All: 156.345+/-0.013 χ^2/NDF: 8847681.7/114

- sign 155.711+/-0.018 χ^2/NDF: 5330804.5/58

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 540.540+/-216.534 χ^2/NDF: 37.7/30

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 33.046+/-215.011 χ^2/NDF: 31.6/35

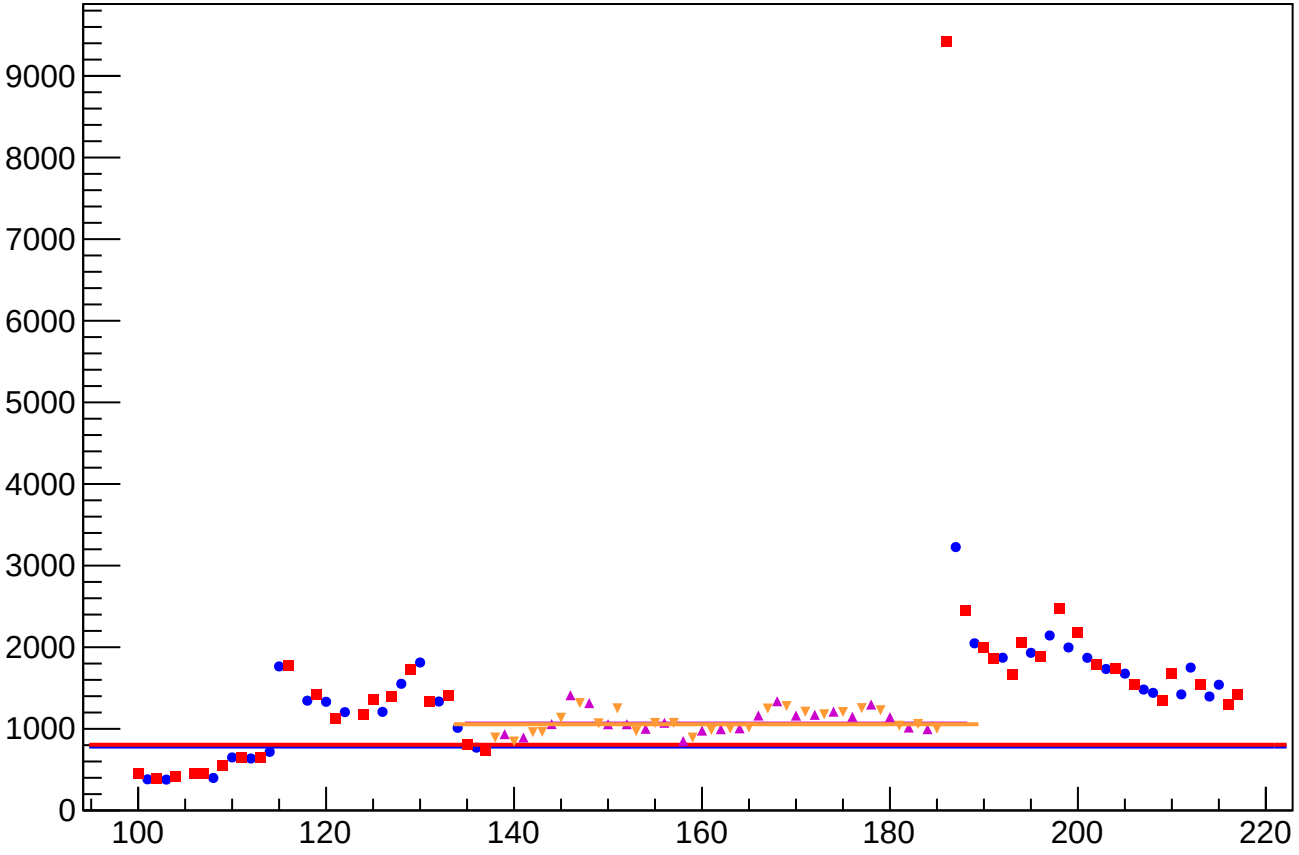
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 439.840+/-161.486 χ^2/NDF: 71.1/55

All: 222.017+/-114.845 χ^2/NDF: 140.8/114

- sign -0.891+/-163.360 χ^2/NDF: 66.1/58

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 782.907+/-0.153 χ^2/NDF: 12132321.0/30

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 805.223+/-0.152 χ^2/NDF: 12974072.0/35

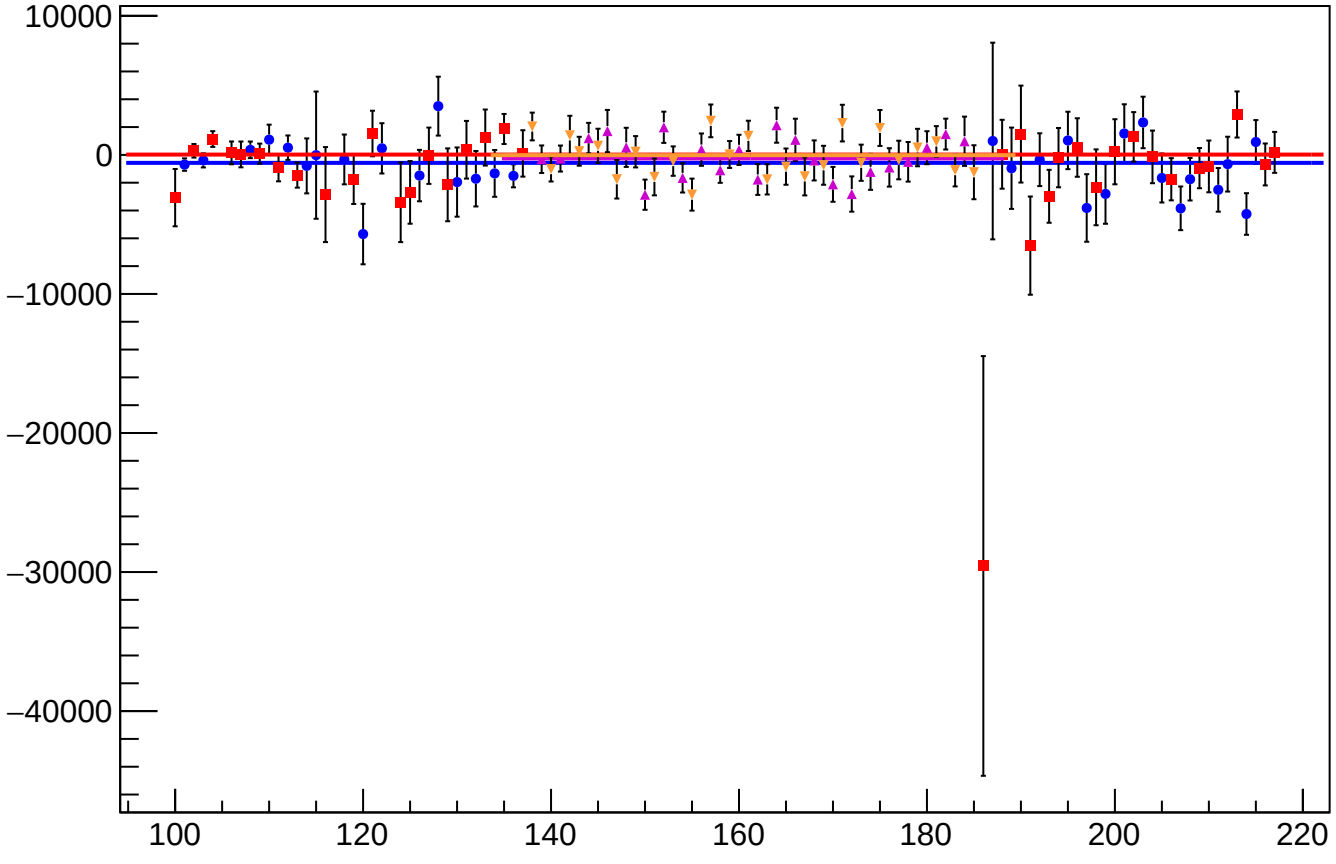
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 904.255+/-0.114 χ^2/NDF: 14158320.7/55

All: 909.521+/-0.081 χ^2/NDF: 28979016.1/11

- sign 914.911+/-0.116 χ^2/NDF: 14816391.0/58

asym_sam6_mean vs Slug



Right In: -573.344+/-213.477 χ^2/NDF: 39.4/30

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 21.597+/-212.967 χ^2/NDF: 36.2/35

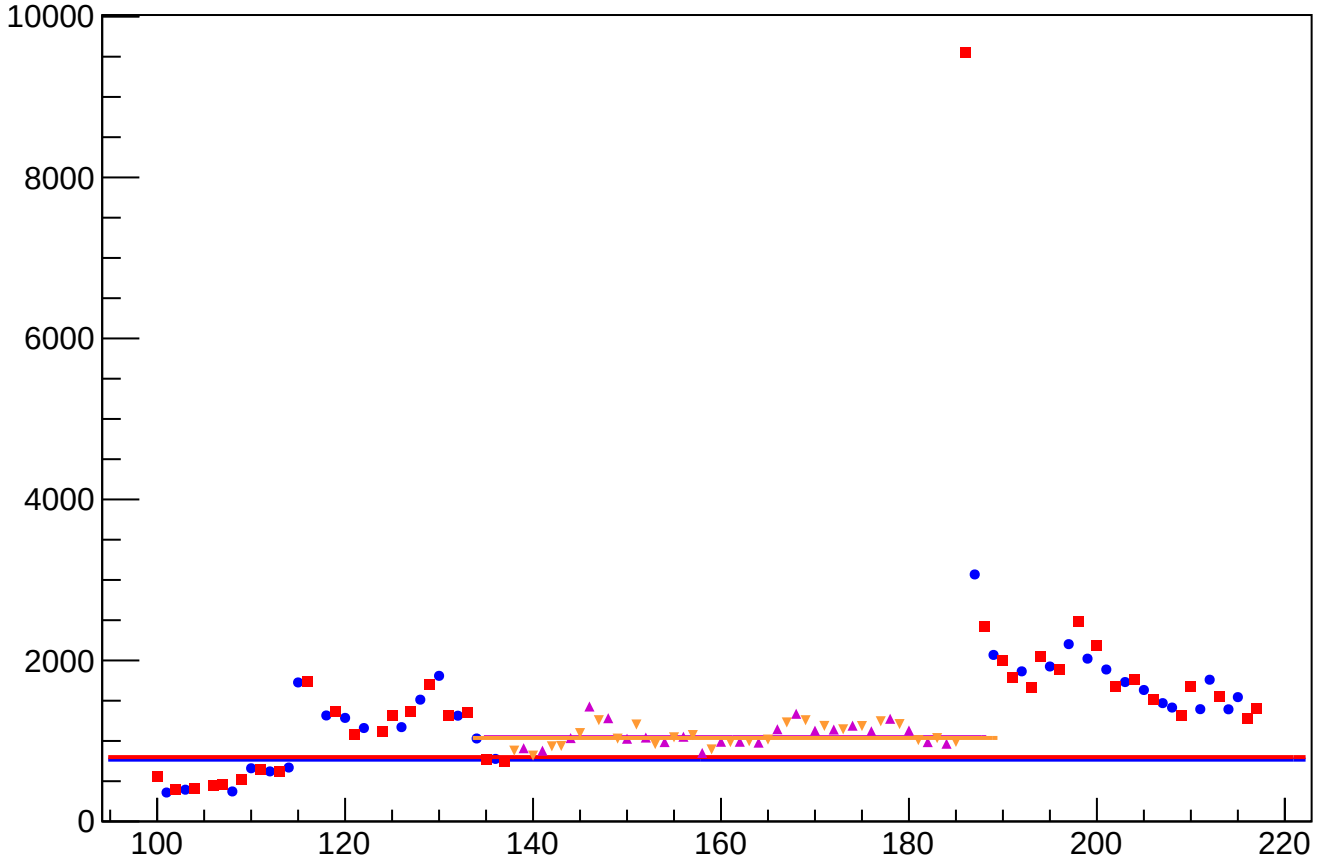
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -327.437+/-158.908 χ^2/NDF: 76.8/55

All: -213.682+/-113.218 χ^2/NDF: 148.3/114

- sign -96.407+/-161.348 χ^2/NDF: 70.4/58

asym_sam6_rms vs Slug



Right In: 767.650+/-0.151 χ^2/NDF: 12373901.9/30

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 799.396+/-0.151 χ^2/NDF: 12805346.3/35

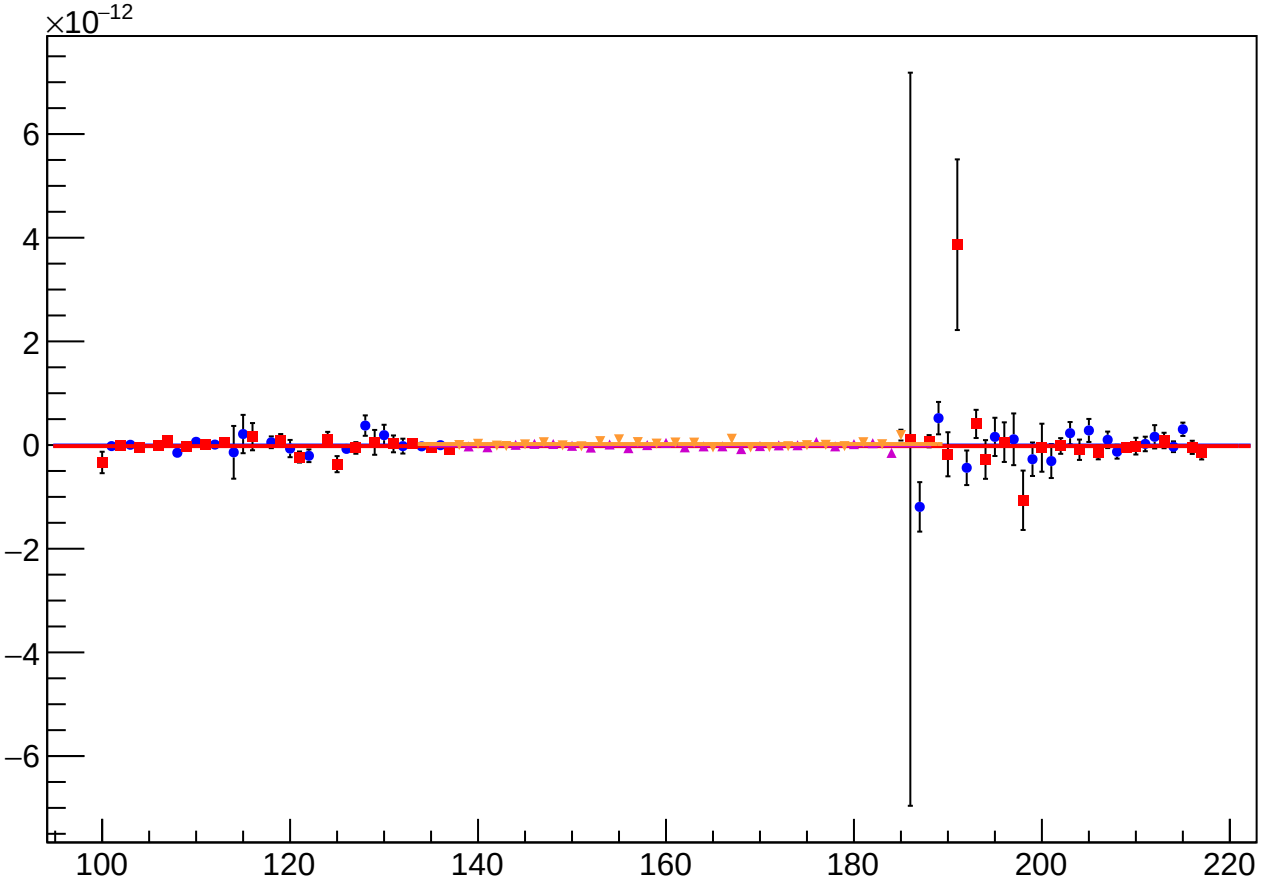
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 887.898+/-0.112 χ^2/NDF: 14382543.4/55

All: 896.391+/-0.080 χ^2/NDF: 28970416.7/11

- sign 905.146+/-0.114 χ^2/NDF: 14576272.0/58

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

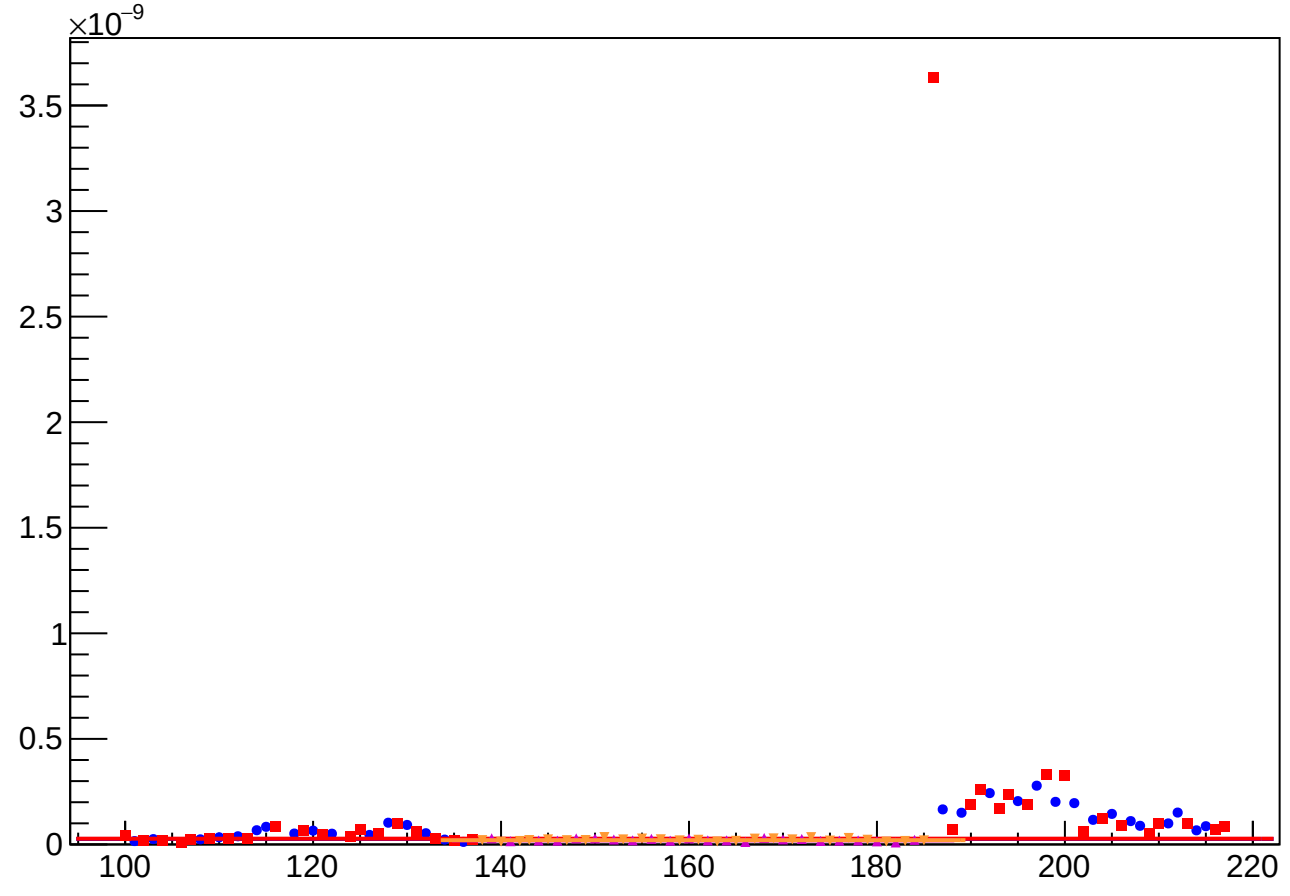
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.2/55

All: 0.000+/-0.000 χ^2/NDF: 133.1/114

- sign -0.000+/-0.000 χ^2/NDF: 54.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 9700566.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9027470.7/35

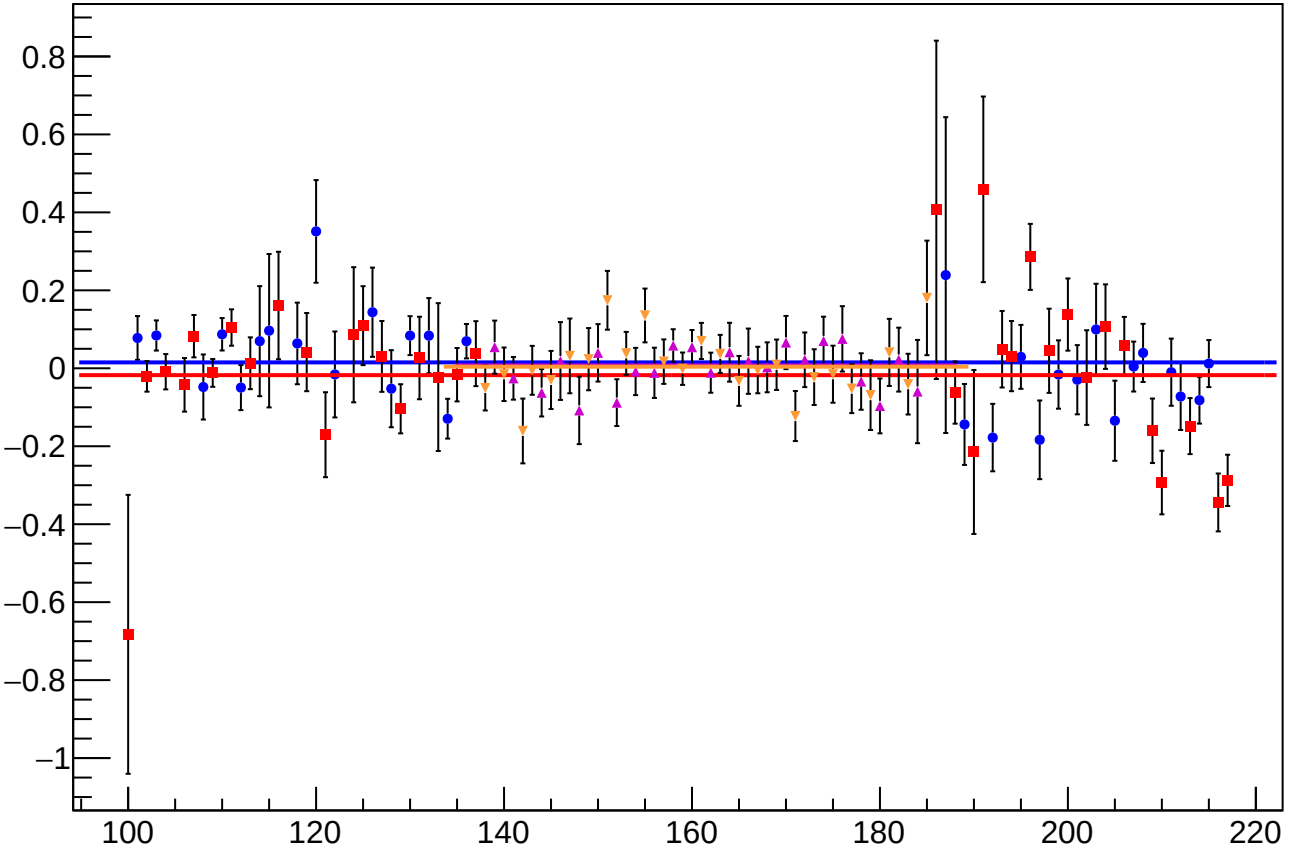
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11008723.6/55

All: 0.000+/-0.000 χ^2/NDF: 21647830.6/114

- sign 0.000+/-0.000 χ^2/NDF: 10633977.7/58

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

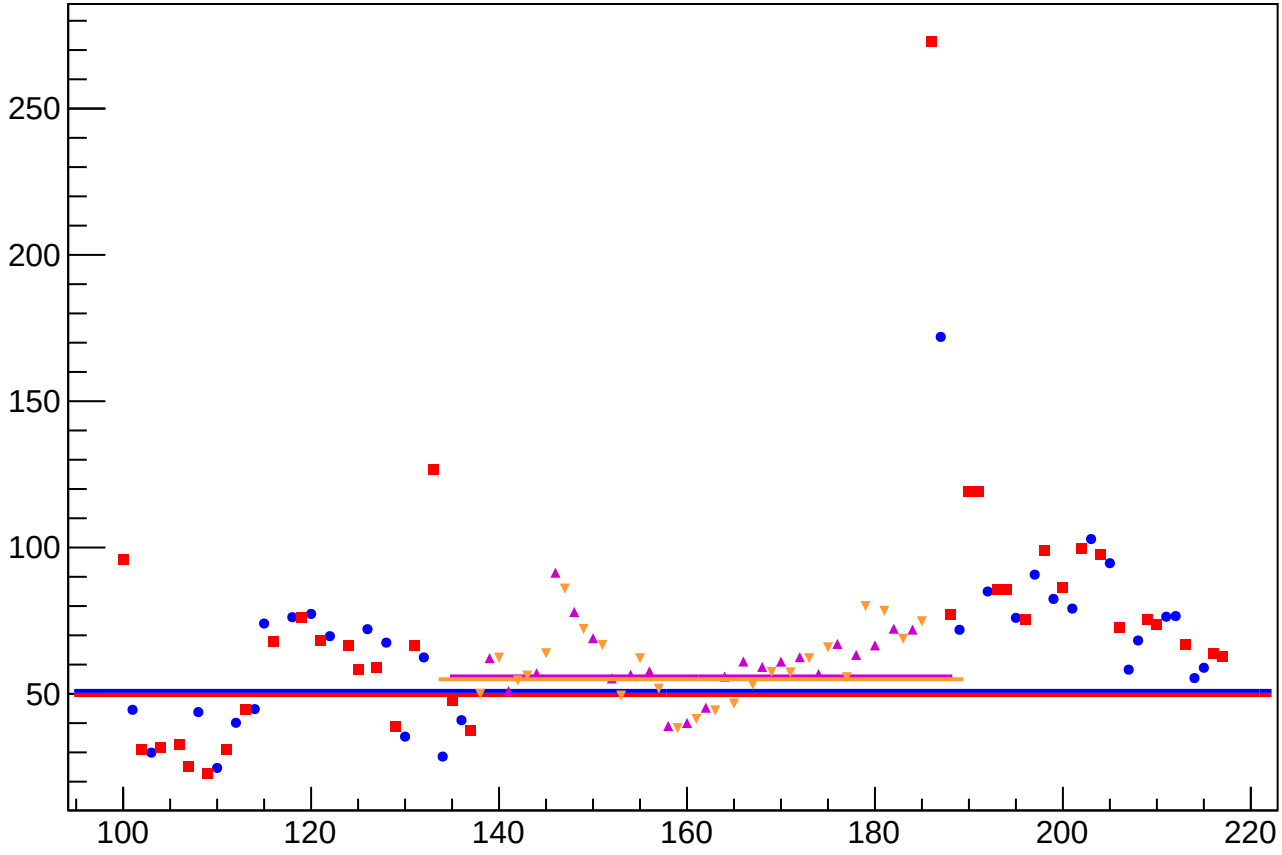
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/55

All: 0.002+/-0.006 χ^2/NDF: 193.9/114

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 51.018+/-0.009 χ^2/NDF: 5429988.1/30

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

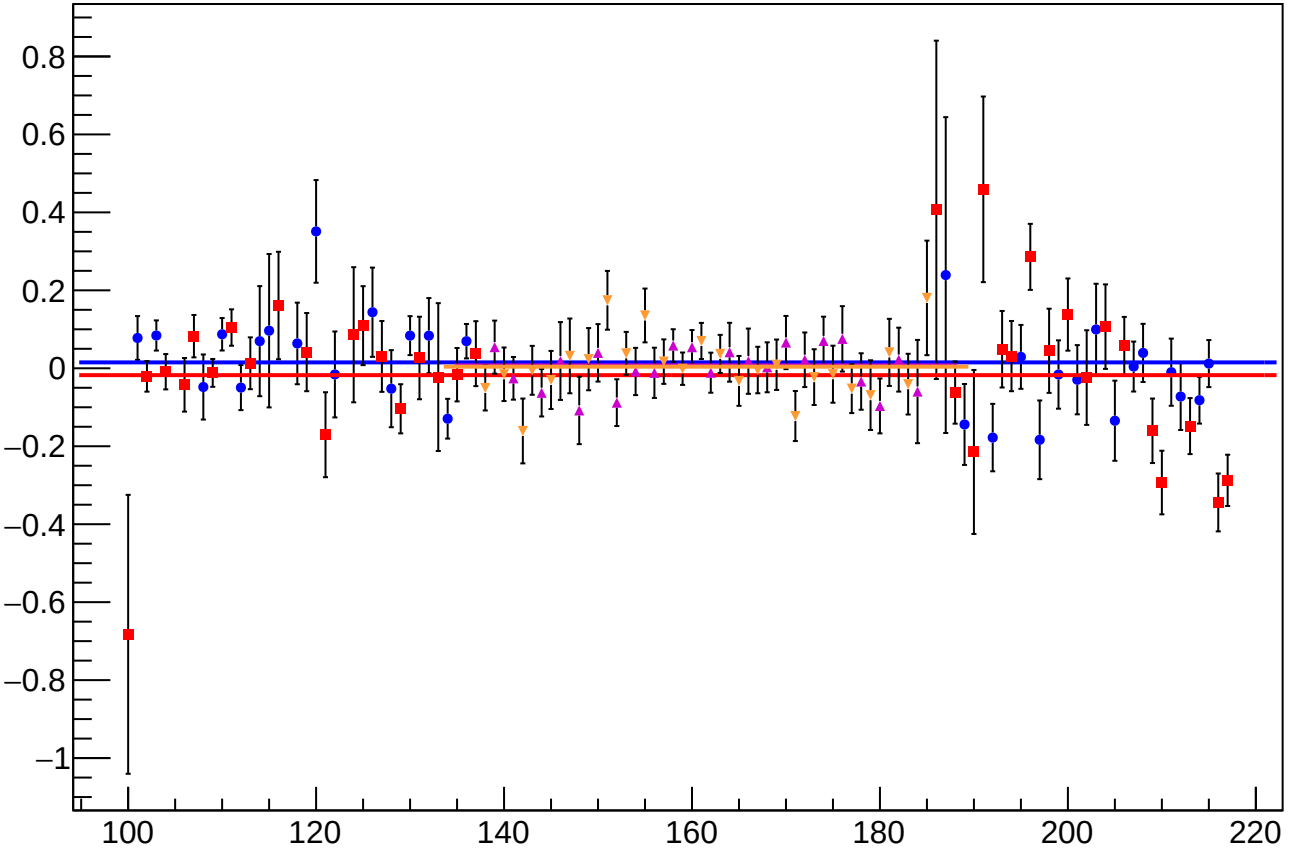
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.988+/-0.006 χ^2/NDF: 7091332.5/55

All: 52.765+/-0.005 χ^2/NDF: 16516670.9/114

- sign 52.539+/-0.006 χ^2/NDF: 9422932.4/58

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

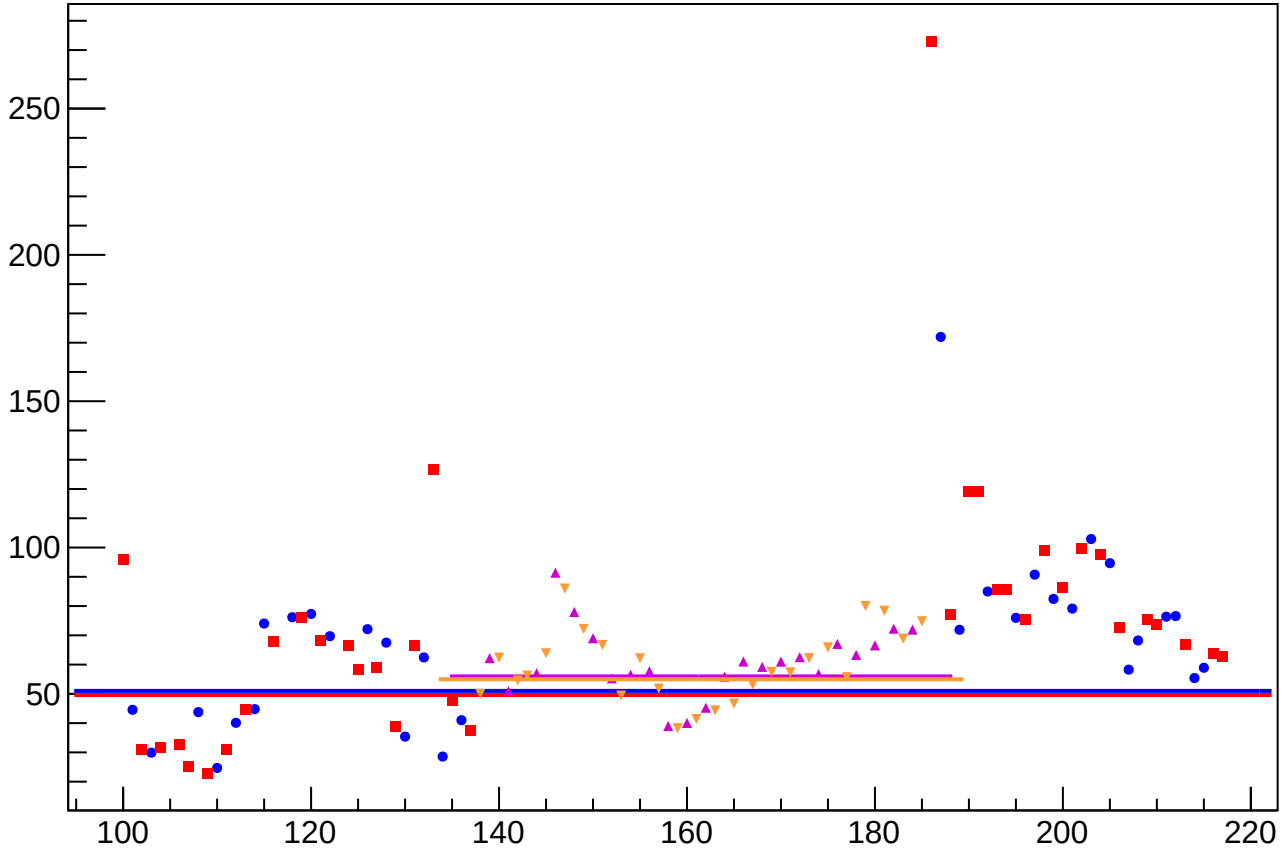
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/55

All: 0.002+/-0.006 χ^2/NDF: 193.9/114

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.018+/-0.009 χ^2/NDF: 5429988.1/30

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

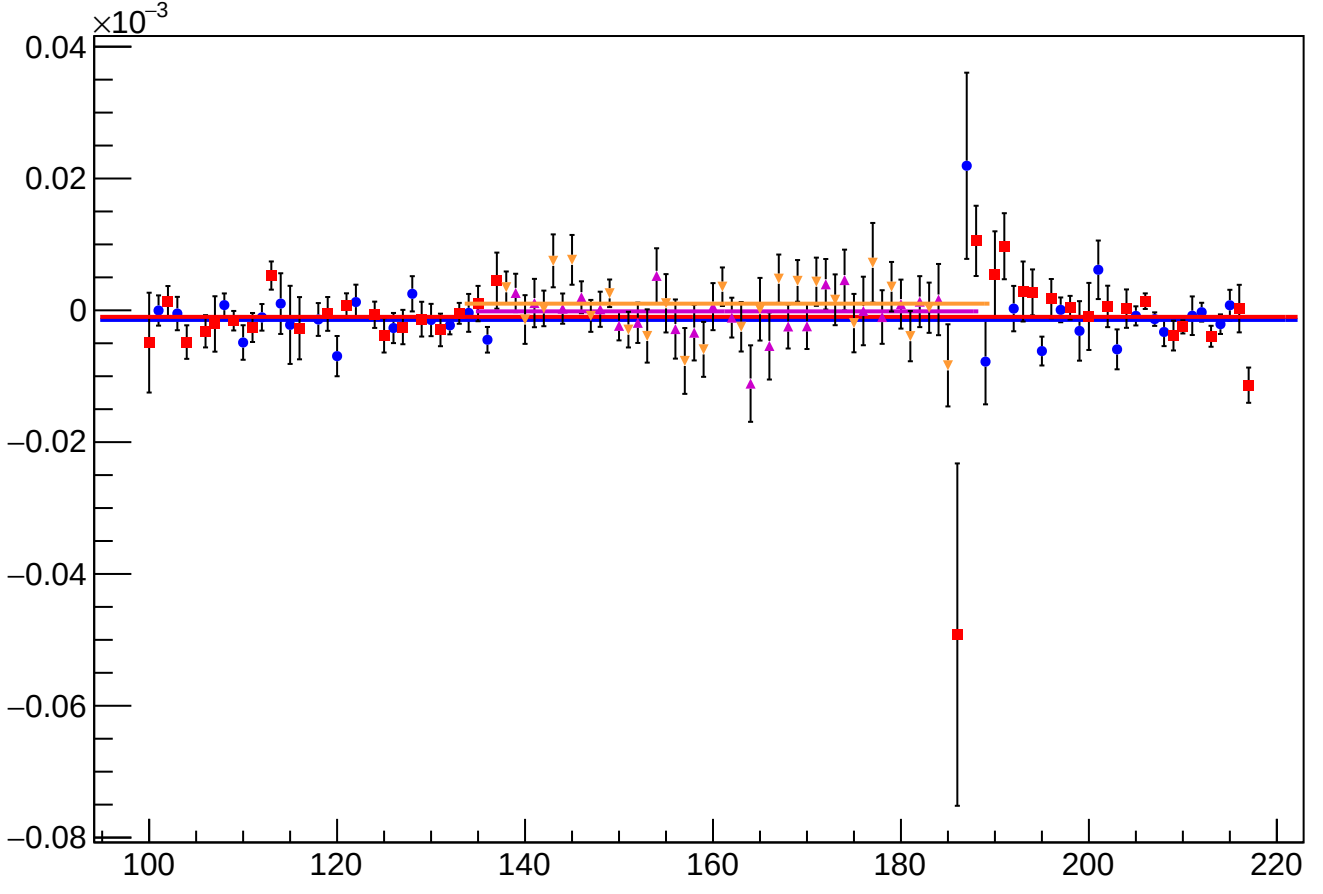
Right Out: 49.612+/-0.009 χ^2/NDF: 7779513.2/35

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.988+/-0.006 χ^2/NDF: 7091332.5/55

All: 52.765+/-0.005 χ^2/NDF: 16516670.9/114

- sign 52.539+/-0.006 χ^2/NDF: 9422932.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 63.2/35

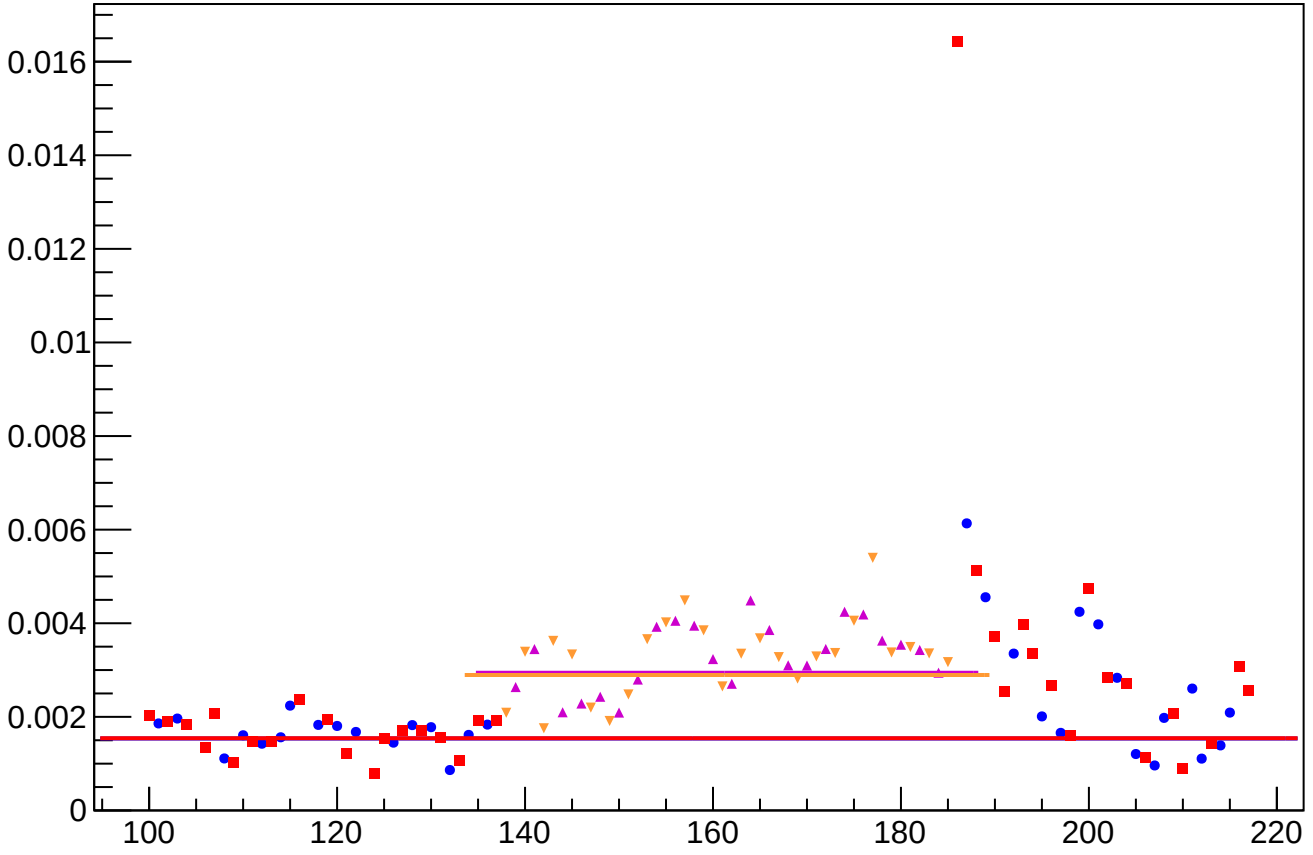
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.5/55

All: -0.000+/-0.000 χ^2/NDF: 147.7/114

- sign -0.000+/-0.000 χ^2/NDF: 78.3/58

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5266226.8/30

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7660797.5/35

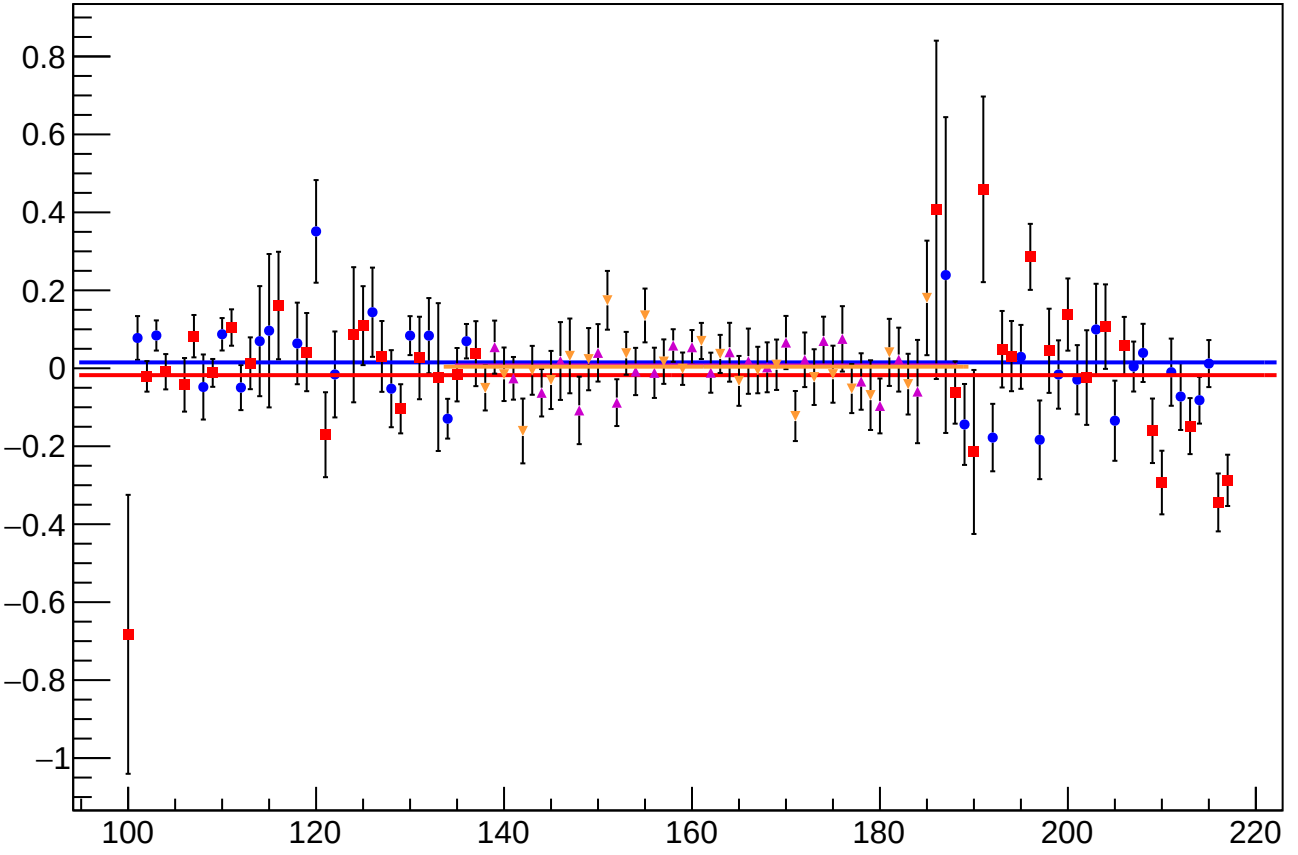
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 13844636.6/55

All: 0.002+/-0.000 χ^2/NDF: 29413207.9/114

- sign 0.002+/-0.000 χ^2/NDF: 15568131.2/58

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/30

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.013 χ^2/NDF: 101.9/35

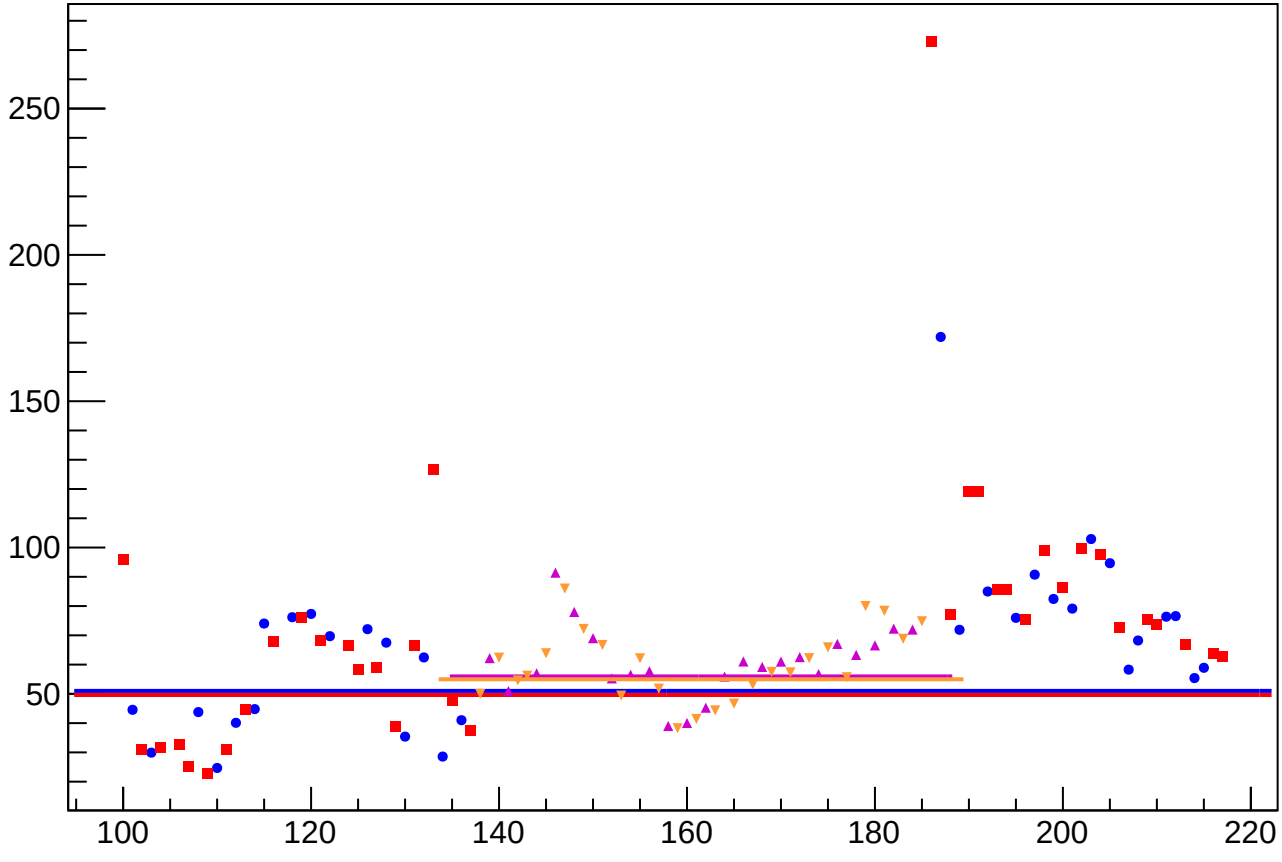
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/55

All: 0.002+/-0.006 χ^2/NDF: 193.9/114

- sign -0.006+/-0.009 χ^2/NDF: 118.8/58

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 51.018+/-0.009 χ^2/NDF: 5430123.7/30

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

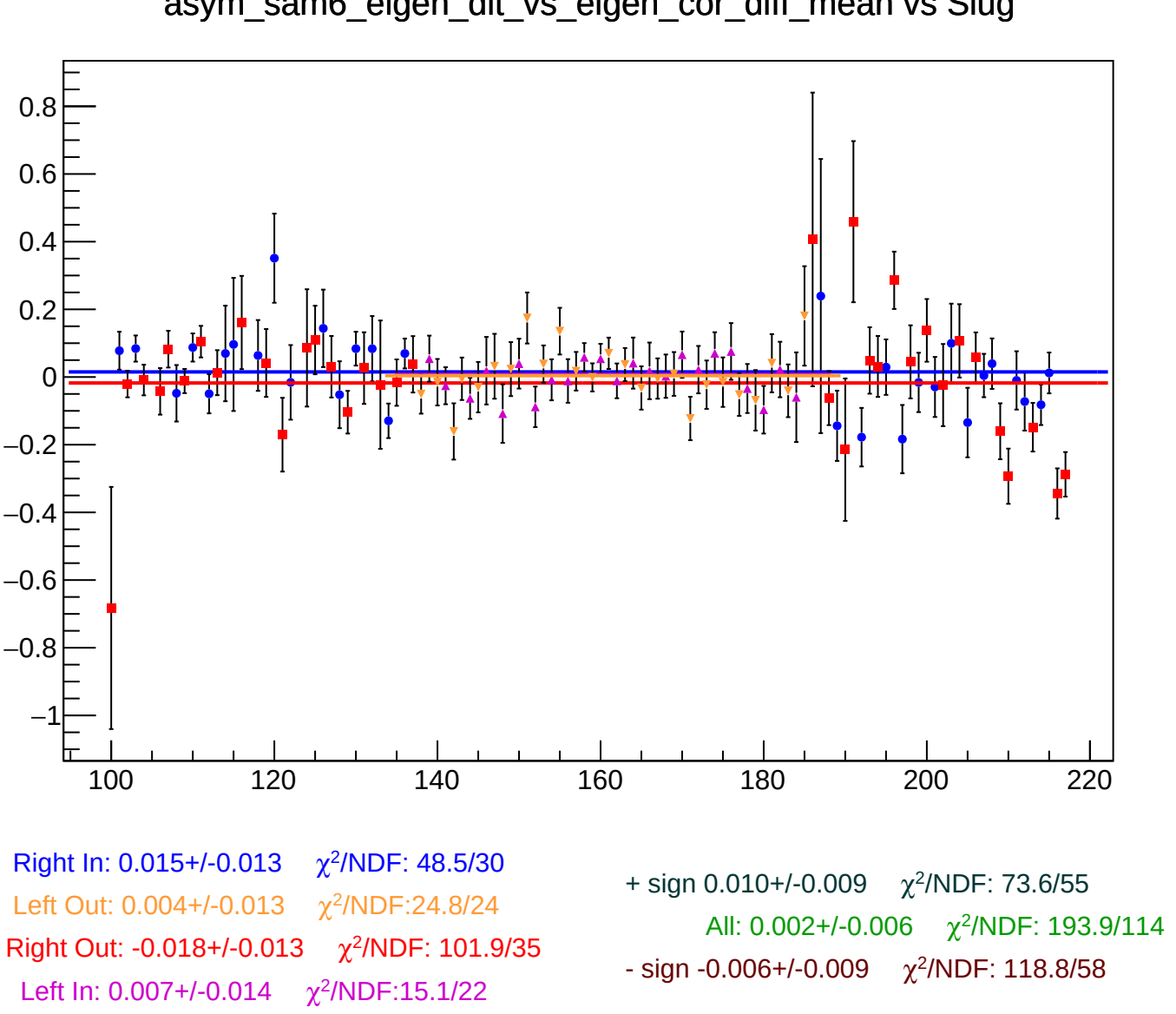
Right Out: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

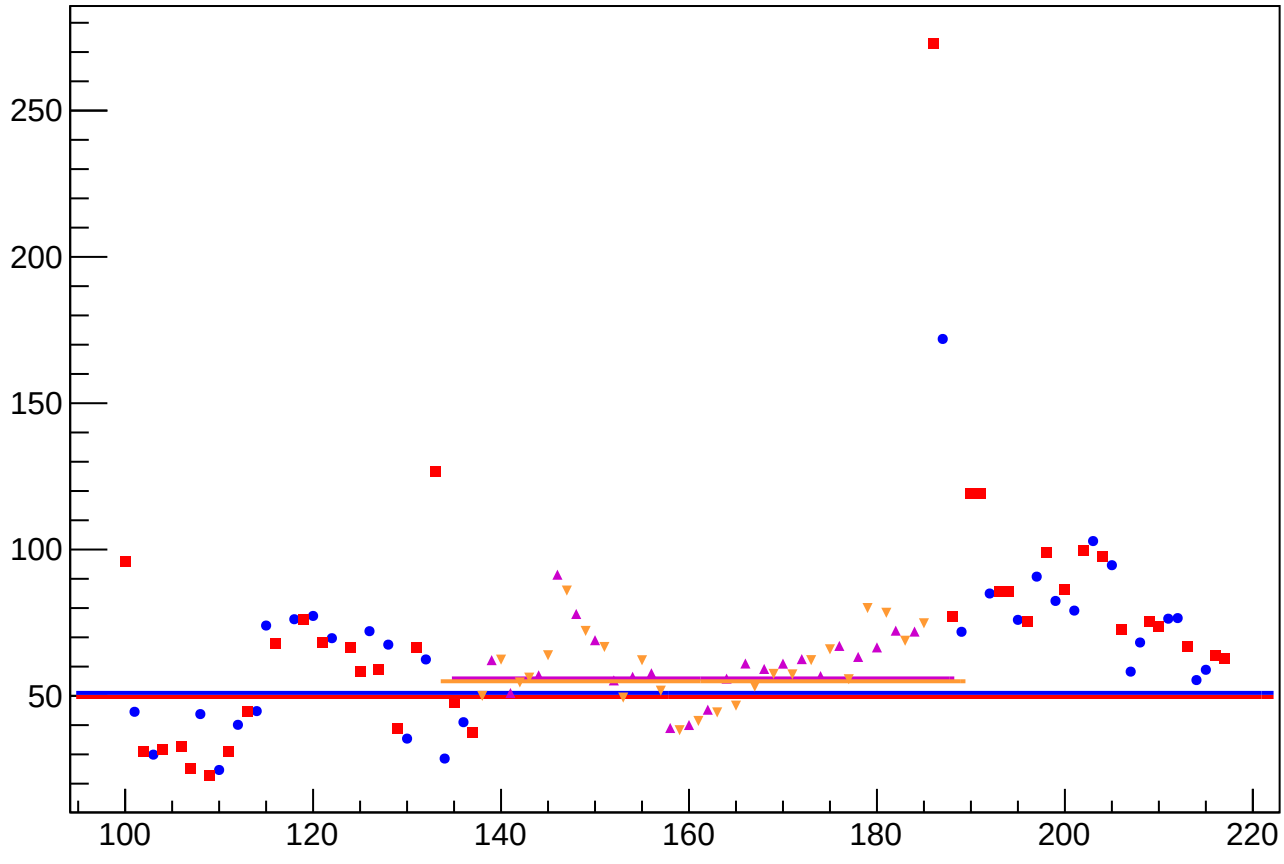
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.987+/-0.006 χ^2/NDF: 7091570.8/55

All: 52.764+/-0.005 χ^2/NDF: 16517049.3/114

- sign 52.538+/-0.006 χ^2/NDF: 9423073.4/58


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
220
Right In: 0.015+/-0.013 χ²/NDF: 48.5/30
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: -0.018+/-0.013 χ²/NDF: 101.9/35
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.010+/-0.009 χ²/NDF: 73.6/55
All: 0.002+/-0.006 χ²/NDF: 193.9/114
- sign -0.006+/-0.009 χ²/NDF: 118.8/58



Right In: 51.018+/-0.009 χ^2/NDF: 5430123.7/30

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

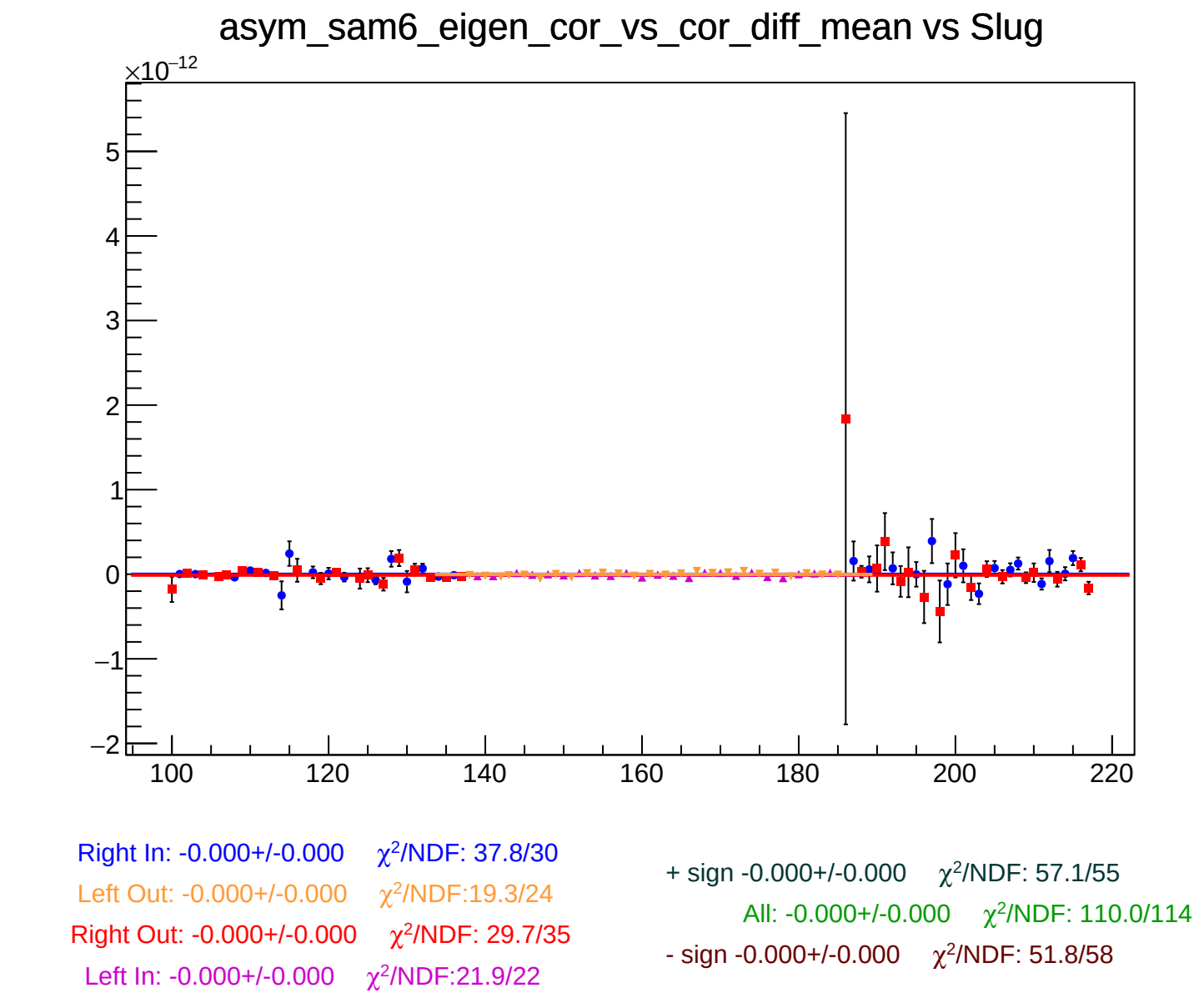
Right Out: 49.611+/-0.009 χ^2/NDF: 7779543.5/35

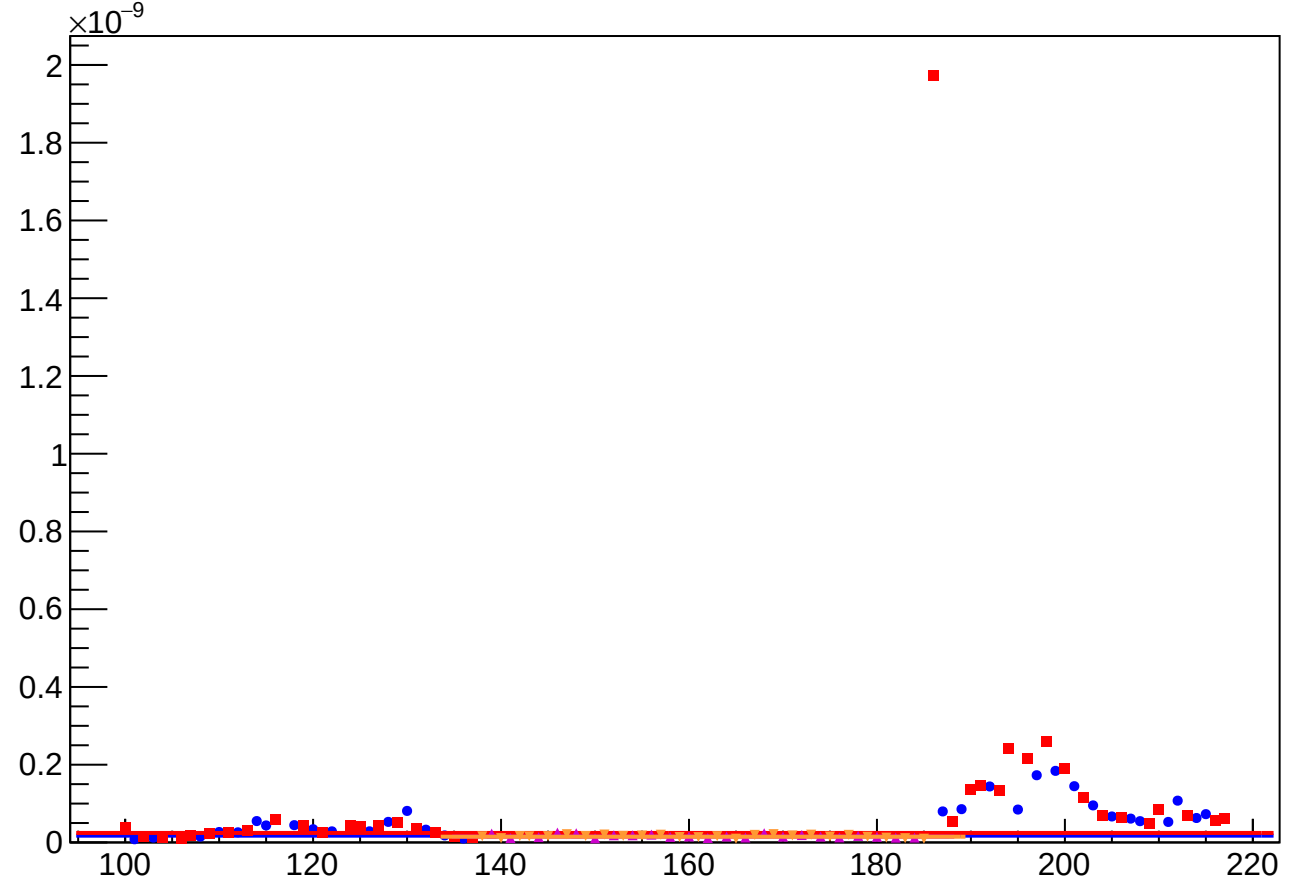
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.987+/-0.006 χ^2/NDF: 7091570.8/55

All: 52.764+/-0.005 χ^2/NDF: 16517049.3/114

- sign 52.538+/-0.006 χ^2/NDF: 9423073.4/58


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
220
Right In: -0.000+/-0.000 χ²/NDF: 37.8/30
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.7/35
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 57.1/55
All: -0.000+/-0.000 χ²/NDF: 110.0/114
- sign -0.000+/-0.000 χ²/NDF: 51.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 13816936.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12515763.4/35

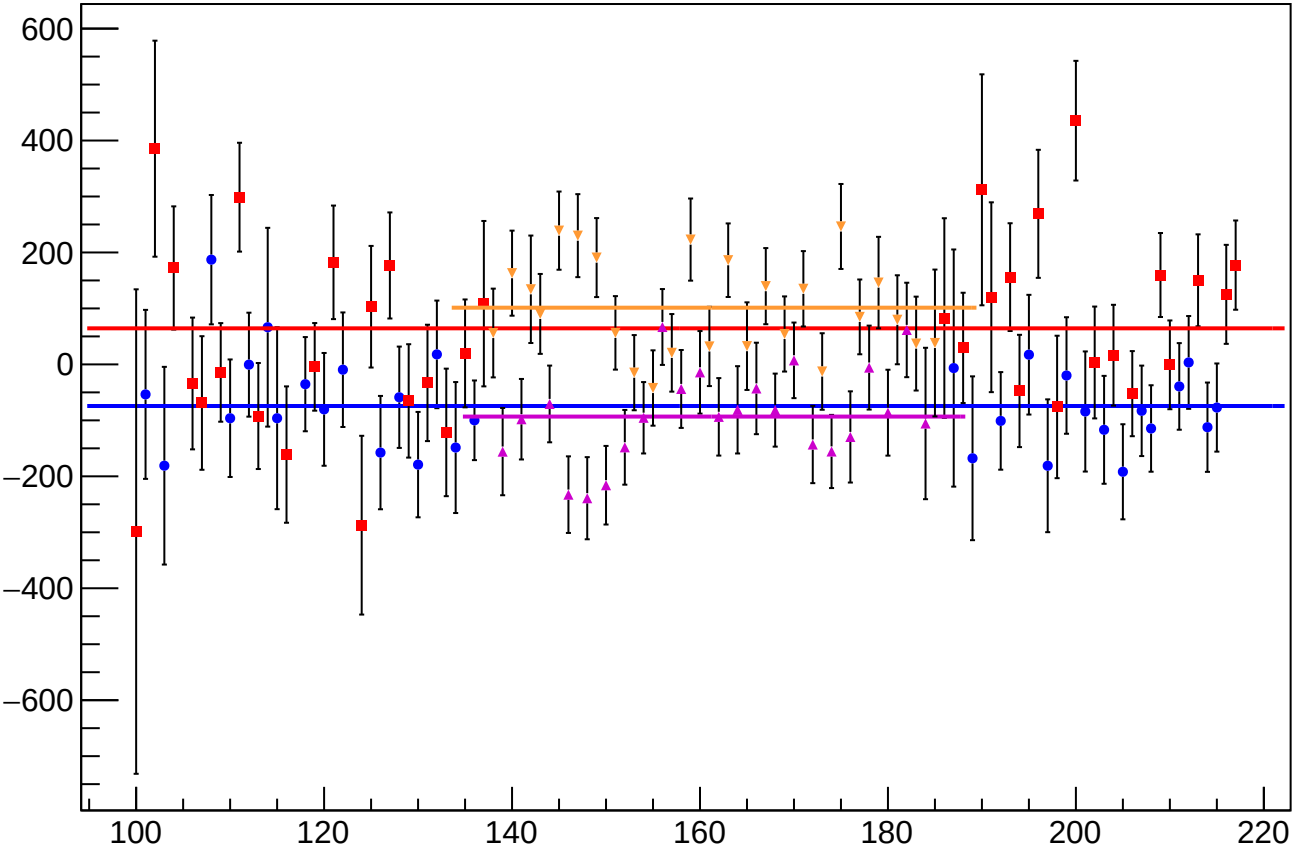
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15437441.7/55

All: 0.000+/-0.000 χ^2/NDF: 31487934.2/114

- sign 0.000+/-0.000 χ^2/NDF: 15915826.7/58

reg_asym_sam7_mean vs Slug



Right In: -74.345+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.430+/-17.204 χ^2/NDF: 62.3/35

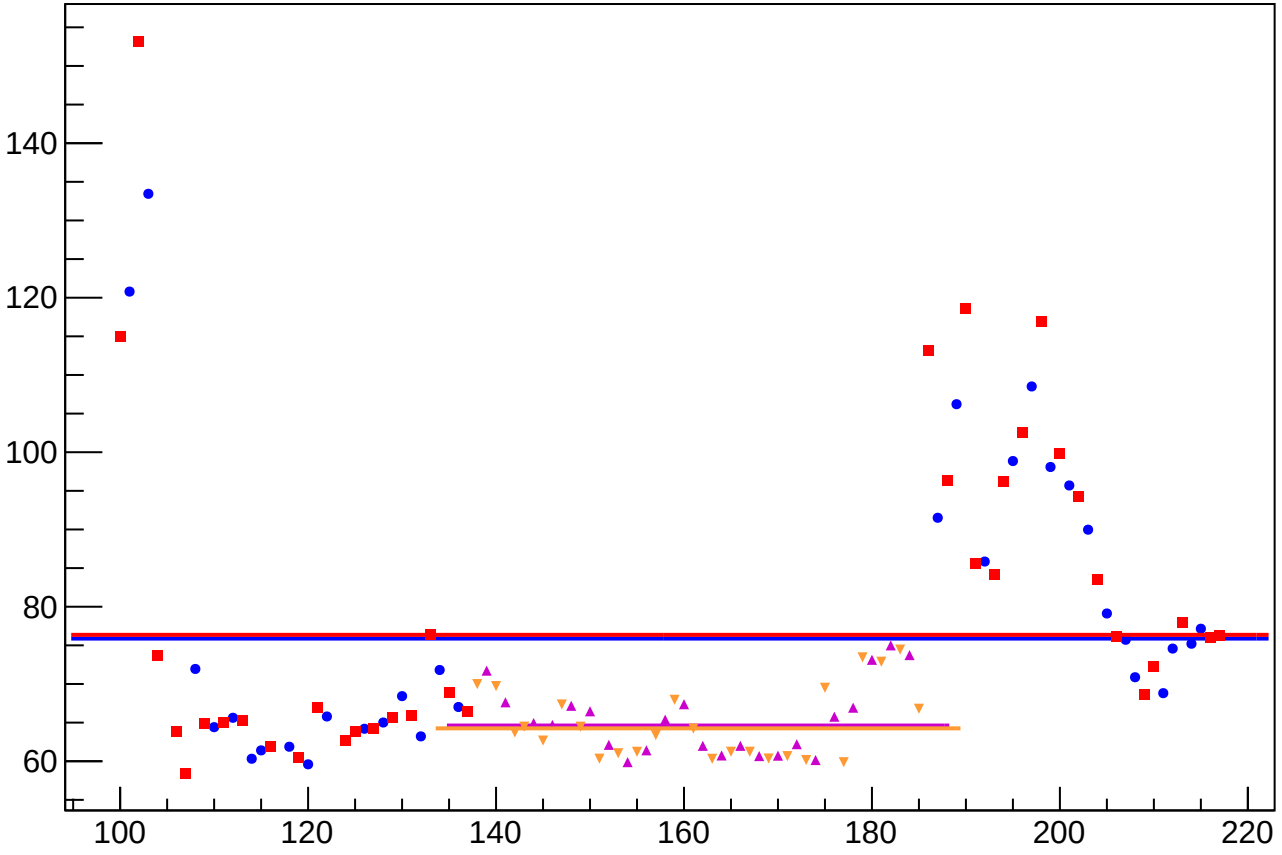
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 29.730+/-11.270 χ^2/NDF: 109.5/55

All: 2.870+/-8.002 χ^2/NDF: 259.5/114

- sign -24.443+/-11.364 χ^2/NDF: 138.5/58

reg_asym_sam7_rms vs Slug



Right In: 75.877+/-0.012 χ^2/NDF: 1331899.9/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.360+/-0.012 χ^2/NDF: 1611886.1/35

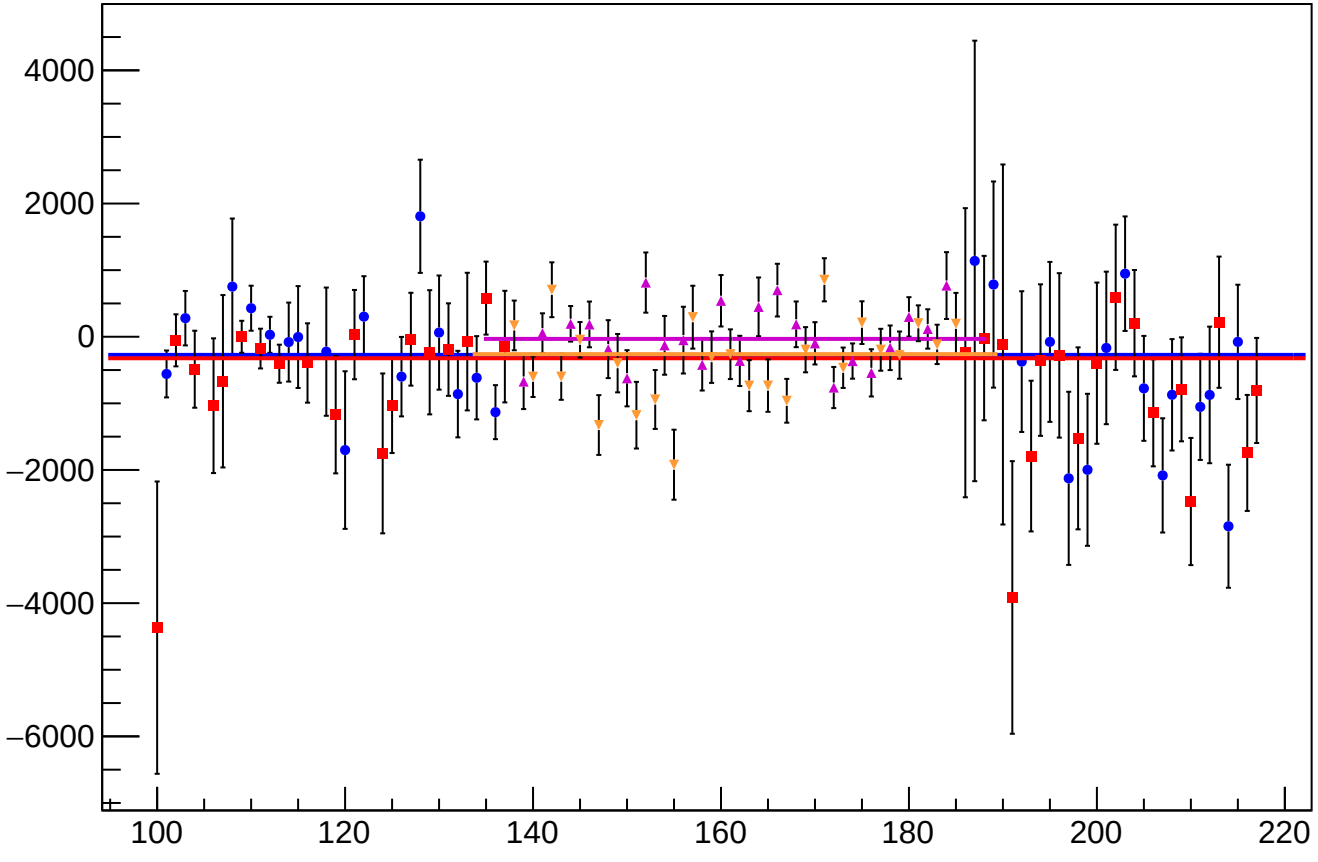
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.992+/-0.008 χ^2/NDF: 2023098.5/55

All: 69.364+/-0.006 χ^2/NDF: 4311435.2/114

- sign 69.743+/-0.008 χ^2/NDF: 2283930.7/58

asym_sam7_reg_correction_mean vs Slug



Right In: -272.375+/-113.144 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -323.115+/-106.959 χ^2/NDF: 29.9/35

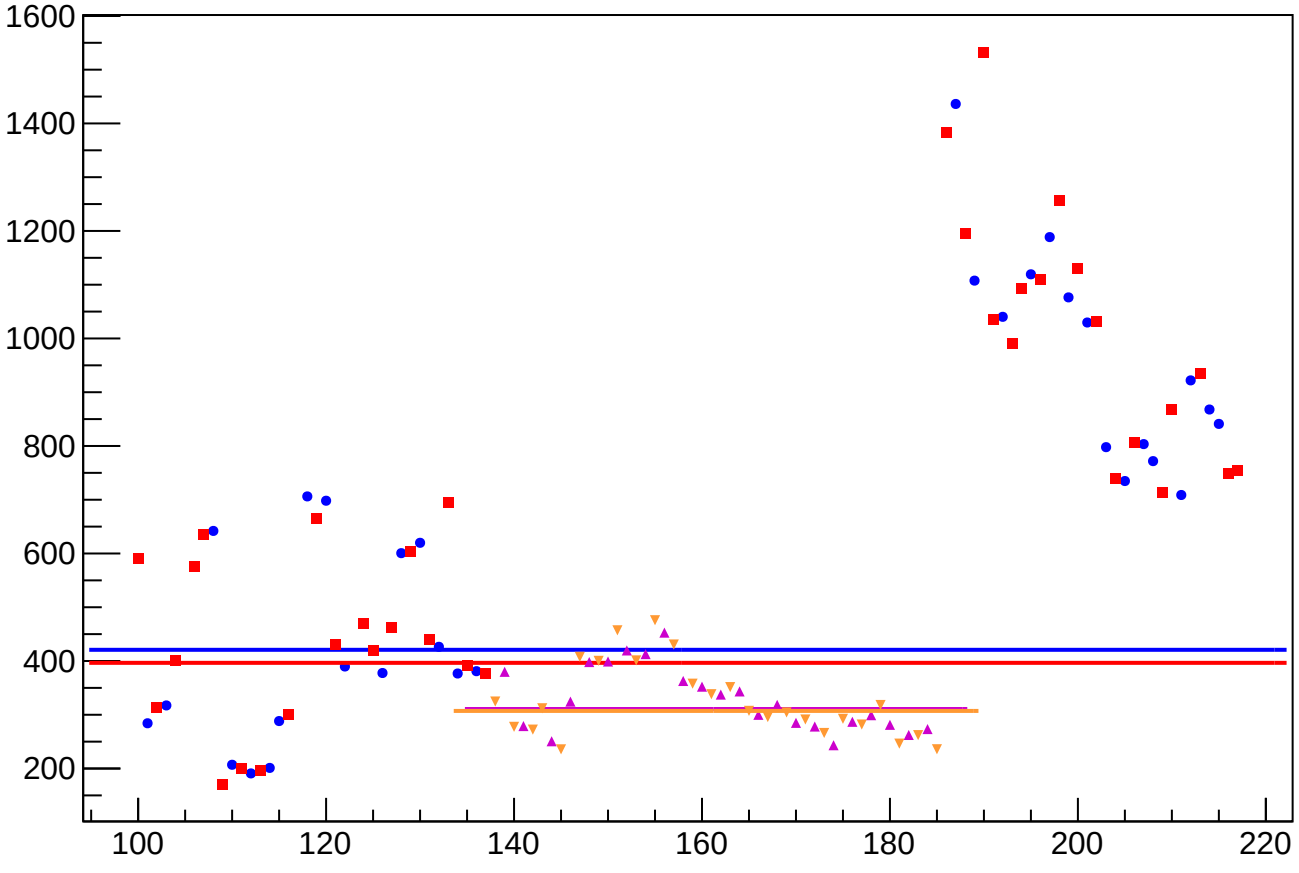
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -264.320+/-60.303 χ^2/NDF: 104.0/55

All: -195.808+/-42.803 χ^2/NDF: 173.2/114

- sign -126.243+/-60.765 χ^2/NDF: 66.6/58

asym_sam7_reg_correction_rms vs Slug



Right In: 420.826+/-0.080 χ^2/NDF: 10644600.7/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

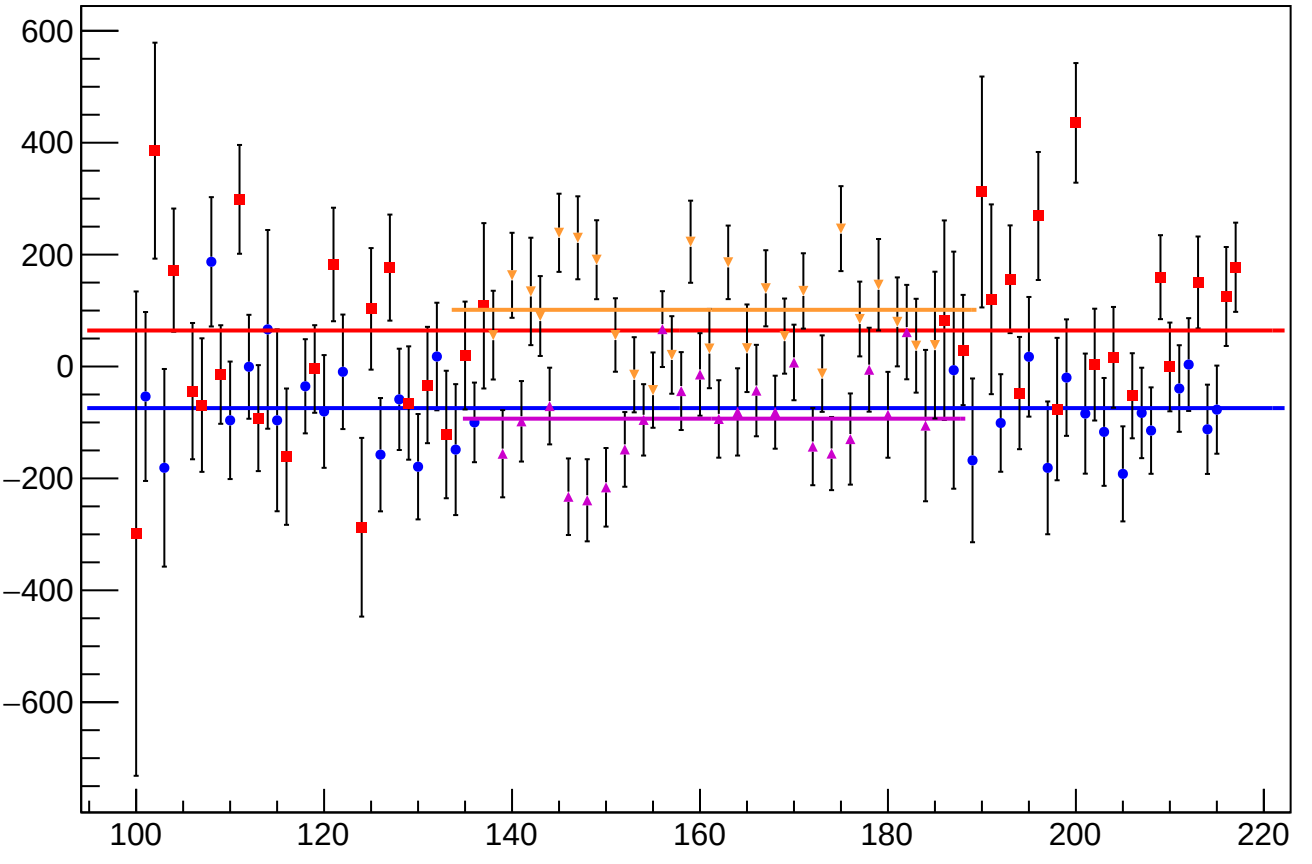
Right Out: 396.584+/-0.076 χ^2/NDF: 13424177.1/35

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 339.436+/-0.043 χ^2/NDF: 13410307.6/55

All: 338.930+/-0.030 χ^2/NDF: 28787609.6/11

- sign 338.417+/-0.043 χ^2/NDF: 15377018.9/58



Right In: -74.347+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.369+/-17.216 χ^2/NDF: 62.4/35

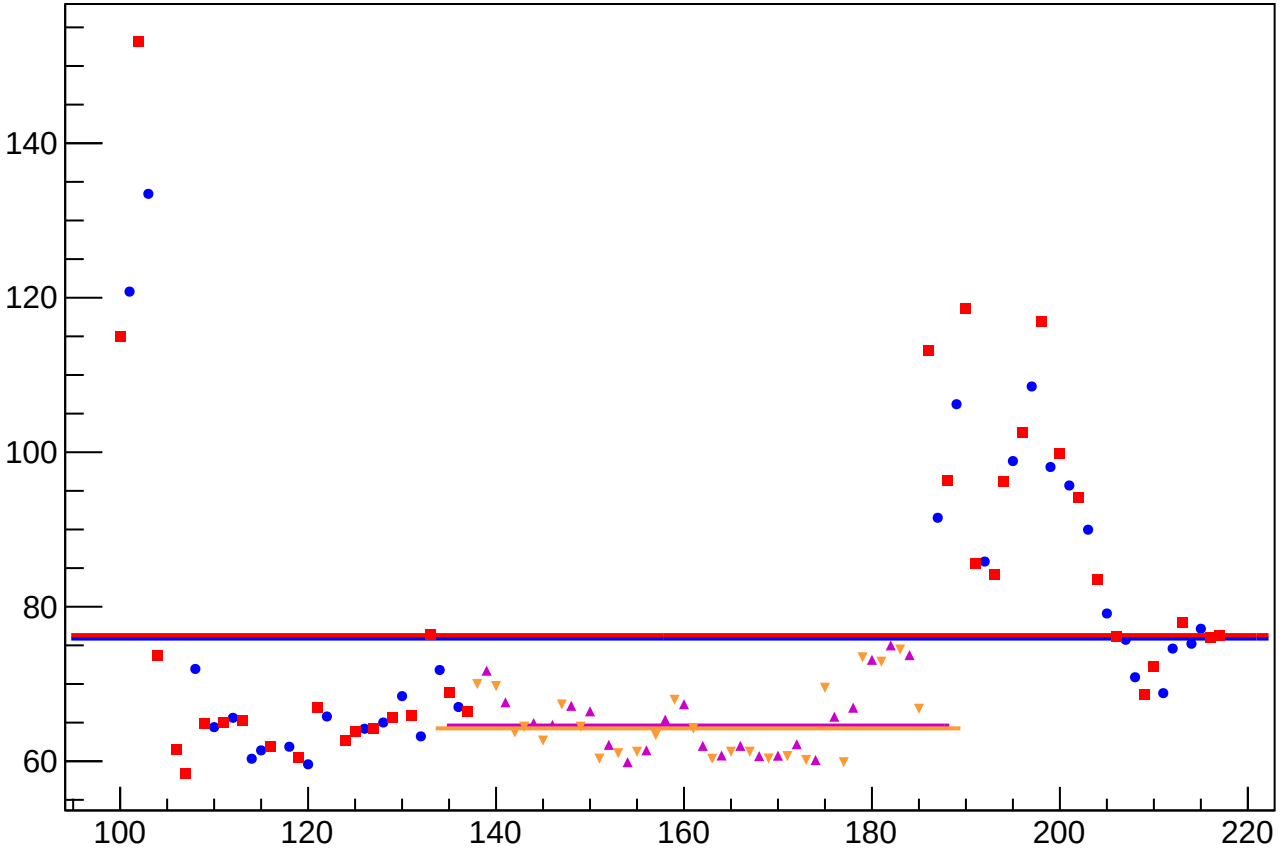
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 29.729+/-11.270 χ^2/NDF: 109.5/55

All: 2.838+/-8.003 χ^2/NDF: 259.5/114

- sign -24.523+/-11.368 χ^2/NDF: 138.5/58

cor_asym_sam7_rms vs Slug



Right In: 75.877+/-0.012 χ^2/NDF: 1331900.2/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

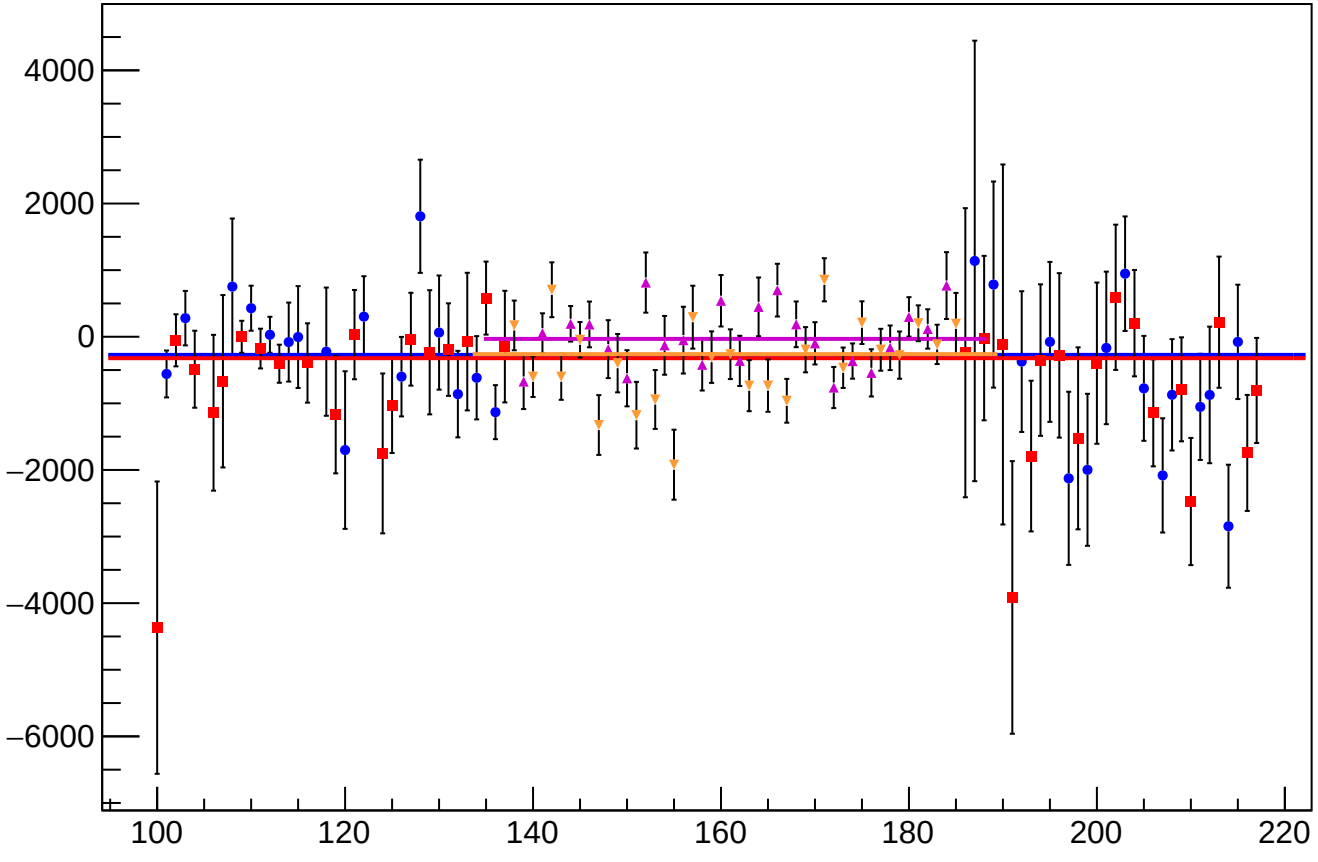
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.992+/-0.008 χ^2/NDF: 2023098.8/55

All: 69.356+/-0.006 χ^2/NDF: 4315396.5/114

- sign 69.726+/-0.008 χ^2/NDF: 2288090.1/58

asym_sam7_cor_correction_mean vs Slug



Right In: -272.373+/-113.145 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -322.002+/-107.114 χ^2/NDF: 29.8/35

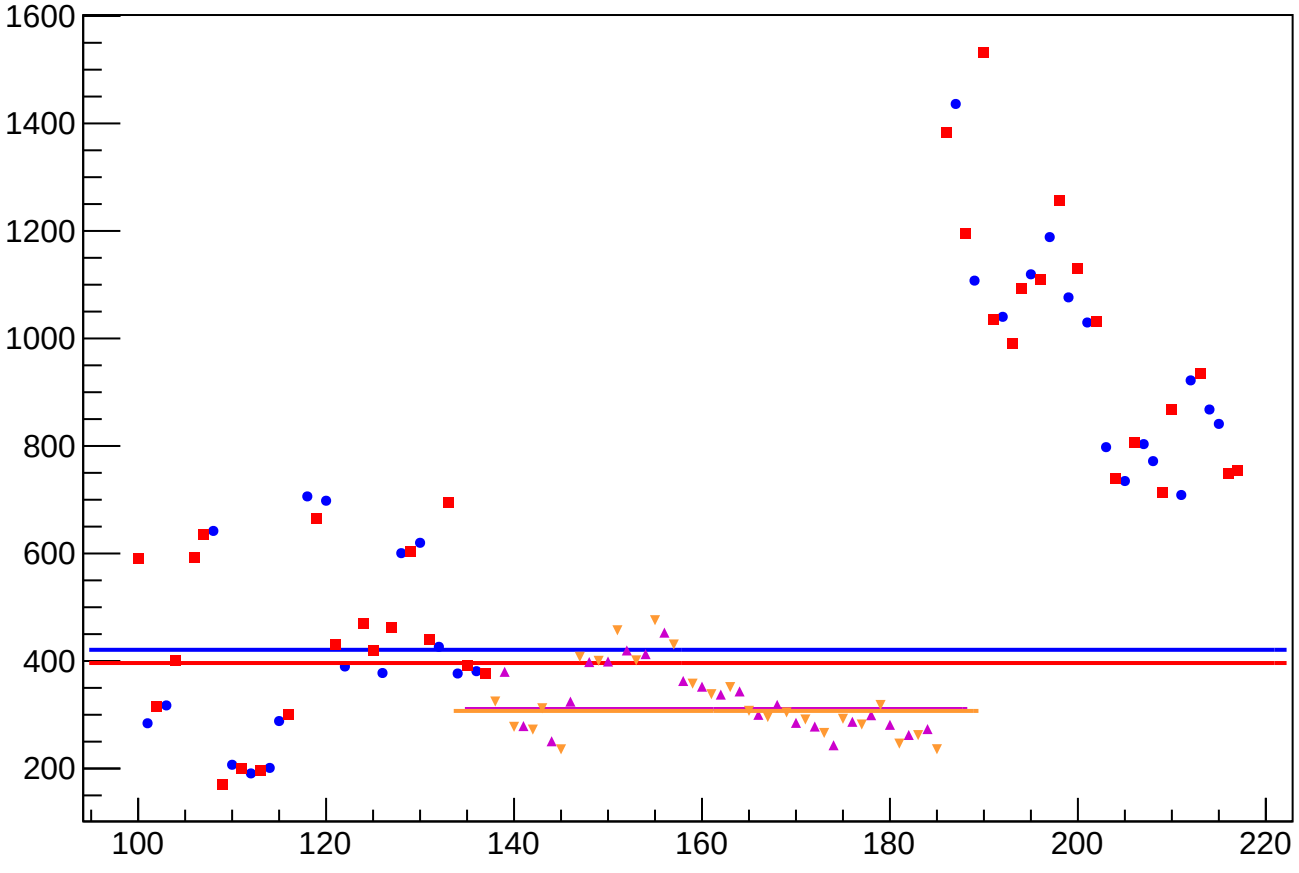
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -264.320+/-60.303 χ^2/NDF: 104.0/55

All: -195.570+/-42.813 χ^2/NDF: 173.2/114

- sign -125.699+/-60.793 χ^2/NDF: 66.5/58

asym_sam7_cor_correction_rms vs Slug



Right In: 420.829+/-0.080 χ^2/NDF: 10644530.6/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

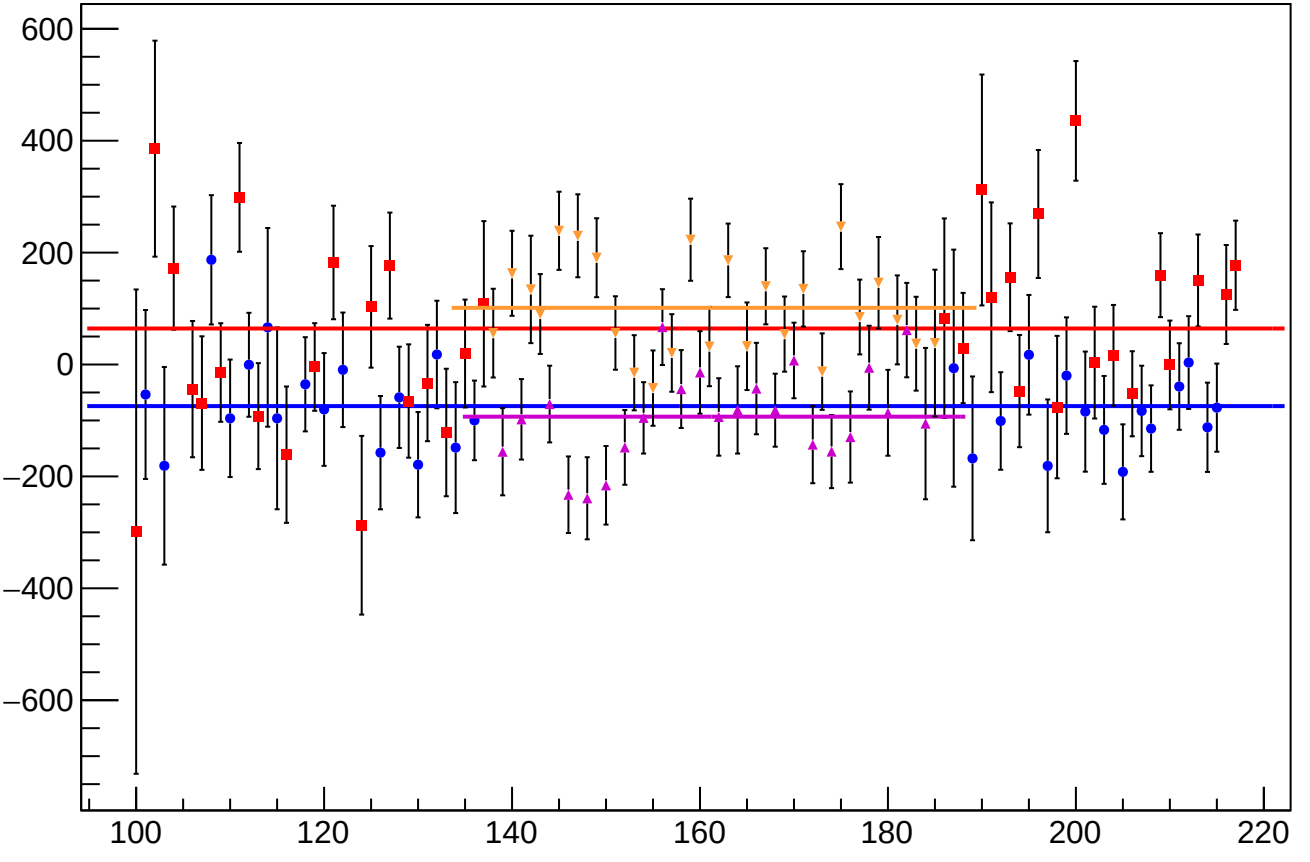
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 339.436+/-0.043 χ^2/NDF: 13410294.0/55

All: 338.850+/-0.030 χ^2/NDF: 28772793.9/11

- sign 338.254+/-0.043 χ^2/NDF: 15362118.8/58

eigen_cor_asym_sam7_mean vs Slug



Right In: -74.347+/-17.653 χ^2/NDF: 17.0/30

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 64.369+/-17.216 χ^2/NDF: 62.4/35

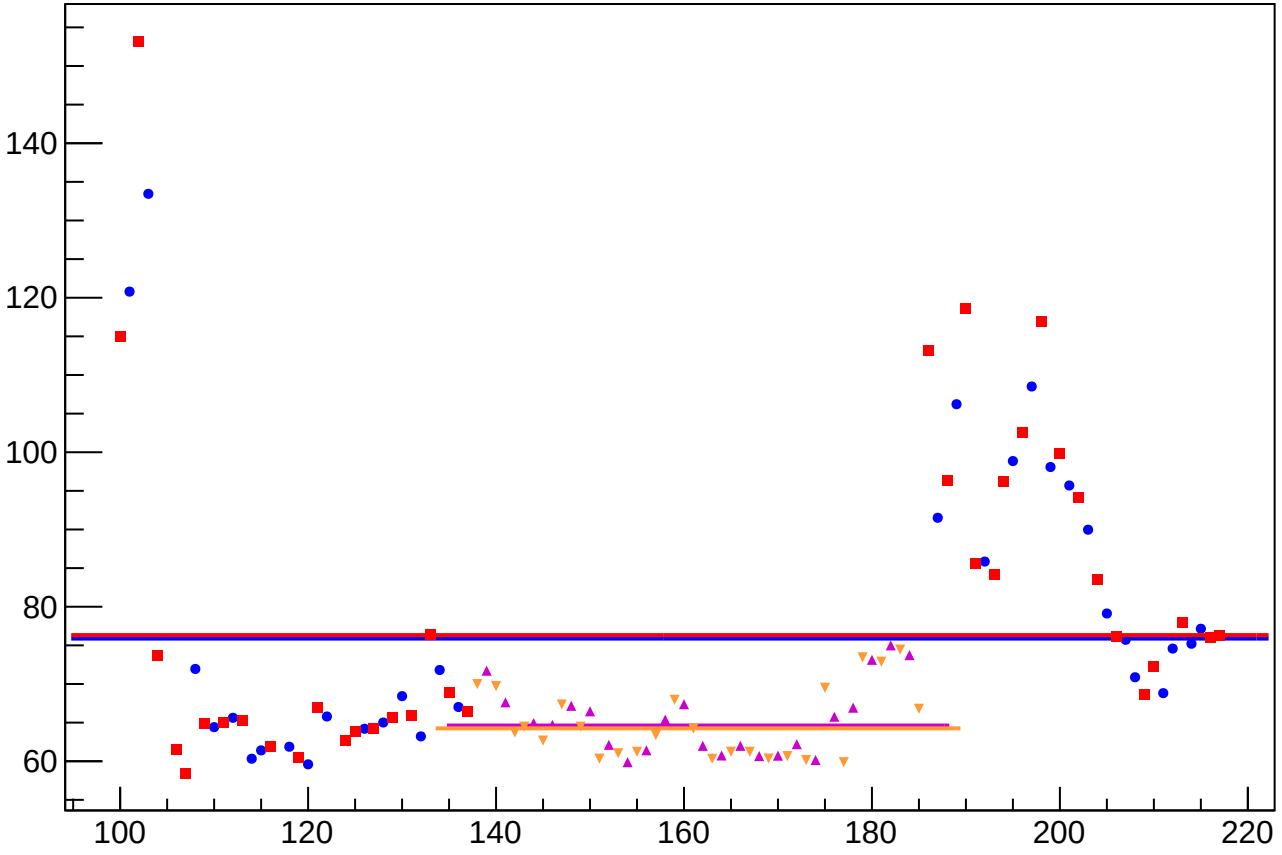
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 29.729+/-11.270 χ^2/NDF: 109.5/55

All: 2.838+/-8.003 χ^2/NDF: 259.5/114

- sign -24.523+/-11.368 χ^2/NDF: 138.5/58

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.877+/-0.012 χ^2/NDF: 1331900.2/30

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

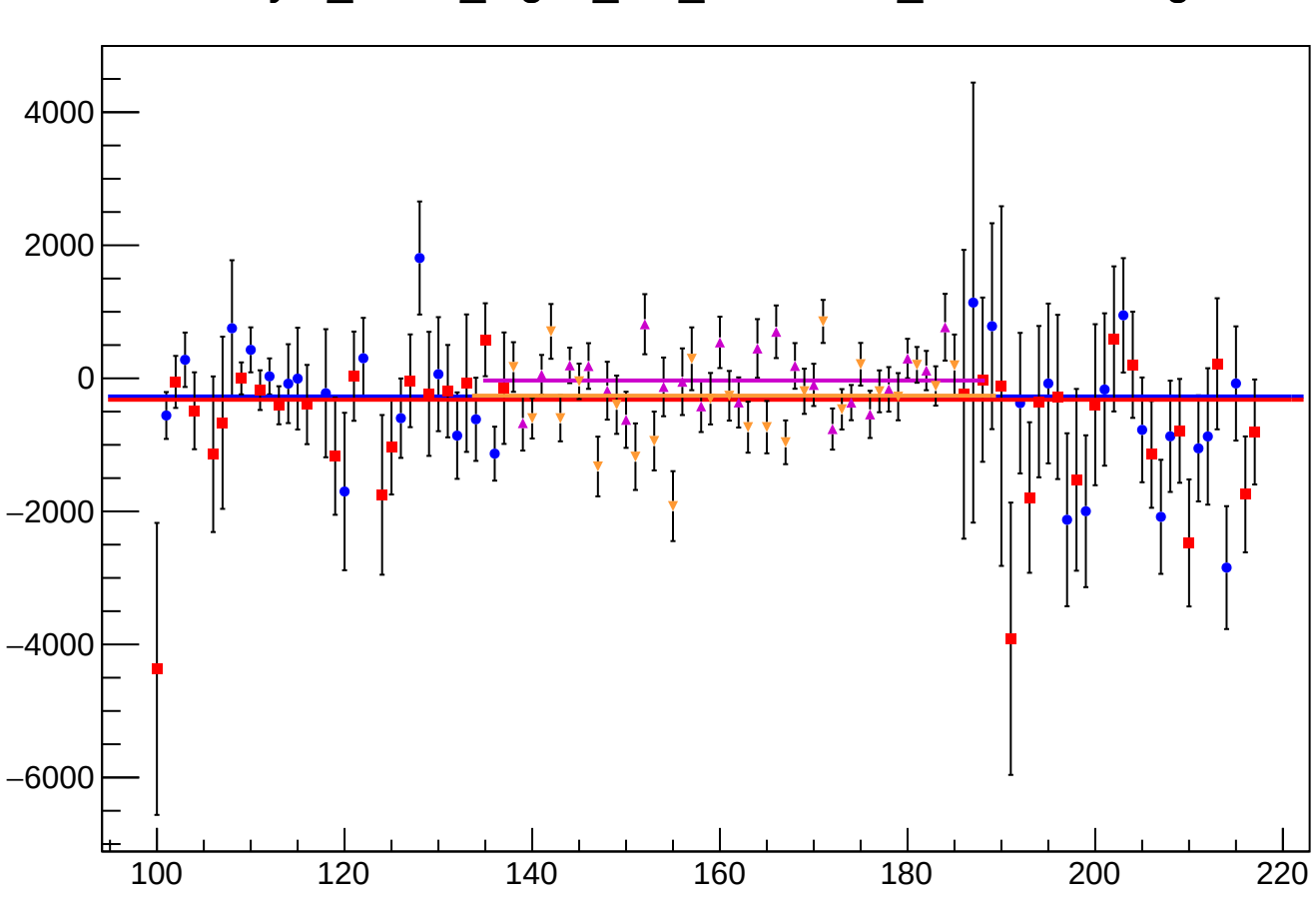
Right Out: 76.330+/-0.012 χ^2/NDF: 1619109.5/35

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.992+/-0.008 χ^2/NDF: 2023098.8/55

All: 69.356+/-0.006 χ^2/NDF: 4315396.5/114

- sign 69.726+/-0.008 χ^2/NDF: 2288090.1/58



Right In: -272.373+/-113.145 χ^2/NDF: 45.2/30

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -322.002+/-107.114 χ^2/NDF: 29.8/35

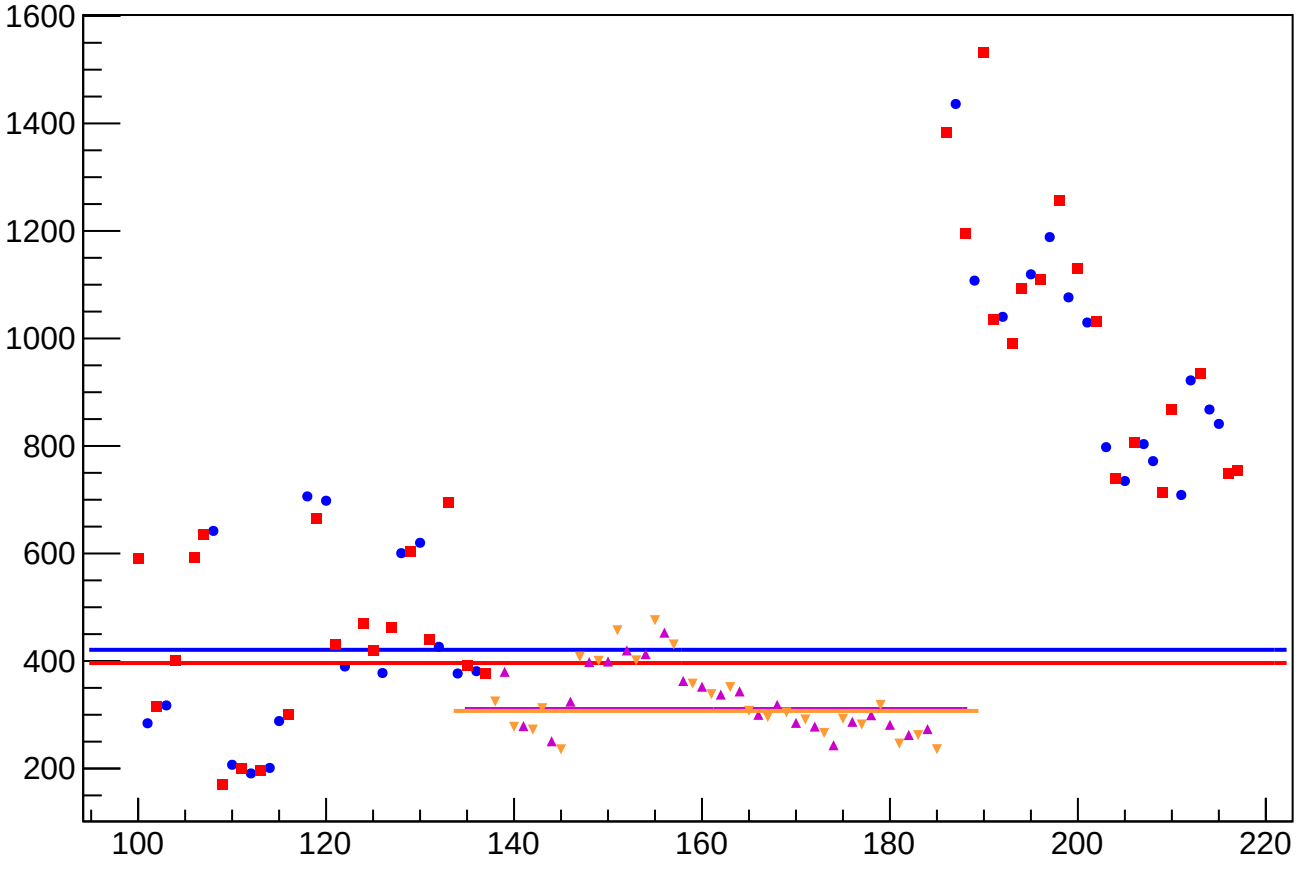
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

\+ sign -264.320+/-60.303 χ^2/NDF: 104.0/55

All: -195.570+/-42.813 χ^2/NDF: 173.2/114

\- sign -125.699+/-60.793 χ^2/NDF: 66.5/58

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 420.829+/-0.080 χ^2/NDF: 10644530.6/30

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 396.246+/-0.076 χ^2/NDF: 13417841.6/35

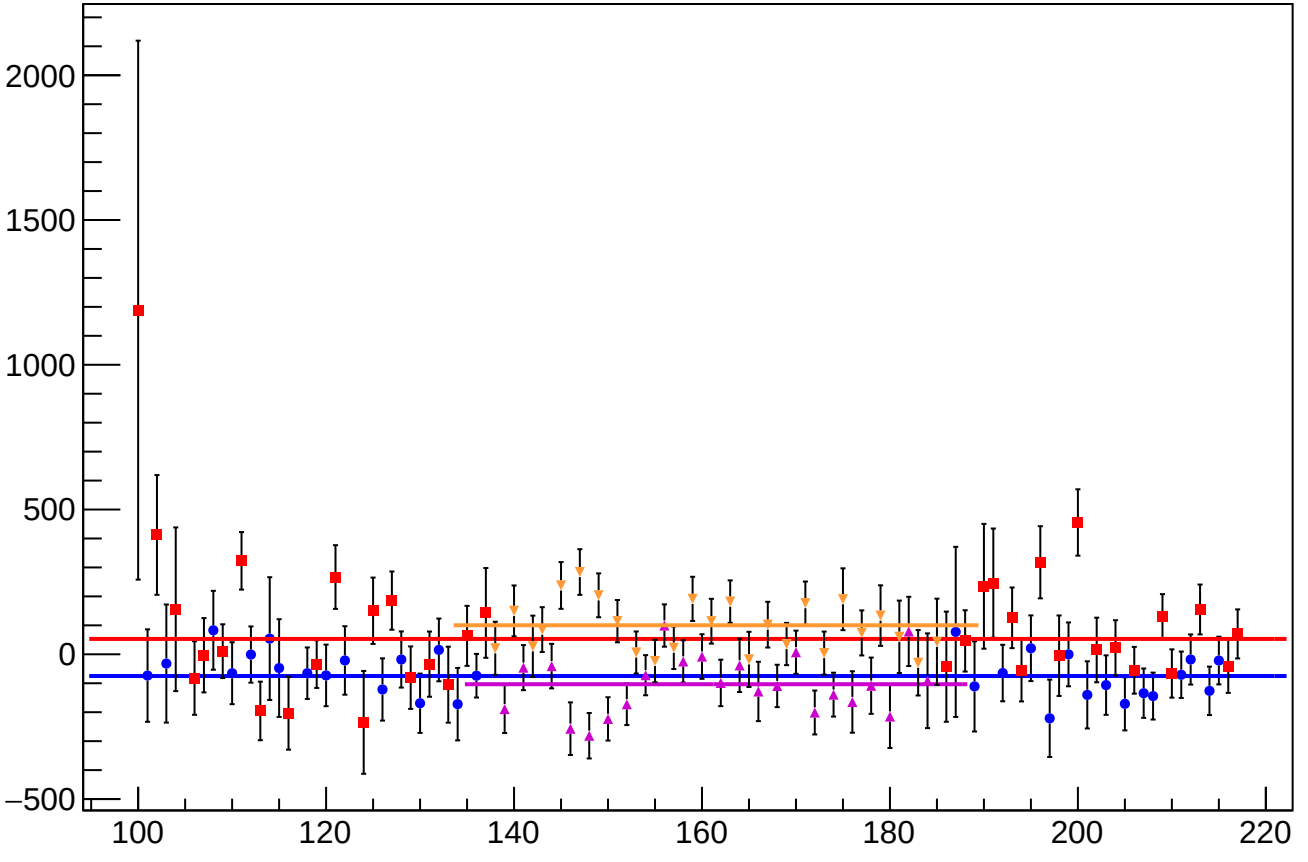
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

\+ sign 339.436+/-0.043 χ^2/NDF: 13410294.0/55

All: 338.850+/-0.030 χ^2/NDF: 28772793.9/11

\- sign 338.254+/-0.043 χ^2/NDF: 15362118.8/58

dit_asym_sam7_mean vs Slug



Right In: -75.066+/-18.903 χ^2/NDF: 11.9/30

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 53.094+/-18.522 χ^2/NDF: 65.7/35

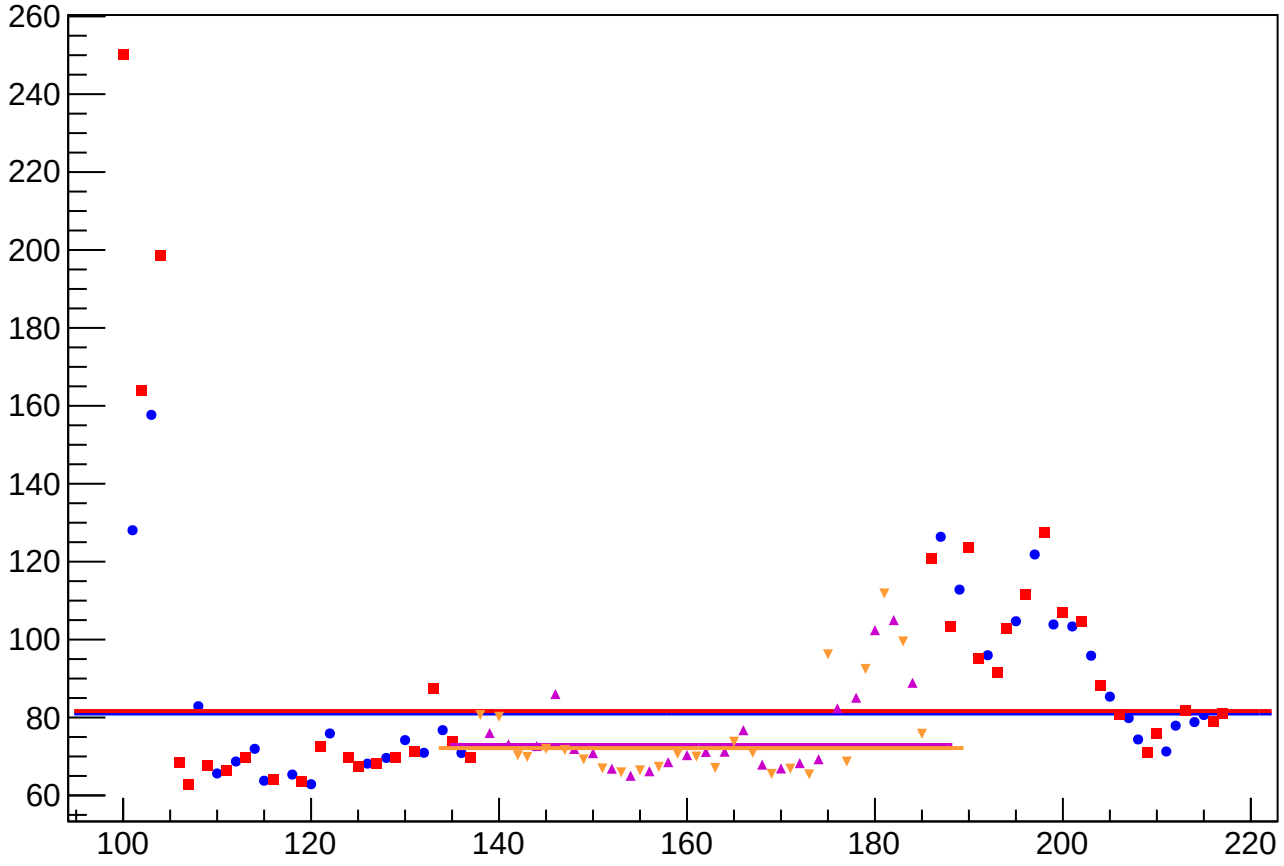
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 23.803+/-12.484 χ^2/NDF: 88.1/55

All: -3.109+/-8.878 χ^2/NDF: 234.1/114

- sign -30.642+/-12.627 χ^2/NDF: 136.6/58

dit_asym_sam7_rms vs Slug



Right In: 81.026+/-0.013 χ^2/NDF: 1505405.5/30

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.655+/-0.013 χ^2/NDF: 2128859.9/35

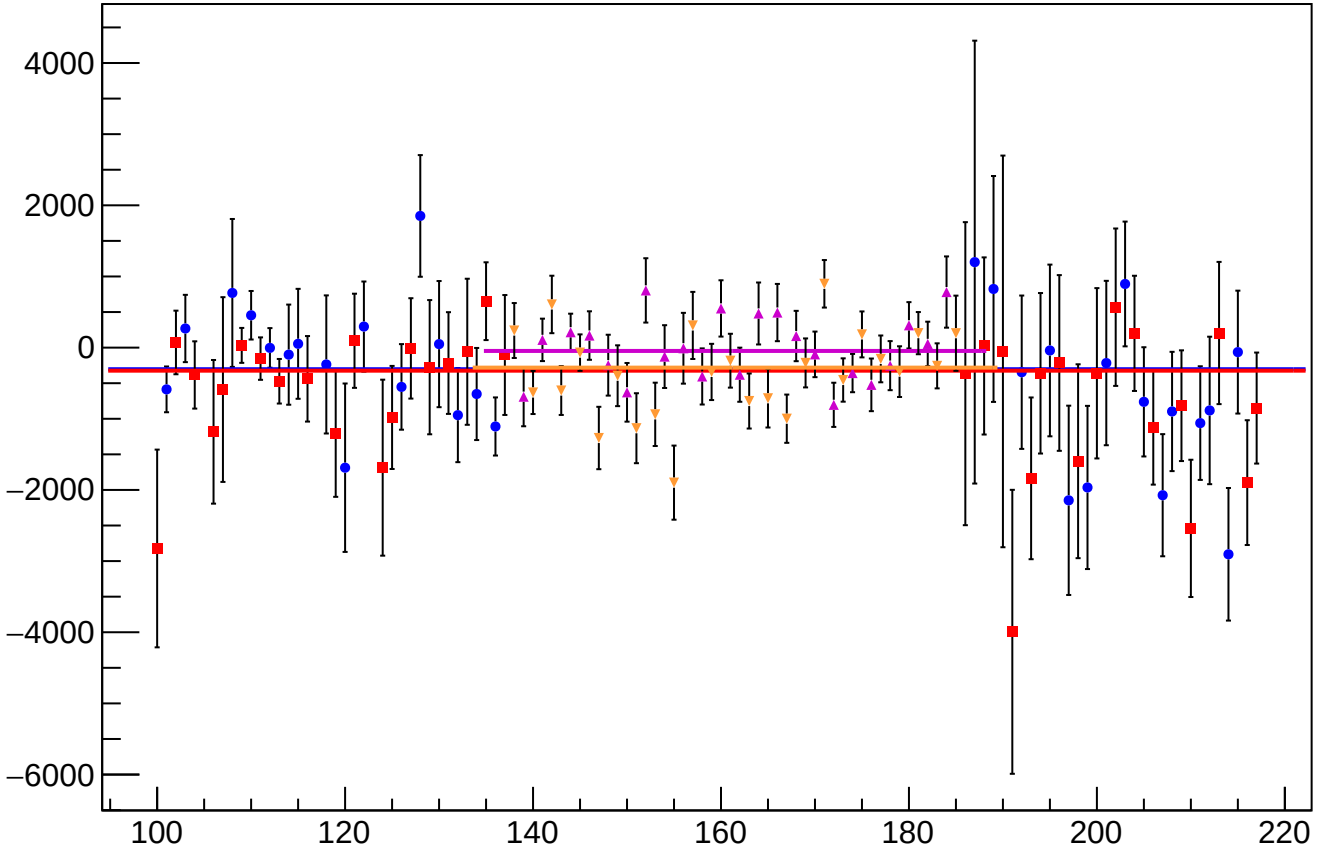
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 76.021+/-0.009 χ^2/NDF: 2396044.4/55

All: 76.502+/-0.006 χ^2/NDF: 5276477.7/114

- sign 76.995+/-0.009 χ^2/NDF: 2874416.8/58

asym_sam7_dit_correction_mean vs Slug



Right In: -303.430+/-115.075 χ^2/NDF: 44.7/30

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -323.774+/-108.743 χ^2/NDF: 32.3/35

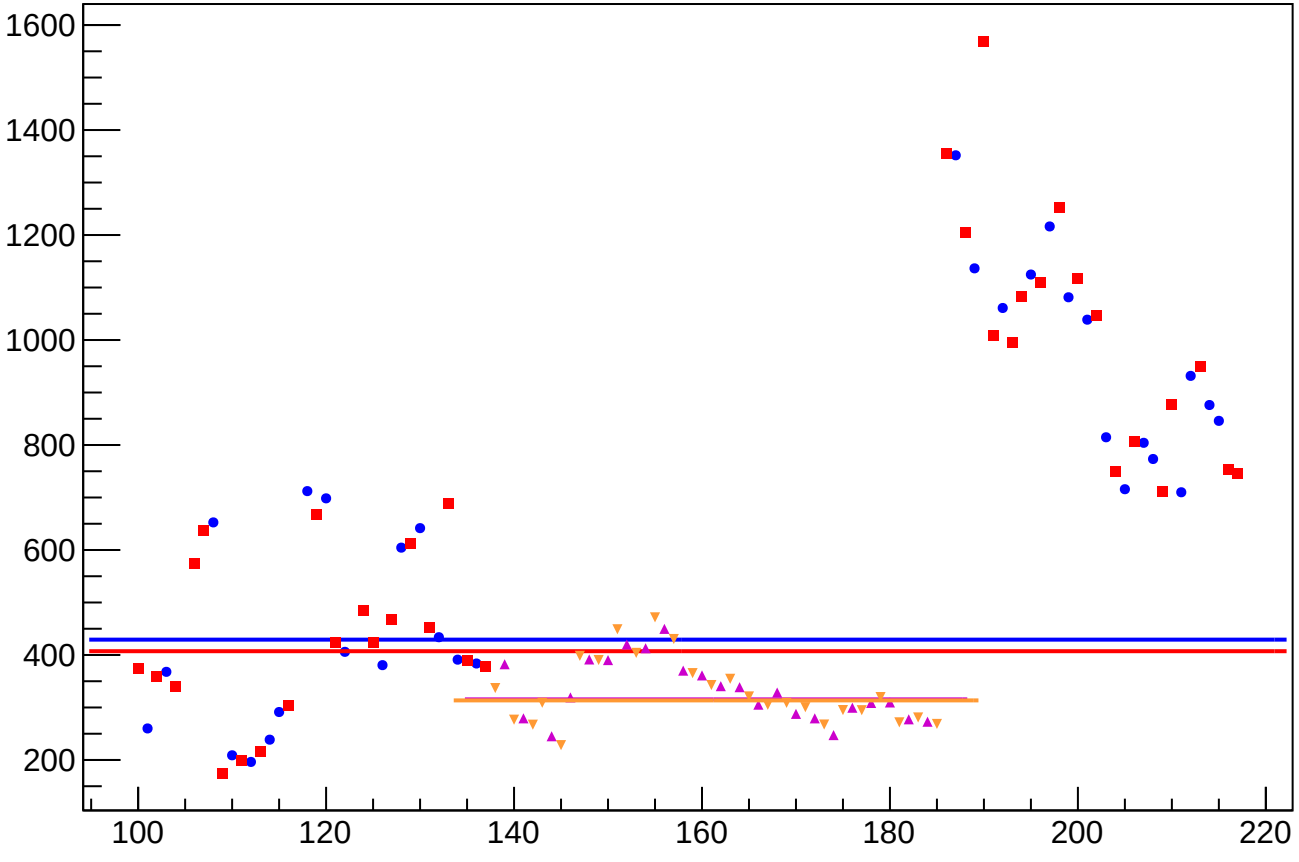
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -287.524+/-61.364 χ^2/NDF: 101.5/55

All: -212.035+/-43.503 χ^2/NDF: 172.0/114

- sign -135.759+/-61.682 χ^2/NDF: 67.5/58

asym_sam7_dit_correction_rms vs Slug



Right In: 429.242+/-0.081 χ^2/NDF: 10501879.5/30

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 407.210+/-0.077 χ^2/NDF: 12934177.2/35

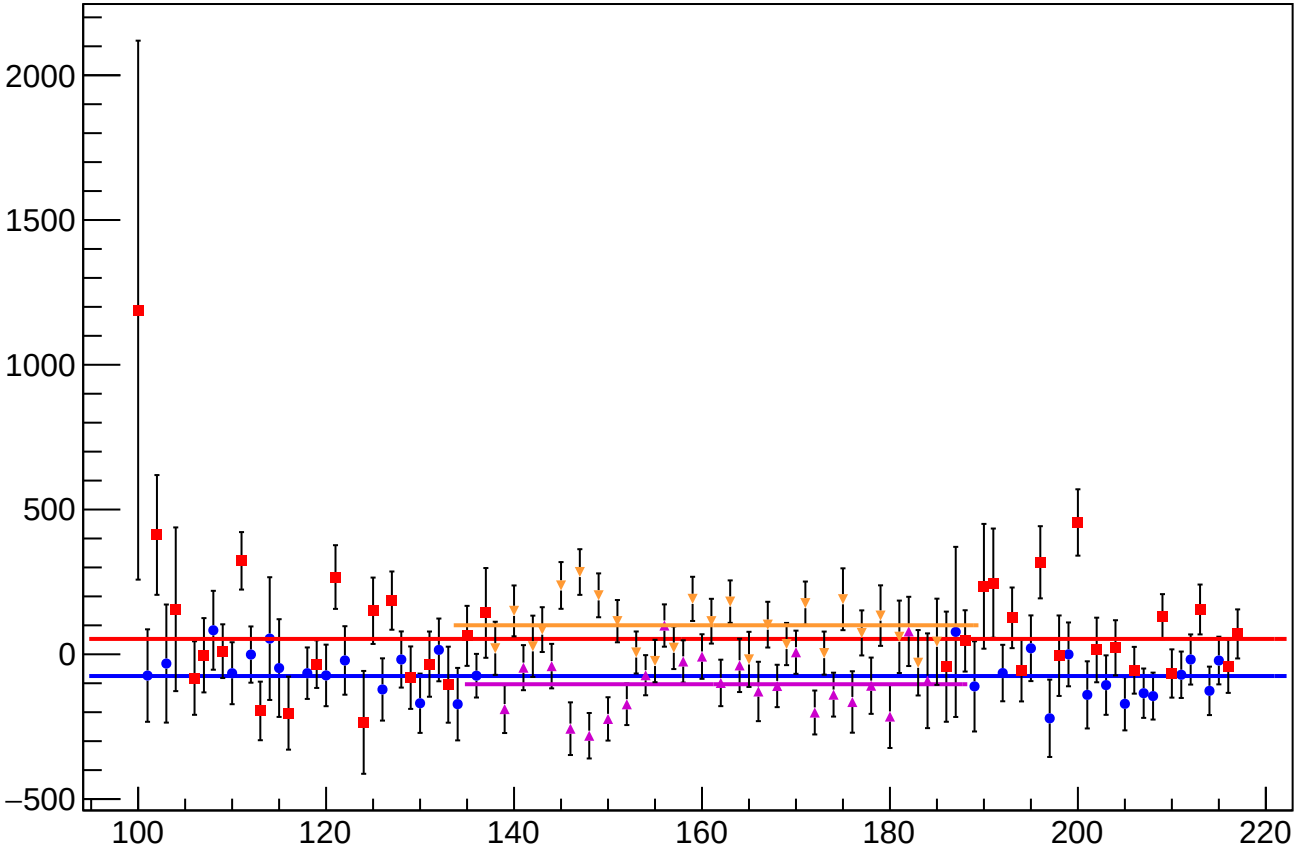
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 346.412+/-0.043 χ^2/NDF: 13125334.7/55

All: 345.698+/-0.031 χ^2/NDF: 28034341.2/11

- sign 344.977+/-0.044 χ^2/NDF: 14908462.6/58

eigen_dit_asym_sam7_mean vs Slug



Right In: -75.065+/-18.903 χ^2/NDF: 11.9/30

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 53.096+/-18.522 χ^2/NDF: 65.7/35

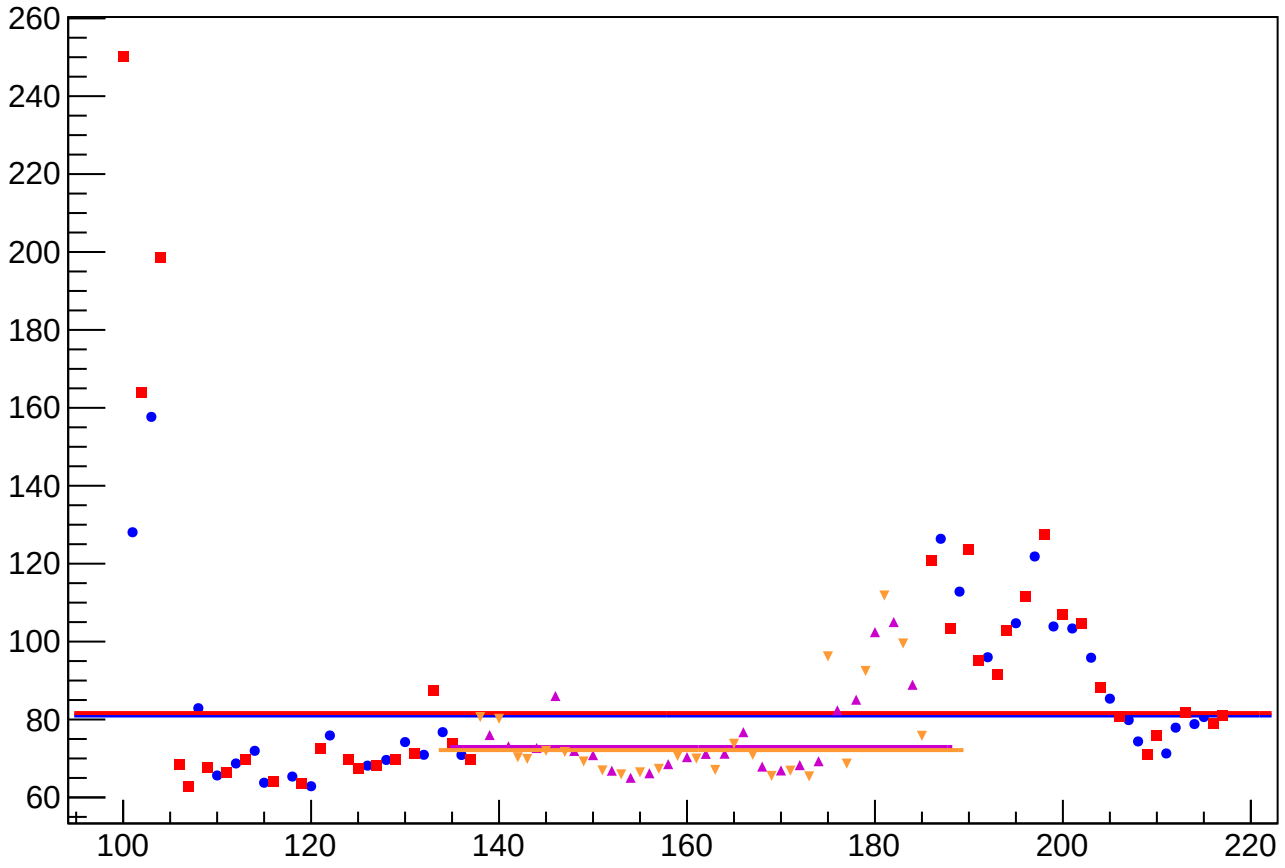
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 23.803+/-12.484 χ^2/NDF: 88.1/55

All: -3.108+/-8.878 χ^2/NDF: 234.1/114

- sign -30.641+/-12.627 χ^2/NDF: 136.6/58

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.026+/-0.013 χ^2/NDF: 1505412.3/30

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.655+/-0.013 χ^2/NDF: 2128861.4/35

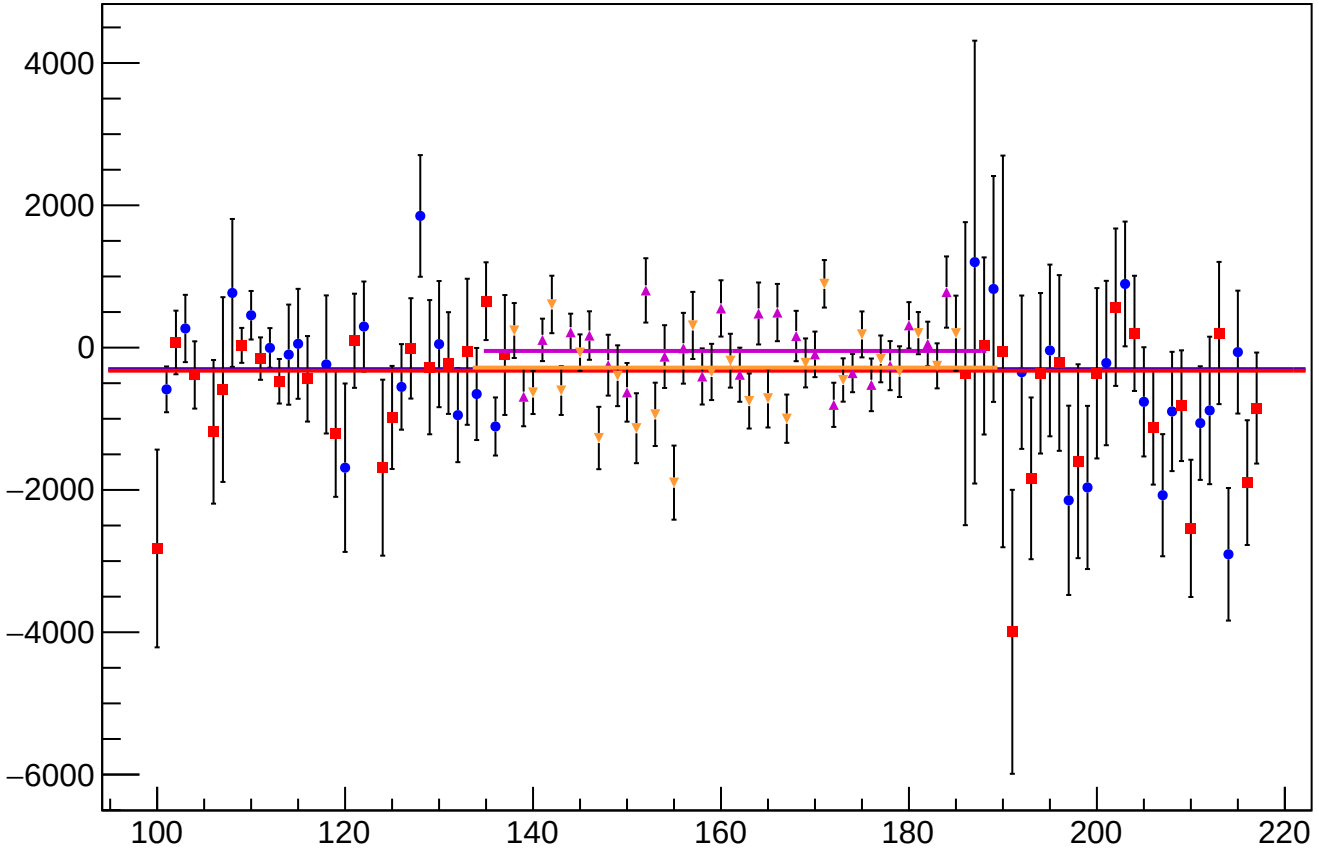
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 76.021+/-0.009 χ^2/NDF: 2396044.9/55

All: 76.502+/-0.006 χ^2/NDF: 5276474.6/114

- sign 76.995+/-0.009 χ^2/NDF: 2874413.3/58

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -303.427+/-115.075 χ^2/NDF: 44.7/30

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -323.772+/-108.742 χ^2/NDF: 32.3/35

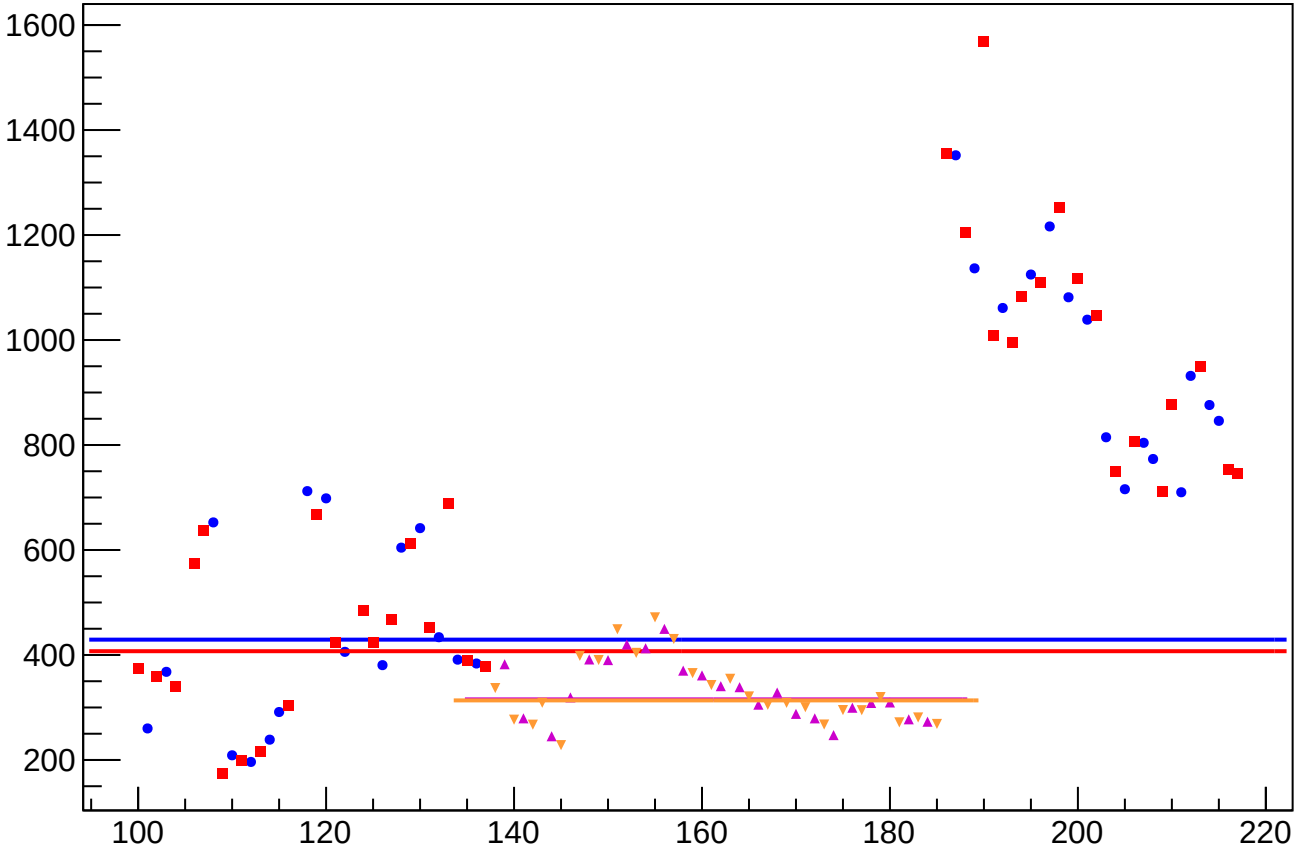
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -287.524+/-61.364 χ^2/NDF: 101.5/55

All: -212.034+/-43.503 χ^2/NDF: 172.0/114

- sign -135.759+/-61.682 χ^2/NDF: 67.5/58

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 429.239+/-0.081 χ^2/NDF: 10502002.6/30

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 407.207+/-0.077 χ^2/NDF: 12934251.3/35

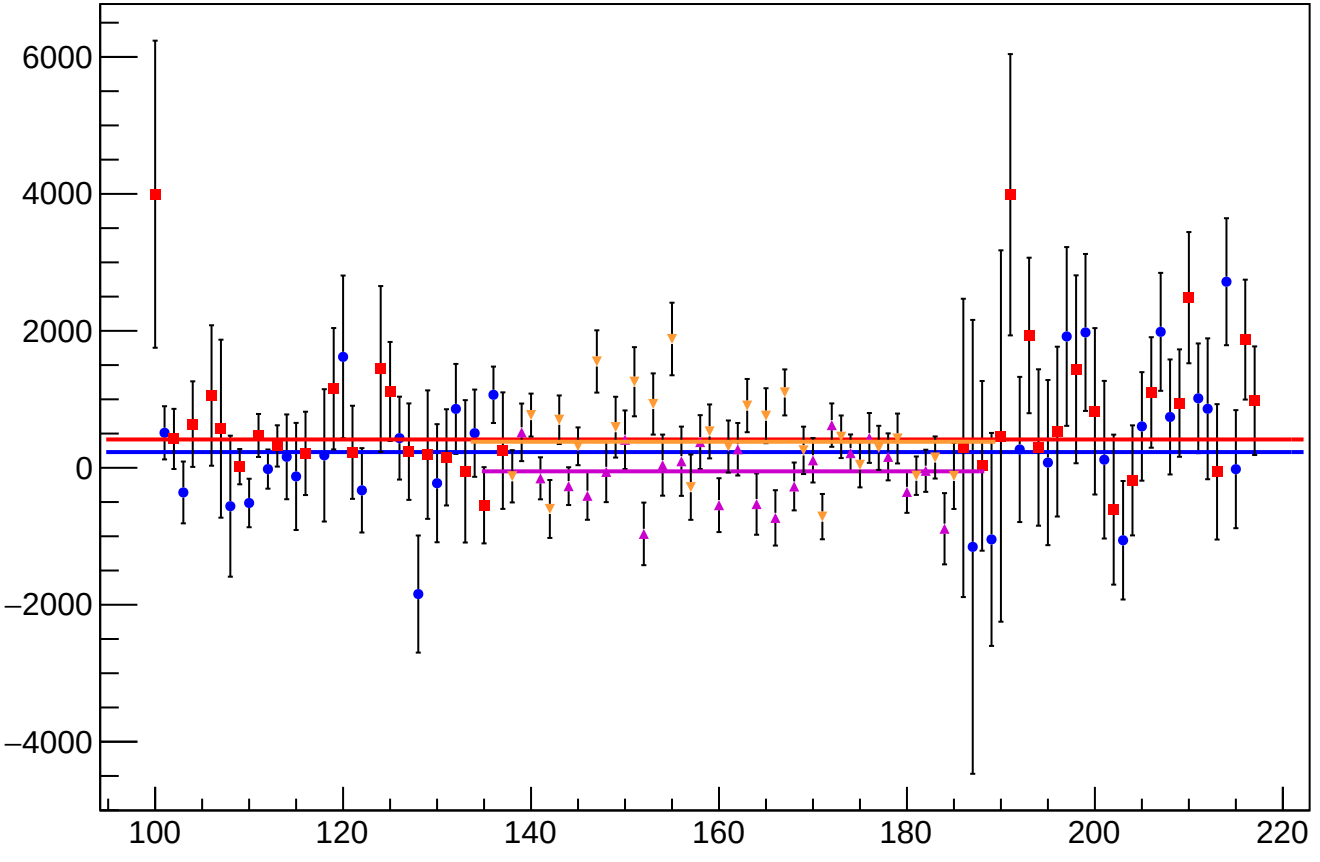
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 346.411+/-0.043 χ^2/NDF: 13125394.9/55

All: 345.698+/-0.031 χ^2/NDF: 28034430.3/11

- sign 344.977+/-0.044 χ^2/NDF: 14908491.7/58

asym_sam7_mean vs Slug



Right In: 229.640+/-117.569 χ^2/NDF: 42.4/30

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 413.939+/-111.586 χ^2/NDF: 28.0/35

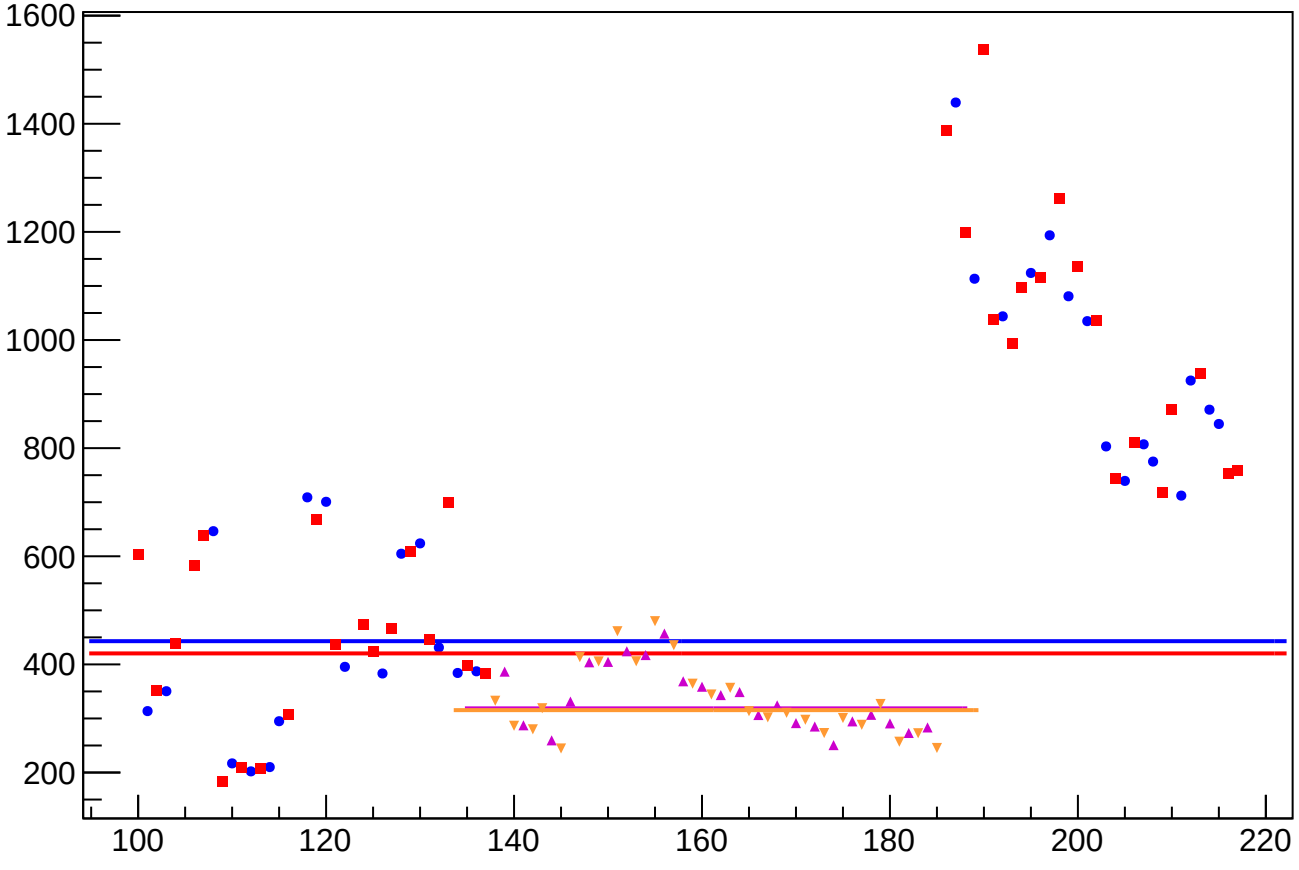
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 338.564+/-62.052 χ^2/NDF: 99.0/55

All: 217.874+/-44.072 χ^2/NDF: 174.7/114

- sign 95.024+/-62.605 χ^2/NDF: 68.1/58

asym_sam7_rms vs Slug



Right In: 442.966+/-0.083 χ^2/NDF: 9928934.6/30

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

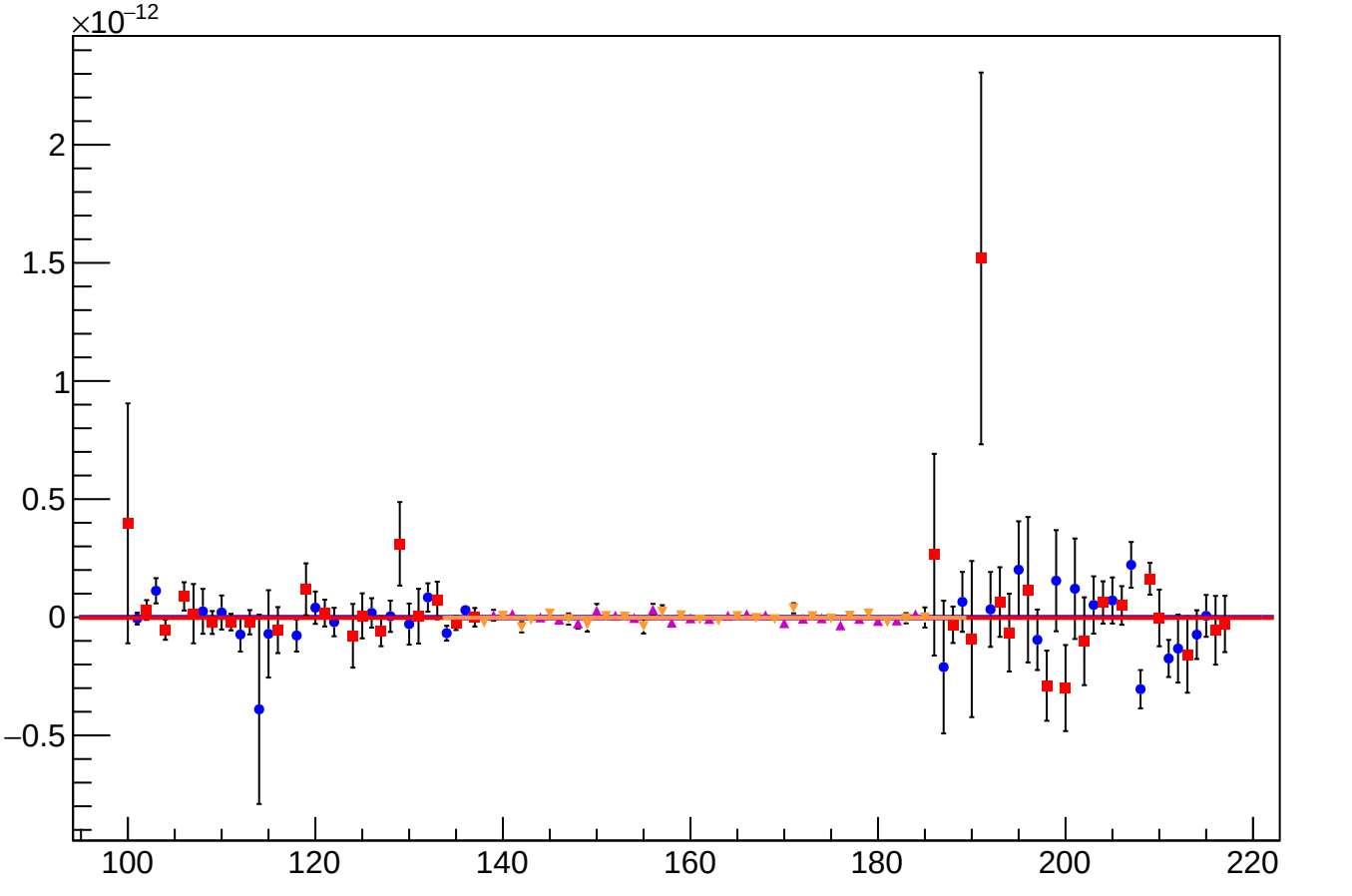
Right Out: 420.322+/-0.079 χ^2/NDF: 12576452.4/35

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 350.933+/-0.044 χ^2/NDF: 12837850.8/55

All: 350.807+/-0.031 χ^2/NDF: 27542808.4/11

- sign 350.680+/-0.044 χ^2/NDF: 14704941.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

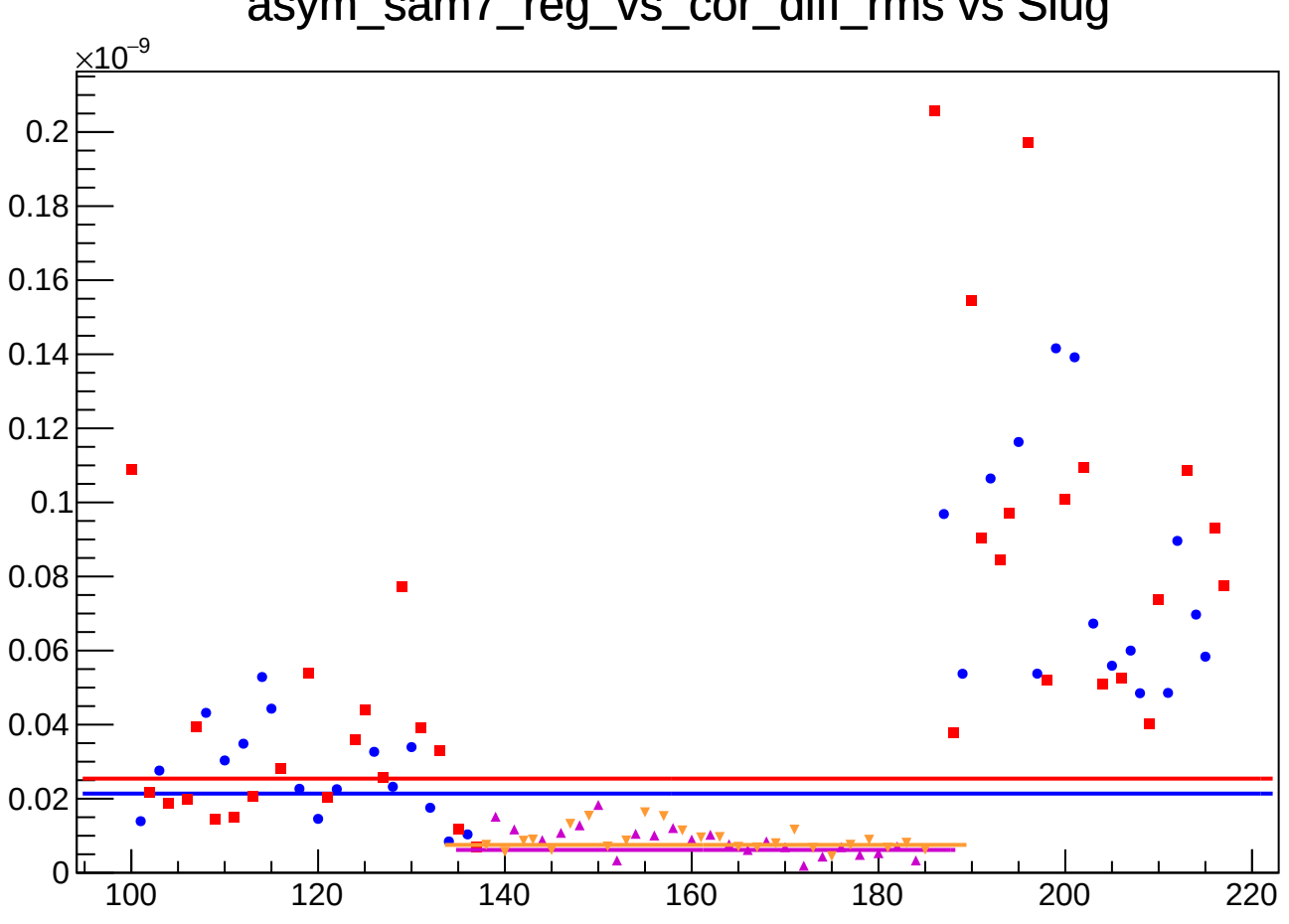
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/35

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.8/55

All: -0.000+/-0.000 χ^2/NDF: 117.5/114

- sign -0.000+/-0.000 χ^2/NDF: 50.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 6920312.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6811007.5/35

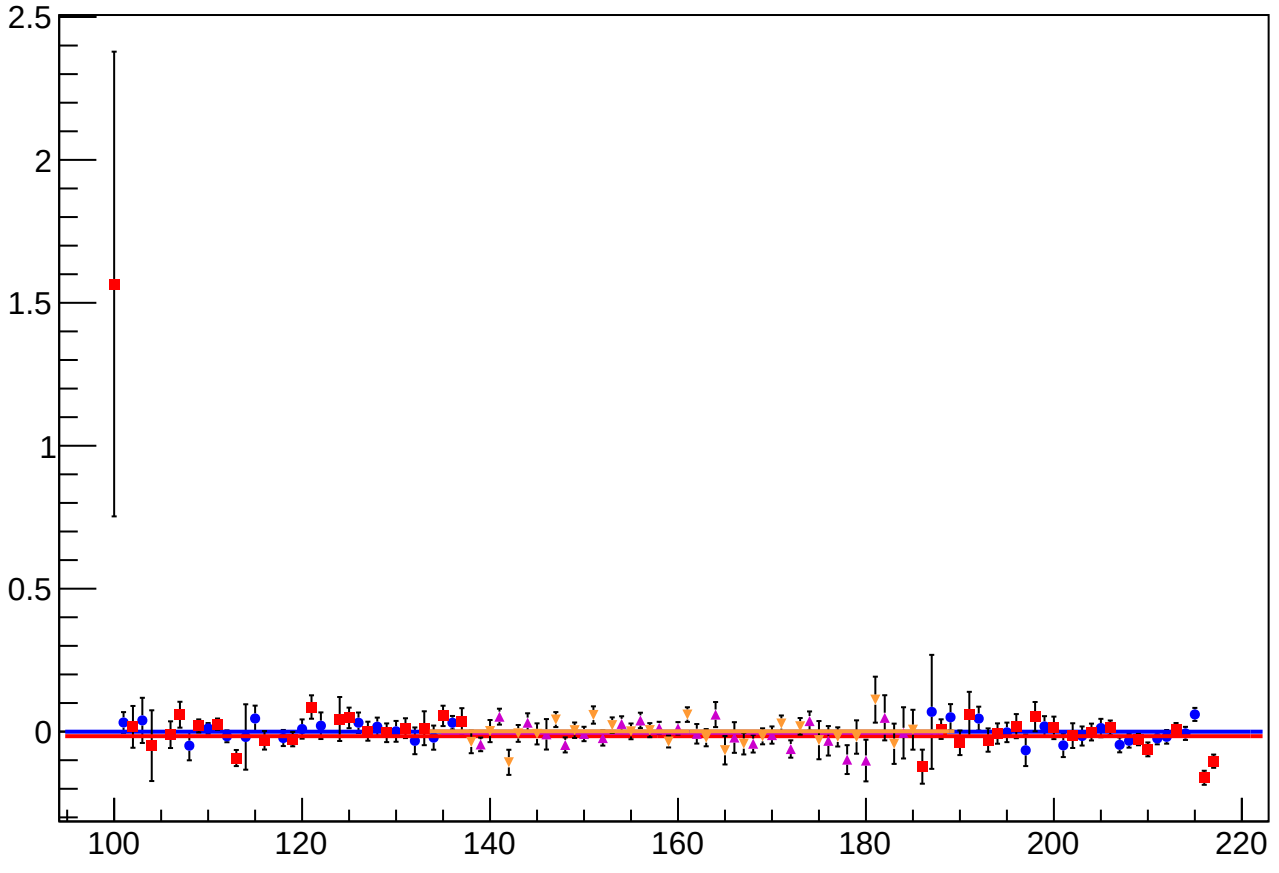
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11427575.6/55

All: 0.000+/-0.000 χ^2/NDF: 26242407.8/114

- sign 0.000+/-0.000 χ^2/NDF: 14590567.8/58

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 102.0/35

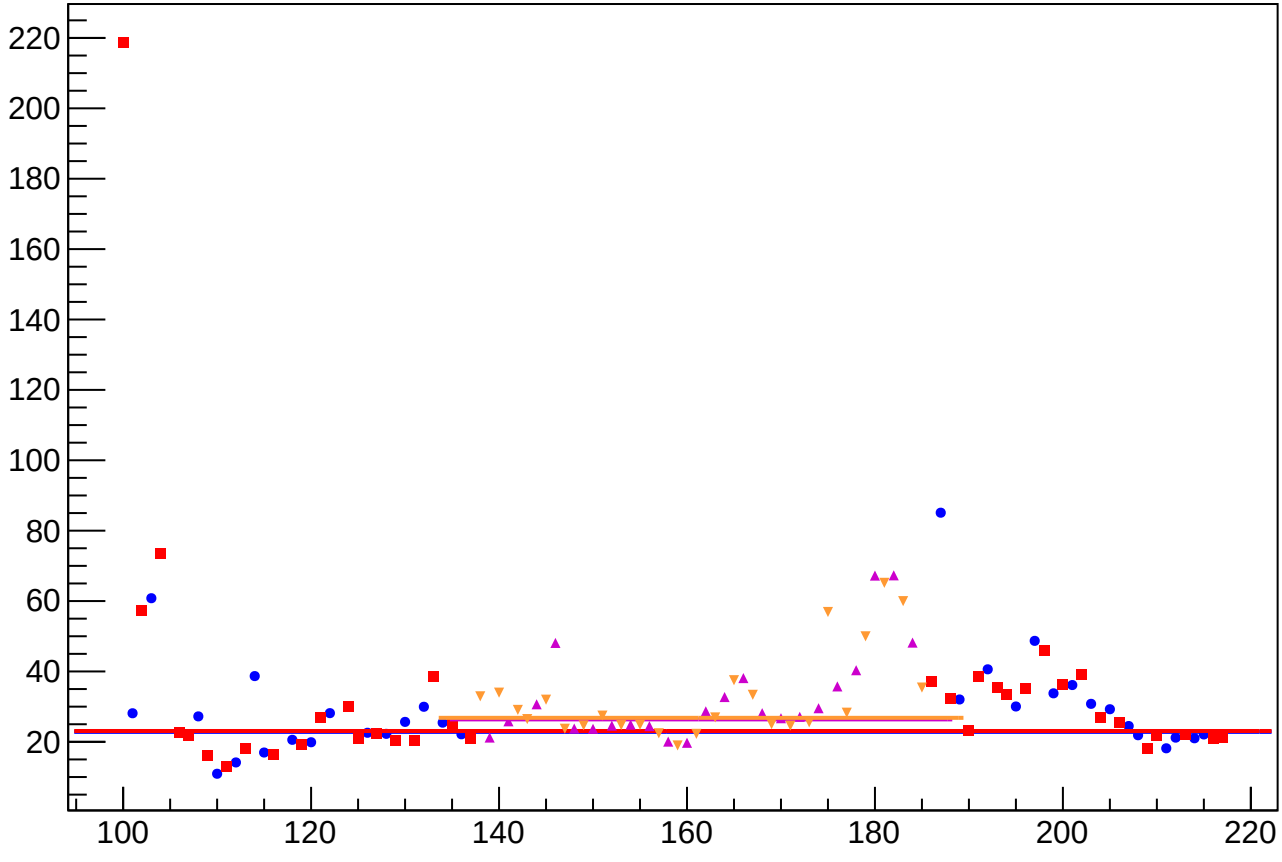
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.004 χ^2/NDF: 58.4/55

All: -0.005+/-0.003 χ^2/NDF: 197.1/114

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.833+/-0.004 χ^2/NDF: 3775846.8/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

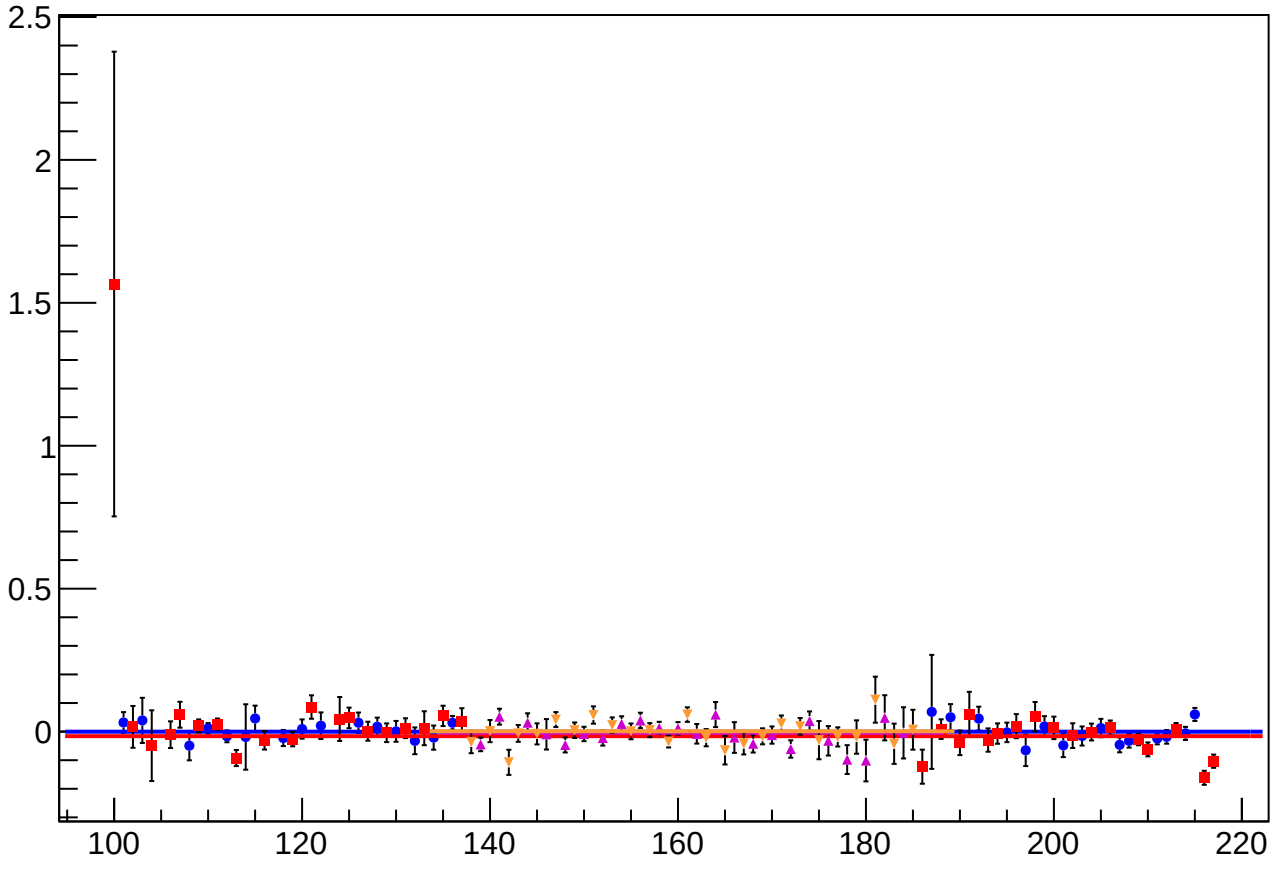
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.541+/-0.003 χ^2/NDF: 6676565.4/55

All: 24.489+/-0.002 χ^2/NDF: 13523524.3/114

- sign 24.437+/-0.003 χ^2/NDF: 6846355.6/58

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 102.0/35

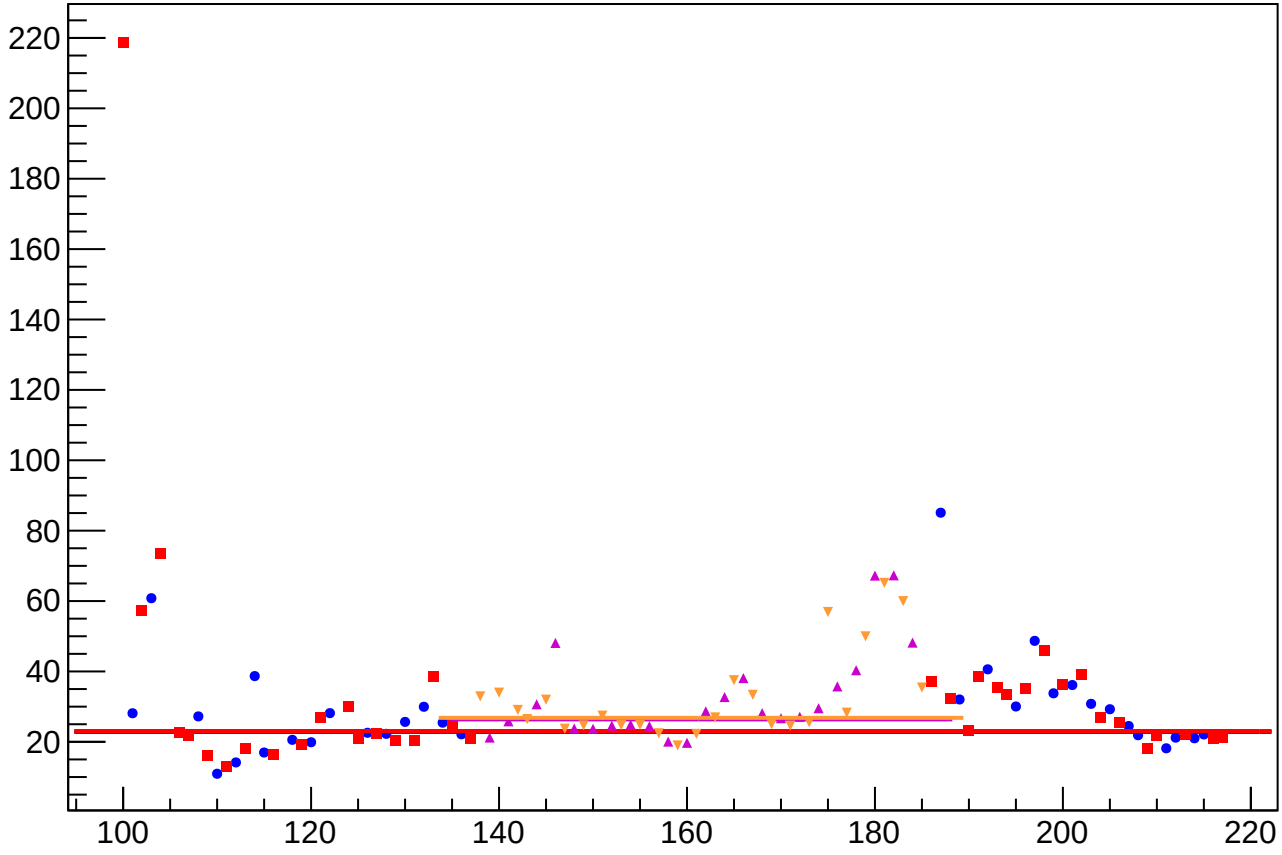
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.004 χ^2/NDF: 58.4/55

All: -0.005+/-0.003 χ^2/NDF: 197.1/114

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.833+/-0.004 χ^2/NDF: 3775846.8/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

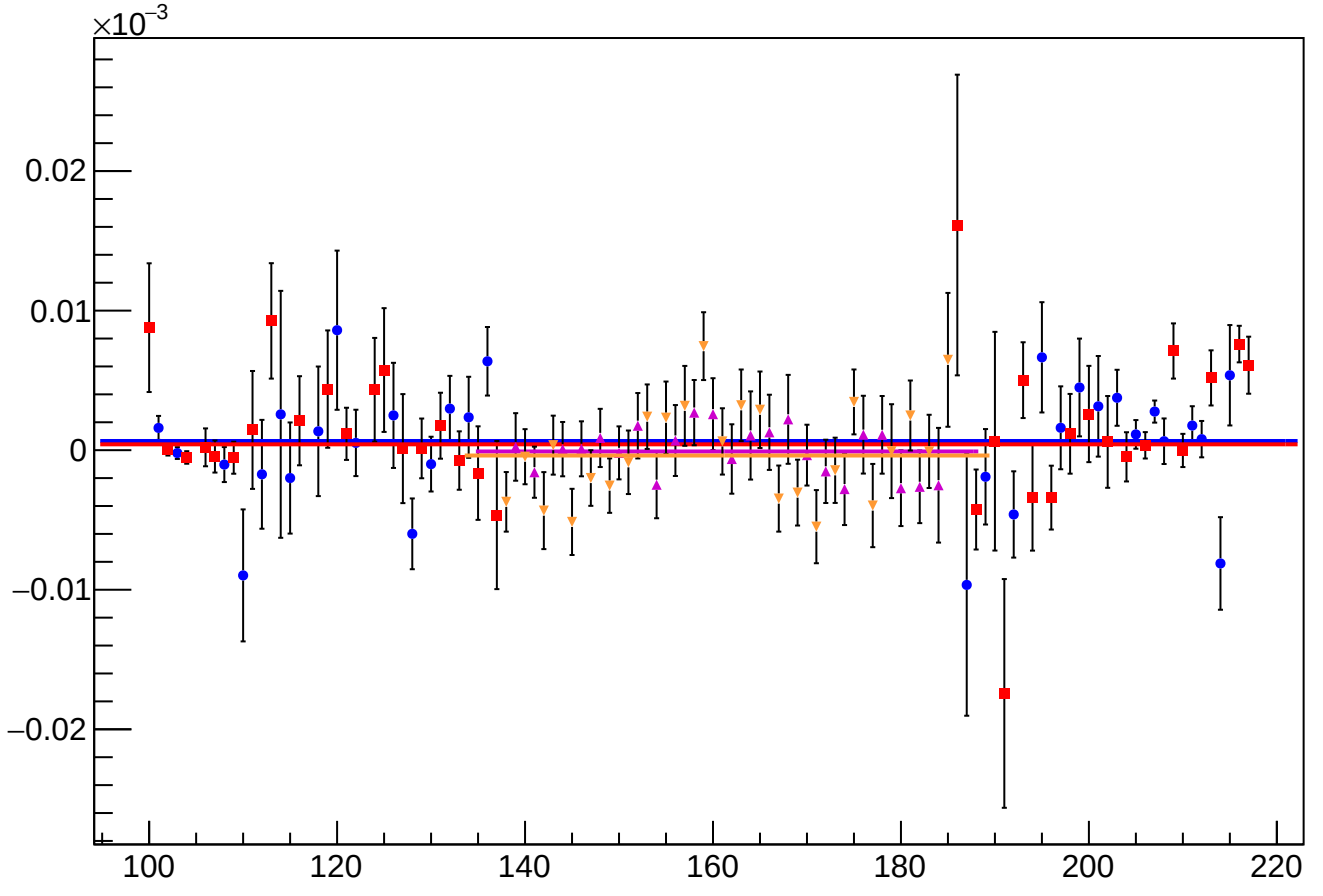
Right Out: 23.082+/-0.004 χ^2/NDF: 3986924.5/35

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.541+/-0.003 χ^2/NDF: 6676565.4/55

All: 24.489+/-0.002 χ^2/NDF: 13523524.3/114

- sign 24.437+/-0.003 χ^2/NDF: 6846355.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 56.5/30

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 92.5/35

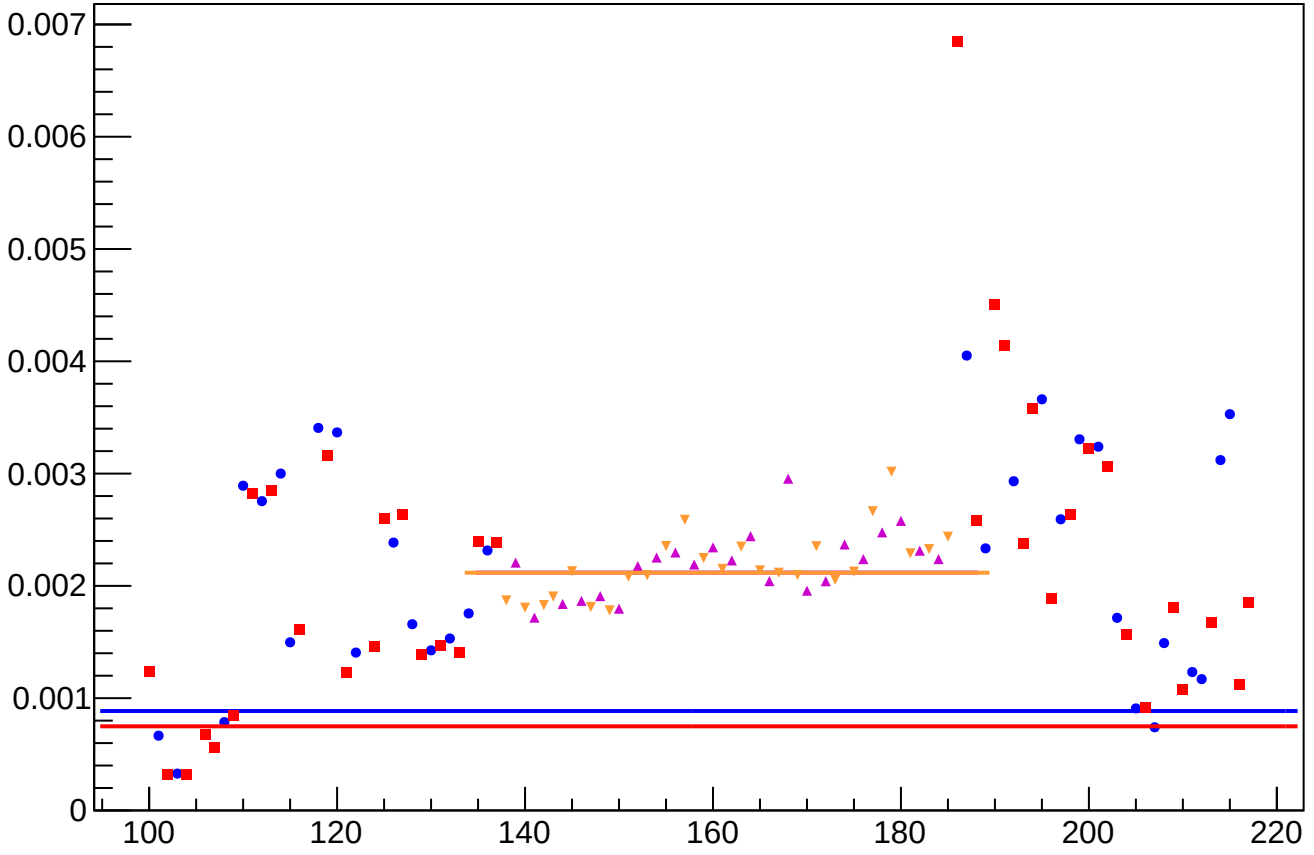
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.2/55

All: 0.000+/-0.000 χ^2/NDF: 206.8/114

- sign 0.000+/-0.000 χ^2/NDF: 103.6/58

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15152393.1/30

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18080114.9/35

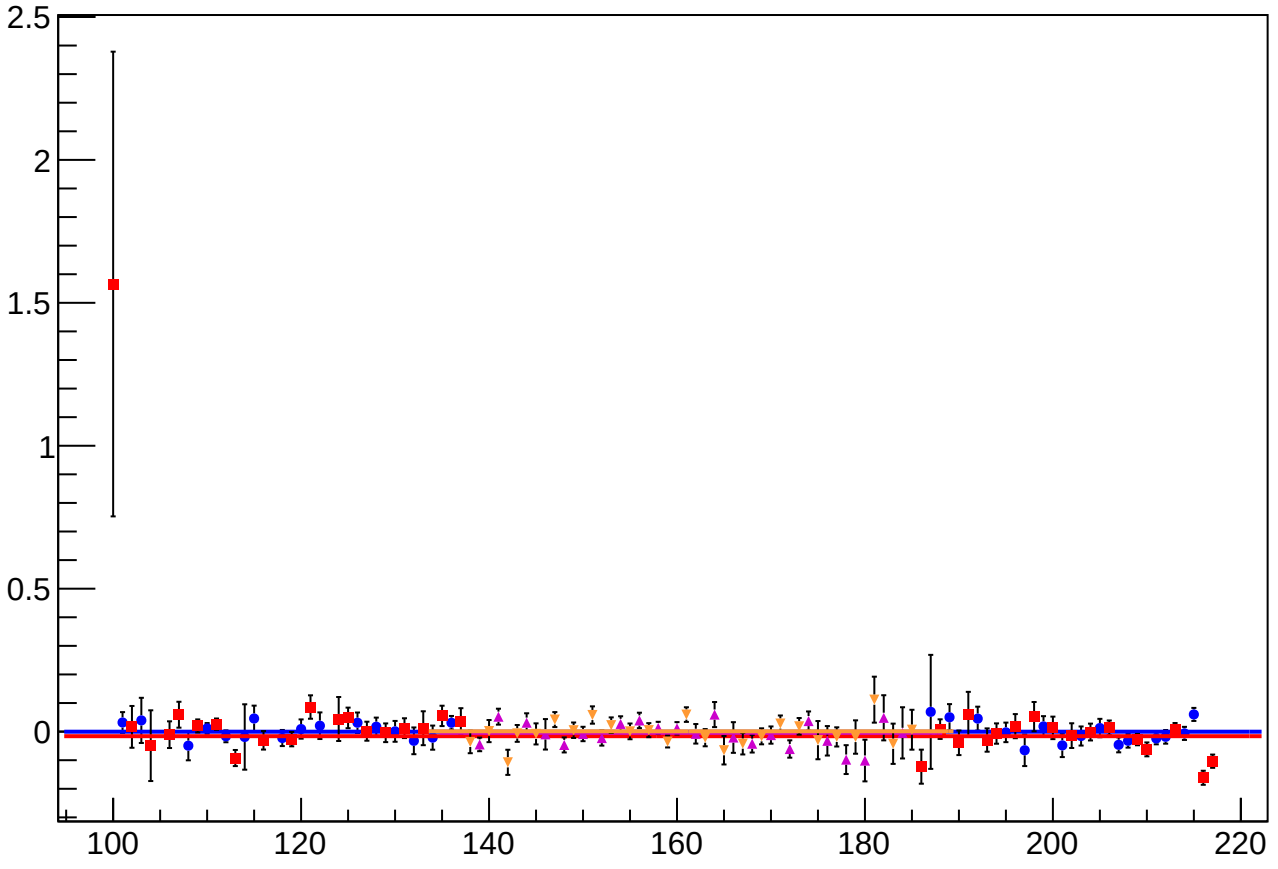
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 25577136.5/55

All: 0.001+/-0.000 χ^2/NDF: 57332633.7/114

- sign 0.001+/-0.000 χ^2/NDF: 31056188.8/58

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 101.9/35

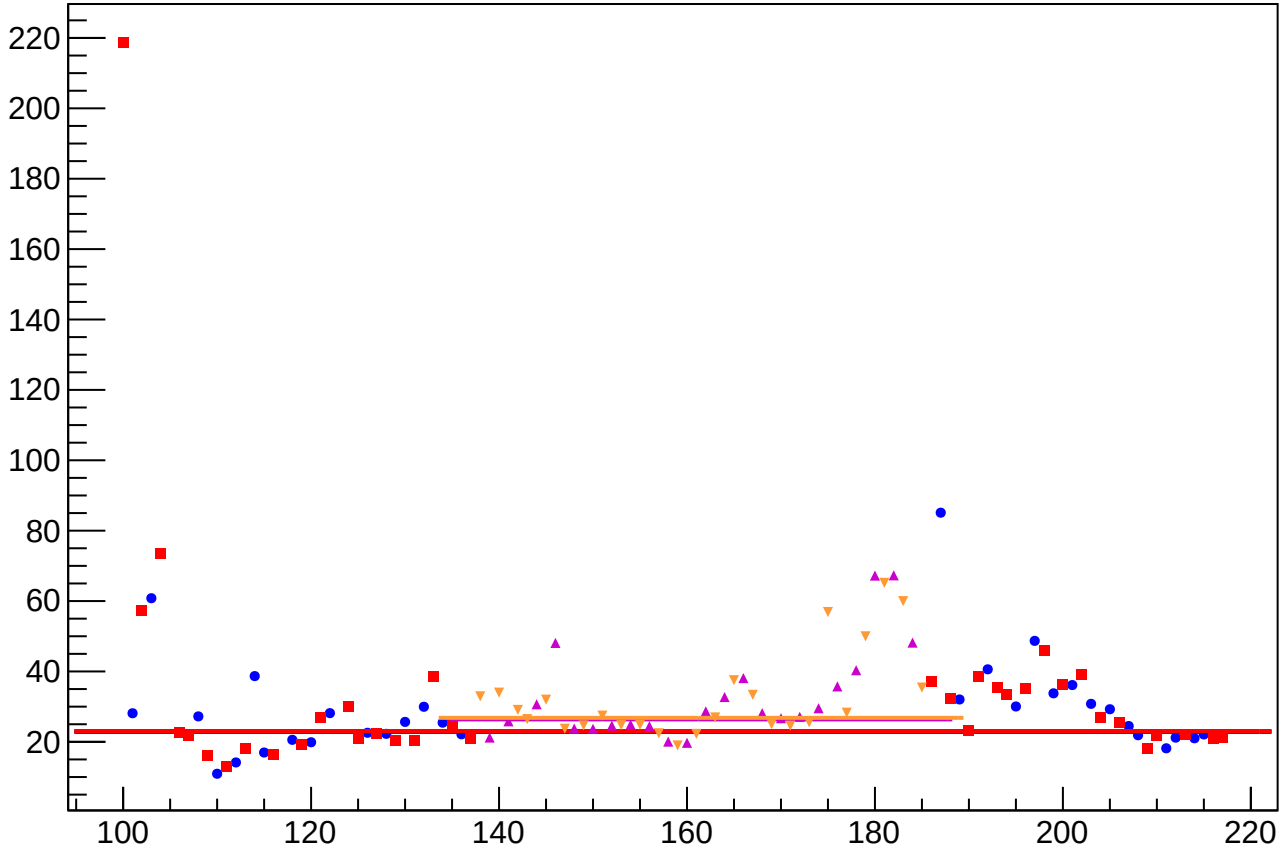
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.004 χ^2/NDF: 58.4/55

All: -0.005+/-0.003 χ^2/NDF: 197.0/114

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.833+/-0.004 χ^2/NDF: 3775575.4/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

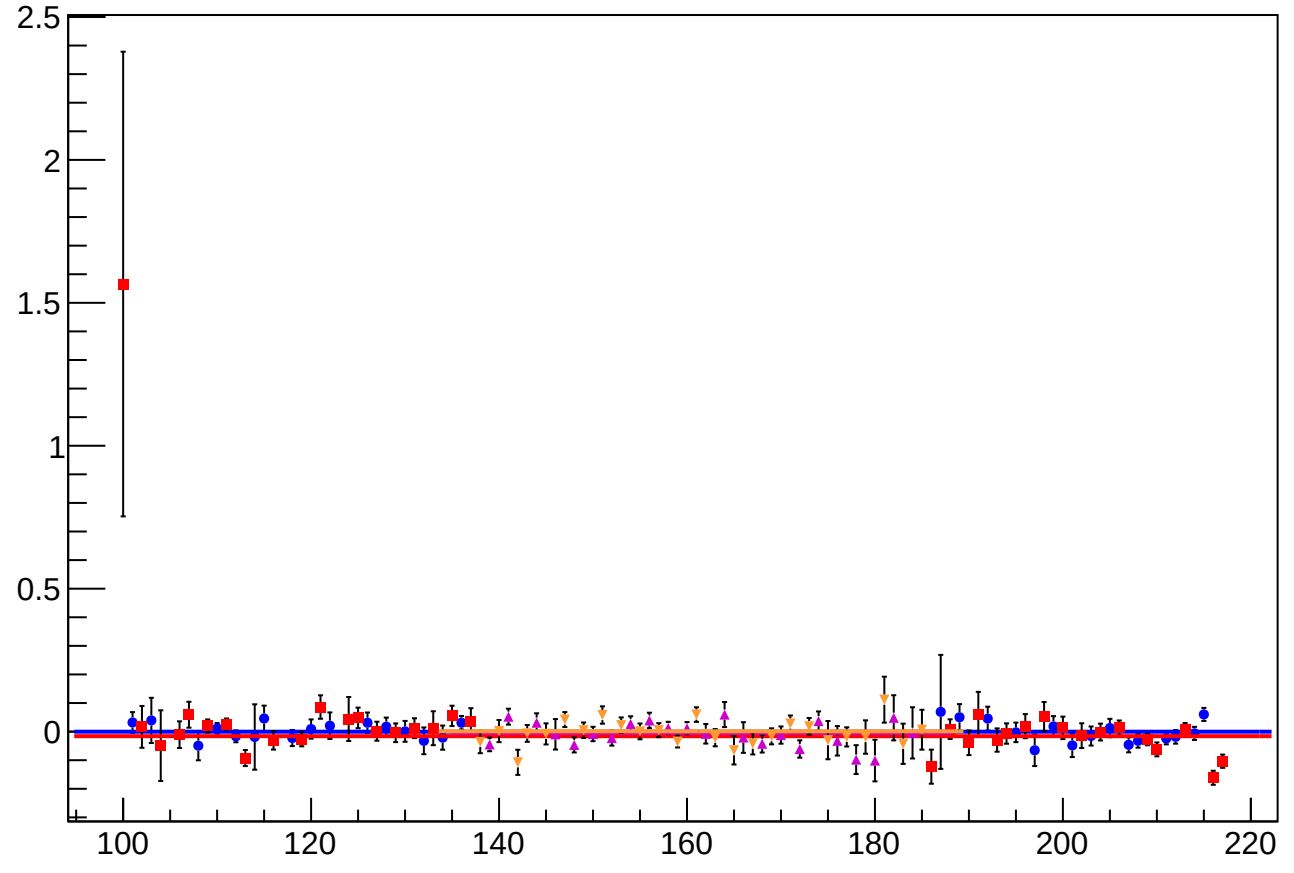
Right Out: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.542+/-0.003 χ^2/NDF: 6676245.4/55

All: 24.489+/-0.002 χ^2/NDF: 13523066.3/114

- sign 24.437+/-0.003 χ^2/NDF: 6846214.8/58



Right In: -0.000+/-0.006 χ^2/NDF: 28.1/30

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.016+/-0.006 χ^2/NDF: 101.9/35

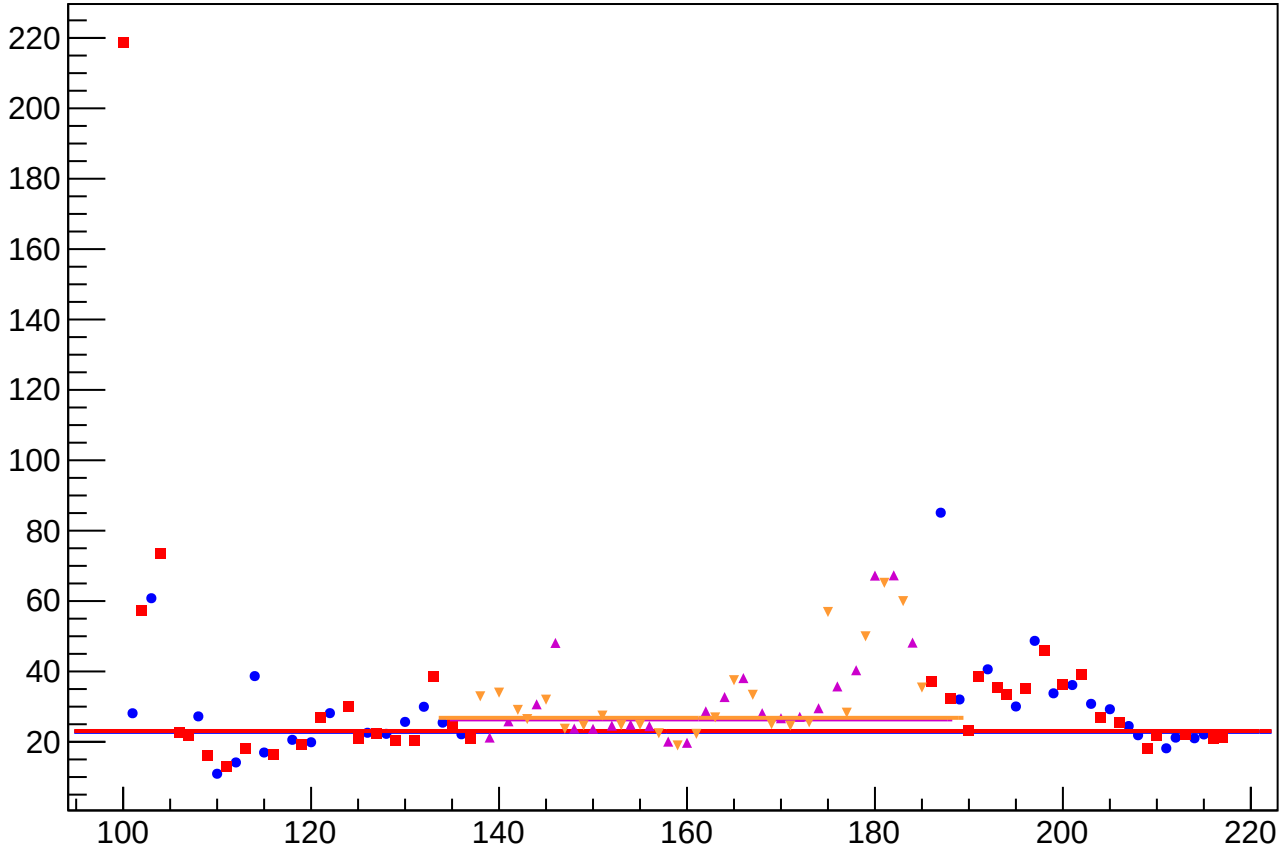
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.000+/-0.004 χ^2/NDF: 58.4/55

All: -0.005+/-0.003 χ^2/NDF: 197.0/114

- sign -0.011+/-0.004 χ^2/NDF: 135.0/58

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.833+/-0.004 χ^2/NDF: 3775575.4/30

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

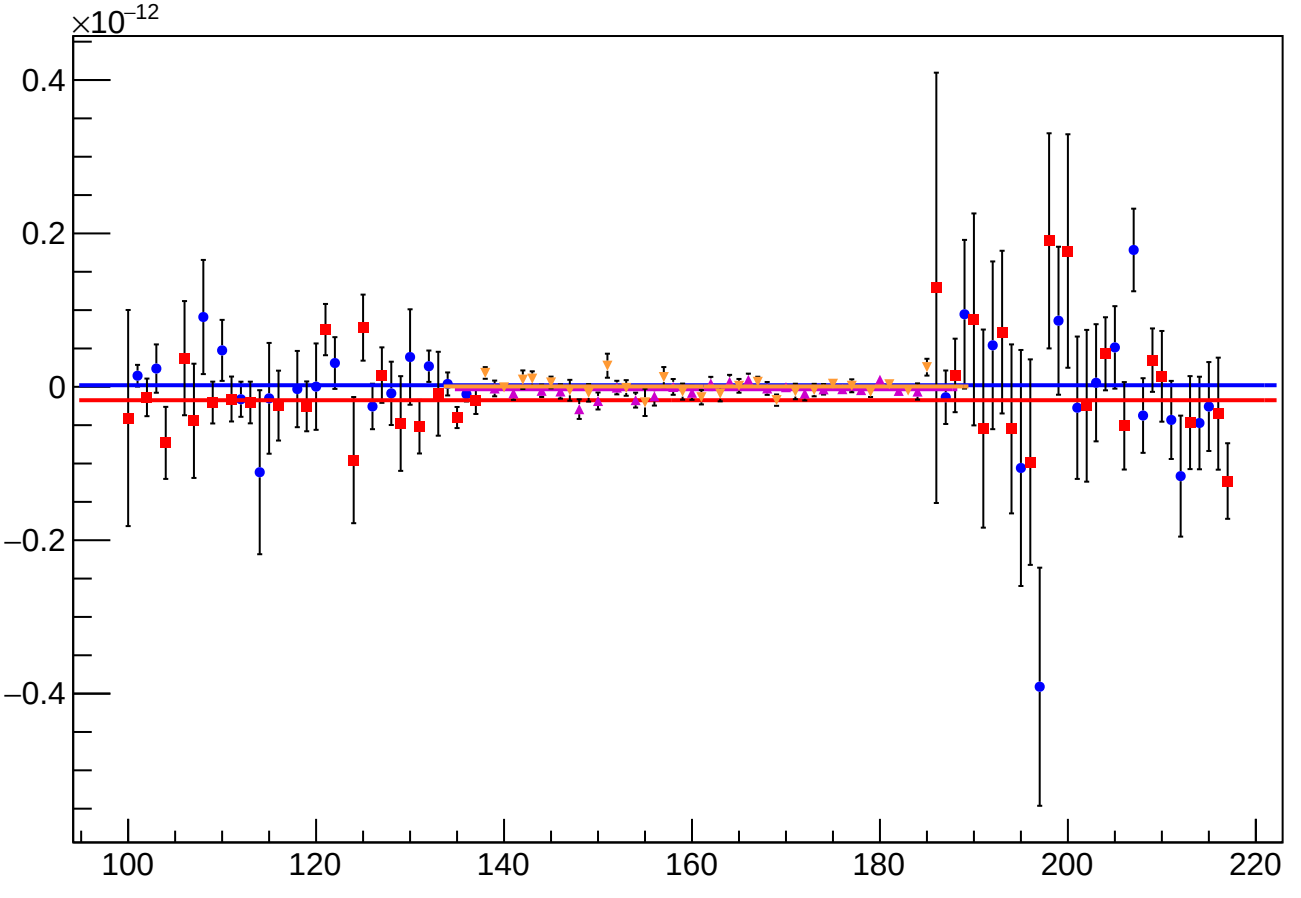
Right Out: 23.082+/-0.004 χ^2/NDF: 3986720.7/35

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.542+/-0.003 χ^2/NDF: 6676245.4/55

All: 24.489+/-0.002 χ^2/NDF: 13523066.3/114

- sign 24.437+/-0.003 χ^2/NDF: 6846214.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

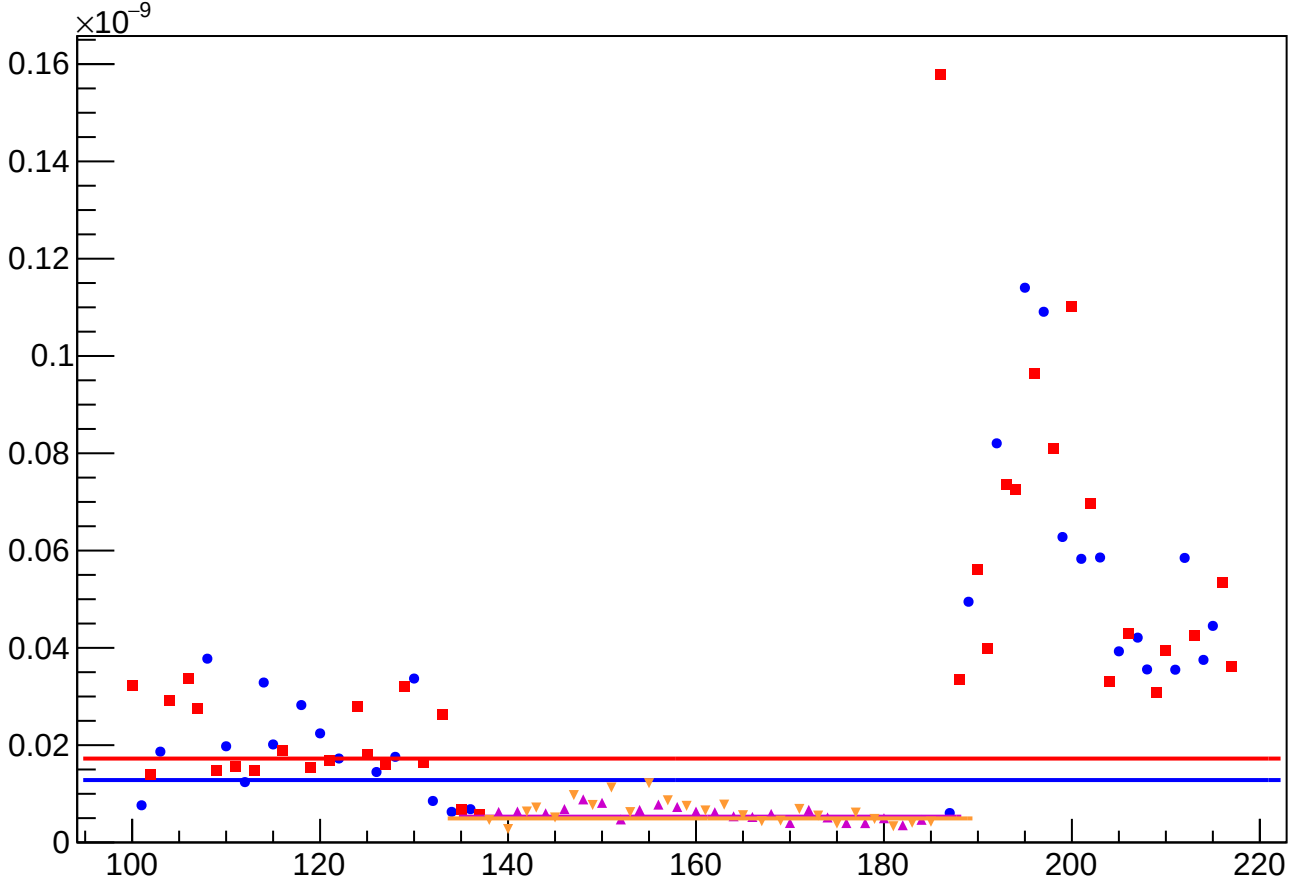
Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 68.8/55

All: -0.000+/-0.000 χ^2/NDF: 132.2/114

- sign -0.000+/-0.000 χ^2/NDF: 59.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 10574725.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9295514.3/35

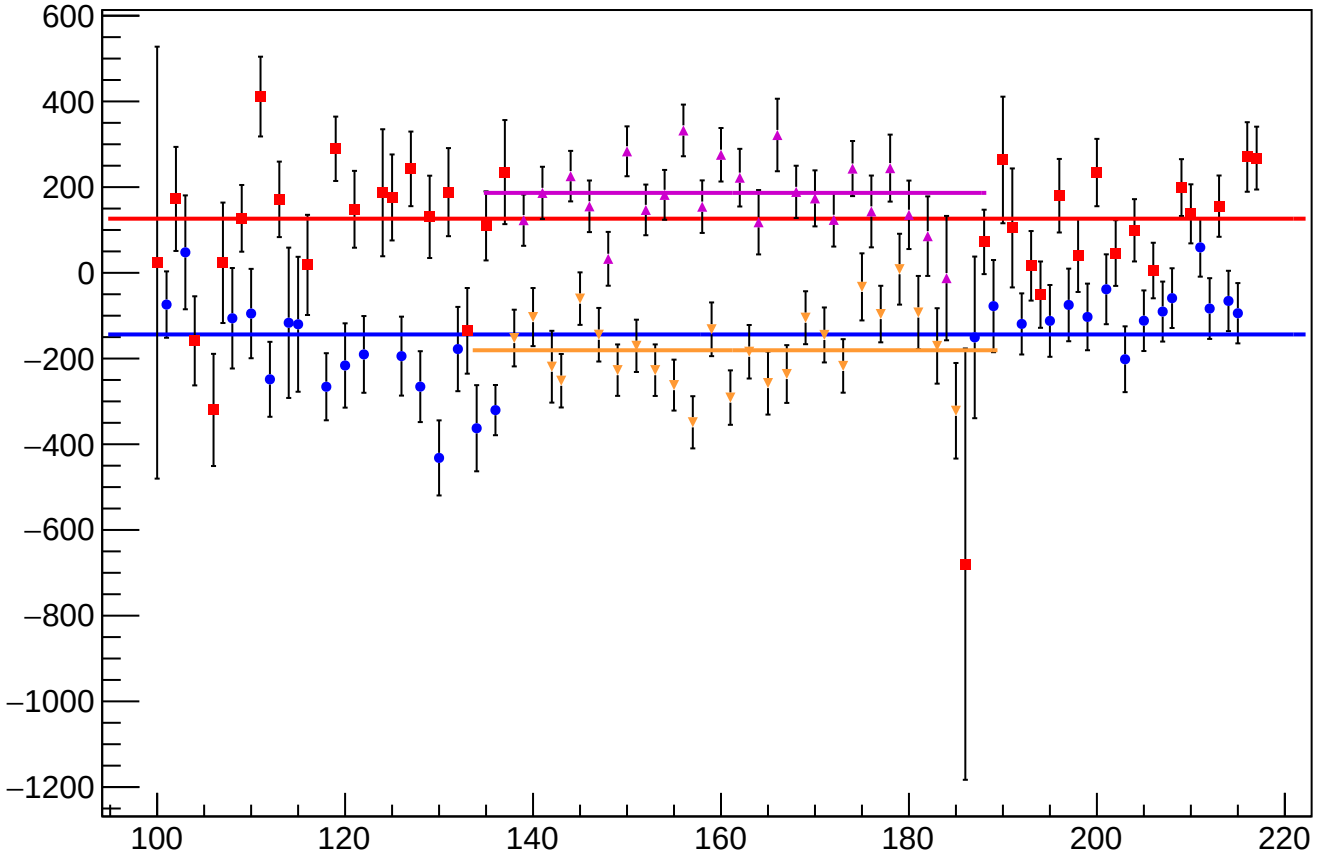
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 17263258.5/55

All: 0.000+/-0.000 χ^2/NDF: 34203951.7/114

- sign 0.000+/-0.000 χ^2/NDF: 16844935.3/58

reg_asym_sam8_mean vs Slug



Right In: -143.772+/-15.116 χ^2/NDF: 52.5/30

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.369+/-14.976 χ^2/NDF: 72.7/35

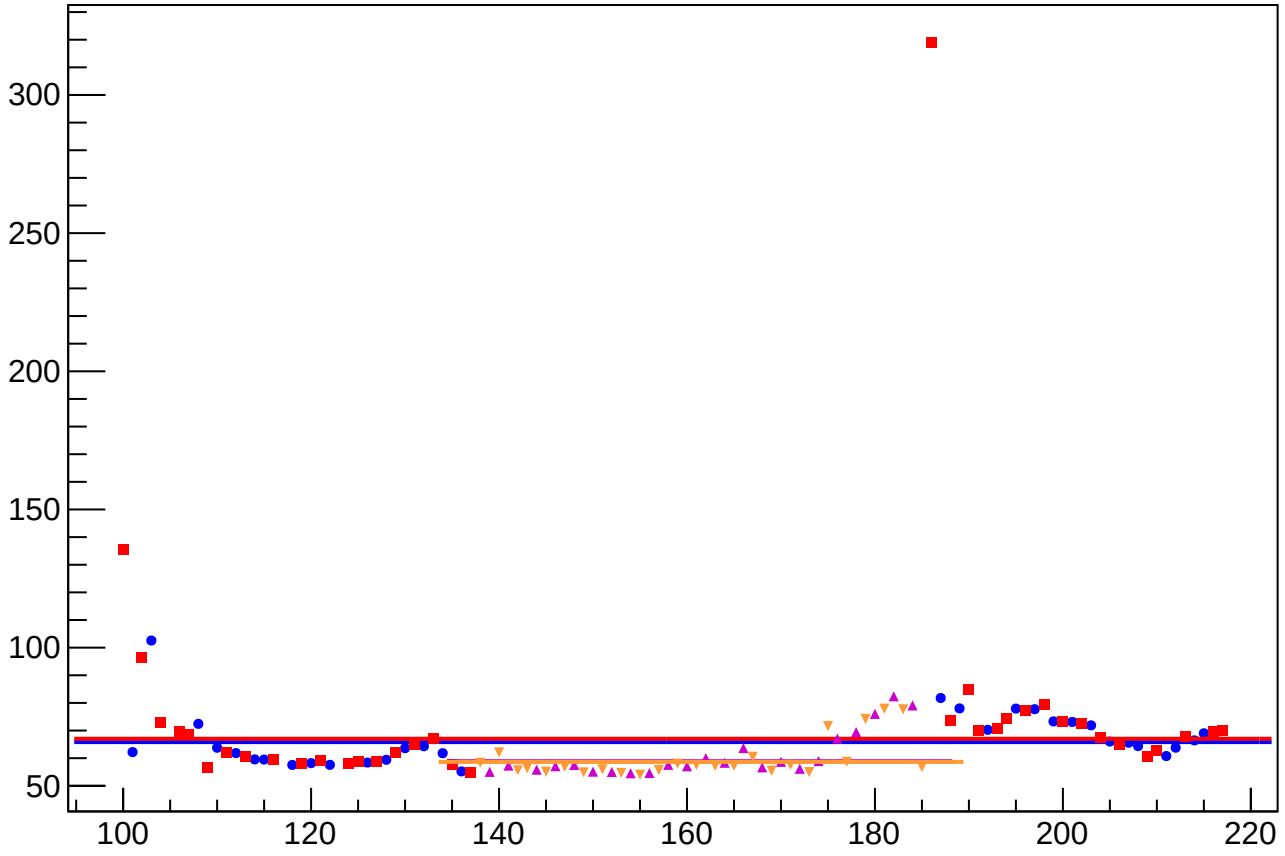
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -164.417+/-10.035 χ^2/NDF: 94.5/55

All: -5.001+/-7.144 χ^2/NDF: 716.5/114

- sign 158.794+/-10.172 χ^2/NDF: 110.4/58

reg_asym_sam8_rms vs Slug



Right In: 65.820+/-0.011 χ^2/NDF: 514714.4/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.030+/-0.011 χ^2/NDF: 1053412.5/35

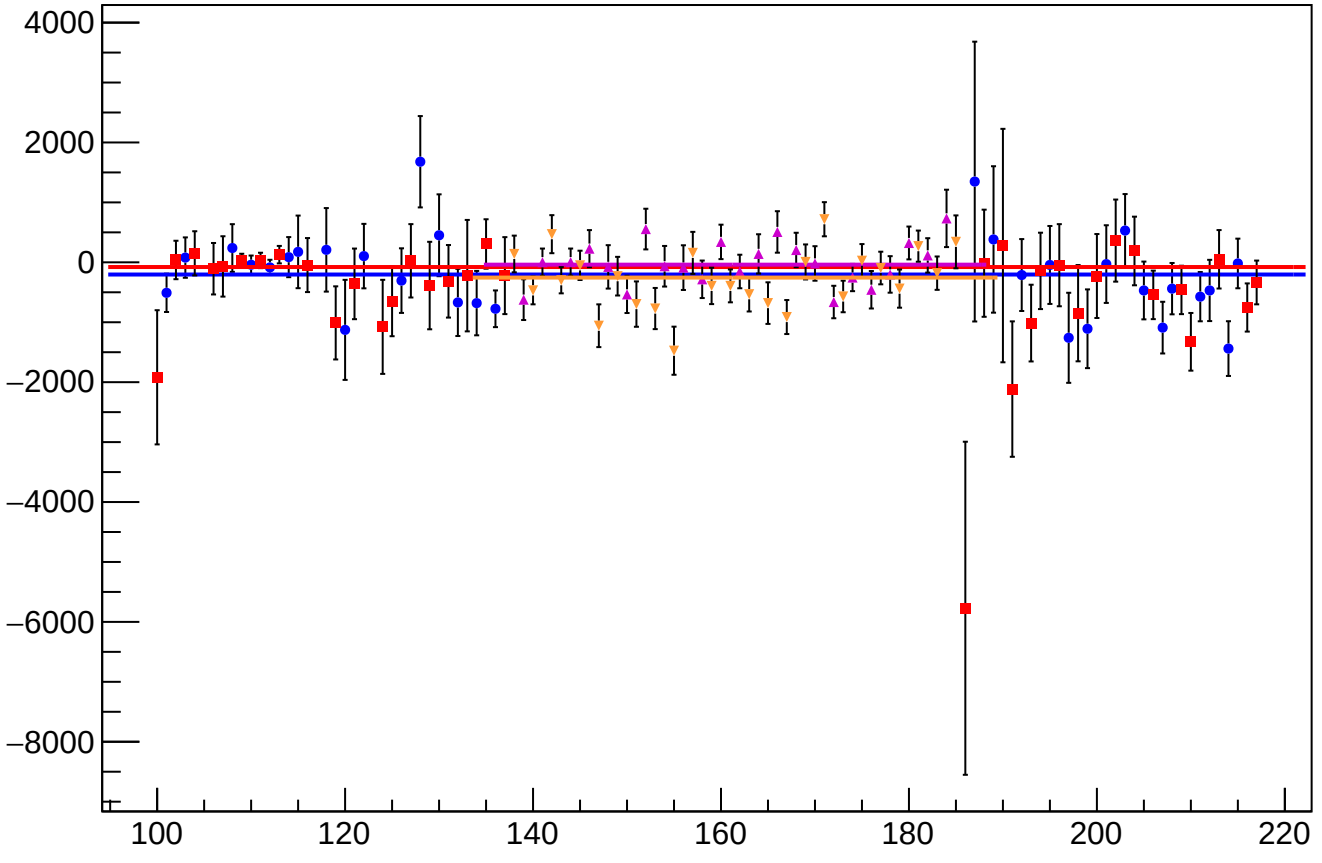
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.807+/-0.007 χ^2/NDF: 1160704.2/55

All: 62.225+/-0.005 χ^2/NDF: 2924959.9/114

- sign 62.654+/-0.007 χ^2/NDF: 1757222.1/58

asym_sam8_reg_correction_mean vs Slug



Right In: -203.631+/-66.989 χ^2/NDF: 39.5/30

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.552+/-57.993 χ^2/NDF: 36.9/35

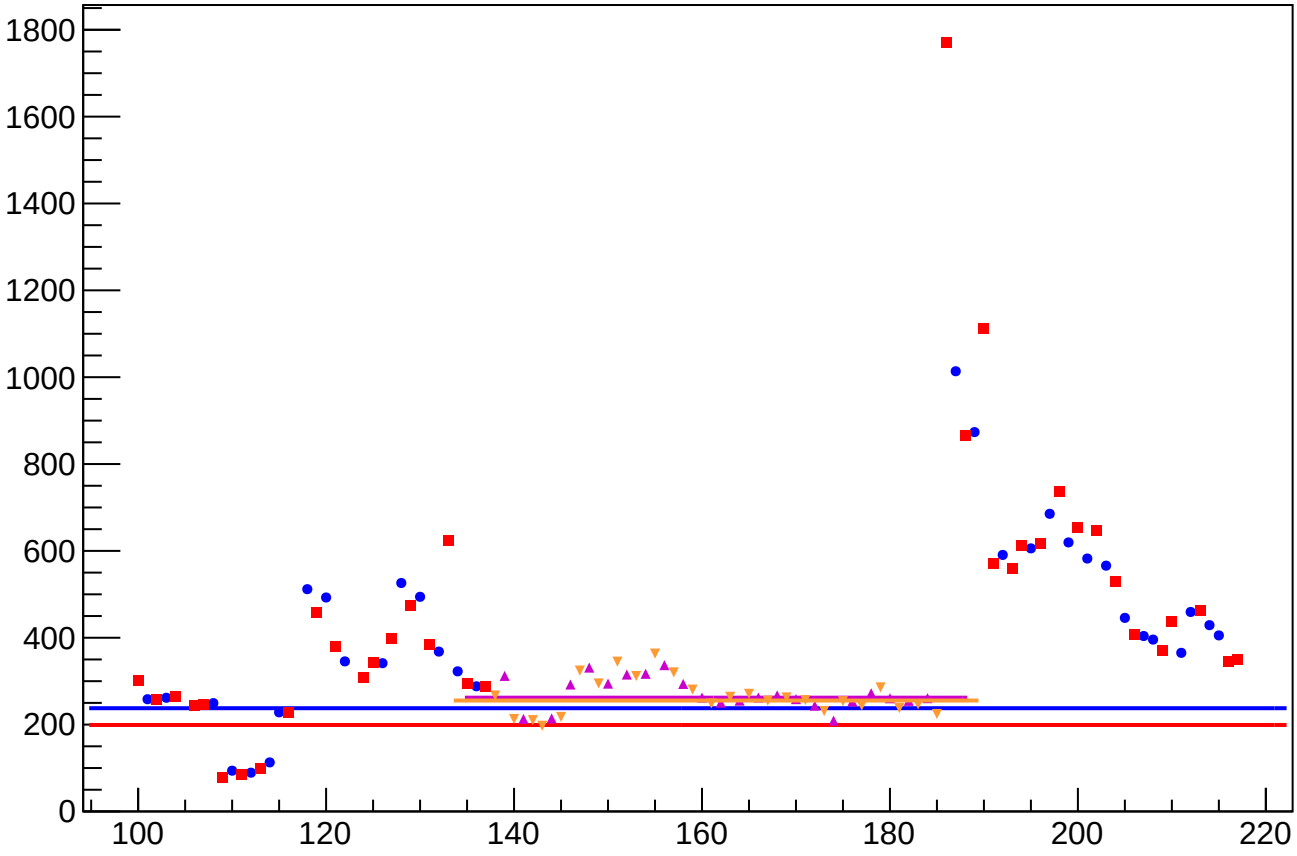
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -232.403+/-44.223 χ^2/NDF: 97.4/55

All: -142.469+/-30.574 χ^2/NDF: 170.8/114

- sign -60.127+/-42.316 χ^2/NDF: 65.5/58

asym_sam8_reg_correction_rms vs Slug



Right In: 237.751+/-0.047 χ^2/NDF: 13020438.2/30

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 199.115+/-0.041 χ^2/NDF: 17340204.1/35

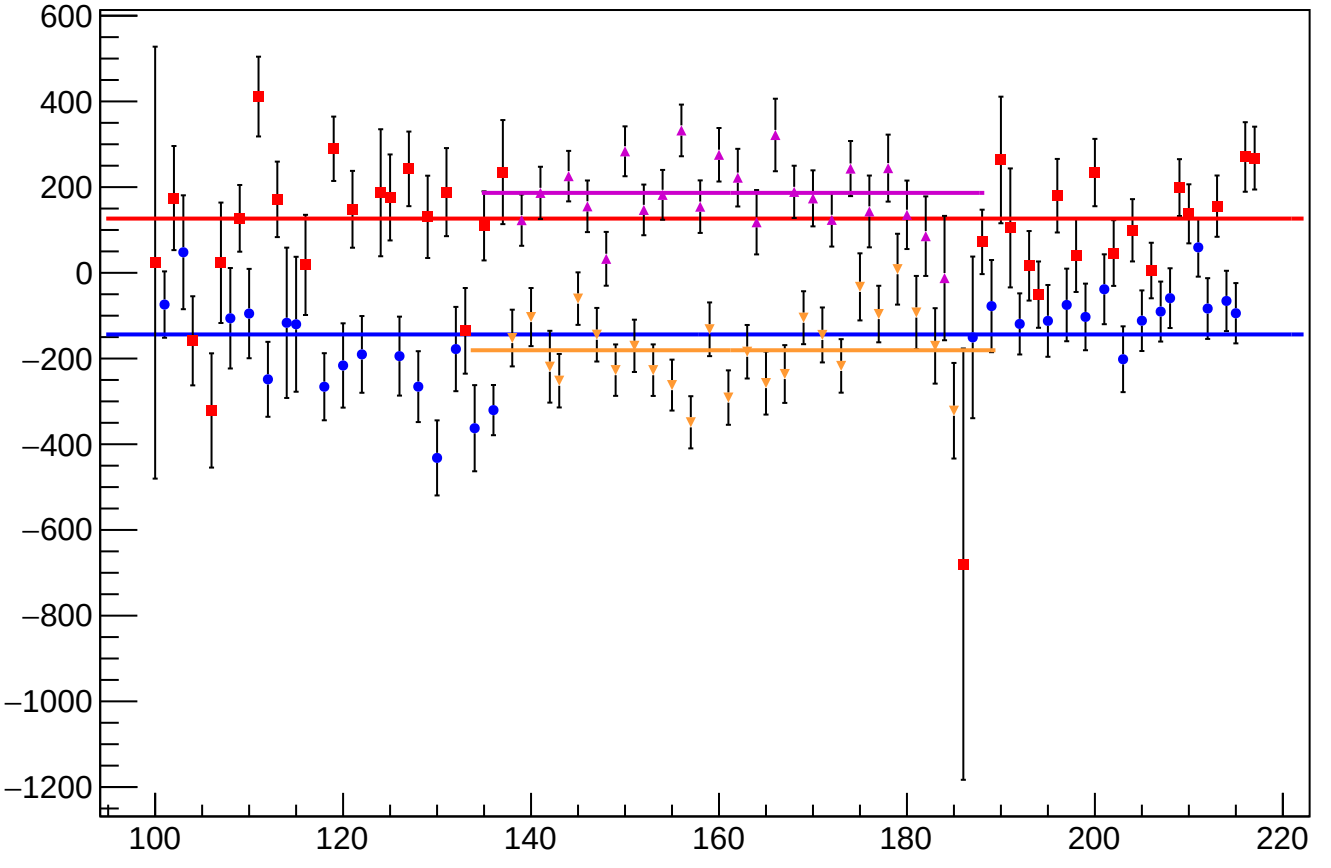
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 247.747+/-0.031 χ^2/NDF: 13963244.5/55

All: 237.711+/-0.022 χ^2/NDF: 33271171.9/11

- sign 228.523+/-0.030 χ^2/NDF: 19110617.0/58

cor_asym_sam8_mean vs Slug



Right In: -143.773+/-15.116 χ^2/NDF: 52.5/30

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.594+/-14.980 χ^2/NDF: 72.3/35

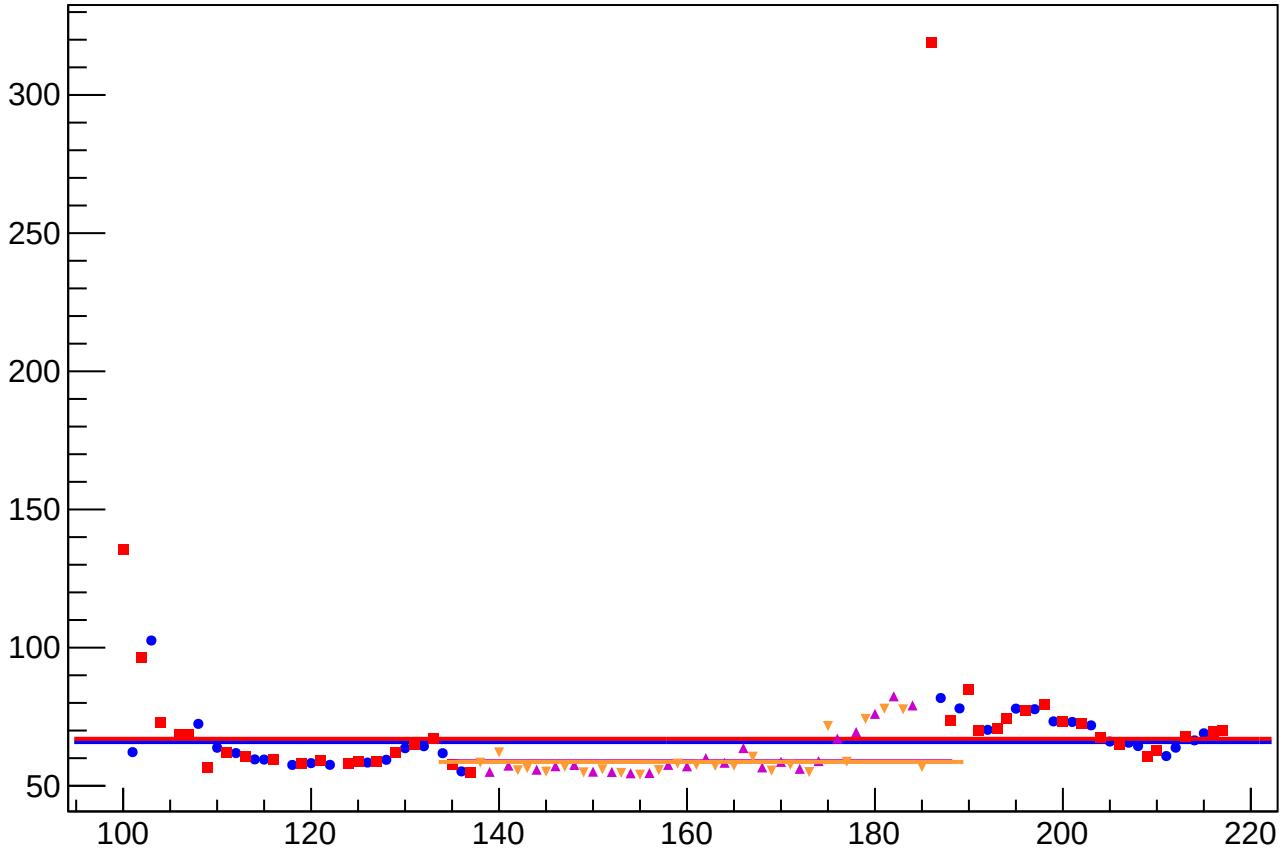
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -164.415+/-10.035 χ^2/NDF: 94.5/55

All: -4.963+/-7.144 χ^2/NDF: 716.4/114

- sign 158.906+/-10.173 χ^2/NDF: 110.0/58

cor_asym_sam8_rms vs Slug



Right In: 65.820+/-0.011 χ^2/NDF: 514716.8/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

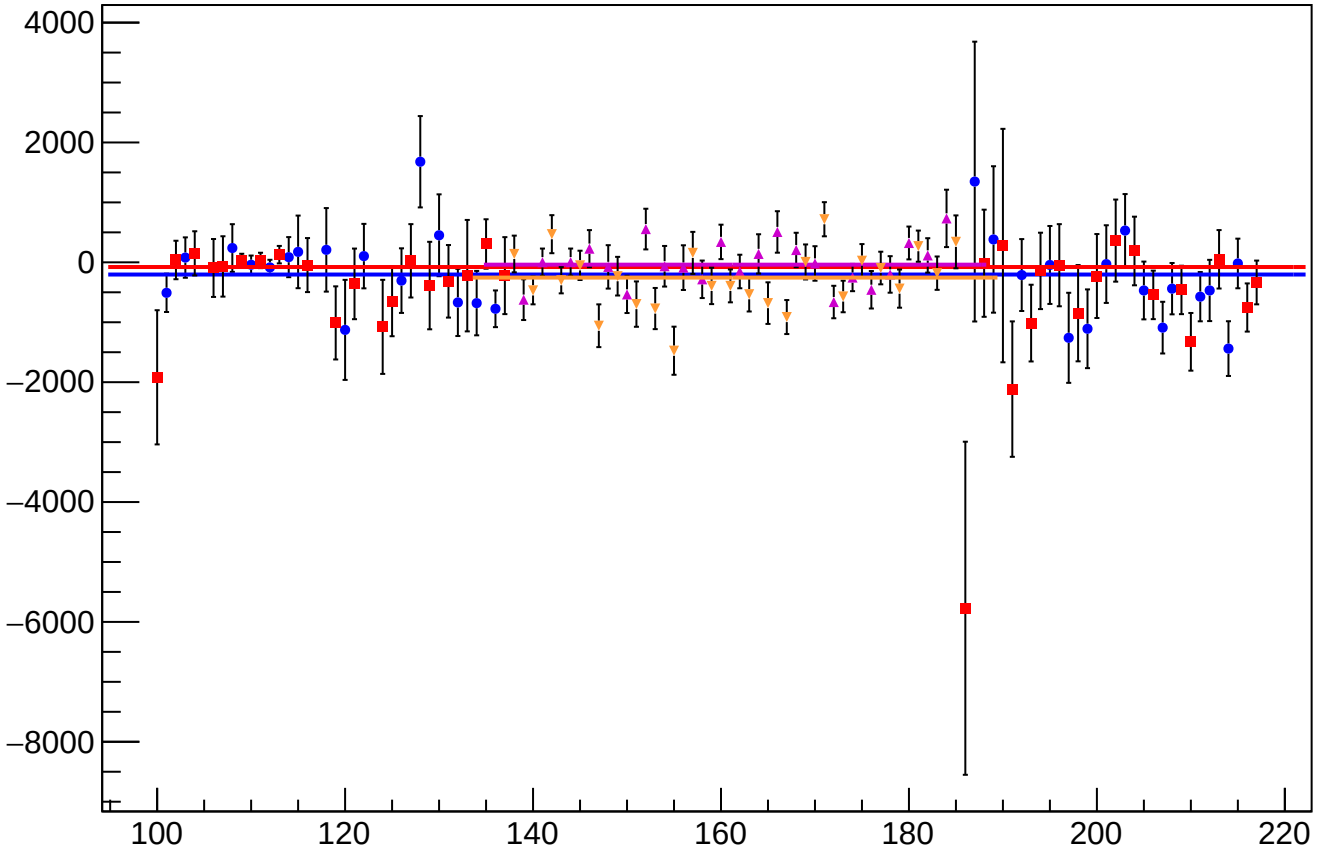
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.807+/-0.007 χ^2/NDF: 1160706.7/55

All: 62.220+/-0.005 χ^2/NDF: 2923148.5/114

- sign 62.646+/-0.007 χ^2/NDF: 1755545.1/58

asym_sam8_cor_correction_mean vs Slug



Right In: -203.619+/-66.989 χ^2/NDF: 39.5/30

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.285+/-58.107 χ^2/NDF: 36.9/35

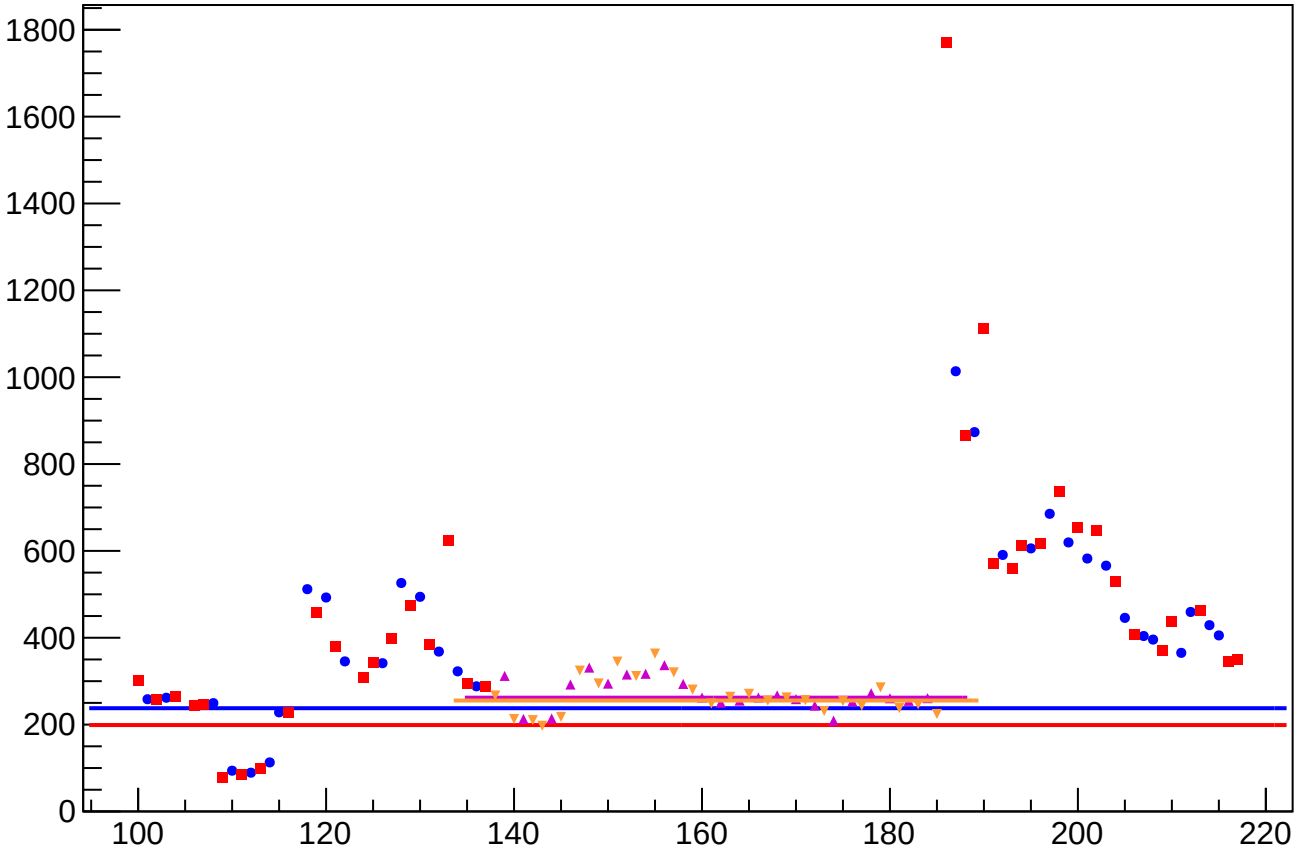
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -232.396+/-44.224 χ^2/NDF: 97.4/55

All: -142.460+/-30.591 χ^2/NDF: 170.8/114

- sign -59.945+/-42.360 χ^2/NDF: 65.5/58

asym_sam8_cor_correction_rms vs Slug



Right In: 237.752+/-0.047 χ^2/NDF: 13020461.9/30

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

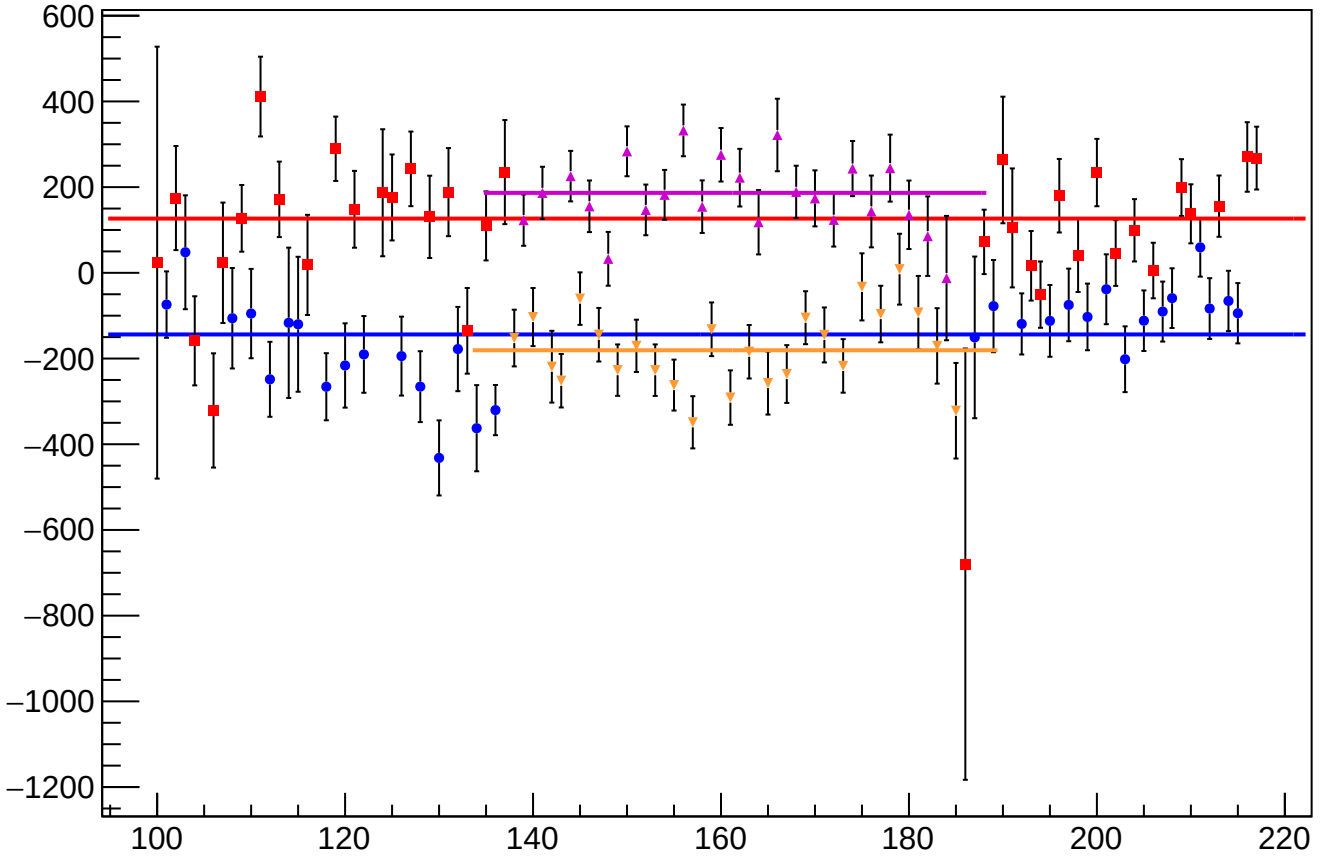
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 247.748+/-0.031 χ^2/NDF: 13963260.1/55

All: 237.707+/-0.022 χ^2/NDF: 33271536.8/11

- sign 228.494+/-0.030 χ^2/NDF: 19110574.4/58

eigen_cor_asym_sam8_mean vs Slug



Right In: -143.773+/-15.116 χ^2/NDF: 52.5/30

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 126.594+/-14.980 χ^2/NDF: 72.3/35

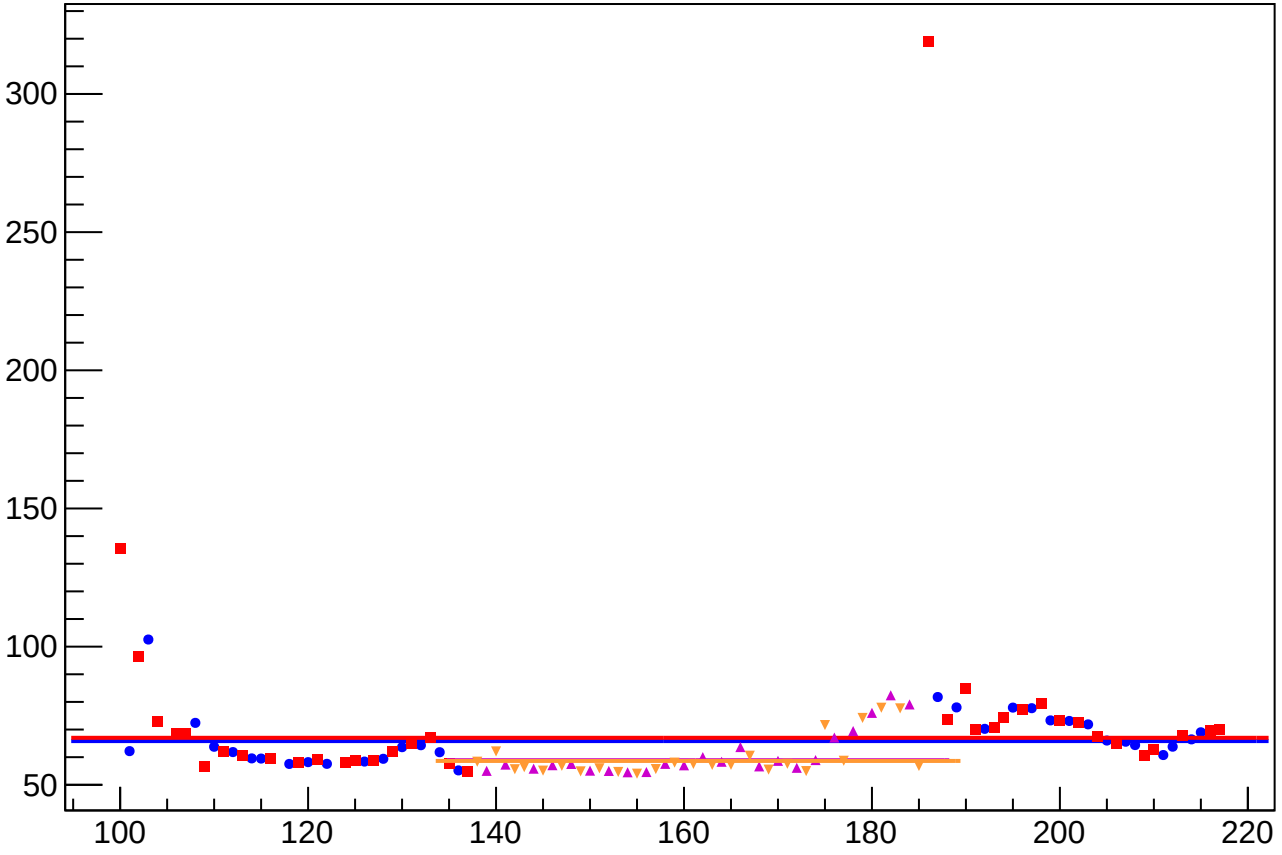
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -164.415+/-10.035 χ^2/NDF: 94.5/55

All: -4.963+/-7.144 χ^2/NDF: 716.4/114

- sign 158.906+/-10.173 χ^2/NDF: 110.0/58

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.820+/-0.011 χ^2/NDF: 514716.8/30

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.014+/-0.011 χ^2/NDF: 1053045.6/35

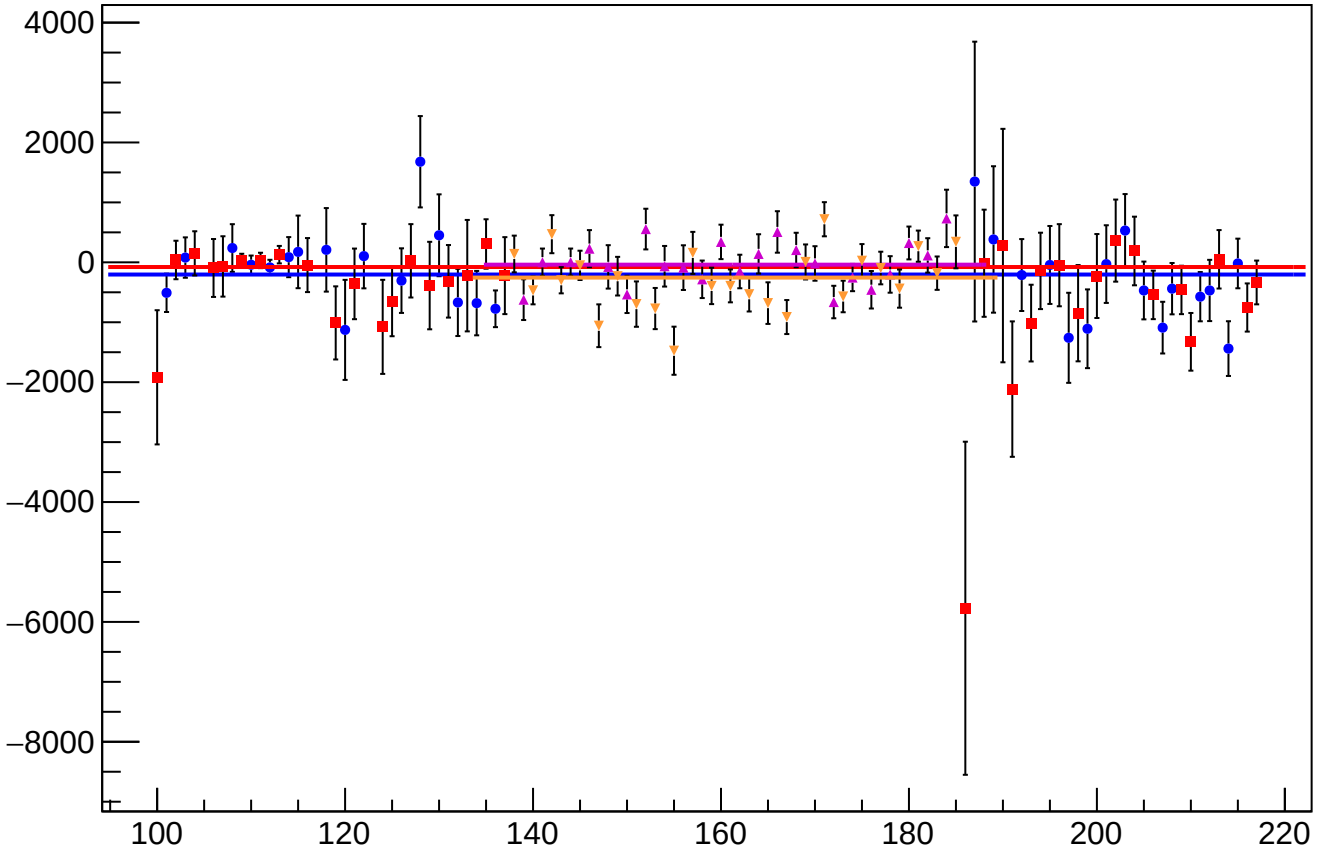
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.807+/-0.007 χ^2/NDF: 1160706.7/55

All: 62.220+/-0.005 χ^2/NDF: 2923148.5/114

- sign 62.646+/-0.007 χ^2/NDF: 1755545.1/58

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -203.619+/-66.989 χ^2/NDF: 39.5/30

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -78.285+/-58.107 χ^2/NDF: 36.9/35

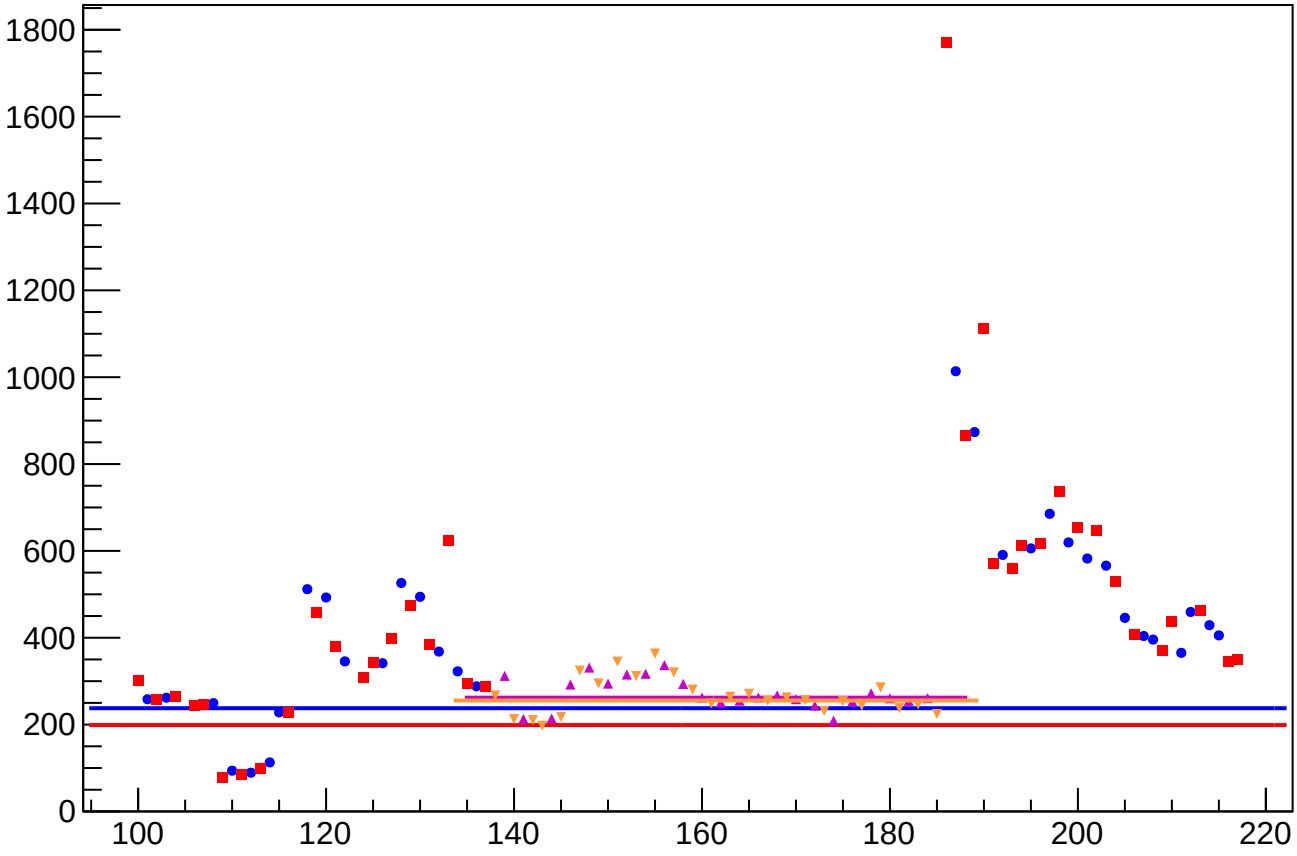
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -232.396+/-44.224 χ^2/NDF: 97.4/55

All: -142.460+/-30.591 χ^2/NDF: 170.8/114

- sign -59.945+/-42.360 χ^2/NDF: 65.5/58

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 237.752+/-0.047 χ^2/NDF: 13020461.9/30

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 198.947+/-0.041 χ^2/NDF: 17336278.5/35

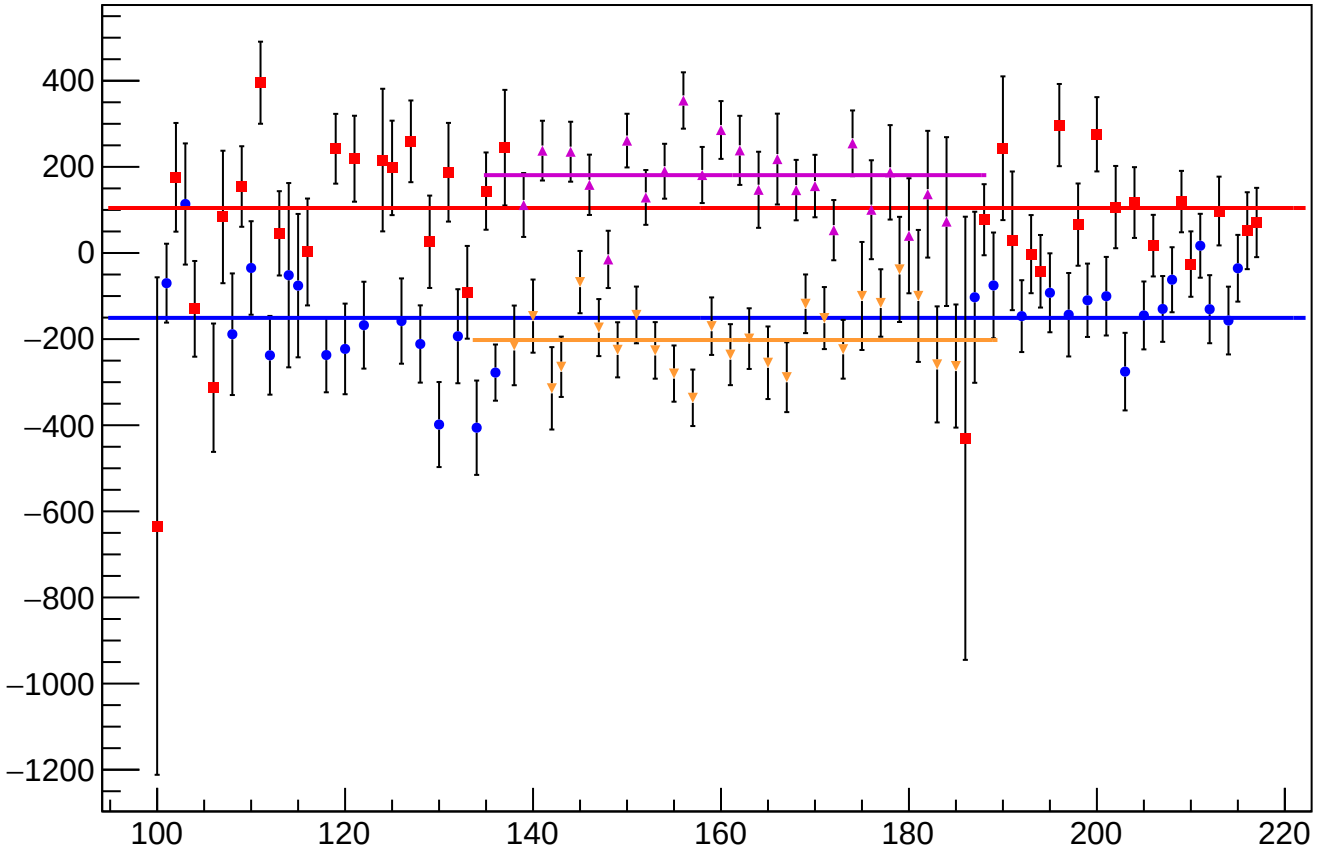
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 247.748+/-0.031 χ^2/NDF: 13963260.1/55

All: 237.707+/-0.022 χ^2/NDF: 33271536.8/11

- sign 228.494+/-0.030 χ^2/NDF: 19110574.4/58

dit_asym_sam8_mean vs Slug



Right In: -150.706+/-16.774 χ^2/NDF: 36.6/30

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 104.493+/-16.573 χ^2/NDF: 58.3/35

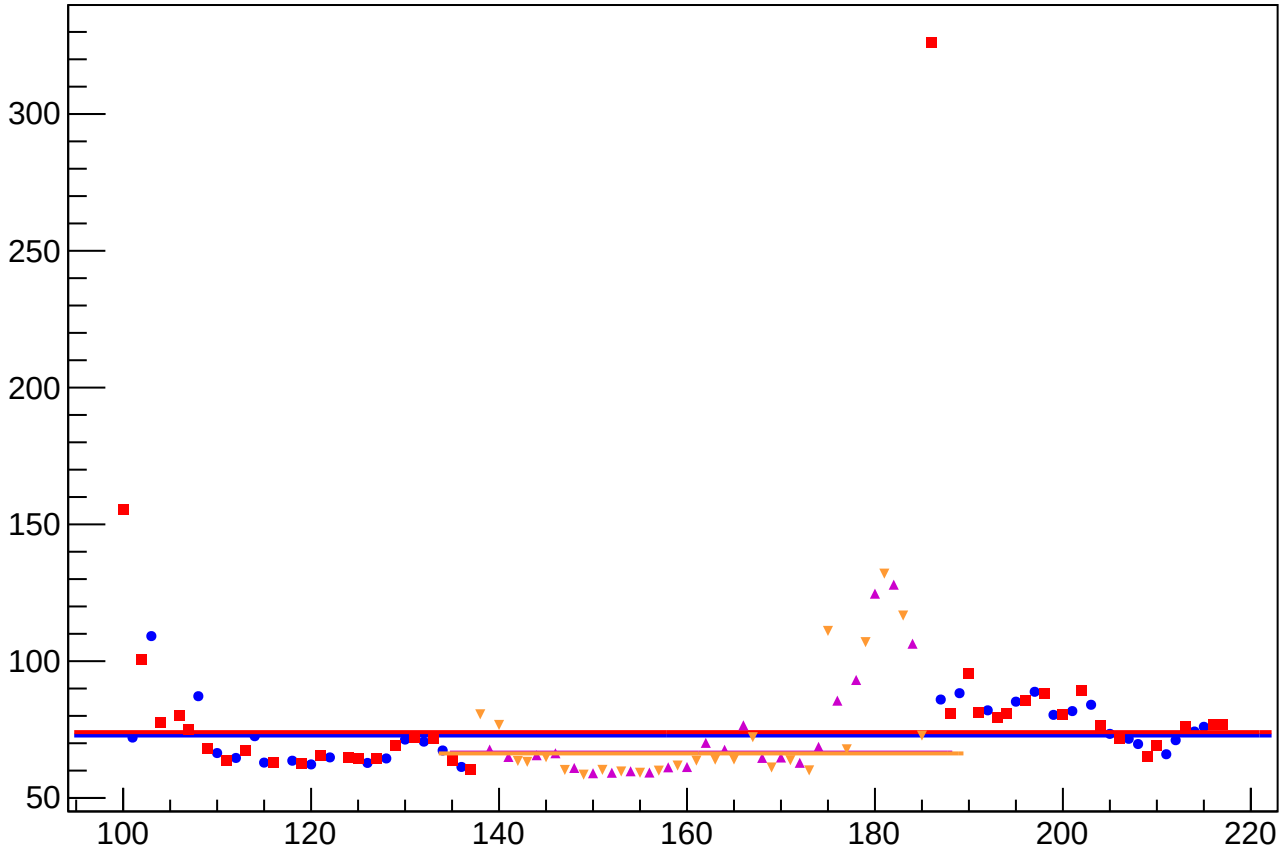
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

\+ sign -178.361+/-11.399 χ^2/NDF: 63.1/55

All: -18.888+/-8.102 χ^2/NDF: 558.1/114

\- sign 143.935+/-11.518 χ^2/NDF: 99.4/58

dit_asym_sam8_rms vs Slug



Right In: 72.824+/-0.012 χ^2/NDF: 593590.2/30

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.065+/-0.012 χ^2/NDF: 1073510.0/35

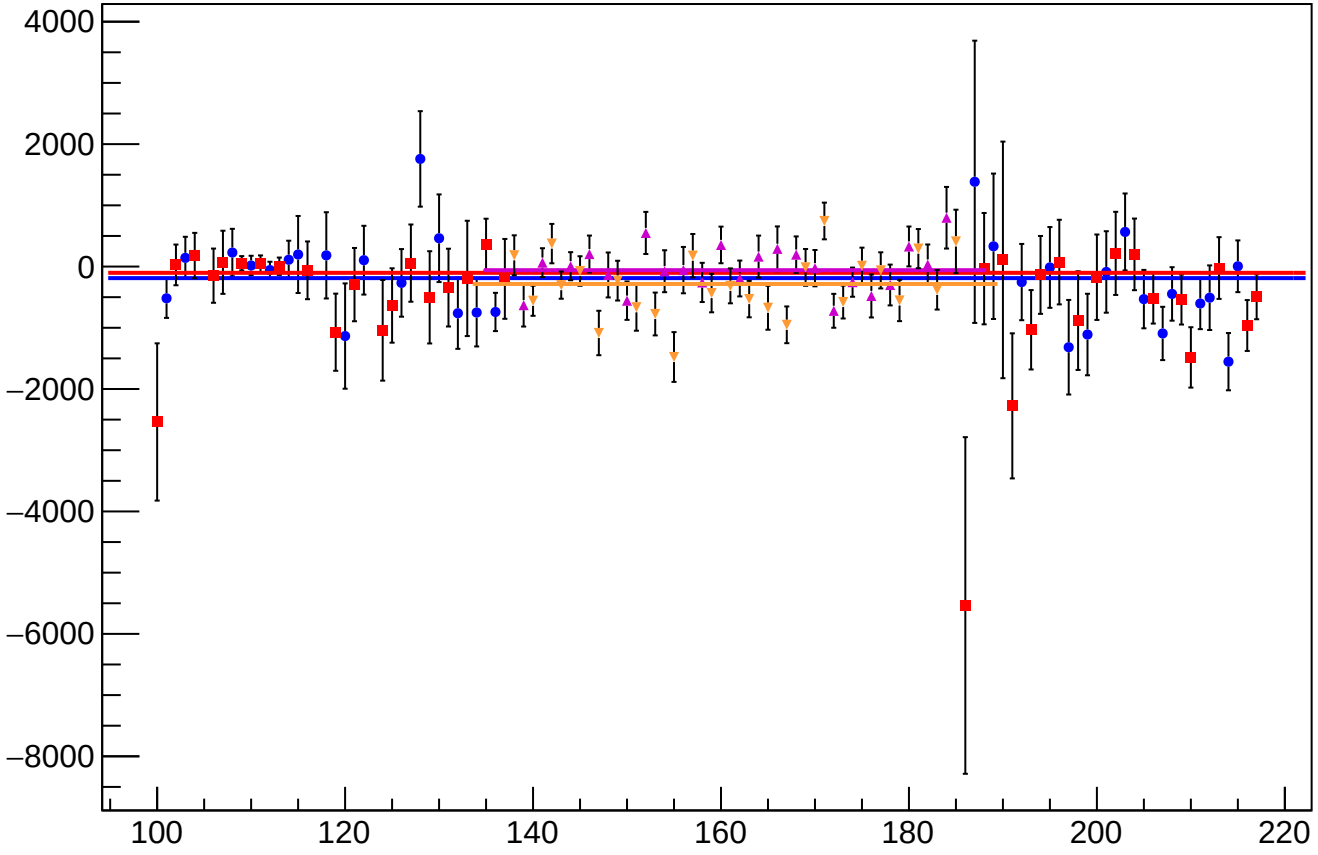
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.301+/-0.008 χ^2/NDF: 2151338.7/55

All: 69.745+/-0.006 χ^2/NDF: 4599809.2/114

- sign 70.198+/-0.008 χ^2/NDF: 2442348.1/58

asym_sam8_dit_correction_mean vs Slug



Right In: -188.901+/-68.935 χ^2/NDF: 42.6/30

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -102.290+/-59.627 χ^2/NDF: 40.5/35

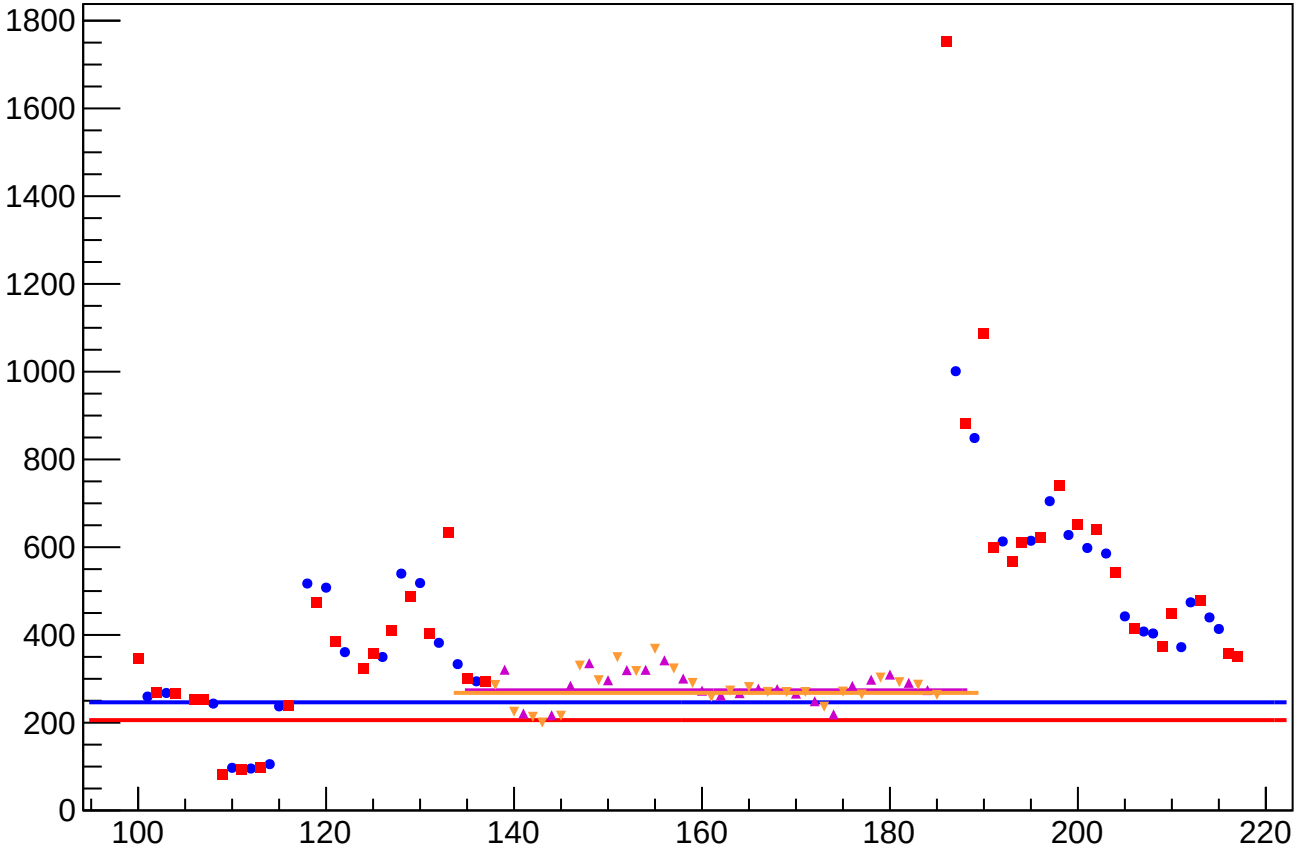
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -241.930+/-45.986 χ^2/NDF: 98.2/55

All: -158.365+/-31.726 χ^2/NDF: 172.1/114

- sign -82.461+/-43.827 χ^2/NDF: 67.6/58

asym_sam8_dit_correction_rms vs Slug



Right In: 246.483+/-0.049 χ^2/NDF: 12699639.6/30

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

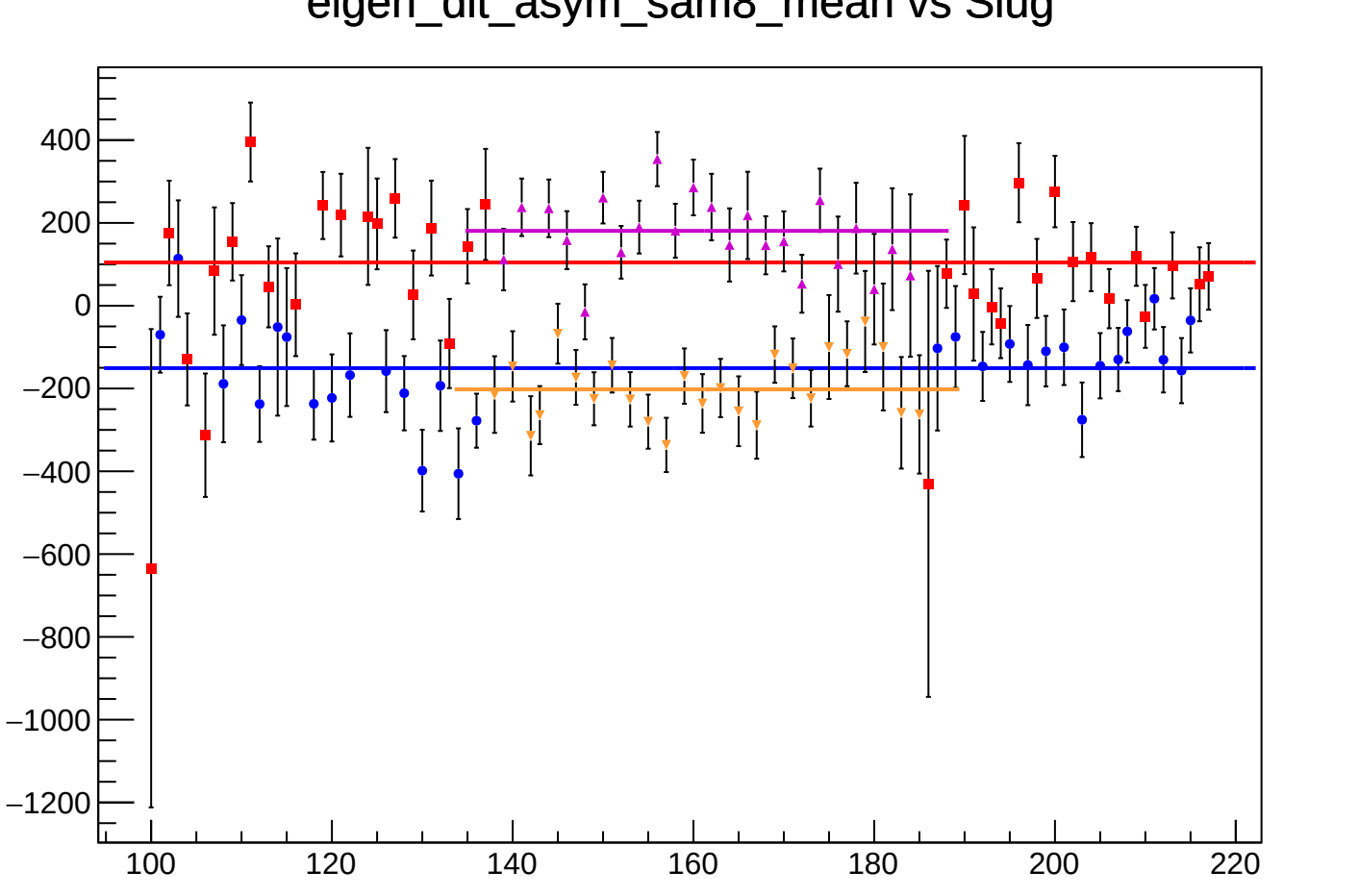
Right Out: 205.883+/-0.042 χ^2/NDF: 17077729.5/35

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 258.417+/-0.033 χ^2/NDF: 13670428.6/55

All: 247.239+/-0.022 χ^2/NDF: 32815182.0/11

- sign 237.086+/-0.031 χ^2/NDF: 18919249.3/58



Right In: -150.706+/-16.774 χ^2/NDF: 36.6/30

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 104.495+/-16.573 χ^2/NDF: 58.3/35

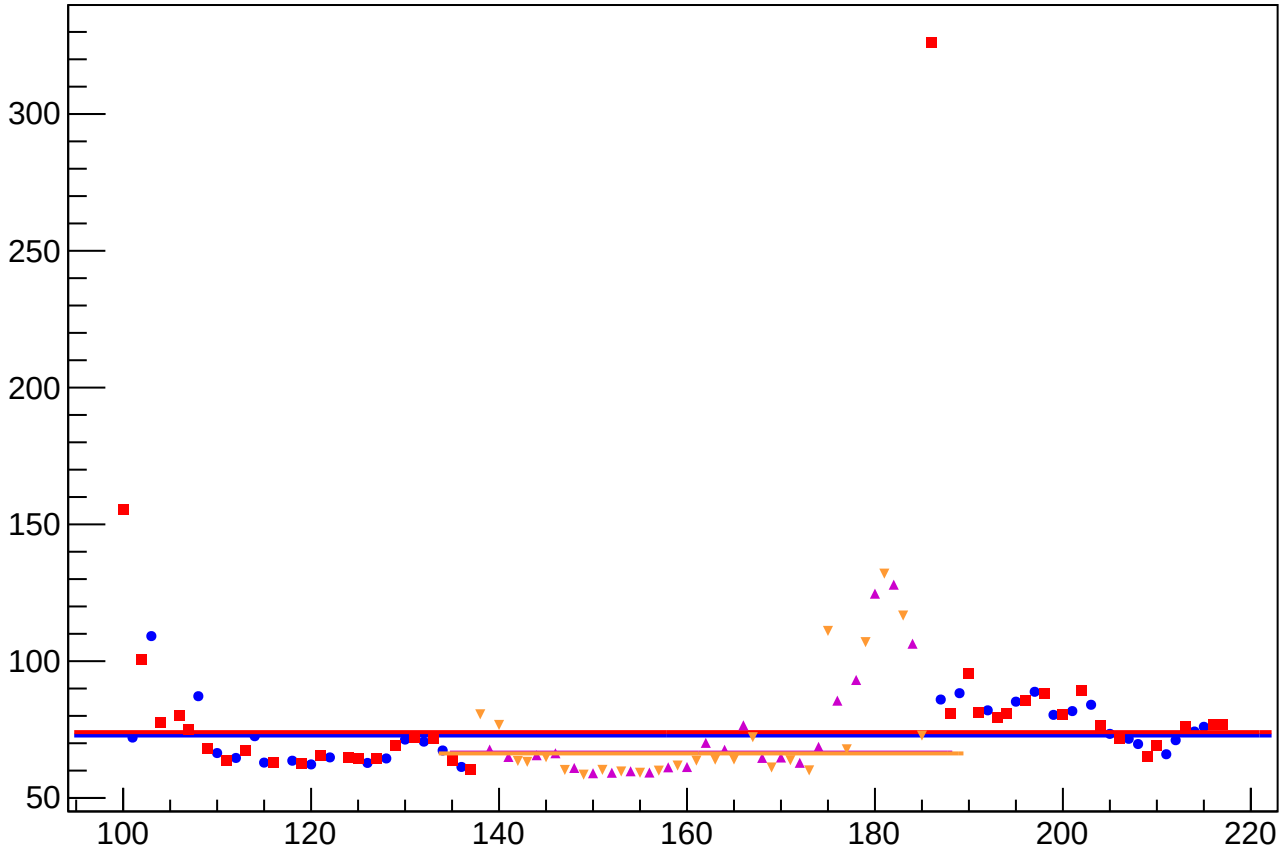
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -178.360+/-11.399 χ^2/NDF: 63.1/55

All: -18.887+/-8.102 χ^2/NDF: 558.1/114

- sign 143.936+/-11.518 χ^2/NDF: 99.4/58

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.824+/-0.012 χ^2/NDF: 593593.7/30

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.065+/-0.012 χ^2/NDF: 1073514.7/35

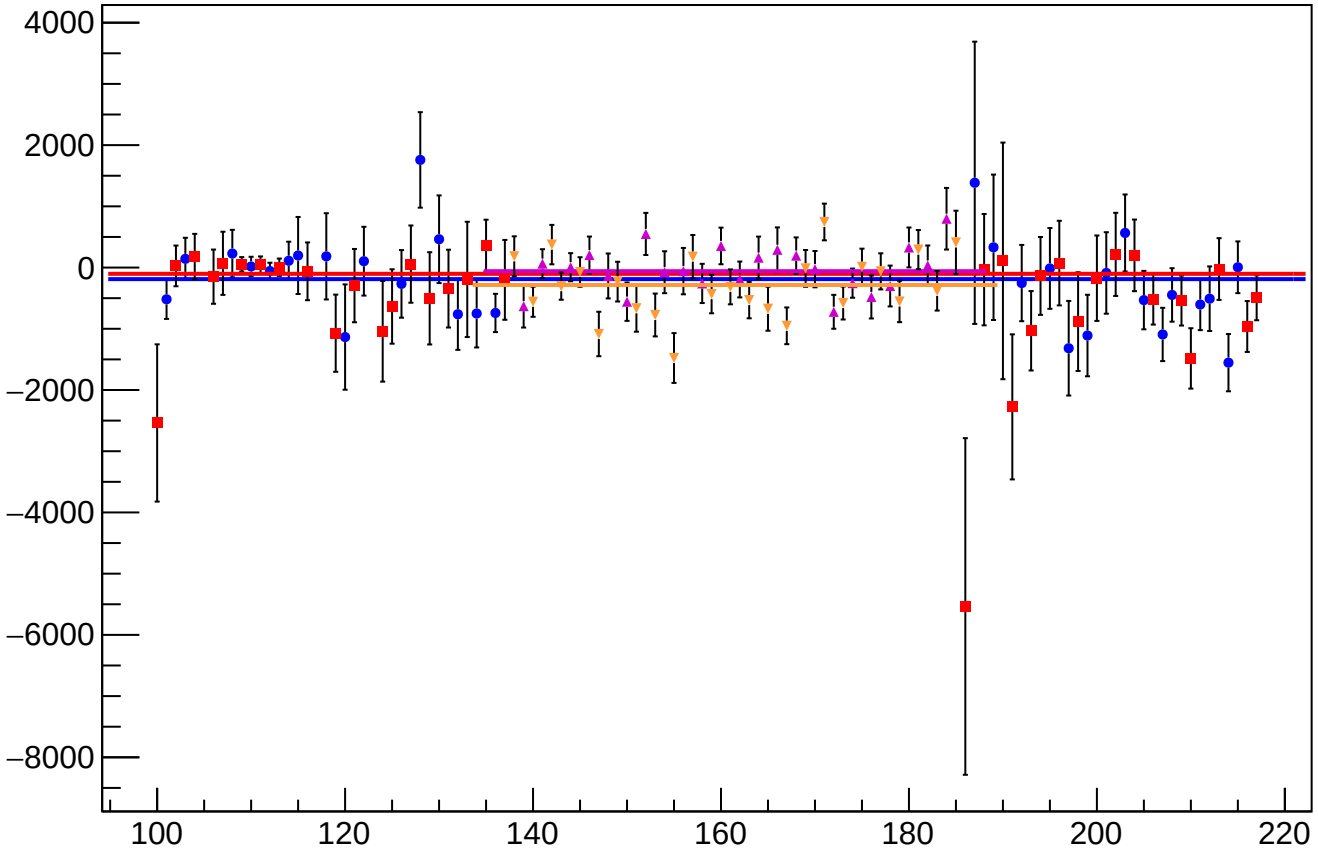
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.301+/-0.008 χ^2/NDF: 2151336.2/55

All: 69.745+/-0.006 χ^2/NDF: 4599793.6/114

- sign 70.198+/-0.008 χ^2/NDF: 2442335.0/58

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -188.899+/-68.935 χ^2/NDF: 42.6/30

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -102.289+/-59.627 χ^2/NDF: 40.5/35

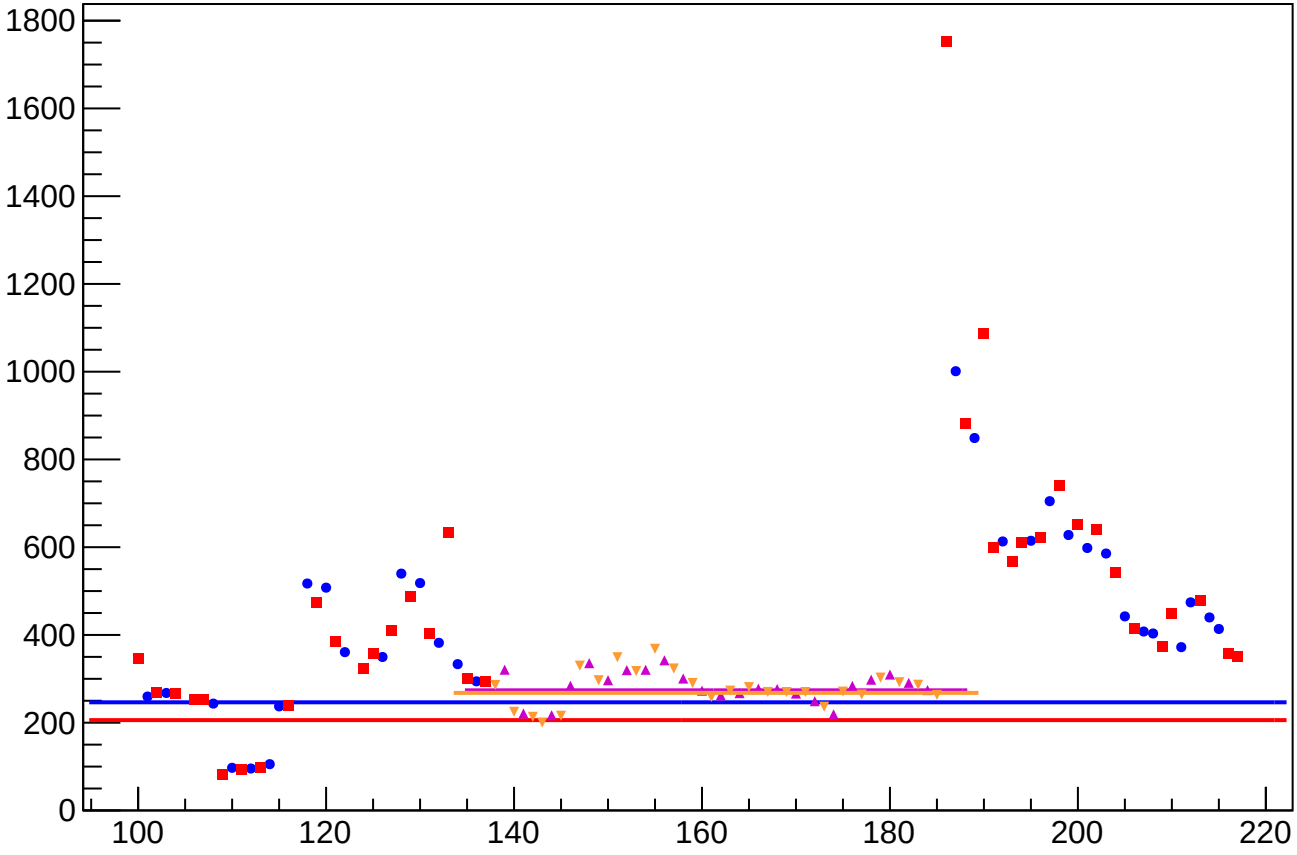
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -241.929+/-45.986 χ^2/NDF: 98.2/55

All: -158.364+/-31.726 χ^2/NDF: 172.1/114

- sign -82.460+/-43.827 χ^2/NDF: 67.6/58

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 246.481+/-0.049 χ^2/NDF: 12699725.5/30

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 205.882+/-0.042 χ^2/NDF: 17077724.9/35

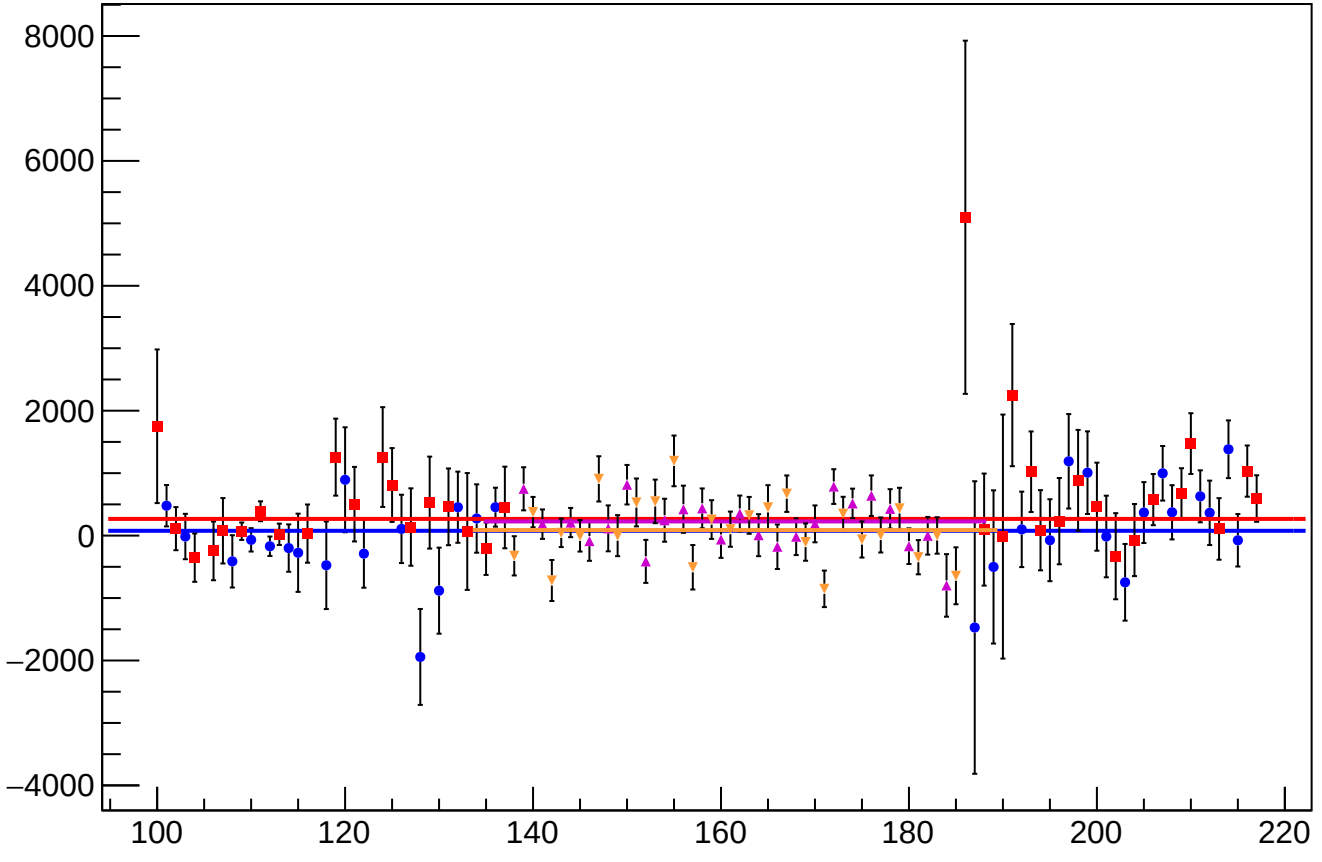
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 258.415+/-0.033 χ^2/NDF: 13670533.7/55

All: 247.238+/-0.022 χ^2/NDF: 32815266.1/11

- sign 237.085+/-0.031 χ^2/NDF: 18919240.9/58

asym_sam8_mean vs Slug



Right In: 76.815+/-74.123 χ^2/NDF: 41.9/30

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 267.295+/-65.783 χ^2/NDF: 38.5/35

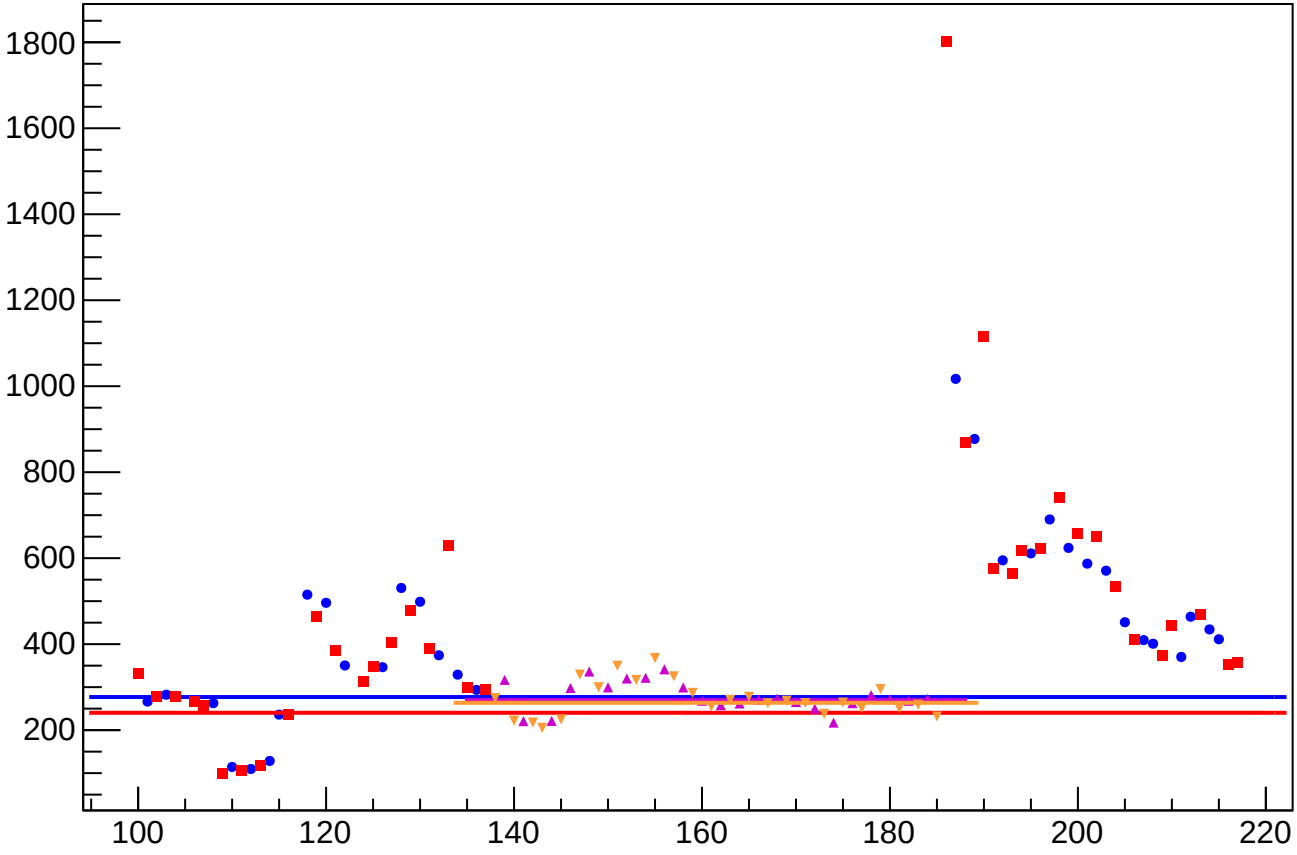
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 83.751+/-46.947 χ^2/NDF: 94.1/55

All: 167.182+/-32.766 χ^2/NDF: 167.8/114

\- sign 246.423+/-45.753 χ^2/NDF: 67.5/58

asym_sam8_rms vs Slug



Right In: 276.980+/-0.052 χ^2/NDF: 10297223.4/30

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

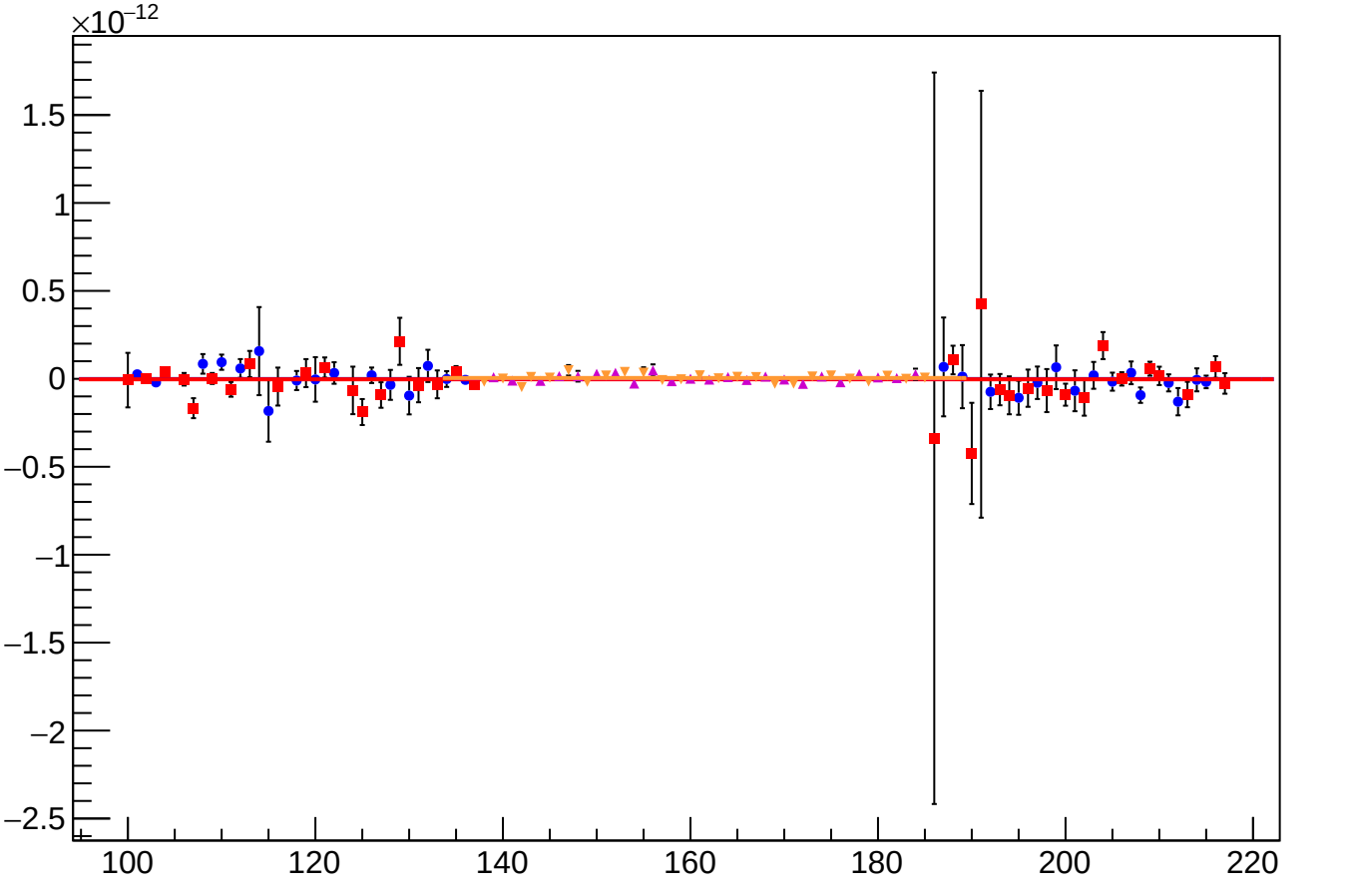
Right Out: 240.378+/-0.047 χ^2/NDF: 14259941.1/35

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 268.963+/-0.033 χ^2/NDF: 11116147.1/55

All: 262.119+/-0.023 χ^2/NDF: 26269132.2/11

- sign 255.618+/-0.032 χ^2/NDF: 15070101.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

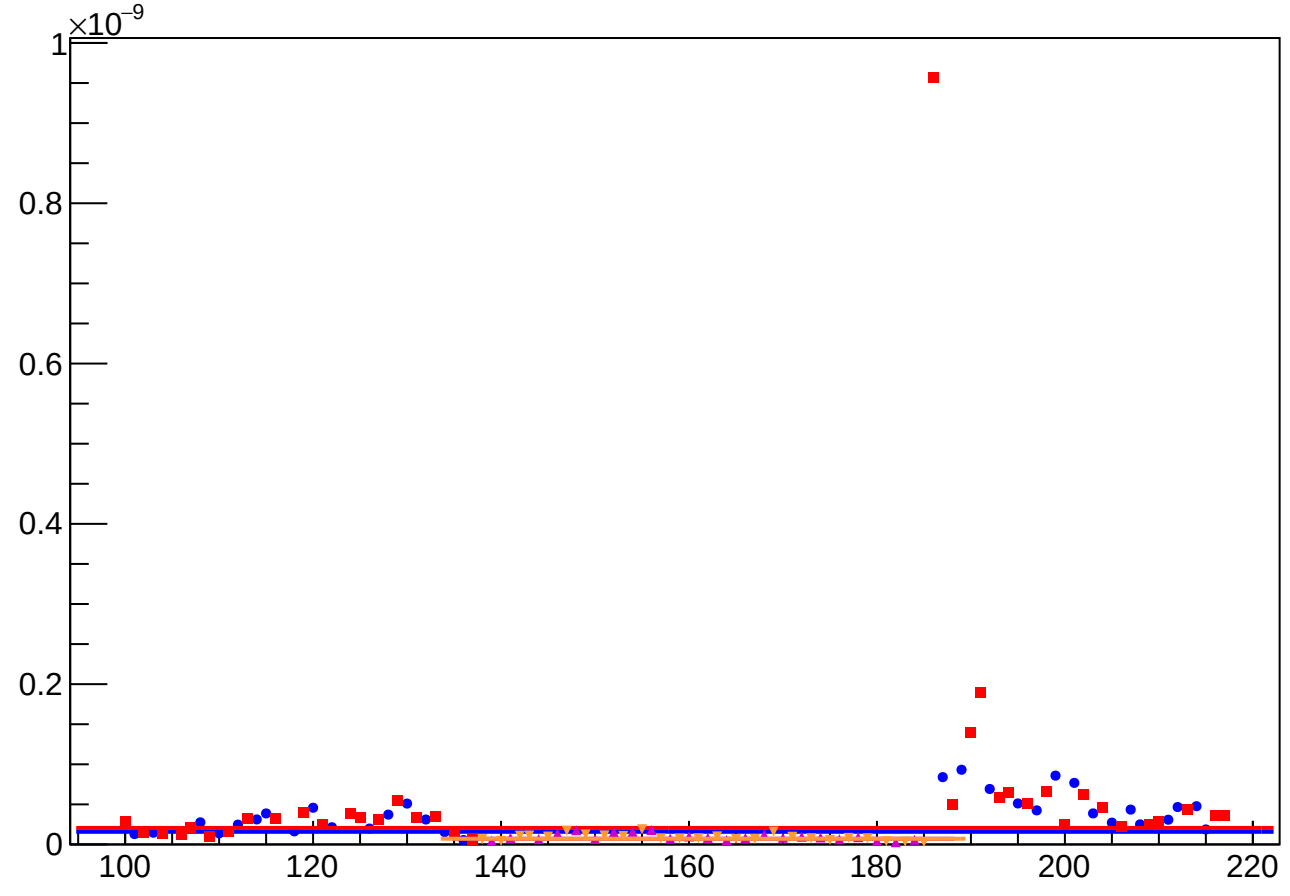
Right Out: -0.000+/-0.000 χ^2/NDF: 50.8/35

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/55

All: 0.000+/-0.000 χ^2/NDF: 126.4/114

- sign 0.000+/-0.000 χ^2/NDF: 72.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 6820503.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5210131.5/35

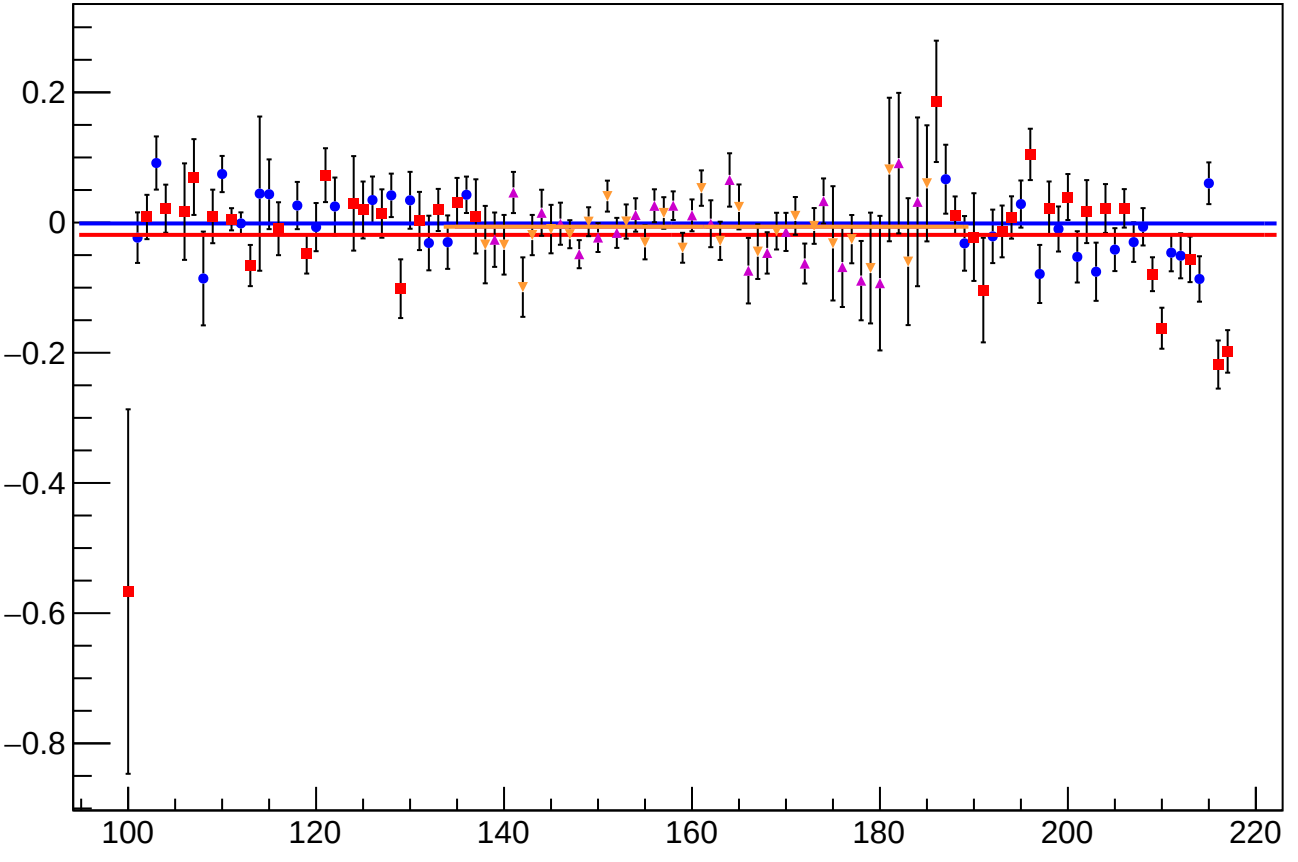
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11095221.0/55

All: 0.000+/-0.000 χ^2/NDF: 22609993.3/114

- sign 0.000+/-0.000 χ^2/NDF: 11505617.5/58

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

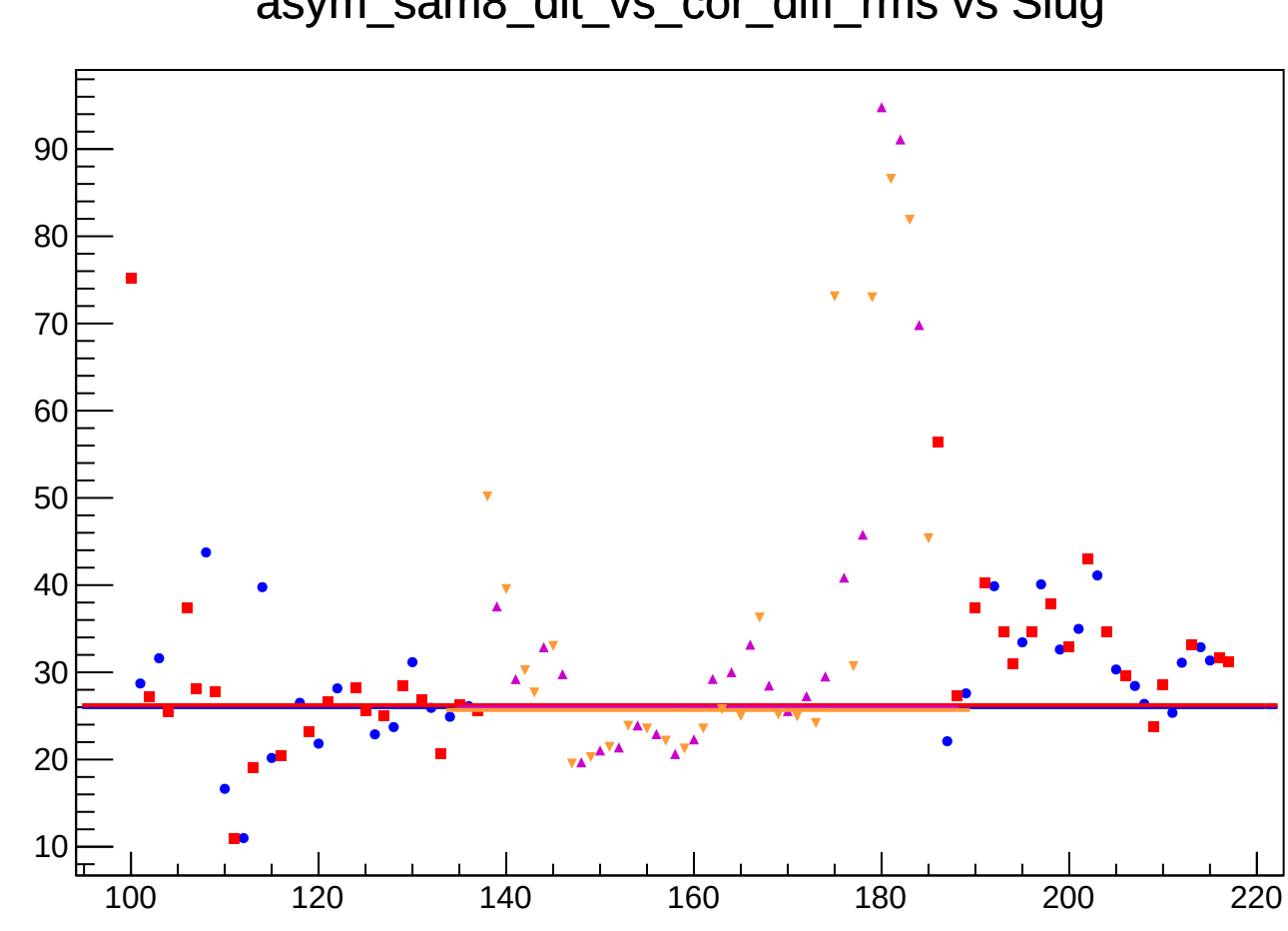
Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.004+/-0.004 χ^2/NDF: 73.0/55

All: -0.008+/-0.003 χ^2/NDF: 244.6/114

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58



Right In: 26.014+/-0.004 χ^2/NDF: 3248036.8/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

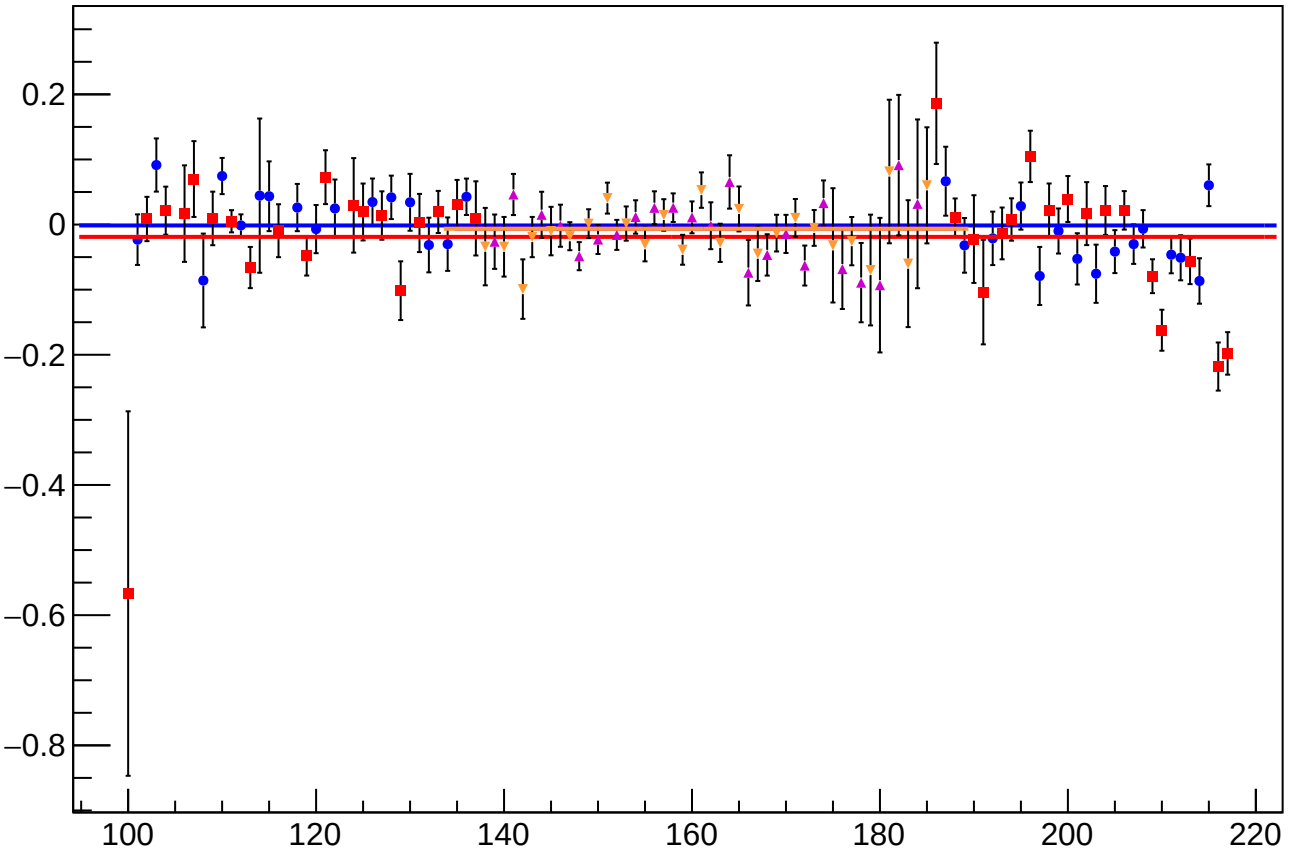
Right Out: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.852+/-0.003 χ^2/NDF: 7122264.0/55

All: 25.982+/-0.002 χ^2/NDF: 13553269.1/114

- sign 26.112+/-0.003 χ^2/NDF: 6427653.3/58



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

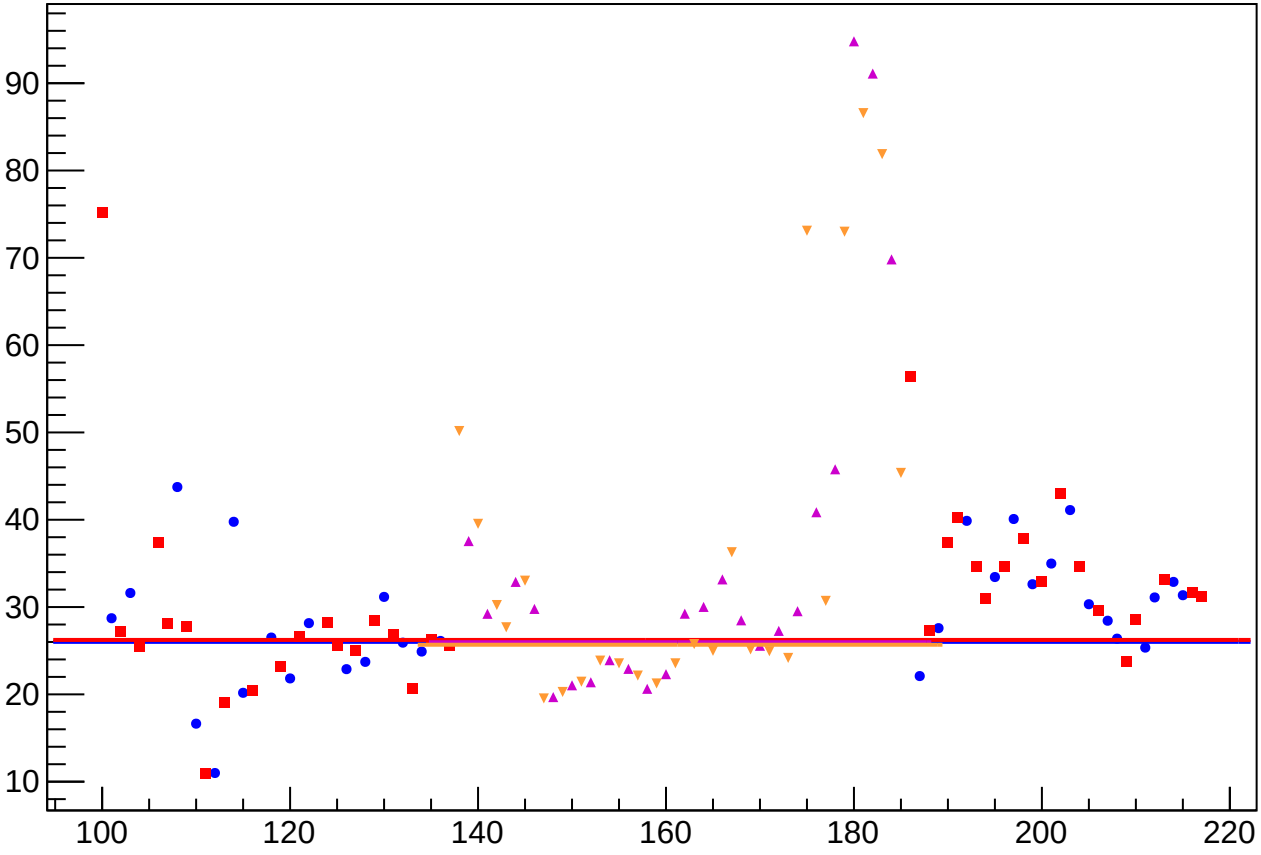
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.004+/-0.004 χ^2/NDF: 73.0/55

All: -0.008+/-0.003 χ^2/NDF: 244.6/114

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.014+/-0.004 χ^2/NDF: 3248036.8/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.234+/-0.004 χ^2/NDF: 3307636.8/35

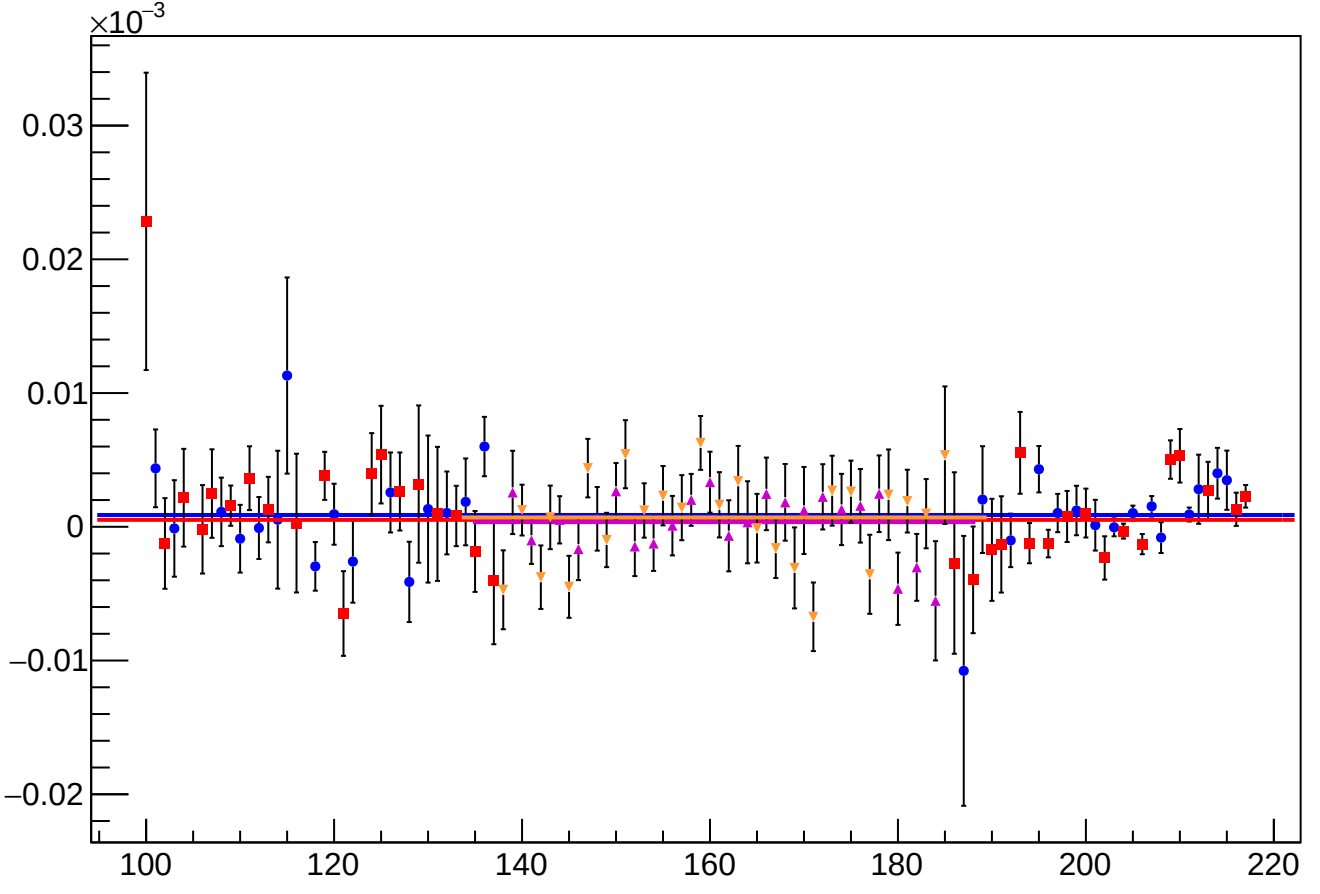
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.852+/-0.003 χ^2/NDF: 7122264.0/55

All: 25.982+/-0.002 χ^2/NDF: 13553269.1/114

- sign 26.112+/-0.003 χ^2/NDF: 6427653.3/58

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 62.4/35

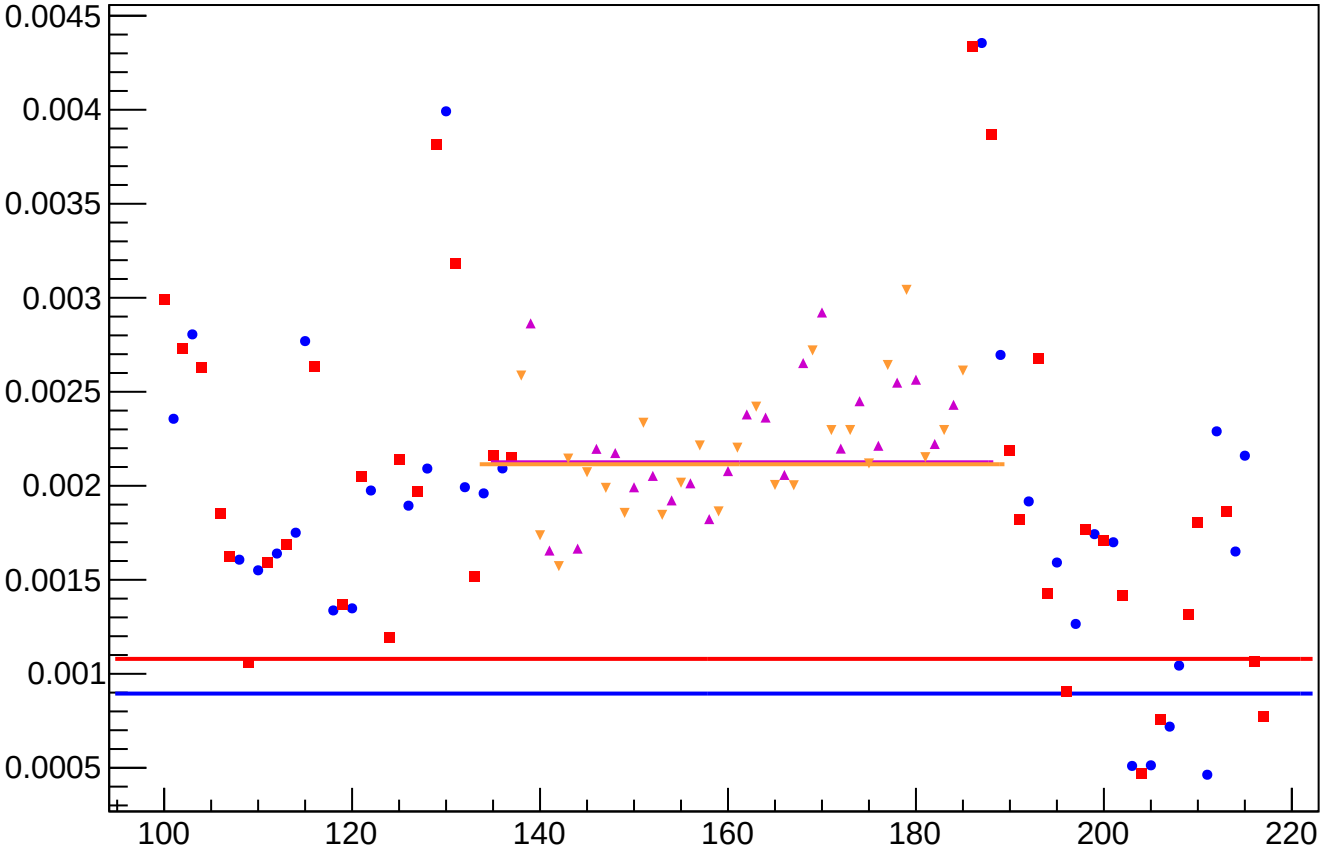
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.8/55

All: 0.000+/-0.000 χ^2/NDF: 158.8/114

- sign 0.000+/-0.000 χ^2/NDF: 78.8/58

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11461484.1/30

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

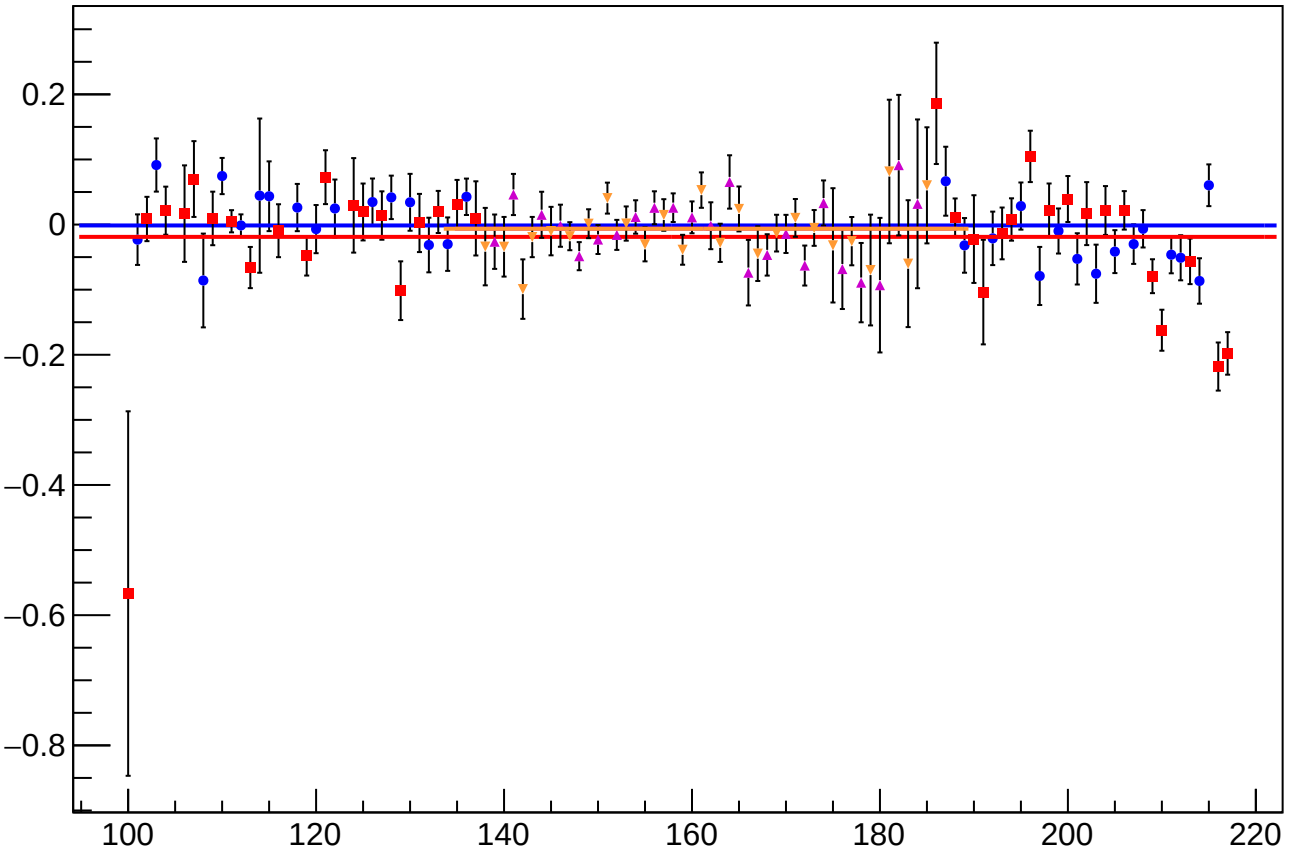
Right Out: 0.001+/-0.000 χ^2/NDF: 9820081.5/35

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 22137678.5/55

All: 0.001+/-0.000 χ^2/NDF: 39948609.9/114

- sign 0.001+/-0.000 χ^2/NDF: 17264948.3/58



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

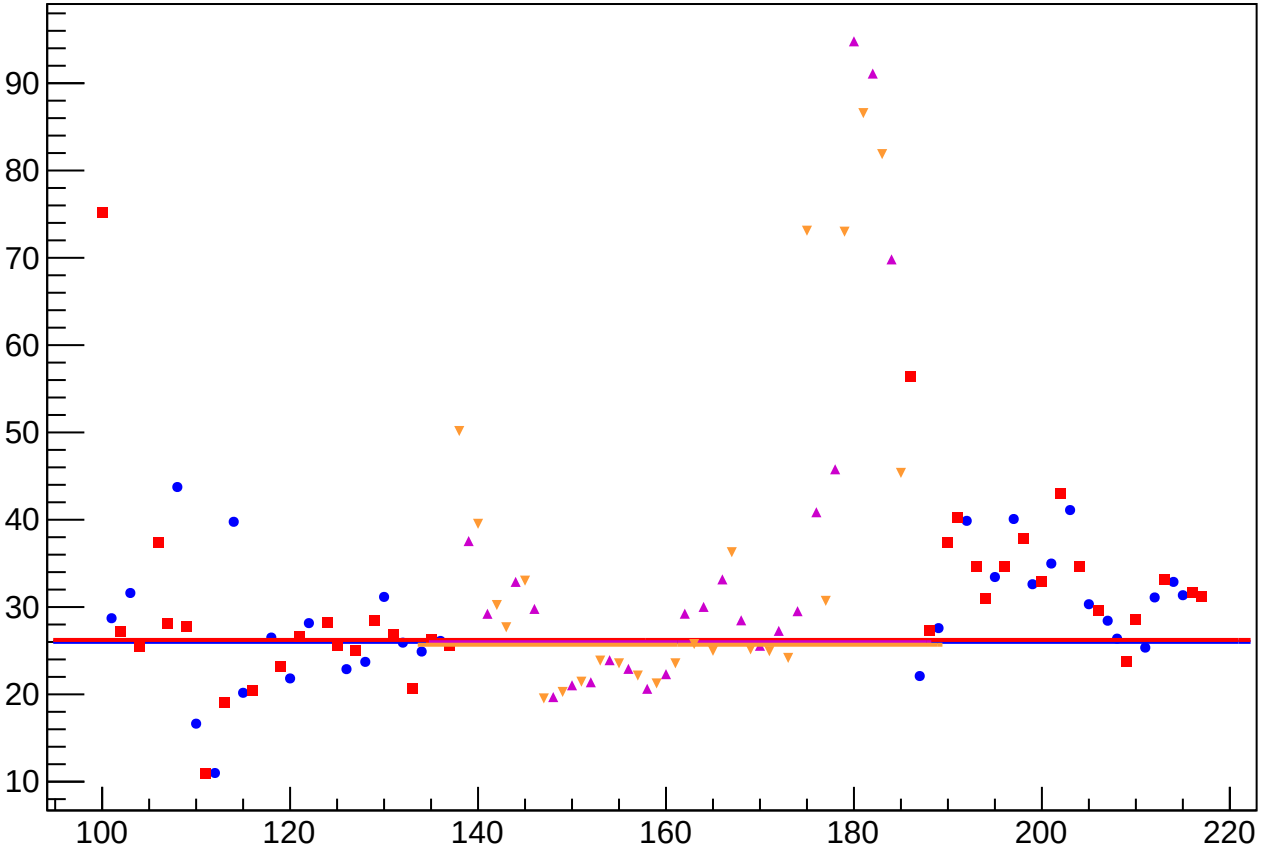
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.004+/-0.004 χ^2/NDF: 73.0/55

All: -0.008+/-0.003 χ^2/NDF: 244.6/114

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.014+/-0.004 χ^2/NDF: 3248318.0/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

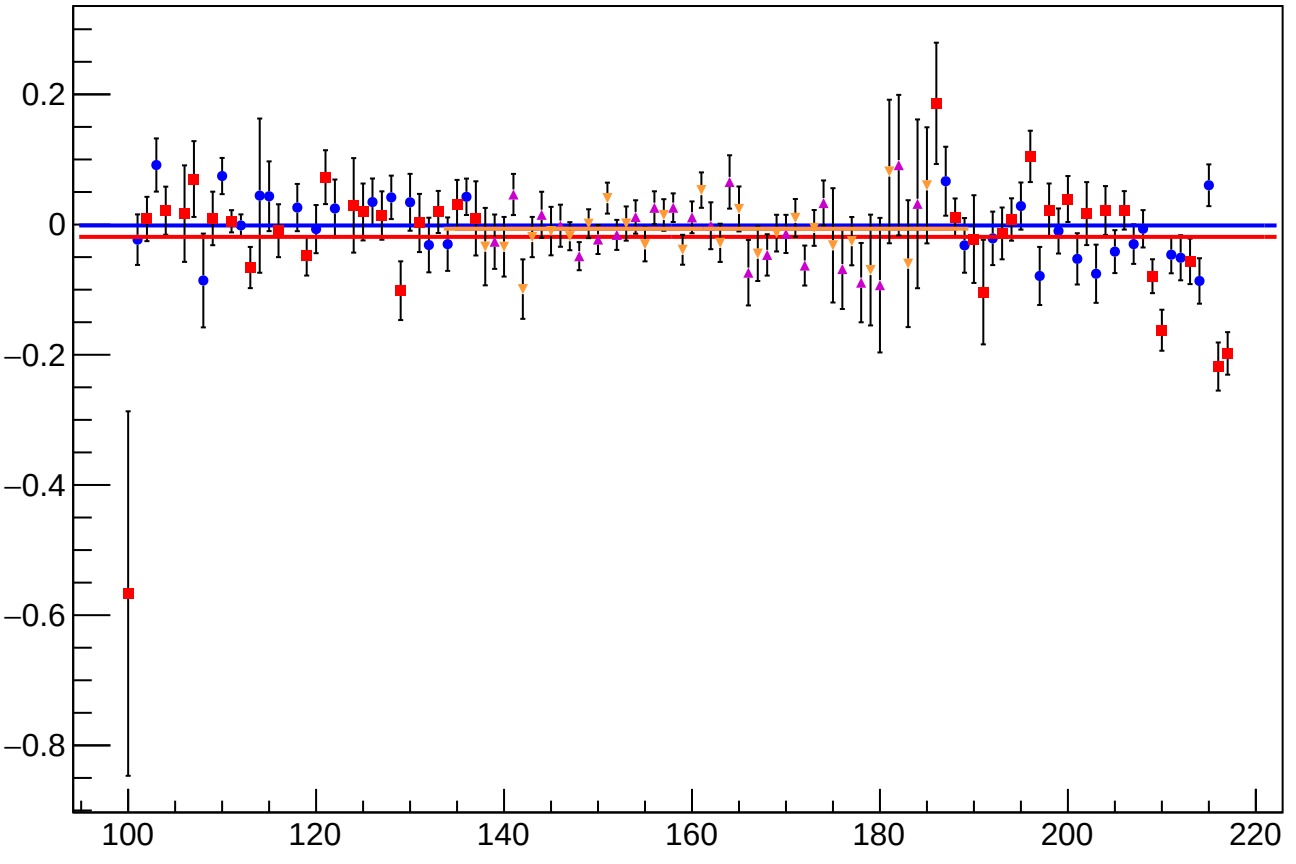
Right Out: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.852+/-0.003 χ^2/NDF: 7122539.6/55

All: 25.981+/-0.002 χ^2/NDF: 13553811.6/114

- sign 26.112+/-0.003 χ^2/NDF: 6427921.3/58



Right In: -0.001+/-0.006 χ^2/NDF: 50.2/30

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

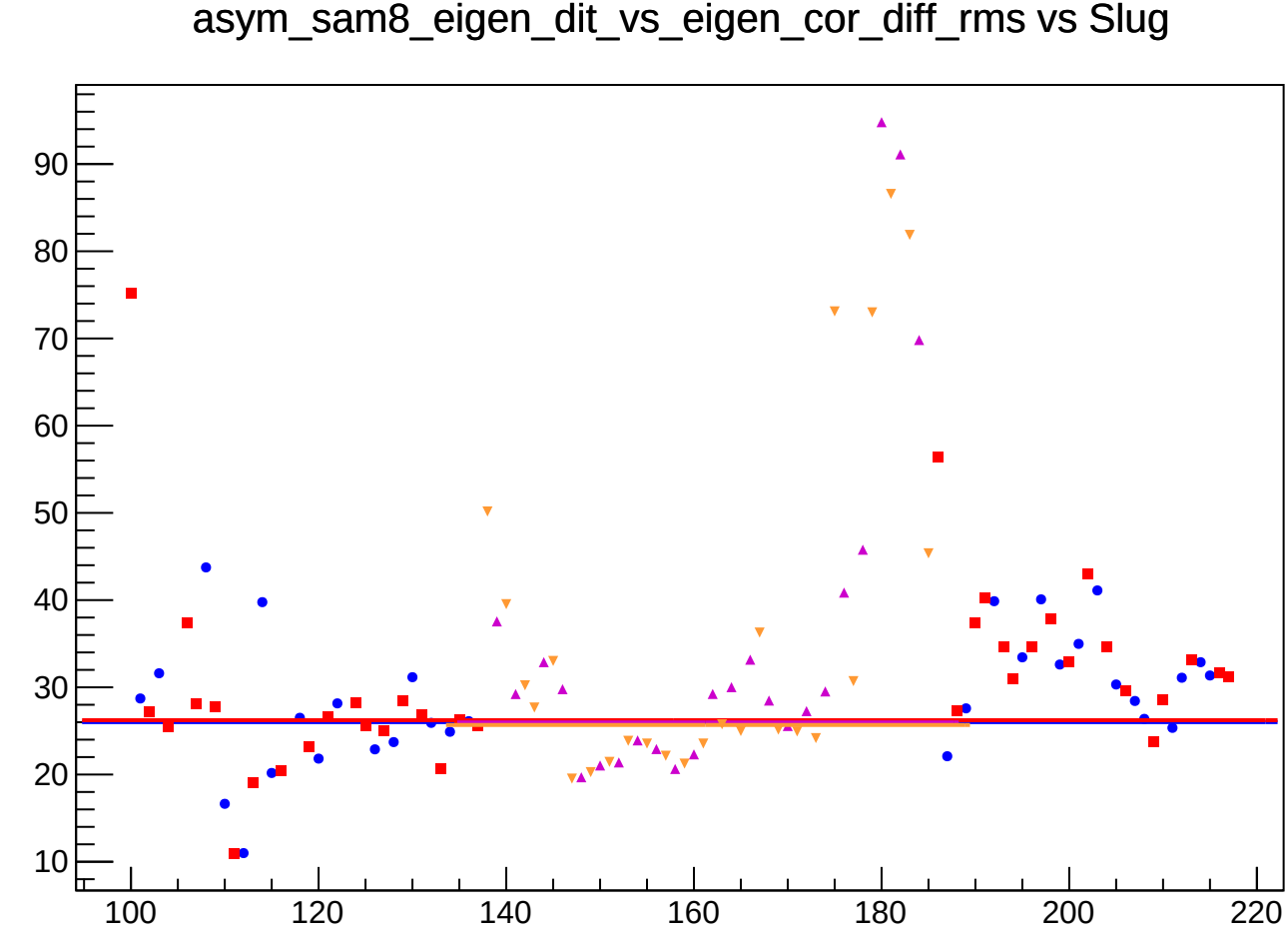
Right Out: -0.019+/-0.006 χ^2/NDF: 139.1/35

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.004+/-0.004 χ^2/NDF: 73.0/55

All: -0.008+/-0.003 χ^2/NDF: 244.6/114

- sign -0.013+/-0.005 χ^2/NDF: 169.4/58



Right In: 26.014+/-0.004 χ^2/NDF: 3248318.0/30

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

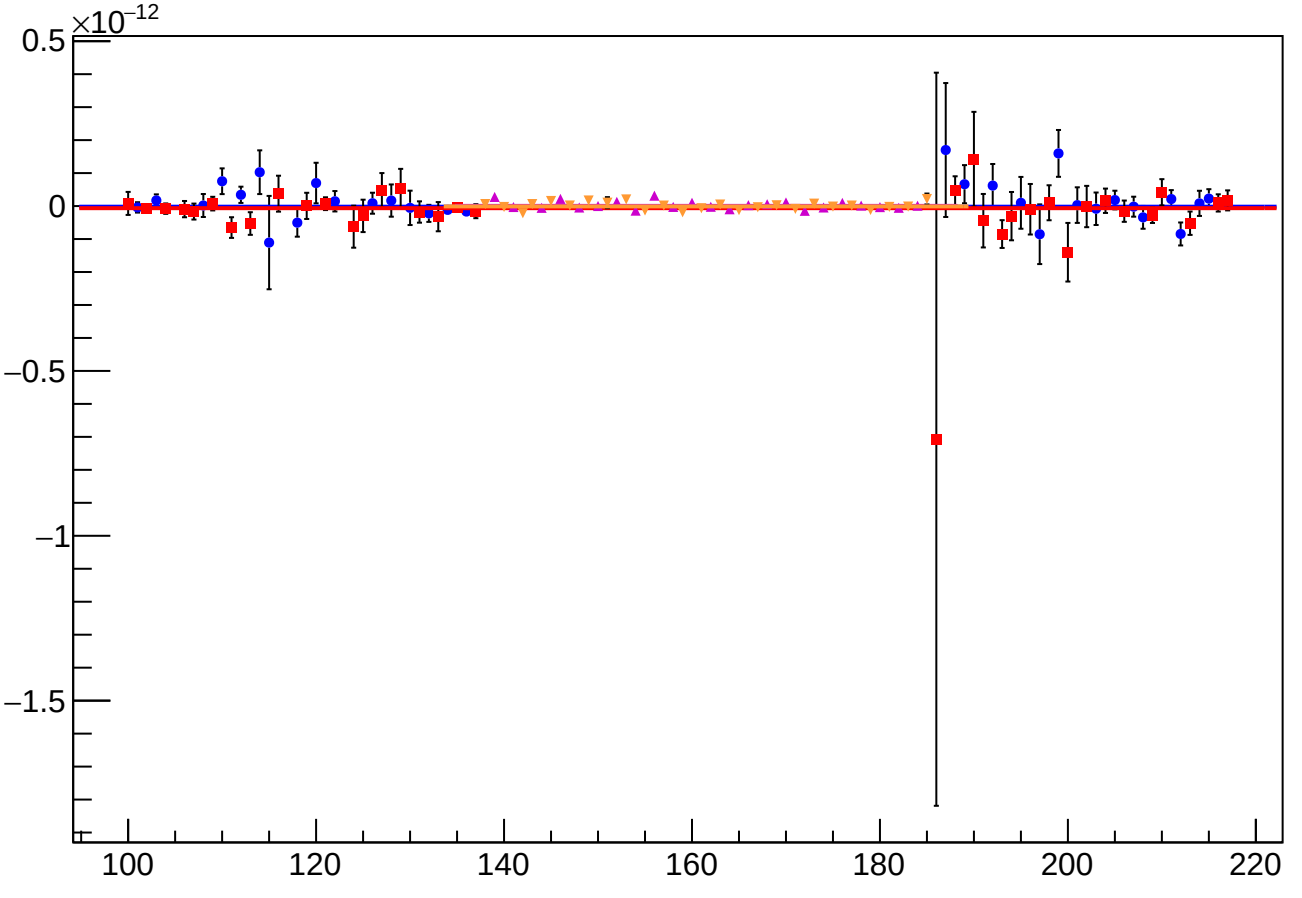
Right Out: 26.233+/-0.004 χ^2/NDF: 3307933.9/35

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

\+ sign 25.852+/-0.003 χ^2/NDF: 7122539.6/55

All: 25.981+/-0.002 χ^2/NDF: 13553811.6/114

\- sign 26.112+/-0.003 χ^2/NDF: 6427921.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

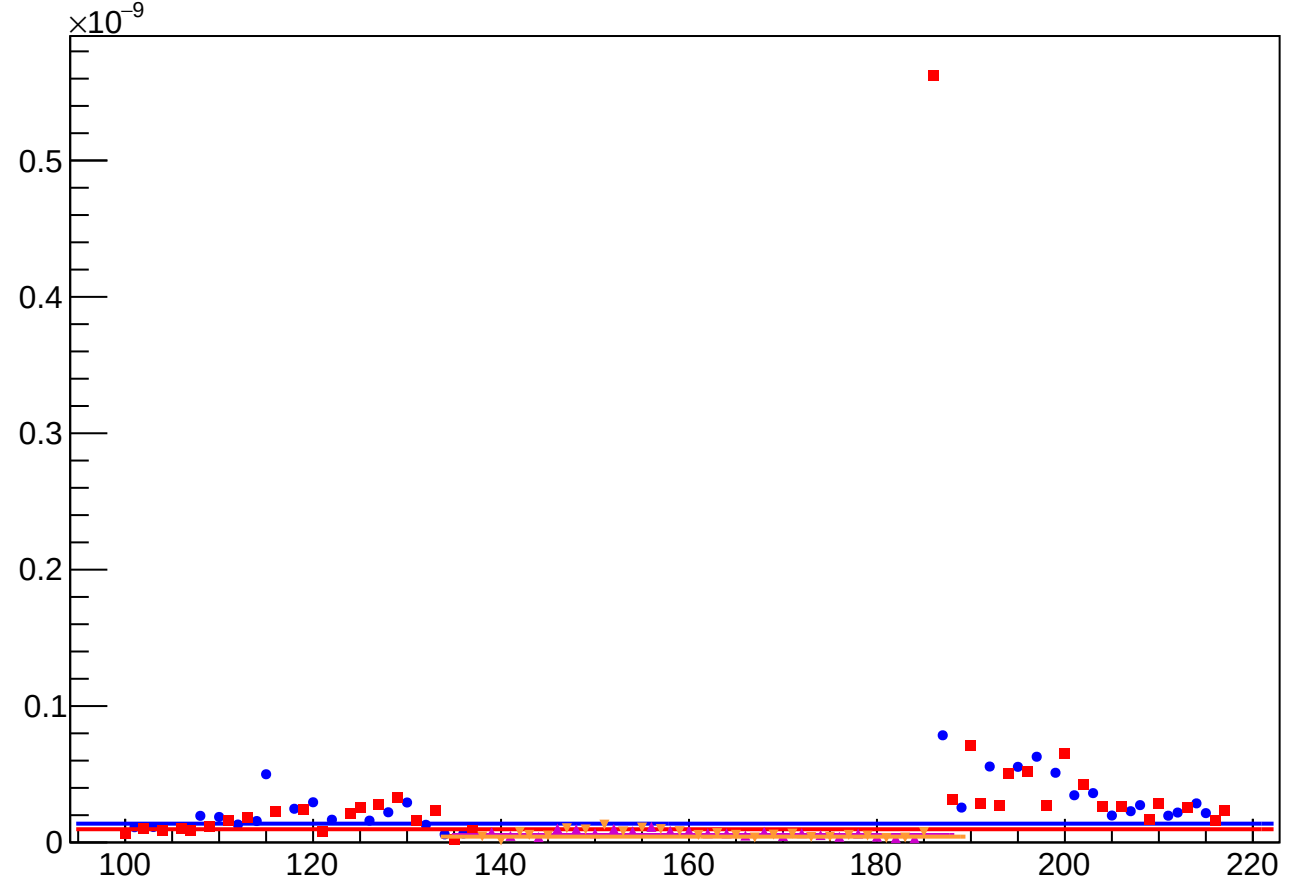
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/35

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/55

All: -0.000+/-0.000 χ^2/NDF: 121.8/114

- sign -0.000+/-0.000 χ^2/NDF: 57.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 7491678.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11980535.2/35

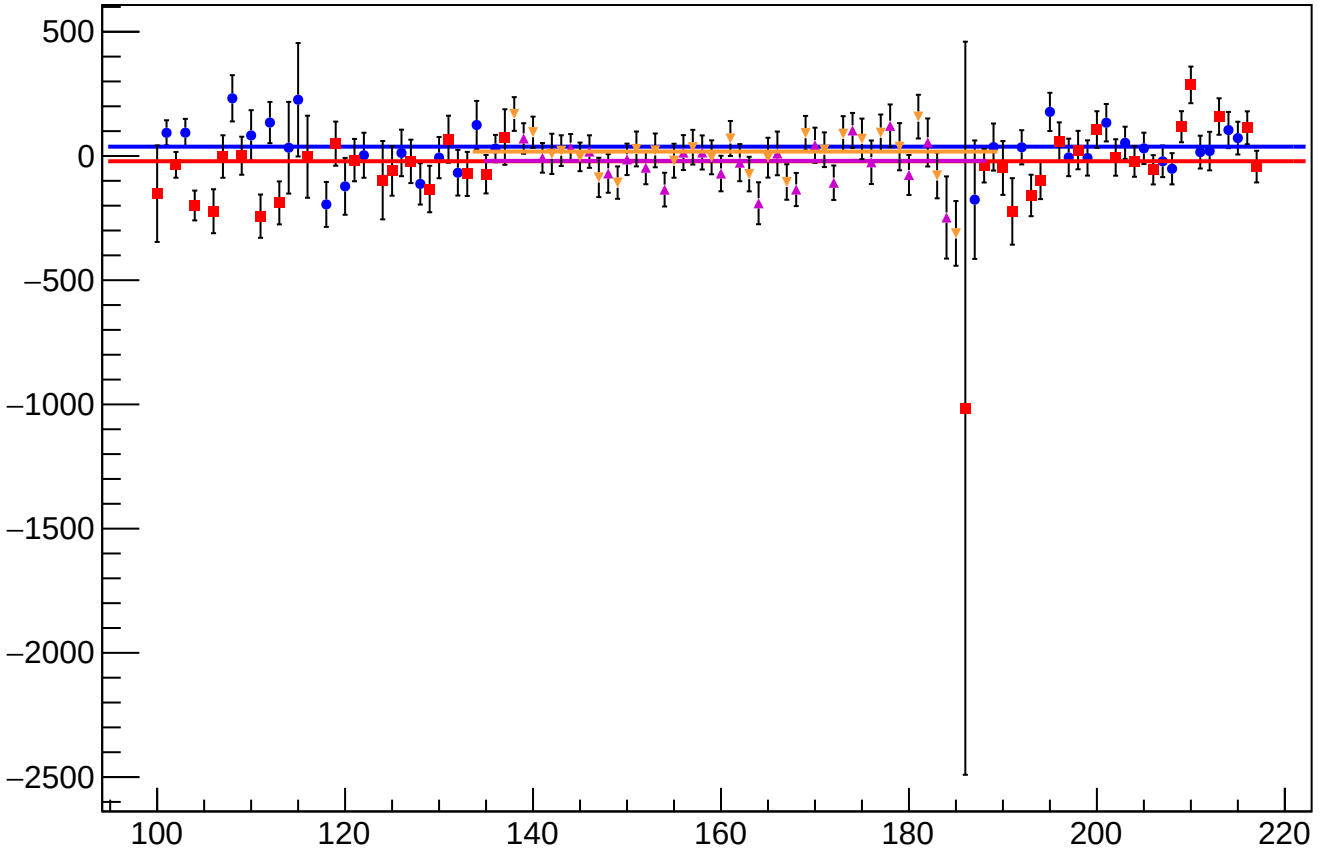
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19958625.6/55

All: 0.000+/-0.000 χ^2/NDF: 37268890.4/114

- sign 0.000+/-0.000 χ^2/NDF: 16715149.5/58

reg_asym_sam_15_avg_mean vs Slug



Right In: 37.509+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.152+/-13.387 χ^2/NDF: 73.6/35

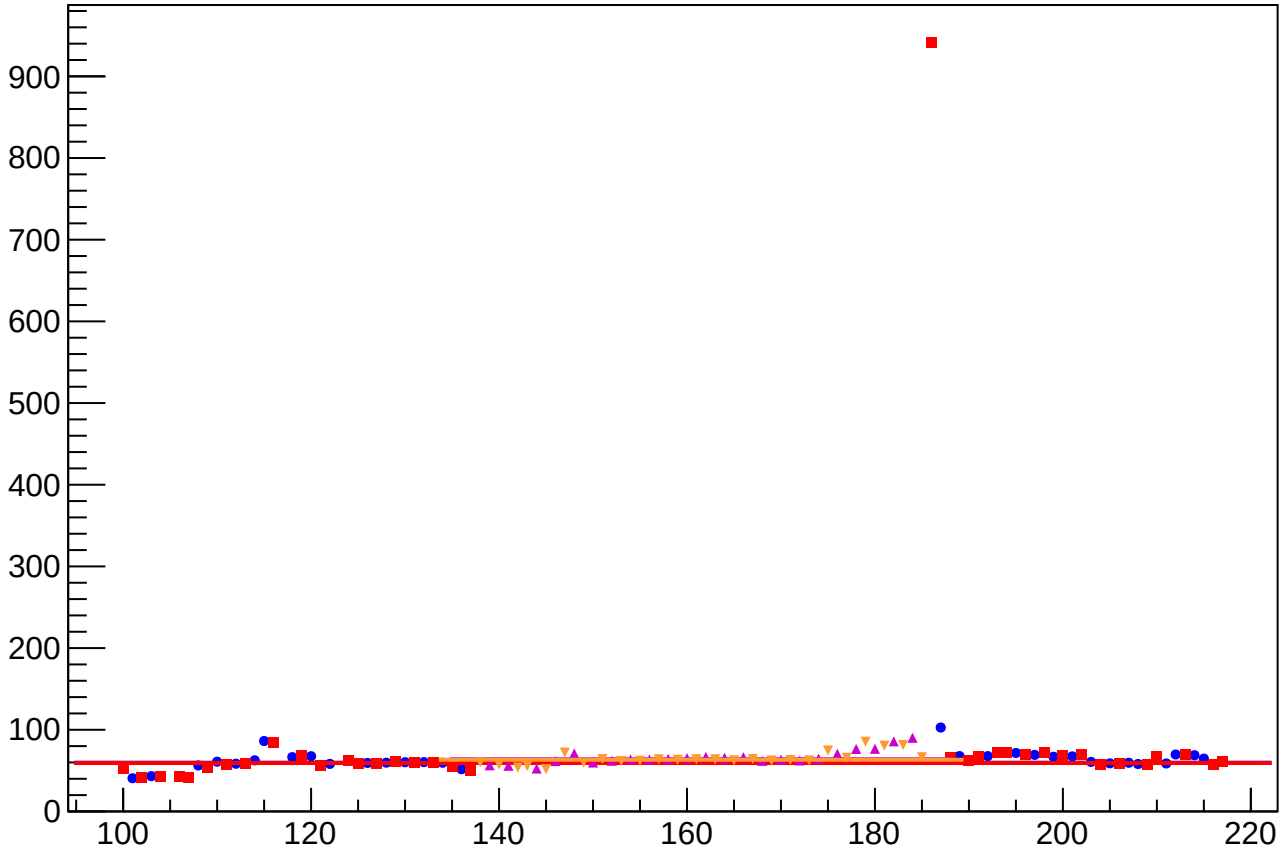
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.148+/-9.989 χ^2/NDF: 66.5/55

All: 3.857+/-7.067 χ^2/NDF: 178.3/114

- sign -20.484+/-10.000 χ^2/NDF: 99.9/58

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.677+/-0.010 χ^2/NDF: 862447.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.307+/-0.009 χ^2/NDF: 1719331.3/35

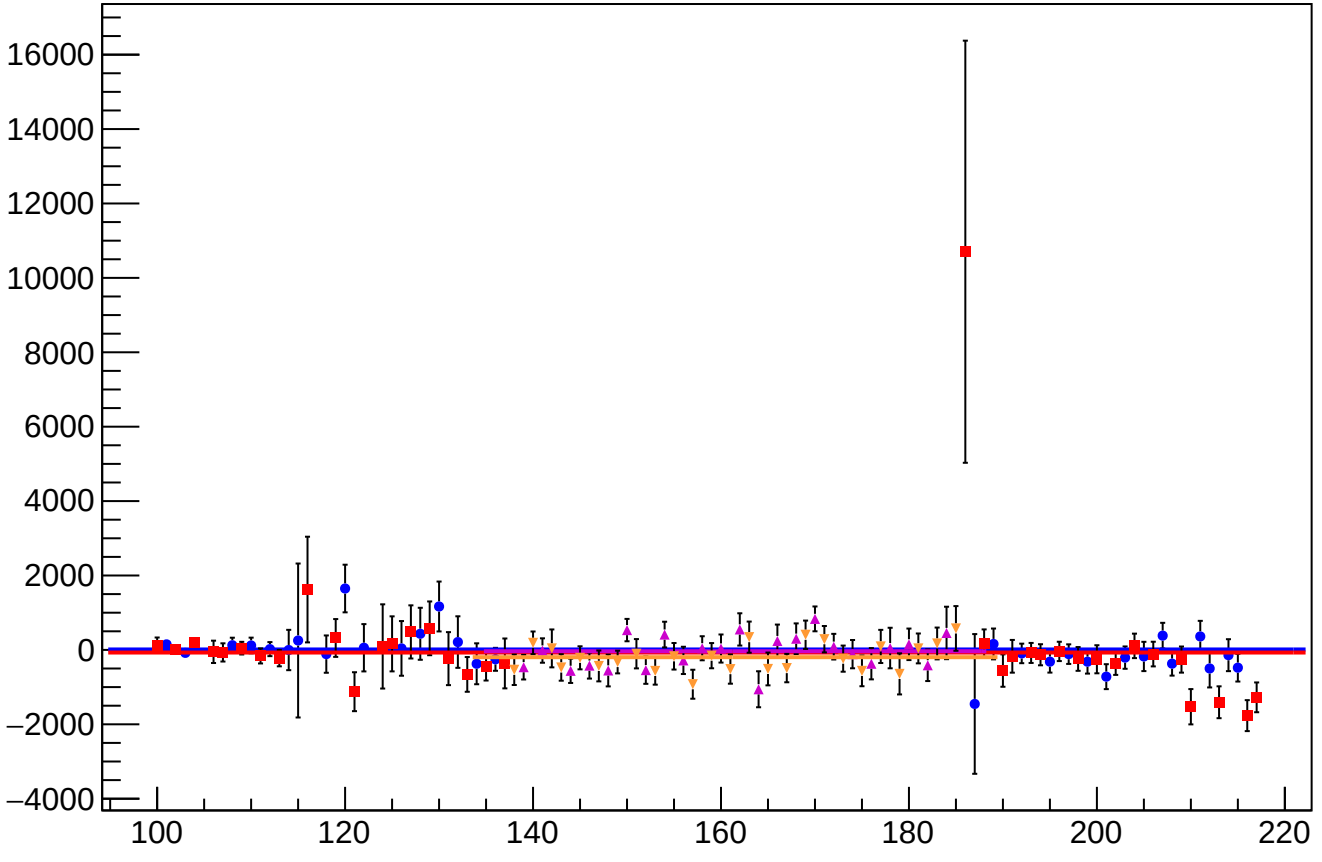
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.404+/-0.007 χ^2/NDF: 1425922.8/55

All: 61.375+/-0.005 χ^2/NDF: 3695486.5/114

- sign 61.345+/-0.007 χ^2/NDF: 2269529.6/58

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 11.843+/-41.307 χ^2/NDF: 32.1/30

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -70.664+/-43.414 χ^2/NDF: 74.2/35

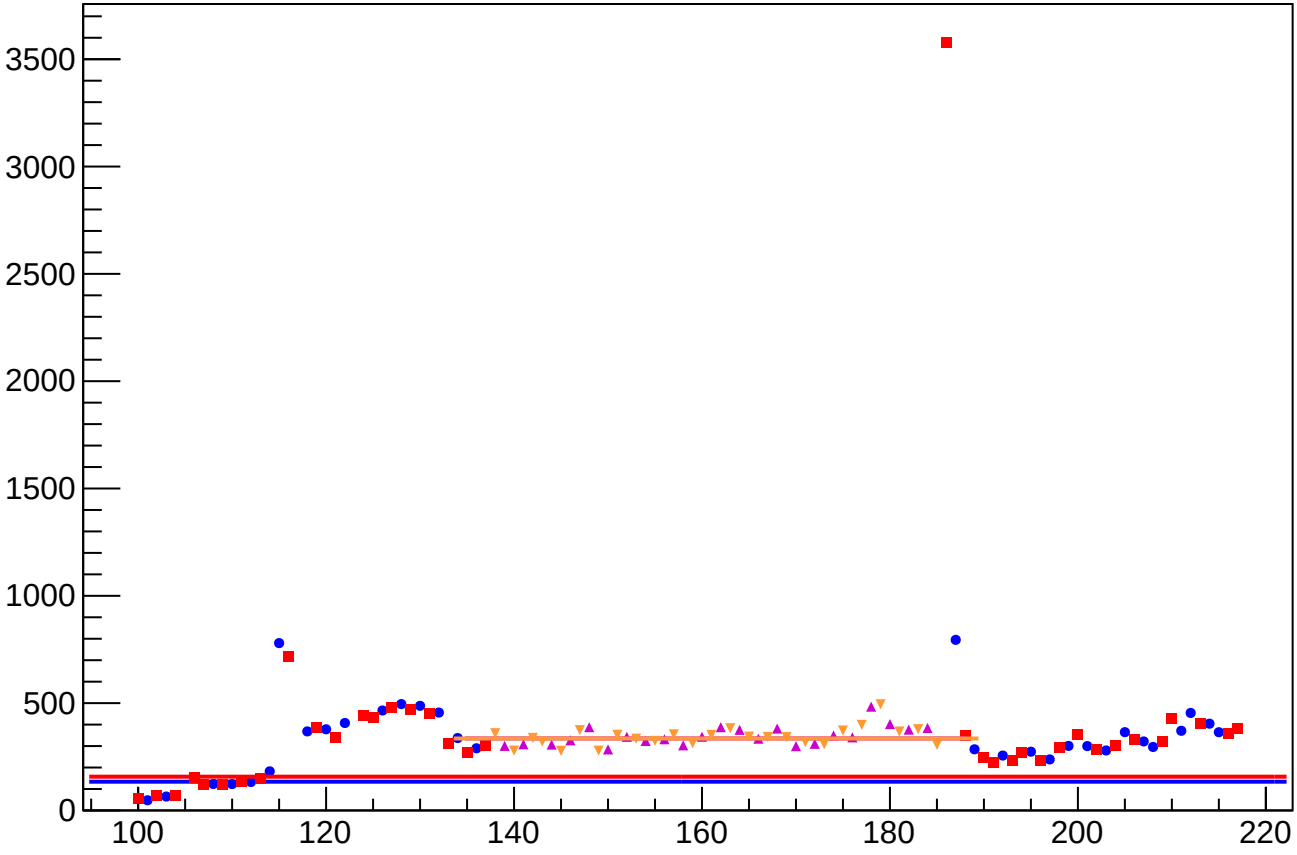
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -34.509+/-36.409 χ^2/NDF: 58.4/55

All: -48.001+/-26.313 χ^2/NDF: 164.1/114

- sign -62.753+/-38.070 χ^2/NDF: 105.4/58

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 134.050+/-0.029 χ^2/NDF: 16535737.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 157.421+/-0.031 χ^2/NDF: 14346942.3/35

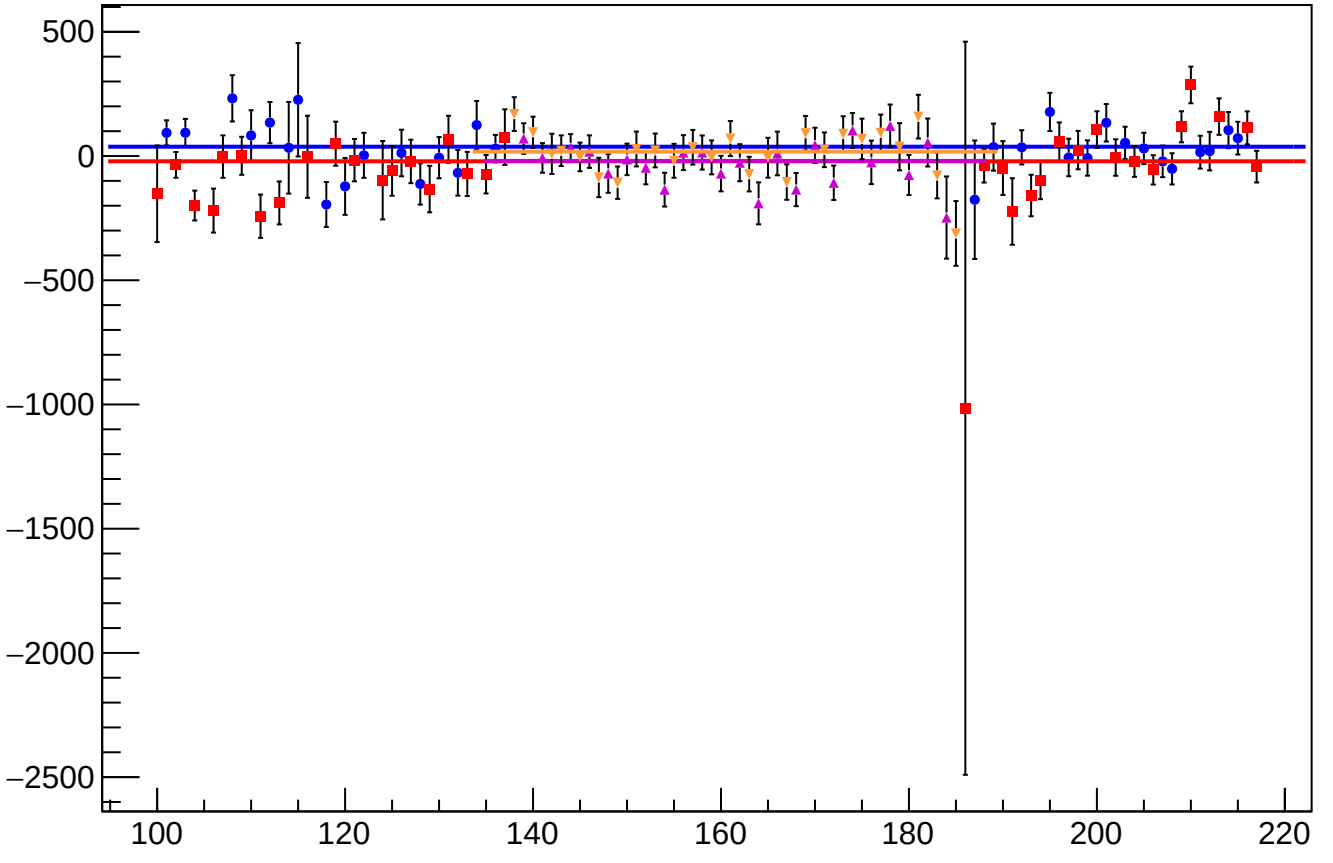
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 178.937+/-0.026 χ^2/NDF: 27686747.2/55

All: 188.313+/-0.019 χ^2/NDF: 50582377.2/11

- sign 198.563+/-0.027 χ^2/NDF: 22618005.7/58

cor_asym_sam_15_avg_mean vs Slug



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.088+/-13.387 χ^2/NDF: 73.5/35

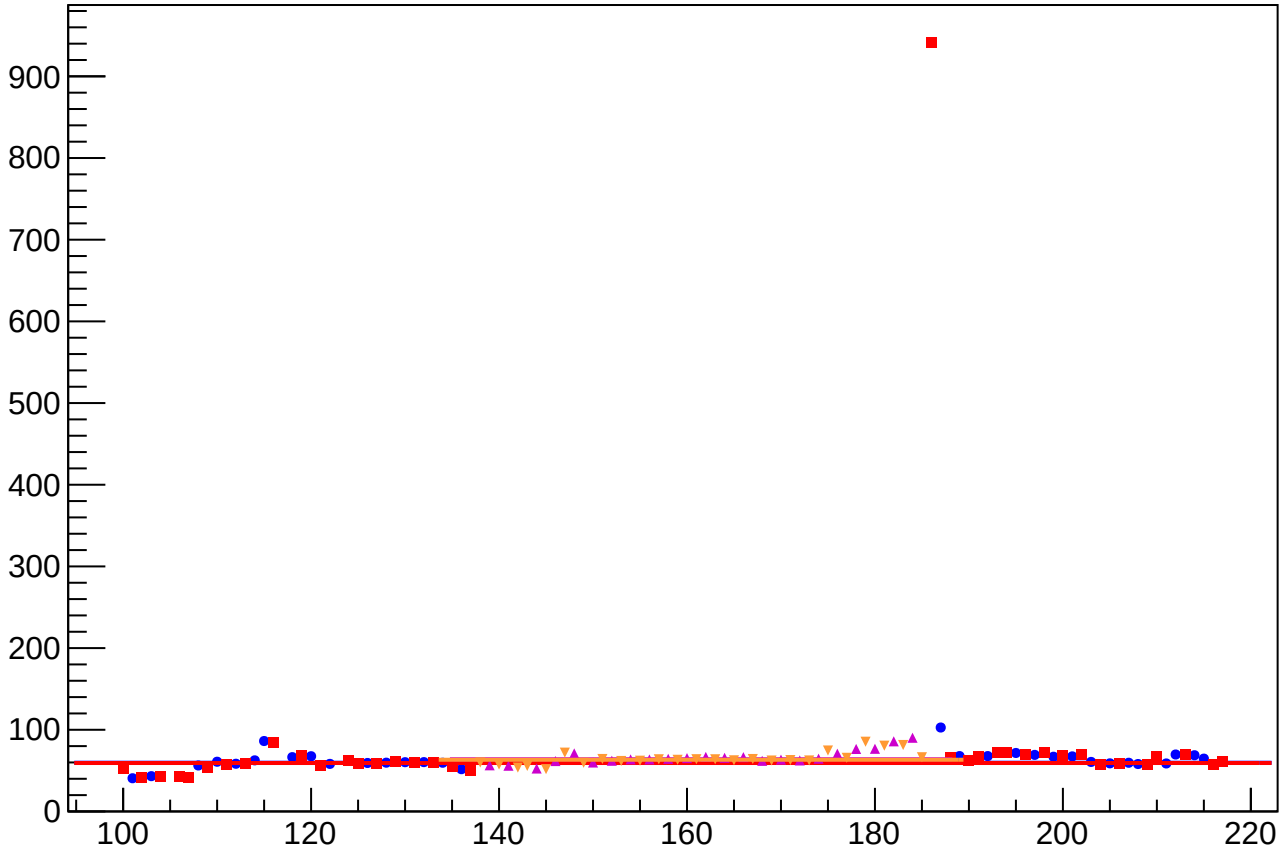
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.153+/-9.989 χ^2/NDF: 66.5/55

All: 3.877+/-7.067 χ^2/NDF: 178.1/114

- sign -20.448+/-10.000 χ^2/NDF: 99.7/58

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.677+/-0.010 χ^2/NDF: 862446.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

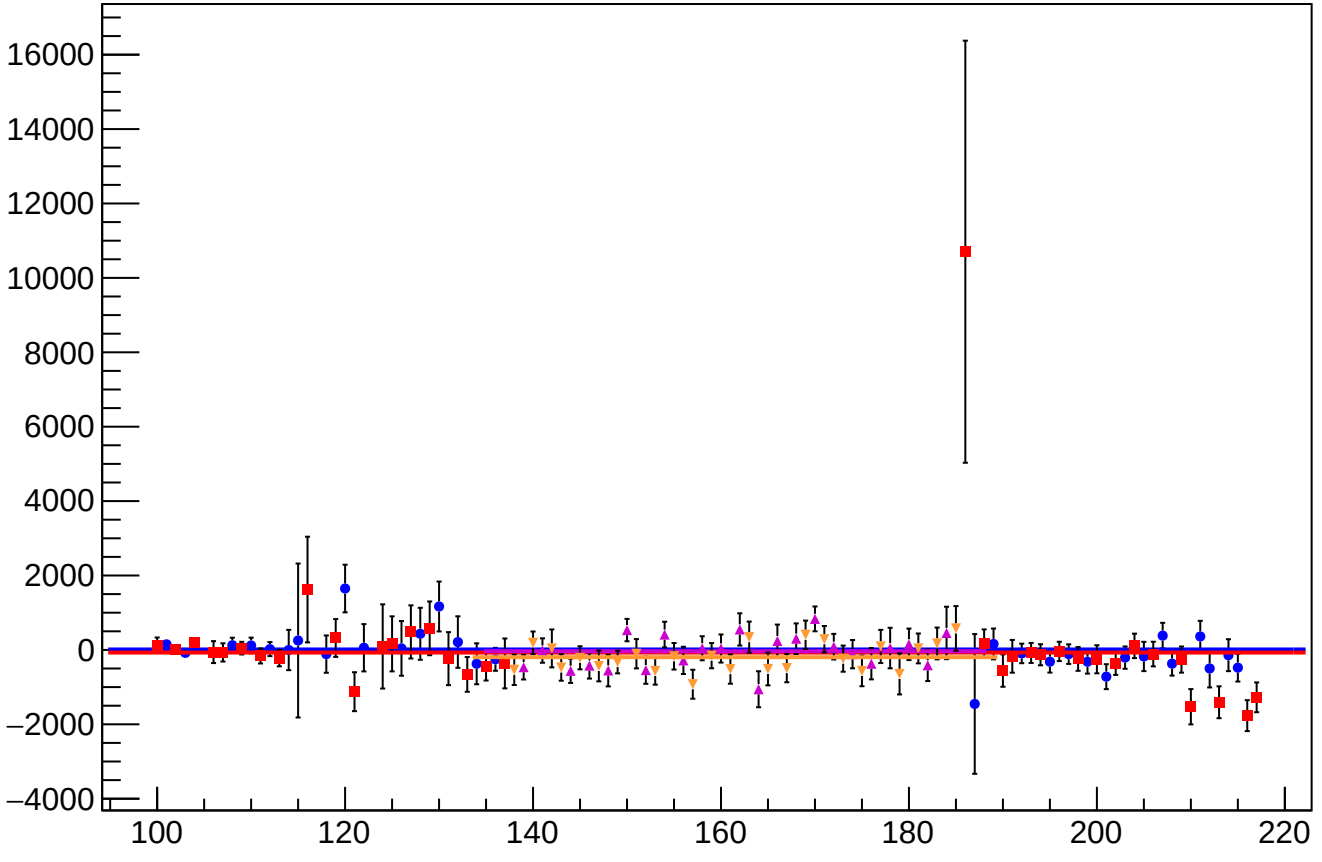
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.404+/-0.007 χ^2/NDF: 1425921.7/55

All: 61.374+/-0.005 χ^2/NDF: 3695935.5/114

- sign 61.345+/-0.007 χ^2/NDF: 2269979.4/58

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 11.848+/-41.306 χ^2/NDF: 32.1/30

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -70.870+/-43.386 χ^2/NDF: 74.2/35

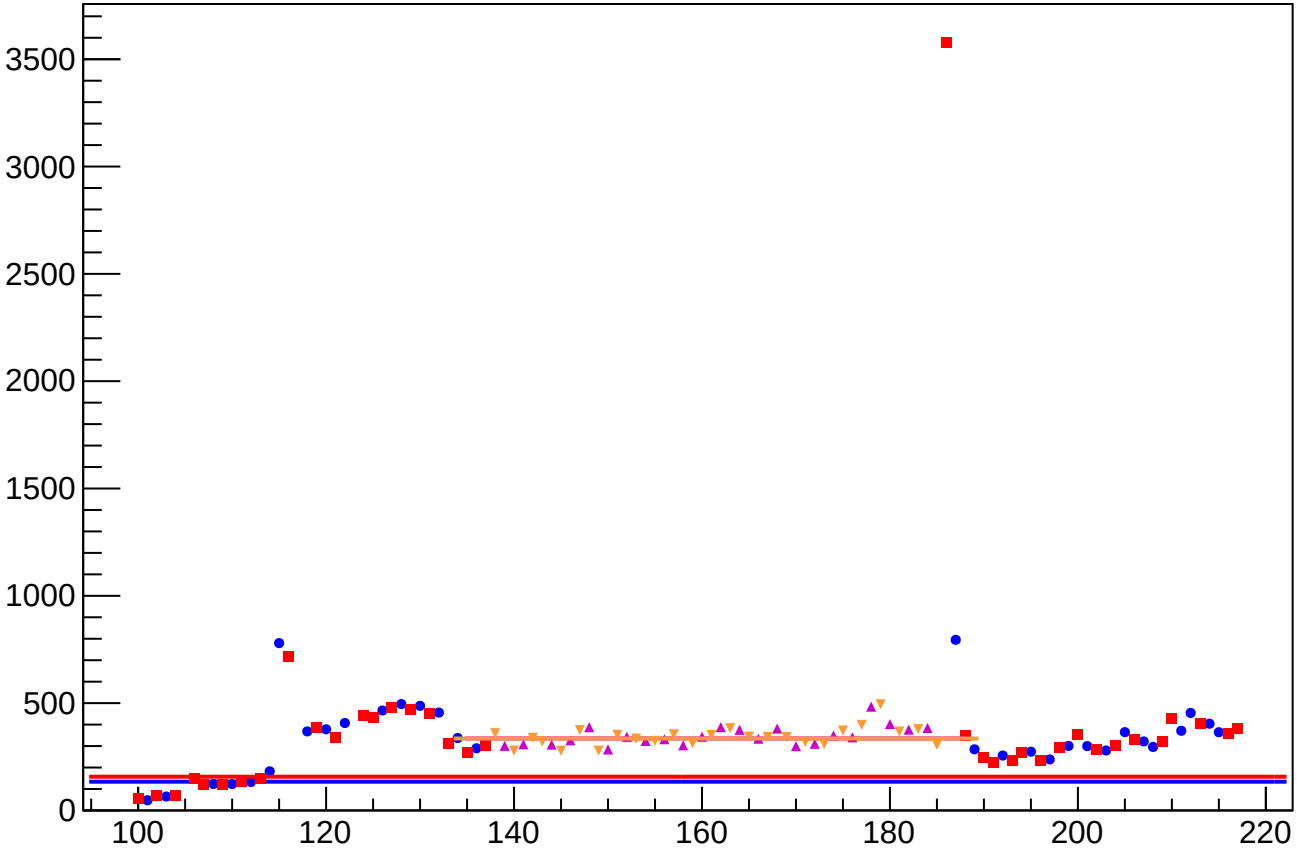
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

\+ sign -34.503+/-36.409 χ^2/NDF: 58.4/55

All: -48.084+/-26.307 χ^2/NDF: 164.1/114

\- sign -62.919+/-38.052 χ^2/NDF: 105.4/58

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 134.047+/-0.029 χ^2/NDF: 16536118.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

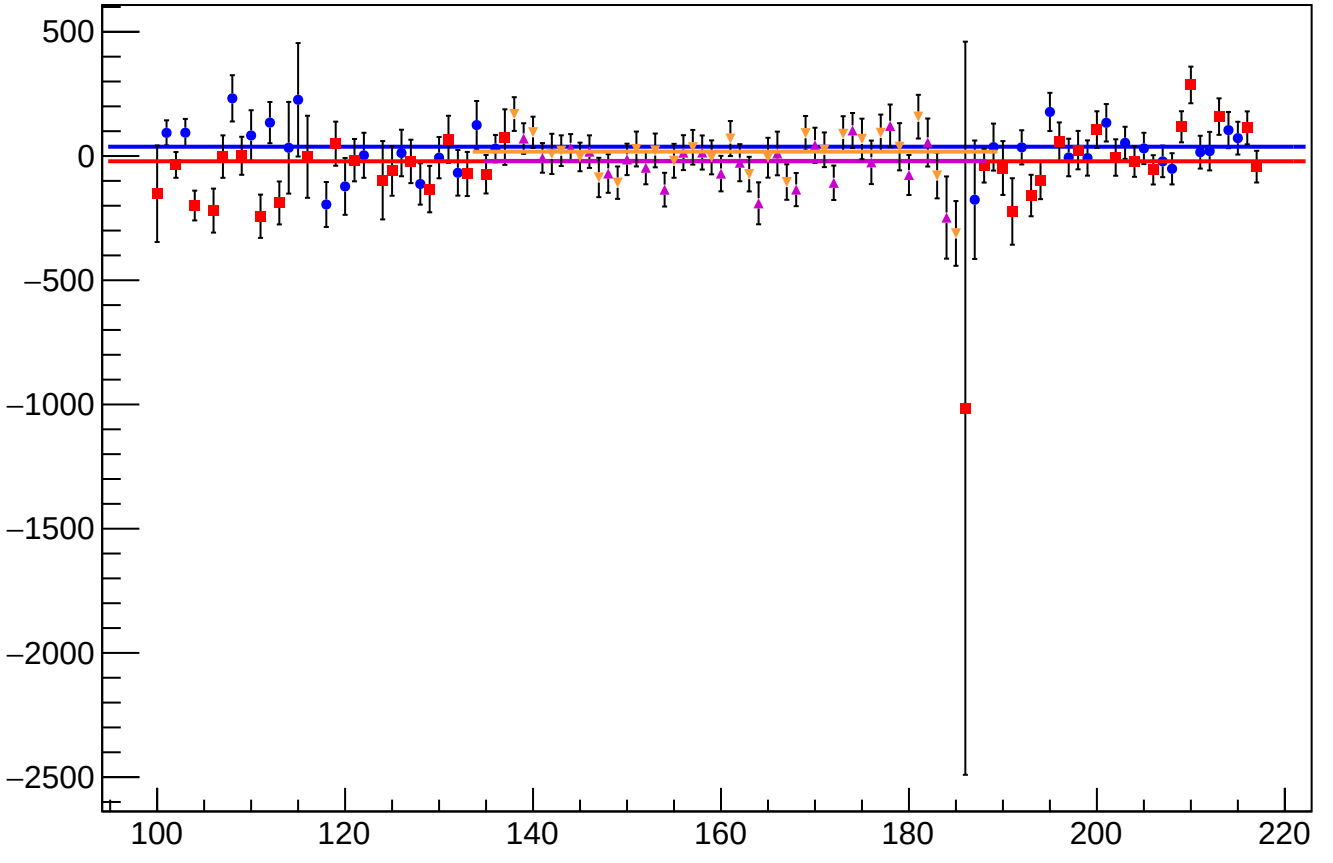
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 178.933+/-0.026 χ^2/NDF: 27687591.3/55

All: 188.224+/-0.019 χ^2/NDF: 50606564.2/11

- sign 198.373+/-0.027 χ^2/NDF: 22646454.3/58

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 37.514+/-13.786 χ^2/NDF: 34.0/30

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -21.088+/-13.387 χ^2/NDF: 73.5/35

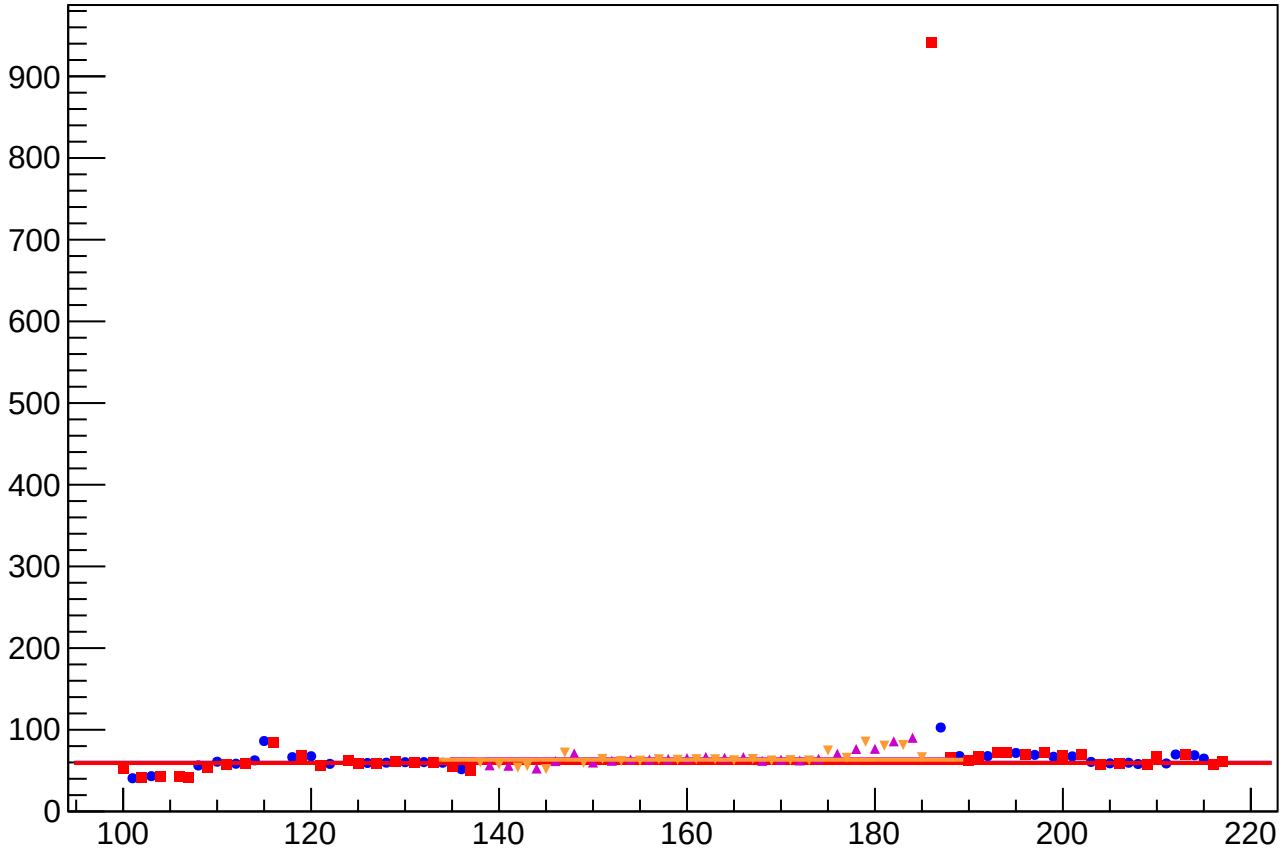
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 28.153+/-9.989 χ^2/NDF: 66.5/55

All: 3.877+/-7.067 χ^2/NDF: 178.1/114

- sign -20.448+/-10.000 χ^2/NDF: 99.7/58

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.677+/-0.010 χ^2/NDF: 862446.2/30

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

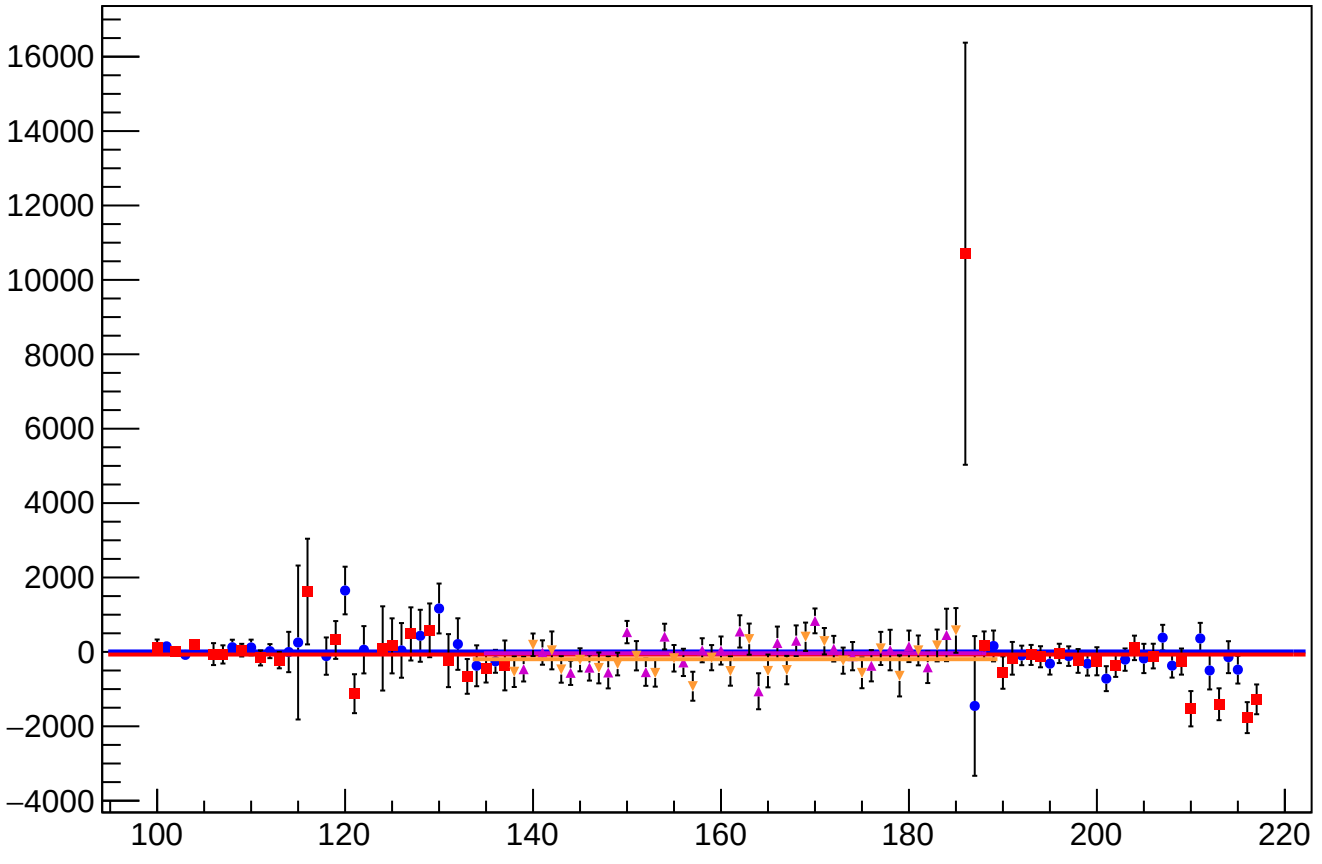
Right Out: 59.307+/-0.009 χ^2/NDF: 1719756.2/35

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.404+/-0.007 χ^2/NDF: 1425921.7/55

All: 61.374+/-0.005 χ^2/NDF: 3695935.5/114

- sign 61.345+/-0.007 χ^2/NDF: 2269979.4/58



Right In: 11.848+/-41.306 χ^2/NDF: 32.1/30

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

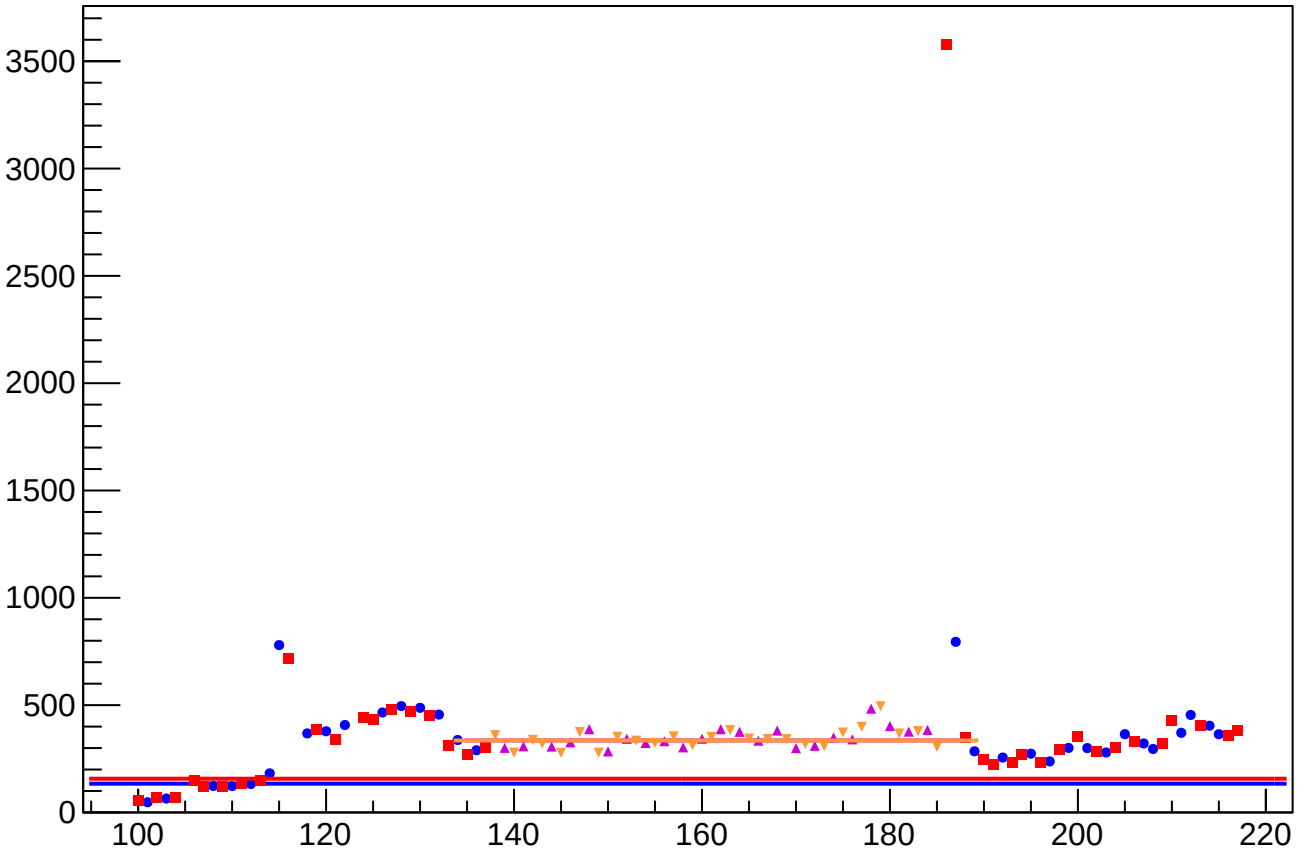
Right Out: -70.870+/-43.386 χ^2/NDF: 74.2/35

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -34.503+/-36.409 χ^2/NDF: 58.4/55

All: -48.084+/-26.307 χ^2/NDF: 164.1/114

- sign -62.919+/-38.052 χ^2/NDF: 105.4/58



Right In: 134.047+/-0.029 χ^2/NDF: 16536118.0/30

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 157.225+/-0.031 χ^2/NDF: 14356048.5/35

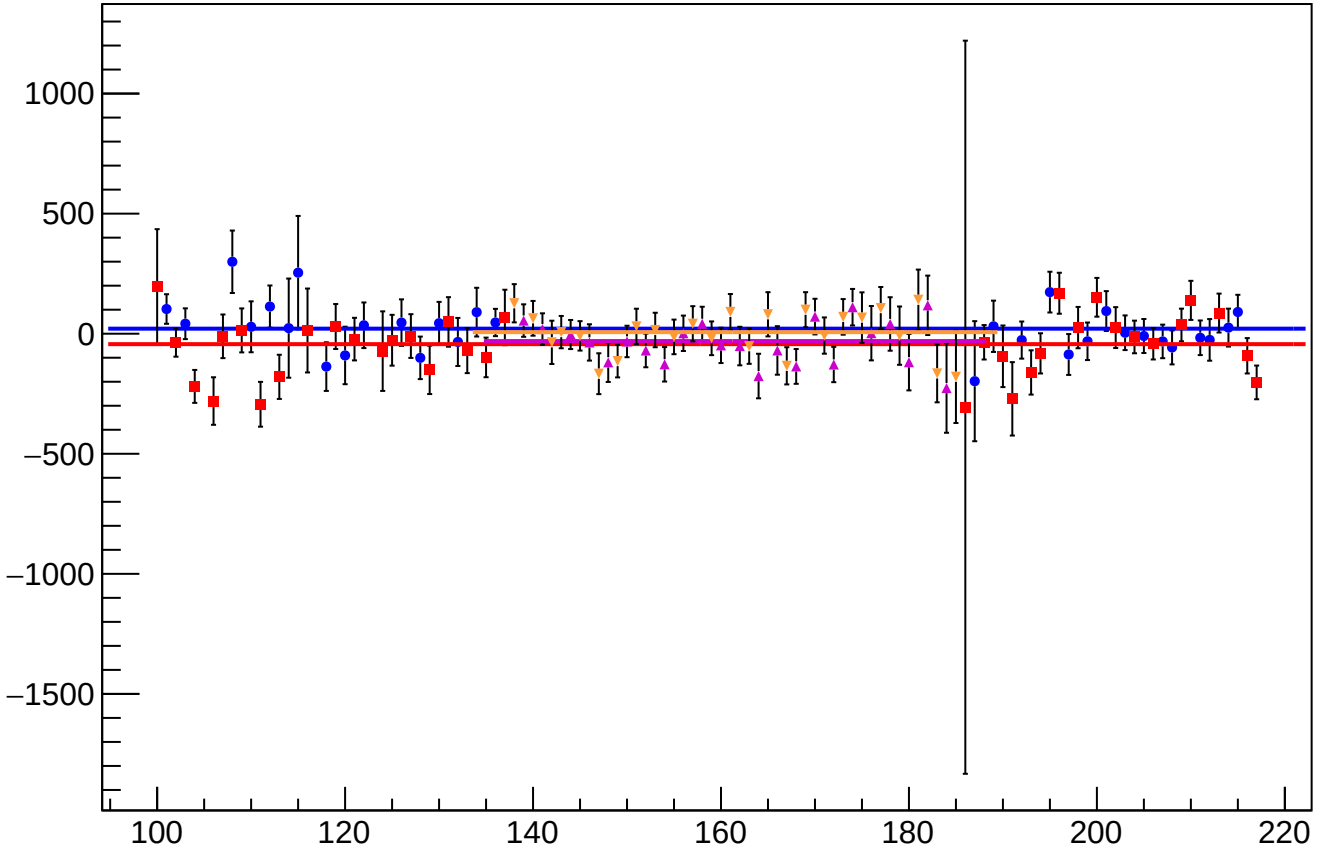
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 178.933+/-0.026 χ^2/NDF: 27687591.3/55

All: 188.224+/-0.019 χ^2/NDF: 50606564.2/11

- sign 198.373+/-0.027 χ^2/NDF: 22646454.3/58

dit_asym_sam_15_avg_mean vs Slug



Right In: 21.013+/-15.237 χ^2/NDF: 25.6/30

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.469+/-14.696 χ^2/NDF: 59.9/35

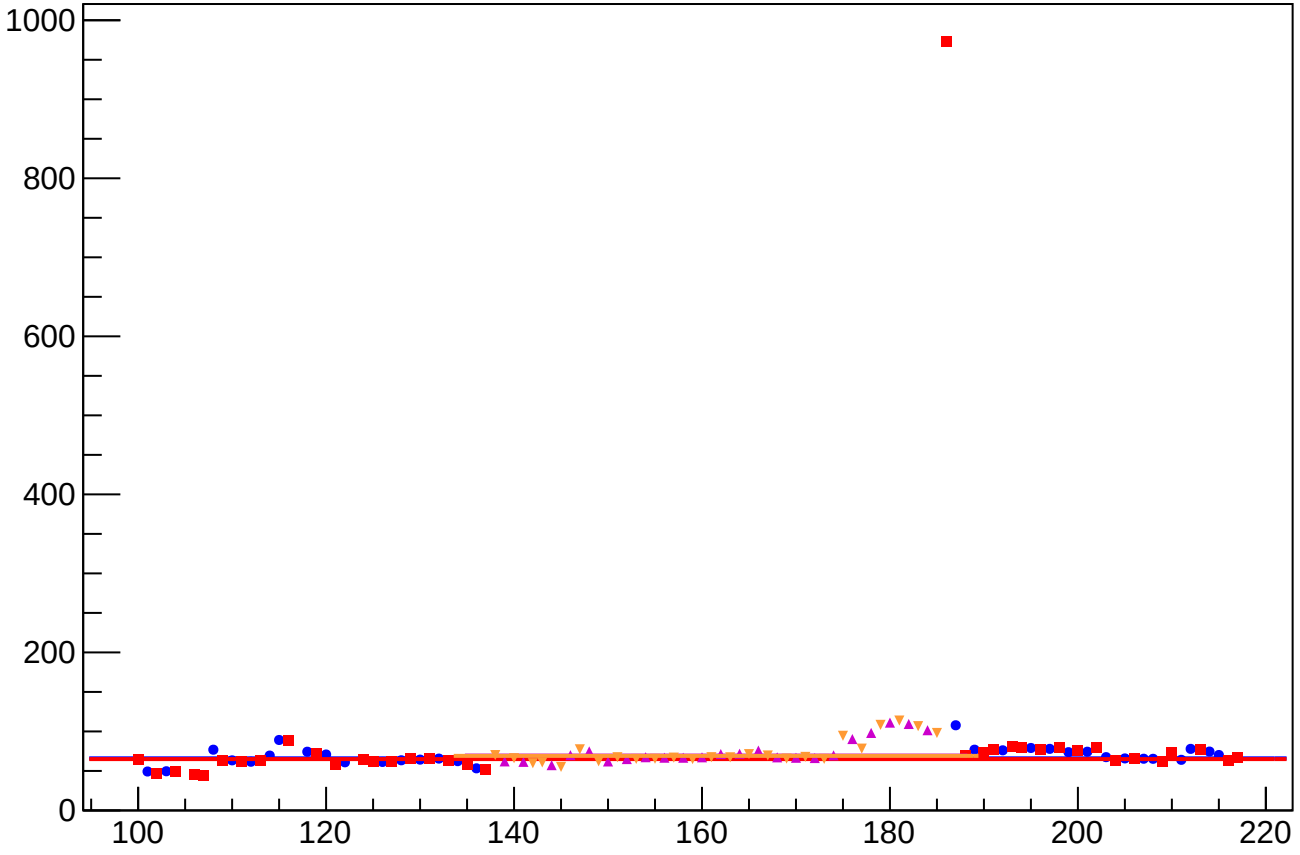
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 14.086+/-11.026 χ^2/NDF: 51.1/55

All: -11.981+/-7.779 χ^2/NDF: 144.9/114

- sign -37.805+/-10.975 χ^2/NDF: 82.7/58

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.969+/-0.011 χ^2/NDF: 757662.2/30

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.000+/-0.010 χ^2/NDF: 1712113.8/35

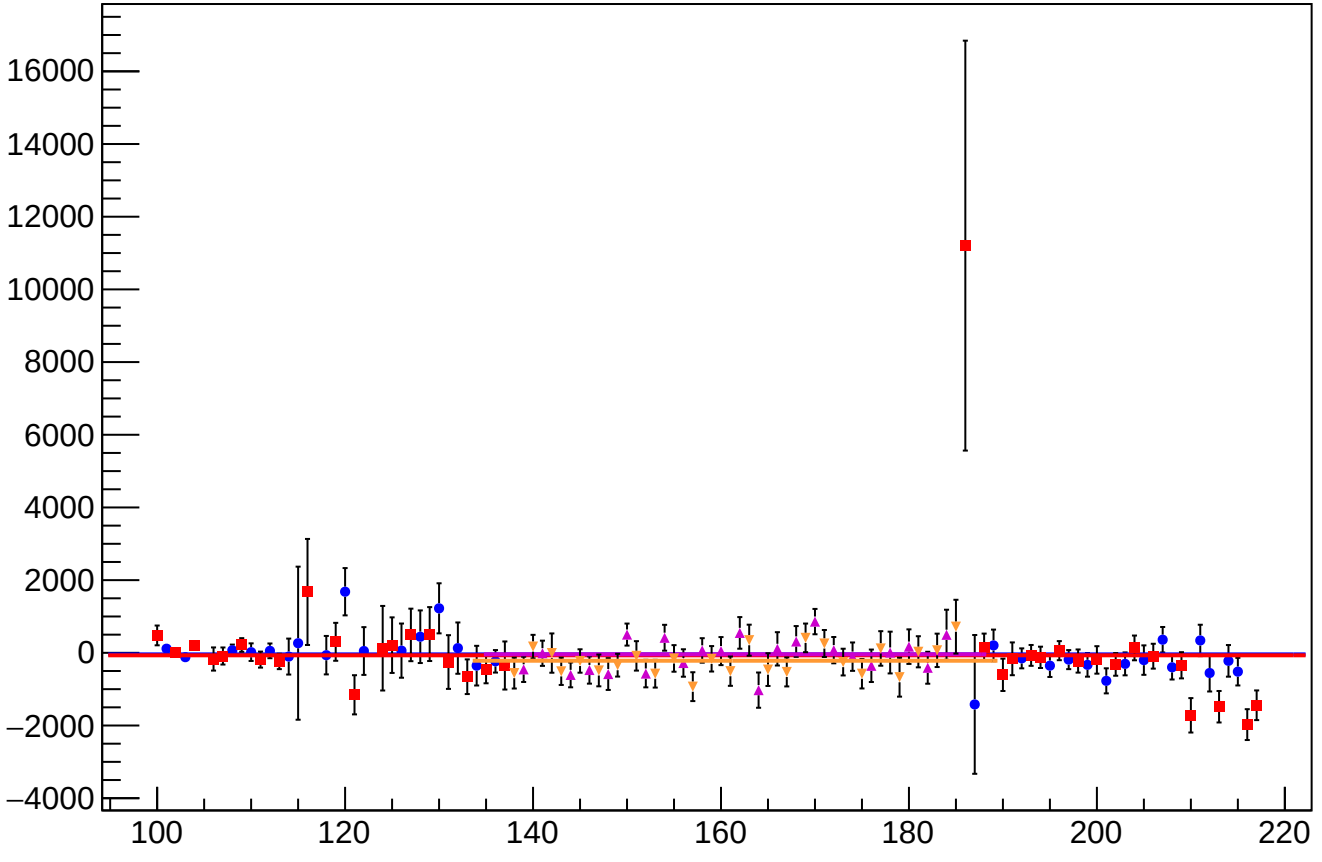
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.450+/-0.008 χ^2/NDF: 1871331.5/55

All: 67.205+/-0.006 χ^2/NDF: 4590616.0/114

- sign 66.962+/-0.008 χ^2/NDF: 2717317.1/58

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -42.989+/-46.402 χ^2/NDF: 30.4/30

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -68.232+/-45.545 χ^2/NDF: 88.3/35

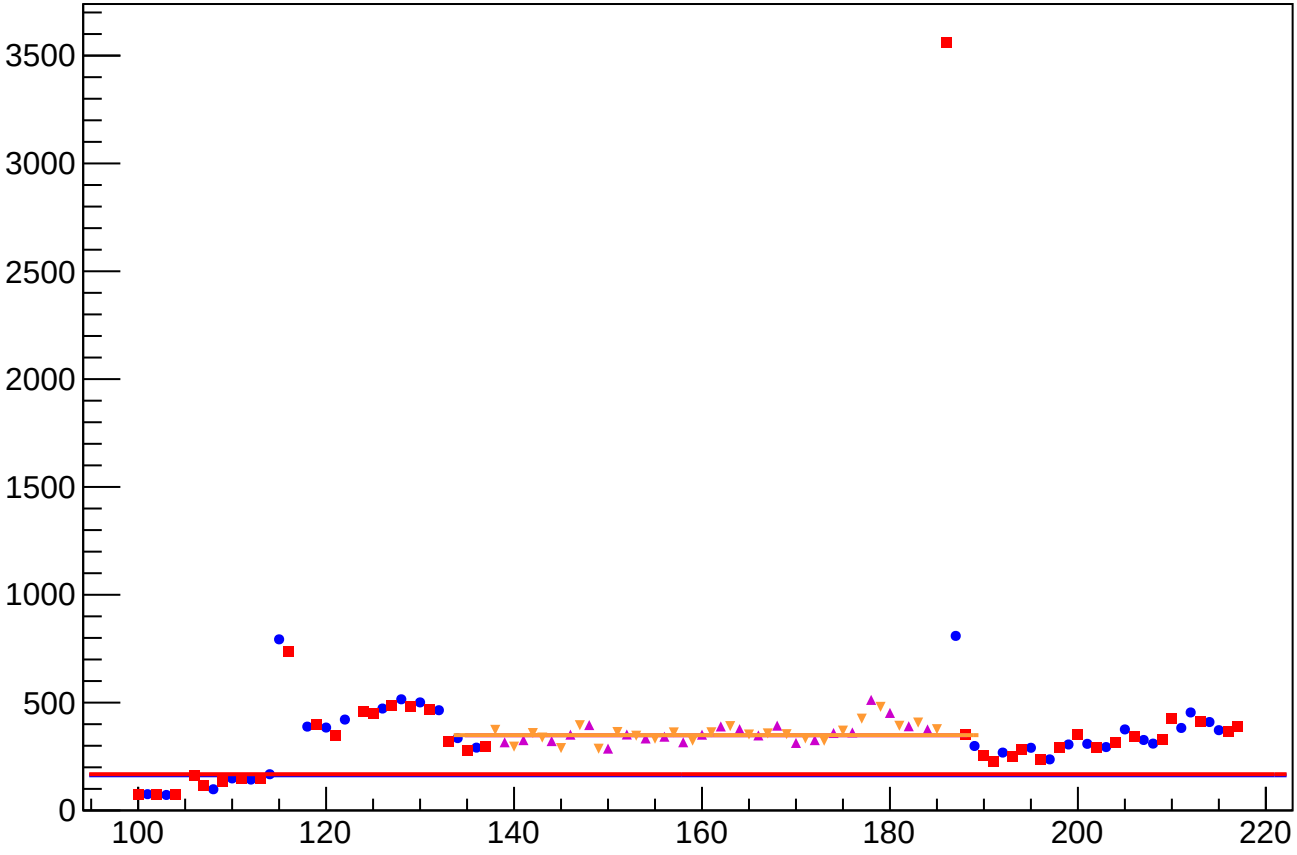
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -86.772+/-40.155 χ^2/NDF: 53.3/55

All: -74.271+/-28.284 χ^2/NDF: 171.8/114

- sign -61.962+/-39.845 χ^2/NDF: 118.4/58

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 163.088+/-0.033 χ^2/NDF: 13461798.7/30

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 168.083+/-0.032 χ^2/NDF: 13567241.0/35

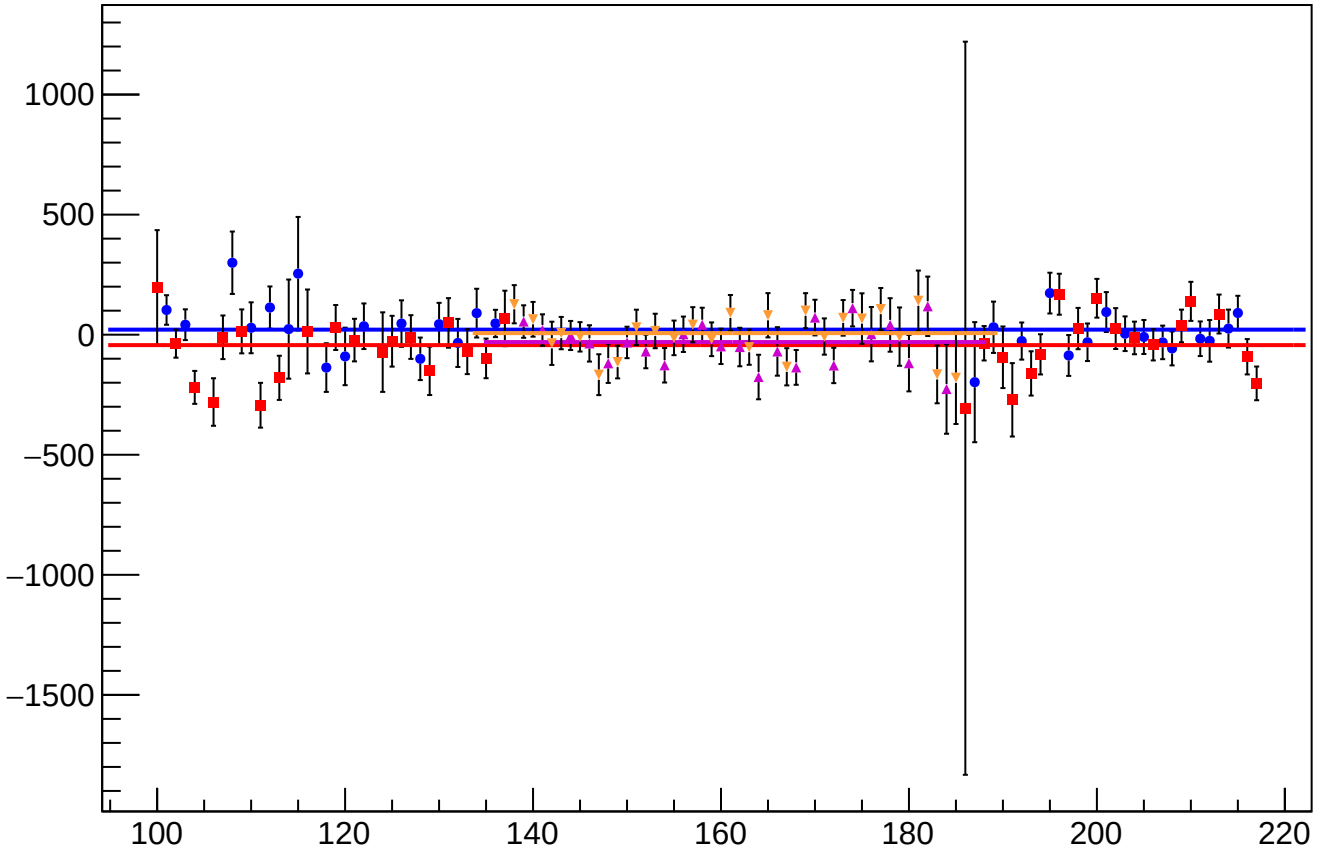
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 209.816+/-0.028 χ^2/NDF: 22063151.4/55

All: 210.126+/-0.020 χ^2/NDF: 43525221.9/11

- sign 210.431+/-0.028 χ^2/NDF: 21461834.4/58

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 21.013+/-15.237 χ^2/NDF: 25.6/30

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -43.468+/-14.696 χ^2/NDF: 59.9/35

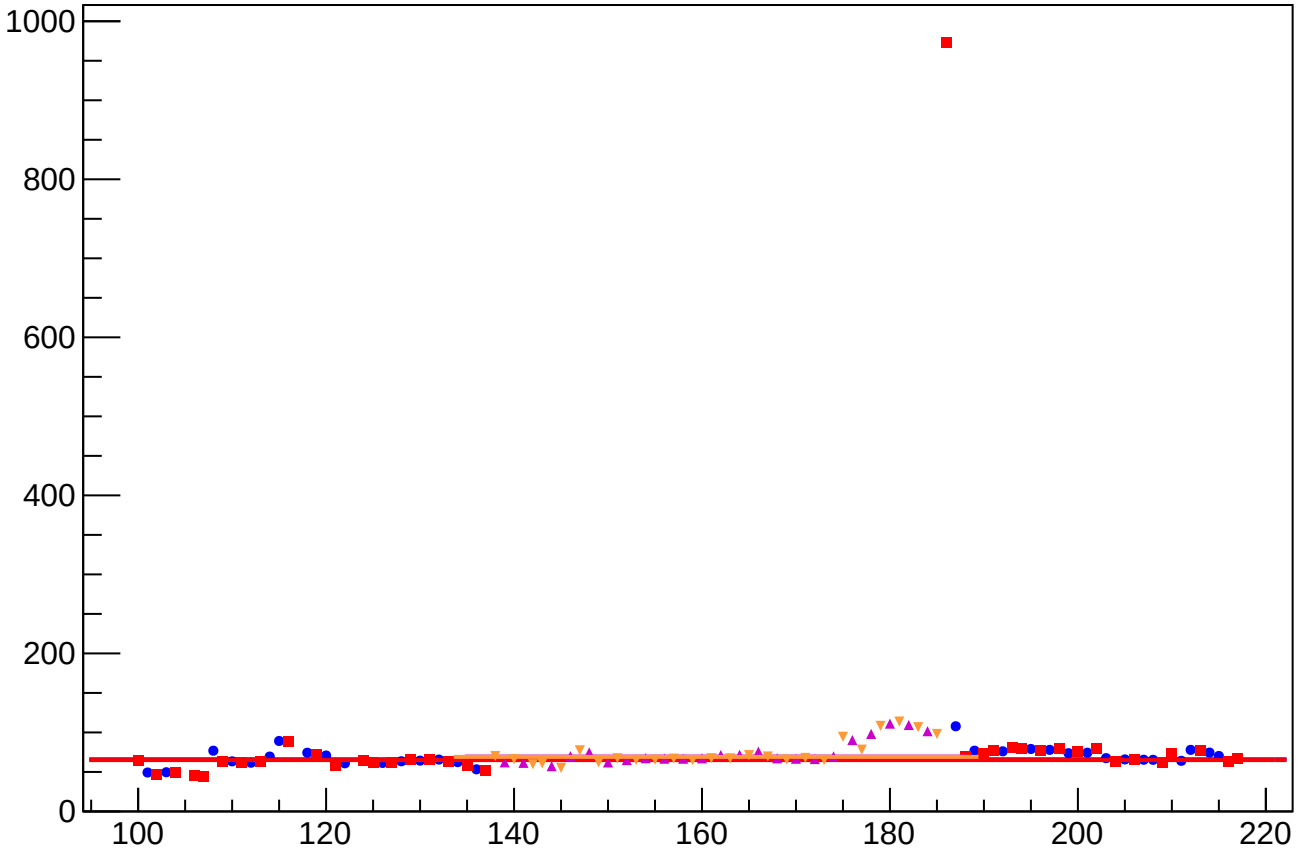
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 14.086+/-11.026 χ^2/NDF: 51.1/55

All: -11.980+/-7.779 χ^2/NDF: 144.9/114

- sign -37.804+/-10.975 χ^2/NDF: 82.7/58

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.969+/-0.011 χ^2/NDF: 757660.1/30

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 65.000+/-0.010 χ^2/NDF: 1712112.3/35

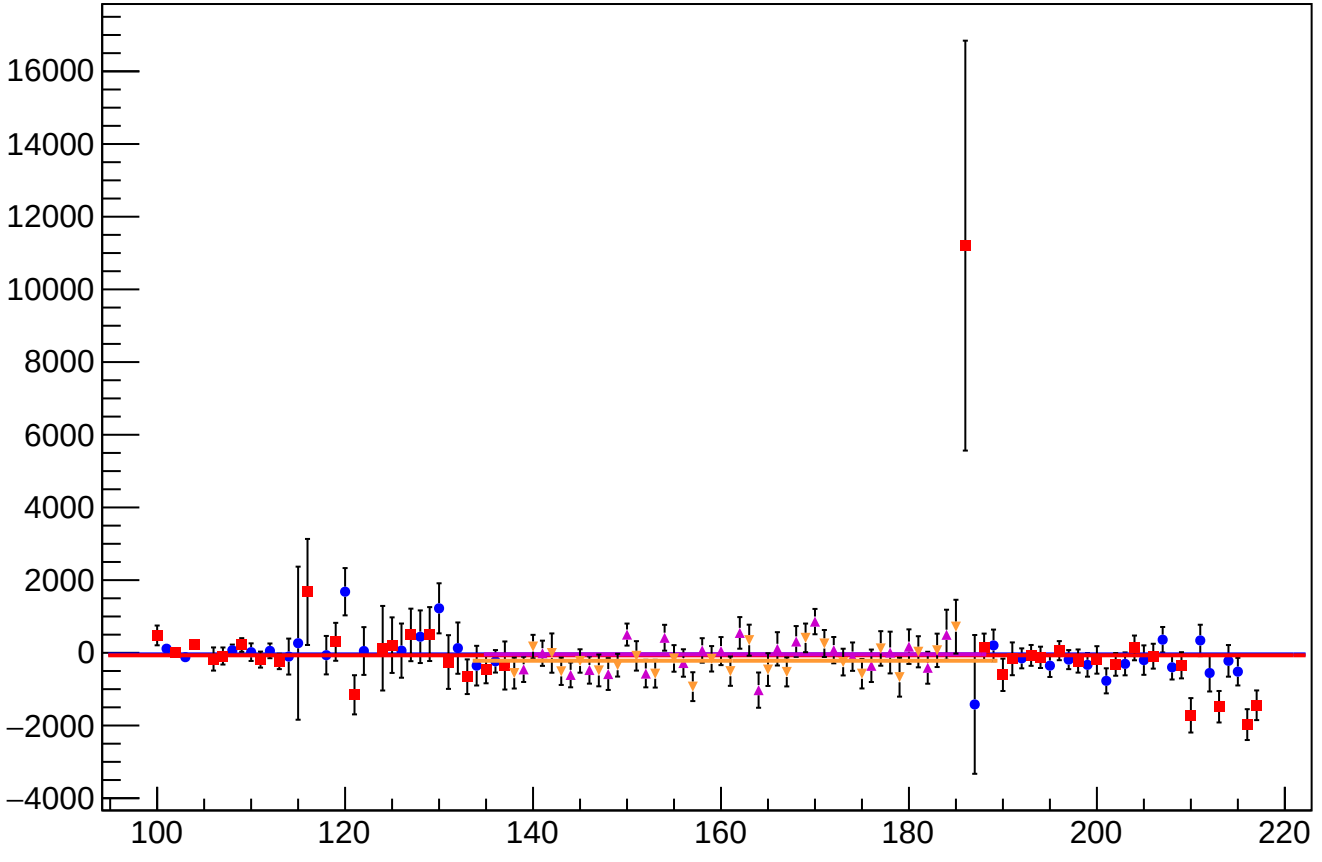
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.450+/-0.008 χ^2/NDF: 1871315.8/55

All: 67.205+/-0.006 χ^2/NDF: 4590591.7/114

- sign 66.962+/-0.008 χ^2/NDF: 2717308.6/58

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -42.989+/-46.402 χ^2/NDF: 30.4/30

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

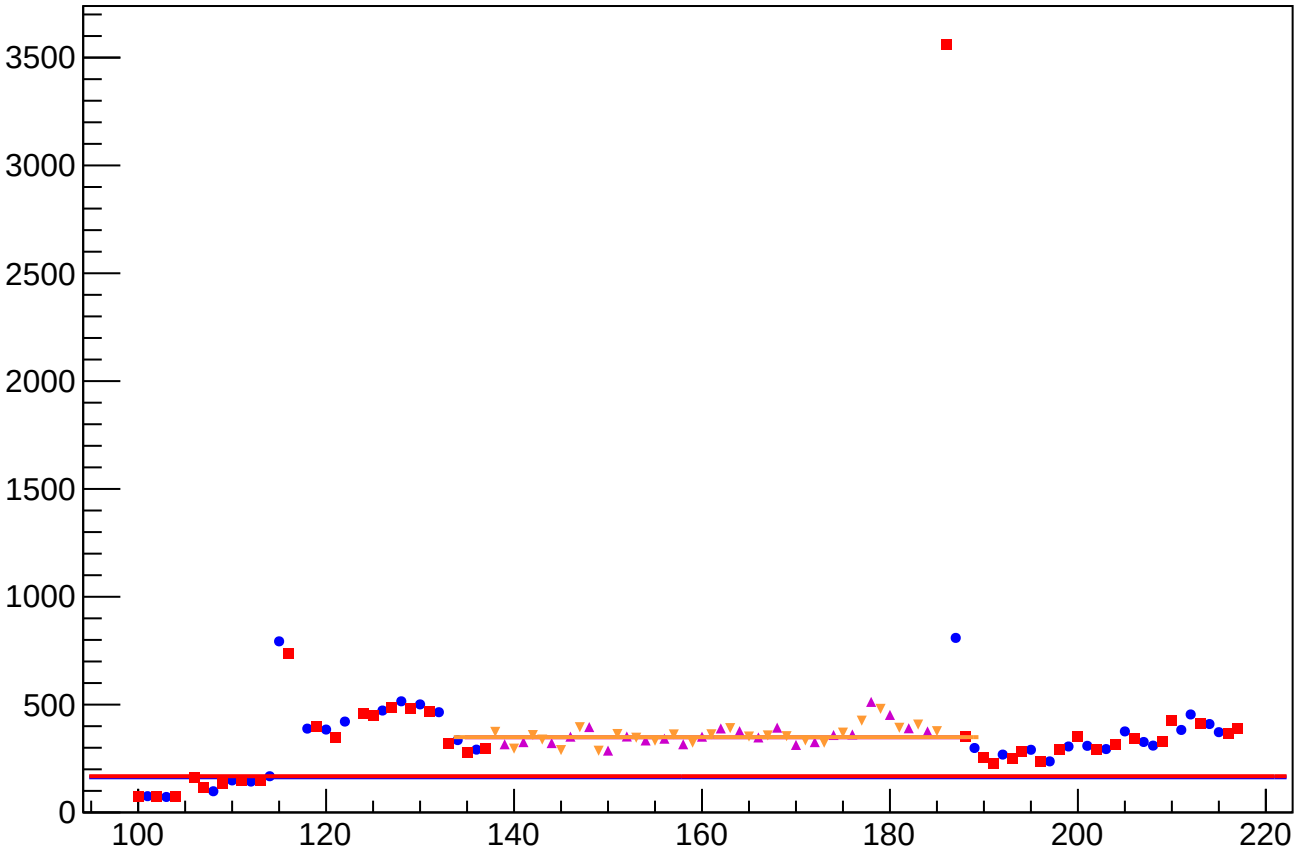
Right Out: -68.232+/-45.545 χ^2/NDF: 88.3/35

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -86.772+/-40.155 χ^2/NDF: 53.3/55

All: -74.271+/-28.284 χ^2/NDF: 171.8/114

\- sign -61.963+/-39.845 χ^2/NDF: 118.4/58



Right In: 163.088+/-0.033 χ^2/NDF: 13461816.2/30

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 168.082+/-0.032 χ^2/NDF: 13567279.9/35

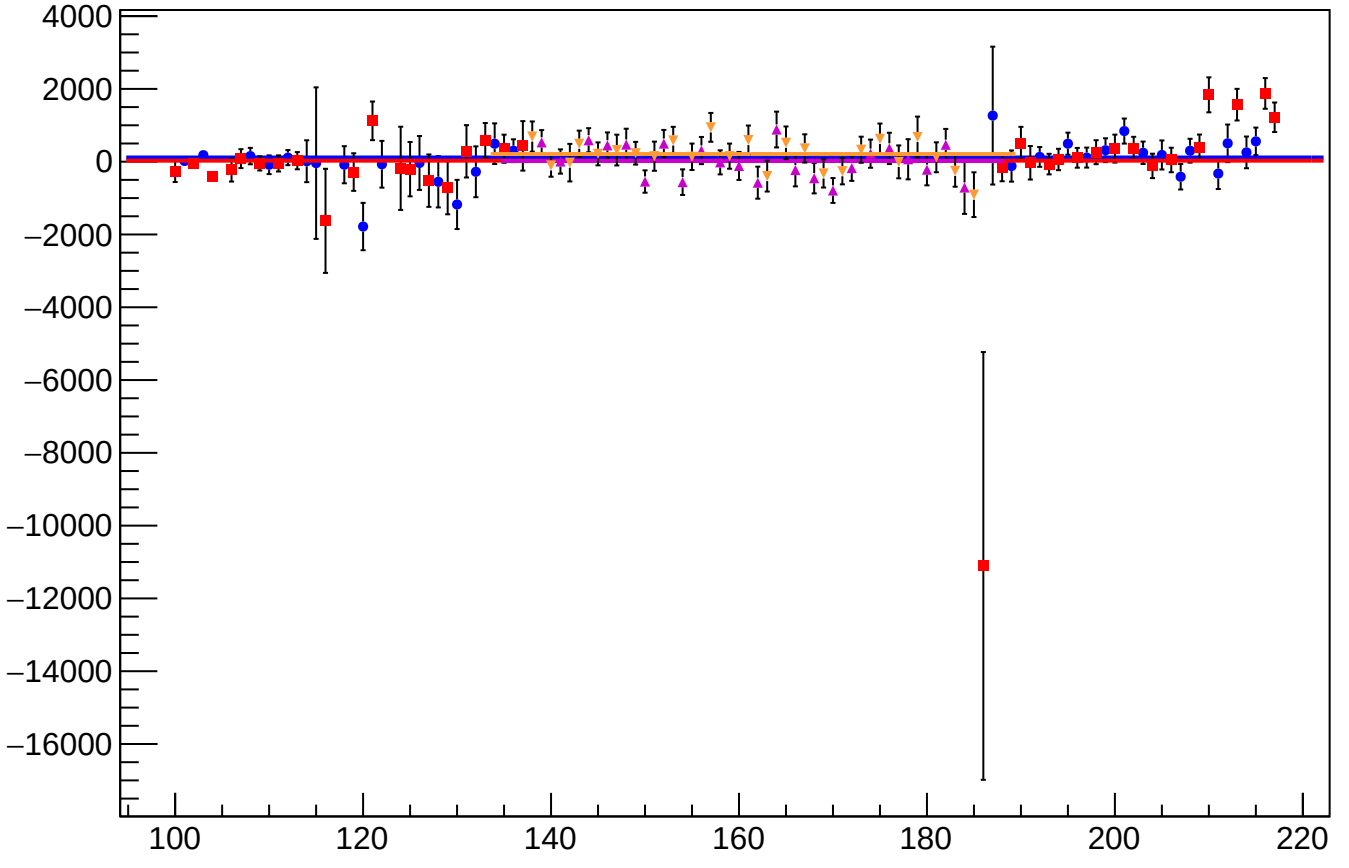
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 209.816+/-0.028 χ^2/NDF: 22063223.3/55

All: 210.126+/-0.020 χ^2/NDF: 43525400.0/11

- sign 210.430+/-0.028 χ^2/NDF: 21461940.7/58

asym_sam_15_avg_mean vs Slug



Right In: 114.739+/-49.844 χ^2/NDF: 29.4/30

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 28.219+/-48.475 χ^2/NDF: 91.1/35

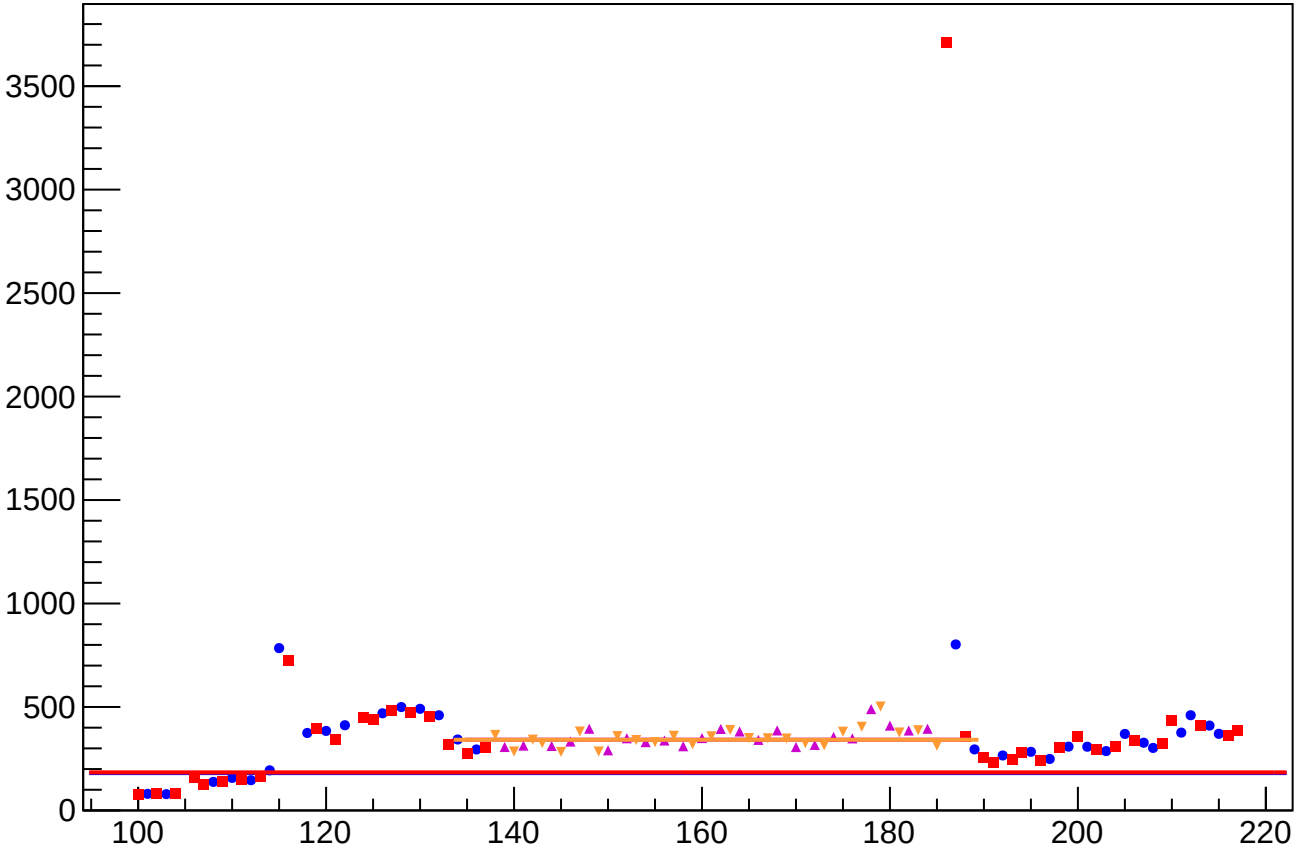
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 142.053+/-42.080 χ^2/NDF: 51.9/55

All: 83.148+/-29.568 χ^2/NDF: 178.9/114

- sign 25.705+/-41.555 χ^2/NDF: 123.1/58

asym_sam_15_avg_rms vs Slug



Right In: 180.536+/-0.035 χ^2/NDF: 11777572.4/30

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

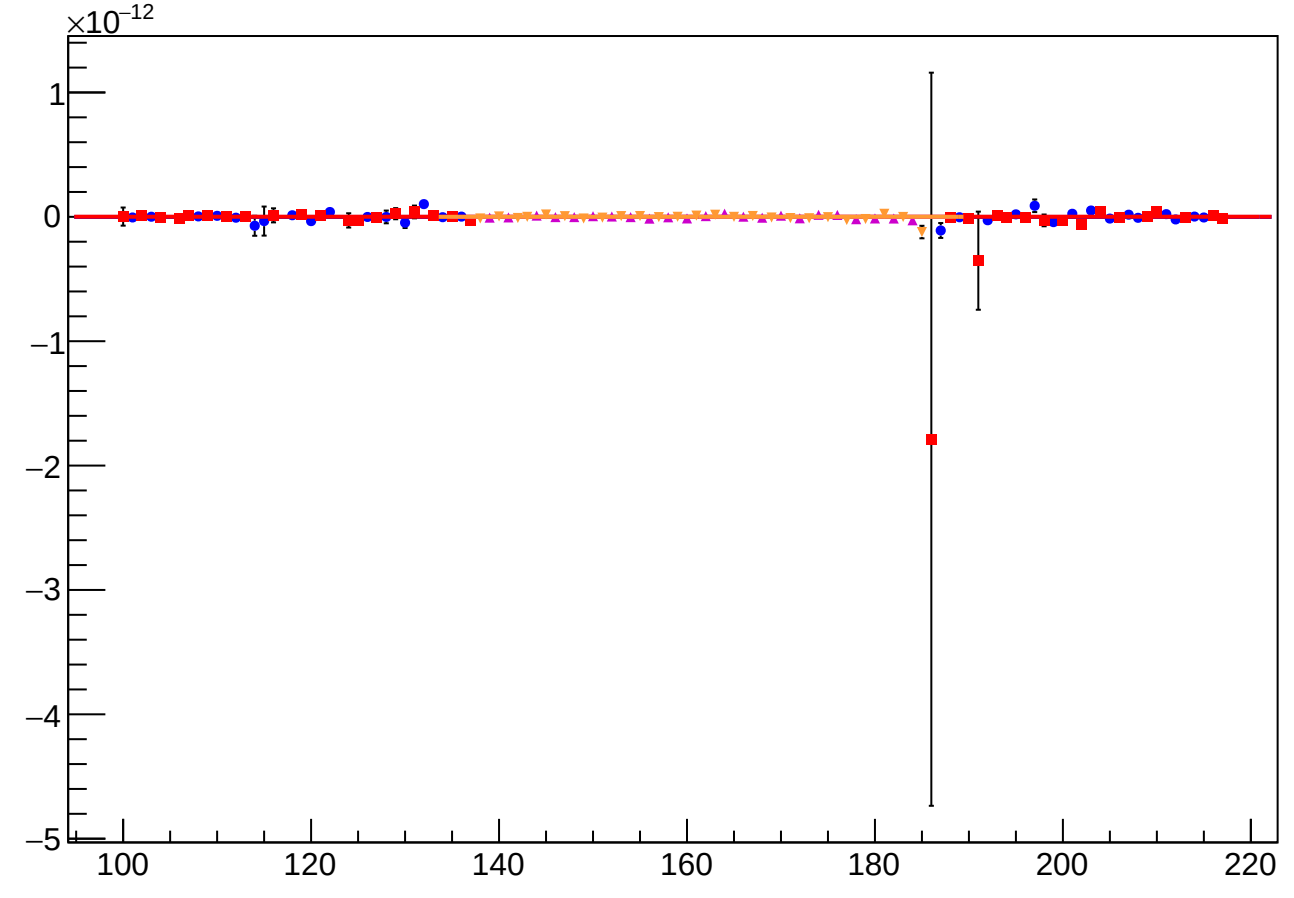
Right Out: 184.054+/-0.034 χ^2/NDF: 11889700.9/35

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 226.801+/-0.030 χ^2/NDF: 18329800.0/55

All: 226.354+/-0.021 χ^2/NDF: 36331300.0/11

- sign 225.919+/-0.029 χ^2/NDF: 18001055.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

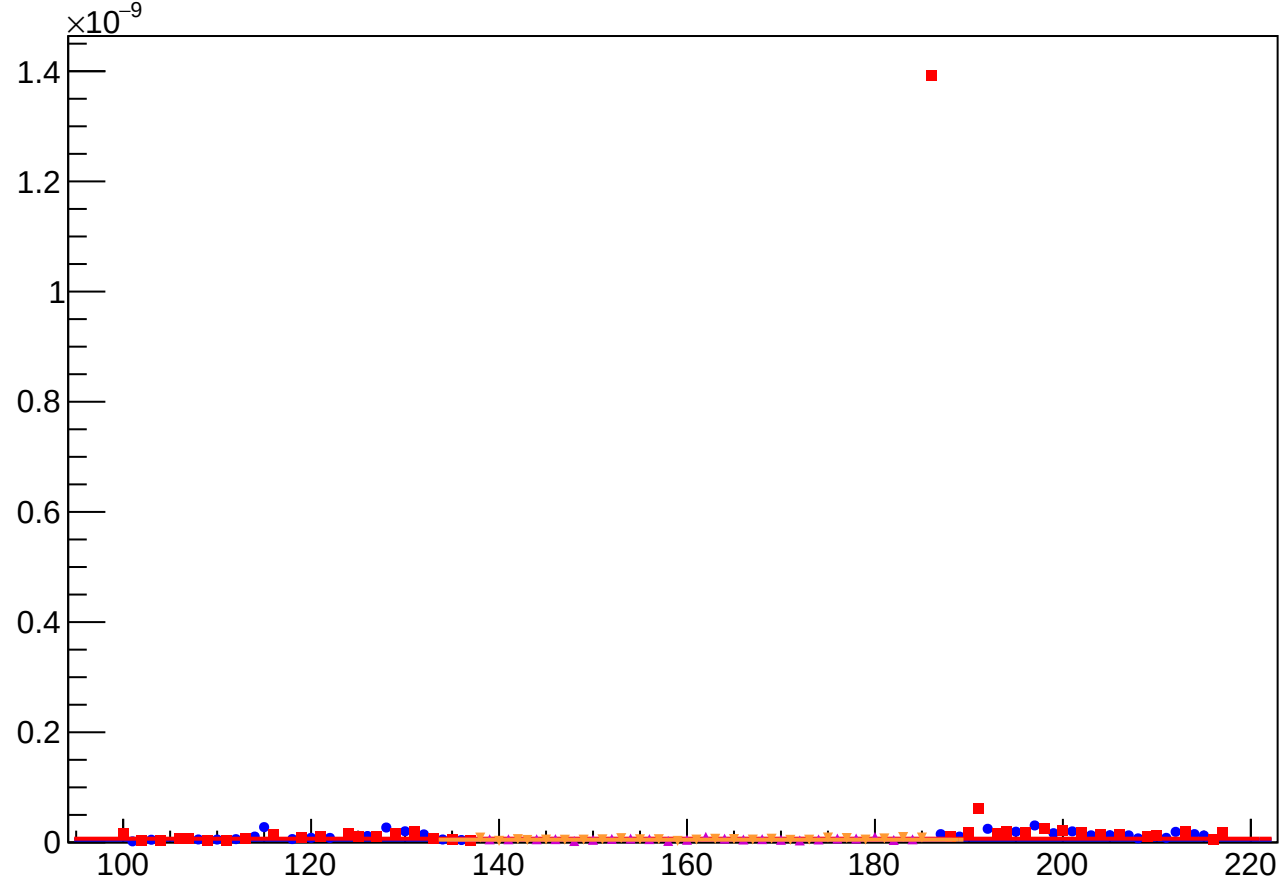
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 66.8/55

All: -0.000+/-0.000 χ^2/NDF: 112.8/114

\- sign -0.000+/-0.000 χ^2/NDF: 46.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 7343274.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

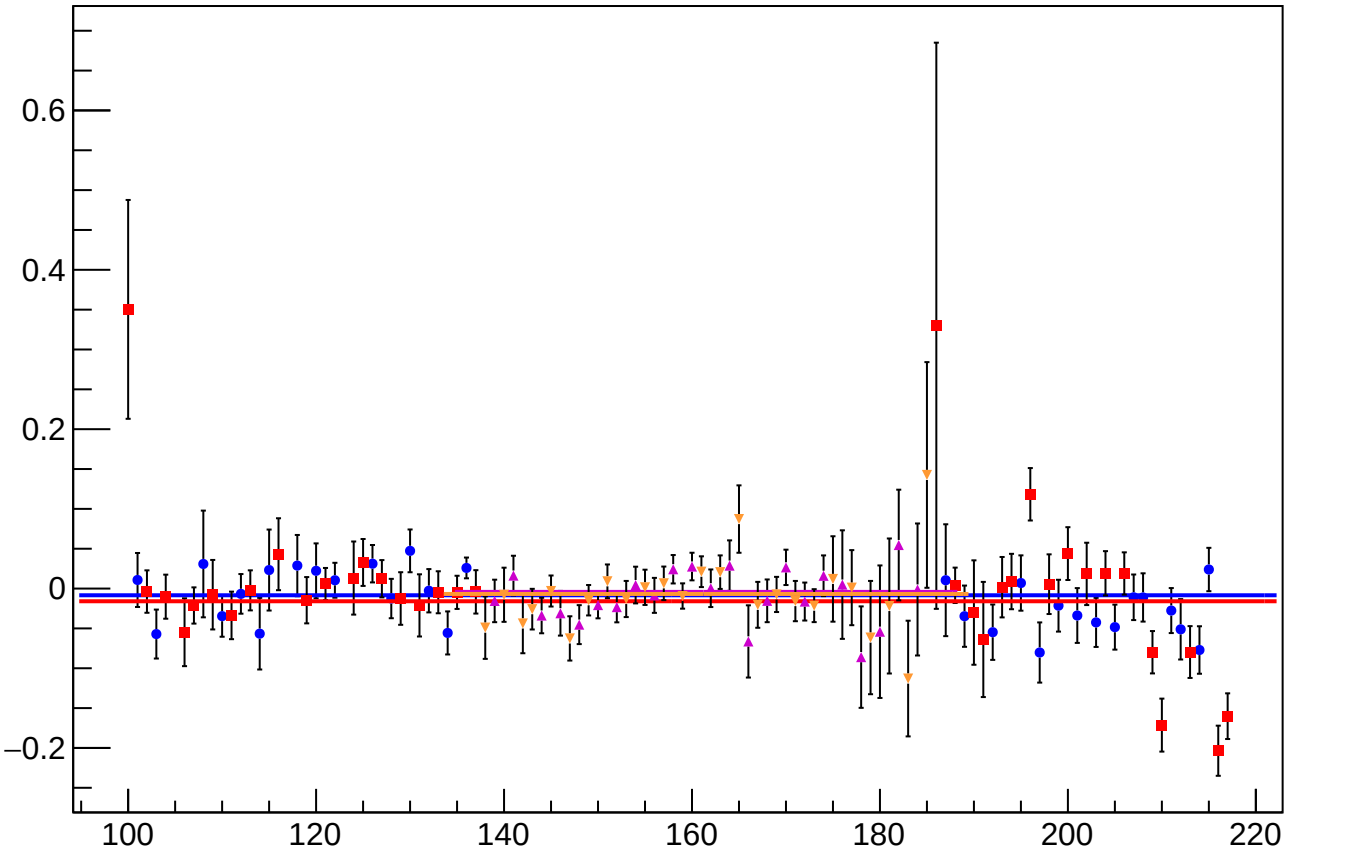
Right Out: 0.000+/-0.000 χ^2/NDF: 6011420.4/35

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8638200.6/55

All: 0.000+/-0.000 χ^2/NDF: 16548794.7/114

- sign 0.000+/-0.000 χ^2/NDF: 7785330.5/58



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

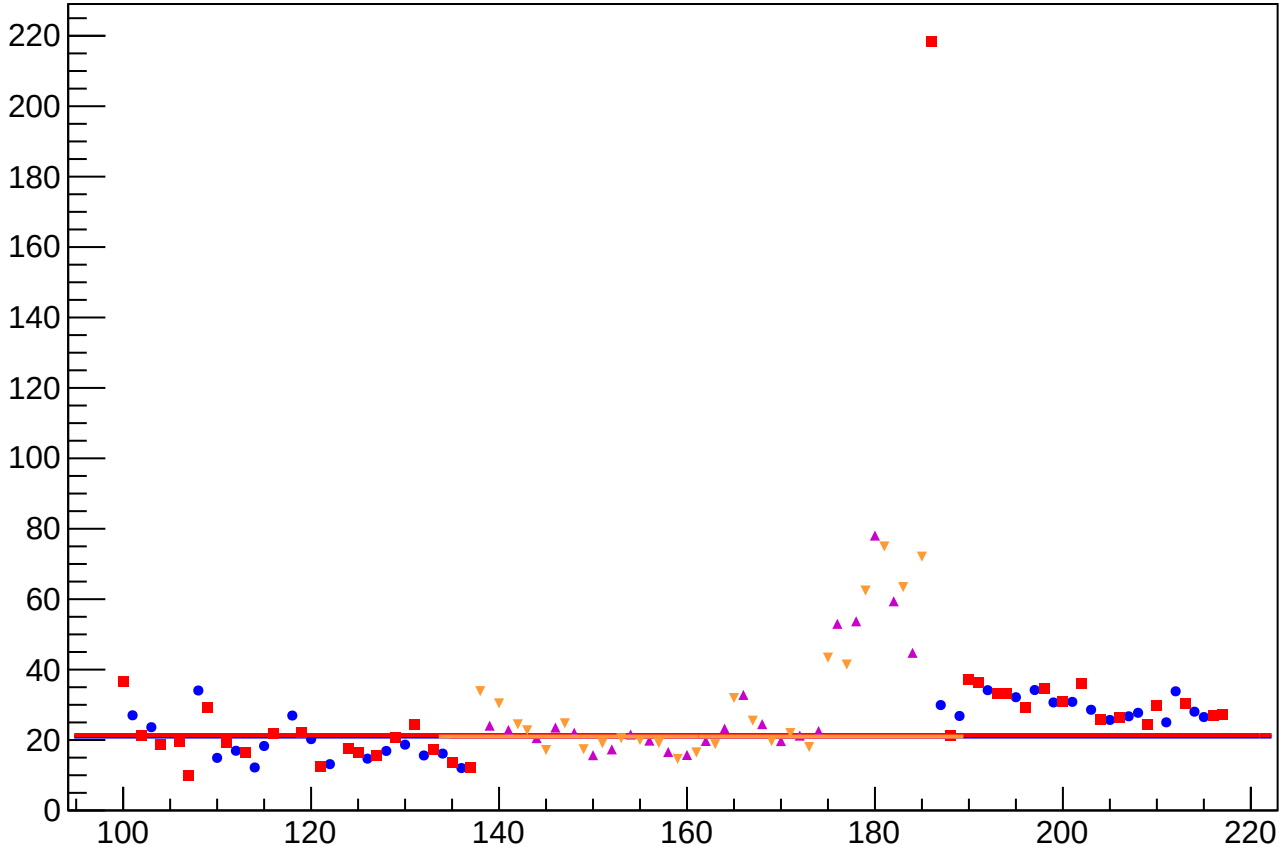
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 65.8/55

All: -0.009+/-0.003 χ^2/NDF: 228.5/114

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.982+/-0.004 χ^2/NDF: 3984078.6/30

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

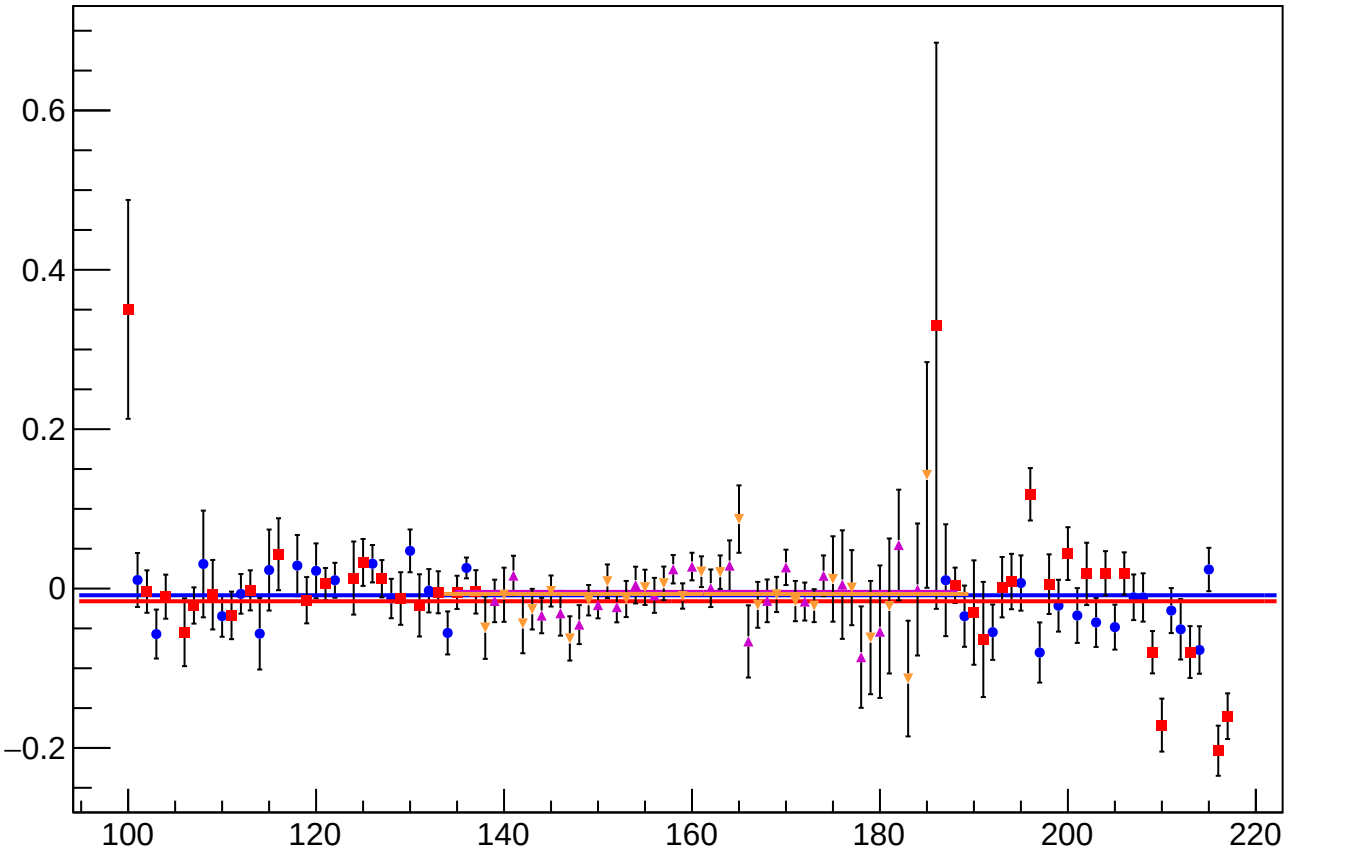
Right Out: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.981+/-0.003 χ^2/NDF: 8451090.1/55

All: 21.068+/-0.002 χ^2/NDF: 16468786.6/114

- sign 21.155+/-0.003 χ^2/NDF: 8015457.6/58



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

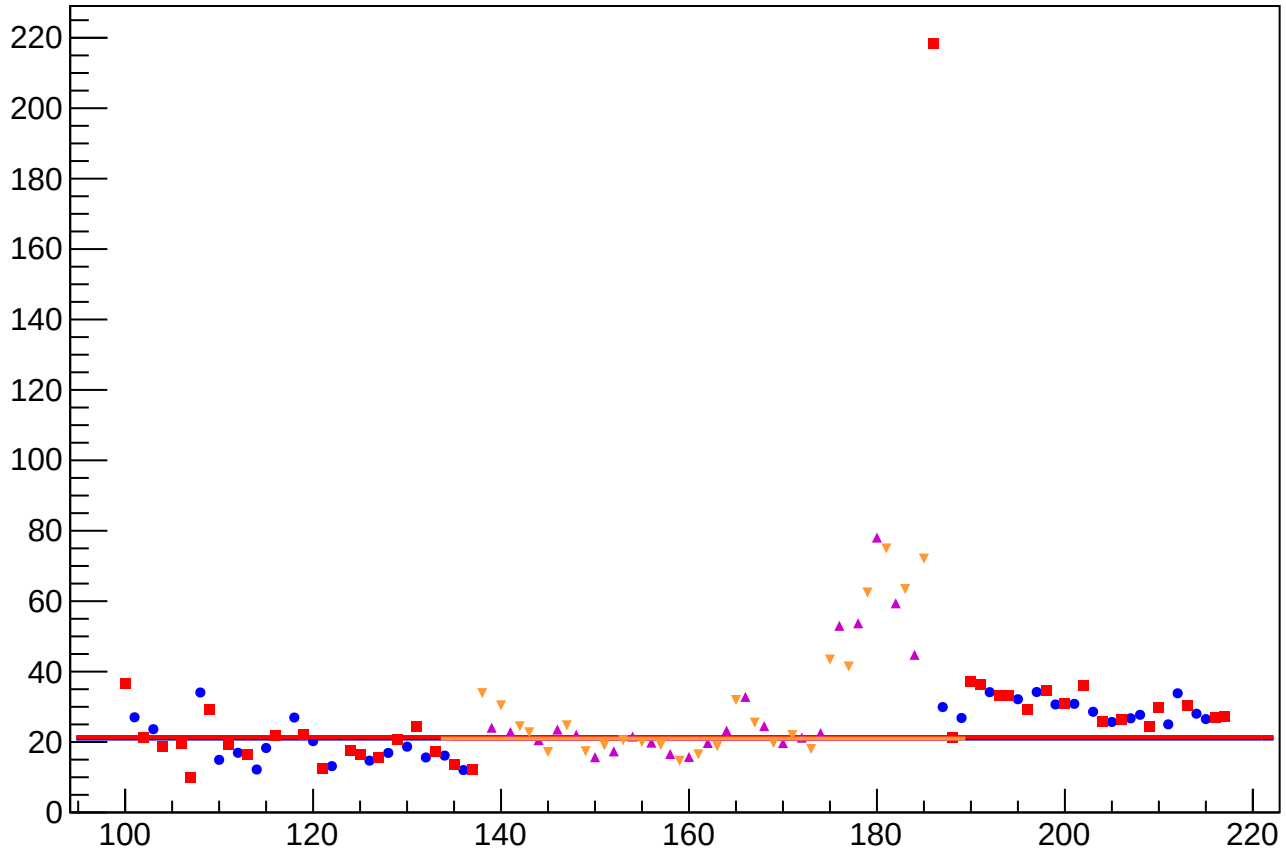
Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 65.8/55

All: -0.009+/-0.003 χ^2/NDF: 228.5/114

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58



Right In: 20.982+/-0.004 χ^2/NDF: 3984078.6/30

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

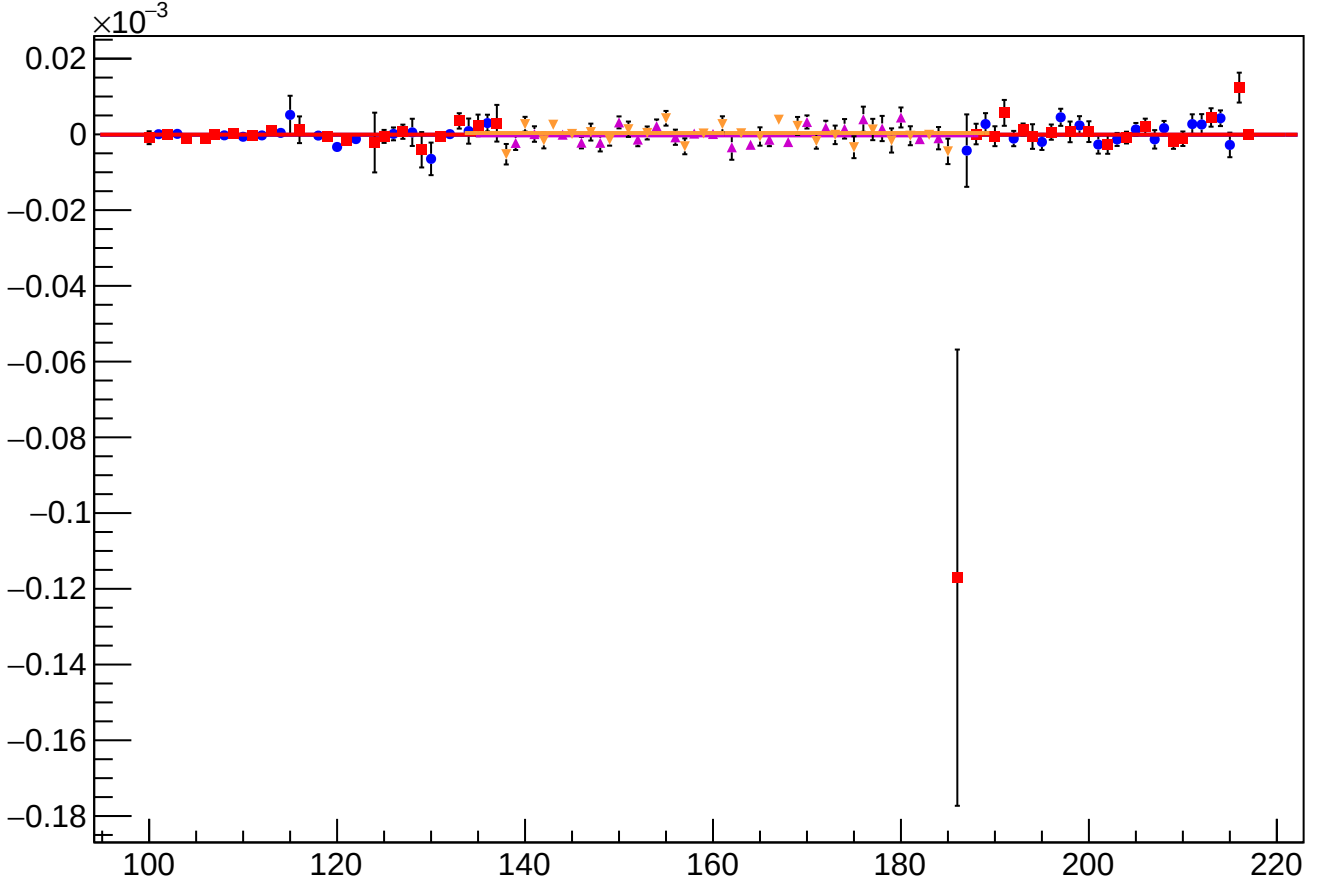
Right Out: 21.424+/-0.004 χ^2/NDF: 4469142.3/35

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.981+/-0.003 χ^2/NDF: 8451090.1/55

All: 21.068+/-0.002 χ^2/NDF: 16468786.6/114

- sign 21.155+/-0.003 χ^2/NDF: 8015457.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

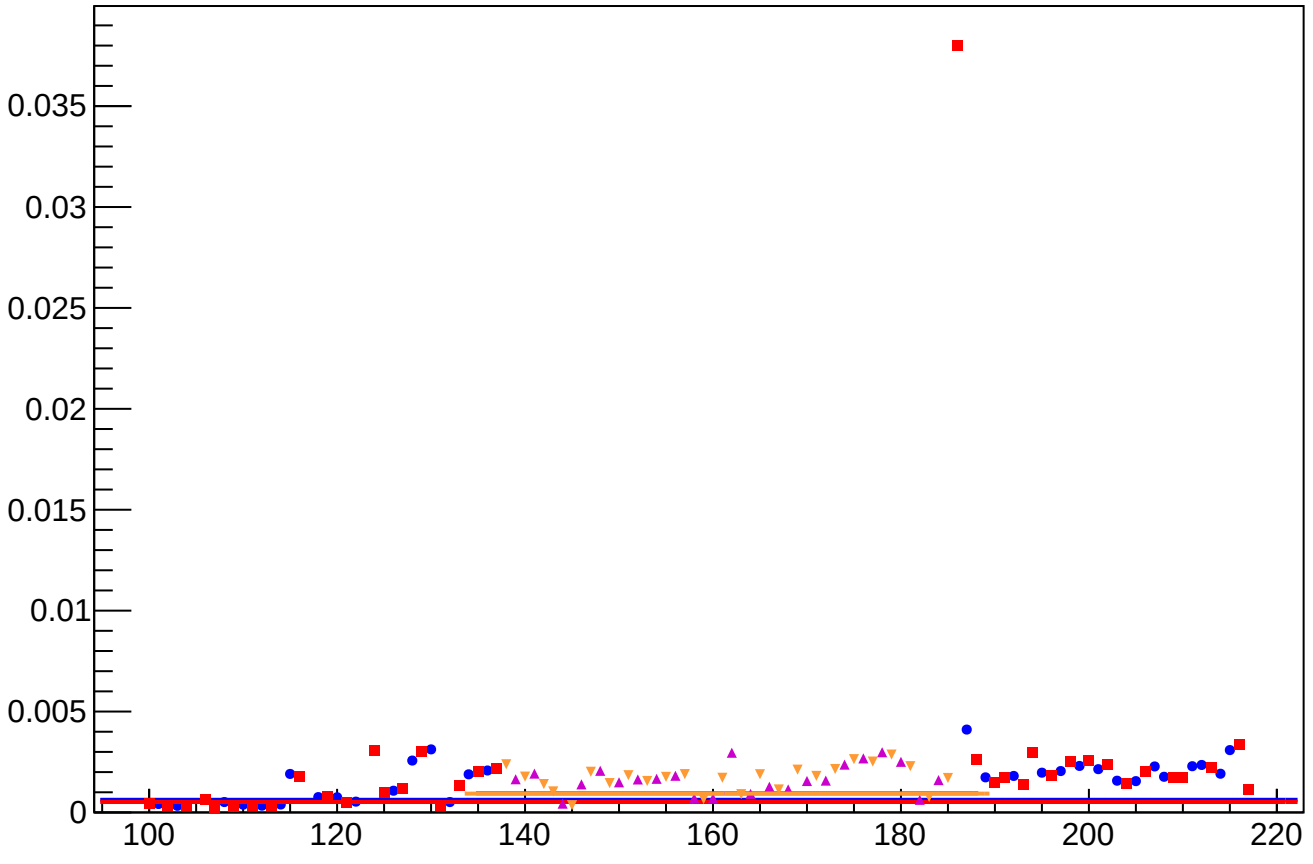
Right Out: -0.000+/-0.000 χ^2/NDF: 45.0/35

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.2/55

All: -0.000+/-0.000 χ^2/NDF: 147.0/114

- sign -0.000+/-0.000 χ^2/NDF: 77.0/58



Right In: 0.001+/-0.000 χ^2/NDF: 16243967.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

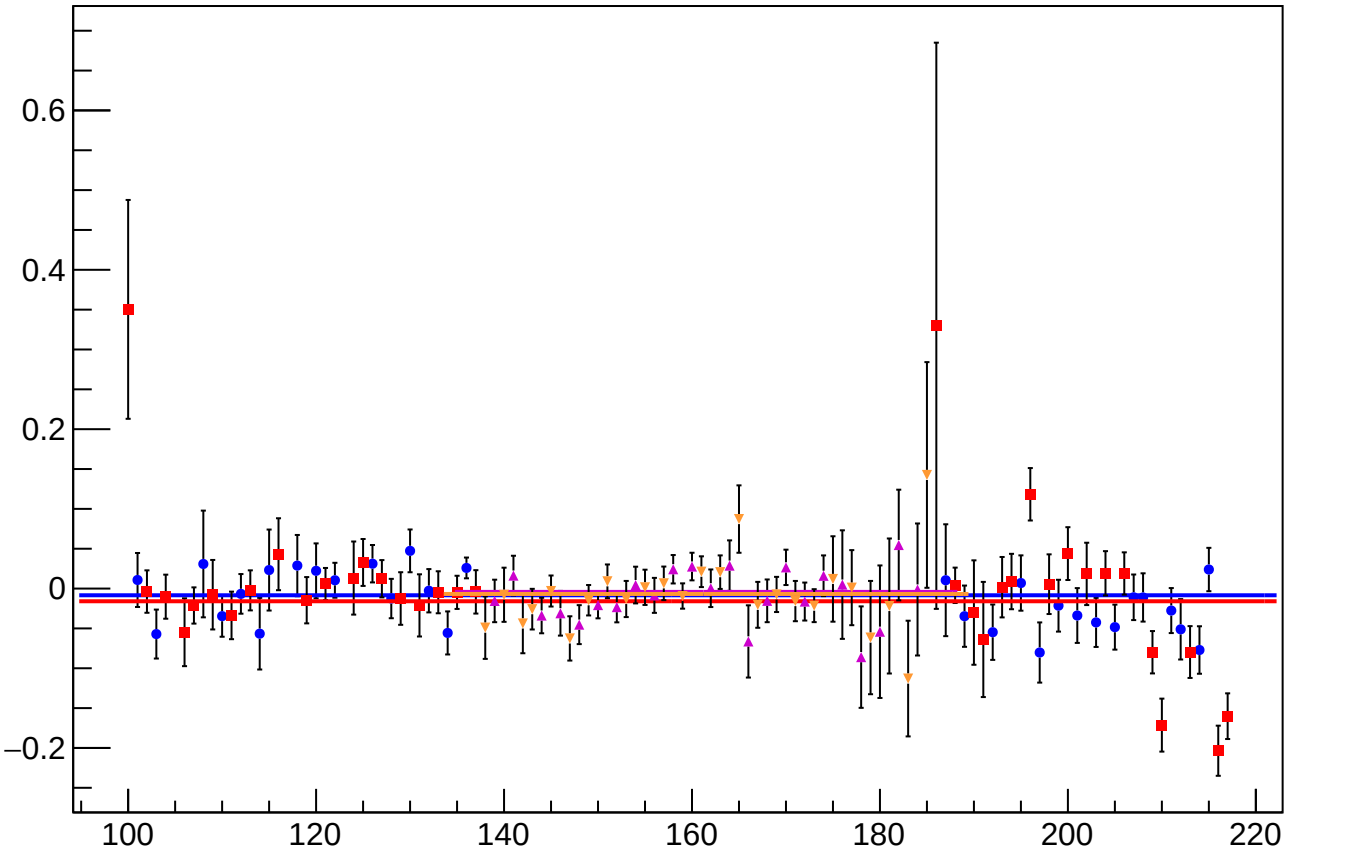
Right Out: 0.001+/-0.000 χ^2/NDF: 19498108.4/35

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 29990955.0/55

All: 0.001+/-0.000 χ^2/NDF: 63236633.4/114

- sign 0.001+/-0.000 χ^2/NDF: 32803861.5/58



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

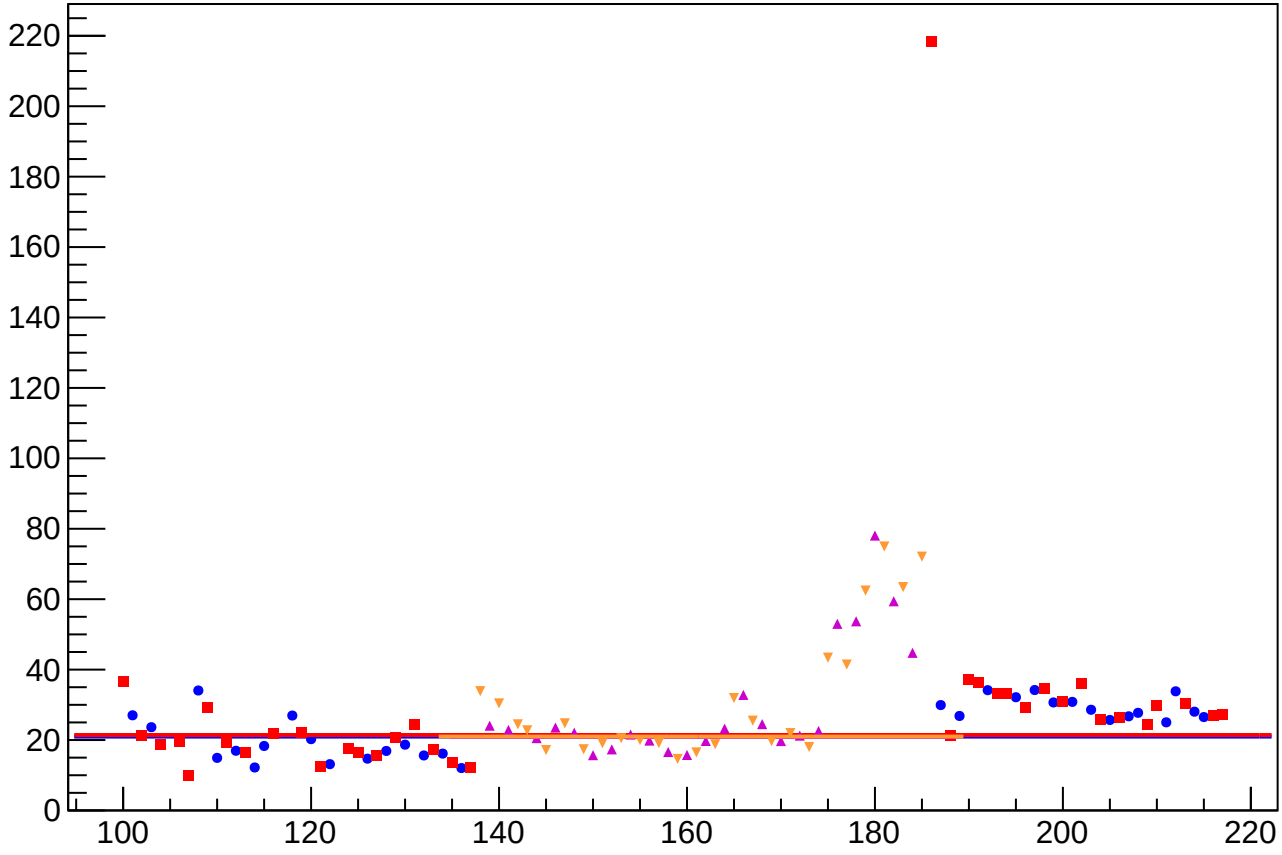
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 65.8/55

All: -0.009+/-0.003 χ^2/NDF: 228.5/114

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.982+/-0.004 χ^2/NDF: 3984076.2/30

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

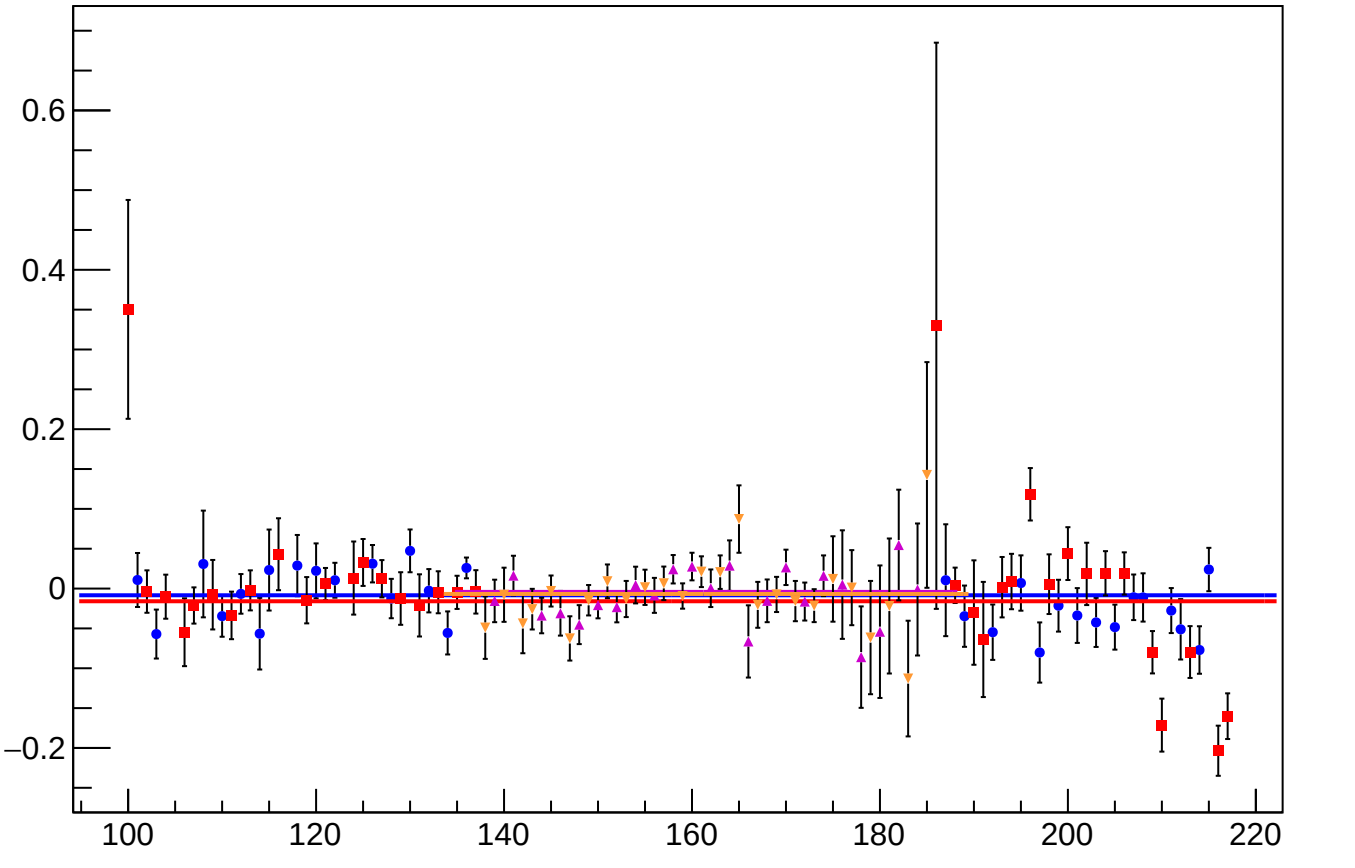
Right Out: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.981+/-0.003 χ^2/NDF: 8451060.8/55

All: 21.068+/-0.002 χ^2/NDF: 16468788.8/114

- sign 21.155+/-0.003 χ^2/NDF: 8015491.0/58



Right In: -0.008+/-0.005 χ^2/NDF: 44.0/30

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

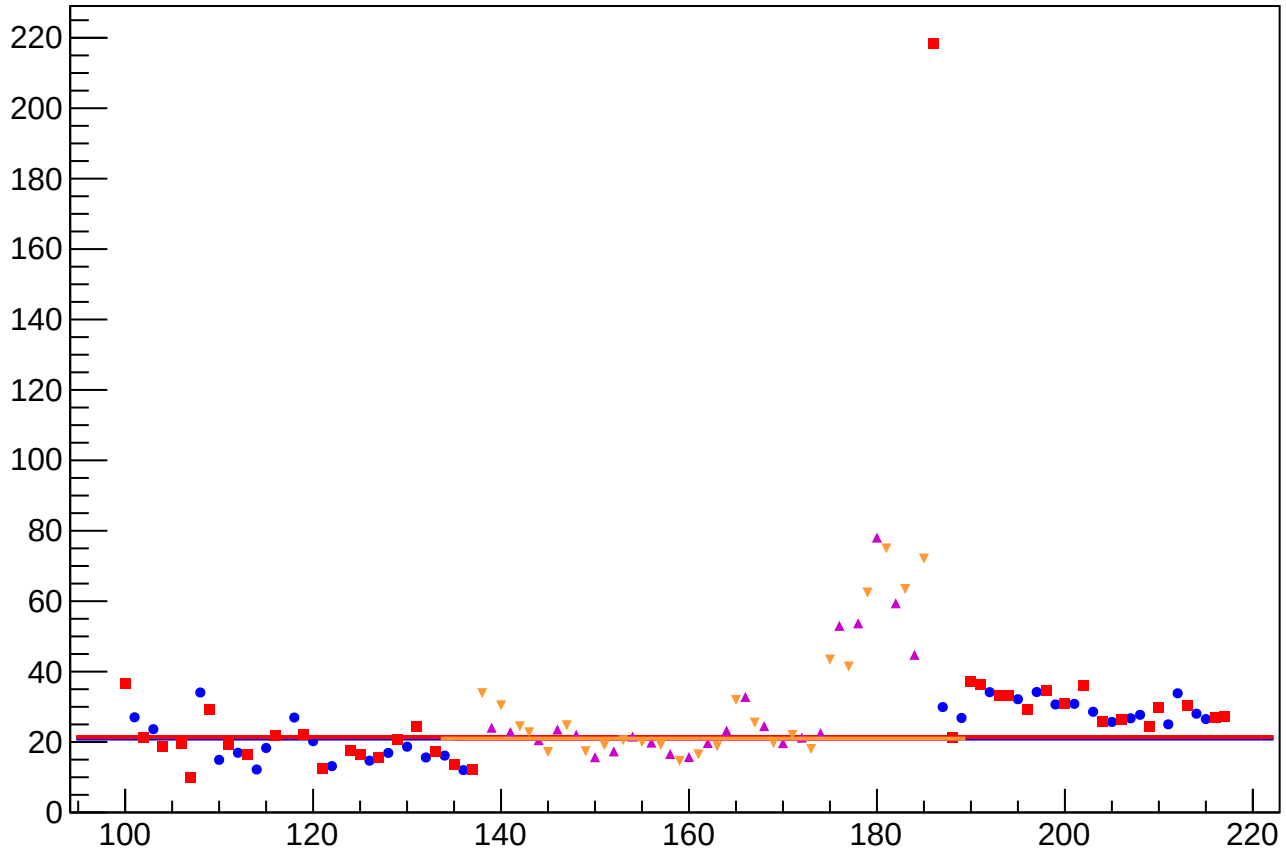
Right Out: -0.016+/-0.005 χ^2/NDF: 136.8/35

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 65.8/55

All: -0.009+/-0.003 χ^2/NDF: 228.5/114

- sign -0.010+/-0.004 χ^2/NDF: 162.5/58



Right In: 20.982+/-0.004 χ^2/NDF: 3984076.2/30

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

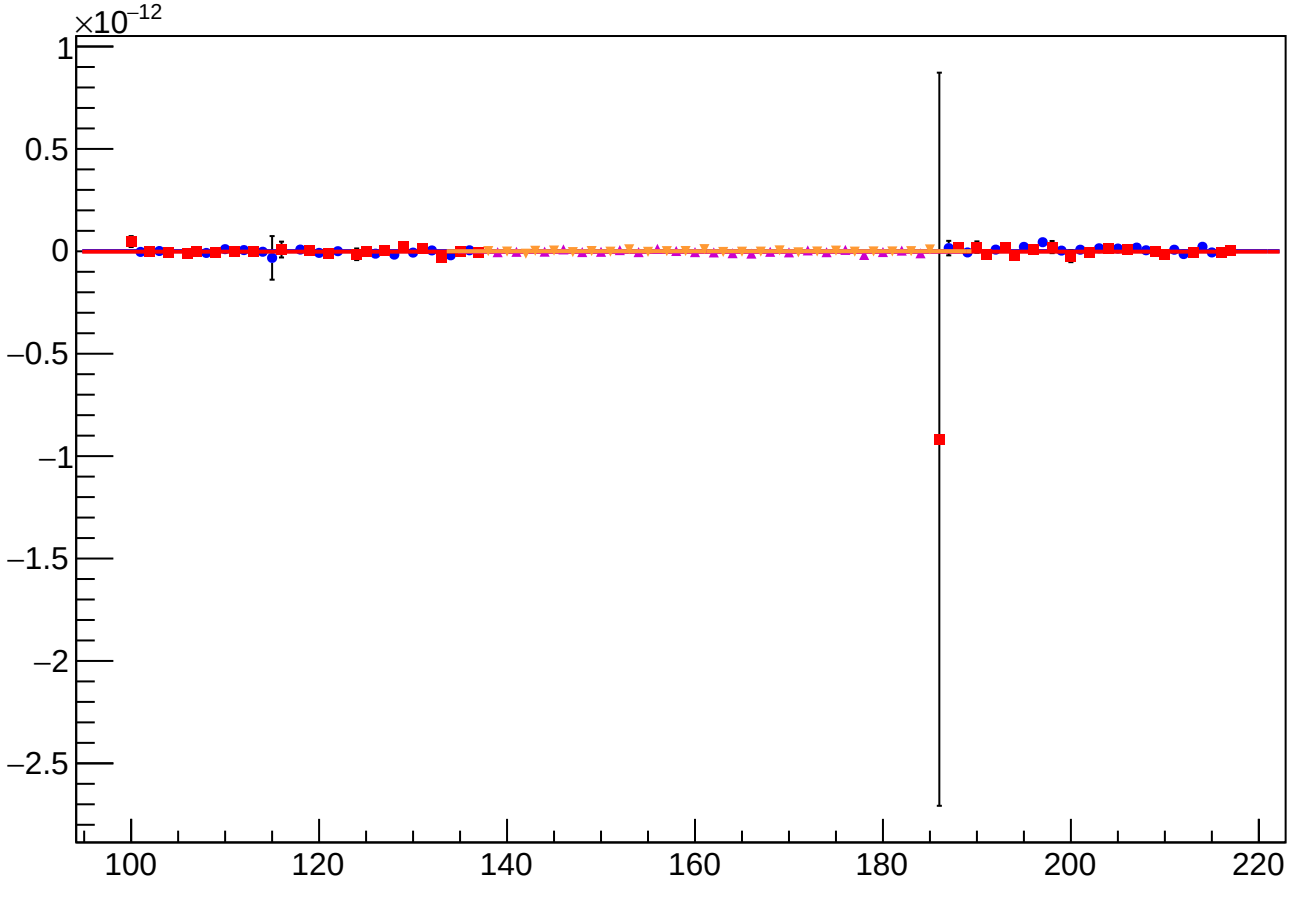
Right Out: 21.424+/-0.004 χ^2/NDF: 4469144.5/35

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.981+/-0.003 χ^2/NDF: 8451060.8/55

All: 21.068+/-0.002 χ^2/NDF: 16468788.8/114

- sign 21.155+/-0.003 χ^2/NDF: 8015491.0/58



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

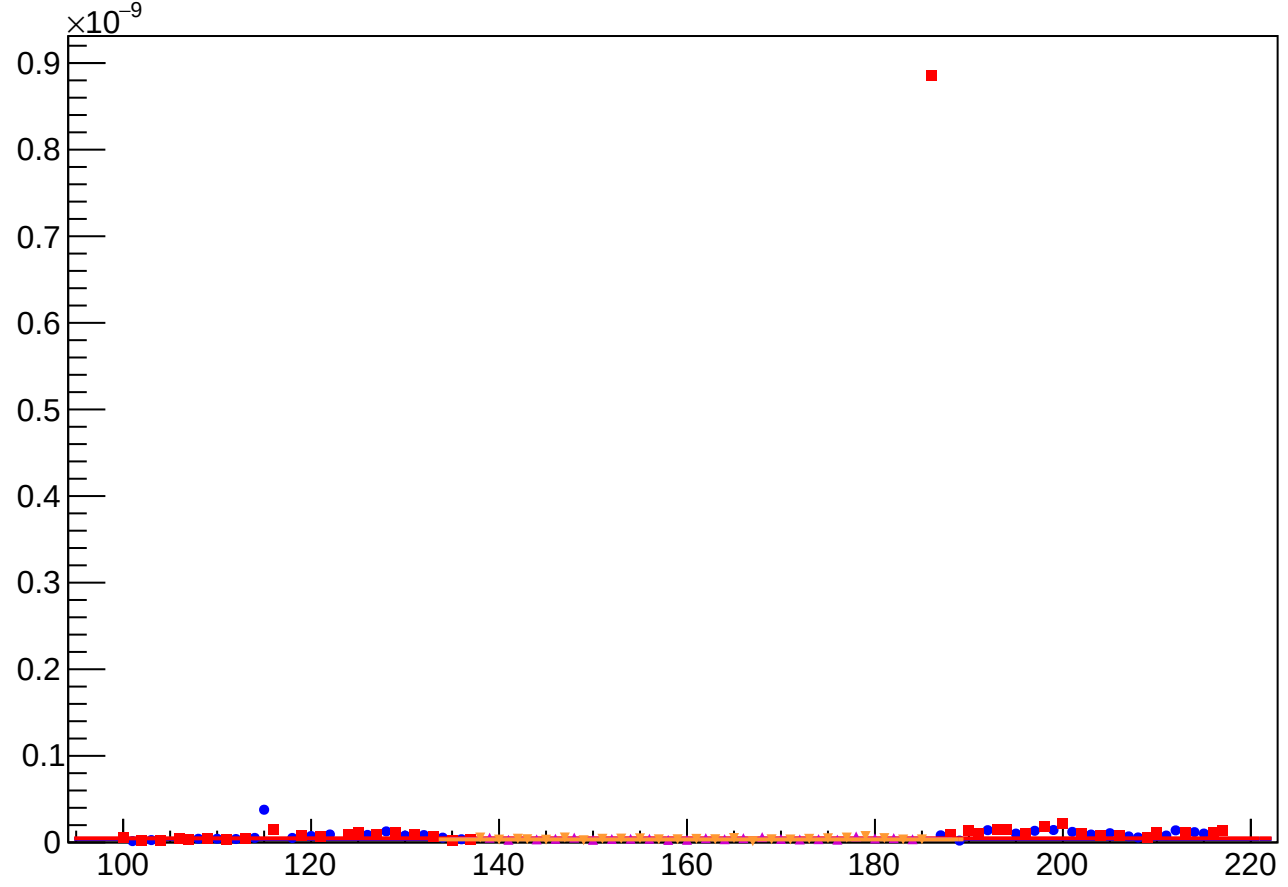
Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/35

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/55

All: -0.000+/-0.000 χ^2/NDF: 98.9/114

- sign -0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9088448.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456244.4/35

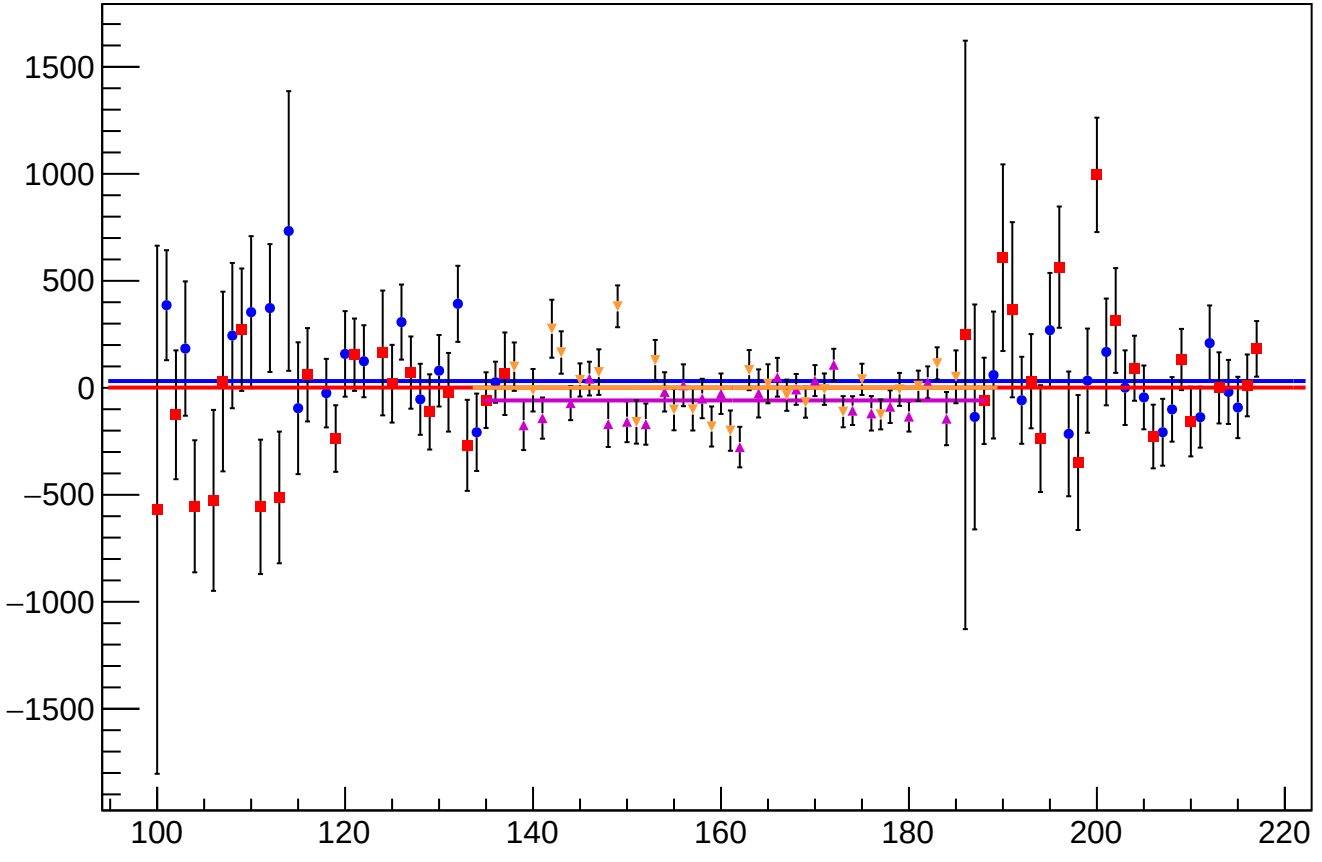
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 11757385.5/55

All: 0.000+/-0.000 χ^2/NDF: 23080122.4/114

\- sign 0.000+/-0.000 χ^2/NDF: 11022083.2/58

reg_asym_sam_26_avg_mean vs Slug



Right In: 31.629+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.215+/-34.186 χ^2/NDF: 49.0/35

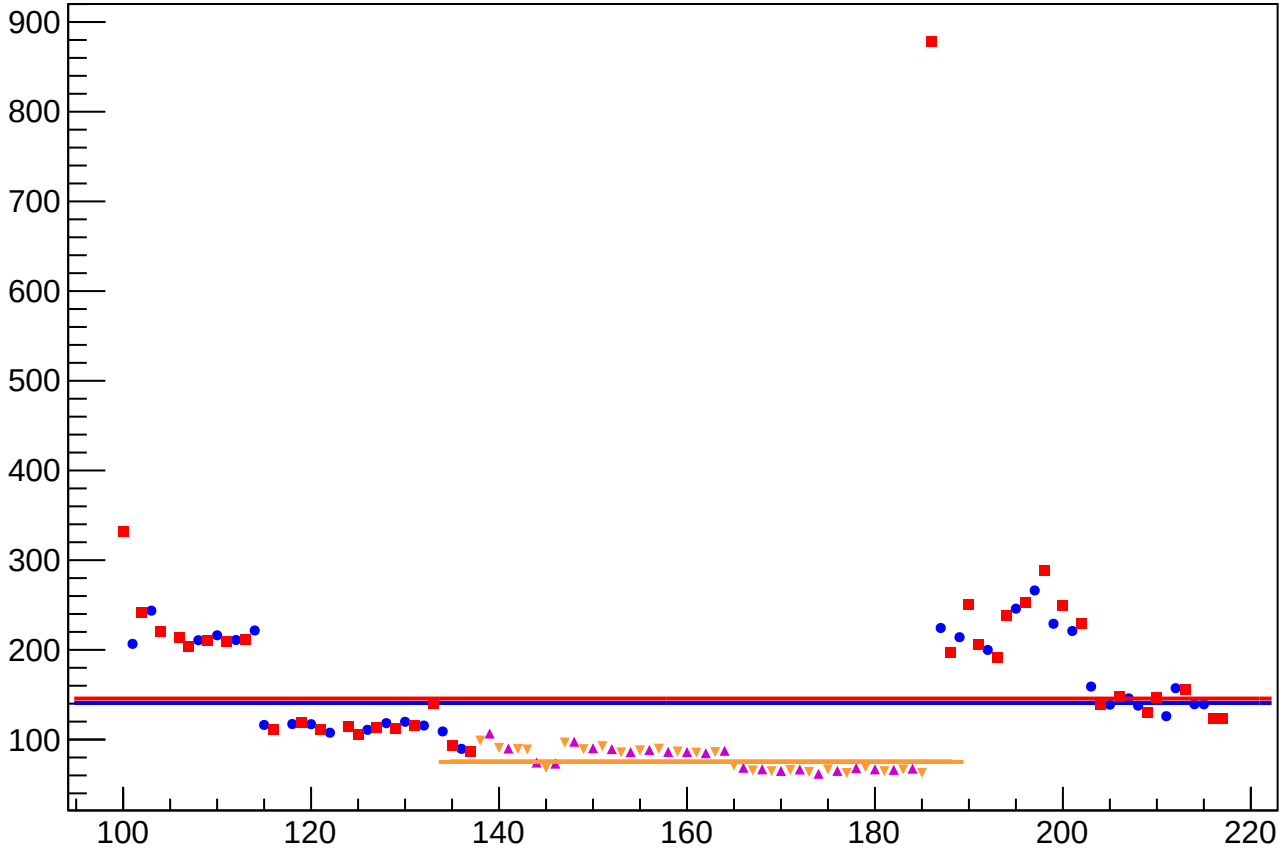
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 7.057+/-15.412 χ^2/NDF: 73.6/55

All: -18.736+/-11.047 χ^2/NDF: 156.6/114

- sign -45.994+/-15.843 χ^2/NDF: 77.2/58

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.765+/-0.024 χ^2/NDF: 3176976.7/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

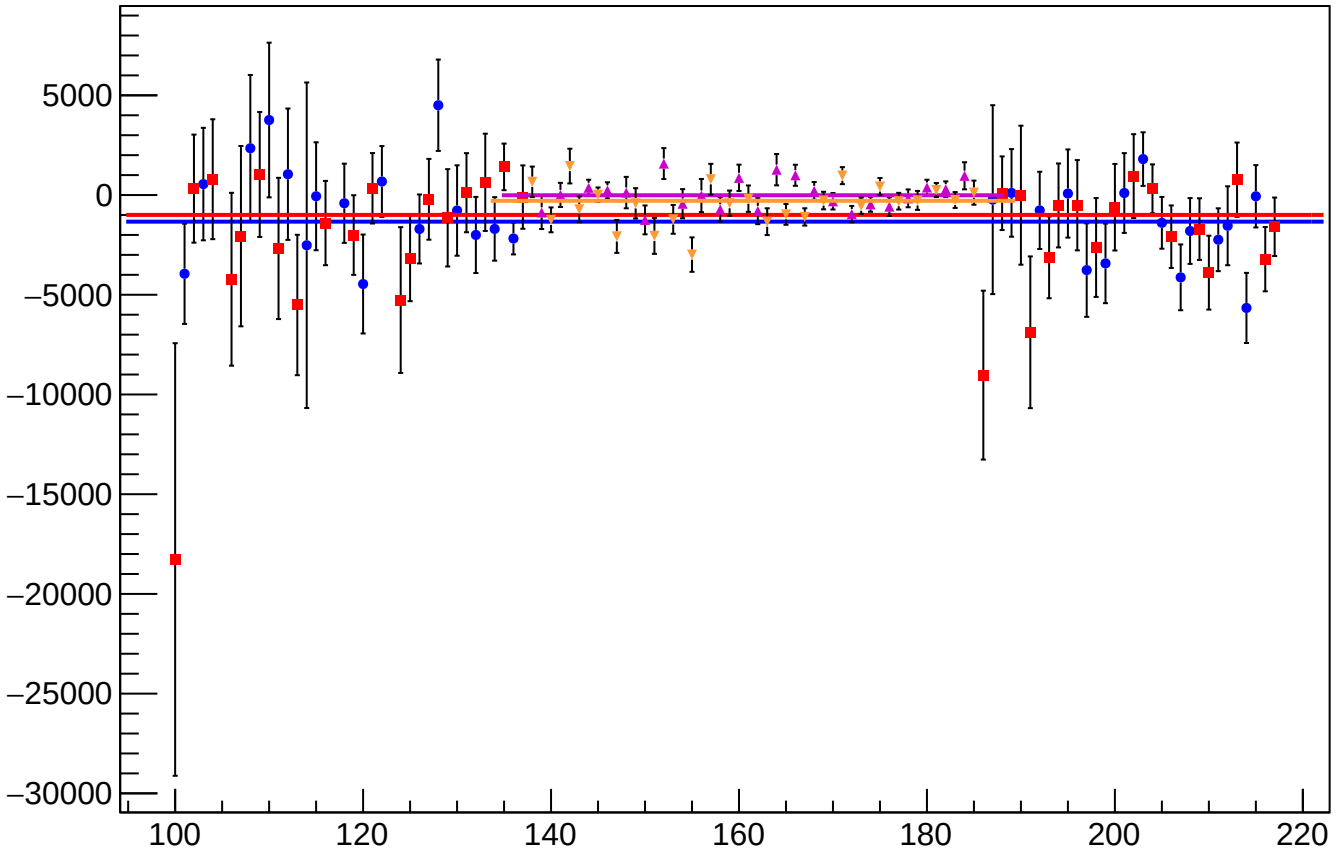
Right Out: 145.712+/-0.024 χ^2/NDF: 4349704.8/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.722+/-0.011 χ^2/NDF: 10100458.0/55

All: 89.569+/-0.008 χ^2/NDF: 21952514.7/114

- sign 90.464+/-0.011 χ^2/NDF: 11839647.0/58



Right In: -1333.605+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -995.711+/-345.966 χ^2/NDF: 31.0/35

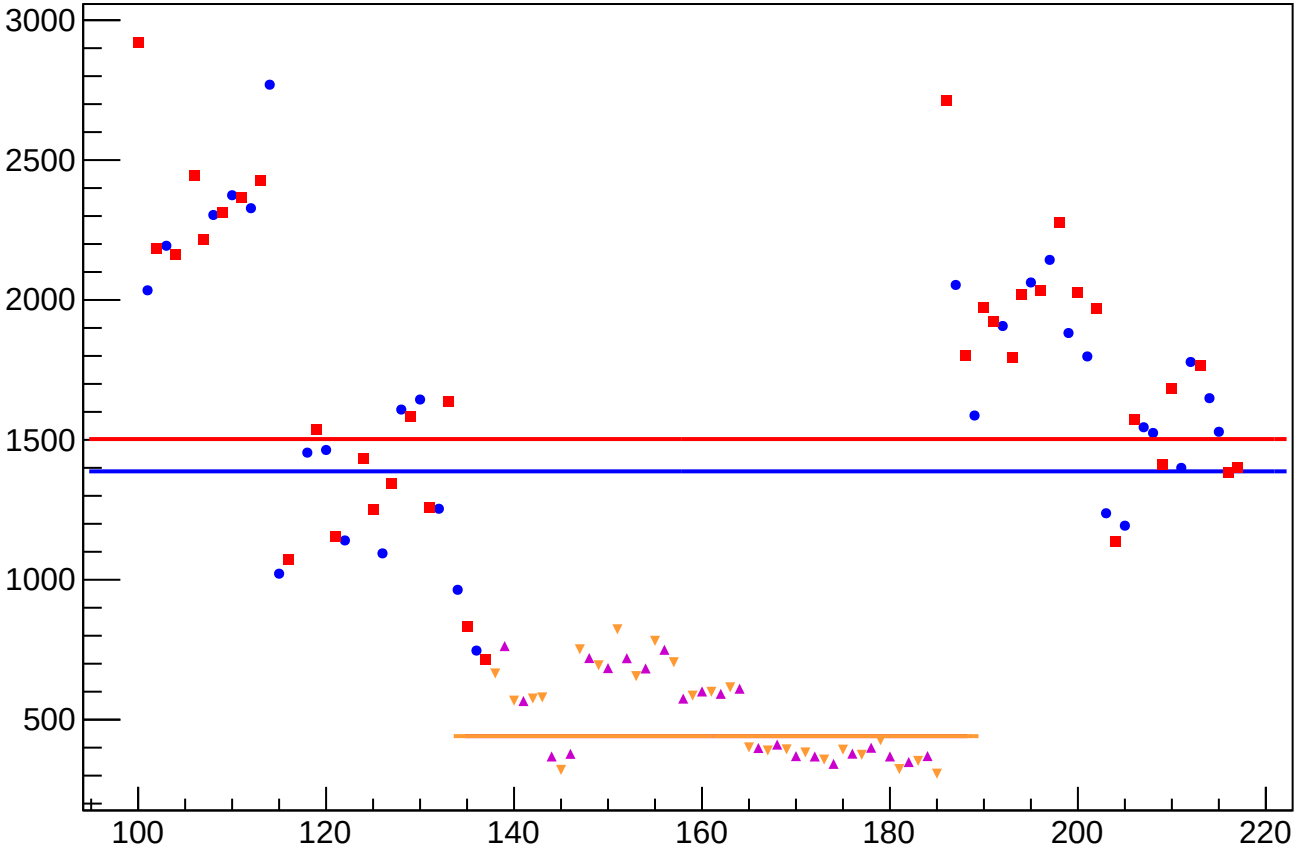
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

\+ sign -383.224+/-100.329 χ^2/NDF: 97.4/55

All: -243.907+/-71.803 χ^2/NDF: 173.1/114

\- sign -97.626+/-102.806 χ^2/NDF: 71.8/58

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1387.480+/-0.235 χ^2/NDF: 3433528.4/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.866+/-0.245 χ^2/NDF: 3407483.9/35

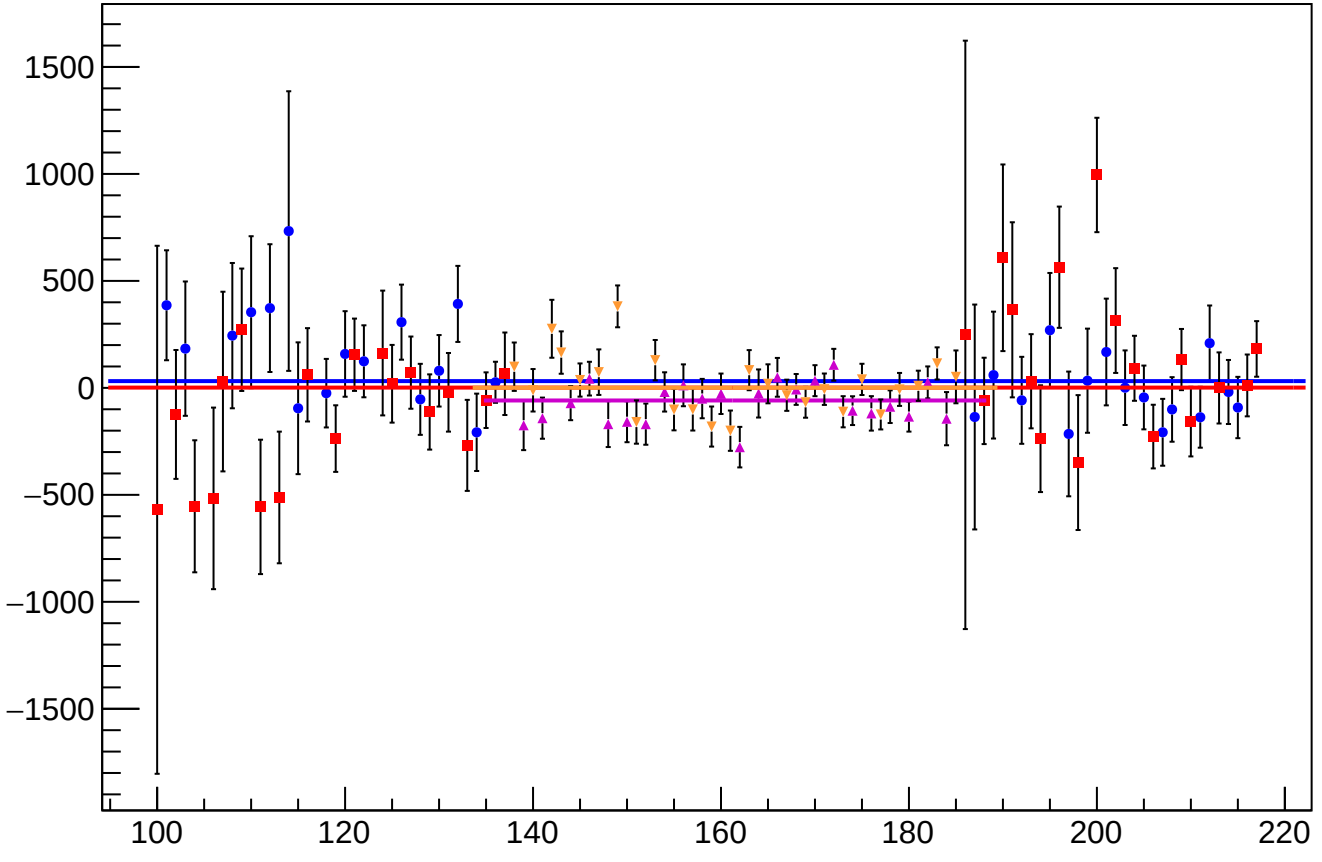
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

\+ sign 527.248+/-0.071 χ^2/NDF: 21387757.7/55

All: 531.002+/-0.051 χ^2/NDF: 44653915.5/11

\- sign 534.943+/-0.073 χ^2/NDF: 23260418.9/58

cor_asym_sam_26_avg_mean vs Slug



Right In: 31.617+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.325+/-34.187 χ^2/NDF: 48.9/35

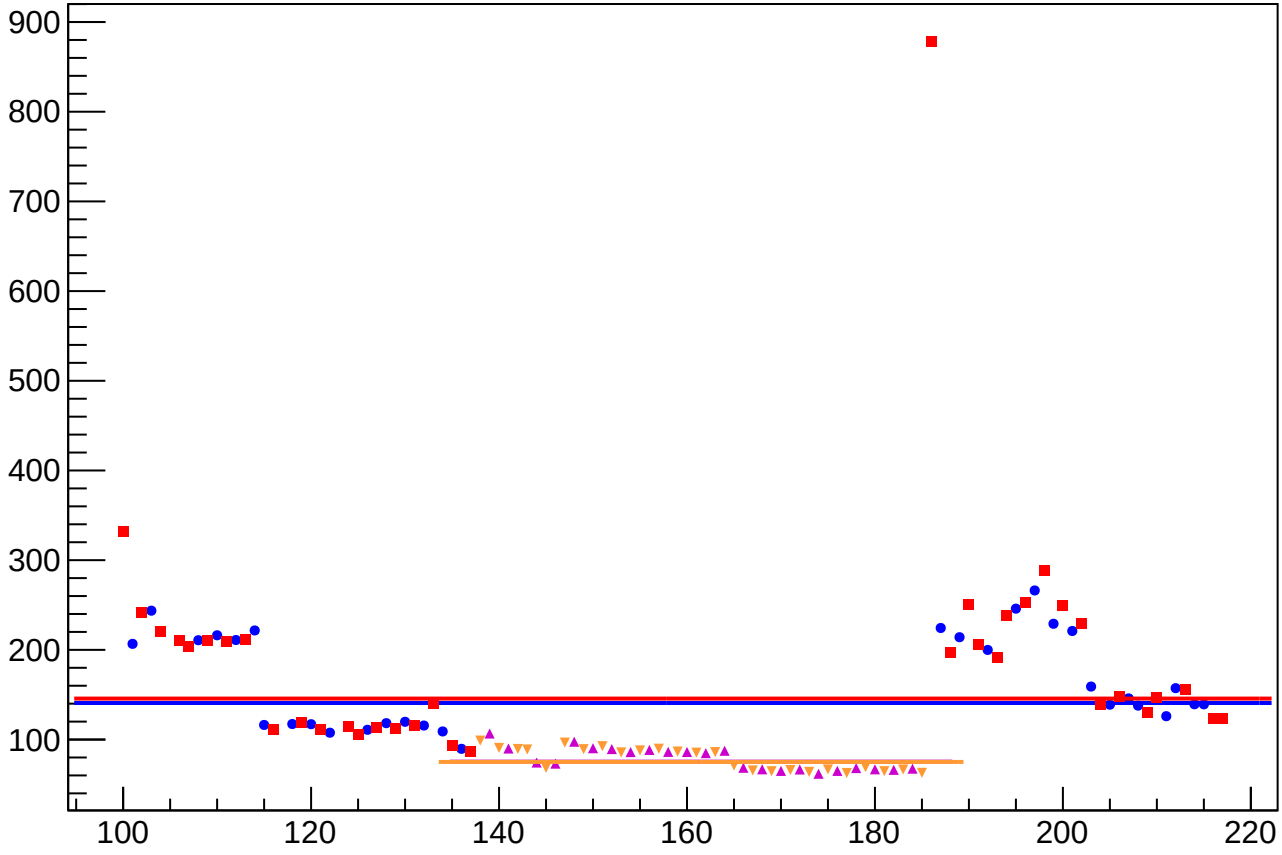
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 7.055+/-15.412 χ^2/NDF: 73.6/55

All: -18.725+/-11.047 χ^2/NDF: 156.5/114

- sign -45.969+/-15.843 χ^2/NDF: 77.2/58

cor_asym_sam_26_avg_rms vs Slug



Right In: 140.765+/-0.024 χ^2/NDF: 3176979.2/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

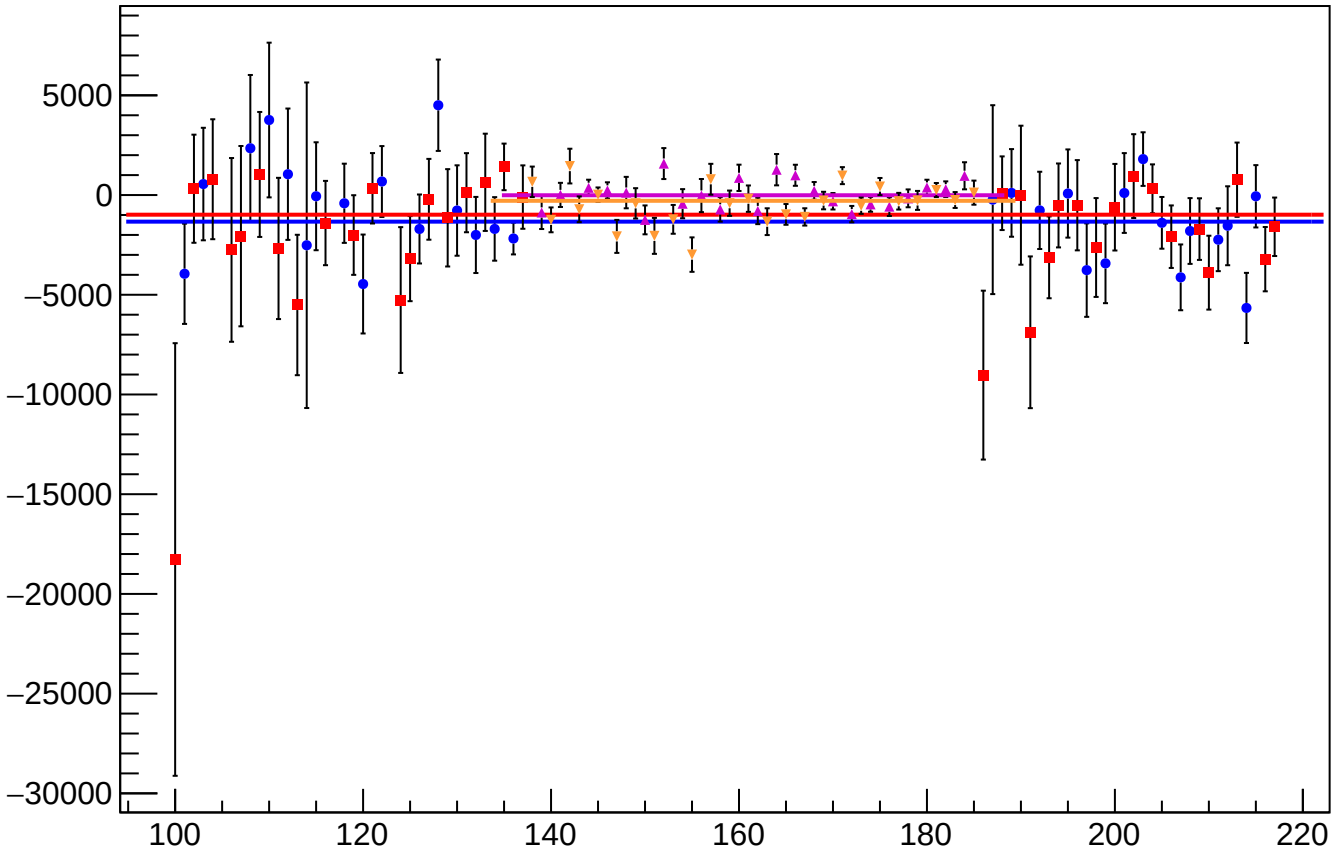
Right Out: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.722+/-0.011 χ^2/NDF: 10100460.0/55

All: 89.566+/-0.008 χ^2/NDF: 21943188.9/114

- sign 90.458+/-0.011 χ^2/NDF: 11830399.4/58



Right In: -1333.599+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -985.160+/-346.097 χ^2/NDF: 30.5/35

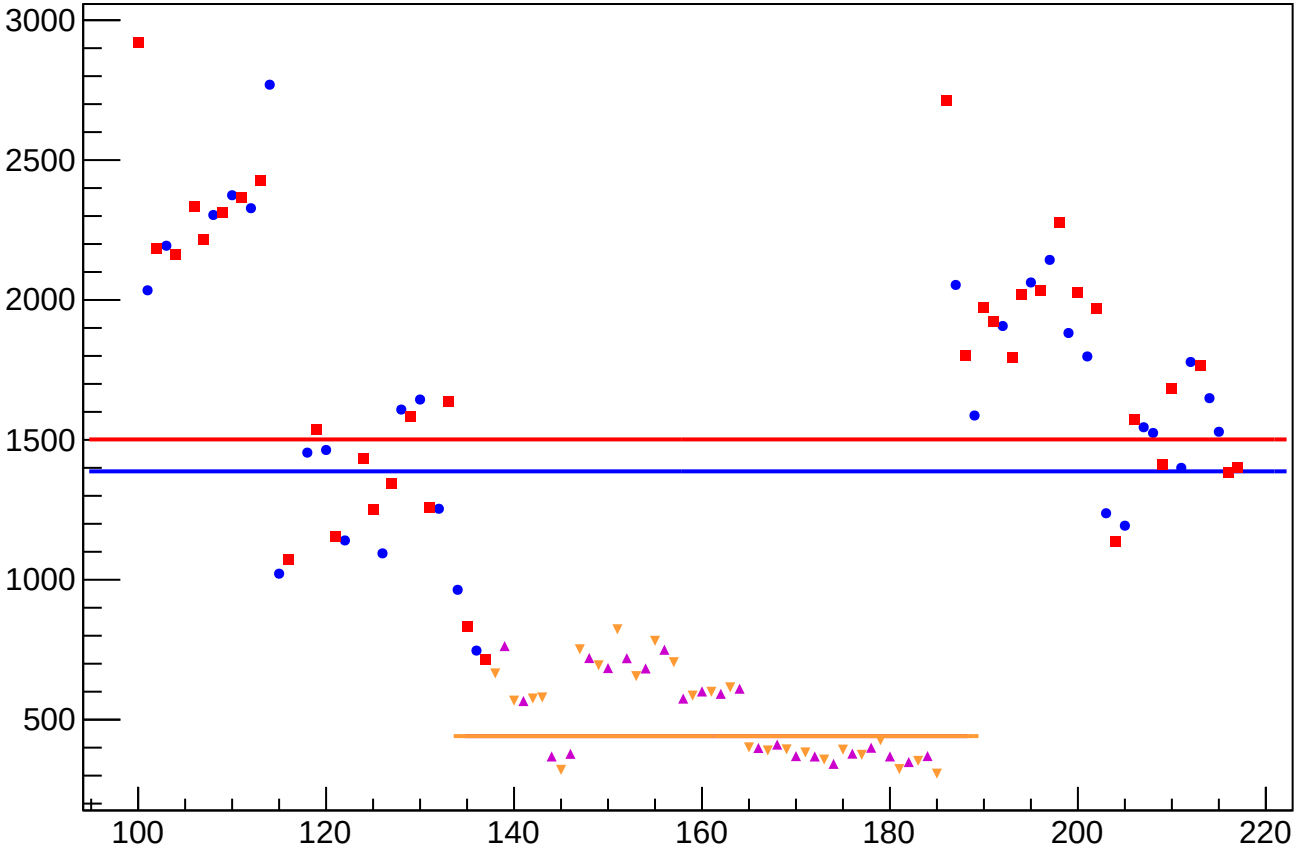
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -383.223+/-100.329 χ^2/NDF: 97.4/55

All: -243.429+/-71.804 χ^2/NDF: 172.6/114

- sign -96.637+/-102.809 χ^2/NDF: 71.2/58

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1387.481+/-0.235 χ^2/NDF: 3433558.9/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

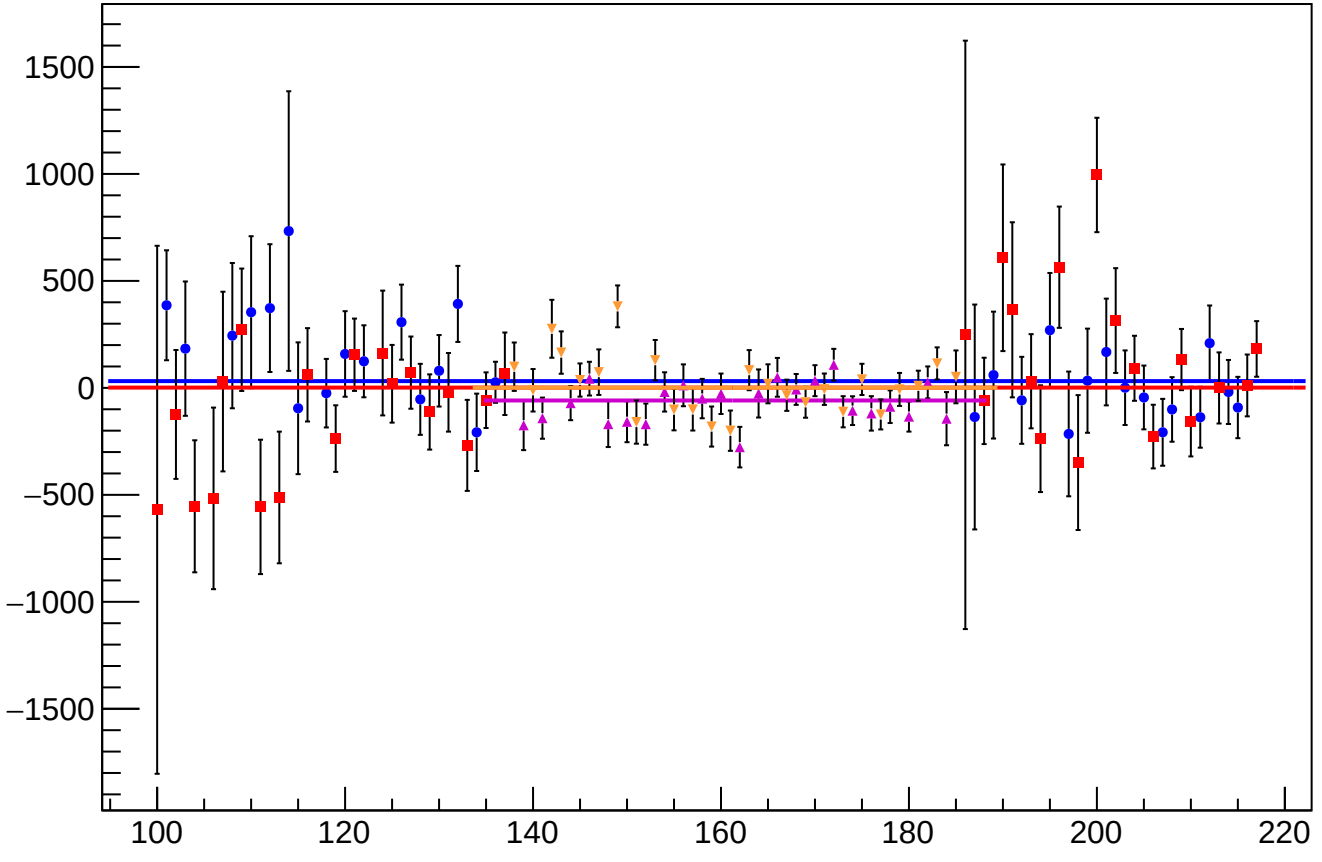
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 527.248+/-0.071 χ^2/NDF: 21387766.0/55

All: 530.915+/-0.051 χ^2/NDF: 44571143.5/11

- sign 534.764+/-0.073 χ^2/NDF: 23177902.0/58

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 31.617+/-33.779 χ^2/NDF: 24.3/30

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 1.325+/-34.187 χ^2/NDF: 48.9/35

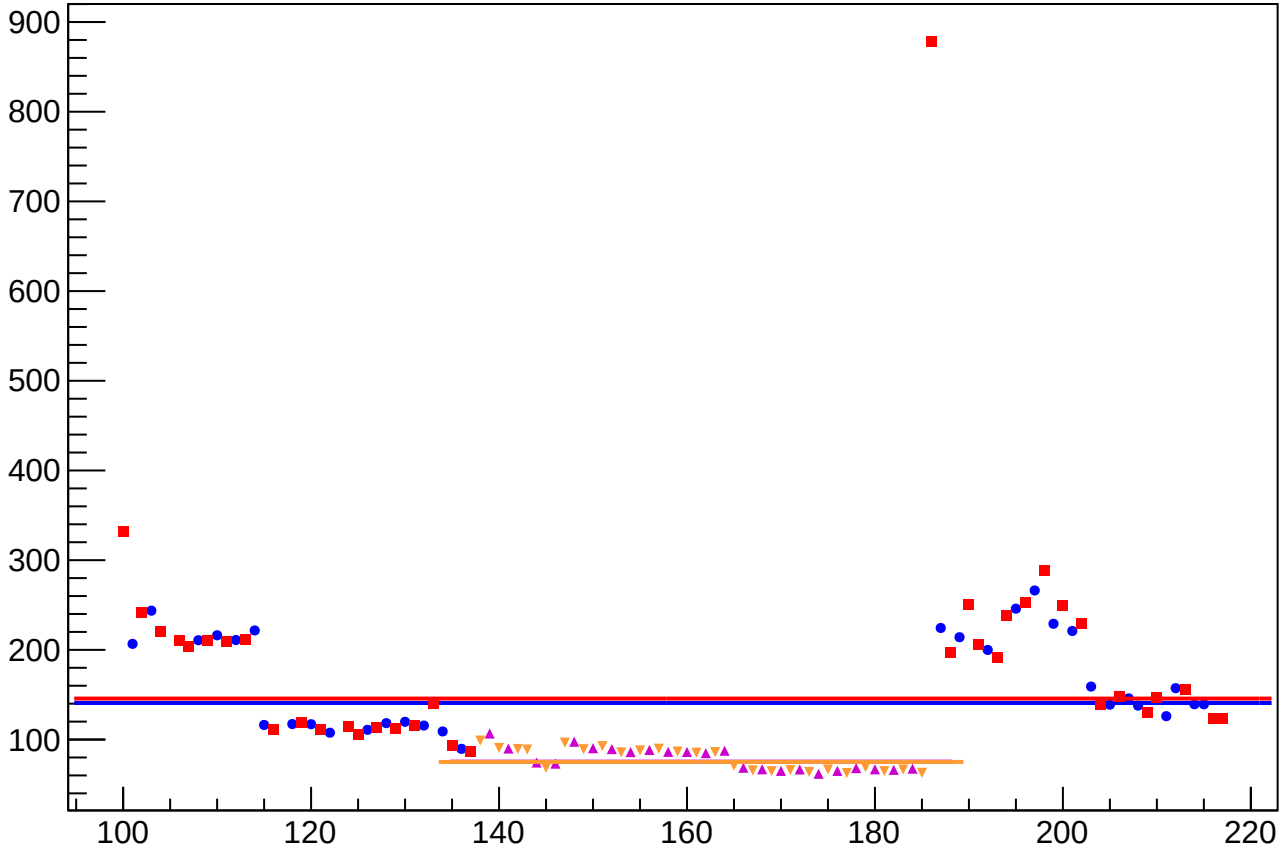
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 7.055+/-15.412 χ^2/NDF: 73.6/55

All: -18.725+/-11.047 χ^2/NDF: 156.5/114

- sign -45.969+/-15.843 χ^2/NDF: 77.2/58

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 140.765+/-0.024 χ^2/NDF: 3176979.2/30

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

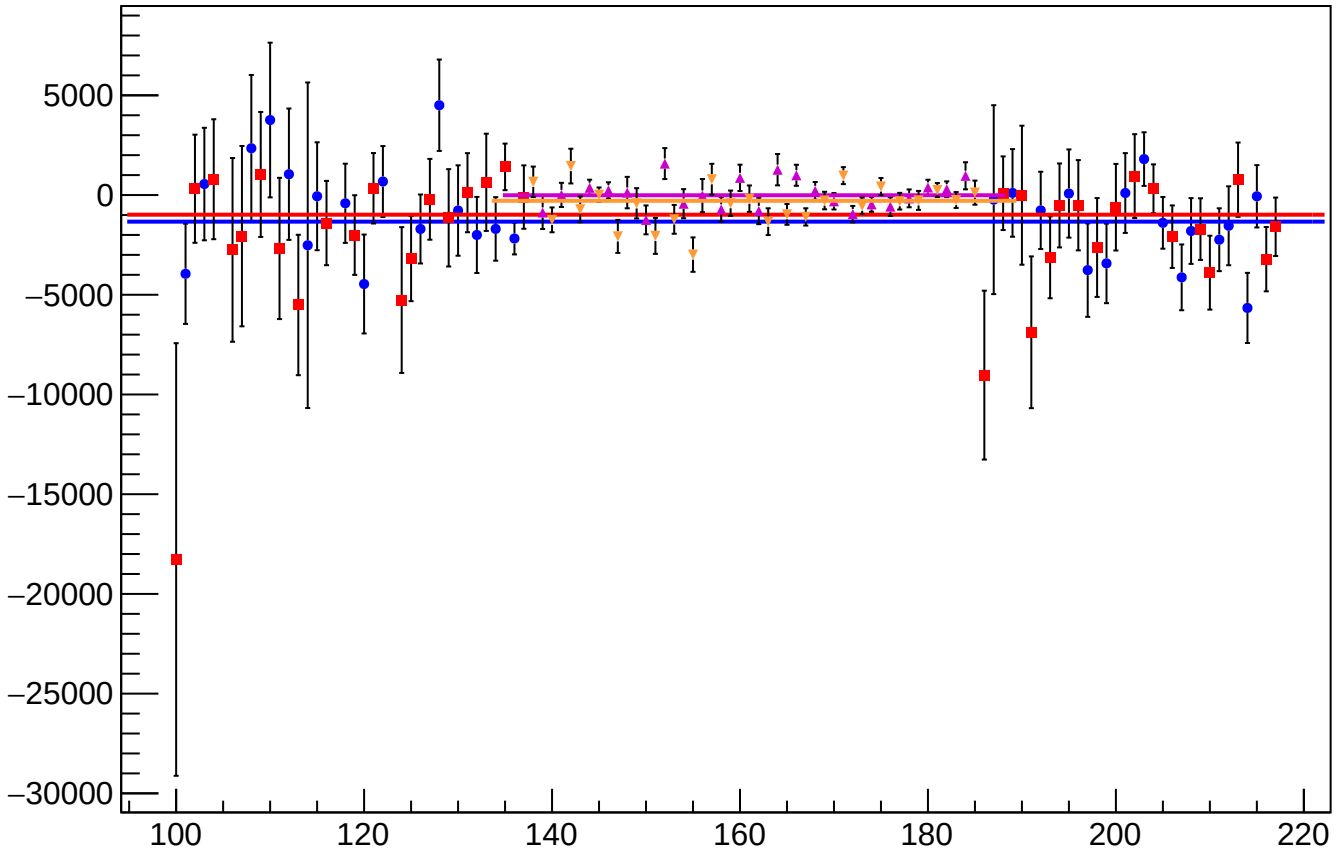
Right Out: 145.689+/-0.024 χ^2/NDF: 4345098.9/35

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.722+/-0.011 χ^2/NDF: 10100460.0/55

All: 89.566+/-0.008 χ^2/NDF: 21943188.9/114

- sign 90.458+/-0.011 χ^2/NDF: 11830399.4/58



Right In: -1333.599+/-332.584 χ^2/NDF: 35.1/30

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

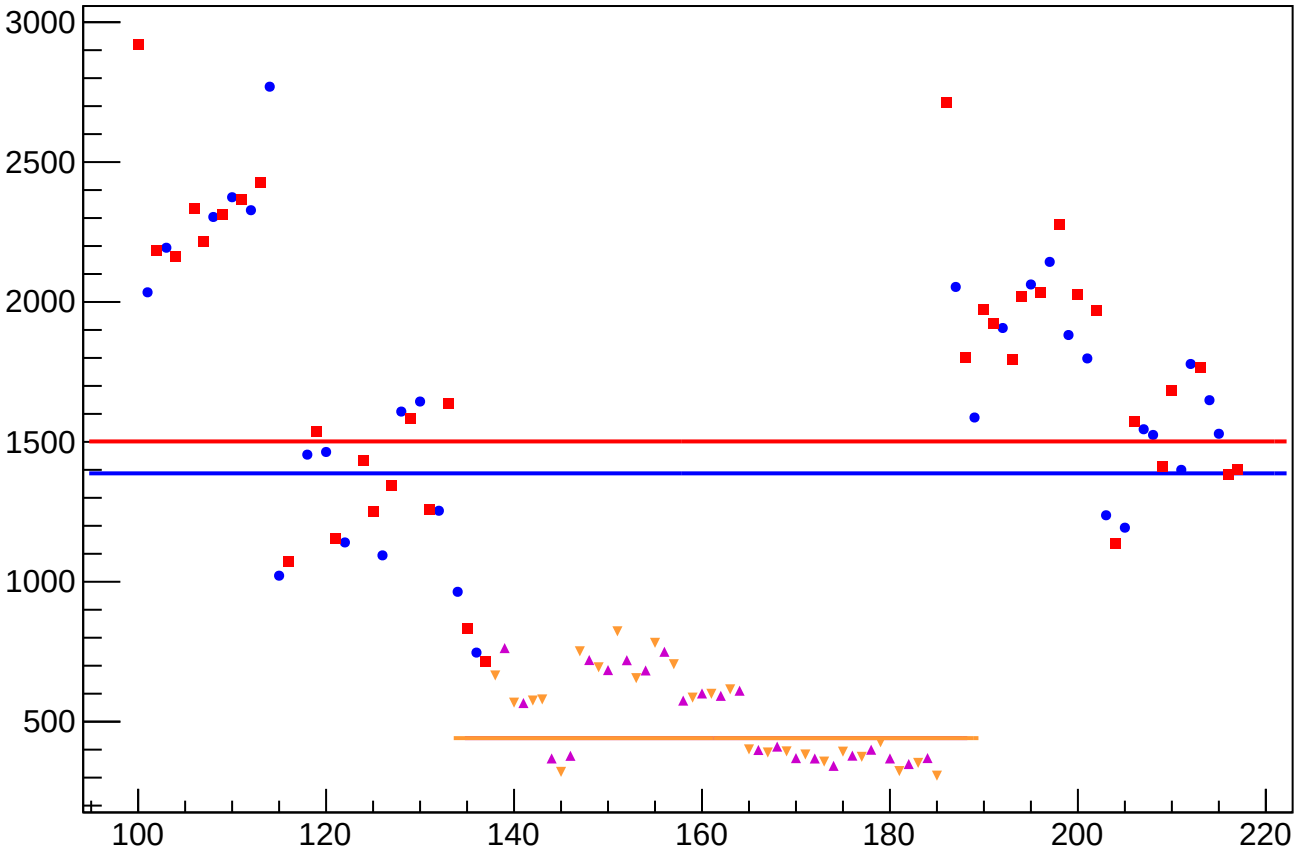
Right Out: -985.160+/-346.097 χ^2/NDF: 30.5/35

Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -383.223+/-100.329 χ^2/NDF: 97.4/55

All: -243.429+/-71.804 χ^2/NDF: 172.6/114

- sign -96.637+/-102.809 χ^2/NDF: 71.2/58



Right In: 1387.481+/-0.235 χ^2/NDF: 3433558.9/30

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.568+/-0.245 χ^2/NDF: 3378679.8/35

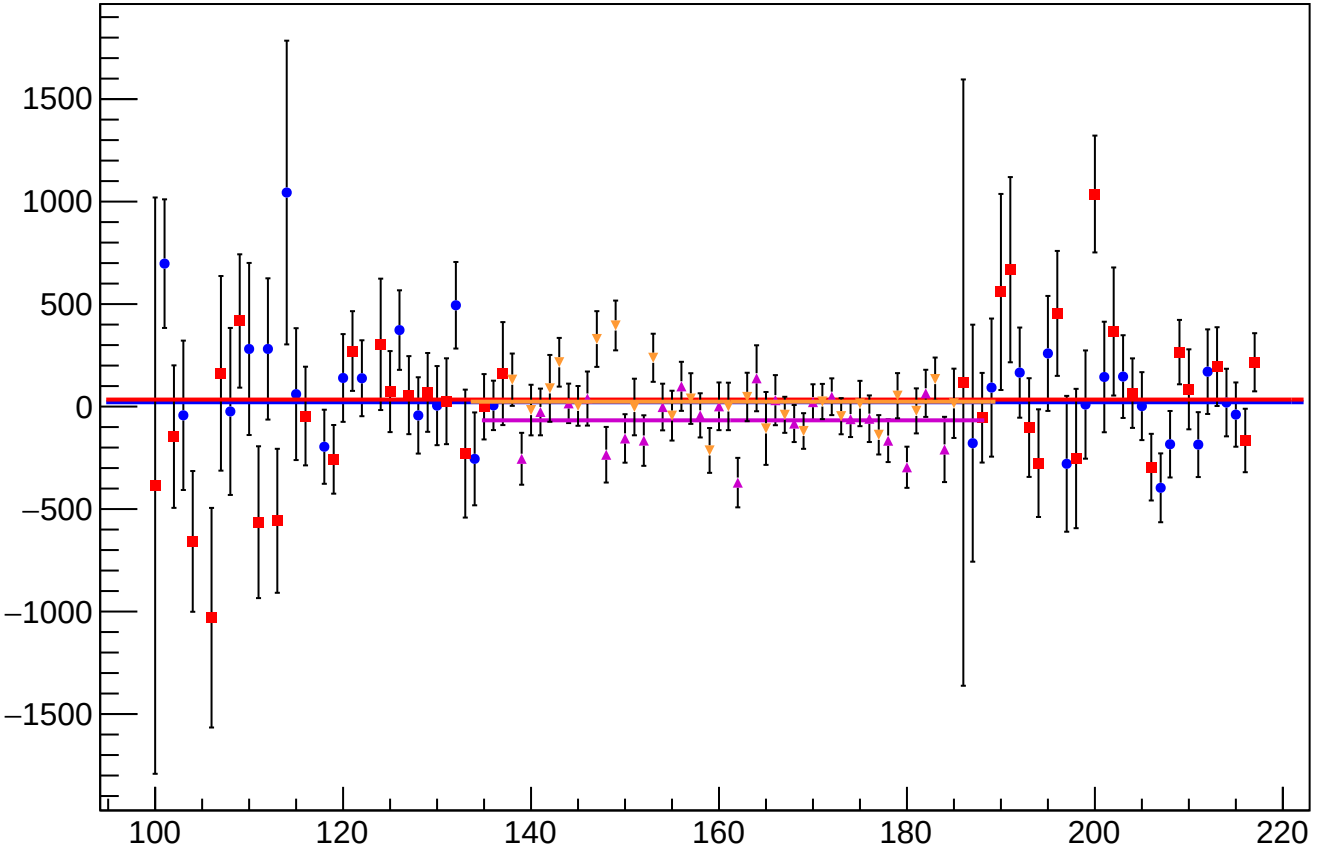
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 527.248+/-0.071 χ^2/NDF: 21387766.0/55

All: 530.915+/-0.051 χ^2/NDF: 44571143.5/11

- sign 534.764+/-0.073 χ^2/NDF: 23177902.0/58

dit_asym_sam_26_avg_mean vs Slug



Right In: 21.117+/-38.305 χ^2/NDF: 32.5/30

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 34.223+/-38.636 χ^2/NDF: 53.3/35

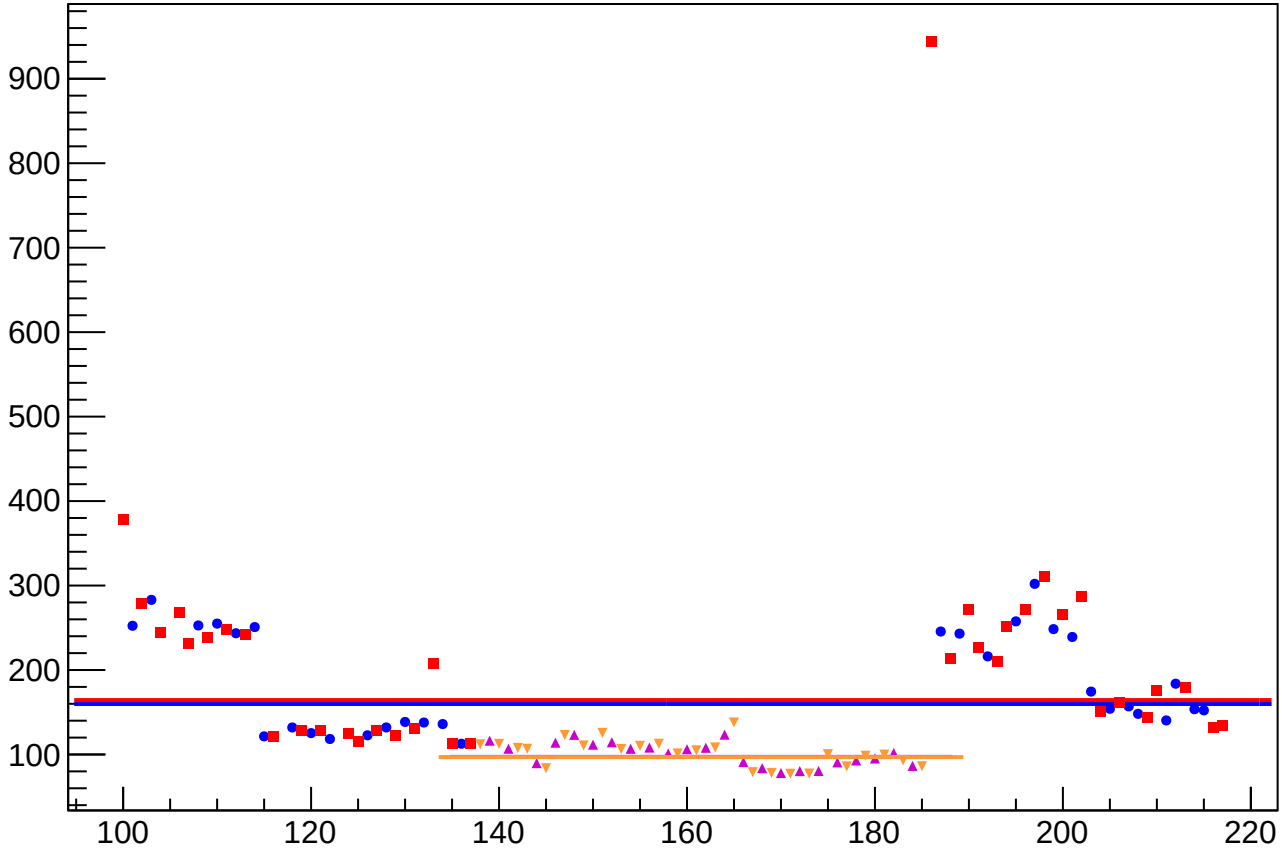
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 23.170+/-19.345 χ^2/NDF: 67.7/55

All: -7.799+/-13.851 χ^2/NDF: 160.0/114

- sign -40.372+/-19.840 χ^2/NDF: 87.0/58

dit_asym_sam_26_avg_rms vs Slug



Right In: 159.823+/-0.027 χ^2/NDF: 2873379.0/30

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

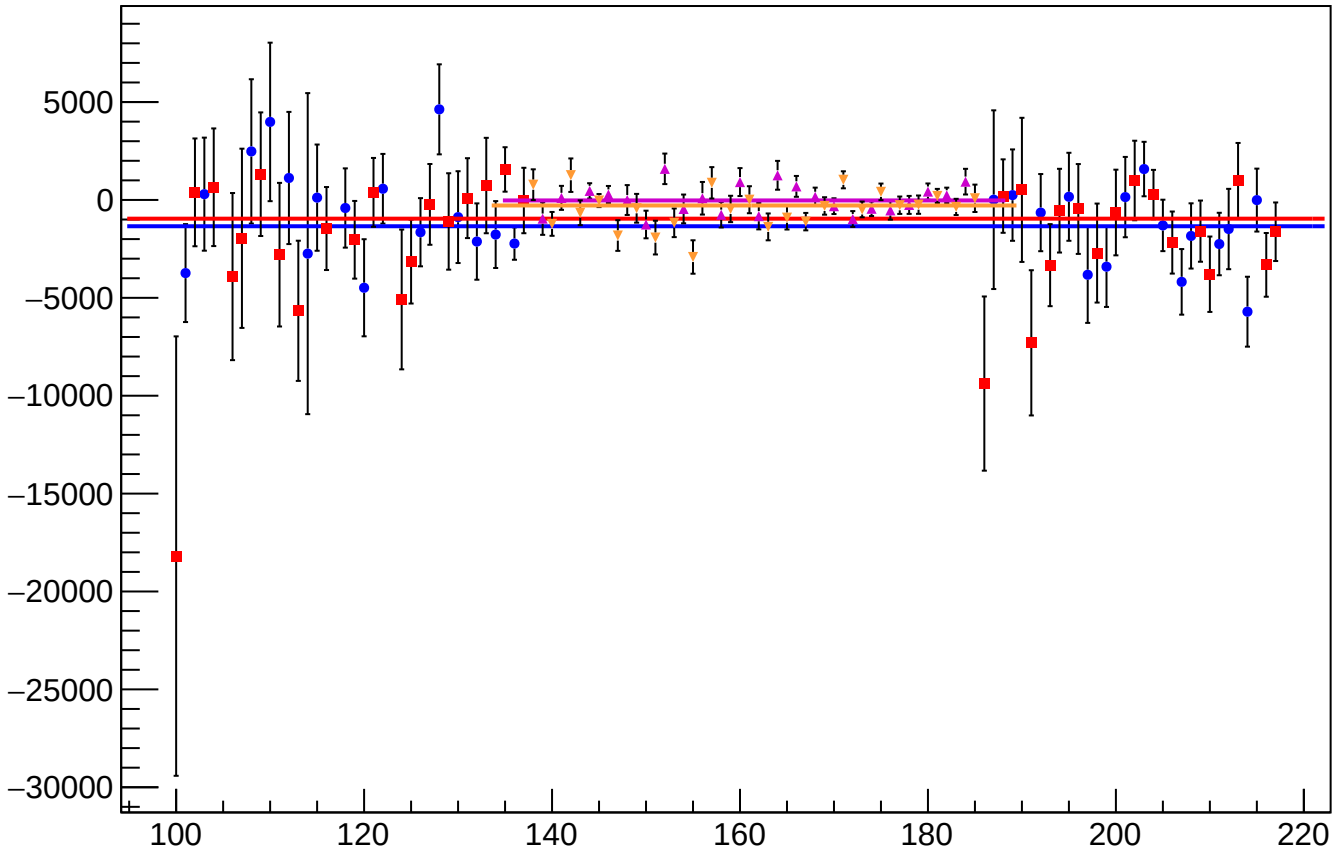
Right Out: 164.412+/-0.027 χ^2/NDF: 4217505.3/35

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 112.955+/-0.014 χ^2/NDF: 7826683.7/55

All: 113.902+/-0.010 χ^2/NDF: 17189548.5/11

- sign 114.899+/-0.014 χ^2/NDF: 9353017.9/58



Right In: -1343.593+/-340.765 χ^2/NDF: 34.1/30

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -956.539+/-349.858 χ^2/NDF: 32.4/35

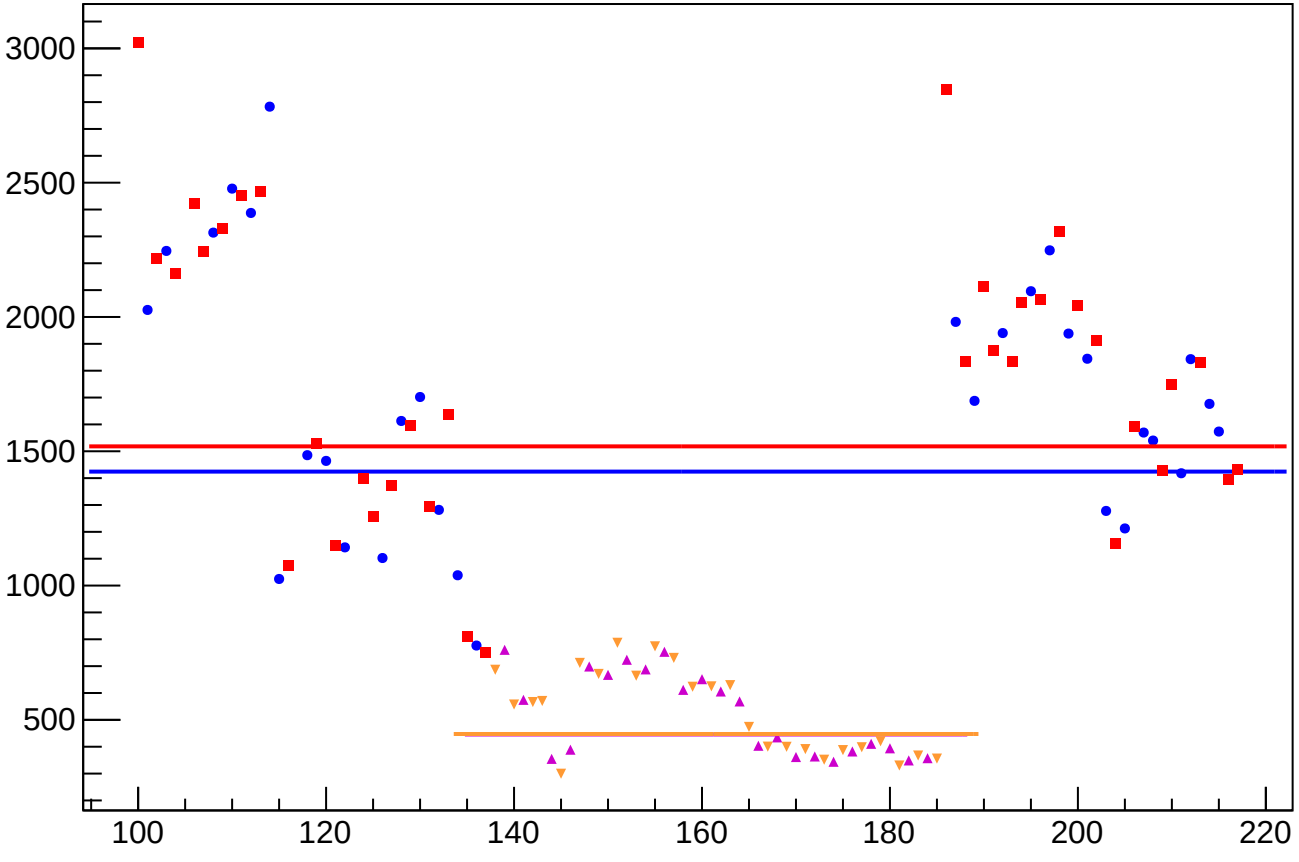
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -376.679+/-101.559 χ^2/NDF: 93.4/55

All: -244.956+/-72.649 χ^2/NDF: 168.6/114

- sign -106.919+/-103.965 χ^2/NDF: 71.8/58

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1424.304+/-0.241 χ^2/NDF: 3333755.1/30

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1518.255+/-0.247 χ^2/NDF: 3499158.6/35

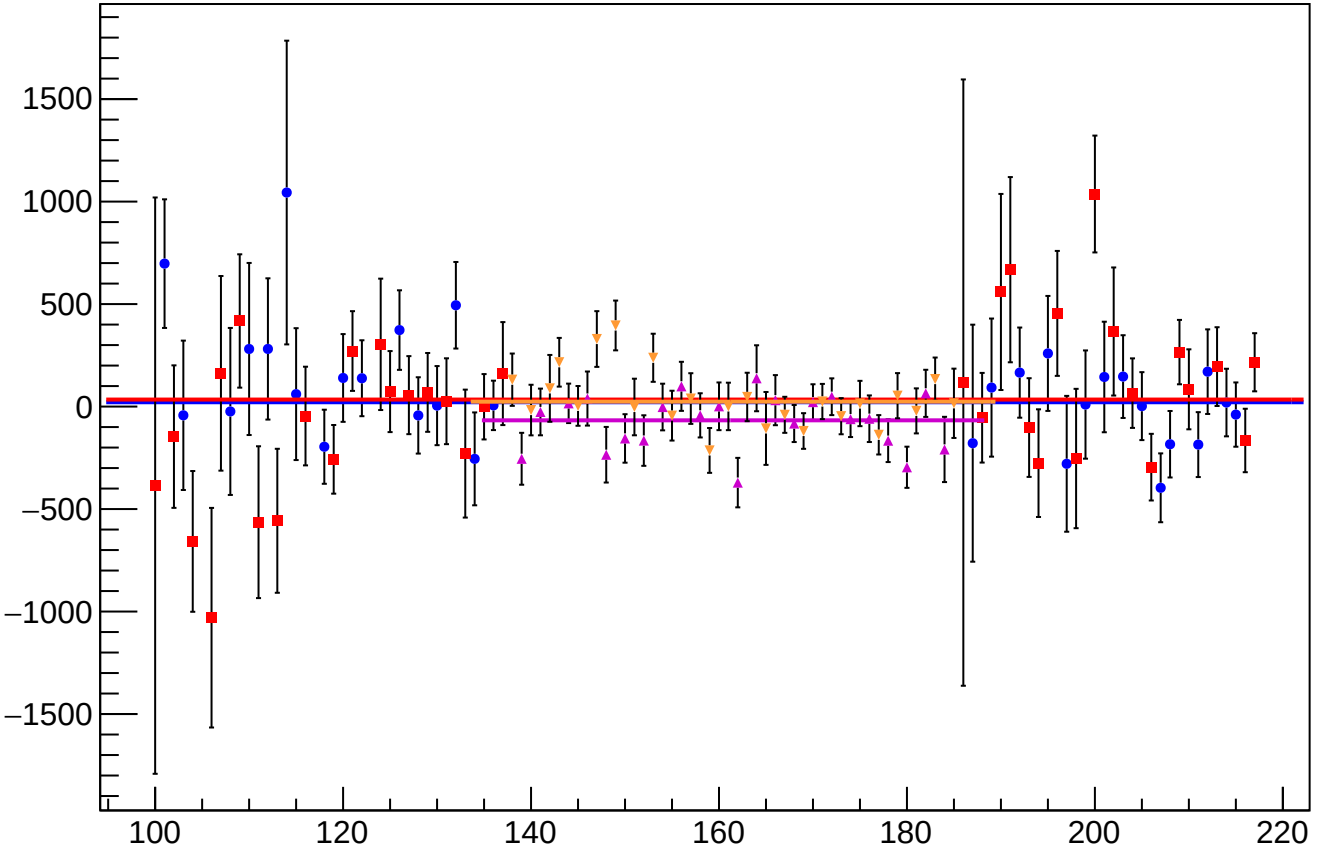
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 534.159+/-0.072 χ^2/NDF: 21508985.5/55

All: 537.120+/-0.051 χ^2/NDF: 44868549.6/11

- sign 540.223+/-0.074 χ^2/NDF: 23356082.8/58

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 21.120+/-38.305 χ^2/NDF: 32.5/30

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 34.224+/-38.636 χ^2/NDF: 53.3/35

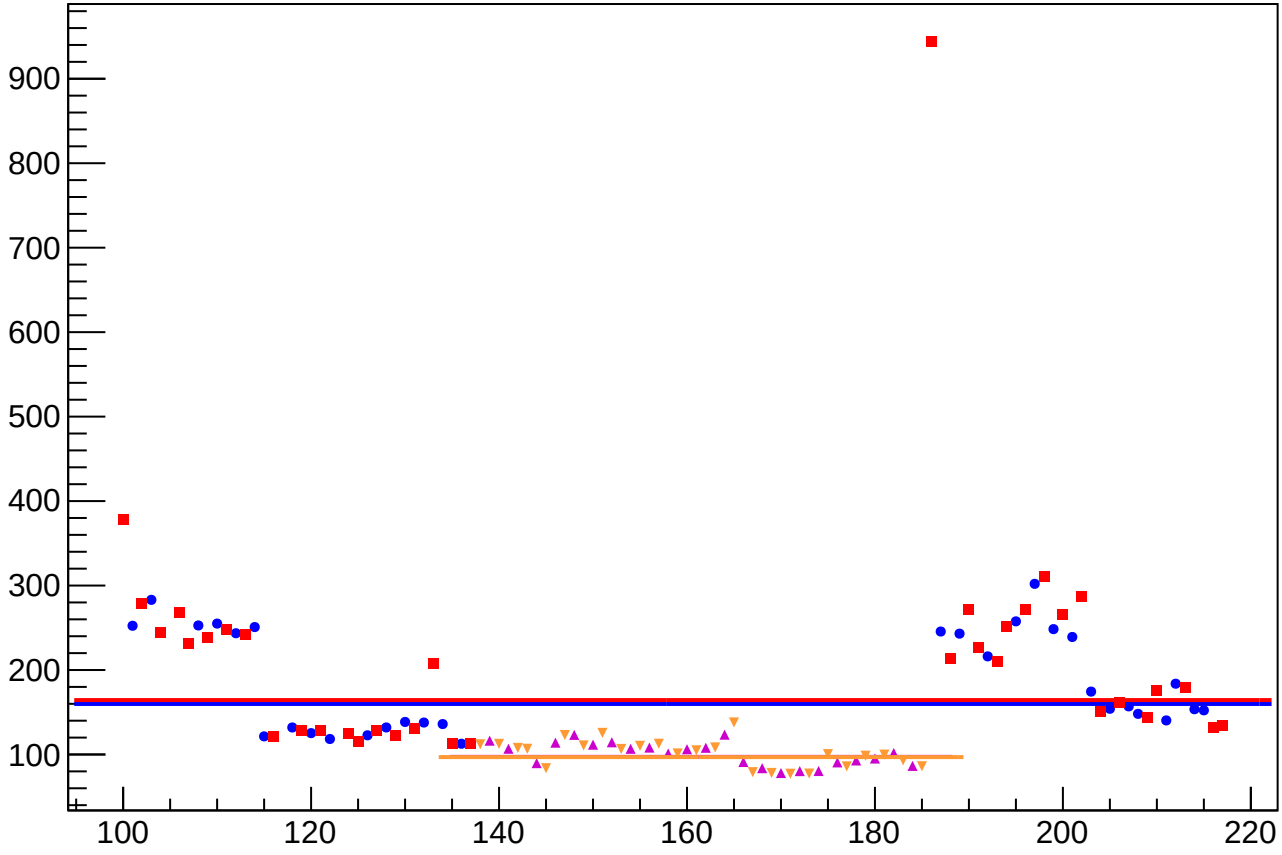
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 23.170+/-19.346 χ^2/NDF: 67.7/55

All: -7.799+/-13.851 χ^2/NDF: 160.0/114

- sign -40.371+/-19.840 χ^2/NDF: 87.0/58

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 159.822+/-0.027 χ^2/NDF: 2873389.7/30

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

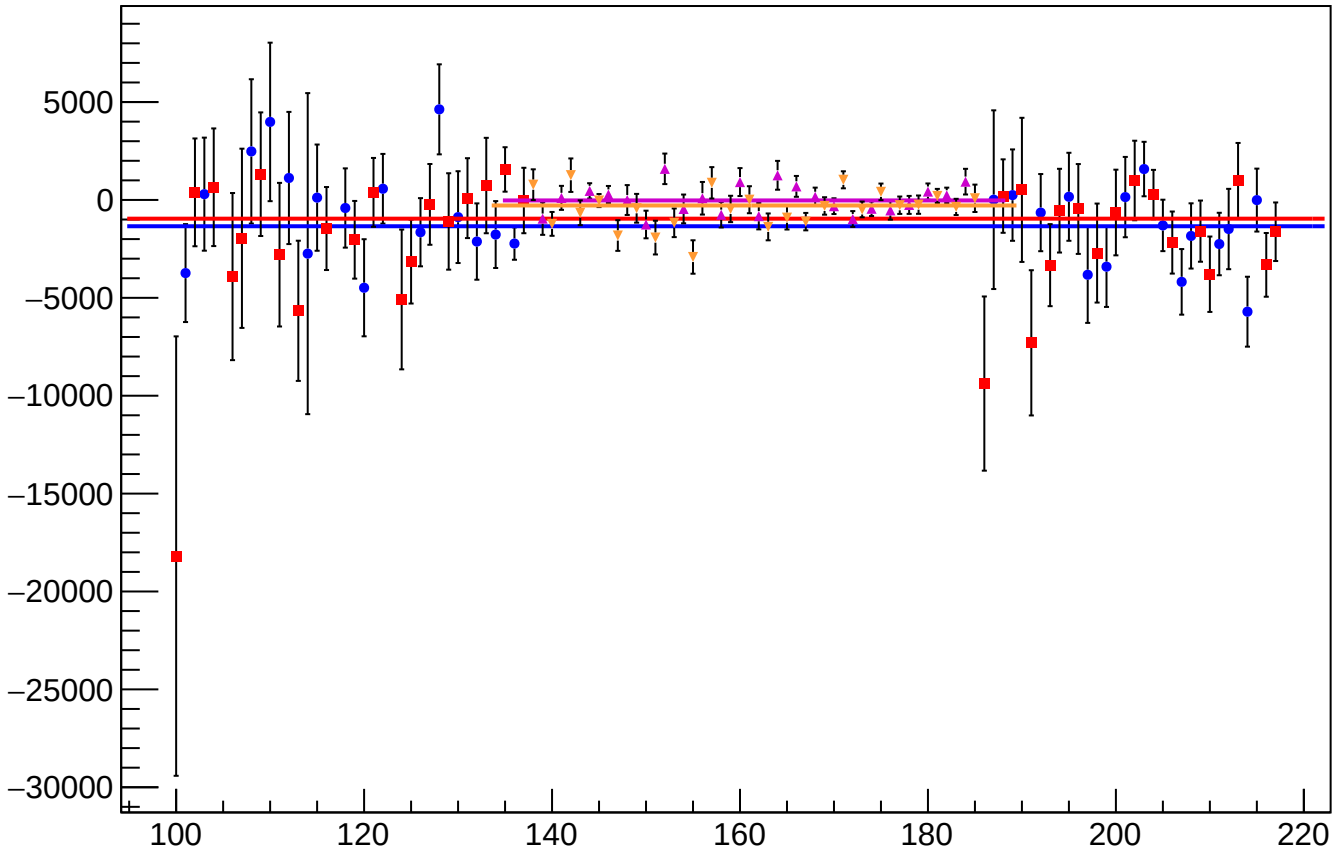
Right Out: 164.412+/-0.027 χ^2/NDF: 4217507.7/35

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 112.955+/-0.014 χ^2/NDF: 7826613.9/55

All: 113.903+/-0.010 χ^2/NDF: 17189394.3/11

- sign 114.899+/-0.014 χ^2/NDF: 9352932.3/58



Right In: -1343.591+/-340.765 χ^2/NDF: 34.1/30

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

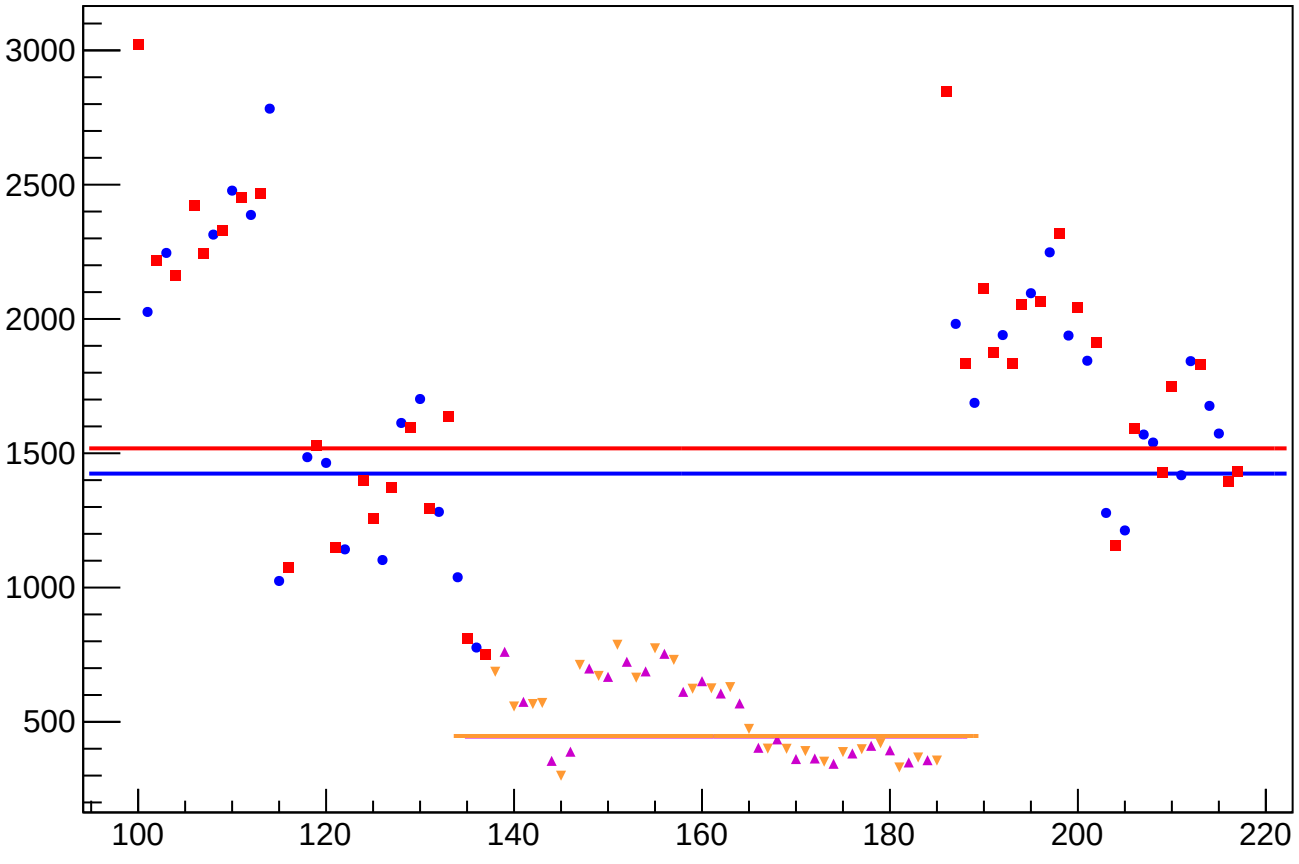
Right Out: -956.539+/-349.858 χ^2/NDF: 32.4/35

Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -376.678+/-101.559 χ^2/NDF: 93.4/55

All: -244.956+/-72.649 χ^2/NDF: 168.6/114

- sign -106.919+/-103.965 χ^2/NDF: 71.8/58



Right In: 1424.304+/-0.241 χ^2/NDF: 3333735.4/30

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1518.255+/-0.247 χ^2/NDF: 3499140.4/35

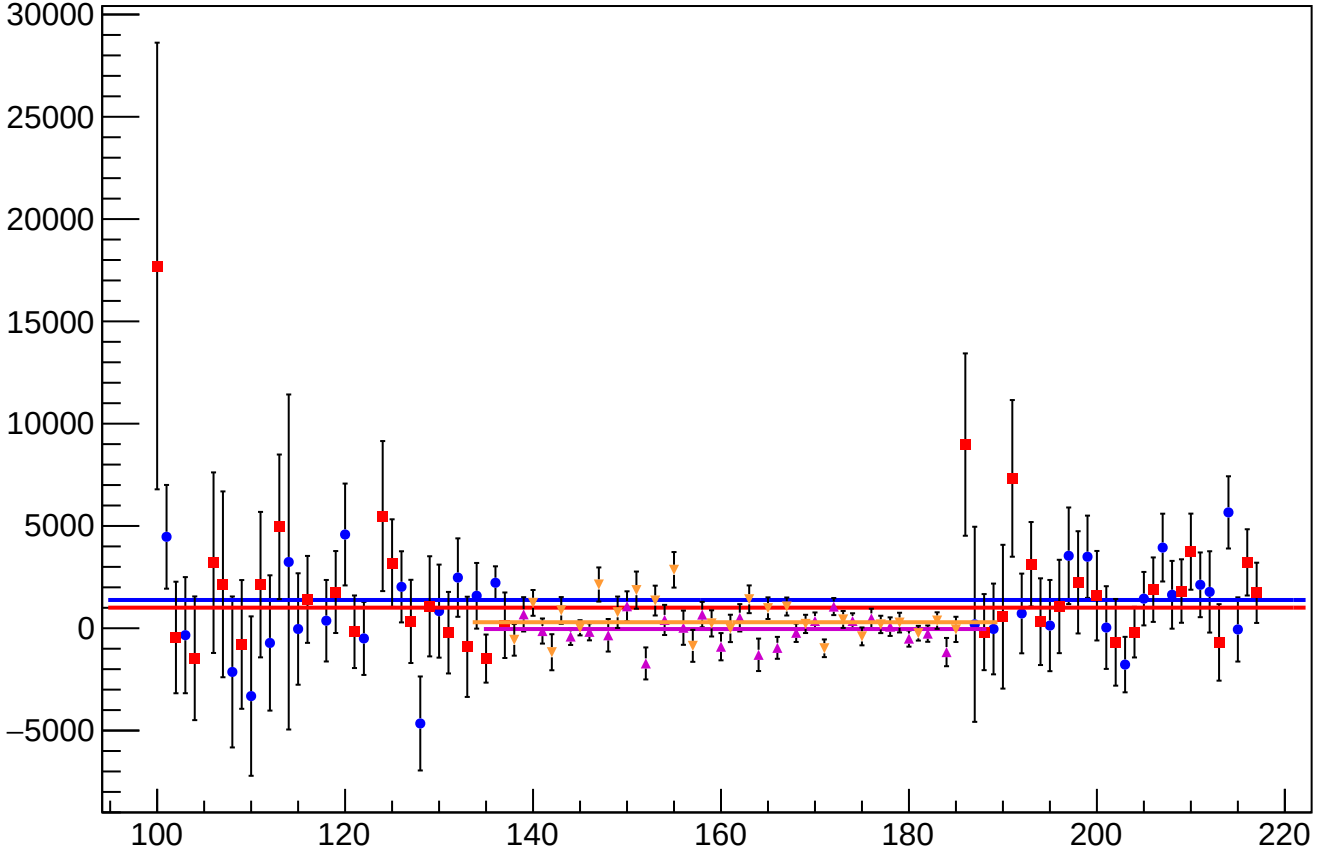
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 534.158+/-0.072 χ^2/NDF: 21509014.8/55

All: 537.119+/-0.051 χ^2/NDF: 44868594.8/11

- sign 540.222+/-0.074 χ^2/NDF: 23356098.5/58

asym_sam_26_avg_mean vs Slug



Right In: 1381.844+/-334.712 χ^2/NDF: 34.6/30

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 1007.020+/-348.042 χ^2/NDF: 29.4/35

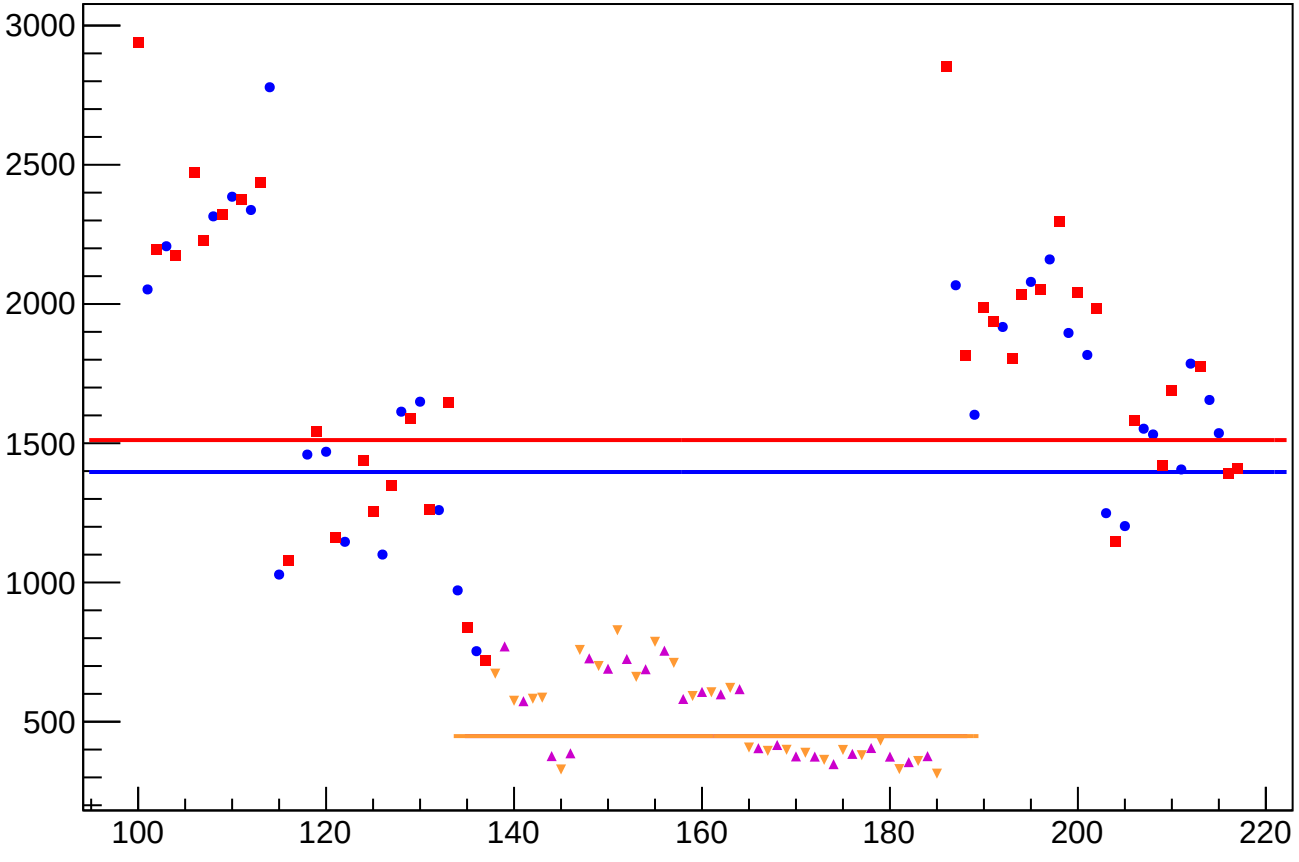
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 395.452+/-101.754 χ^2/NDF: 94.7/55

All: 229.778+/-72.832 χ^2/NDF: 170.6/114

- sign 55.738+/-104.292 χ^2/NDF: 70.5/58

asym_sam_26_avg_rms vs Slug



Right In: 1396.724+/-0.237 χ^2/NDF: 3417774.4/30

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

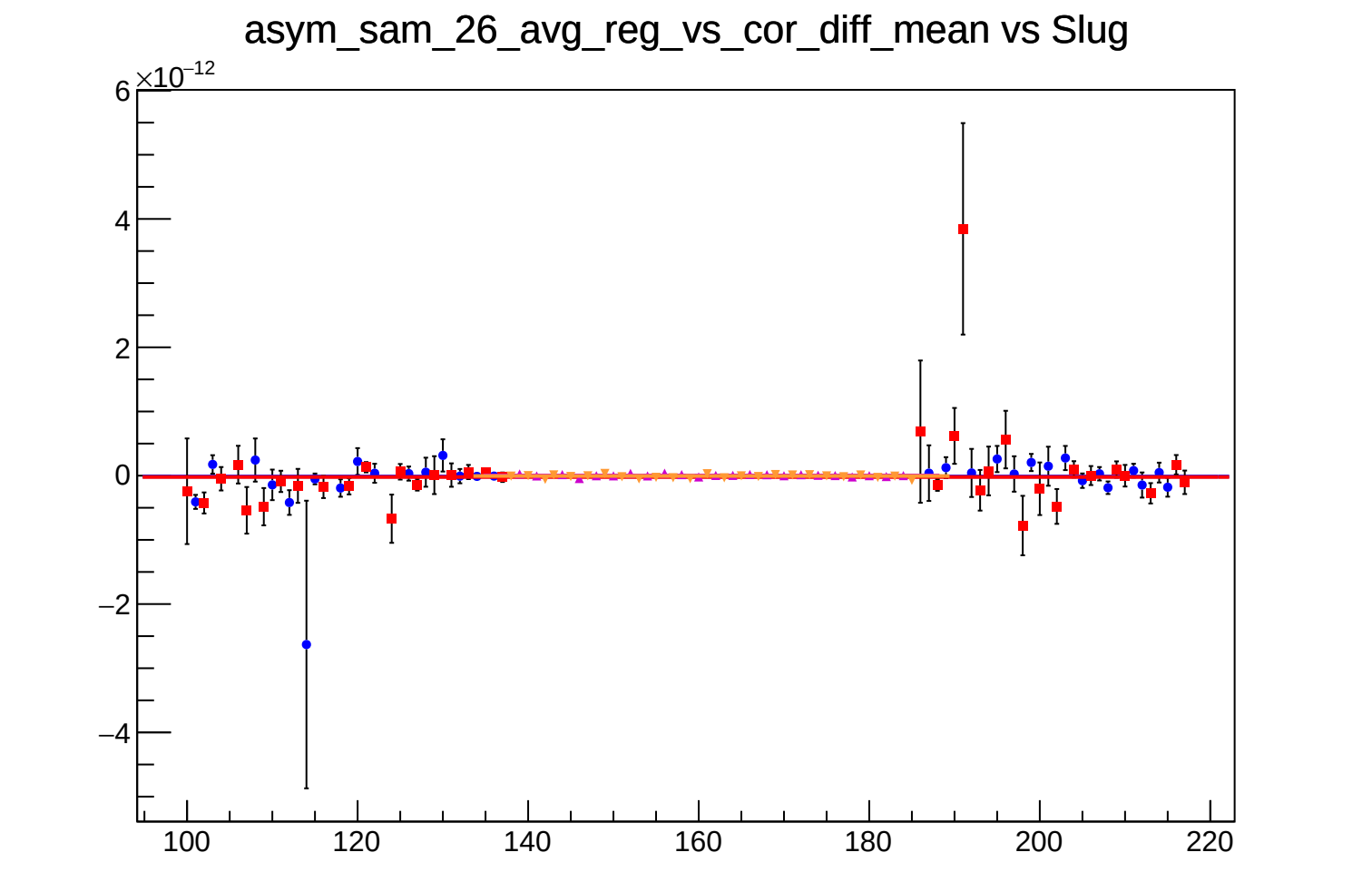
Right Out: 1511.384+/-0.246 χ^2/NDF: 3426771.7/35

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 535.933+/-0.072 χ^2/NDF: 21149310.7/55

All: 539.792+/-0.051 χ^2/NDF: 44183732.8/11

- sign 543.845+/-0.074 χ^2/NDF: 23028525.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

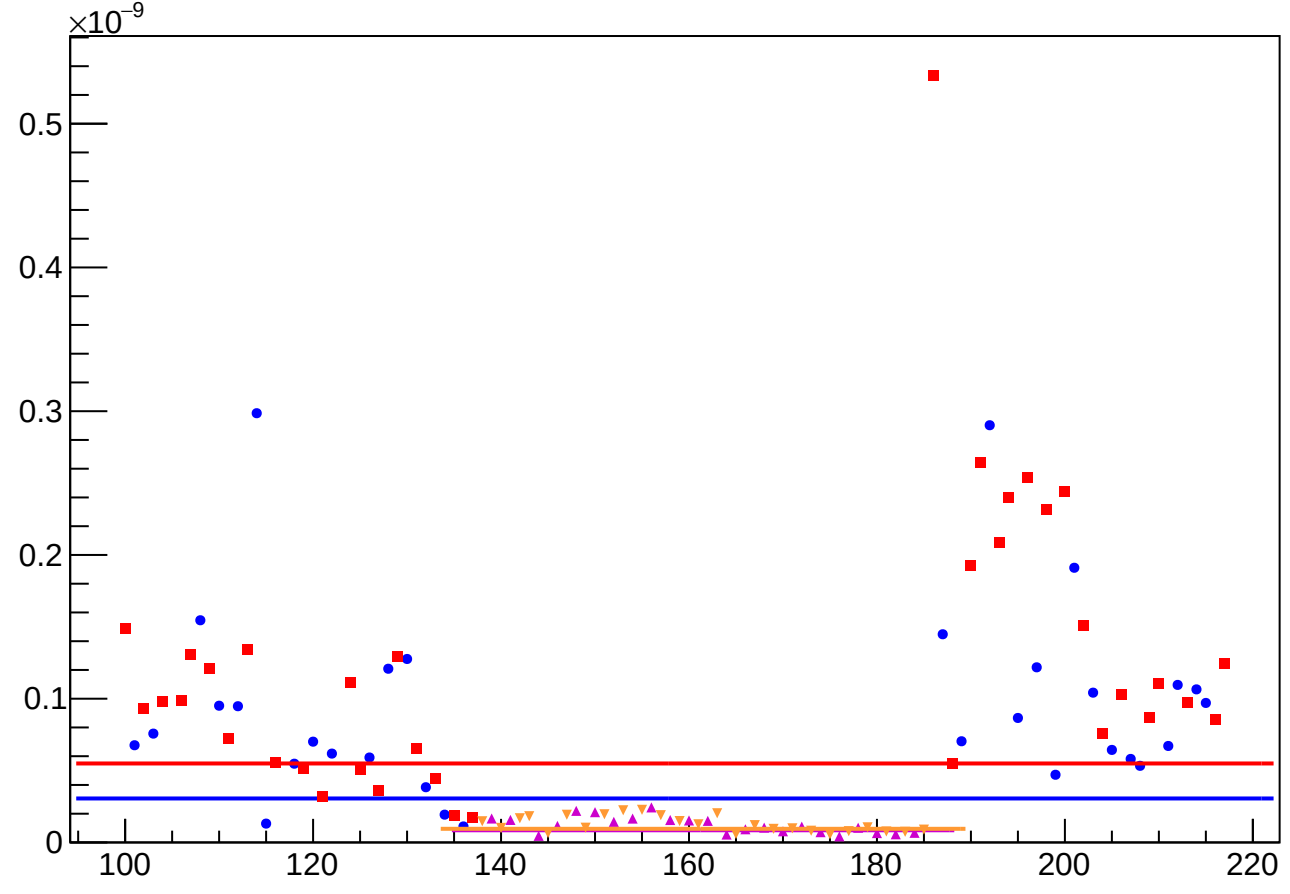
Right Out: -0.000+/-0.000 χ^2/NDF: 49.7/35

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/55

All: -0.000+/-0.000 χ^2/NDF: 134.5/114

- sign 0.000+/-0.000 χ^2/NDF: 67.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 8320180.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780437.8/35

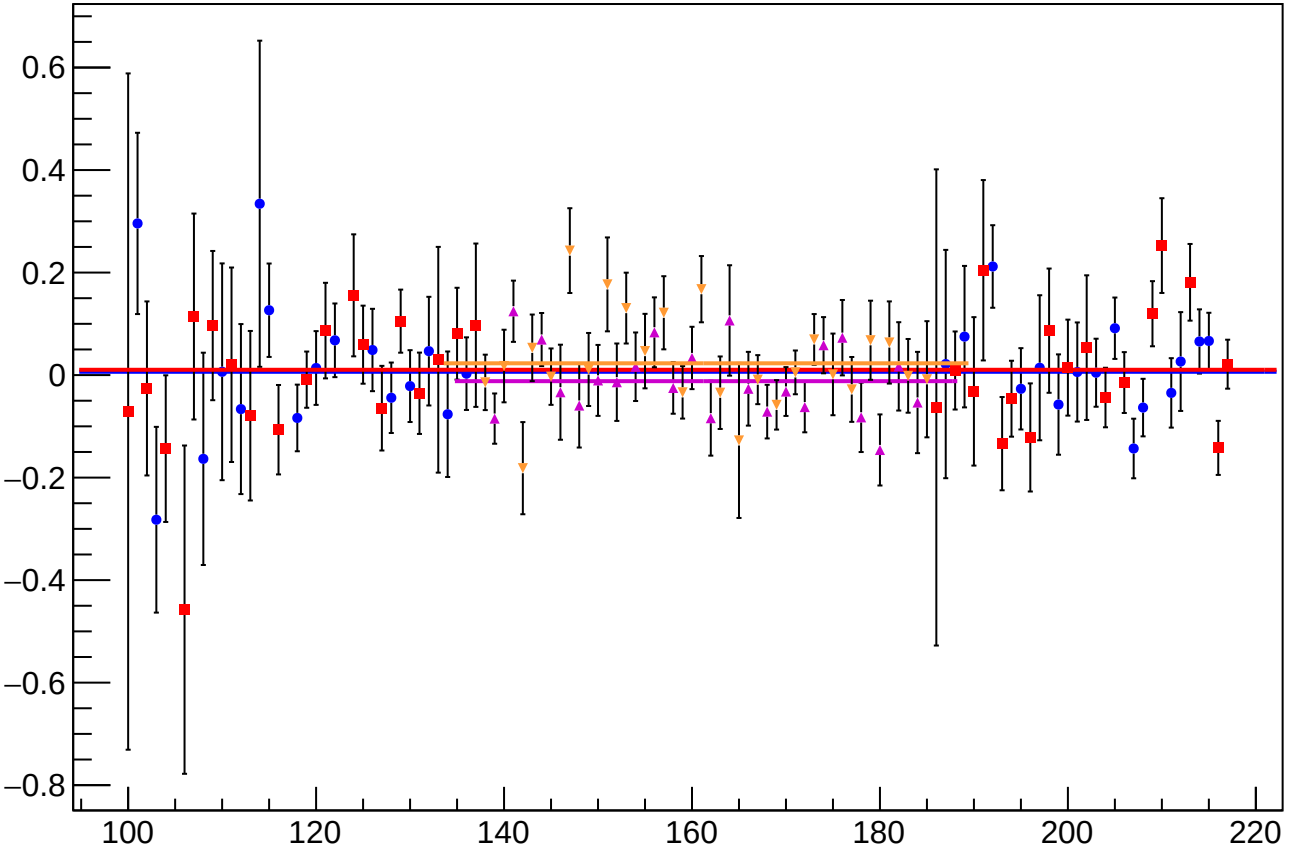
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13951200.2/55

All: 0.000+/-0.000 χ^2/NDF: 31158686.0/114

- sign 0.000+/-0.000 χ^2/NDF: 17136371.8/58

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

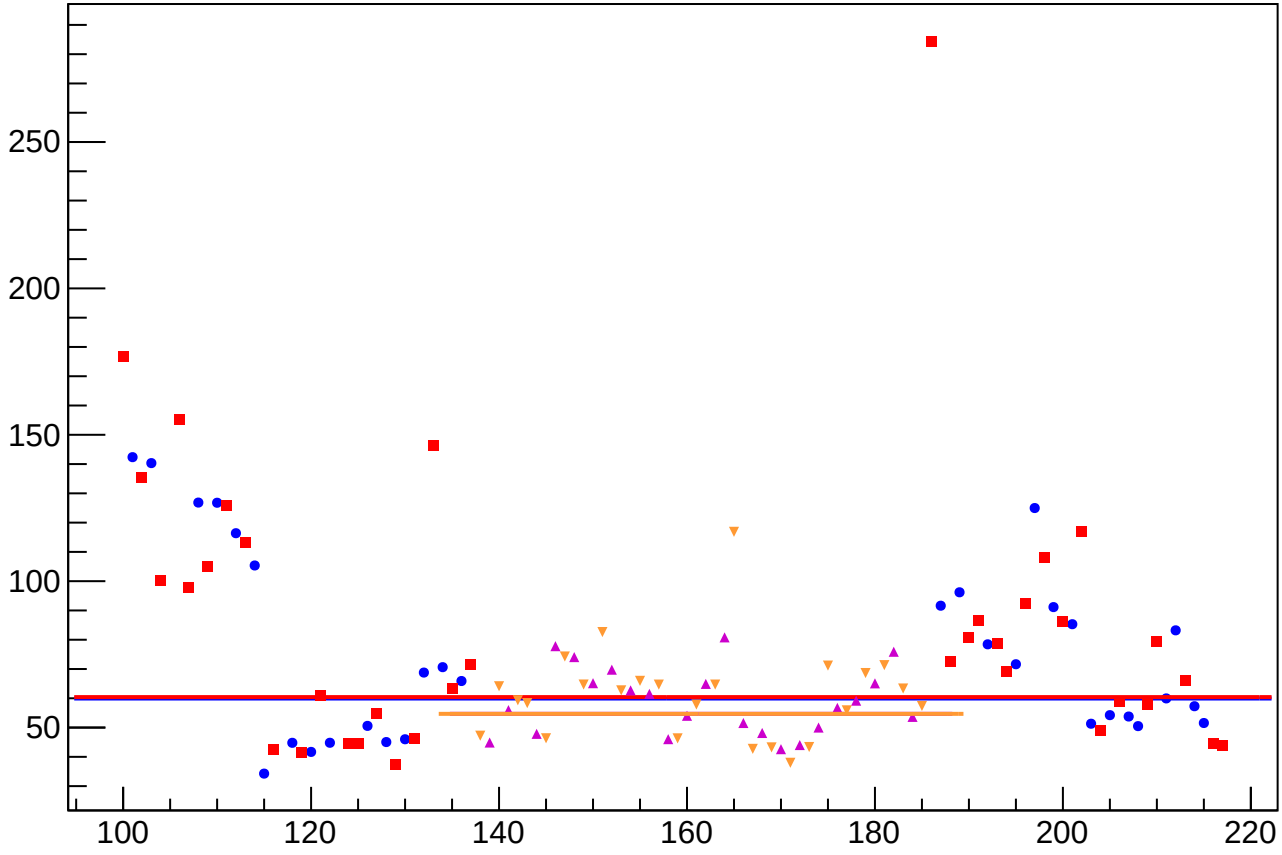
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.016+/-0.010 χ^2/NDF: 68.1/55

All: 0.007+/-0.007 χ^2/NDF: 141.0/114

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 59.921+/-0.011 χ^2/NDF: 3626108.8/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

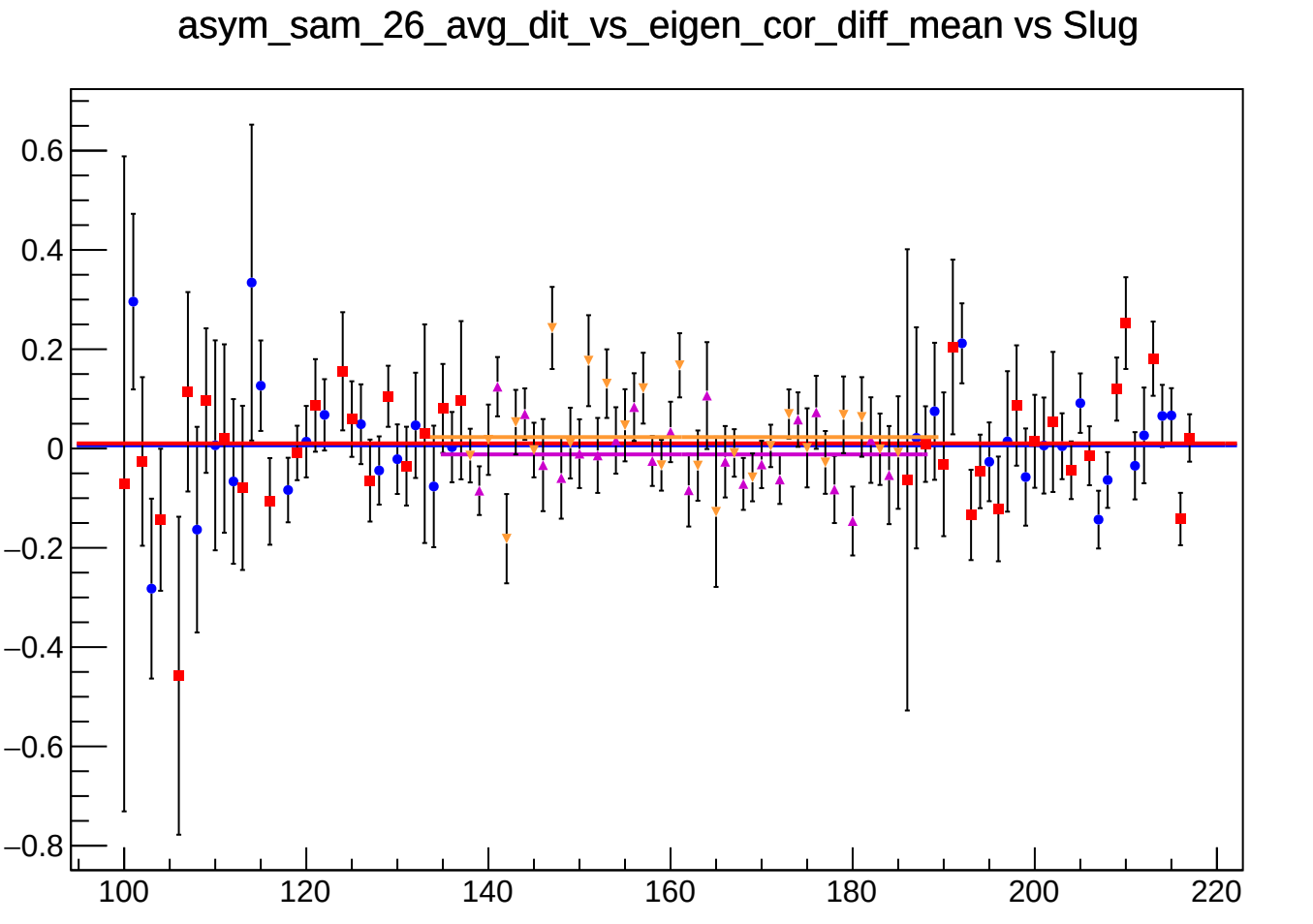
Right Out: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 56.934+/-0.007 χ^2/NDF: 5703474.6/55

All: 57.090+/-0.005 χ^2/NDF: 11935556.4/114

- sign 57.248+/-0.007 χ^2/NDF: 6231059.4/58



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

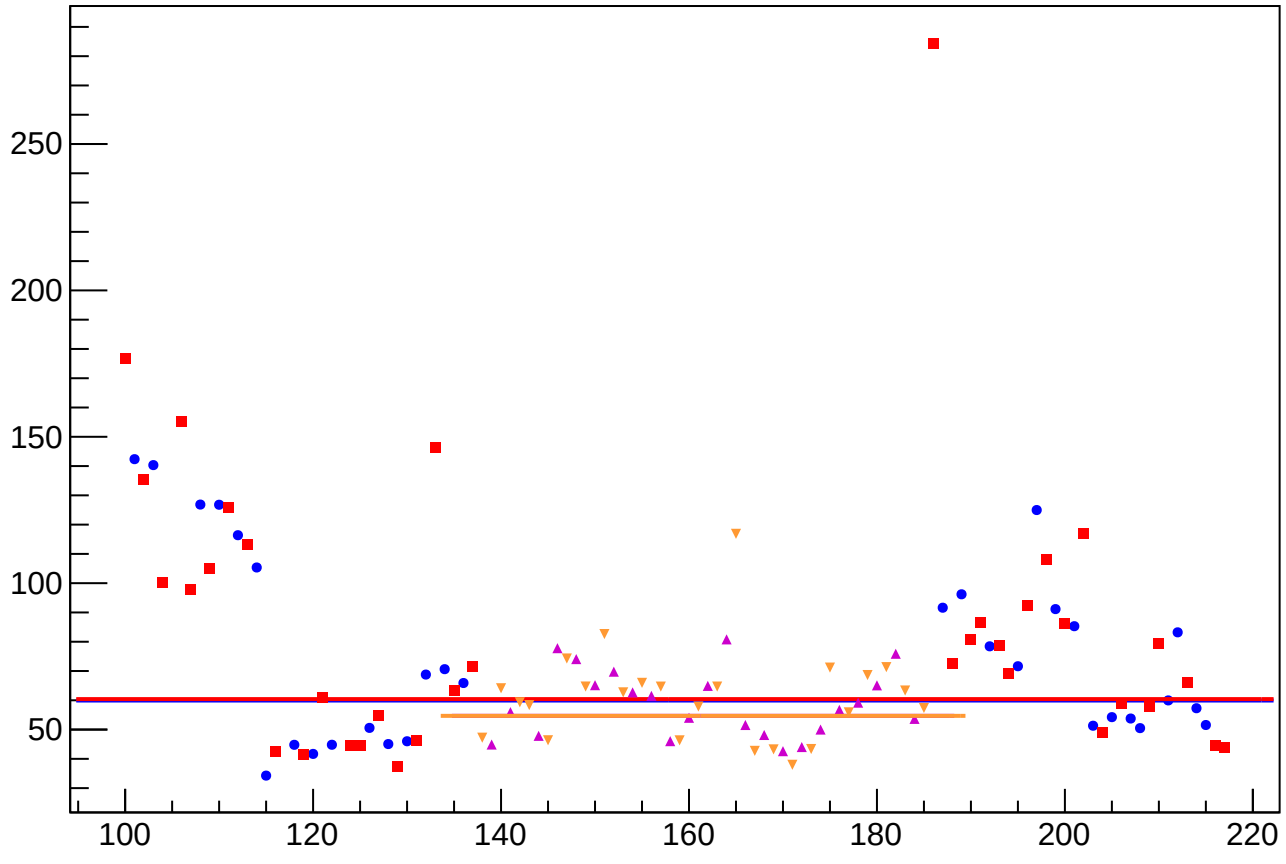
Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.016+/-0.010 χ^2/NDF: 68.1/55

All: 0.007+/-0.007 χ^2/NDF: 141.0/114

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58



Right In: 59.921+/-0.011 χ^2/NDF: 3626108.8/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

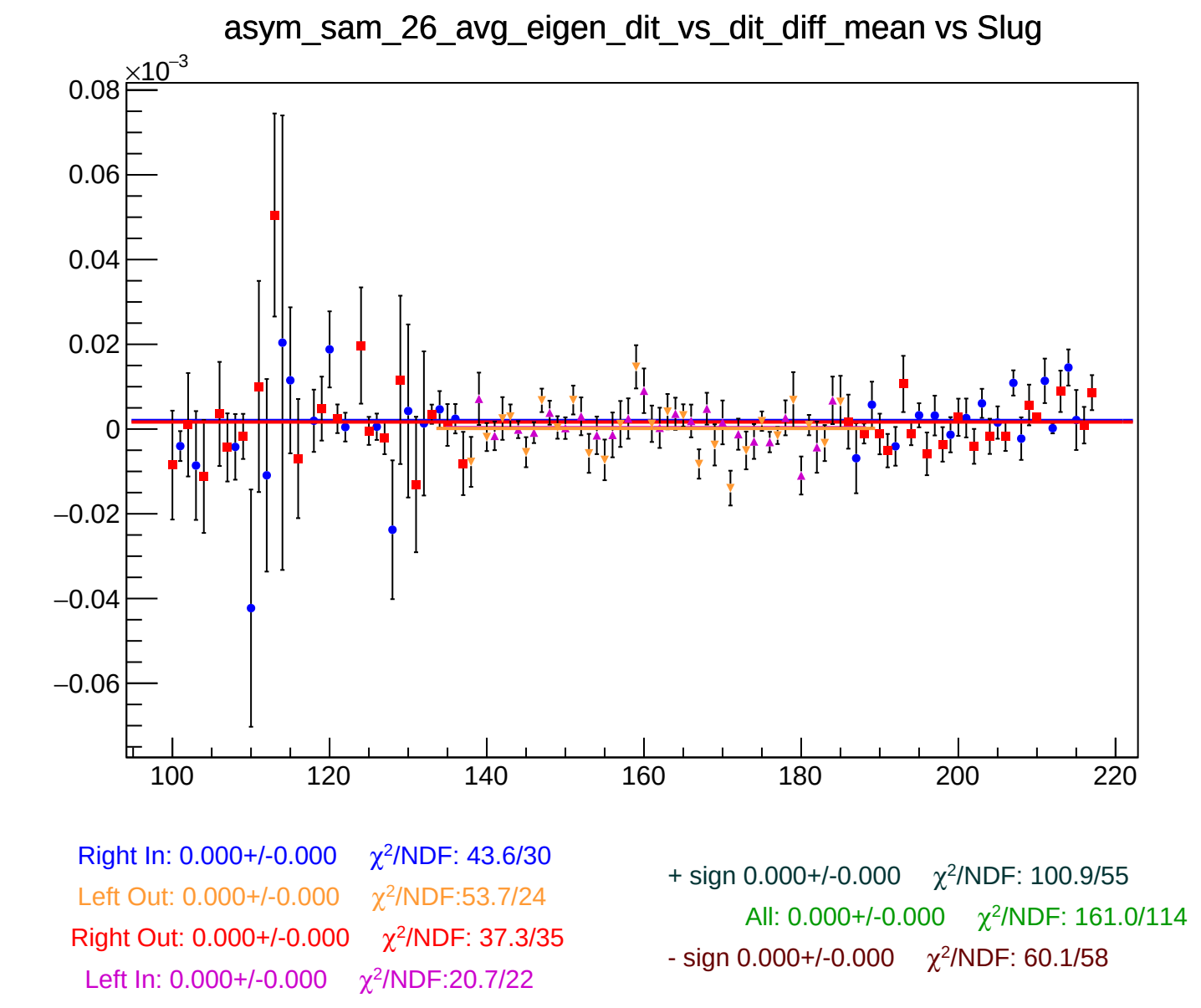
Right Out: 60.404+/-0.010 χ^2/NDF: 4873802.0/35

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

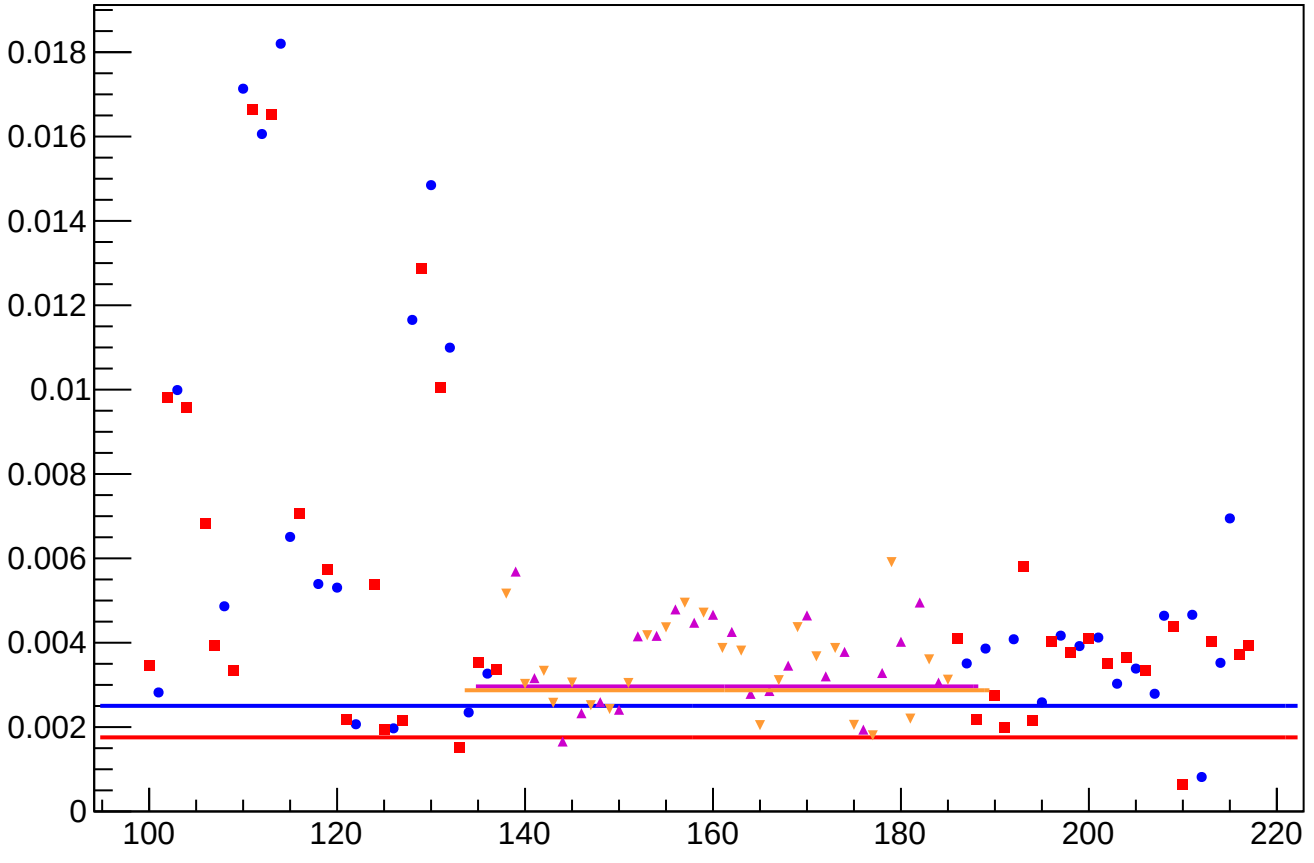
+ sign 56.934+/-0.007 χ^2/NDF: 5703474.6/55

All: 57.090+/-0.005 χ^2/NDF: 11935556.4/114

- sign 57.248+/-0.007 χ^2/NDF: 6231059.4/58


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 43.6/30
Left Out: 0.000+/-0.000 χ²/NDF:53.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.3/35
Left In: 0.000+/-0.000 χ²/NDF:20.7/22
+ sign 0.000+/-0.000 χ²/NDF: 100.9/55
All: 0.000+/-0.000 χ²/NDF: 161.0/114
- sign 0.000+/-0.000 χ²/NDF: 60.1/58

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11724471.0/30

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

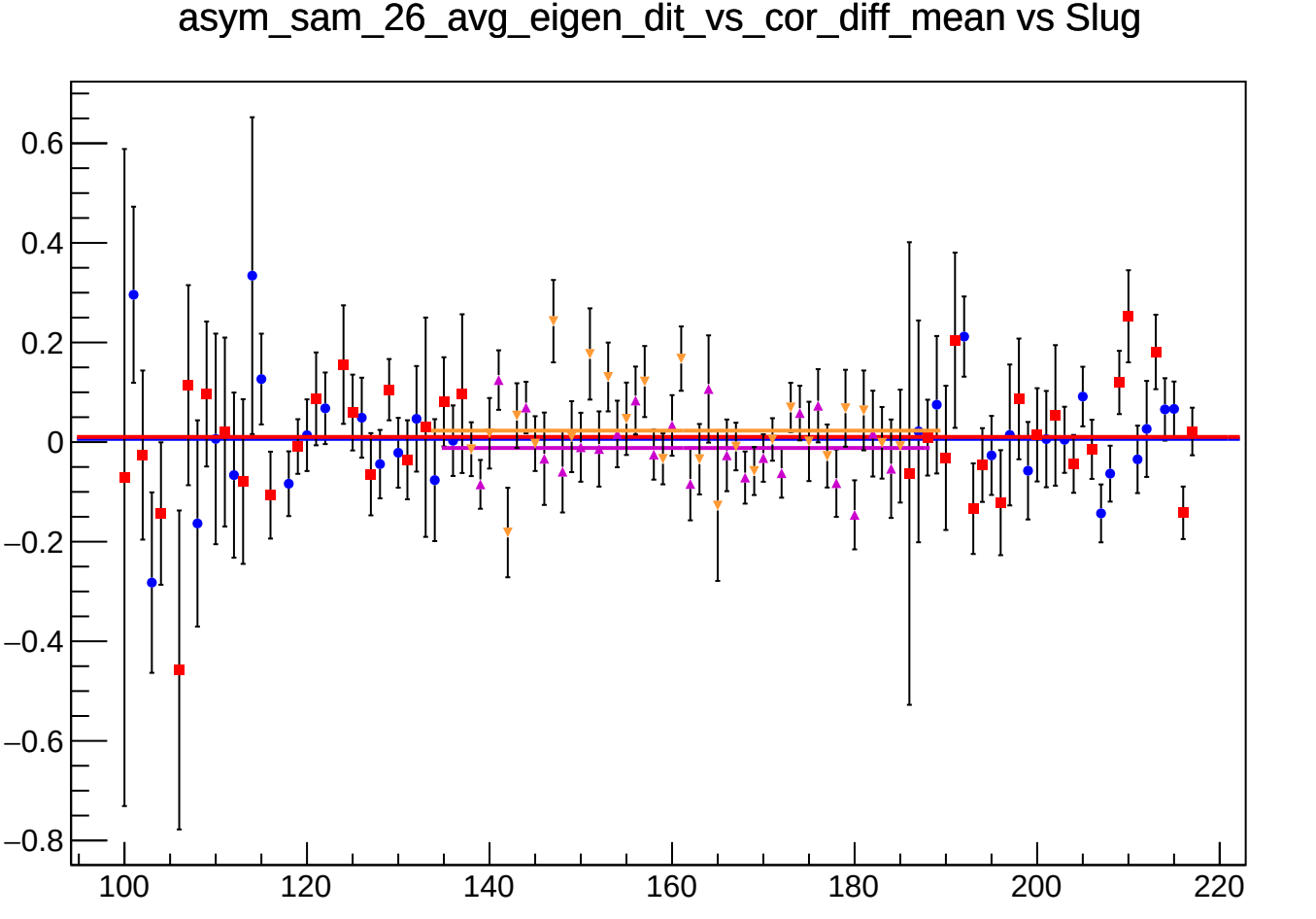
Right Out: 0.002+/-0.000 χ^2/NDF: 16759537.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

\+ sign 0.003+/-0.000 χ^2/NDF: 15601593.9/55

All: 0.002+/-0.000 χ^2/NDF: 40701907.4/114

\- sign 0.002+/-0.000 χ^2/NDF: 23816683.9/58



Right In: 0.006+/-0.015 χ^2/NDF: 33.2/30

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

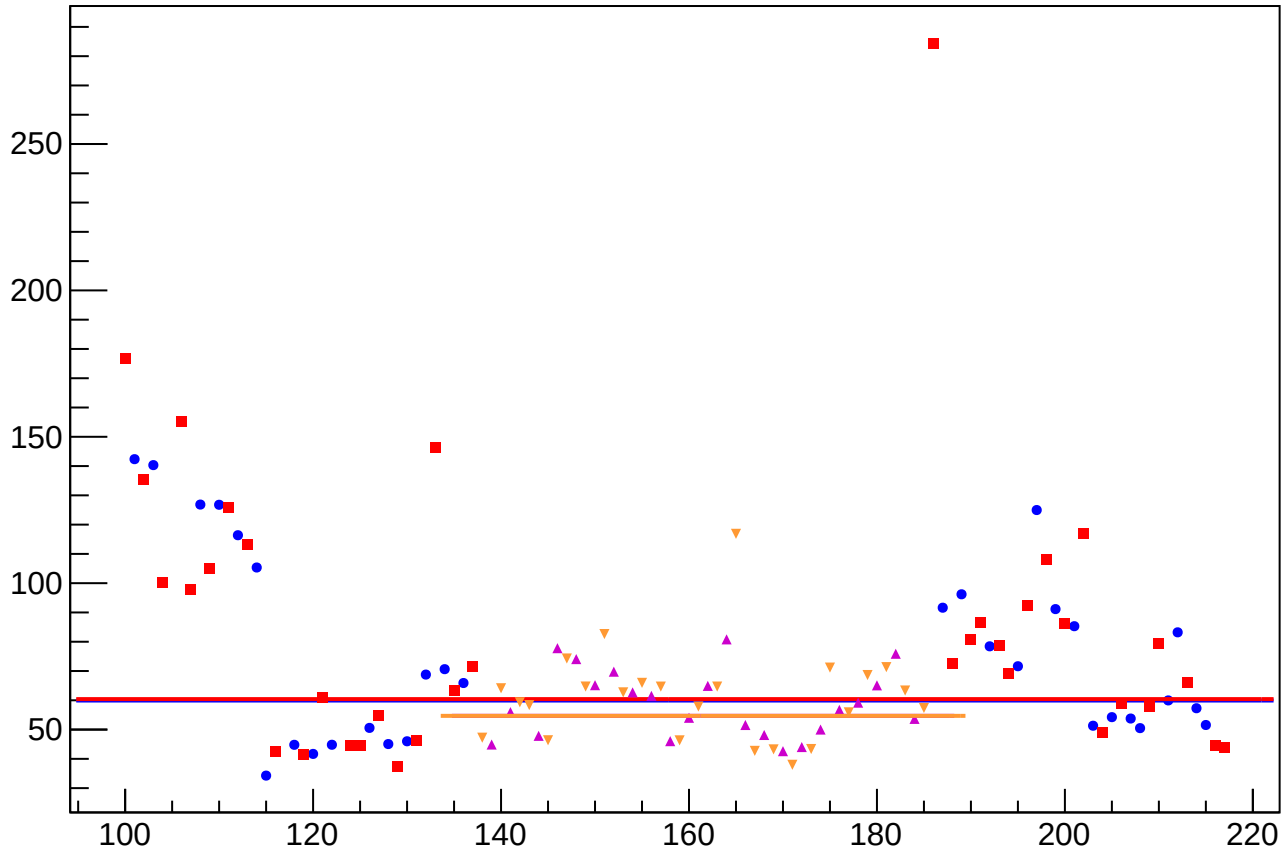
Right Out: 0.010+/-0.015 χ^2/NDF: 44.2/35

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.016+/-0.010 χ^2/NDF: 68.1/55

All: 0.007+/-0.007 χ^2/NDF: 141.0/114

- sign -0.002+/-0.010 χ^2/NDF: 71.3/58



Right In: 59.921+/-0.011 χ^2/NDF: 3626073.5/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

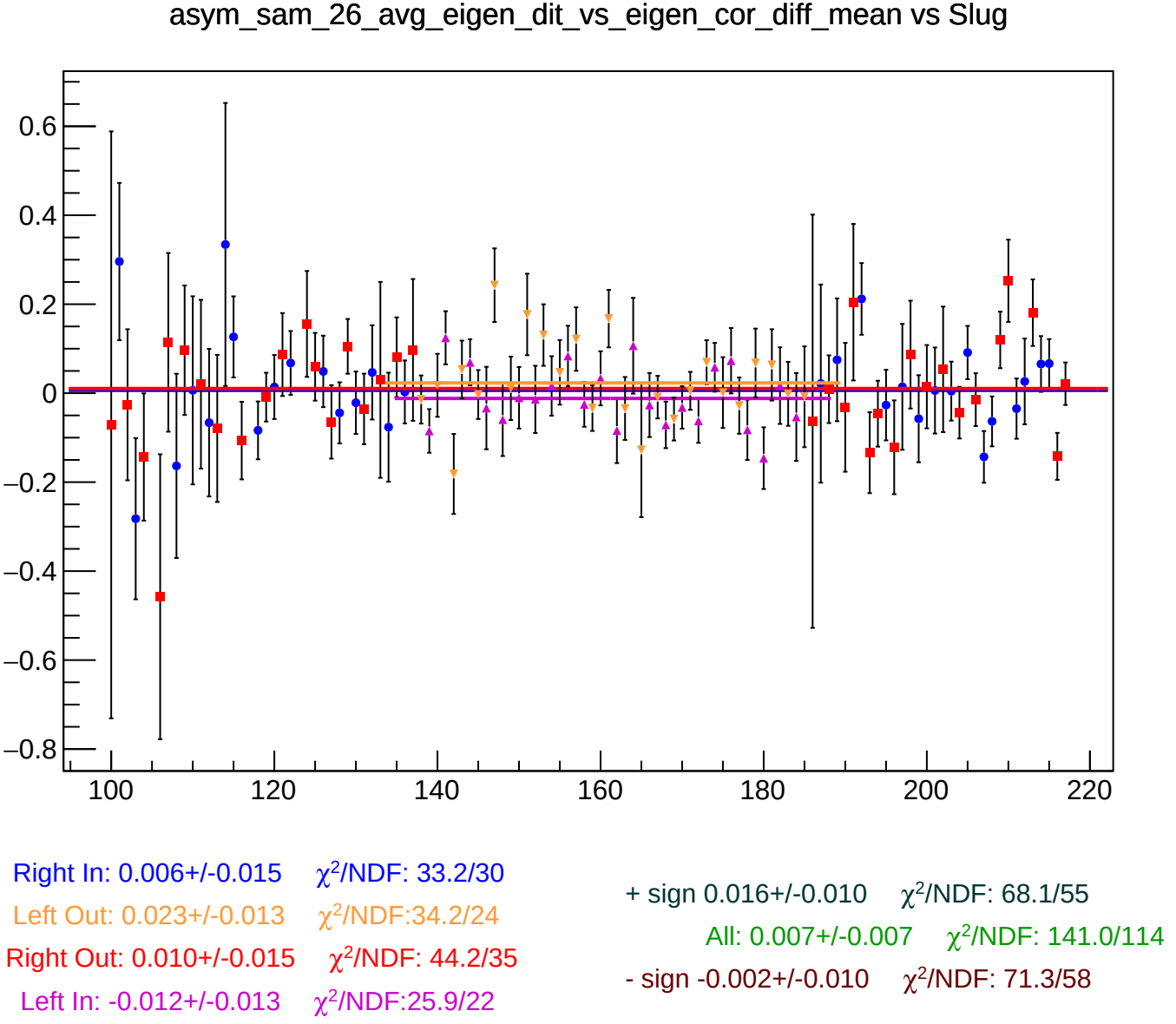
Right Out: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

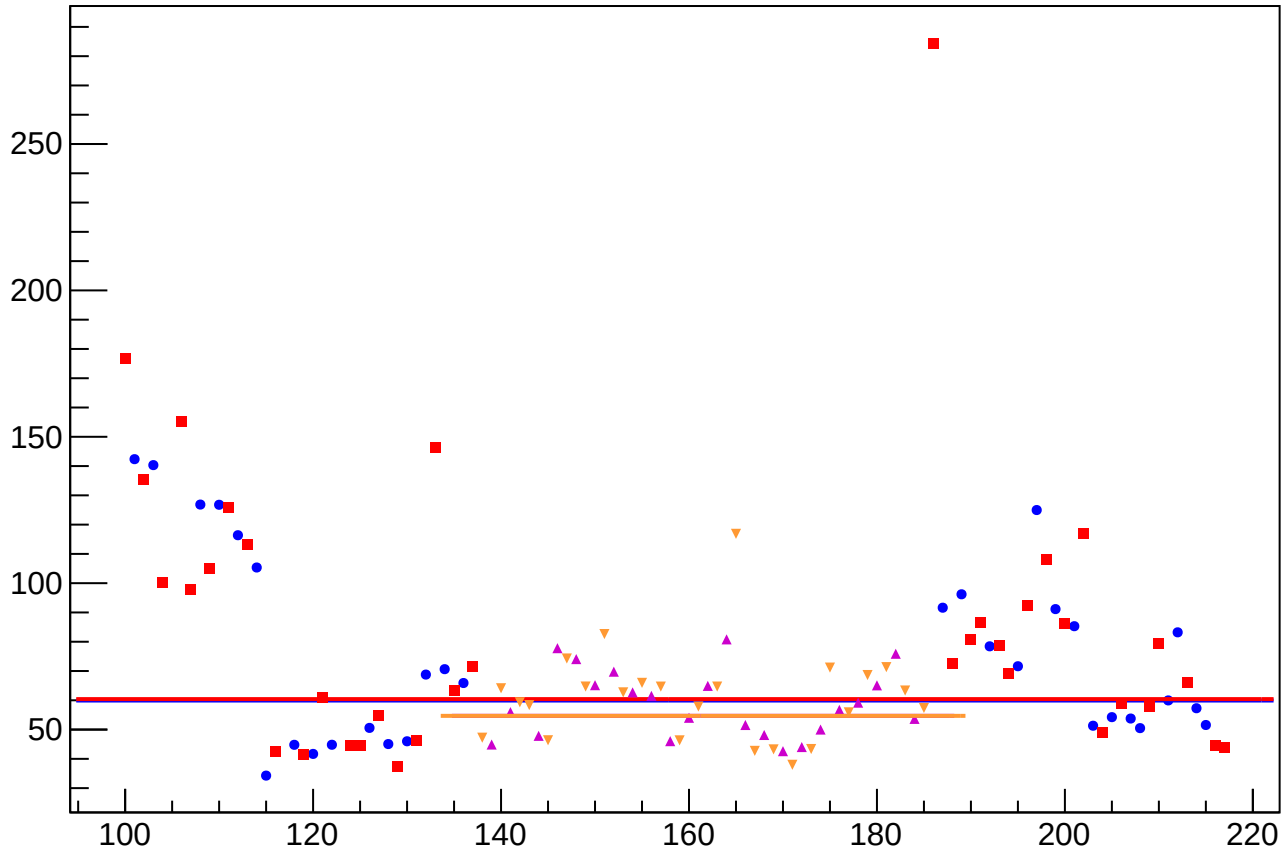
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.934+/-0.007 χ^2/NDF: 5703405.6/55

All: 57.090+/-0.005 χ^2/NDF: 11935429.8/114

- sign 57.248+/-0.007 χ^2/NDF: 6231002.0/58


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
220
Right In: 0.006+/-0.015 χ²/NDF: 33.2/30
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: 0.010+/-0.015 χ²/NDF: 44.2/35
Left In: -0.012+/-0.013 χ²/NDF:25.9/22
+ sign 0.016+/-0.010 χ²/NDF: 68.1/55
All: 0.007+/-0.007 χ²/NDF: 141.0/114
- sign -0.002+/-0.010 χ²/NDF: 71.3/58



Right In: 59.921+/-0.011 χ^2/NDF: 3626073.5/30

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

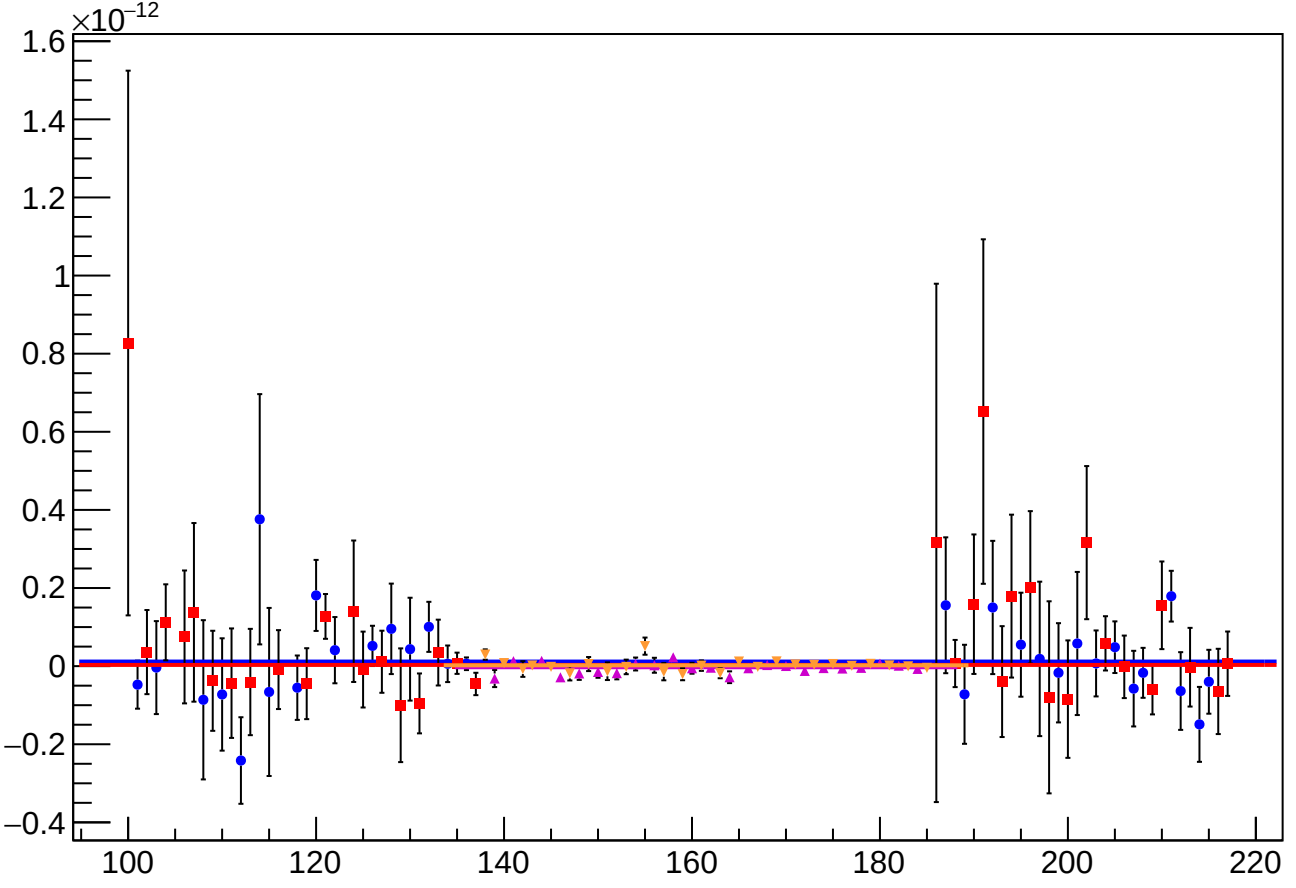
Right Out: 60.404+/-0.010 χ^2/NDF: 4873831.0/35

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 56.934+/-0.007 χ^2/NDF: 5703405.6/55

All: 57.090+/-0.005 χ^2/NDF: 11935429.8/114

- sign 57.248+/-0.007 χ^2/NDF: 6231002.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

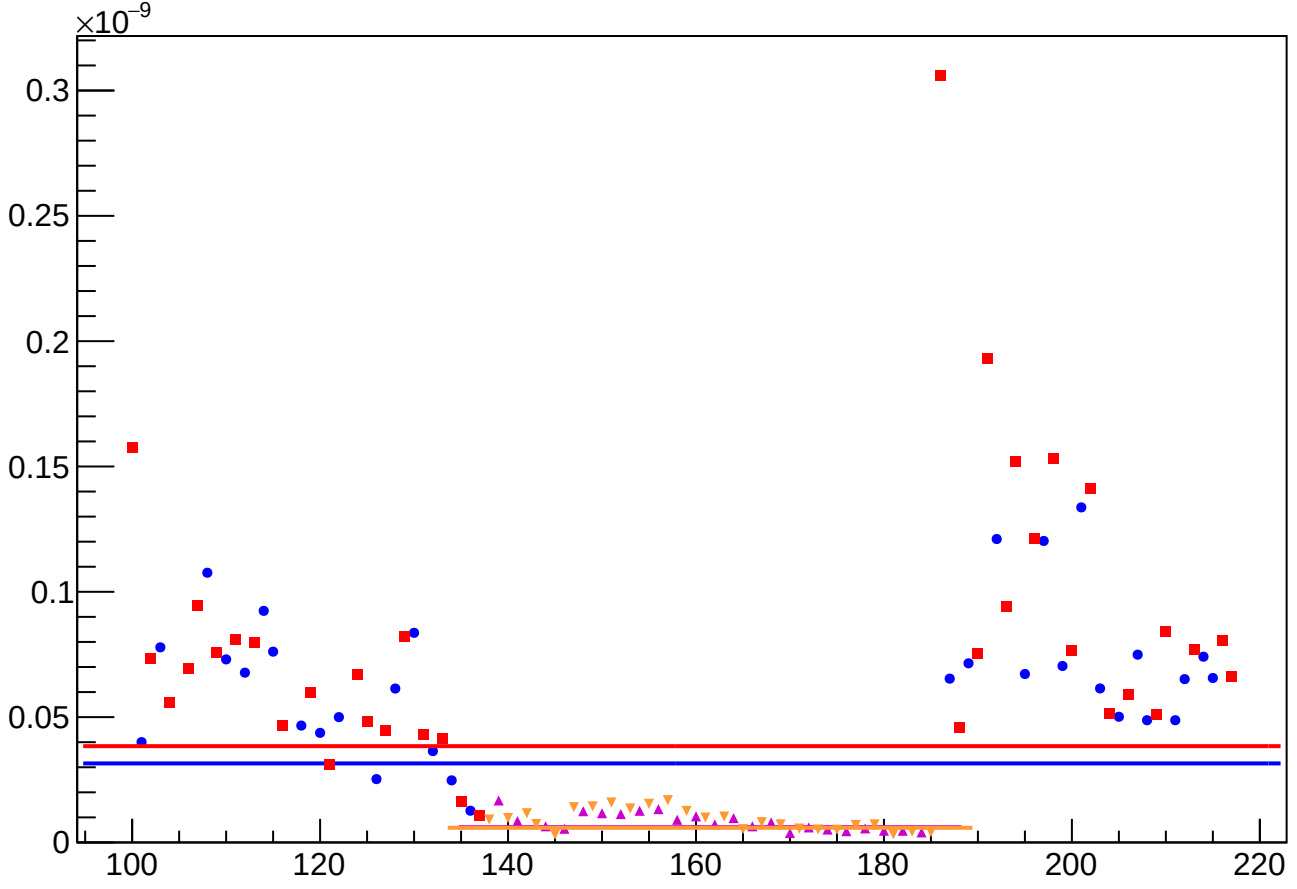
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/35

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.5/55

All: -0.000+/-0.000 χ^2/NDF: 113.7/114

- sign -0.000+/-0.000 χ^2/NDF: 59.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 8850620.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9178335.6/35

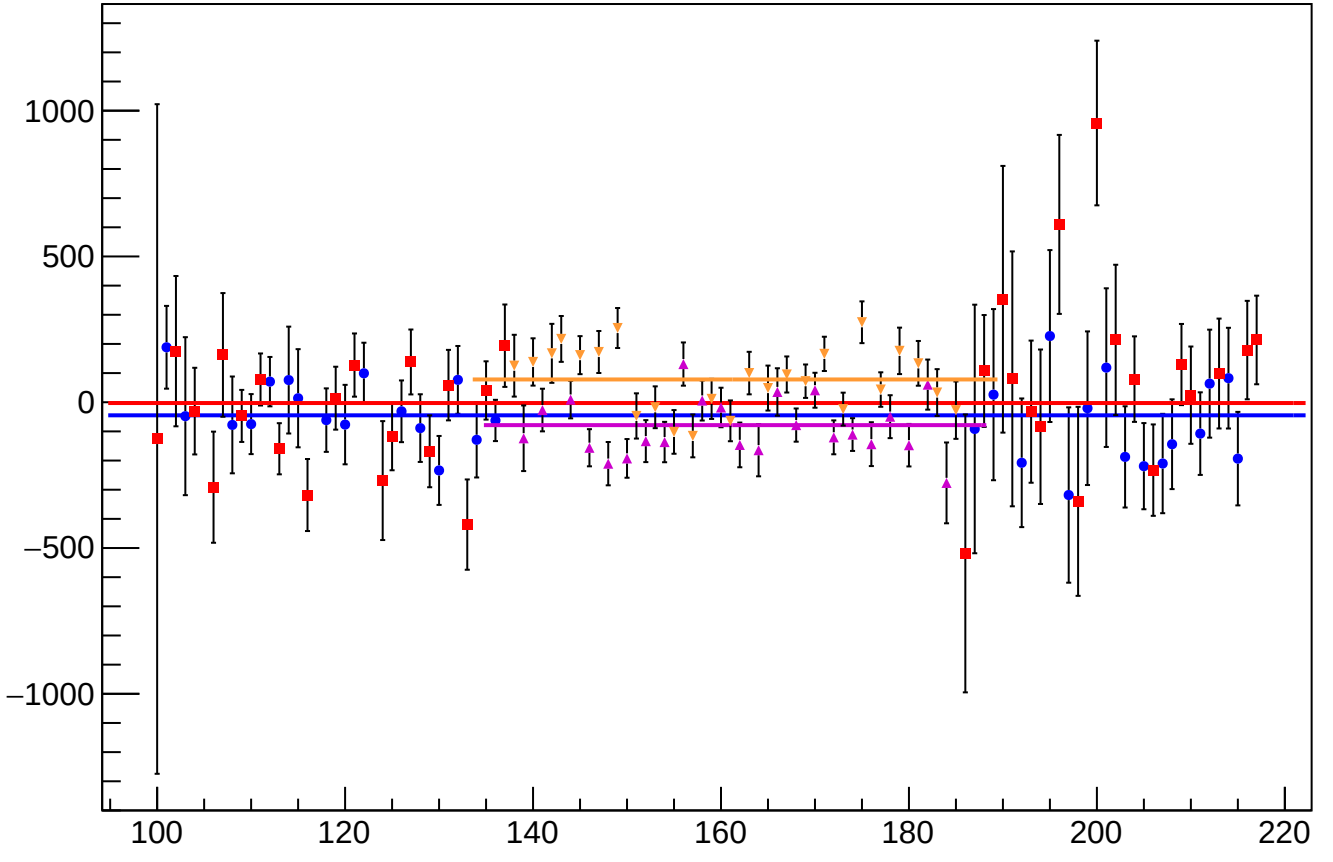
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 24122967.2/55

All: 0.000+/-0.000 χ^2/NDF: 48225061.1/114

- sign 0.000+/-0.000 χ^2/NDF: 24079940.7/58

reg_asym_sam_37_avg_mean vs Slug



Right In: -44.842+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.702+/-24.717 χ^2/NDF: 57.9/35

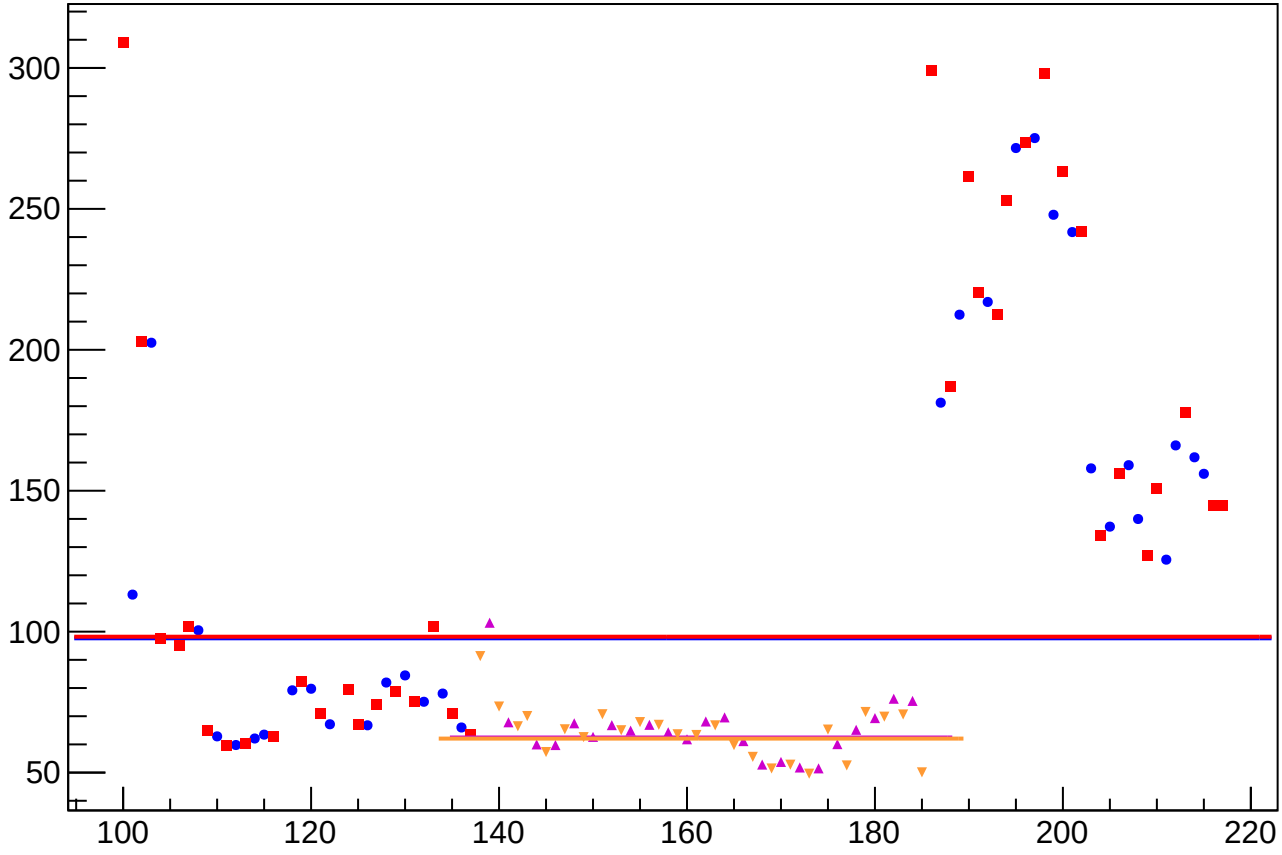
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 47.877+/-12.438 χ^2/NDF: 91.6/55

All: -4.171+/-8.888 χ^2/NDF: 228.8/114

- sign -58.479+/-12.705 χ^2/NDF: 101.5/58

reg_asym_sam_37_avg_rms vs Slug



Right In: 97.645+/-0.018 χ^2/NDF: 7384625.2/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

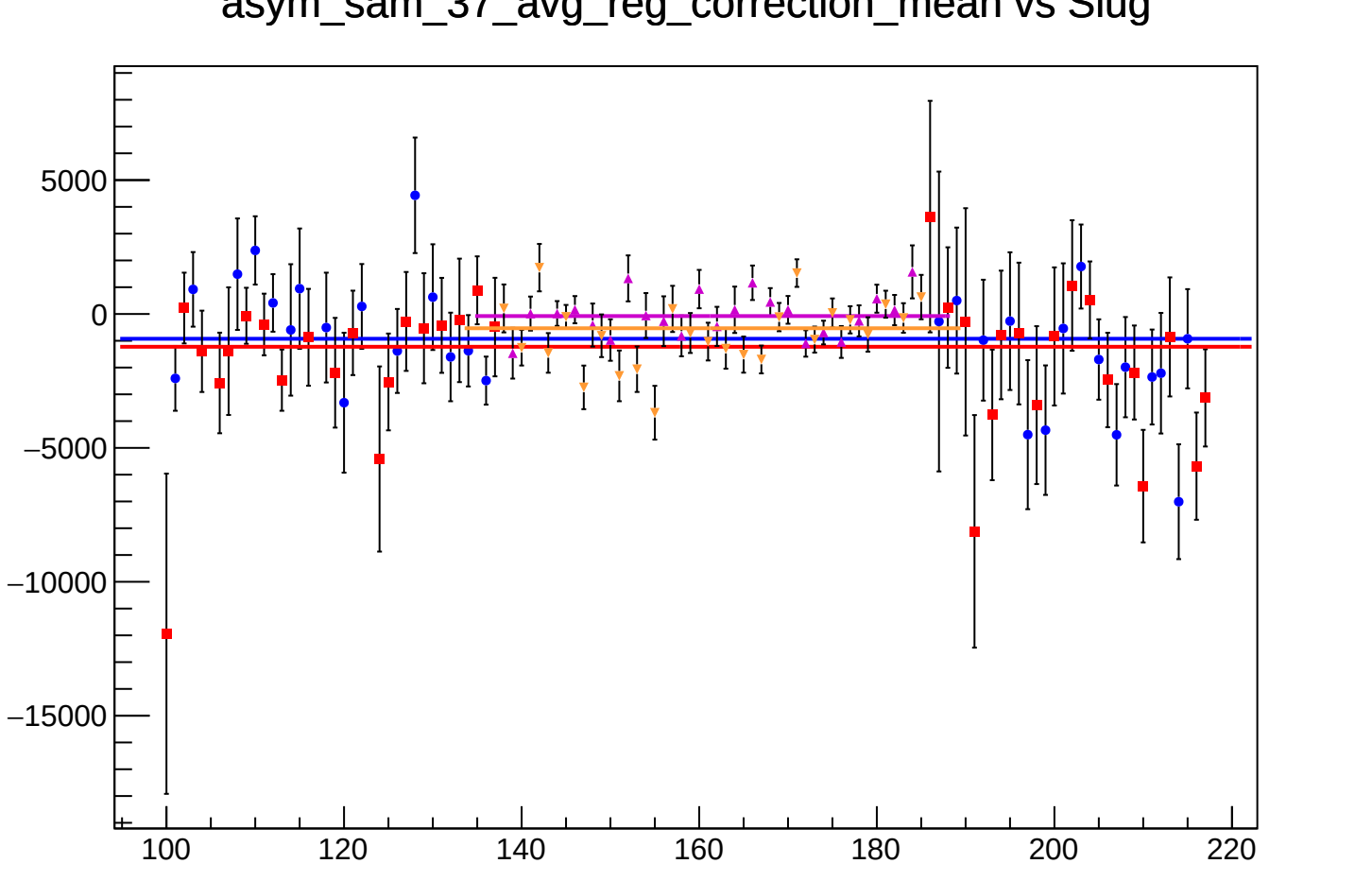
Right Out: 98.207+/-0.017 χ^2/NDF: 8809420.9/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.823+/-0.009 χ^2/NDF: 11108810.9/55

All: 71.347+/-0.006 χ^2/NDF: 23670661.5/114

- sign 71.894+/-0.009 χ^2/NDF: 12554592.6/58



Right In: -925.246+/-308.132 χ^2/NDF: 45.4/30

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

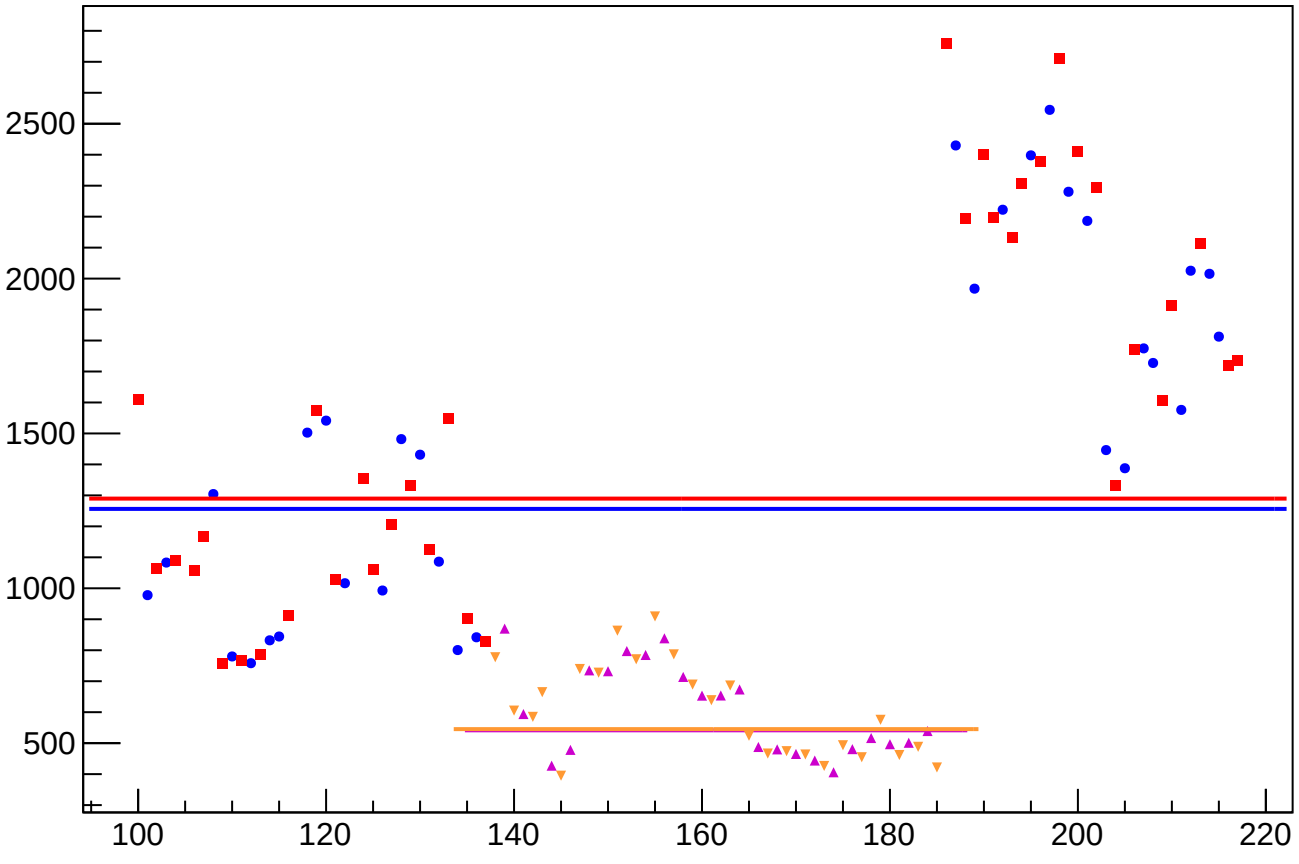
Right Out: -1223.955+/-307.050 χ^2/NDF: 35.3/35

Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -590.480+/-118.149 χ^2/NDF: 115.9/55

All: -424.011+/-84.177 χ^2/NDF: 195.4/114

- sign -252.399+/-119.960 χ^2/NDF: 75.5/58



Right In: 1256.377+/-0.218 χ^2/NDF: 4964819.7/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1289.632+/-0.217 χ^2/NDF: 5799157.9/35

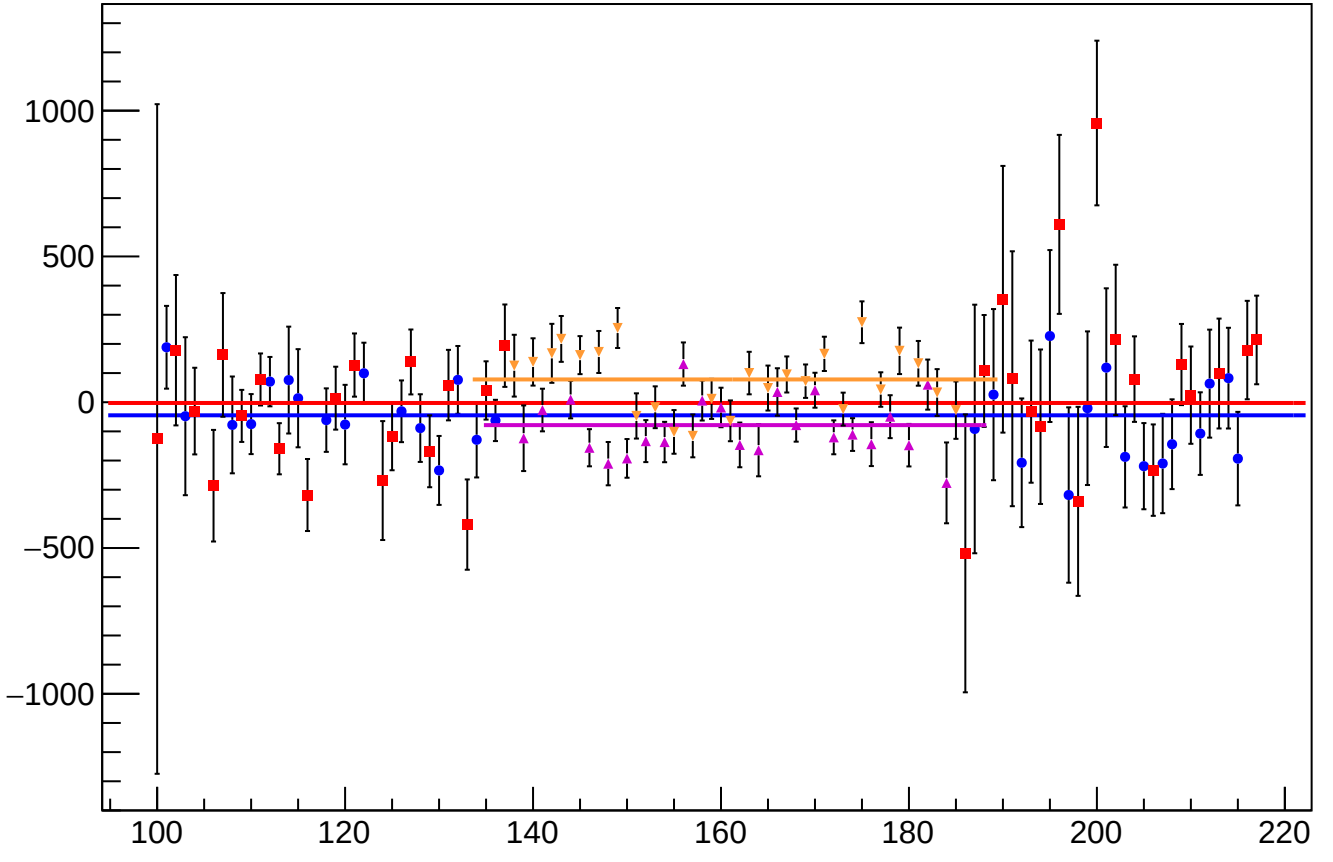
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 649.848+/-0.084 χ^2/NDF: 16133443.5/55

All: 652.708+/-0.060 χ^2/NDF: 33837374.1/11

- sign 655.656+/-0.085 χ^2/NDF: 17701551.3/58

cor_asym_sam_37_avg_mean vs Slug



Right In: -44.849+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.549+/-24.719 χ^2/NDF: 57.8/35

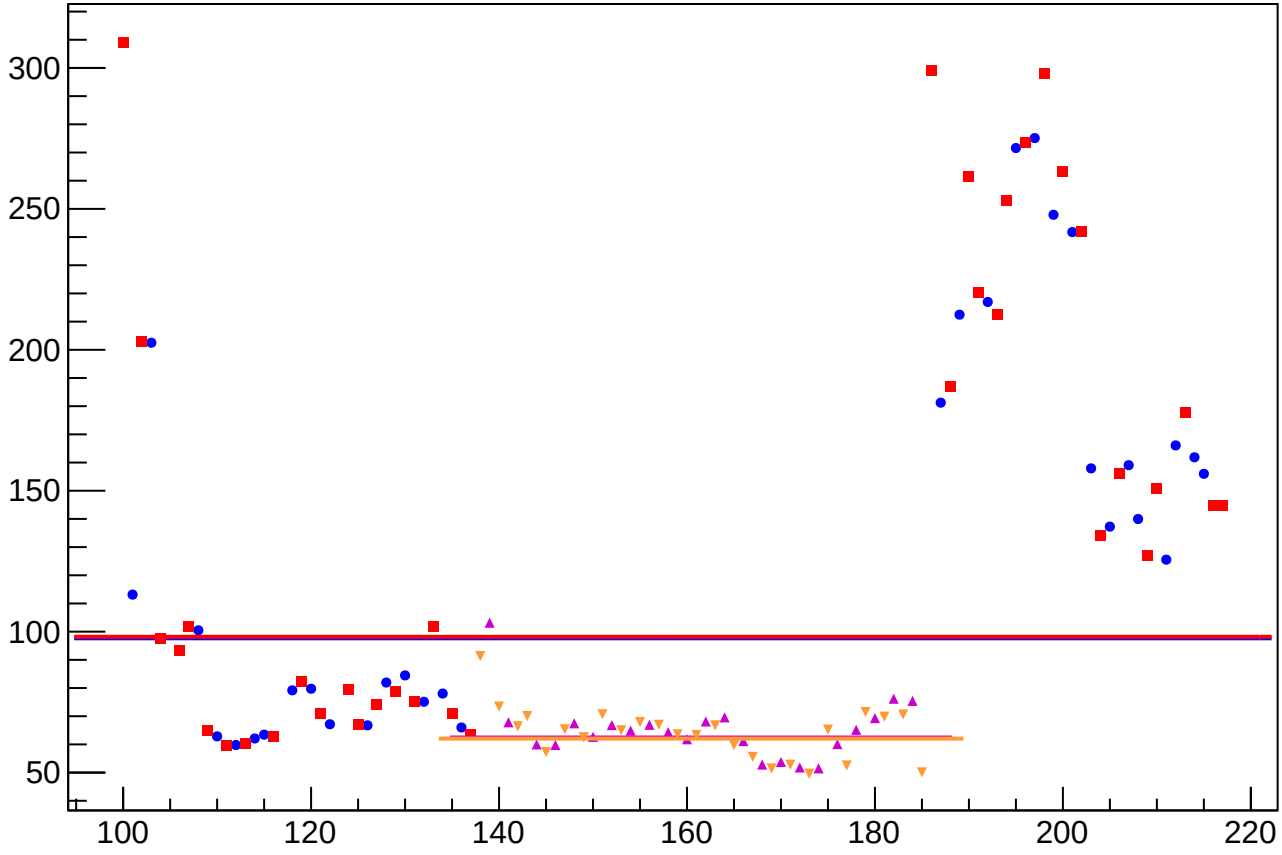
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 47.878+/-12.438 χ^2/NDF: 91.6/55

All: -4.150+/-8.888 χ^2/NDF: 228.7/114

- sign -58.440+/-12.705 χ^2/NDF: 101.4/58

cor_asym_sam_37_avg_rms vs Slug



Right In: 97.645+/-0.018 χ^2/NDF: 7384627.6/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

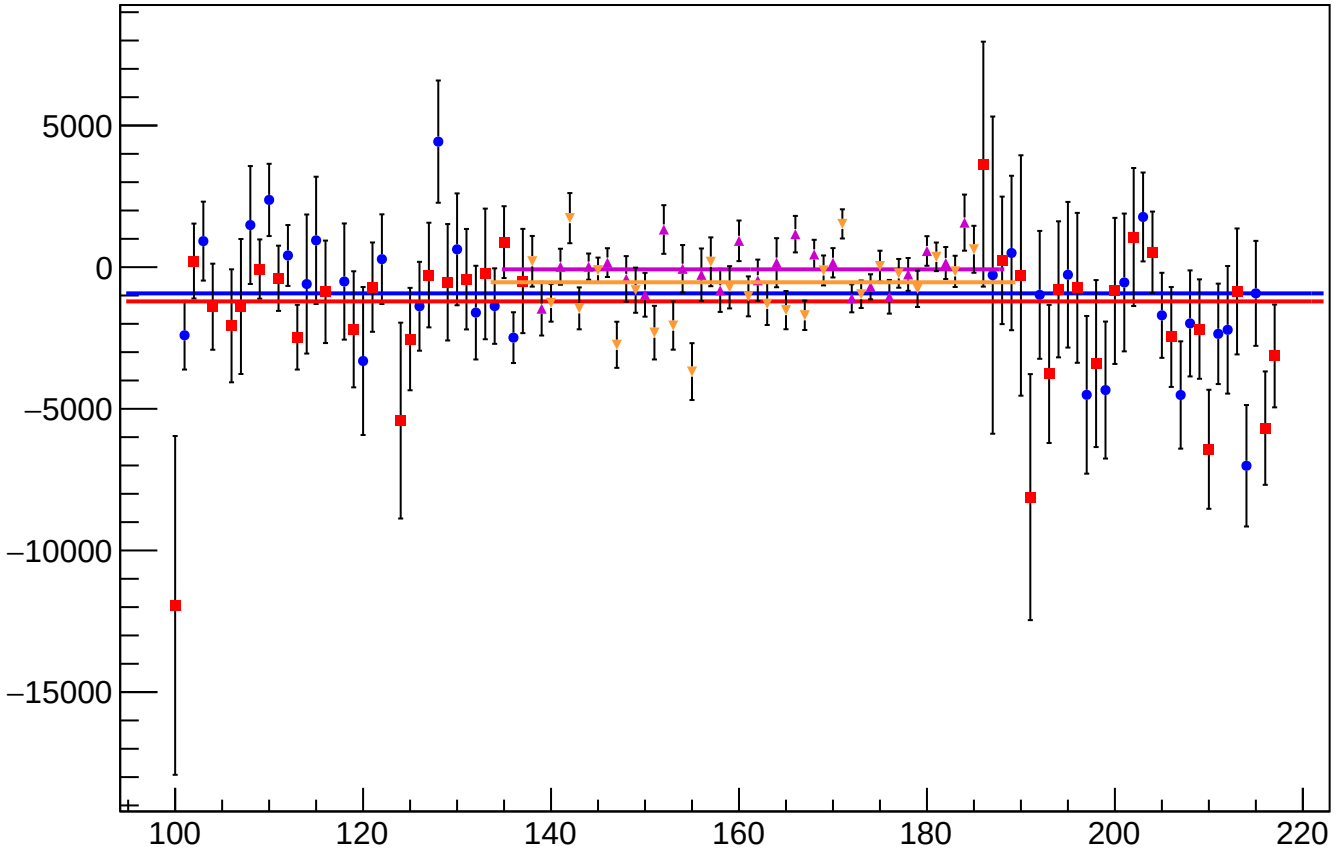
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.823+/-0.009 χ^2/NDF: 11108812.9/55

All: 71.343+/-0.006 χ^2/NDF: 23666368.8/114

- sign 71.885+/-0.009 χ^2/NDF: 12550411.7/58

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -925.241+/-308.134 χ^2/NDF: 45.4/30

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

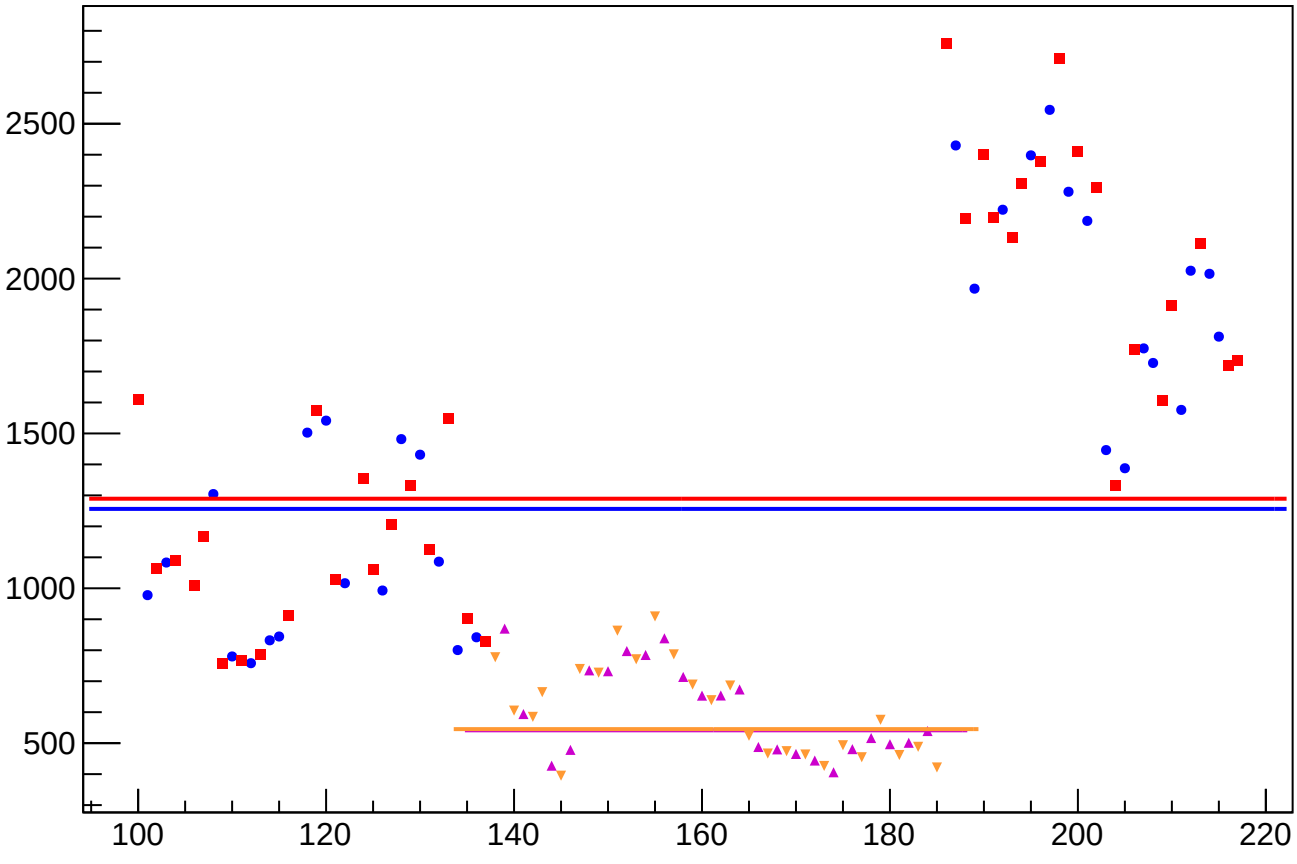
Right Out: -1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -590.477+/-118.149 χ^2/NDF: 115.9/55

All: -422.652+/-84.187 χ^2/NDF: 194.7/114

- sign -249.559+/-119.989 χ^2/NDF: 74.8/58



Right In: 1256.384+/-0.218 χ^2/NDF: 4964780.5/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

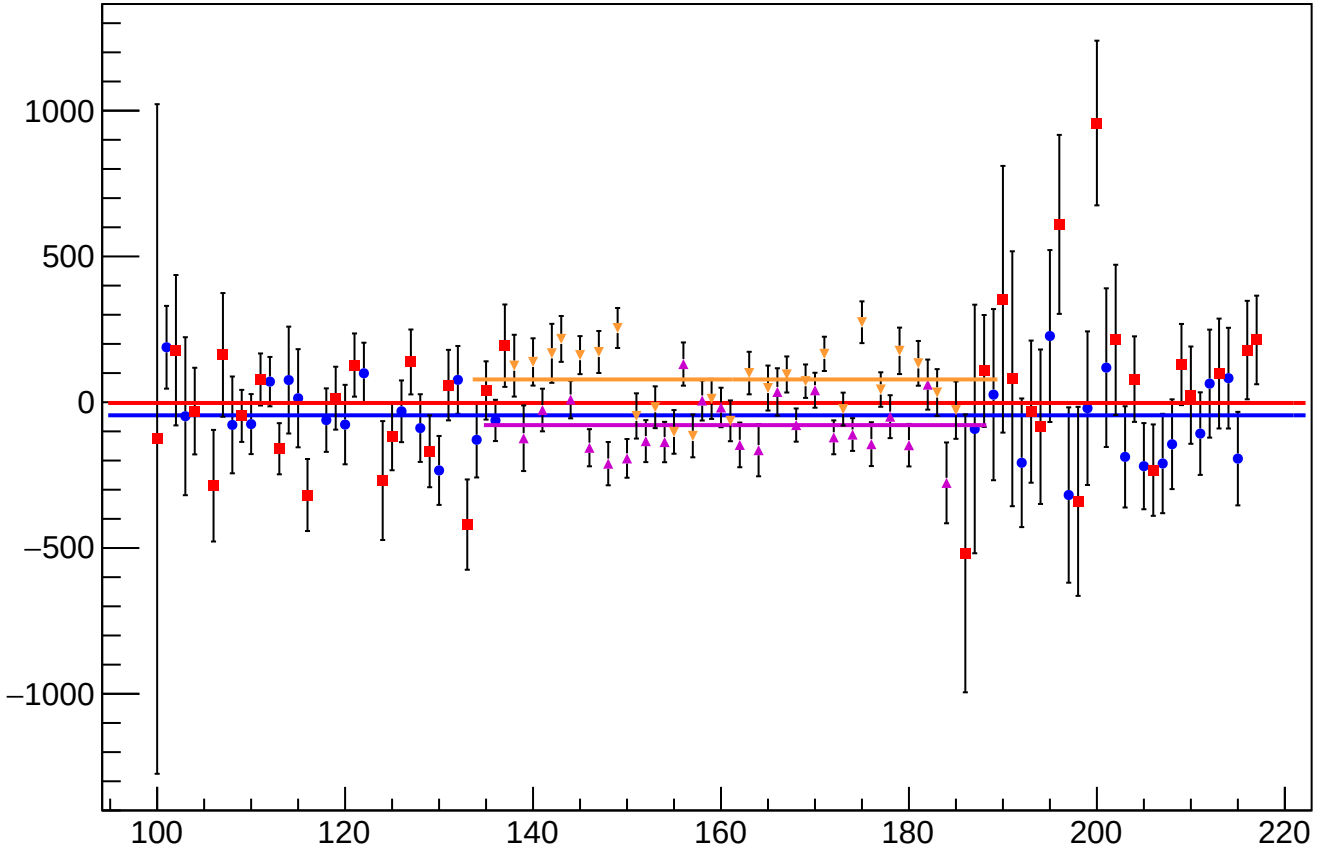
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 649.848+/-0.084 χ^2/NDF: 16133499.0/55

All: 652.530+/-0.060 χ^2/NDF: 33808901.8/11

- sign 655.297+/-0.085 χ^2/NDF: 17673308.8/58

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -44.849+/-25.067 χ^2/NDF: 19.5/30

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -2.549+/-24.719 χ^2/NDF: 57.8/35

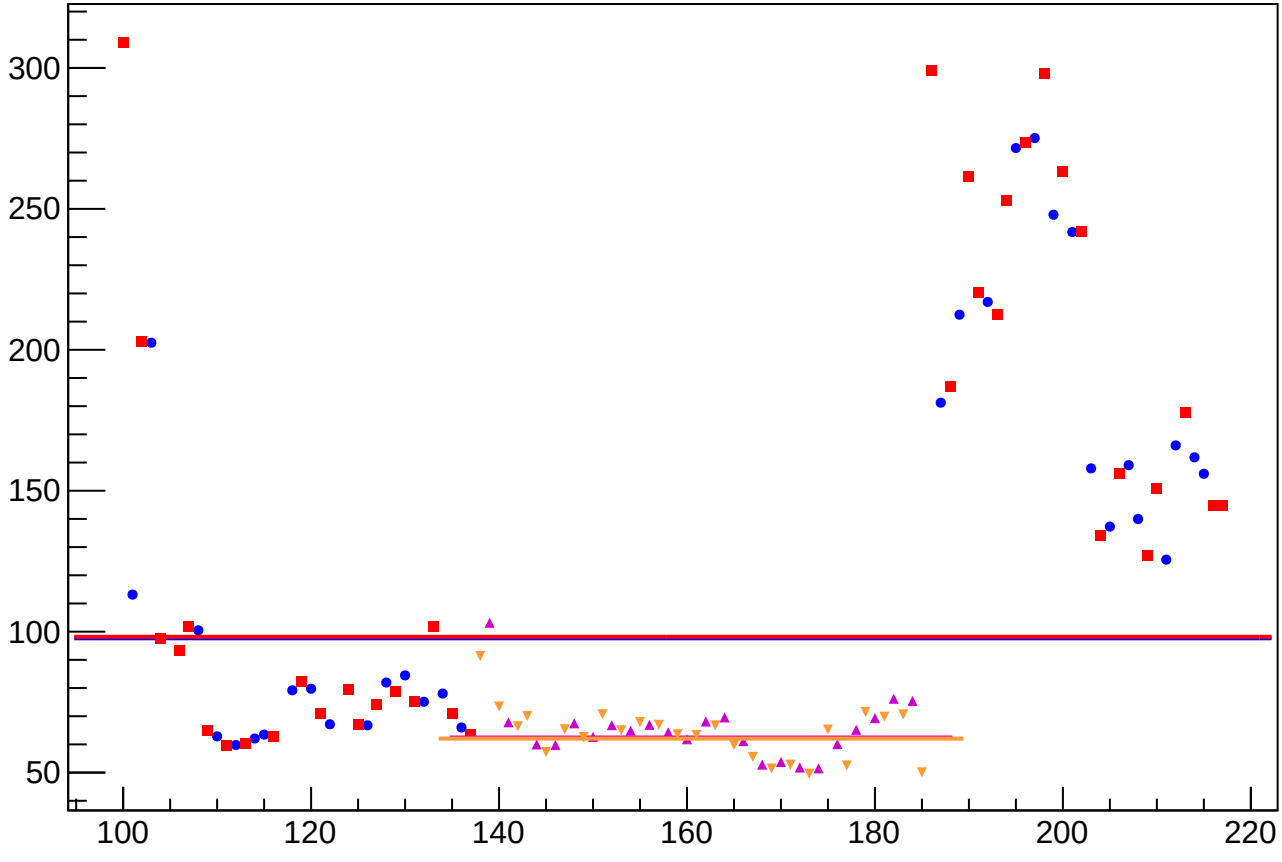
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 47.878+/-12.438 χ^2/NDF: 91.6/55

All: -4.150+/-8.888 χ^2/NDF: 228.7/114

- sign -58.440+/-12.705 χ^2/NDF: 101.4/58

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 97.645+/-0.018 χ^2/NDF: 7384627.6/30

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

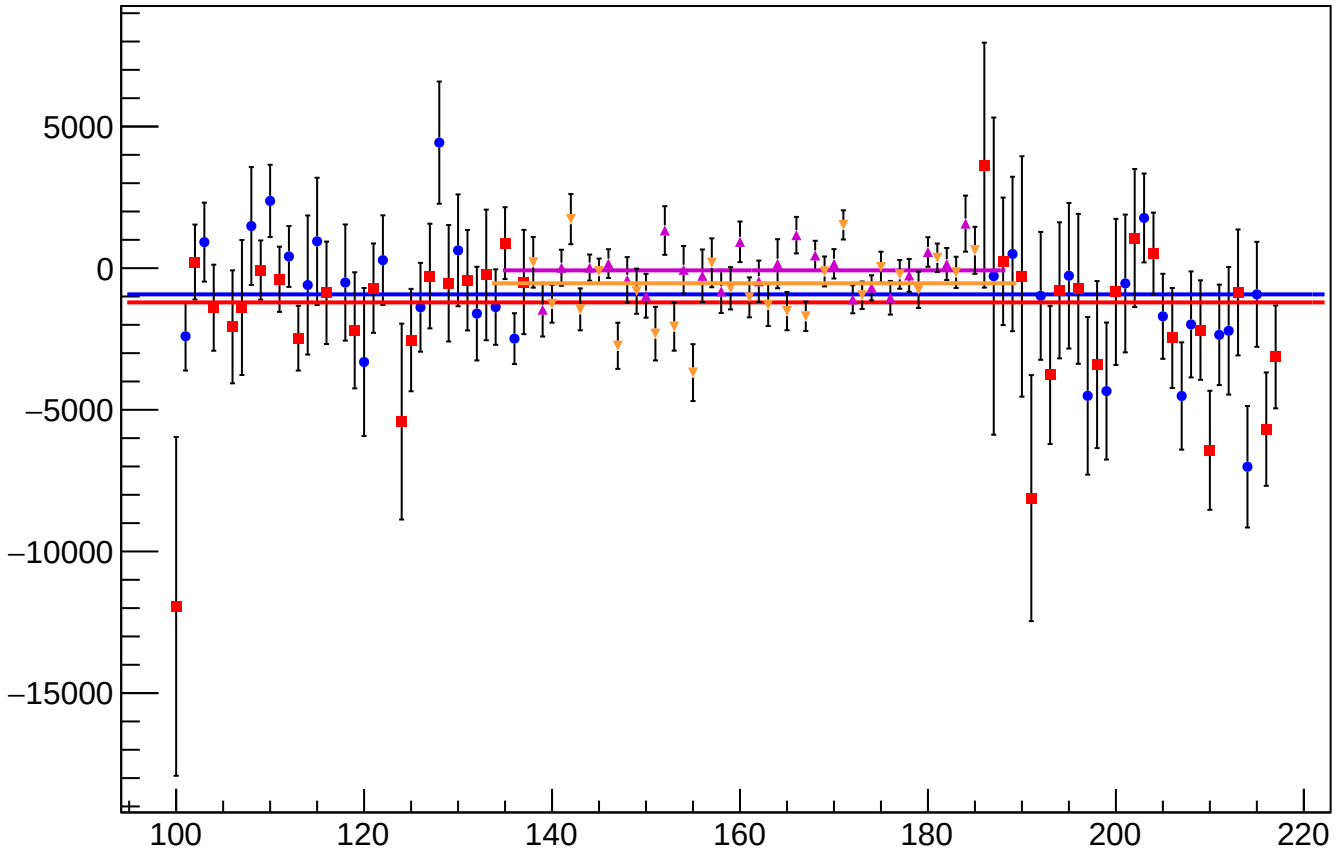
Right Out: 98.179+/-0.017 χ^2/NDF: 8810384.8/35

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.823+/-0.009 χ^2/NDF: 11108812.9/55

All: 71.343+/-0.006 χ^2/NDF: 23666368.8/114

- sign 71.885+/-0.009 χ^2/NDF: 12550411.7/58



Right In: -925.241+/-308.134 χ^2/NDF: 45.4/30

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

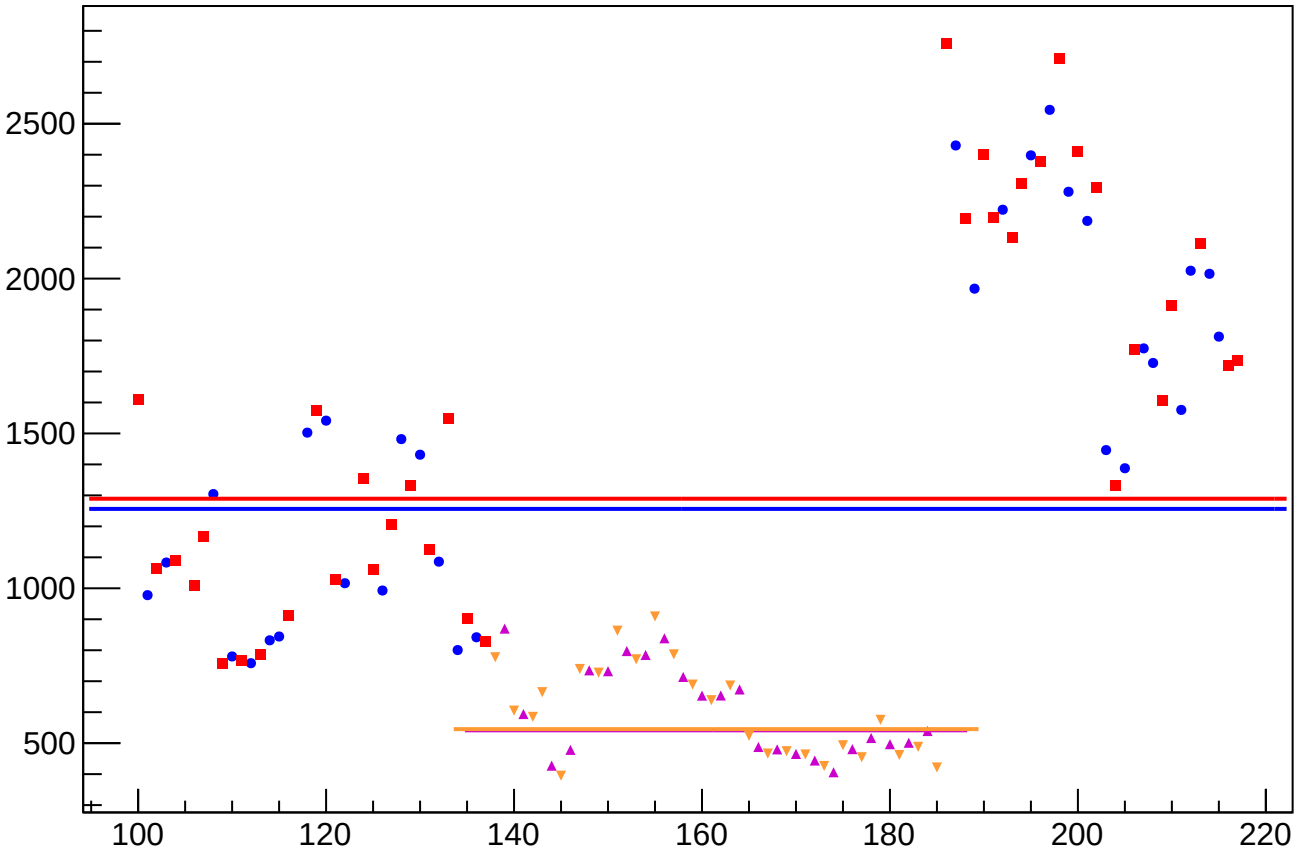
Right Out: -1208.337+/-307.529 χ^2/NDF: 34.9/35

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -590.477+/-118.149 χ^2/NDF: 115.9/55

All: -422.652+/-84.187 χ^2/NDF: 194.7/114

- sign -249.559+/-119.989 χ^2/NDF: 74.8/58



Right In: 1256.384+/-0.218 χ^2/NDF: 4964780.5/30

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1289.252+/-0.217 χ^2/NDF: 5807619.1/35

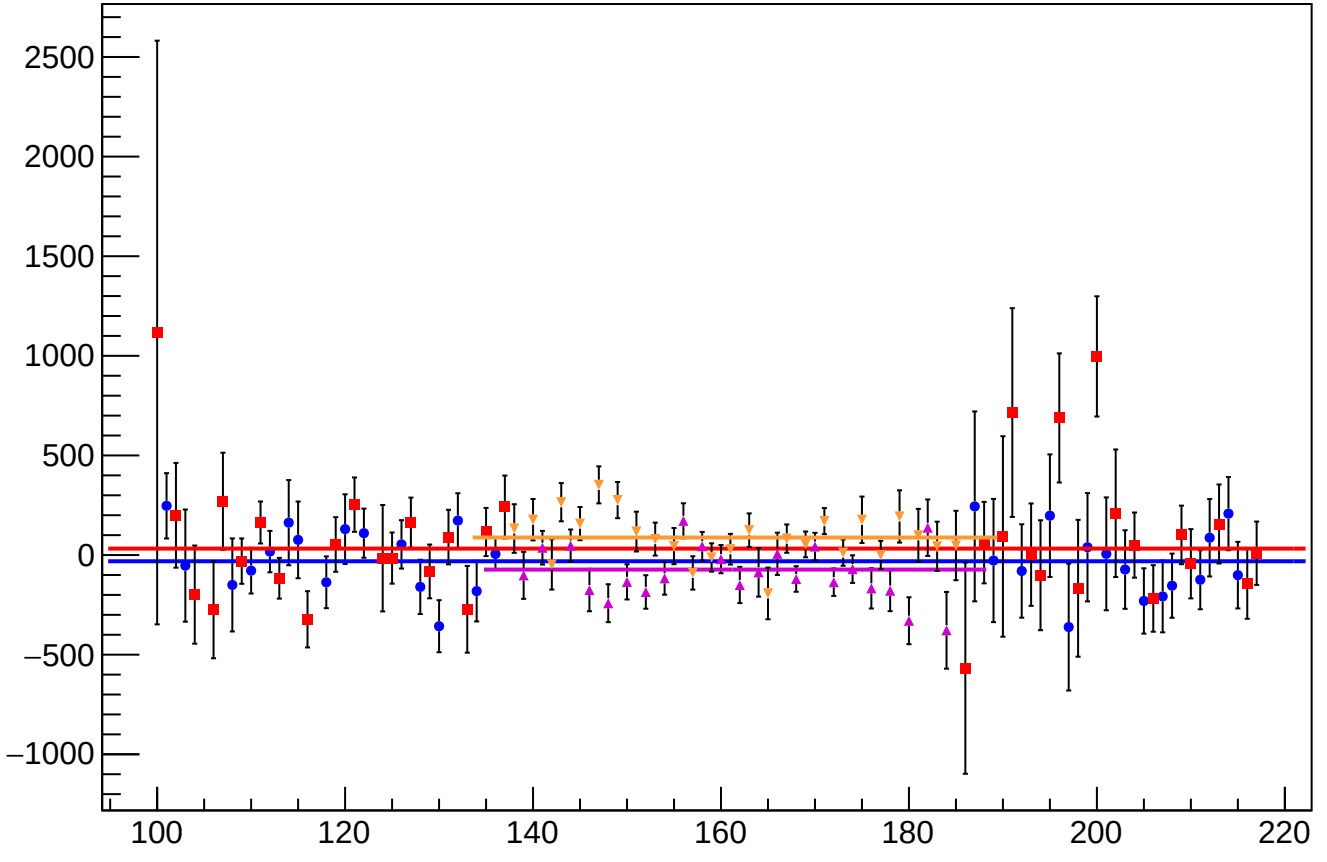
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 649.848+/-0.084 χ^2/NDF: 16133499.0/55

All: 652.530+/-0.060 χ^2/NDF: 33808901.8/11

- sign 655.297+/-0.085 χ^2/NDF: 17673308.8/58

dit_asym_sam_37_avg_mean vs Slug



Right In: -31.129+/-28.554 χ^2/NDF: 26.3/30

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.432+/-28.713 χ^2/NDF: 45.9/35

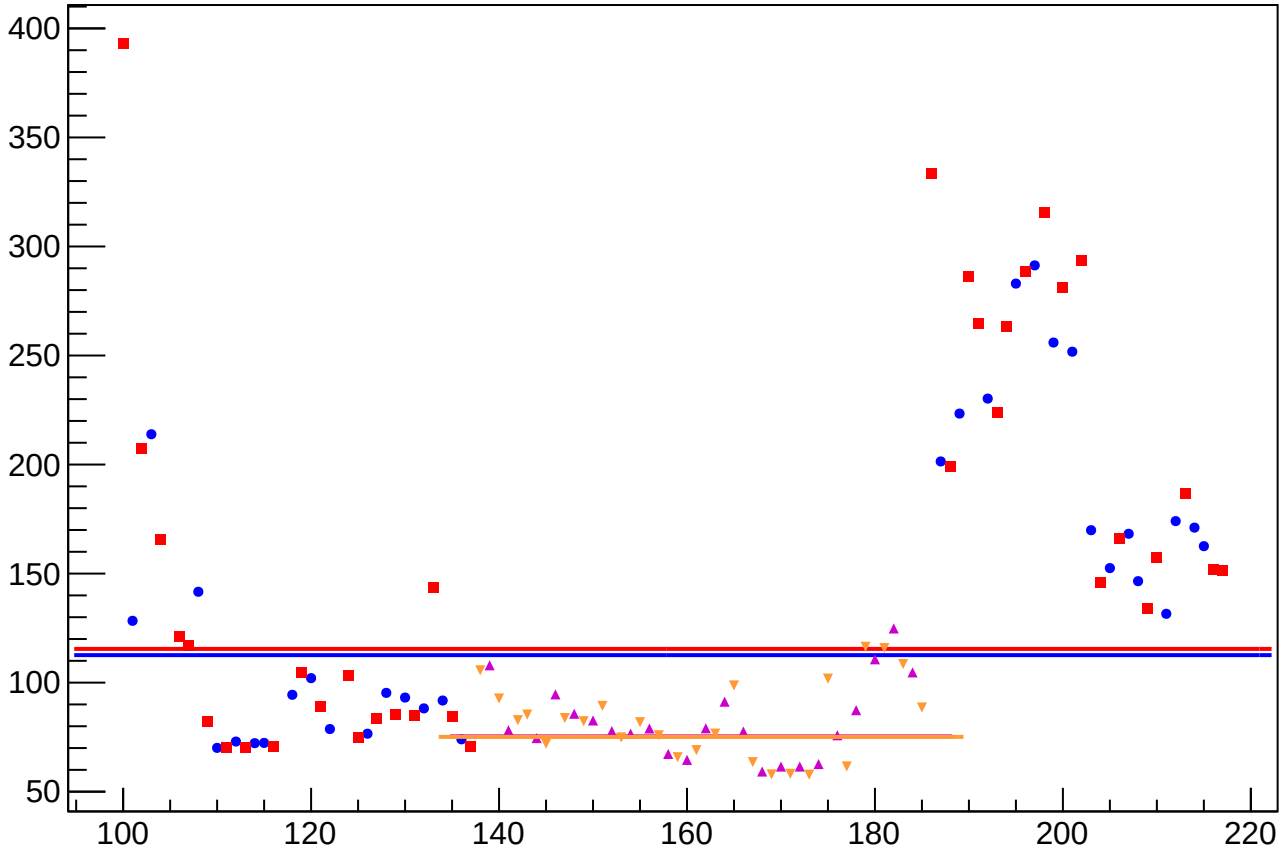
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 54.840+/-15.071 χ^2/NDF: 75.7/55

All: 7.278+/-10.777 χ^2/NDF: 190.0/114

- sign -42.493+/-15.418 χ^2/NDF: 93.9/58

dit_asym_sam_37_avg_rms vs Slug



Right In: 112.610+/-0.020 χ^2/NDF: 6345420.7/30

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

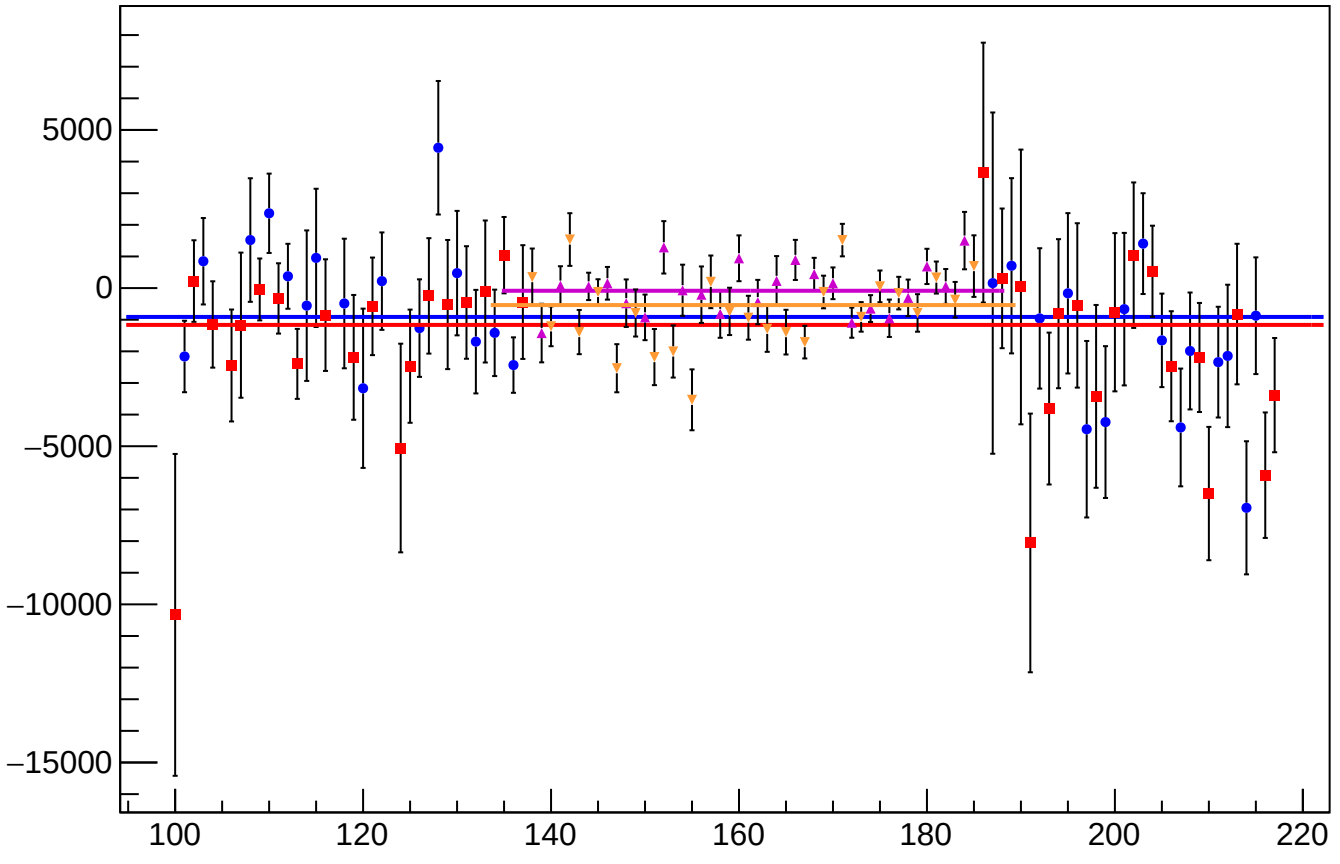
Right Out: 115.472+/-0.020 χ^2/NDF: 7776942.9/35

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 85.570+/-0.011 χ^2/NDF: 10433037.5/55

All: 86.234+/-0.008 χ^2/NDF: 22220751.0/114

- sign 86.928+/-0.011 χ^2/NDF: 11779787.8/58



Right In: -912.119+/-302.141 χ^2/NDF: 44.7/30

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -1164.170+/-297.580 χ^2/NDF: 38.2/35

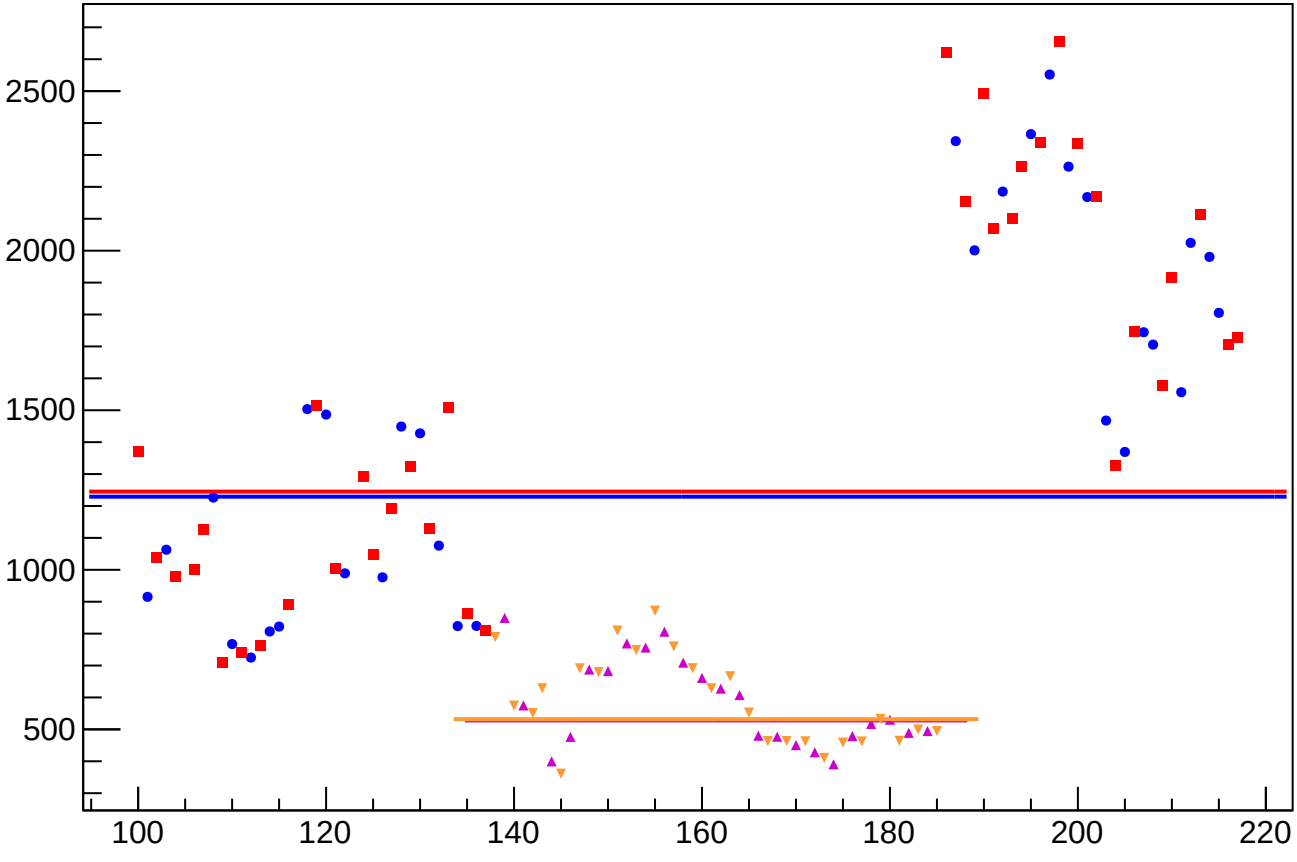
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -591.246+/-115.088 χ^2/NDF: 113.1/55

All: -423.729+/-81.991 χ^2/NDF: 194.2/114

- sign -251.079+/-116.838 χ^2/NDF: 76.8/58

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1229.177+/-0.214 χ^2/NDF: 5147219.8/30

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1245.022+/-0.210 χ^2/NDF: 6092117.8/35

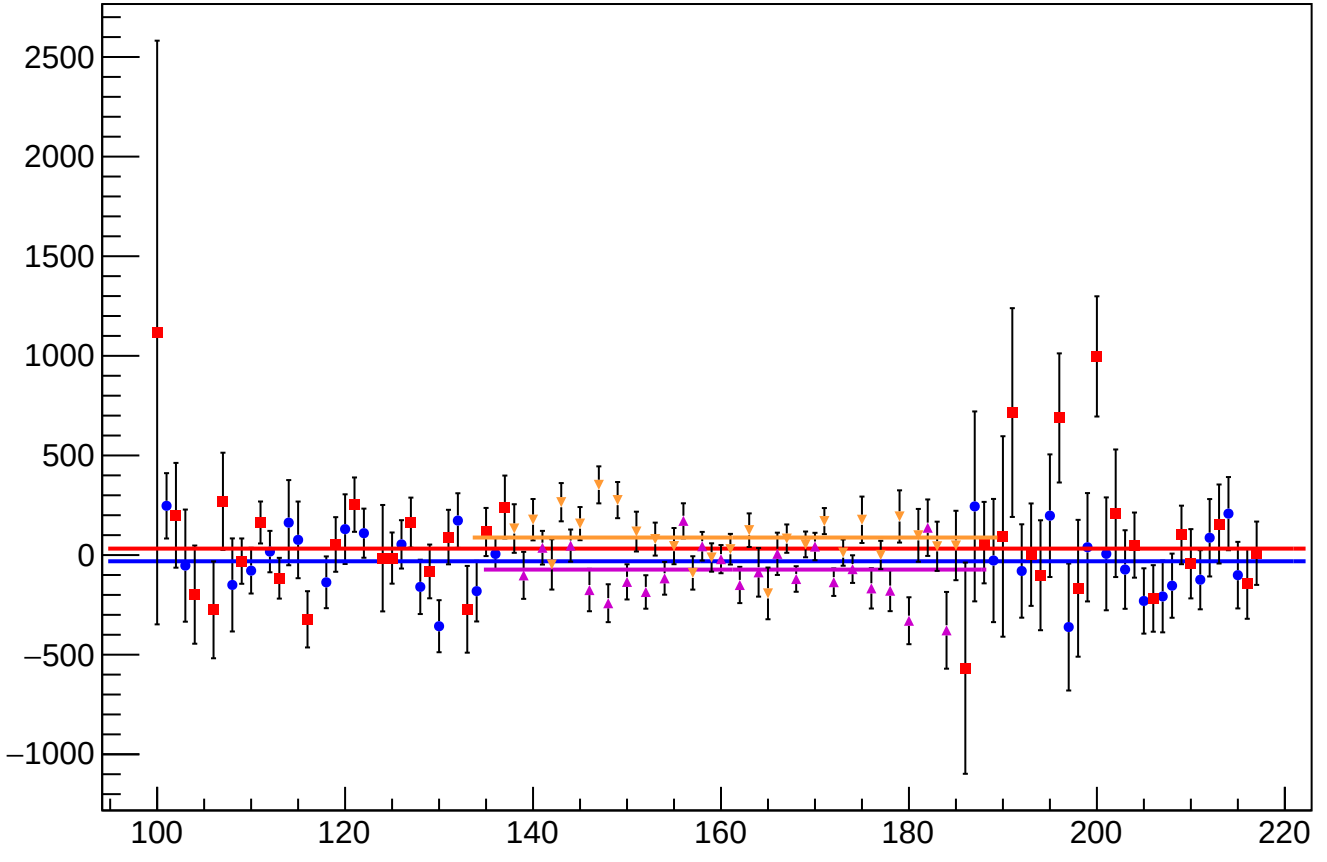
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 633.045+/-0.081 χ^2/NDF: 16291991.1/55

All: 635.741+/-0.058 χ^2/NDF: 34008680.0/11

- sign 638.521+/-0.083 χ^2/NDF: 17714459.2/58

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -31.129+/-28.554 χ^2/NDF: 26.3/30

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 32.436+/-28.713 χ^2/NDF: 45.9/35

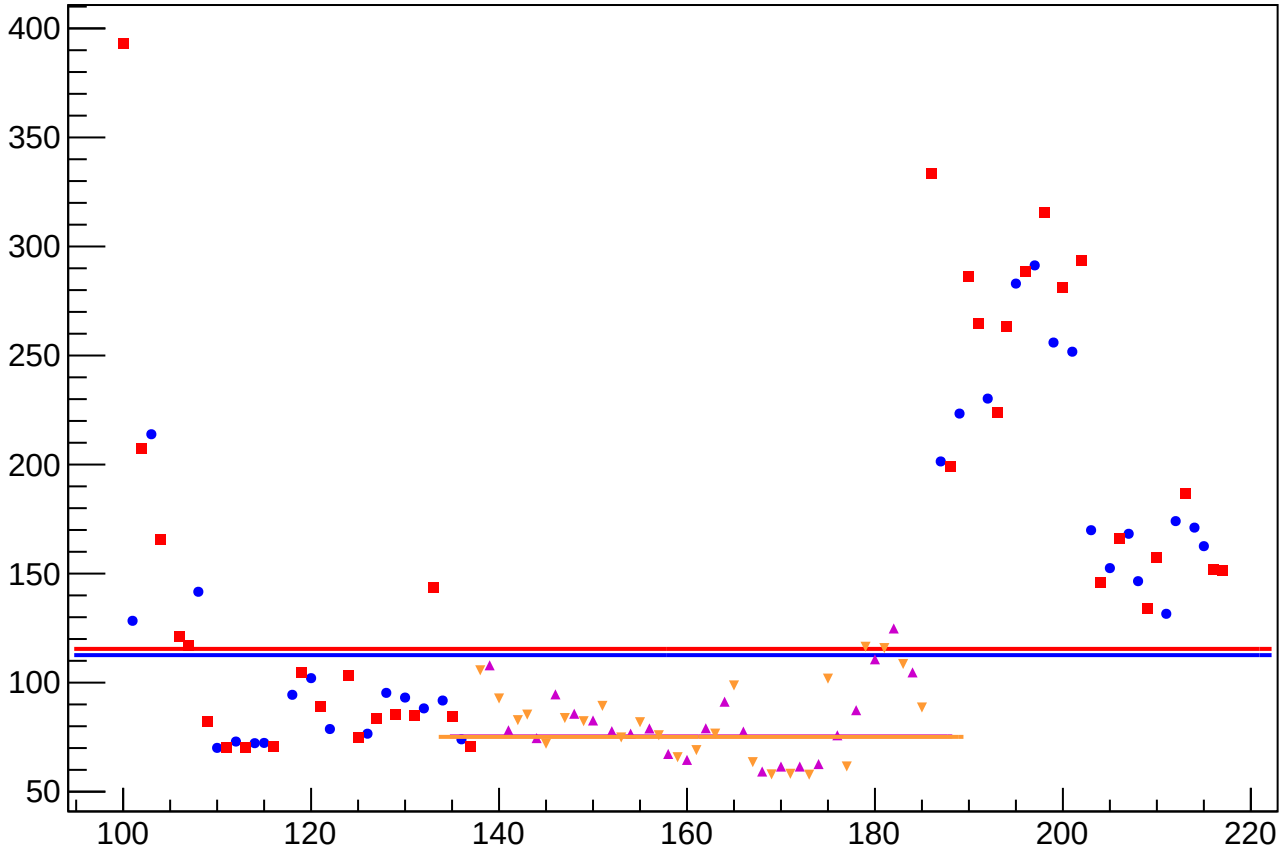
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 54.840+/-15.071 χ^2/NDF: 75.7/55

All: 7.279+/-10.777 χ^2/NDF: 190.0/114

- sign -42.492+/-15.418 χ^2/NDF: 93.9/58

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 112.611+/-0.020 χ^2/NDF: 6345374.6/30

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

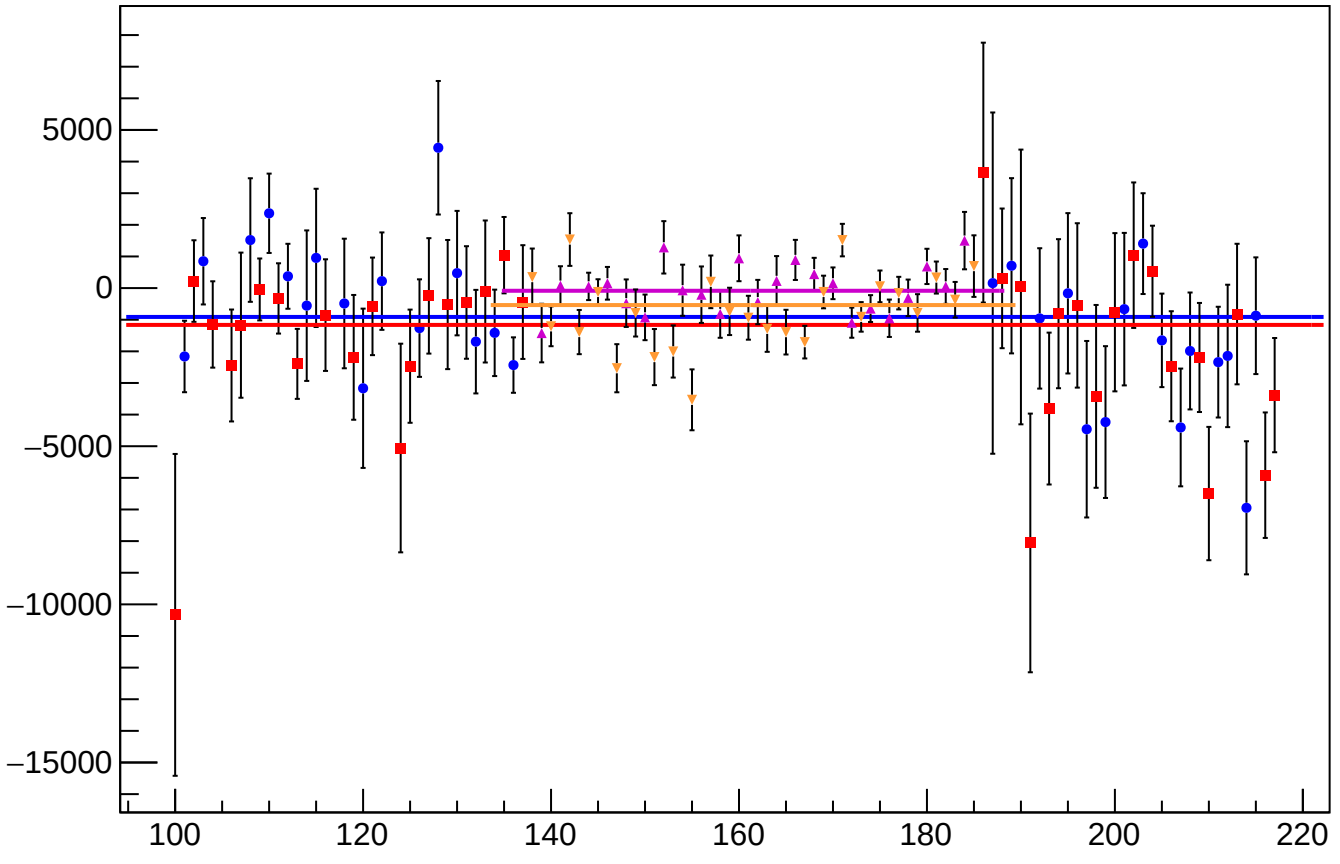
Right Out: 115.473+/-0.020 χ^2/NDF: 7776893.3/35

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 85.571+/-0.011 χ^2/NDF: 10432999.0/55

All: 86.234+/-0.008 χ^2/NDF: 22220684.9/114

- sign 86.928+/-0.011 χ^2/NDF: 11779760.2/58



Right In: -912.116+/-302.140 χ^2/NDF: 44.7/30

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

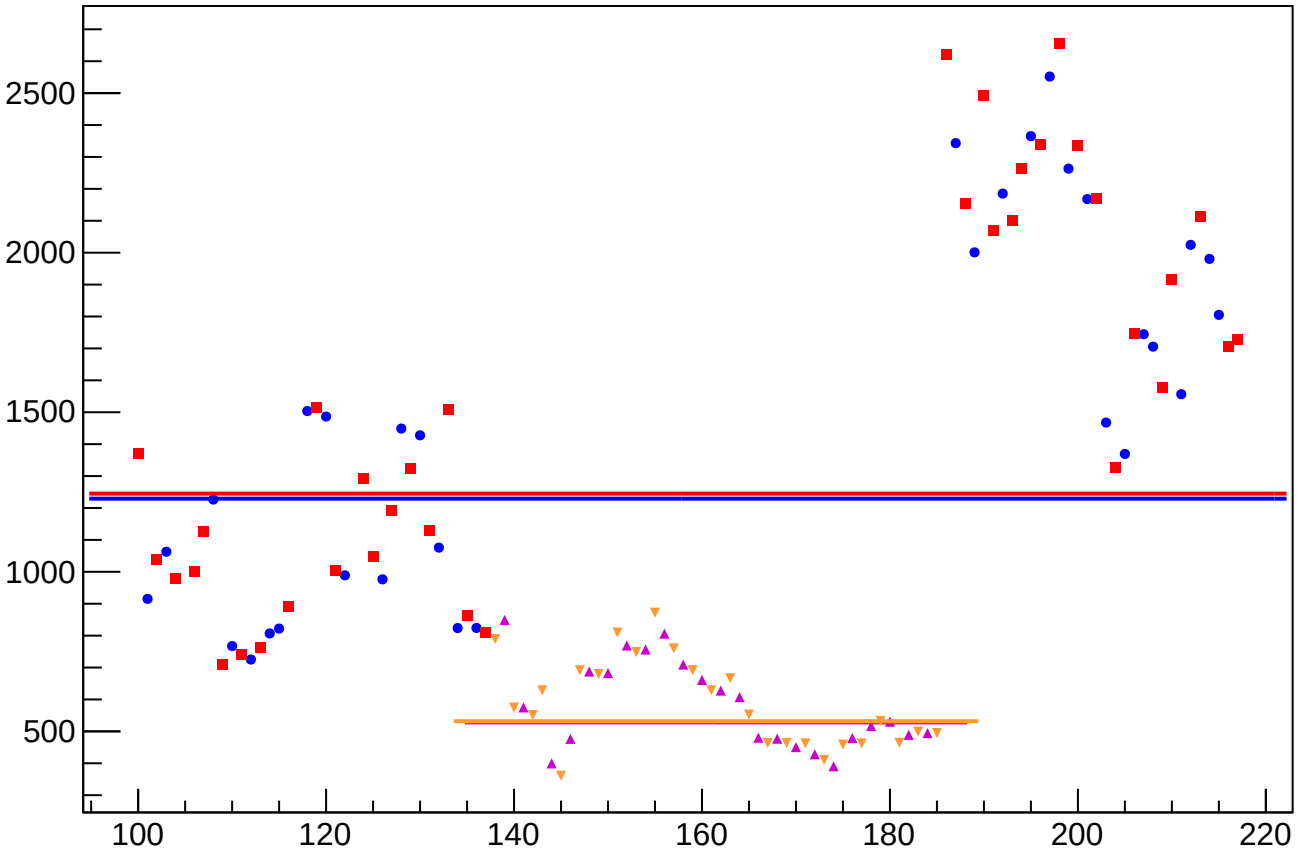
Right Out: -1164.168+/-297.580 χ^2/NDF: 38.2/35

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -591.246+/-115.088 χ^2/NDF: 113.1/55

All: -423.729+/-81.991 χ^2/NDF: 194.2/114

- sign -251.079+/-116.838 χ^2/NDF: 76.8/58



Right In: 1229.175+/-0.214 χ^2/NDF: 5147234.7/30

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1245.020+/-0.210 χ^2/NDF: 6092131.4/35

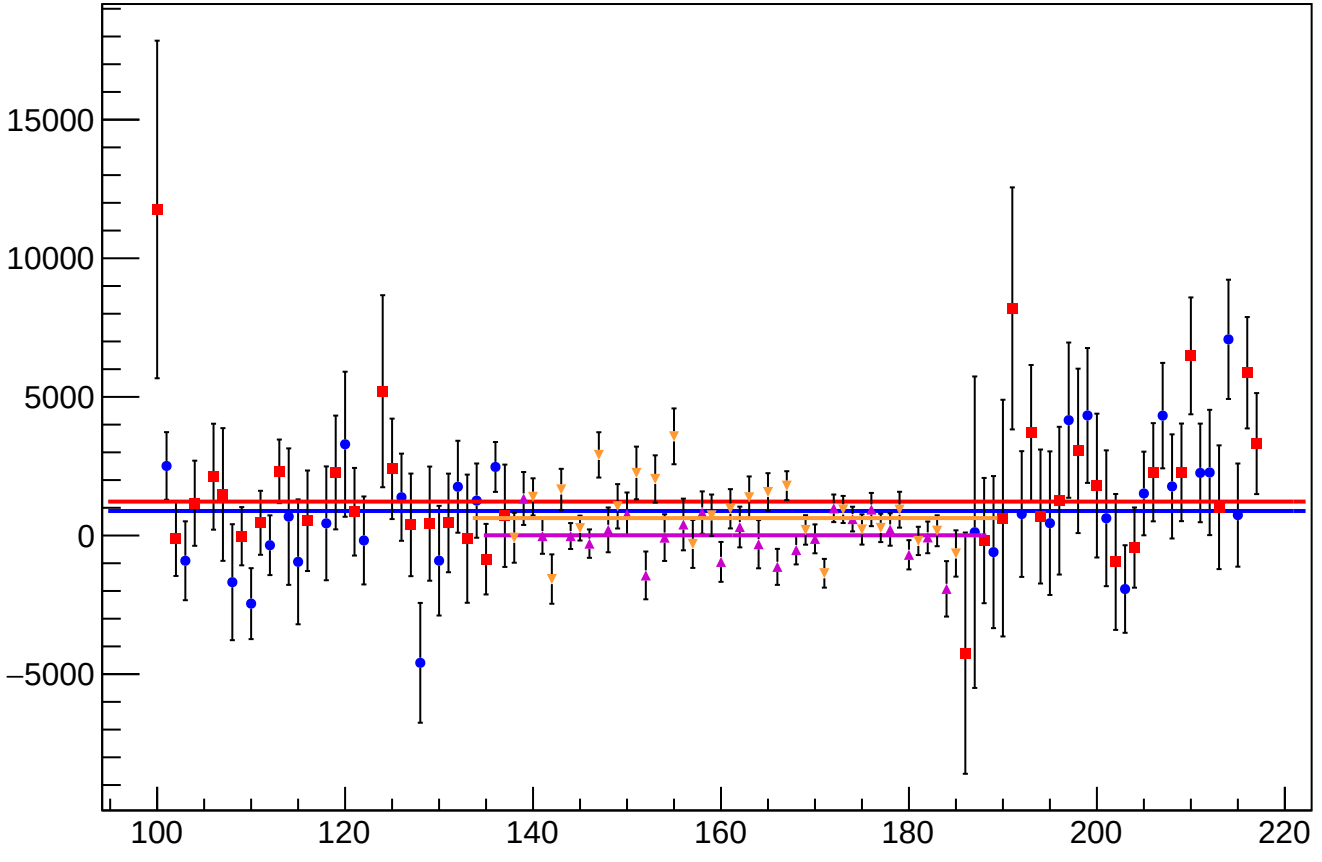
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 633.044+/-0.081 χ^2/NDF: 16291980.7/55

All: 635.741+/-0.058 χ^2/NDF: 34008652.7/11

- sign 638.520+/-0.083 χ^2/NDF: 17714442.2/58

asym_sam_37_avg_mean vs Slug



Right In: 885.212+/-309.646 χ^2/NDF: 45.7/30

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 1223.612+/-308.640 χ^2/NDF: 34.5/35

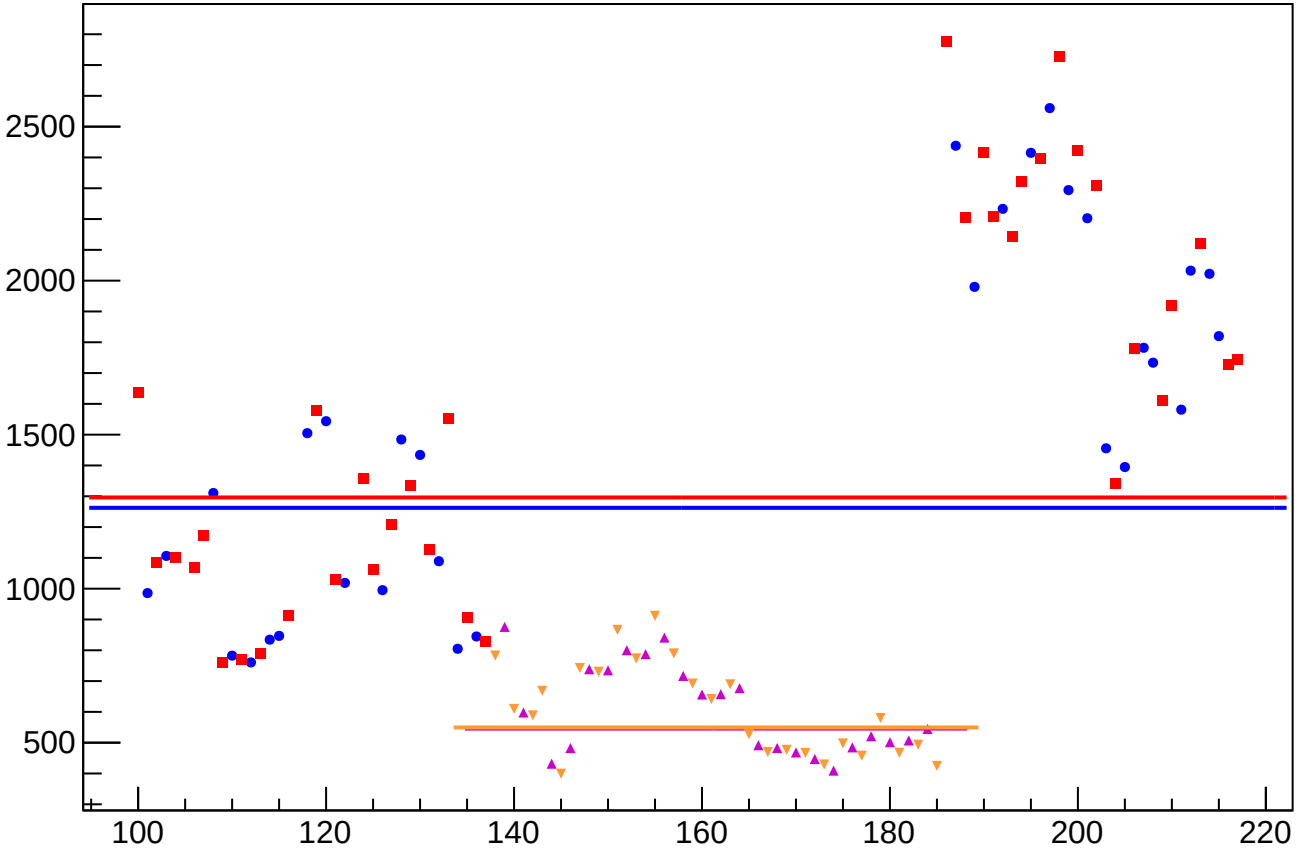
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 667.141+/-118.964 χ^2/NDF: 111.2/55

All: 434.539+/-84.766 χ^2/NDF: 193.9/114

- sign 194.650+/-120.813 χ^2/NDF: 75.0/58

asym_sam_37_avg_rms vs Slug



Right In: 1262.500+/-0.219 χ^2/NDF: 4967484.7/30

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1296.098+/-0.218 χ^2/NDF: 5803246.4/35

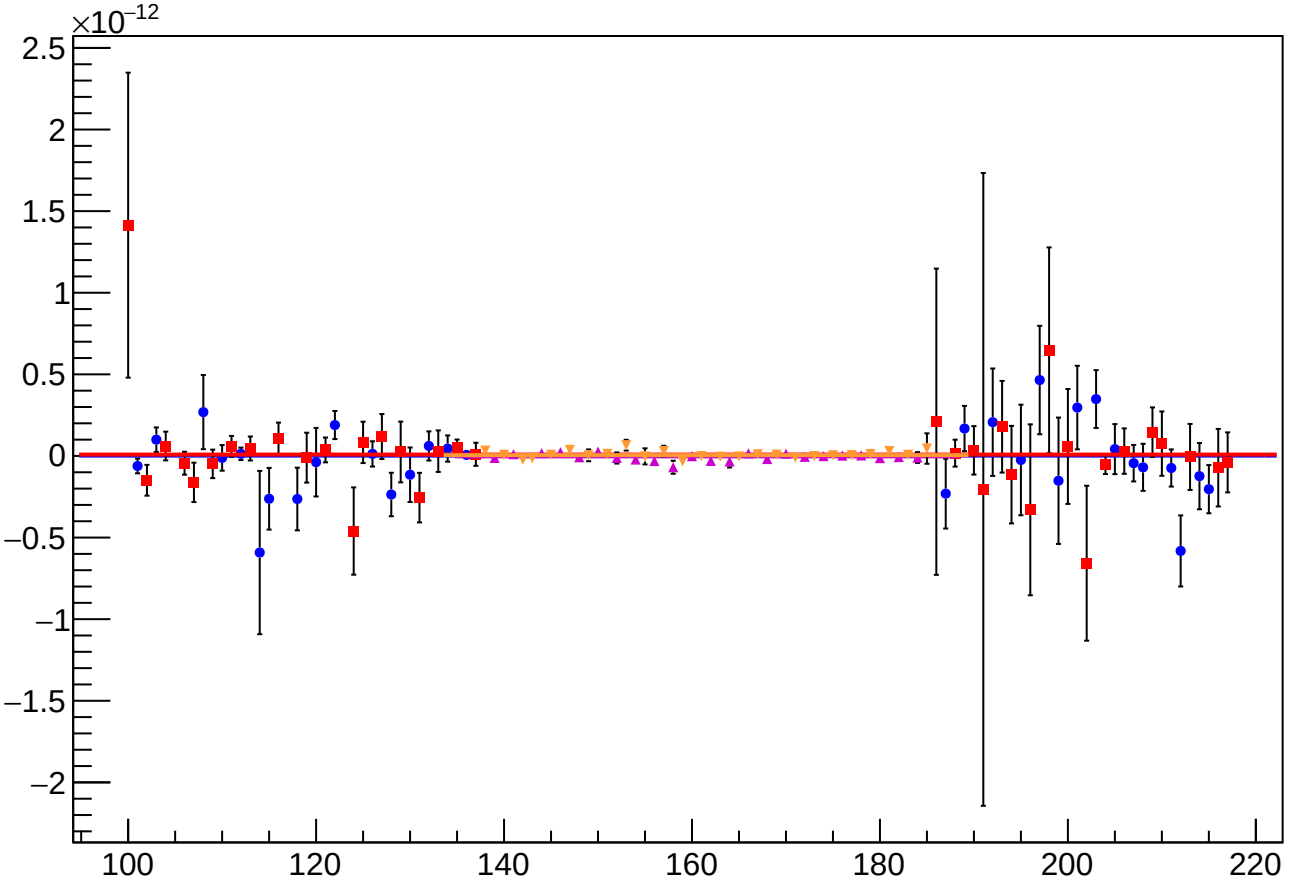
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 654.721+/-0.084 χ^2/NDF: 16061024.1/55

All: 657.657+/-0.060 χ^2/NDF: 33692067.4/11

- sign 660.685+/-0.085 χ^2/NDF: 17628568.7/58

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

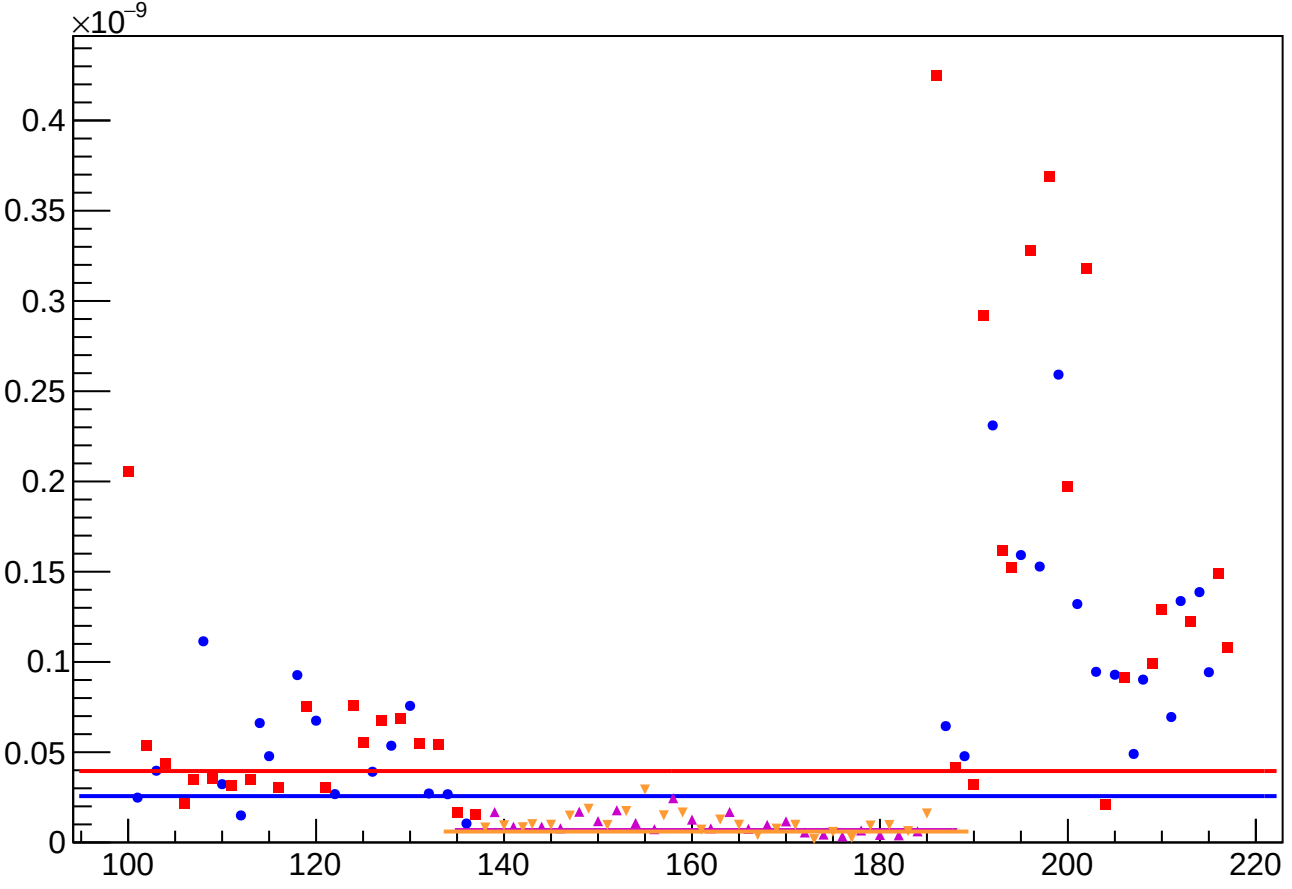
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/35

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/55

All: 0.000+/-0.000 χ^2/NDF: 103.5/114

- sign -0.000+/-0.000 χ^2/NDF: 45.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7965641.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6916674.2/35

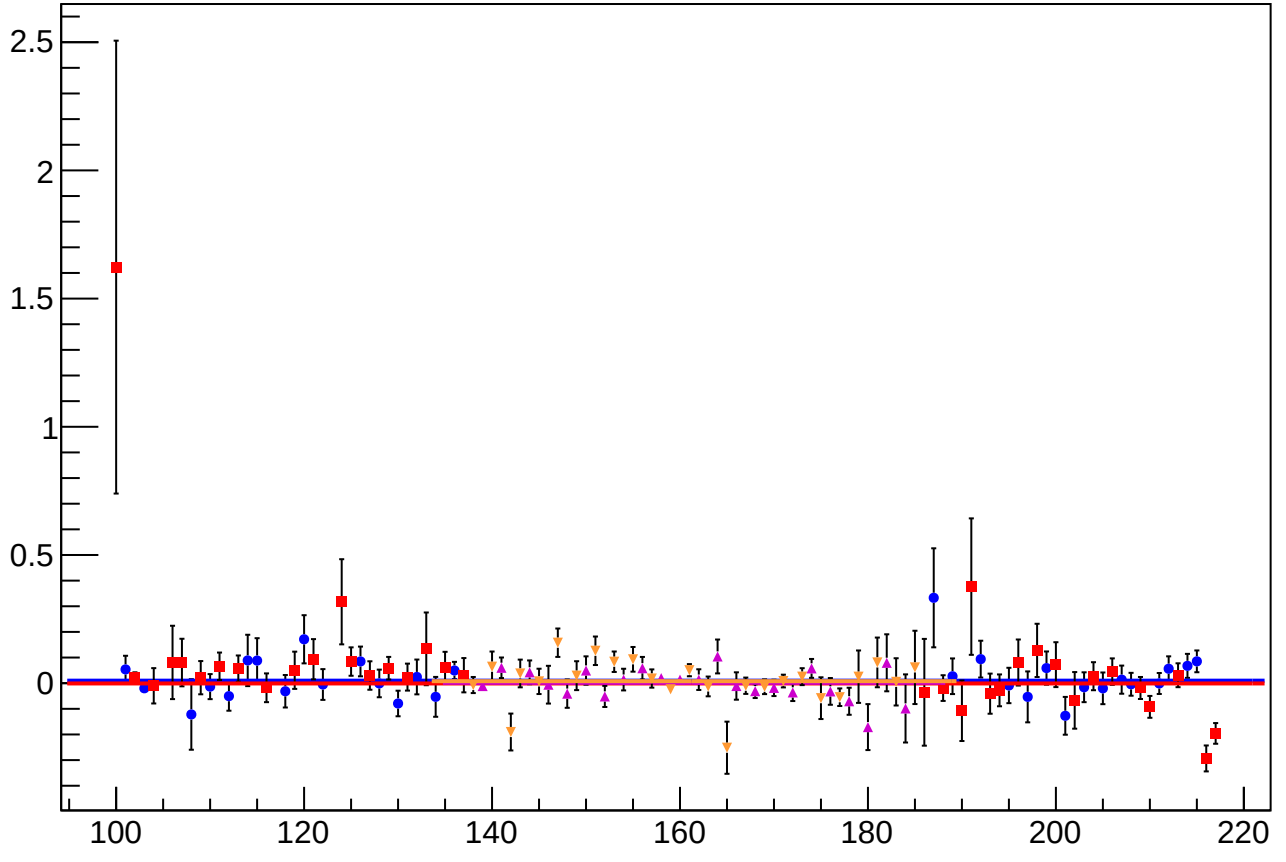
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15476190.7/55

All: 0.000+/-0.000 χ^2/NDF: 31185467.3/114

- sign 0.000+/-0.000 χ^2/NDF: 15612534.1/58

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

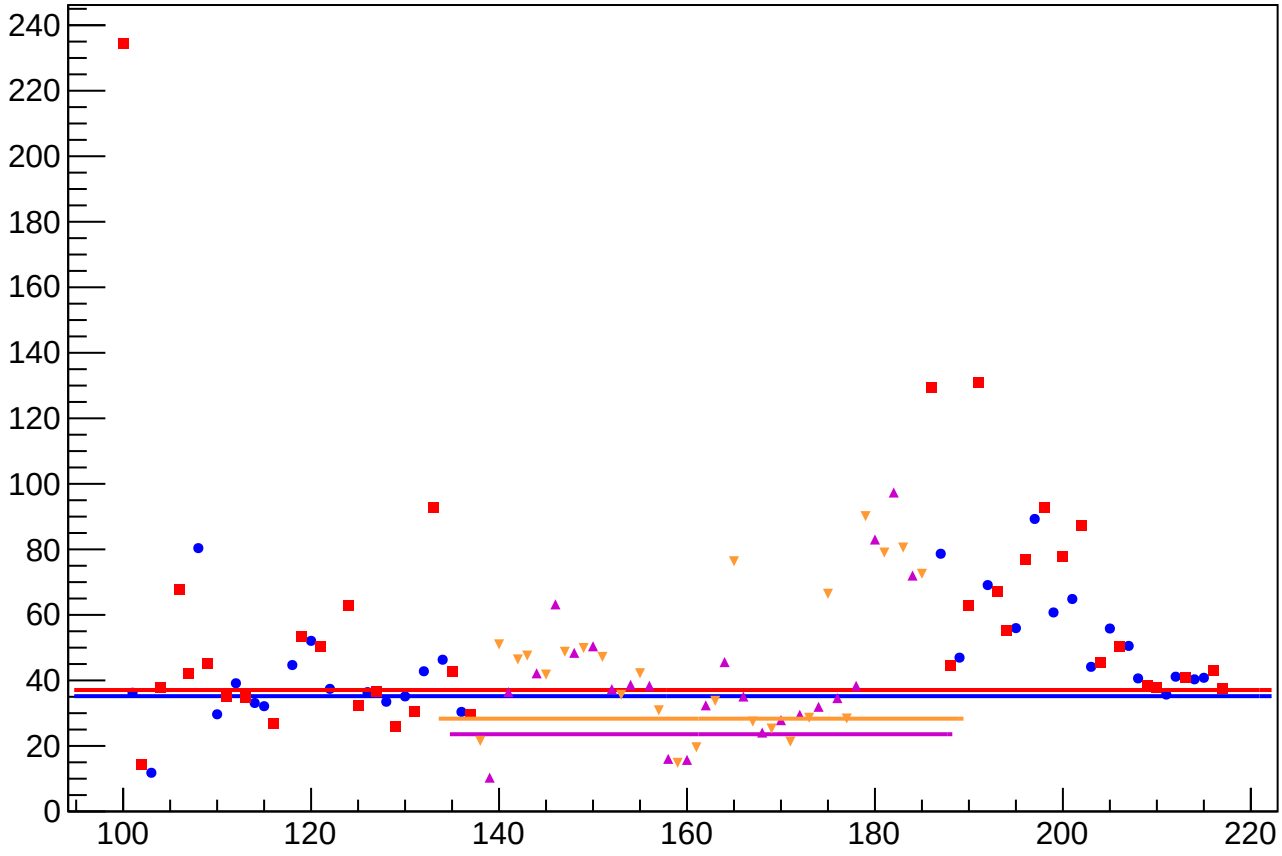
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.009+/-0.006 χ^2/NDF: 79.6/55

All: 0.004+/-0.004 χ^2/NDF: 196.8/114

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.194+/-0.007 χ^2/NDF: 5873617.4/30

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

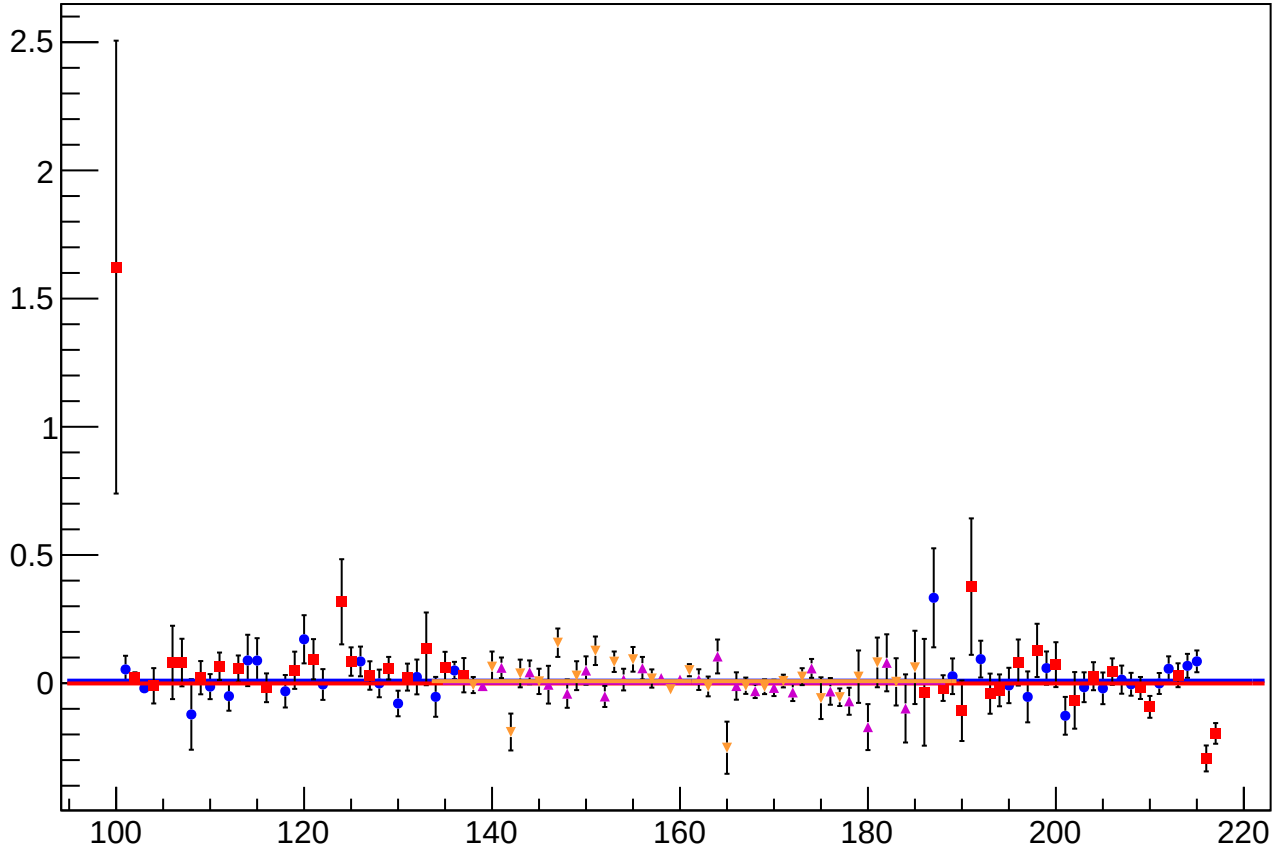
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.056+/-0.004 χ^2/NDF: 13315438.5/55

All: 29.491+/-0.003 χ^2/NDF: 31045635.0/114

- sign 28.099+/-0.004 χ^2/NDF: 17462753.9/58

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

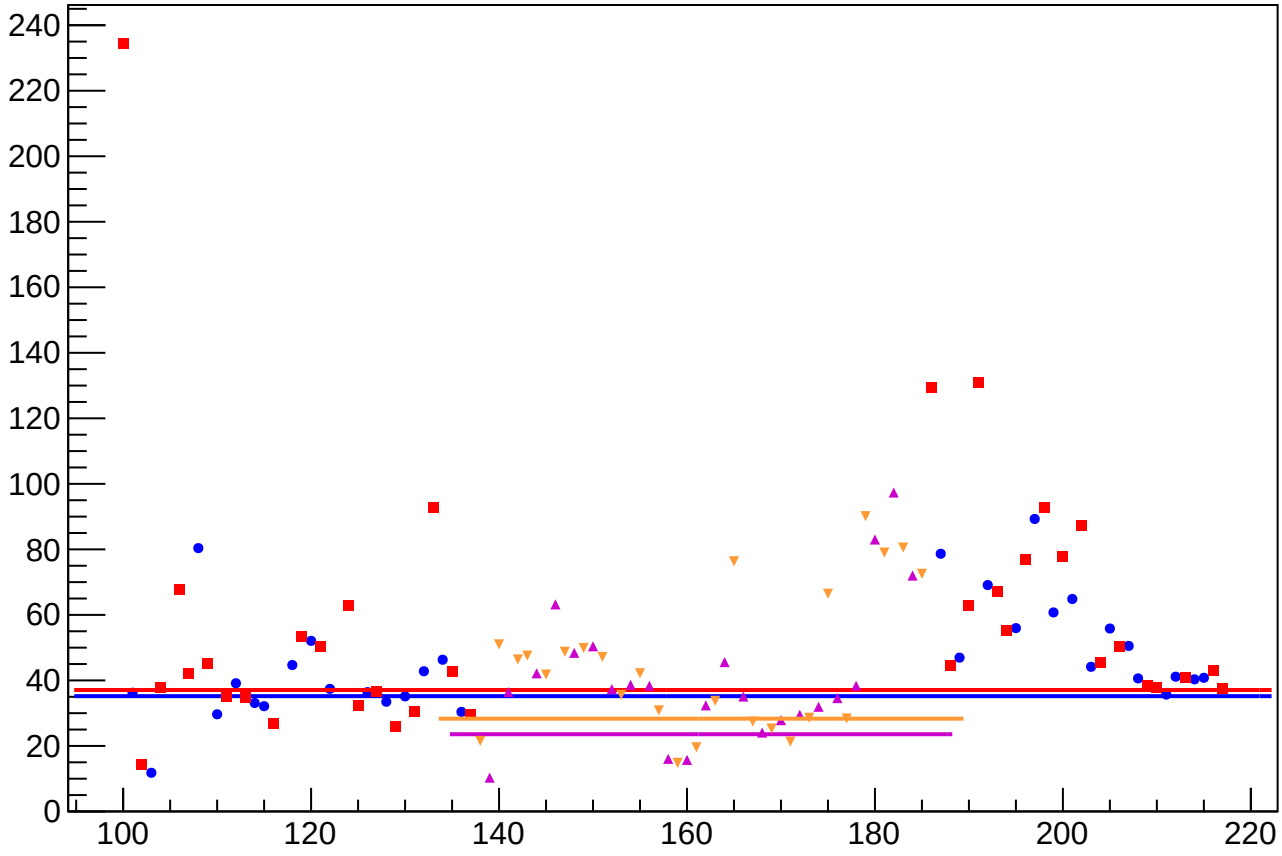
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.009+/-0.006 χ^2/NDF: 79.6/55

All: 0.004+/-0.004 χ^2/NDF: 196.8/114

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.194+/-0.007 χ^2/NDF: 5873617.4/30

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

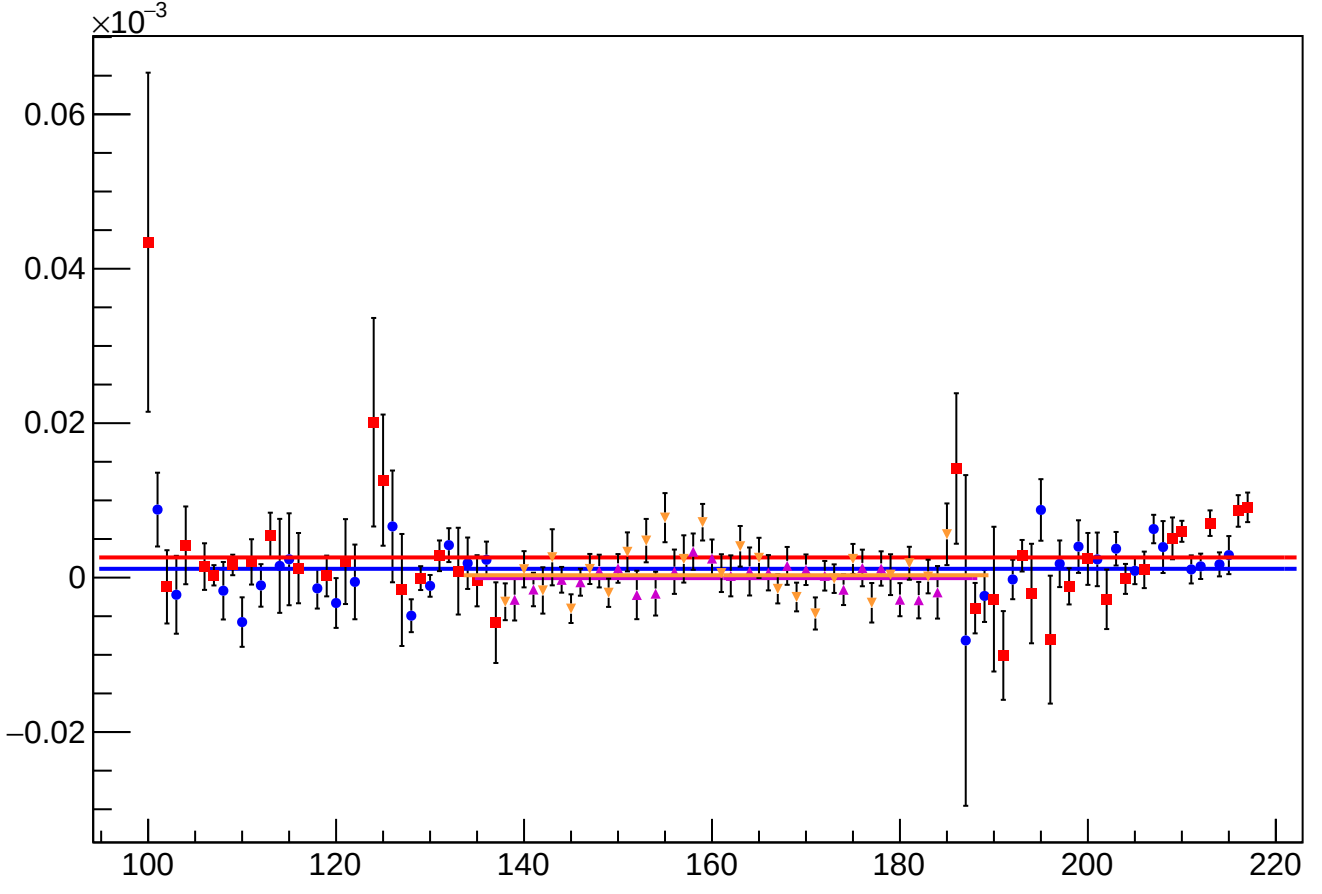
Right Out: 37.070+/-0.007 χ^2/NDF: 6561311.5/35

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.056+/-0.004 χ^2/NDF: 13315438.5/55

All: 29.491+/-0.003 χ^2/NDF: 31045635.0/114

- sign 28.099+/-0.004 χ^2/NDF: 17462753.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

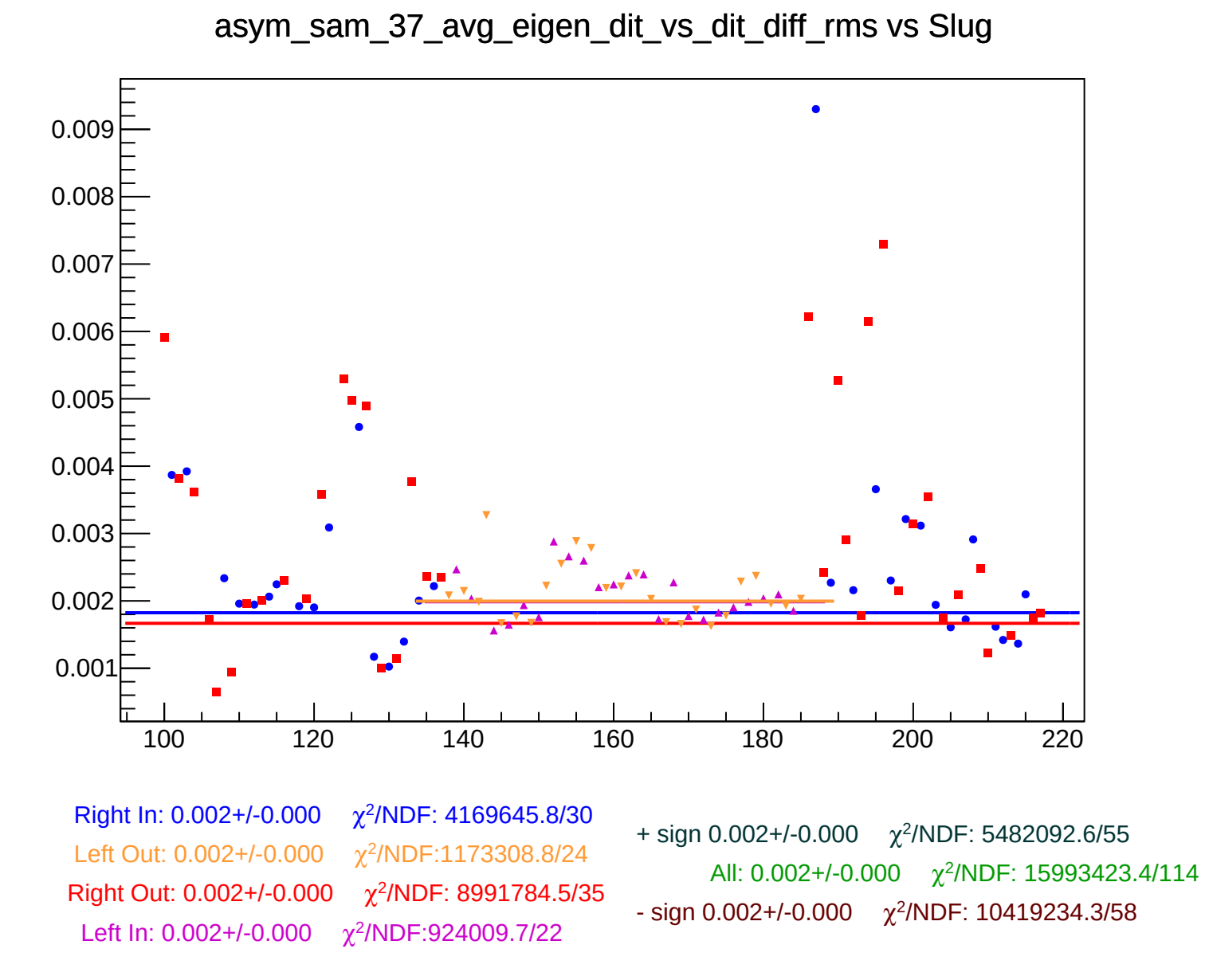
Right Out: 0.000+/-0.000 χ^2/NDF: 74.2/35

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

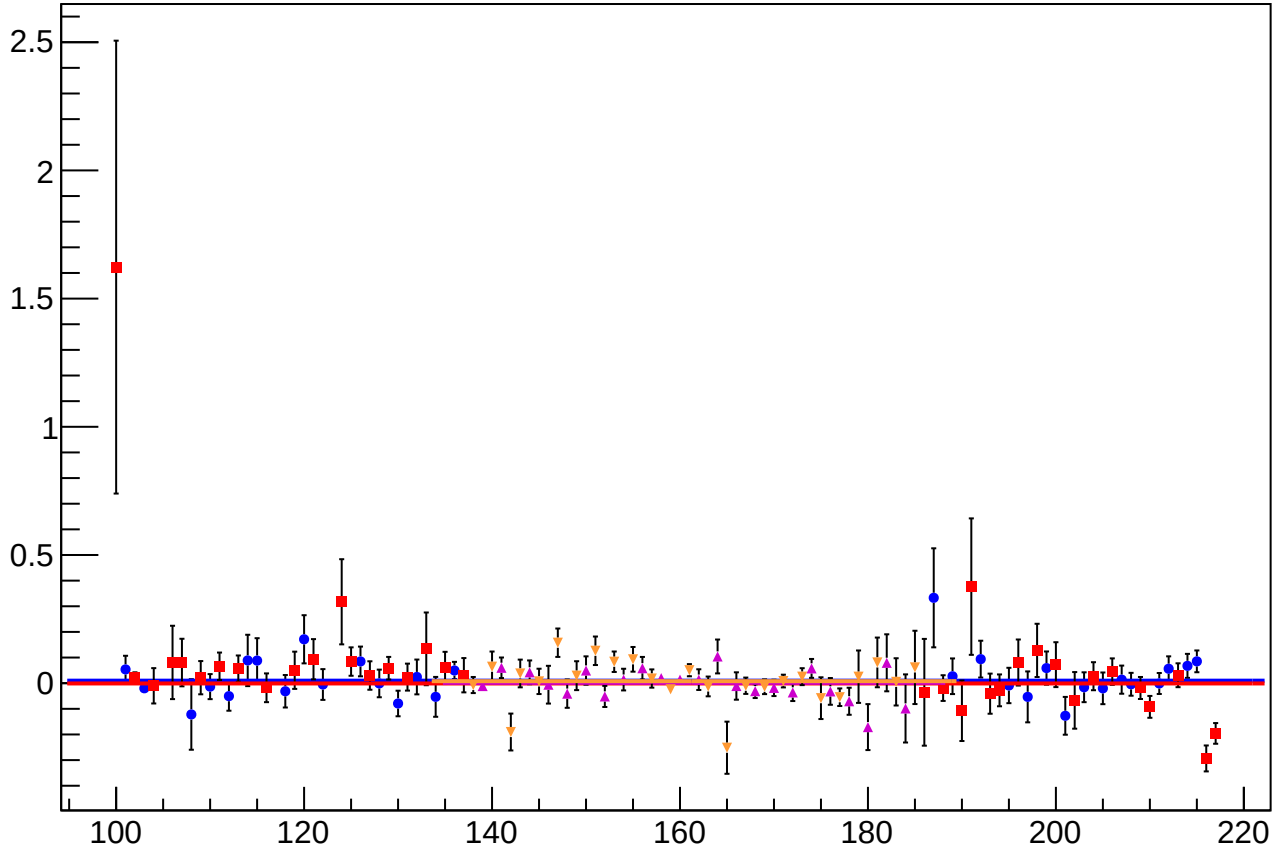
+ sign 0.000+/-0.000 χ^2/NDF: 89.3/55

All: 0.000+/-0.000 χ^2/NDF: 195.5/114

- sign 0.000+/-0.000 χ^2/NDF: 104.0/58


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 4169645.8/30
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 8991784.5/35
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5482092.6/55
All: 0.002+/-0.000 χ²/NDF: 15993423.4/114
- sign 0.002+/-0.000 χ²/NDF: 10419234.3/58

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

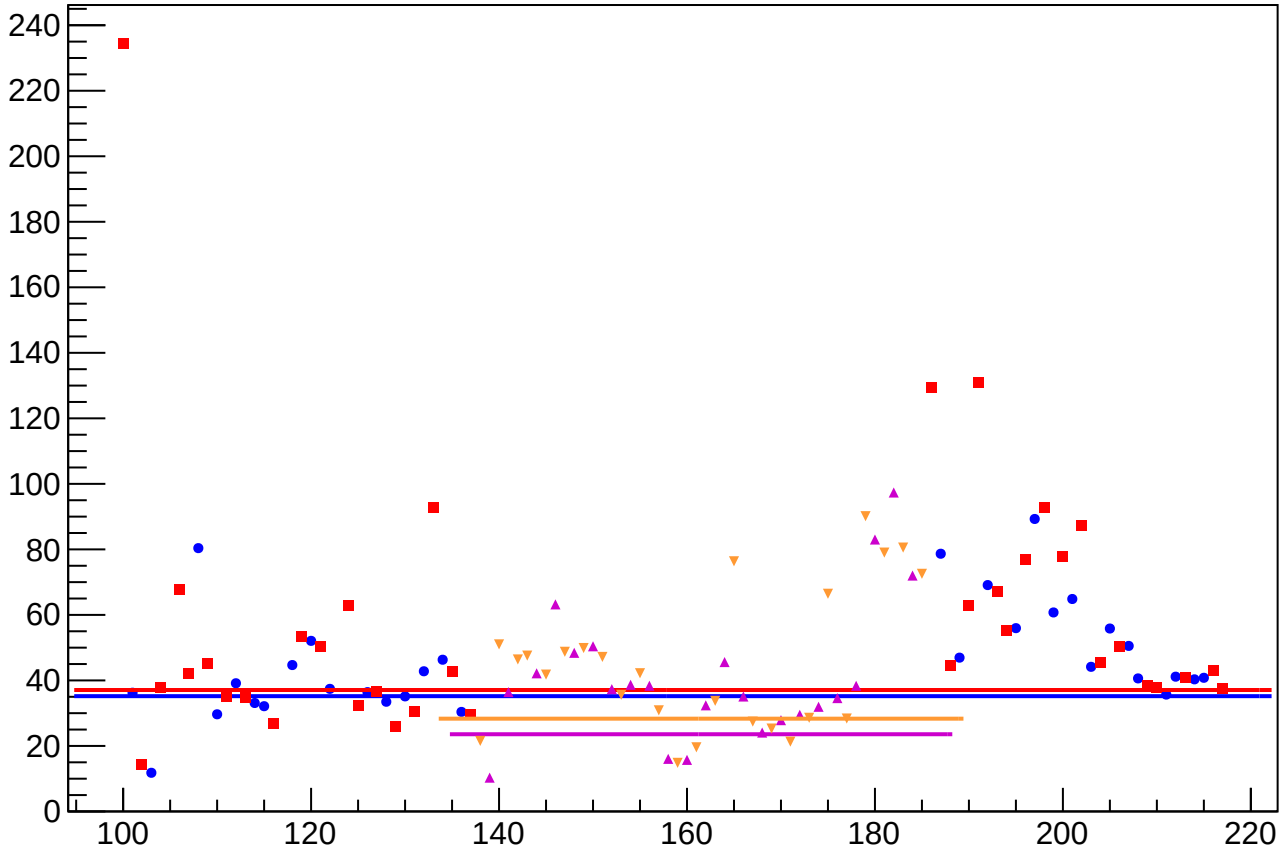
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.009+/-0.006 χ^2/NDF: 79.6/55

All: 0.004+/-0.004 χ^2/NDF: 196.7/114

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.194+/-0.007 χ^2/NDF: 5874060.6/30

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

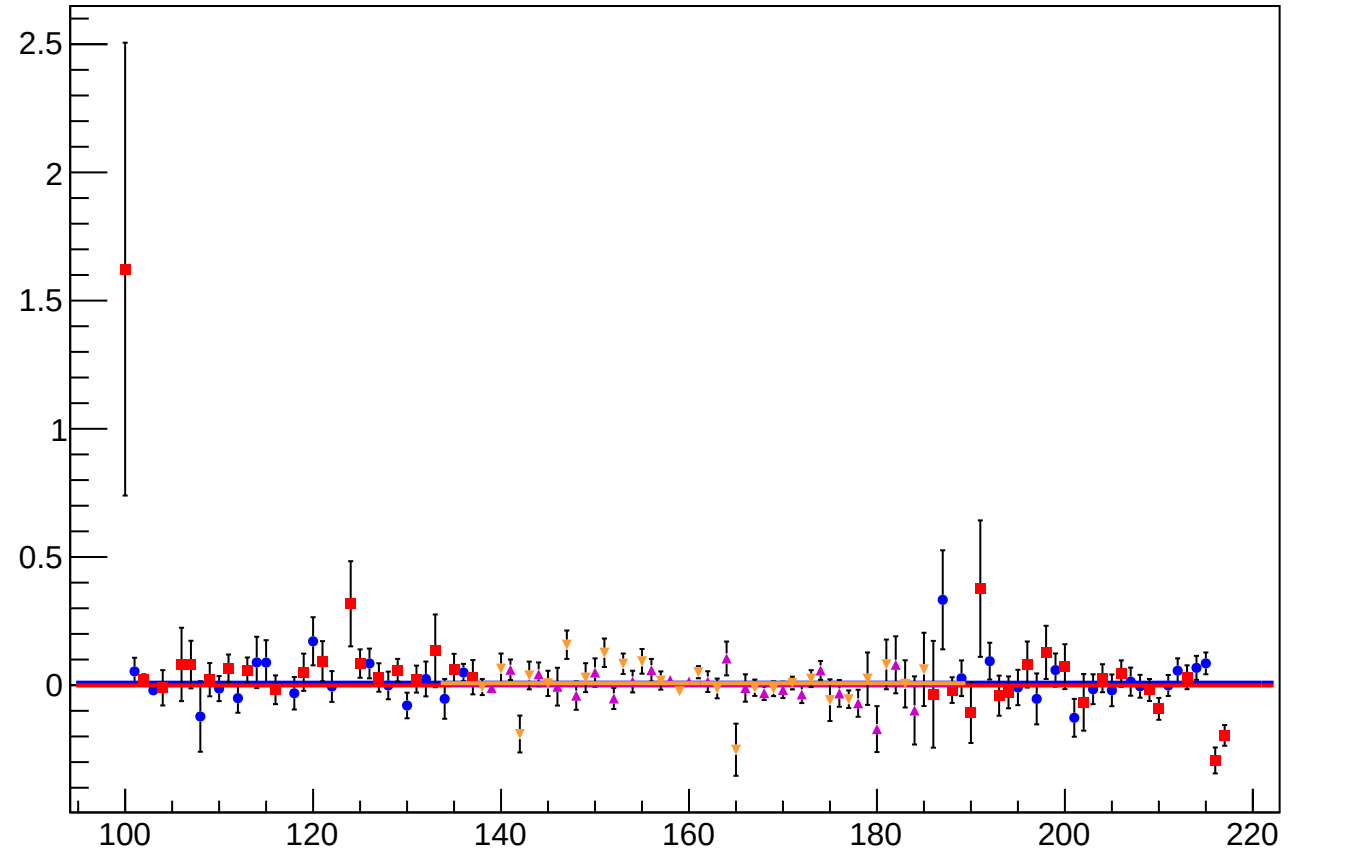
Right Out: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.055+/-0.004 χ^2/NDF: 13316311.9/55

All: 29.491+/-0.003 χ^2/NDF: 31047529.0/114

- sign 28.098+/-0.004 χ^2/NDF: 17463772.2/58



Right In: 0.010+/-0.009 χ^2/NDF: 32.0/30

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

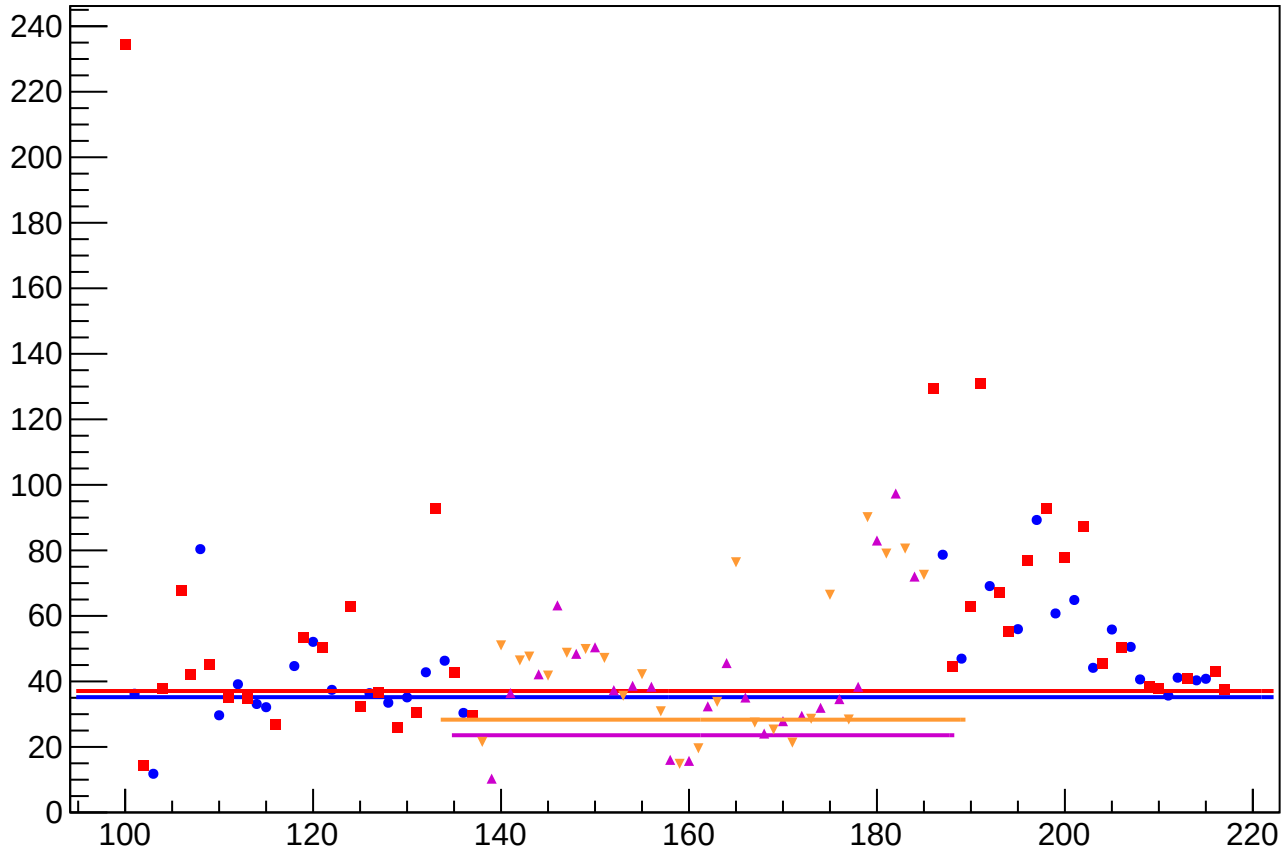
Right Out: -0.001+/-0.010 χ^2/NDF: 90.9/35

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.009+/-0.006 χ^2/NDF: 79.6/55

All: 0.004+/-0.004 χ^2/NDF: 196.7/114

- sign 0.001+/-0.006 χ^2/NDF: 116.1/58



Right In: 35.194+/-0.007 χ^2/NDF: 5874060.6/30

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

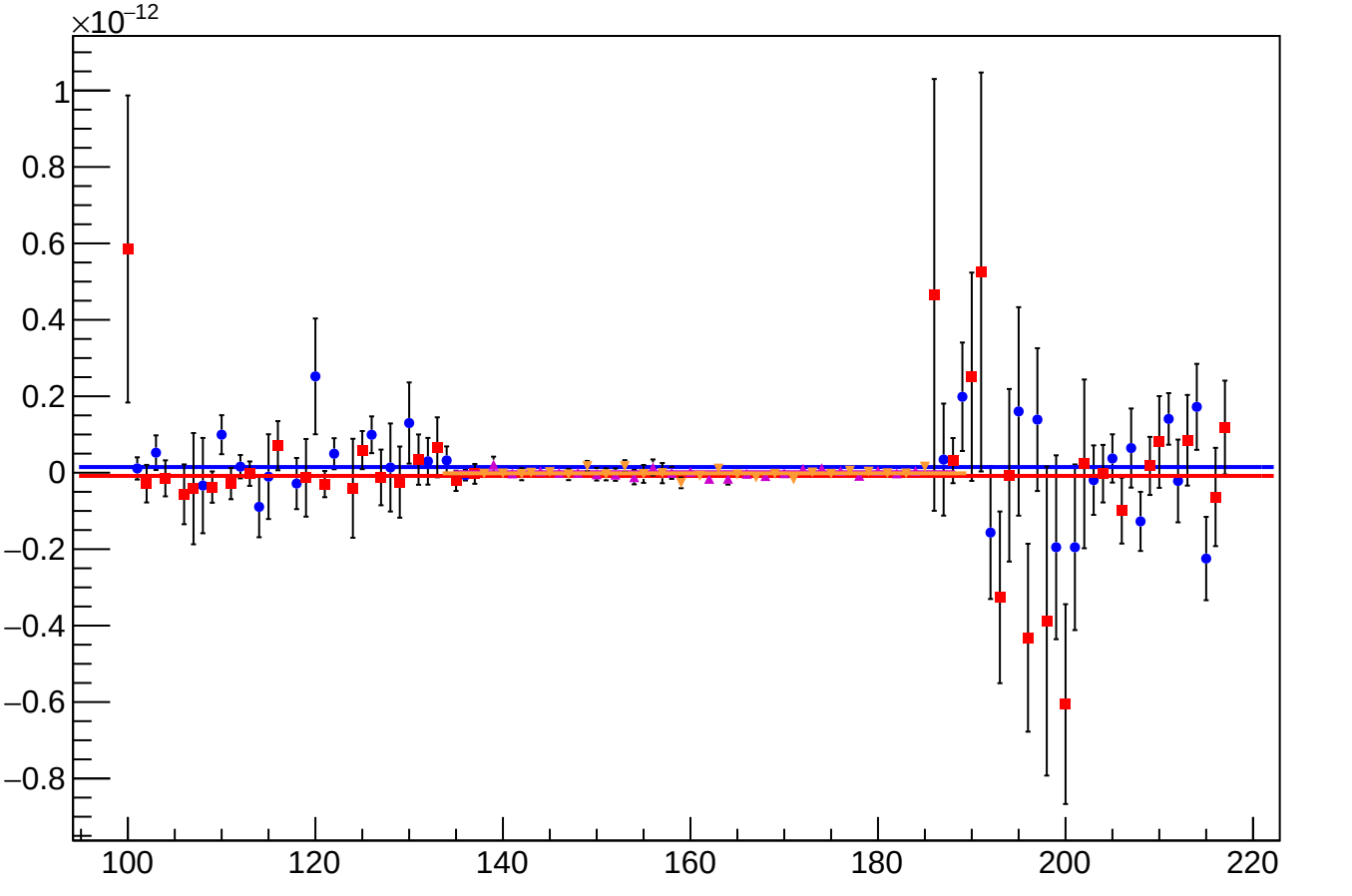
Right Out: 37.072+/-0.007 χ^2/NDF: 6560086.4/35

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.055+/-0.004 χ^2/NDF: 13316311.9/55

All: 29.491+/-0.003 χ^2/NDF: 31047529.0/114

- sign 28.098+/-0.004 χ^2/NDF: 17463772.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

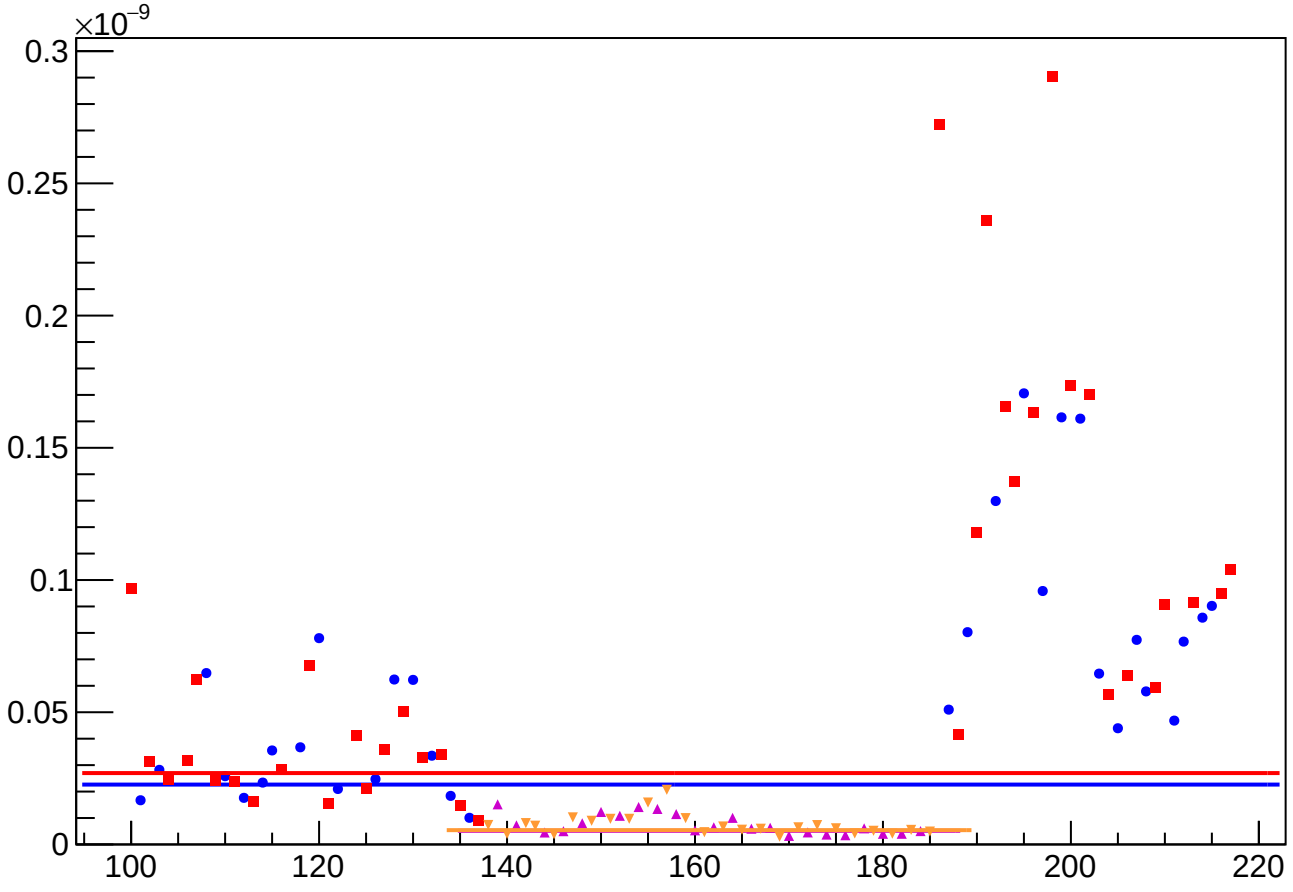
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/35

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.1/55

All: 0.000+/-0.000 χ^2/NDF: 100.4/114

- sign 0.000+/-0.000 χ^2/NDF: 43.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 10396178.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11391991.7/35

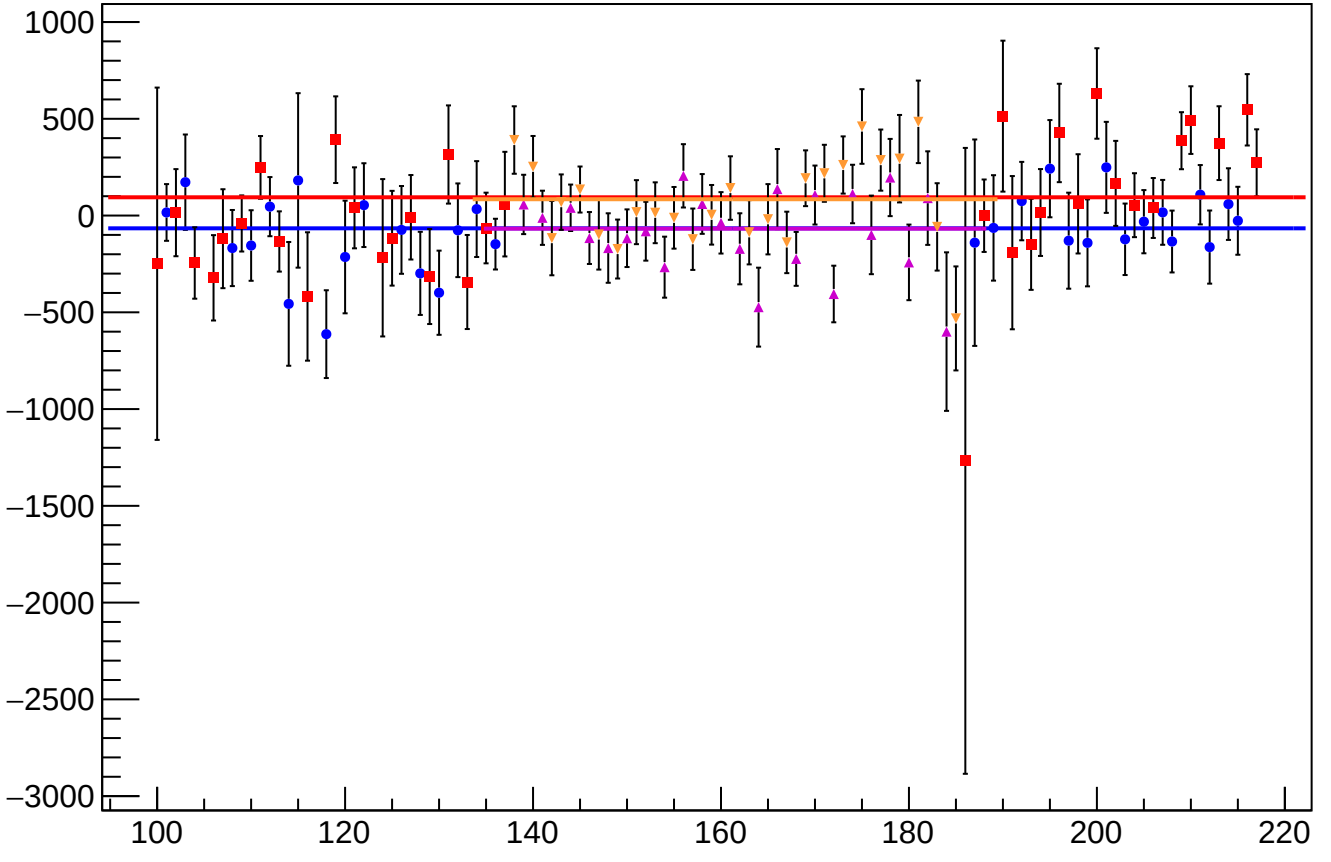
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20611076.3/55

All: 0.000+/-0.000 χ^2/NDF: 44388857.1/114

- sign 0.000+/-0.000 χ^2/NDF: 23753464.8/58

reg_asym_sam_48_avg_mean vs Slug



Right In: -65.999+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.356+/-35.390 χ^2/NDF: 54.7/35

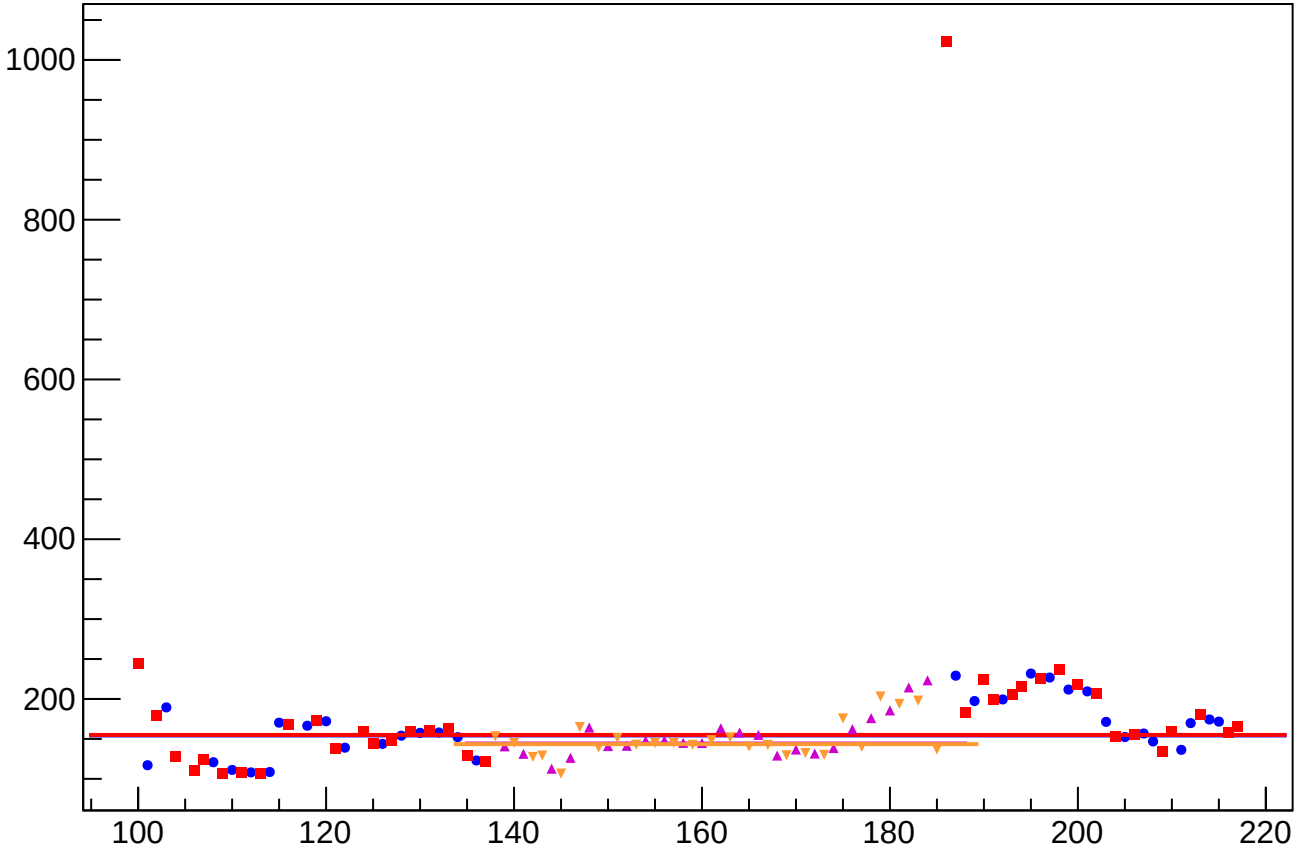
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 15.777+/-24.366 χ^2/NDF: 64.4/55

All: 13.129+/-17.301 χ^2/NDF: 156.5/114

- sign 10.436+/-24.570 χ^2/NDF: 92.1/58

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.360+/-0.026 χ^2/NDF: 1605700.4/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.972+/-0.025 χ^2/NDF: 2525178.1/35

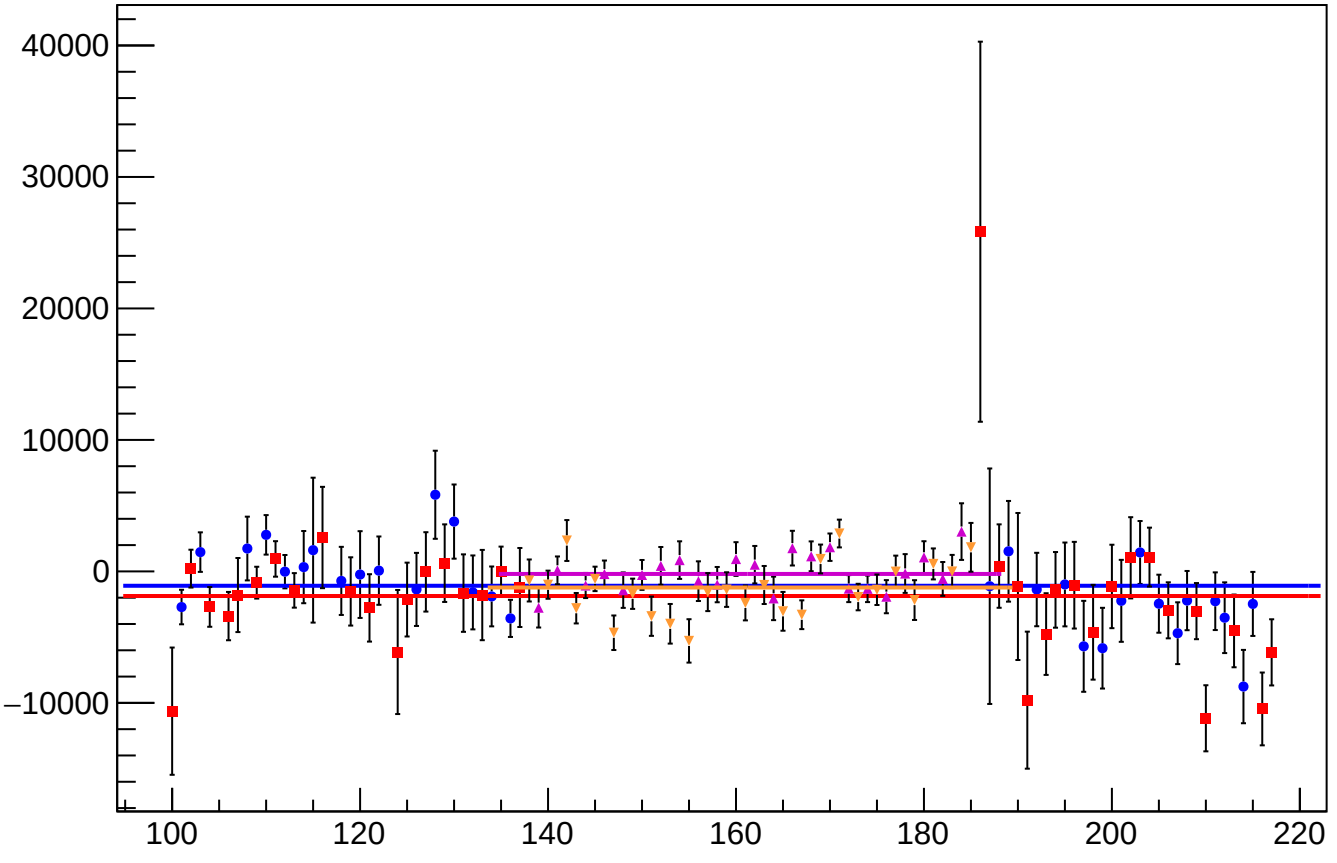
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.421+/-0.017 χ^2/NDF: 2452318.2/55

All: 148.895+/-0.012 χ^2/NDF: 5778244.9/114

- sign 149.377+/-0.017 χ^2/NDF: 3324402.3/58

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1092.782+/-408.963 χ^2/NDF: 42.3/30

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1872.083+/-390.872 χ^2/NDF: 54.4/35

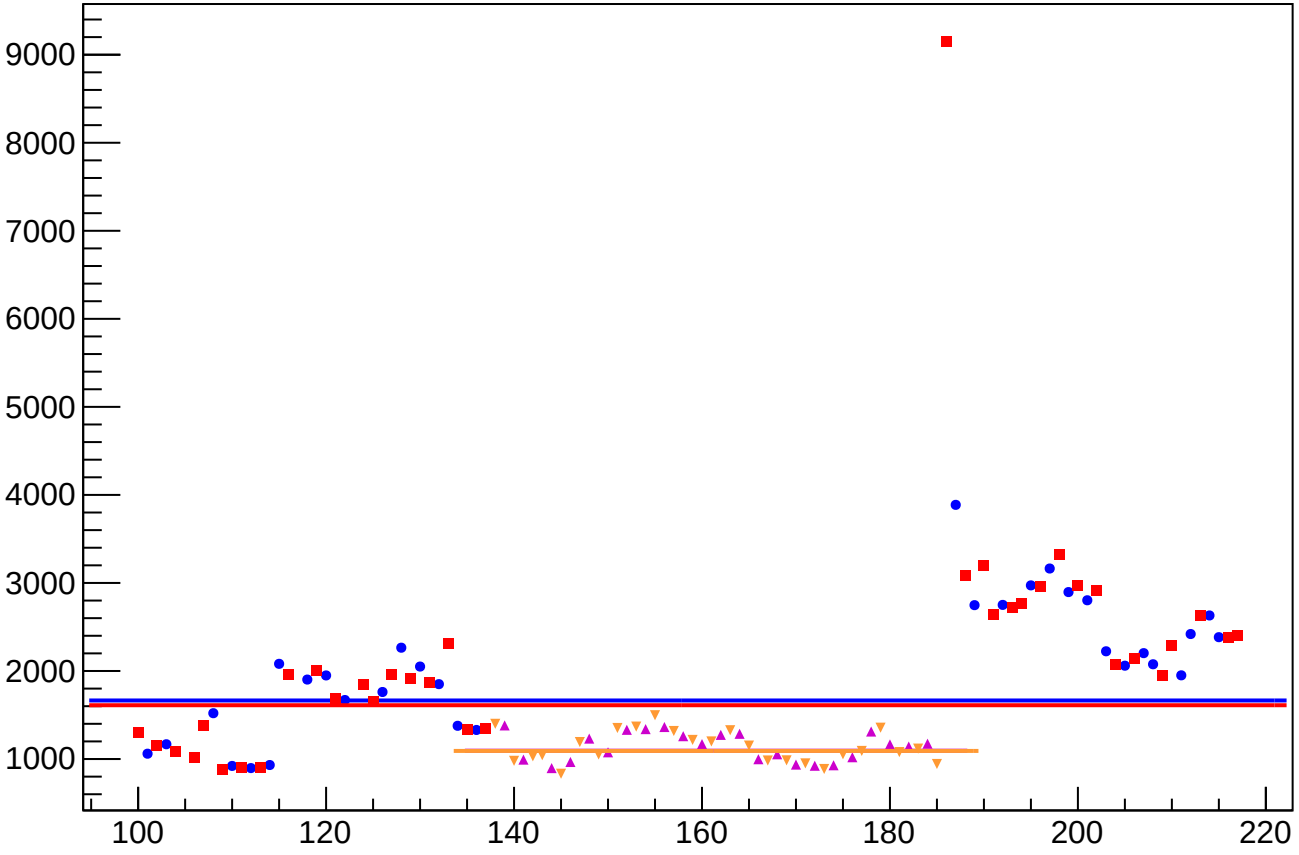
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1188.697+/-214.397 χ^2/NDF: 101.7/55

All: -948.810+/-152.115 χ^2/NDF: 194.7/114

- sign -705.641+/-215.858 χ^2/NDF: 90.5/58

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1665.017+/-0.289 χ^2/NDF: 5151119.2/30

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1611.011+/-0.276 χ^2/NDF: 7143950.9/35

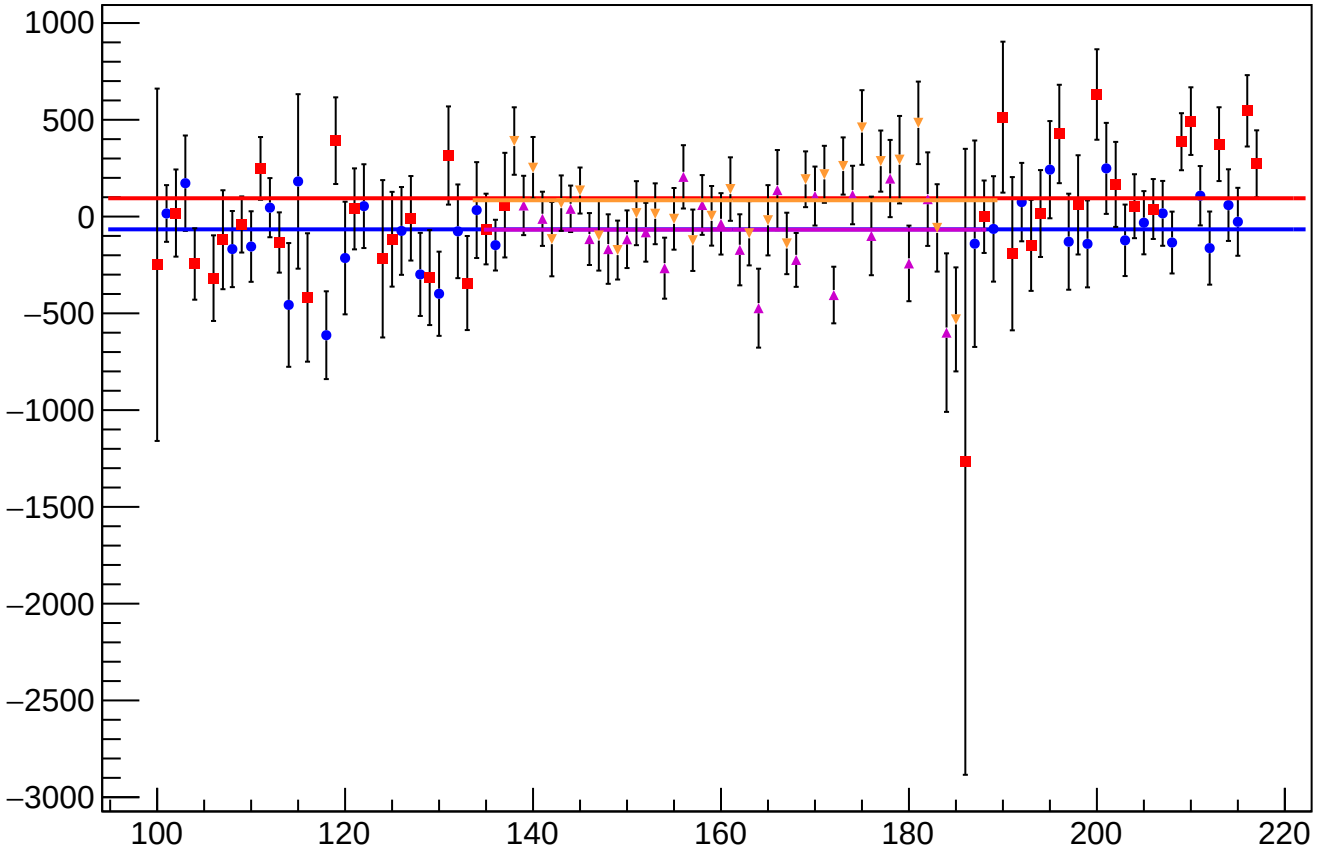
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1249.469+/-0.152 χ^2/NDF: 8891084.5/55

All: 1250.730+/-0.108 χ^2/NDF: 19195633.0/1

- sign 1252.009+/-0.153 χ^2/NDF: 10304409.2/58

cor_asym_sam_48_avg_mean vs Slug



Right In: -66.007+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.594+/-35.394 χ^2/NDF: 54.6/35

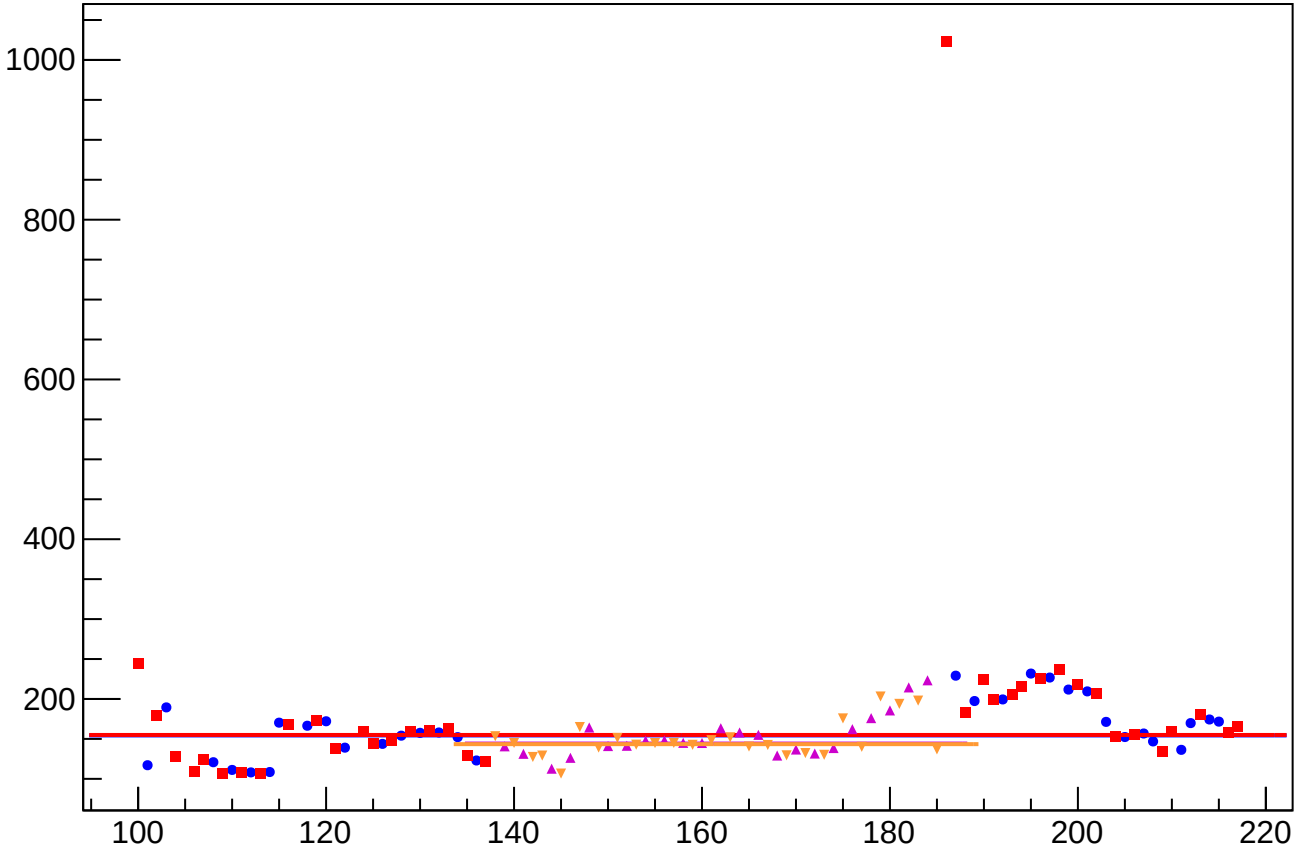
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 15.782+/-24.366 χ^2/NDF: 64.4/55

All: 13.184+/-17.301 χ^2/NDF: 156.4/114

- sign 10.542+/-24.571 χ^2/NDF: 92.0/58

cor_asym_sam_48_avg_rms vs Slug



Right In: 154.360+/-0.026 χ^2/NDF: 1605702.6/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

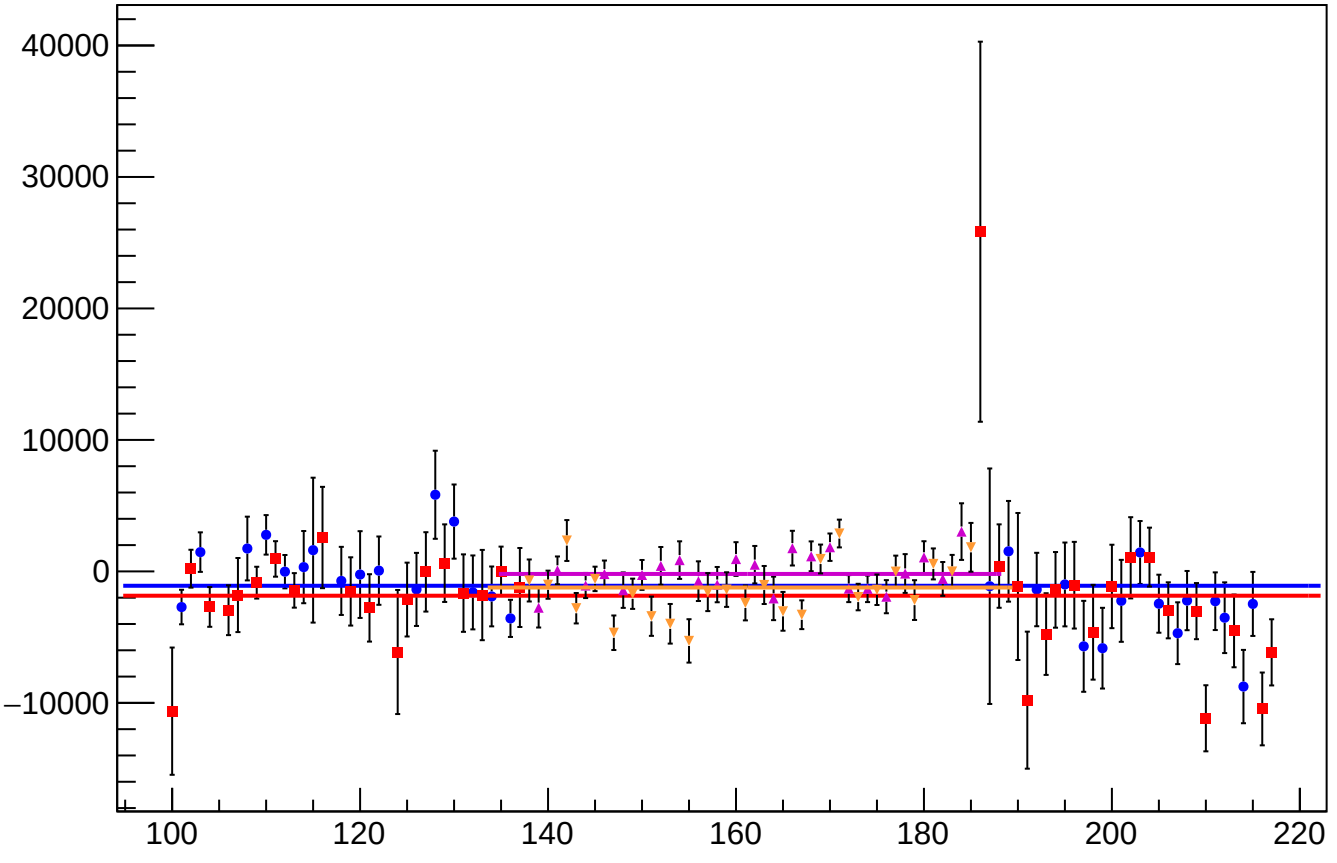
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 148.421+/-0.017 χ^2/NDF: 2452320.8/55

All: 148.887+/-0.012 χ^2/NDF: 5783155.4/114

\- sign 149.360+/-0.017 χ^2/NDF: 3329361.1/58

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1092.837+/-408.965 χ^2/NDF: 42.3/30

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1849.581+/-391.408 χ^2/NDF: 54.0/35

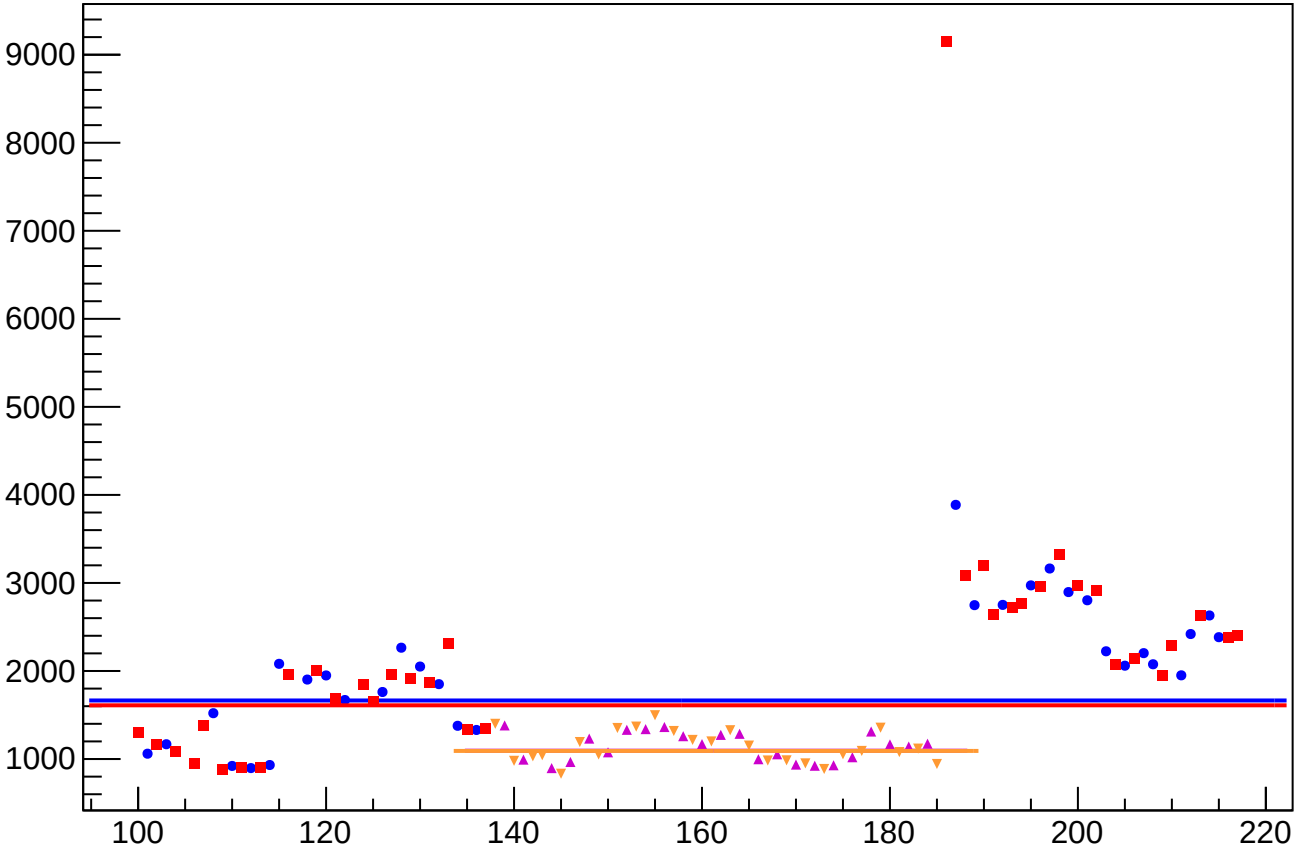
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1188.700+/-214.397 χ^2/NDF: 101.7/55

All: -945.029+/-152.147 χ^2/NDF: 194.0/114

- sign -697.819+/-215.948 χ^2/NDF: 89.8/58

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1665.031+/-0.289 χ^2/NDF: 5150991.2/30

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

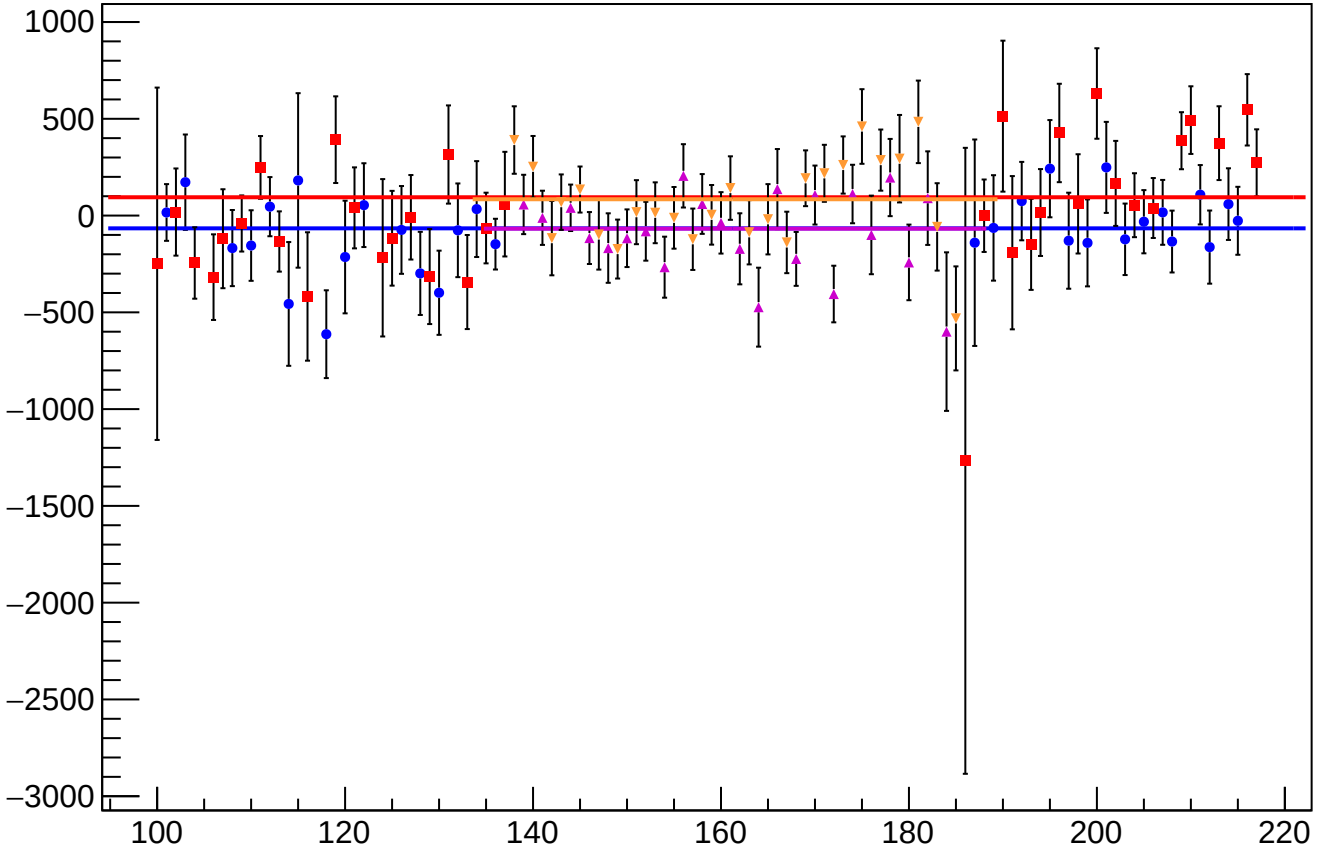
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1249.472+/-0.152 χ^2/NDF: 8891069.0/55

All: 1250.435+/-0.108 χ^2/NDF: 19211893.9/1

- sign 1251.413+/-0.153 χ^2/NDF: 10320743.5/58

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -66.007+/-36.083 χ^2/NDF: 21.1/30

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 94.594+/-35.394 χ^2/NDF: 54.6/35

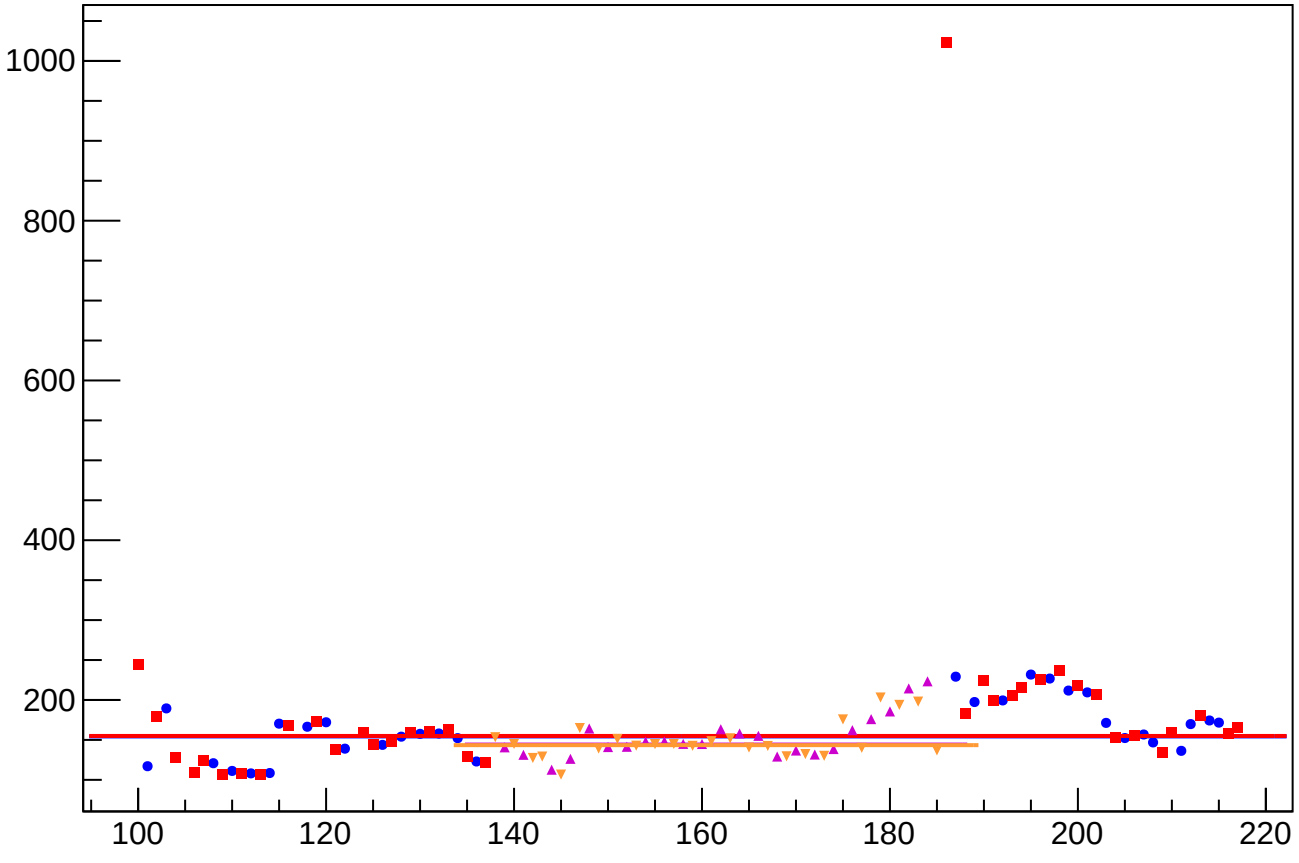
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 15.782+/-24.366 χ^2/NDF: 64.4/55

All: 13.184+/-17.301 χ^2/NDF: 156.4/114

- sign 10.542+/-24.571 χ^2/NDF: 92.0/58

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 154.360+/-0.026 χ^2/NDF: 1605702.6/30

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.940+/-0.025 χ^2/NDF: 2530723.2/35

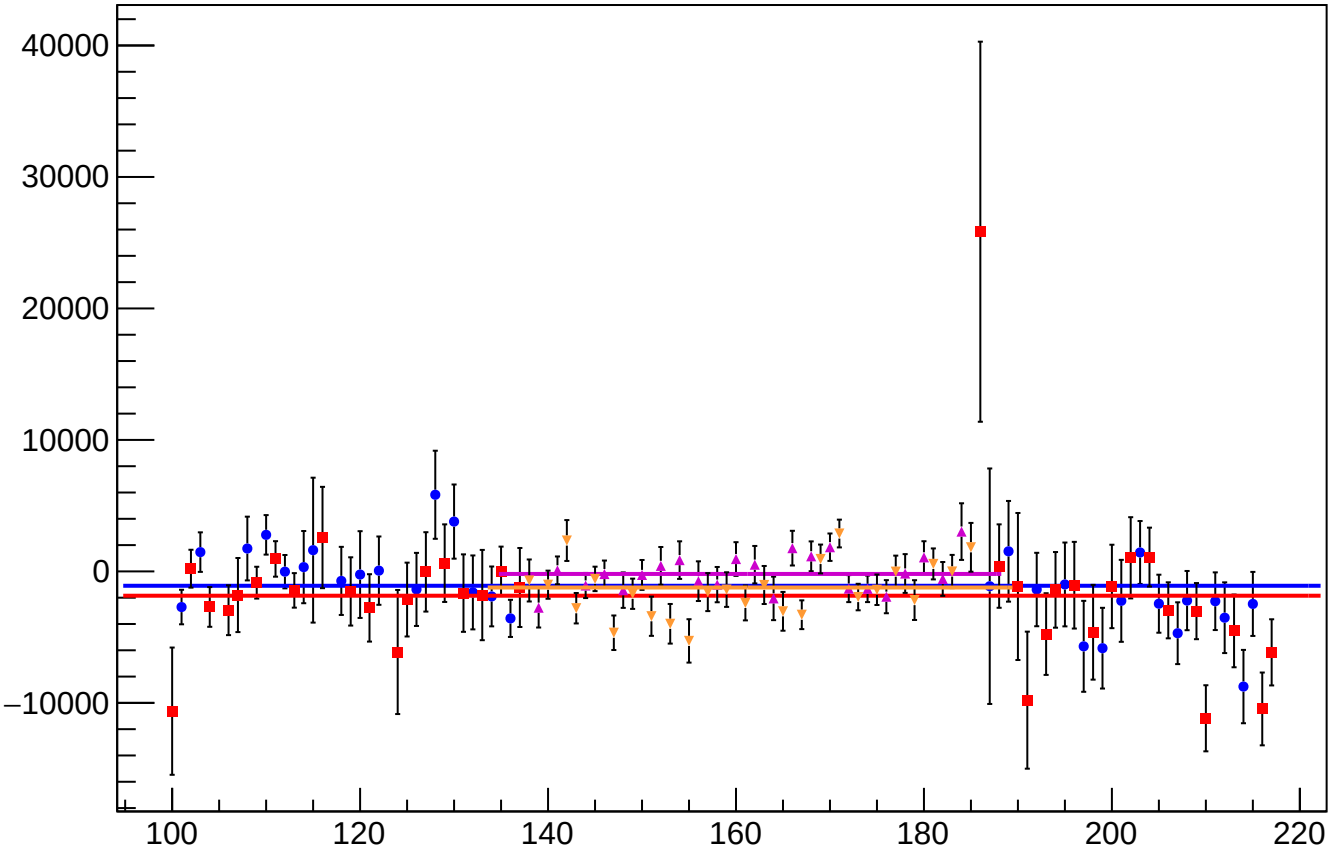
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.421+/-0.017 χ^2/NDF: 2452320.8/55

All: 148.887+/-0.012 χ^2/NDF: 5783155.4/114

- sign 149.360+/-0.017 χ^2/NDF: 3329361.1/58

asym_sam_48_avg_eigen_cor_correction_mean vs Slug



Right In: -1092.837+/-408.965 χ^2/NDF: 42.3/30

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1849.581+/-391.408 χ^2/NDF: 54.0/35

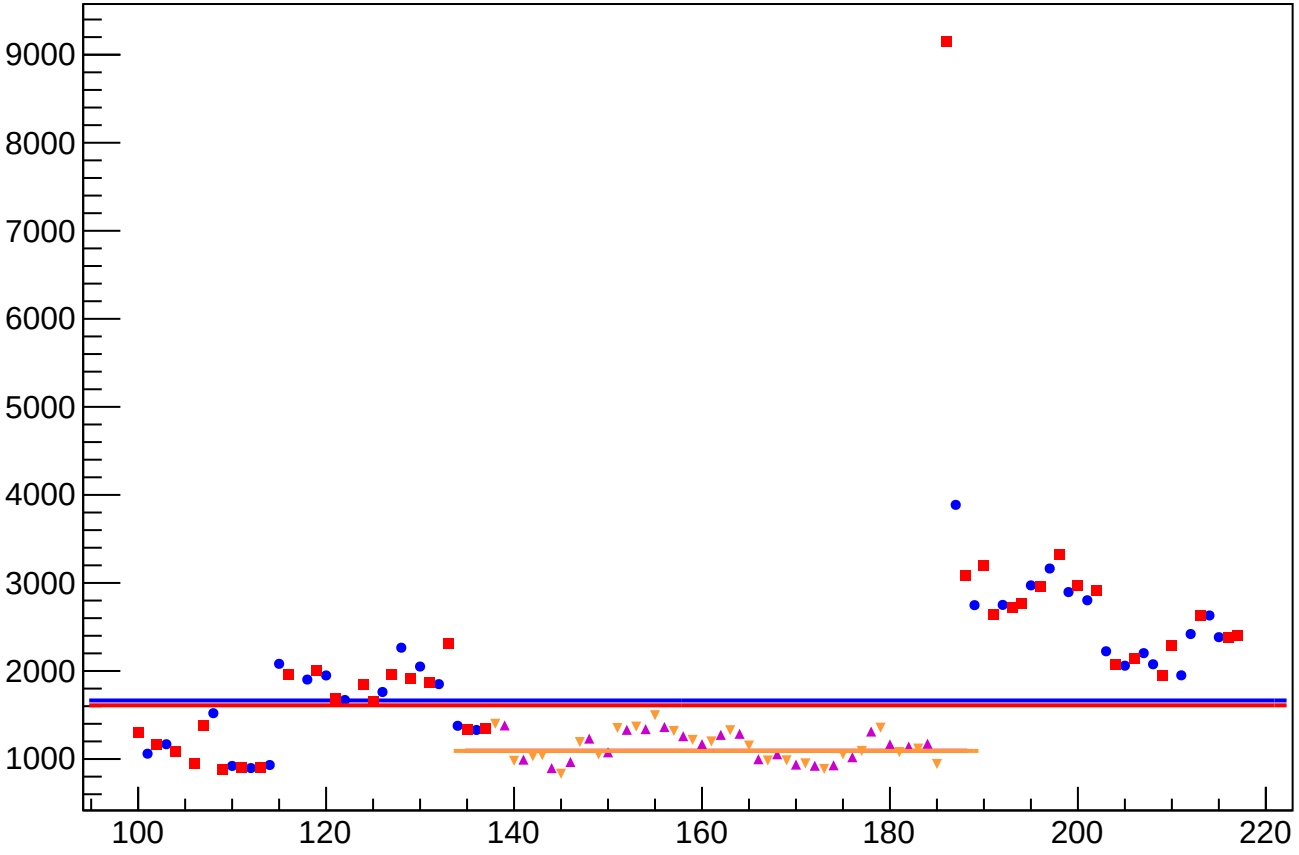
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1188.700+/-214.397 χ^2/NDF: 101.7/55

All: -945.029+/-152.147 χ^2/NDF: 194.0/114

- sign -697.819+/-215.948 χ^2/NDF: 89.8/58

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1665.031+/-0.289 χ^2/NDF: 5150991.2/30

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1610.038+/-0.277 χ^2/NDF: 7174031.6/35

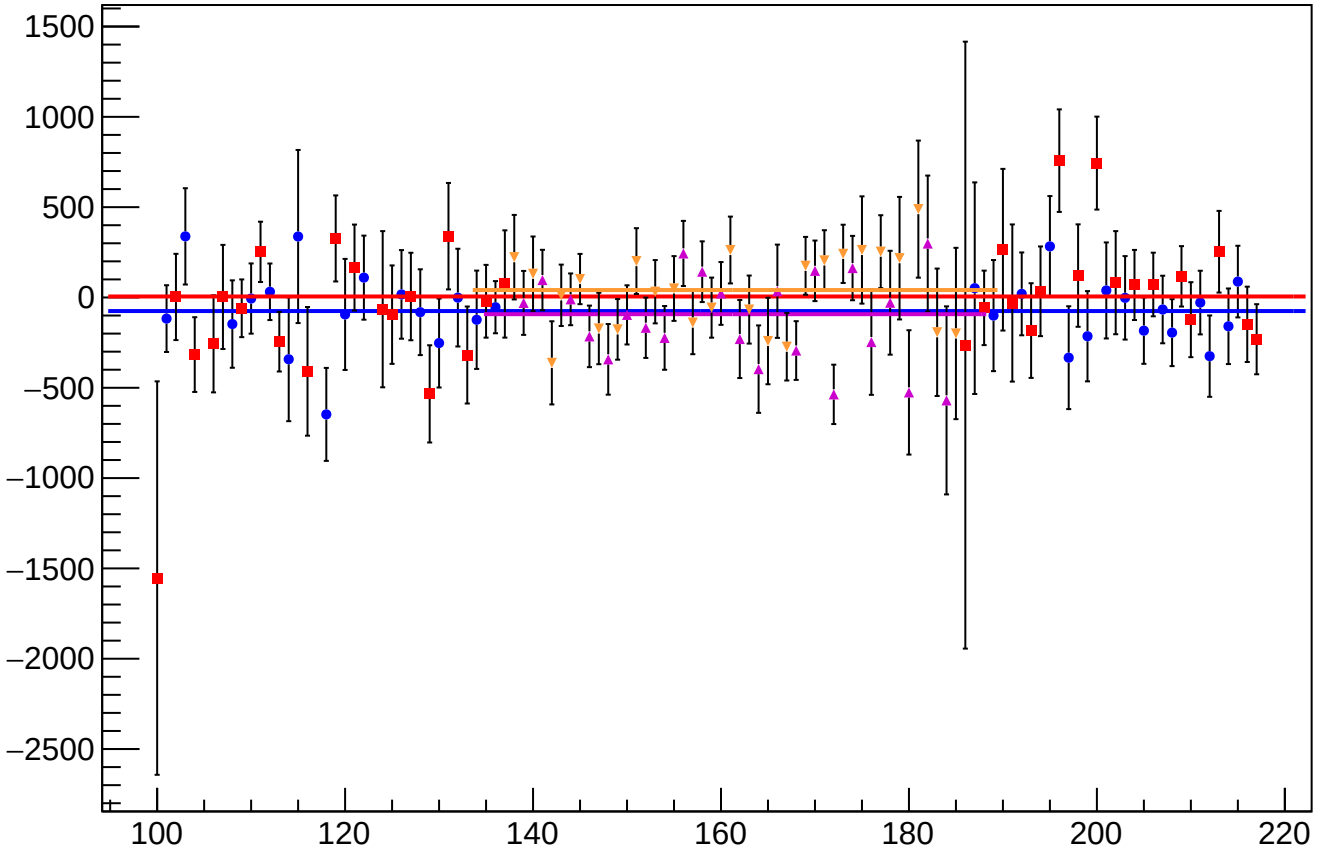
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1249.472+/-0.152 χ^2/NDF: 8891069.0/55

All: 1250.435+/-0.108 χ^2/NDF: 19211893.9/1

- sign 1251.413+/-0.153 χ^2/NDF: 10320743.5/58

dit_asym_sam_48_avg_mean vs Slug



Right In: -75.225+/-40.659 χ^2/NDF: 17.1/30

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.481+/-39.599 χ^2/NDF: 41.5/35

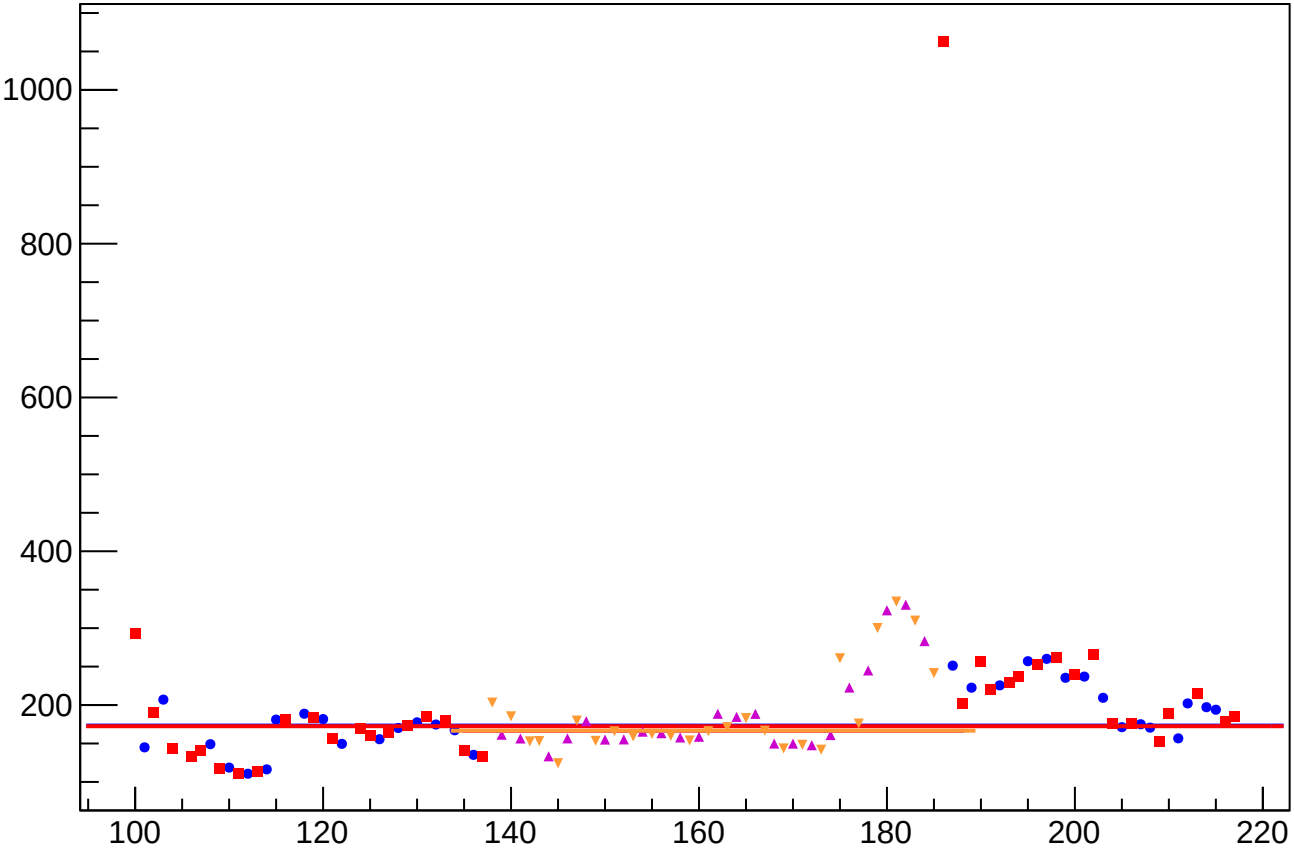
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -14.911+/-28.212 χ^2/NDF: 43.6/55

All: -28.883+/-19.944 χ^2/NDF: 118.1/114

- sign -42.842+/-28.199 χ^2/NDF: 74.0/58

dit_asym_sam_48_avg_rms vs Slug



Right In: 173.247+/-0.029 χ^2/NDF: 1757662.7/30

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 172.460+/-0.028 χ^2/NDF: 2769028.7/35

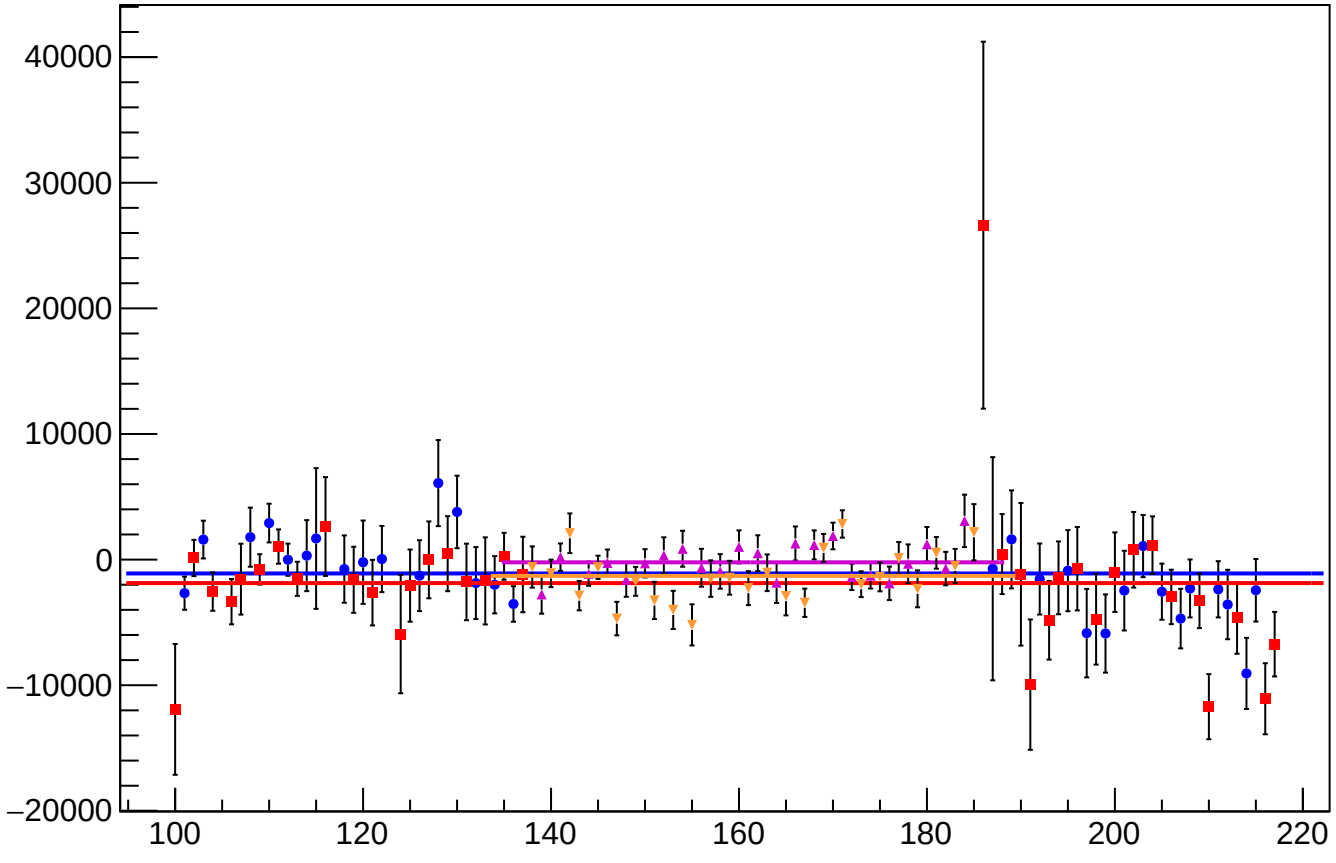
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 169.800+/-0.020 χ^2/NDF: 3505231.0/55

All: 169.613+/-0.014 χ^2/NDF: 7690690.0/114

- sign 169.428+/-0.020 χ^2/NDF: 4185285.2/58

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1102.984+/-414.138 χ^2/NDF: 42.8/30

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1870.241+/-395.046 χ^2/NDF: 57.7/35

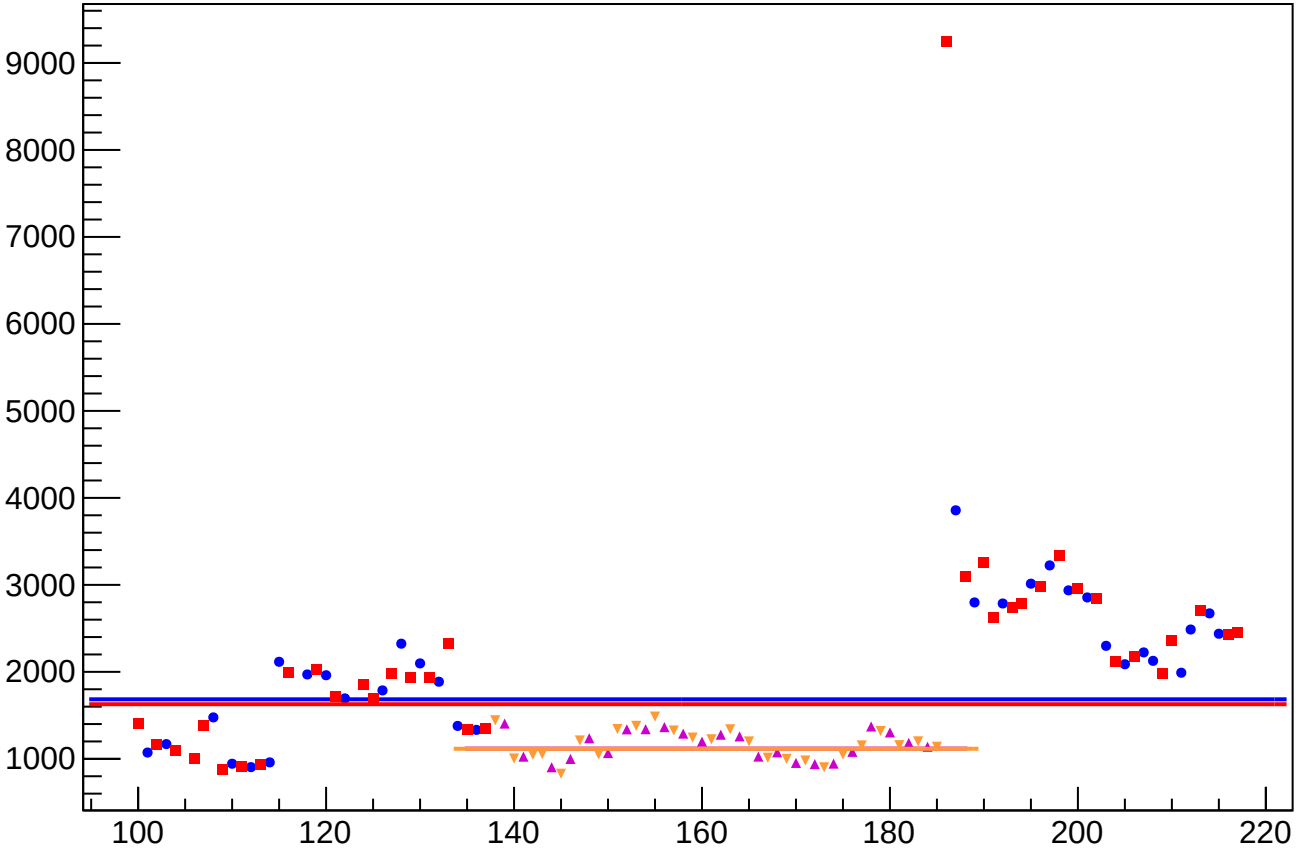
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1244.032+/-218.346 χ^2/NDF: 98.1/55

All: -987.945+/-154.878 χ^2/NDF: 192.9/114

- sign -728.624+/-219.721 χ^2/NDF: 92.0/58

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1684.295+/-0.293 χ^2/NDF: 5246243.7/30

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1627.992+/-0.279 χ^2/NDF: 7175751.2/35

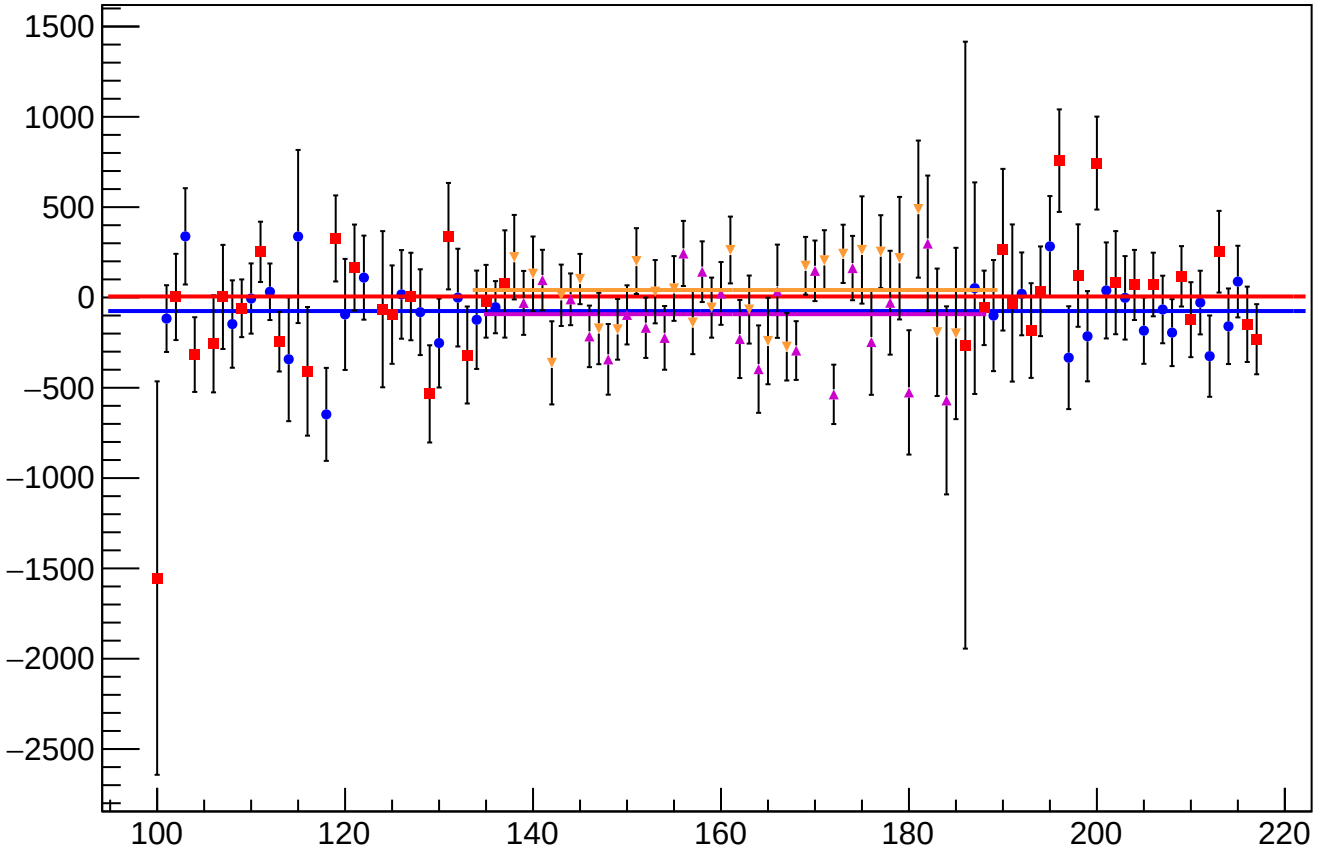
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1273.994+/-0.154 χ^2/NDF: 8832615.9/55

All: 1274.816+/-0.110 χ^2/NDF: 19041417.8/1

- sign 1275.649+/-0.155 χ^2/NDF: 10208744.9/58

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -75.222+/-40.659 χ^2/NDF: 17.1/30

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 5.484+/-39.599 χ^2/NDF: 41.5/35

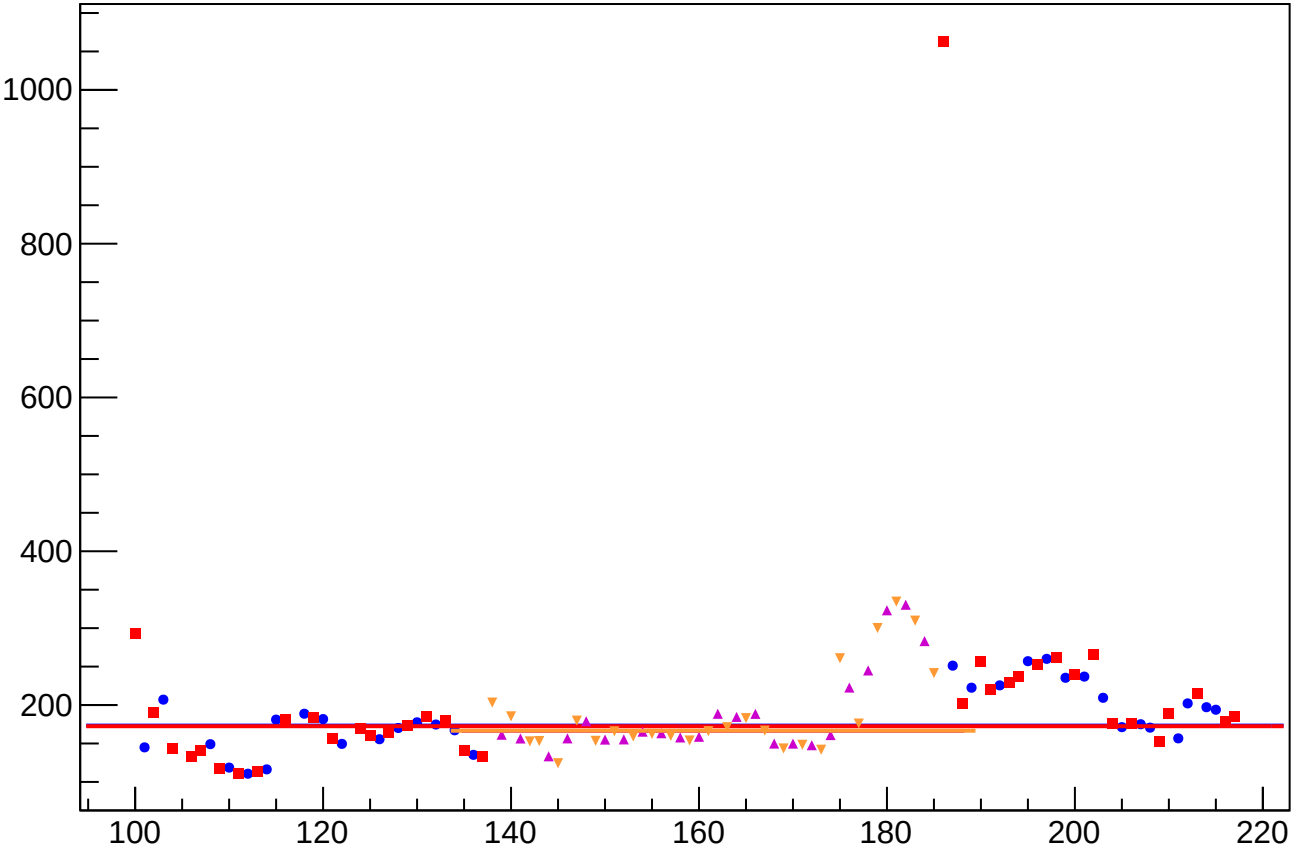
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -14.908+/-28.212 χ^2/NDF: 43.6/55

All: -28.881+/-19.944 χ^2/NDF: 118.1/114

- sign -42.840+/-28.199 χ^2/NDF: 74.0/58

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 173.247+/-0.029 χ^2/NDF: 1757643.0/30

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

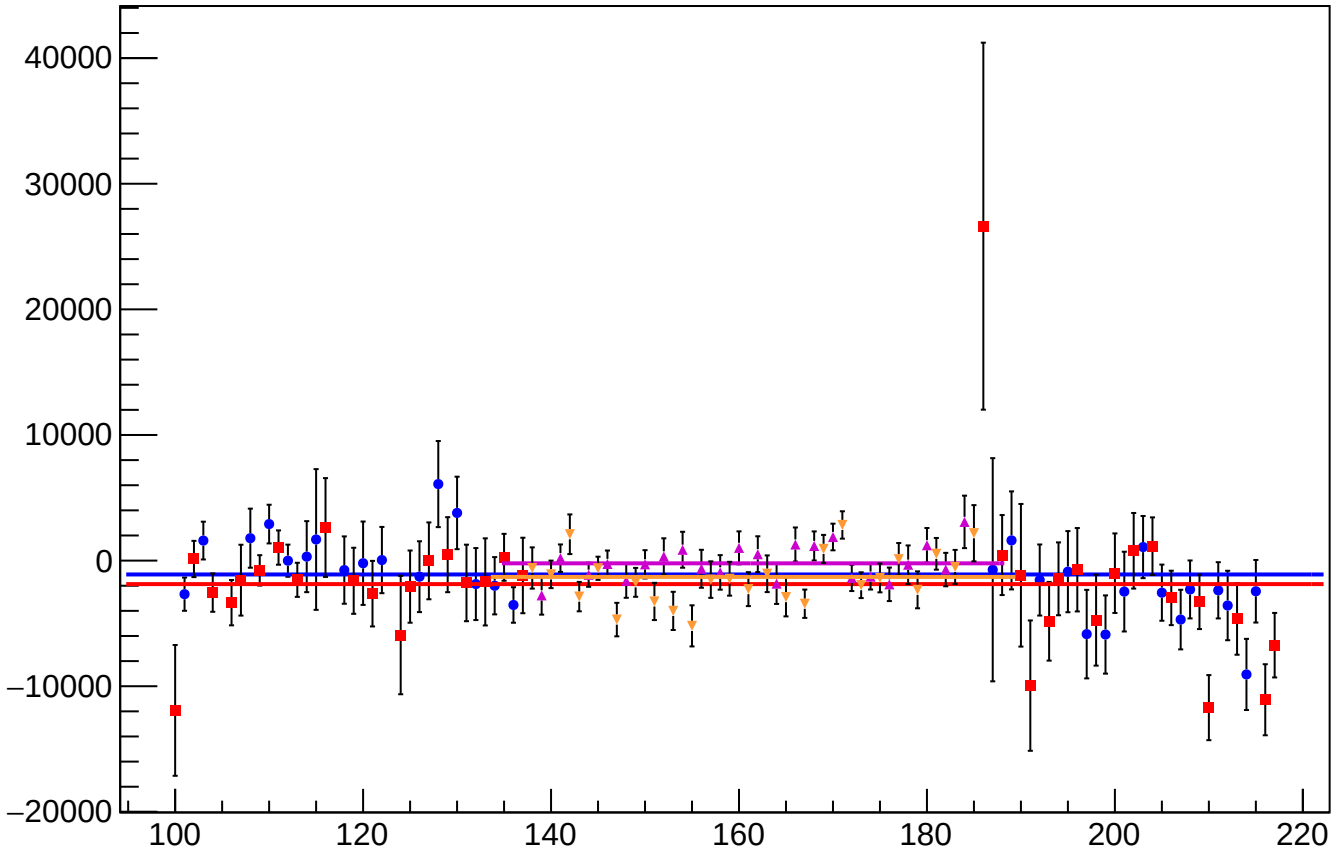
Right Out: 172.460+/-0.028 χ^2/NDF: 2769030.6/35

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 169.800+/-0.020 χ^2/NDF: 3505201.9/55

All: 169.614+/-0.014 χ^2/NDF: 7690640.3/114

- sign 169.428+/-0.020 χ^2/NDF: 4185264.4/58



Right In: -1102.982+/-414.138 χ^2/NDF: 42.8/30

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1870.237+/-395.046 χ^2/NDF: 57.7/35

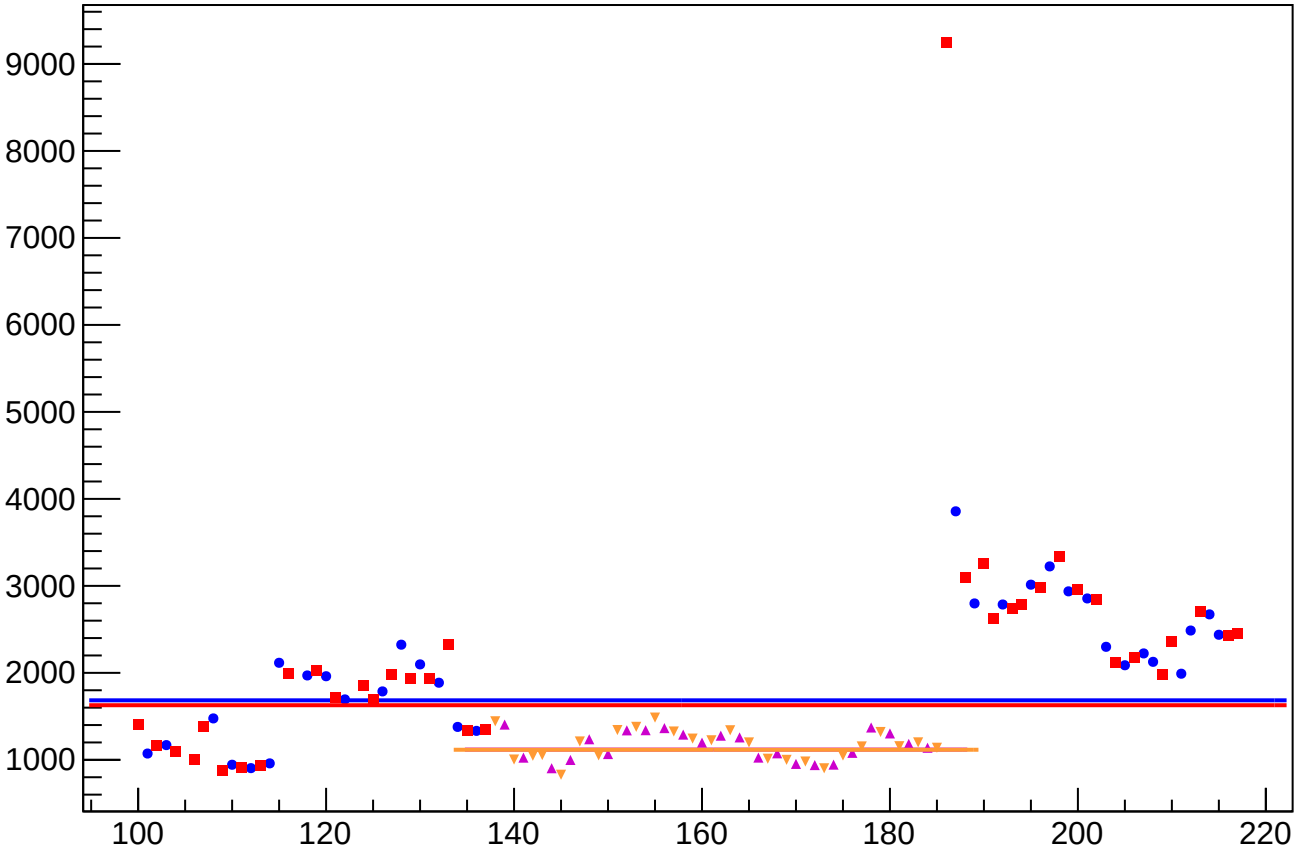
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1244.029+/-218.346 χ^2/NDF: 98.1/55

All: -987.943+/-154.877 χ^2/NDF: 192.9/114

- sign -728.621+/-219.721 χ^2/NDF: 92.0/58

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1684.293+/-0.293 χ^2/NDF: 5246245.1/30

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1627.990+/-0.279 χ^2/NDF: 7175752.4/35

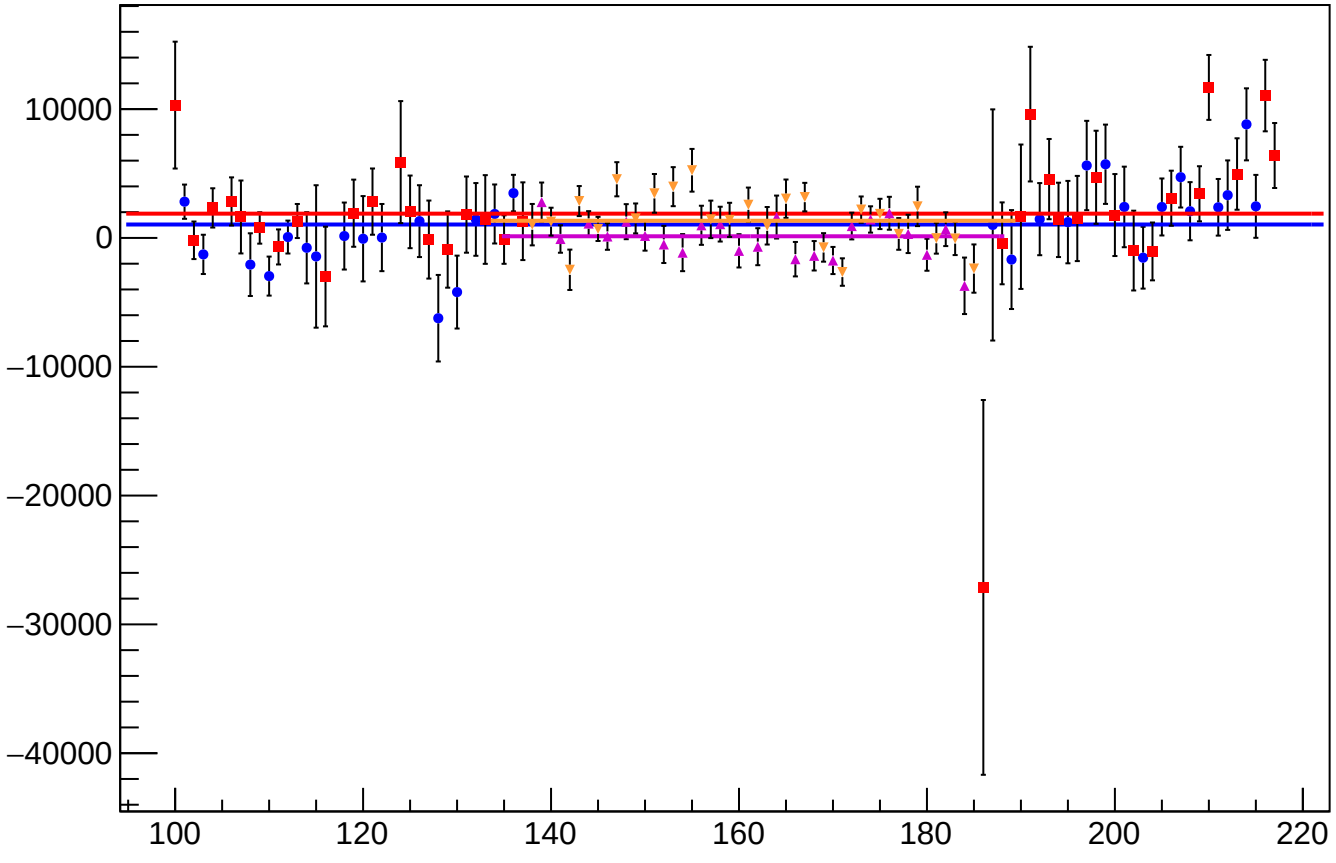
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1273.992+/-0.154 χ^2/NDF: 8832628.2/55

All: 1274.814+/-0.110 χ^2/NDF: 19041438.4/1

- sign 1275.647+/-0.155 χ^2/NDF: 10208753.1/58

asym_sam_48_avg_mean vs Slug



Right In: 1042.483+/-411.350 χ^2/NDF: 43.6/30

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1884.315+/-393.279 χ^2/NDF: 56.8/35

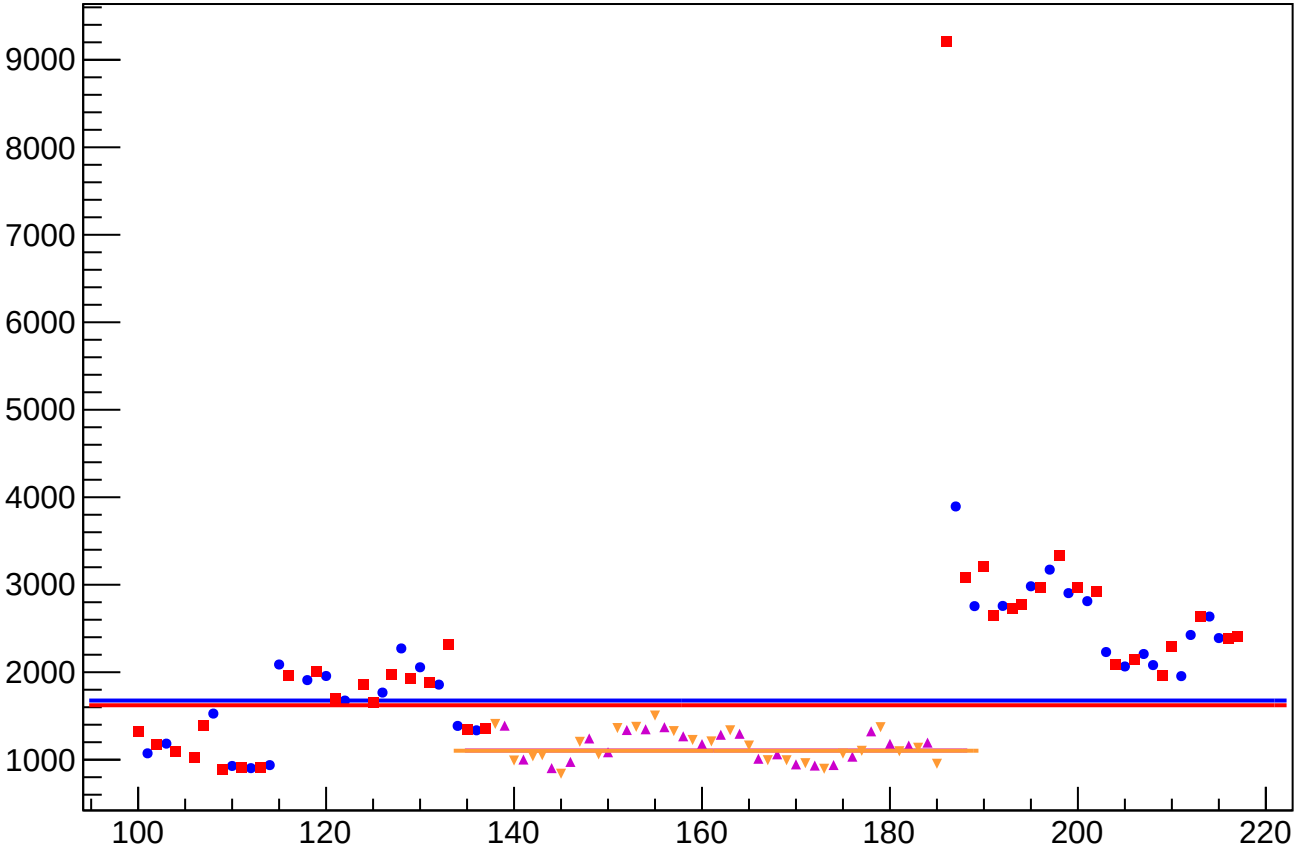
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1253.955+/-216.234 χ^2/NDF: 99.7/55

All: 962.202+/-153.419 χ^2/NDF: 198.0/114

- sign 666.460+/-217.707 χ^2/NDF: 94.7/58

asym_sam_48_avg_rms vs Slug



Right In: 1676.435+/-0.291 χ^2/NDF: 5083640.3/30

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

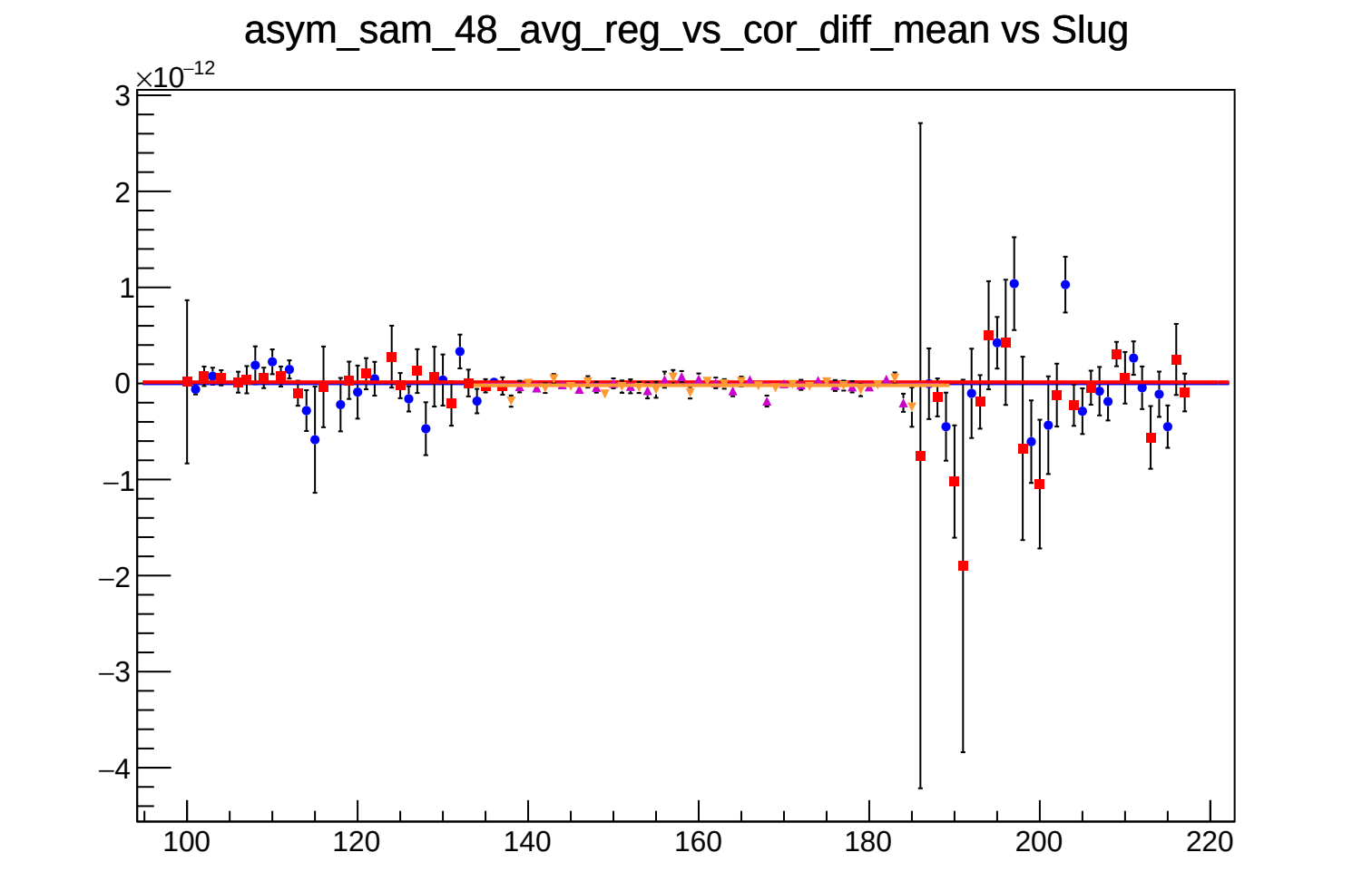
Right Out: 1622.496+/-0.278 χ^2/NDF: 7069643.0/35

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1261.239+/-0.153 χ^2/NDF: 8779704.3/55

All: 1262.471+/-0.108 χ^2/NDF: 18972679.0/1

- sign 1263.720+/-0.154 χ^2/NDF: 10192844.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 55.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

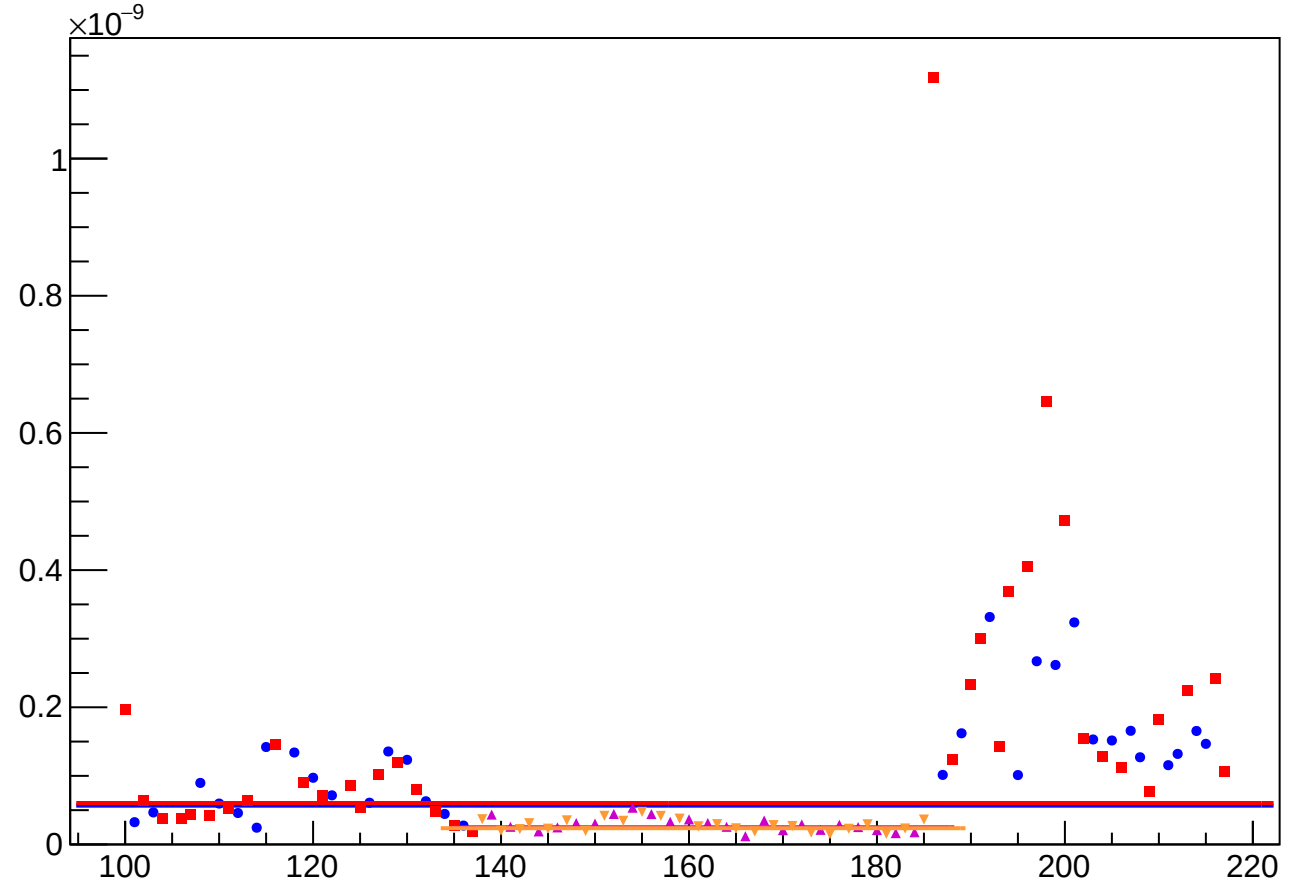
Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/35

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.5/55

All: -0.000+/-0.000 χ^2/NDF: 135.7/114

- sign -0.000+/-0.000 χ^2/NDF: 52.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 6640207.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7128946.1/35

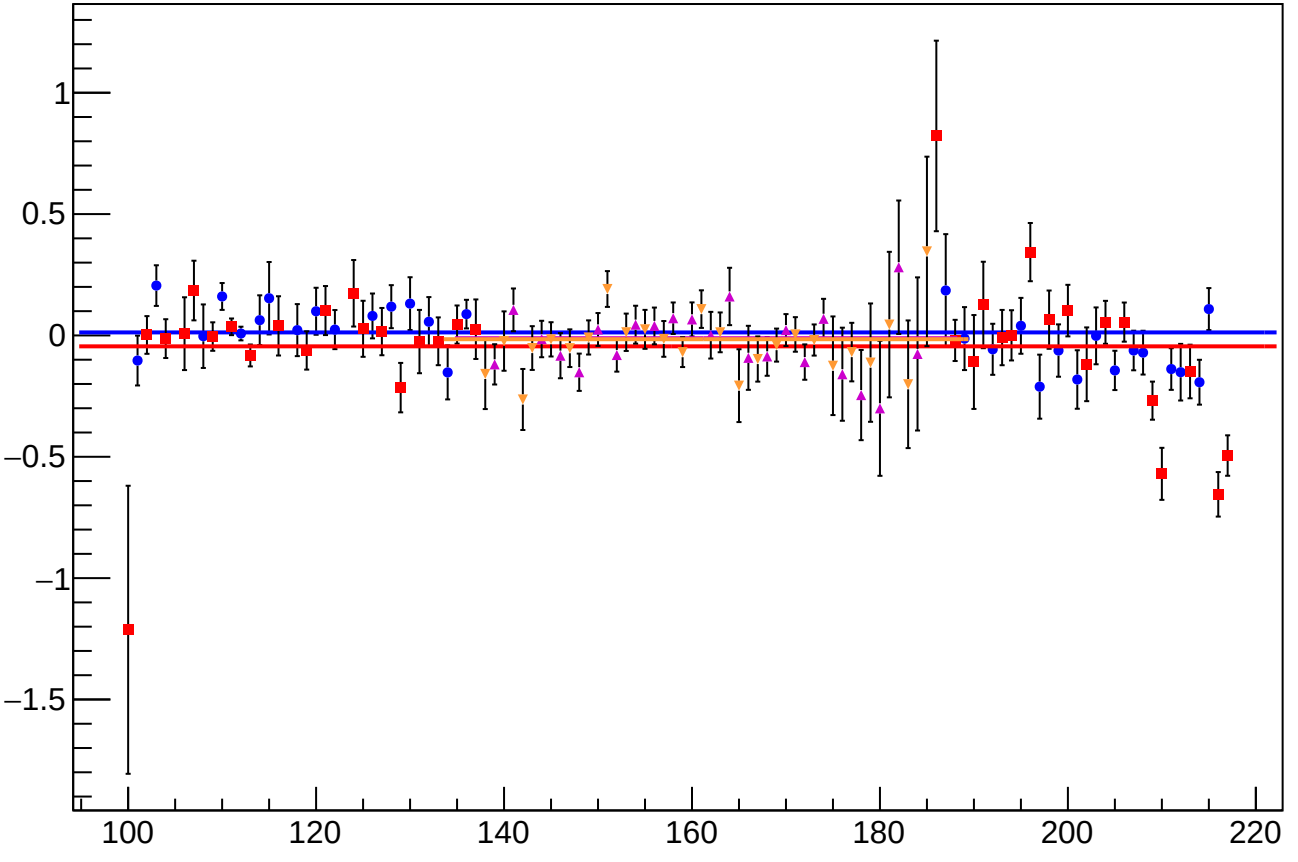
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11131905.2/55

All: 0.000+/-0.000 χ^2/NDF: 22985879.2/114

- sign 0.000+/-0.000 χ^2/NDF: 11806078.6/58

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

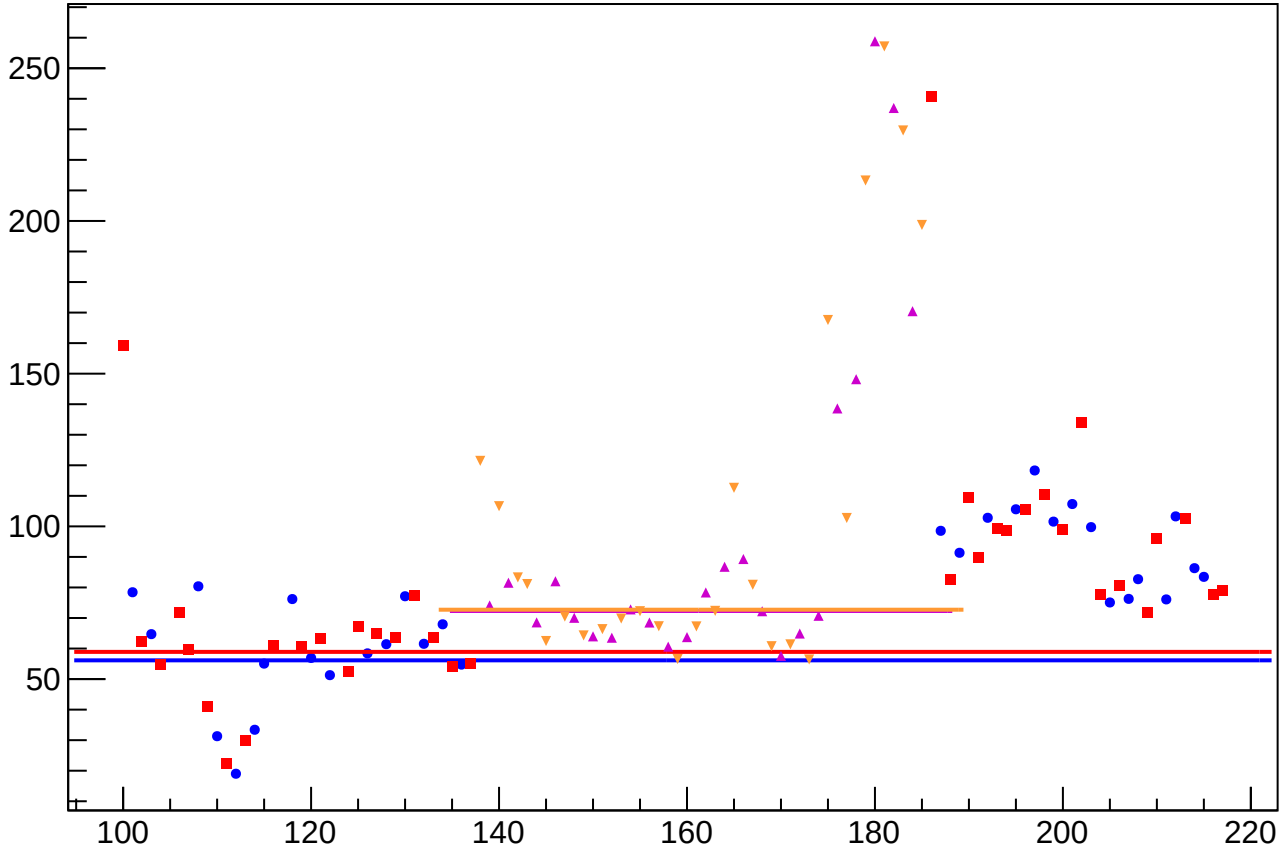
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.001+/-0.011 χ^2/NDF: 69.7/55

All: -0.015+/-0.008 χ^2/NDF: 253.3/114

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.138+/-0.010 χ^2/NDF: 8019876.3/30

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

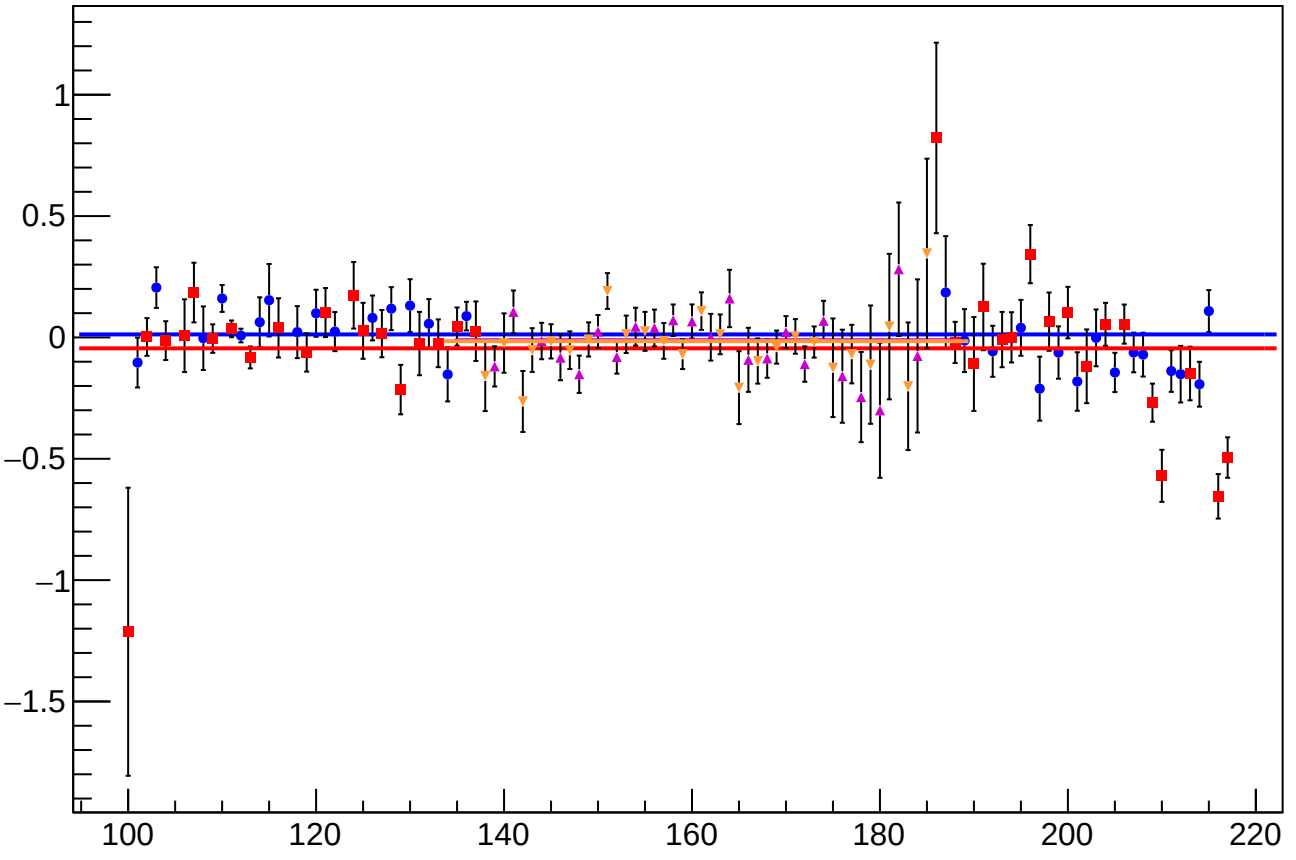
Right Out: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 62.828+/-0.008 χ^2/NDF: 12997094.6/55

All: 63.498+/-0.006 χ^2/NDF: 23731697.8/114

- sign 64.172+/-0.008 χ^2/NDF: 10720782.2/58



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

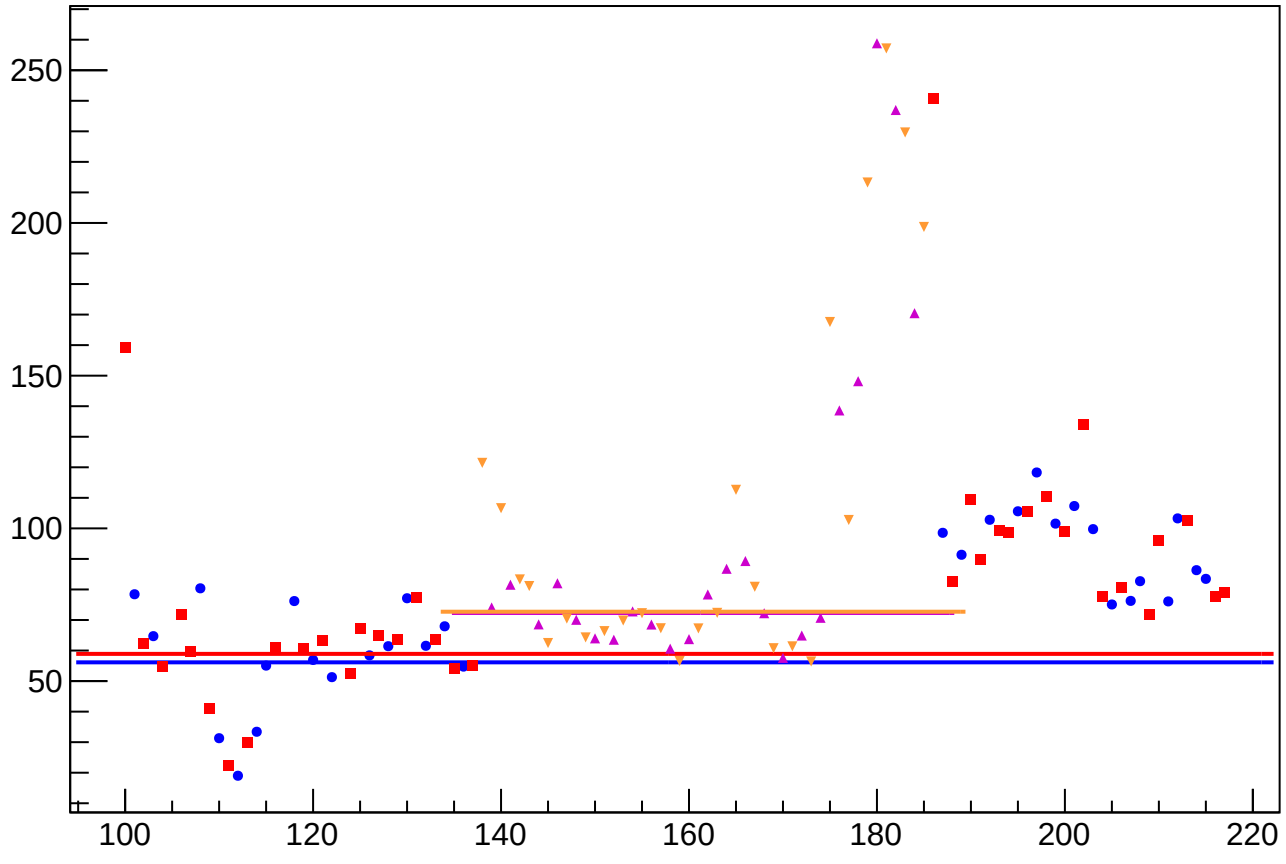
Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.001+/-0.011 χ^2/NDF: 69.7/55

All: -0.015+/-0.008 χ^2/NDF: 253.3/114

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58



Right In: 56.138+/-0.010 χ^2/NDF: 8019876.3/30

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

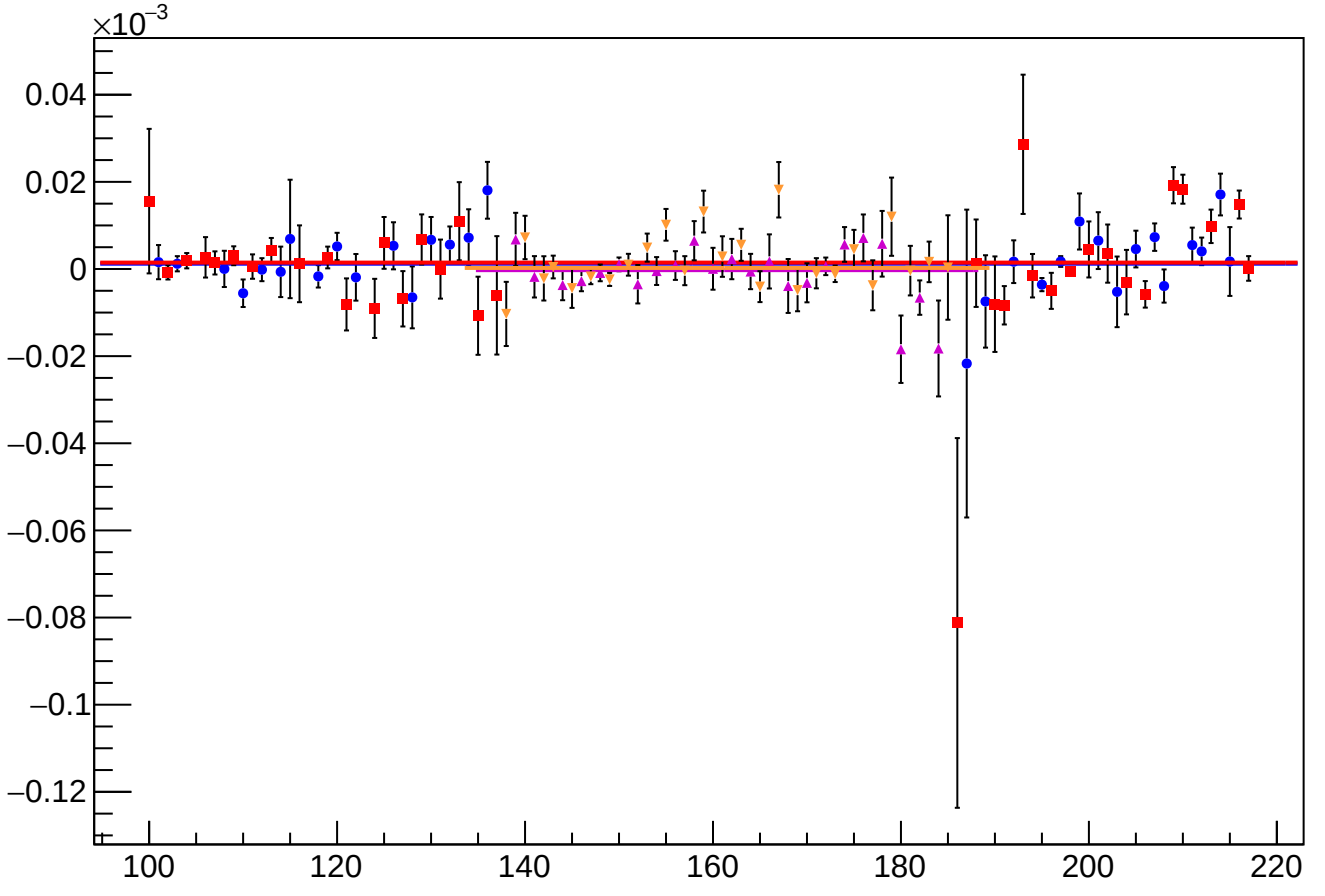
Right Out: 58.908+/-0.010 χ^2/NDF: 7277562.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 62.828+/-0.008 χ^2/NDF: 12997094.6/55

All: 63.498+/-0.006 χ^2/NDF: 23731697.8/114

- sign 64.172+/-0.008 χ^2/NDF: 10720782.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 53.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

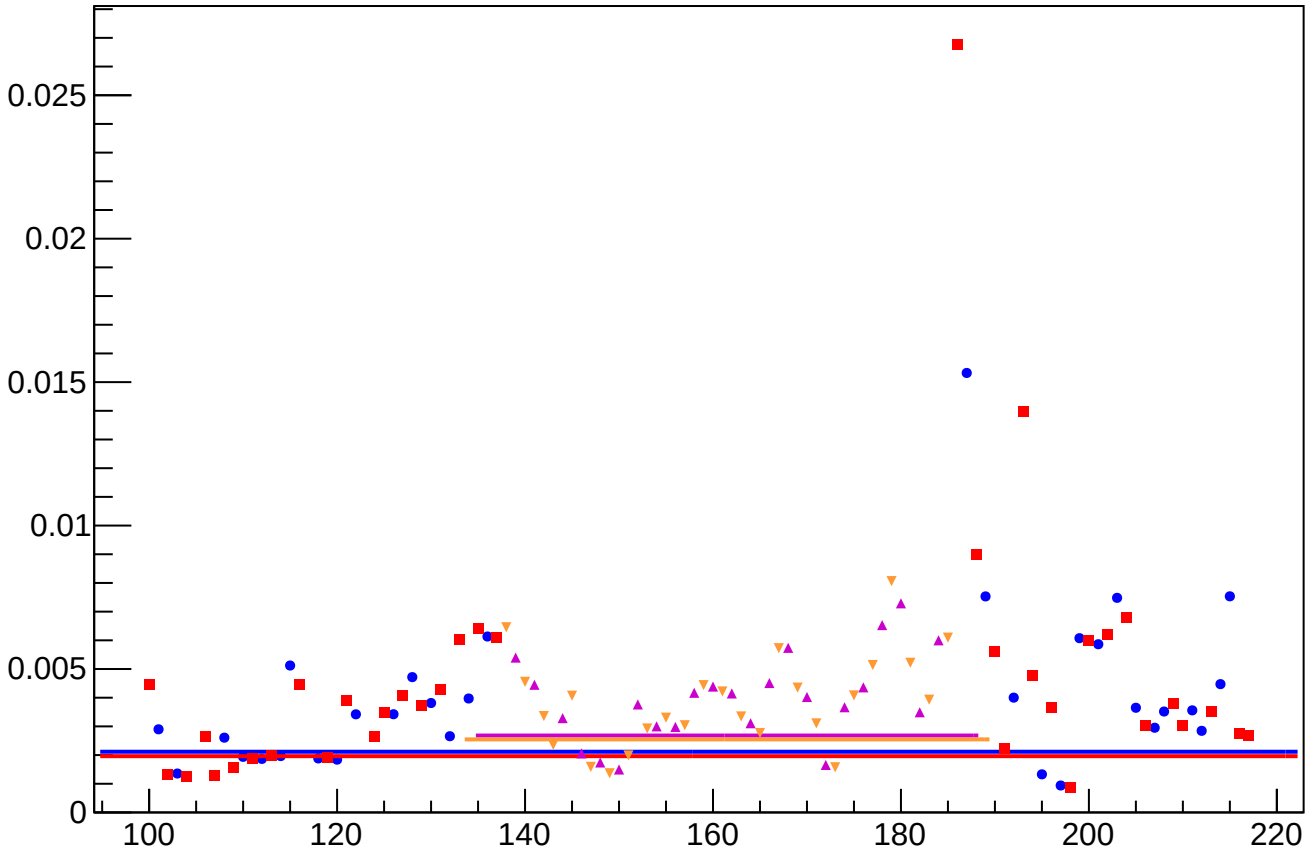
Right Out: 0.000+/-0.000 χ^2/NDF: 108.1/35

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.5/55

All: 0.000+/-0.000 χ^2/NDF: 234.5/114

- sign 0.000+/-0.000 χ^2/NDF: 136.0/58



Right In: 0.002+/-0.000 χ^2/NDF: 10533595.7/30

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

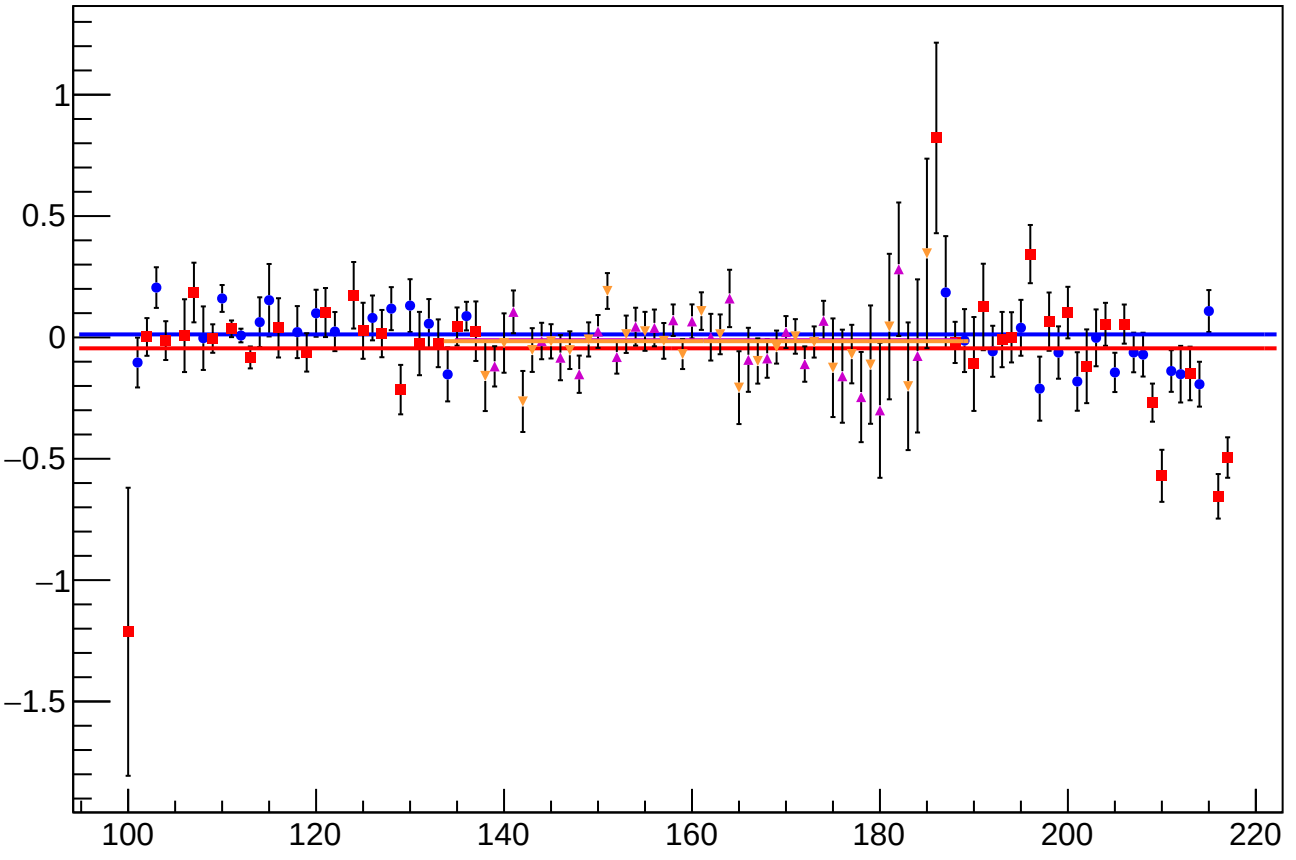
Right Out: 0.002+/-0.000 χ^2/NDF: 13389113.8/35

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 18512011.8/55

All: 0.002+/-0.000 χ^2/NDF: 39757903.8/114

- sign 0.002+/-0.000 χ^2/NDF: 21207781.6/58



Right In: 0.012+/-0.015 χ^2/NDF: 46.6/30

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

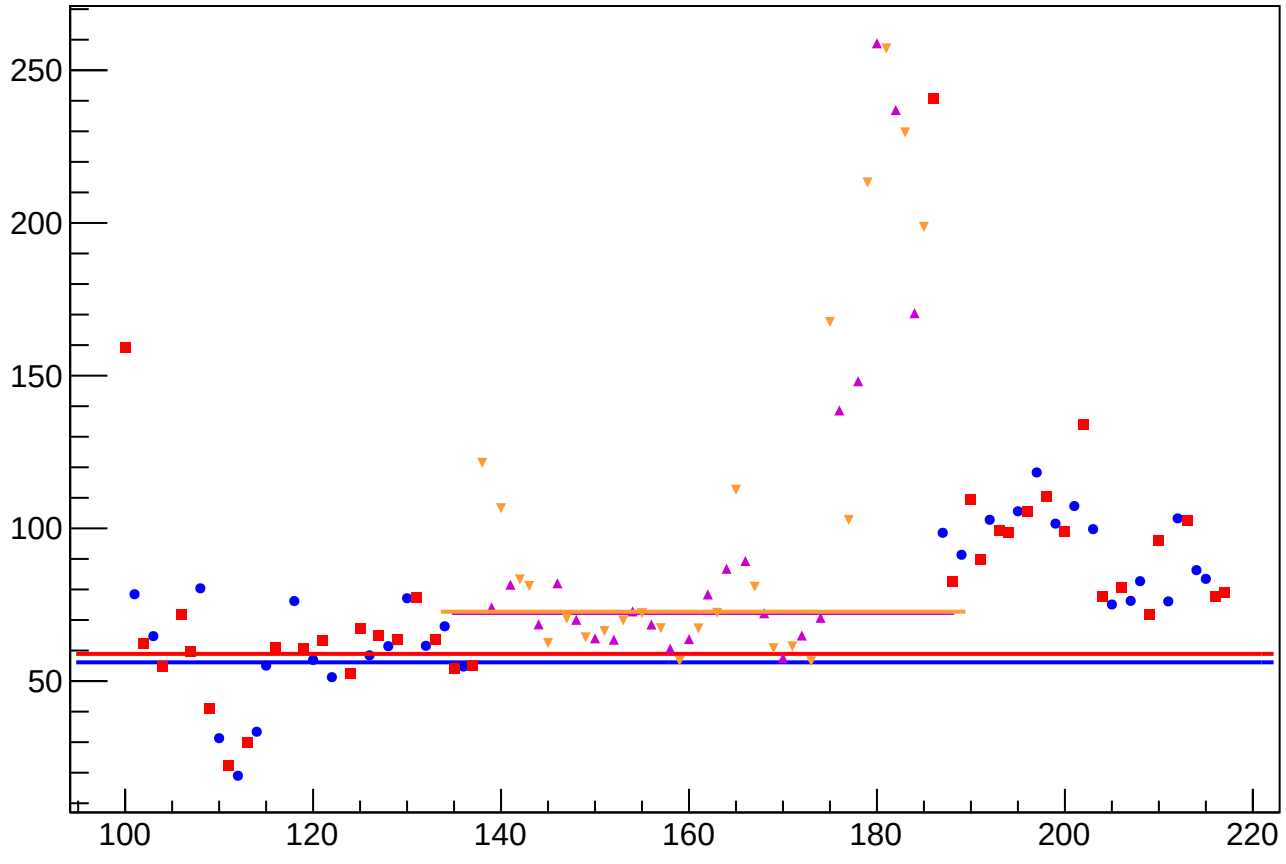
Right Out: -0.045+/-0.015 χ^2/NDF: 154.0/35

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.001+/-0.011 χ^2/NDF: 69.7/55

All: -0.015+/-0.008 χ^2/NDF: 253.3/114

- sign -0.032+/-0.011 χ^2/NDF: 179.4/58



Right In: 56.137+/-0.010 χ^2/NDF: 8020155.9/30

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

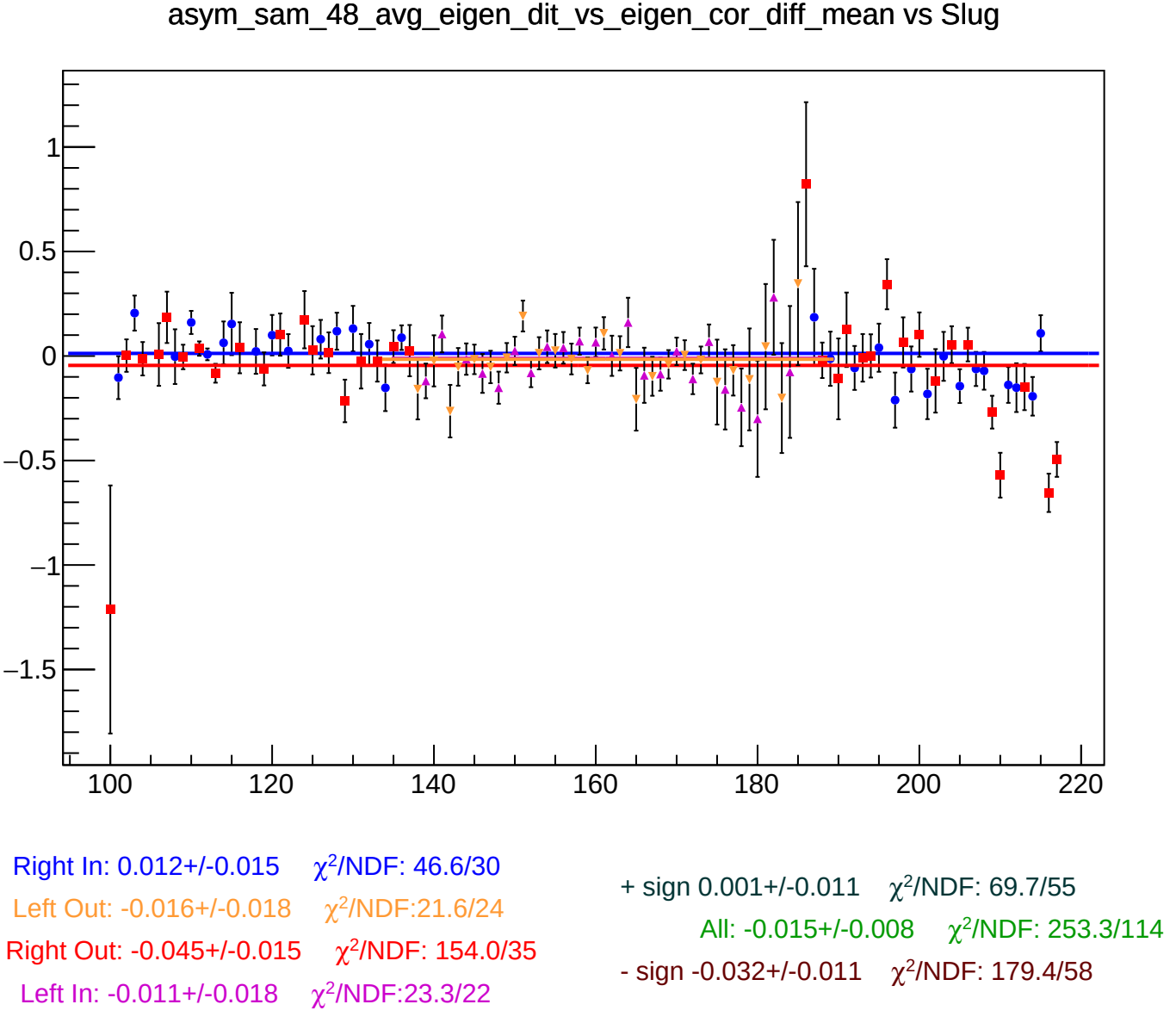
Right Out: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

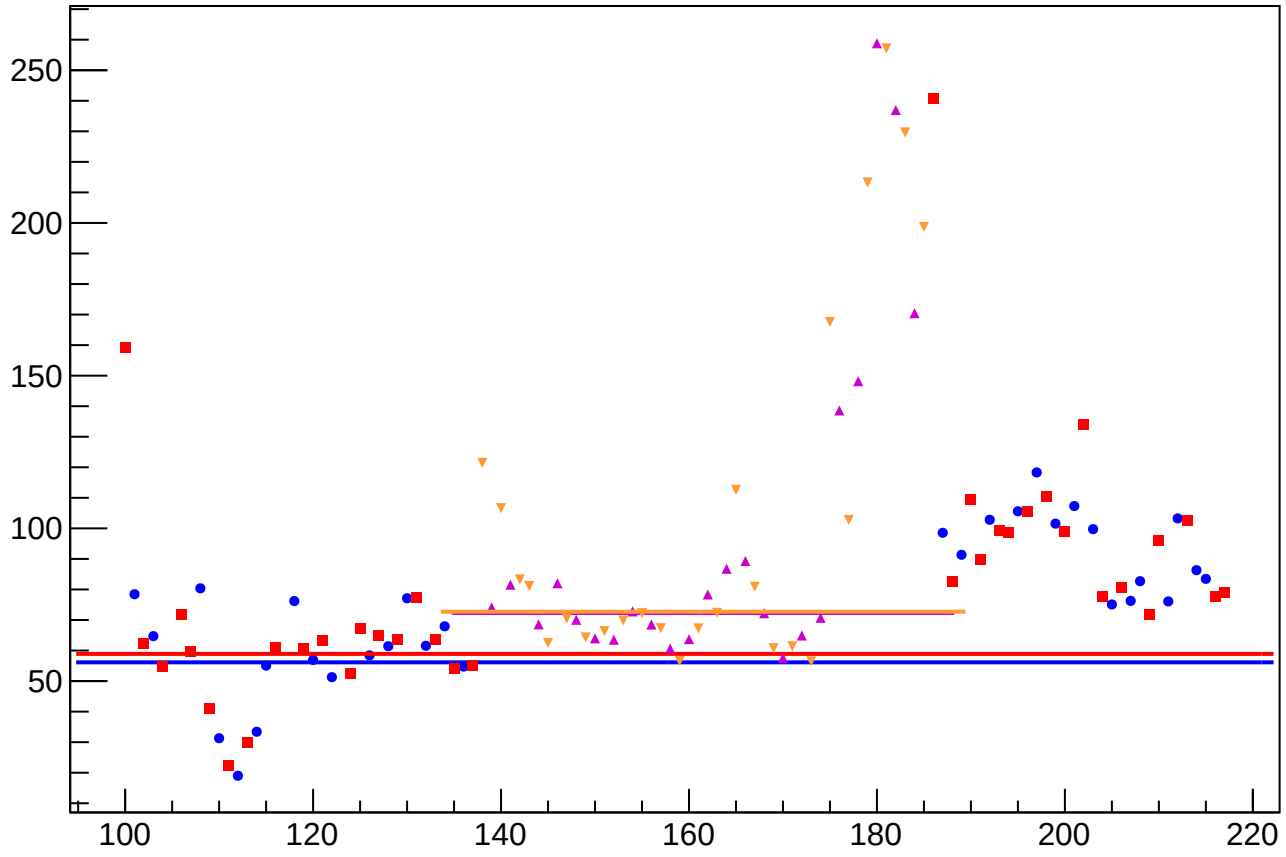
Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 62.828+/-0.008 χ^2/NDF: 12997512.4/55

All: 63.498+/-0.006 χ^2/NDF: 23732537.5/114

- sign 64.172+/-0.008 χ^2/NDF: 10721202.1/58


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.012+/-0.015 χ²/NDF: 46.6/30
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: -0.045+/-0.015 χ²/NDF: 154.0/35
Left In: -0.011+/-0.018 χ²/NDF:23.3/22
+ sign 0.001+/-0.011 χ²/NDF: 69.7/55
All: -0.015+/-0.008 χ²/NDF: 253.3/114
- sign -0.032+/-0.011 χ²/NDF: 179.4/58



Right In: 56.137+/-0.010 χ^2/NDF: 8020155.9/30

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

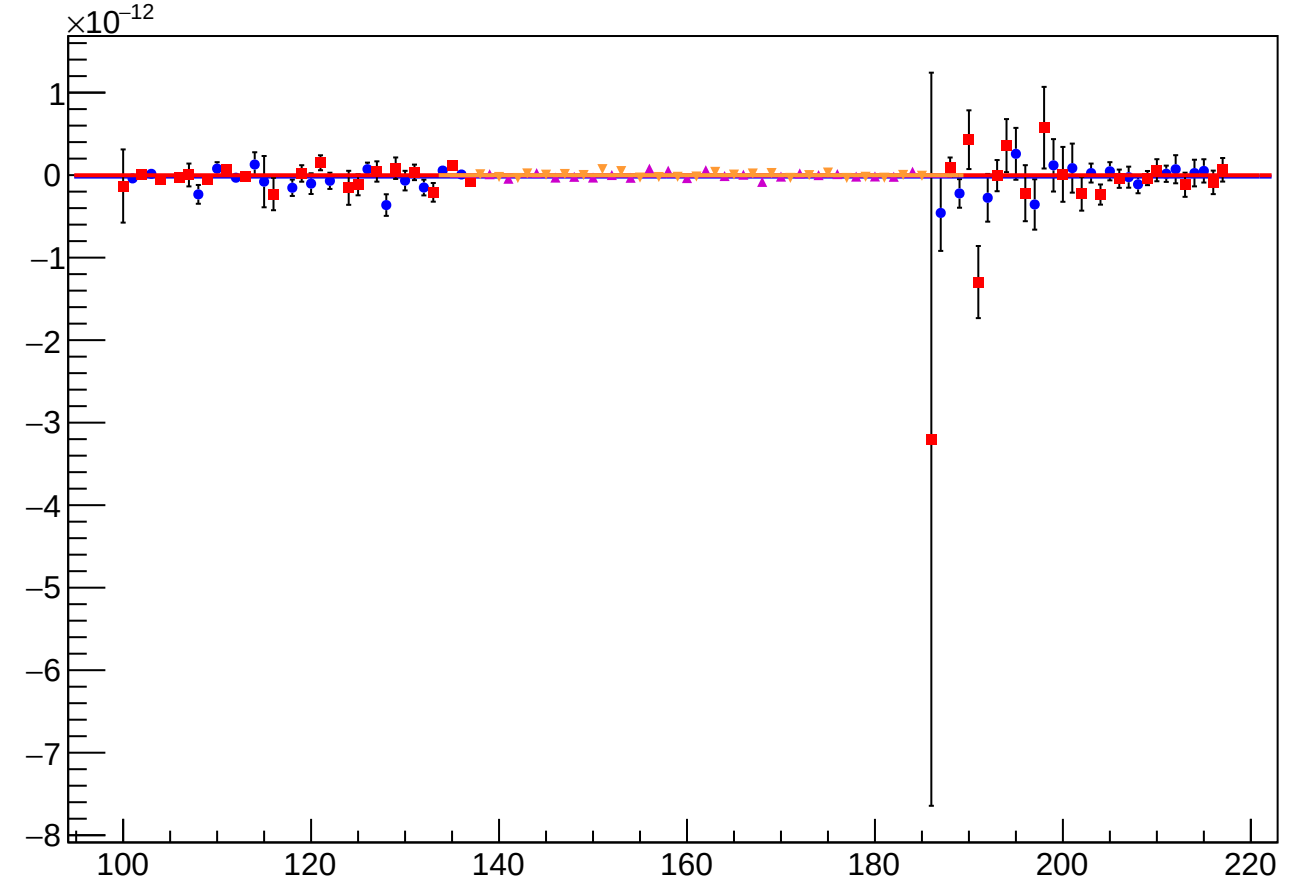
Right Out: 58.907+/-0.010 χ^2/NDF: 7277907.8/35

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 62.828+/-0.008 χ^2/NDF: 12997512.4/55

All: 63.498+/-0.006 χ^2/NDF: 23732537.5/114

- sign 64.172+/-0.008 χ^2/NDF: 10721202.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

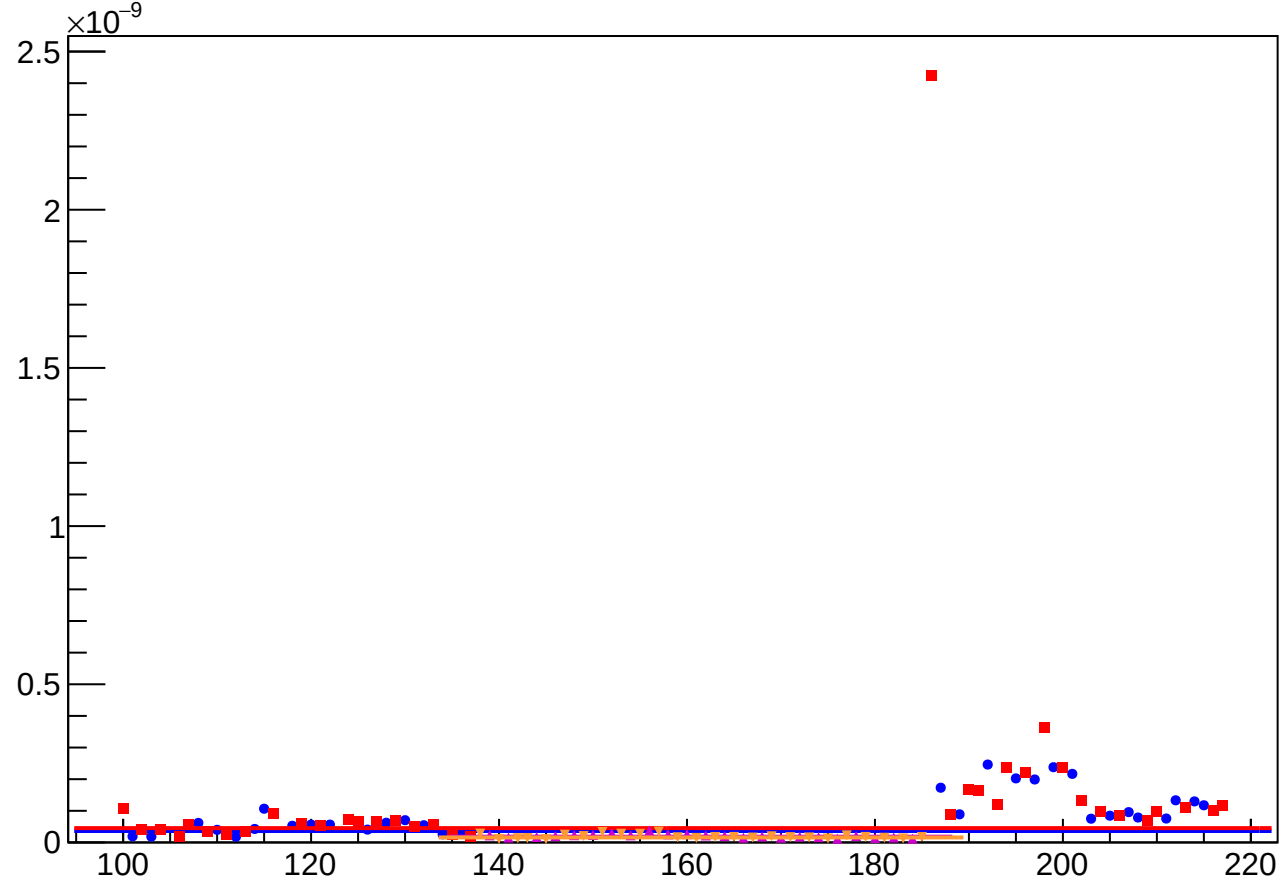
Right Out: -0.000+/-0.000 χ^2/NDF: 44.5/35

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.6/55

All: -0.000+/-0.000 χ^2/NDF: 142.7/114

- sign -0.000+/-0.000 χ^2/NDF: 82.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 10281926.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9408381.6/35

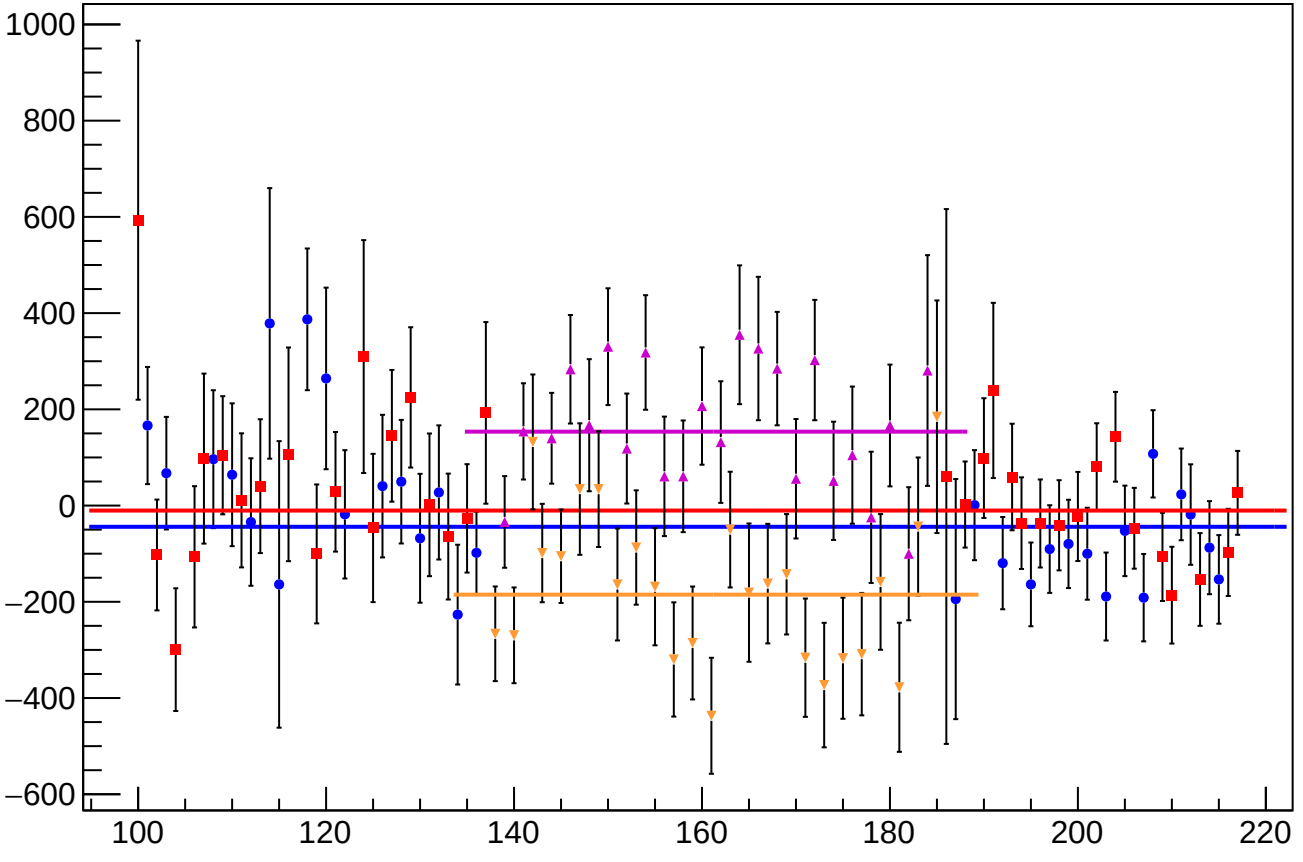
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16647877.9/55

All: 0.000+/-0.000 χ^2/NDF: 33712802.5/114

- sign 0.000+/-0.000 χ^2/NDF: 16643279.8/58

reg_asym_sam_15_dd_mean vs Slug



Right In: -44.113+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -10.354+/-19.547 χ^2/NDF: 32.8/35

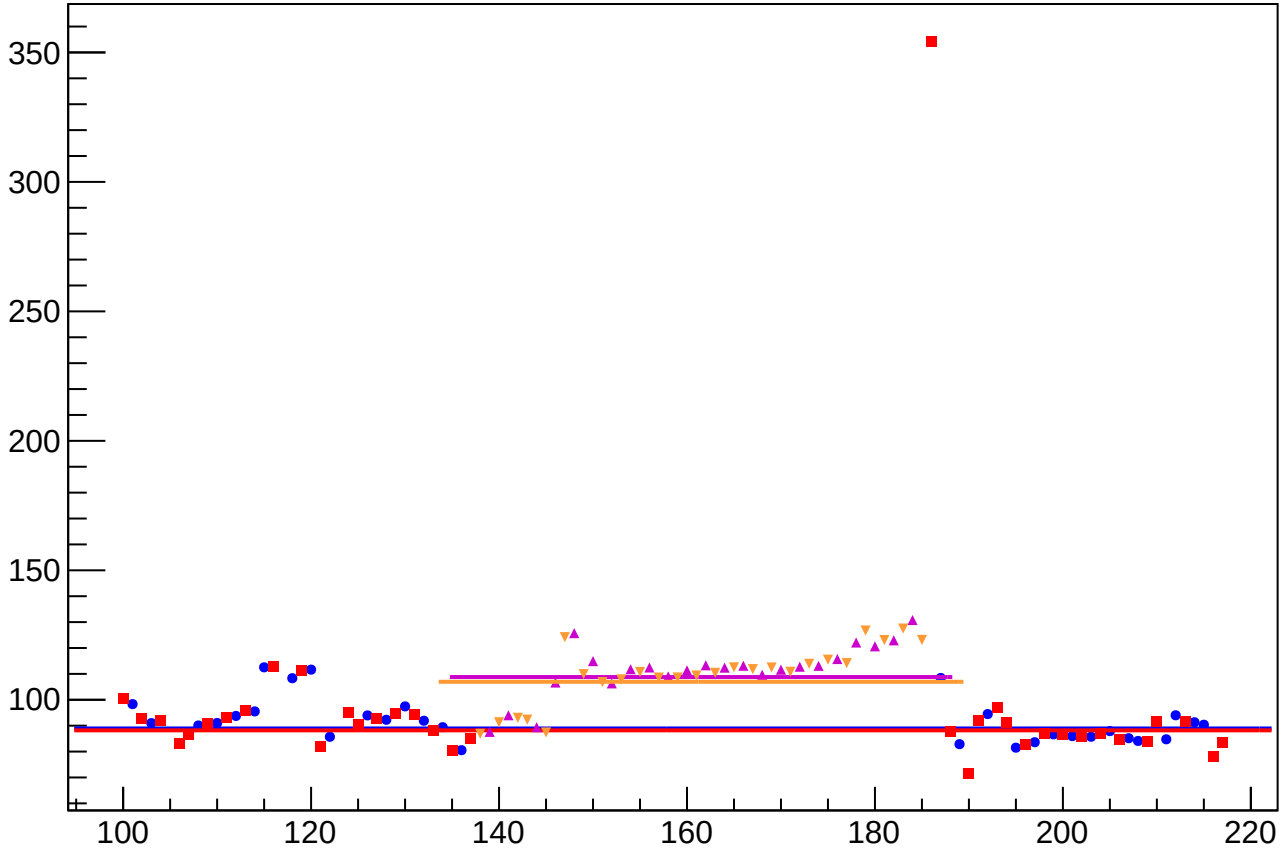
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -101.638+/-15.617 χ^2/NDF: 88.9/55

All: -25.246+/-11.009 χ^2/NDF: 218.7/114

- sign 50.225+/-15.522 χ^2/NDF: 82.3/58

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.203+/-0.014 χ^2/NDF: 687295.2/35

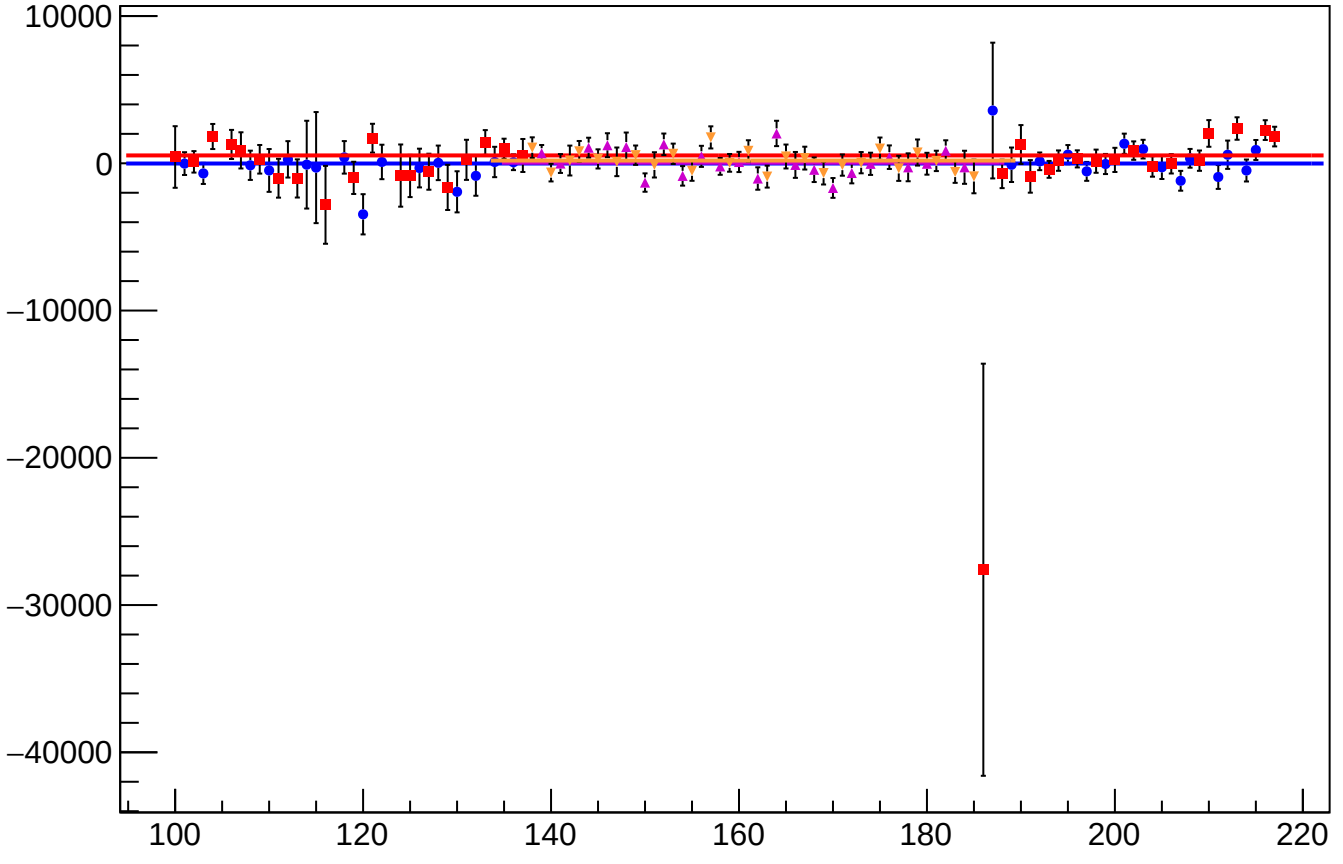
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 96.274+/-0.011 χ^2/NDF: 1306025.3/55

All: 96.038+/-0.008 χ^2/NDF: 3171495.8/114

- sign 95.805+/-0.011 χ^2/NDF: 1864560.8/58

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -14.650+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 535.047+/-147.034 χ^2/NDF: 49.4/35

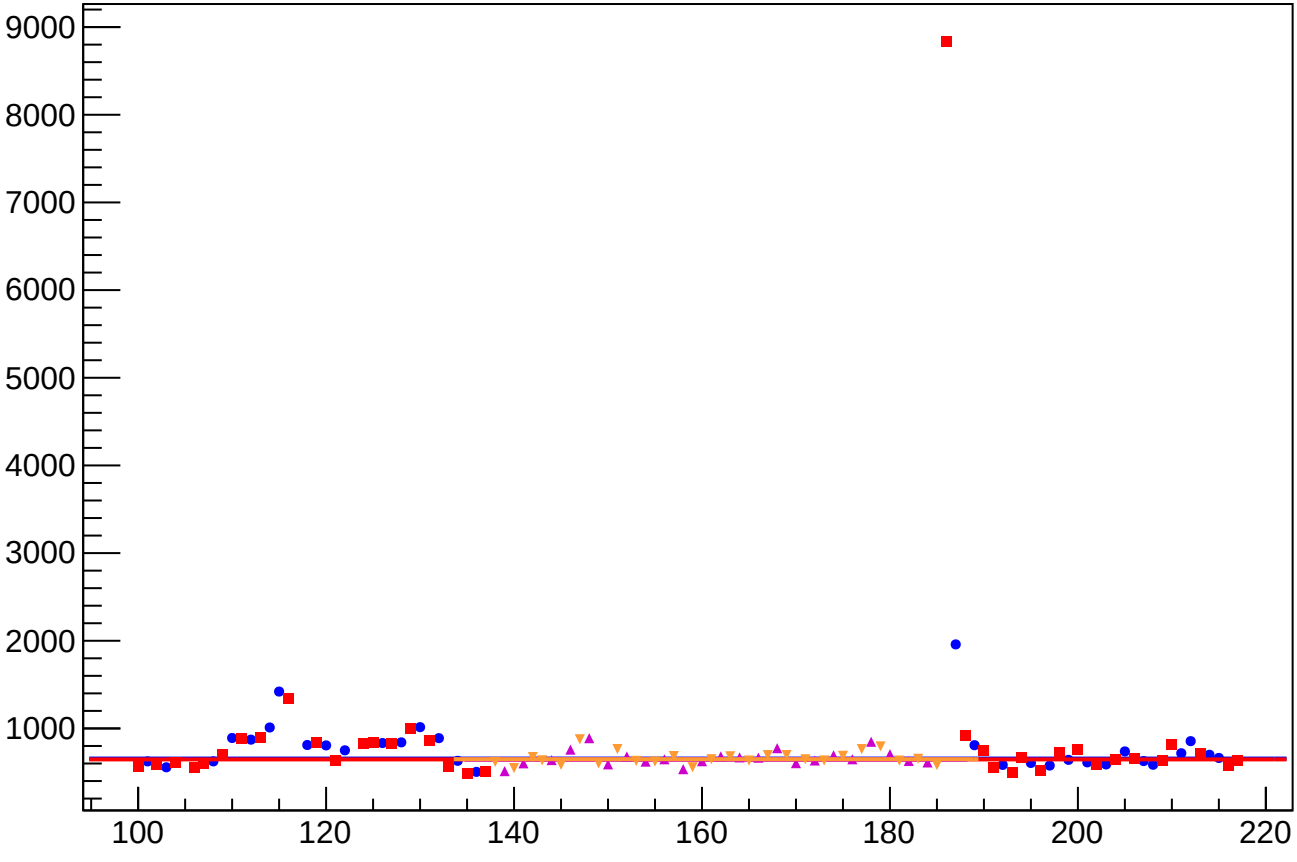
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 88.650+/-106.659 χ^2/NDF: 45.7/55

All: 193.970+/-75.078 χ^2/NDF: 136.1/114

- sign 297.408+/-105.701 χ^2/NDF: 88.5/58

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.9/30

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 646.691+/-0.104 χ^2/NDF: 2080829.2/35

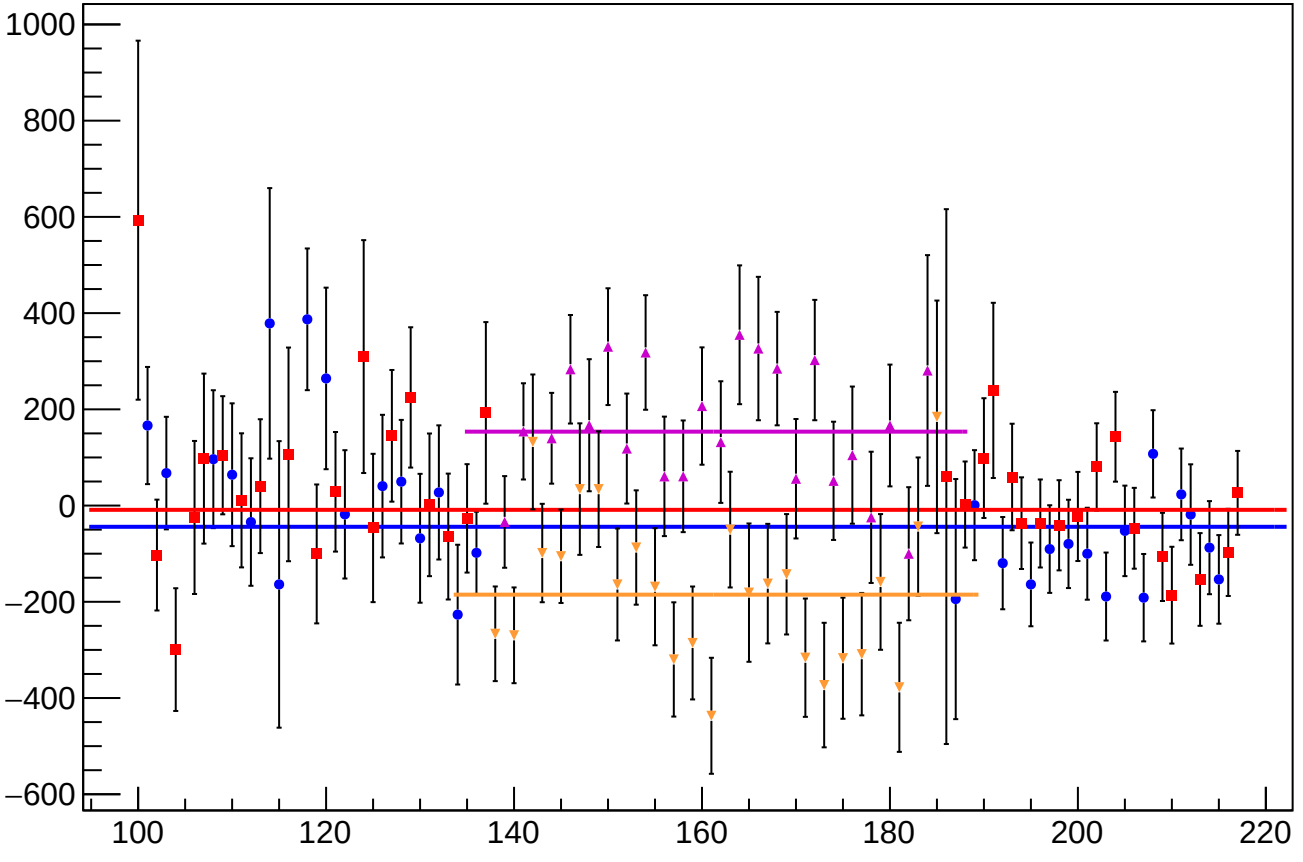
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 652.667+/-0.075 χ^2/NDF: 1653242.5/55

All: 649.014+/-0.053 χ^2/NDF: 4298148.9/114

- sign 645.426+/-0.075 χ^2/NDF: 2640255.7/58

cor_asym_sam_15_dd_mean vs Slug



Right In: -44.111+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -8.861+/-19.573 χ^2/NDF: 32.3/35

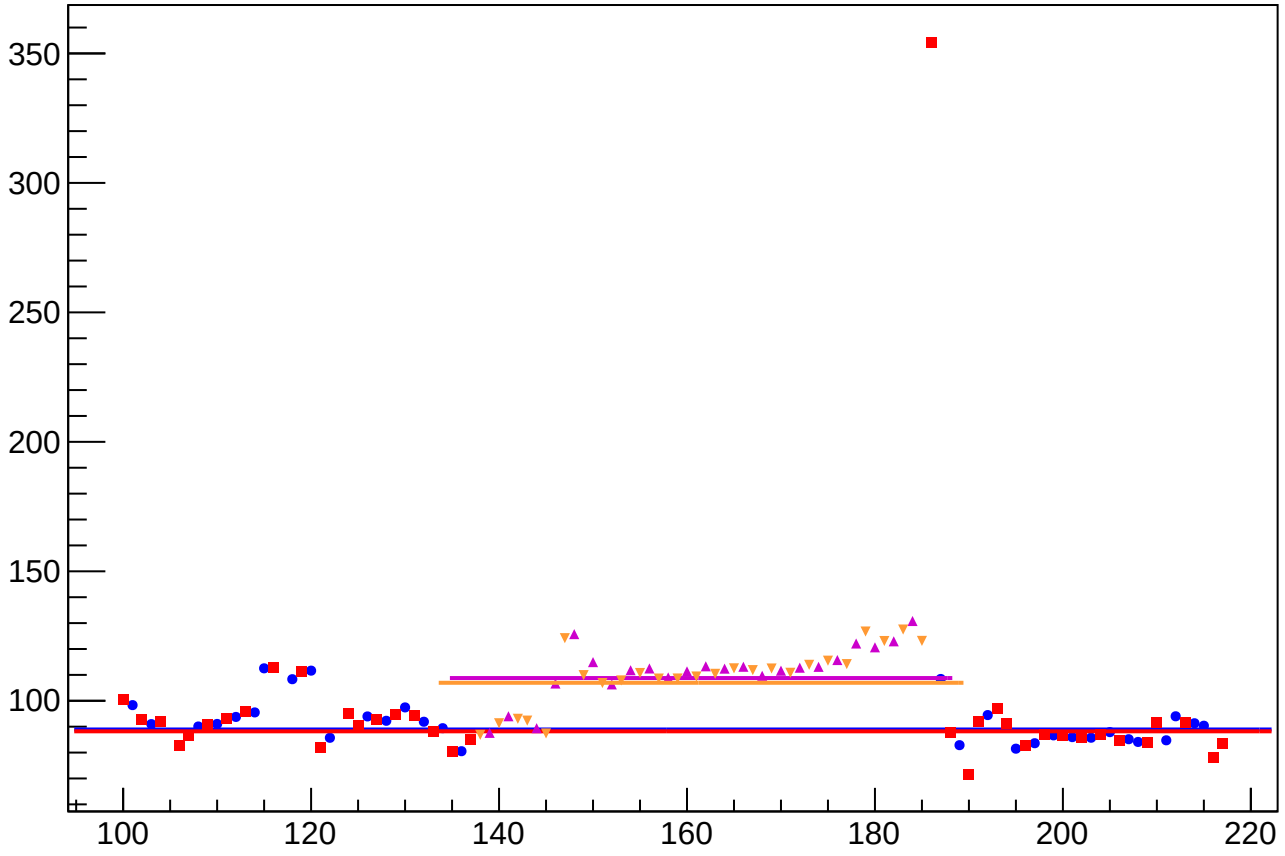
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -101.638+/-15.617 χ^2/NDF: 88.9/55

All: -24.784+/-11.014 χ^2/NDF: 218.4/114

- sign 51.268+/-15.535 χ^2/NDF: 81.4/58

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.208+/-0.014 χ^2/NDF: 687409.3/35

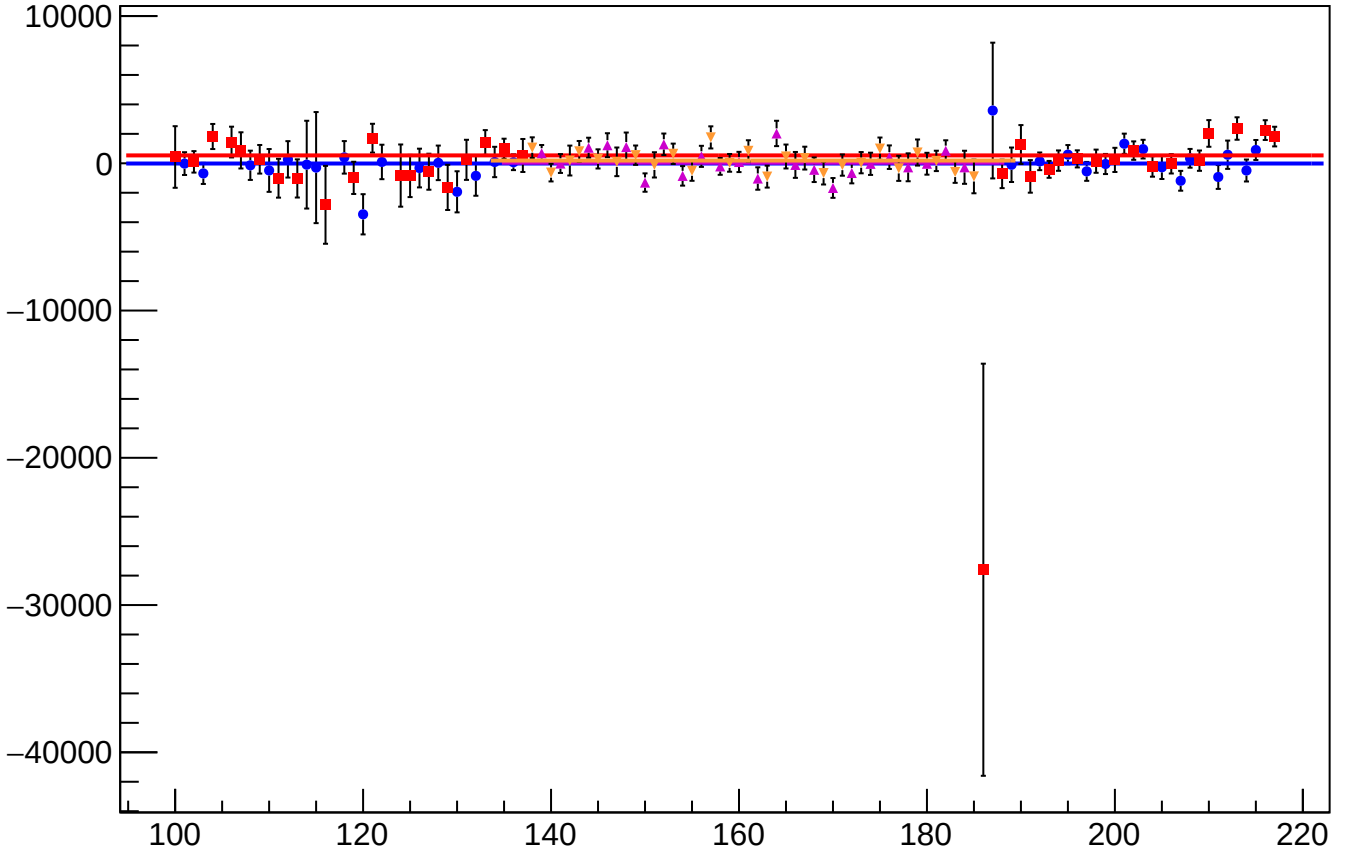
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 96.274+/-0.011 χ^2/NDF: 1306025.3/55

All: 96.046+/-0.008 χ^2/NDF: 3170364.4/114

\- sign 95.820+/-0.011 χ^2/NDF: 1863489.8/58

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -14.652+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 536.538+/-147.204 χ^2/NDF: 49.5/35

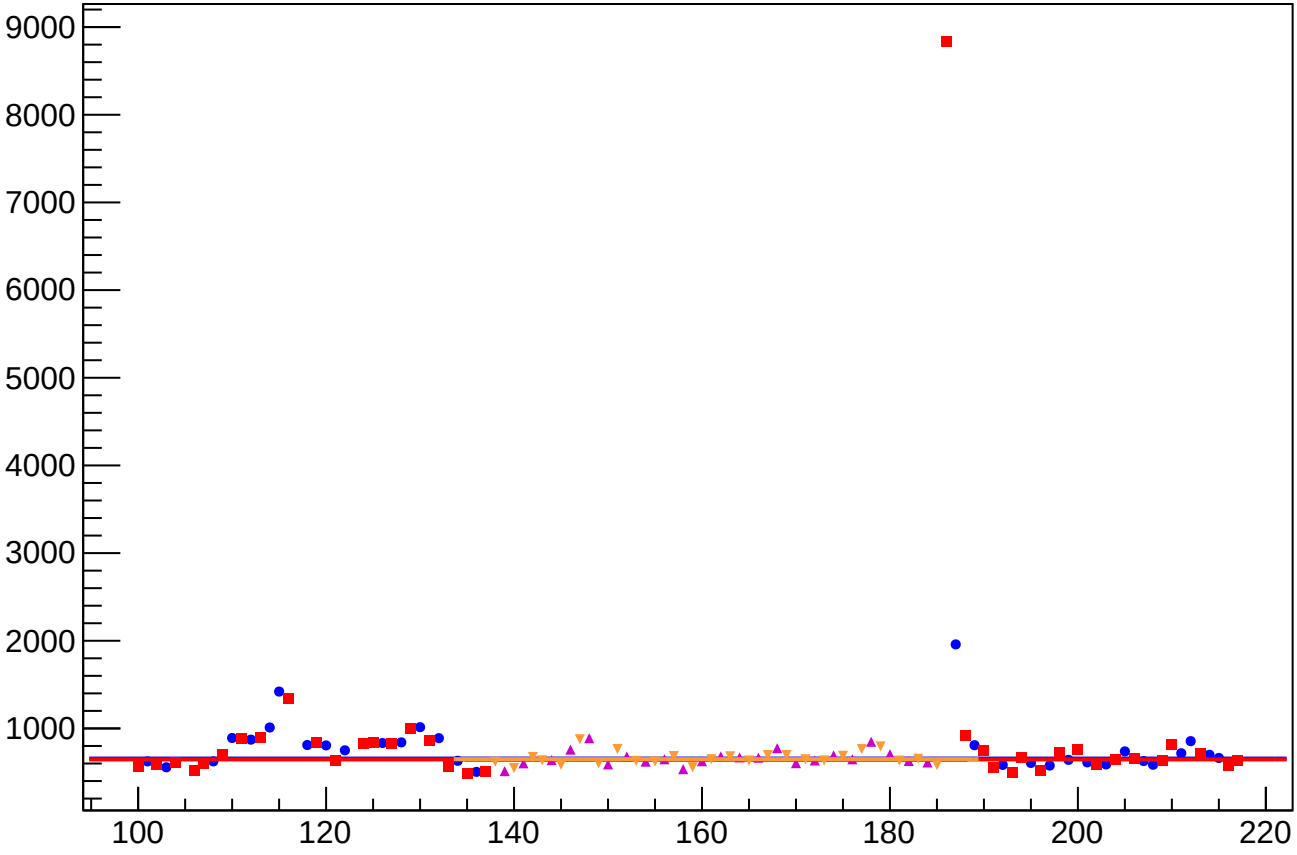
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 88.645+/-106.659 χ^2/NDF: 45.7/55

All: 194.151+/-75.101 χ^2/NDF: 136.3/114

- sign 297.895+/-105.764 χ^2/NDF: 88.7/58

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.8/30

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

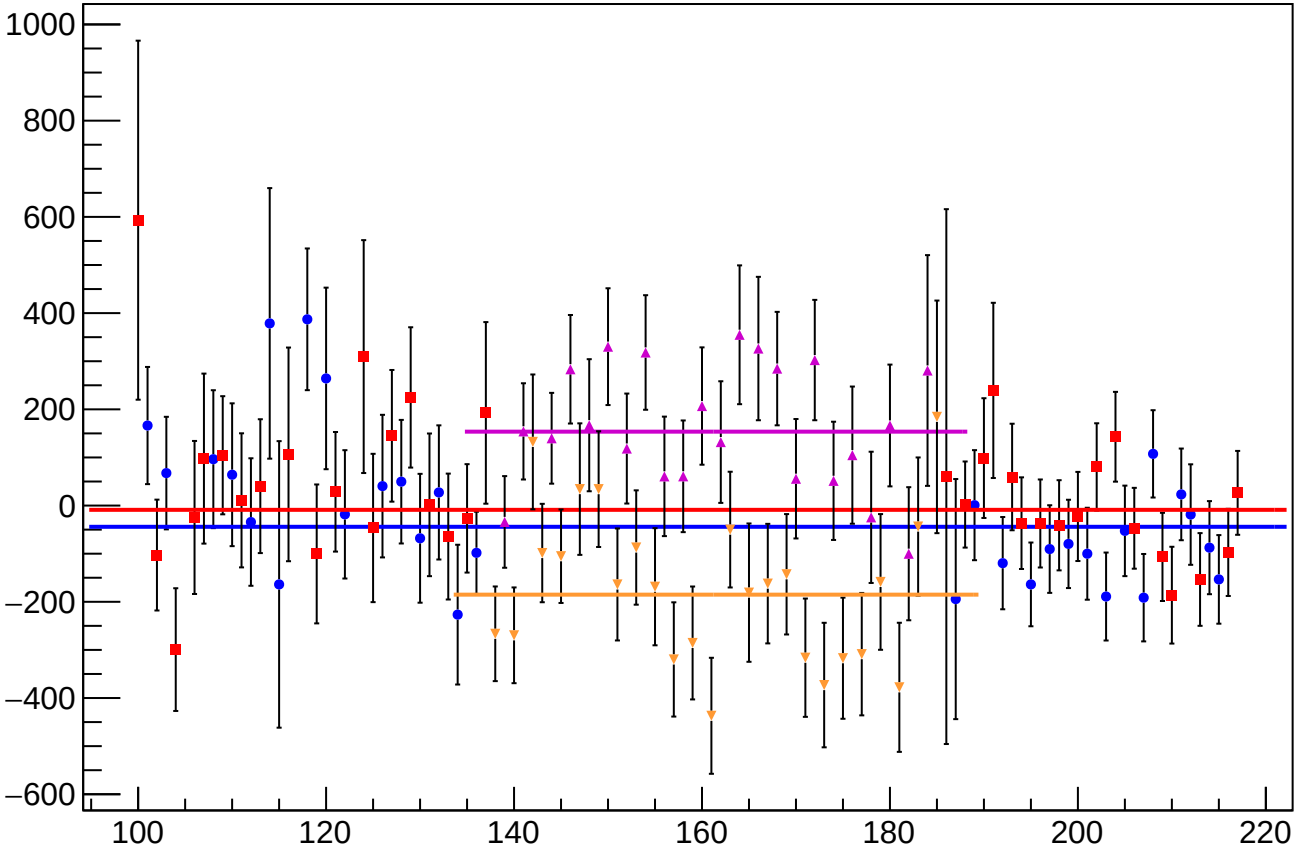
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 652.667+/-0.075 χ^2/NDF: 1653243.1/55

All: 648.929+/-0.053 χ^2/NDF: 4307602.6/114

- sign 645.253+/-0.075 χ^2/NDF: 2649486.9/58

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -44.111+/-20.295 χ^2/NDF: 36.1/30

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -8.861+/-19.573 χ^2/NDF: 32.3/35

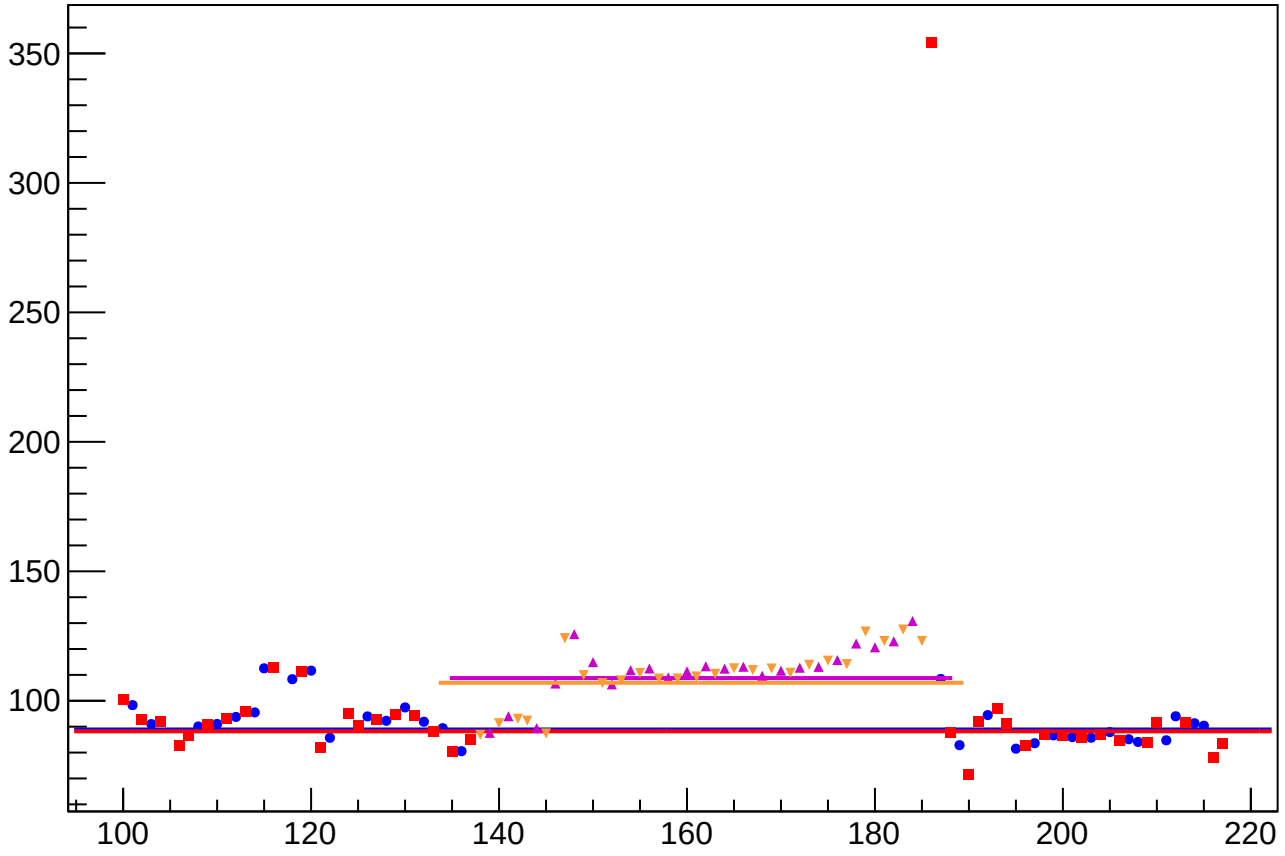
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -101.638+/-15.617 χ^2/NDF: 88.9/55

All: -24.784+/-11.014 χ^2/NDF: 218.4/114

- sign 51.268+/-15.535 χ^2/NDF: 81.4/58

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.918+/-0.014 χ^2/NDF: 197442.0/30

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

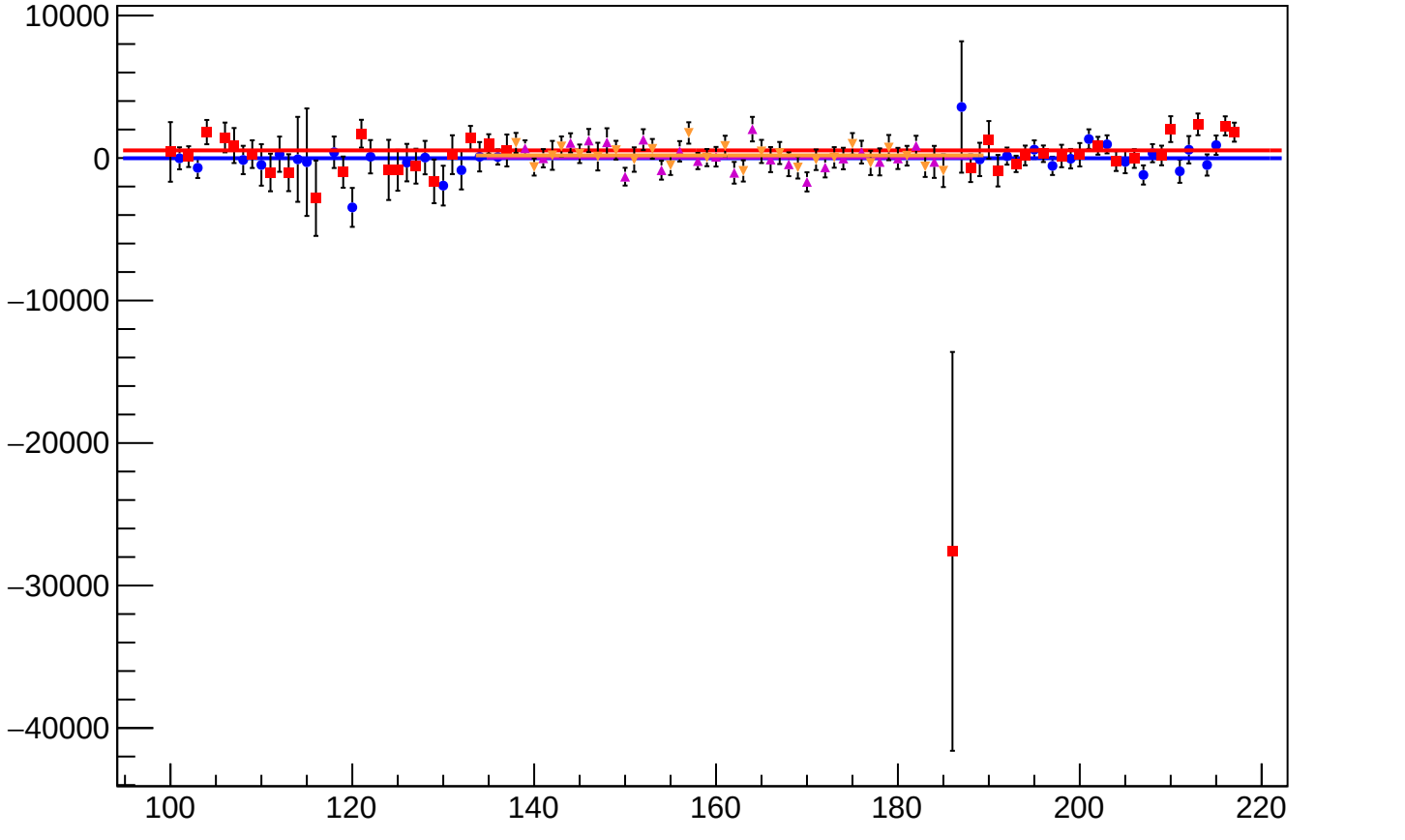
Right Out: 88.208+/-0.014 χ^2/NDF: 687409.3/35

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 96.274+/-0.011 χ^2/NDF: 1306025.3/55

All: 96.046+/-0.008 χ^2/NDF: 3170364.4/114

\- sign 95.820+/-0.011 χ^2/NDF: 1863489.8/58



Right In: -14.652+/-152.941 χ^2/NDF: 25.7/30

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 536.538+/-147.204 χ^2/NDF: 49.5/35

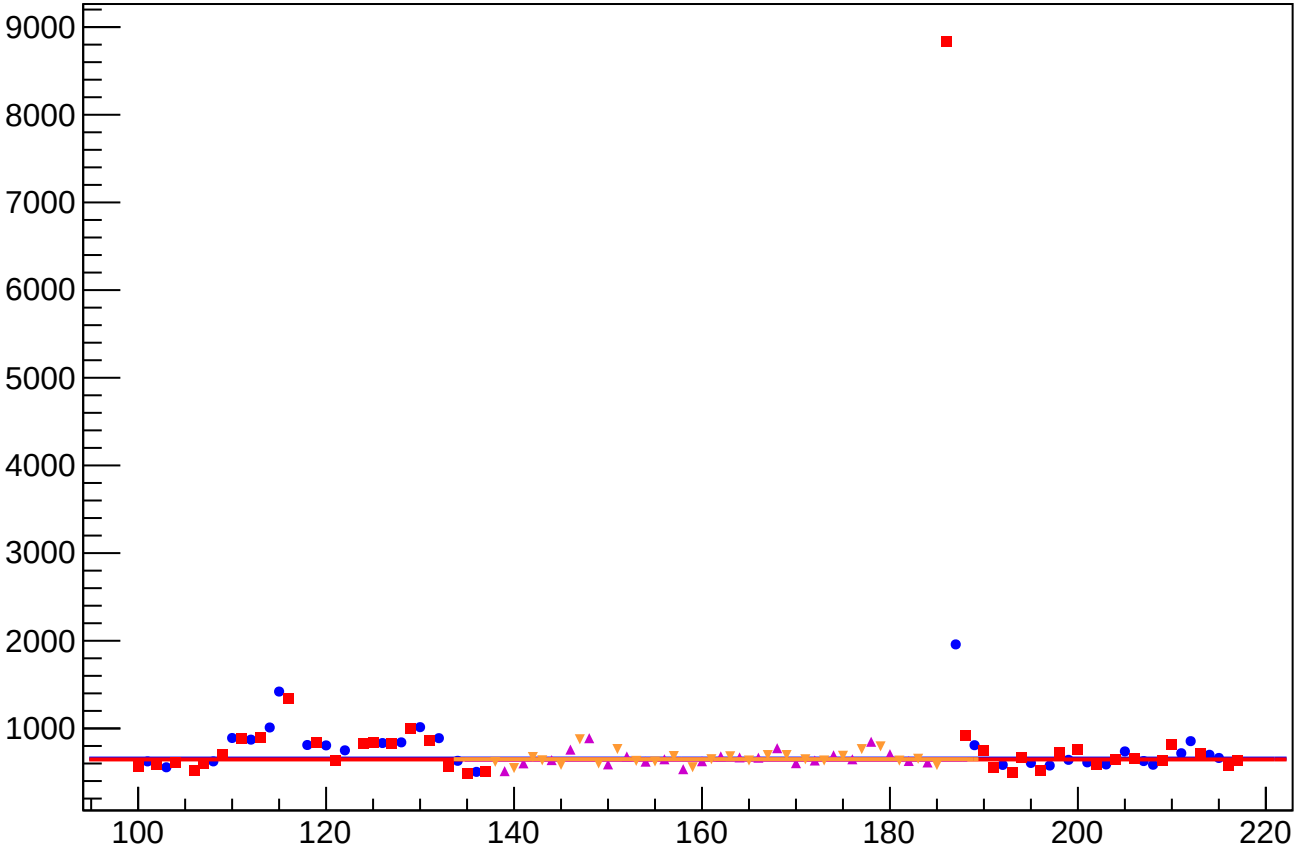
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 88.645+/-106.659 χ^2/NDF: 45.7/55

All: 194.151+/-75.101 χ^2/NDF: 136.3/114

- sign 297.895+/-105.764 χ^2/NDF: 88.7/58

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 656.340+/-0.108 χ^2/NDF: 1232631.8/30

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 646.359+/-0.104 χ^2/NDF: 2090132.3/35

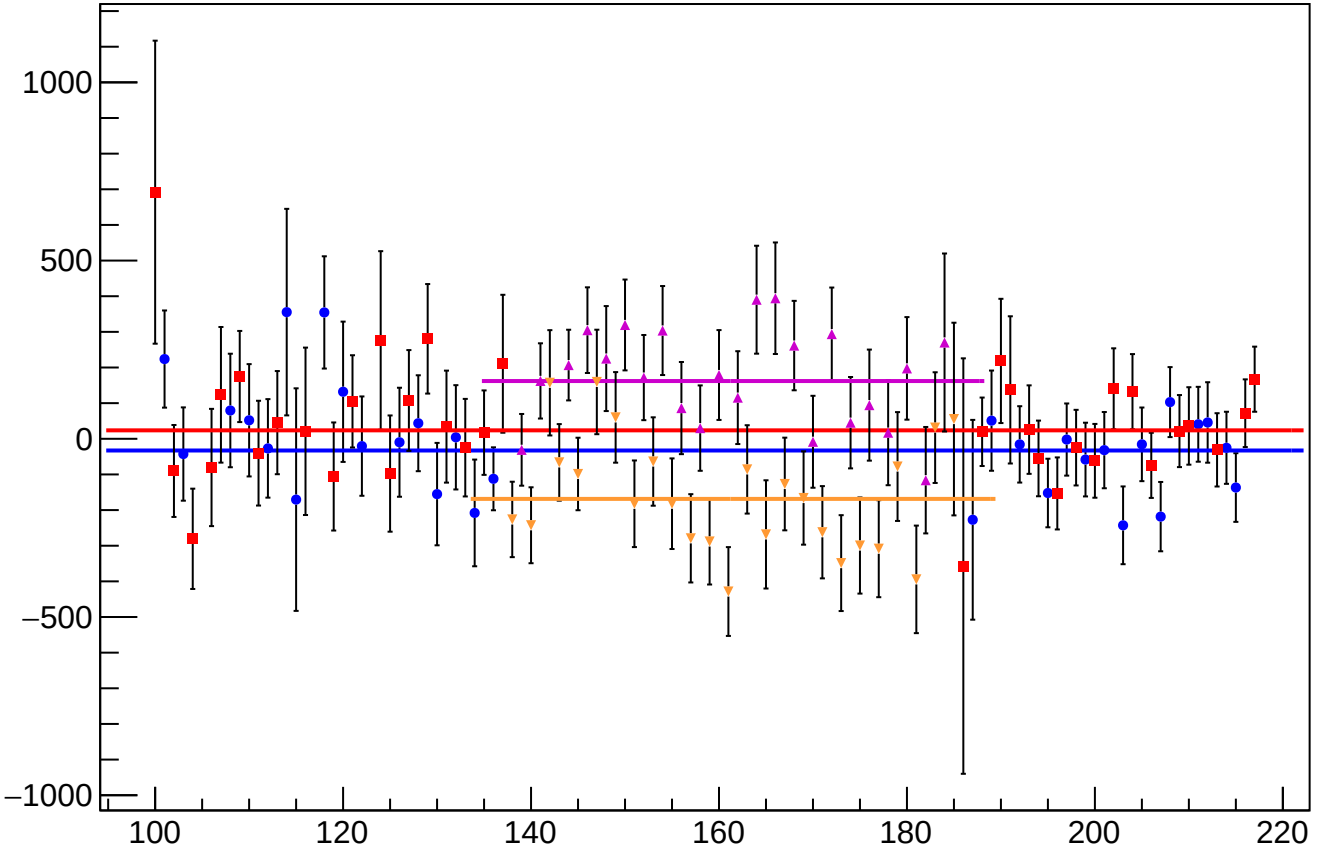
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 652.667+/-0.075 χ^2/NDF: 1653243.1/55

All: 648.929+/-0.053 χ^2/NDF: 4307602.6/114

- sign 645.253+/-0.075 χ^2/NDF: 2649486.9/58

dit_asym_sam_15_dd_mean vs Slug



Right In: -32.838+/-22.090 χ^2/NDF: 30.4/30

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 23.699+/-21.360 χ^2/NDF: 29.9/35

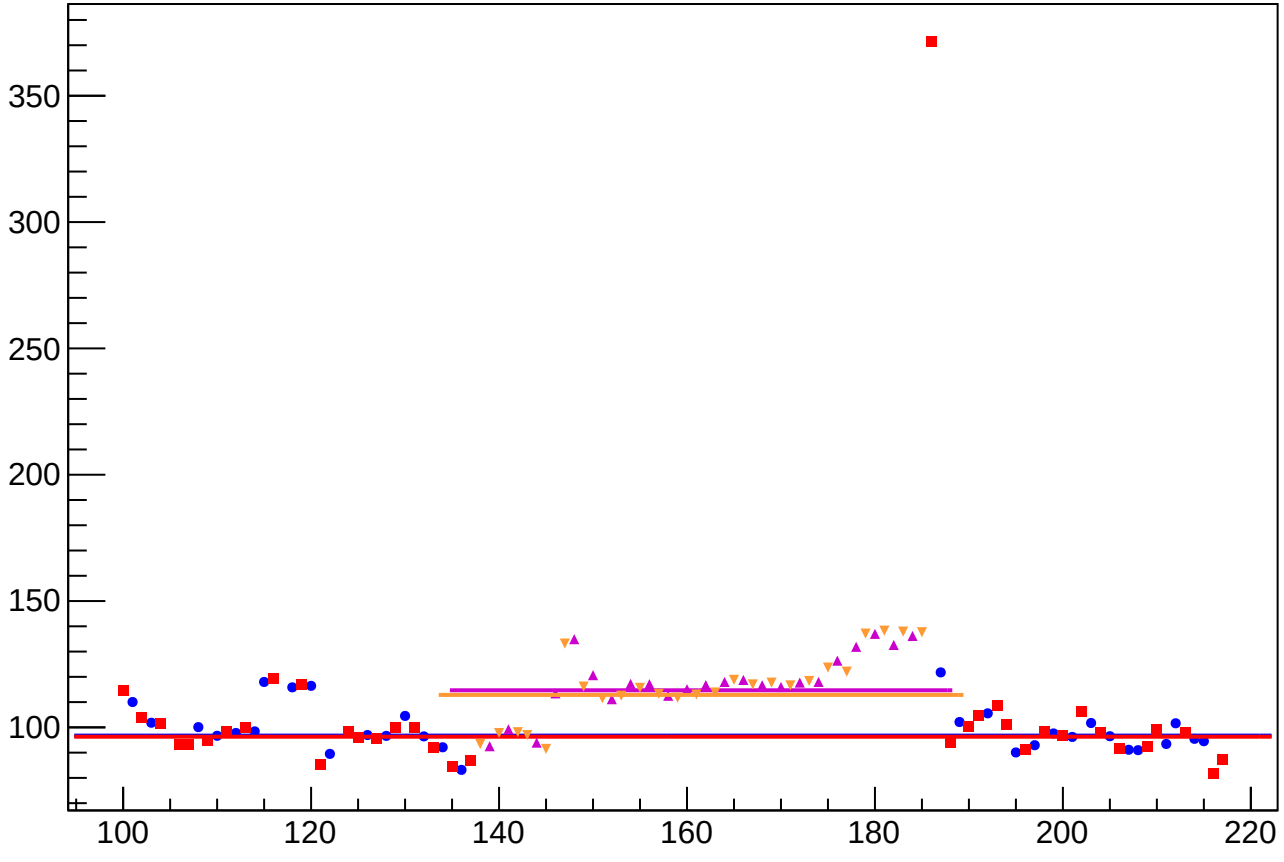
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -90.229+/-16.785 χ^2/NDF: 78.7/55

All: -6.348+/-11.853 χ^2/NDF: 198.2/114

- sign 77.074+/-16.739 χ^2/NDF: 69.7/58

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.735+/-0.016 χ^2/NDF: 212007.4/30

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 96.307+/-0.015 χ^2/NDF: 689267.8/35

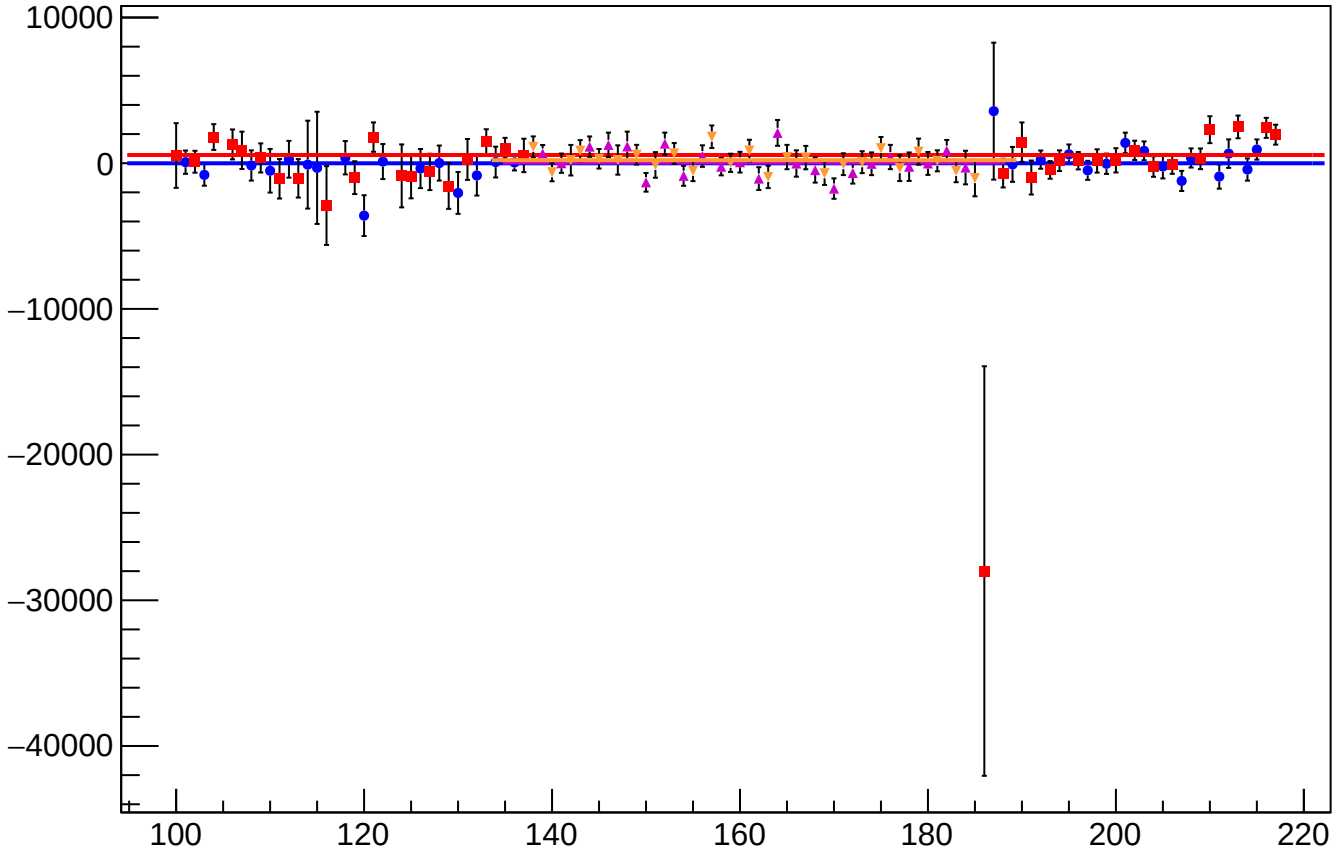
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 103.546+/-0.012 χ^2/NDF: 1174055.8/55

All: 103.470+/-0.008 χ^2/NDF: 2844157.0/114

- sign 103.395+/-0.012 χ^2/NDF: 1670020.5/58

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -5.097+/-157.160 χ^2/NDF: 25.6/30

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 563.418+/-151.455 χ^2/NDF: 52.3/35

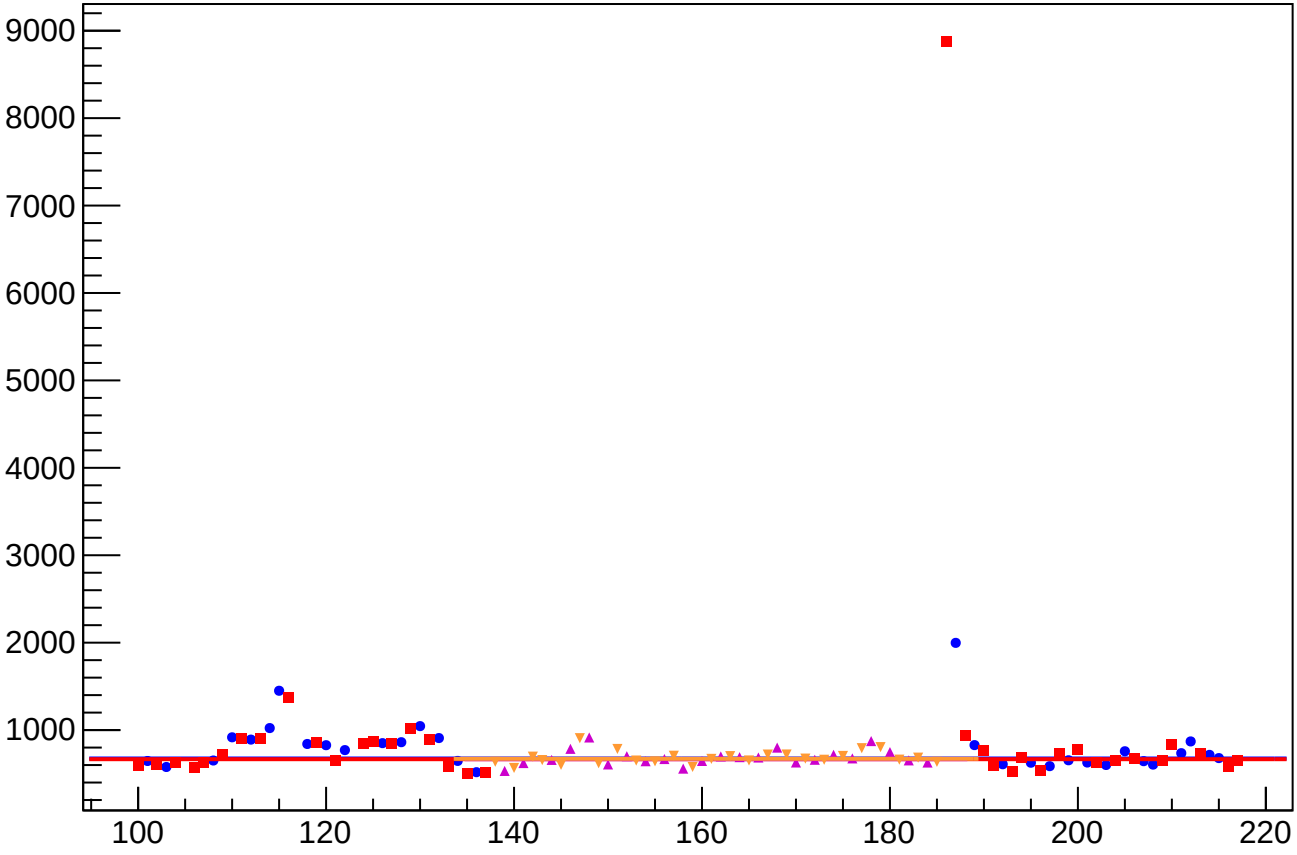
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 104.370+/-109.968 χ^2/NDF: 45.5/55

All: 211.391+/-77.473 χ^2/NDF: 138.4/114

- sign 316.854+/-109.165 χ^2/NDF: 91.1/58

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 674.896+/-0.111 χ^2/NDF: 1210943.9/30

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 667.101+/-0.107 χ^2/NDF: 1998137.8/35

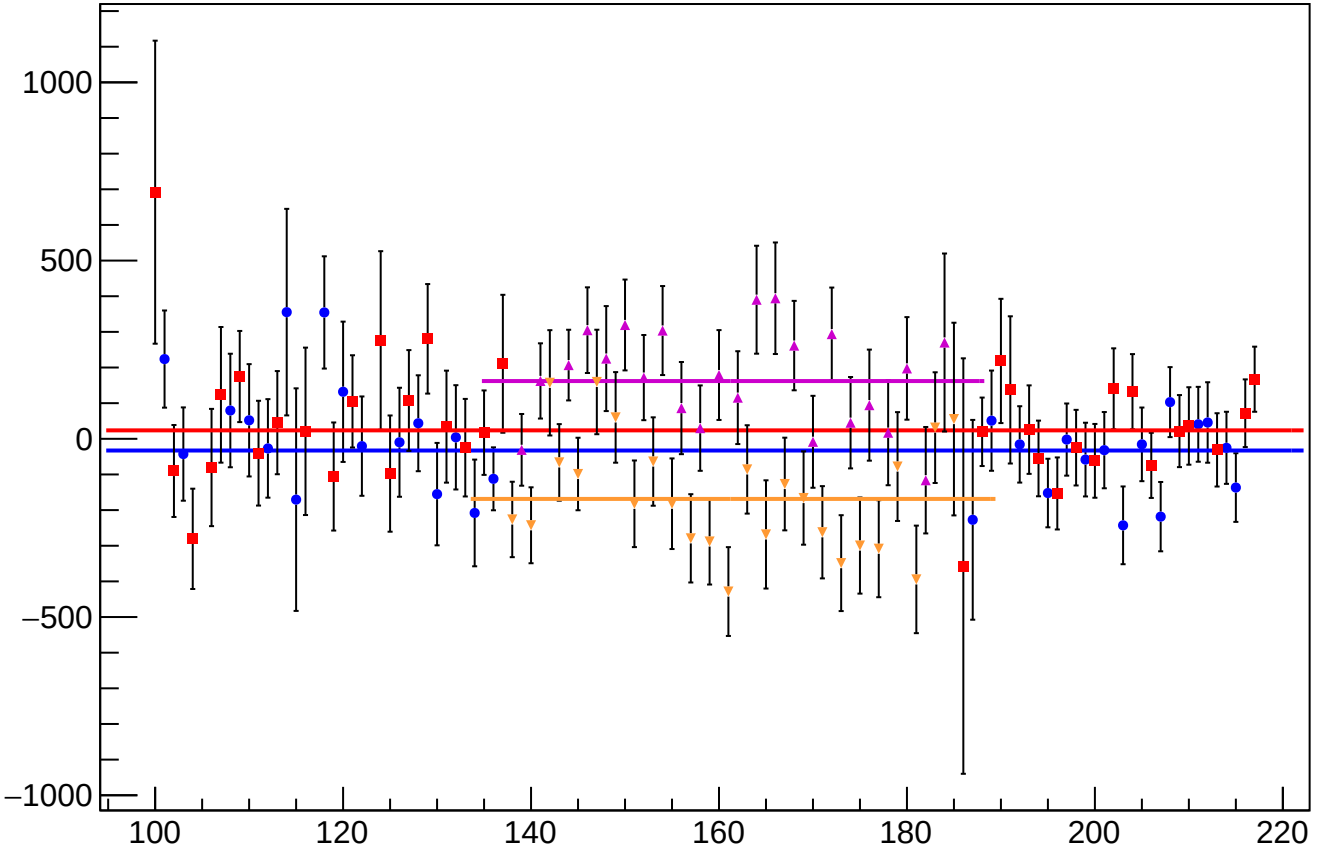
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 673.340+/-0.078 χ^2/NDF: 1610487.6/55

All: 670.256+/-0.055 χ^2/NDF: 4158655.5/114

- sign 667.216+/-0.077 χ^2/NDF: 2545043.8/58

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -32.838+/-22.090 χ^2/NDF: 30.4/30

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 23.698+/-21.360 χ^2/NDF: 29.9/35

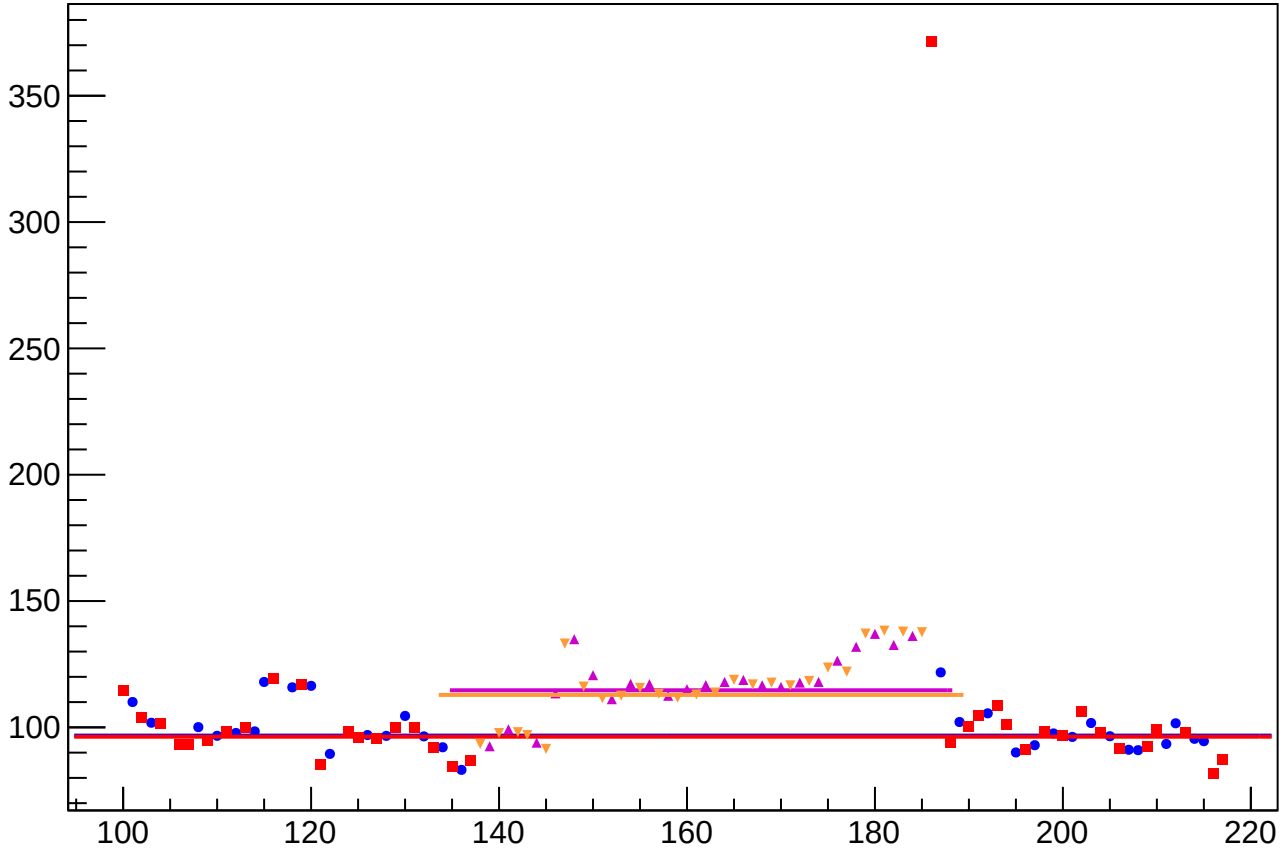
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -90.229+/-16.785 χ^2/NDF: 78.7/55

All: -6.348+/-11.853 χ^2/NDF: 198.2/114

- sign 77.073+/-16.739 χ^2/NDF: 69.7/58

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.735+/-0.016 χ^2/NDF: 212010.8/30

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 96.306+/-0.015 χ^2/NDF: 689272.9/35

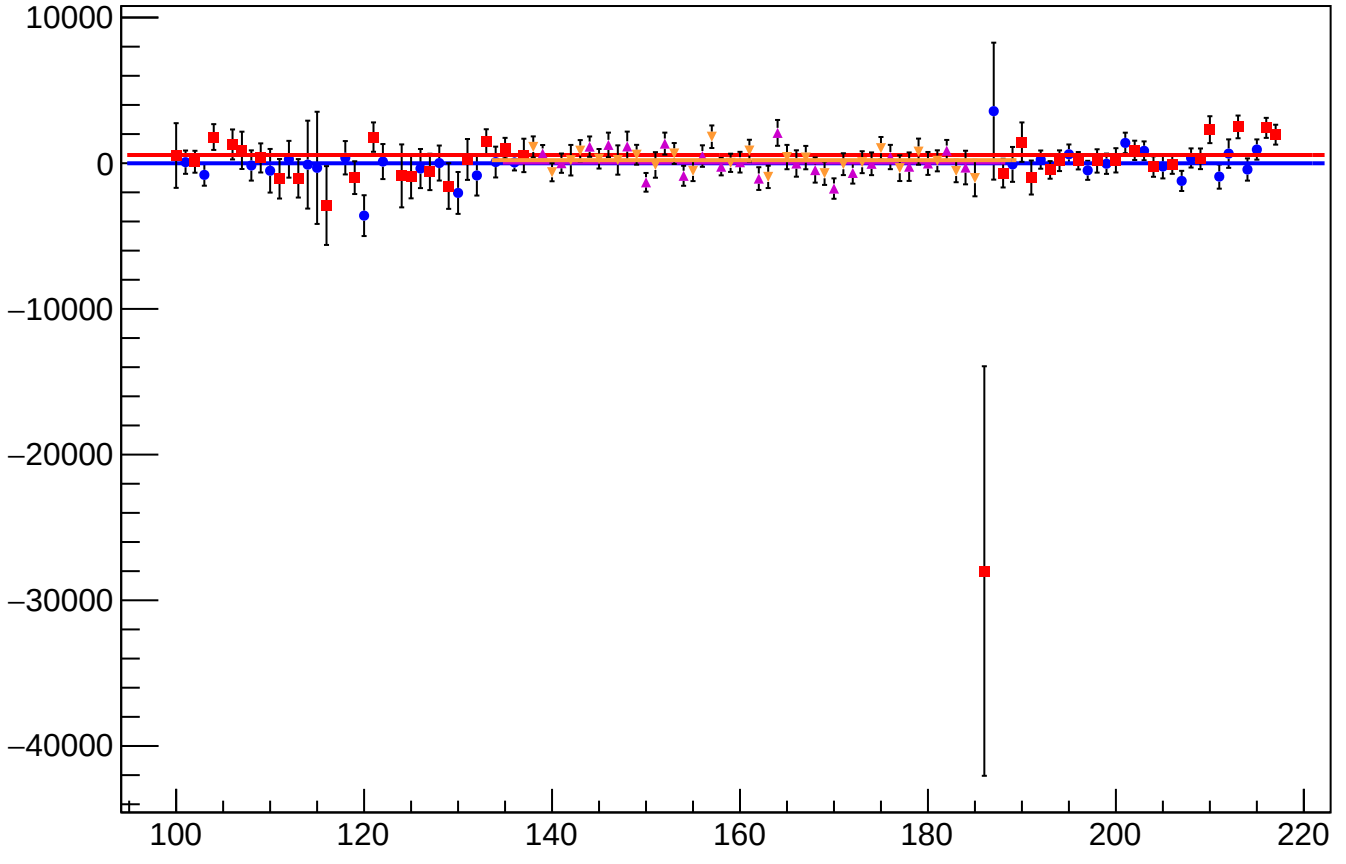
Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 103.546+/-0.012 χ^2/NDF: 1174062.3/55

All: 103.470+/-0.008 χ^2/NDF: 2844183.0/114

- sign 103.395+/-0.012 χ^2/NDF: 1670040.0/58

asym_sam_15_dd_eigen_dit_correction_mean vs Slug



Right In: -5.097+/-157.160 χ^2/NDF: 25.6/30

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 563.418+/-151.455 χ^2/NDF: 52.3/35

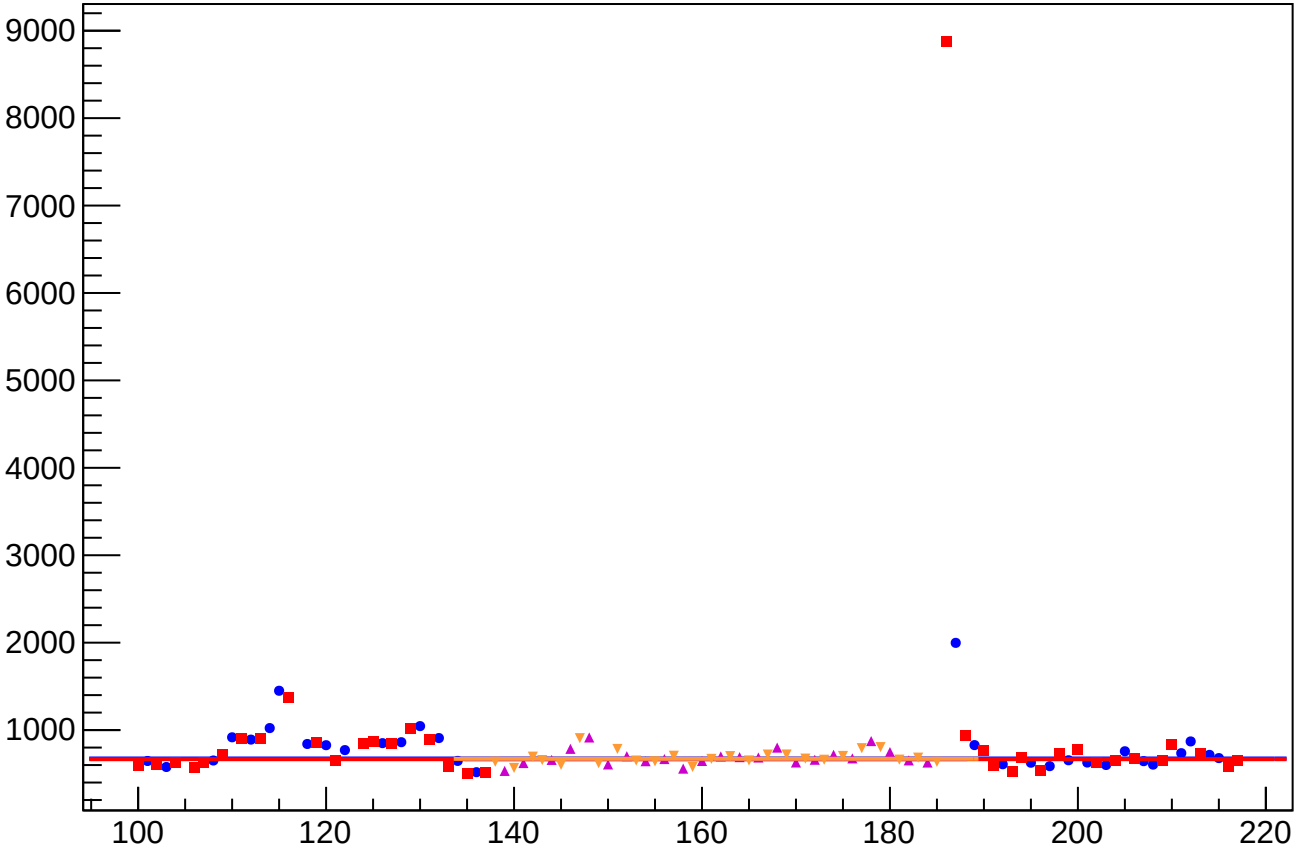
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 104.370+/-109.968 χ^2/NDF: 45.5/55

All: 211.391+/-77.473 χ^2/NDF: 138.4/114

- sign 316.855+/-109.165 χ^2/NDF: 91.1/58

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 674.895+/-0.111 χ^2/NDF: 1210944.0/30

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

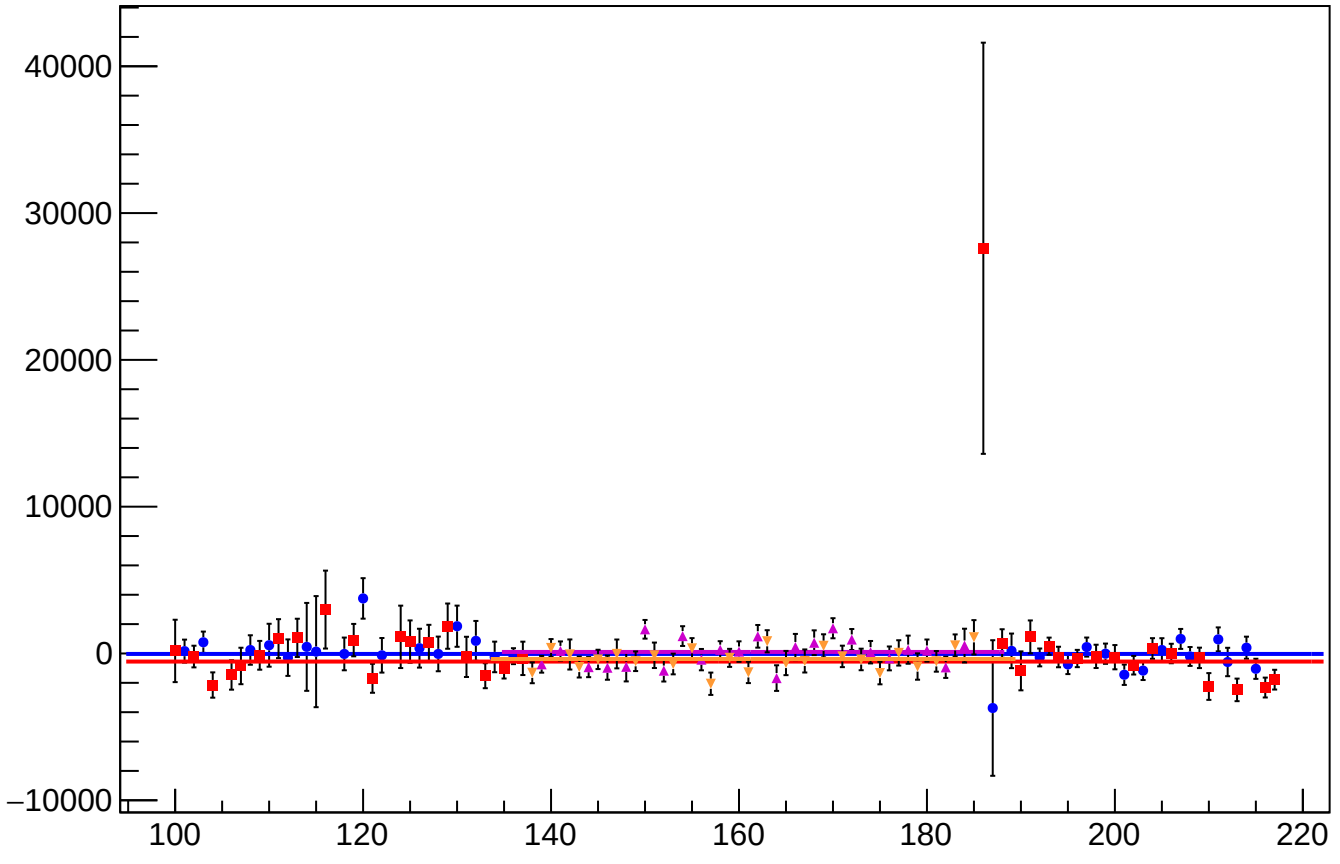
Right Out: 667.100+/-0.107 χ^2/NDF: 1998144.3/35

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 673.340+/-0.078 χ^2/NDF: 1610487.8/55

All: 670.256+/-0.055 χ^2/NDF: 4158664.6/114

- sign 667.216+/-0.077 χ^2/NDF: 2545052.6/58



Right In: -31.944+/-154.463 χ^2/NDF: 28.2/30

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -551.098+/-148.558 χ^2/NDF: 54.0/35

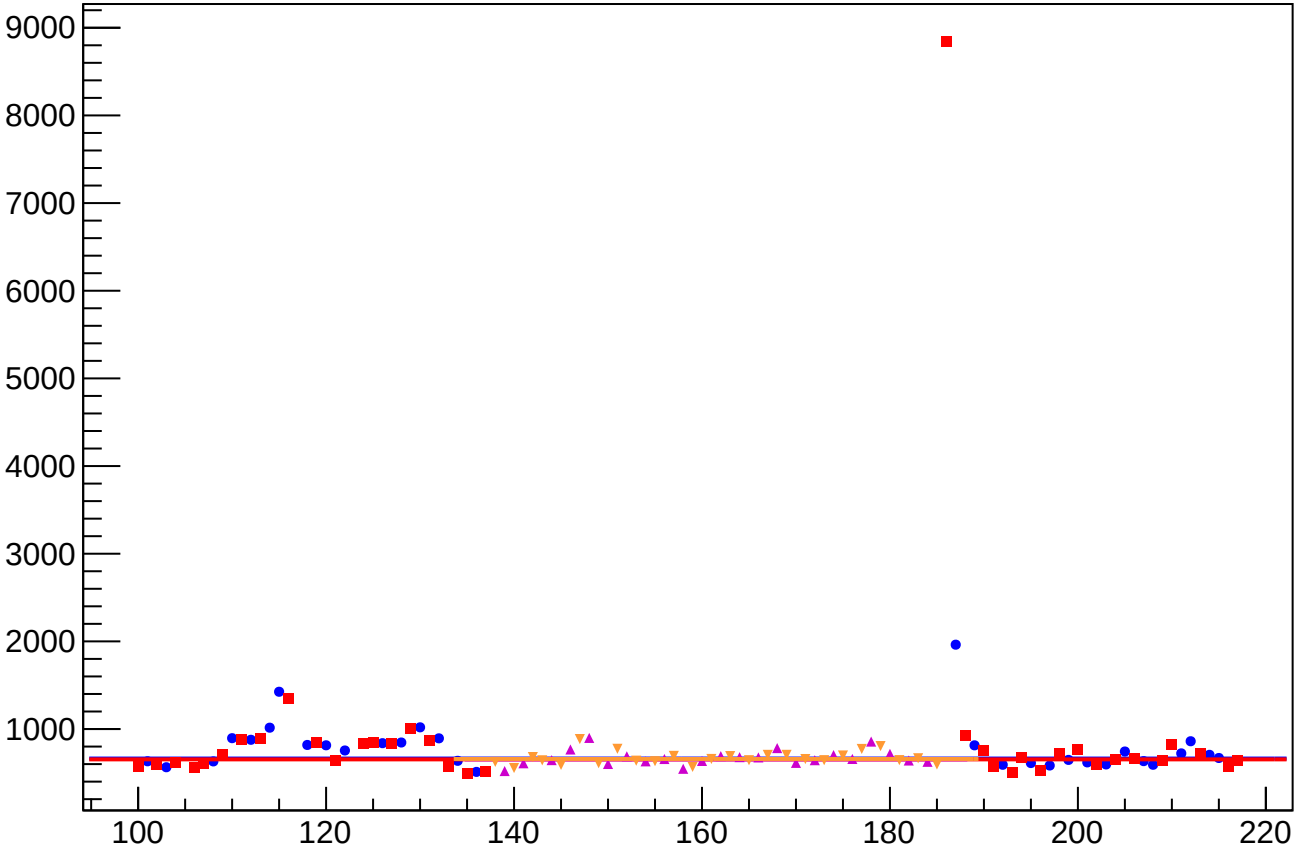
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -208.551+/-107.959 χ^2/NDF: 52.1/55

All: -222.578+/-76.008 χ^2/NDF: 151.0/114

- sign -236.365+/-107.031 χ^2/NDF: 98.9/58

asym_sam_15_dd_rms vs Slug



Right In: 663.249+/-0.109 χ^2/NDF: 1204933.2/30

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

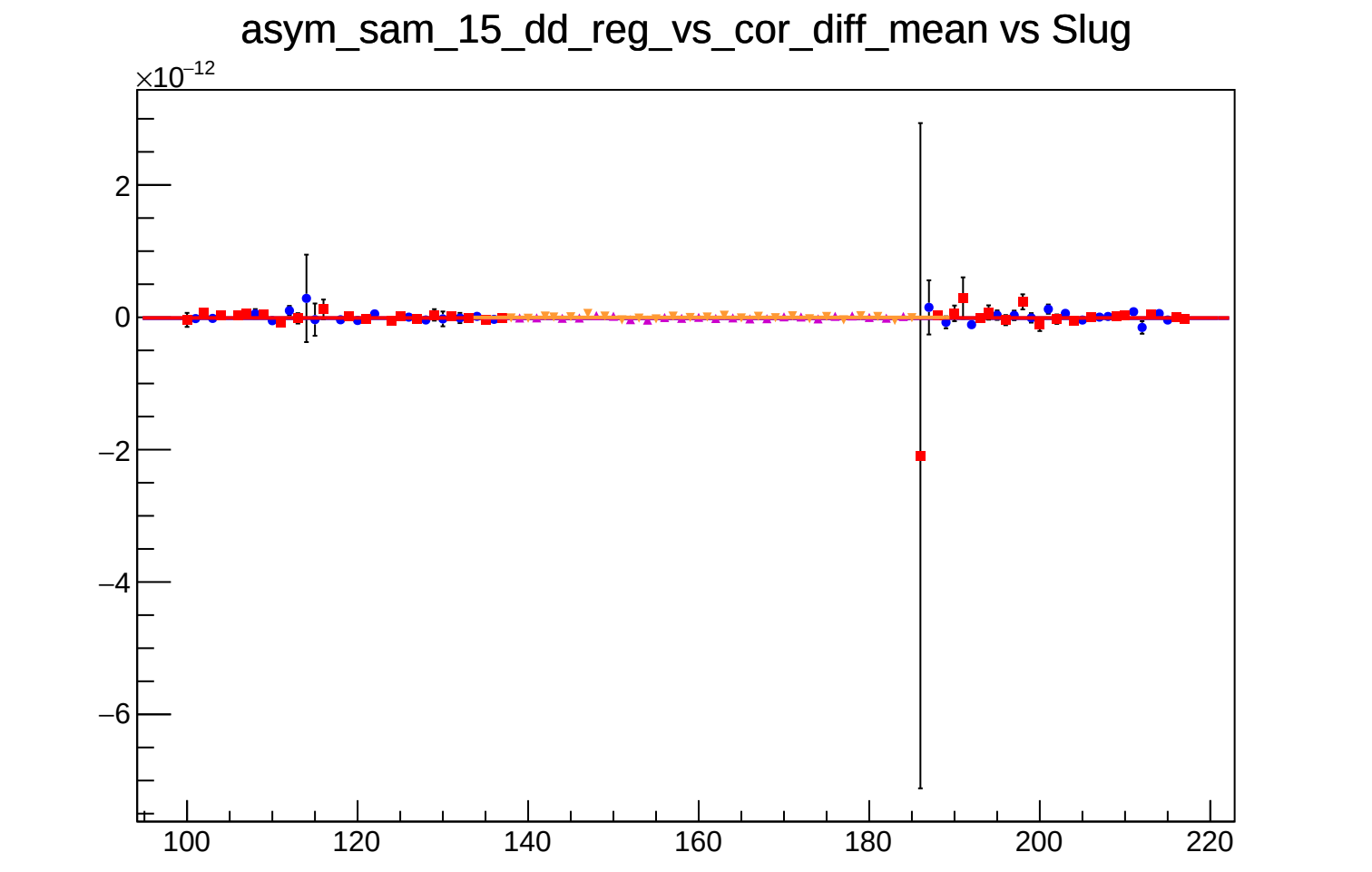
Right Out: 653.898+/-0.105 χ^2/NDF: 2039485.9/35

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 660.908+/-0.076 χ^2/NDF: 1615515.7/55

All: 657.385+/-0.054 χ^2/NDF: 4201302.0/114

- sign 653.923+/-0.076 χ^2/NDF: 2581564.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

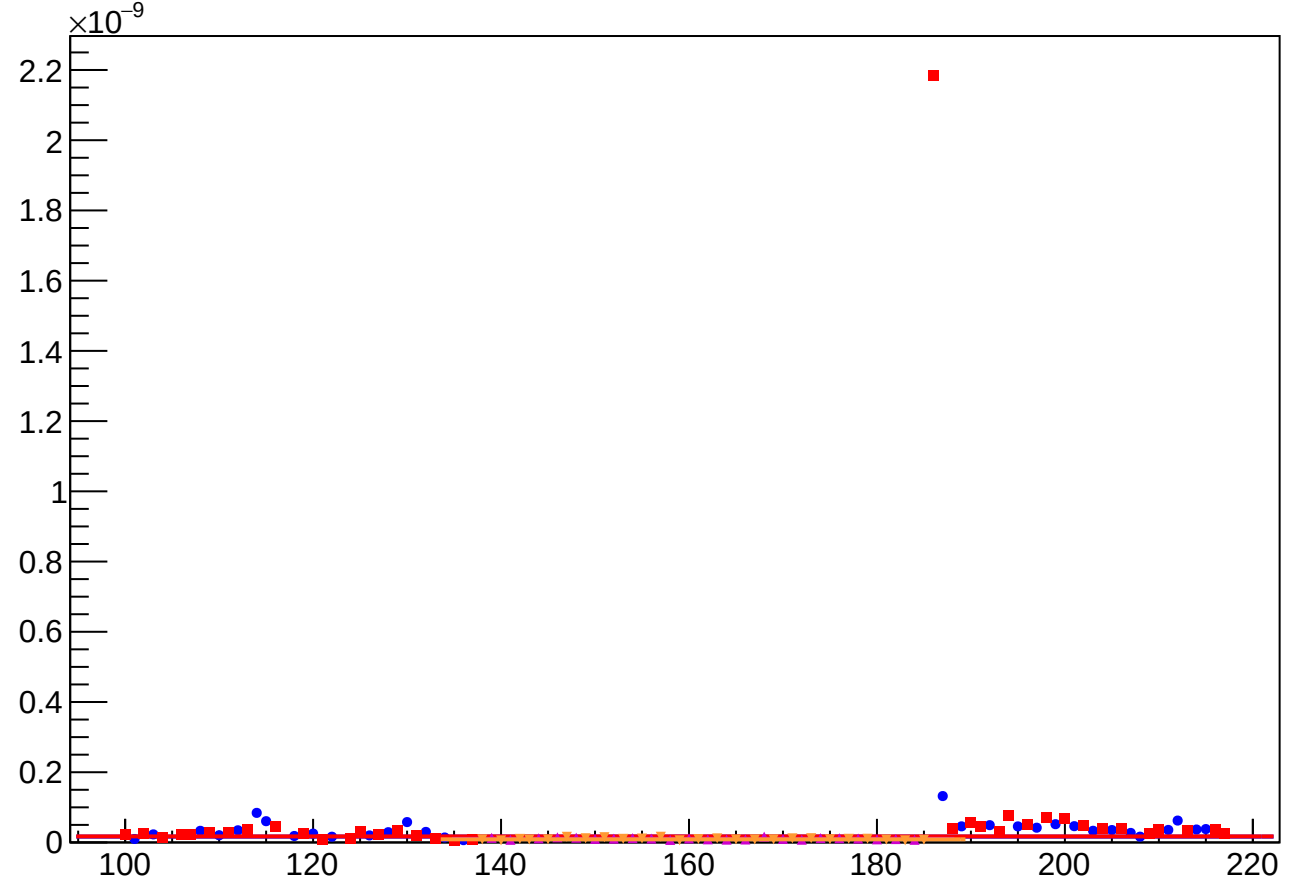
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/35

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

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/55

All: -0.000+/-0.000 χ^2/NDF: 107.9/114

- sign -0.000+/-0.000 χ^2/NDF: 44.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 7122641.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8093826.3/35

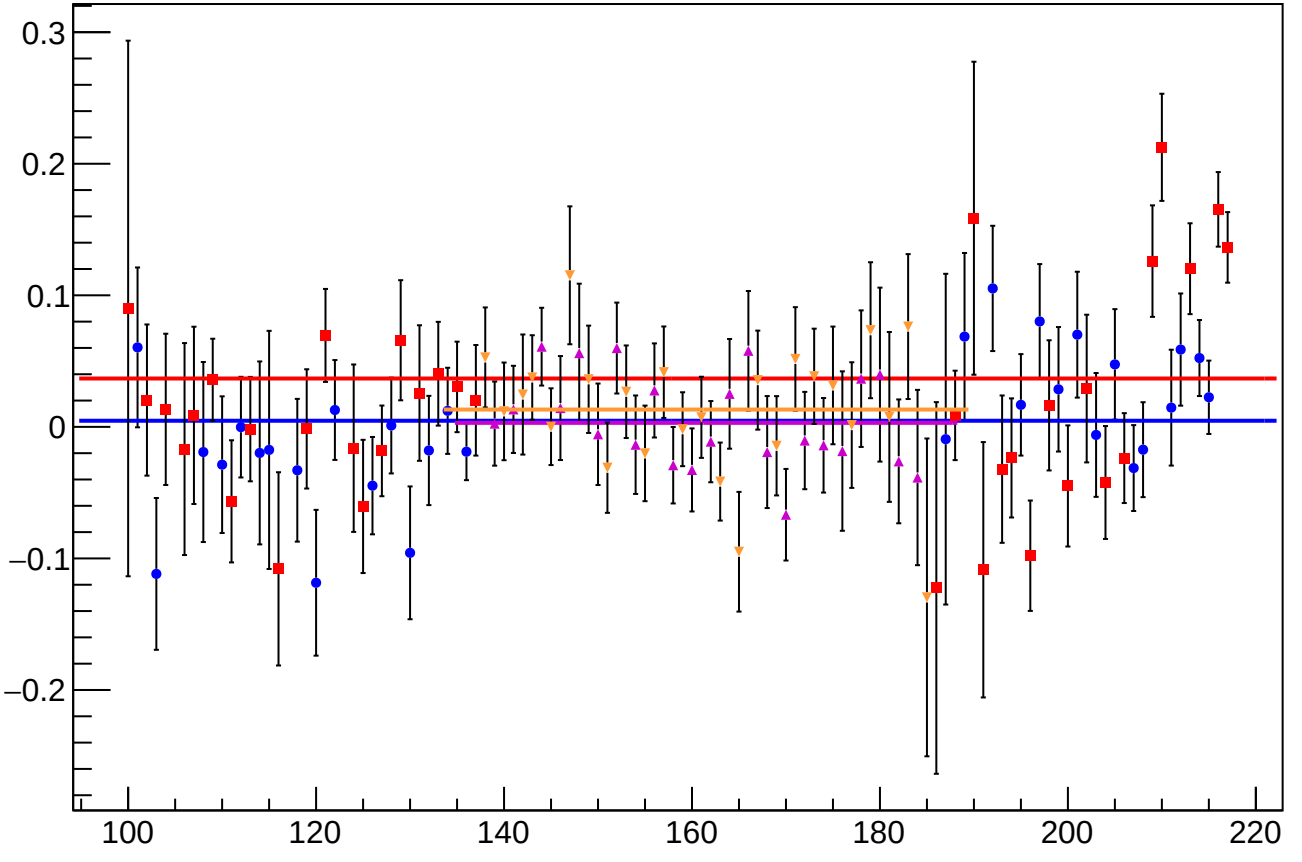
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10164541.3/55

All: 0.000+/-0.000 χ^2/NDF: 20660660.2/114

- sign 0.000+/-0.000 χ^2/NDF: 10312847.8/58

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

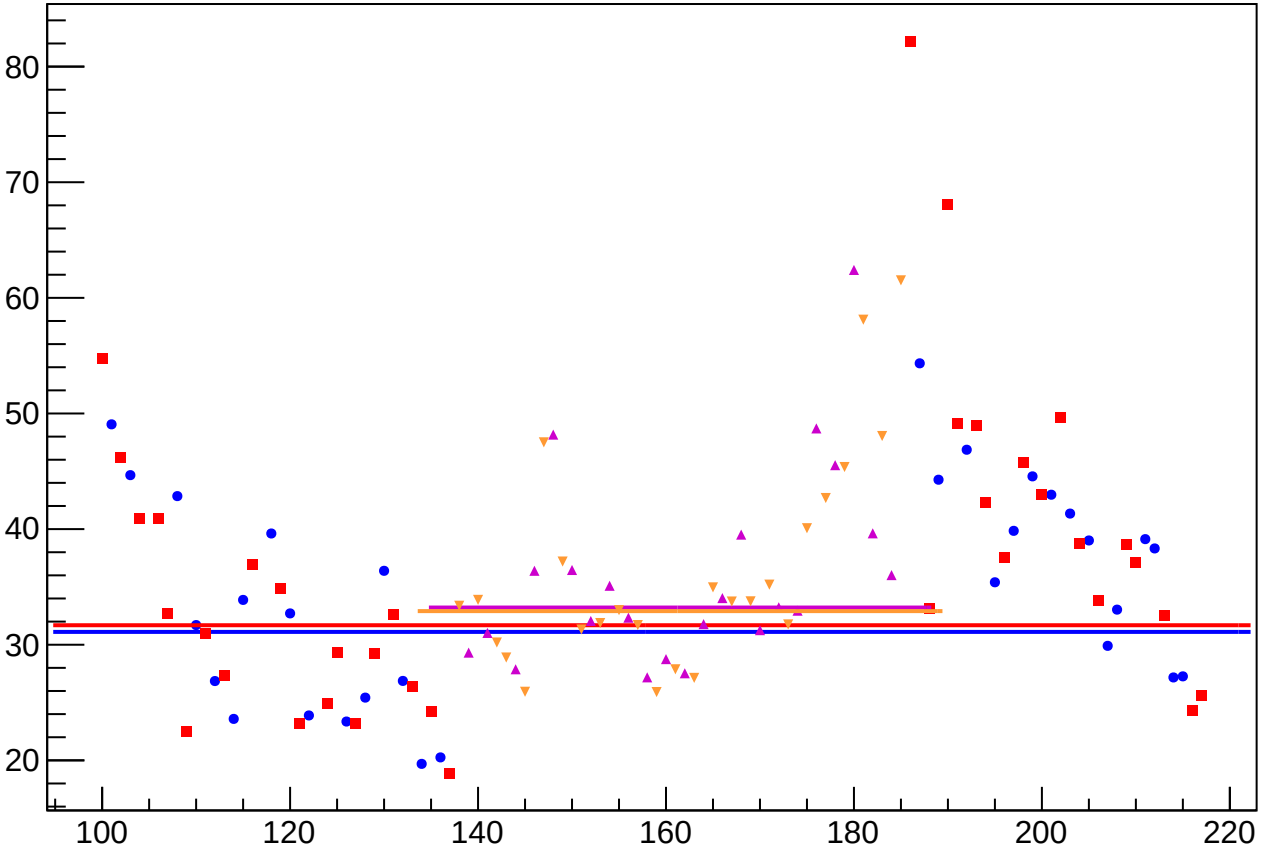
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.009+/-0.005 χ^2/NDF: 62.6/55

All: 0.015+/-0.004 χ^2/NDF: 205.2/114

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.110+/-0.005 χ^2/NDF: 2579351.2/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

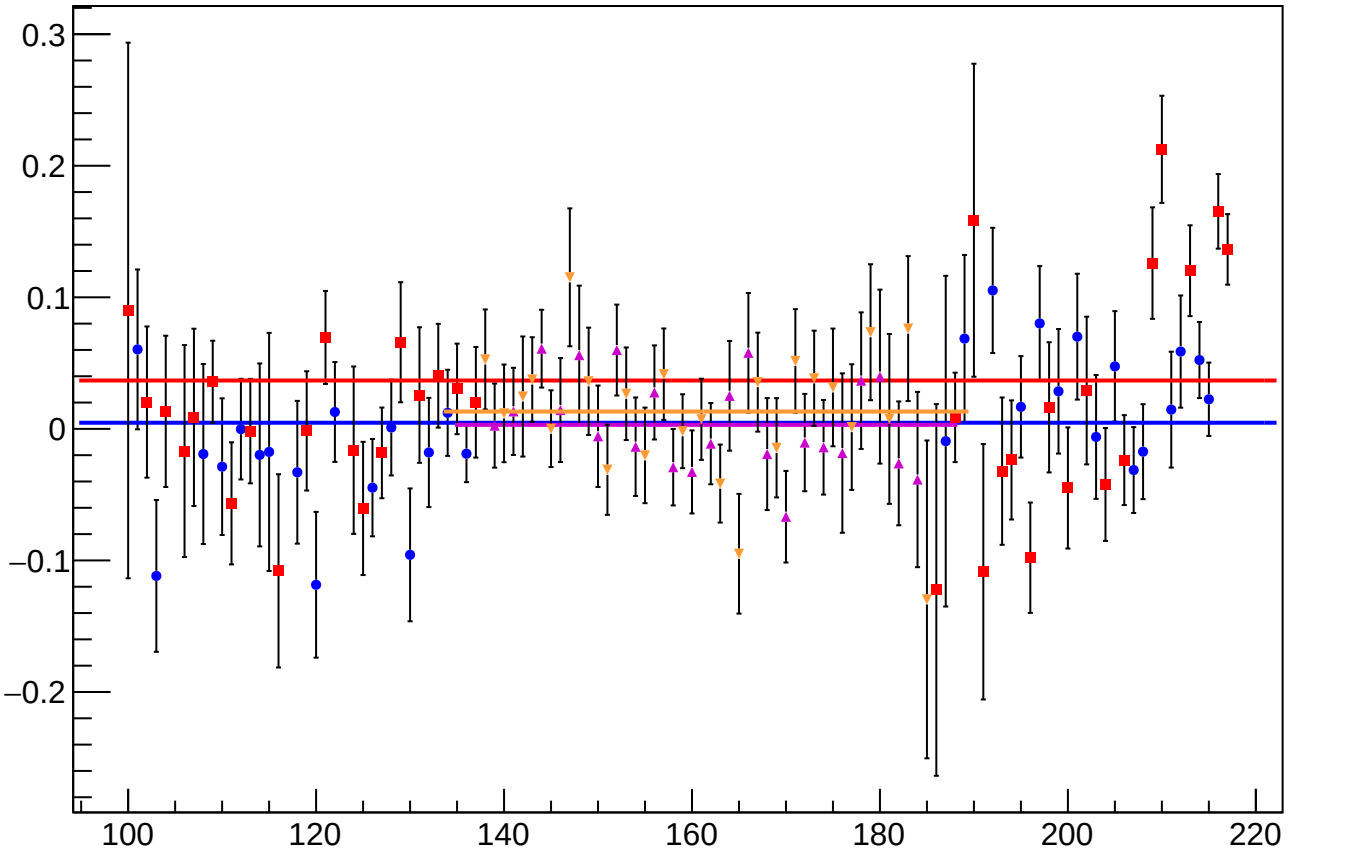
Right Out: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.978+/-0.004 χ^2/NDF: 4063938.0/55

All: 32.180+/-0.003 χ^2/NDF: 8094383.1/114

\- sign 32.387+/-0.004 χ^2/NDF: 4024631.8/58



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

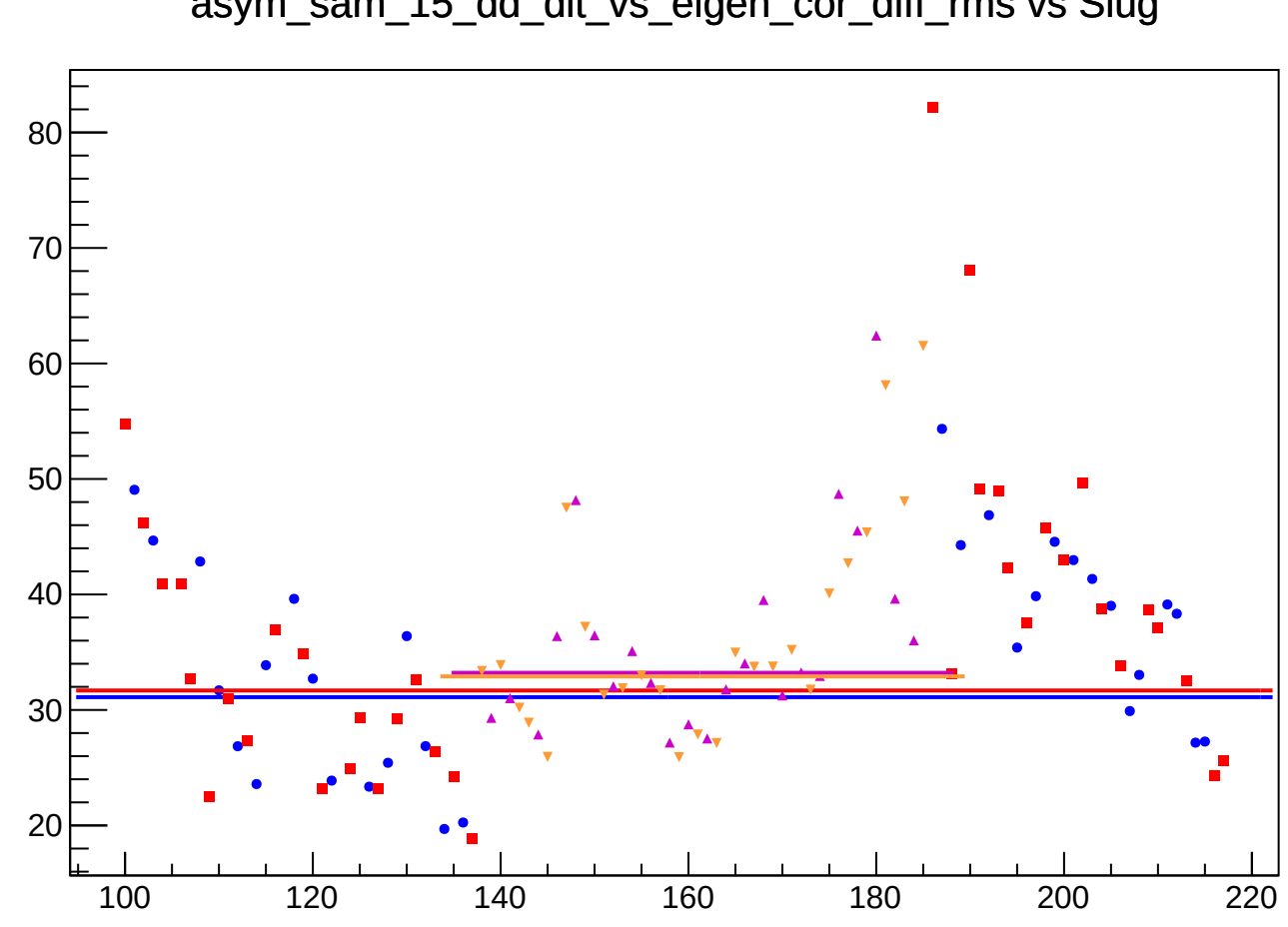
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.009+/-0.005 χ^2/NDF: 62.6/55

All: 0.015+/-0.004 χ^2/NDF: 205.2/114

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 31.110+/-0.005 χ^2/NDF: 2579351.2/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

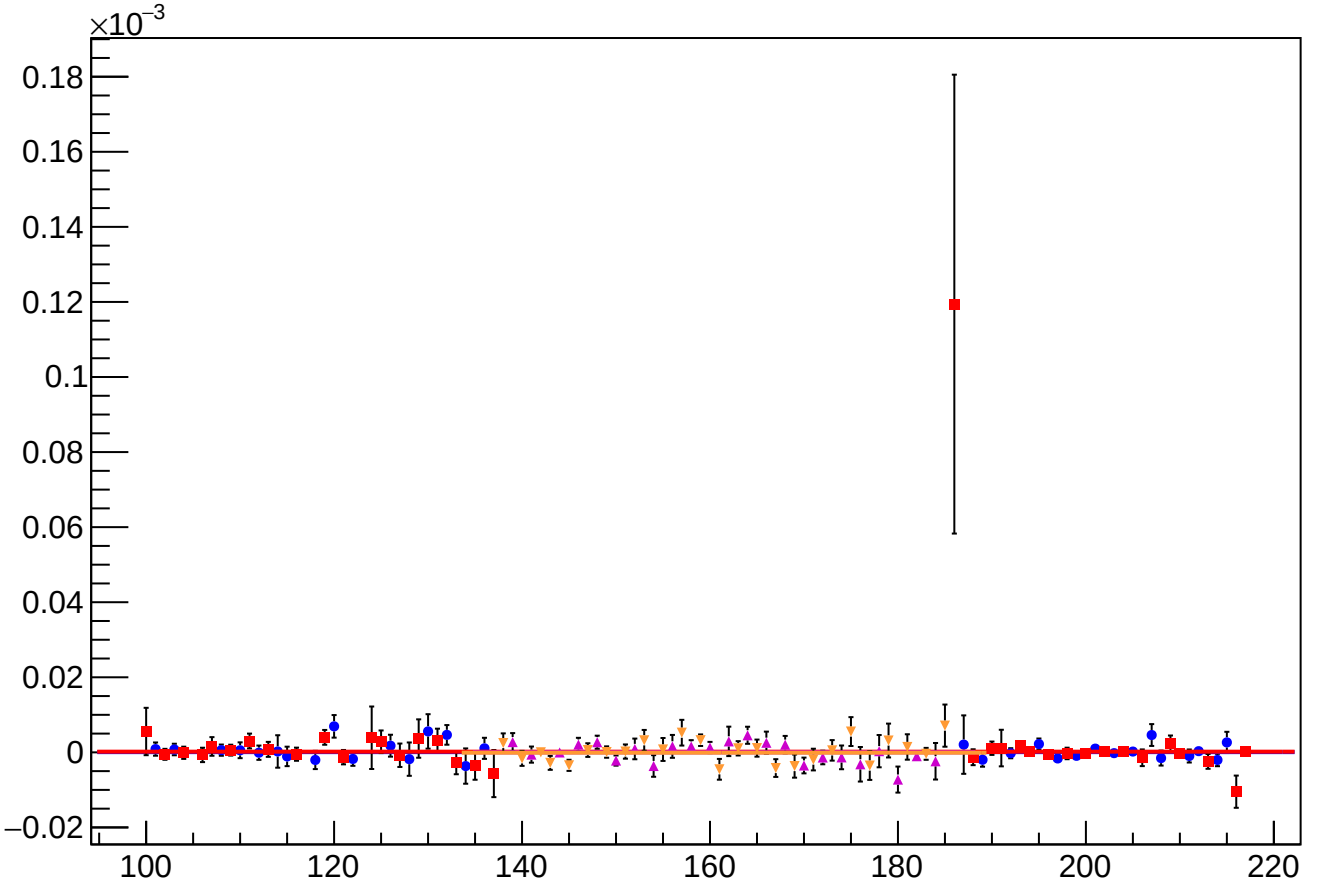
Right Out: 31.686+/-0.005 χ^2/NDF: 2763108.1/35

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.978+/-0.004 χ^2/NDF: 4063938.0/55

All: 32.180+/-0.003 χ^2/NDF: 8094383.1/114

- sign 32.387+/-0.004 χ^2/NDF: 4024631.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

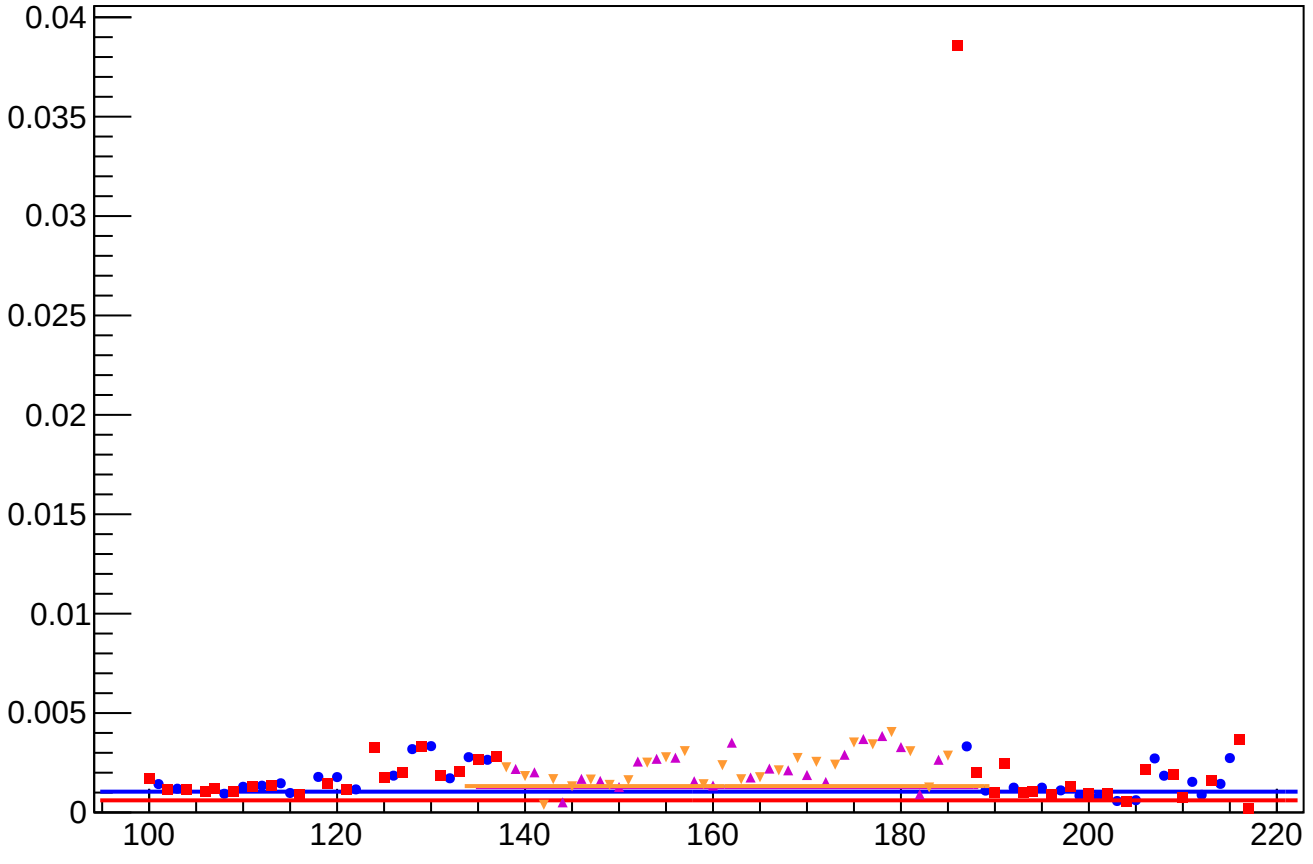
Right Out: 0.000+/-0.000 χ^2/NDF: 31.1/35

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.4/55

All: 0.000+/-0.000 χ^2/NDF: 116.9/114

- sign 0.000+/-0.000 χ^2/NDF: 58.2/58



Right In: 0.001+/-0.000 χ^2/NDF: 6823467.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

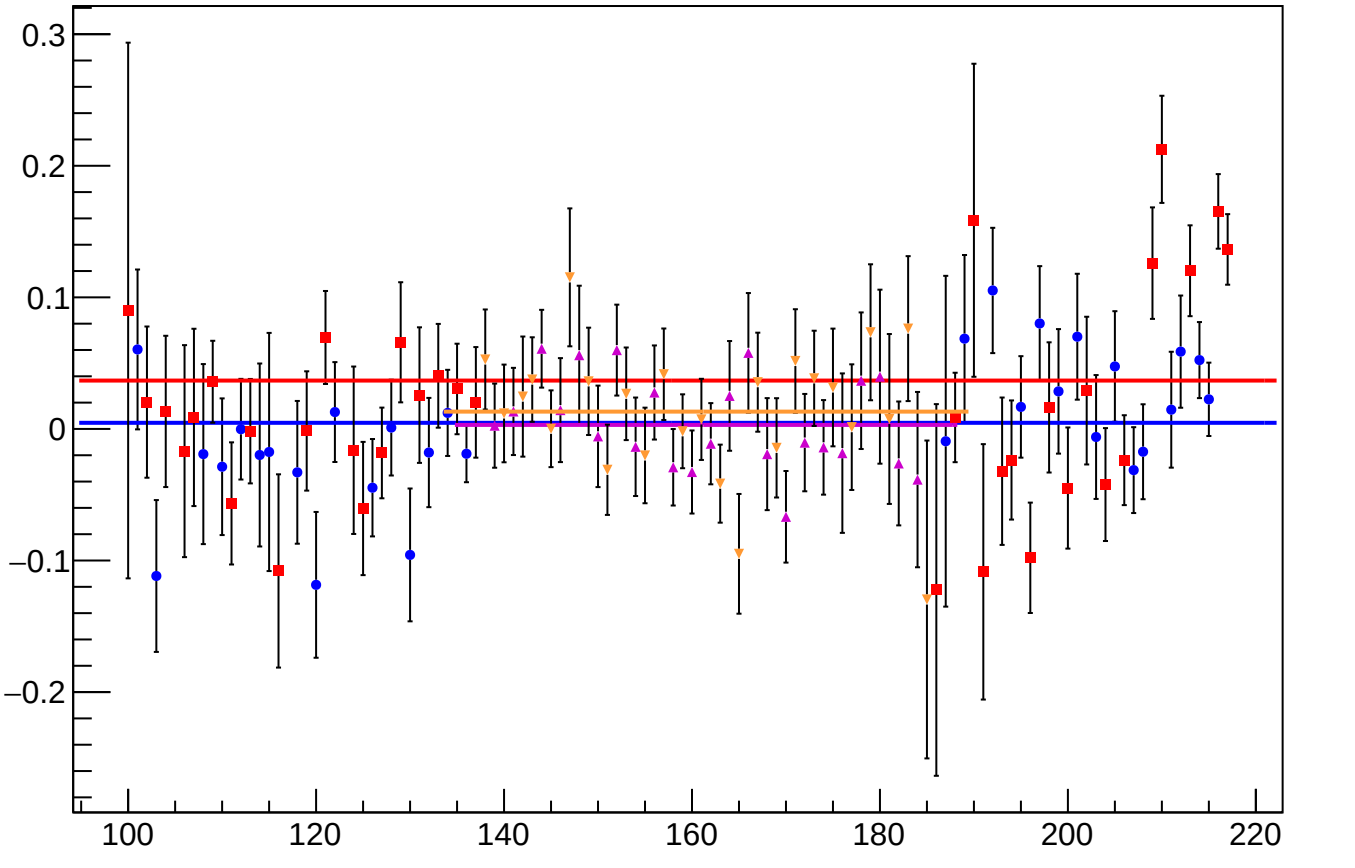
Right Out: 0.001+/-0.000 χ^2/NDF: 17256639.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18731605.8/55

All: 0.001+/-0.000 χ^2/NDF: 55427084.9/114

- sign 0.001+/-0.000 χ^2/NDF: 32643325.3/58



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

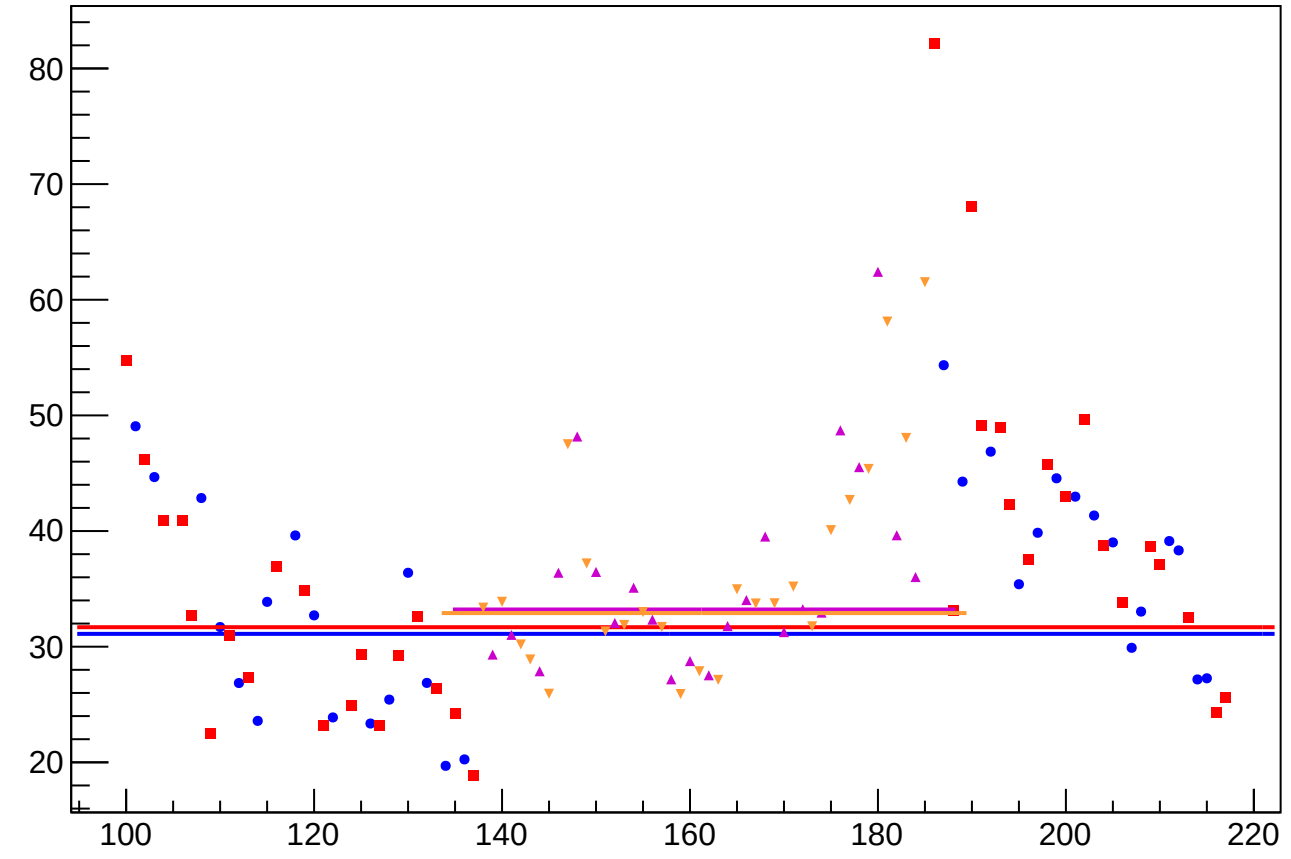
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.009+/-0.005 χ^2/NDF: 62.6/55

All: 0.015+/-0.004 χ^2/NDF: 205.2/114

- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 31.109+/-0.005 χ^2/NDF: 2579528.1/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

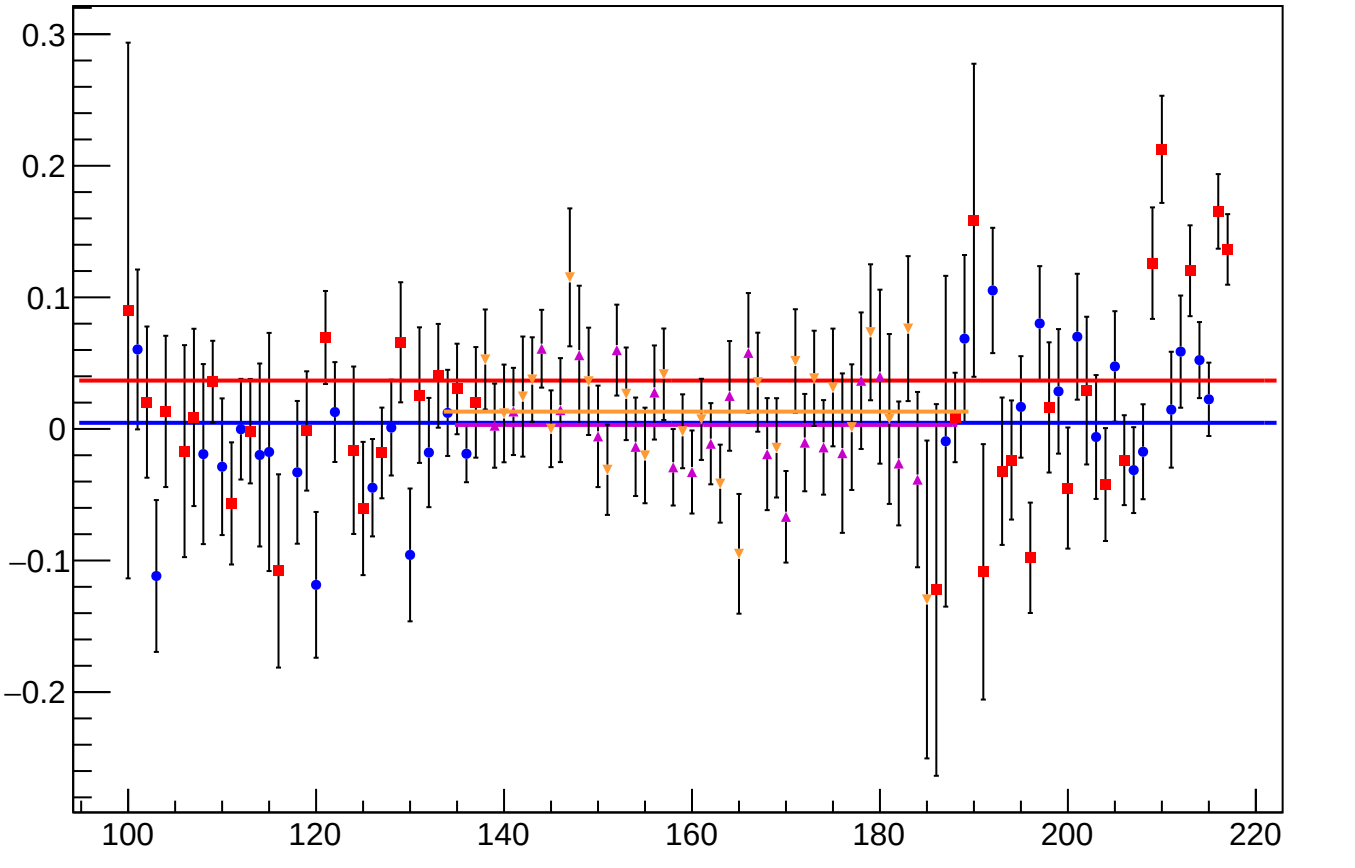
Right Out: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.977+/-0.004 χ^2/NDF: 4064222.6/55

All: 32.180+/-0.003 χ^2/NDF: 8095173.5/114

- sign 32.386+/-0.004 χ^2/NDF: 4025144.2/58



Right In: 0.005+/-0.007 χ^2/NDF: 36.6/30

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

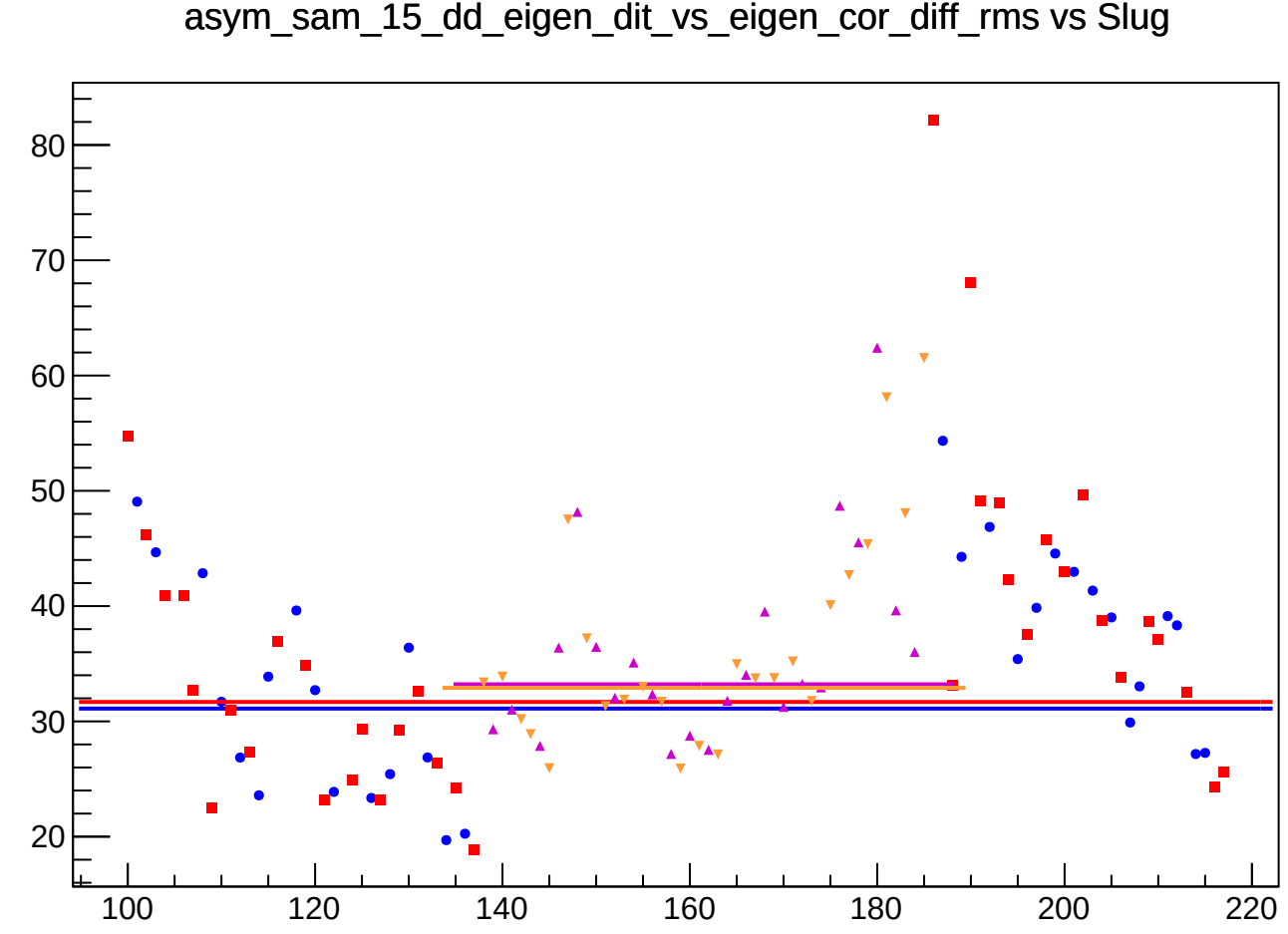
Right Out: 0.037+/-0.007 χ^2/NDF: 111.0/35

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

\+ sign 0.009+/-0.005 χ^2/NDF: 62.6/55

All: 0.015+/-0.004 χ^2/NDF: 205.2/114

\- sign 0.021+/-0.005 χ^2/NDF: 139.9/58



Right In: 31.109+/-0.005 χ^2/NDF: 2579528.1/30

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

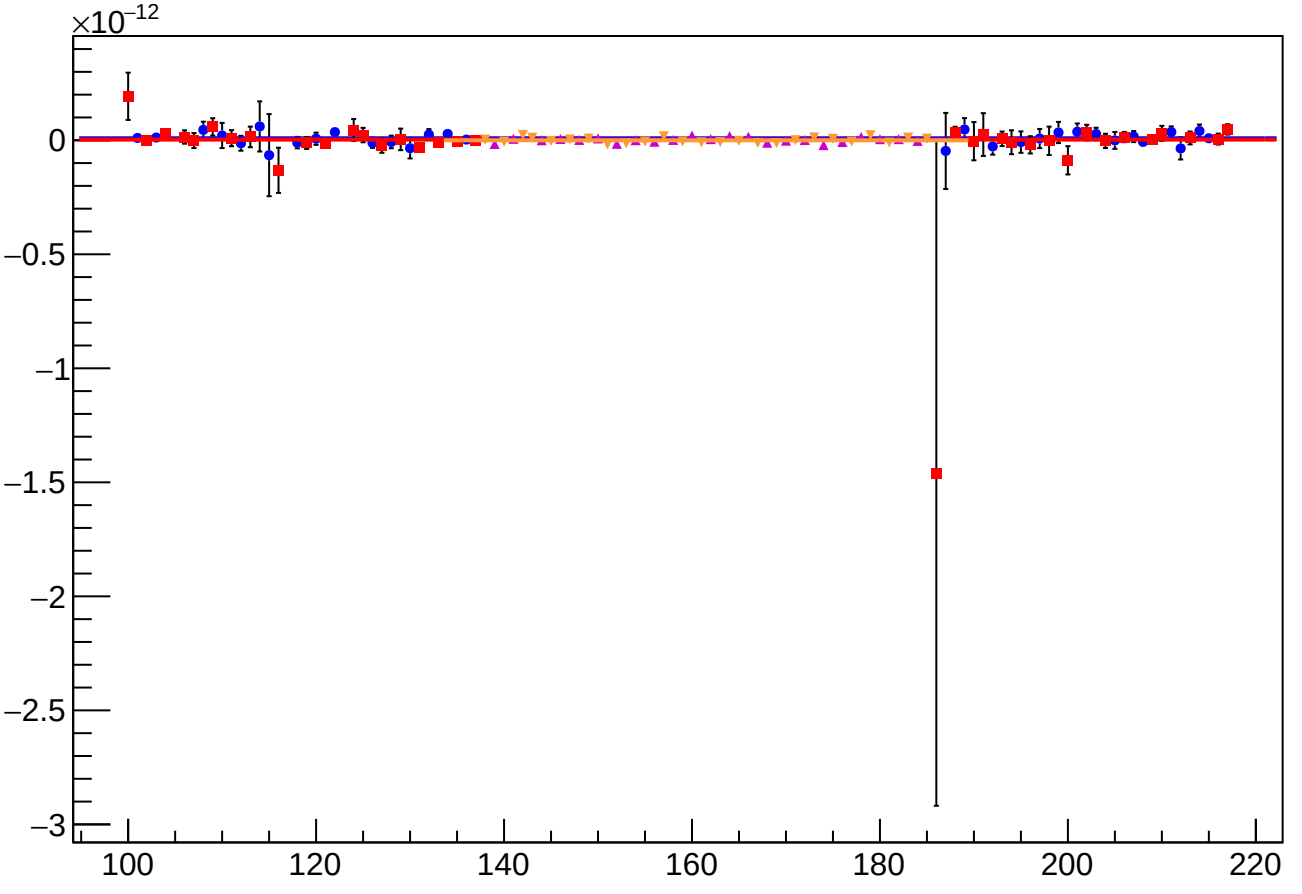
Right Out: 31.685+/-0.005 χ^2/NDF: 2763489.2/35

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.977+/-0.004 χ^2/NDF: 4064222.6/55

All: 32.180+/-0.003 χ^2/NDF: 8095173.5/114

- sign 32.386+/-0.004 χ^2/NDF: 4025144.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

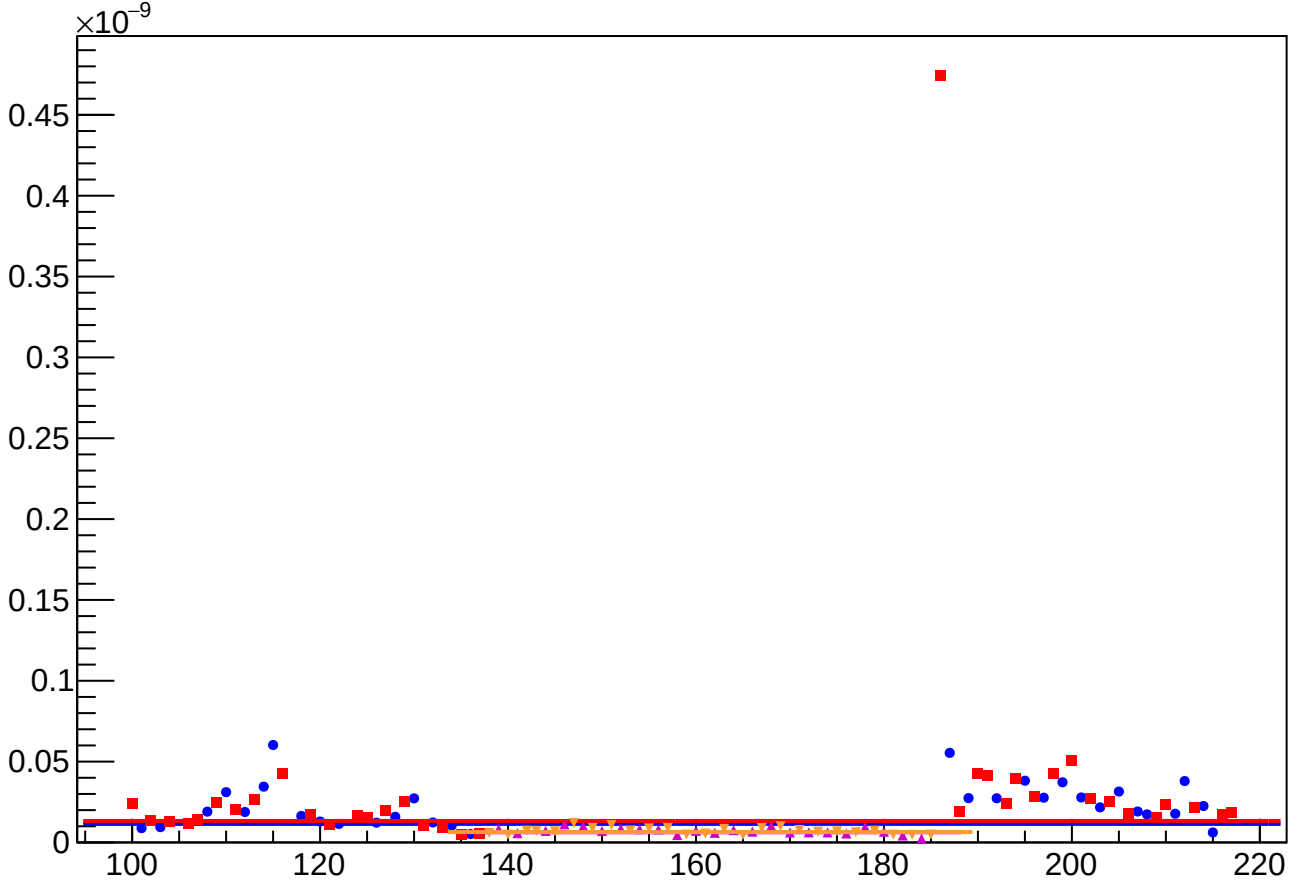
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/35

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/55

All: 0.000+/-0.000 χ^2/NDF: 103.1/114

- sign 0.000+/-0.000 χ^2/NDF: 52.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 8311642.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7787126.8/35

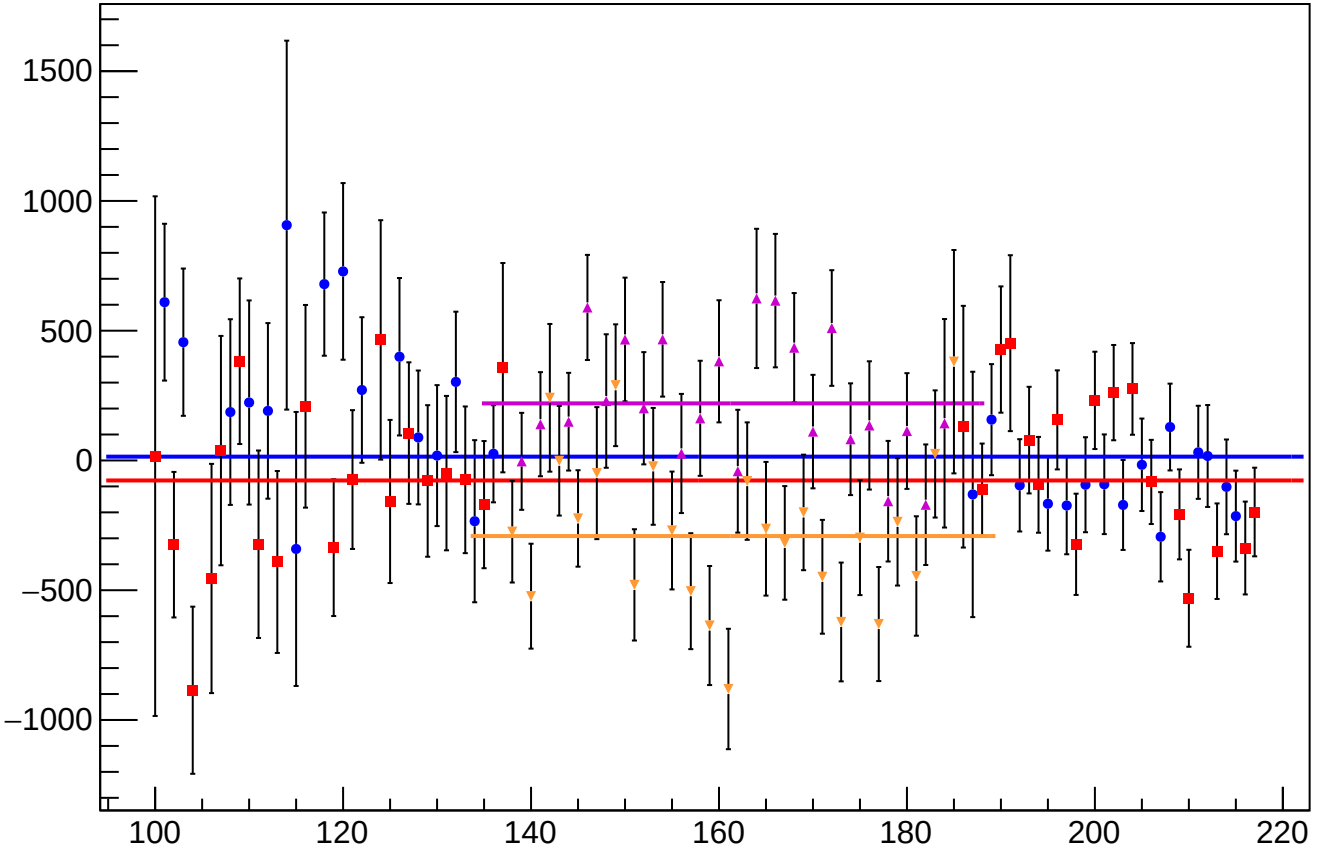
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13006858.2/55

All: 0.000+/-0.000 χ^2/NDF: 27618587.1/114

- sign 0.000+/-0.000 χ^2/NDF: 14602648.7/58

reg_asym_sam_26_dd_mean vs Slug



Right In: 14.649+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.071+/-39.690 χ^2/NDF: 48.0/35

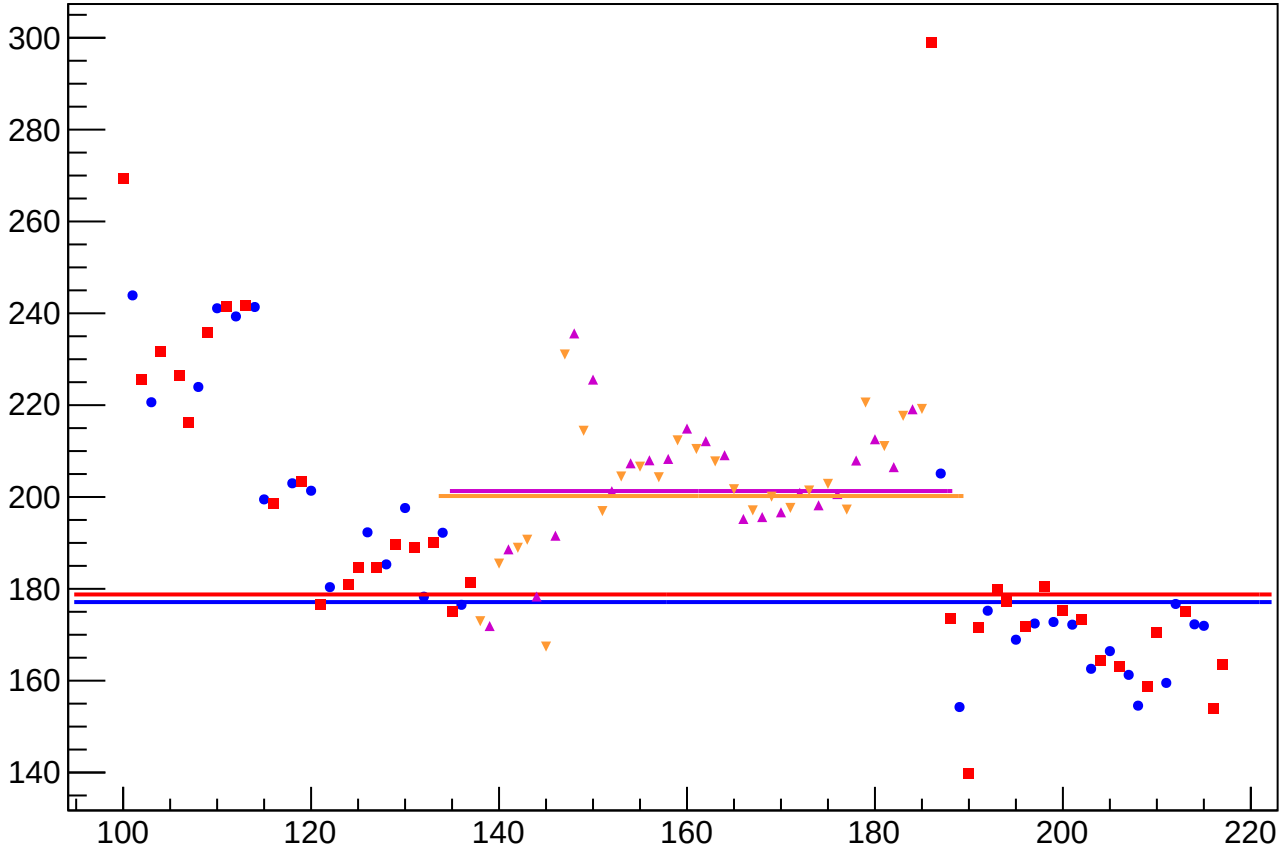
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -120.662+/-30.334 χ^2/NDF: 95.7/55

All: -37.344+/-21.460 χ^2/NDF: 205.7/114

- sign 46.134+/-30.363 χ^2/NDF: 94.9/58

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.116+/-0.029 χ^2/NDF: 505570.9/30

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.774+/-0.028 χ^2/NDF: 697355.3/35

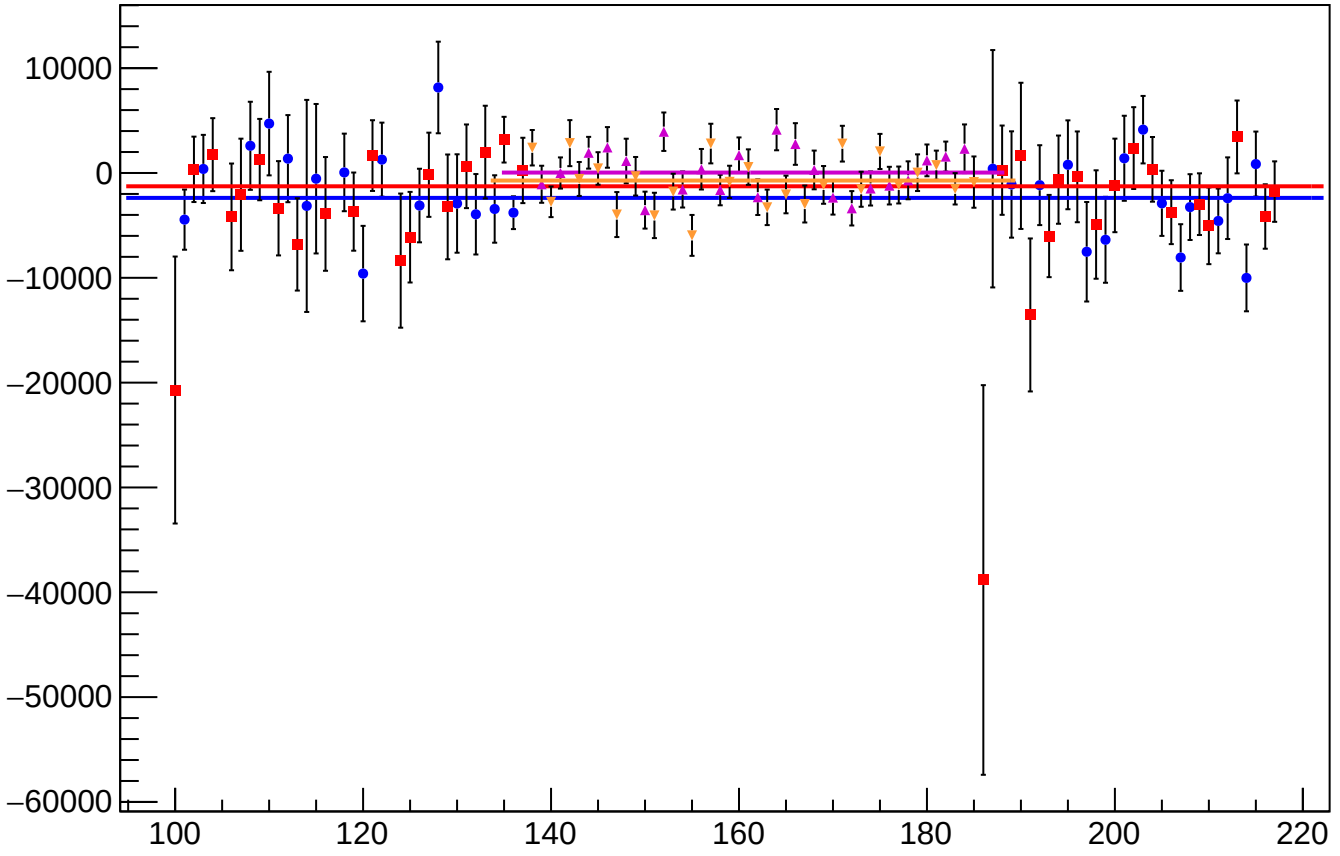
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 187.329+/-0.021 χ^2/NDF: 995908.8/55

All: 187.722+/-0.015 χ^2/NDF: 2142730.3/114

- sign 188.116+/-0.021 χ^2/NDF: 1146149.6/58

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2376.402+/-636.958 χ^2/NDF: 35.1/30

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1269.972+/-649.475 χ^2/NDF: 30.4/35

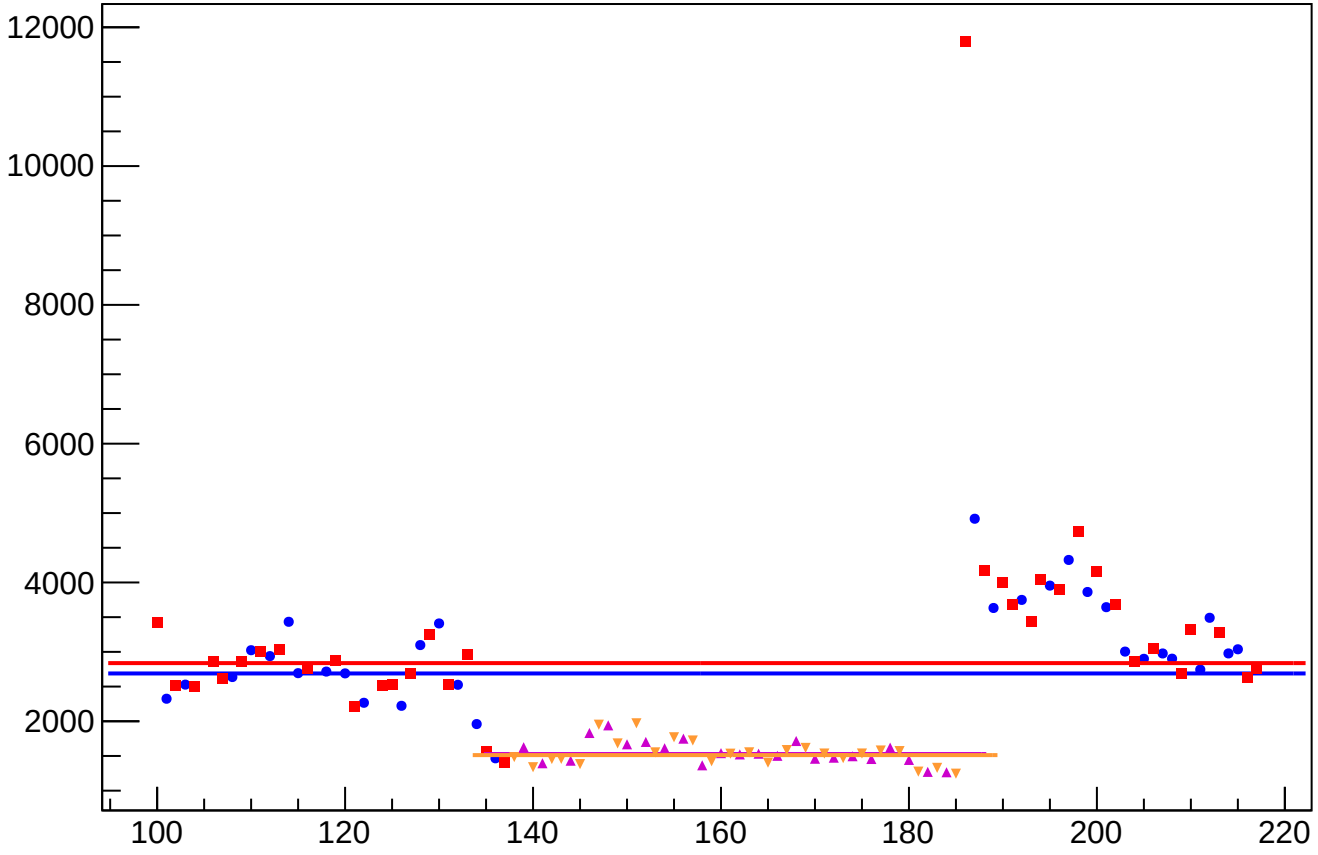
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1098.574+/-304.294 χ^2/NDF: 78.5/55

All: -696.561+/-218.645 χ^2/NDF: 150.1/114

- sign -267.476+/-314.373 χ^2/NDF: 68.0/58

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2688.871+/-0.450 χ^2/NDF: 2695703.8/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2838.050+/-0.459 χ^2/NDF: 2985275.8/35

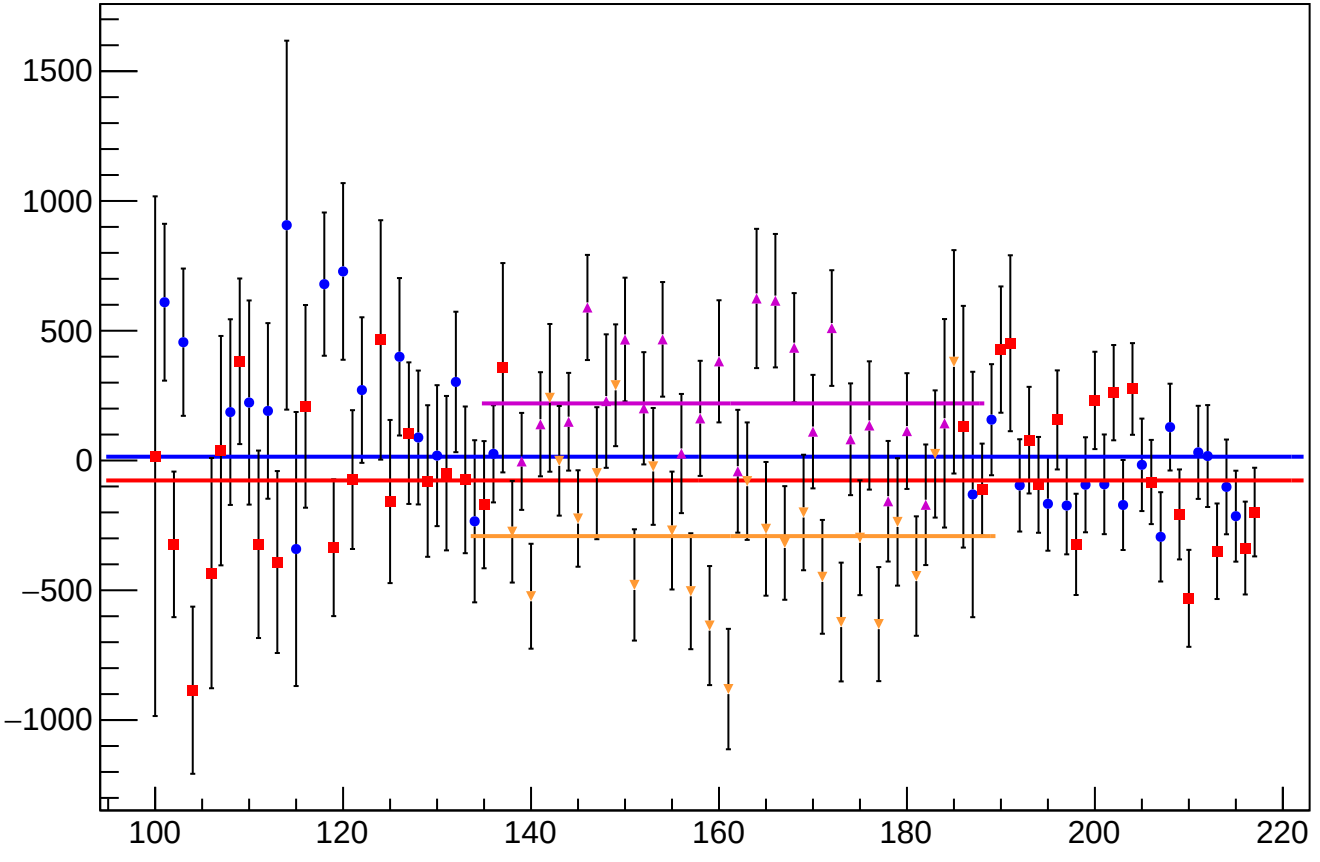
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1780.873+/-0.215 χ^2/NDF: 8404346.7/55

All: 1807.013+/-0.155 χ^2/NDF: 18025093.2/1

- sign 1834.913+/-0.222 χ^2/NDF: 9590235.8/58

cor_asym_sam_26_dd_mean vs Slug



Right In: 14.641+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.838+/-39.692 χ^2/NDF: 47.9/35

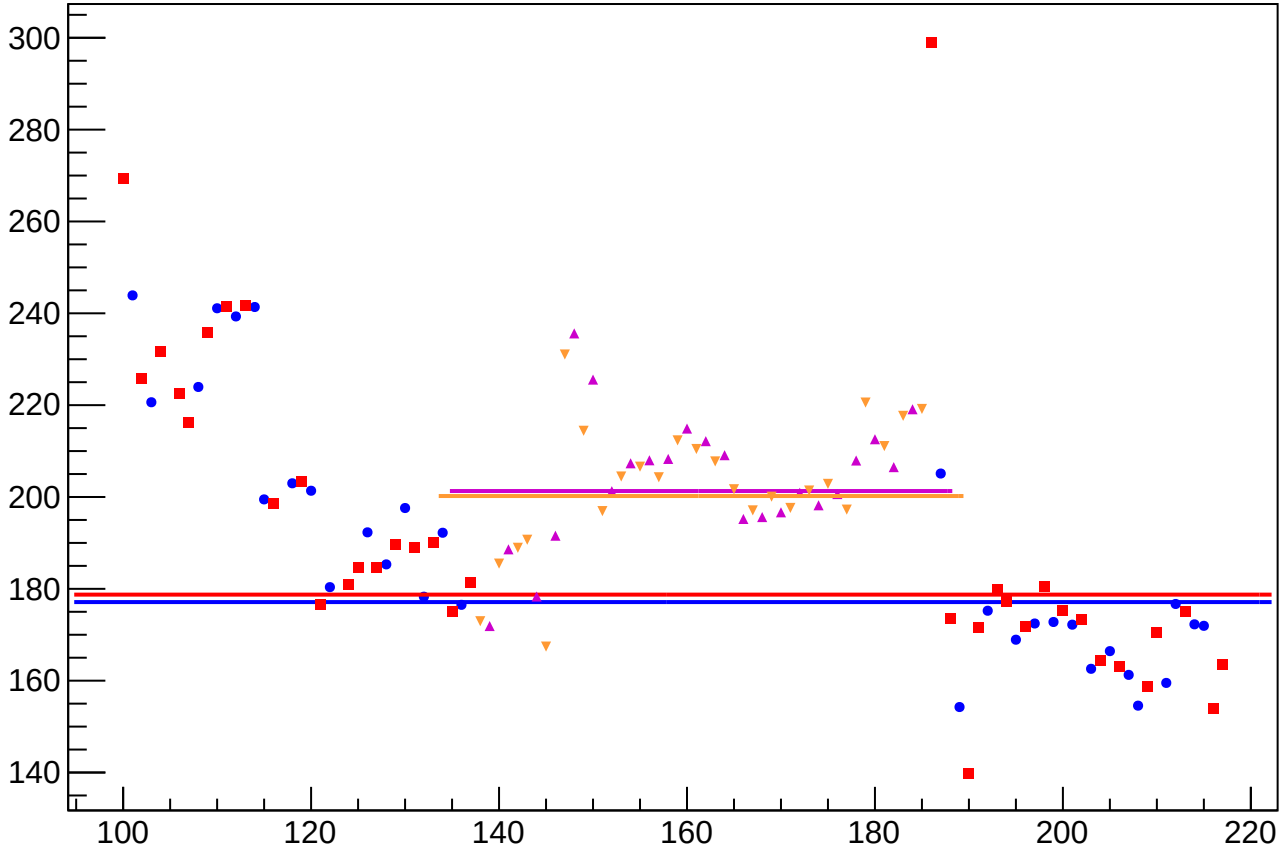
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -120.668+/-30.334 χ^2/NDF: 95.7/55

All: -37.276+/-21.460 χ^2/NDF: 205.6/114

- sign 46.280+/-30.364 χ^2/NDF: 94.8/58

cor_asym_sam_26_dd_rms vs Slug



Right In: 177.116+/-0.029 χ^2/NDF: 505571.5/30

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

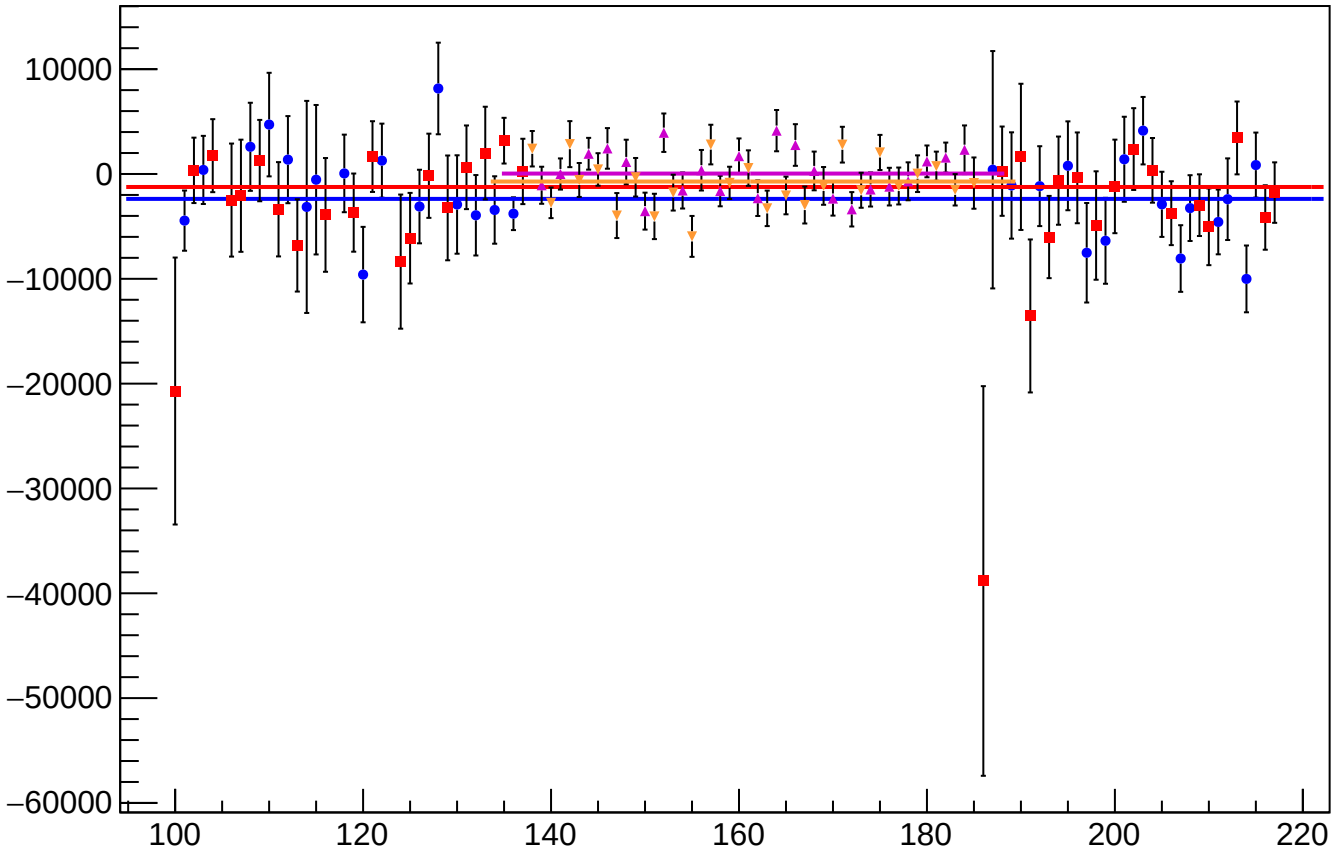
Right Out: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 187.329+/-0.021 χ^2/NDF: 995909.3/55

All: 187.712+/-0.015 χ^2/NDF: 2139767.6/114

\- sign 188.096+/-0.021 χ^2/NDF: 1143219.0/58



Right In: -2376.388+/-636.959 χ^2/NDF: 35.1/30

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1240.243+/-650.060 χ^2/NDF: 30.1/35

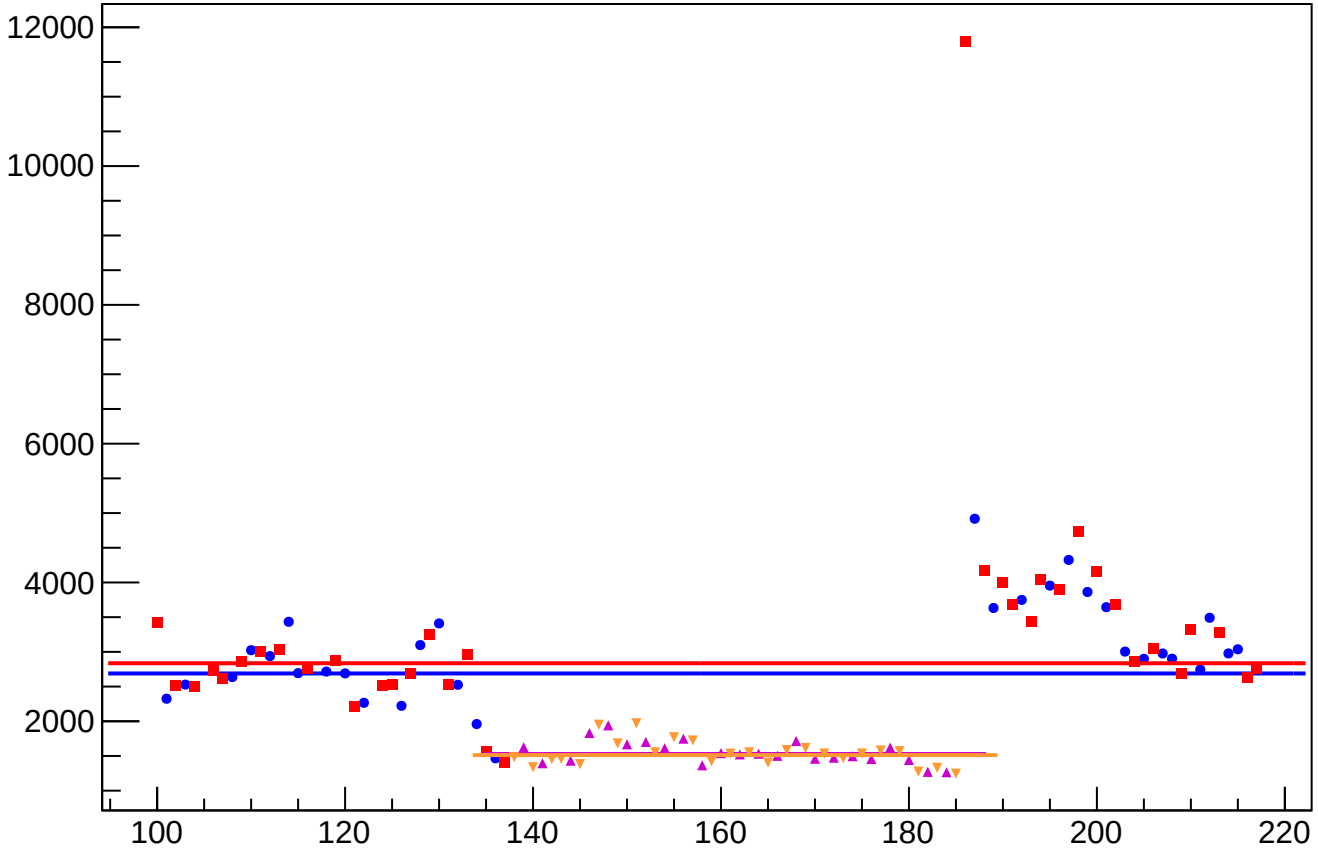
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1098.574+/-304.294 χ^2/NDF: 78.5/55

All: -693.081+/-218.667 χ^2/NDF: 149.7/114

- sign -260.098+/-314.439 χ^2/NDF: 67.5/58

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2688.875+/-0.450 χ^2/NDF: 2695696.2/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

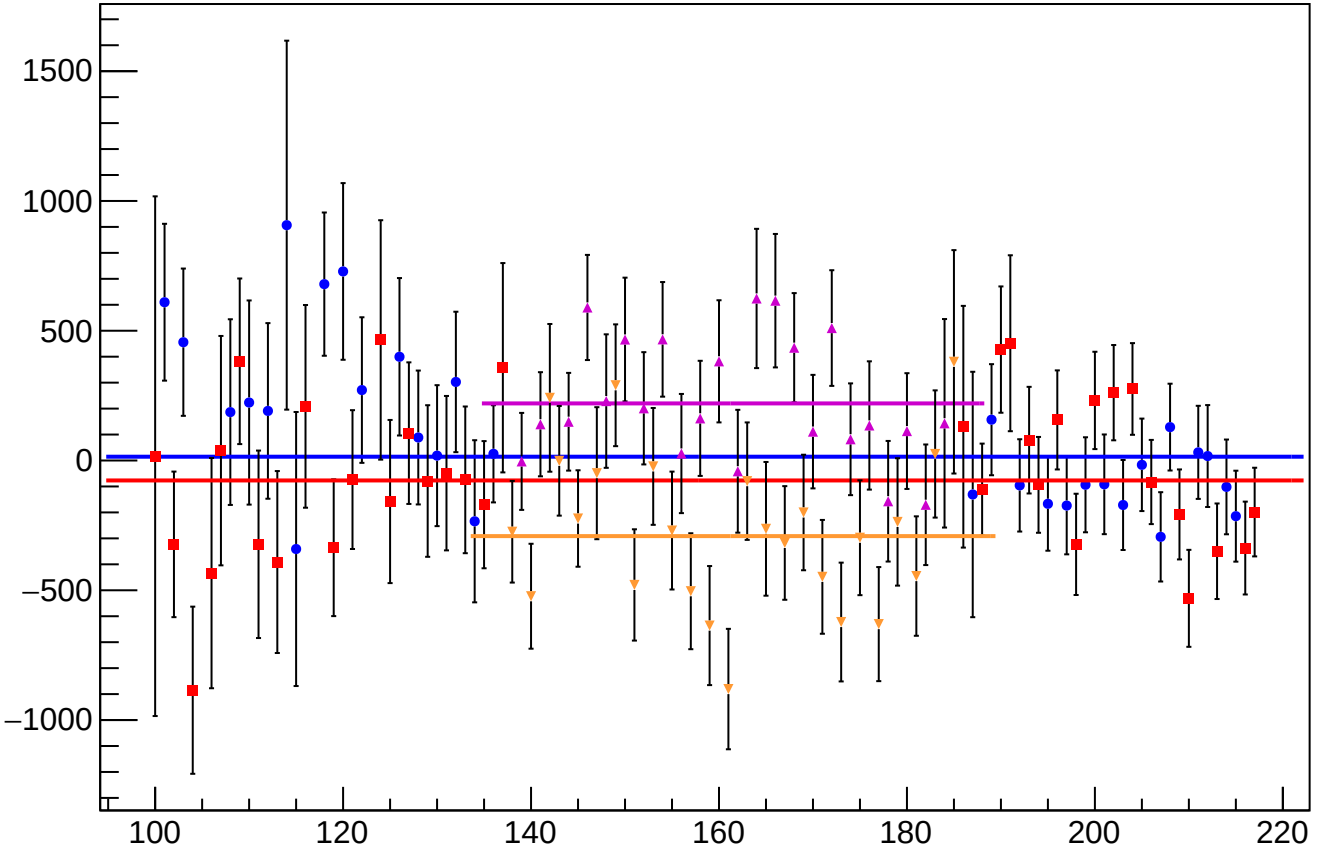
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1780.874+/-0.215 χ^2/NDF: 8404357.1/55

All: 1806.579+/-0.155 χ^2/NDF: 17997273.7/1

- sign 1834.026+/-0.222 χ^2/NDF: 9563405.7/58

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 14.641+/-40.617 χ^2/NDF: 34.2/30

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -76.838+/-39.692 χ^2/NDF: 47.9/35

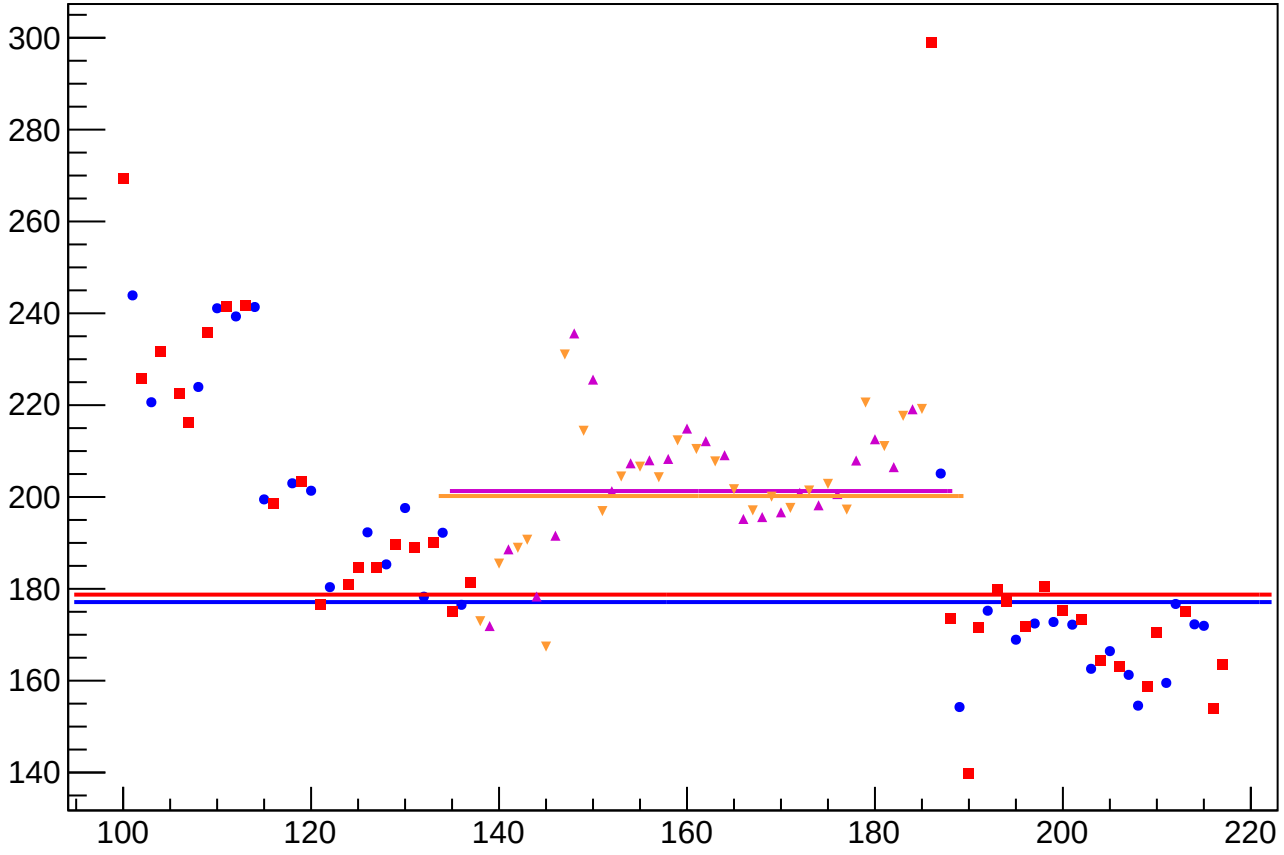
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -120.668+/-30.334 χ^2/NDF: 95.7/55

All: -37.276+/-21.460 χ^2/NDF: 205.6/114

- sign 46.280+/-30.364 χ^2/NDF: 94.8/58

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 177.116+/-0.029 χ^2/NDF: 505571.5/30

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

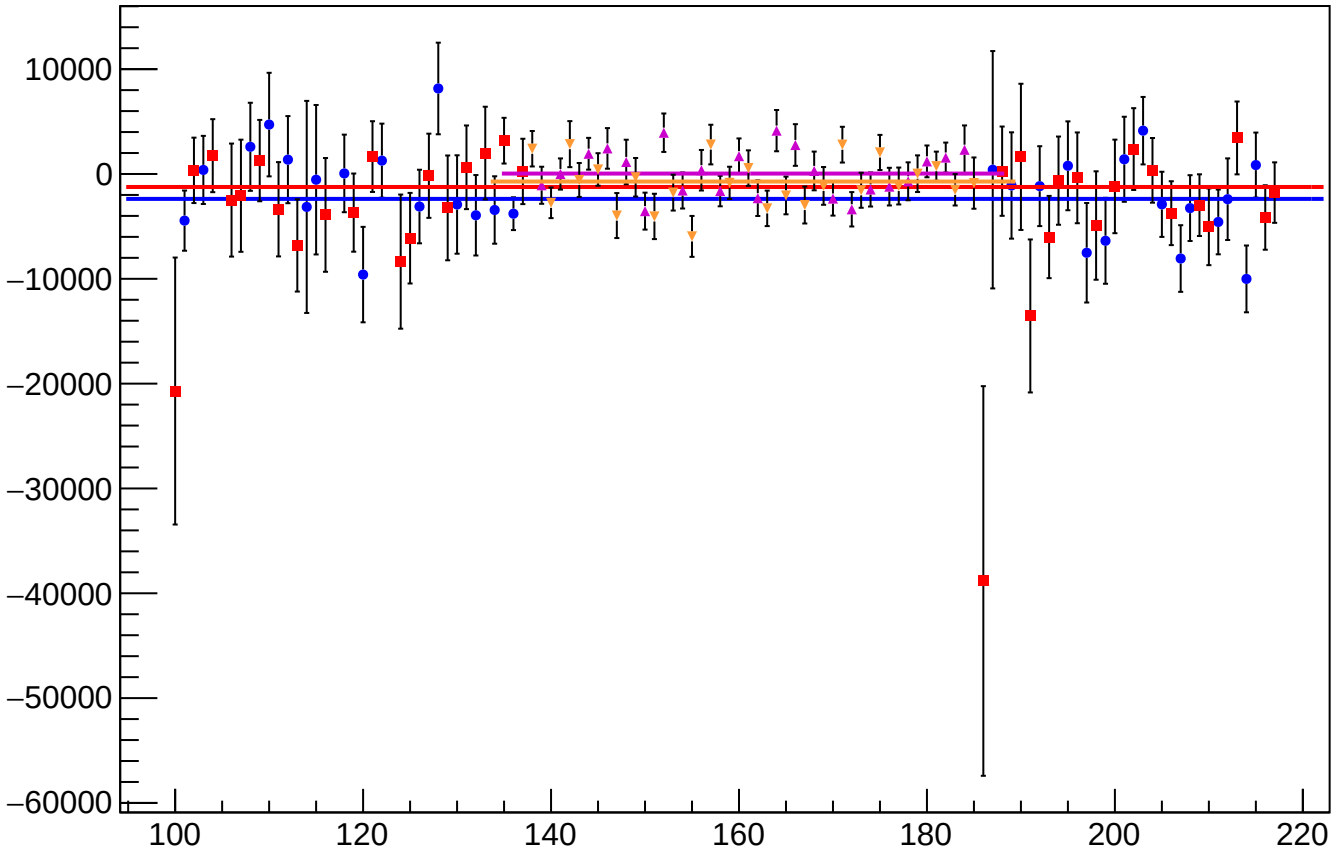
Right Out: 178.740+/-0.028 χ^2/NDF: 693628.8/35

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 187.329+/-0.021 χ^2/NDF: 995909.3/55

All: 187.712+/-0.015 χ^2/NDF: 2139767.6/114

- sign 188.096+/-0.021 χ^2/NDF: 1143219.0/58



Right In: -2376.388+/-636.959 χ^2/NDF: 35.1/30

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1240.243+/-650.060 χ^2/NDF: 30.1/35

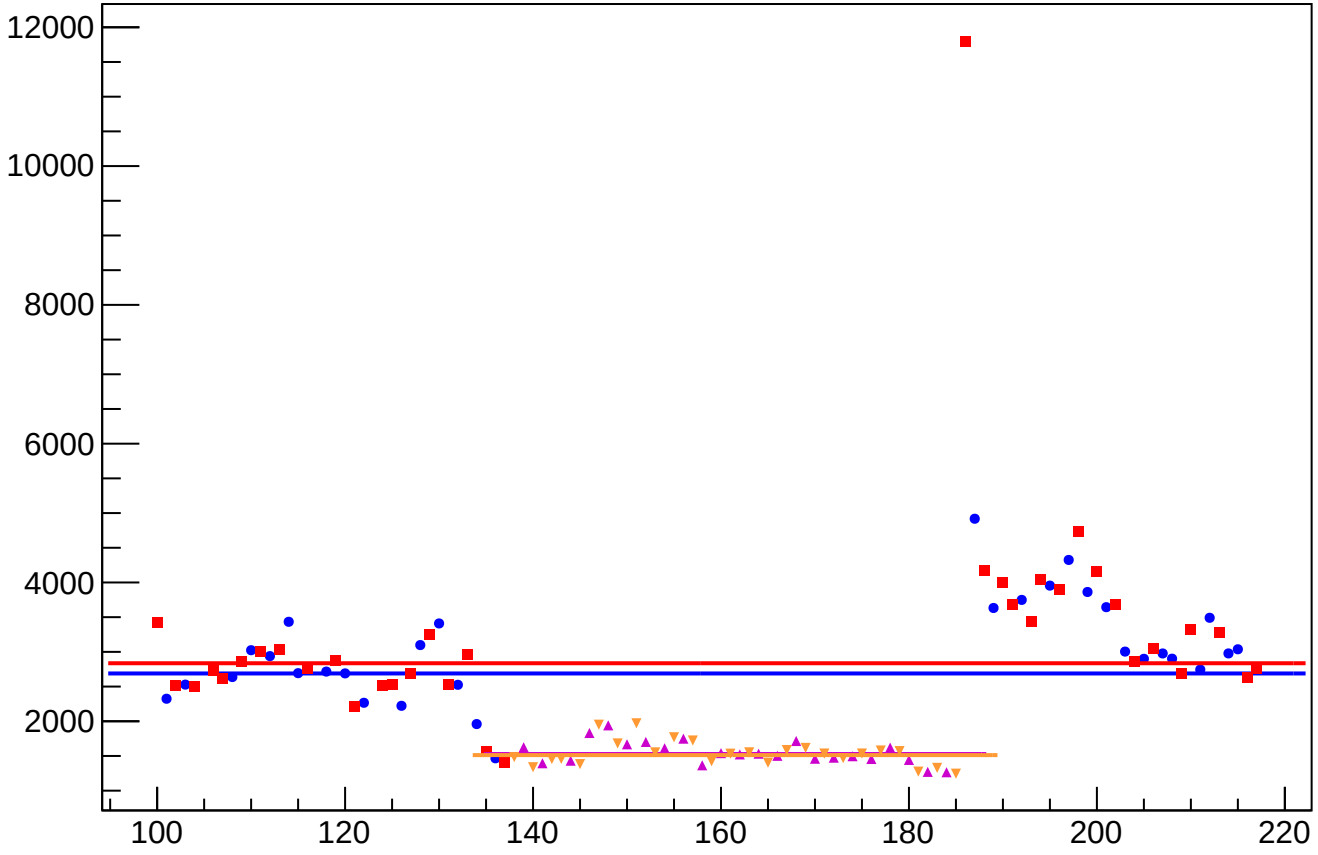
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1098.574+/-304.294 χ^2/NDF: 78.5/55

All: -693.081+/-218.667 χ^2/NDF: 149.7/114

- sign -260.098+/-314.439 χ^2/NDF: 67.5/58

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2688.875+/-0.450 χ^2/NDF: 2695696.2/30

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2836.070+/-0.460 χ^2/NDF: 2985844.3/35

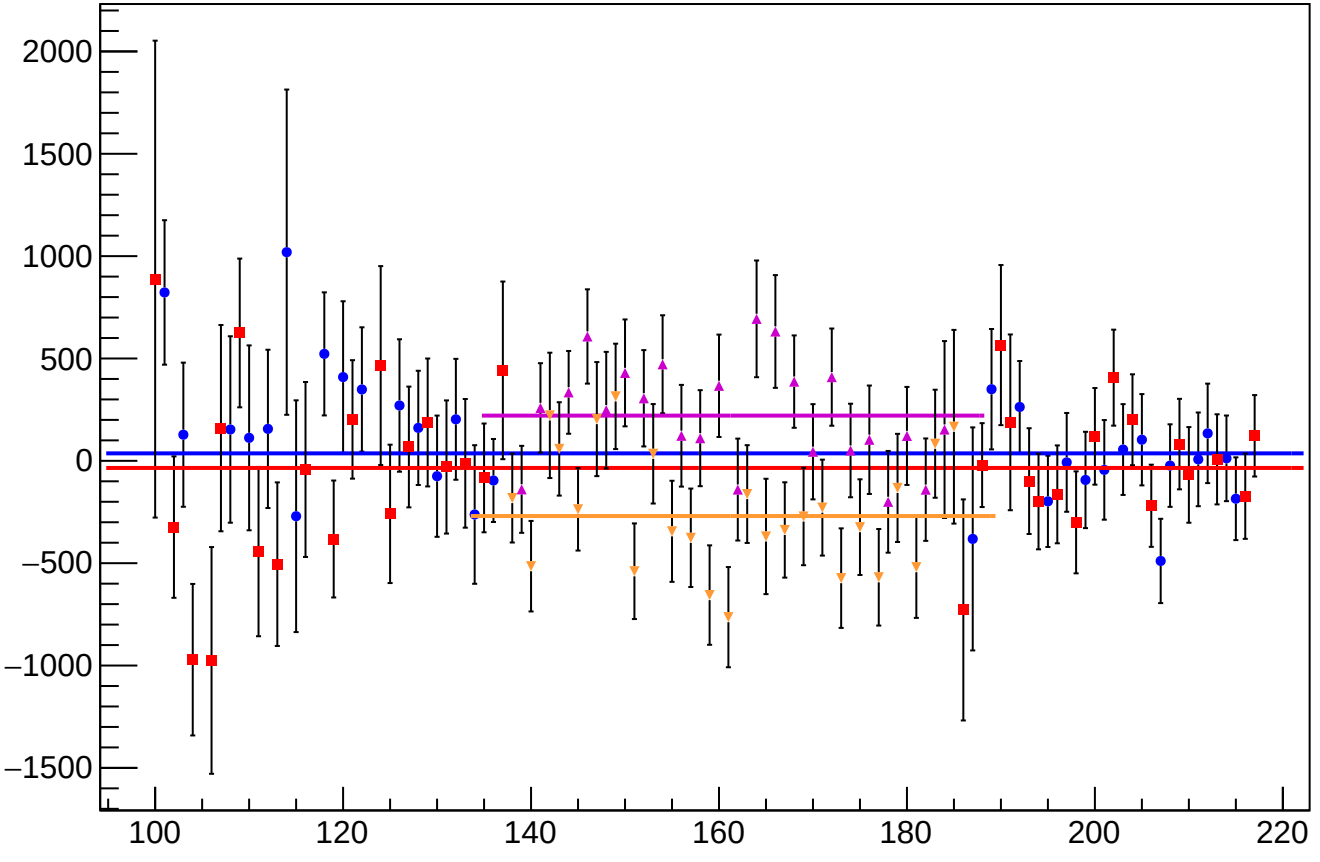
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1780.874+/-0.215 χ^2/NDF: 8404357.1/55

All: 1806.579+/-0.155 χ^2/NDF: 17997273.7/1

- sign 1834.026+/-0.222 χ^2/NDF: 9563405.7/58

dit_asym_sam_26_dd_mean vs Slug



Right In: 36.532+/-48.582 χ^2/NDF: 26.5/30

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -34.733+/-47.569 χ^2/NDF: 35.5/35

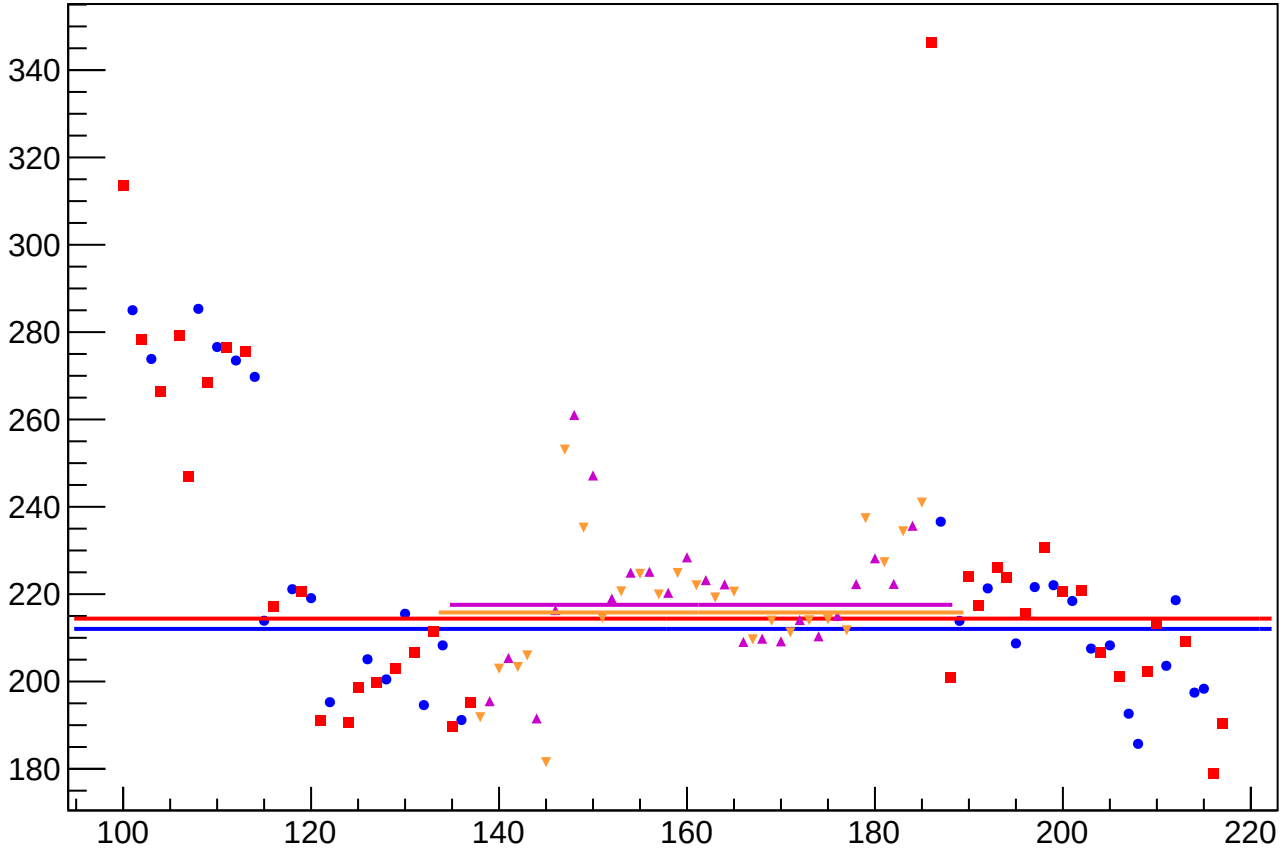
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

\+ sign -114.771+/-34.554 χ^2/NDF: 77.6/55

All: -15.850+/-24.510 χ^2/NDF: 166.5/114

\- sign 84.319+/-34.772 χ^2/NDF: 72.4/58

dit_asym_sam_26_dd_rms vs Slug



Right In: 212.041+/-0.034 χ^2/NDF: 435179.1/30

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

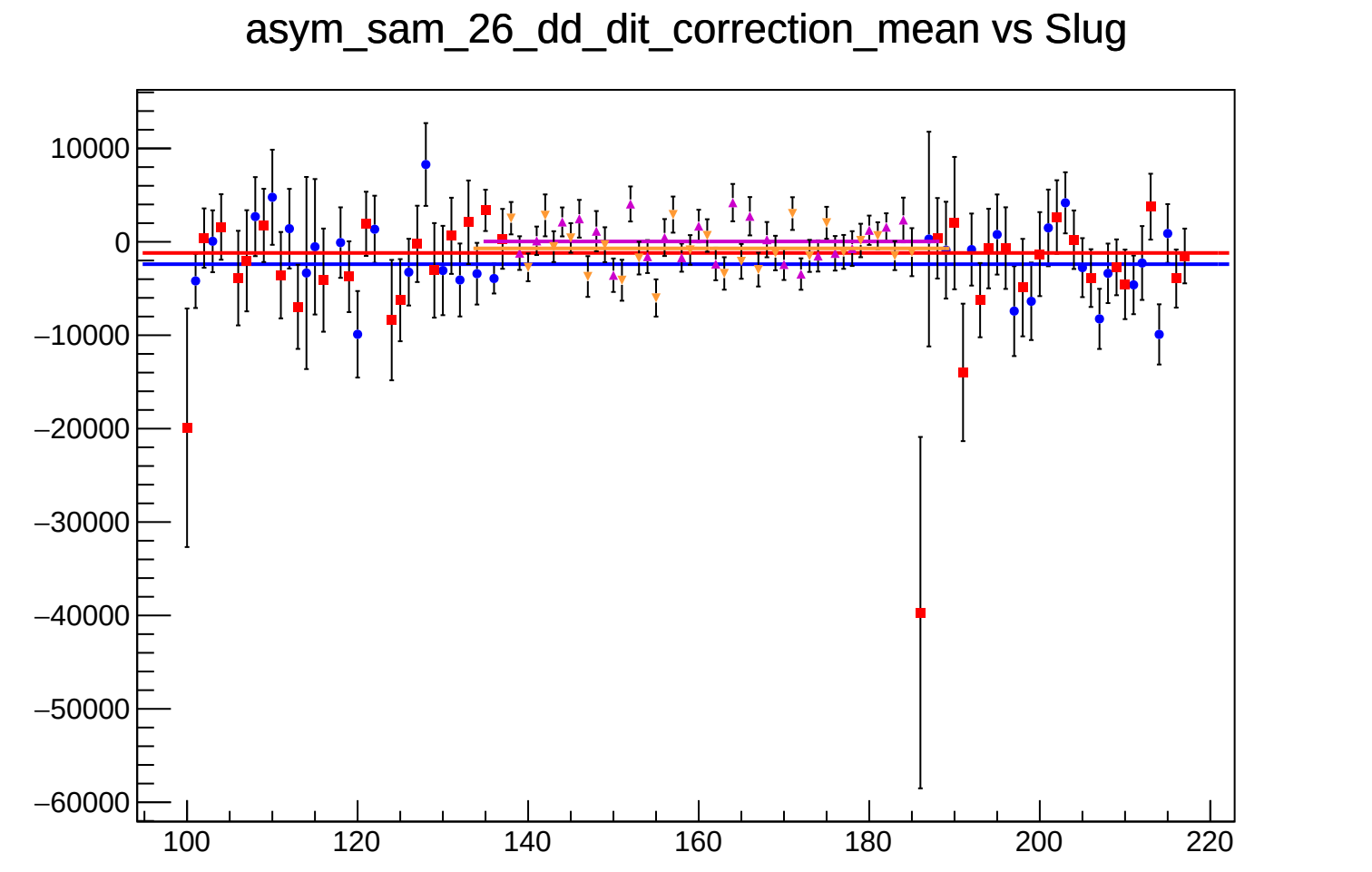
Right Out: 214.398+/-0.034 χ^2/NDF: 600881.3/35

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 213.902+/-0.024 χ^2/NDF: 629814.2/55

All: 214.879+/-0.017 χ^2/NDF: 1399081.0/114

- sign 215.868+/-0.025 χ^2/NDF: 766049.7/58



Right In: -2393.904+/-648.170 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1192.474+/-658.996 χ^2/NDF: 30.8/35

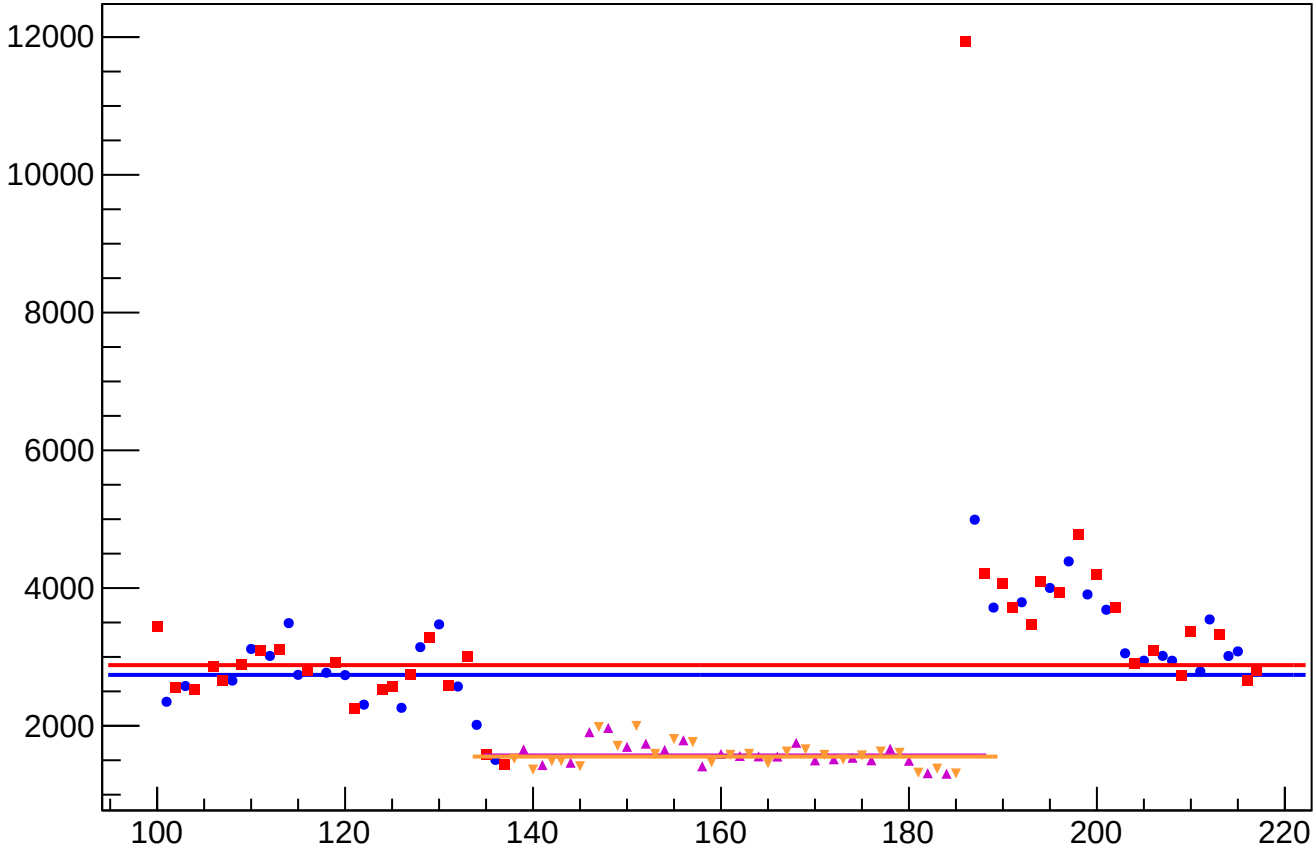
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1094.739+/-311.671 χ^2/NDF: 77.5/55

All: -688.054+/-223.906 χ^2/NDF: 148.8/114

- sign -254.294+/-321.879 χ^2/NDF: 67.8/58

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2739.270+/-0.458 χ^2/NDF: 2626916.5/30

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2881.264+/-0.466 χ^2/NDF: 2945512.5/35

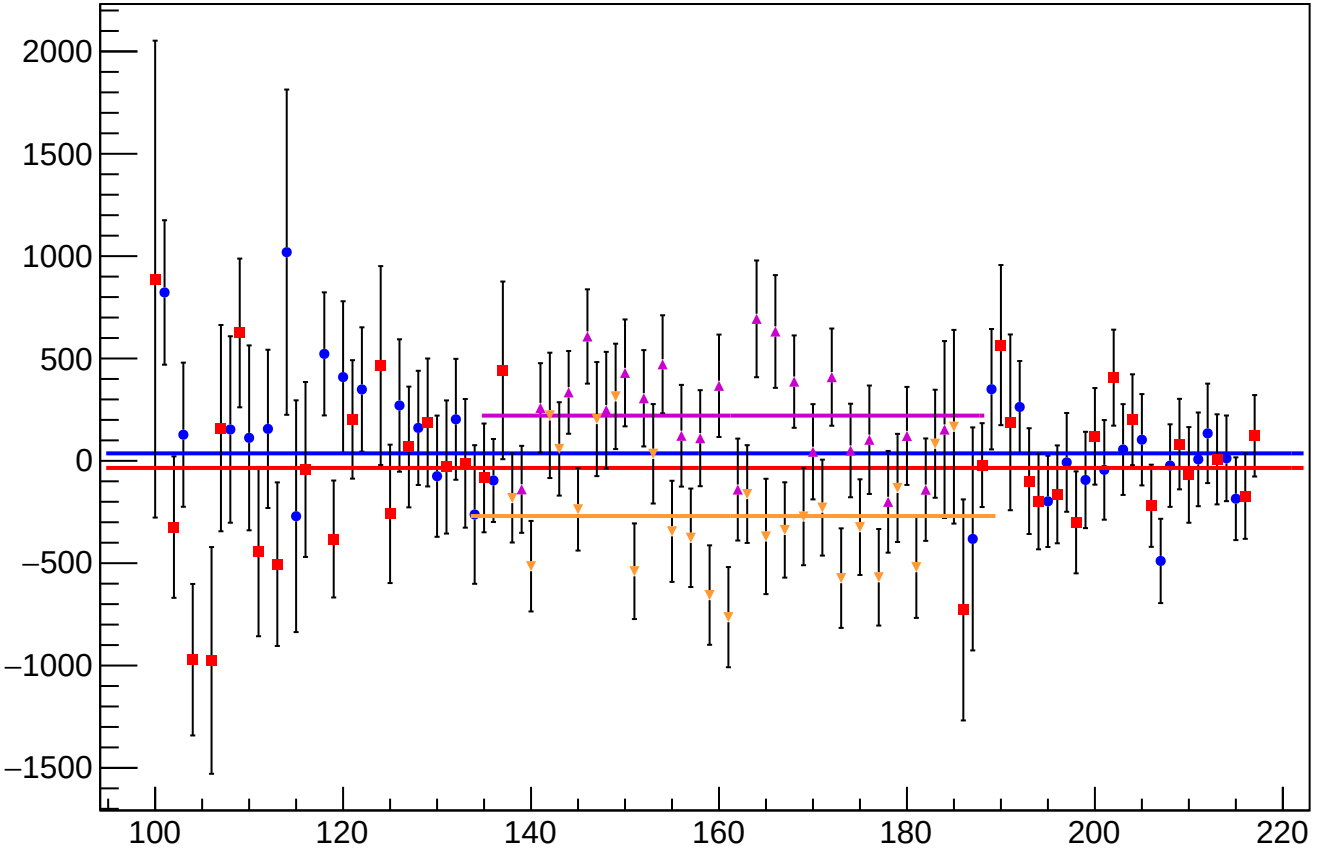
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1827.297+/-0.220 χ^2/NDF: 8186893.2/55

All: 1853.942+/-0.158 χ^2/NDF: 17555170.2/1

- sign 1882.361+/-0.228 χ^2/NDF: 9338069.4/58

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 36.536+/-48.582 χ^2/NDF: 26.5/30

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -34.731+/-47.569 χ^2/NDF: 35.5/35

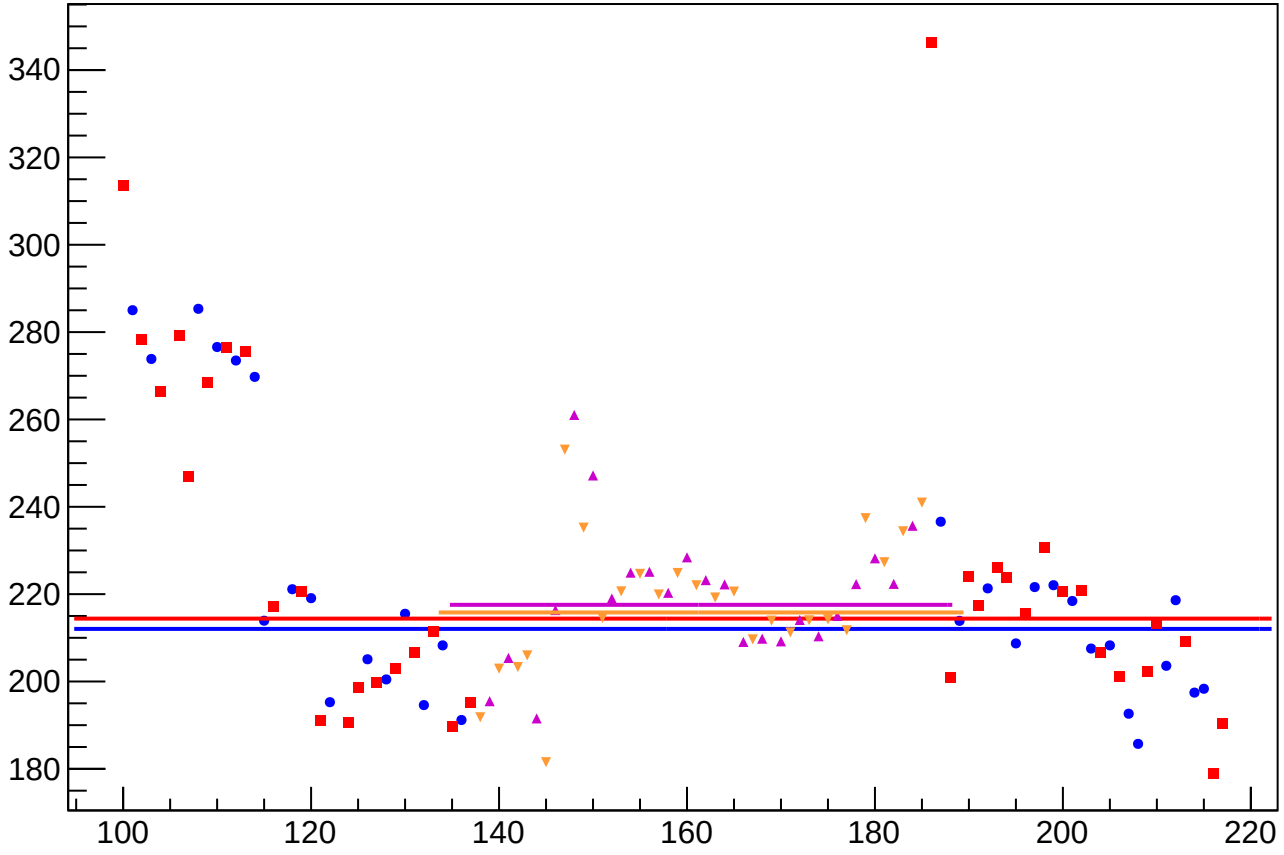
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -114.769+/-34.554 χ^2/NDF: 77.6/55

All: -15.849+/-24.510 χ^2/NDF: 166.5/114

- sign 84.320+/-34.772 χ^2/NDF: 72.4/58

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 212.041+/-0.034 χ^2/NDF: 435168.8/30

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

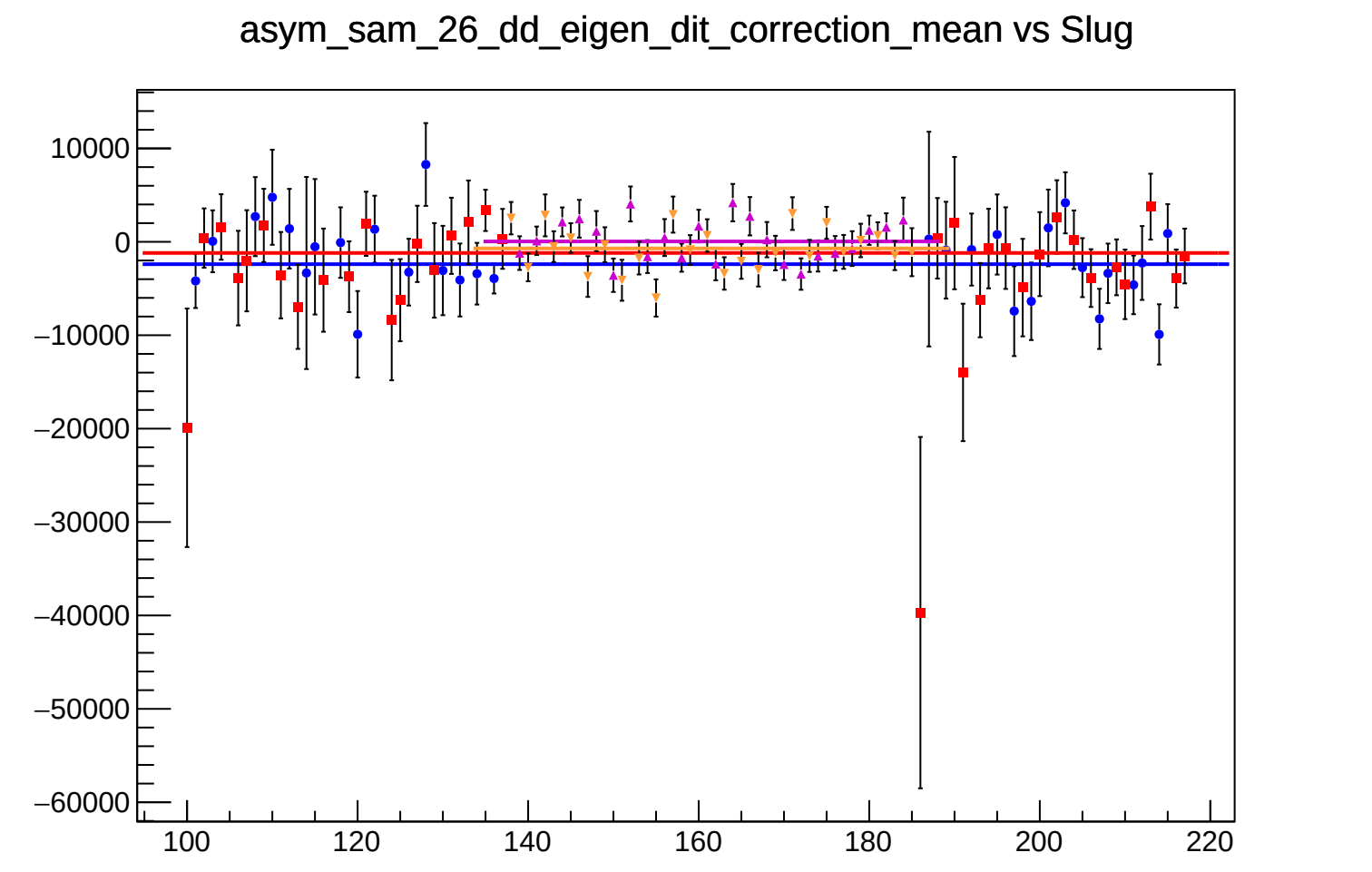
Right Out: 214.398+/-0.034 χ^2/NDF: 600859.5/35

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 213.902+/-0.024 χ^2/NDF: 629809.0/55

All: 214.878+/-0.017 χ^2/NDF: 1399056.8/114

- sign 215.868+/-0.025 χ^2/NDF: 766030.6/58



Right In: -2393.902+/-648.169 χ^2/NDF: 34.6/30

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1192.472+/-658.995 χ^2/NDF: 30.8/35

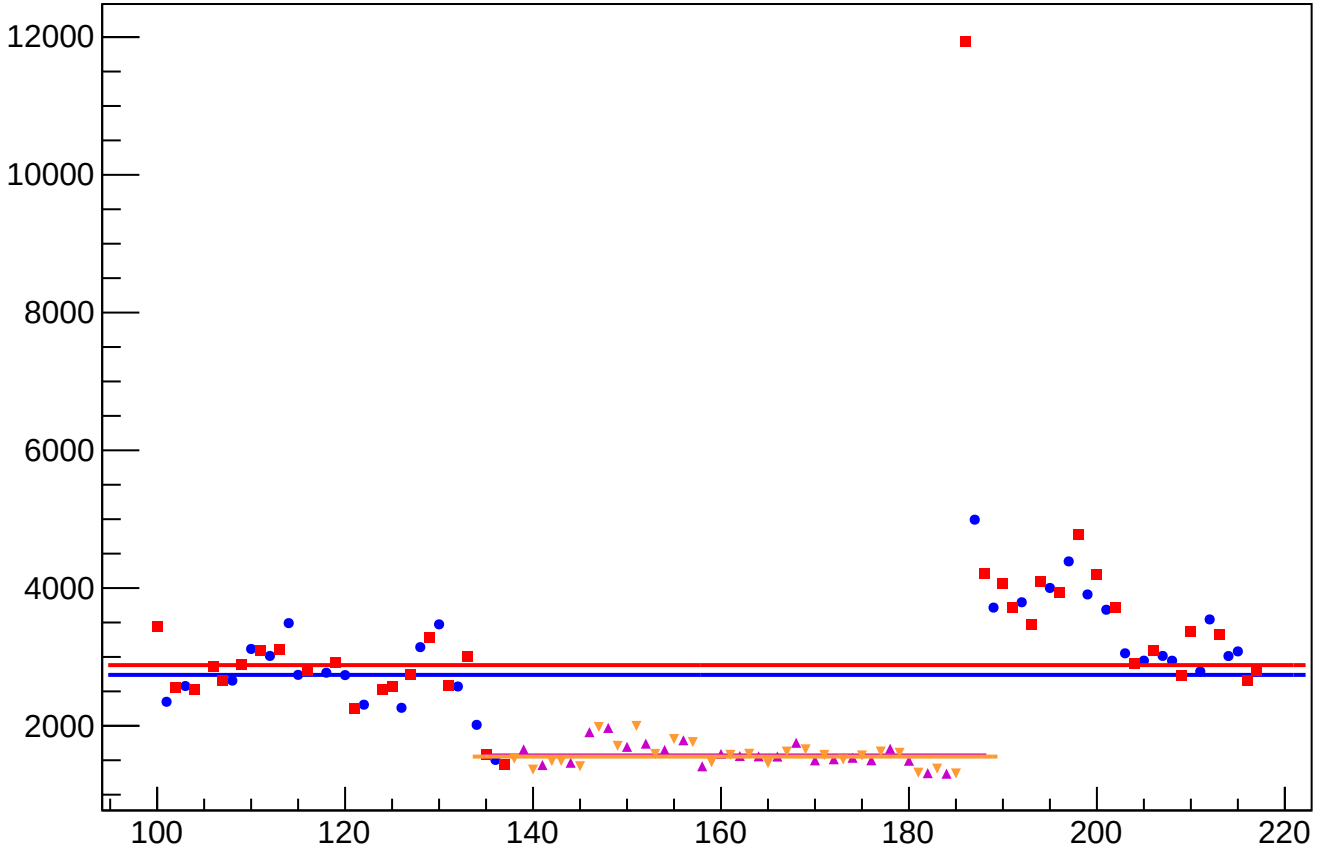
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1094.739+/-311.671 χ^2/NDF: 77.5/55

All: -688.055+/-223.906 χ^2/NDF: 148.8/114

- sign -254.294+/-321.878 χ^2/NDF: 67.8/58

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2739.268+/-0.458 χ^2/NDF: 2626915.5/30

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2881.262+/-0.466 χ^2/NDF: 2945514.7/35

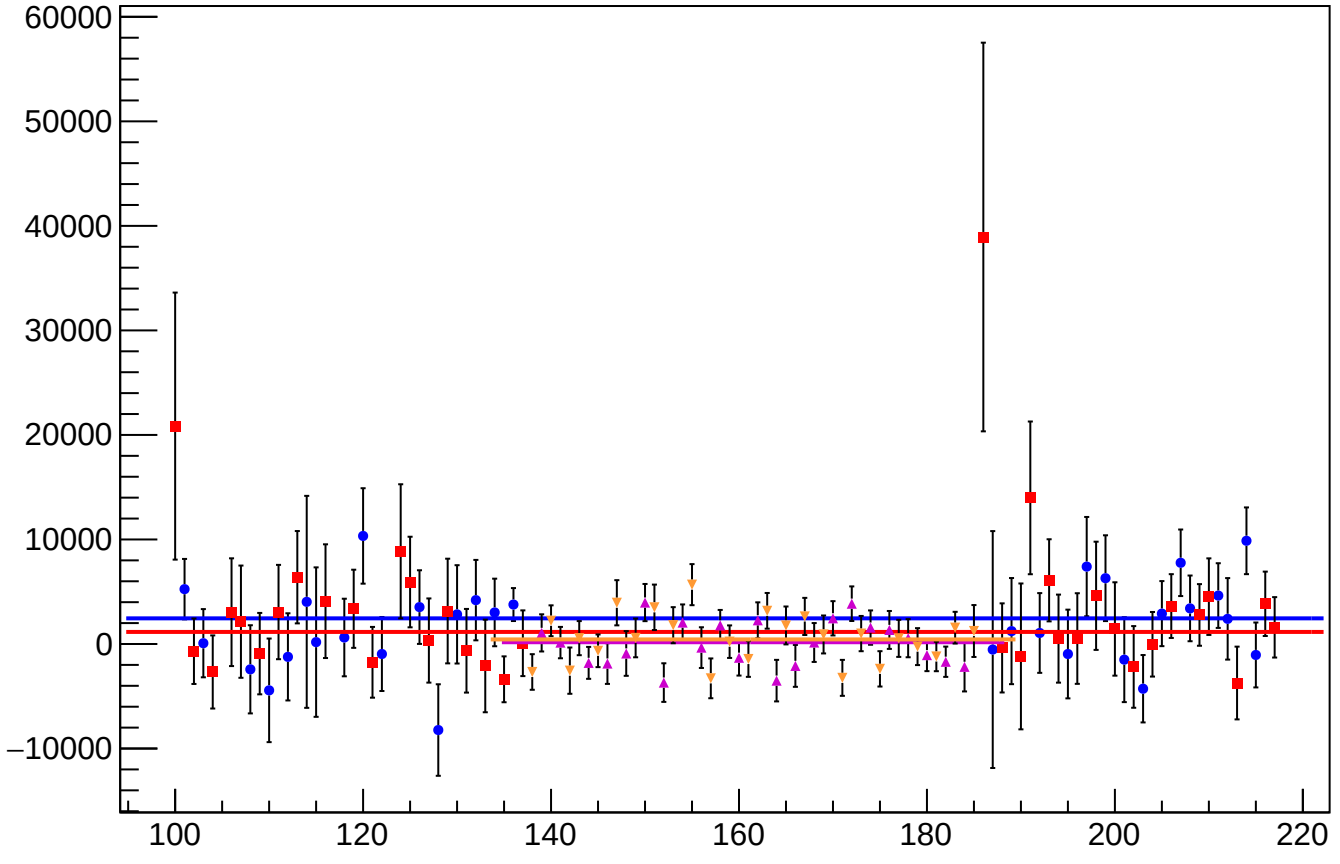
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1827.297+/-0.220 χ^2/NDF: 8186878.6/55

All: 1853.942+/-0.158 χ^2/NDF: 17555146.7/1

- sign 1882.360+/-0.228 χ^2/NDF: 9338060.9/58

asym_sam_26_dd_mean vs Slug



Right In: 2453.144+/-639.070 χ^2/NDF: 35.0/30

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1154.185+/-651.395 χ^2/NDF: 30.3/35

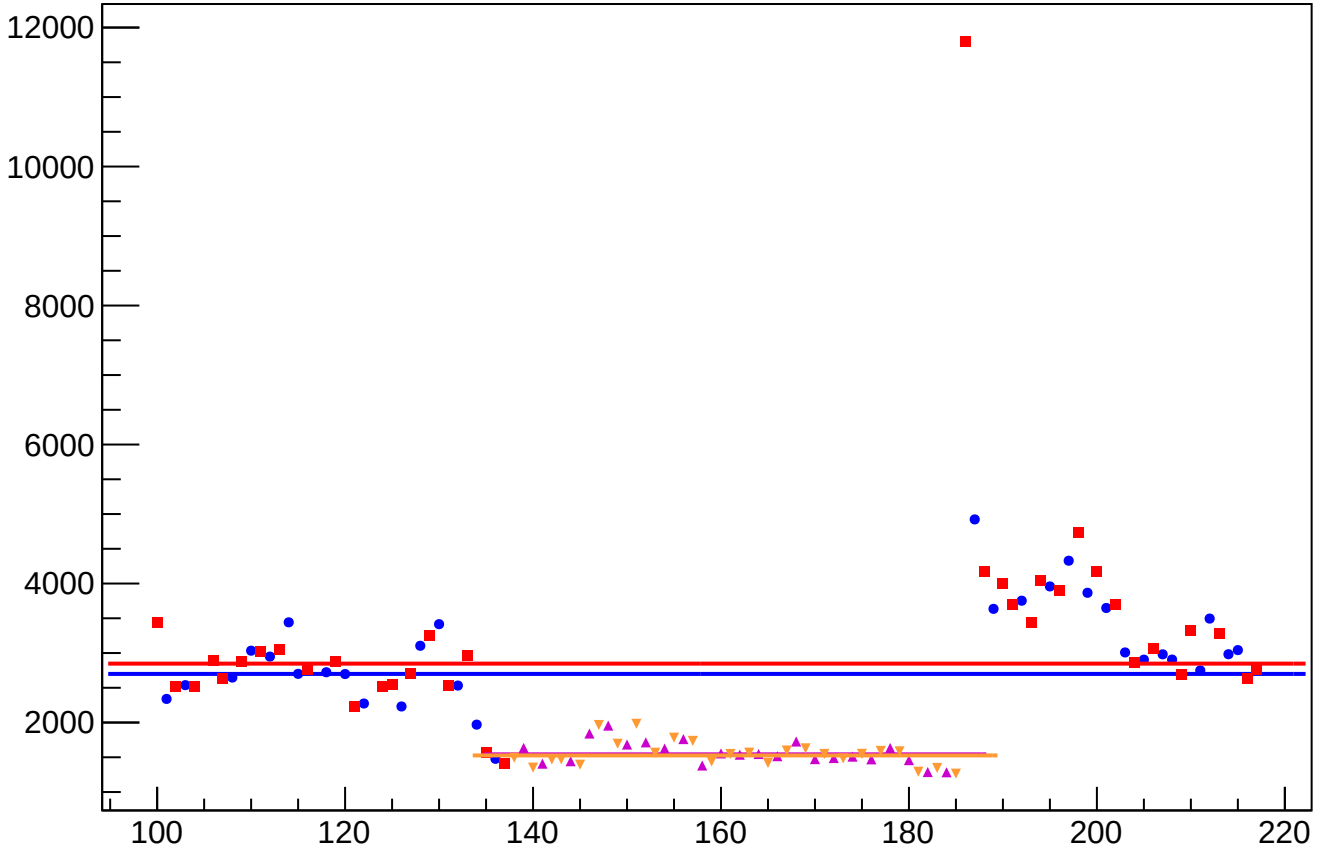
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 901.742+/-306.694 χ^2/NDF: 81.6/55

All: 660.269+/-220.348 χ^2/NDF: 147.9/114

- sign 402.638+/-316.789 χ^2/NDF: 65.1/58

asym_sam_26_dd_rms vs Slug



Right In: 2699.450+/-0.452 χ^2/NDF: 2653824.1/30

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

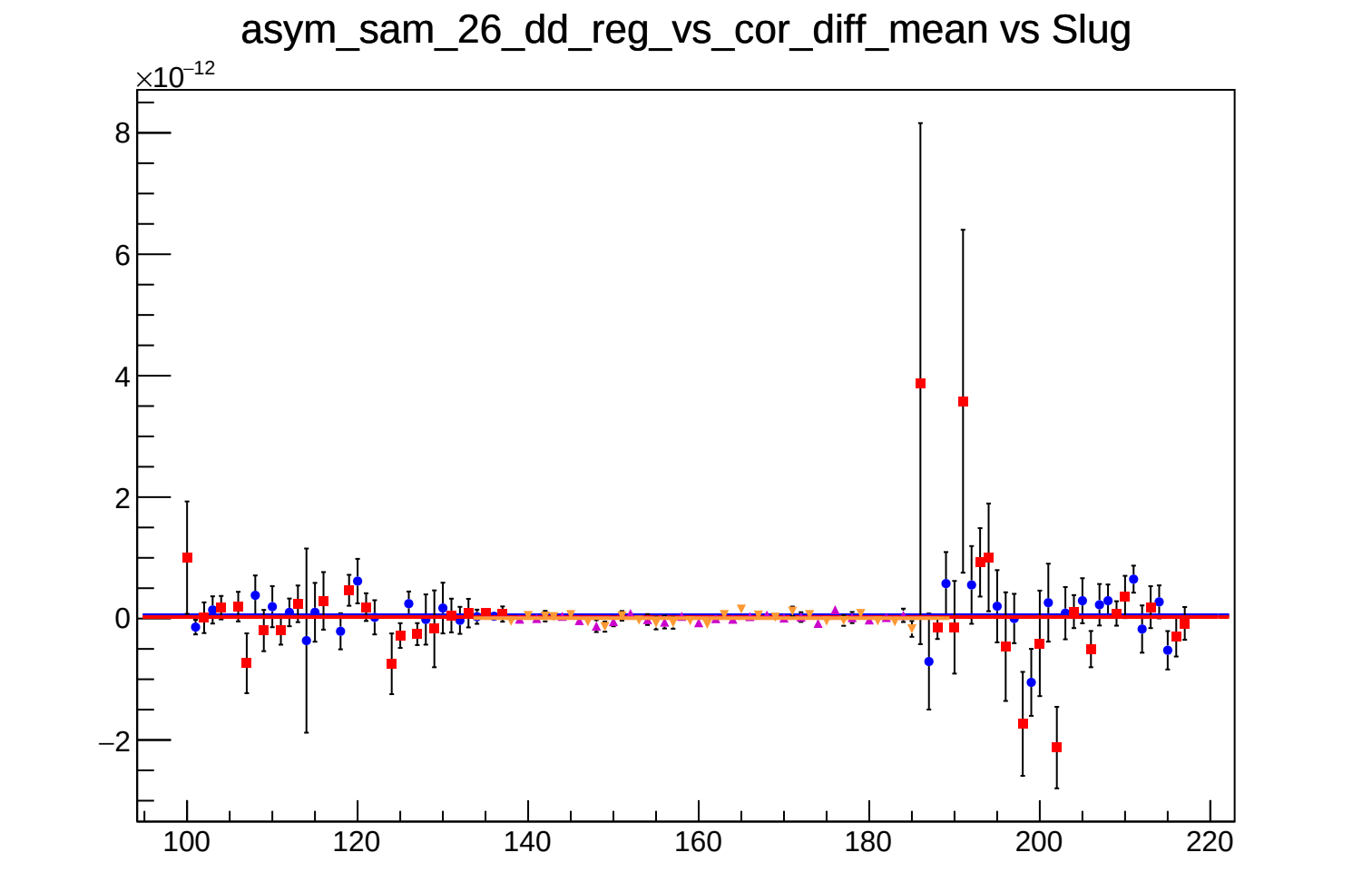
Right Out: 2847.519+/-0.461 χ^2/NDF: 2952606.5/35

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1796.817+/-0.217 χ^2/NDF: 8267003.0/55

All: 1823.017+/-0.156 χ^2/NDF: 17743135.4/1

- sign 1850.969+/-0.224 χ^2/NDF: 9445966.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

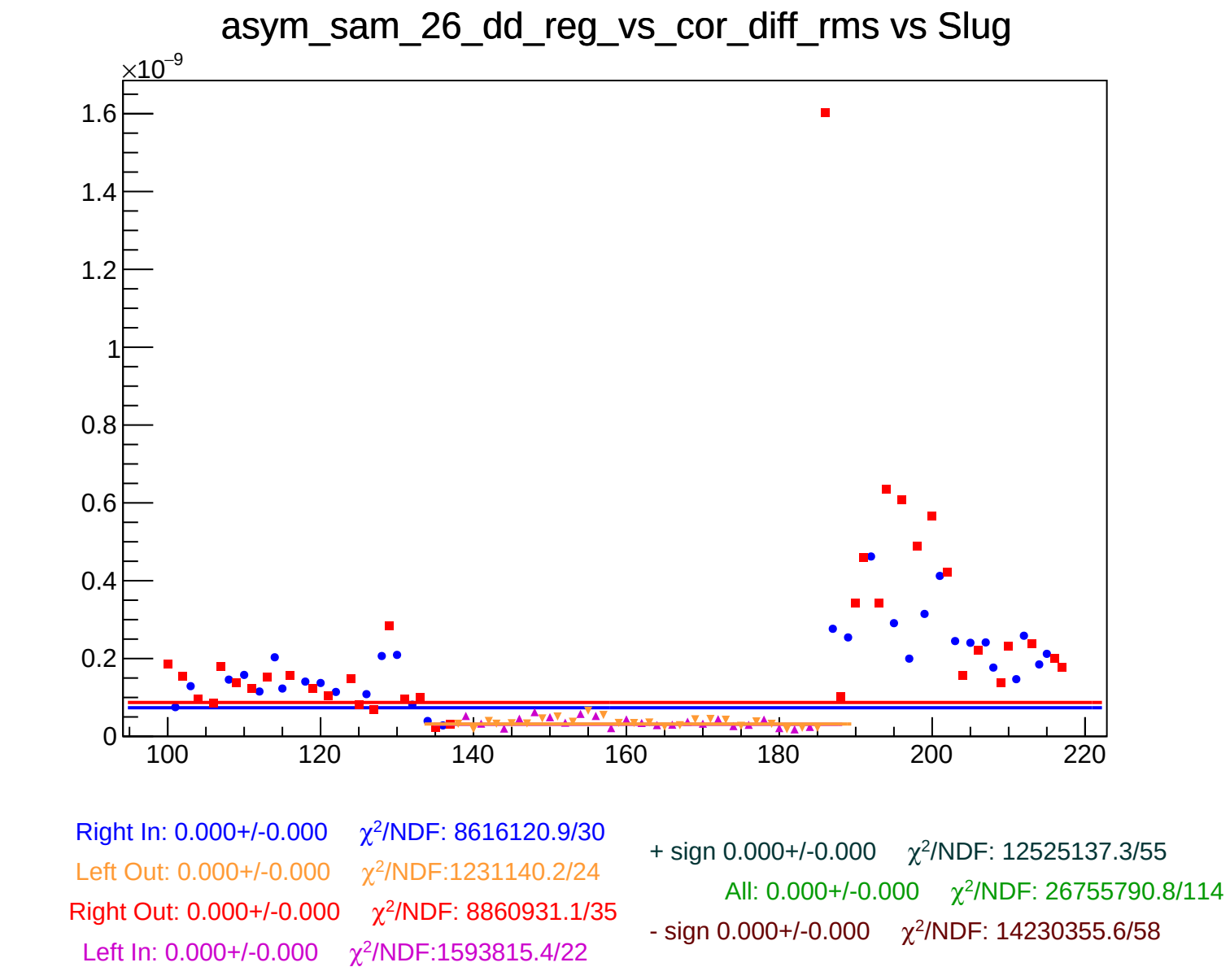
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/35

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

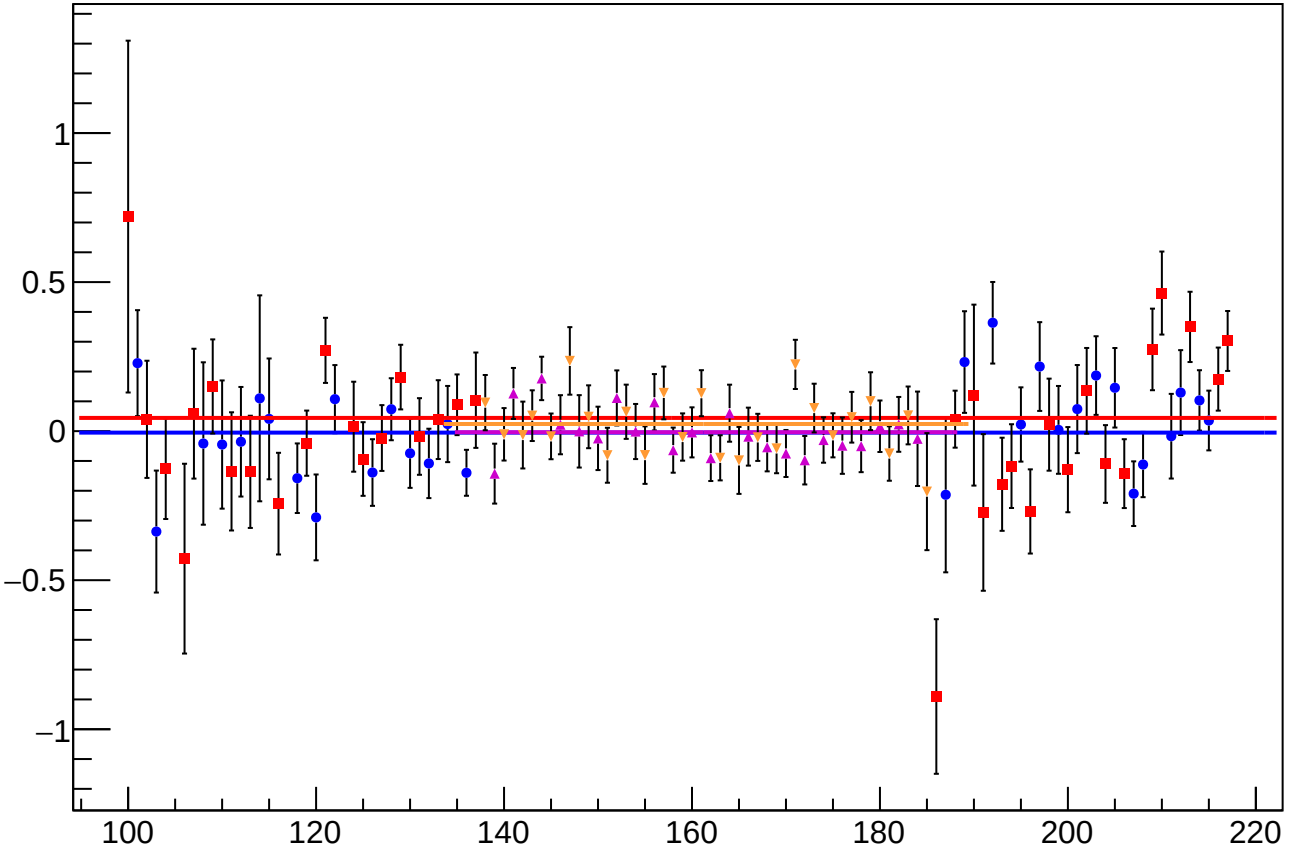
+ sign 0.000+/-0.000 χ^2/NDF: 61.0/55

All: 0.000+/-0.000 χ^2/NDF: 124.3/114

- sign 0.000+/-0.000 χ^2/NDF: 63.3/58


asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8616120.9/30
Left Out: 0.000+/-0.000 χ²/NDF:1231140.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 8860931.1/35
Left In: 0.000+/-0.000 χ²/NDF:1593815.4/22
+ sign 0.000+/-0.000 χ²/NDF: 12525137.3/55
All: 0.000+/-0.000 χ²/NDF: 26755790.8/114
- sign 0.000+/-0.000 χ²/NDF: 14230355.6/58

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

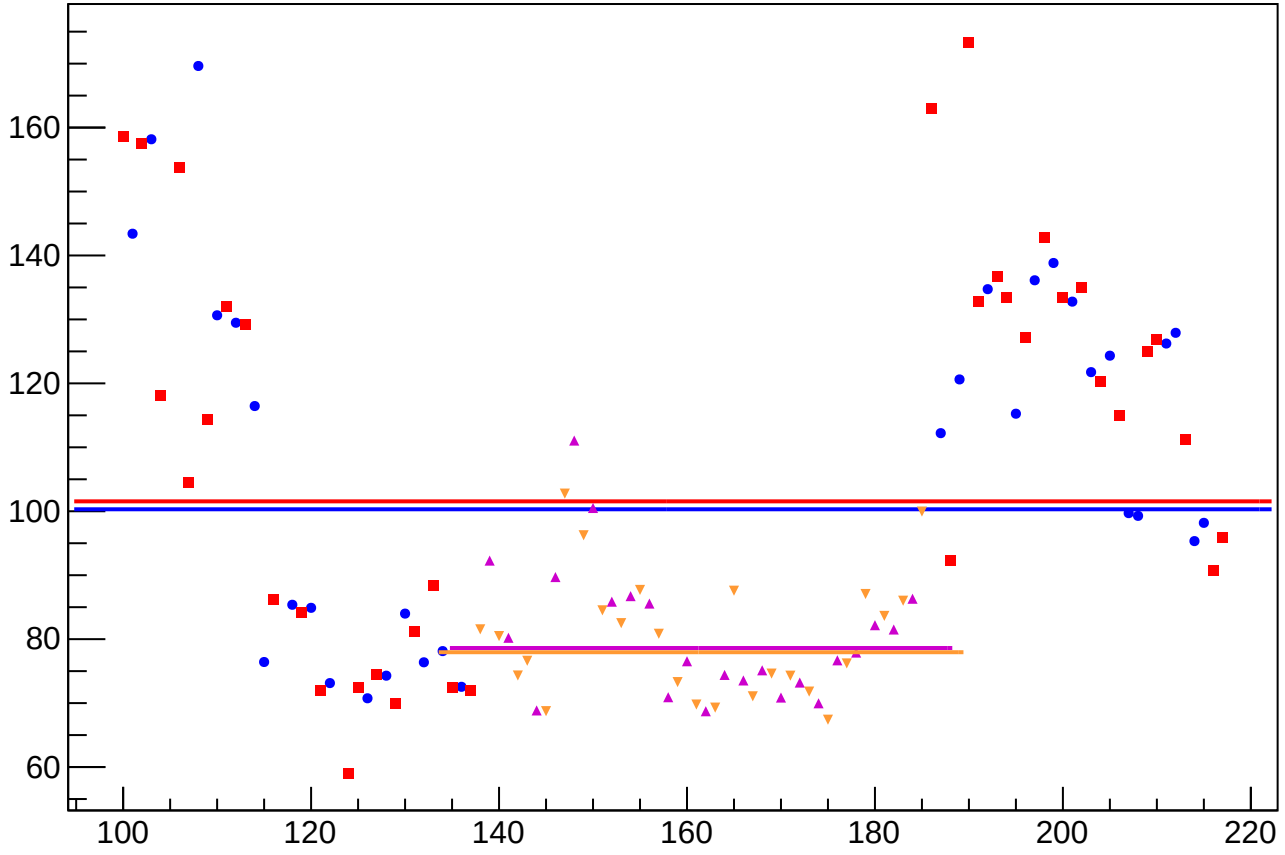
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.014+/-0.014 χ^2/NDF: 66.4/55

All: 0.014+/-0.010 χ^2/NDF: 161.6/114

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 100.309+/-0.017 χ^2/NDF: 2209206.4/30

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

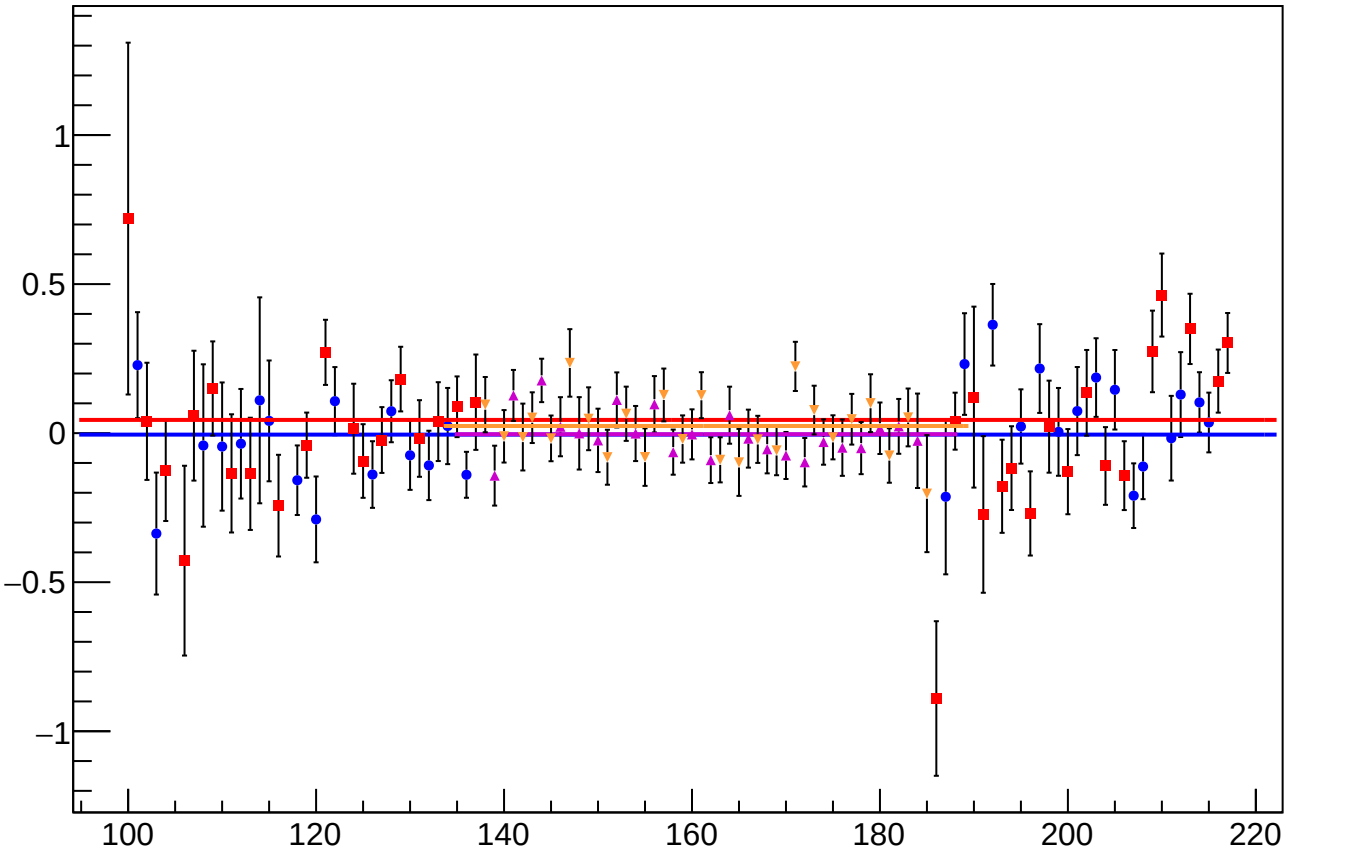
Right Out: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 86.060+/-0.010 χ^2/NDF: 3784983.6/55

All: 86.790+/-0.007 χ^2/NDF: 8039947.7/114

\- sign 87.546+/-0.010 χ^2/NDF: 4244296.1/58



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

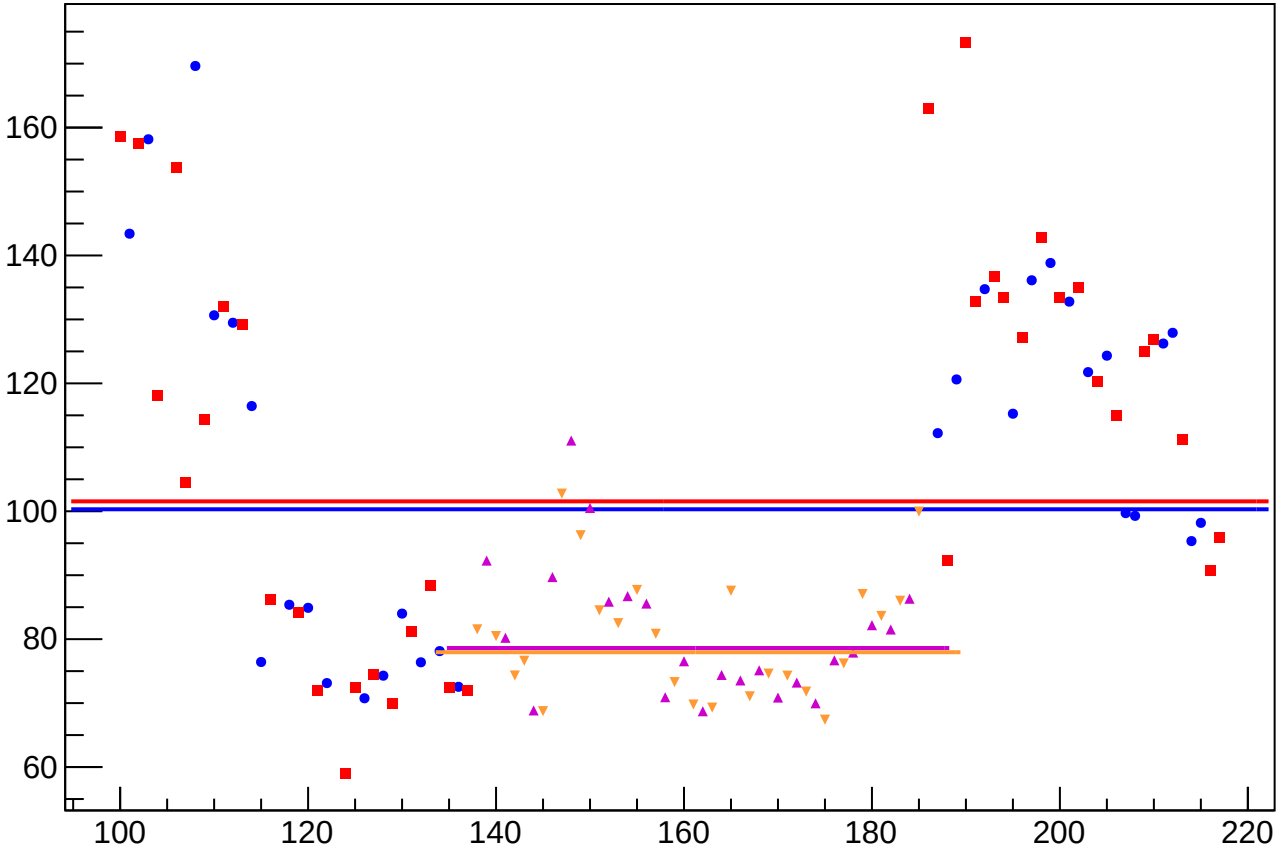
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.014+/-0.014 χ^2/NDF: 66.4/55

All: 0.014+/-0.010 χ^2/NDF: 161.6/114

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 100.309+/-0.017 χ^2/NDF: 2209206.4/30

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

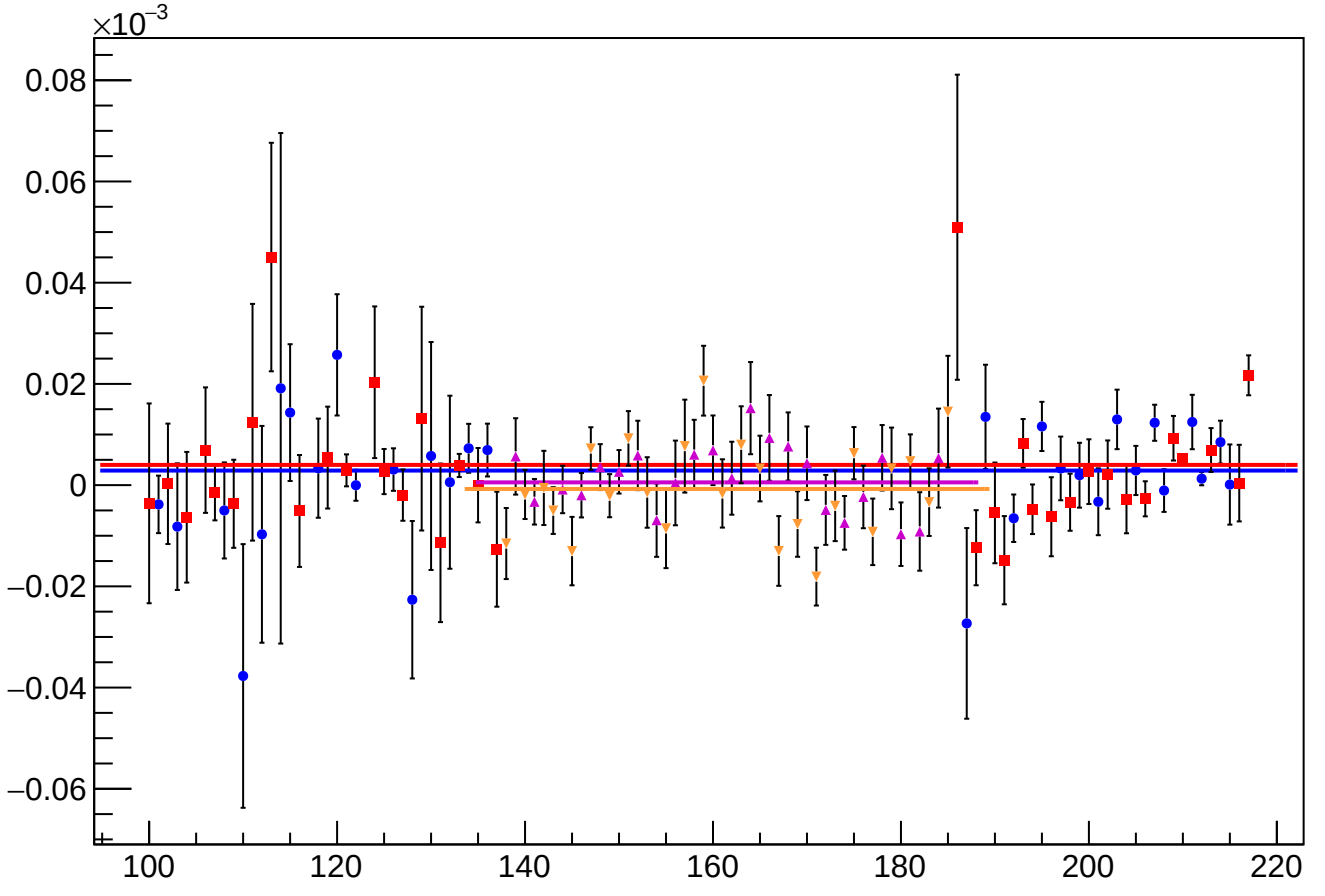
Right Out: 101.549+/-0.016 χ^2/NDF: 2557958.2/35

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 86.060+/-0.010 χ^2/NDF: 3784983.6/55

All: 86.790+/-0.007 χ^2/NDF: 8039947.7/114

\- sign 87.546+/-0.010 χ^2/NDF: 4244296.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 44.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

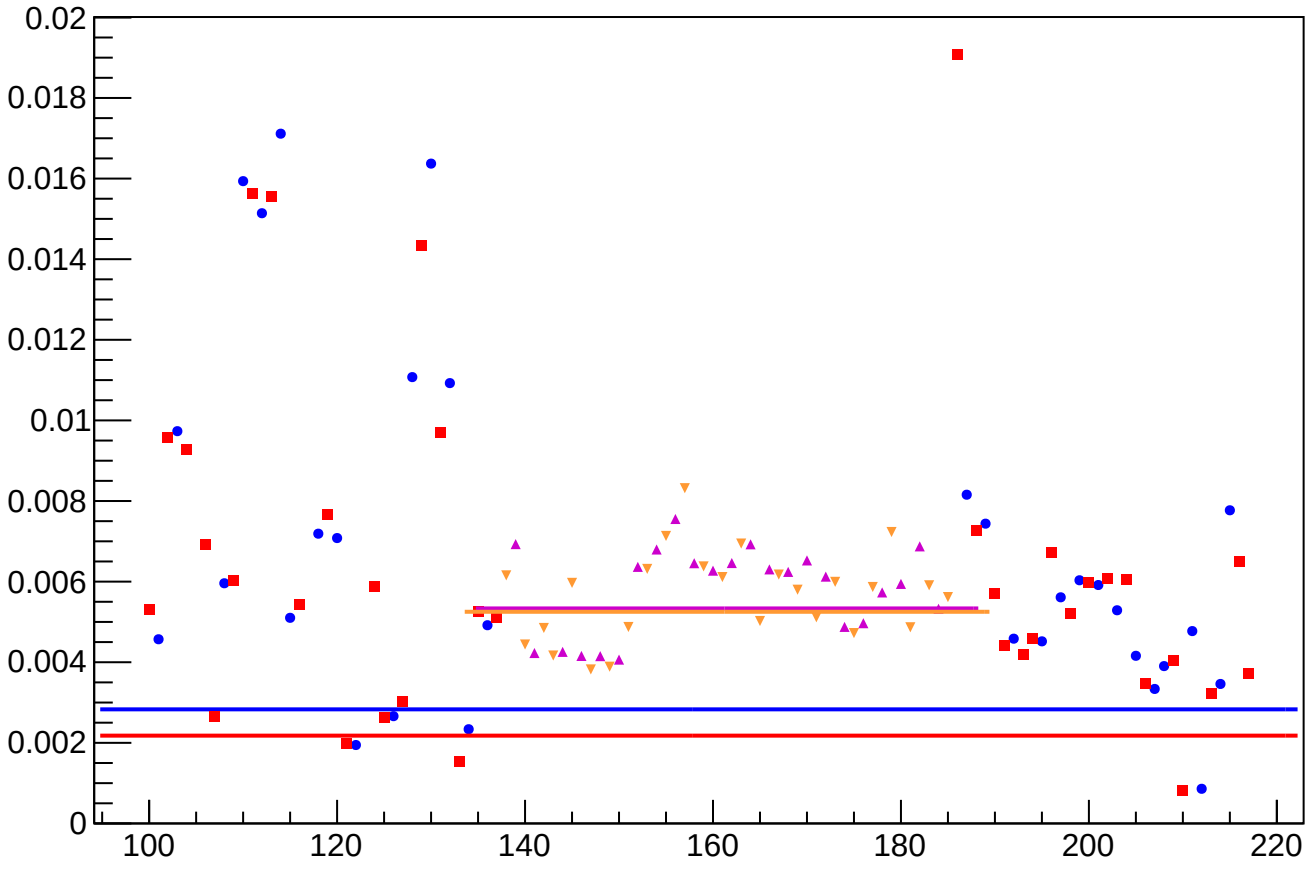
Right Out: 0.000+/-0.000 χ^2/NDF: 62.3/35

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.9/55

All: 0.000+/-0.000 χ^2/NDF: 187.4/114

- sign 0.000+/-0.000 χ^2/NDF: 86.7/58



Right In: 0.003+/-0.000 χ^2/NDF: 13978345.1/30

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

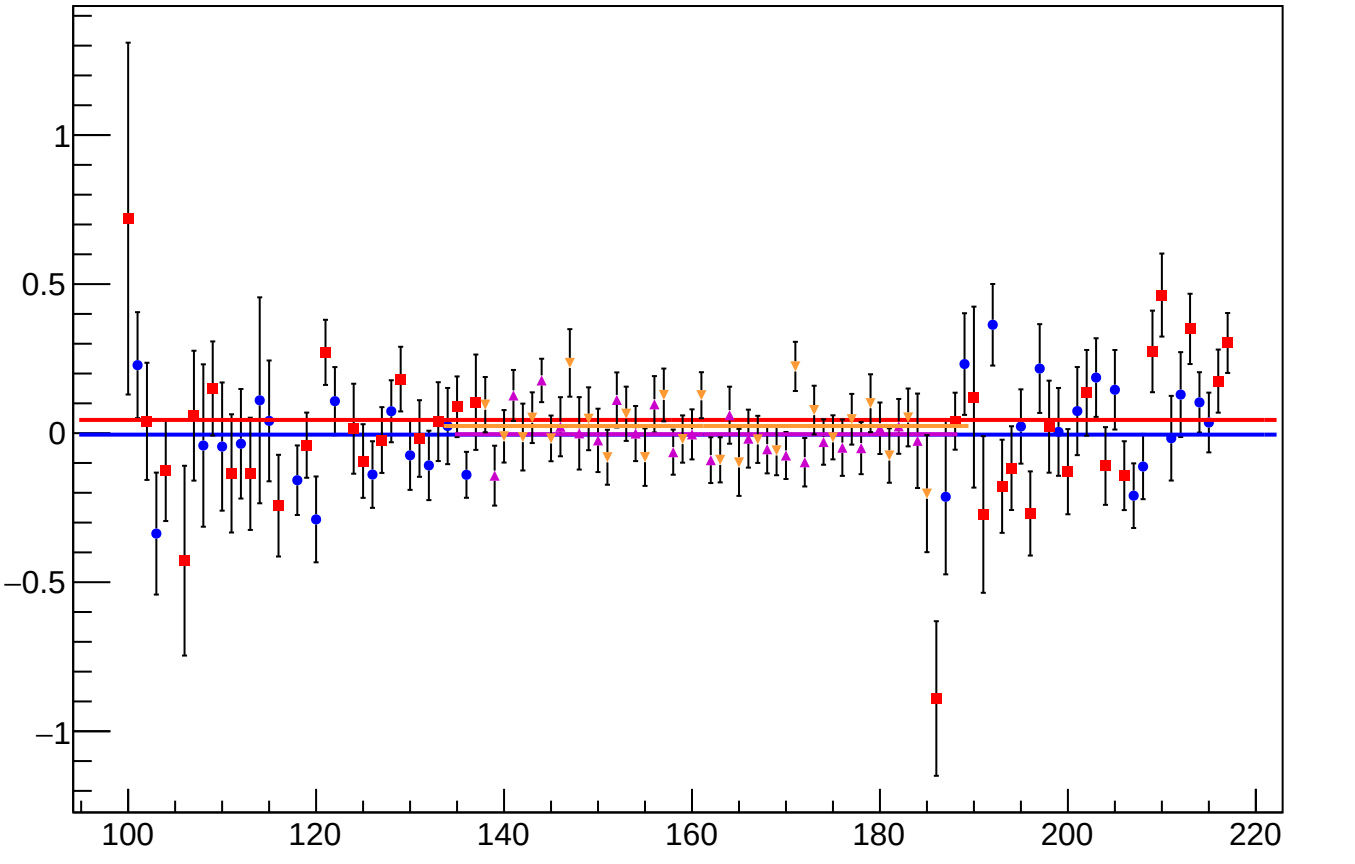
Right Out: 0.002+/-0.000 χ^2/NDF: 18409168.0/35

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20783463.0/55

All: 0.003+/-0.000 χ^2/NDF: 51569147.3/114

- sign 0.003+/-0.000 χ^2/NDF: 29432922.3/58



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

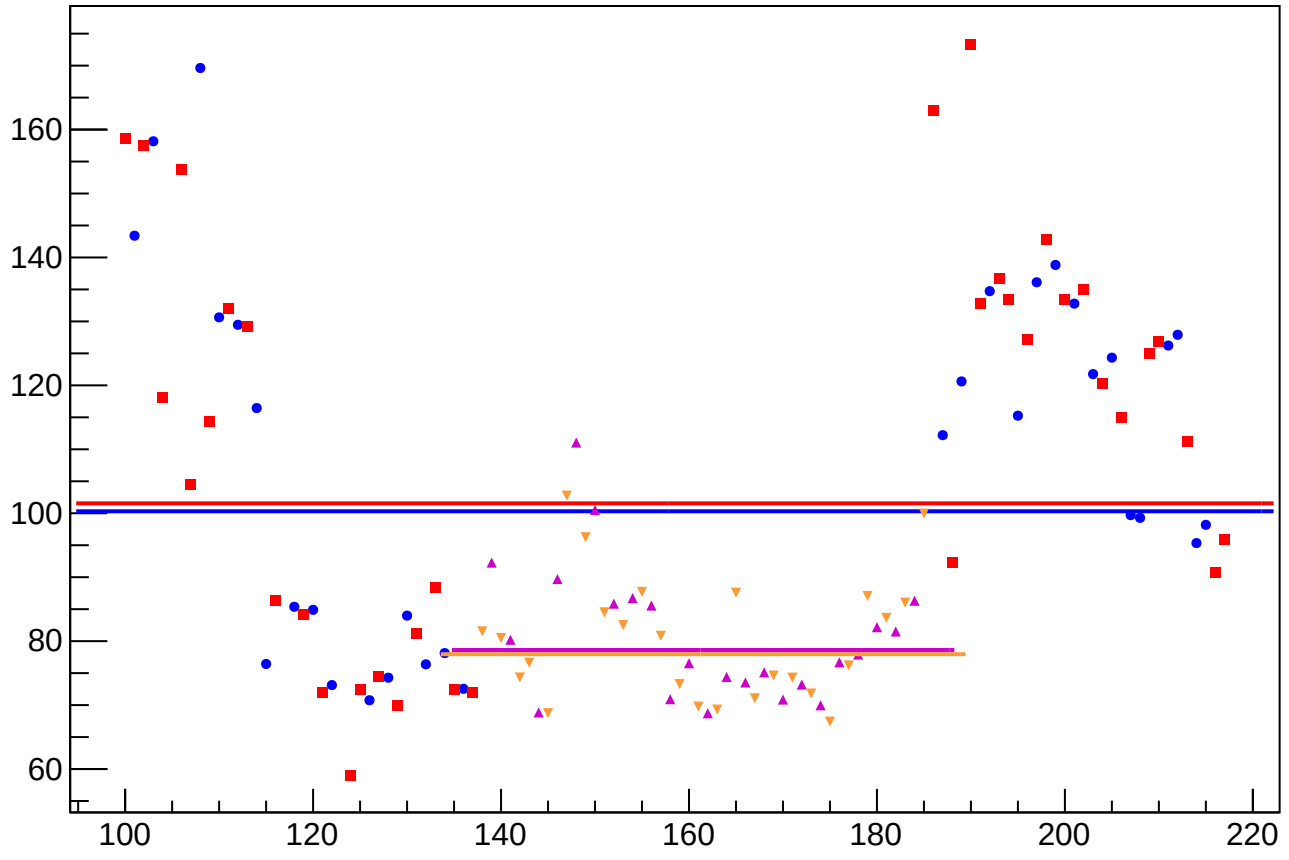
Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.014+/-0.014 χ^2/NDF: 66.4/55

All: 0.014+/-0.010 χ^2/NDF: 161.6/114

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58



Right In: 100.307+/-0.017 χ^2/NDF: 2209345.5/30

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

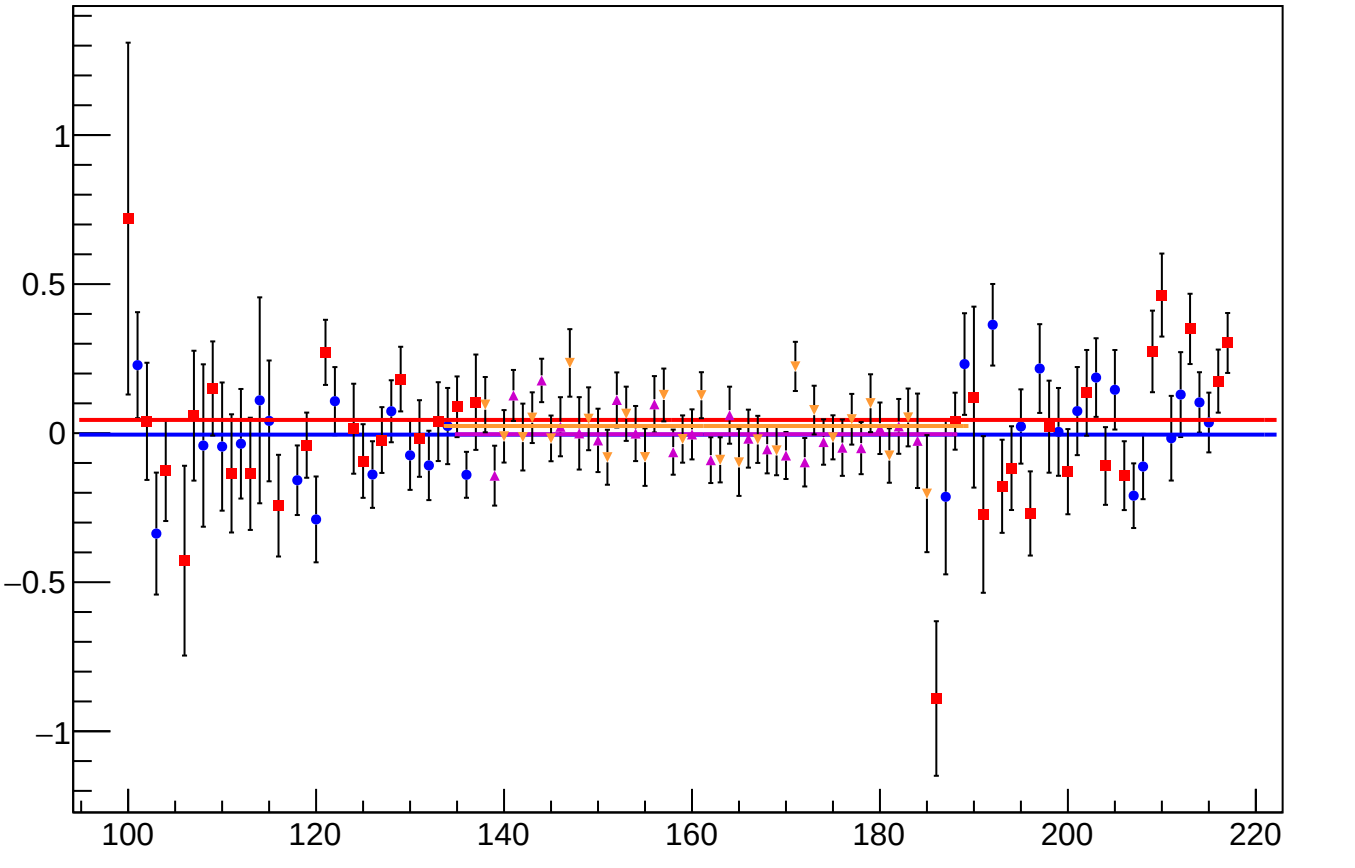
Right Out: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 86.059+/-0.010 χ^2/NDF: 3785052.2/55

All: 86.789+/-0.007 χ^2/NDF: 8040104.9/114

\- sign 87.544+/-0.010 χ^2/NDF: 4244387.0/58



Right In: -0.005+/-0.024 χ^2/NDF: 39.9/30

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

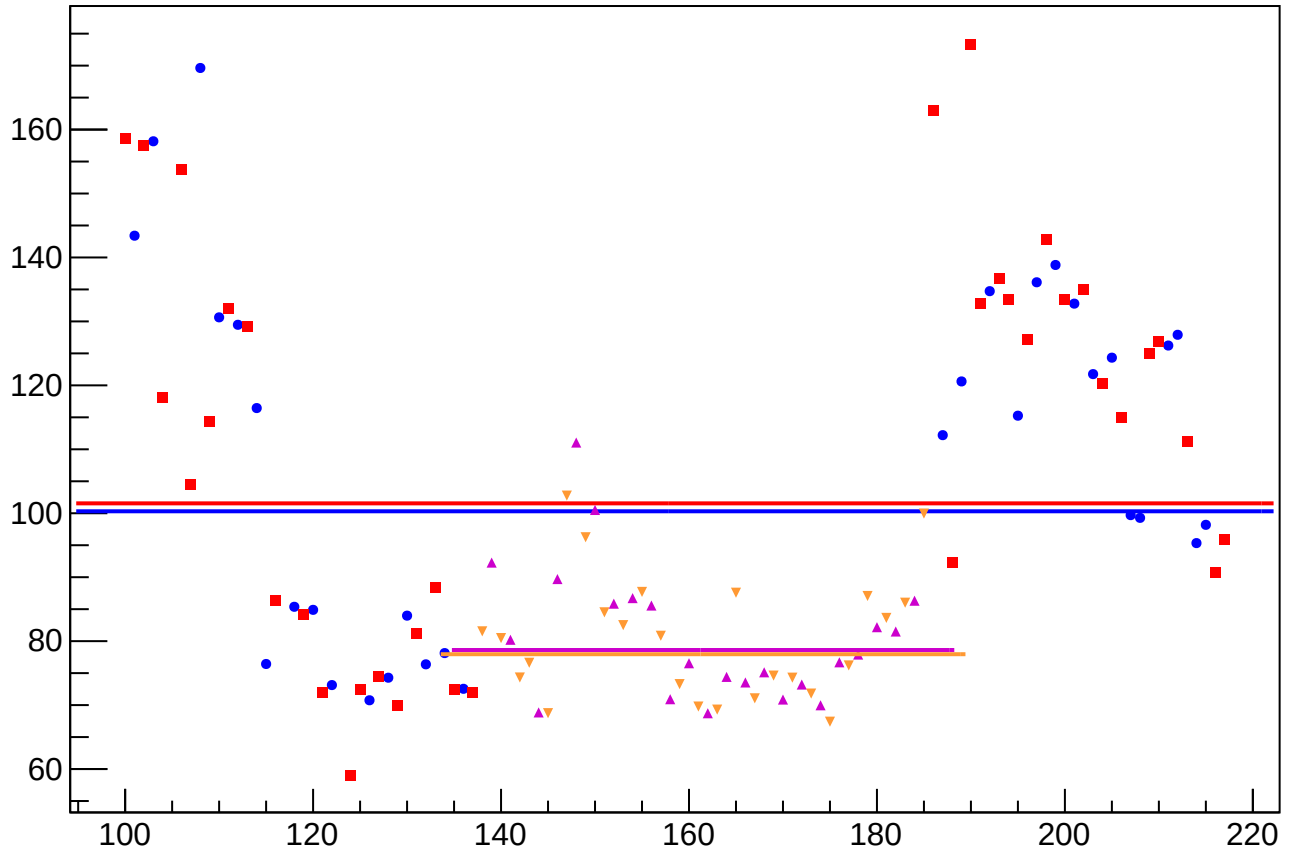
Right Out: 0.044+/-0.023 χ^2/NDF: 73.7/35

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.014+/-0.014 χ^2/NDF: 66.4/55

All: 0.014+/-0.010 χ^2/NDF: 161.6/114

- sign 0.015+/-0.015 χ^2/NDF: 95.2/58



Right In: 100.307+/-0.017 χ^2/NDF: 2209345.5/30

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

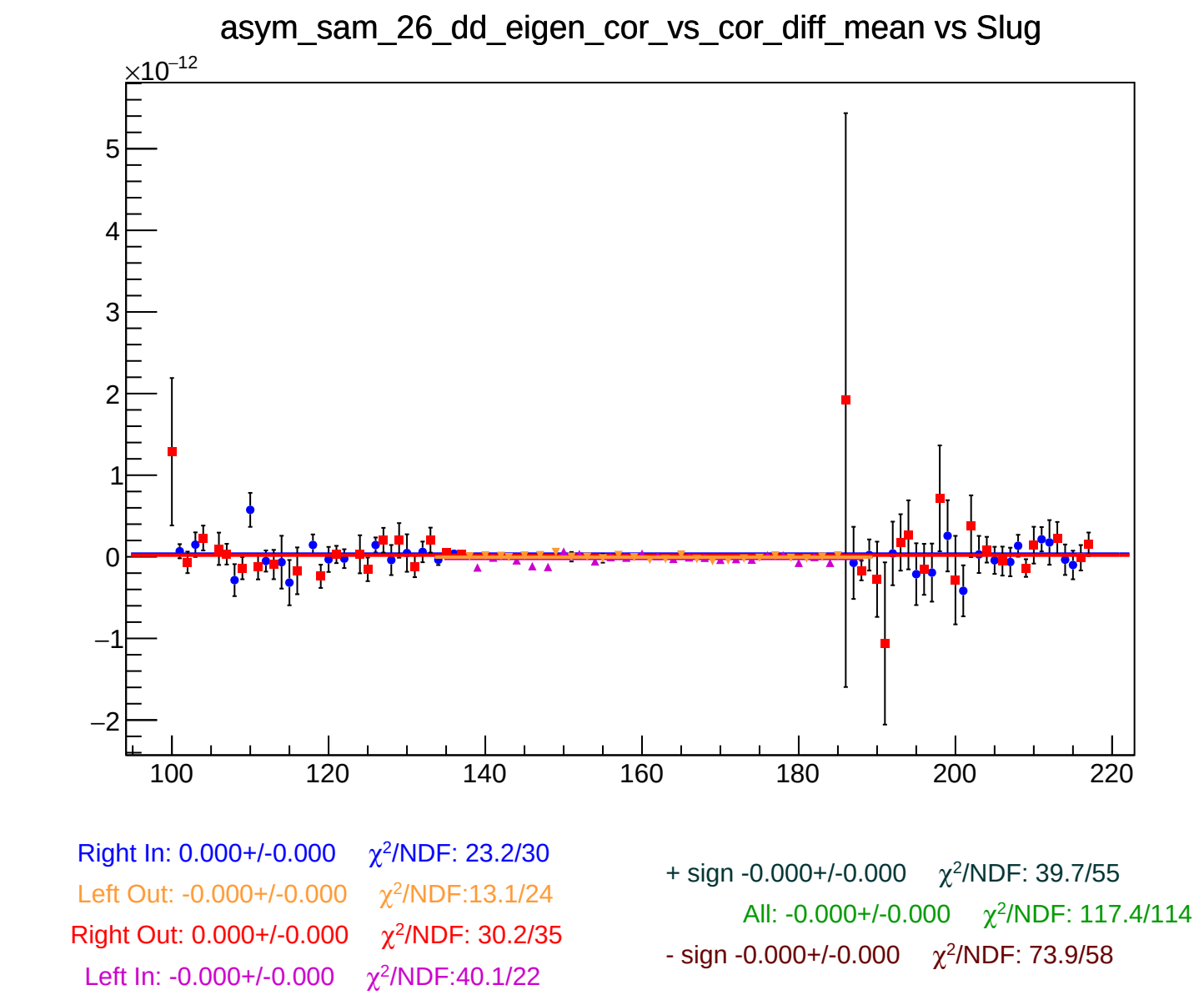
Right Out: 101.548+/-0.016 χ^2/NDF: 2558068.6/35

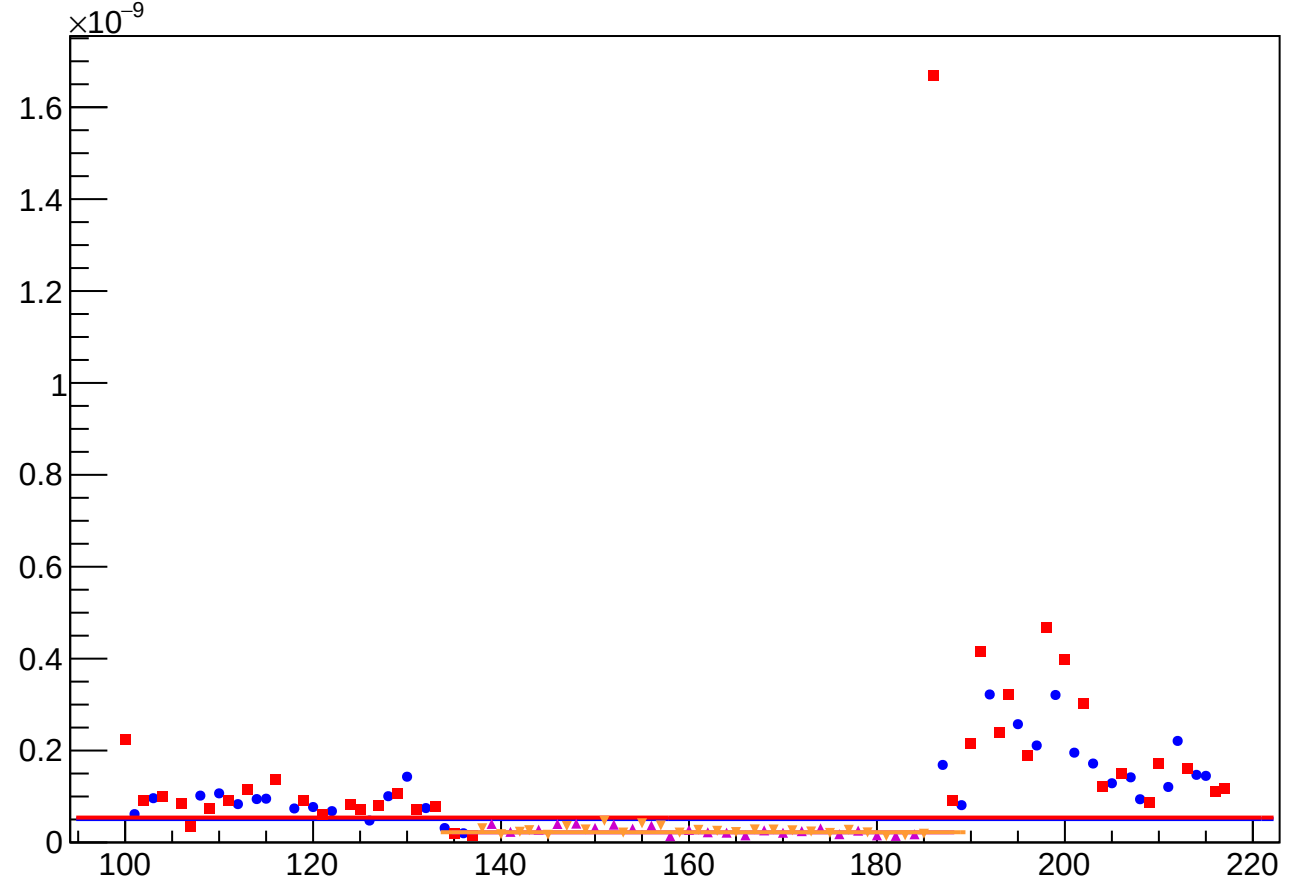
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 86.059+/-0.010 χ^2/NDF: 3785052.2/55

All: 86.789+/-0.007 χ^2/NDF: 8040104.9/114

\- sign 87.544+/-0.010 χ^2/NDF: 4244387.0/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 23.2/30
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.2/35
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 39.7/55
All: -0.000+/-0.000 χ²/NDF: 117.4/114
- sign -0.000+/-0.000 χ²/NDF: 73.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 11674681.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13381984.6/35

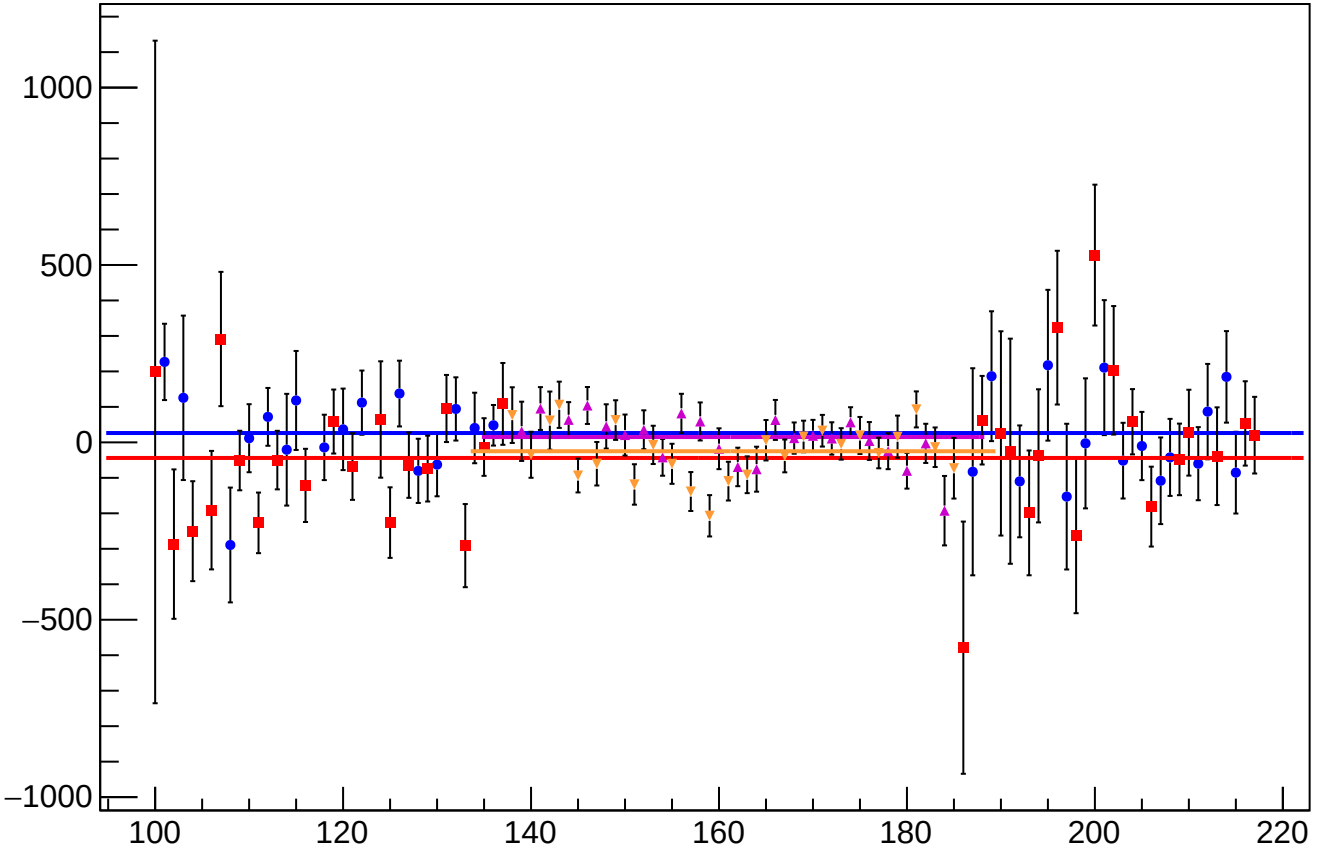
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17965232.9/55

All: 0.000+/-0.000 χ^2/NDF: 38722899.0/114

- sign 0.000+/-0.000 χ^2/NDF: 20757644.2/58

reg_asym_sam_37_dd_mean vs Slug



Right In: 26.326+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.946+/-19.990 χ^2/NDF: 48.4/35

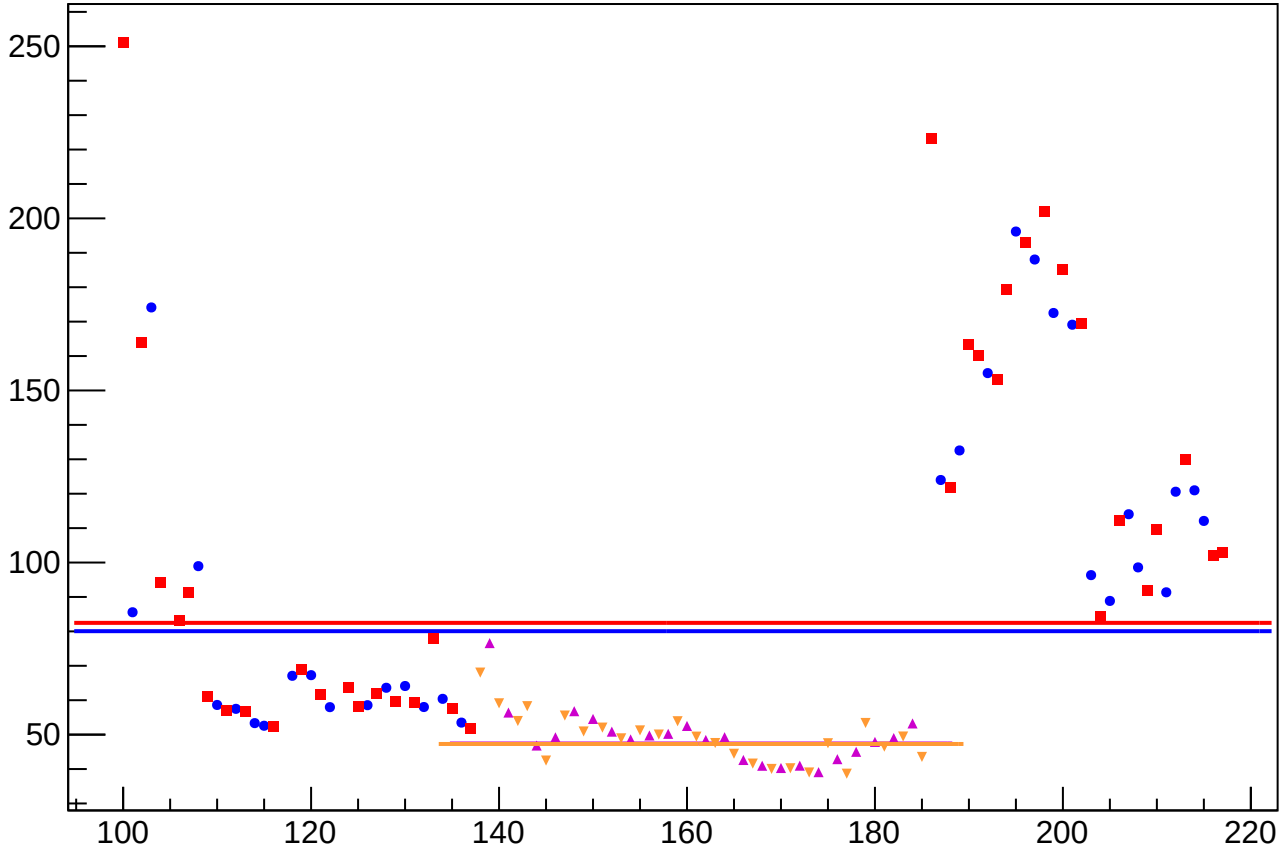
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.169+/-9.552 χ^2/NDF: 72.0/55

All: -6.314+/-6.834 χ^2/NDF: 152.8/114

- sign 0.878+/-9.783 χ^2/NDF: 79.7/58

reg_asym_sam_37_dd_rms vs Slug



Right In: 80.059+/-0.014 χ^2/NDF: 5400683.0/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 82.474+/-0.014 χ^2/NDF: 6392025.6/35

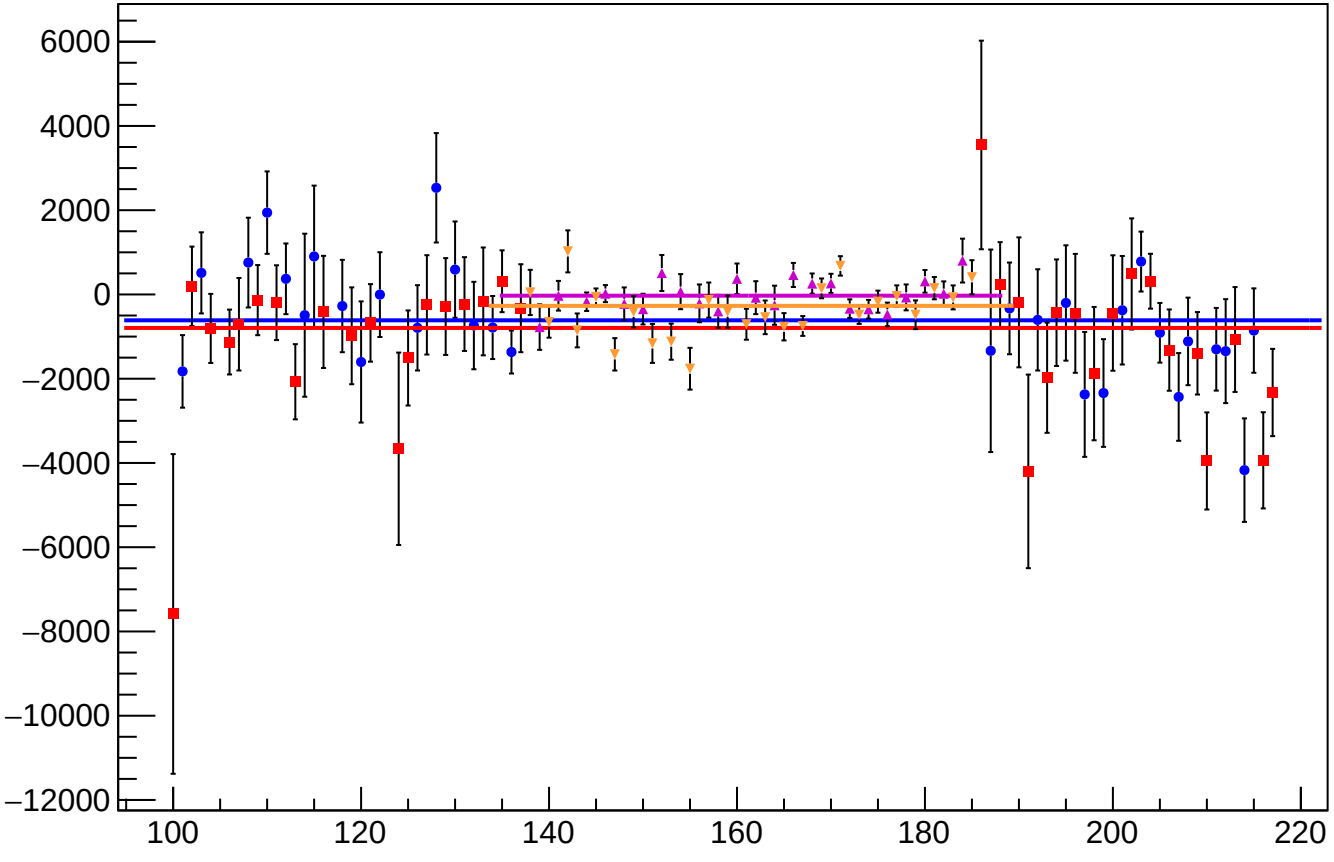
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.832+/-0.007 χ^2/NDF: 10292111.1/55

All: 55.314+/-0.005 χ^2/NDF: 22026152.9/114

- sign 55.819+/-0.007 χ^2/NDF: 11723614.7/58

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -613.856+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -794.839+/-180.032 χ^2/NDF: 42.9/35

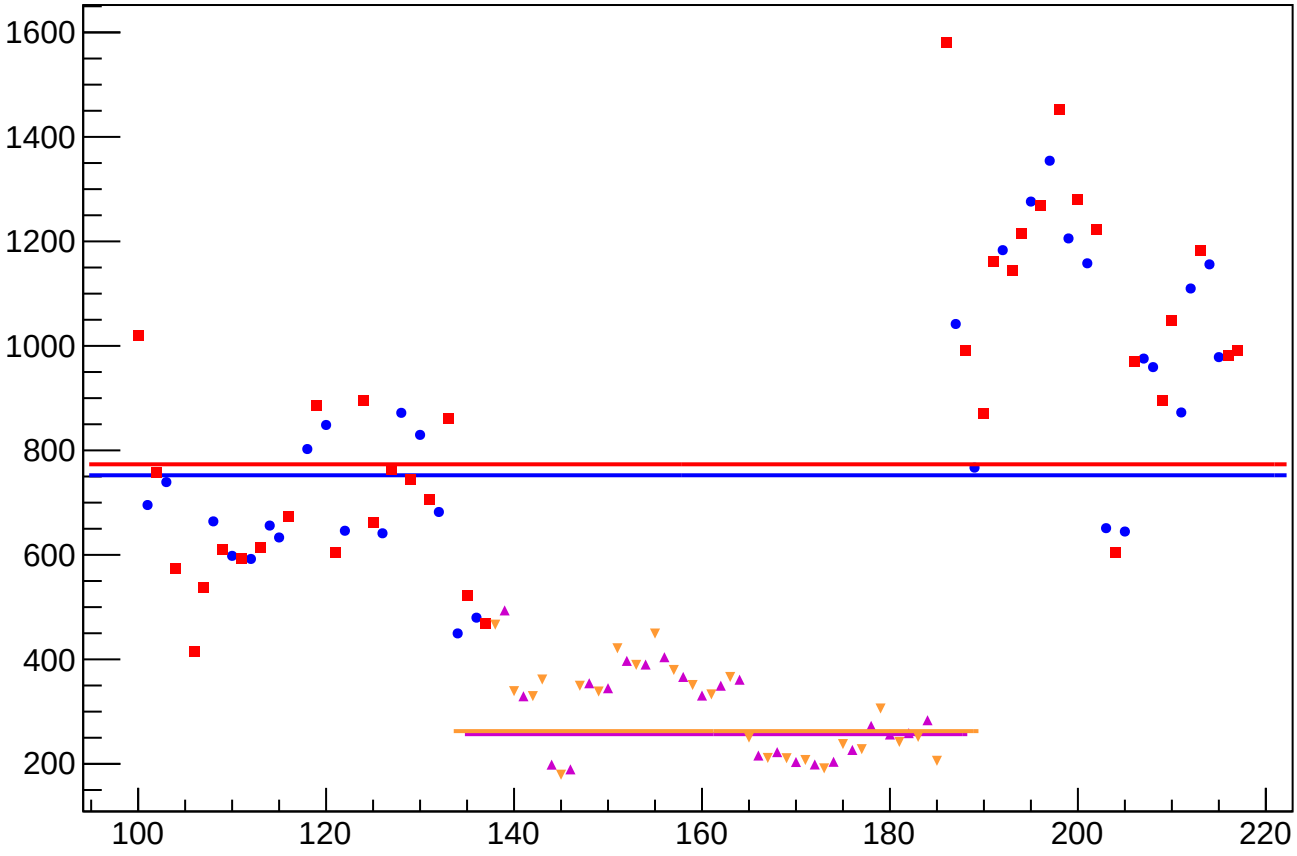
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -307.546+/-58.932 χ^2/NDF: 121.4/55

All: -210.171+/-41.761 χ^2/NDF: 210.4/114

- sign -111.952+/-59.187 χ^2/NDF: 83.4/58

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 752.360+/-0.128 χ^2/NDF: 3285244.4/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 773.352+/-0.127 χ^2/NDF: 4052044.4/35

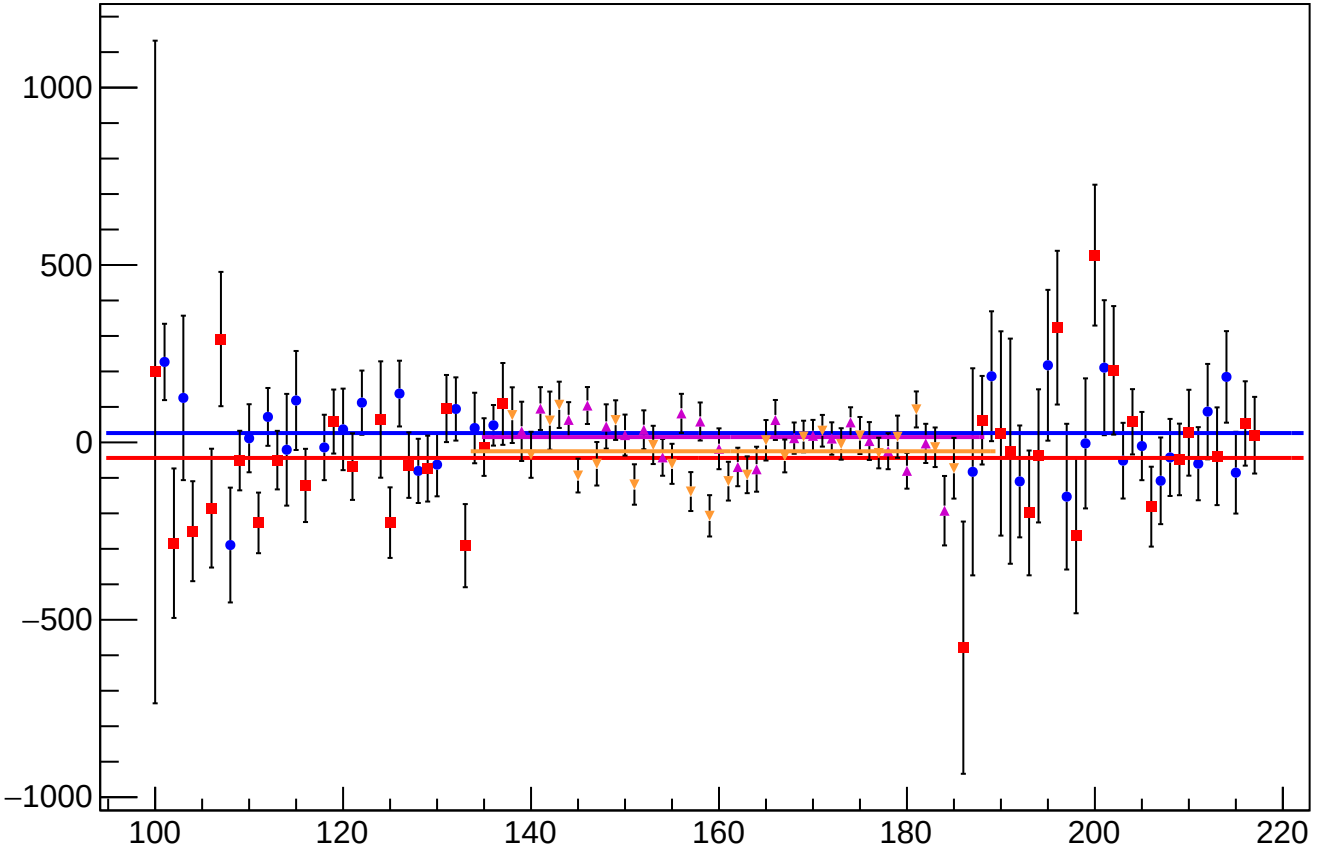
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 314.835+/-0.042 χ^2/NDF: 19319641.5/55

All: 313.756+/-0.030 χ^2/NDF: 40695155.8/11

- sign 312.668+/-0.042 χ^2/NDF: 21374167.6/58

cor_asym_sam_37_dd_mean vs Slug



Right In: 26.320+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.824+/-19.991 χ^2/NDF: 48.3/35

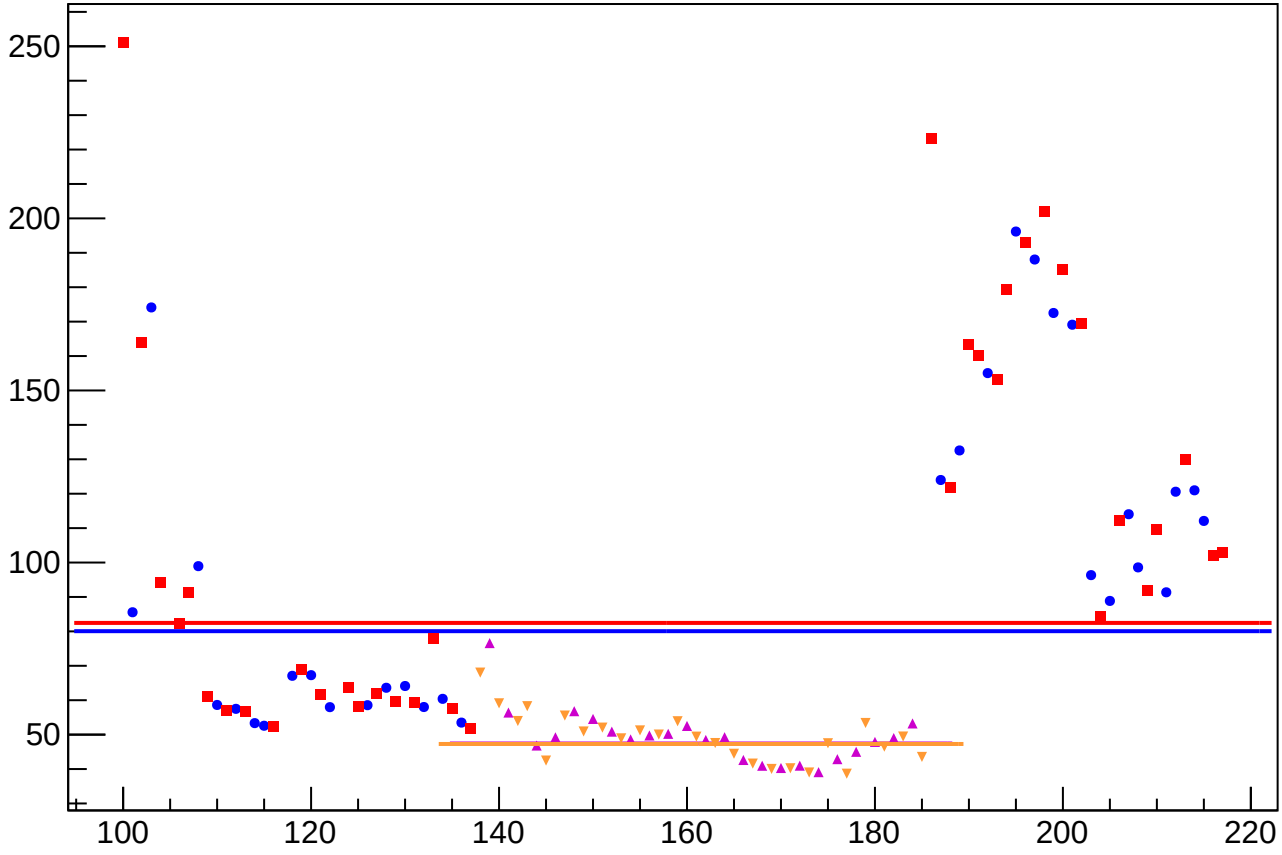
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.168+/-9.552 χ^2/NDF: 72.0/55

All: -6.299+/-6.834 χ^2/NDF: 152.7/114

- sign 0.906+/-9.783 χ^2/NDF: 79.6/58

cor_asym_sam_37_dd_rms vs Slug



Right In: 80.059+/-0.014 χ^2/NDF: 5400685.4/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

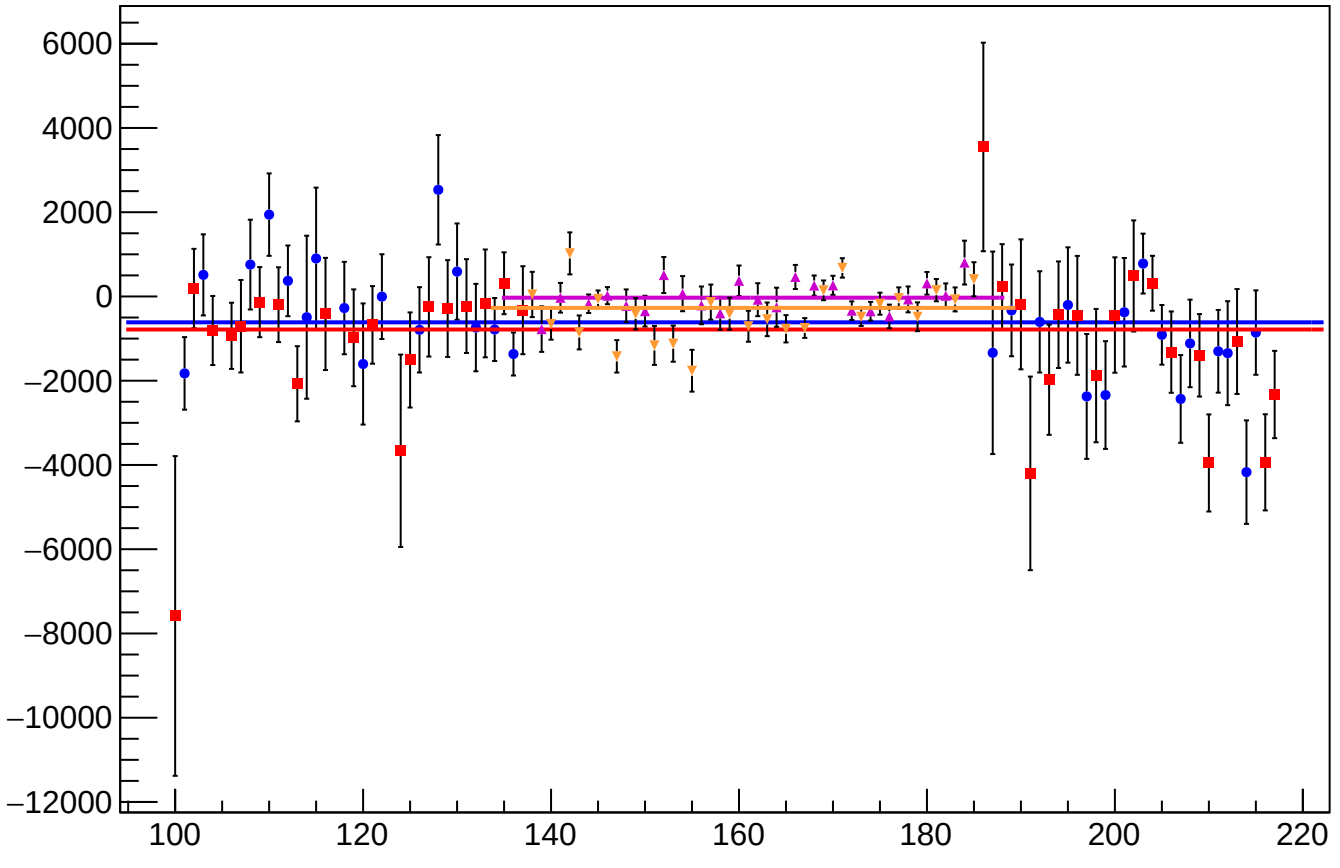
Right Out: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.832+/-0.007 χ^2/NDF: 10292112.8/55

All: 55.312+/-0.005 χ^2/NDF: 22022022.2/114

- sign 55.815+/-0.007 χ^2/NDF: 11719567.3/58



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -784.213+/-180.232 χ^2/NDF: 42.7/35

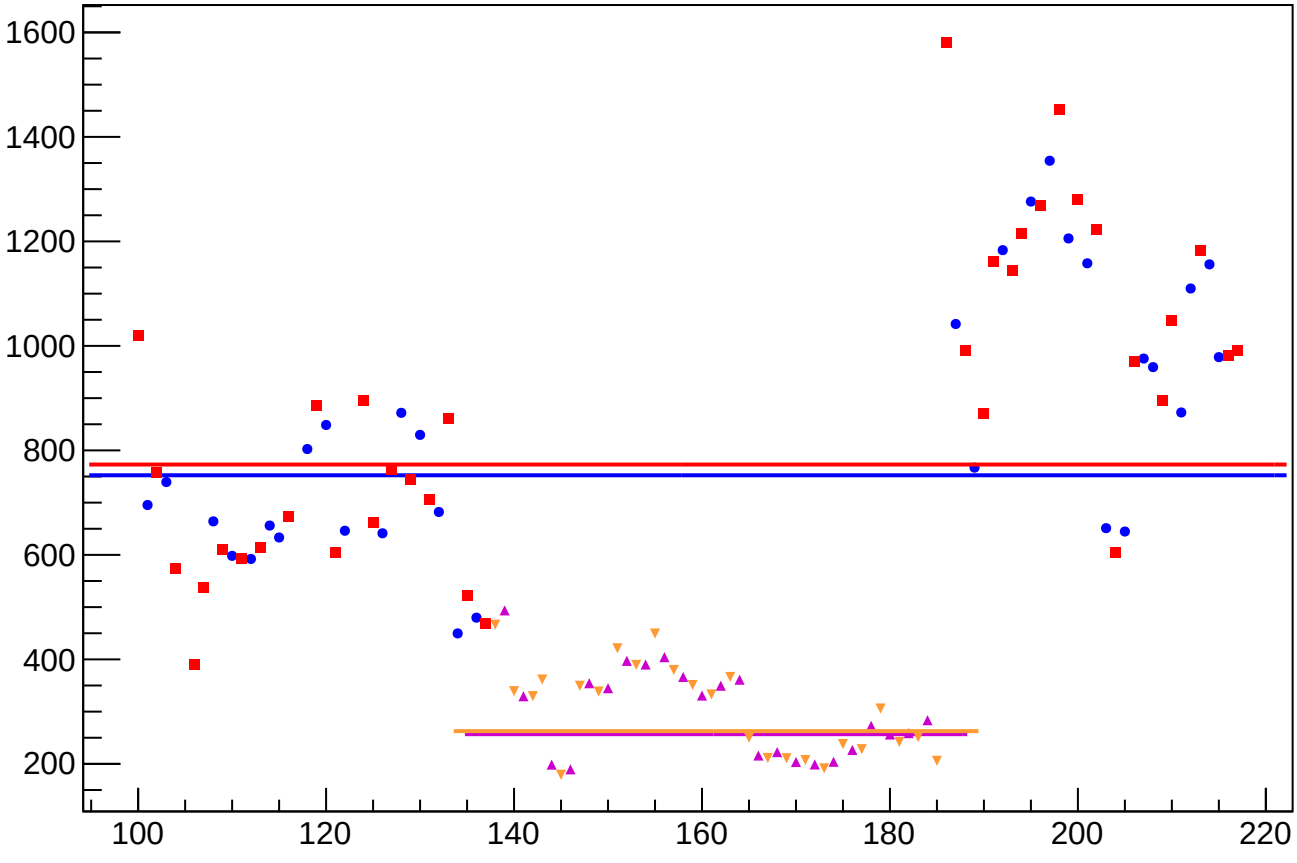
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -307.541+/-58.932 χ^2/NDF: 121.4/55

All: -209.529+/-41.764 χ^2/NDF: 209.8/114

- sign -110.644+/-59.194 χ^2/NDF: 82.8/58

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 752.363+/-0.128 χ^2/NDF: 3285240.3/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

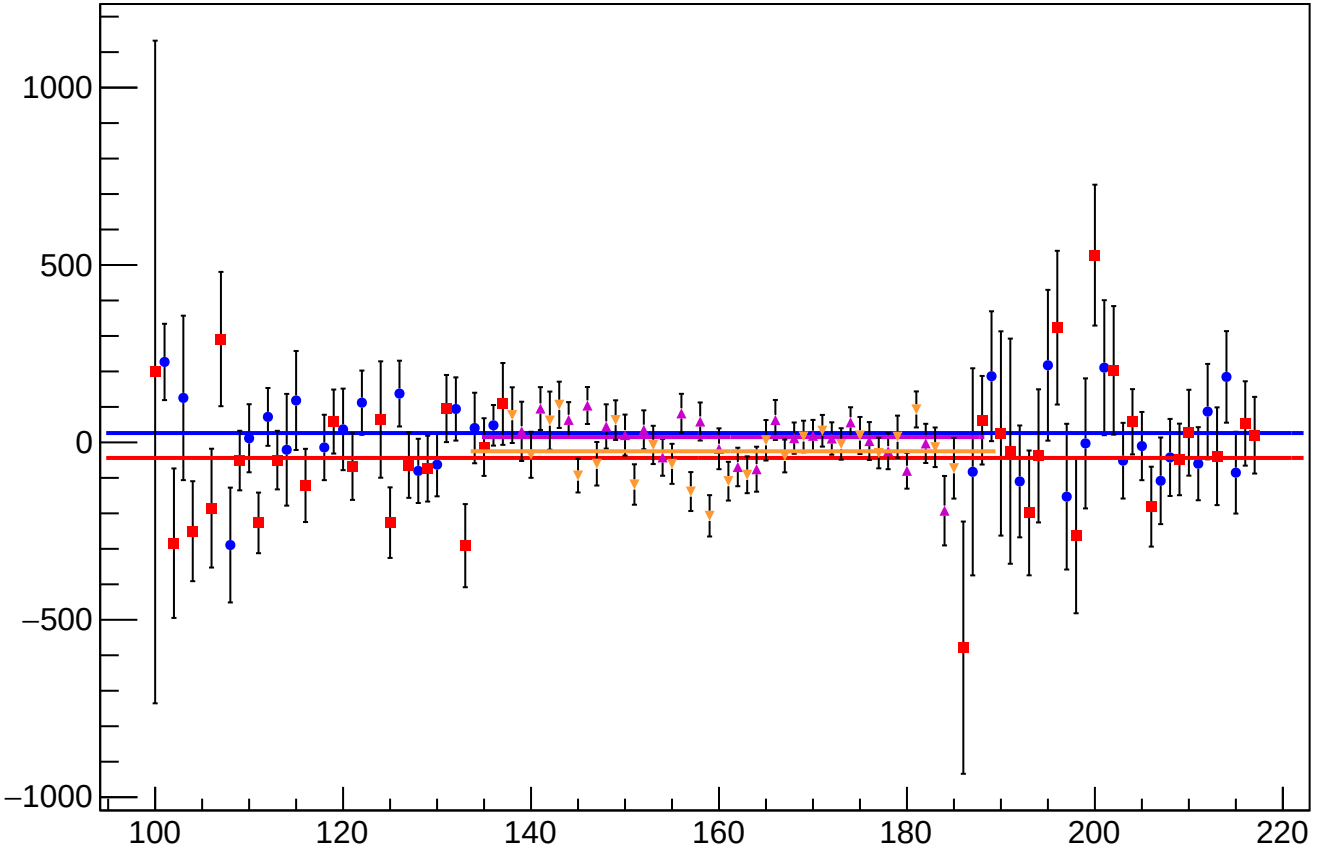
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 314.835+/-0.042 χ^2/NDF: 19319701.2/55

All: 313.678+/-0.030 χ^2/NDF: 40680924.2/11

- sign 312.510+/-0.042 χ^2/NDF: 21359674.2/58

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 26.320+/-19.903 χ^2/NDF: 23.8/30

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -43.824+/-19.991 χ^2/NDF: 48.3/35

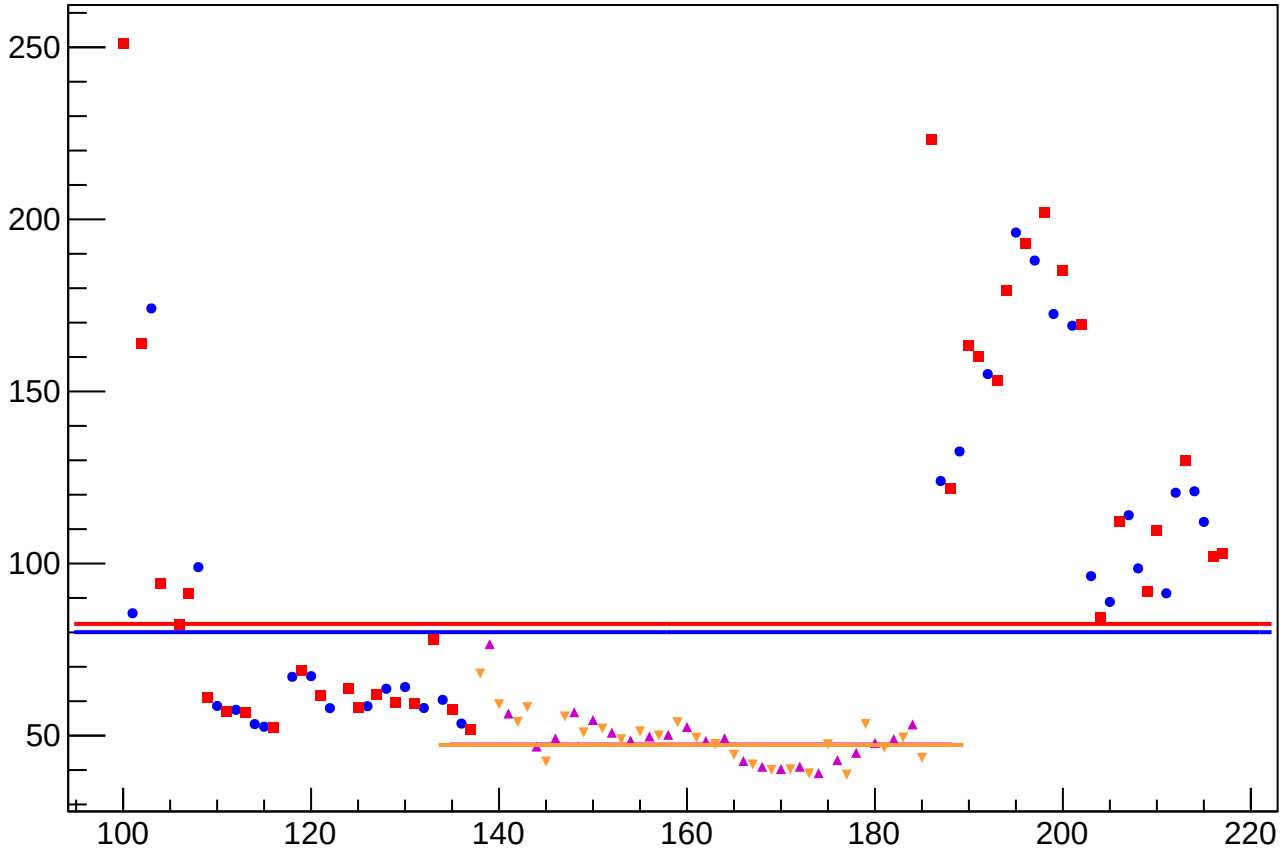
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.168+/-9.552 χ^2/NDF: 72.0/55

All: -6.299+/-6.834 χ^2/NDF: 152.7/114

- sign 0.906+/-9.783 χ^2/NDF: 79.6/58

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 80.059+/-0.014 χ^2/NDF: 5400685.4/30

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

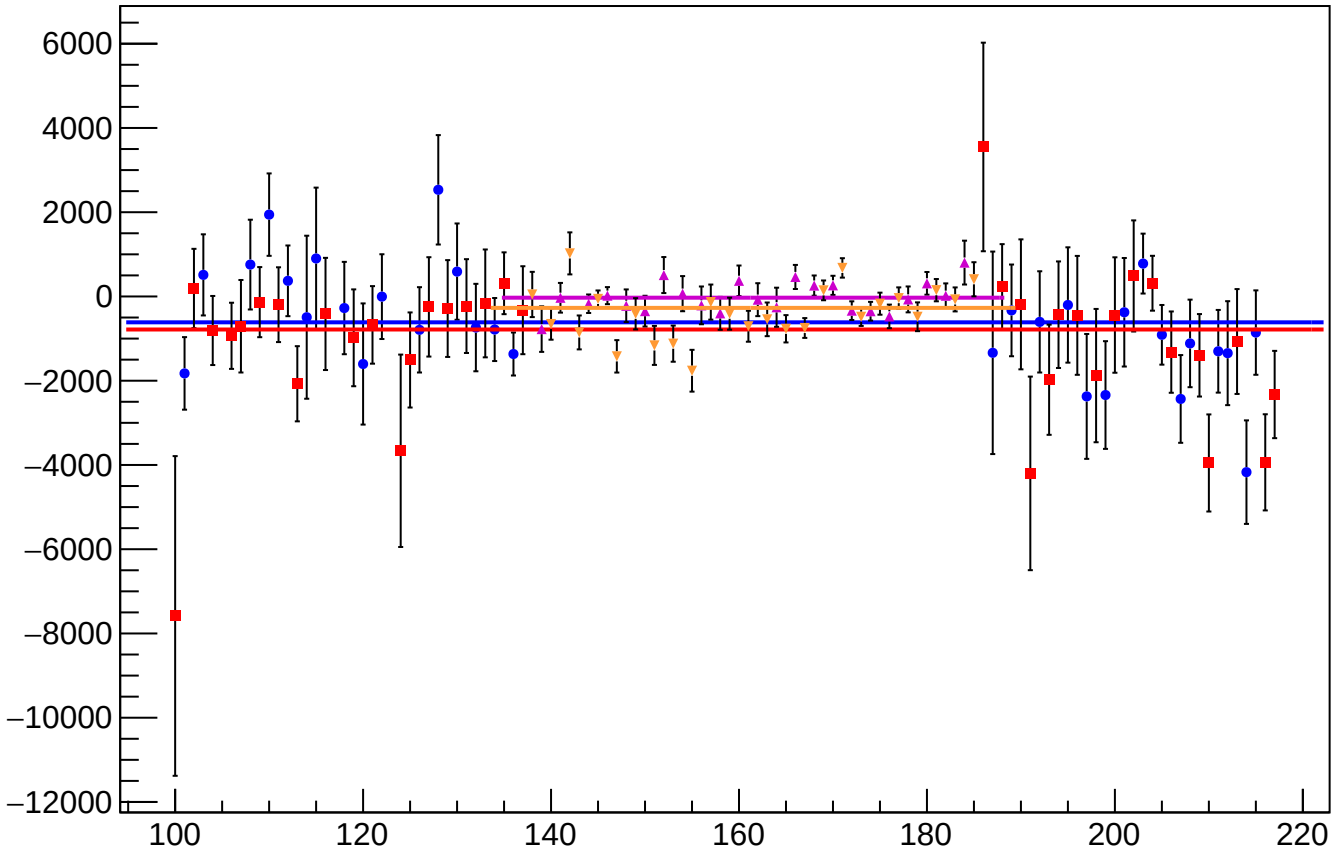
Right Out: 82.459+/-0.014 χ^2/NDF: 6392174.3/35

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.832+/-0.007 χ^2/NDF: 10292112.8/55

All: 55.312+/-0.005 χ^2/NDF: 22022022.2/114

- sign 55.815+/-0.007 χ^2/NDF: 11719567.3/58



Right In: -613.857+/-180.575 χ^2/NDF: 44.3/30

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

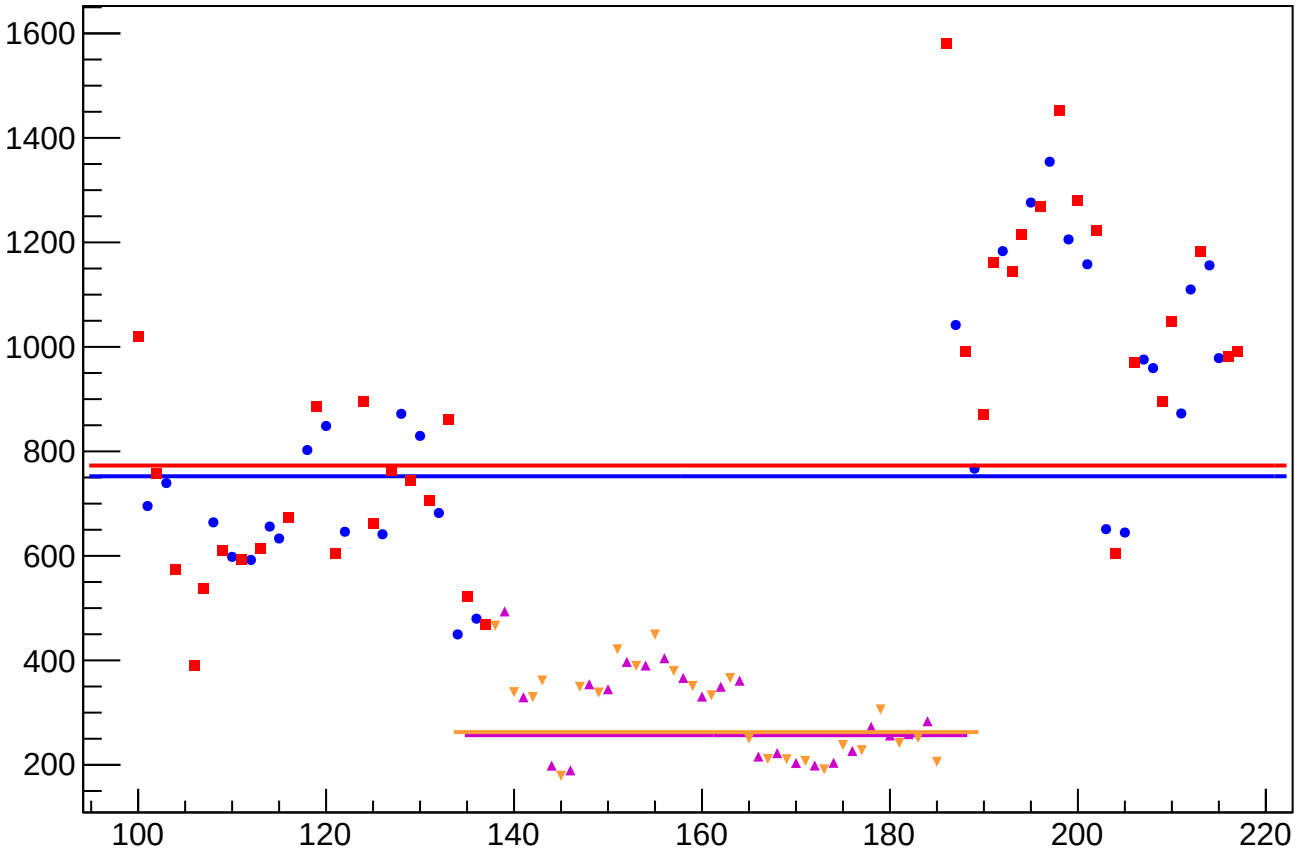
Right Out: -784.213+/-180.232 χ^2/NDF: 42.7/35

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -307.541+/-58.932 χ^2/NDF: 121.4/55

All: -209.529+/-41.764 χ^2/NDF: 209.8/114

- sign -110.644+/-59.194 χ^2/NDF: 82.8/58



Right In: 752.363+/-0.128 χ^2/NDF: 3285240.3/30

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 772.916+/-0.127 χ^2/NDF: 4091279.4/35

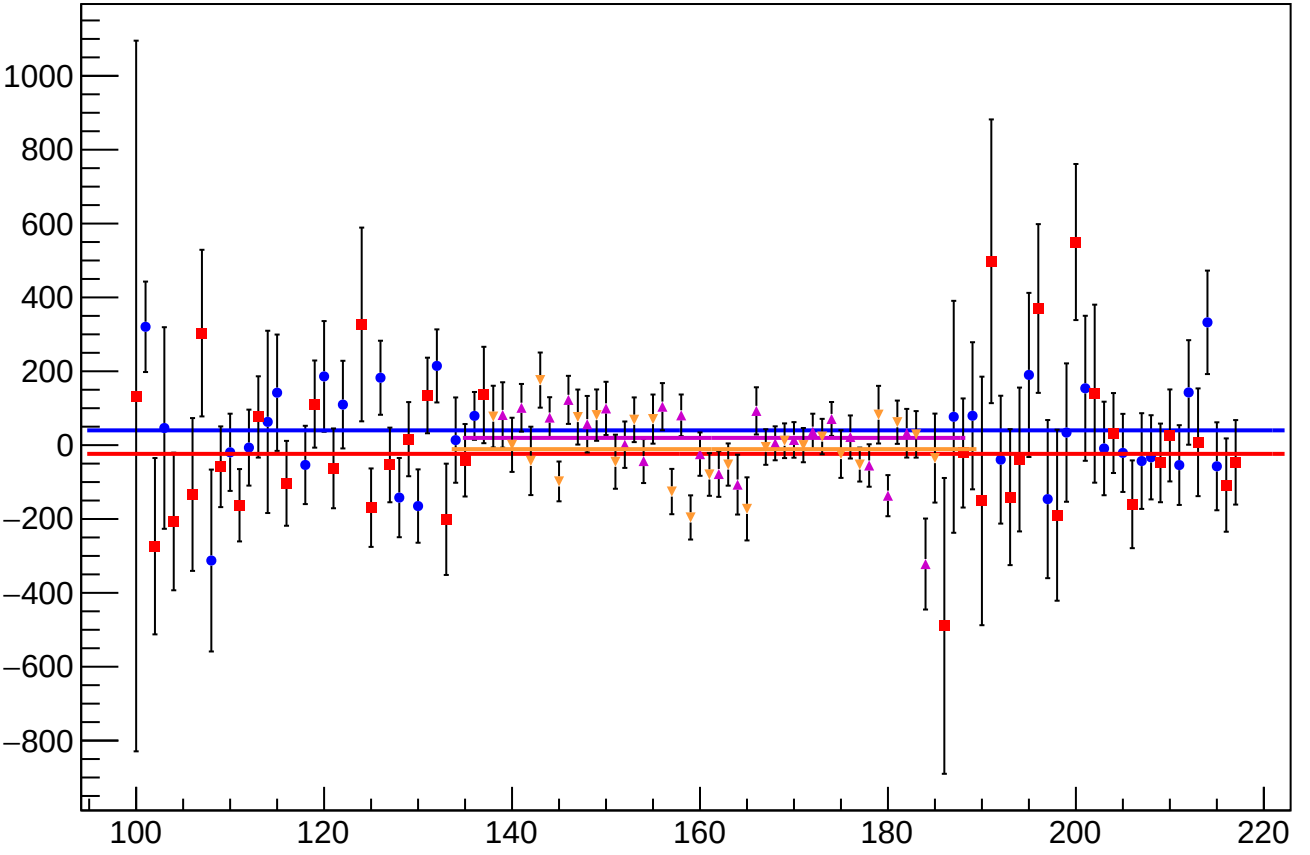
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 314.835+/-0.042 χ^2/NDF: 19319701.2/55

All: 313.678+/-0.030 χ^2/NDF: 40680924.2/11

- sign 312.510+/-0.042 χ^2/NDF: 21359674.2/58

dit_asym_sam_37_dd_mean vs Slug



Right In: 40.022+/-22.600 χ^2/NDF: 32.4/30

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -23.625+/-22.988 χ^2/NDF: 35.9/35

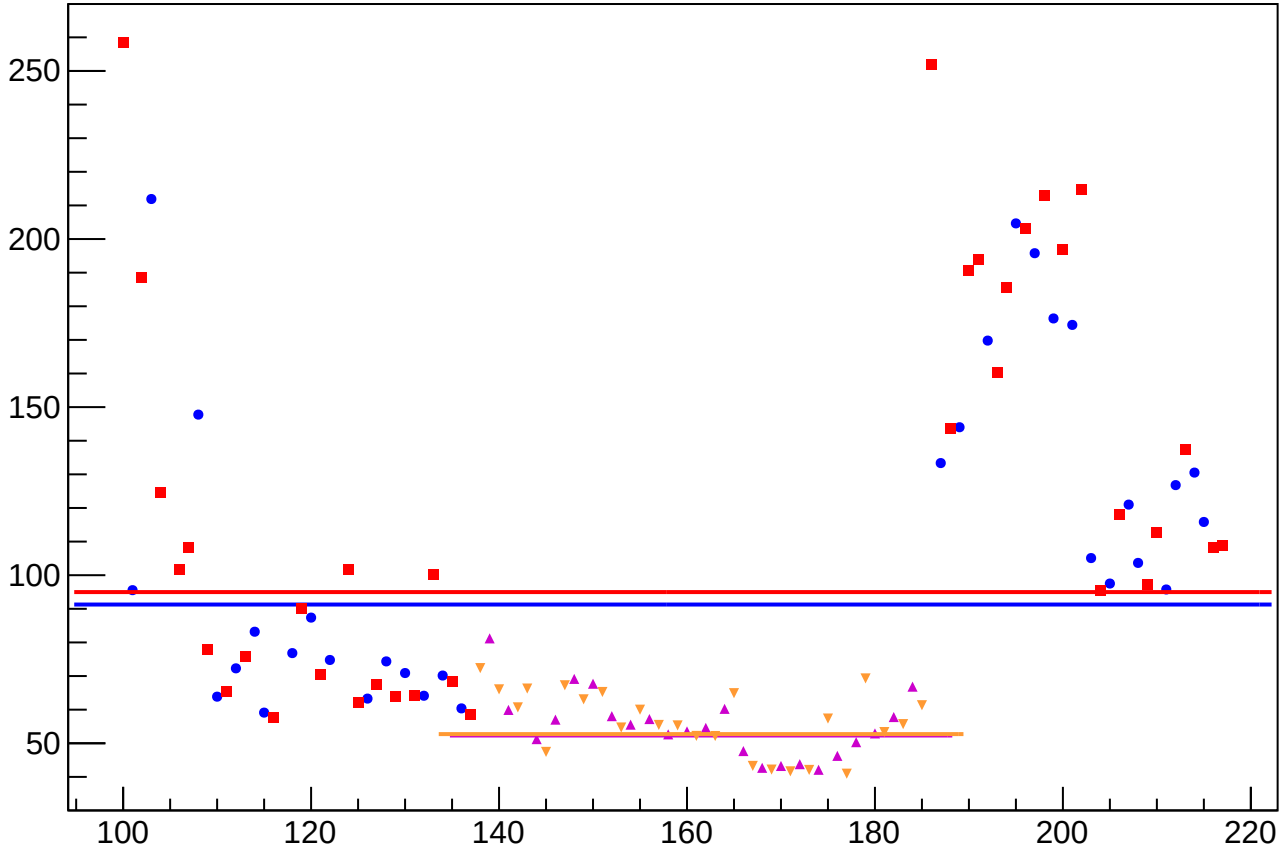
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign 0.805+/-10.808 χ^2/NDF: 76.7/55

All: 5.158+/-7.714 χ^2/NDF: 152.5/114

- sign 9.678+/-11.013 χ^2/NDF: 75.4/58

dit_asym_sam_37_dd_rms vs Slug



Right In: 91.274+/-0.016 χ^2/NDF: 4716413.7/30

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

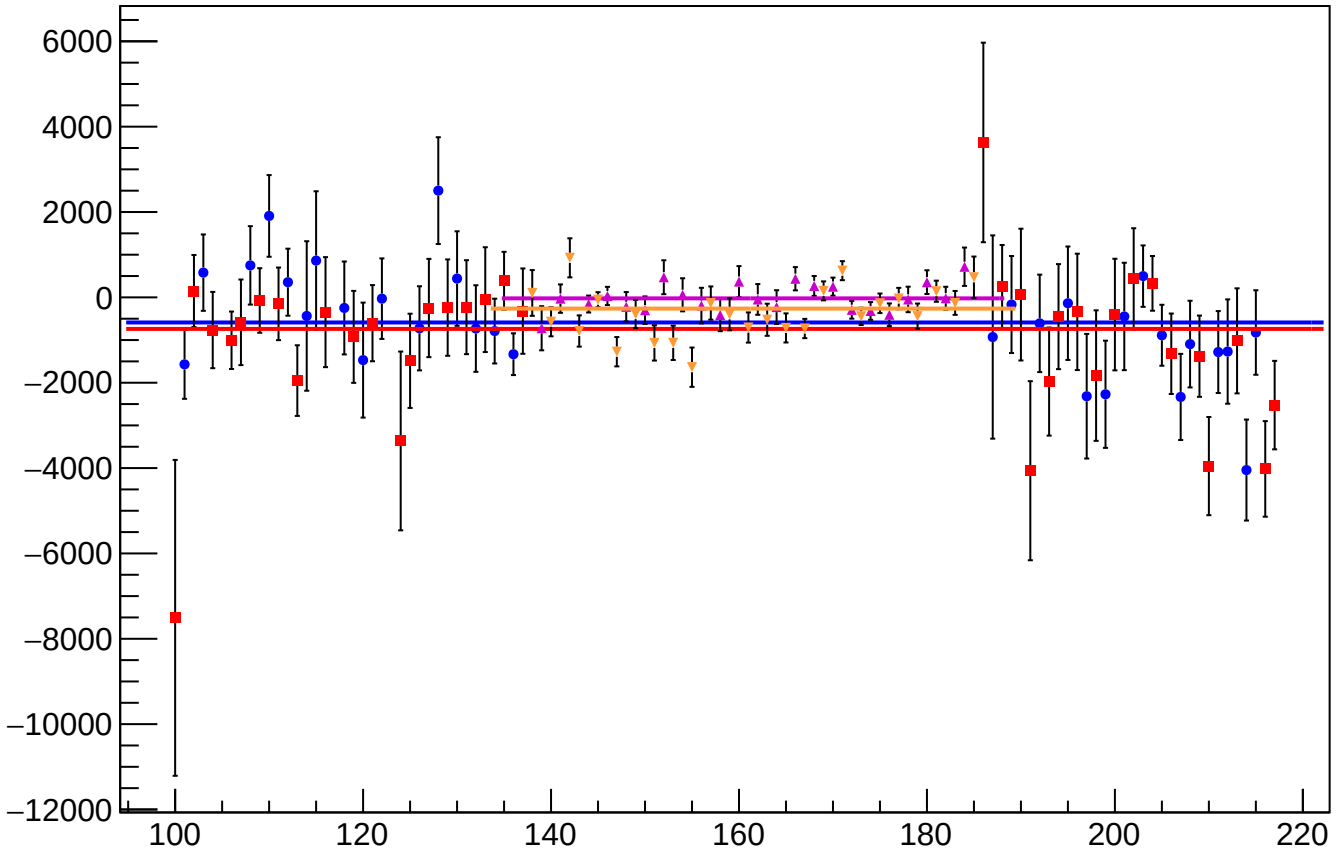
Right Out: 94.978+/-0.016 χ^2/NDF: 5825449.5/35

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 61.545+/-0.008 χ^2/NDF: 10370255.9/55

All: 61.820+/-0.005 χ^2/NDF: 22398169.4/114

- sign 62.105+/-0.008 χ^2/NDF: 12025282.5/58



Right In: -588.112+/-175.089 χ^2/NDF: 43.2/30

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -738.686+/-172.192 χ^2/NDF: 47.0/35

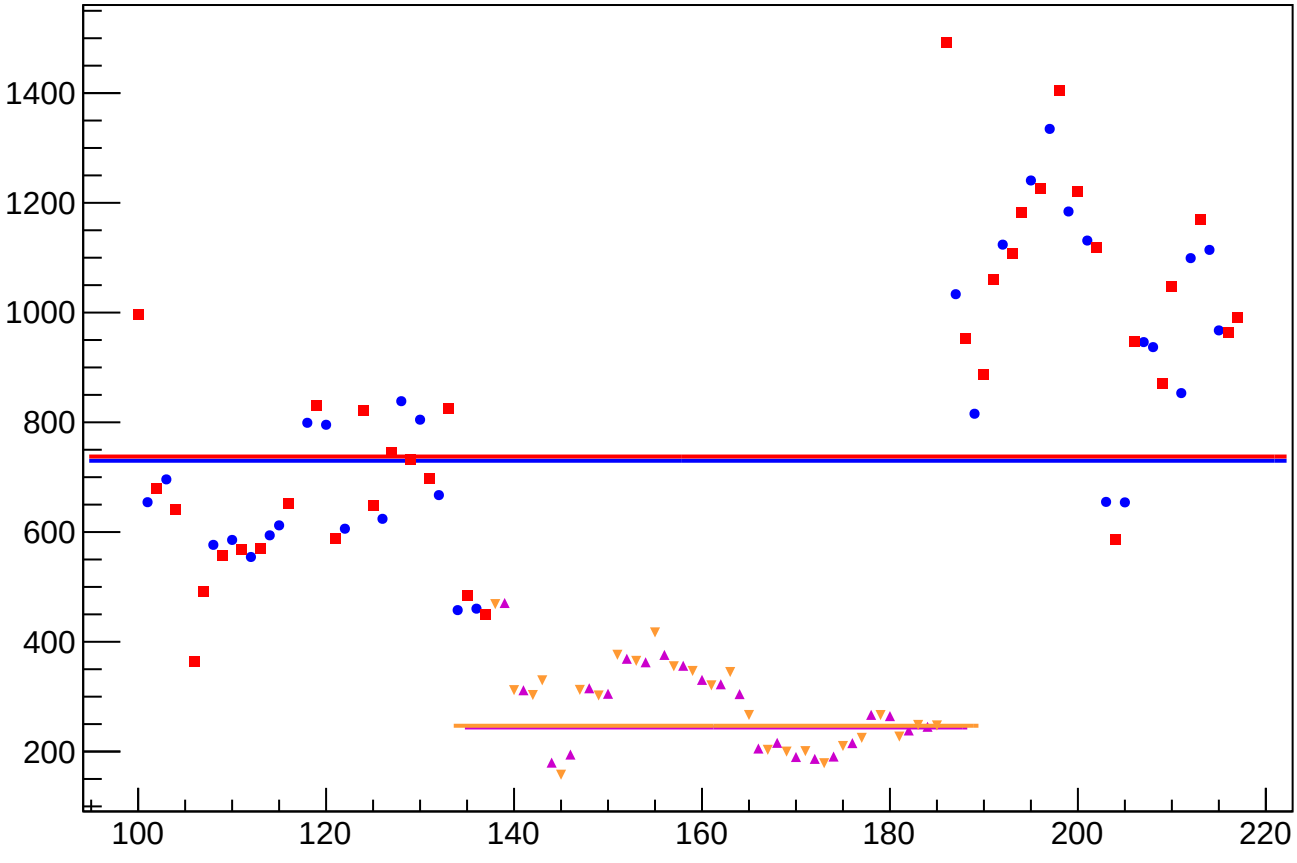
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -295.273+/-55.486 χ^2/NDF: 118.5/55

All: -198.562+/-39.467 χ^2/NDF: 211.3/114

- sign -99.521+/-56.150 χ^2/NDF: 86.6/58

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 729.957+/-0.124 χ^2/NDF: 3357225.6/30

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 737.647+/-0.122 χ^2/NDF: 4375812.1/35

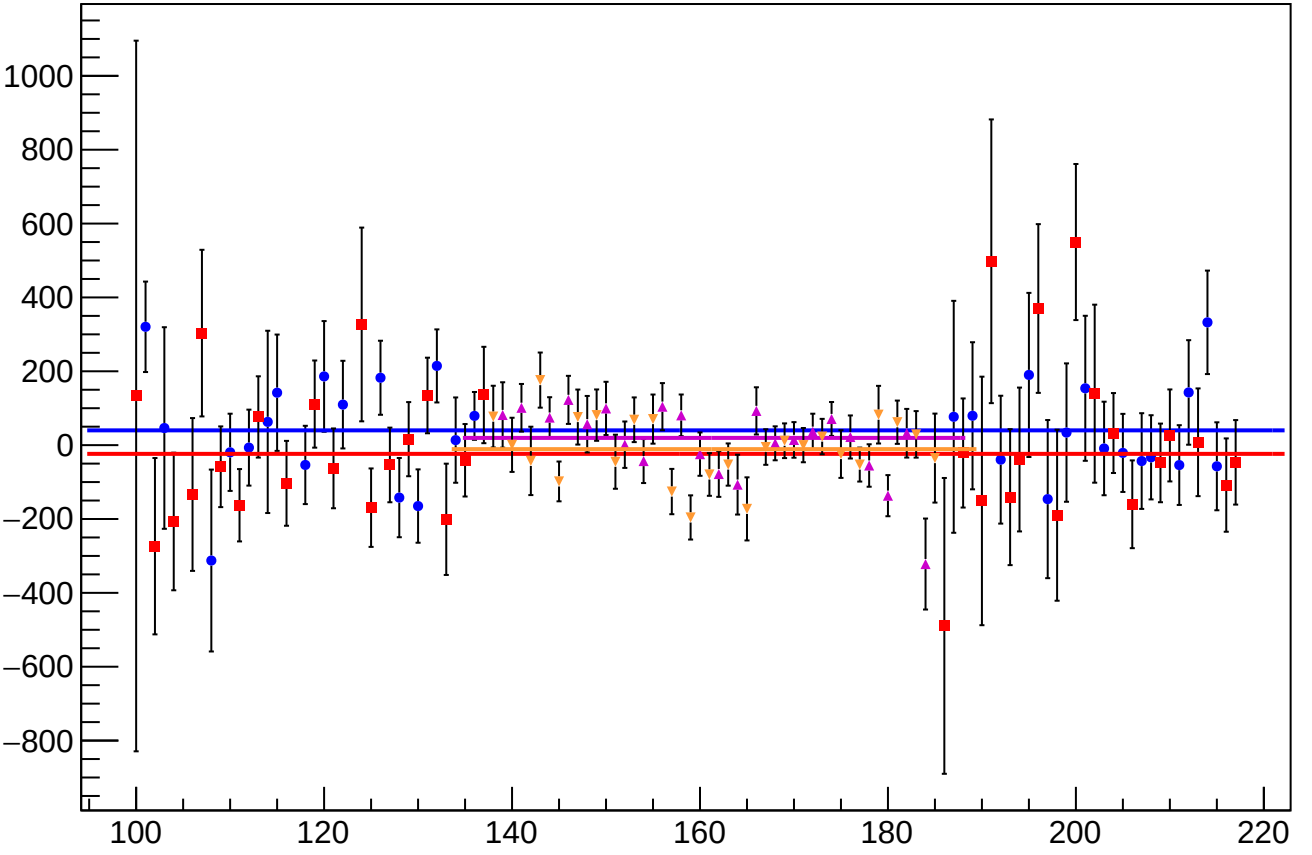
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 295.497+/-0.039 χ^2/NDF: 19971986.8/55

All: 295.911+/-0.028 χ^2/NDF: 41538598.8/11

- sign 296.335+/-0.040 χ^2/NDF: 21566386.6/58

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 40.023+/-22.600 χ^2/NDF: 32.4/30

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -23.624+/-22.988 χ^2/NDF: 35.9/35

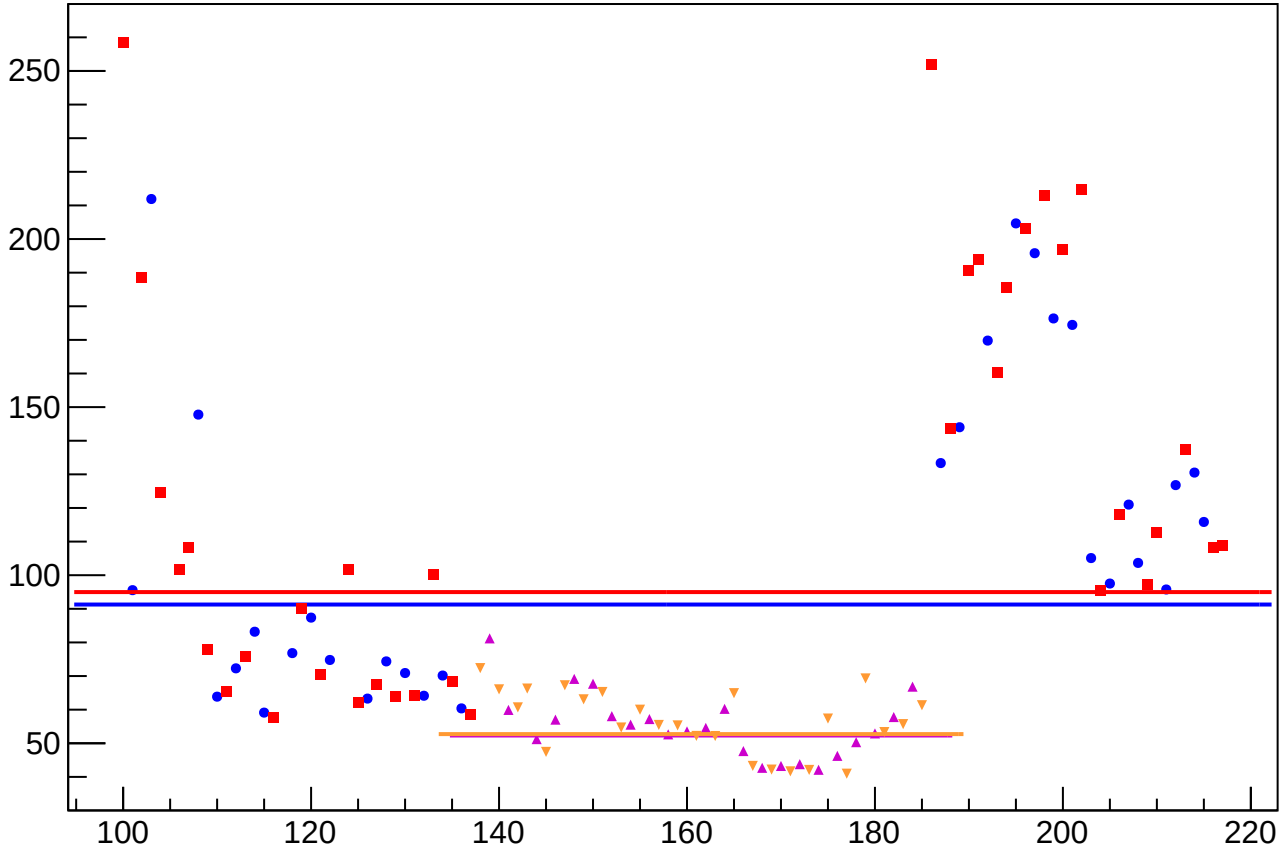
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign 0.805+/-10.808 χ^2/NDF: 76.7/55

All: 5.159+/-7.714 χ^2/NDF: 152.5/114

\- sign 9.679+/-11.013 χ^2/NDF: 75.4/58

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 91.274+/-0.016 χ^2/NDF: 4716448.4/30

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

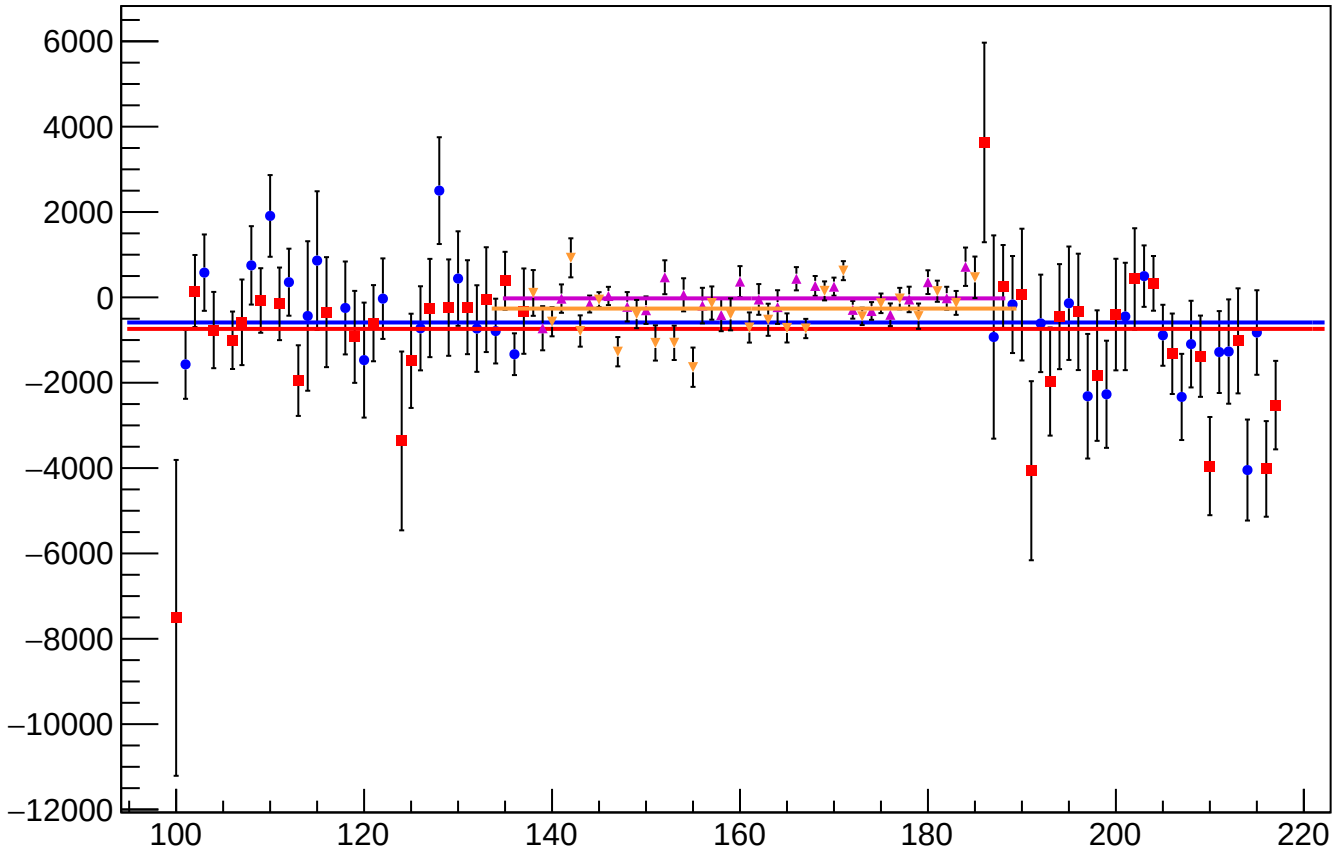
Right Out: 94.978+/-0.016 χ^2/NDF: 5825454.3/35

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 61.545+/-0.008 χ^2/NDF: 10370275.6/55

All: 61.820+/-0.005 χ^2/NDF: 22398169.3/114

- sign 62.105+/-0.008 χ^2/NDF: 12025262.8/58



Right In: -588.112+/-175.089 χ^2/NDF: 43.2/30

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

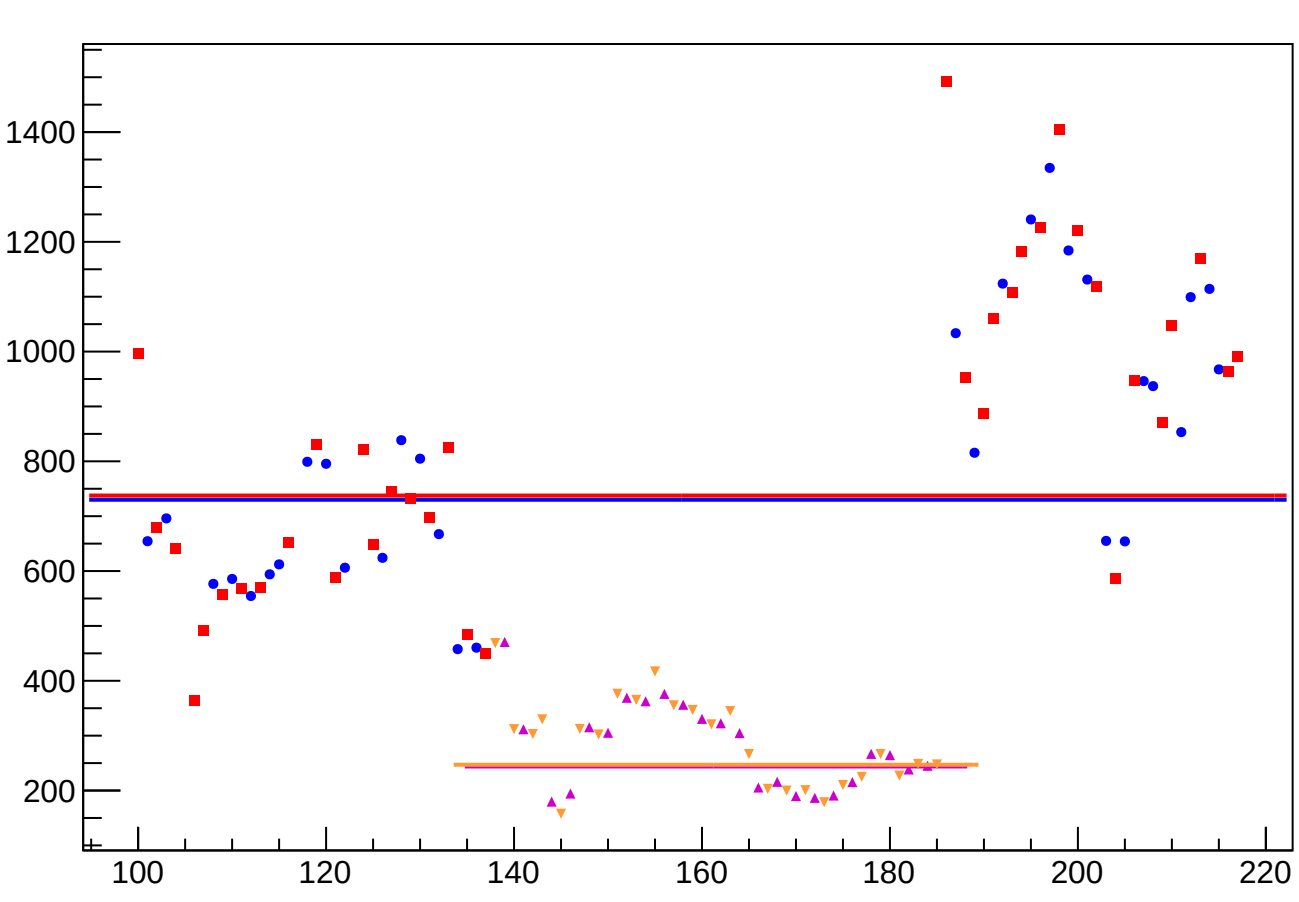
Right Out: -738.685+/-172.192 χ^2/NDF: 47.0/35

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -295.273+/-55.486 χ^2/NDF: 118.5/55

All: -198.562+/-39.467 χ^2/NDF: 211.3/114

- sign -99.521+/-56.150 χ^2/NDF: 86.6/58



Right In: 729.957+/-0.124 χ^2/NDF: 3357204.6/30

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 737.647+/-0.122 χ^2/NDF: 4375801.6/35

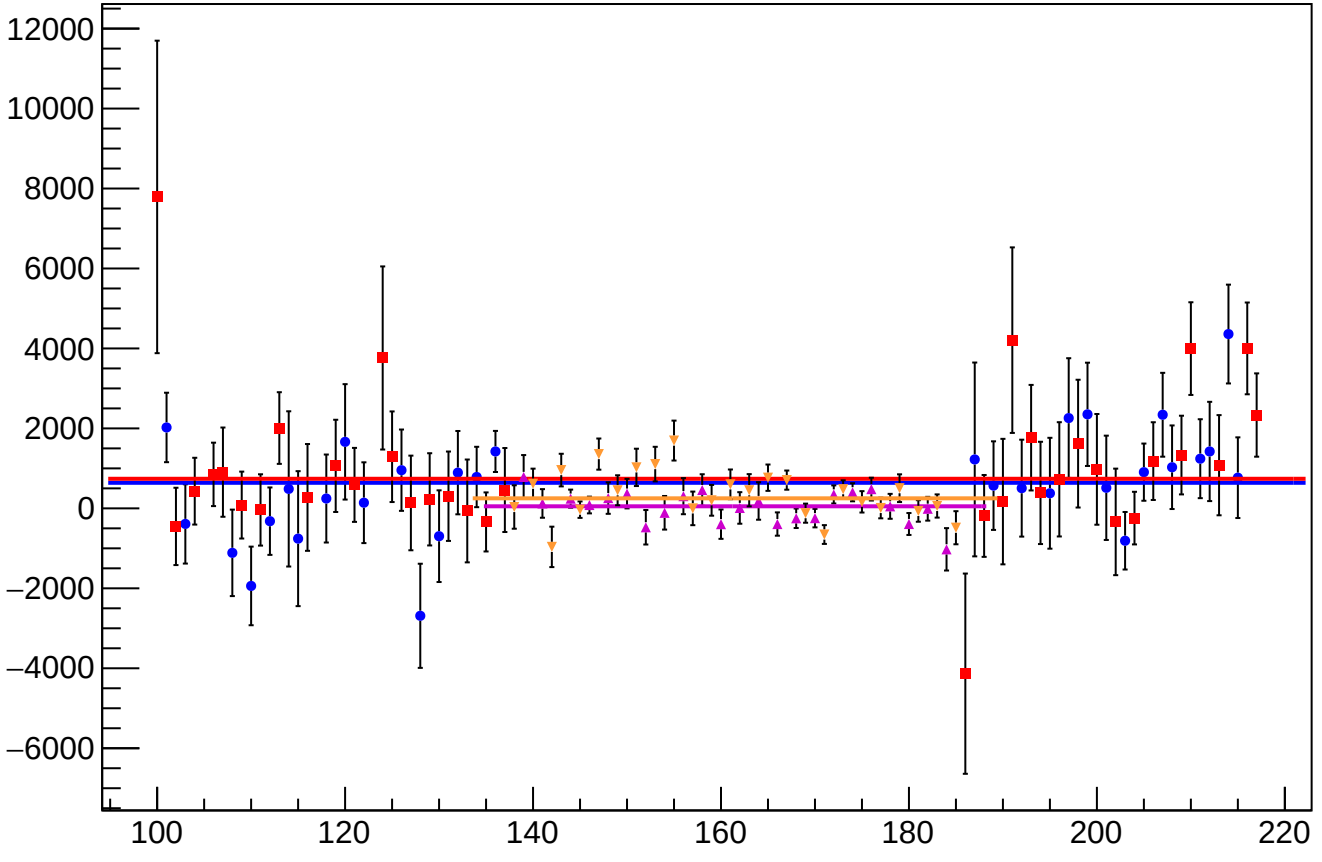
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 295.497+/-0.039 χ^2/NDF: 19971970.9/55

All: 295.911+/-0.028 χ^2/NDF: 41538574.7/11

- sign 296.335+/-0.040 χ^2/NDF: 21566378.6/58

asym_sam_37_dd_mean vs Slug



Right In: 639.635+/-182.092 χ^2/NDF: 46.3/30

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 739.999+/-181.763 χ^2/NDF: 43.6/35

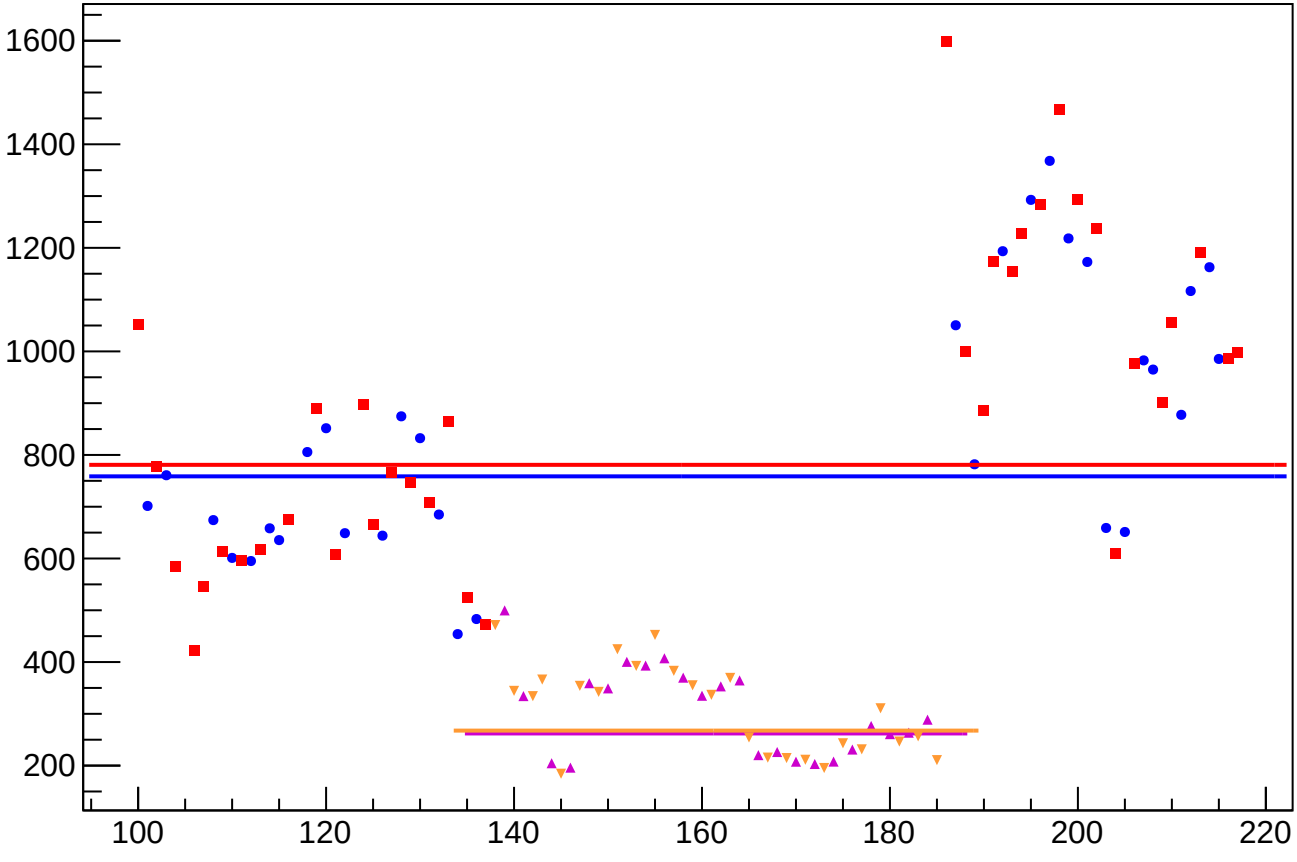
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 293.145+/-59.894 χ^2/NDF: 117.9/55

All: 210.692+/-42.472 χ^2/NDF: 204.8/114

- sign 127.297+/-60.235 χ^2/NDF: 83.2/58

asym_sam_37_dd_rms vs Slug



Right In: 758.652+/-0.129 χ^2/NDF: 3291457.7/30

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

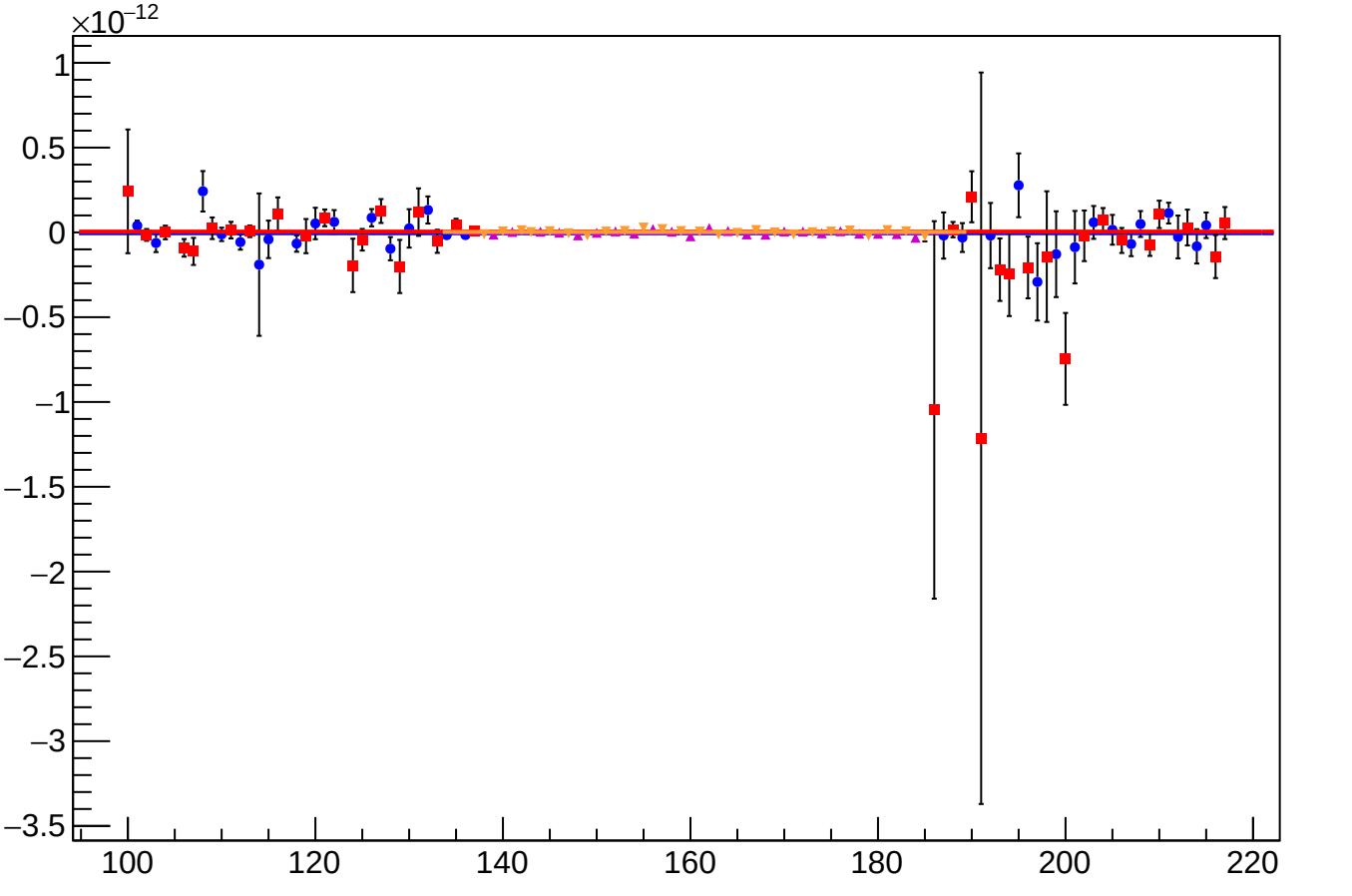
Right Out: 780.885+/-0.129 χ^2/NDF: 4029230.8/35

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 320.718+/-0.042 χ^2/NDF: 19064578.7/55

All: 319.897+/-0.030 χ^2/NDF: 40135852.8/11

- sign 319.068+/-0.043 χ^2/NDF: 21070519.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

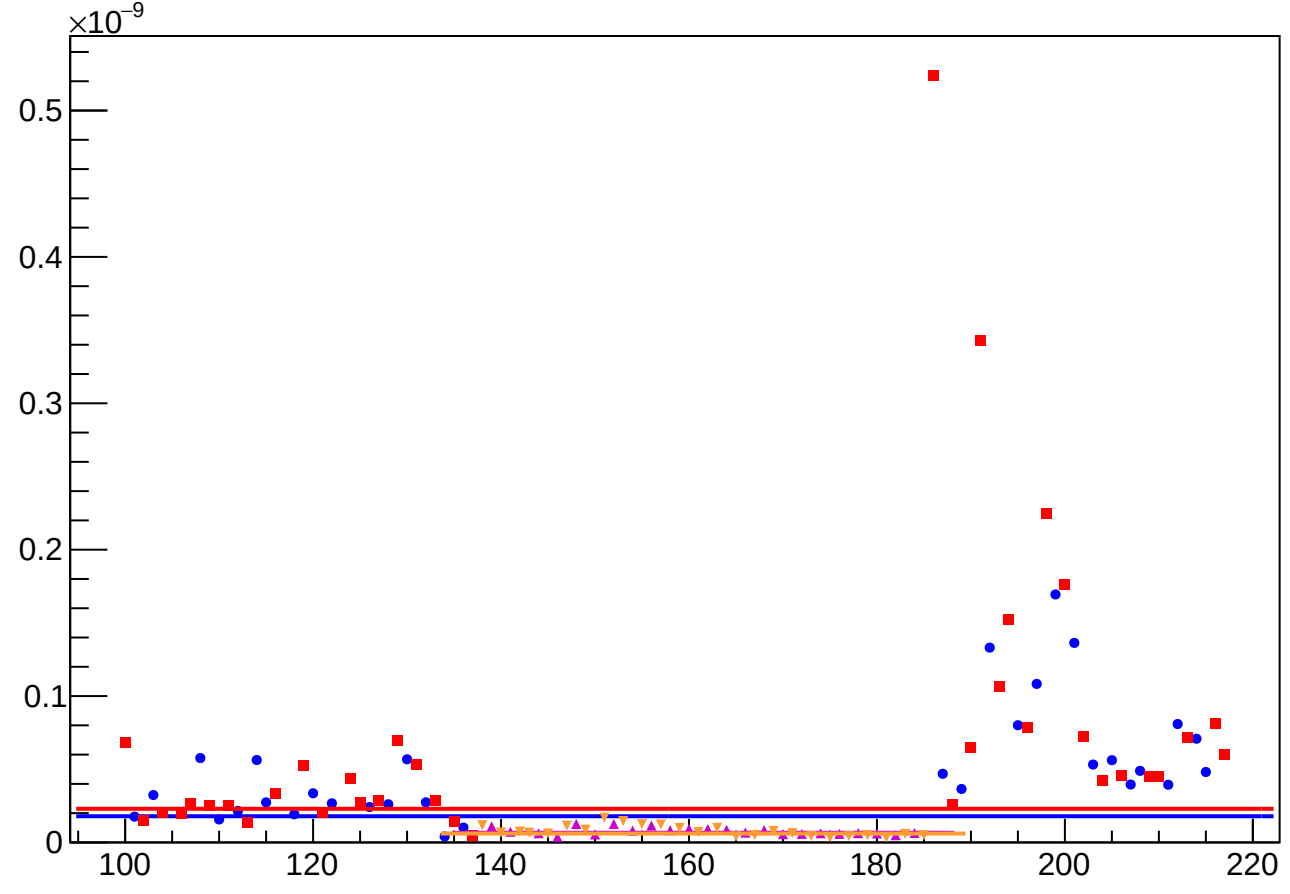
Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/35

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.8/55

All: 0.000+/-0.000 χ^2/NDF: 101.9/114

- sign -0.000+/-0.000 χ^2/NDF: 53.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8136824.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7169897.5/35

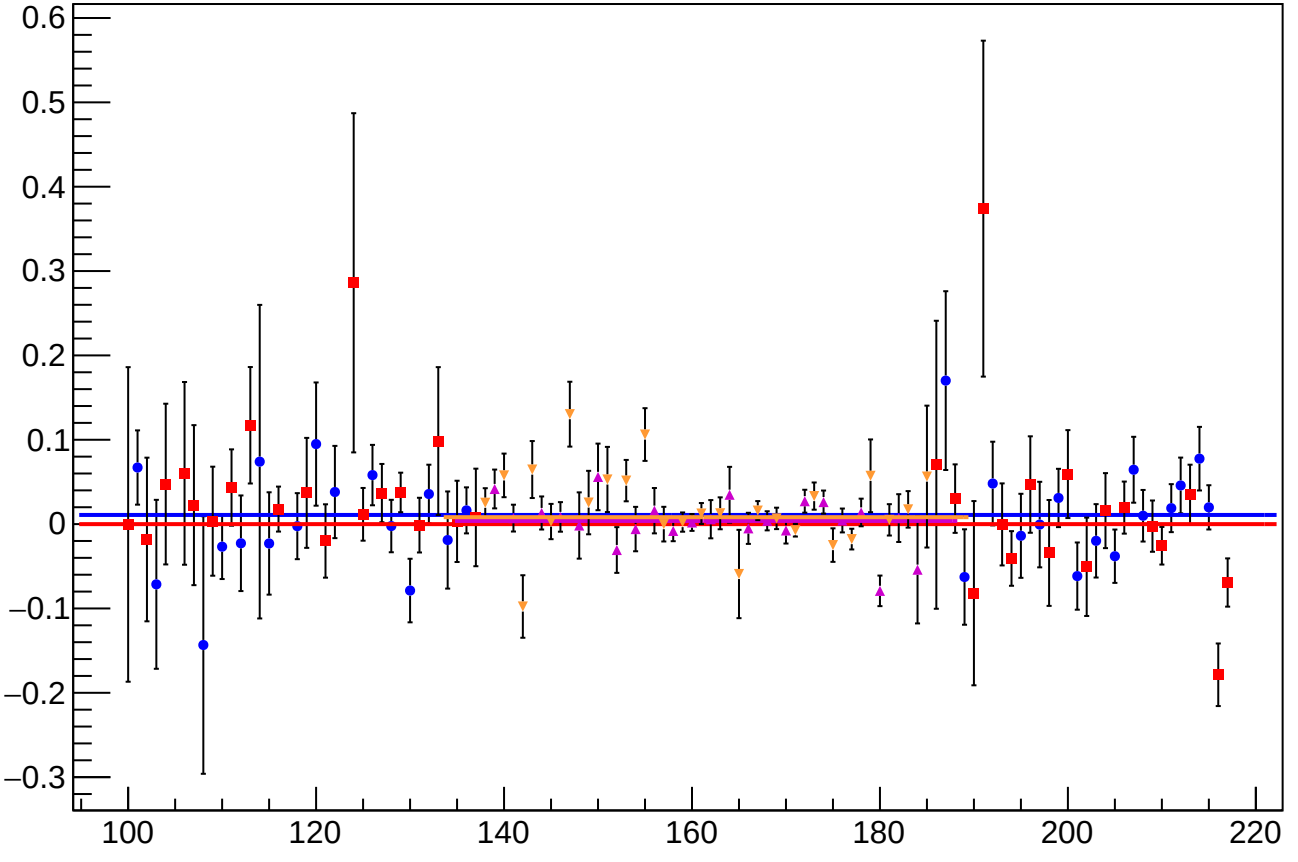
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13899903.7/55

All: 0.000+/-0.000 χ^2/NDF: 26963855.4/114

- sign 0.000+/-0.000 χ^2/NDF: 12980662.4/58

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

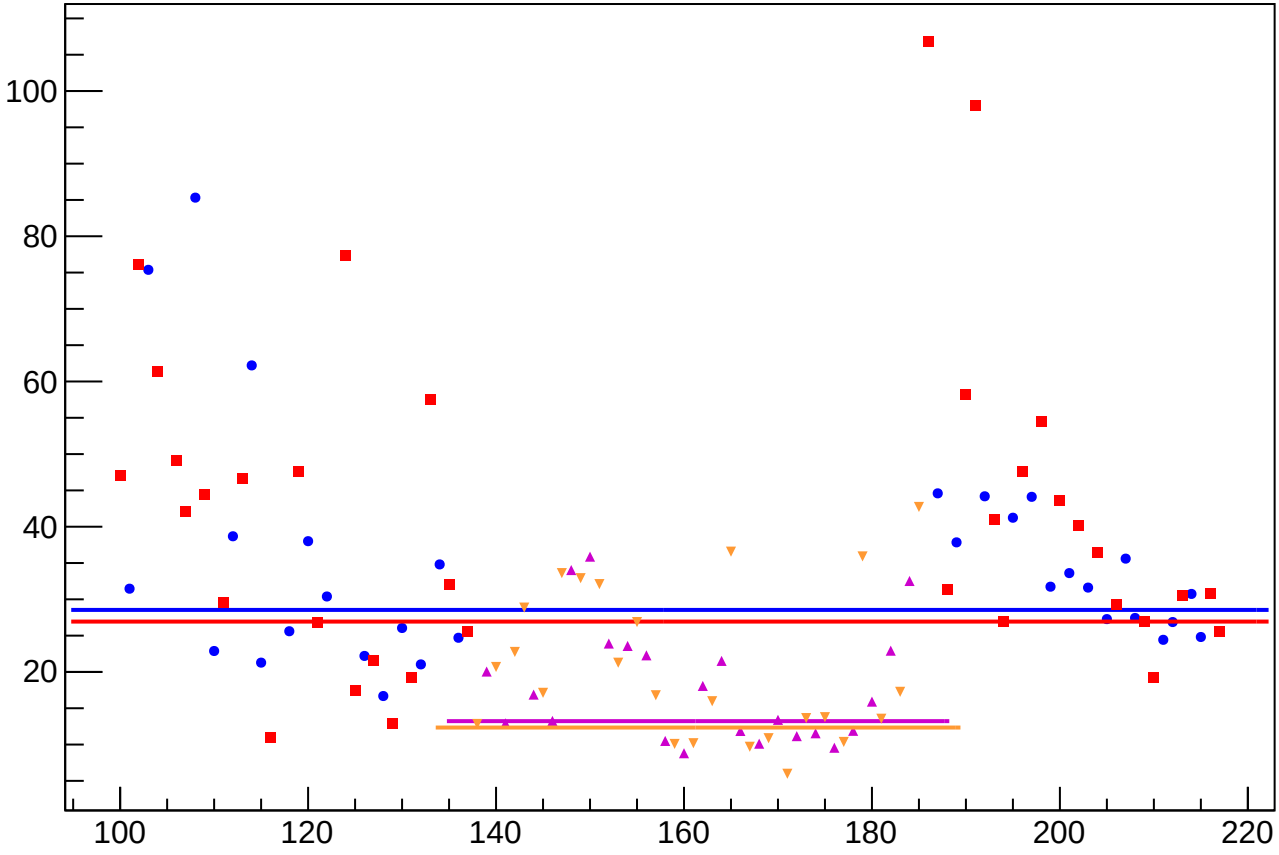
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.7/55

All: 0.006+/-0.002 χ^2/NDF: 184.7/114

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.542+/-0.005 χ^2/NDF: 2333384.0/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

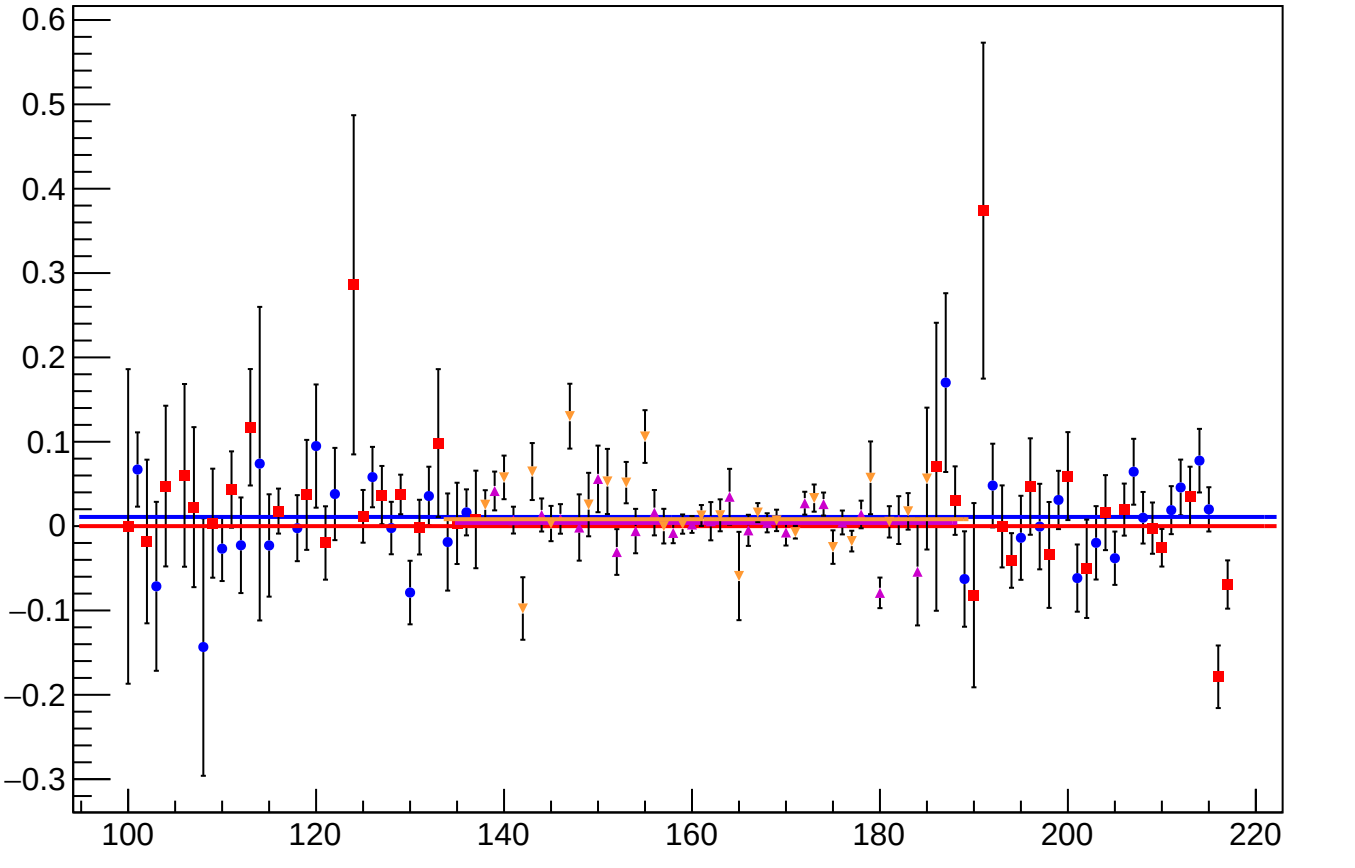
Right Out: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.304+/-0.002 χ^2/NDF: 17118003.2/55

All: 15.672+/-0.002 χ^2/NDF: 32964852.6/114

- sign 16.068+/-0.002 χ^2/NDF: 15789067.4/58



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

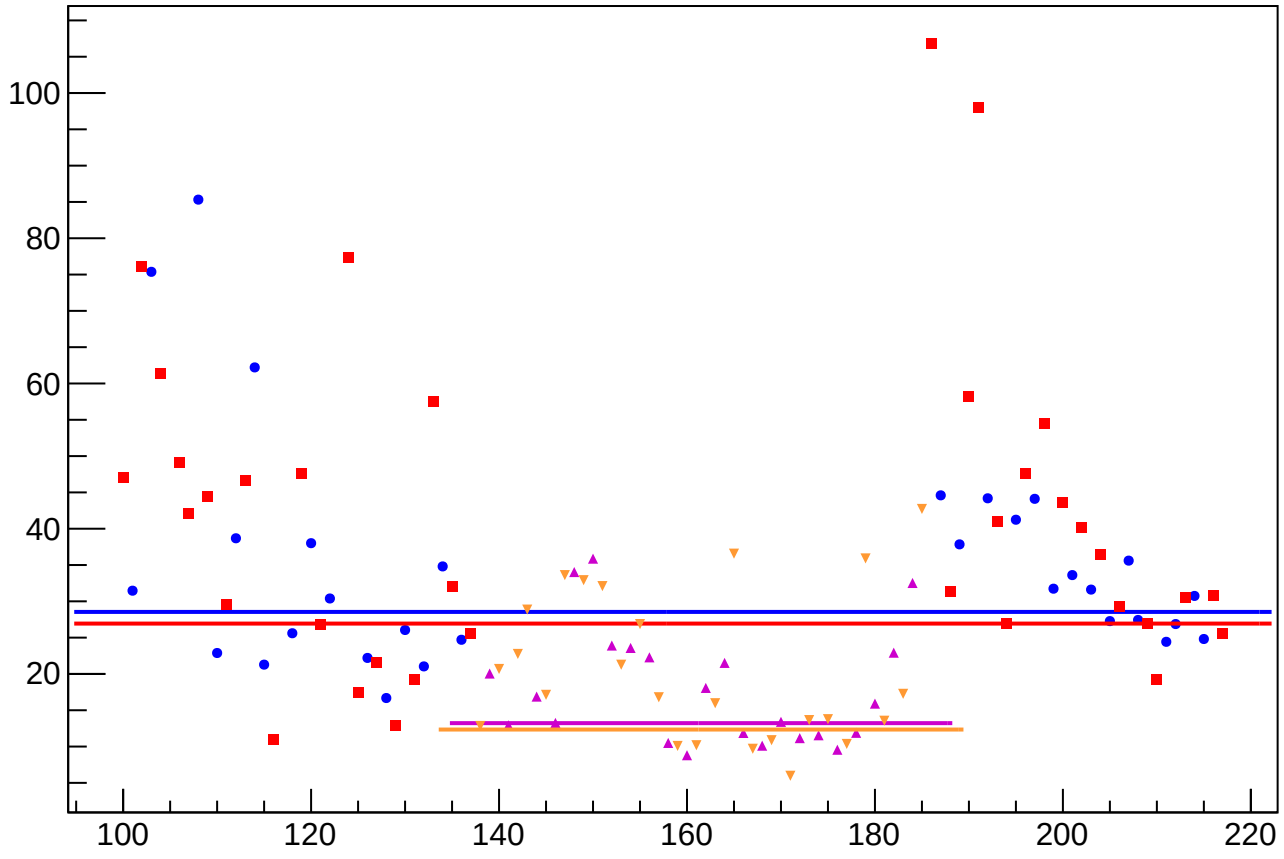
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.7/55

All: 0.006+/-0.002 χ^2/NDF: 184.7/114

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.542+/-0.005 χ^2/NDF: 2333384.0/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

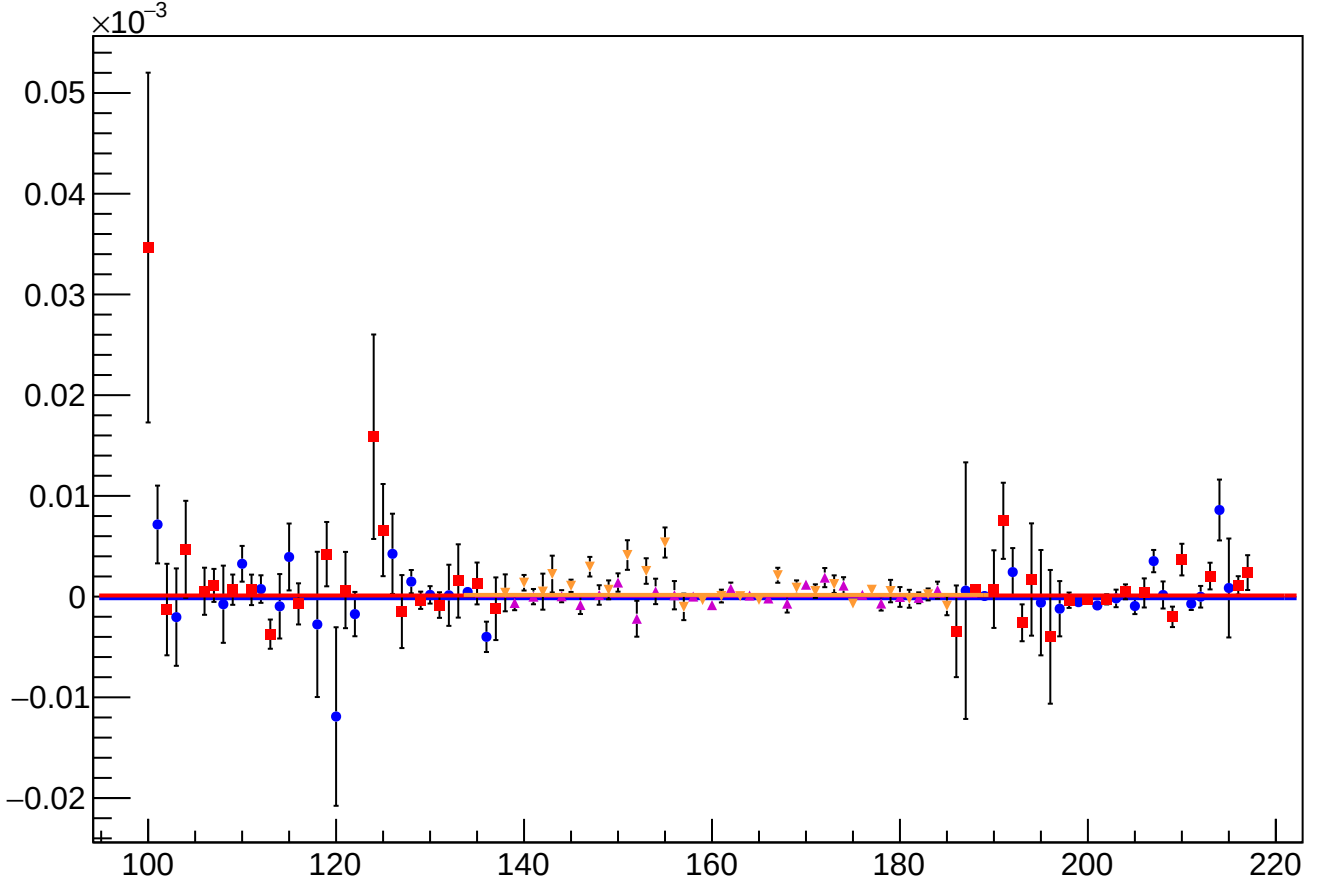
Right Out: 26.935+/-0.005 χ^2/NDF: 6014144.6/35

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.304+/-0.002 χ^2/NDF: 17118003.2/55

All: 15.672+/-0.002 χ^2/NDF: 32964852.6/114

- sign 16.068+/-0.002 χ^2/NDF: 15789067.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 51.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

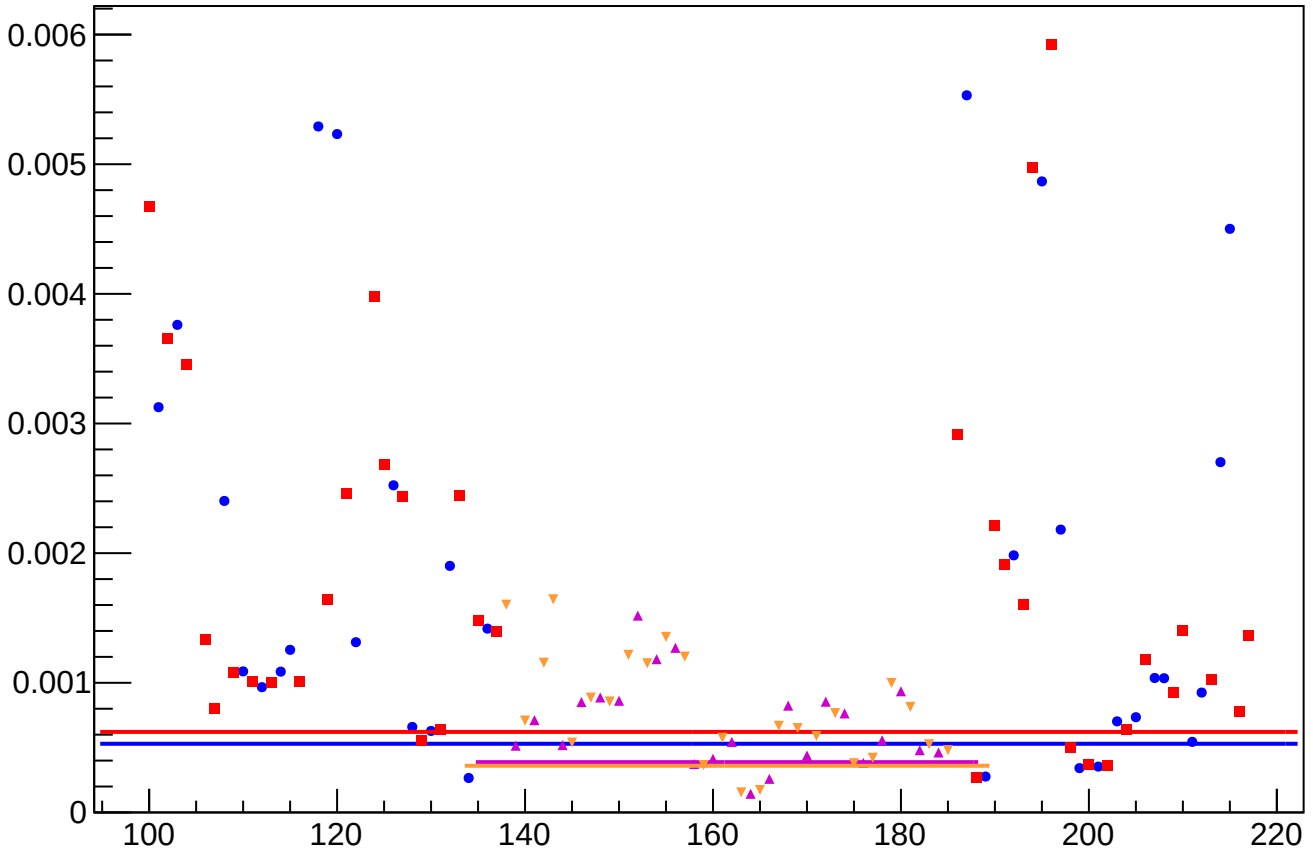
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/35

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.2/55

All: 0.000+/-0.000 χ^2/NDF: 185.8/114

- sign 0.000+/-0.000 χ^2/NDF: 70.6/58



Right In: 0.001+/-0.000 χ^2/NDF: 14987583.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

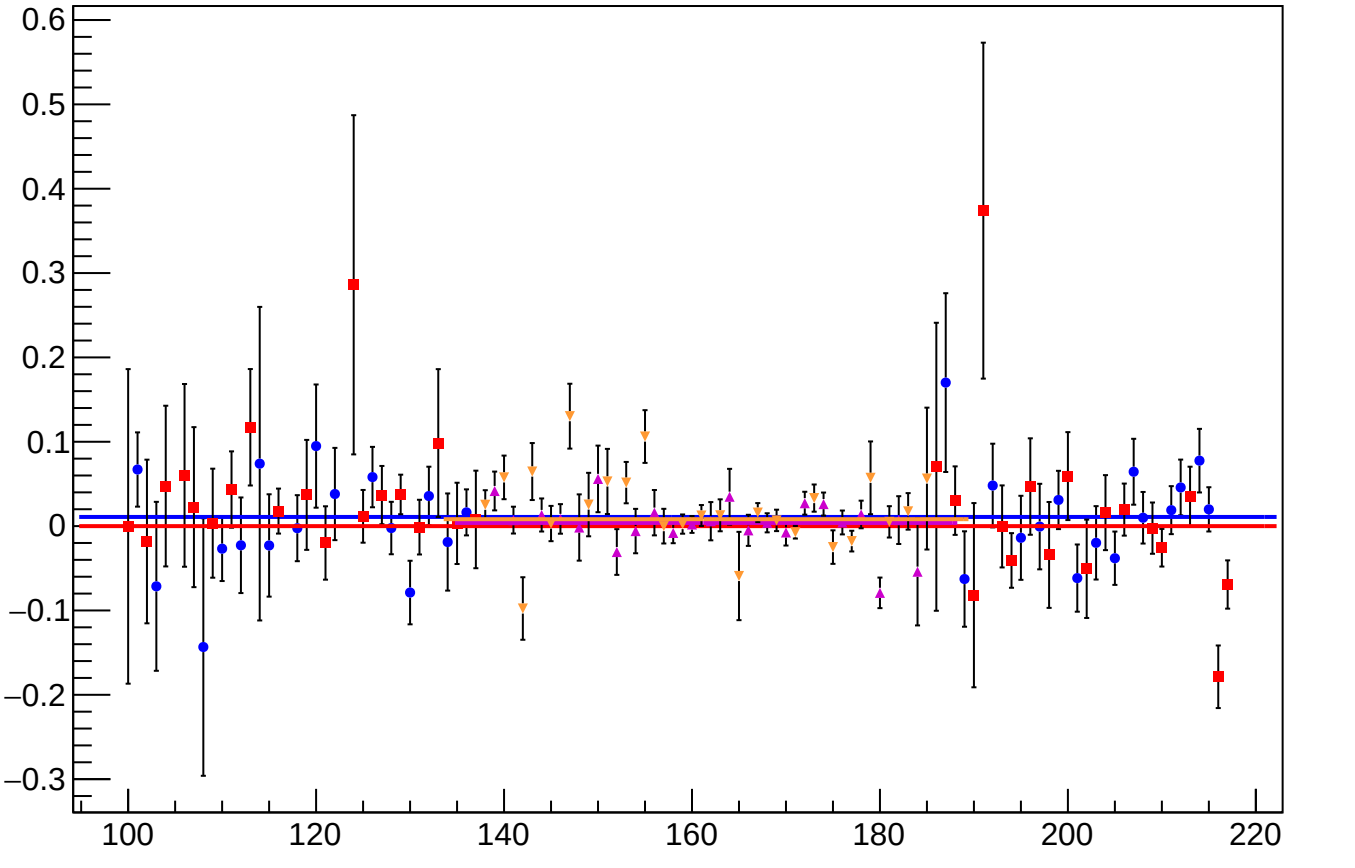
Right Out: 0.001+/-0.000 χ^2/NDF: 13477698.1/35

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 30474049.3/55

All: 0.000+/-0.000 χ^2/NDF: 56850897.2/114

- sign 0.000+/-0.000 χ^2/NDF: 26181418.7/58



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

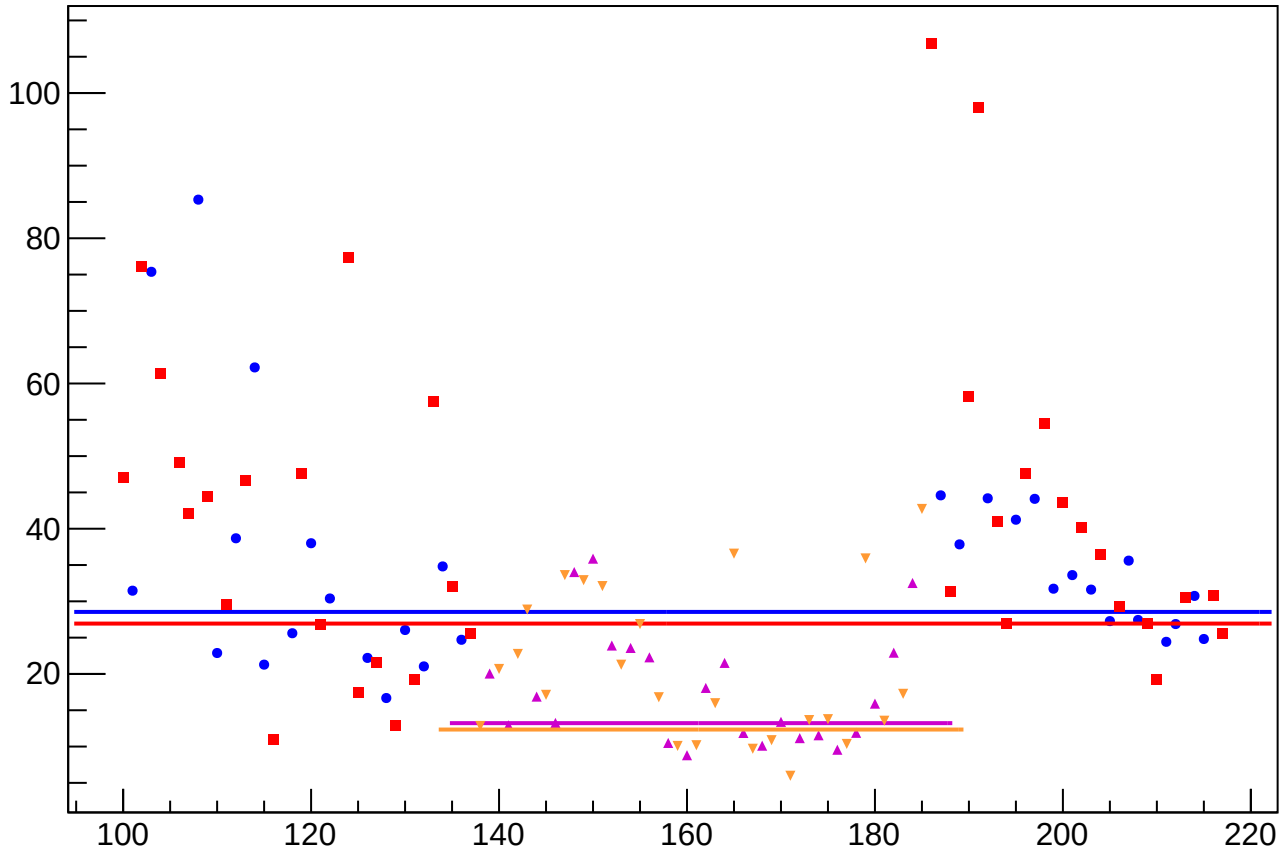
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.7/55

All: 0.006+/-0.002 χ^2/NDF: 184.7/114

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

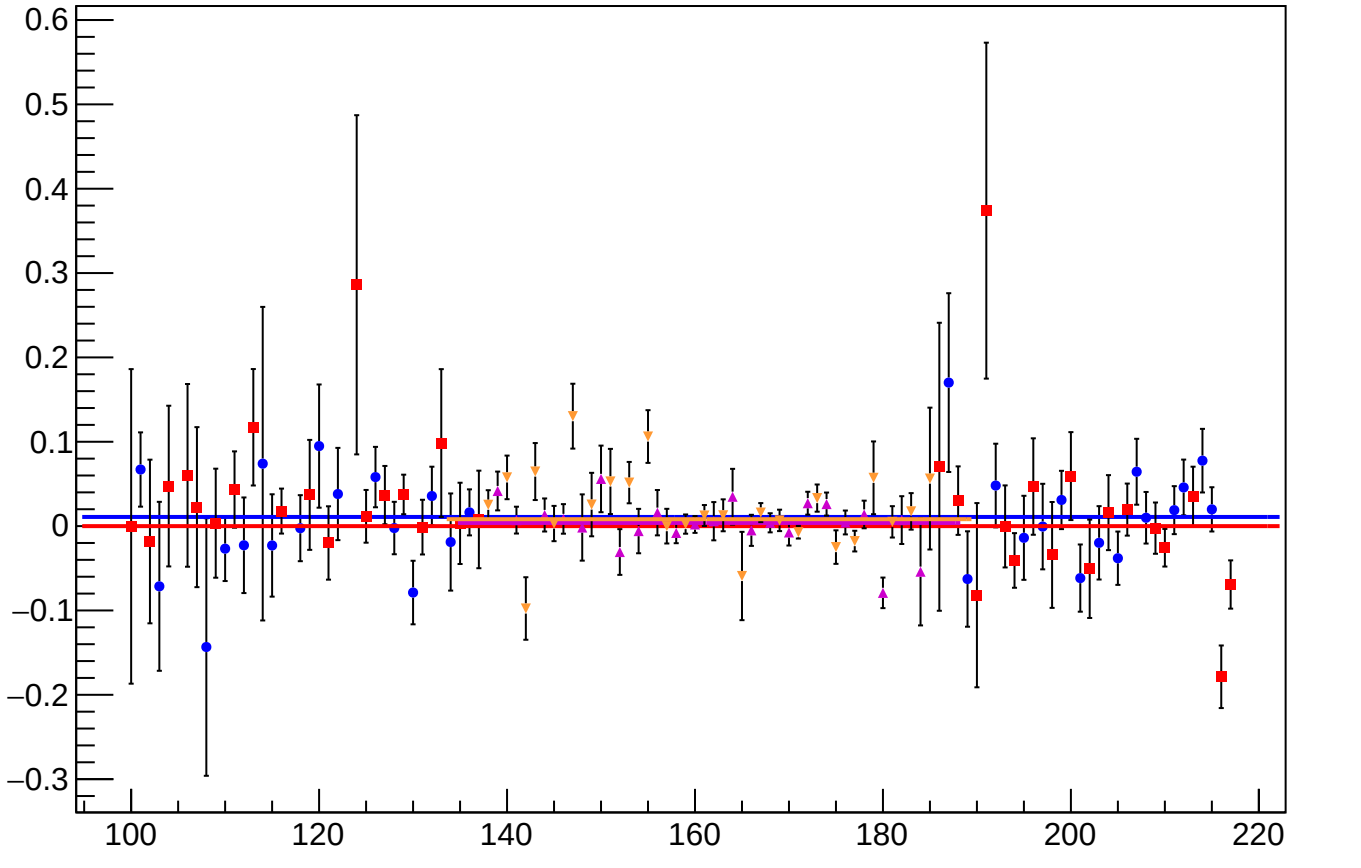
Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 15.304+/-0.002 χ^2/NDF: 17118326.3/55

All: 15.673+/-0.002 χ^2/NDF: 32965298.6/114

\- sign 16.068+/-0.002 χ^2/NDF: 15789194.1/58



Right In: 0.011+/-0.007 χ^2/NDF: 32.8/30

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

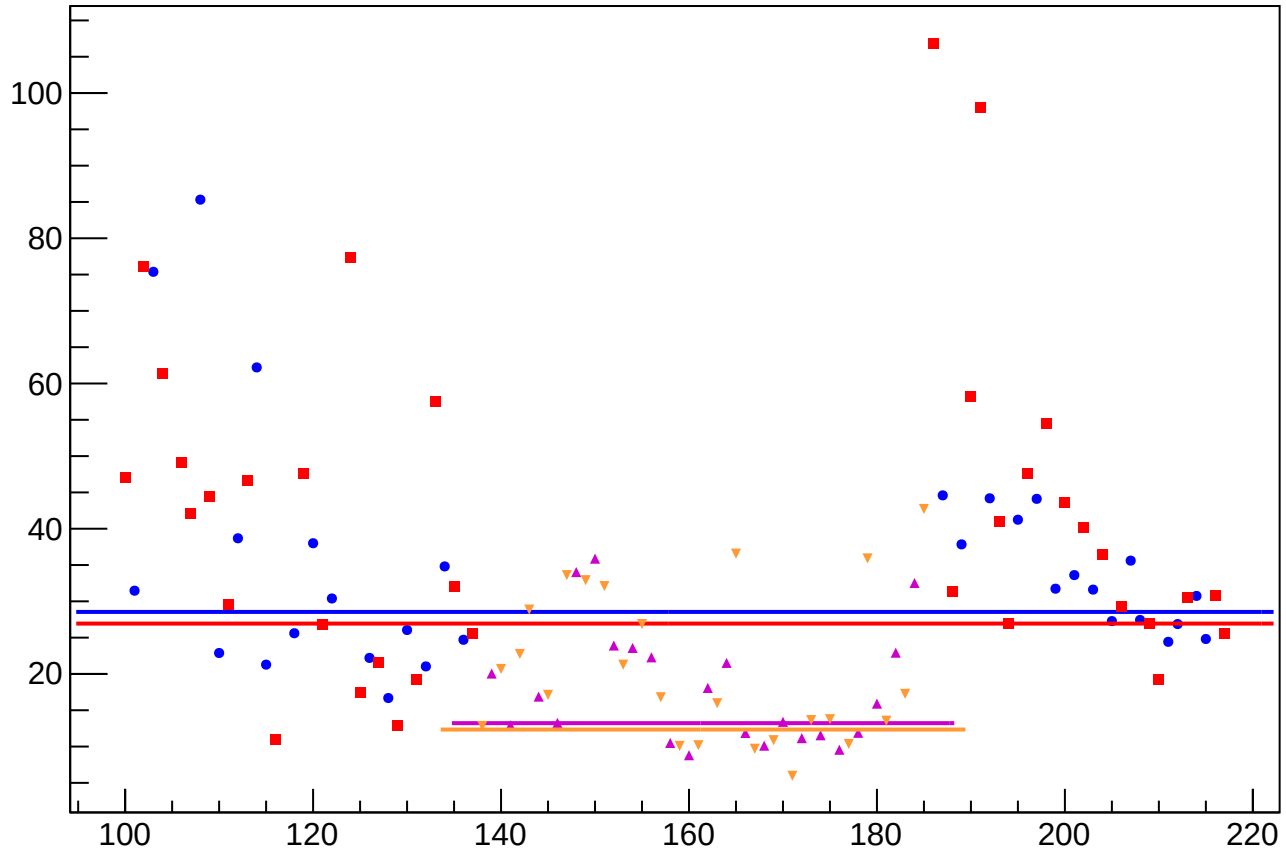
Right Out: -0.000+/-0.007 χ^2/NDF: 53.9/35

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.7/55

All: 0.006+/-0.002 χ^2/NDF: 184.7/114

- sign 0.003+/-0.003 χ^2/NDF: 91.3/58



Right In: 28.543+/-0.005 χ^2/NDF: 2333284.3/30

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

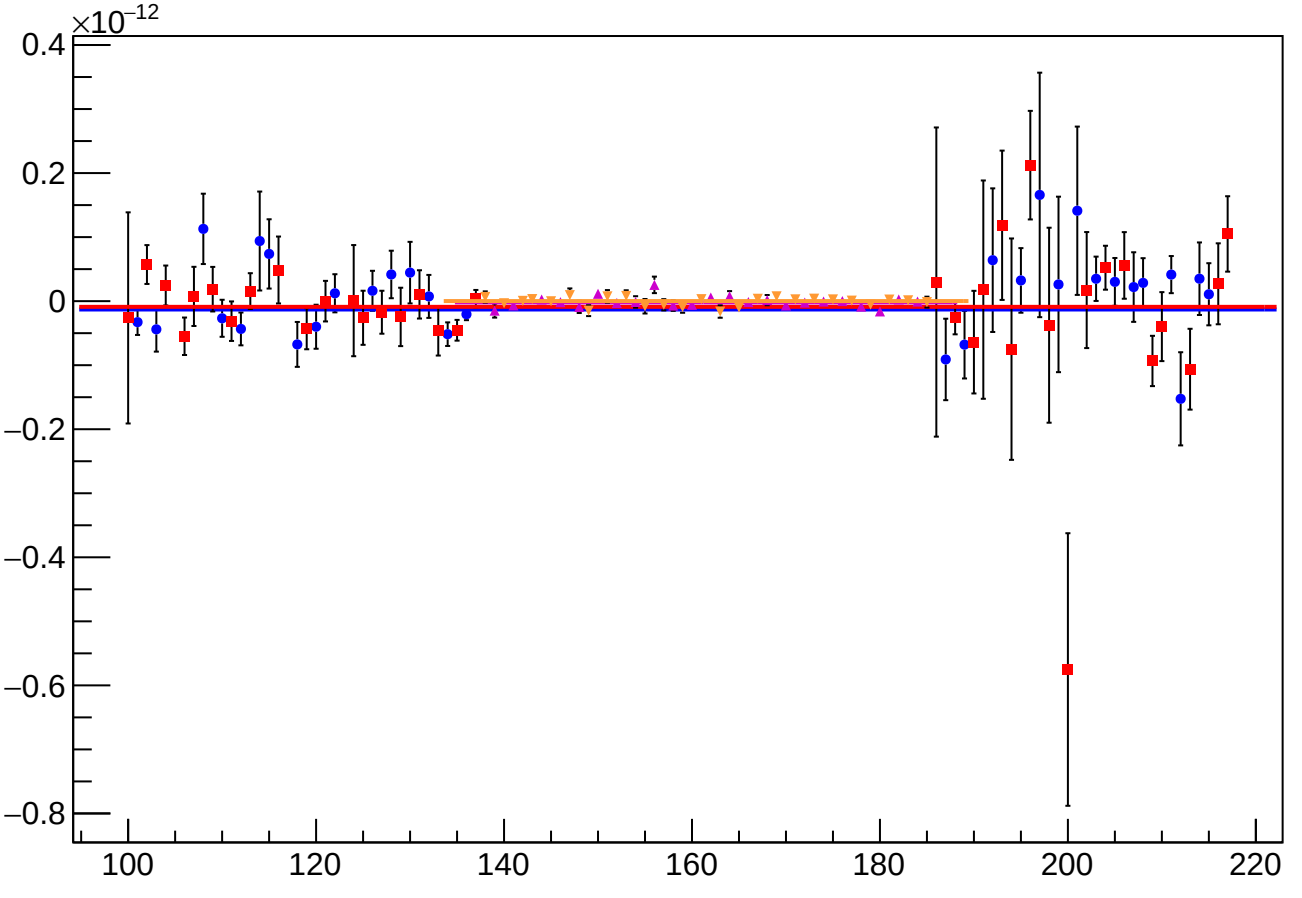
Right Out: 26.936+/-0.005 χ^2/NDF: 6013846.1/35

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.304+/-0.002 χ^2/NDF: 17118326.3/55

All: 15.673+/-0.002 χ^2/NDF: 32965298.6/114

- sign 16.068+/-0.002 χ^2/NDF: 15789194.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 46.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

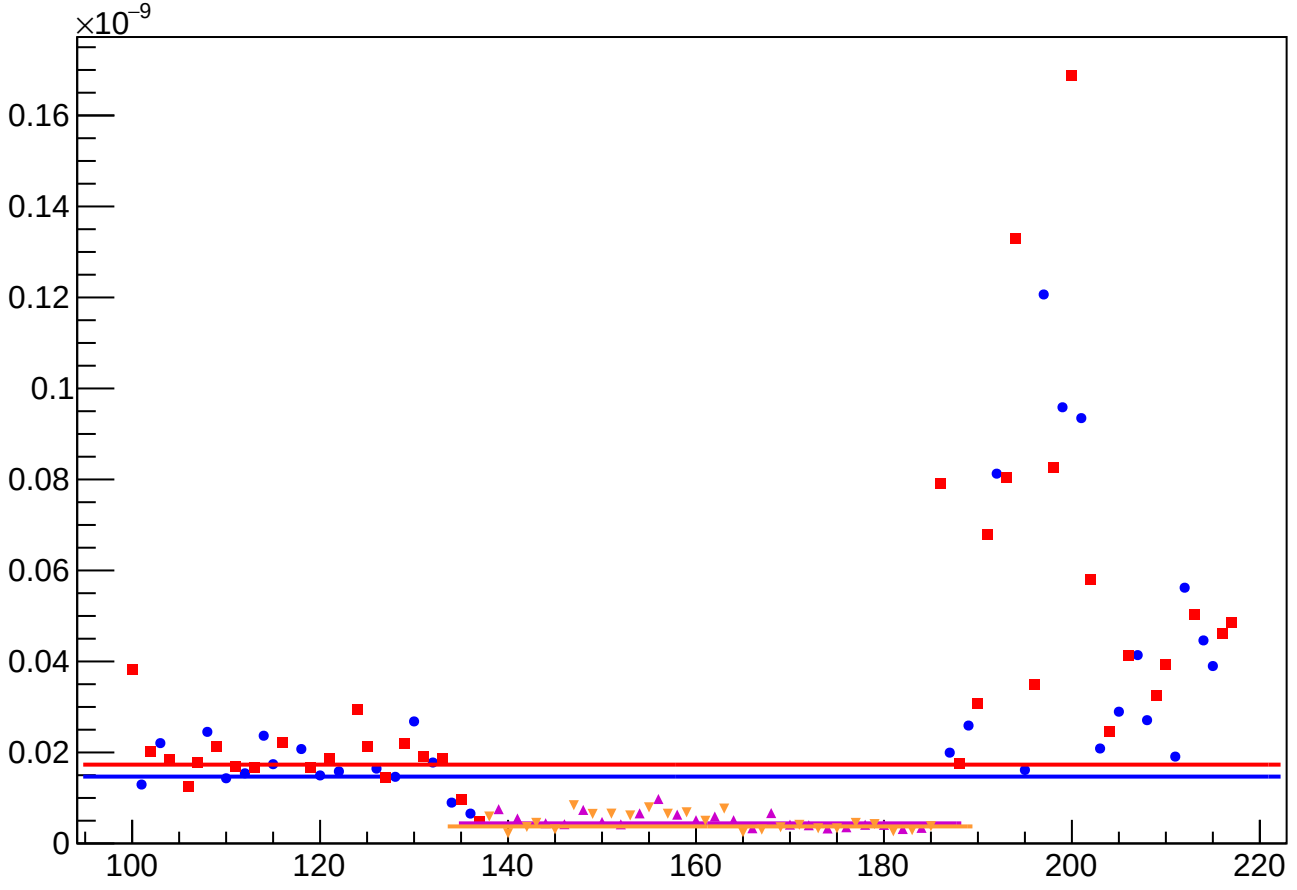
Right Out: -0.000+/-0.000 χ^2/NDF: 52.8/35

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.0/55

All: -0.000+/-0.000 χ^2/NDF: 153.6/114

- sign -0.000+/-0.000 χ^2/NDF: 79.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7819394.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8716247.9/35

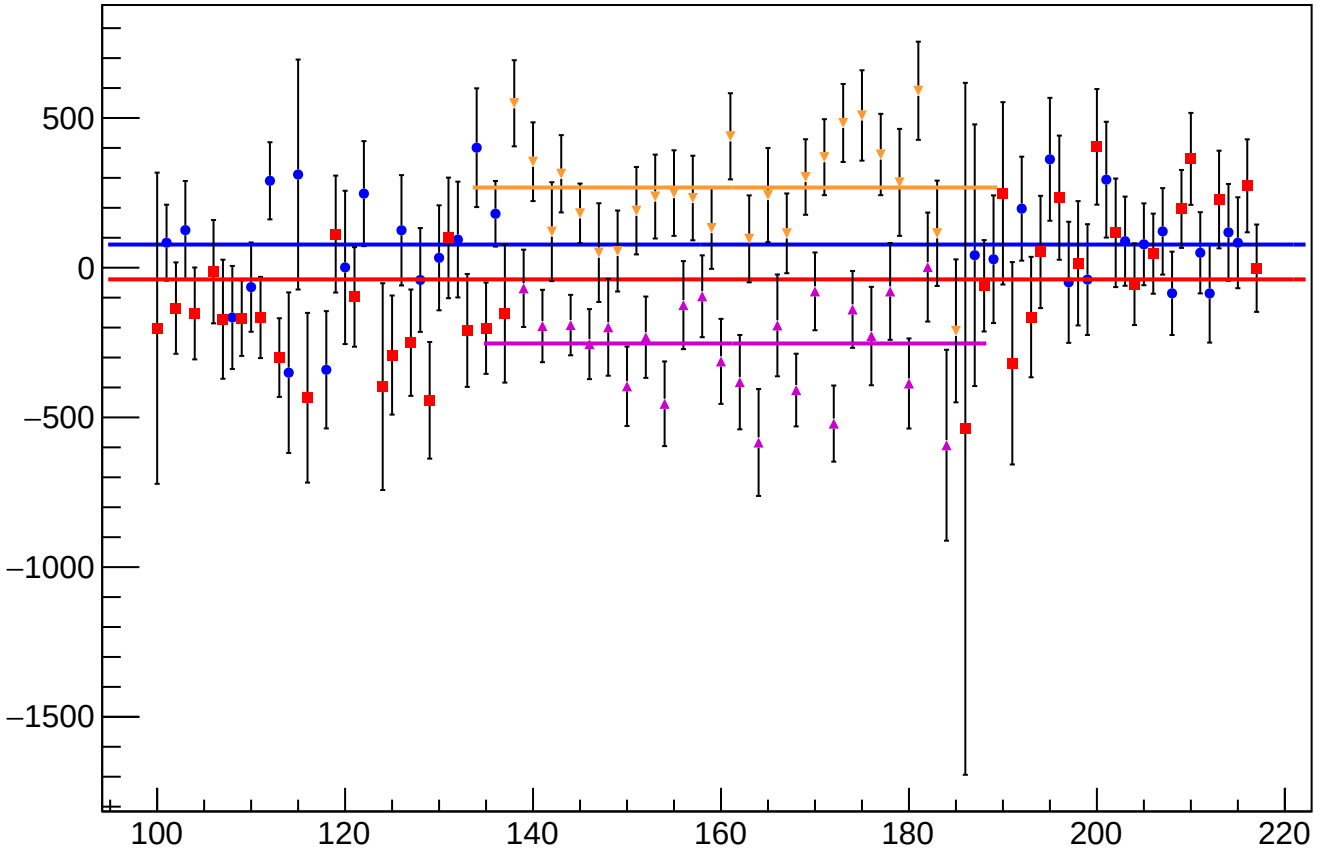
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18561125.3/55

All: 0.000+/-0.000 χ^2/NDF: 37995430.2/114

- sign 0.000+/-0.000 χ^2/NDF: 19025036.7/58

reg_asym_sam_48_dd_mean vs Slug



Right In: 77.337+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.979+/-29.337 χ^2/NDF: 48.7/35

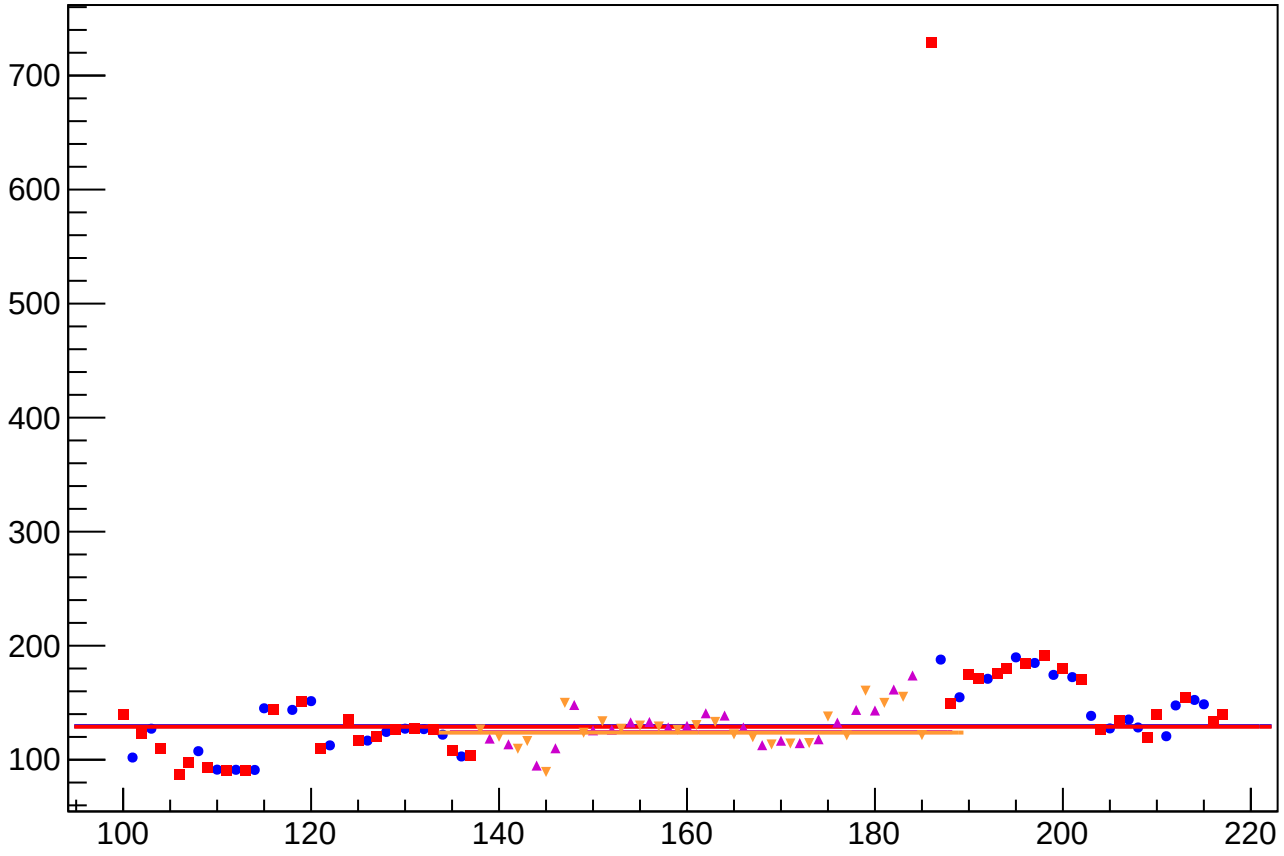
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 178.265+/-20.680 χ^2/NDF: 77.6/55

All: 16.519+/-14.643 χ^2/NDF: 301.8/114

- sign -146.101+/-20.736 χ^2/NDF: 101.6/58

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.4/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.943+/-0.021 χ^2/NDF: 2398426.4/35

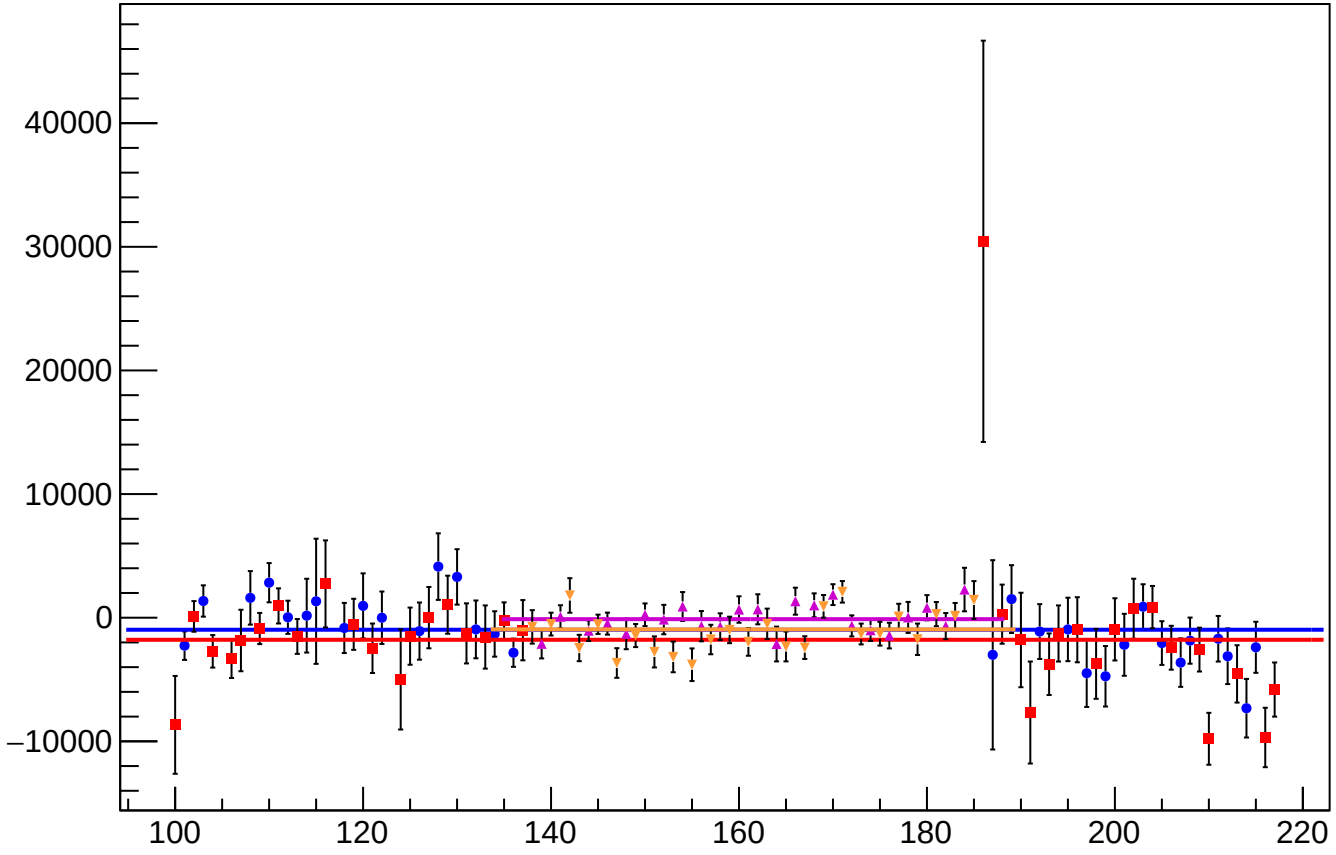
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.463+/-0.015 χ^2/NDF: 2124857.1/55

All: 126.530+/-0.010 χ^2/NDF: 5106050.8/114

- sign 126.599+/-0.015 χ^2/NDF: 2981150.3/58

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -973.510+/-351.116 χ^2/NDF: 40.7/30

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1785.282+/-340.684 χ^2/NDF: 59.1/35

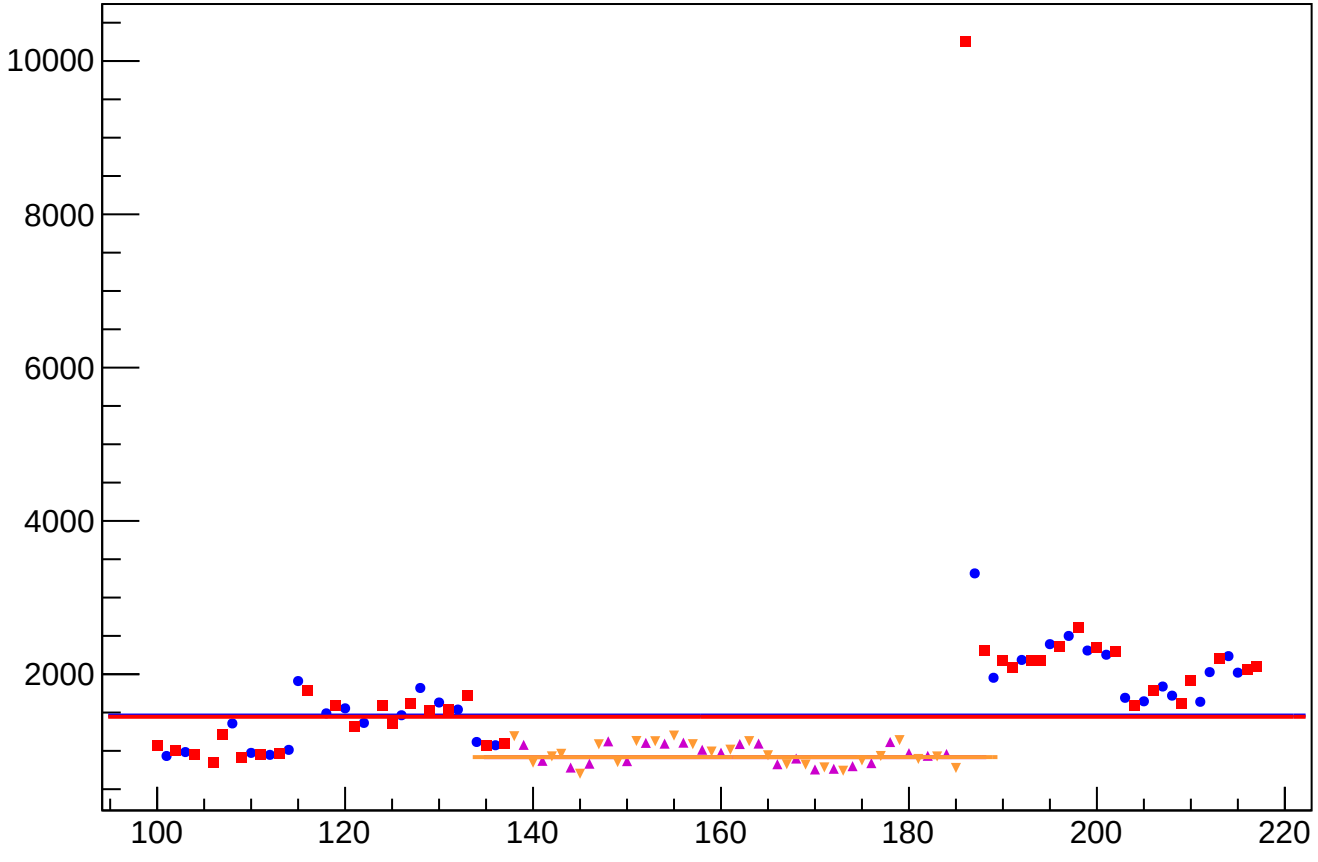
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -954.601+/-181.355 χ^2/NDF: 91.0/55

All: -779.039+/-128.858 χ^2/NDF: 193.3/114

- sign -600.034+/-183.125 χ^2/NDF: 100.5/58

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1460.894+/-0.248 χ^2/NDF: 3667731.8/30

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1444.777+/-0.241 χ^2/NDF: 5125750.3/35

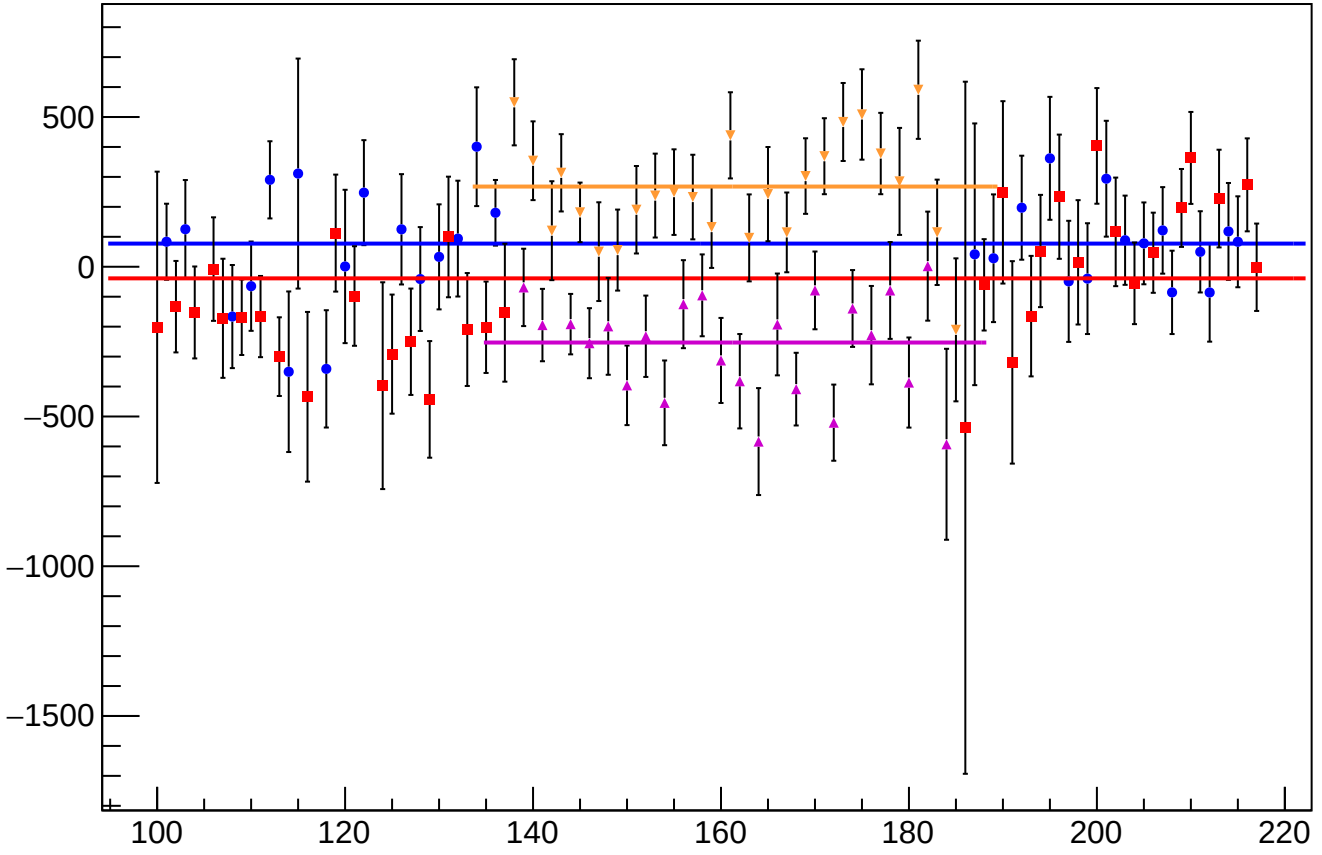
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1063.202+/-0.128 χ^2/NDF: 8054927.1/55

All: 1066.743+/-0.091 χ^2/NDF: 17245828.6/1

- sign 1070.353+/-0.129 χ^2/NDF: 9189361.8/58

cor_asym_sam_48_dd_mean vs Slug



Right In: 77.331+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.764+/-29.339 χ^2/NDF: 48.7/35

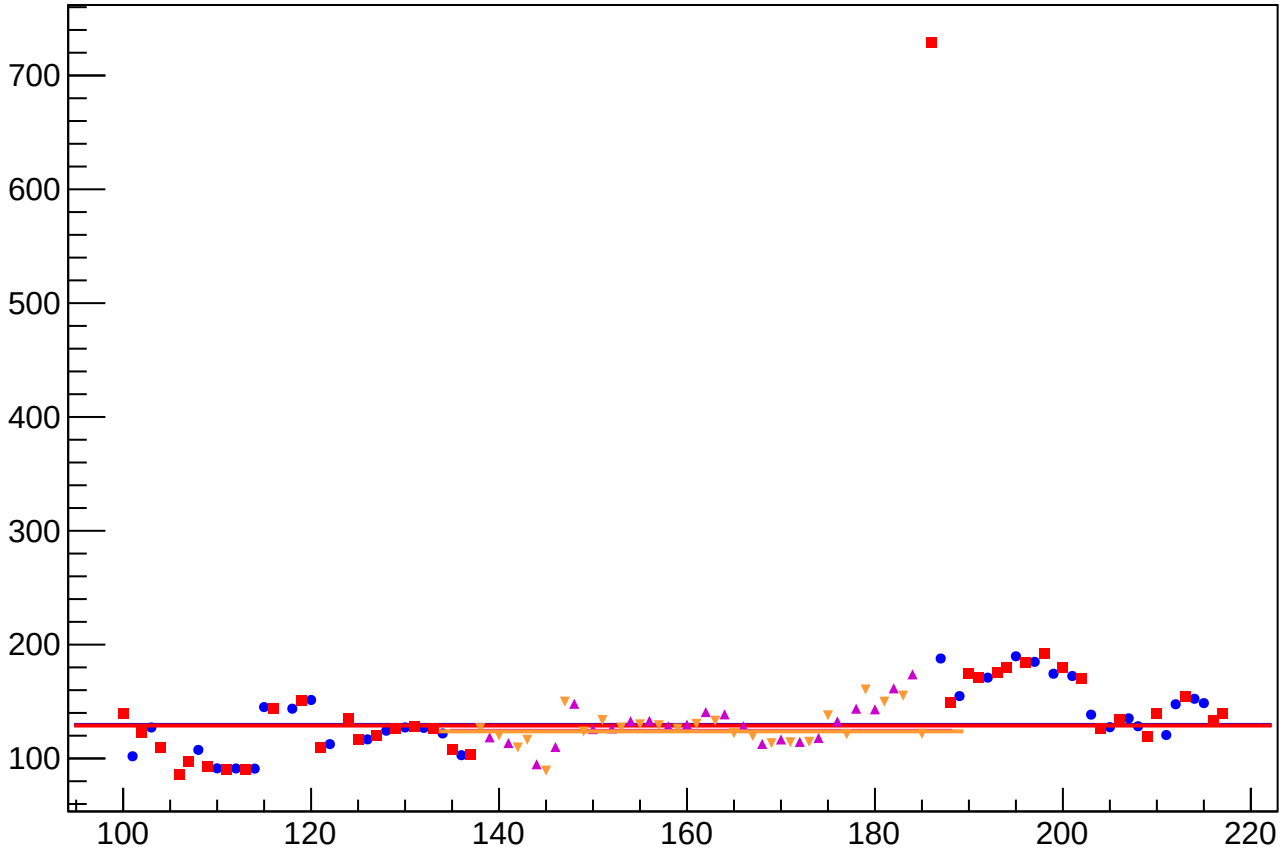
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 178.266+/-20.680 χ^2/NDF: 77.6/55

All: 16.575+/-14.643 χ^2/NDF: 301.8/114

- sign -146.003+/-20.737 χ^2/NDF: 101.6/58

cor_asym_sam_48_dd_rms vs Slug



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.3/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

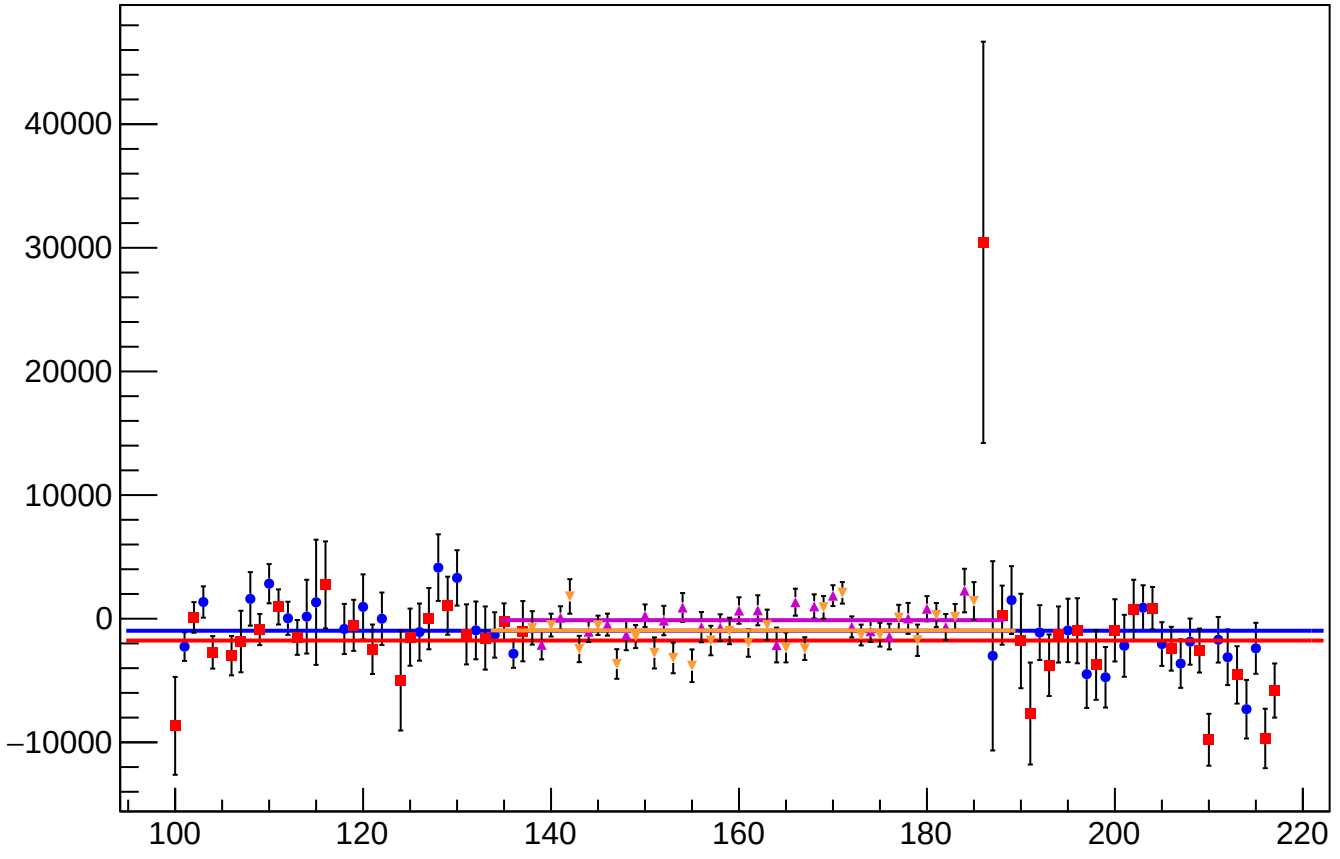
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.463+/-0.015 χ^2/NDF: 2124857.2/55

All: 126.524+/-0.010 χ^2/NDF: 5111781.5/114

- sign 126.585+/-0.015 χ^2/NDF: 2986889.1/58

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -973.570+/-351.117 χ^2/NDF: 40.7/30

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1766.873+/-341.067 χ^2/NDF: 58.6/35

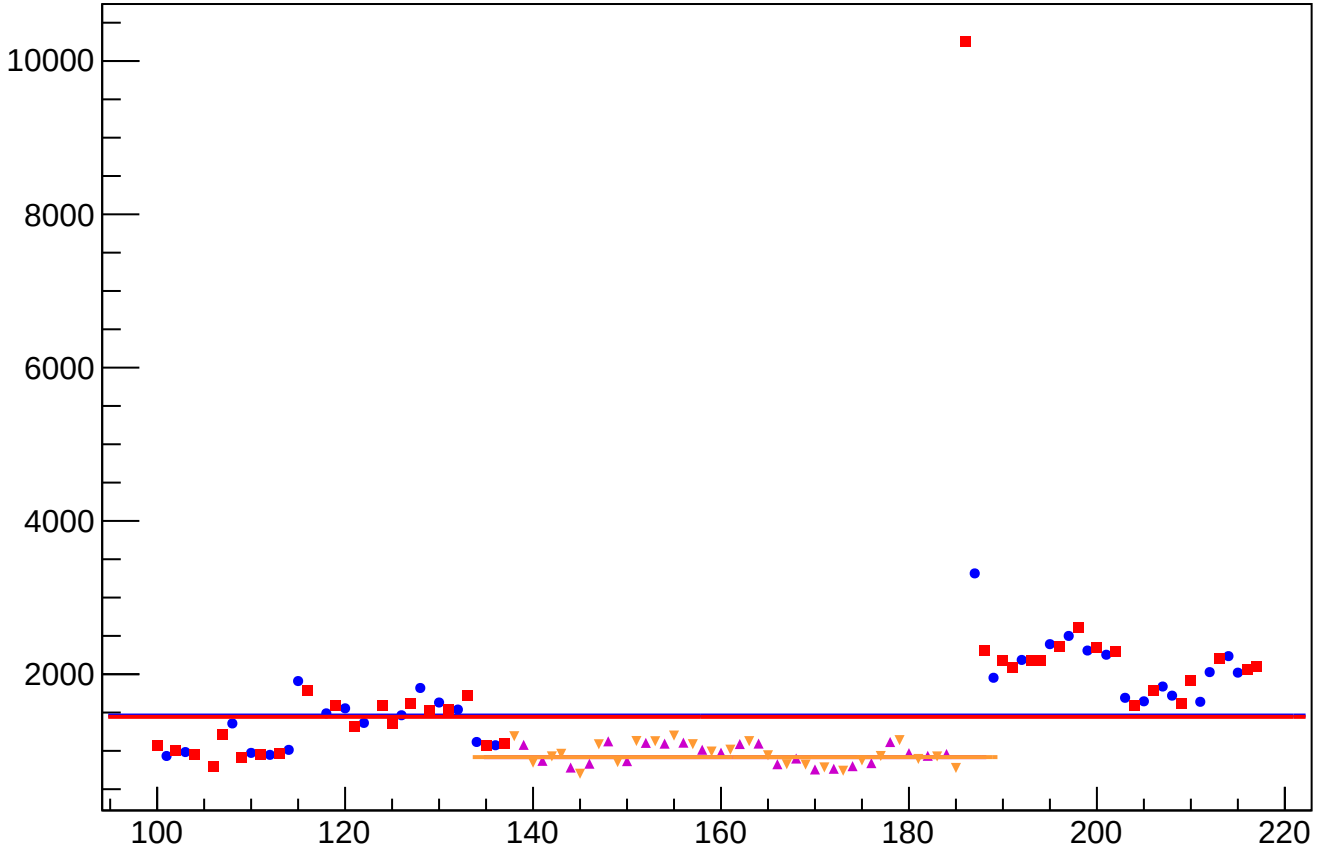
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -954.609+/-181.355 χ^2/NDF: 91.0/55

All: -776.091+/-128.879 χ^2/NDF: 192.6/114

- sign -593.955+/-183.184 χ^2/NDF: 99.7/58

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1460.903+/-0.248 χ^2/NDF: 3667629.8/30

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1443.823+/-0.241 χ^2/NDF: 5161324.6/35

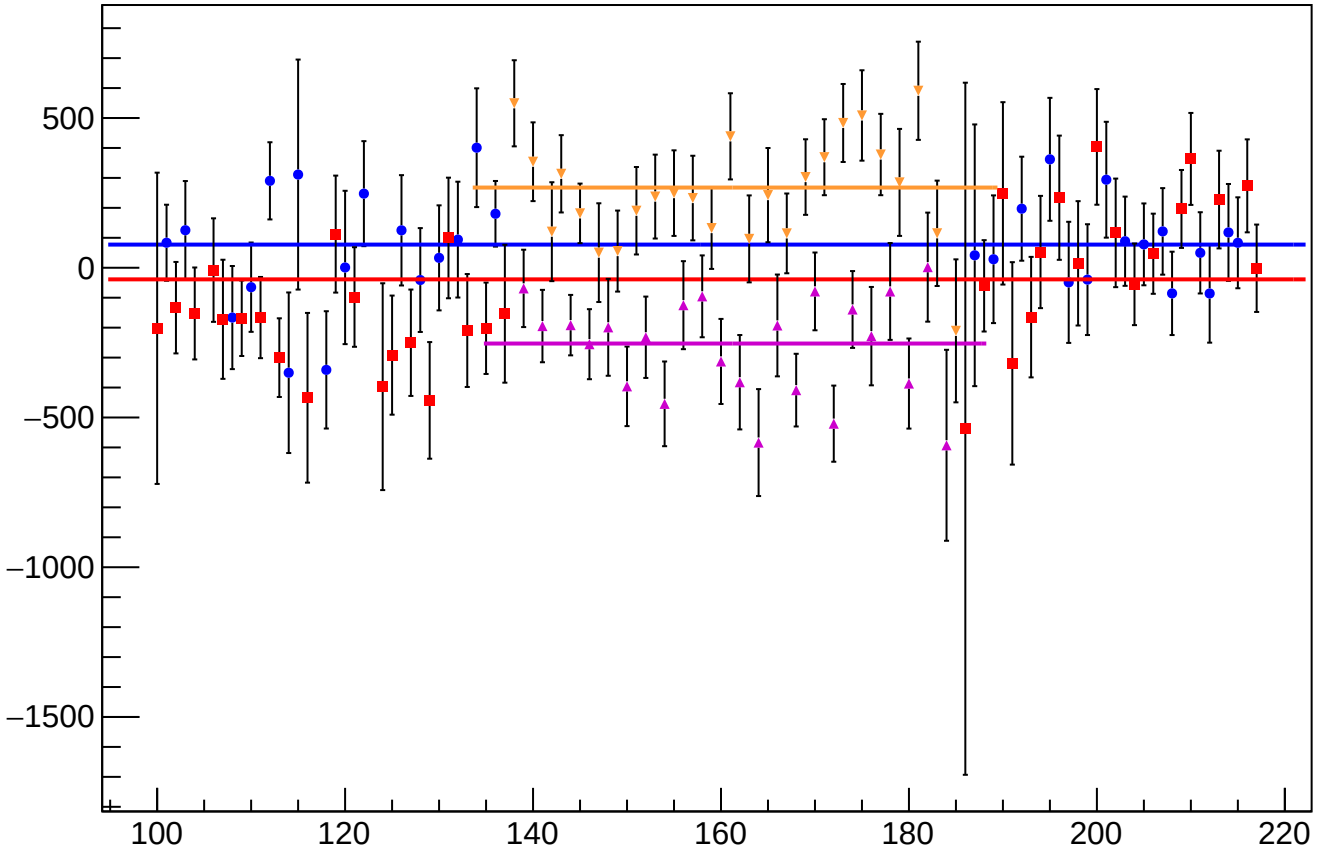
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1063.204+/-0.128 χ^2/NDF: 8054914.1/55

All: 1066.486+/-0.091 χ^2/NDF: 17263461.0/1

- sign 1069.835+/-0.130 χ^2/NDF: 9207223.4/58

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 77.331+/-30.164 χ^2/NDF: 25.5/30

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -38.764+/-29.339 χ^2/NDF: 48.7/35

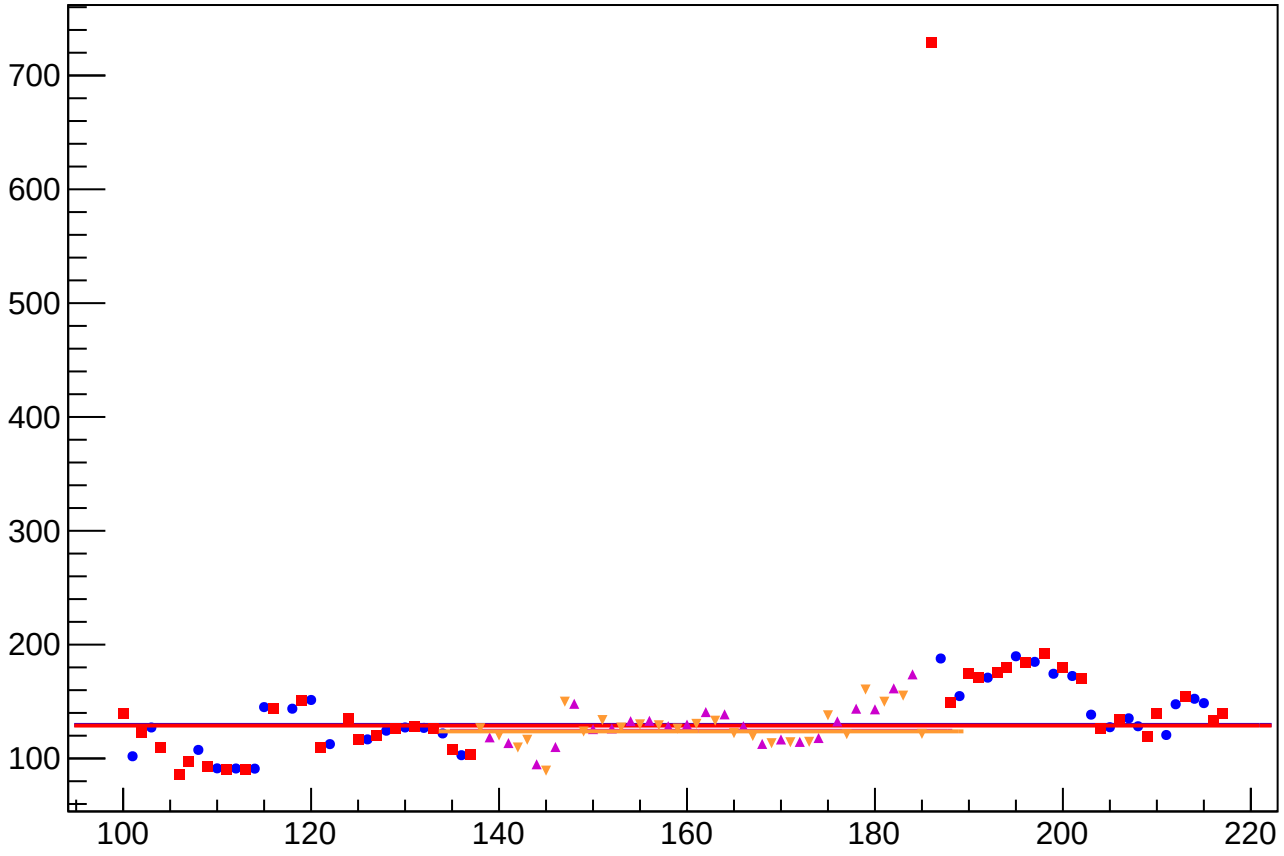
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 178.266+/-20.680 χ^2/NDF: 77.6/55

All: 16.575+/-14.643 χ^2/NDF: 301.8/114

- sign -146.003+/-20.737 χ^2/NDF: 101.6/58

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 129.456+/-0.021 χ^2/NDF: 1489242.3/30

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

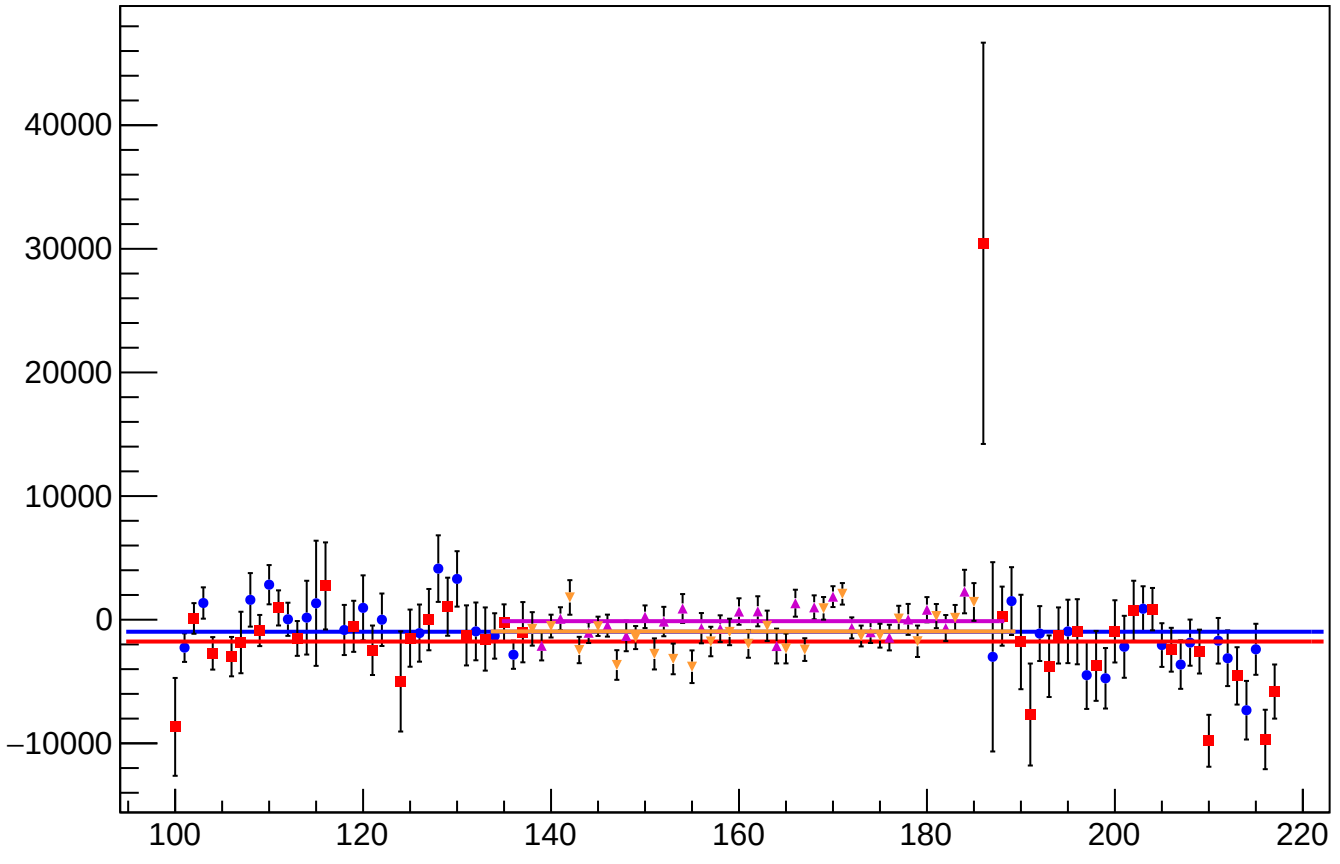
Right Out: 128.916+/-0.021 χ^2/NDF: 2404454.1/35

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.463+/-0.015 χ^2/NDF: 2124857.2/55

All: 126.524+/-0.010 χ^2/NDF: 5111781.5/114

- sign 126.585+/-0.015 χ^2/NDF: 2986889.1/58



Right In: -973.570+/-351.117 χ^2/NDF: 40.7/30

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

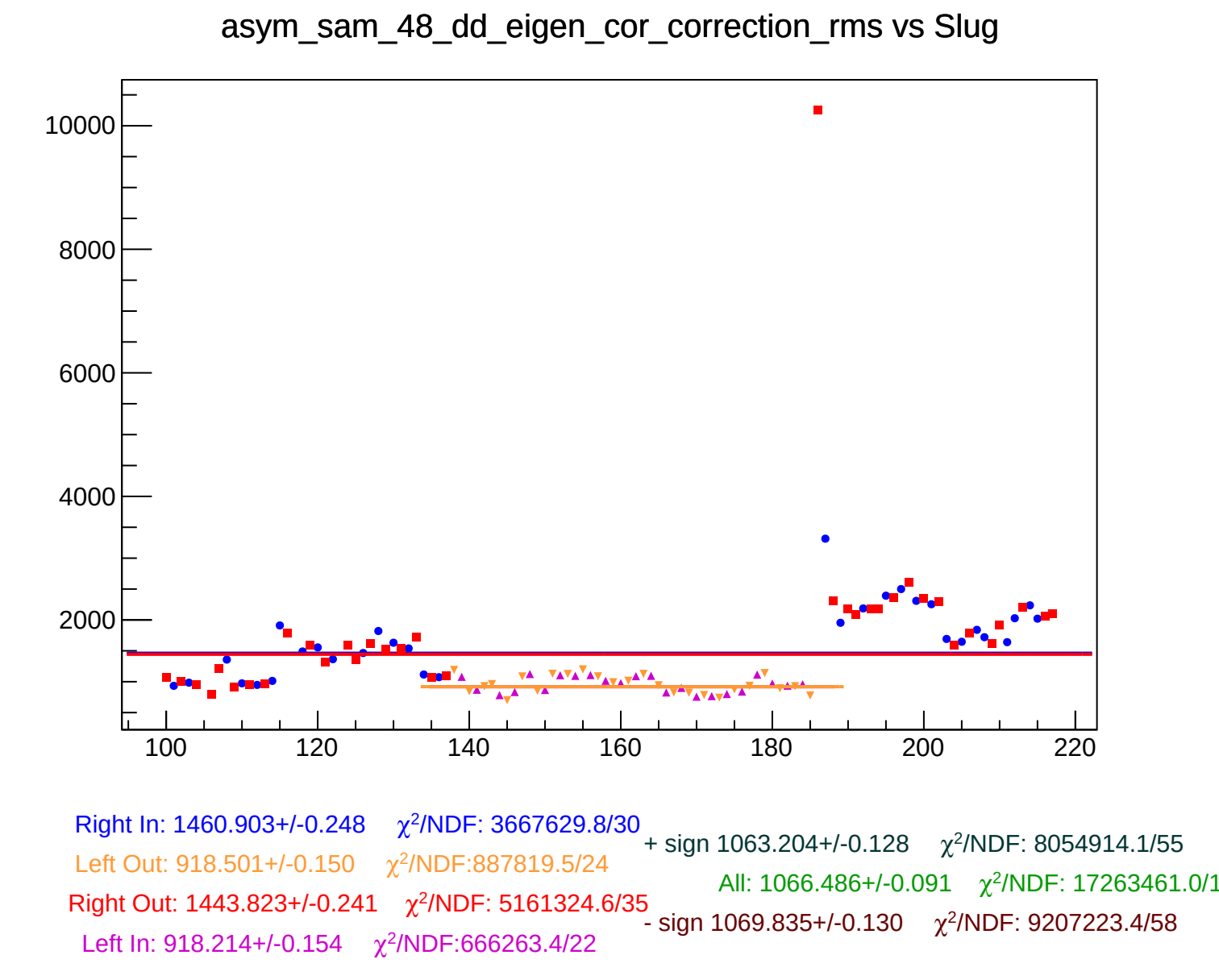
Right Out: -1766.873+/-341.067 χ^2/NDF: 58.6/35

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

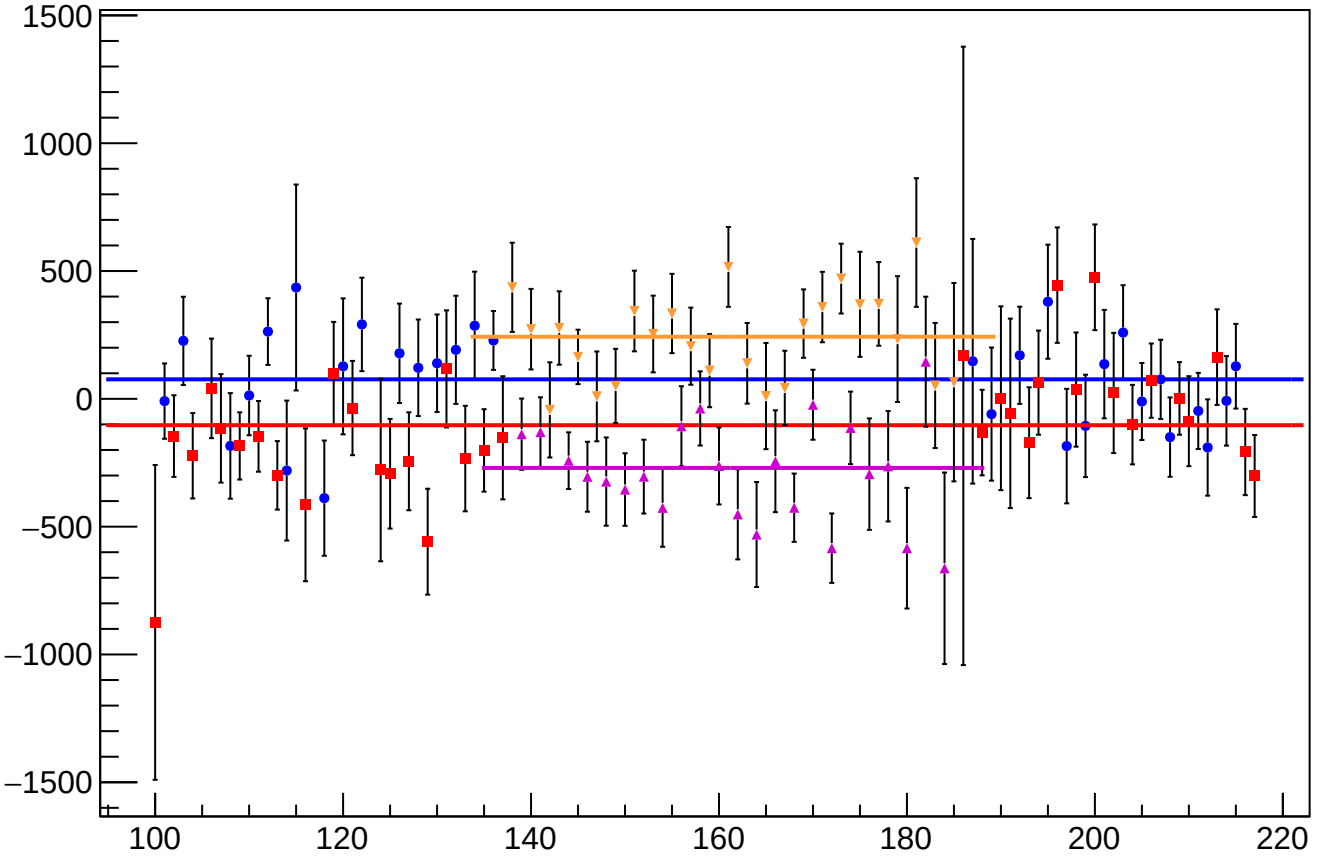
+ sign -954.609+/-181.355 χ^2/NDF: 91.0/55

All: -776.091+/-128.879 χ^2/NDF: 192.6/114

- sign -593.955+/-183.184 χ^2/NDF: 99.7/58


asym_sam_48_dd_eigen_cor_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1460.903+/-0.248 χ²/NDF: 3667629.8/30
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1443.823+/-0.241 χ²/NDF: 5161324.6/35
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
+ sign 1063.204+/-0.128 χ²/NDF: 8054914.1/55
All: 1066.486+/-0.091 χ²/NDF: 17263461.0/1
- sign 1069.835+/-0.130 χ²/NDF: 9207223.4/58

dit_asym_sam_48_dd_mean vs Slug



Right In: 76.310+/-32.949 χ^2/NDF: 27.6/30

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -103.125+/-31.840 χ^2/NDF: 37.0/35

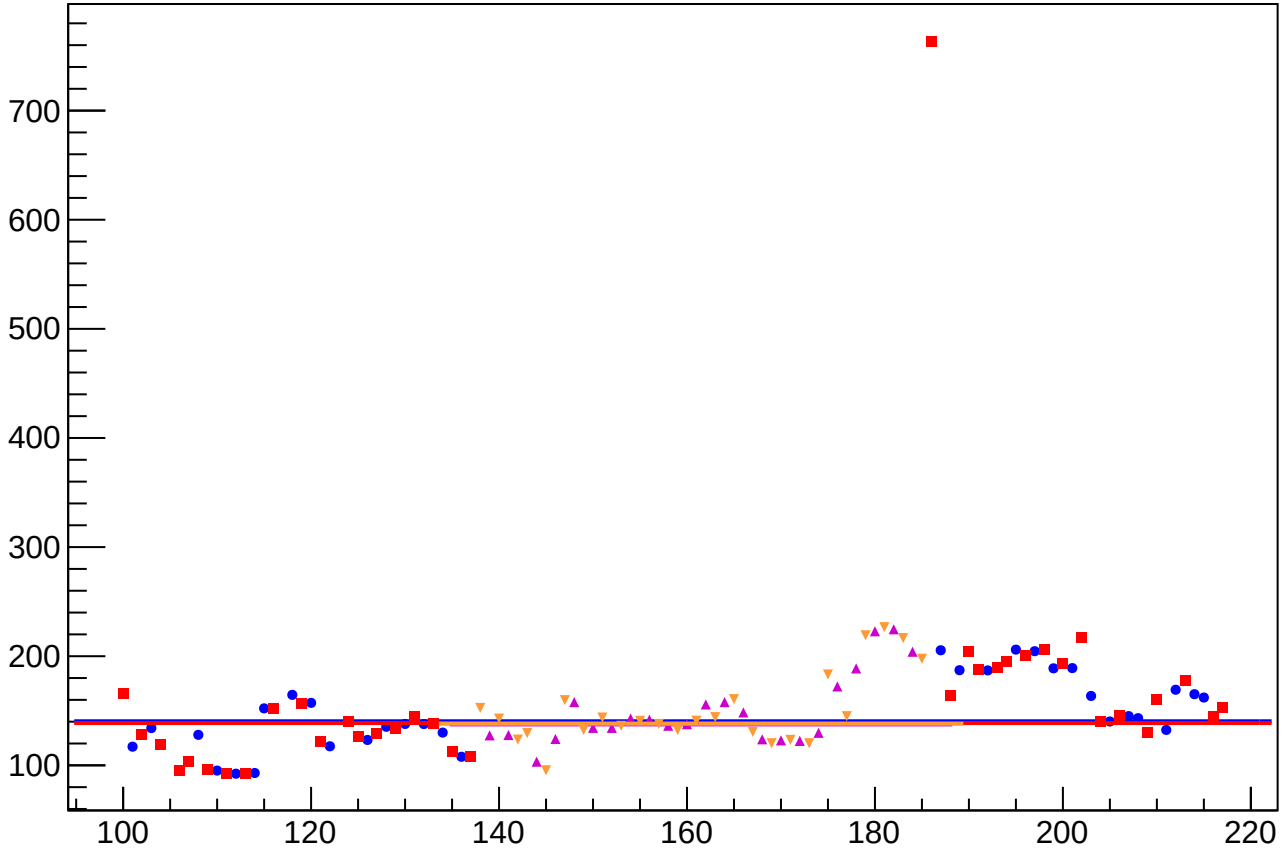
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 161.673+/-23.006 χ^2/NDF: 64.4/55

All: -12.118+/-16.222 χ^2/NDF: 254.9/114

- sign -183.965+/-22.877 χ^2/NDF: 77.0/58

dit_asym_sam_48_dd_rms vs Slug



Right In: 140.370+/-0.023 χ^2/NDF: 1750204.3/30

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 138.734+/-0.023 χ^2/NDF: 2781208.7/35

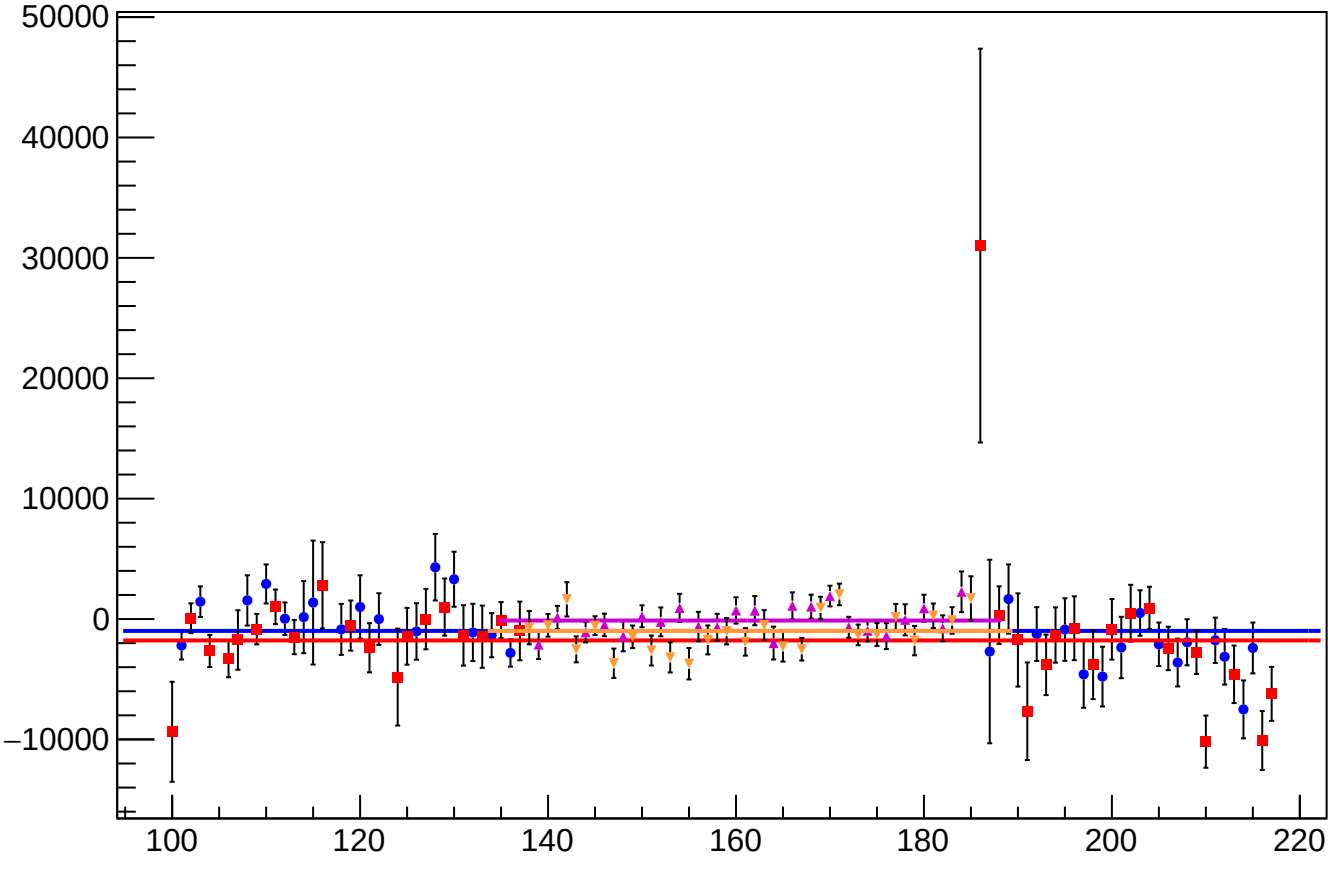
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 139.221+/-0.016 χ^2/NDF: 3093260.1/55

All: 138.674+/-0.011 χ^2/NDF: 6987524.0/114

- sign 138.133+/-0.016 χ^2/NDF: 3892015.1/58

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -986.305+/-355.576 χ^2/NDF: 40.6/30

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1777.330+/-343.800 χ^2/NDF: 61.2/35

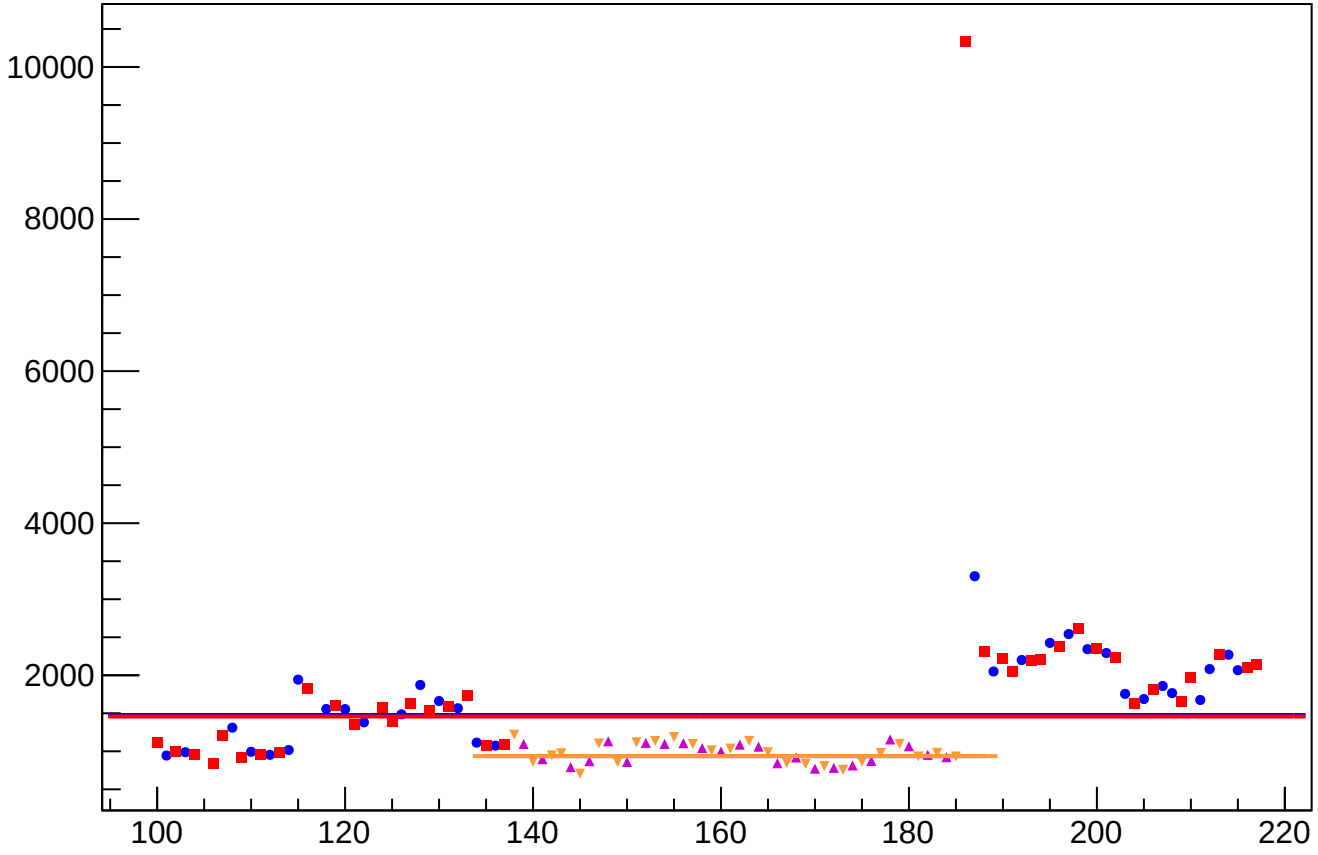
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -991.373+/-184.390 χ^2/NDF: 87.5/55

All: -802.054+/-130.992 χ^2/NDF: 191.1/114

- sign -609.162+/-186.122 χ^2/NDF: 101.4/58

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1477.347+/-0.251 χ^2/NDF: 3798199.3/30

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1457.315+/-0.243 χ^2/NDF: 5186095.0/35

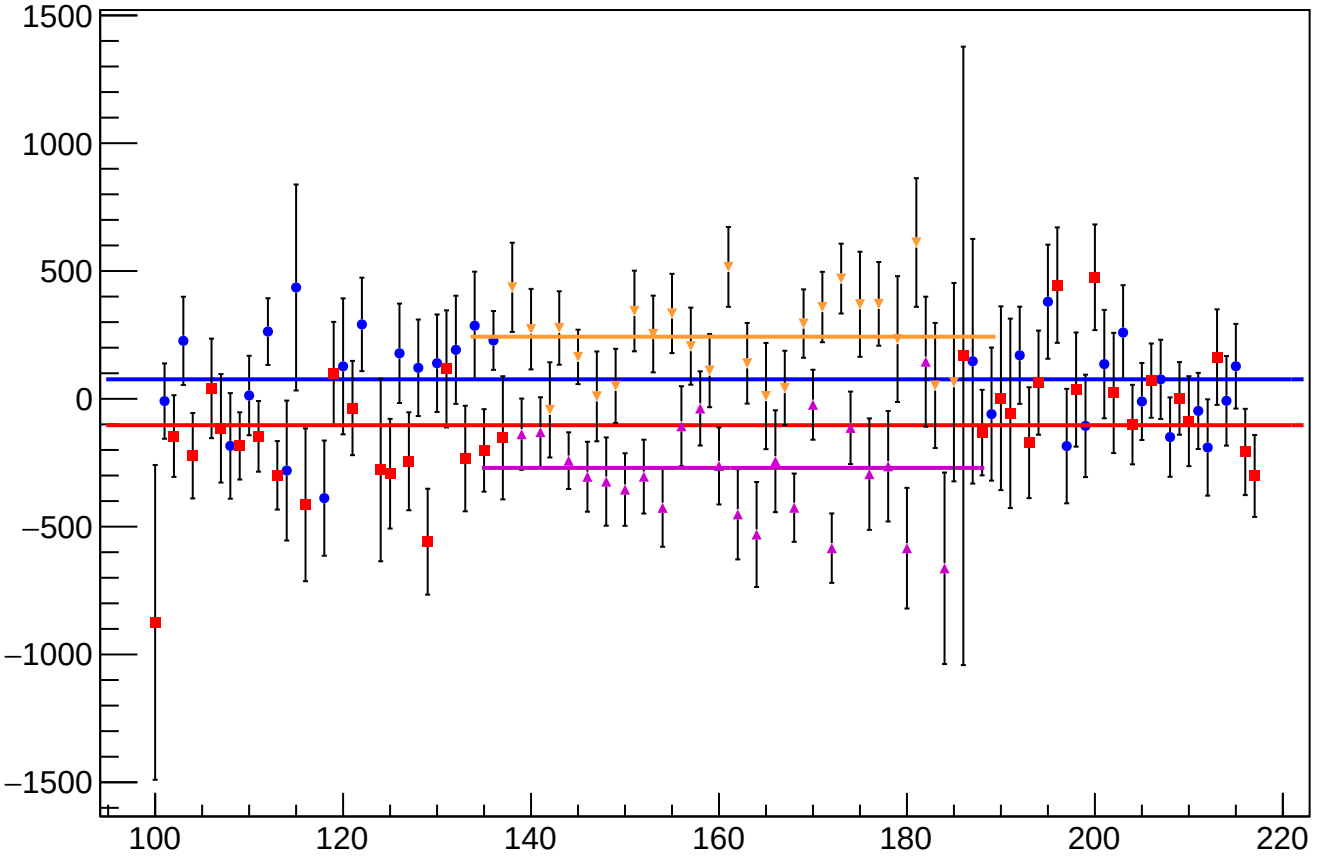
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1082.119+/-0.130 χ^2/NDF: 8010452.8/55

All: 1085.555+/-0.093 χ^2/NDF: 17086755.5/1

- sign 1089.055+/-0.132 χ^2/NDF: 9074900.8/58

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 76.312+/-32.949 χ^2/NDF: 27.6/30

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -103.123+/-31.840 χ^2/NDF: 37.0/35

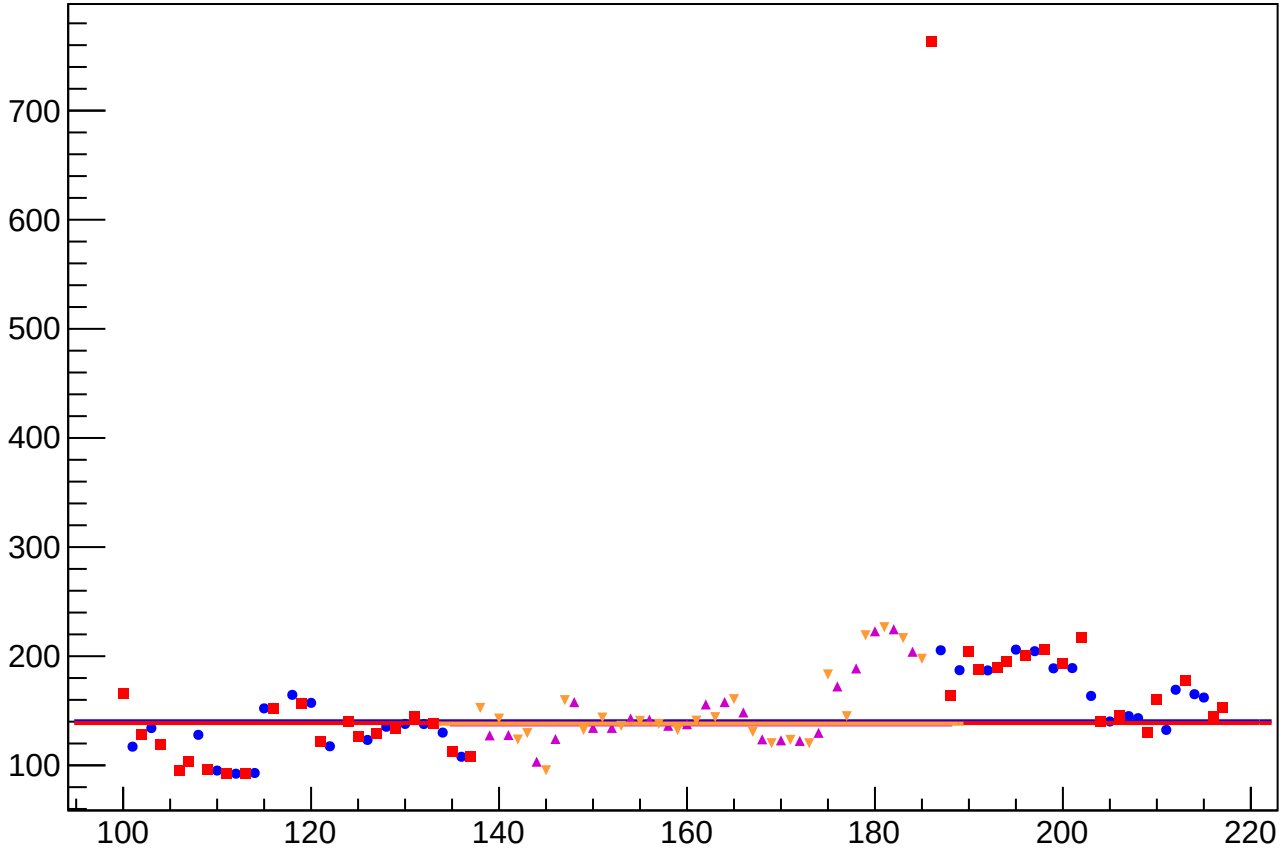
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 161.675+/-23.006 χ^2/NDF: 64.4/55

All: -12.117+/-16.222 χ^2/NDF: 254.9/114

- sign -183.965+/-22.877 χ^2/NDF: 77.0/58

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 140.370+/-0.023 χ^2/NDF: 1750186.2/30

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

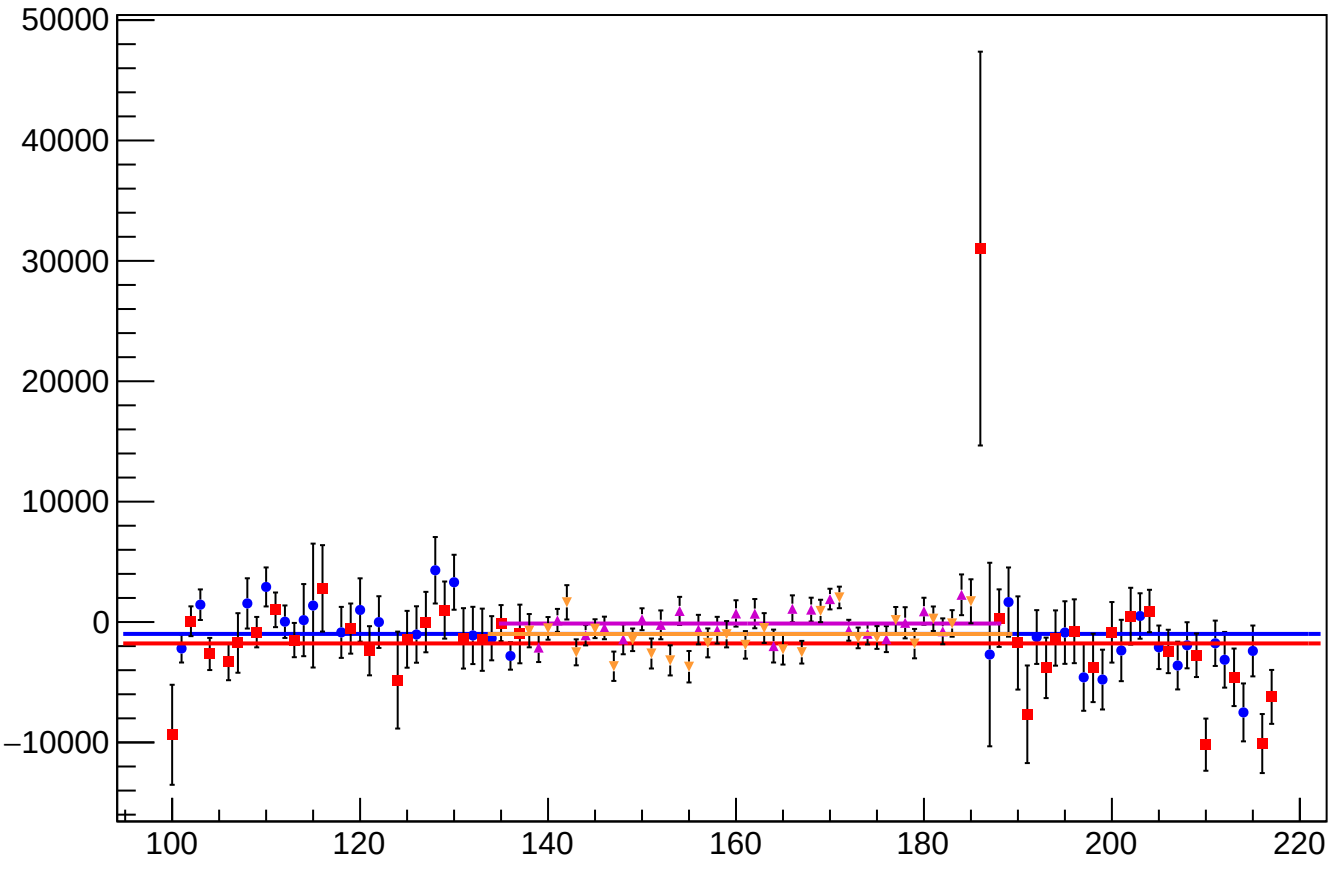
Right Out: 138.734+/-0.023 χ^2/NDF: 2781212.7/35

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 139.221+/-0.016 χ^2/NDF: 3093244.9/55

All: 138.674+/-0.011 χ^2/NDF: 6987499.0/114

- sign 138.133+/-0.016 χ^2/NDF: 3892005.3/58



Right In: -986.304+/-355.576 χ^2/NDF: 40.6/30

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

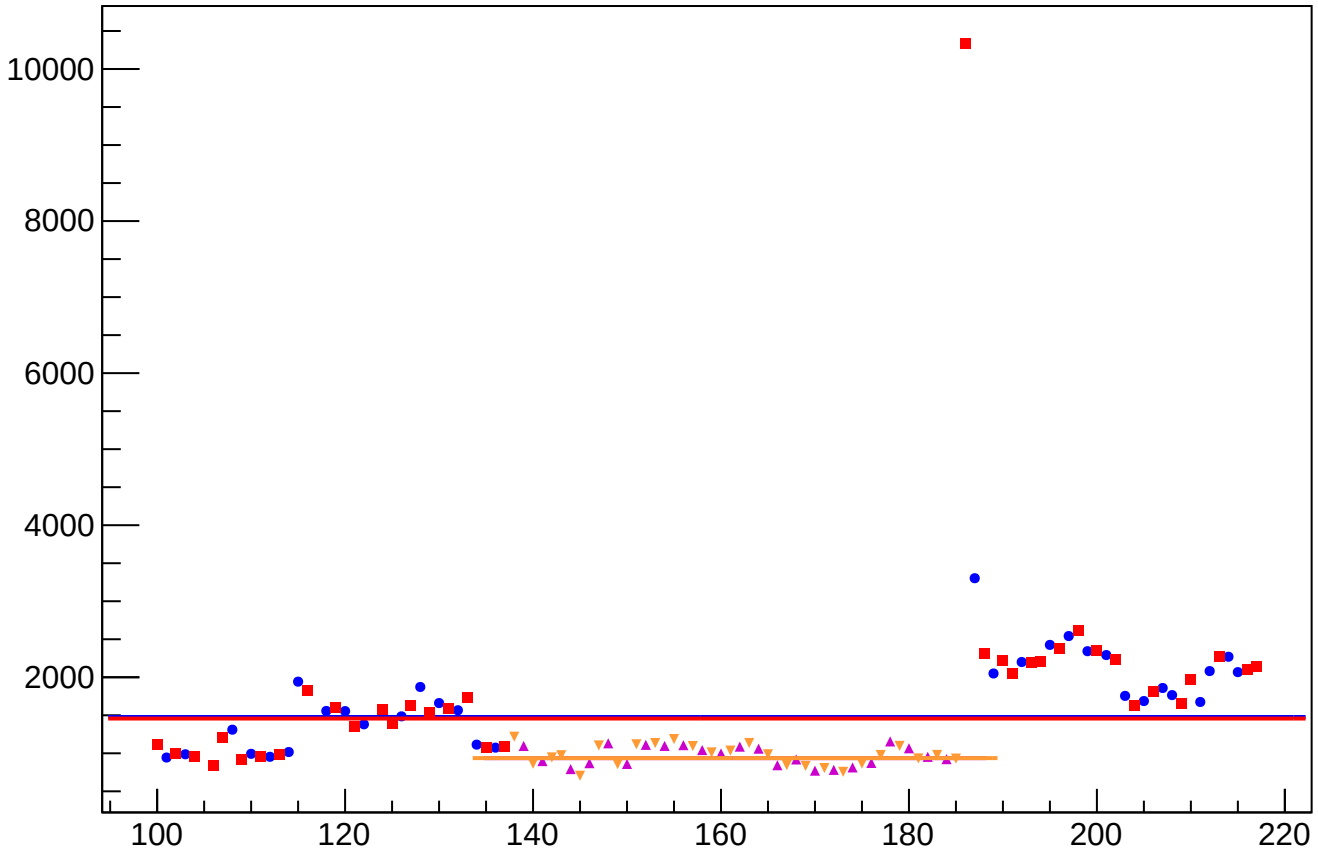
Right Out: -1777.328+/-343.800 χ^2/NDF: 61.2/35

Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -991.371+/-184.390 χ^2/NDF: 87.5/55

All: -802.052+/-130.991 χ^2/NDF: 191.1/114

- sign -609.160+/-186.122 χ^2/NDF: 101.4/58



Right In: 1477.346+/-0.251 χ^2/NDF: 3798191.7/30

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1457.314+/-0.243 χ^2/NDF: 5186087.6/35

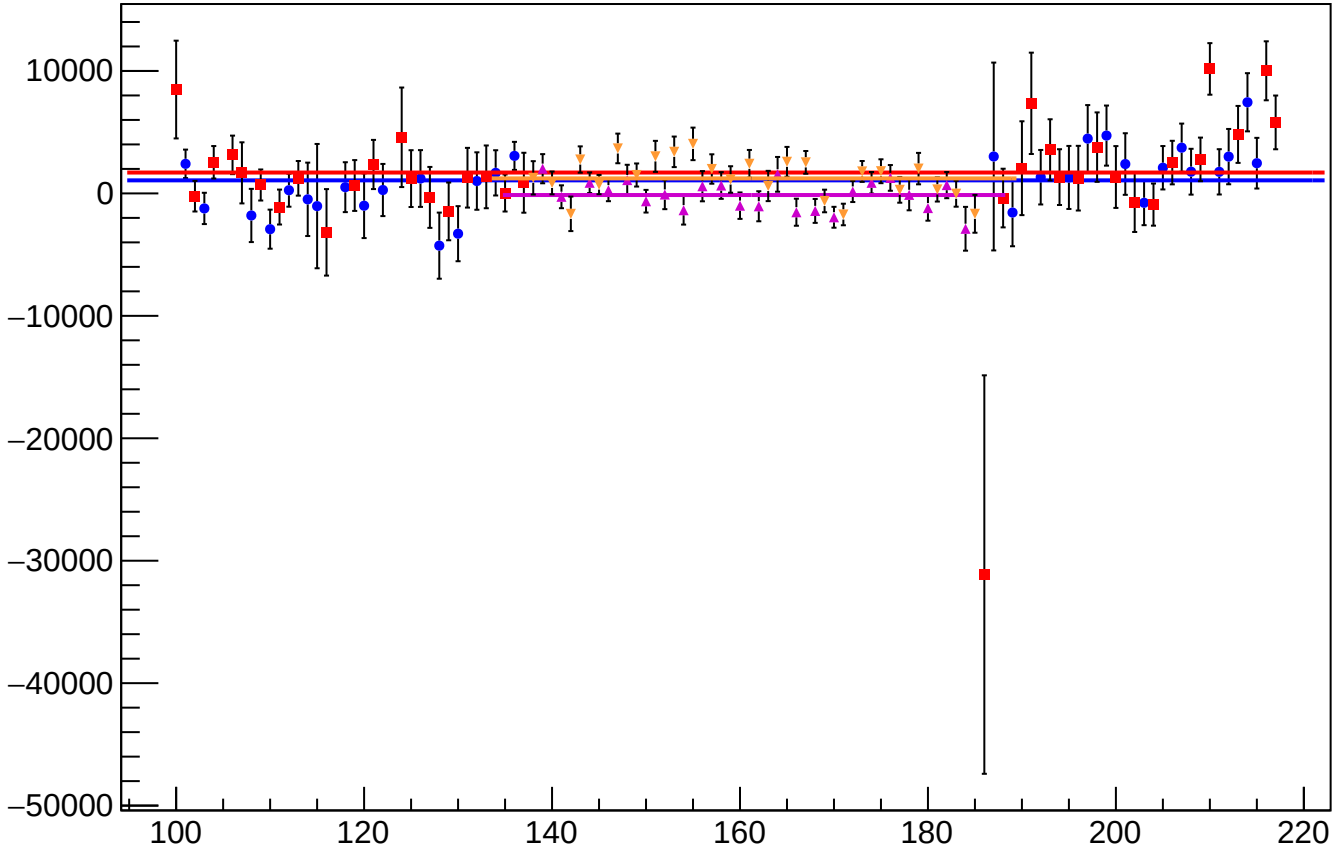
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1082.118+/-0.130 χ^2/NDF: 8010460.7/55

All: 1085.554+/-0.093 χ^2/NDF: 17086763.7/1

- sign 1089.054+/-0.132 χ^2/NDF: 9074901.0/58

asym_sam_48_dd_mean vs Slug



Right In: 1065.476+/-352.679 χ^2/NDF: 41.9/30

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1703.886+/-342.261 χ^2/NDF: 62.9/35

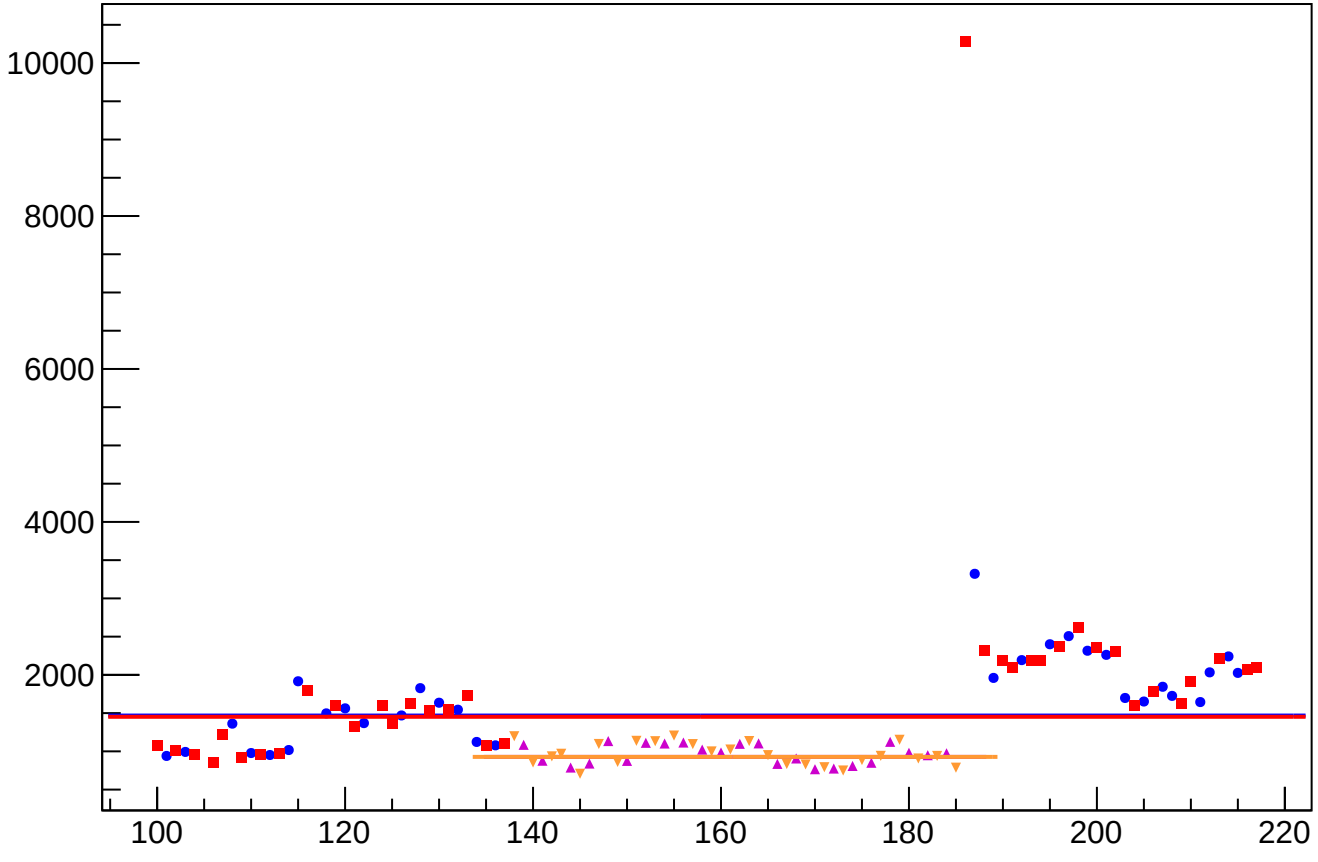
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1182.498+/-182.856 χ^2/NDF: 90.6/55

All: 795.868+/-129.923 χ^2/NDF: 208.8/114

- sign 401.677+/-184.635 χ^2/NDF: 109.2/58

asym_sam_48_dd_rms vs Slug



Right In: 1468.038+/-0.249 χ^2/NDF: 3638015.2/30

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

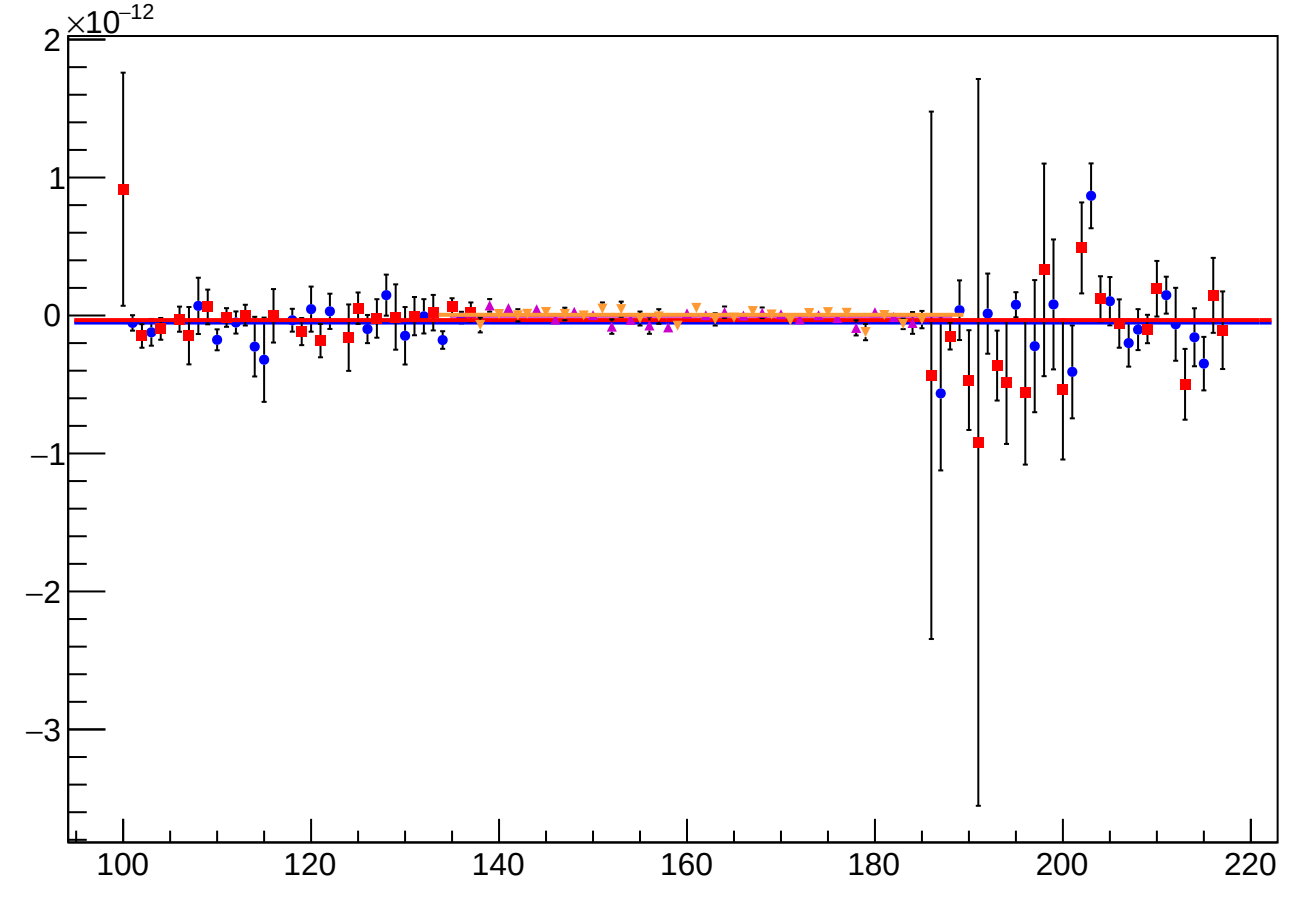
Right Out: 1452.037+/-0.242 χ^2/NDF: 5091162.5/35

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1072.886+/-0.129 χ^2/NDF: 7946921.1/55

All: 1076.418+/-0.092 χ^2/NDF: 17028868.9/1

- sign 1080.020+/-0.131 χ^2/NDF: 9080440.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

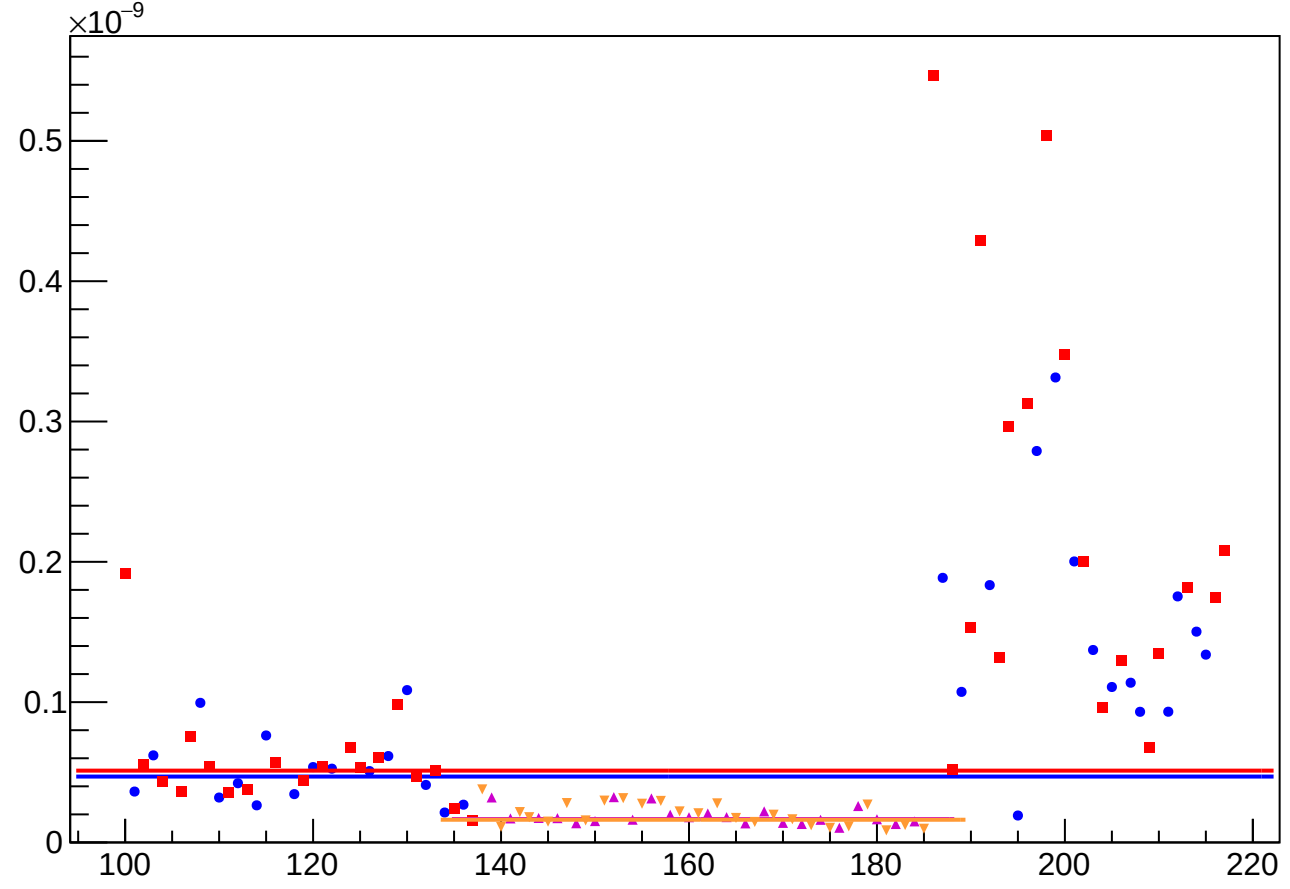
Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/35

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.6/55

All: -0.000+/-0.000 χ^2/NDF: 130.2/114

- sign -0.000+/-0.000 χ^2/NDF: 58.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 6590442.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7310644.6/35

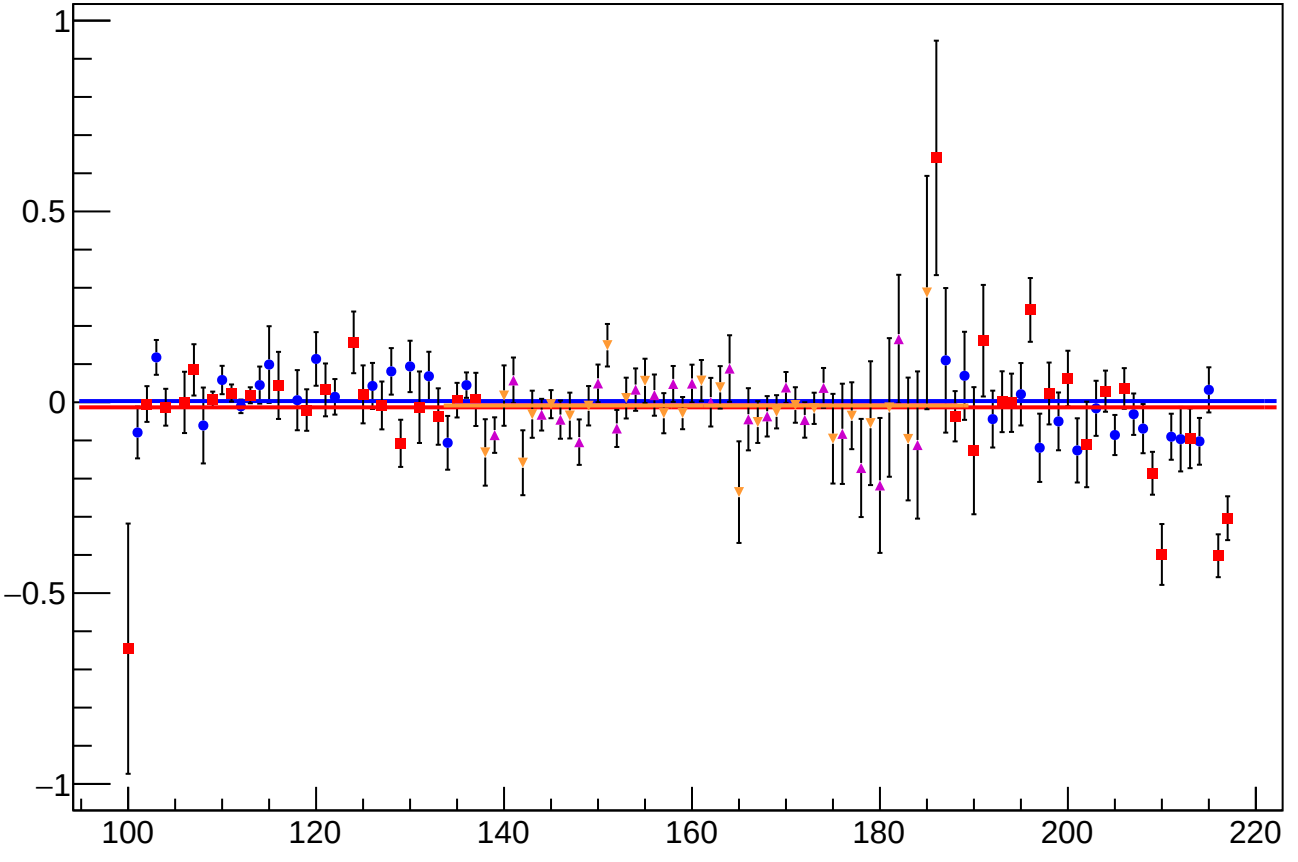
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12928529.9/55

All: 0.000+/-0.000 χ^2/NDF: 26052446.2/114

- sign 0.000+/-0.000 χ^2/NDF: 13105820.5/58

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

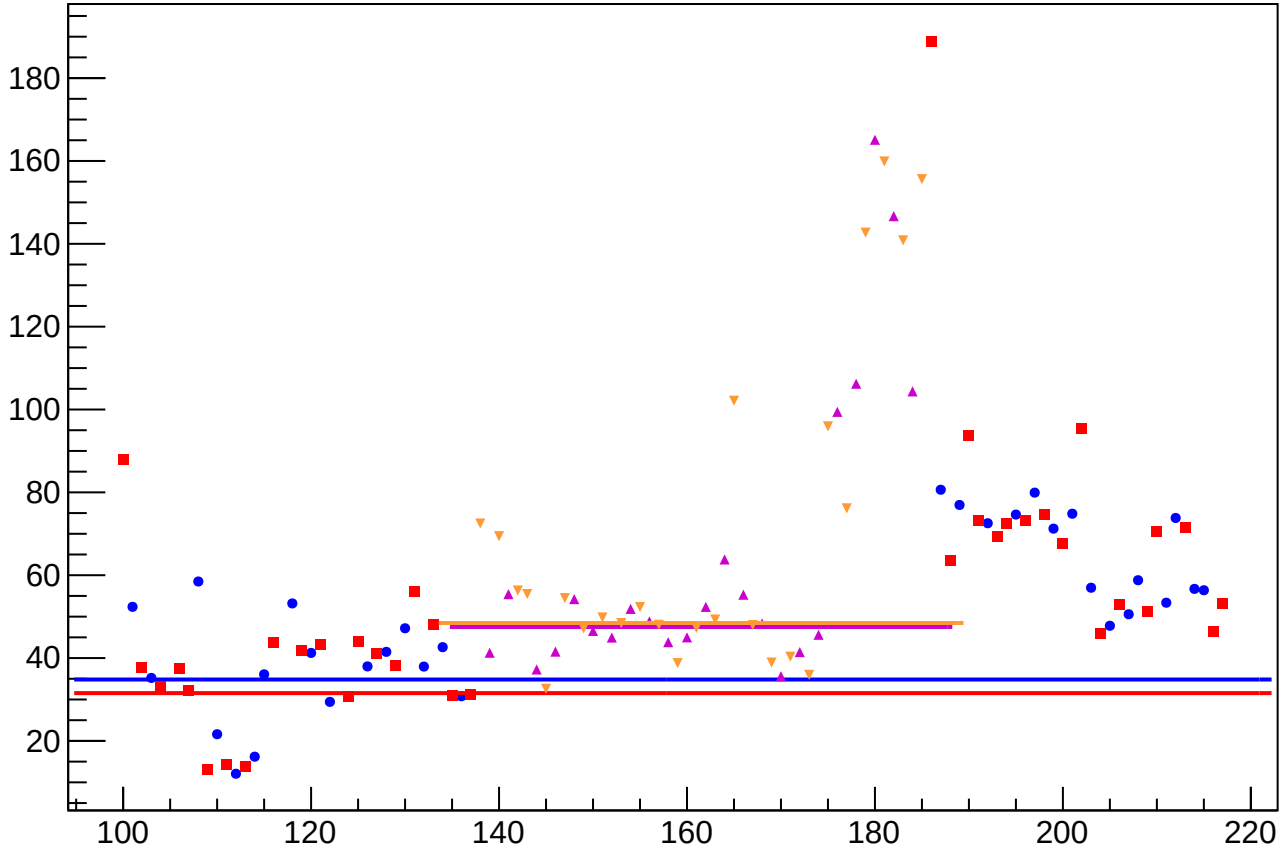
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.001+/-0.007 χ^2/NDF: 65.2/55

All: -0.007+/-0.005 χ^2/NDF: 236.7/114

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.824+/-0.007 χ^2/NDF: 9081518.7/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

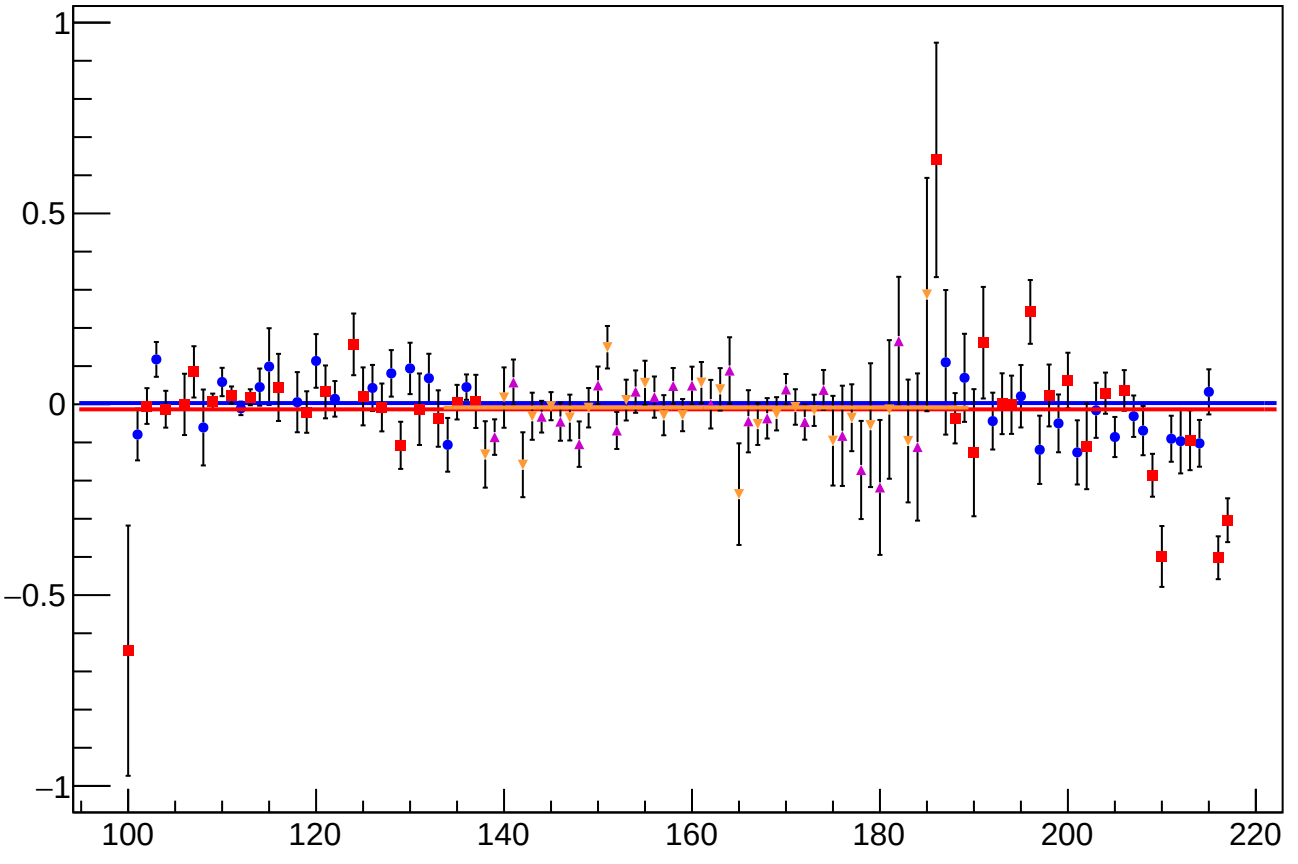
Right Out: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.061+/-0.005 χ^2/NDF: 15047459.2/55

All: 38.393+/-0.004 χ^2/NDF: 32263450.2/114

- sign 36.921+/-0.005 χ^2/NDF: 17026621.3/58



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

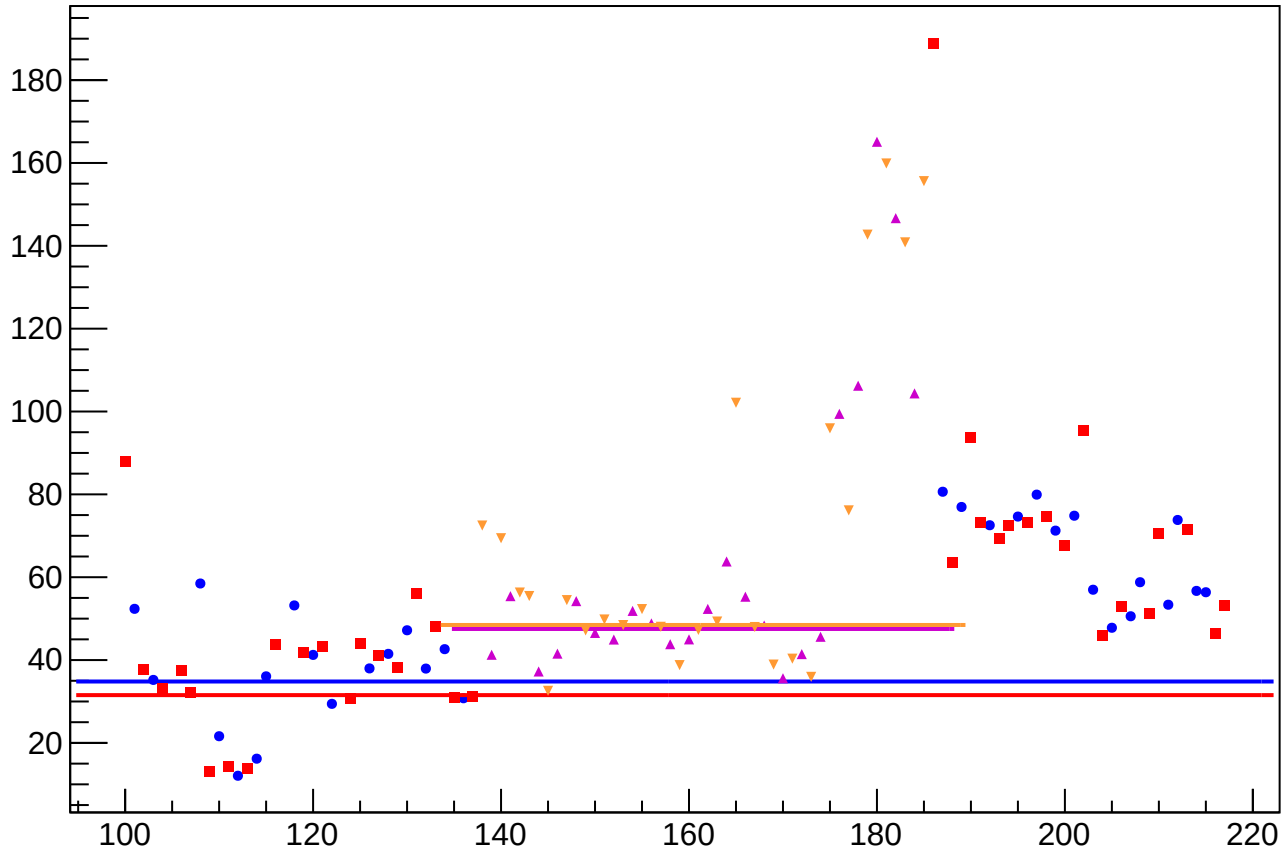
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.001+/-0.007 χ^2/NDF: 65.2/55

All: -0.007+/-0.005 χ^2/NDF: 236.7/114

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 34.824+/-0.007 χ^2/NDF: 9081518.7/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

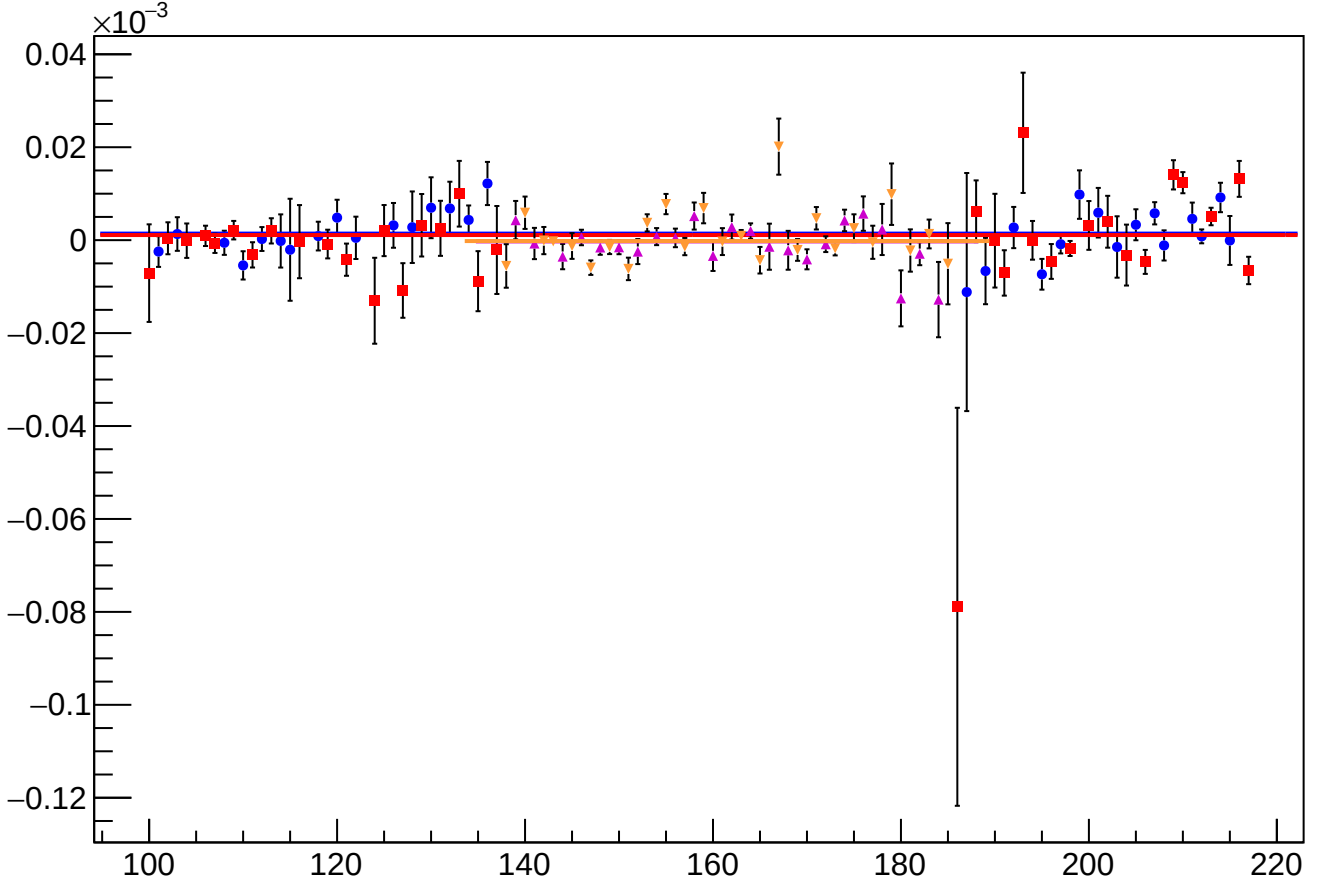
Right Out: 31.538+/-0.006 χ^2/NDF: 11616813.8/35

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.061+/-0.005 χ^2/NDF: 15047459.2/55

All: 38.393+/-0.004 χ^2/NDF: 32263450.2/114

- sign 36.921+/-0.005 χ^2/NDF: 17026621.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 41.1/30

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 101.5/35

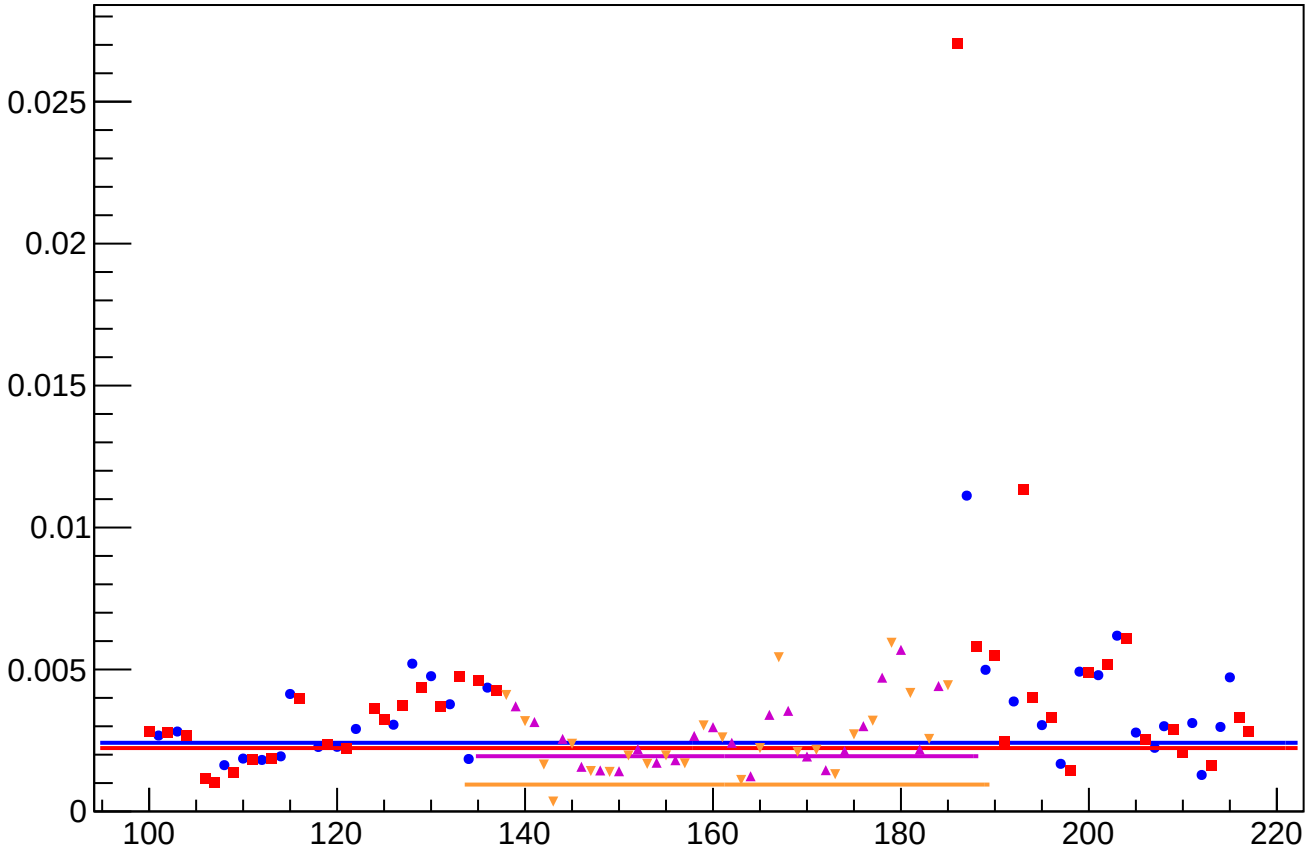
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 118.2/55

All: 0.000+/-0.000 χ^2/NDF: 254.1/114

- sign 0.000+/-0.000 χ^2/NDF: 135.7/58

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5909597.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

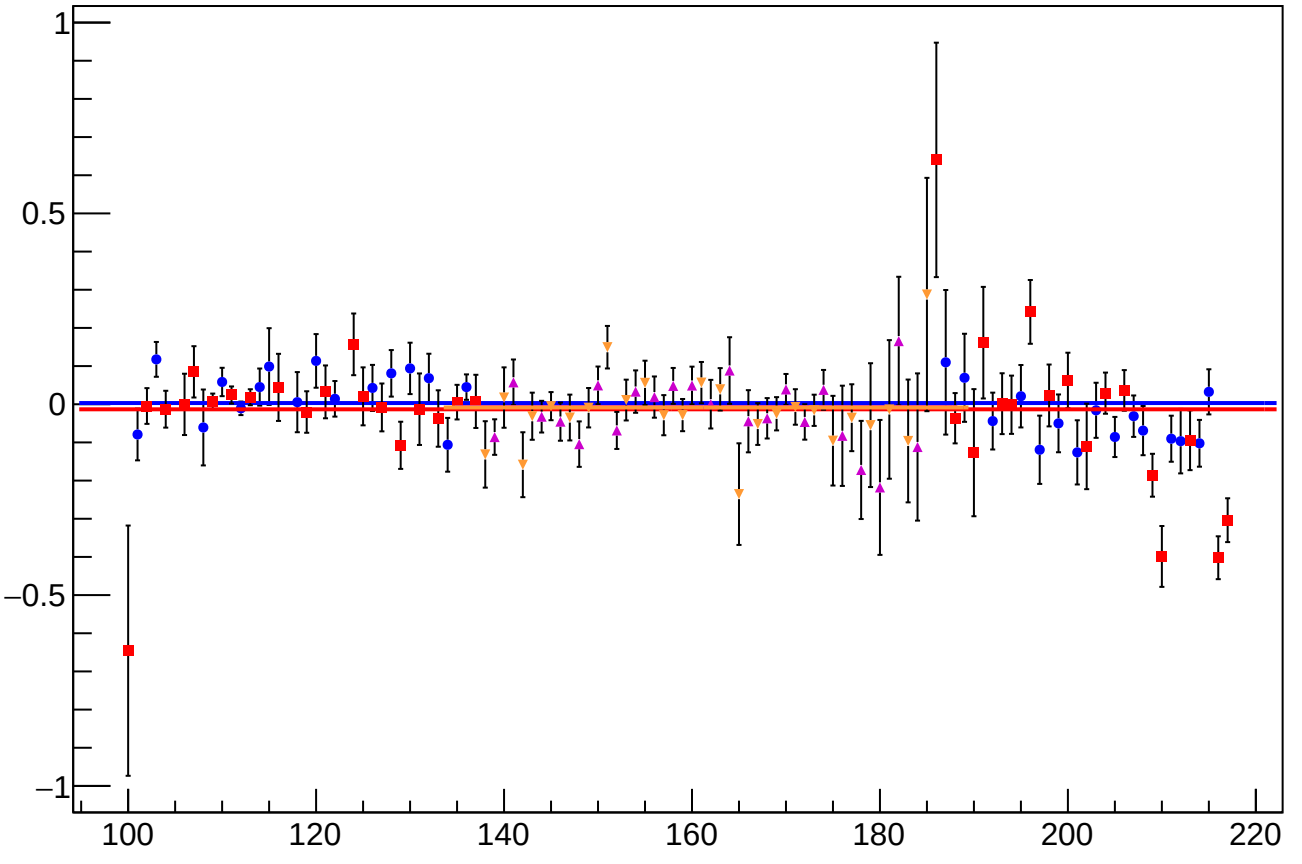
Right Out: 0.002+/-0.000 χ^2/NDF: 8784275.4/35

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 32721347.1/55

All: 0.002+/-0.000 χ^2/NDF: 52779719.7/114

- sign 0.002+/-0.000 χ^2/NDF: 13435618.4/58



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

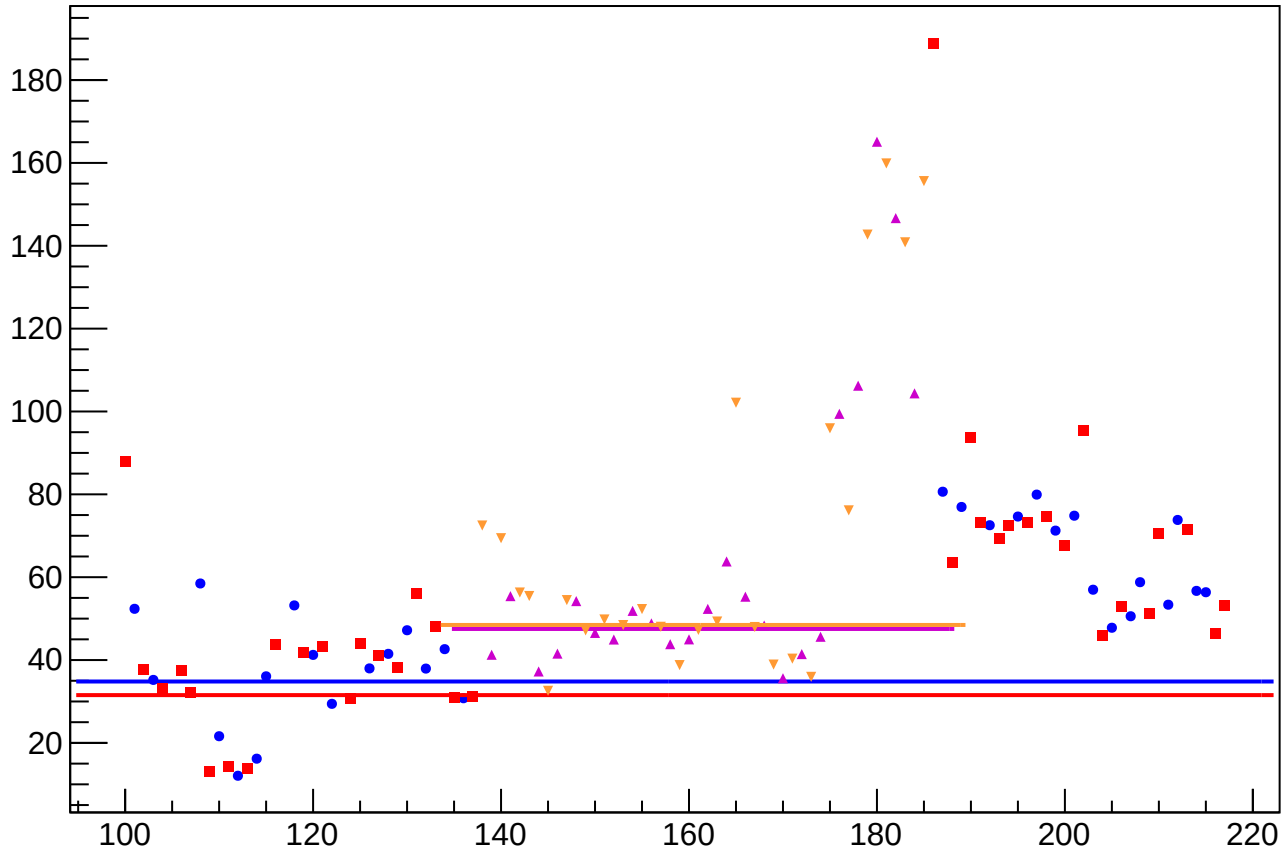
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.001+/-0.007 χ^2/NDF: 65.2/55

All: -0.007+/-0.005 χ^2/NDF: 236.7/114

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 34.822+/-0.007 χ^2/NDF: 9082371.3/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

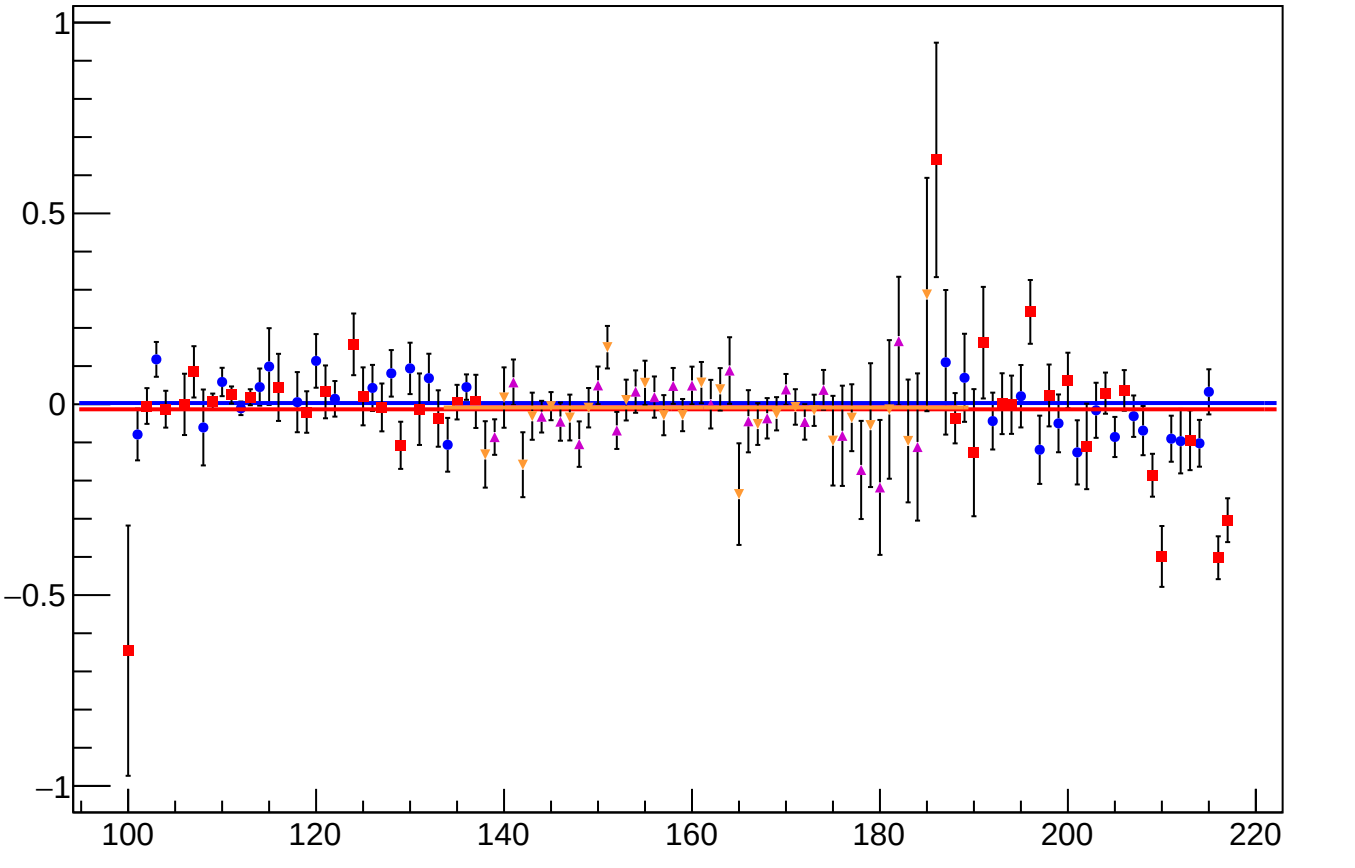
Right Out: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.060+/-0.005 χ^2/NDF: 15048681.9/55

All: 38.392+/-0.004 χ^2/NDF: 32265036.9/114

- sign 36.921+/-0.005 χ^2/NDF: 17027070.8/58



Right In: 0.003+/-0.009 χ^2/NDF: 41.5/30

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

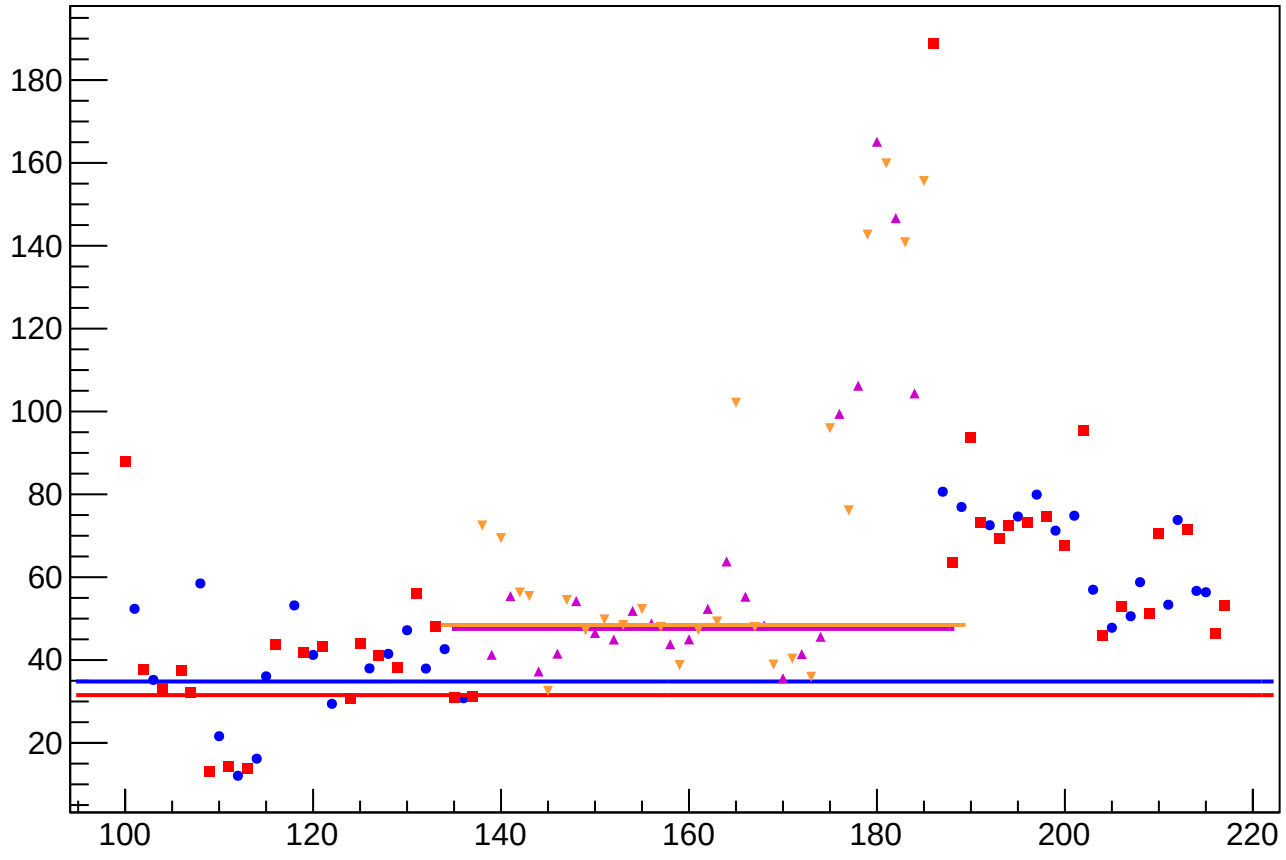
Right Out: -0.013+/-0.009 χ^2/NDF: 147.1/35

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.001+/-0.007 χ^2/NDF: 65.2/55

All: -0.007+/-0.005 χ^2/NDF: 236.7/114

- sign -0.011+/-0.007 χ^2/NDF: 170.5/58



Right In: 34.822+/-0.007 χ^2/NDF: 9082371.3/30

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

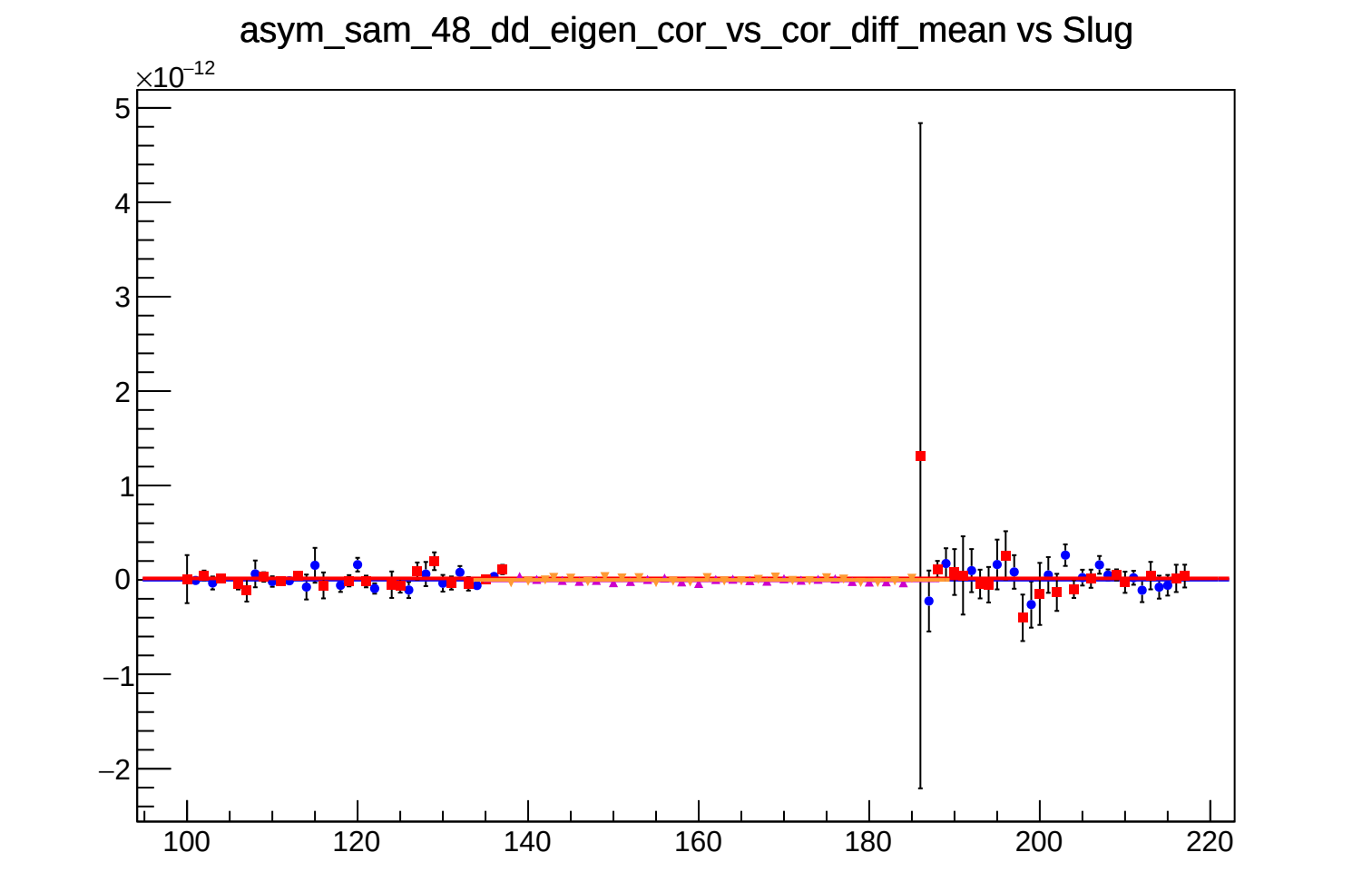
Right Out: 31.537+/-0.006 χ^2/NDF: 11617139.4/35

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.060+/-0.005 χ^2/NDF: 15048681.9/55

All: 38.392+/-0.004 χ^2/NDF: 32265036.9/114

- sign 36.921+/-0.005 χ^2/NDF: 17027070.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

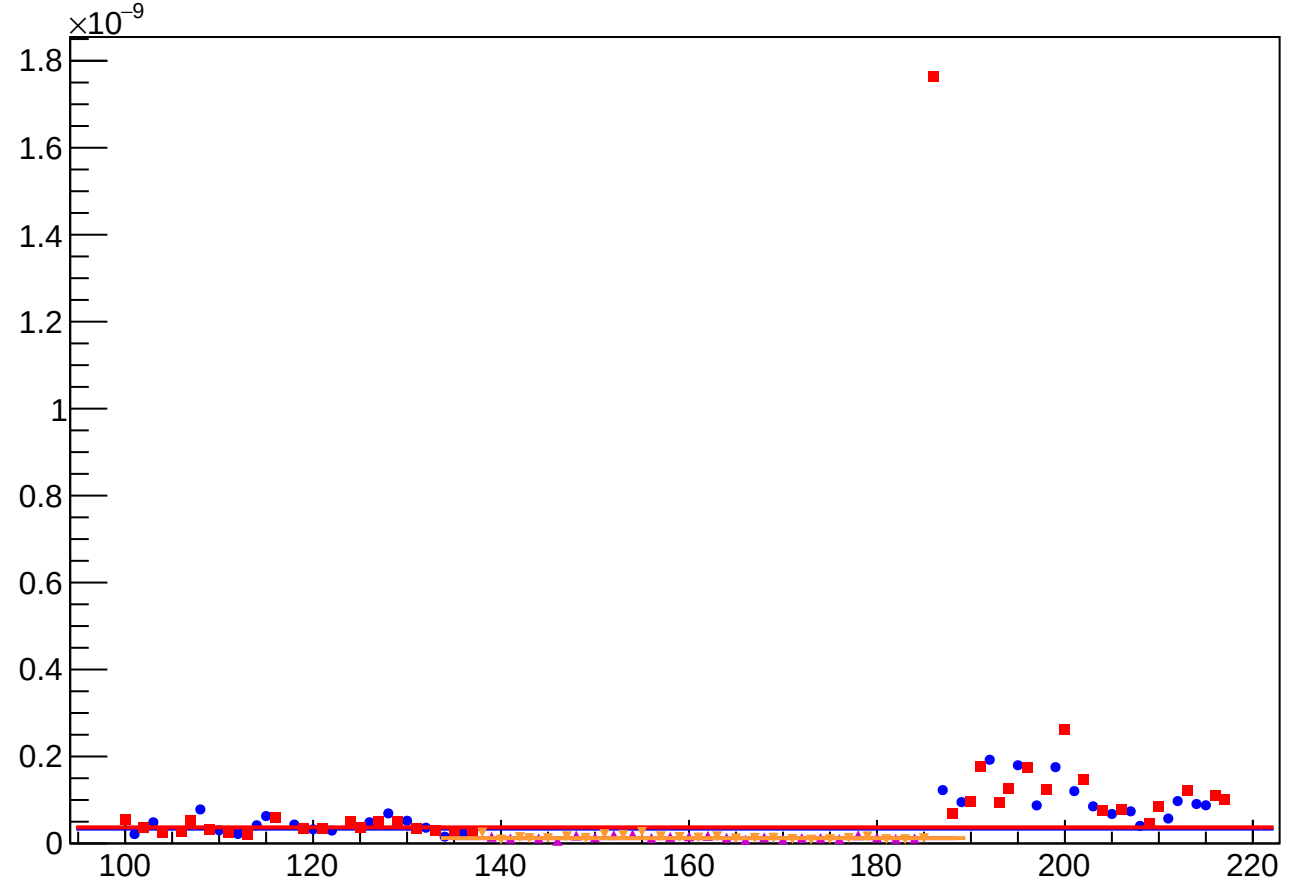
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/35

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

+ sign 0.000+/-0.000 χ^2/NDF: 64.5/55

All: -0.000+/-0.000 χ^2/NDF: 110.4/114

- sign -0.000+/-0.000 χ^2/NDF: 45.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8398240.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8706212.9/35

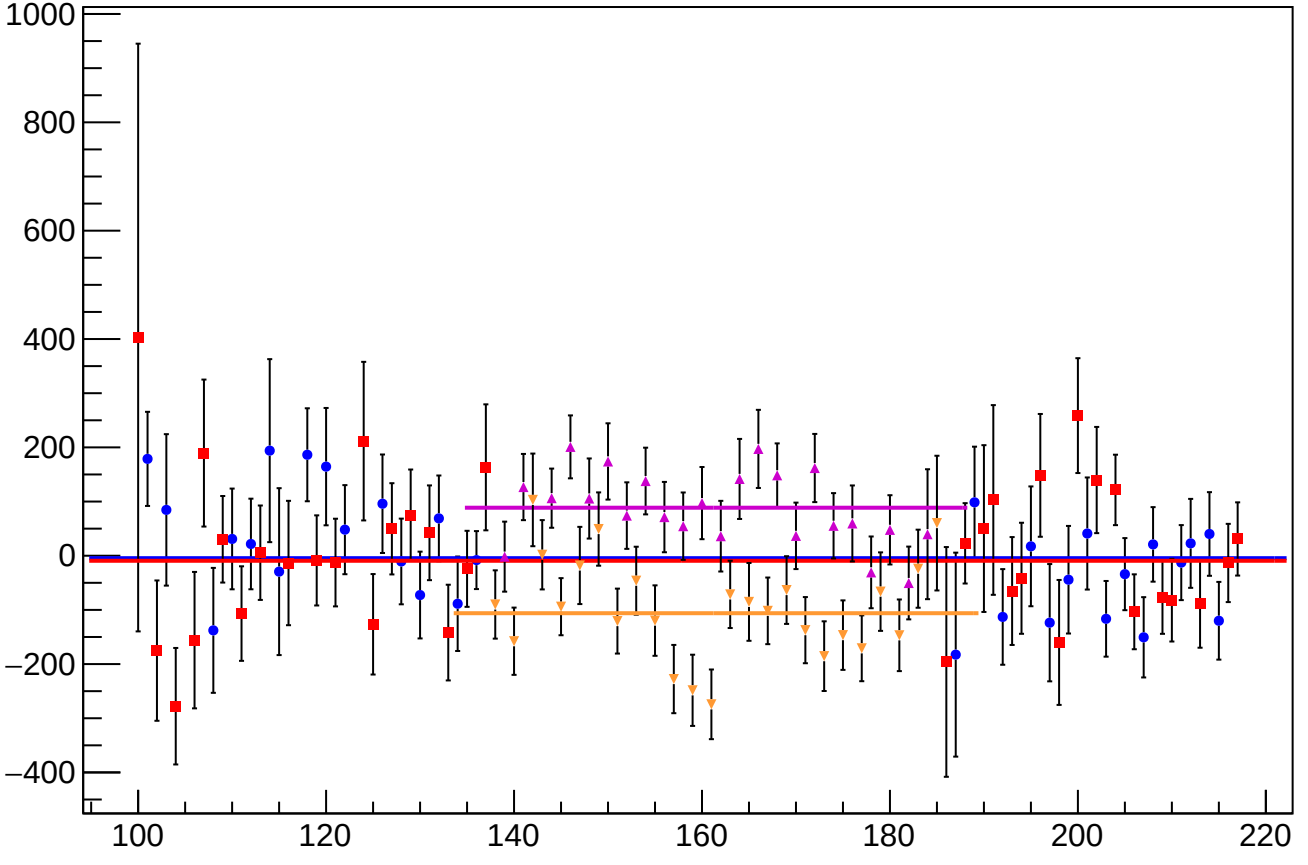
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16723799.4/55

All: 0.000+/-0.000 χ^2/NDF: 34940468.1/114

- sign 0.000+/-0.000 χ^2/NDF: 18214956.8/58

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -4.532+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -9.304+/-15.315 χ^2/NDF: 47.1/35

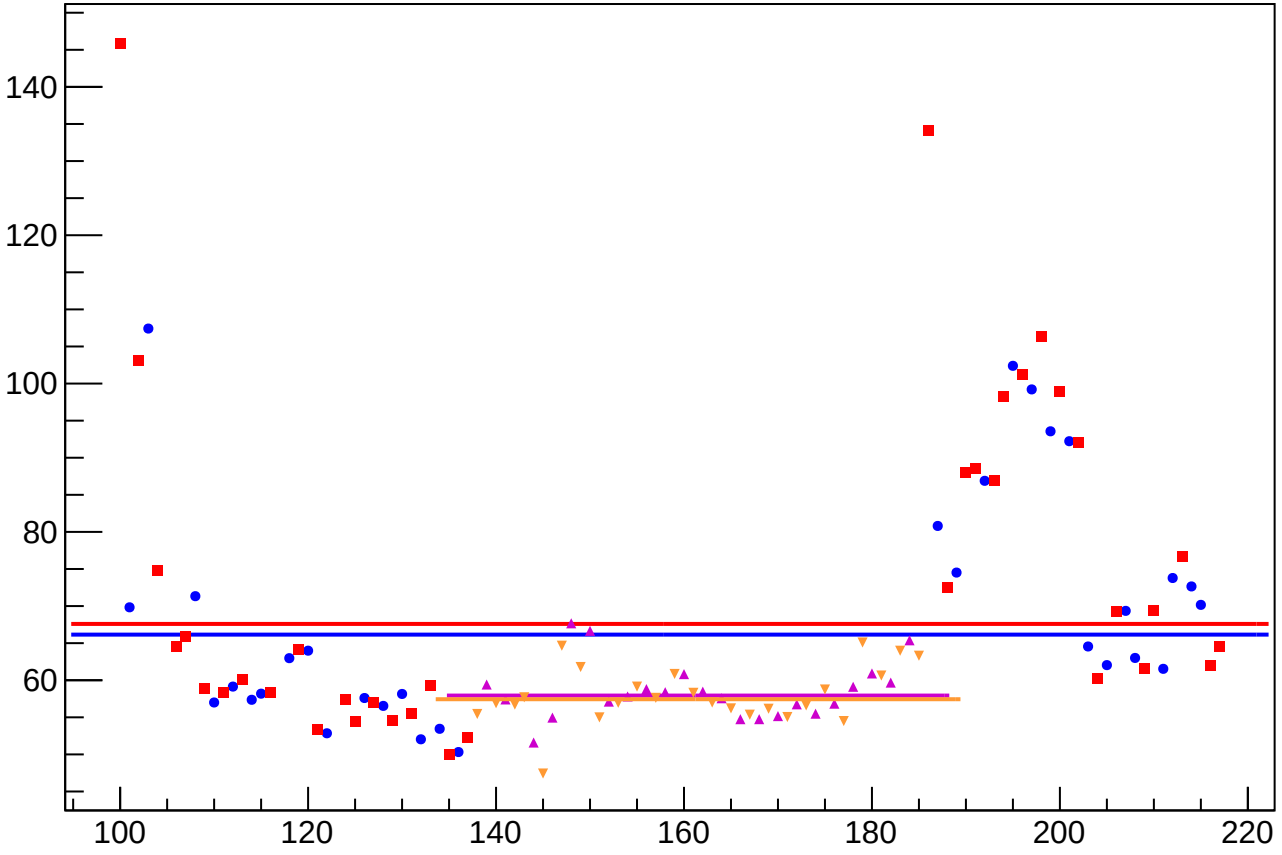
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -63.611+/-9.983 χ^2/NDF: 100.1/55

All: -9.957+/-7.119 χ^2/NDF: 252.8/114

- sign 45.565+/-10.155 χ^2/NDF: 93.9/58

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 66.151+/-0.011 χ^2/NDF: 1510165.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.593+/-0.011 χ^2/NDF: 1998358.2/35

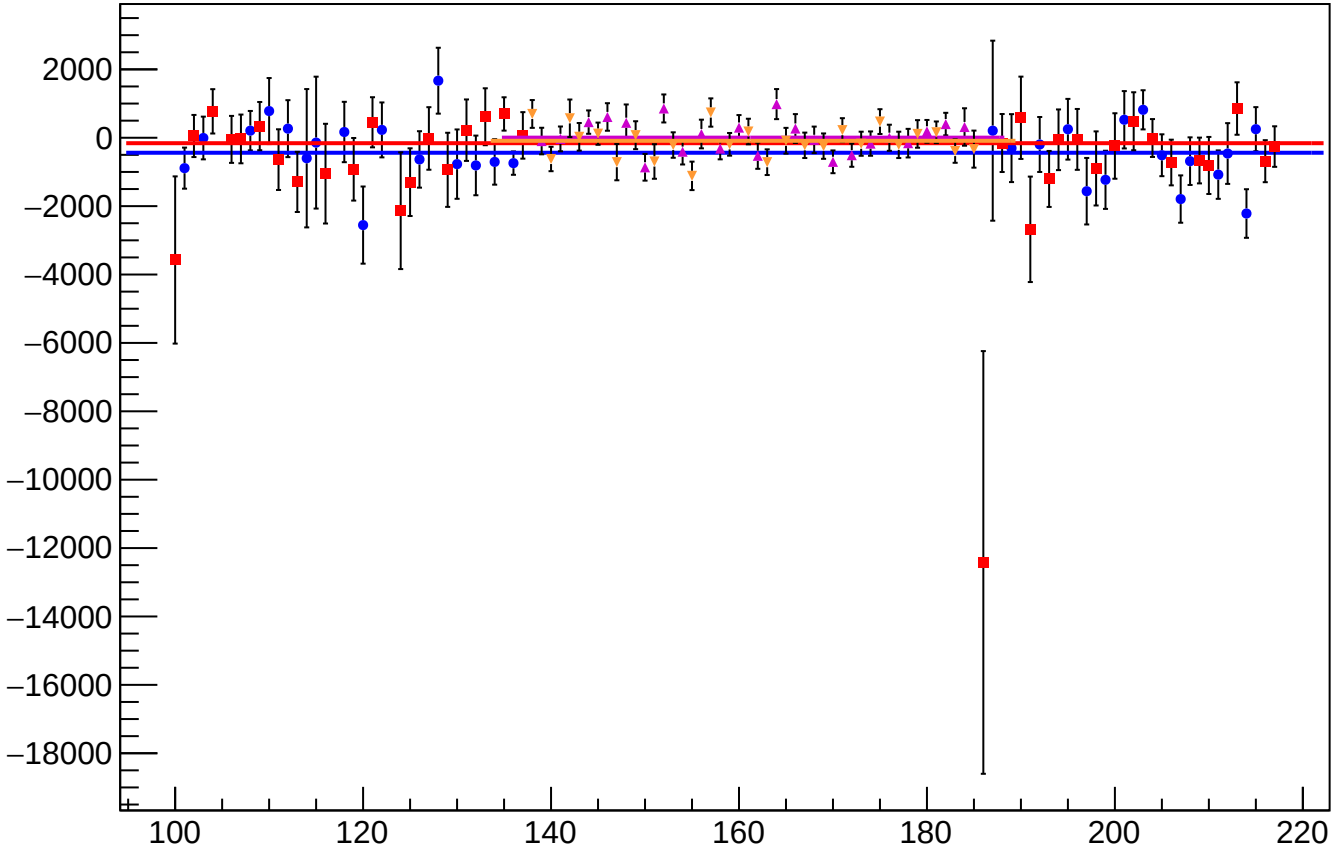
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.084+/-0.007 χ^2/NDF: 2055254.1/55

All: 61.623+/-0.005 χ^2/NDF: 4647207.6/114

- sign 62.180+/-0.007 χ^2/NDF: 2580111.2/58

asym_sam_13_57_dd_reg_correction_mean vs Slug



Right In: -438.717+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -159.141+/-133.532 χ^2/NDF: 30.0/35

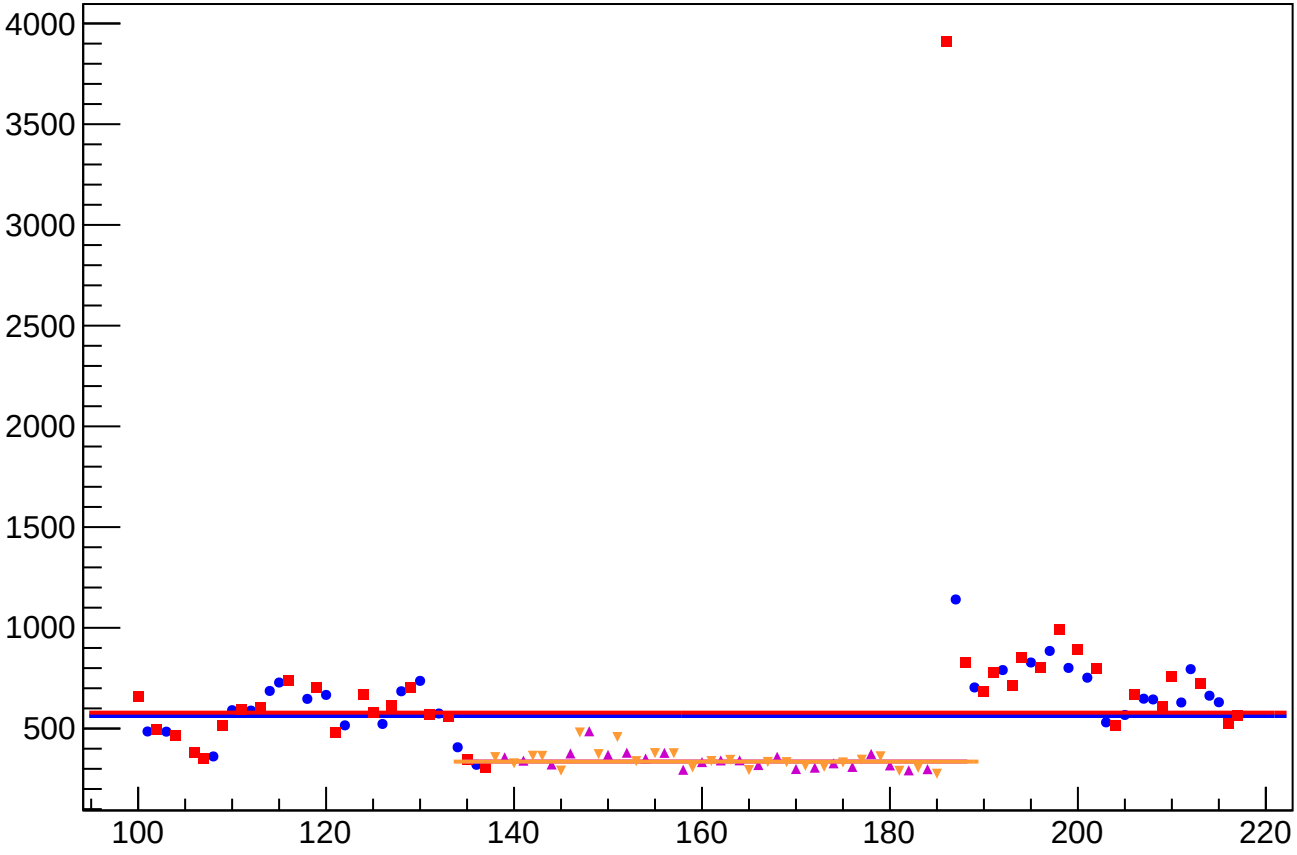
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -176.251+/-66.722 χ^2/NDF: 71.7/55

All: -109.120+/-47.664 χ^2/NDF: 138.5/114

- sign -39.156+/-68.115 χ^2/NDF: 64.7/58

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 562.244+/-0.094 χ^2/NDF: 2826975.6/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 578.949+/-0.094 χ^2/NDF: 3456122.7/35

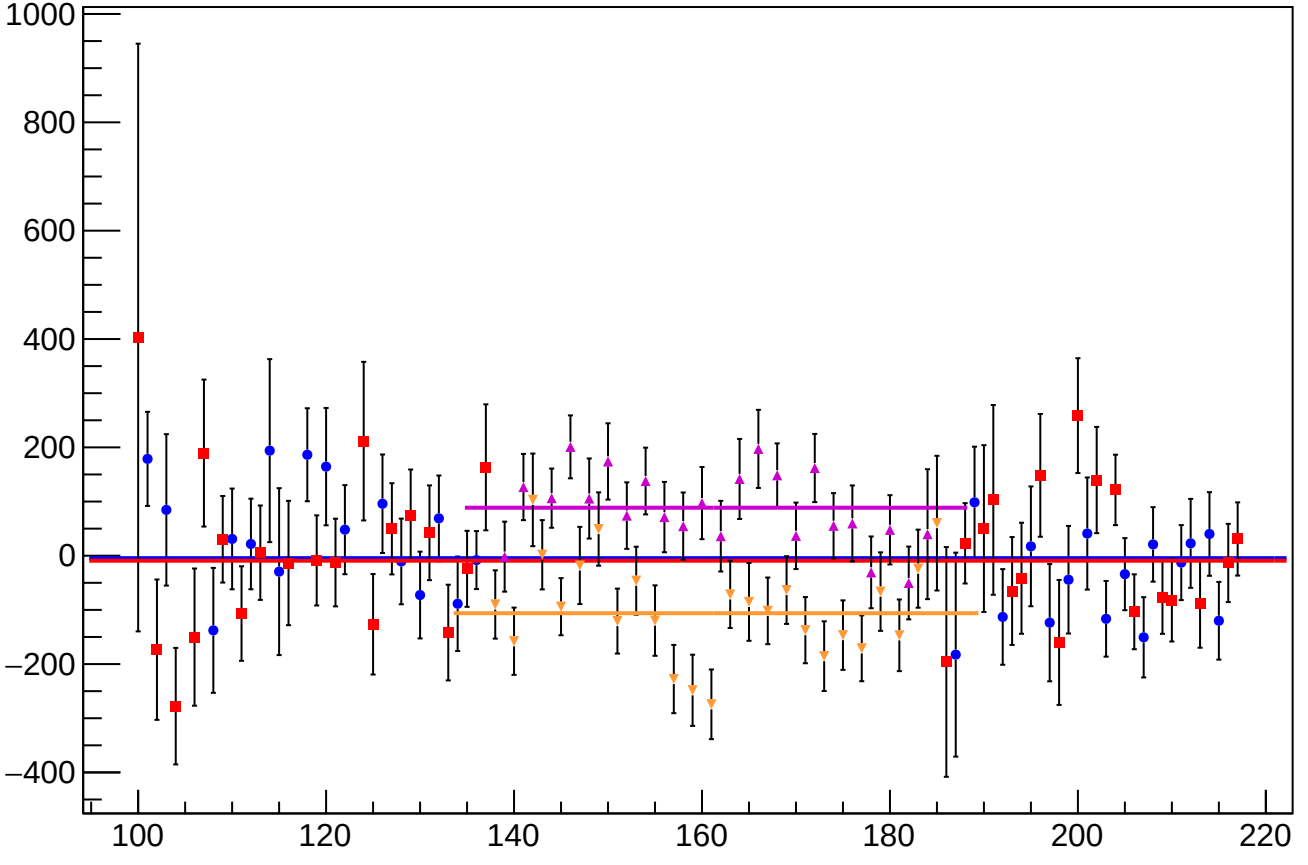
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 392.338+/-0.047 χ^2/NDF: 7669217.3/55

All: 395.830+/-0.034 χ^2/NDF: 16434704.5/11

- sign 399.470+/-0.048 χ^2/NDF: 8754295.2/58

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -4.536+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -9.171+/-15.316 χ^2/NDF: 47.0/35

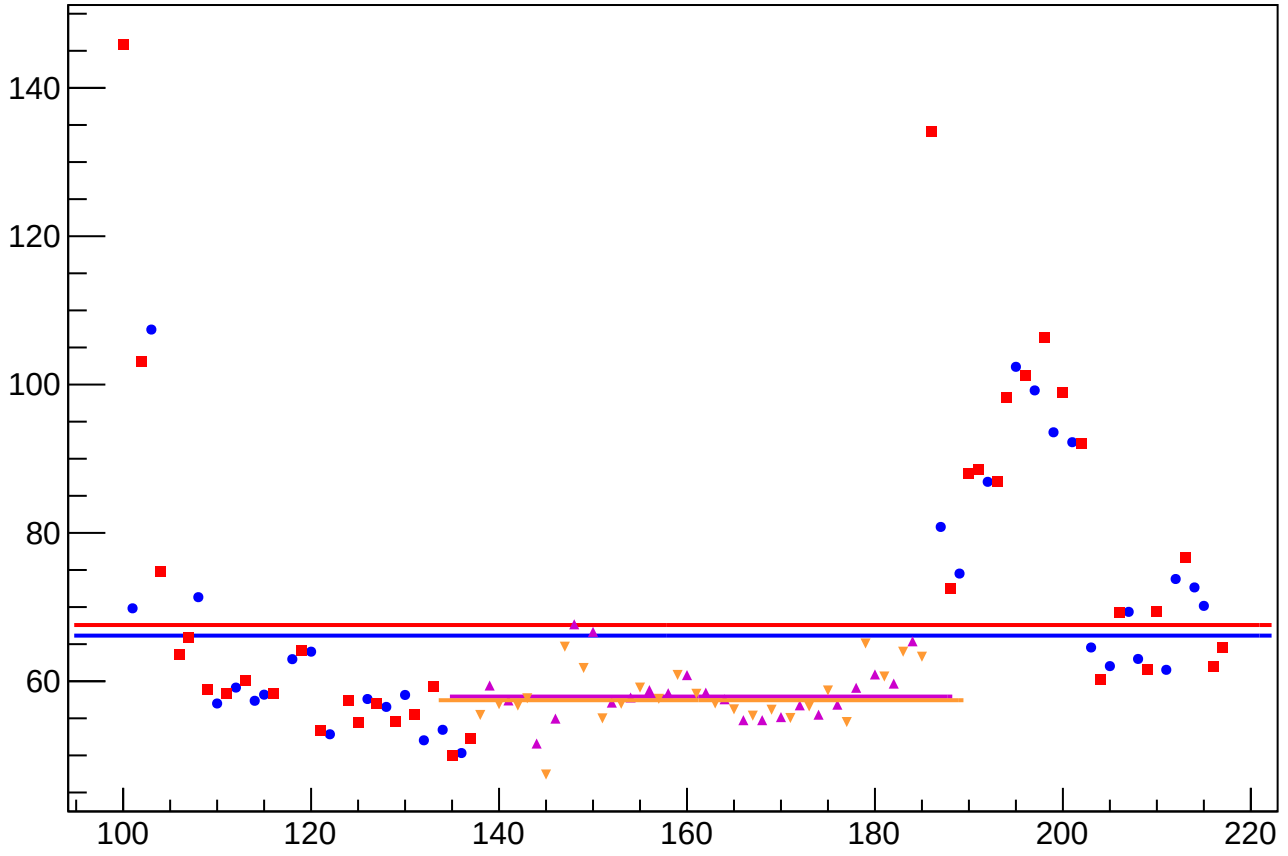
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.613+/-9.983 χ^2/NDF: 100.1/55

All: -9.928+/-7.119 χ^2/NDF: 252.7/114

- sign 45.630+/-10.155 χ^2/NDF: 93.7/58

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 66.151+/-0.011 χ^2/NDF: 1510167.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

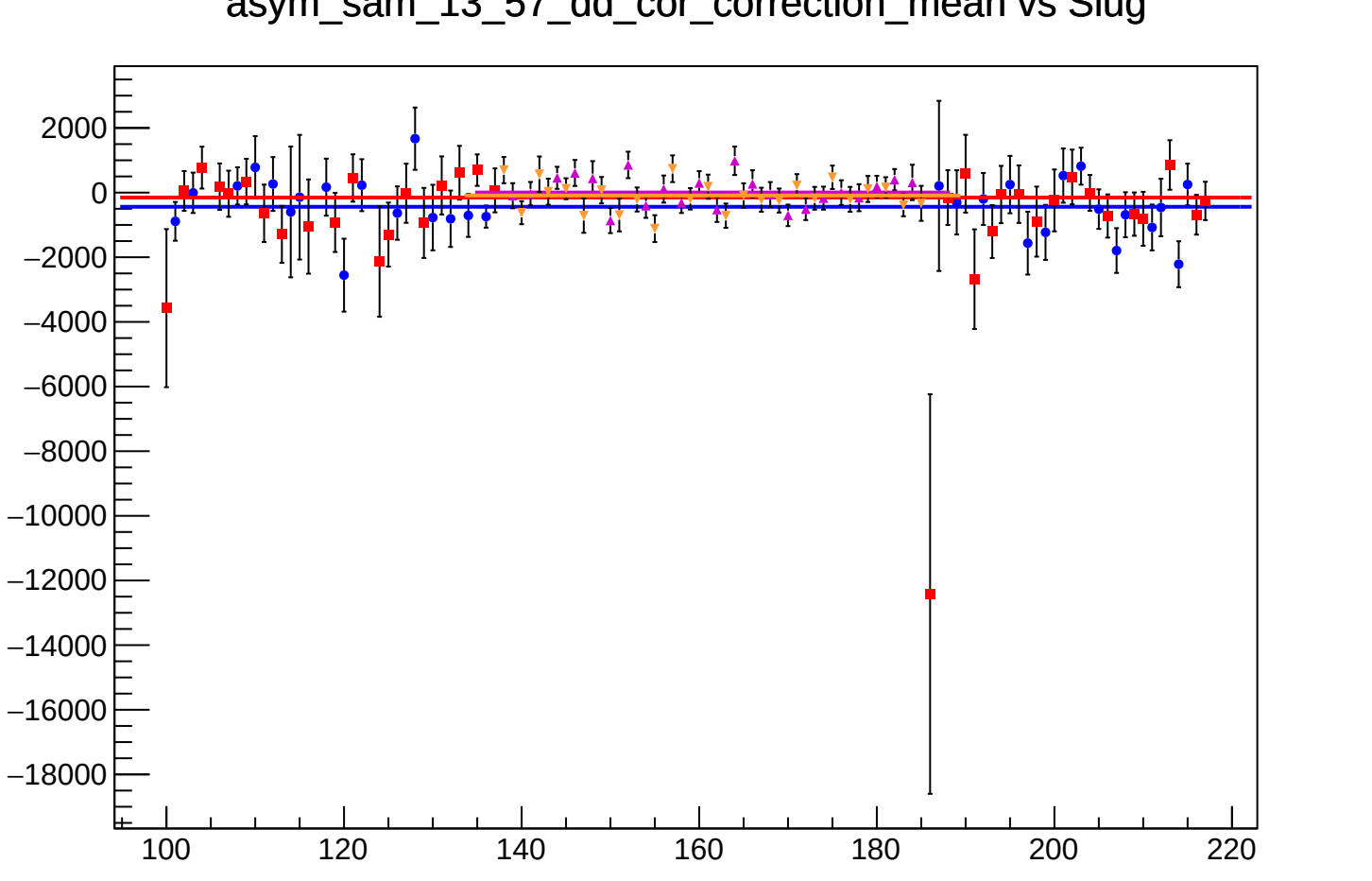
Right Out: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.084+/-0.007 χ^2/NDF: 2055256.2/55

All: 61.619+/-0.005 χ^2/NDF: 4646813.3/114

- sign 62.173+/-0.007 χ^2/NDF: 2579854.9/58



Right In: -438.701+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -151.437+/-133.751 χ^2/NDF: 30.2/35

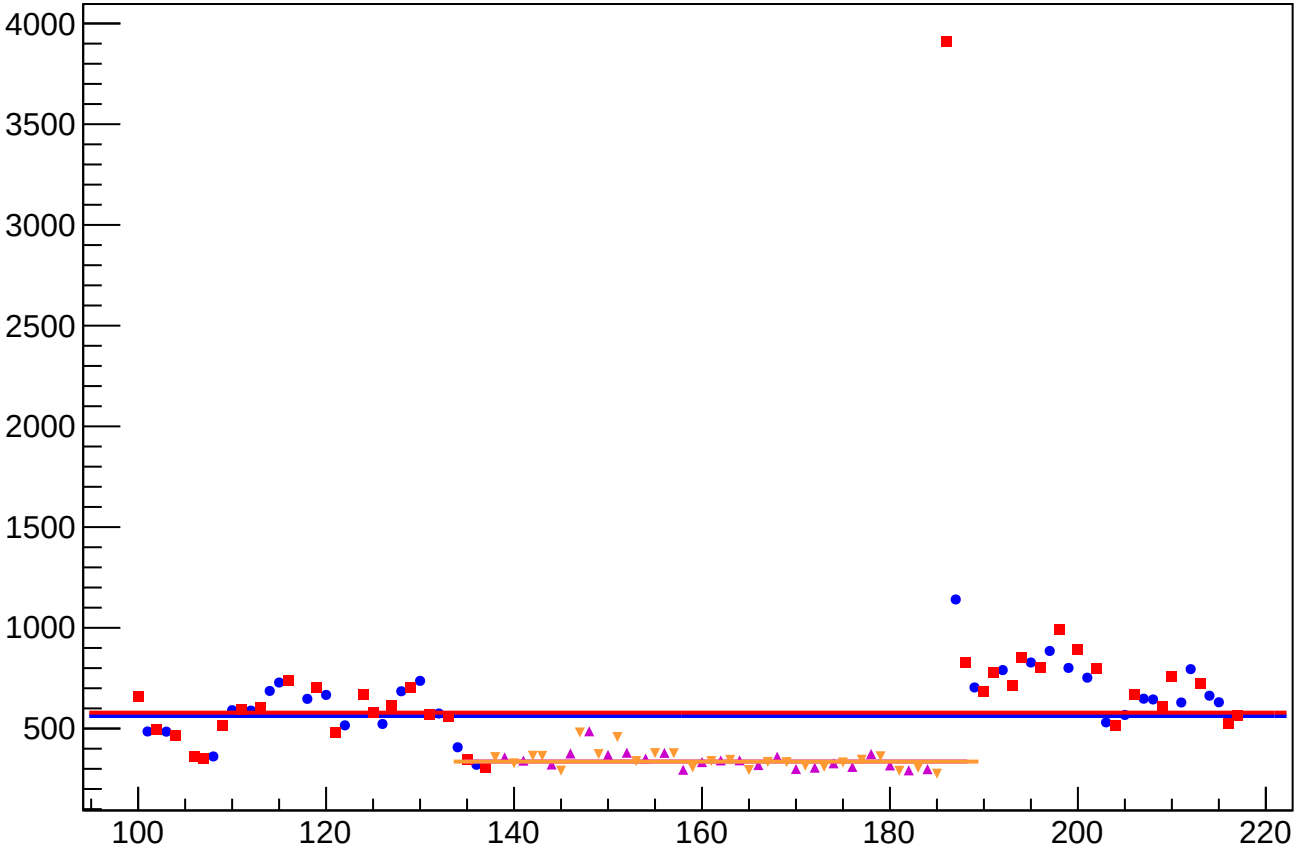
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -176.248+/-66.722 χ^2/NDF: 71.7/55

All: -108.118+/-47.674 χ^2/NDF: 138.6/114

- sign -37.053+/-68.144 χ^2/NDF: 64.8/58

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 562.246+/-0.094 χ^2/NDF: 2826941.0/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

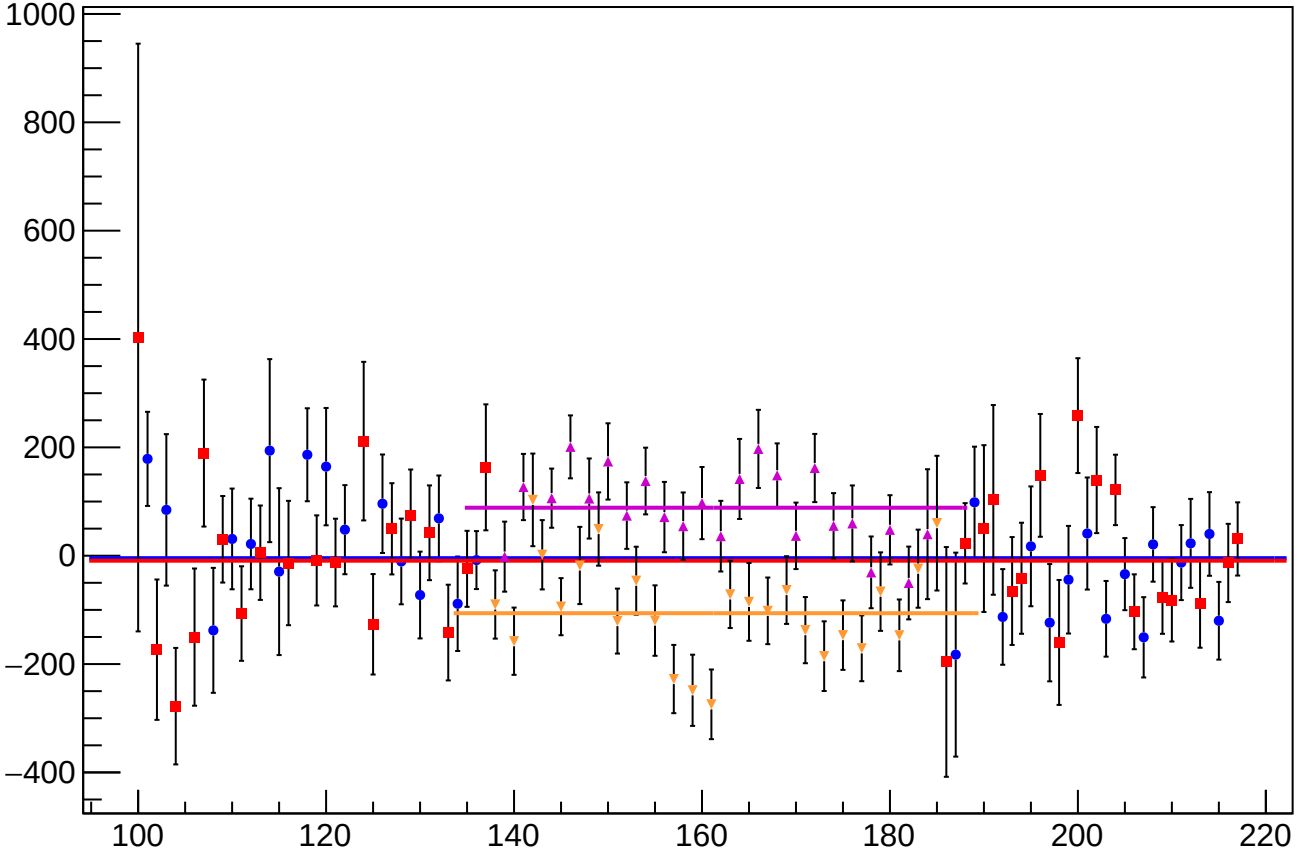
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 392.338+/-0.047 χ^2/NDF: 7669239.7/55

All: 395.746+/-0.034 χ^2/NDF: 16439049.6/11

- sign 399.300+/-0.048 χ^2/NDF: 8759151.6/58

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -4.536+/-15.435 χ^2/NDF: 34.2/30

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -9.171+/-15.316 χ^2/NDF: 47.0/35

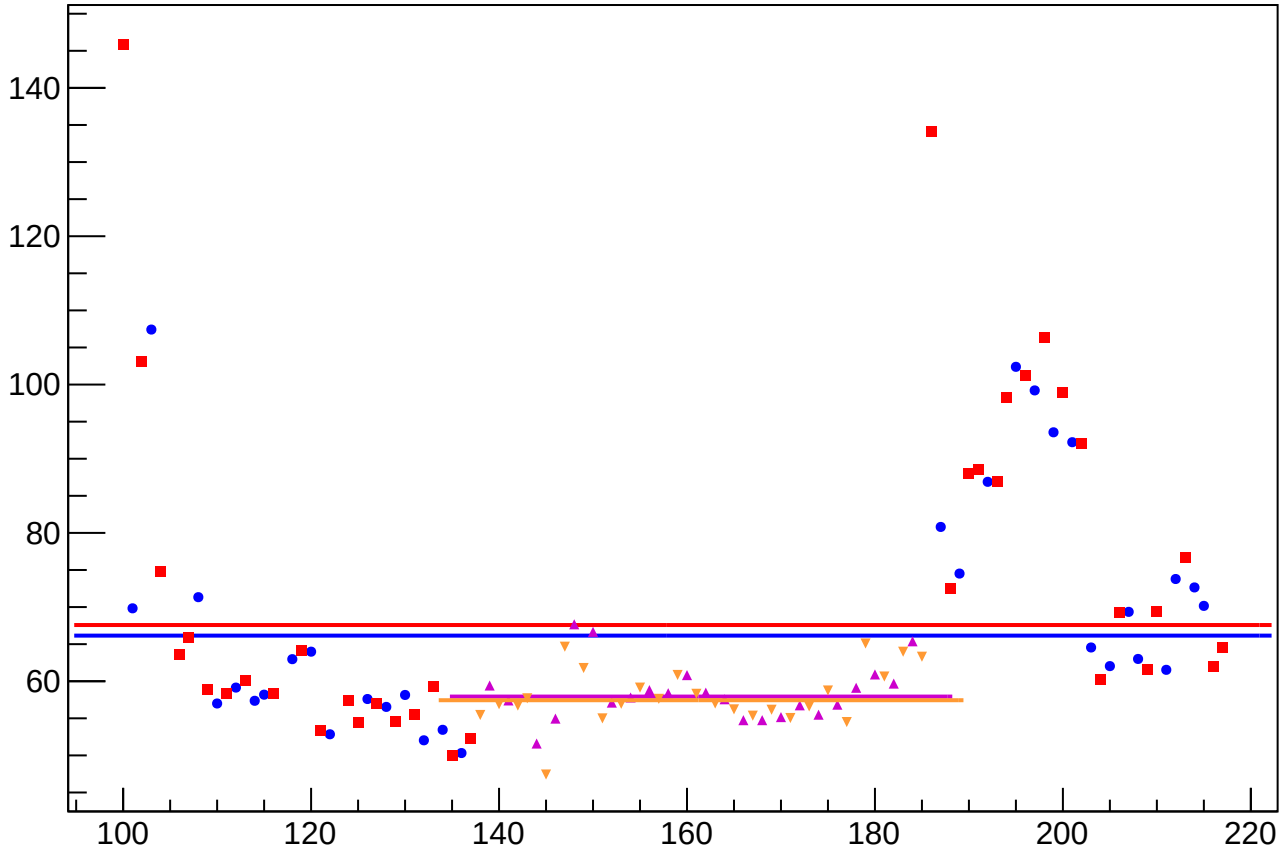
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -63.613+/-9.983 χ^2/NDF: 100.1/55

All: -9.928+/-7.119 χ^2/NDF: 252.7/114

- sign 45.630+/-10.155 χ^2/NDF: 93.7/58

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 66.151+/-0.011 χ^2/NDF: 1510167.6/30

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

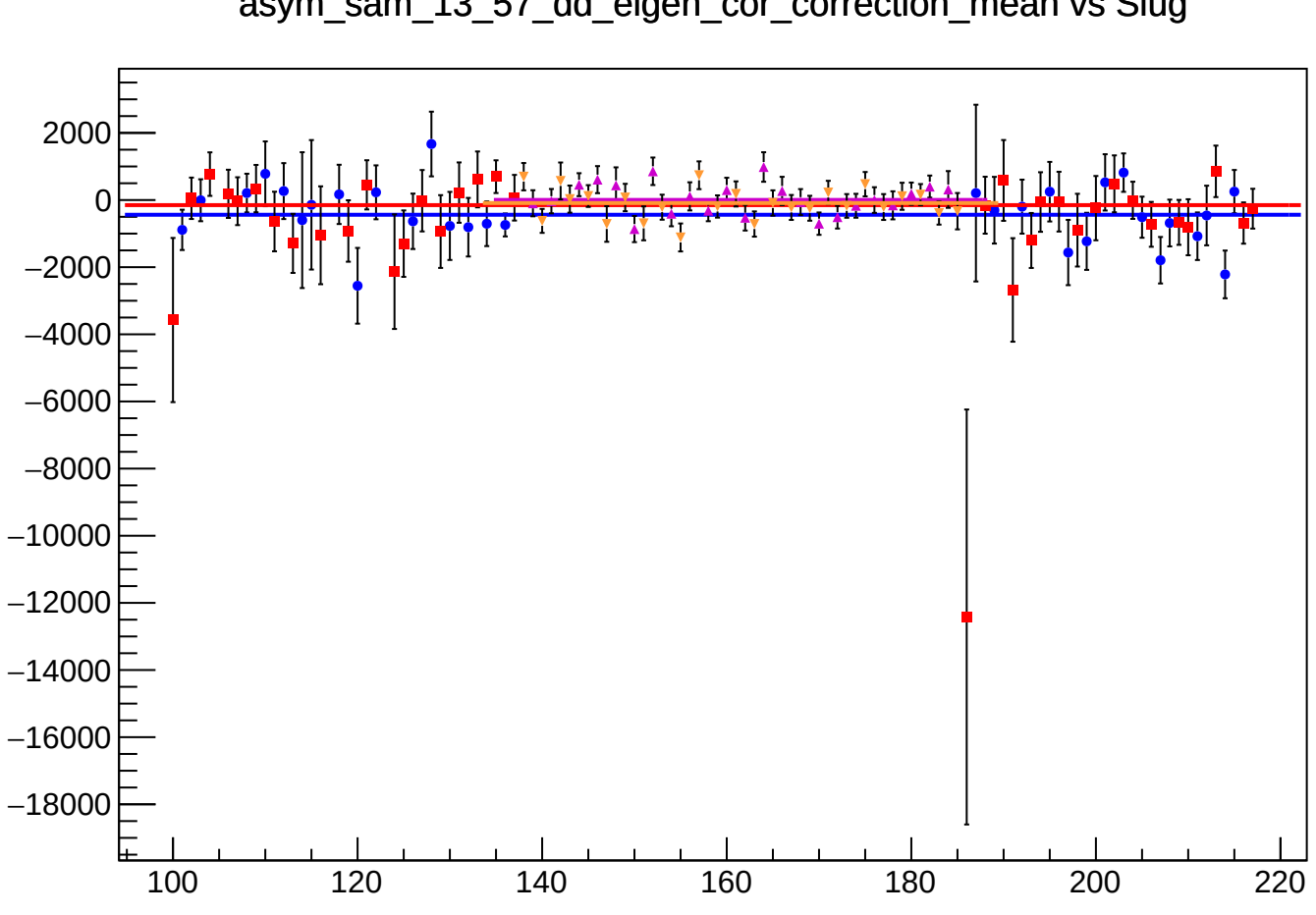
Right Out: 67.579+/-0.011 χ^2/NDF: 1999417.3/35

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.084+/-0.007 χ^2/NDF: 2055256.2/55

All: 61.619+/-0.005 χ^2/NDF: 4646813.3/114

- sign 62.173+/-0.007 χ^2/NDF: 2579854.9/58



Right In: -438.701+/-133.614 χ^2/NDF: 36.7/30

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -151.437+/-133.751 χ^2/NDF: 30.2/35

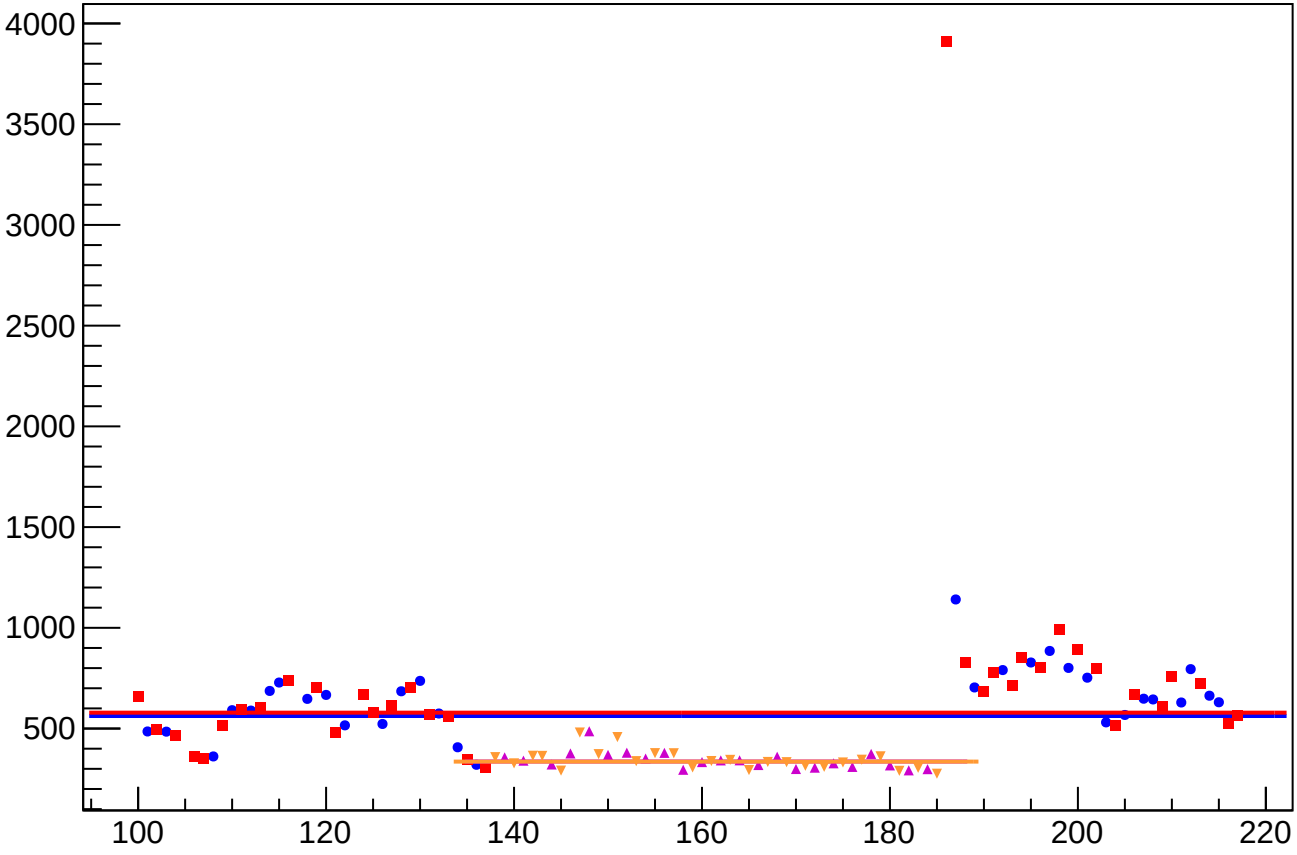
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -176.248+/-66.722 χ^2/NDF: 71.7/55

All: -108.118+/-47.674 χ^2/NDF: 138.6/114

- sign -37.053+/-68.144 χ^2/NDF: 64.8/58

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 562.246+/-0.094 χ^2/NDF: 2826941.0/30

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 578.882+/-0.095 χ^2/NDF: 3475497.6/35

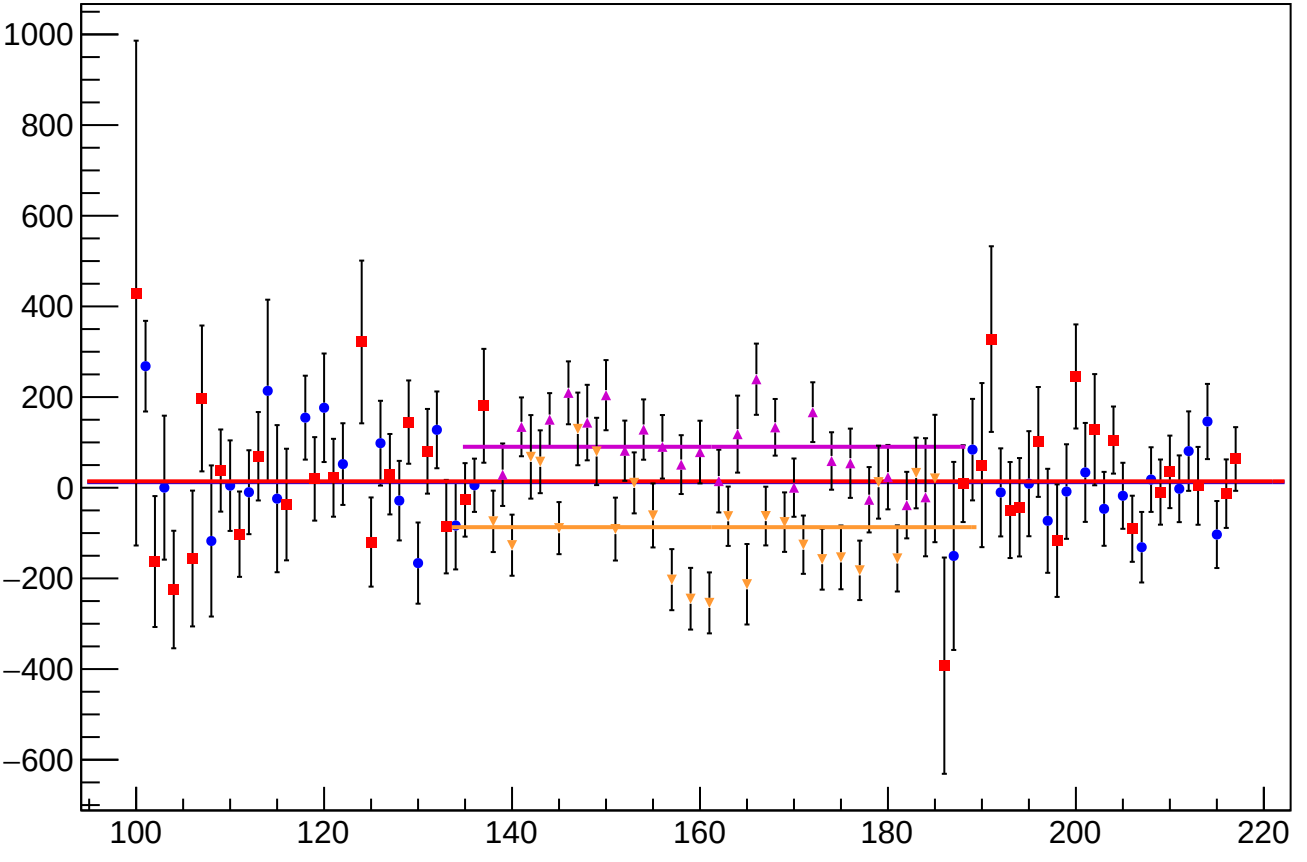
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 392.338+/-0.047 χ^2/NDF: 7669239.7/55

All: 395.746+/-0.034 χ^2/NDF: 16439049.6/11

- sign 399.300+/-0.048 χ^2/NDF: 8759151.6/58

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 12.305+/-16.786 χ^2/NDF: 32.1/30

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 14.142+/-16.780 χ^2/NDF: 37.3/35

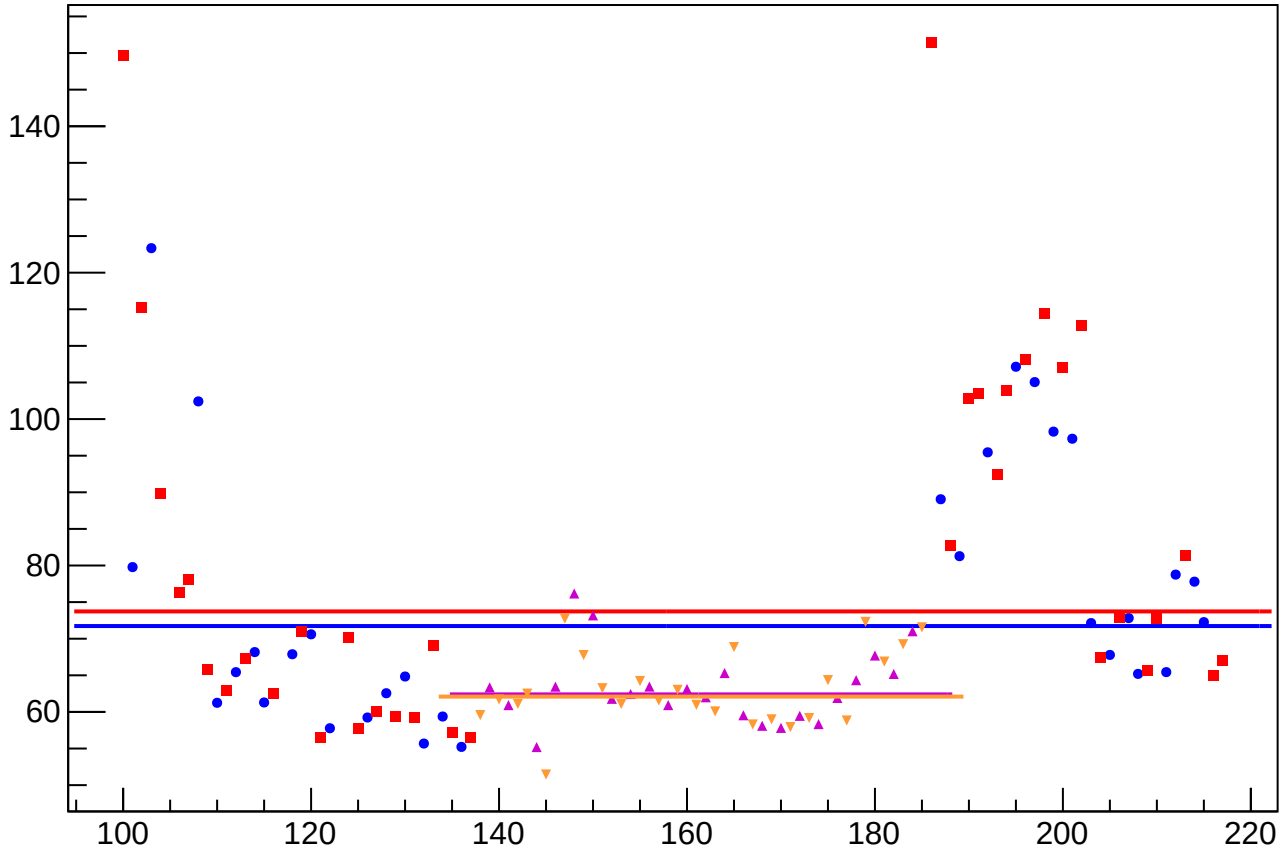
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -45.638+/-10.830 χ^2/NDF: 101.3/55

All: 4.886+/-7.731 χ^2/NDF: 219.8/114

- sign 57.378+/-11.039 χ^2/NDF: 74.0/58

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.730+/-0.012 χ^2/NDF: 1519926.1/30

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.729+/-0.012 χ^2/NDF: 2103389.8/35

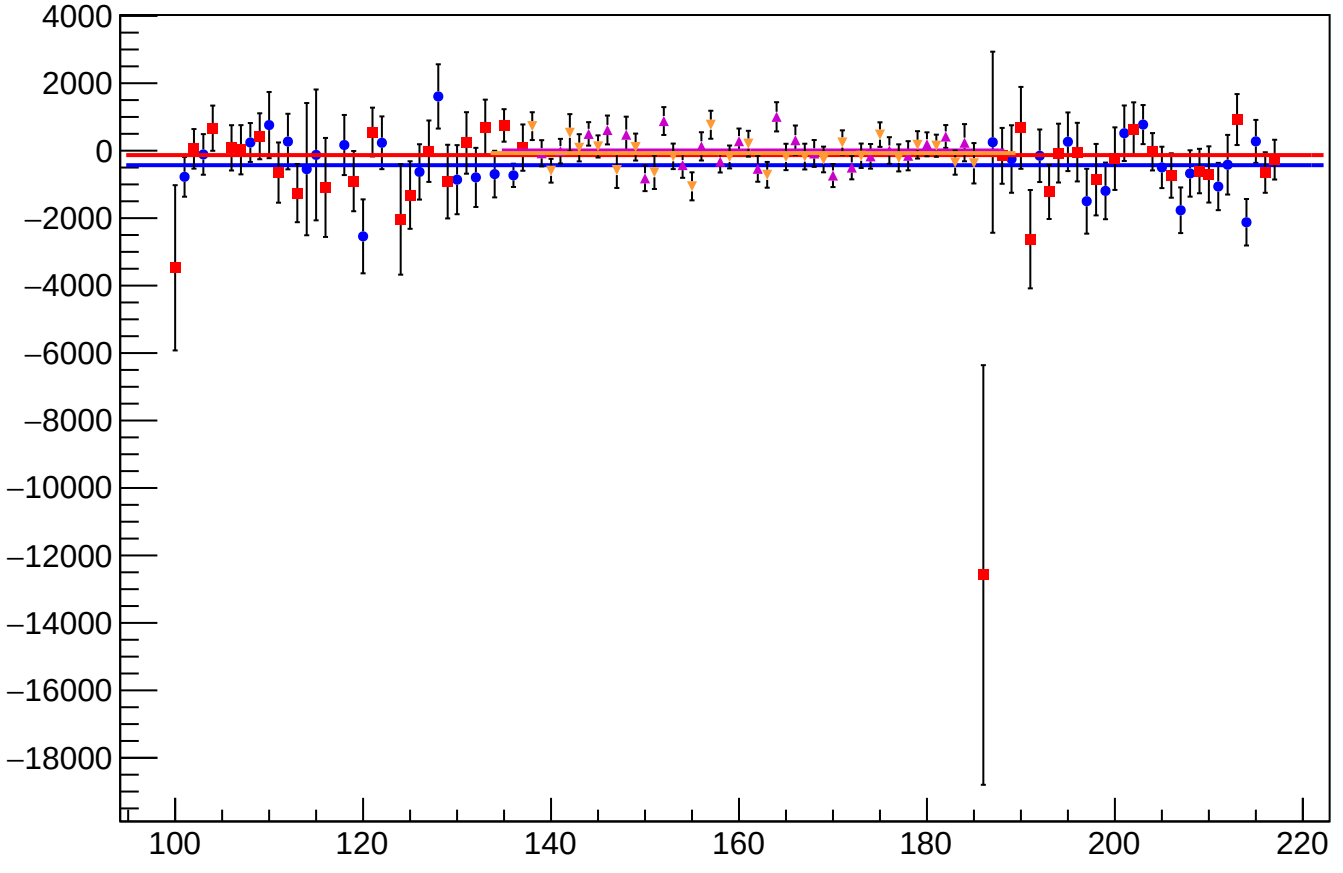
Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

\+ sign 66.105+/-0.008 χ^2/NDF: 2138086.6/55

All: 66.691+/-0.005 χ^2/NDF: 4959803.7/114

\- sign 67.300+/-0.008 χ^2/NDF: 2809769.0/58

asym_sam_13_57_dd_dit_correction_mean vs Slug



Right In: -430.195+/-132.850 χ^2/NDF: 35.6/30

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -130.776+/-131.842 χ^2/NDF: 31.5/35

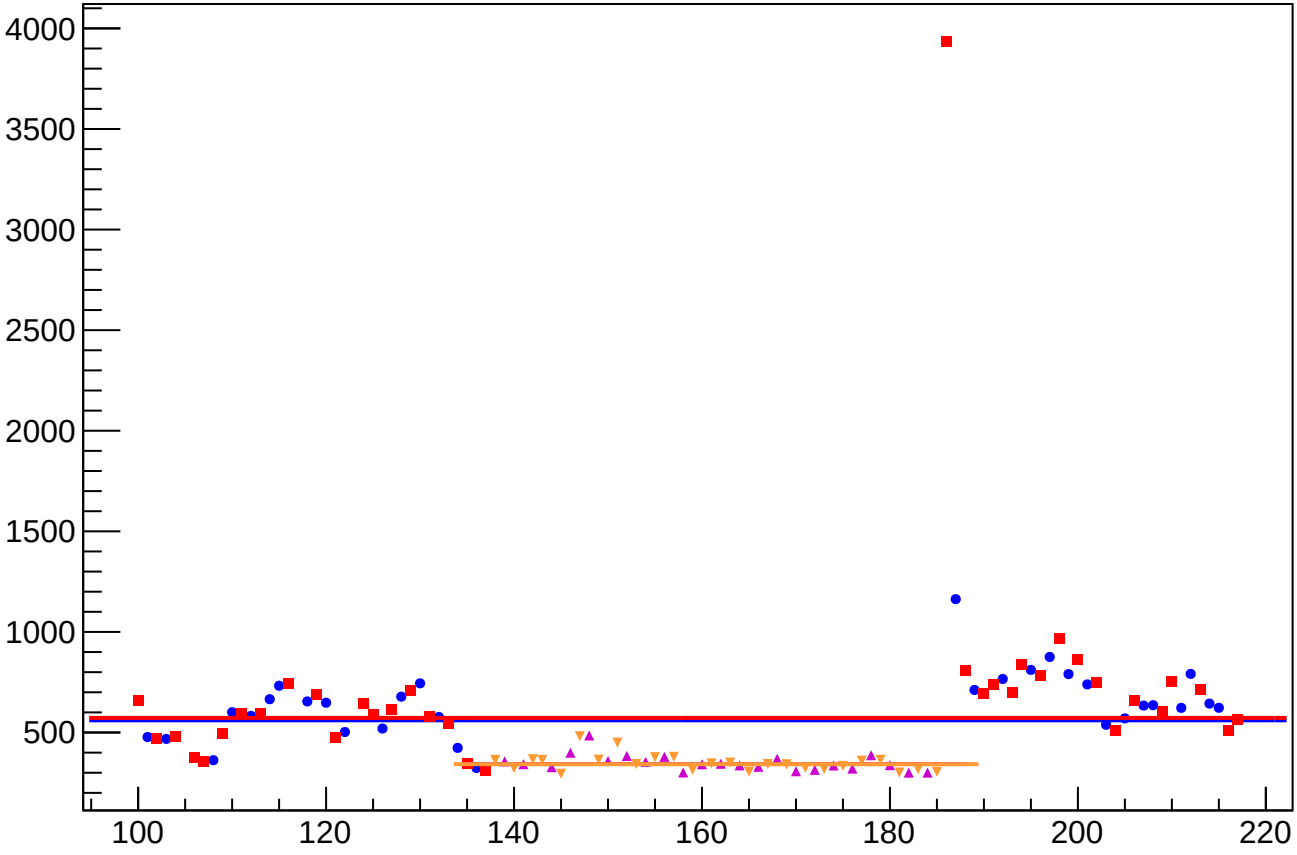
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -164.022+/-67.519 χ^2/NDF: 69.6/55

All: -98.934+/-48.213 χ^2/NDF: 137.8/114

- sign -31.221+/-68.867 χ^2/NDF: 66.3/58

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 560.701+/-0.094 χ^2/NDF: 2677911.5/30

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 572.714+/-0.093 χ^2/NDF: 3323506.4/35

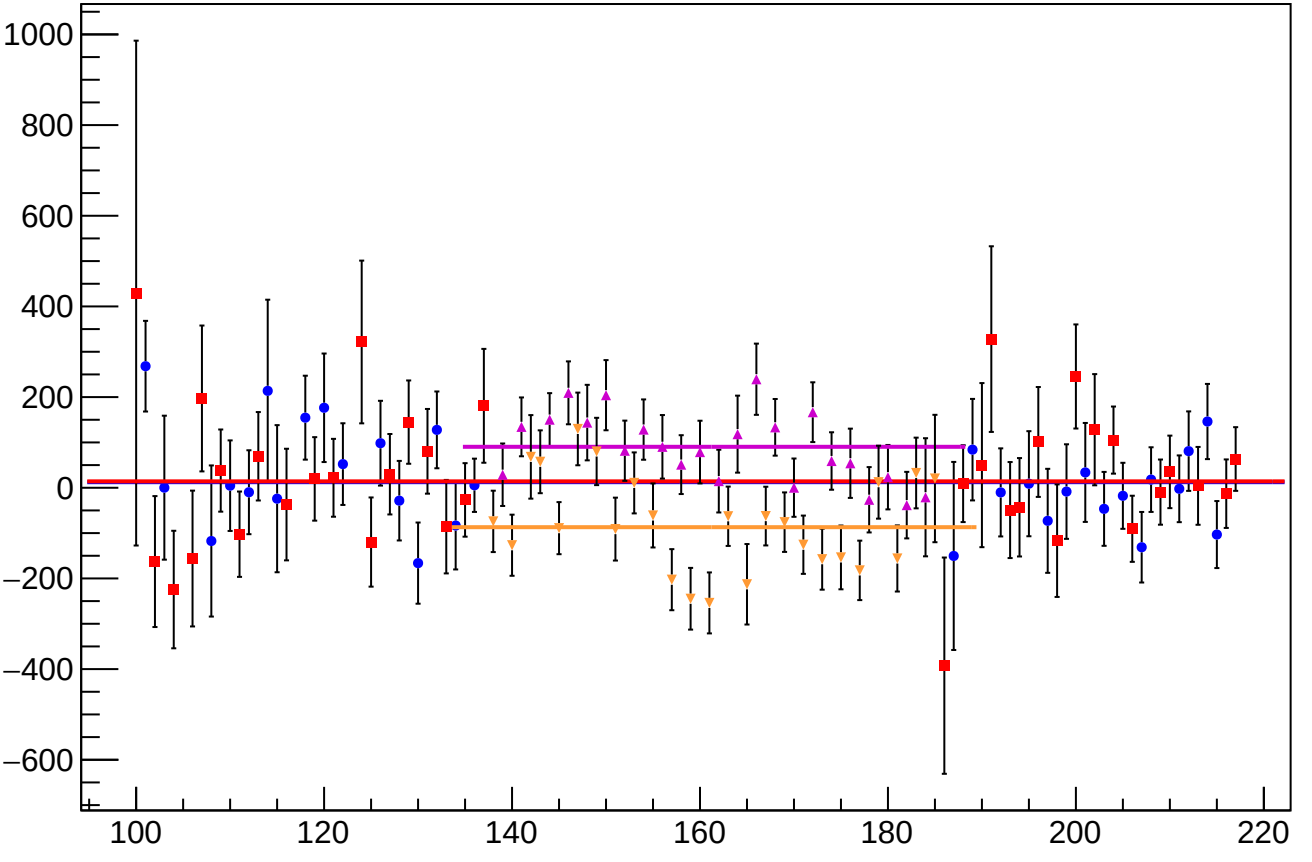
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 398.864+/-0.048 χ^2/NDF: 7113762.4/55

All: 402.290+/-0.034 χ^2/NDF: 15226302.8/11

- sign 405.854+/-0.049 χ^2/NDF: 8102034.2/58

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 12.306+/-16.786 χ^2/NDF: 32.1/30

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 14.142+/-16.780 χ^2/NDF: 37.3/35

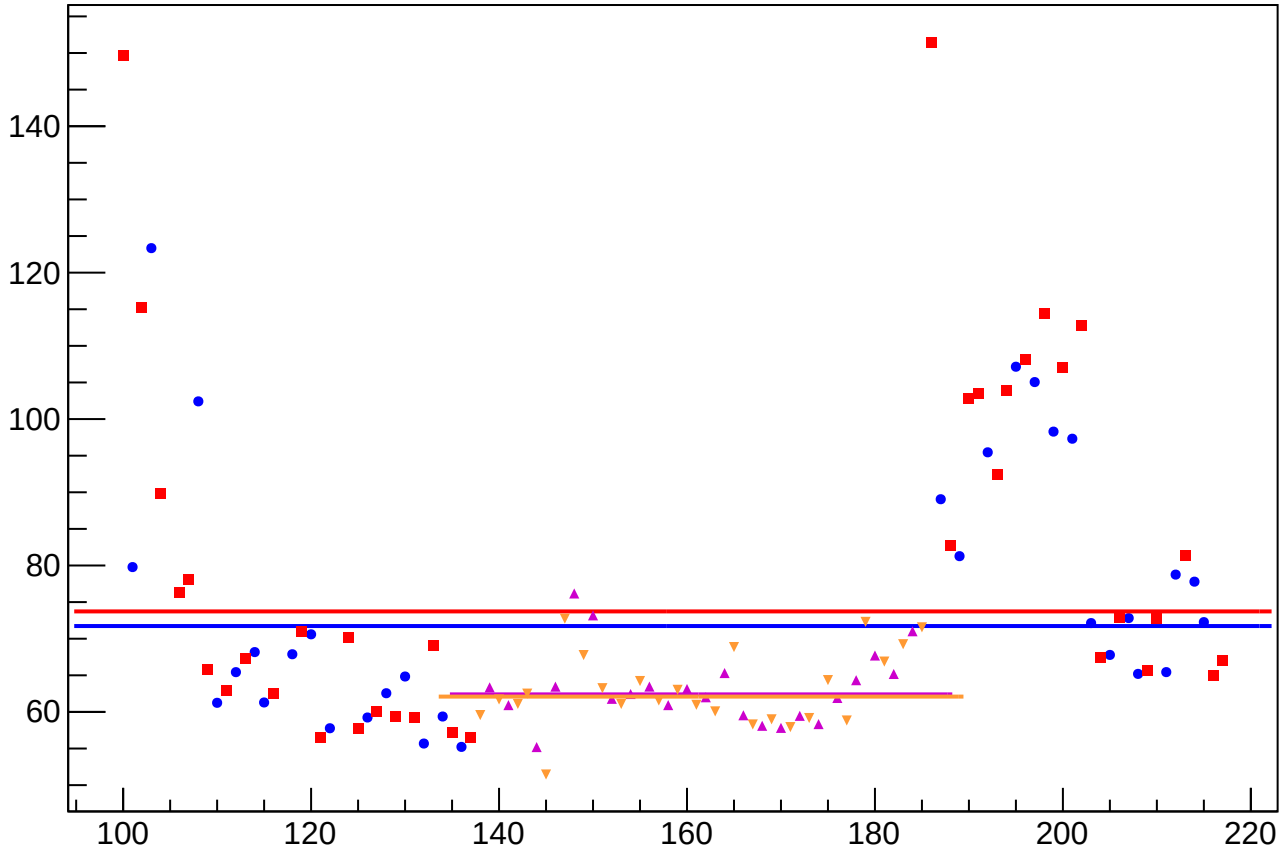
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

\+ sign -45.638+/-10.830 χ^2/NDF: 101.3/55

All: 4.887+/-7.731 χ^2/NDF: 219.8/114

\- sign 57.377+/-11.039 χ^2/NDF: 74.0/58

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.730+/-0.012 χ^2/NDF: 1519948.7/30

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

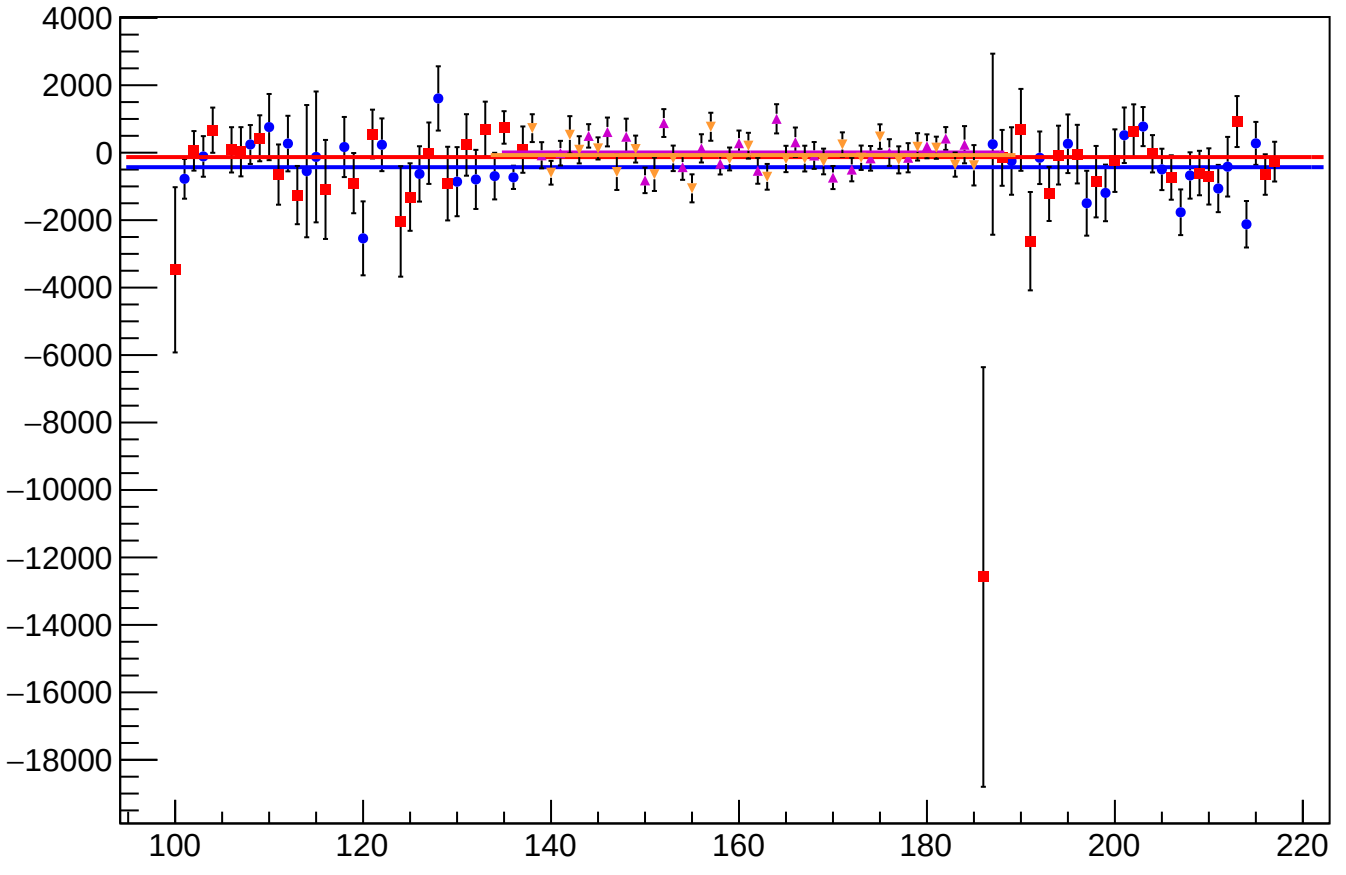
Right Out: 73.729+/-0.012 χ^2/NDF: 2103393.7/35

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 66.105+/-0.008 χ^2/NDF: 2138111.4/55

All: 66.691+/-0.005 χ^2/NDF: 4959828.5/114

- sign 67.300+/-0.008 χ^2/NDF: 2809768.8/58



Right In: -430.195+/-132.850 χ^2/NDF: 35.6/30

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -130.776+/-131.842 χ^2/NDF: 31.5/35

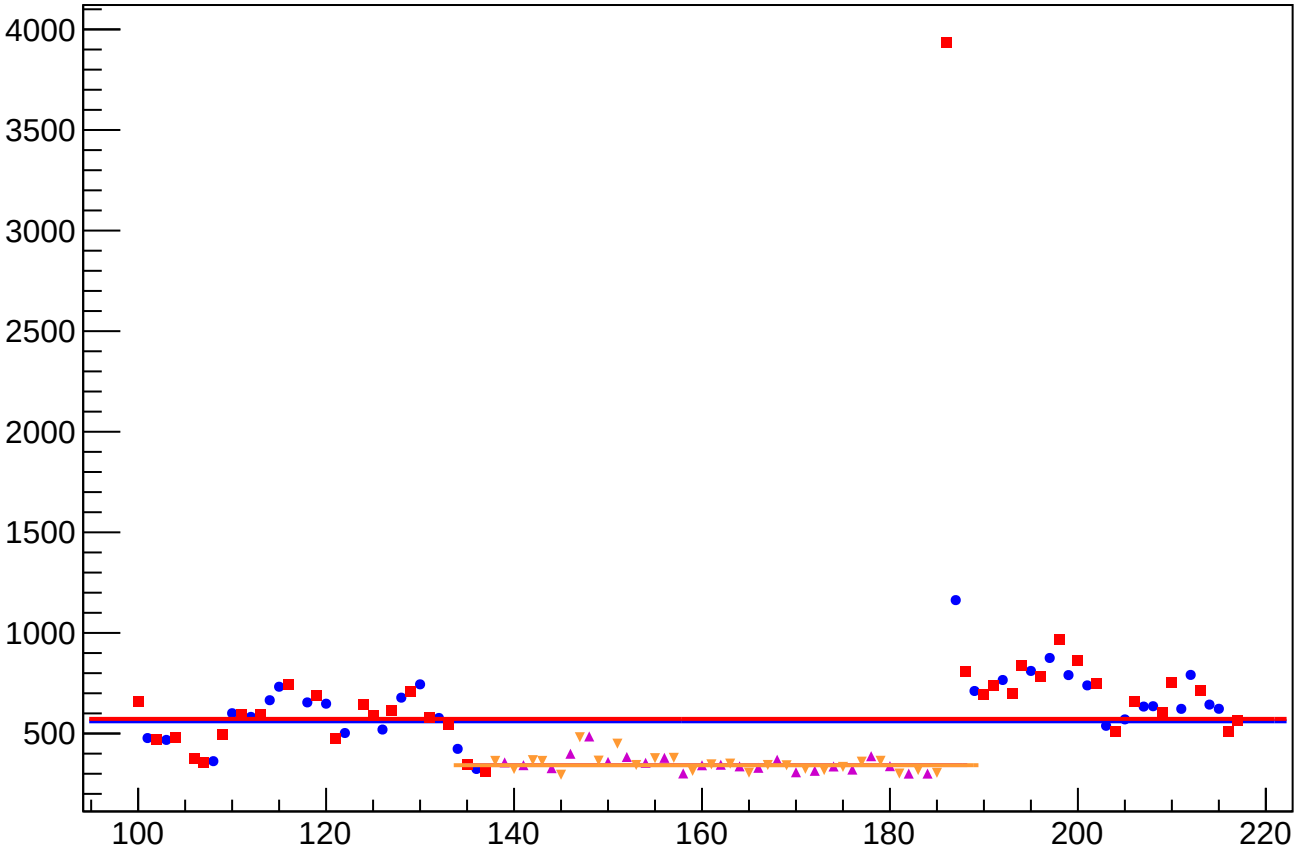
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -164.022+/-67.519 χ^2/NDF: 69.6/55

All: -98.933+/-48.213 χ^2/NDF: 137.8/114

- sign -31.221+/-68.867 χ^2/NDF: 66.3/58

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 560.700+/-0.094 χ^2/NDF: 2677914.9/30

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 572.713+/-0.093 χ^2/NDF: 3323512.1/35

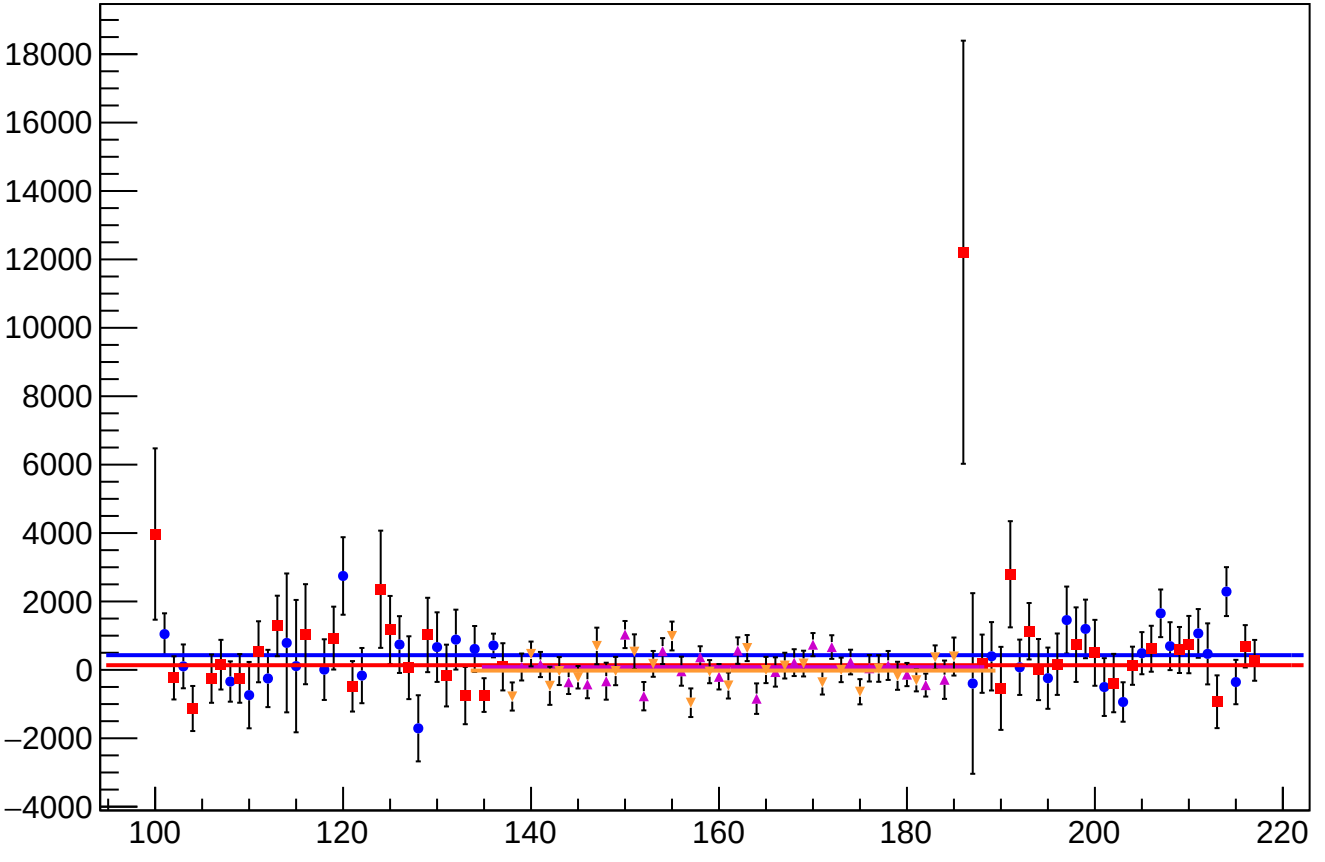
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 398.864+/-0.048 χ^2/NDF: 7113750.5/55

All: 402.290+/-0.034 χ^2/NDF: 15226272.6/11

- sign 405.854+/-0.049 χ^2/NDF: 8102015.6/58

asym_sam_13_57_dd_mean vs Slug



Right In: 429.645+/-134.830 χ^2/NDF: 38.1/30

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 136.340+/-134.775 χ^2/NDF: 32.1/35

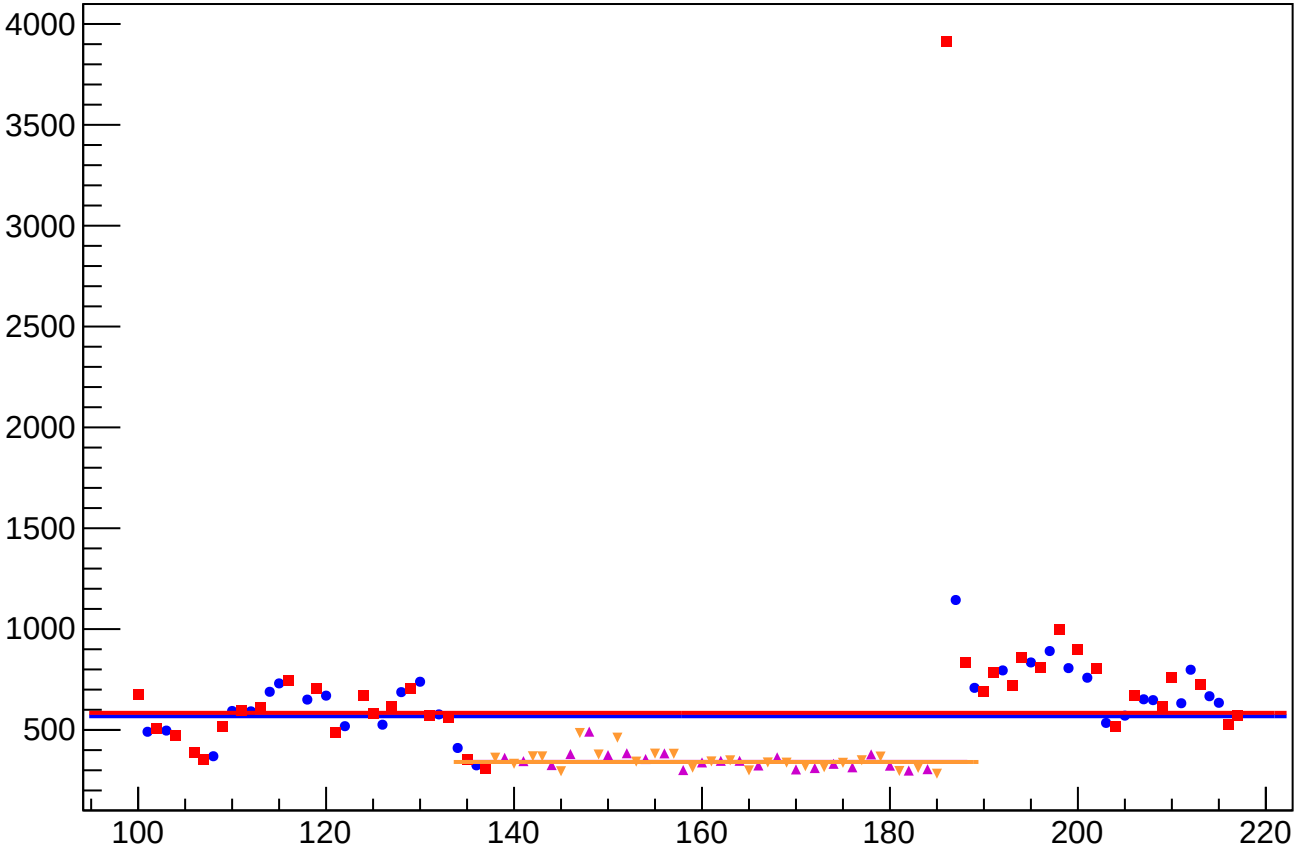
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

\+ sign 92.971+/-67.643 χ^2/NDF: 77.9/55

All: 93.399+/-48.322 χ^2/NDF: 143.0/114

\- sign 93.845+/-69.054 χ^2/NDF: 65.1/58

asym_sam_13_57_dd_rms vs Slug



Right In: 567.940+/-0.095 χ^2/NDF: 2758700.7/30

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

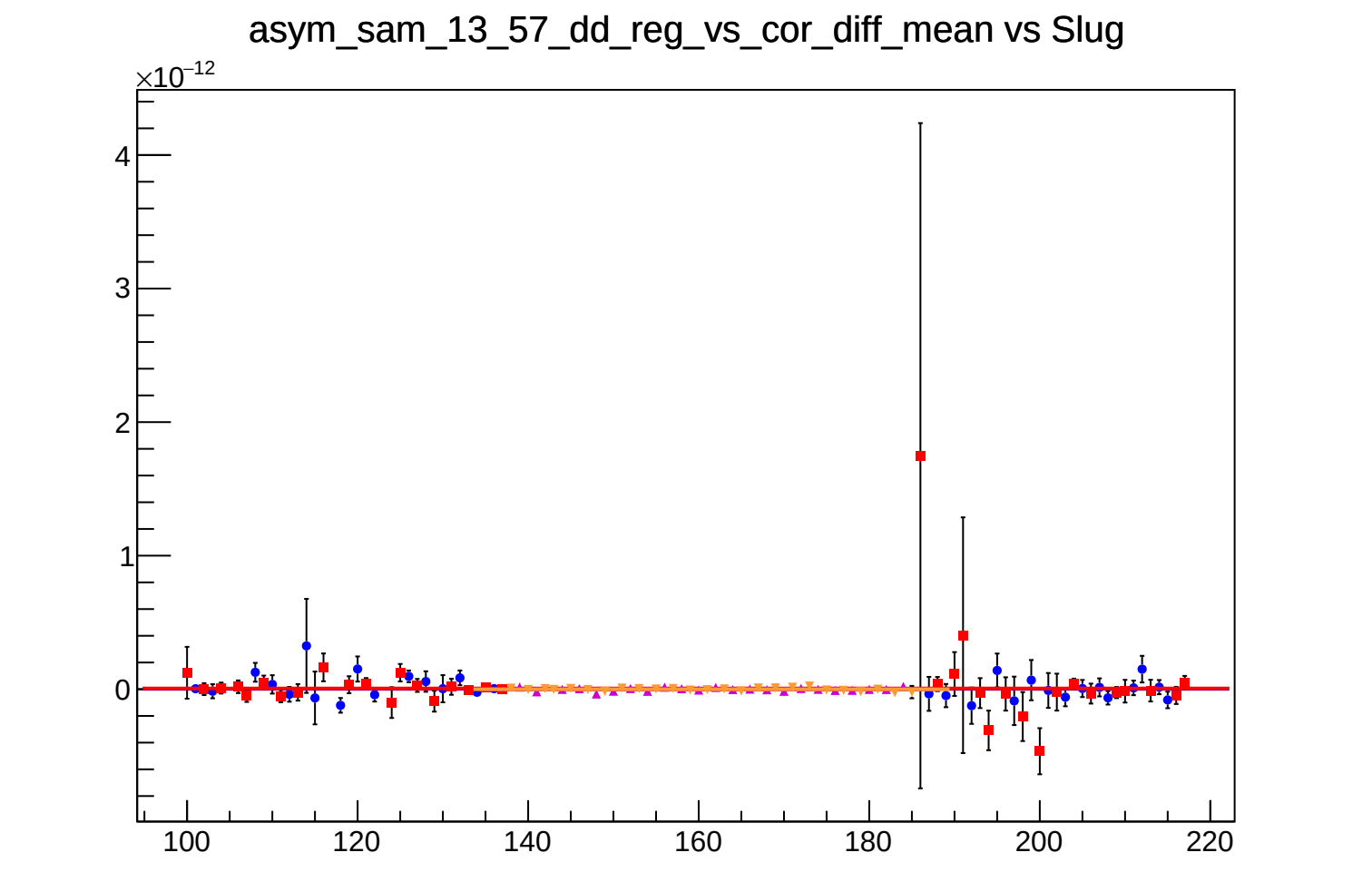
Right Out: 584.823+/-0.095 χ^2/NDF: 3388509.9/35

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 398.269+/-0.048 χ^2/NDF: 7502042.1/55

All: 401.793+/-0.034 χ^2/NDF: 16101302.8/11

- sign 405.466+/-0.049 χ^2/NDF: 8588174.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

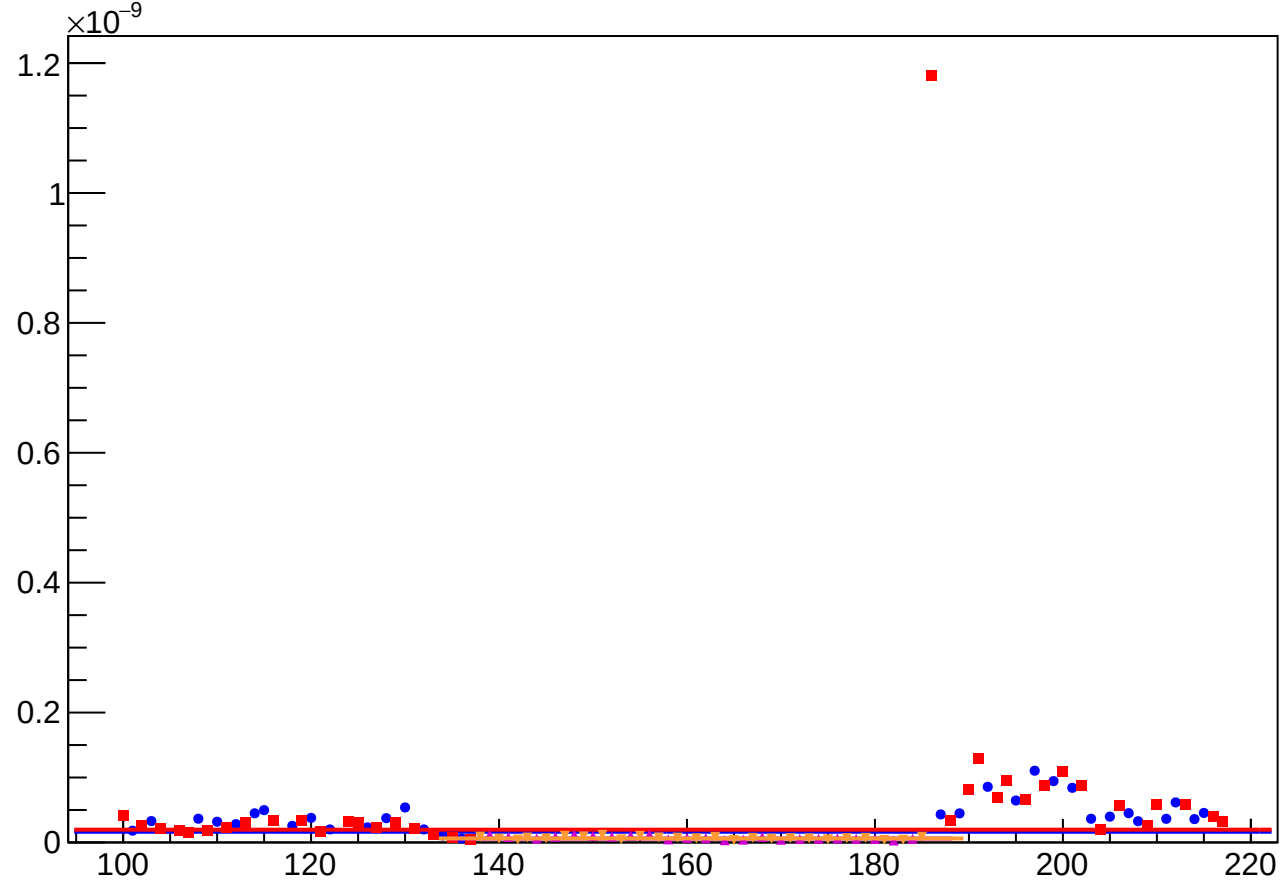
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/35

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.2/55

All: -0.000+/-0.000 χ^2/NDF: 97.6/114

- sign -0.000+/-0.000 χ^2/NDF: 47.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8595964.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7521830.7/35

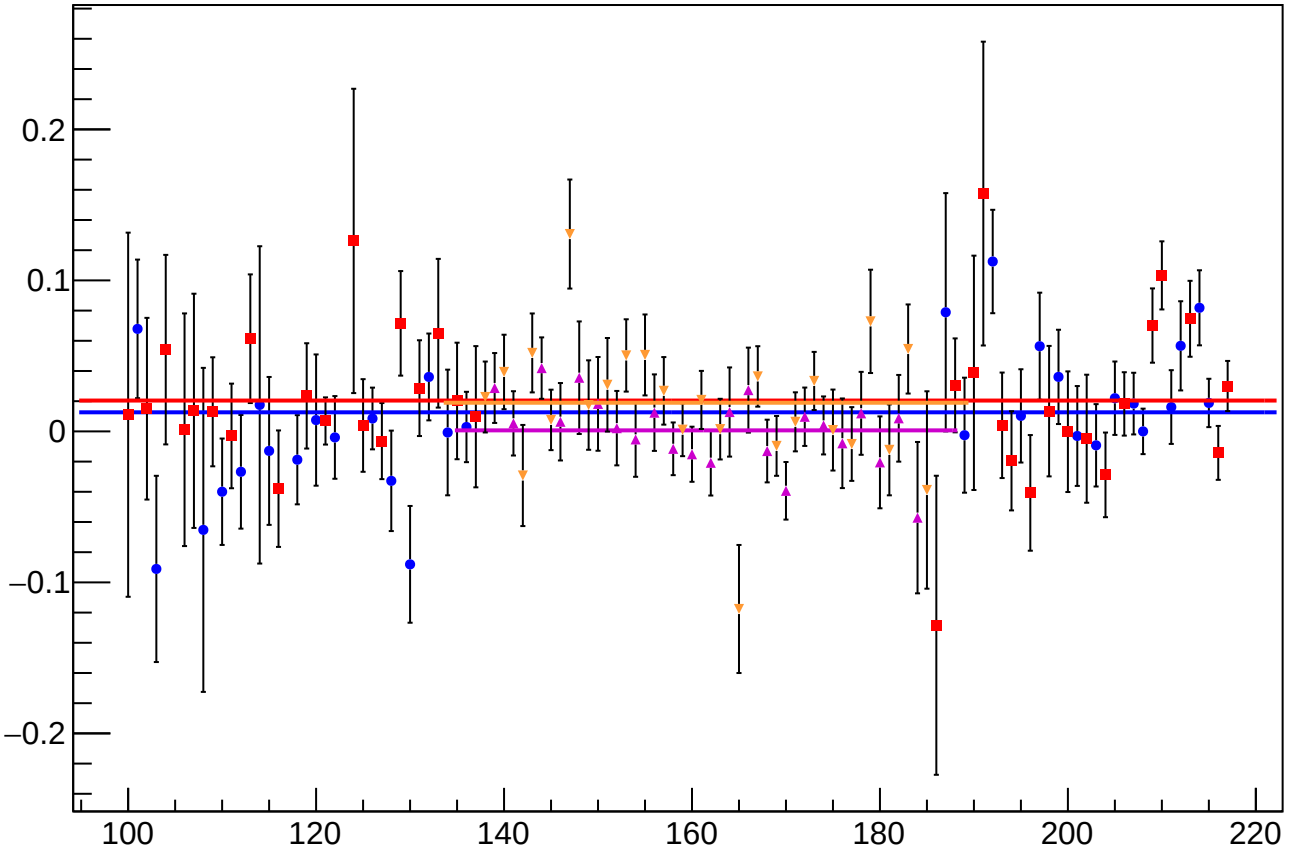
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13188640.3/55

All: 0.000+/-0.000 χ^2/NDF: 27339789.1/114

- sign 0.000+/-0.000 χ^2/NDF: 14151140.1/58

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

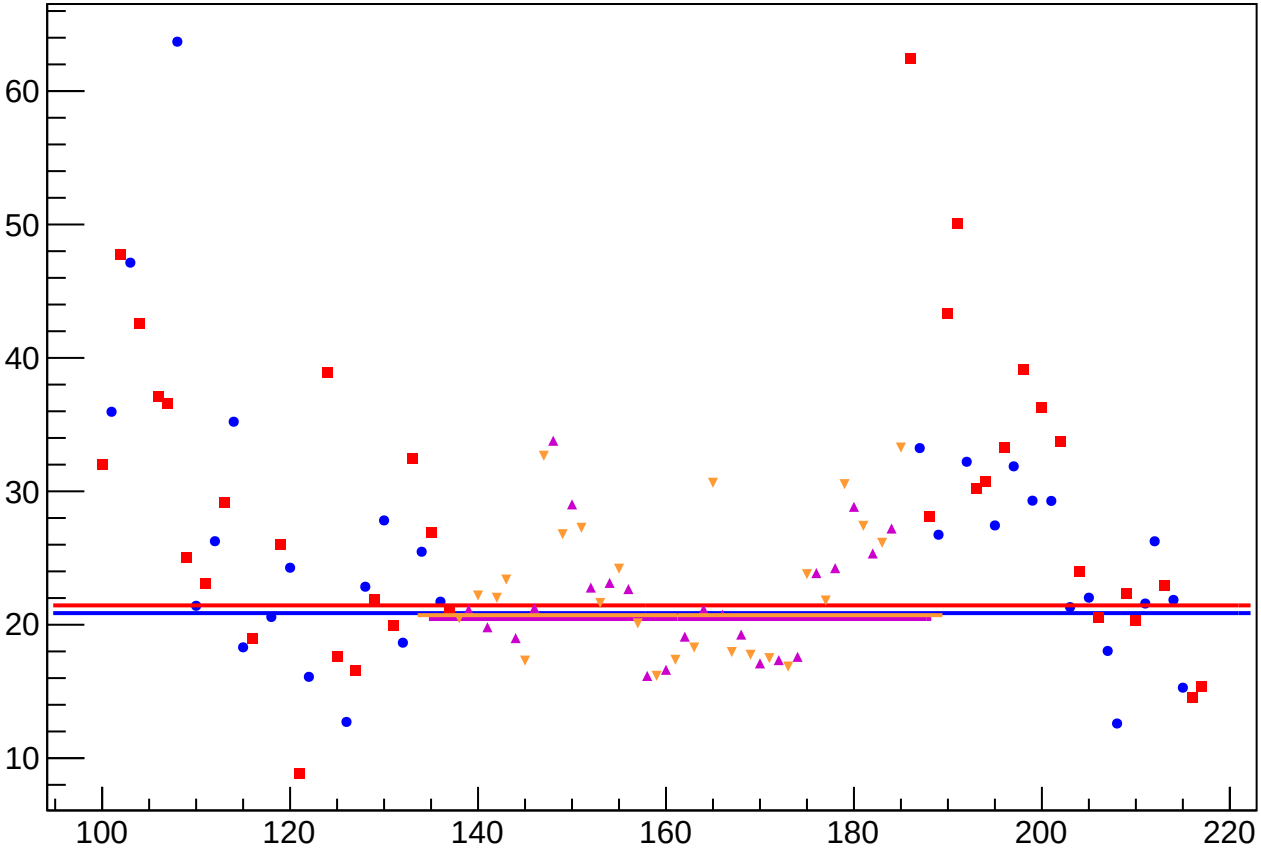
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

\+ sign 0.016+/-0.004 χ^2/NDF: 84.9/55

All: 0.013+/-0.003 χ^2/NDF: 160.6/114

\- sign 0.010+/-0.004 χ^2/NDF: 74.2/58

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.871+/-0.004 χ^2/NDF: 3321379.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

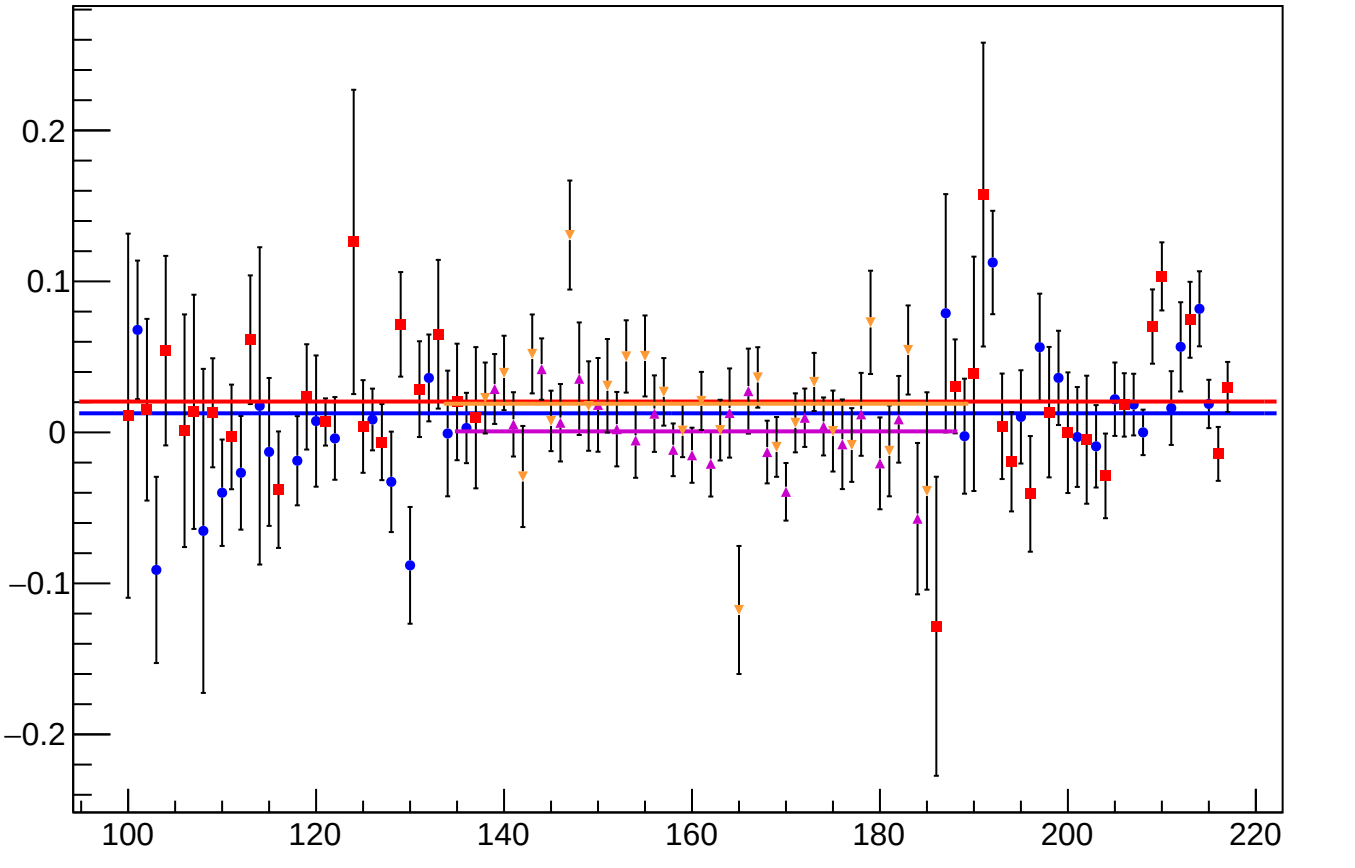
Right Out: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

\+ sign 20.790+/-0.003 χ^2/NDF: 4828676.7/55

All: 20.846+/-0.002 χ^2/NDF: 11186854.4/114

\- sign 20.905+/-0.003 χ^2/NDF: 6357140.5/58



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

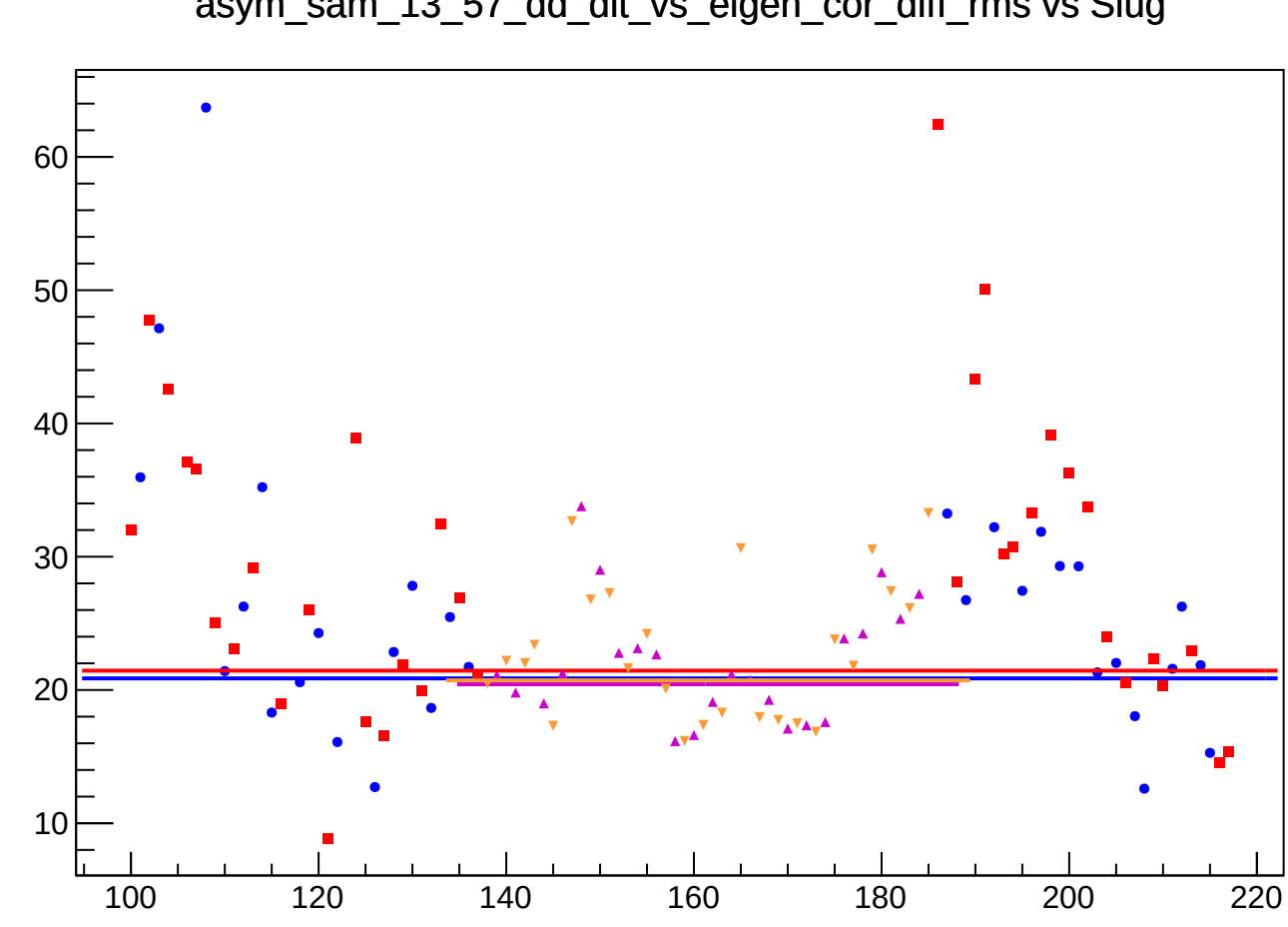
Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/55

All: 0.013+/-0.003 χ^2/NDF: 160.6/114

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58



Right In: 20.871+/-0.004 χ^2/NDF: 3321379.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

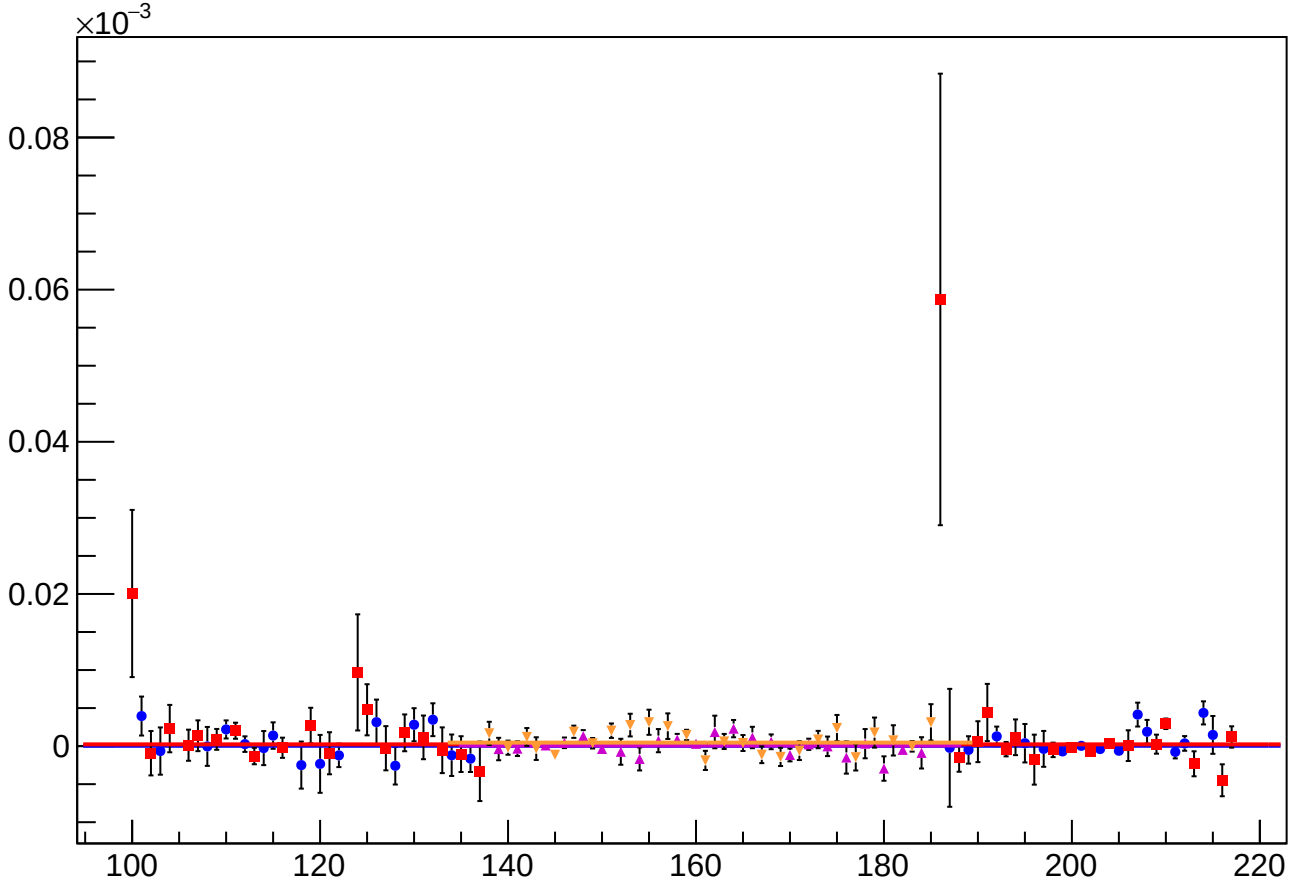
Right Out: 21.450+/-0.004 χ^2/NDF: 5143291.8/35

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.790+/-0.003 χ^2/NDF: 4828676.7/55

All: 20.846+/-0.002 χ^2/NDF: 11186854.4/114

- sign 20.905+/-0.003 χ^2/NDF: 6357140.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

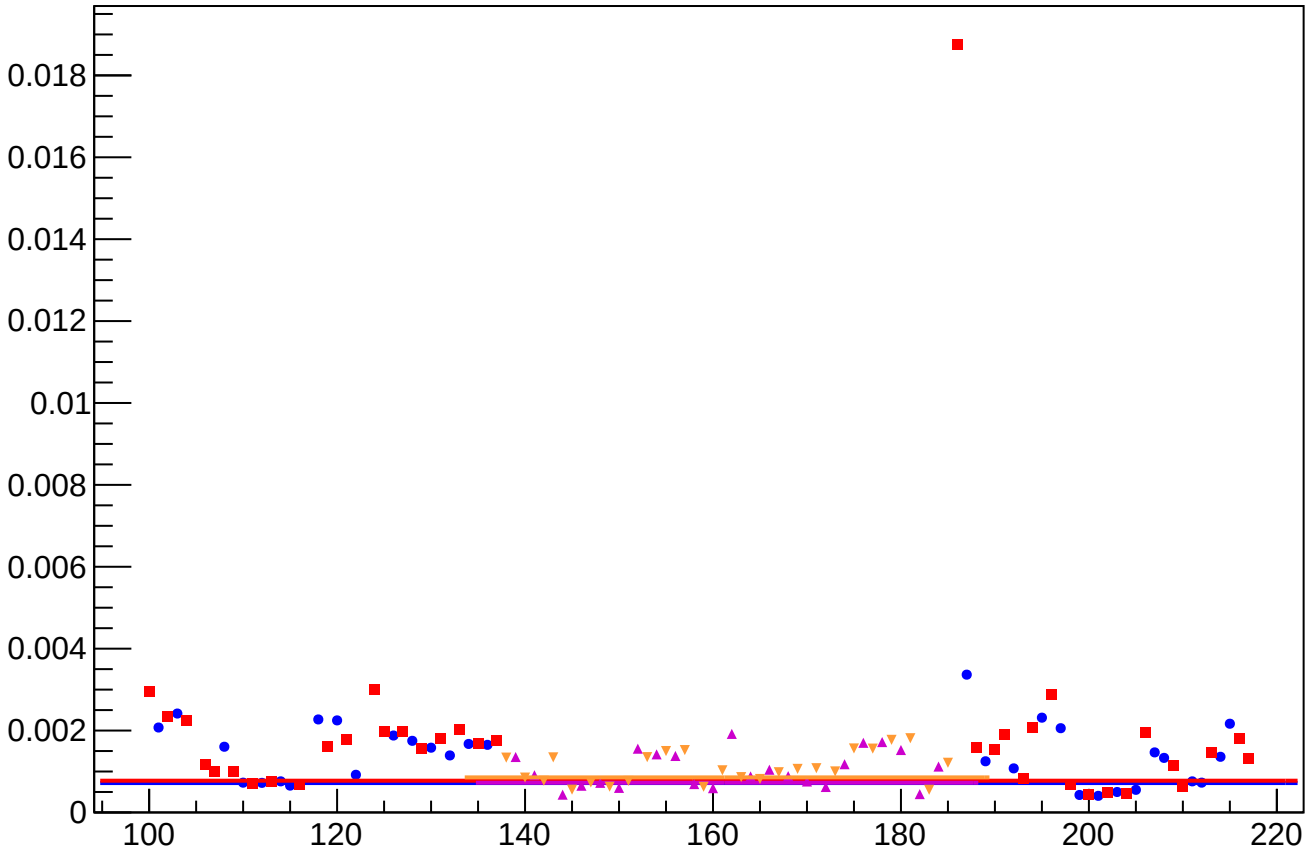
Right Out: 0.000+/-0.000 χ^2/NDF: 50.0/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/55

All: 0.000+/-0.000 χ^2/NDF: 147.3/114

- sign 0.000+/-0.000 χ^2/NDF: 69.8/58



Right In: 0.001+/-0.000 χ^2/NDF: 10253323.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

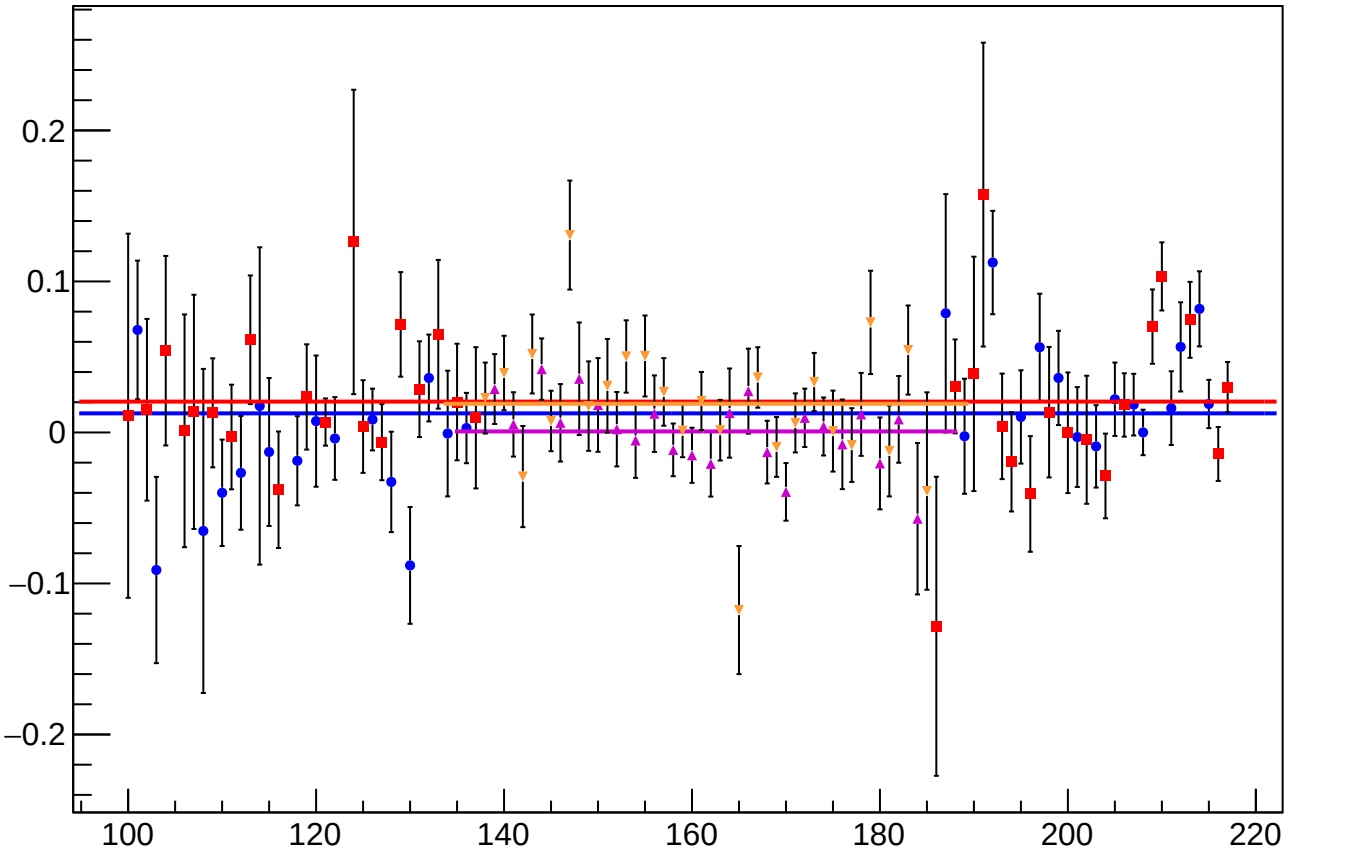
Right Out: 0.001+/-0.000 χ^2/NDF: 11003569.7/35

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 15140638.0/55

All: 0.001+/-0.000 χ^2/NDF: 32076963.5/114

- sign 0.001+/-0.000 χ^2/NDF: 16872313.2/58



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

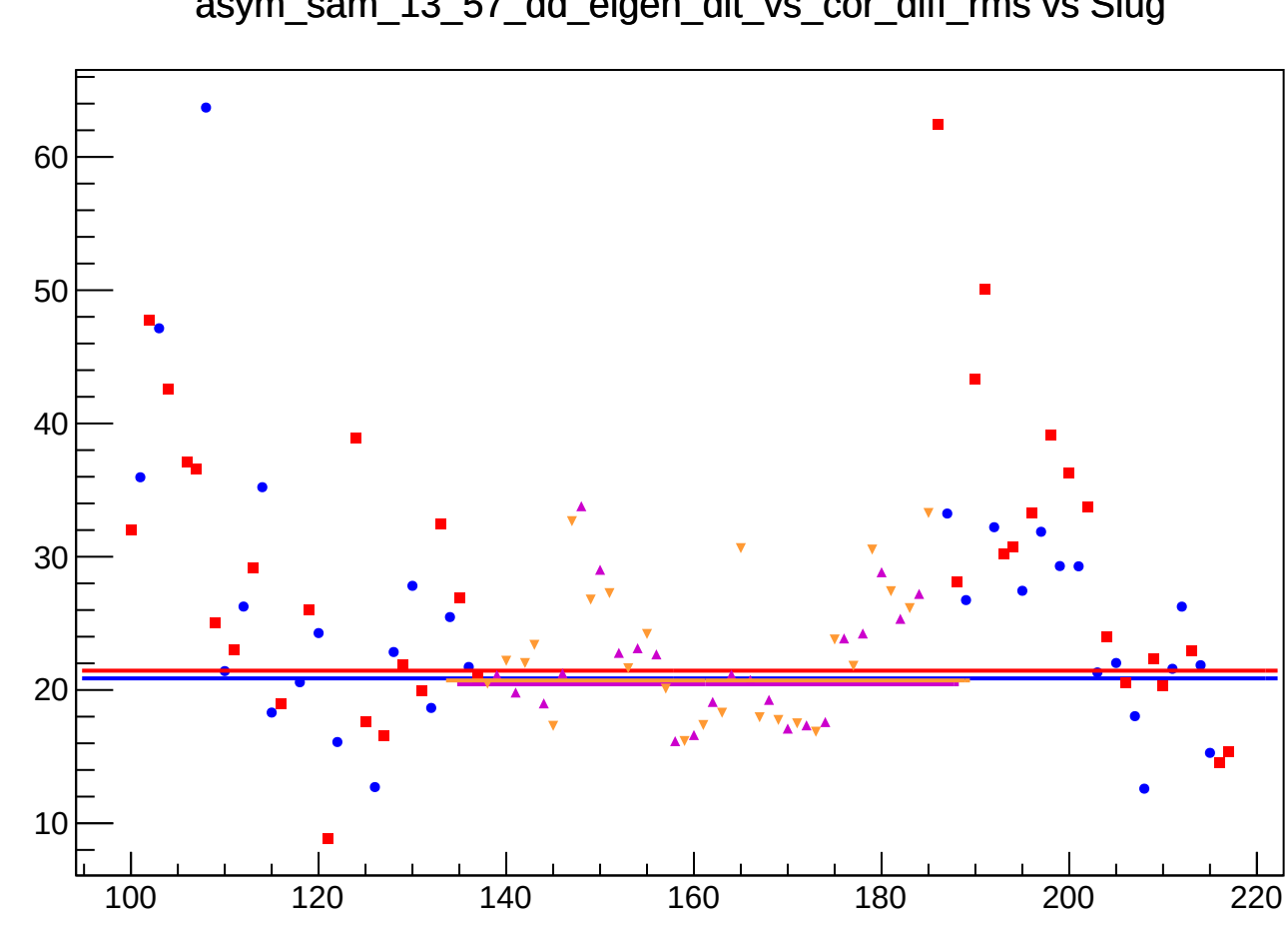
Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/55

All: 0.013+/-0.003 χ^2/NDF: 160.6/114

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58



Right In: 20.871+/-0.004 χ^2/NDF: 3321252.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

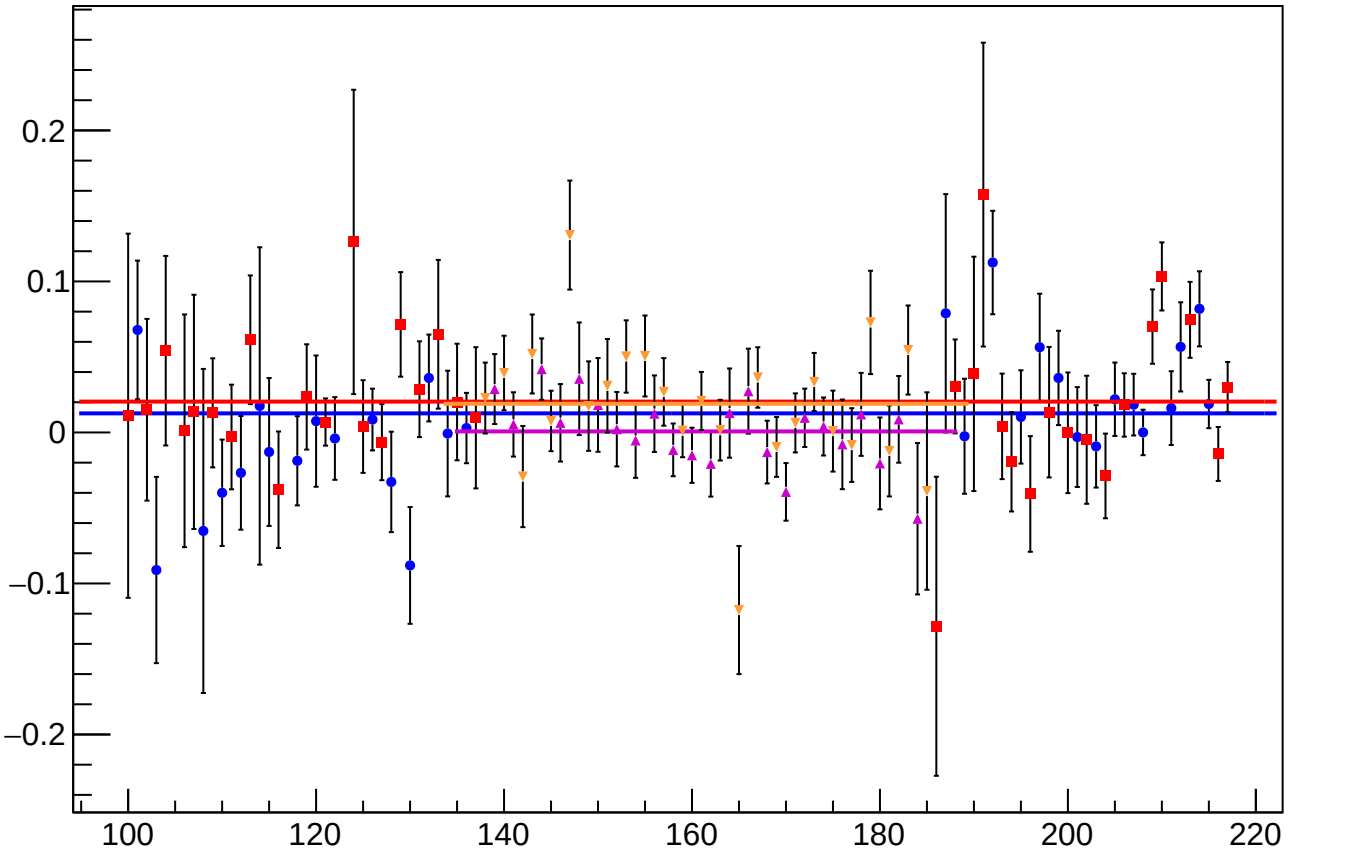
Right Out: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.790+/-0.003 χ^2/NDF: 4828655.2/55

All: 20.846+/-0.002 χ^2/NDF: 11186390.0/114

- sign 20.905+/-0.003 χ^2/NDF: 6356696.0/58



Right In: 0.013+/-0.005 χ^2/NDF: 43.0/30

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

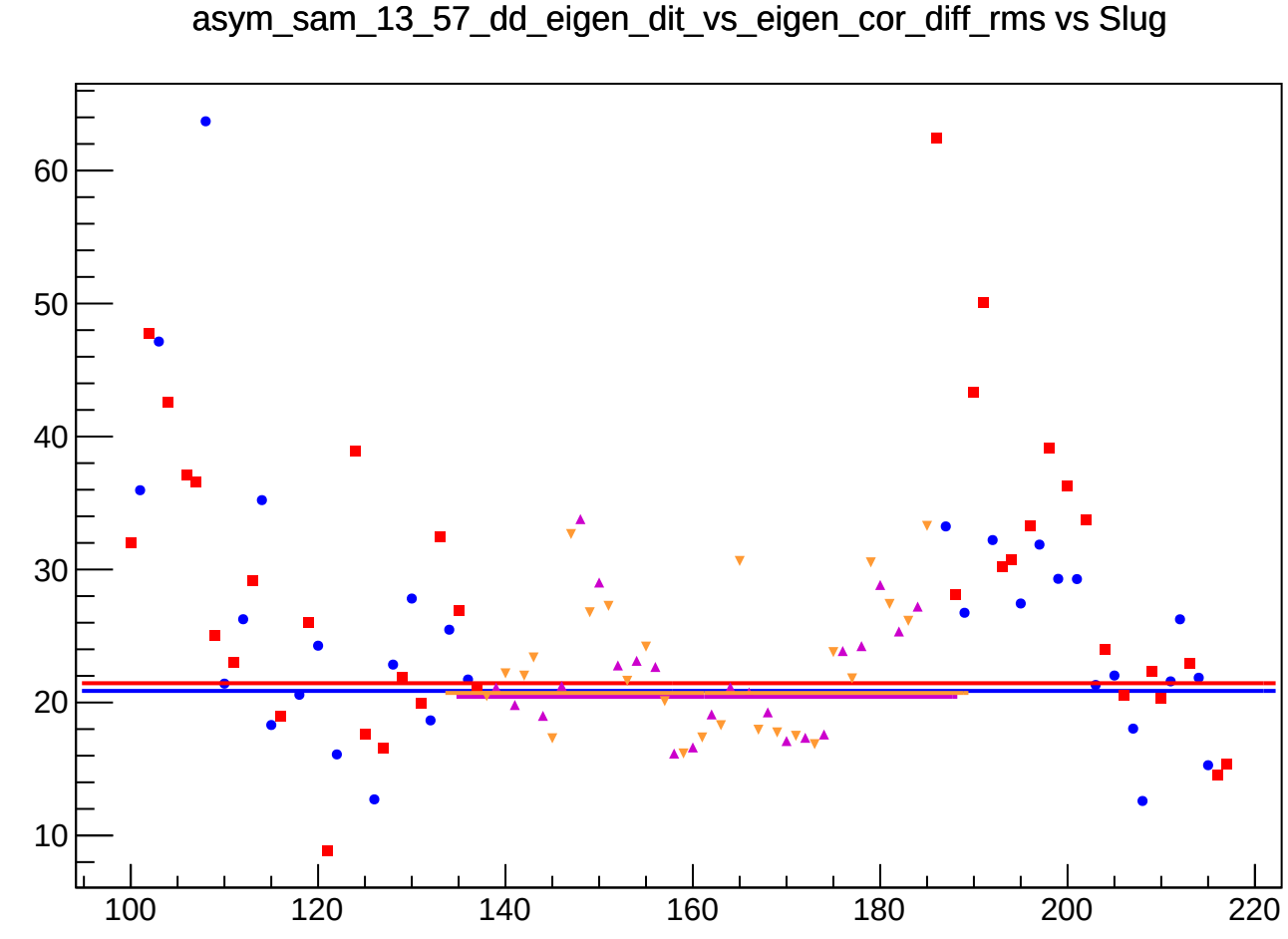
Right Out: 0.020+/-0.005 χ^2/NDF: 49.1/35

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/55

All: 0.013+/-0.003 χ^2/NDF: 160.6/114

- sign 0.010+/-0.004 χ^2/NDF: 74.2/58



Right In: 20.871+/-0.004 χ^2/NDF: 3321252.5/30

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

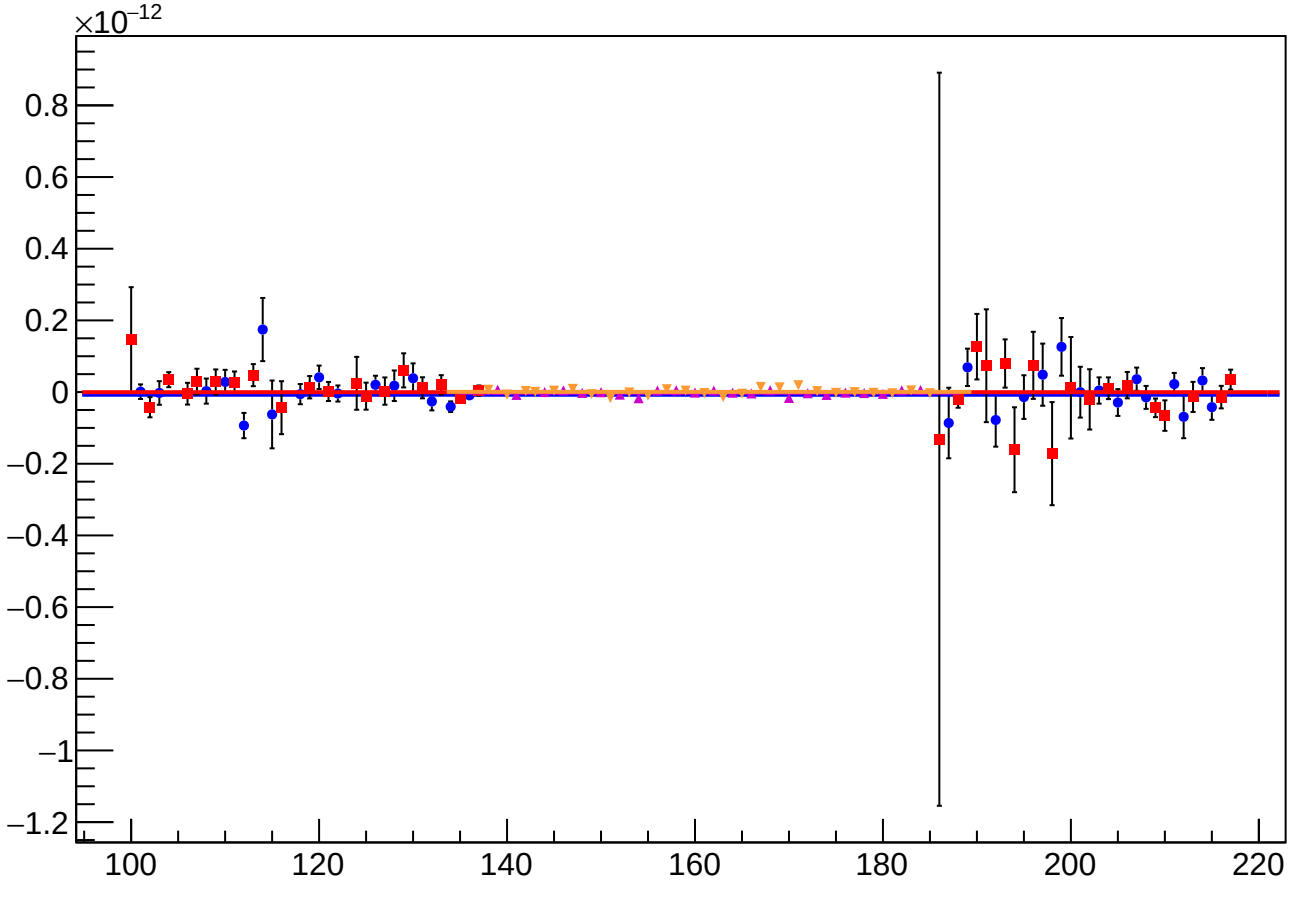
Right Out: 21.450+/-0.004 χ^2/NDF: 5142774.7/35

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.790+/-0.003 χ^2/NDF: 4828655.2/55

All: 20.846+/-0.002 χ^2/NDF: 11186390.0/114

- sign 20.905+/-0.003 χ^2/NDF: 6356696.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

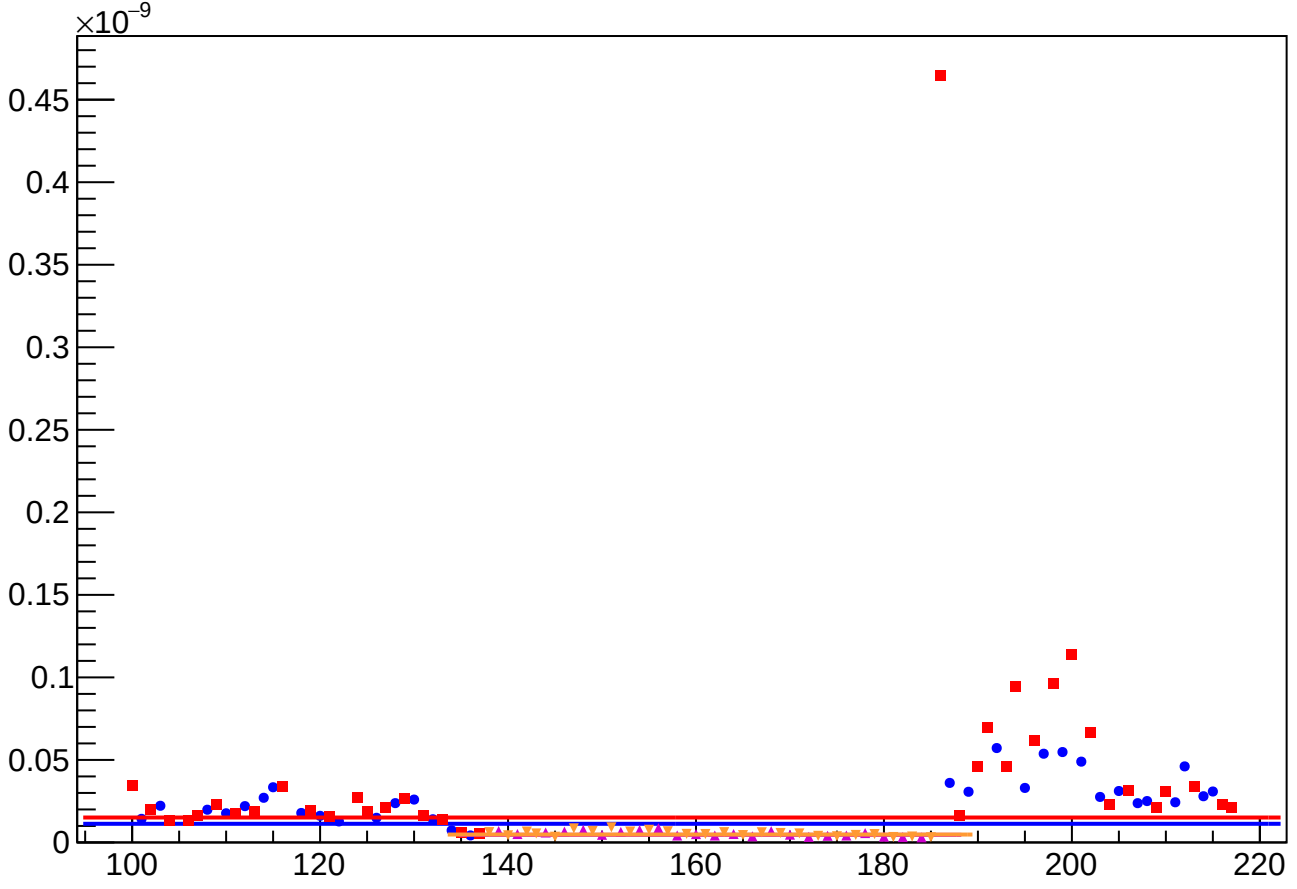
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 68.5/55

All: -0.000+/-0.000 χ^2/NDF: 122.7/114

\- sign -0.000+/-0.000 χ^2/NDF: 53.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 11394396.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9946593.9/35

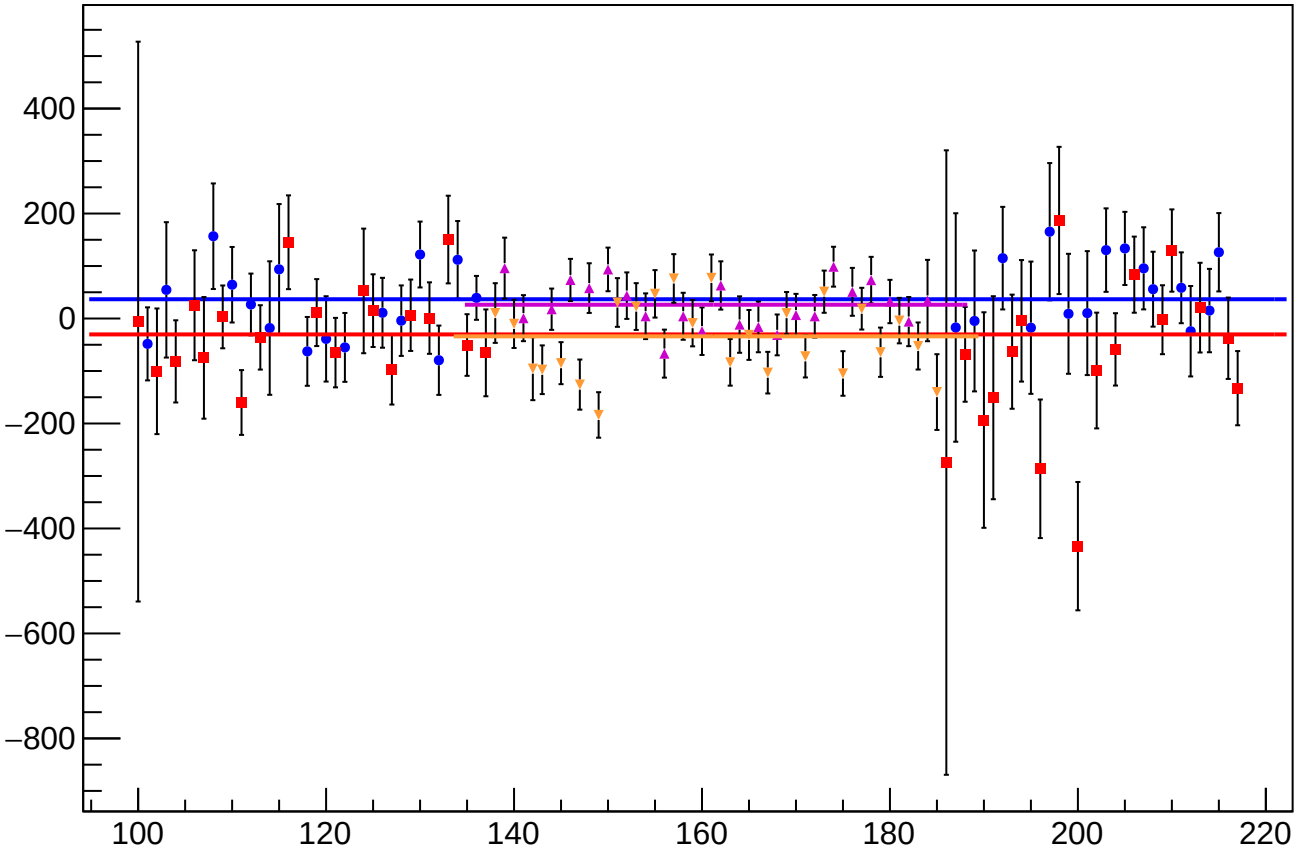
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

\+ sign 0.000+/-0.000 χ^2/NDF: 17922363.6/55

All: 0.000+/-0.000 χ^2/NDF: 38090738.0/114

\- sign 0.000+/-0.000 χ^2/NDF: 20165364.7/58

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 36.697+/-13.943 χ^2/NDF: 23.3/30

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.296+/-13.843 χ^2/NDF: 46.3/35

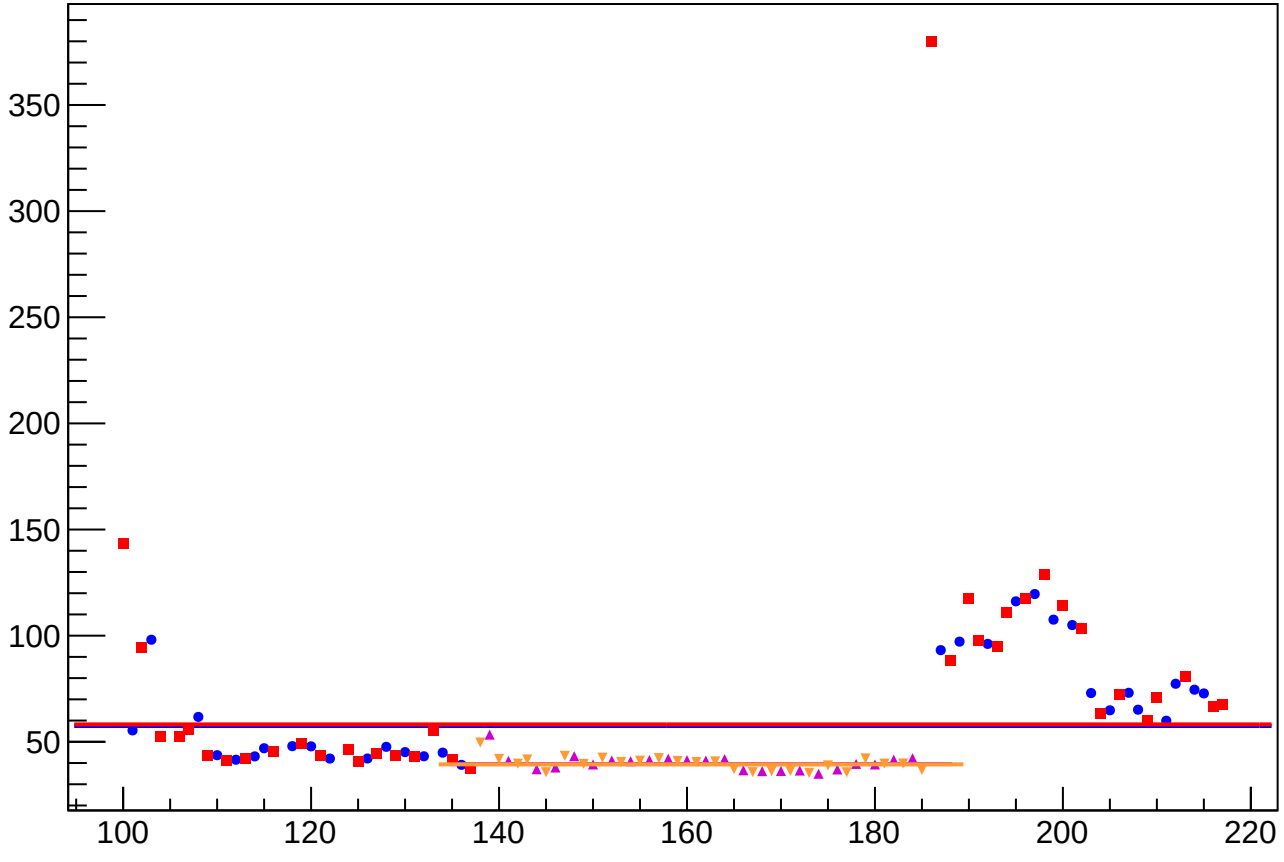
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -13.198+/-7.558 χ^2/NDF: 100.1/55

All: -2.433+/-5.395 χ^2/NDF: 184.6/114

- sign 8.751+/-7.703 χ^2/NDF: 80.3/58

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 57.432+/-0.010 χ^2/NDF: 4028096.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

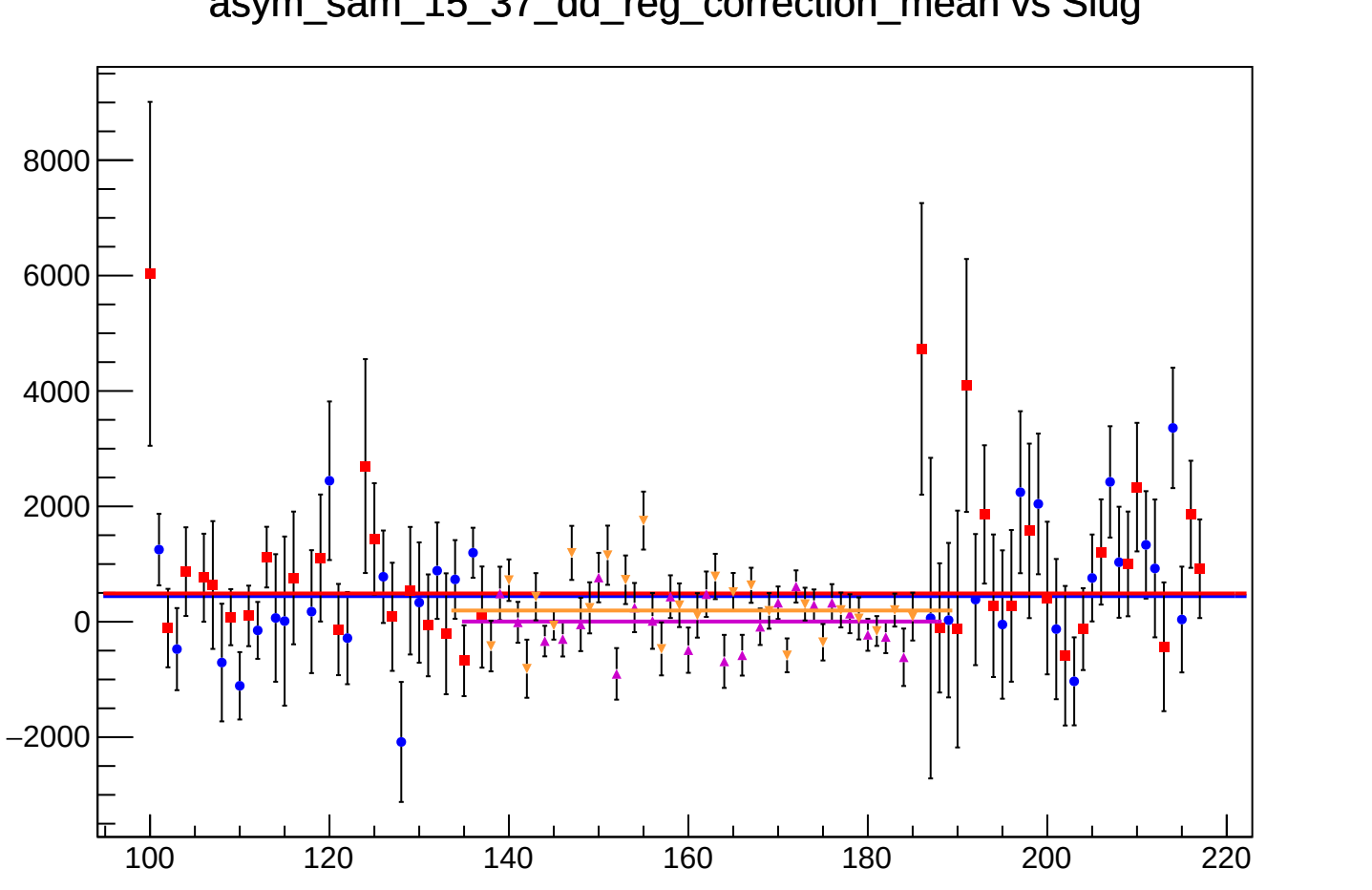
Right Out: 58.203+/-0.010 χ^2/NDF: 5256356.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.686+/-0.005 χ^2/NDF: 6623801.4/55

All: 44.980+/-0.004 χ^2/NDF: 14660820.2/114

- sign 45.285+/-0.005 χ^2/NDF: 8030842.8/58



Right In: 444.156+/-153.076 χ^2/NDF: 47.4/30

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 490.726+/-150.423 χ^2/NDF: 31.7/35

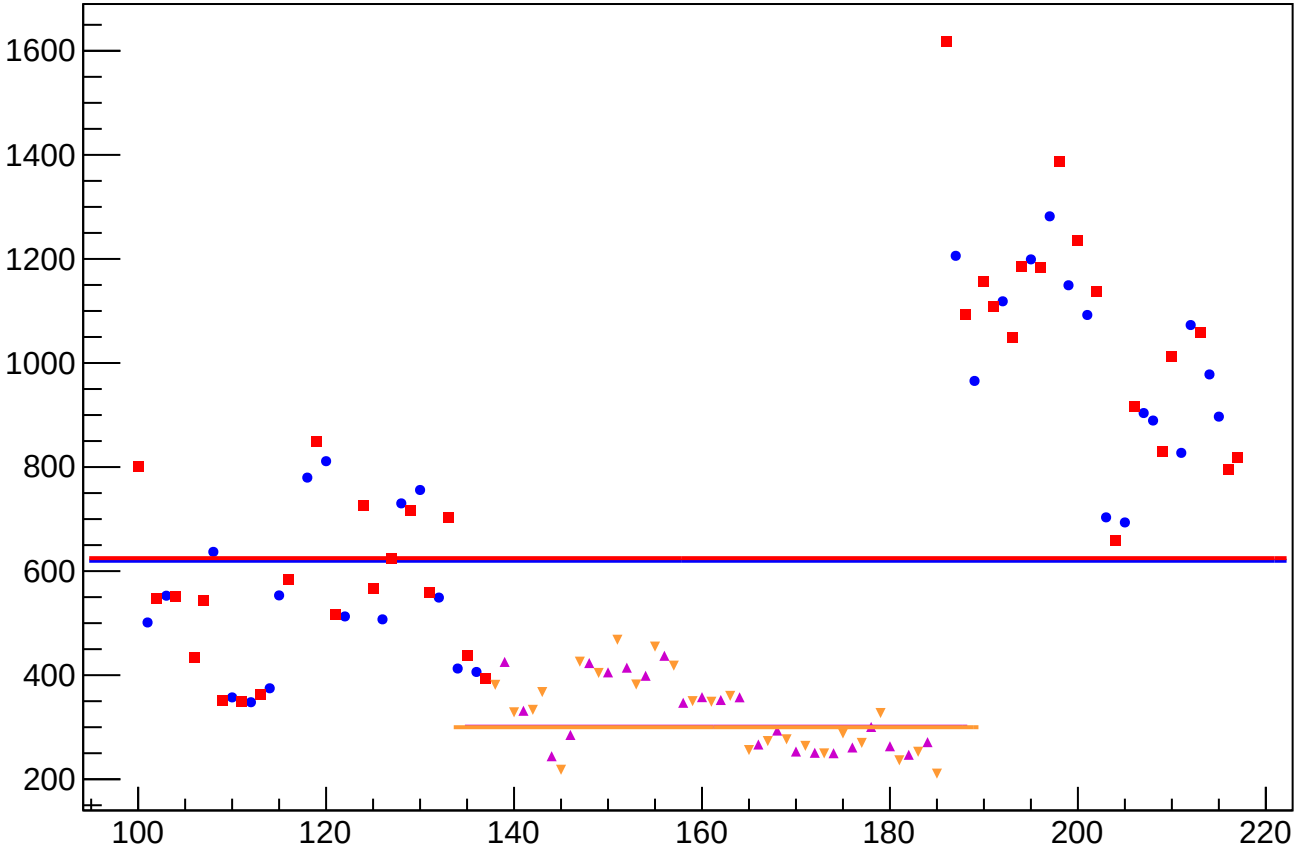
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 238.210+/-63.729 χ^2/NDF: 98.2/55

All: 167.793+/-45.482 χ^2/NDF: 173.2/114

- sign 94.699+/-64.930 χ^2/NDF: 72.6/58

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 619.894+/-0.108 χ^2/NDF: 5423153.2/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 624.906+/-0.106 χ^2/NDF: 6595169.2/35

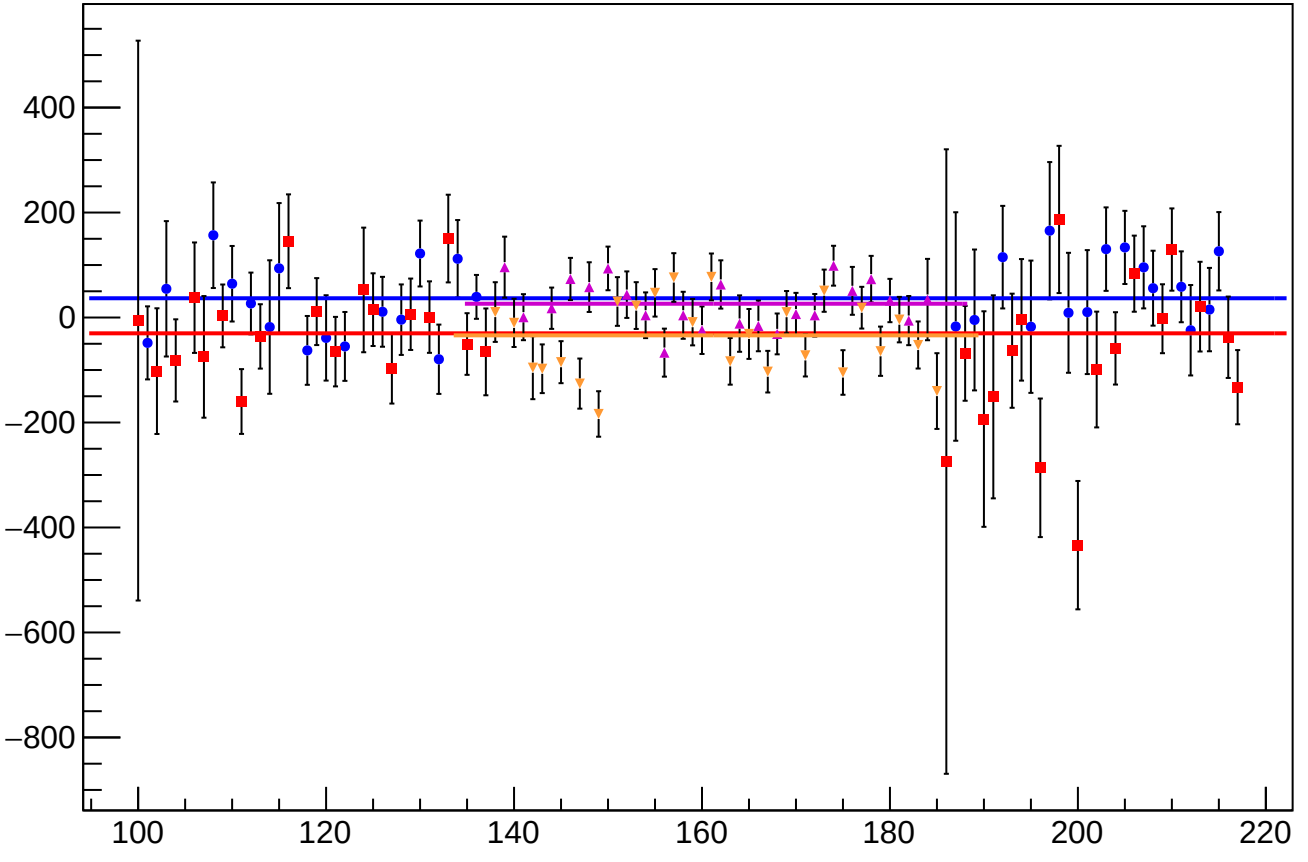
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 355.427+/-0.045 χ^2/NDF: 14453101.0/55

All: 358.333+/-0.032 χ^2/NDF: 30009559.6/11

- sign 361.350+/-0.046 χ^2/NDF: 15547981.7/58

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 36.701+/-13.943 χ^2/NDF: 23.3/30

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.107+/-13.844 χ^2/NDF: 46.5/35

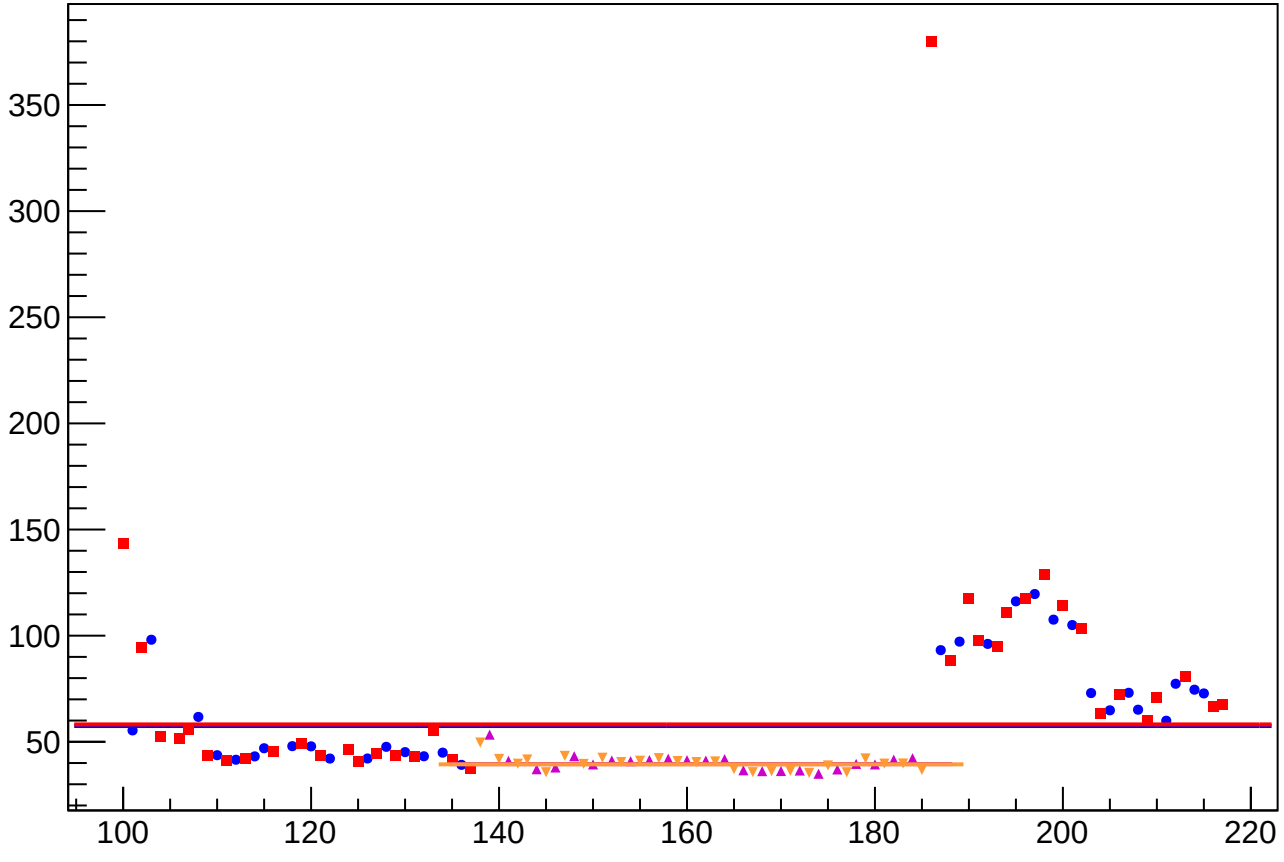
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -13.196+/-7.558 χ^2/NDF: 100.1/55

All: -2.402+/-5.395 χ^2/NDF: 184.7/114

- sign 8.811+/-7.704 χ^2/NDF: 80.4/58

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.432+/-0.010 χ^2/NDF: 4028099.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

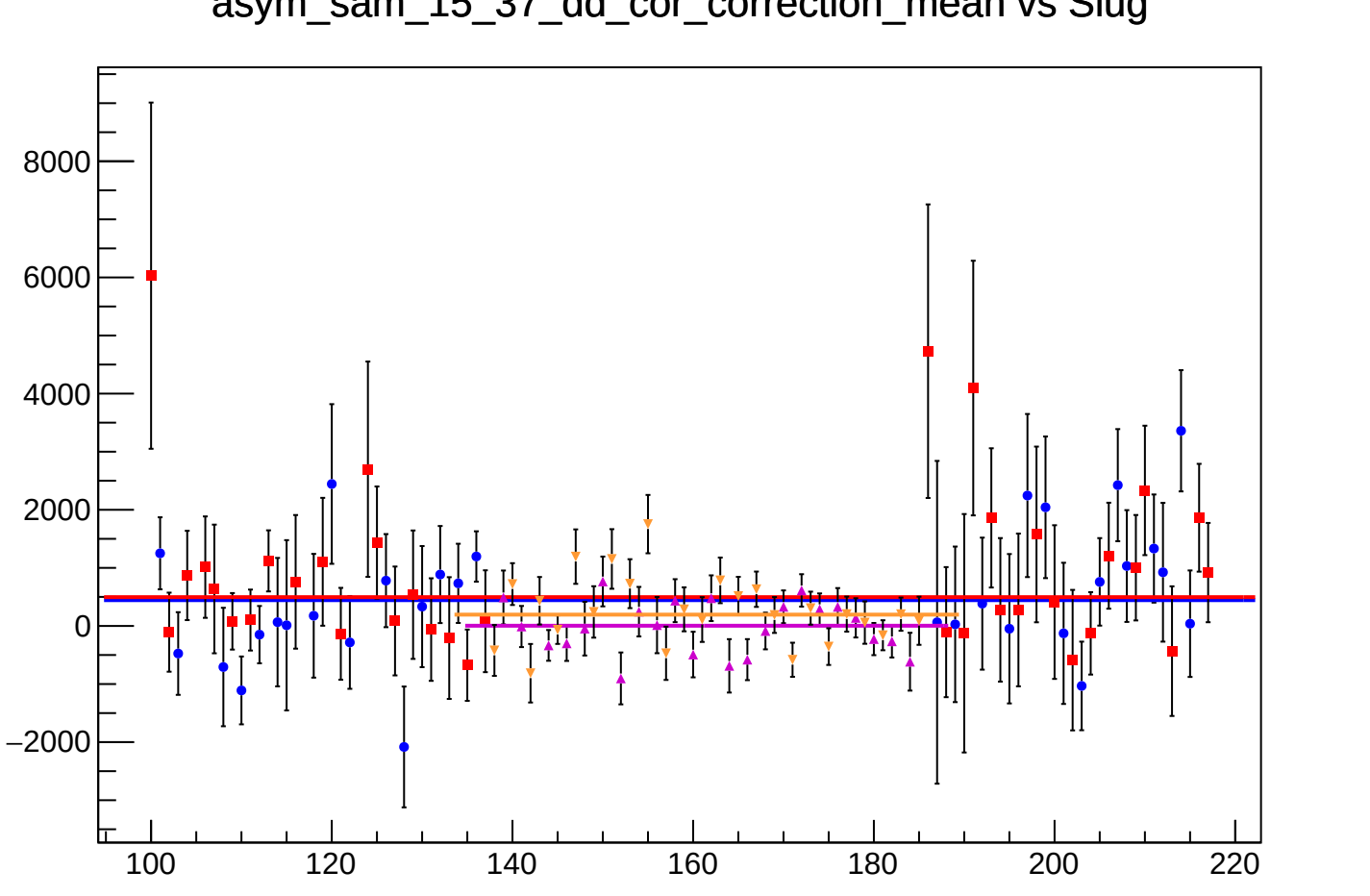
Right Out: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.686+/-0.005 χ^2/NDF: 6623804.4/55

All: 44.977+/-0.004 χ^2/NDF: 14658863.0/114

- sign 45.281+/-0.005 χ^2/NDF: 8028980.1/58



Right In: 444.160+/-153.076 χ^2/NDF: 47.4/30

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 495.869+/-151.125 χ^2/NDF: 31.9/35

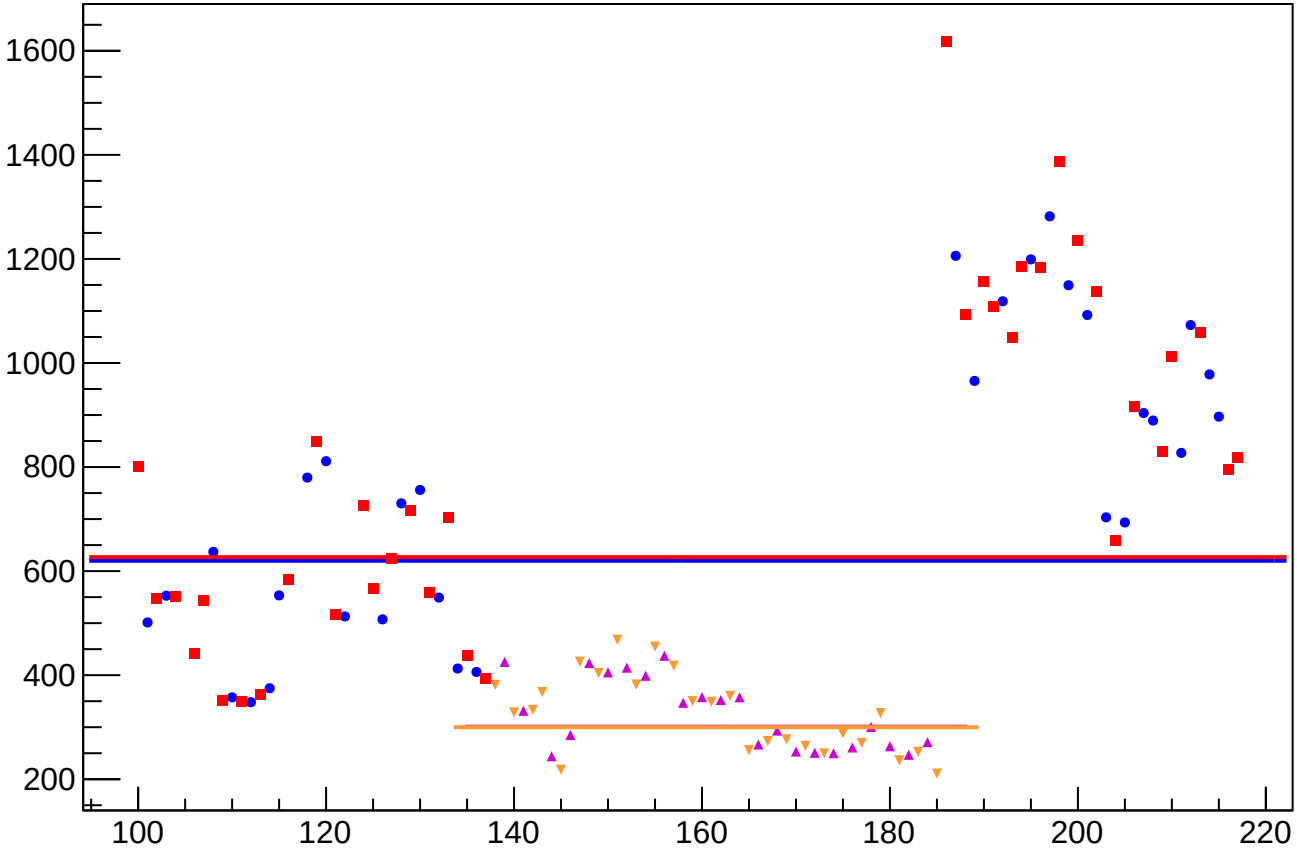
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 238.210+/-63.729 χ^2/NDF: 98.2/55

All: 167.985+/-45.501 χ^2/NDF: 173.5/114

- sign 94.964+/-64.986 χ^2/NDF: 72.9/58

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 619.896+/-0.108 χ^2/NDF: 5423131.9/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

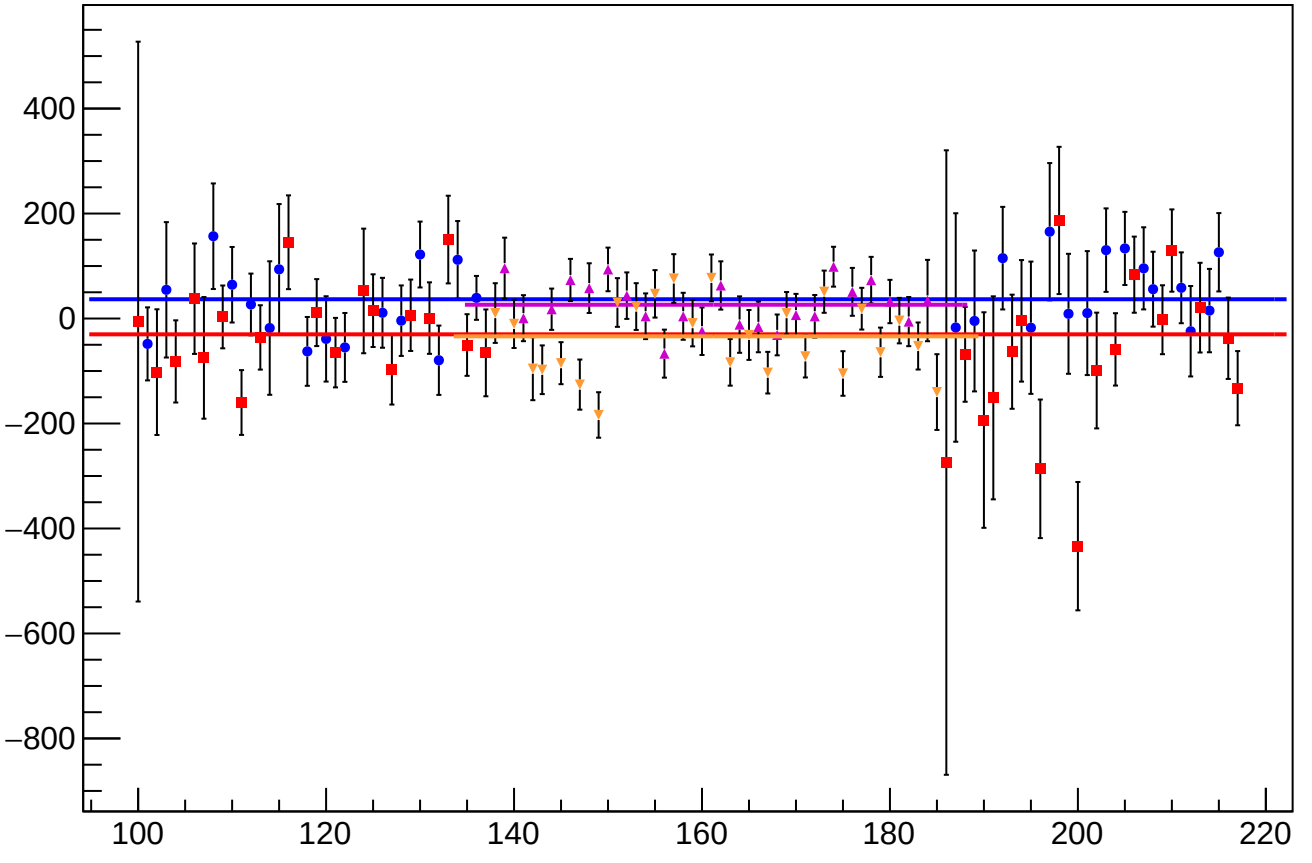
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 355.427+/-0.045 χ^2/NDF: 14453139.8/55

All: 358.290+/-0.032 χ^2/NDF: 30008404.4/11

- sign 361.266+/-0.046 χ^2/NDF: 15547032.6/58

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 36.701+/-13.943 χ^2/NDF: 23.3/30

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -30.107+/-13.844 χ^2/NDF: 46.5/35

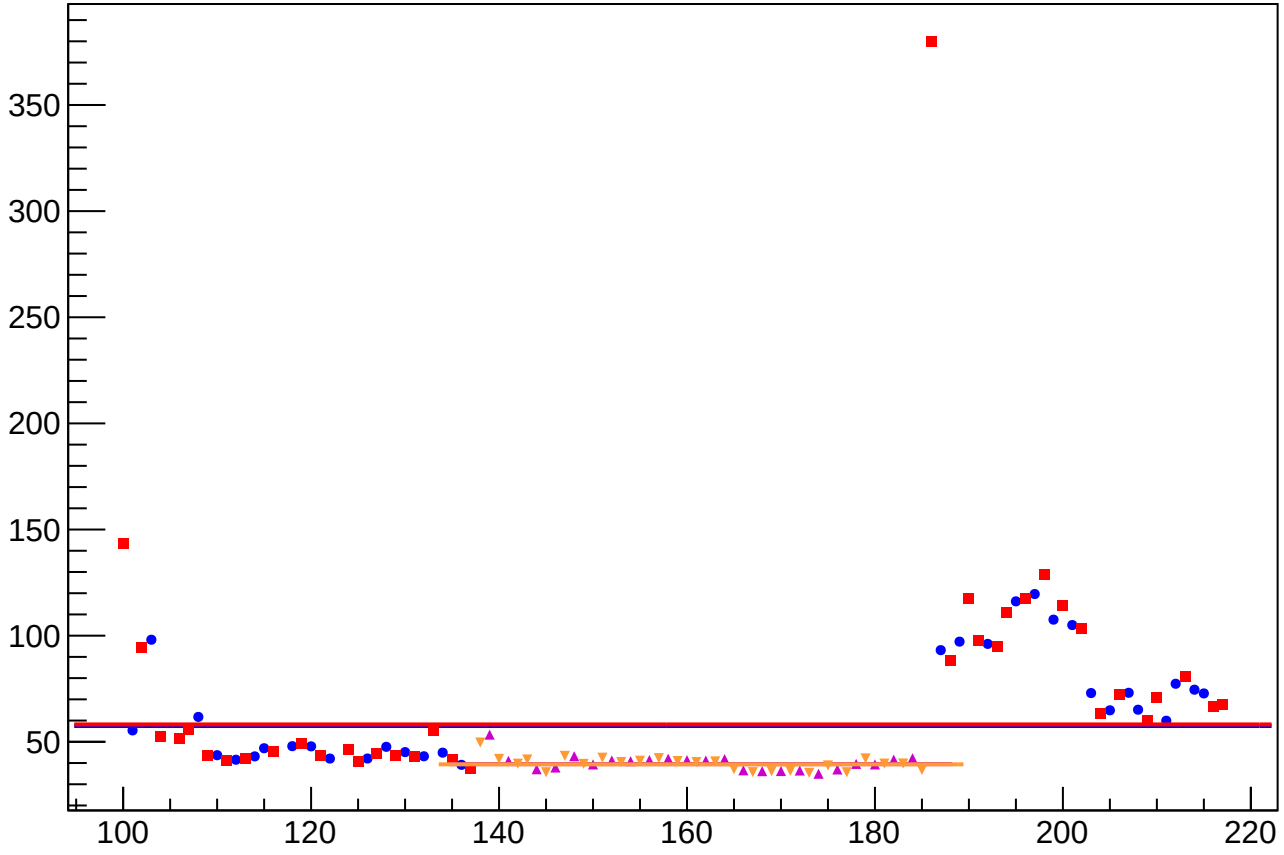
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -13.196+/-7.558 χ^2/NDF: 100.1/55

All: -2.402+/-5.395 χ^2/NDF: 184.7/114

- sign 8.811+/-7.704 χ^2/NDF: 80.4/58

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 57.432+/-0.010 χ^2/NDF: 4028099.9/30

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

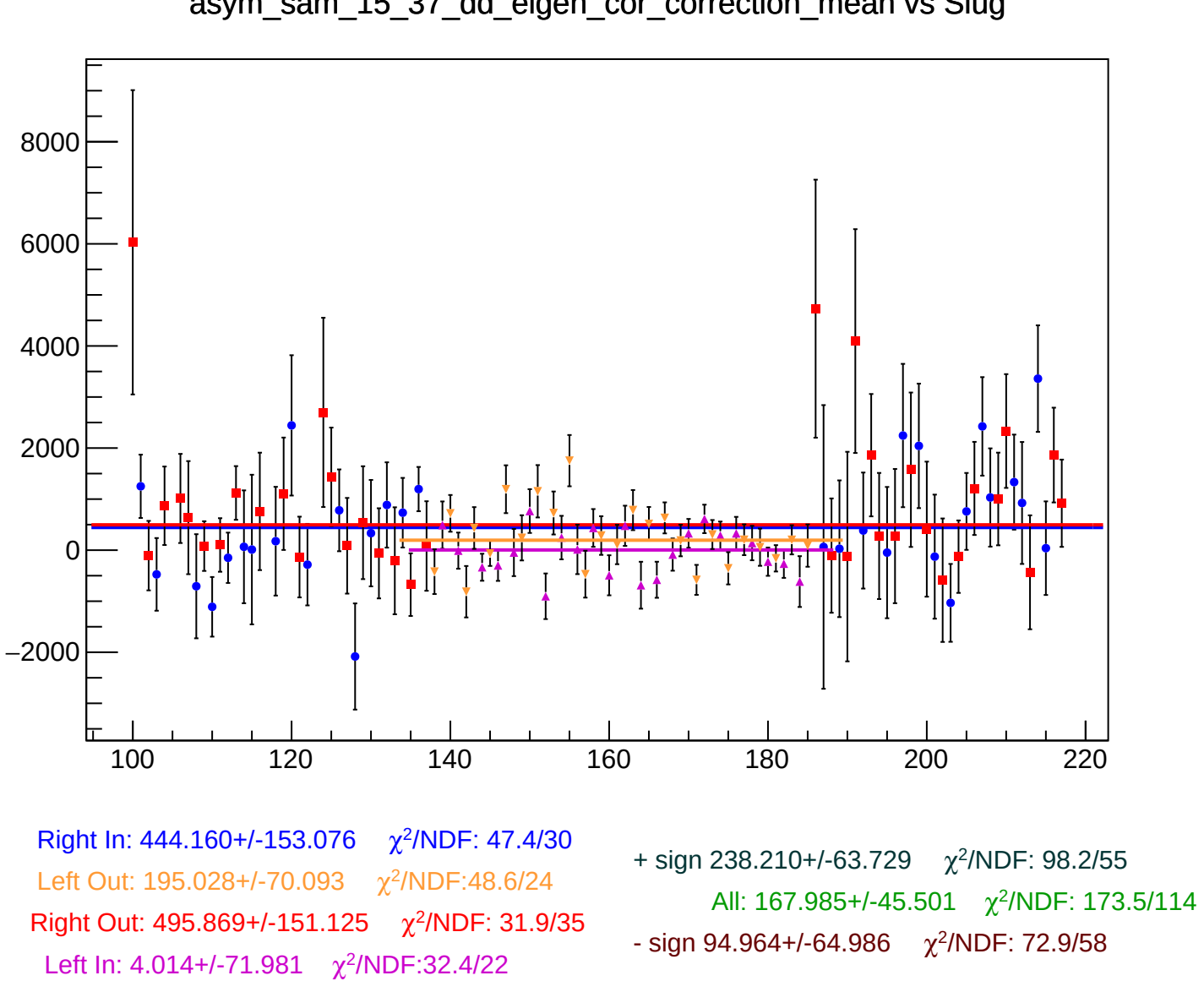
Right Out: 58.189+/-0.010 χ^2/NDF: 5258330.3/35

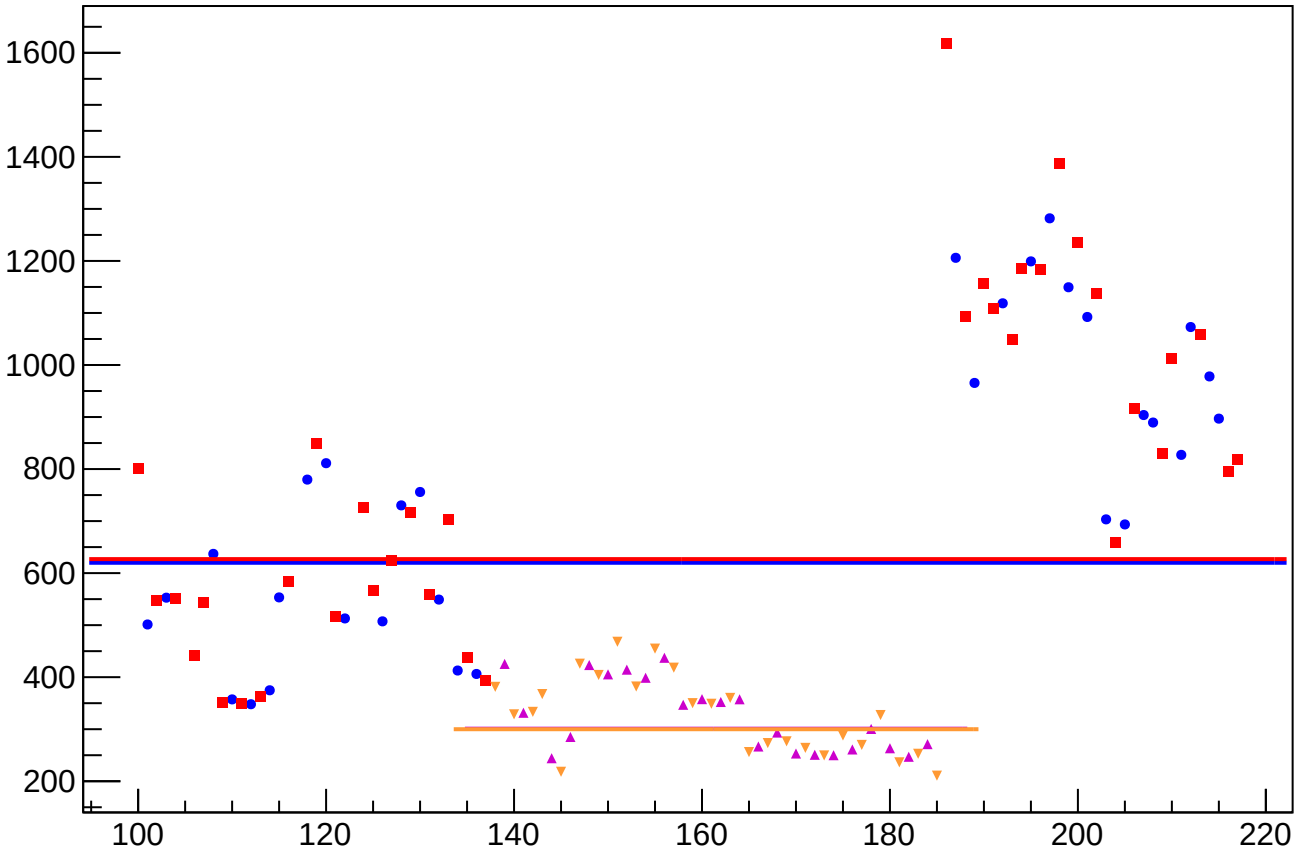
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.686+/-0.005 χ^2/NDF: 6623804.4/55

All: 44.977+/-0.004 χ^2/NDF: 14658863.0/114

- sign 45.281+/-0.005 χ^2/NDF: 8028980.1/58


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 444.160+/-153.076 χ²/NDF: 47.4/30
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 495.869+/-151.125 χ²/NDF: 31.9/35
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 238.210+/-63.729 χ²/NDF: 98.2/55
All: 167.985+/-45.501 χ²/NDF: 173.5/114
- sign 94.964+/-64.986 χ²/NDF: 72.9/58



Right In: 619.896+/-0.108 χ^2/NDF: 5423131.9/30

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 626.921+/-0.107 χ^2/NDF: 6557747.5/35

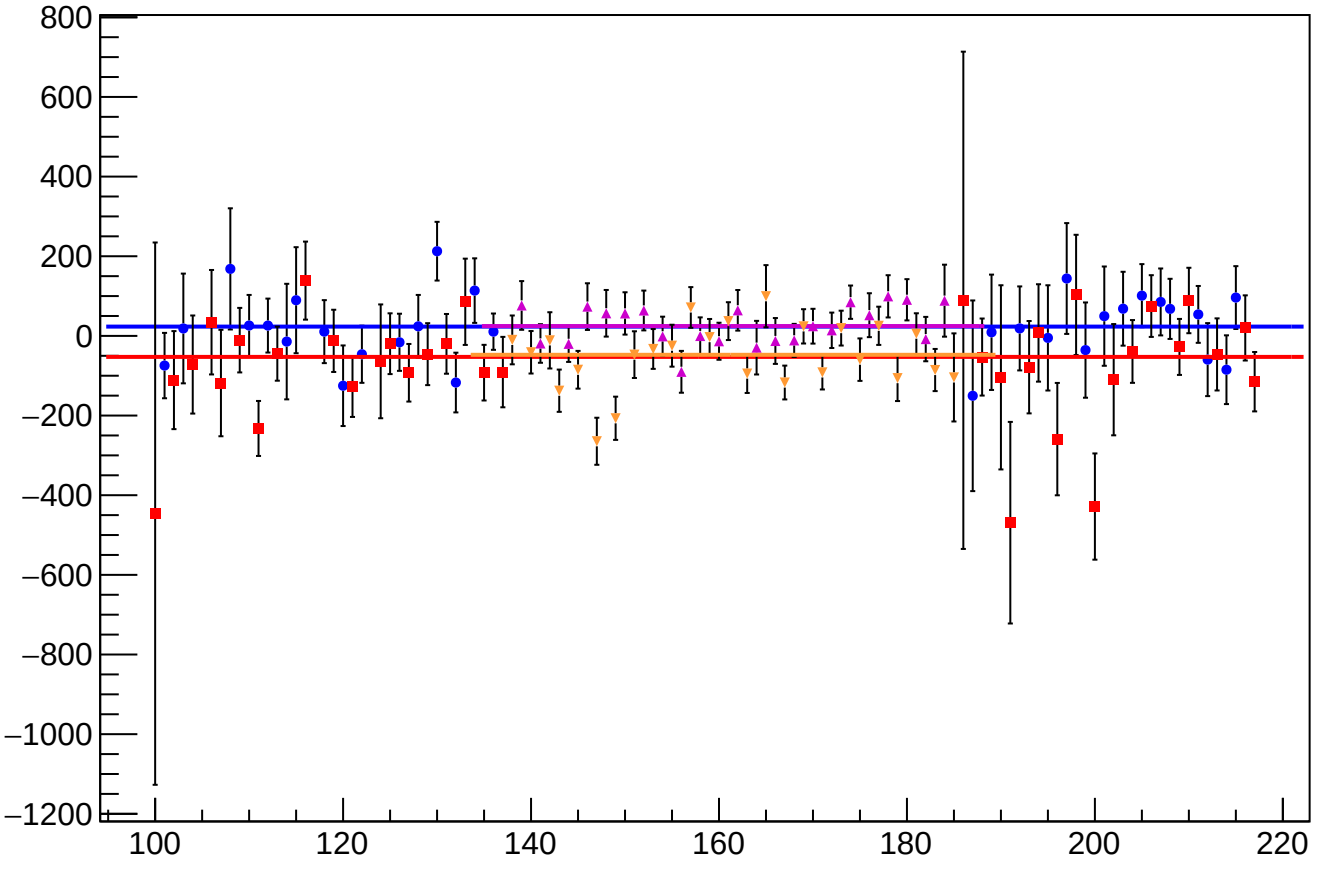
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 355.427+/-0.045 χ^2/NDF: 14453139.8/55

All: 358.290+/-0.032 χ^2/NDF: 30008404.4/11

- sign 361.266+/-0.046 χ^2/NDF: 15547032.6/58

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.352+/-15.542 χ^2/NDF: 24.6/30

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.726+/-15.697 χ^2/NDF: 38.0/35

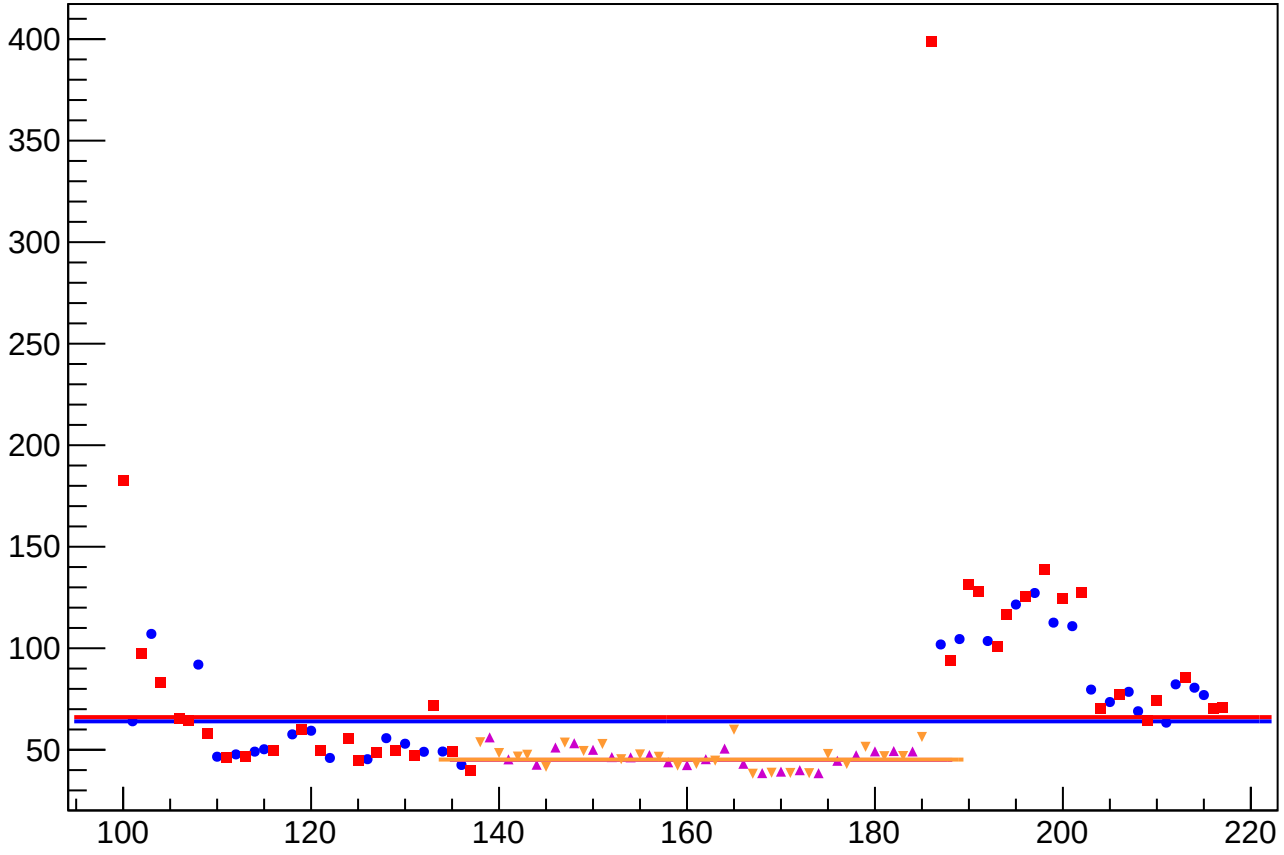
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -25.596+/-8.639 χ^2/NDF: 93.7/55

All: -12.937+/-6.171 χ^2/NDF: 172.4/114

- sign 0.254+/-8.819 χ^2/NDF: 74.3/58

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.011+/-0.011 χ^2/NDF: 3715149.3/30

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.090+/-0.011 χ^2/NDF: 4842834.5/35

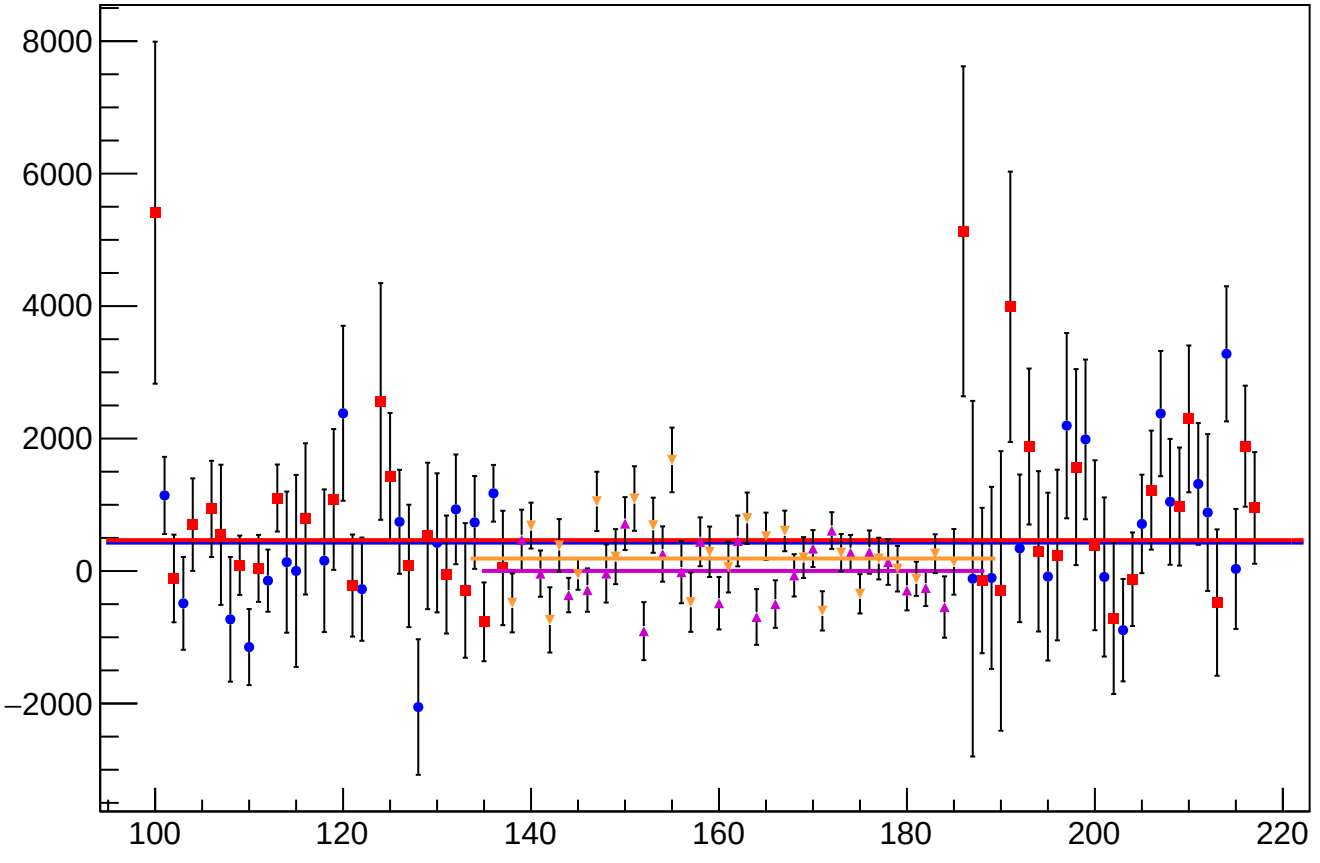
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 50.994+/-0.006 χ^2/NDF: 6235003.8/55

All: 51.325+/-0.004 χ^2/NDF: 13923369.9/114

- sign 51.668+/-0.006 χ^2/NDF: 7682403.4/58

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 429.002+/-150.175 χ^2/NDF: 47.3/30

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 466.522+/-145.558 χ^2/NDF: 35.1/35

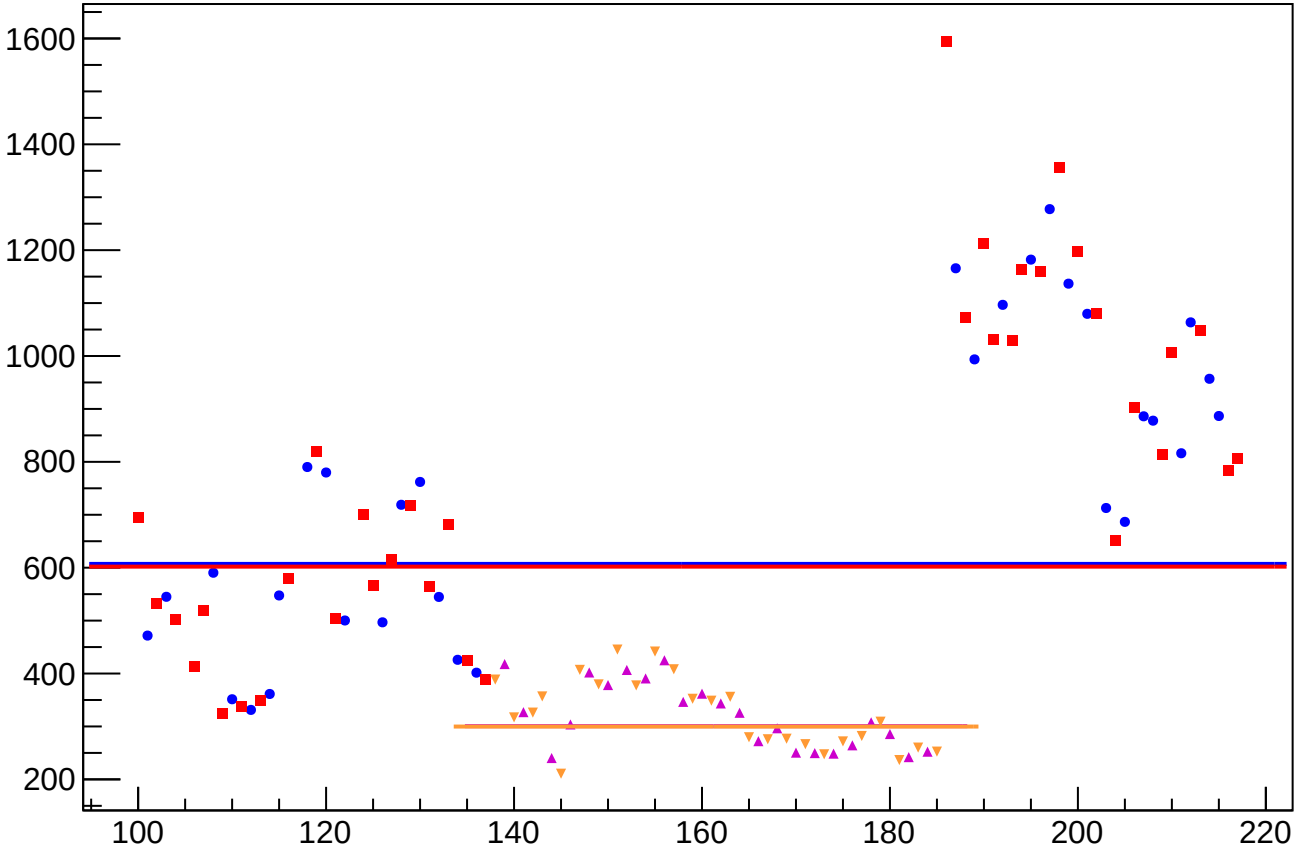
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 231.396+/-63.233 χ^2/NDF: 96.1/55

All: 163.118+/-45.095 χ^2/NDF: 174.0/114

- sign 92.452+/-64.329 χ^2/NDF: 75.5/58

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 607.144+/-0.106 χ^2/NDF: 5585729.5/30

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 601.986+/-0.103 χ^2/NDF: 6931999.2/35

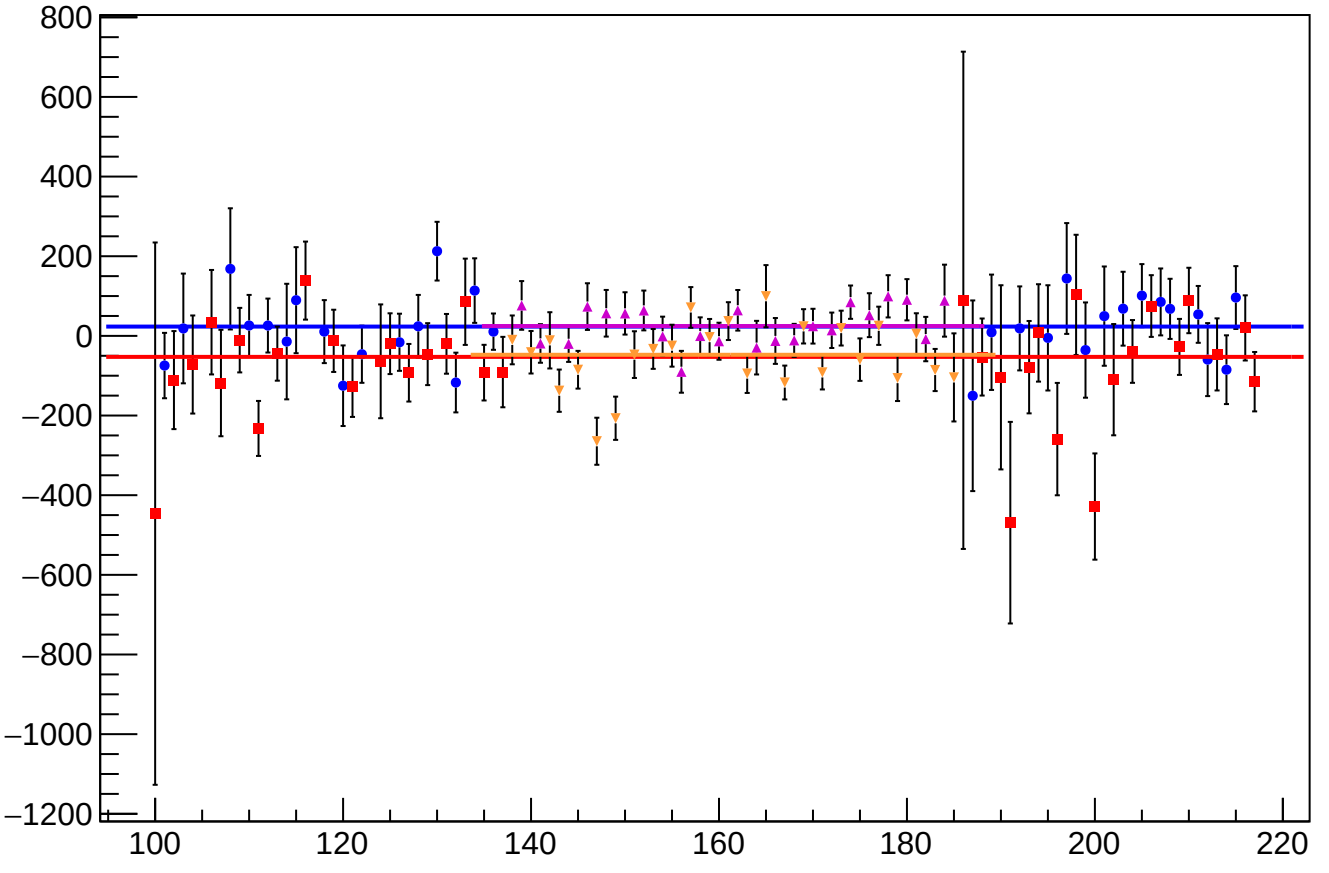
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

\+ sign 354.288+/-0.045 χ^2/NDF: 14055008.8/55

All: 356.810+/-0.032 χ^2/NDF: 29155037.8/11

\- sign 359.421+/-0.045 χ^2/NDF: 15093552.1/58

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 23.351+/-15.542 χ^2/NDF: 24.6/30

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.727+/-15.697 χ^2/NDF: 38.0/35

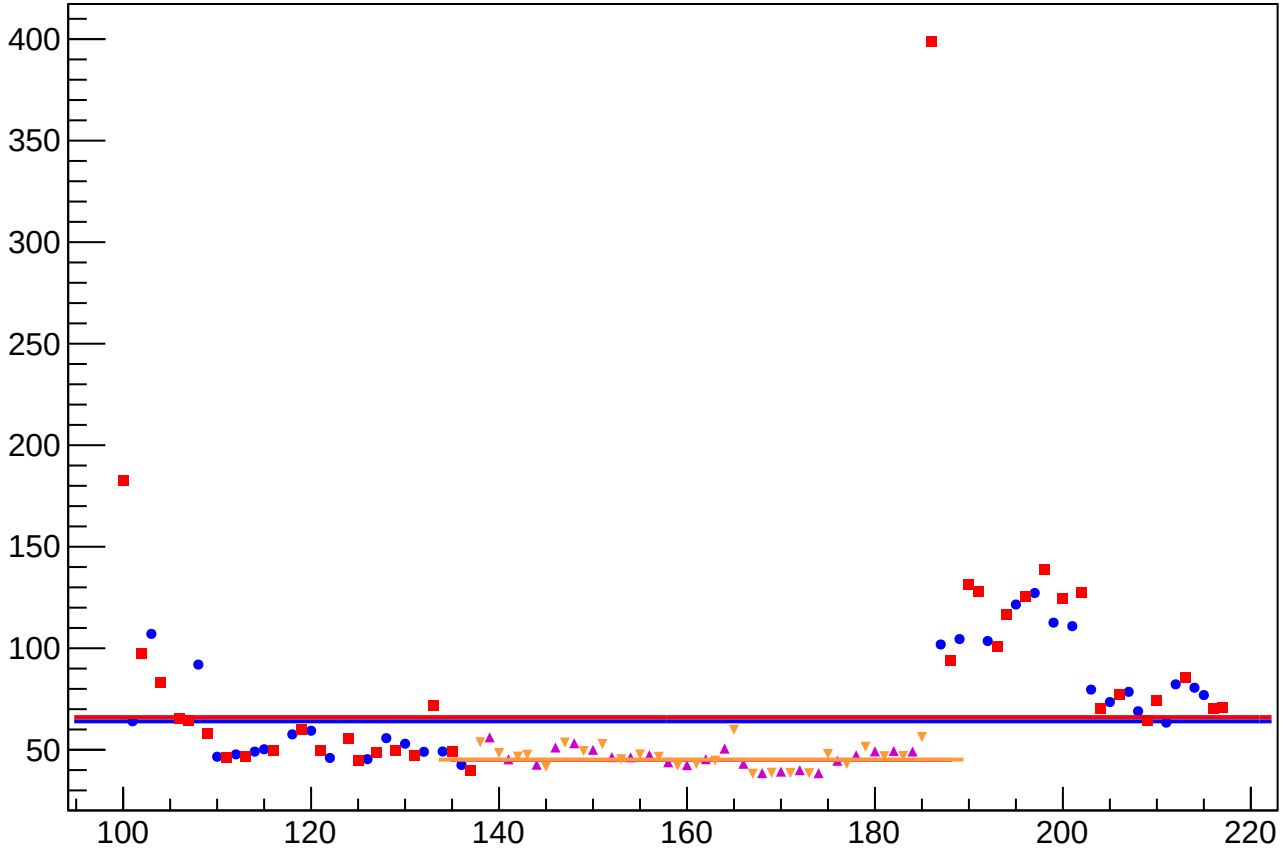
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -25.597+/-8.639 χ^2/NDF: 93.7/55

All: -12.938+/-6.171 χ^2/NDF: 172.4/114

- sign 0.254+/-8.819 χ^2/NDF: 74.3/58

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.011+/-0.011 χ^2/NDF: 3715153.8/30

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

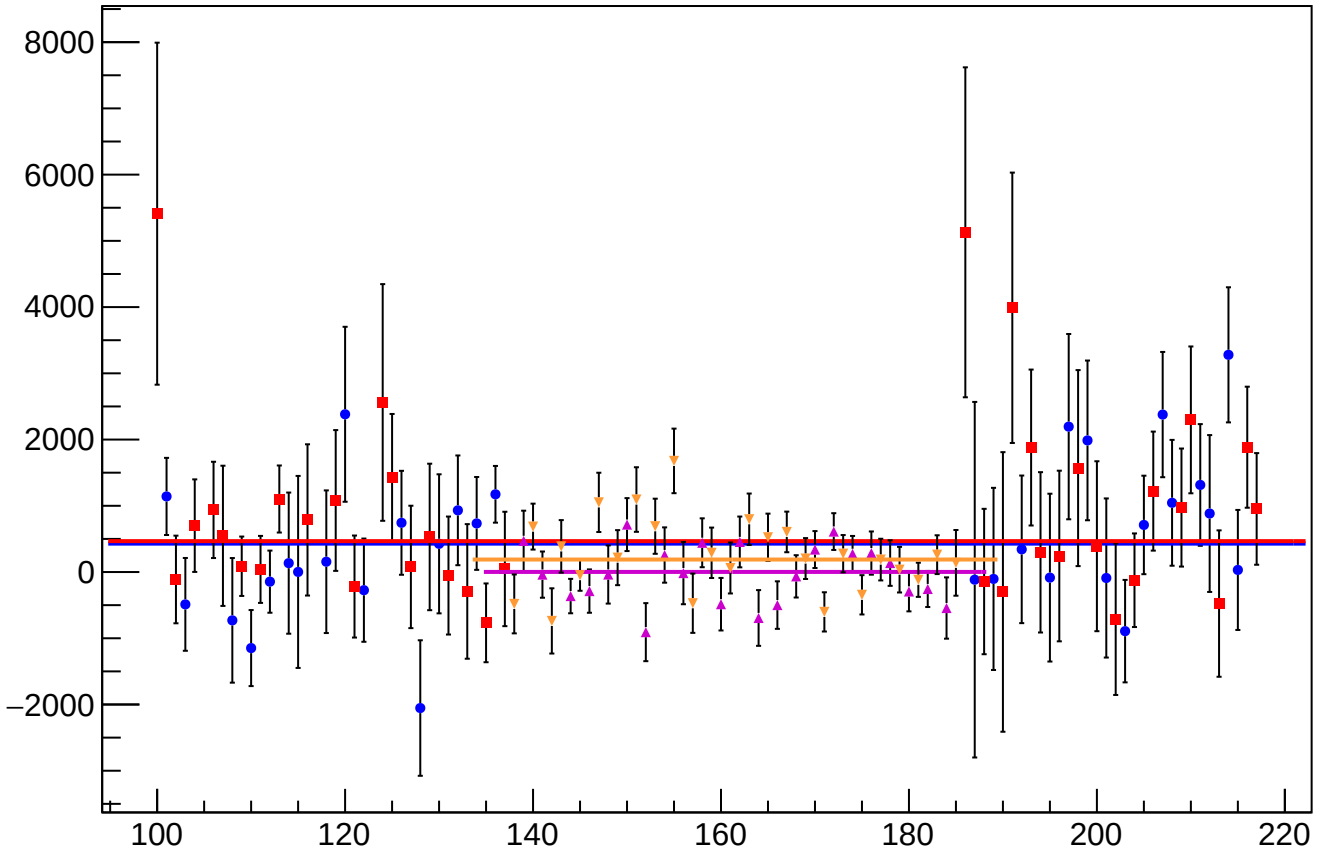
Right Out: 66.090+/-0.011 χ^2/NDF: 4842837.8/35

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 50.994+/-0.006 χ^2/NDF: 6235007.9/55

All: 51.325+/-0.004 χ^2/NDF: 13923376.0/114

- sign 51.669+/-0.006 χ^2/NDF: 7682404.7/58



Right In: 429.000+/-150.175 χ^2/NDF: 47.3/30

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

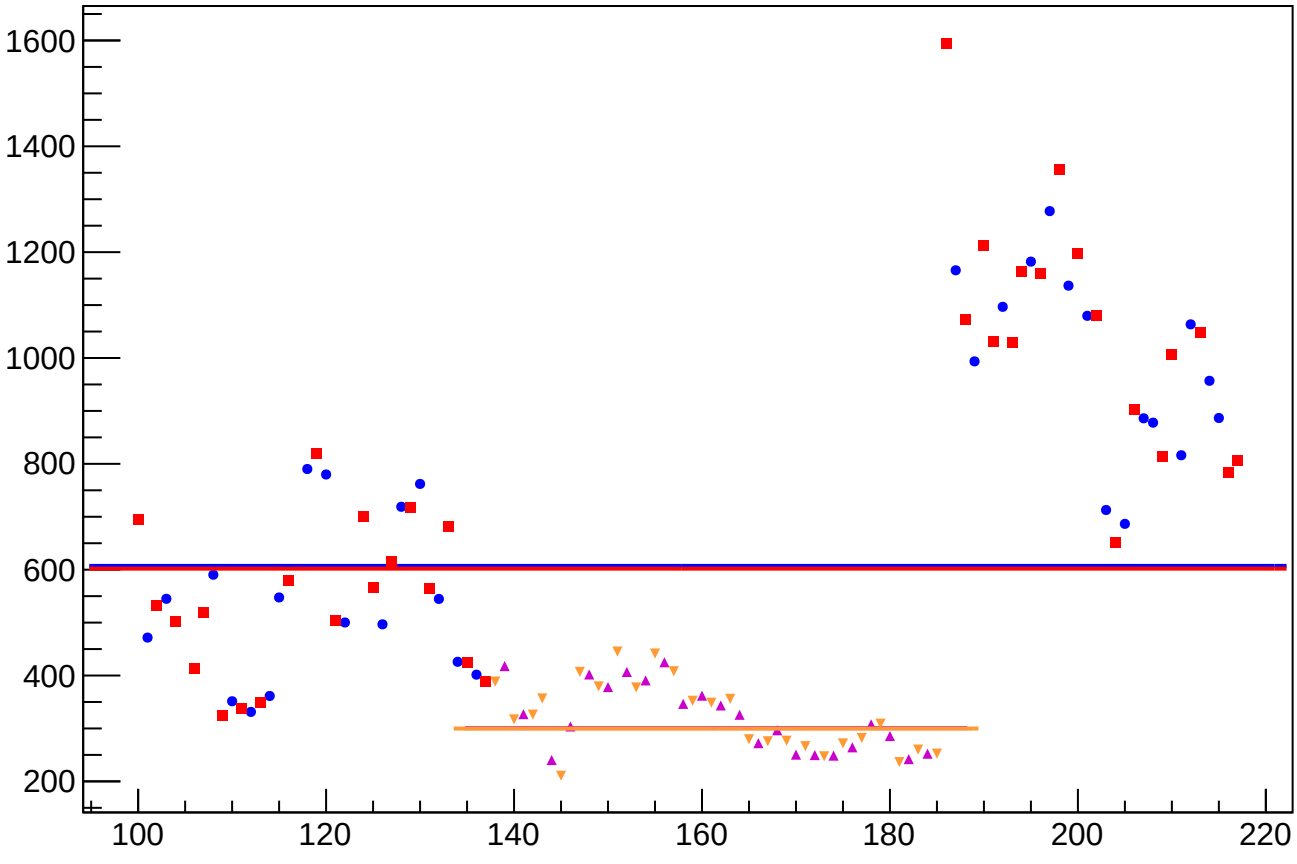
Right Out: 466.521+/-145.557 χ^2/NDF: 35.1/35

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 231.396+/-63.233 χ^2/NDF: 96.1/55

All: 163.118+/-45.095 χ^2/NDF: 174.0/114

- sign 92.452+/-64.329 χ^2/NDF: 75.5/58



Right In: 607.143+/-0.106 χ^2/NDF: 5585749.4/30

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 601.986+/-0.103 χ^2/NDF: 6932014.5/35

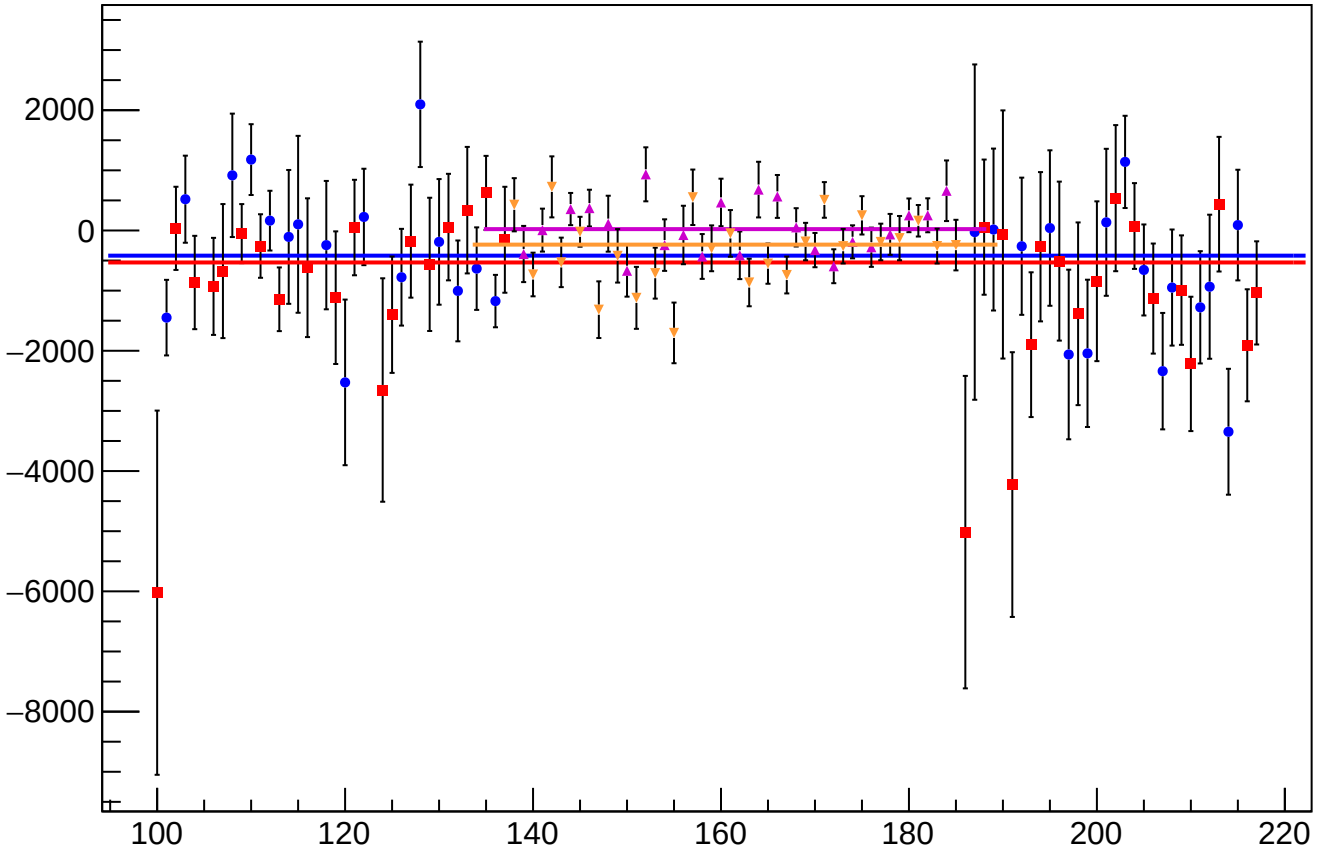
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 354.288+/-0.045 χ^2/NDF: 14054994.1/55

All: 356.811+/-0.032 χ^2/NDF: 29154986.6/11

- sign 359.422+/-0.045 χ^2/NDF: 15093515.0/58

asym_sam_15_37_dd_mean vs Slug



Right In: -418.588+/-153.980 χ^2/NDF: 48.9/30

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -531.770+/-151.583 χ^2/NDF: 30.4/35

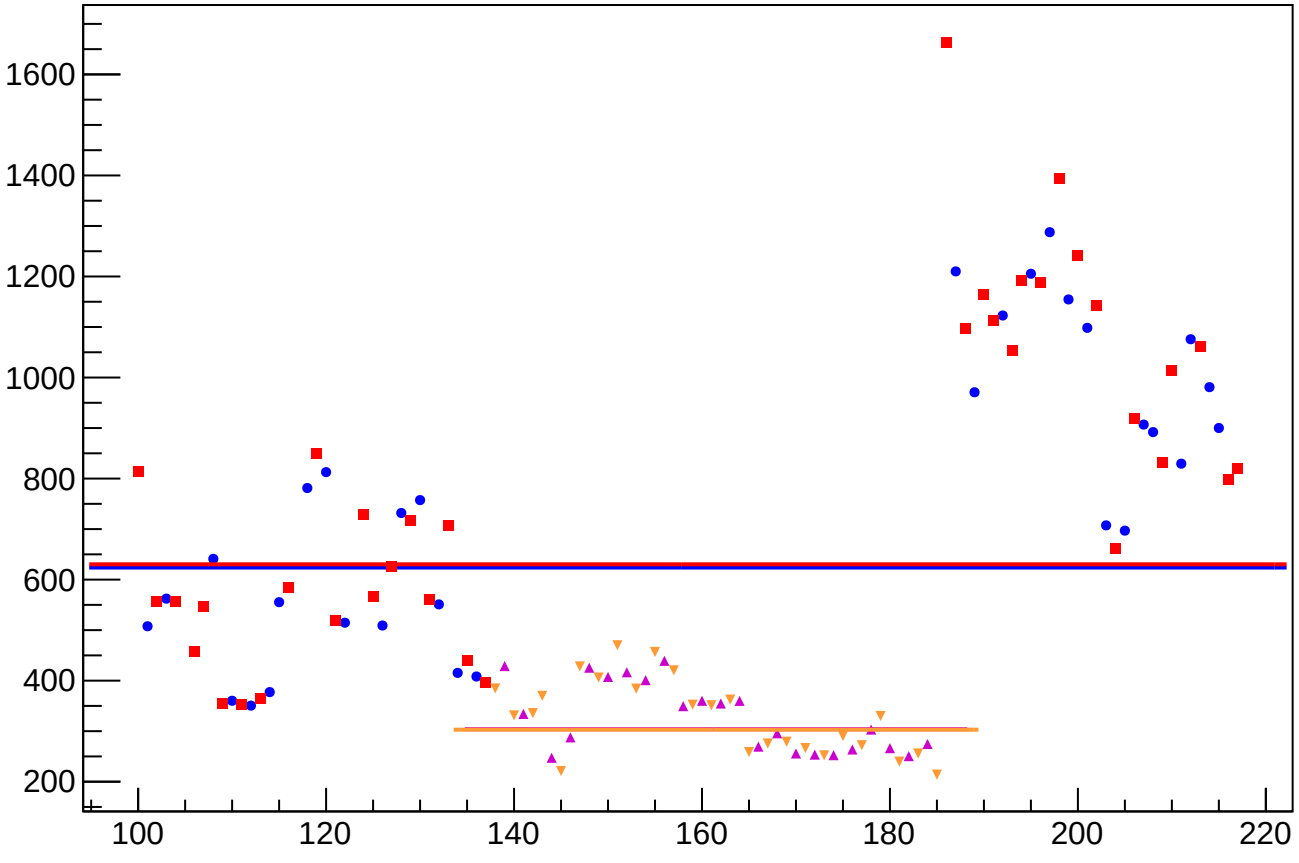
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -267.135+/-64.282 χ^2/NDF: 97.5/55

All: -175.770+/-45.882 χ^2/NDF: 172.8/114

- sign -80.886+/-65.508 χ^2/NDF: 71.2/58

asym_sam_15_37_dd_rms vs Slug



Right In: 623.895+/-0.109 χ^2/NDF: 5387687.3/30

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

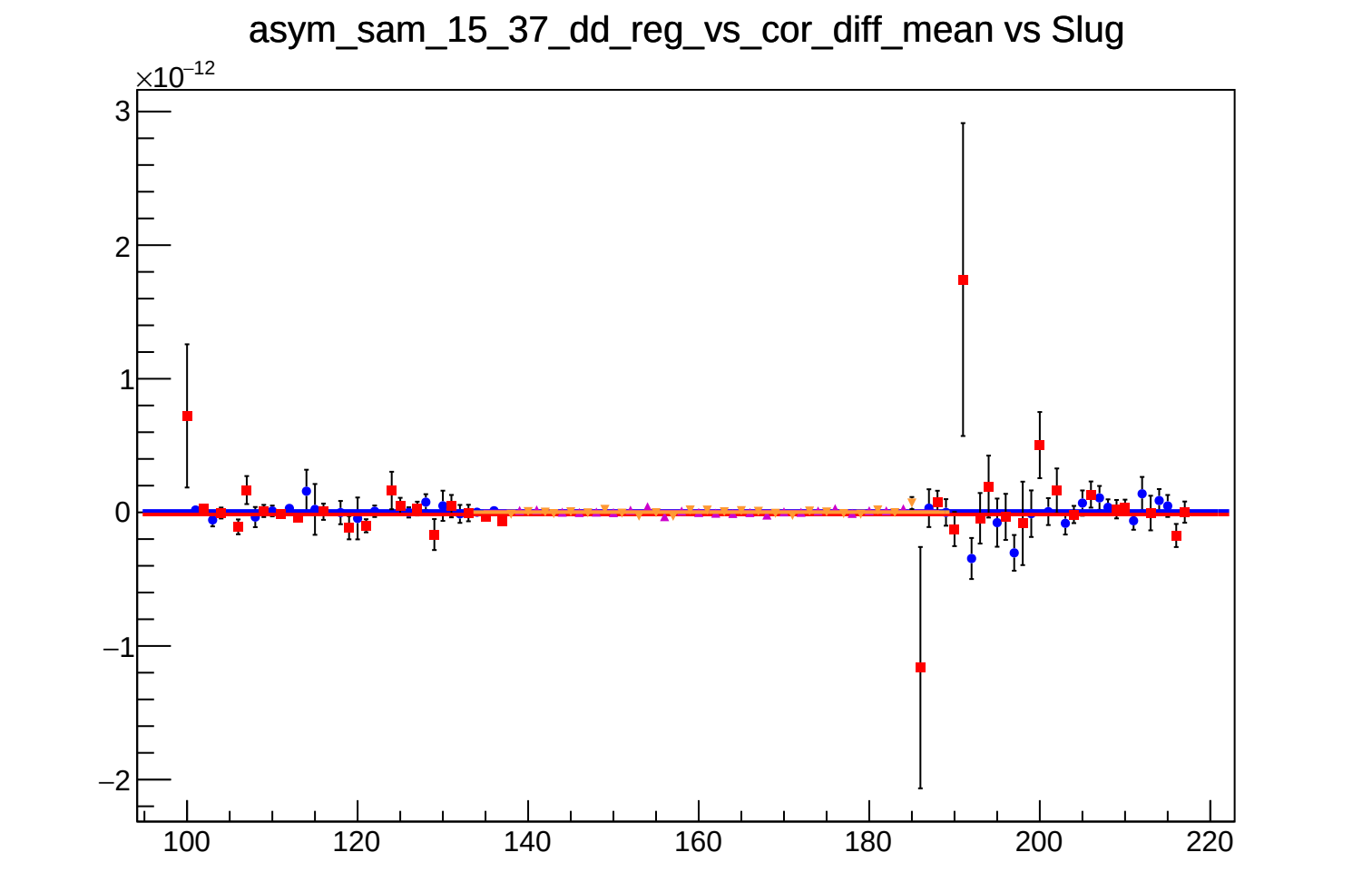
Right Out: 630.297+/-0.107 χ^2/NDF: 6528802.3/35

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 358.879+/-0.045 χ^2/NDF: 14328611.7/55

All: 361.822+/-0.032 χ^2/NDF: 29782302.1/11

- sign 364.878+/-0.046 χ^2/NDF: 15445146.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

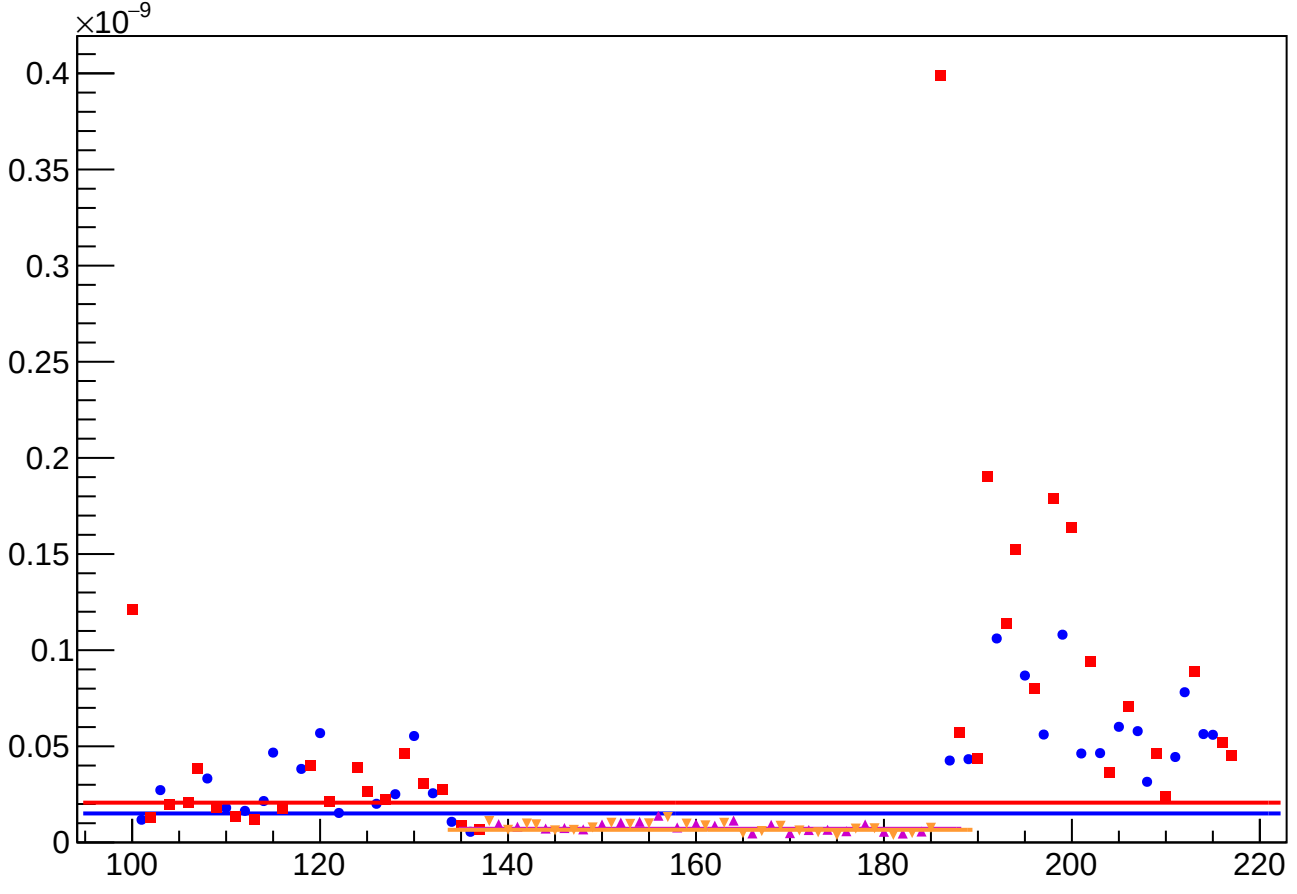
Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/35

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.9/55

All: 0.000+/-0.000 χ^2/NDF: 113.1/114

- sign 0.000+/-0.000 χ^2/NDF: 66.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7955893.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

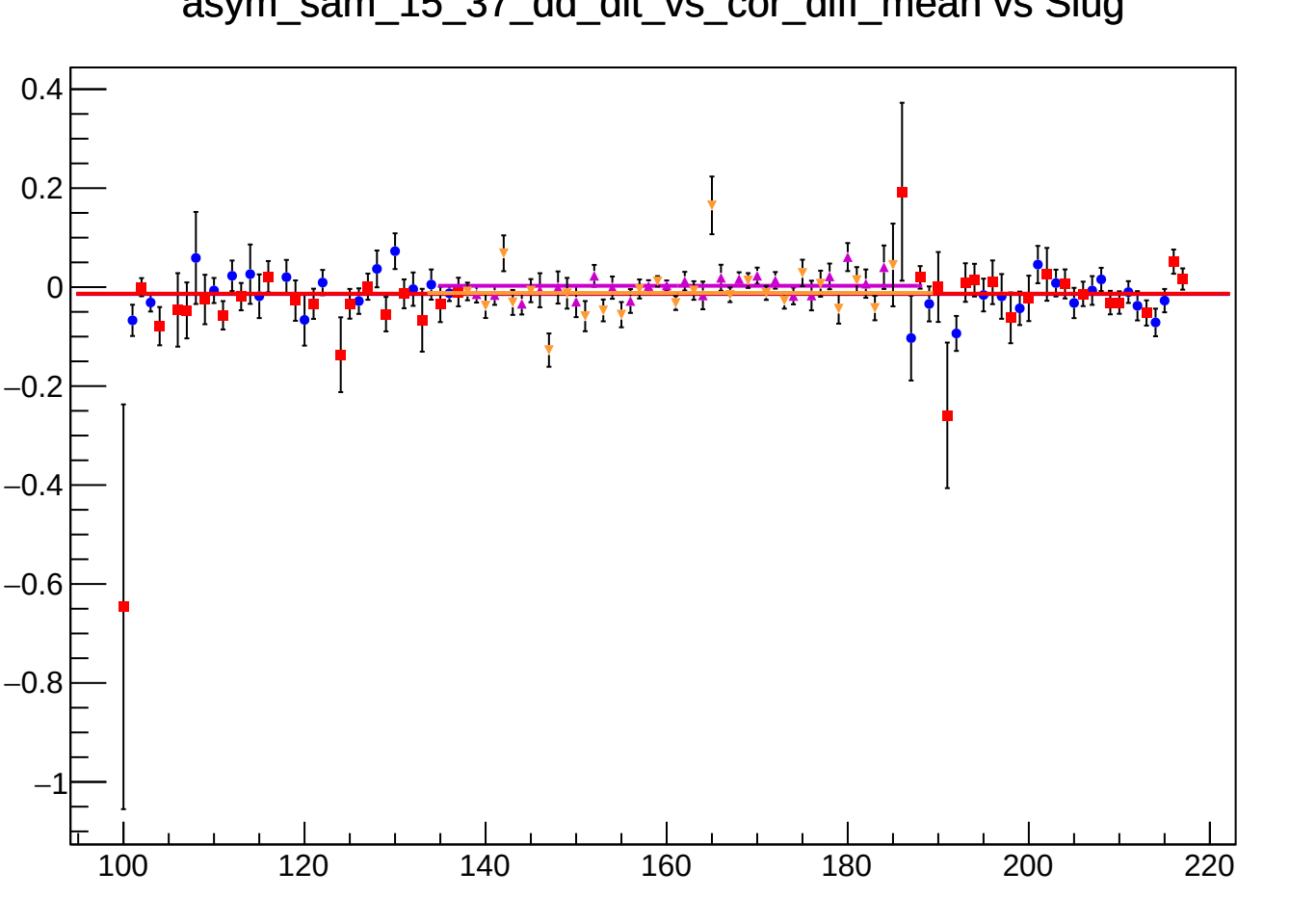
Right Out: 0.000+/-0.000 χ^2/NDF: 7371059.0/35

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11670666.6/55

All: 0.000+/-0.000 χ^2/NDF: 23856190.1/114

- sign 0.000+/-0.000 χ^2/NDF: 12107562.7/58



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

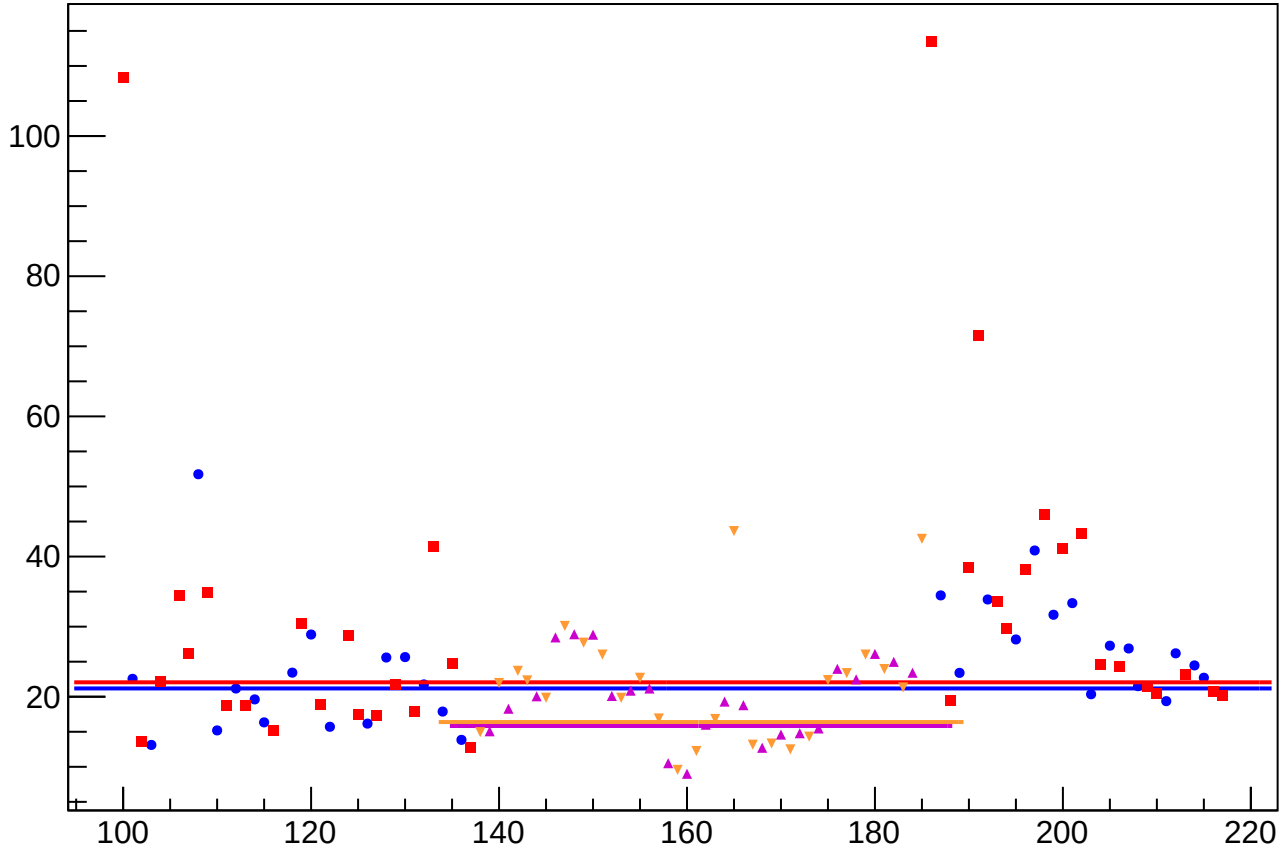
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 88.7/55

All: -0.008+/-0.002 χ^2/NDF: 156.7/114

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.181+/-0.004 χ^2/NDF: 2940430.7/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

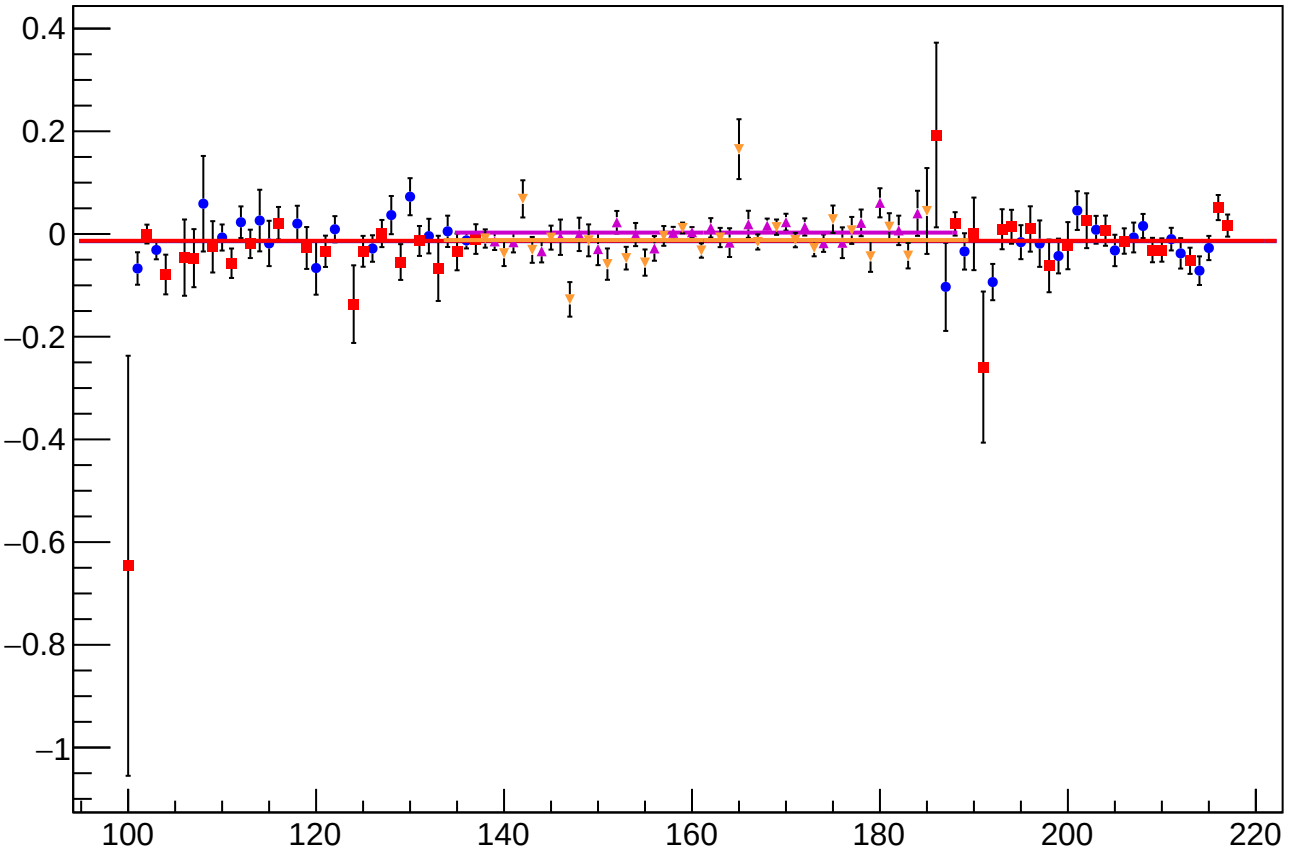
Right Out: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 18.167+/-0.002 χ^2/NDF: 8002620.1/55

All: 18.109+/-0.002 χ^2/NDF: 17499041.1/114

\- sign 18.051+/-0.002 χ^2/NDF: 9495116.3/58



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

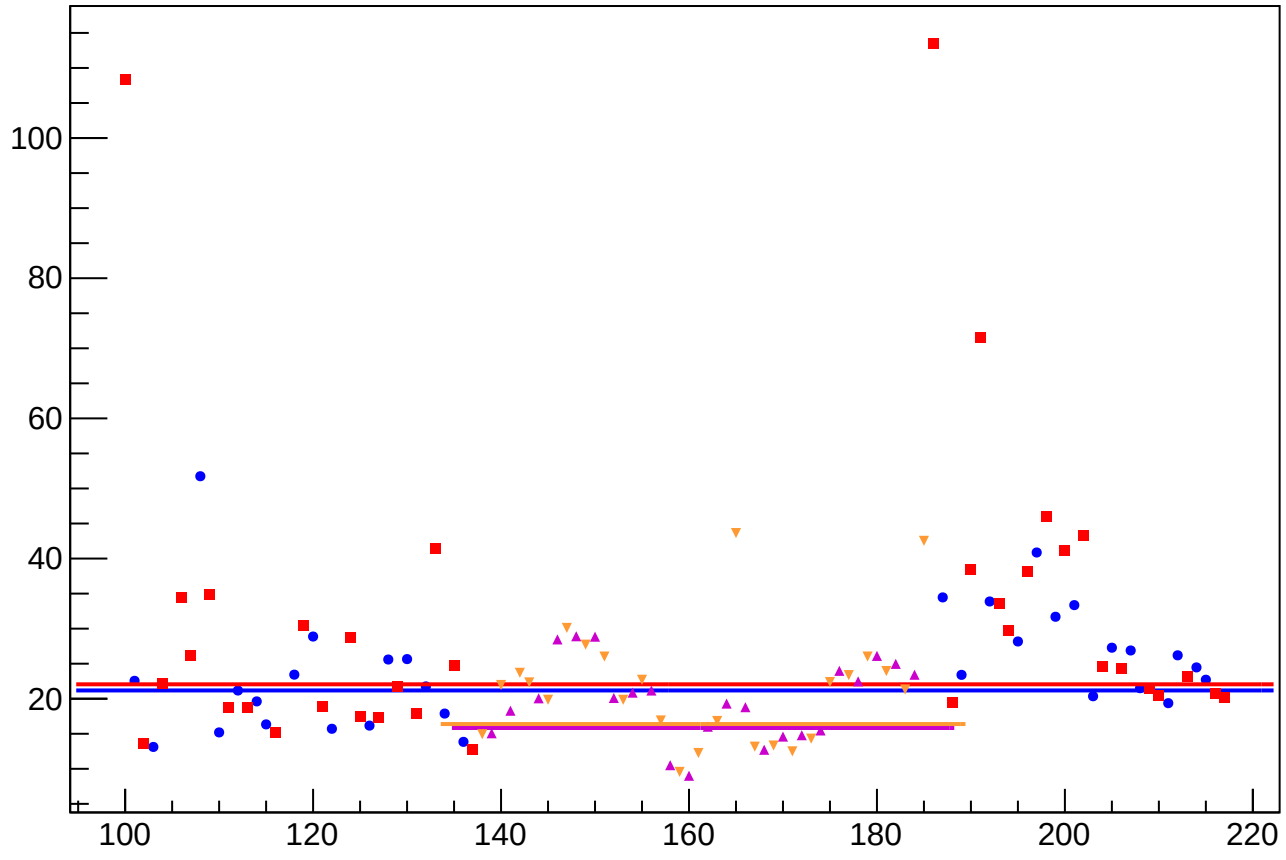
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 88.7/55

All: -0.008+/-0.002 χ^2/NDF: 156.7/114

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.181+/-0.004 χ^2/NDF: 2940430.7/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

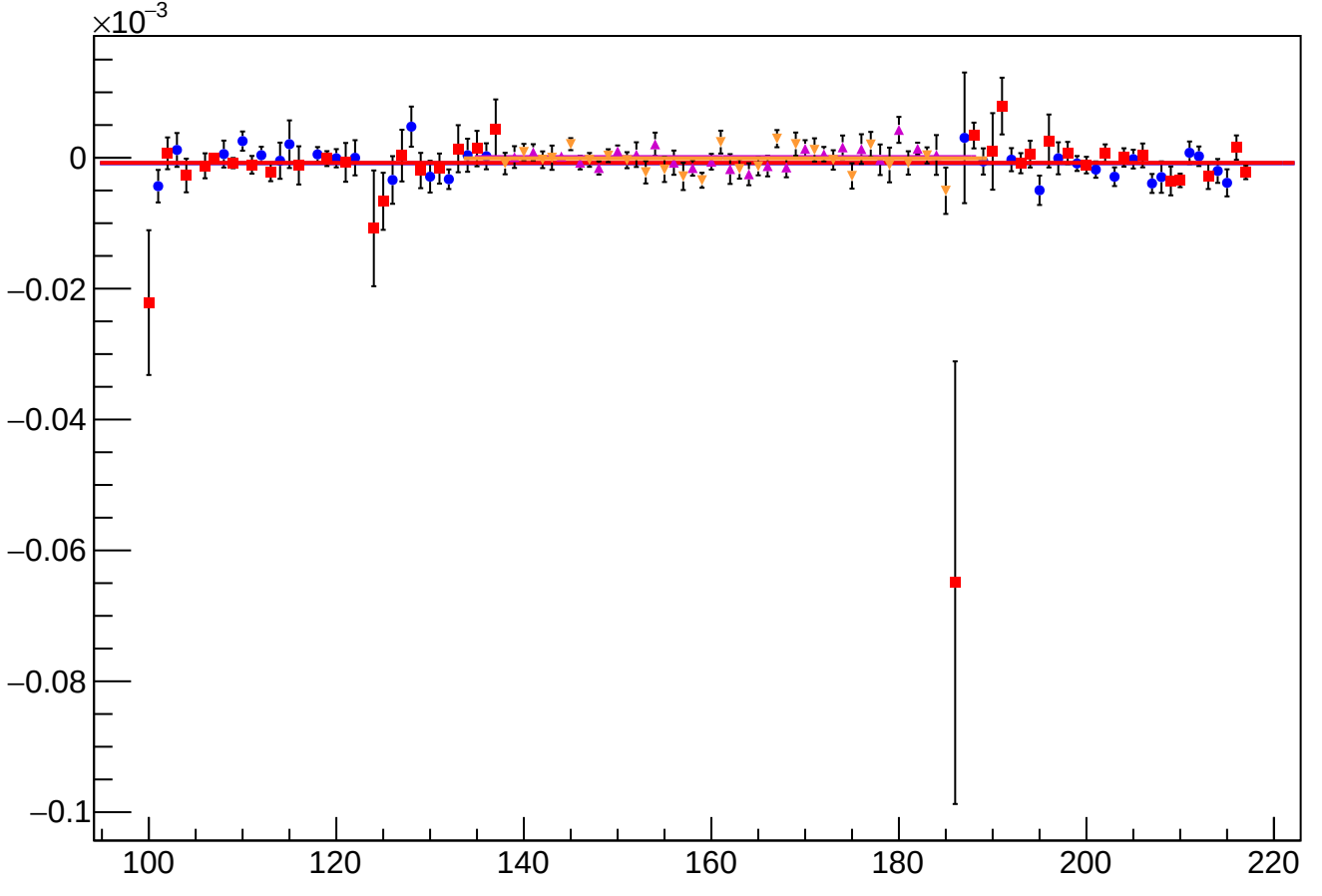
Right Out: 22.057+/-0.004 χ^2/NDF: 4139487.9/35

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.167+/-0.002 χ^2/NDF: 8002620.1/55

All: 18.109+/-0.002 χ^2/NDF: 17499041.1/114

- sign 18.051+/-0.002 χ^2/NDF: 9495116.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

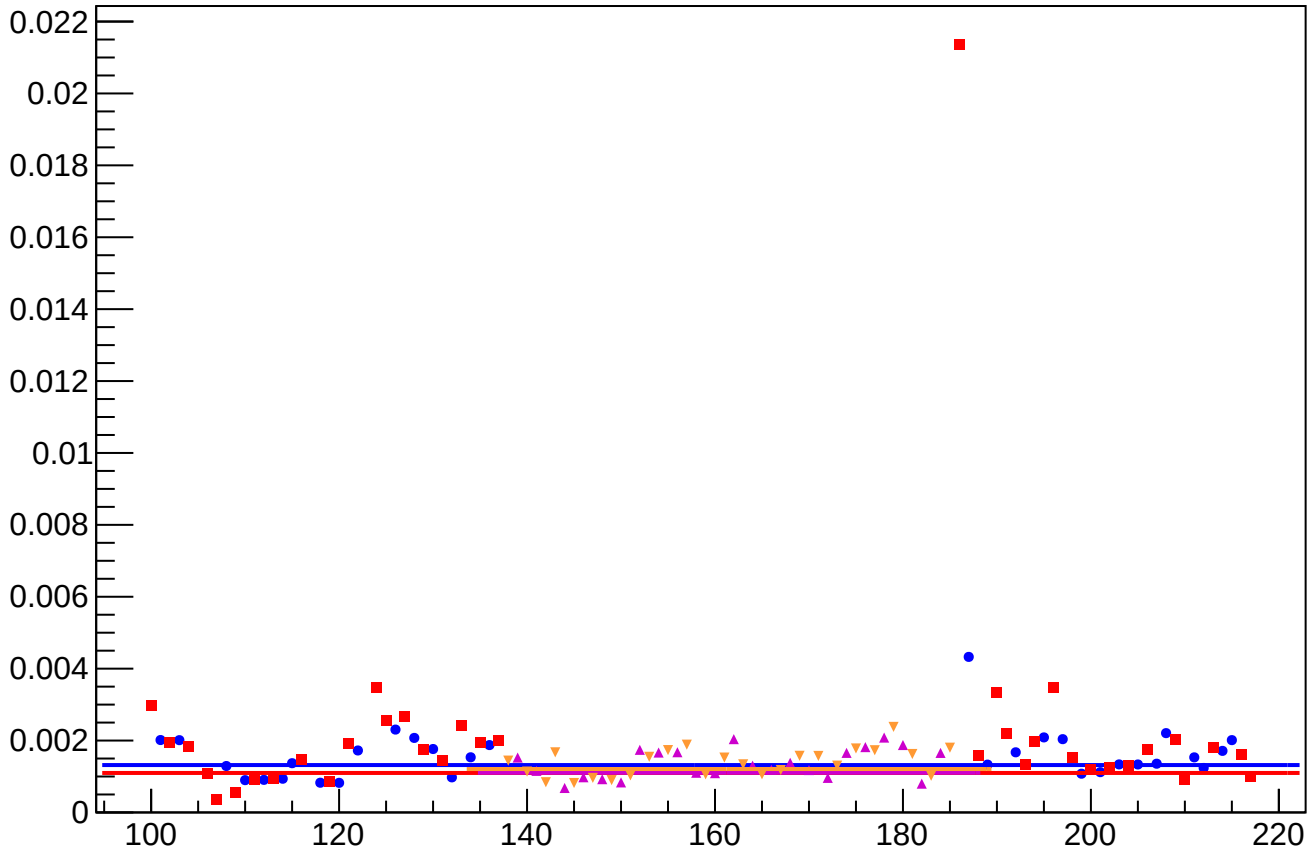
Right Out: -0.000+/-0.000 χ^2/NDF: 41.9/35

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.4/55

All: -0.000+/-0.000 χ^2/NDF: 143.5/114

- sign -0.000+/-0.000 χ^2/NDF: 68.9/58



Right In: 0.001+/-0.000 χ^2/NDF: 3436007.7/30

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

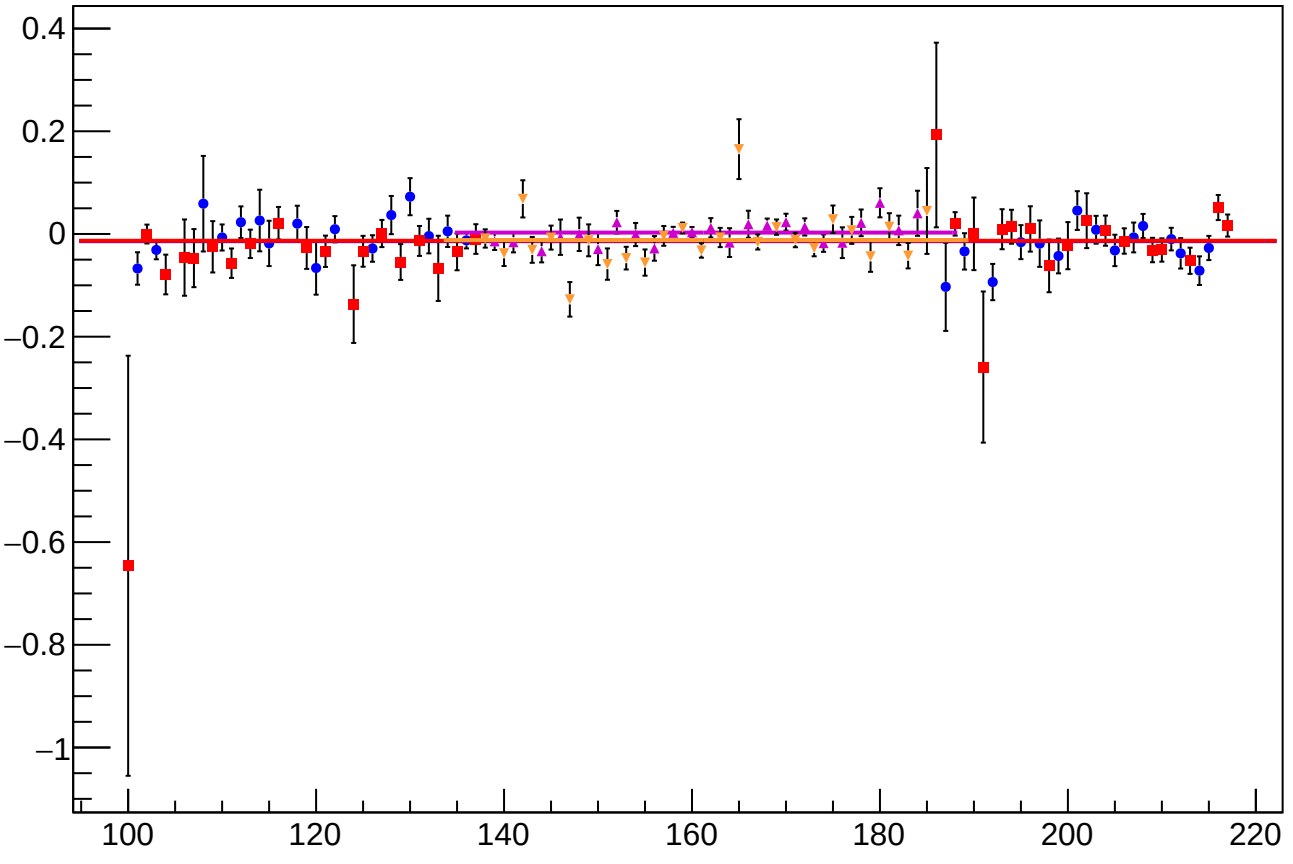
Right Out: 0.001+/-0.000 χ^2/NDF: 8820992.5/35

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6288927.8/55

All: 0.001+/-0.000 χ^2/NDF: 19185533.8/114

- sign 0.001+/-0.000 χ^2/NDF: 12316360.3/58



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

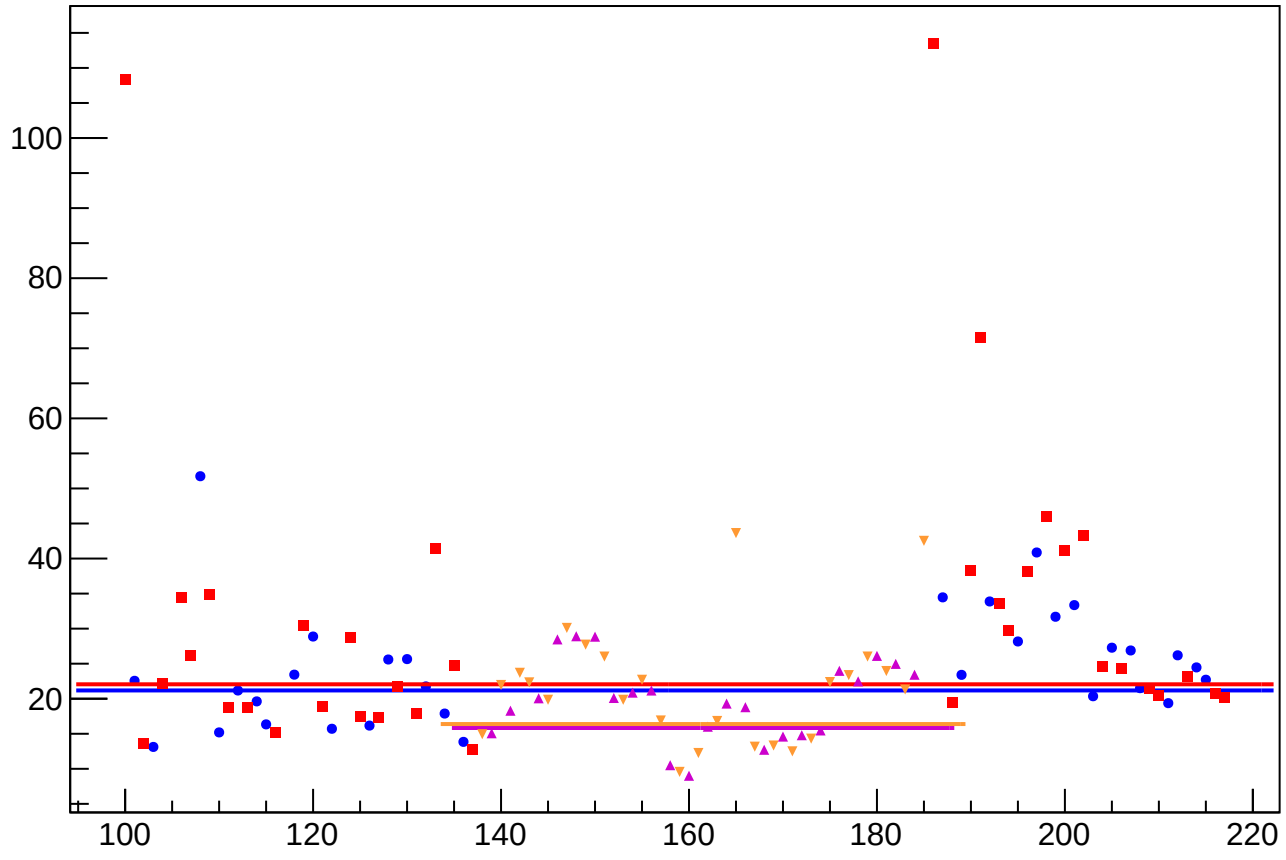
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 88.7/55

All: -0.008+/-0.002 χ^2/NDF: 156.7/114

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.181+/-0.004 χ^2/NDF: 2940455.0/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

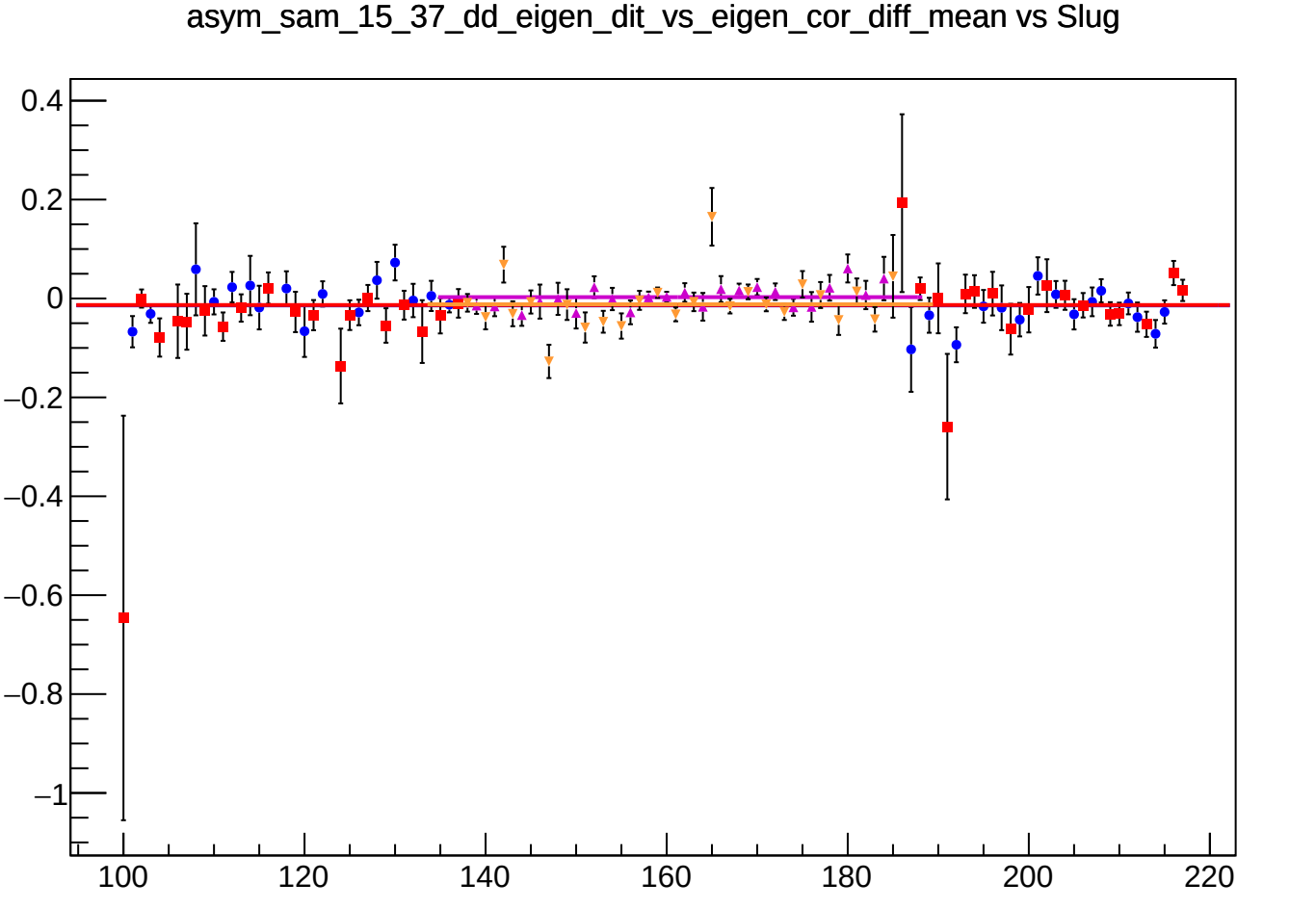
Right Out: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.167+/-0.002 χ^2/NDF: 8002980.7/55

All: 18.109+/-0.002 χ^2/NDF: 17499826.0/114

- sign 18.051+/-0.002 χ^2/NDF: 9495541.6/58



Right In: -0.014+/-0.005 χ^2/NDF: 35.1/30

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

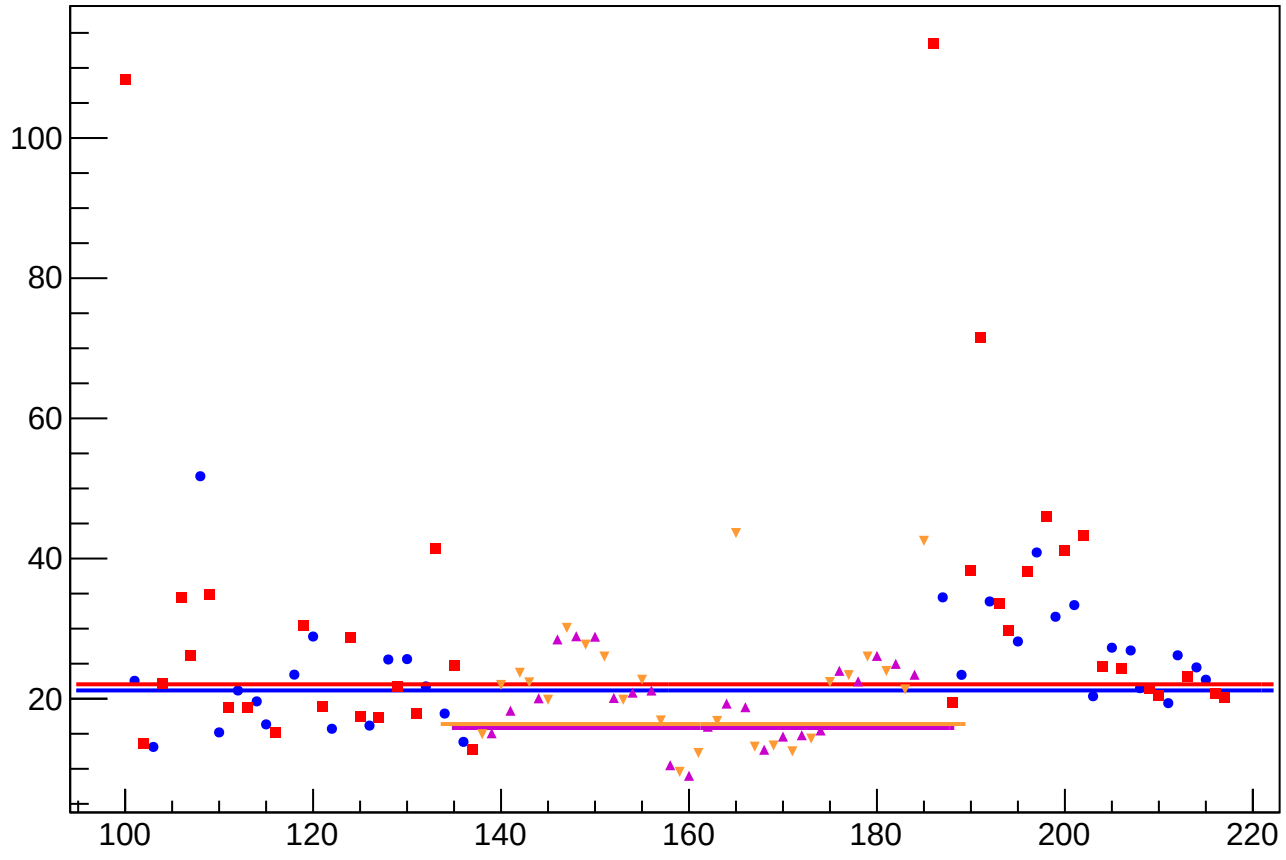
Right Out: -0.013+/-0.005 χ^2/NDF: 38.3/35

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.013+/-0.003 χ^2/NDF: 88.7/55

All: -0.008+/-0.002 χ^2/NDF: 156.7/114

- sign -0.003+/-0.003 χ^2/NDF: 63.6/58



Right In: 21.181+/-0.004 χ^2/NDF: 2940455.0/30

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

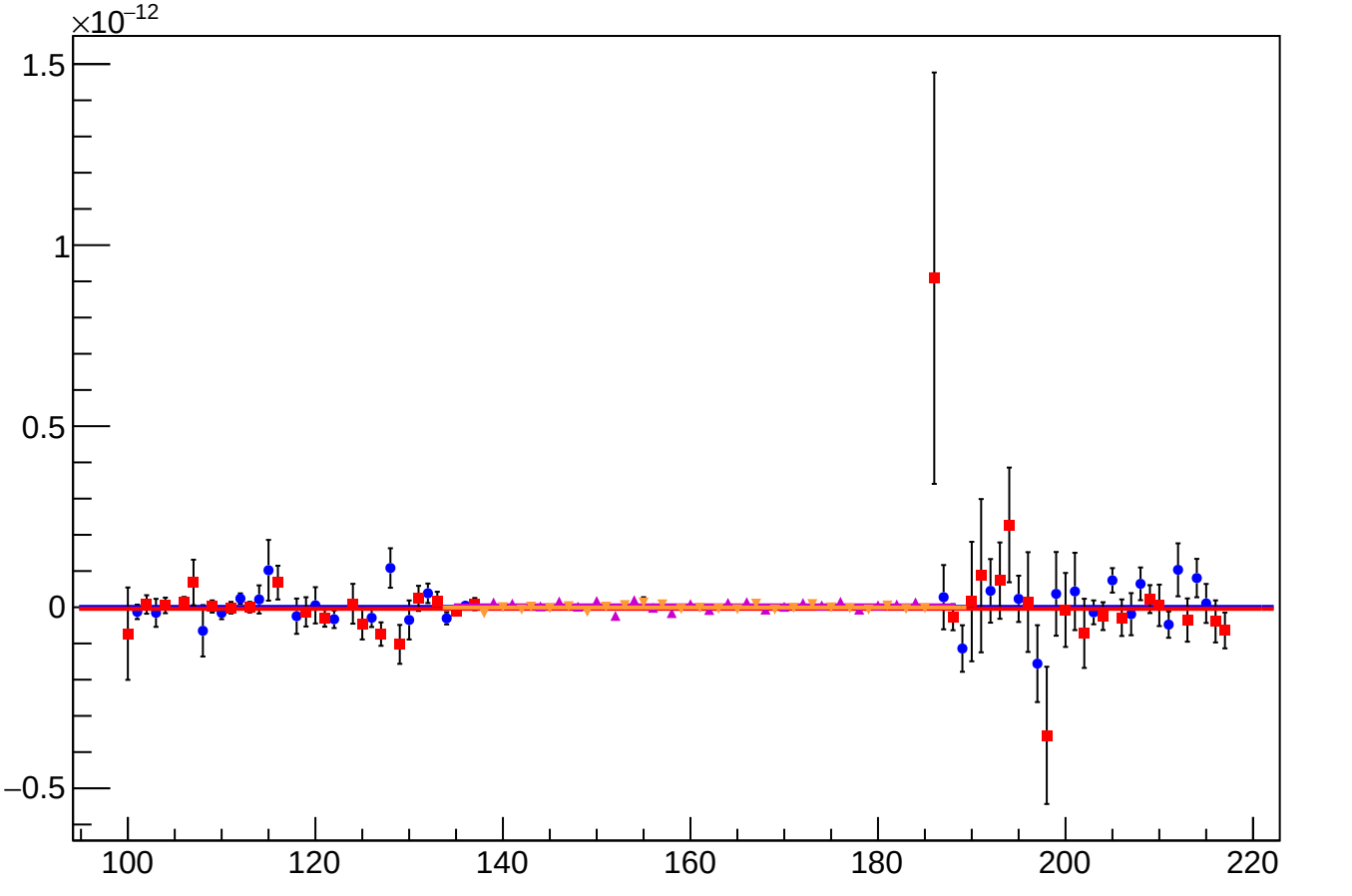
Right Out: 22.058+/-0.004 χ^2/NDF: 4139242.9/35

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.167+/-0.002 χ^2/NDF: 8002980.7/55

All: 18.109+/-0.002 χ^2/NDF: 17499826.0/114

- sign 18.051+/-0.002 χ^2/NDF: 9495541.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/30

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

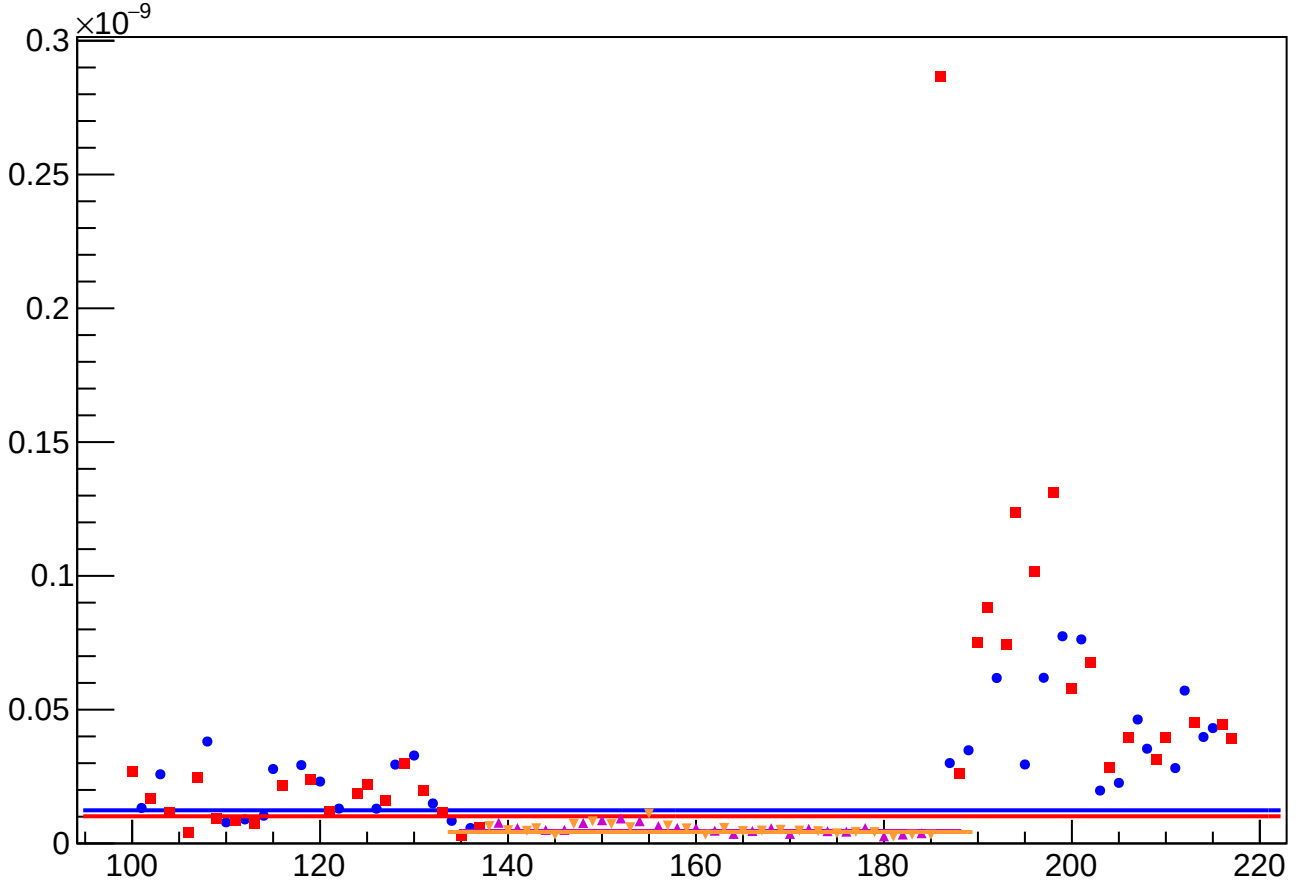
Right Out: -0.000+/-0.000 χ^2/NDF: 32.2/35

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

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/55

All: 0.000+/-0.000 χ^2/NDF: 141.0/114

- sign 0.000+/-0.000 χ^2/NDF: 74.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 9944483.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14140733.3/35

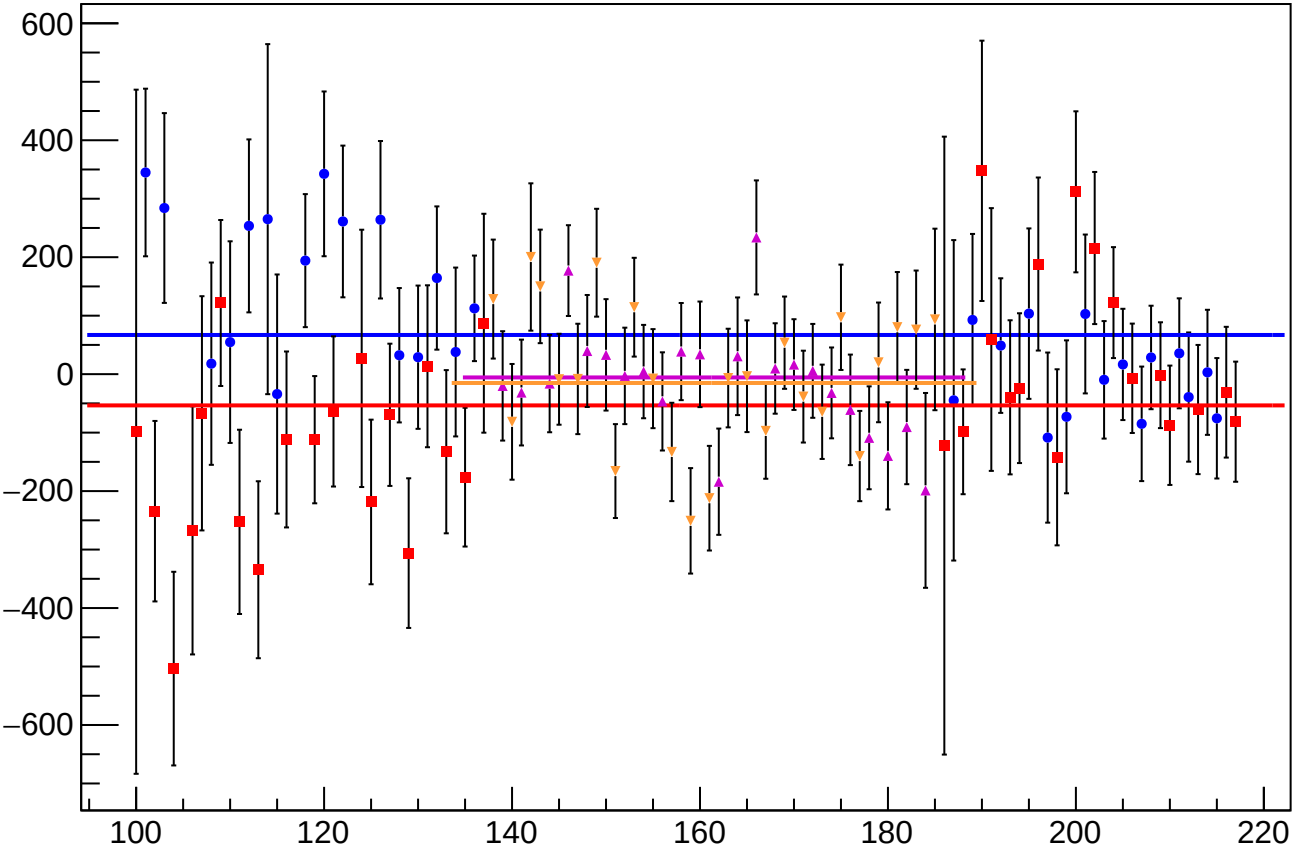
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17948995.1/55

All: 0.000+/-0.000 χ^2/NDF: 37630438.0/114

- sign 0.000+/-0.000 χ^2/NDF: 19606263.2/58

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 66.996+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.445+/-22.327 χ^2/NDF: 46.7/35

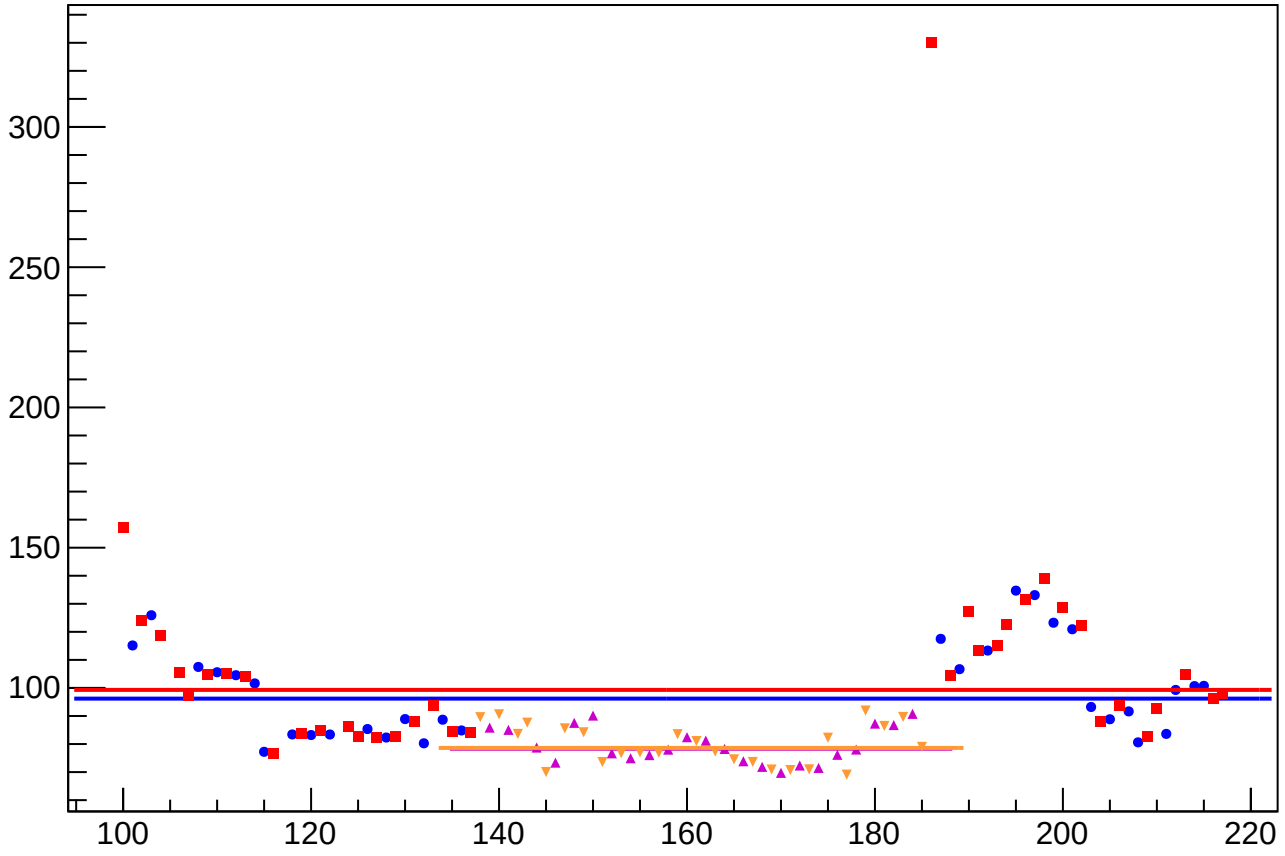
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 17.250+/-13.978 χ^2/NDF: 78.1/55

All: -3.530+/-9.958 χ^2/NDF: 155.1/114

- sign -24.946+/-14.191 χ^2/NDF: 72.5/58

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.193+/-0.016 χ^2/NDF: 934151.9/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

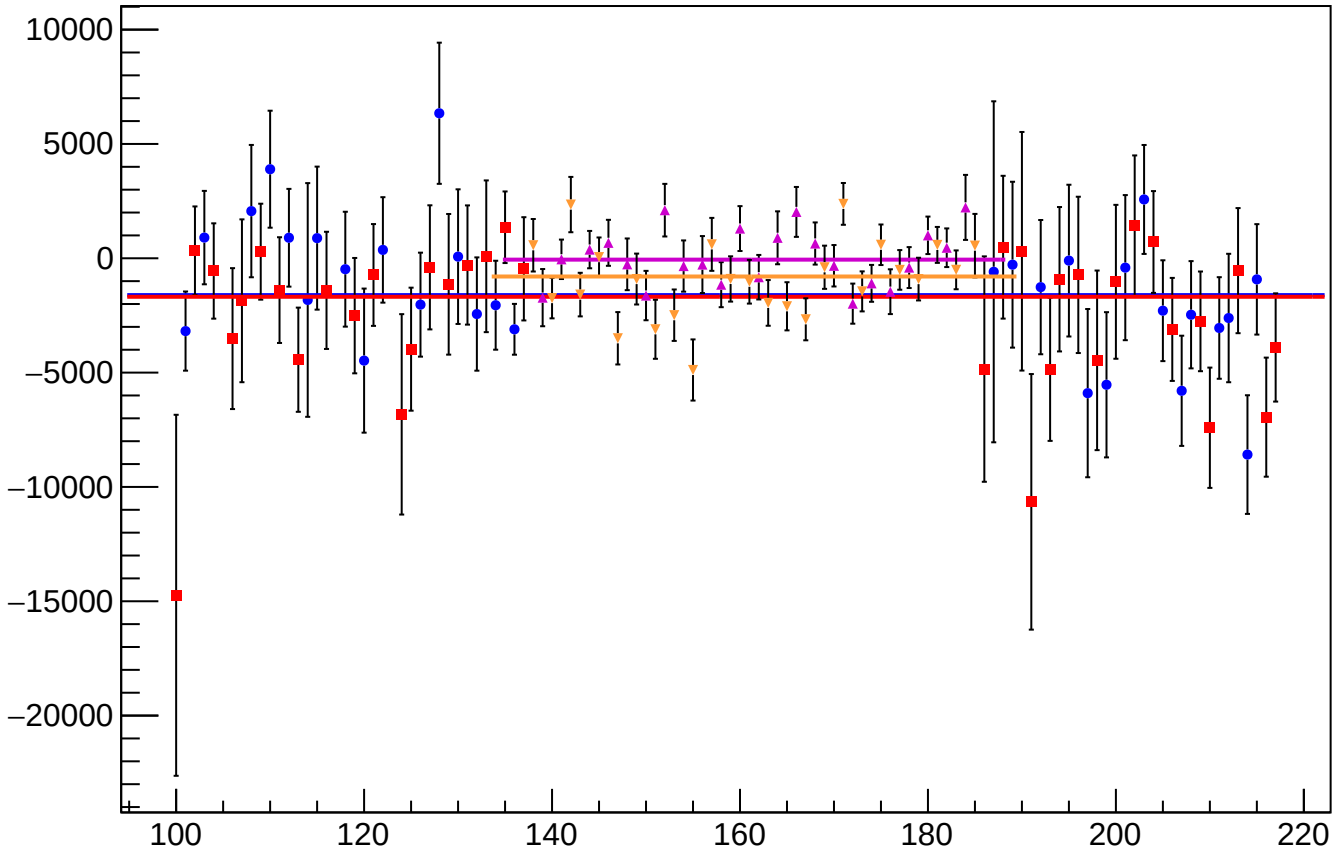
Right Out: 99.305+/-0.016 χ^2/NDF: 1413561.0/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.544+/-0.010 χ^2/NDF: 1996312.3/55

All: 86.166+/-0.007 χ^2/NDF: 4678707.5/114

- sign 86.806+/-0.010 χ^2/NDF: 2674357.1/58



Right In: -1611.512+/-435.944 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

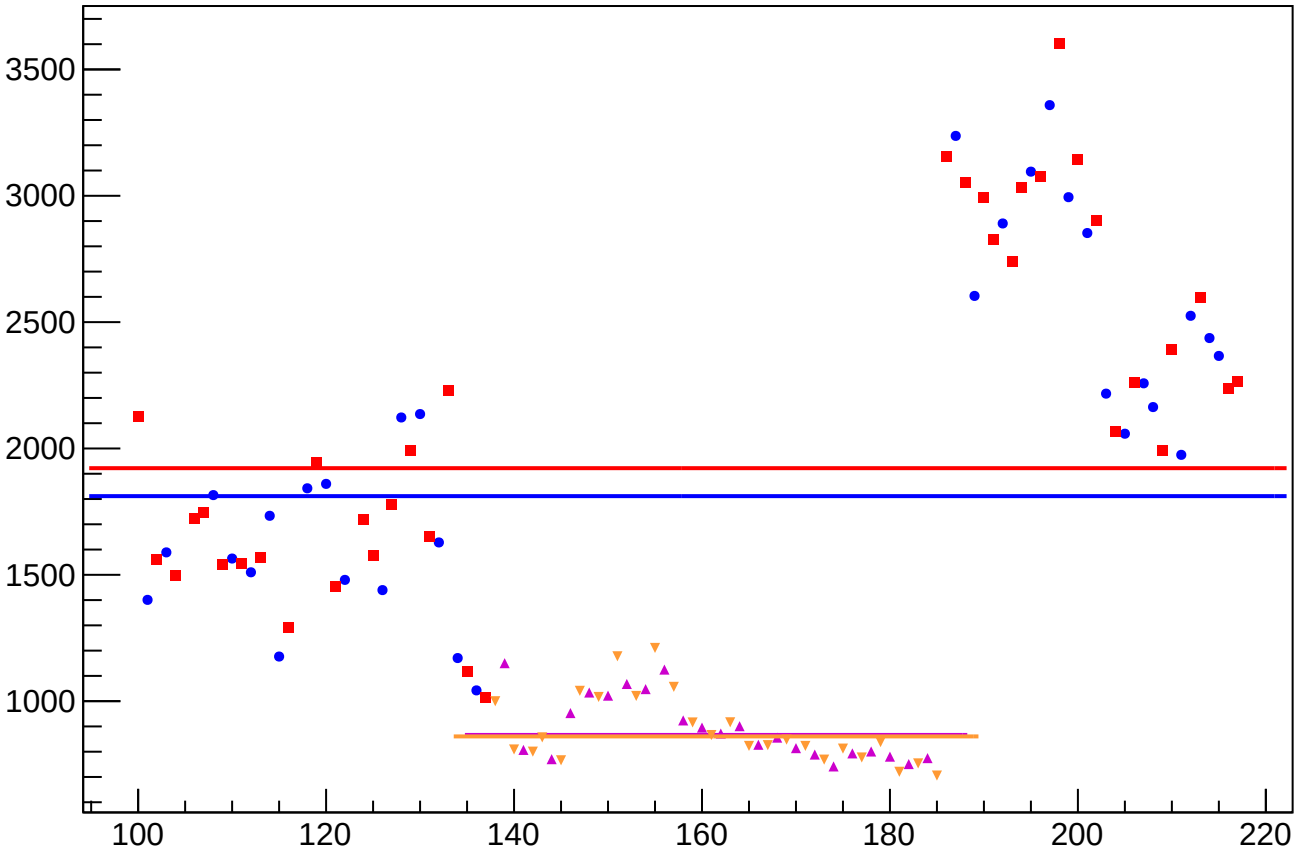
Right Out: -1683.090+/-444.454 χ^2/NDF: 32.1/35

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -936.153+/-180.189 χ^2/NDF: 101.3/55

All: -648.567+/-129.328 χ^2/NDF: 180.2/114

- sign -343.019+/-185.731 χ^2/NDF: 73.6/58



Right In: 1811.408+/-0.308 χ^2/NDF: 3746909.5/30

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1922.056+/-0.314 χ^2/NDF: 3763238.0/35

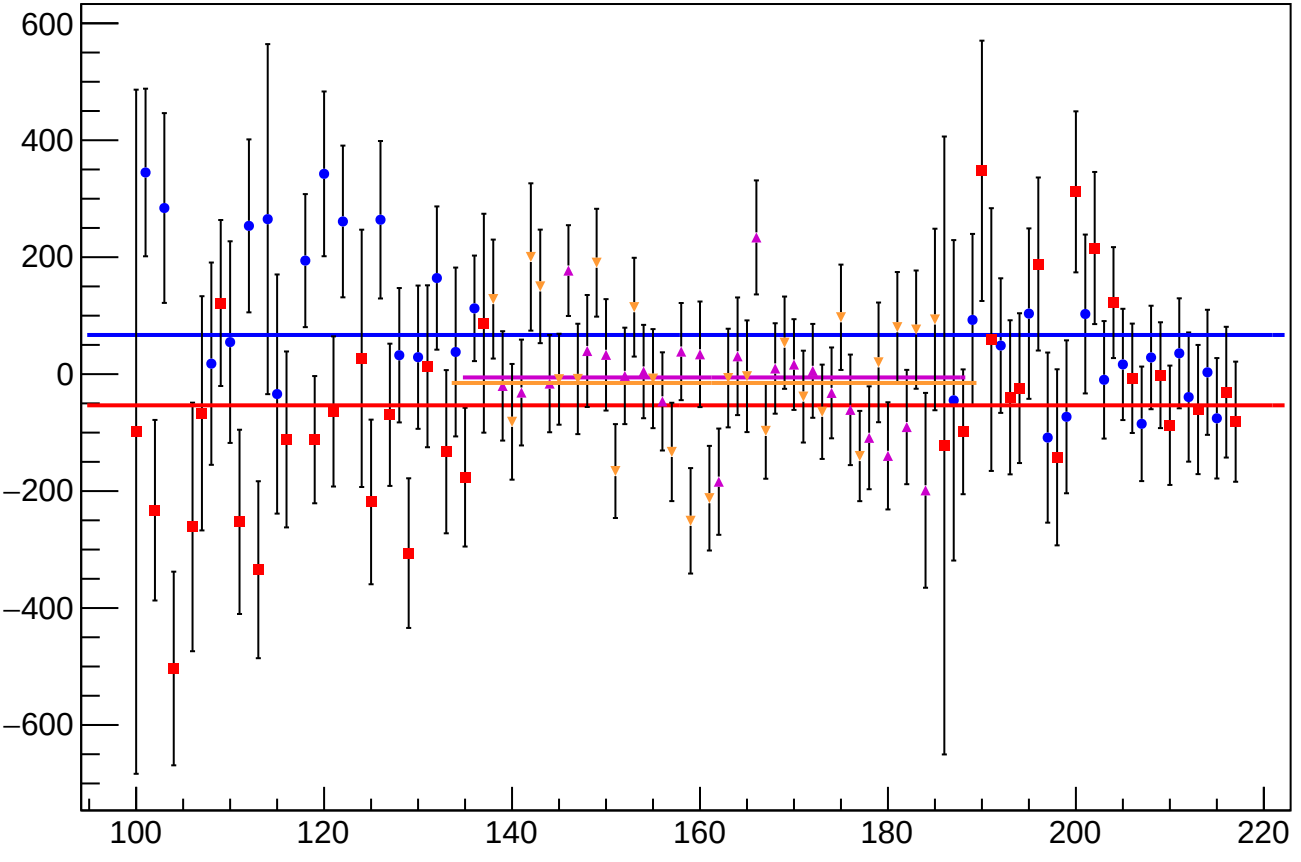
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1022.949+/-0.127 χ^2/NDF: 12336388.5/55

All: 1036.408+/-0.091 χ^2/NDF: 26049337.5/1

- sign 1050.707+/-0.131 χ^2/NDF: 13689936.8/58

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 66.990+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.334+/-22.327 χ^2/NDF: 46.7/35

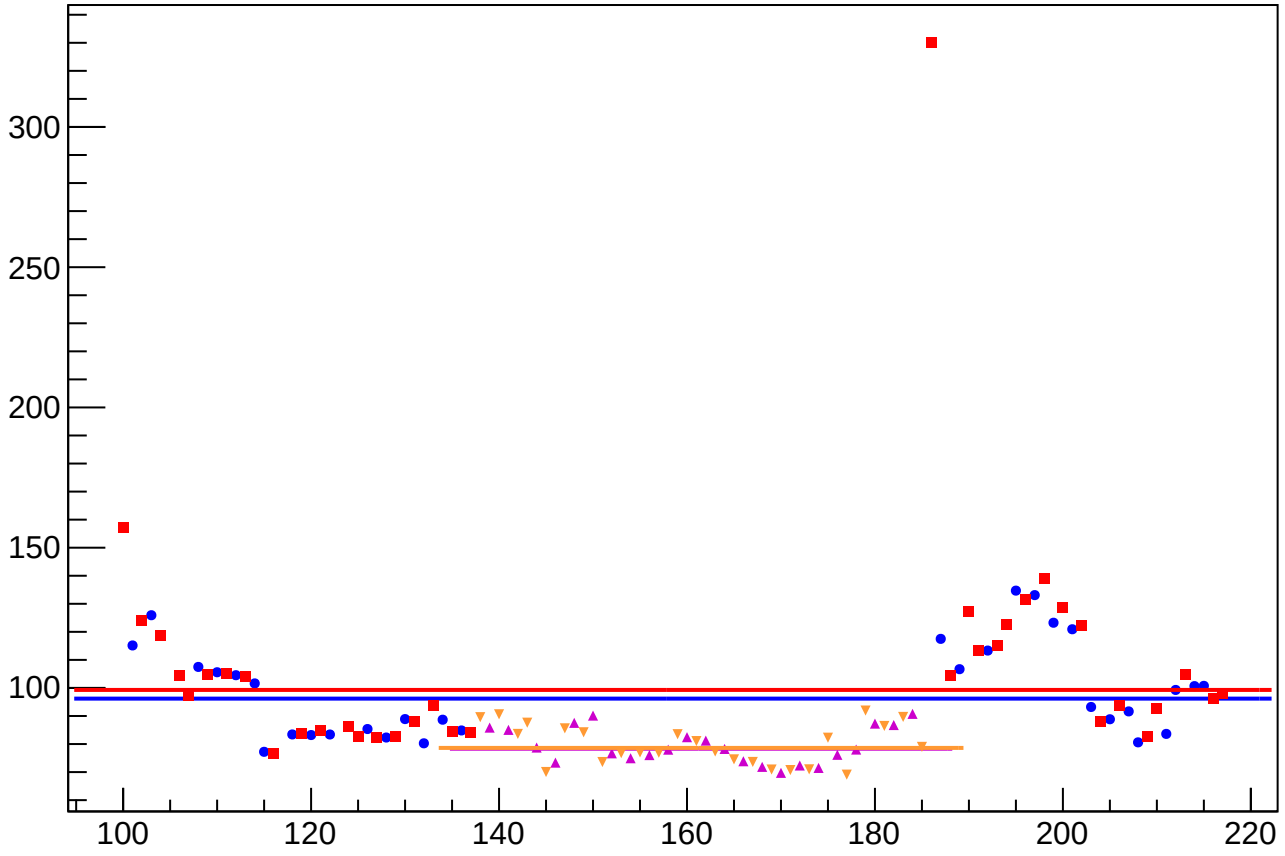
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 17.249+/-13.978 χ^2/NDF: 78.1/55

All: -3.506+/-9.958 χ^2/NDF: 154.9/114

- sign -24.899+/-14.191 χ^2/NDF: 72.4/58

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.193+/-0.016 χ^2/NDF: 934153.5/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

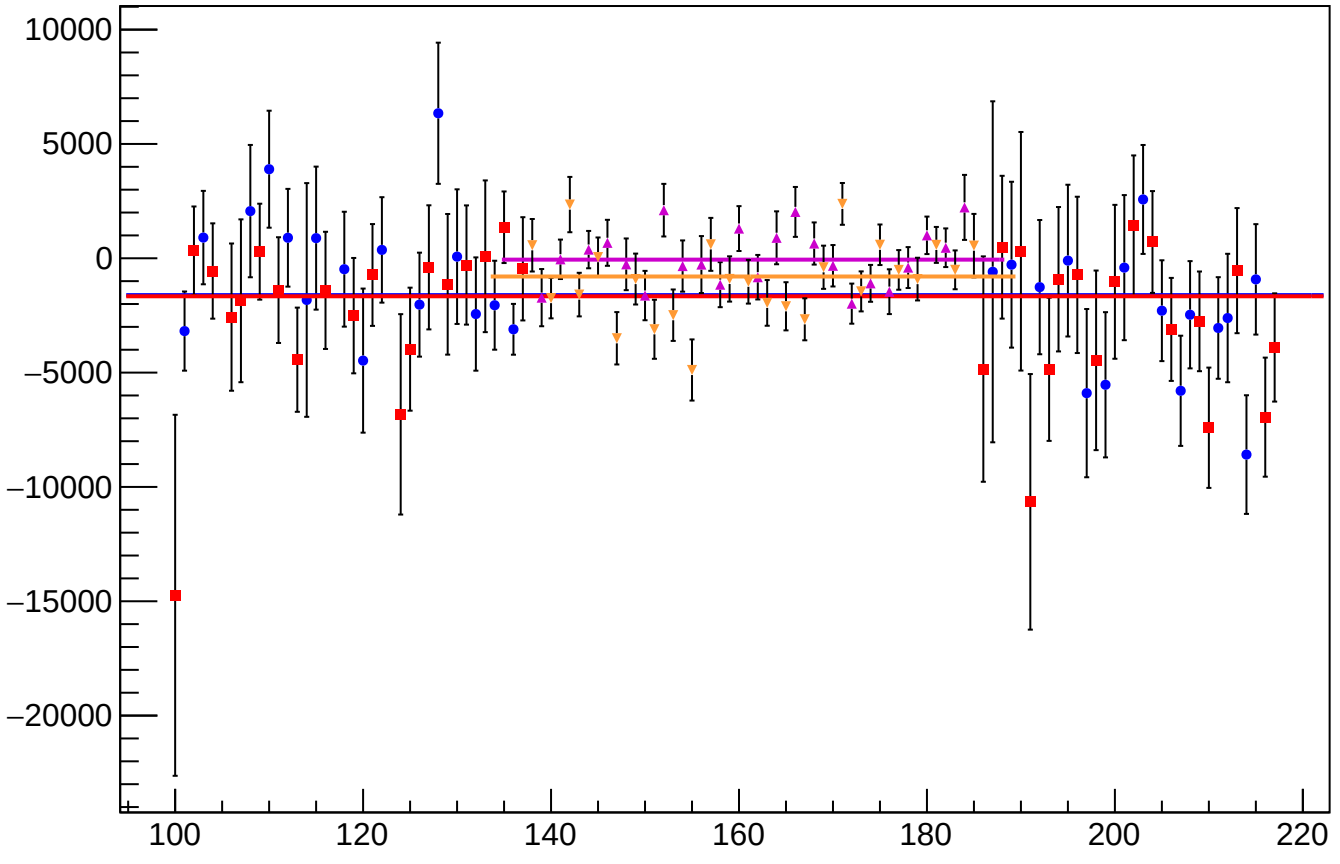
Right Out: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.544+/-0.010 χ^2/NDF: 1996314.2/55

All: 86.163+/-0.007 χ^2/NDF: 4676763.7/114

- sign 86.801+/-0.010 χ^2/NDF: 2672485.2/58



Right In: -1611.500+/-435.945 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

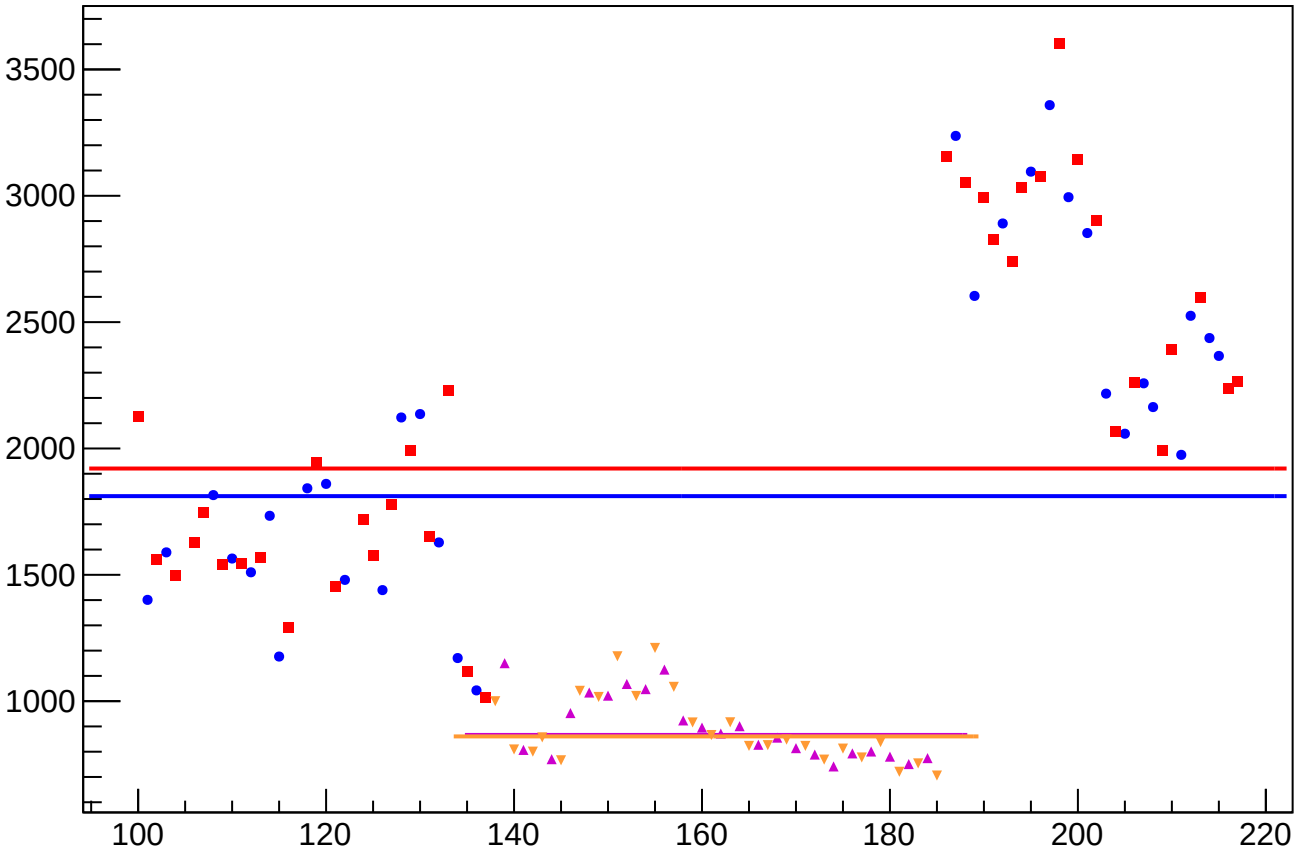
Right Out: -1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -936.150+/-180.189 χ^2/NDF: 101.3/55

All: -646.643+/-129.338 χ^2/NDF: 179.6/114

- sign -338.957+/-185.760 χ^2/NDF: 73.0/58



Right In: 1811.412+/-0.308 χ^2/NDF: 3746895.2/30

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

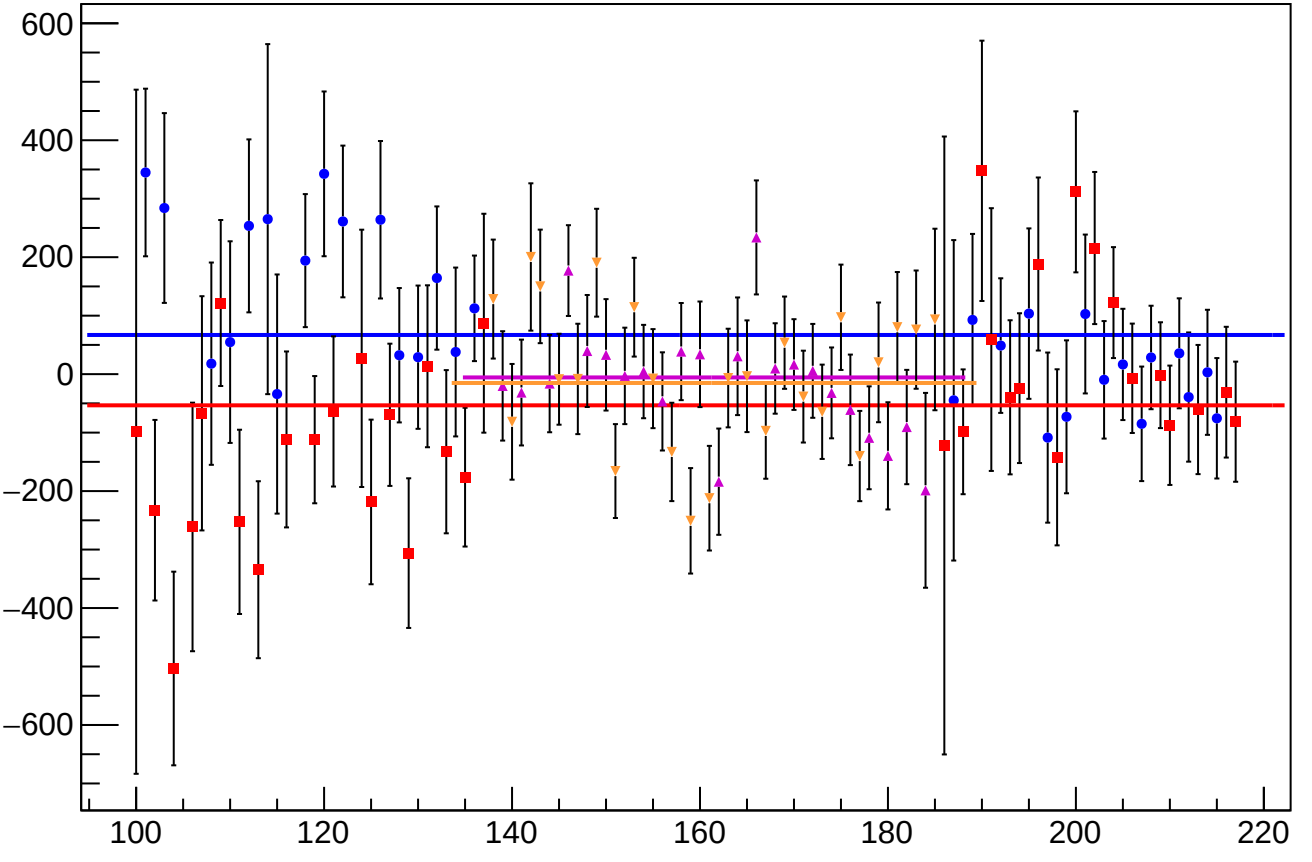
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1022.949+/-0.127 χ^2/NDF: 12336407.8/55

All: 1036.155+/-0.091 χ^2/NDF: 26018057.0/1

- sign 1050.191+/-0.131 χ^2/NDF: 13659488.2/58

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 66.990+/-22.268 χ^2/NDF: 28.2/30

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -53.334+/-22.327 χ^2/NDF: 46.7/35

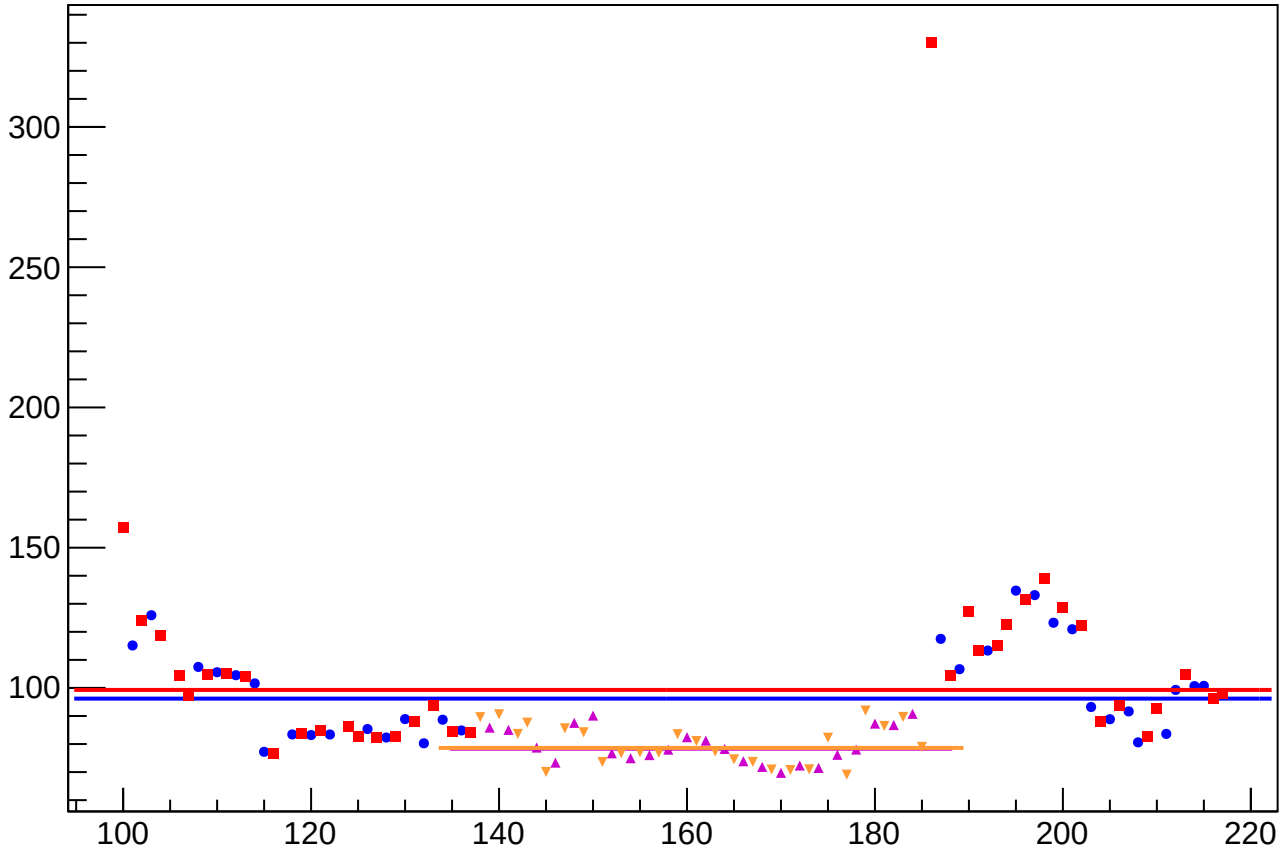
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 17.249+/-13.978 χ^2/NDF: 78.1/55

All: -3.506+/-9.958 χ^2/NDF: 154.9/114

- sign -24.899+/-14.191 χ^2/NDF: 72.4/58

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.193+/-0.016 χ^2/NDF: 934153.5/30

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

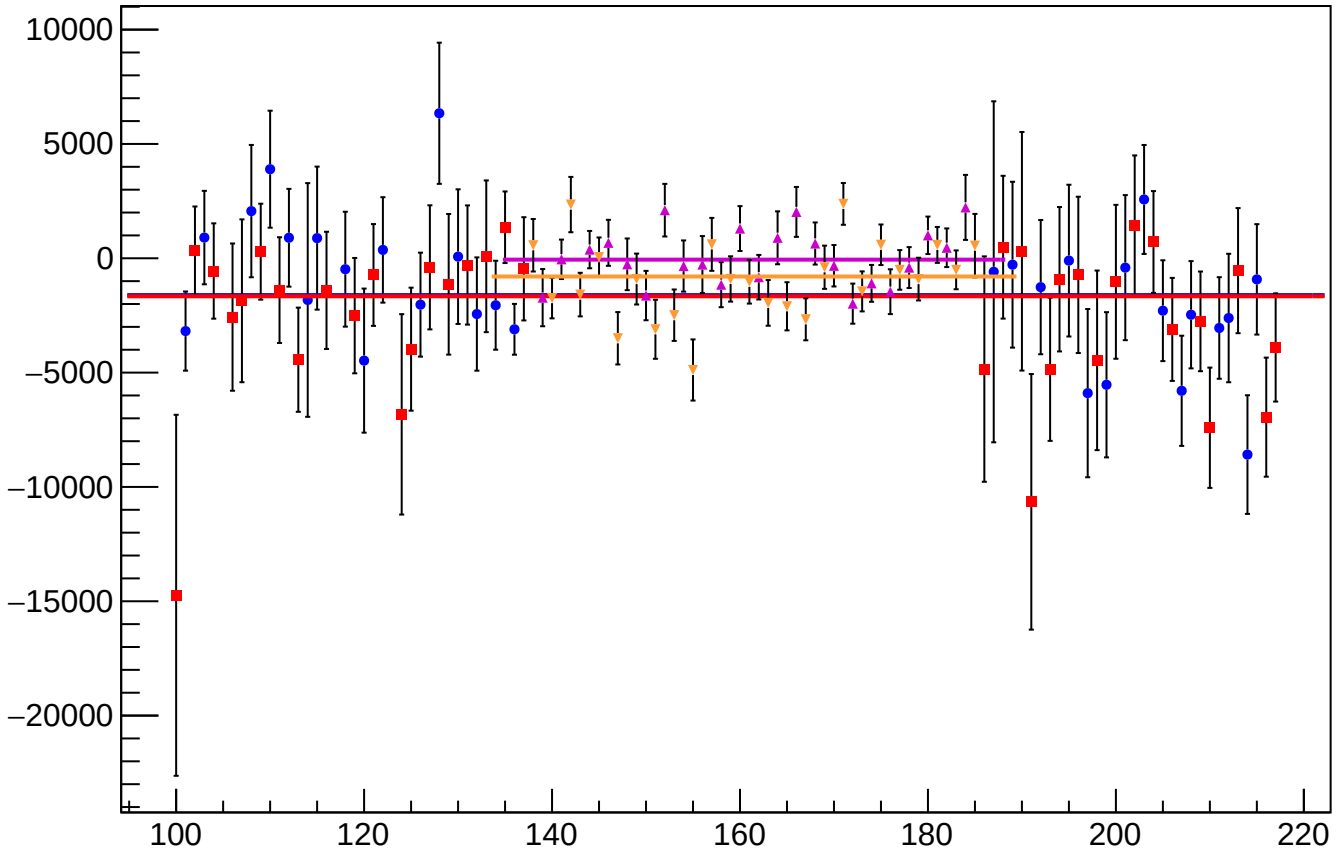
Right Out: 99.292+/-0.016 χ^2/NDF: 1413096.3/35

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.544+/-0.010 χ^2/NDF: 1996314.2/55

All: 86.163+/-0.007 χ^2/NDF: 4676763.7/114

- sign 86.801+/-0.010 χ^2/NDF: 2672485.2/58



Right In: -1611.500+/-435.945 χ^2/NDF: 38.9/30

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

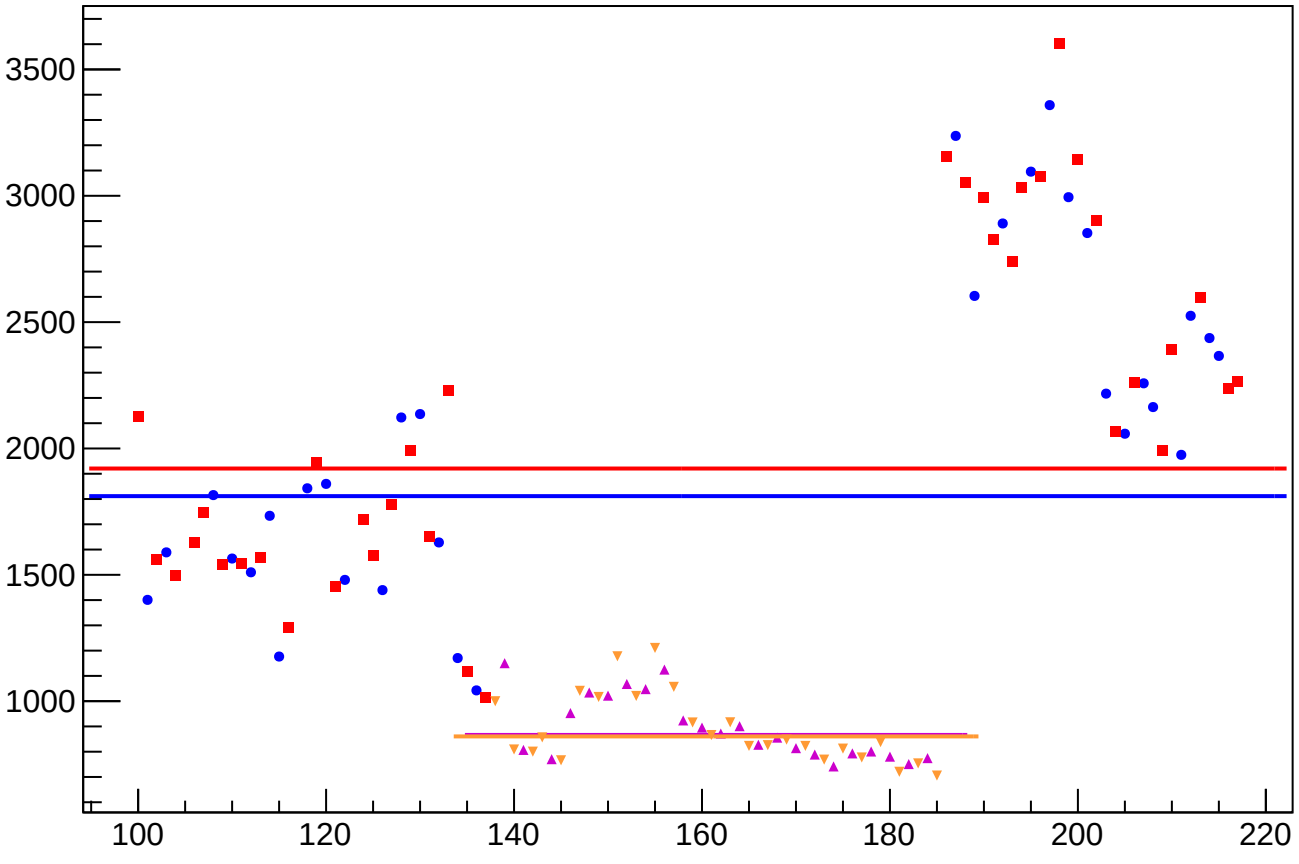
Right Out: -1662.203+/-444.854 χ^2/NDF: 31.9/35

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -936.150+/-180.189 χ^2/NDF: 101.3/55

All: -646.643+/-129.338 χ^2/NDF: 179.6/114

- sign -338.957+/-185.760 χ^2/NDF: 73.0/58



Right In: 1811.412+/-0.308 χ^2/NDF: 3746895.2/30

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1920.661+/-0.315 χ^2/NDF: 3771153.0/35

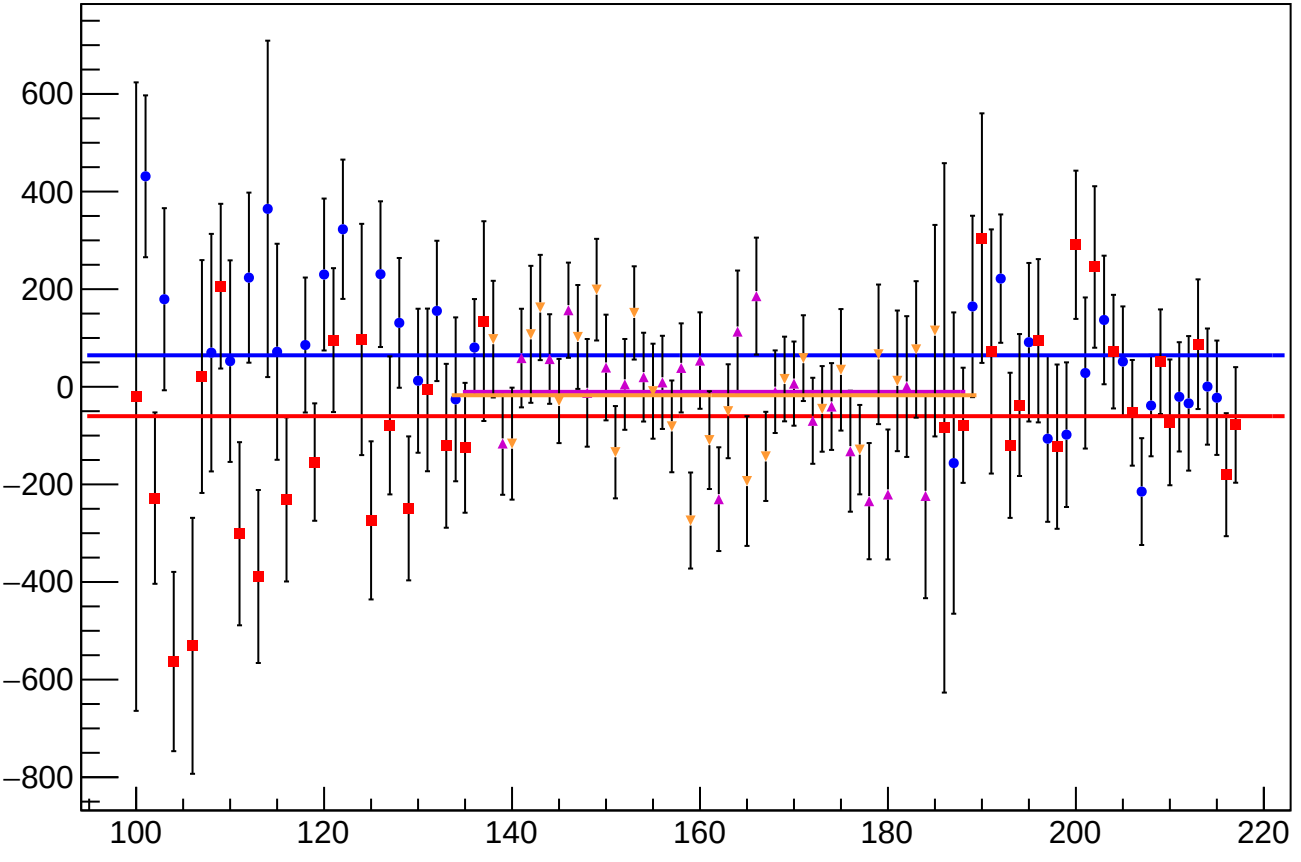
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1022.949+/-0.127 χ^2/NDF: 12336407.8/55

All: 1036.155+/-0.091 χ^2/NDF: 26018057.0/1

- sign 1050.191+/-0.131 χ^2/NDF: 13659488.2/58

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 64.498+/-25.929 χ^2/NDF: 27.9/30

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -60.211+/-25.877 χ^2/NDF: 44.1/35

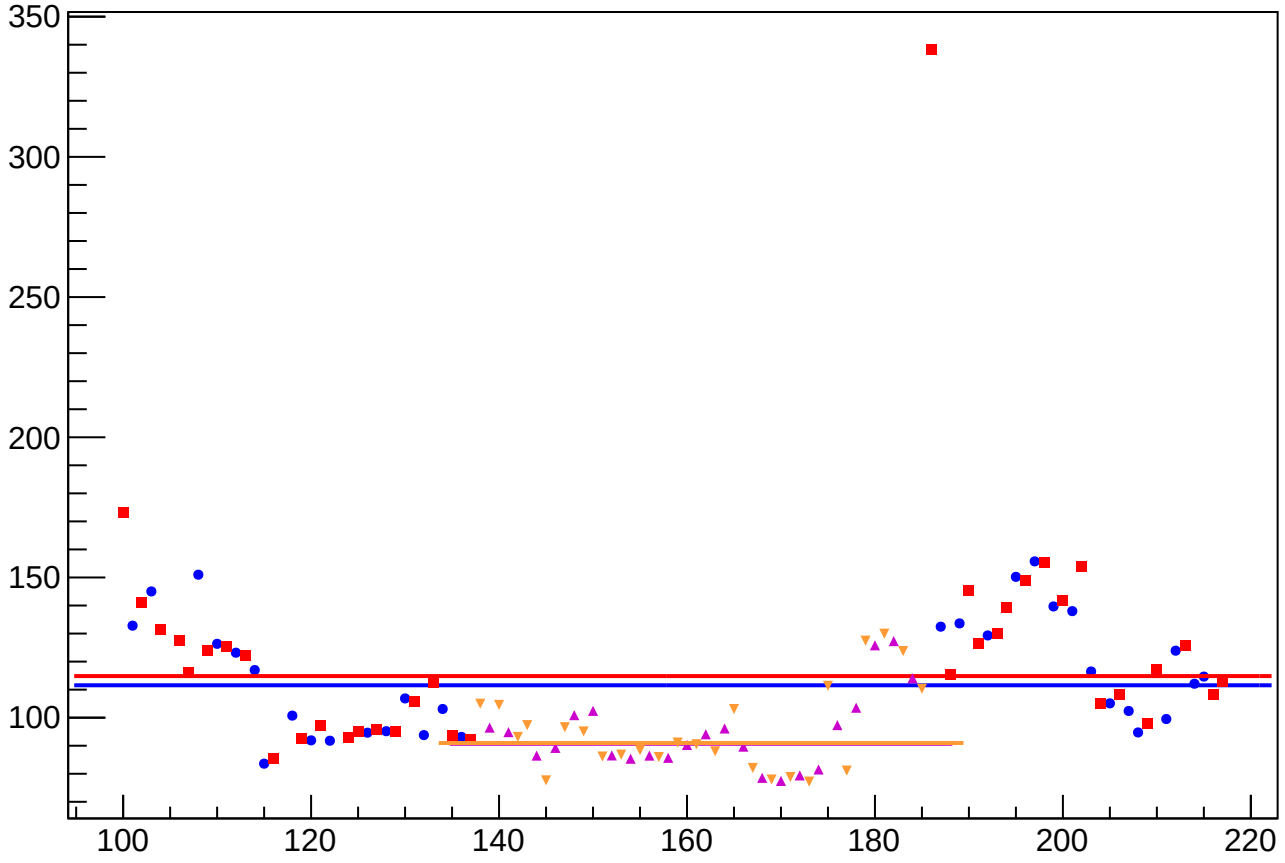
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 15.044+/-16.313 χ^2/NDF: 65.1/55

All: -7.540+/-11.614 χ^2/NDF: 137.9/114

- sign -30.753+/-16.538 χ^2/NDF: 68.9/58

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.554+/-0.018 χ^2/NDF: 1014820.0/30

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.836+/-0.018 χ^2/NDF: 1369597.5/35

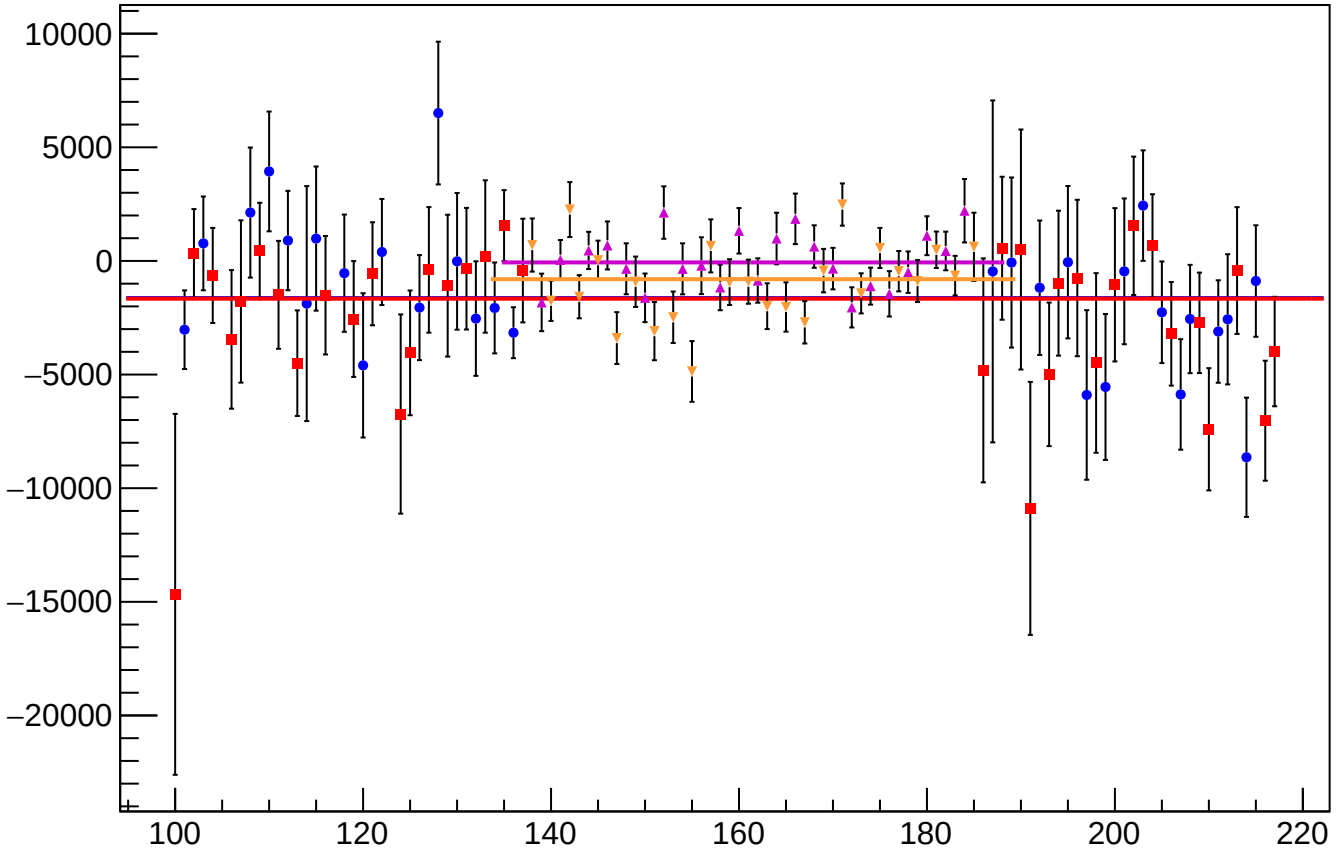
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 99.116+/-0.012 χ^2/NDF: 2561153.0/55

All: 99.825+/-0.008 χ^2/NDF: 5514464.5/114

- sign 100.553+/-0.012 χ^2/NDF: 2945656.1/58

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1636.115+/-442.004 χ^2/NDF: 38.3/30

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1659.724+/-449.356 χ^2/NDF: 32.9/35

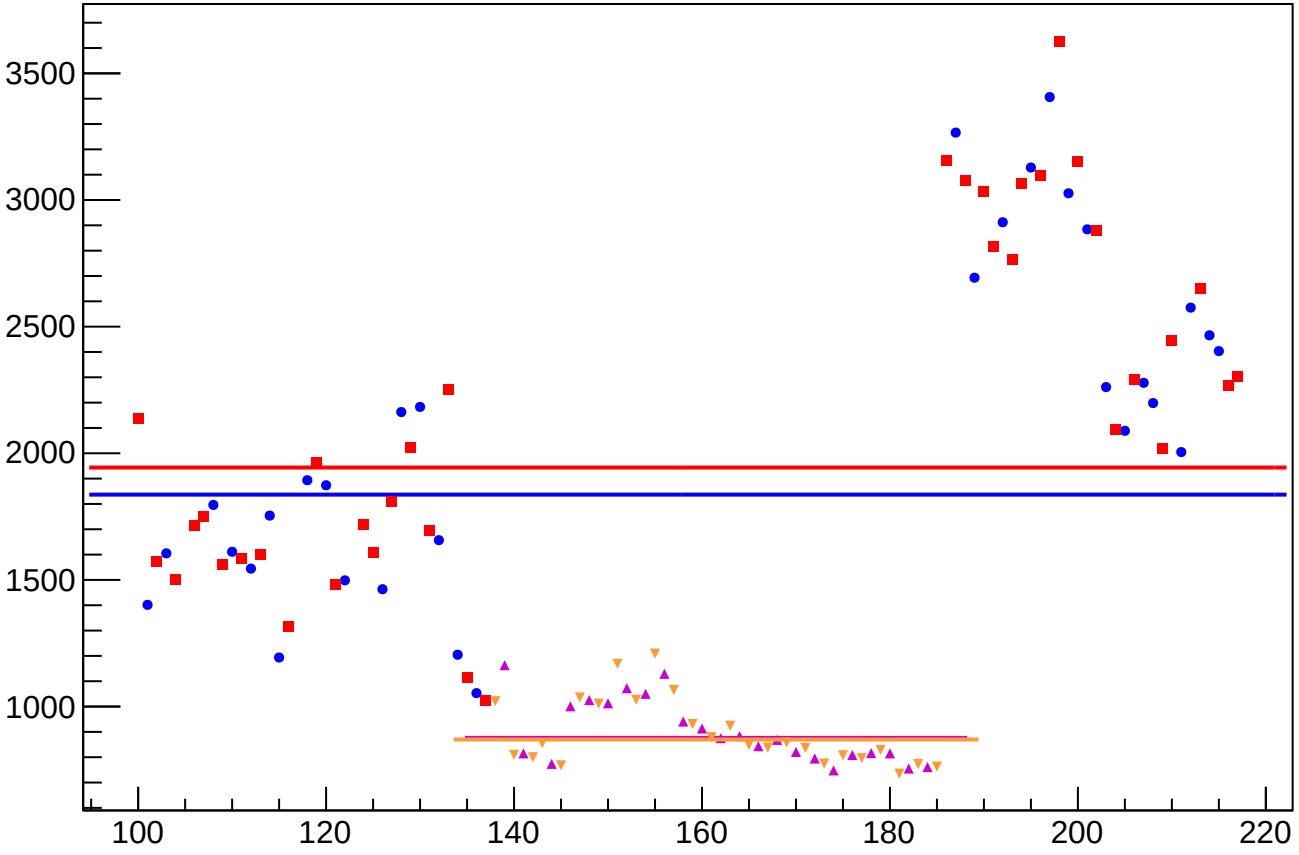
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -944.022+/-182.102 χ^2/NDF: 99.6/55

All: -653.023+/-130.723 χ^2/NDF: 178.8/114

- sign -343.632+/-187.769 χ^2/NDF: 74.0/58

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1836.753+/-0.313 χ^2/NDF: 3759994.7/30

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

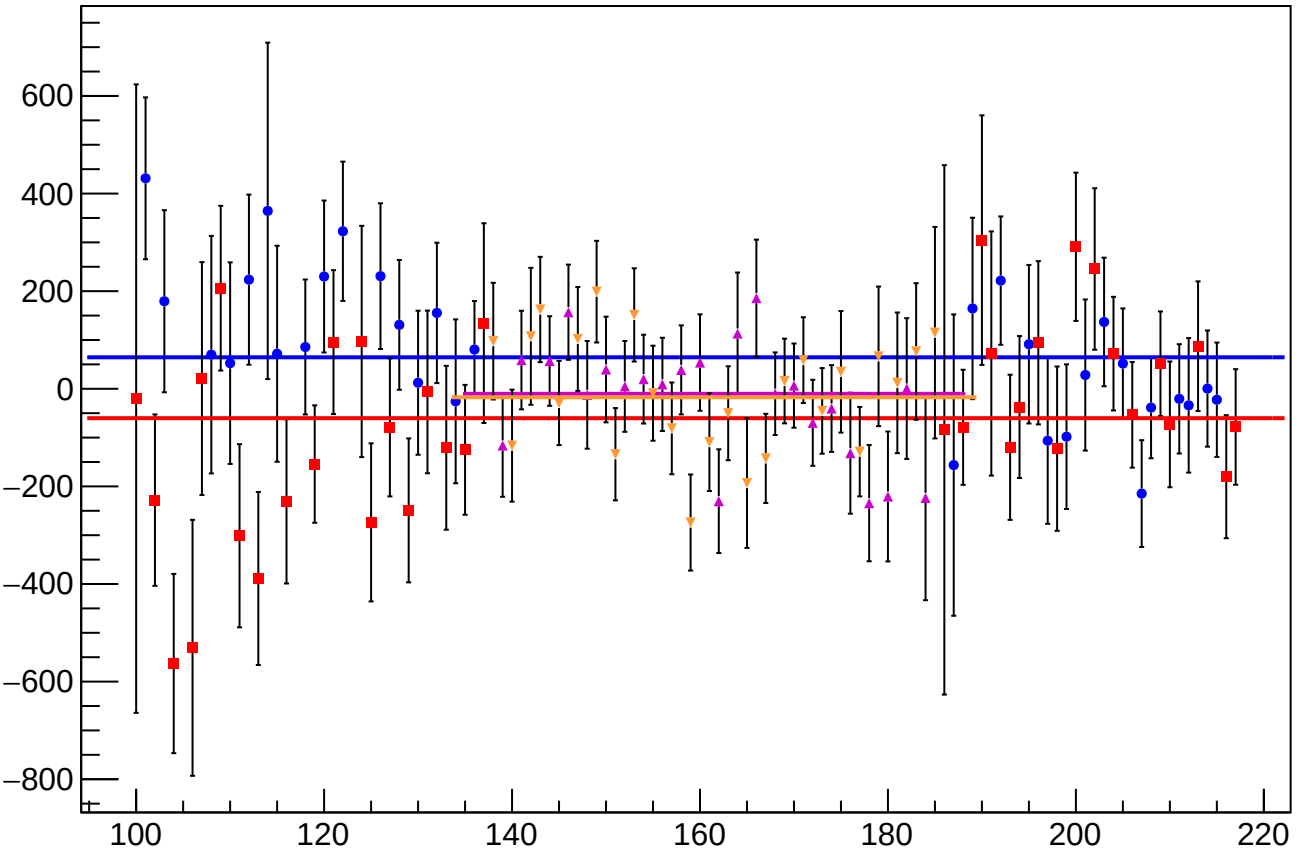
Right Out: 1943.748+/-0.318 χ^2/NDF: 3755253.1/35

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1034.101+/-0.129 χ^2/NDF: 12350865.8/55

All: 1047.944+/-0.092 χ^2/NDF: 26043060.5/1

- sign 1062.663+/-0.133 χ^2/NDF: 13668347.5/58



Right In: 64.502+/-25.928 χ^2/NDF: 27.9/30

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -60.209+/-25.877 χ^2/NDF: 44.1/35

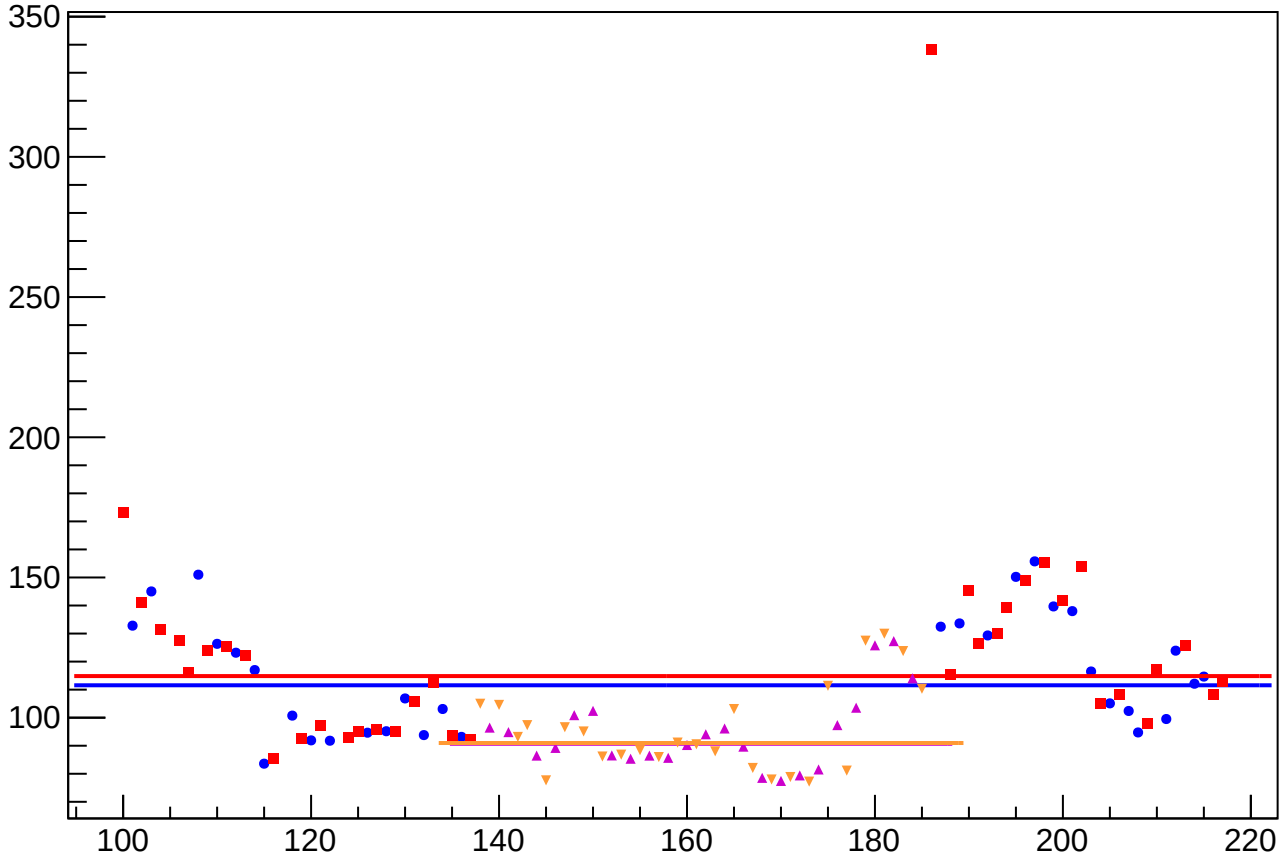
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 15.045+/-16.313 χ^2/NDF: 65.1/55

All: -7.539+/-11.614 χ^2/NDF: 137.9/114

- sign -30.752+/-16.538 χ^2/NDF: 68.9/58

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.554+/-0.018 χ^2/NDF: 1014834.3/30

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

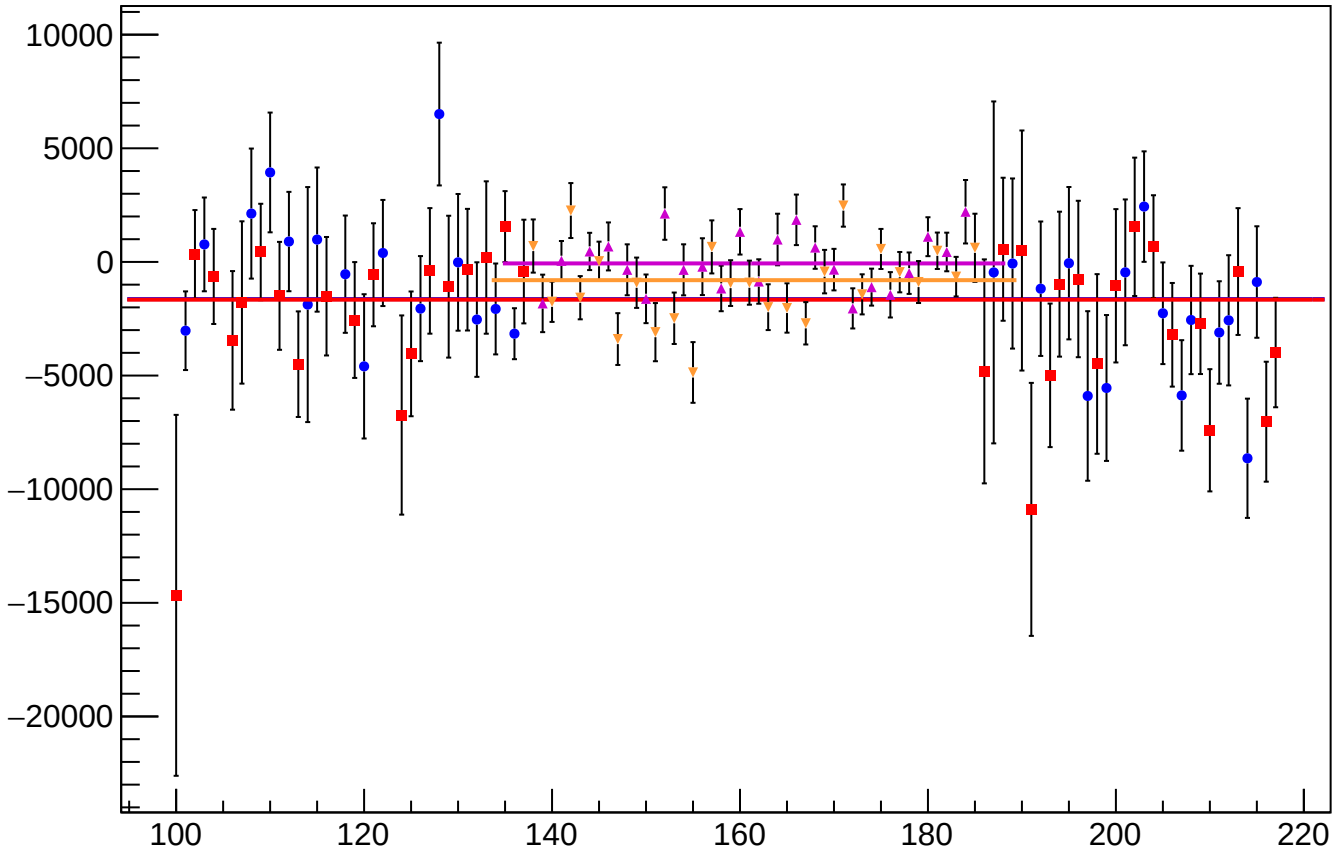
Right Out: 114.836+/-0.018 χ^2/NDF: 1369615.0/35

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 99.116+/-0.012 χ^2/NDF: 2561129.8/55

All: 99.824+/-0.008 χ^2/NDF: 5514423.8/114

- sign 100.553+/-0.012 χ^2/NDF: 2945639.0/58



Right In: -1636.111+/-442.003 χ^2/NDF: 38.3/30

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

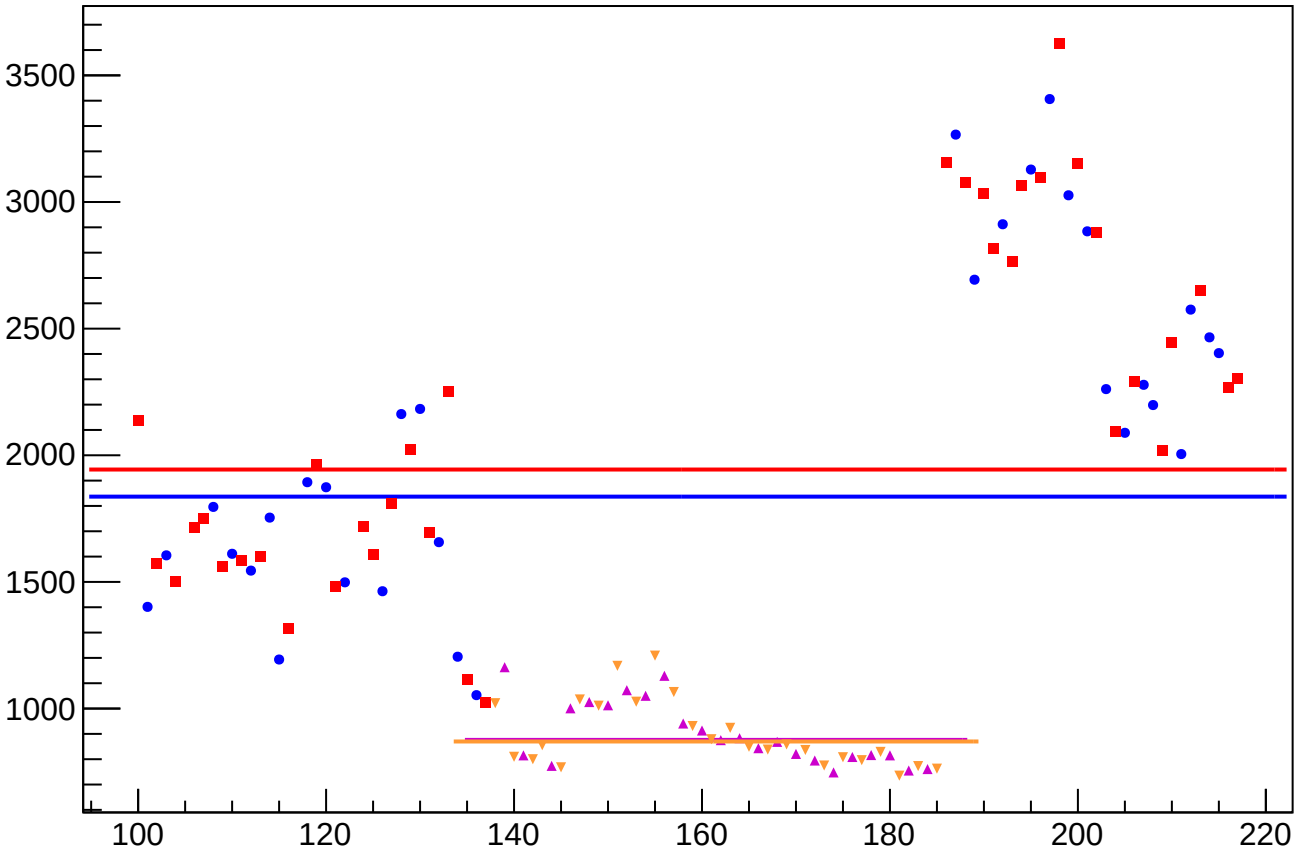
Right Out: -1659.720+/-449.355 χ^2/NDF: 32.9/35

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -944.020+/-182.102 χ^2/NDF: 99.6/55

All: -653.022+/-130.723 χ^2/NDF: 178.8/114

- sign -343.631+/-187.768 χ^2/NDF: 74.0/58



Right In: 1836.751+/-0.313 χ^2/NDF: 3760003.9/30

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1943.745+/-0.318 χ^2/NDF: 3755267.6/35

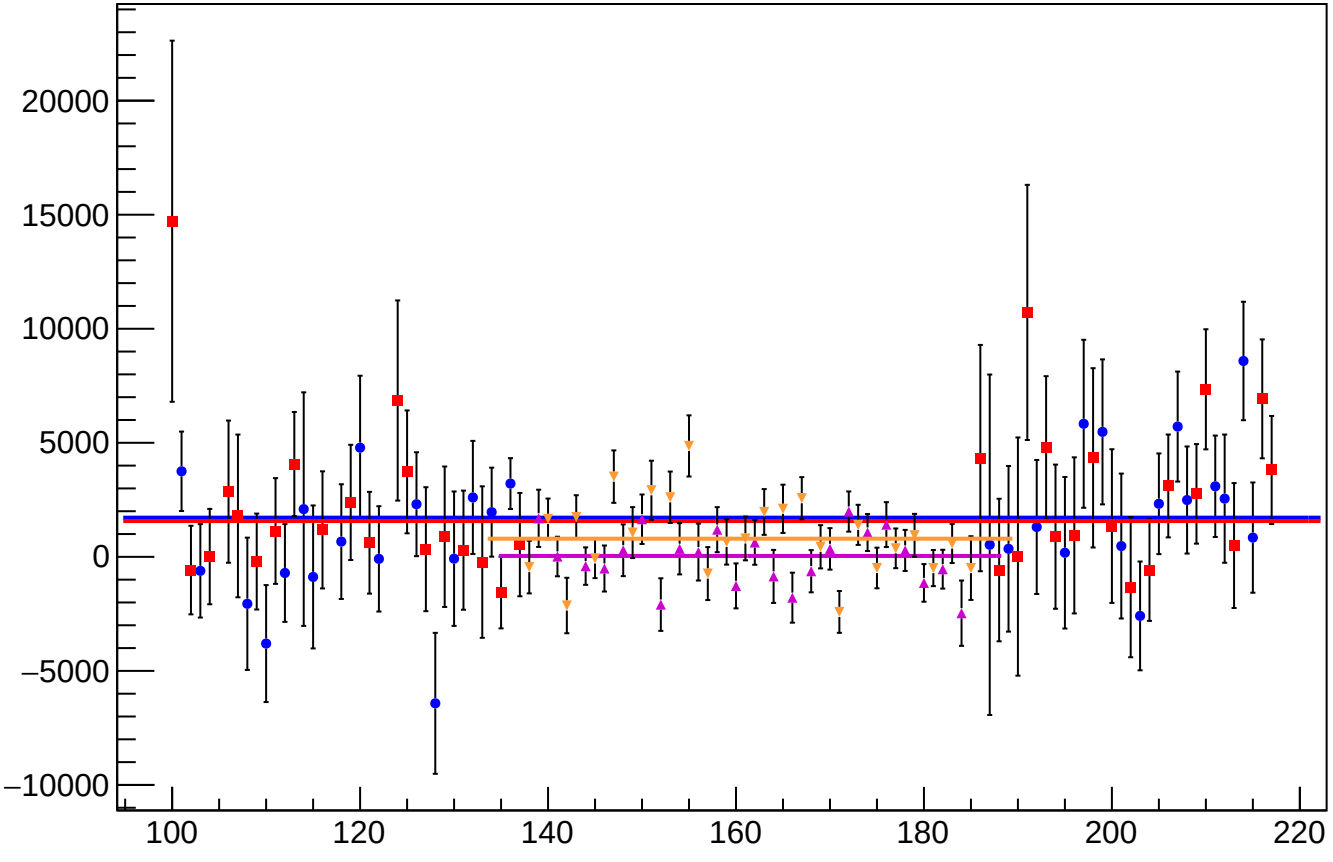
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1034.100+/-0.129 χ^2/NDF: 12350864.6/55

All: 1047.943+/-0.092 χ^2/NDF: 26043062.0/1

- sign 1062.662+/-0.133 χ^2/NDF: 13668350.5/58

asym_sam_24_68_dd_mean vs Slug



Right In: 1718.238+/-436.844 χ^2/NDF: 39.0/30

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1569.623+/-445.321 χ^2/NDF: 31.9/35

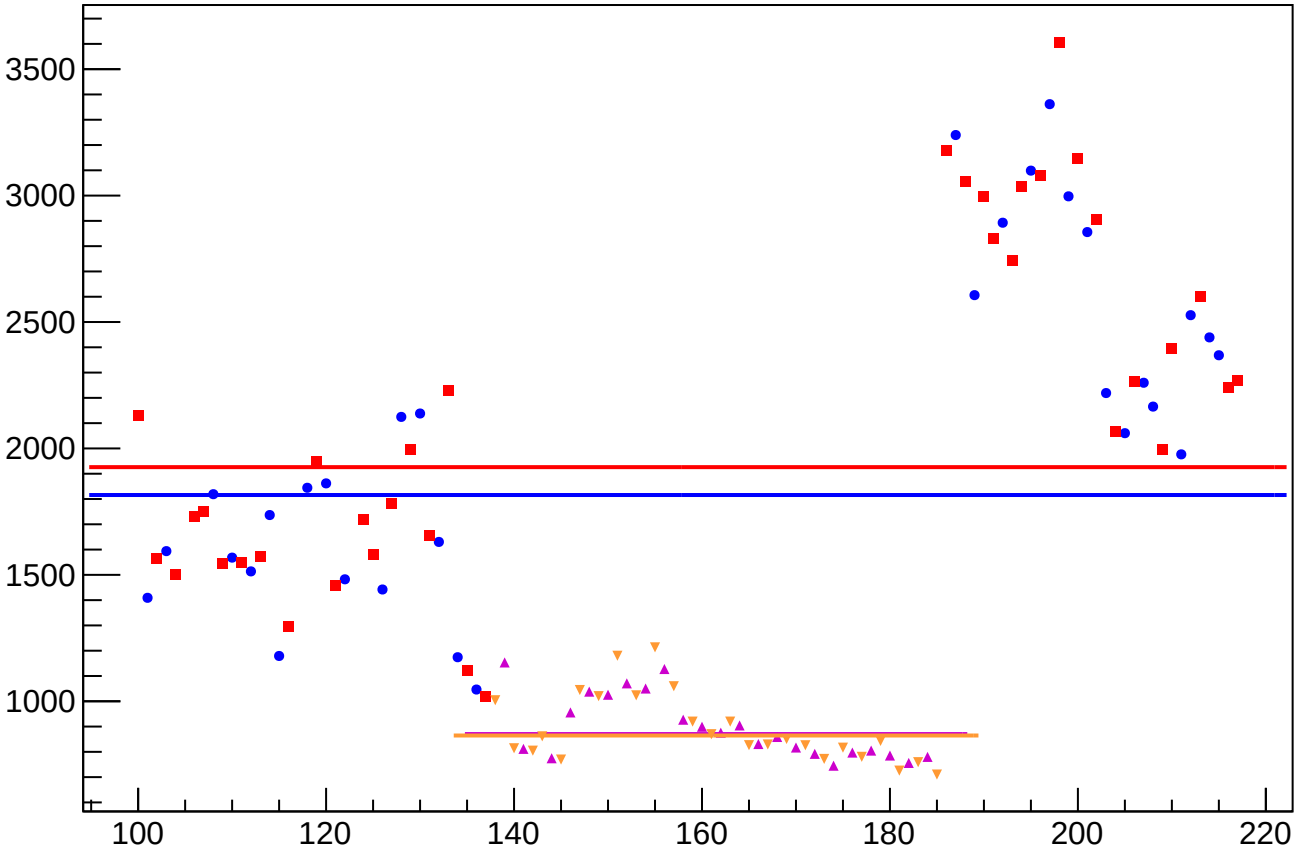
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 954.467+/-180.946 χ^2/NDF: 99.9/55

All: 640.971+/-129.860 χ^2/NDF: 177.4/114

- sign 308.012+/-186.478 χ^2/NDF: 71.3/58

asym_sam_24_68_dd_rms vs Slug



Right In: 1815.791+/-0.309 χ^2/NDF: 3723615.1/30

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

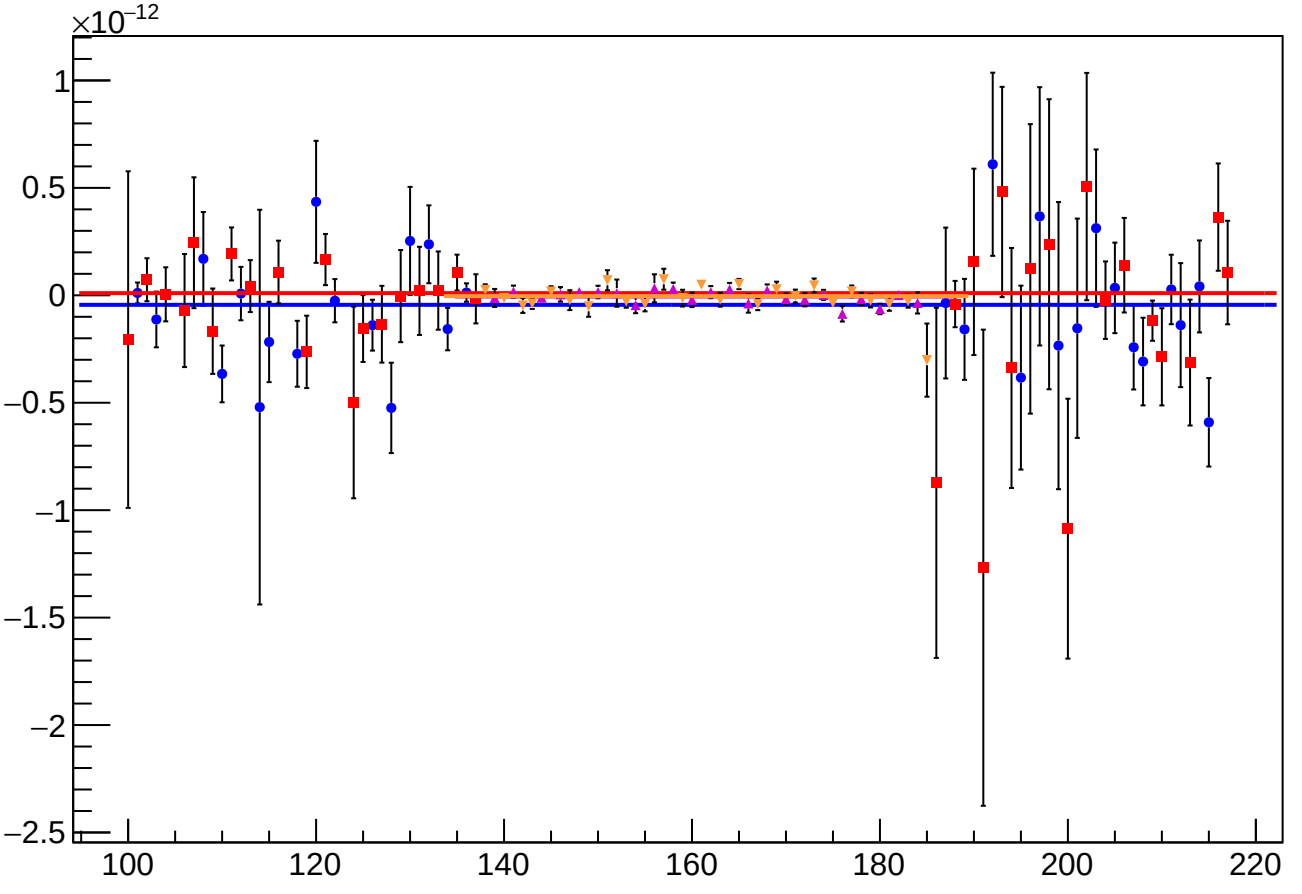
Right Out: 1926.033+/-0.315 χ^2/NDF: 3747645.0/35

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1027.827+/-0.128 χ^2/NDF: 12267337.5/55

All: 1041.229+/-0.092 χ^2/NDF: 25910898.8/1

- sign 1055.462+/-0.132 χ^2/NDF: 13620938.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

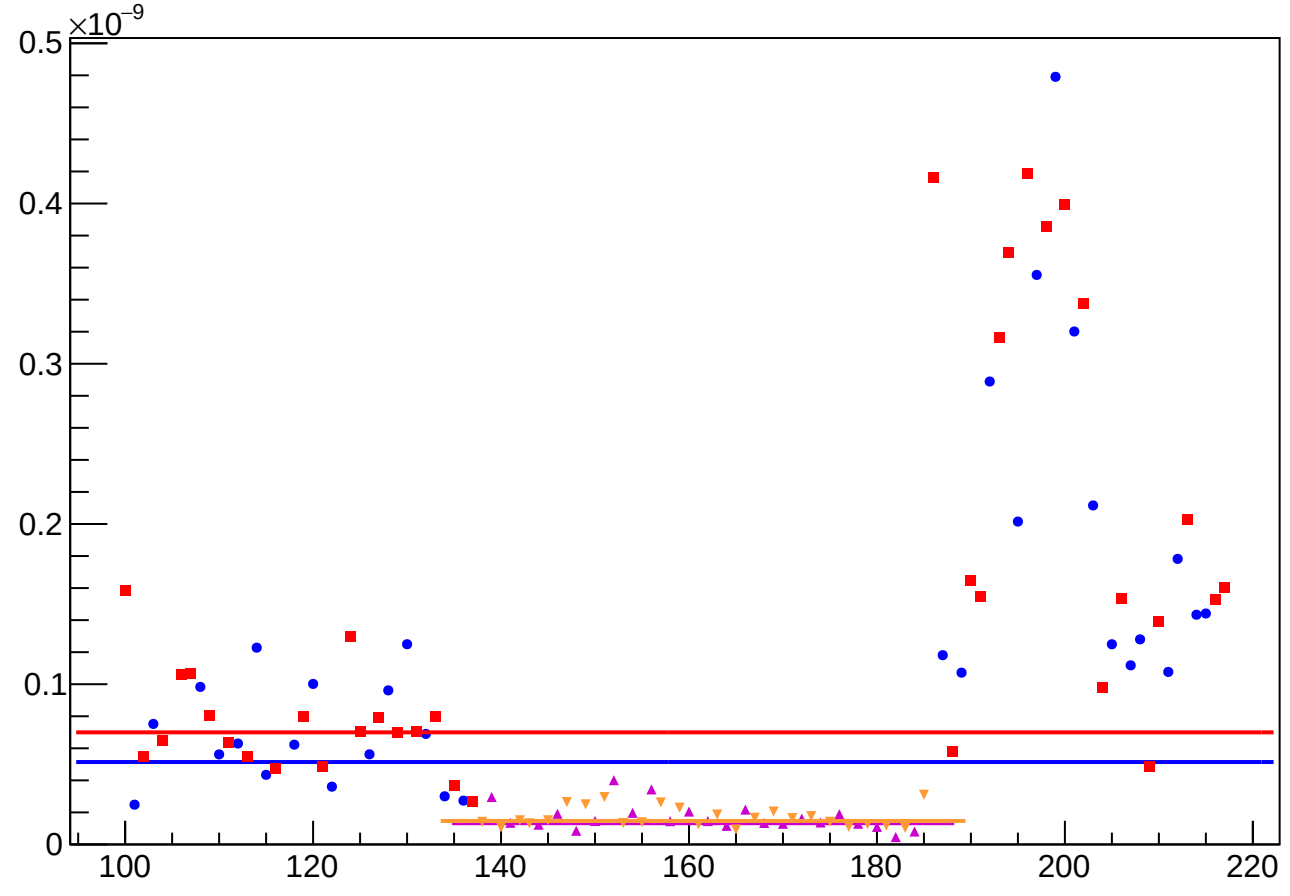
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/35

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.2/55

All: -0.000+/-0.000 χ^2/NDF: 134.4/114

- sign -0.000+/-0.000 χ^2/NDF: 50.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 7351062.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6148486.9/35

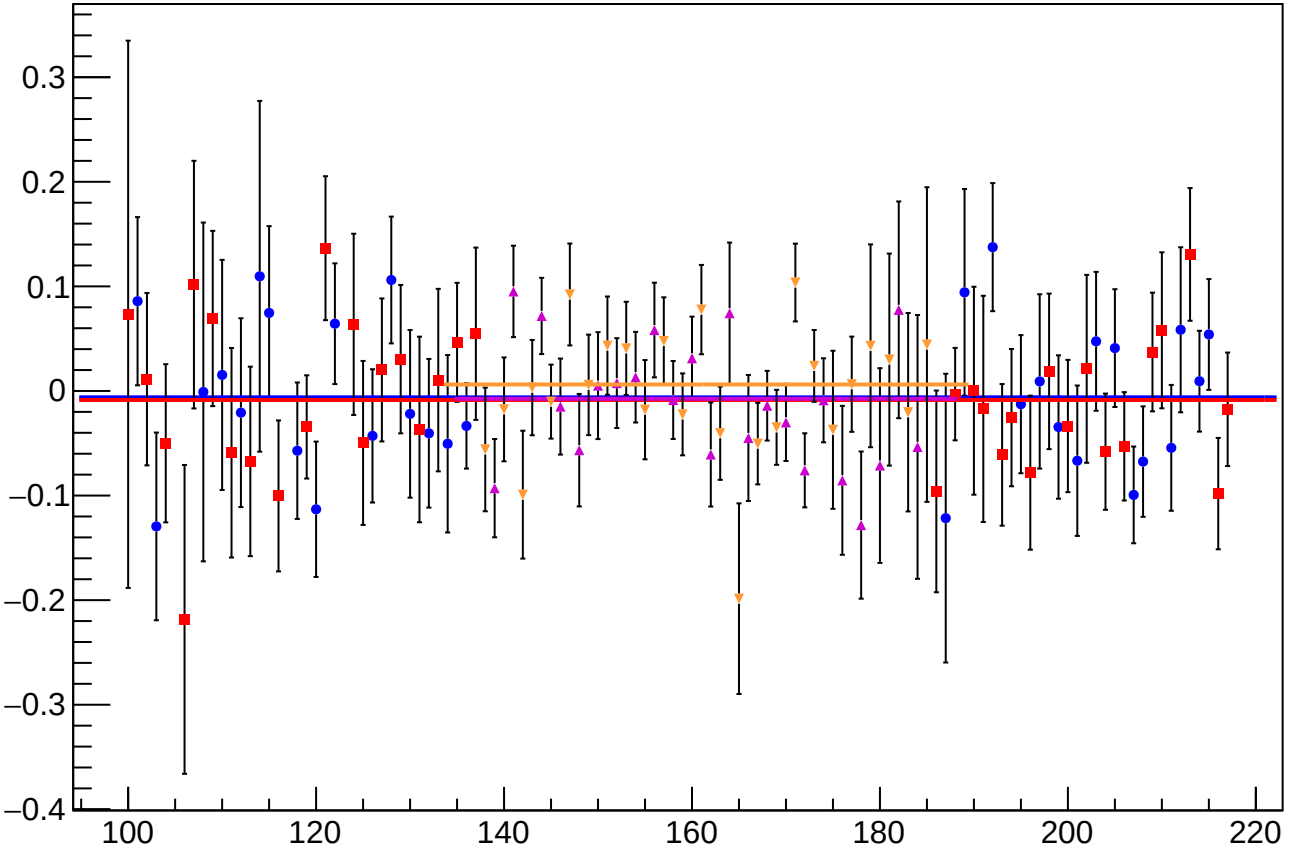
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13035778.5/55

All: 0.000+/-0.000 χ^2/NDF: 28701551.7/114

- sign 0.000+/-0.000 χ^2/NDF: 15618473.4/58

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

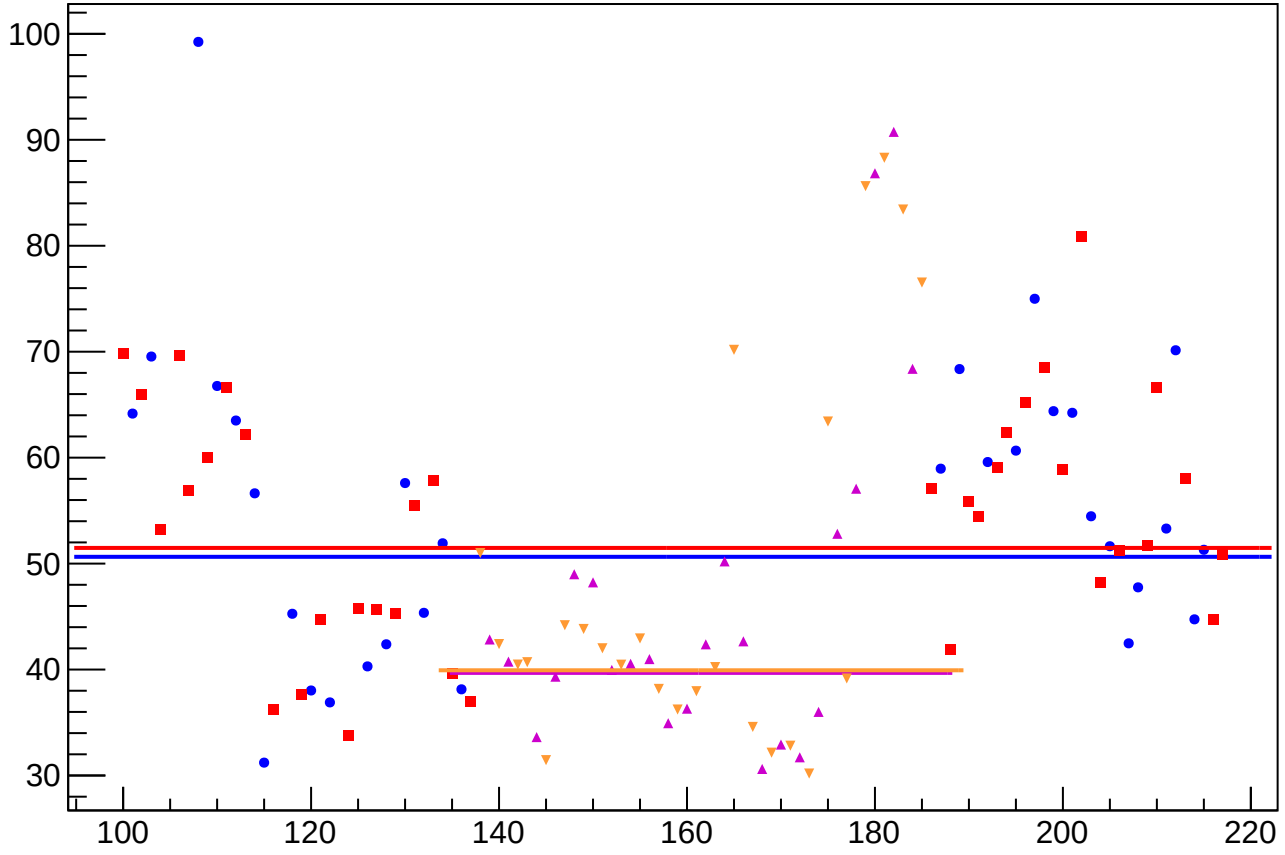
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.001+/-0.007 χ^2/NDF: 63.4/55

All: -0.003+/-0.005 χ^2/NDF: 122.4/114

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.640+/-0.009 χ^2/NDF: 1743375.8/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

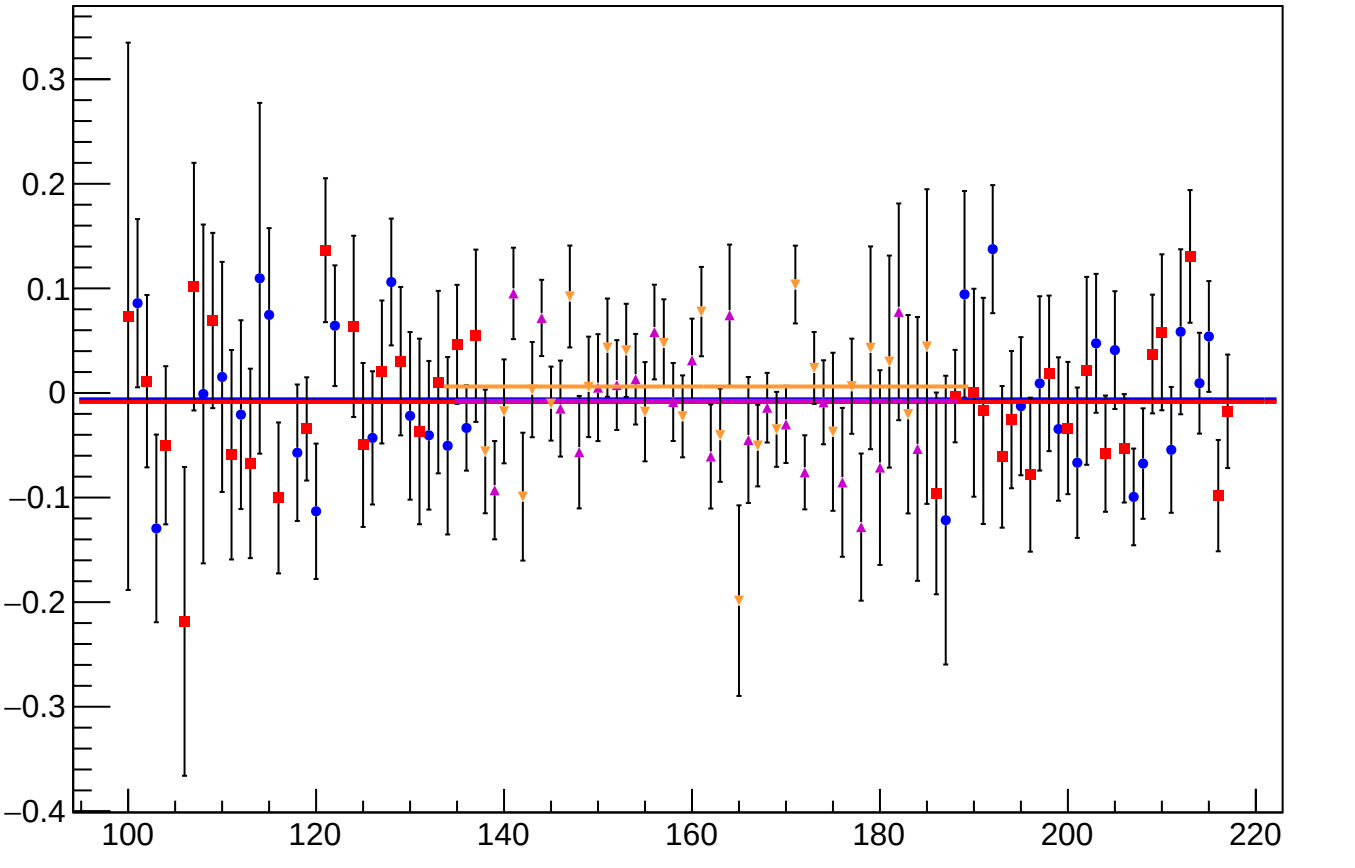
Right Out: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.072+/-0.005 χ^2/NDF: 5187128.3/55

All: 44.277+/-0.004 χ^2/NDF: 9789071.7/114

- sign 44.484+/-0.005 χ^2/NDF: 4598929.0/58



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

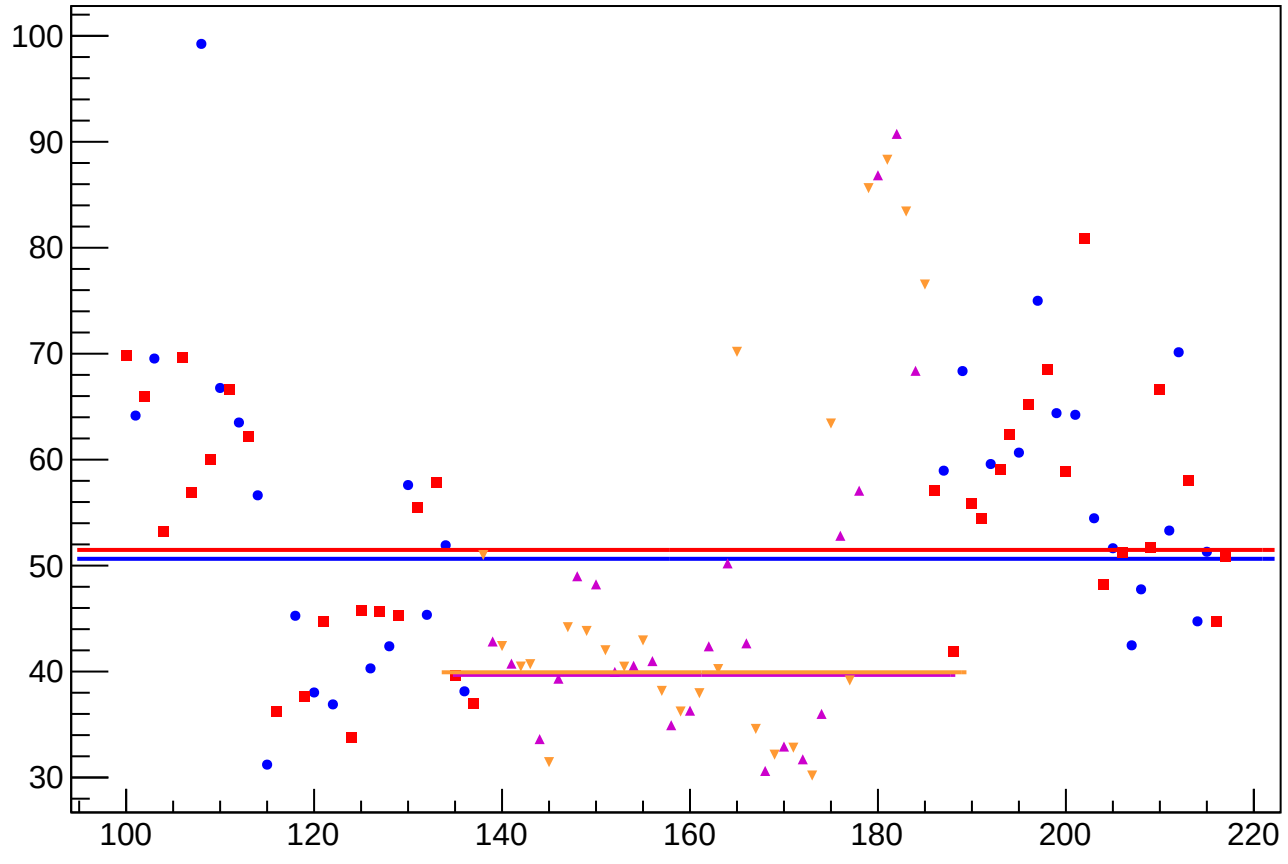
Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.001+/-0.007 χ^2/NDF: 63.4/55

All: -0.003+/-0.005 χ^2/NDF: 122.4/114

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58



Right In: 50.640+/-0.009 χ^2/NDF: 1743375.8/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

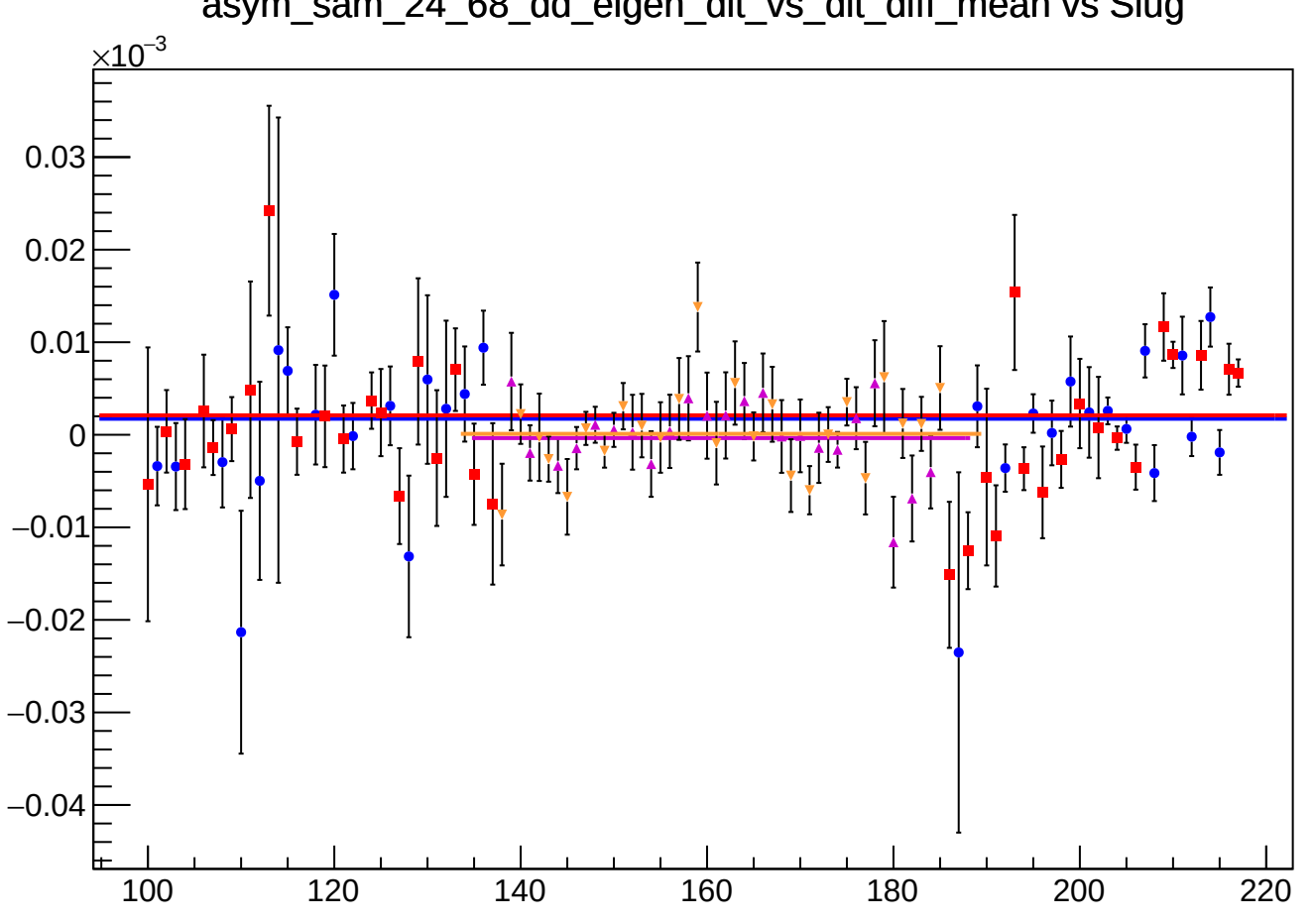
Right Out: 51.480+/-0.008 χ^2/NDF: 1498460.0/35

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.072+/-0.005 χ^2/NDF: 5187128.3/55

All: 44.277+/-0.004 χ^2/NDF: 9789071.7/114

- sign 44.484+/-0.005 χ^2/NDF: 4598929.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 55.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

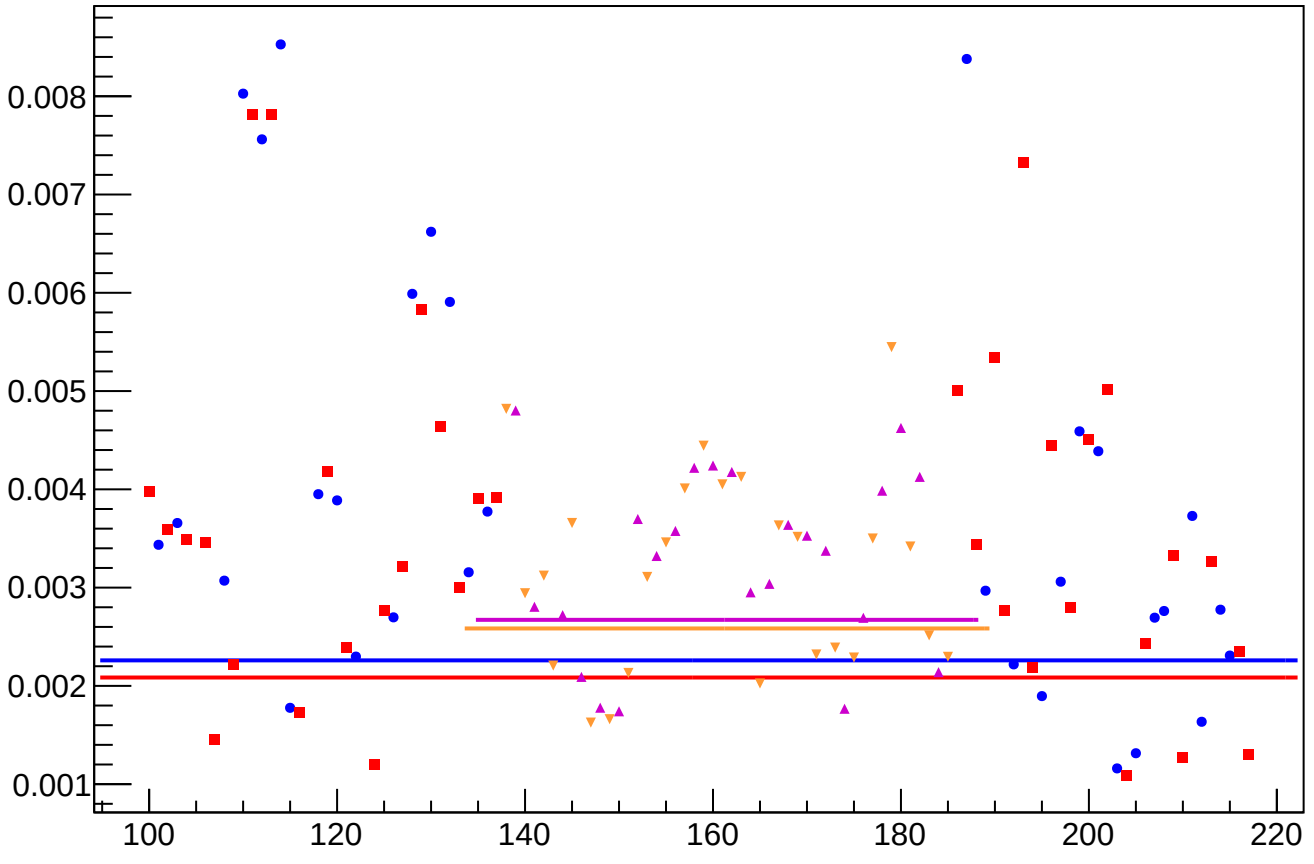
Right Out: 0.000+/-0.000 χ^2/NDF: 106.3/35

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 92.6/55

All: 0.000+/-0.000 χ^2/NDF: 225.9/114

- sign 0.000+/-0.000 χ^2/NDF: 133.2/58



Right In: 0.002+/-0.000 χ^2/NDF: 6994539.5/30

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

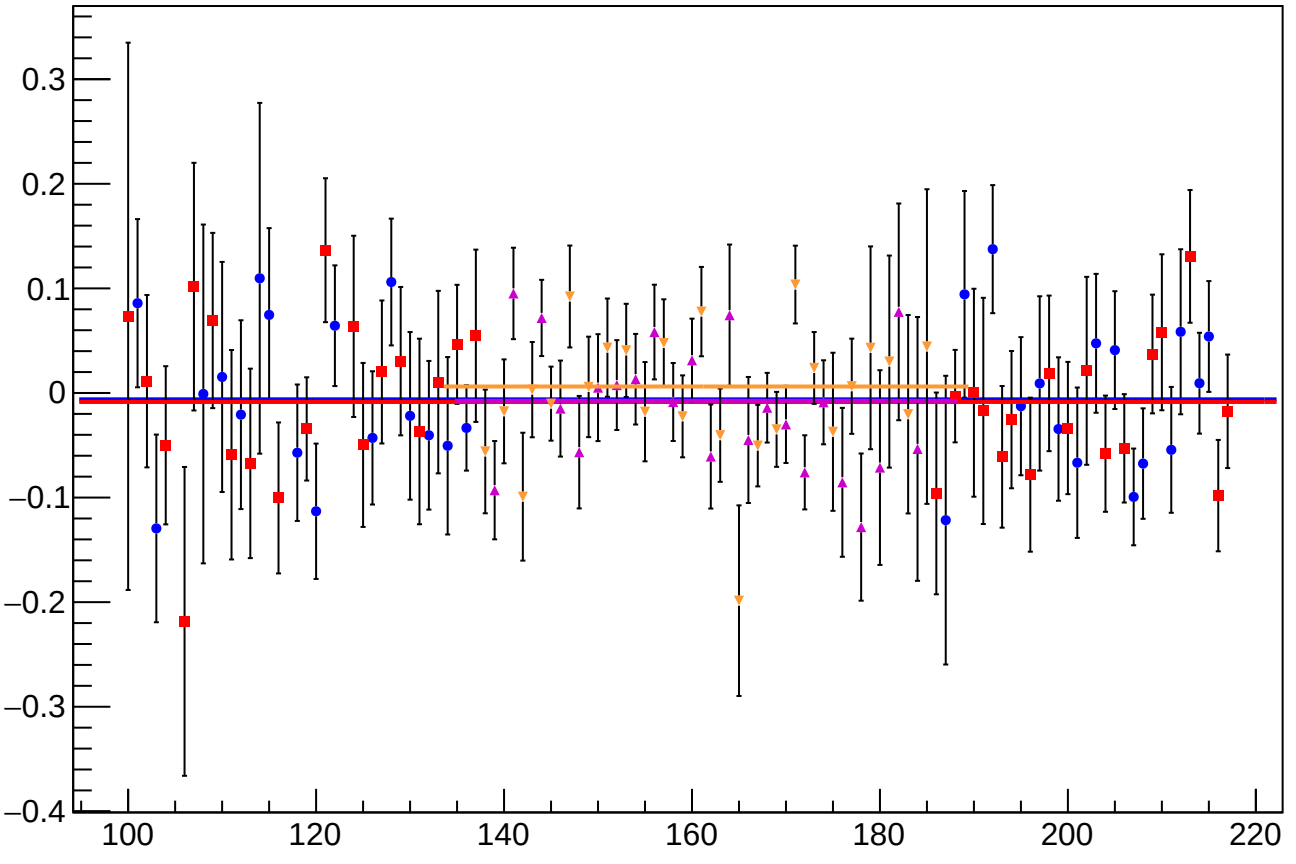
Right Out: 0.002+/-0.000 χ^2/NDF: 9398778.7/35

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11170788.0/55

All: 0.002+/-0.000 χ^2/NDF: 25376315.6/114

- sign 0.002+/-0.000 χ^2/NDF: 14154465.4/58



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

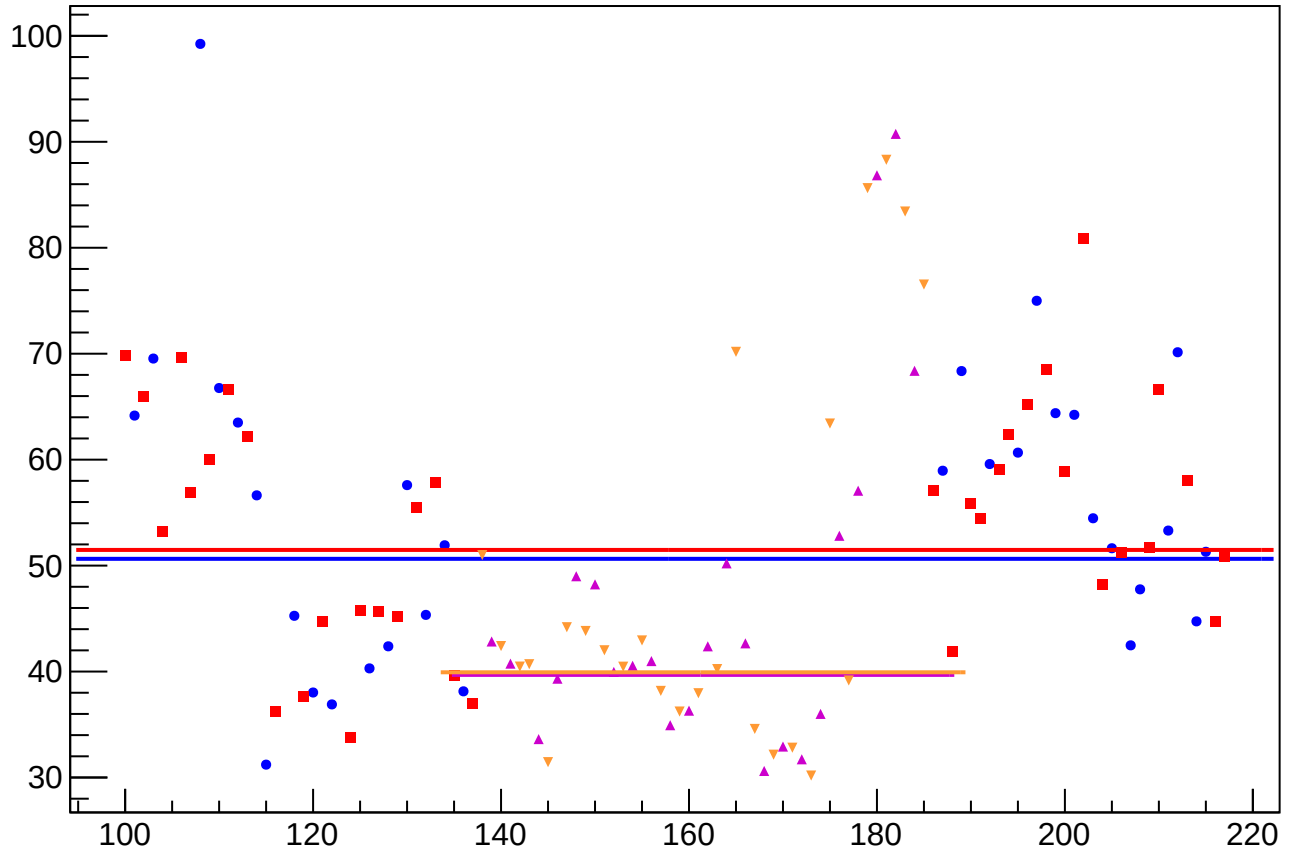
Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.001+/-0.007 χ^2/NDF: 63.4/55

All: -0.003+/-0.005 χ^2/NDF: 122.4/114

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58



Right In: 50.639+/-0.009 χ^2/NDF: 1743454.4/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

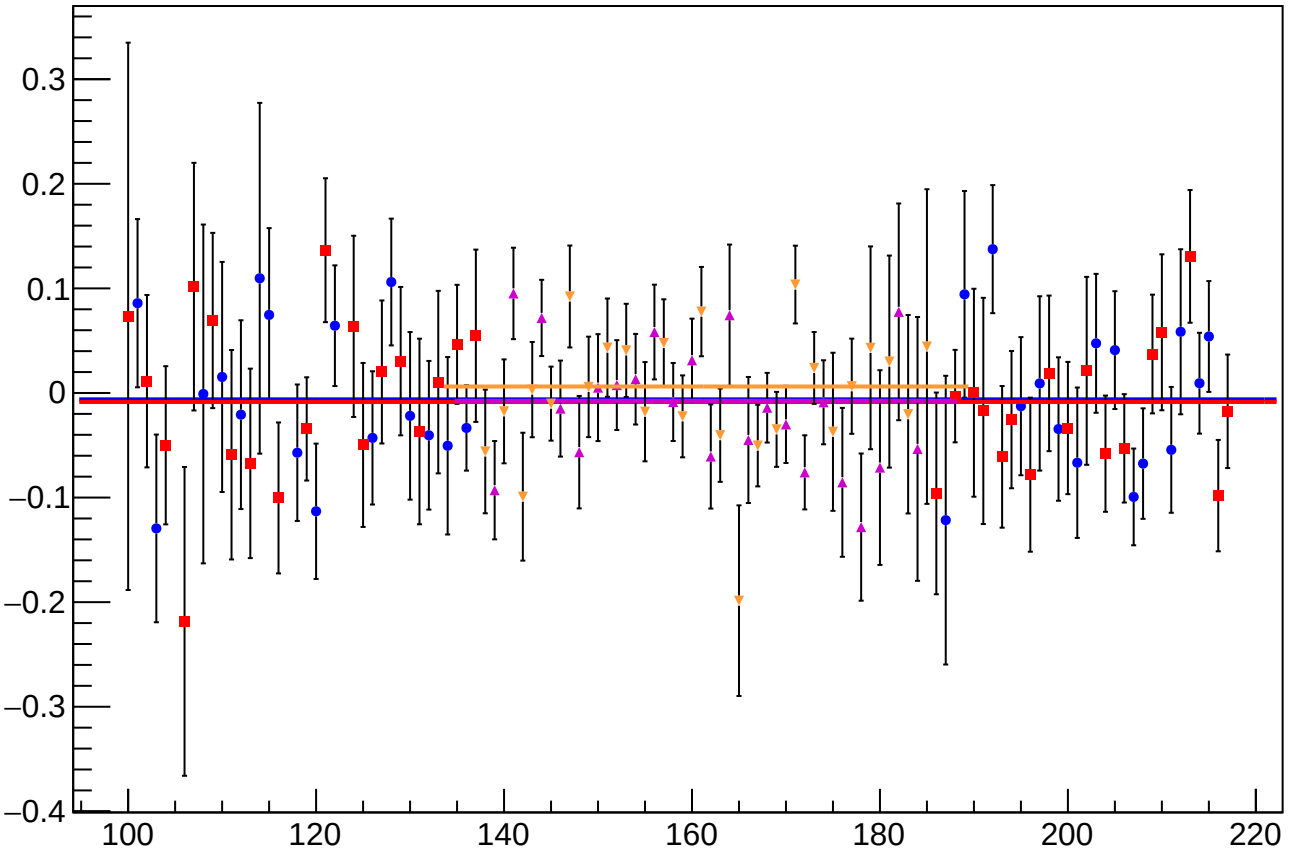
Right Out: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.071+/-0.005 χ^2/NDF: 5187057.5/55

All: 44.277+/-0.004 χ^2/NDF: 9788995.7/114

- sign 44.484+/-0.005 χ^2/NDF: 4598924.6/58



Right In: -0.006+/-0.012 χ^2/NDF: 31.9/30

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

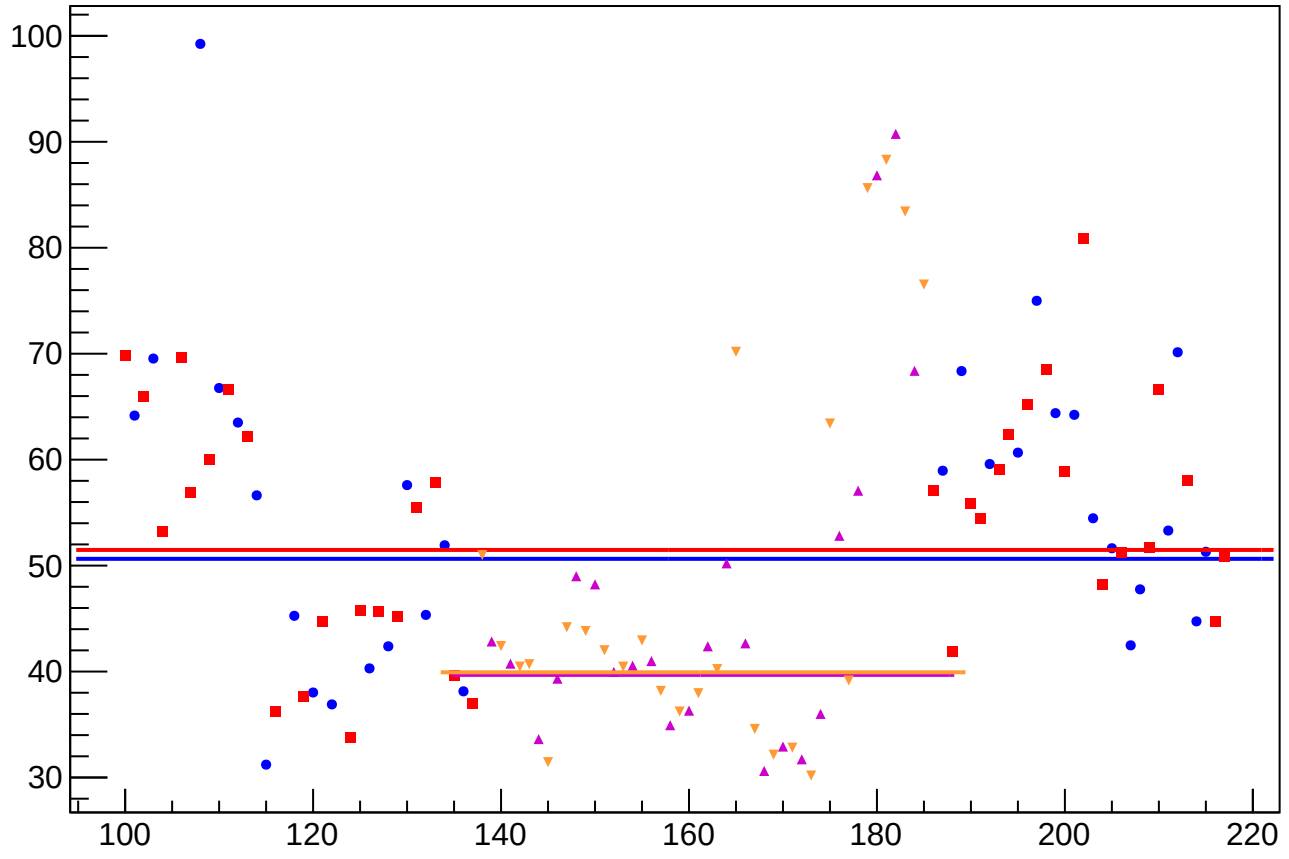
Right Out: -0.009+/-0.012 χ^2/NDF: 27.8/35

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.001+/-0.007 χ^2/NDF: 63.4/55

All: -0.003+/-0.005 χ^2/NDF: 122.4/114

- sign -0.008+/-0.008 χ^2/NDF: 58.2/58



Right In: 50.639+/-0.009 χ^2/NDF: 1743454.4/30

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

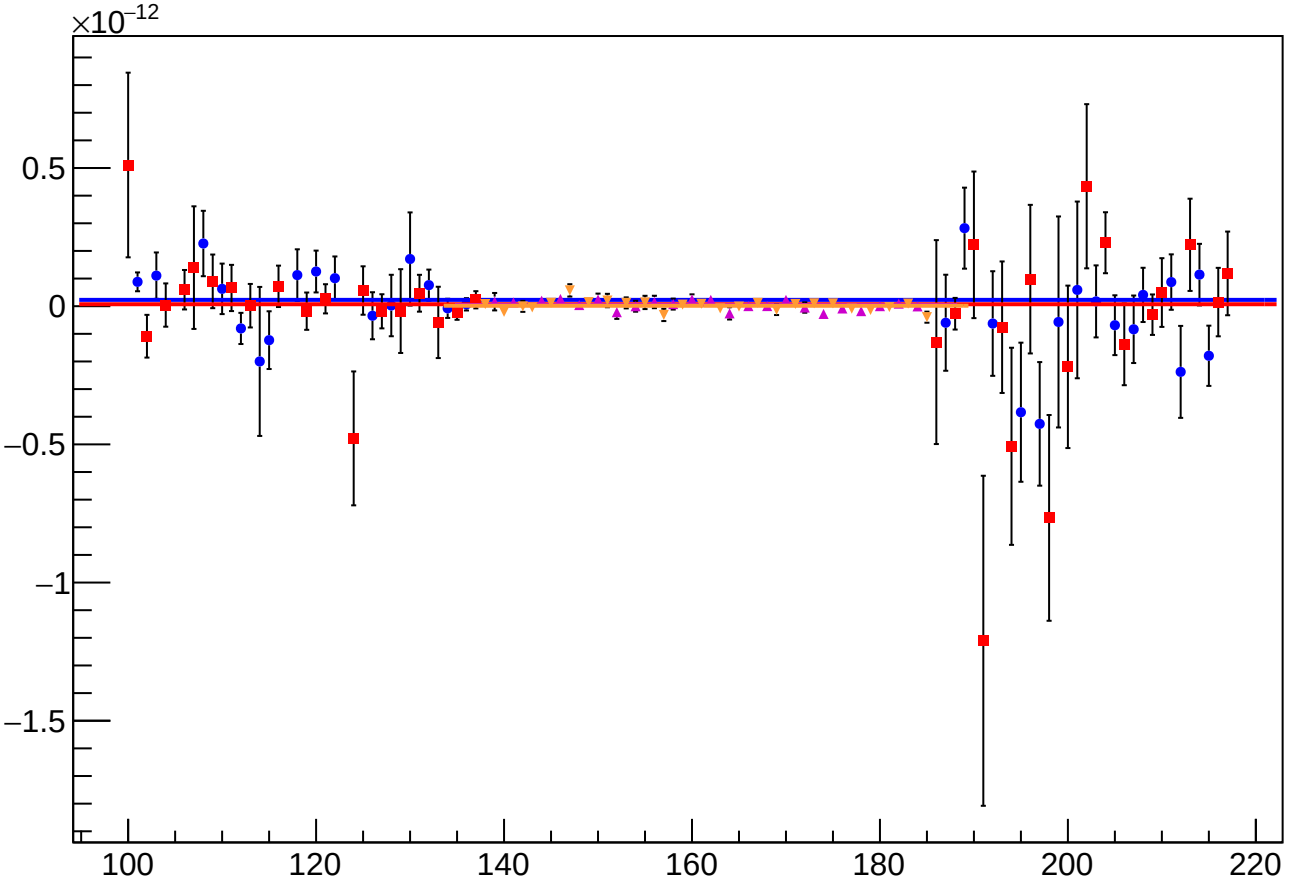
Right Out: 51.479+/-0.008 χ^2/NDF: 1498489.2/35

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.071+/-0.005 χ^2/NDF: 5187057.5/55

All: 44.277+/-0.004 χ^2/NDF: 9788995.7/114

- sign 44.484+/-0.005 χ^2/NDF: 4598924.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

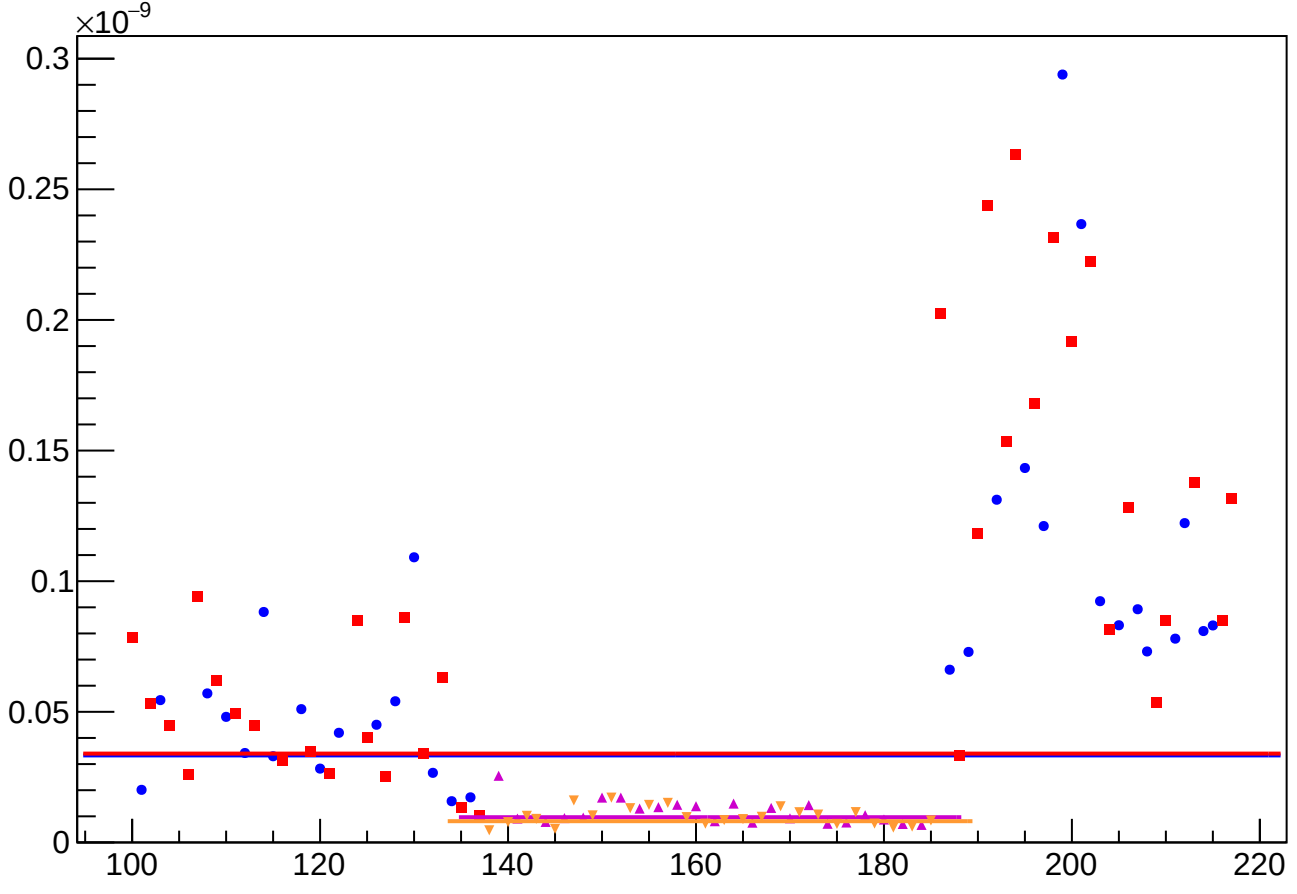
Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/35

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.5/55

All: 0.000+/-0.000 χ^2/NDF: 134.7/114

- sign 0.000+/-0.000 χ^2/NDF: 64.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 9349642.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11703299.2/35

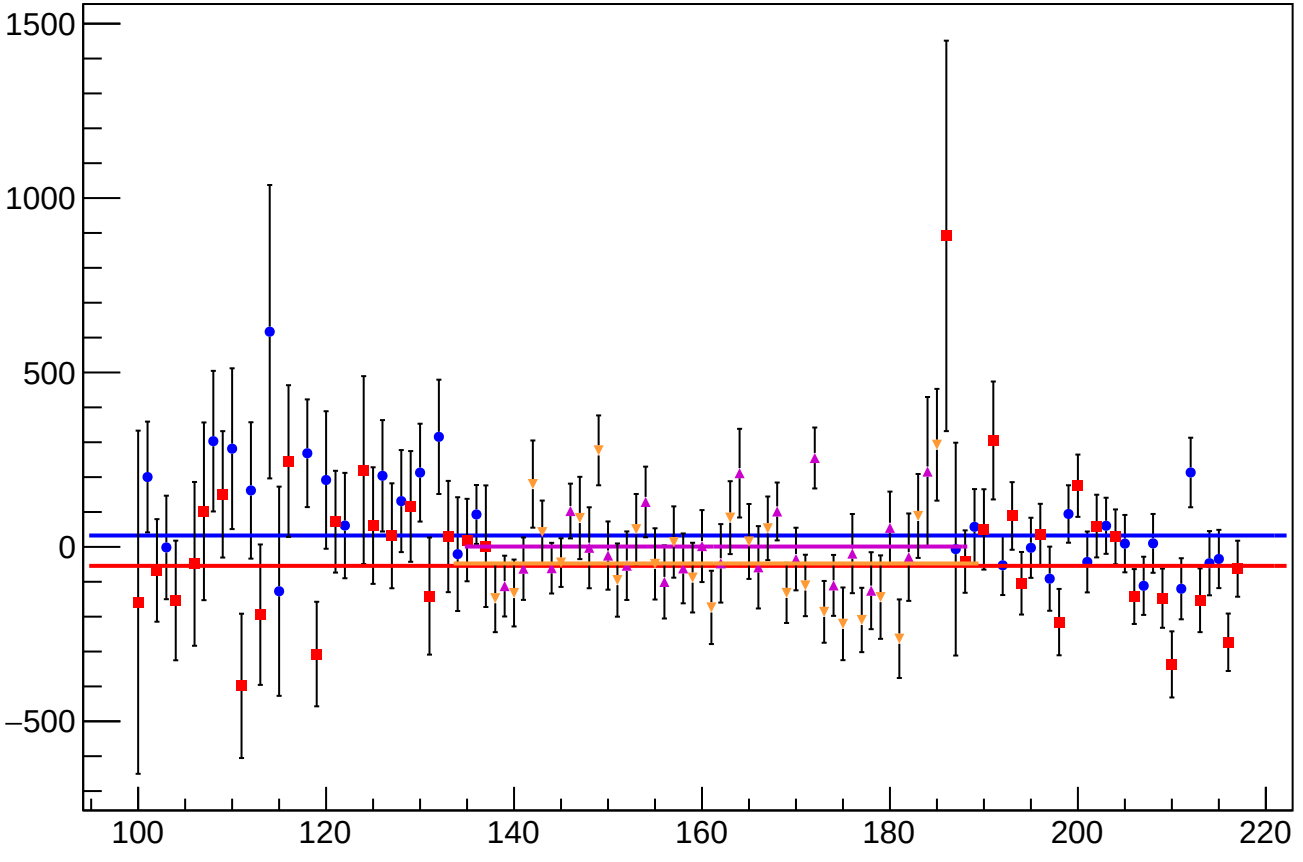
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19310072.4/55

All: 0.000+/-0.000 χ^2/NDF: 40029228.6/114

- sign 0.000+/-0.000 χ^2/NDF: 20314493.9/58

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 32.637+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.386+/-19.707 χ^2/NDF: 58.4/35

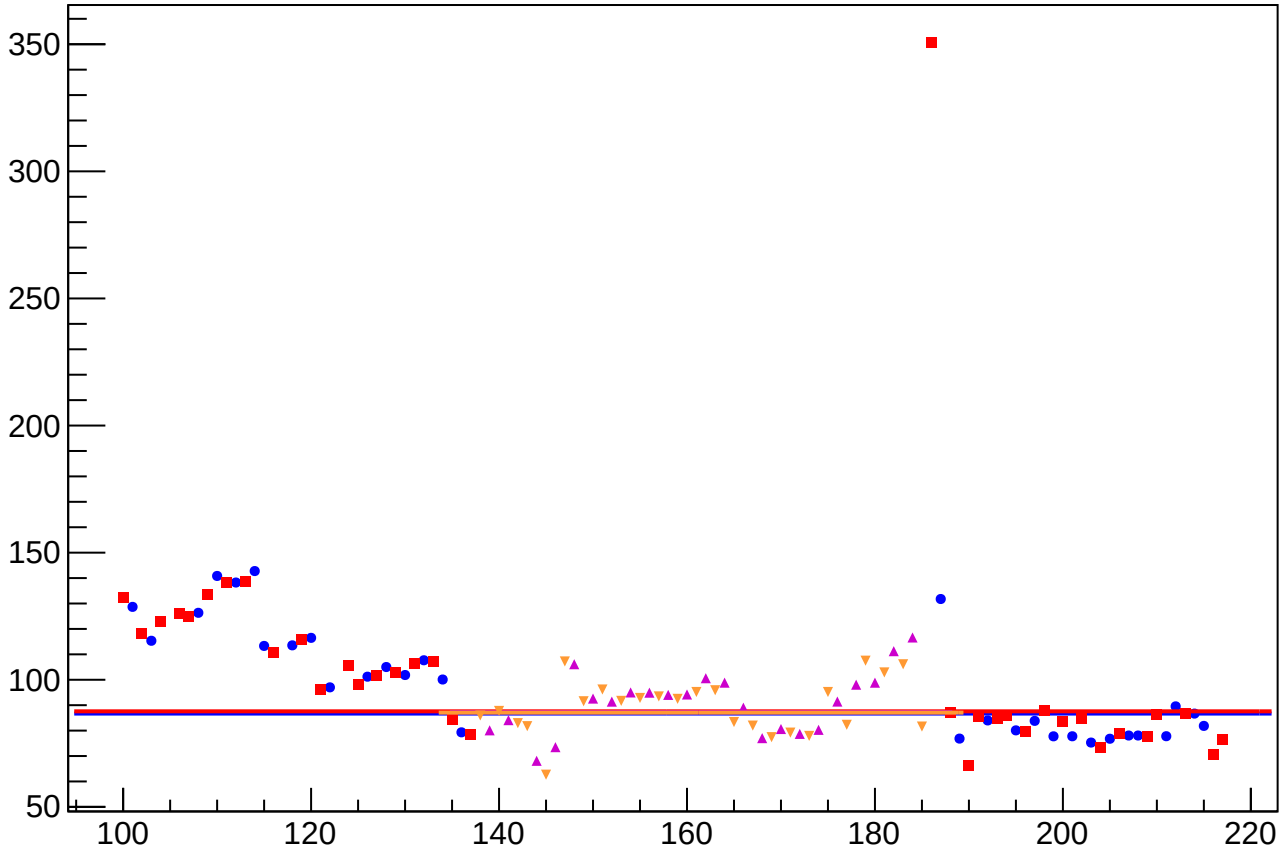
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -7.643+/-14.165 χ^2/NDF: 84.0/55

All: -17.732+/-10.043 χ^2/NDF: 172.6/114

- sign -27.931+/-14.241 χ^2/NDF: 87.6/58

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.0/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

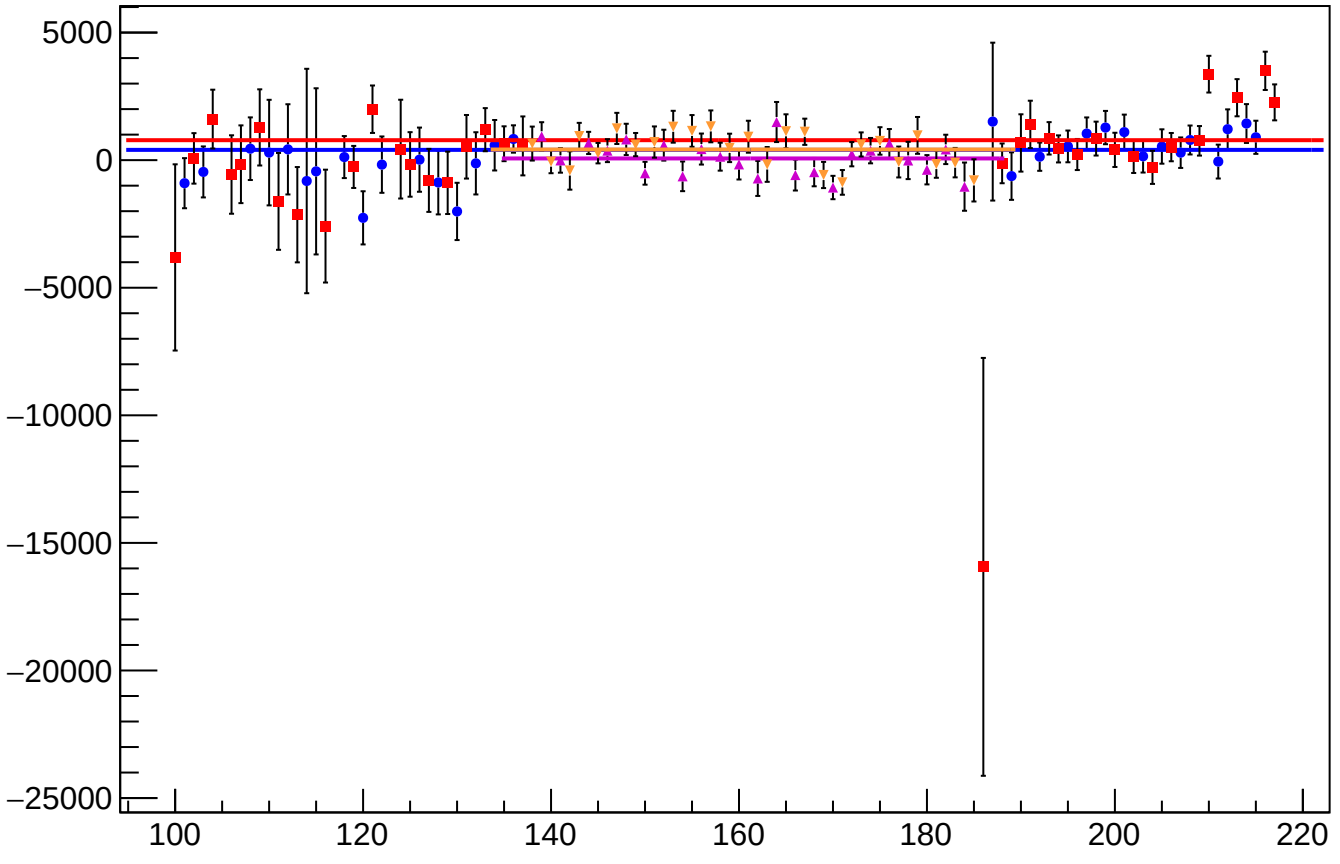
Right Out: 87.587+/-0.014 χ^2/NDF: 1658286.7/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.890+/-0.010 χ^2/NDF: 1722407.8/55

All: 87.158+/-0.007 χ^2/NDF: 3978199.6/114

- sign 87.429+/-0.010 χ^2/NDF: 2254348.4/58



Right In: 402.577+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 782.293+/-142.433 χ^2/NDF: 65.3/35

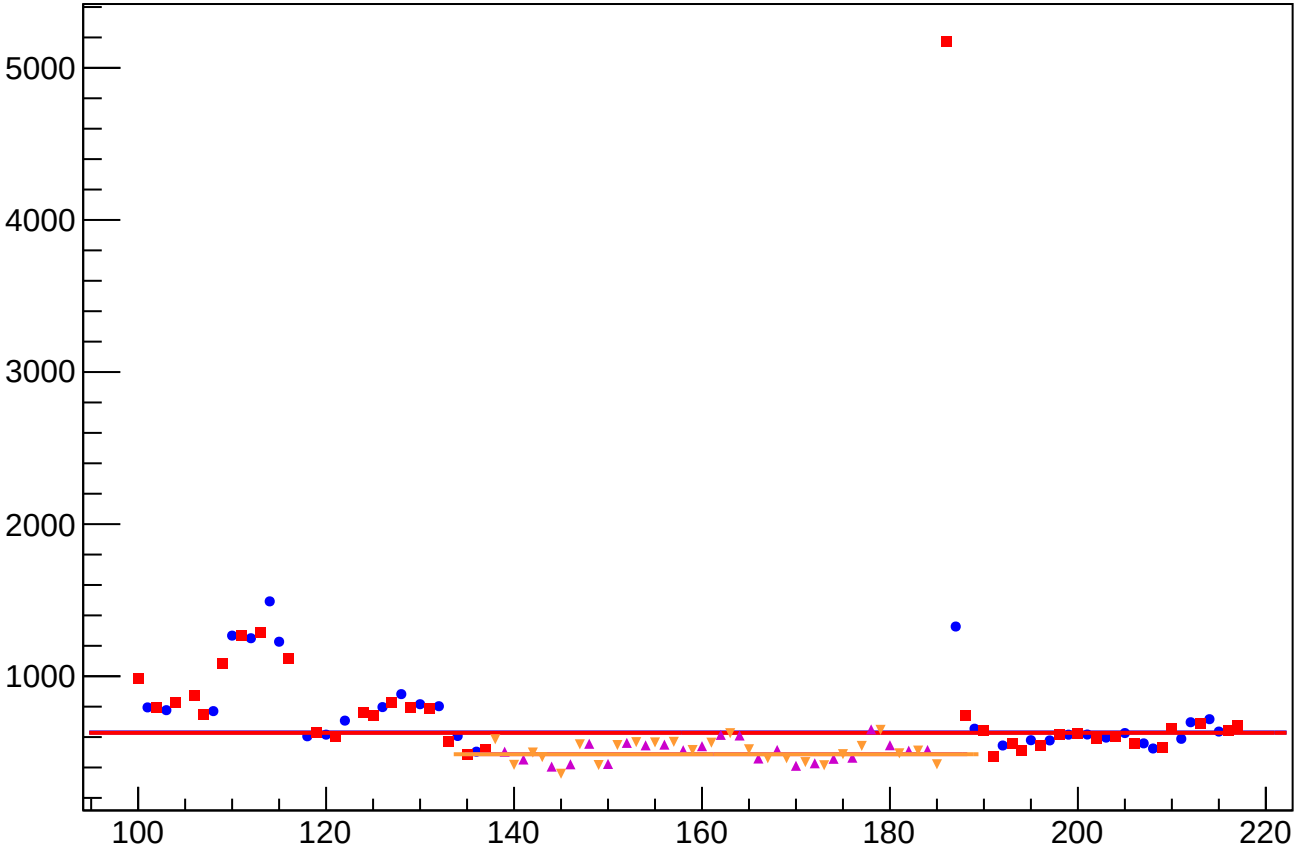
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

\+ sign 411.300+/-89.159 χ^2/NDF: 58.8/55

All: 380.988+/-63.226 χ^2/NDF: 167.1/114

\- sign 350.327+/-89.673 χ^2/NDF: 108.1/58

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 630.210+/-0.104 χ^2/NDF: 1372670.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.889+/-0.101 χ^2/NDF: 2233884.2/35

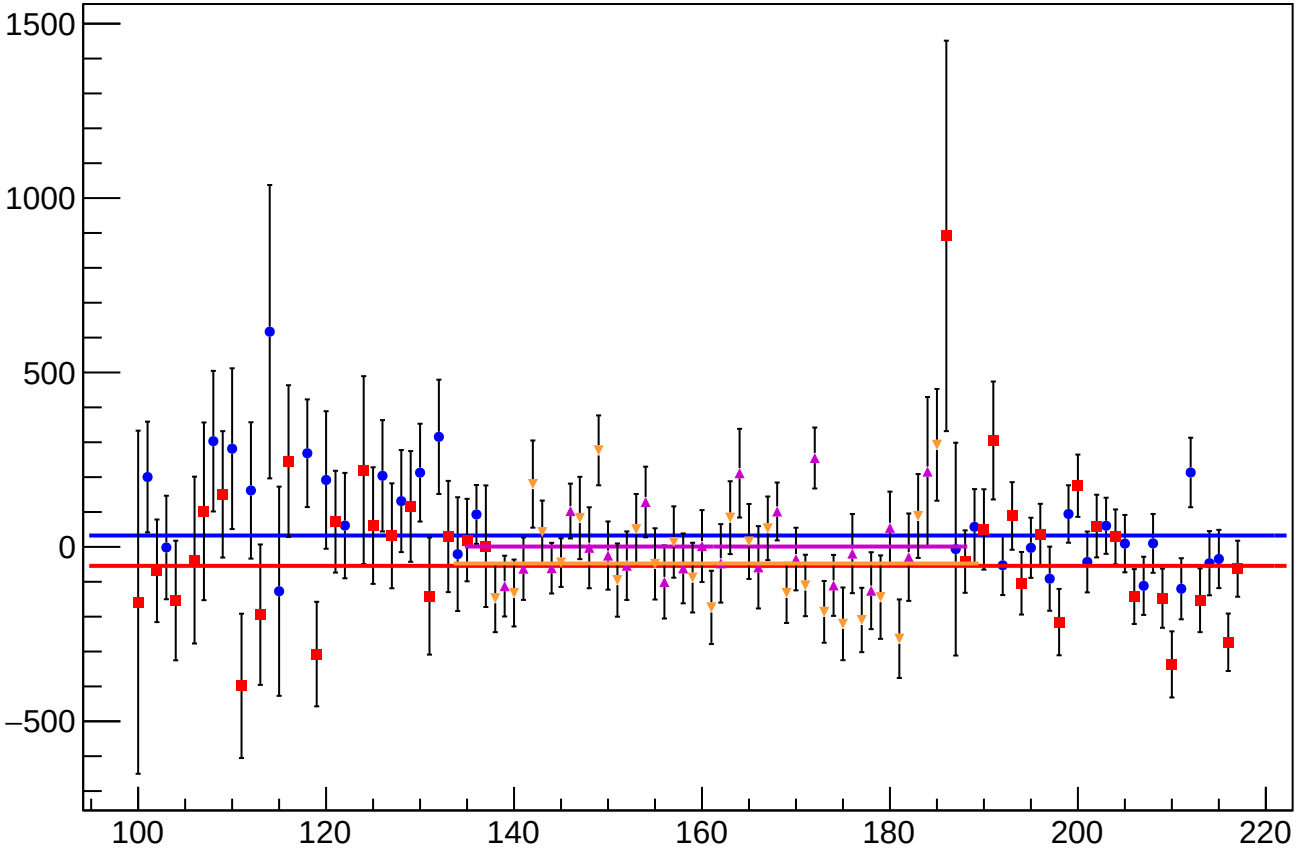
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 540.048+/-0.063 χ^2/NDF: 3395439.3/55

All: 541.717+/-0.045 χ^2/NDF: 7430685.0/114

- sign 543.406+/-0.063 χ^2/NDF: 4033835.0/58

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 32.631+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.330+/-19.710 χ^2/NDF: 58.4/35

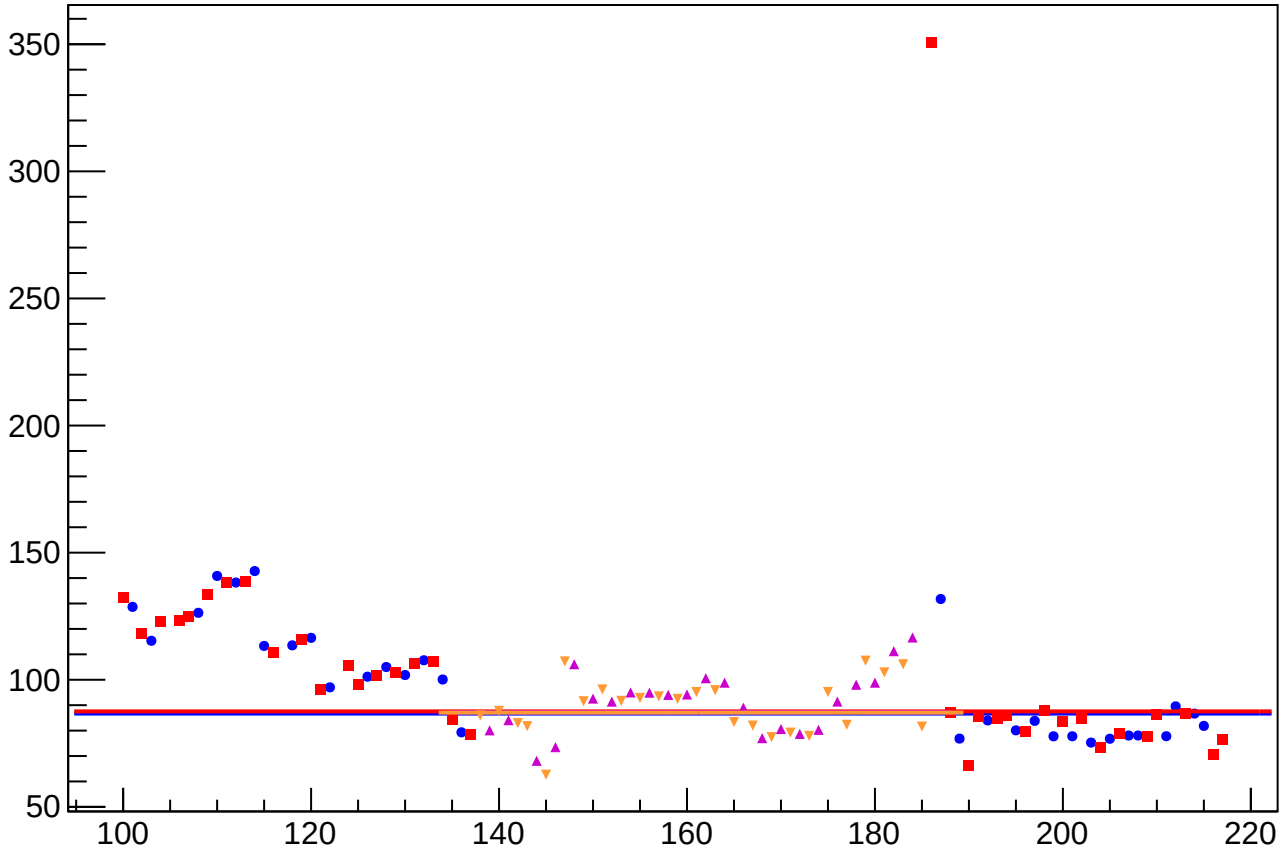
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -7.649+/-14.165 χ^2/NDF: 84.0/55

All: -17.718+/-10.043 χ^2/NDF: 172.6/114

- sign -27.897+/-14.242 χ^2/NDF: 87.6/58

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.4/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

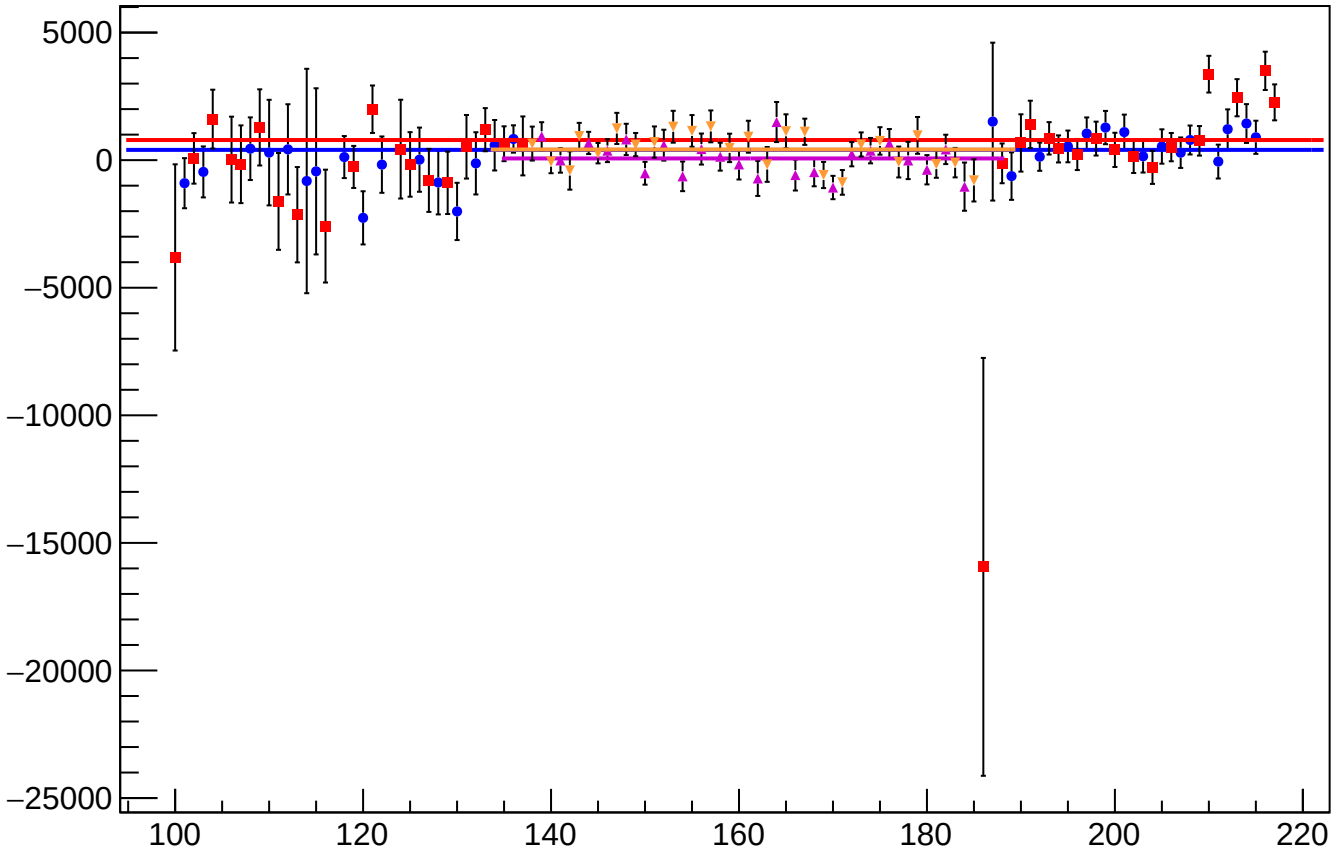
Right Out: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.890+/-0.010 χ^2/NDF: 1722408.2/55

All: 87.150+/-0.007 χ^2/NDF: 3968940.8/114

- sign 87.414+/-0.010 χ^2/NDF: 2245168.6/58



Right In: 402.574+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 788.408+/-142.536 χ^2/NDF: 64.8/35

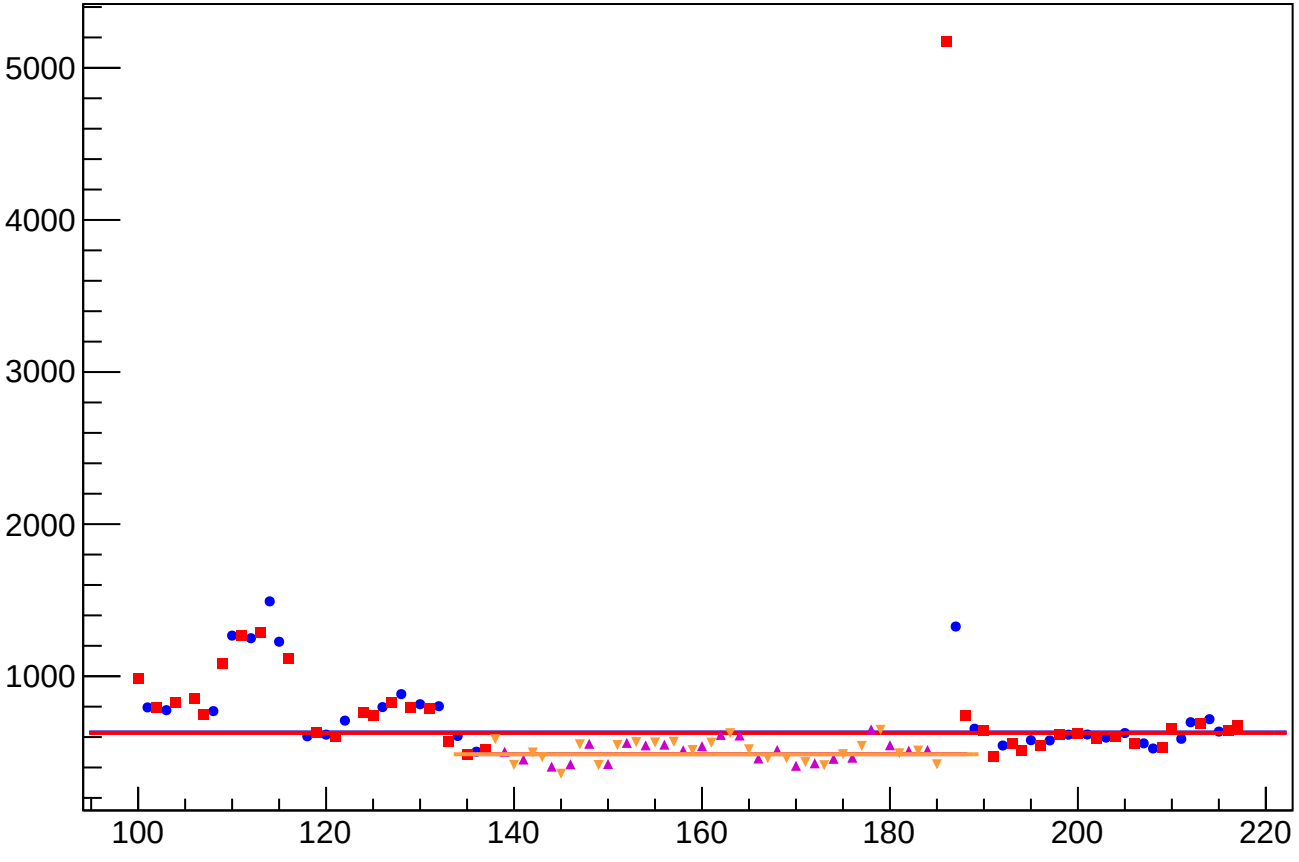
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 411.294+/-89.159 χ^2/NDF: 58.8/55

All: 382.074+/-63.235 χ^2/NDF: 166.8/114

\- sign 352.500+/-89.699 χ^2/NDF: 107.8/58

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 630.210+/-0.104 χ^2/NDF: 1372682.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

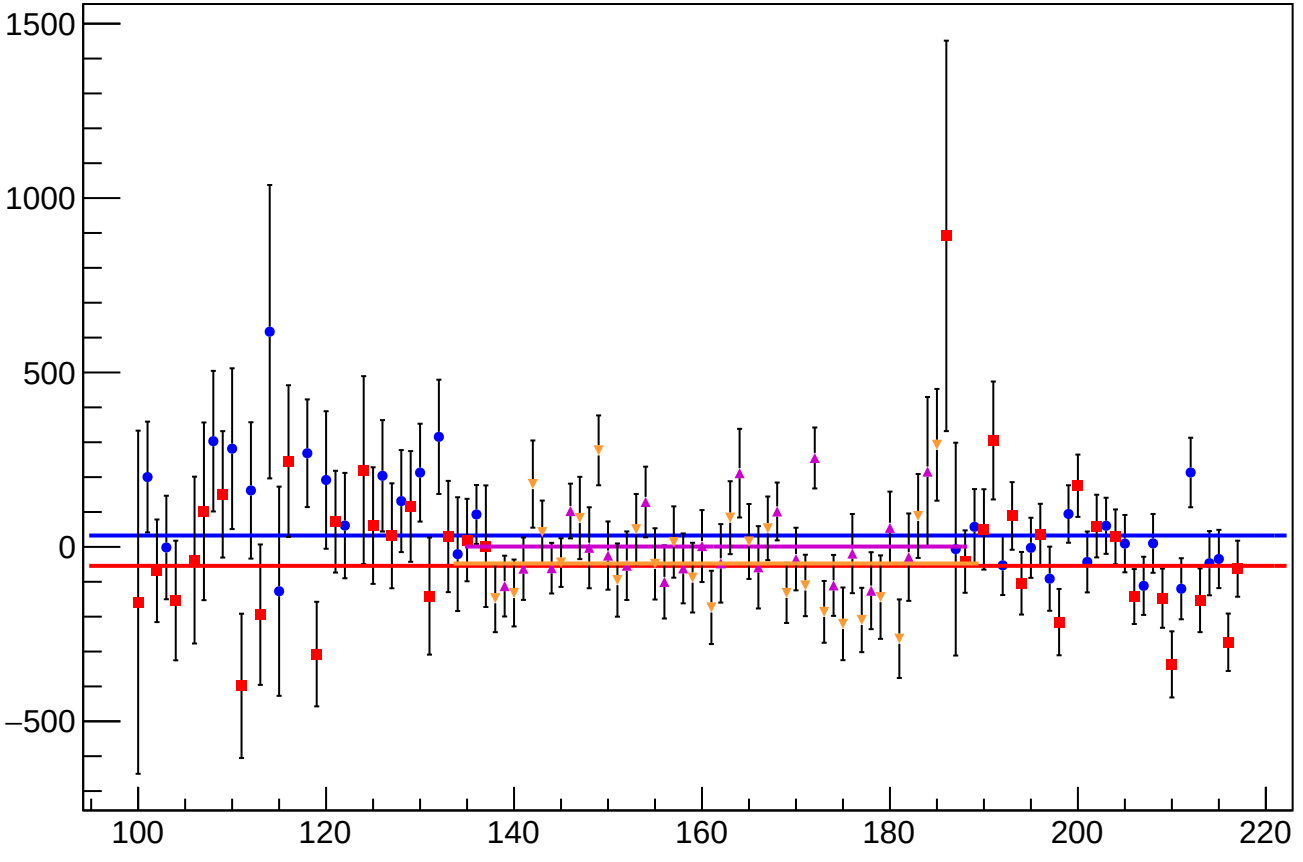
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 540.048+/-0.063 χ^2/NDF: 3395444.2/55

All: 541.596+/-0.045 χ^2/NDF: 7406273.6/114

- sign 543.163+/-0.063 χ^2/NDF: 4009615.8/58

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 32.631+/-20.083 χ^2/NDF: 32.0/30

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -54.330+/-19.710 χ^2/NDF: 58.4/35

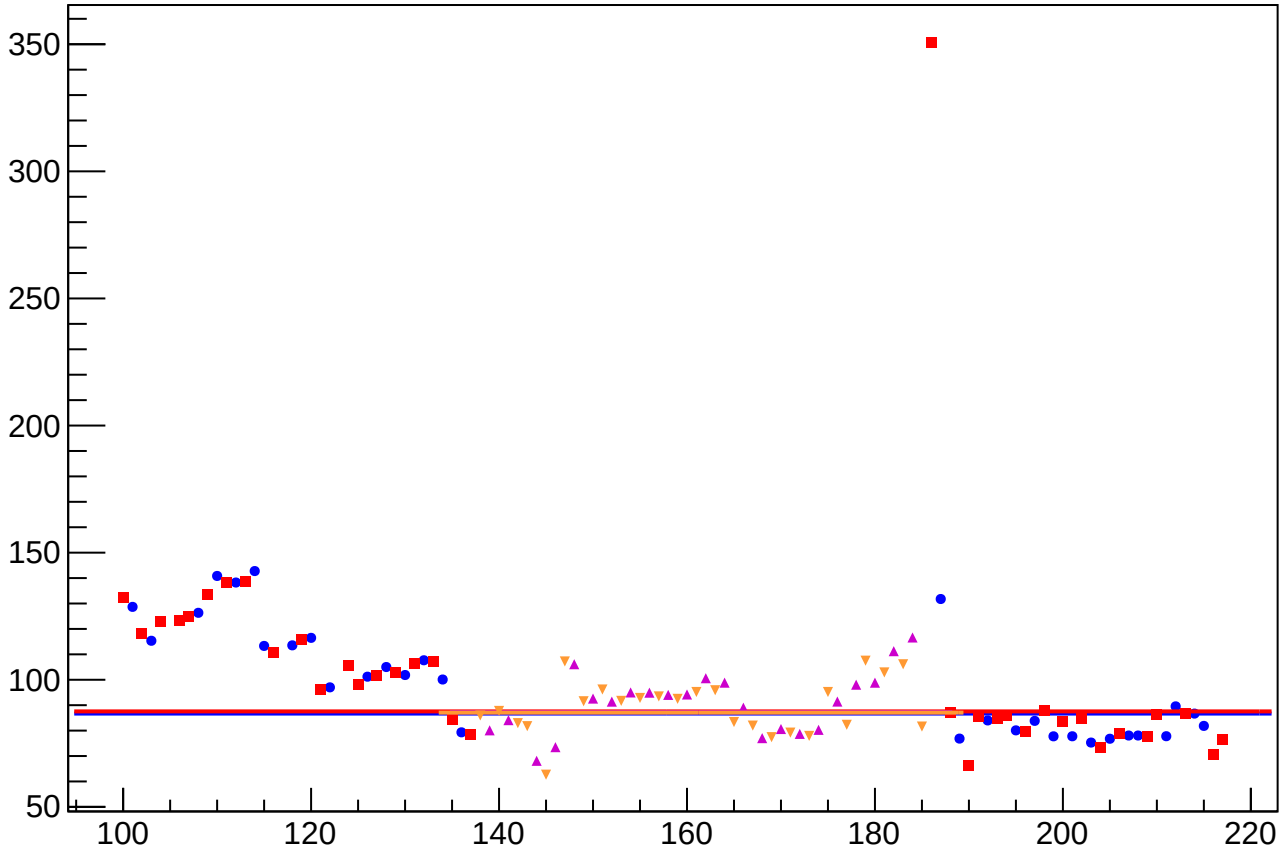
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

\+ sign -7.649+/-14.165 χ^2/NDF: 84.0/55

All: -17.718+/-10.043 χ^2/NDF: 172.6/114

\- sign -27.897+/-14.242 χ^2/NDF: 87.6/58

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 86.705+/-0.014 χ^2/NDF: 1101447.4/30

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

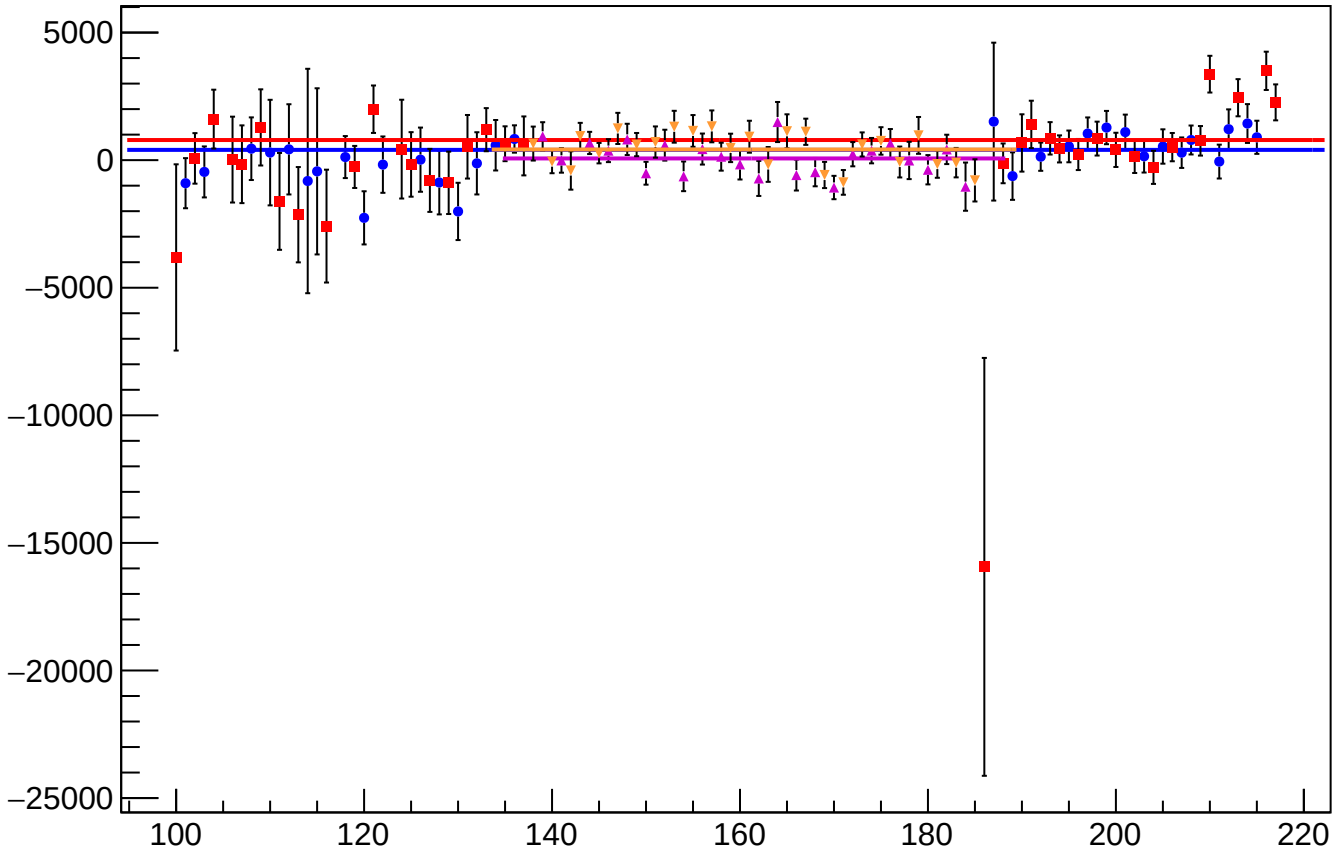
Right Out: 87.558+/-0.014 χ^2/NDF: 1649151.6/35

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.890+/-0.010 χ^2/NDF: 1722408.2/55

All: 87.150+/-0.007 χ^2/NDF: 3968940.8/114

- sign 87.414+/-0.010 χ^2/NDF: 2245168.6/58



Right In: 402.574+/-146.564 χ^2/NDF: 26.4/30

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

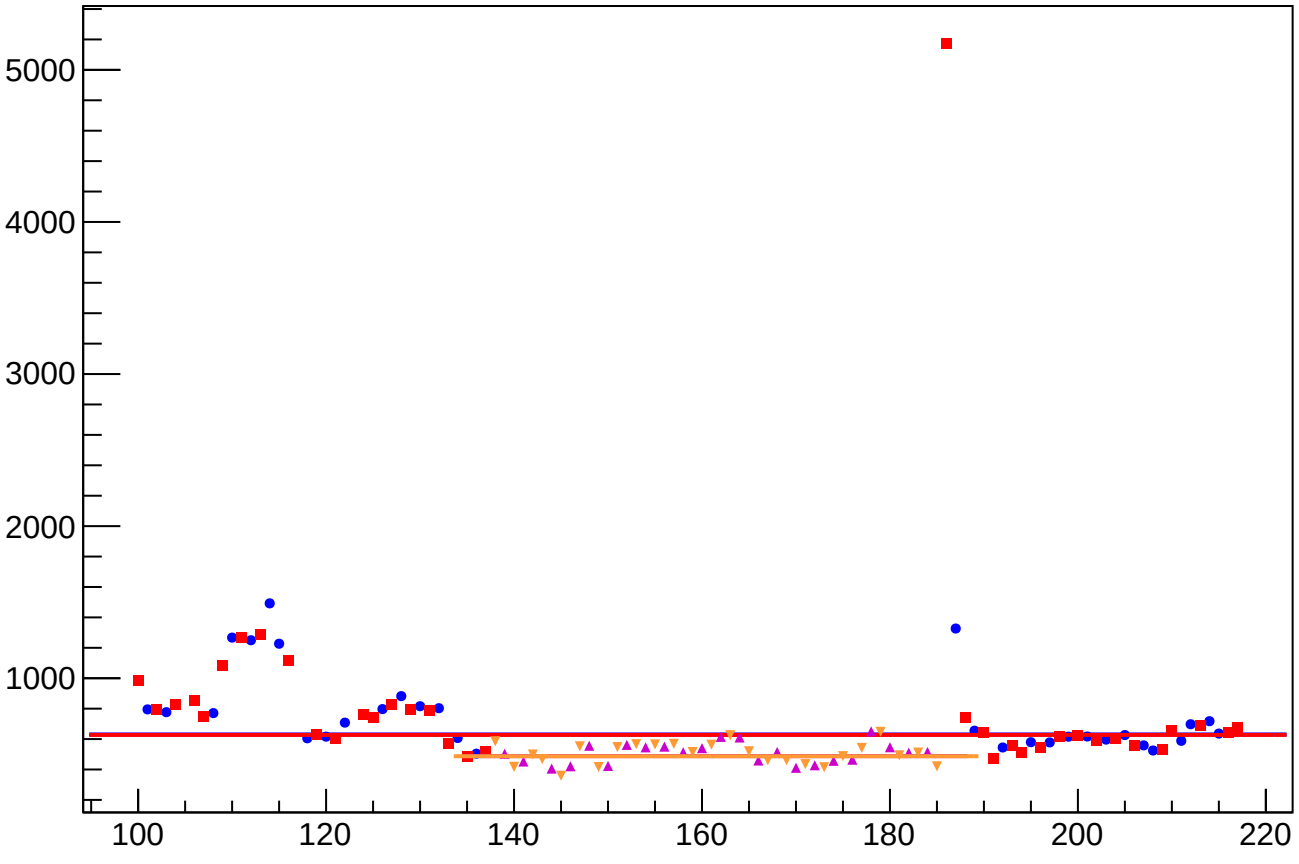
Right Out: 788.408+/-142.536 χ^2/NDF: 64.8/35

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 411.294+/-89.159 χ^2/NDF: 58.8/55

All: 382.074+/-63.235 χ^2/NDF: 166.8/114

- sign 352.500+/-89.699 χ^2/NDF: 107.8/58



Right In: 630.210+/-0.104 χ^2/NDF: 1372682.9/30

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.398+/-0.101 χ^2/NDF: 2218839.1/35

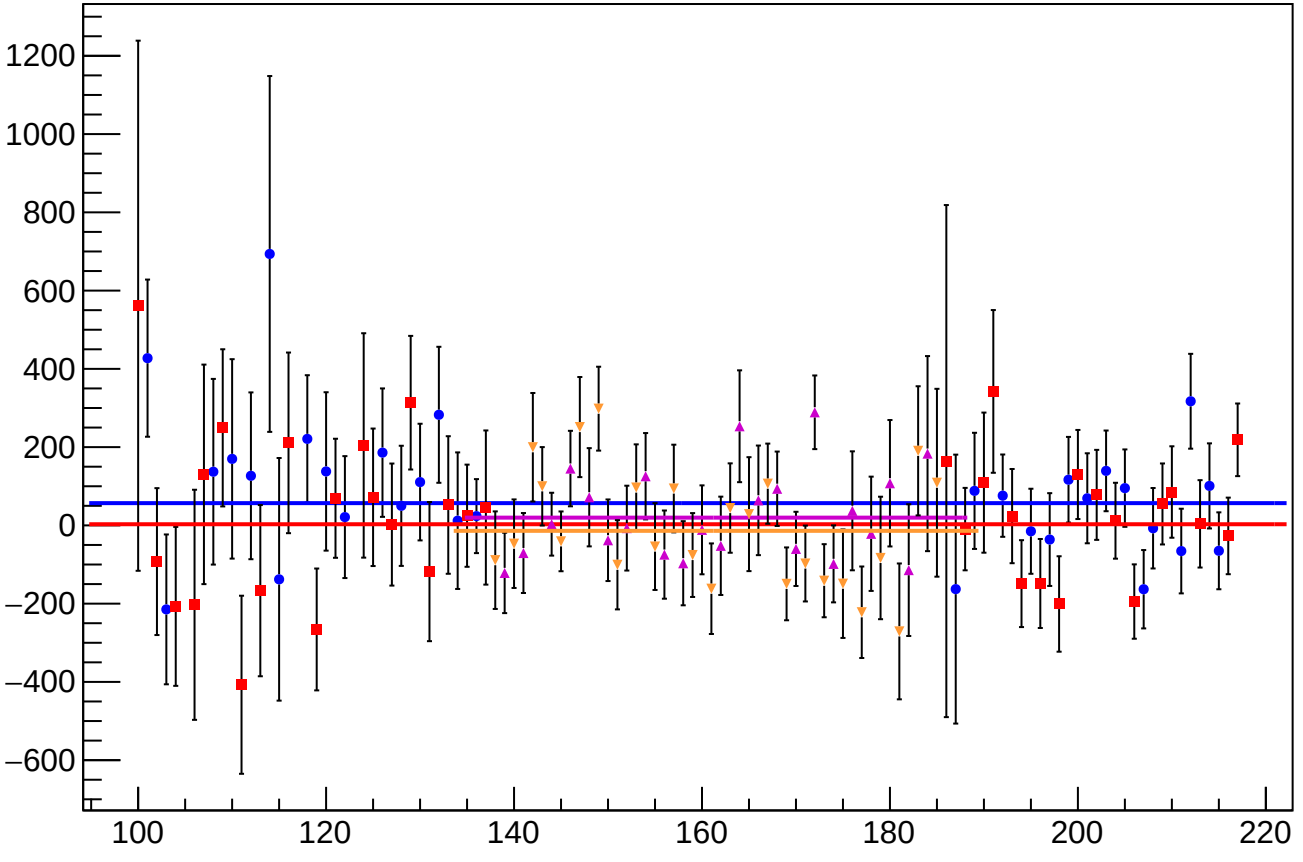
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 540.048+/-0.063 χ^2/NDF: 3395444.2/55

All: 541.596+/-0.045 χ^2/NDF: 7406273.6/114

- sign 543.163+/-0.063 χ^2/NDF: 4009615.8/58

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 56.876+/-24.114 χ^2/NDF: 27.5/30

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.945+/-23.607 χ^2/NDF: 38.4/35

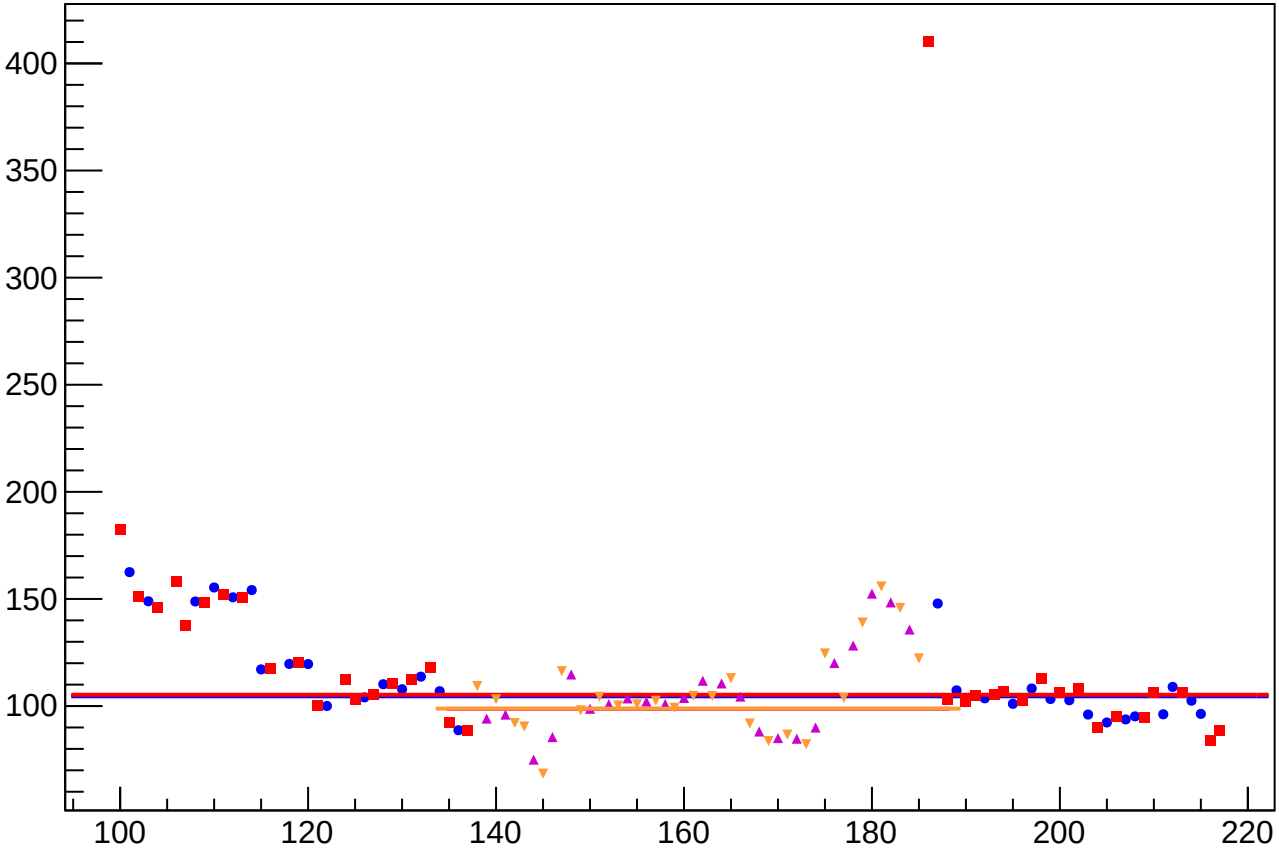
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 19.685+/-16.611 χ^2/NDF: 68.4/55

All: 15.554+/-11.770 χ^2/NDF: 130.5/114

- sign 11.388+/-16.680 χ^2/NDF: 62.0/58

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 104.554+/-0.017 χ^2/NDF: 790600.8/30

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 105.271+/-0.017 χ^2/NDF: 1355858.3/35

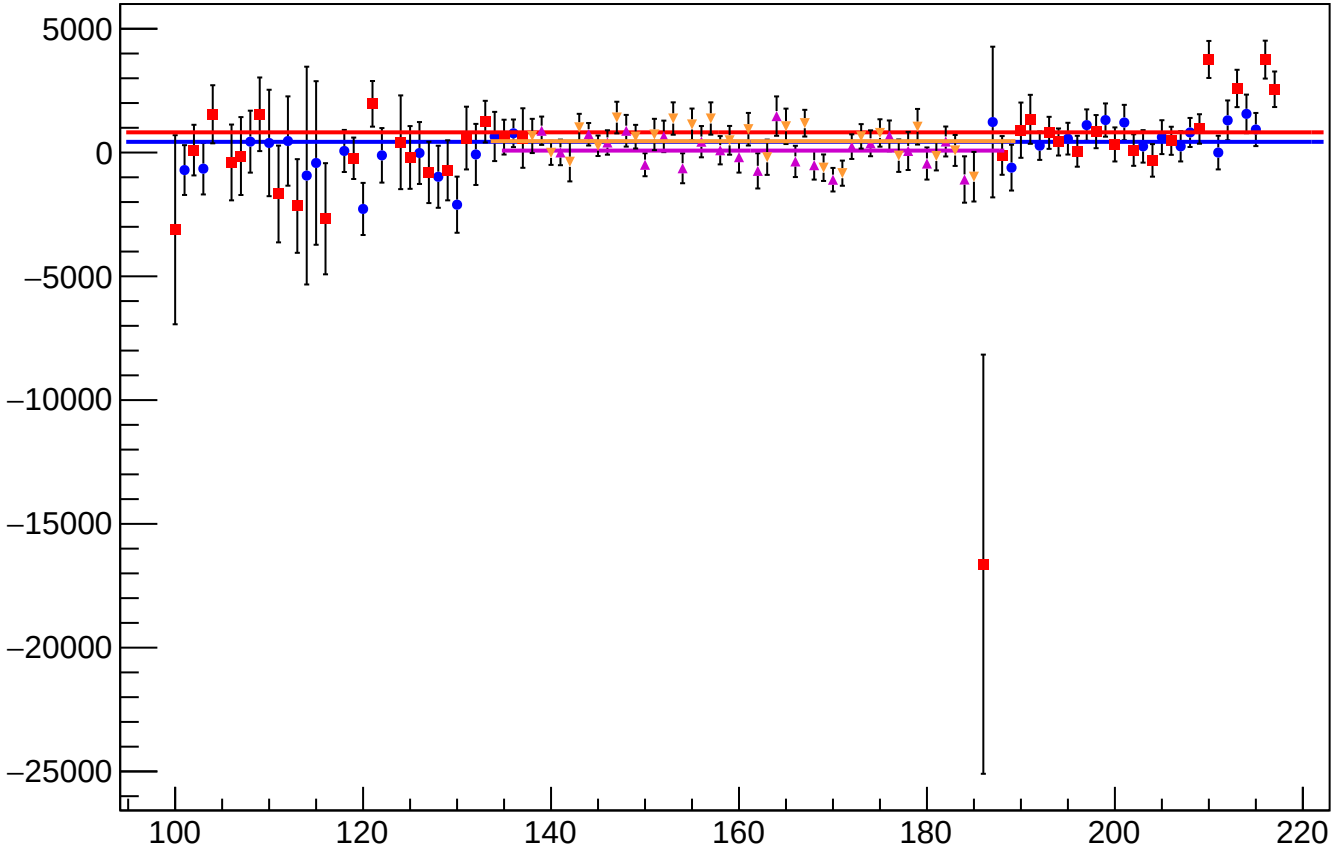
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.530+/-0.012 χ^2/NDF: 2036268.5/55

All: 101.748+/-0.008 χ^2/NDF: 4458881.5/114

- sign 101.967+/-0.012 χ^2/NDF: 2421923.1/58

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 432.159+/-150.210 χ^2/NDF: 27.0/30

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 816.403+/-145.298 χ^2/NDF: 72.0/35

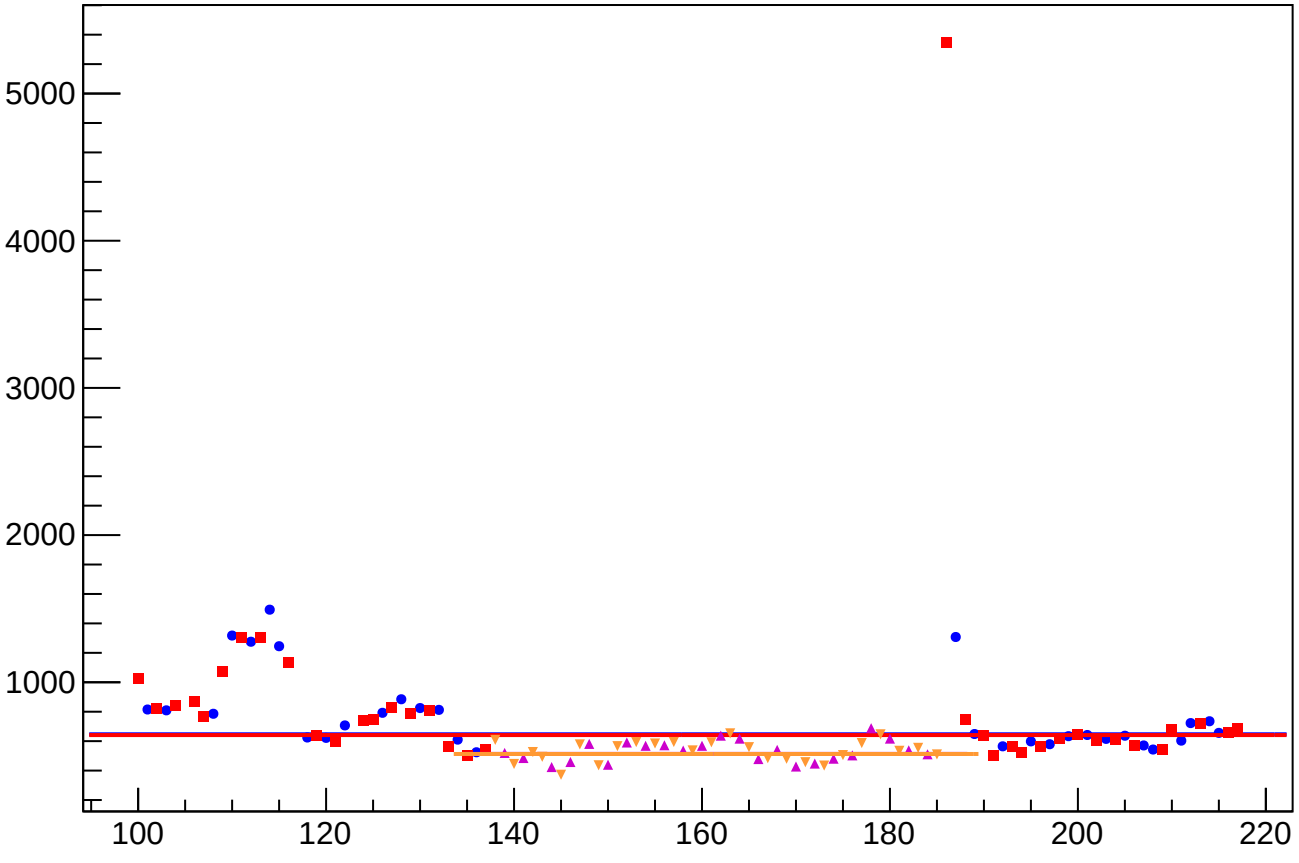
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 448.803+/-92.846 χ^2/NDF: 57.8/55

All: 415.588+/-65.769 χ^2/NDF: 171.4/114

- sign 382.135+/-93.178 χ^2/NDF: 113.4/58

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 646.567+/-0.106 χ^2/NDF: 1319381.0/30

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 641.283+/-0.103 χ^2/NDF: 2166848.0/35

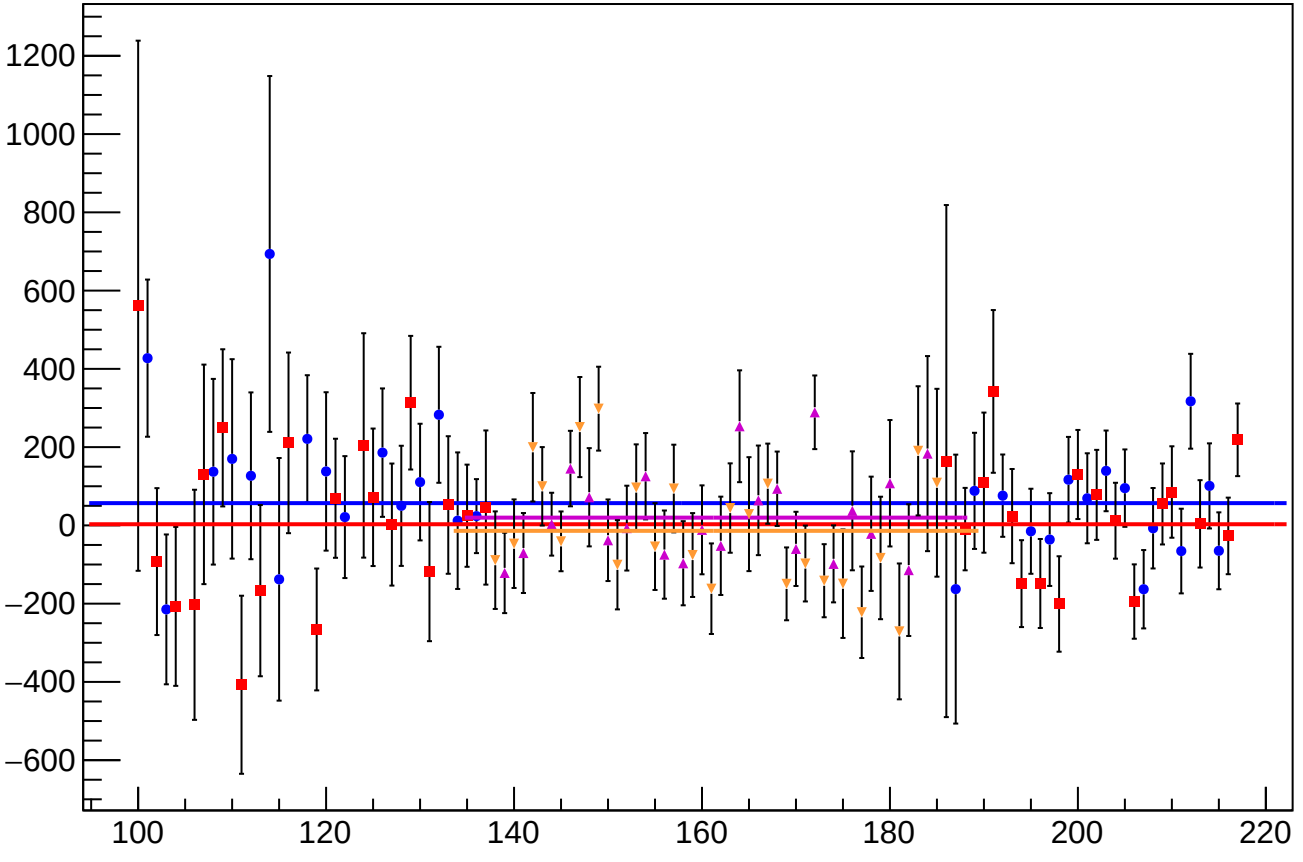
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 563.887+/-0.066 χ^2/NDF: 3099192.2/55

All: 564.929+/-0.047 χ^2/NDF: 6813057.9/114

- sign 565.977+/-0.066 χ^2/NDF: 3713360.8/58

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 56.875+/-24.114 χ^2/NDF: 27.5/30

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 2.943+/-23.607 χ^2/NDF: 38.4/35

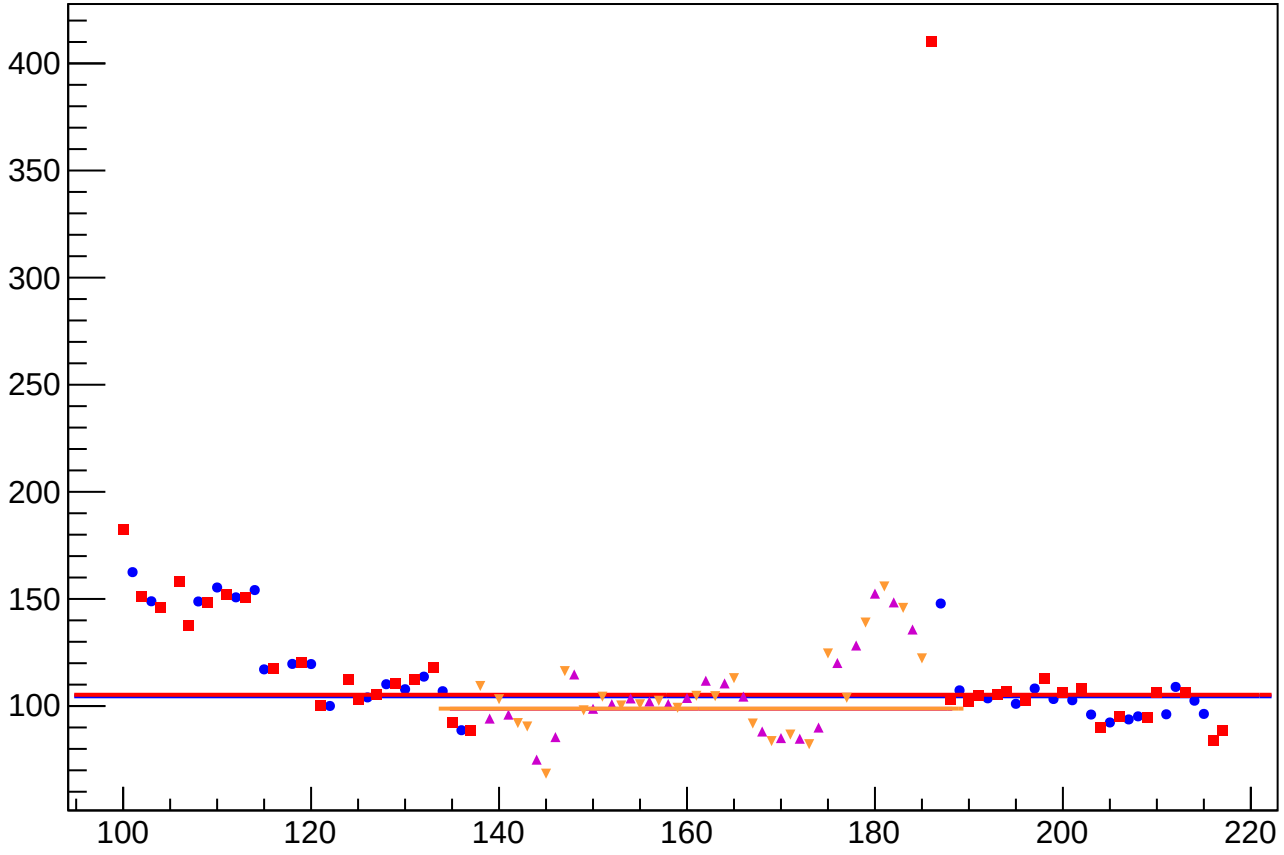
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 19.684+/-16.611 χ^2/NDF: 68.4/55

All: 15.553+/-11.770 χ^2/NDF: 130.5/114

\- sign 11.387+/-16.680 χ^2/NDF: 62.0/58

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 104.554+/-0.017 χ^2/NDF: 790592.2/30

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

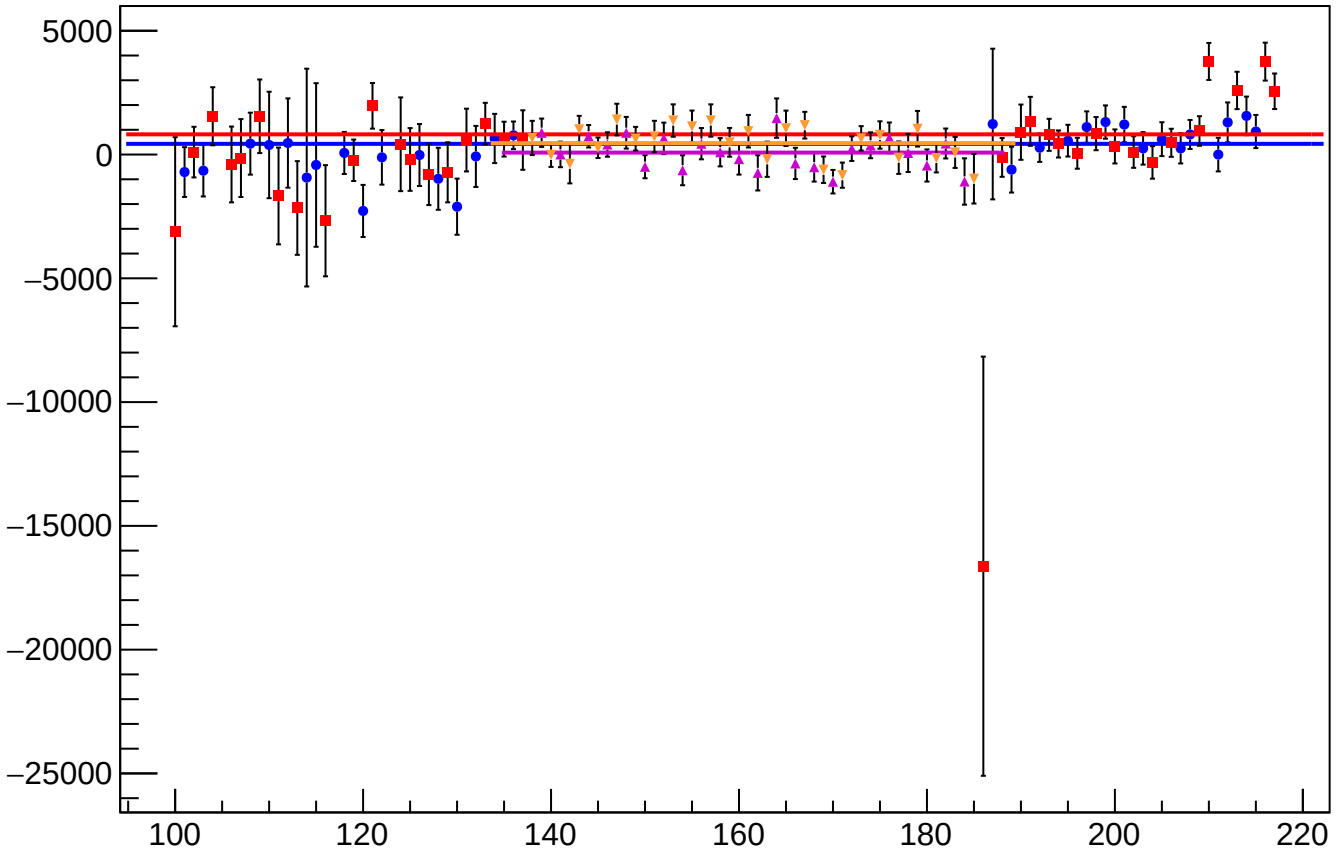
Right Out: 105.271+/-0.017 χ^2/NDF: 1355850.2/35

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.530+/-0.012 χ^2/NDF: 2036265.9/55

All: 101.748+/-0.008 χ^2/NDF: 4458863.6/114

- sign 101.967+/-0.012 χ^2/NDF: 2421907.7/58



Right In: 432.159+/-150.210 χ^2/NDF: 27.0/30

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

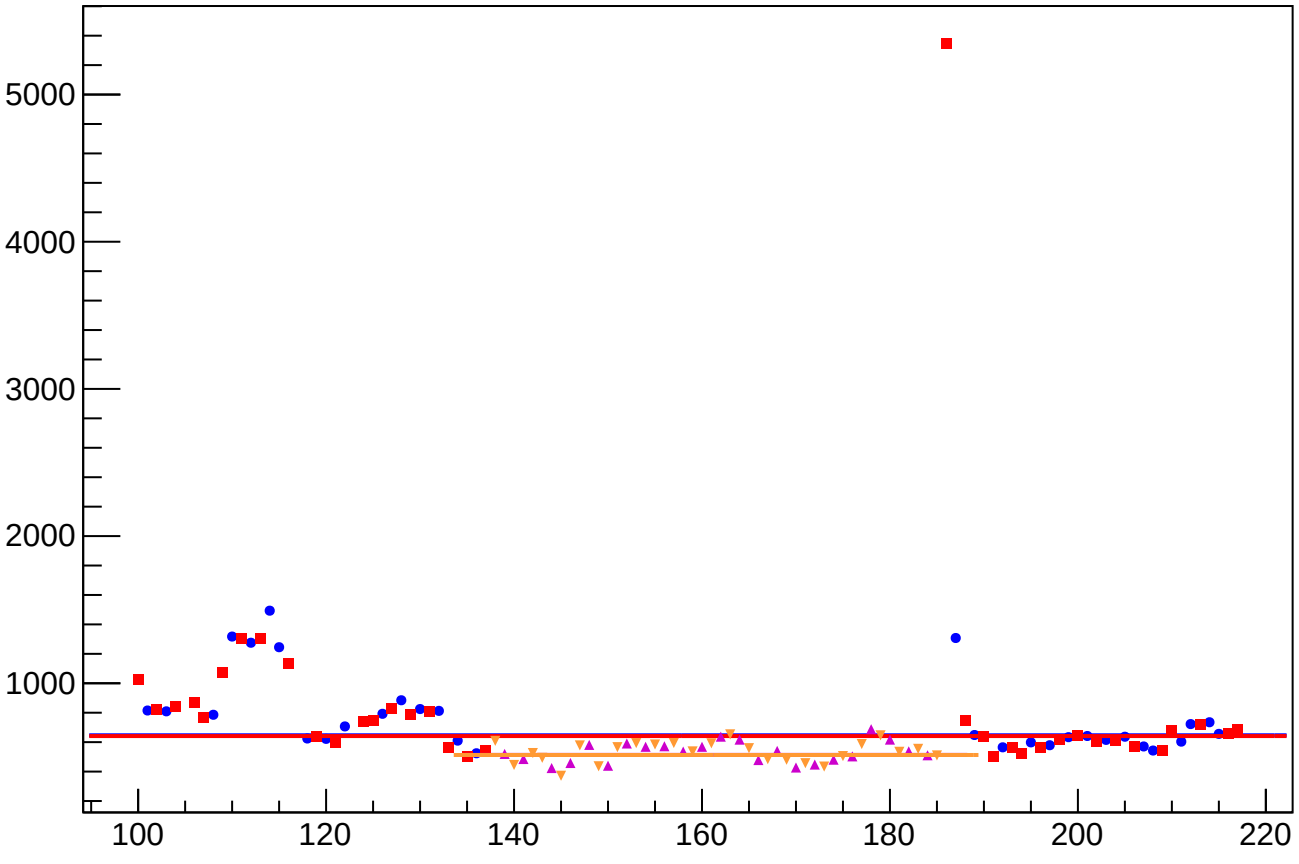
Right Out: 816.401+/-145.298 χ^2/NDF: 72.0/35

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 448.802+/-92.846 χ^2/NDF: 57.8/55

All: 415.587+/-65.769 χ^2/NDF: 171.4/114

- sign 382.134+/-93.178 χ^2/NDF: 113.4/58



Right In: 646.566+/-0.106 χ^2/NDF: 1319377.6/30

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 641.282+/-0.103 χ^2/NDF: 2166844.9/35

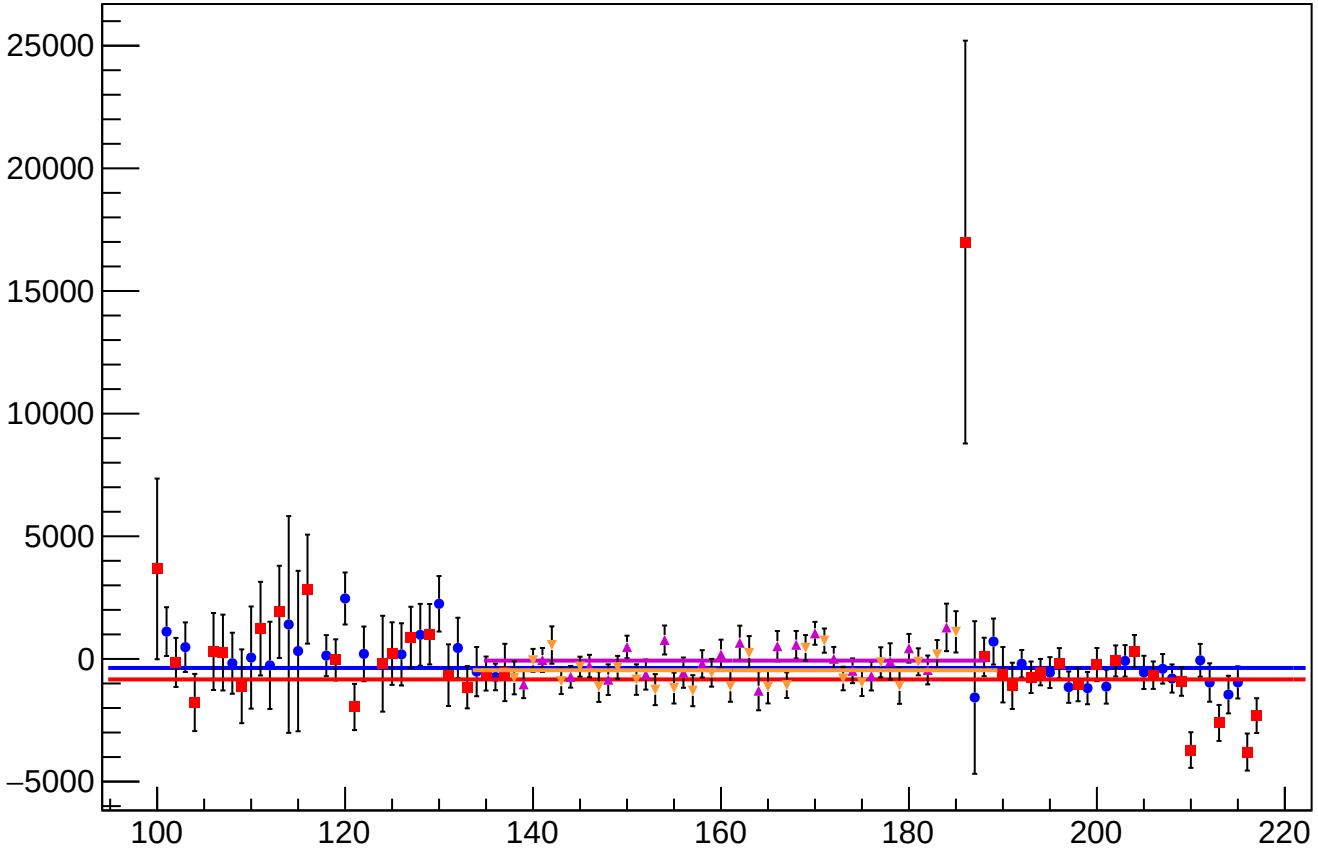
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 563.887+/-0.066 χ^2/NDF: 3099181.2/55

All: 564.928+/-0.047 χ^2/NDF: 6813030.9/114

- sign 565.977+/-0.066 χ^2/NDF: 3713344.8/58

asym_sam_26_48_dd_mean vs Slug



Right In: -367.613+/-148.076 χ^2/NDF: 28.9/30

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -834.115+/-143.976 χ^2/NDF: 71.8/35

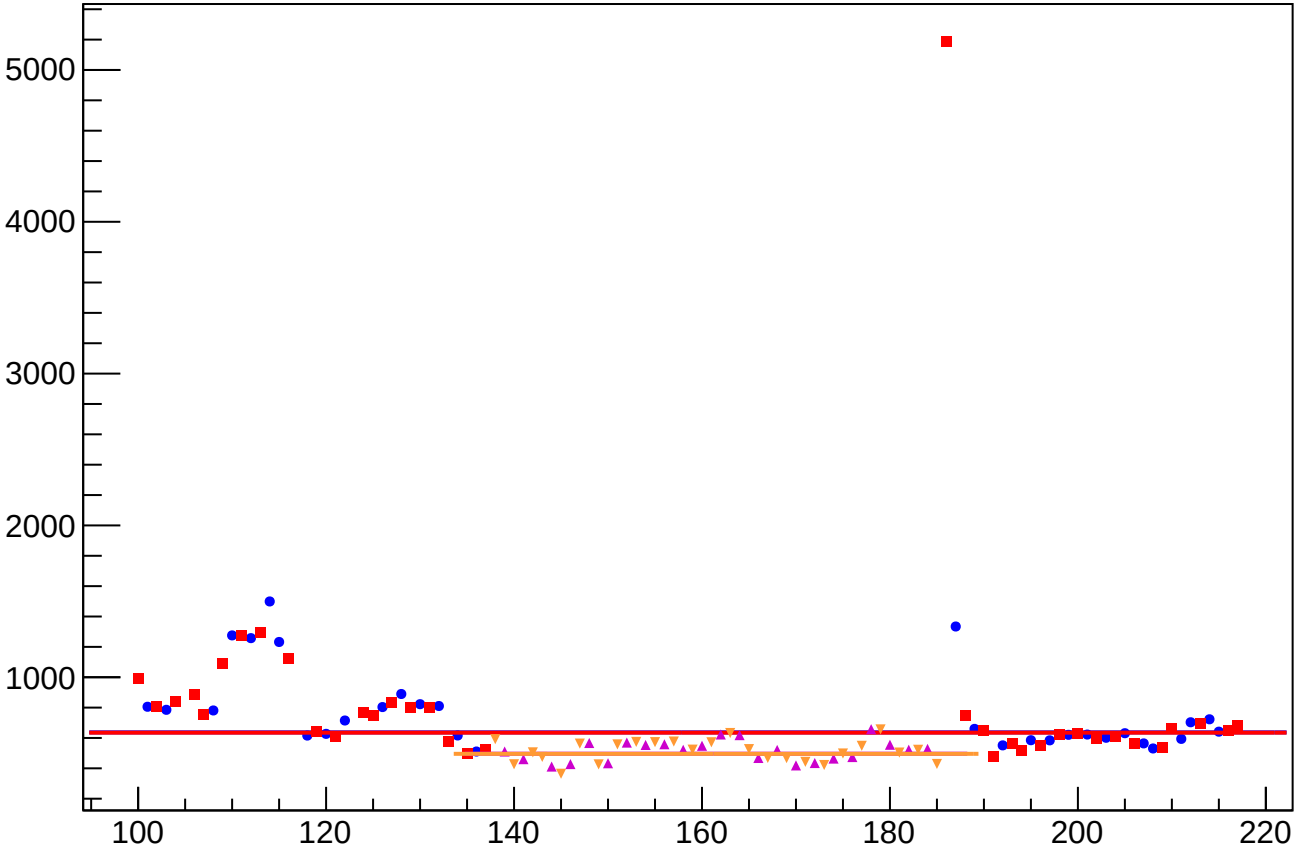
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -425.445+/-90.447 χ^2/NDF: 60.0/55

All: -399.810+/-64.140 χ^2/NDF: 177.6/114

- sign -373.878+/-90.970 χ^2/NDF: 117.4/58

asym_sam_26_48_dd_rms vs Slug



Right In: 636.864+/-0.105 χ^2/NDF: 1359710.8/30

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

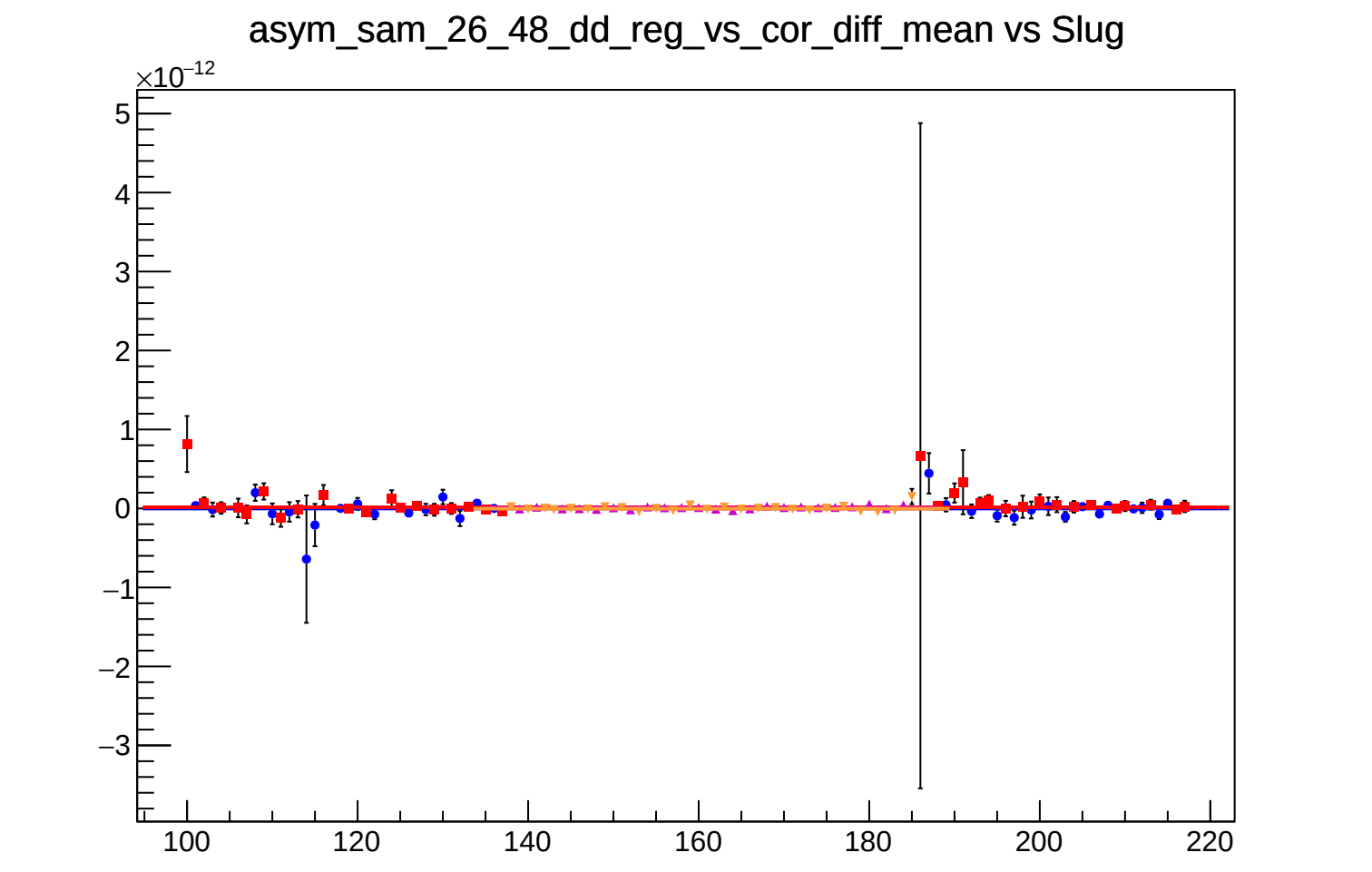
Right Out: 634.922+/-0.102 χ^2/NDF: 2210712.9/35

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 548.251+/-0.064 χ^2/NDF: 3306874.2/55

All: 549.939+/-0.045 χ^2/NDF: 7255081.0/114

- sign 551.646+/-0.064 χ^2/NDF: 3946805.8/58



Right In: -0.000+/-0.000 χ^2/NDF: 32.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

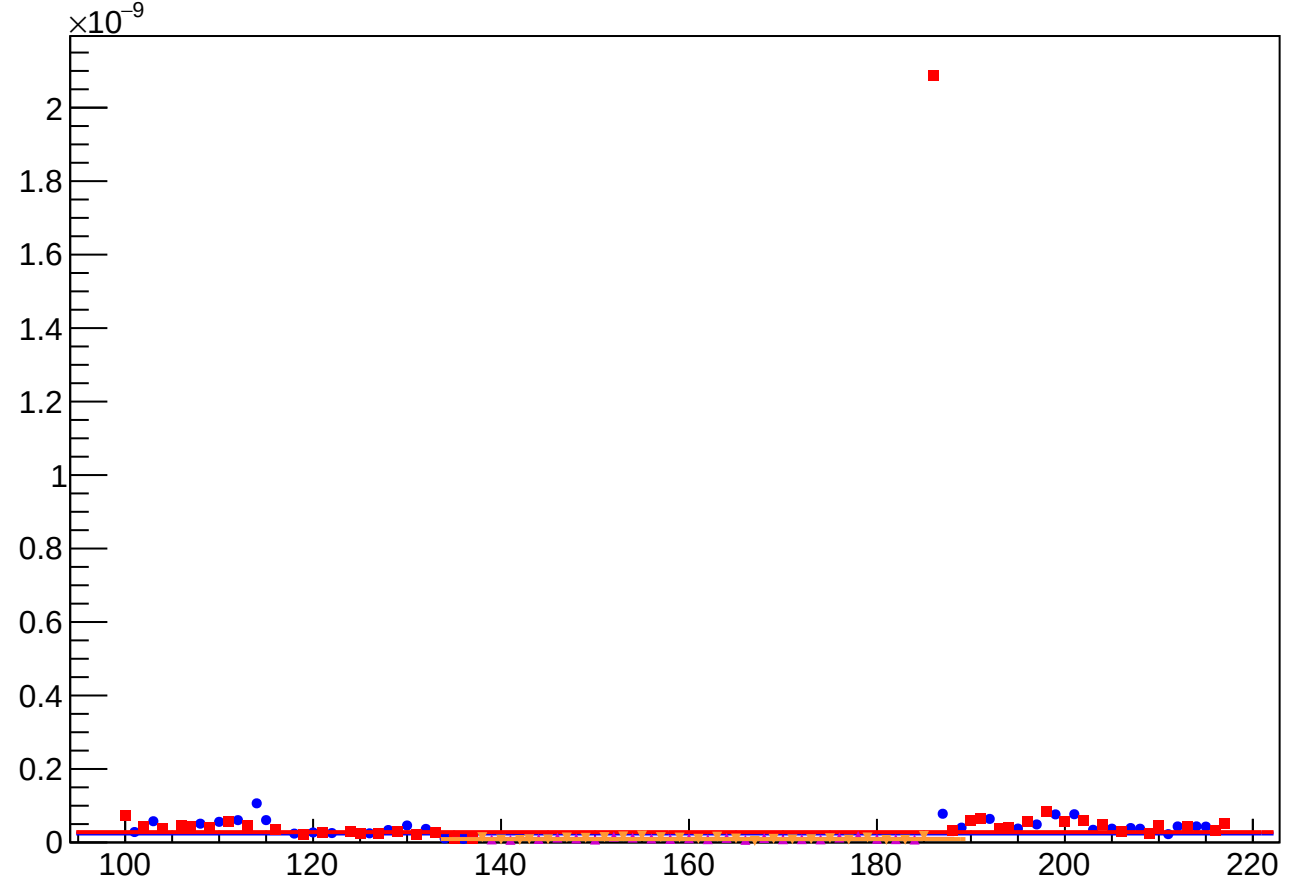
Right Out: 0.000+/-0.000 χ^2/NDF: 26.8/35

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.9/55

All: 0.000+/-0.000 χ^2/NDF: 105.4/114

- sign 0.000+/-0.000 χ^2/NDF: 42.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 5874451.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4640110.2/35

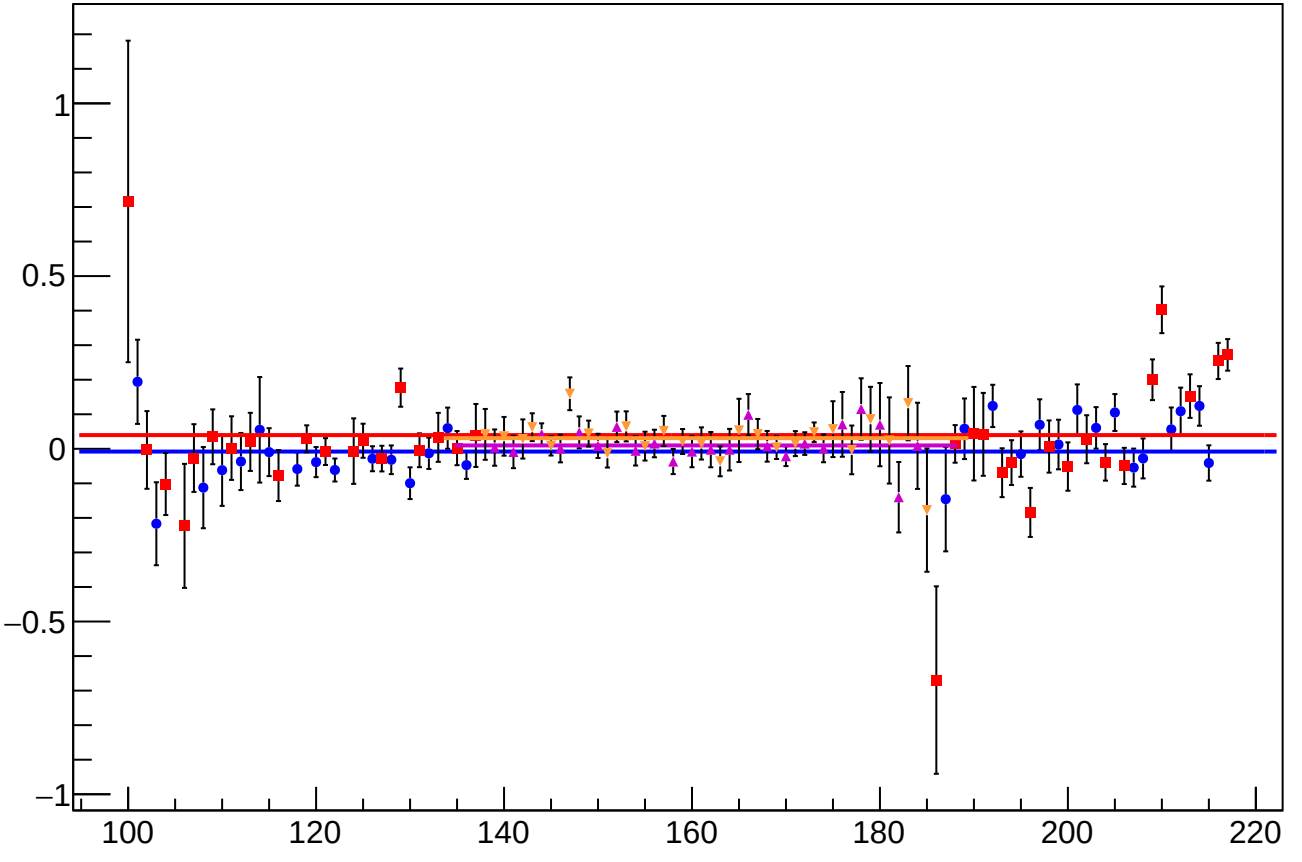
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12147820.2/55

All: 0.000+/-0.000 χ^2/NDF: 23062470.2/114

- sign 0.000+/-0.000 χ^2/NDF: 10848461.4/58

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

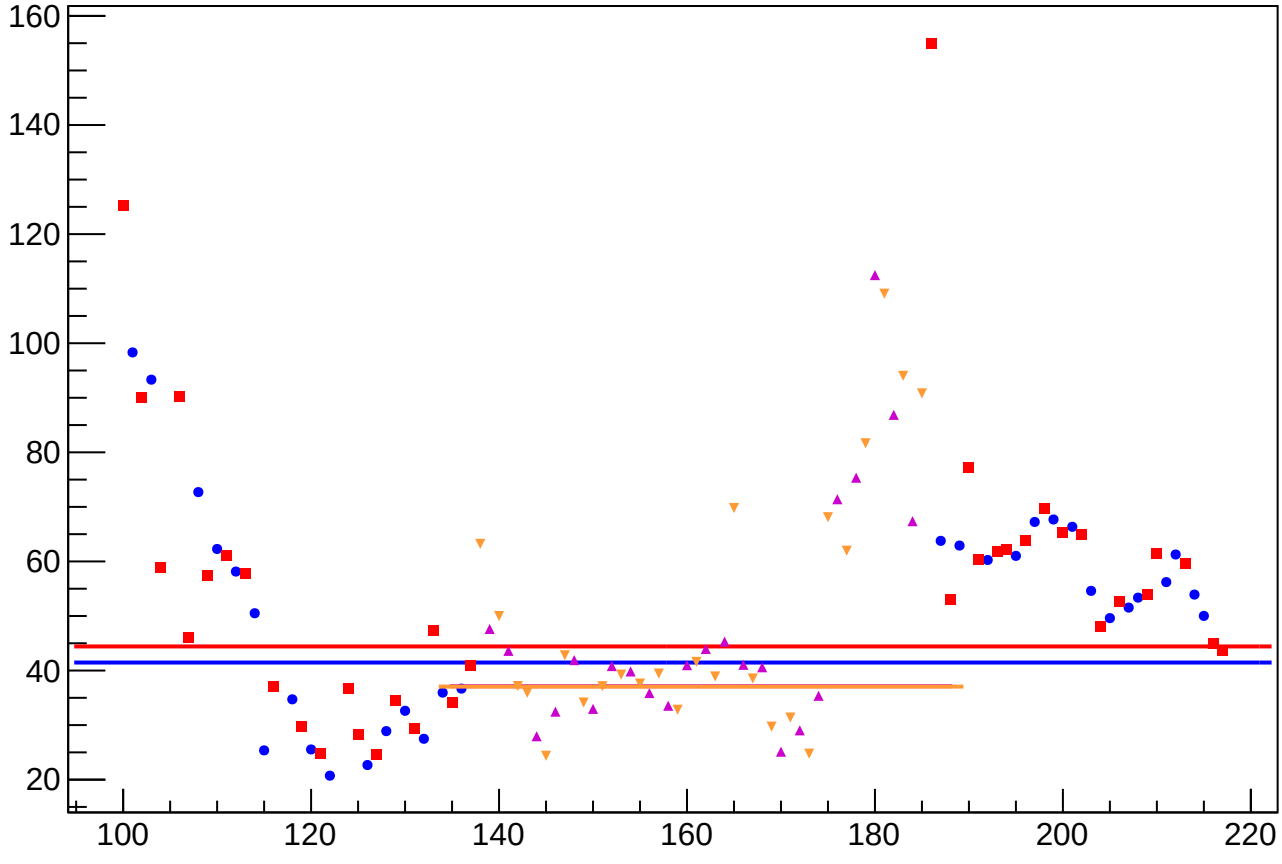
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.014+/-0.007 χ^2/NDF: 70.2/55

All: 0.018+/-0.005 χ^2/NDF: 221.6/114

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.467+/-0.007 χ^2/NDF: 5328505.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

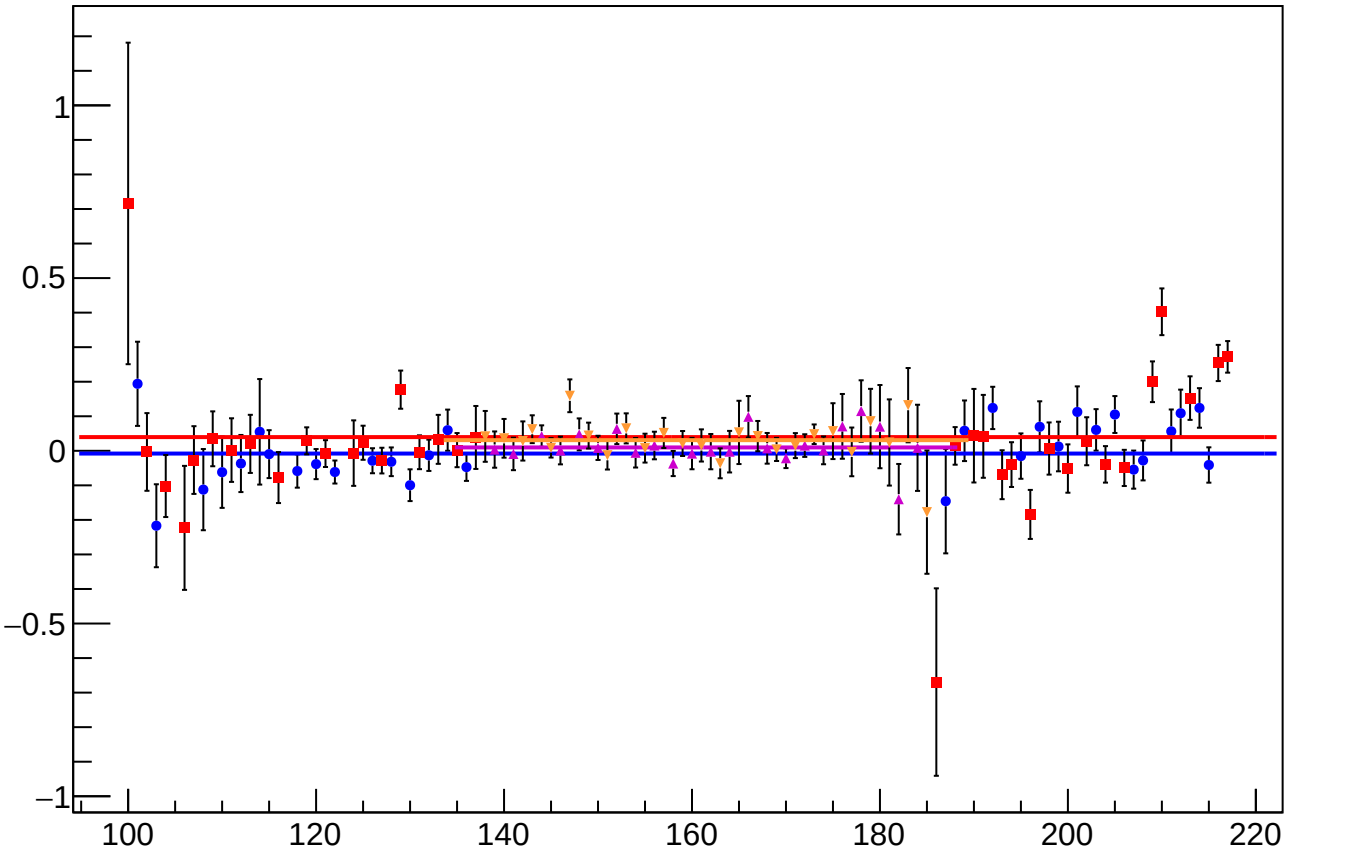
Right Out: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

\+ sign 38.995+/-0.005 χ^2/NDF: 9587432.7/55

All: 39.655+/-0.003 χ^2/NDF: 17759995.3/114

\- sign 40.348+/-0.005 χ^2/NDF: 8134347.2/58



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

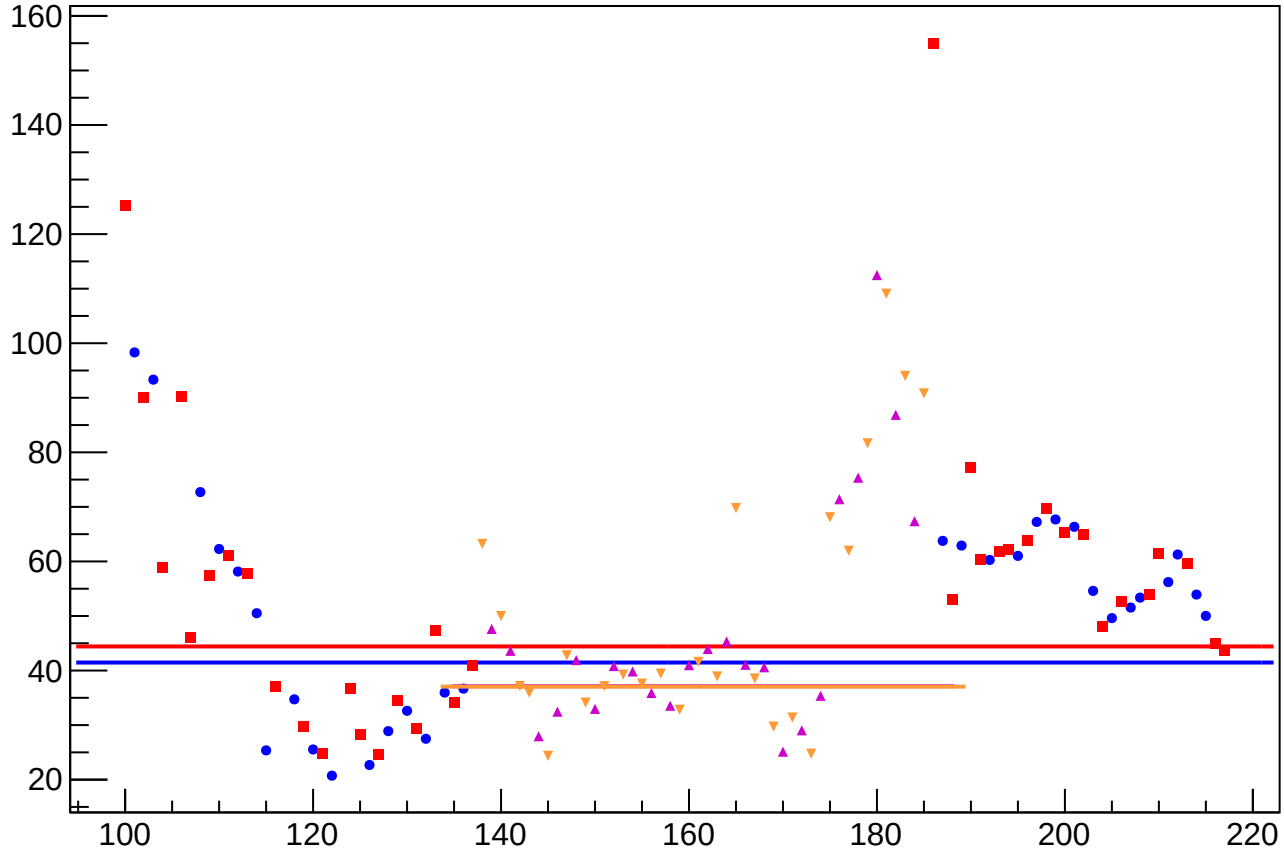
Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.014+/-0.007 χ^2/NDF: 70.2/55

All: 0.018+/-0.005 χ^2/NDF: 221.6/114

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58



Right In: 41.467+/-0.007 χ^2/NDF: 5328505.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

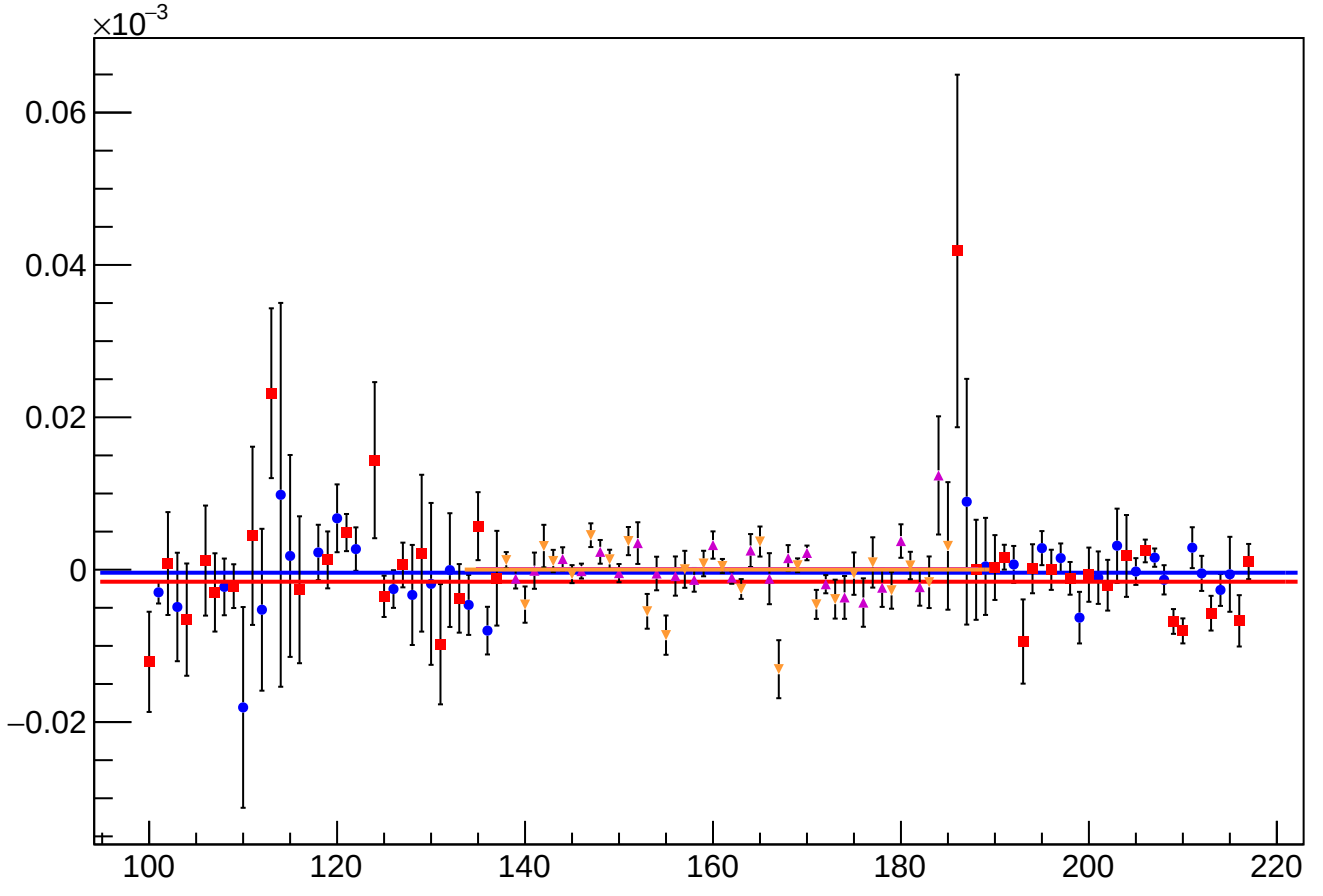
Right Out: 44.418+/-0.007 χ^2/NDF: 4587205.1/35

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.995+/-0.005 χ^2/NDF: 9587432.7/55

All: 39.655+/-0.003 χ^2/NDF: 17759995.3/114

- sign 40.348+/-0.005 χ^2/NDF: 8134347.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

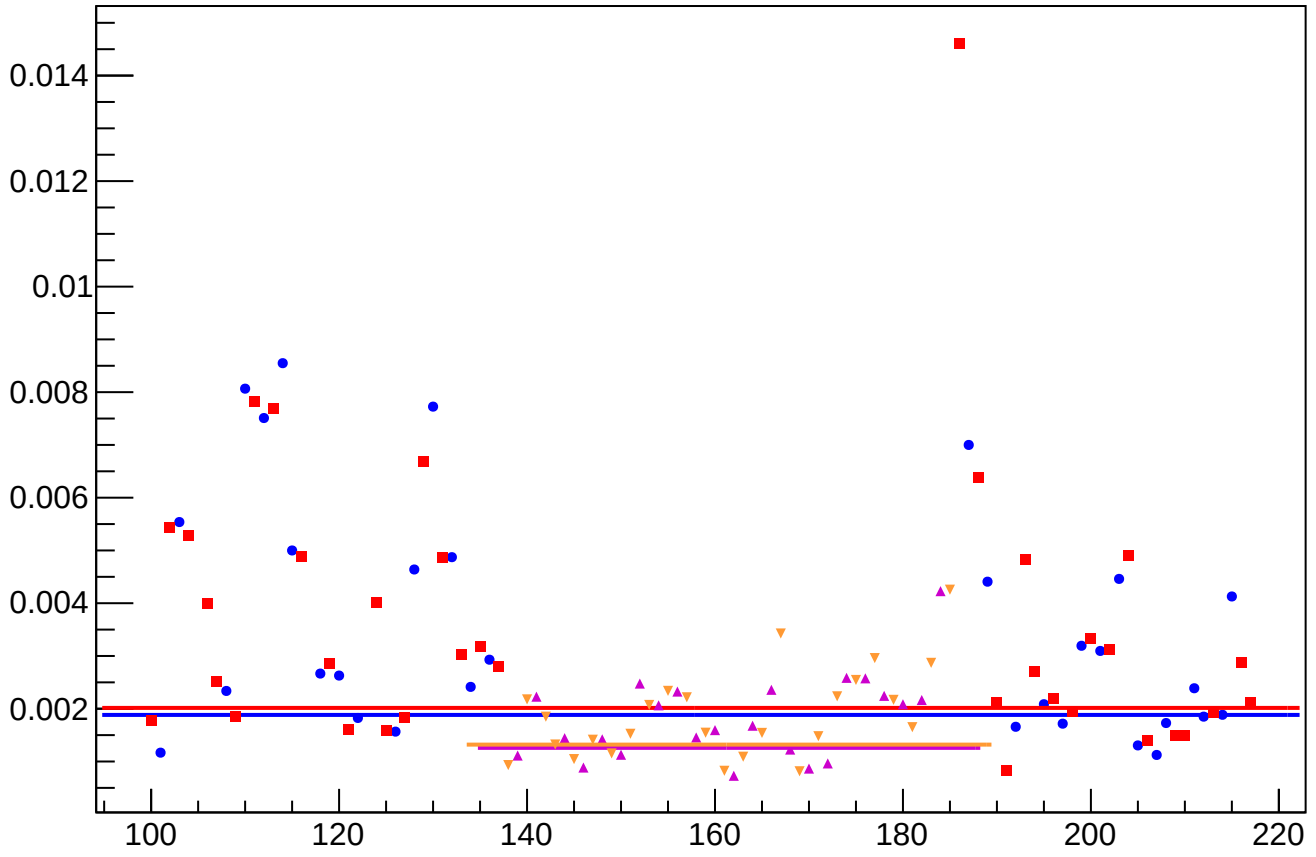
Right Out: -0.000+/-0.000 χ^2/NDF: 74.7/35

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.2/55

All: -0.000+/-0.000 χ^2/NDF: 214.0/114

- sign -0.000+/-0.000 χ^2/NDF: 114.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 7196016.6/30

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

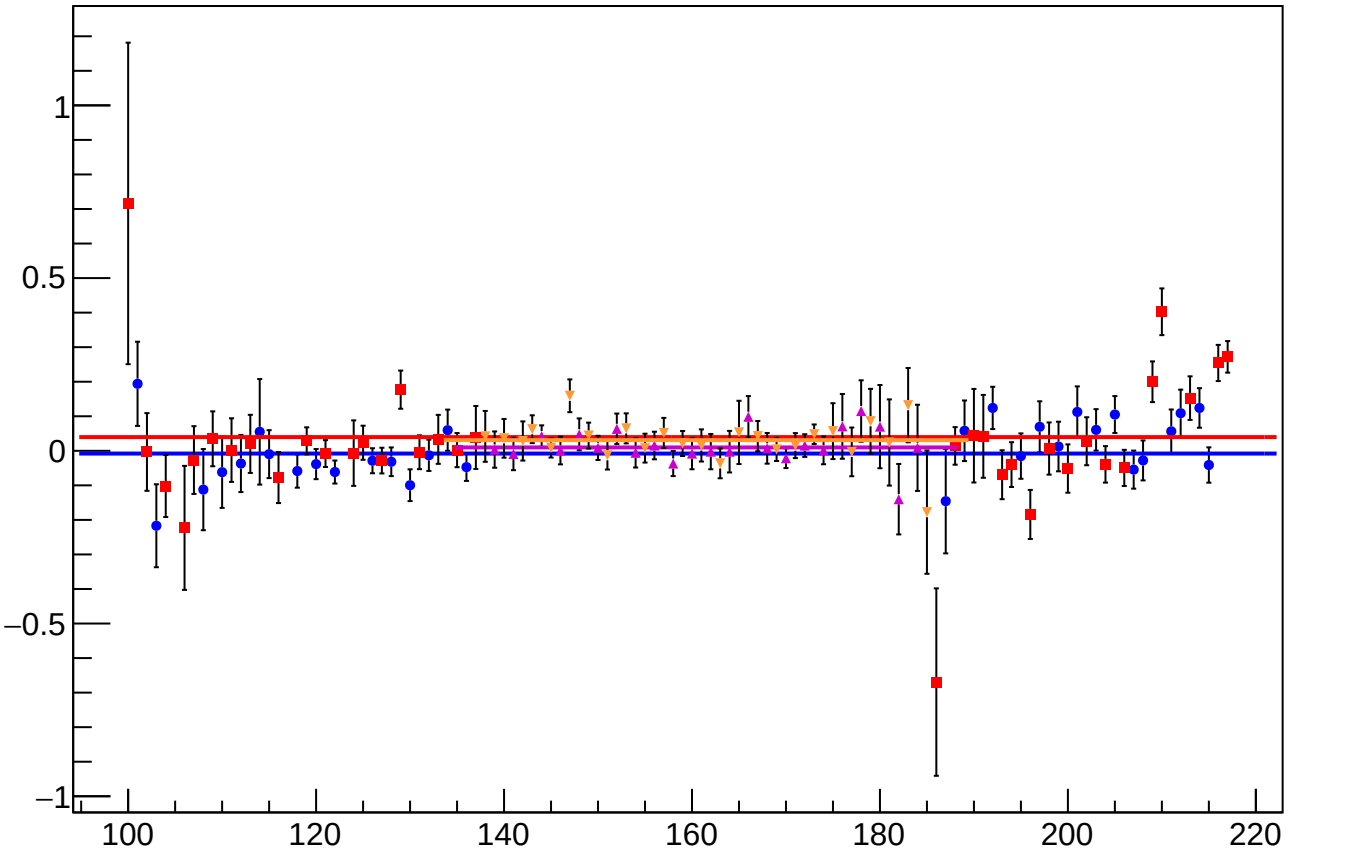
Right Out: 0.002+/-0.000 χ^2/NDF: 8644101.6/35

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 14581873.5/55

All: 0.001+/-0.000 χ^2/NDF: 31655088.9/114

- sign 0.001+/-0.000 χ^2/NDF: 17070158.0/58



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

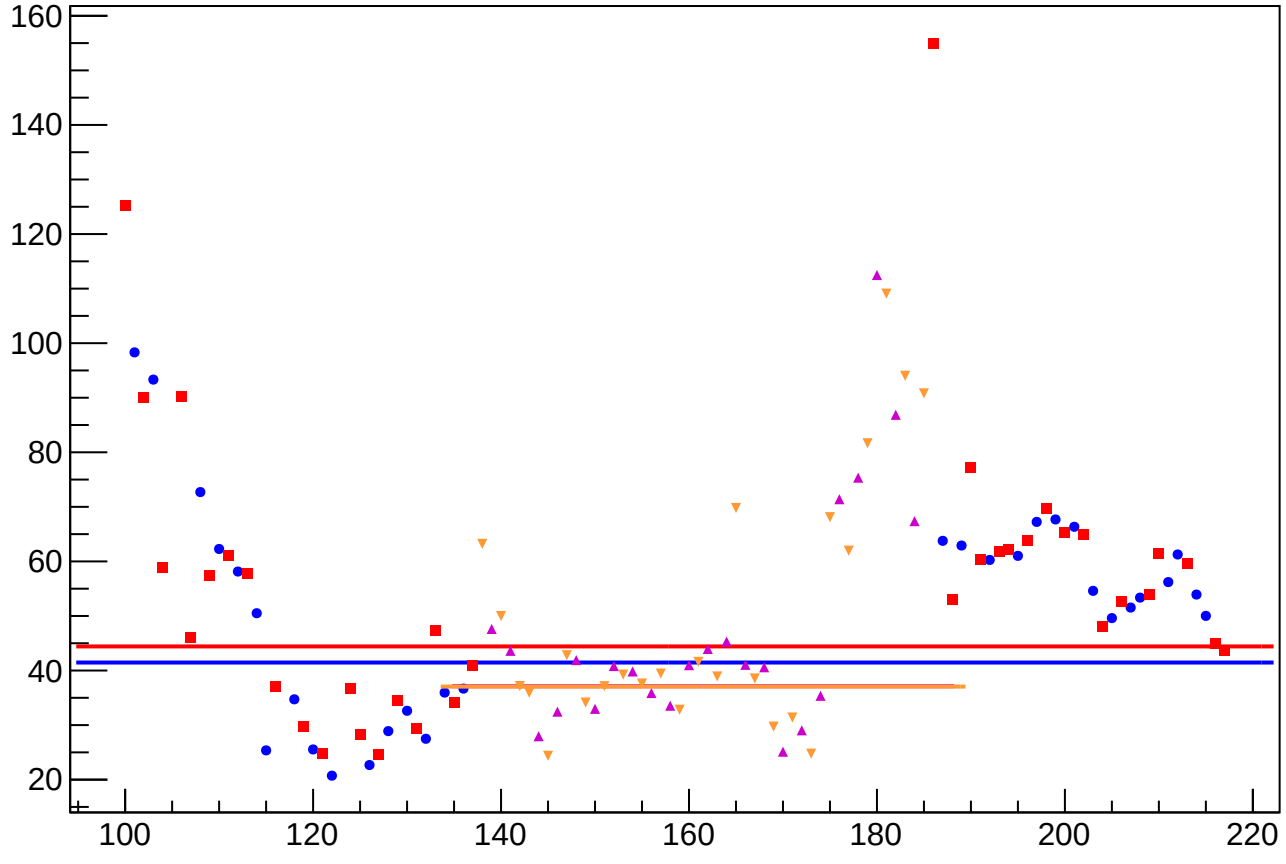
Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.014+/-0.007 χ^2/NDF: 70.2/55

All: 0.018+/-0.005 χ^2/NDF: 221.6/114

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58



Right In: 41.467+/-0.007 χ^2/NDF: 5328372.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

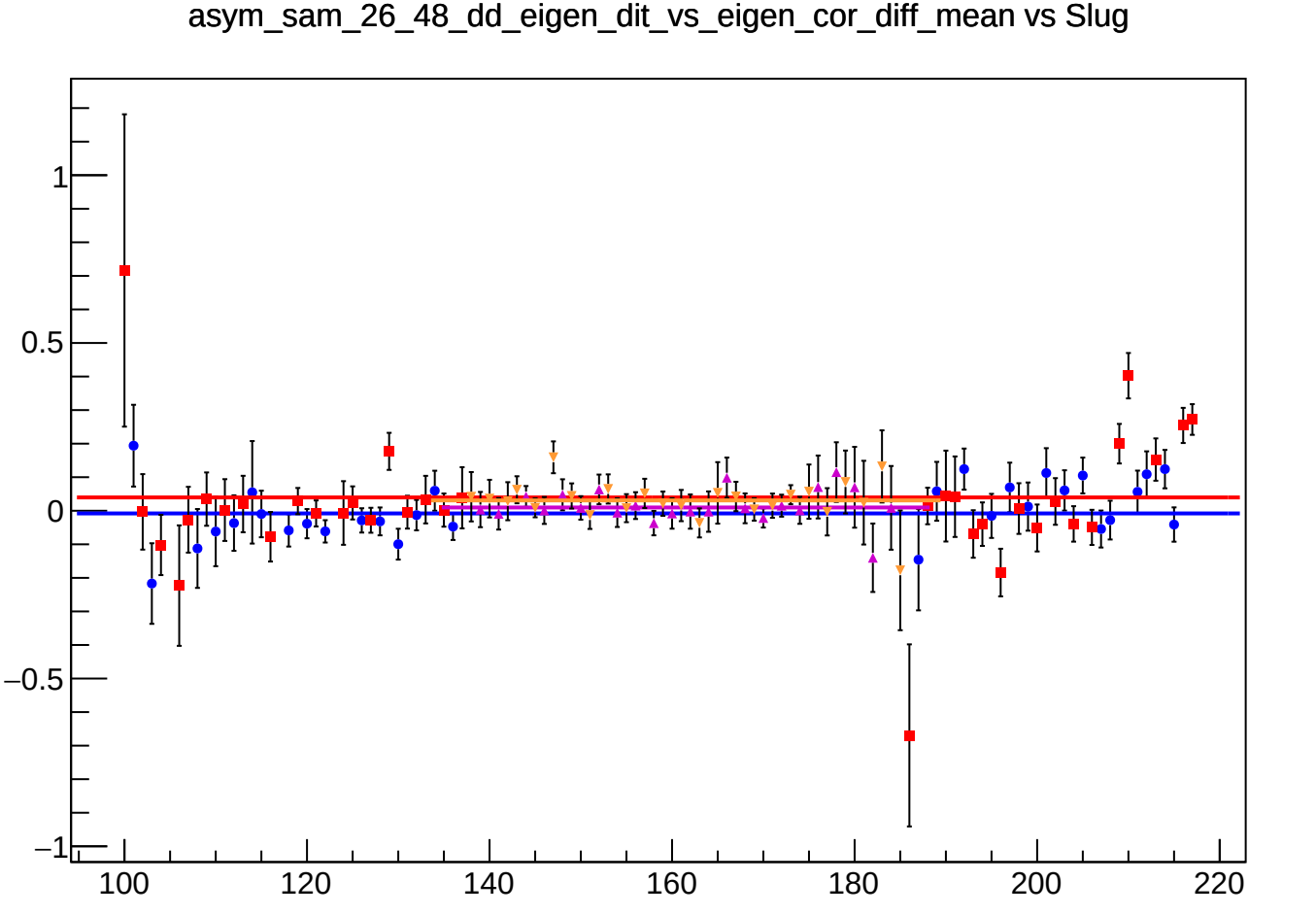
Right Out: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.995+/-0.005 χ^2/NDF: 9587339.1/55

All: 39.655+/-0.003 χ^2/NDF: 17759710.4/114

- sign 40.348+/-0.005 χ^2/NDF: 8134156.1/58



Right In: -0.008+/-0.010 χ^2/NDF: 44.4/30

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

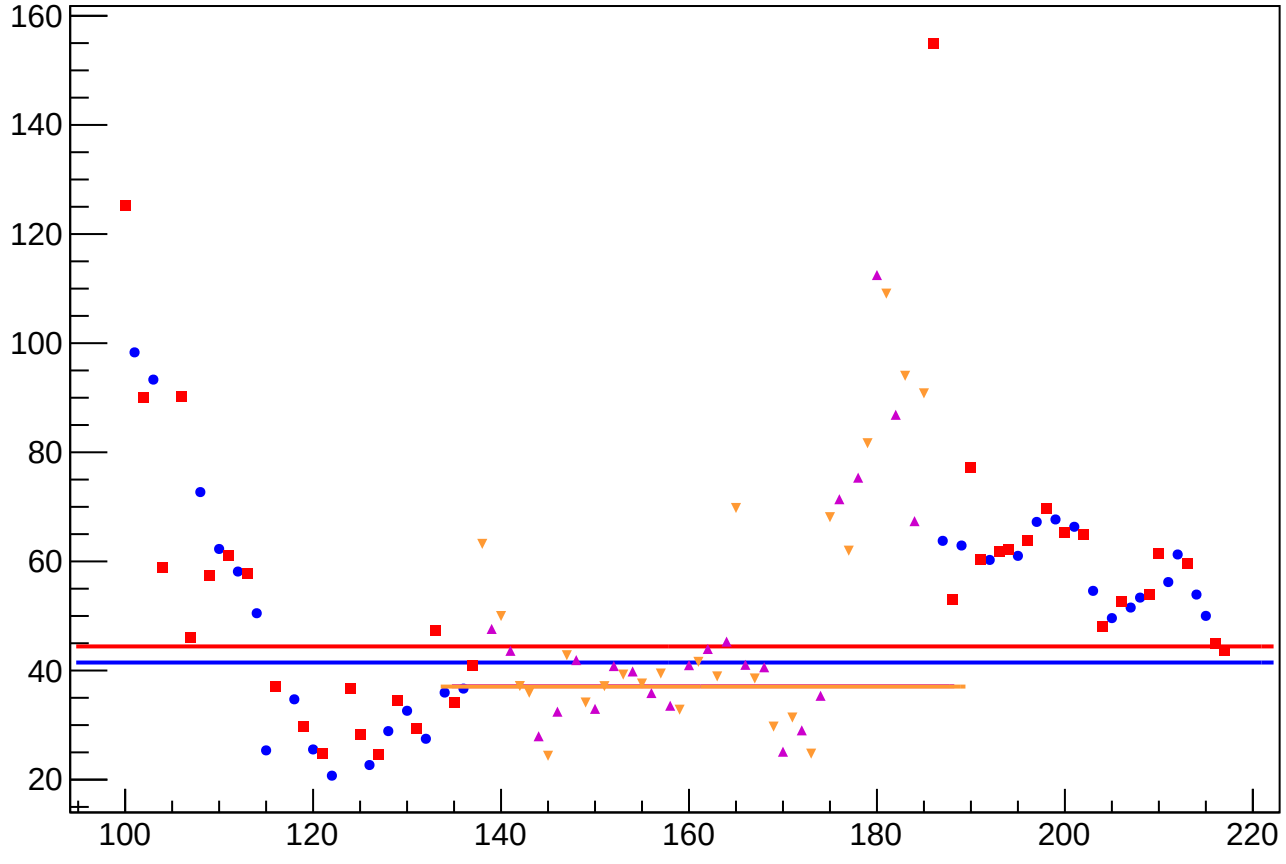
Right Out: 0.040+/-0.011 χ^2/NDF: 132.8/35

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.014+/-0.007 χ^2/NDF: 70.2/55

All: 0.018+/-0.005 χ^2/NDF: 221.6/114

- sign 0.023+/-0.007 χ^2/NDF: 150.6/58



Right In: 41.467+/-0.007 χ^2/NDF: 5328372.3/30

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

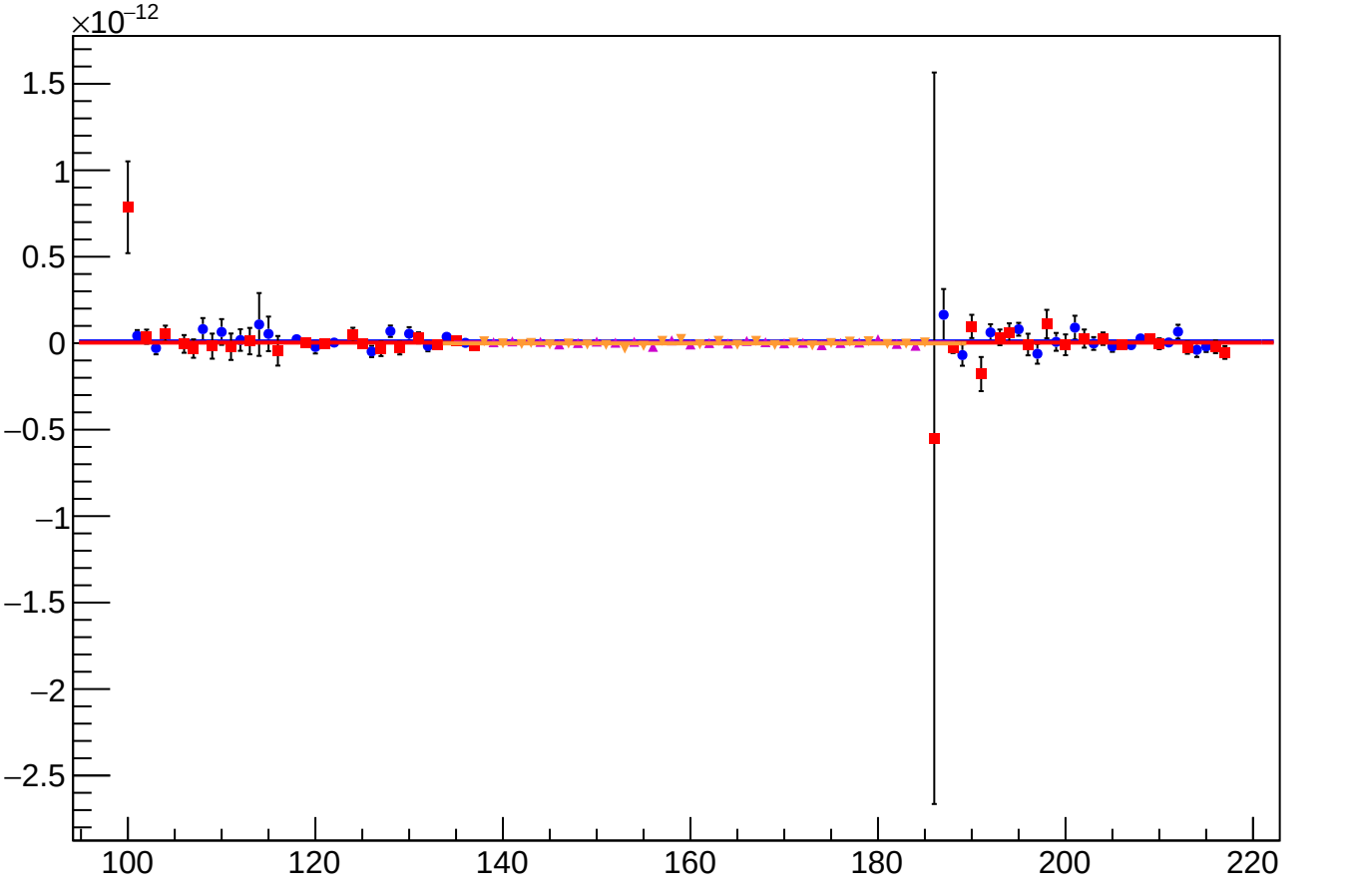
Right Out: 44.418+/-0.007 χ^2/NDF: 4586986.4/35

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.995+/-0.005 χ^2/NDF: 9587339.1/55

All: 39.655+/-0.003 χ^2/NDF: 17759710.4/114

- sign 40.348+/-0.005 χ^2/NDF: 8134156.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

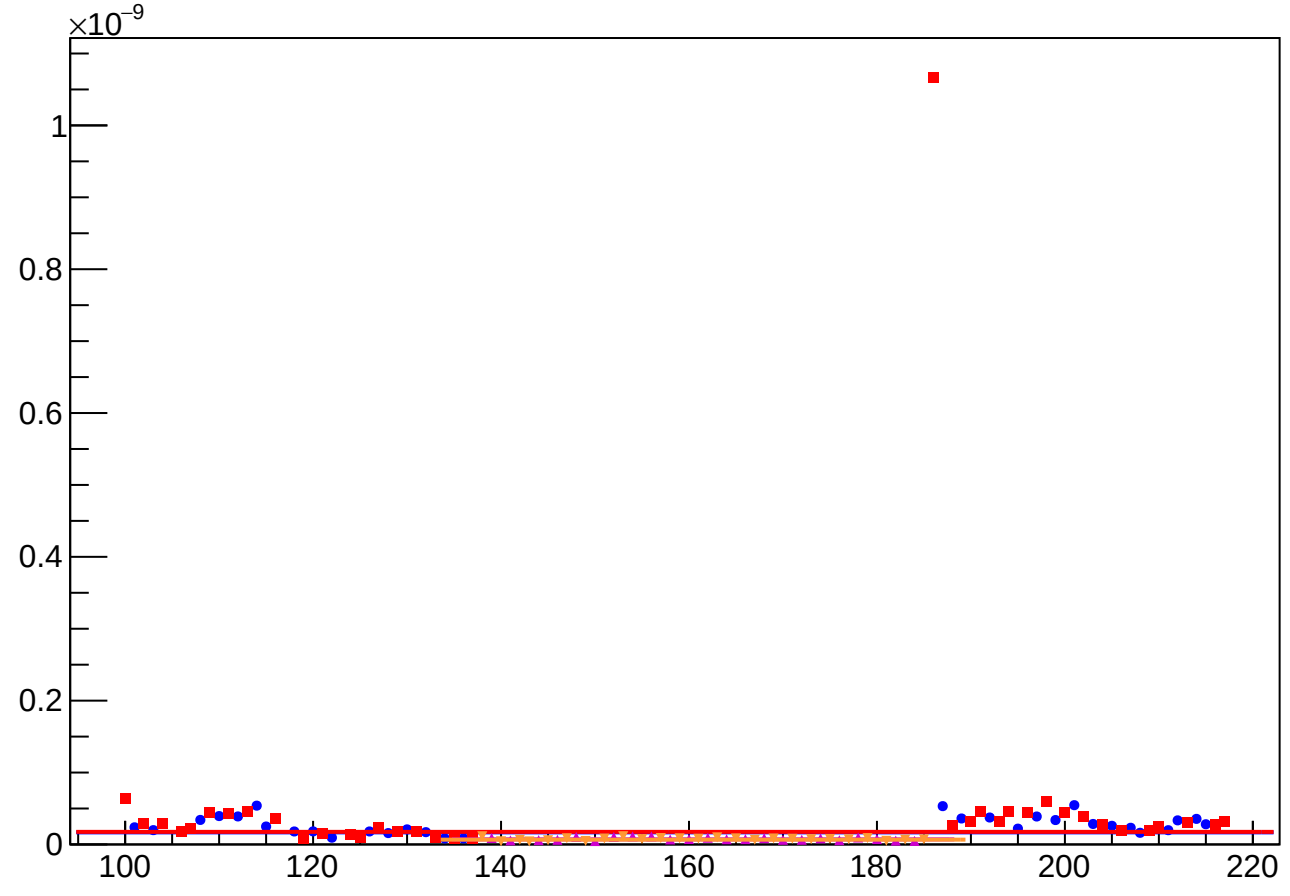
Right Out: 0.000+/-0.000 χ^2/NDF: 32.3/35

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/55

All: 0.000+/-0.000 χ^2/NDF: 118.5/114

- sign 0.000+/-0.000 χ^2/NDF: 52.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 6390431.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8116091.3/35

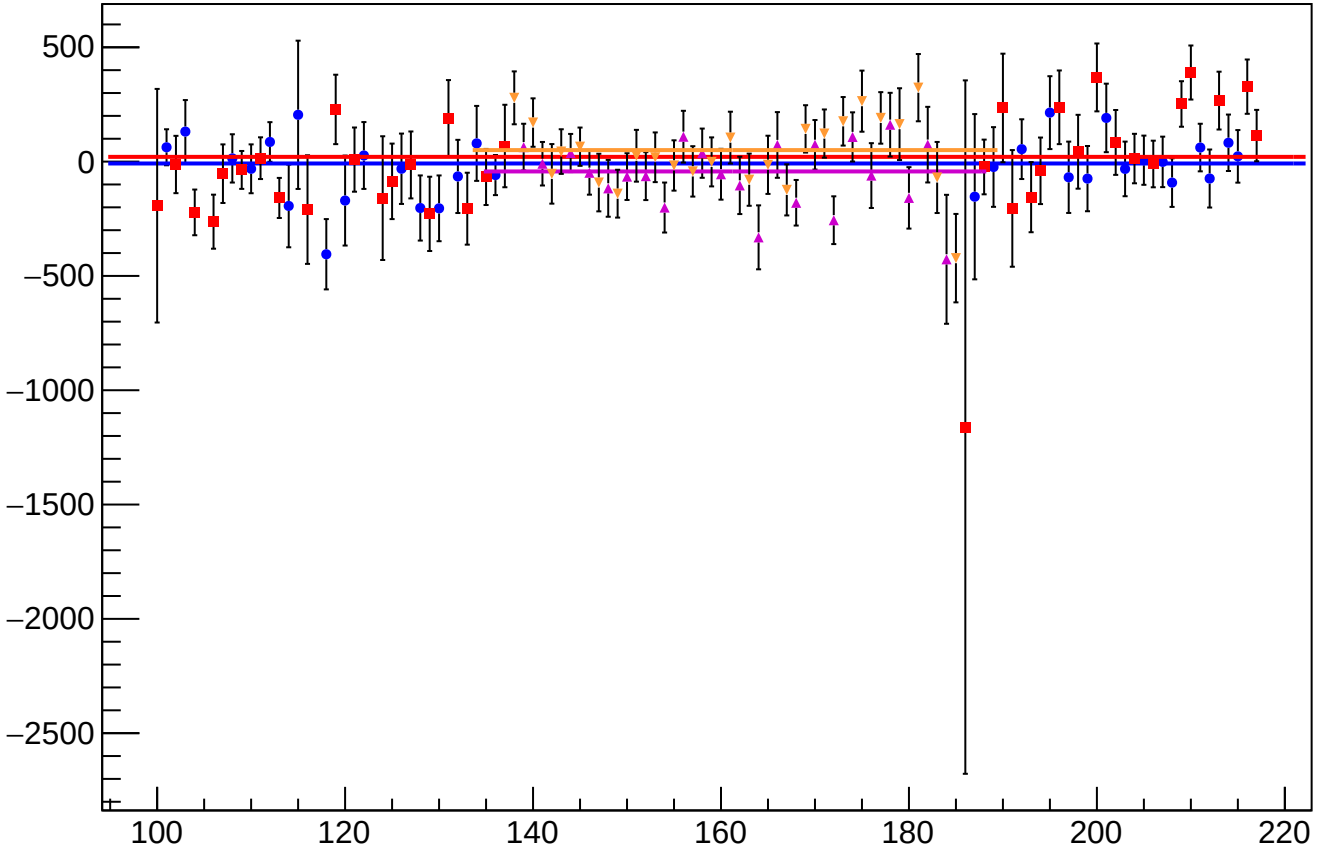
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14746287.7/55

All: 0.000+/-0.000 χ^2/NDF: 30756213.5/114

- sign 0.000+/-0.000 χ^2/NDF: 15923988.9/58

reg_asym_sam_1548_avg_mean vs Slug



Right In: -8.190+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 20.745+/-22.098 χ^2/NDF: 64.4/35

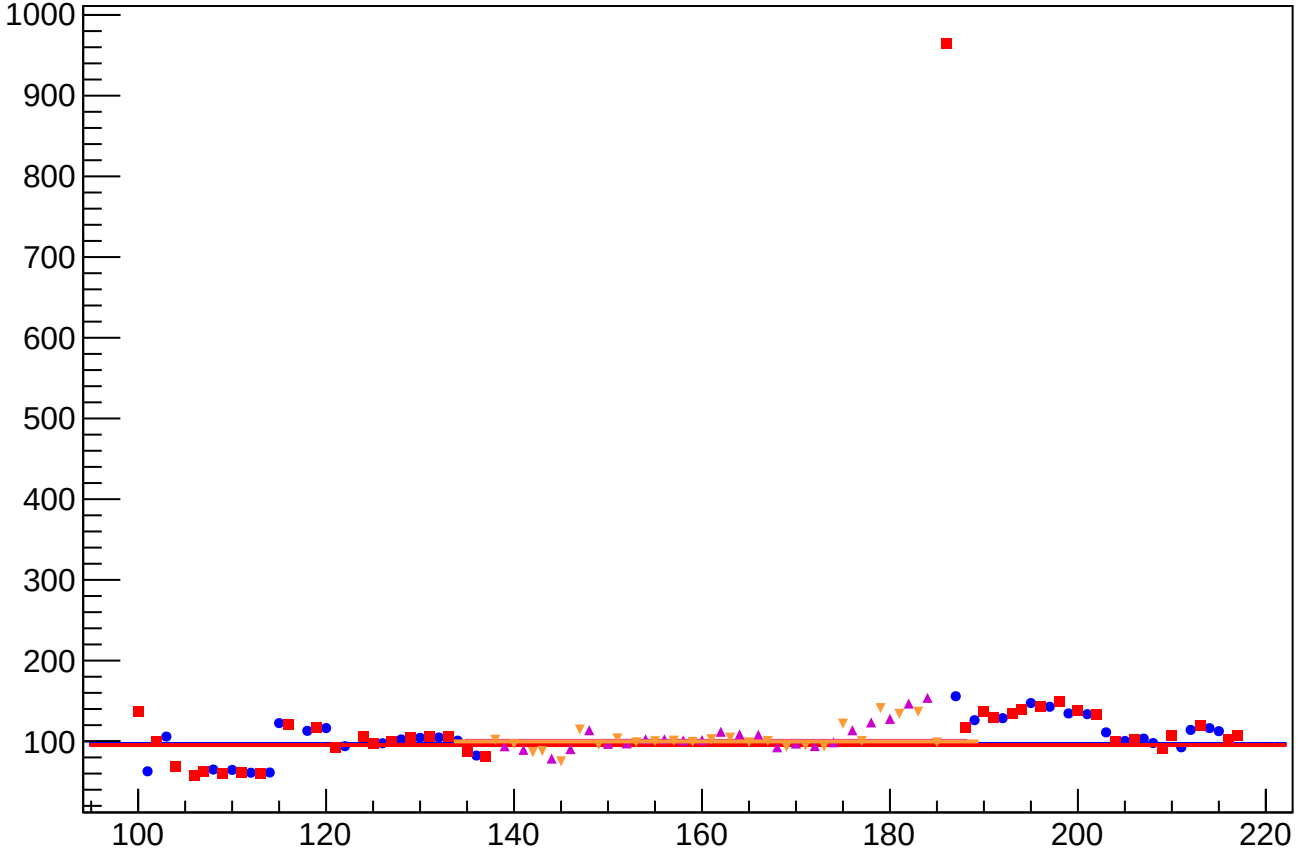
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.879+/-16.183 χ^2/NDF: 59.7/55

All: 6.020+/-11.442 χ^2/NDF: 156.3/114

- sign -8.835+/-16.181 χ^2/NDF: 94.9/58

reg_asym_sam_1548_avg_rms vs Slug



Right In: 96.675+/-0.016 χ^2/NDF: 2316713.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

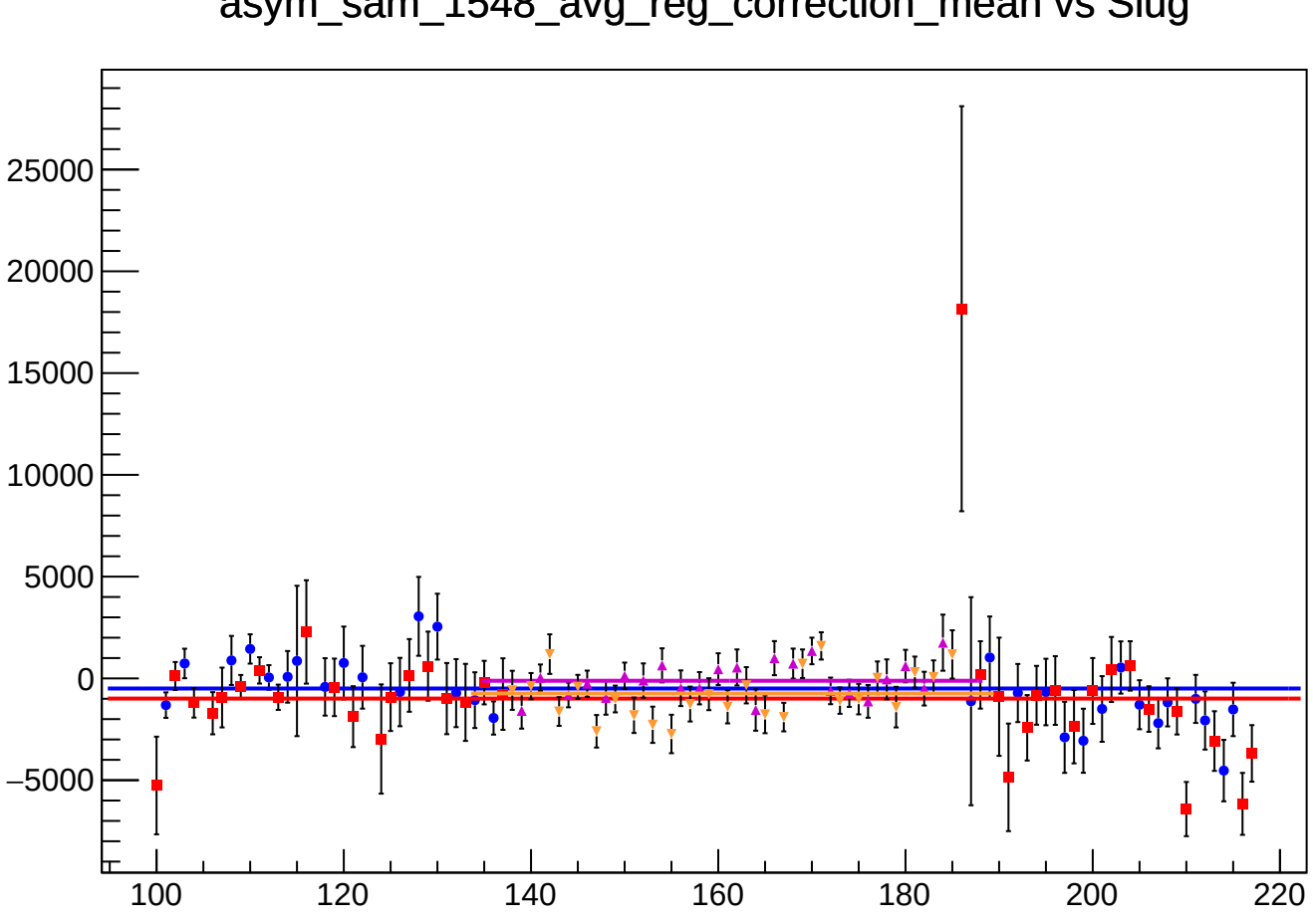
Right Out: 95.386+/-0.016 χ^2/NDF: 3568531.2/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.247+/-0.011 χ^2/NDF: 3033591.1/55

All: 98.002+/-0.008 χ^2/NDF: 7309521.4/114

- sign 97.757+/-0.011 χ^2/NDF: 4275014.5/58



Right In: -496.315+/-211.759 χ^2/NDF: 43.2/30

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -990.184+/-200.957 χ^2/NDF: 61.4/35

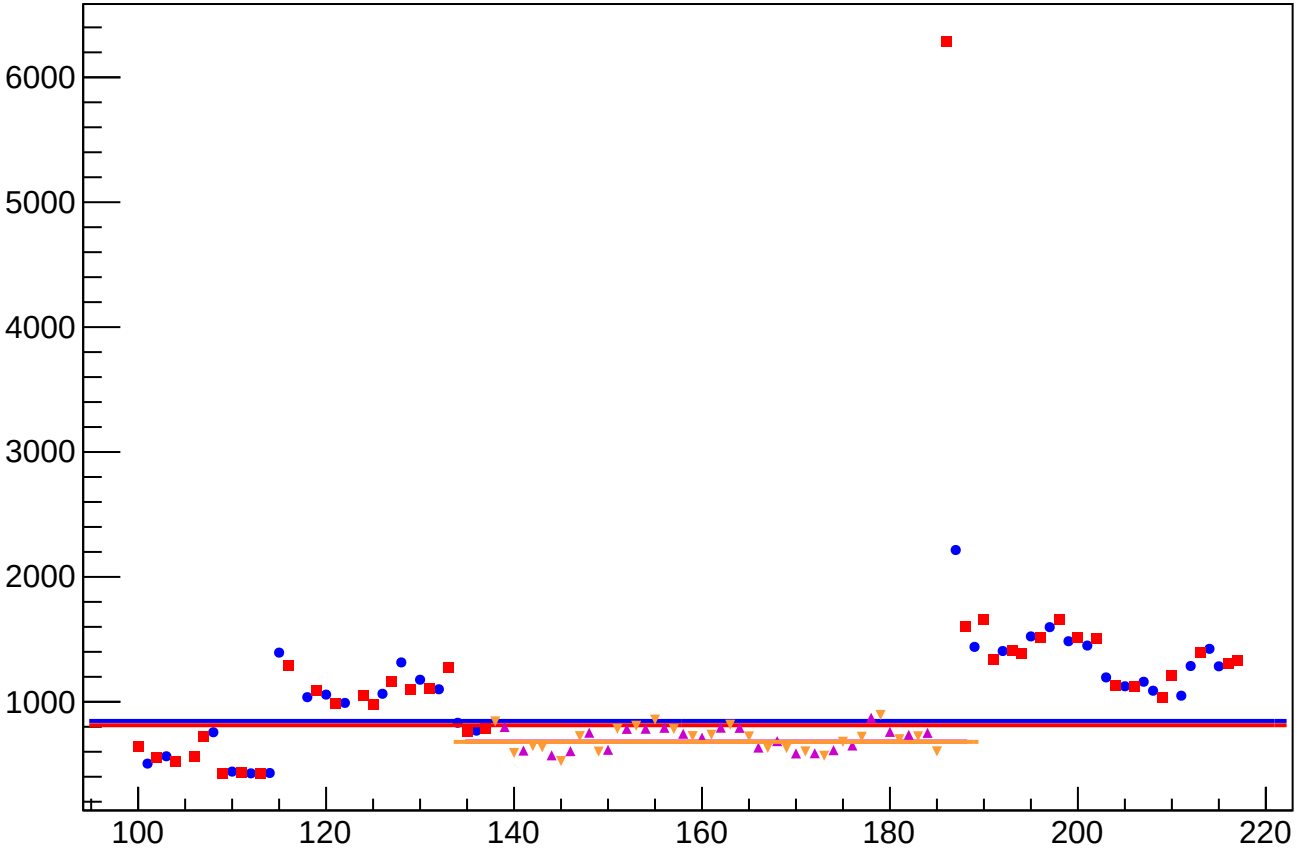
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -652.994+/-125.760 χ^2/NDF: 93.7/55

All: -555.159+/-88.885 χ^2/NDF: 191.5/114

- sign -457.505+/-125.644 χ^2/NDF: 96.6/58

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 846.959+/-0.150 χ^2/NDF: 6326808.4/30

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 812.365+/-0.142 χ^2/NDF: 8412879.3/35

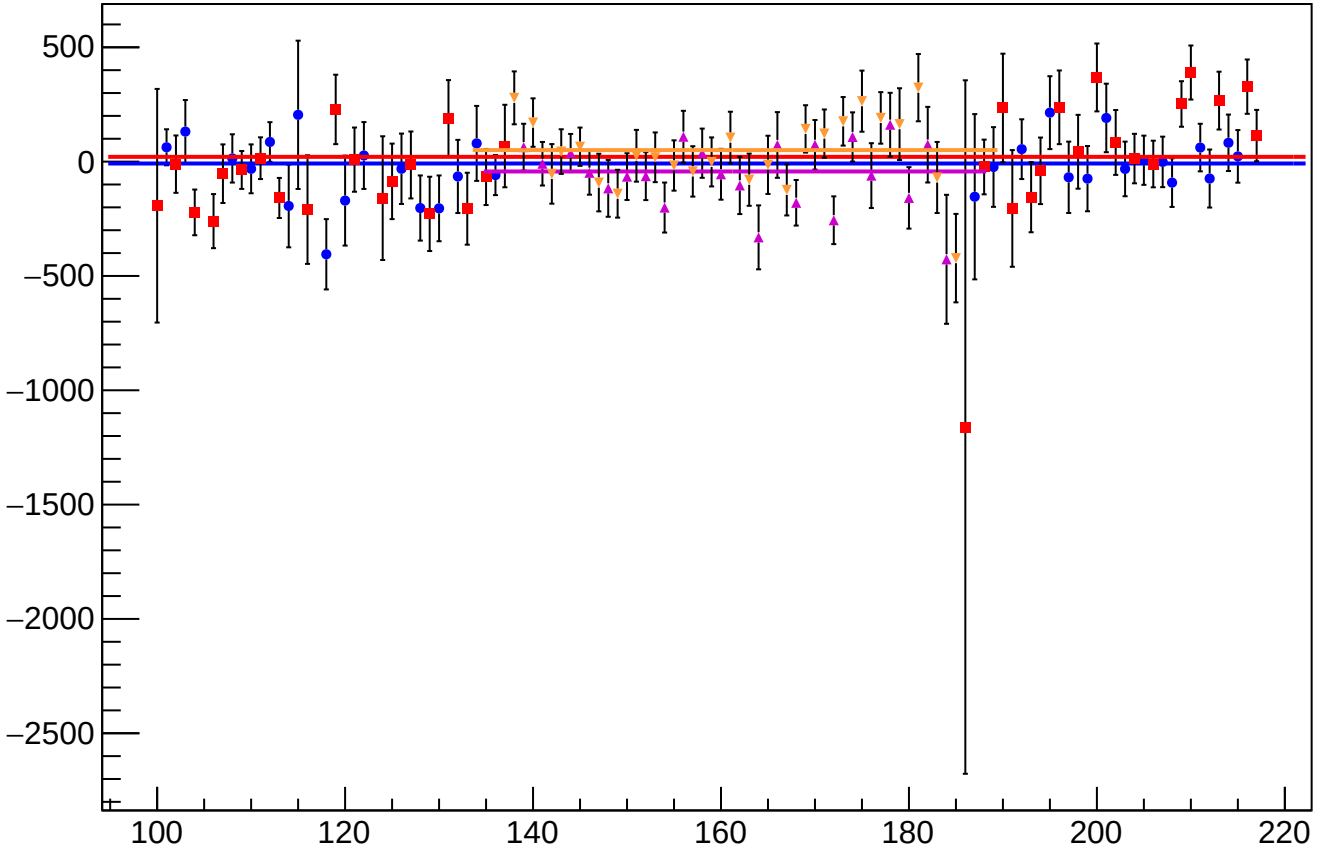
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 738.333+/-0.089 χ^2/NDF: 7877248.3/55

All: 735.612+/-0.063 χ^2/NDF: 17379310.2/11

- sign 732.896+/-0.089 χ^2/NDF: 9500190.5/58

cor_asym_sam_1548_avg_mean vs Slug



Right In: -8.192+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 20.891+/-22.099 χ^2/NDF: 64.3/35

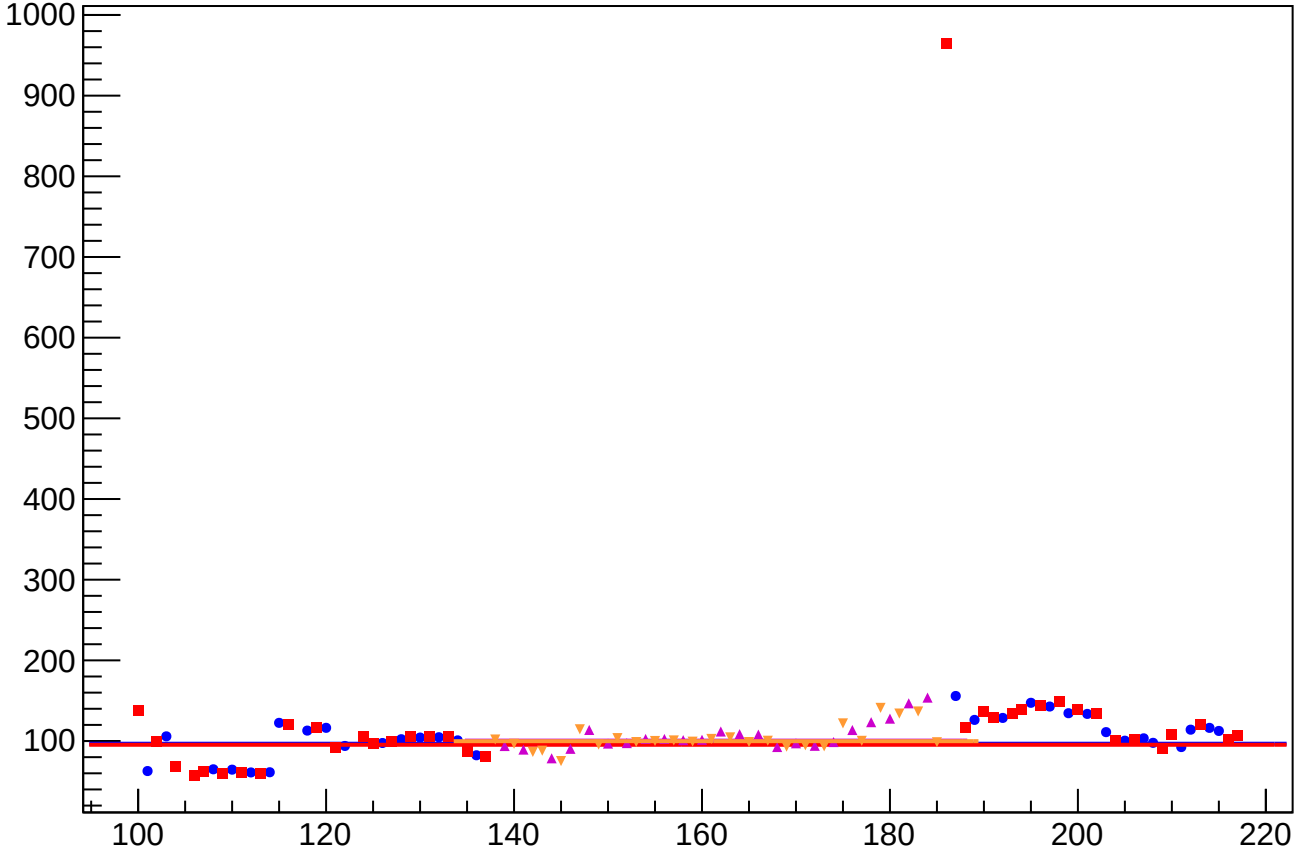
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.882+/-16.183 χ^2/NDF: 59.7/55

All: 6.060+/-11.442 χ^2/NDF: 156.2/114

- sign -8.758+/-16.181 χ^2/NDF: 94.8/58

cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.675+/-0.016 χ^2/NDF: 2316714.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

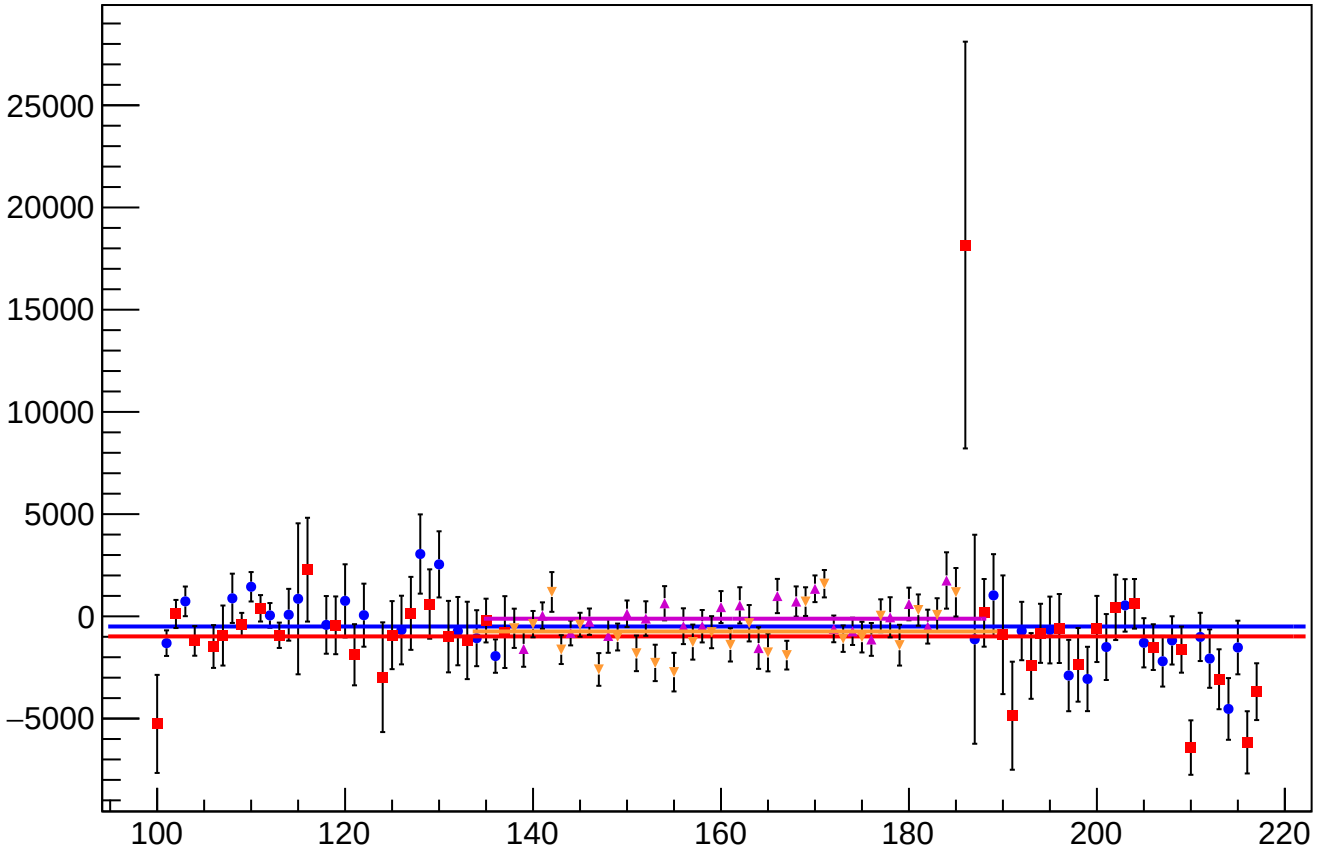
Right Out: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.247+/-0.011 χ^2/NDF: 3033592.0/55

All: 98.000+/-0.008 χ^2/NDF: 7313194.7/114

- sign 97.753+/-0.011 χ^2/NDF: 4278668.9/58



Right In: -496.340+/-211.761 χ^2/NDF: 43.2/30

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -981.374+/-201.046 χ^2/NDF: 61.1/35

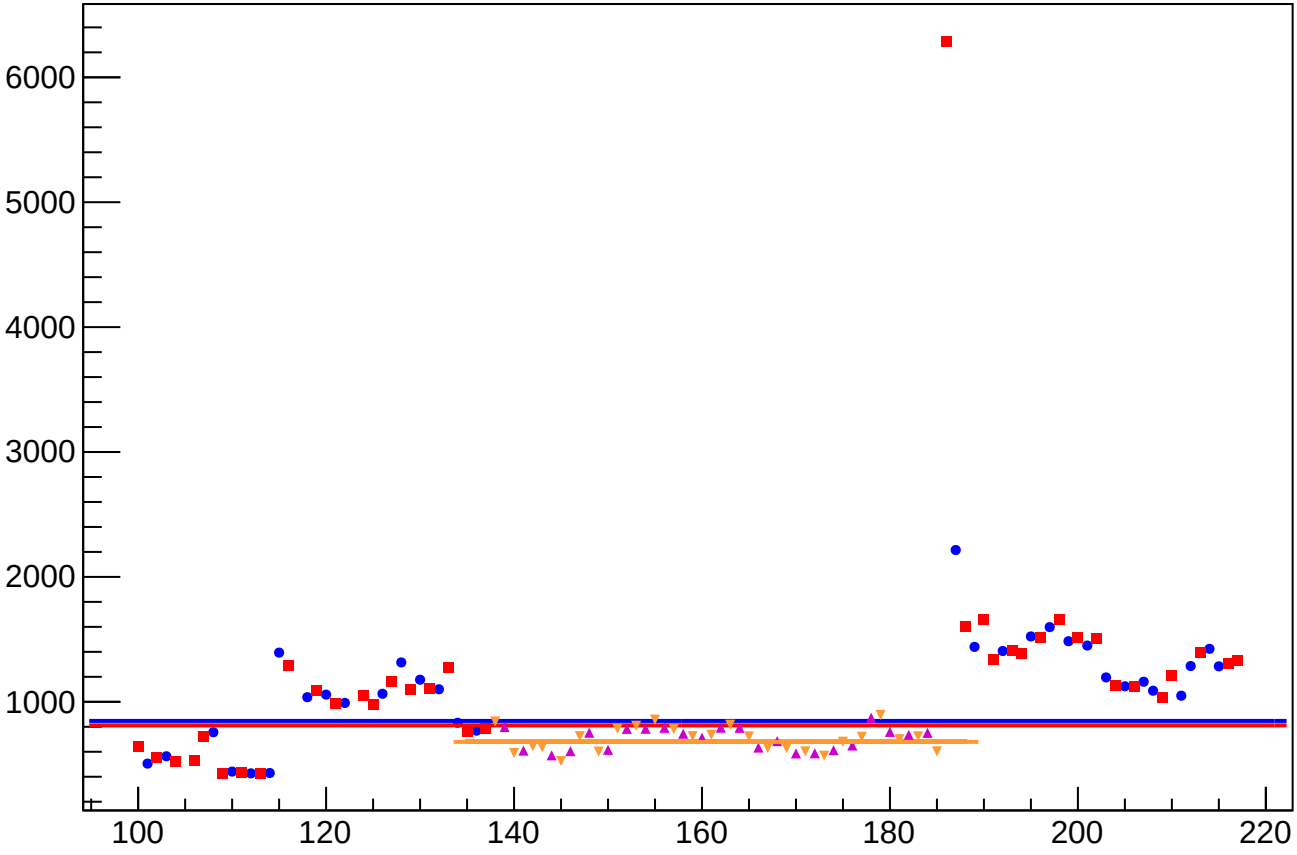
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -652.996+/-125.761 χ^2/NDF: 93.7/55

All: -553.362+/-88.892 χ^2/NDF: 191.1/114

- sign -453.880+/-125.665 χ^2/NDF: 96.1/58

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 846.968+/-0.150 χ^2/NDF: 6326626.5/30

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

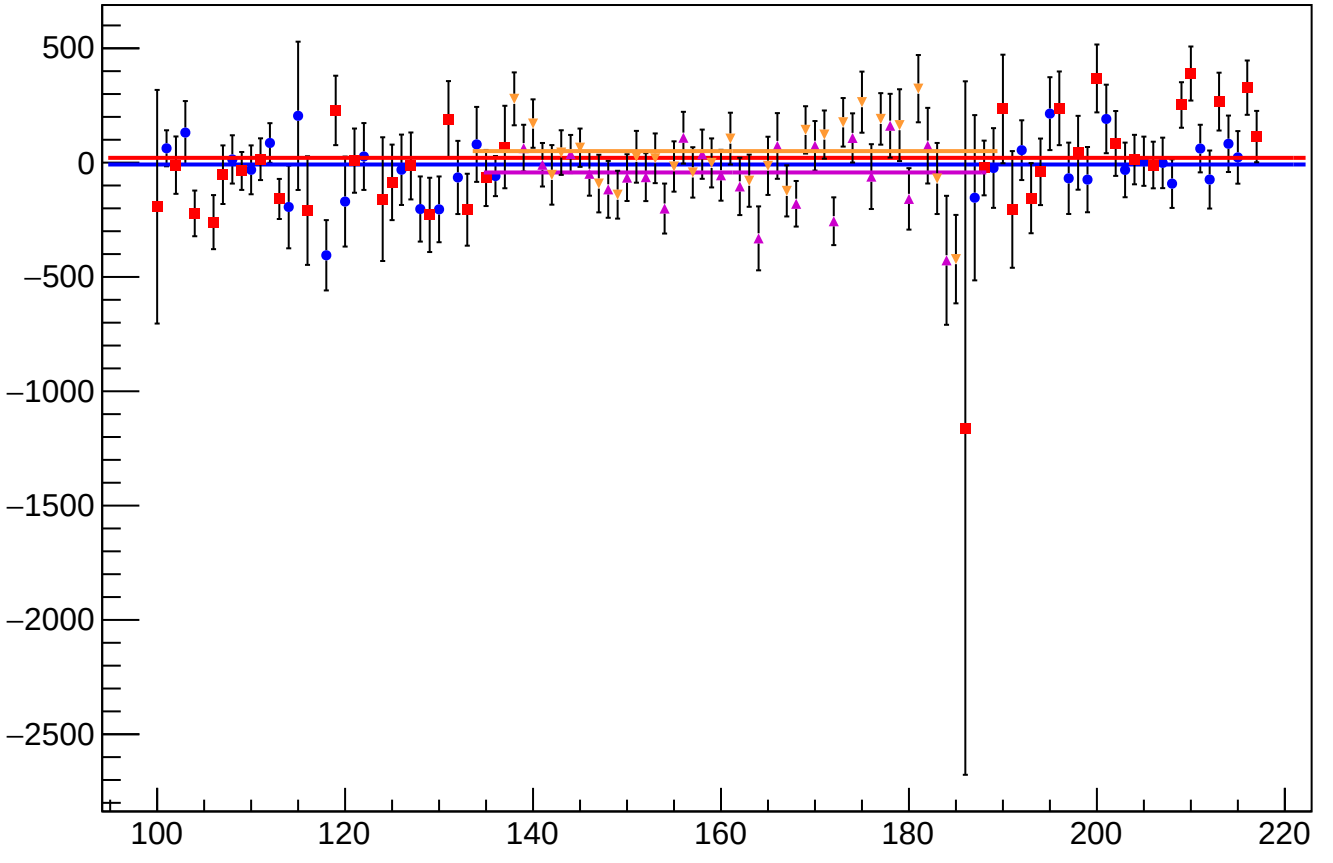
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 738.336+/-0.089 χ^2/NDF: 7877149.0/55

All: 735.403+/-0.063 χ^2/NDF: 17401124.7/11

- sign 732.475+/-0.089 χ^2/NDF: 9521802.1/58

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -8.192+/-22.814 χ^2/NDF: 23.0/30

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 20.891+/-22.099 χ^2/NDF: 64.3/35

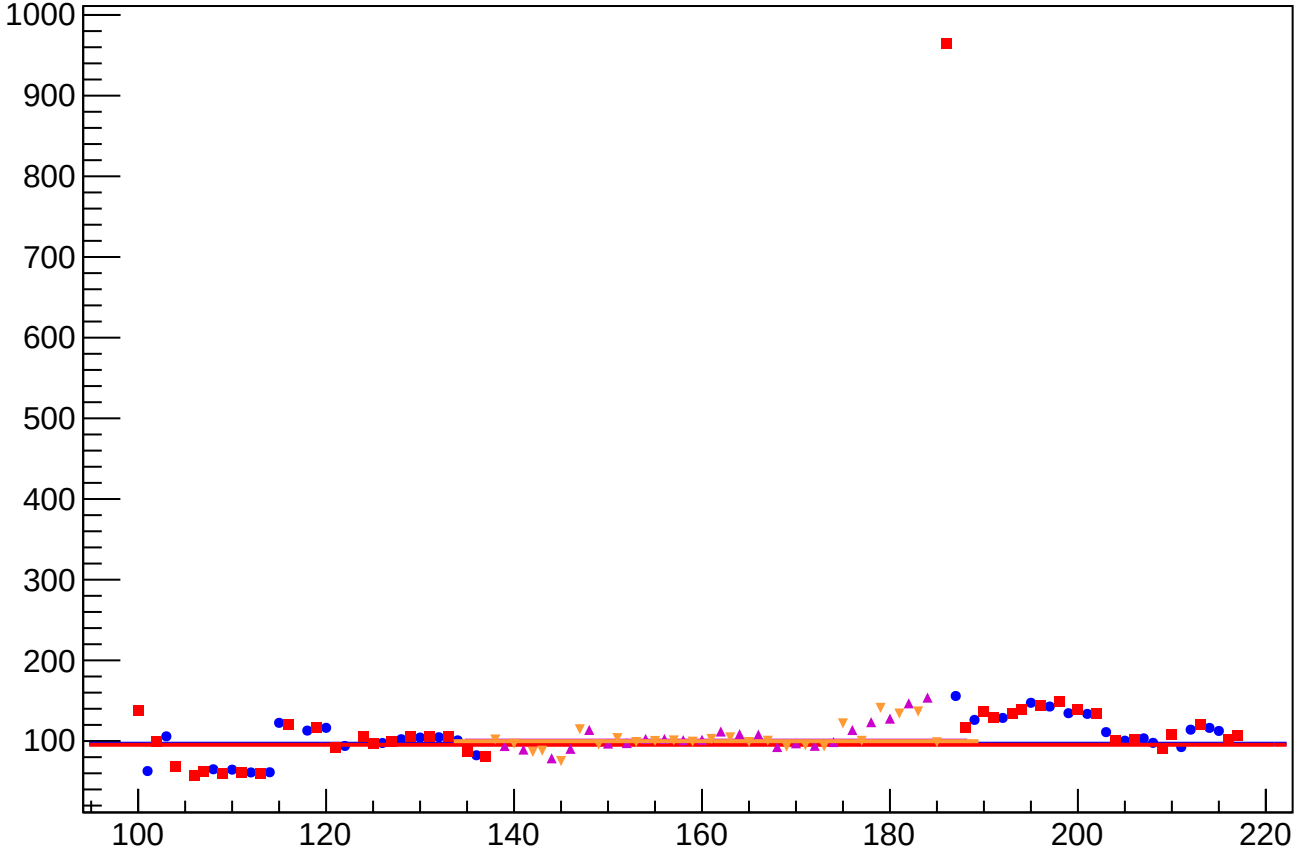
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.882+/-16.183 χ^2/NDF: 59.7/55

All: 6.060+/-11.442 χ^2/NDF: 156.2/114

- sign -8.758+/-16.181 χ^2/NDF: 94.8/58

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.675+/-0.016 χ^2/NDF: 2316714.8/30

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

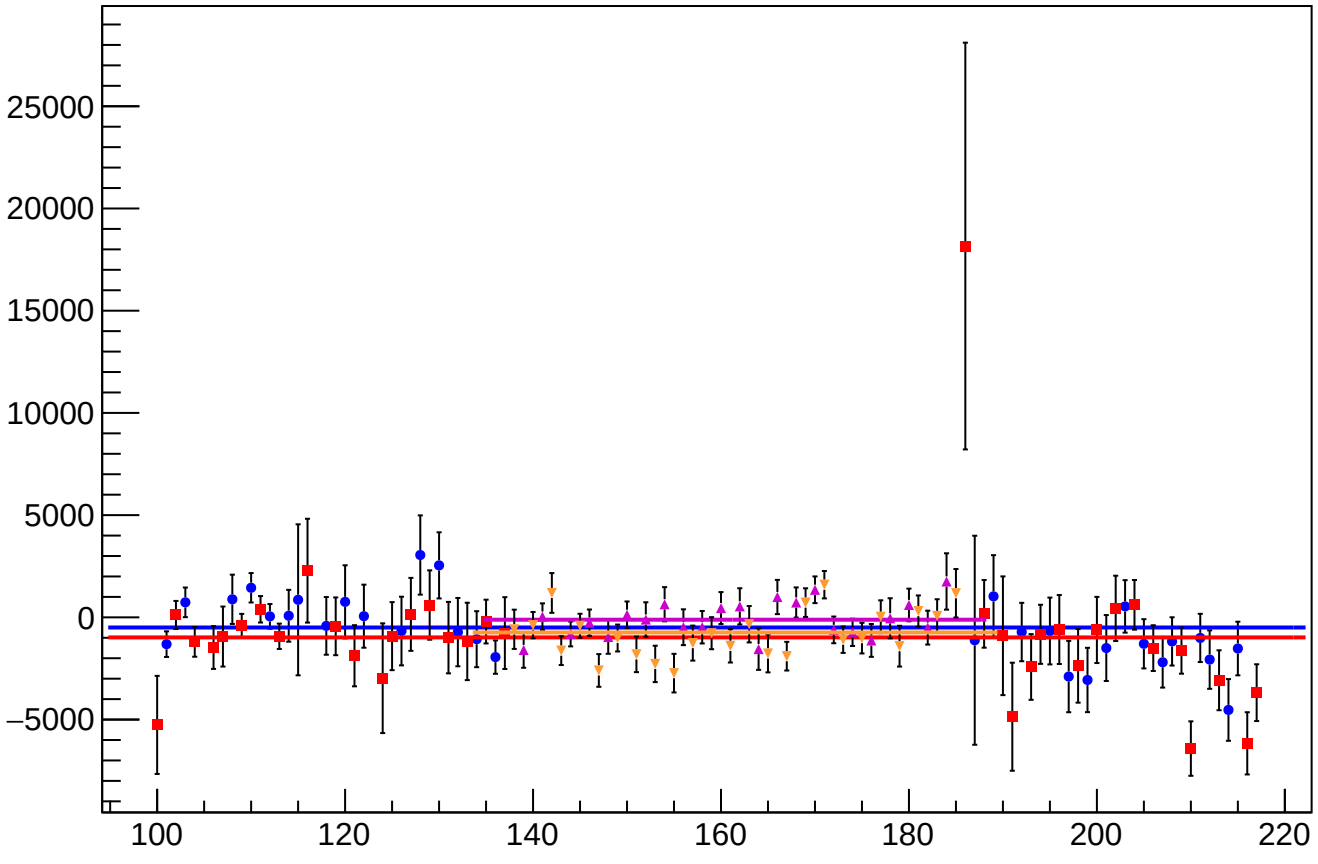
Right Out: 95.377+/-0.016 χ^2/NDF: 3572012.0/35

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 98.247+/-0.011 χ^2/NDF: 3033592.0/55

All: 98.000+/-0.008 χ^2/NDF: 7313194.7/114

- sign 97.753+/-0.011 χ^2/NDF: 4278668.9/58



Right In: -496.340+/-211.761 χ^2/NDF: 43.2/30

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

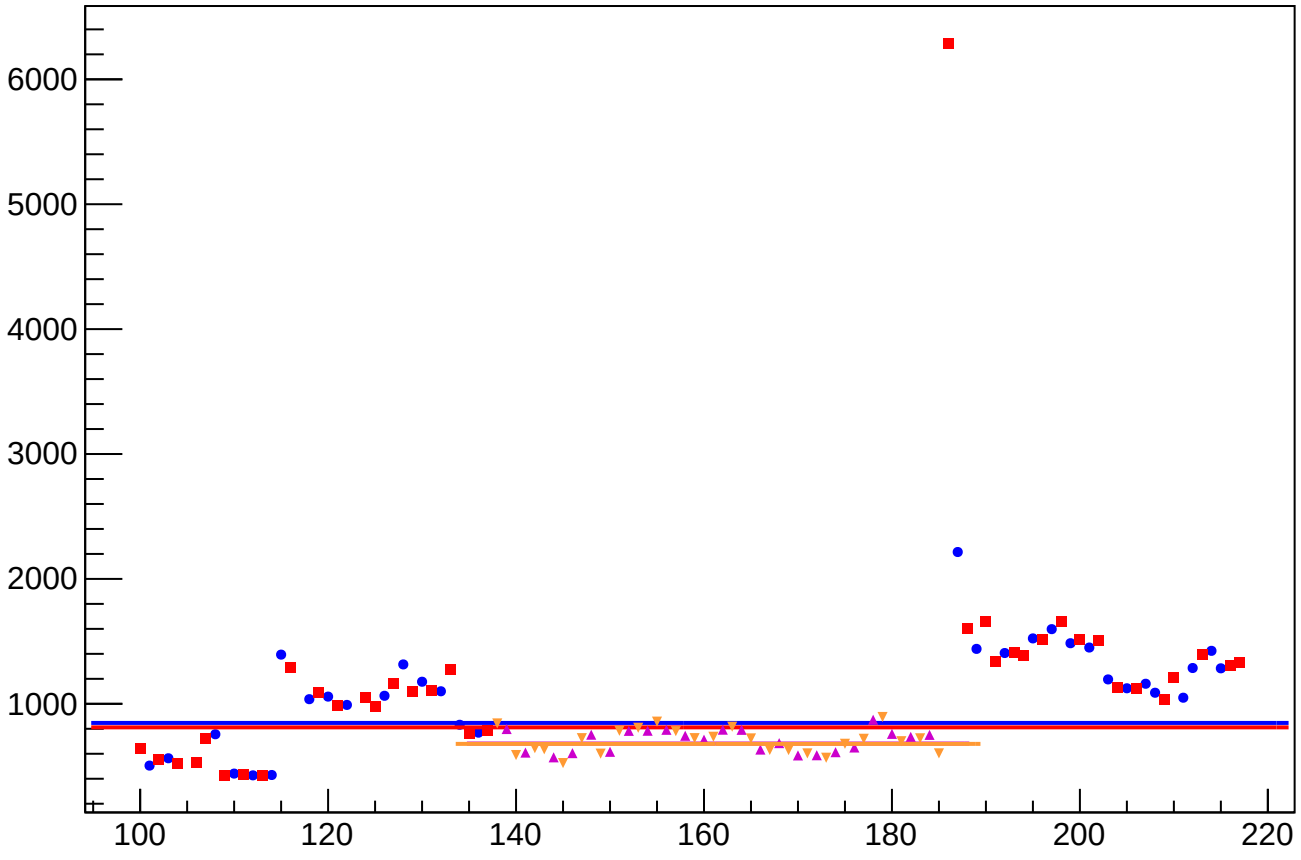
Right Out: -981.374+/-201.046 χ^2/NDF: 61.1/35

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -652.996+/-125.761 χ^2/NDF: 93.7/55

All: -553.362+/-88.892 χ^2/NDF: 191.1/114

- sign -453.880+/-125.665 χ^2/NDF: 96.1/58



Right In: 846.968+/-0.150 χ^2/NDF: 6326626.5/30

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 811.359+/-0.142 χ^2/NDF: 8442651.9/35

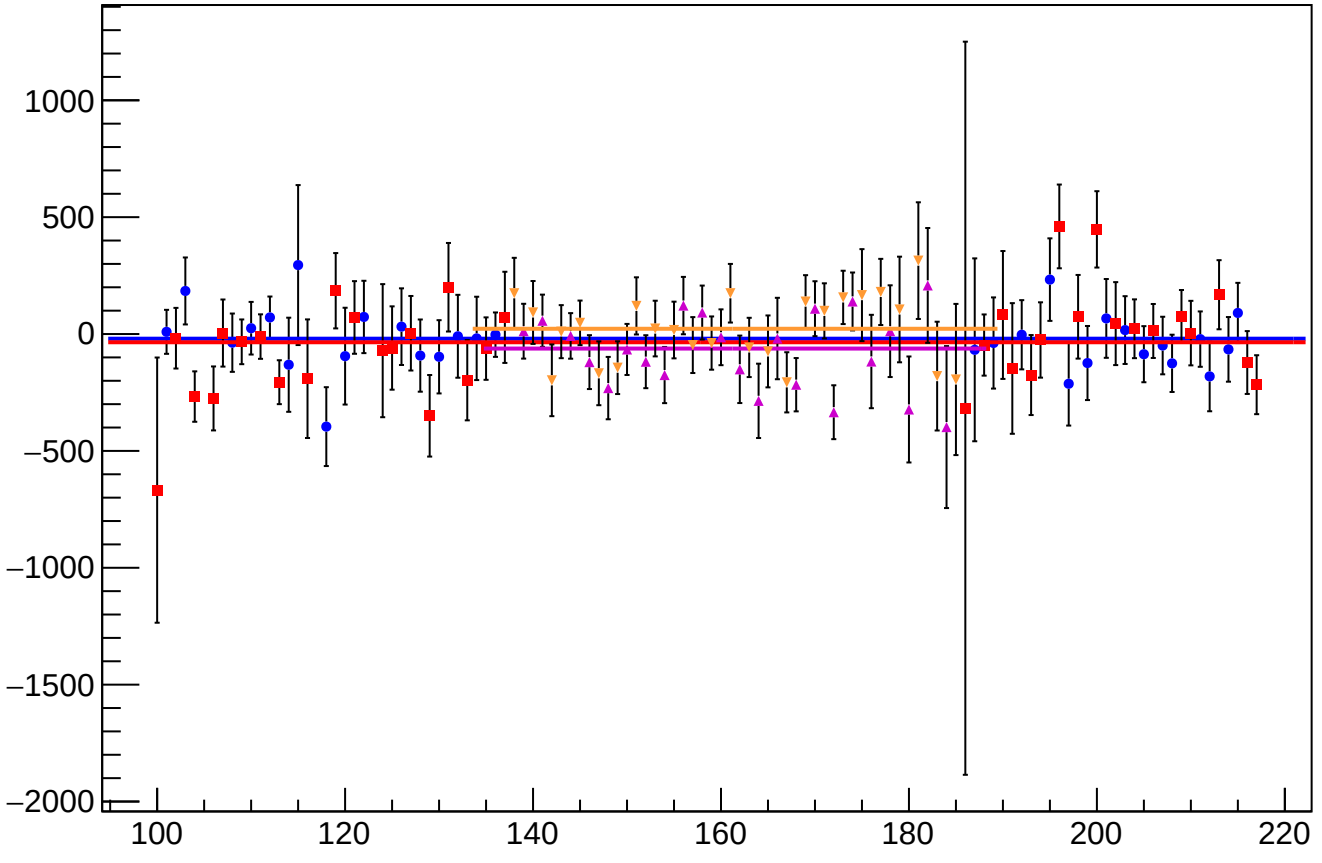
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 738.336+/-0.089 χ^2/NDF: 7877149.0/55

All: 735.403+/-0.063 χ^2/NDF: 17401124.7/11

- sign 732.475+/-0.089 χ^2/NDF: 9521802.1/58

dit_asym_sam_1548_avg_mean vs Slug



Right In: -19.915+/-25.379 χ^2/NDF: 17.7/30

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -35.154+/-24.528 χ^2/NDF: 45.1/35

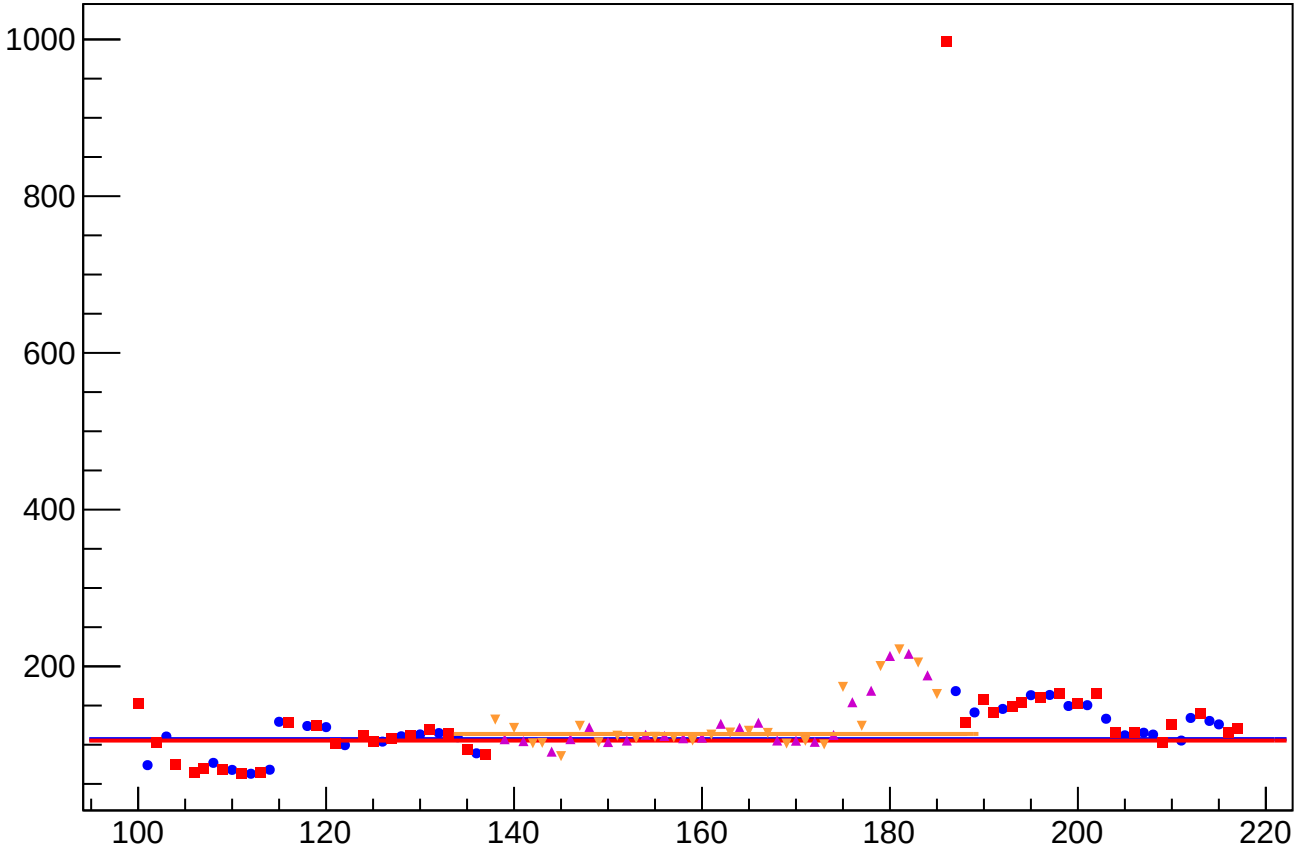
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 0.283+/-18.376 χ^2/NDF: 40.6/55

All: -23.614+/-12.952 χ^2/NDF: 117.0/114

- sign -47.202+/-18.257 χ^2/NDF: 73.0/58

dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.171+/-0.018 χ^2/NDF: 2467506.7/30

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.315+/-0.017 χ^2/NDF: 3804767.5/35

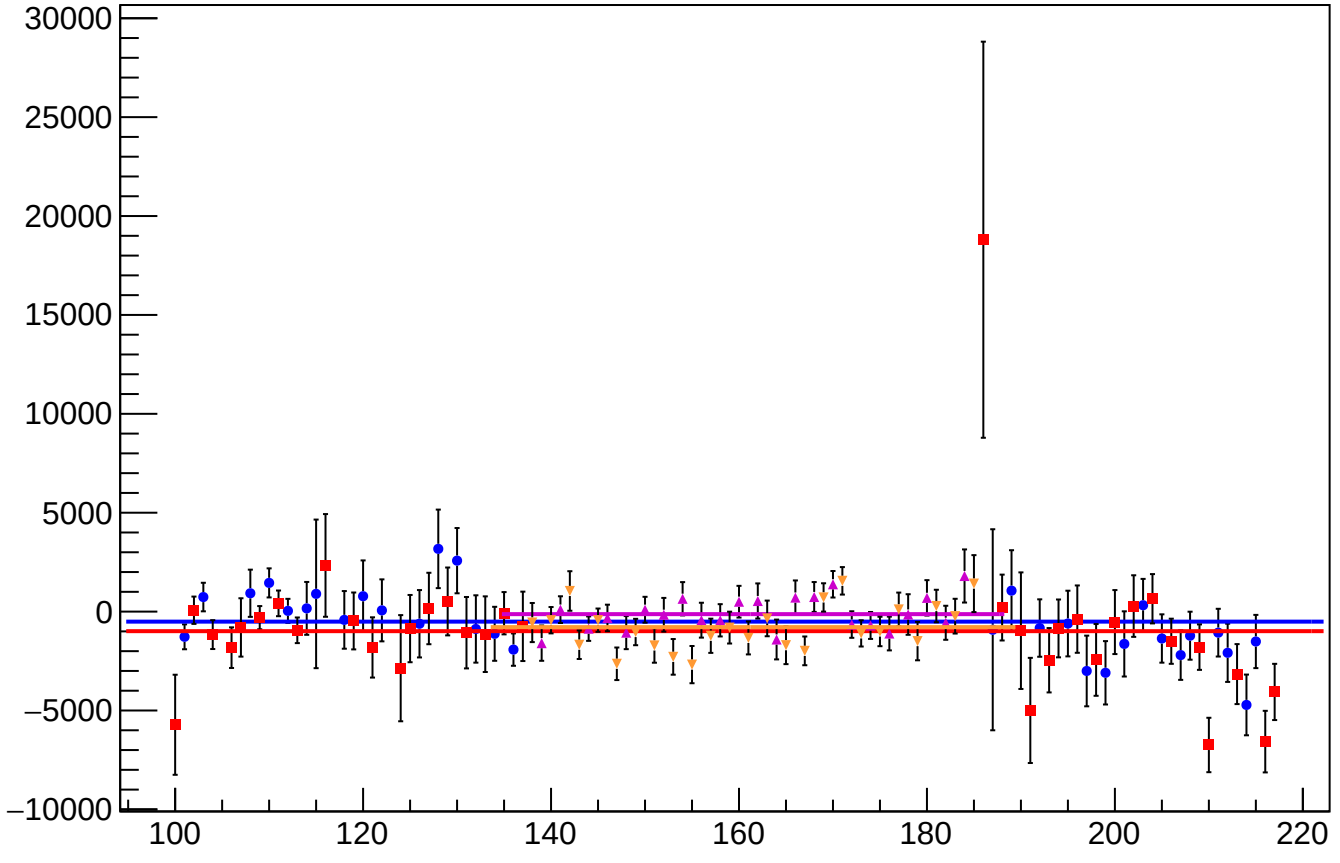
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 110.308+/-0.013 χ^2/NDF: 4111676.3/55

All: 109.672+/-0.009 χ^2/NDF: 9340904.3/114

- sign 109.044+/-0.013 χ^2/NDF: 5224464.5/58

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -506.847+/-214.554 χ^2/NDF: 43.2/30

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -988.880+/-203.534 χ^2/NDF: 65.7/35

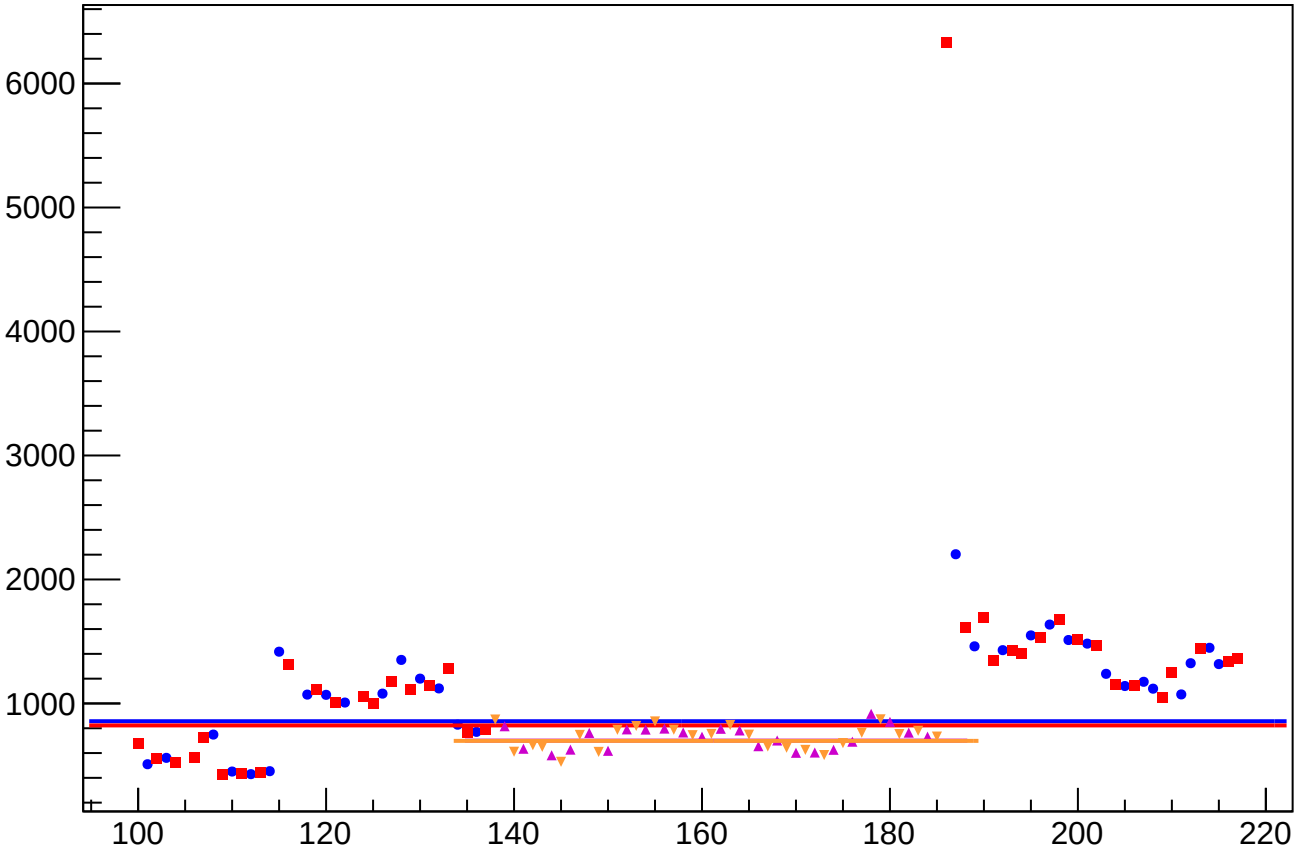
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -684.753+/-128.510 χ^2/NDF: 89.6/55

All: -577.259+/-90.793 χ^2/NDF: 190.2/114

- sign -470.129+/-128.293 χ^2/NDF: 99.2/58

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 856.693+/-0.152 χ^2/NDF: 6458719.9/30

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 822.875+/-0.144 χ^2/NDF: 8436717.7/35

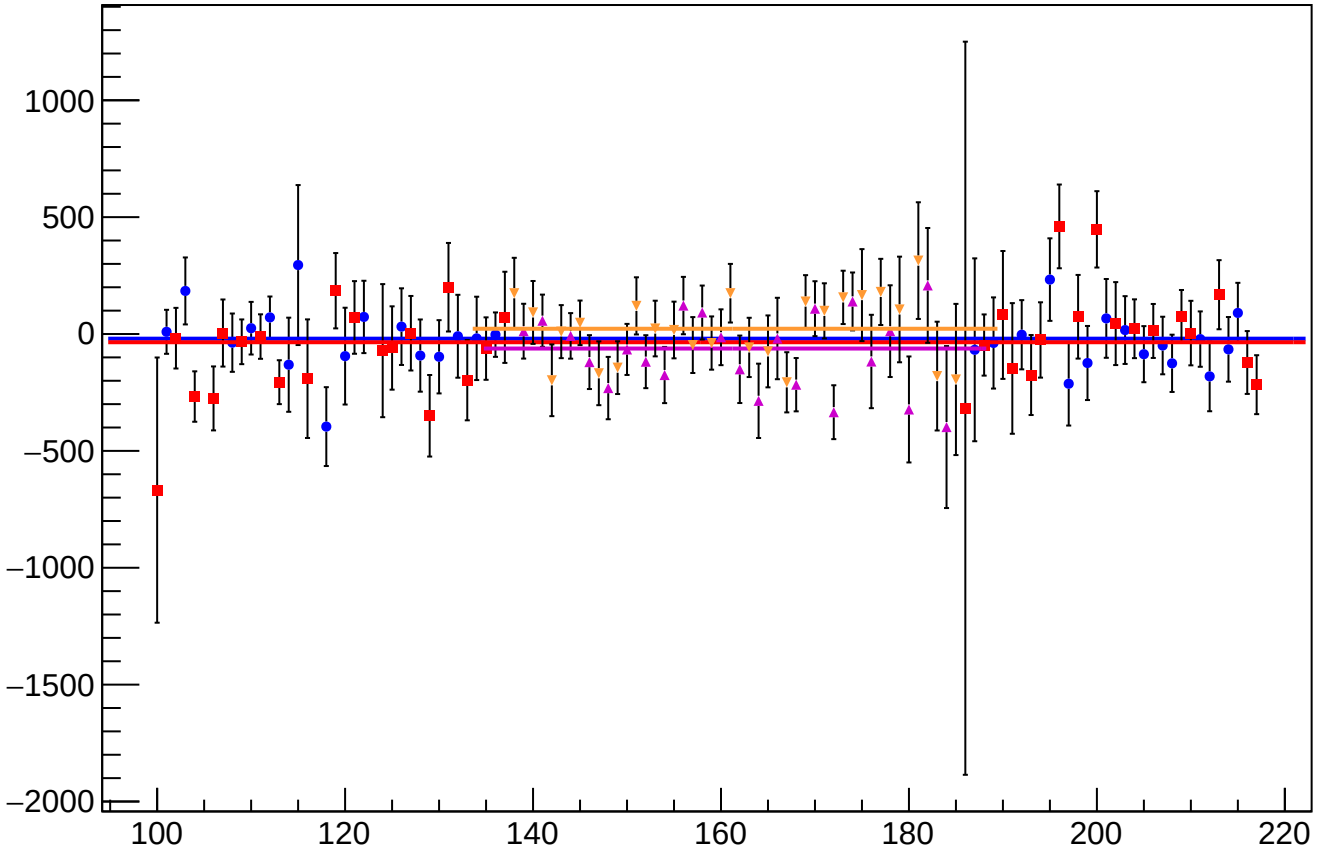
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 755.084+/-0.091 χ^2/NDF: 7872918.5/55

All: 751.970+/-0.064 χ^2/NDF: 17335045.0/11

- sign 748.867+/-0.091 χ^2/NDF: 9459782.1/58

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -19.914+/-25.379 χ^2/NDF: 17.7/30

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -35.152+/-24.528 χ^2/NDF: 45.1/35

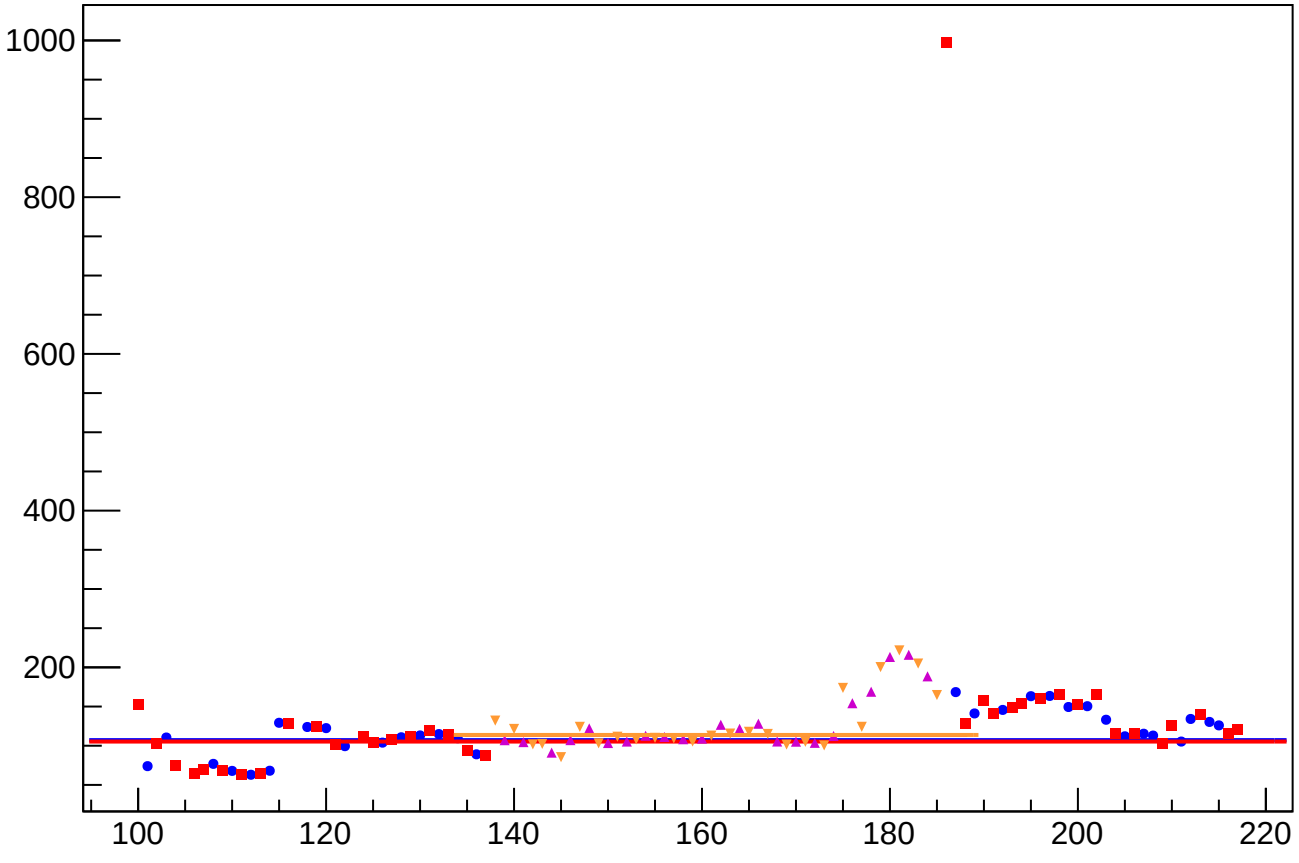
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 0.284+/-18.376 χ^2/NDF: 40.6/55

All: -23.613+/-12.952 χ^2/NDF: 117.0/114

- sign -47.201+/-18.257 χ^2/NDF: 73.0/58

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.171+/-0.018 χ^2/NDF: 2467486.2/30

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

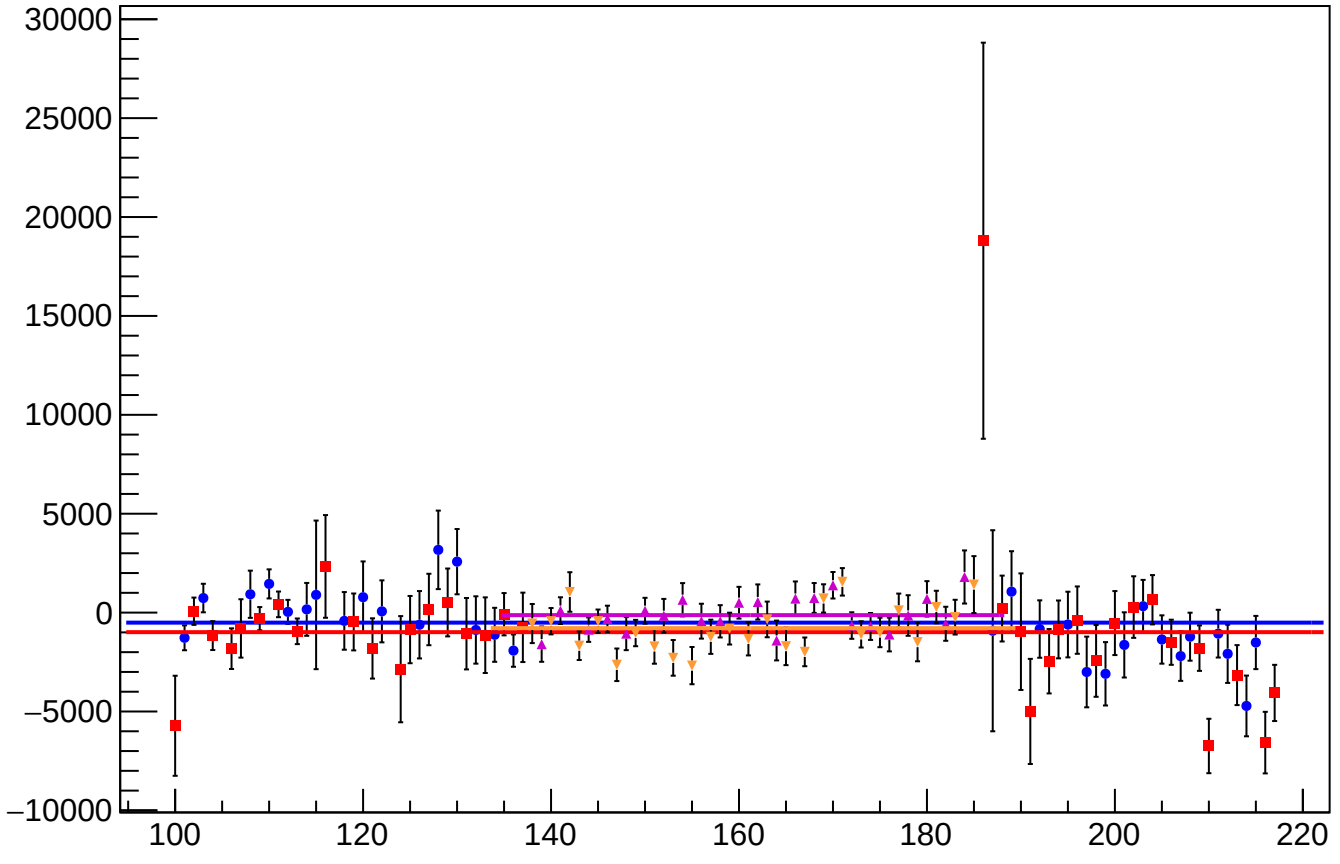
Right Out: 105.315+/-0.017 χ^2/NDF: 3804765.0/35

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 110.308+/-0.013 χ^2/NDF: 4111650.5/55

All: 109.672+/-0.009 χ^2/NDF: 9340860.9/114

- sign 109.044+/-0.013 χ^2/NDF: 5224447.0/58



Right In: -506.846+/-214.554 χ^2/NDF: 43.2/30

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

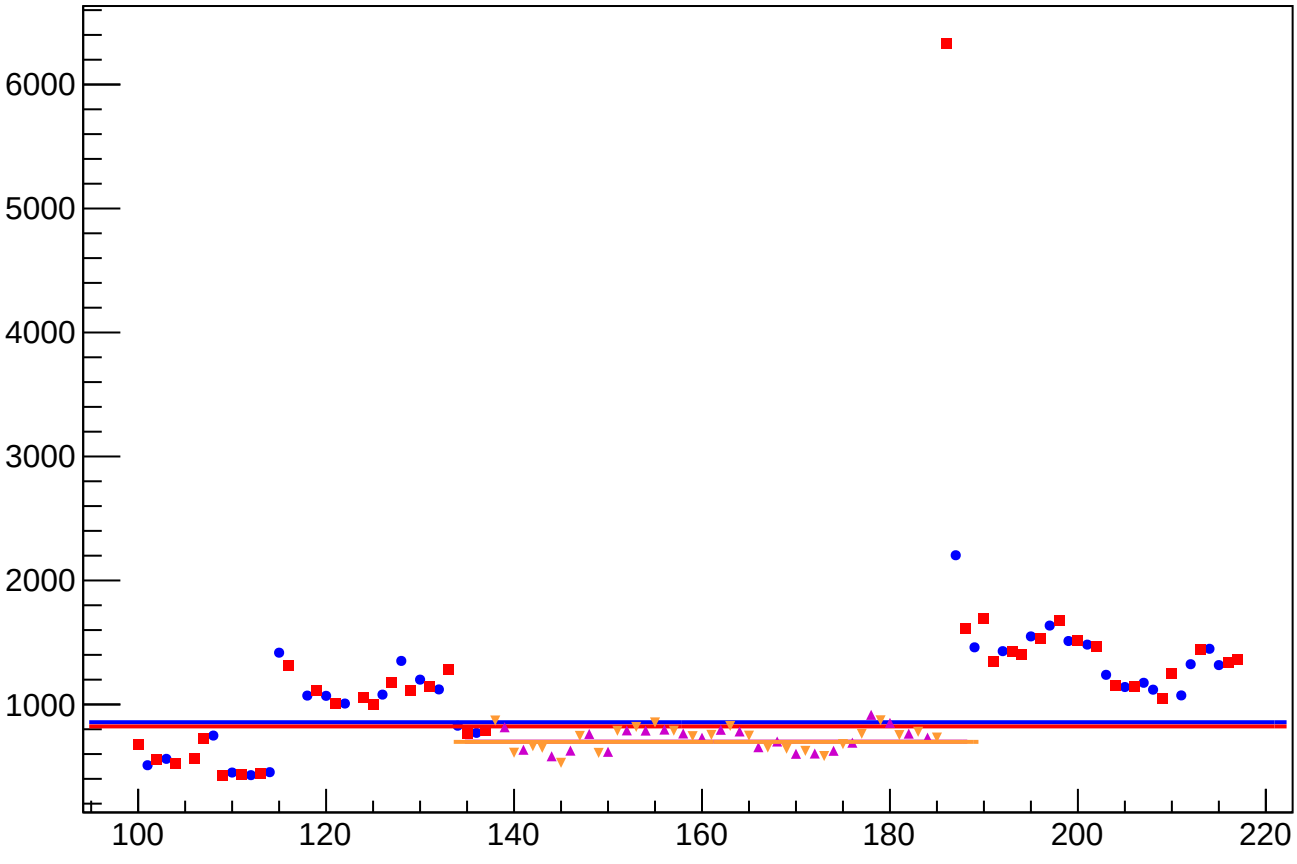
Right Out: -988.878+/-203.534 χ^2/NDF: 65.7/35

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -684.752+/-128.510 χ^2/NDF: 89.6/55

All: -577.258+/-90.793 χ^2/NDF: 190.2/114

- sign -470.128+/-128.293 χ^2/NDF: 99.2/58



Right In: 856.692+/-0.152 χ^2/NDF: 6458719.9/30

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 822.874+/-0.144 χ^2/NDF: 8436714.0/35

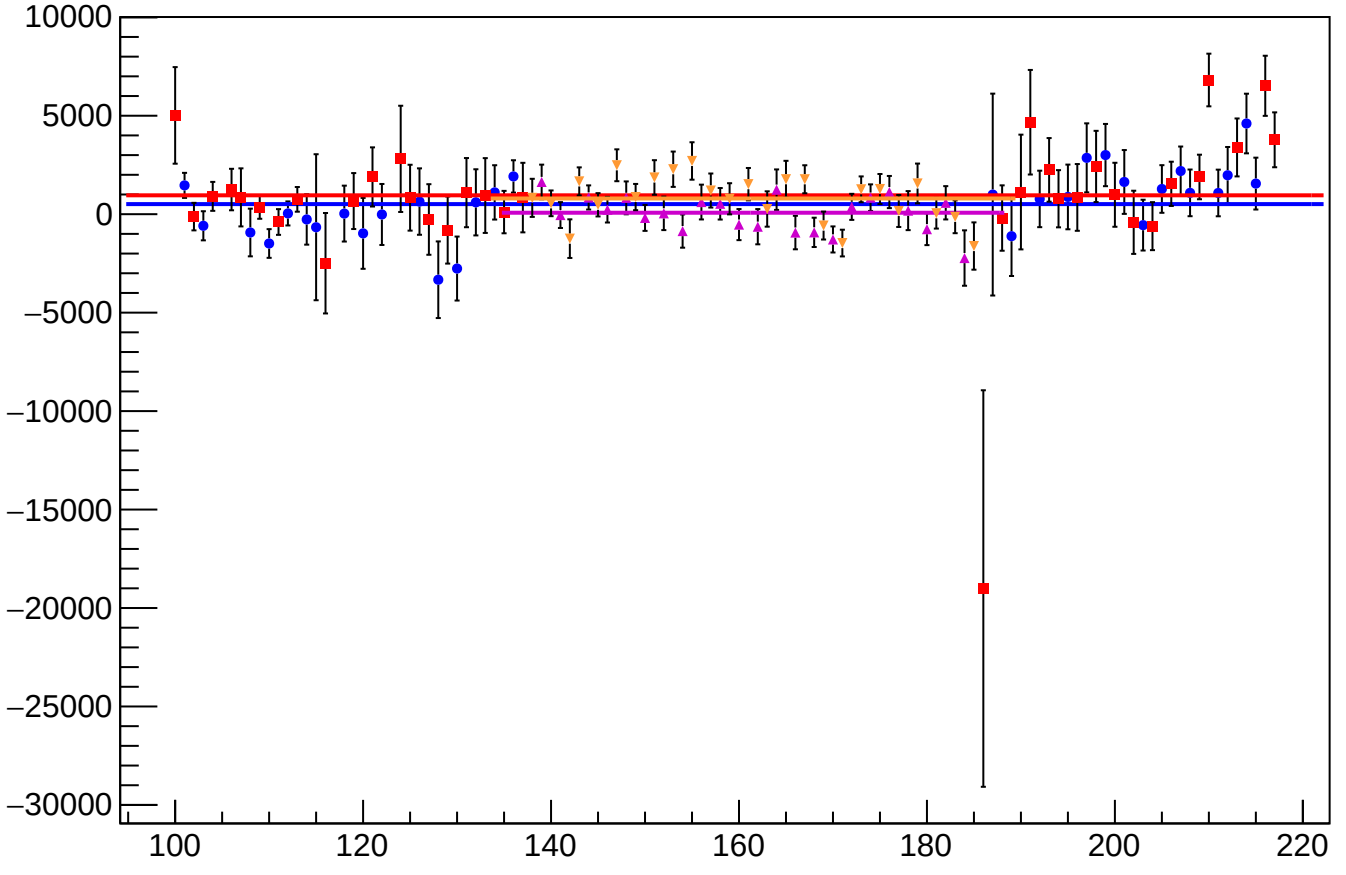
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 755.083+/-0.091 χ^2/NDF: 7872916.6/55

All: 751.970+/-0.064 χ^2/NDF: 17335033.7/11

- sign 748.866+/-0.091 χ^2/NDF: 9459772.7/58

asym_sam_1548_avg_mean vs Slug



Right In: 512.022+/-213.601 χ^2/NDF: 44.3/30

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 958.255+/-202.762 χ^2/NDF: 65.9/35

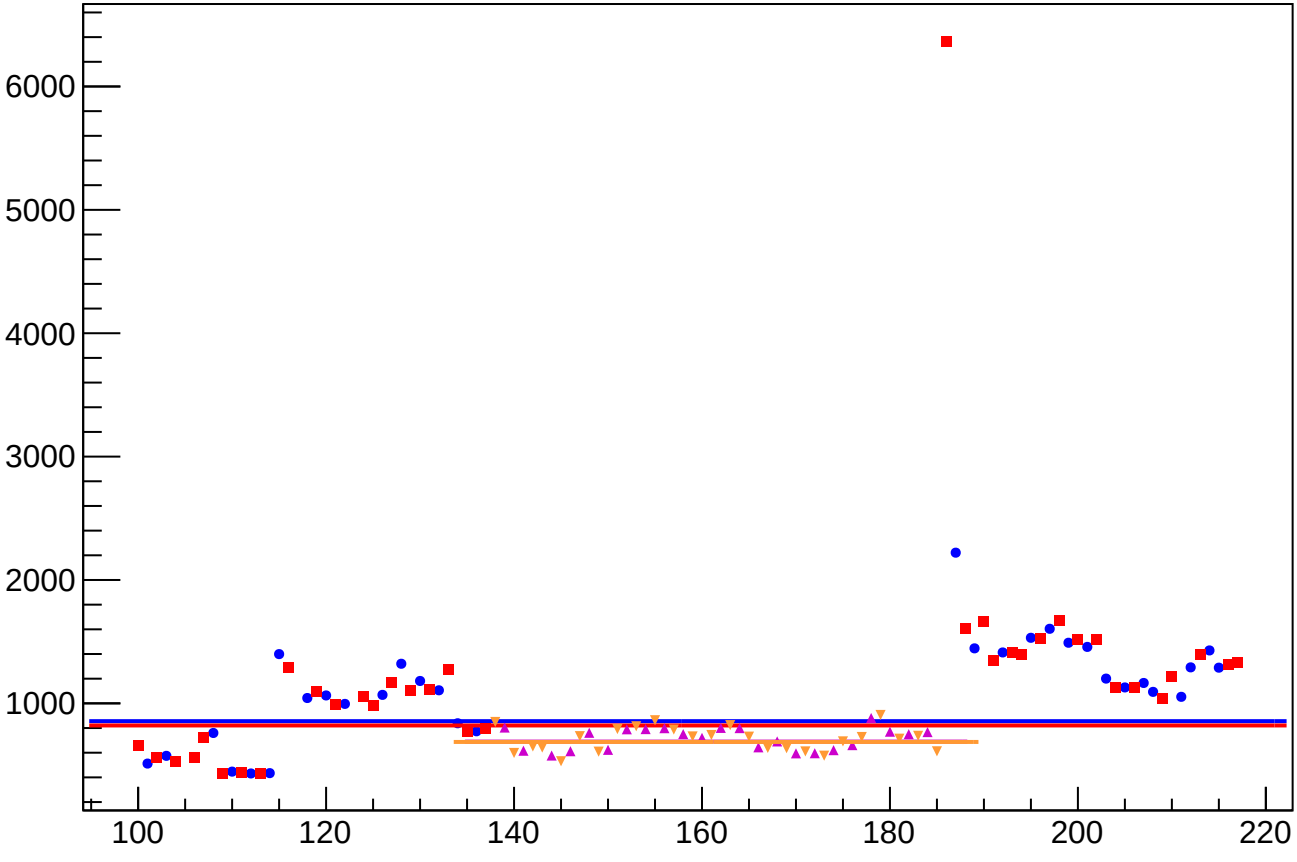
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 696.039+/-127.099 χ^2/NDF: 91.9/55

All: 558.147+/-89.831 χ^2/NDF: 196.5/114

- sign 420.508+/-126.982 χ^2/NDF: 102.3/58

asym_sam_1548_avg_rms vs Slug



Right In: 855.681+/-0.151 χ^2/NDF: 6220187.8/30

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

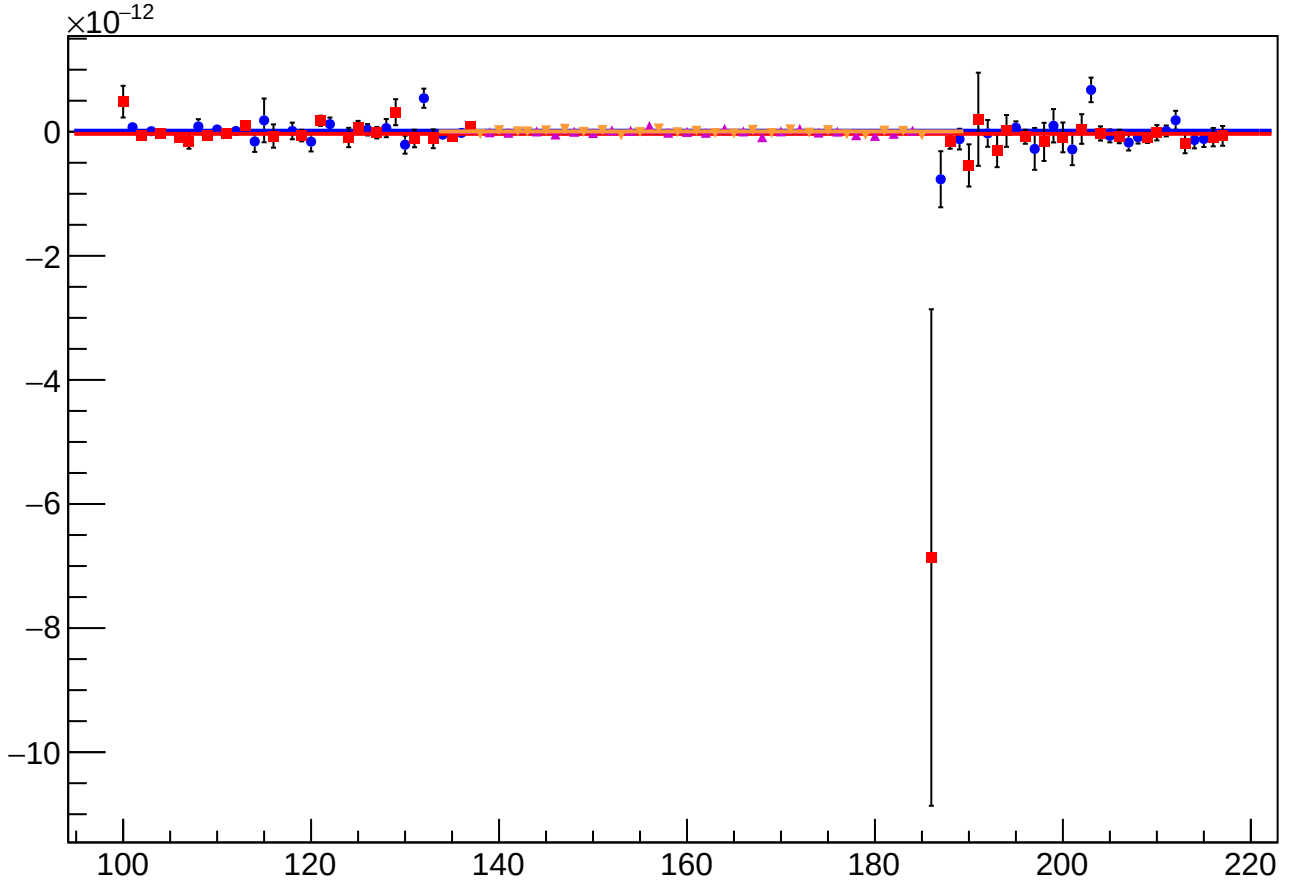
Right Out: 820.844+/-0.143 χ^2/NDF: 8302497.1/35

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 746.880+/-0.090 χ^2/NDF: 7751511.2/55

All: 744.096+/-0.064 χ^2/NDF: 17129240.4/11

- sign 741.316+/-0.090 χ^2/NDF: 9375811.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 48.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

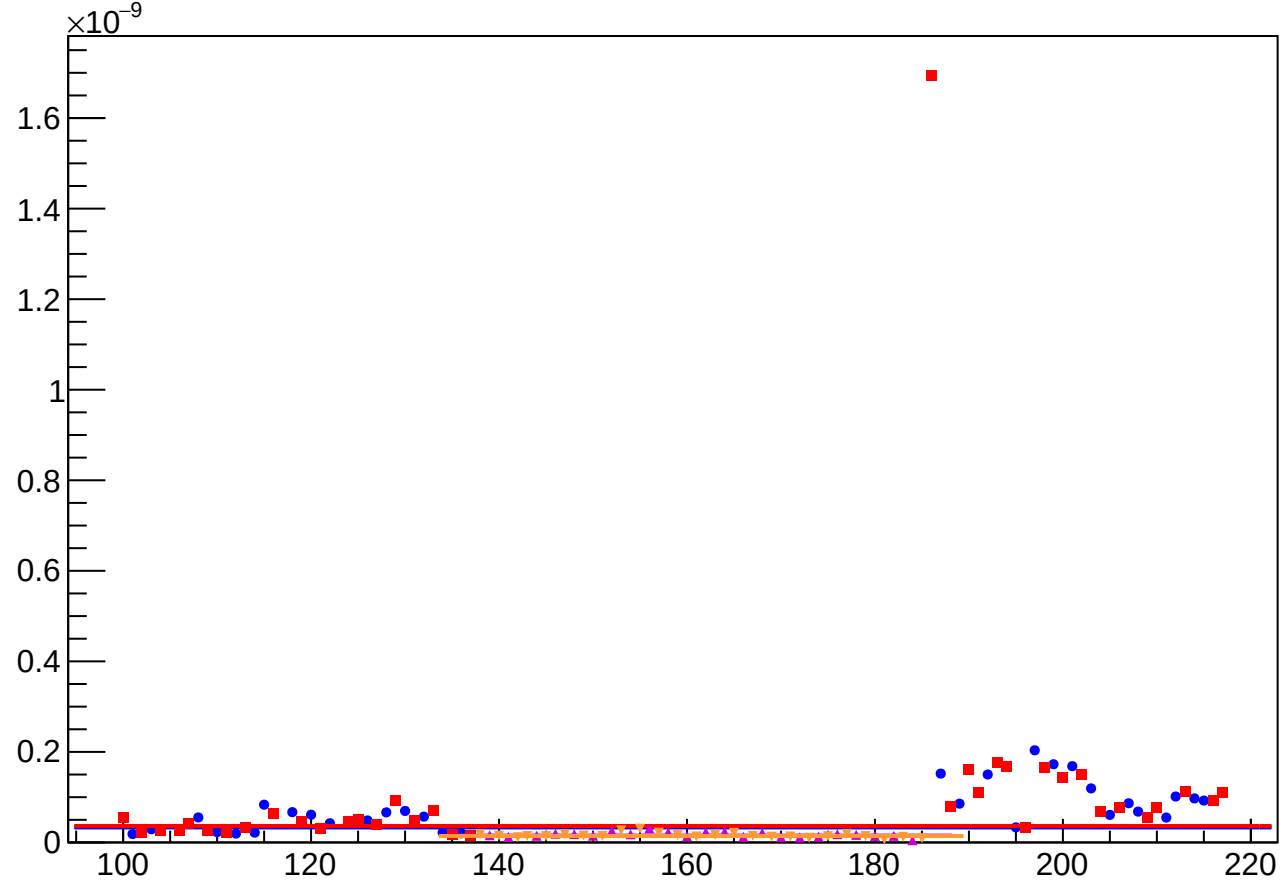
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/35

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.0/55

All: -0.000+/-0.000 χ^2/NDF: 140.9/114

- sign -0.000+/-0.000 χ^2/NDF: 65.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 6895895.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

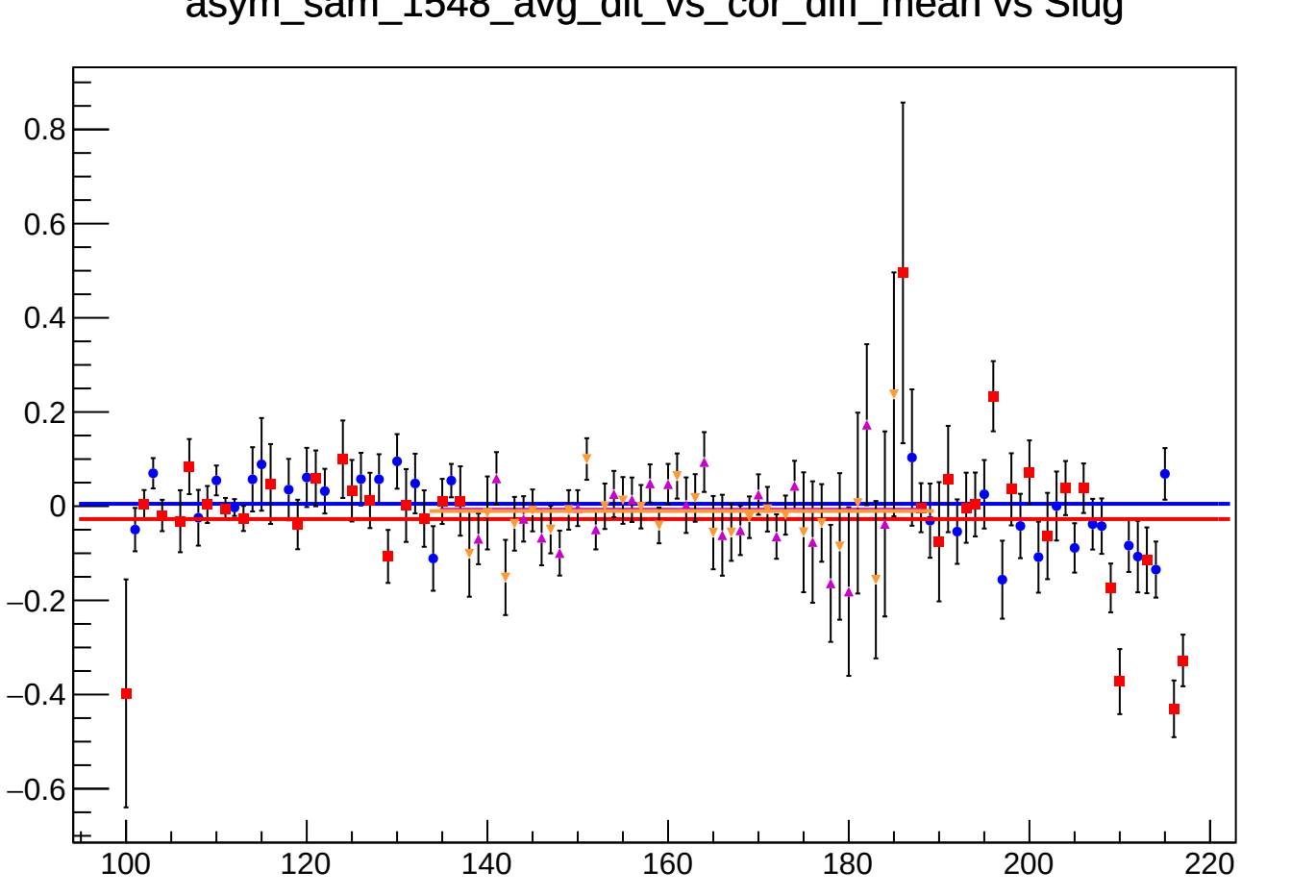
Right Out: 0.000+/-0.000 χ^2/NDF: 6655805.6/35

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11029777.2/55

All: 0.000+/-0.000 χ^2/NDF: 22313150.1/114

- sign 0.000+/-0.000 χ^2/NDF: 11228355.2/58



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.027+/-0.009 χ^2/NDF: 149.0/35

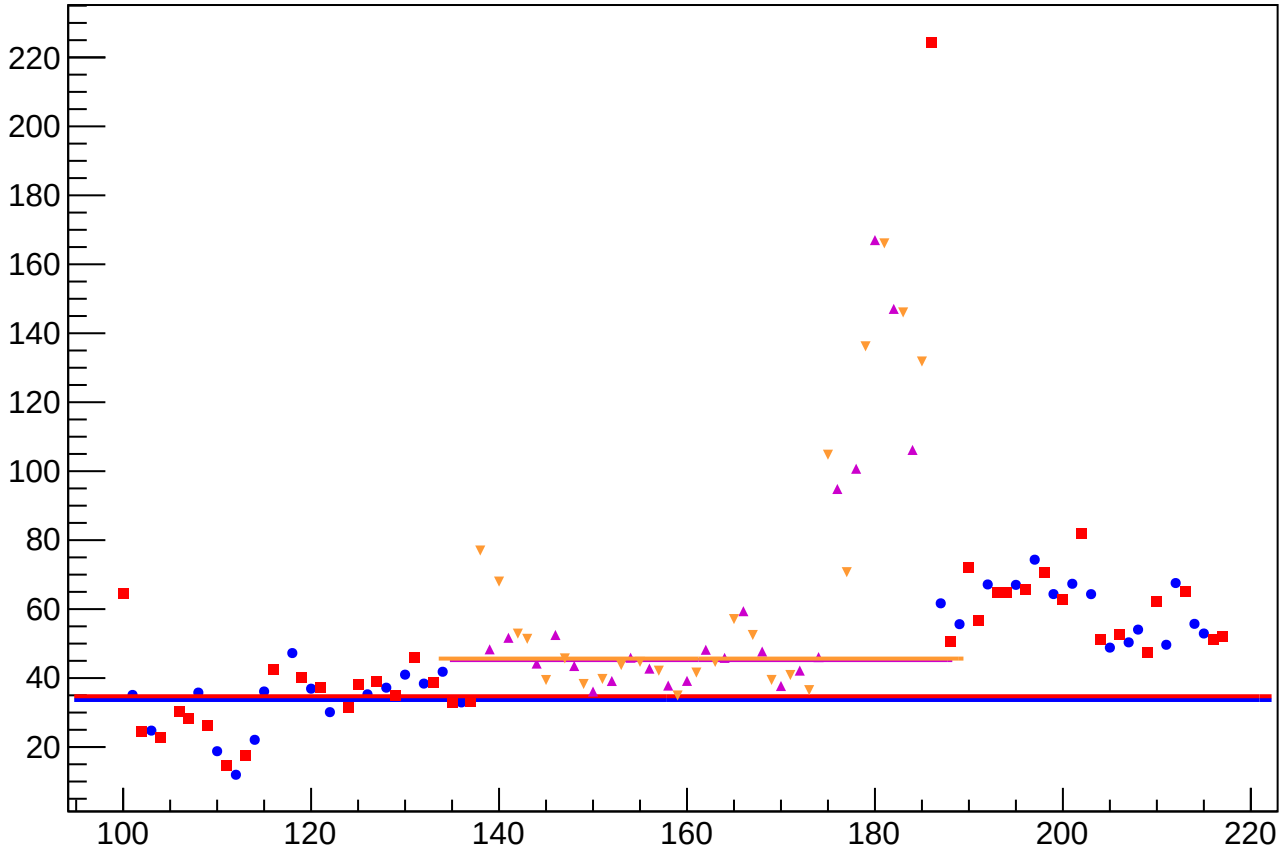
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 63.8/55

All: -0.010+/-0.005 χ^2/NDF: 241.8/114

- sign -0.020+/-0.007 χ^2/NDF: 174.2/58

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.648+/-0.006 χ^2/NDF: 8237421.1/30

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

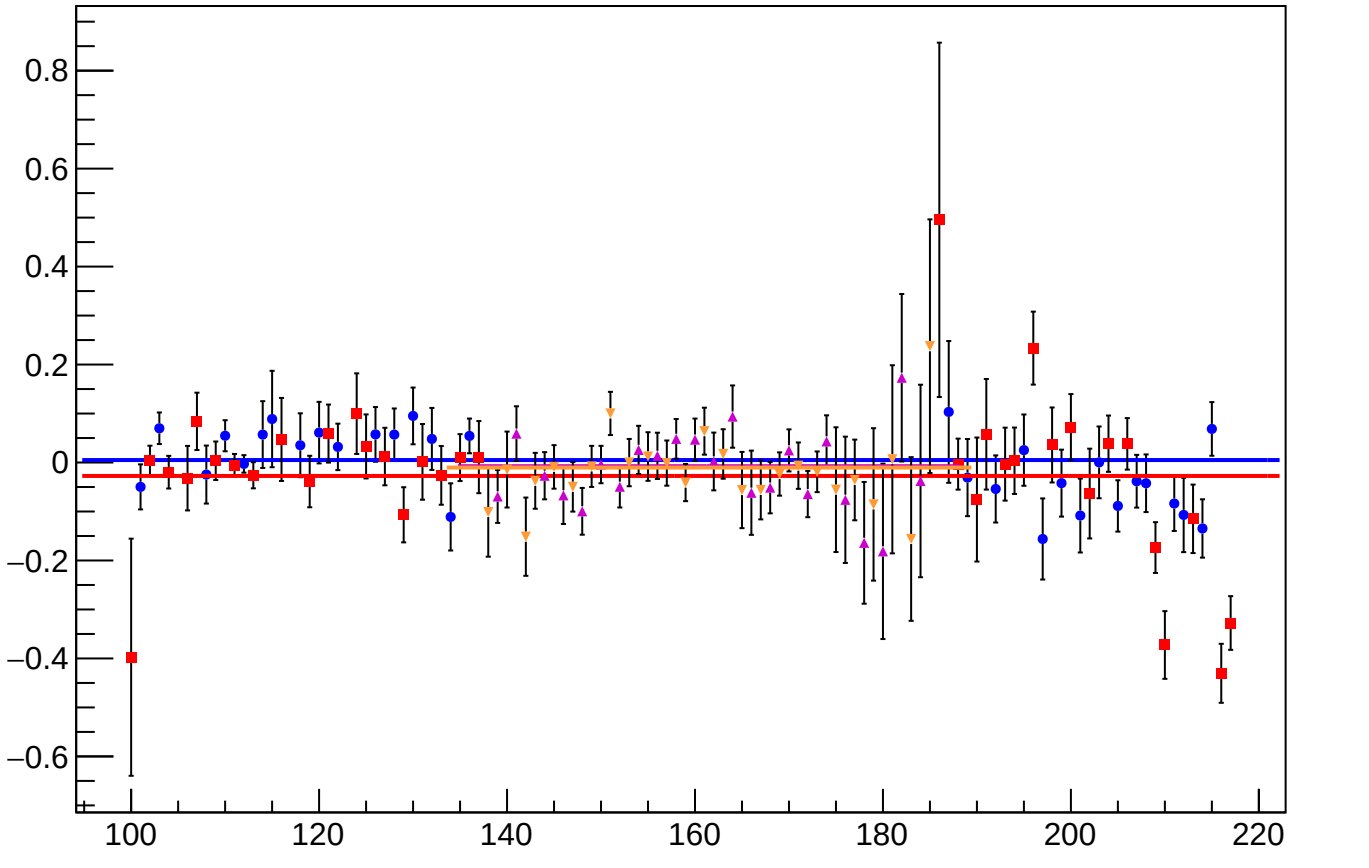
Right Out: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.225+/-0.005 χ^2/NDF: 13654675.8/55

All: 38.424+/-0.003 χ^2/NDF: 25805096.1/114

- sign 38.622+/-0.005 χ^2/NDF: 12147157.0/58



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

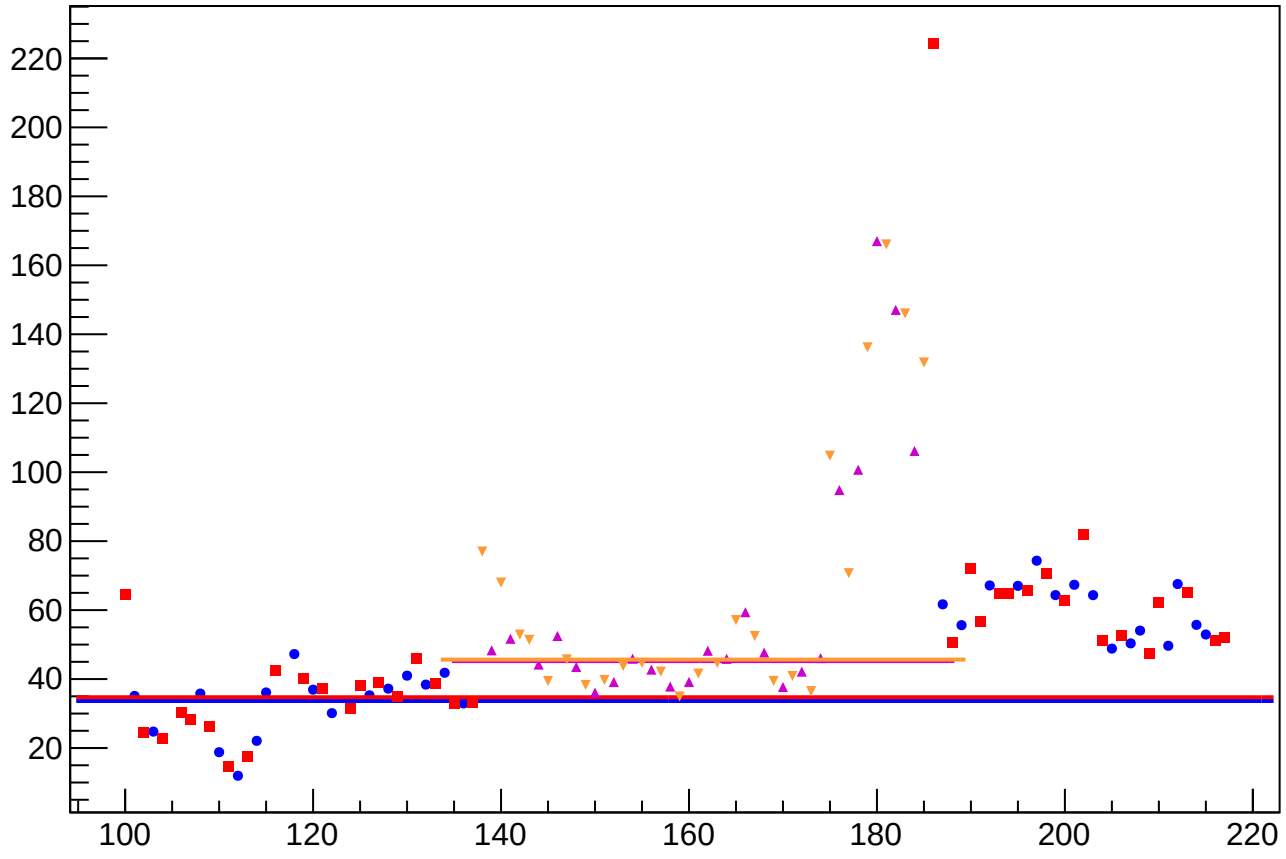
Right Out: -0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 63.8/55

All: -0.010+/-0.005 χ^2/NDF: 241.8/114

- sign -0.020+/-0.007 χ^2/NDF: 174.2/58



Right In: 33.648+/-0.006 χ^2/NDF: 8237421.1/30

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

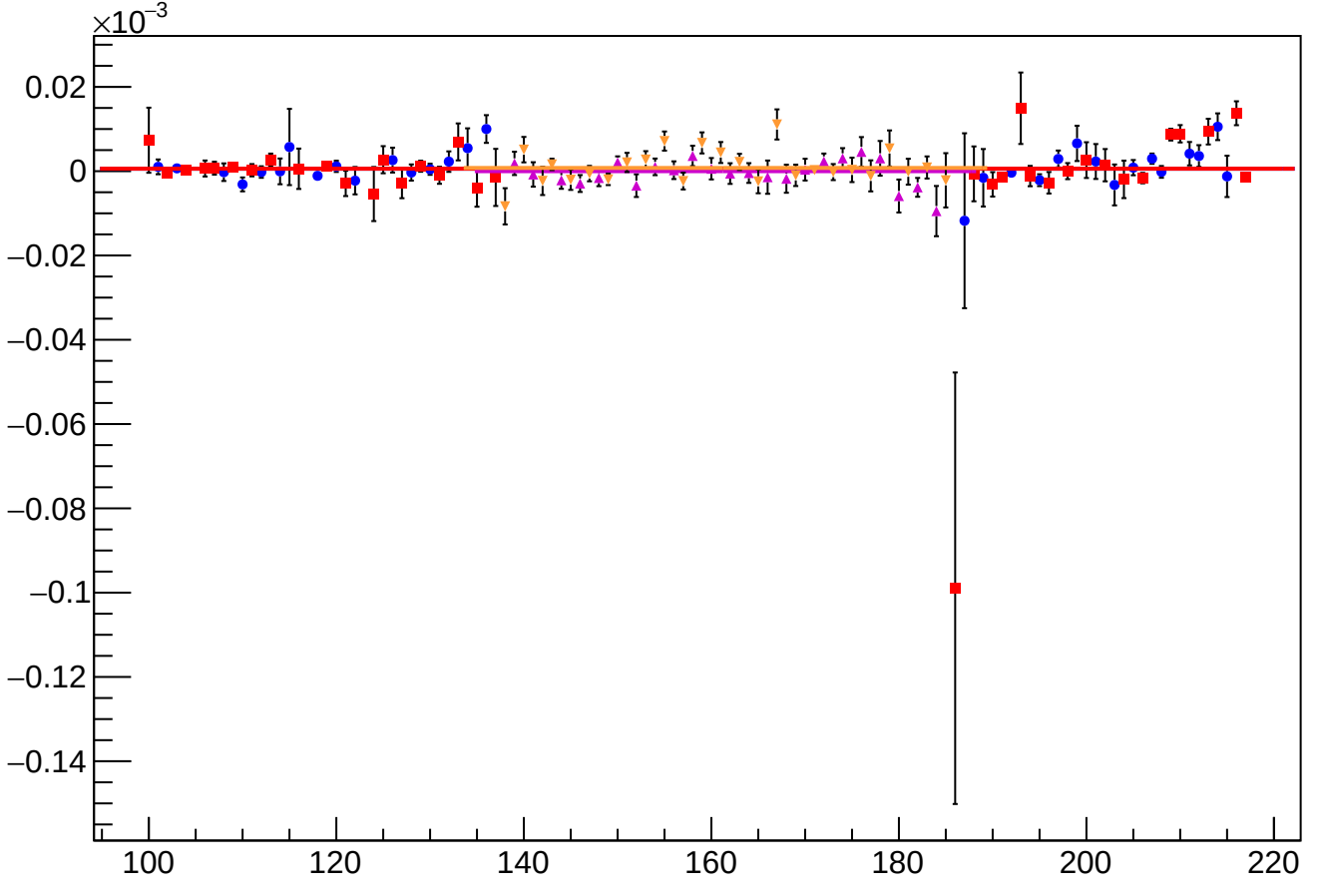
Right Out: 34.731+/-0.006 χ^2/NDF: 8093350.5/35

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.225+/-0.005 χ^2/NDF: 13654675.8/55

All: 38.424+/-0.003 χ^2/NDF: 25805096.1/114

- sign 38.622+/-0.005 χ^2/NDF: 12147157.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

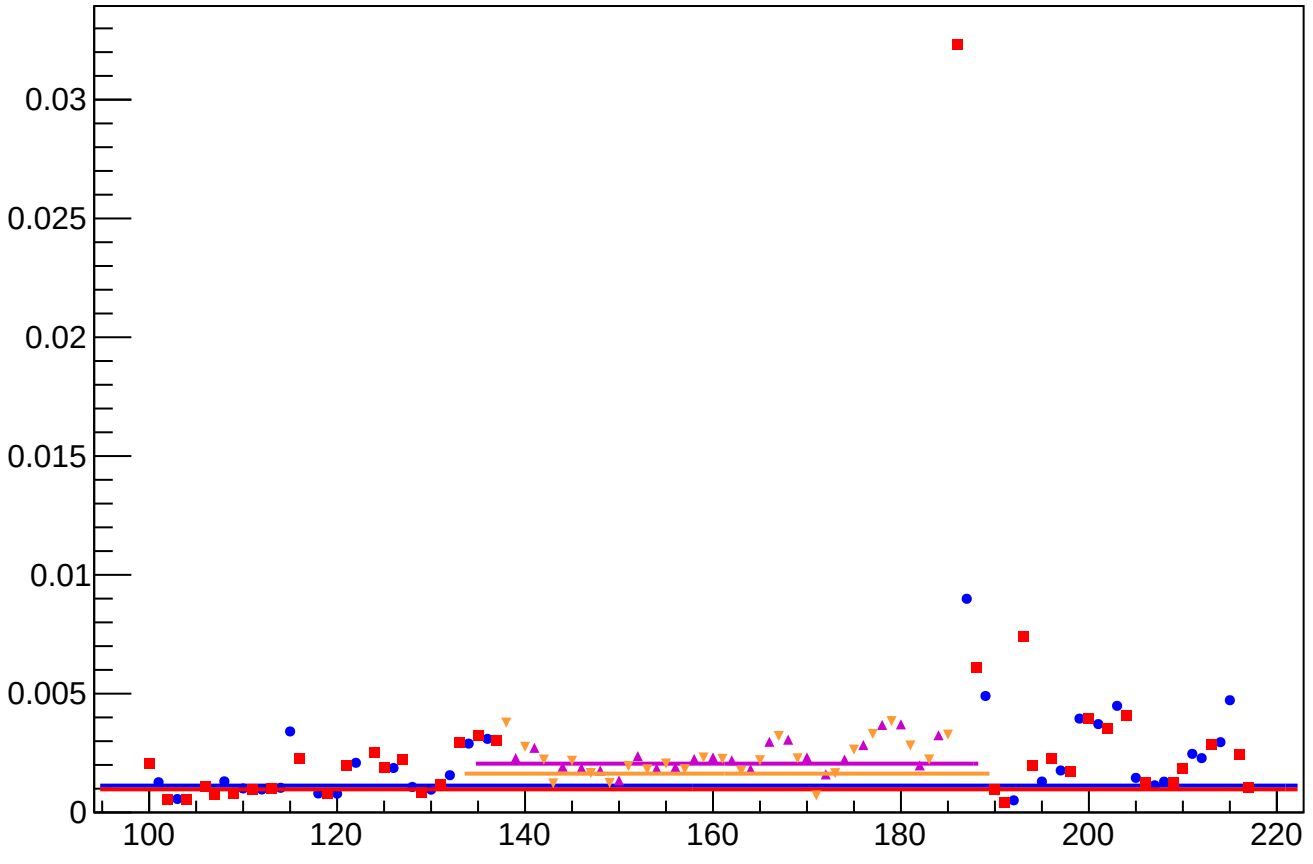
Right Out: 0.000+/-0.000 χ^2/NDF: 116.0/35

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 92.4/55

All: 0.000+/-0.000 χ^2/NDF: 234.2/114

- sign 0.000+/-0.000 χ^2/NDF: 141.5/58



Right In: 0.001+/-0.000 χ^2/NDF: 10217723.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

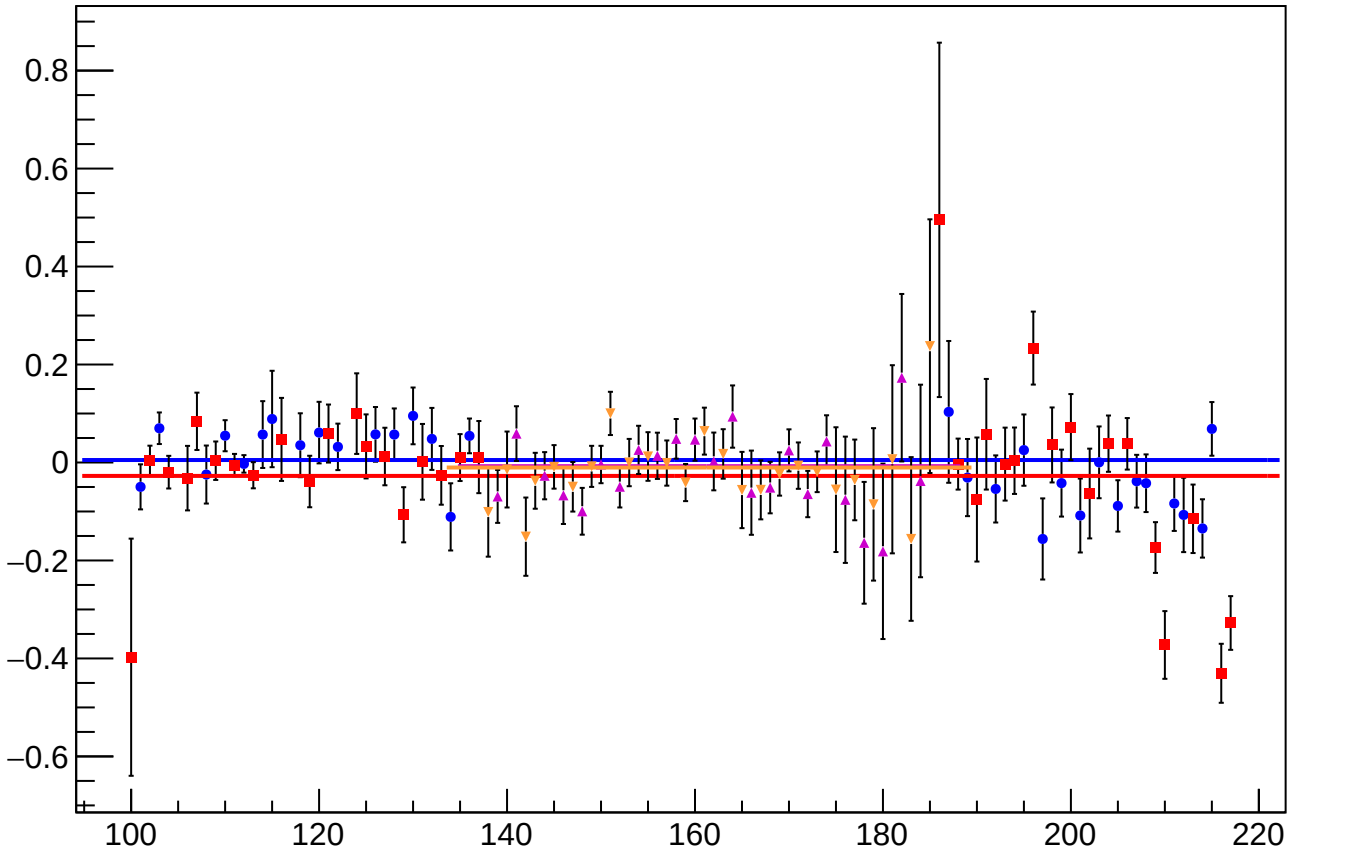
Right Out: 0.001+/-0.000 χ^2/NDF: 13782305.3/35

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18594637.2/55

All: 0.001+/-0.000 χ^2/NDF: 41831262.0/114

- sign 0.001+/-0.000 χ^2/NDF: 23074400.1/58



Right In: 0.005+/-0.009 χ^2/NDF: 44.5/30

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

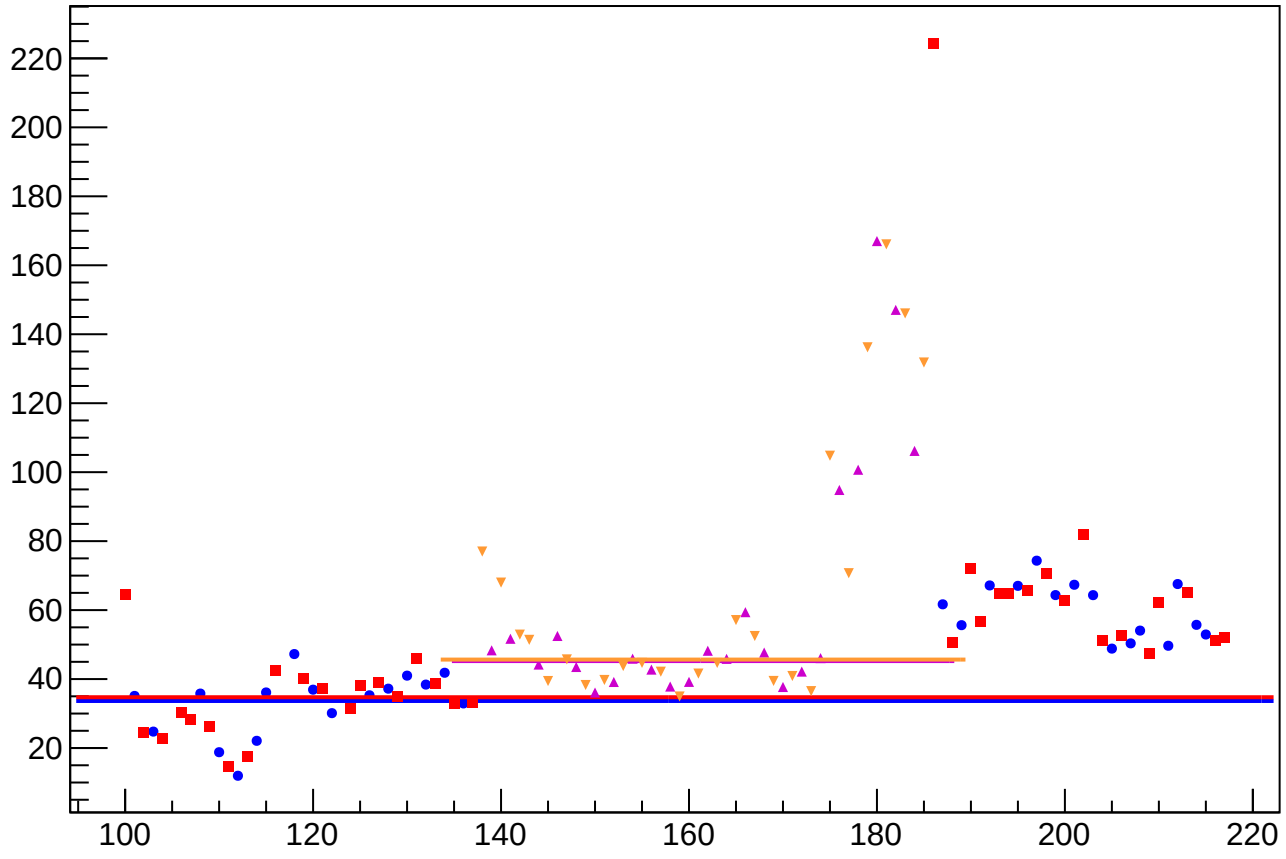
Right Out: -0.027+/-0.009 χ^2/NDF: 149.0/35

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 63.7/55

All: -0.010+/-0.005 χ^2/NDF: 241.8/114

- sign -0.020+/-0.007 χ^2/NDF: 174.2/58



Right In: 33.648+/-0.006 χ^2/NDF: 8237713.7/30

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

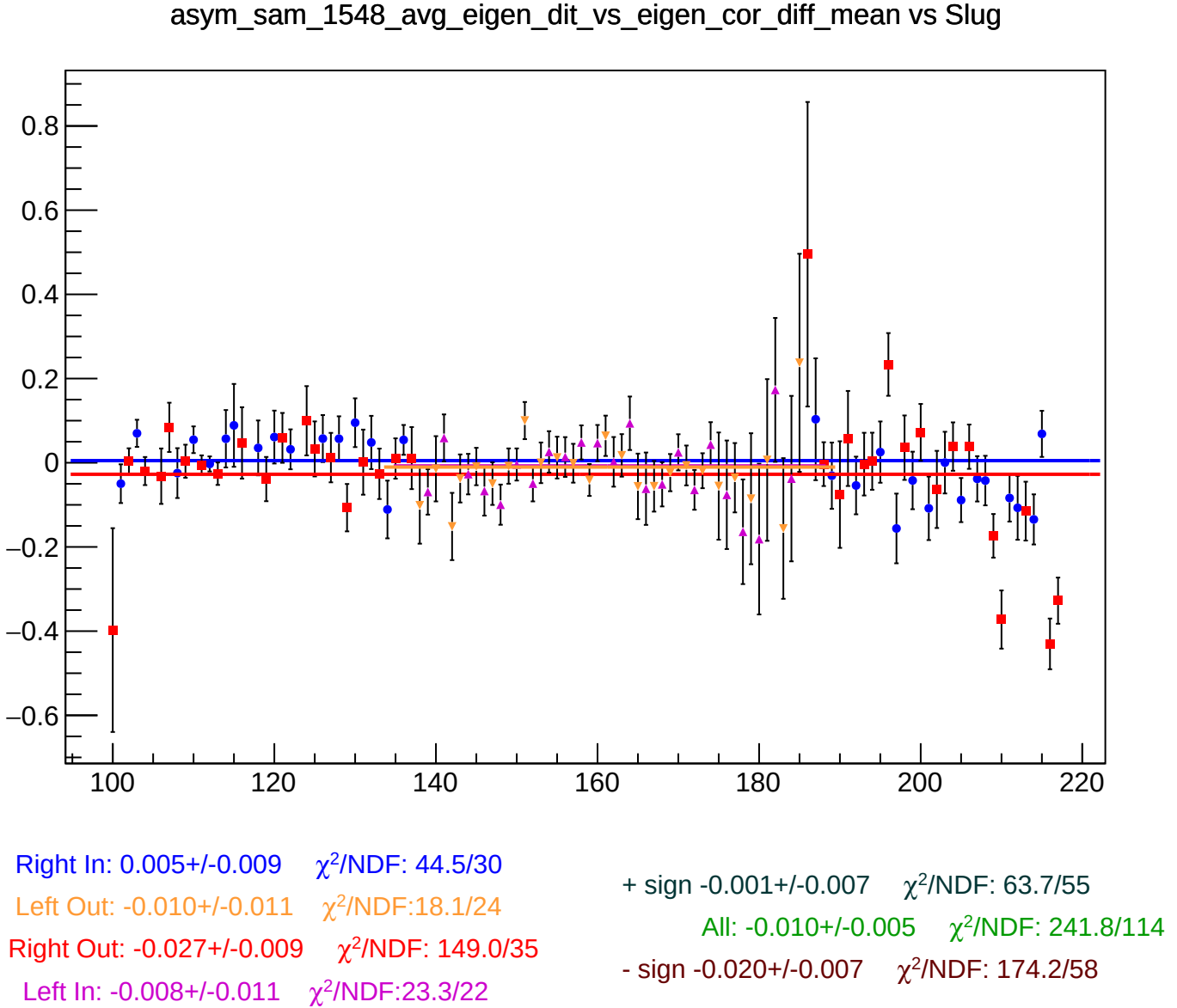
Right Out: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

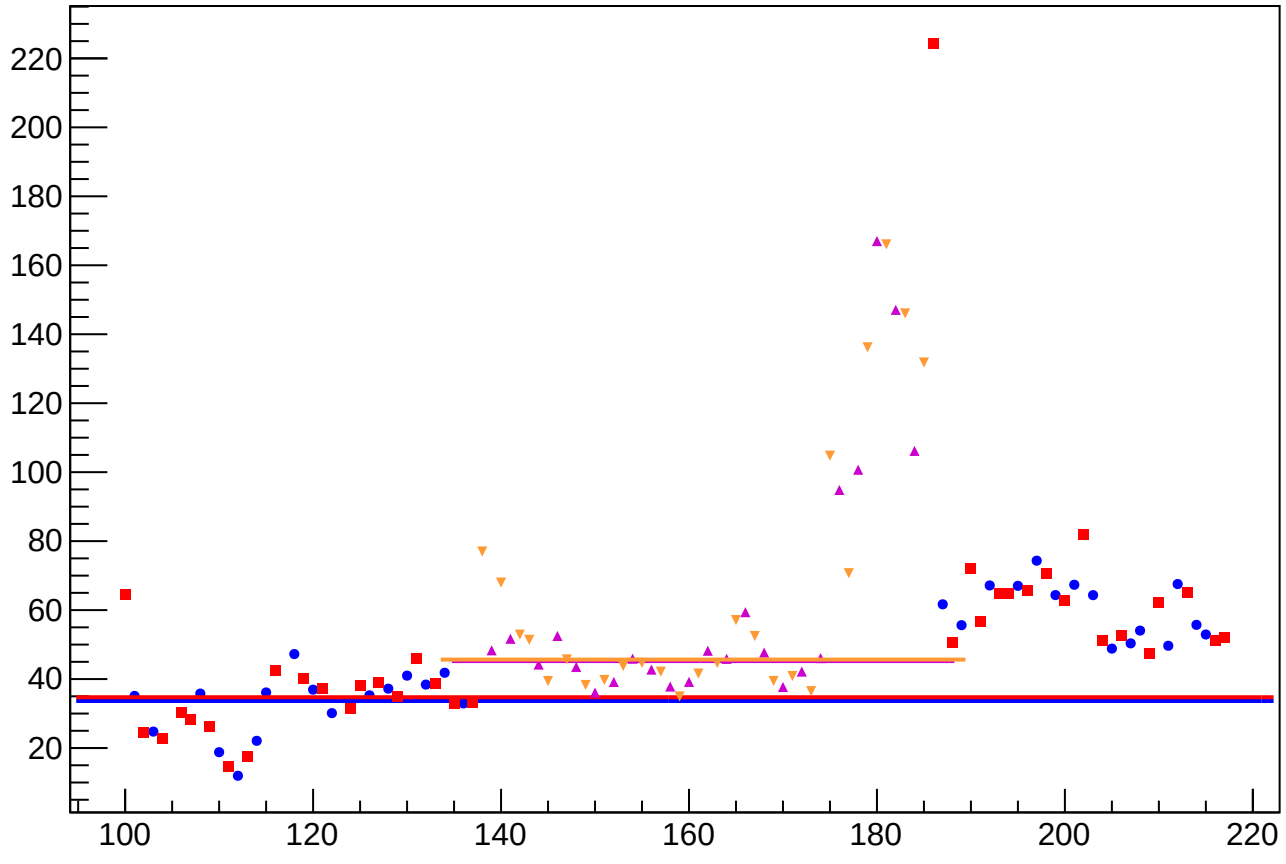
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.225+/-0.005 χ^2/NDF: 13655129.4/55

All: 38.424+/-0.003 χ^2/NDF: 25805894.1/114

- sign 38.622+/-0.005 χ^2/NDF: 12147498.9/58


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: 0.005+/-0.009 χ²/NDF: 44.5/30
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.027+/-0.009 χ²/NDF: 149.0/35
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.001+/-0.007 χ²/NDF: 63.7/55
All: -0.010+/-0.005 χ²/NDF: 241.8/114
- sign -0.020+/-0.007 χ²/NDF: 174.2/58



Right In: 33.648+/-0.006 χ^2/NDF: 8237713.7/30

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

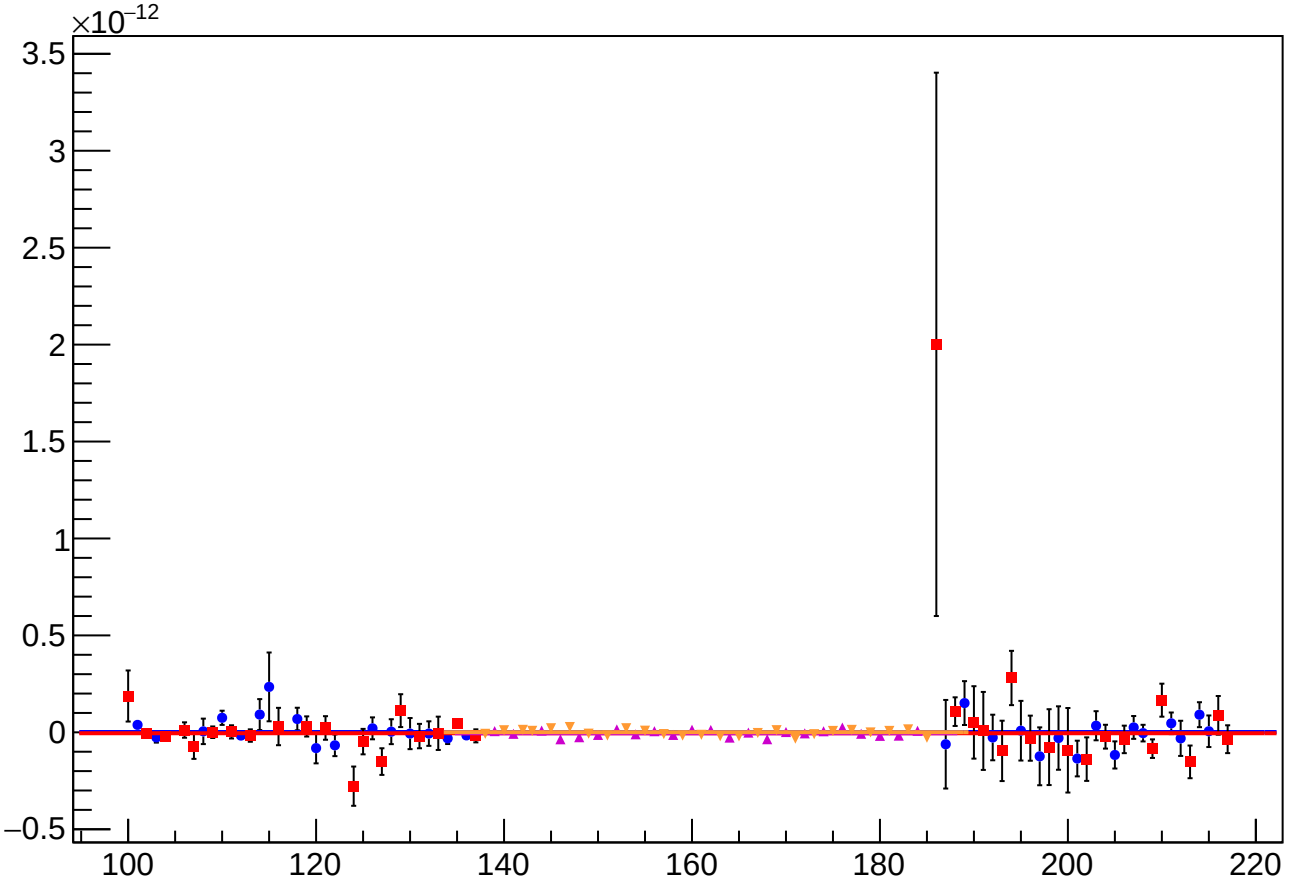
Right Out: 34.730+/-0.006 χ^2/NDF: 8093602.7/35

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.225+/-0.005 χ^2/NDF: 13655129.4/55

All: 38.424+/-0.003 χ^2/NDF: 25805894.1/114

- sign 38.622+/-0.005 χ^2/NDF: 12147498.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

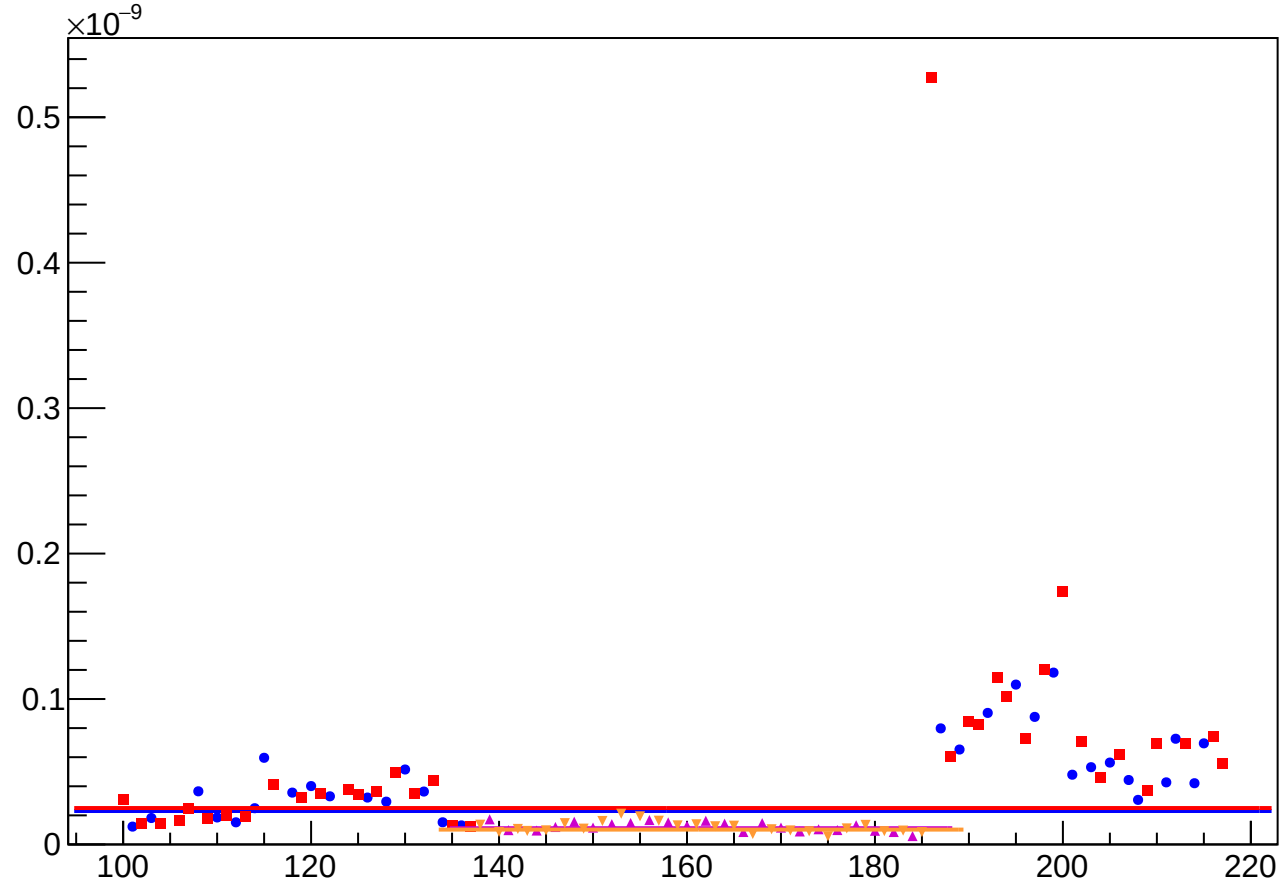
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/35

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/55

All: -0.000+/-0.000 χ^2/NDF: 125.9/114

- sign -0.000+/-0.000 χ^2/NDF: 69.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 8259908.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9753174.6/35

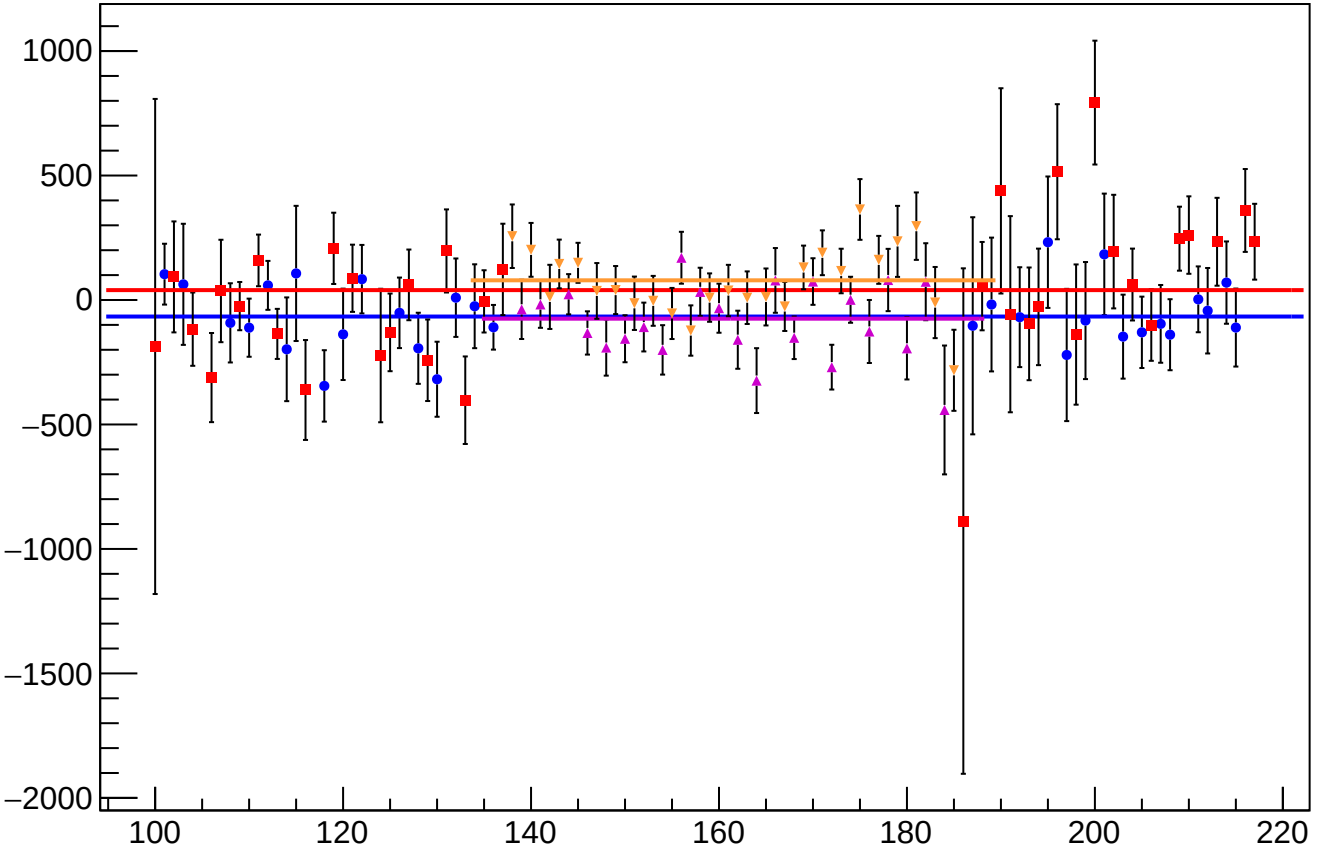
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15063839.6/55

All: 0.000+/-0.000 χ^2/NDF: 31235796.3/114

- sign 0.000+/-0.000 χ^2/NDF: 16006205.9/58

reg_asym_sam_3748_avg_mean vs Slug



Right In: -66.433+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.681+/-27.664 χ^2/NDF: 55.6/35

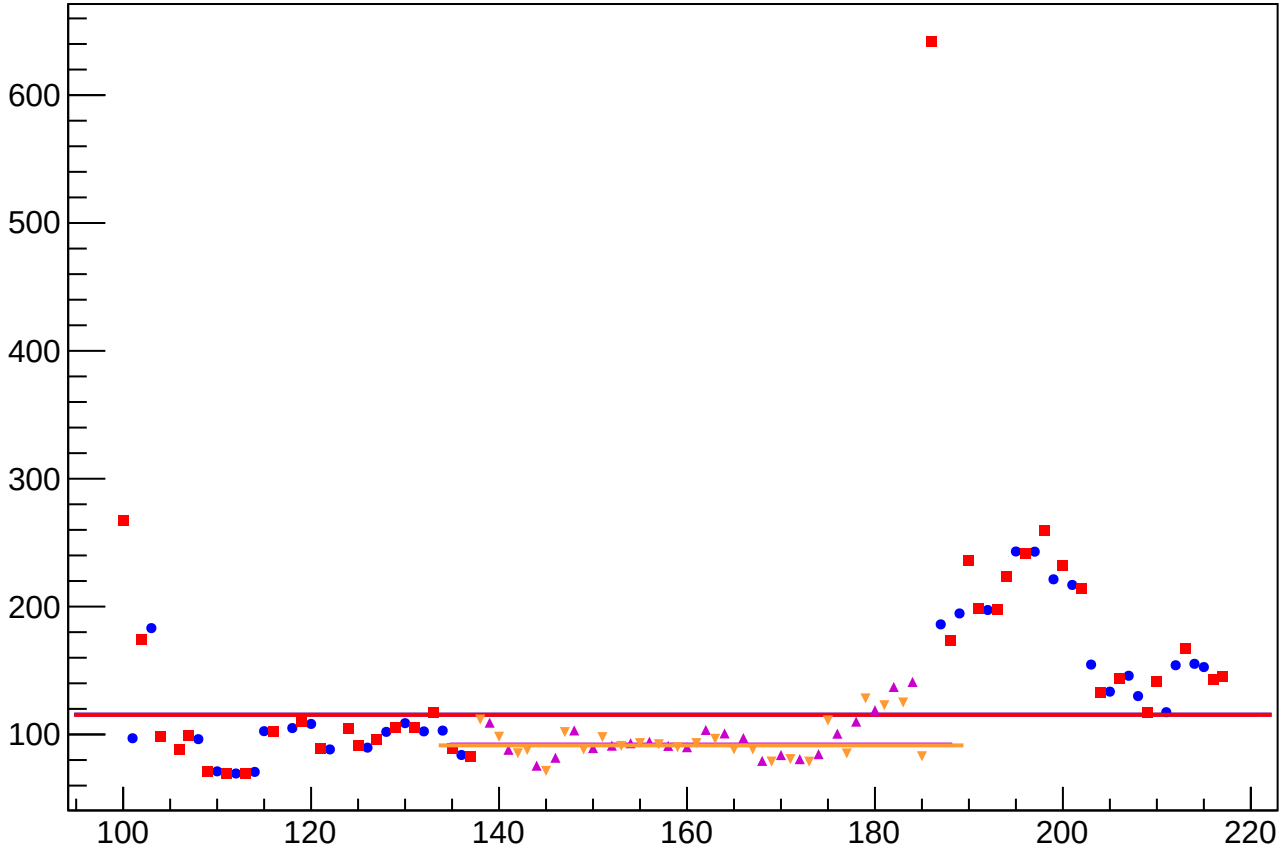
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 26.779+/-16.888 χ^2/NDF: 67.6/55

All: -1.685+/-12.030 χ^2/NDF: 172.2/114

- sign -31.005+/-17.140 χ^2/NDF: 98.8/58

reg_asym_sam_3748_avg_rms vs Slug



Right In: 115.492+/-0.020 χ^2/NDF: 4309295.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

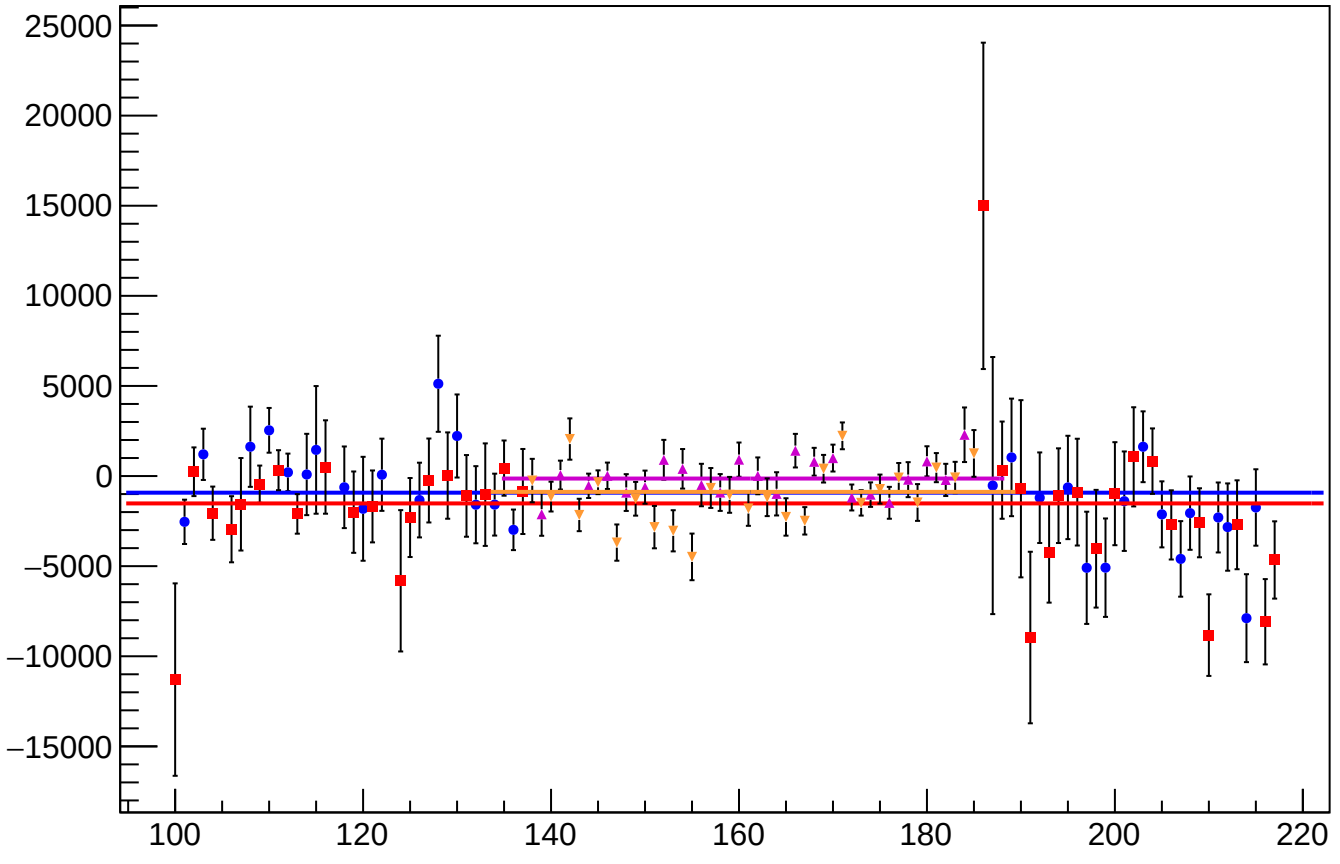
Right Out: 115.387+/-0.020 χ^2/NDF: 5789790.3/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.101+/-0.012 χ^2/NDF: 5992929.1/55

All: 100.563+/-0.009 χ^2/NDF: 13358473.1/11

- sign 101.040+/-0.012 χ^2/NDF: 7362497.4/58



Right In: -923.123+/-347.214 χ^2/NDF: 45.3/30

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1518.839+/-337.093 χ^2/NDF: 46.1/35

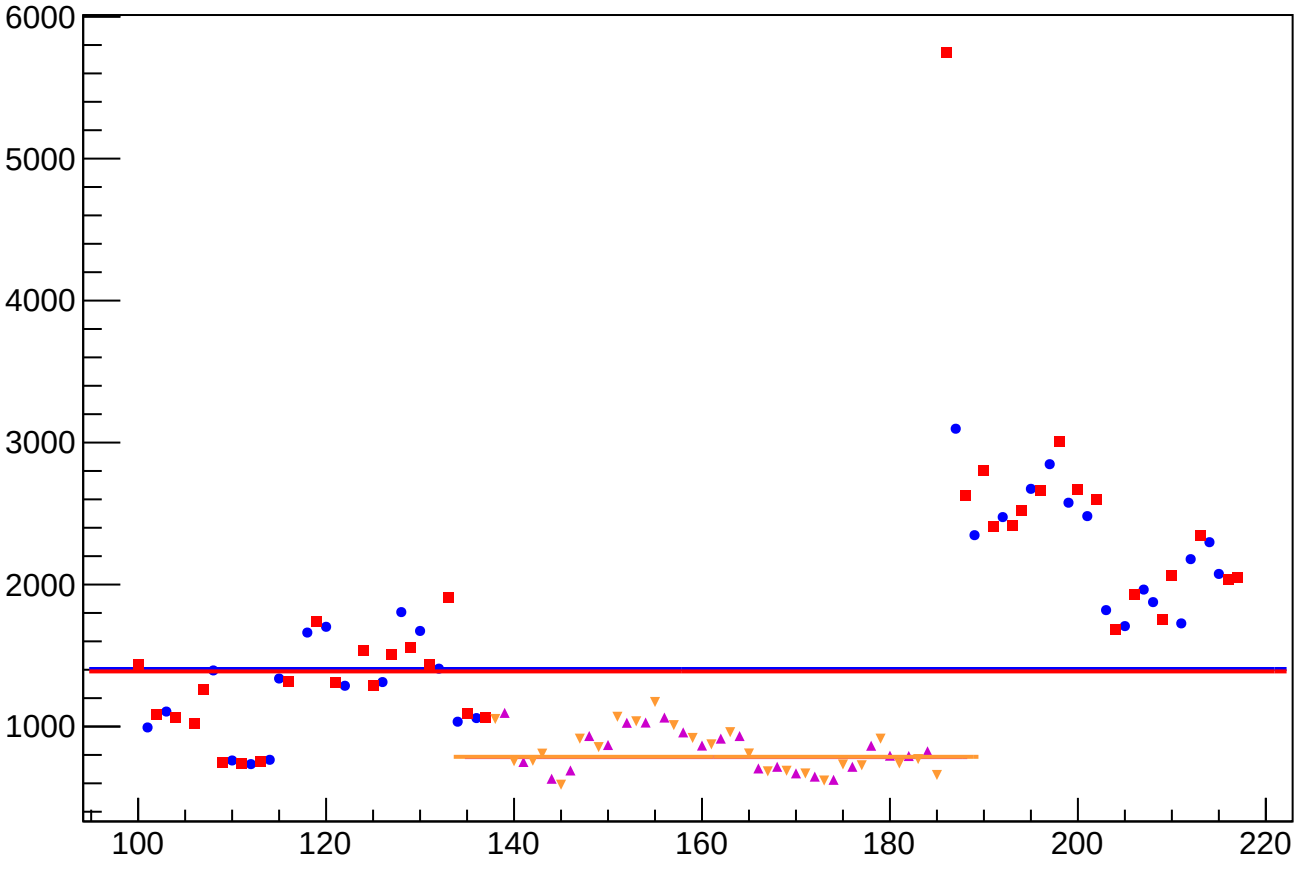
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -888.104+/-161.328 χ^2/NDF: 113.1/55

All: -677.740+/-114.745 χ^2/NDF: 199.6/114

- sign -462.365+/-163.238 χ^2/NDF: 83.1/58

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1405.267+/-0.246 χ^2/NDF: 5509705.6/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1388.285+/-0.238 χ^2/NDF: 7193365.8/35

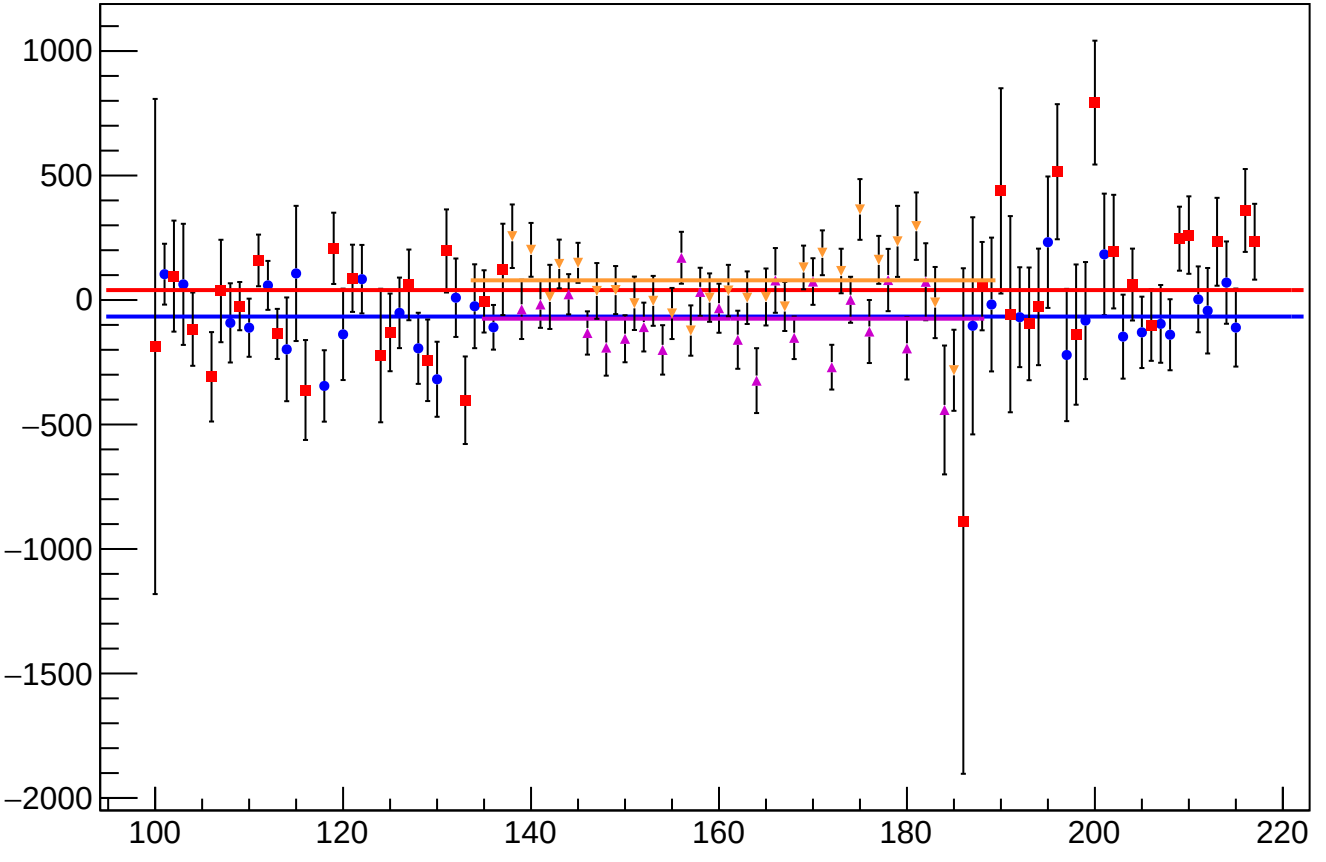
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 920.285+/-0.114 χ^2/NDF: 11696889.5/55

All: 923.278+/-0.081 χ^2/NDF: 24861764.3/11

- sign 926.343+/-0.115 χ^2/NDF: 13163481.3/58

cor_asym_sam_3748_avg_mean vs Slug



Right In: -66.443+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.851+/-27.666 χ^2/NDF: 55.5/35

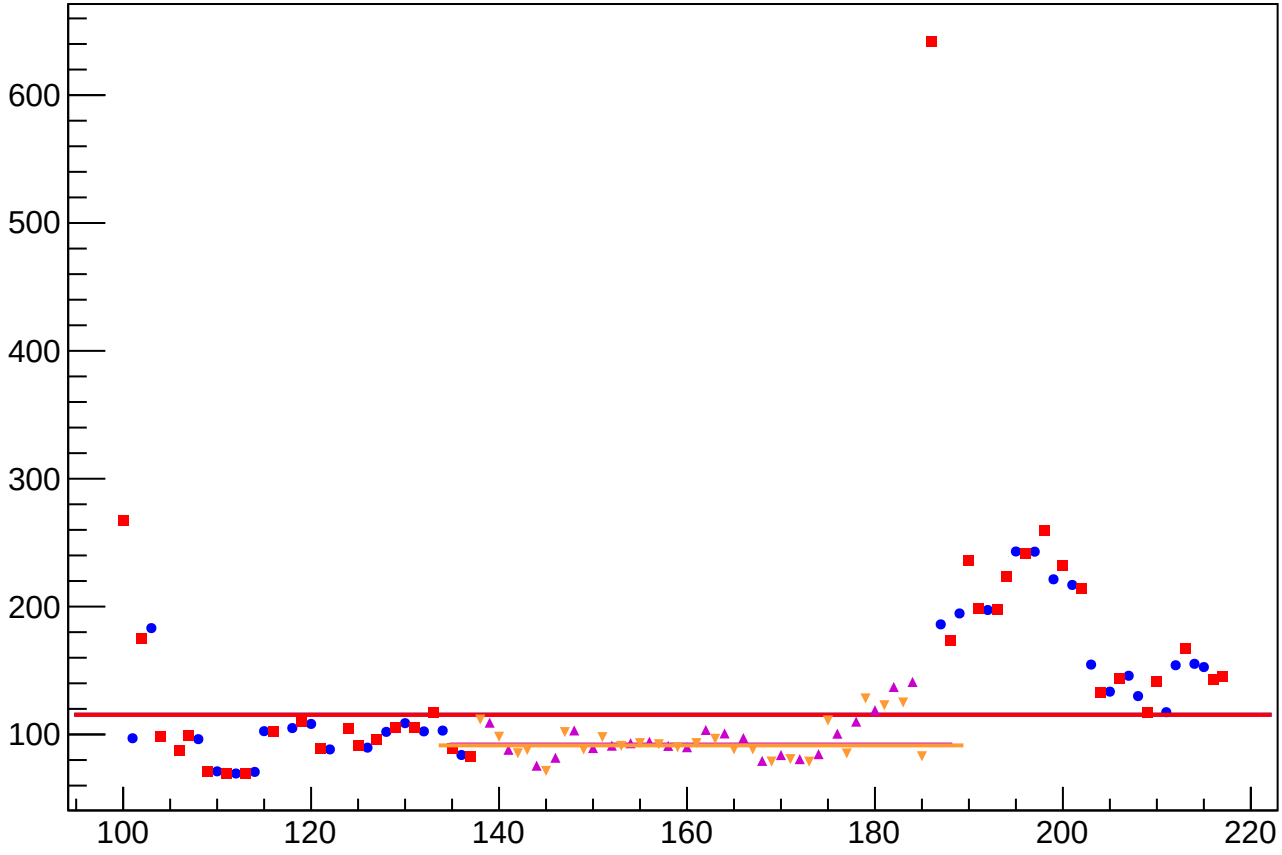
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 26.781+/-16.888 χ^2/NDF: 67.6/55

All: -1.653+/-12.030 χ^2/NDF: 172.2/114

- sign -30.945+/-17.141 χ^2/NDF: 98.8/58

cor_asym_sam_3748_avg_rms vs Slug



Right In: 115.492+/-0.020 χ^2/NDF: 4309298.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

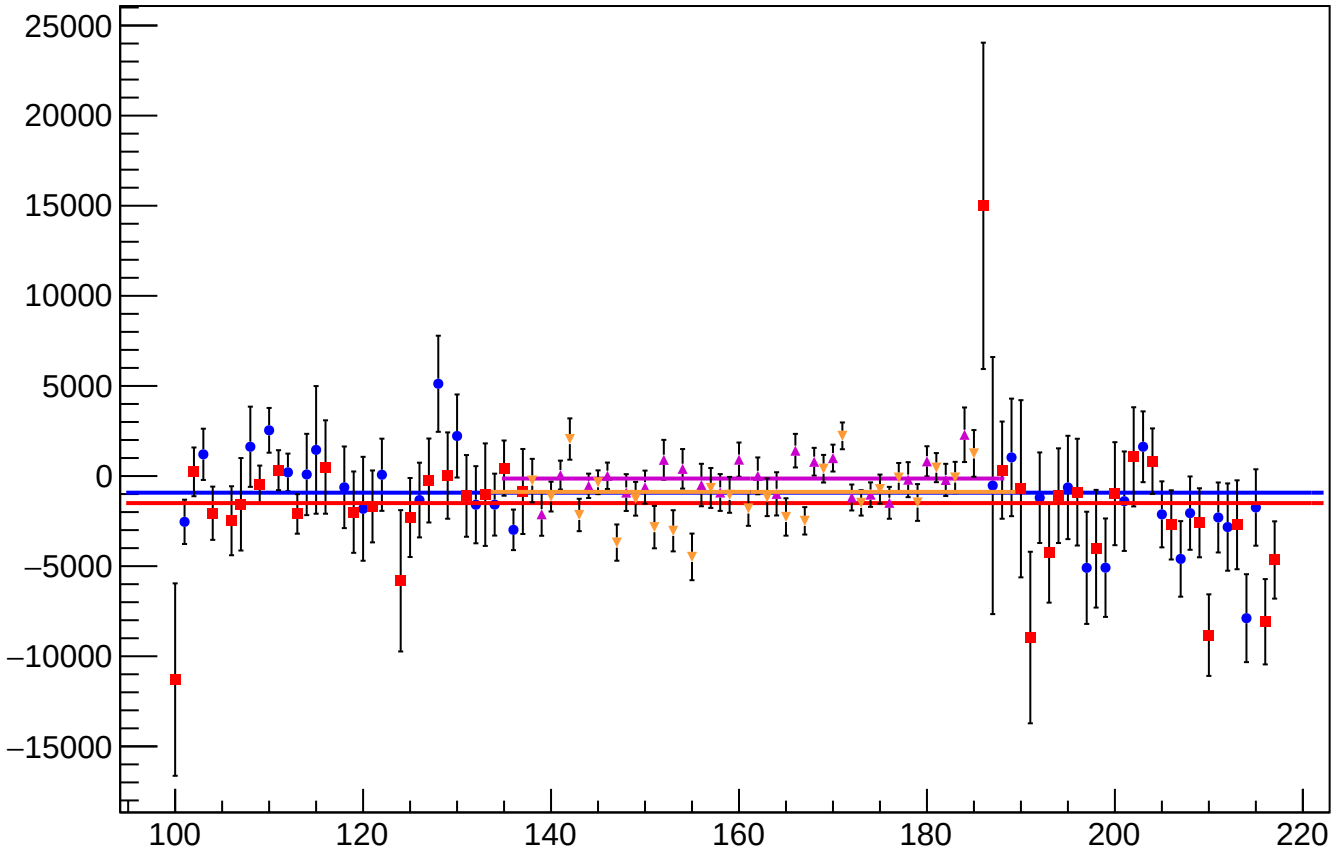
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.101+/-0.012 χ^2/NDF: 5992932.2/55

All: 100.558+/-0.009 χ^2/NDF: 13360709.9/11

- sign 101.029+/-0.012 χ^2/NDF: 7364803.3/58

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -923.144+/-347.216 χ^2/NDF: 45.3/30

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1500.786+/-337.573 χ^2/NDF: 45.7/35

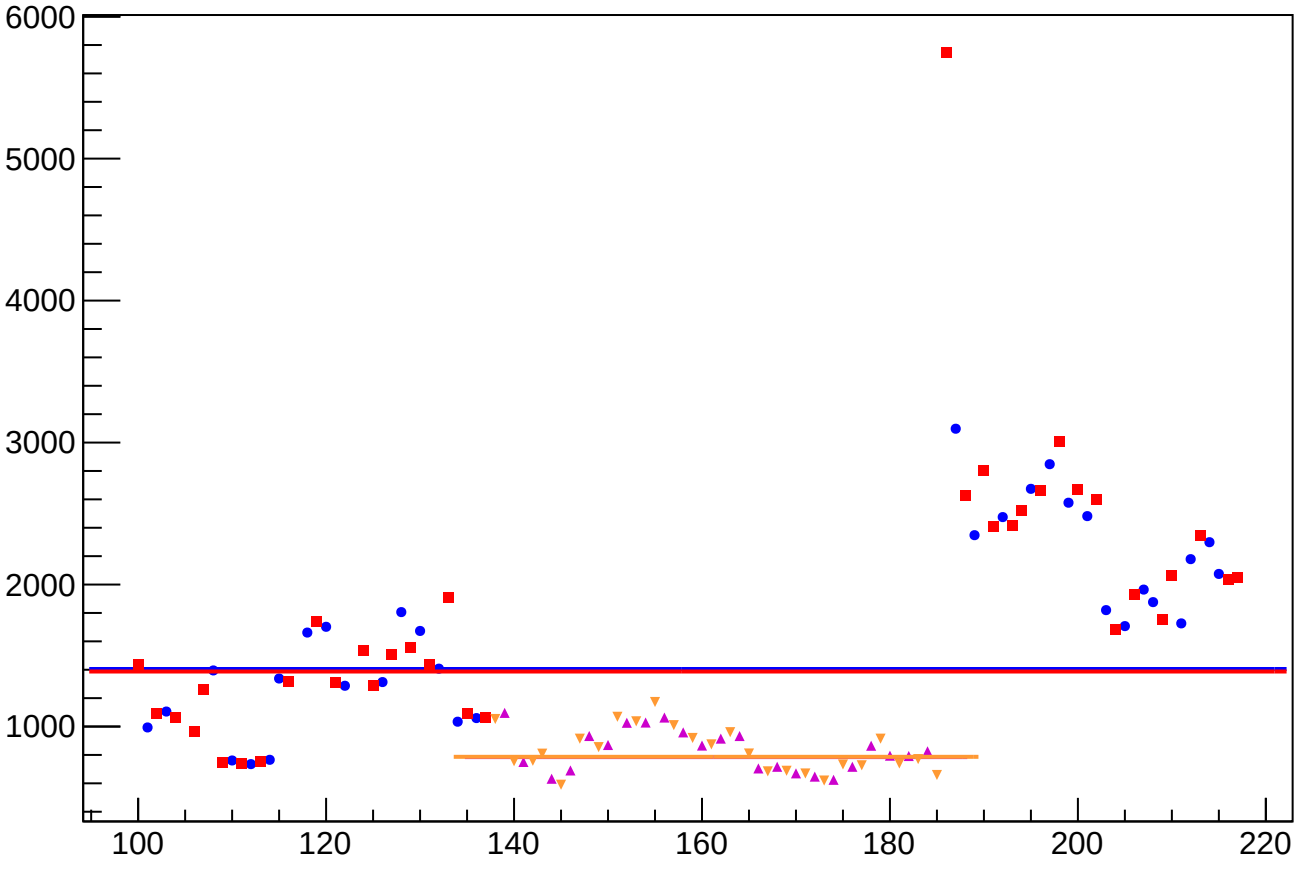
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -888.101+/-161.328 χ^2/NDF: 113.1/55

All: -675.376+/-114.764 χ^2/NDF: 199.0/114

- sign -457.437+/-163.293 χ^2/NDF: 82.4/58

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1405.277+/-0.246 χ^2/NDF: 5509629.7/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

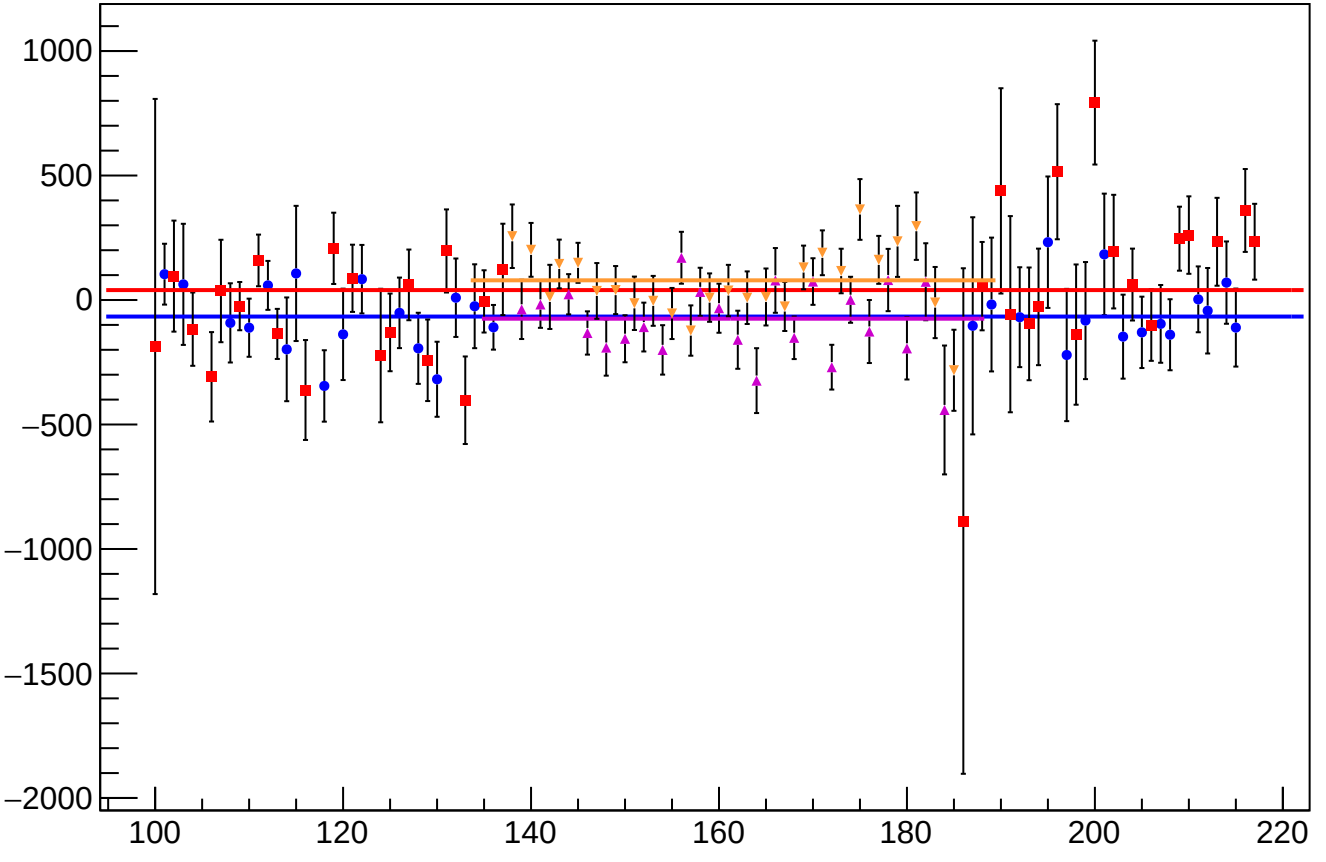
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 920.286+/-0.114 χ^2/NDF: 11696926.9/55

All: 923.046+/-0.081 χ^2/NDF: 24857051.7/11

- sign 925.874+/-0.115 χ^2/NDF: 13158939.5/58

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -66.443+/-28.166 χ^2/NDF: 18.6/30

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 39.851+/-27.666 χ^2/NDF: 55.5/35

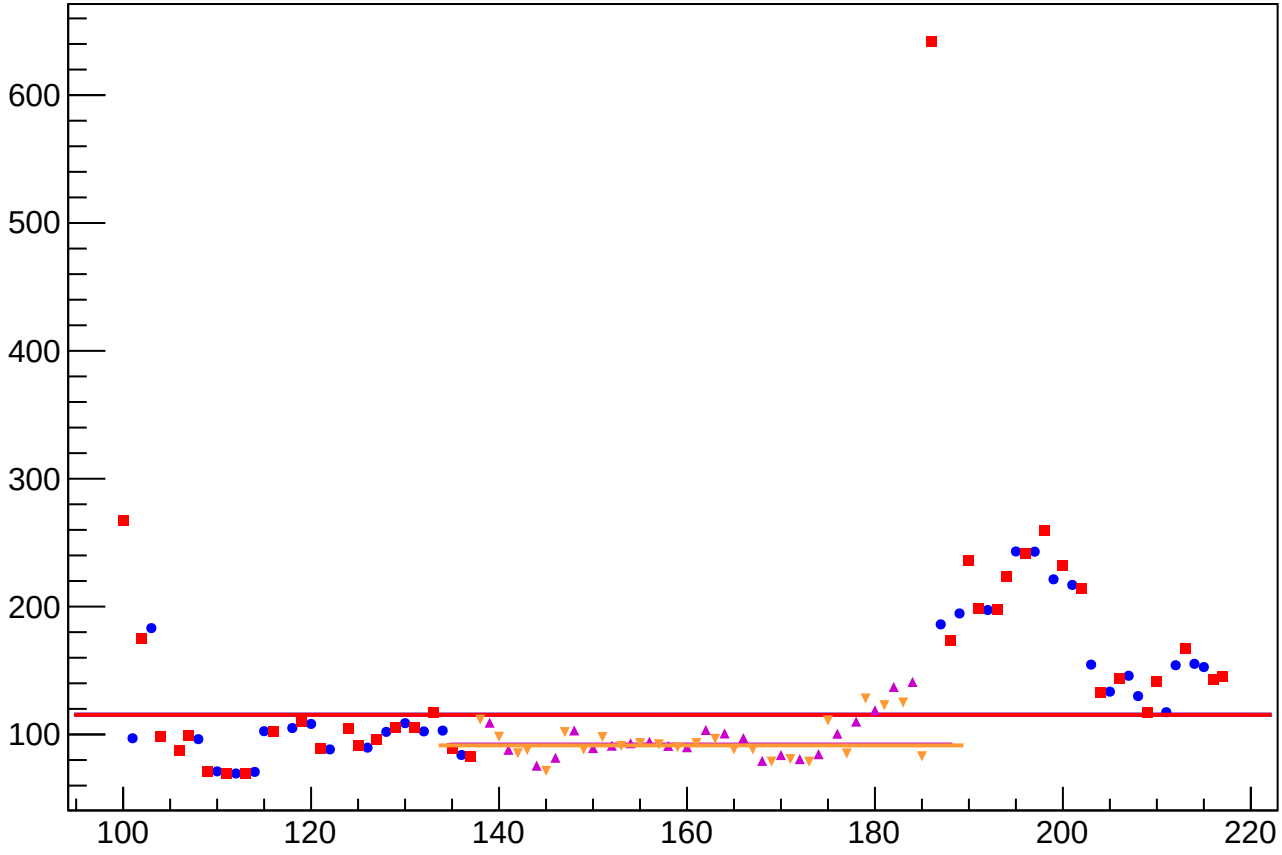
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 26.781+/-16.888 χ^2/NDF: 67.6/55

All: -1.653+/-12.030 χ^2/NDF: 172.2/114

- sign -30.945+/-17.141 χ^2/NDF: 98.8/58

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 115.492+/-0.020 χ^2/NDF: 4309298.4/30

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

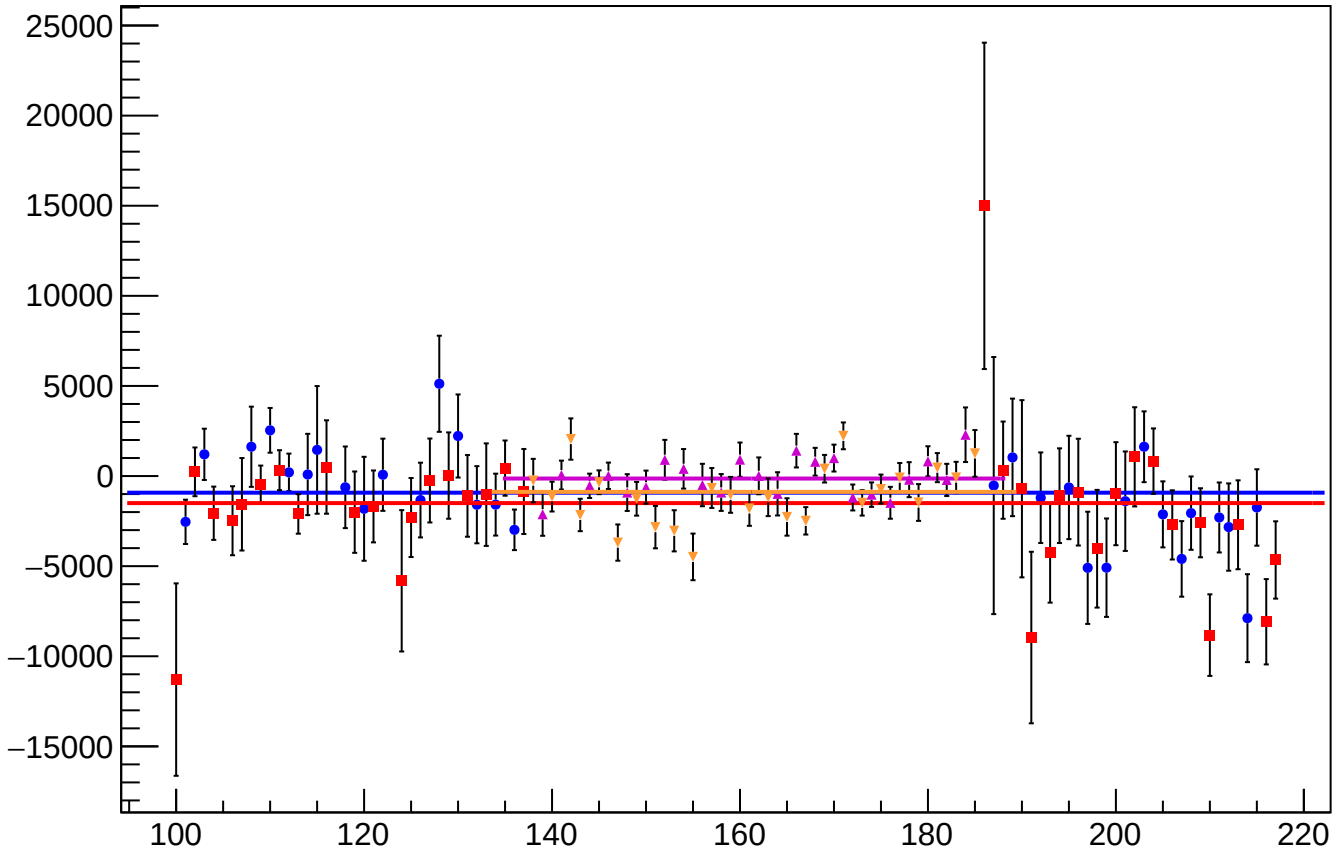
Right Out: 115.360+/-0.020 χ^2/NDF: 5794200.4/35

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 100.101+/-0.012 χ^2/NDF: 5992932.2/55

All: 100.558+/-0.009 χ^2/NDF: 13360709.9/11

- sign 101.029+/-0.012 χ^2/NDF: 7364803.3/58



Right In: -923.144+/-347.216 χ^2/NDF: 45.3/30

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

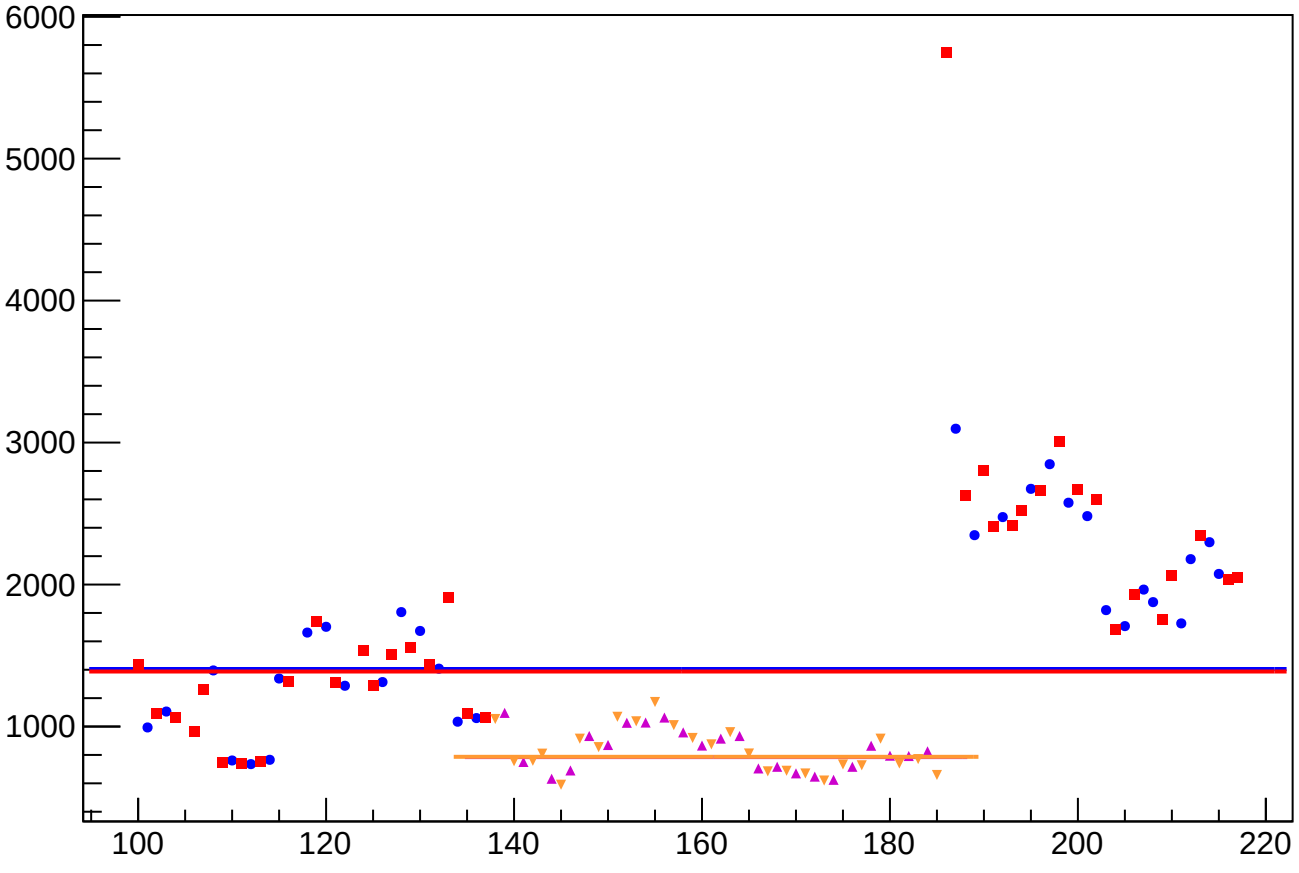
Right Out: -1500.786+/-337.573 χ^2/NDF: 45.7/35

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -888.101+/-161.328 χ^2/NDF: 113.1/55

All: -675.376+/-114.764 χ^2/NDF: 199.0/114

- sign -457.437+/-163.293 χ^2/NDF: 82.4/58



Right In: 1405.277+/-0.246 χ^2/NDF: 5509629.7/30

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1387.597+/-0.239 χ^2/NDF: 7210666.9/35

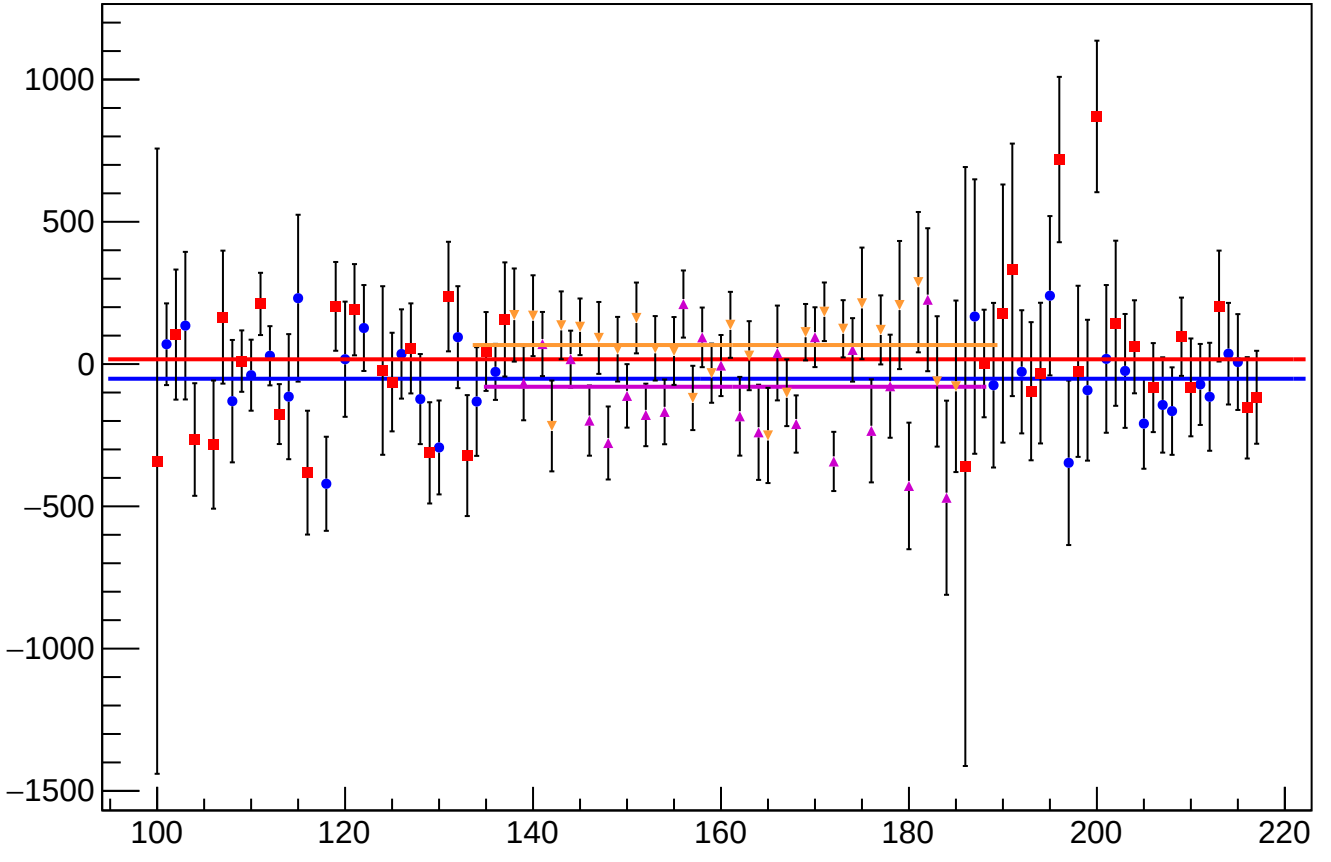
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 920.286+/-0.114 χ^2/NDF: 11696926.9/55

All: 923.046+/-0.081 χ^2/NDF: 24857051.7/11

- sign 925.874+/-0.115 χ^2/NDF: 13158939.5/58

dit_asym_sam_3748_avg_mean vs Slug



Right In: -51.560+/-31.043 χ^2/NDF: 17.8/30

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 16.781+/-30.601 χ^2/NDF: 46.0/35

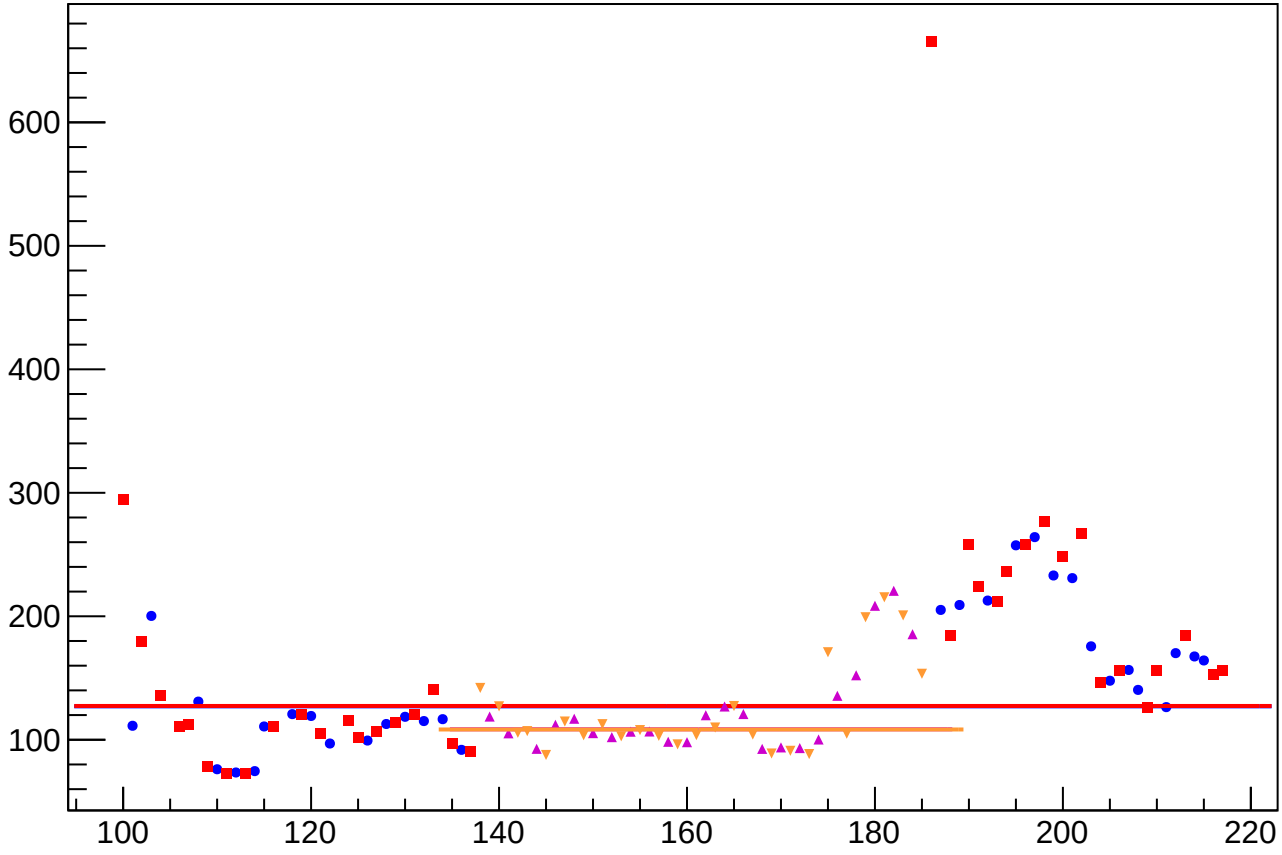
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 18.983+/-19.743 χ^2/NDF: 46.1/55

All: -9.590+/-14.031 χ^2/NDF: 139.0/114

- sign -38.751+/-19.945 χ^2/NDF: 88.6/58

dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.058+/-0.022 χ^2/NDF: 4236975.4/30

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 127.370+/-0.022 χ^2/NDF: 5733451.9/35

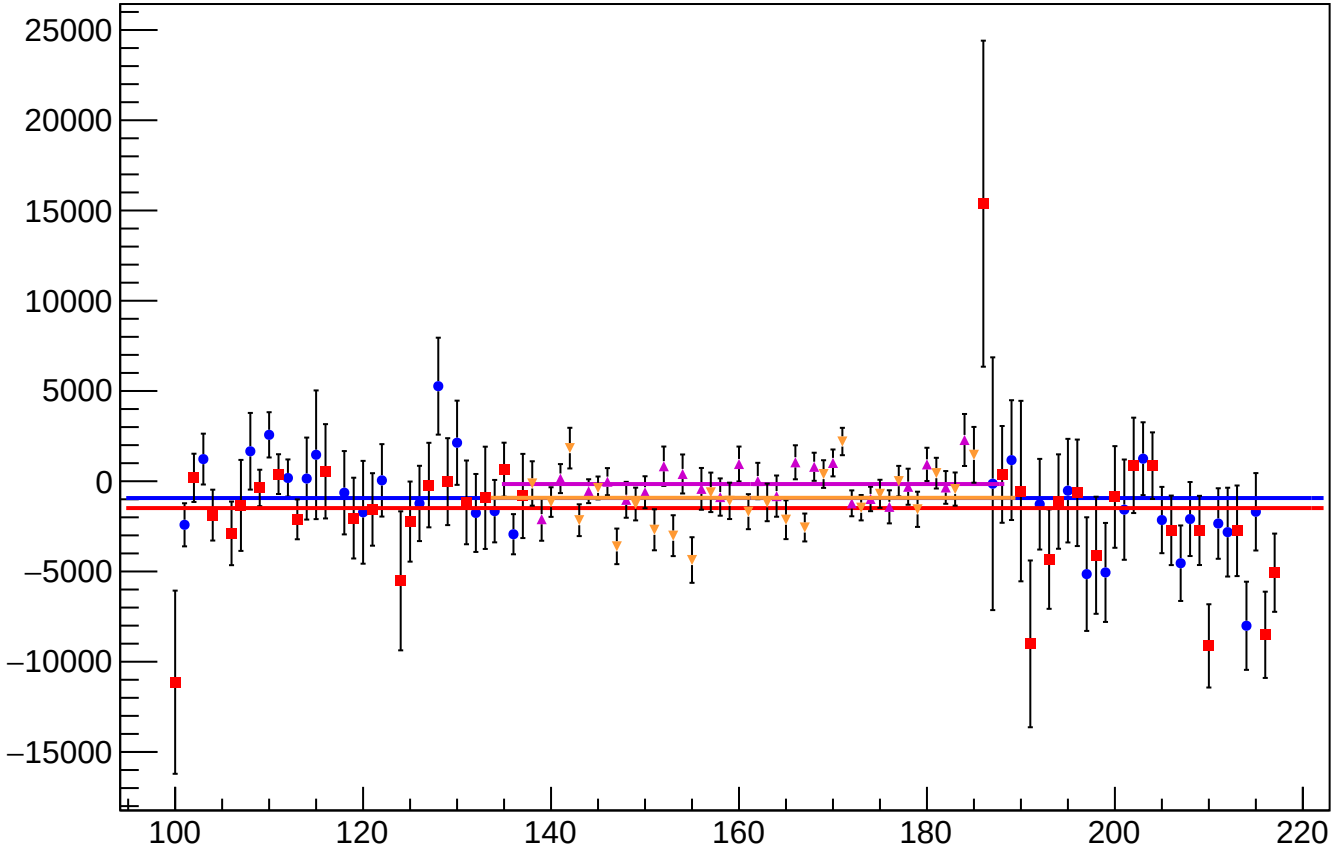
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 115.905+/-0.014 χ^2/NDF: 6445045.4/55

All: 116.205+/-0.010 χ^2/NDF: 13996624.2/11

- sign 116.512+/-0.014 χ^2/NDF: 7550643.2/58

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -931.542+/-346.596 χ^2/NDF: 45.1/30

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1487.560+/-334.550 χ^2/NDF: 49.4/35

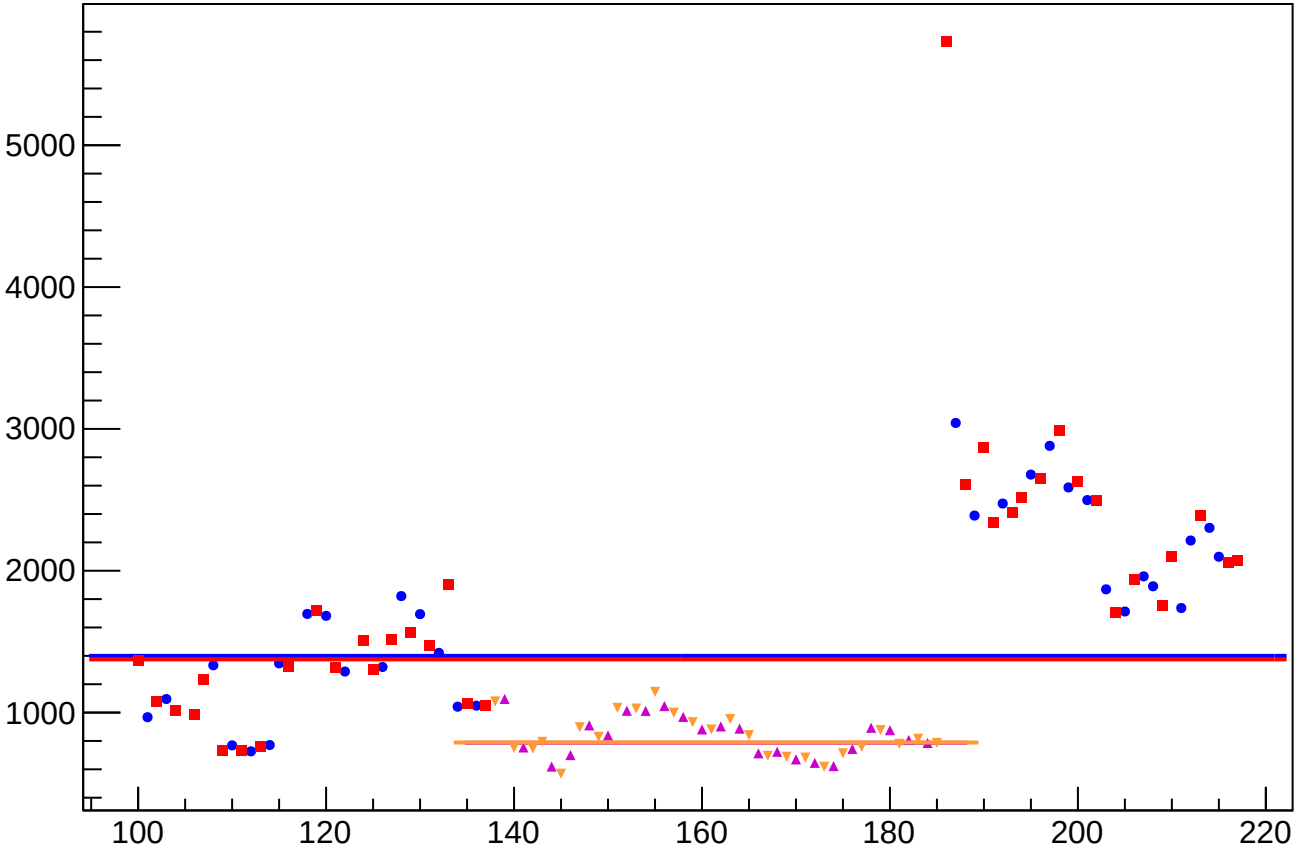
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -921.514+/-161.455 χ^2/NDF: 109.2/55

All: -699.910+/-114.816 χ^2/NDF: 197.5/114

- sign -473.191+/-163.308 χ^2/NDF: 84.6/58

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1399.925+/-0.245 χ^2/NDF: 5669945.2/30

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1374.922+/-0.237 χ^2/NDF: 7354284.7/35

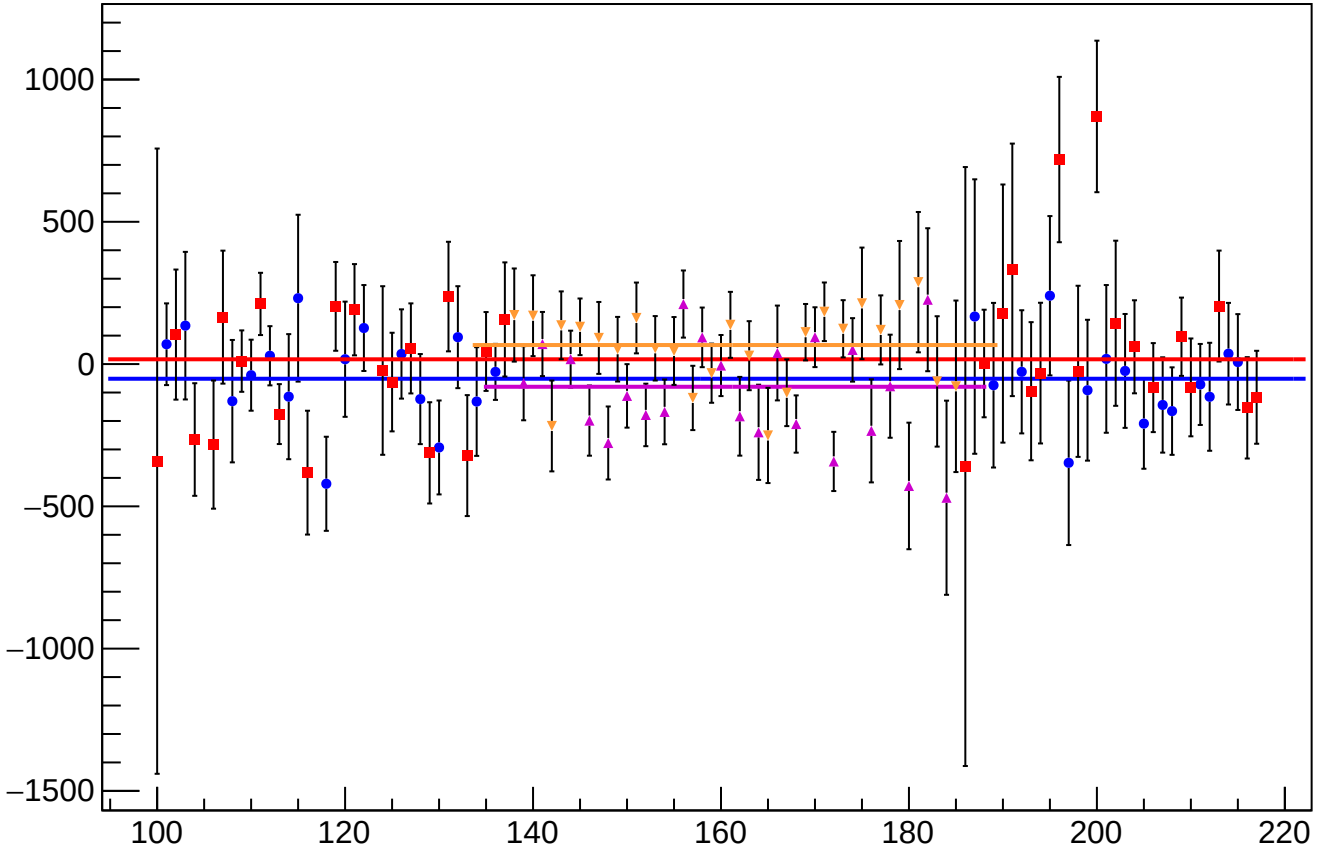
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 921.765+/-0.114 χ^2/NDF: 11708200.8/55

All: 924.545+/-0.081 χ^2/NDF: 24803639.0/11

- sign 927.388+/-0.115 χ^2/NDF: 13094239.1/58

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -51.558+/-31.043 χ^2/NDF: 17.8/30

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 16.783+/-30.601 χ^2/NDF: 46.0/35

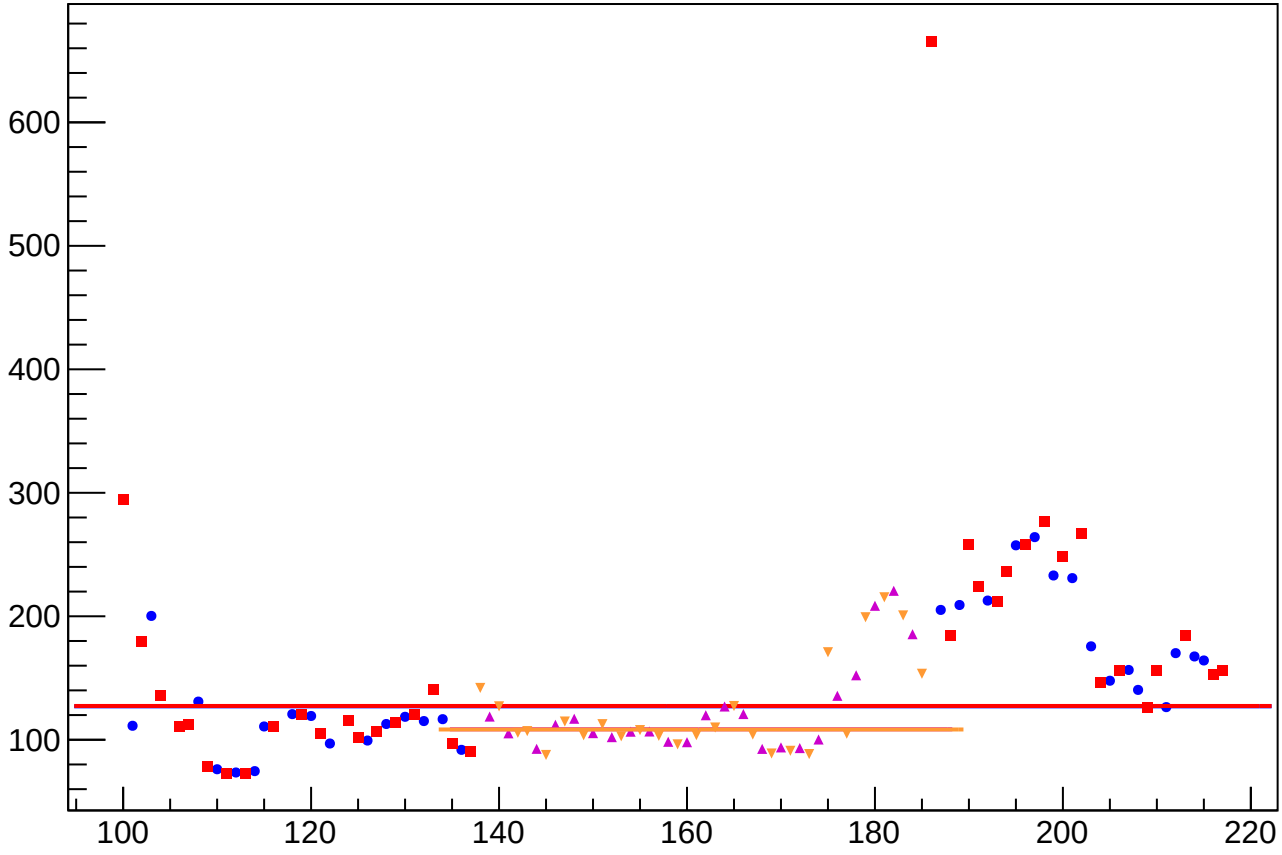
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 18.985+/-19.743 χ^2/NDF: 46.1/55

All: -9.589+/-14.031 χ^2/NDF: 139.0/114

- sign -38.750+/-19.945 χ^2/NDF: 88.6/58

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 127.058+/-0.022 χ^2/NDF: 4236958.4/30

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

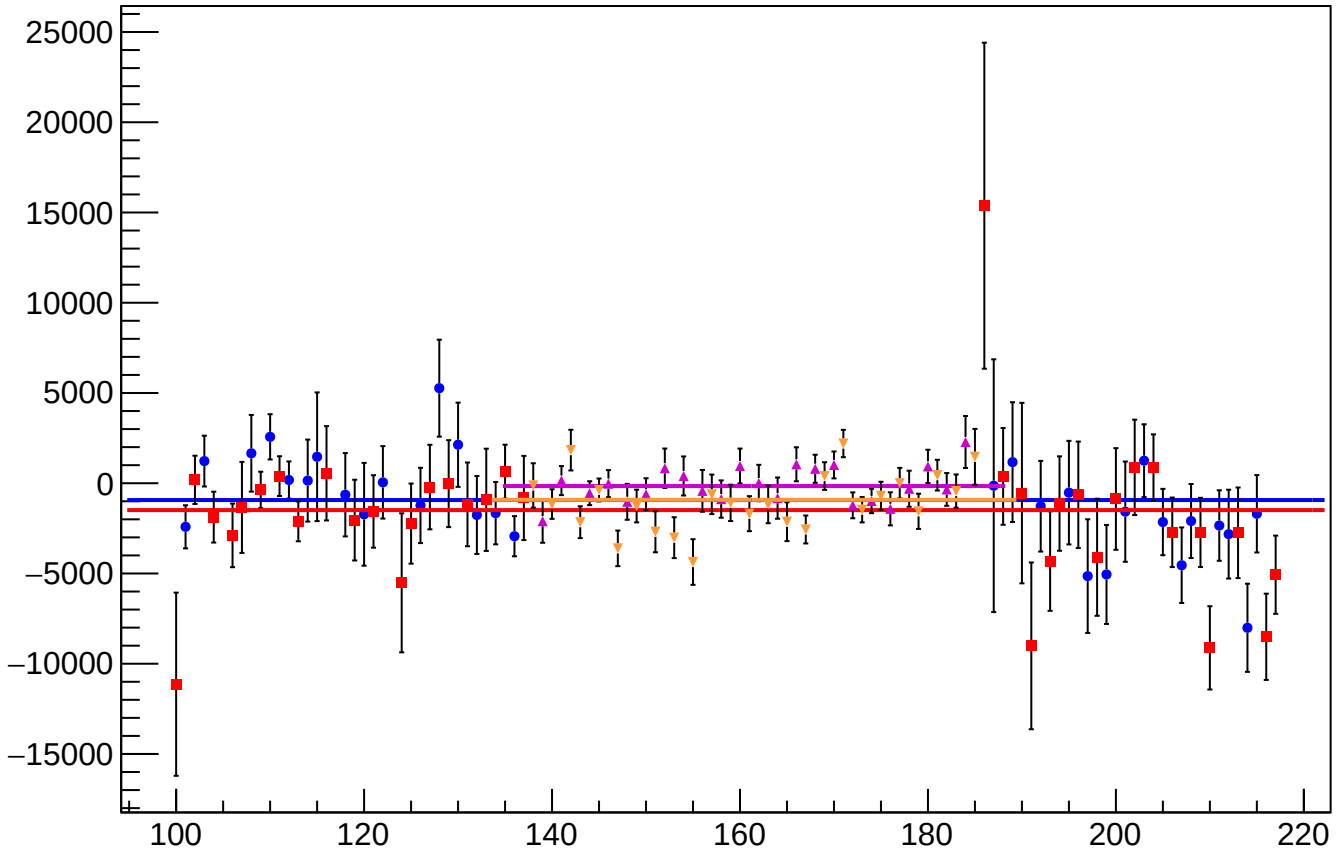
Right Out: 127.370+/-0.022 χ^2/NDF: 5733449.6/35

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 115.905+/-0.014 χ^2/NDF: 6445013.8/55

All: 116.206+/-0.010 χ^2/NDF: 13996561.8/11

- sign 116.512+/-0.014 χ^2/NDF: 7550612.4/58



Right In: -931.539+/-346.596 χ^2/NDF: 45.1/30

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

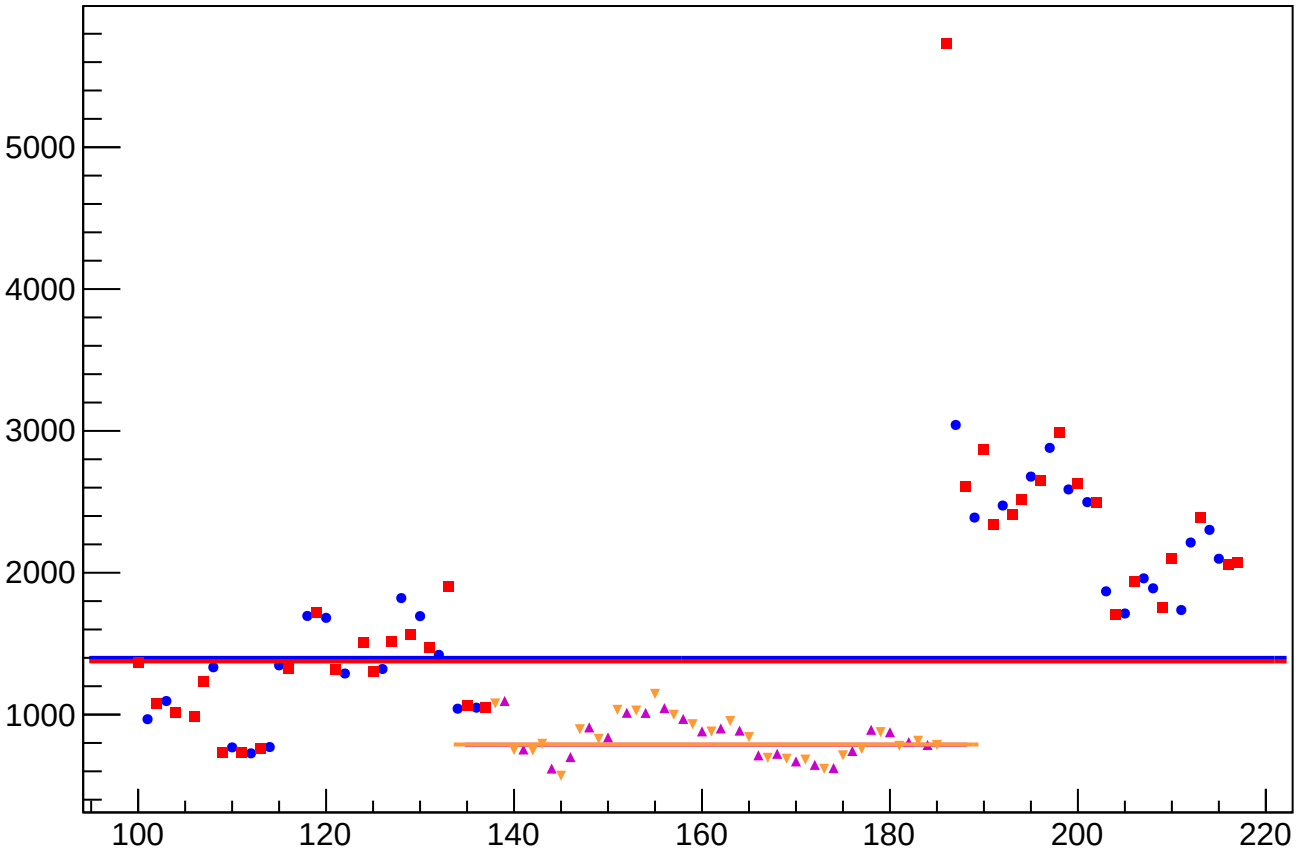
Right Out: -1487.557+/-334.550 χ^2/NDF: 49.4/35

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -921.513+/-161.455 χ^2/NDF: 109.2/55

All: -699.909+/-114.815 χ^2/NDF: 197.5/114

- sign -473.190+/-163.308 χ^2/NDF: 84.6/58



Right In: 1399.923+/-0.245 χ^2/NDF: 5669958.1/30

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1374.920+/-0.237 χ^2/NDF: 7354294.2/35

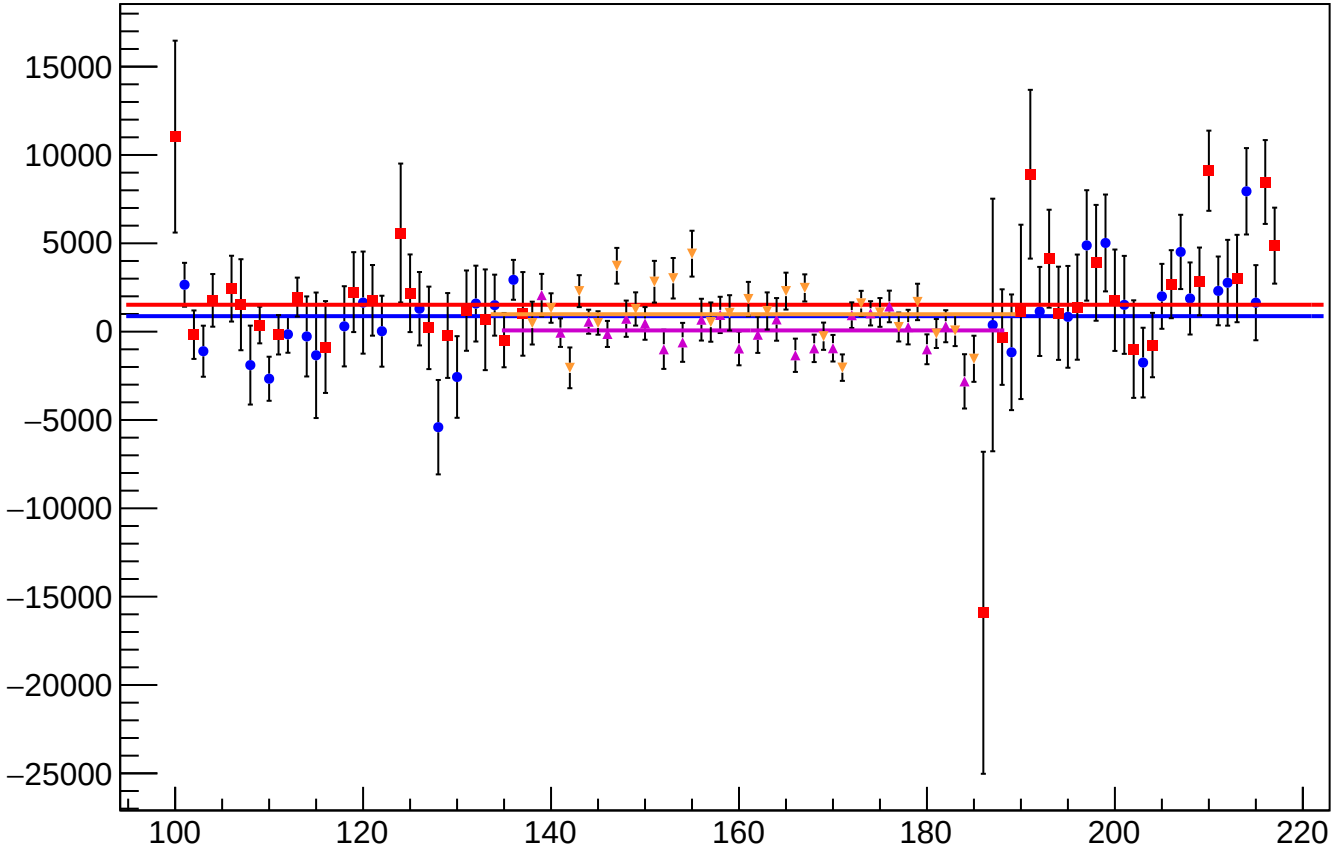
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 921.764+/-0.114 χ^2/NDF: 11708217.6/55

All: 924.543+/-0.081 χ^2/NDF: 24803668.9/11

- sign 927.387+/-0.115 χ^2/NDF: 13094252.1/58

asym_sam_3748_avg_mean vs Slug



Right In: 876.986+/-348.842 χ^2/NDF: 46.2/30

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1522.267+/-338.753 χ^2/NDF: 47.1/35

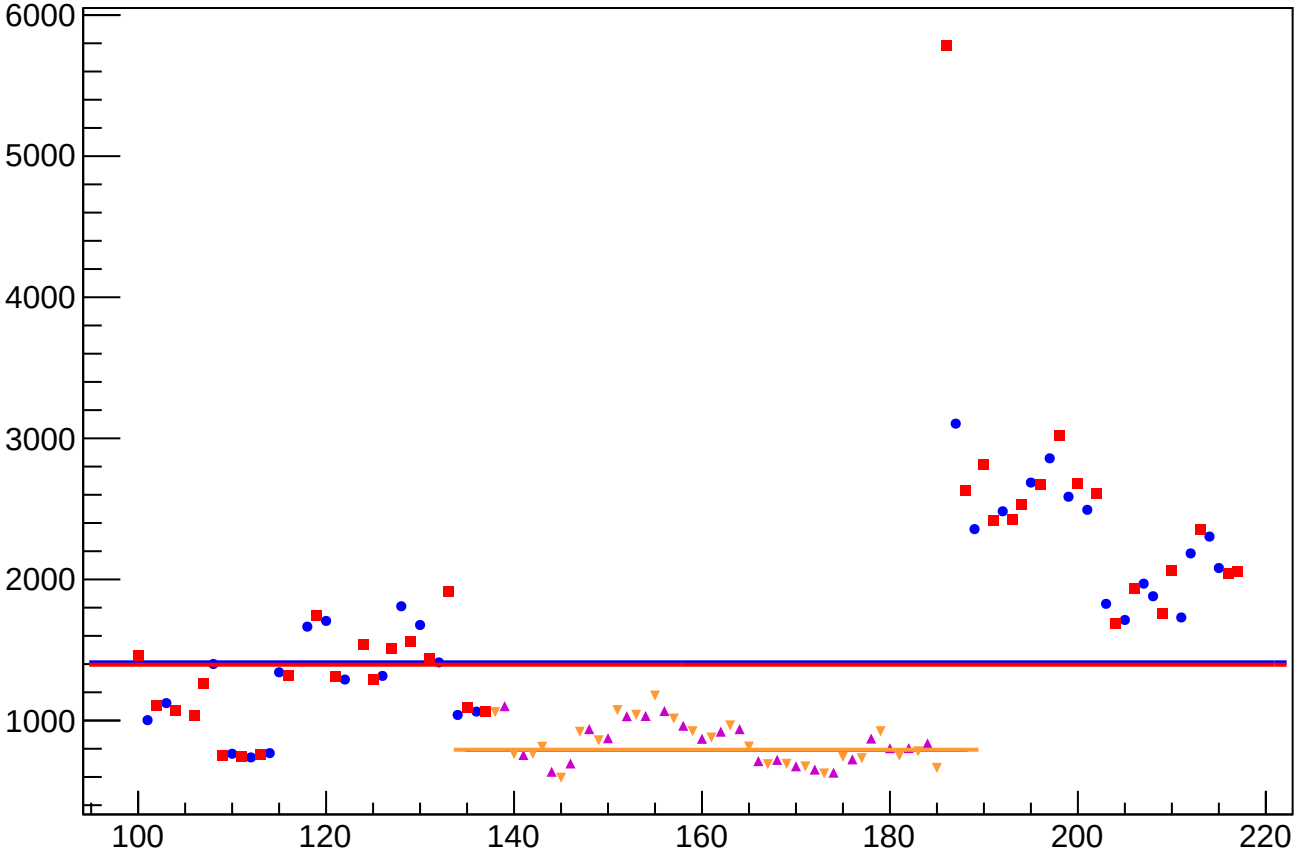
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 962.084+/-162.472 χ^2/NDF: 110.0/55

All: 690.364+/-115.563 χ^2/NDF: 201.3/114

- sign 412.137+/-164.406 χ^2/NDF: 85.6/58

asym_sam_3748_avg_rms vs Slug



Right In: 1412.498+/-0.247 χ^2/NDF: 5480458.4/30

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

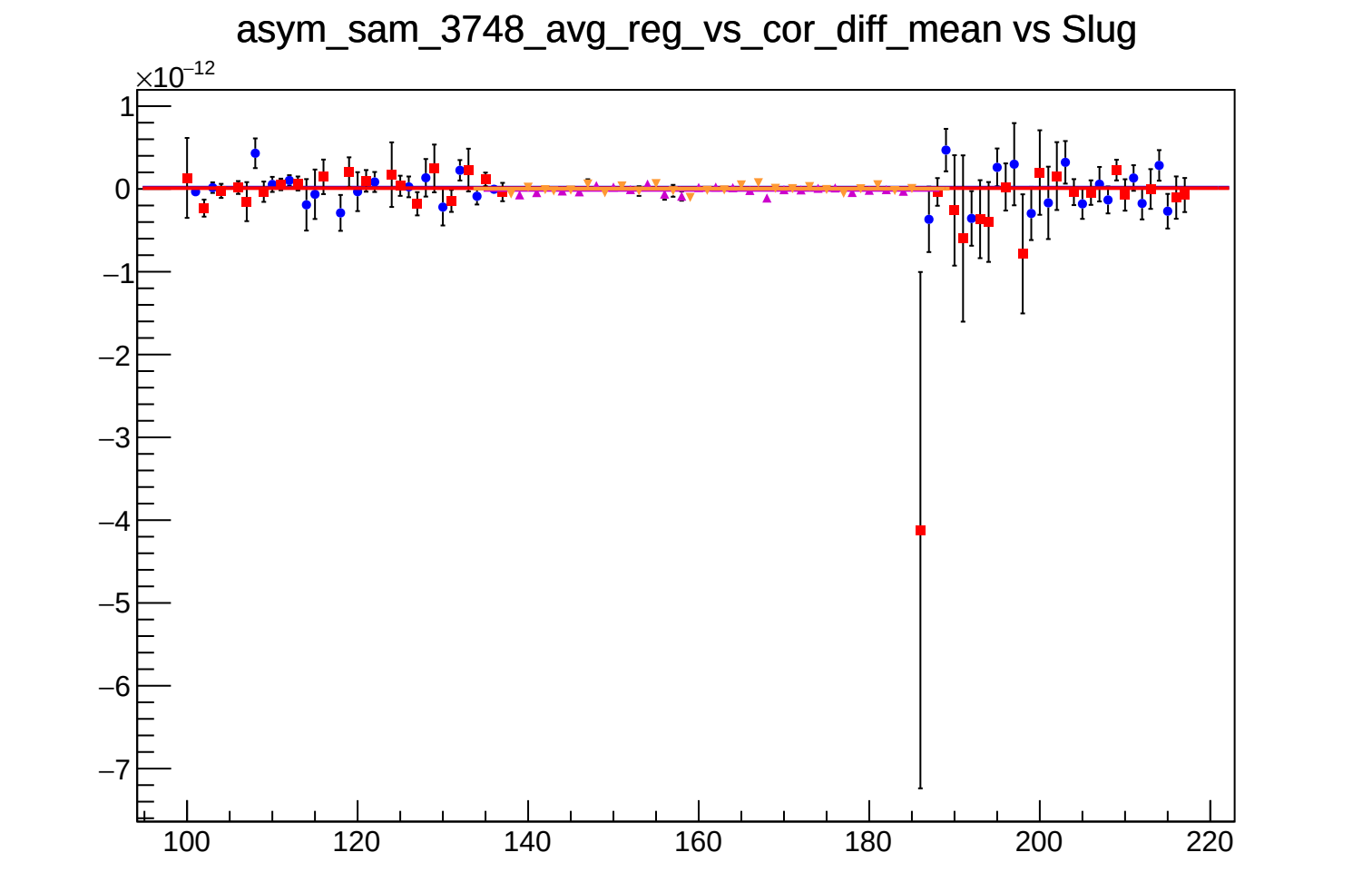
Right Out: 1395.557+/-0.240 χ^2/NDF: 7163344.0/35

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 927.421+/-0.115 χ^2/NDF: 11612842.2/55

All: 930.433+/-0.082 χ^2/NDF: 24693764.2/11

- sign 933.517+/-0.116 χ^2/NDF: 13079531.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

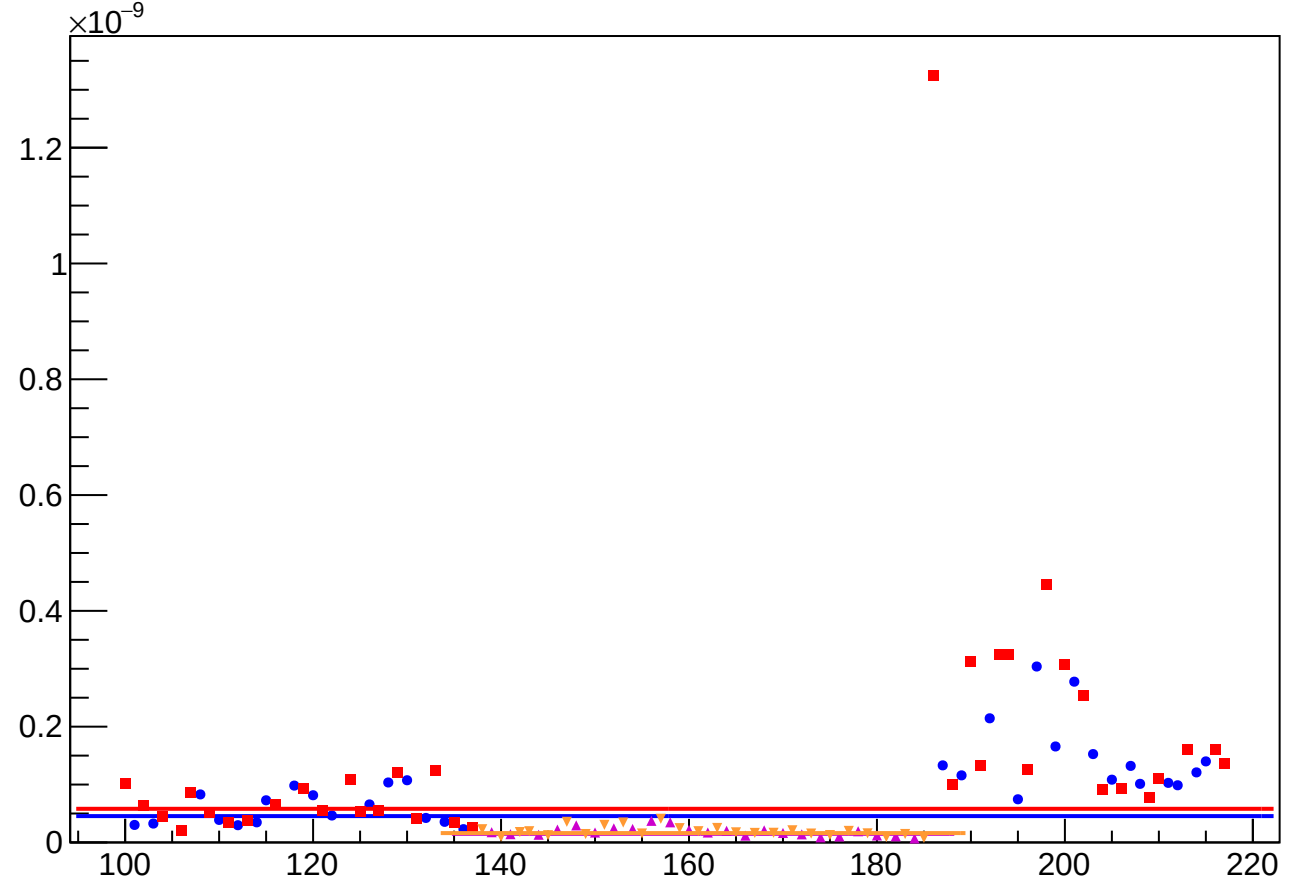
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/55

All: -0.000+/-0.000 χ^2/NDF: 122.1/114

- sign -0.000+/-0.000 χ^2/NDF: 50.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 6225756.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

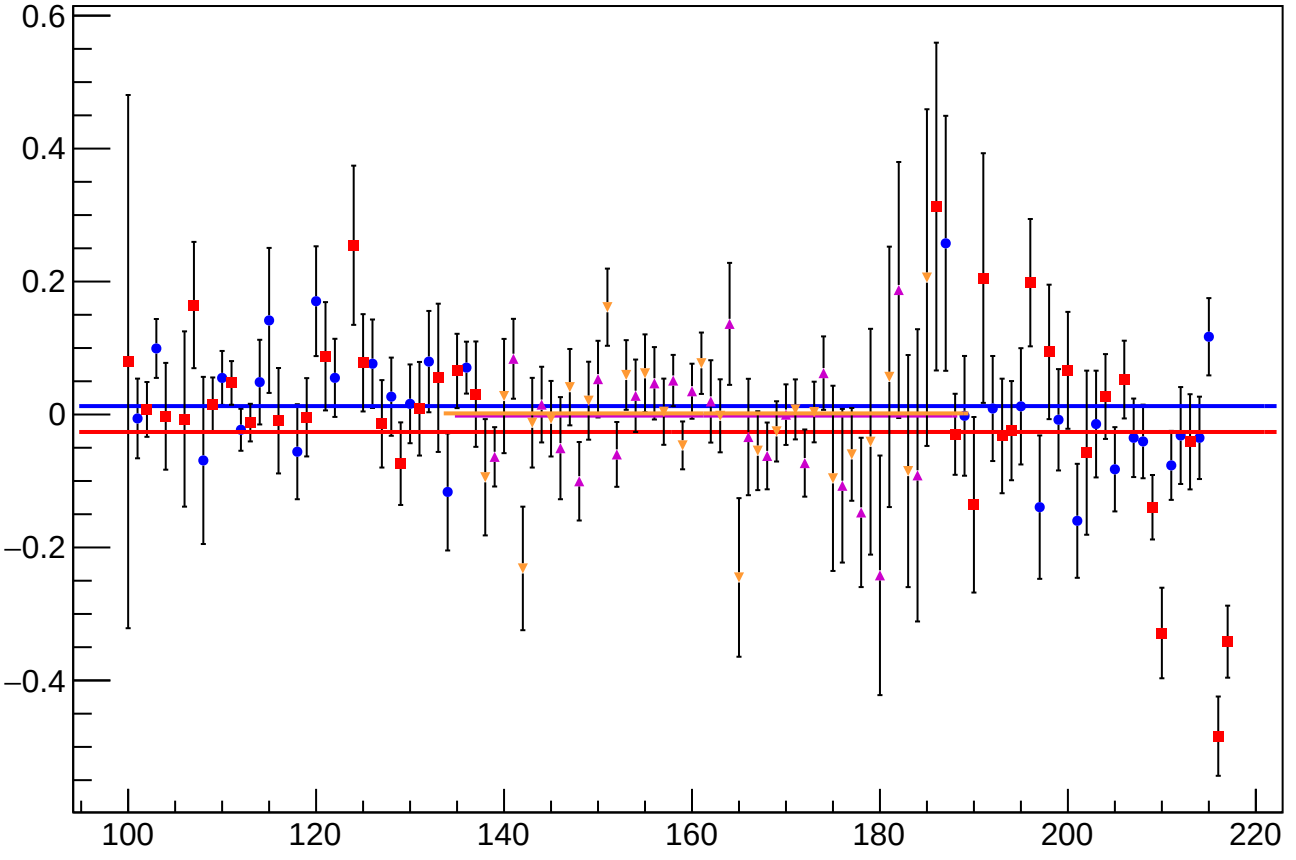
Right Out: 0.000+/-0.000 χ^2/NDF: 6618472.7/35

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11699507.2/55

All: 0.000+/-0.000 χ^2/NDF: 25930725.6/114

- sign 0.000+/-0.000 χ^2/NDF: 14192777.1/58



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

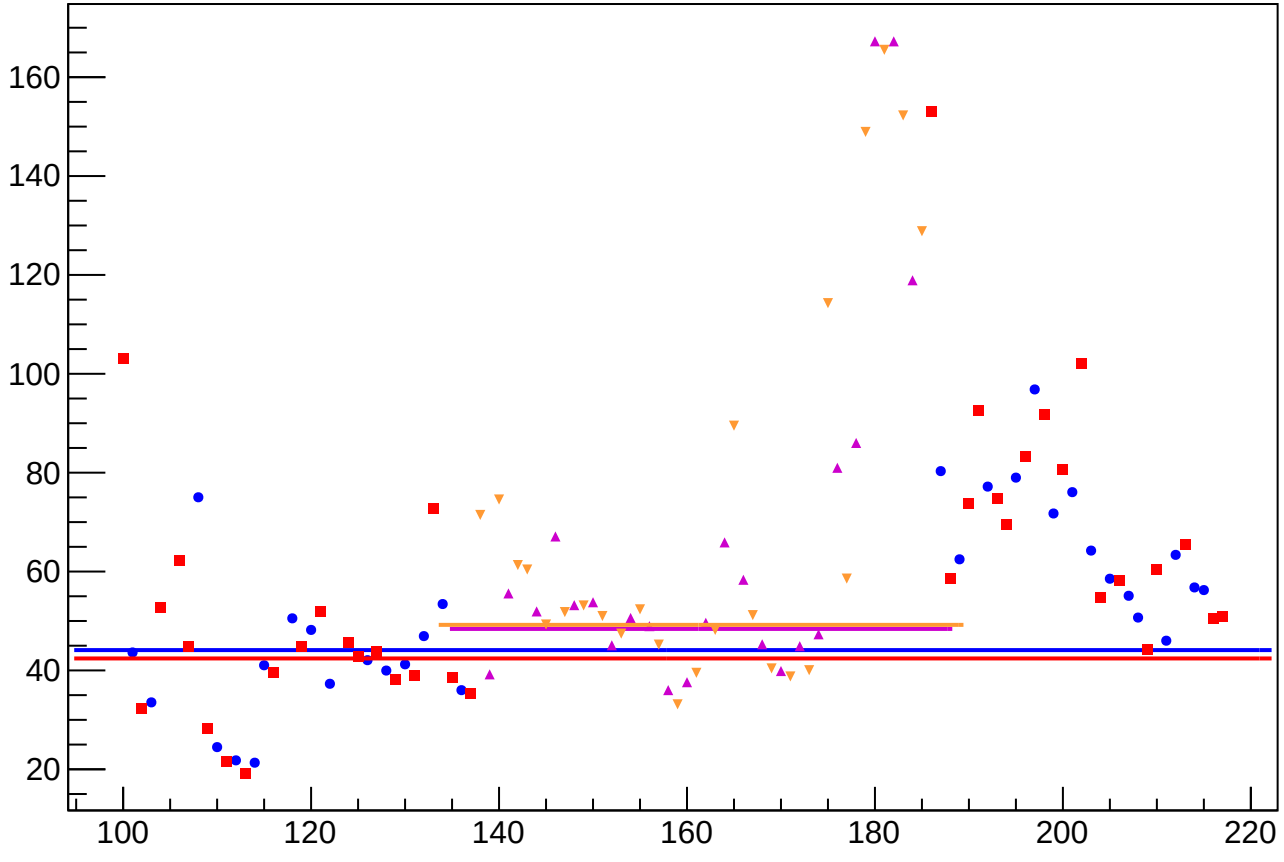
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.008+/-0.008 χ^2/NDF: 69.3/55

All: -0.004+/-0.006 χ^2/NDF: 260.1/114

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.112+/-0.008 χ^2/NDF: 4616873.1/30

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

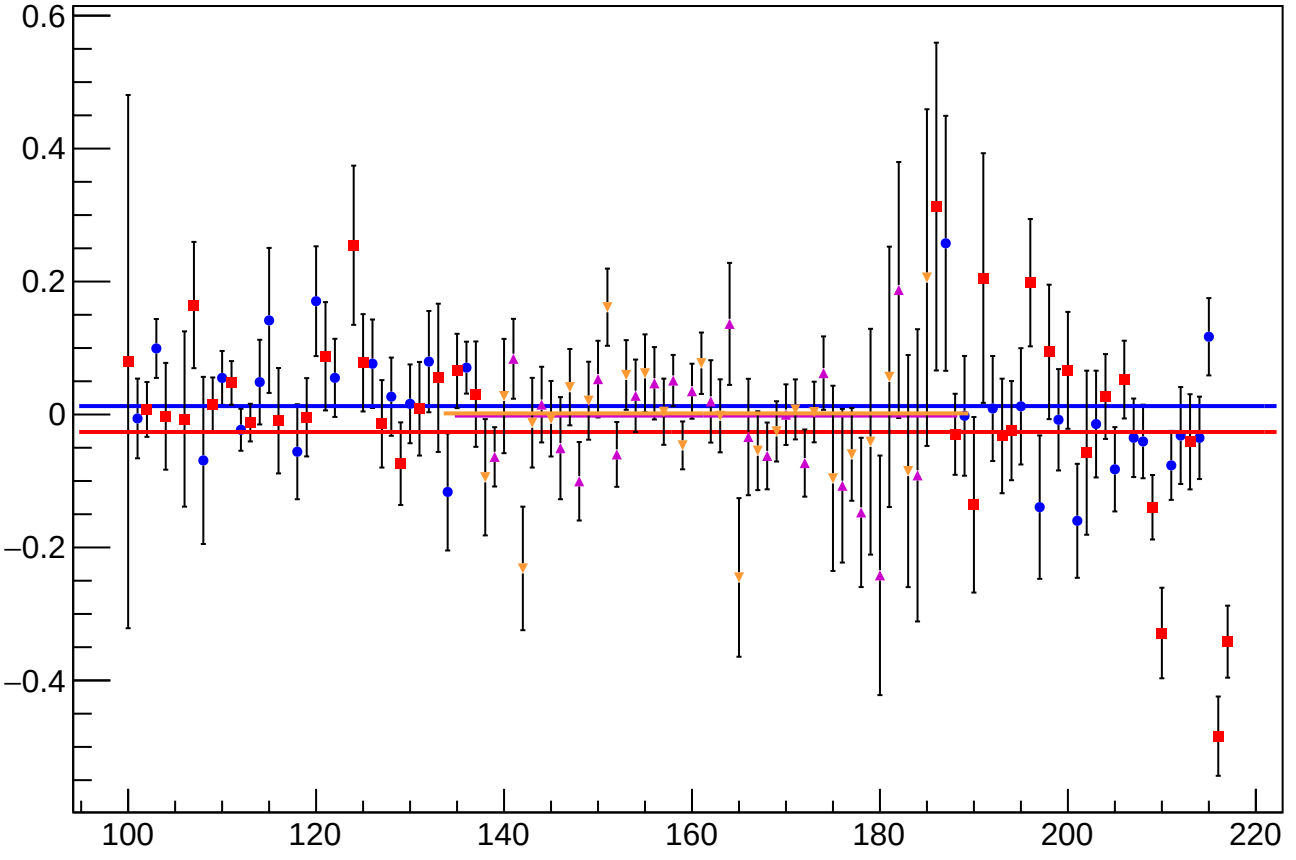
Right Out: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.398+/-0.006 χ^2/NDF: 8978761.8/55

All: 45.658+/-0.004 χ^2/NDF: 18872657.1/114

- sign 44.950+/-0.006 χ^2/NDF: 9862260.4/58



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

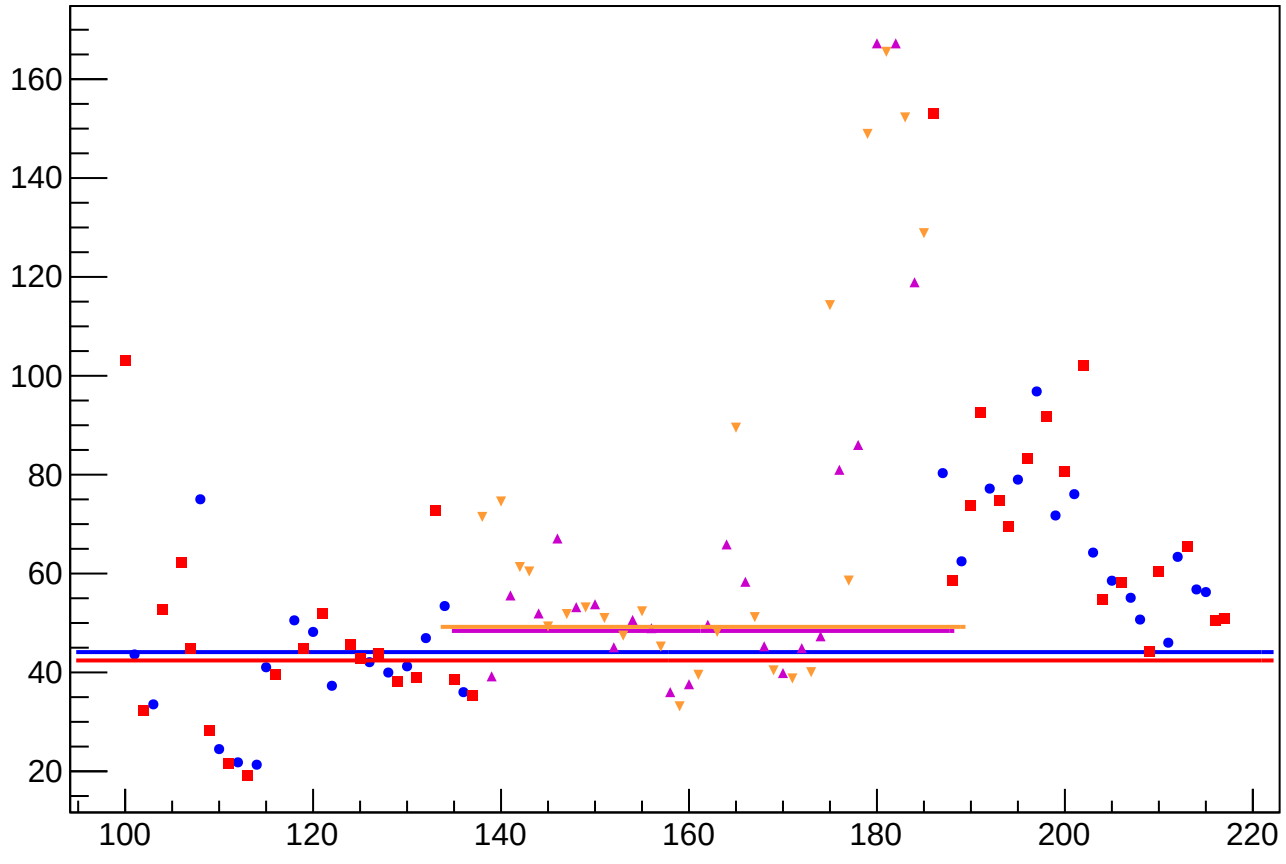
Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.008+/-0.008 χ^2/NDF: 69.3/55

All: -0.004+/-0.006 χ^2/NDF: 260.1/114

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58



Right In: 44.112+/-0.008 χ^2/NDF: 4616873.1/30

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

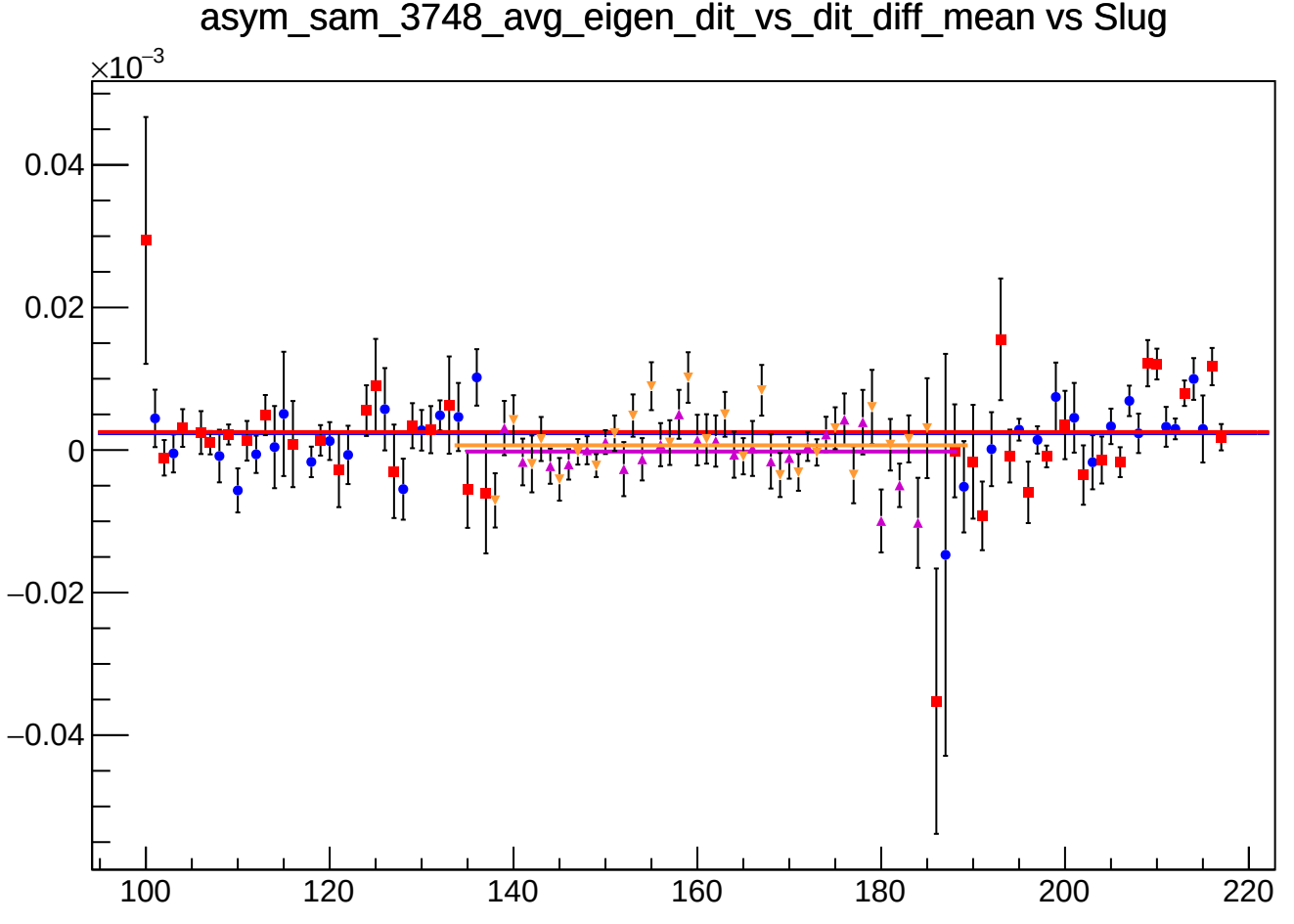
Right Out: 42.420+/-0.007 χ^2/NDF: 6560345.8/35

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.398+/-0.006 χ^2/NDF: 8978761.8/55

All: 45.658+/-0.004 χ^2/NDF: 18872657.1/114

- sign 44.950+/-0.006 χ^2/NDF: 9862260.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

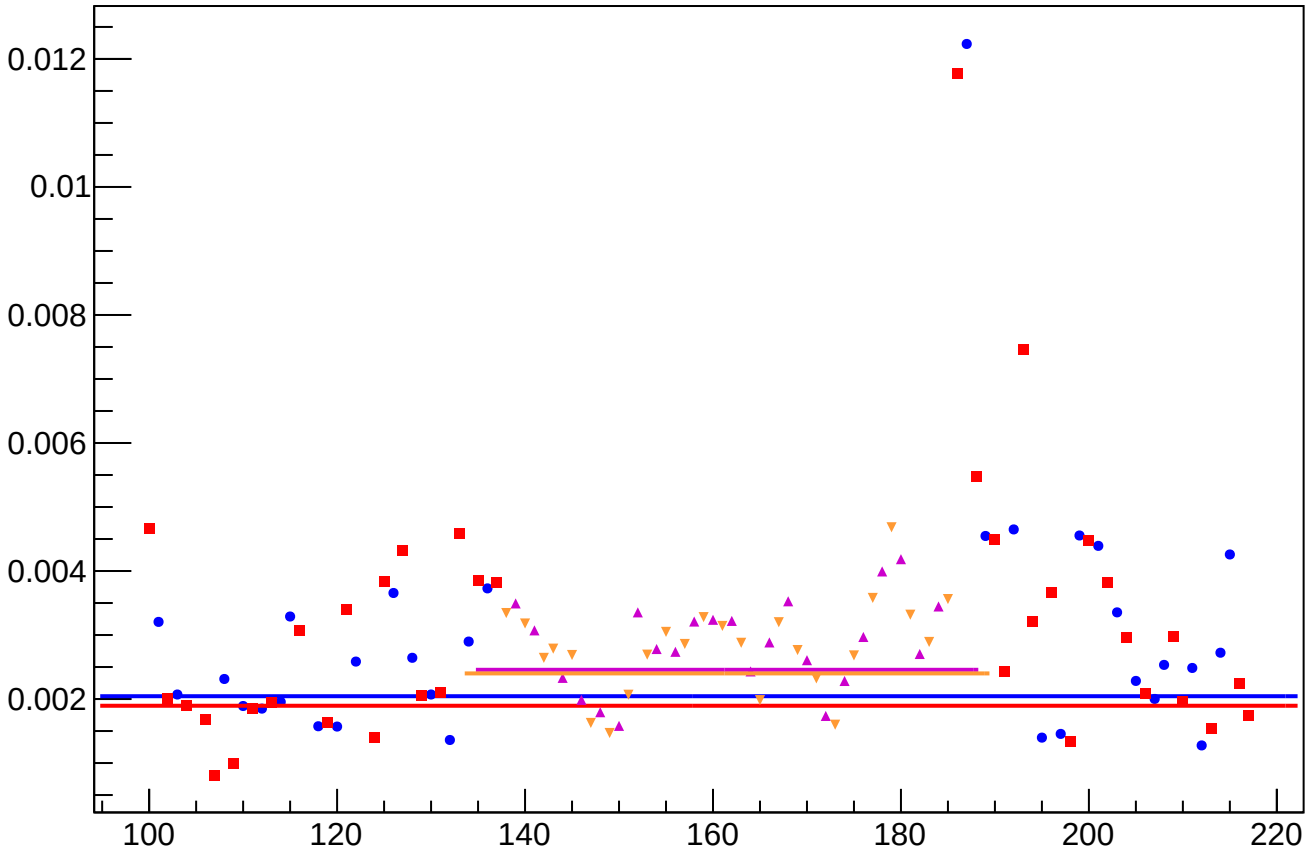
Right Out: 0.000+/-0.000 χ^2/NDF: 94.2/35

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.9/55

All: 0.000+/-0.000 χ^2/NDF: 213.6/114

- sign 0.000+/-0.000 χ^2/NDF: 126.6/58



Right In: 0.002+/-0.000 χ^2/NDF: 5363827.4/30

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

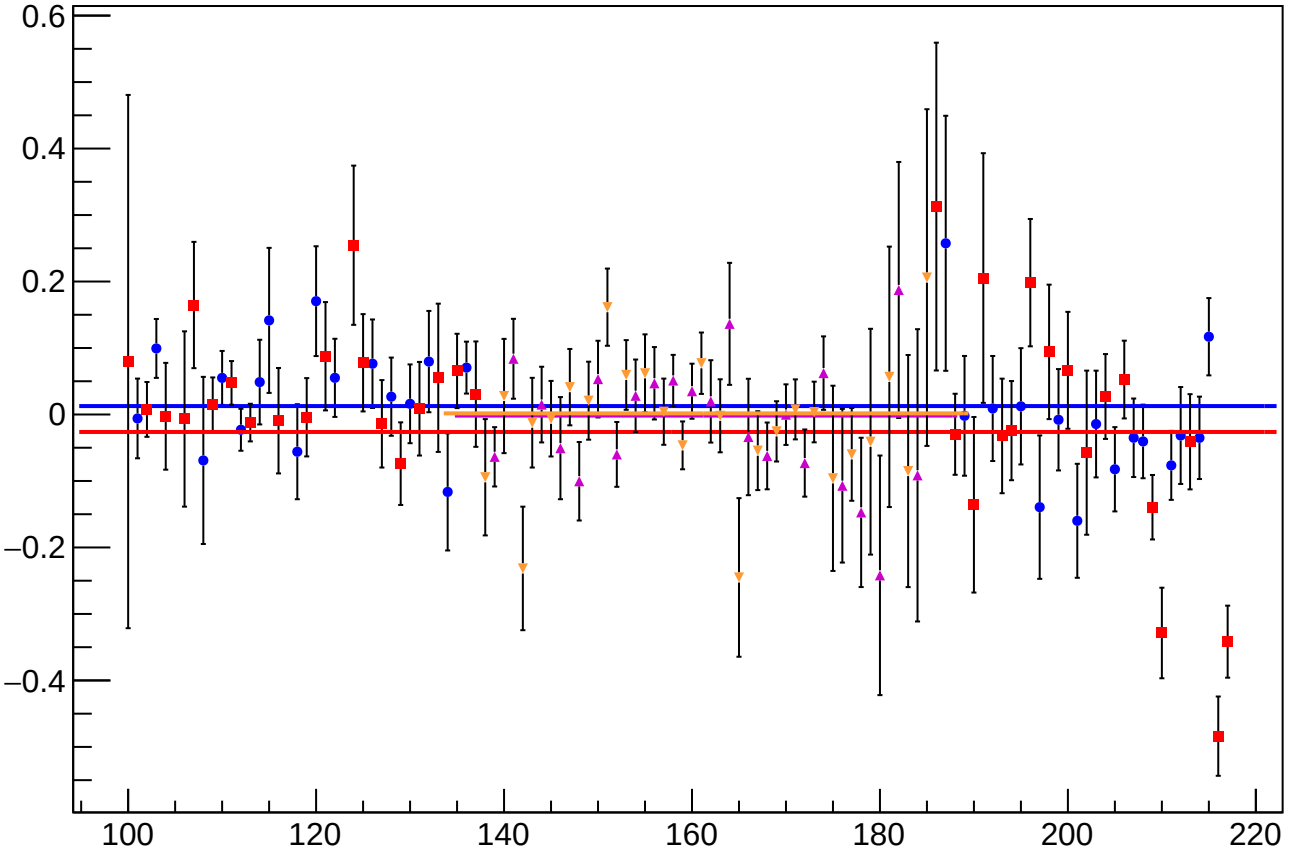
Right Out: 0.002+/-0.000 χ^2/NDF: 7924756.8/35

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8912405.6/55

All: 0.002+/-0.000 χ^2/NDF: 20593830.7/114

- sign 0.002+/-0.000 χ^2/NDF: 11623146.0/58



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

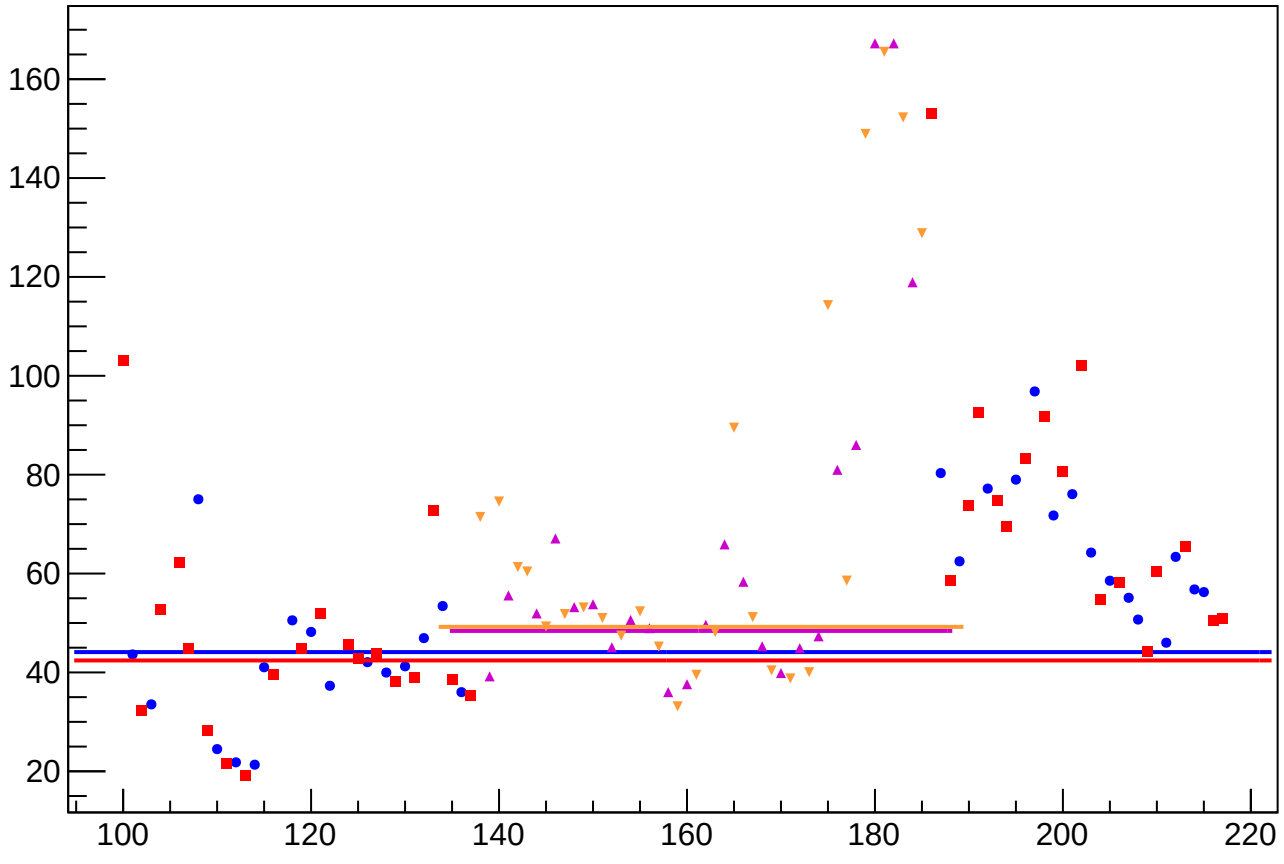
Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.008+/-0.008 χ^2/NDF: 69.3/55

All: -0.004+/-0.006 χ^2/NDF: 260.1/114

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58



Right In: 44.113+/-0.008 χ^2/NDF: 4616725.6/30

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

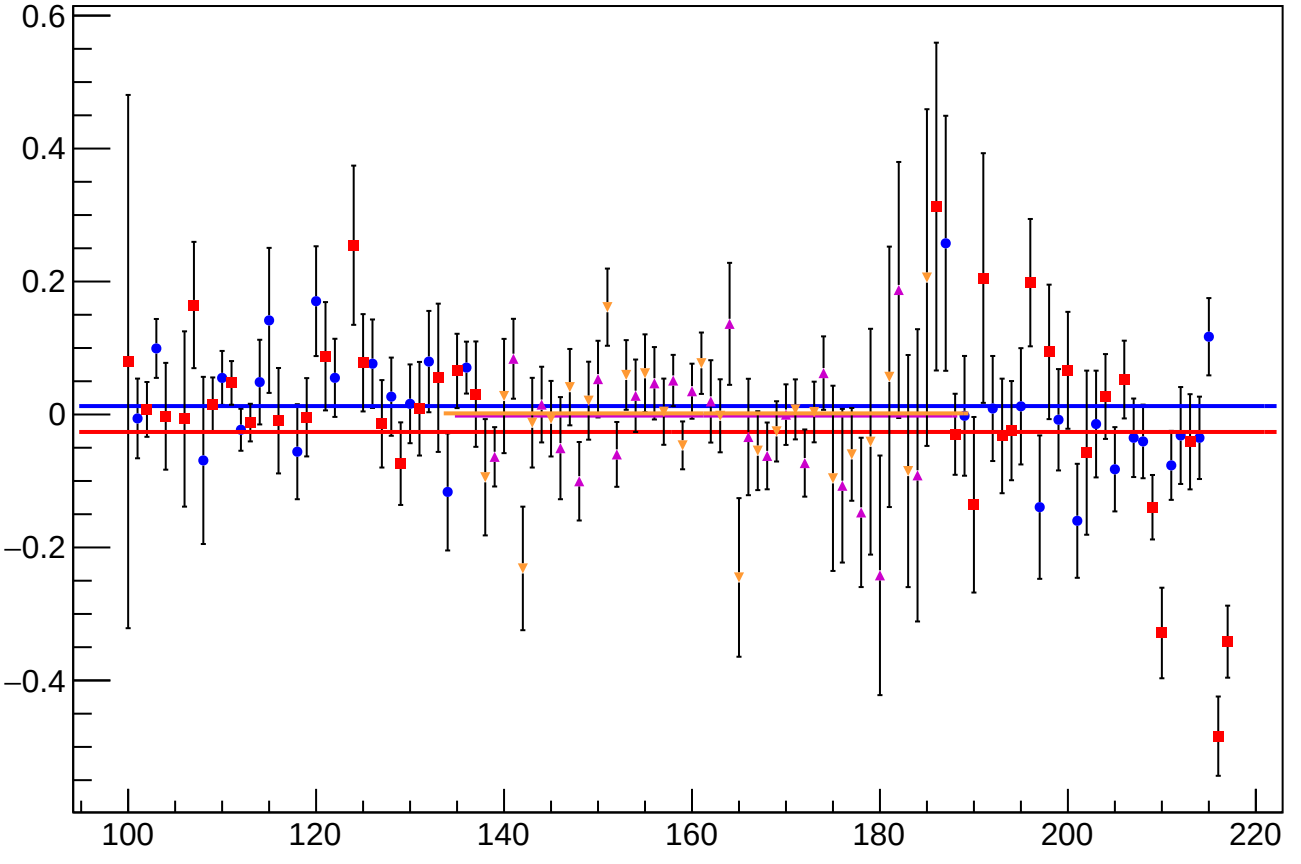
Right Out: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.399+/-0.006 χ^2/NDF: 8978599.8/55

All: 45.659+/-0.004 χ^2/NDF: 18872366.1/114

- sign 44.951+/-0.006 χ^2/NDF: 9862132.9/58



Right In: 0.013+/-0.011 χ^2/NDF: 38.5/30

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

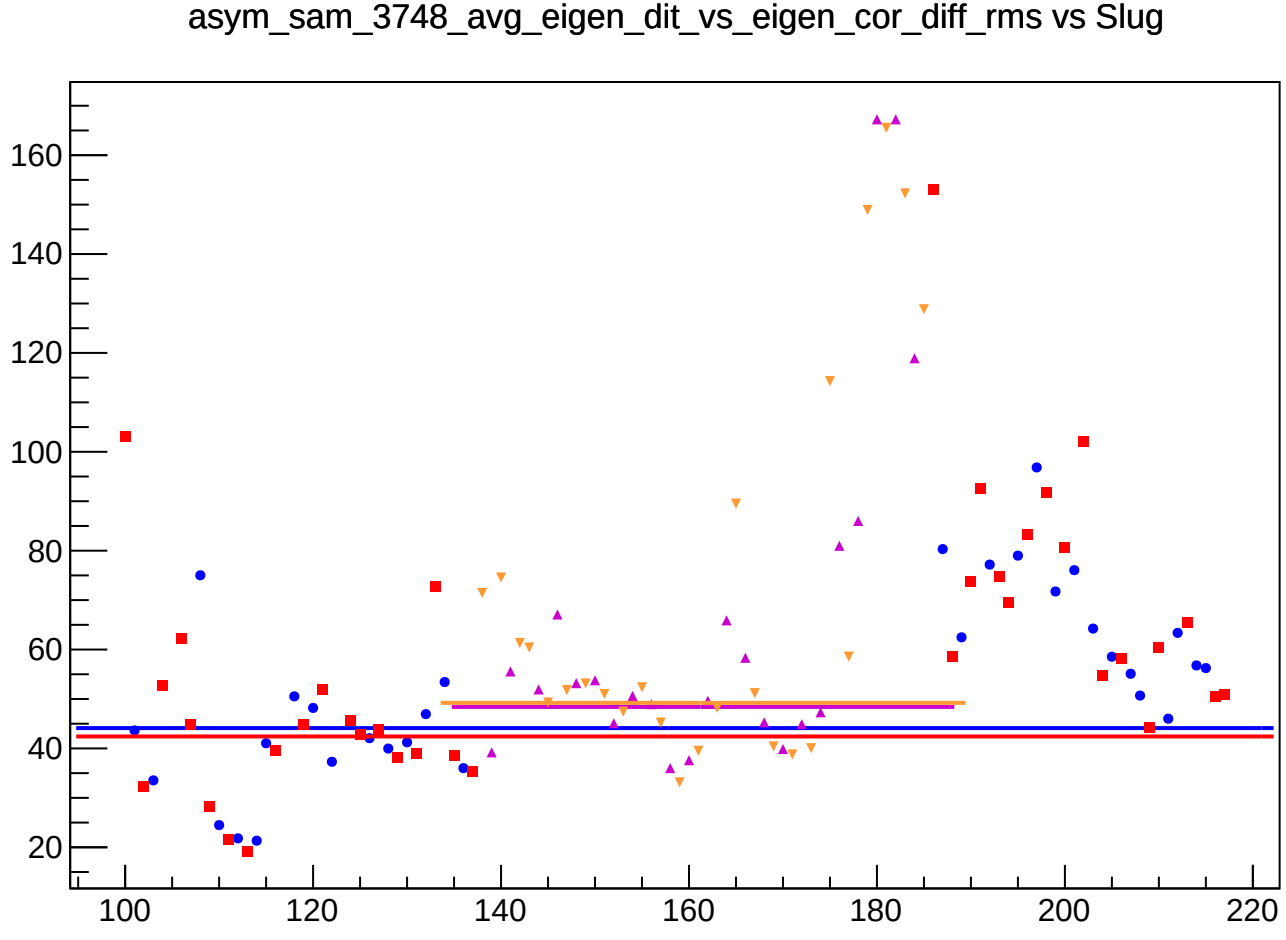
Right Out: -0.026+/-0.011 χ^2/NDF: 158.2/35

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.008+/-0.008 χ^2/NDF: 69.3/55

All: -0.004+/-0.006 χ^2/NDF: 260.1/114

- sign -0.016+/-0.008 χ^2/NDF: 186.6/58



Right In: 44.113+/-0.008 χ^2/NDF: 4616725.6/30

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

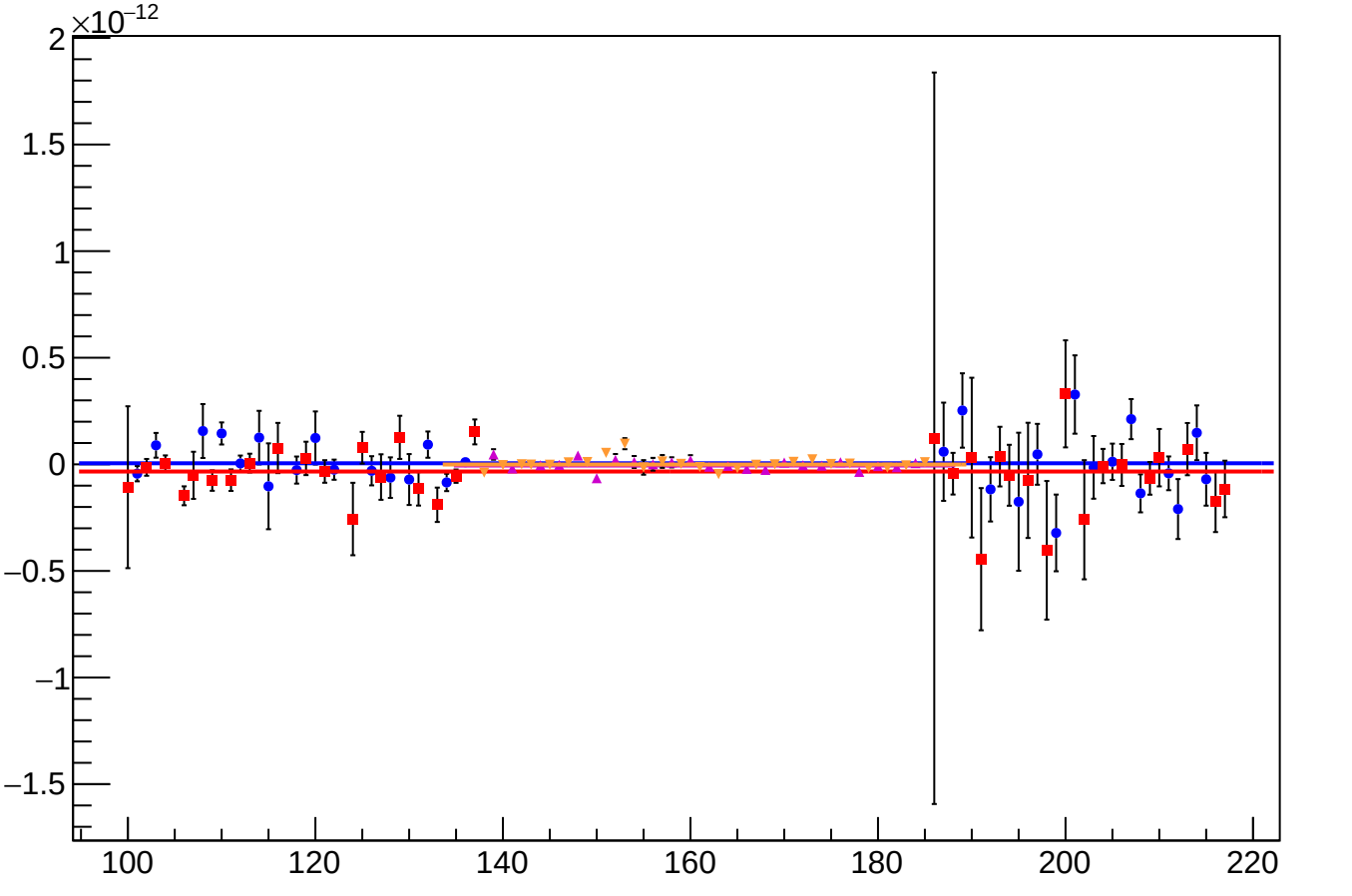
Right Out: 42.421+/-0.007 χ^2/NDF: 6560241.8/35

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.399+/-0.006 χ^2/NDF: 8978599.8/55

All: 45.659+/-0.004 χ^2/NDF: 18872366.1/114

- sign 44.951+/-0.006 χ^2/NDF: 9862132.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 44.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

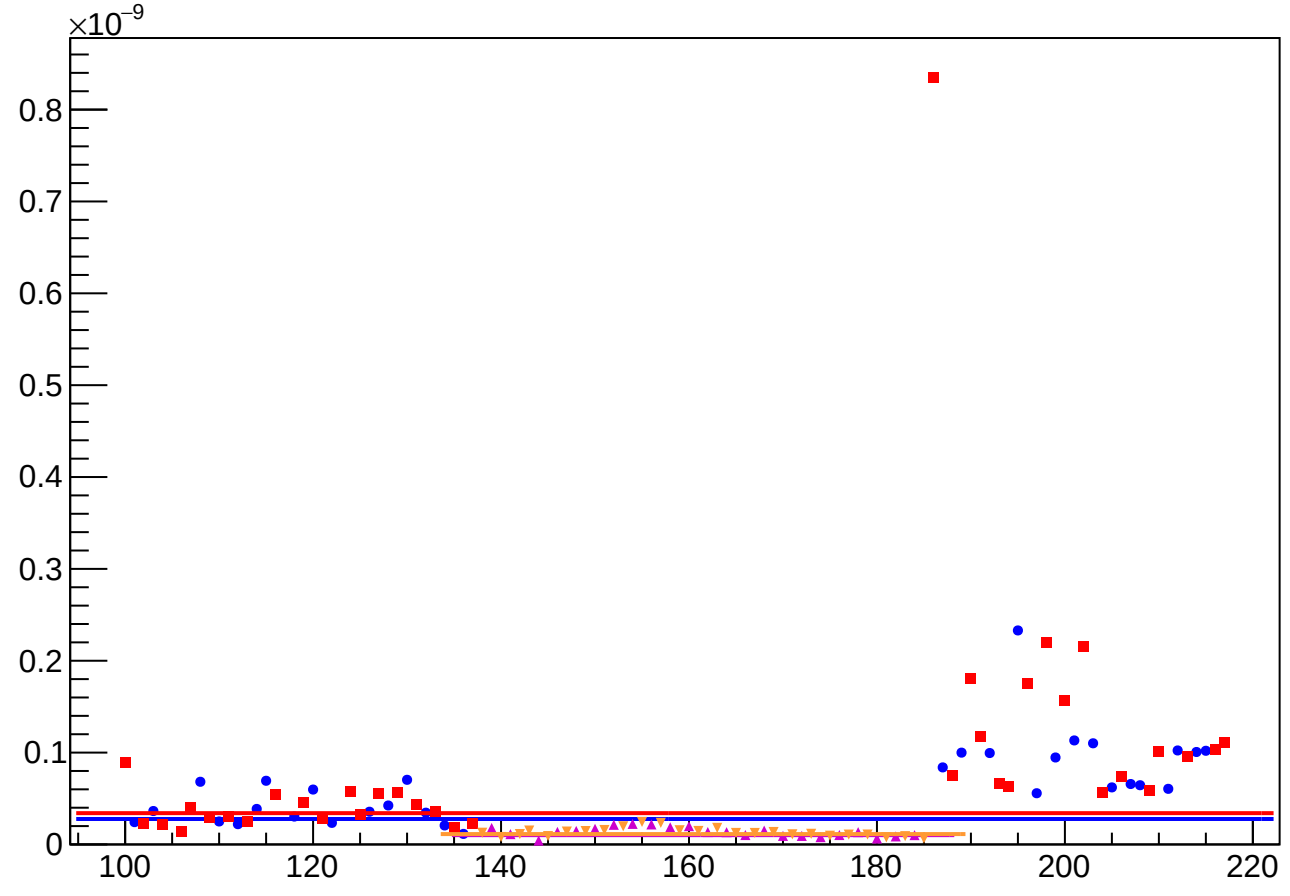
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/35

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.0/55

All: -0.000+/-0.000 χ^2/NDF: 160.1/114

- sign -0.000+/-0.000 χ^2/NDF: 75.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 9141843.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8695843.8/35

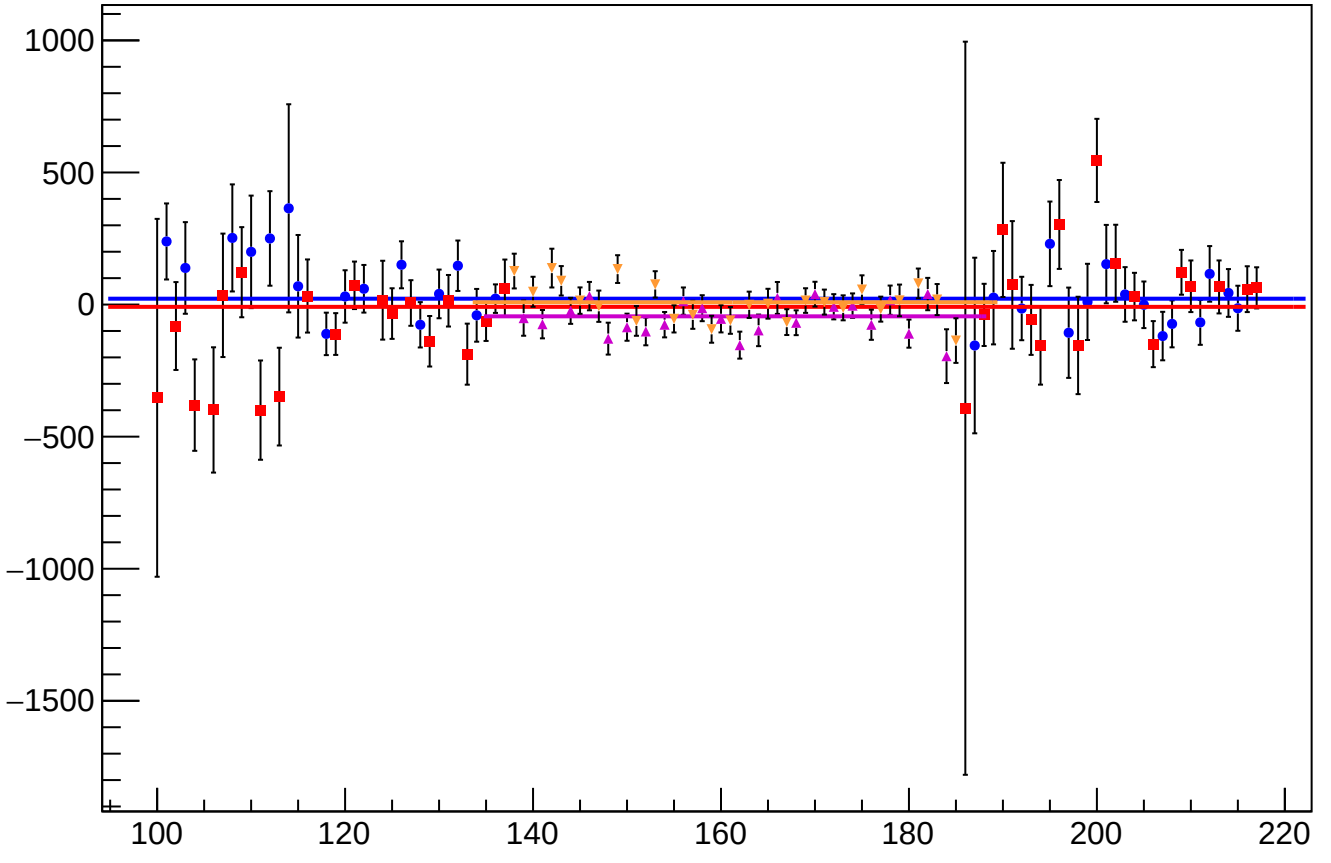
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15620790.8/55

All: 0.000+/-0.000 χ^2/NDF: 35745133.6/114

- sign 0.000+/-0.000 χ^2/NDF: 20020615.6/58

reg_asym_sam_1526_avg_mean vs Slug



Right In: 22.219+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.671+/-19.467 χ^2/NDF: 52.4/35

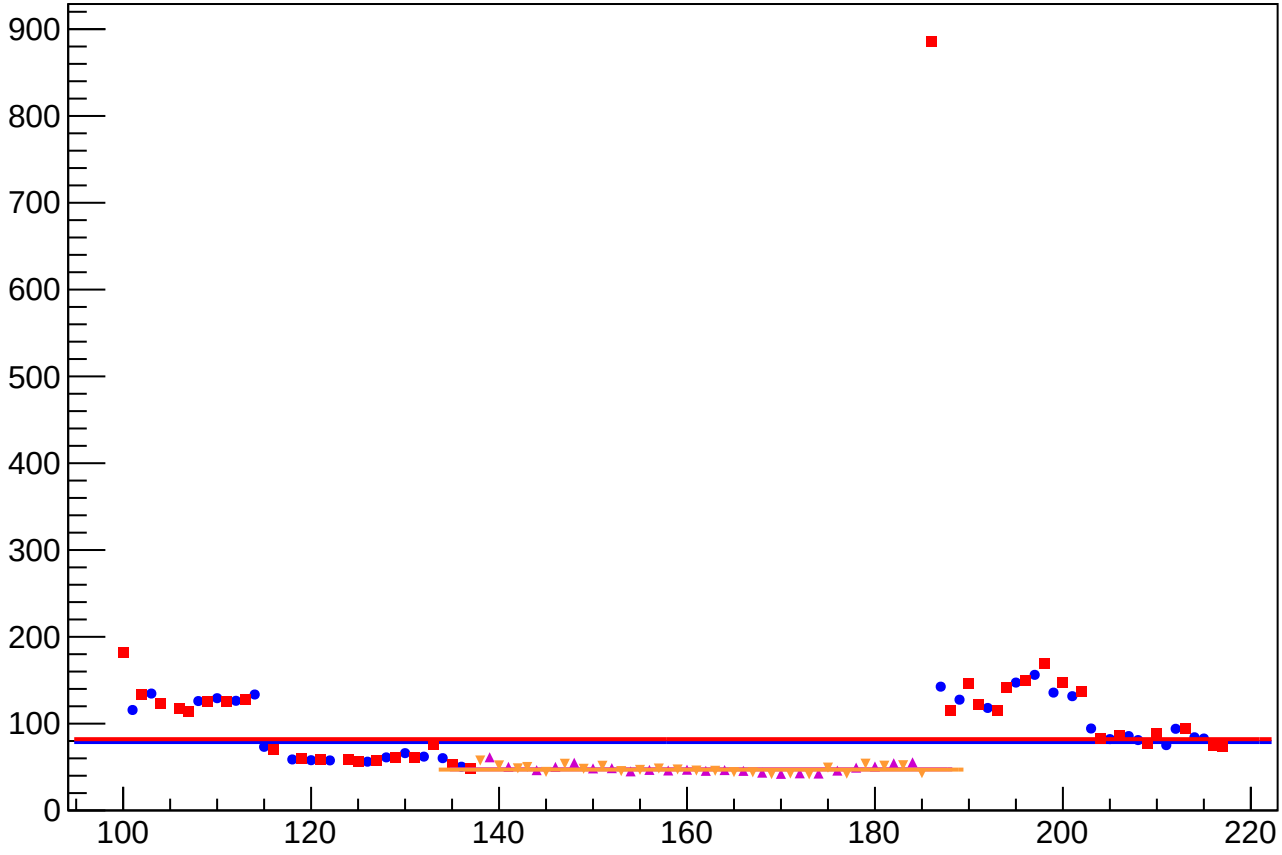
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 12.001+/-9.382 χ^2/NDF: 59.8/55

All: -11.110+/-6.735 χ^2/NDF: 154.3/114

- sign -35.682+/-9.674 χ^2/NDF: 82.0/58

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.799+/-0.014 χ^2/NDF: 3902661.6/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

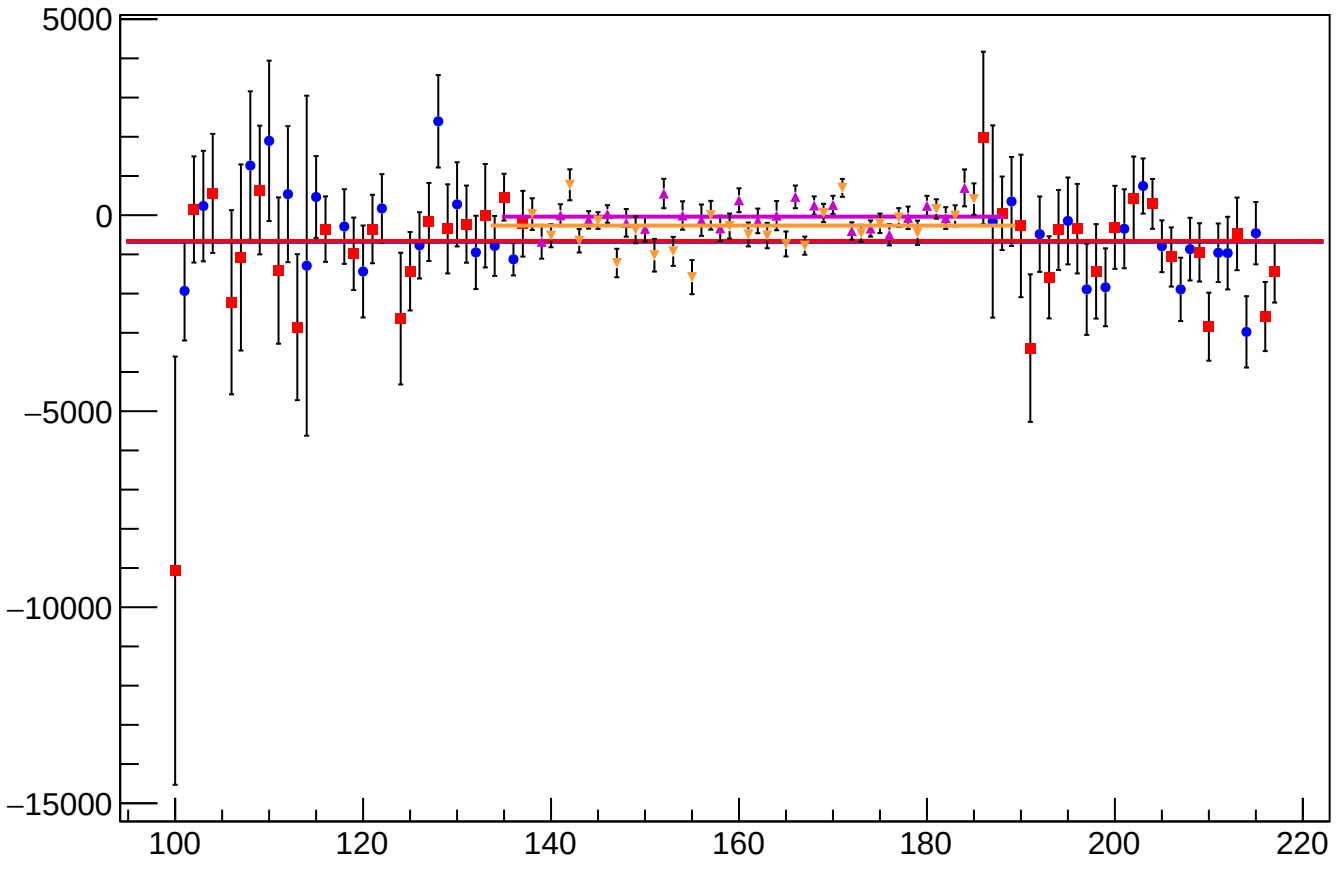
Right Out: 82.115+/-0.014 χ^2/NDF: 5070670.4/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.713+/-0.007 χ^2/NDF: 8376088.1/55

All: 55.318+/-0.005 χ^2/NDF: 18529016.8/114

- sign 55.962+/-0.007 χ^2/NDF: 10135764.3/58



Right In: -677.995+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -657.610+/-172.353 χ^2/NDF: 34.4/35

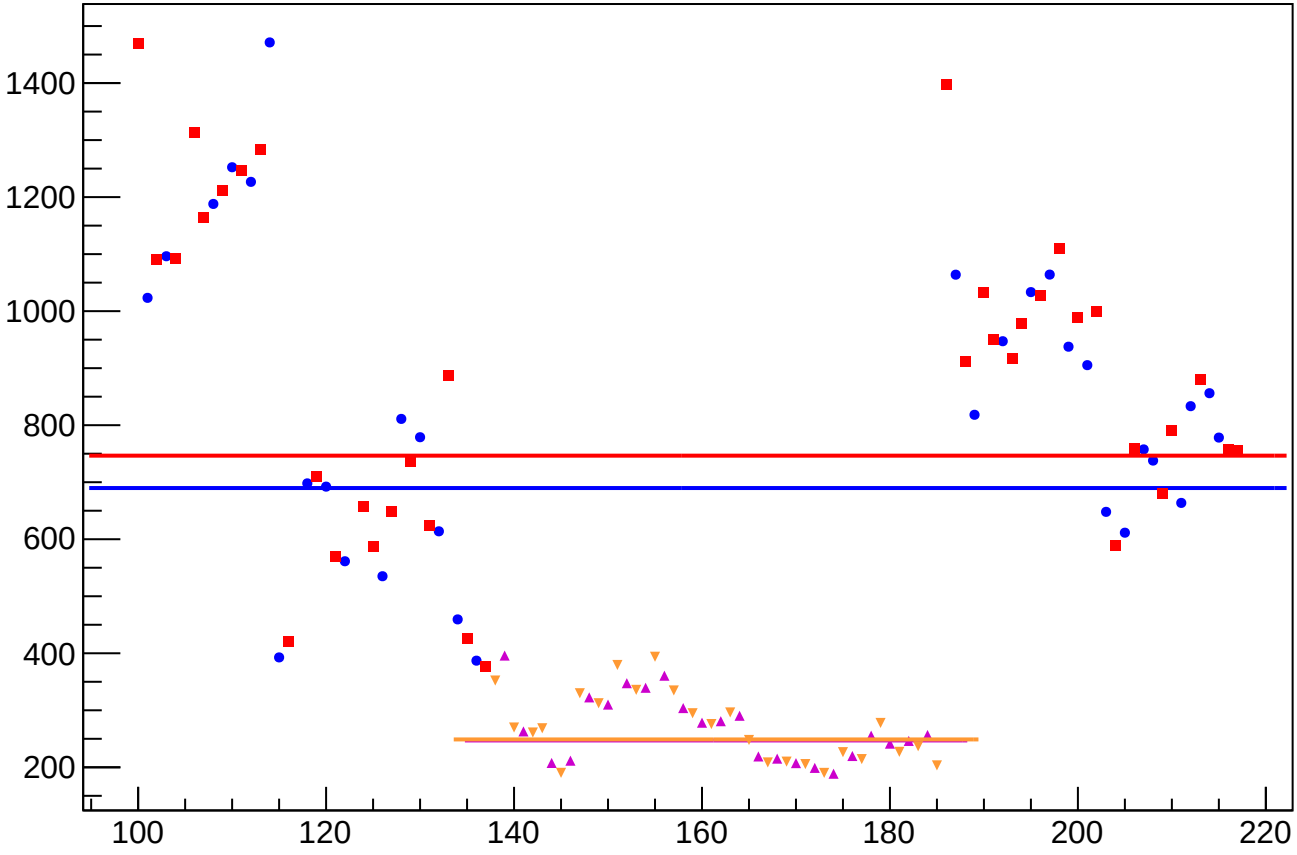
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -310.869+/-54.759 χ^2/NDF: 108.3/55

All: -209.123+/-39.136 χ^2/NDF: 187.9/114

- sign -102.886+/-55.955 χ^2/NDF: 72.6/58

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 689.788+/-0.117 χ^2/NDF: 3462117.1/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 746.567+/-0.122 χ^2/NDF: 3577088.2/35

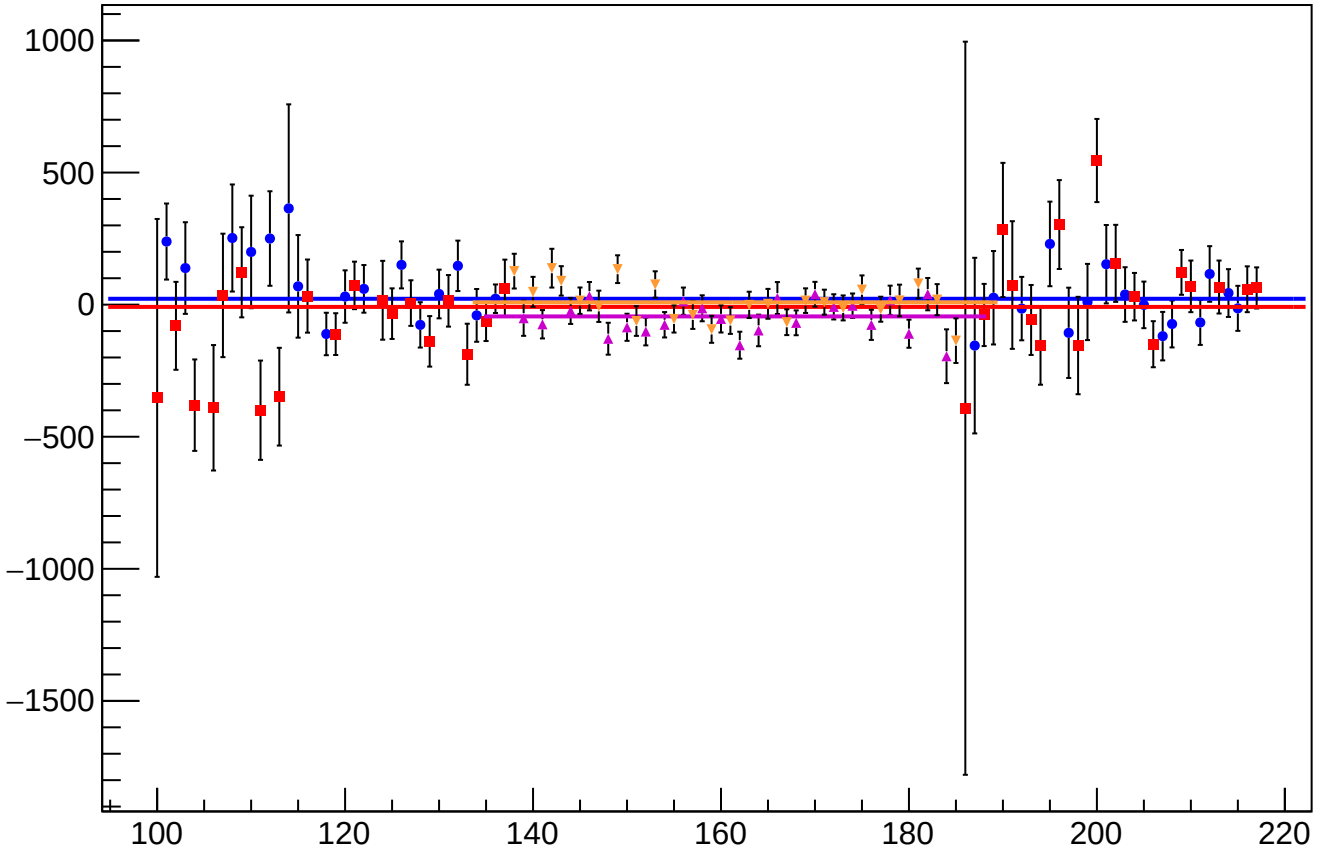
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 297.209+/-0.039 χ^2/NDF: 17777597.3/55

All: 298.453+/-0.028 χ^2/NDF: 37866361.4/11

- sign 299.752+/-0.040 χ^2/NDF: 20086654.1/58

cor_asym_sam_1526_avg_mean vs Slug



Right In: 22.213+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.593+/-19.467 χ^2/NDF: 52.3/35

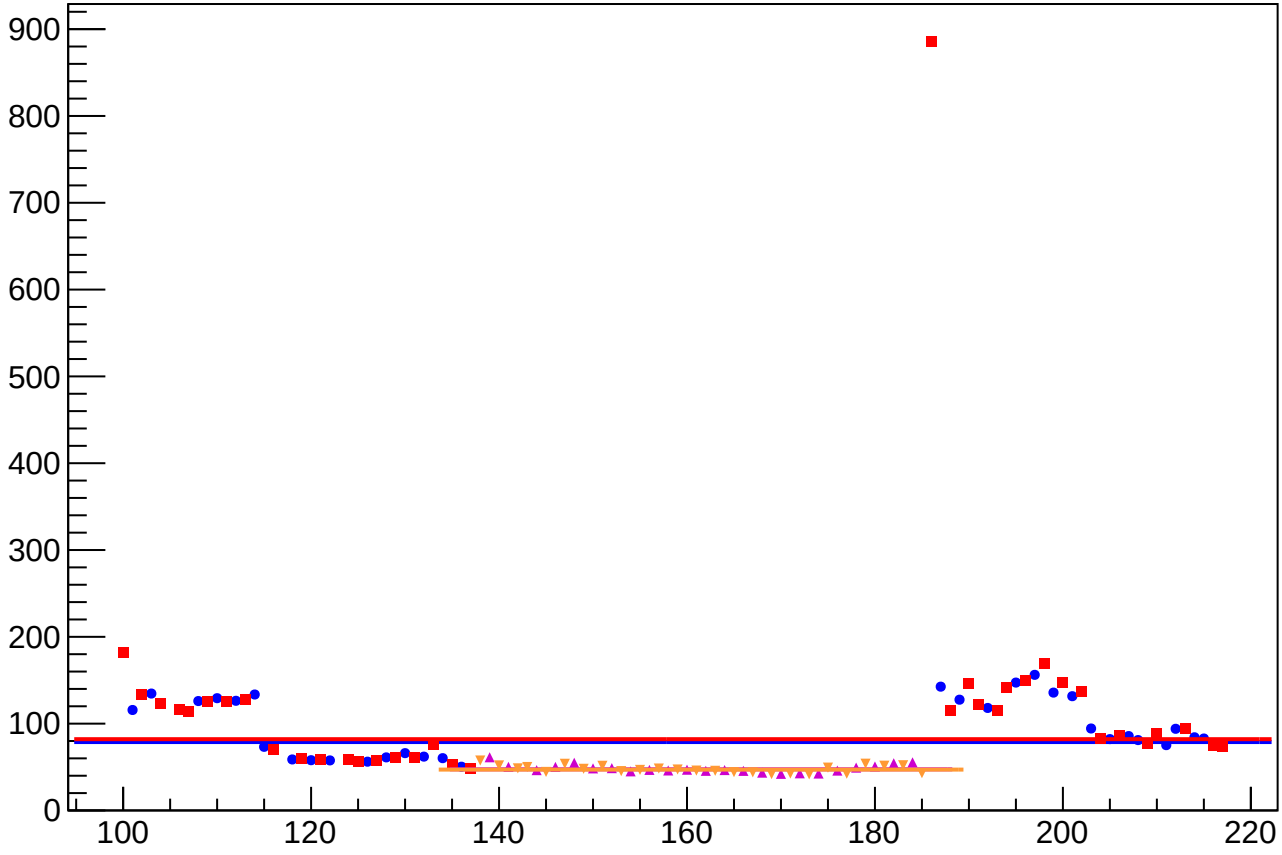
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.001+/-9.382 χ^2/NDF: 59.8/55

All: -11.100+/-6.735 χ^2/NDF: 154.1/114

- sign -35.662+/-9.674 χ^2/NDF: 81.8/58

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.799+/-0.014 χ^2/NDF: 3902663.9/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

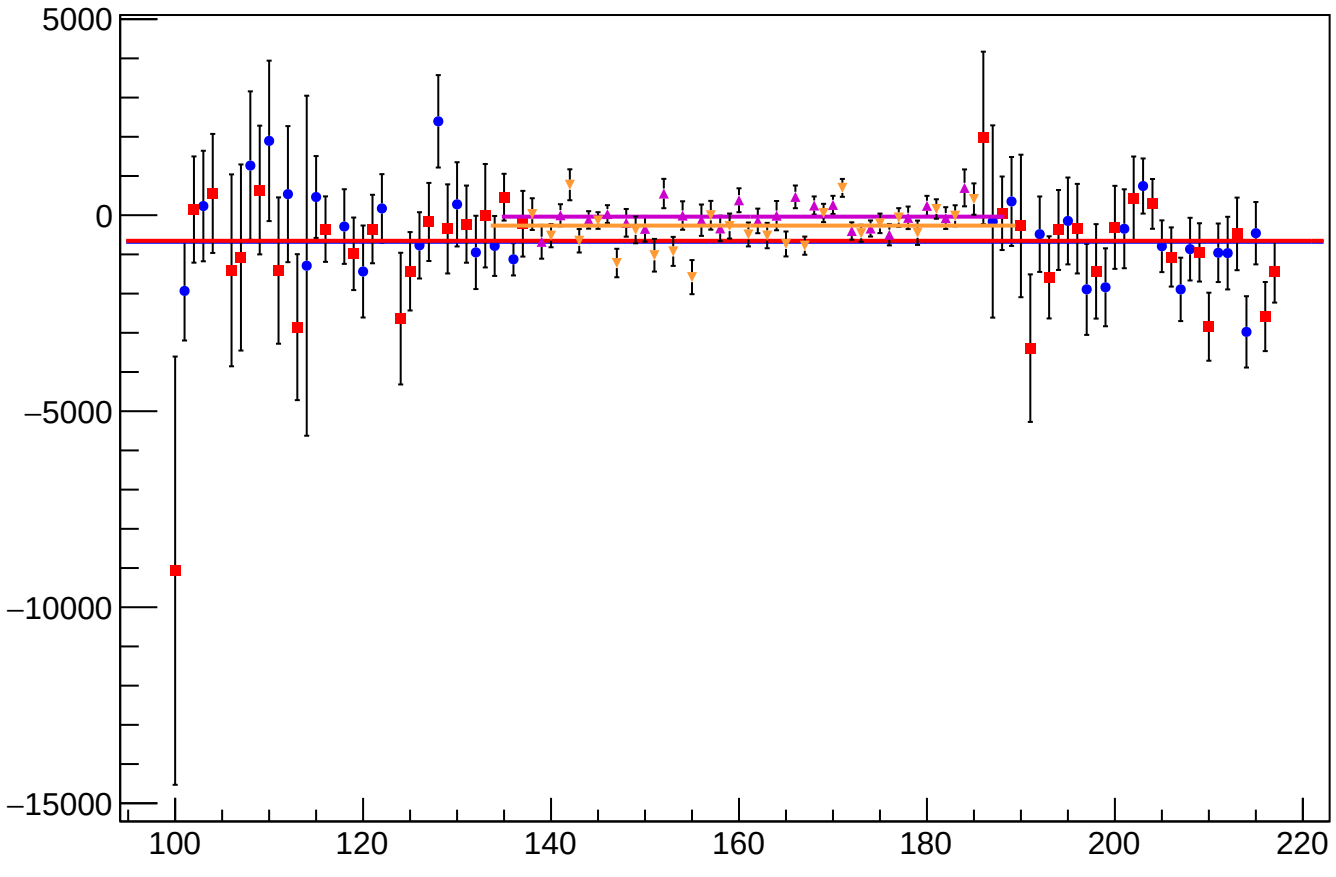
Right Out: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.713+/-0.007 χ^2/NDF: 8376090.2/55

All: 55.317+/-0.005 χ^2/NDF: 18524585.3/114

- sign 55.960+/-0.007 χ^2/NDF: 10131384.6/58



Right In: -677.989+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -652.970+/-172.392 χ^2/NDF: 34.0/35

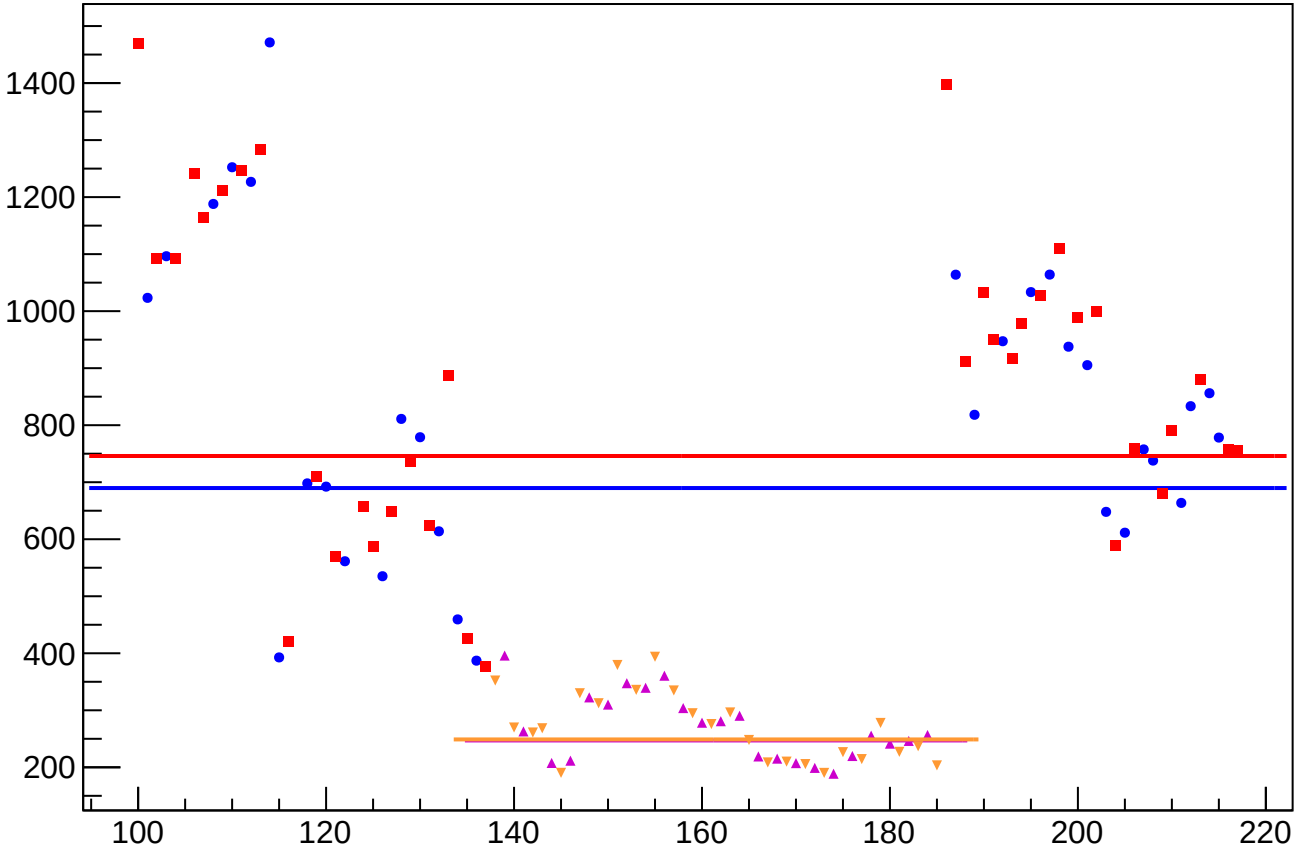
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -310.865+/-54.759 χ^2/NDF: 108.3/55

All: -208.871+/-39.137 χ^2/NDF: 187.4/114

- sign -102.368+/-55.956 χ^2/NDF: 72.0/58

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 689.788+/-0.117 χ^2/NDF: 3462157.2/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

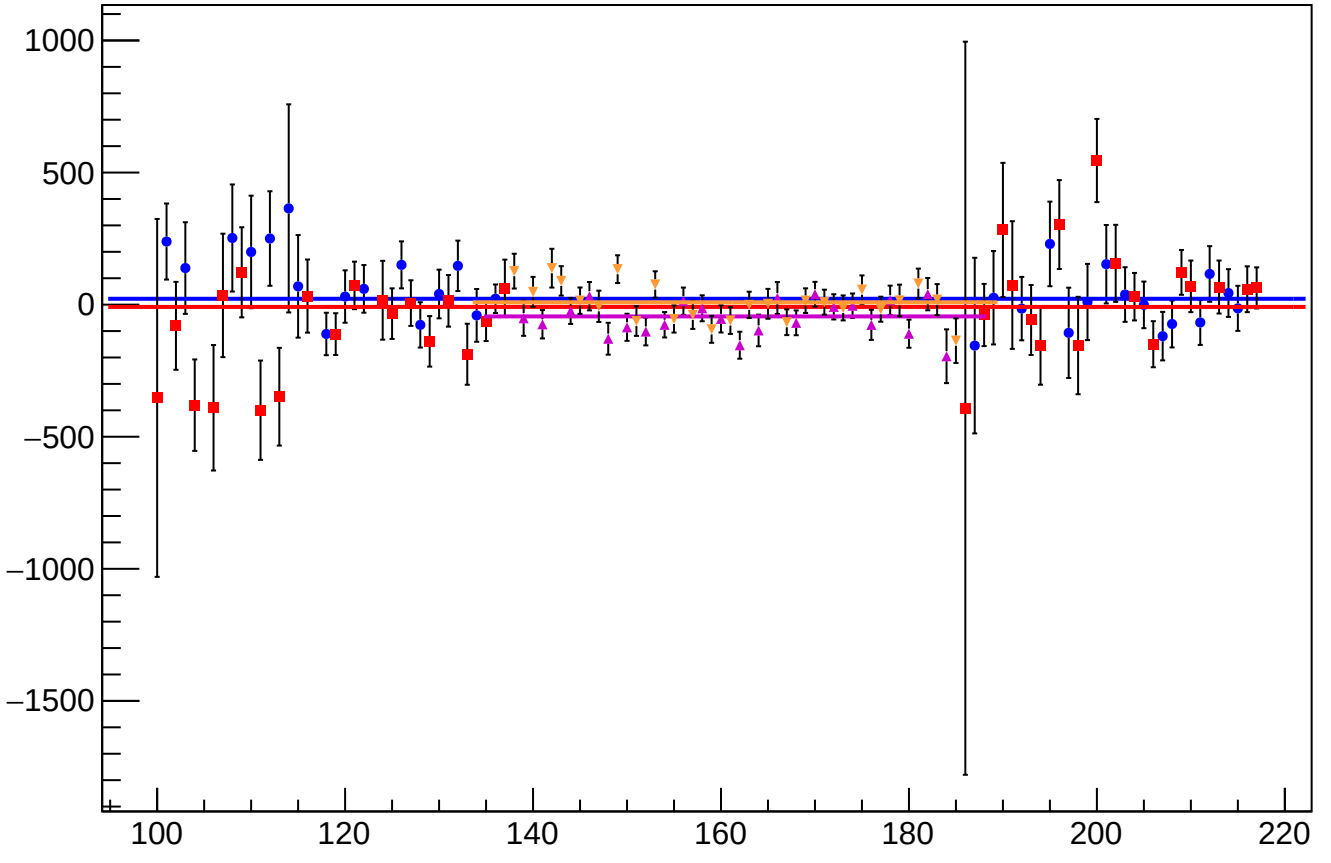
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 297.208+/-0.039 χ^2/NDF: 17777642.3/55

All: 298.412+/-0.028 χ^2/NDF: 37790431.0/11

- sign 299.668+/-0.040 χ^2/NDF: 20010814.2/58

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 22.213+/-19.111 χ^2/NDF: 24.8/30

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -8.593+/-19.467 χ^2/NDF: 52.3/35

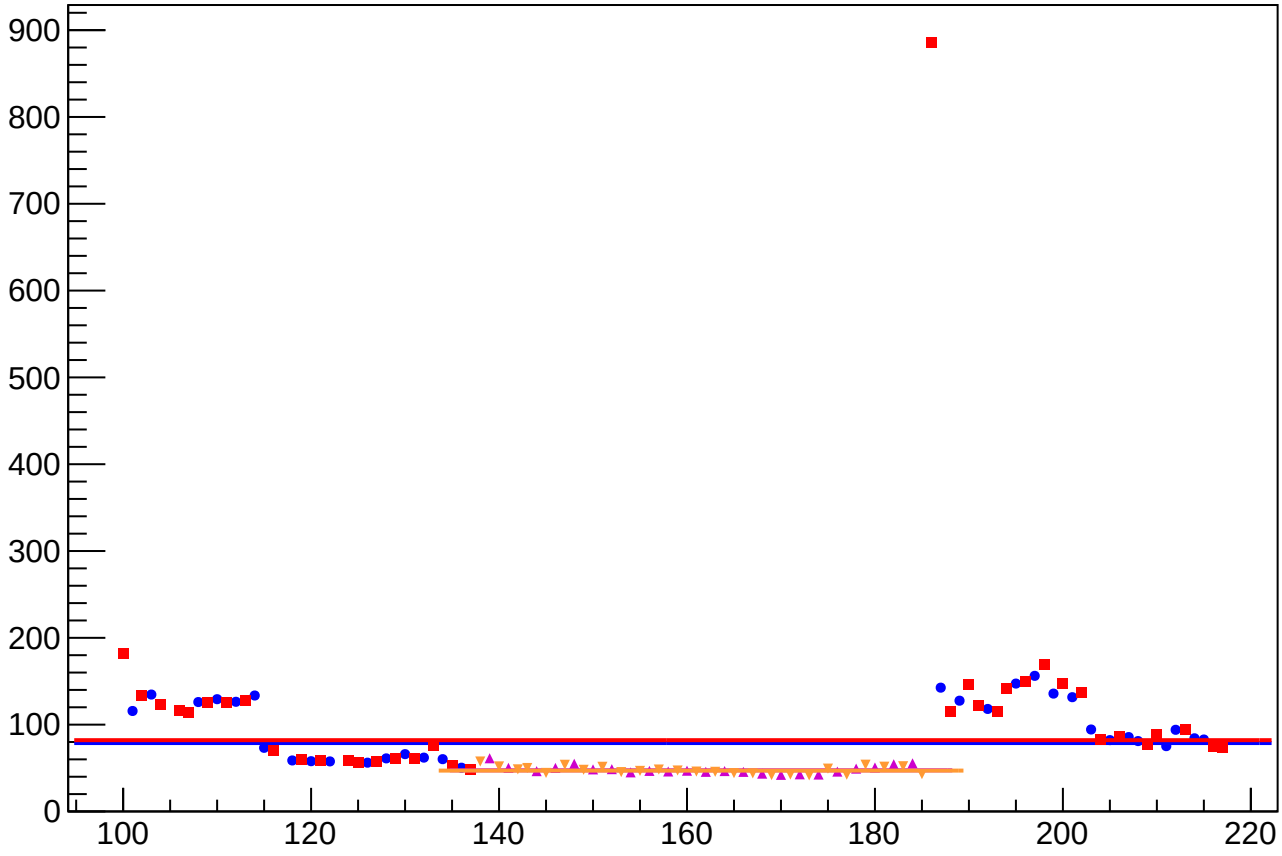
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.001+/-9.382 χ^2/NDF: 59.8/55

All: -11.100+/-6.735 χ^2/NDF: 154.1/114

- sign -35.662+/-9.674 χ^2/NDF: 81.8/58

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.799+/-0.014 χ^2/NDF: 3902663.9/30

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

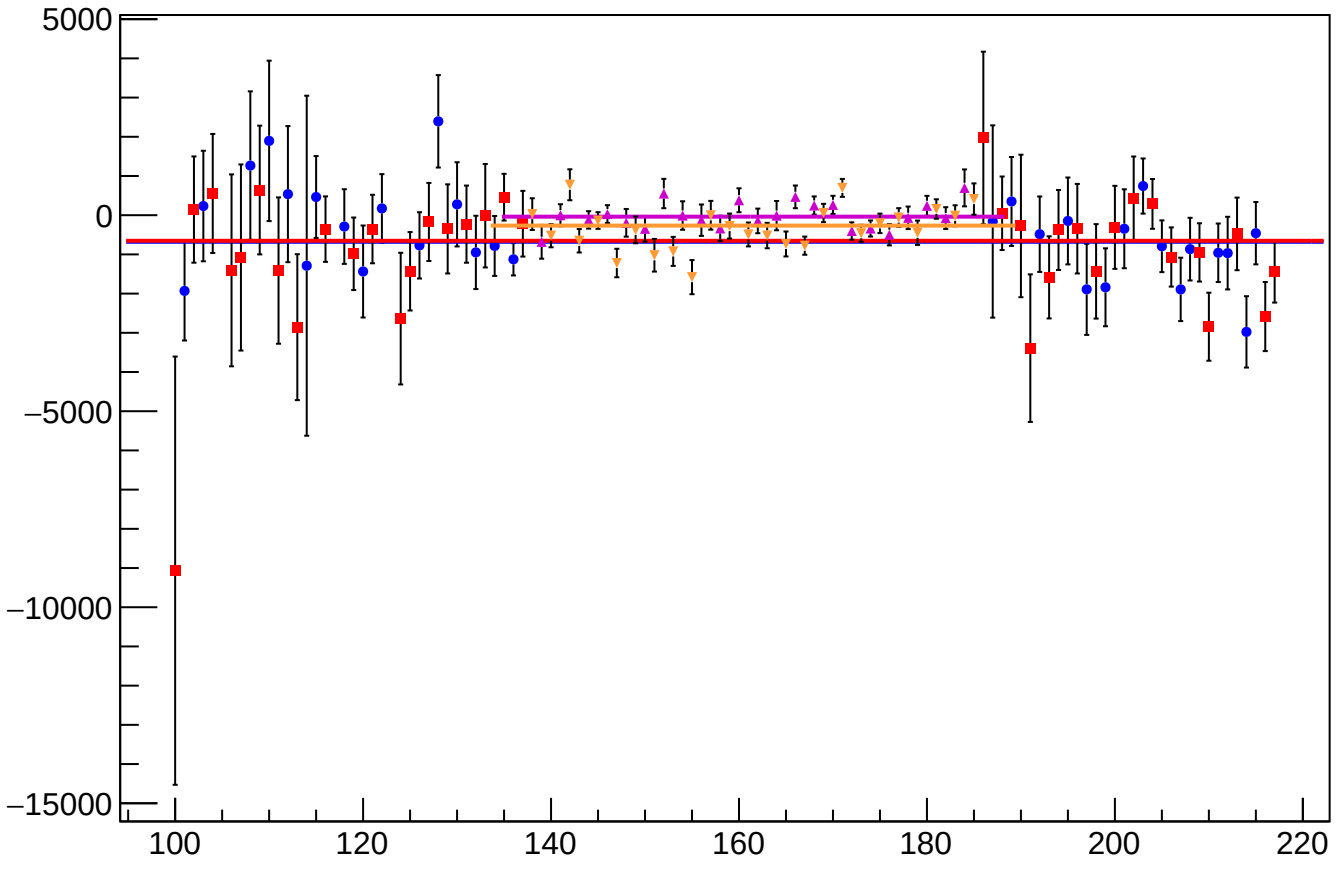
Right Out: 82.108+/-0.014 χ^2/NDF: 5068372.7/35

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.713+/-0.007 χ^2/NDF: 8376090.2/55

All: 55.317+/-0.005 χ^2/NDF: 18524585.3/114

- sign 55.960+/-0.007 χ^2/NDF: 10131384.6/58



Right In: -677.989+/-165.414 χ^2/NDF: 33.0/30

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

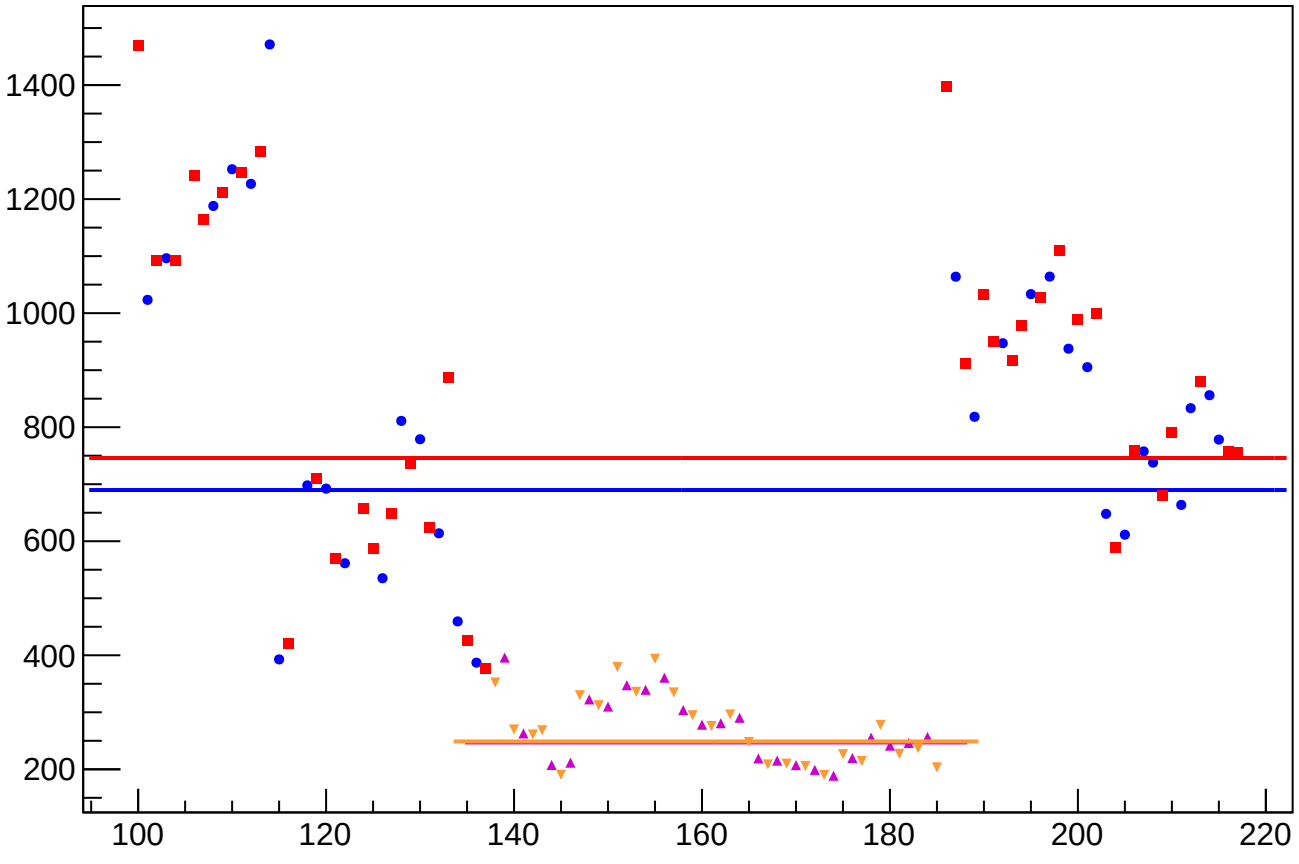
Right Out: -652.970+/-172.392 χ^2/NDF: 34.0/35

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -310.865+/-54.759 χ^2/NDF: 108.3/55

All: -208.871+/-39.137 χ^2/NDF: 187.4/114

- sign -102.368+/-55.956 χ^2/NDF: 72.0/58



Right In: 689.788+/-0.117 χ^2/NDF: 3462157.2/30

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 745.975+/-0.122 χ^2/NDF: 3542835.8/35

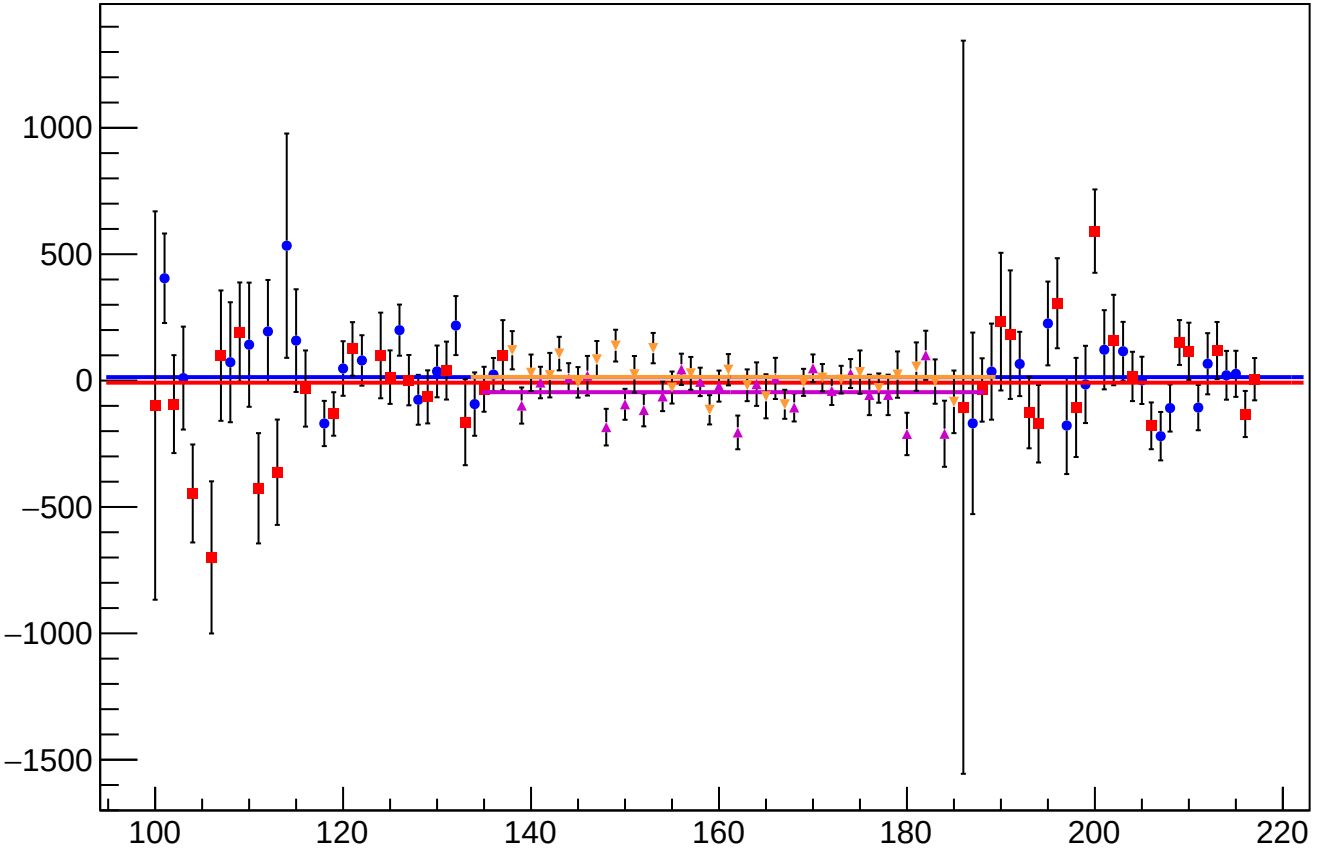
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 297.208+/-0.039 χ^2/NDF: 17777642.3/55

All: 298.412+/-0.028 χ^2/NDF: 37790431.0/11

- sign 299.668+/-0.040 χ^2/NDF: 20010814.2/58

dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.683+/-21.344 χ^2/NDF: 34.7/30

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -8.159+/-21.807 χ^2/NDF: 56.2/35

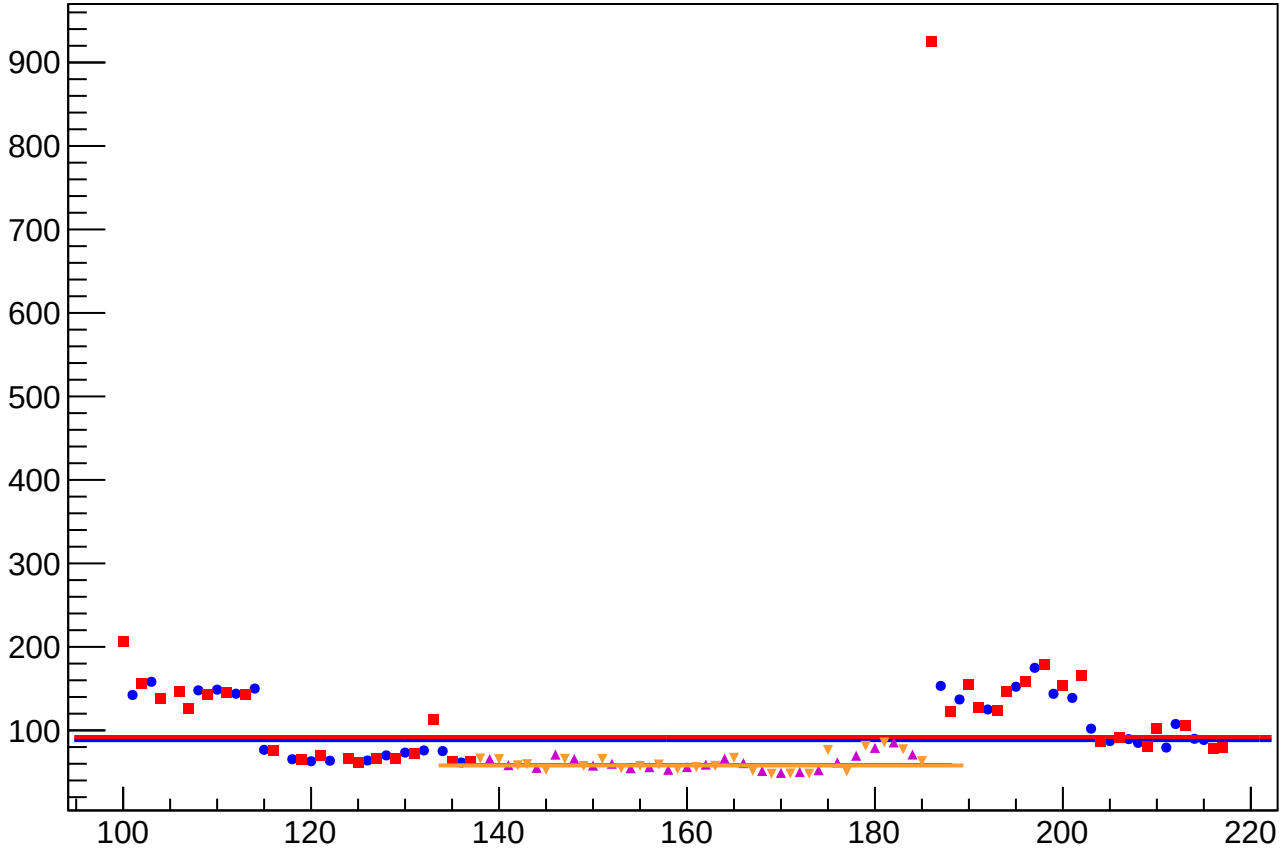
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 14.266+/-11.382 χ^2/NDF: 59.3/55

All: -9.552+/-8.172 χ^2/NDF: 157.4/114

- sign -34.895+/-11.740 χ^2/NDF: 89.1/58

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.316+/-0.015 χ^2/NDF: 3473505.6/30

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

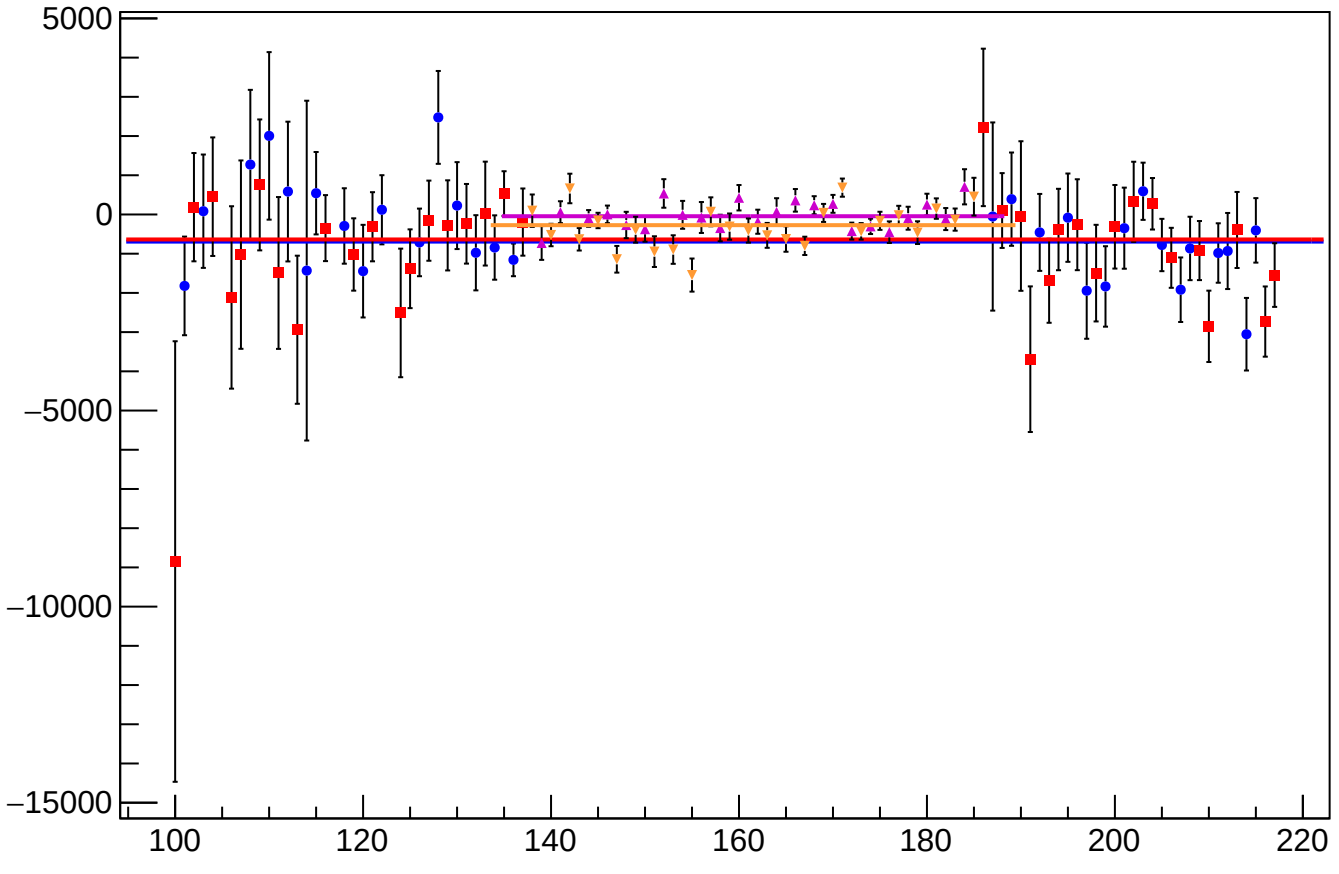
Right Out: 92.051+/-0.015 χ^2/NDF: 4741647.1/35

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 66.596+/-0.008 χ^2/NDF: 7264685.6/55

All: 67.378+/-0.006 χ^2/NDF: 16041916.4/114

- sign 68.209+/-0.008 χ^2/NDF: 8757768.2/58



Right In: -691.650+/-168.992 χ^2/NDF: 32.2/30

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -637.227+/-174.166 χ^2/NDF: 36.5/35

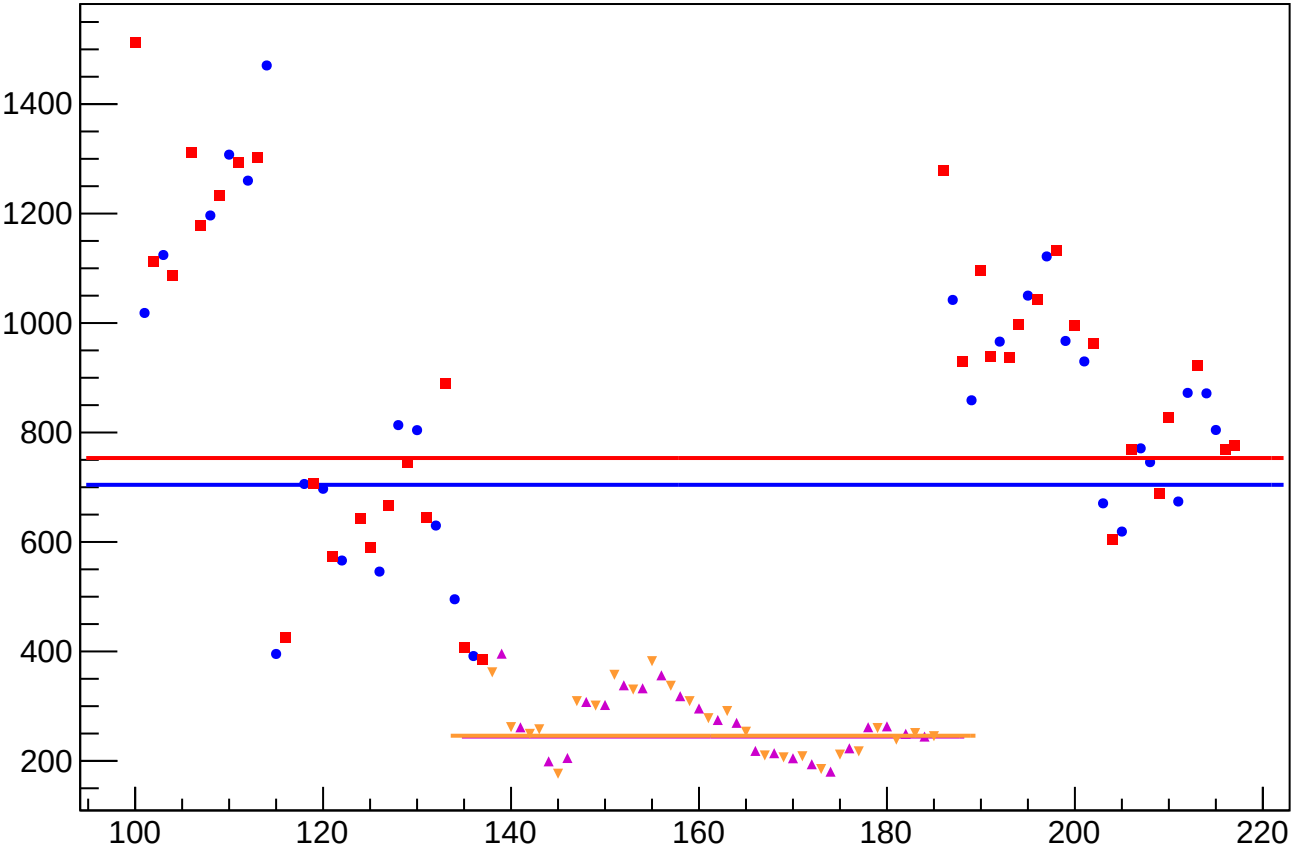
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -315.697+/-54.243 χ^2/NDF: 103.5/55

All: -212.787+/-38.810 χ^2/NDF: 184.2/114

- sign -104.850+/-55.553 χ^2/NDF: 73.4/58

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 704.410+/-0.119 χ^2/NDF: 3512677.5/30

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 753.366+/-0.123 χ^2/NDF: 3709812.8/35

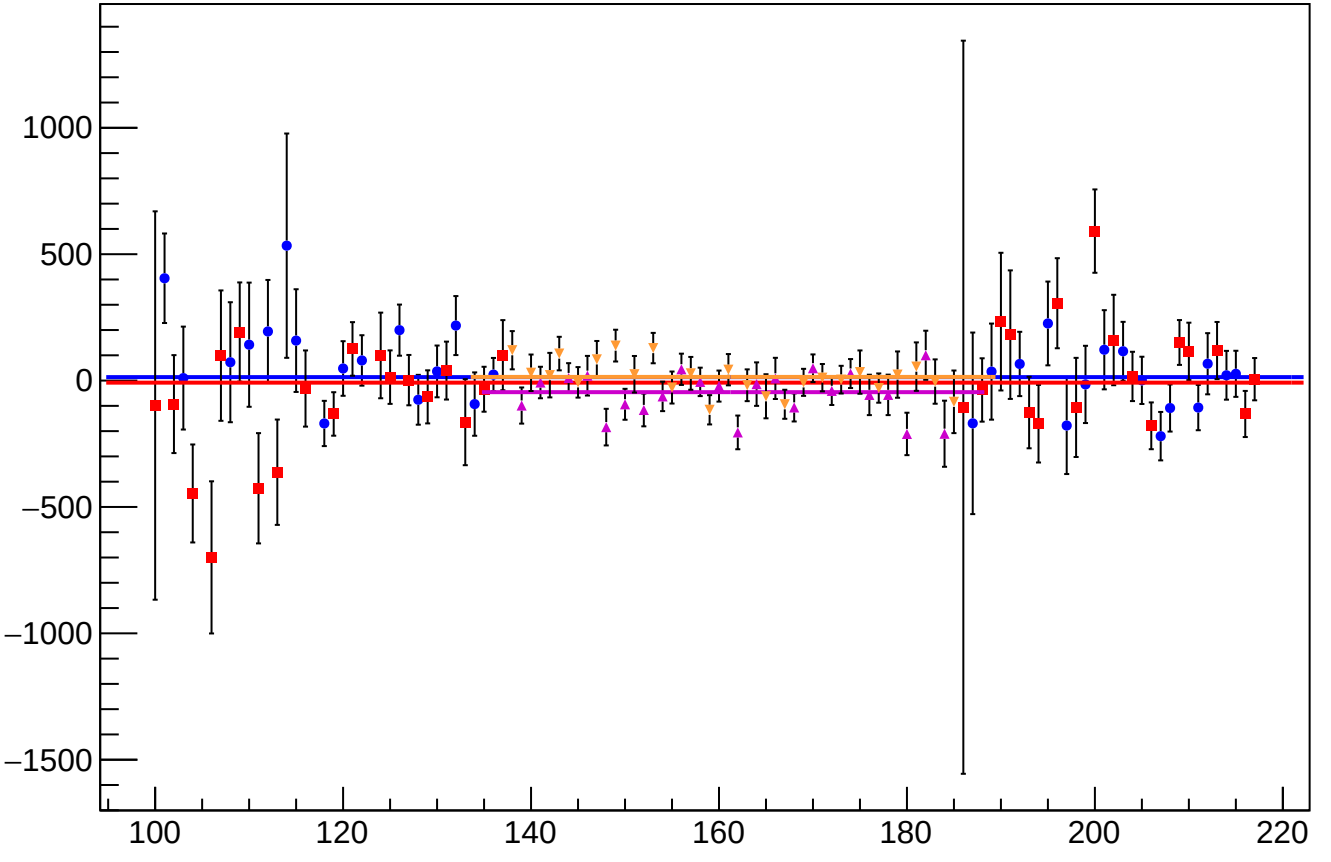
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 293.245+/-0.038 χ^2/NDF: 18392637.4/55

All: 294.700+/-0.027 χ^2/NDF: 39041393.3/11

- sign 296.226+/-0.039 χ^2/NDF: 20645807.5/58

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 13.684+/-21.344 χ^2/NDF: 34.7/30

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -8.158+/-21.807 χ^2/NDF: 56.2/35

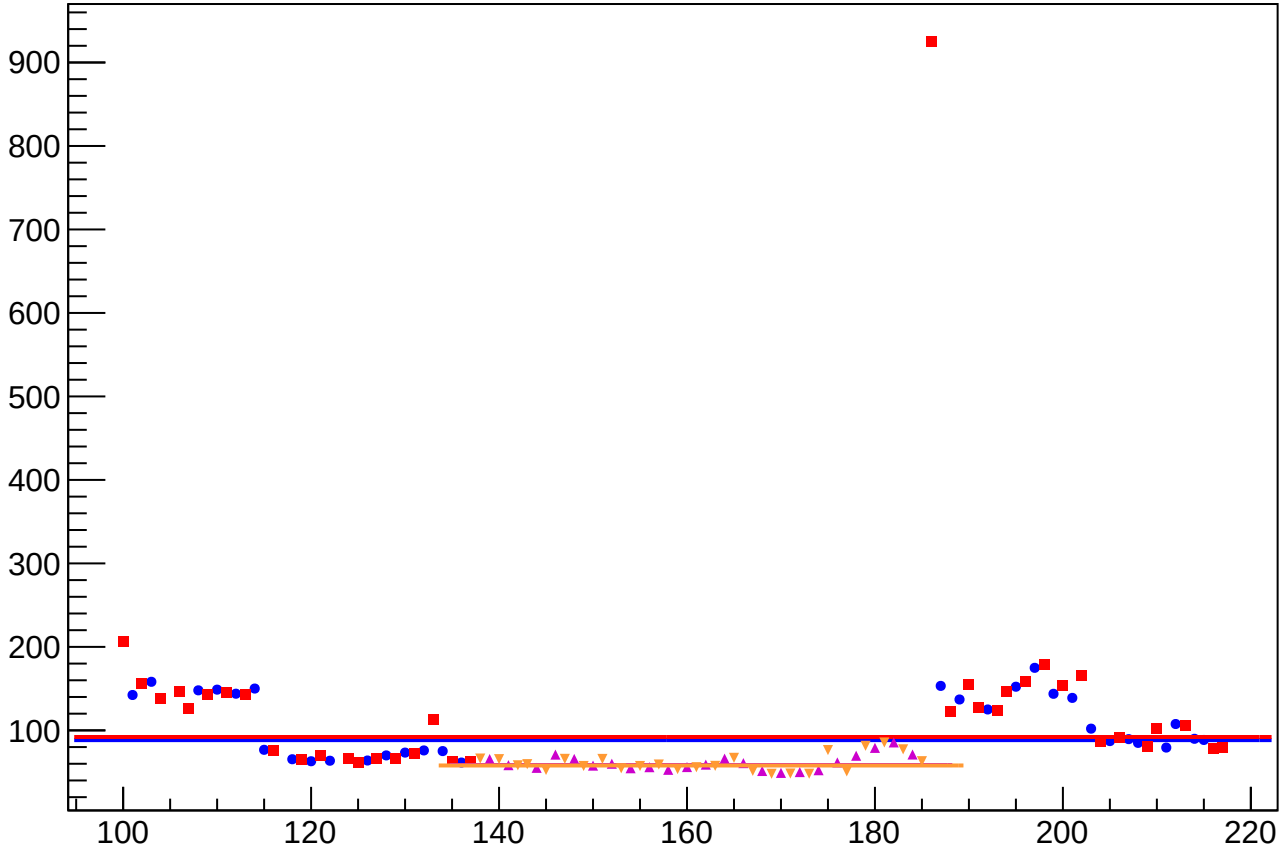
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 14.266+/-11.382 χ^2/NDF: 59.3/55

All: -9.552+/-8.172 χ^2/NDF: 157.4/114

- sign -34.894+/-11.740 χ^2/NDF: 89.1/58

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.316+/-0.015 χ^2/NDF: 3473510.0/30

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

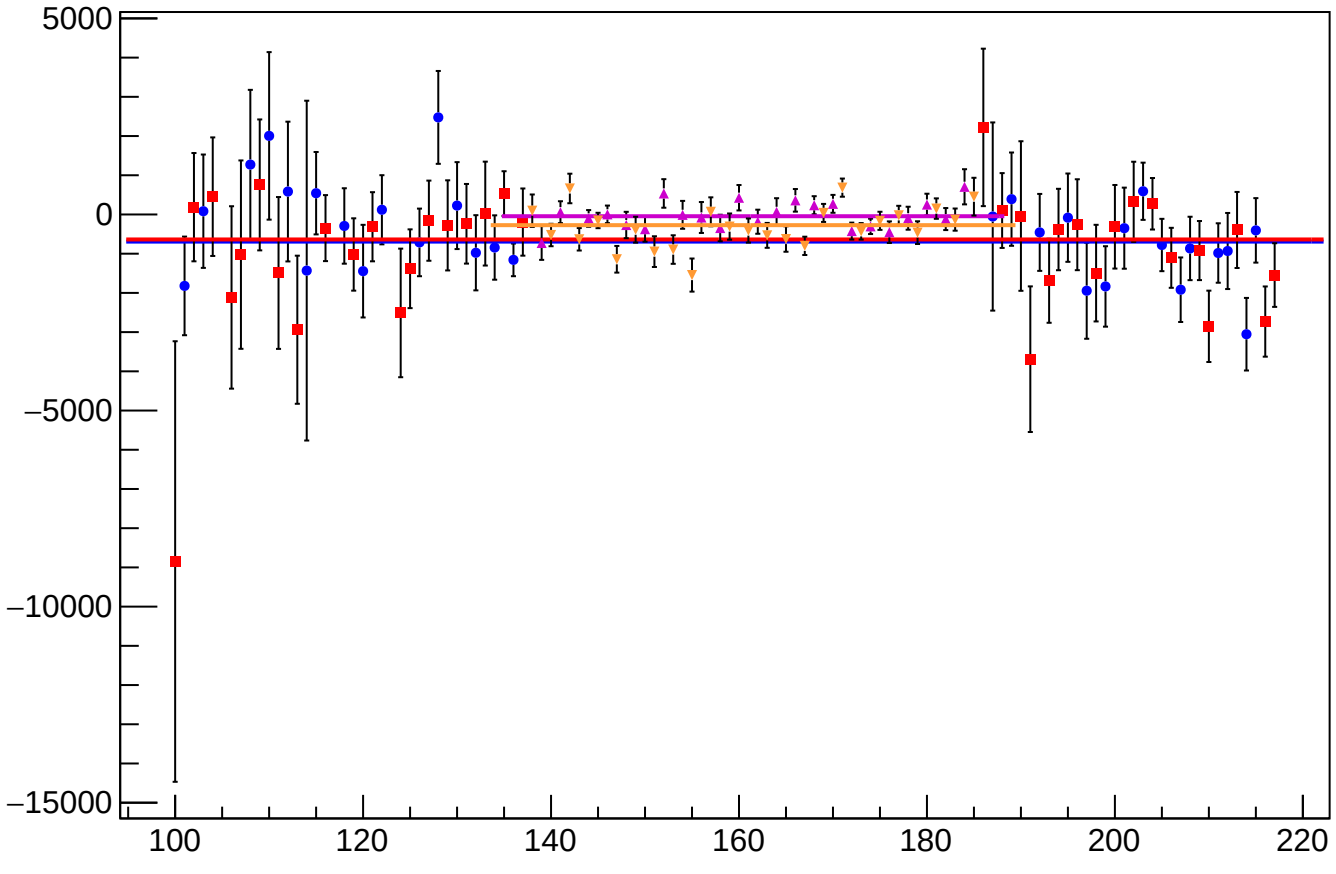
Right Out: 92.051+/-0.015 χ^2/NDF: 4741660.0/35

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 66.596+/-0.008 χ^2/NDF: 7264637.9/55

All: 67.378+/-0.006 χ^2/NDF: 16041796.2/114

- sign 68.209+/-0.008 χ^2/NDF: 8757694.2/58



Right In: -691.648+/-168.992 χ^2/NDF: 32.2/30

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

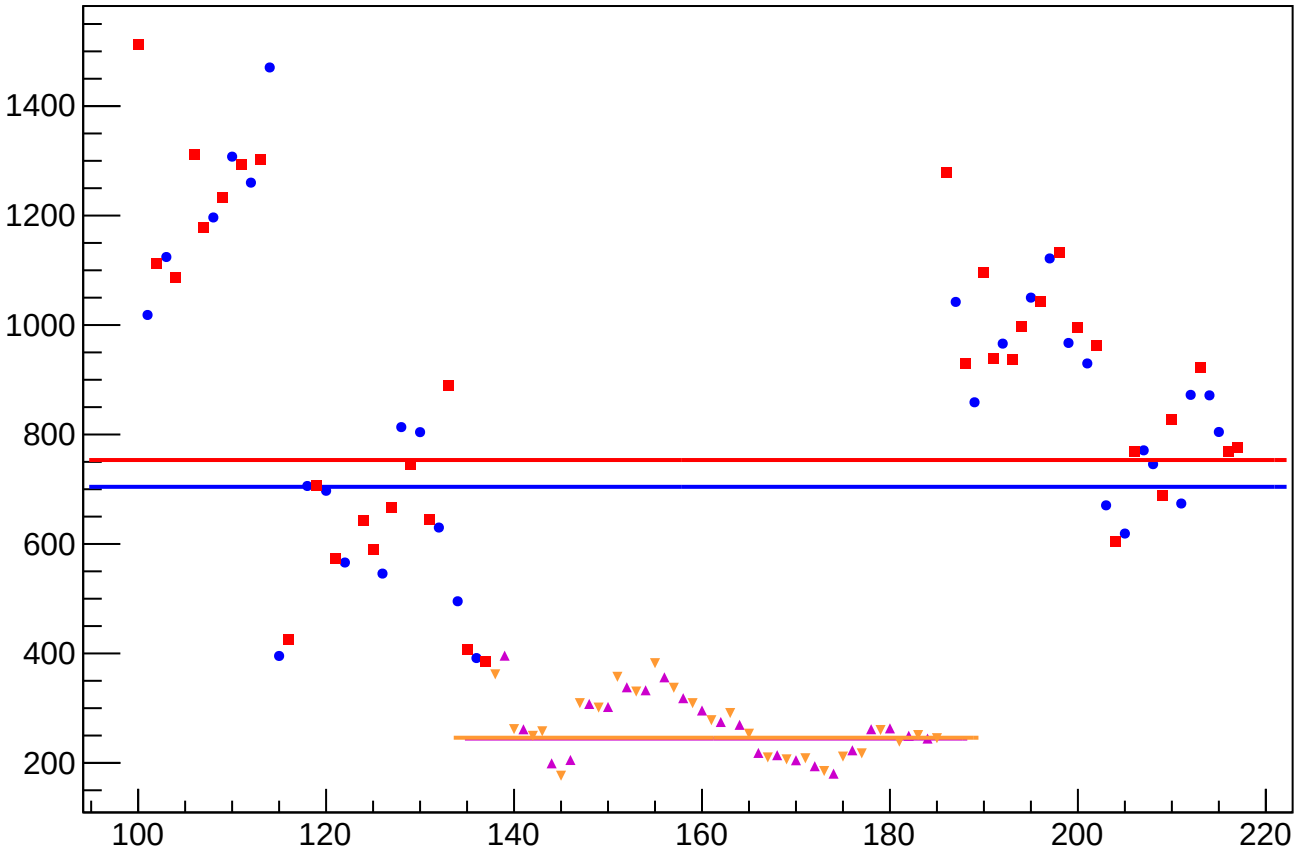
Right Out: -637.226+/-174.166 χ^2/NDF: 36.5/35

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -315.696+/-54.243 χ^2/NDF: 103.5/55

All: -212.787+/-38.810 χ^2/NDF: 184.2/114

- sign -104.850+/-55.553 χ^2/NDF: 73.4/58



Right In: 704.410+/-0.119 χ^2/NDF: 3512661.3/30

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 753.365+/-0.123 χ^2/NDF: 3709792.3/35

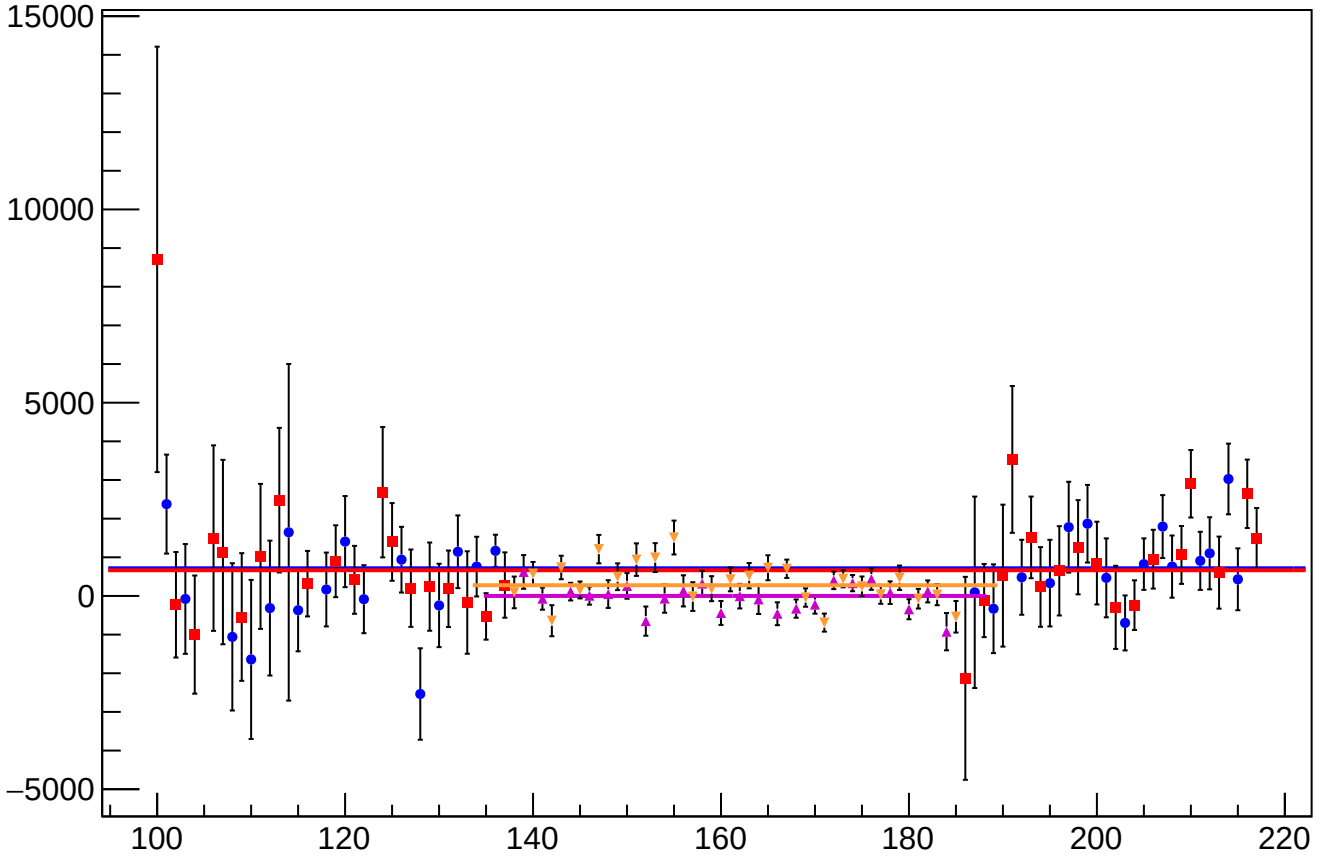
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 293.244+/-0.038 χ^2/NDF: 18392649.2/55

All: 294.699+/-0.027 χ^2/NDF: 39041395.5/11

- sign 296.226+/-0.039 χ^2/NDF: 20645797.6/58

asym_sam_1526_avg_mean vs Slug



Right In: 715.257+/-166.830 χ^2/NDF: 32.7/30

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 665.380+/-173.852 χ^2/NDF: 33.8/35

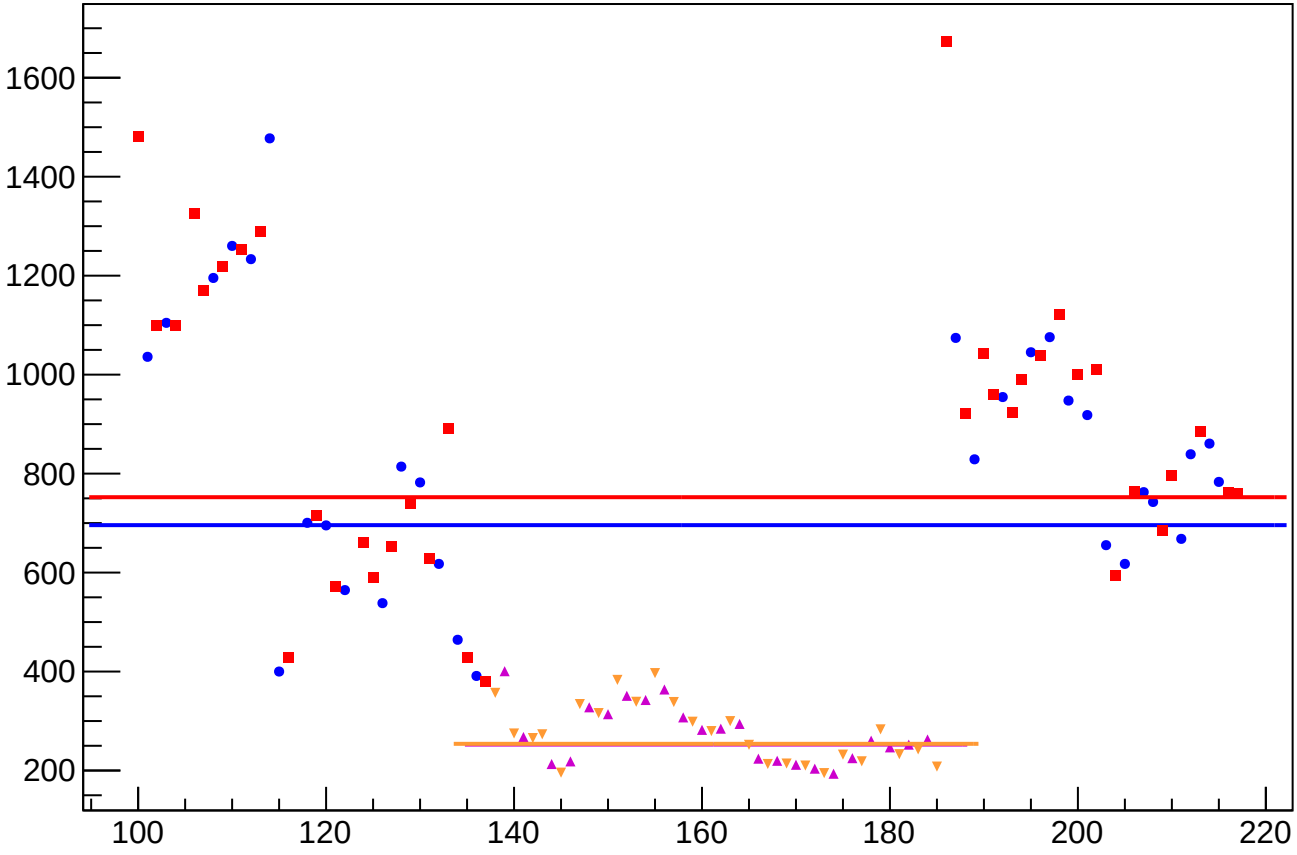
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 326.006+/-55.748 χ^2/NDF: 102.9/55

All: 201.894+/-39.861 χ^2/NDF: 188.0/114

- sign 72.066+/-57.018 χ^2/NDF: 75.0/58

asym_sam_1526_avg_rms vs Slug



Right In: 695.857+/-0.118 χ^2/NDF: 3446786.1/30

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

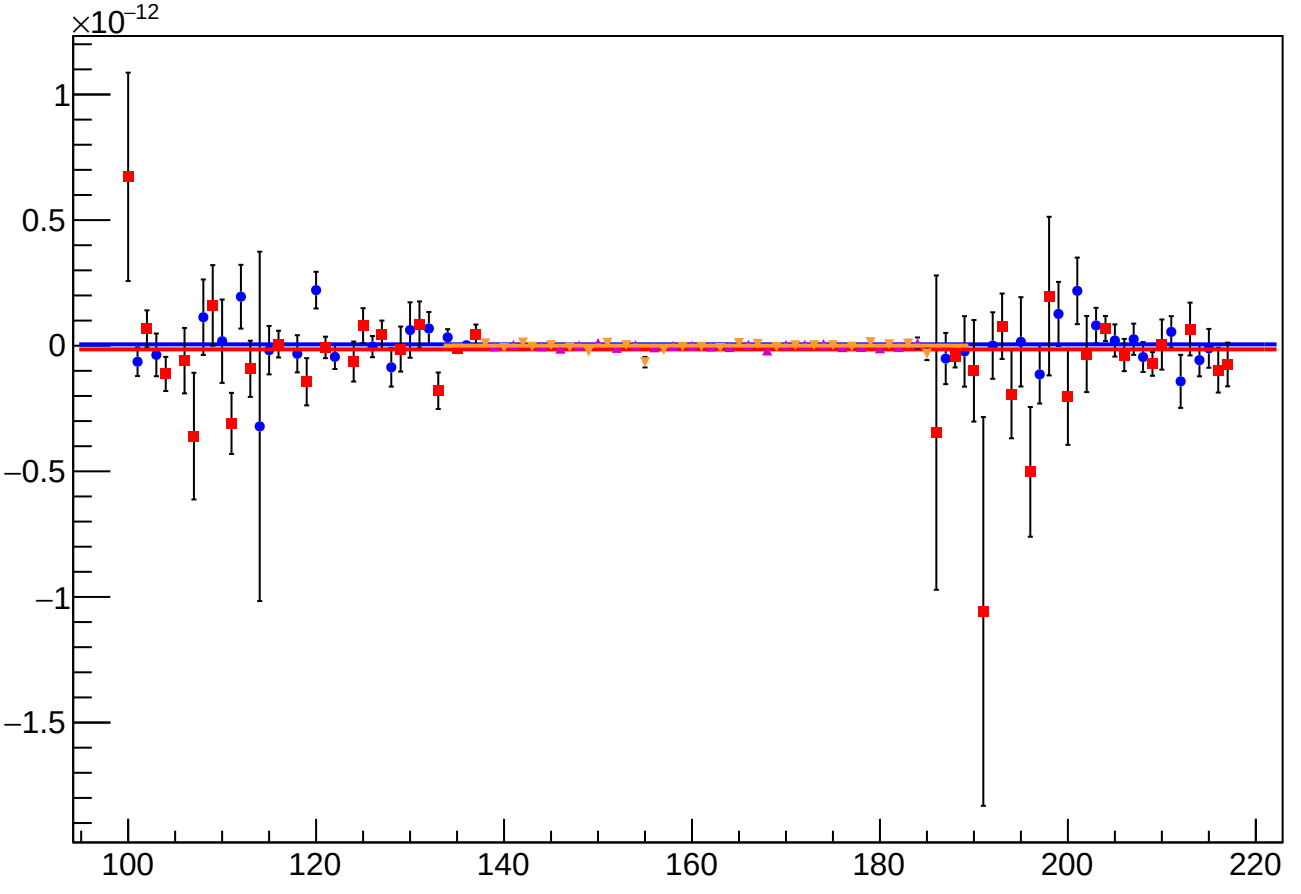
Right Out: 752.327+/-0.123 χ^2/NDF: 3643975.0/35

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 303.298+/-0.039 χ^2/NDF: 17503124.2/55

All: 304.699+/-0.028 χ^2/NDF: 37321589.5/11

- sign 306.164+/-0.040 χ^2/NDF: 19815881.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.1/35

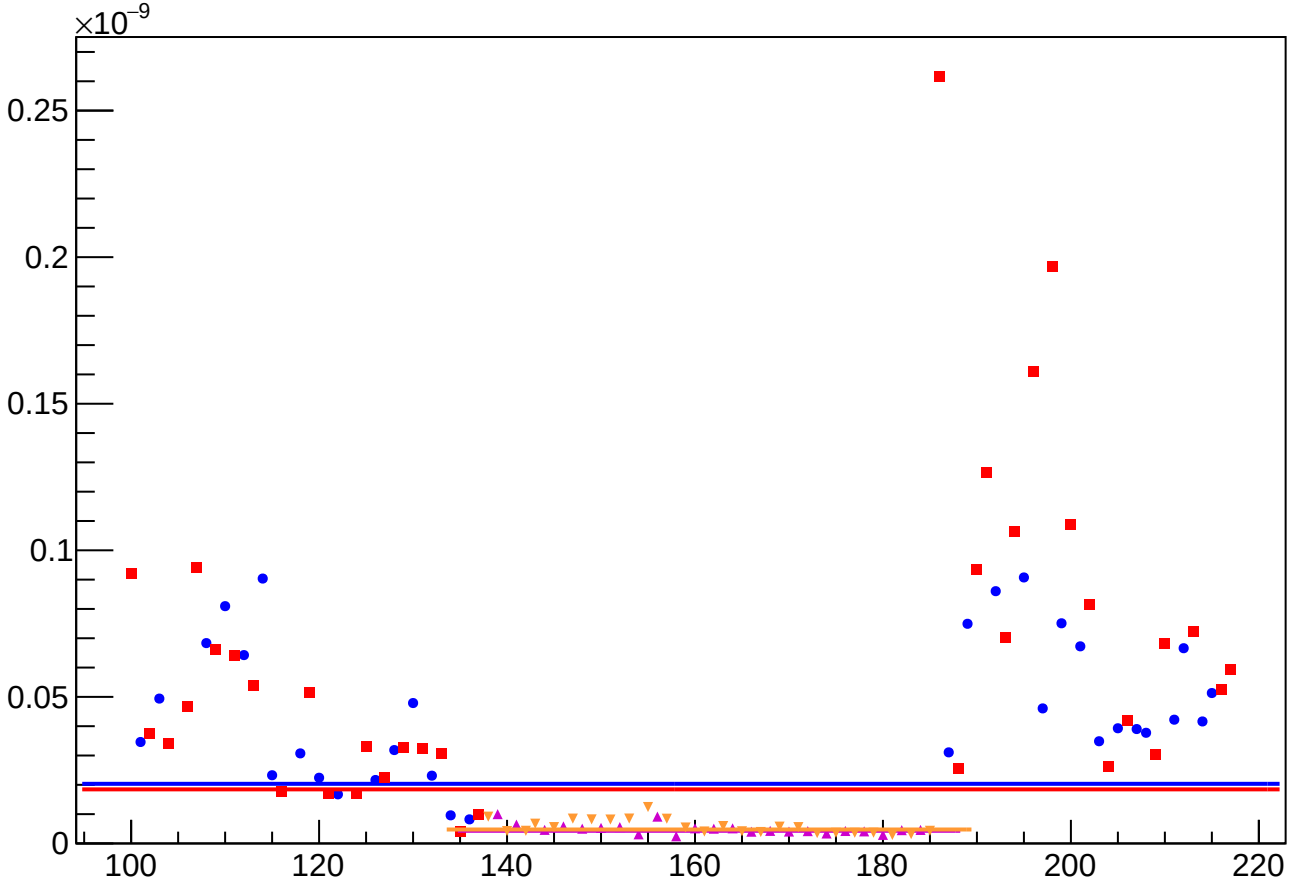
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/55

All: -0.000+/-0.000 χ^2/NDF: 118.0/114

- sign -0.000+/-0.000 χ^2/NDF: 60.9/58

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6794362.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

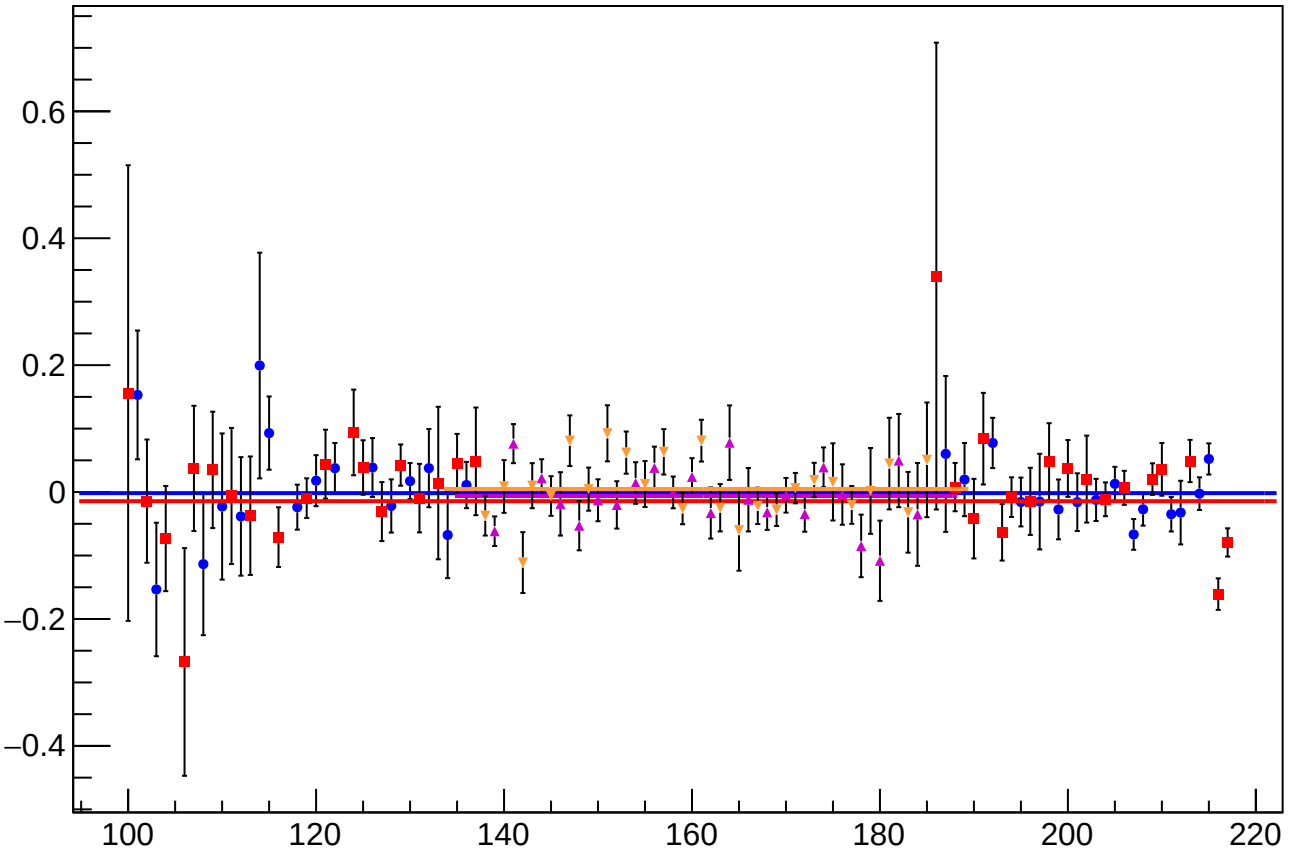
Right Out: 0.000+/-0.000 χ^2/NDF: 9874994.3/35

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13632533.7/55

All: 0.000+/-0.000 χ^2/NDF: 28889275.0/114

- sign 0.000+/-0.000 χ^2/NDF: 15177370.3/58



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.014+/-0.007 χ^2/NDF: 73.7/35

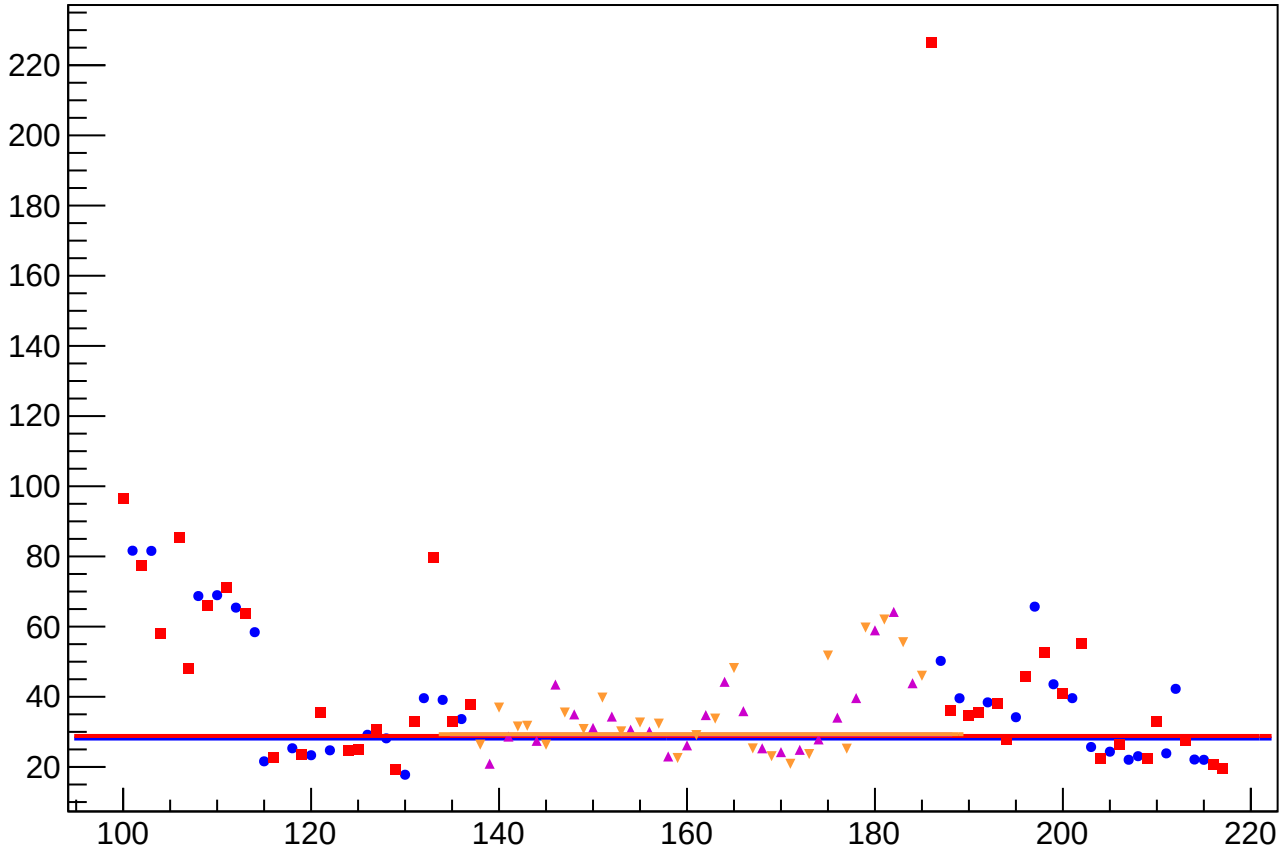
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.002+/-0.005 χ^2/NDF: 68.7/55

All: -0.004+/-0.004 χ^2/NDF: 176.7/114

- sign -0.010+/-0.005 χ^2/NDF: 105.3/58

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 28.101+/-0.005 χ^2/NDF: 4337159.9/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

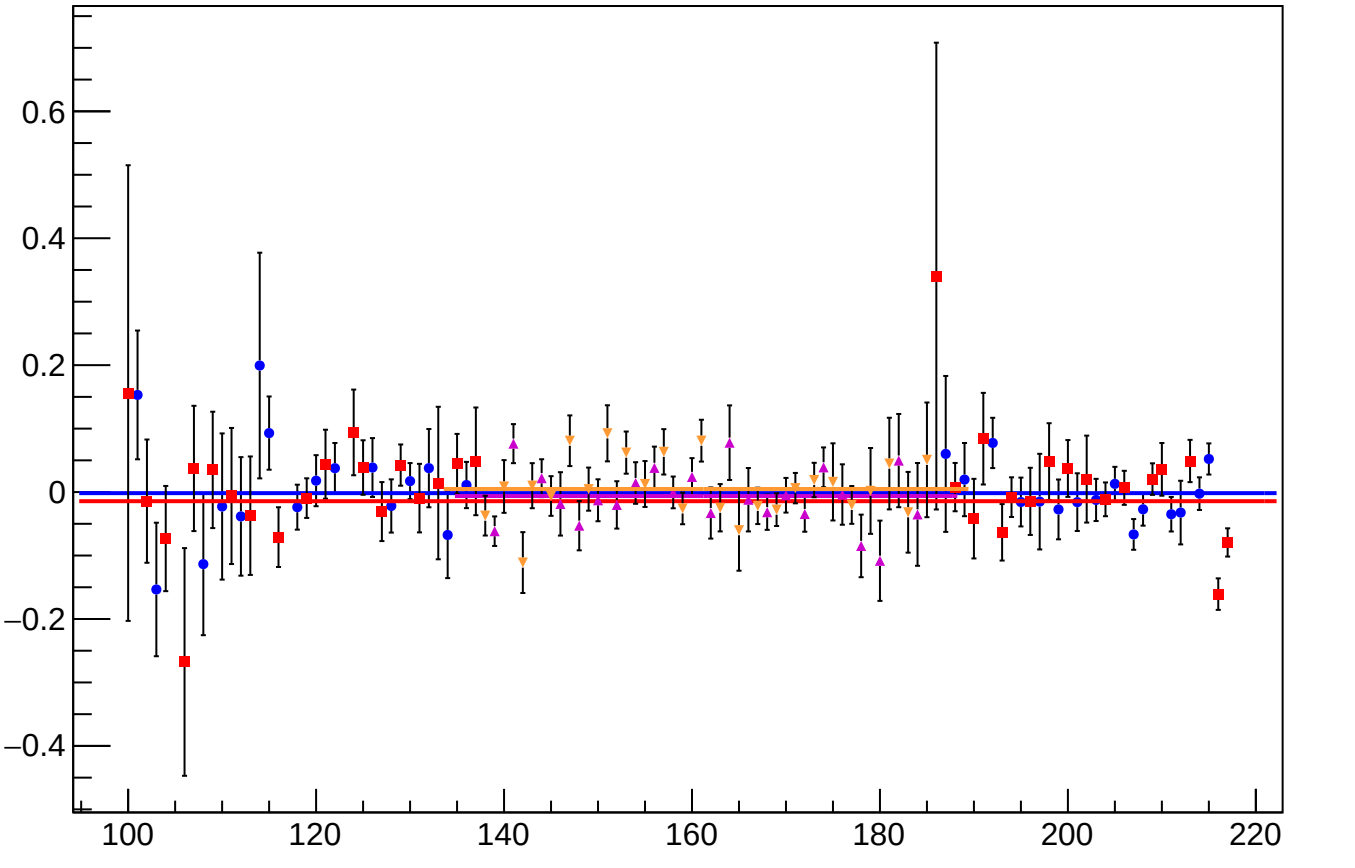
Right Out: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 28.723+/-0.004 χ^2/NDF: 7054398.4/55

All: 28.874+/-0.003 χ^2/NDF: 14488561.8/114

- sign 29.030+/-0.004 χ^2/NDF: 7430516.2/58



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.014+/-0.007 χ^2/NDF: 73.7/35

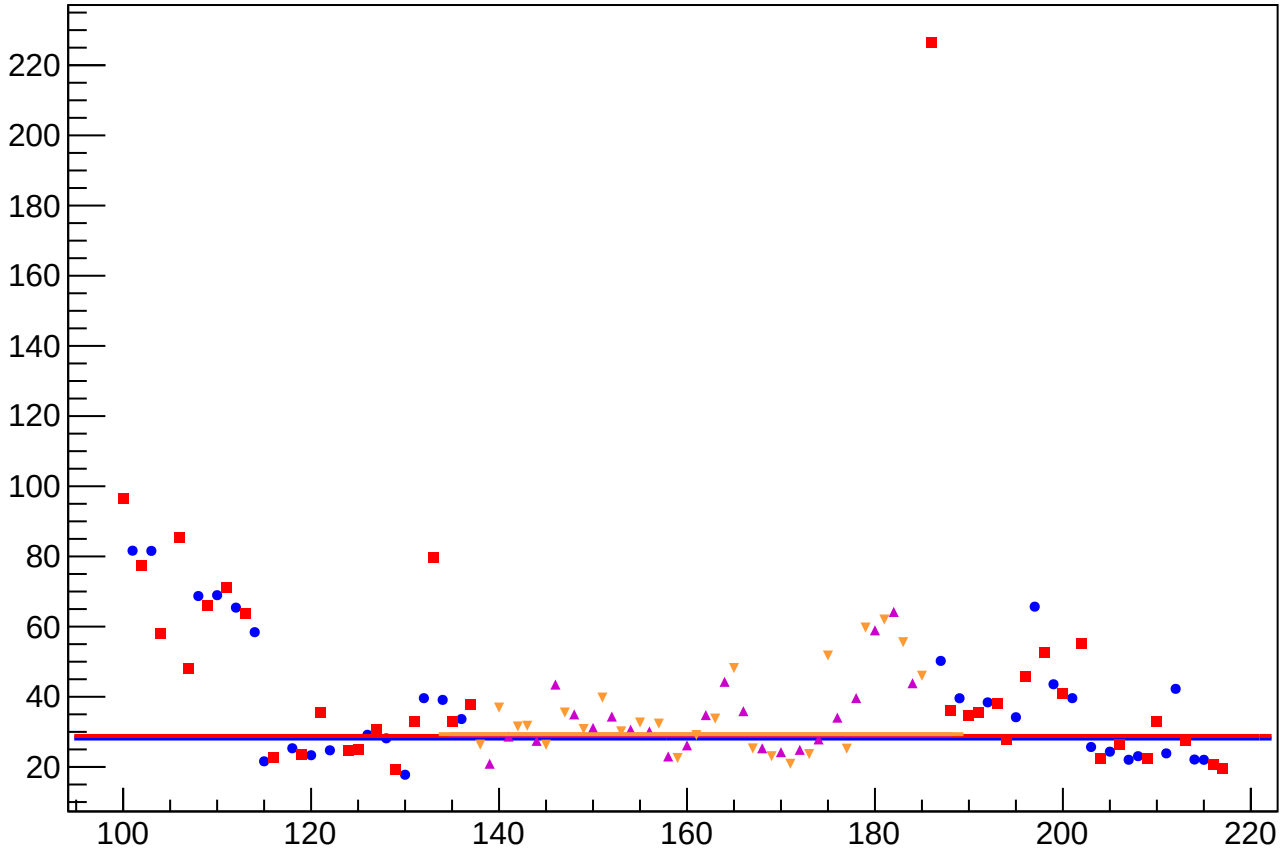
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.002+/-0.005 χ^2/NDF: 68.7/55

All: -0.004+/-0.004 χ^2/NDF: 176.7/114

- sign -0.010+/-0.005 χ^2/NDF: 105.3/58

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.101+/-0.005 χ^2/NDF: 4337159.9/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

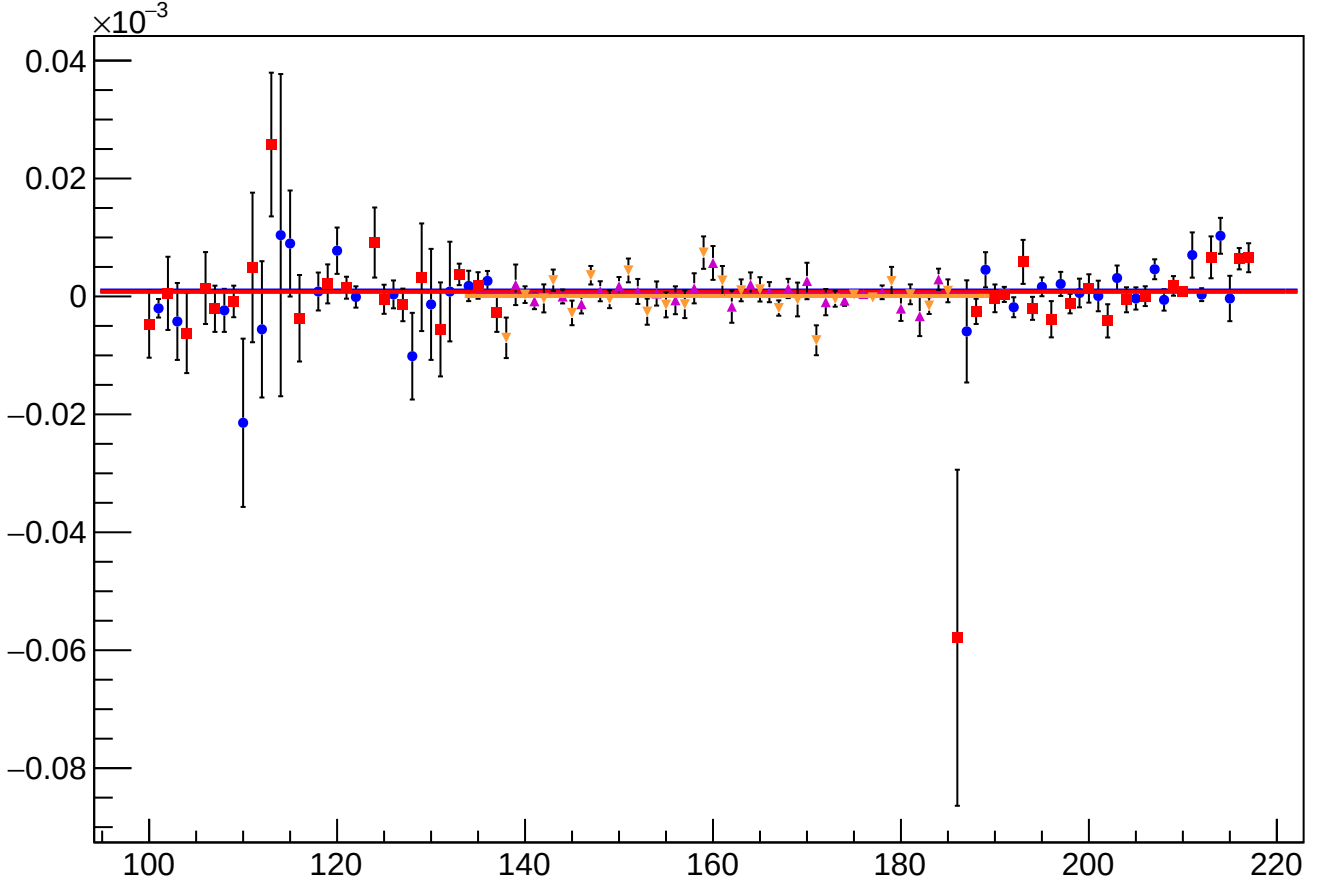
Right Out: 28.836+/-0.005 χ^2/NDF: 5329952.5/35

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 28.723+/-0.004 χ^2/NDF: 7054398.4/55

All: 28.874+/-0.003 χ^2/NDF: 14488561.8/114

- sign 29.030+/-0.004 χ^2/NDF: 7430516.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

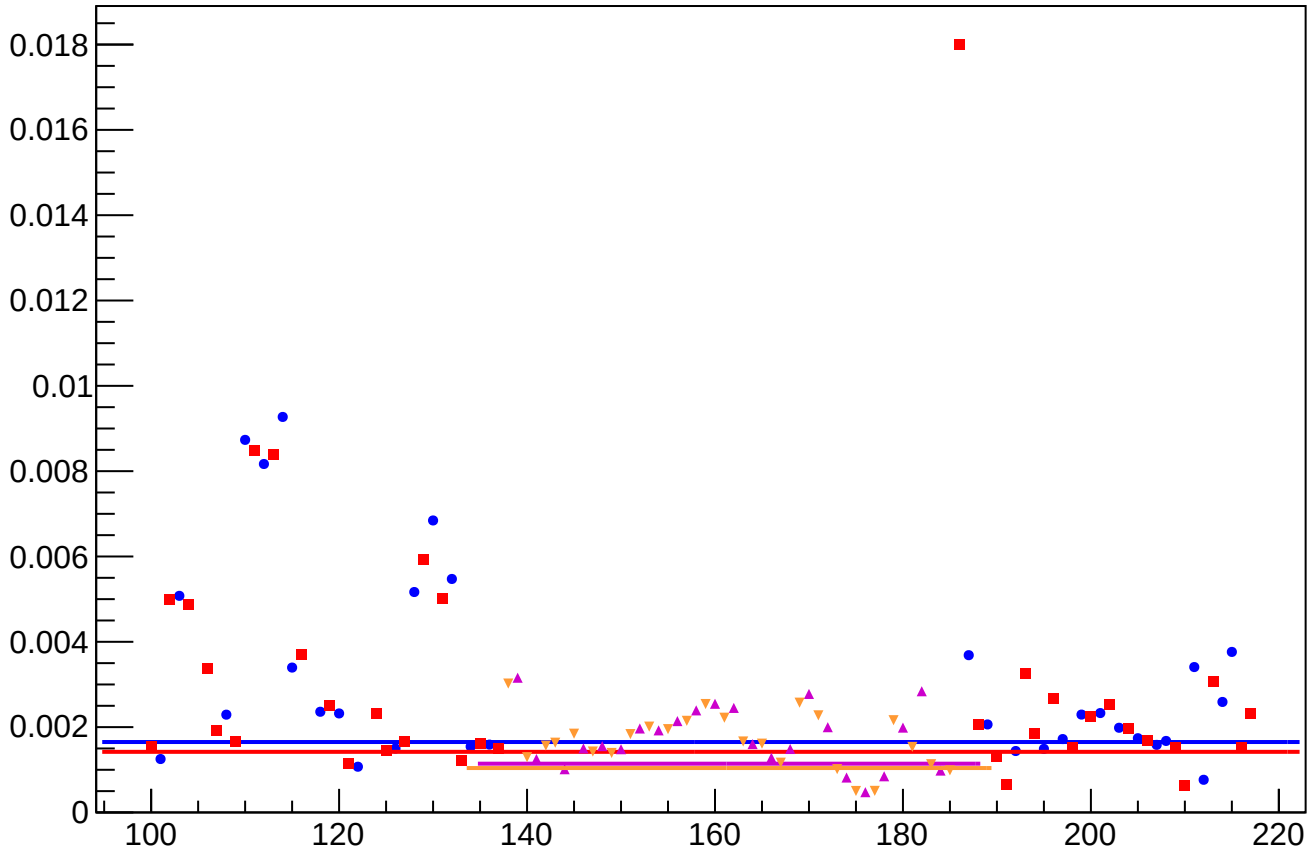
Right Out: 0.000+/-0.000 χ^2/NDF: 52.0/35

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.2/55

All: 0.000+/-0.000 χ^2/NDF: 155.8/114

- sign 0.000+/-0.000 χ^2/NDF: 68.3/58



Right In: 0.002+/-0.000 χ^2/NDF: 7009858.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

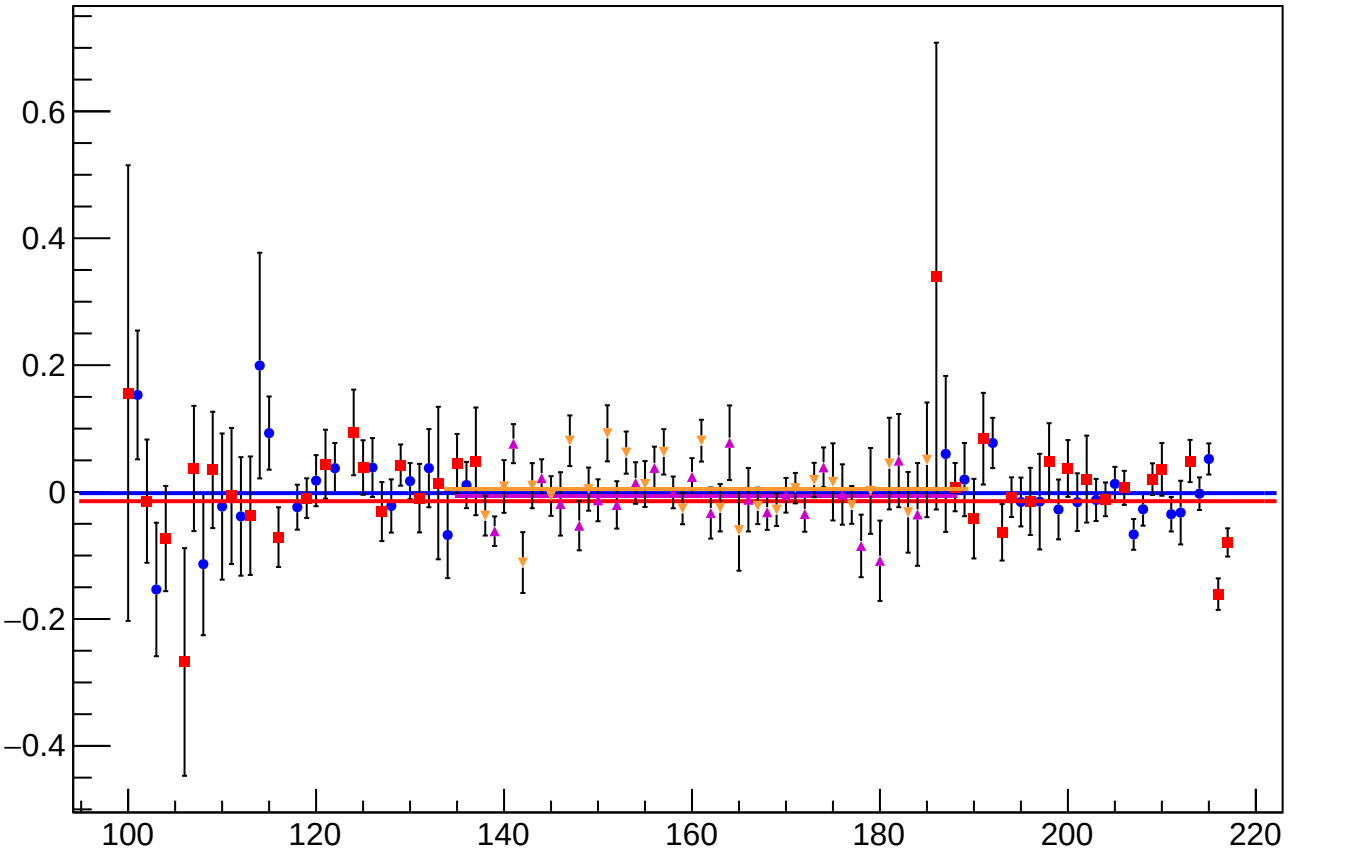
Right Out: 0.001+/-0.000 χ^2/NDF: 10515431.7/35

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19655999.2/55

All: 0.001+/-0.000 χ^2/NDF: 39142896.2/114

- sign 0.001+/-0.000 χ^2/NDF: 19463383.0/58



Right In: -0.002+/-0.007 χ^2/NDF: 34.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

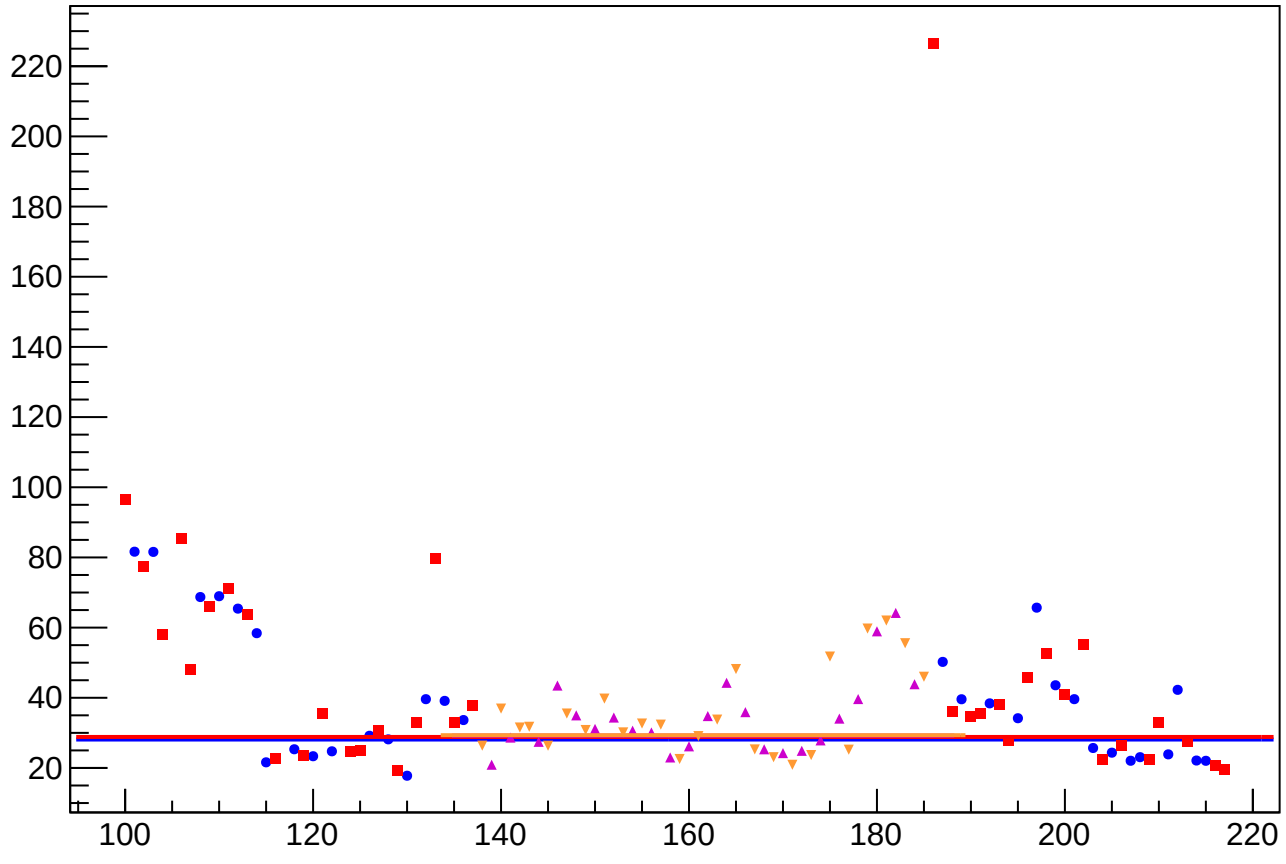
Right Out: -0.014+/-0.007 χ^2/NDF: 73.7/35

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.002+/-0.005 χ^2/NDF: 68.7/55

All: -0.004+/-0.004 χ^2/NDF: 176.7/114

- sign -0.010+/-0.005 χ^2/NDF: 105.3/58



Right In: 28.101+/-0.005 χ^2/NDF: 4337370.2/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

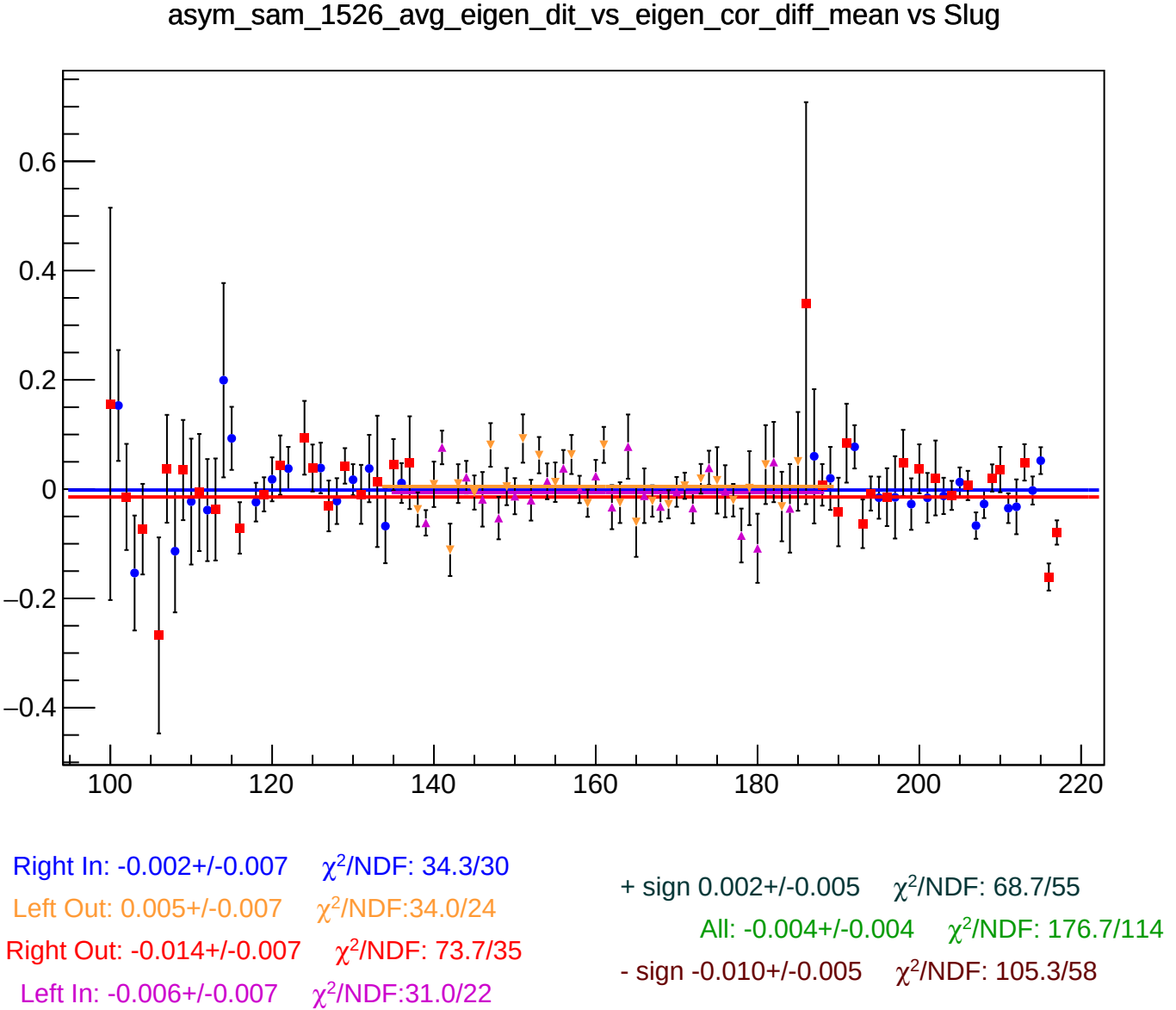
Right Out: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

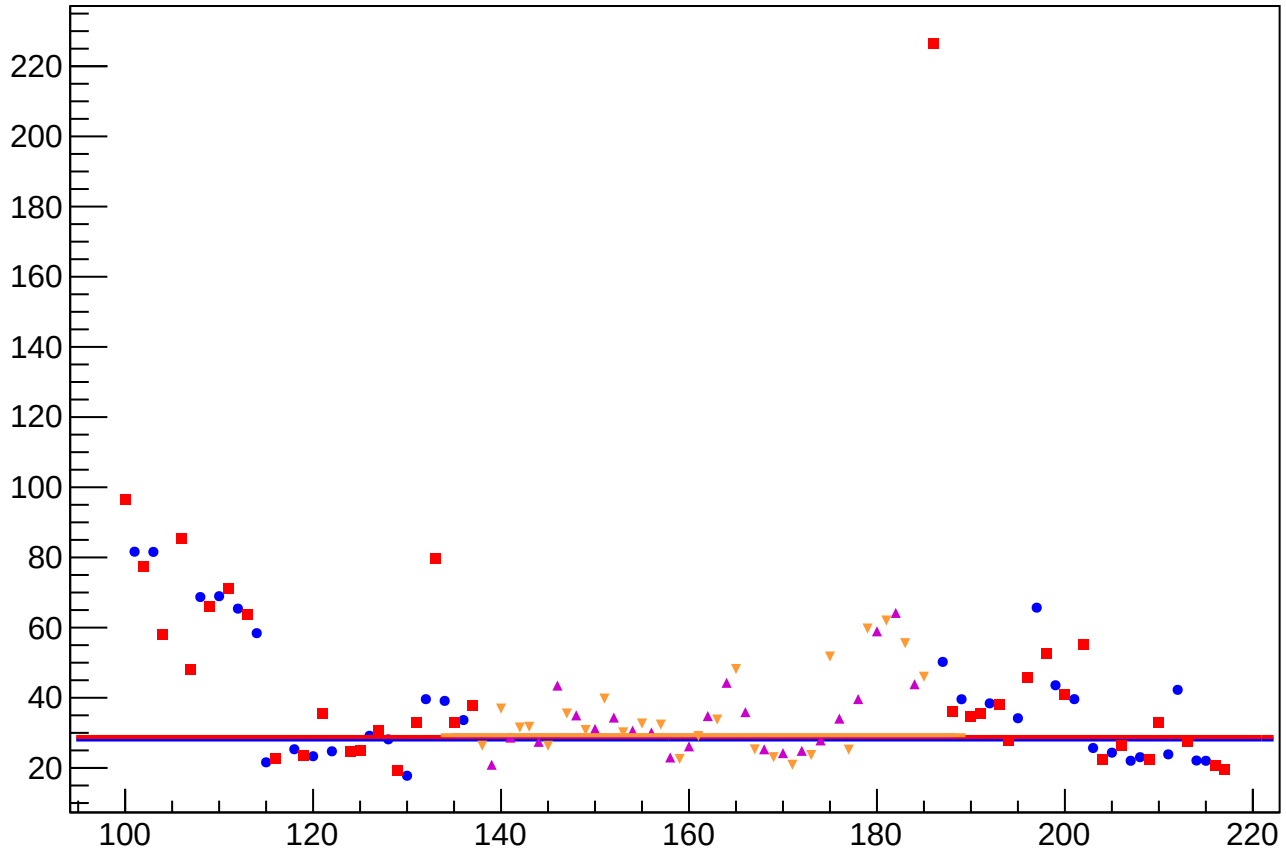
Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 28.723+/-0.004 χ^2/NDF: 7054682.0/55

All: 28.874+/-0.003 χ^2/NDF: 14489092.7/114

- sign 29.030+/-0.004 χ^2/NDF: 7430763.9/58


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
–0.2
–0.4
100
120
140
160
180
200
220
Right In: -0.002+/-0.007 χ²/NDF: 34.3/30
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.014+/-0.007 χ²/NDF: 73.7/35
Left In: -0.006+/-0.007 χ²/NDF:31.0/22
+ sign 0.002+/-0.005 χ²/NDF: 68.7/55
All: -0.004+/-0.004 χ²/NDF: 176.7/114
- sign -0.010+/-0.005 χ²/NDF: 105.3/58



Right In: 28.101+/-0.005 χ^2/NDF: 4337370.2/30

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

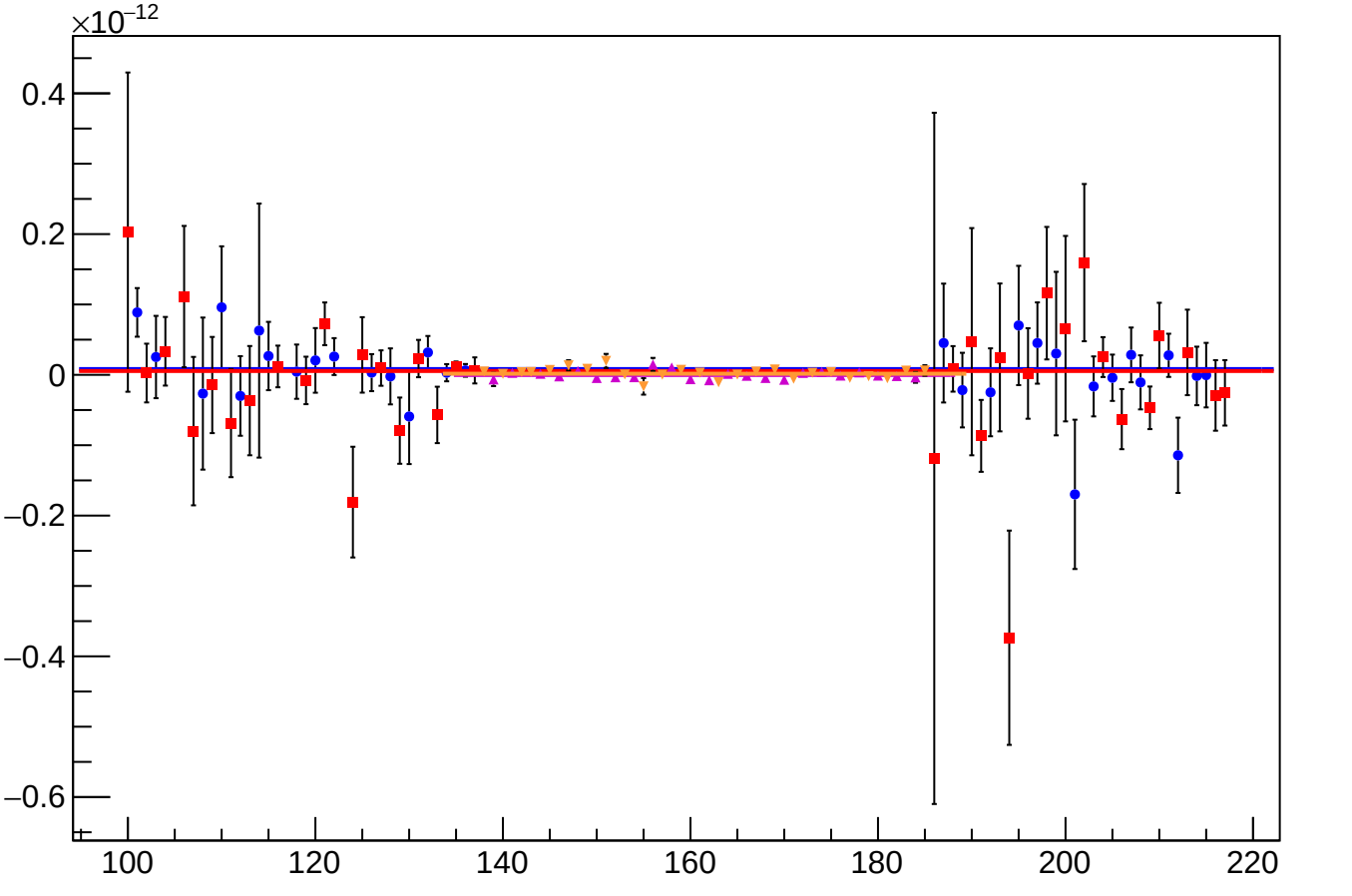
Right Out: 28.836+/-0.005 χ^2/NDF: 5330219.8/35

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 28.723+/-0.004 χ^2/NDF: 7054682.0/55

All: 28.874+/-0.003 χ^2/NDF: 14489092.7/114

- sign 29.030+/-0.004 χ^2/NDF: 7430763.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

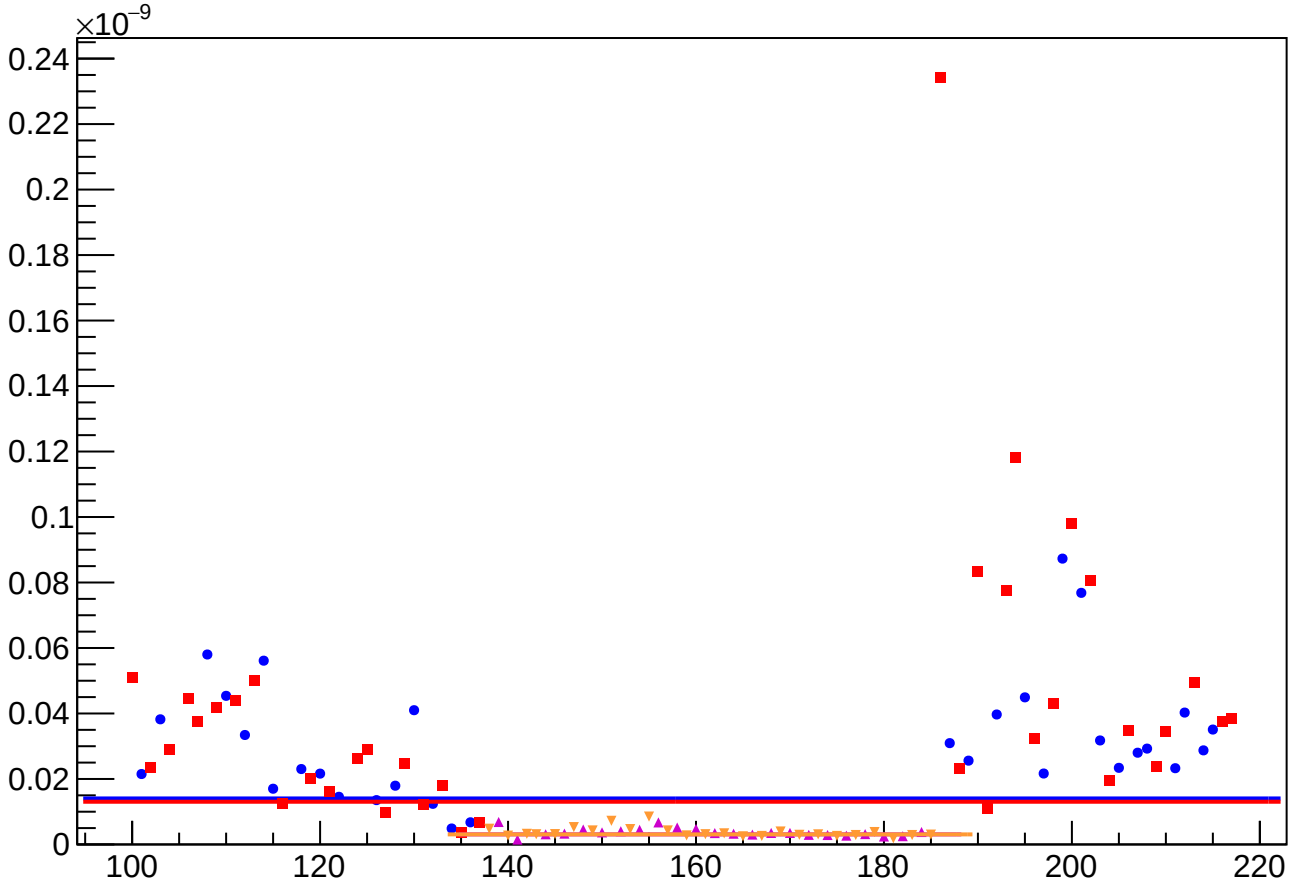
Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/35

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/55

All: 0.000+/-0.000 χ^2/NDF: 122.7/114

- sign -0.000+/-0.000 χ^2/NDF: 62.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9038438.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13164799.8/35

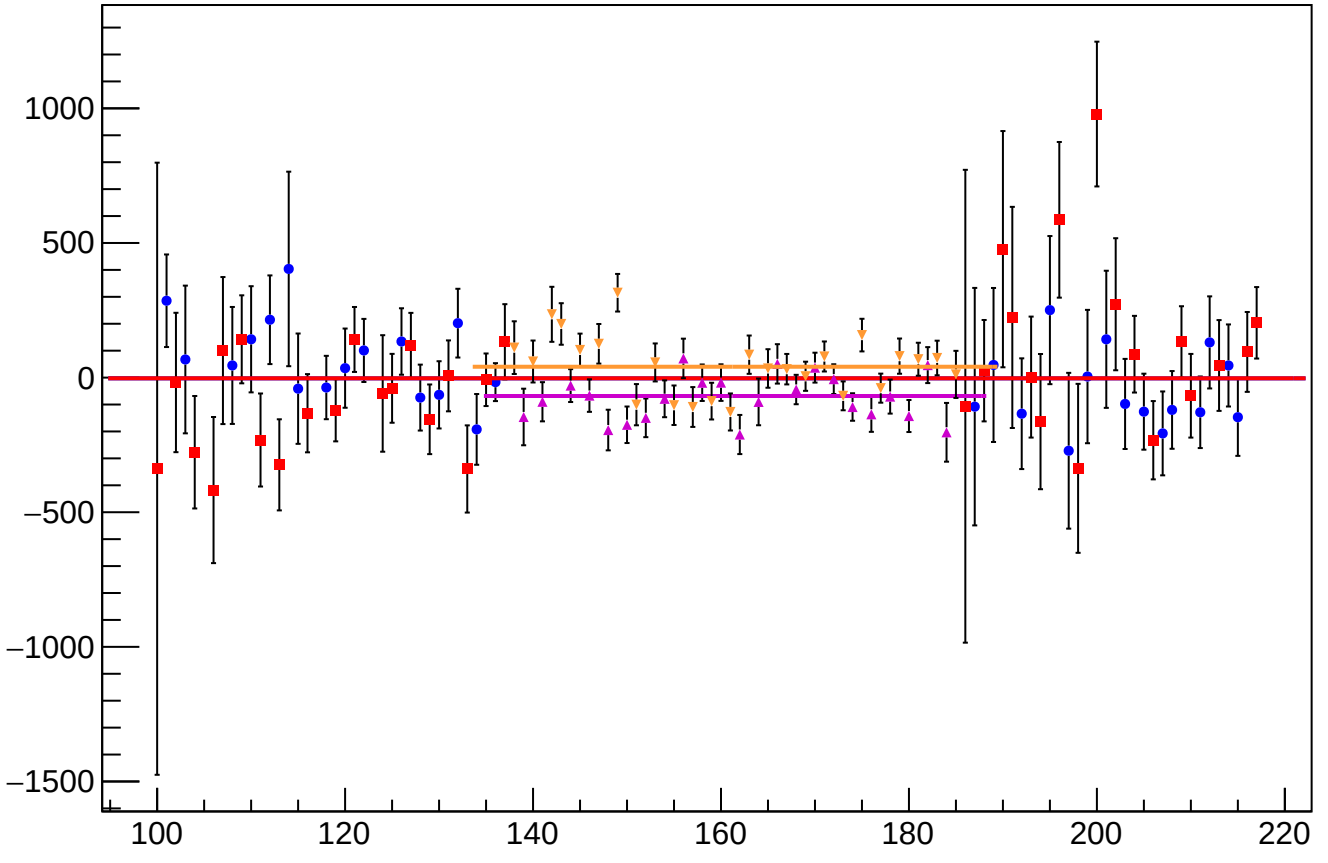
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19123034.6/55

All: 0.000+/-0.000 χ^2/NDF: 41175858.8/114

- sign 0.000+/-0.000 χ^2/NDF: 22052802.5/58

reg_asym_sam_3726_avg_mean vs Slug



Right In: -2.905+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.571+/-27.903 χ^2/NDF: 50.4/35

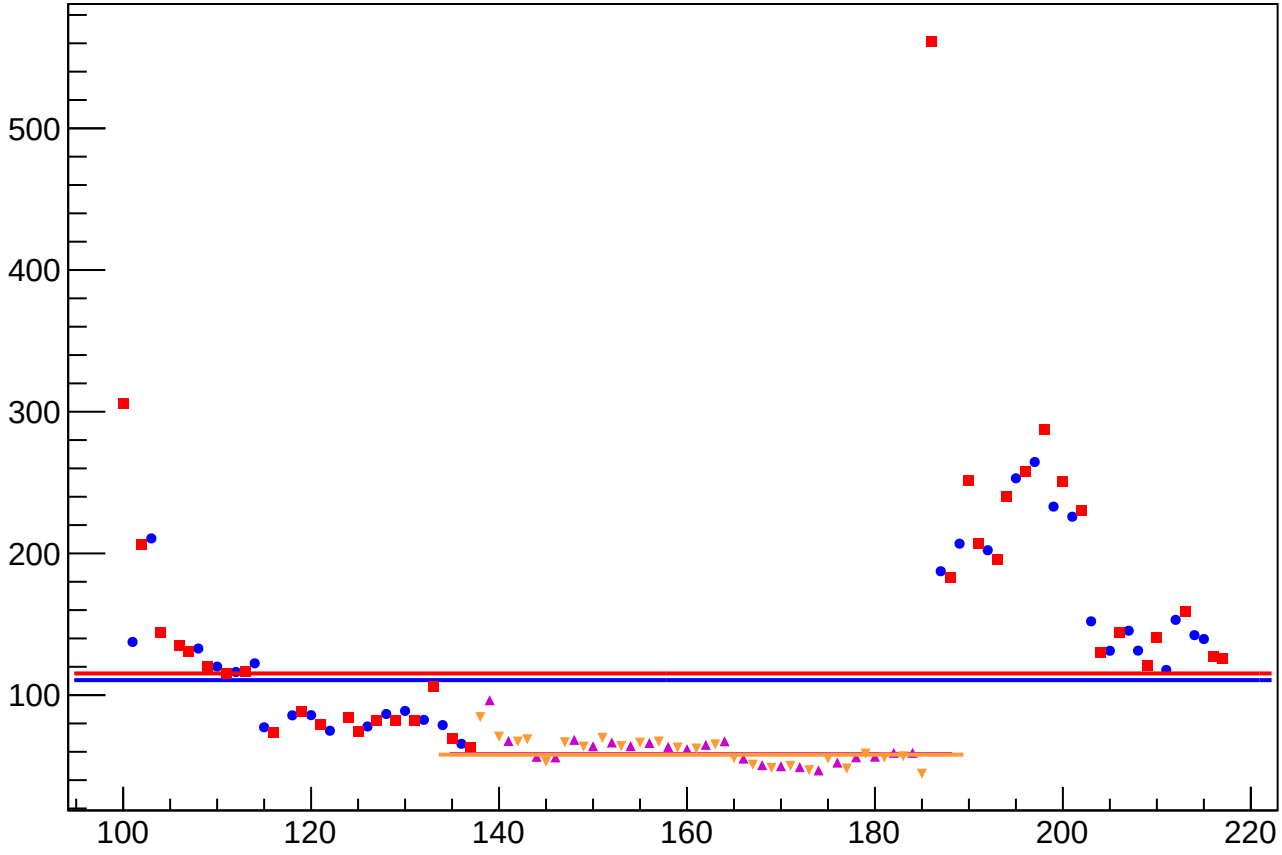
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 32.021+/-12.044 χ^2/NDF: 84.0/55

All: -10.315+/-8.645 χ^2/NDF: 196.0/114

- sign -55.318+/-12.417 χ^2/NDF: 86.6/58

reg_asym_sam_3726_avg_rms vs Slug



Right In: 110.579+/-0.019 χ^2/NDF: 5327874.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

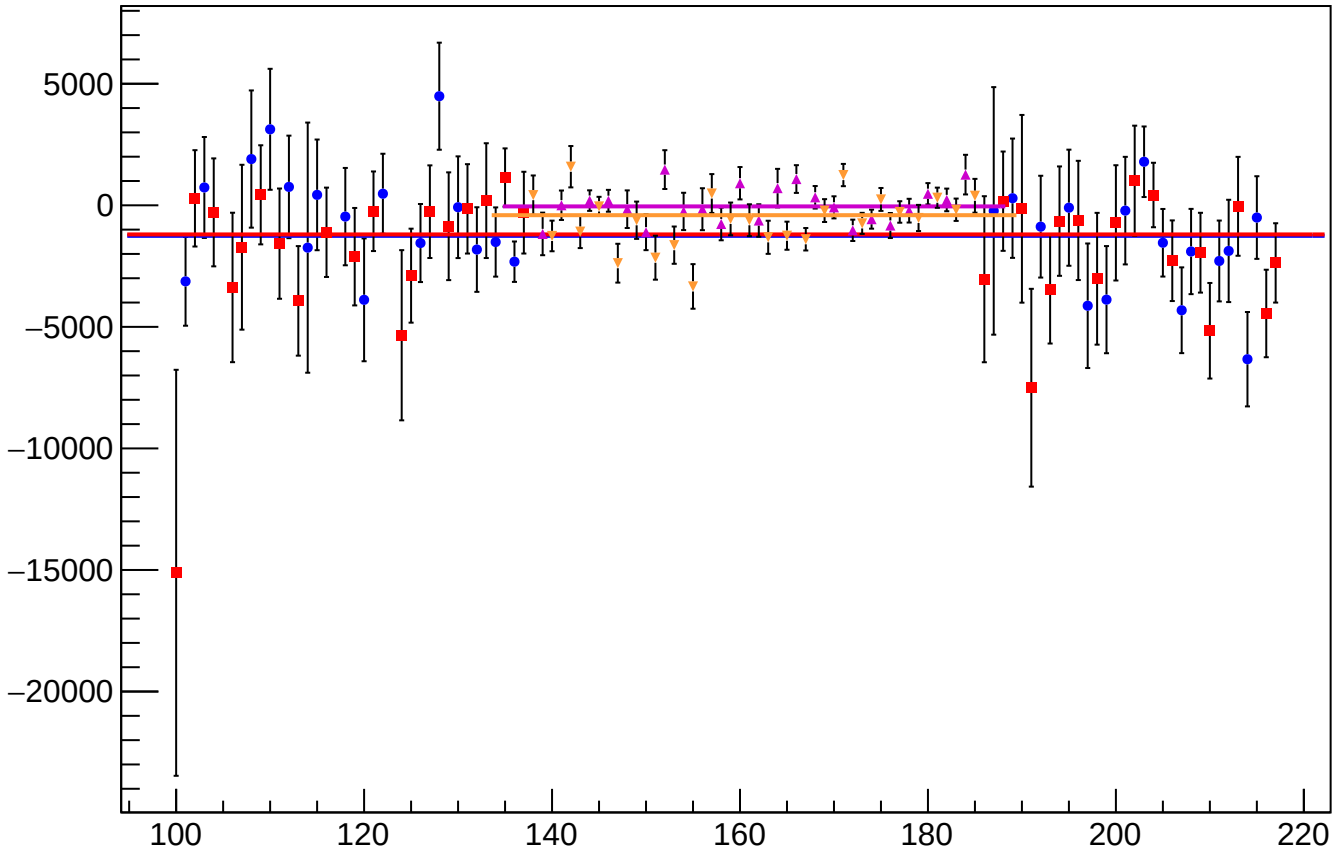
Right Out: 115.302+/-0.020 χ^2/NDF: 6358740.0/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.113+/-0.009 χ^2/NDF: 12059626.2/55

All: 68.866+/-0.006 χ^2/NDF: 25840583.9/114

- sign 69.666+/-0.009 χ^2/NDF: 13764833.3/58



Right In: -1255.552+/-330.533 χ^2/NDF: 37.8/30

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1197.724+/-341.393 χ^2/NDF: 30.0/35

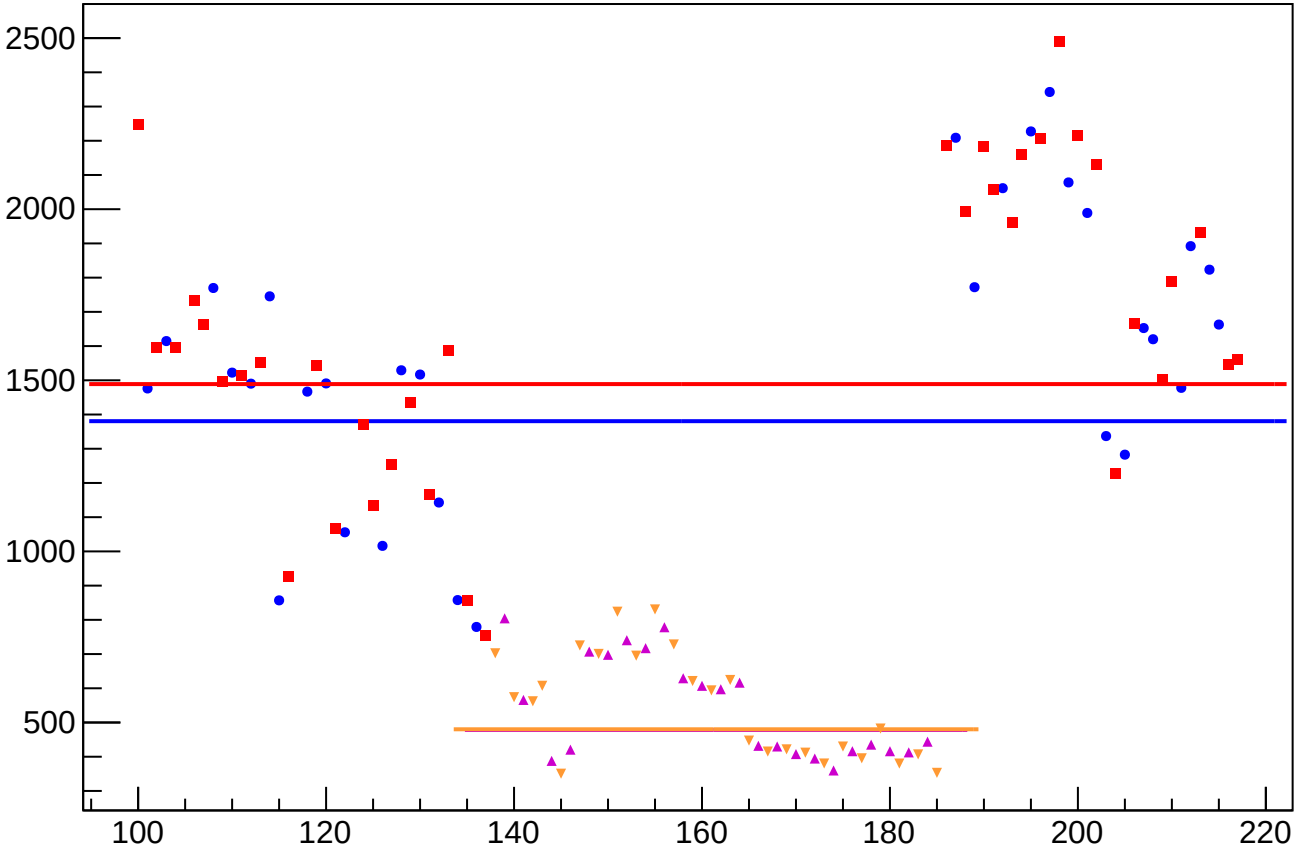
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -495.849+/-107.320 χ^2/NDF: 106.9/55

All: -333.329+/-76.691 χ^2/NDF: 182.8/114

- sign -163.727+/-109.633 χ^2/NDF: 71.3/58

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1380.581+/-0.234 χ^2/NDF: 3337809.7/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1488.939+/-0.241 χ^2/NDF: 3086703.7/35

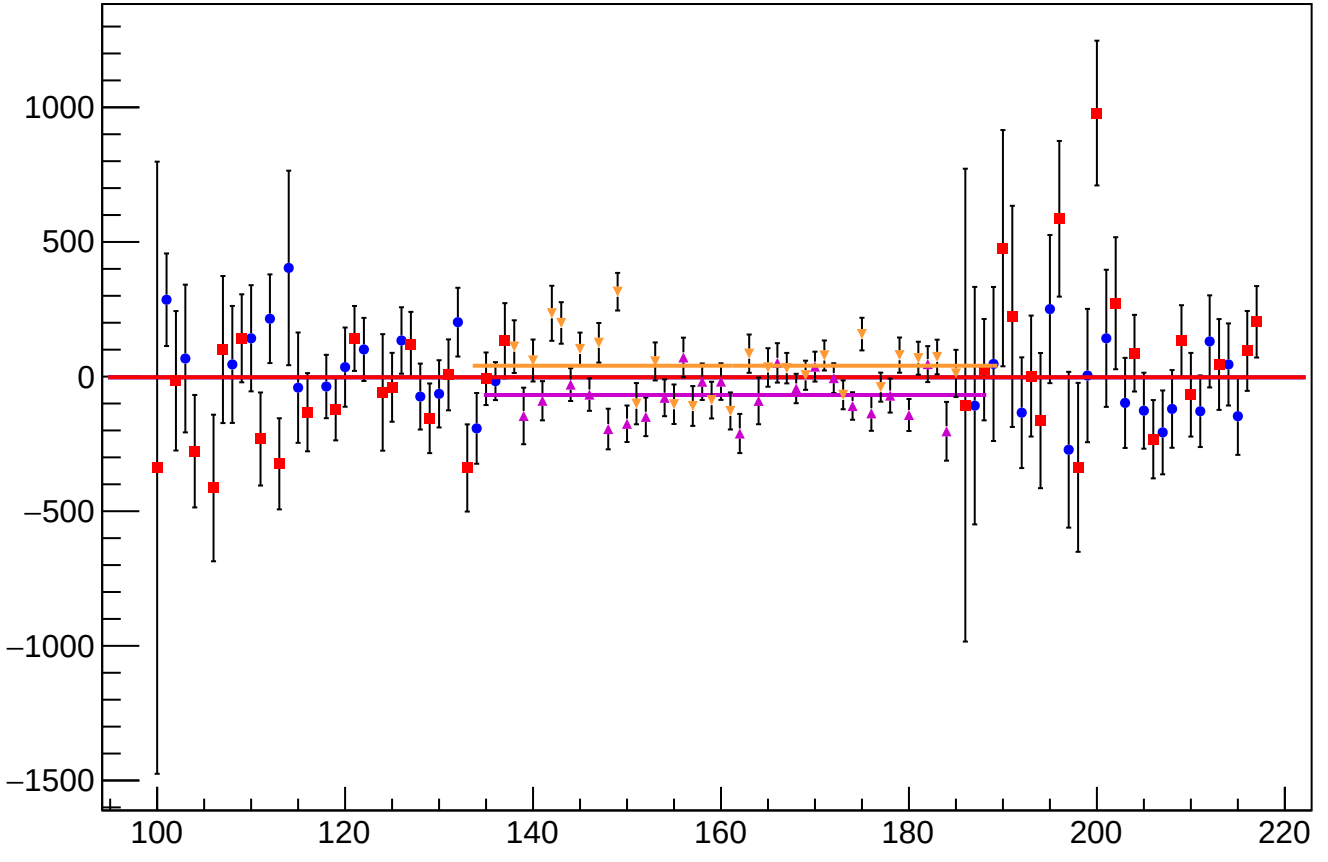
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 575.086+/-0.076 χ^2/NDF: 19197272.7/55

All: 578.631+/-0.054 χ^2/NDF: 40230405.4/11

- sign 582.331+/-0.078 χ^2/NDF: 21028672.4/58

cor_asym_sam_3726_avg_mean vs Slug



Right In: -2.913+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.475+/-27.904 χ^2/NDF: 50.3/35

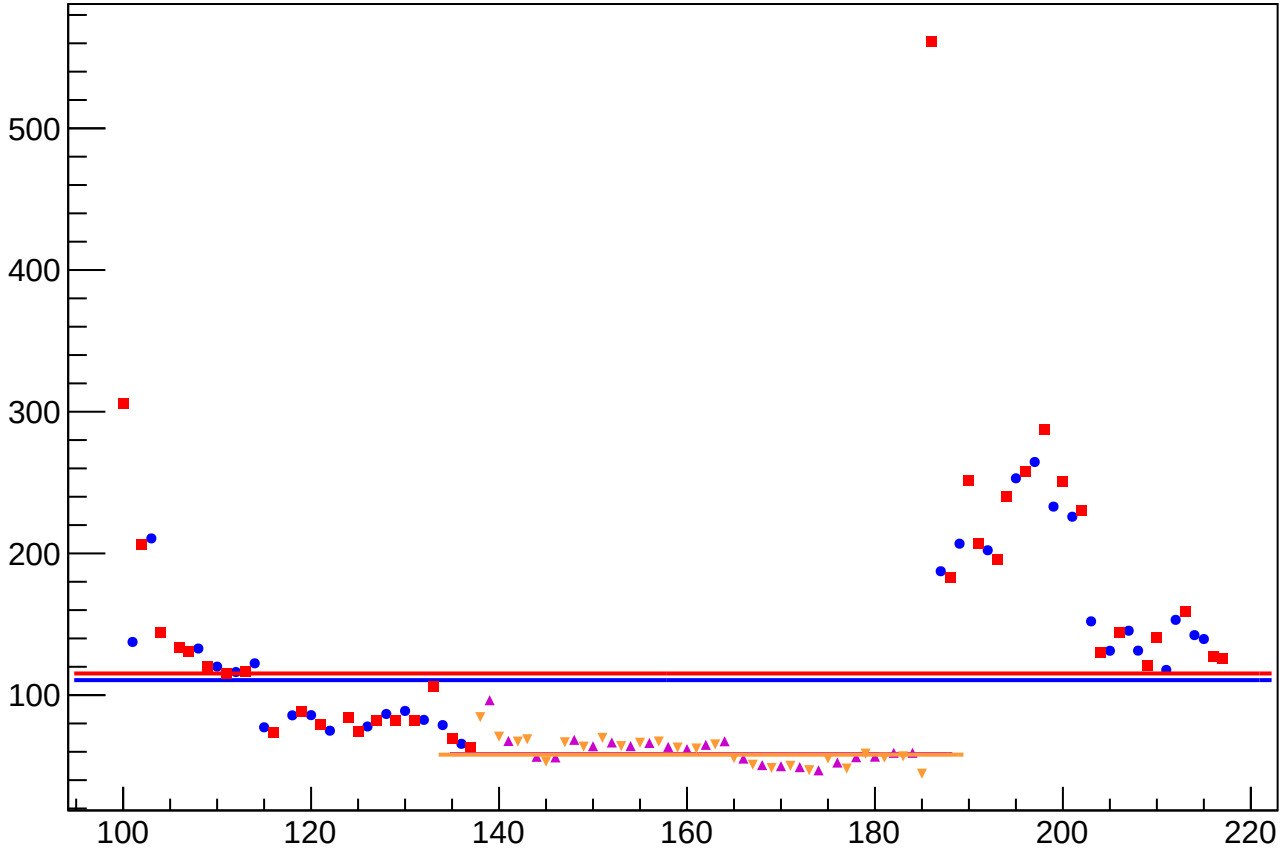
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 32.021+/-12.044 χ^2/NDF: 84.0/55

All: -10.305+/-8.645 χ^2/NDF: 196.0/114

- sign -55.299+/-12.418 χ^2/NDF: 86.5/58

cor_asym_sam_3726_avg_rms vs Slug



Right In: 110.579+/-0.019 χ^2/NDF: 5327877.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

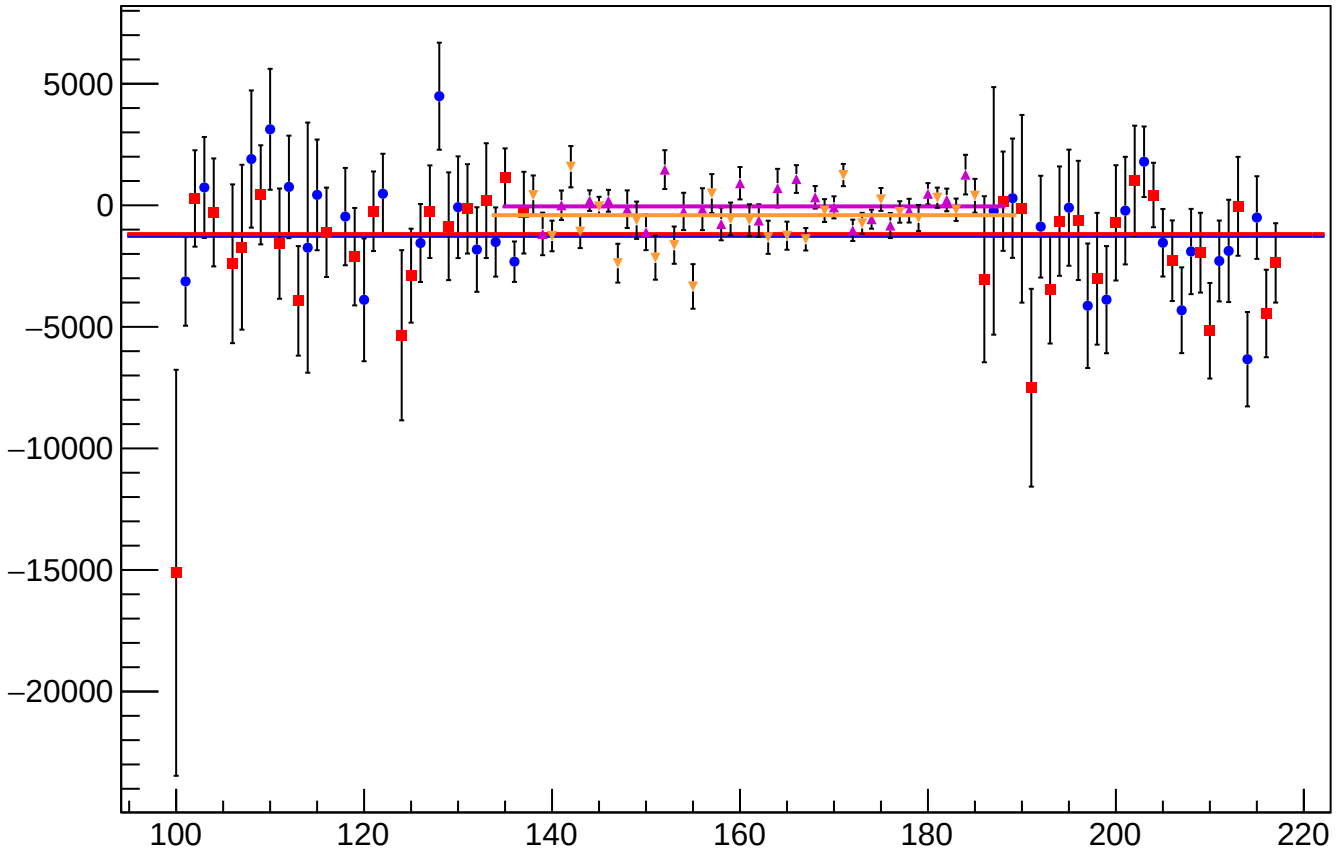
Right Out: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.113+/-0.009 χ^2/NDF: 12059628.5/55

All: 68.864+/-0.006 χ^2/NDF: 25833204.0/114

- sign 69.661+/-0.009 χ^2/NDF: 13757555.5/58



Right In: -1255.537+/-330.534 χ^2/NDF: 37.8/30

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1184.241+/-341.640 χ^2/NDF: 29.6/35

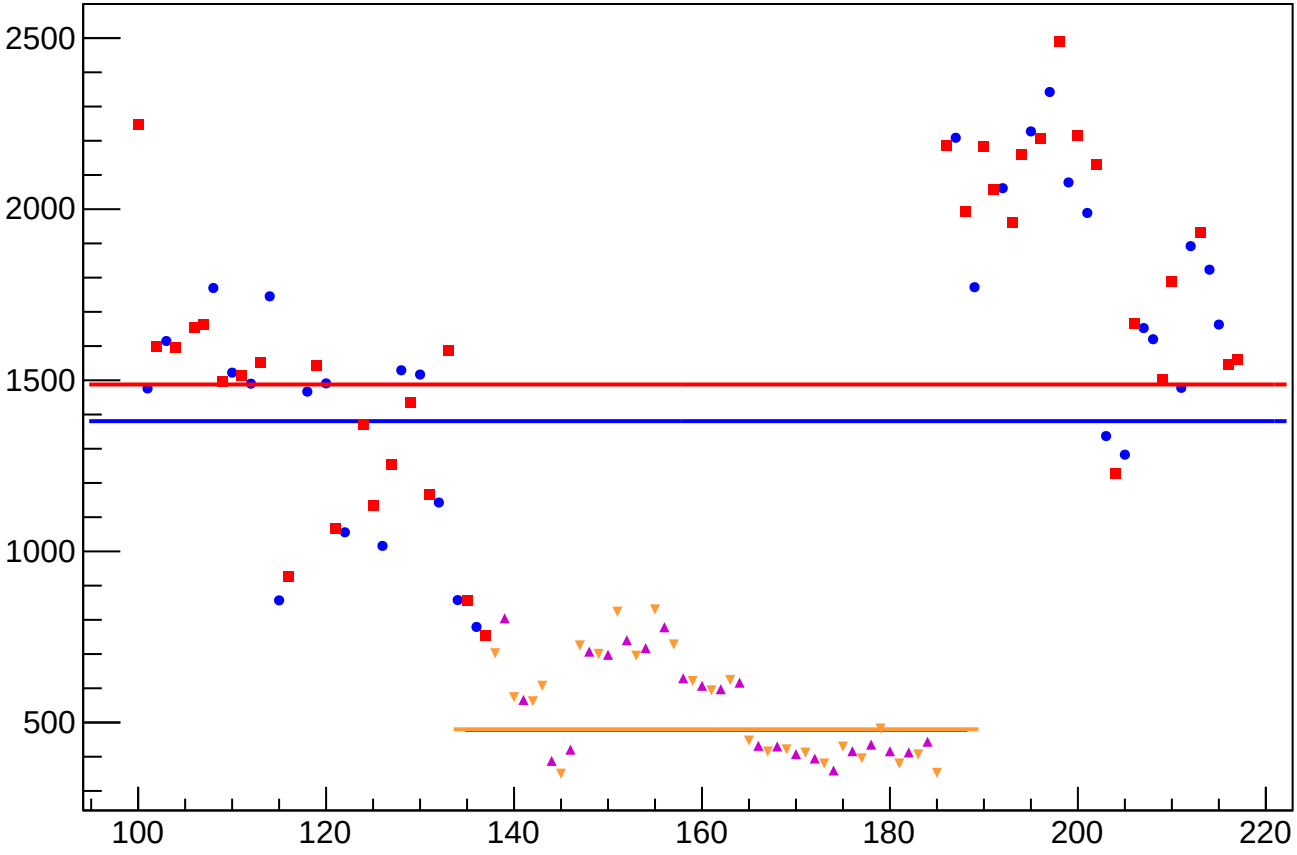
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -495.846+/-107.320 χ^2/NDF: 106.9/55

All: -332.584+/-76.694 χ^2/NDF: 182.3/114

- sign -162.183+/-109.642 χ^2/NDF: 70.7/58

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1380.583+/-0.234 χ^2/NDF: 3337836.2/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

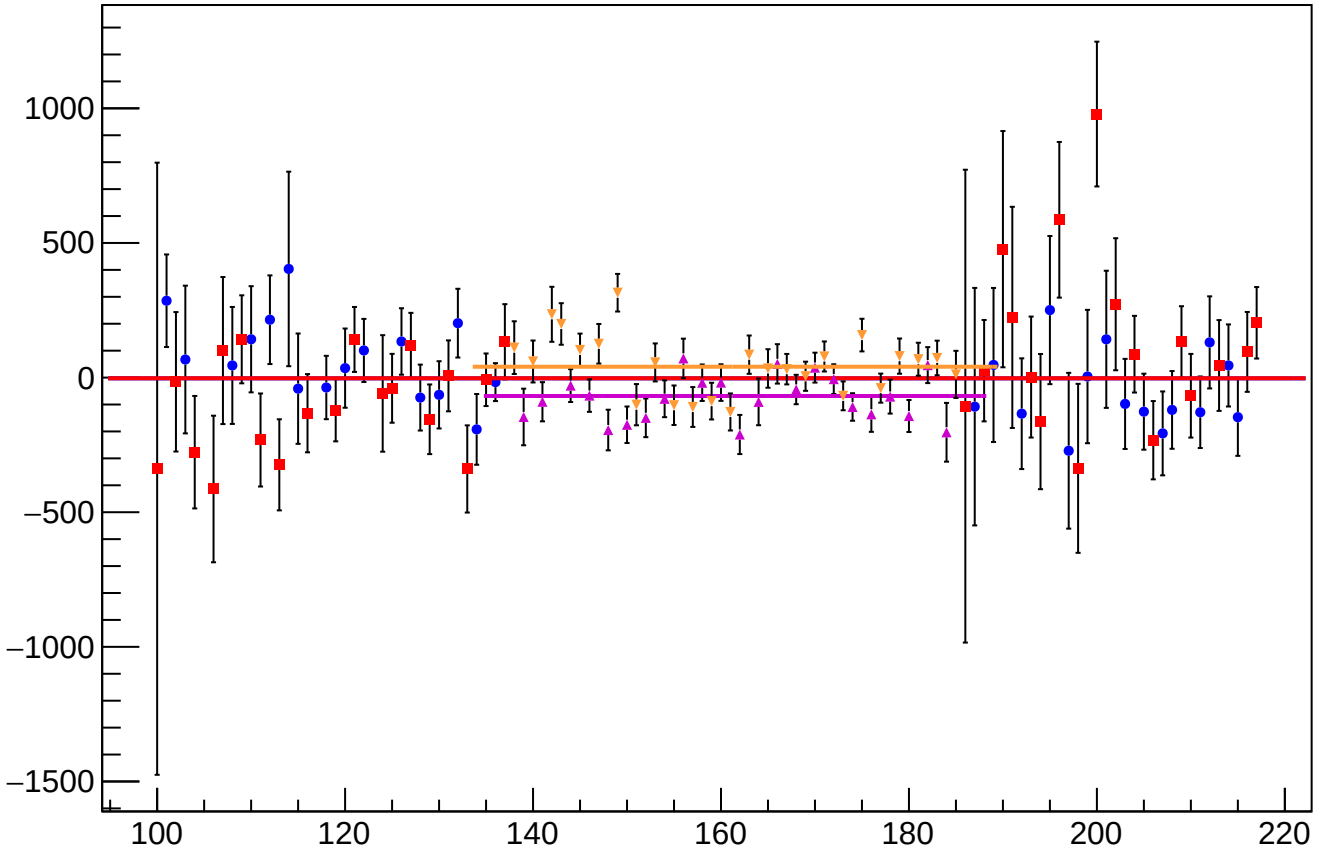
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 575.086+/-0.076 χ^2/NDF: 19197302.1/55

All: 578.506+/-0.054 χ^2/NDF: 40166058.1/11

- sign 582.076+/-0.078 χ^2/NDF: 20964604.8/58

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -2.913+/-27.457 χ^2/NDF: 22.6/30

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -2.475+/-27.904 χ^2/NDF: 50.3/35

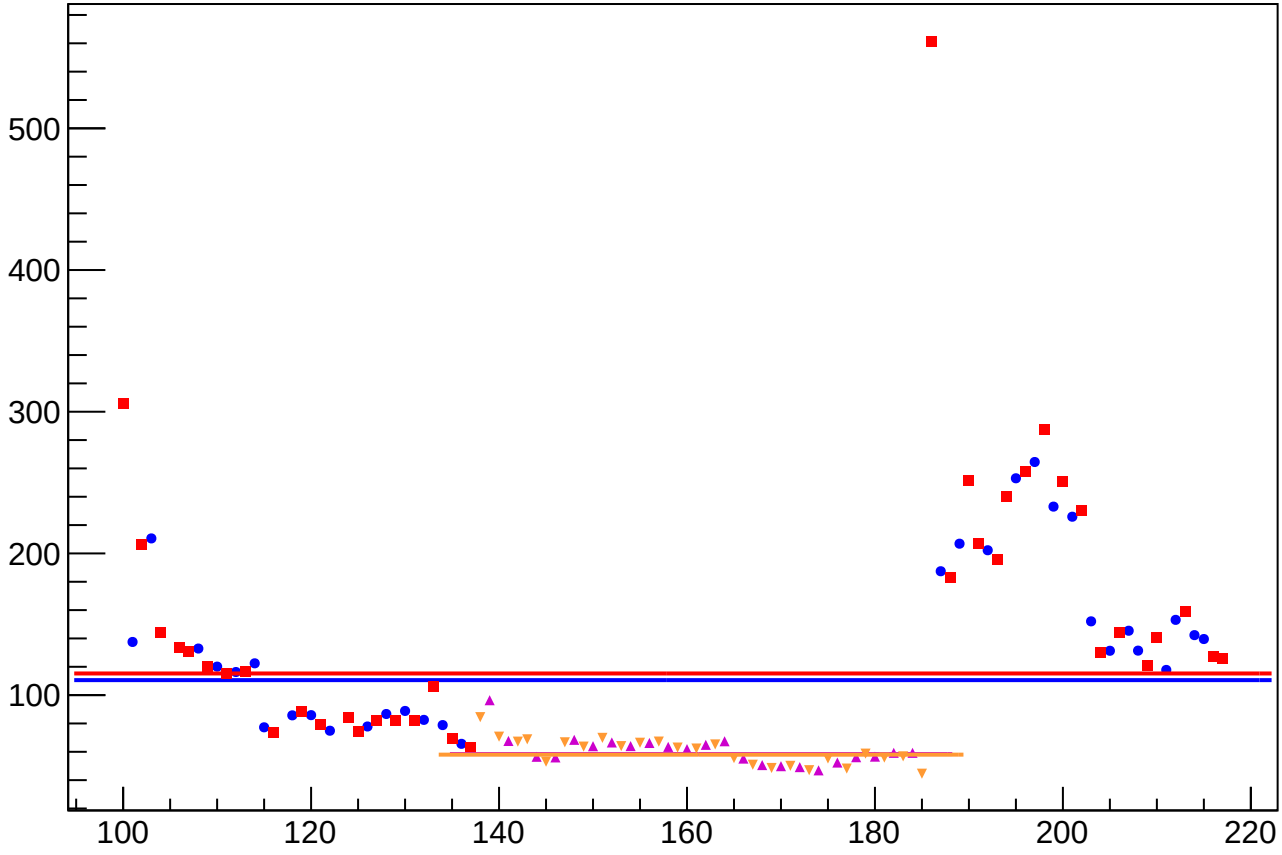
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 32.021+/-12.044 χ^2/NDF: 84.0/55

All: -10.305+/-8.645 χ^2/NDF: 196.0/114

- sign -55.299+/-12.418 χ^2/NDF: 86.5/58

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 110.579+/-0.019 χ^2/NDF: 5327877.7/30

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

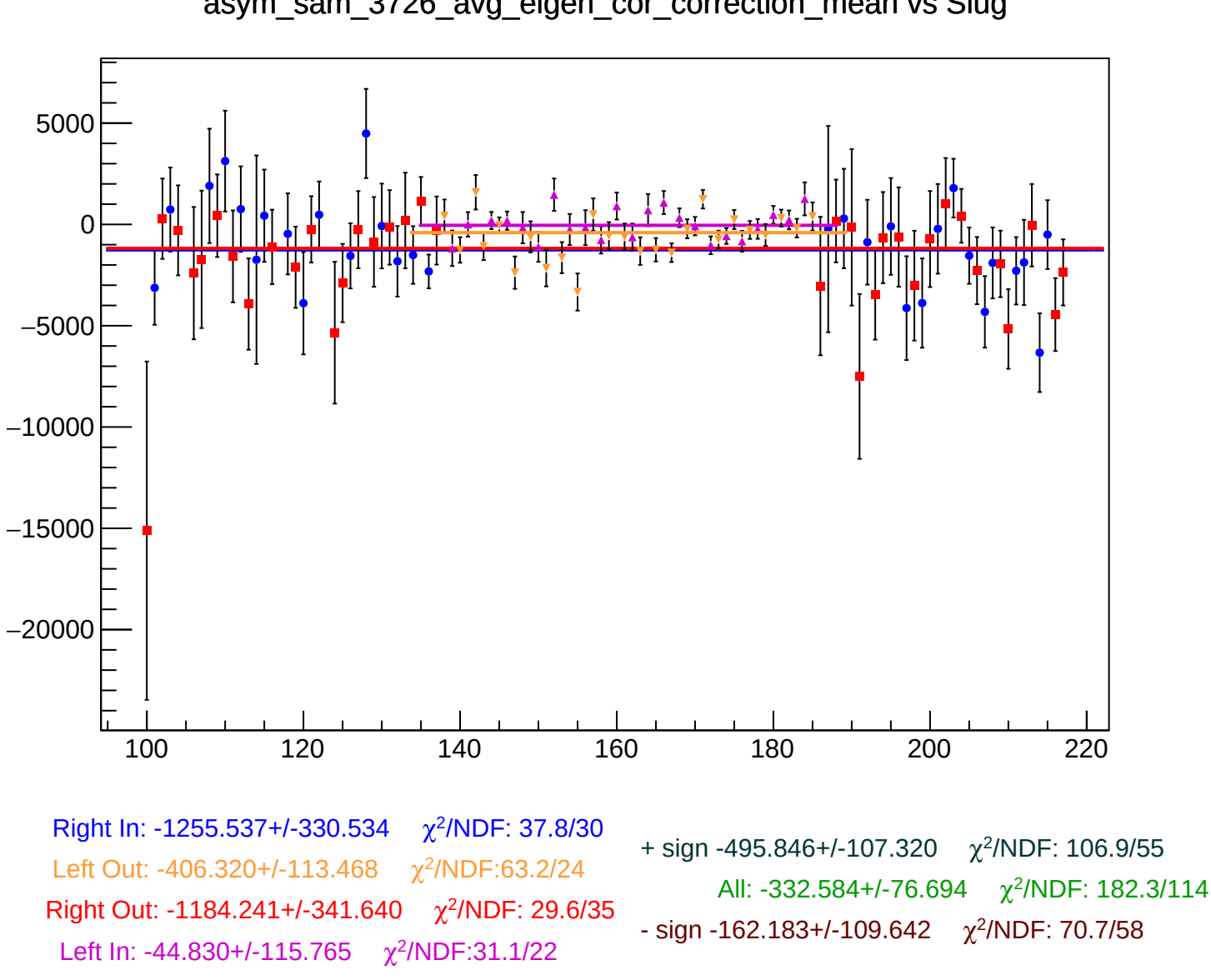
Right Out: 115.281+/-0.020 χ^2/NDF: 6356990.2/35

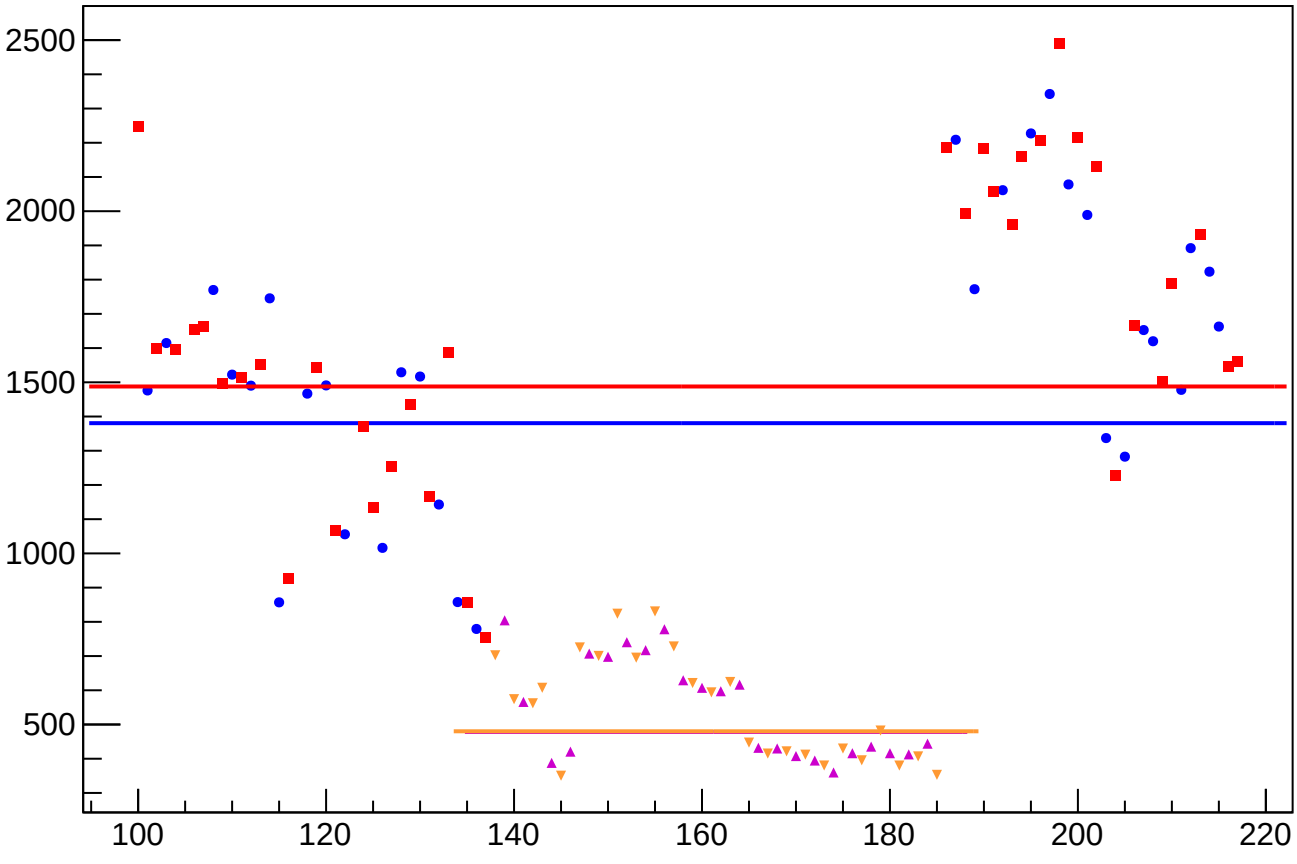
Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 68.113+/-0.009 χ^2/NDF: 12059628.5/55

All: 68.864+/-0.006 χ^2/NDF: 25833204.0/114

- sign 69.661+/-0.009 χ^2/NDF: 13757555.5/58


asym_sam_3726_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -1255.537+/-330.534 χ²/NDF: 37.8/30
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: -1184.241+/-341.640 χ²/NDF: 29.6/35
Left In: -44.830+/-115.765 χ²/NDF:31.1/22
+ sign -495.846+/-107.320 χ²/NDF: 106.9/55
All: -332.584+/-76.694 χ²/NDF: 182.3/114
- sign -162.183+/-109.642 χ²/NDF: 70.7/58



Right In: 1380.583+/-0.234 χ^2/NDF: 3337836.2/30

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1487.771+/-0.242 χ^2/NDF: 3079342.3/35

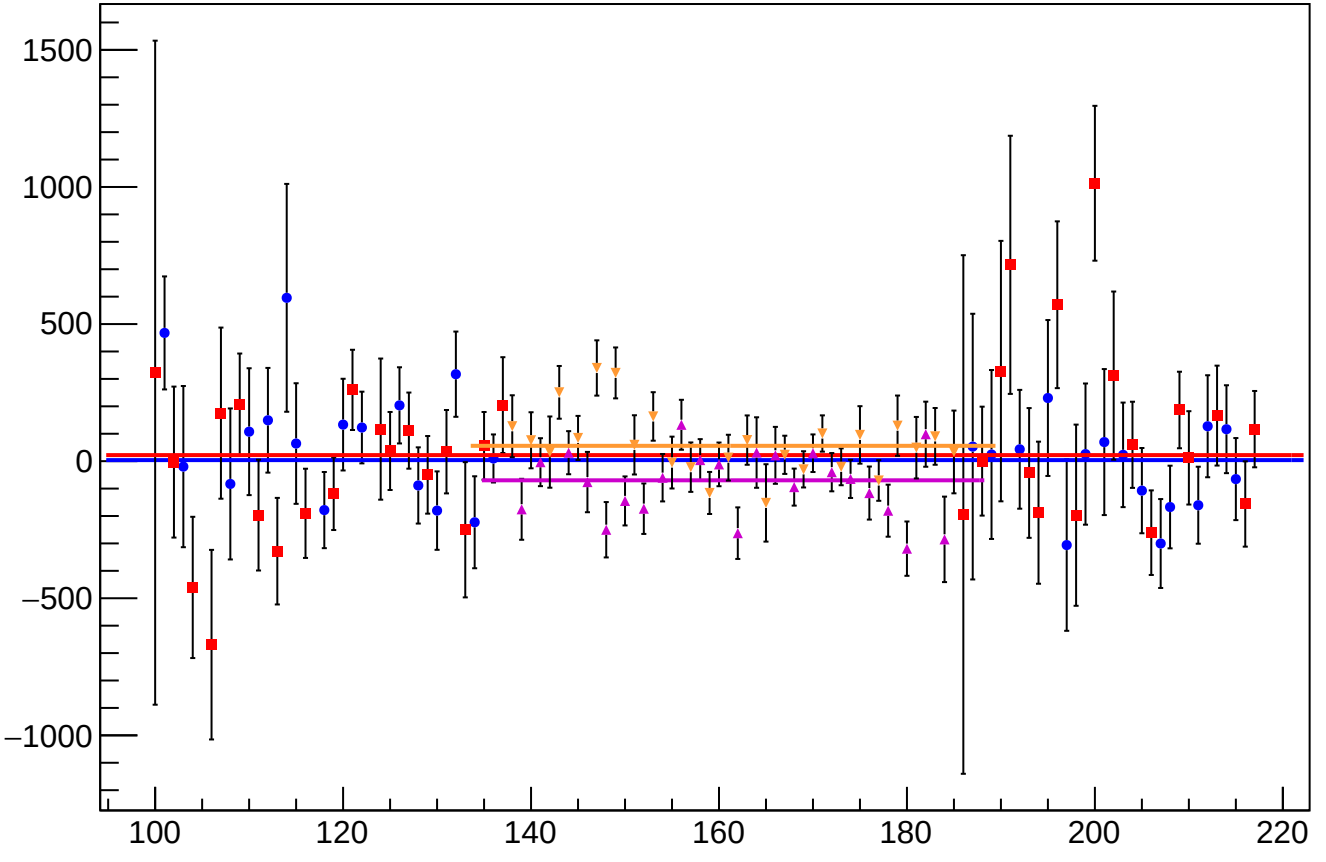
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 575.086+/-0.076 χ^2/NDF: 19197302.1/55

All: 578.506+/-0.054 χ^2/NDF: 40166058.1/11

- sign 582.076+/-0.078 χ^2/NDF: 20964604.8/58

dit_asym_sam_3726_avg_mean vs Slug



Right In: 3.822+/-31.179 χ^2/NDF: 30.9/30

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 22.077+/-31.688 χ^2/NDF: 49.4/35

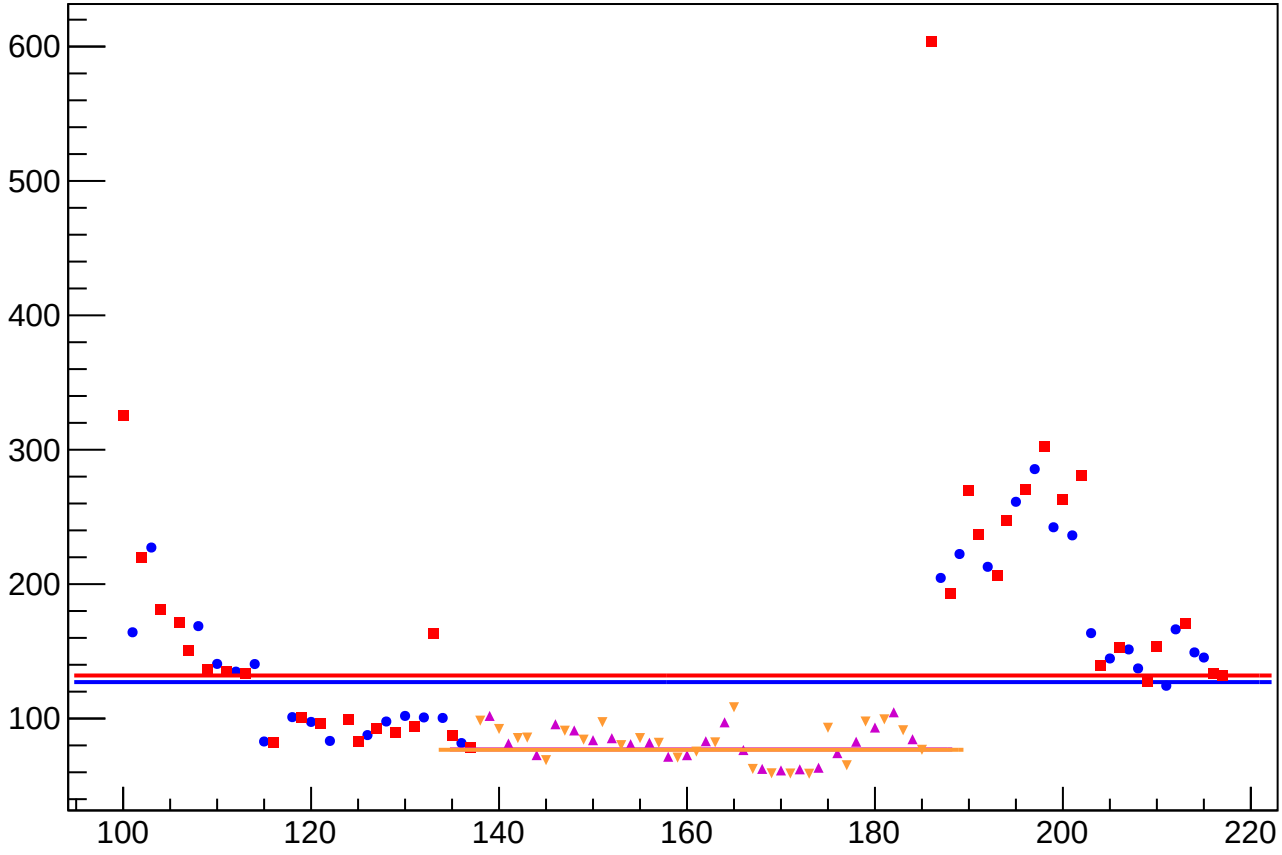
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 42.973+/-15.556 χ^2/NDF: 71.3/55

All: -0.568+/-11.145 χ^2/NDF: 177.6/114

- sign -46.484+/-15.974 χ^2/NDF: 90.2/58

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.104+/-0.022 χ^2/NDF: 4310470.4/30

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

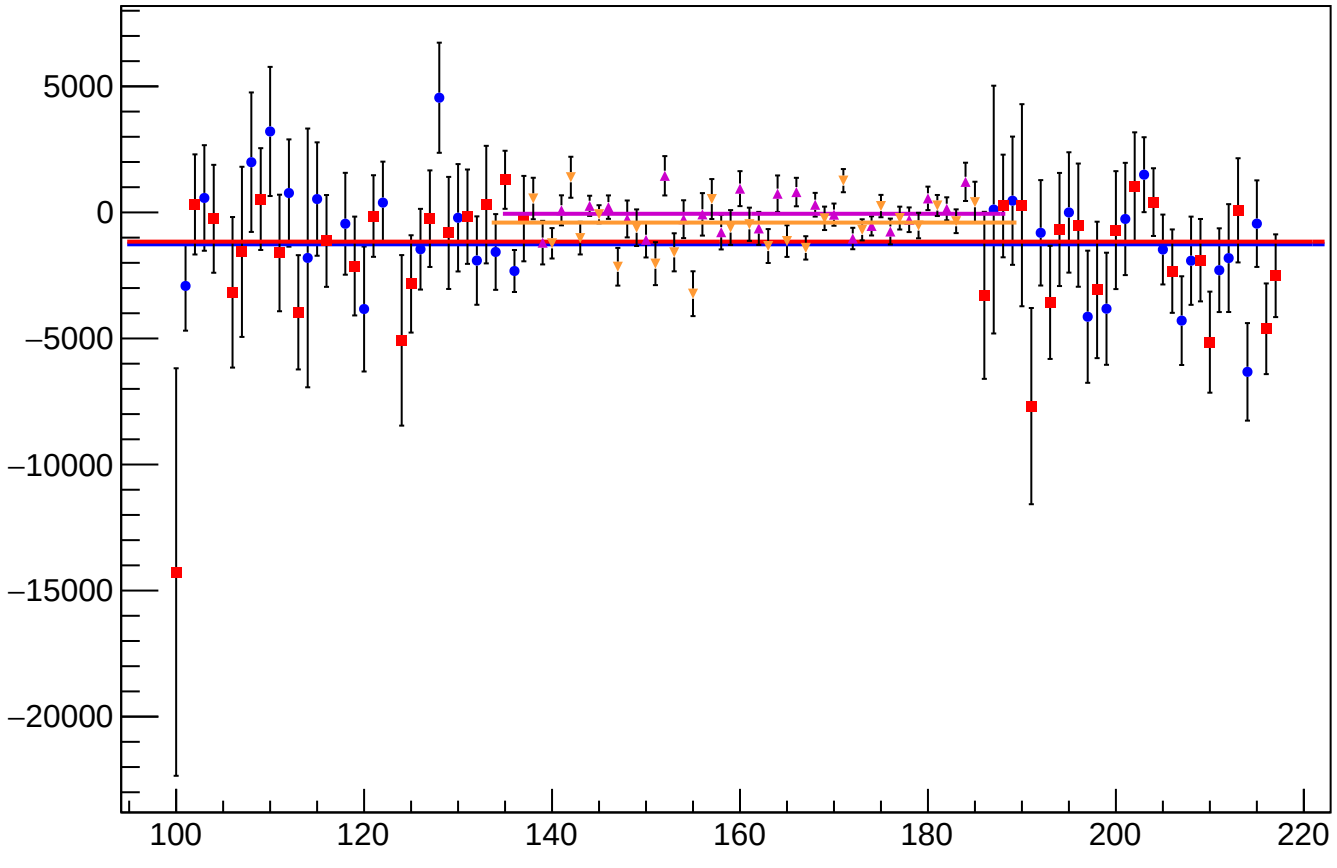
Right Out: 132.020+/-0.022 χ^2/NDF: 5560847.1/35

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 89.279+/-0.011 χ^2/NDF: 9464019.3/55

All: 90.115+/-0.008 χ^2/NDF: 20389899.1/114

- sign 90.996+/-0.011 χ^2/NDF: 10914025.4/58



Right In: -1264.890+/-332.191 χ^2/NDF: 36.7/30

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1159.046+/-339.483 χ^2/NDF: 32.0/35

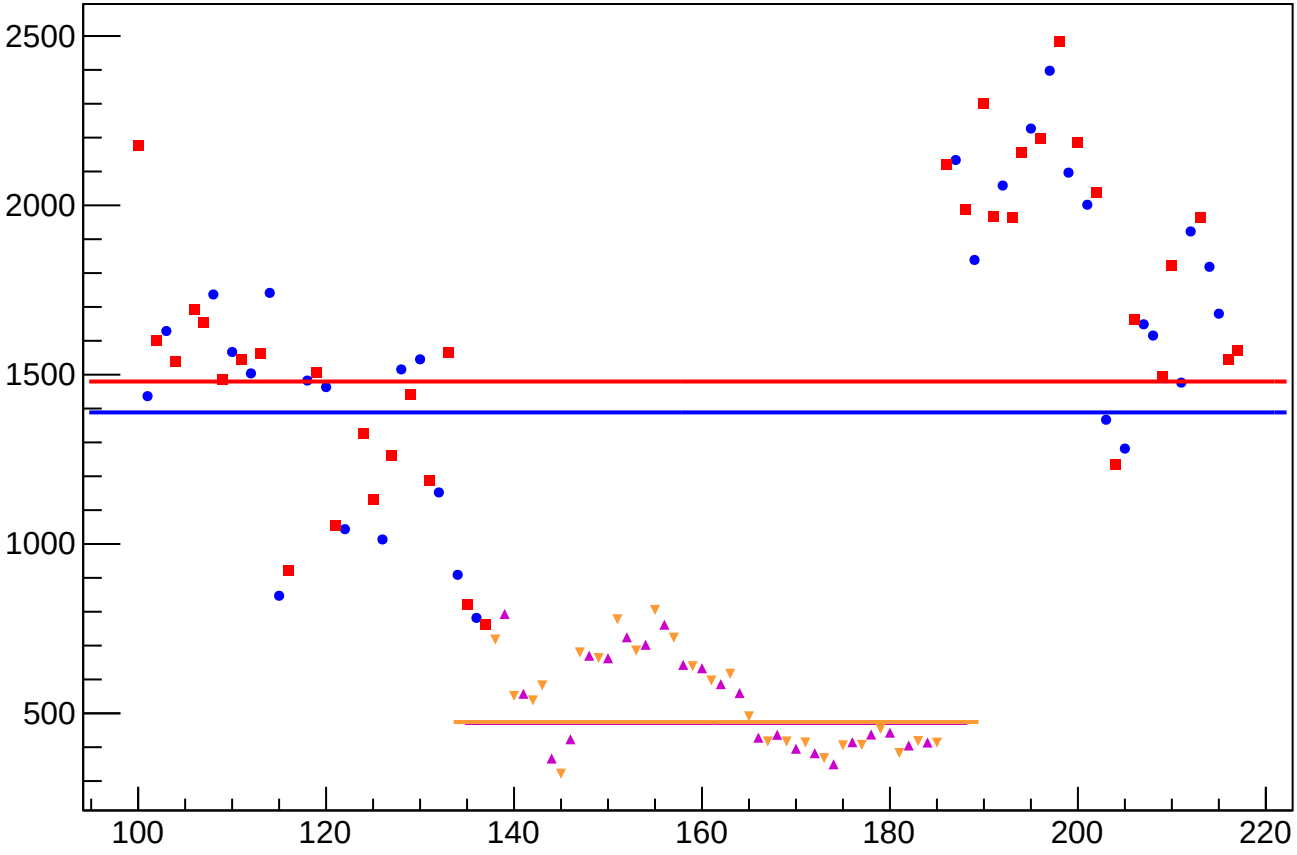
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -490.991+/-105.937 χ^2/NDF: 103.5/55

All: -332.288+/-75.717 χ^2/NDF: 180.3/114

- sign -166.550+/-108.260 χ^2/NDF: 72.2/58

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1388.561+/-0.235 χ^2/NDF: 3313638.6/30

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

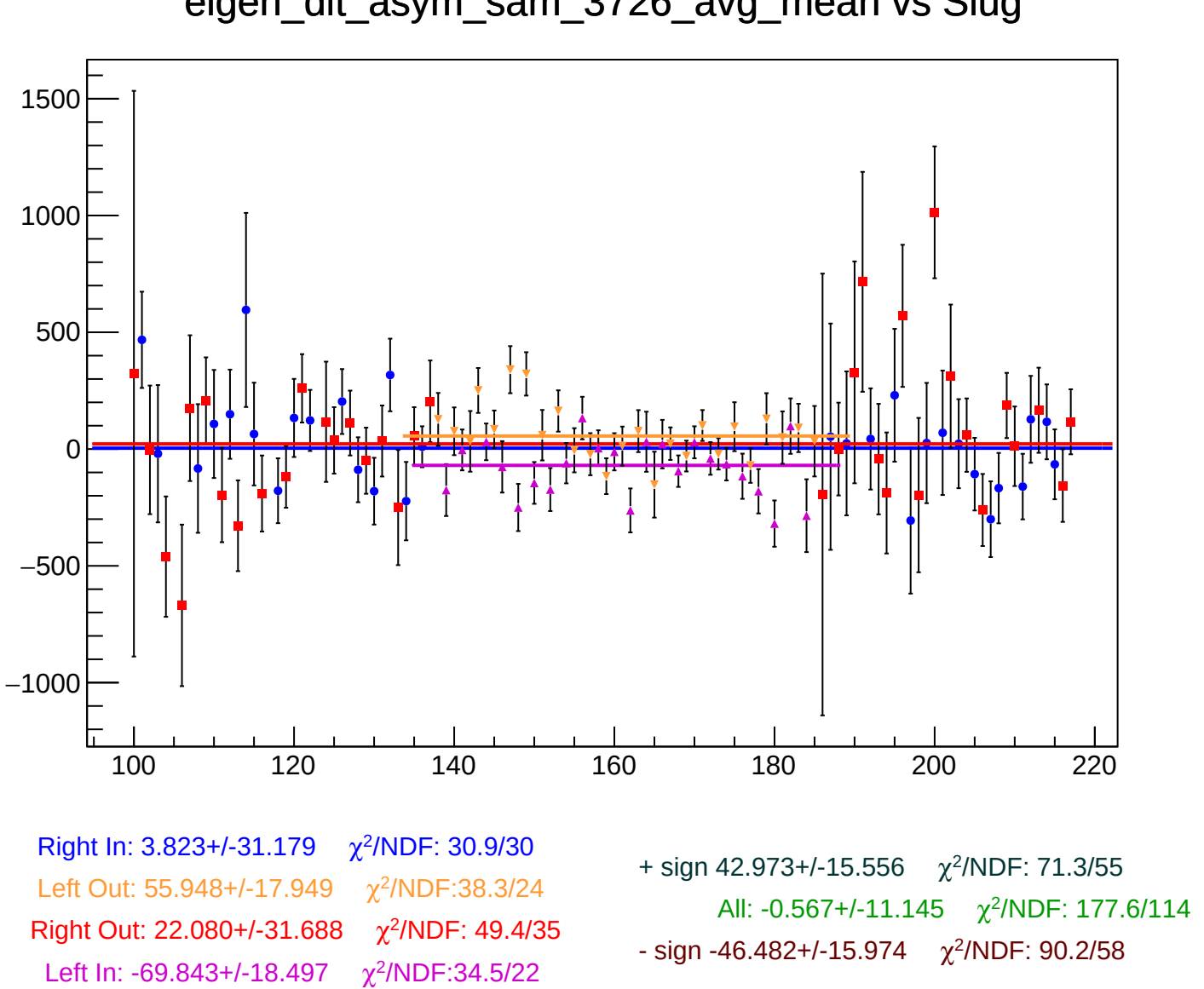
Right Out: 1479.773+/-0.240 χ^2/NDF: 3149289.1/35

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

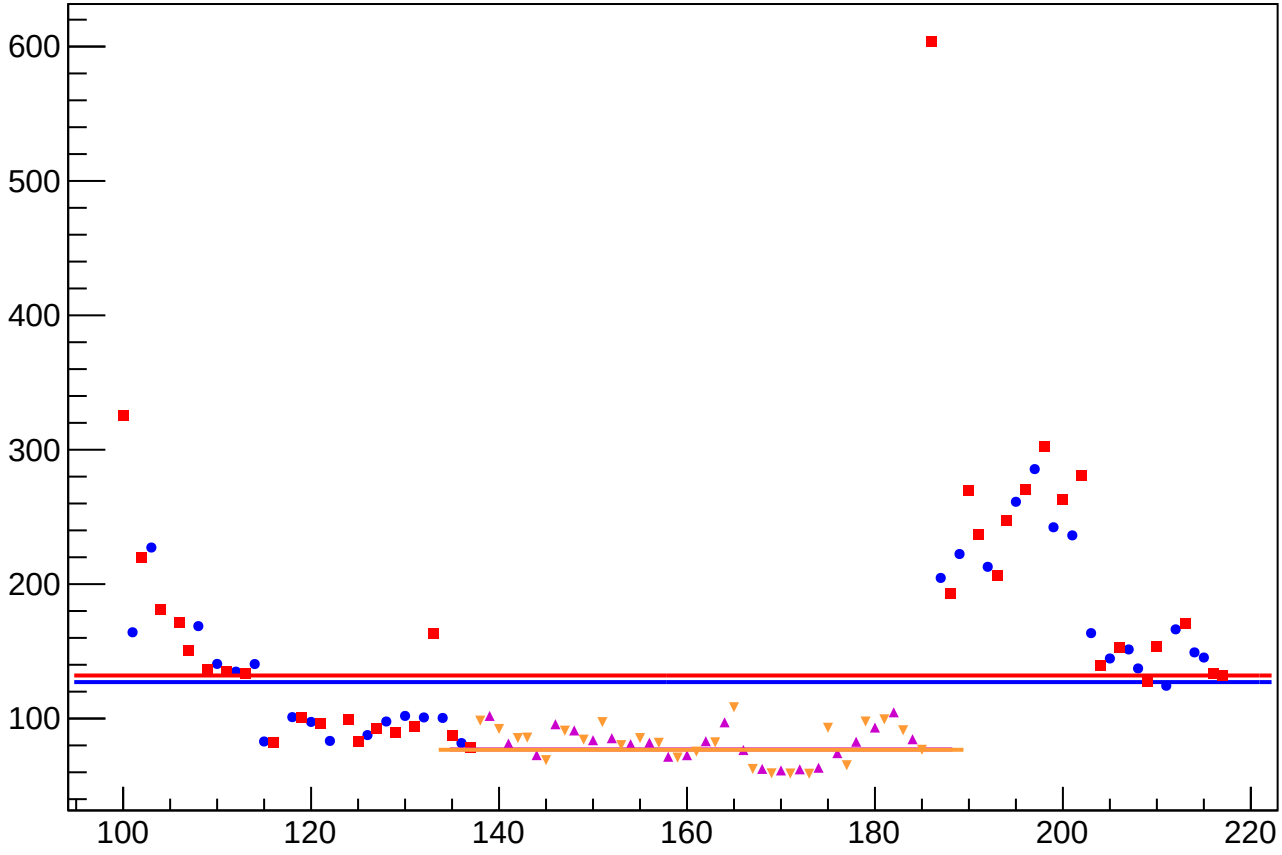
+ sign 567.275+/-0.075 χ^2/NDF: 19461539.1/55

All: 570.563+/-0.054 χ^2/NDF: 40673514.9/11

- sign 573.996+/-0.077 χ^2/NDF: 21208037.8/58


eigen_dit_asym_sam_3726_avg_mean vs Slug
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
220
Right In: 3.823+/-31.179 χ²/NDF: 30.9/30
Left Out: 55.948+/-17.949 χ²/NDF:38.3/24
Right Out: 22.080+/-31.688 χ²/NDF: 49.4/35
Left In: -69.843+/-18.497 χ²/NDF:34.5/22
+ sign 42.973+/-15.556 χ²/NDF: 71.3/55
All: -0.567+/-11.145 χ²/NDF: 177.6/114
- sign -46.482+/-15.974 χ²/NDF: 90.2/58

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.104+/-0.022 χ^2/NDF: 4310483.4/30

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

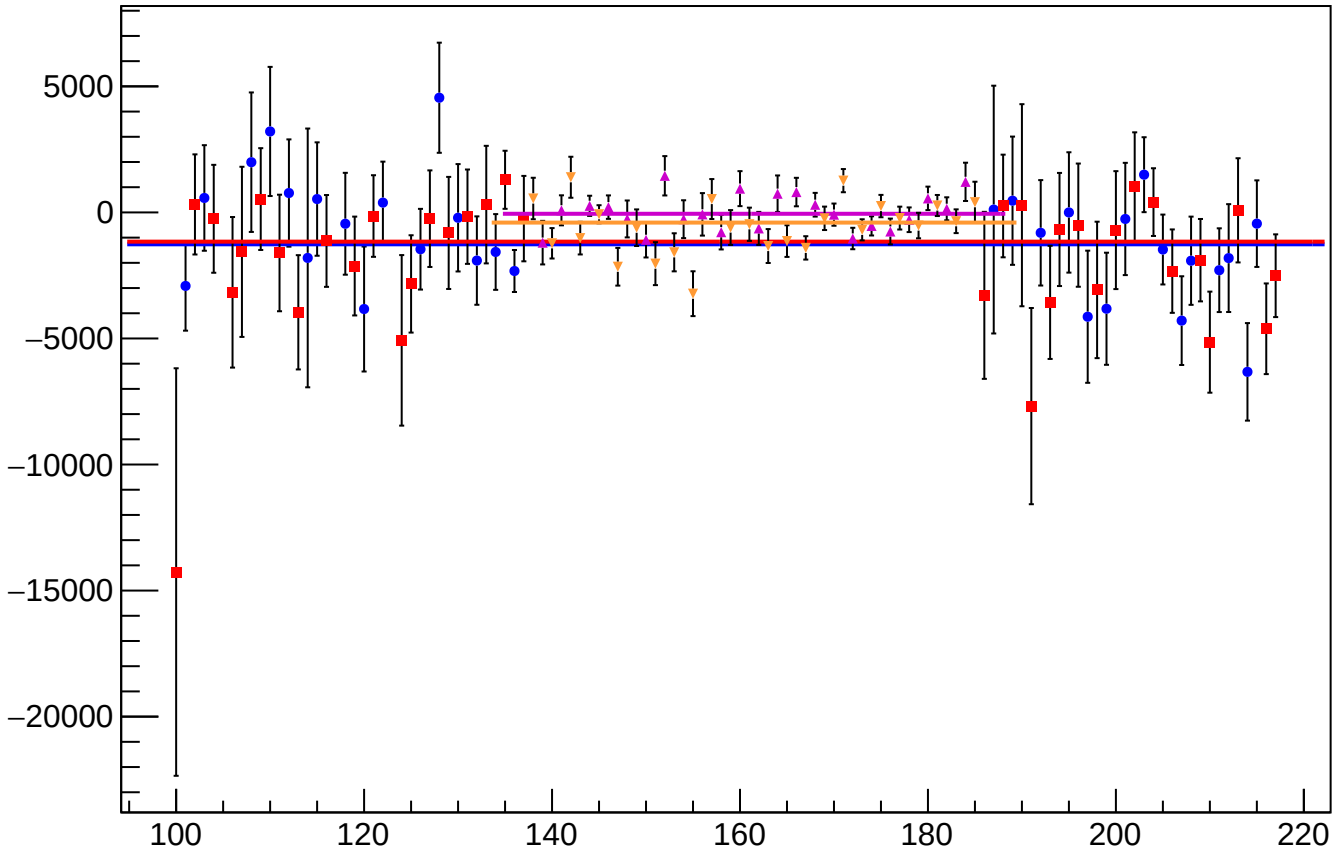
Right Out: 132.020+/-0.022 χ^2/NDF: 5560857.9/35

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 89.279+/-0.011 χ^2/NDF: 9463960.3/55

All: 90.115+/-0.008 χ^2/NDF: 20389774.4/114

- sign 90.996+/-0.011 χ^2/NDF: 10913959.1/58



Right In: -1264.887+/-332.190 χ^2/NDF: 36.7/30

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

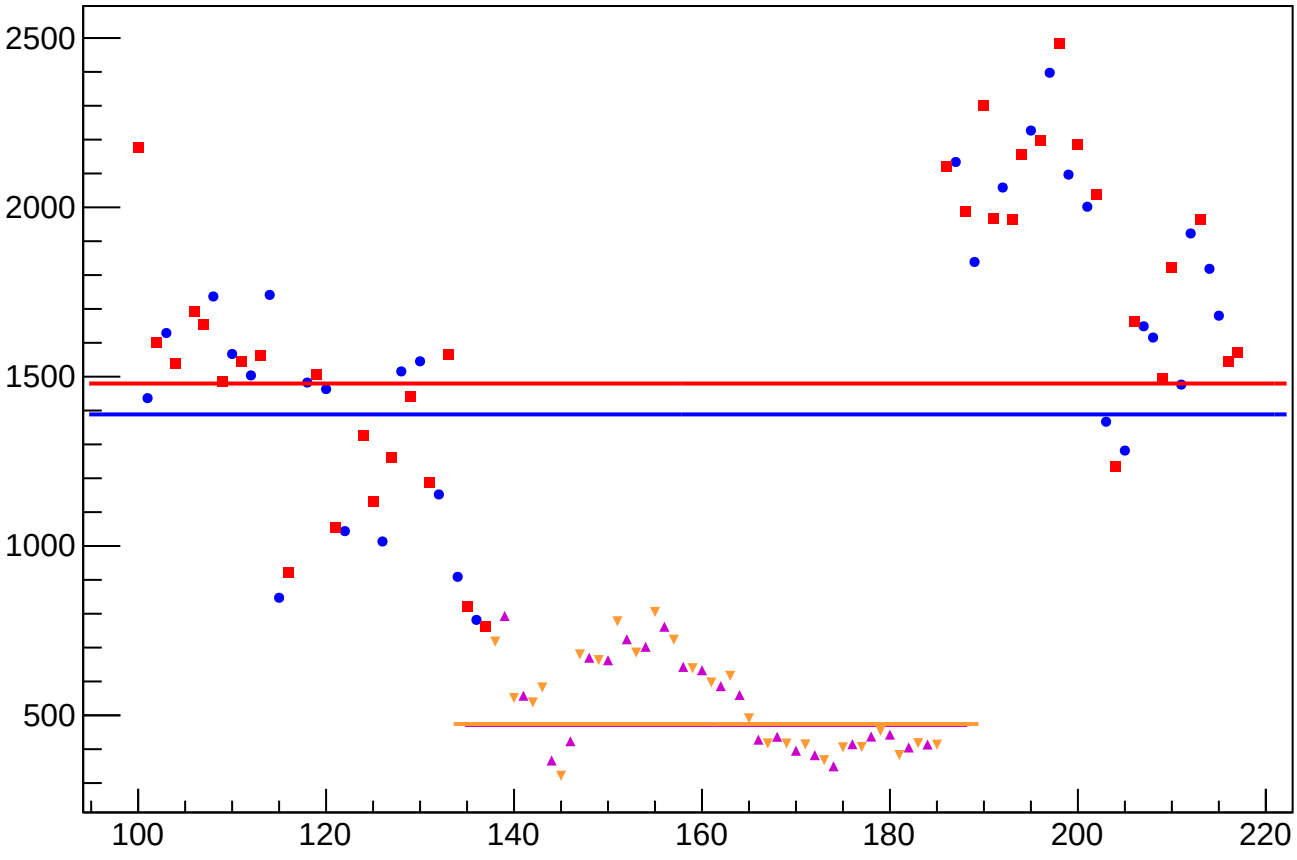
Right Out: -1159.045+/-339.482 χ^2/NDF: 32.0/35

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -490.991+/-105.937 χ^2/NDF: 103.5/55

All: -332.288+/-75.717 χ^2/NDF: 180.3/114

- sign -166.550+/-108.260 χ^2/NDF: 72.2/58



Right In: 1388.560+/-0.235 χ^2/NDF: 3313631.1/30

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1479.772+/-0.240 χ^2/NDF: 3149285.7/35

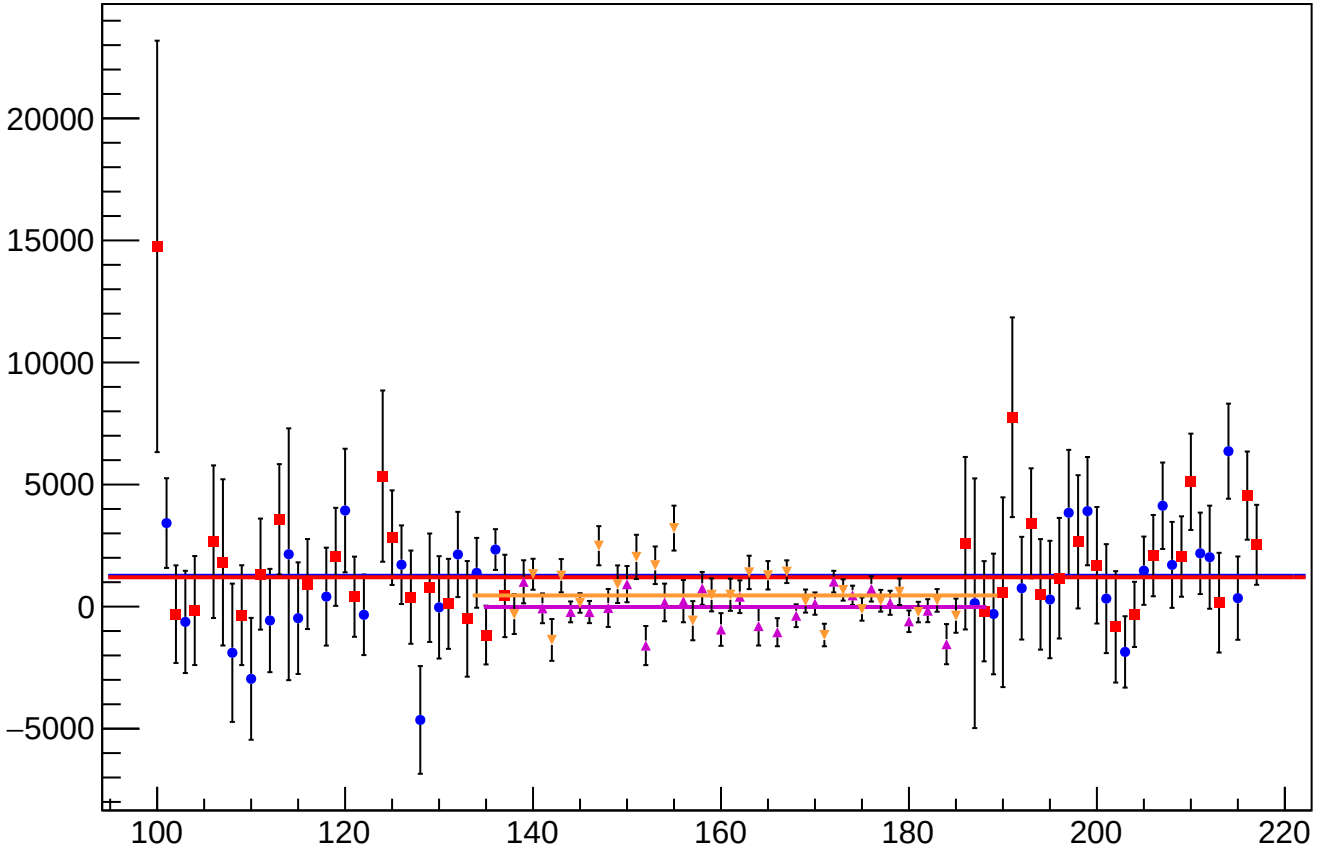
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 567.275+/-0.075 χ^2/NDF: 19461538.8/55

All: 570.563+/-0.054 χ^2/NDF: 40673500.0/11

- sign 573.996+/-0.077 χ^2/NDF: 21208023.1/58

asym_sam_3726_avg_mean vs Slug



Right In: 1262.700+/-332.016 χ^2/NDF: 37.6/30

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1201.431+/-342.953 χ^2/NDF: 28.7/35

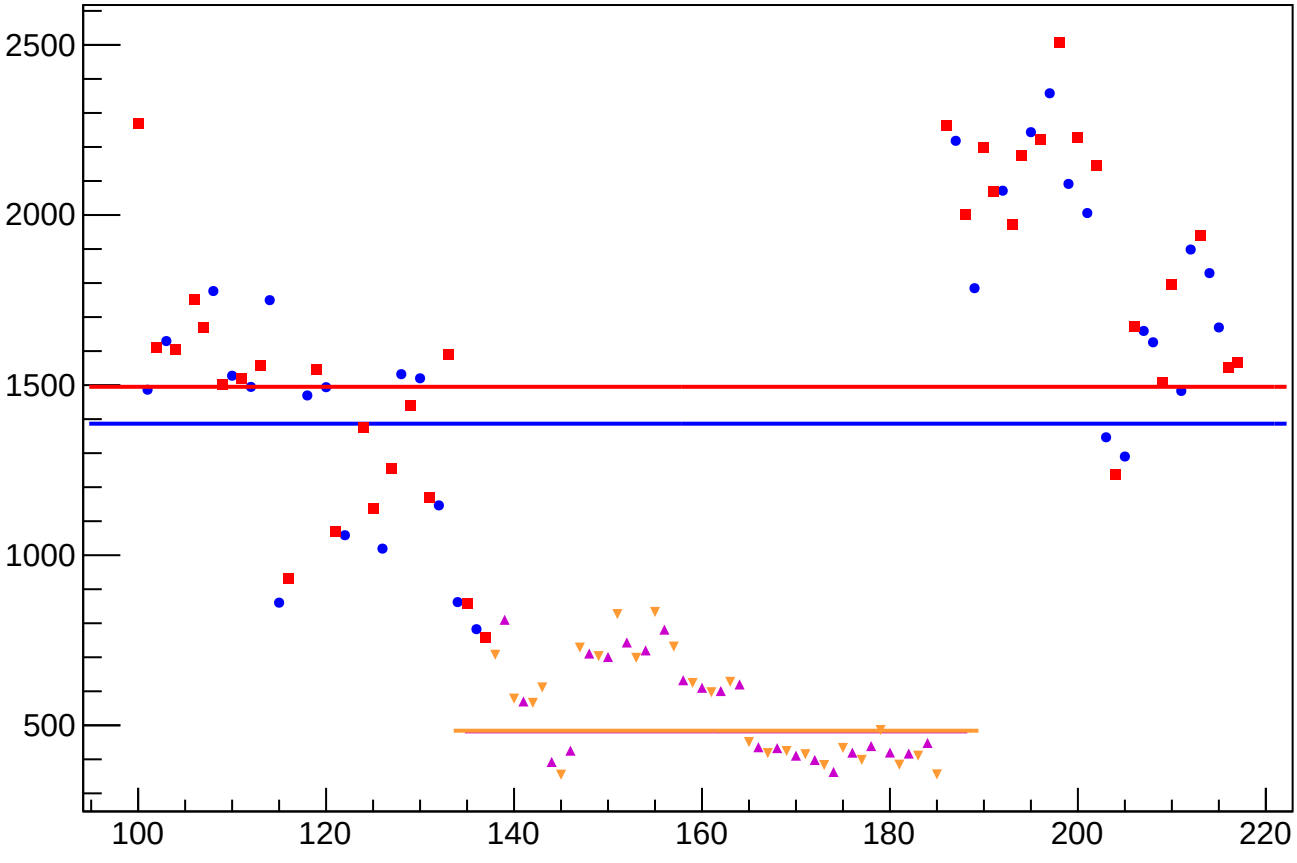
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 542.694+/-108.118 χ^2/NDF: 102.2/55

All: 331.586+/-77.273 χ^2/NDF: 180.2/114

- sign 111.156+/-110.480 χ^2/NDF: 70.2/58

asym_sam_3726_avg_rms vs Slug



Right In: 1386.613+/-0.235 χ^2/NDF: 3346918.1/30

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

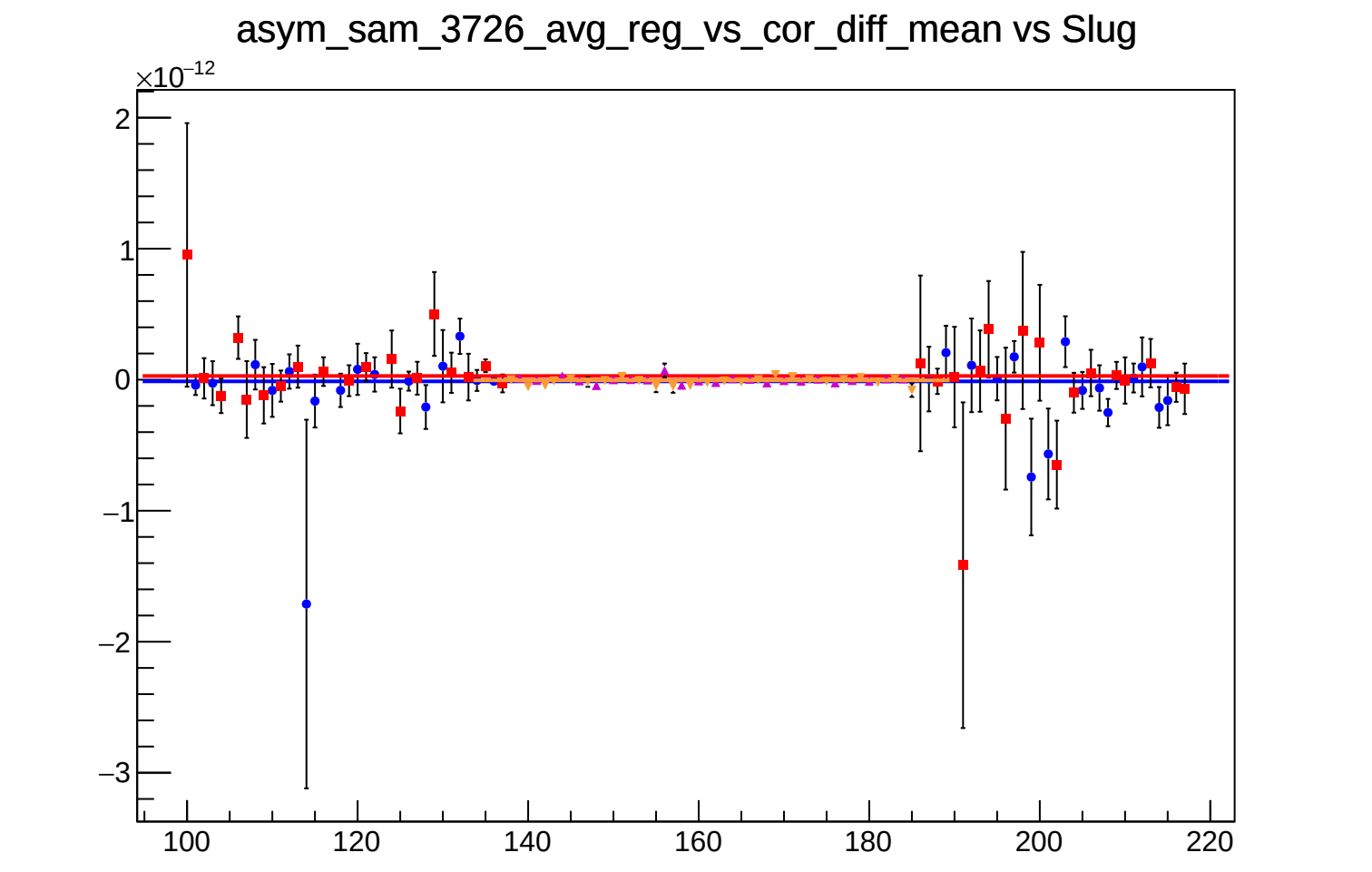
Right Out: 1495.036+/-0.243 χ^2/NDF: 3116476.1/35

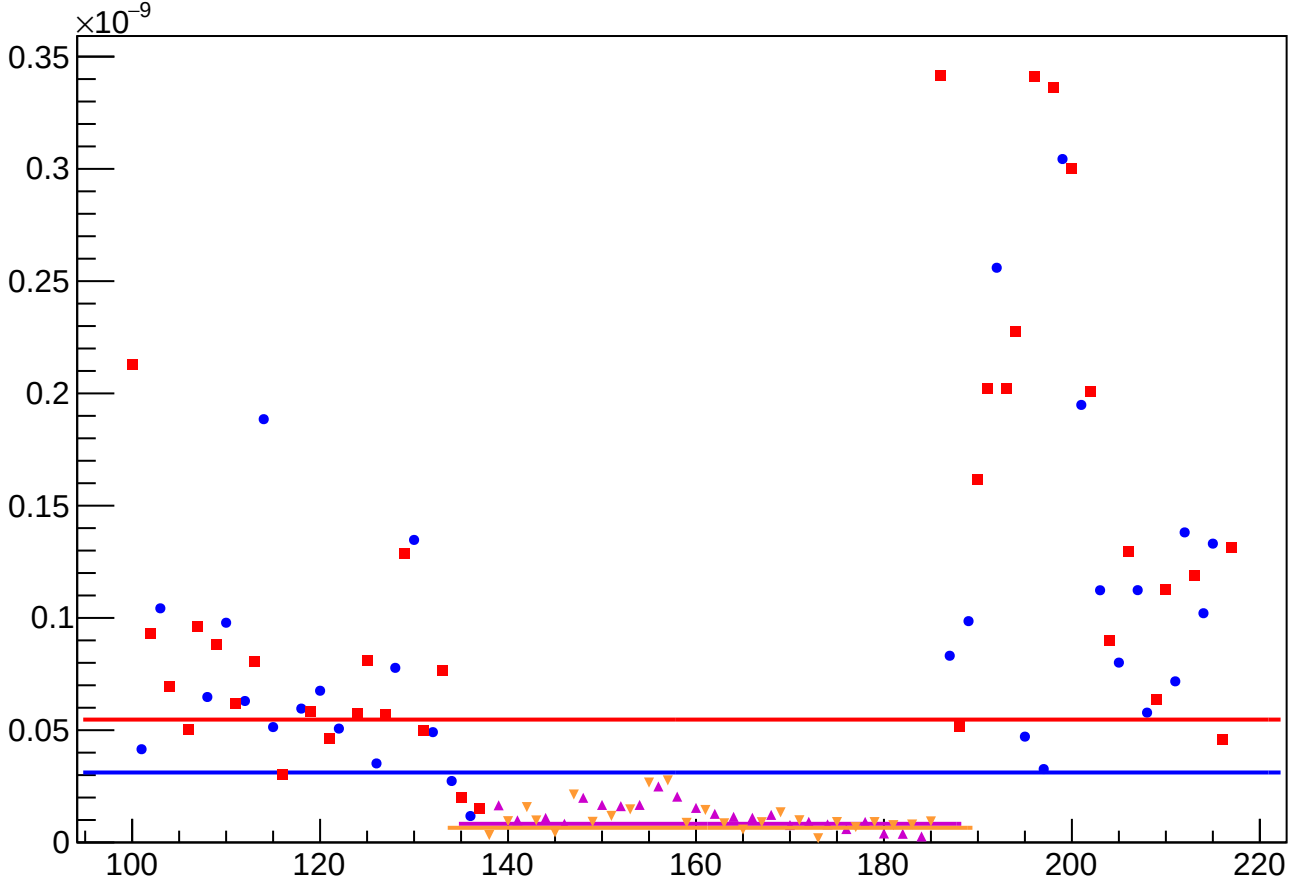
Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 579.830+/-0.076 χ^2/NDF: 19105586.6/55

All: 583.470+/-0.055 χ^2/NDF: 40048108.1/11

- sign 587.271+/-0.078 χ^2/NDF: 20937886.7/58


asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 31.3/30
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/35
Left In: -0.000+/-0.000 χ²/NDF:15.0/22
+ sign -0.000+/-0.000 χ²/NDF: 62.5/55
All: -0.000+/-0.000 χ²/NDF: 104.9/114
- sign -0.000+/-0.000 χ²/NDF: 42.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8545273.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7035068.4/35

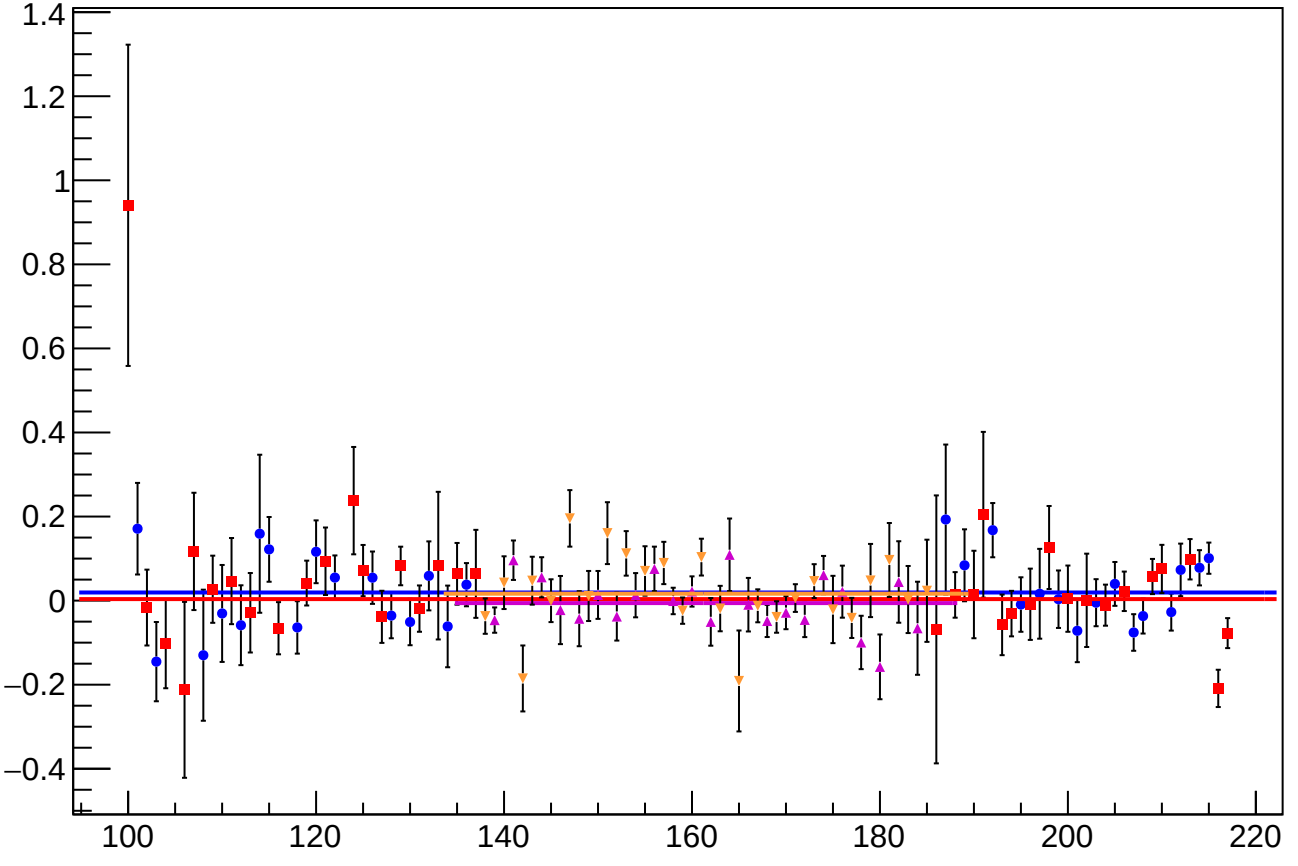
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16794428.6/55

All: 0.000+/-0.000 χ^2/NDF: 34784769.8/114

- sign 0.000+/-0.000 χ^2/NDF: 17632321.6/58

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

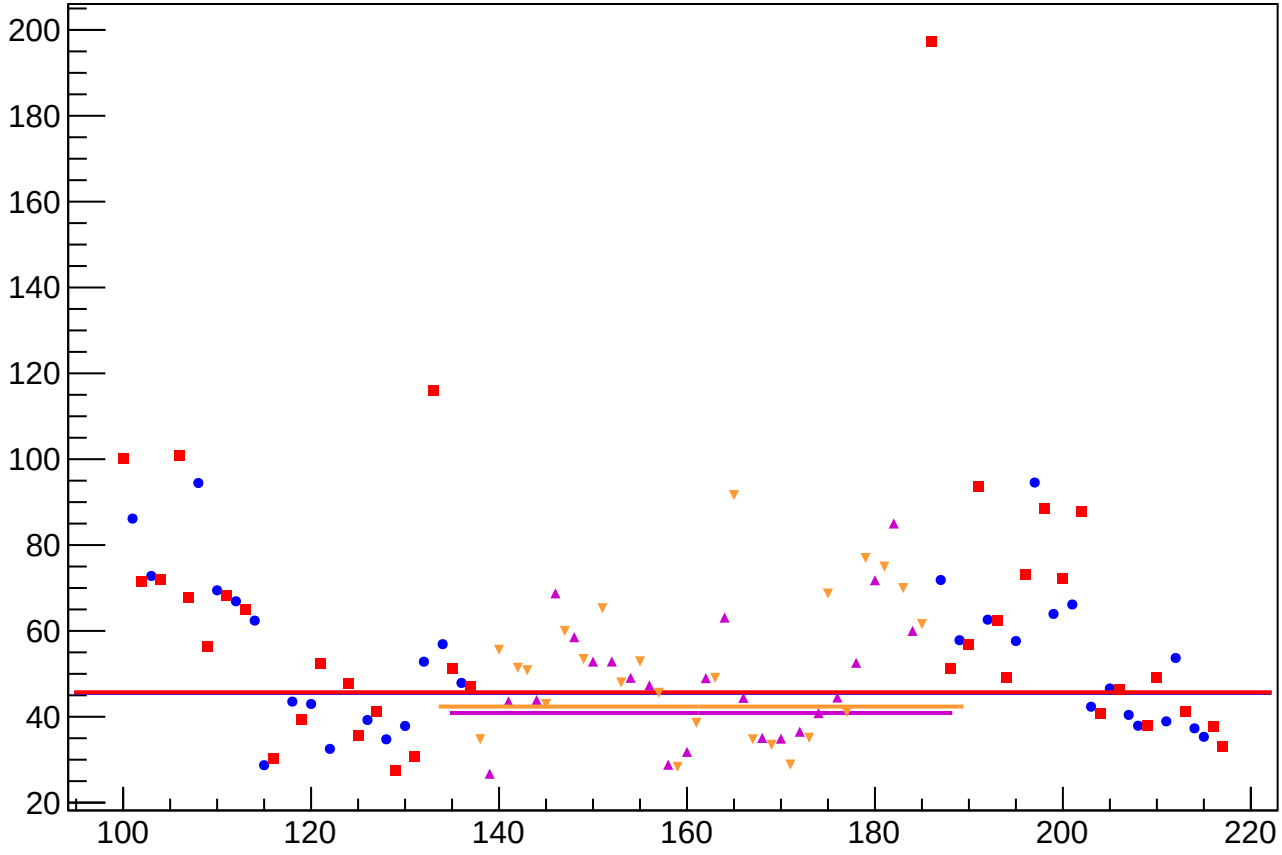
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.008 χ^2/NDF: 82.3/55

All: 0.008+/-0.005 χ^2/NDF: 172.7/114

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

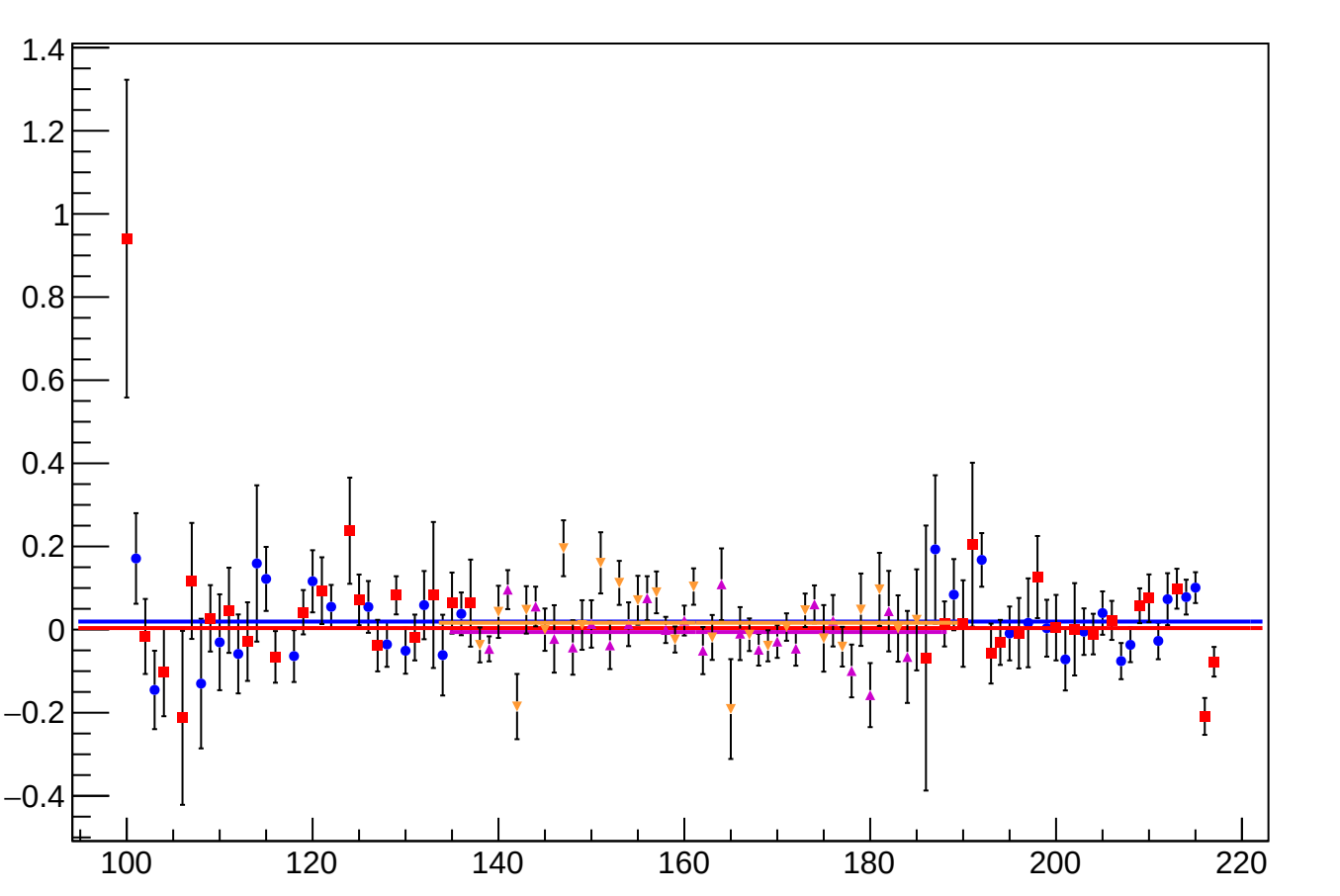
Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.844+/-0.005 χ^2/NDF: 5955132.9/55

All: 43.470+/-0.004 χ^2/NDF: 12860712.2/114

- sign 43.101+/-0.005 χ^2/NDF: 6895963.5/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

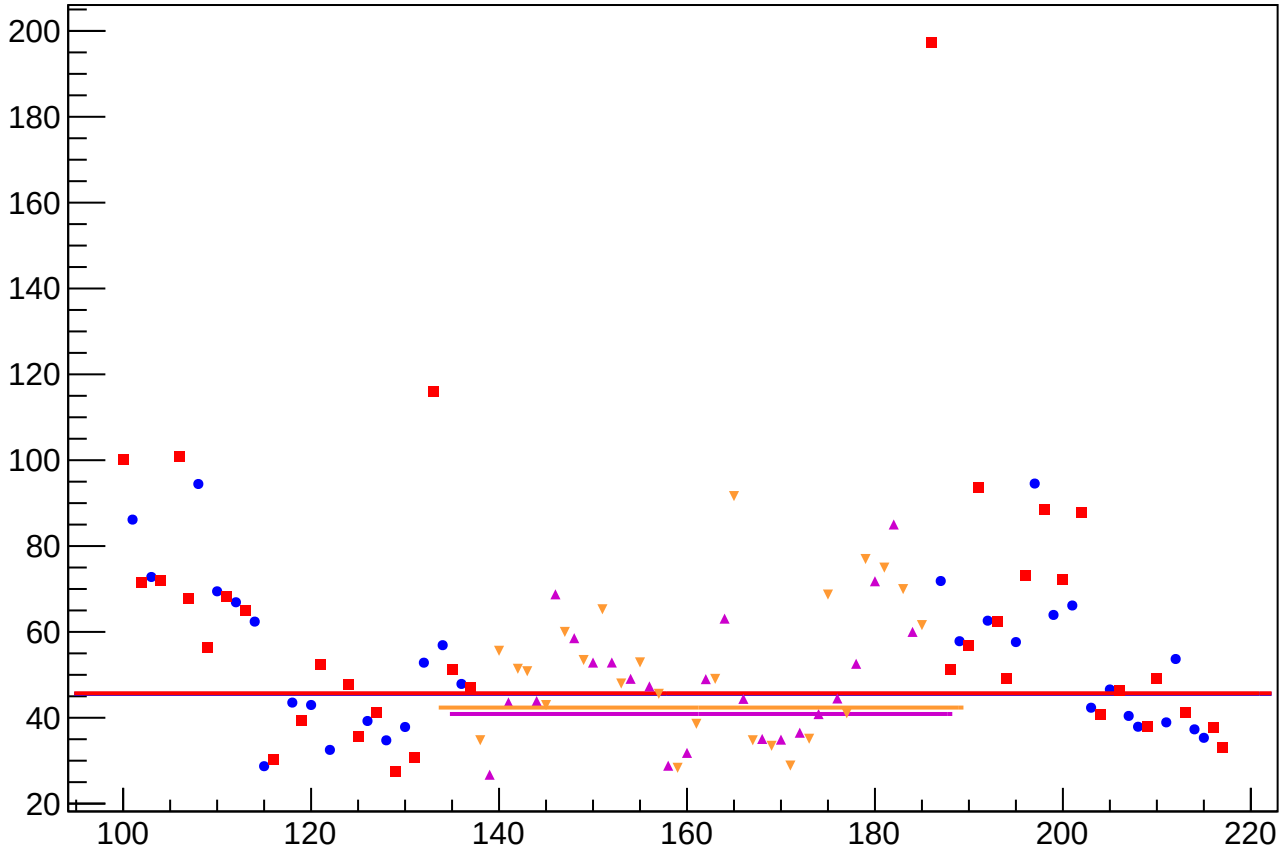
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.008 χ^2/NDF: 82.3/55

All: 0.008+/-0.005 χ^2/NDF: 172.7/114

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 45.566+/-0.008 χ^2/NDF: 2676611.0/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

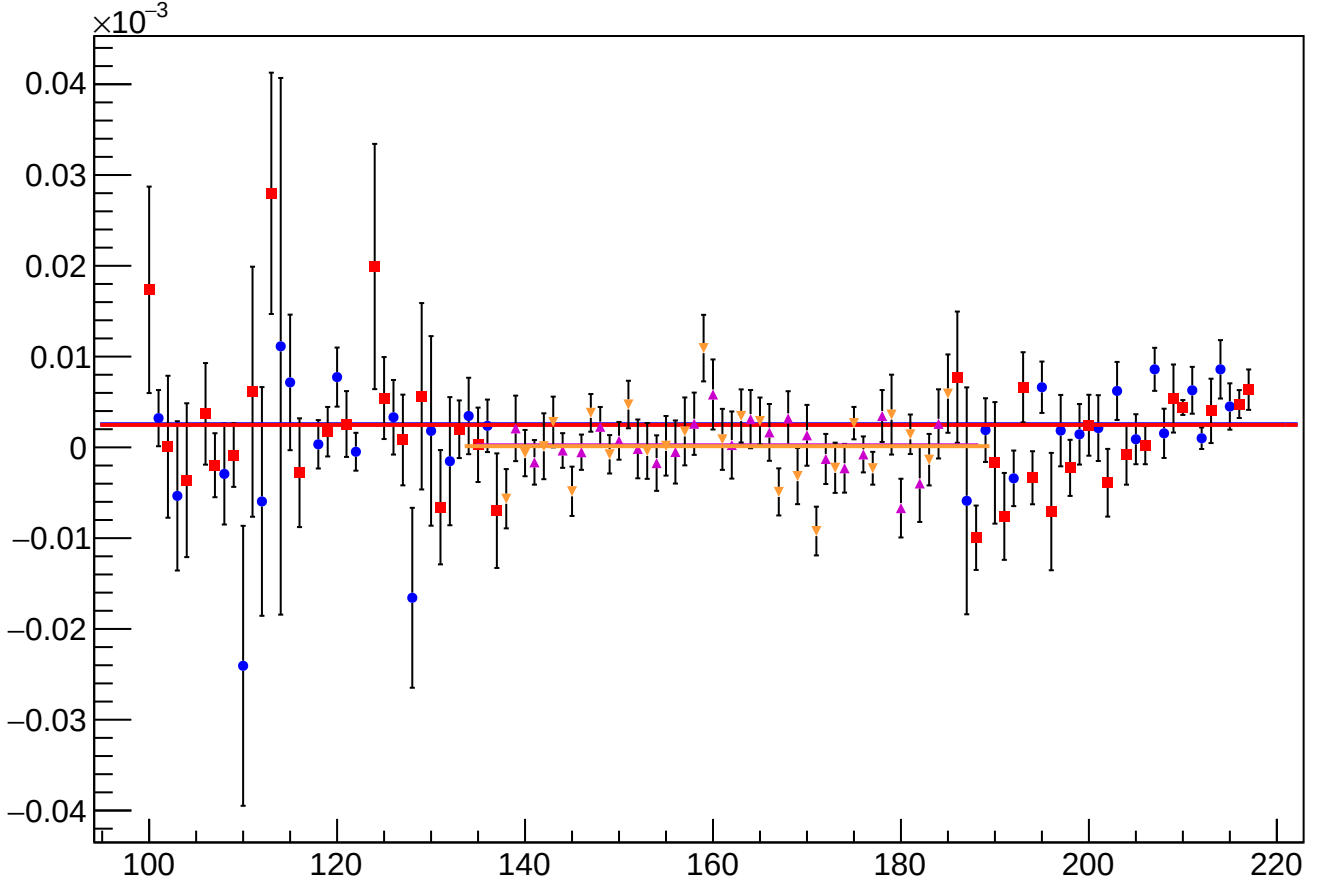
Right Out: 45.697+/-0.008 χ^2/NDF: 4015321.5/35

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 43.844+/-0.005 χ^2/NDF: 5955132.9/55

All: 43.470+/-0.004 χ^2/NDF: 12860712.2/114

- sign 43.101+/-0.005 χ^2/NDF: 6895963.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

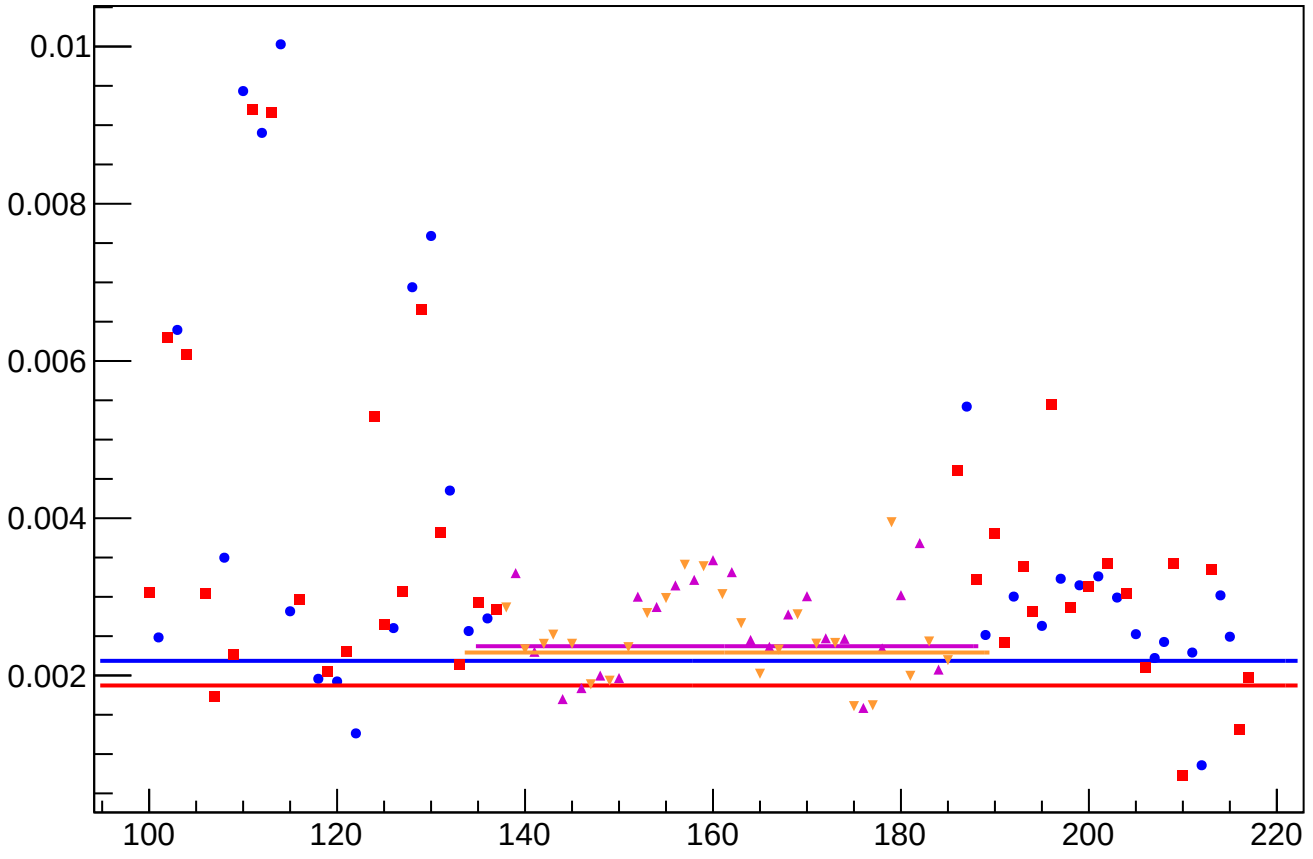
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/35

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.6/55

All: 0.000+/-0.000 χ^2/NDF: 182.6/114

- sign 0.000+/-0.000 χ^2/NDF: 84.8/58



Right In: 0.002+/-0.000 χ^2/NDF: 7201335.6/30

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

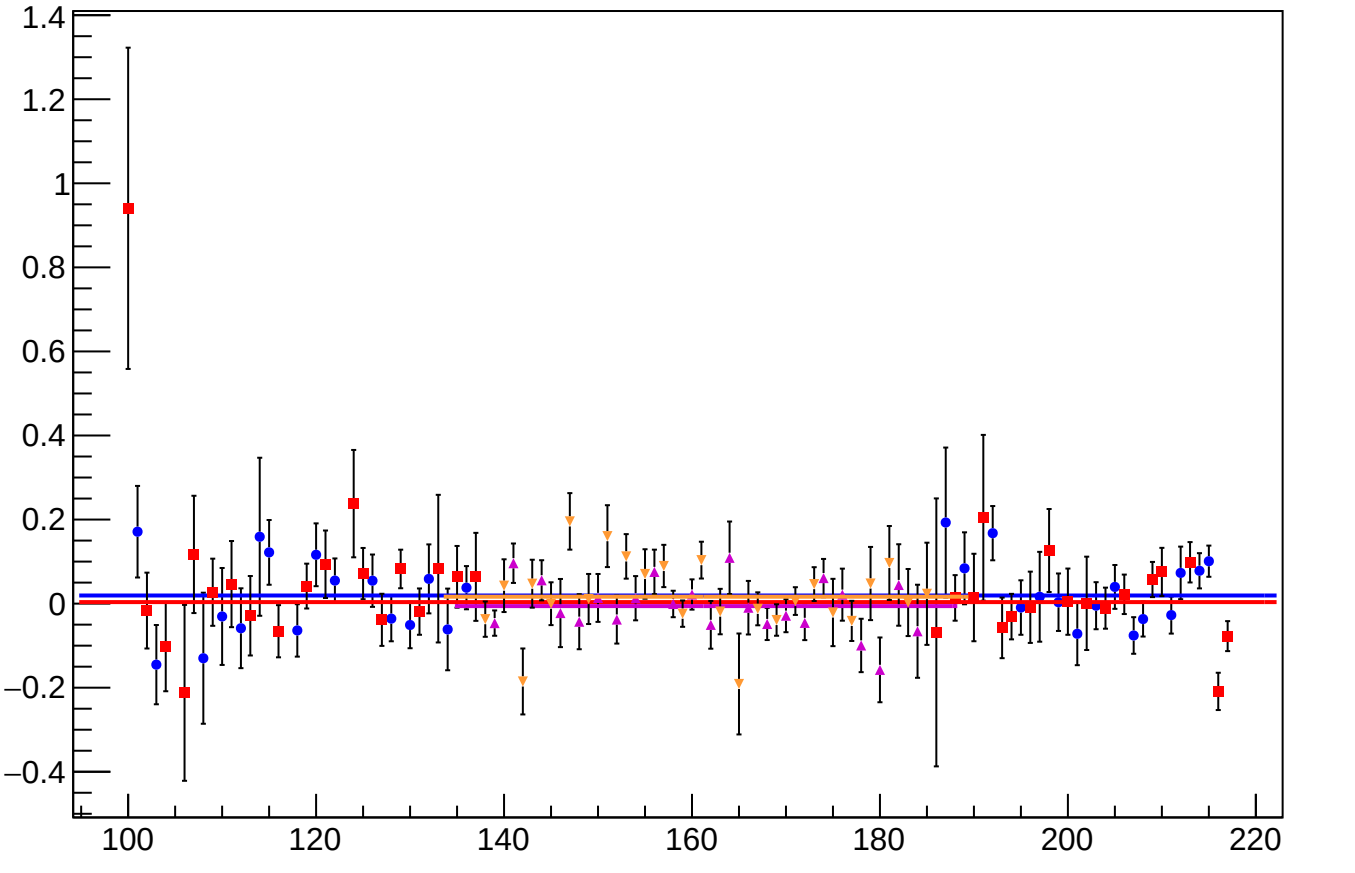
Right Out: 0.002+/-0.000 χ^2/NDF: 11543474.0/35

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 9057088.2/55

All: 0.002+/-0.000 χ^2/NDF: 23641881.7/114

- sign 0.002+/-0.000 χ^2/NDF: 14420613.7/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

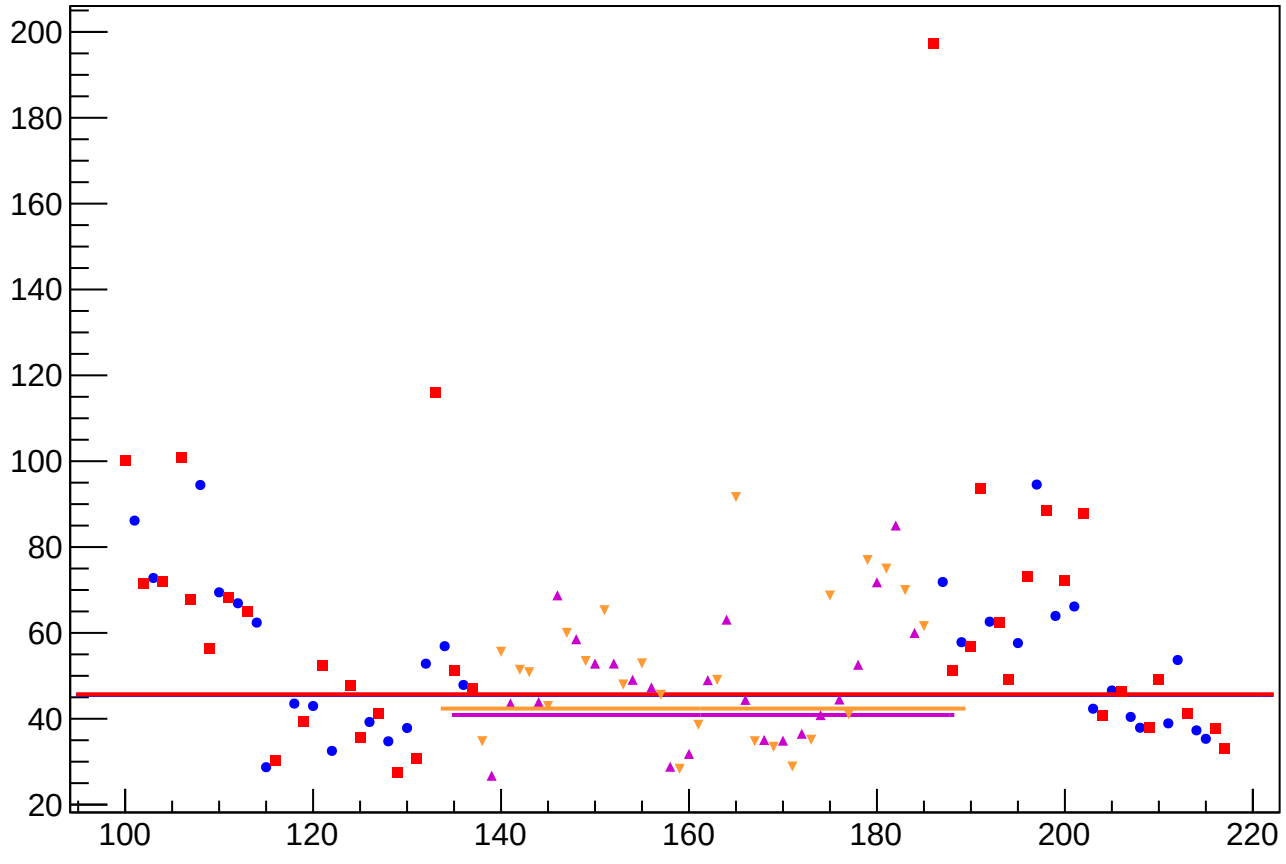
Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.008 χ^2/NDF: 82.3/55

All: 0.008+/-0.005 χ^2/NDF: 172.7/114

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58



Right In: 45.566+/-0.008 χ^2/NDF: 2676557.4/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

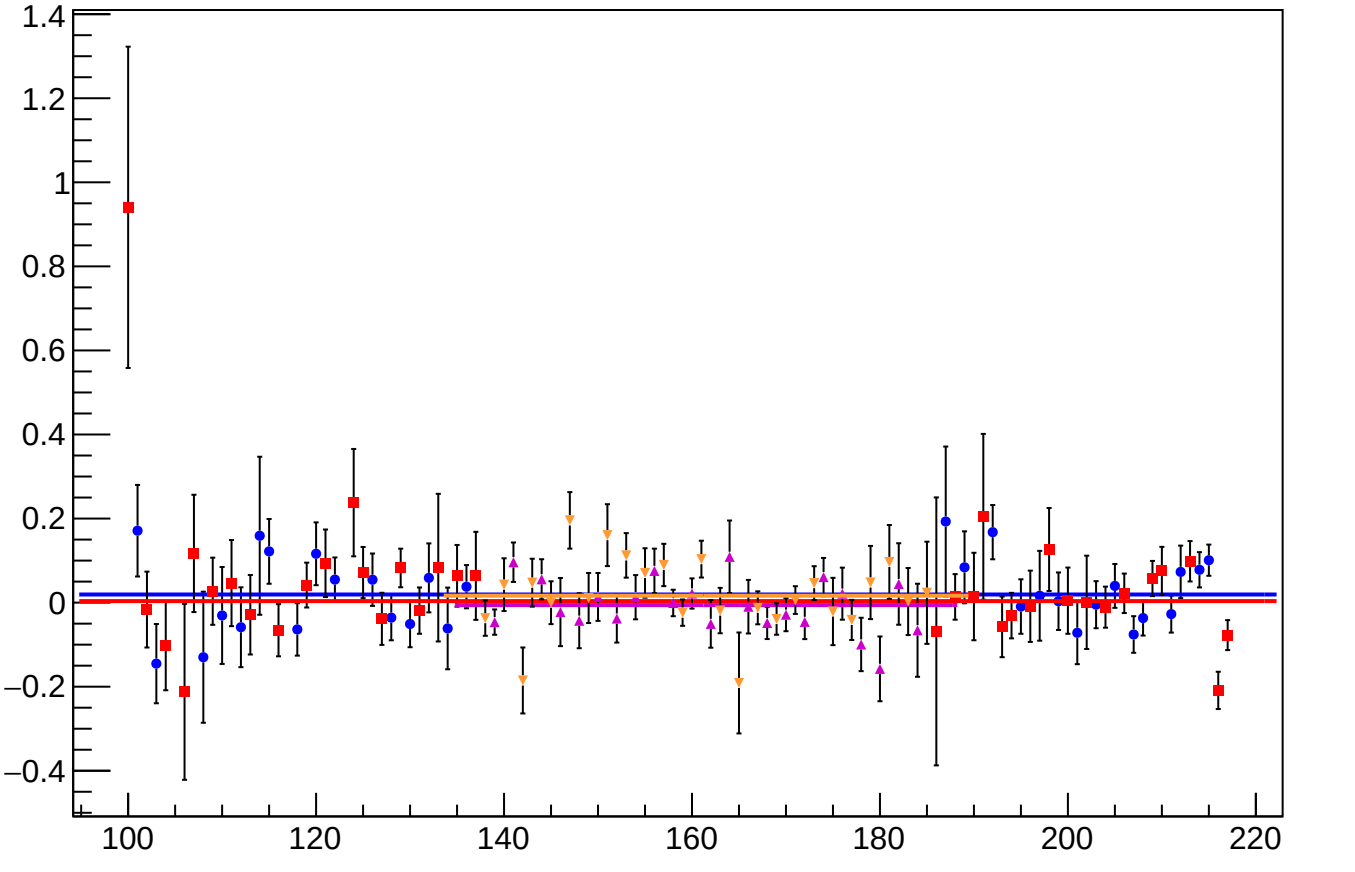
Right Out: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.844+/-0.005 χ^2/NDF: 5955091.0/55

All: 43.470+/-0.004 χ^2/NDF: 12860619.5/114

- sign 43.101+/-0.005 χ^2/NDF: 6895912.8/58



Right In: 0.019+/-0.011 χ^2/NDF: 41.2/30

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

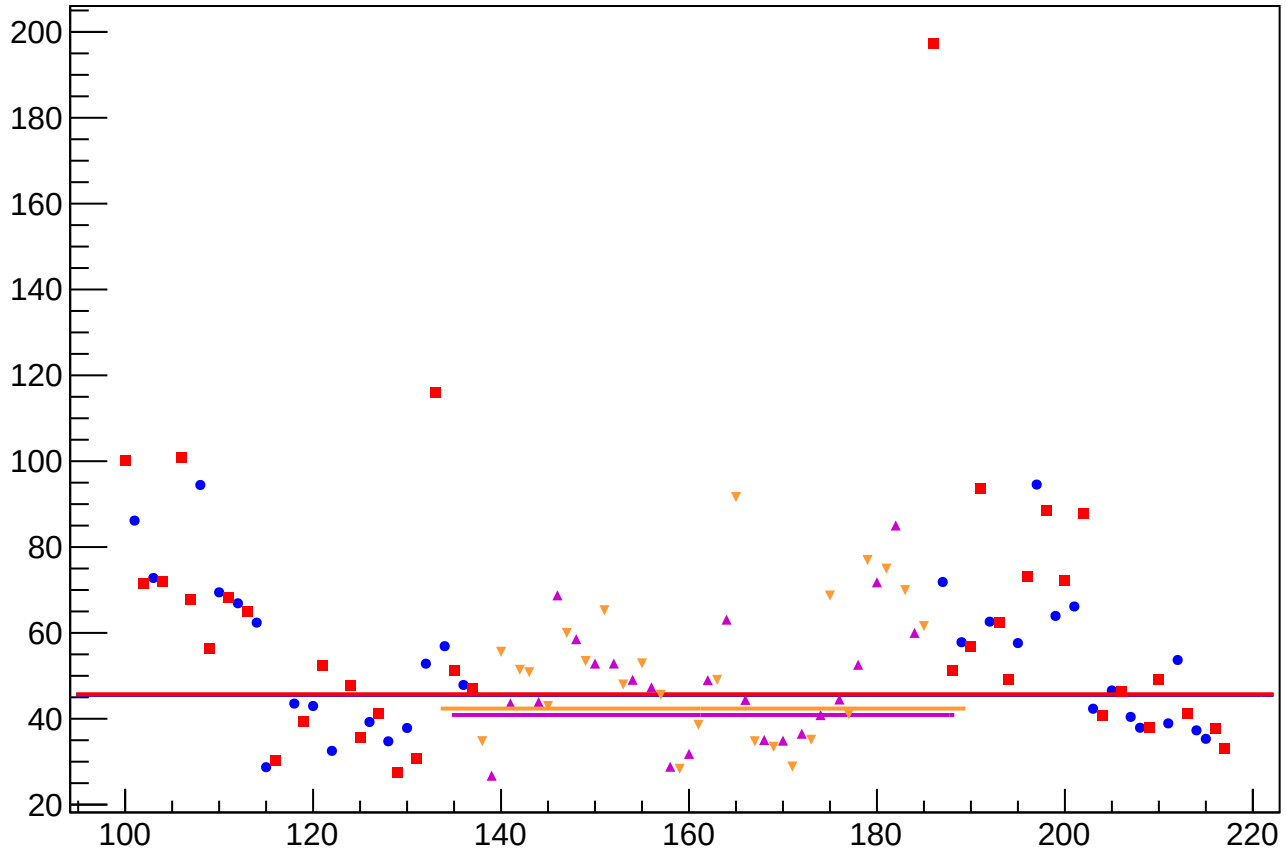
Right Out: 0.004+/-0.011 χ^2/NDF: 60.8/35

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.018+/-0.008 χ^2/NDF: 82.3/55

All: 0.008+/-0.005 χ^2/NDF: 172.7/114

- sign -0.002+/-0.008 χ^2/NDF: 87.2/58



Right In: 45.566+/-0.008 χ^2/NDF: 2676557.4/30

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

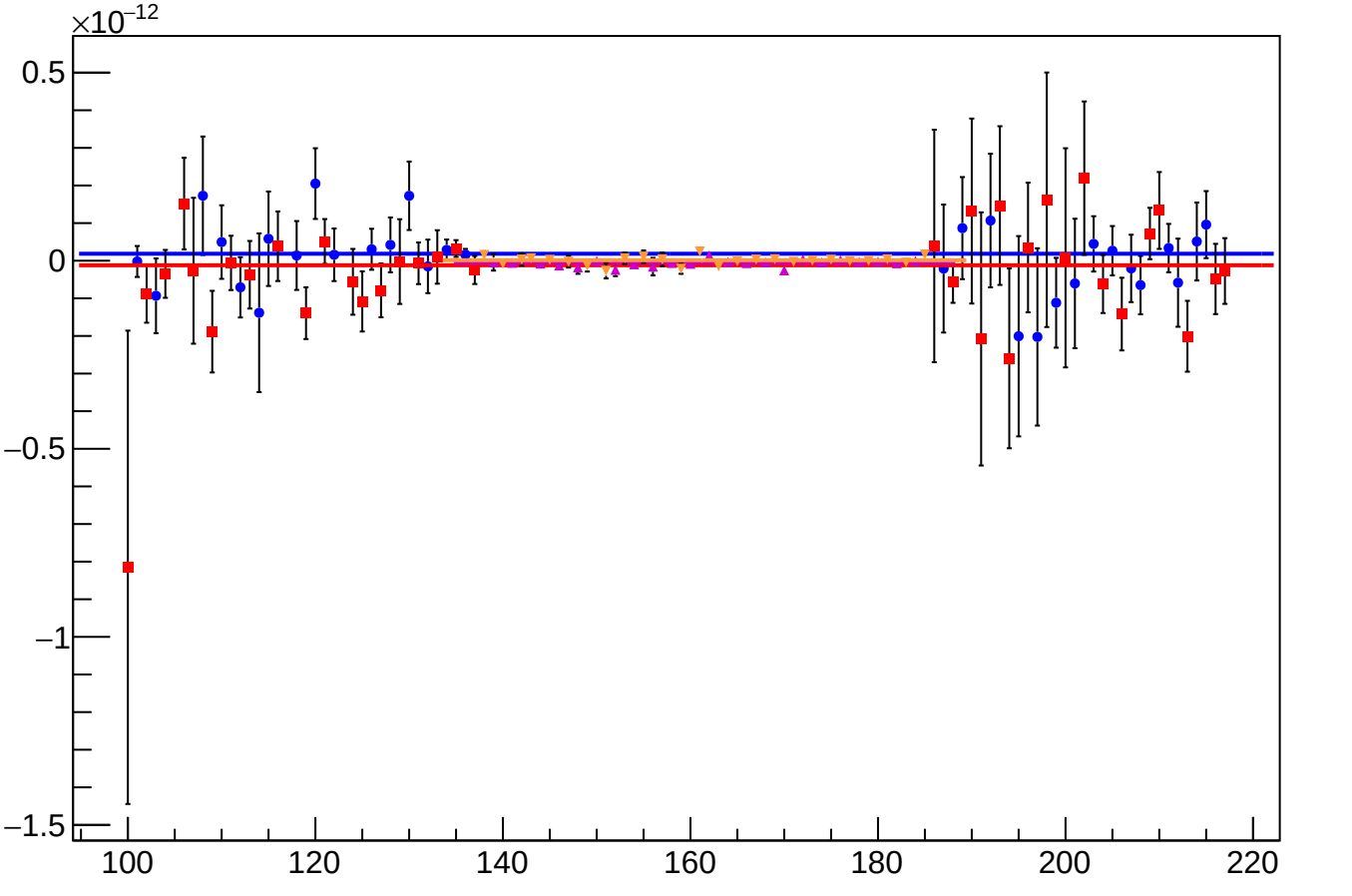
Right Out: 45.697+/-0.008 χ^2/NDF: 4015289.8/35

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 43.844+/-0.005 χ^2/NDF: 5955091.0/55

All: 43.470+/-0.004 χ^2/NDF: 12860619.5/114

- sign 43.101+/-0.005 χ^2/NDF: 6895912.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

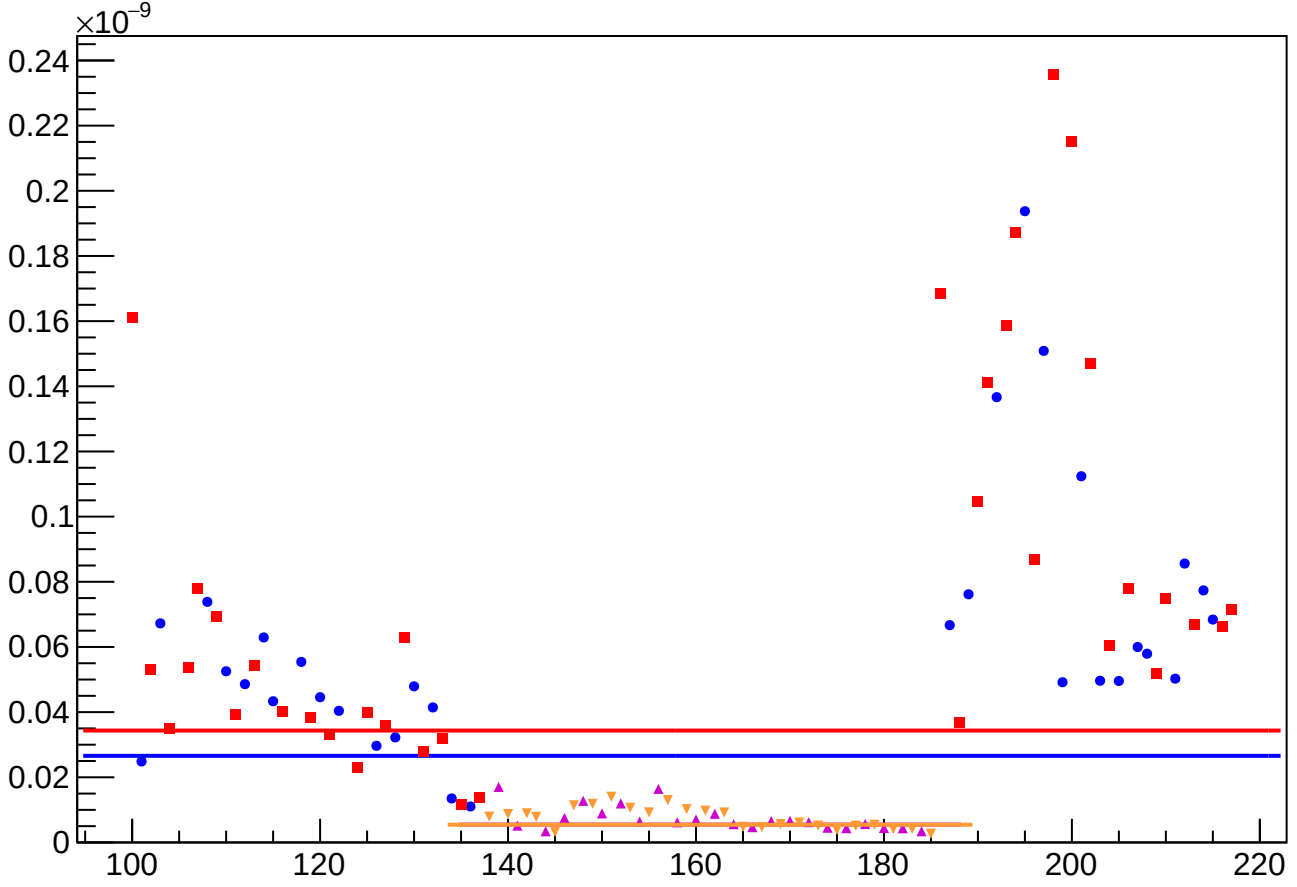
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/35

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/55

All: -0.000+/-0.000 χ^2/NDF: 96.0/114

- sign -0.000+/-0.000 χ^2/NDF: 47.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 9817263.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9984163.3/35

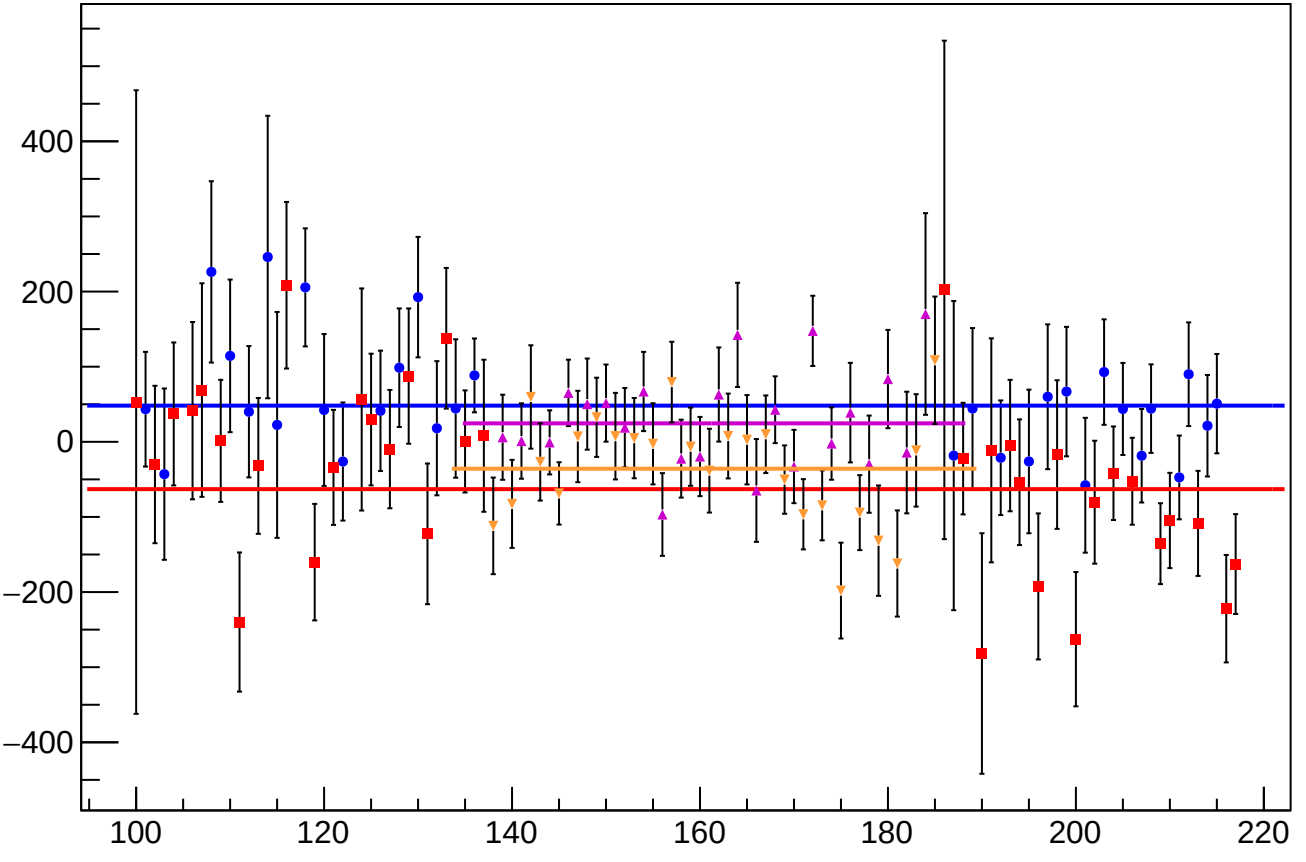
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 21862911.1/55

All: 0.000+/-0.000 χ^2/NDF: 45663895.0/114

- sign 0.000+/-0.000 χ^2/NDF: 23799857.1/58

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 48.165+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.991+/-14.217 χ^2/NDF: 46.8/35

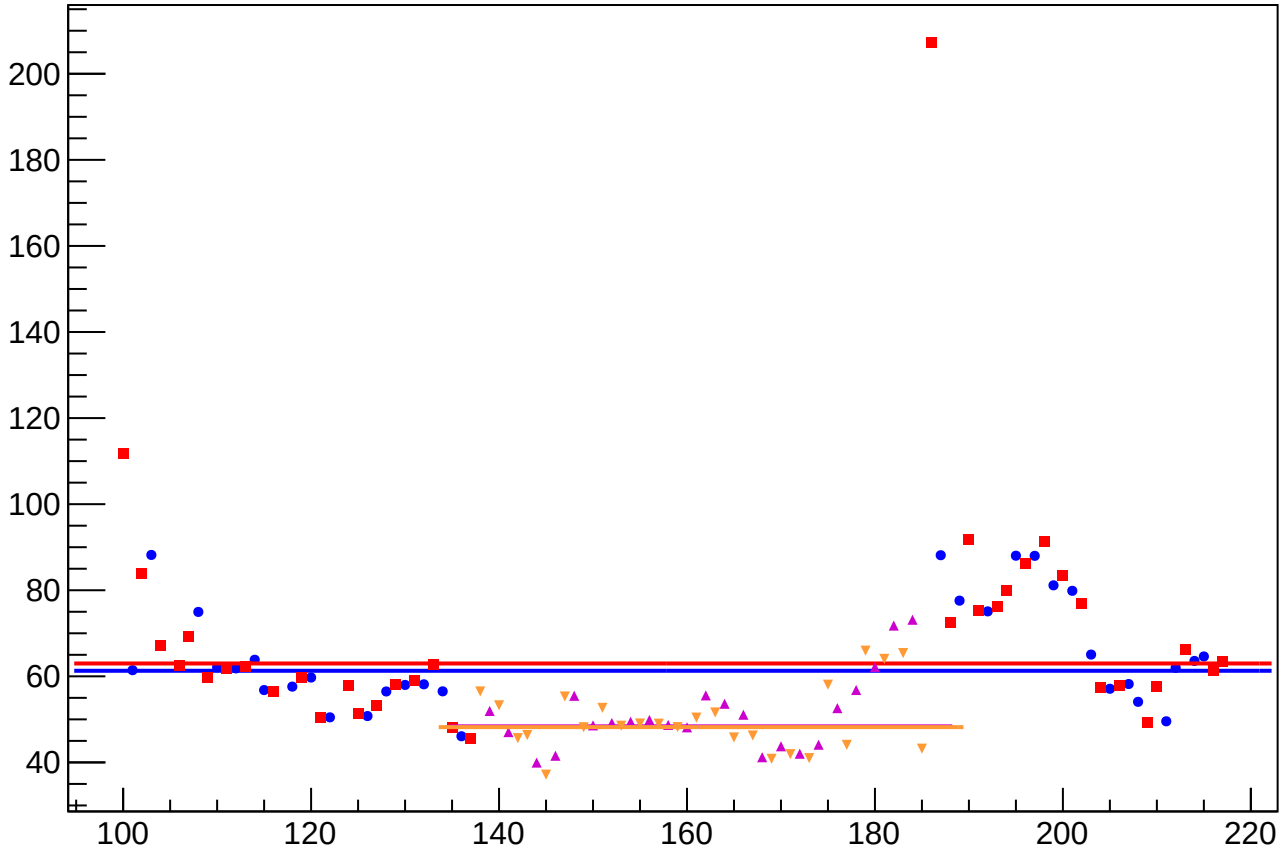
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -4.026+/-8.767 χ^2/NDF: 77.0/55

All: -6.938+/-6.255 χ^2/NDF: 172.8/114

- sign -9.956+/-8.927 χ^2/NDF: 95.6/58

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.290+/-0.010 χ^2/NDF: 1220796.2/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

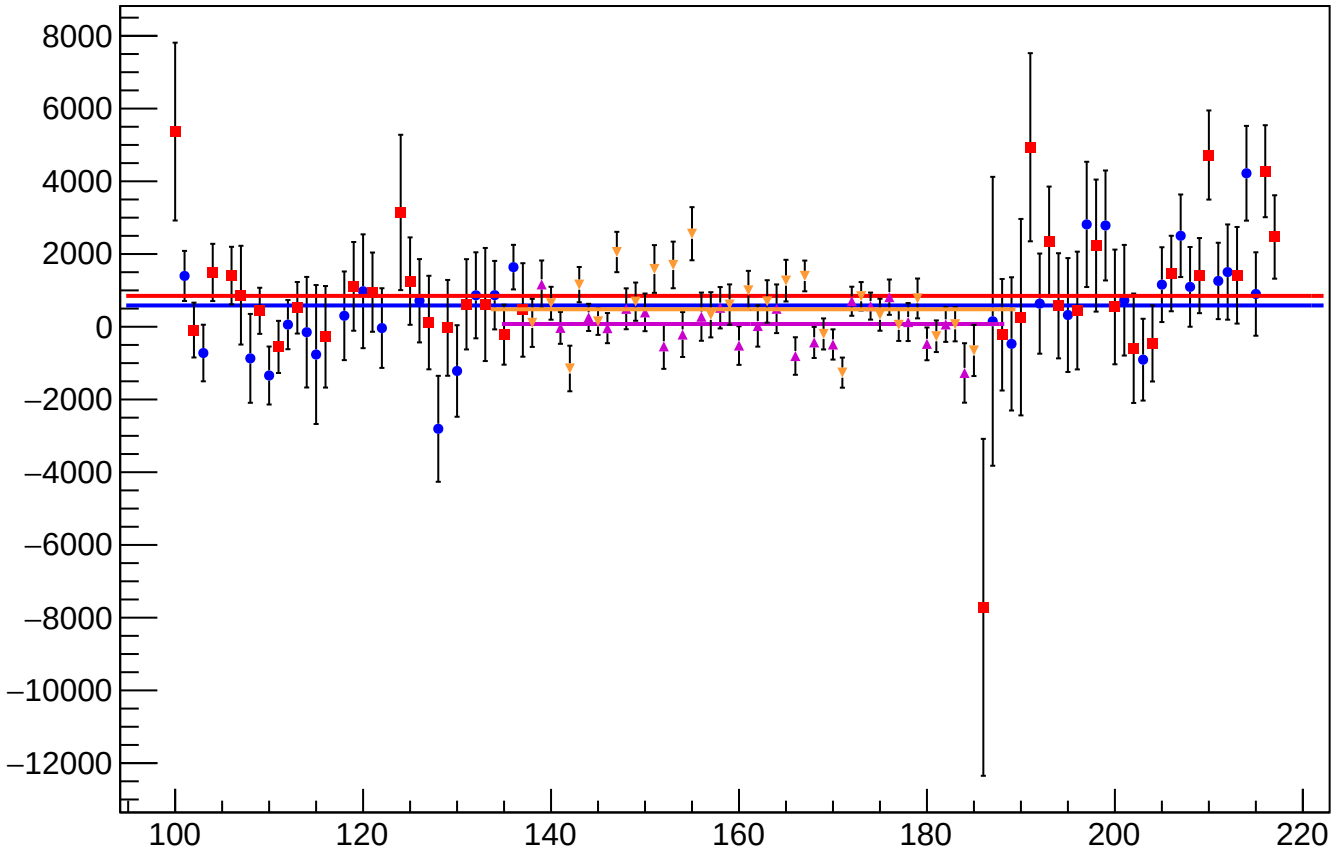
Right Out: 62.988+/-0.010 χ^2/NDF: 1653938.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.151+/-0.006 χ^2/NDF: 3049865.0/55

All: 53.637+/-0.004 χ^2/NDF: 6690513.7/114

- sign 54.141+/-0.006 χ^2/NDF: 3628140.4/58



Right In: 585.648+/-196.610 χ^2/NDF: 41.9/30

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 848.800+/-189.096 χ^2/NDF: 46.0/35

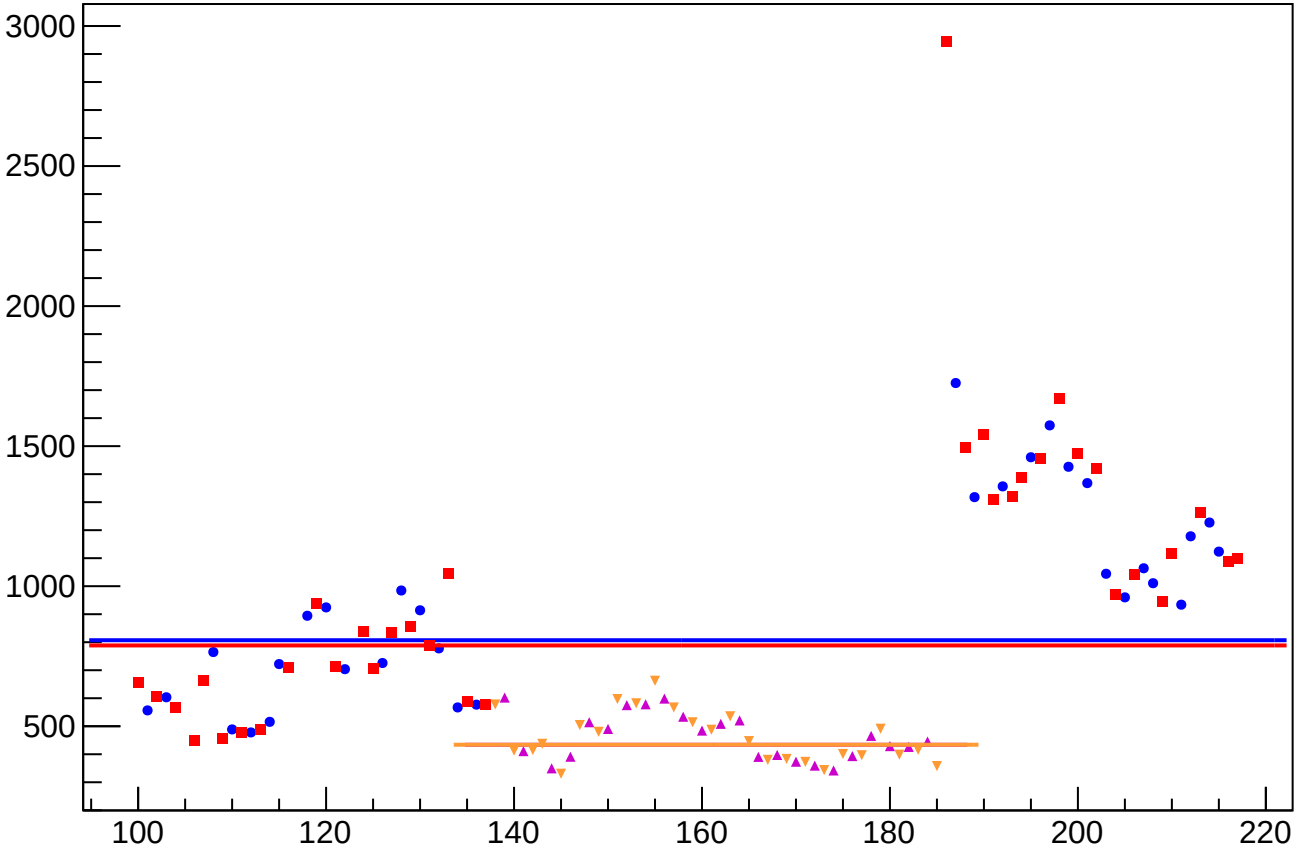
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 502.066+/-89.505 χ^2/NDF: 111.4/55

All: 378.915+/-63.652 χ^2/NDF: 198.5/114

- sign 252.902+/-90.539 χ^2/NDF: 83.3/58

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 807.060+/-0.139 χ^2/NDF: 4568540.1/30

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

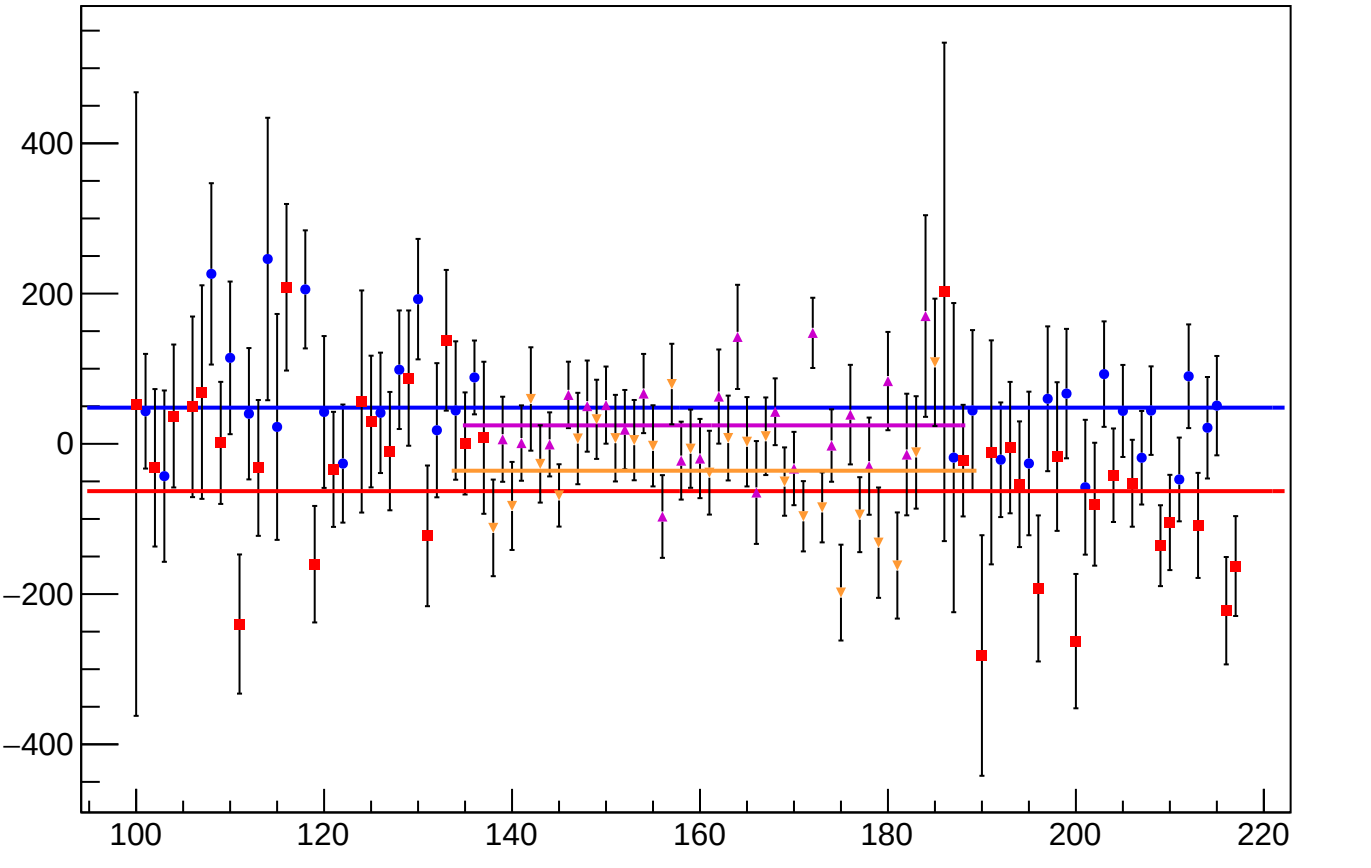
Right Out: 788.466+/-0.134 χ^2/NDF: 6353544.4/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 511.271+/-0.063 χ^2/NDF: 11522344.6/55

All: 513.137+/-0.045 χ^2/NDF: 24397565.3/11

- sign 515.046+/-0.064 χ^2/NDF: 12873462.2/58



Right In: 48.168+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.968+/-14.221 χ^2/NDF: 46.9/35

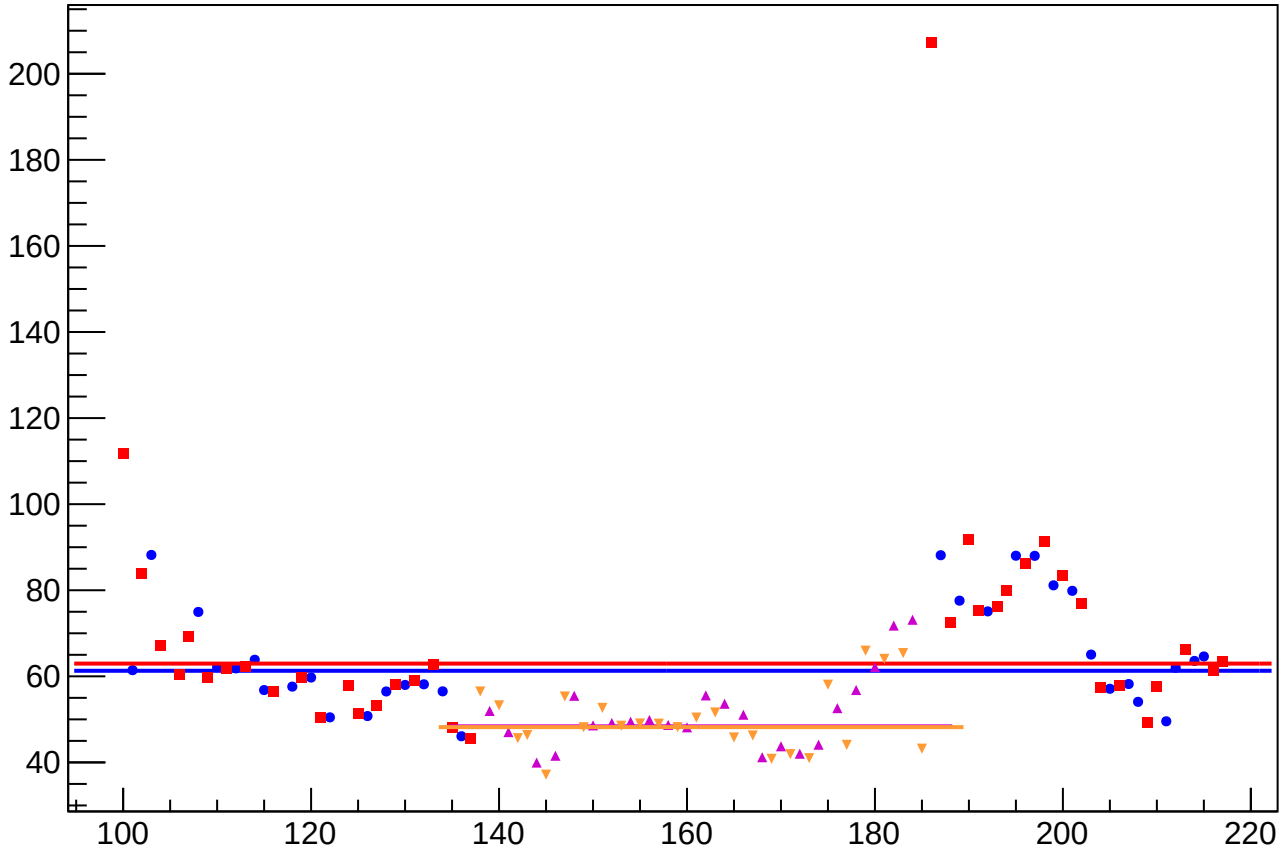
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -4.029+/-8.767 χ^2/NDF: 77.0/55

All: -6.928+/-6.256 χ^2/NDF: 172.9/114

\- sign -9.935+/-8.928 χ^2/NDF: 95.6/58

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.290+/-0.010 χ^2/NDF: 1220799.7/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

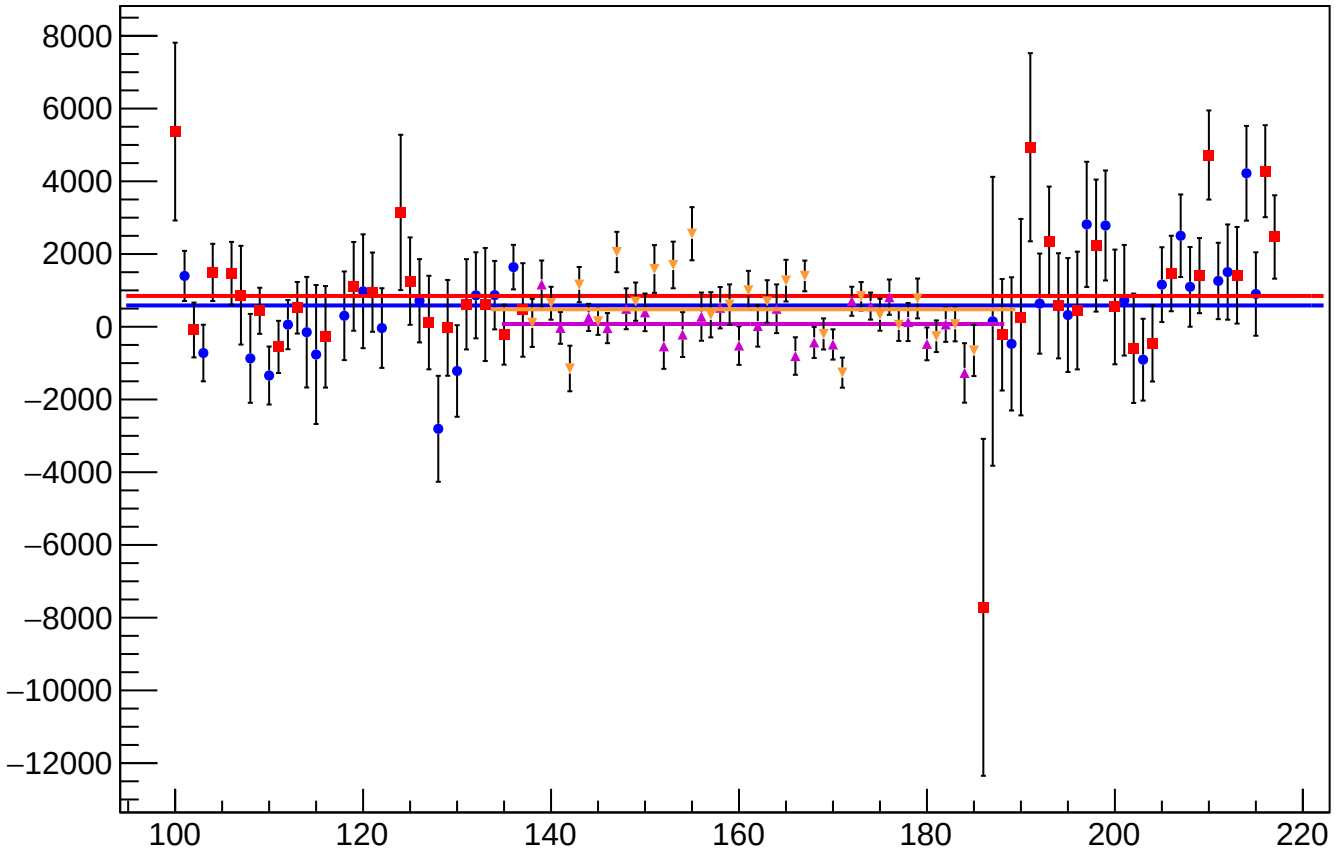
Right Out: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 53.151+/-0.006 χ^2/NDF: 3049868.9/55

All: 53.630+/-0.004 χ^2/NDF: 6685956.1/114

\- sign 54.128+/-0.006 χ^2/NDF: 3623904.7/58



Right In: 585.677+/-196.611 χ^2/NDF: 41.9/30

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 847.012+/-189.964 χ^2/NDF: 46.0/35

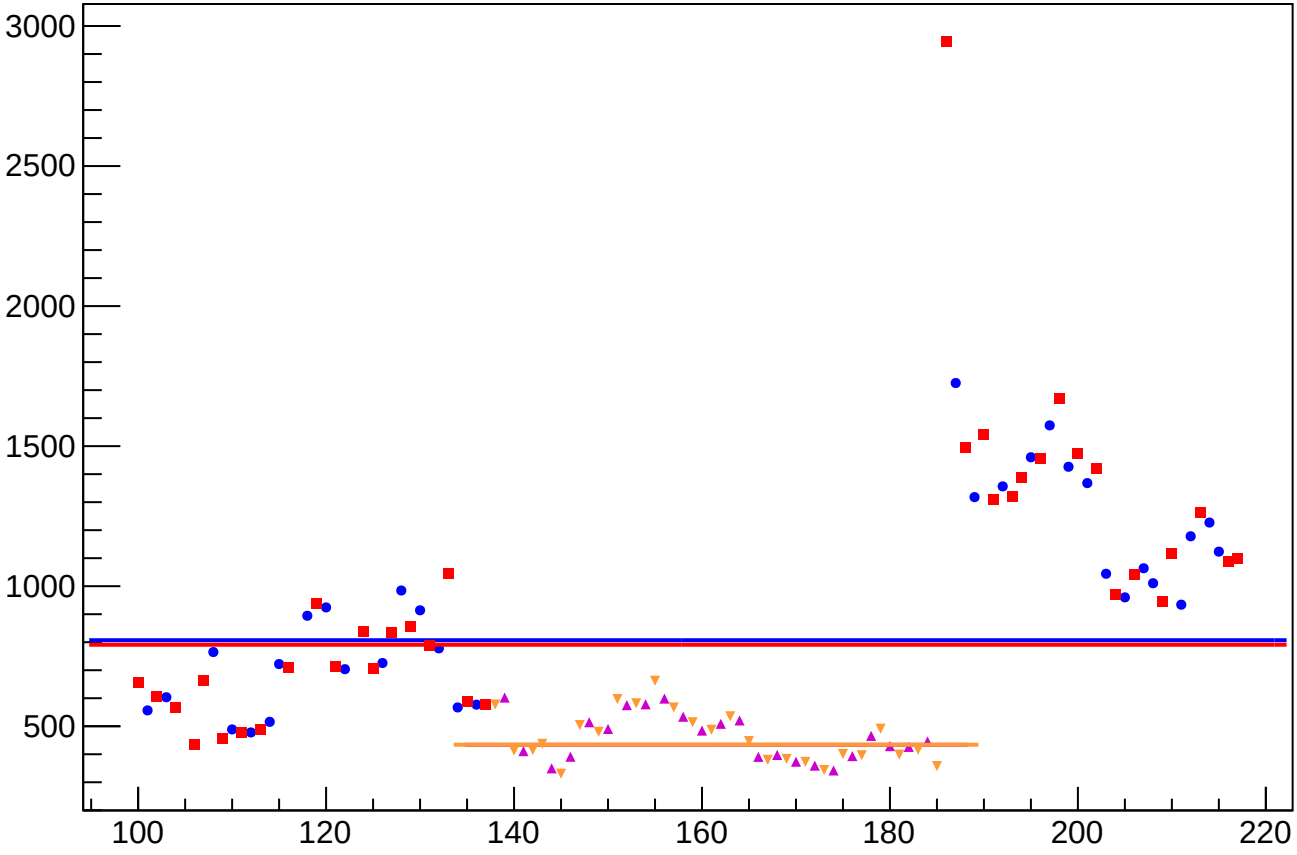
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 502.068+/-89.505 χ^2/NDF: 111.4/55

All: 378.230+/-63.685 χ^2/NDF: 198.4/114

- sign 251.249+/-90.634 χ^2/NDF: 83.2/58

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 807.065+/-0.139 χ^2/NDF: 4568458.2/30

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

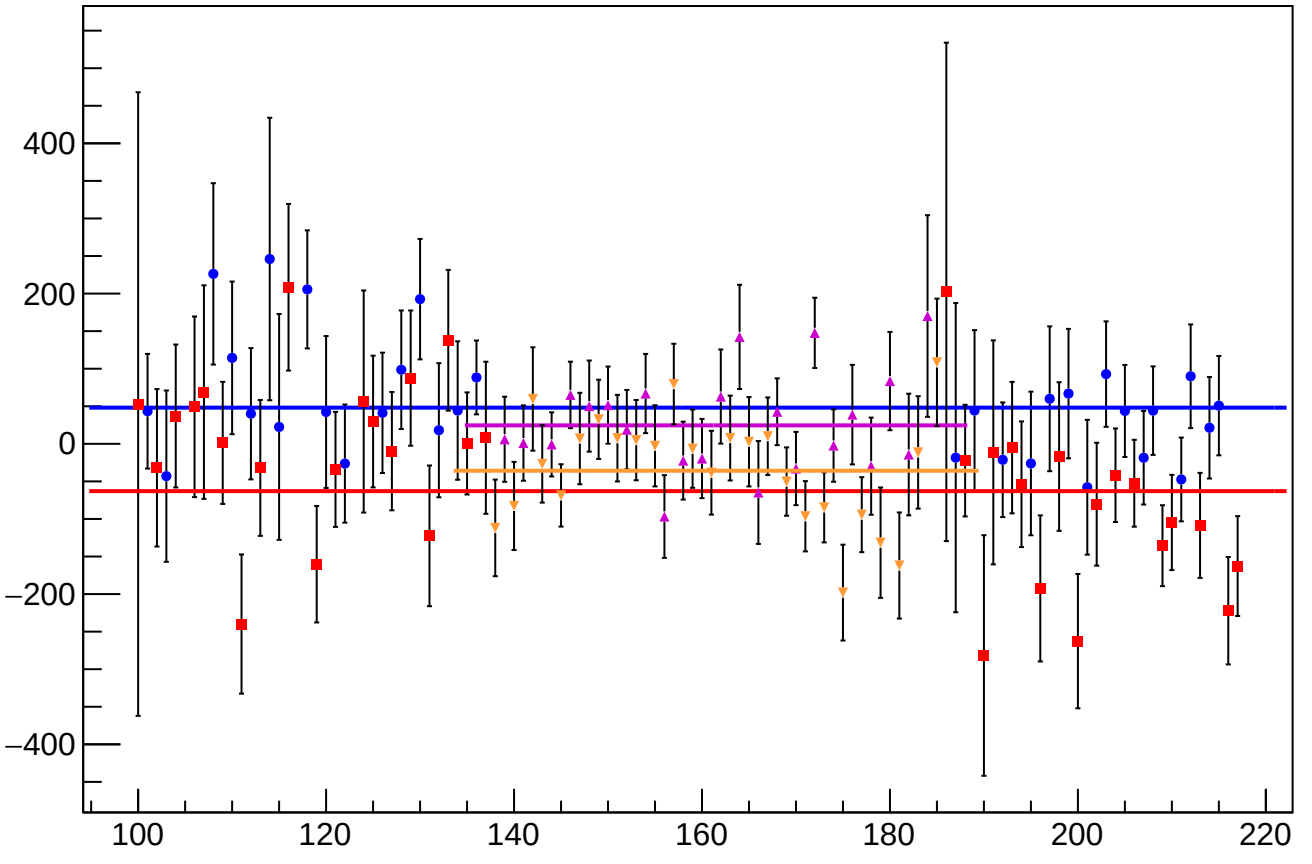
Right Out: 790.973+/-0.134 χ^2/NDF: 6318473.8/35

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 511.271+/-0.063 χ^2/NDF: 11522366.4/55

All: 513.134+/-0.045 χ^2/NDF: 24400691.5/11

- sign 515.044+/-0.064 χ^2/NDF: 12876570.9/58



Right In: 48.168+/-14.254 χ^2/NDF: 21.8/30

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -62.968+/-14.221 χ^2/NDF: 46.9/35

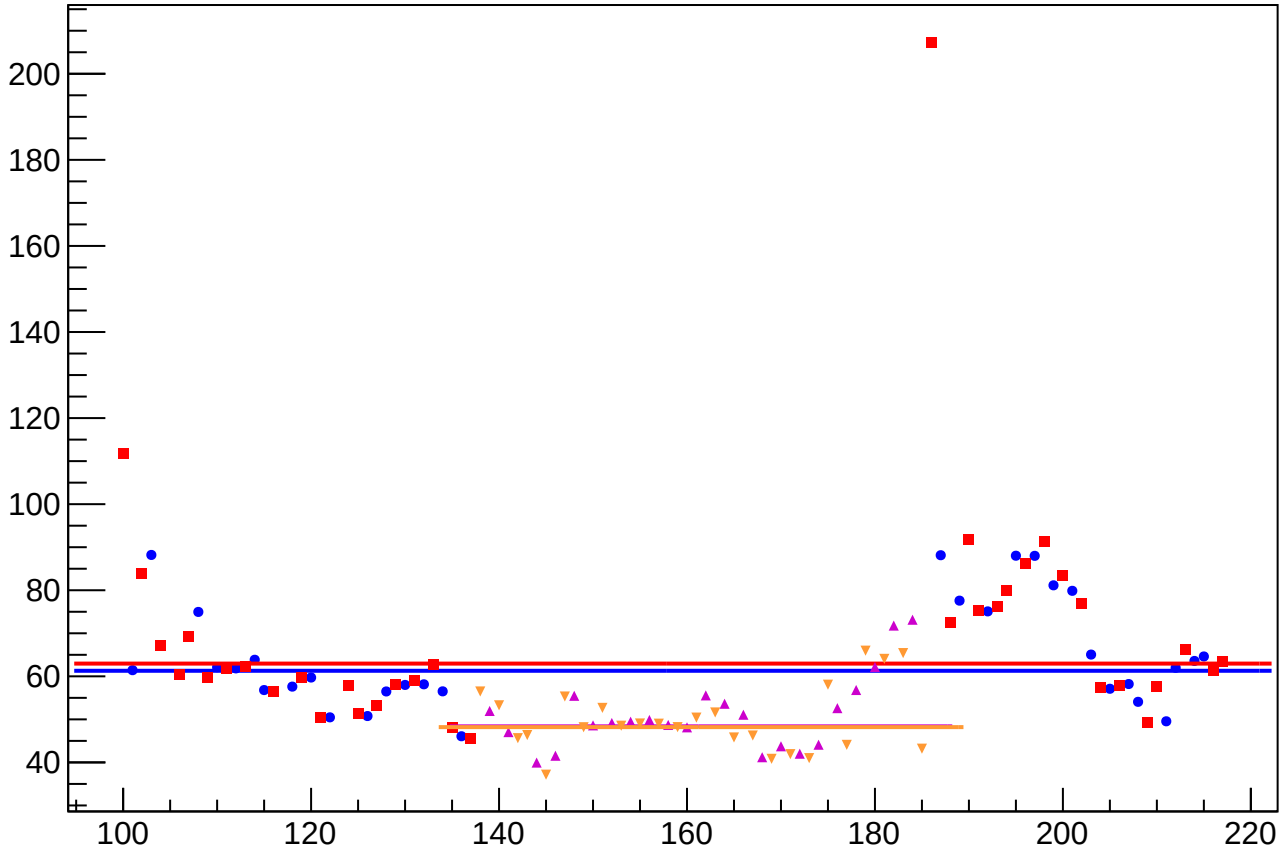
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -4.029+/-8.767 χ^2/NDF: 77.0/55

All: -6.928+/-6.256 χ^2/NDF: 172.9/114

- sign -9.935+/-8.928 χ^2/NDF: 95.6/58

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.290+/-0.010 χ^2/NDF: 1220799.7/30

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

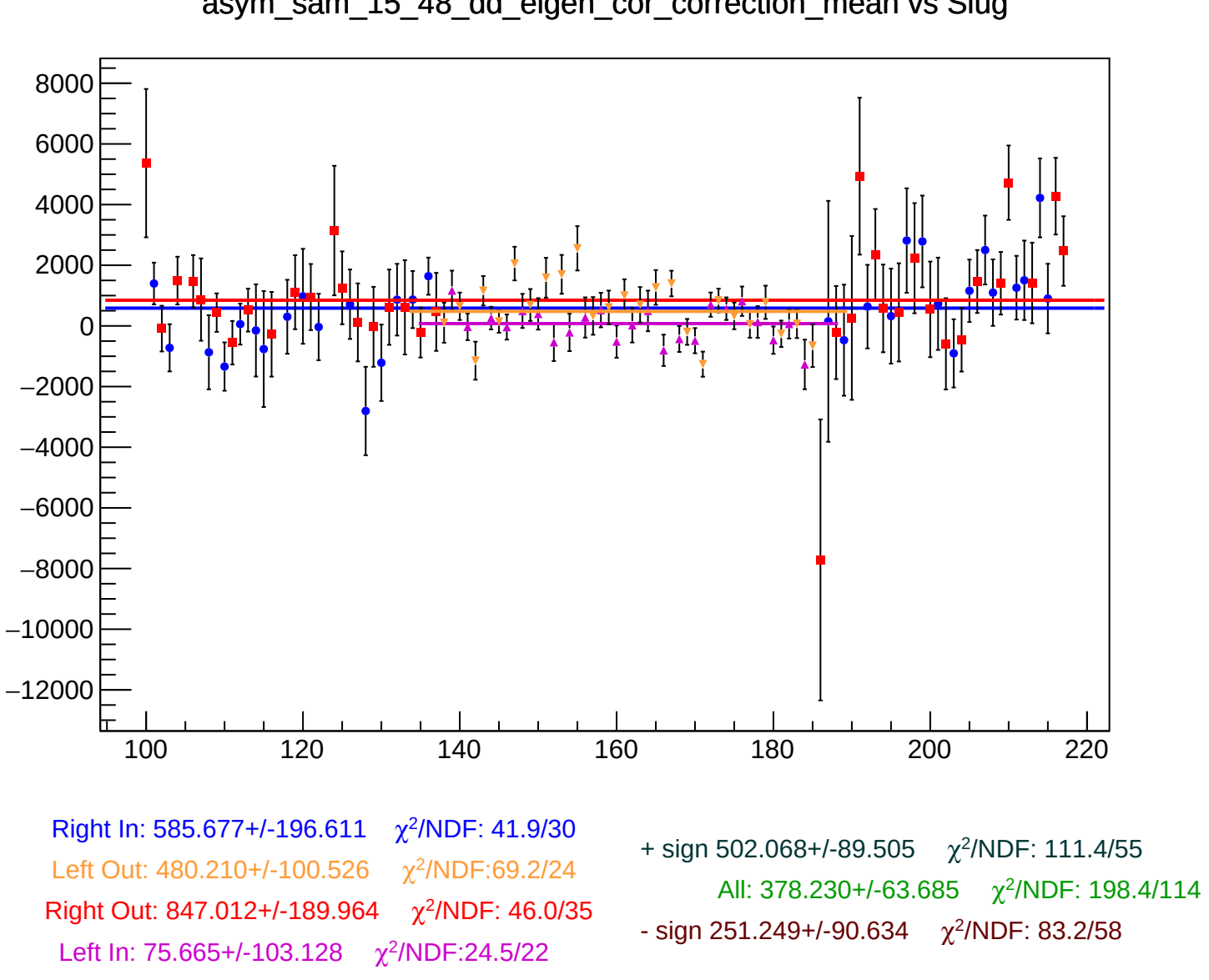
Right Out: 62.960+/-0.010 χ^2/NDF: 1655011.4/35

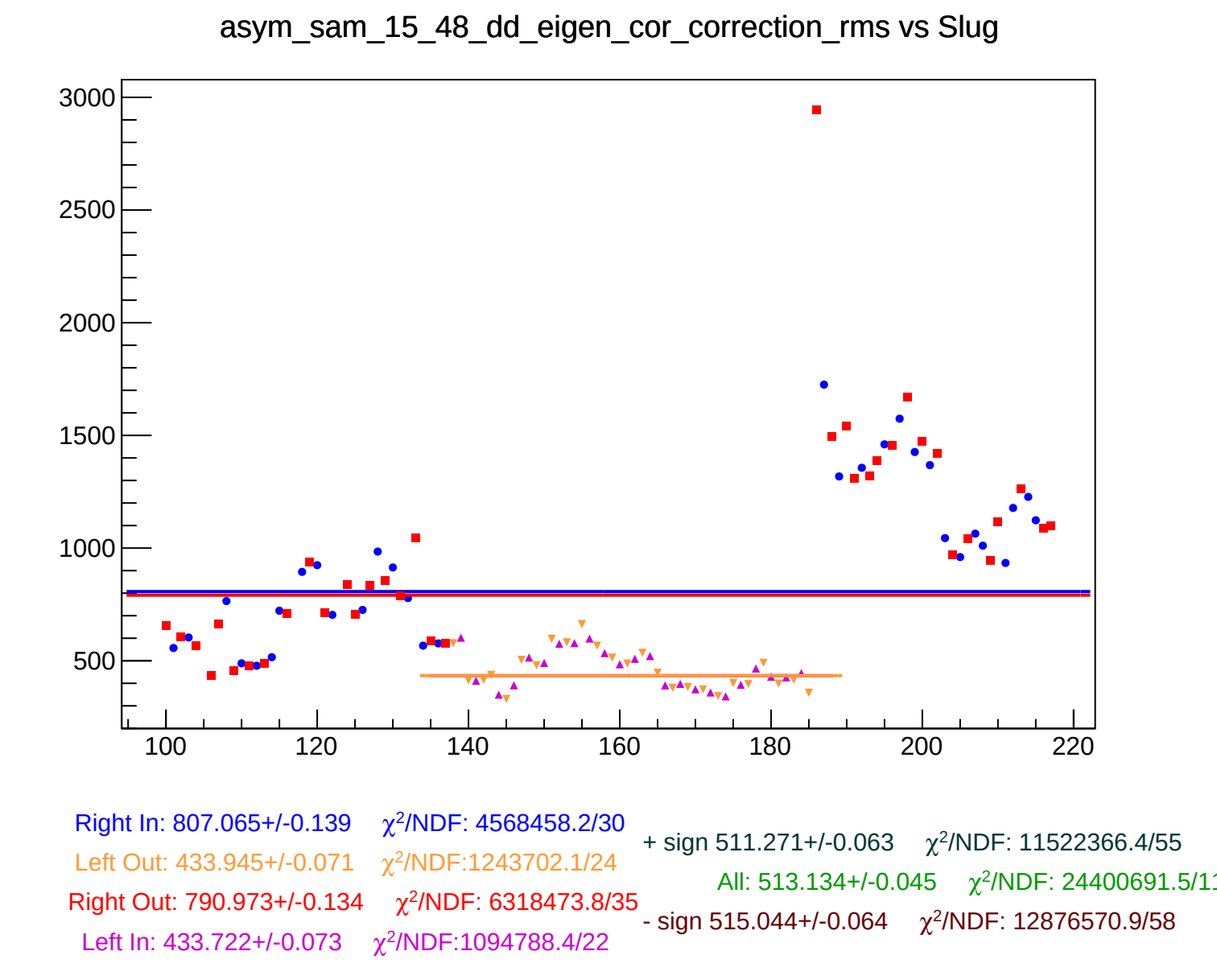
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.151+/-0.006 χ^2/NDF: 3049868.9/55

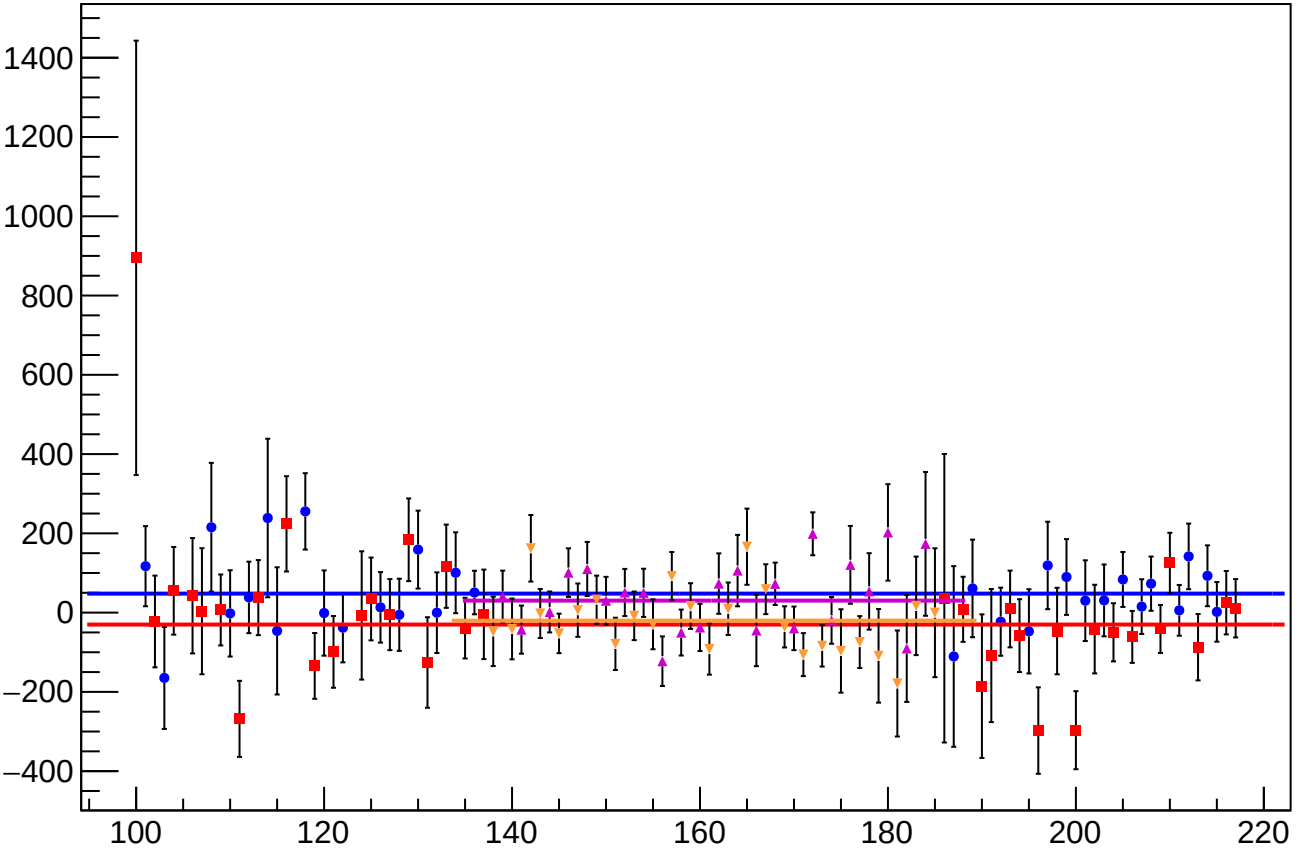
All: 53.630+/-0.004 χ^2/NDF: 6685956.1/114

- sign 54.128+/-0.006 χ^2/NDF: 3623904.7/58


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 585.677+/-196.611 χ²/NDF: 41.9/30
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 847.012+/-189.964 χ²/NDF: 46.0/35
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 502.068+/-89.505 χ²/NDF: 111.4/55
All: 378.230+/-63.685 χ²/NDF: 198.4/114
- sign 251.249+/-90.634 χ²/NDF: 83.2/58


asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 807.065+/-0.139 χ²/NDF: 4568458.2/30
Left Out: 433.945+/-0.071 χ²/NDF:1243702.1/24
Right Out: 790.973+/-0.134 χ²/NDF: 6318473.8/35
Left In: 433.722+/-0.073 χ²/NDF:1094788.4/22
+ sign 511.271+/-0.063 χ²/NDF: 11522366.4/55
All: 513.134+/-0.045 χ²/NDF: 24400691.5/11
- sign 515.044+/-0.064 χ²/NDF: 12876570.9/58

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.975+/-16.323 χ^2/NDF: 19.5/30

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -30.104+/-16.146 χ^2/NDF: 45.2/35

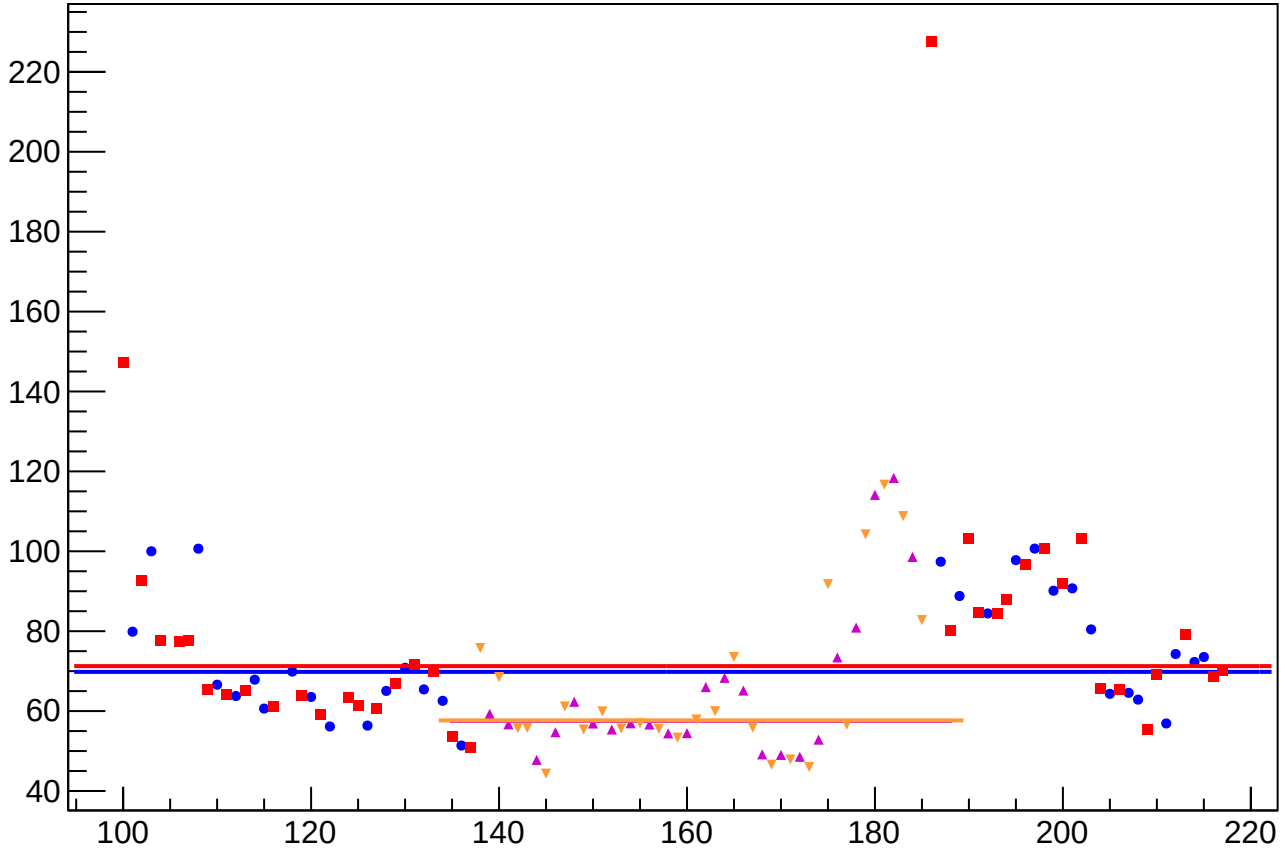
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 7.781+/-10.465 χ^2/NDF: 55.0/55

All: 6.123+/-7.436 χ^2/NDF: 140.8/114

- sign 4.432+/-10.568 χ^2/NDF: 85.8/58

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.813+/-0.012 χ^2/NDF: 1336251.4/30

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.259+/-0.011 χ^2/NDF: 1700534.6/35

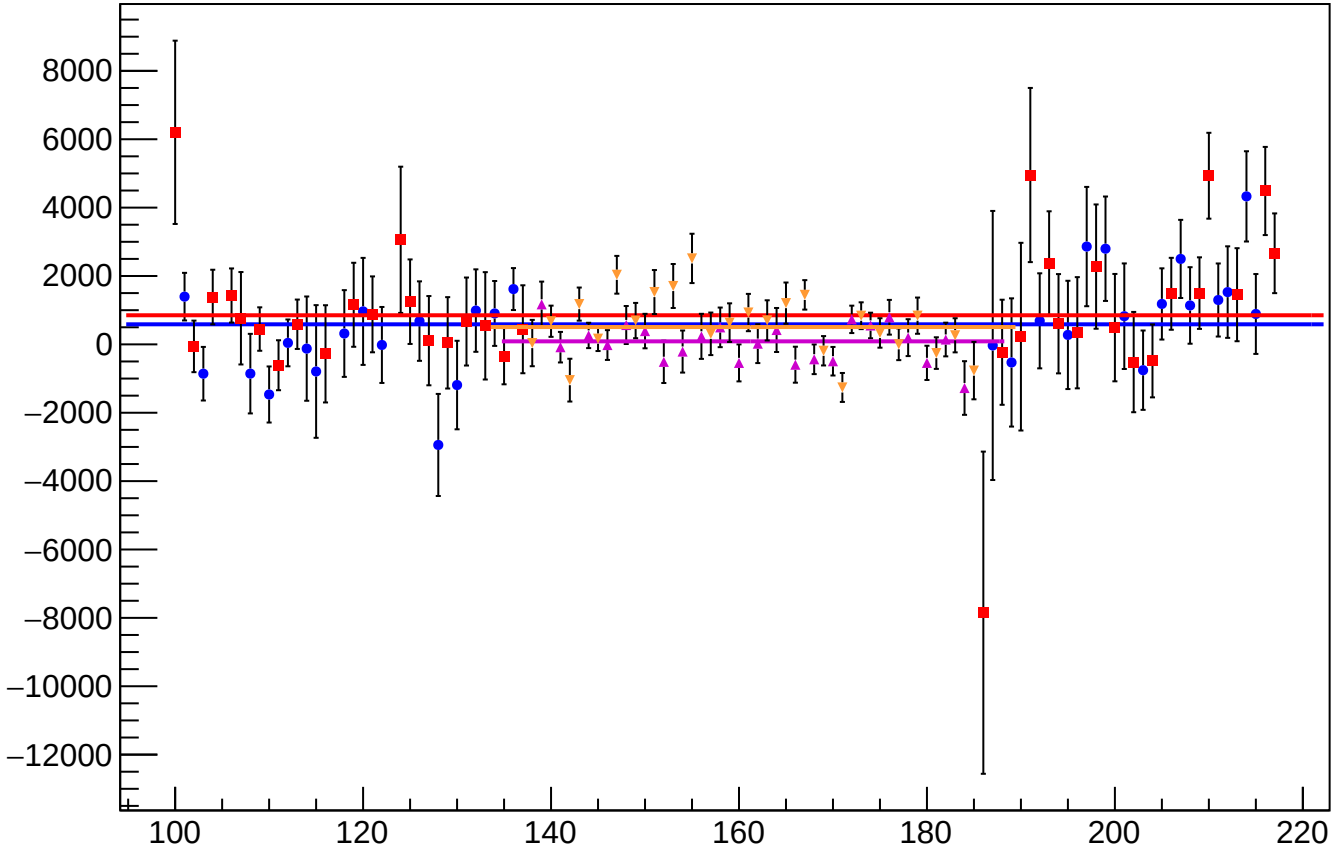
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.660+/-0.007 χ^2/NDF: 3898103.8/55

All: 63.035+/-0.005 χ^2/NDF: 7872409.4/114

- sign 63.417+/-0.007 χ^2/NDF: 3969127.7/58

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 586.888+/-199.066 χ^2/NDF: 42.8/30

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 851.395+/-191.117 χ^2/NDF: 48.4/35

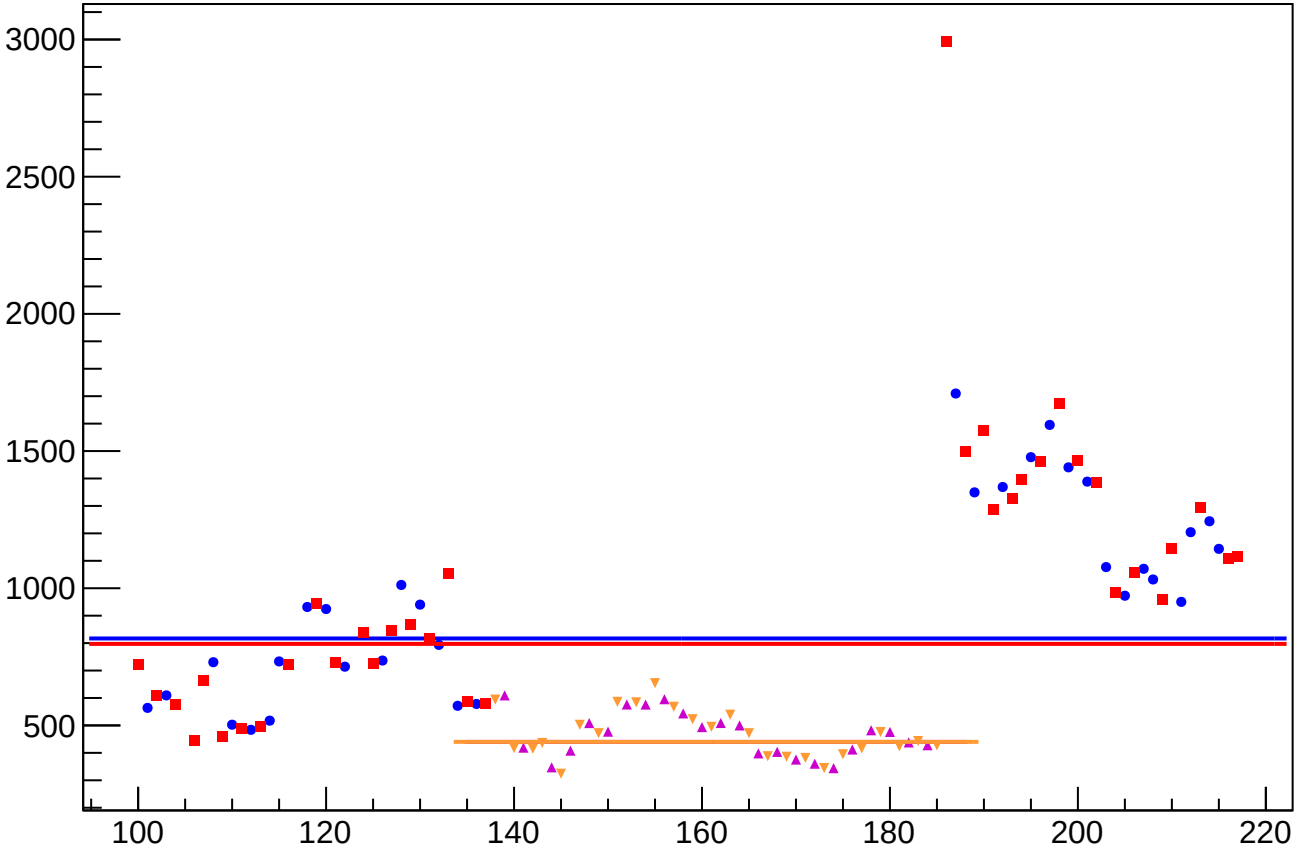
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 523.690+/-90.619 χ^2/NDF: 108.8/55

All: 395.494+/-64.462 χ^2/NDF: 196.8/114

- sign 264.175+/-91.717 χ^2/NDF: 84.0/58

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 816.927+/-0.141 χ^2/NDF: 4620890.3/30

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 797.163+/-0.135 χ^2/NDF: 6339325.1/35

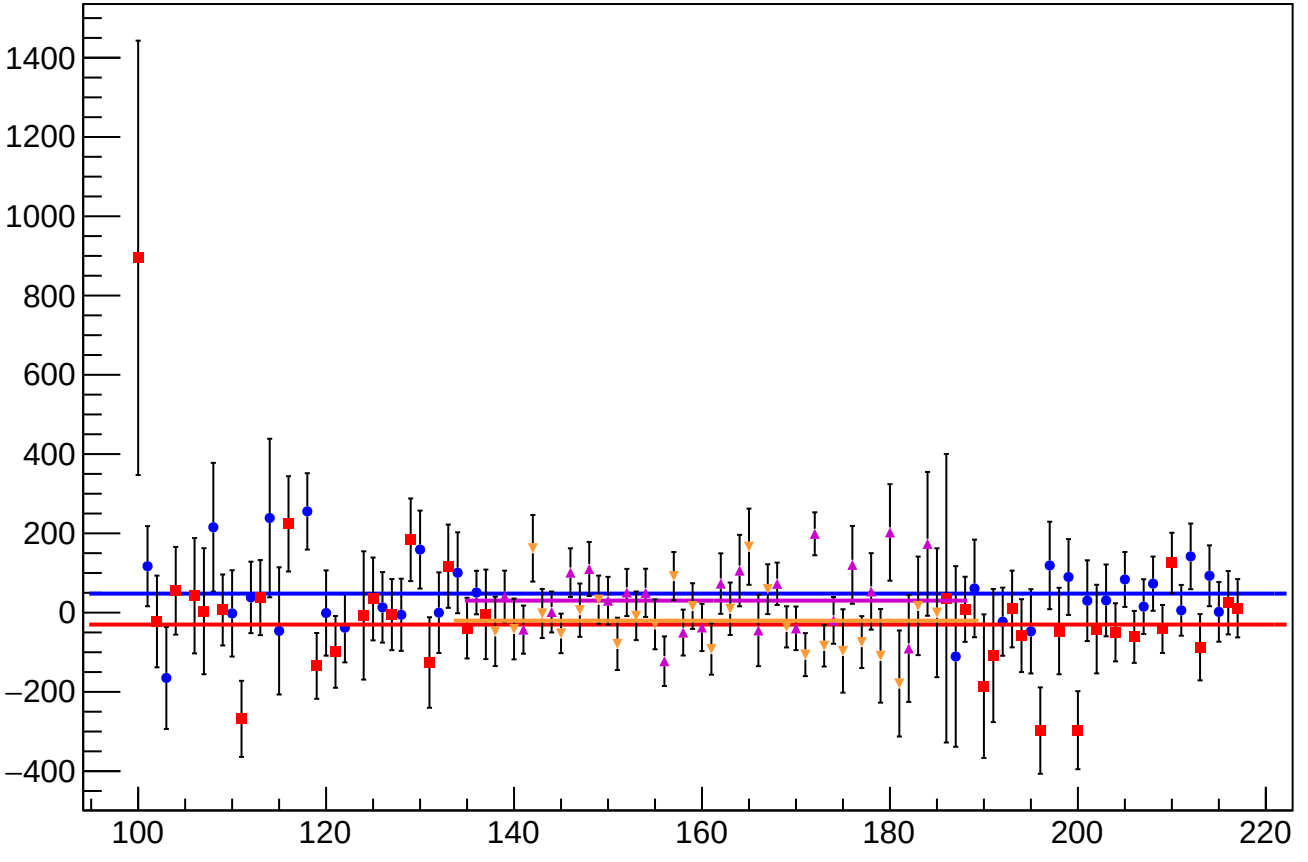
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 518.169+/-0.064 χ^2/NDF: 11500181.0/55

All: 520.141+/-0.046 χ^2/NDF: 24283323.5/11

- sign 522.161+/-0.065 χ^2/NDF: 12781225.7/58

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.973+/-16.323 χ^2/NDF: 19.5/30

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -30.105+/-16.146 χ^2/NDF: 45.2/35

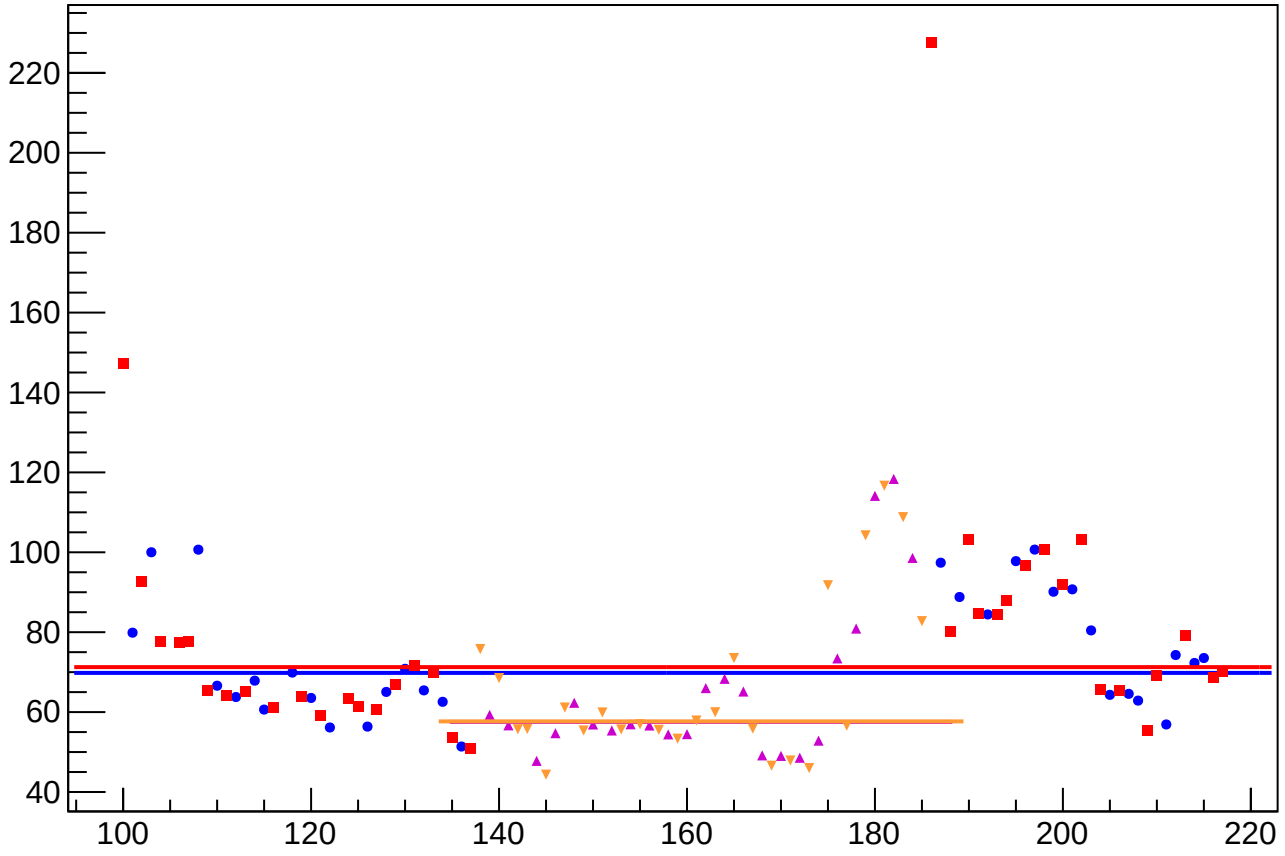
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 7.780+/-10.465 χ^2/NDF: 55.0/55

All: 6.122+/-7.436 χ^2/NDF: 140.8/114

- sign 4.431+/-10.568 χ^2/NDF: 85.8/58

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.813+/-0.012 χ^2/NDF: 1336224.6/30

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

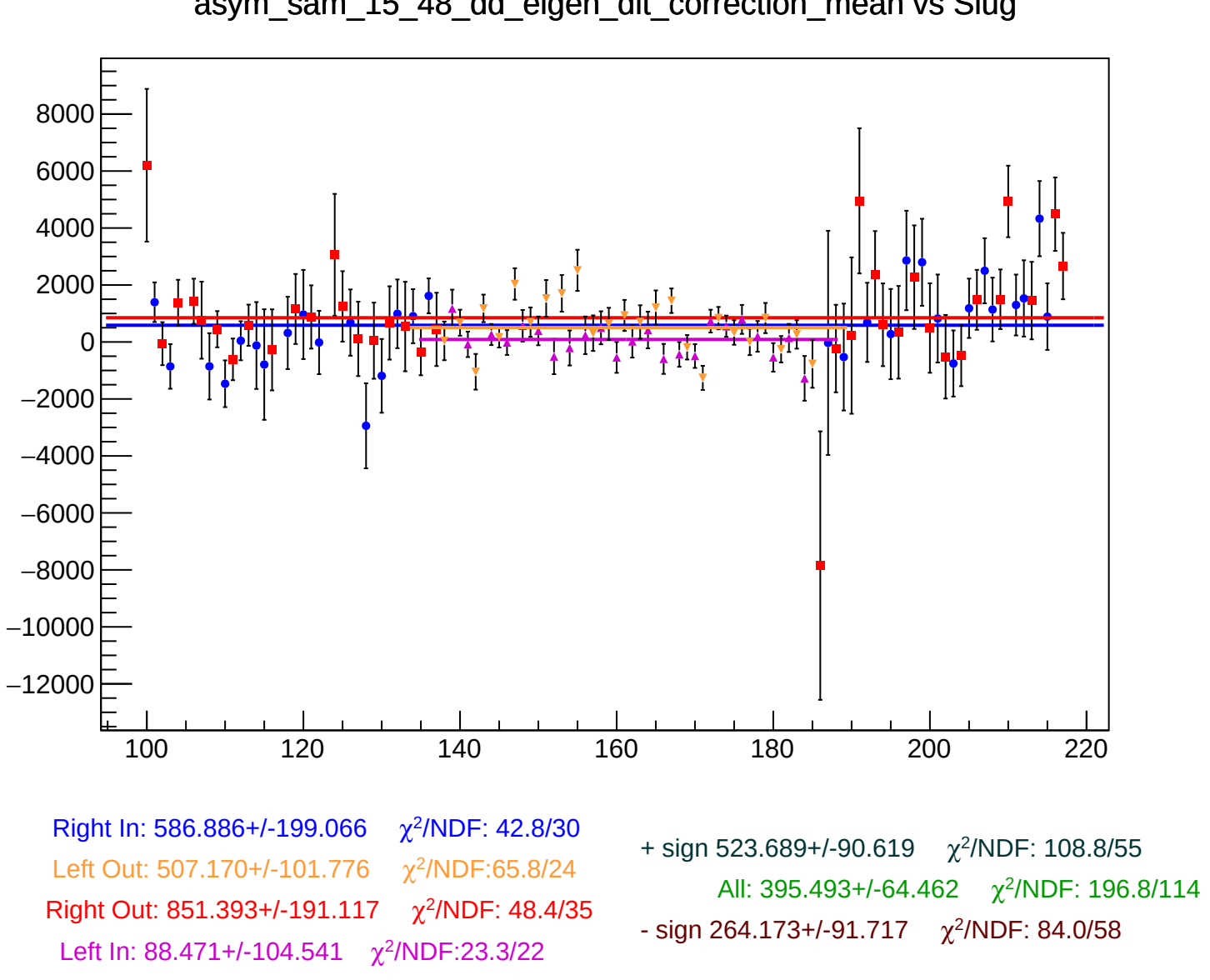
Right Out: 71.259+/-0.011 χ^2/NDF: 1700538.7/35

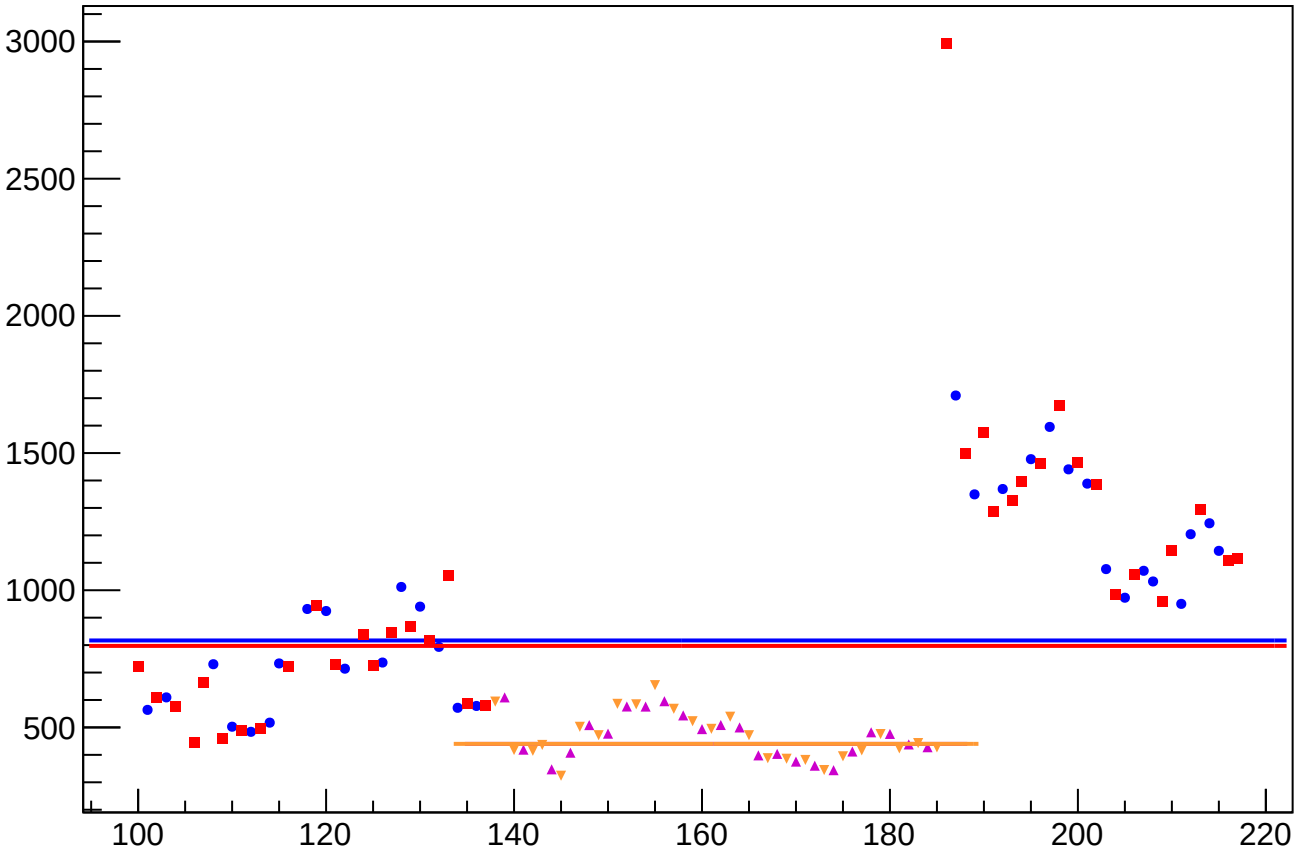
Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.660+/-0.007 χ^2/NDF: 3898054.6/55

All: 63.035+/-0.005 χ^2/NDF: 7872337.3/114

- sign 63.417+/-0.007 χ^2/NDF: 3969105.4/58


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 586.886+/-199.066 χ²/NDF: 42.8/30
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: 851.393+/-191.117 χ²/NDF: 48.4/35
Left In: 88.471+/-104.541 χ²/NDF:23.3/22
+ sign 523.689+/-90.619 χ²/NDF: 108.8/55
All: 395.493+/-64.462 χ²/NDF: 196.8/114
- sign 264.173+/-91.717 χ²/NDF: 84.0/58



Right In: 816.926+/-0.141 χ^2/NDF: 4620895.2/30

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 797.162+/-0.135 χ^2/NDF: 6339332.7/35

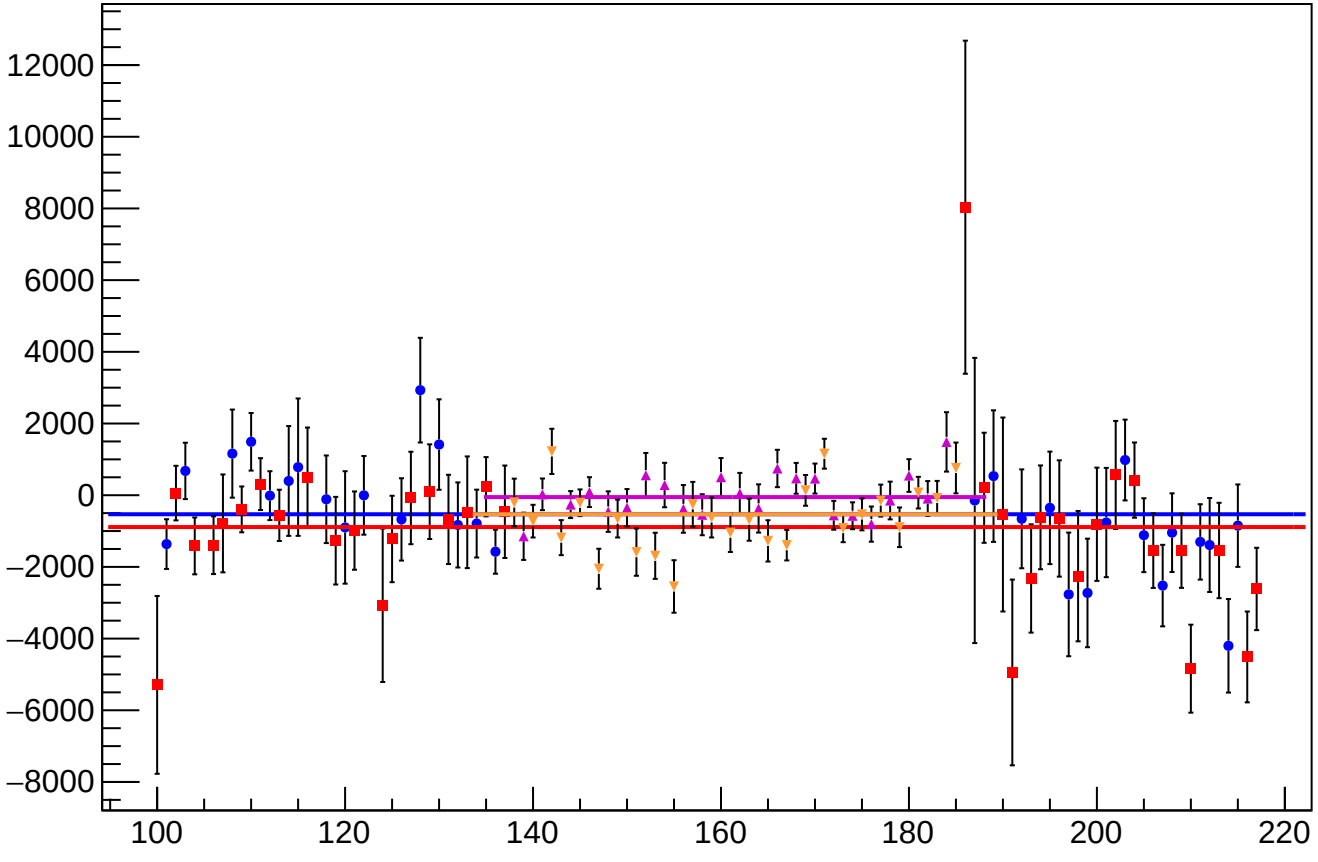
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 518.168+/-0.064 χ^2/NDF: 11500214.9/55

All: 520.140+/-0.046 χ^2/NDF: 24283396.7/11

- sign 522.159+/-0.065 χ^2/NDF: 12781265.2/58

asym_sam_15_48_dd_mean vs Slug



Right In: -531.206+/-197.461 χ^2/NDF: 43.4/30

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -888.624+/-190.138 χ^2/NDF: 46.8/35

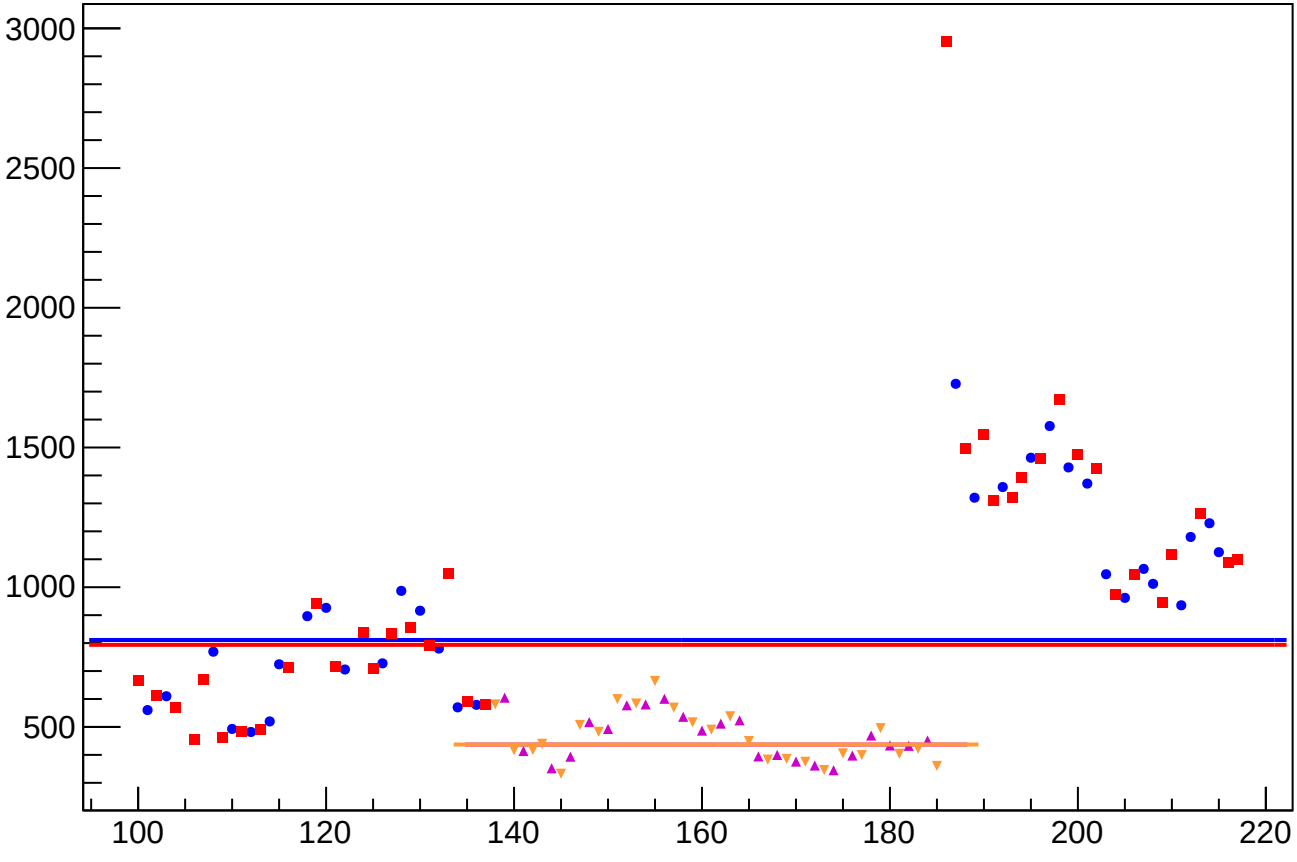
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -531.494+/-90.093 χ^2/NDF: 109.0/55

All: -389.785+/-64.078 χ^2/NDF: 199.8/114

- sign -244.715+/-91.155 χ^2/NDF: 85.8/58

asym_sam_15_48_dd_rms vs Slug



Right In: 811.223+/-0.140 χ^2/NDF: 4514346.5/30

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

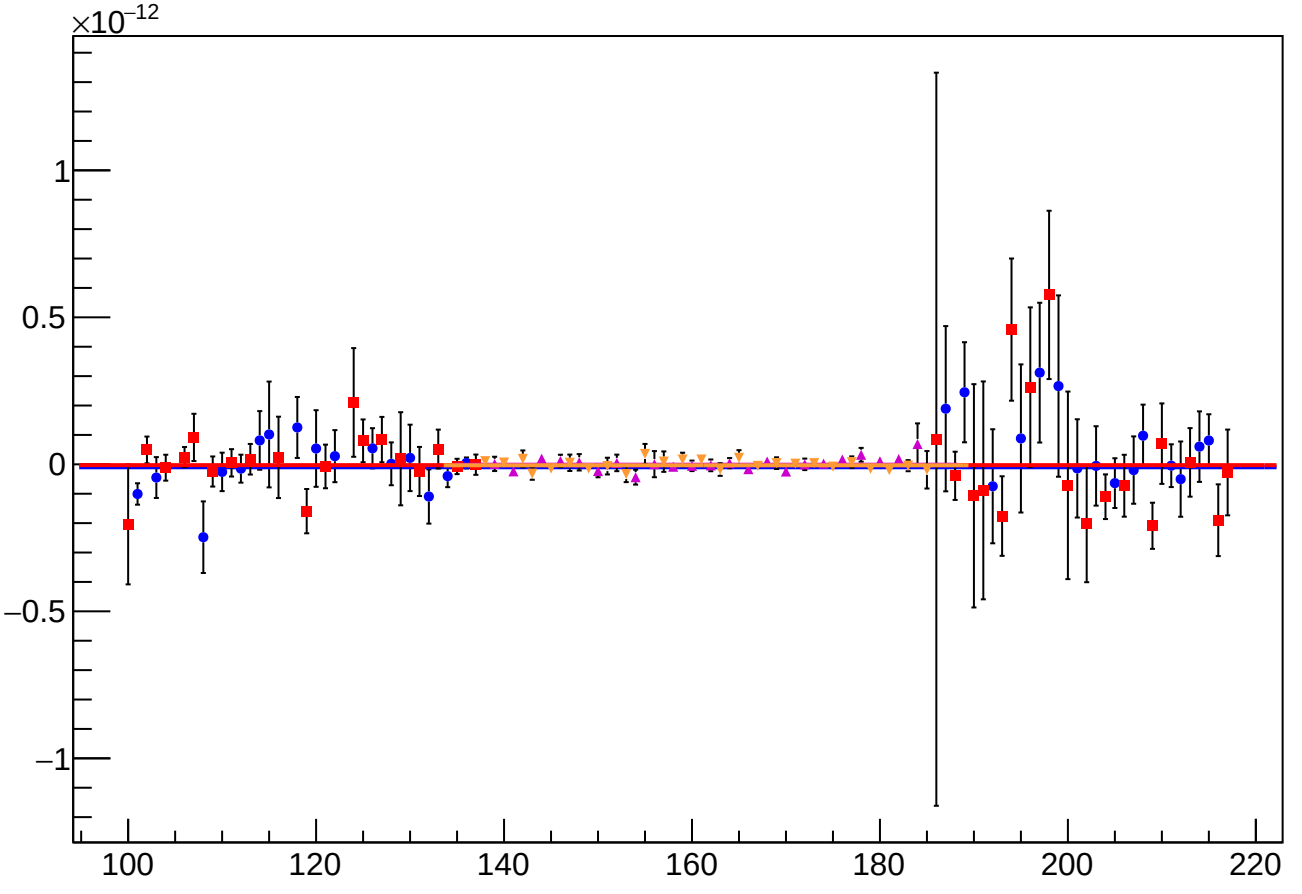
Right Out: 793.831+/-0.134 χ^2/NDF: 6263078.3/35

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 515.026+/-0.064 χ^2/NDF: 11425035.2/55

All: 516.973+/-0.045 χ^2/NDF: 24196931.6/11

- sign 518.965+/-0.064 χ^2/NDF: 12770006.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

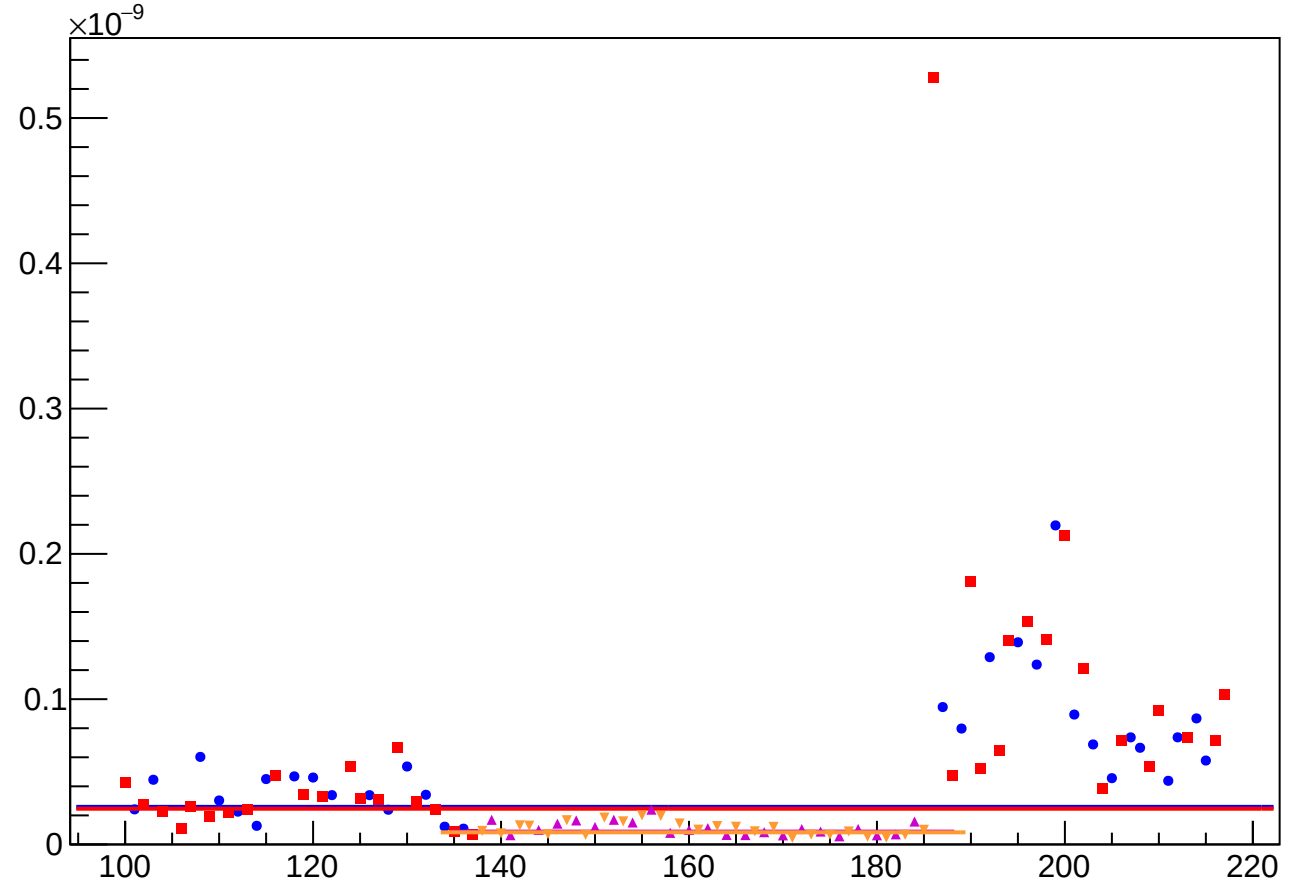
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/35

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.3/55

All: -0.000+/-0.000 χ^2/NDF: 100.1/114

- sign -0.000+/-0.000 χ^2/NDF: 59.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7086513.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7840193.4/35

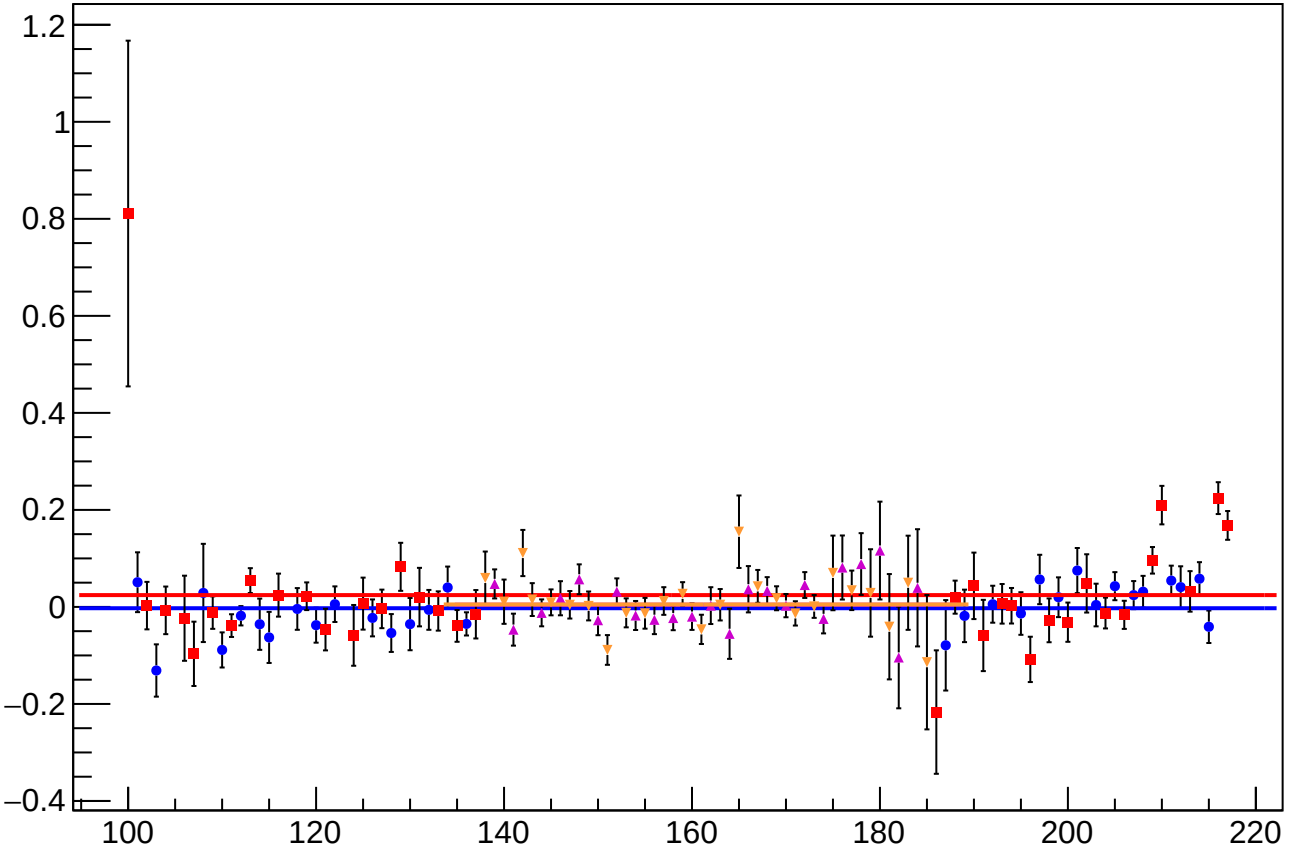
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13391593.7/55

All: 0.000+/-0.000 χ^2/NDF: 26389075.0/114

- sign 0.000+/-0.000 χ^2/NDF: 12967101.9/58

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

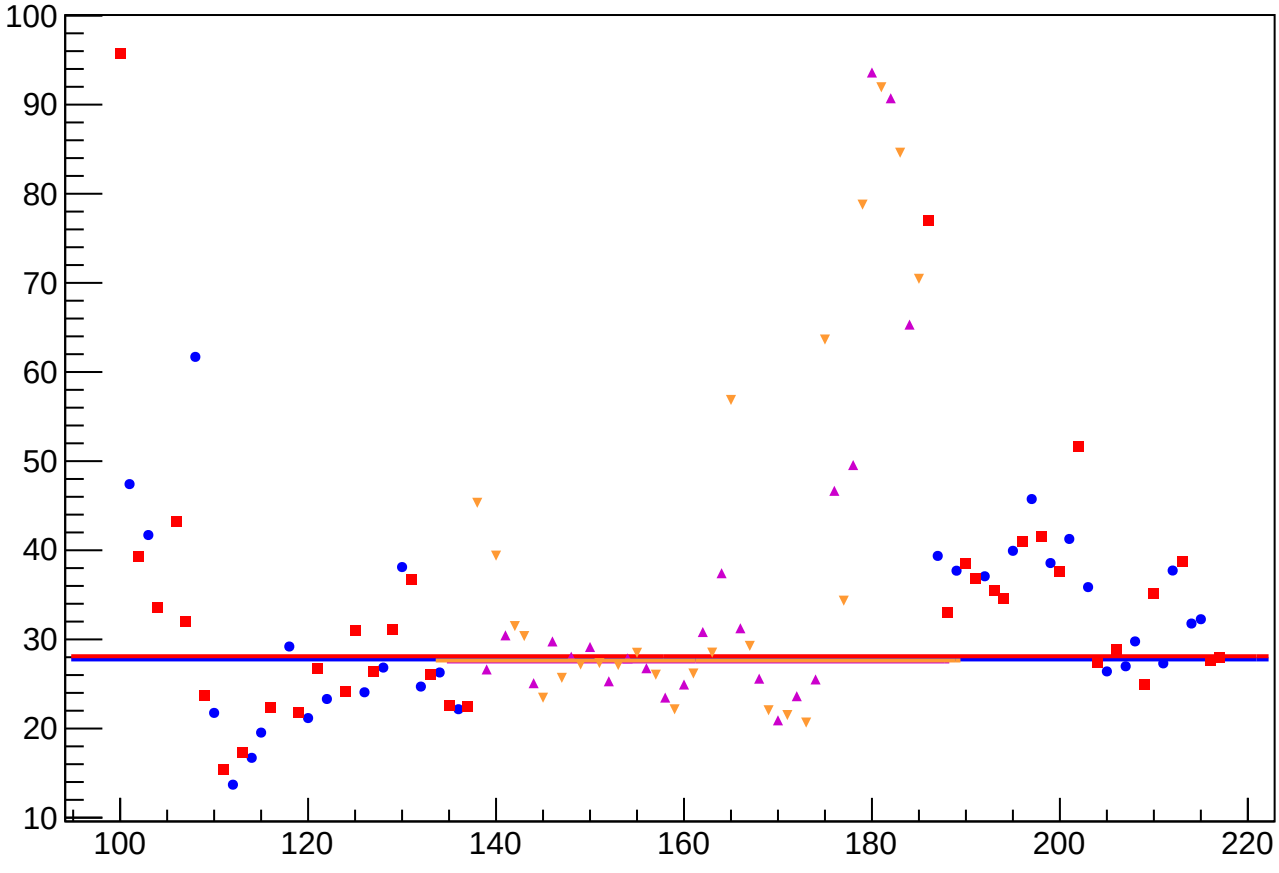
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.001+/-0.005 χ^2/NDF: 68.4/55

All: 0.008+/-0.003 χ^2/NDF: 241.8/114

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.753+/-0.005 χ^2/NDF: 3247381.3/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

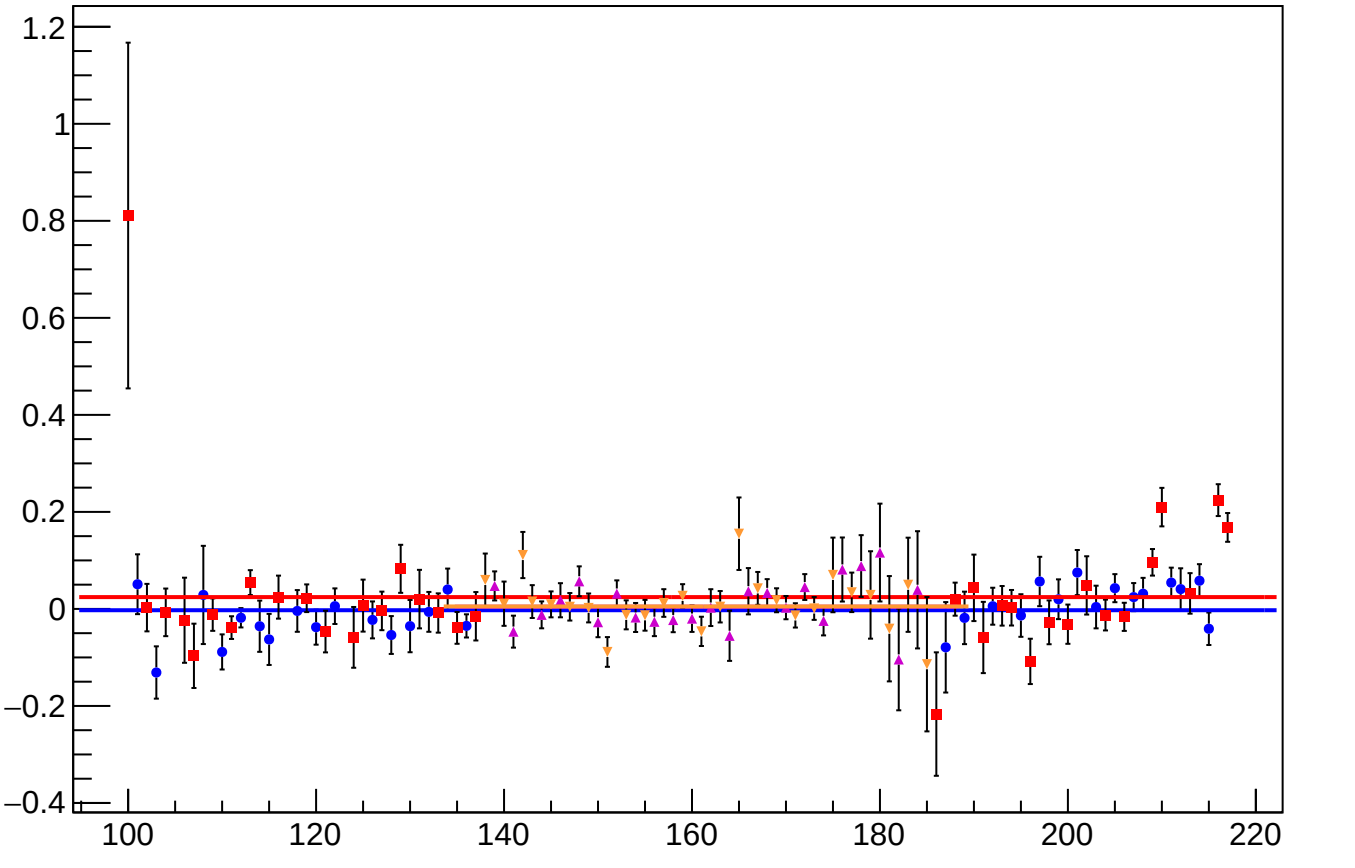
Right Out: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.694+/-0.003 χ^2/NDF: 7221765.4/55

All: 27.765+/-0.002 χ^2/NDF: 12910893.1/114

- sign 27.834+/-0.003 χ^2/NDF: 5688283.9/58



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

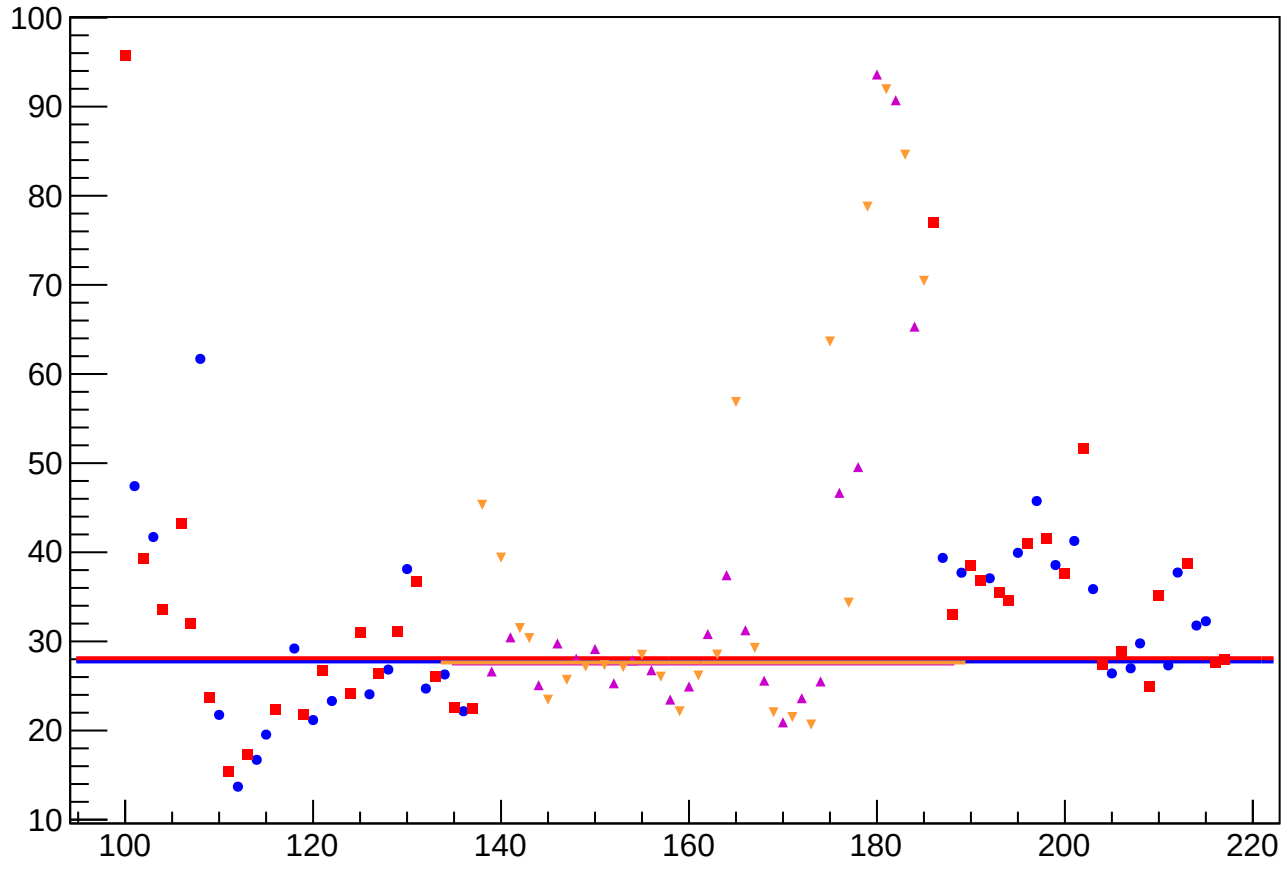
Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.001+/-0.005 χ^2/NDF: 68.4/55

All: 0.008+/-0.003 χ^2/NDF: 241.8/114

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58



Right In: 27.753+/-0.005 χ^2/NDF: 3247381.3/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

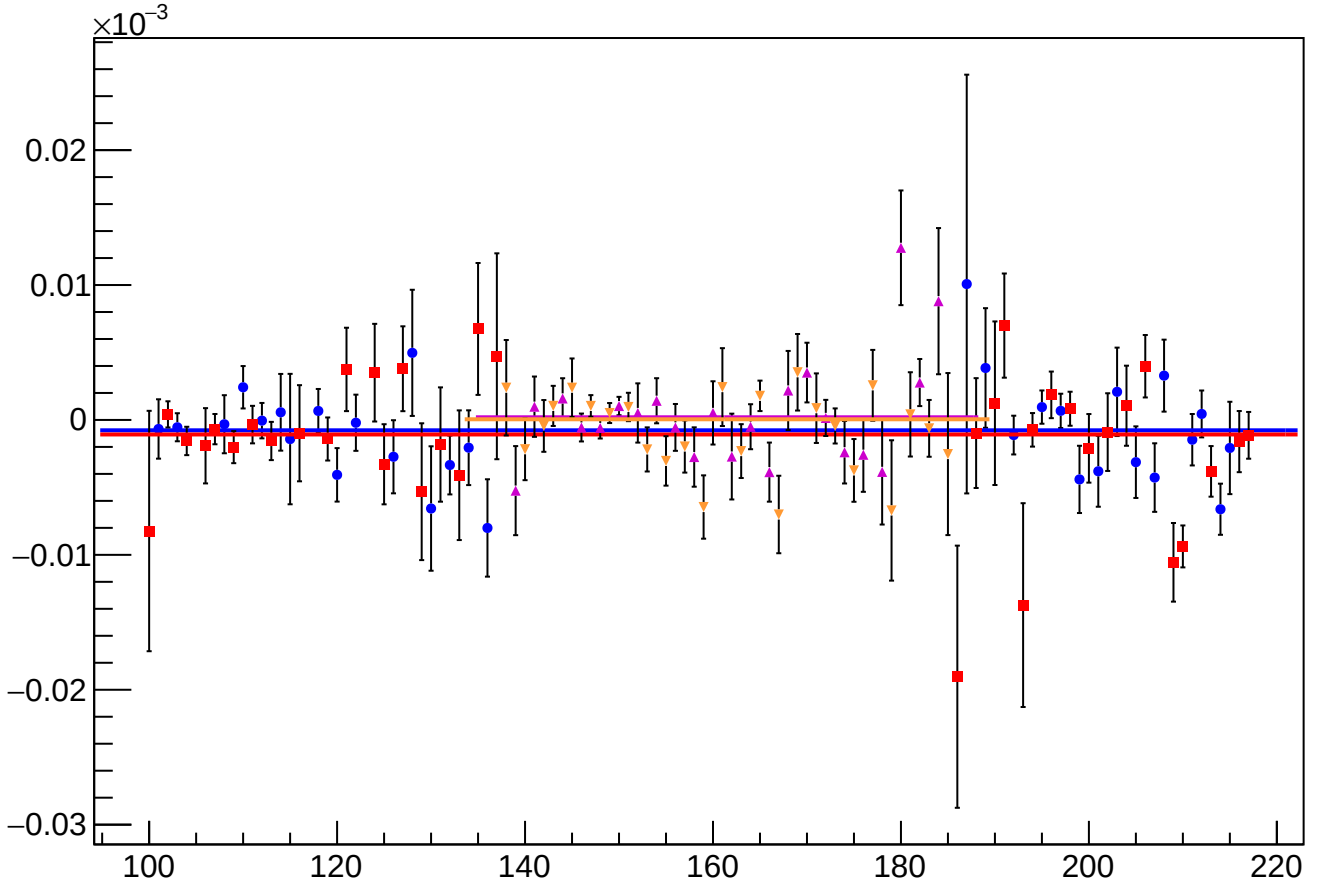
Right Out: 28.112+/-0.005 χ^2/NDF: 3046266.3/35

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.694+/-0.003 χ^2/NDF: 7221765.4/55

All: 27.765+/-0.002 χ^2/NDF: 12910893.1/114

- sign 27.834+/-0.003 χ^2/NDF: 5688283.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

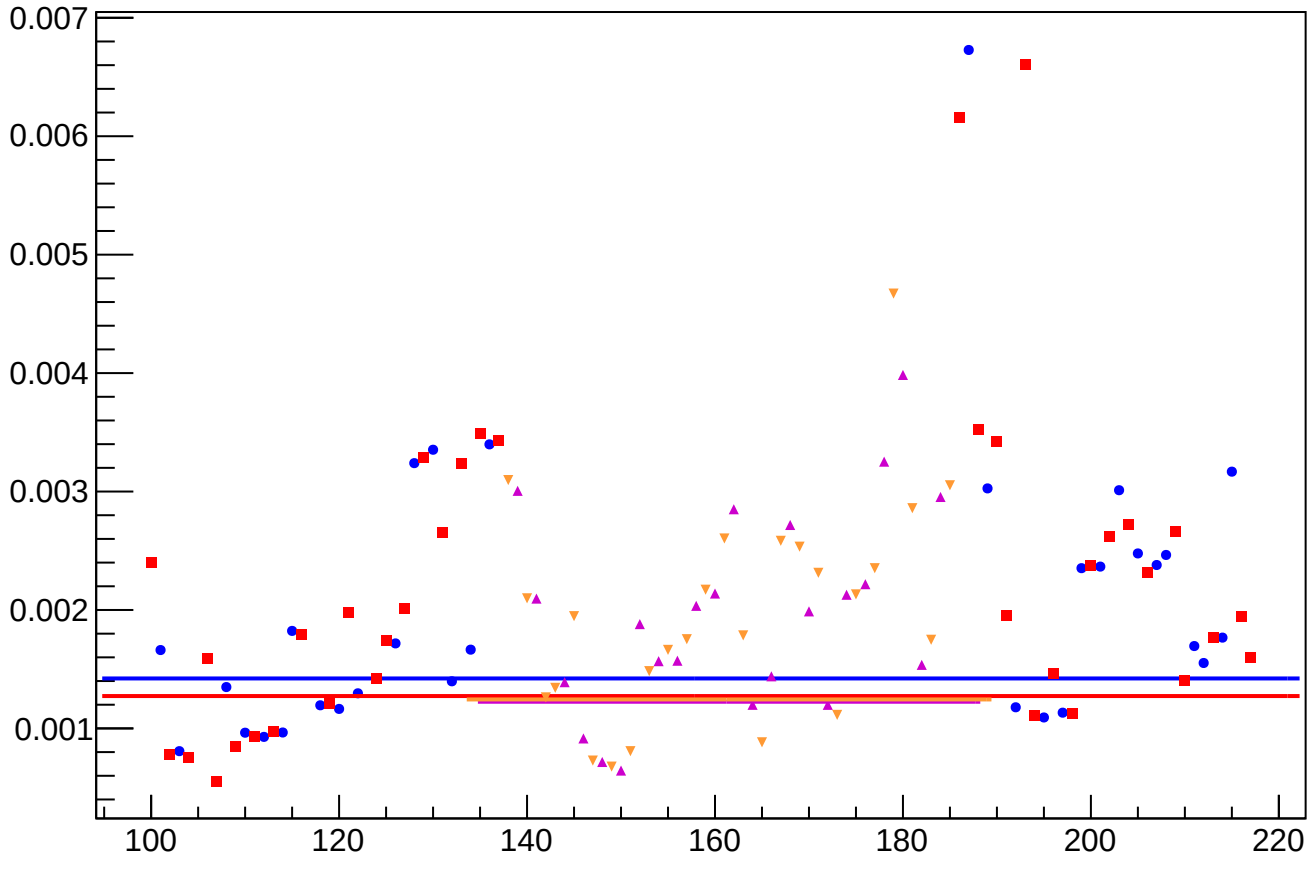
Right Out: -0.000+/-0.000 χ^2/NDF: 78.5/35

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.8/55

All: -0.000+/-0.000 χ^2/NDF: 201.2/114

- sign -0.000+/-0.000 χ^2/NDF: 119.2/58



Right In: 0.001+/-0.000 χ^2/NDF: 5965874.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

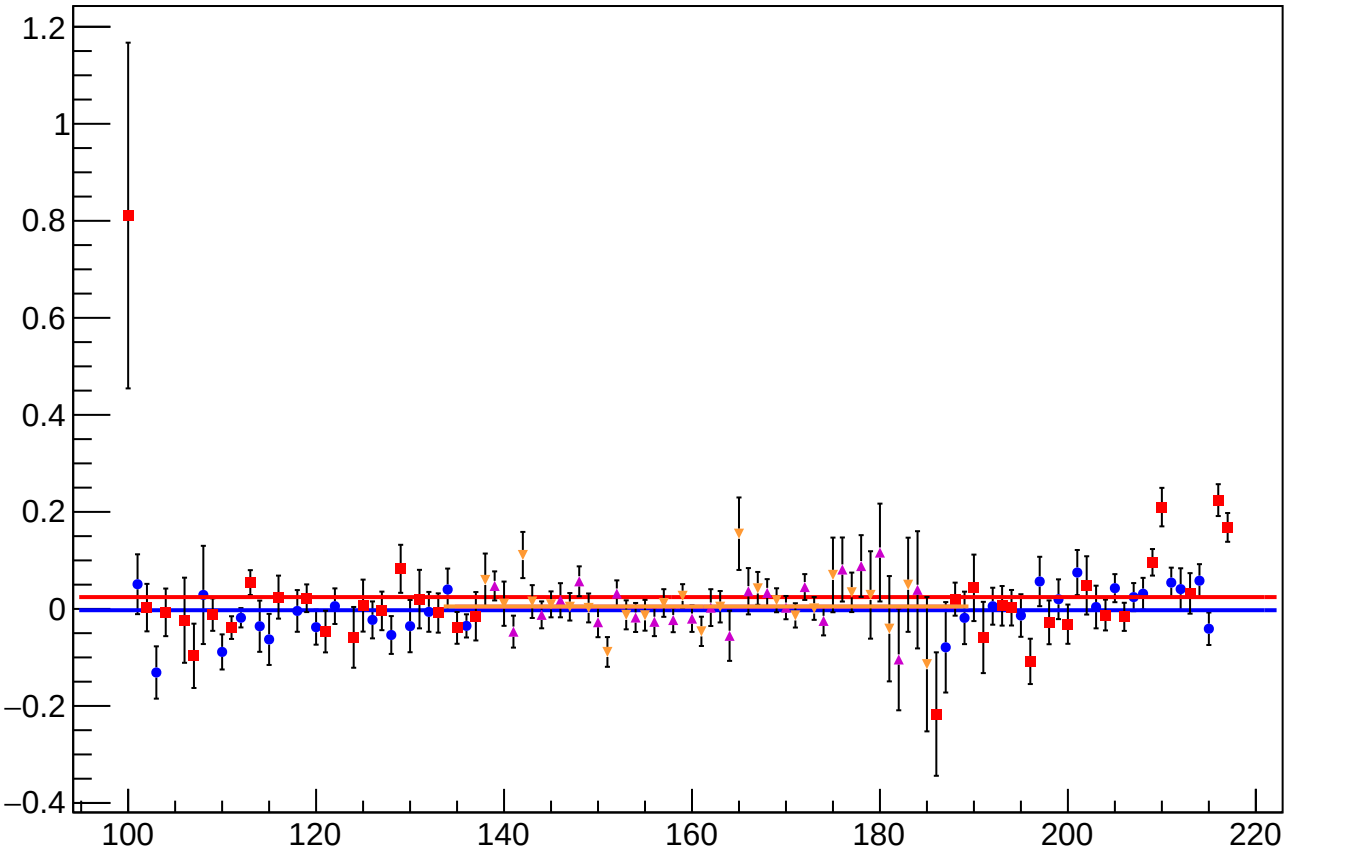
Right Out: 0.001+/-0.000 χ^2/NDF: 9181334.2/35

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 14572563.7/55

All: 0.001+/-0.000 χ^2/NDF: 31695317.7/114

- sign 0.001+/-0.000 χ^2/NDF: 17025455.2/58



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

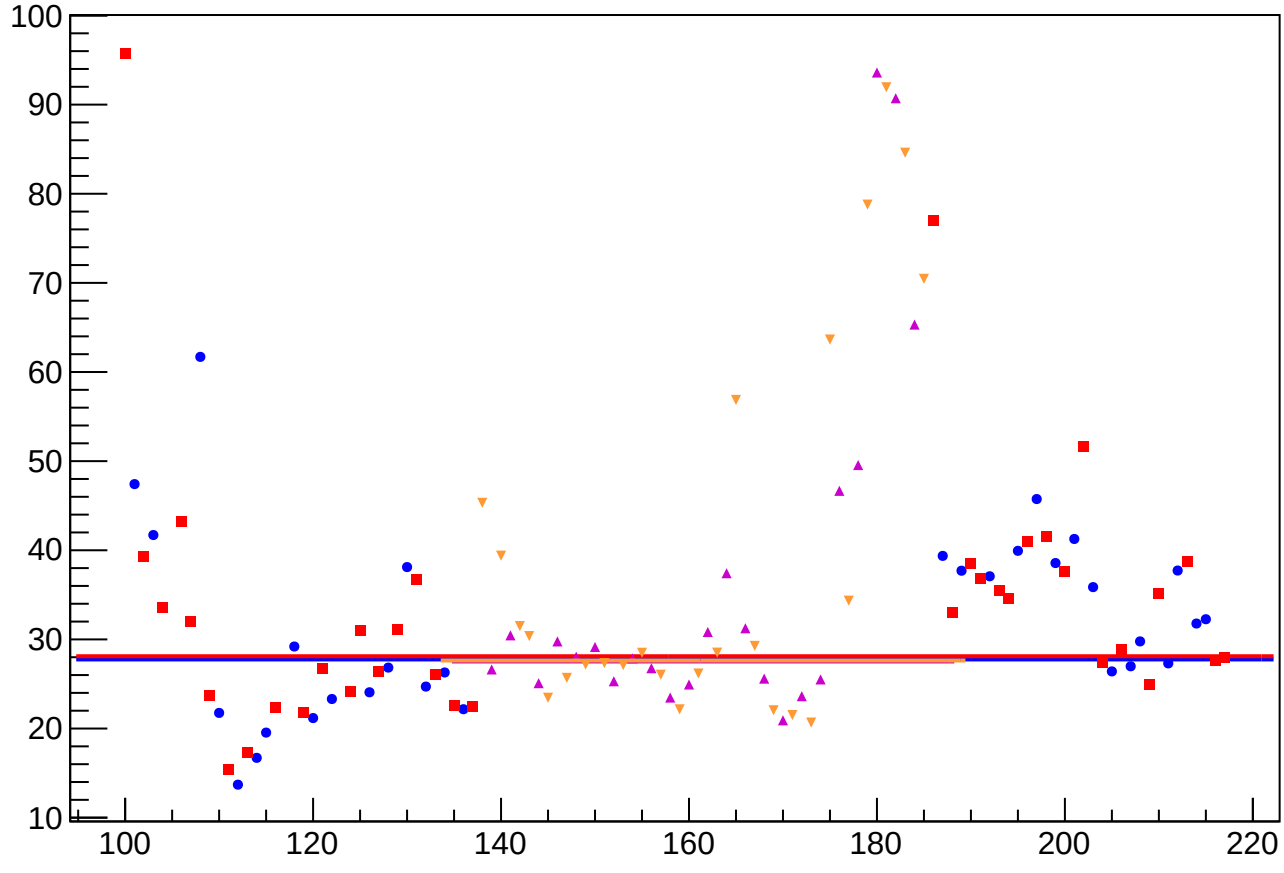
Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.001+/-0.005 χ^2/NDF: 68.4/55

All: 0.008+/-0.003 χ^2/NDF: 241.8/114

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58



Right In: 27.753+/-0.005 χ^2/NDF: 3247358.5/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

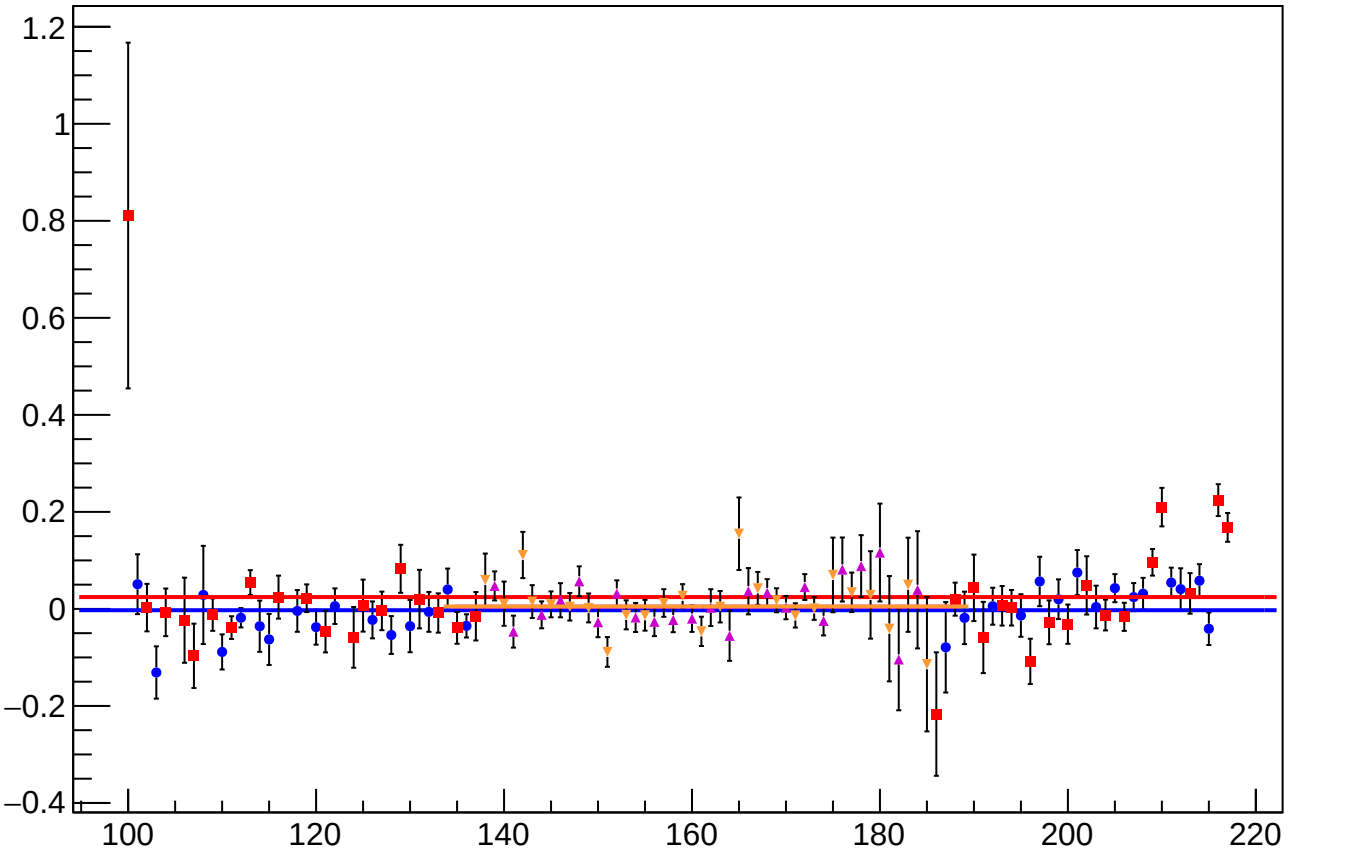
Right Out: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.694+/-0.003 χ^2/NDF: 7221680.9/55

All: 27.765+/-0.002 χ^2/NDF: 12910864.7/114

- sign 27.834+/-0.003 χ^2/NDF: 5688340.5/58



Right In: -0.003+/-0.007 χ^2/NDF: 39.3/30

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

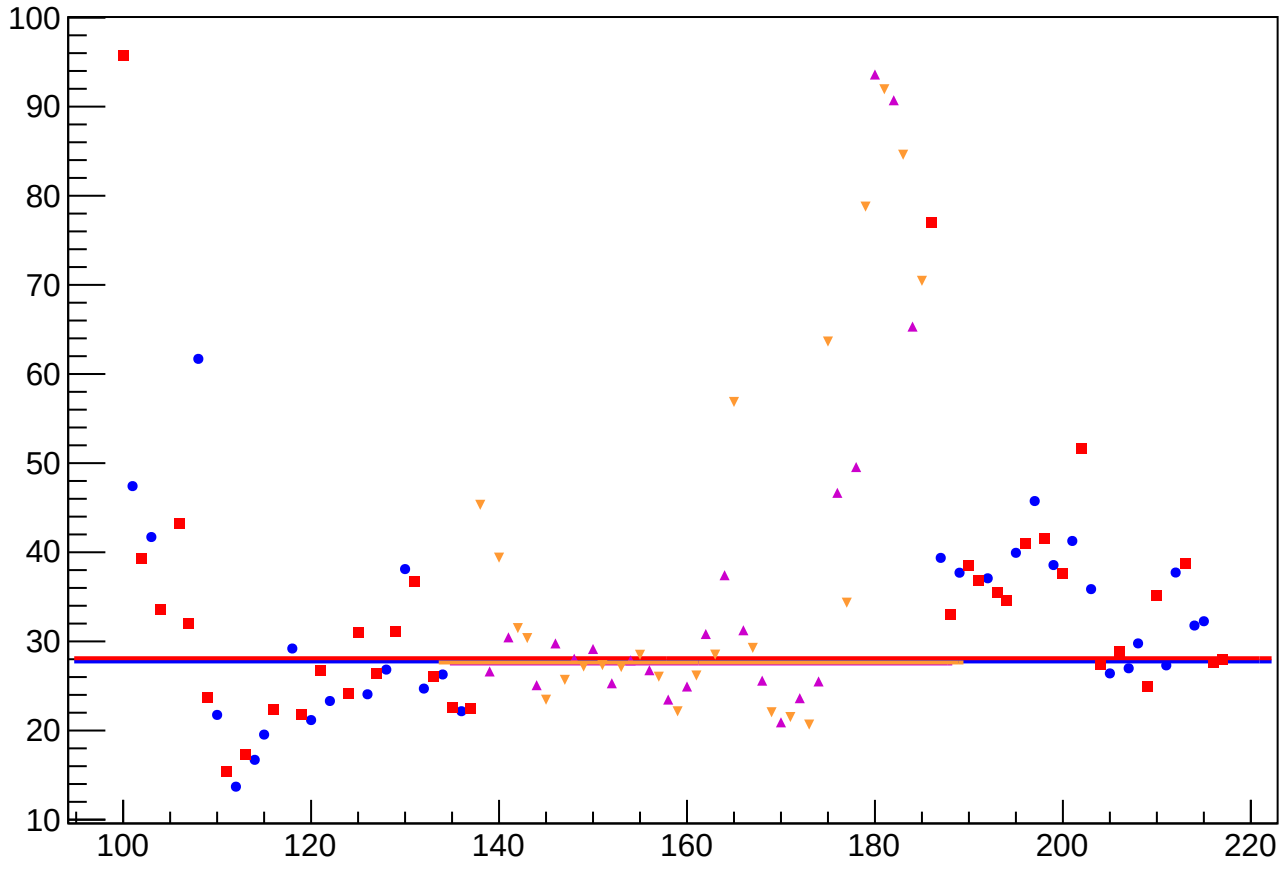
Right Out: 0.024+/-0.007 χ^2/NDF: 140.0/35

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.001+/-0.005 χ^2/NDF: 68.4/55

All: 0.008+/-0.003 χ^2/NDF: 241.8/114

- sign 0.015+/-0.005 χ^2/NDF: 169.3/58



Right In: 27.753+/-0.005 χ^2/NDF: 3247358.5/30

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

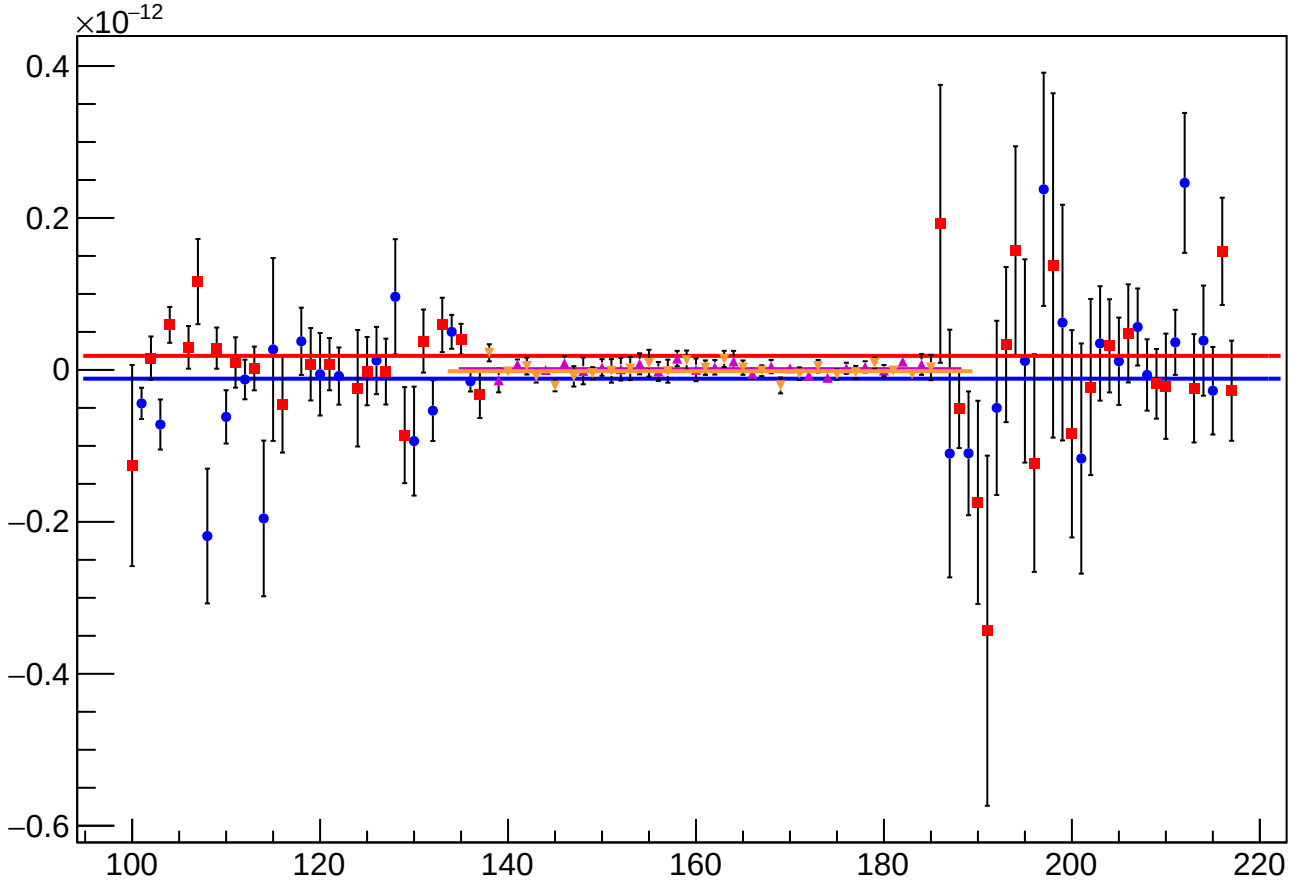
Right Out: 28.112+/-0.005 χ^2/NDF: 3046360.7/35

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.694+/-0.003 χ^2/NDF: 7221680.9/55

All: 27.765+/-0.002 χ^2/NDF: 12910864.7/114

- sign 27.834+/-0.003 χ^2/NDF: 5688340.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 47.7/30

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

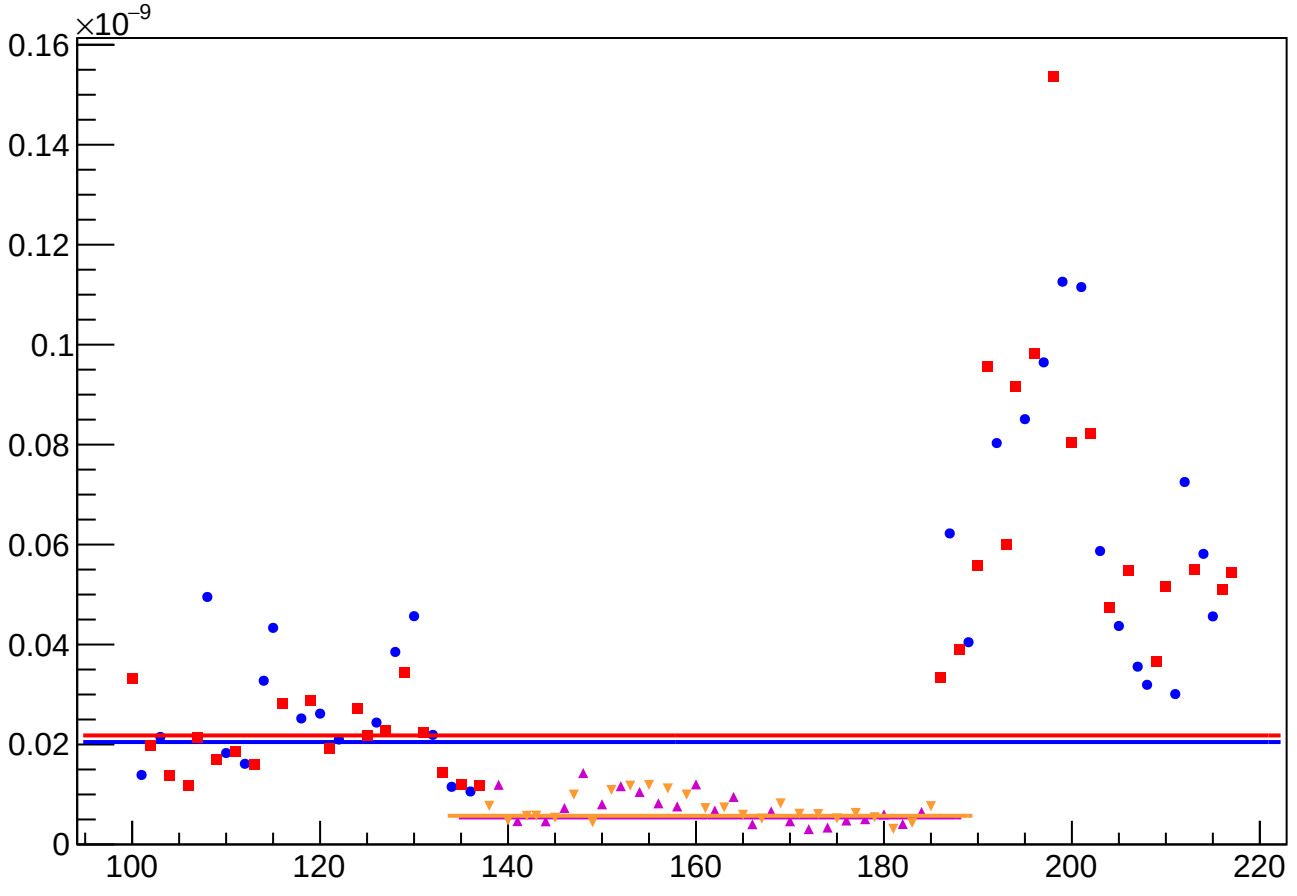
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/35

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.9/55

All: -0.000+/-0.000 χ^2/NDF: 133.3/114

- sign 0.000+/-0.000 χ^2/NDF: 56.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 8413468.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7848386.5/35

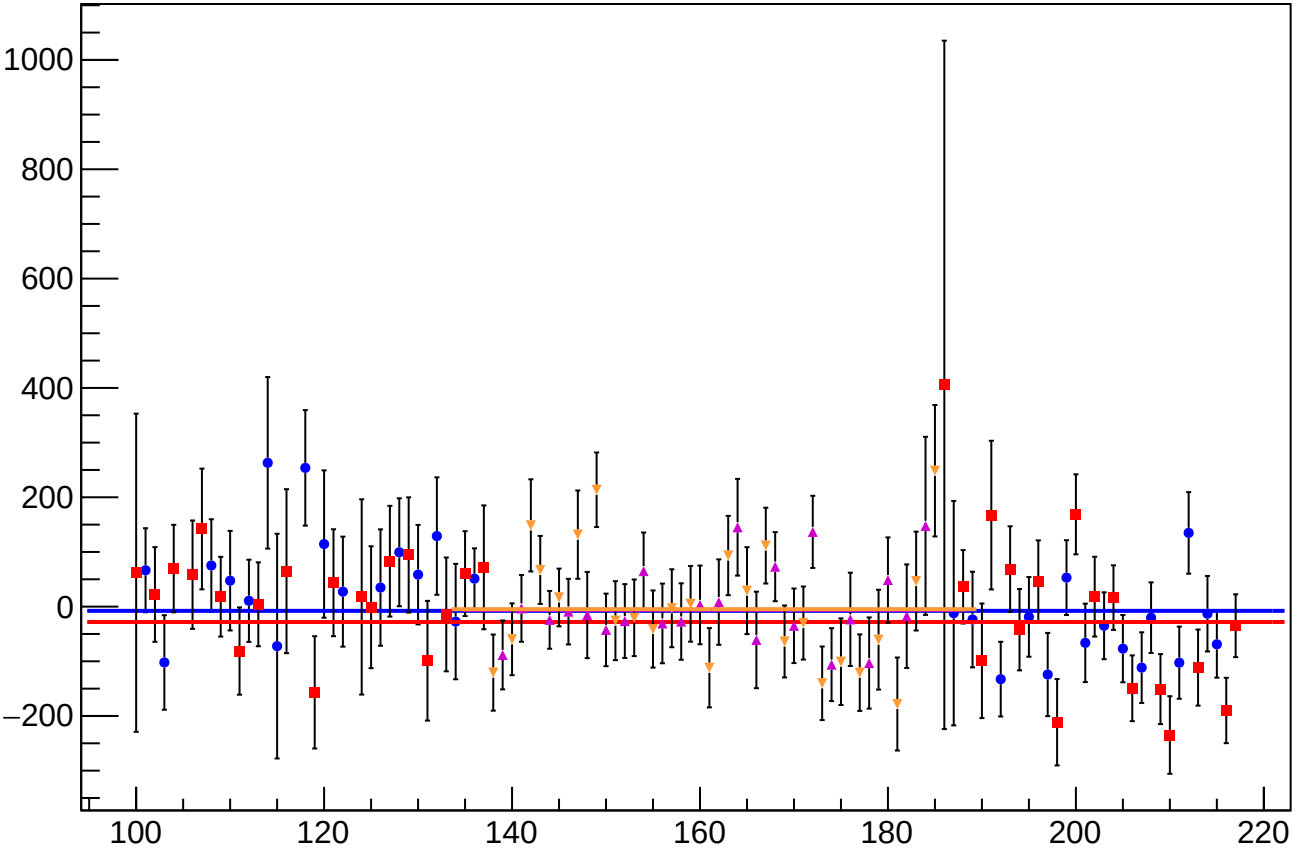
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 19086585.3/55

All: 0.000+/-0.000 χ^2/NDF: 39976063.5/114

- sign 0.000+/-0.000 χ^2/NDF: 20861292.9/58

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -7.729+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.077+/-13.891 χ^2/NDF: 58.9/35

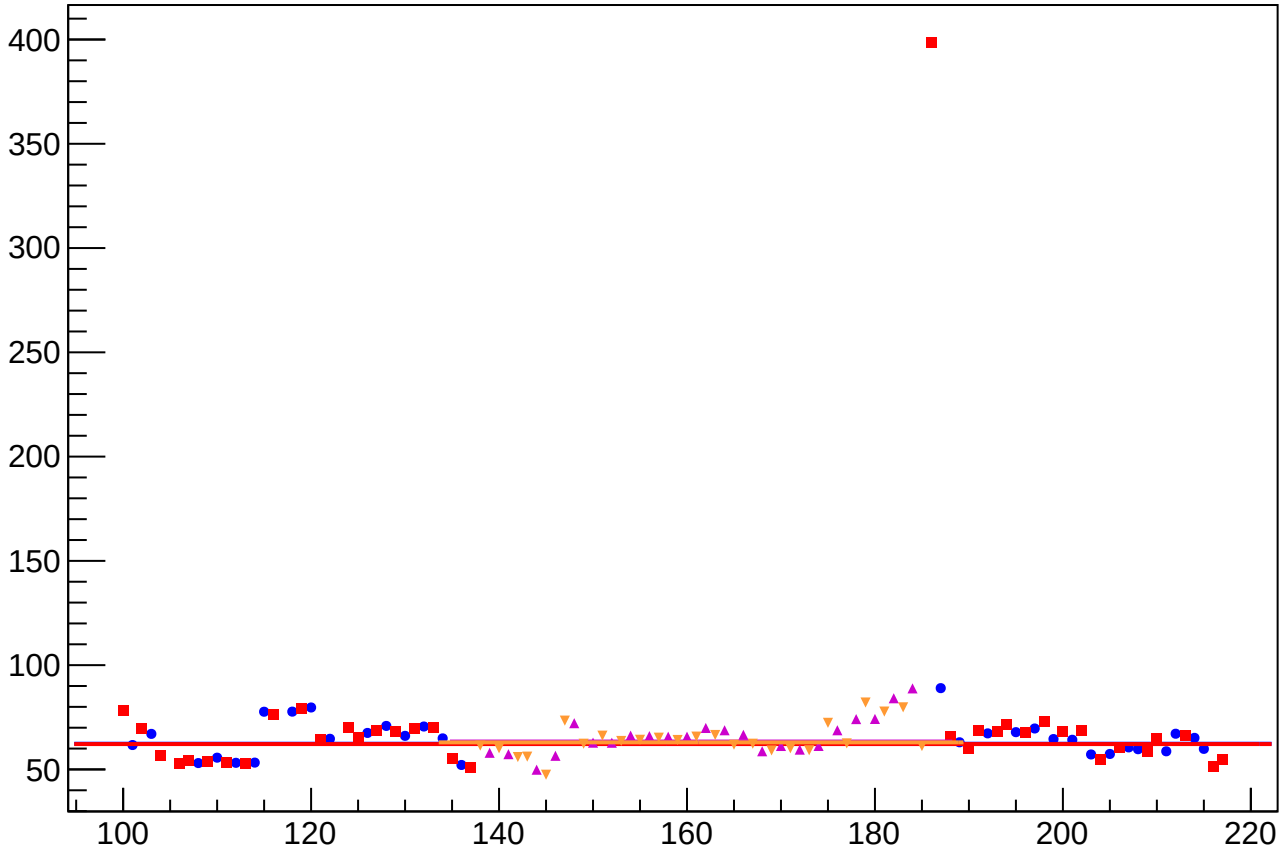
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -6.250+/-10.154 χ^2/NDF: 83.7/55

All: -11.981+/-7.186 χ^2/NDF: 162.7/114

- sign -17.731+/-10.170 χ^2/NDF: 78.3/58

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.315+/-0.010 χ^2/NDF: 399238.7/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

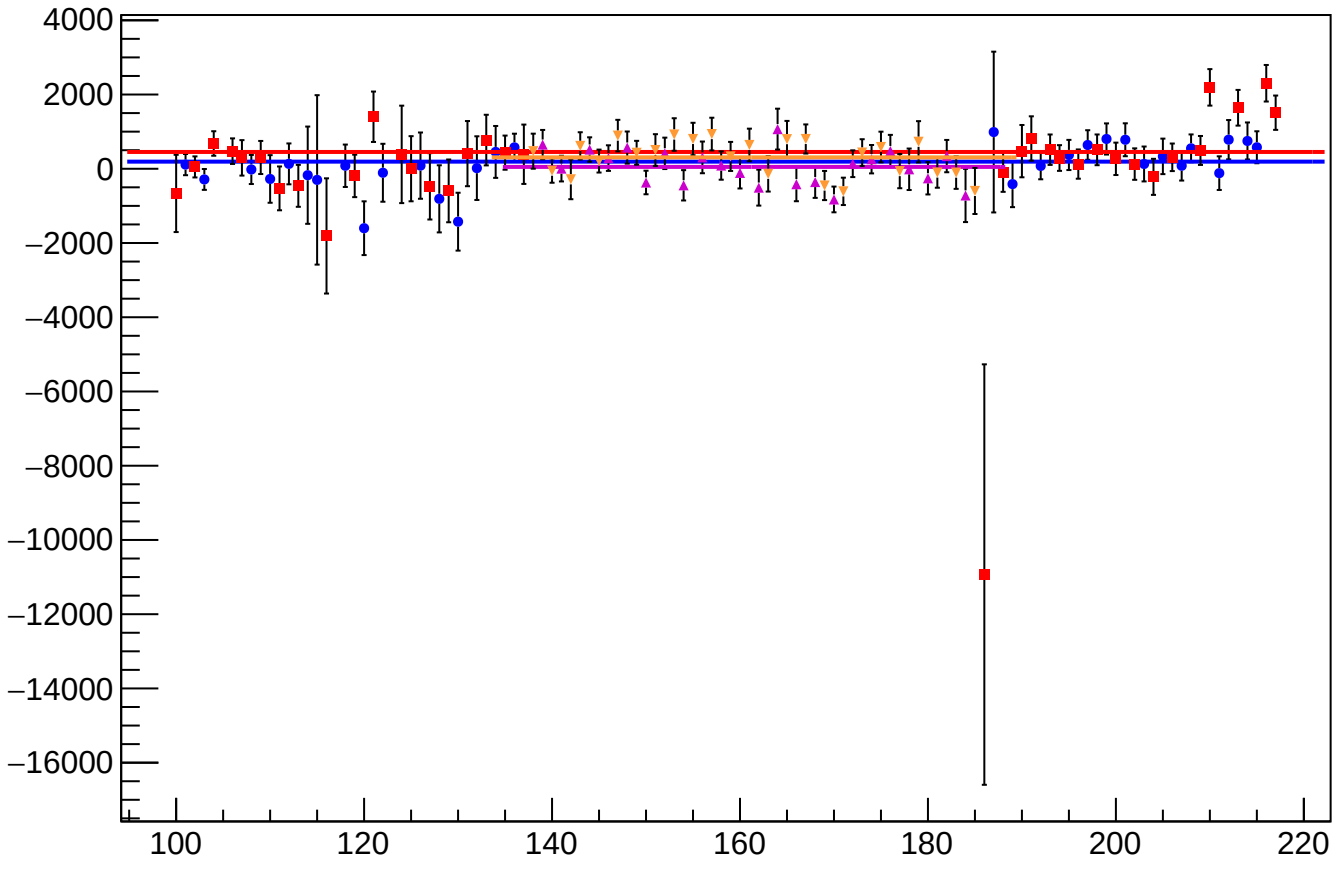
Right Out: 62.156+/-0.010 χ^2/NDF: 1138684.1/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.642+/-0.007 χ^2/NDF: 928219.4/55

All: 62.680+/-0.005 χ^2/NDF: 2570916.2/114

- sign 62.717+/-0.007 χ^2/NDF: 1642642.4/58



Right In: 191.813+/-86.617 χ^2/NDF: 28.5/30

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 452.642+/-82.368 χ^2/NDF: 65.0/35

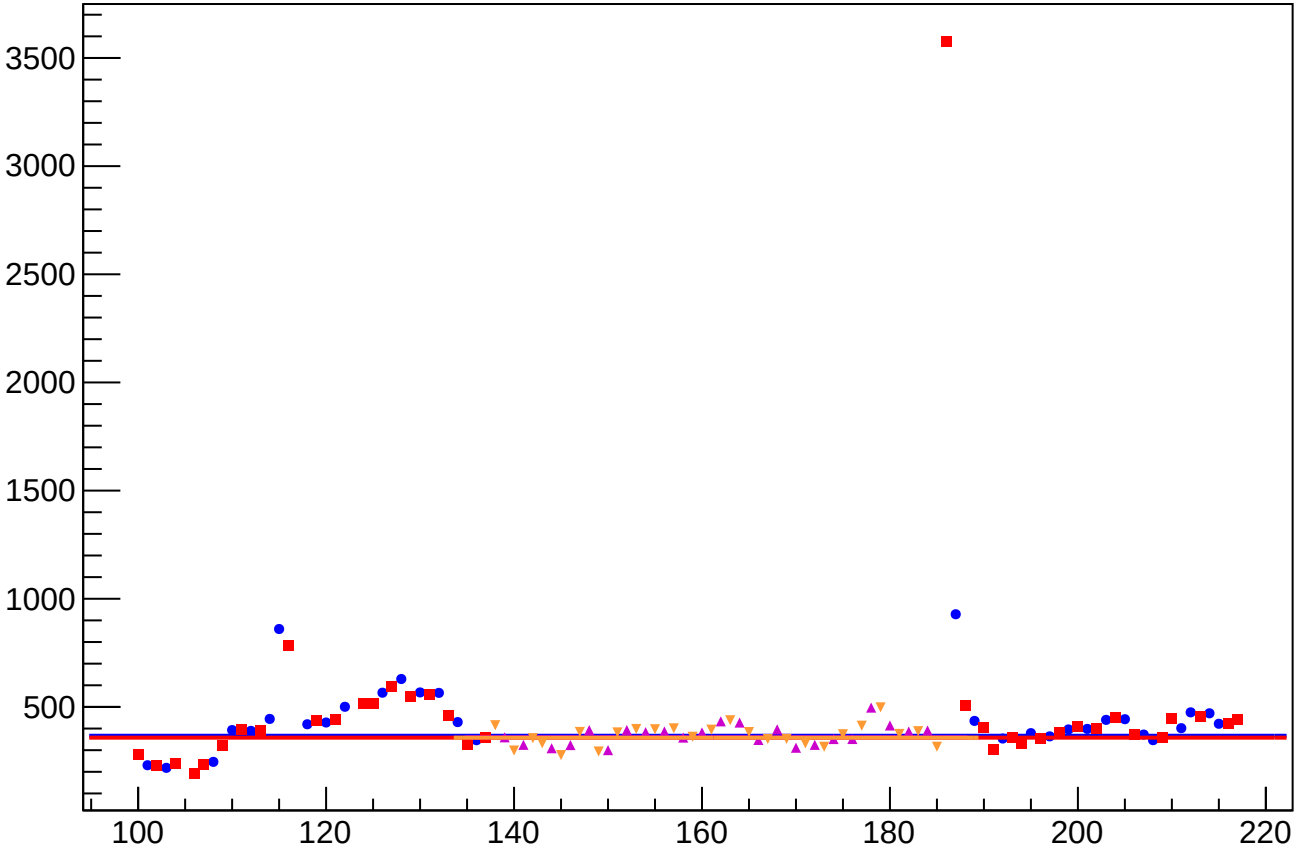
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 252.401+/-59.686 χ^2/NDF: 60.1/55

All: 254.866+/-41.995 χ^2/NDF: 163.9/114

- sign 257.282+/-59.097 χ^2/NDF: 103.8/58

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 366.693+/-0.061 χ^2/NDF: 2434222.1/30

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 357.898+/-0.058 χ^2/NDF: 3272159.6/35

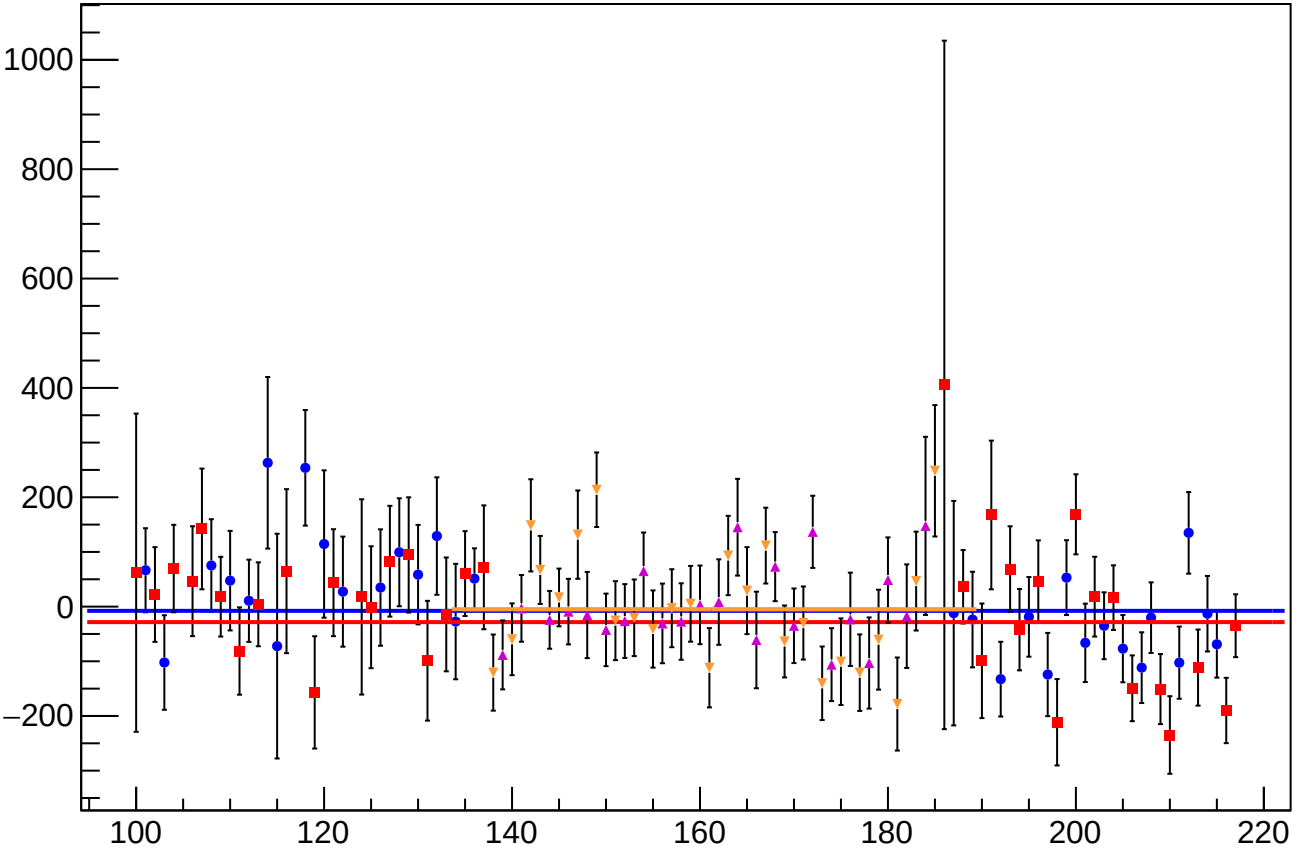
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 361.987+/-0.042 χ^2/NDF: 3129197.0/55

All: 360.278+/-0.030 χ^2/NDF: 6924664.9/114

- sign 358.603+/-0.042 χ^2/NDF: 3792221.0/58

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -7.733+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.355+/-13.894 χ^2/NDF: 58.7/35

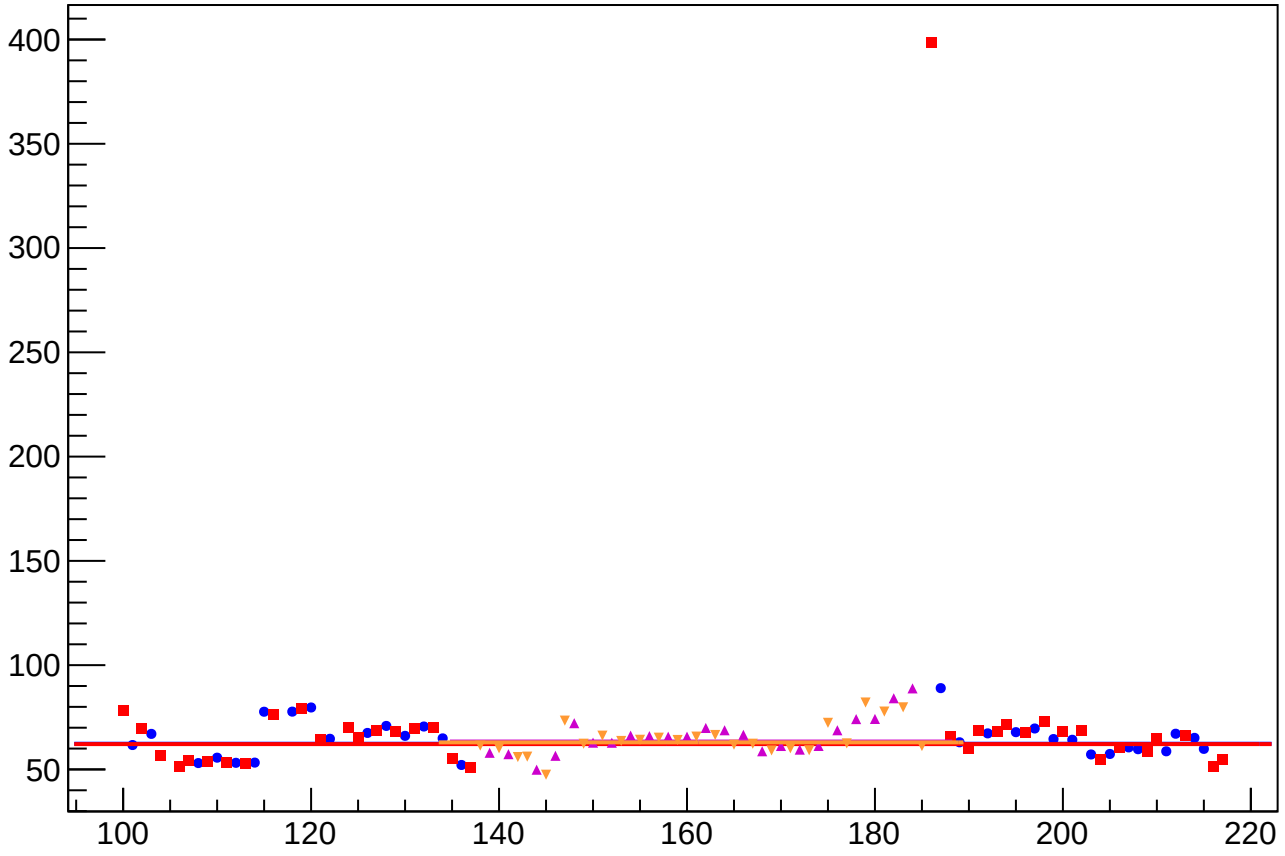
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -6.255+/-10.154 χ^2/NDF: 83.7/55

All: -12.055+/-7.186 χ^2/NDF: 162.5/114

- sign -17.876+/-10.172 χ^2/NDF: 78.2/58

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.315+/-0.010 χ^2/NDF: 399238.9/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

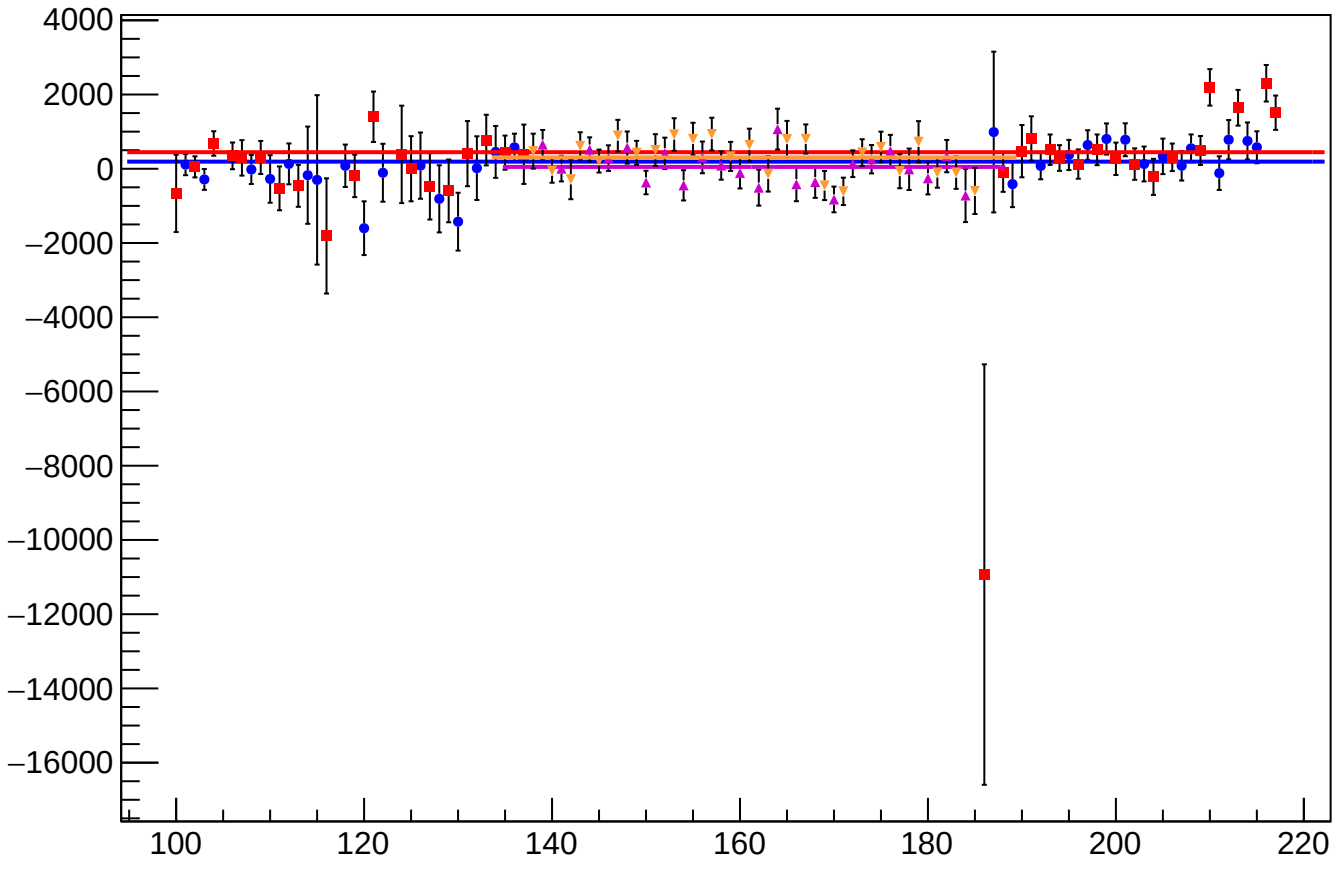
Right Out: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.642+/-0.007 χ^2/NDF: 928219.6/55

All: 62.676+/-0.005 χ^2/NDF: 2574850.2/114

- sign 62.709+/-0.007 χ^2/NDF: 1646586.9/58



Right In: 191.818+/-86.617 χ^2/NDF: 28.5/30

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 446.033+/-82.579 χ^2/NDF: 65.0/35

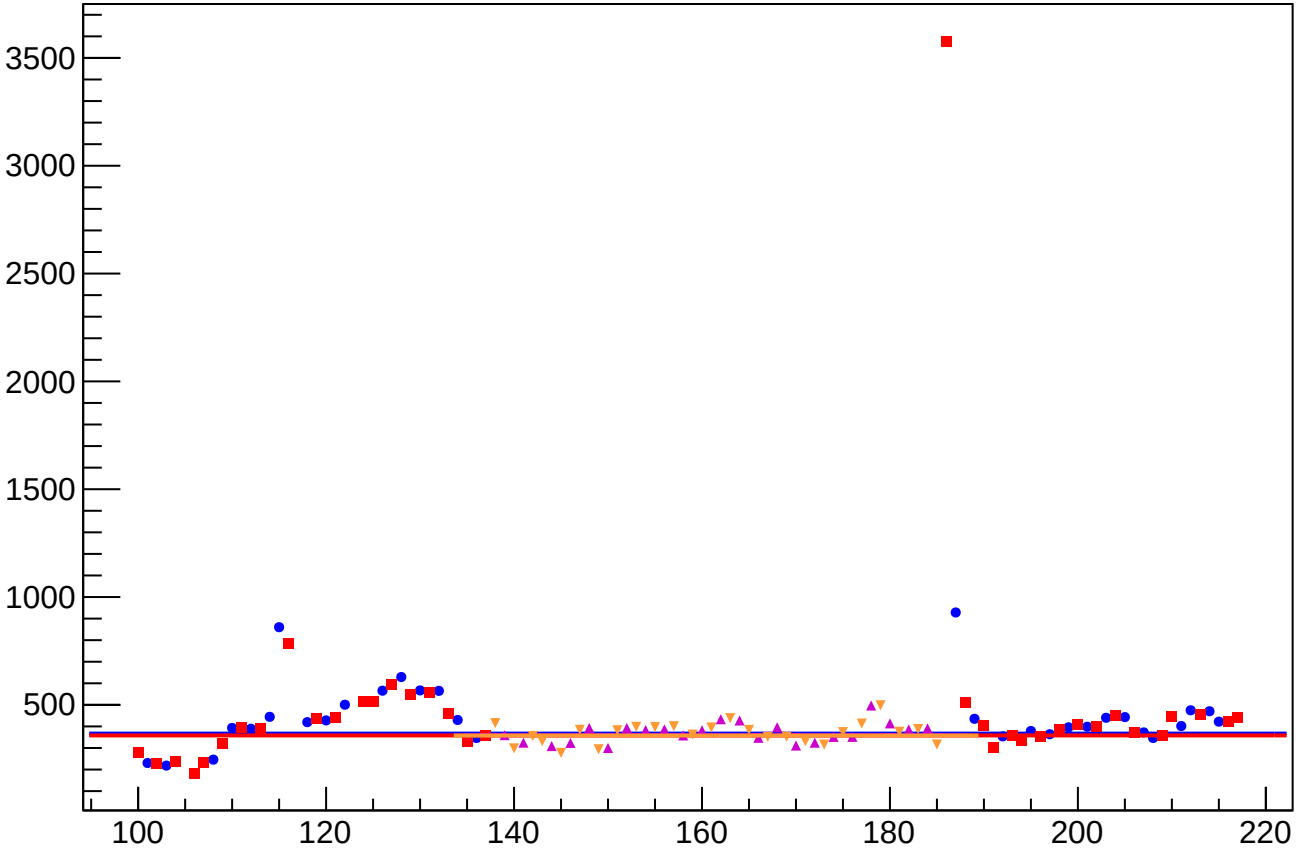
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 252.401+/-59.686 χ^2/NDF: 60.1/55

All: 252.892+/-42.022 χ^2/NDF: 163.5/114

- sign 253.375+/-59.175 χ^2/NDF: 103.5/58

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 366.695+/-0.061 χ^2/NDF: 2434131.1/30

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

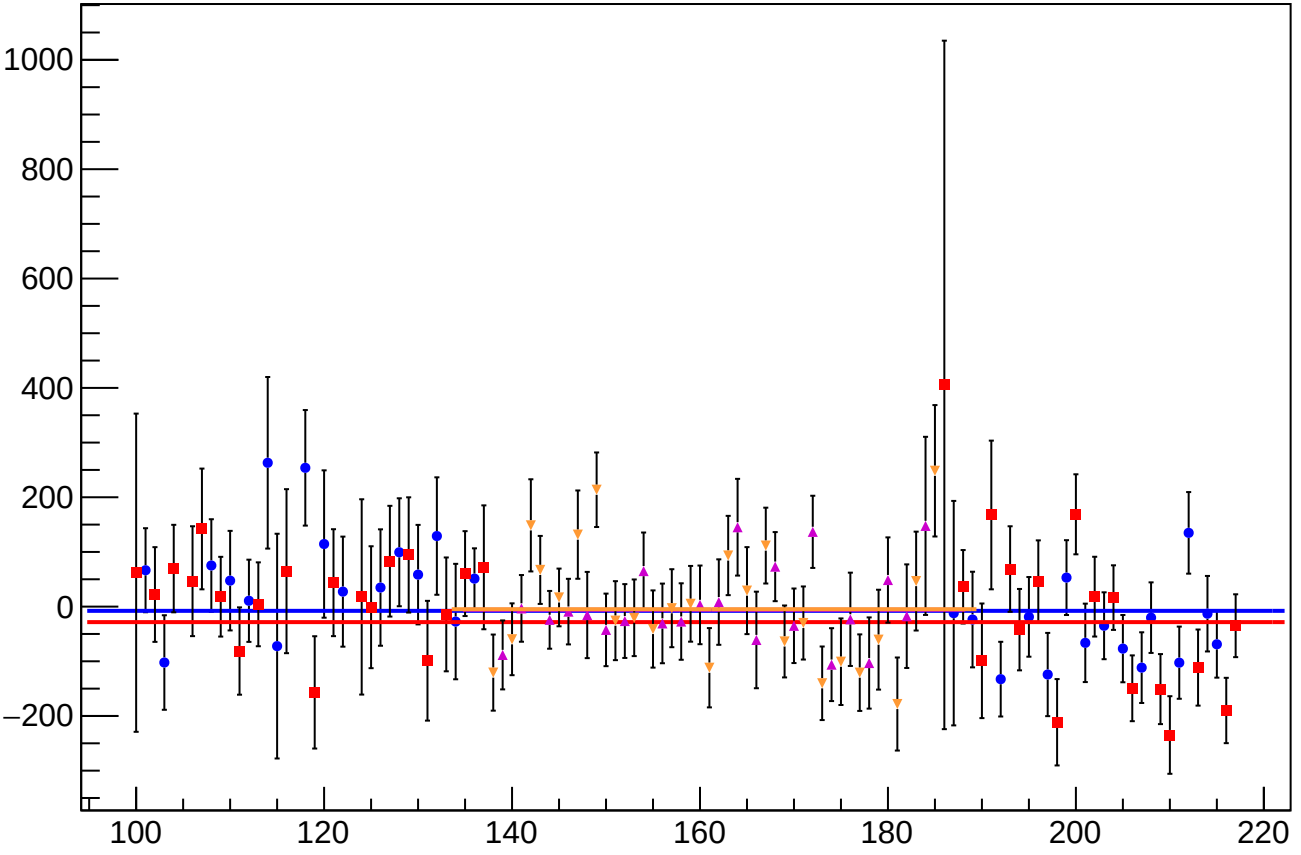
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 361.988+/-0.042 χ^2/NDF: 3129105.4/55

All: 360.362+/-0.030 χ^2/NDF: 6937434.5/114

- sign 358.764+/-0.042 χ^2/NDF: 3805387.0/58

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -7.733+/-14.290 χ^2/NDF: 36.3/30

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -28.355+/-13.894 χ^2/NDF: 58.7/35

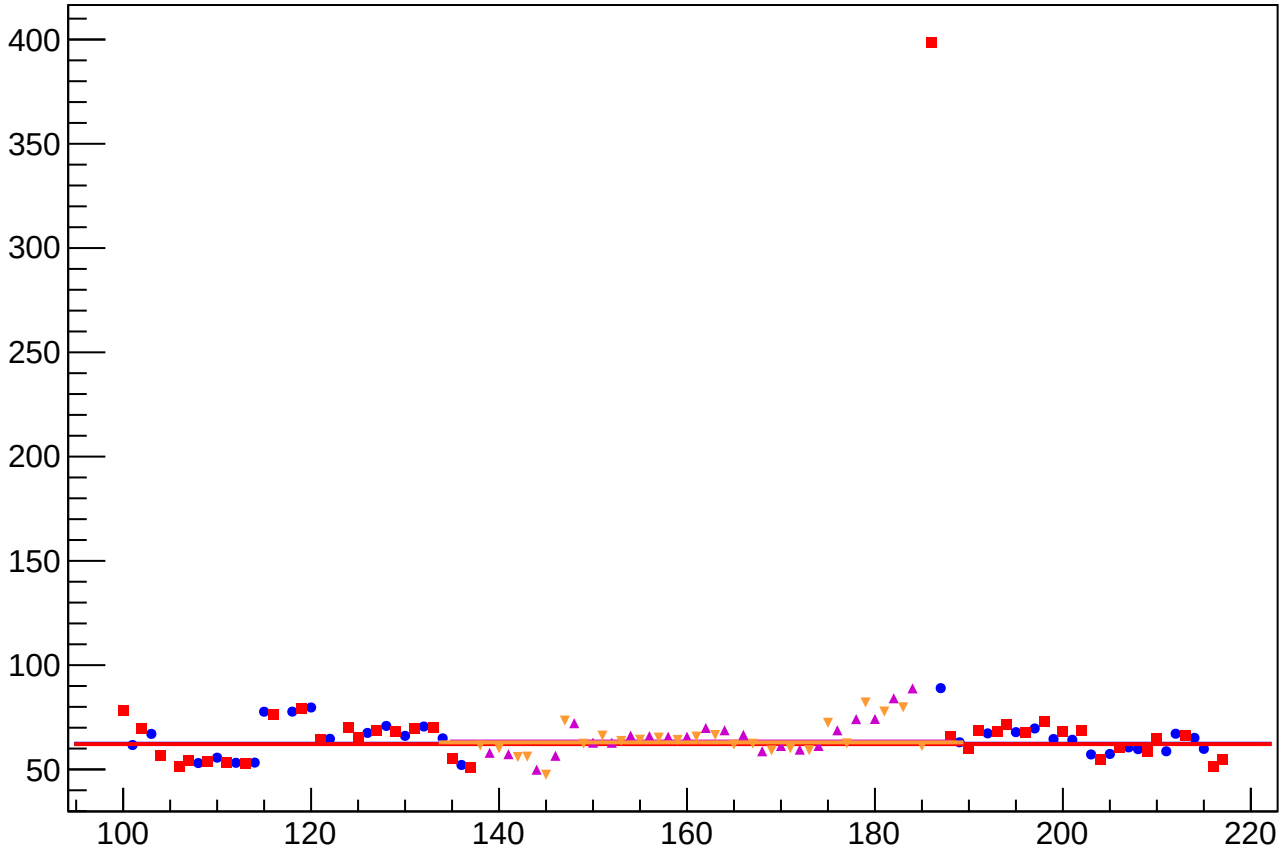
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -6.255+/-10.154 χ^2/NDF: 83.7/55

All: -12.055+/-7.186 χ^2/NDF: 162.5/114

- sign -17.876+/-10.172 χ^2/NDF: 78.2/58

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.315+/-0.010 χ^2/NDF: 399238.9/30

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

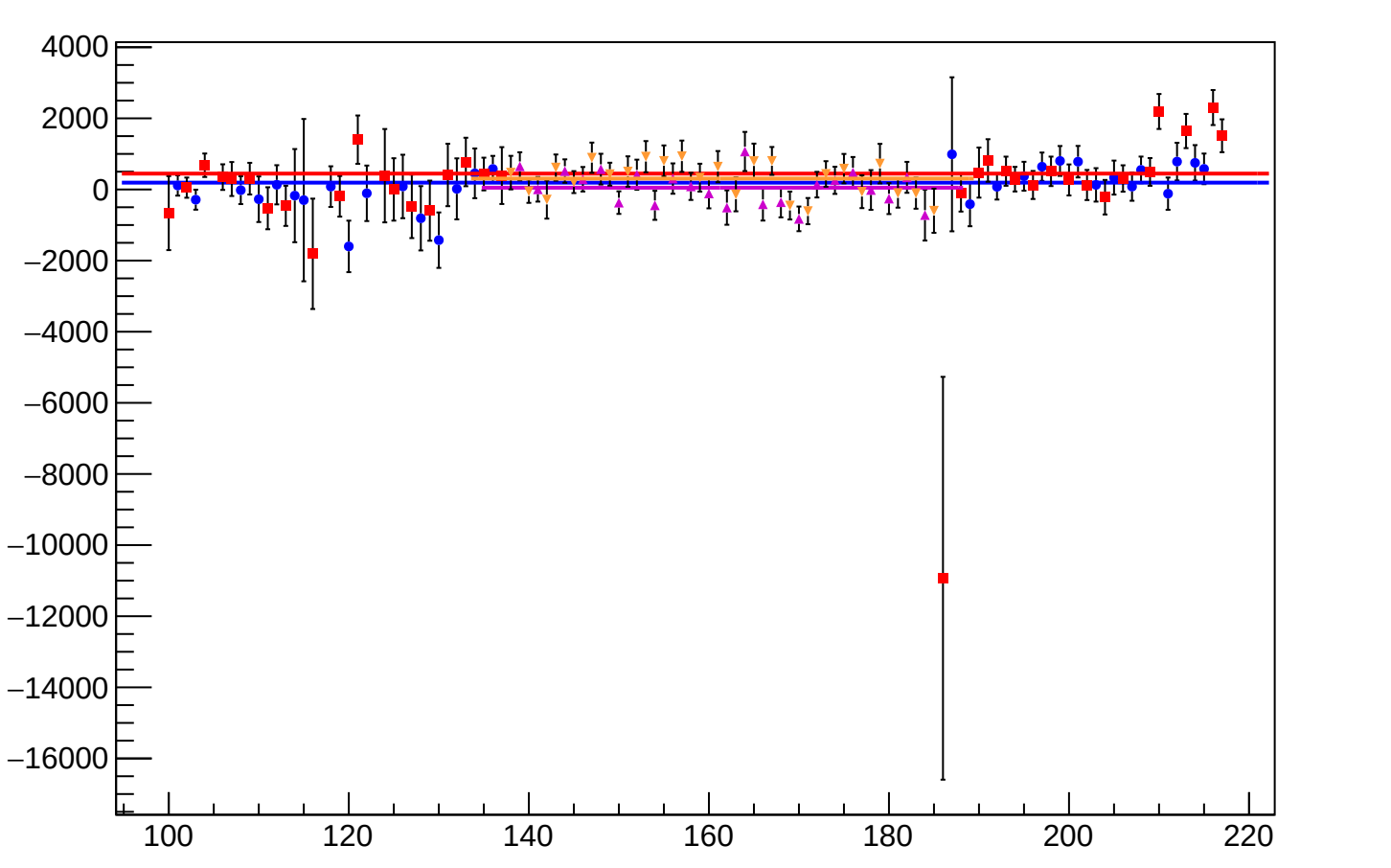
Right Out: 62.141+/-0.010 χ^2/NDF: 1142457.3/35

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.642+/-0.007 χ^2/NDF: 928219.6/55

All: 62.676+/-0.005 χ^2/NDF: 2574850.2/114

- sign 62.709+/-0.007 χ^2/NDF: 1646586.9/58



Right In: 191.818+/-86.617 χ^2/NDF: 28.5/30

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

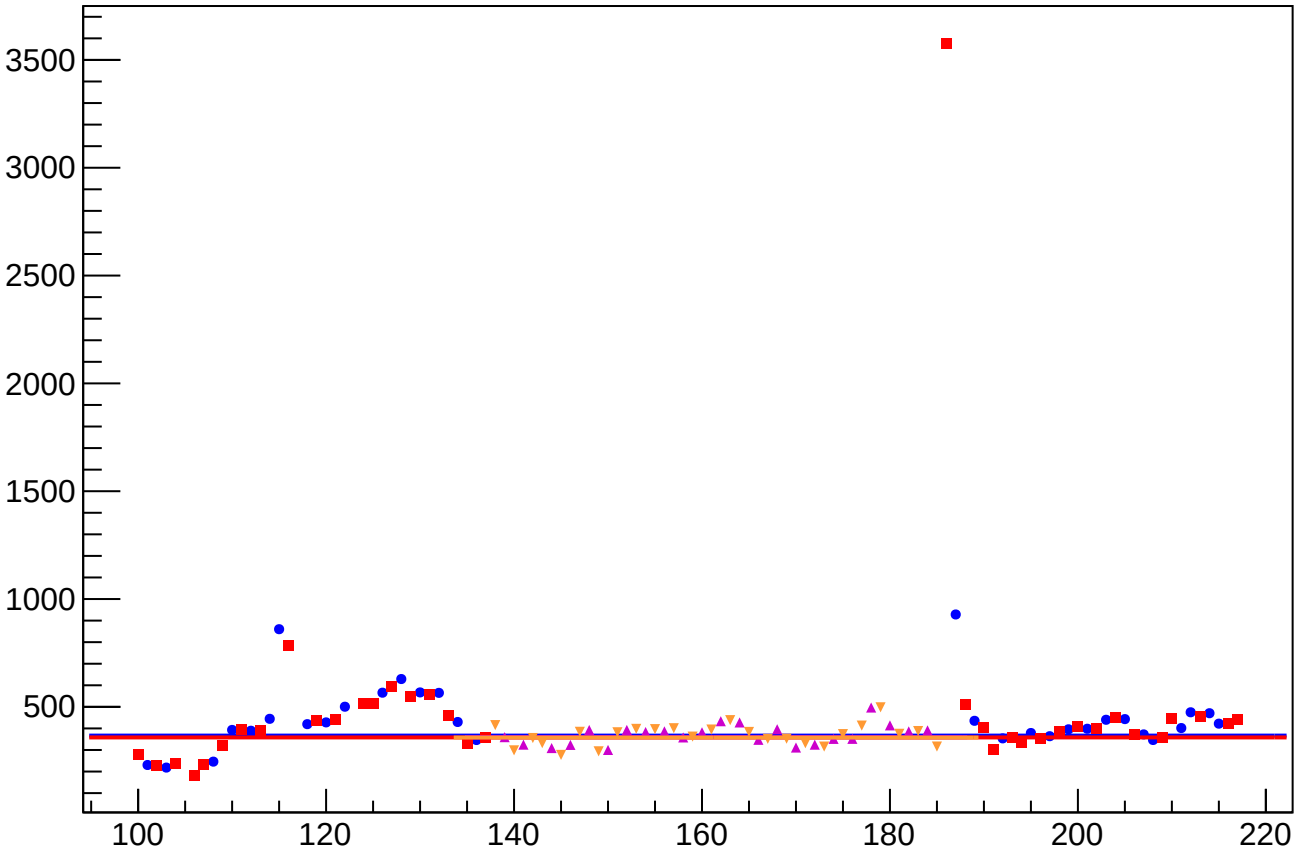
Right Out: 446.033+/-82.579 χ^2/NDF: 65.0/35

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 252.401+/-59.686 χ^2/NDF: 60.1/55

All: 252.892+/-42.022 χ^2/NDF: 163.5/114

- sign 253.375+/-59.175 χ^2/NDF: 103.5/58



Right In: 366.695+/-0.061 χ^2/NDF: 2434131.1/30

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 358.209+/-0.058 χ^2/NDF: 3285438.5/35

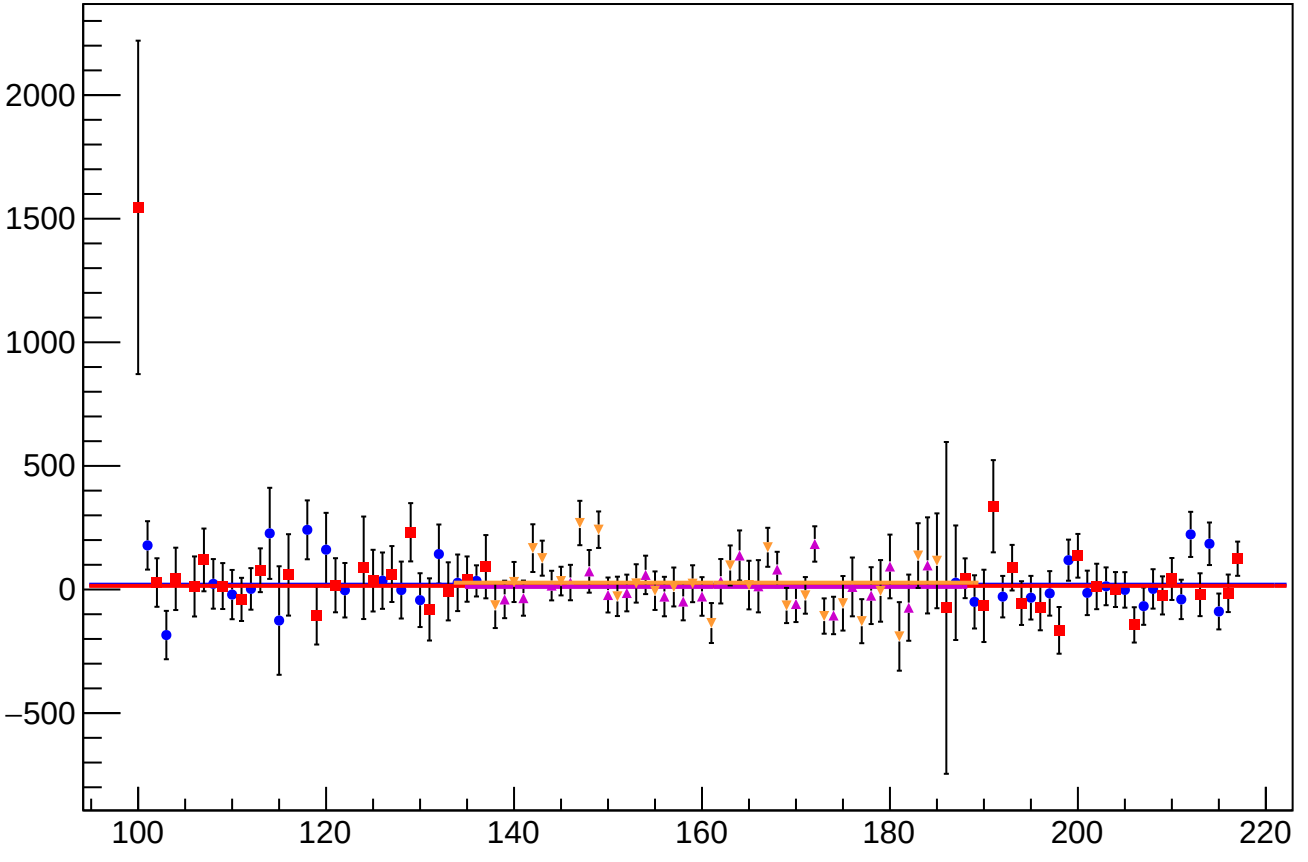
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 361.988+/-0.042 χ^2/NDF: 3129105.4/55

All: 360.362+/-0.030 χ^2/NDF: 6937434.5/114

- sign 358.764+/-0.042 χ^2/NDF: 3805387.0/58

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.506+/-16.903 χ^2/NDF: 30.6/30

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 14.720+/-16.673 χ^2/NDF: 32.1/35

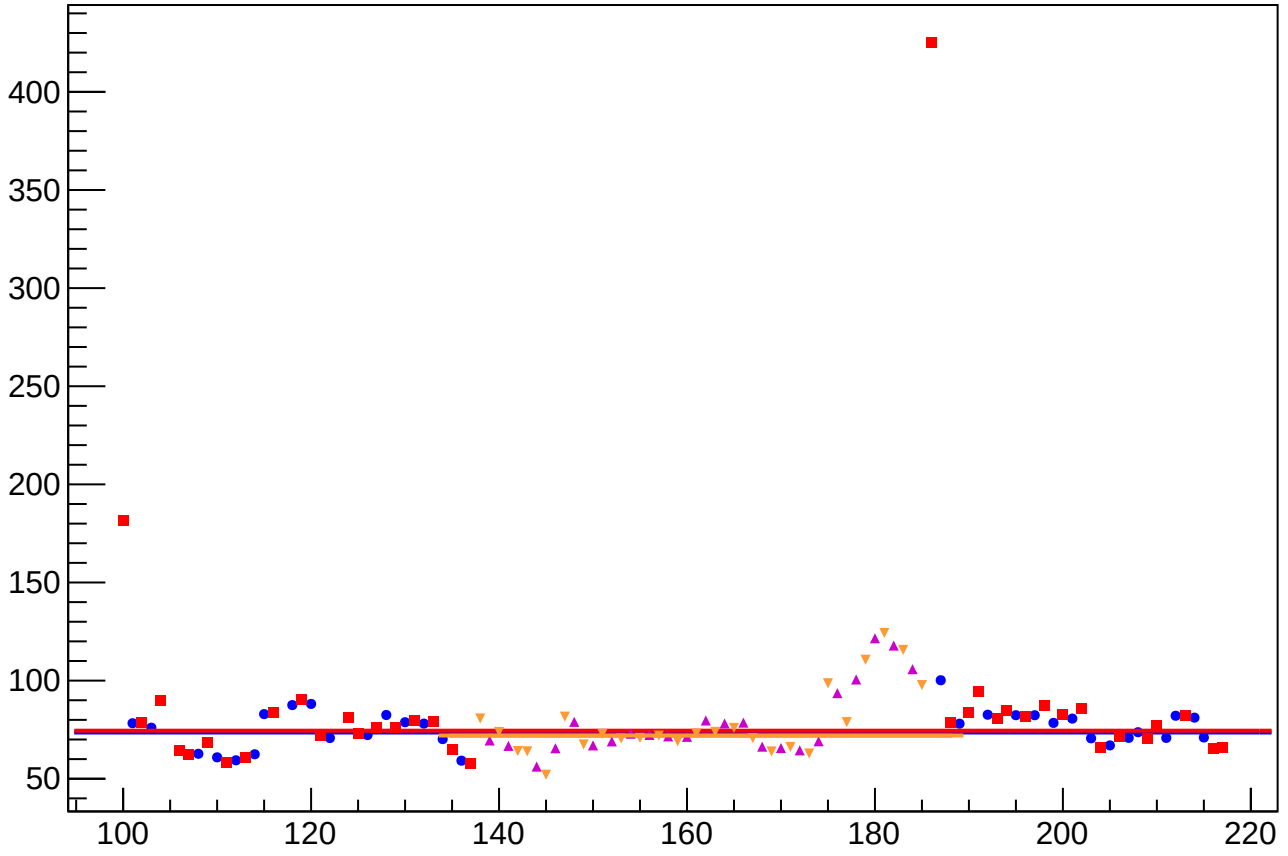
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 23.606+/-11.895 χ^2/NDF: 73.0/55

All: 18.186+/-8.441 χ^2/NDF: 121.6/114

- sign 12.689+/-11.980 χ^2/NDF: 48.2/58

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.563+/-0.012 χ^2/NDF: 474218.7/30

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.487+/-0.012 χ^2/NDF: 1183201.9/35

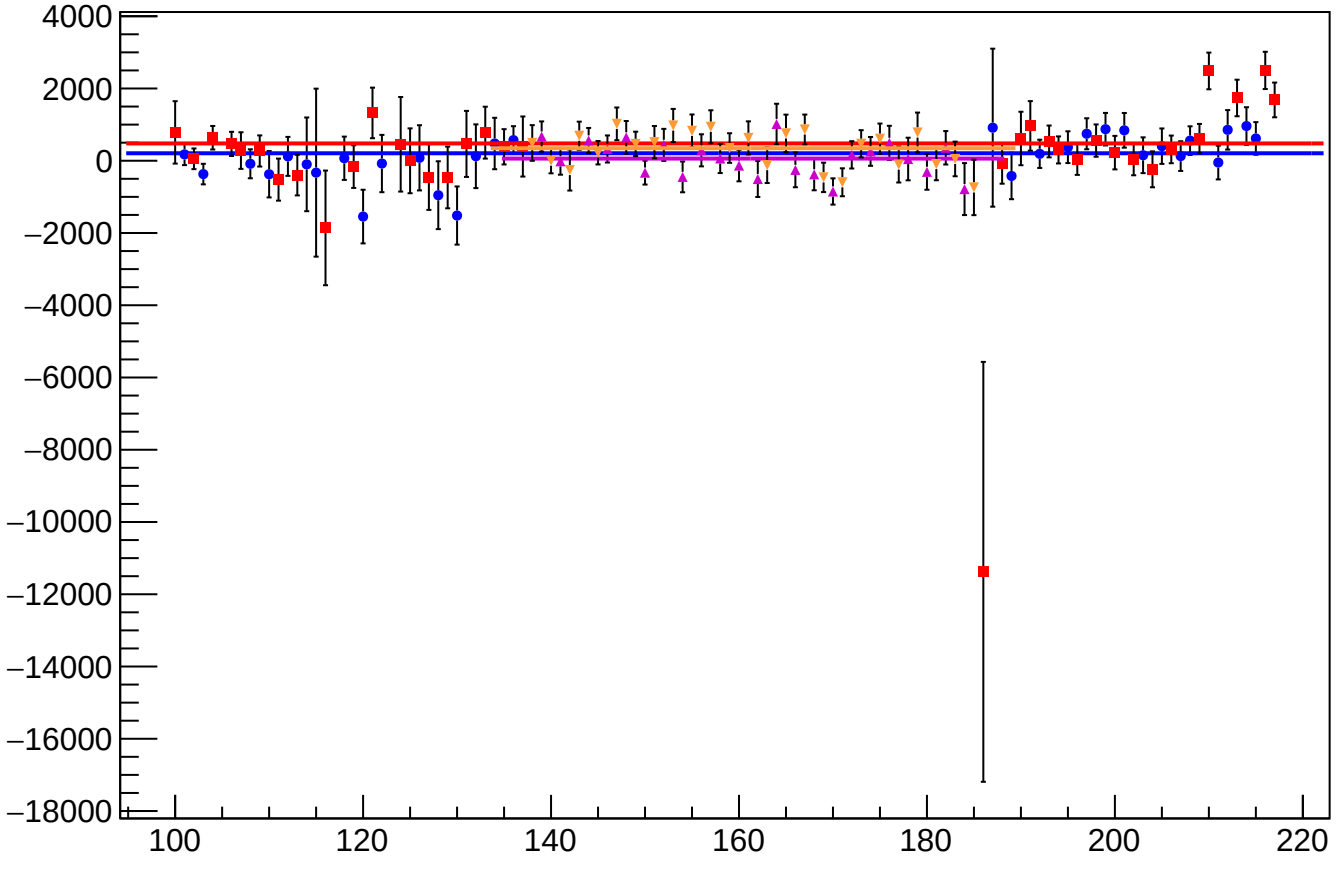
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.794+/-0.008 χ^2/NDF: 1751876.0/55

All: 73.060+/-0.006 χ^2/NDF: 4015900.8/114

- sign 73.329+/-0.008 χ^2/NDF: 2262022.2/58

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 206.760+/-90.268 χ^2/NDF: 30.9/30

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 478.886+/-85.043 χ^2/NDF: 70.0/35

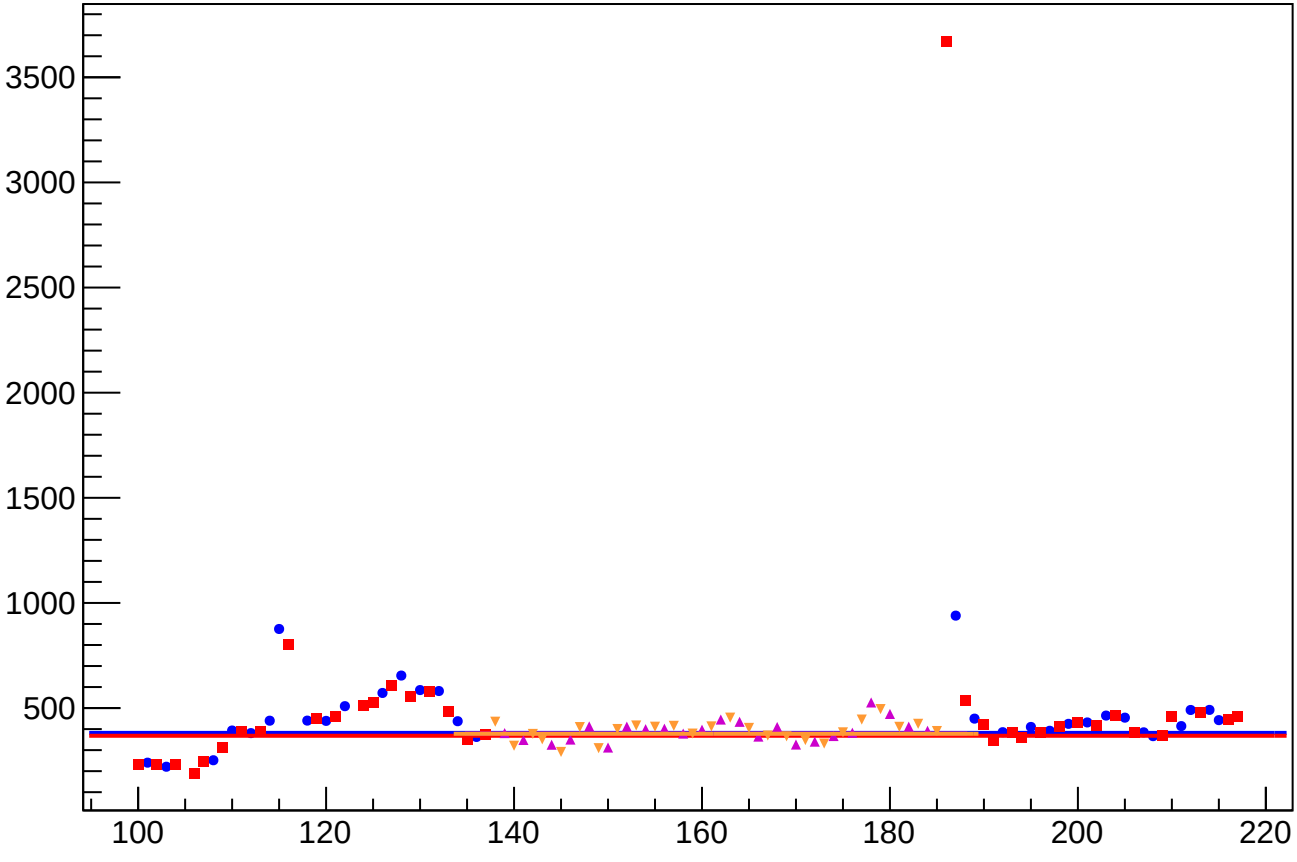
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

\+ sign 279.074+/-62.575 χ^2/NDF: 61.1/55

All: 279.484+/-43.906 χ^2/NDF: 168.4/114

\- sign 279.881+/-61.621 χ^2/NDF: 107.4/58

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 382.032+/-0.064 χ^2/NDF: 2503829.1/30

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 368.269+/-0.060 χ^2/NDF: 3582605.7/35

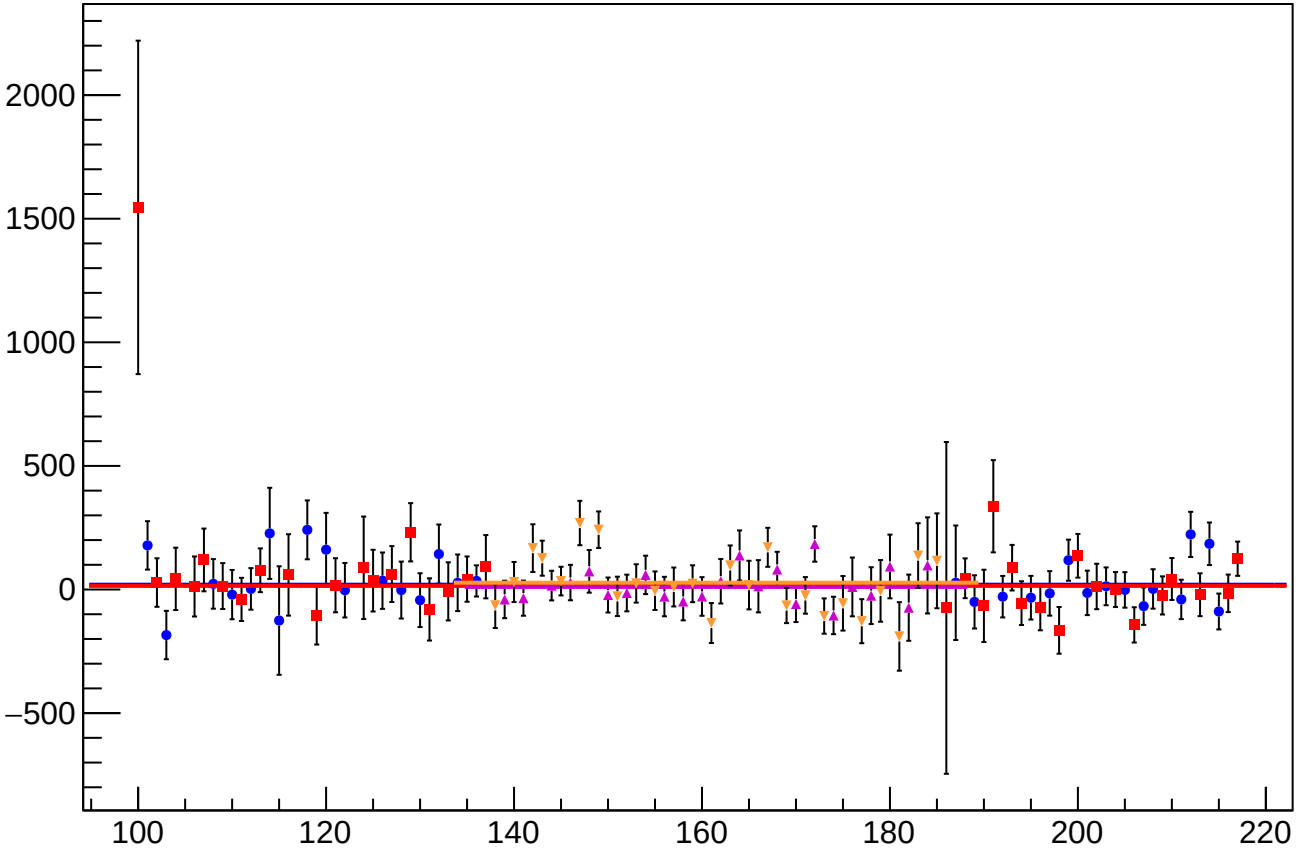
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 379.832+/-0.044 χ^2/NDF: 3142830.7/55

All: 376.518+/-0.031 χ^2/NDF: 7278931.2/114

- sign 373.304+/-0.044 χ^2/NDF: 4125050.0/58

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.506+/-16.903 χ^2/NDF: 30.6/30

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 14.719+/-16.673 χ^2/NDF: 32.1/35

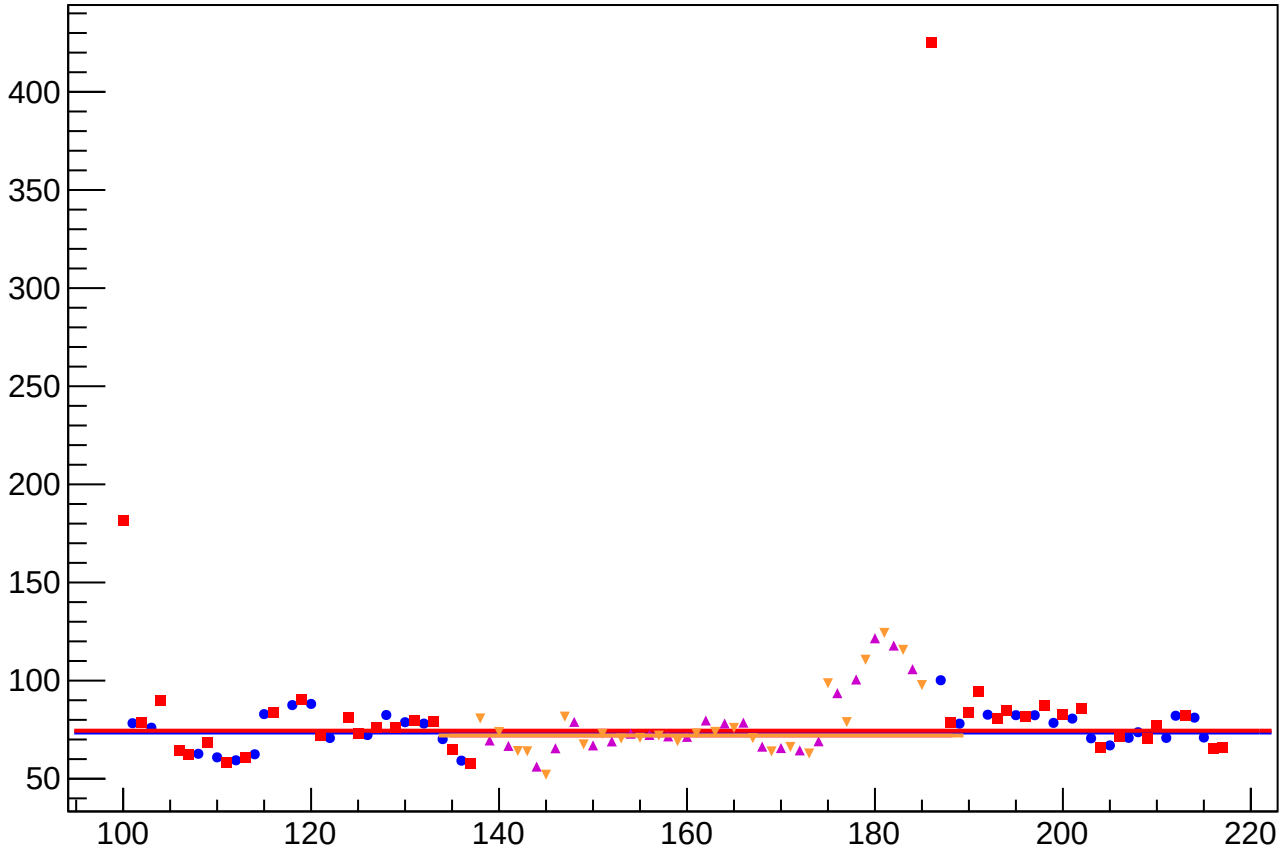
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 23.605+/-11.895 χ^2/NDF: 73.0/55

All: 18.186+/-8.441 χ^2/NDF: 121.6/114

- sign 12.688+/-11.980 χ^2/NDF: 48.2/58

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.563+/-0.012 χ^2/NDF: 474214.1/30

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

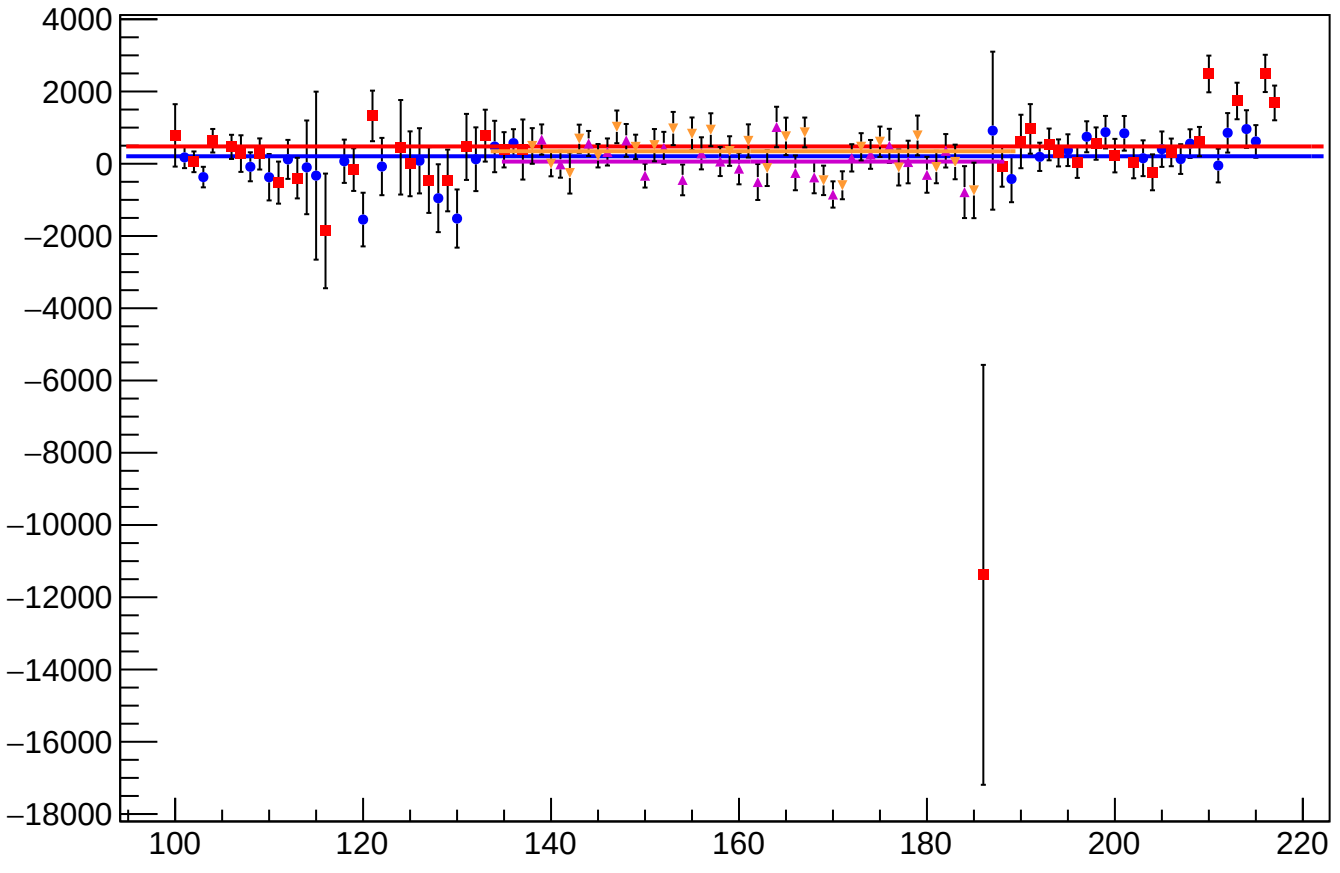
Right Out: 74.487+/-0.012 χ^2/NDF: 1183196.1/35

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.794+/-0.008 χ^2/NDF: 1751878.1/55

All: 73.060+/-0.006 χ^2/NDF: 4015887.5/114

- sign 73.329+/-0.008 χ^2/NDF: 2262006.7/58



Right In: 206.760+/-90.268 χ^2/NDF: 30.9/30

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

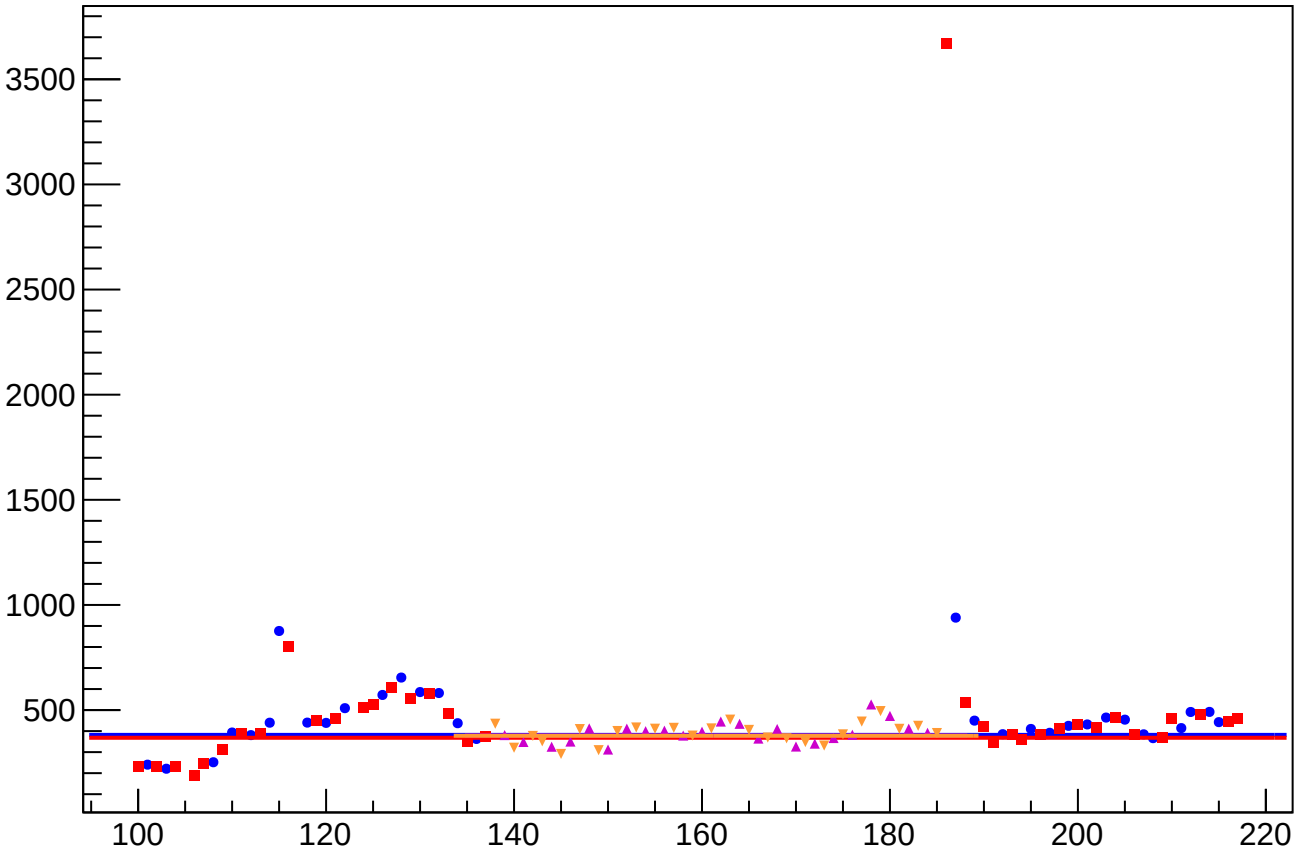
Right Out: 478.886+/-85.043 χ^2/NDF: 70.0/35

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 279.074+/-62.575 χ^2/NDF: 61.1/55

All: 279.483+/-43.906 χ^2/NDF: 168.4/114

- sign 279.881+/-61.621 χ^2/NDF: 107.4/58



Right In: 382.032+/-0.064 χ^2/NDF: 2503814.2/30

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 368.269+/-0.060 χ^2/NDF: 3582591.4/35

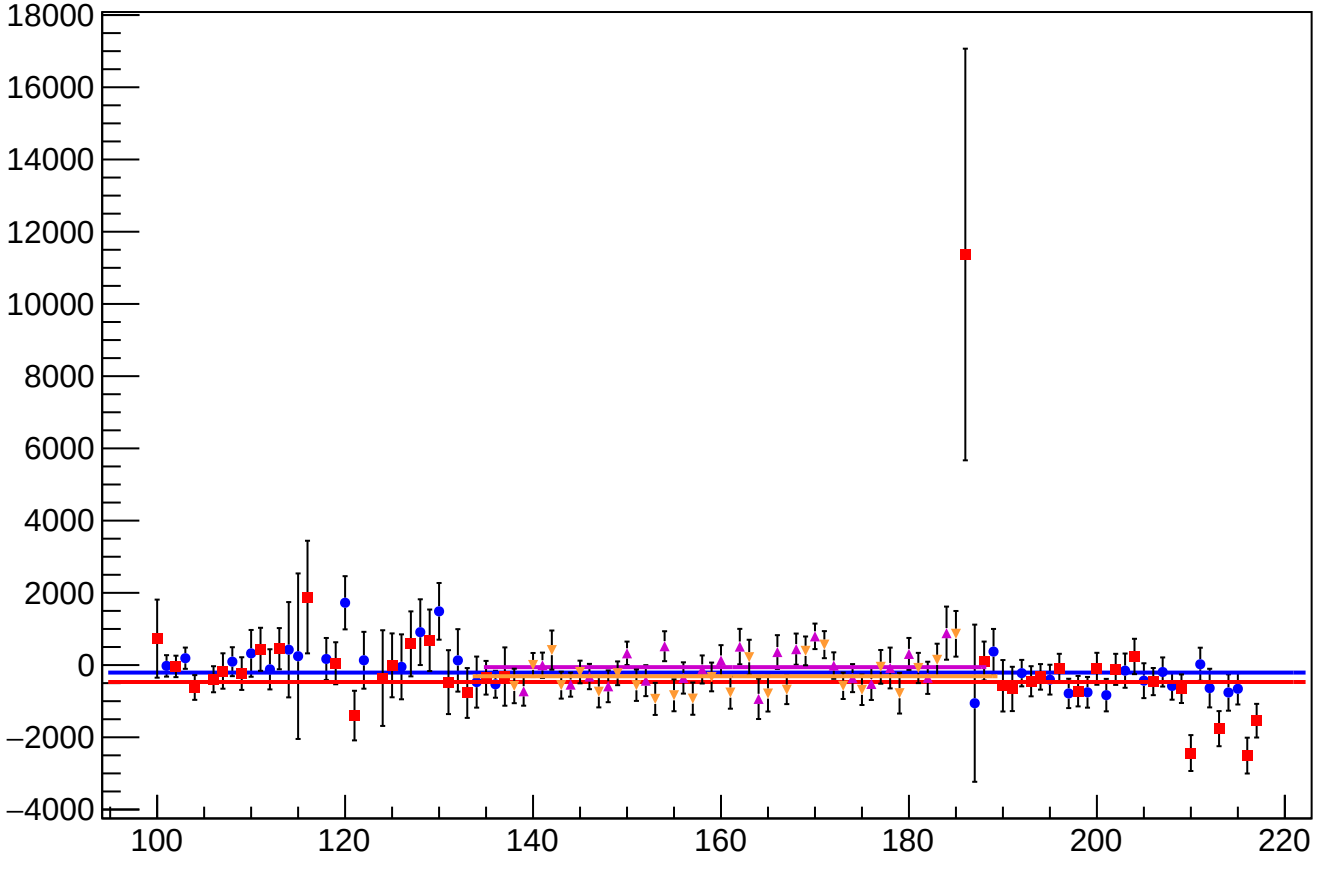
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 379.832+/-0.044 χ^2/NDF: 3142816.3/55

All: 376.517+/-0.031 χ^2/NDF: 7278898.0/114

- sign 373.304+/-0.044 χ^2/NDF: 4125031.1/58

asym_sam_37_48_dd_mean vs Slug



Right In: -208.105+/-88.258 χ^2/NDF: 29.7/30

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -468.904+/-84.057 χ^2/NDF: 73.4/35

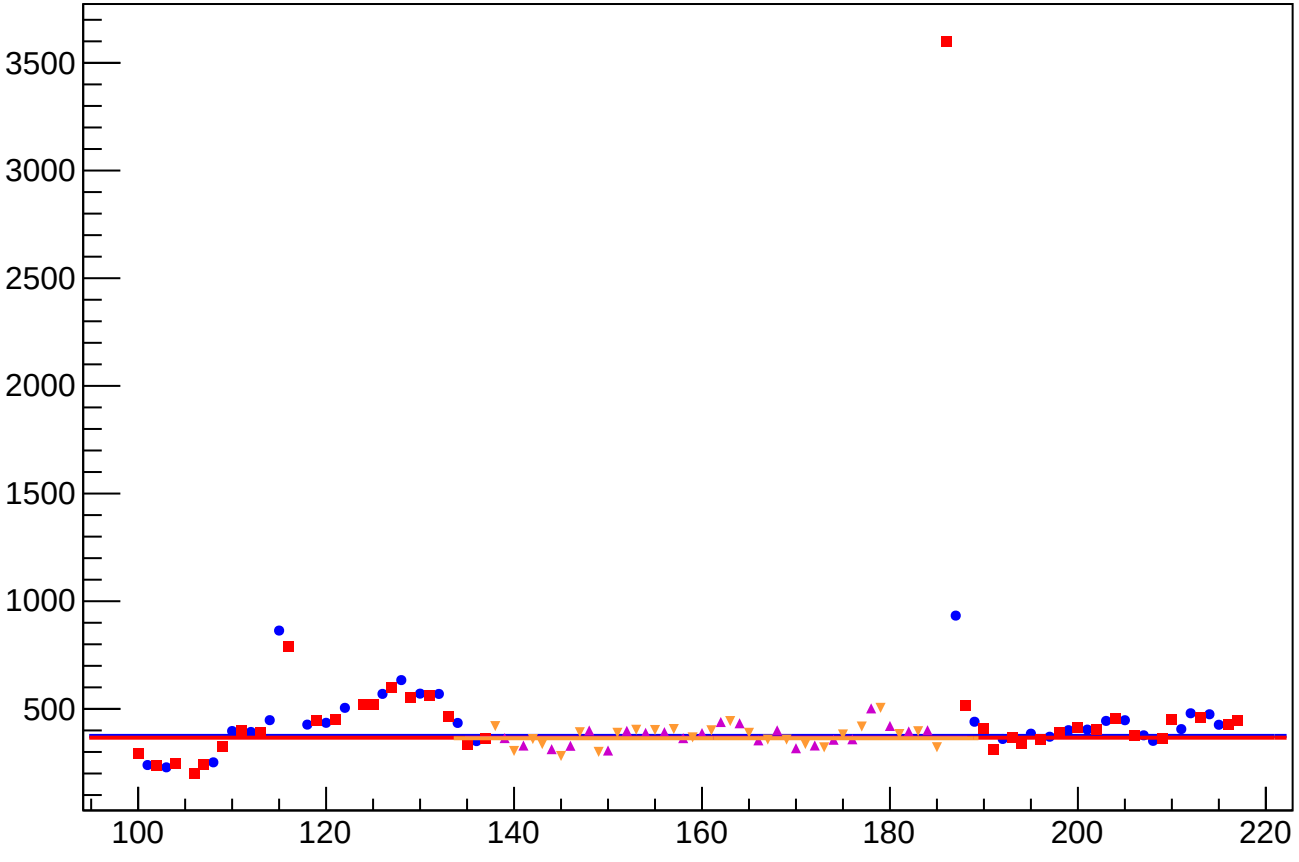
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -261.396+/-60.735 χ^2/NDF: 60.3/55

All: -264.960+/-42.752 χ^2/NDF: 173.4/114

- sign -268.460+/-60.189 χ^2/NDF: 113.1/58

asym_sam_37_48_dd_rms vs Slug



Right In: 374.605+/-0.062 χ^2/NDF: 2251664.7/30

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

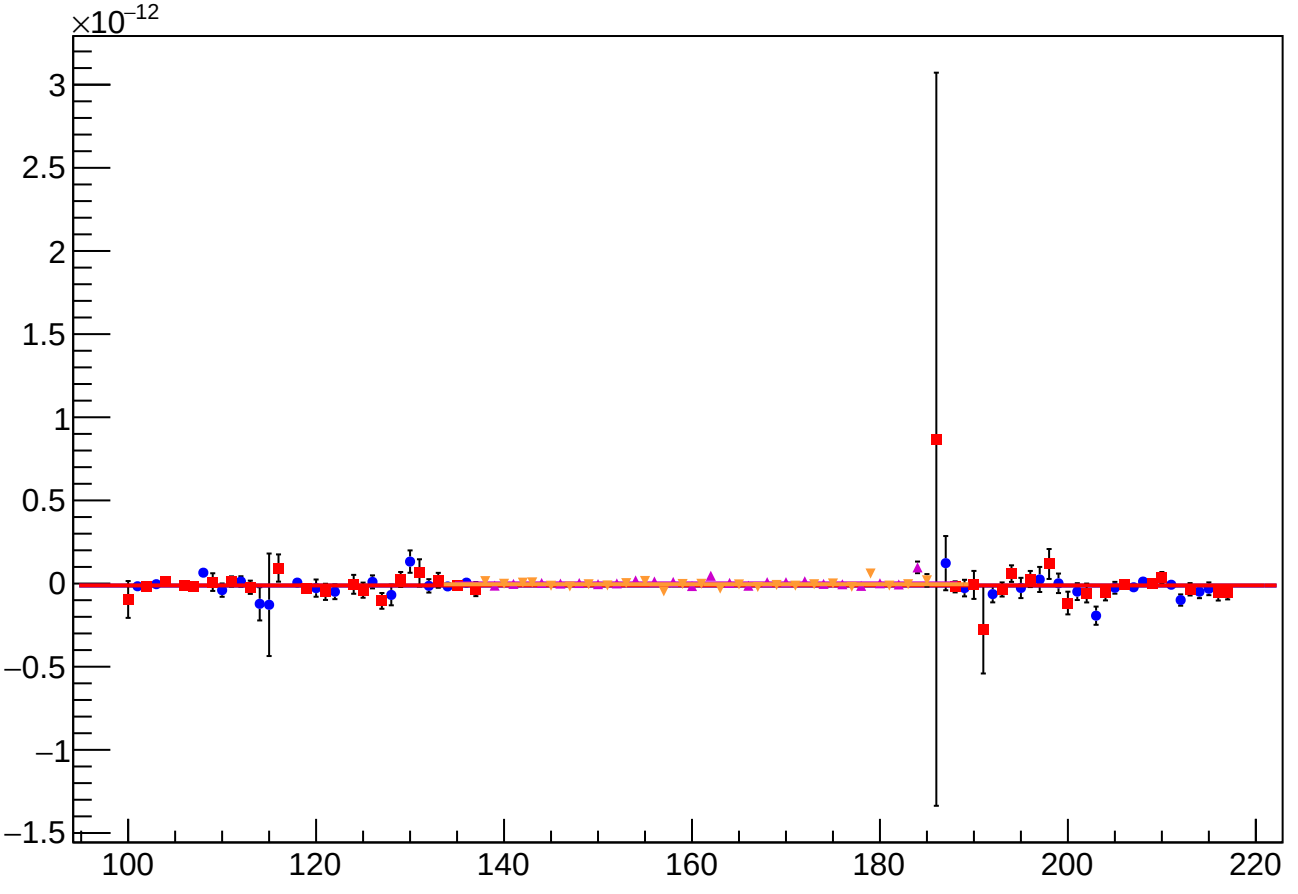
Right Out: 366.300+/-0.059 χ^2/NDF: 3057899.3/35

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 368.871+/-0.043 χ^2/NDF: 2936943.0/55

All: 367.334+/-0.030 χ^2/NDF: 6507009.8/114

- sign 365.825+/-0.043 χ^2/NDF: 3567527.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/35

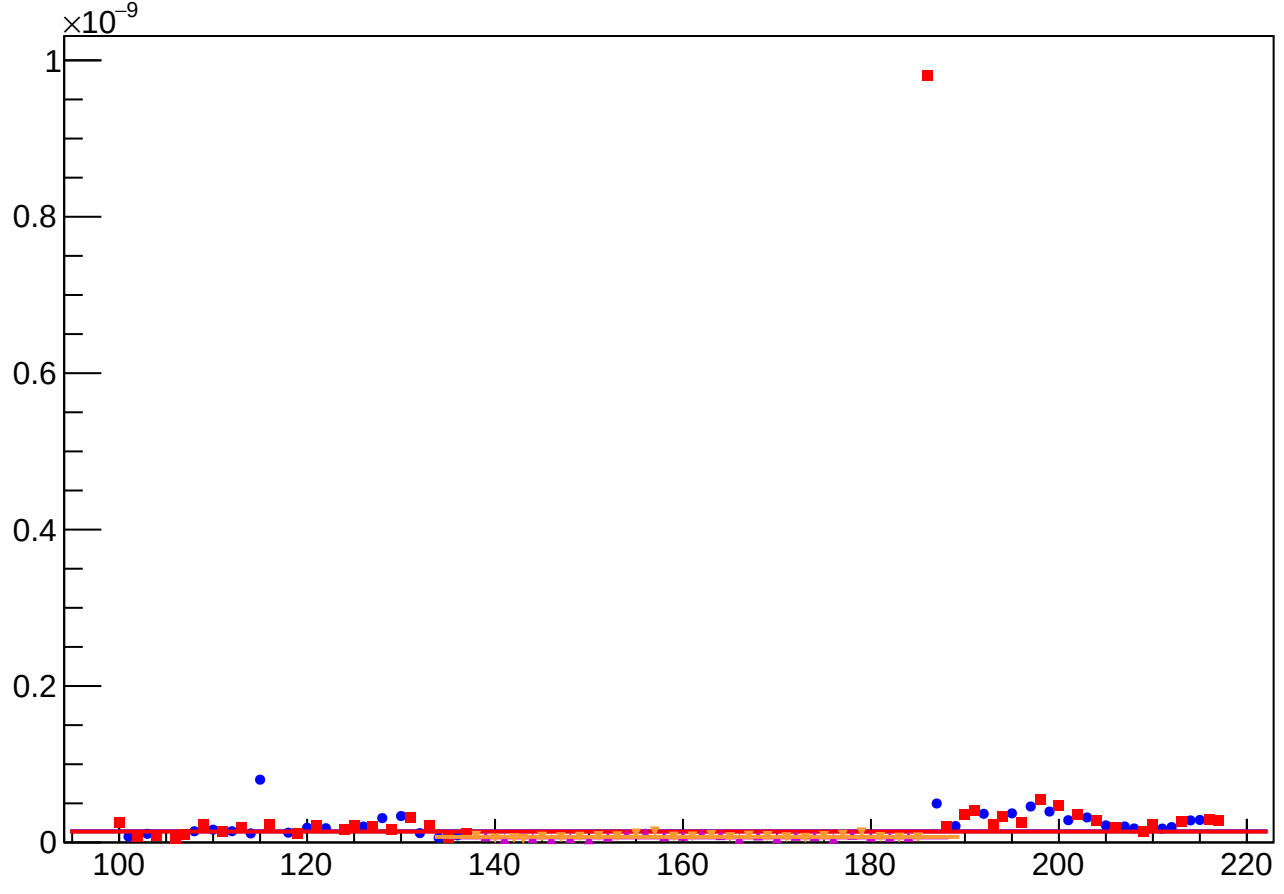
Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/55

All: -0.000+/-0.000 χ^2/NDF: 119.5/114

- sign -0.000+/-0.000 χ^2/NDF: 53.7/58

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4631361.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5588403.1/35

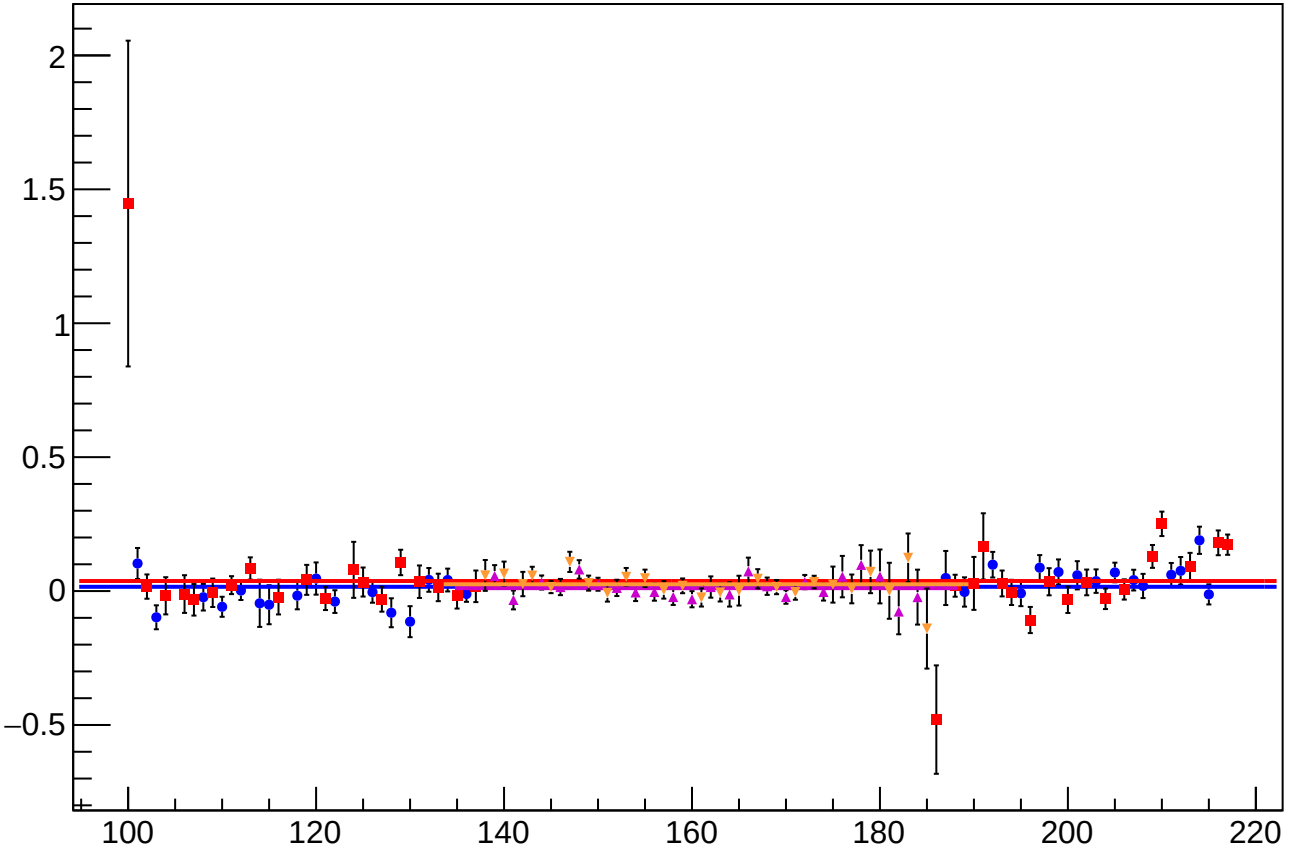
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8204640.6/55

All: 0.000+/-0.000 χ^2/NDF: 18131010.9/114

- sign 0.000+/-0.000 χ^2/NDF: 9864273.0/58

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

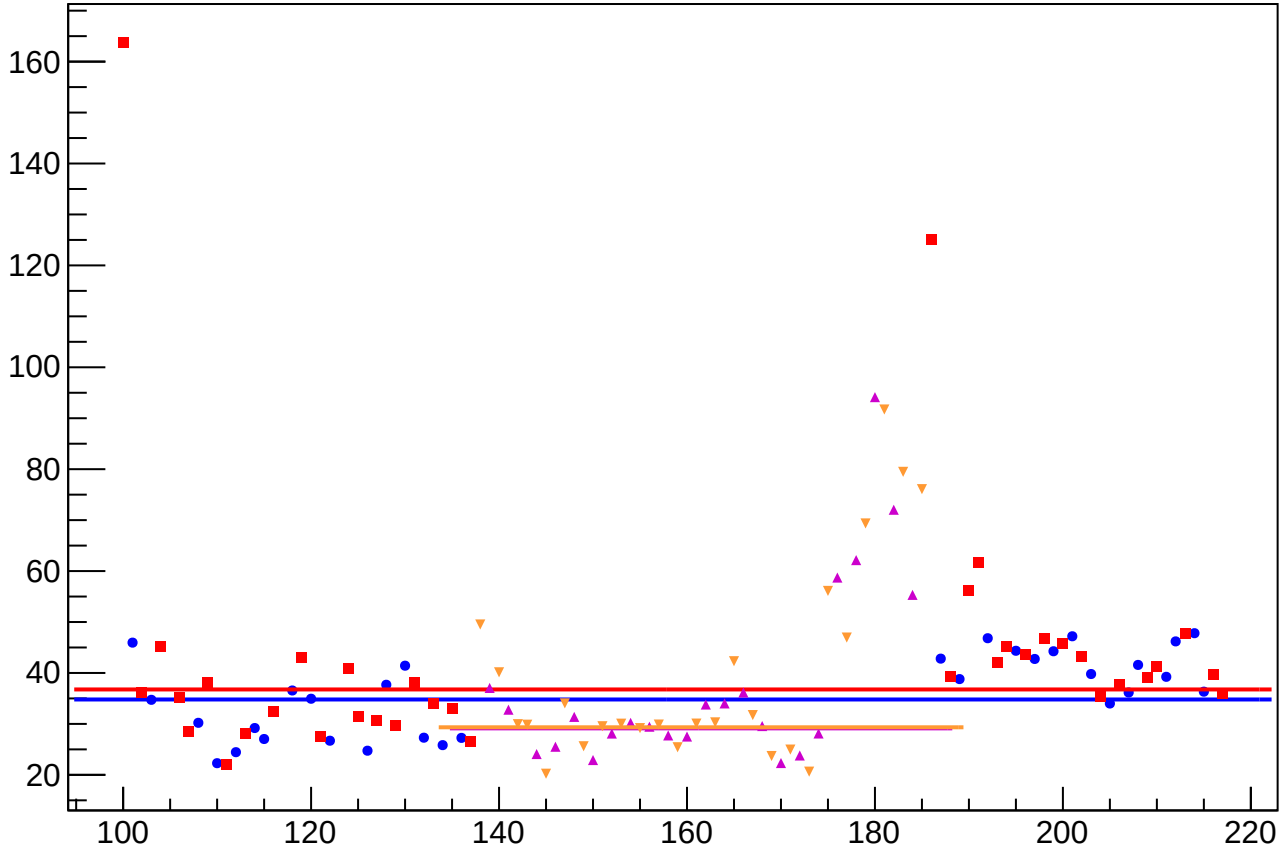
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.021+/-0.005 χ^2/NDF: 70.7/55

All: 0.022+/-0.004 χ^2/NDF: 188.3/114

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.794+/-0.006 χ^2/NDF: 1839443.8/30

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

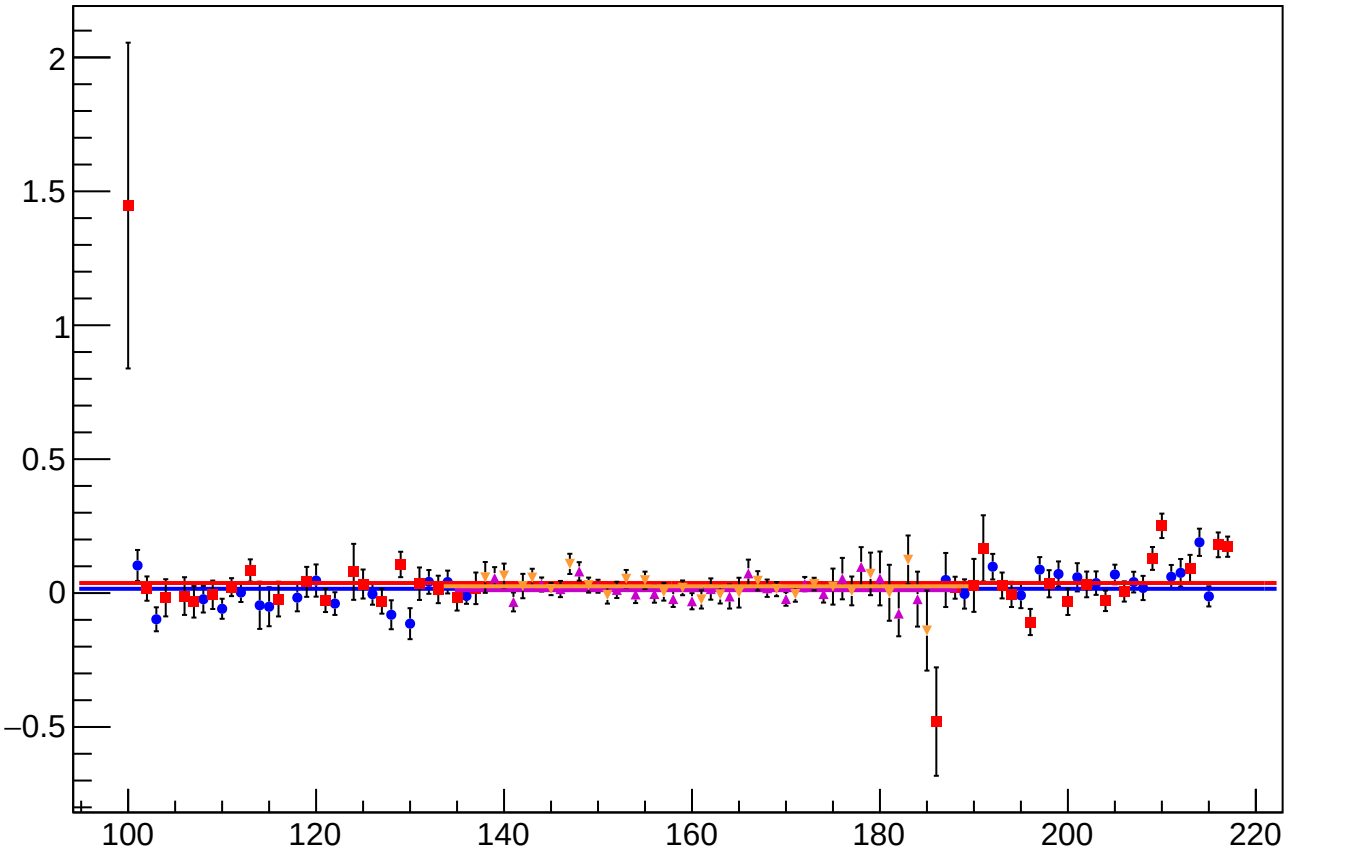
Right Out: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.692+/-0.004 χ^2/NDF: 6213789.7/55

All: 32.041+/-0.003 χ^2/NDF: 11935882.2/114

- sign 32.403+/-0.004 χ^2/NDF: 5705142.3/58



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

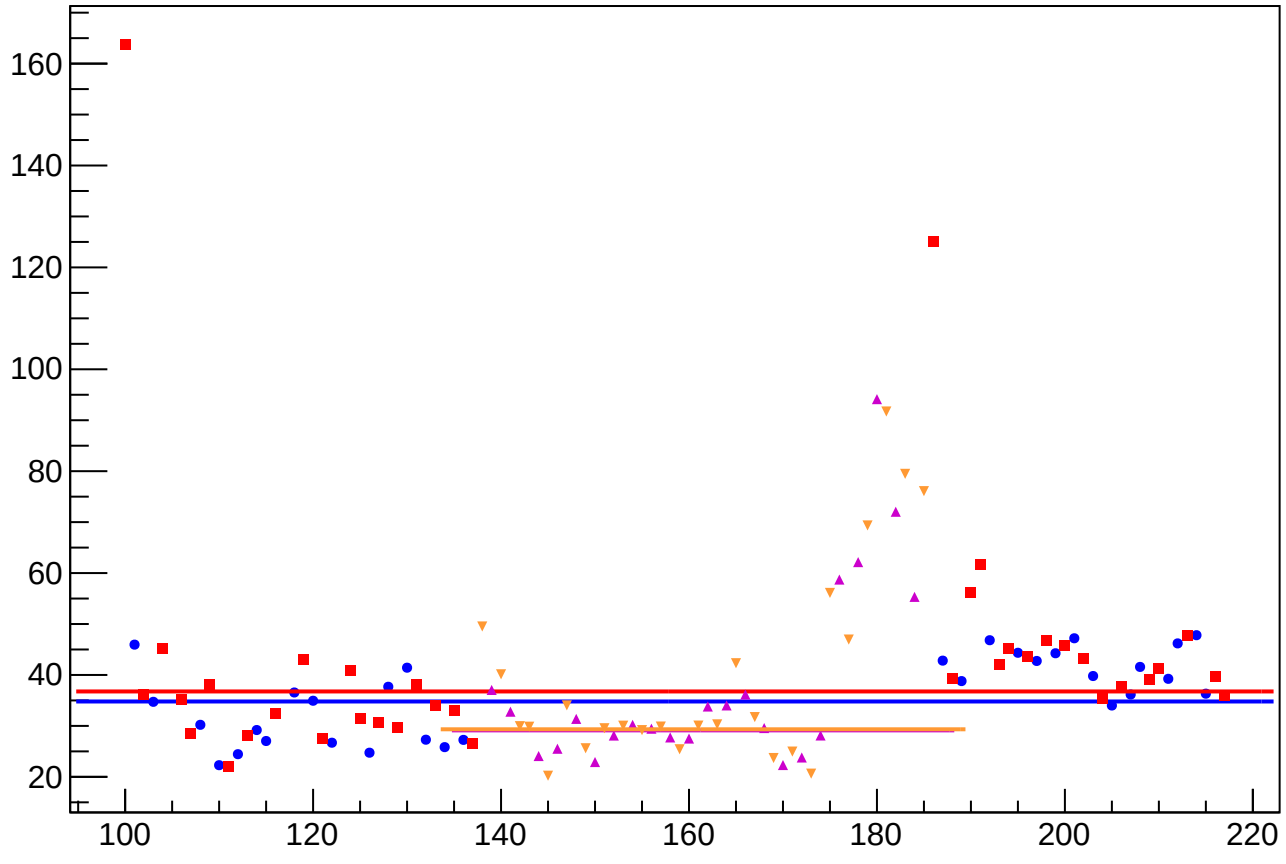
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.021+/-0.005 χ^2/NDF: 70.7/55

All: 0.022+/-0.004 χ^2/NDF: 188.3/114

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.794+/-0.006 χ^2/NDF: 1839443.8/30

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

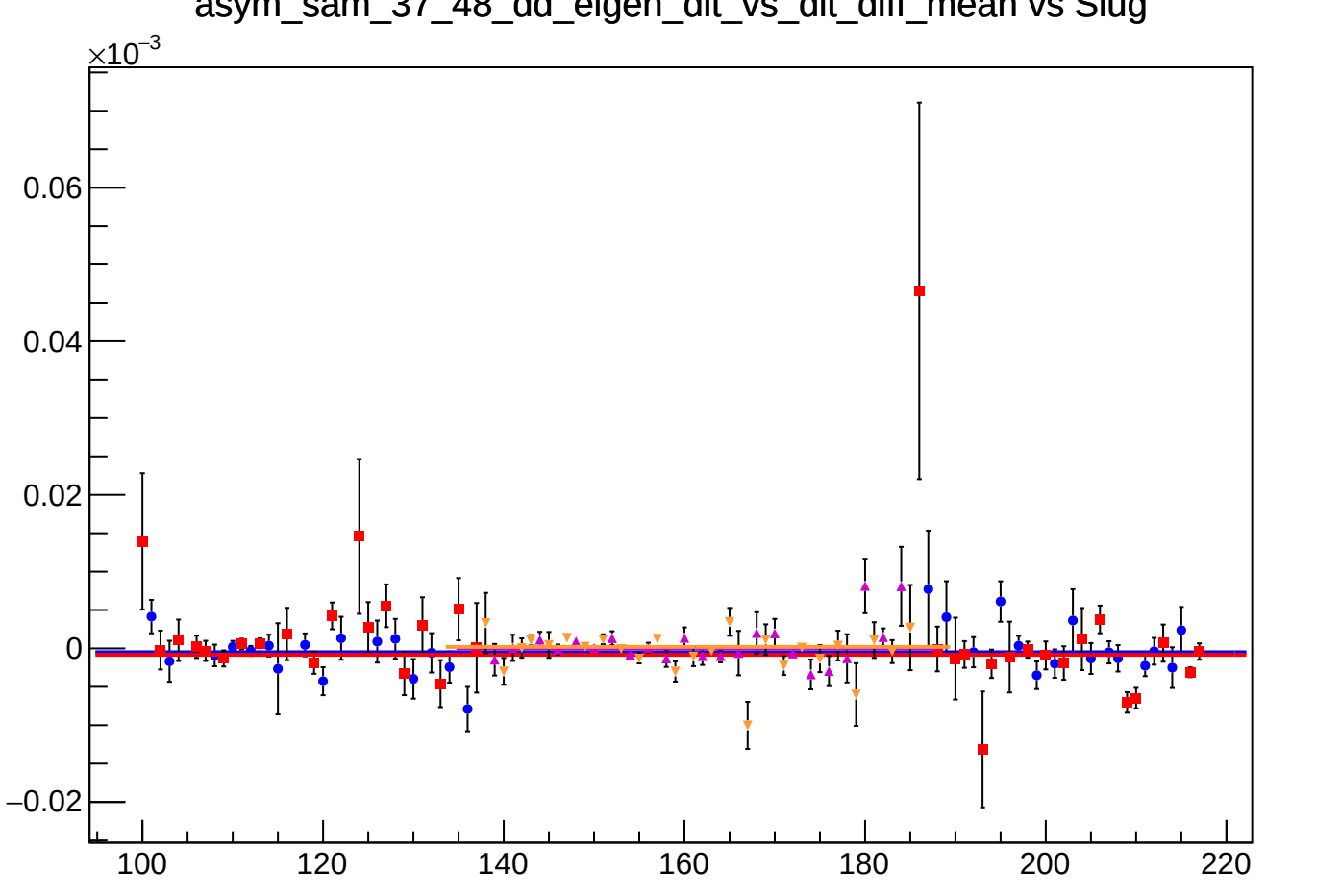
Right Out: 36.764+/-0.006 χ^2/NDF: 1925125.4/35

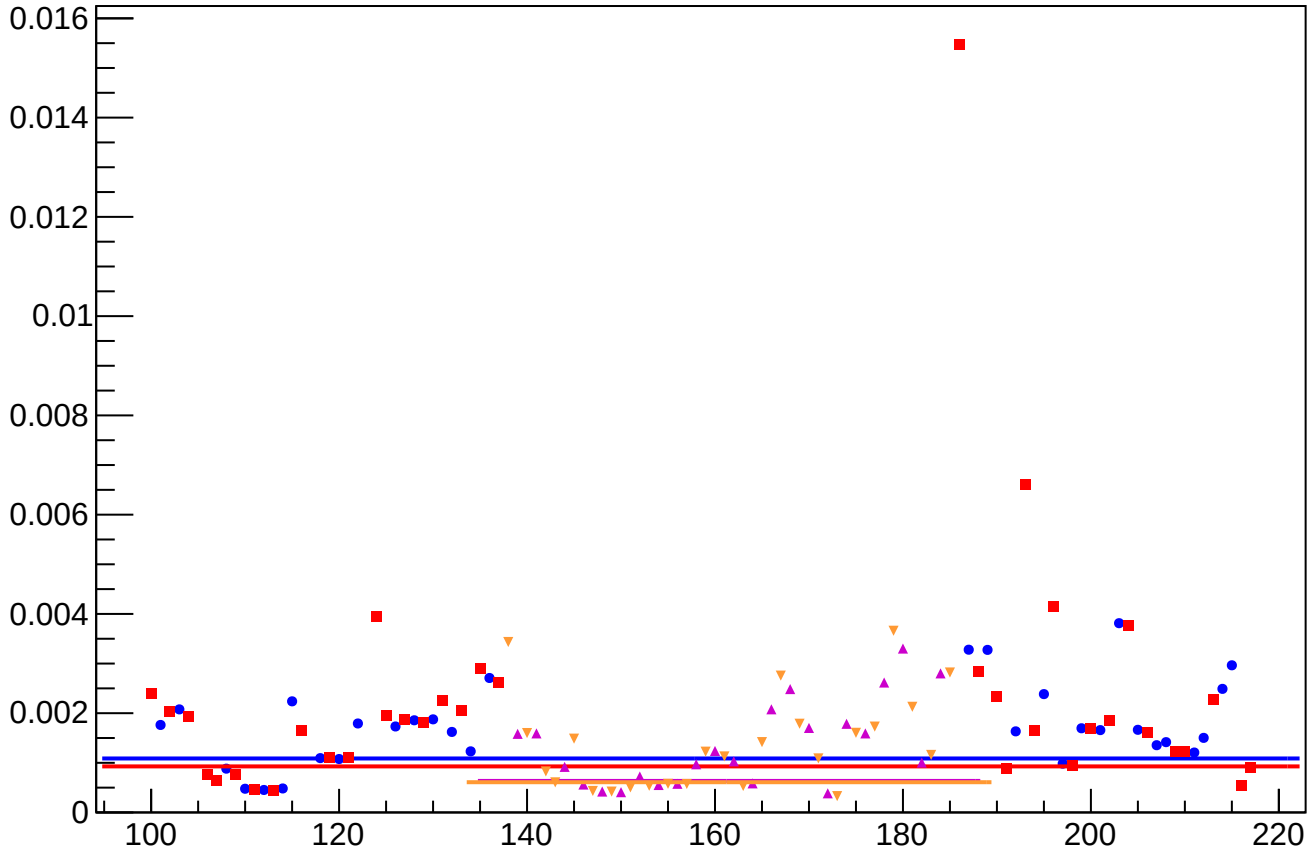
Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.692+/-0.004 χ^2/NDF: 6213789.7/55

All: 32.041+/-0.003 χ^2/NDF: 11935882.2/114

- sign 32.403+/-0.004 χ^2/NDF: 5705142.3/58


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 38.1/30
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 104.3/35
Left In: 0.000+/-0.000 χ²/NDF:32.9/22
+ sign 0.000+/-0.000 χ²/NDF: 94.9/55
All: -0.000+/-0.000 χ²/NDF: 241.4/114
- sign -0.000+/-0.000 χ²/NDF: 144.3/58



Right In: 0.001+/-0.000 χ^2/NDF: 9799487.2/30

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

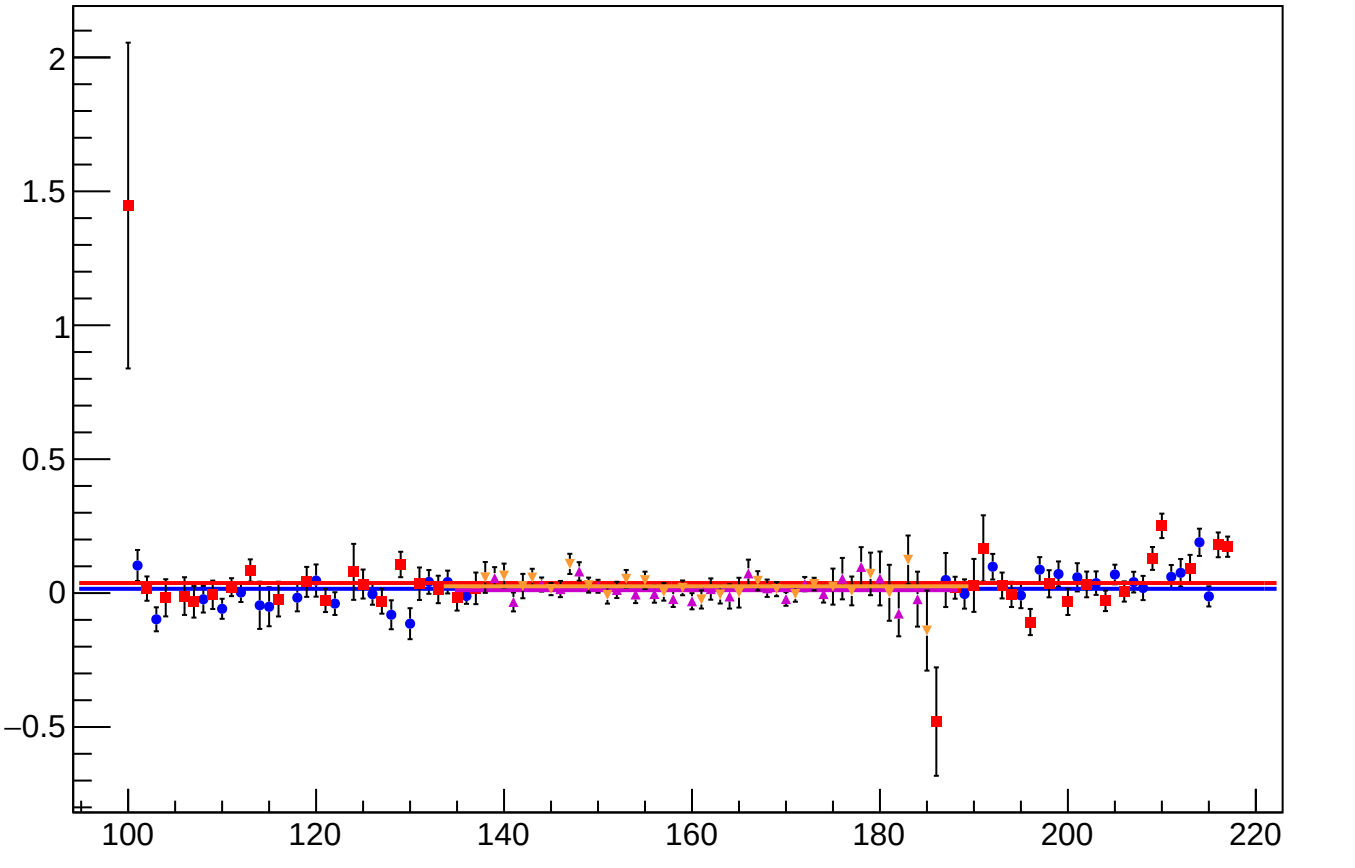
Right Out: 0.001+/-0.000 χ^2/NDF: 12628301.1/35

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 24655230.9/55

All: 0.001+/-0.000 χ^2/NDF: 48423309.7/114

- sign 0.001+/-0.000 χ^2/NDF: 23764044.4/58



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

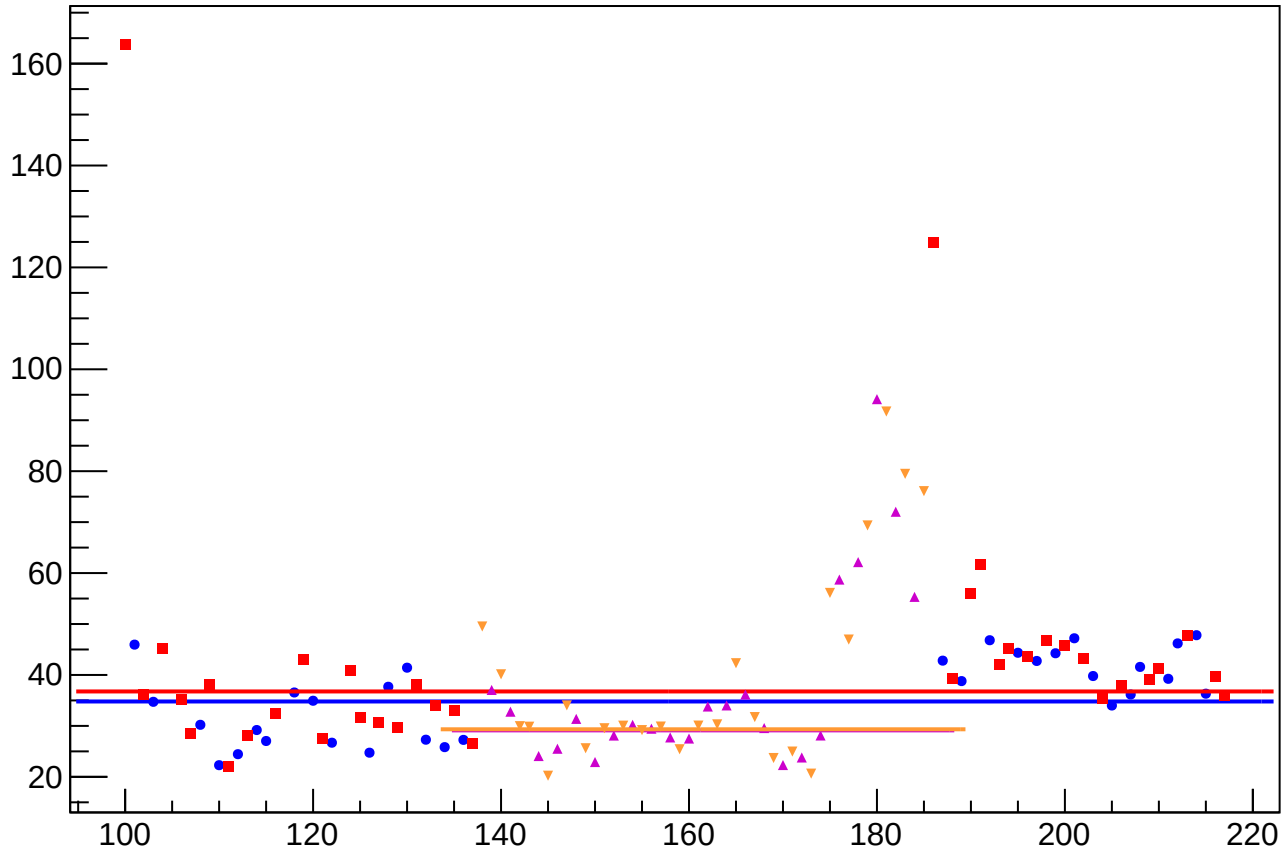
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.021+/-0.005 χ^2/NDF: 70.7/55

All: 0.022+/-0.004 χ^2/NDF: 188.3/114

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.794+/-0.006 χ^2/NDF: 1839339.9/30

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

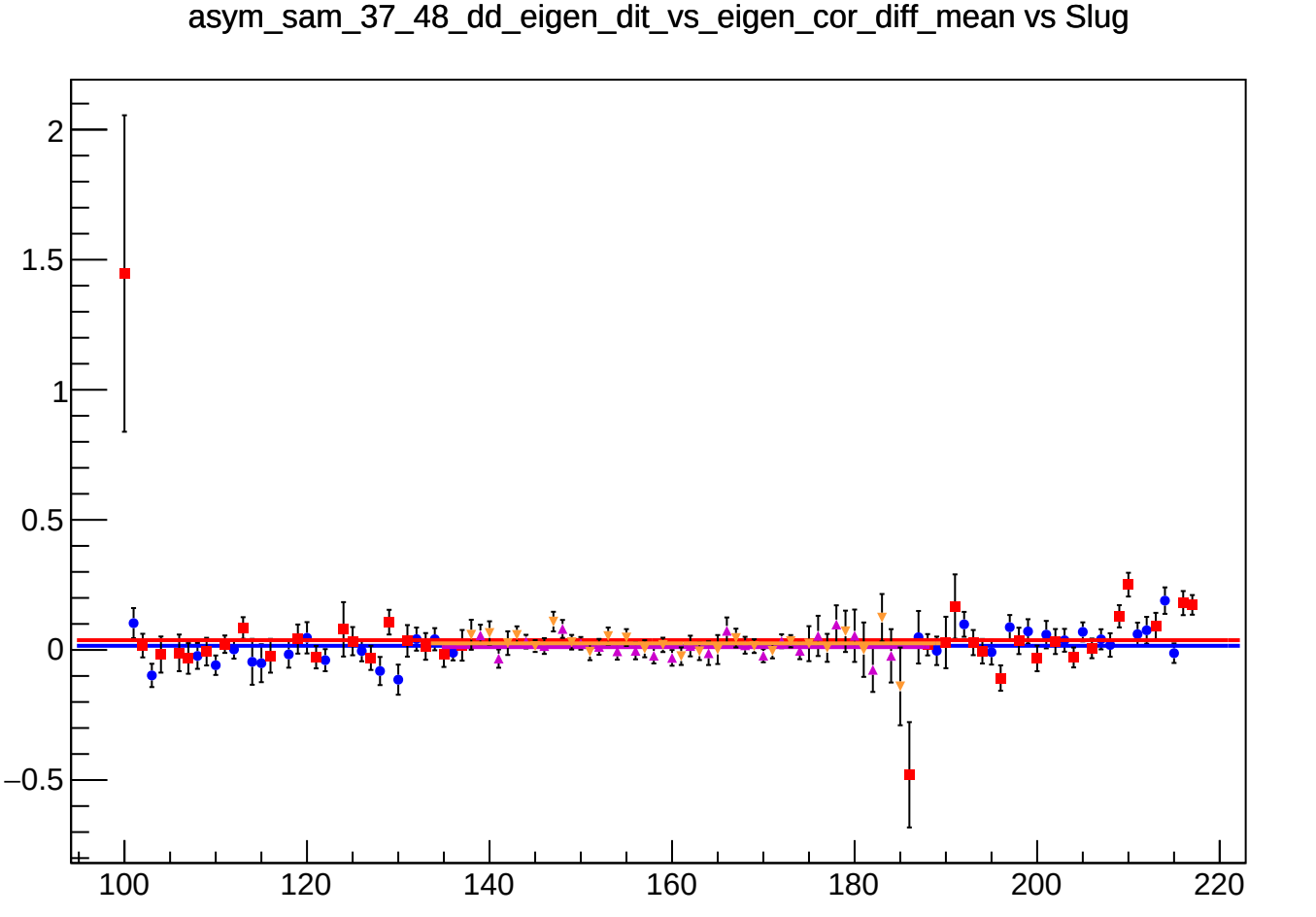
Right Out: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.692+/-0.004 χ^2/NDF: 6213777.2/55

All: 32.041+/-0.003 χ^2/NDF: 11935770.3/114

- sign 32.403+/-0.004 χ^2/NDF: 5705039.4/58



Right In: 0.016+/-0.008 χ^2/NDF: 52.5/30

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

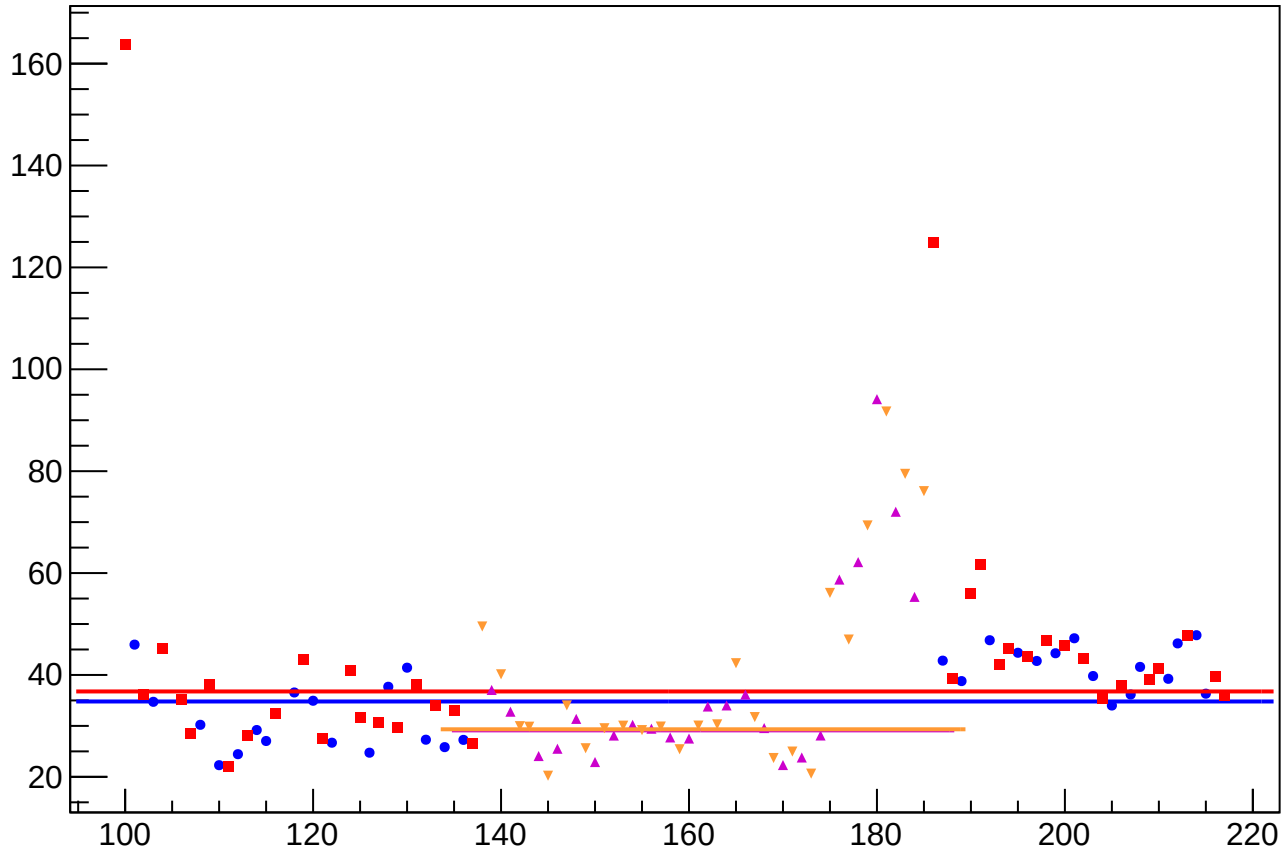
Right Out: 0.038+/-0.008 χ^2/NDF: 92.9/35

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.021+/-0.005 χ^2/NDF: 70.7/55

All: 0.022+/-0.004 χ^2/NDF: 188.3/114

- sign 0.022+/-0.006 χ^2/NDF: 117.6/58



Right In: 34.794+/-0.006 χ^2/NDF: 1839339.9/30

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

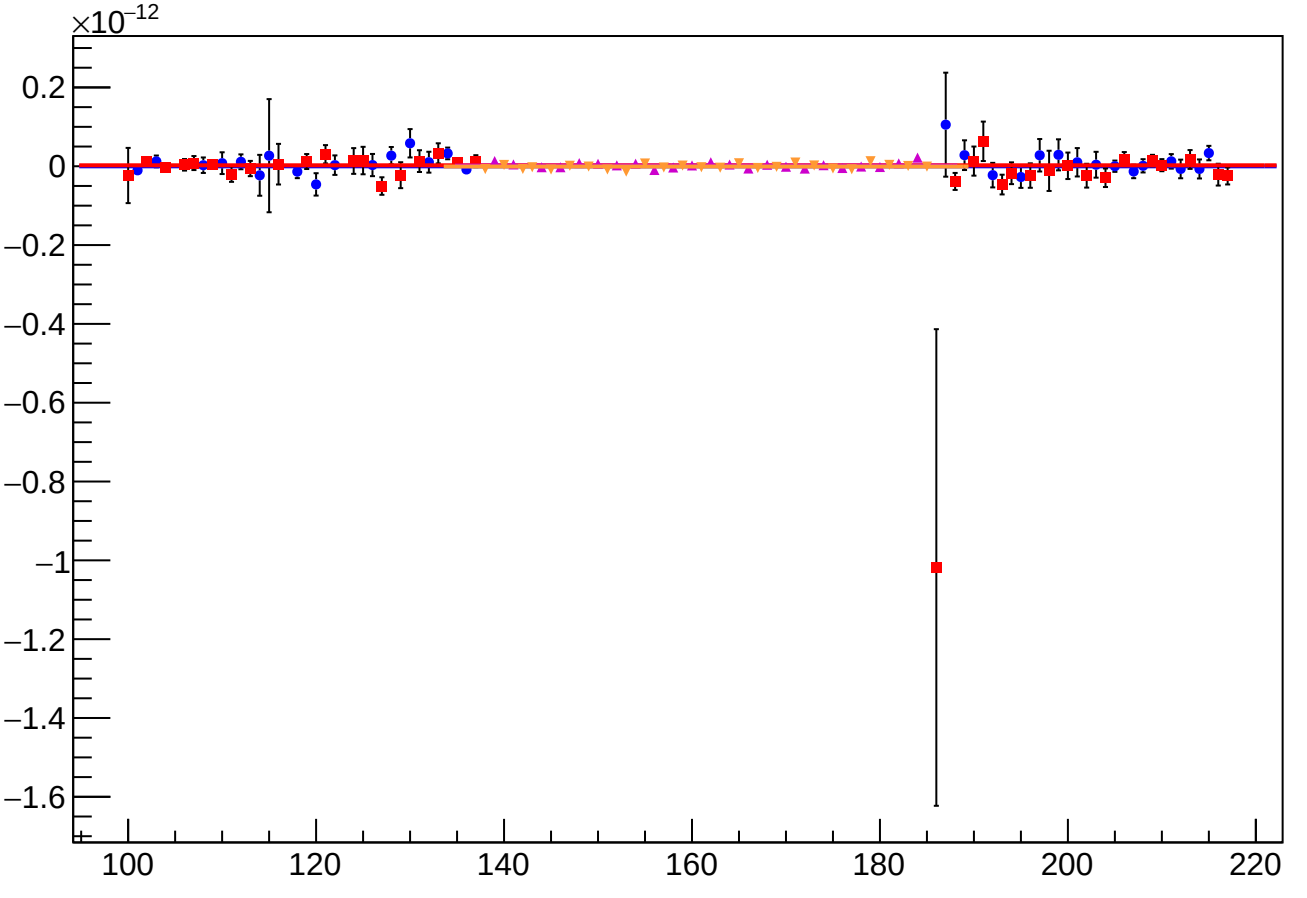
Right Out: 36.764+/-0.006 χ^2/NDF: 1924999.9/35

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.692+/-0.004 χ^2/NDF: 6213777.2/55

All: 32.041+/-0.003 χ^2/NDF: 11935770.3/114

- sign 32.403+/-0.004 χ^2/NDF: 5705039.4/58



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

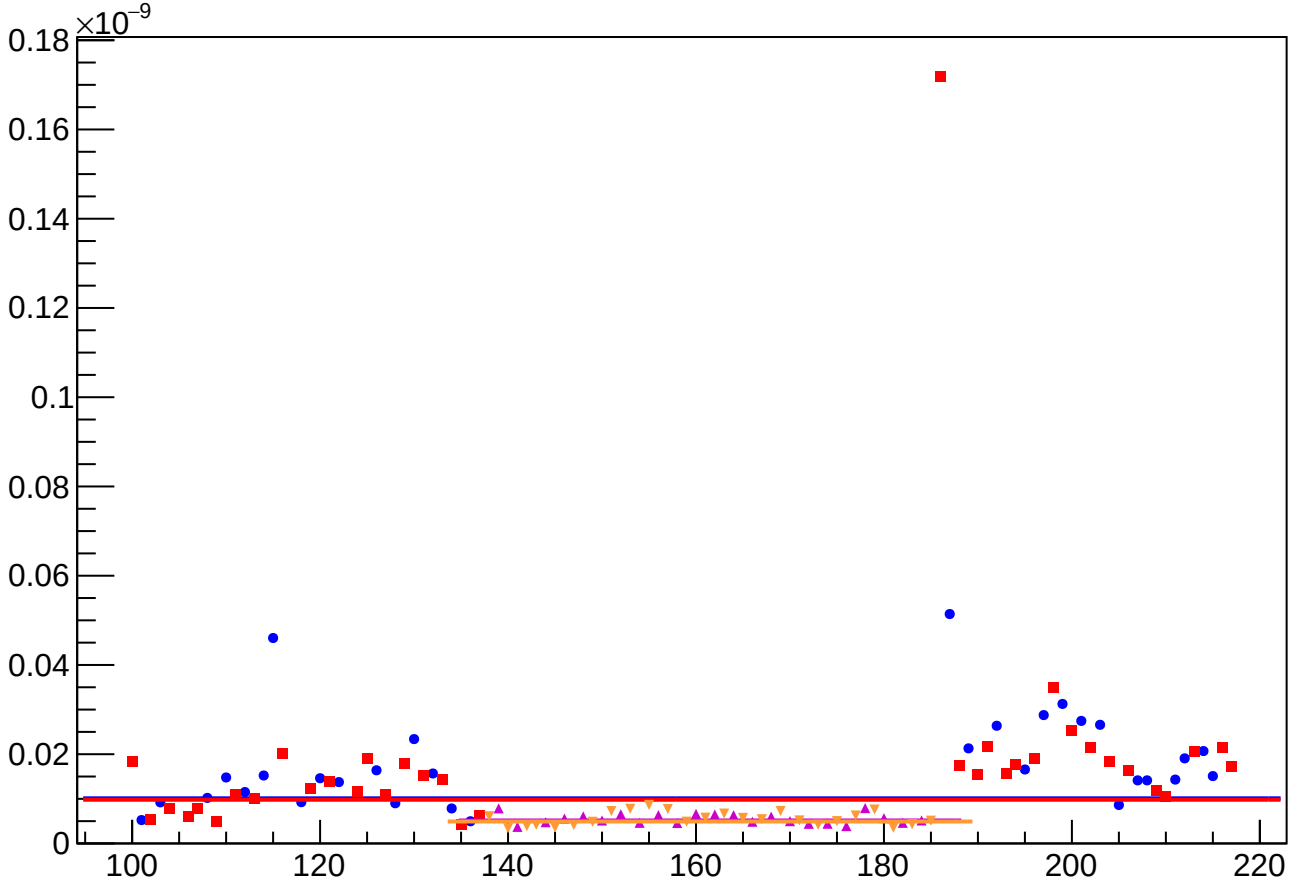
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/35

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.5/55

All: 0.000+/-0.000 χ^2/NDF: 92.6/114

- sign 0.000+/-0.000 χ^2/NDF: 50.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 7028737.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6766180.5/35

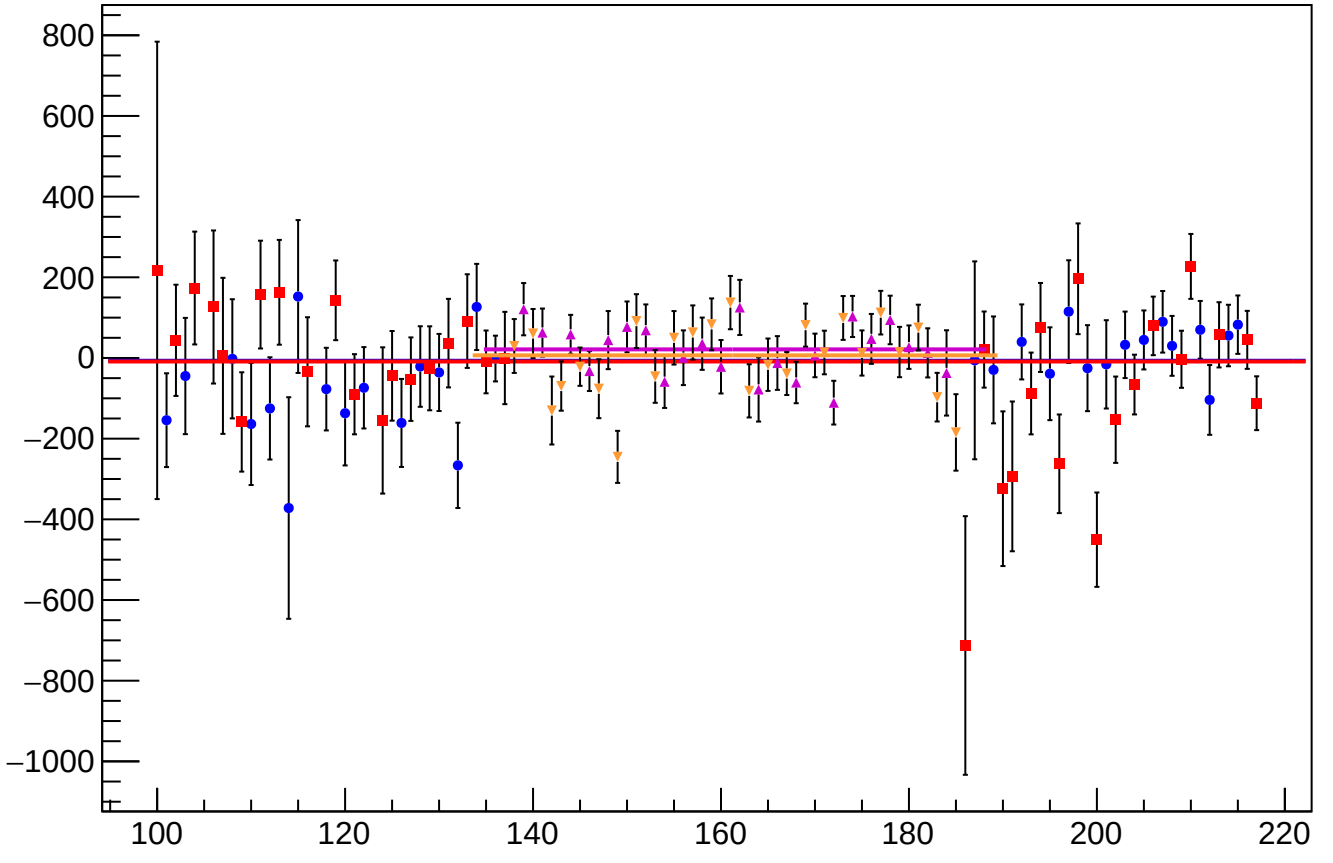
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13252907.6/55

All: 0.000+/-0.000 χ^2/NDF: 24700752.5/114

- sign 0.000+/-0.000 χ^2/NDF: 11408316.4/58

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -6.908+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.685+/-17.589 χ^2/NDF: 60.3/35

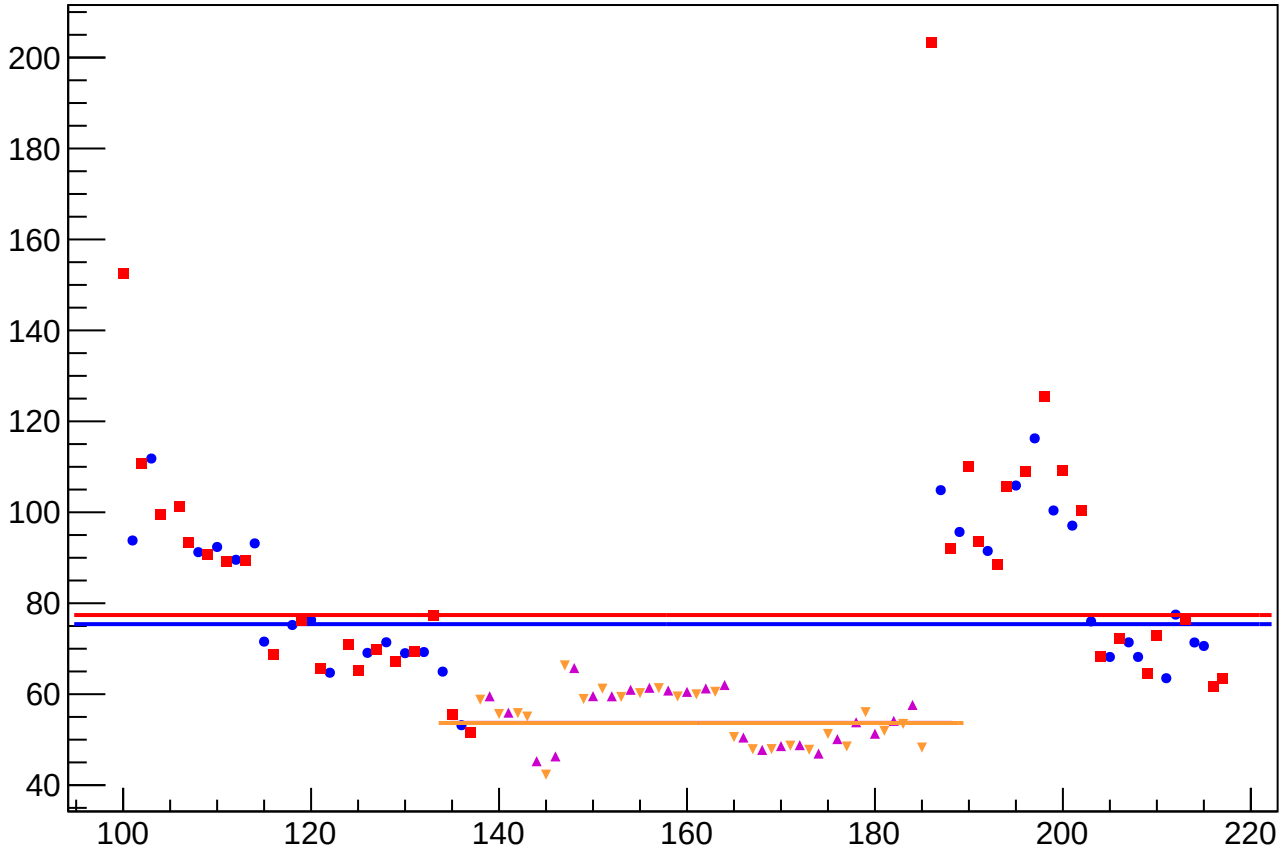
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 2.122+/-10.075 χ^2/NDF: 77.2/55

All: 6.526+/-7.192 χ^2/NDF: 165.2/114

- sign 11.102+/-10.269 χ^2/NDF: 87.6/58

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.404+/-0.012 χ^2/NDF: 1419372.4/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 77.404+/-0.012 χ^2/NDF: 2169189.7/35

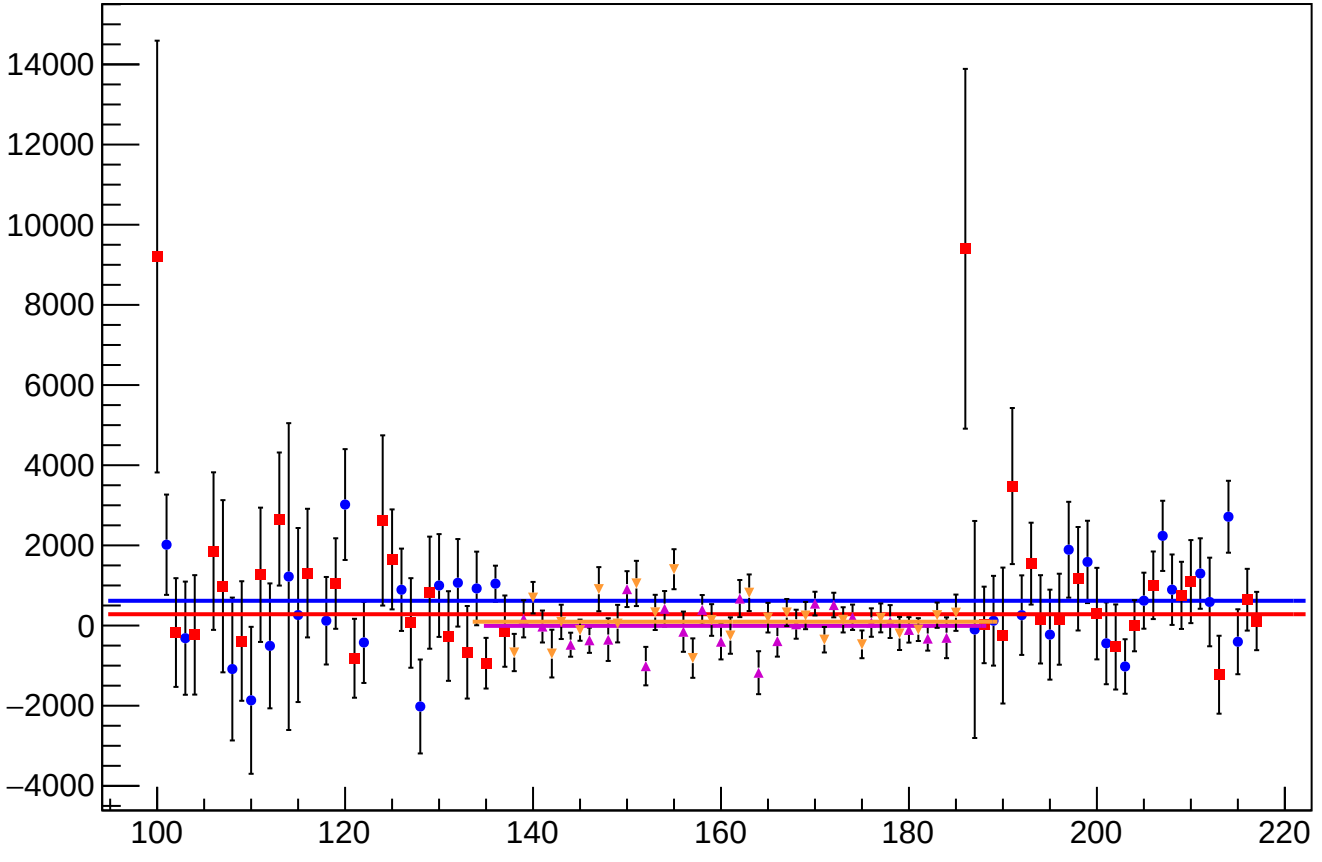
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.788+/-0.007 χ^2/NDF: 3942537.9/55

All: 61.273+/-0.005 χ^2/NDF: 8987738.4/114

- sign 61.777+/-0.007 χ^2/NDF: 5035747.2/58

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 617.675+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

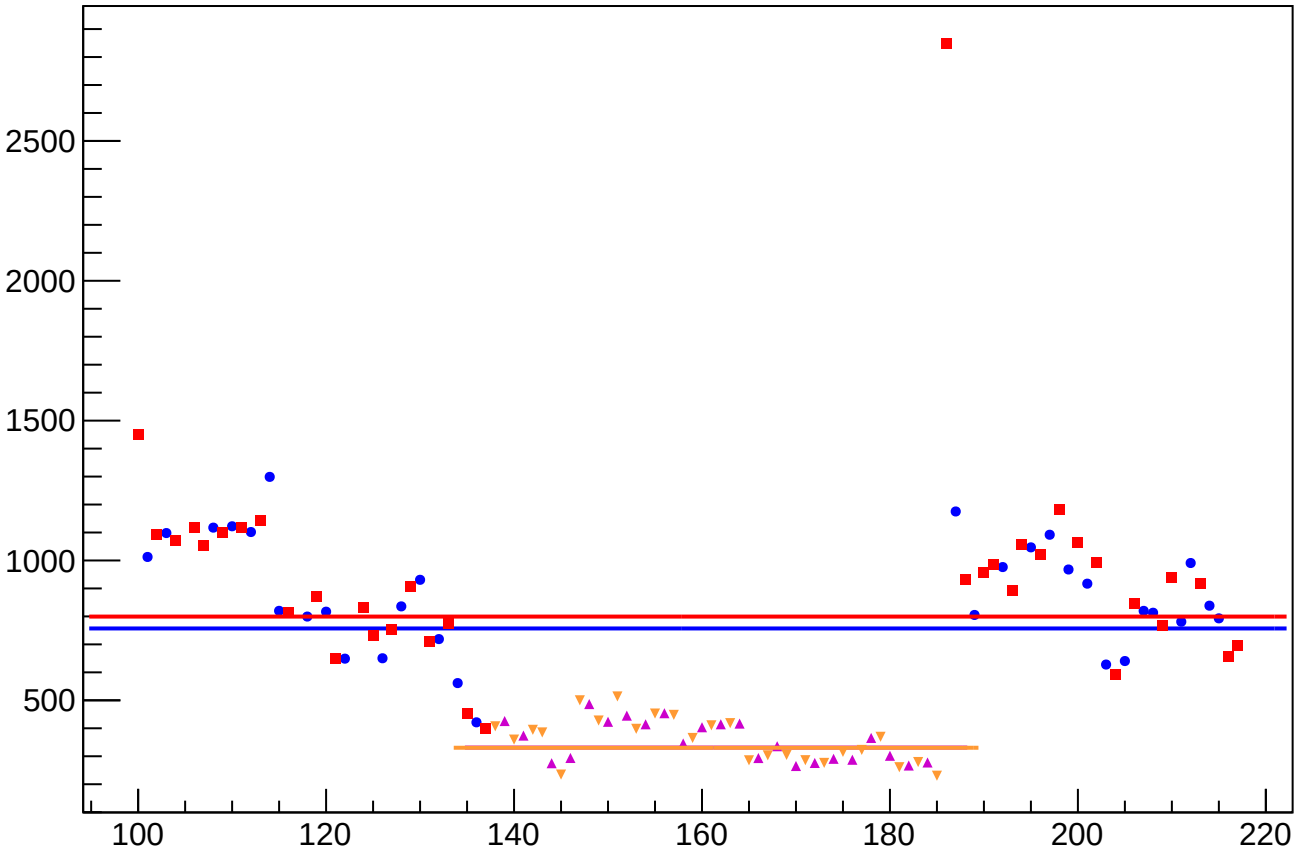
Right Out: 282.525+/-183.216 χ^2/NDF: 30.1/35

Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 176.962+/-70.860 χ^2/NDF: 77.1/55

All: 109.094+/-50.723 χ^2/NDF: 143.5/114

- sign 37.770+/-72.641 χ^2/NDF: 64.5/58



Right In: 756.919+/-0.127 χ^2/NDF: 2637966.4/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 799.401+/-0.130 χ^2/NDF: 3050835.0/35

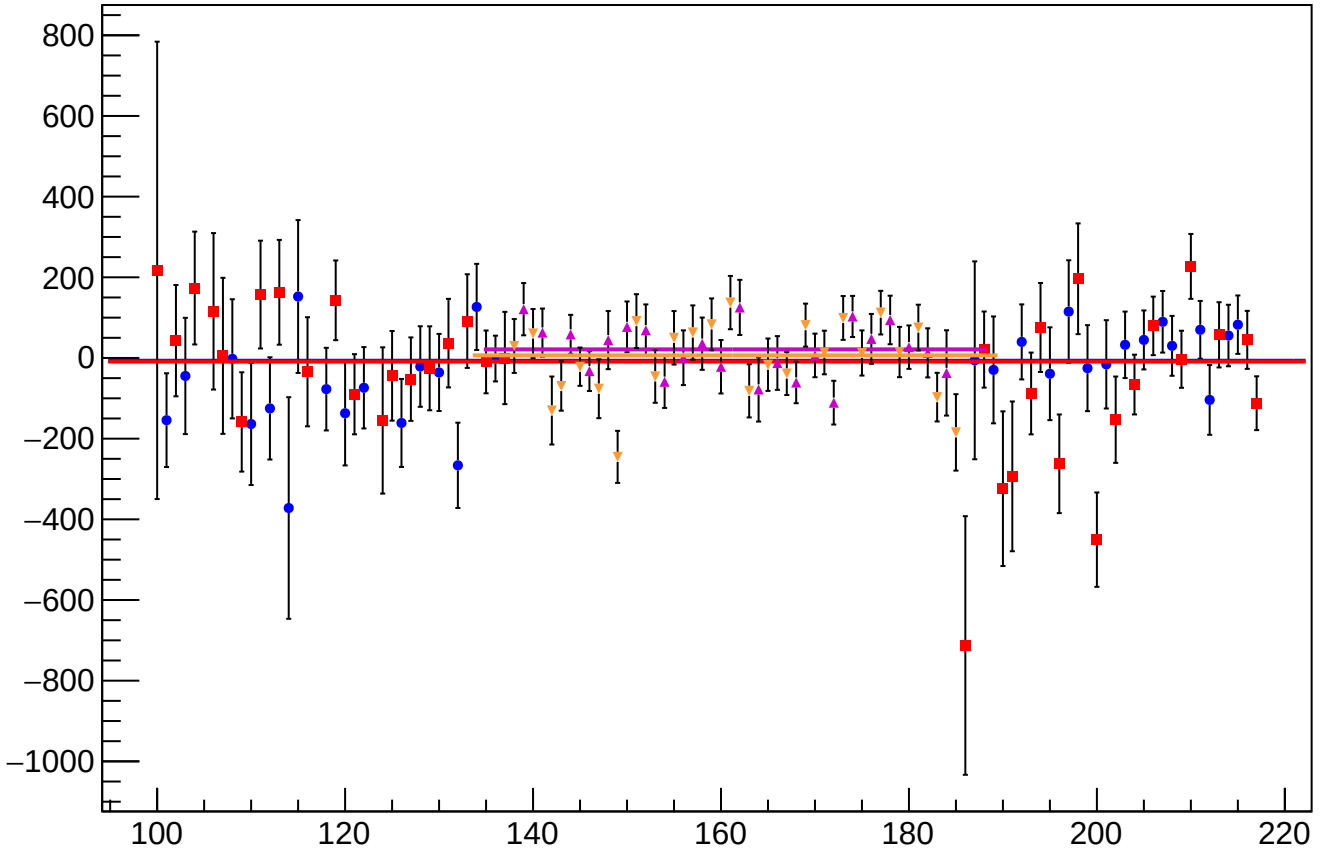
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 396.974+/-0.050 χ^2/NDF: 13934594.7/55

All: 400.731+/-0.036 χ^2/NDF: 29336892.3/11

- sign 404.679+/-0.051 χ^2/NDF: 15390767.8/58

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -6.902+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.836+/-17.593 χ^2/NDF: 60.2/35

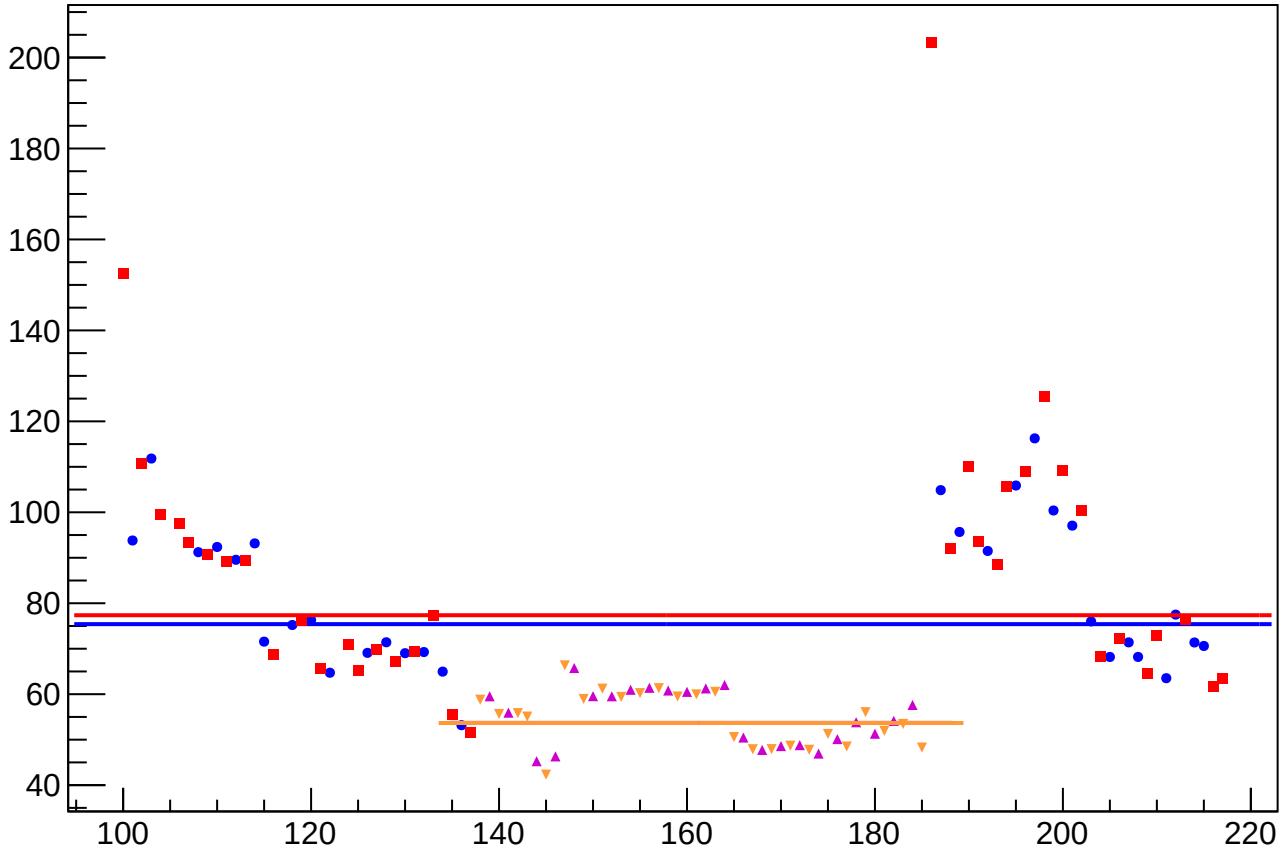
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 2.126+/-10.075 χ^2/NDF: 77.2/55

All: 6.504+/-7.192 χ^2/NDF: 165.1/114

- sign 11.052+/-10.270 χ^2/NDF: 87.5/58

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.404+/-0.012 χ^2/NDF: 1419374.8/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

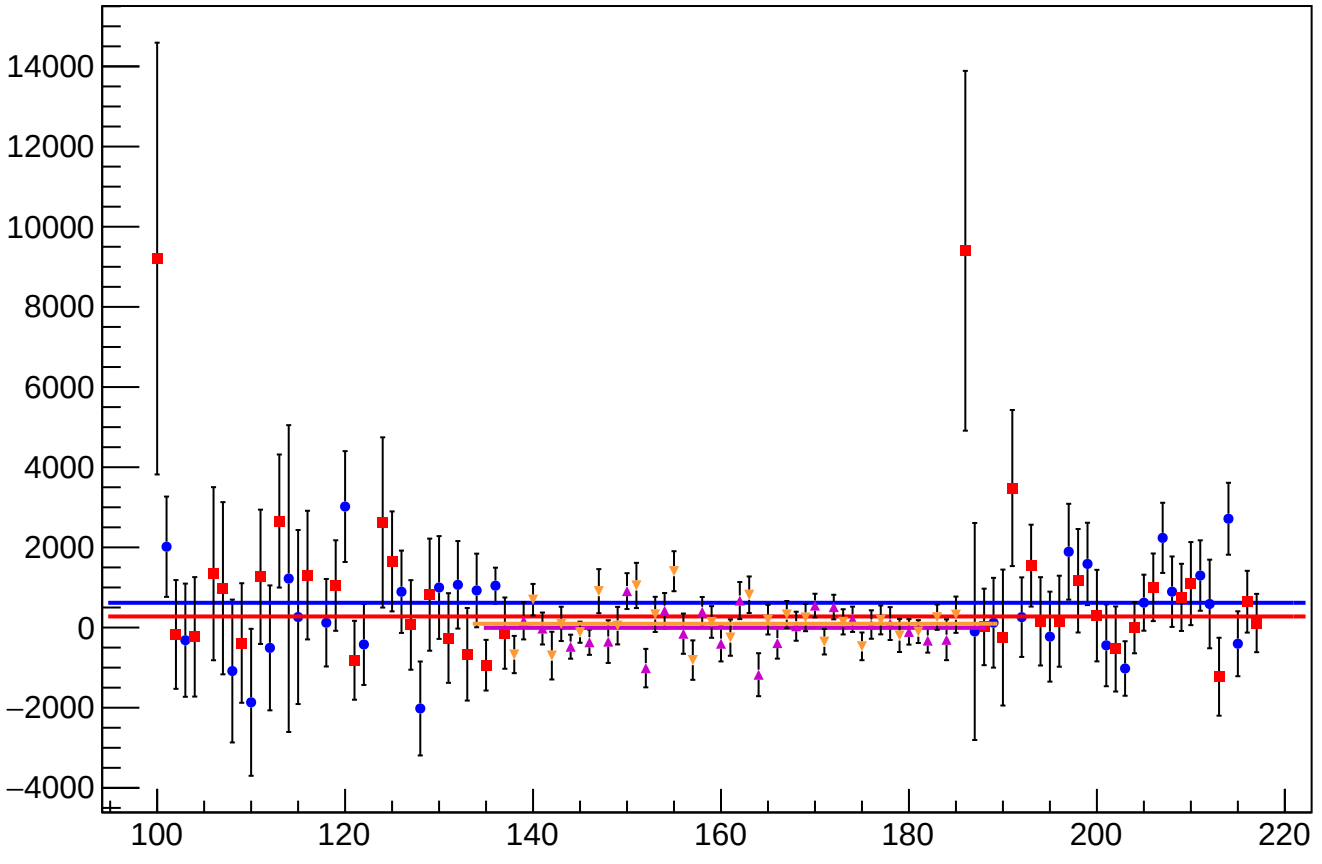
Right Out: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

\+ sign 60.788+/-0.007 χ^2/NDF: 3942540.5/55

All: 61.265+/-0.005 χ^2/NDF: 8969358.0/114

\- sign 61.761+/-0.007 χ^2/NDF: 5017653.6/58



Right In: 617.673+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 276.534+/-183.355 χ^2/NDF: 29.7/35

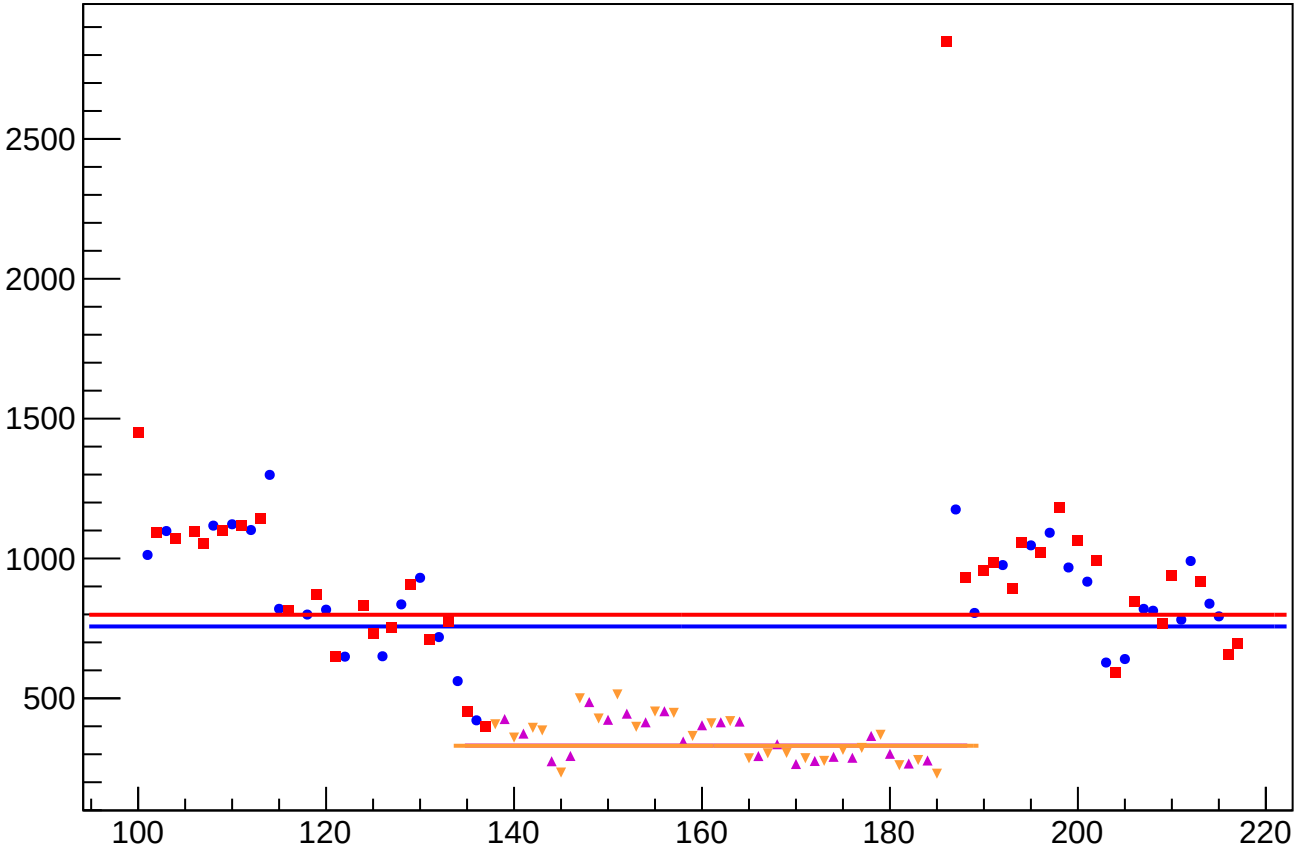
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 176.963+/-70.860 χ^2/NDF: 77.1/55

All: 108.617+/-50.726 χ^2/NDF: 143.0/114

- sign 36.775+/-72.649 χ^2/NDF: 64.0/58

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 756.919+/-0.127 χ^2/NDF: 2637989.2/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

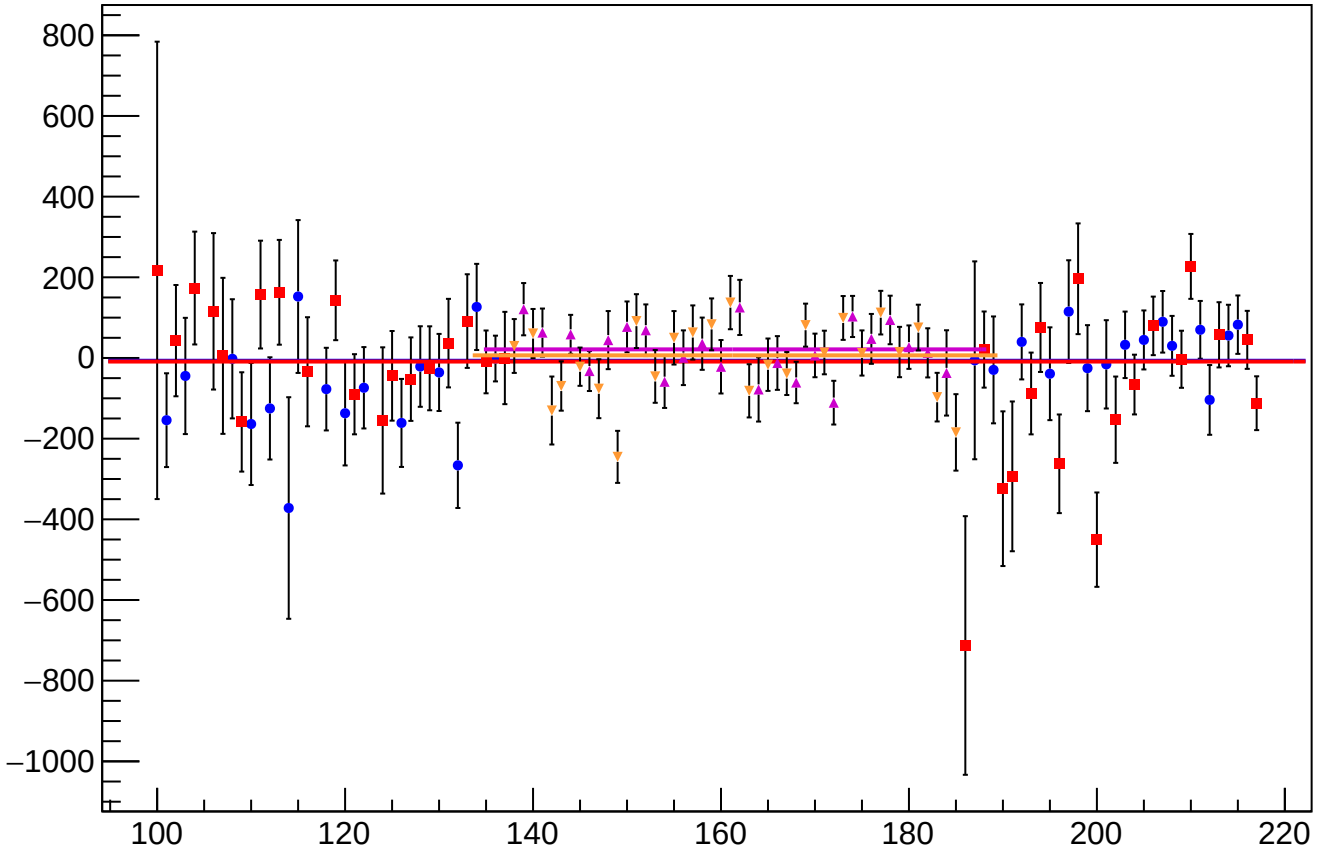
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 396.974+/-0.050 χ^2/NDF: 13934614.0/55

All: 400.636+/-0.036 χ^2/NDF: 29277837.2/11

- sign 404.485+/-0.051 χ^2/NDF: 15332266.4/58

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -6.902+/-17.602 χ^2/NDF: 26.2/30

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -8.836+/-17.593 χ^2/NDF: 60.2/35

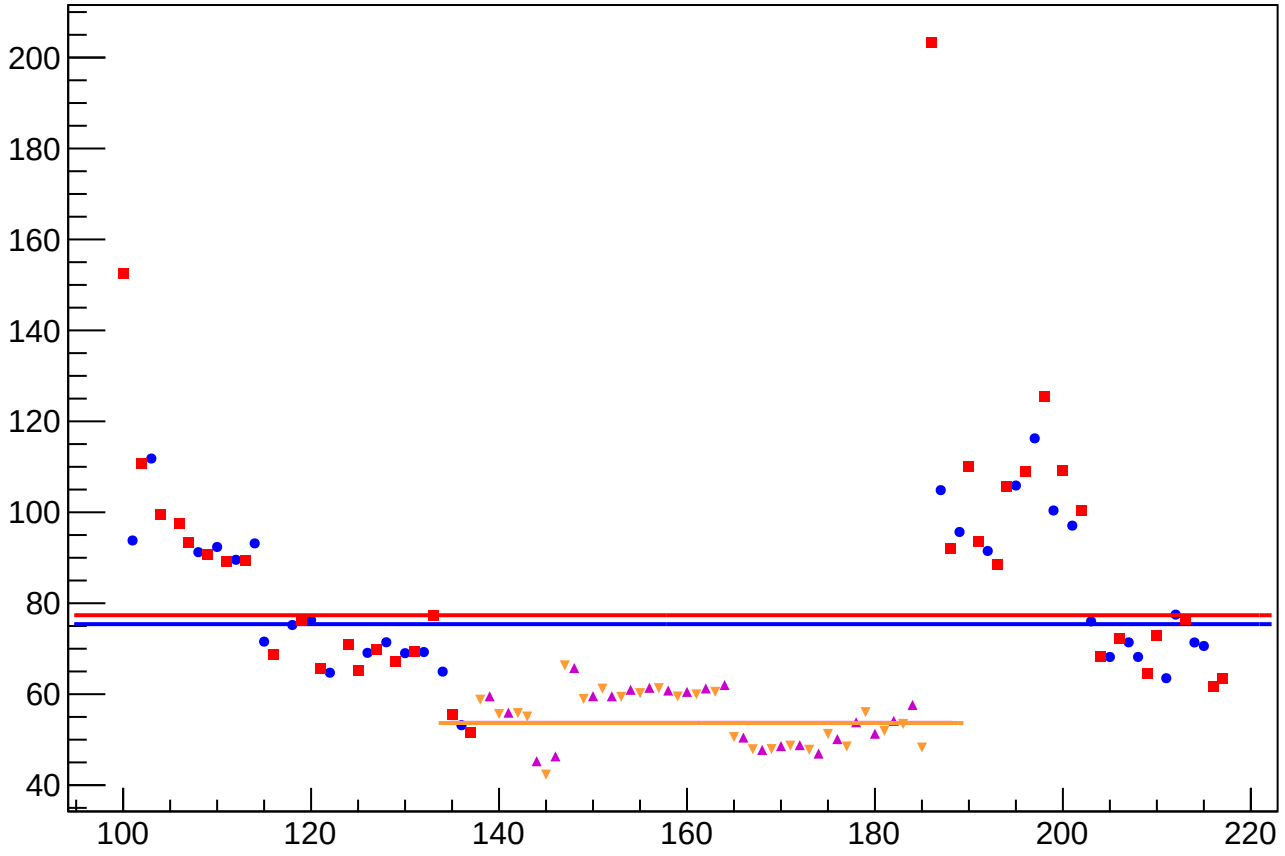
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 2.126+/-10.075 χ^2/NDF: 77.2/55

All: 6.504+/-7.192 χ^2/NDF: 165.1/114

- sign 11.052+/-10.270 χ^2/NDF: 87.5/58

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.404+/-0.012 χ^2/NDF: 1419374.8/30

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

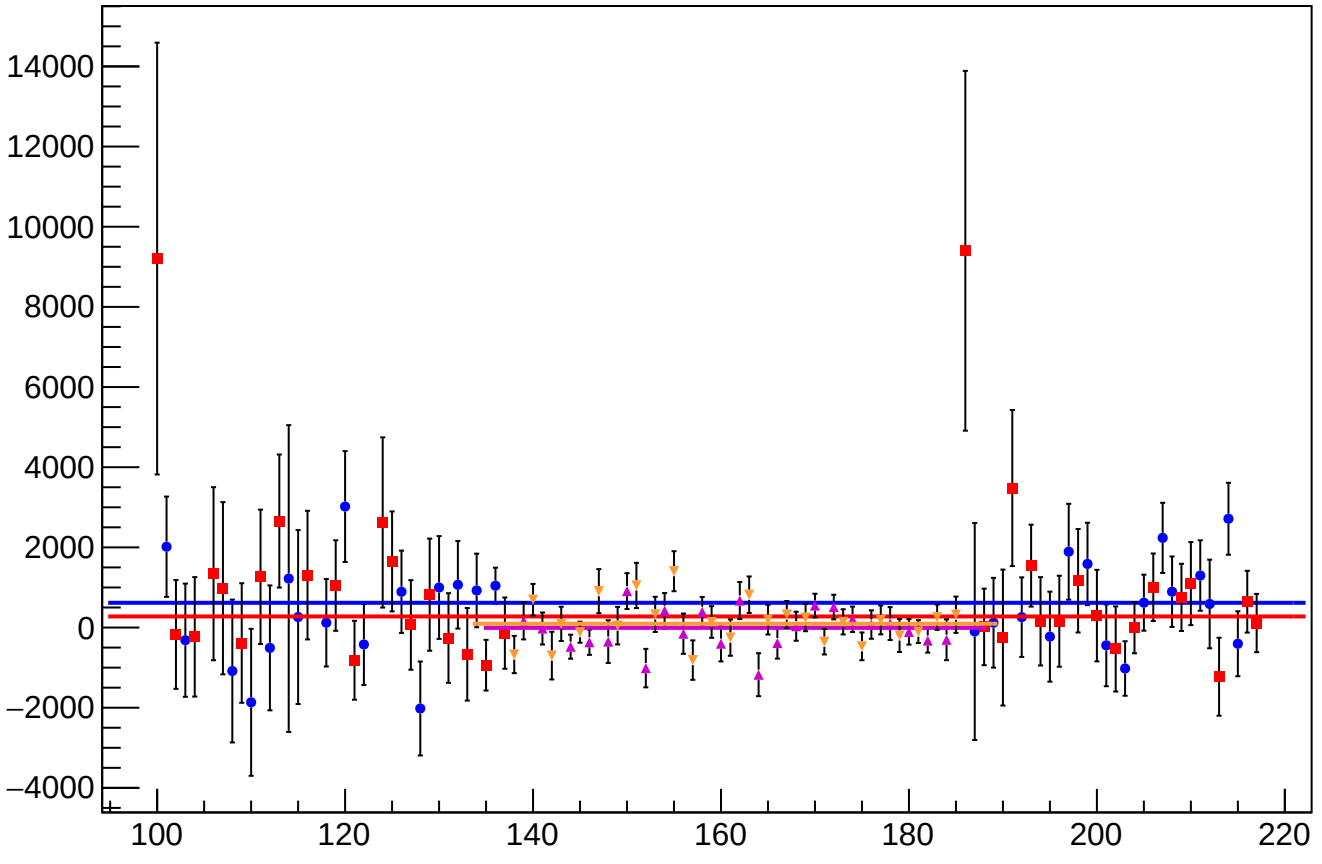
Right Out: 77.365+/-0.012 χ^2/NDF: 2159508.7/35

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.788+/-0.007 χ^2/NDF: 3942540.5/55

All: 61.265+/-0.005 χ^2/NDF: 8969358.0/114

- sign 61.761+/-0.007 χ^2/NDF: 5017653.6/58



Right In: 617.673+/-179.362 χ^2/NDF: 36.8/30

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

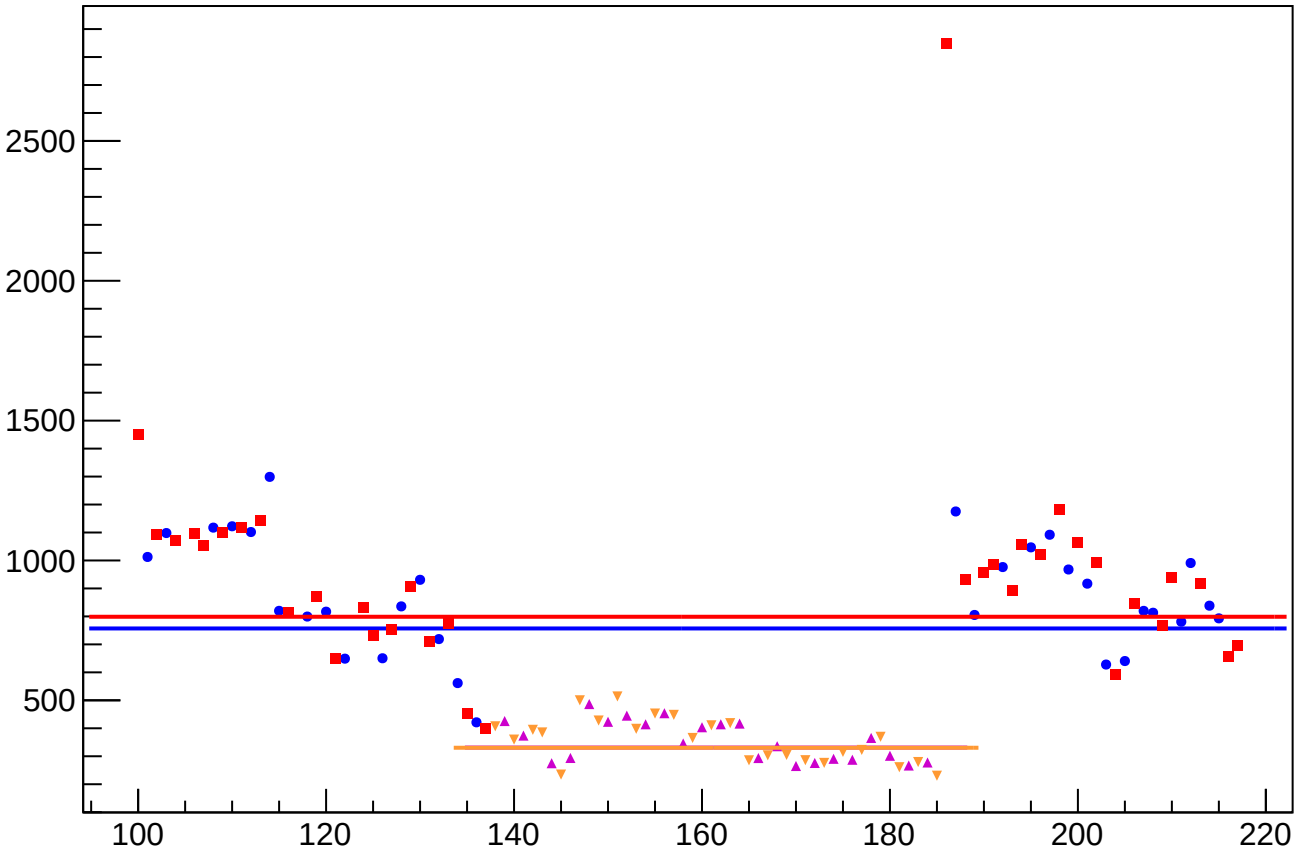
Right Out: 276.534+/-183.355 χ^2/NDF: 29.7/35

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 176.963+/-70.860 χ^2/NDF: 77.1/55

All: 108.617+/-50.726 χ^2/NDF: 143.0/114

- sign 36.775+/-72.649 χ^2/NDF: 64.0/58



Right In: 756.919+/-0.127 χ^2/NDF: 2637989.2/30

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 798.767+/-0.130 χ^2/NDF: 3036110.9/35

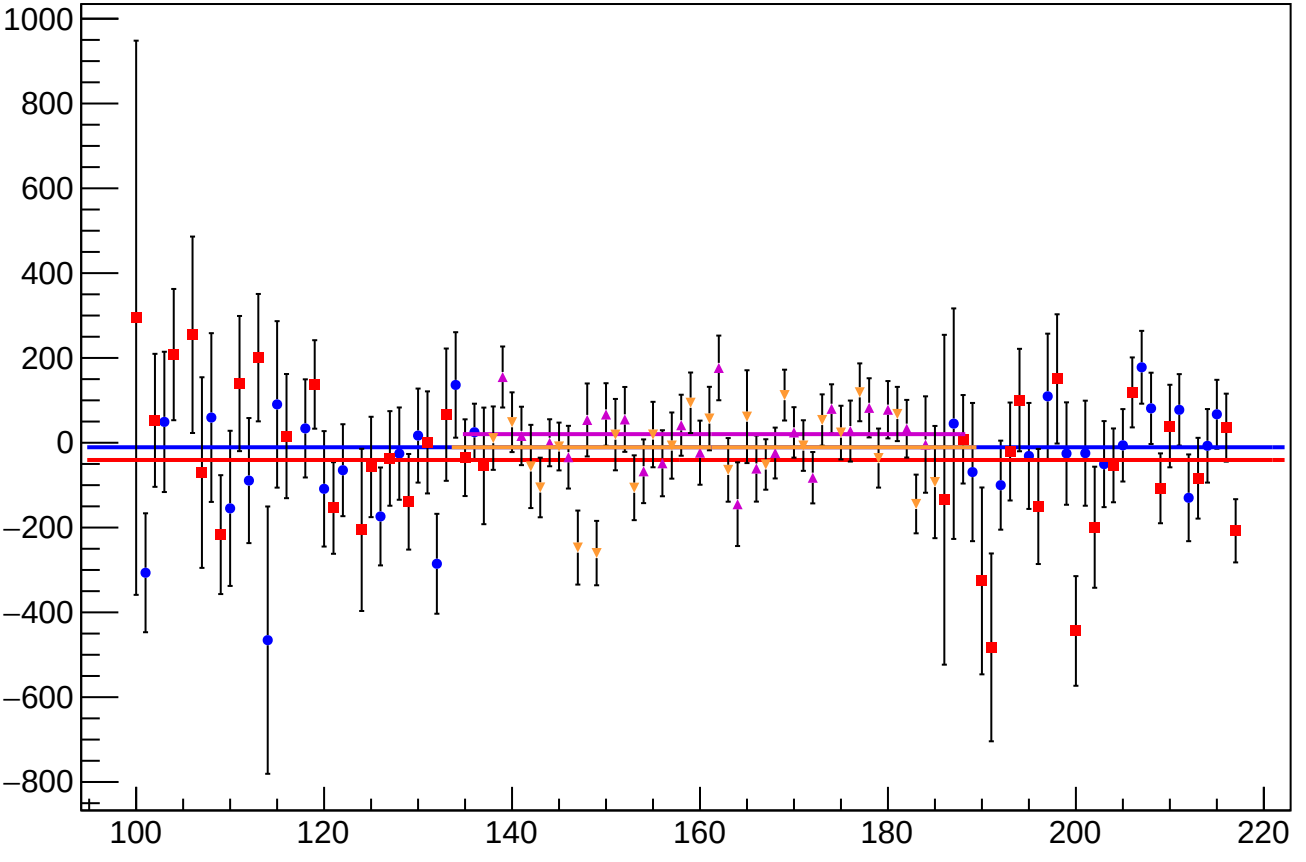
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 396.974+/-0.050 χ^2/NDF: 13934614.0/55

All: 400.636+/-0.036 χ^2/NDF: 29277837.2/11

- sign 404.485+/-0.051 χ^2/NDF: 15332266.4/58

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -10.621+/-20.185 χ^2/NDF: 29.2/30

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.640+/-20.033 χ^2/NDF: 48.3/35

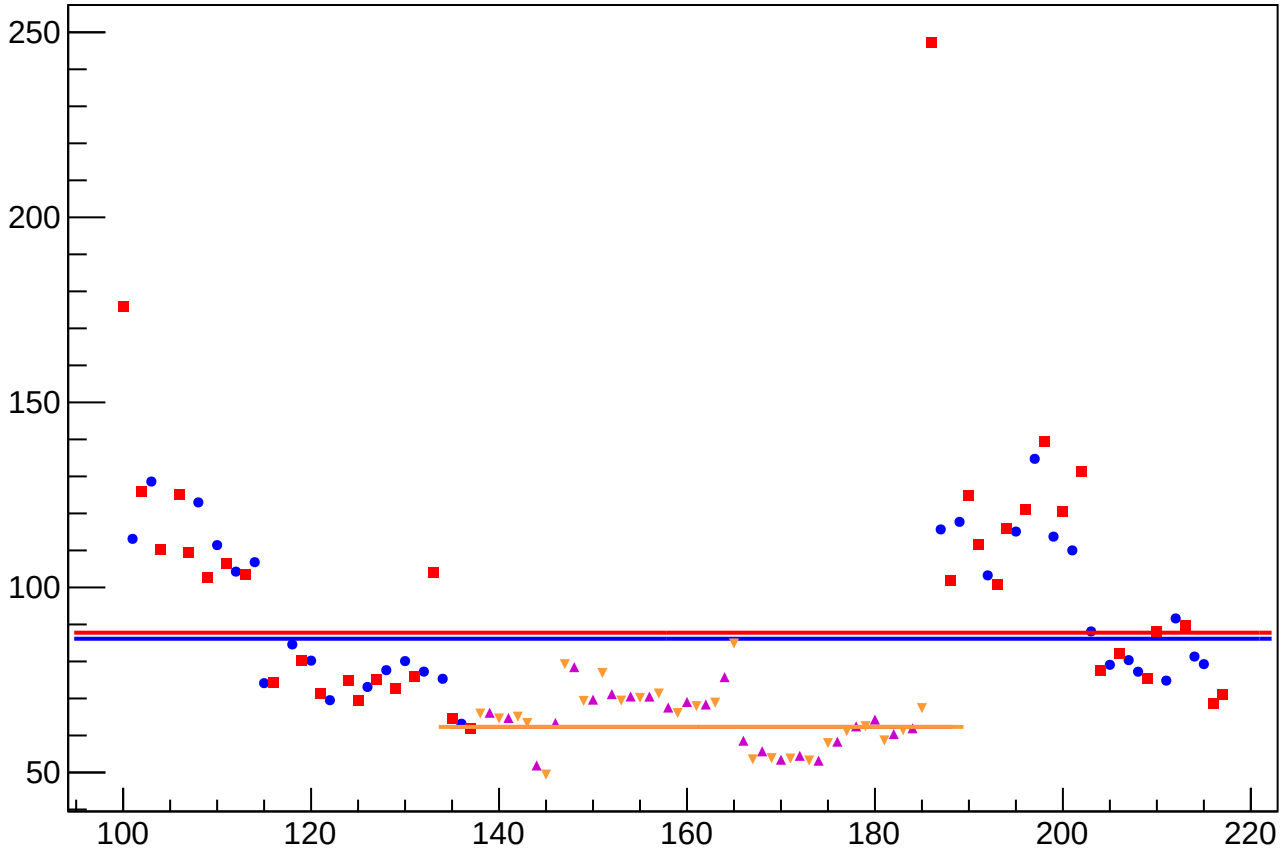
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -10.616+/-11.674 χ^2/NDF: 71.4/55

All: -5.950+/-8.326 χ^2/NDF: 147.7/114

- sign -1.119+/-11.878 χ^2/NDF: 76.0/58

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.139+/-0.014 χ^2/NDF: 1475693.8/30

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.770+/-0.014 χ^2/NDF: 2324865.8/35

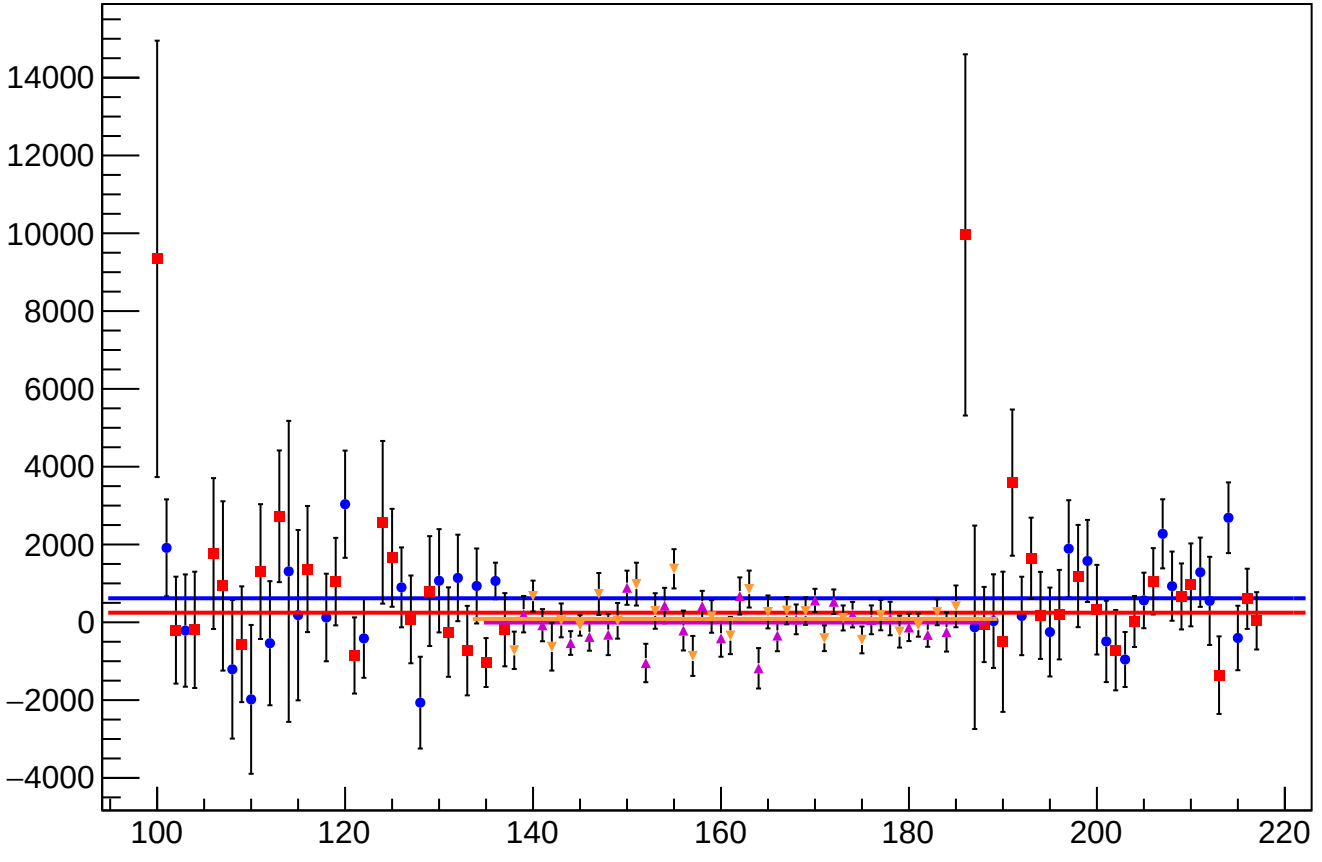
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 70.285+/-0.008 χ^2/NDF: 3965913.4/55

All: 70.764+/-0.006 χ^2/NDF: 8876859.1/114

- sign 71.260+/-0.008 χ^2/NDF: 4904085.9/58

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 617.433+/-183.912 χ^2/NDF: 35.7/30

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 247.191+/-185.400 χ^2/NDF: 32.1/35

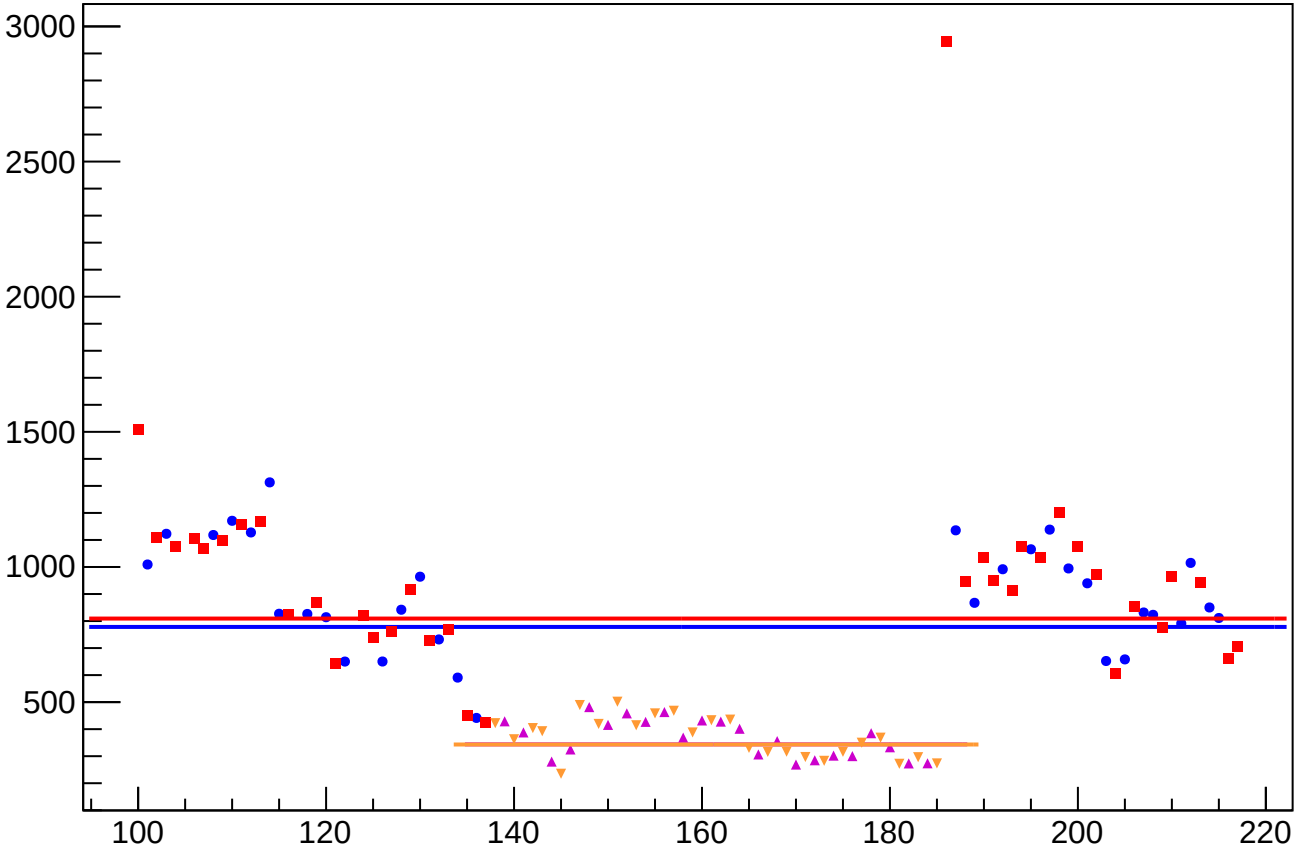
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 171.094+/-73.234 χ^2/NDF: 74.4/55

All: 104.789+/-52.424 χ^2/NDF: 142.2/114

- sign 35.103+/-75.077 χ^2/NDF: 66.1/58

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 778.207+/-0.130 χ^2/NDF: 2493179.5/30

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.199+/-0.131 χ^2/NDF: 3045448.0/35

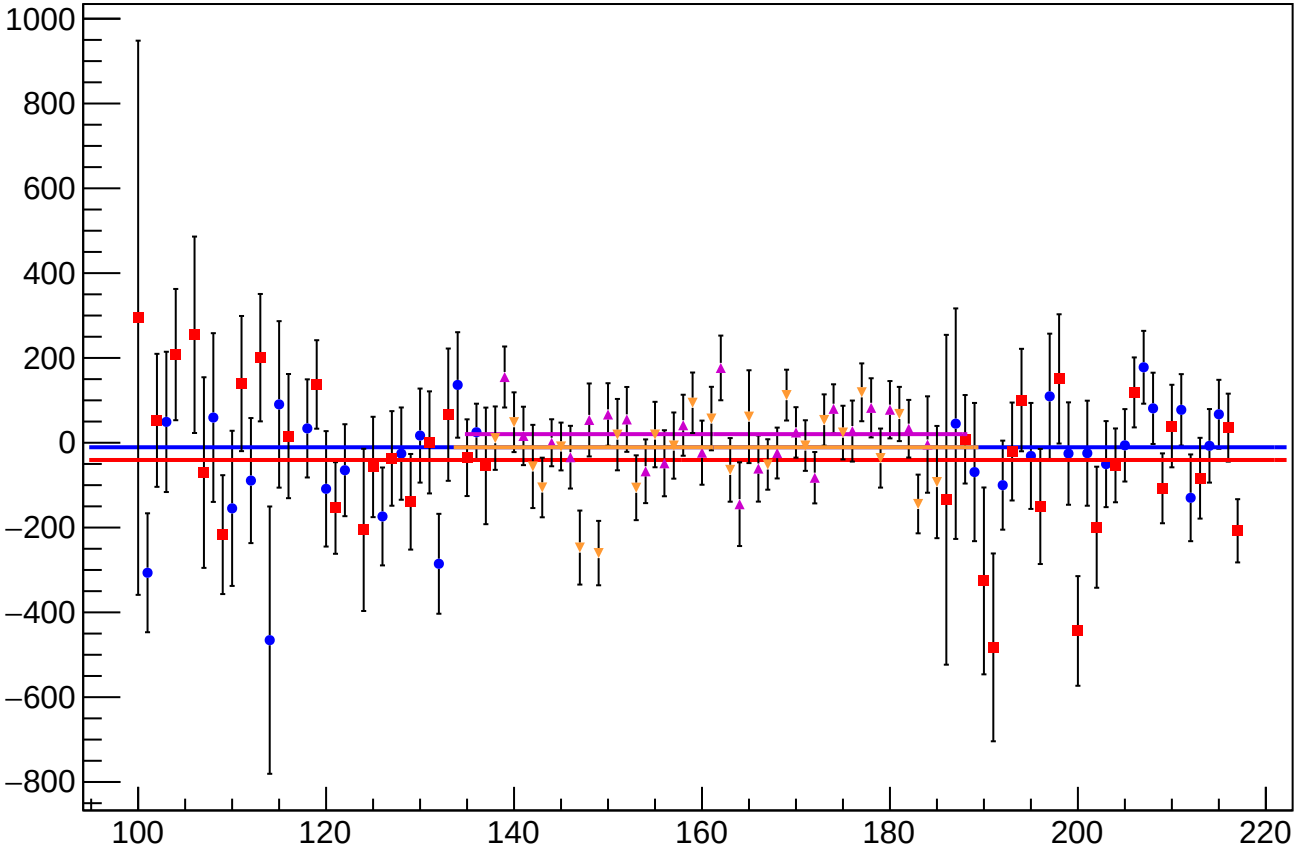
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 412.197+/-0.052 χ^2/NDF: 13502535.8/55

All: 416.025+/-0.037 χ^2/NDF: 28357408.0/11

- sign 420.047+/-0.053 χ^2/NDF: 14843666.9/58

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -10.622+/-20.185 χ^2/NDF: 29.2/30

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -40.640+/-20.033 χ^2/NDF: 48.3/35

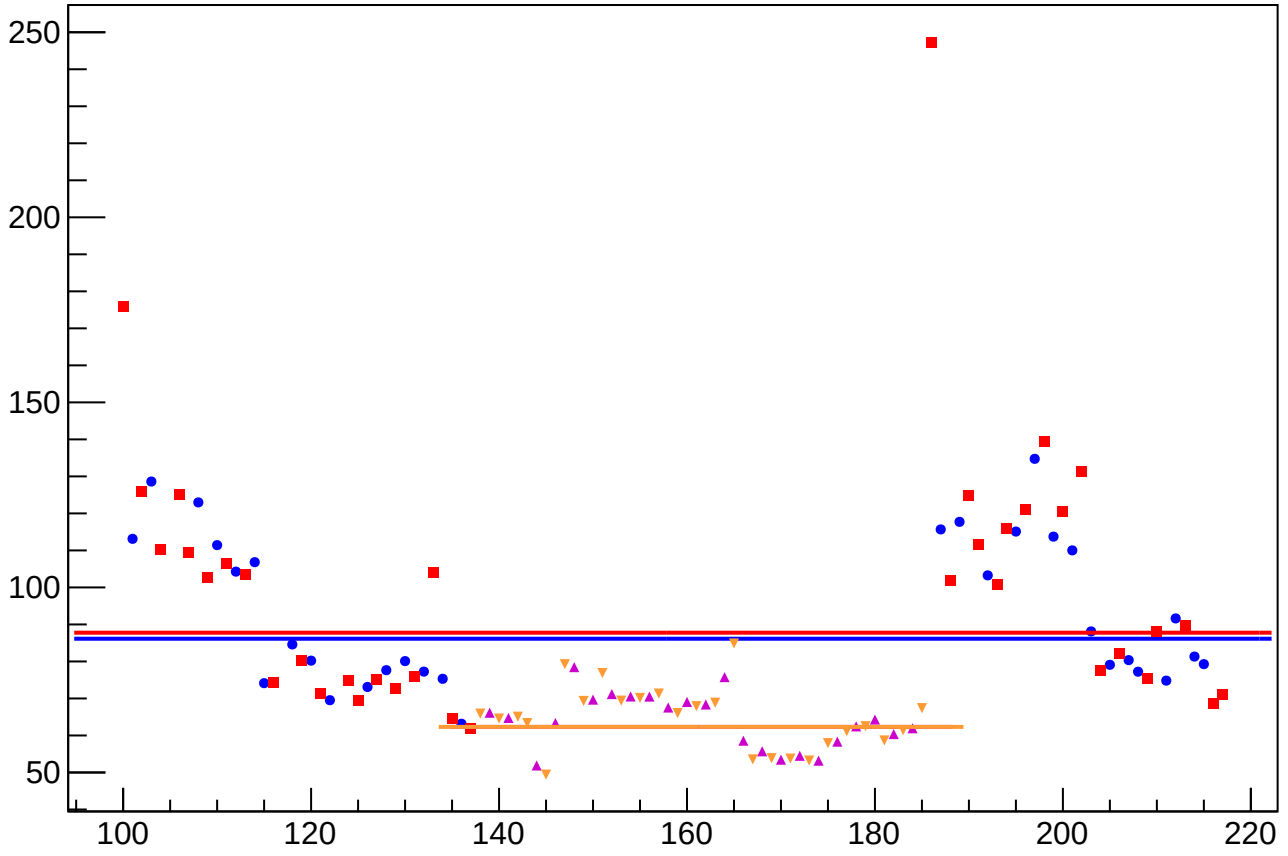
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -10.616+/-11.674 χ^2/NDF: 71.4/55

All: -5.950+/-8.326 χ^2/NDF: 147.7/114

- sign -1.120+/-11.878 χ^2/NDF: 76.0/58

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.139+/-0.014 χ^2/NDF: 1475705.9/30

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

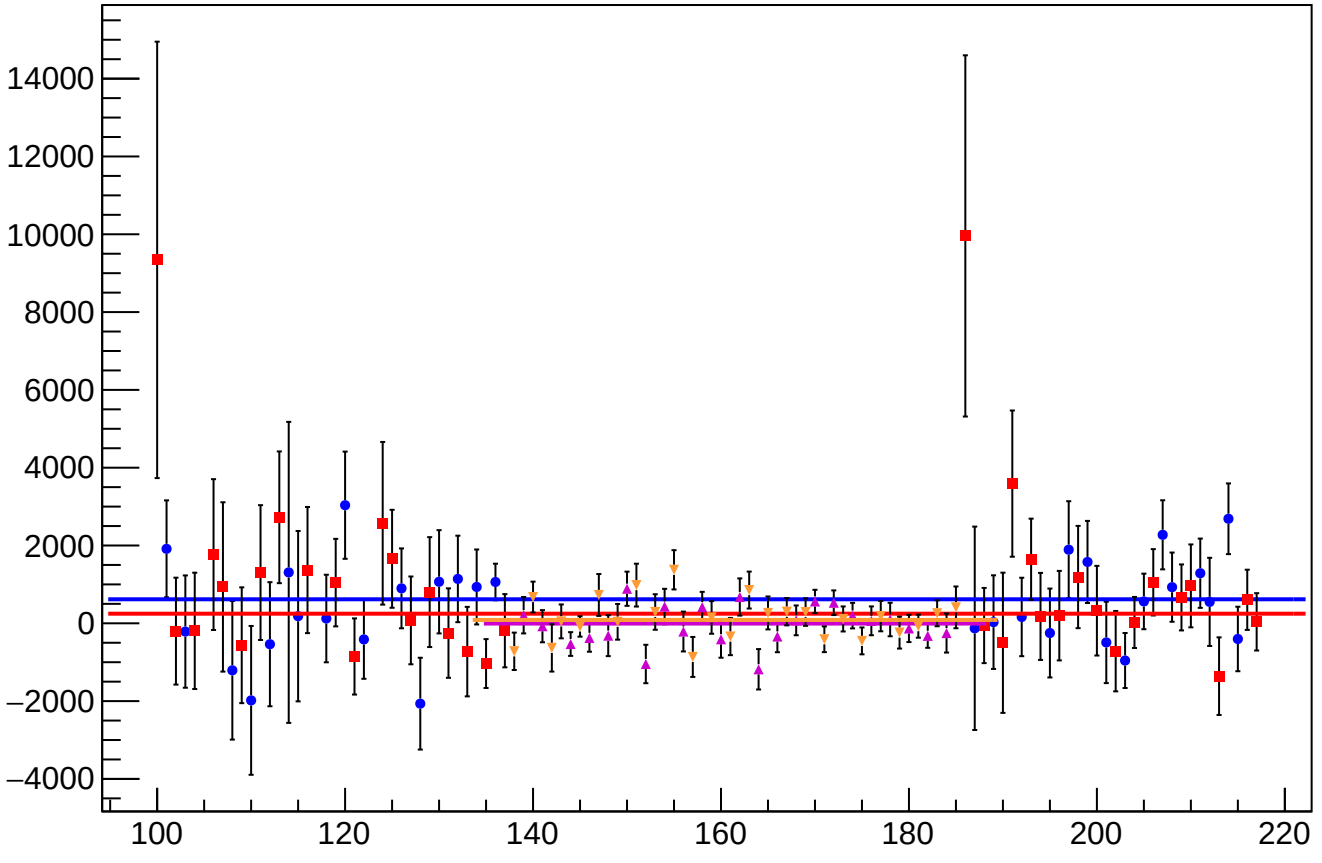
Right Out: 87.769+/-0.014 χ^2/NDF: 2324855.4/35

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.285+/-0.008 χ^2/NDF: 3965890.6/55

All: 70.764+/-0.006 χ^2/NDF: 8876778.9/114

- sign 71.261+/-0.008 χ^2/NDF: 4904026.6/58



Right In: 617.433+/-183.912 χ^2/NDF: 35.7/30

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 247.192+/-185.400 χ^2/NDF: 32.1/35

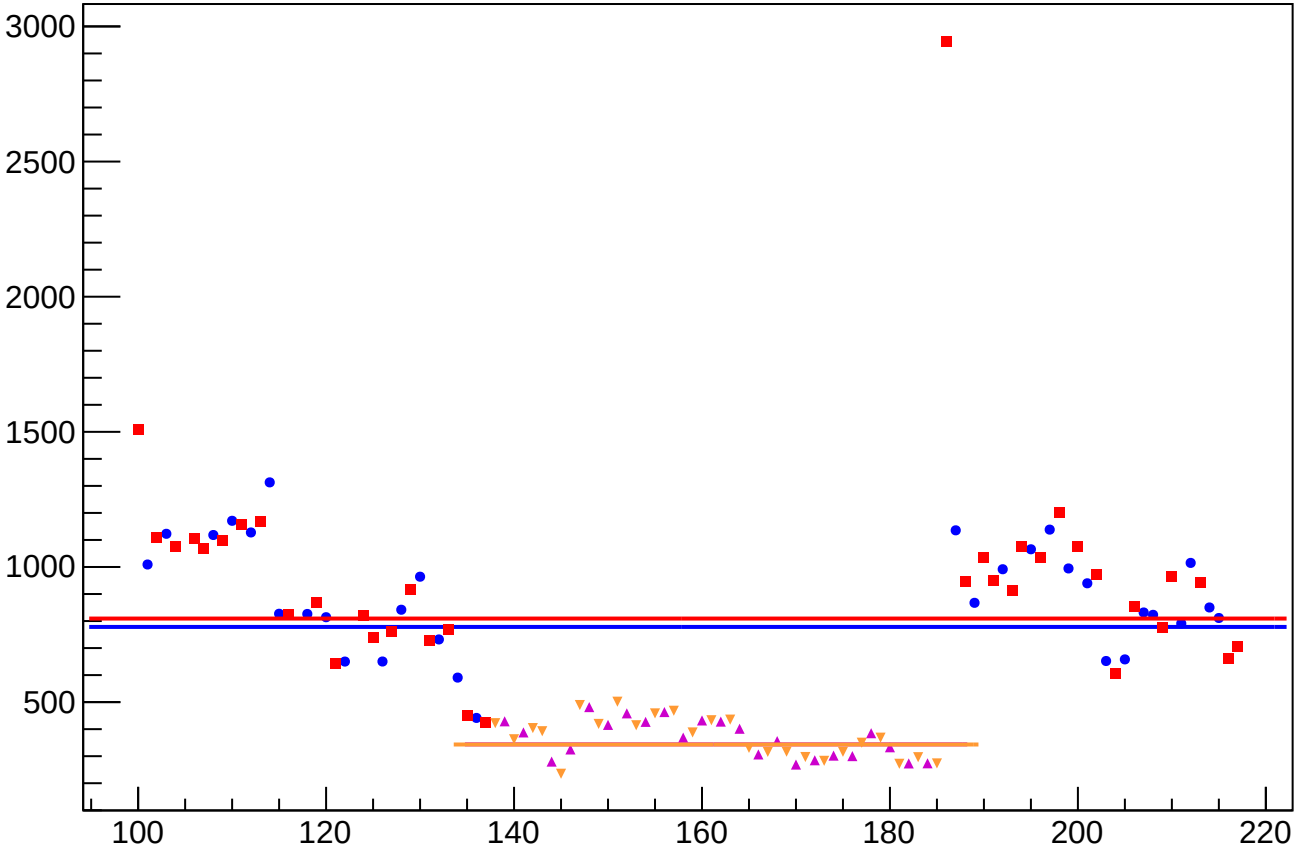
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 171.095+/-73.234 χ^2/NDF: 74.4/55

All: 104.789+/-52.424 χ^2/NDF: 142.2/114

- sign 35.103+/-75.077 χ^2/NDF: 66.1/58

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 778.207+/-0.130 χ^2/NDF: 2493166.8/30

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.200+/-0.131 χ^2/NDF: 3045434.7/35

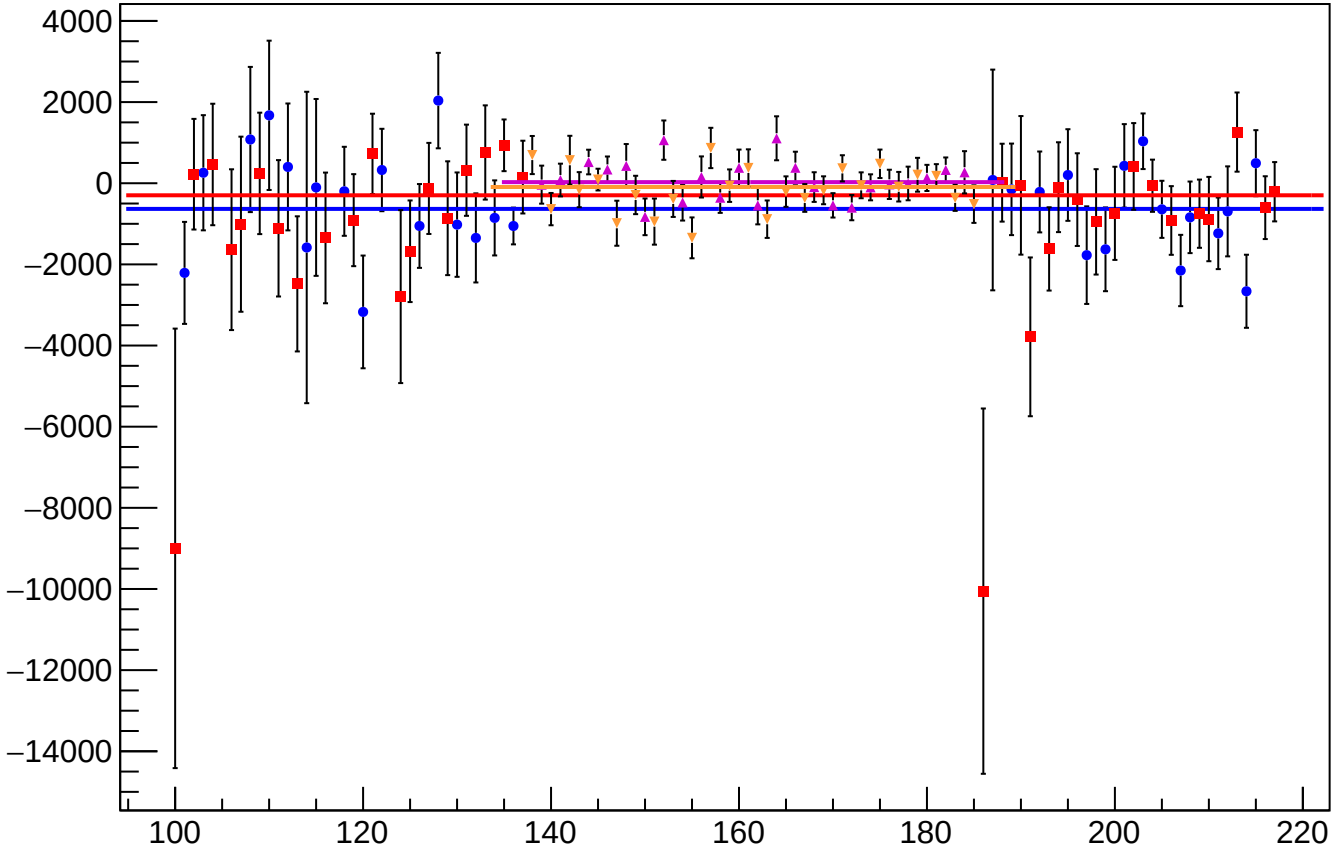
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 412.197+/-0.052 χ^2/NDF: 13502547.0/55

All: 416.025+/-0.037 χ^2/NDF: 28357420.0/11

- sign 420.048+/-0.053 χ^2/NDF: 14843667.4/58

asym_sam_15_26_dd_mean vs Slug



Right In: -632.476+/-180.383 χ^2/NDF: 36.4/30

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -297.060+/-184.175 χ^2/NDF: 29.9/35

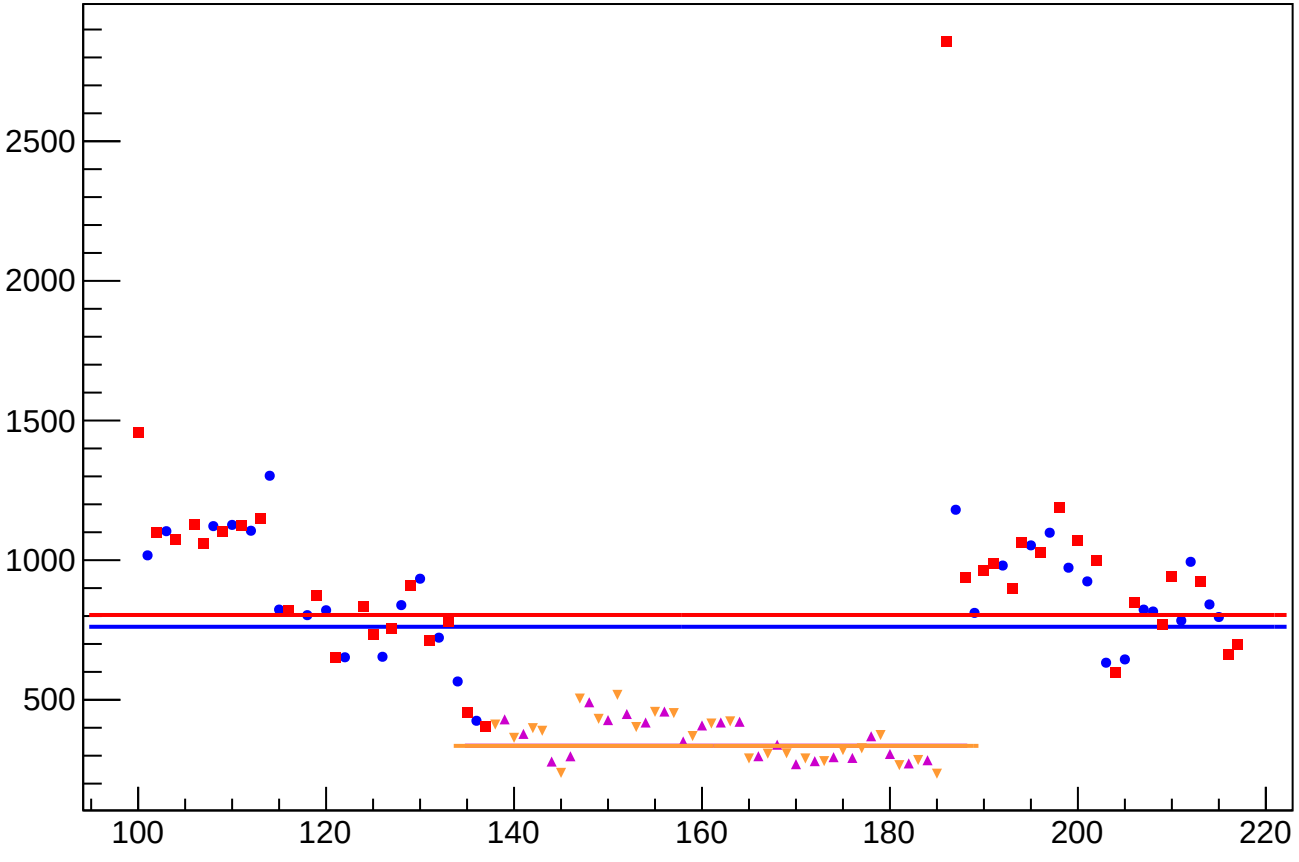
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -178.043+/-71.736 χ^2/NDF: 78.2/55

All: -103.183+/-51.350 χ^2/NDF: 143.8/114

- sign -24.516+/-73.537 χ^2/NDF: 63.4/58

asym_sam_15_26_dd_rms vs Slug



Right In: 761.539+/-0.128 χ^2/NDF: 2611761.3/30

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

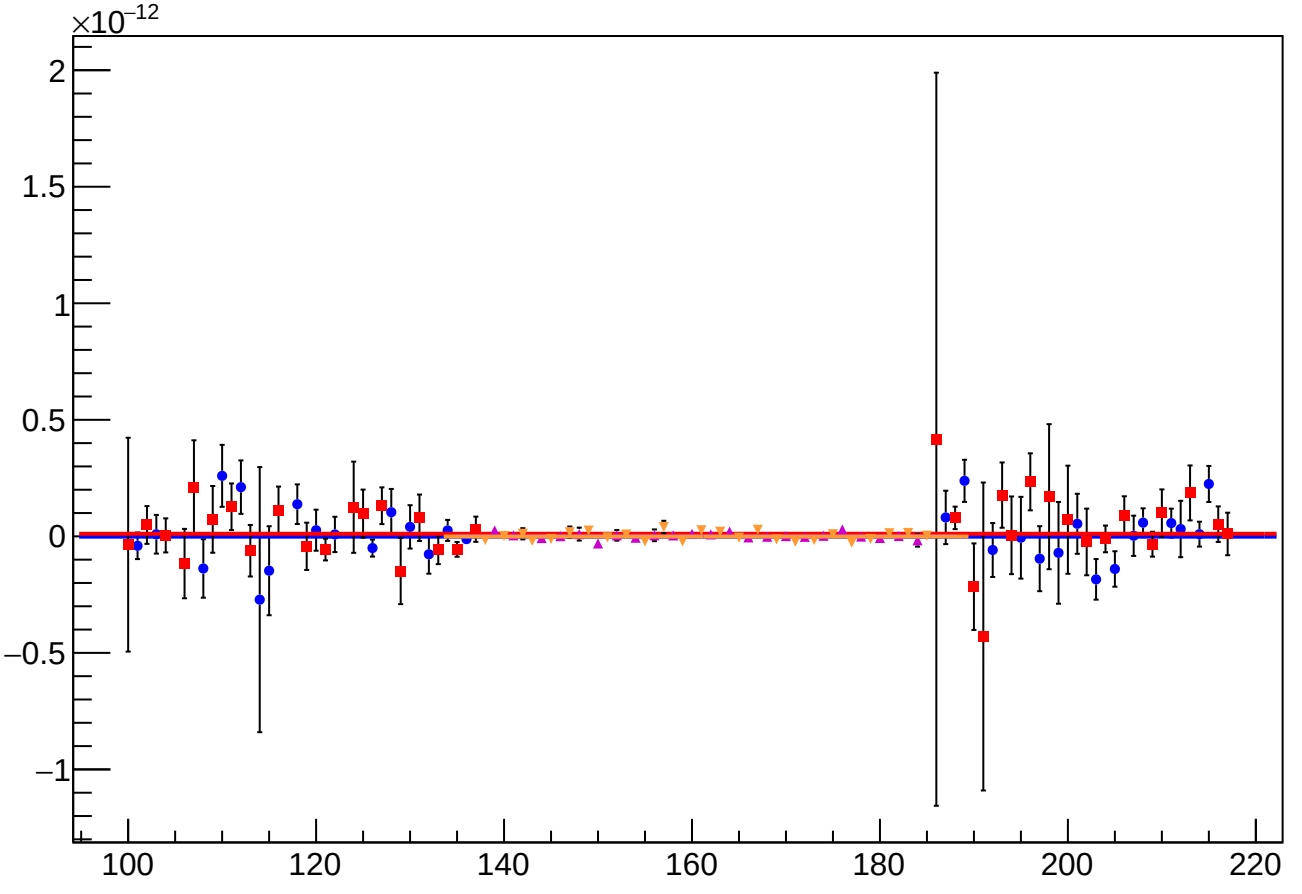
Right Out: 803.782+/-0.130 χ^2/NDF: 3034508.6/35

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 402.585+/-0.051 χ^2/NDF: 13725466.9/55

All: 406.393+/-0.036 χ^2/NDF: 28917874.5/11

- sign 410.395+/-0.052 χ^2/NDF: 15180846.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 44.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

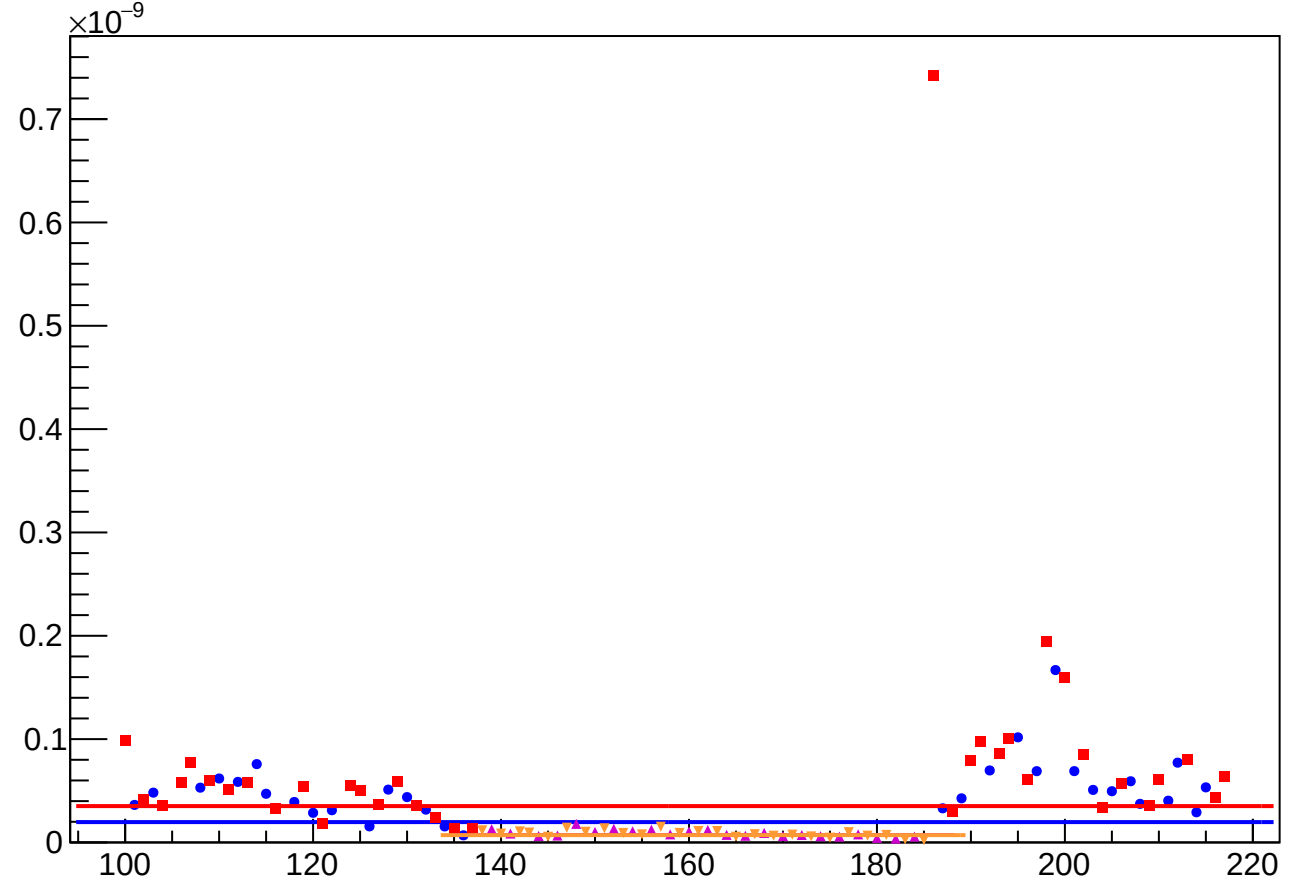
Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/35

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.6/55

All: 0.000+/-0.000 χ^2/NDF: 125.7/114

- sign 0.000+/-0.000 χ^2/NDF: 47.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 8419889.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

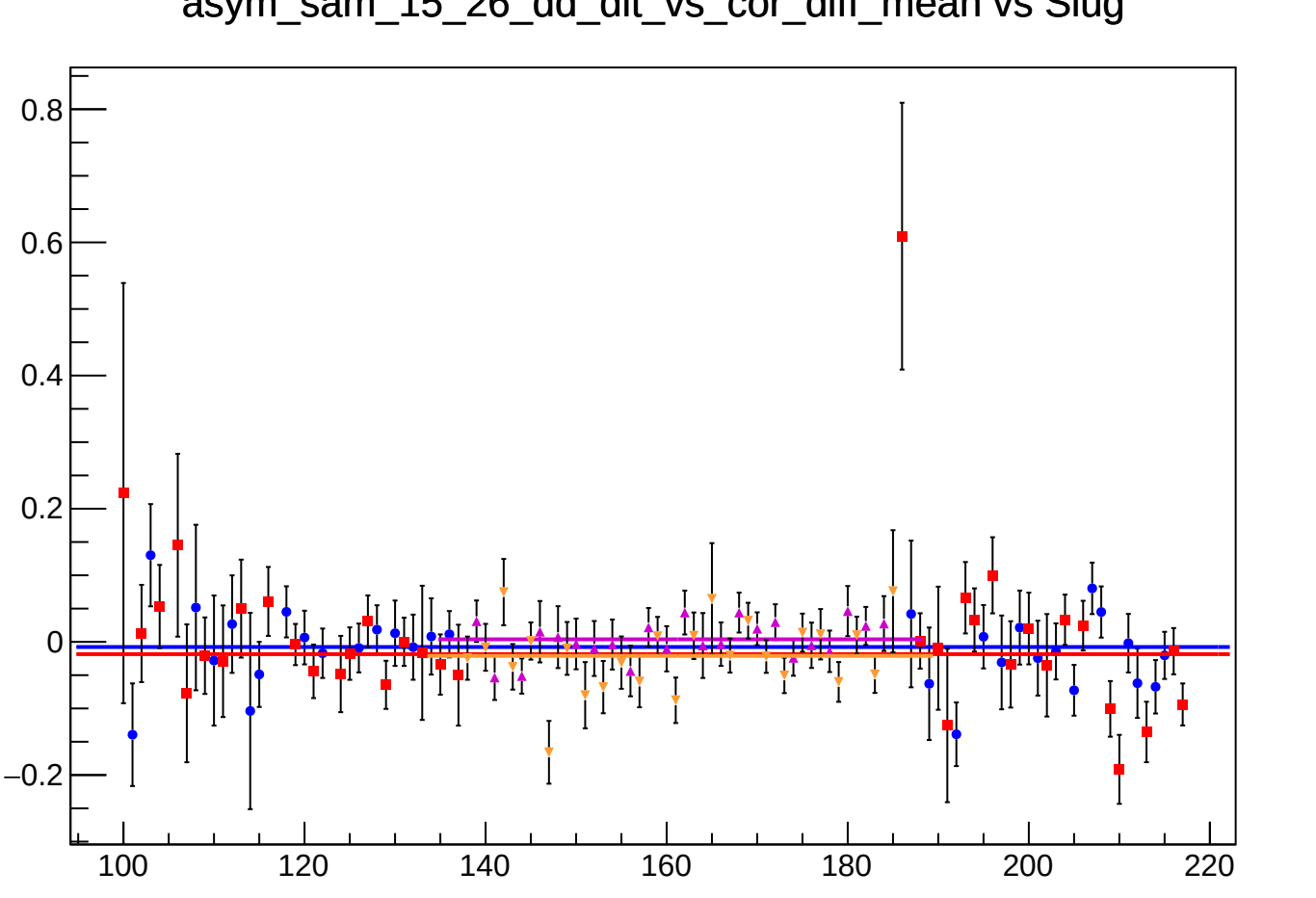
Right Out: 0.000+/-0.000 χ^2/NDF: 5493400.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13671864.0/55

All: 0.000+/-0.000 χ^2/NDF: 28698598.7/114

- sign 0.000+/-0.000 χ^2/NDF: 15012315.7/58



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

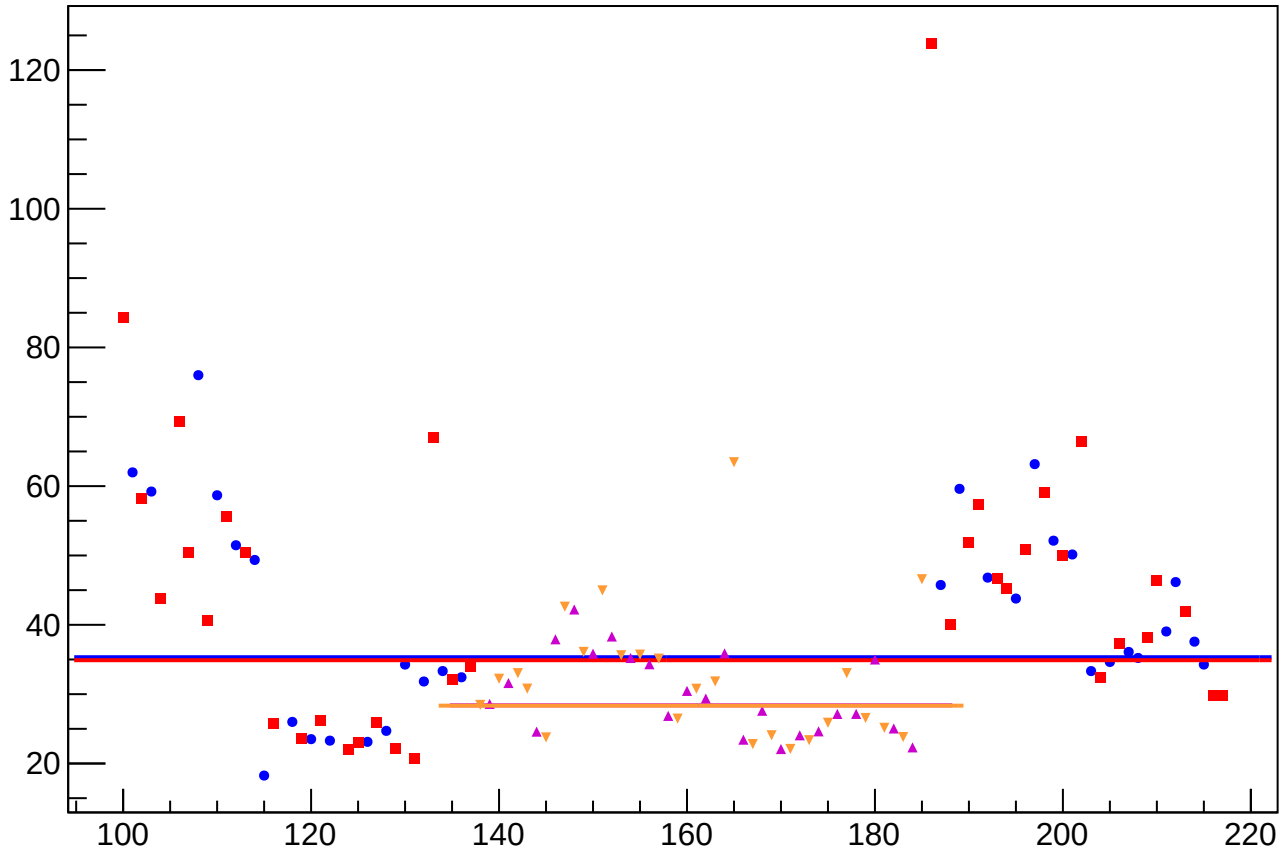
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/55

All: -0.011+/-0.004 χ^2/NDF: 158.7/114

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 35.327+/-0.006 χ^2/NDF: 3148879.6/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

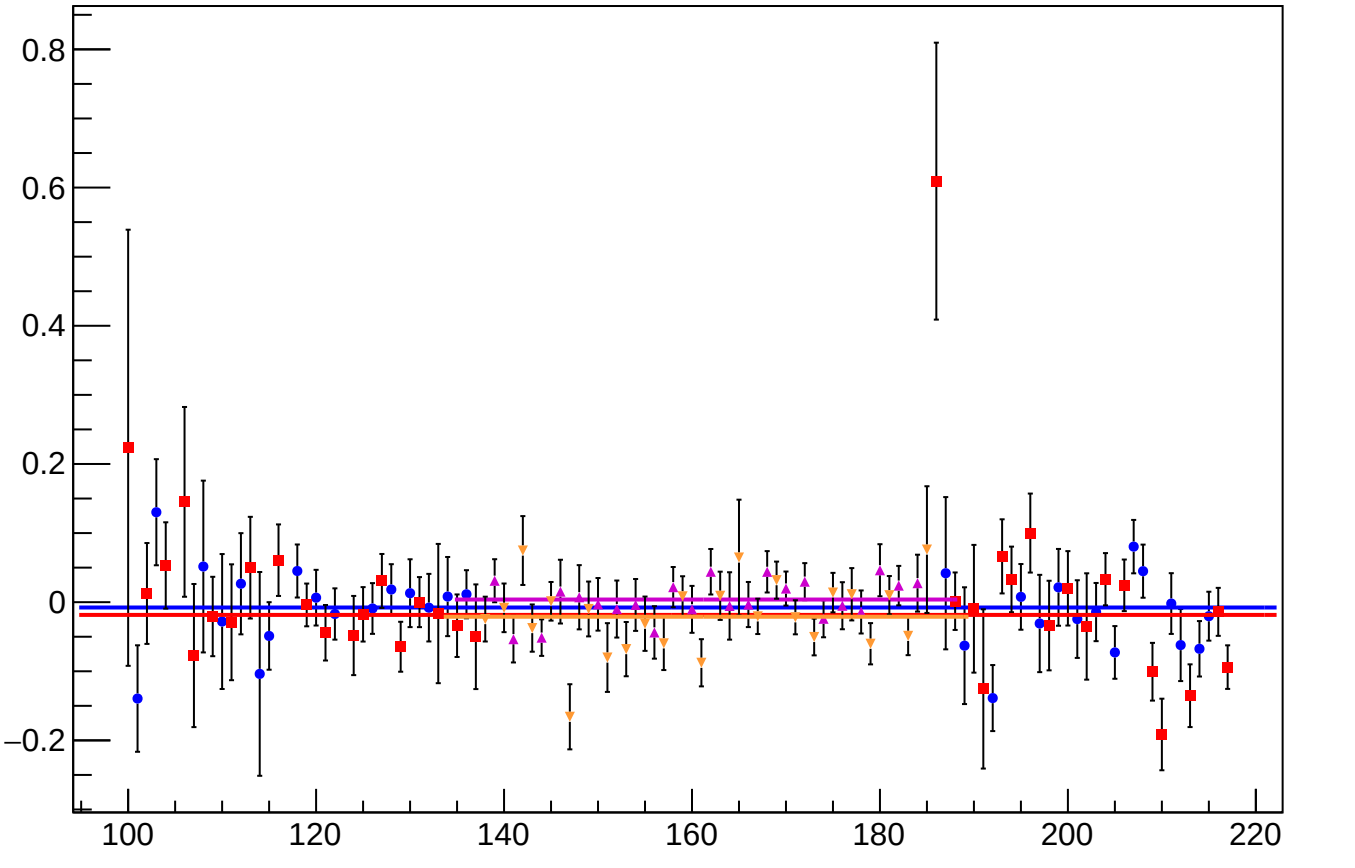
Right Out: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.960+/-0.004 χ^2/NDF: 5704815.1/55

All: 30.994+/-0.003 χ^2/NDF: 11763944.9/114

- sign 31.028+/-0.004 χ^2/NDF: 6058967.1/58



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

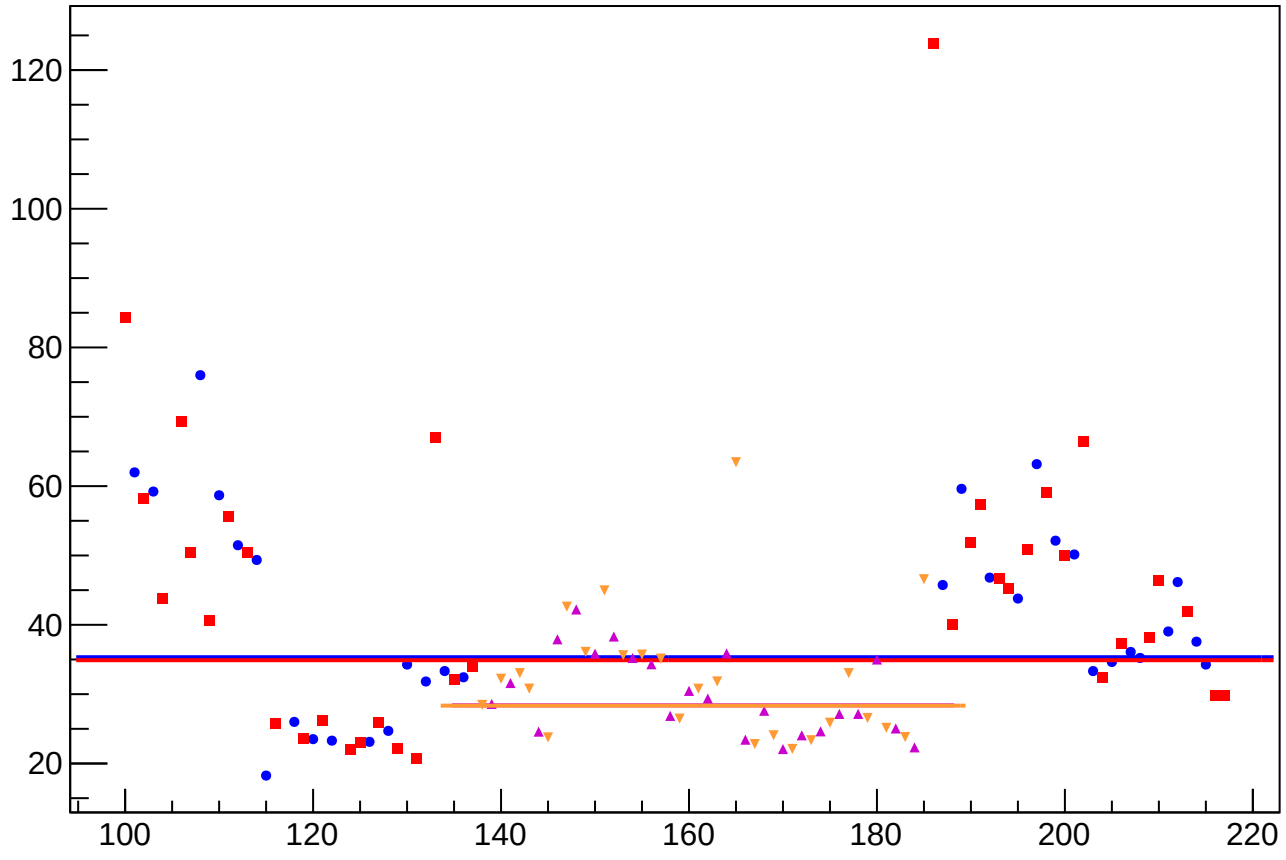
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/55

All: -0.011+/-0.004 χ^2/NDF: 158.7/114

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 35.327+/-0.006 χ^2/NDF: 3148879.6/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

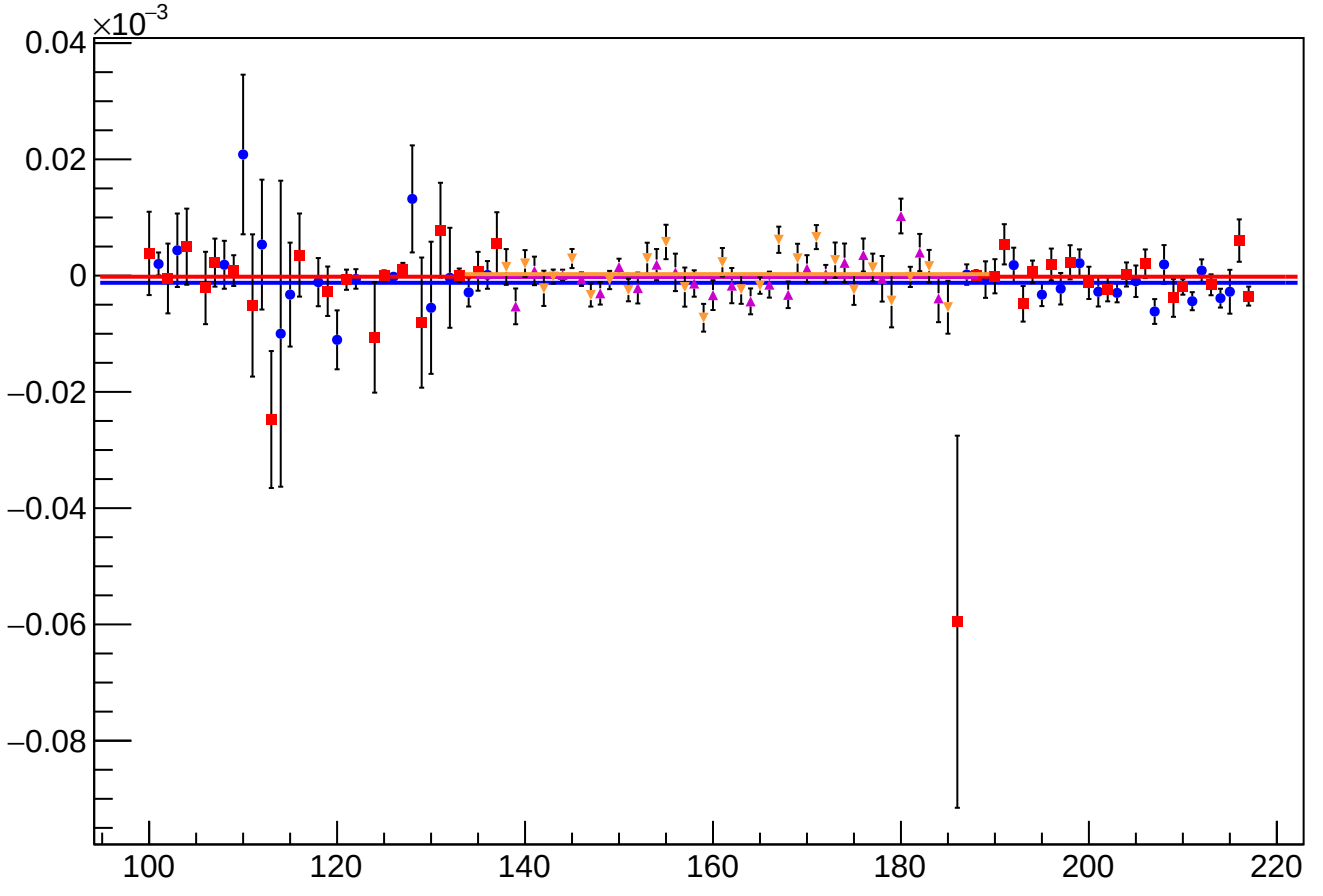
Right Out: 34.897+/-0.006 χ^2/NDF: 4230457.9/35

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.960+/-0.004 χ^2/NDF: 5704815.1/55

All: 30.994+/-0.003 χ^2/NDF: 11763944.9/114

- sign 31.028+/-0.004 χ^2/NDF: 6058967.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/30

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

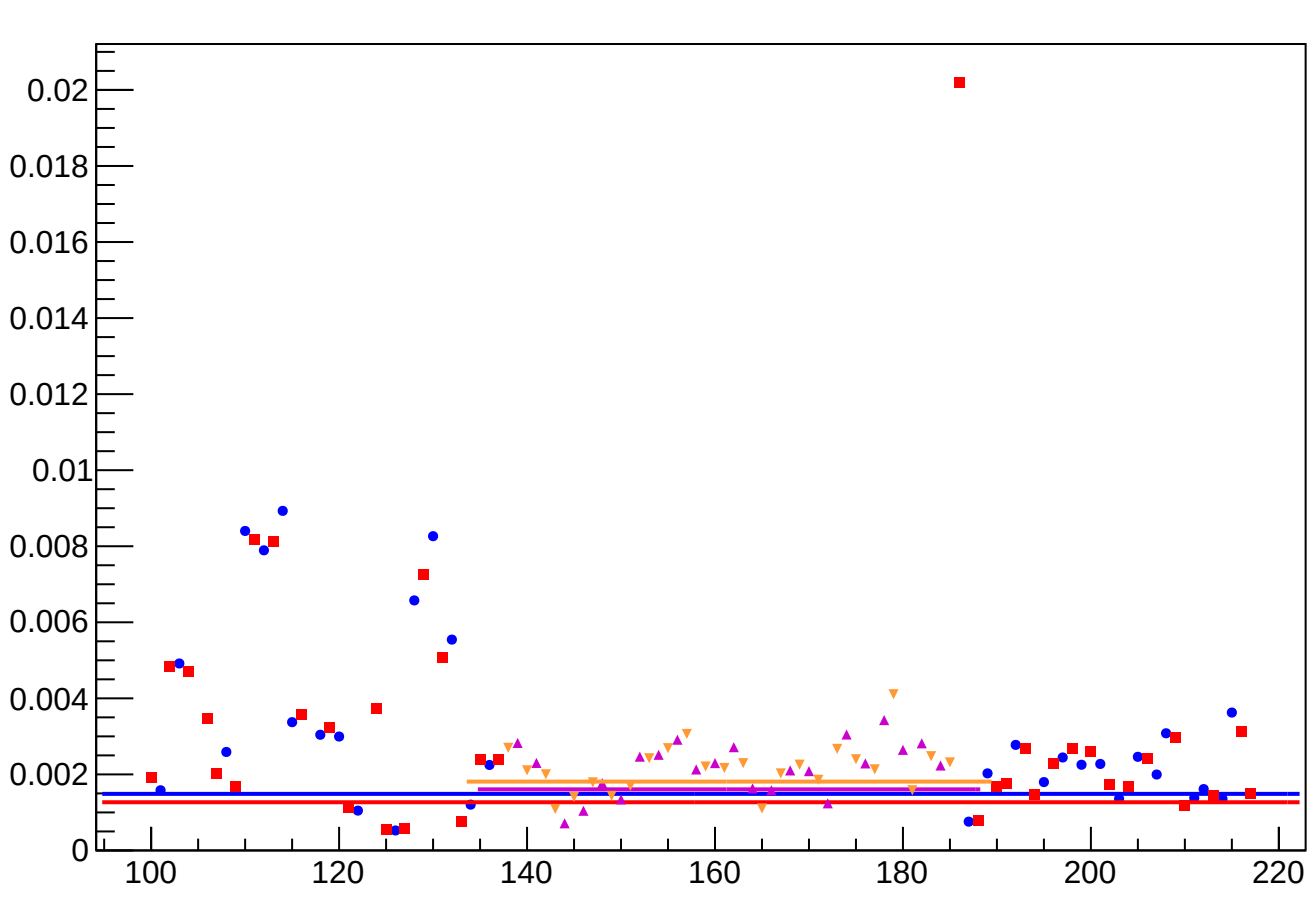
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.7/55

All: -0.000+/-0.000 χ^2/NDF: 162.5/114

- sign -0.000+/-0.000 χ^2/NDF: 68.2/58



Right In: 0.001+/-0.000 χ^2/NDF: 10420020.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

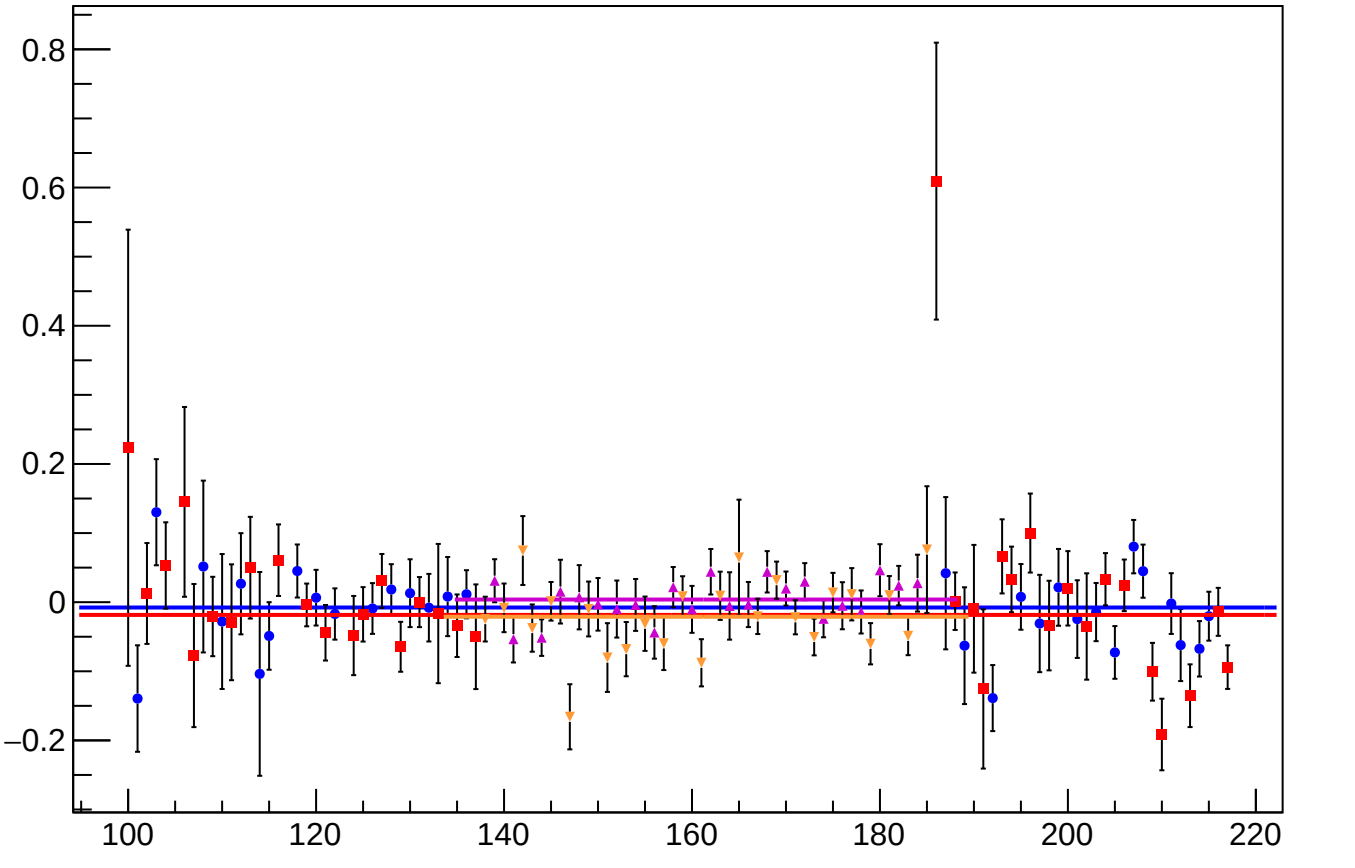
Right Out: 0.001+/-0.000 χ^2/NDF: 12233845.2/35

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

\+ sign 0.002+/-0.000 χ^2/NDF: 14432770.5/55

All: 0.002+/-0.000 χ^2/NDF: 34118376.3/114

\- sign 0.001+/-0.000 χ^2/NDF: 19019669.6/58



Right In: -0.008+/-0.009 χ^2/NDF: 33.1/30

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

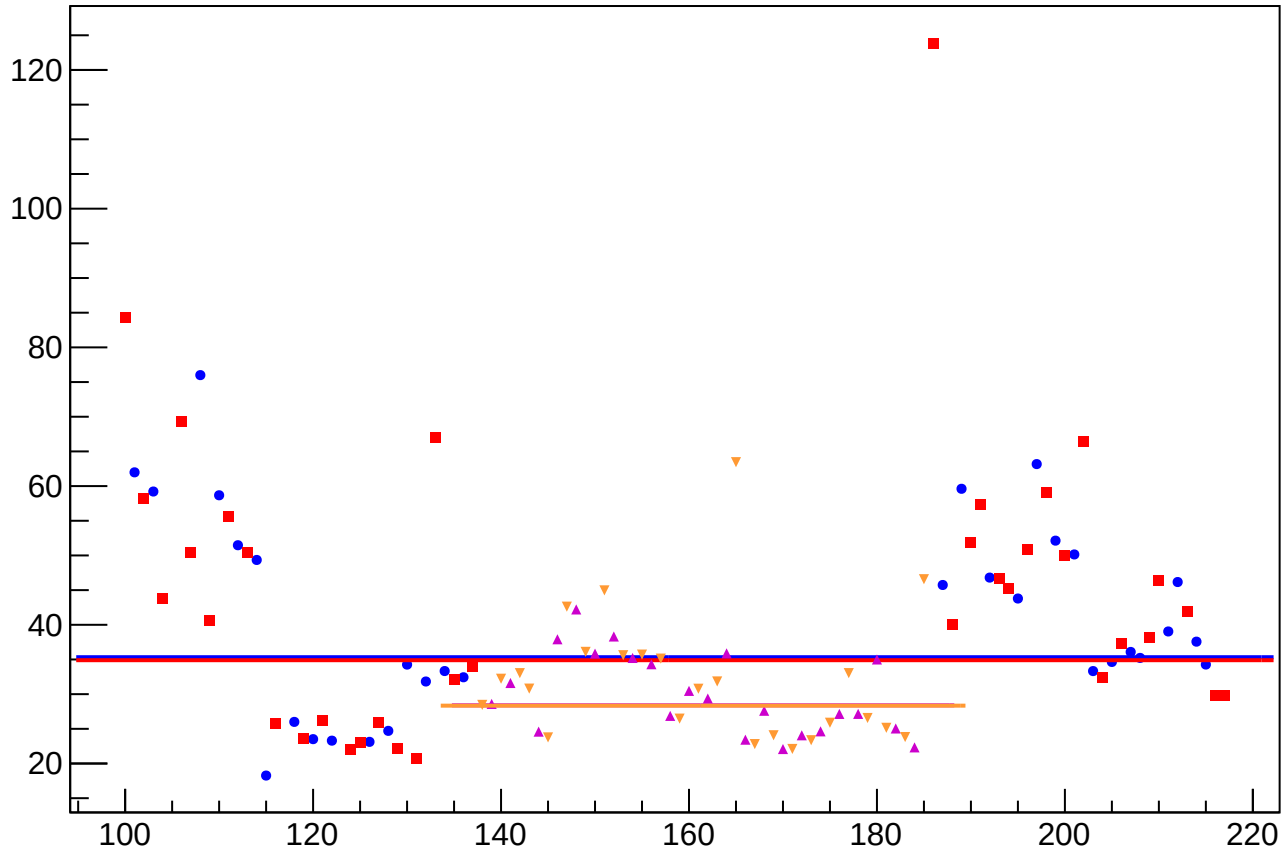
Right Out: -0.018+/-0.008 χ^2/NDF: 61.8/35

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/55

All: -0.011+/-0.004 χ^2/NDF: 158.7/114

- sign -0.005+/-0.005 χ^2/NDF: 84.8/58



Right In: 35.327+/-0.006 χ^2/NDF: 3148747.9/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

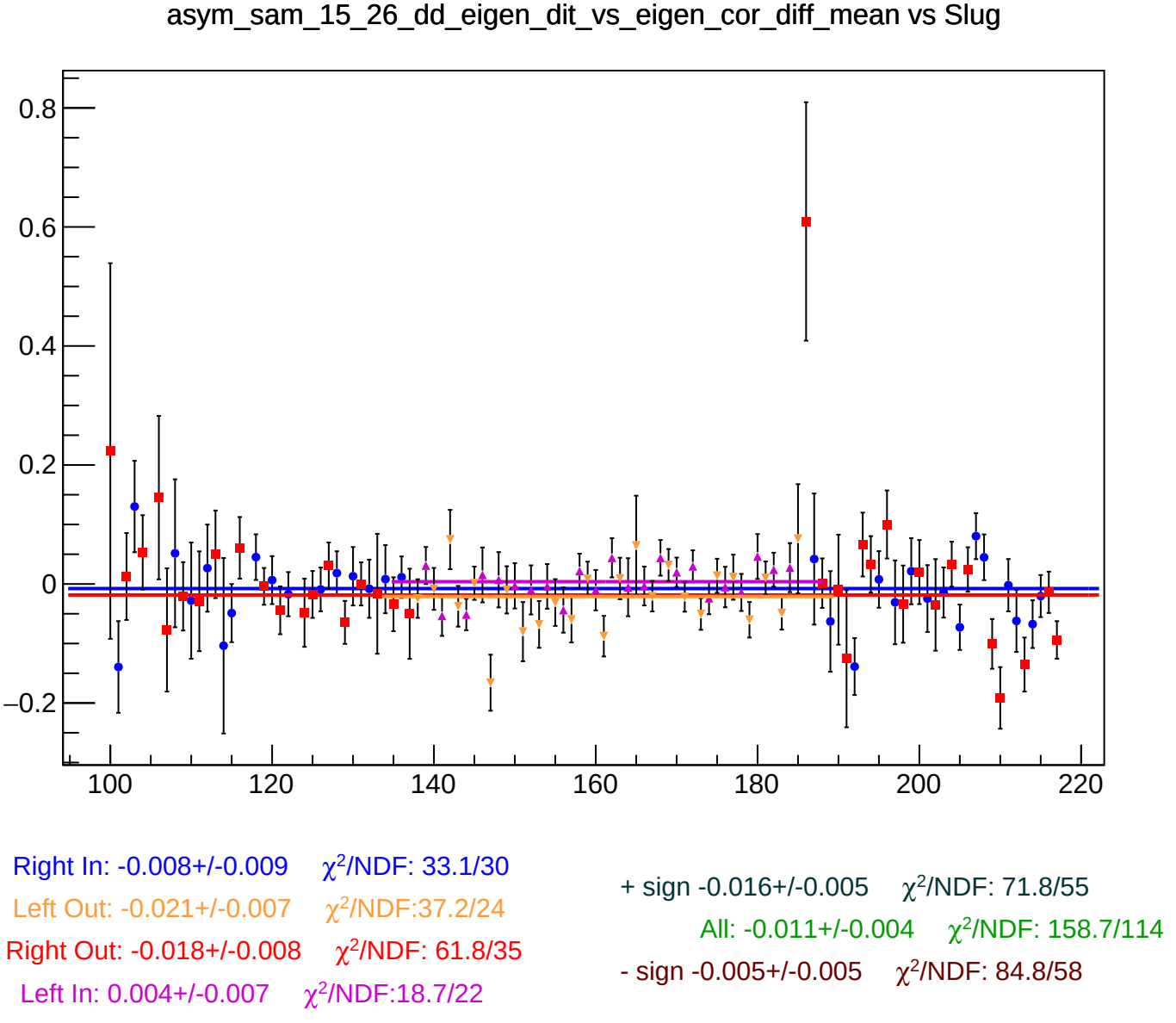
Right Out: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

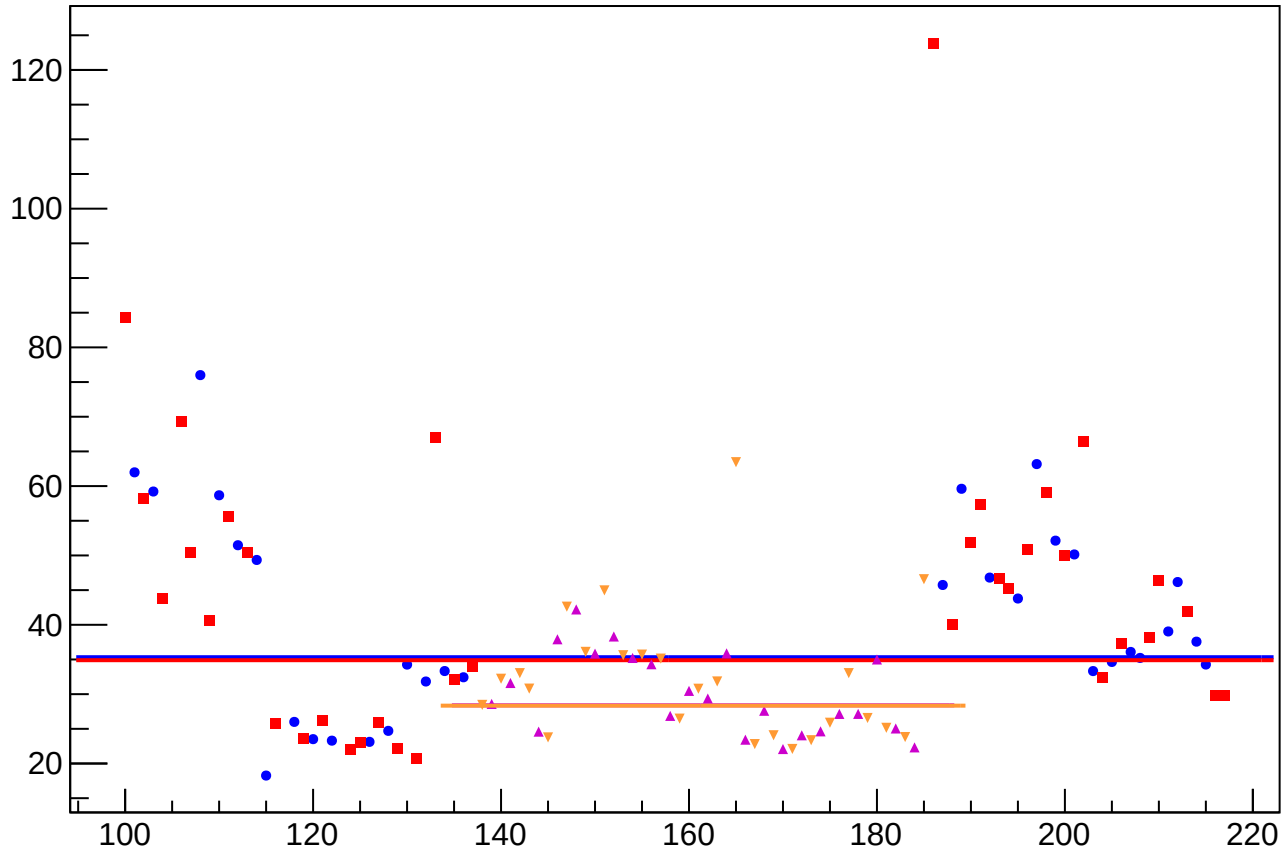
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.961+/-0.004 χ^2/NDF: 5704667.7/55

All: 30.994+/-0.003 χ^2/NDF: 11763778.7/114

- sign 31.028+/-0.004 χ^2/NDF: 6058948.3/58


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
220
Right In: -0.008+/-0.009 χ²/NDF: 33.1/30
Left Out: -0.021+/-0.007 χ²/NDF:37.2/24
Right Out: -0.018+/-0.008 χ²/NDF: 61.8/35
Left In: 0.004+/-0.007 χ²/NDF:18.7/22
+ sign -0.016+/-0.005 χ²/NDF: 71.8/55
All: -0.011+/-0.004 χ²/NDF: 158.7/114
- sign -0.005+/-0.005 χ²/NDF: 84.8/58



Right In: 35.327+/-0.006 χ^2/NDF: 3148747.9/30

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

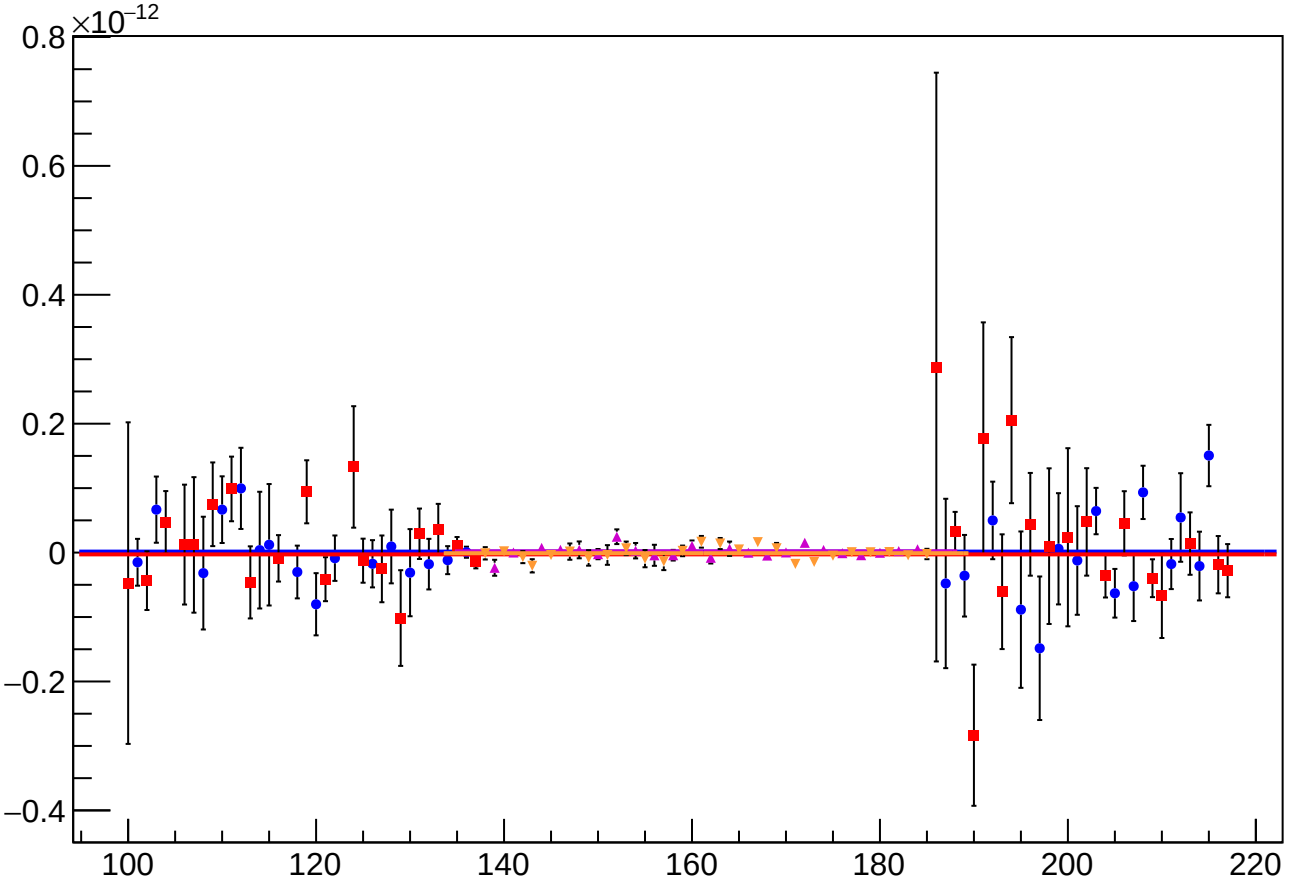
Right Out: 34.896+/-0.006 χ^2/NDF: 4230566.1/35

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.961+/-0.004 χ^2/NDF: 5704667.7/55

All: 30.994+/-0.003 χ^2/NDF: 11763778.7/114

- sign 31.028+/-0.004 χ^2/NDF: 6058948.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 36.9/30

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

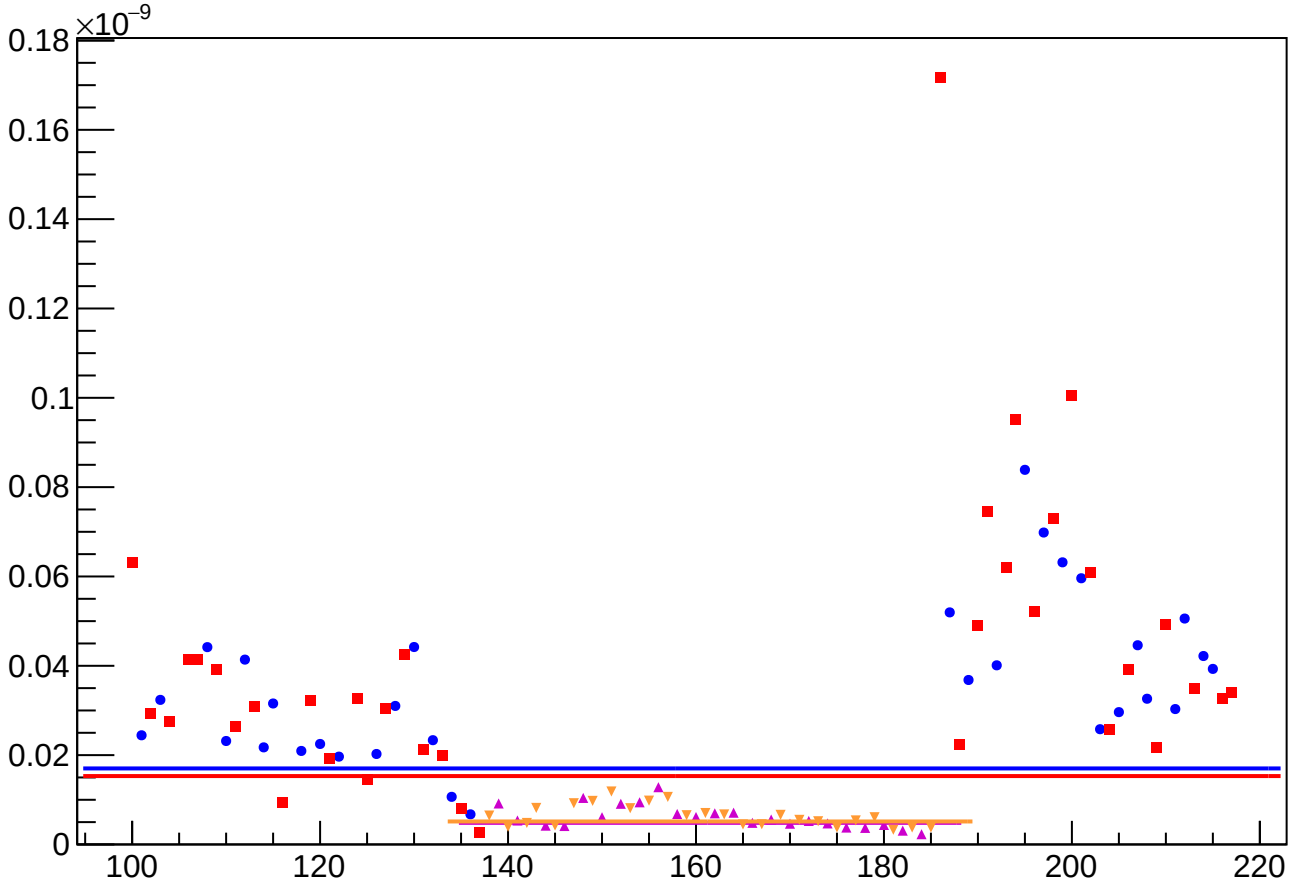
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.2/55

All: 0.000+/-0.000 χ^2/NDF: 132.5/114

- sign 0.000+/-0.000 χ^2/NDF: 59.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9939978.5/30

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12426748.5/35

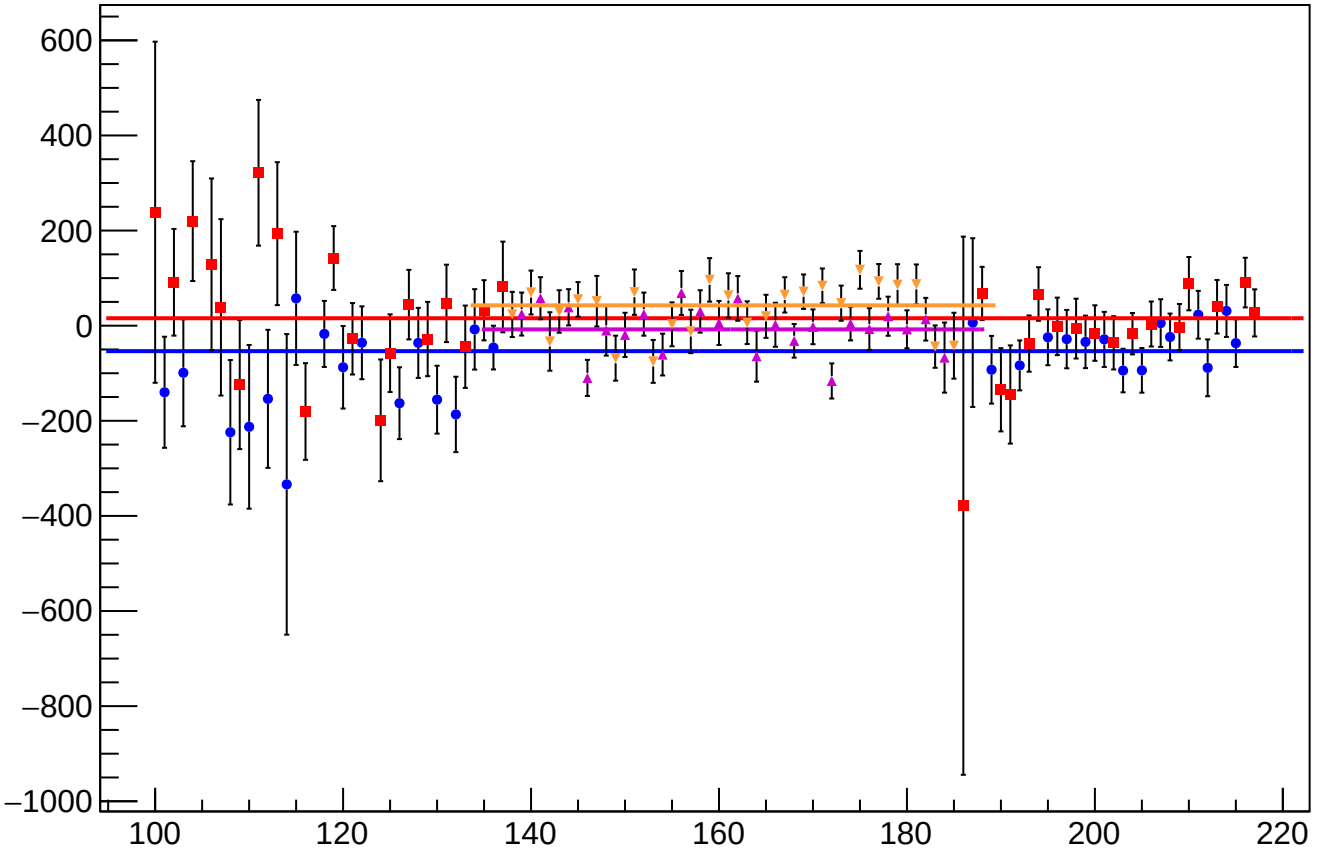
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20063856.4/55

All: 0.000+/-0.000 χ^2/NDF: 41500309.3/114

- sign 0.000+/-0.000 χ^2/NDF: 21371212.4/58

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -53.559+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.651+/-11.827 χ^2/NDF: 37.7/35

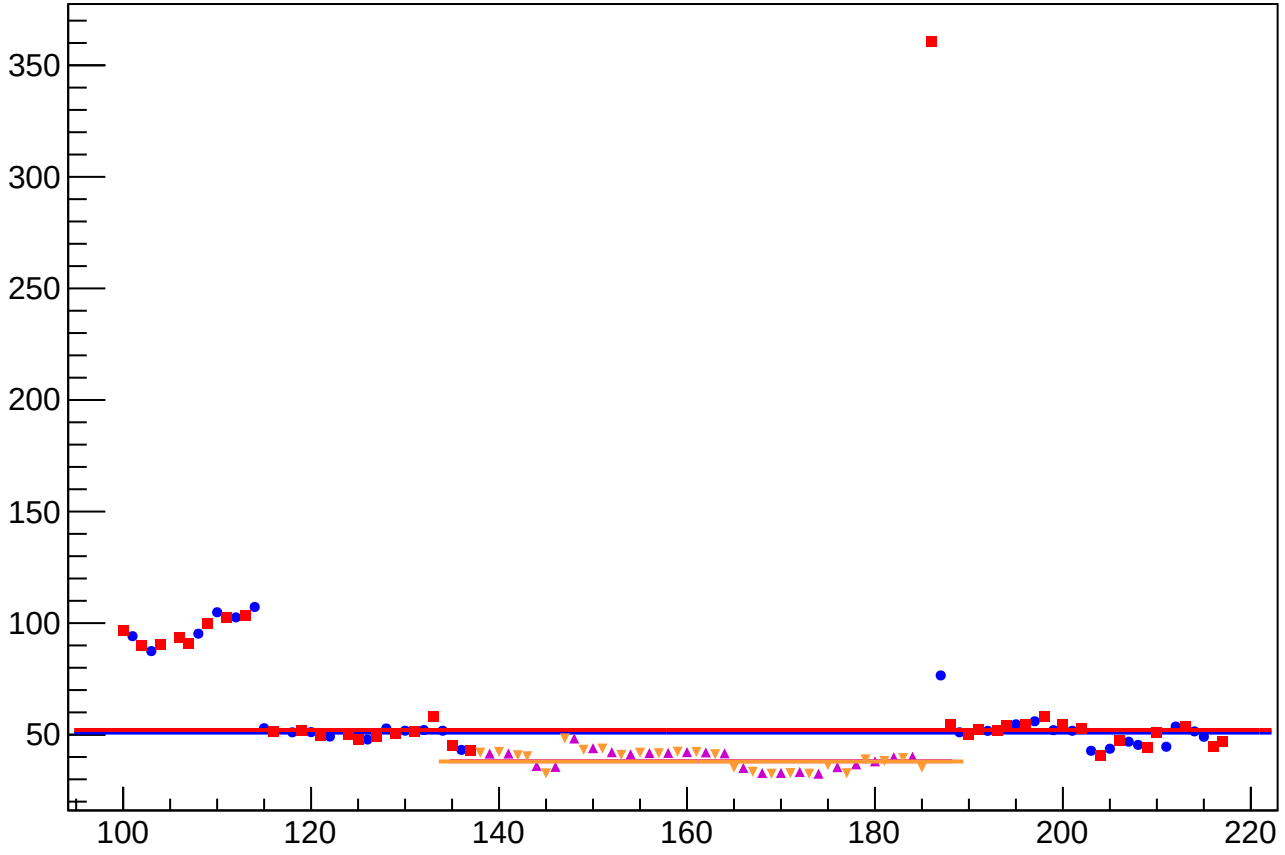
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 9.099+/-7.015 χ^2/NDF: 100.1/55

All: 5.018+/-5.007 χ^2/NDF: 171.5/114

- sign 0.779+/-7.149 χ^2/NDF: 70.7/58

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.0/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

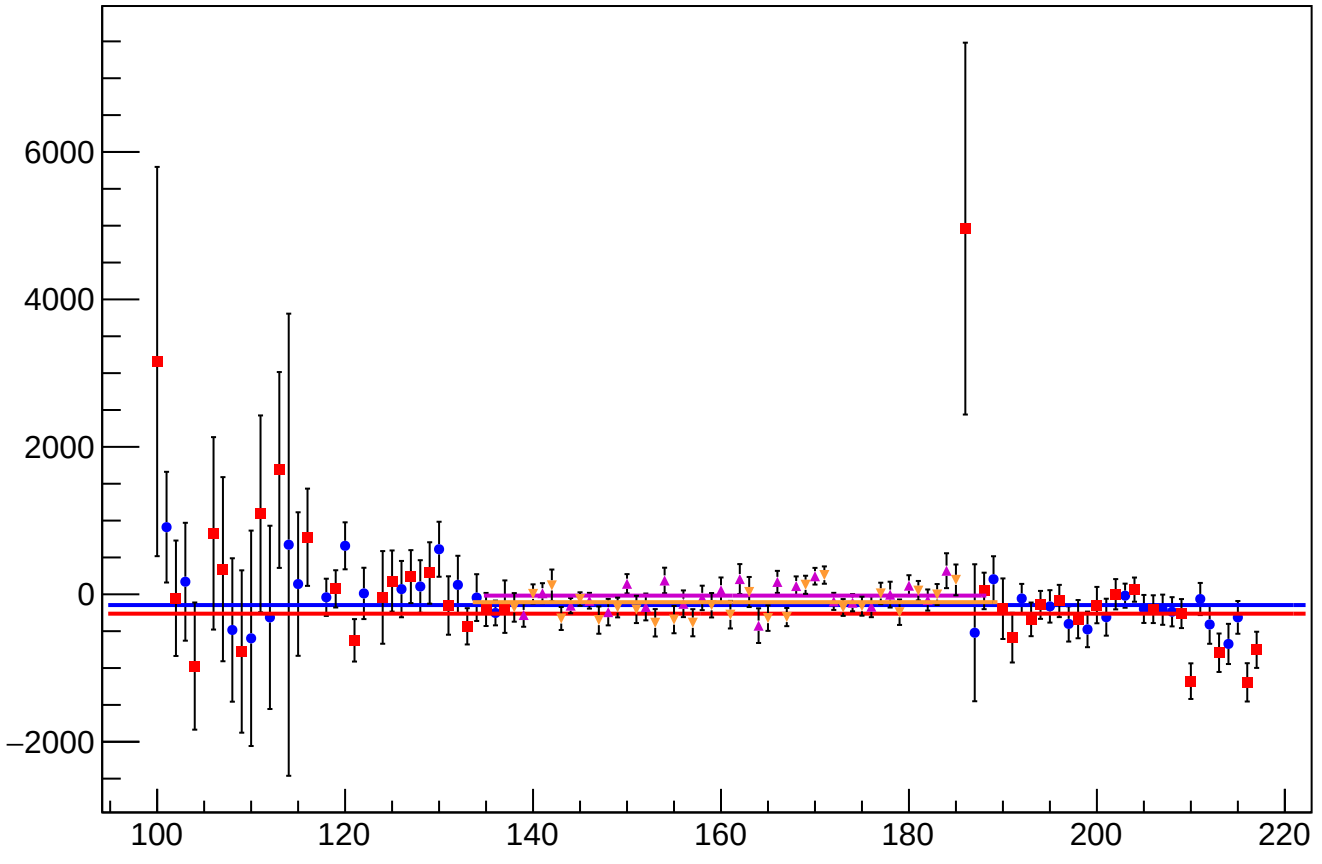
Right Out: 52.113+/-0.008 χ^2/NDF: 2303882.2/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.518+/-0.005 χ^2/NDF: 3548730.2/55

All: 42.872+/-0.004 χ^2/NDF: 8064724.8/114

\- sign 43.241+/-0.005 χ^2/NDF: 4505565.2/58



Right In: -145.761+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -262.687+/-48.942 χ^2/NDF: 67.5/35

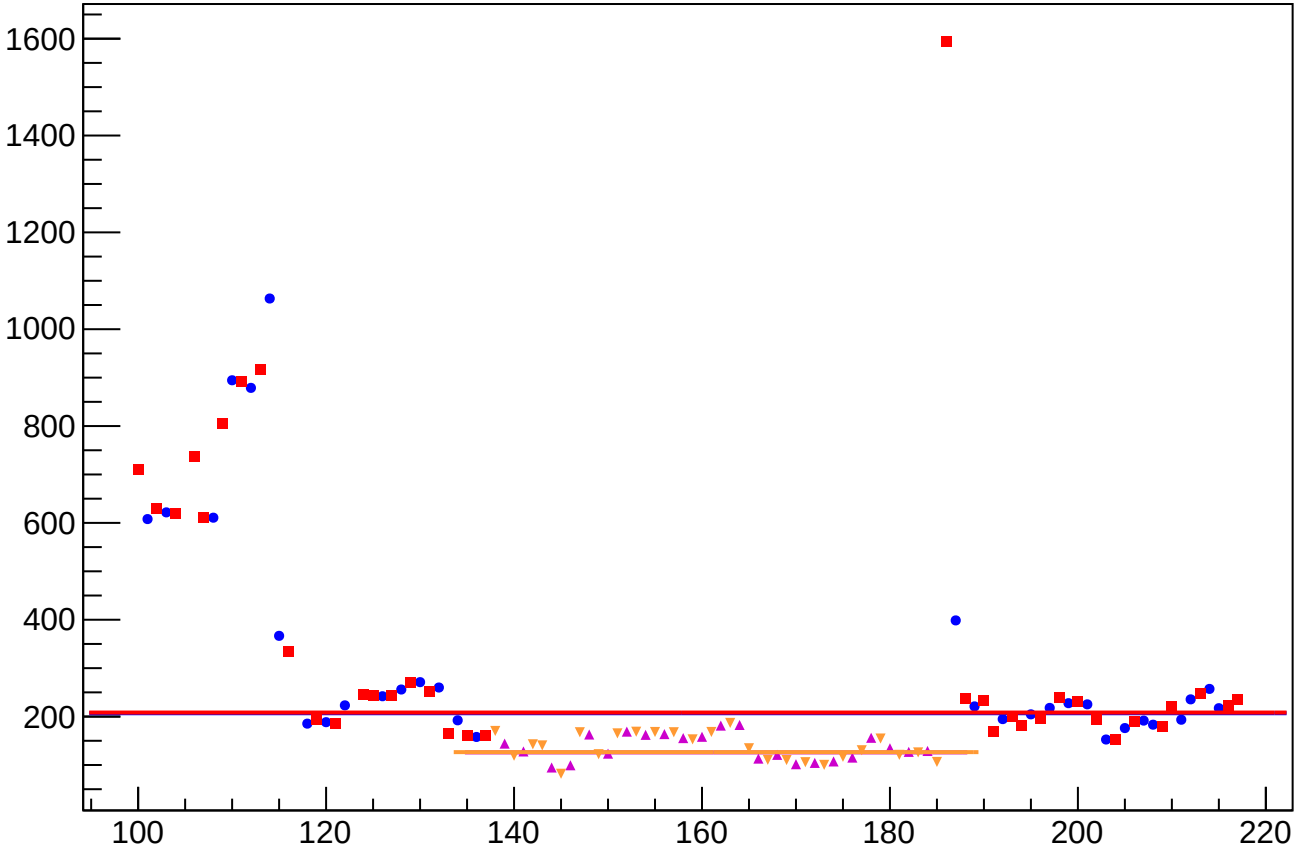
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -116.793+/-25.396 χ^2/NDF: 64.8/55

All: -101.118+/-18.061 χ^2/NDF: 179.6/114

- sign -85.076+/-25.692 χ^2/NDF: 114.0/58

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.871+/-0.035 χ^2/NDF: 3577893.4/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.341+/-0.035 χ^2/NDF: 4859265.1/35

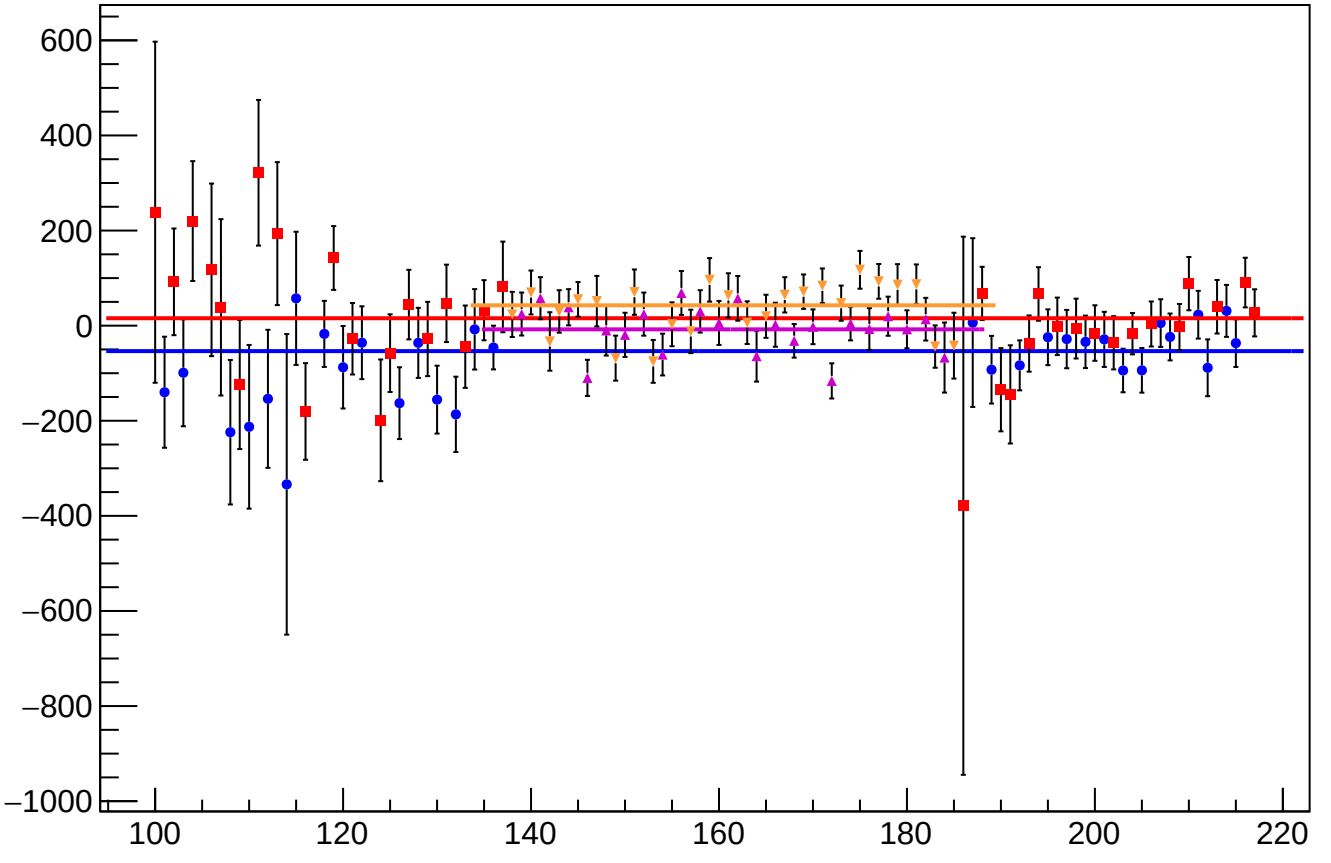
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 147.606+/-0.018 χ^2/NDF: 9203786.7/55

All: 148.147+/-0.013 χ^2/NDF: 19575250.2/11

- sign 148.700+/-0.018 χ^2/NDF: 10369630.8/58

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.604+/-11.827 χ^2/NDF: 37.6/35

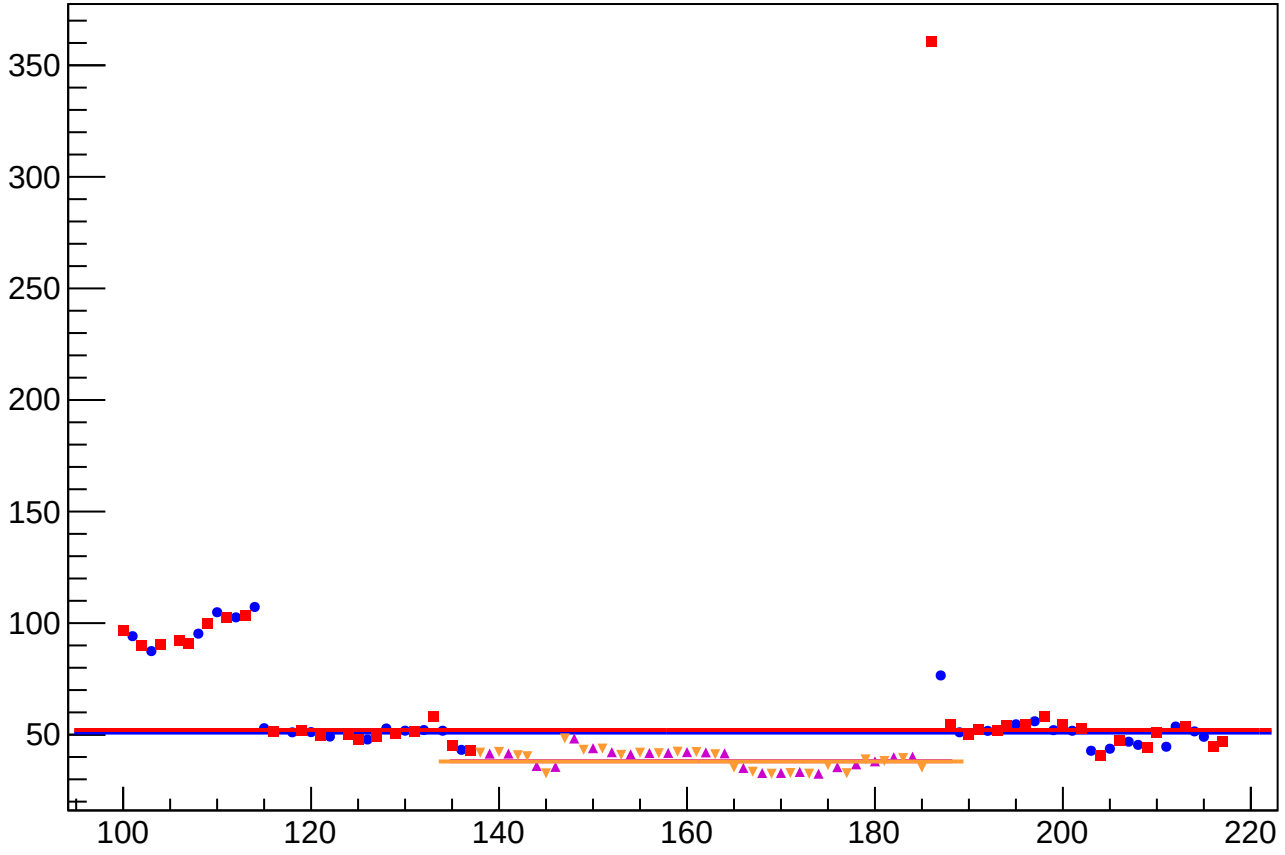
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

\+ sign 9.101+/-7.015 χ^2/NDF: 100.1/55

All: 5.010+/-5.007 χ^2/NDF: 171.4/114

\- sign 0.761+/-7.149 χ^2/NDF: 70.7/58

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.2/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

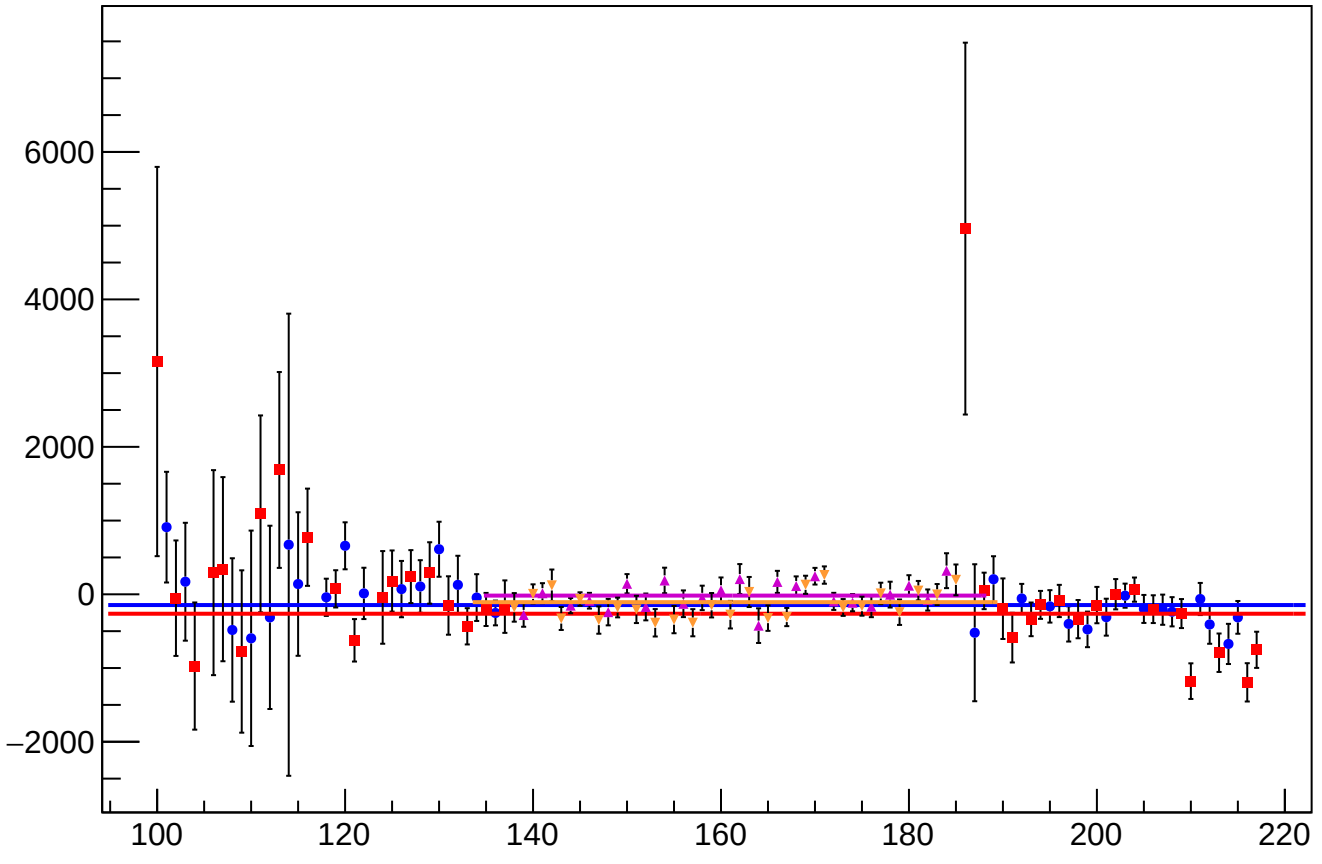
Right Out: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.518+/-0.005 χ^2/NDF: 3548730.3/55

All: 42.871+/-0.004 χ^2/NDF: 8053680.0/114

\- sign 43.238+/-0.005 χ^2/NDF: 4494615.8/58



Right In: -145.758+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -263.521+/-48.947 χ^2/NDF: 67.0/35

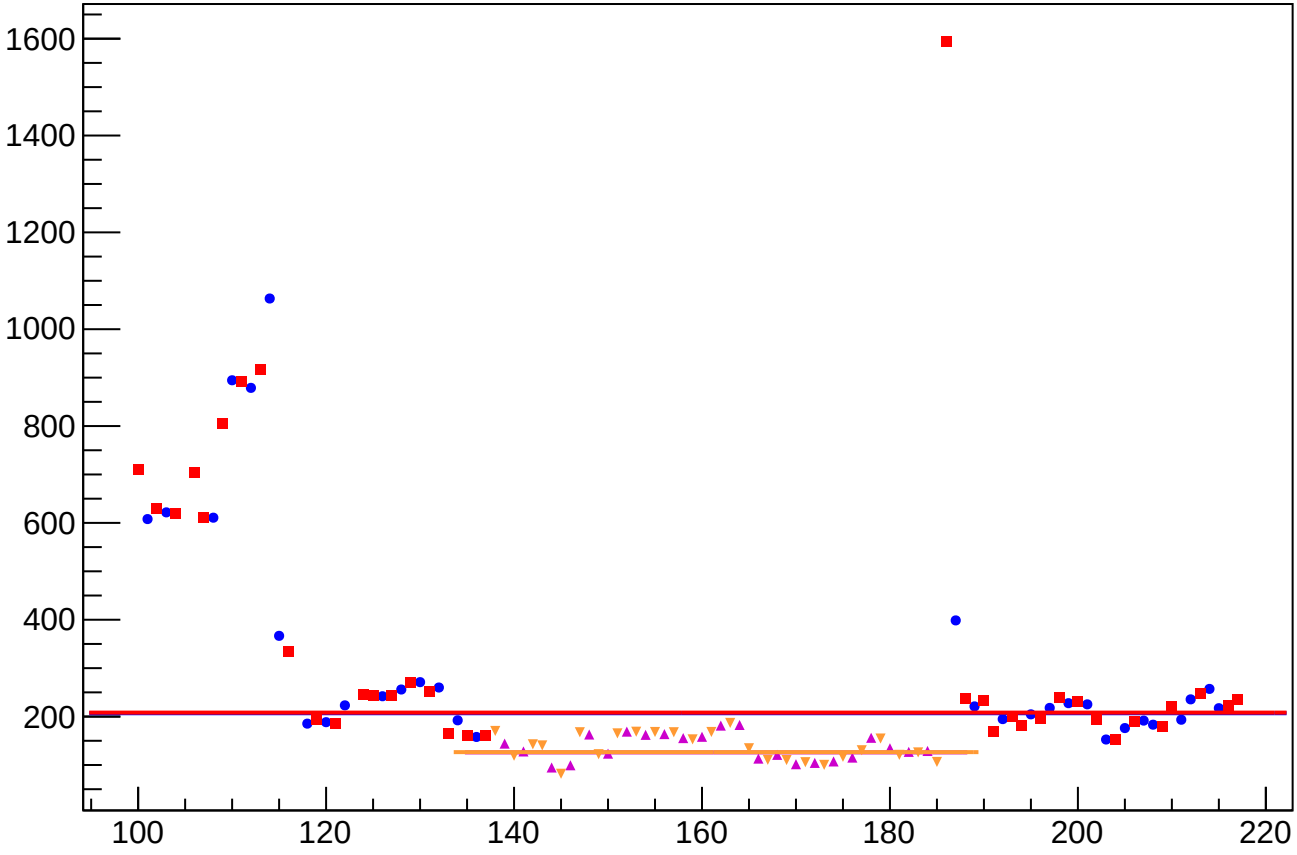
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -116.792+/-25.396 χ^2/NDF: 64.8/55

All: -101.228+/-18.062 χ^2/NDF: 179.1/114

- sign -85.298+/-25.692 χ^2/NDF: 113.5/58

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.871+/-0.035 χ^2/NDF: 3577902.1/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

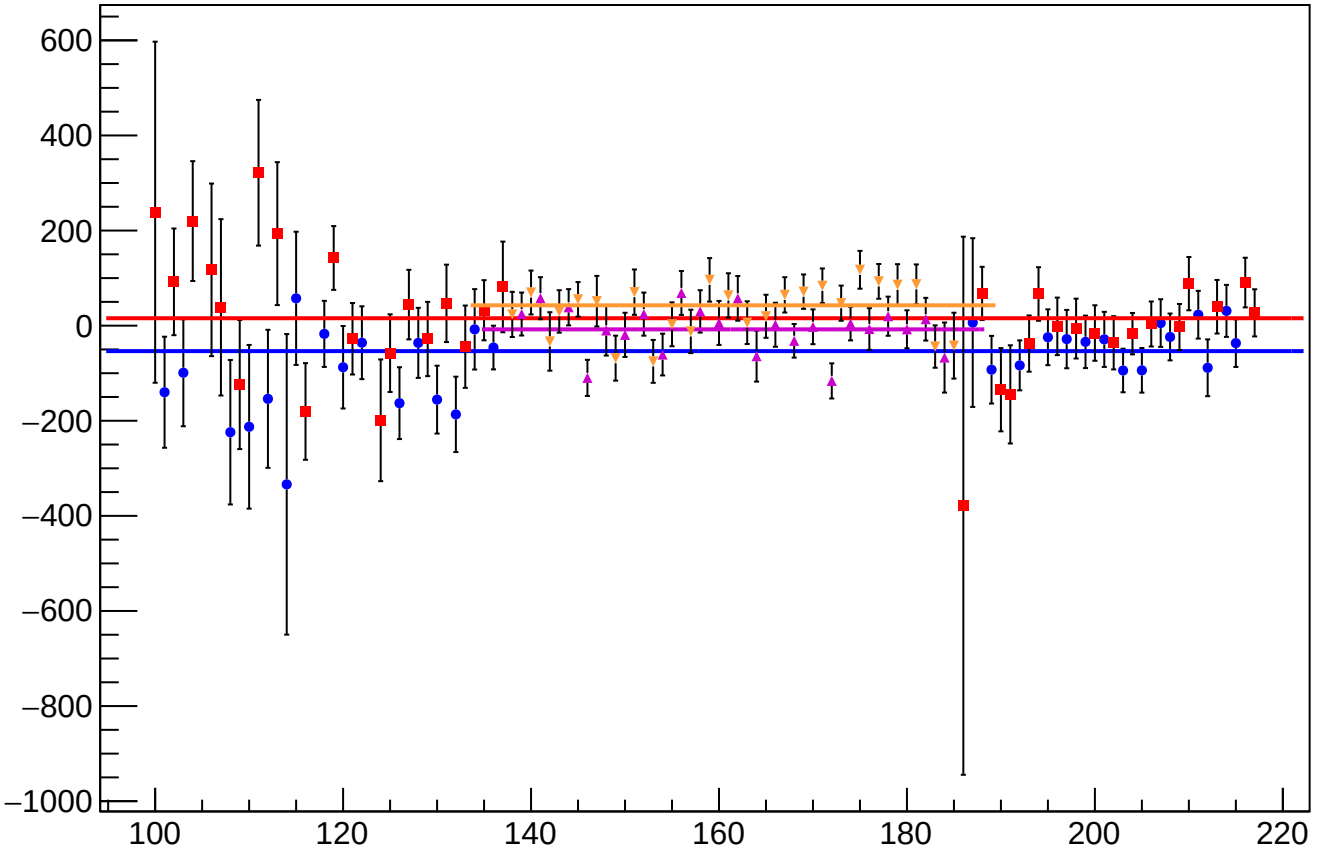
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 147.606+/-0.018 χ^2/NDF: 9203781.4/55

All: 148.128+/-0.013 χ^2/NDF: 19489165.9/11

- sign 148.662+/-0.018 χ^2/NDF: 10283677.9/58

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -53.557+/-11.866 χ^2/NDF: 22.5/30

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 15.604+/-11.827 χ^2/NDF: 37.6/35

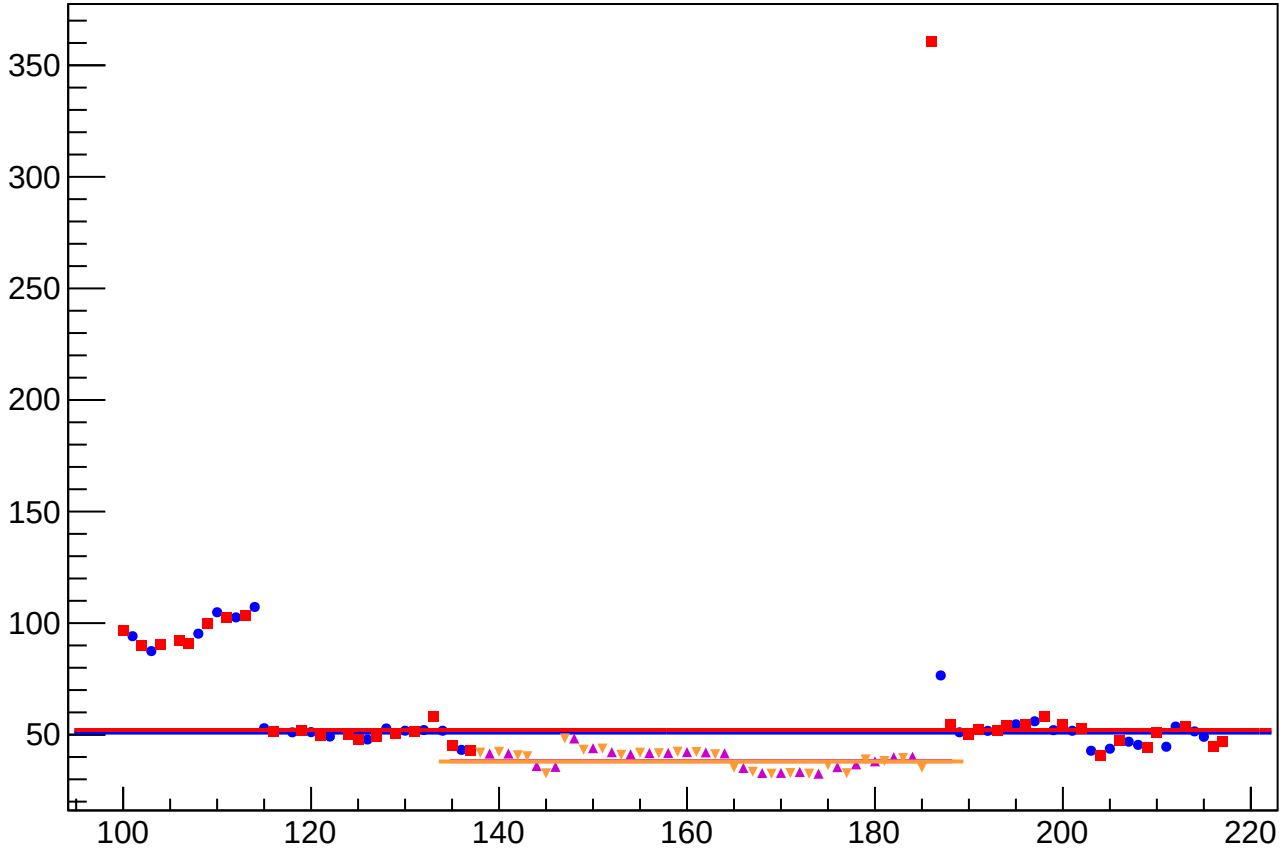
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 9.101+/-7.015 χ^2/NDF: 100.1/55

All: 5.010+/-5.007 χ^2/NDF: 171.4/114

- sign 0.761+/-7.149 χ^2/NDF: 70.7/58

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.945+/-0.008 χ^2/NDF: 1484476.2/30

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

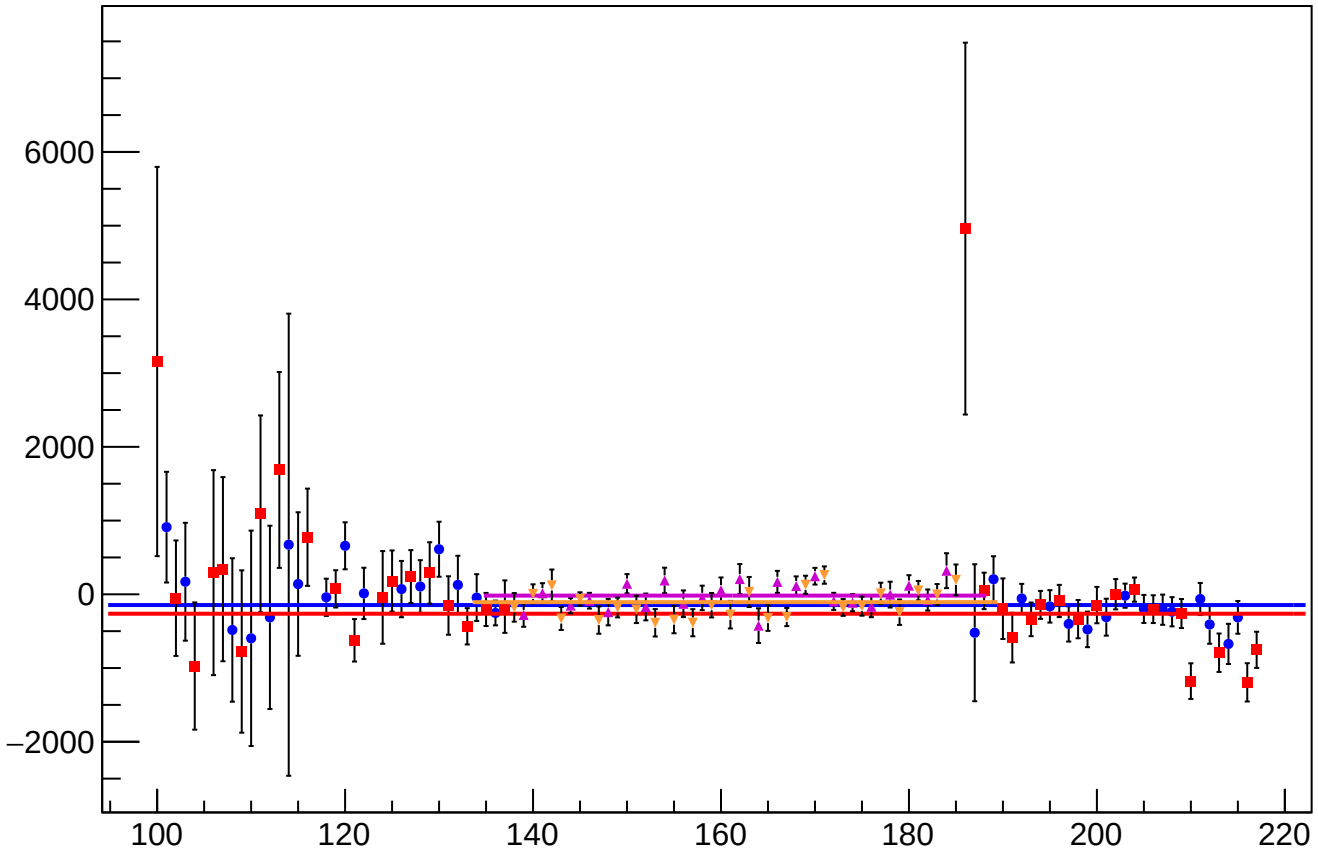
Right Out: 52.104+/-0.008 χ^2/NDF: 2295174.1/35

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.518+/-0.005 χ^2/NDF: 3548730.3/55

All: 42.871+/-0.004 χ^2/NDF: 8053680.0/114

- sign 43.238+/-0.005 χ^2/NDF: 4494615.8/58



Right In: -145.758+/-49.610 χ^2/NDF: 26.7/30

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

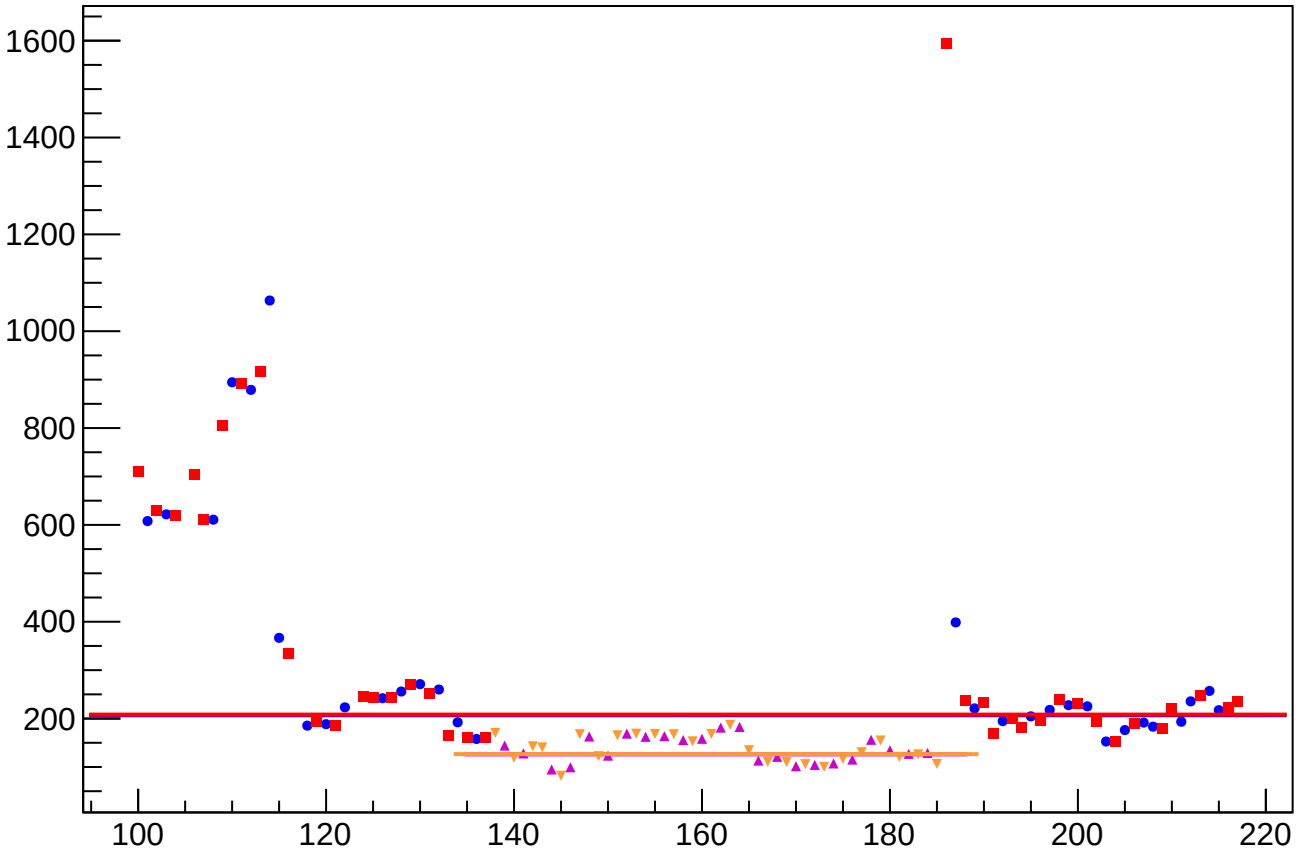
Right Out: -263.521+/-48.947 χ^2/NDF: 67.0/35

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -116.792+/-25.396 χ^2/NDF: 64.8/55

All: -101.228+/-18.062 χ^2/NDF: 179.1/114

- sign -85.298+/-25.692 χ^2/NDF: 113.5/58



Right In: 206.871+/-0.035 χ^2/NDF: 3577902.1/30

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.213+/-0.035 χ^2/NDF: 4786576.2/35

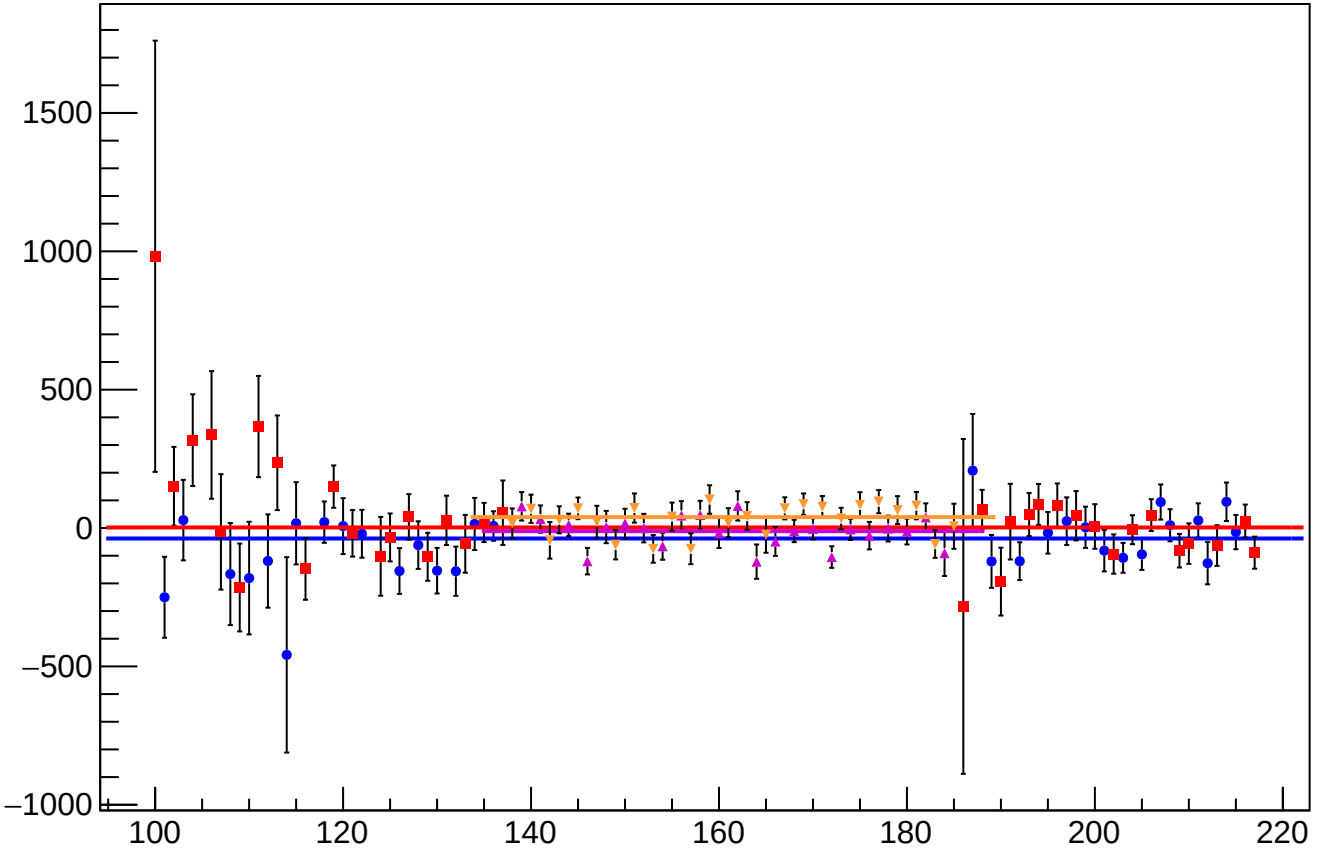
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 147.606+/-0.018 χ^2/NDF: 9203781.4/55

All: 148.128+/-0.013 χ^2/NDF: 19489165.9/11

- sign 148.662+/-0.018 χ^2/NDF: 10283677.9/58

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -37.758+/-14.453 χ^2/NDF: 31.6/30

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 2.115+/-14.476 χ^2/NDF: 39.7/35

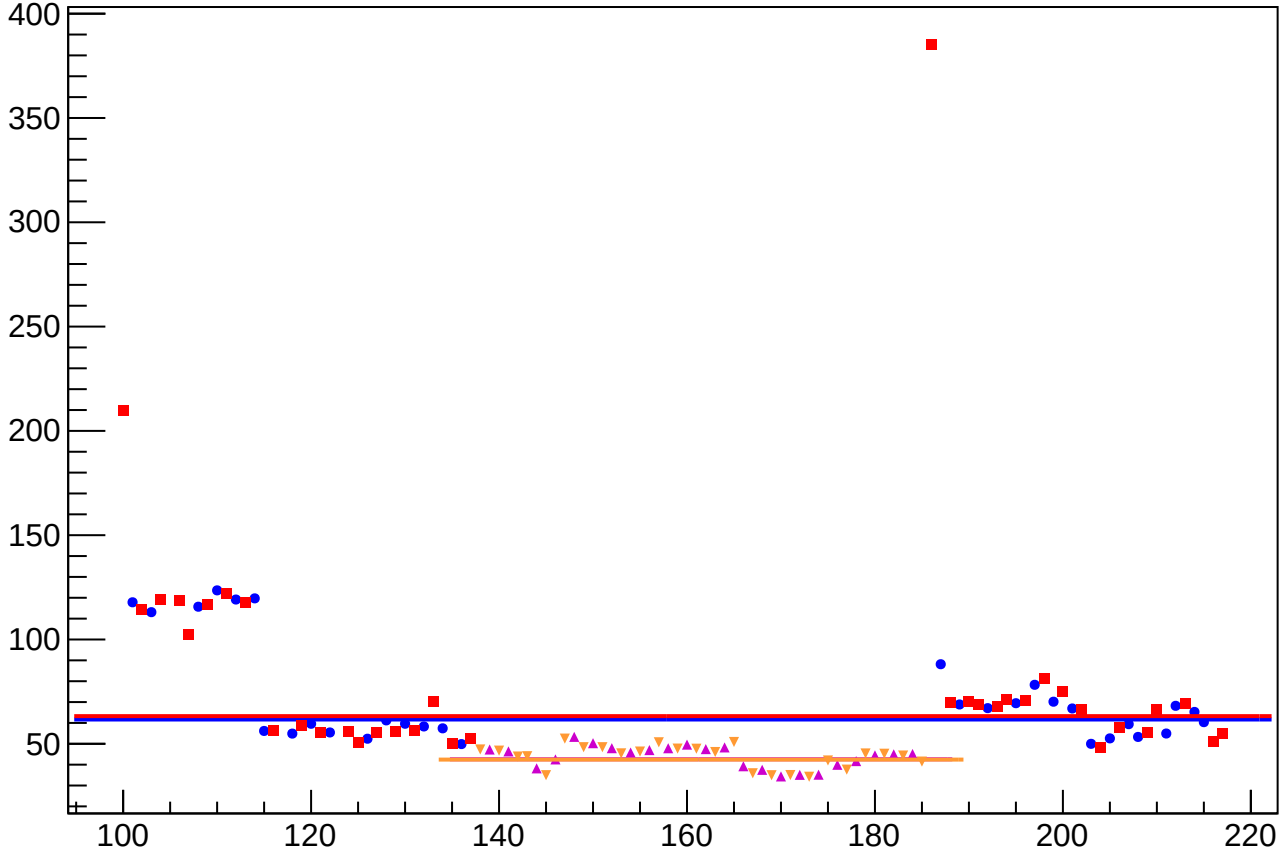
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.398+/-8.080 χ^2/NDF: 80.9/55

All: 4.496+/-5.780 χ^2/NDF: 152.9/114

- sign -6.925+/-8.270 χ^2/NDF: 68.2/58

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.645+/-0.010 χ^2/NDF: 1773836.1/30

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.258+/-0.010 χ^2/NDF: 2721900.2/35

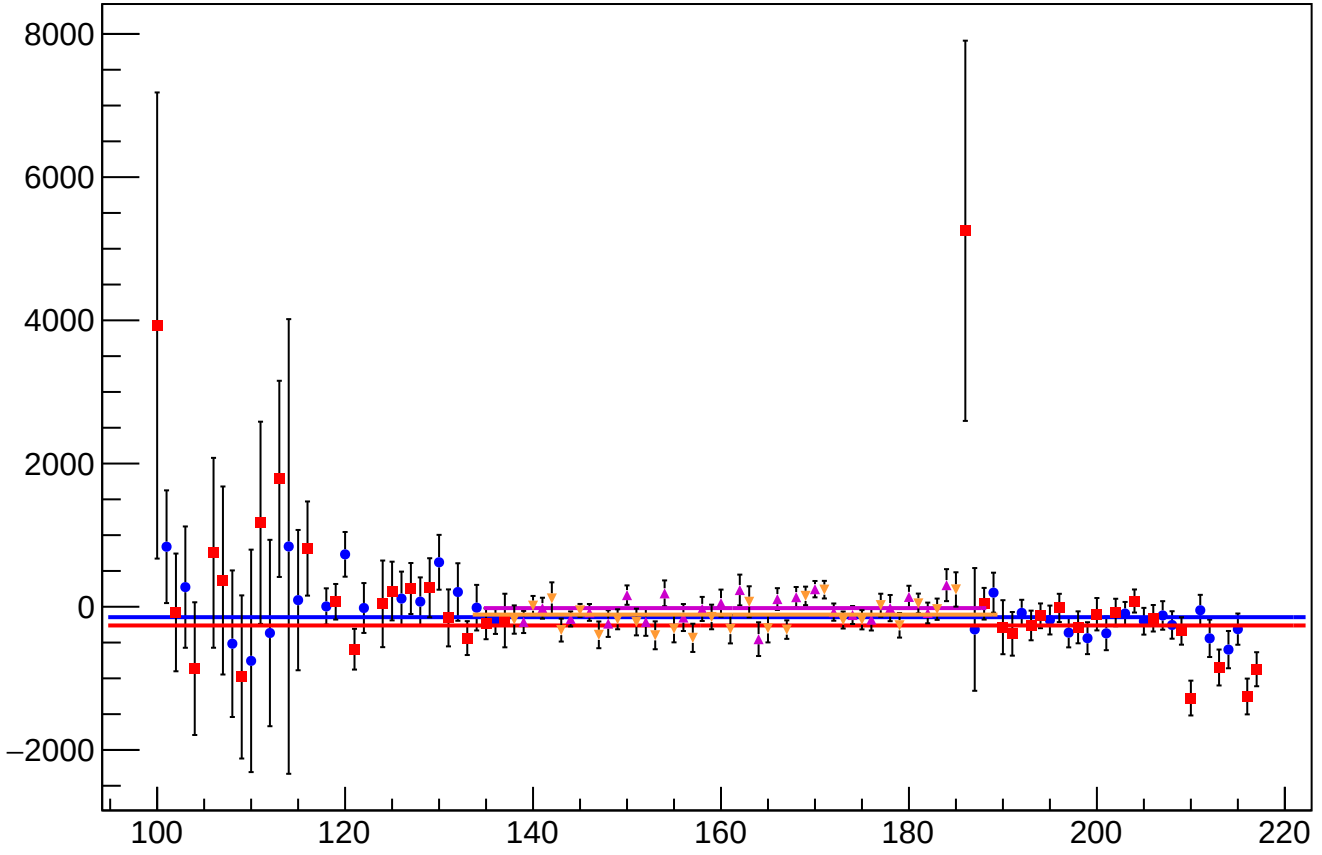
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.433+/-0.006 χ^2/NDF: 4903613.1/55

All: 48.870+/-0.004 χ^2/NDF: 10976576.7/114

- sign 49.329+/-0.006 χ^2/NDF: 6060943.2/58

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -145.570+/-48.005 χ^2/NDF: 27.7/30

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -261.391+/-46.595 χ^2/NDF: 78.5/35

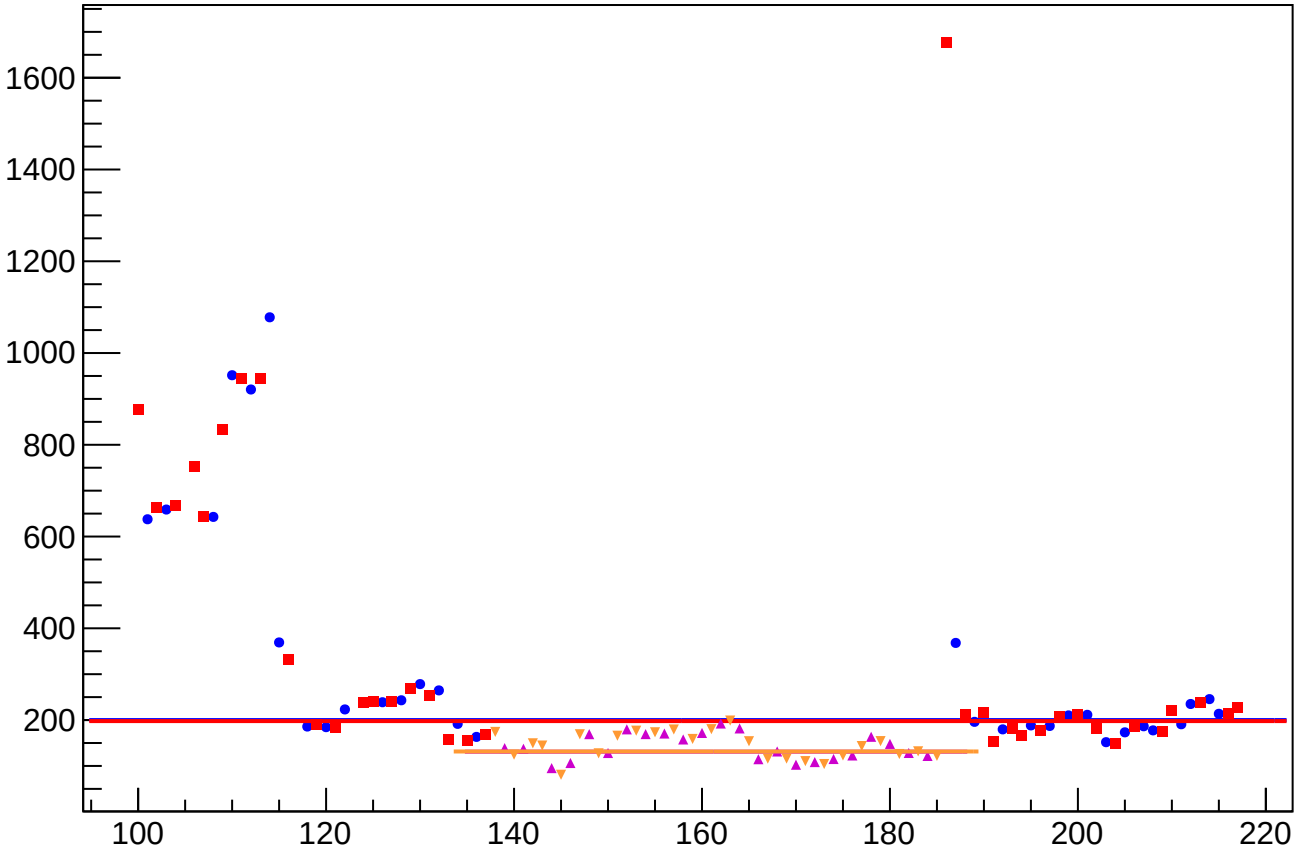
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -120.260+/-25.899 χ^2/NDF: 64.4/55

All: -107.642+/-18.378 χ^2/NDF: 189.1/114

- sign -94.843+/-26.083 χ^2/NDF: 124.3/58

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 199.957+/-0.034 χ^2/NDF: 3661837.7/30

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 197.753+/-0.033 χ^2/NDF: 5112919.6/35

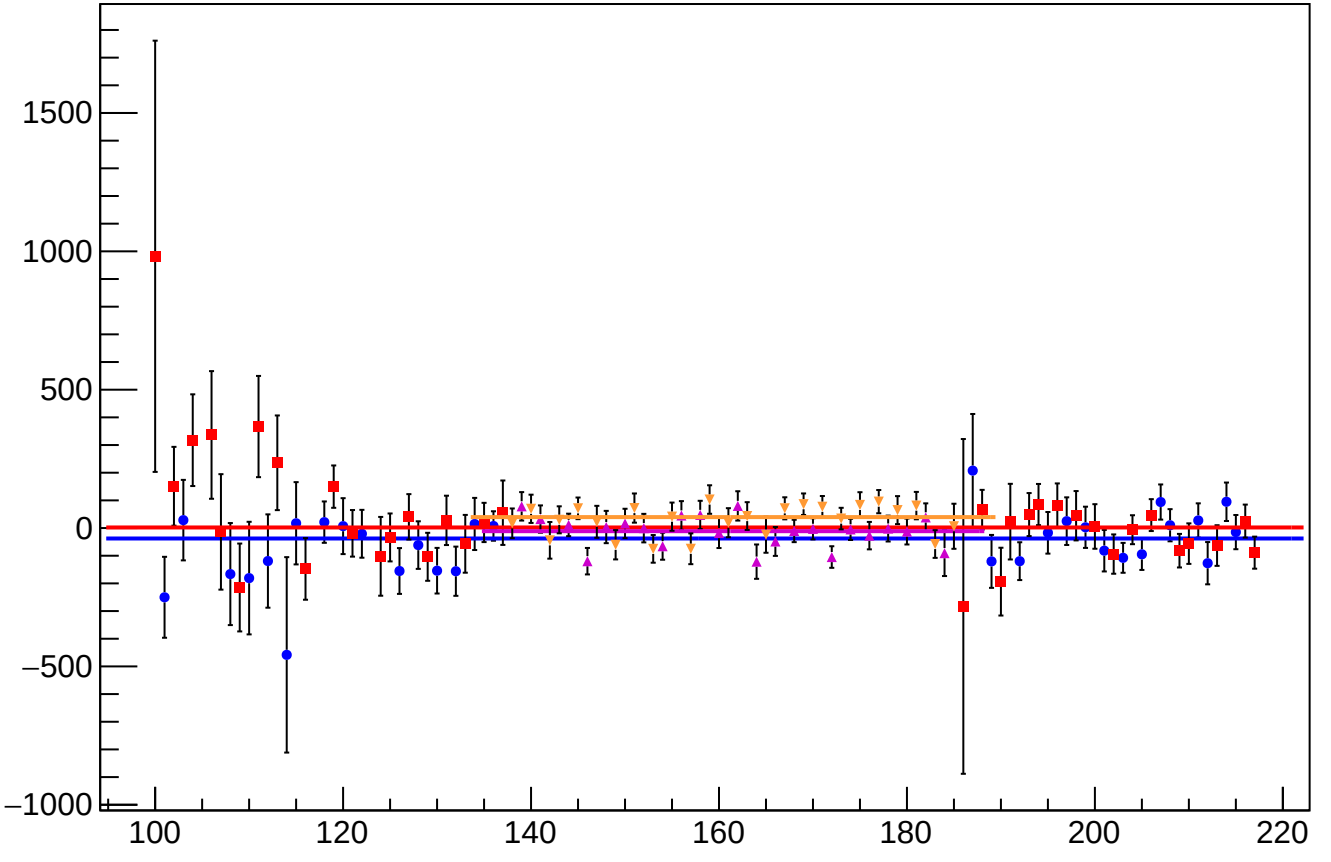
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 151.435+/-0.018 χ^2/NDF: 8446913.0/55

All: 151.700+/-0.013 χ^2/NDF: 17840386.1/11

- sign 151.968+/-0.018 χ^2/NDF: 9393053.1/58

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -37.757+/-14.453 χ^2/NDF: 31.6/30

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 2.116+/-14.476 χ^2/NDF: 39.7/35

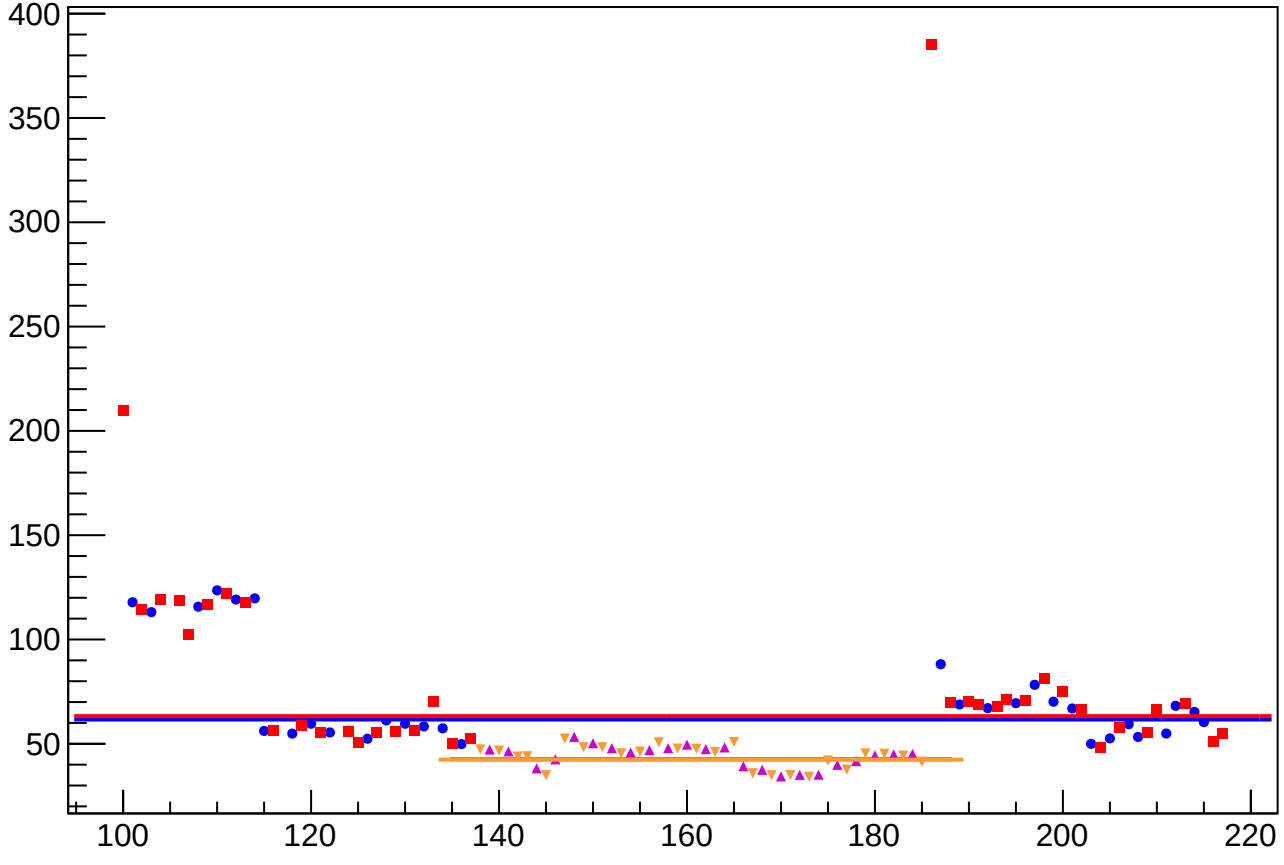
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.399+/-8.080 χ^2/NDF: 80.9/55

All: 4.497+/-5.780 χ^2/NDF: 152.9/114

- sign -6.925+/-8.270 χ^2/NDF: 68.2/58

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.645+/-0.010 χ^2/NDF: 1773826.2/30

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

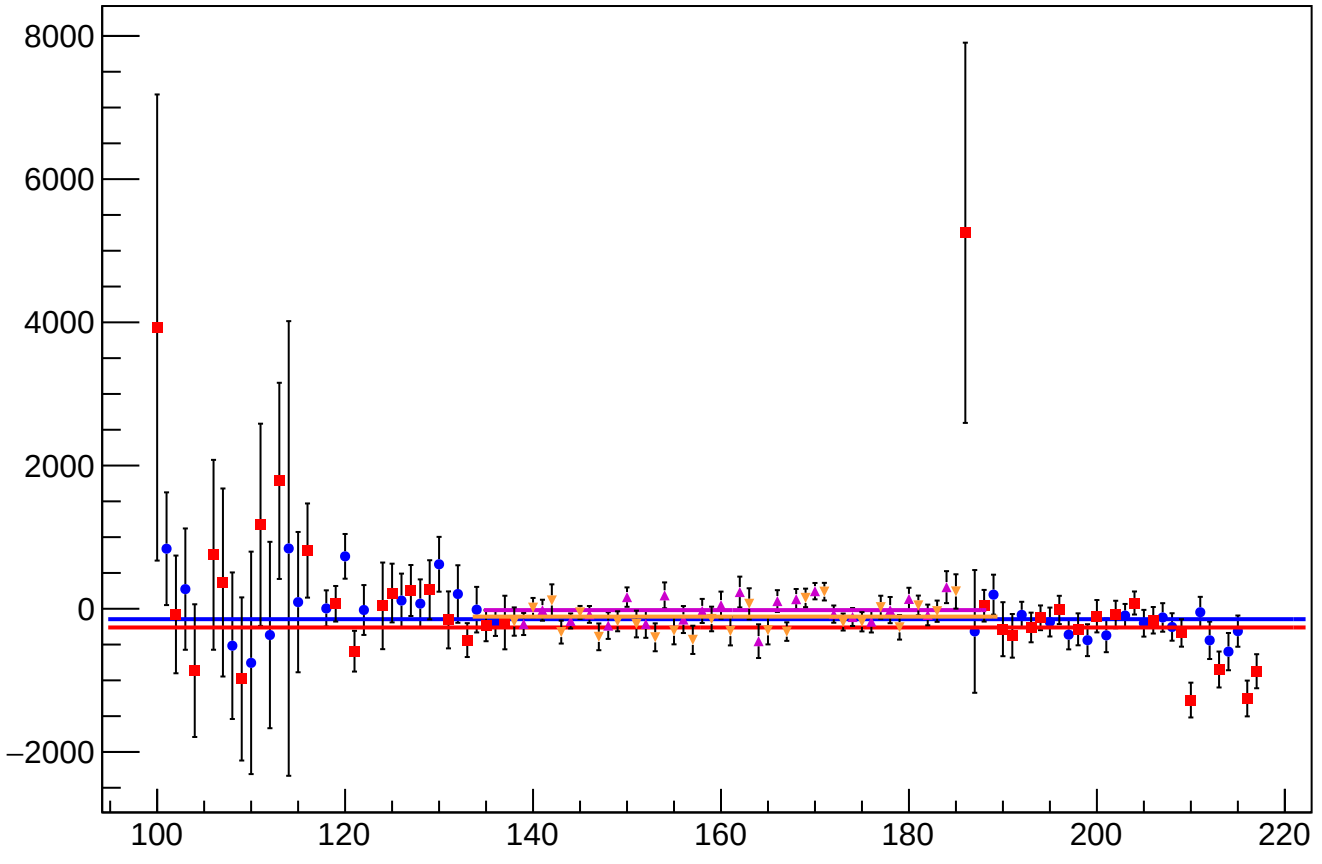
Right Out: 63.258+/-0.010 χ^2/NDF: 2721867.9/35

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.433+/-0.006 χ^2/NDF: 4903634.6/55

All: 48.870+/-0.004 χ^2/NDF: 10976611.1/114

- sign 49.329+/-0.006 χ^2/NDF: 6060953.0/58



Right In: -145.571+/-48.005 χ^2/NDF: 27.7/30

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

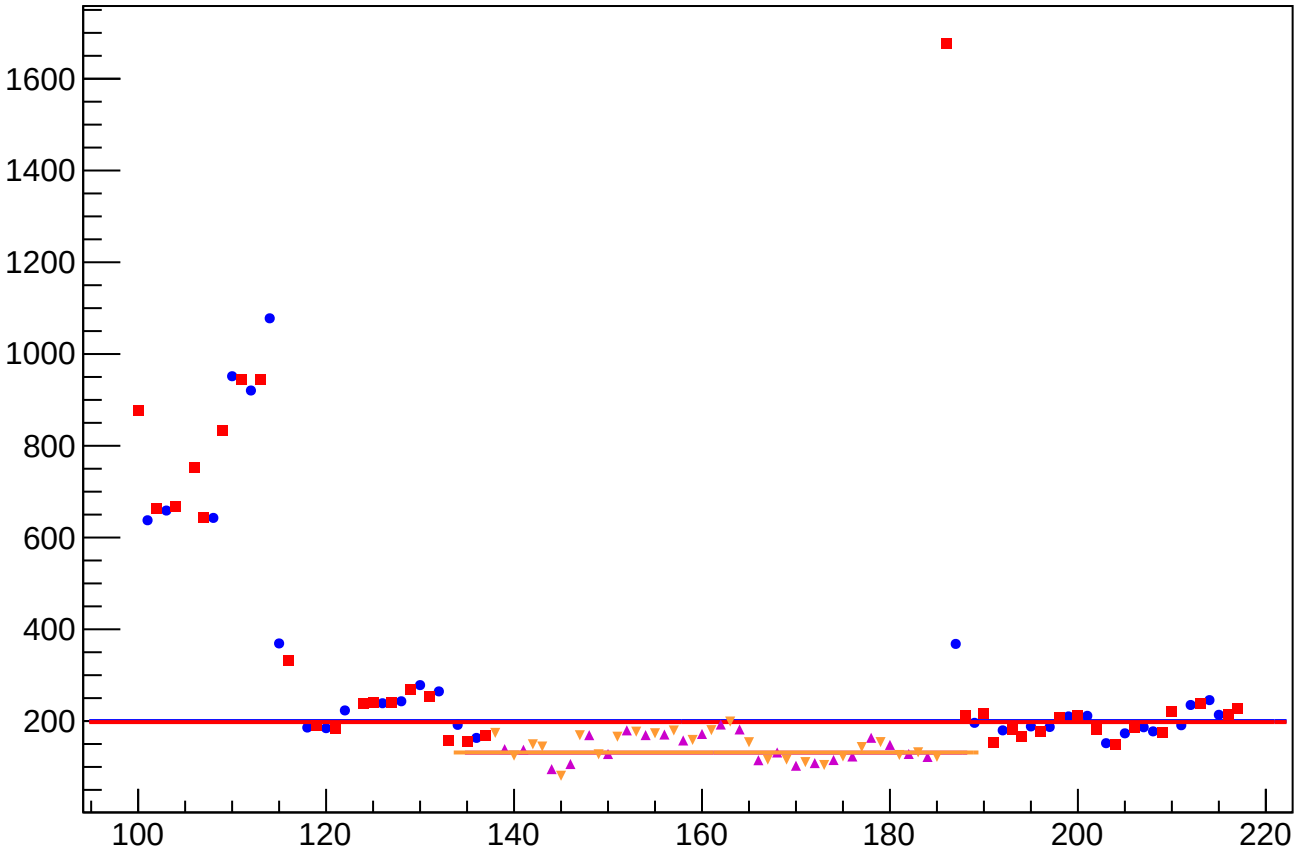
Right Out: -261.389+/-46.595 χ^2/NDF: 78.5/35

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -120.260+/-25.899 χ^2/NDF: 64.4/55

All: -107.642+/-18.378 χ^2/NDF: 189.1/114

- sign -94.843+/-26.083 χ^2/NDF: 124.3/58



Right In: 199.957+/-0.034 χ^2/NDF: 3661838.0/30

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

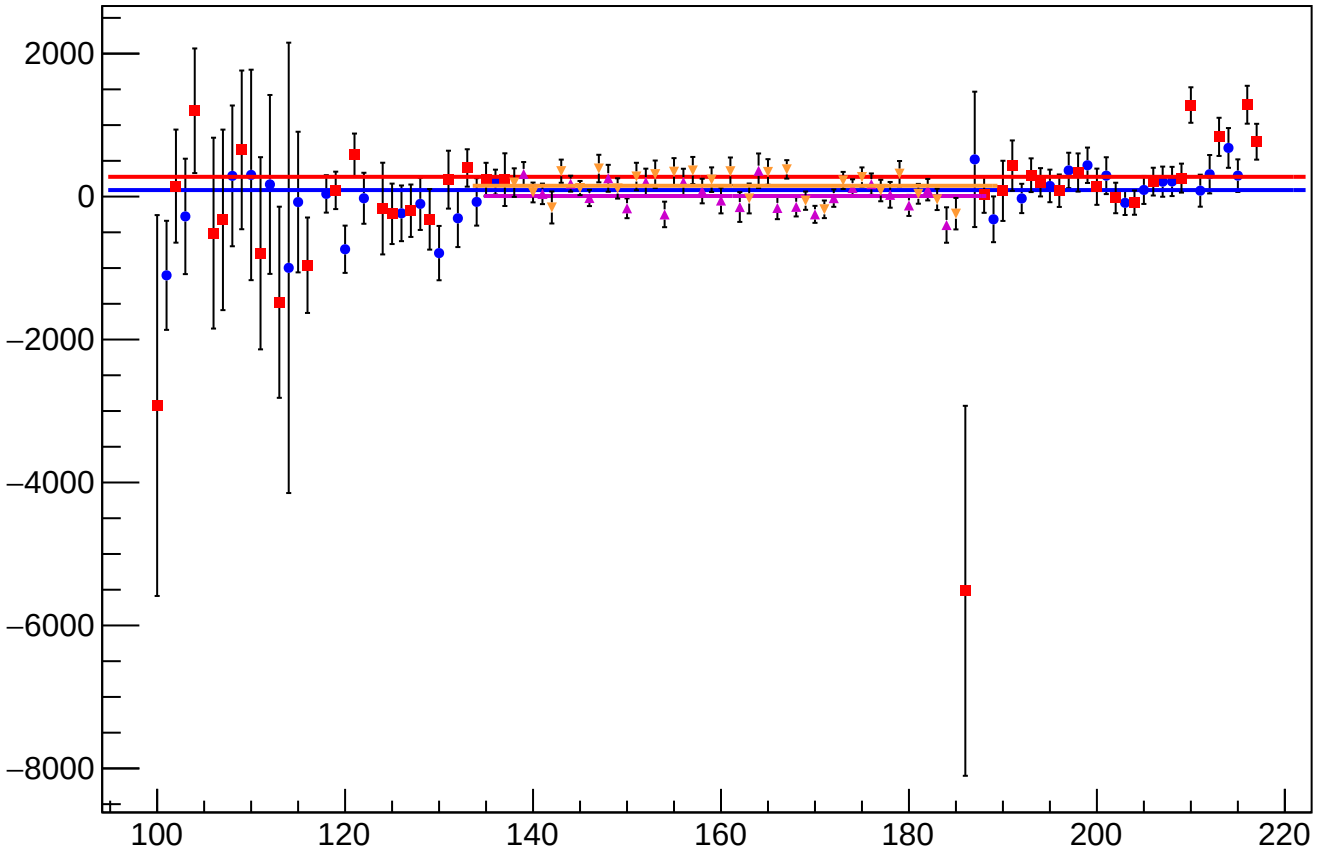
Right Out: 197.752+/-0.033 χ^2/NDF: 5112928.8/35

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 151.435+/-0.018 χ^2/NDF: 8446845.8/55

All: 151.700+/-0.013 χ^2/NDF: 17840271.6/11

- sign 151.968+/-0.018 χ^2/NDF: 9393005.9/58



Right In: 91.055+/-51.159 χ^2/NDF: 31.0/30

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 276.418+/-50.555 χ^2/NDF: 69.8/35

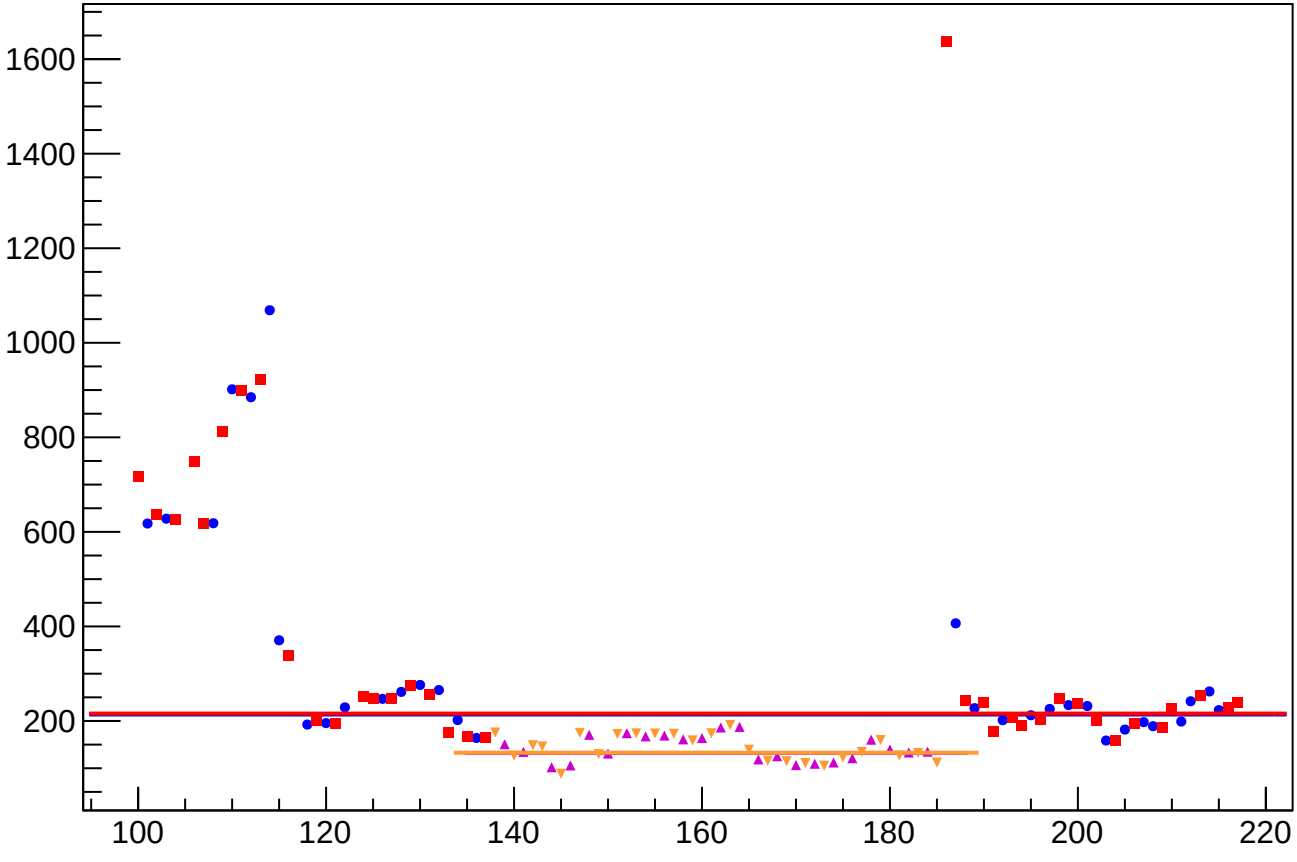
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 135.016+/-26.482 χ^2/NDF: 65.1/55

All: 109.545+/-18.840 χ^2/NDF: 186.5/114

- sign 83.440+/-26.809 χ^2/NDF: 119.5/58

asym_sam_37_26_dd_rms vs Slug



Right In: 213.683+/-0.036 χ^2/NDF: 3478598.9/30

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

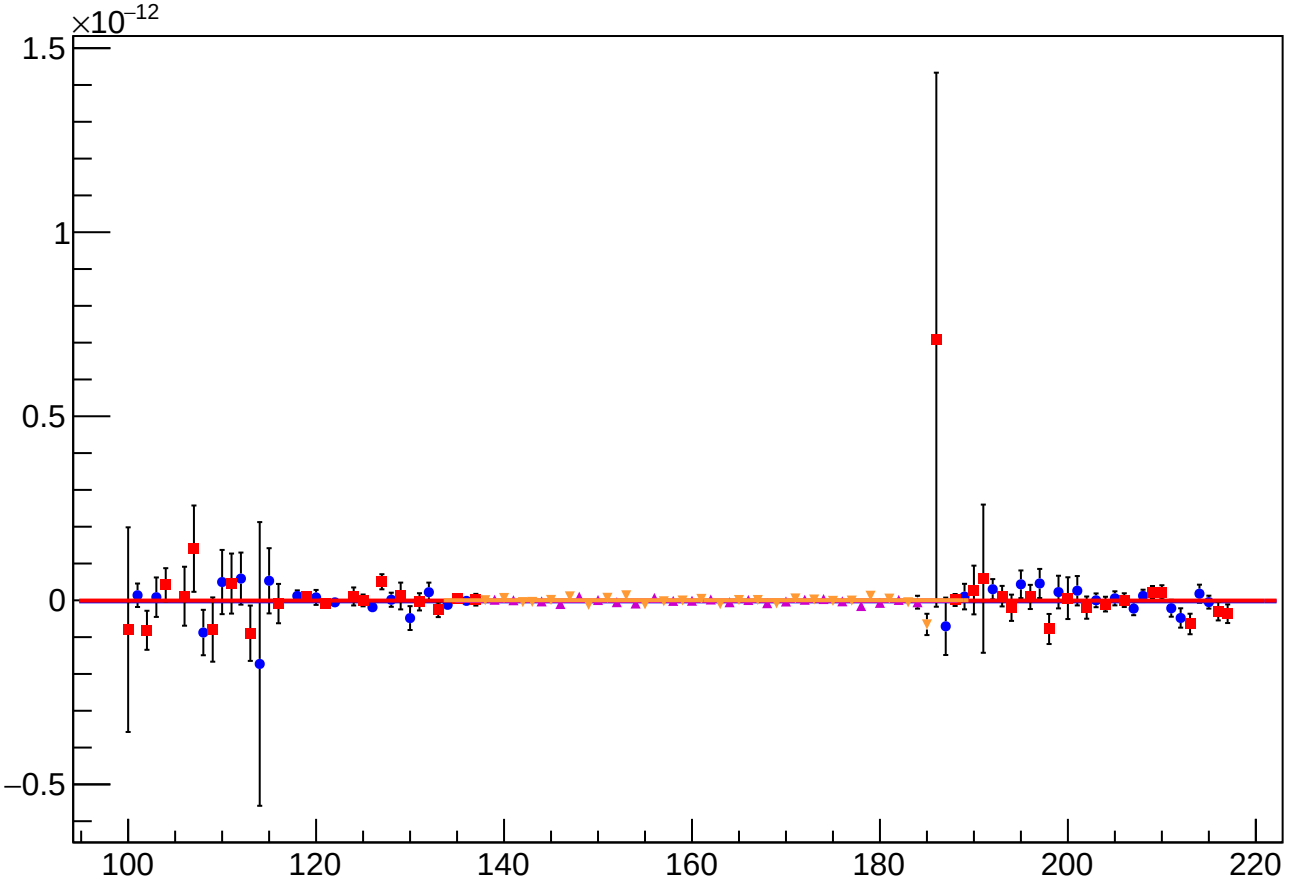
Right Out: 215.657+/-0.036 χ^2/NDF: 4723065.5/35

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 154.529+/-0.019 χ^2/NDF: 8723741.2/55

All: 155.142+/-0.013 χ^2/NDF: 18631210.0/11

- sign 155.771+/-0.019 χ^2/NDF: 9905294.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

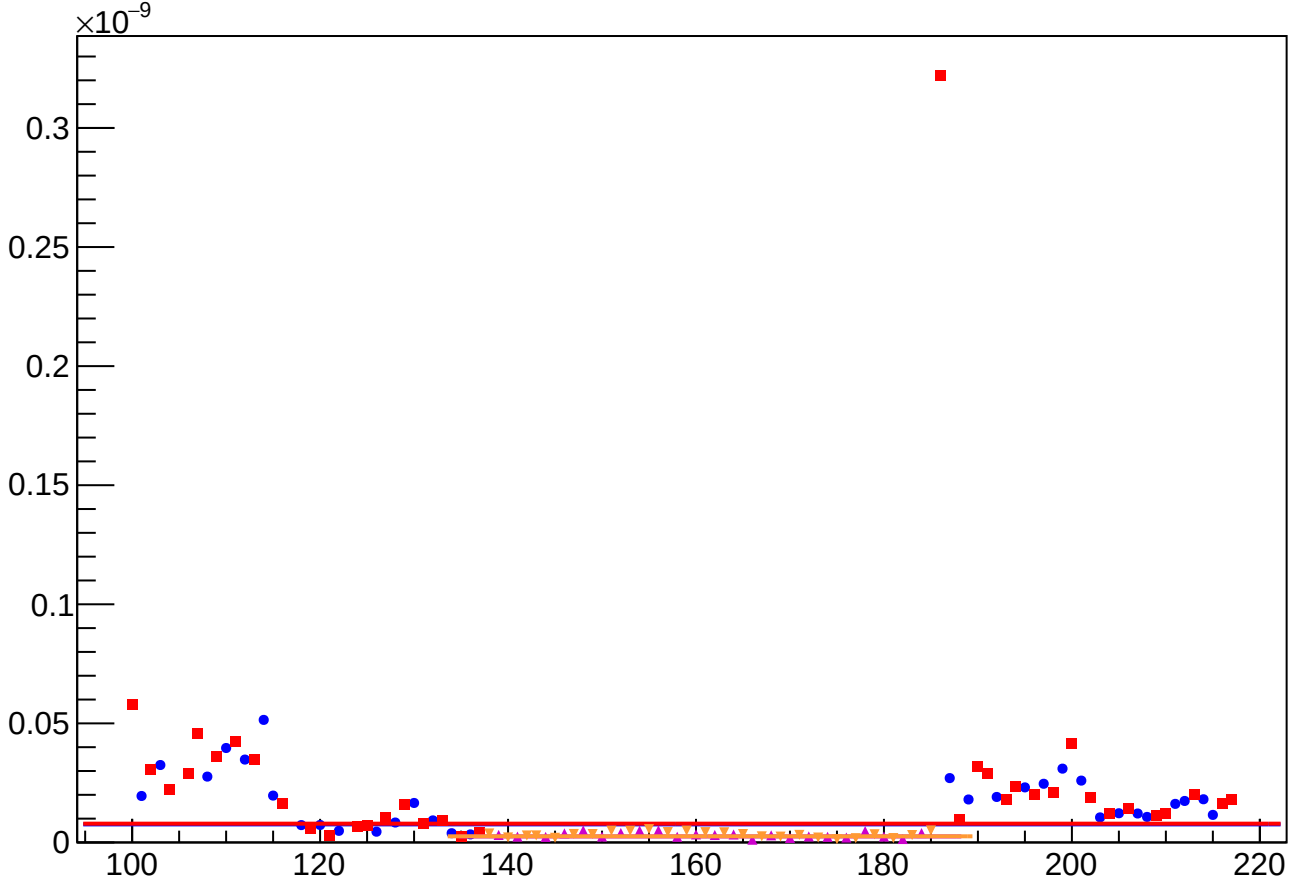
Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/35

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.3/55

All: -0.000+/-0.000 χ^2/NDF: 109.1/114

- sign -0.000+/-0.000 χ^2/NDF: 51.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7248102.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8486212.3/35

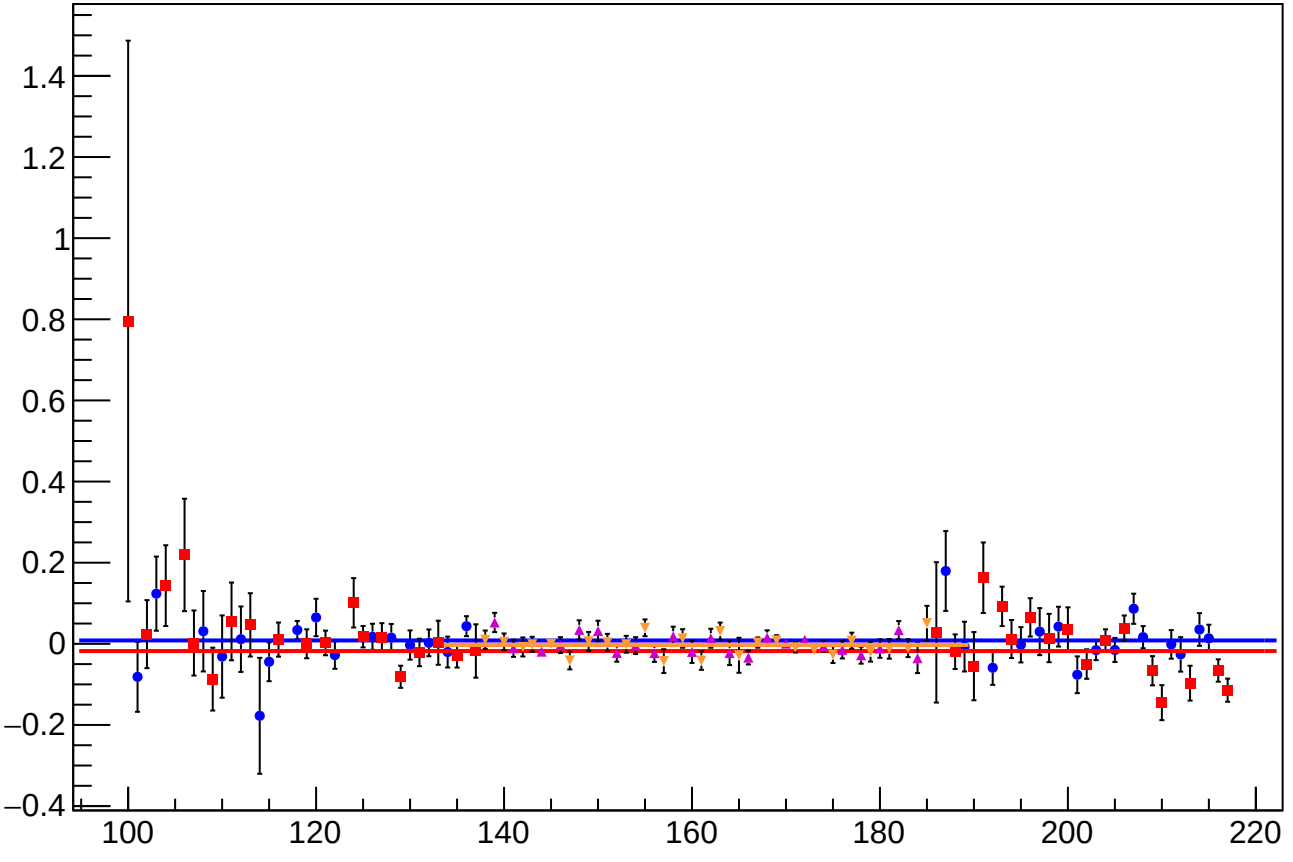
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13934902.7/55

All: 0.000+/-0.000 χ^2/NDF: 28616293.4/114

- sign 0.000+/-0.000 χ^2/NDF: 14679837.7/58

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

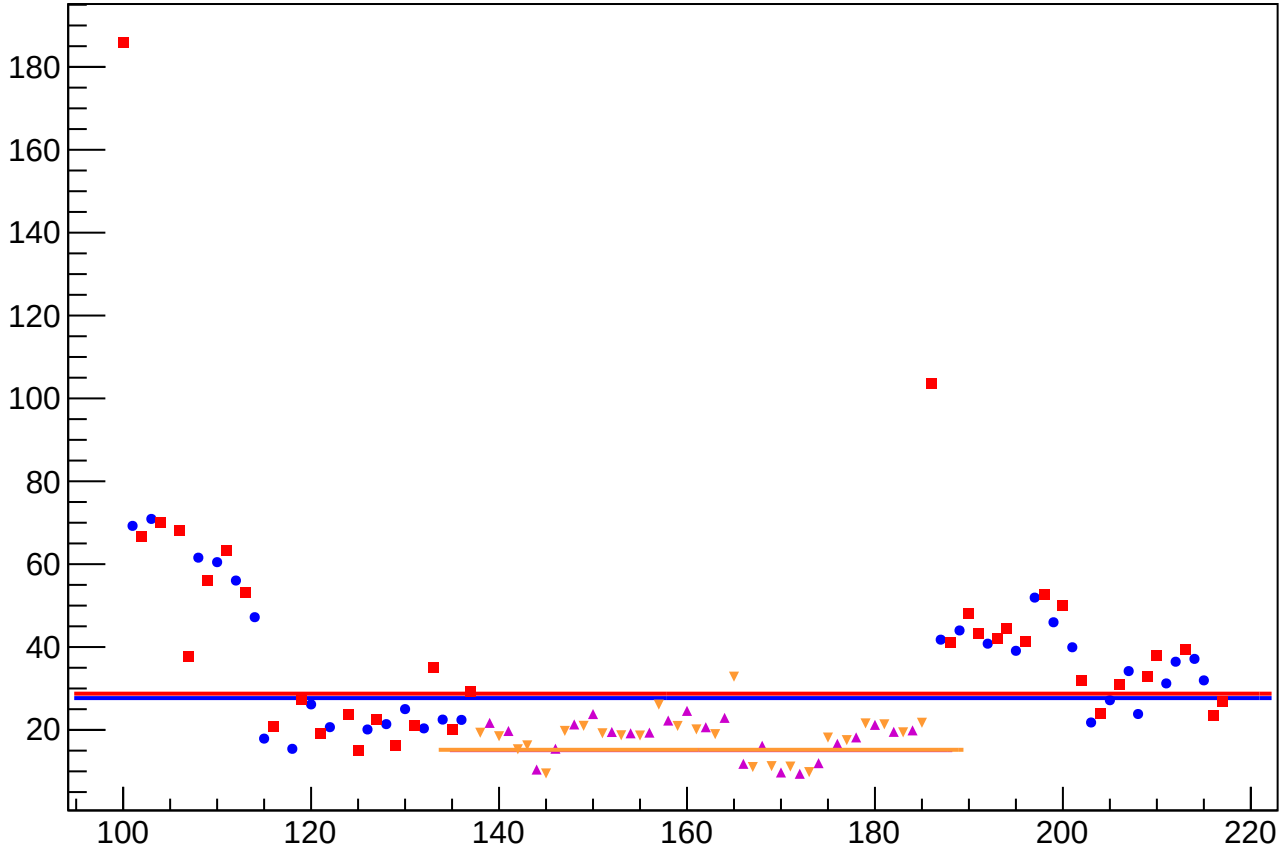
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.3/55

All: -0.003+/-0.002 χ^2/NDF: 157.2/114

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.677+/-0.005 χ^2/NDF: 4582370.9/30

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

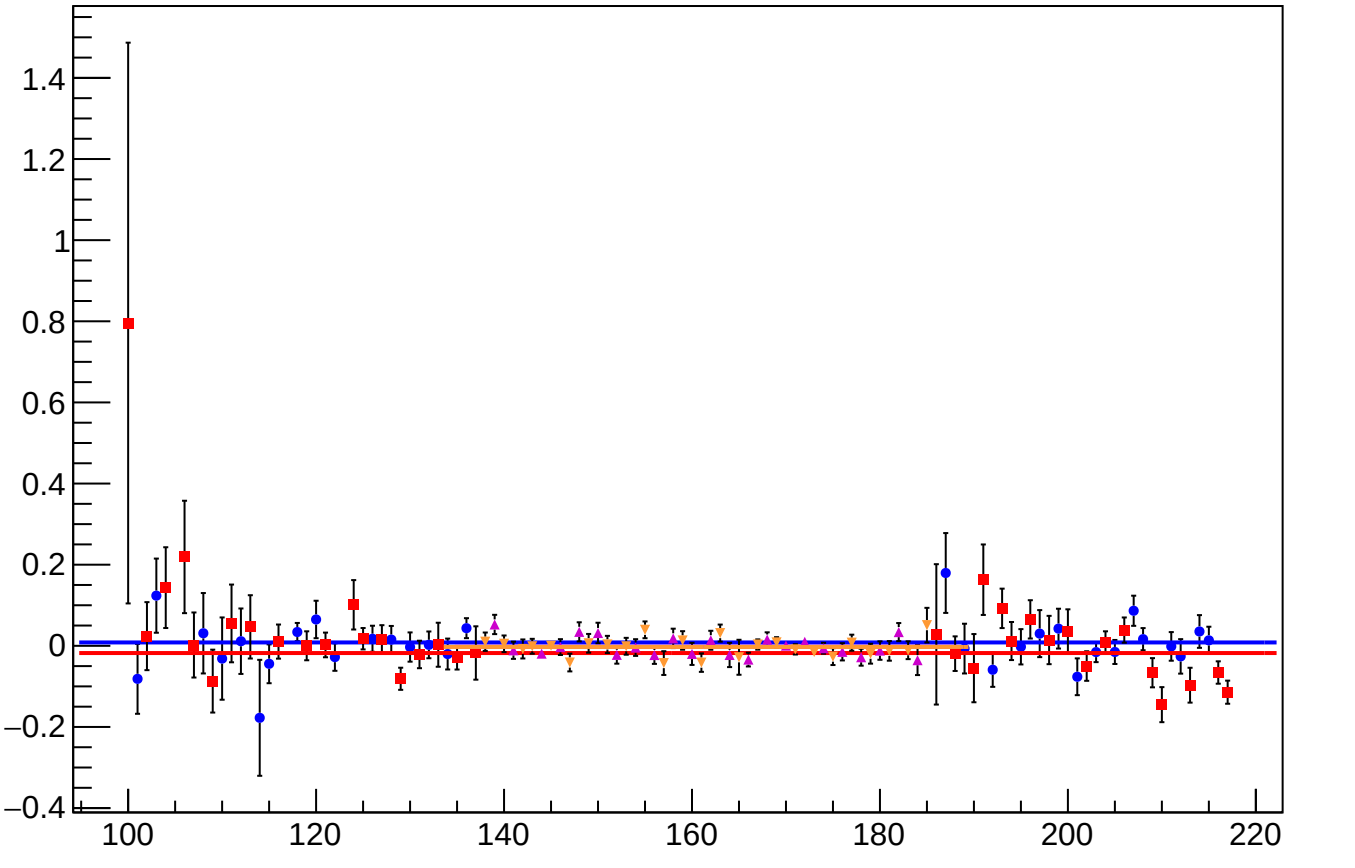
Right Out: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.959+/-0.002 χ^2/NDF: 13035991.4/55

All: 18.093+/-0.002 χ^2/NDF: 27898124.4/114

- sign 18.235+/-0.002 χ^2/NDF: 14855204.2/58



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

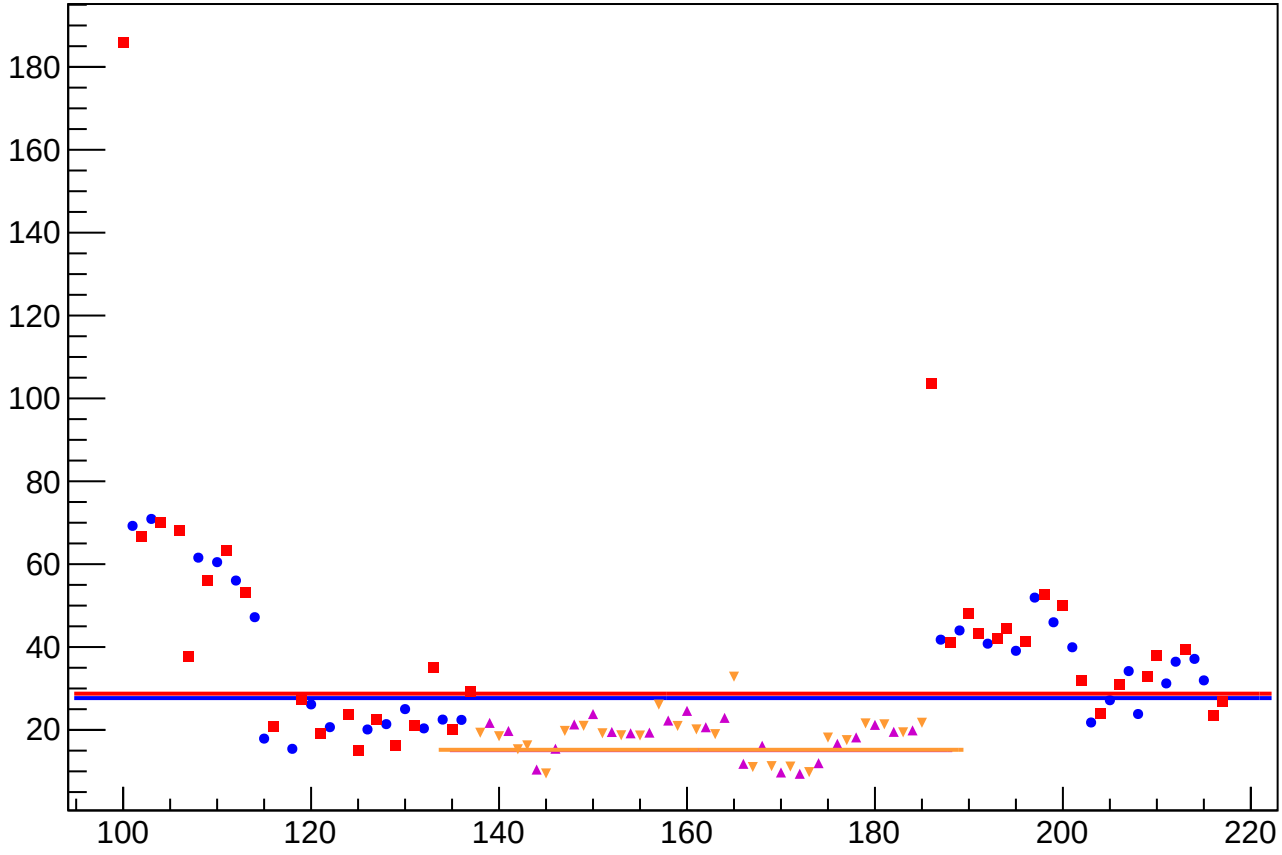
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.3/55

All: -0.003+/-0.002 χ^2/NDF: 157.2/114

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 27.677+/-0.005 χ^2/NDF: 4582370.9/30

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

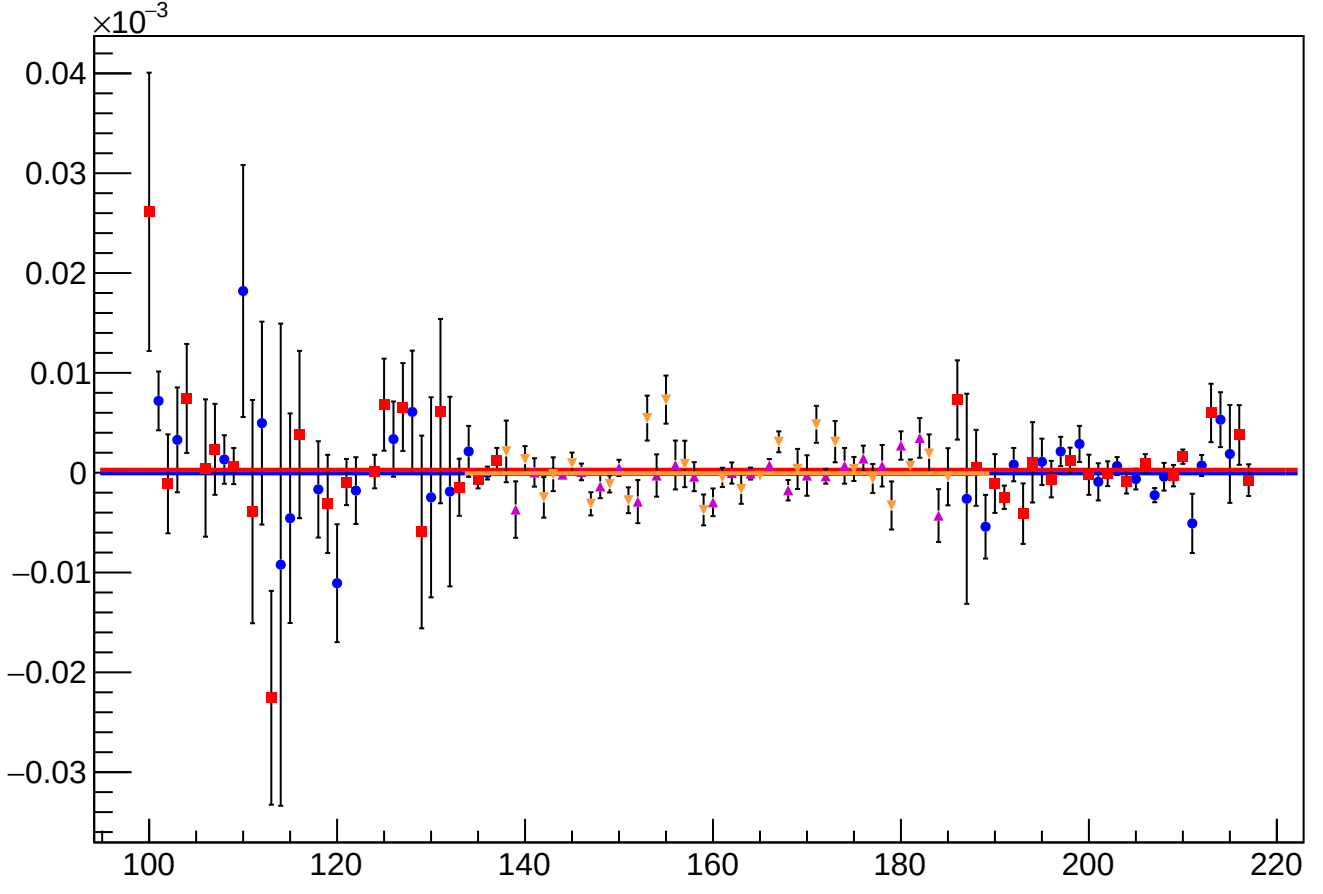
Right Out: 28.749+/-0.005 χ^2/NDF: 5642531.7/35

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.959+/-0.002 χ^2/NDF: 13035991.4/55

All: 18.093+/-0.002 χ^2/NDF: 27898124.4/114

- sign 18.235+/-0.002 χ^2/NDF: 14855204.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.3/30

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

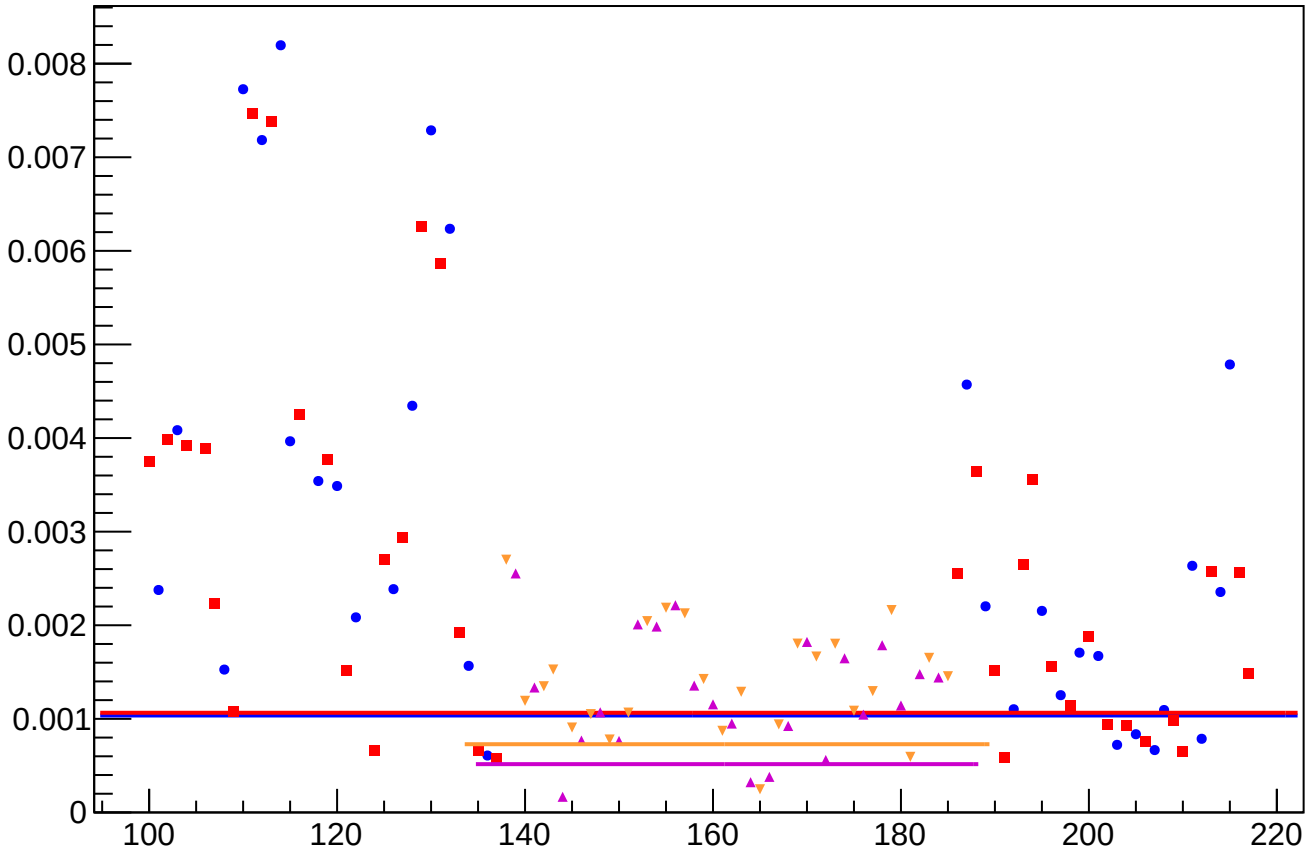
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/35

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 105.1/55

All: -0.000+/-0.000 χ^2/NDF: 172.6/114

- sign -0.000+/-0.000 χ^2/NDF: 67.4/58



Right In: 0.001+/-0.000 χ^2/NDF: 11749769.1/30

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

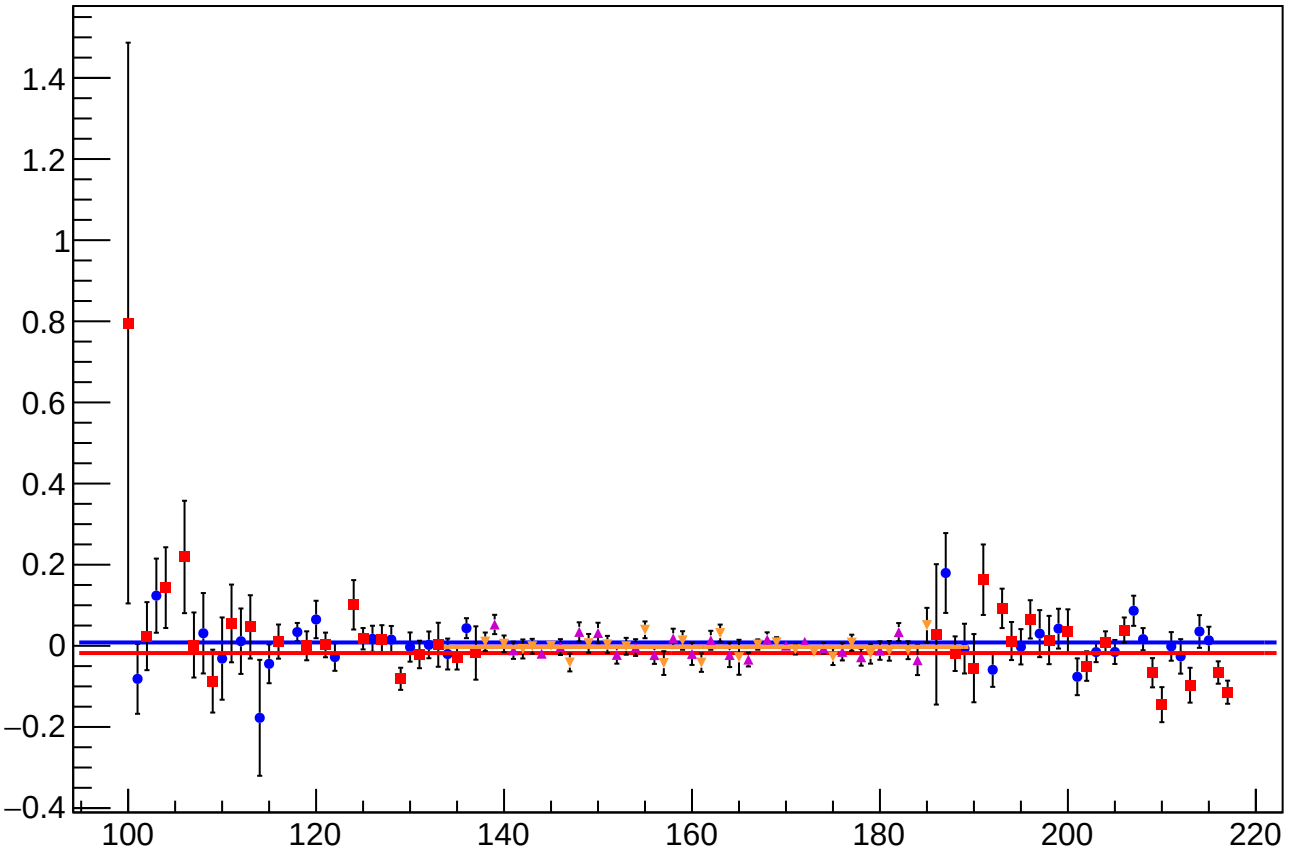
Right Out: 0.001+/-0.000 χ^2/NDF: 12288594.5/35

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 26251616.8/55

All: 0.001+/-0.000 χ^2/NDF: 59712578.1/114

- sign 0.001+/-0.000 χ^2/NDF: 32367375.9/58



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

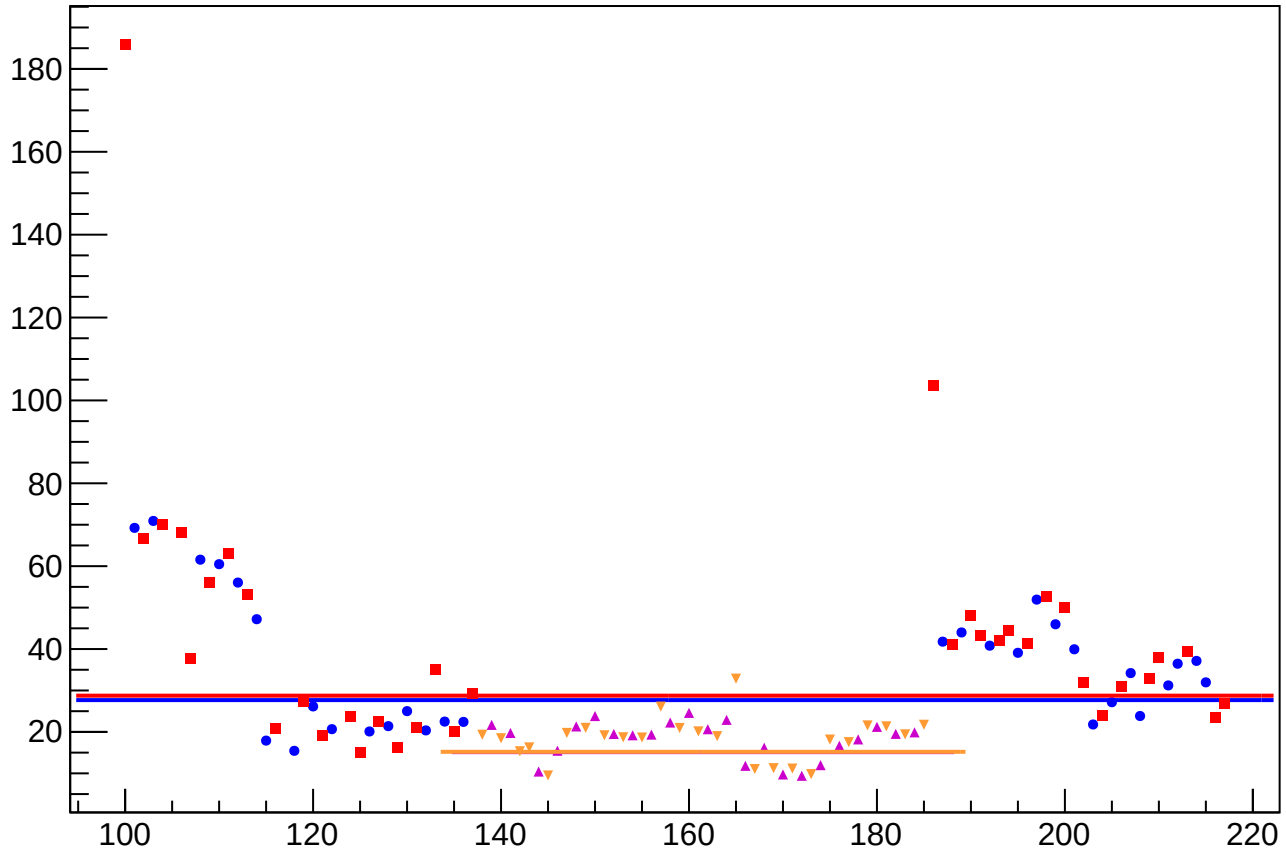
Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.3/55

All: -0.003+/-0.002 χ^2/NDF: 157.2/114

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58



Right In: 27.676+/-0.005 χ^2/NDF: 4582741.5/30

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

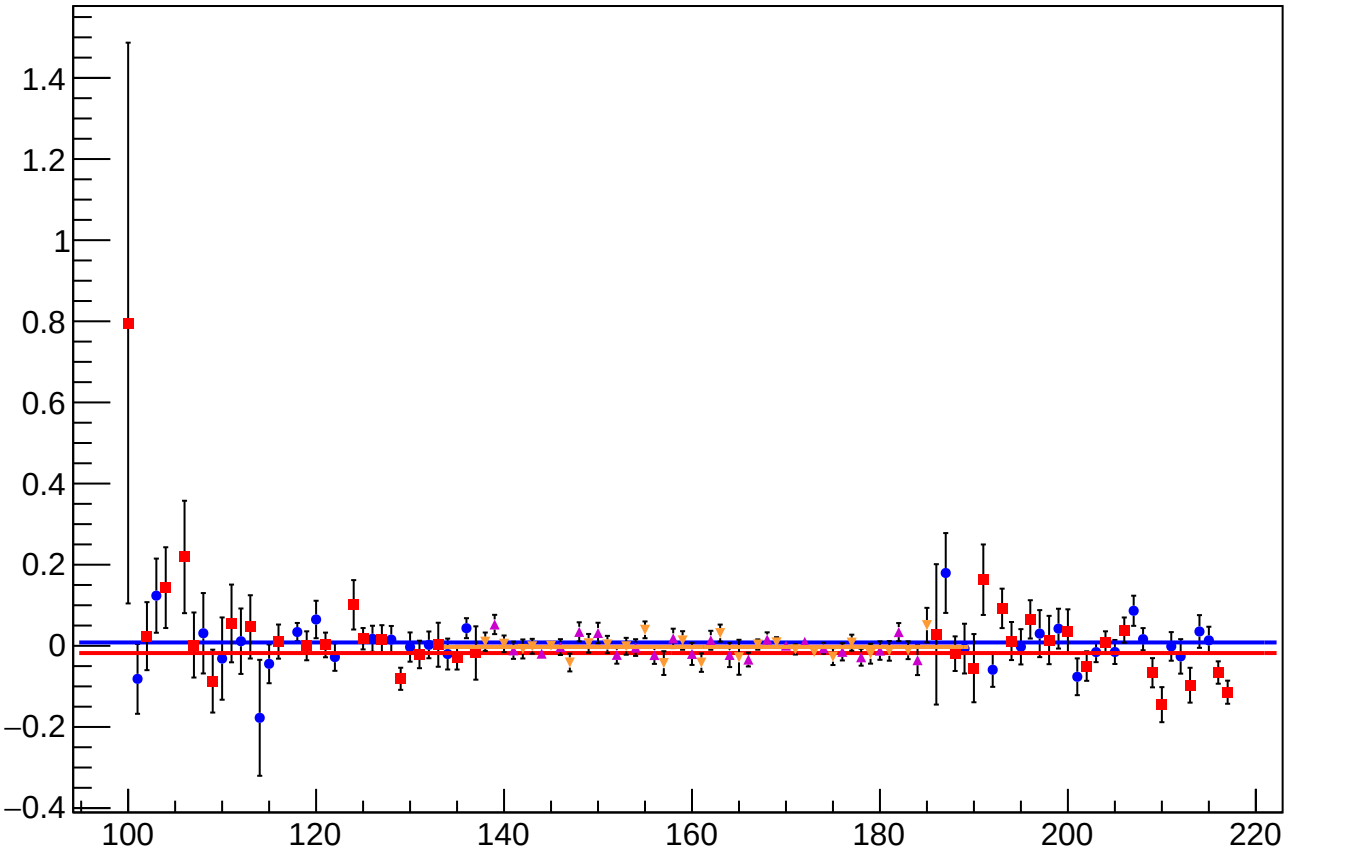
Right Out: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.959+/-0.002 χ^2/NDF: 13036007.2/55

All: 18.093+/-0.002 χ^2/NDF: 27898155.1/114

- sign 18.235+/-0.002 χ^2/NDF: 14855213.7/58



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/30

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

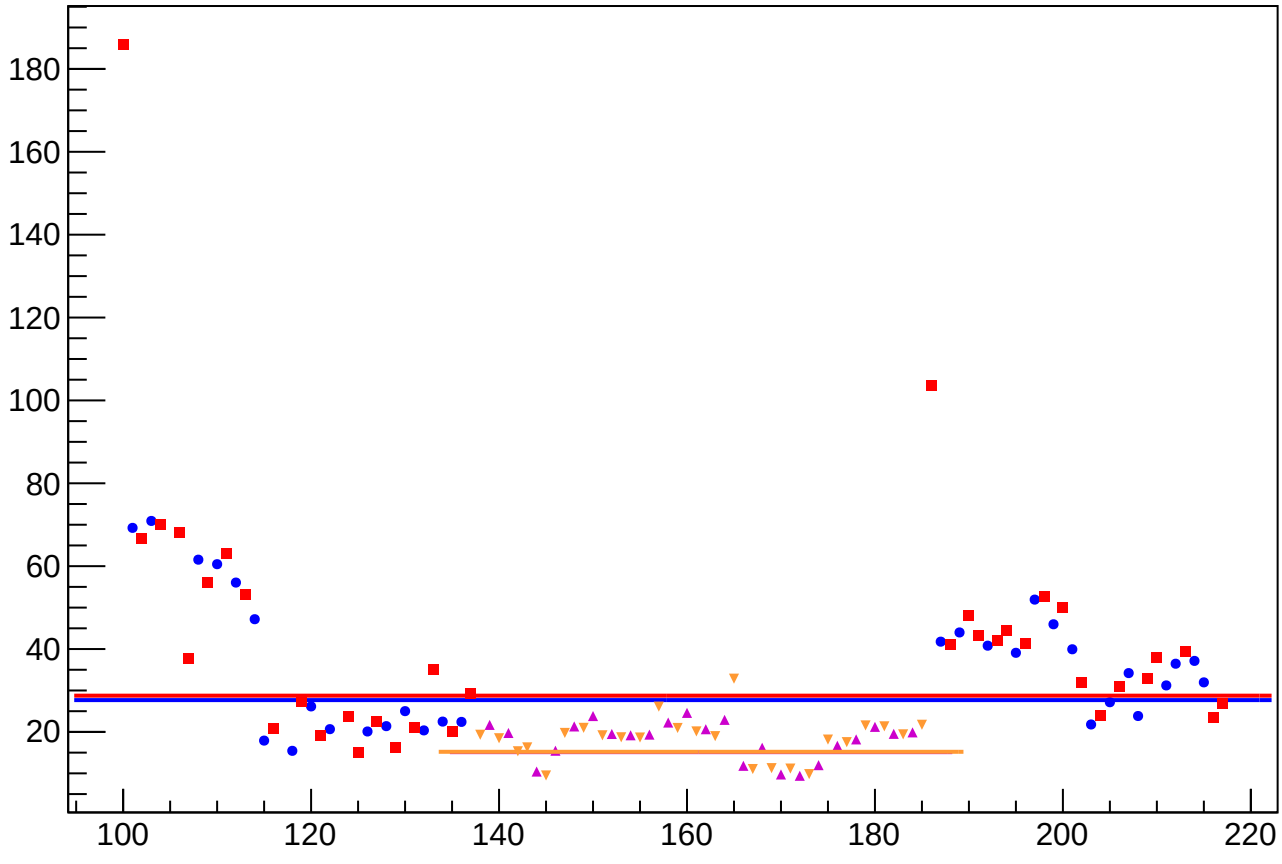
Right Out: -0.018+/-0.007 χ^2/NDF: 70.8/35

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.3/55

All: -0.003+/-0.002 χ^2/NDF: 157.2/114

- sign -0.006+/-0.003 χ^2/NDF: 101.5/58



Right In: 27.676+/-0.005 χ^2/NDF: 4582741.5/30

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

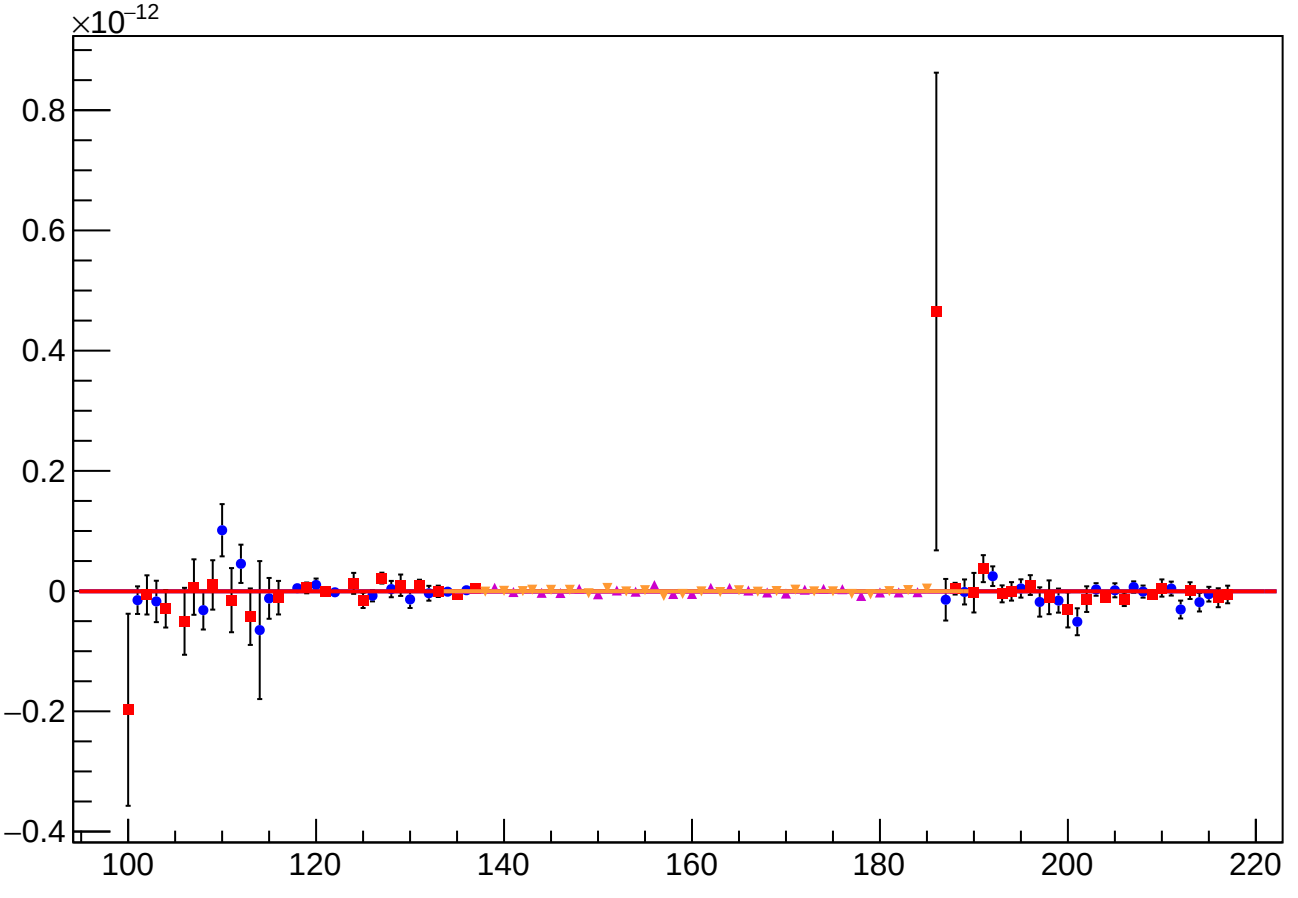
Right Out: 28.749+/-0.005 χ^2/NDF: 5642674.8/35

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.959+/-0.002 χ^2/NDF: 13036007.2/55

All: 18.093+/-0.002 χ^2/NDF: 27898155.1/114

- sign 18.235+/-0.002 χ^2/NDF: 14855213.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

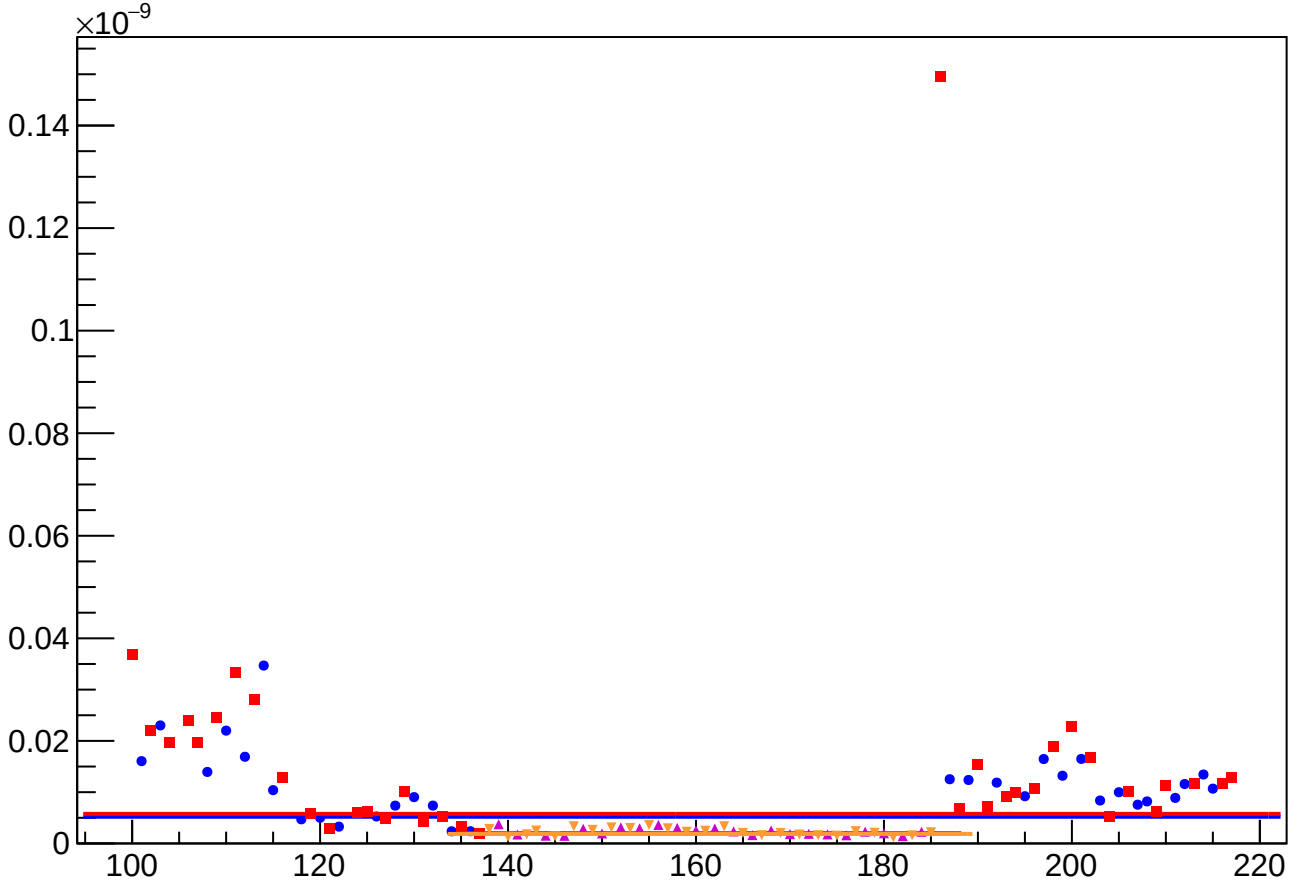
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/35

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.8/55

All: -0.000+/-0.000 χ^2/NDF: 117.0/114

- sign -0.000+/-0.000 χ^2/NDF: 66.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 9166306.9/30

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9670990.5/35

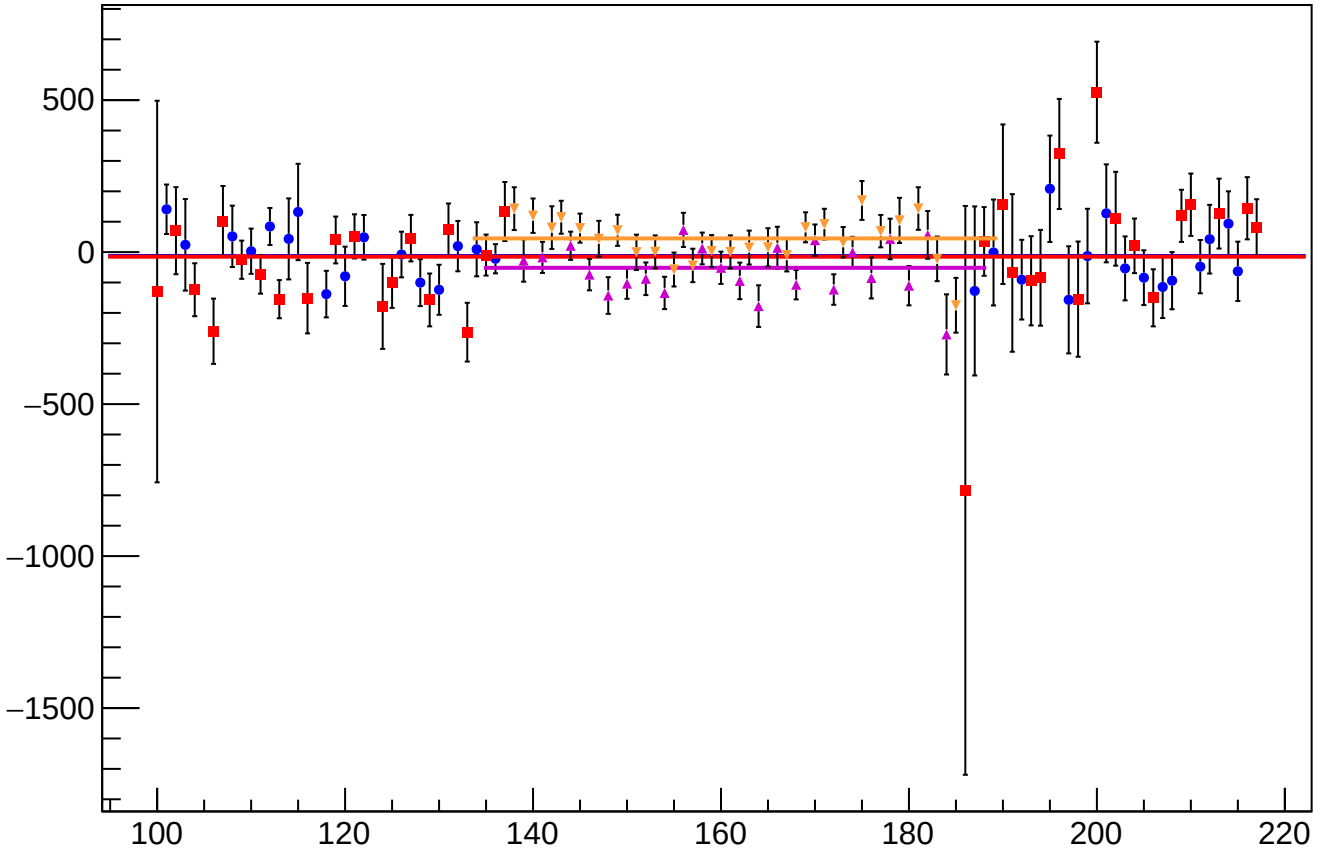
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18291444.4/55

All: 0.000+/-0.000 χ^2/NDF: 37058654.3/114

- sign 0.000+/-0.000 χ^2/NDF: 18650134.2/58

reg_asym_sam_1357_avg_mean vs Slug



Right In: -12.713+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -15.072+/-16.473 χ^2/NDF: 62.1/35

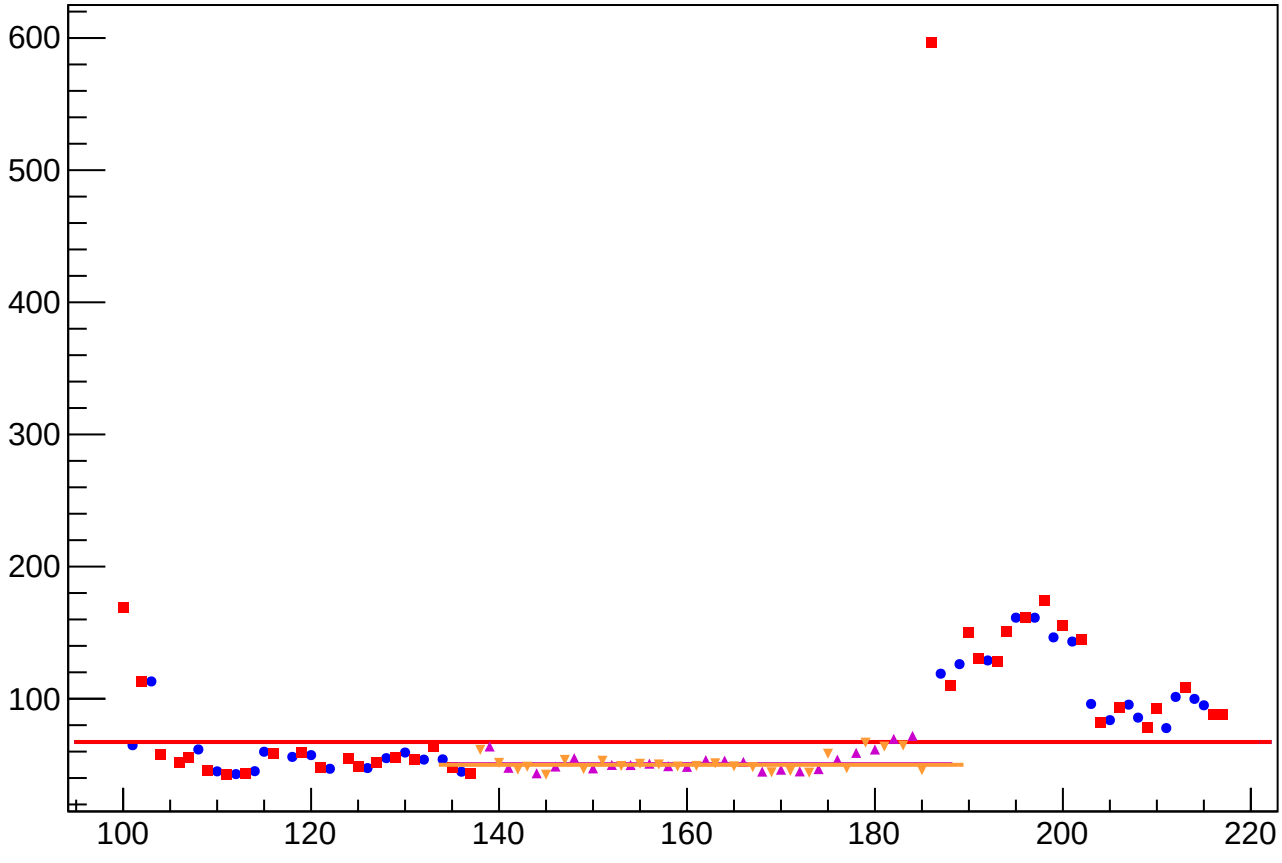
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 26.553+/-9.474 χ^2/NDF: 62.0/55

All: -5.602+/-6.764 χ^2/NDF: 186.7/114

- sign -39.045+/-9.662 χ^2/NDF: 101.2/58

reg_asym_sam_1357_avg_rms vs Slug



Right In: 67.233+/-0.012 χ^2/NDF: 5567209.8/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

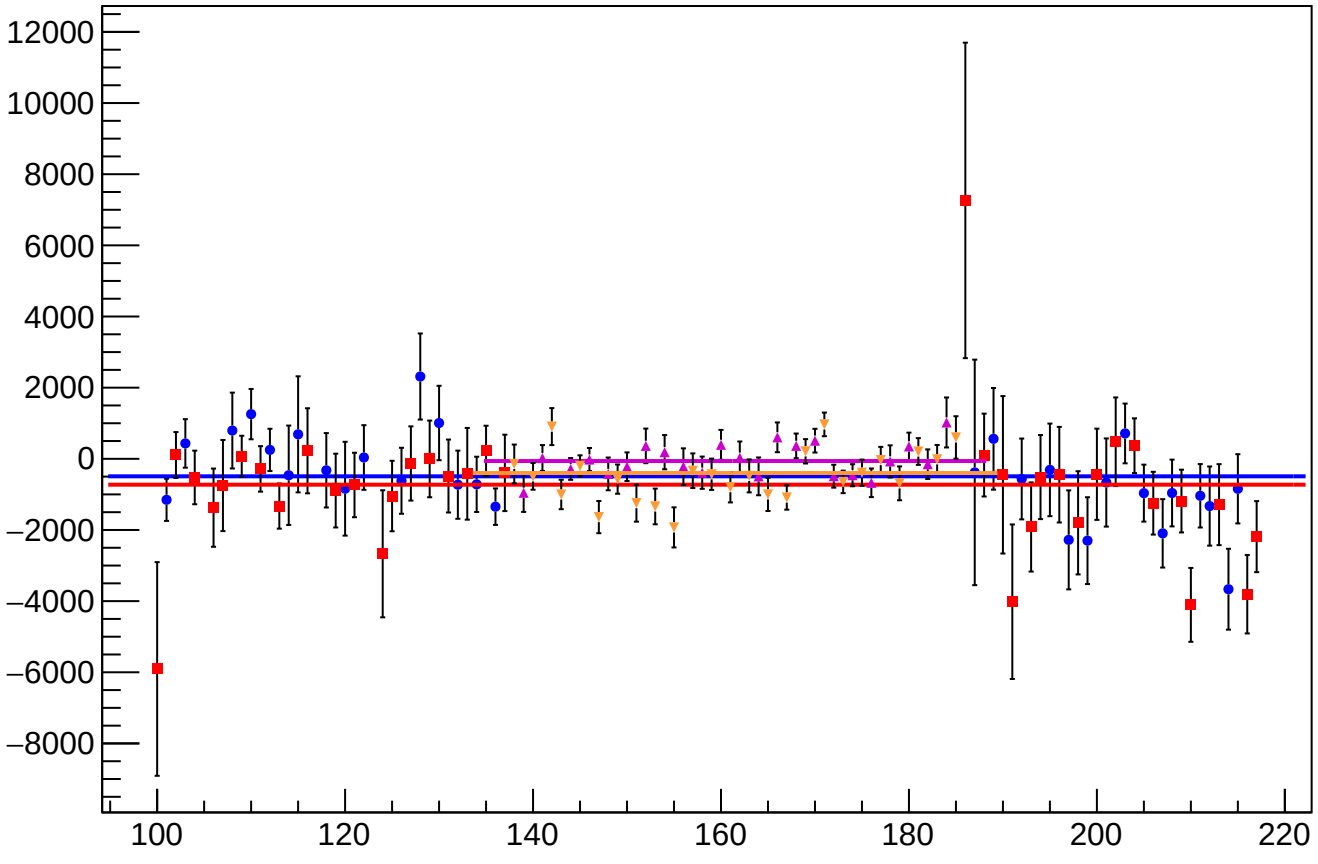
Right Out: 67.288+/-0.012 χ^2/NDF: 7127864.0/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.541+/-0.007 χ^2/NDF: 7514573.8/55

All: 55.905+/-0.005 χ^2/NDF: 16512507.1/114

- sign 56.283+/-0.007 χ^2/NDF: 8991930.0/58



Right In: -491.873+/-165.531 χ^2/NDF: 42.3/30

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -727.161+/-165.134 χ^2/NDF: 45.1/35

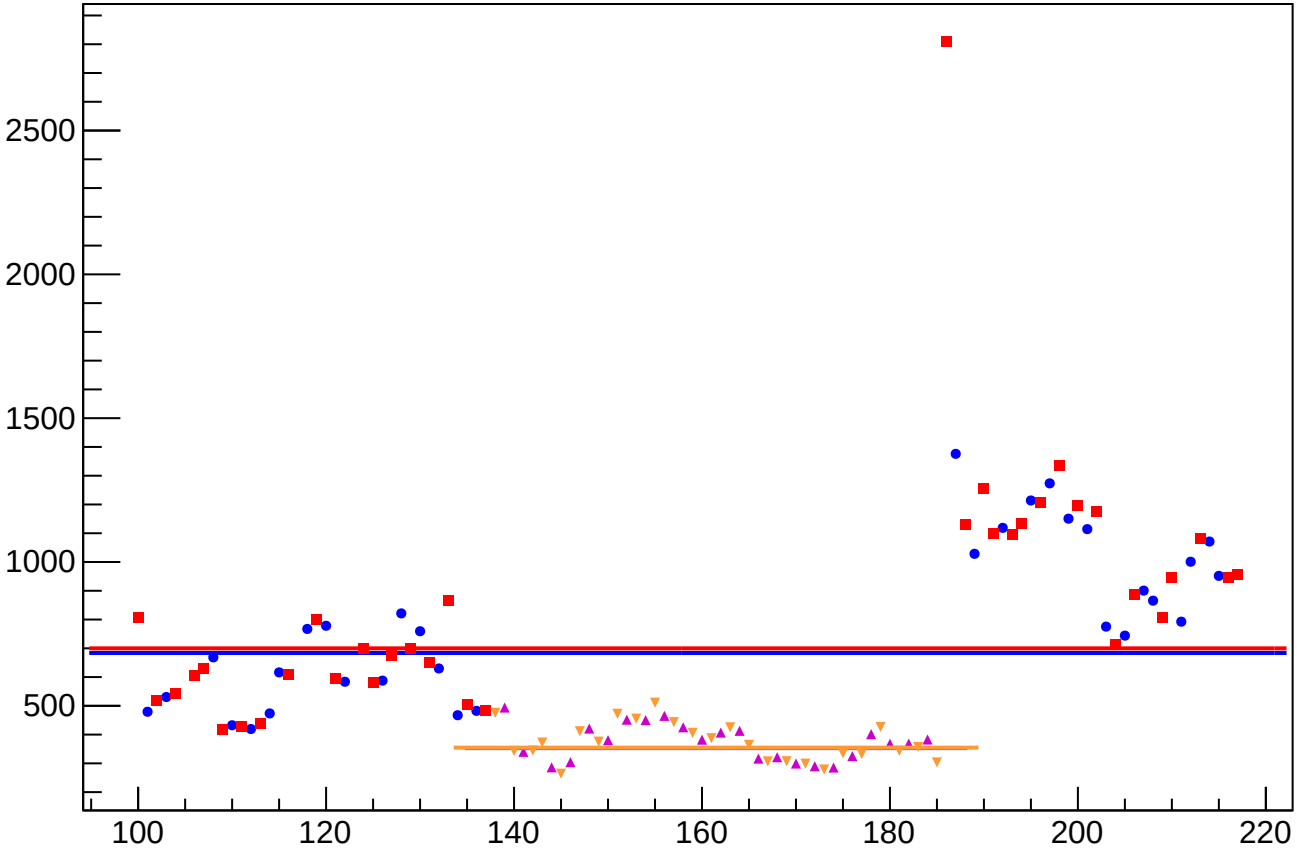
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -417.614+/-73.524 χ^2/NDF: 107.9/55

All: -309.925+/-52.433 χ^2/NDF: 194.2/114

- sign -198.484+/-74.794 χ^2/NDF: 81.9/58

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 683.702+/-0.117 χ^2/NDF: 4129885.0/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 699.818+/-0.117 χ^2/NDF: 5161365.3/35

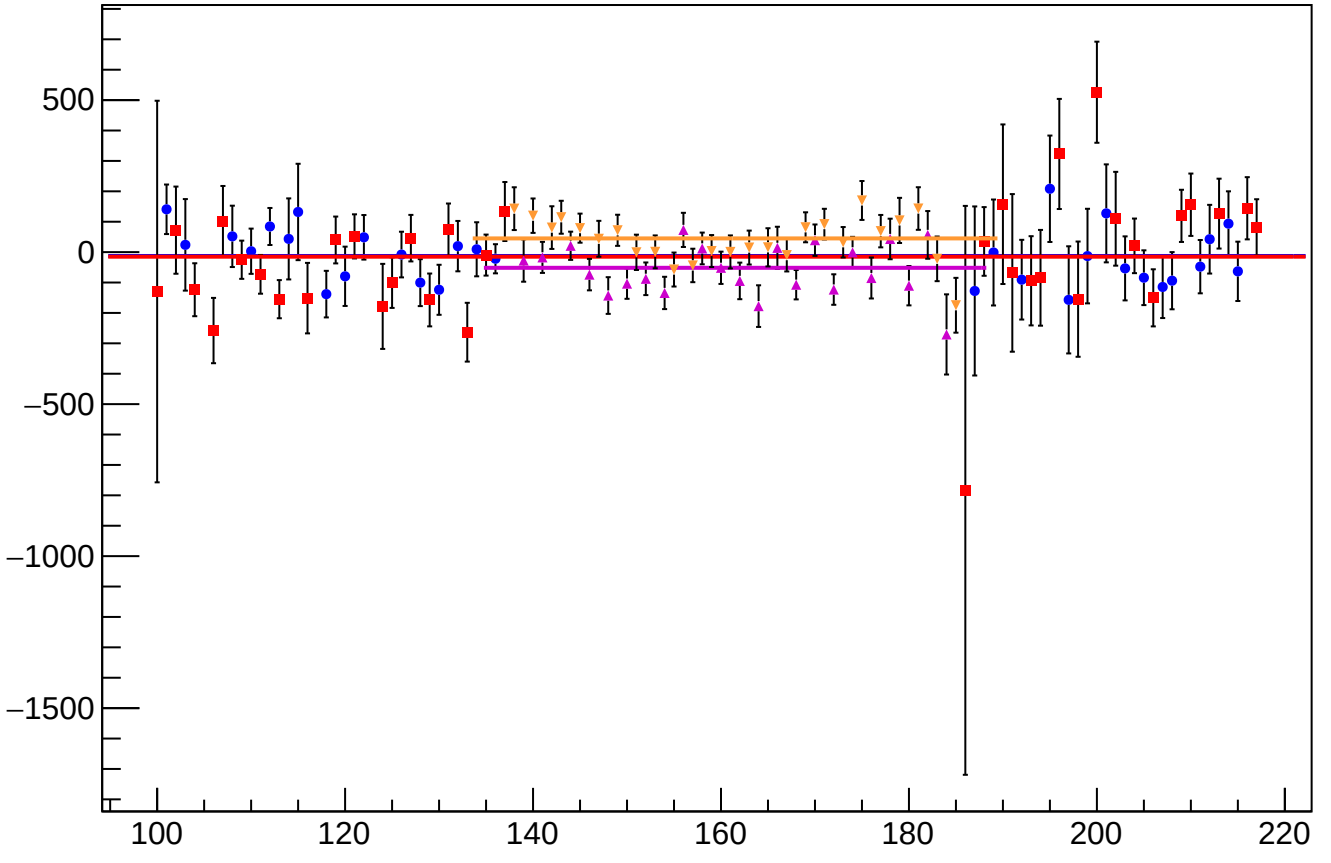
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 419.584+/-0.052 χ^2/NDF: 11618570.5/55

All: 421.870+/-0.037 χ^2/NDF: 24795657.5/11

- sign 424.235+/-0.053 χ^2/NDF: 13173154.7/58

cor_asym_sam_1357_avg_mean vs Slug



Right In: -12.717+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -14.990+/-16.473 χ^2/NDF: 62.0/35

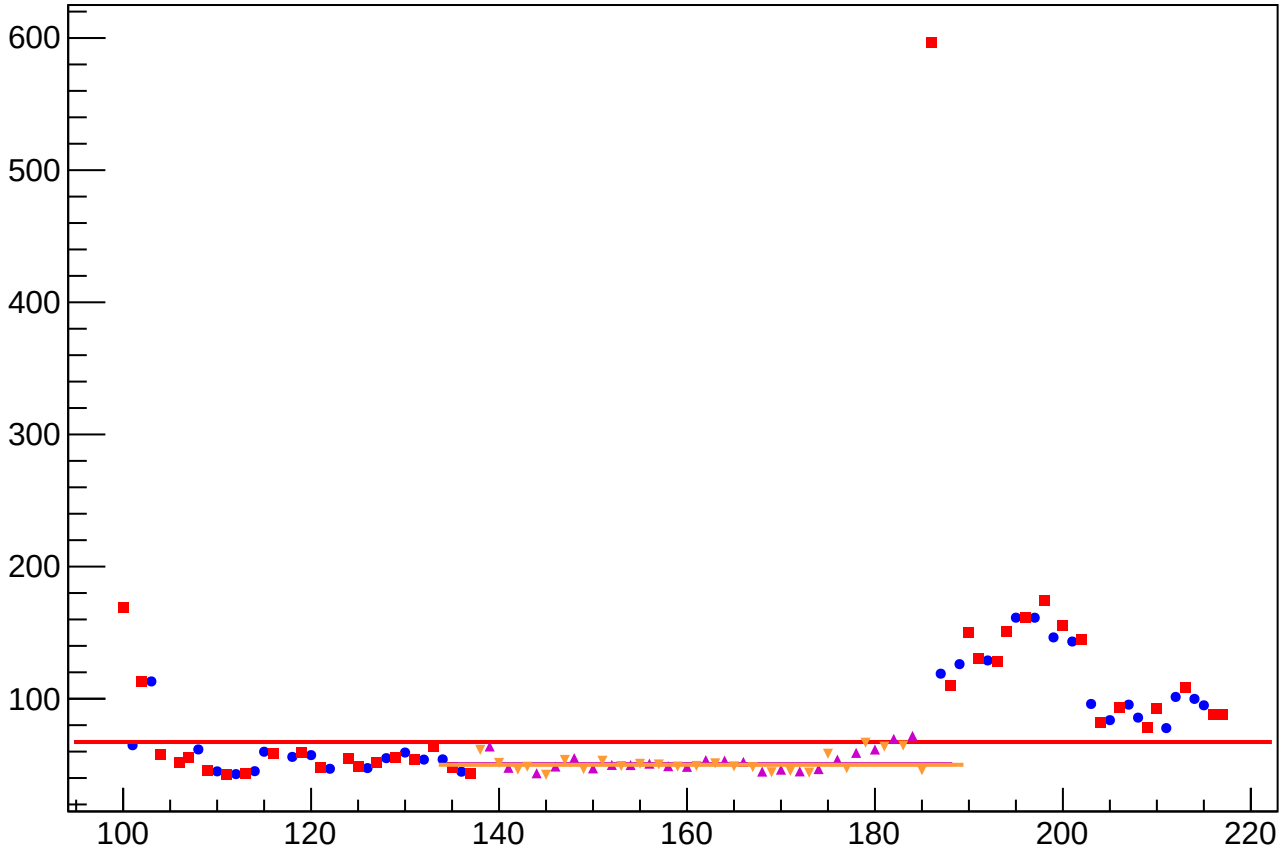
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 26.554+/-9.474 χ^2/NDF: 62.0/55

All: -5.587+/-6.764 χ^2/NDF: 186.6/114

- sign -39.017+/-9.662 χ^2/NDF: 101.1/58

cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.233+/-0.012 χ^2/NDF: 5567212.1/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

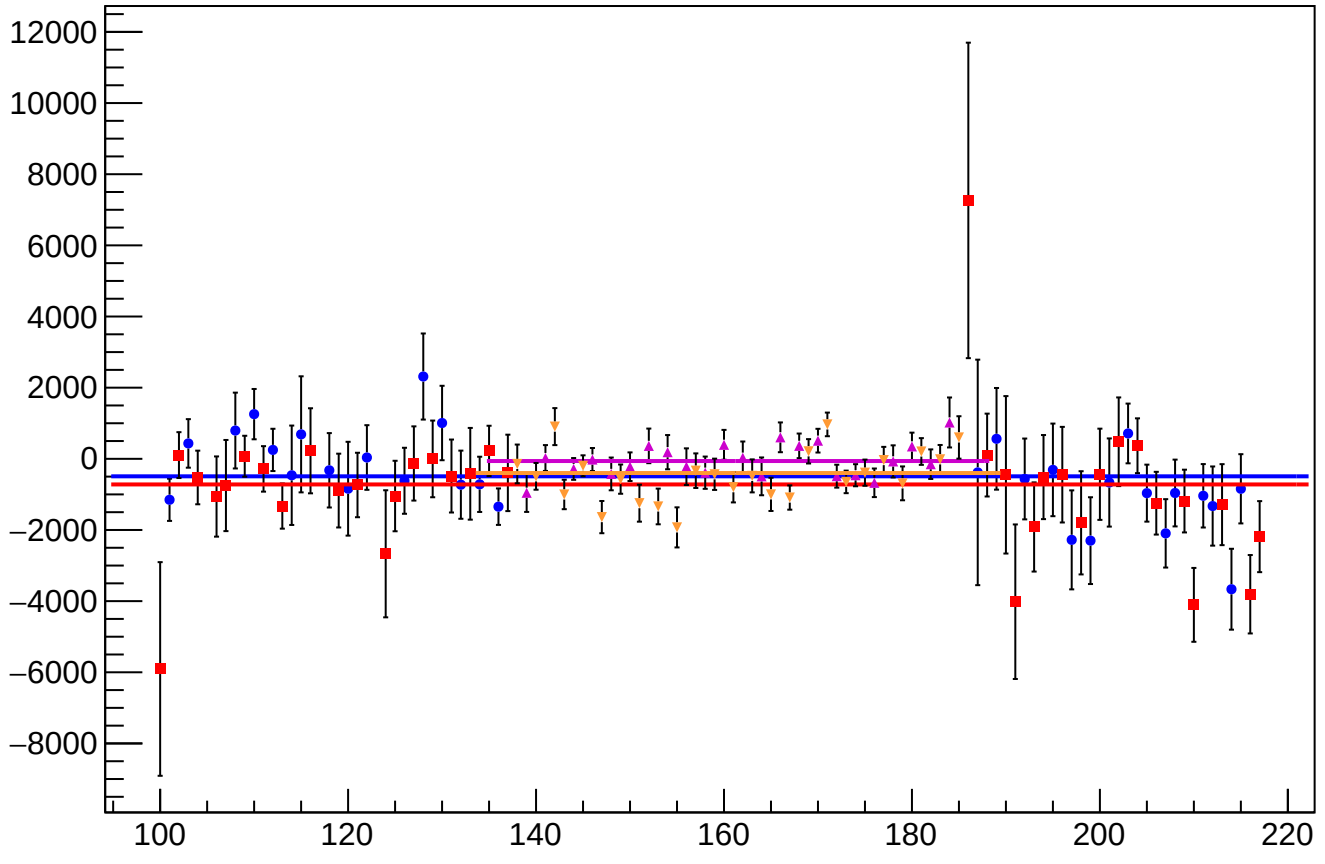
Right Out: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.541+/-0.007 χ^2/NDF: 7514576.1/55

All: 55.904+/-0.005 χ^2/NDF: 16513190.7/114

- sign 56.280+/-0.007 χ^2/NDF: 8992650.9/58



Right In: -491.862+/-165.532 χ^2/NDF: 42.3/30

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -720.054+/-165.237 χ^2/NDF: 44.8/35

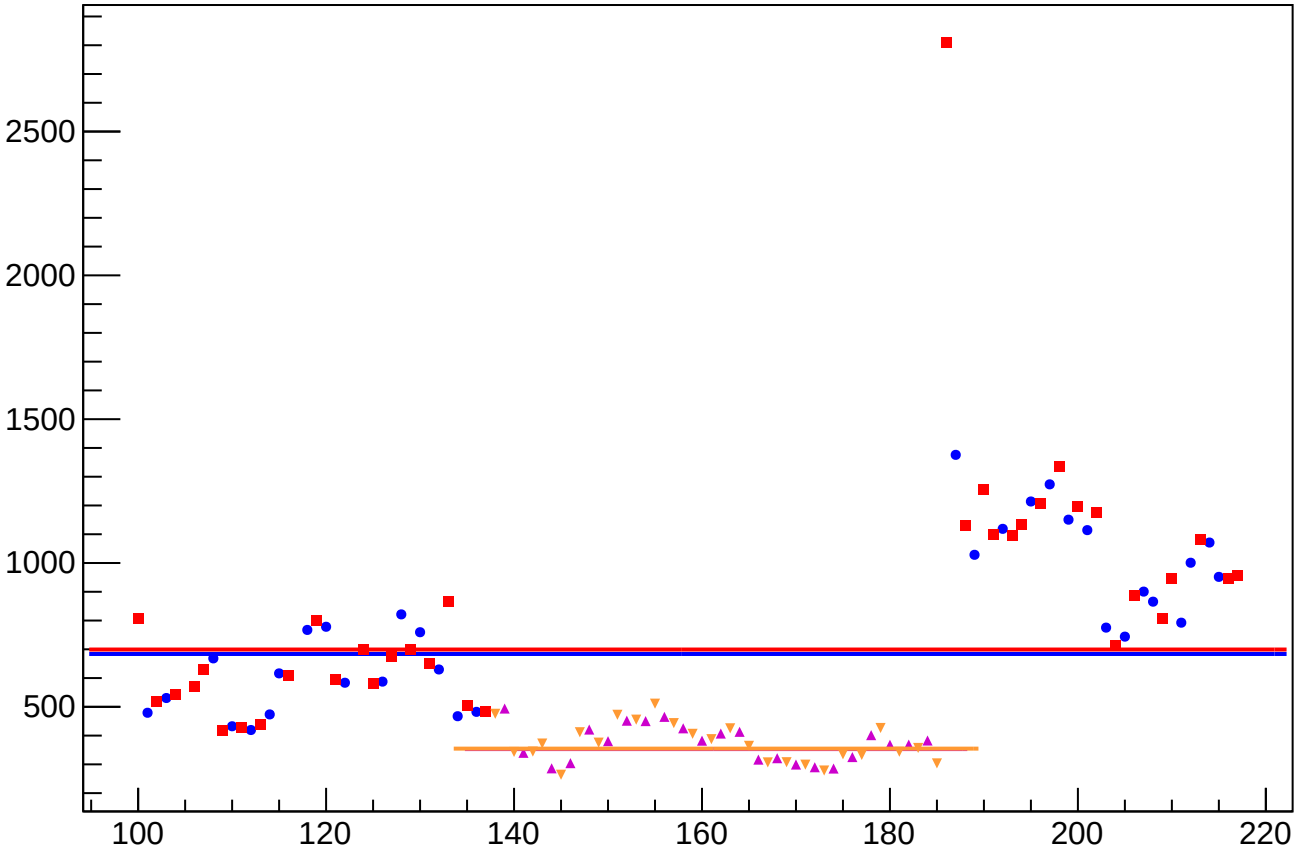
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -417.608+/-73.524 χ^2/NDF: 107.9/55

All: -309.154+/-52.436 χ^2/NDF: 193.7/114

- sign -196.892+/-74.803 χ^2/NDF: 81.4/58

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 683.708+/-0.117 χ^2/NDF: 4129790.2/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

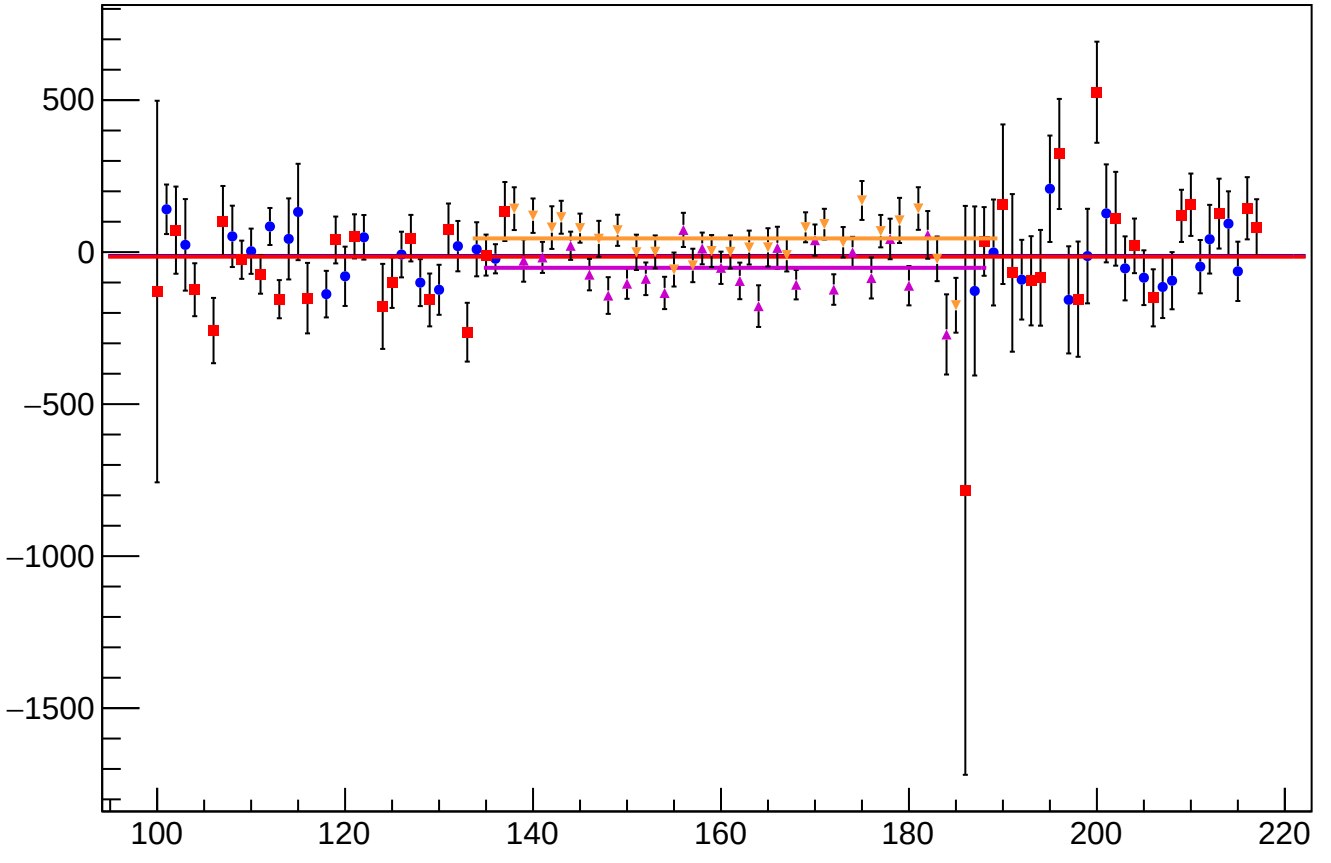
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 419.585+/-0.052 χ^2/NDF: 11618624.7/55

All: 421.775+/-0.037 χ^2/NDF: 24774702.3/11

- sign 424.041+/-0.053 χ^2/NDF: 13152466.8/58

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -12.717+/-16.728 χ^2/NDF: 22.6/30

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -14.990+/-16.473 χ^2/NDF: 62.0/35

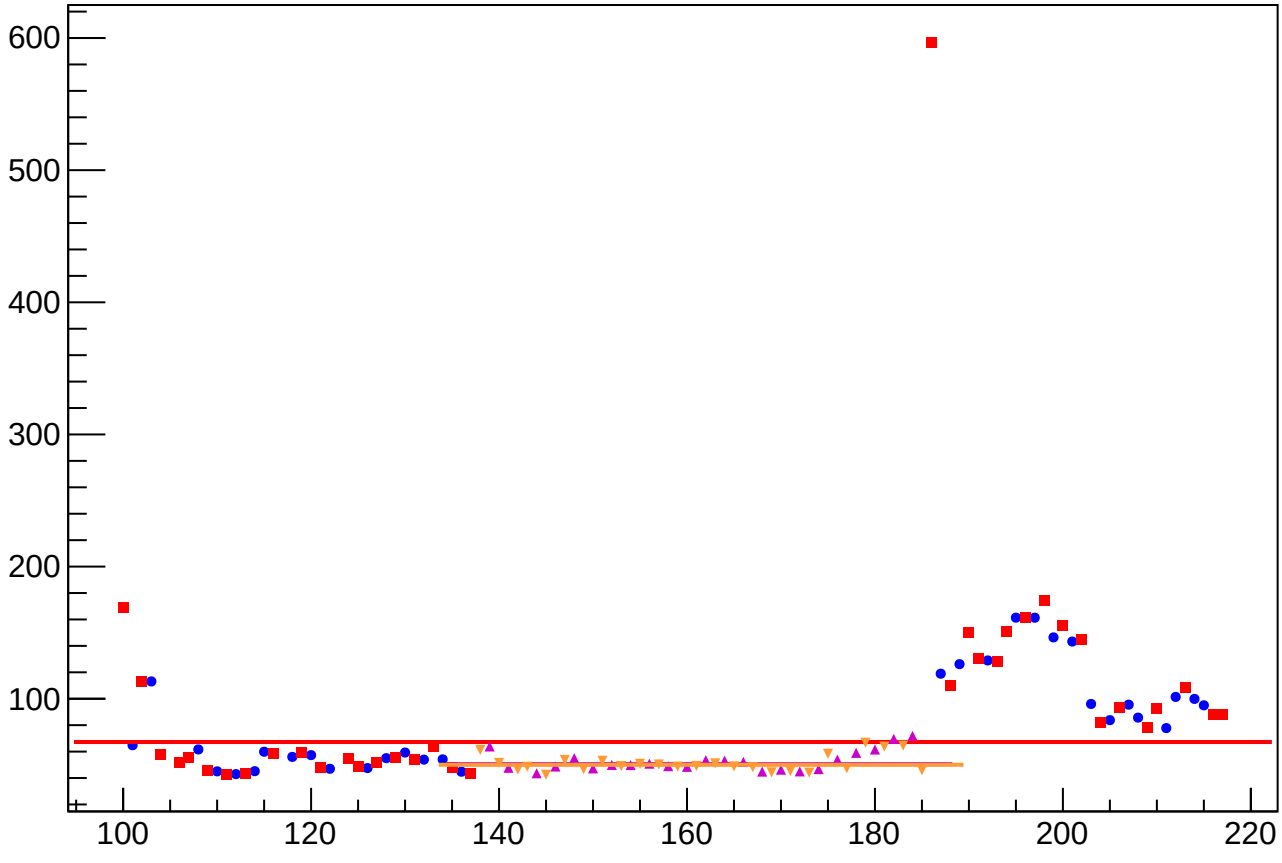
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 26.554+/-9.474 χ^2/NDF: 62.0/55

All: -5.587+/-6.764 χ^2/NDF: 186.6/114

- sign -39.017+/-9.662 χ^2/NDF: 101.1/58

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 67.233+/-0.012 χ^2/NDF: 5567212.1/30

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

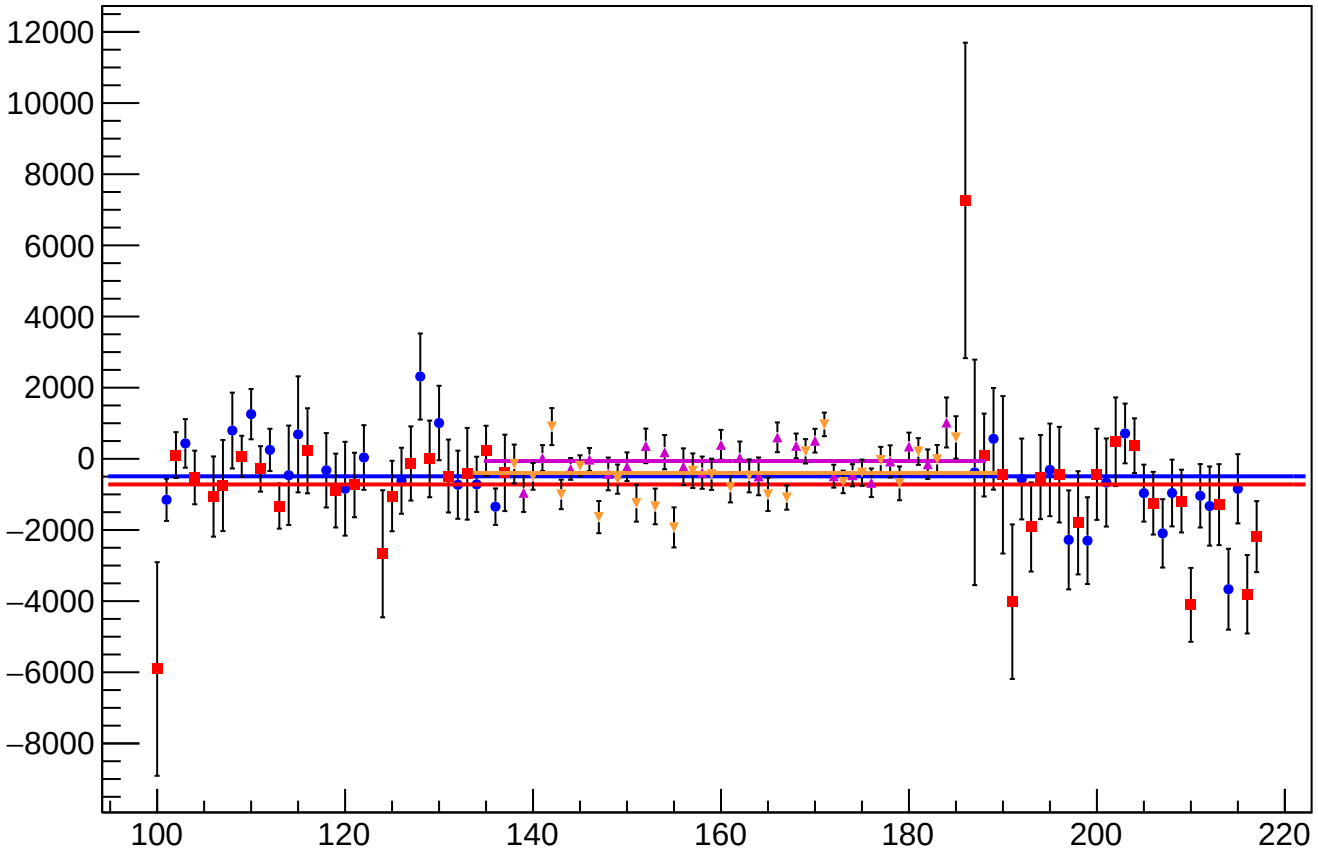
Right Out: 67.281+/-0.012 χ^2/NDF: 7129702.1/35

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.541+/-0.007 χ^2/NDF: 7514576.1/55

All: 55.904+/-0.005 χ^2/NDF: 16513190.7/114

- sign 56.280+/-0.007 χ^2/NDF: 8992650.9/58



Right In: -491.862+/-165.532 χ^2/NDF: 42.3/30

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

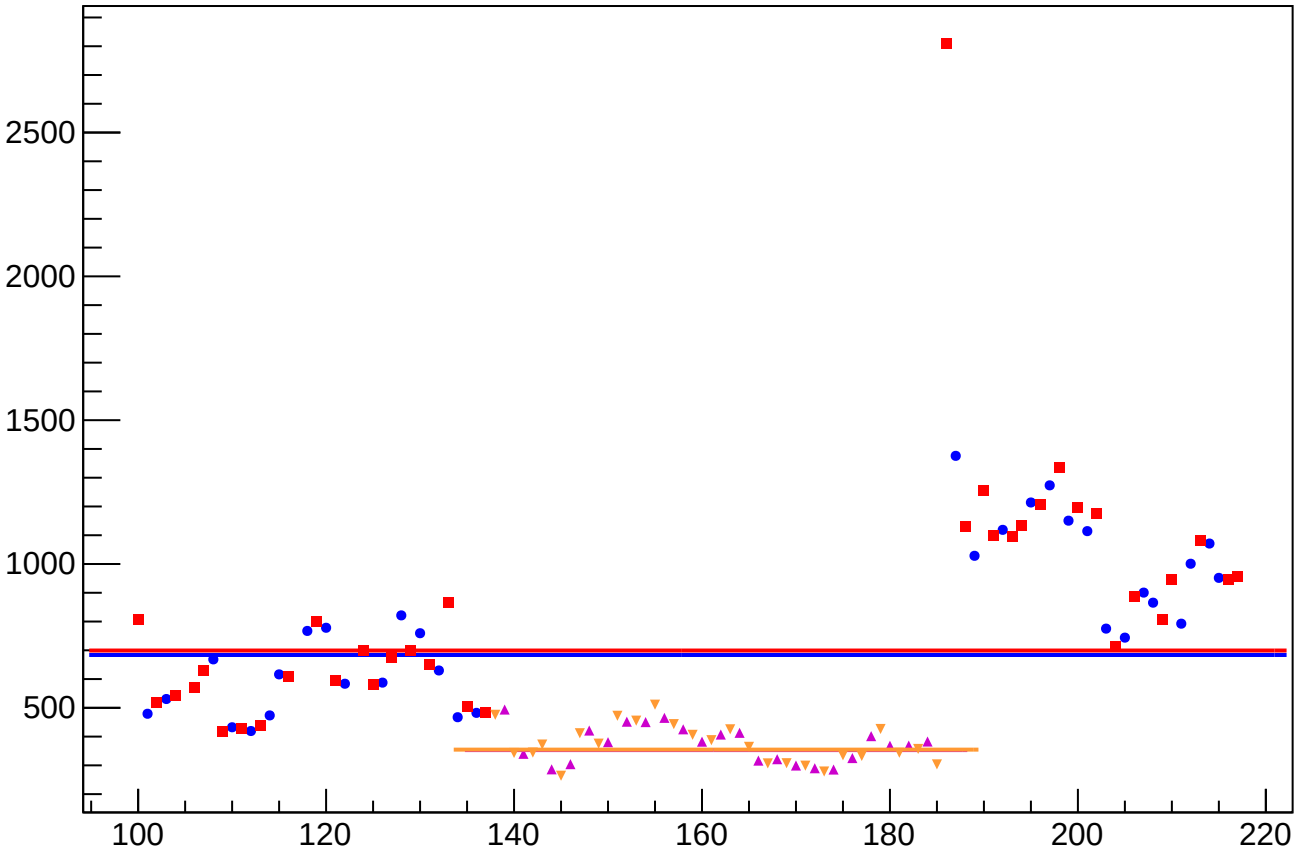
Right Out: -720.054+/-165.237 χ^2/NDF: 44.8/35

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -417.608+/-73.524 χ^2/NDF: 107.9/55

All: -309.154+/-52.436 χ^2/NDF: 193.7/114

- sign -196.892+/-74.803 χ^2/NDF: 81.4/58



Right In: 683.708+/-0.117 χ^2/NDF: 4129790.2/30

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 699.216+/-0.117 χ^2/NDF: 5171908.2/35

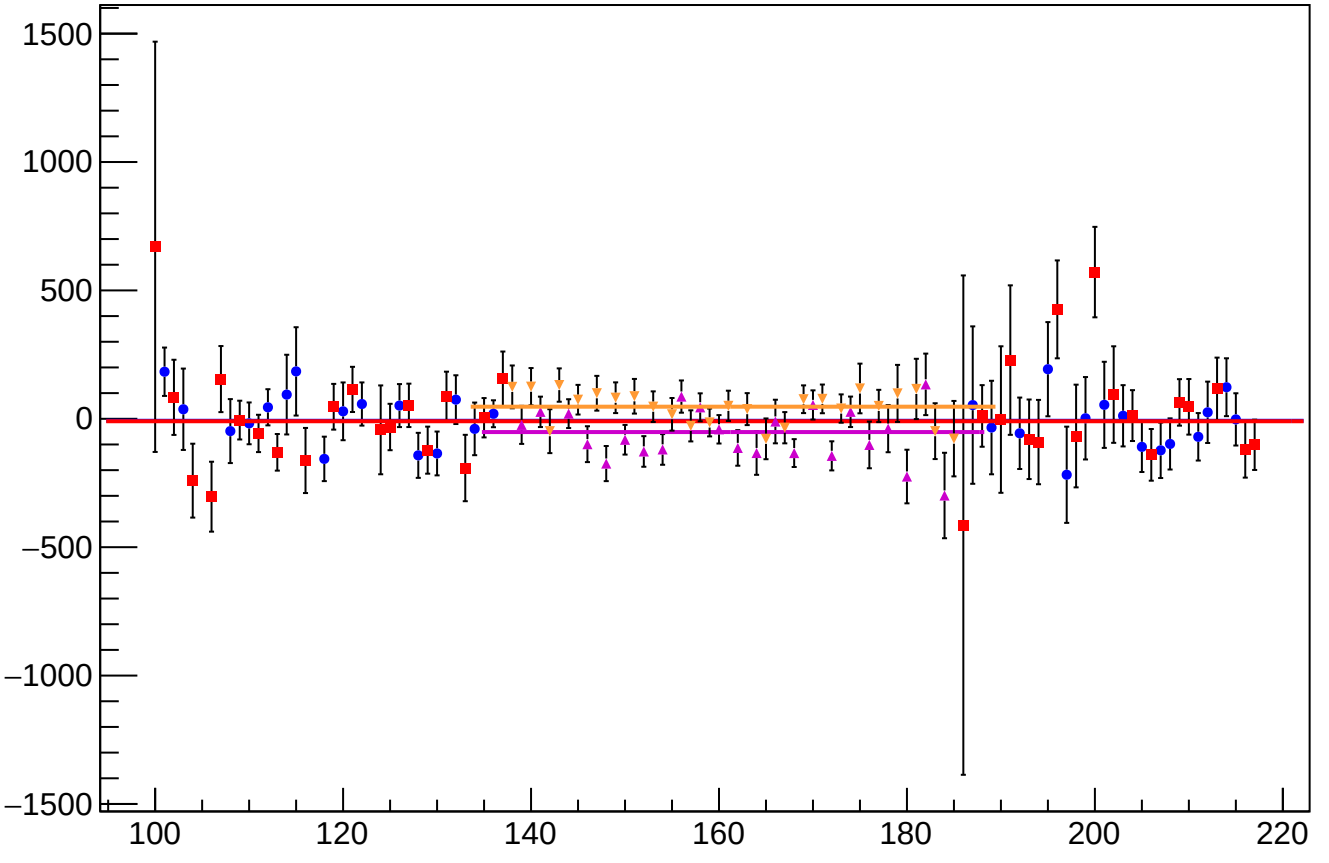
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 419.585+/-0.052 χ^2/NDF: 11618624.7/55

All: 421.775+/-0.037 χ^2/NDF: 24774702.3/11

- sign 424.041+/-0.053 χ^2/NDF: 13152466.8/58

dit_asym_sam_1357_avg_mean vs Slug



Right In: -7.735+/-18.482 χ^2/NDF: 24.1/30

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -9.514+/-18.633 χ^2/NDF: 48.2/35

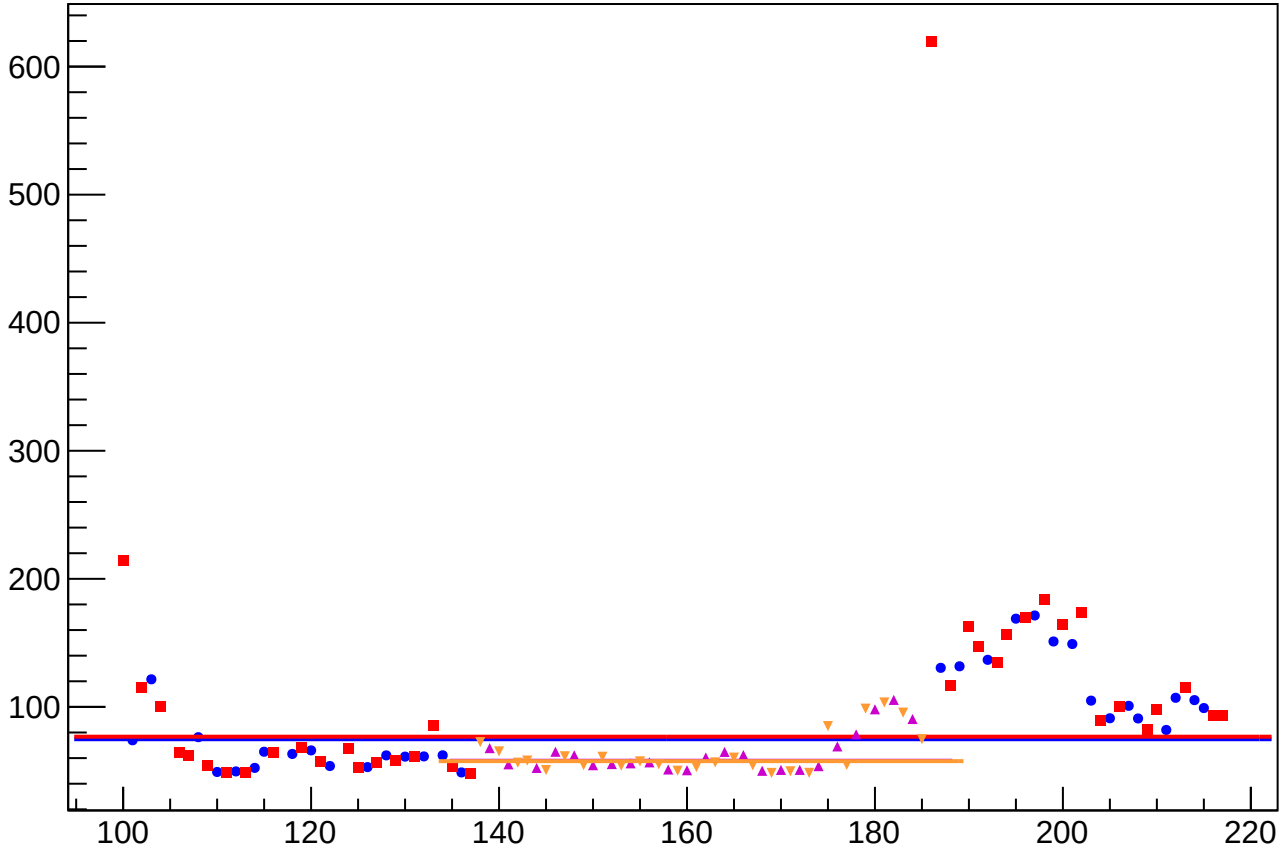
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 28.035+/-10.907 χ^2/NDF: 46.9/55

All: -3.517+/-7.800 χ^2/NDF: 153.6/114

- sign -36.540+/-11.159 χ^2/NDF: 89.6/58

dit_asym_sam_1357_avg_rms vs Slug



Right In: 74.755+/-0.013 χ^2/NDF: 4969507.4/30

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 76.720+/-0.013 χ^2/NDF: 6434903.4/35

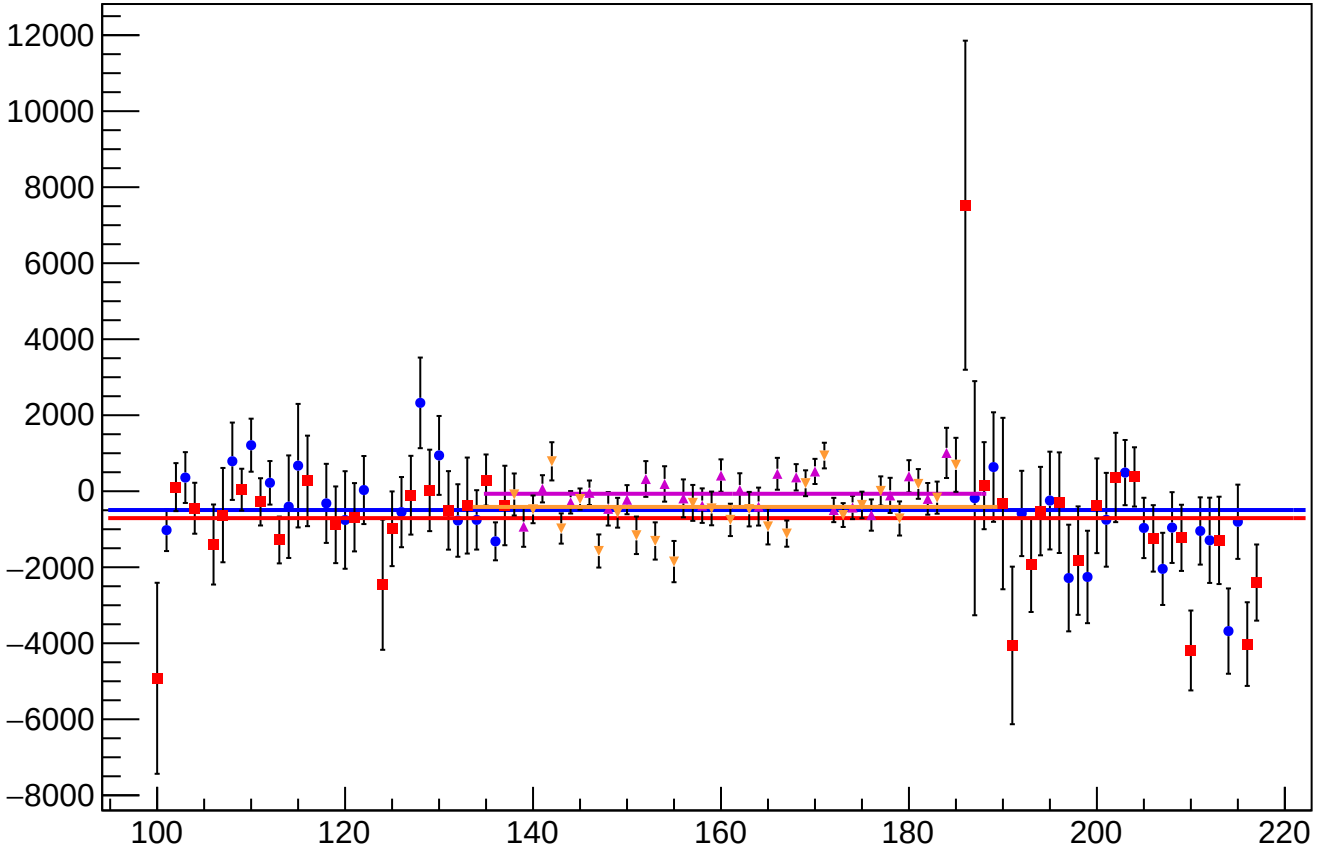
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 63.595+/-0.008 χ^2/NDF: 7453887.4/55

All: 64.123+/-0.006 χ^2/NDF: 16325929.4/114

- sign 64.675+/-0.008 χ^2/NDF: 8862459.9/58

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -494.187+/-162.653 χ^2/NDF: 41.1/30

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -707.533+/-160.984 χ^2/NDF: 48.6/35

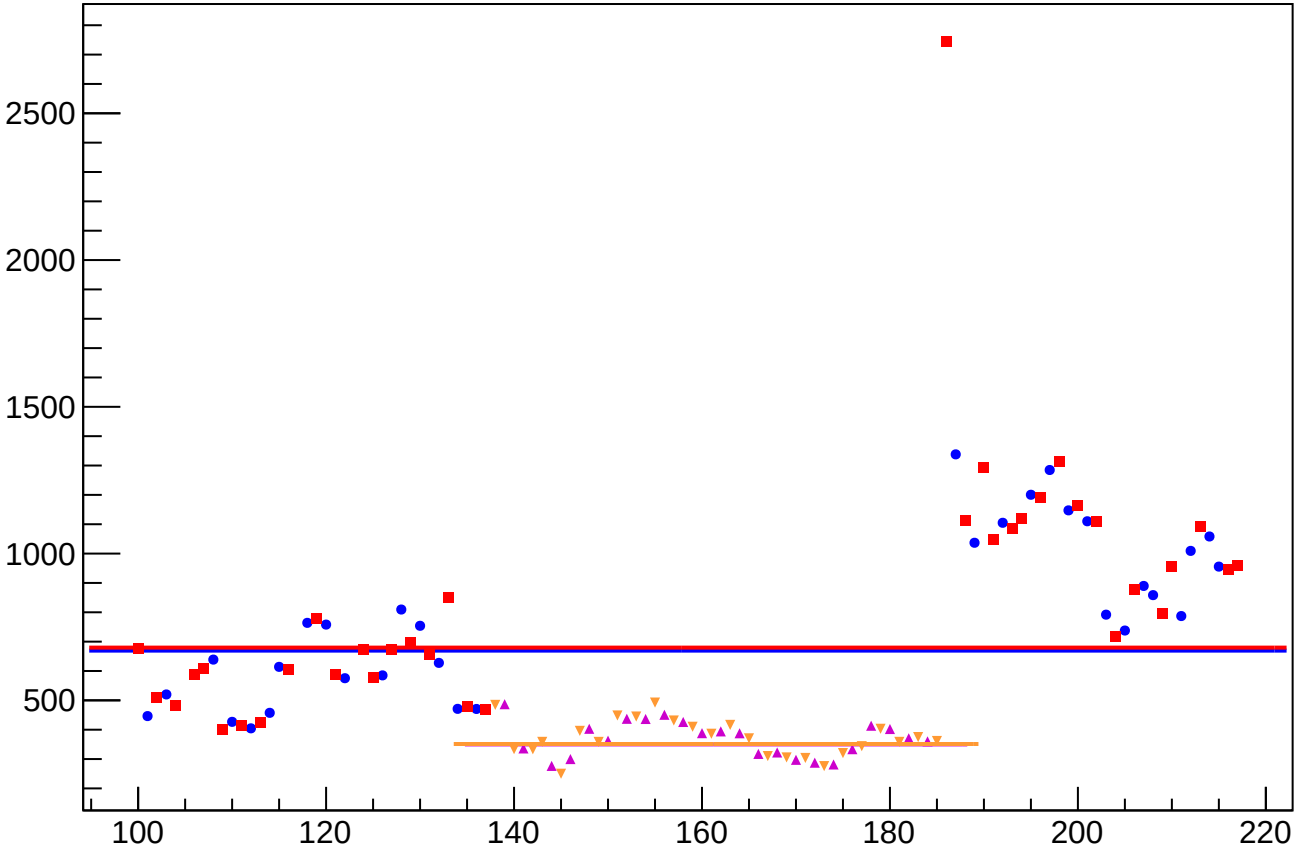
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -429.219+/-72.603 χ^2/NDF: 102.6/55

All: -317.234+/-51.766 χ^2/NDF: 191.5/114

- sign -201.435+/-73.829 χ^2/NDF: 84.0/58

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 669.424+/-0.115 χ^2/NDF: 4395899.9/30

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 679.658+/-0.114 χ^2/NDF: 5460365.2/35

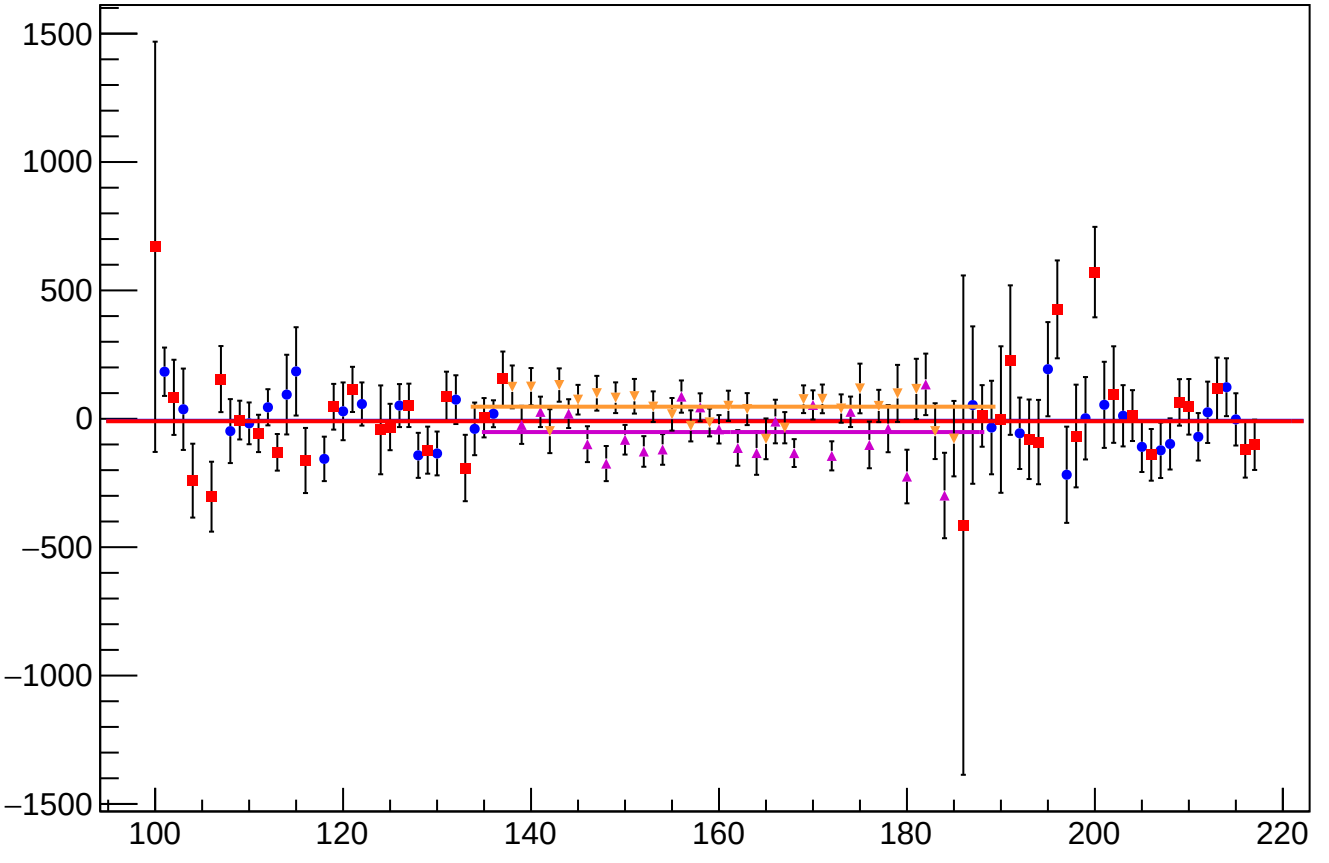
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 414.656+/-0.051 χ^2/NDF: 11641855.4/55

All: 416.884+/-0.037 χ^2/NDF: 24726714.9/11

- sign 419.188+/-0.052 χ^2/NDF: 13081027.8/58

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -7.735+/-18.482 χ^2/NDF: 24.1/30

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -9.513+/-18.633 χ^2/NDF: 48.2/35

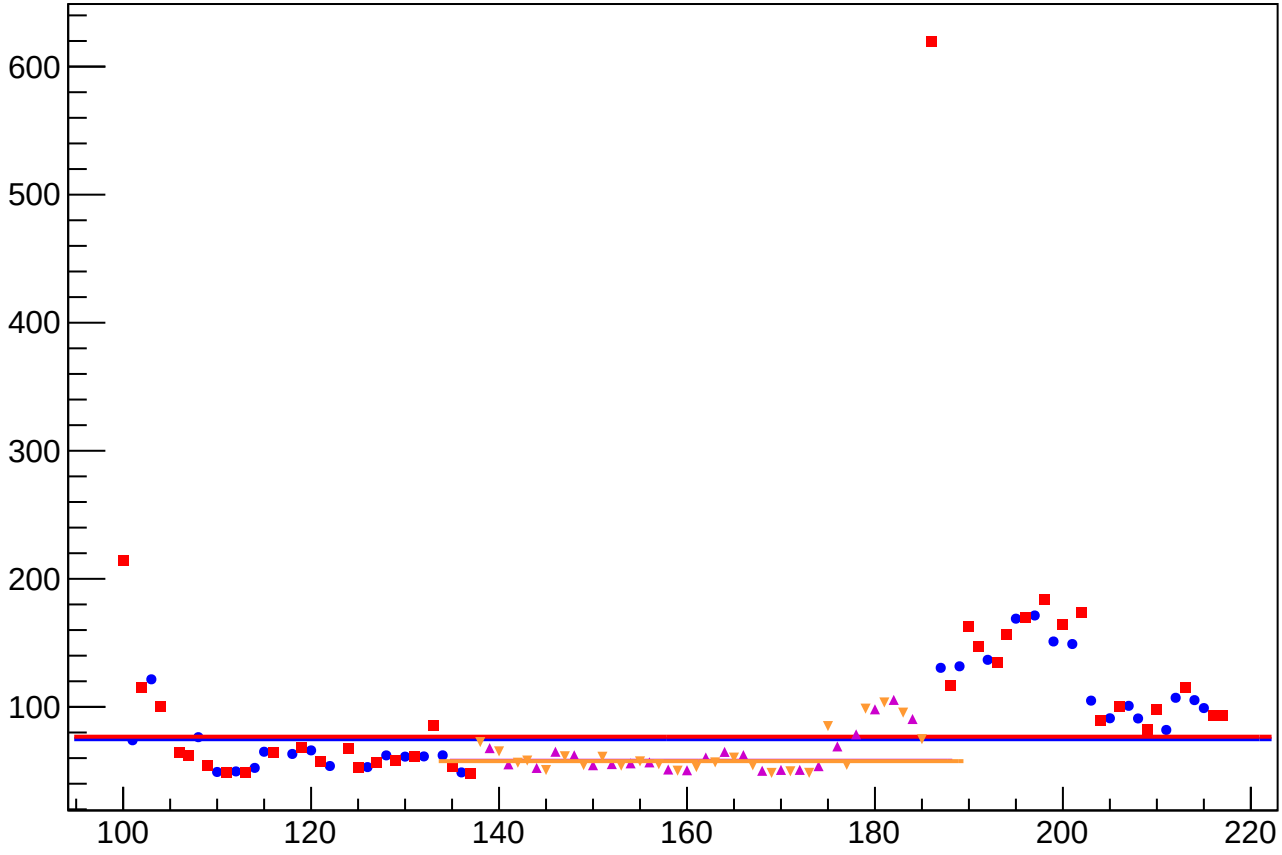
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 28.035+/-10.908 χ^2/NDF: 46.9/55

All: -3.517+/-7.800 χ^2/NDF: 153.6/114

- sign -36.539+/-11.159 χ^2/NDF: 89.6/58

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 74.755+/-0.013 χ^2/NDF: 4969482.3/30

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

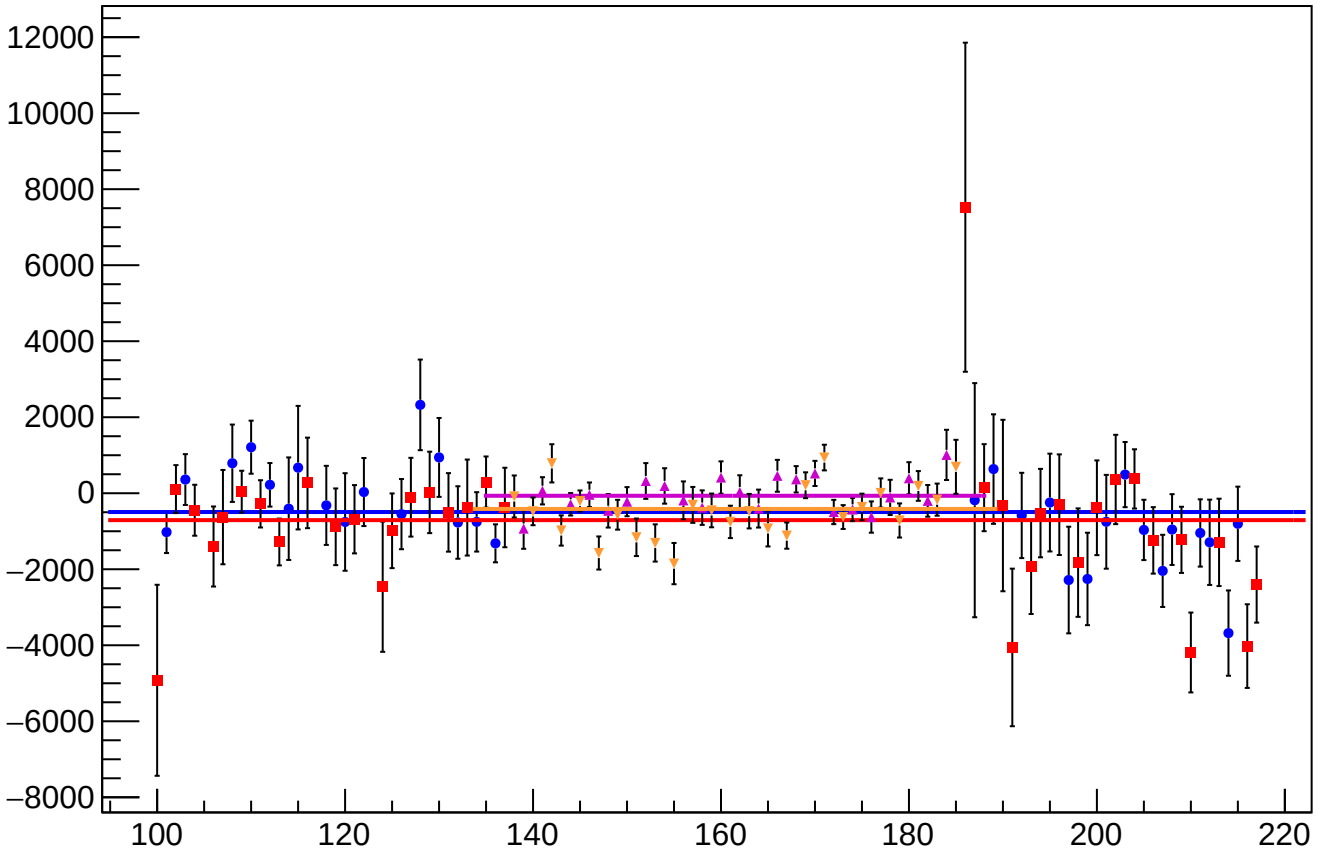
Right Out: 76.720+/-0.013 χ^2/NDF: 6434881.5/35

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 63.595+/-0.008 χ^2/NDF: 7453854.8/55

All: 64.123+/-0.006 χ^2/NDF: 16325856.0/114

- sign 64.675+/-0.008 χ^2/NDF: 8862418.7/58



Right In: -494.186+/-162.652 χ^2/NDF: 41.1/30

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

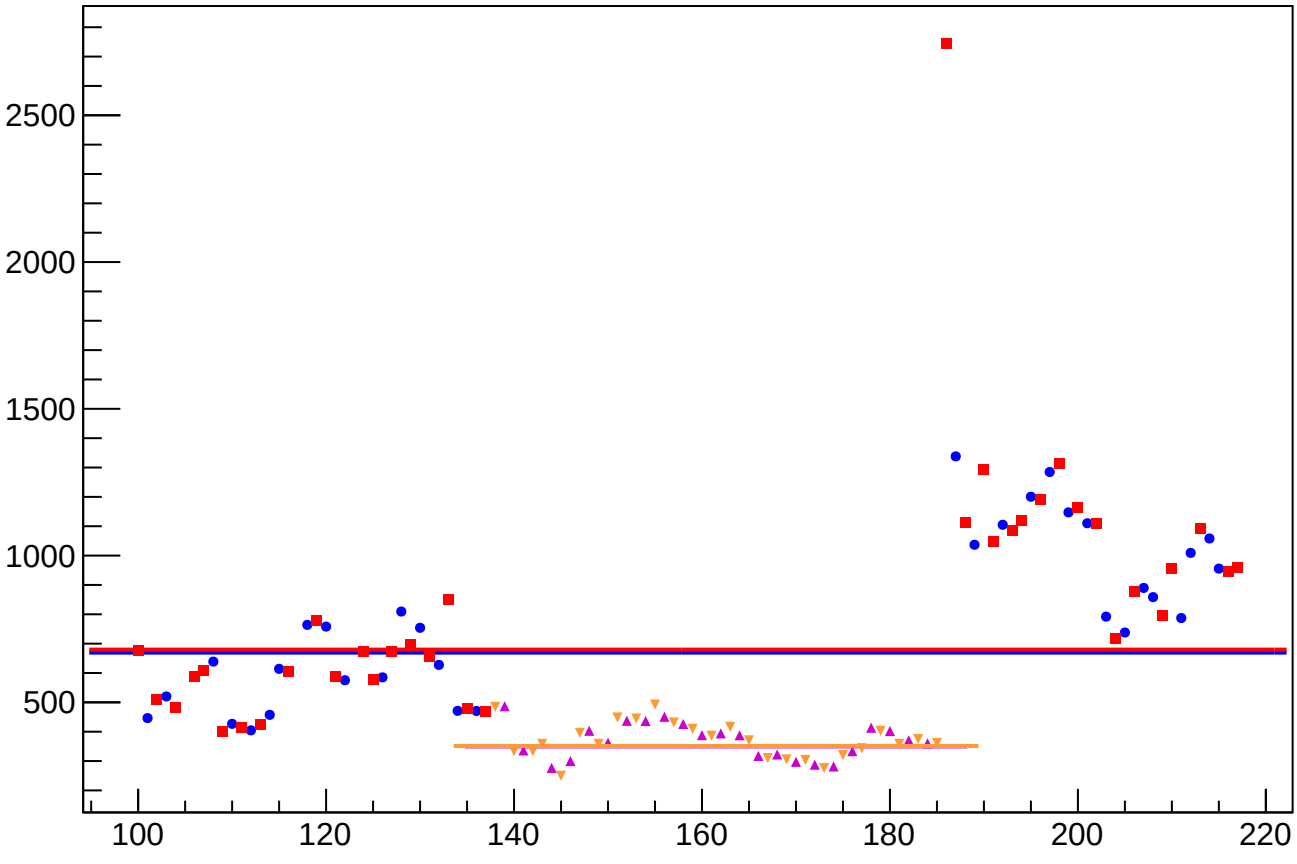
Right Out: -707.532+/-160.984 χ^2/NDF: 48.6/35

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -429.218+/-72.603 χ^2/NDF: 102.6/55

All: -317.234+/-51.766 χ^2/NDF: 191.5/114

- sign -201.434+/-73.829 χ^2/NDF: 84.0/58



Right In: 669.423+/-0.115 χ^2/NDF: 4395912.1/30

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 679.657+/-0.114 χ^2/NDF: 5460373.6/35

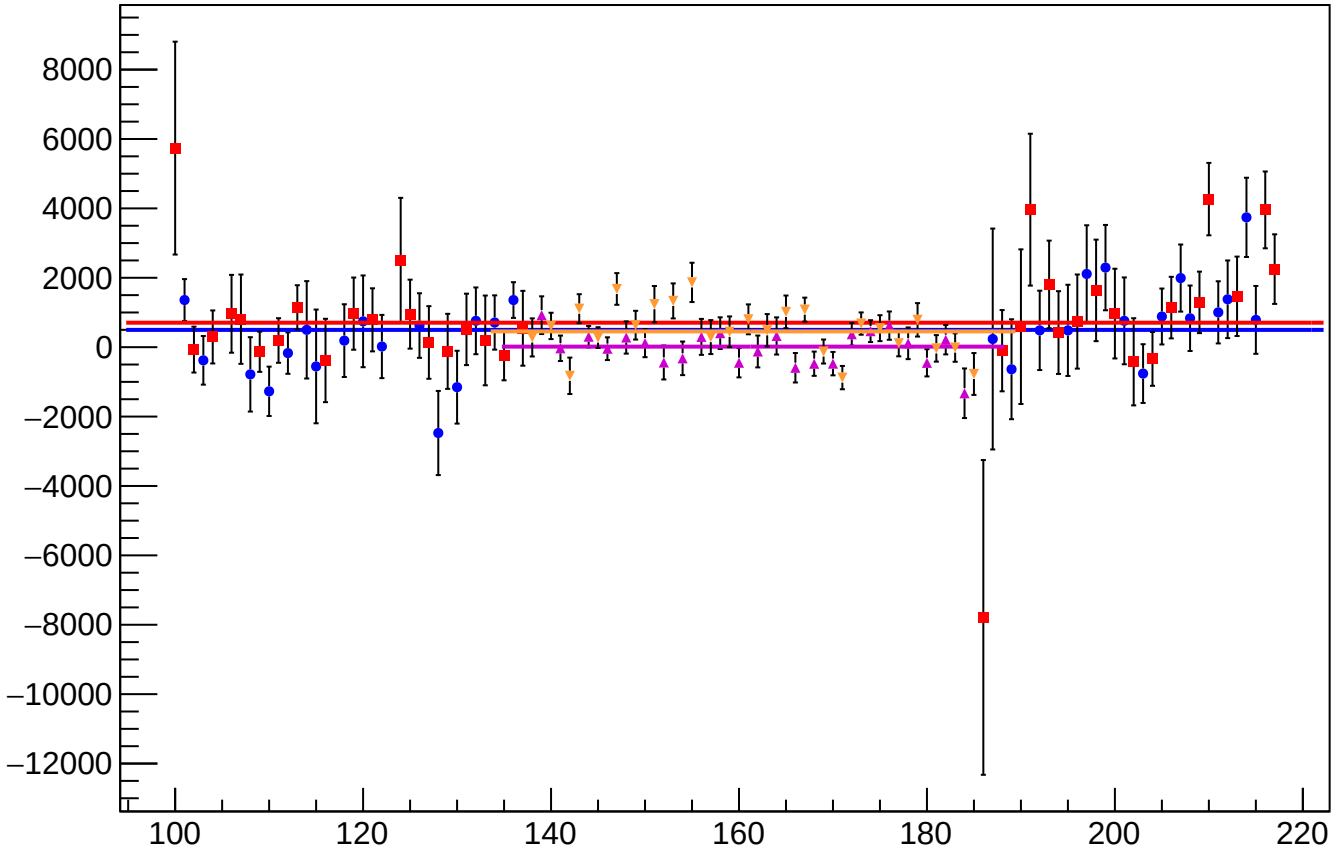
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 414.655+/-0.051 χ^2/NDF: 11641848.3/55

All: 416.884+/-0.037 χ^2/NDF: 24726687.7/11

- sign 419.188+/-0.052 χ^2/NDF: 13081007.4/58

asym_sam_1357_avg_mean vs Slug



Right In: 498.286+/-166.793 χ^2/NDF: 42.9/30

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 705.345+/-166.390 χ^2/NDF: 46.3/35

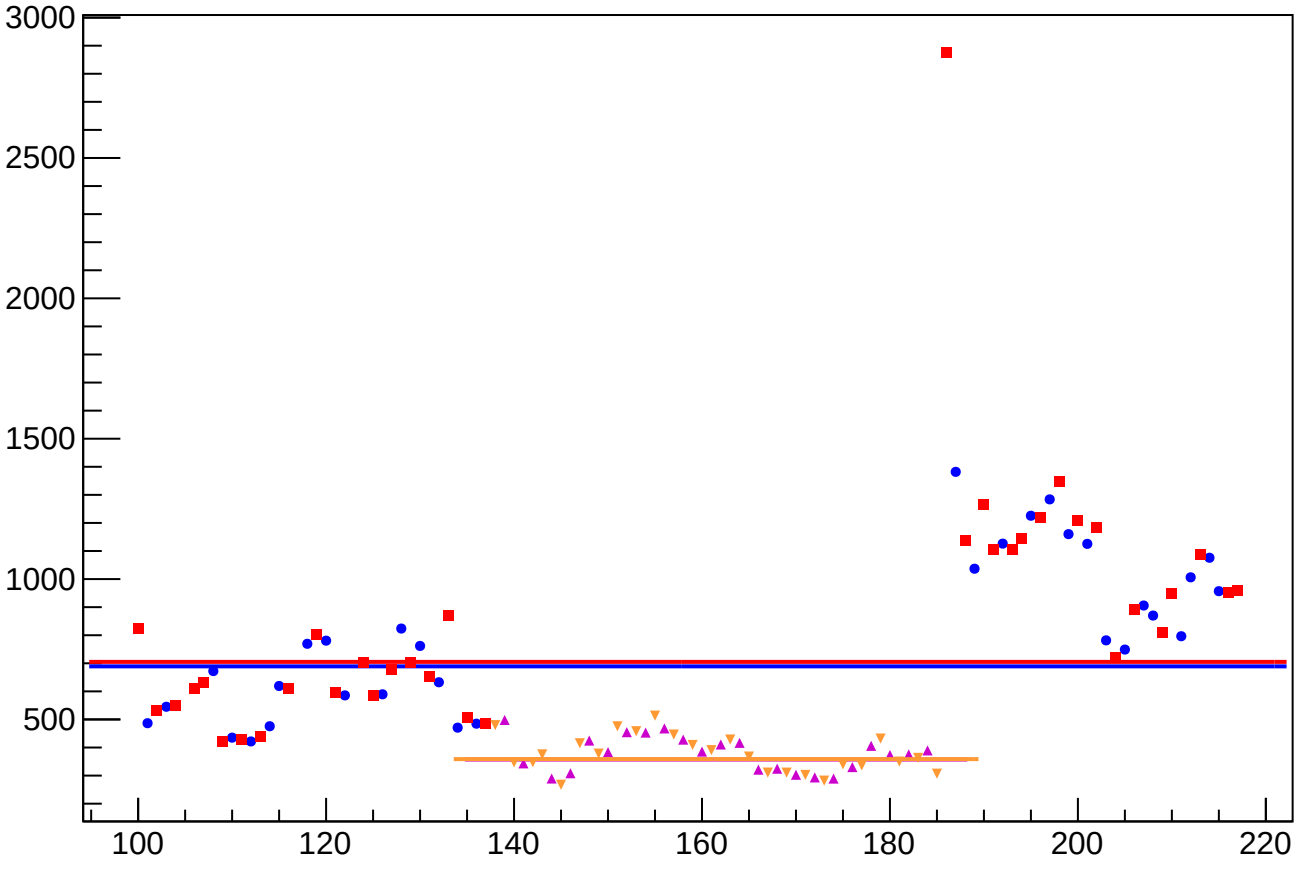
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 463.773+/-74.280 χ^2/NDF: 103.8/55

All: 313.663+/-52.976 χ^2/NDF: 196.9/114

- sign 158.272+/-75.575 χ^2/NDF: 84.8/58

asym_sam_1357_avg_rms vs Slug



Right In: 689.110+/-0.118 χ^2/NDF: 4108184.4/30

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

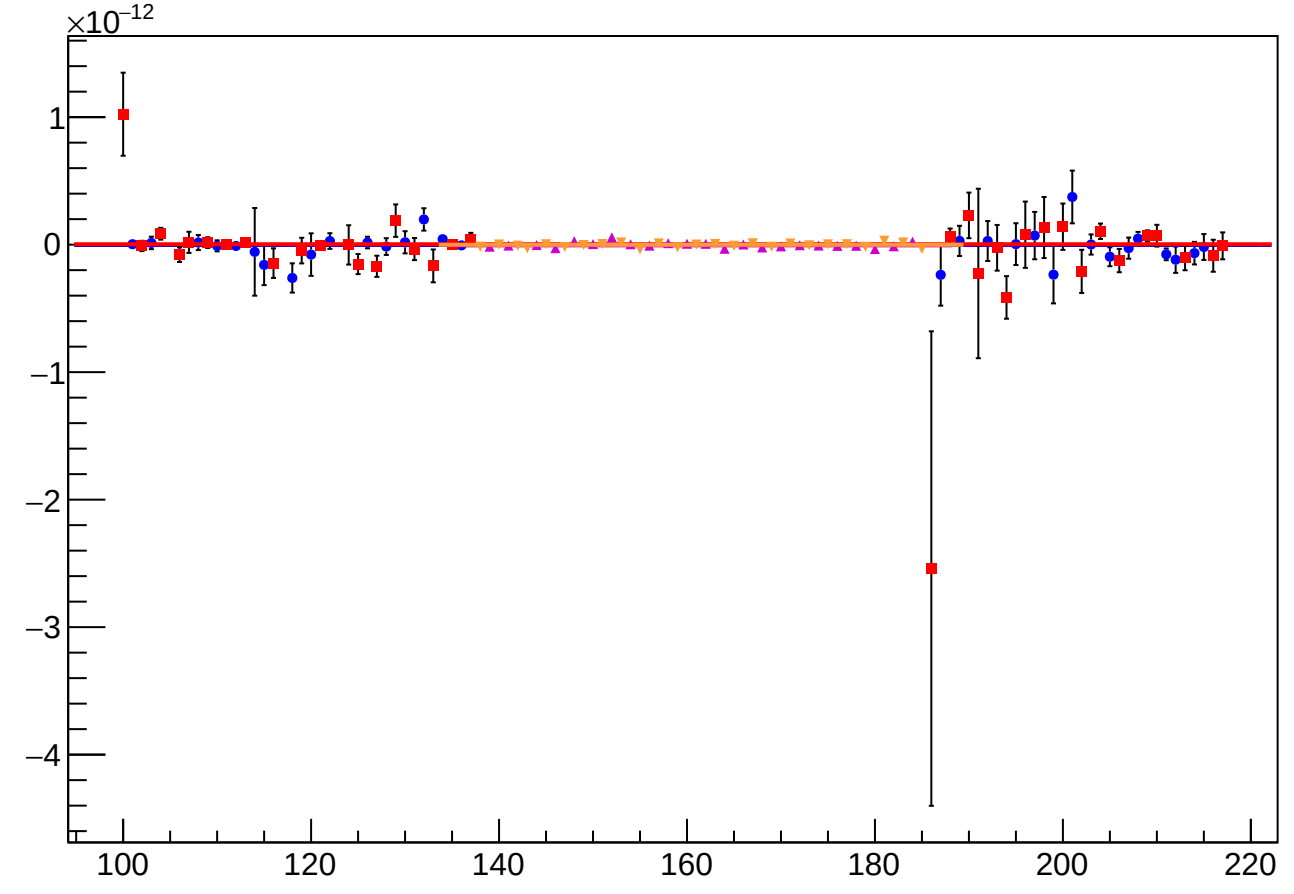
Right Out: 705.083+/-0.118 χ^2/NDF: 5150520.4/35

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 424.211+/-0.053 χ^2/NDF: 11520467.4/55

All: 426.542+/-0.037 χ^2/NDF: 24596348.8/11

- sign 428.955+/-0.053 χ^2/NDF: 13071873.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/30

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

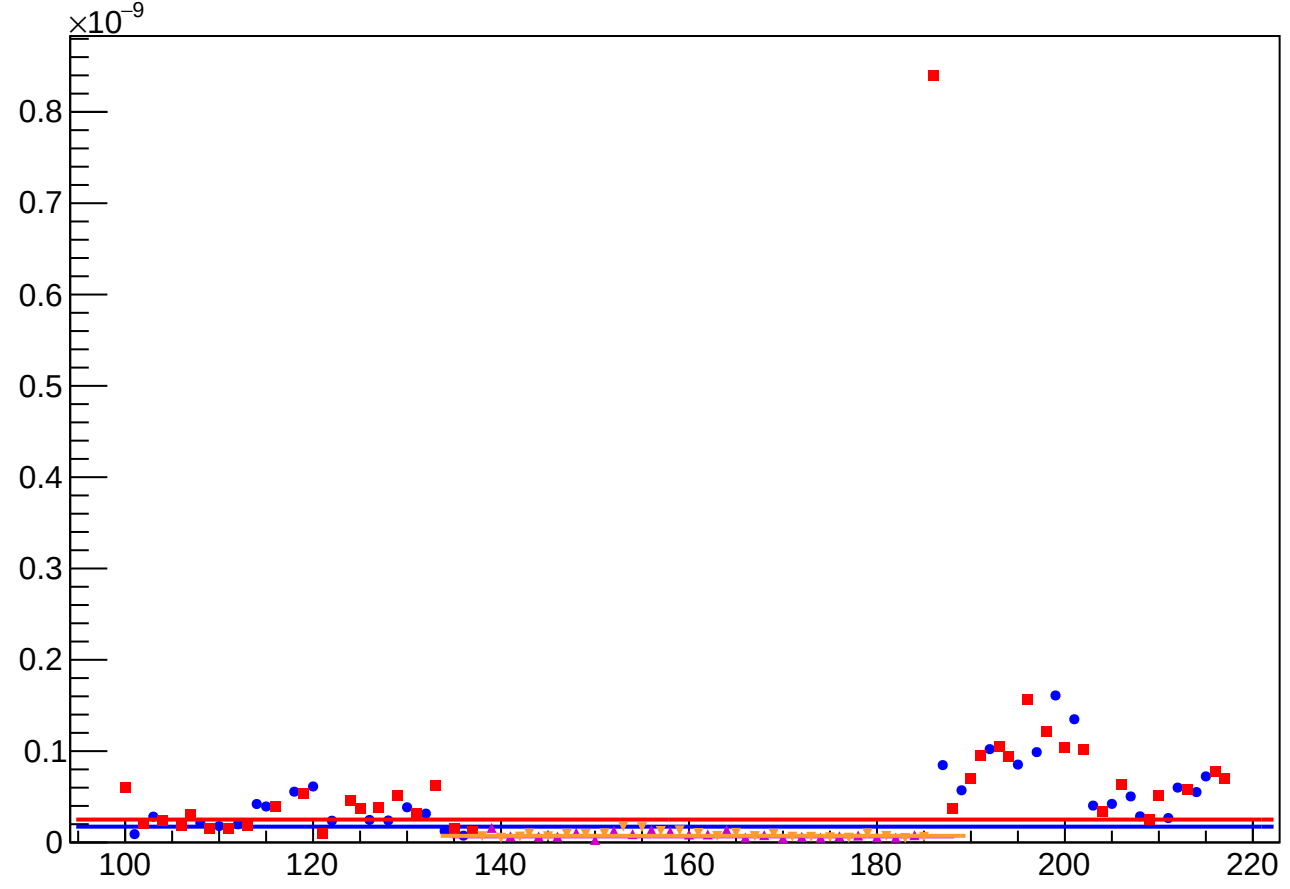
Right Out: 0.000+/-0.000 χ^2/NDF: 52.7/35

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/55

All: -0.000+/-0.000 χ^2/NDF: 127.3/114

- sign -0.000+/-0.000 χ^2/NDF: 81.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 7574734.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6333863.9/35

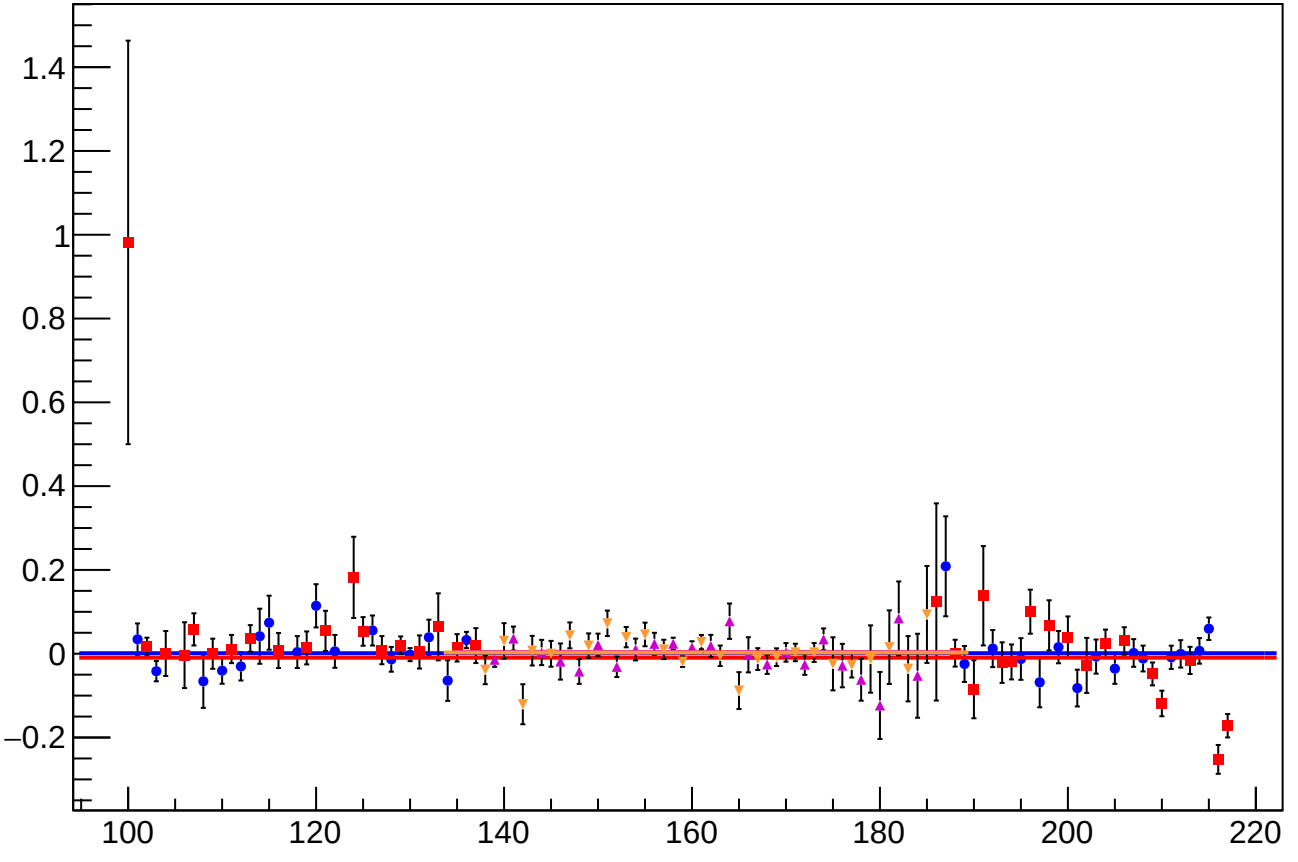
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11546086.3/55

All: 0.000+/-0.000 χ^2/NDF: 25067236.4/114

- sign 0.000+/-0.000 χ^2/NDF: 13493748.2/58

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

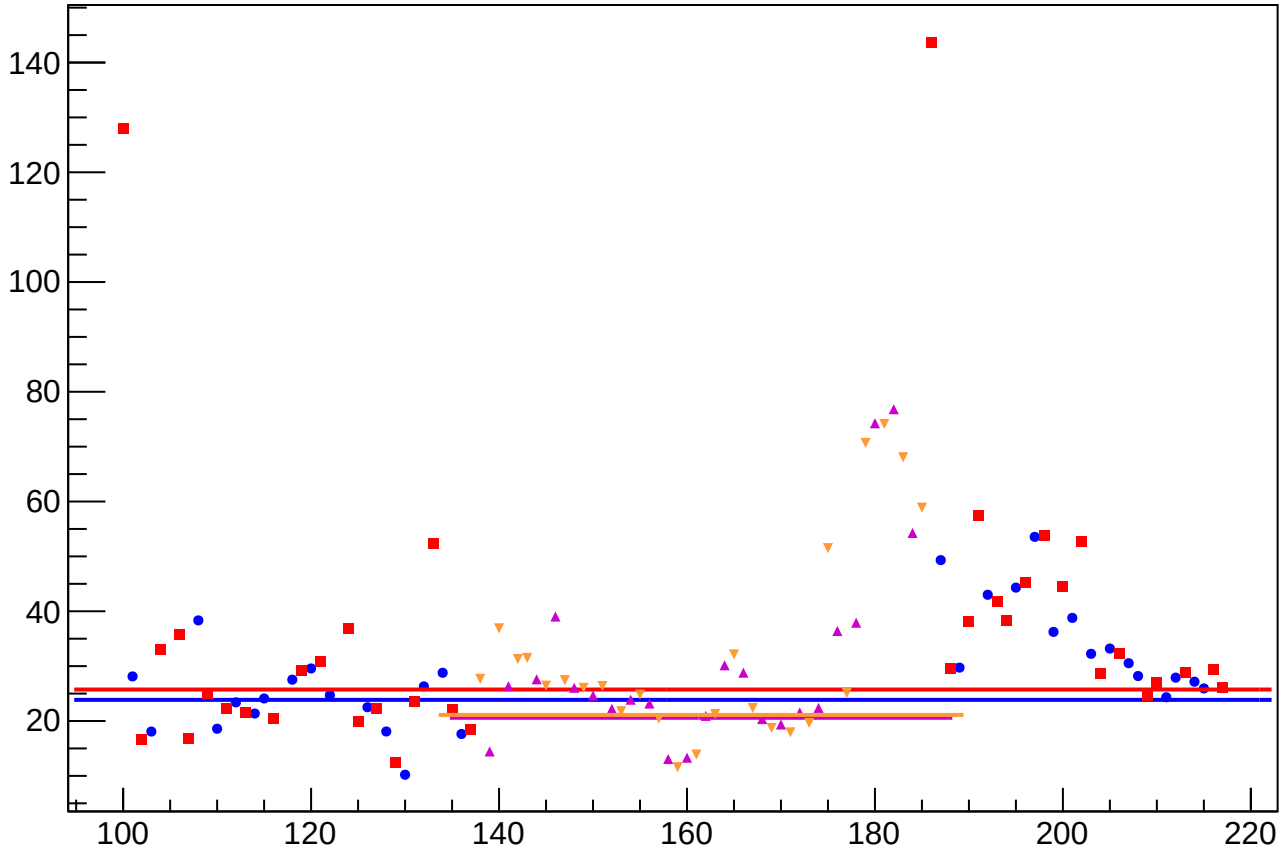
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 69.6/55

All: 0.000+/-0.003 χ^2/NDF: 233.8/114

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.855+/-0.004 χ^2/NDF: 4373980.2/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

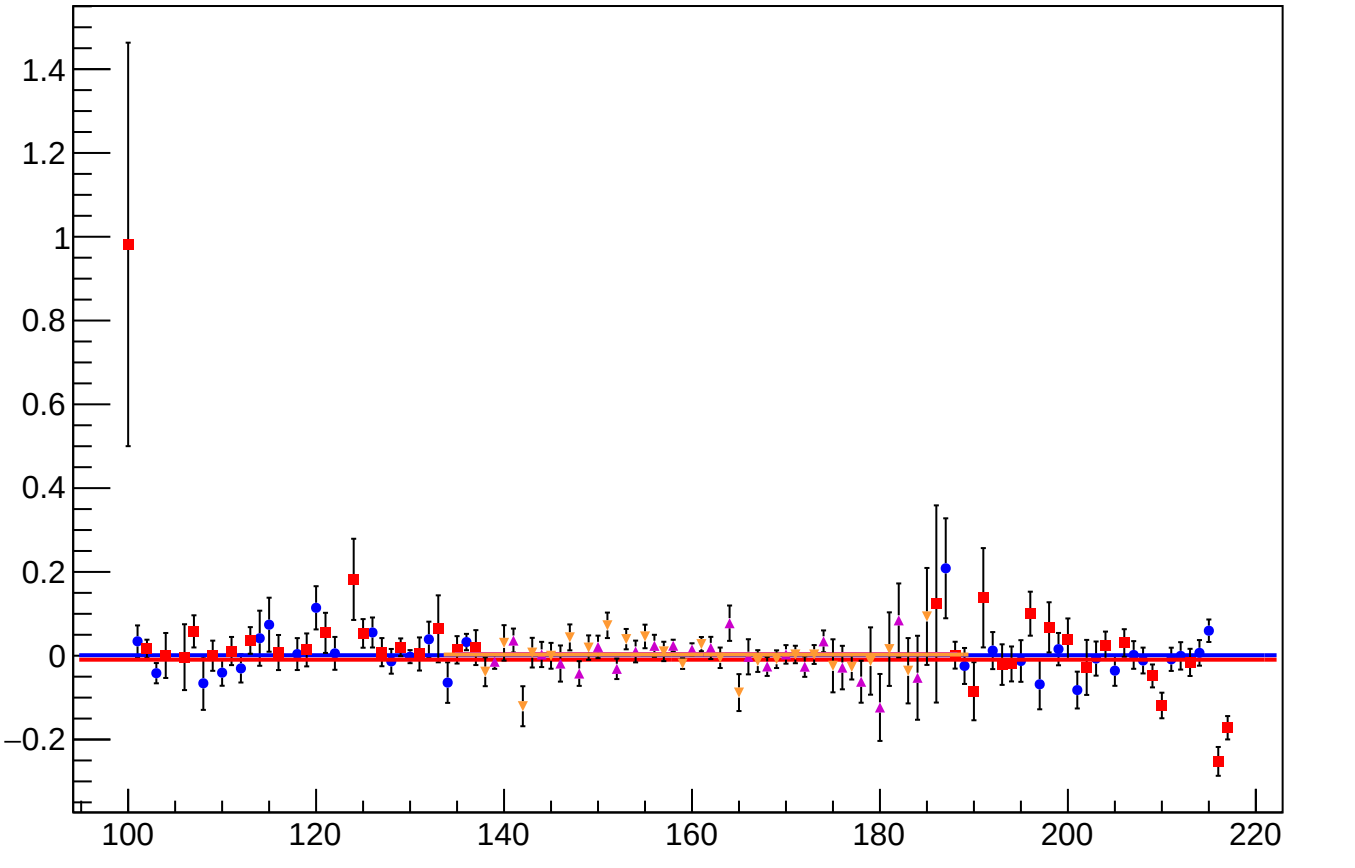
Right Out: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.343+/-0.003 χ^2/NDF: 10148500.5/55

All: 22.552+/-0.002 χ^2/NDF: 20110720.9/114

- sign 22.770+/-0.003 χ^2/NDF: 9951267.4/58



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

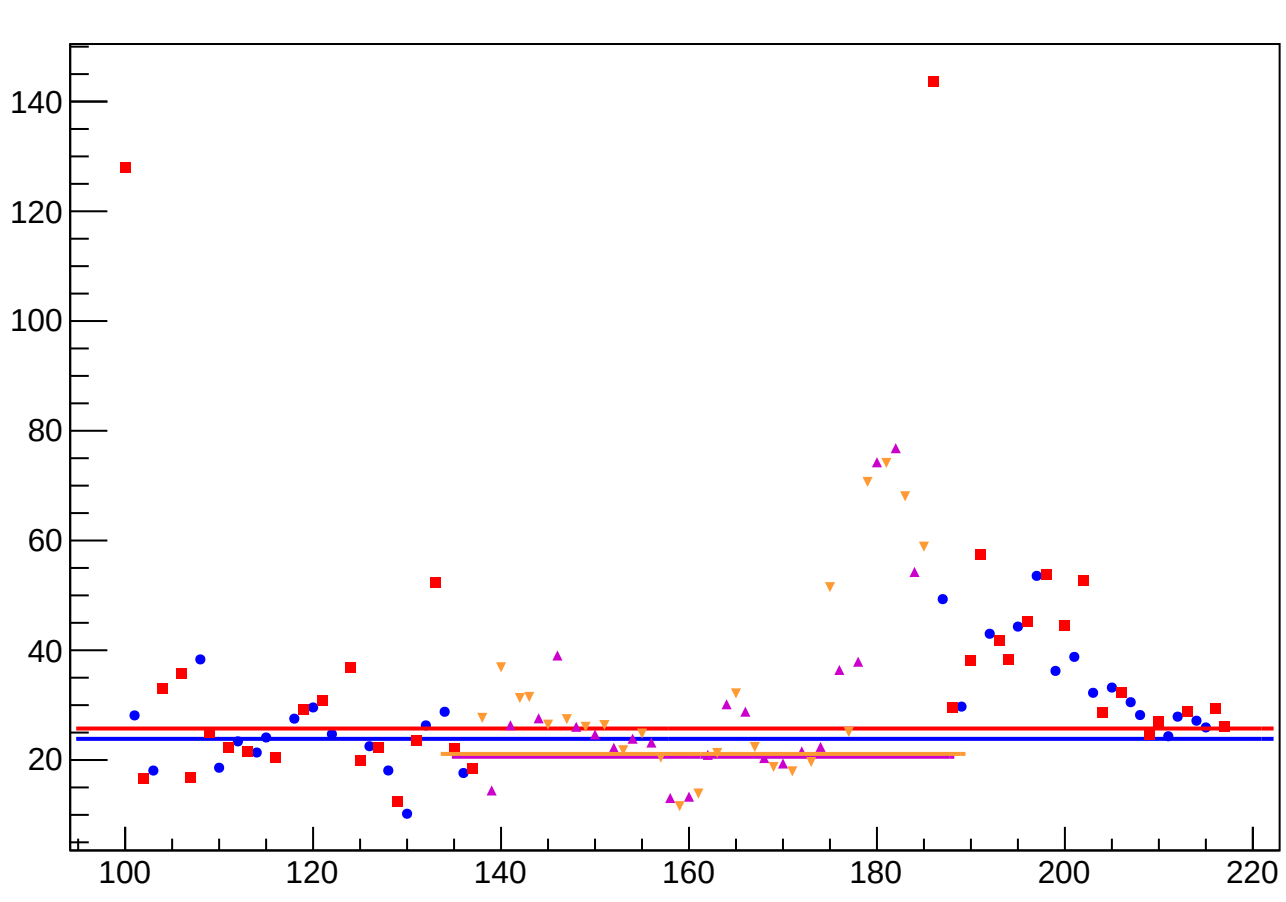
Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 69.6/55

All: 0.000+/-0.003 χ^2/NDF: 233.8/114

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58



Right In: 23.855+/-0.004 χ^2/NDF: 4373980.2/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

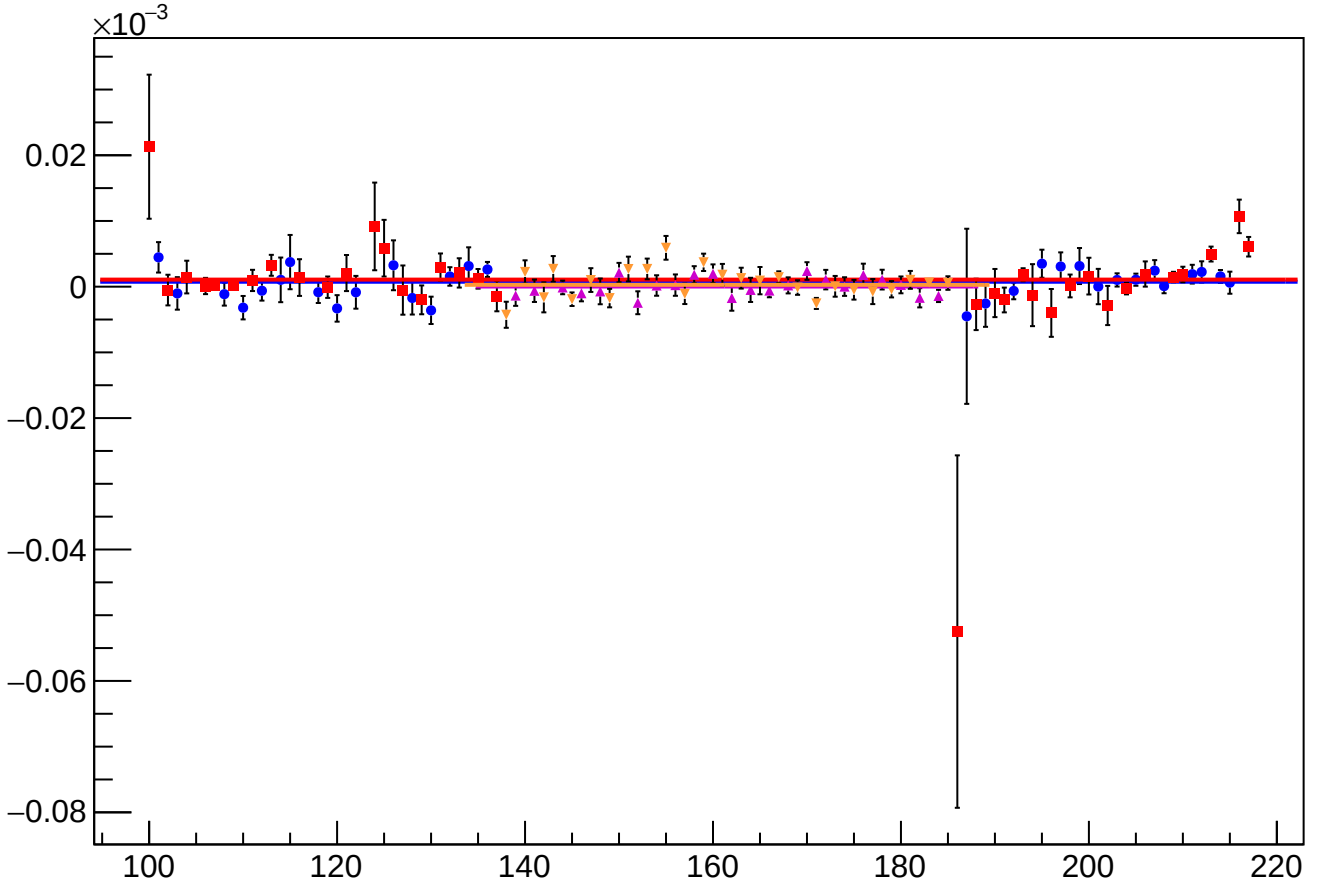
Right Out: 25.739+/-0.004 χ^2/NDF: 4592323.2/35

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.343+/-0.003 χ^2/NDF: 10148500.5/55

All: 22.552+/-0.002 χ^2/NDF: 20110720.9/114

- sign 22.770+/-0.003 χ^2/NDF: 9951267.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 35.2/30

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

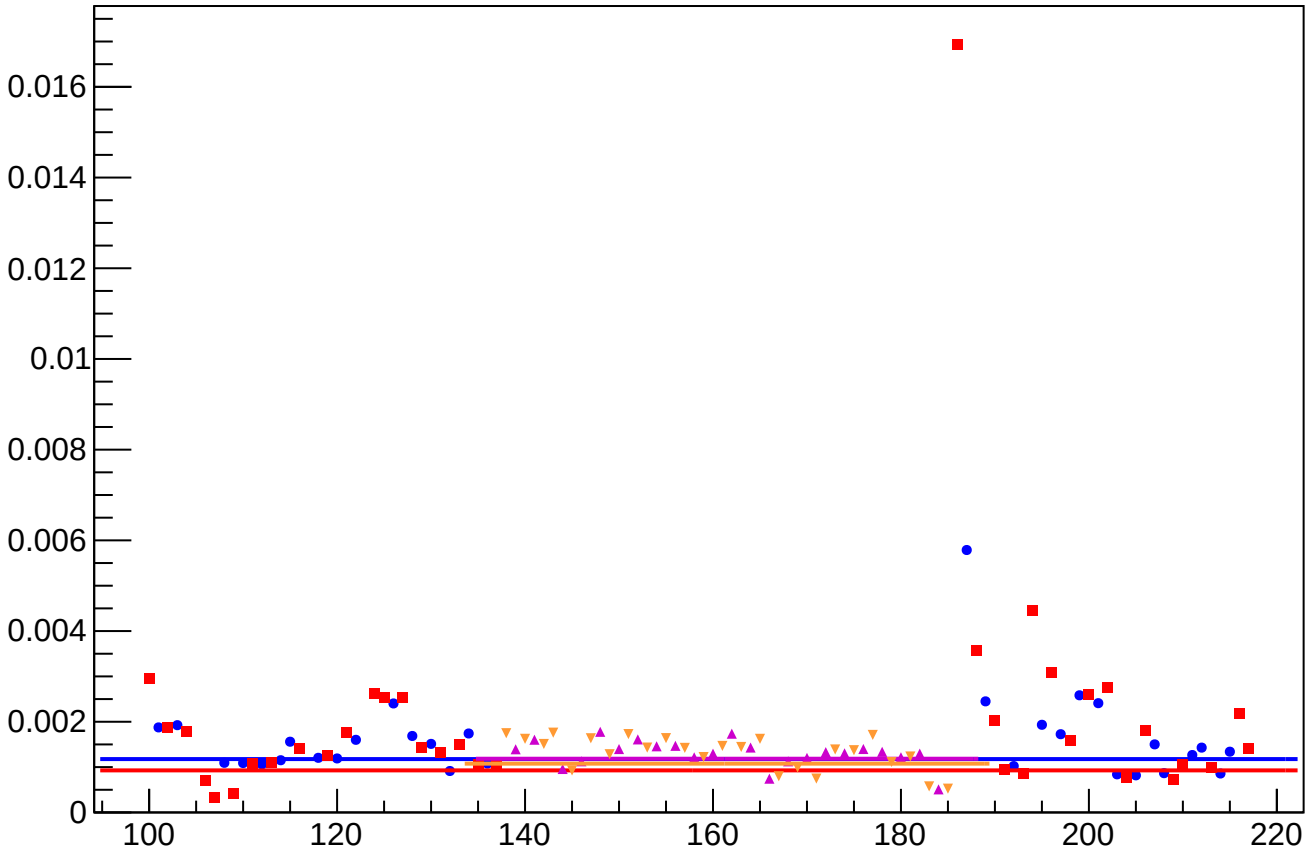
Right Out: 0.000+/-0.000 χ^2/NDF: 71.4/35

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.2/55

All: 0.000+/-0.000 χ^2/NDF: 188.2/114

- sign 0.000+/-0.000 χ^2/NDF: 98.8/58



Right In: 0.001+/-0.000 χ^2/NDF: 3881040.5/30

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

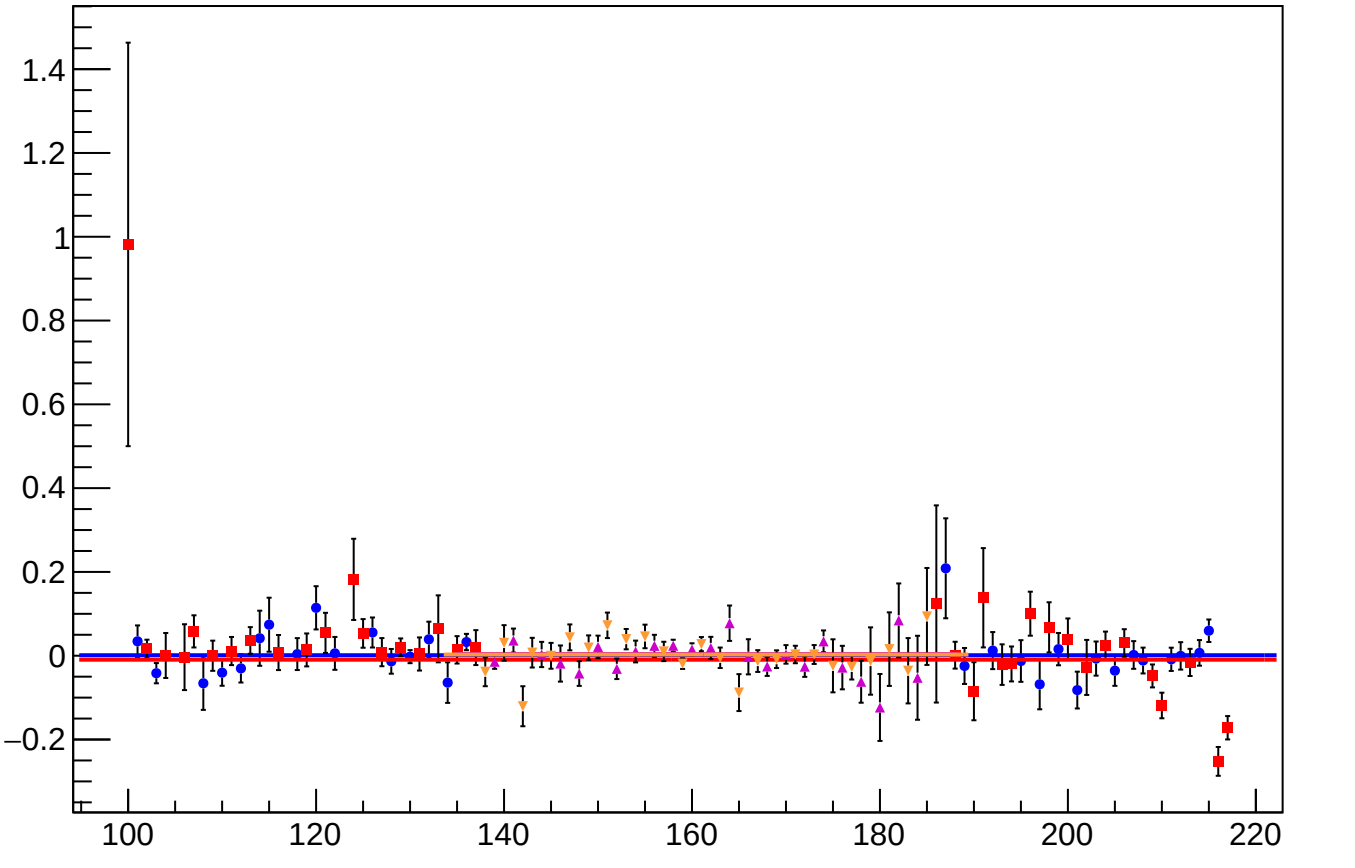
Right Out: 0.001+/-0.000 χ^2/NDF: 11907996.2/35

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8555043.8/55

All: 0.001+/-0.000 χ^2/NDF: 24012181.1/114

- sign 0.001+/-0.000 χ^2/NDF: 15271078.6/58



Right In: 0.001+/-0.006 χ^2/NDF: 36.7/30

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

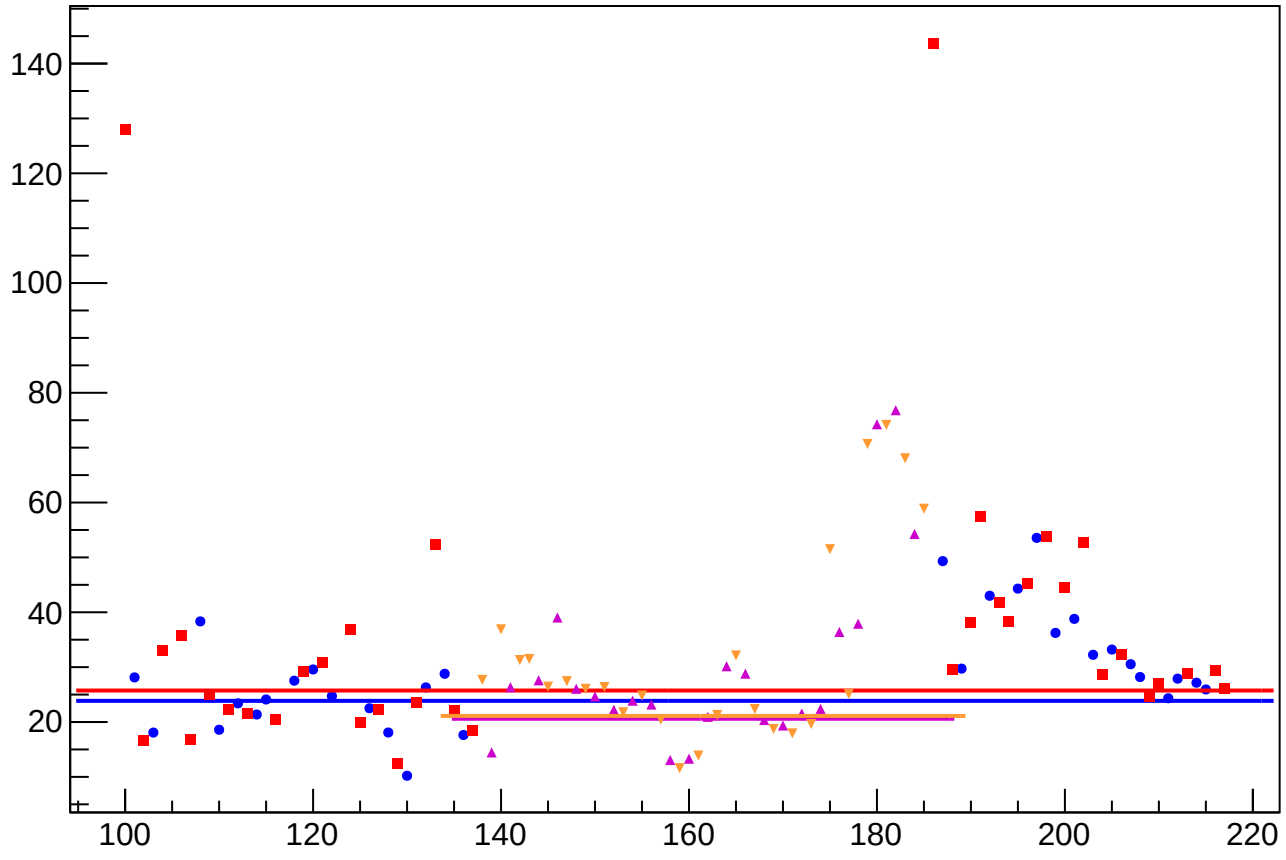
Right Out: -0.009+/-0.006 χ^2/NDF: 136.6/35

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.002+/-0.004 χ^2/NDF: 69.6/55

All: 0.000+/-0.003 χ^2/NDF: 233.7/114

- sign -0.002+/-0.004 χ^2/NDF: 163.7/58



Right In: 23.856+/-0.004 χ^2/NDF: 4373696.3/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

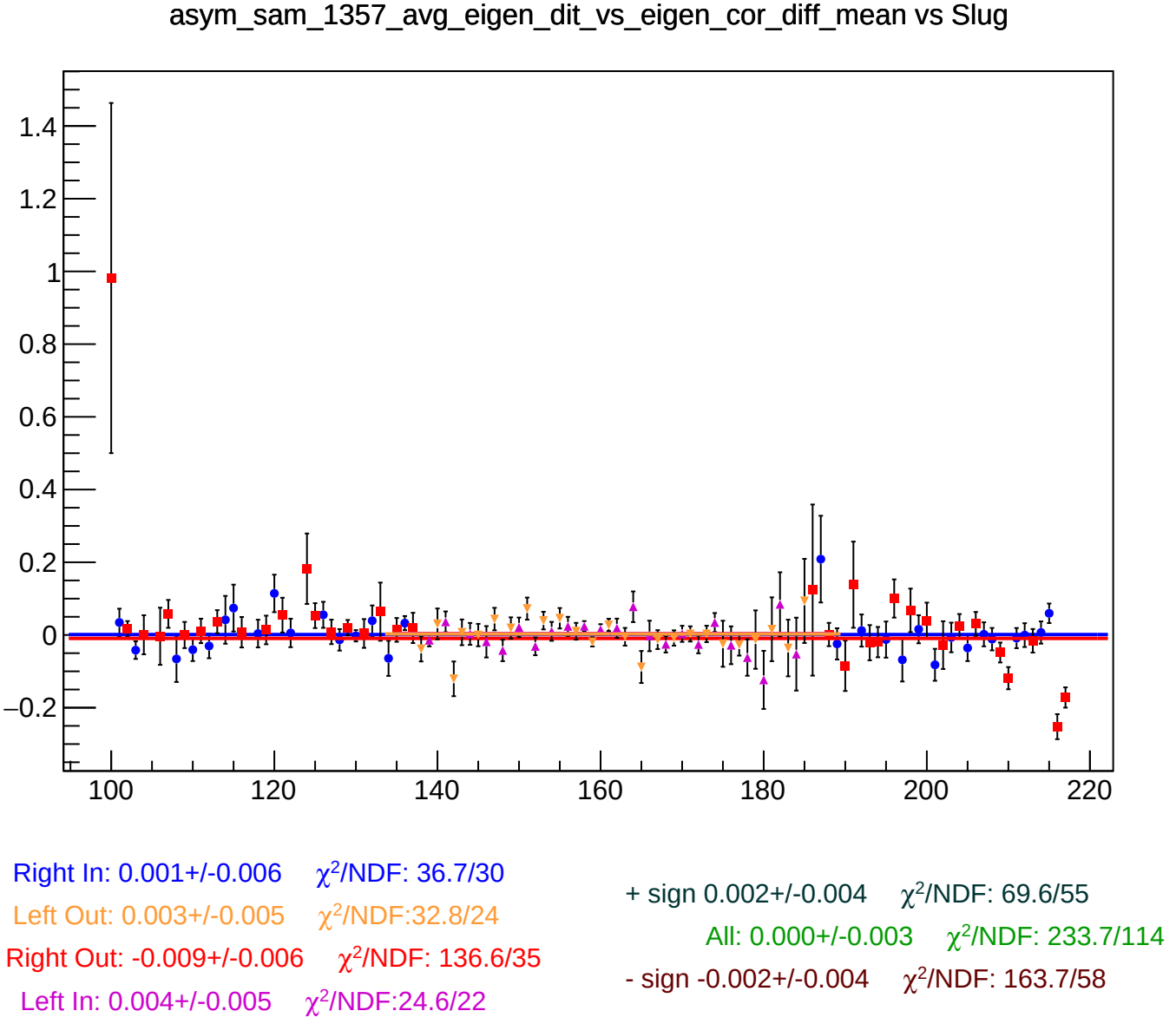
Right Out: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

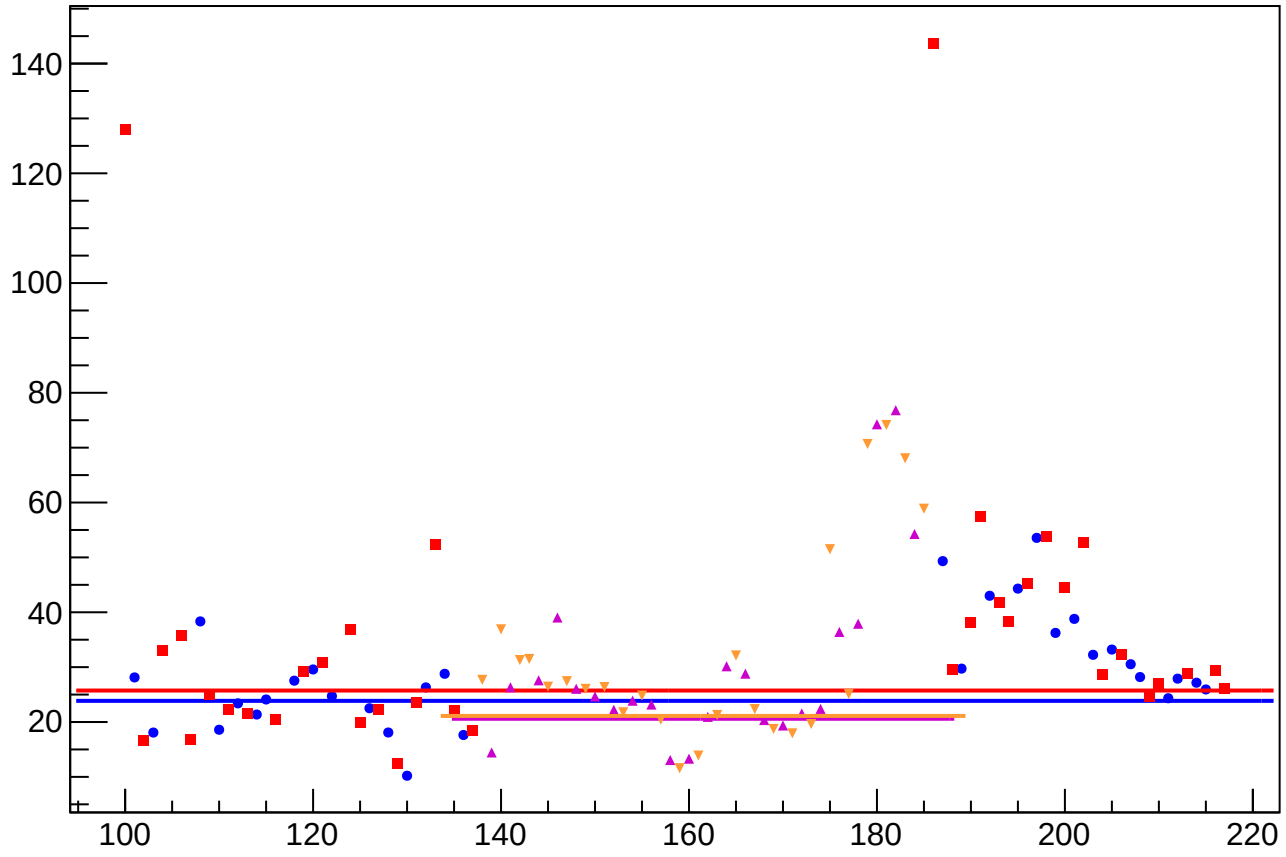
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.343+/-0.003 χ^2/NDF: 10148401.6/55

All: 22.553+/-0.002 χ^2/NDF: 20110533.5/114

- sign 22.771+/-0.003 χ^2/NDF: 9951179.3/58


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
220
Right In: 0.001+/-0.006 χ²/NDF: 36.7/30
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.009+/-0.006 χ²/NDF: 136.6/35
Left In: 0.004+/-0.005 χ²/NDF:24.6/22
+ sign 0.002+/-0.004 χ²/NDF: 69.6/55
All: 0.000+/-0.003 χ²/NDF: 233.7/114
- sign -0.002+/-0.004 χ²/NDF: 163.7/58



Right In: 23.856+/-0.004 χ^2/NDF: 4373696.3/30

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

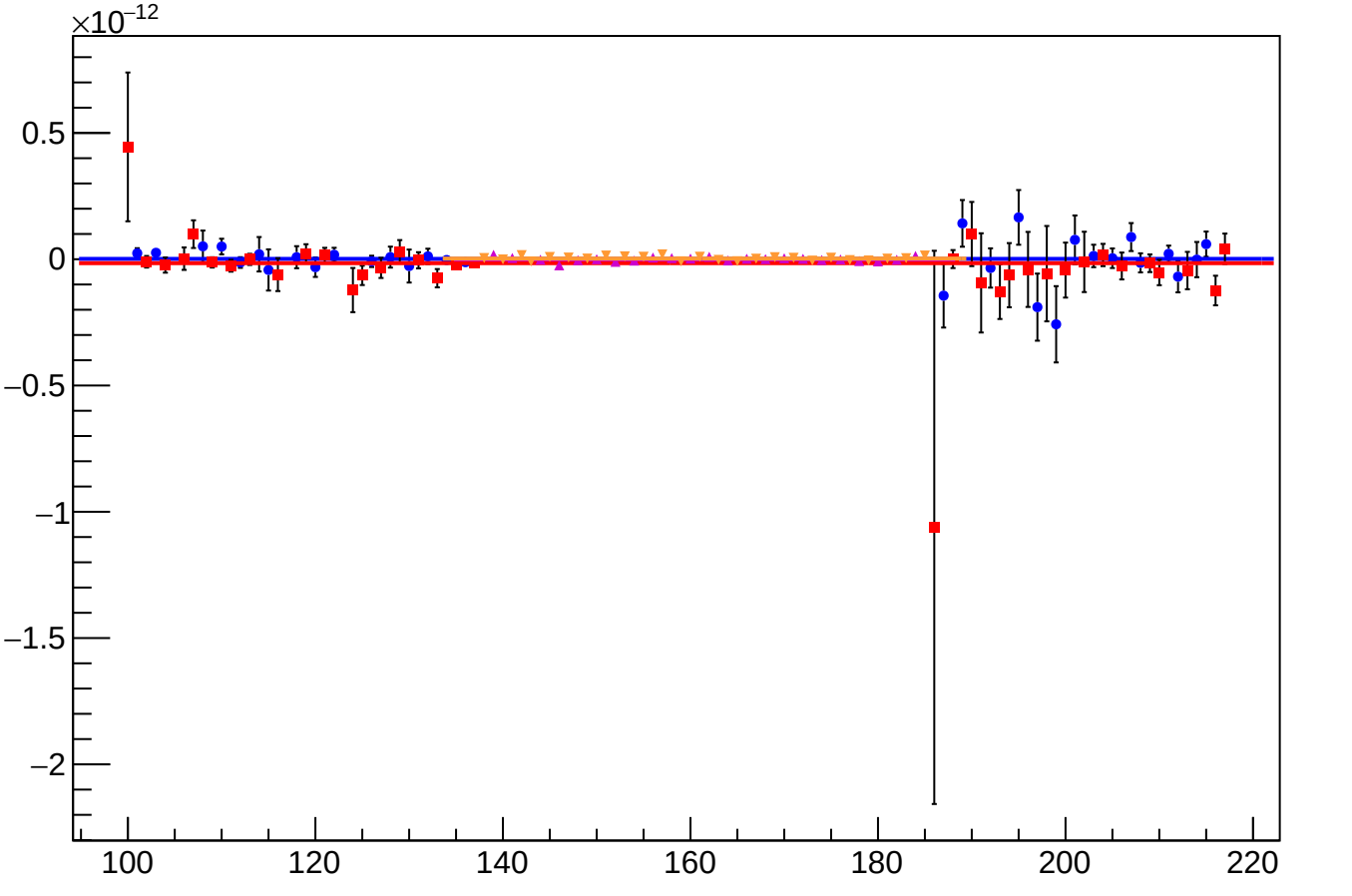
Right Out: 25.739+/-0.004 χ^2/NDF: 4592282.6/35

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.343+/-0.003 χ^2/NDF: 10148401.6/55

All: 22.553+/-0.002 χ^2/NDF: 20110533.5/114

- sign 22.771+/-0.003 χ^2/NDF: 9951179.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

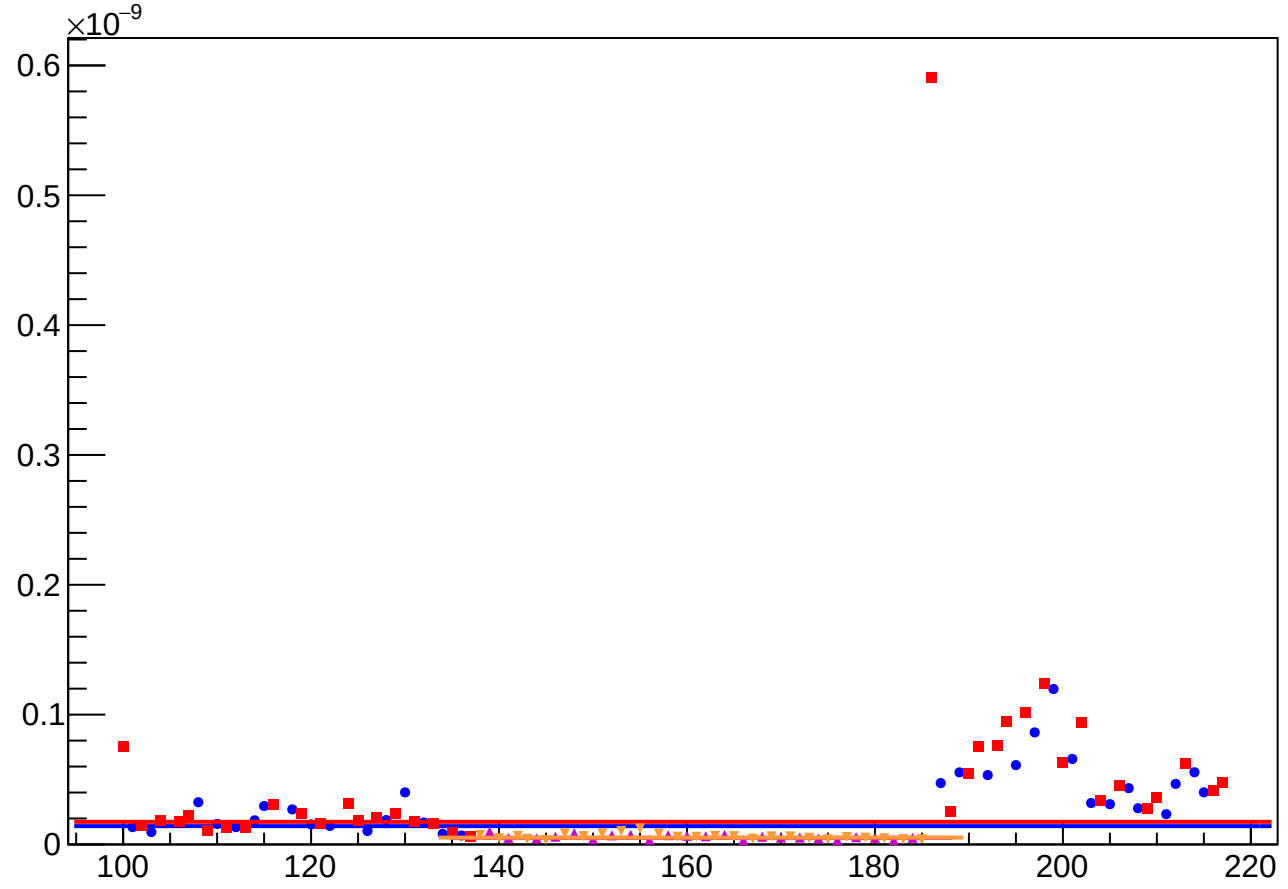
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/35

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.7/55

All: 0.000+/-0.000 χ^2/NDF: 106.5/114

- sign -0.000+/-0.000 χ^2/NDF: 53.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 9621504.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9758006.3/35

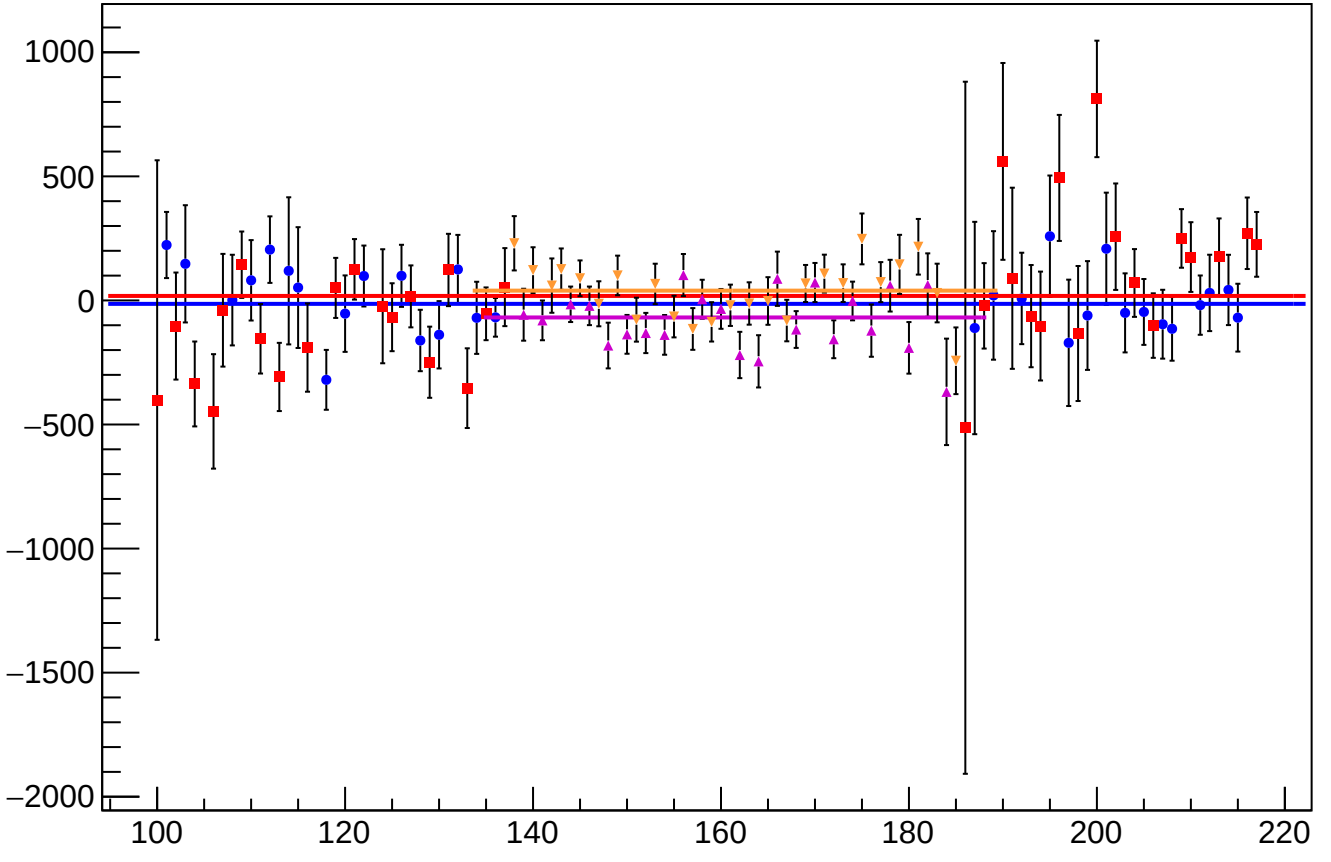
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16915150.1/55

All: 0.000+/-0.000 χ^2/NDF: 36254407.3/114

- sign 0.000+/-0.000 χ^2/NDF: 19331836.8/58

reg_asym_sam_2468_avg_mean vs Slug



Right In: -13.827+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.108+/-27.044 χ^2/NDF: 61.3/35

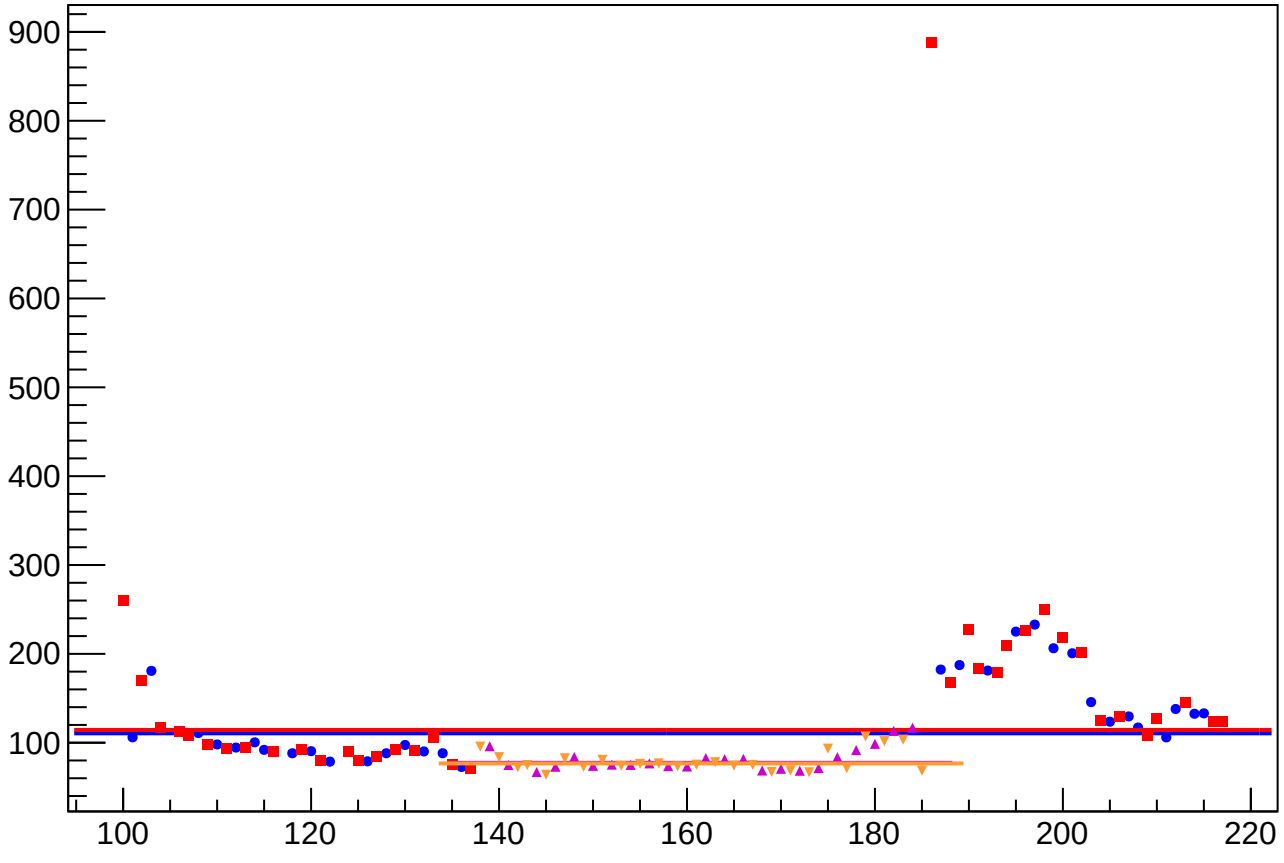
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 23.291+/-14.742 χ^2/NDF: 57.9/55

All: -8.111+/-10.571 χ^2/NDF: 164.6/114

- sign -41.346+/-15.166 χ^2/NDF: 97.4/58

reg_asym_sam_2468_avg_rms vs Slug



Right In: 110.558+/-0.019 χ^2/NDF: 3699410.5/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

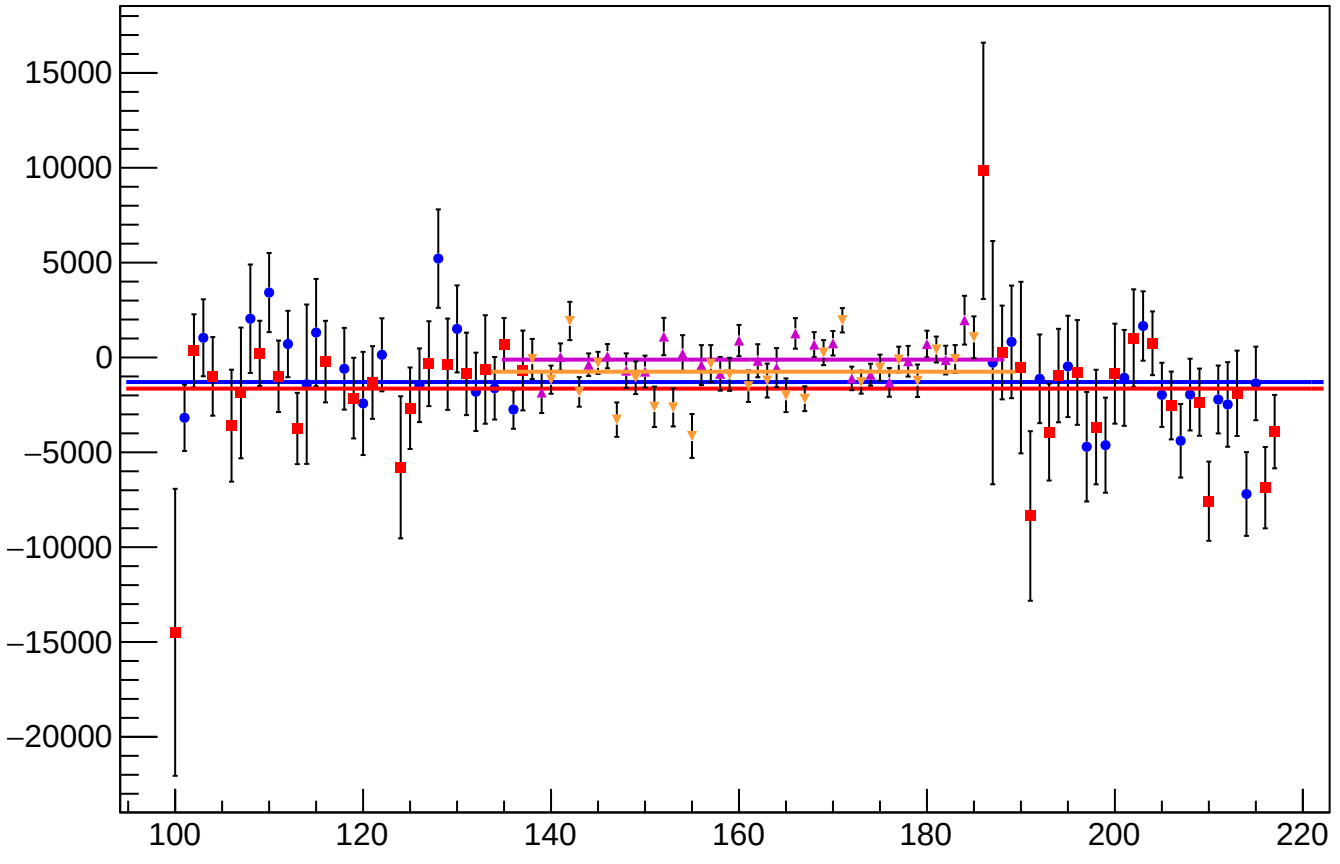
Right Out: 114.389+/-0.019 χ^2/NDF: 4743503.5/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.944+/-0.010 χ^2/NDF: 6591870.4/55

All: 87.941+/-0.007 χ^2/NDF: 14516679.7/114

- sign 88.997+/-0.011 χ^2/NDF: 7905963.2/58



Right In: -1294.970+/-370.095 χ^2/NDF: 38.8/30

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1641.291+/-375.428 χ^2/NDF: 39.1/35

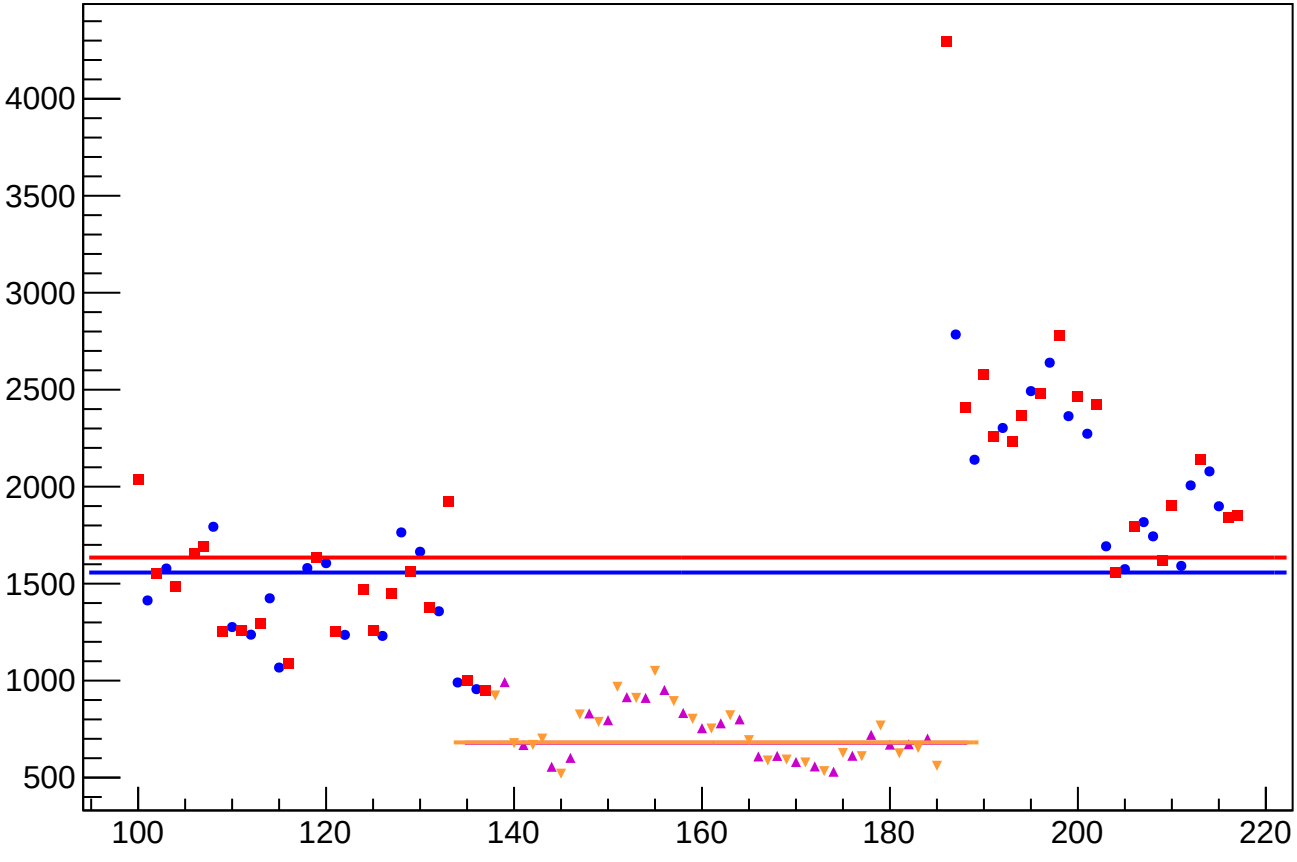
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -833.782+/-145.375 χ^2/NDF: 110.6/55

All: -598.703+/-103.915 χ^2/NDF: 194.1/114

- sign -353.095+/-148.595 χ^2/NDF: 78.1/58

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1557.347+/-0.262 χ^2/NDF: 2848208.7/30

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1634.592+/-0.265 χ^2/NDF: 3199636.2/35

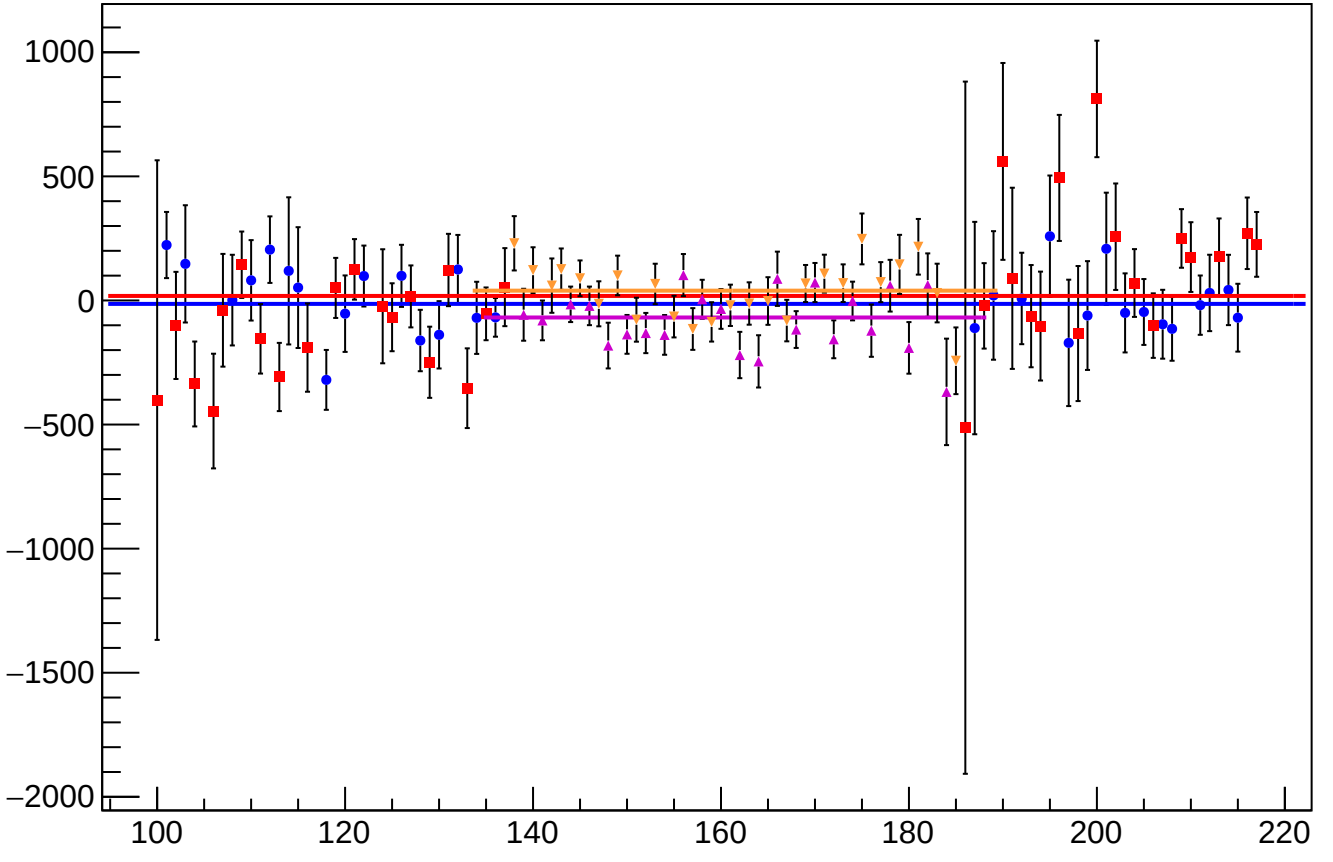
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

\+ sign 816.576+/-0.103 χ^2/NDF: 13656806.4/55

All: 822.677+/-0.073 χ^2/NDF: 28967067.9/11

\- sign 829.051+/-0.105 χ^2/NDF: 15303059.7/58

cor_asym_sam_2468_avg_mean vs Slug



Right In: -13.836+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.196+/-27.045 χ^2/NDF: 61.2/35

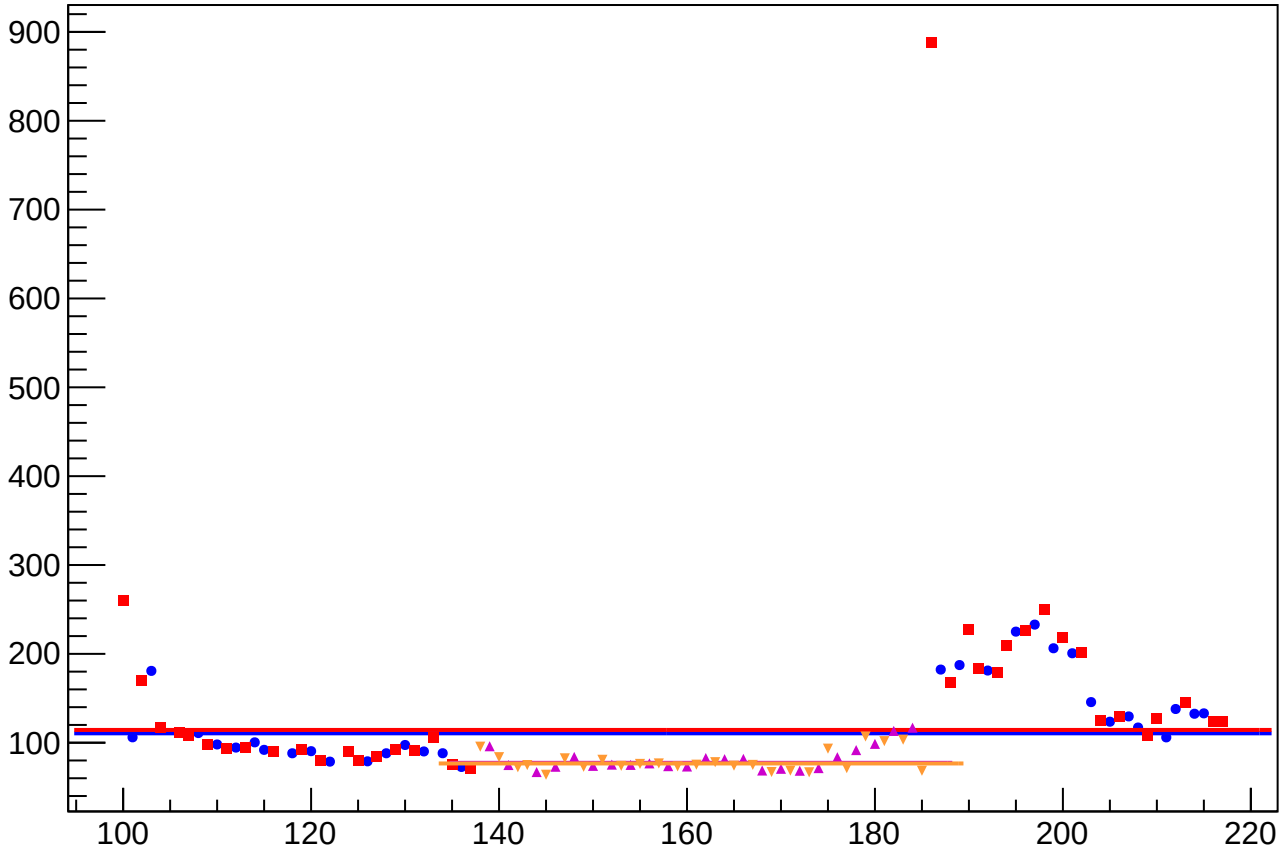
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 23.293+/-14.742 χ^2/NDF: 57.9/55

All: -8.097+/-10.571 χ^2/NDF: 164.5/114

- sign -41.319+/-15.166 χ^2/NDF: 97.3/58

cor_asym_sam_2468_avg_rms vs Slug



Right In: 110.558+/-0.019 χ^2/NDF: 3699414.1/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

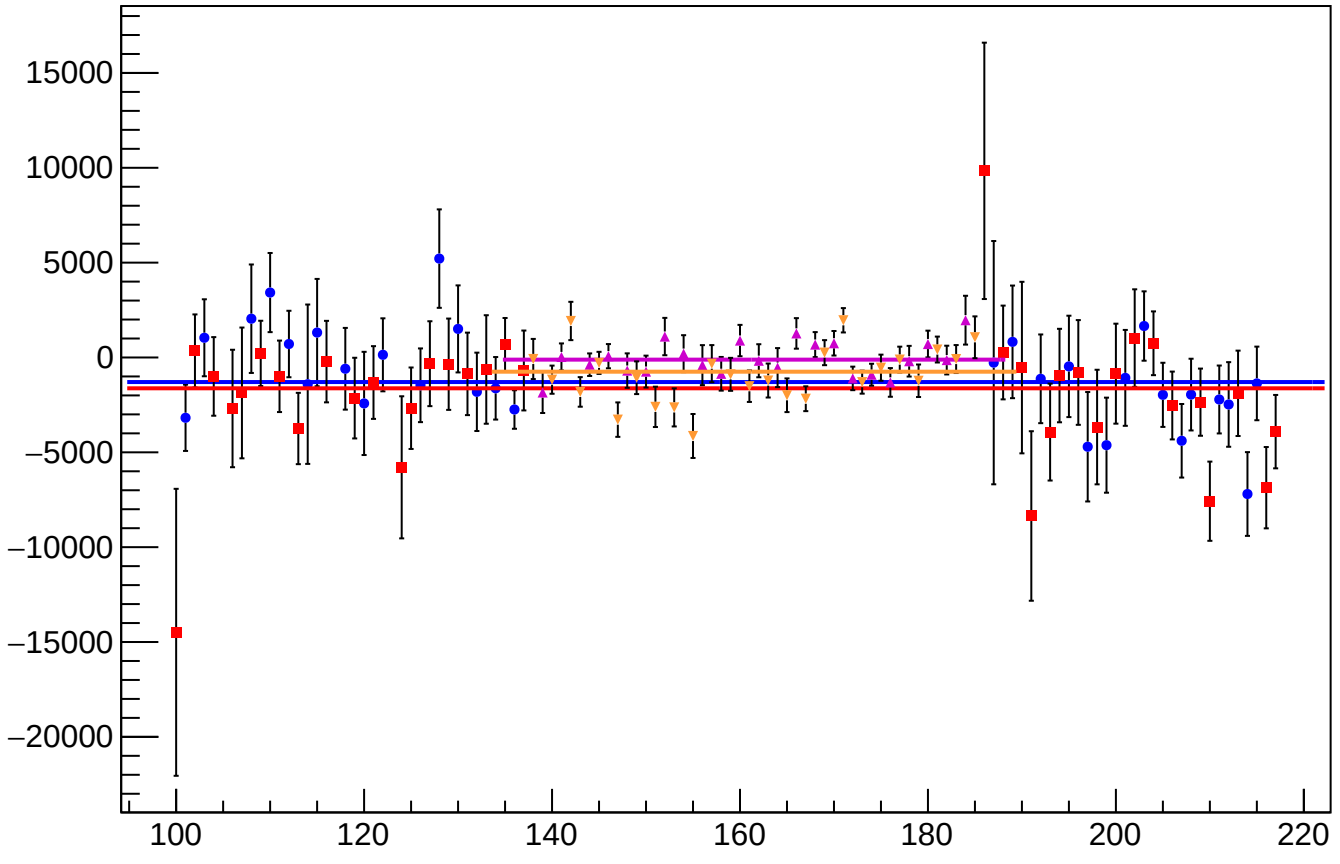
Right Out: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.944+/-0.010 χ^2/NDF: 6591874.0/55

All: 87.938+/-0.007 χ^2/NDF: 14514474.8/114

- sign 88.991+/-0.011 χ^2/NDF: 7903866.4/58



Right In: -1294.953+/-370.096 χ^2/NDF: 38.8/30

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

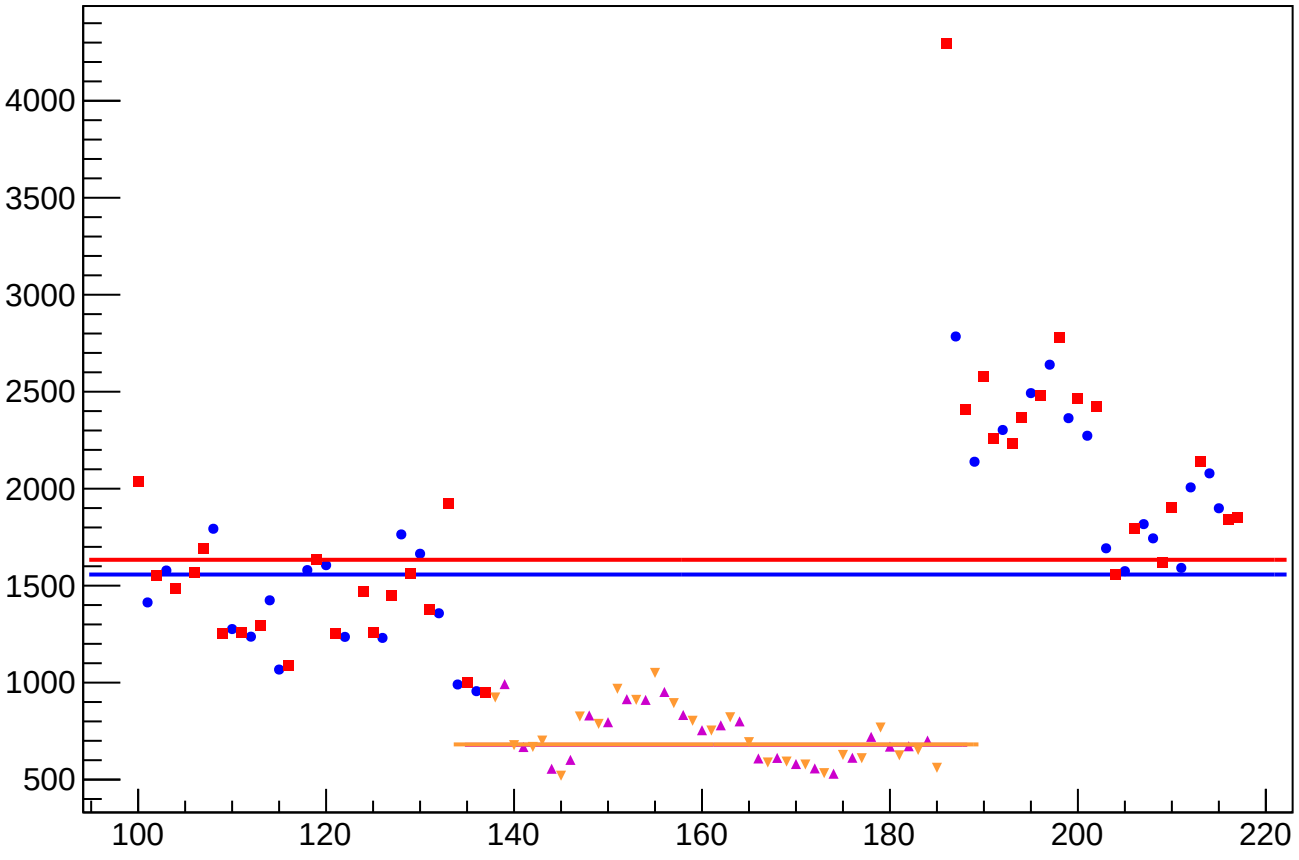
Right Out: -1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -833.772+/-145.375 χ^2/NDF: 110.6/55

All: -597.361+/-103.921 χ^2/NDF: 193.5/114

- sign -350.300+/-148.613 χ^2/NDF: 77.4/58



Right In: 1557.350+/-0.262 χ^2/NDF: 2848216.3/30

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

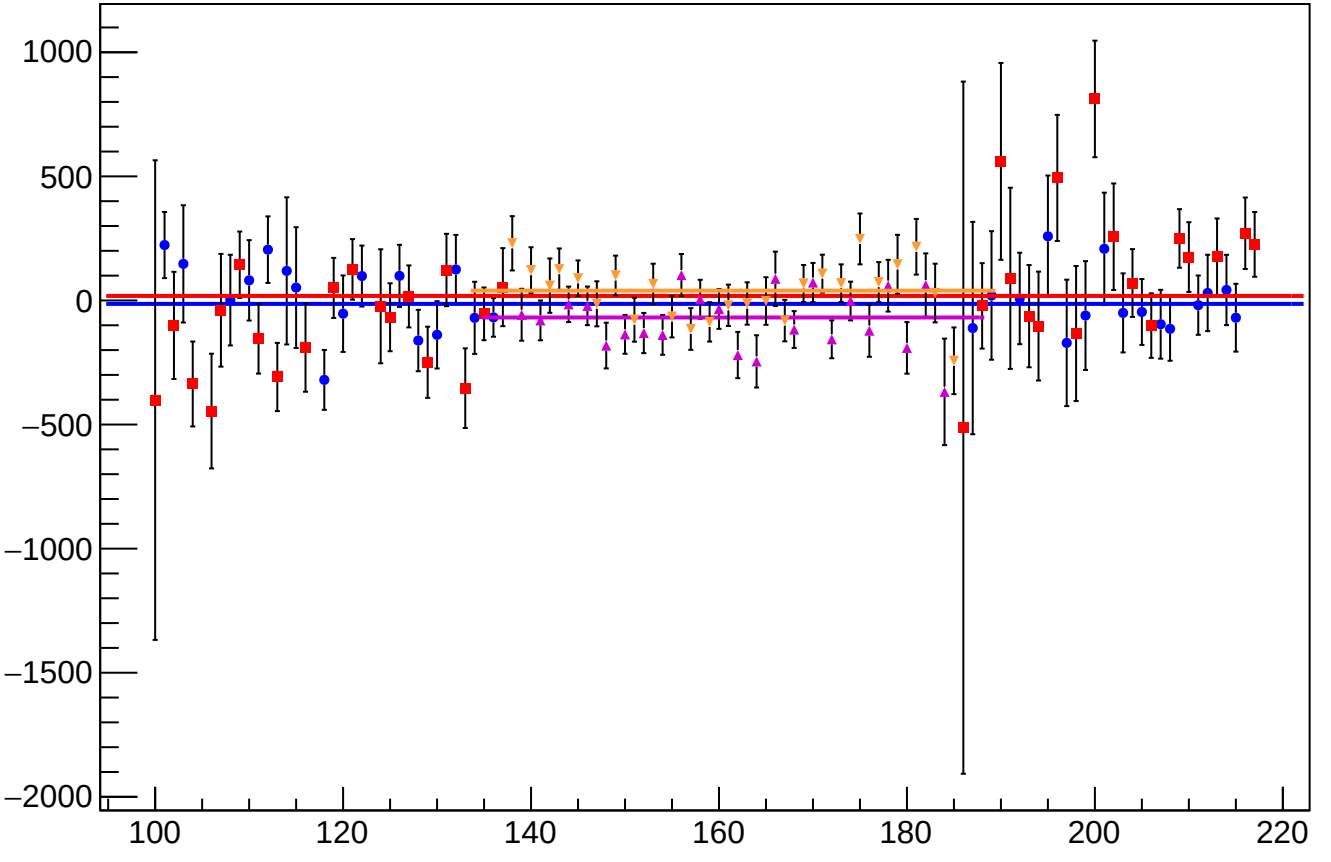
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 816.576+/-0.103 χ^2/NDF: 13656854.1/55

All: 822.485+/-0.073 χ^2/NDF: 28924464.0/11

- sign 828.660+/-0.105 χ^2/NDF: 15260852.6/58

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -13.836+/-26.753 χ^2/NDF: 23.2/30

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 18.196+/-27.045 χ^2/NDF: 61.2/35

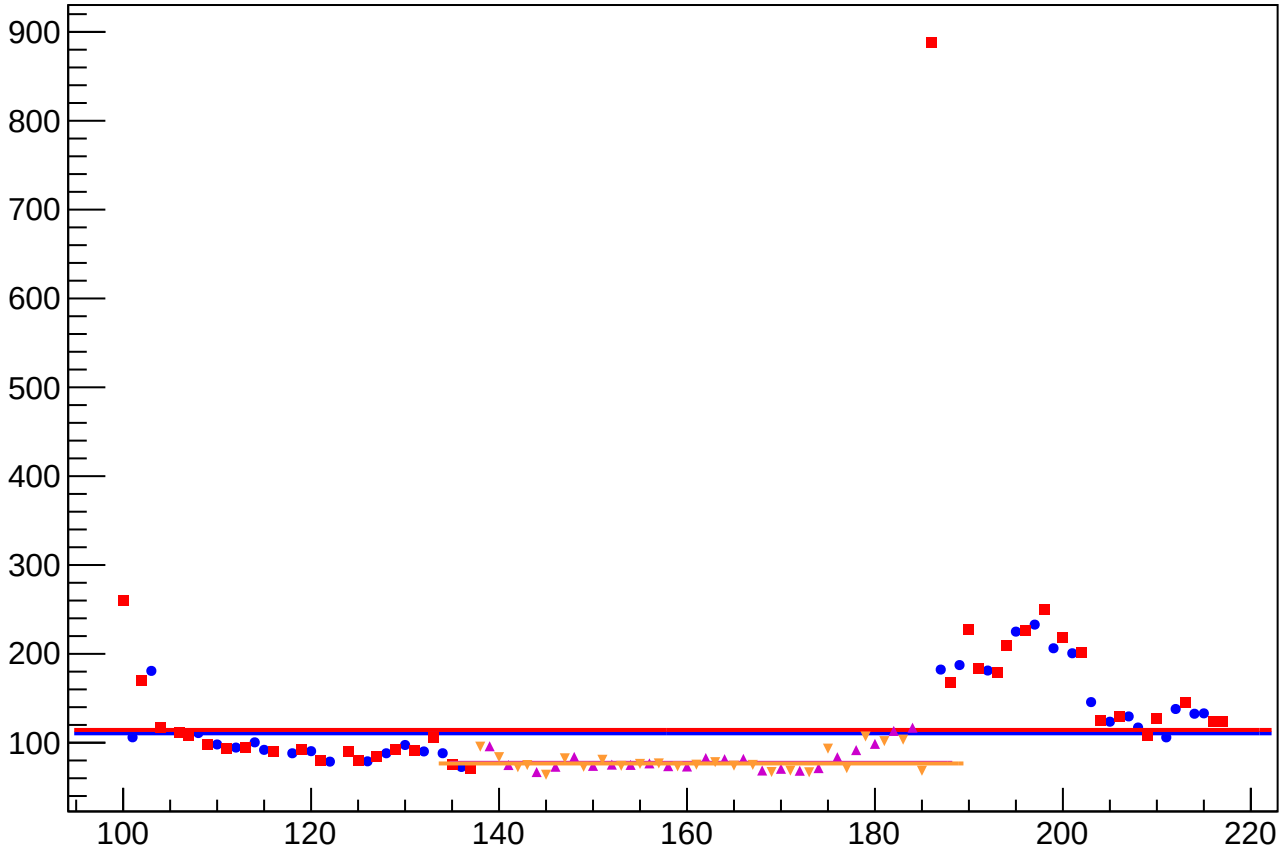
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 23.293+/-14.742 χ^2/NDF: 57.9/55

All: -8.097+/-10.571 χ^2/NDF: 164.5/114

- sign -41.319+/-15.166 χ^2/NDF: 97.3/58

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 110.558+/-0.019 χ^2/NDF: 3699414.1/30

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

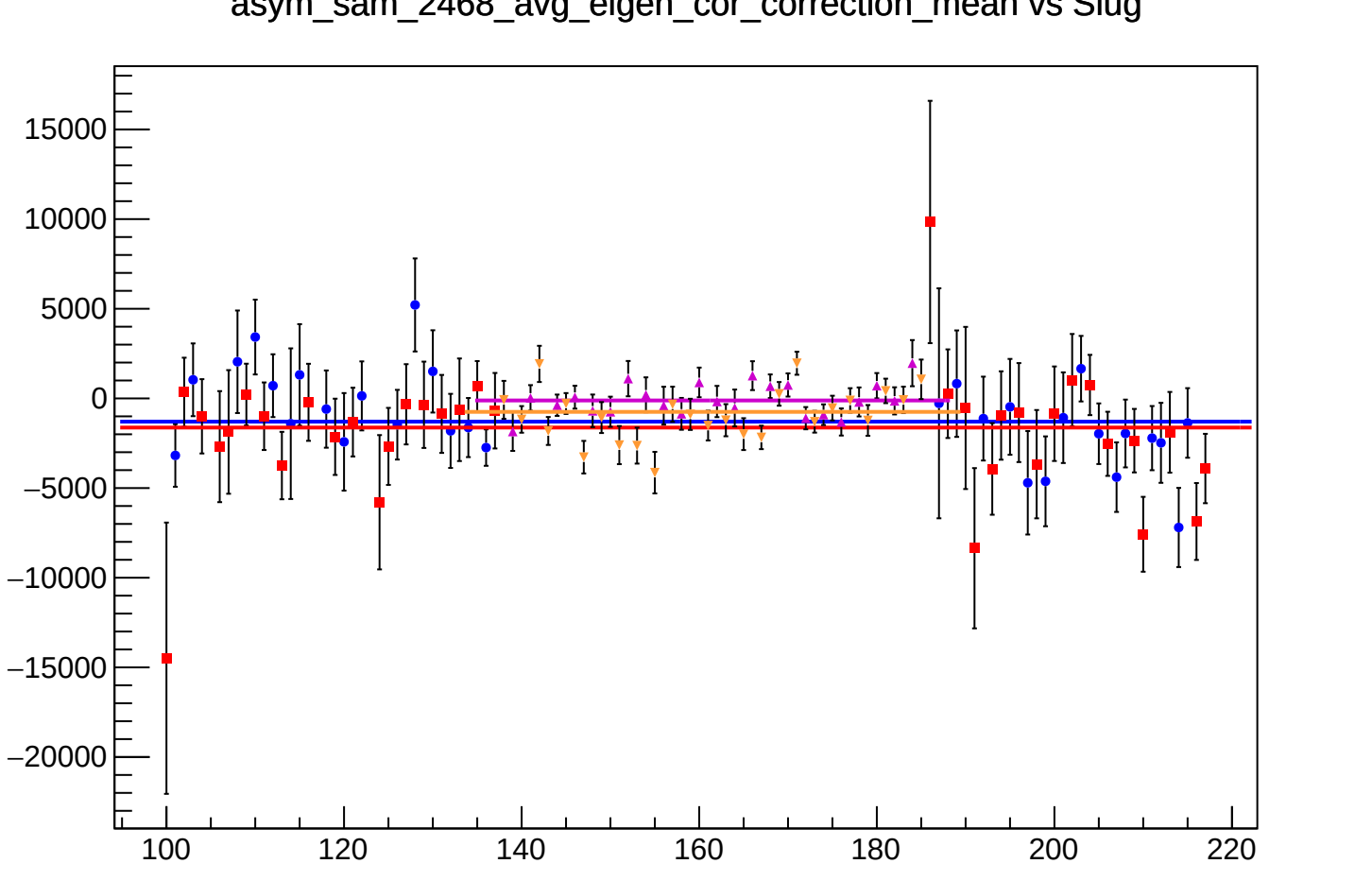
Right Out: 114.372+/-0.019 χ^2/NDF: 4743972.0/35

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.944+/-0.010 χ^2/NDF: 6591874.0/55

All: 87.938+/-0.007 χ^2/NDF: 14514474.8/114

- sign 88.991+/-0.011 χ^2/NDF: 7903866.4/58



Right In: -1294.953+/-370.096 χ^2/NDF: 38.8/30

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

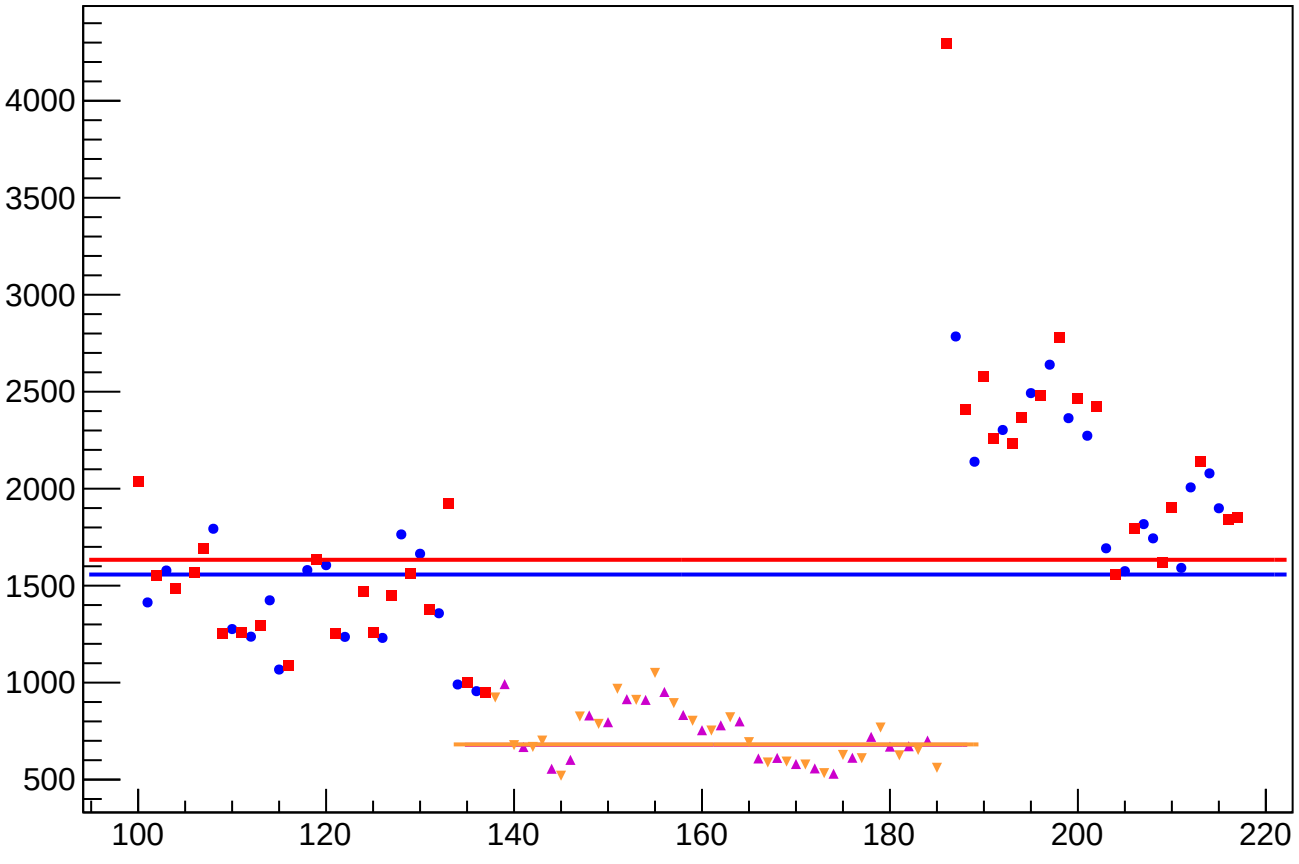
Right Out: -1625.410+/-375.716 χ^2/NDF: 38.7/35

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -833.772+/-145.375 χ^2/NDF: 110.6/55

All: -597.361+/-103.921 χ^2/NDF: 193.5/114

- sign -350.300+/-148.613 χ^2/NDF: 77.4/58



Right In: 1557.350+/-0.262 χ^2/NDF: 2848216.3/30

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1633.332+/-0.266 χ^2/NDF: 3200327.2/35

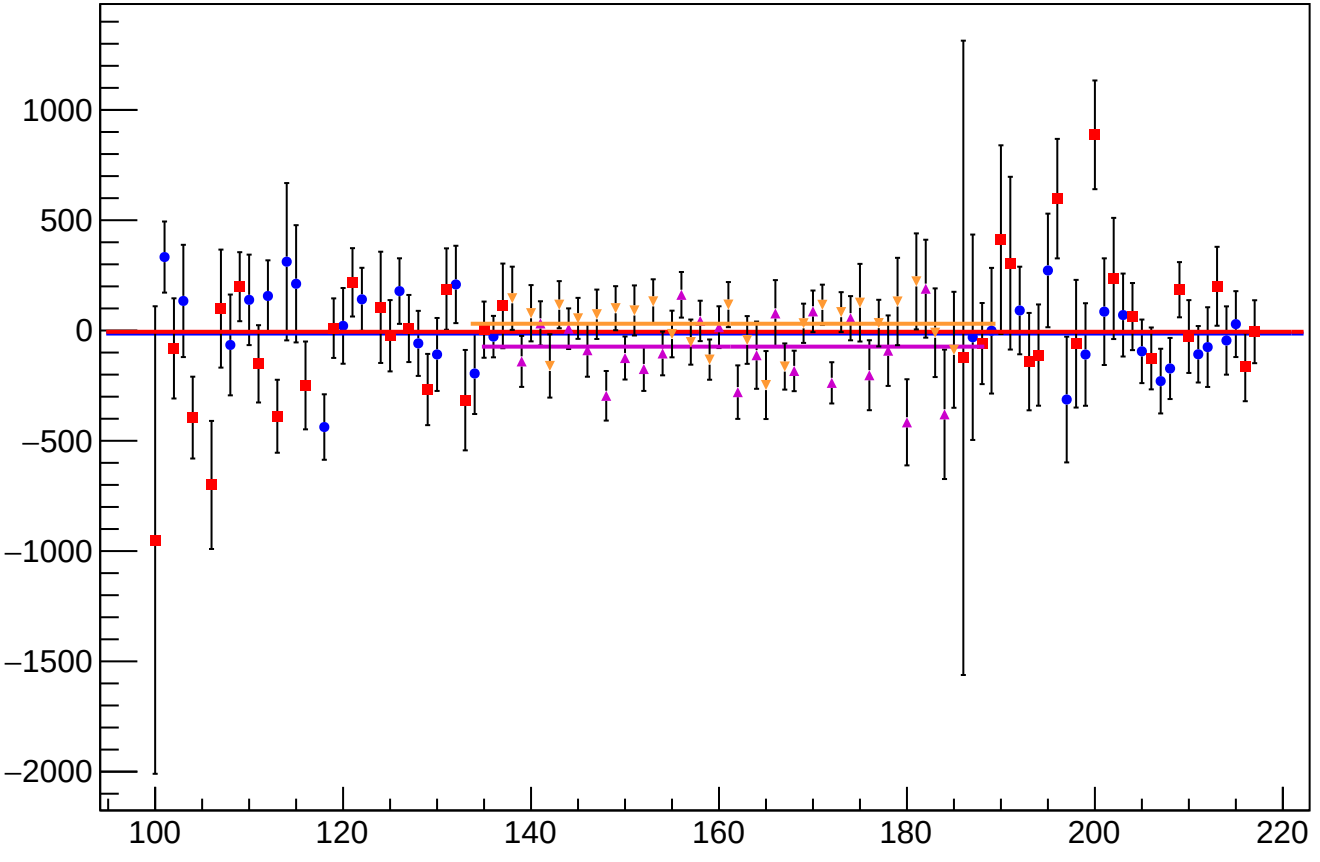
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 816.576+/-0.103 χ^2/NDF: 13656854.1/55

All: 822.485+/-0.073 χ^2/NDF: 28924464.0/11

- sign 828.660+/-0.105 χ^2/NDF: 15260852.6/58

dit_asym_sam_2468_avg_mean vs Slug



Right In: -13.724+/-30.904 χ^2/NDF: 30.0/30

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.806+/-31.114 χ^2/NDF: 55.5/35

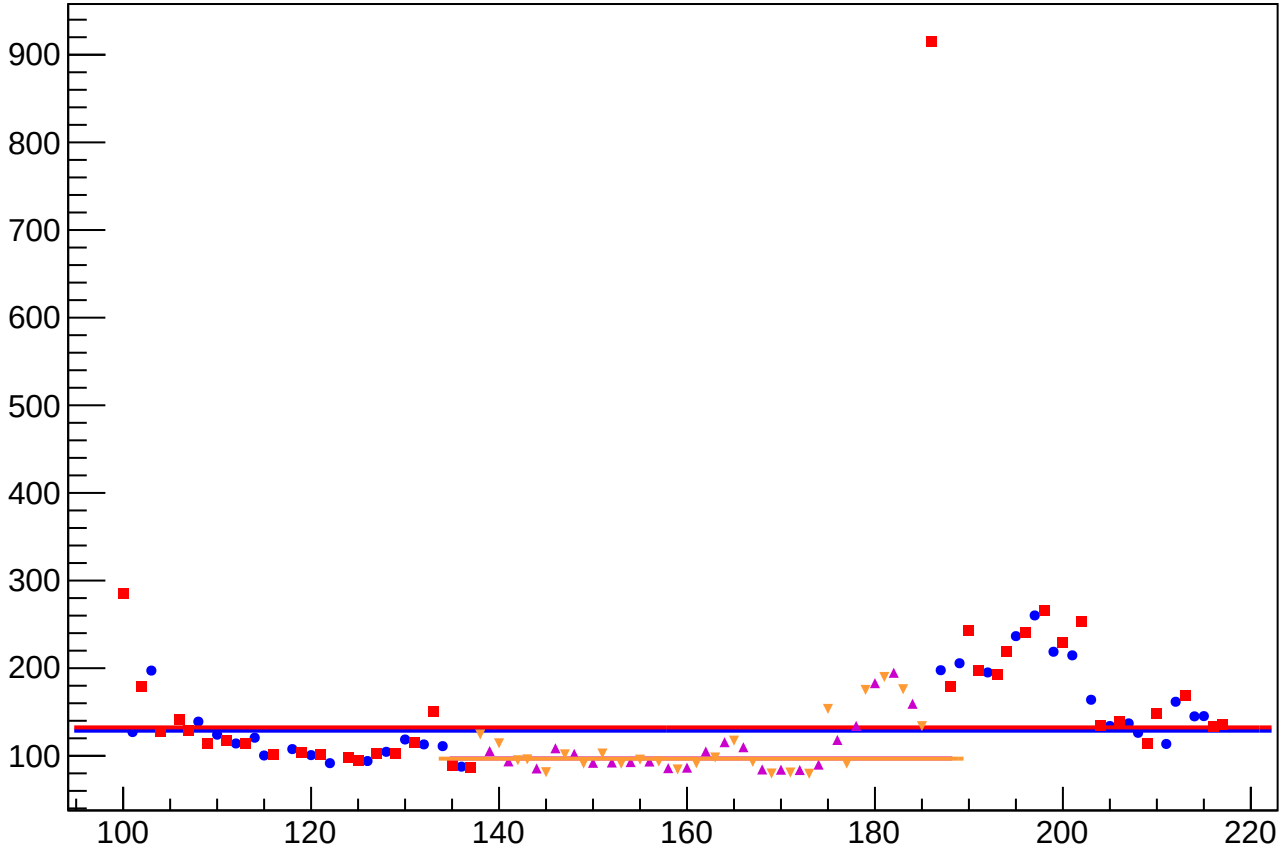
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 14.982+/-18.376 χ^2/NDF: 51.3/55

All: -16.191+/-13.127 χ^2/NDF: 150.2/114

- sign -48.672+/-18.757 χ^2/NDF: 93.0/58

dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.695+/-0.022 χ^2/NDF: 2969025.1/30

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.446+/-0.022 χ^2/NDF: 4019975.3/35

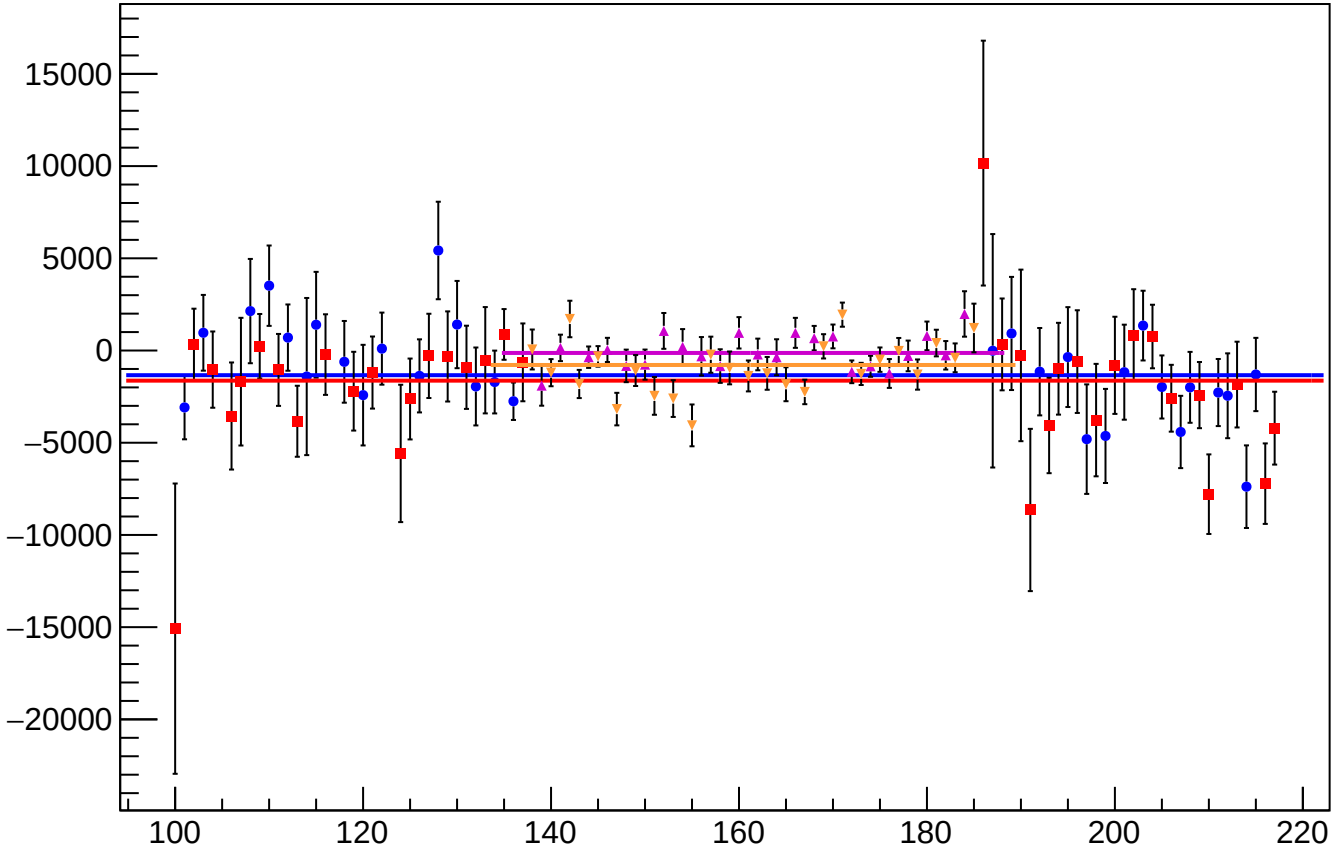
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 108.074+/-0.013 χ^2/NDF: 6067014.9/55

All: 108.965+/-0.009 χ^2/NDF: 13068535.0/11

- sign 109.893+/-0.013 χ^2/NDF: 6991914.9/58

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1337.924+/-376.081 χ^2/NDF: 38.0/30

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1633.107+/-379.824 χ^2/NDF: 41.2/35

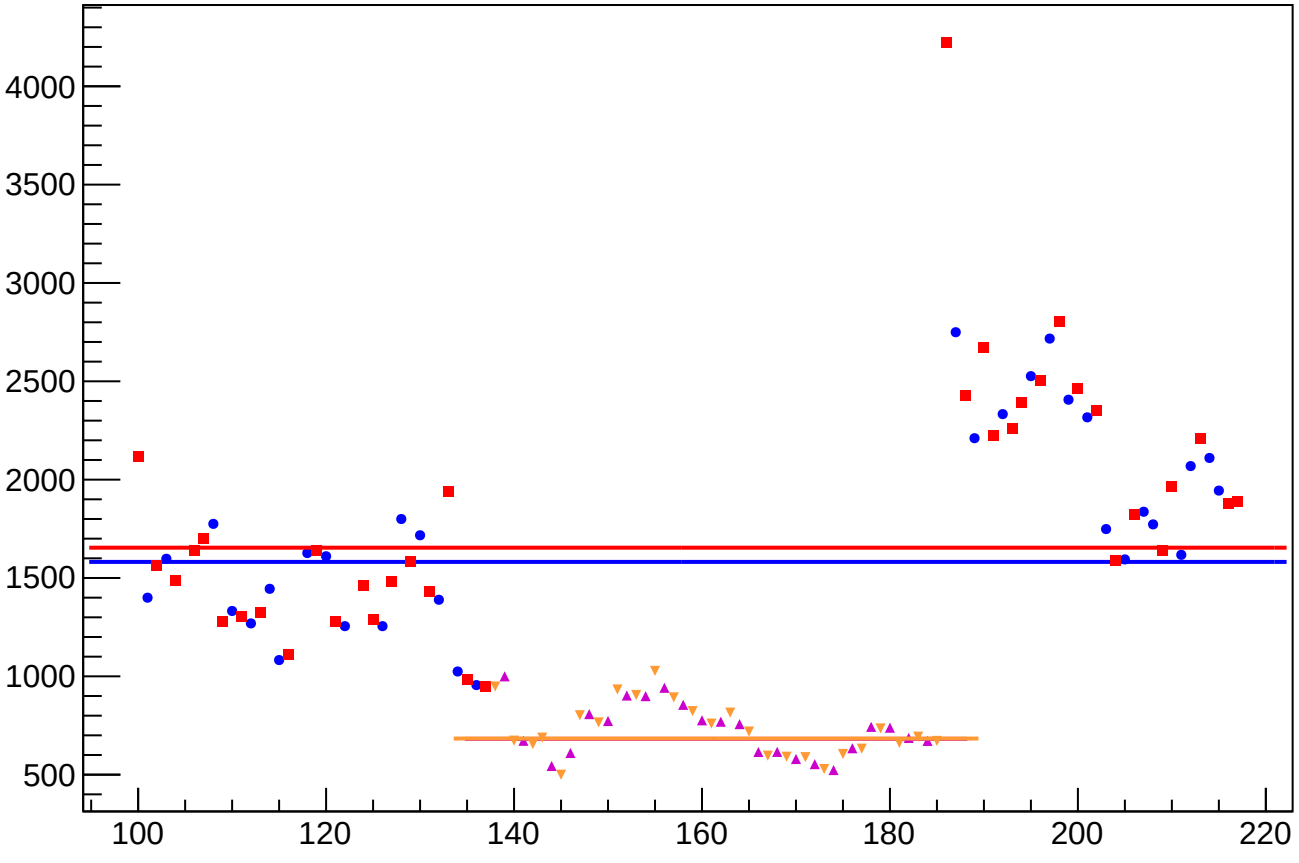
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -867.188+/-145.924 χ^2/NDF: 106.2/55

All: -621.158+/-104.368 χ^2/NDF: 190.7/114

- sign -363.507+/-149.331 χ^2/NDF: 78.6/58

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1581.771+/-0.266 χ^2/NDF: 2903583.7/30

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1654.115+/-0.269 χ^2/NDF: 3202403.7/35

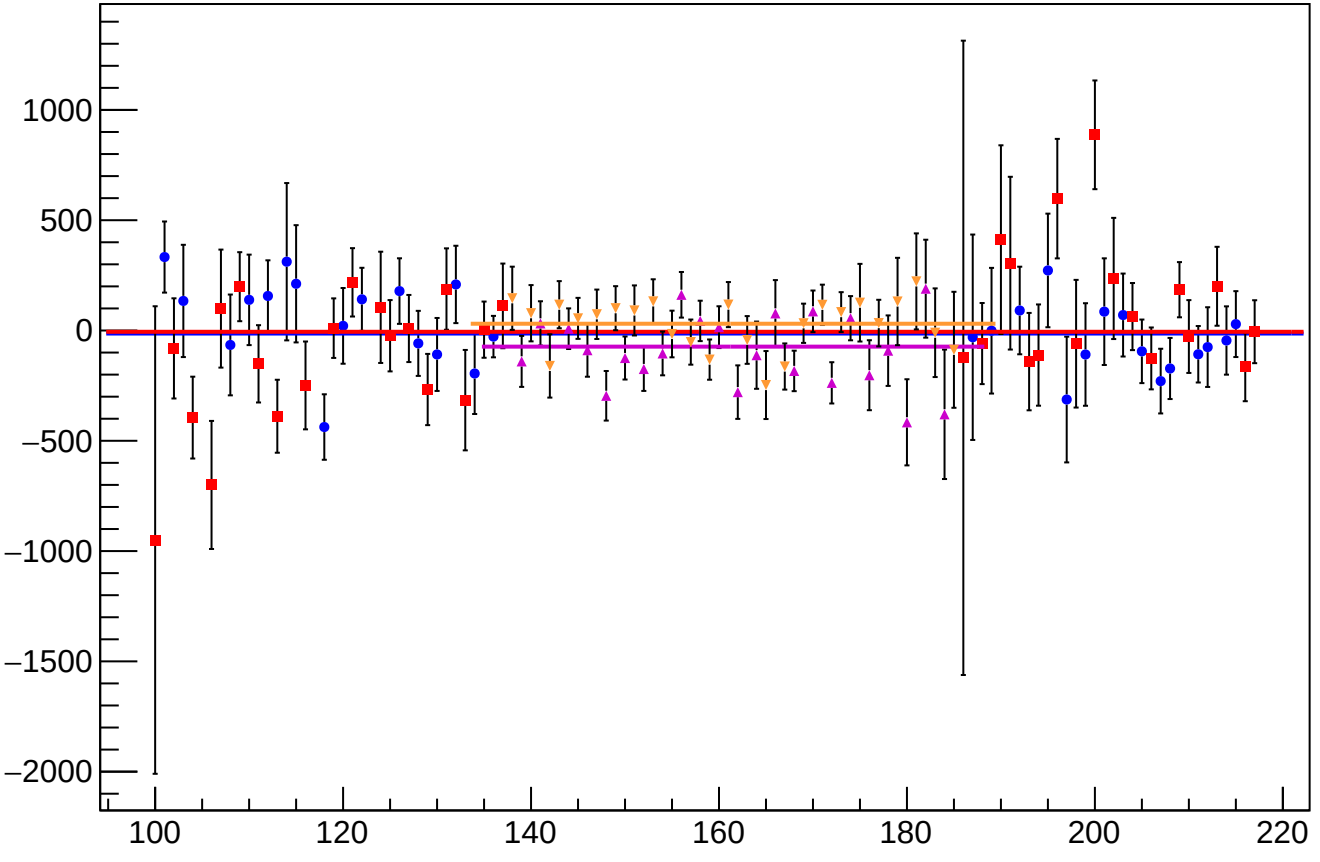
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 818.906+/-0.103 χ^2/NDF: 13889365.3/55

All: 825.415+/-0.074 χ^2/NDF: 29362773.8/11

- sign 832.230+/-0.106 χ^2/NDF: 15465263.5/58

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -13.721+/-30.903 χ^2/NDF: 30.0/30

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -5.804+/-31.113 χ^2/NDF: 55.5/35

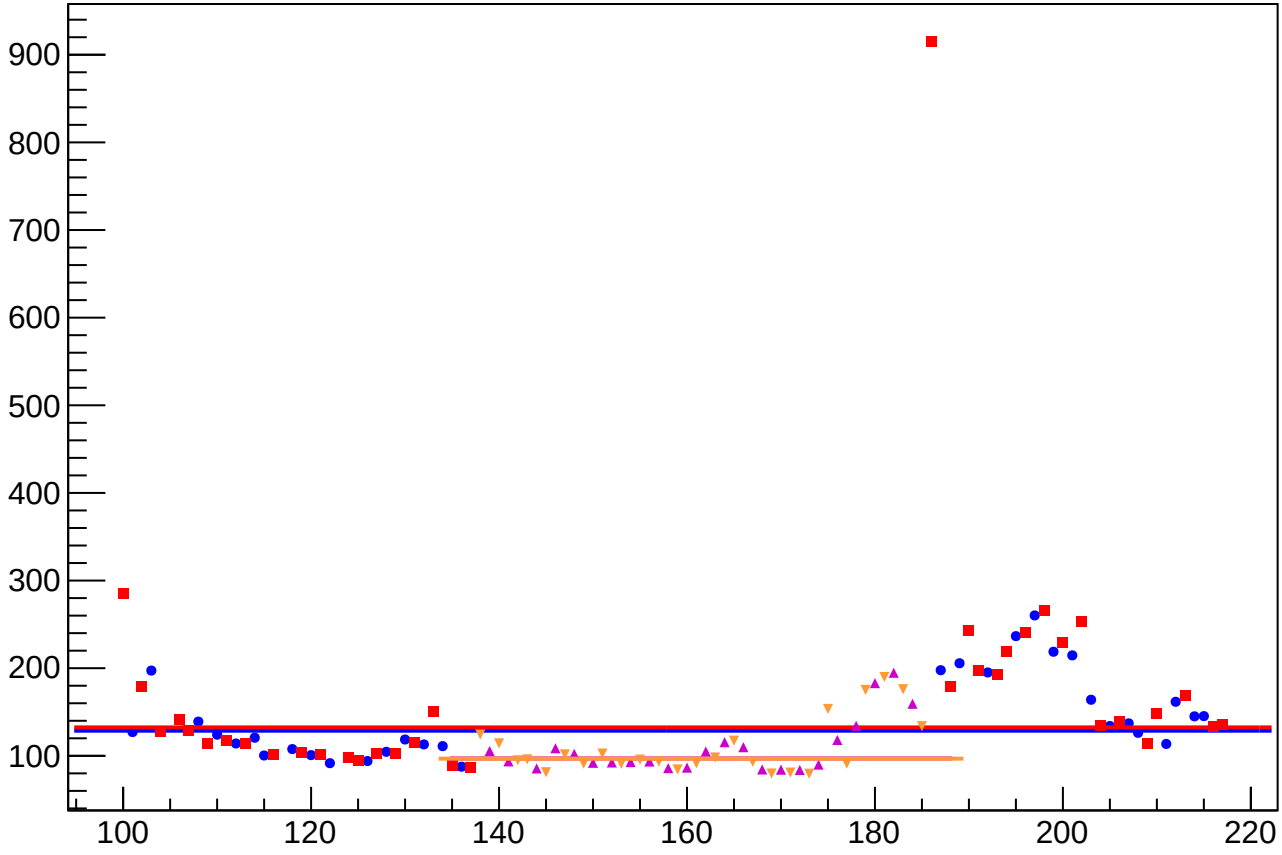
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 14.983+/-18.376 χ^2/NDF: 51.3/55

All: -16.190+/-13.127 χ^2/NDF: 150.2/114

- sign -48.670+/-18.757 χ^2/NDF: 93.0/58

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.694+/-0.022 χ^2/NDF: 2969043.3/30

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

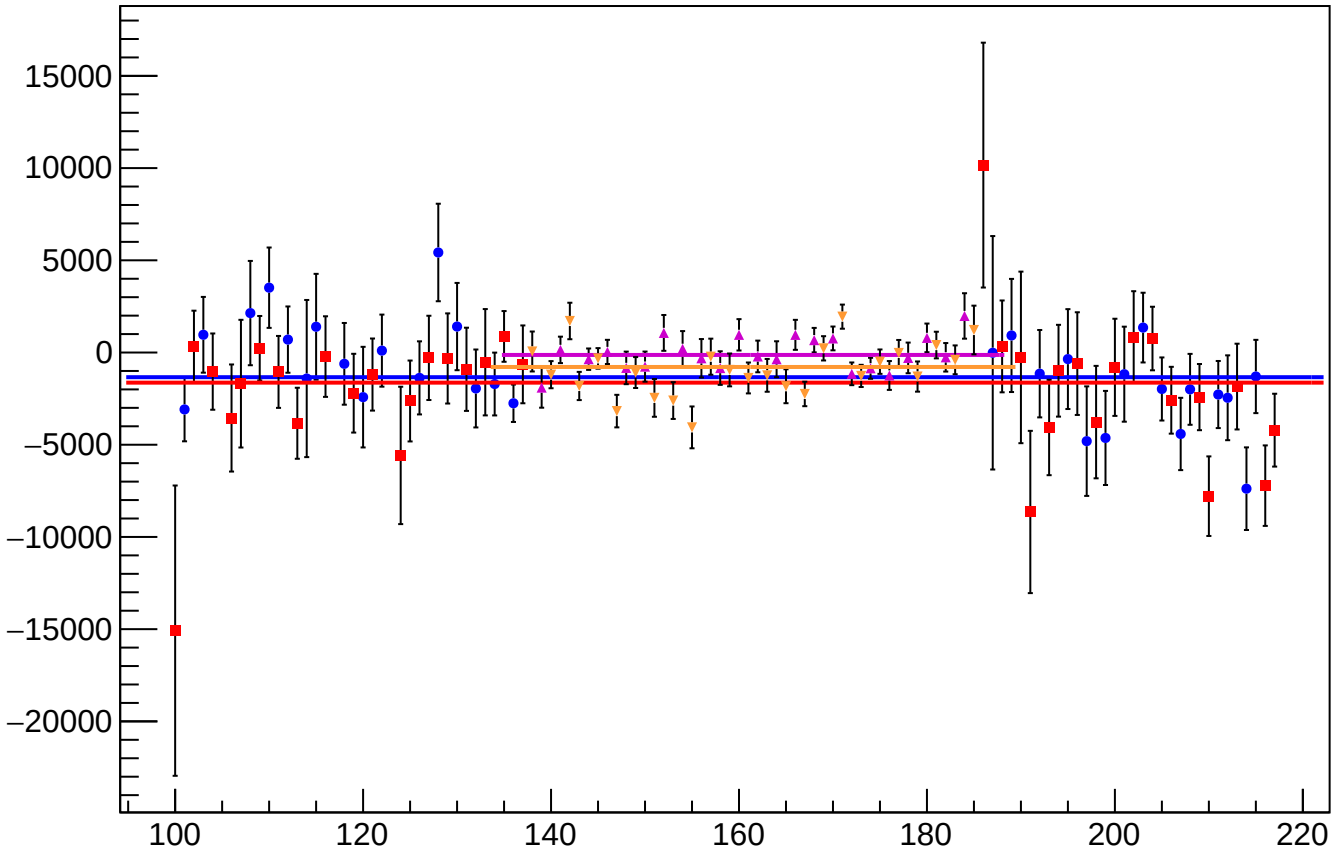
Right Out: 132.445+/-0.022 χ^2/NDF: 4020006.1/35

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 108.074+/-0.013 χ^2/NDF: 6066958.7/55

All: 108.965+/-0.009 χ^2/NDF: 13068421.7/11

- sign 109.894+/-0.013 χ^2/NDF: 6991857.3/58



Right In: -1337.918+/-376.081 χ^2/NDF: 38.0/30

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

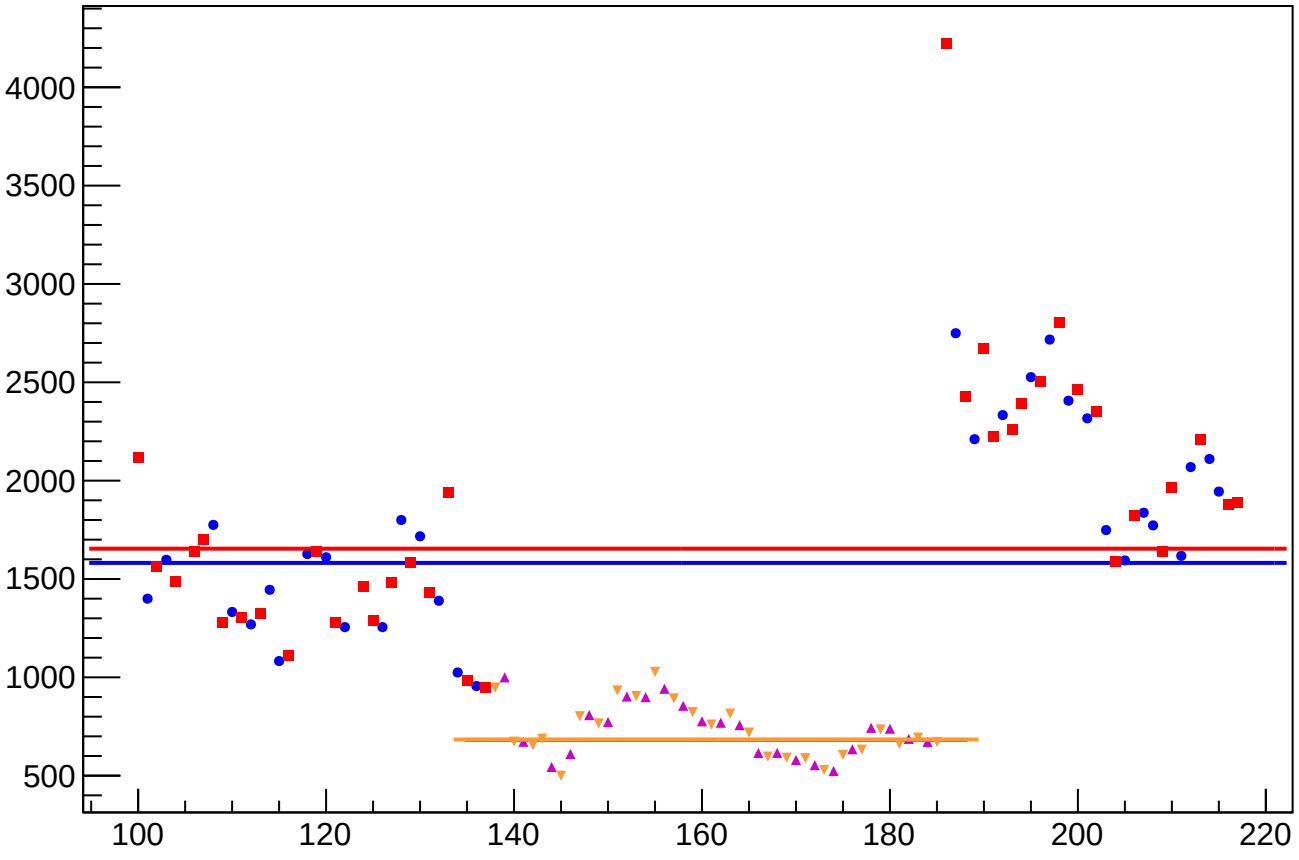
Right Out: -1633.103+/-379.823 χ^2/NDF: 41.2/35

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -867.185+/-145.924 χ^2/NDF: 106.2/55

All: -621.156+/-104.367 χ^2/NDF: 190.7/114

- sign -363.505+/-149.330 χ^2/NDF: 78.6/58



Right In: 1581.768+/-0.266 χ^2/NDF: 2903593.0/30

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1654.112+/-0.269 χ^2/NDF: 3202416.7/35

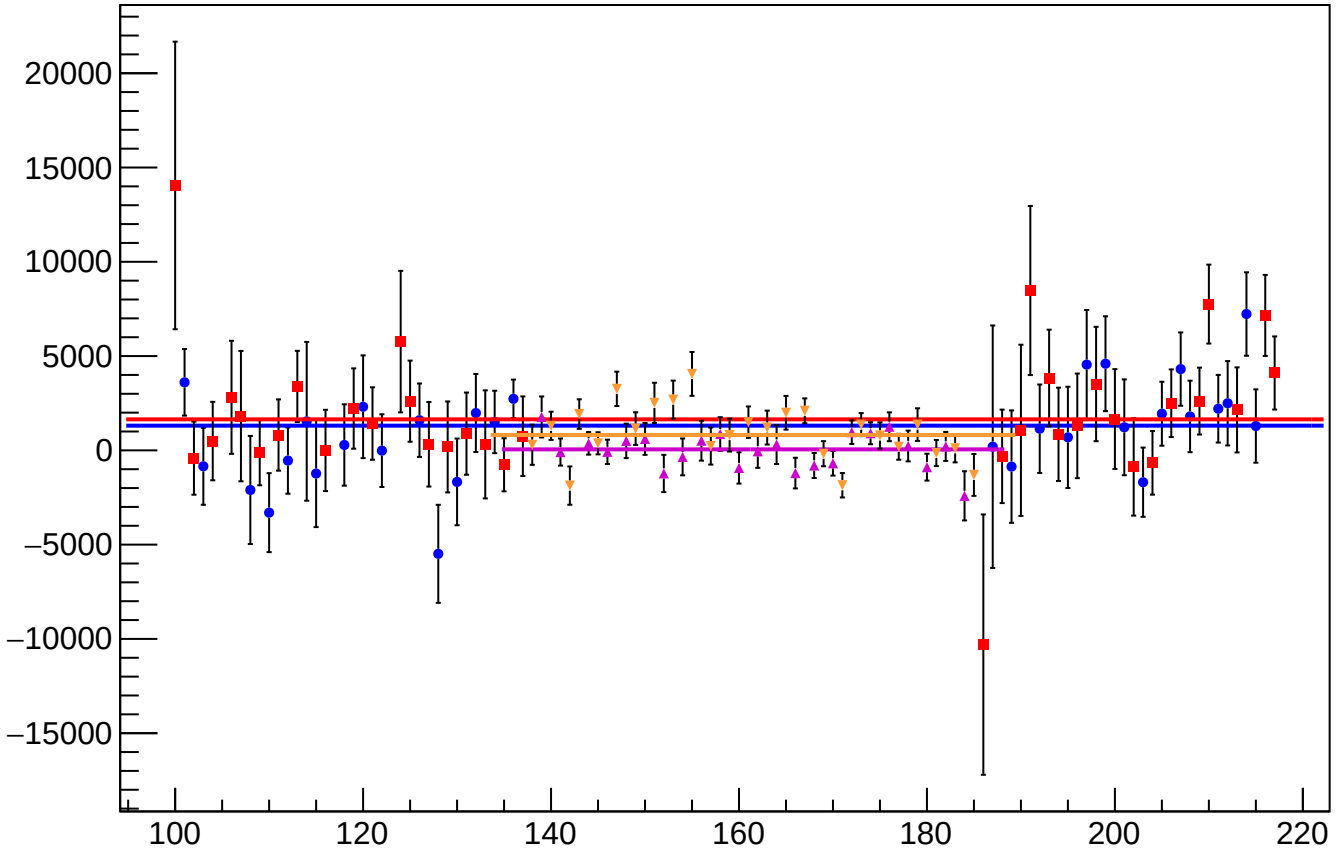
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 818.904+/-0.103 χ^2/NDF: 13889387.9/55

All: 825.413+/-0.074 χ^2/NDF: 29362818.5/11

- sign 832.228+/-0.106 χ^2/NDF: 15465285.7/58

asym_sam_2468_avg_mean vs Slug



Right In: 1309.858+/-371.364 χ^2/NDF: 39.0/30

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1644.681+/-376.681 χ^2/NDF: 39.9/35

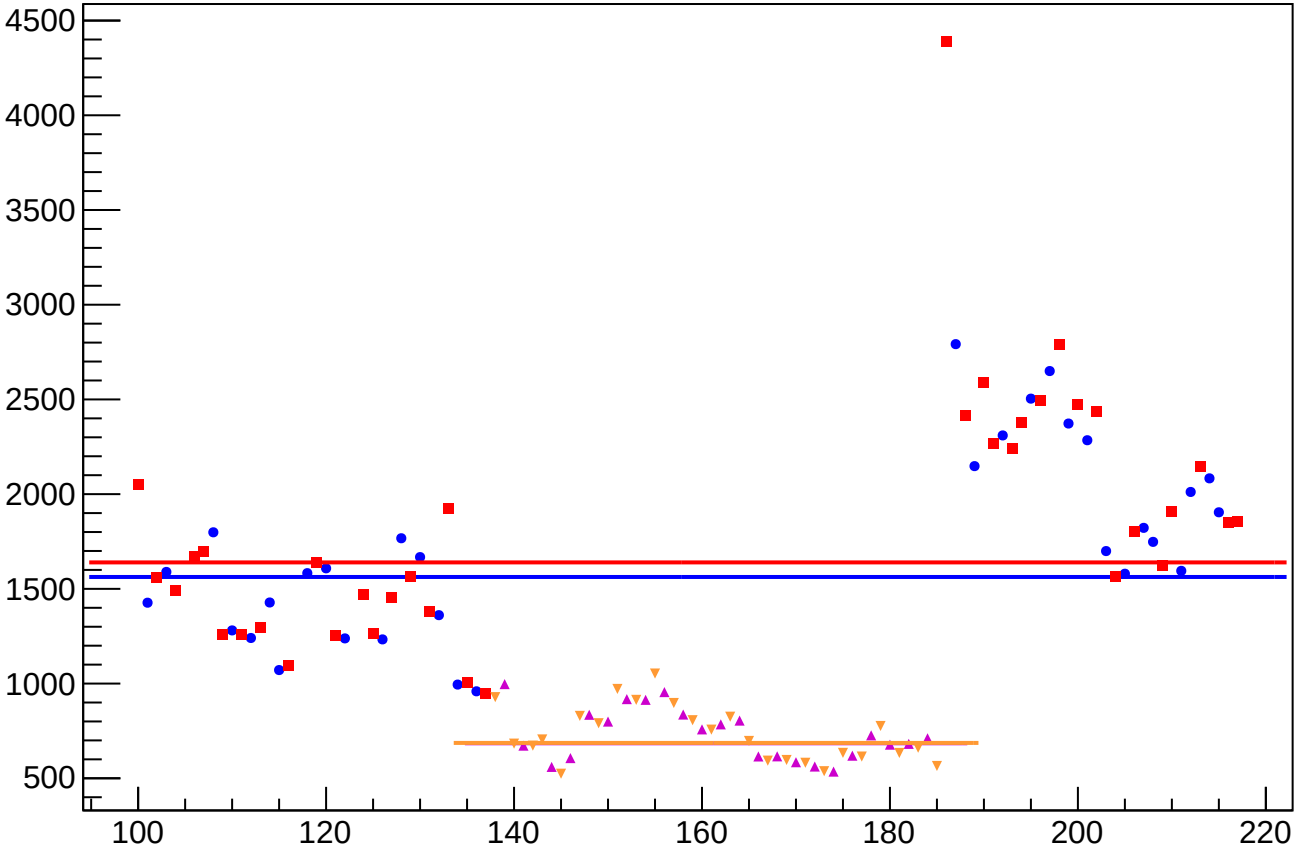
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 891.082+/-146.365 χ^2/NDF: 106.2/55

All: 603.773+/-104.628 χ^2/NDF: 194.4/114

- sign 303.534+/-149.622 χ^2/NDF: 80.3/58

asym_sam_2468_avg_rms vs Slug



Right In: 1562.735+/-0.263 χ^2/NDF: 2847145.3/30

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

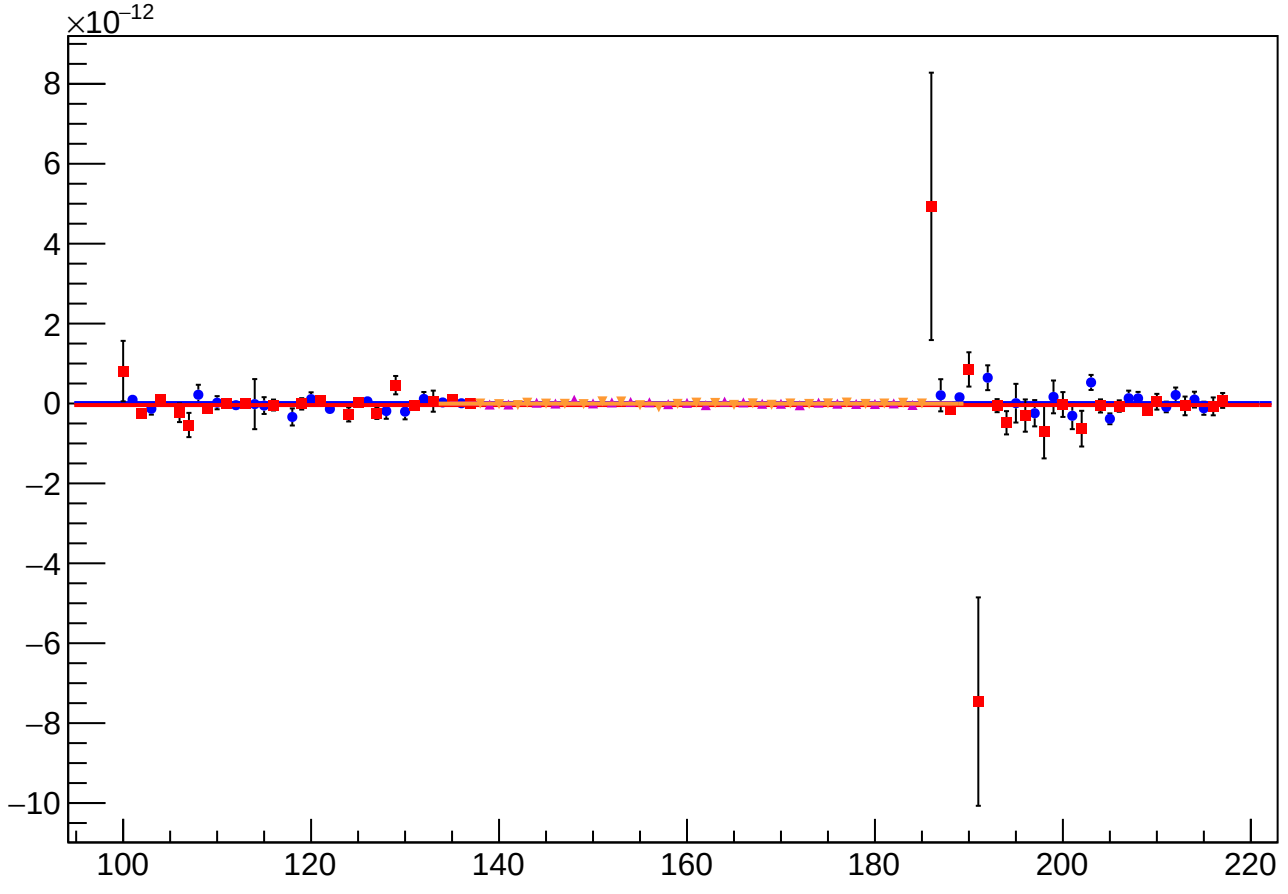
Right Out: 1639.624+/-0.266 χ^2/NDF: 3210706.7/35

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 822.781+/-0.103 χ^2/NDF: 13559991.6/55

All: 828.961+/-0.074 χ^2/NDF: 28767234.8/11

- sign 835.419+/-0.106 χ^2/NDF: 15199951.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 38.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.5/35

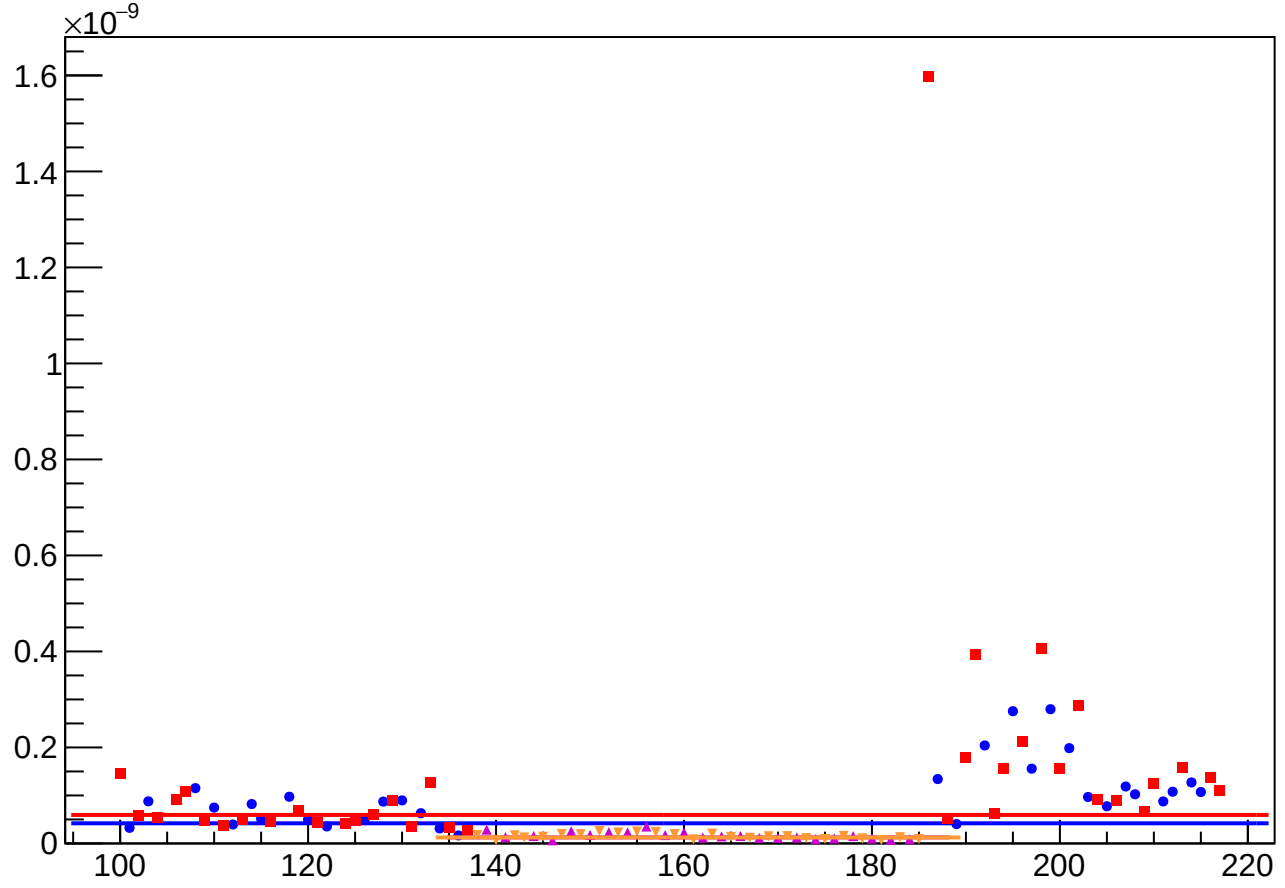
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/55

All: -0.000+/-0.000 χ^2/NDF: 126.9/114

- sign -0.000+/-0.000 χ^2/NDF: 71.5/58

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6985336.4/30

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

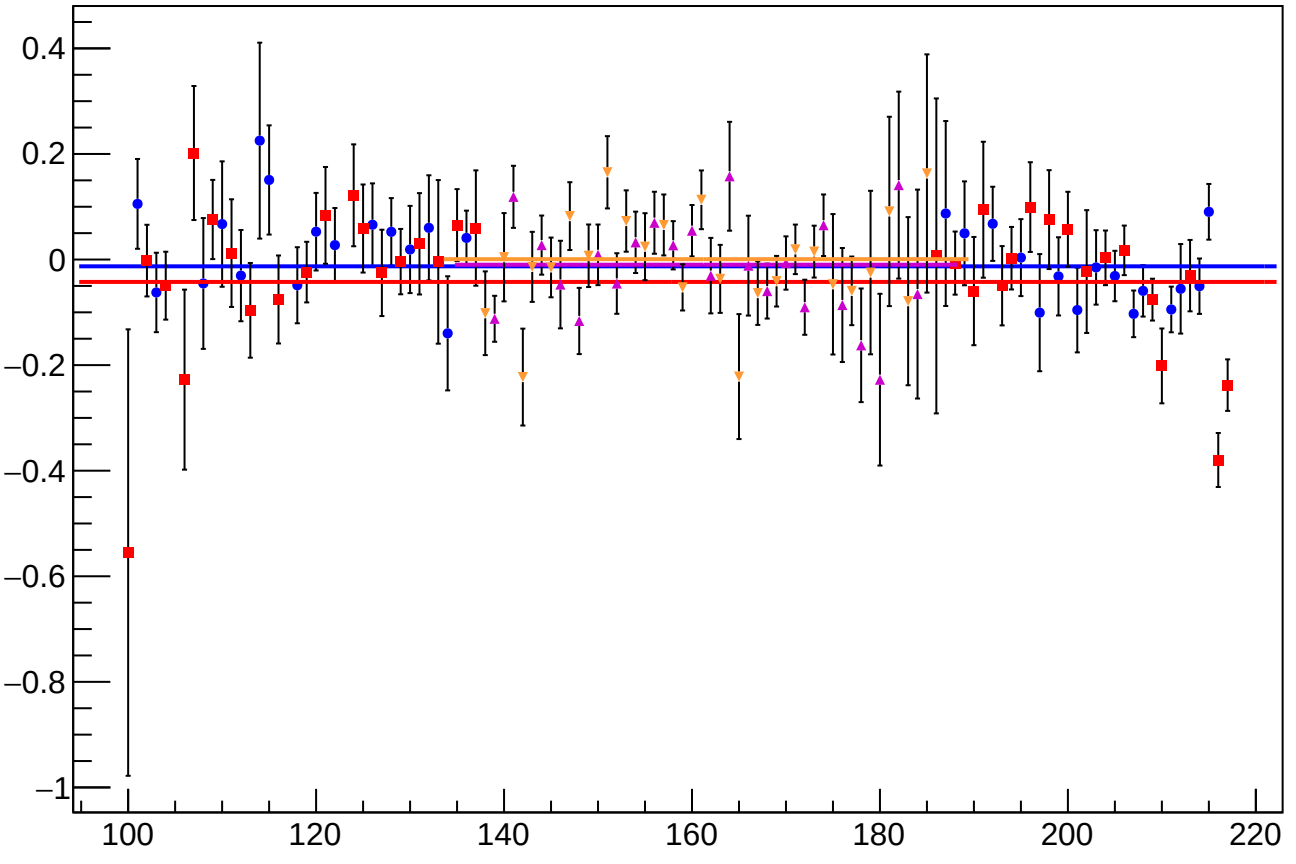
Right Out: 0.000+/-0.000 χ^2/NDF: 4607272.2/35

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12884033.1/55

All: 0.000+/-0.000 χ^2/NDF: 26459226.0/114

- sign 0.000+/-0.000 χ^2/NDF: 13568479.3/58



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

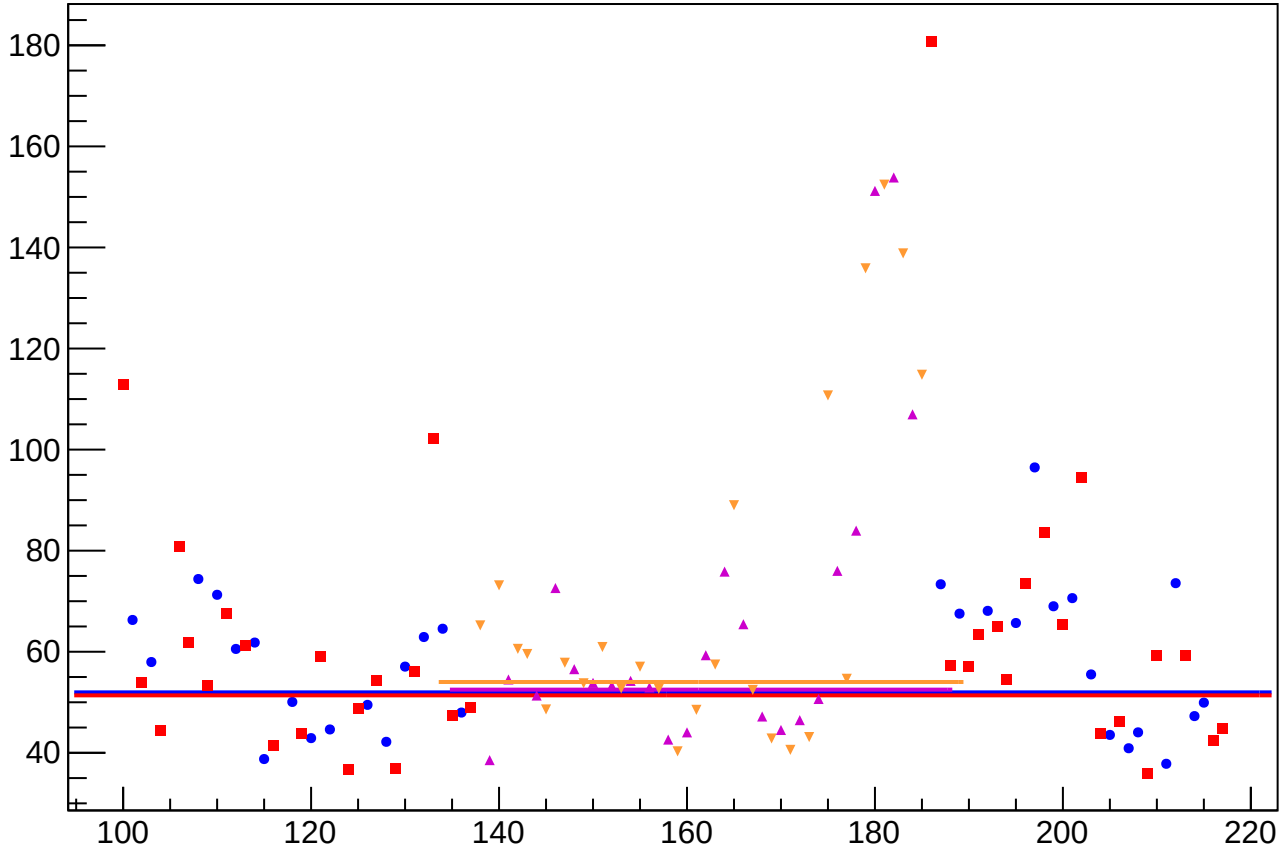
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.006+/-0.009 χ^2/NDF: 63.1/55

All: -0.017+/-0.006 χ^2/NDF: 198.0/114

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.961+/-0.009 χ^2/NDF: 1818703.9/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

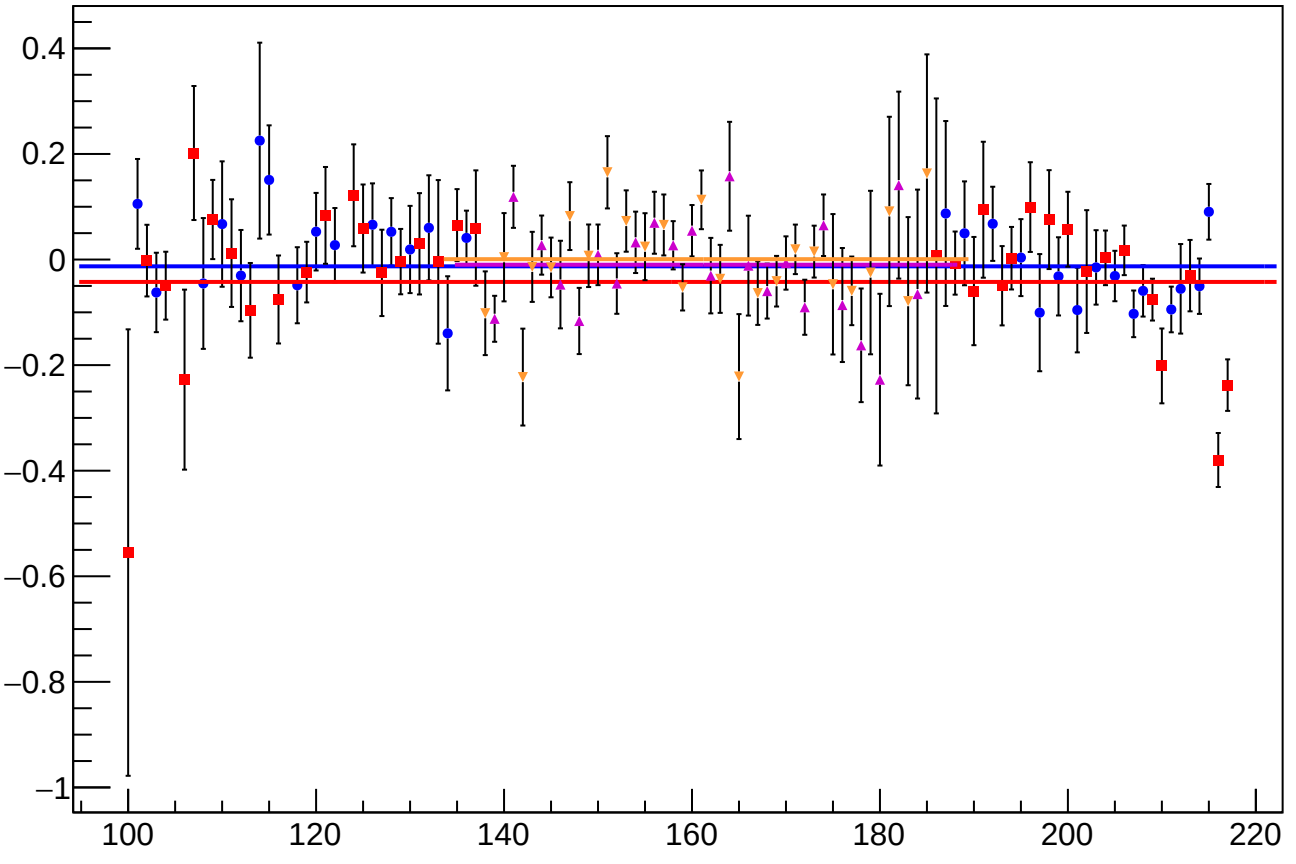
Right Out: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.935+/-0.006 χ^2/NDF: 5071536.4/55

All: 52.403+/-0.005 χ^2/NDF: 10070595.5/114

- sign 51.889+/-0.006 χ^2/NDF: 4985661.7/58



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

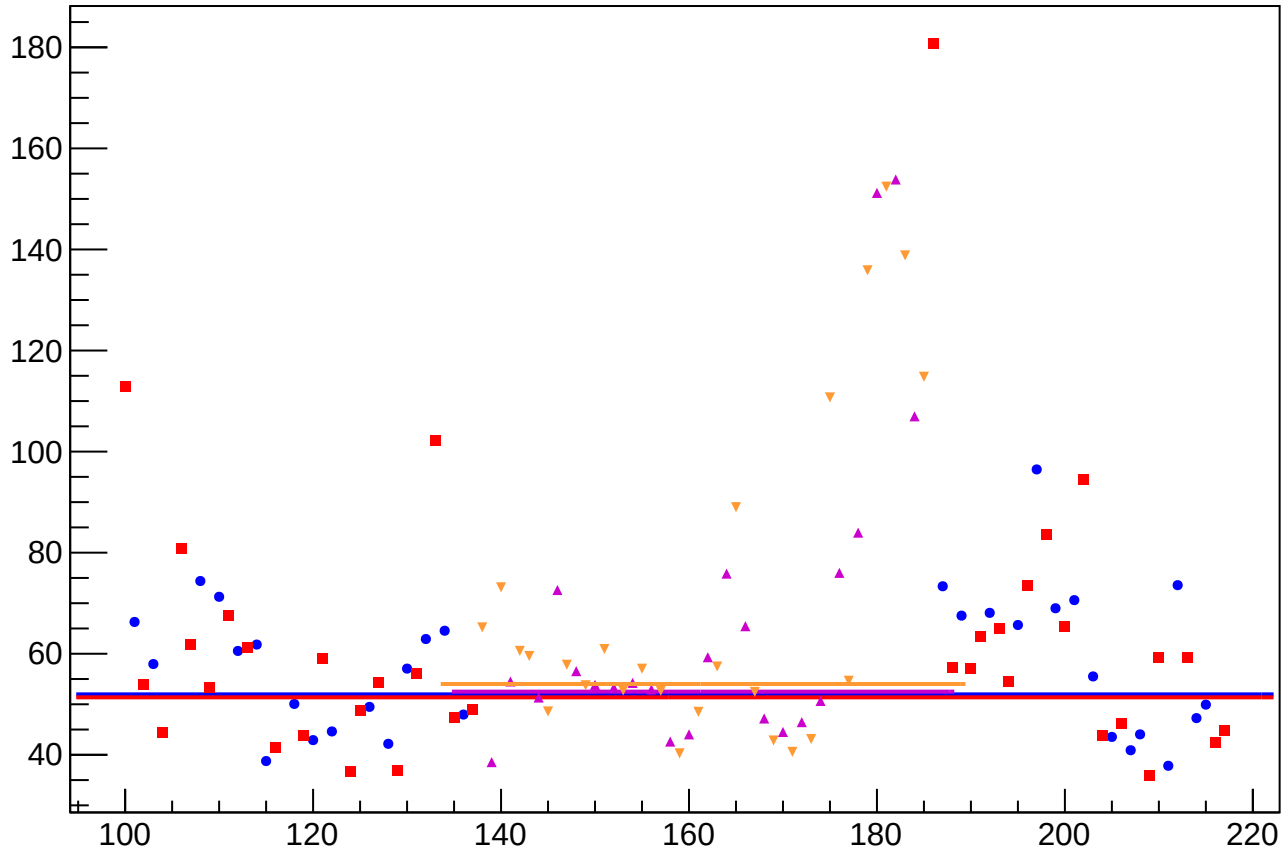
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.006+/-0.009 χ^2/NDF: 63.1/55

All: -0.017+/-0.006 χ^2/NDF: 198.0/114

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.961+/-0.009 χ^2/NDF: 1818703.9/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

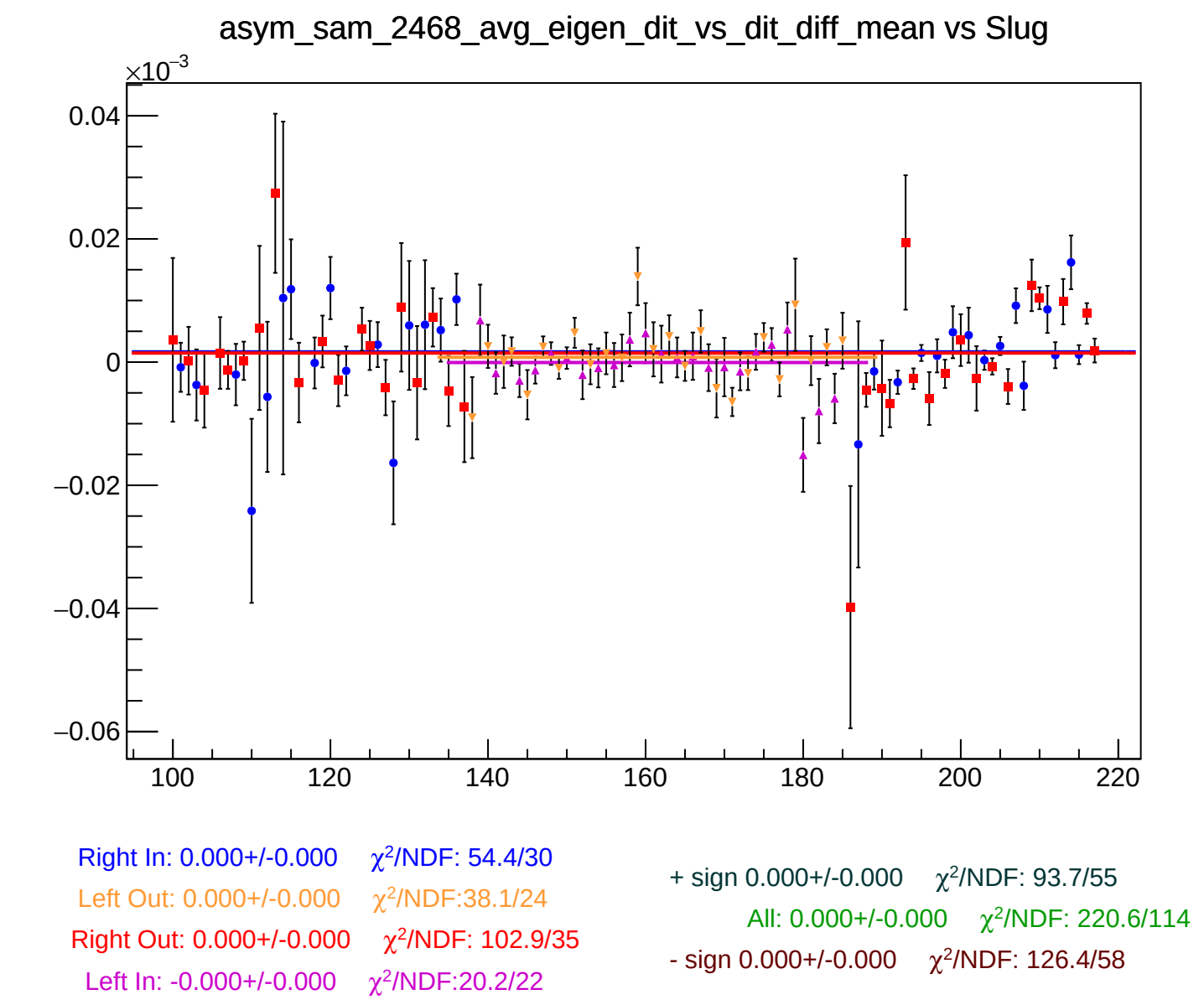
Right Out: 51.370+/-0.009 χ^2/NDF: 2419962.7/35

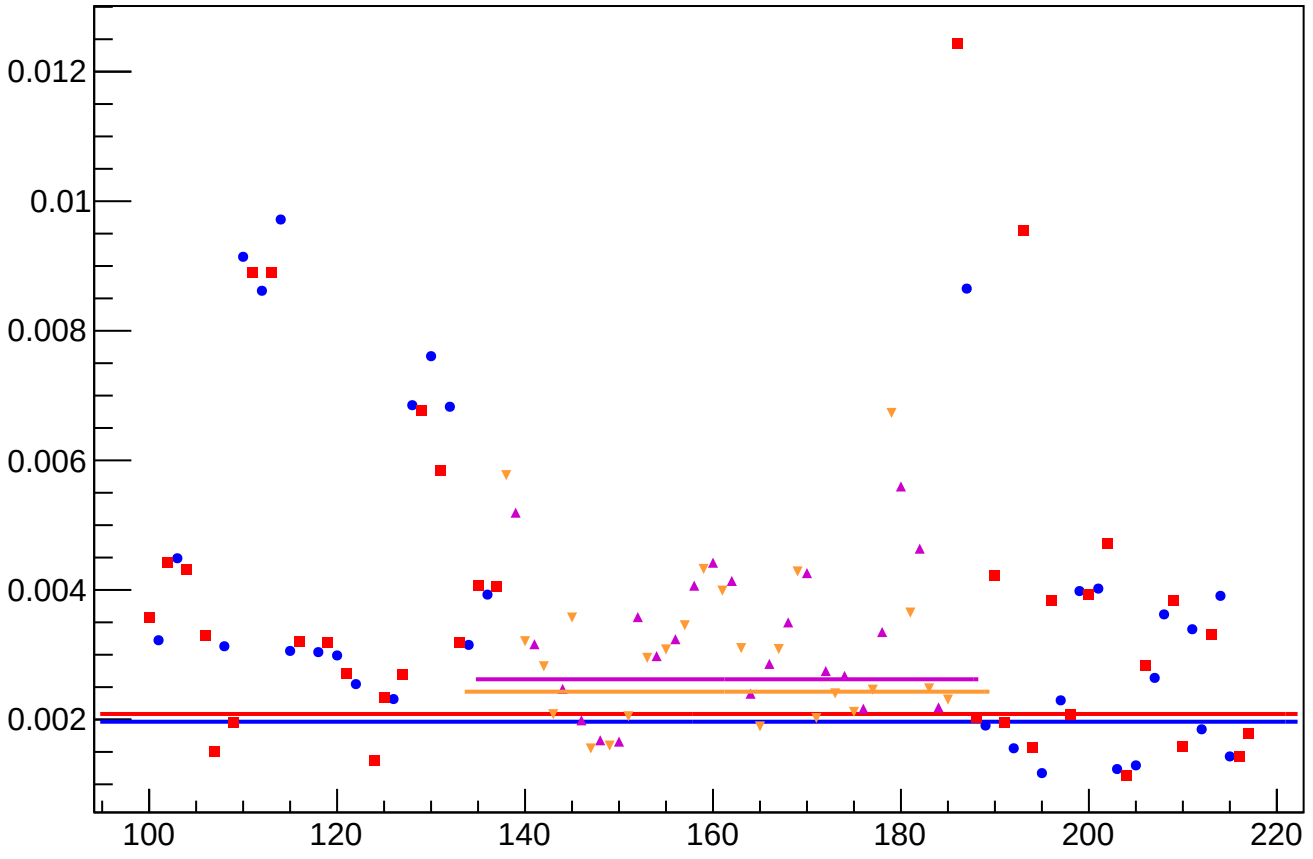
Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.935+/-0.006 χ^2/NDF: 5071536.4/55

All: 52.403+/-0.005 χ^2/NDF: 10070595.5/114

- sign 51.889+/-0.006 χ^2/NDF: 4985661.7/58


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 54.4/30
Left Out: 0.000+/-0.000 χ²/NDF:38.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 102.9/35
Left In: -0.000+/-0.000 χ²/NDF:20.2/22
+ sign 0.000+/-0.000 χ²/NDF: 93.7/55
All: 0.000+/-0.000 χ²/NDF: 220.6/114
- sign 0.000+/-0.000 χ²/NDF: 126.4/58



Right In: 0.002+/-0.000 χ^2/NDF: 8461101.2/30

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

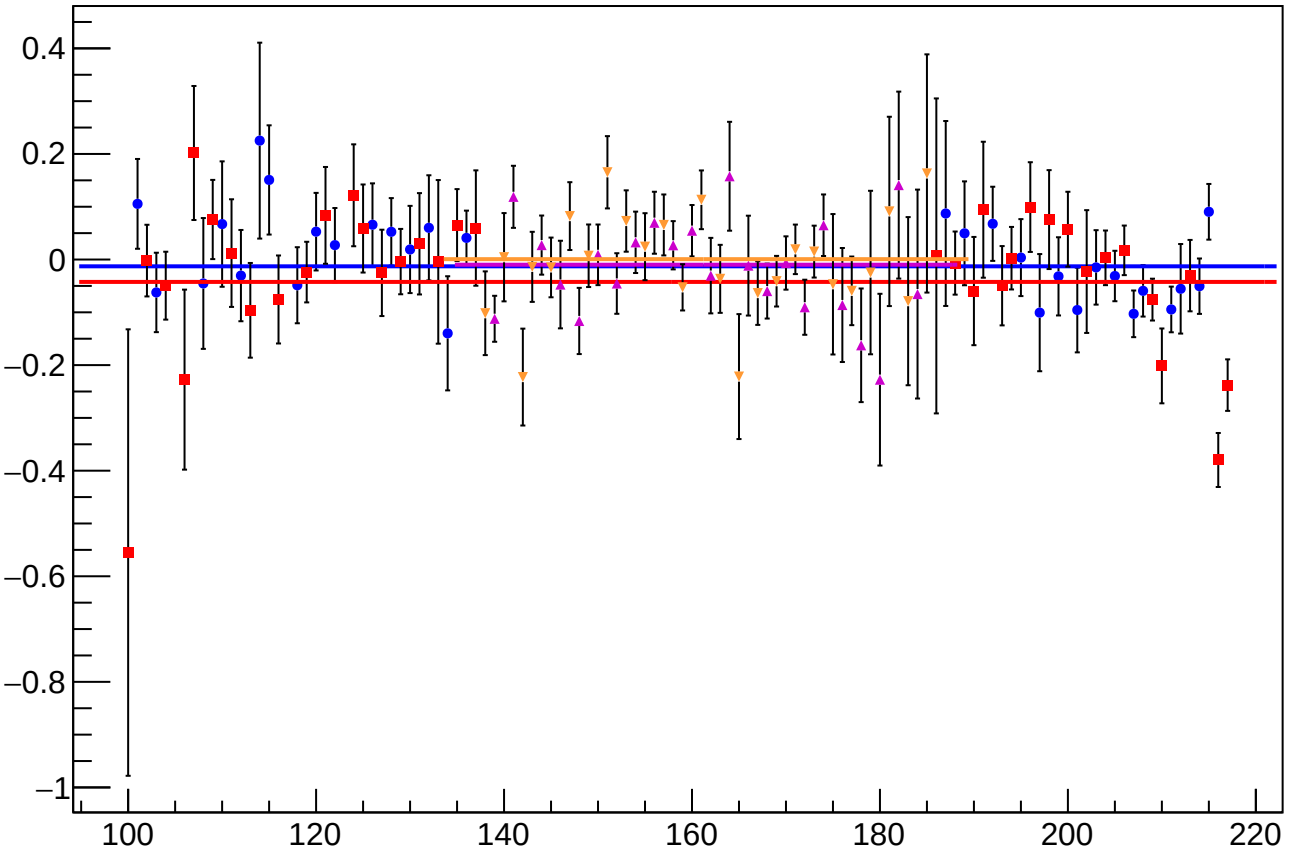
Right Out: 0.002+/-0.000 χ^2/NDF: 8791166.1/35

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13362715.7/55

All: 0.002+/-0.000 χ^2/NDF: 26996001.5/114

- sign 0.002+/-0.000 χ^2/NDF: 13535745.6/58



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

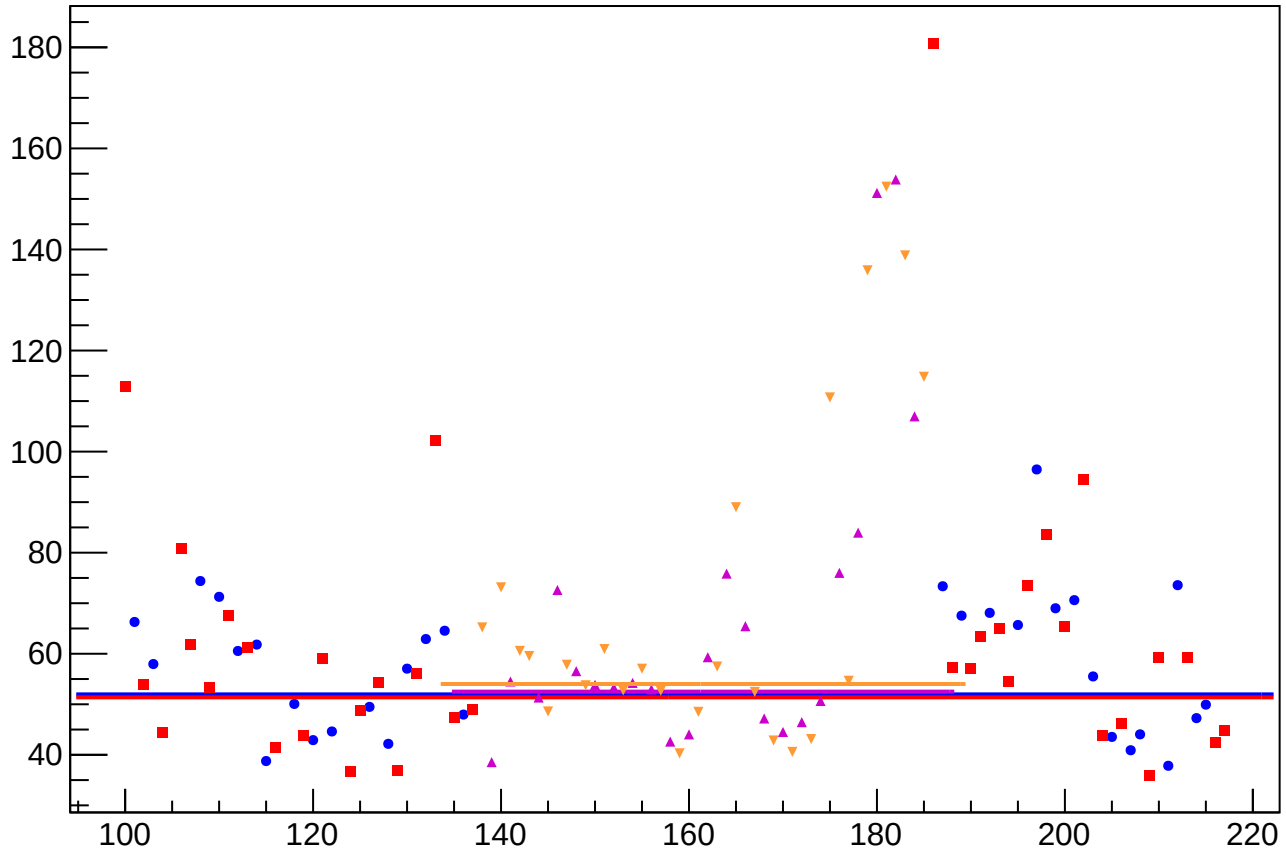
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.006+/-0.009 χ^2/NDF: 63.1/55

All: -0.017+/-0.006 χ^2/NDF: 198.0/114

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.960+/-0.009 χ^2/NDF: 1818625.2/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

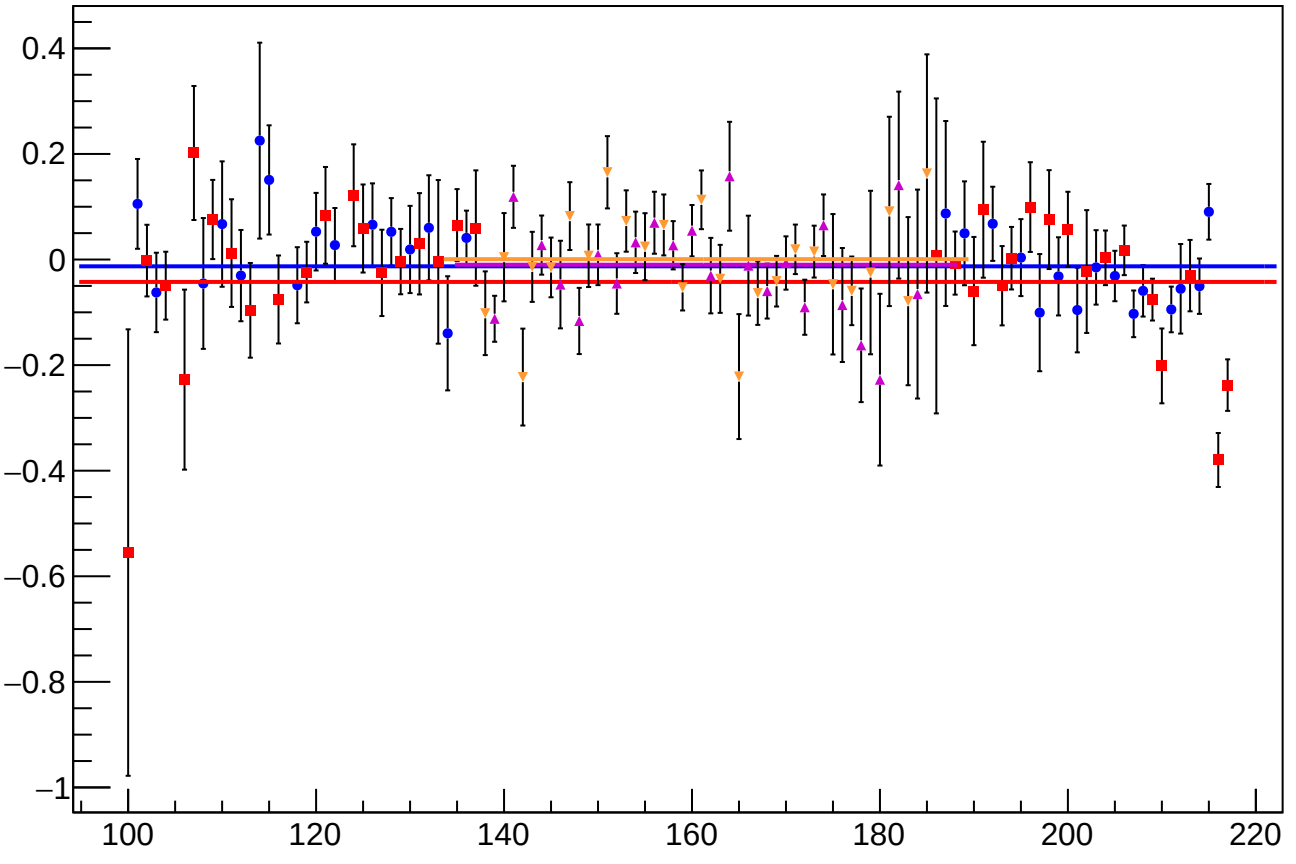
Right Out: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.935+/-0.006 χ^2/NDF: 5071499.5/55

All: 52.403+/-0.005 χ^2/NDF: 10070535.1/114

- sign 51.889+/-0.006 χ^2/NDF: 4985641.3/58



Right In: -0.013+/-0.013 χ^2/NDF: 30.9/30

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

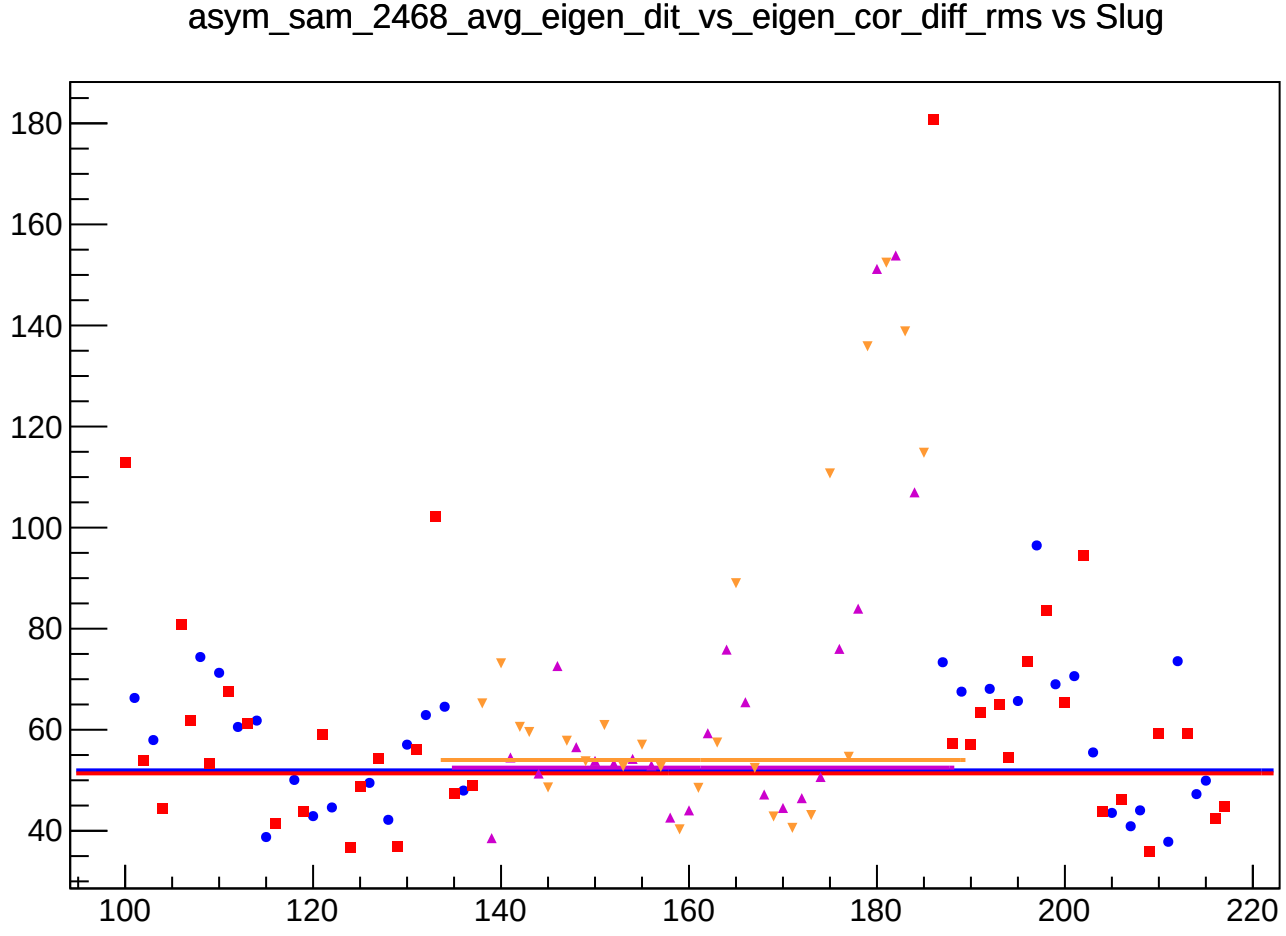
Right Out: -0.042+/-0.012 χ^2/NDF: 97.0/35

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.006+/-0.009 χ^2/NDF: 63.1/55

All: -0.017+/-0.006 χ^2/NDF: 198.0/114

- sign -0.027+/-0.009 χ^2/NDF: 132.2/58



Right In: 51.960+/-0.009 χ^2/NDF: 1818625.2/30

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

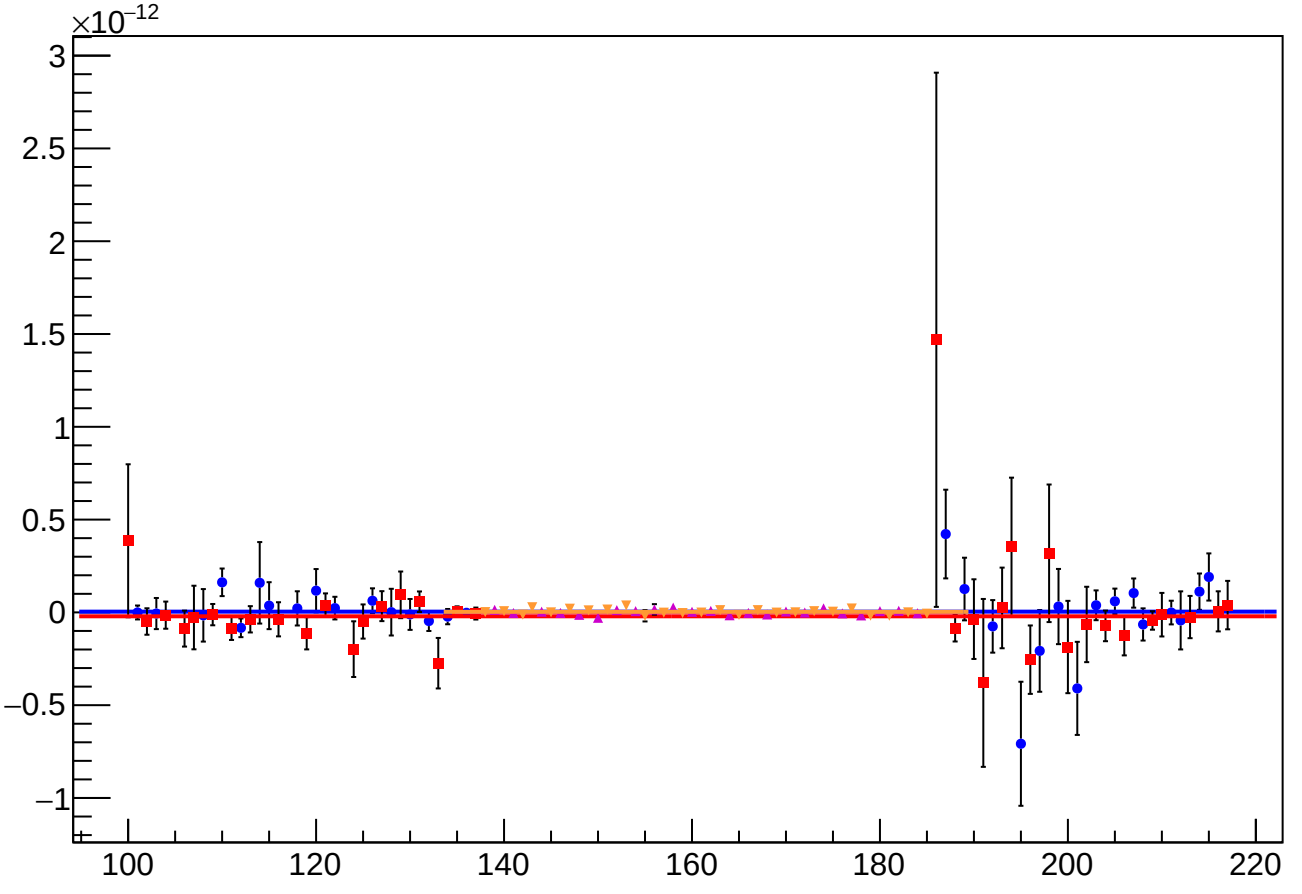
Right Out: 51.370+/-0.009 χ^2/NDF: 2419891.9/35

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.935+/-0.006 χ^2/NDF: 5071499.5/55

All: 52.403+/-0.005 χ^2/NDF: 10070535.1/114

- sign 51.889+/-0.006 χ^2/NDF: 4985641.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

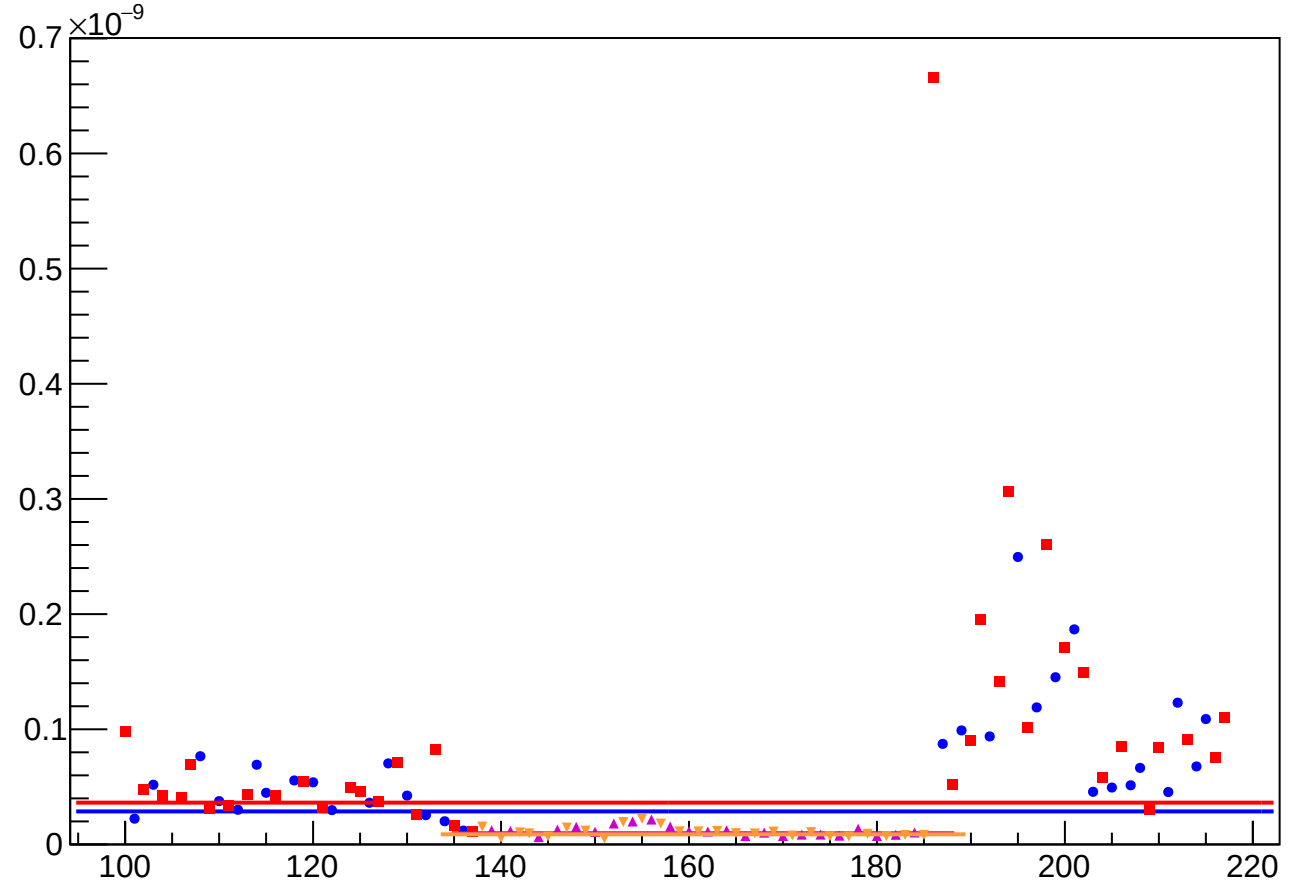
Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/35

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/55

All: 0.000+/-0.000 χ^2/NDF: 92.9/114

- sign 0.000+/-0.000 χ^2/NDF: 40.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 9565841.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9872059.8/35

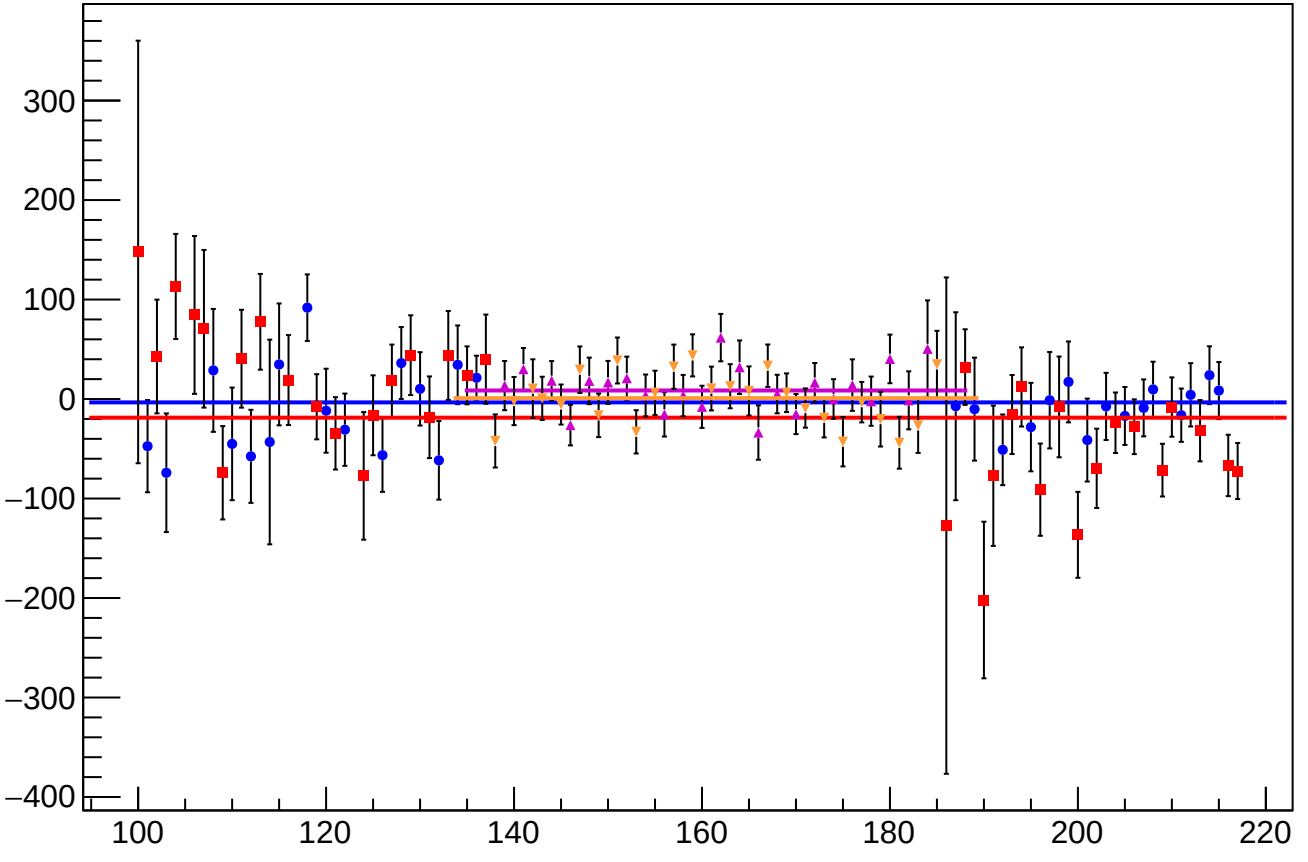
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18245638.7/55

All: 0.000+/-0.000 χ^2/NDF: 38699933.3/114

- sign 0.000+/-0.000 χ^2/NDF: 20287279.0/58

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.372+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.742+/-6.718 χ^2/NDF: 59.7/35

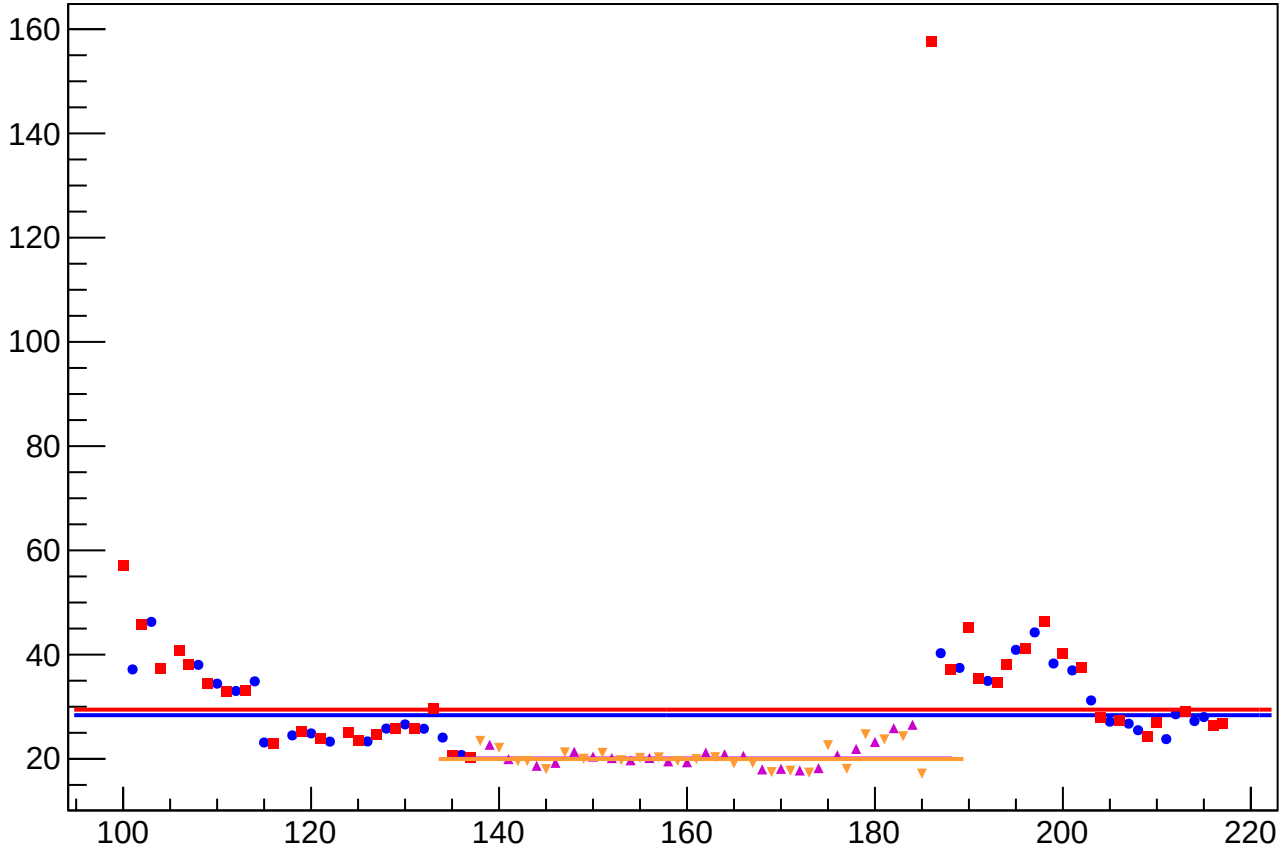
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.462+/-3.768 χ^2/NDF: 56.0/55

All: -0.454+/-2.698 χ^2/NDF: 146.1/114

- sign -0.446+/-3.864 χ^2/NDF: 90.1/58

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.379+/-0.005 χ^2/NDF: 1615410.7/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

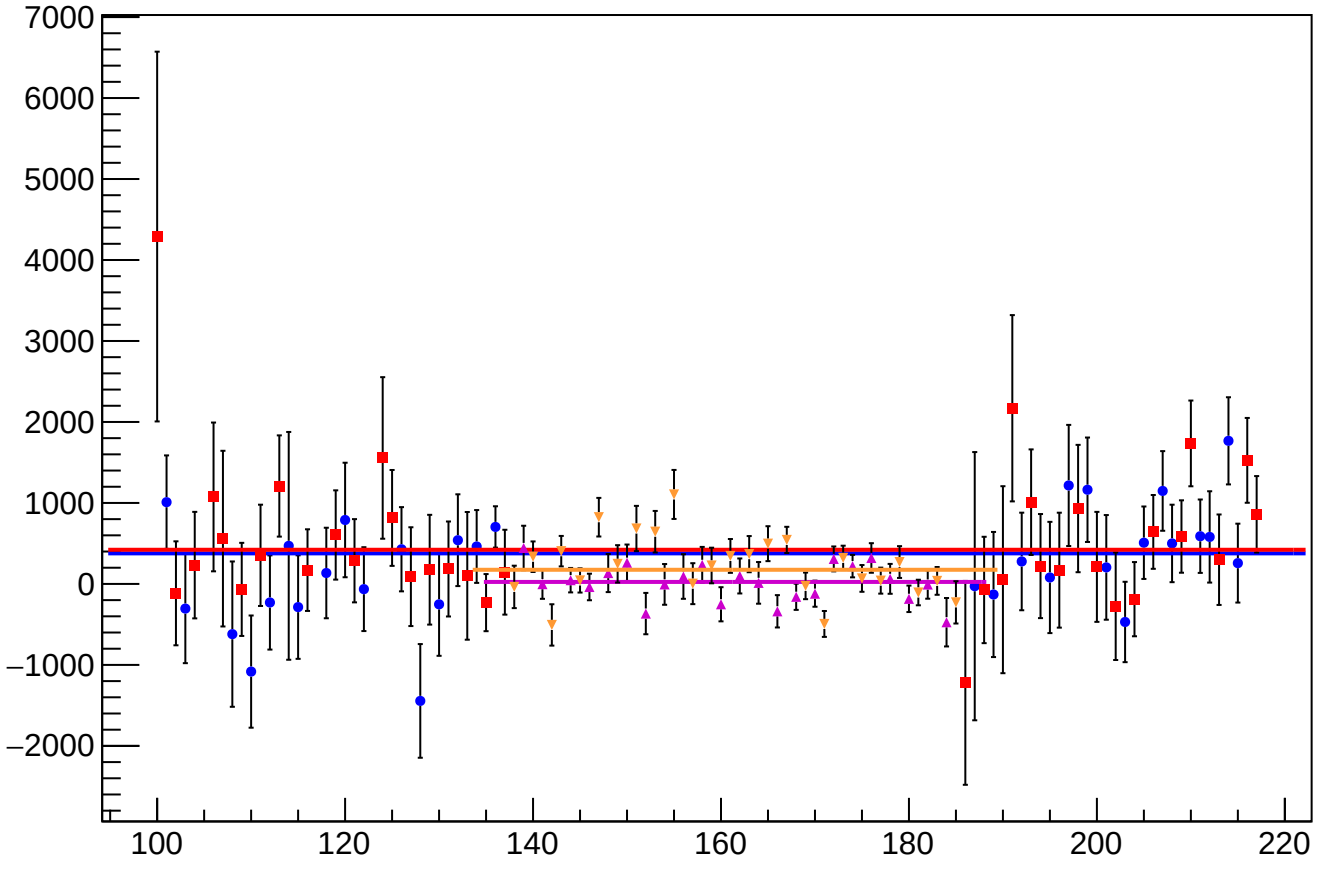
Right Out: 29.447+/-0.005 χ^2/NDF: 2389652.3/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.672+/-0.003 χ^2/NDF: 4175972.0/55

All: 22.917+/-0.002 χ^2/NDF: 9490952.5/114

- sign 23.174+/-0.003 χ^2/NDF: 5297689.7/58



Right In: 377.222+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

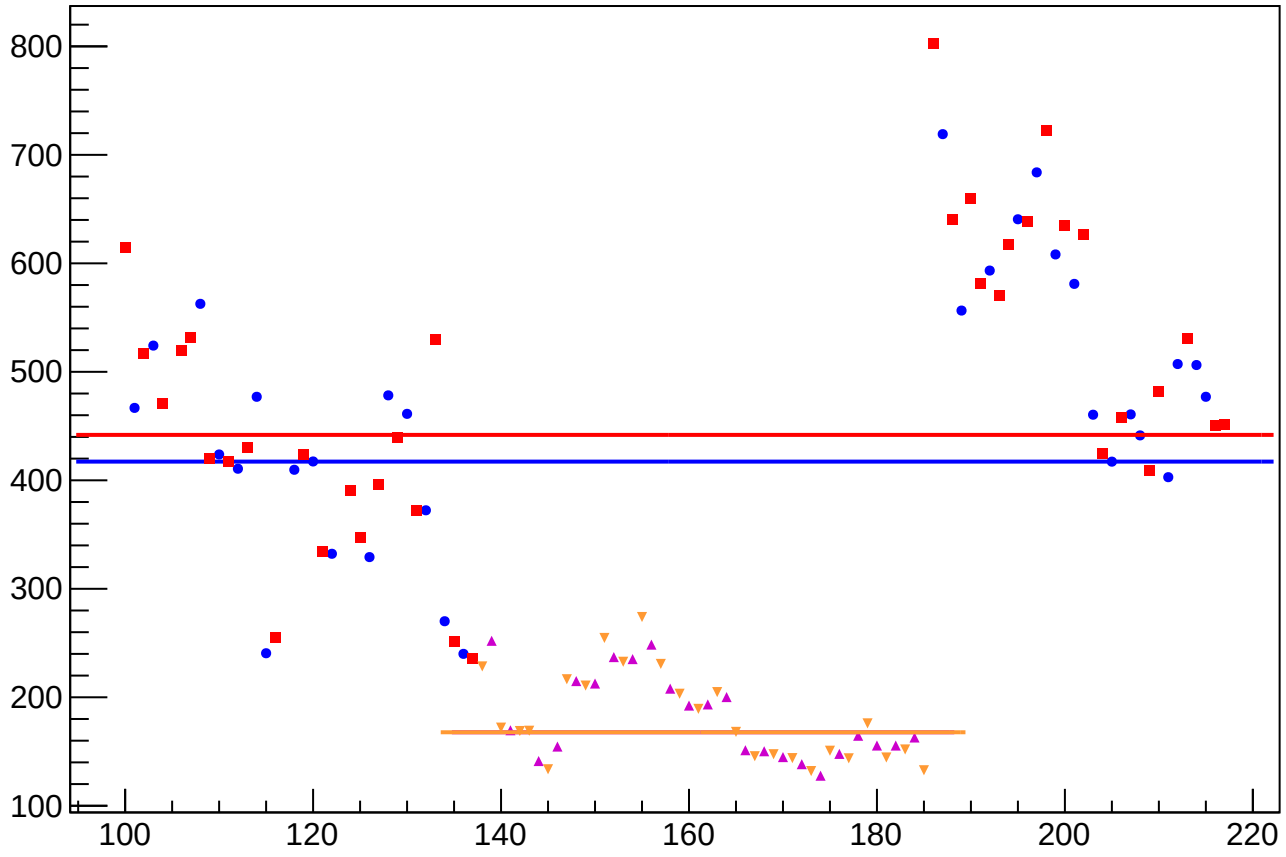
Right Out: 421.859+/-101.113 χ^2/NDF: 34.1/35

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 201.889+/-36.333 χ^2/NDF: 111.8/55

All: 141.741+/-26.010 χ^2/NDF: 191.7/114

- sign 78.511+/-37.252 χ^2/NDF: 74.4/58



Right In: 417.243+/-0.070 χ^2/NDF: 2846545.4/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 441.867+/-0.071 χ^2/NDF: 2933010.3/35

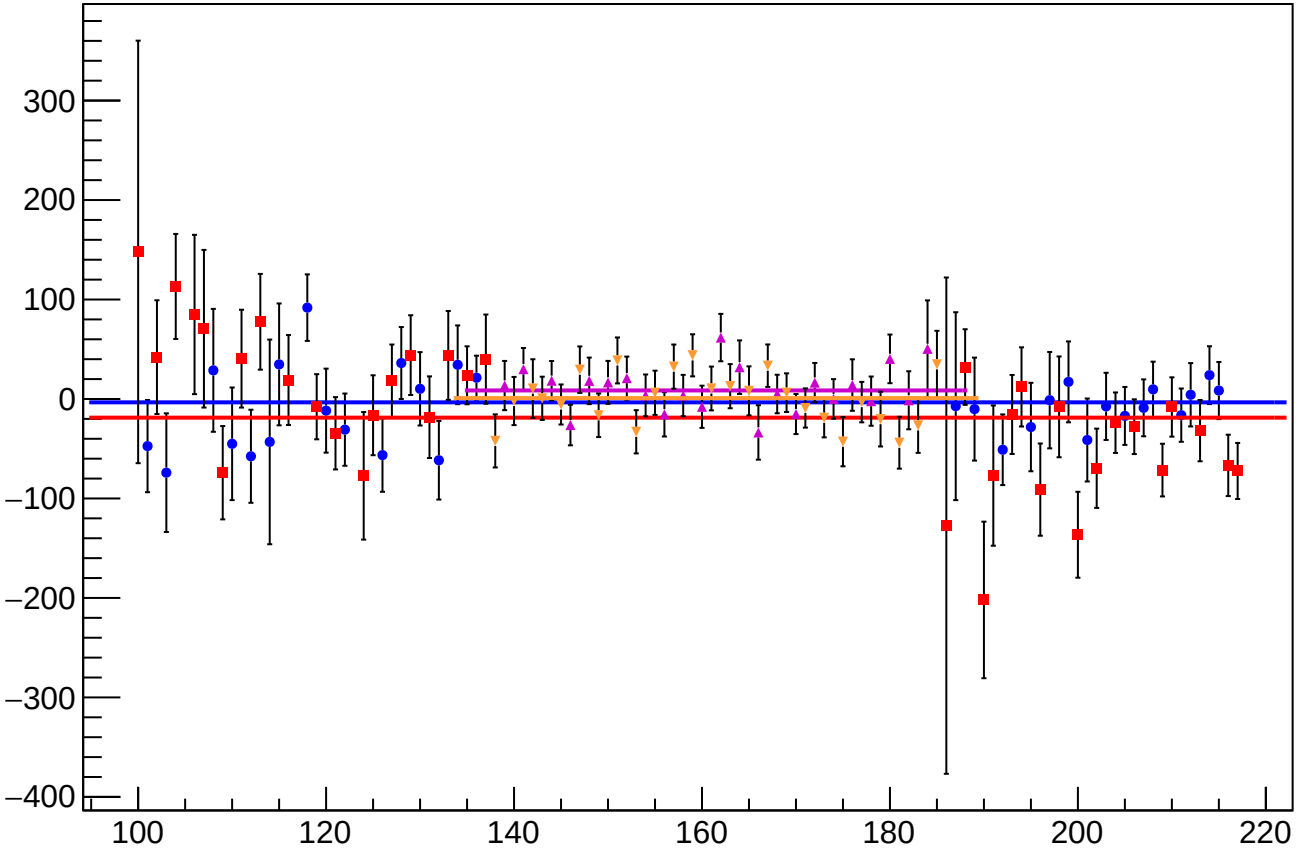
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 201.257+/-0.026 χ^2/NDF: 15388054.4/55

All: 203.060+/-0.018 χ^2/NDF: 32438436.0/11

- sign 204.955+/-0.026 χ^2/NDF: 17040281.7/58

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.762+/-6.718 χ^2/NDF: 59.6/35

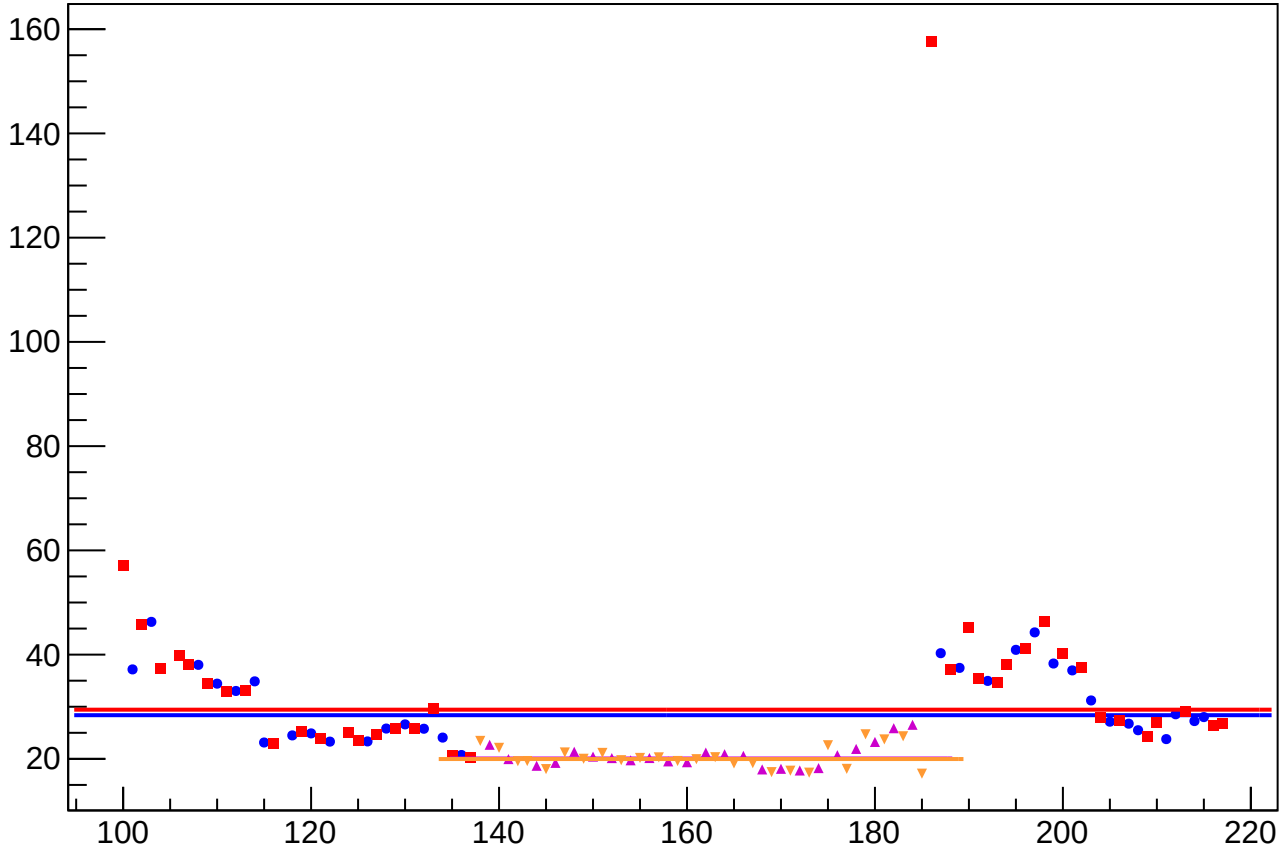
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.463+/-3.768 χ^2/NDF: 56.0/55

All: -0.457+/-2.698 χ^2/NDF: 146.1/114

- sign -0.452+/-3.864 χ^2/NDF: 90.1/58

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.379+/-0.005 χ^2/NDF: 1615413.9/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

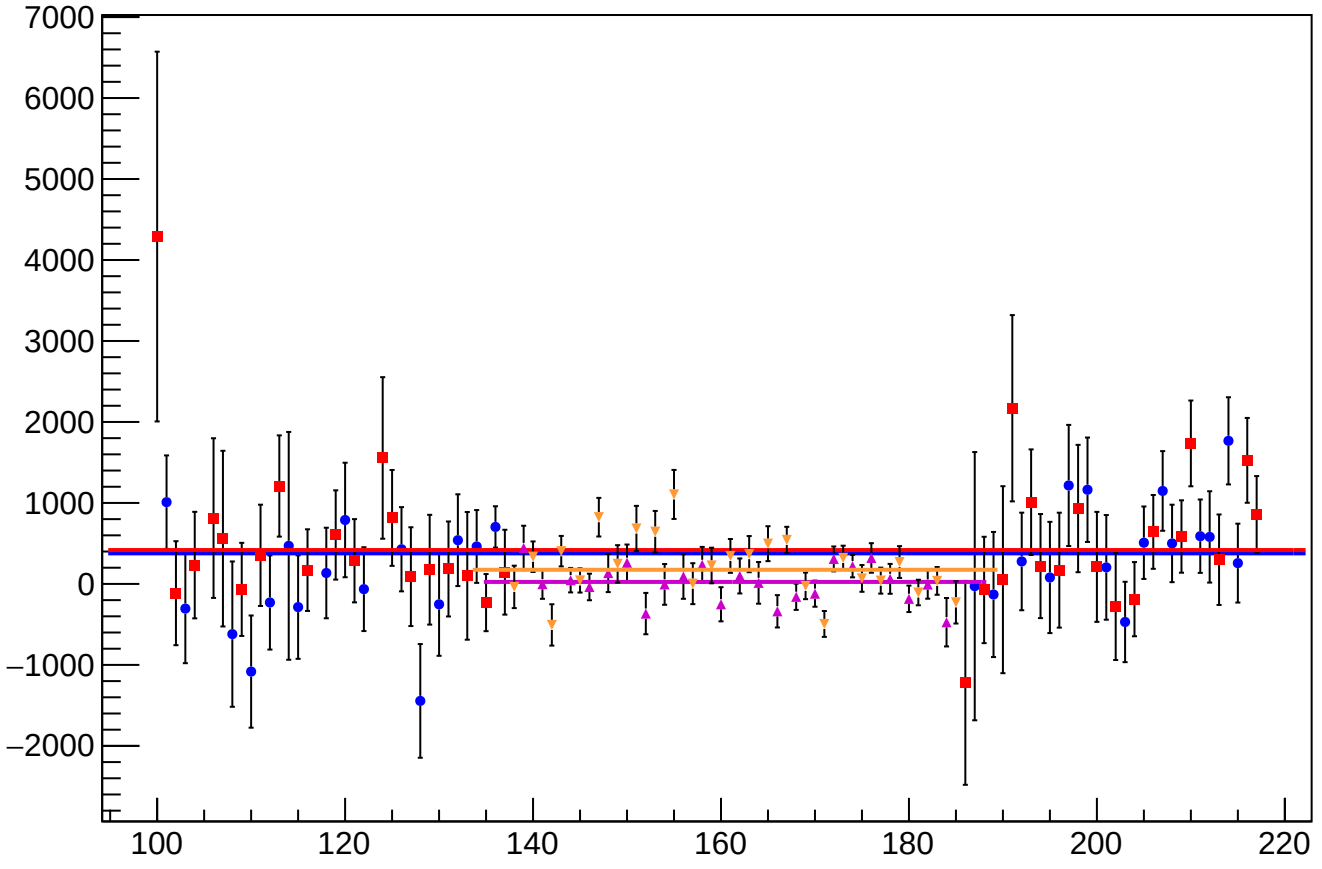
Right Out: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.672+/-0.003 χ^2/NDF: 4175975.4/55

All: 22.915+/-0.002 χ^2/NDF: 9477592.2/114

- sign 23.171+/-0.003 χ^2/NDF: 5284552.4/58



Right In: 377.219+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: 418.115+/-101.195 χ^2/NDF: 33.8/35

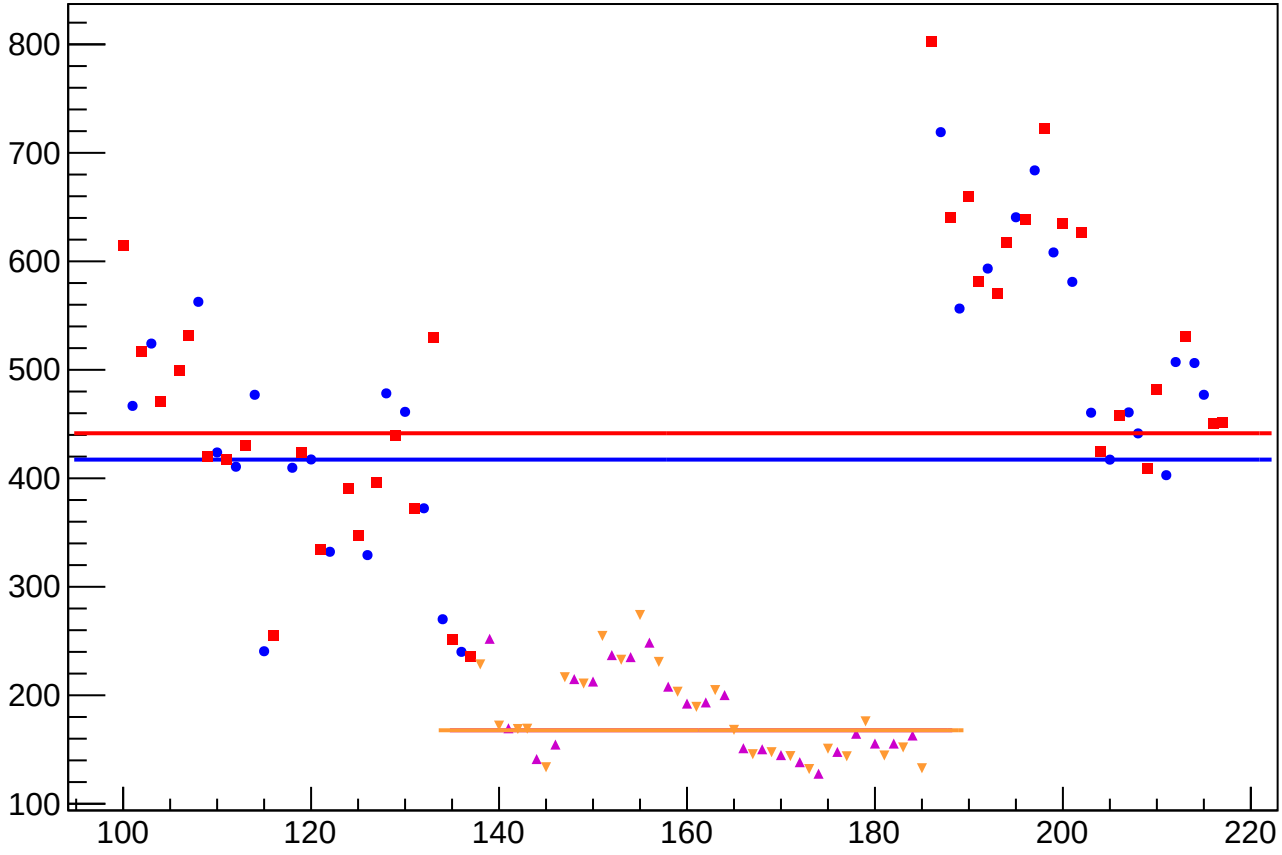
Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 201.887+/-36.333 χ^2/NDF: 111.8/55

All: 141.463+/-26.011 χ^2/NDF: 191.2/114

- sign 77.929+/-37.256 χ^2/NDF: 73.7/58

asym_sam_1357_2468_dd_cor_correction_rms vs Slug



Right In: 417.244+/-0.070 χ^2/NDF: 2846570.1/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

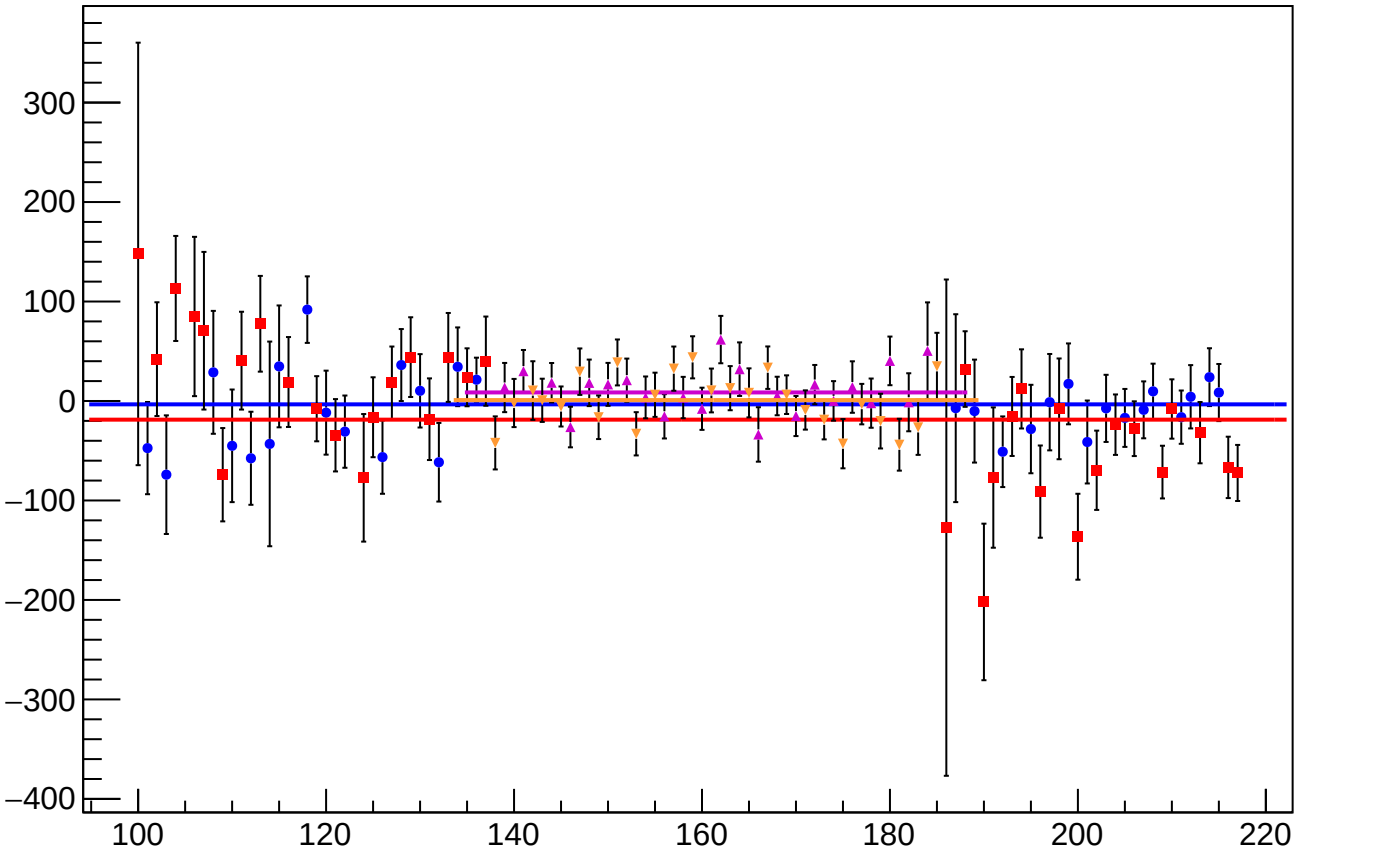
Right Out: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 201.257+/-0.026 χ^2/NDF: 15388079.9/55

All: 203.012+/-0.018 χ^2/NDF: 32381764.5/11

- sign 204.858+/-0.026 χ^2/NDF: 16984109.8/58



Right In: -3.370+/-6.645 χ^2/NDF: 26.5/30

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -18.762+/-6.718 χ^2/NDF: 59.6/35

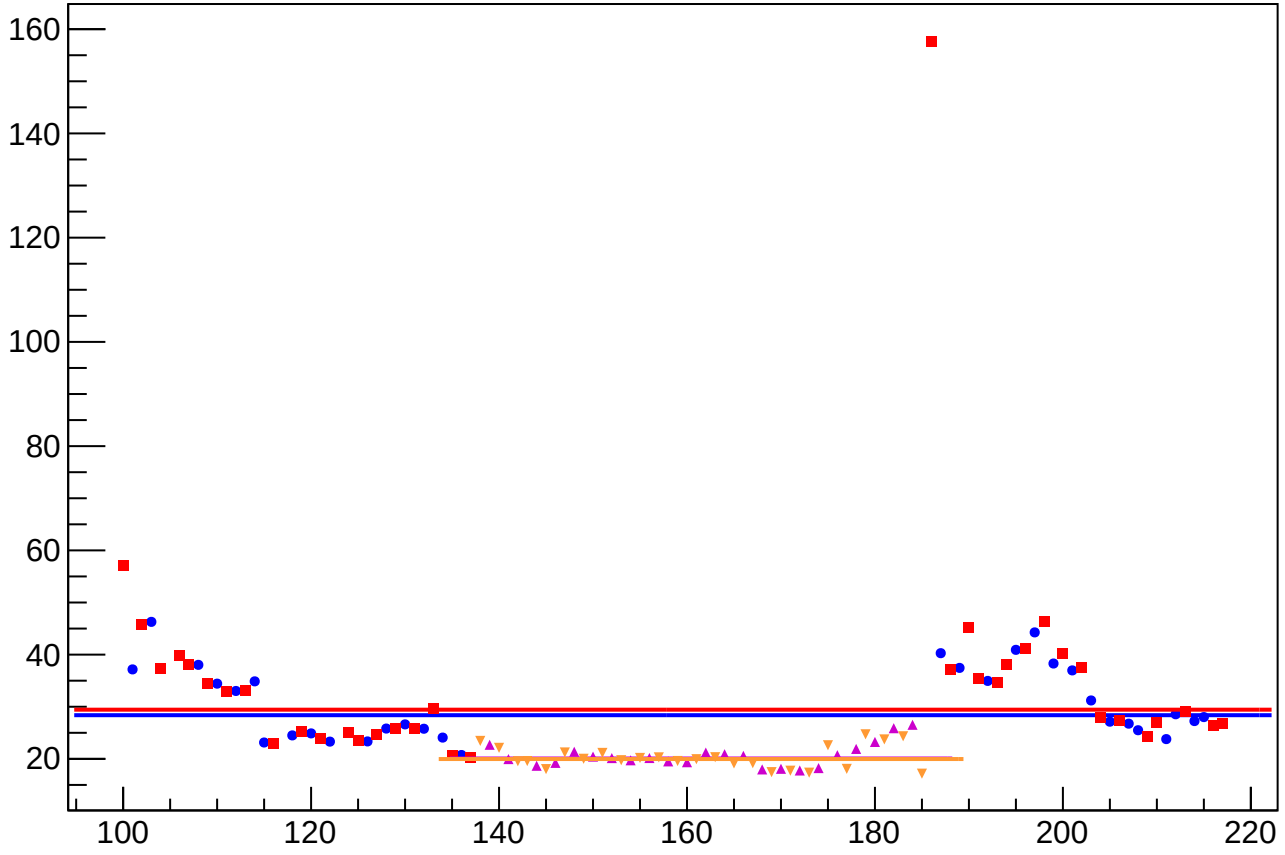
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.463+/-3.768 χ^2/NDF: 56.0/55

All: -0.457+/-2.698 χ^2/NDF: 146.1/114

- sign -0.452+/-3.864 χ^2/NDF: 90.1/58

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.379+/-0.005 χ^2/NDF: 1615413.9/30

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

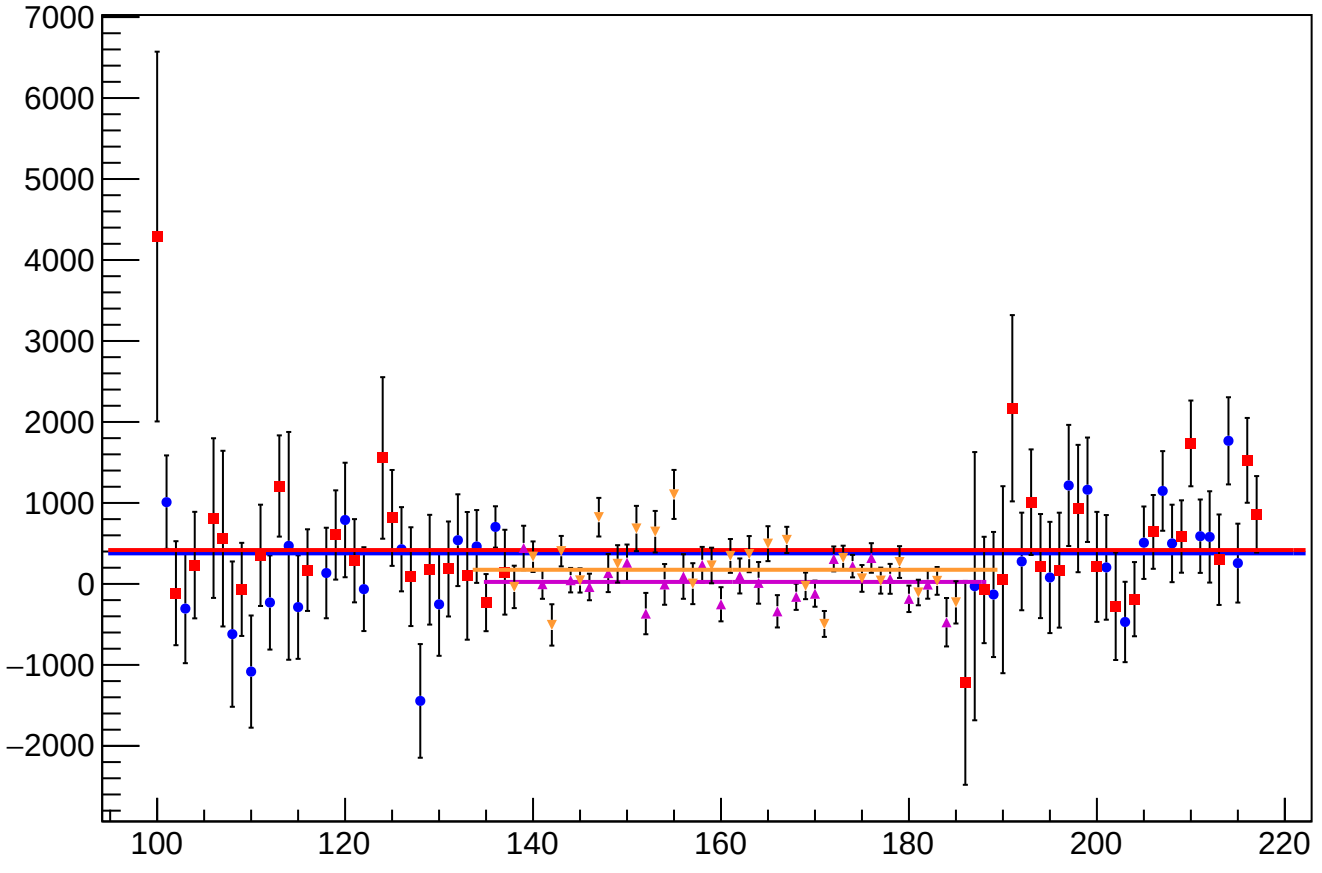
Right Out: 29.438+/-0.005 χ^2/NDF: 2381793.2/35

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.672+/-0.003 χ^2/NDF: 4175975.4/55

All: 22.915+/-0.002 χ^2/NDF: 9477592.2/114

- sign 23.171+/-0.003 χ^2/NDF: 5284552.4/58



Right In: 377.219+/-99.148 χ^2/NDF: 36.9/30

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

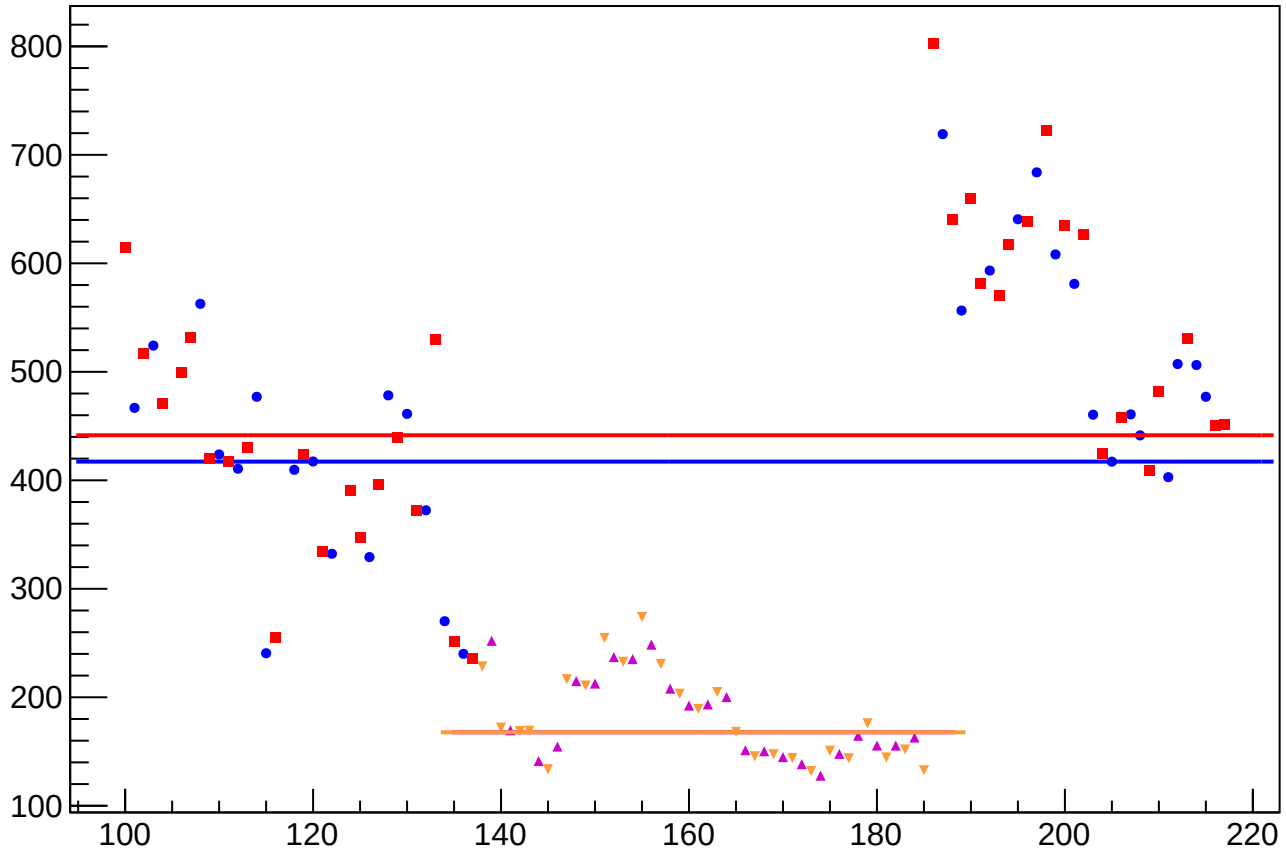
Right Out: 418.115+/-101.195 χ^2/NDF: 33.8/35

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 201.887+/-36.333 χ^2/NDF: 111.8/55

All: 141.463+/-26.011 χ^2/NDF: 191.2/114

- sign 77.929+/-37.256 χ^2/NDF: 73.7/58



Right In: 417.244+/-0.070 χ^2/NDF: 2846570.1/30

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 441.533+/-0.072 χ^2/NDF: 2925560.9/35

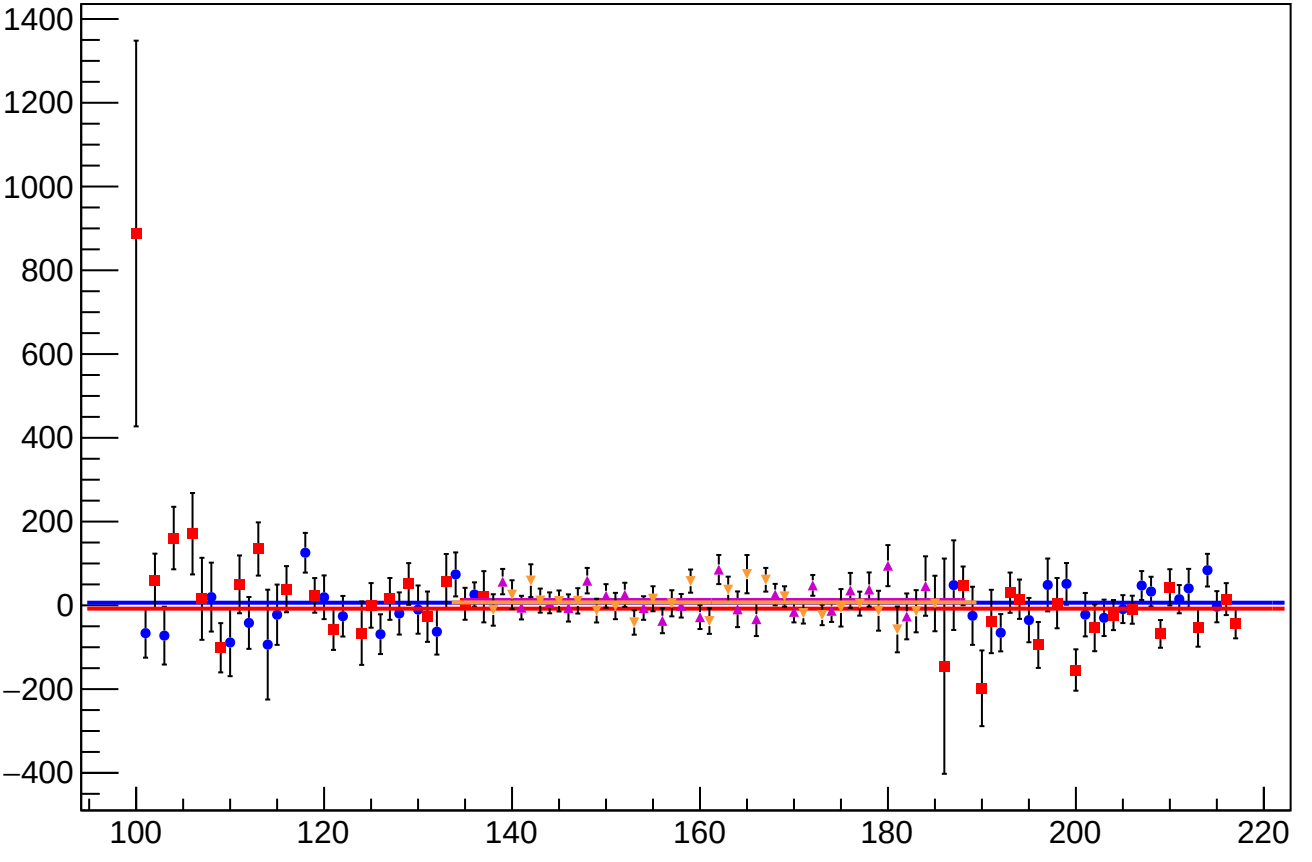
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 201.257+/-0.026 χ^2/NDF: 15388079.9/55

All: 203.012+/-0.018 χ^2/NDF: 32381764.5/11

- sign 204.858+/-0.026 χ^2/NDF: 16984109.8/58

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 6.319+/-8.591 χ^2/NDF: 31.7/30

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.849+/-8.570 χ^2/NDF: 54.0/35

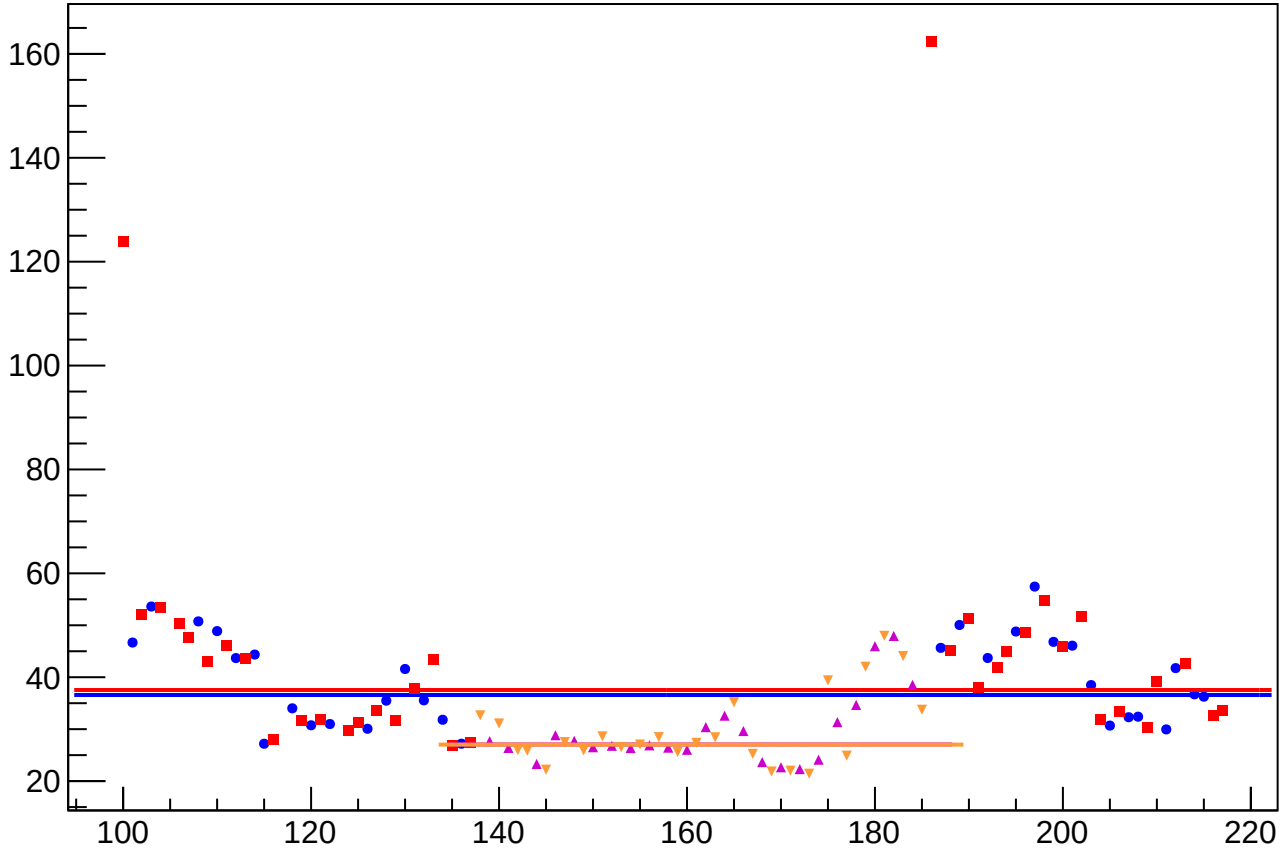
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 6.812+/-5.098 χ^2/NDF: 54.4/55

All: 6.007+/-3.635 χ^2/NDF: 137.7/114

- sign 5.175+/-5.186 χ^2/NDF: 83.3/58

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.580+/-0.006 χ^2/NDF: 1536579.9/30

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.542+/-0.006 χ^2/NDF: 2162024.1/35

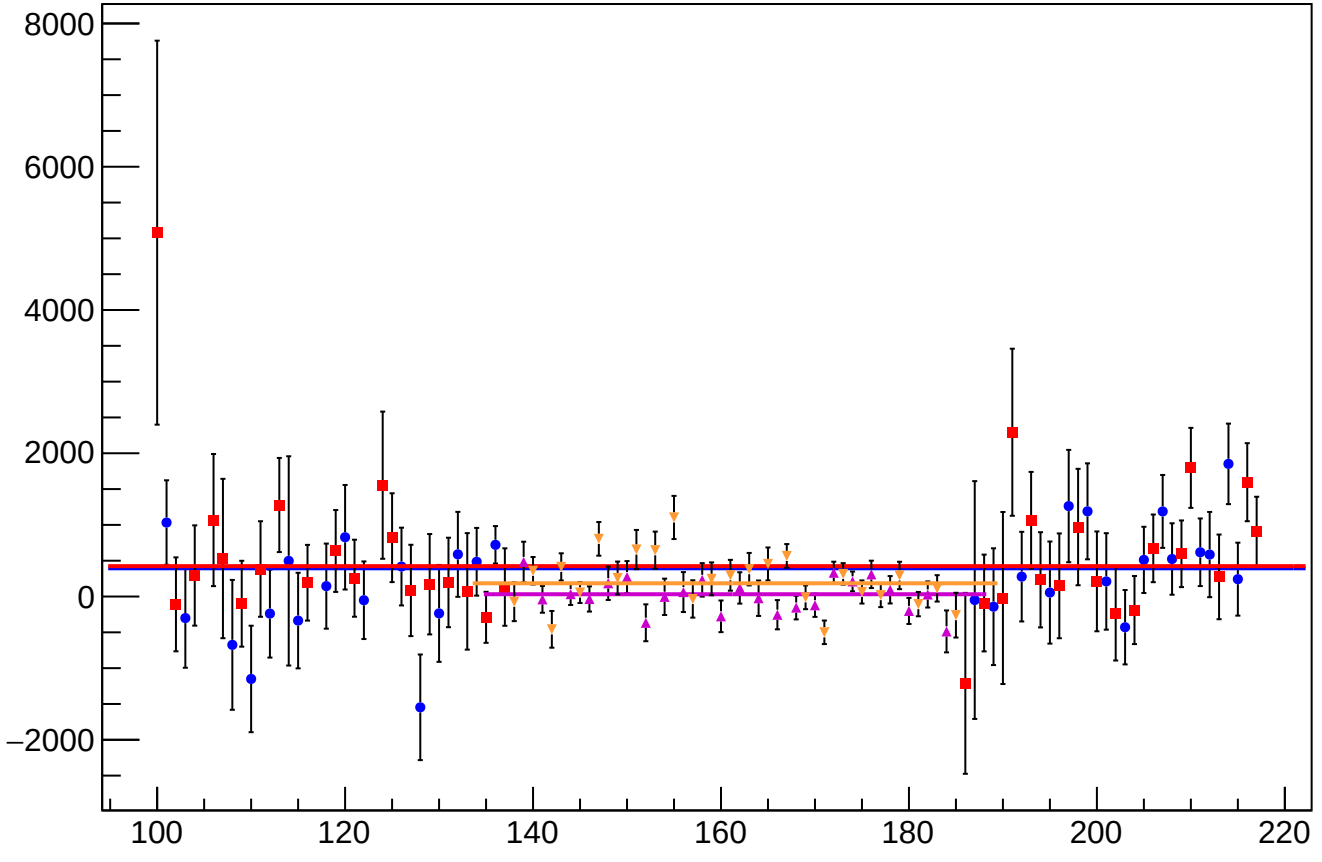
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.390+/-0.004 χ^2/NDF: 4569385.2/55

All: 30.637+/-0.003 χ^2/NDF: 9684597.3/114

- sign 30.893+/-0.004 χ^2/NDF: 5105649.0/58

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 394.170+/-103.210 χ^2/NDF: 36.6/30

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

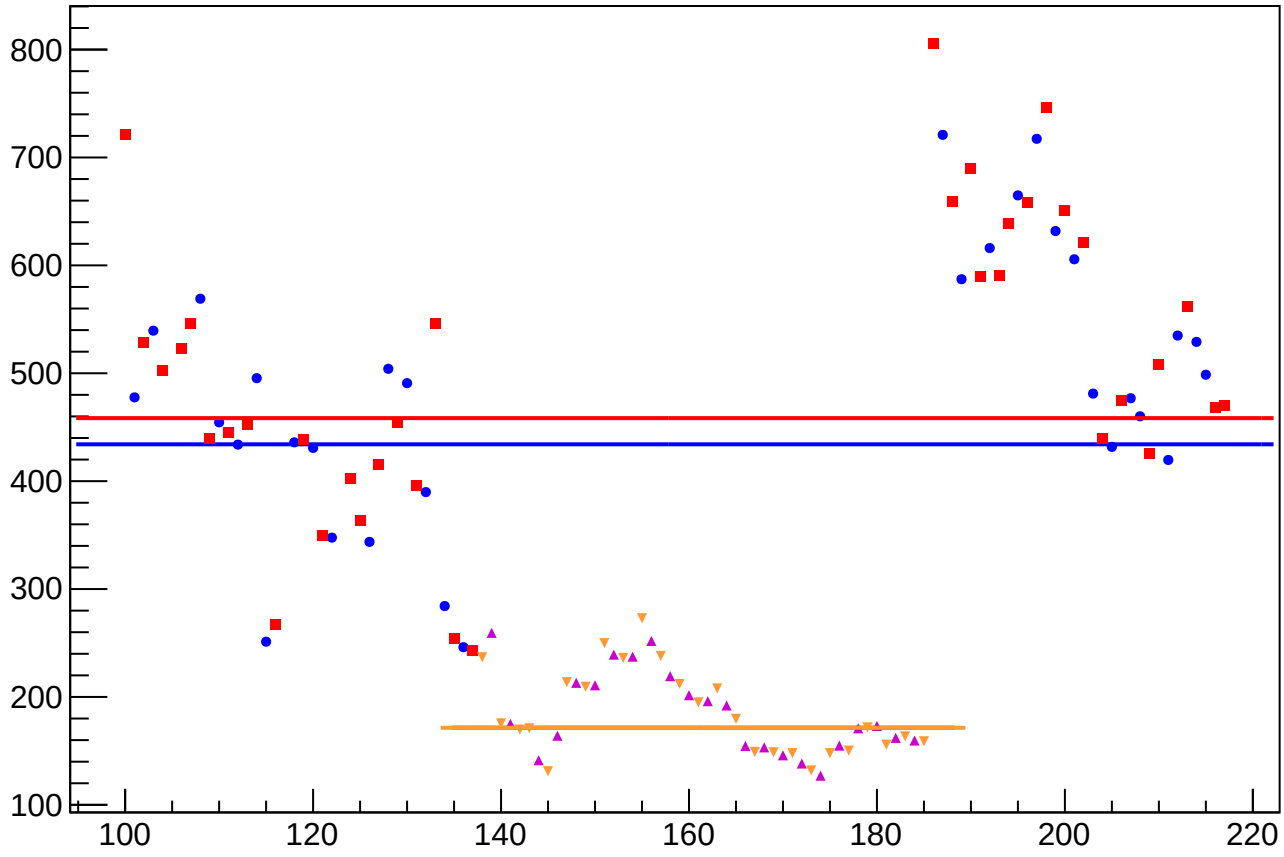
Right Out: 424.063+/-104.864 χ^2/NDF: 35.2/35

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 211.833+/-37.161 χ^2/NDF: 107.8/55

All: 149.541+/-26.624 χ^2/NDF: 187.3/114

- sign 83.837+/-38.165 χ^2/NDF: 73.7/58



Right In: 434.156+/-0.073 χ^2/NDF: 2898864.4/30

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 458.420+/-0.074 χ^2/NDF: 2921219.7/35

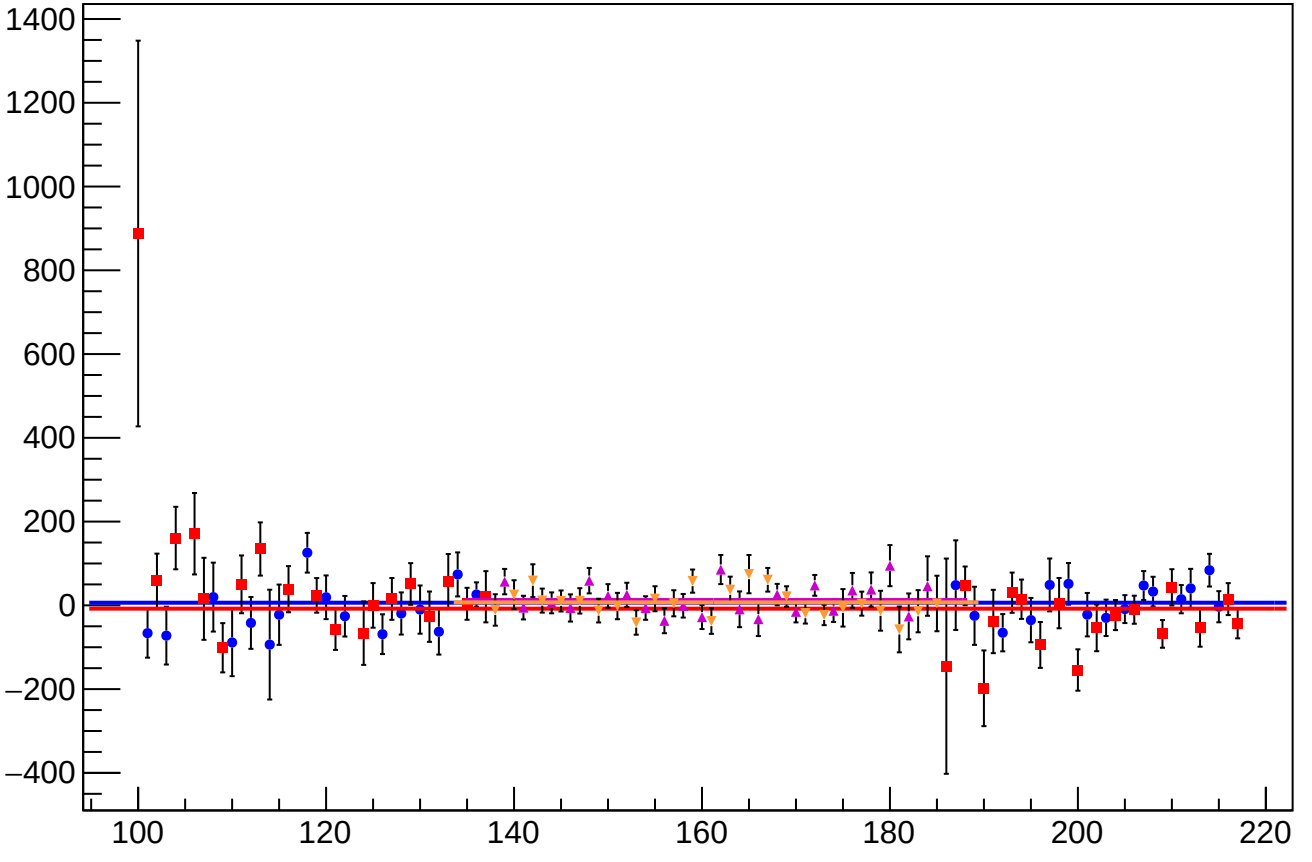
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 205.486+/-0.026 χ^2/NDF: 15705673.9/55

All: 207.437+/-0.019 χ^2/NDF: 33044389.9/11

- sign 209.496+/-0.027 χ^2/NDF: 17327381.6/58

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 6.318+/-8.591 χ^2/NDF: 31.7/30

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -7.849+/-8.570 χ^2/NDF: 54.0/35

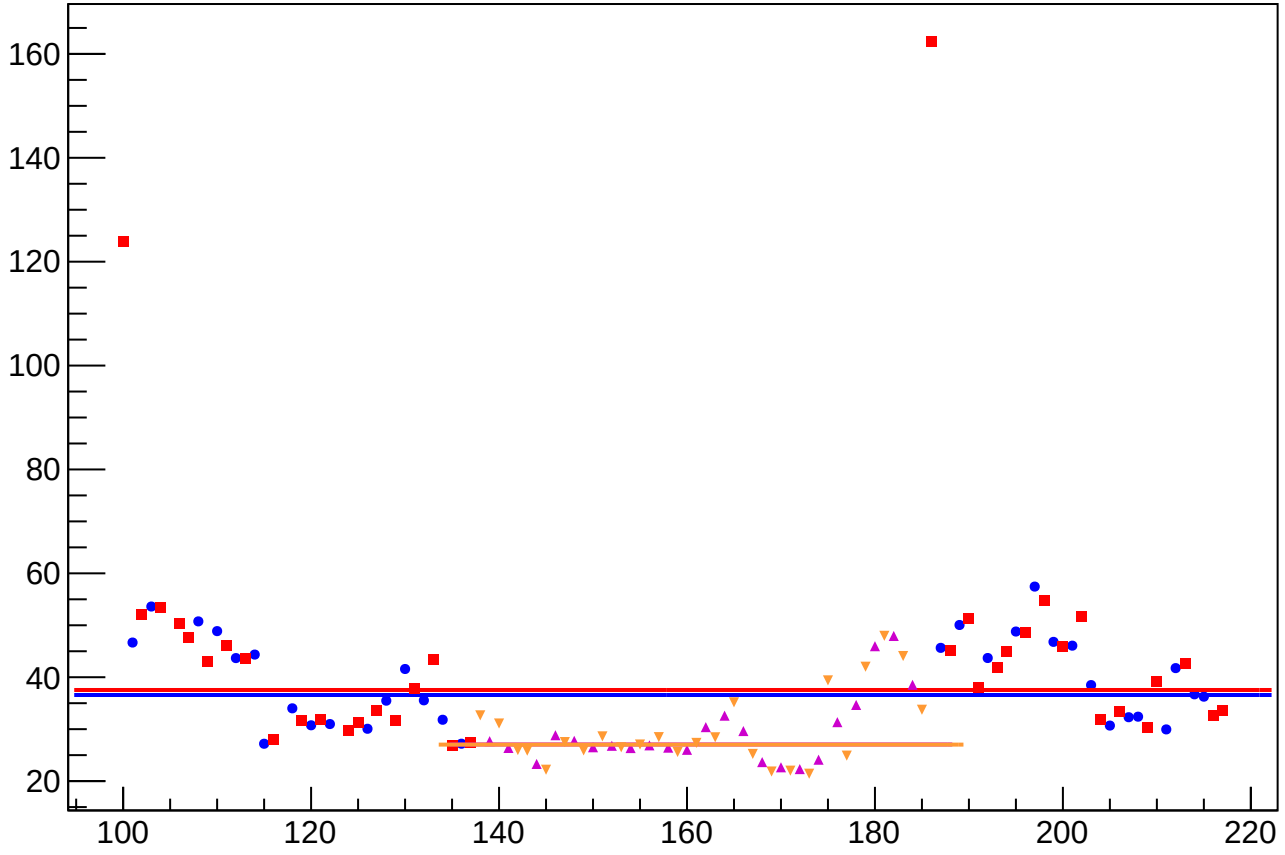
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 6.811+/-5.098 χ^2/NDF: 54.4/55

All: 6.007+/-3.635 χ^2/NDF: 137.7/114

- sign 5.175+/-5.186 χ^2/NDF: 83.3/58

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.579+/-0.006 χ^2/NDF: 1536557.4/30

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.542+/-0.006 χ^2/NDF: 2161985.3/35

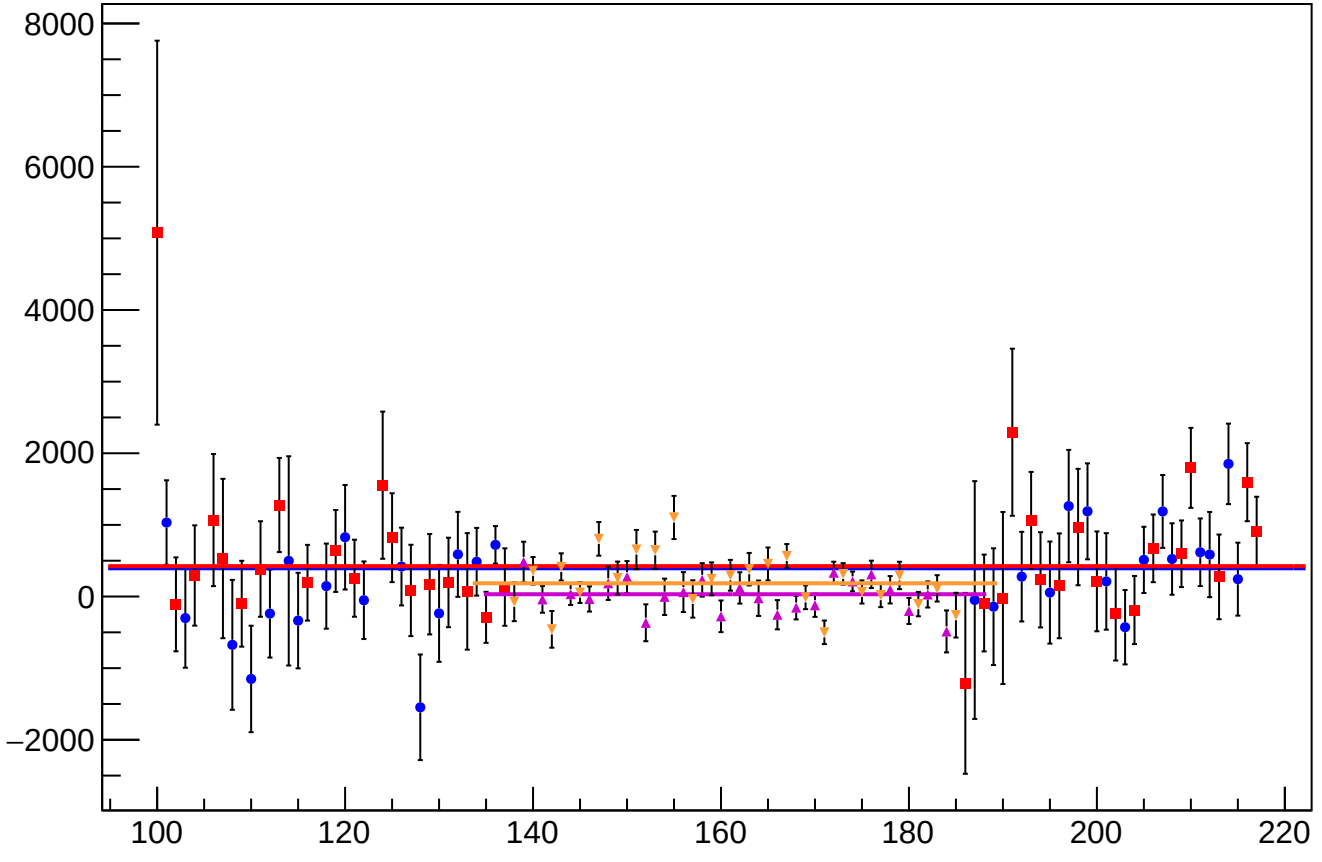
Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.390+/-0.004 χ^2/NDF: 4569275.8/55

All: 30.637+/-0.003 χ^2/NDF: 9684392.9/114

- sign 30.893+/-0.004 χ^2/NDF: 5105553.1/58

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug



Right In: 394.168+/-103.210 χ^2/NDF: 36.6/30

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

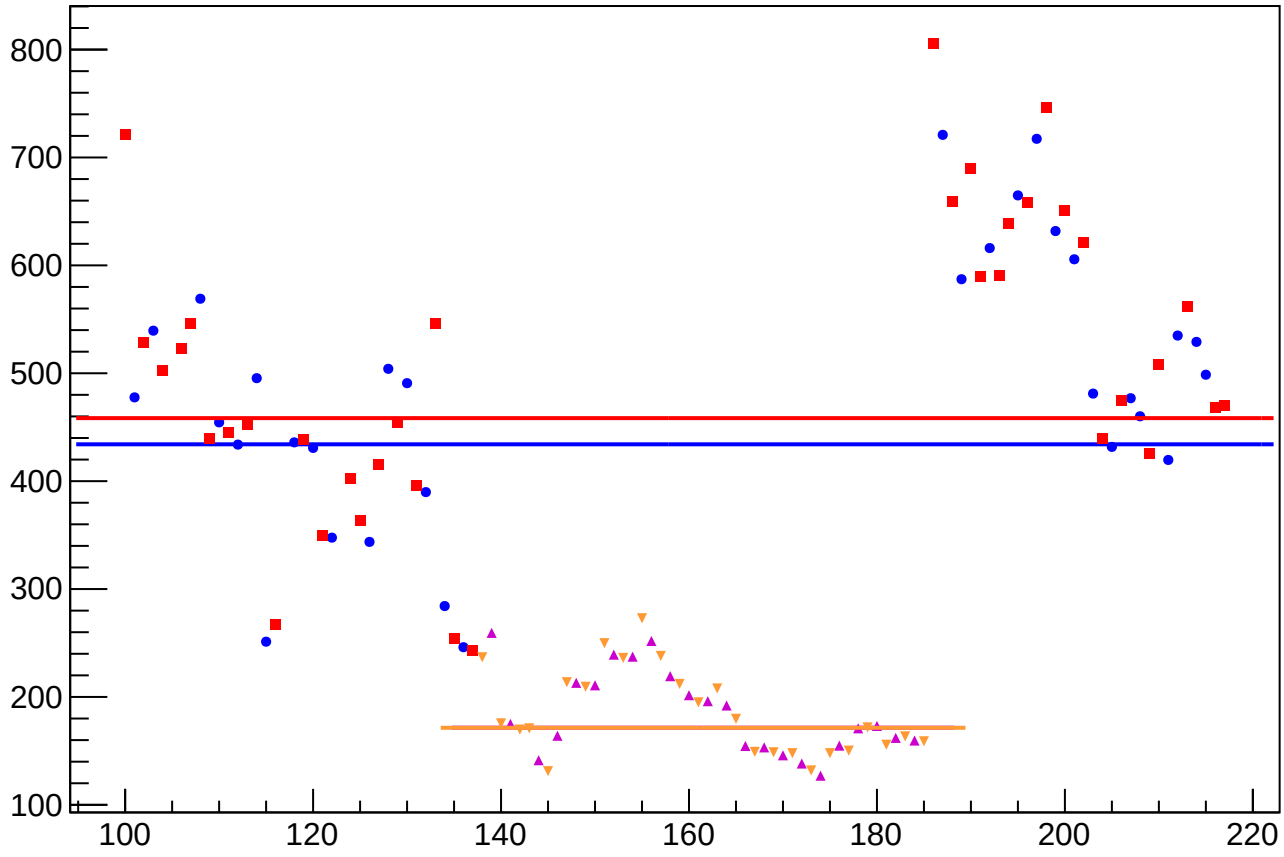
Right Out: 424.061+/-104.864 χ^2/NDF: 35.2/35

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 211.832+/-37.160 χ^2/NDF: 107.8/55

All: 149.540+/-26.624 χ^2/NDF: 187.3/114

- sign 83.837+/-38.165 χ^2/NDF: 73.7/58



Right In: 434.156+/-0.073 χ^2/NDF: 2898873.1/30

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 458.420+/-0.074 χ^2/NDF: 2921231.6/35

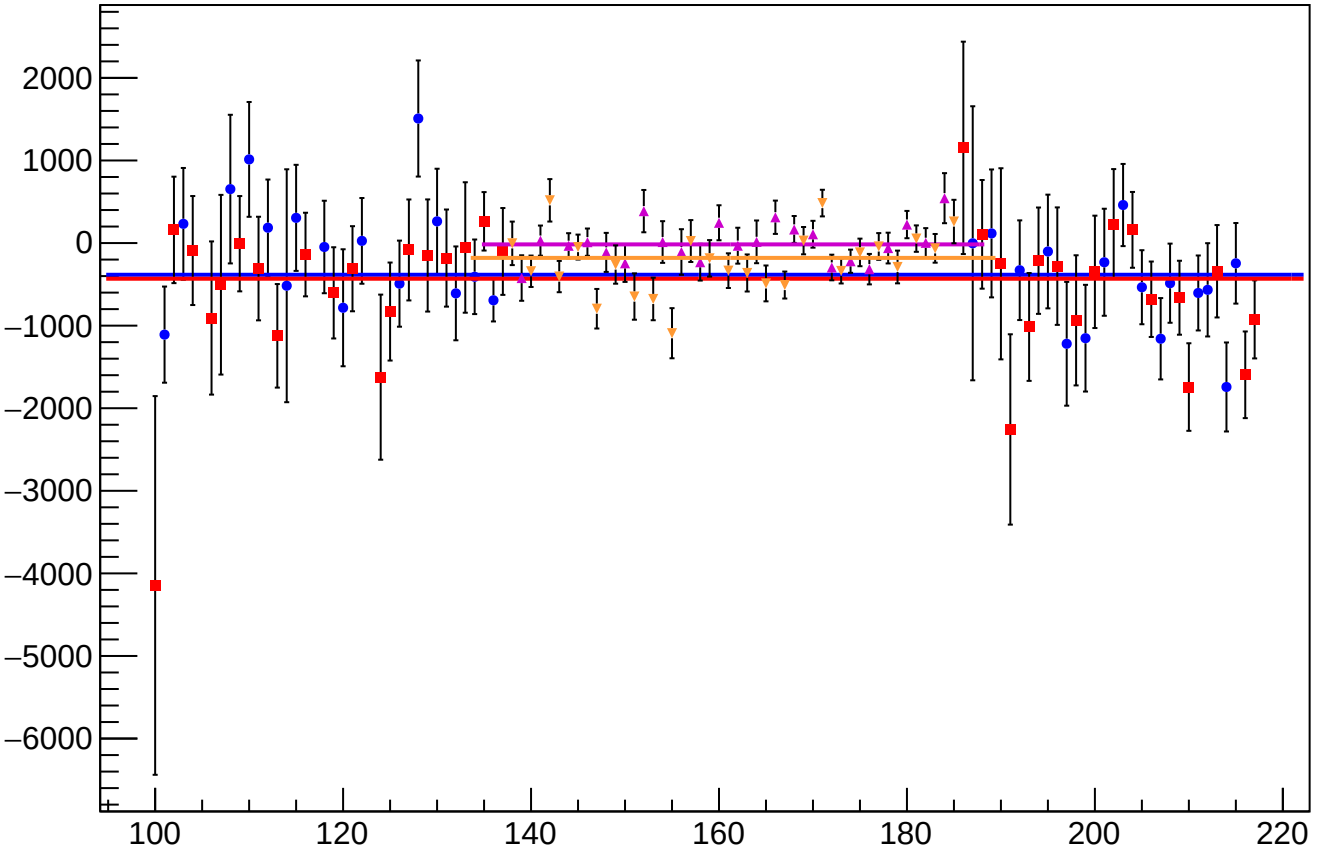
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 205.485+/-0.026 χ^2/NDF: 15705724.8/55

All: 207.437+/-0.019 χ^2/NDF: 33044509.6/11

- sign 209.495+/-0.027 χ^2/NDF: 17327450.9/58

asym_sam_1357_2468_dd_mean vs Slug



Right In: -383.906+/-99.428 χ^2/NDF: 36.7/30

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -431.889+/-101.388 χ^2/NDF: 34.8/35

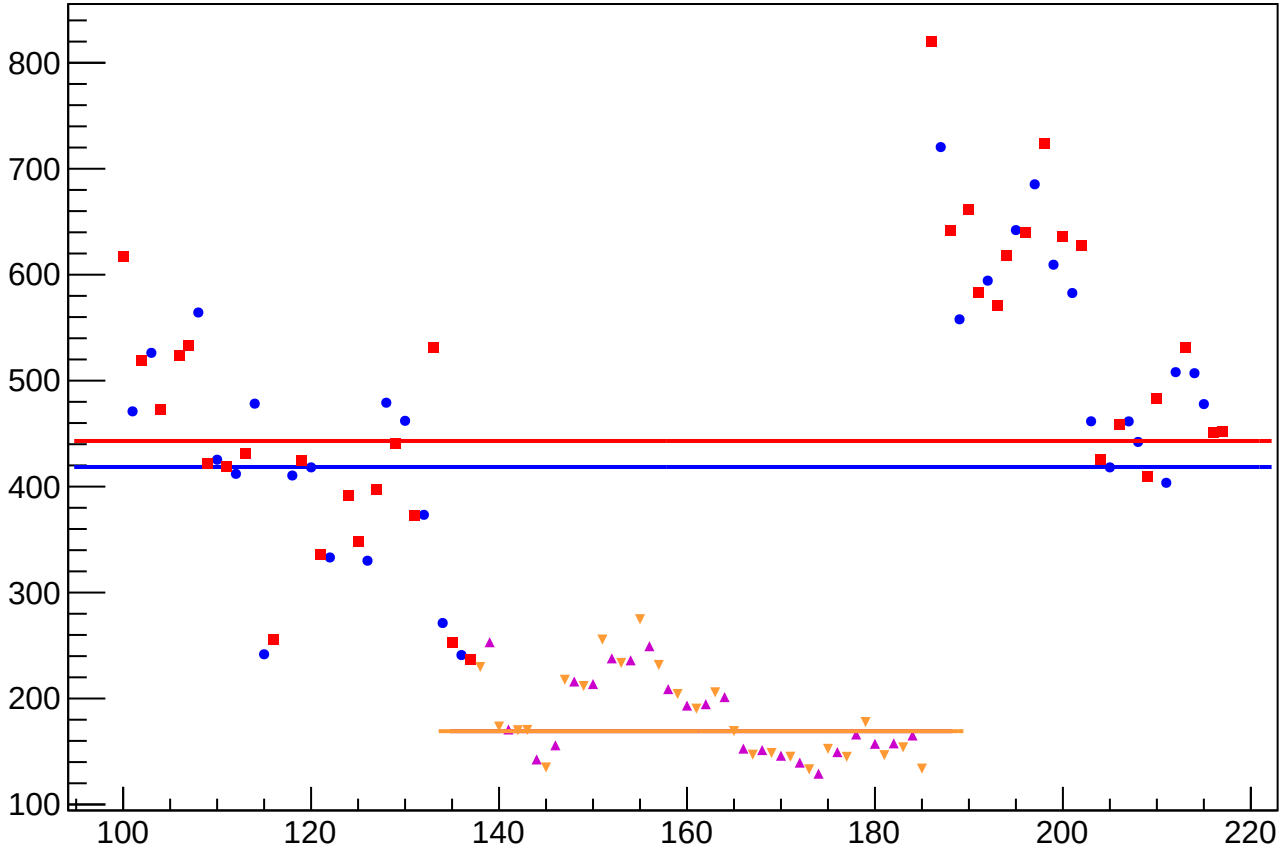
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -207.331+/-36.600 χ^2/NDF: 107.5/55

All: -141.859+/-26.202 χ^2/NDF: 190.0/114

- sign -73.026+/-37.527 χ^2/NDF: 75.9/58

asym_sam_1357_2468_dd_rms vs Slug



Right In: 418.508+/-0.070 χ^2/NDF: 2835013.1/30

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

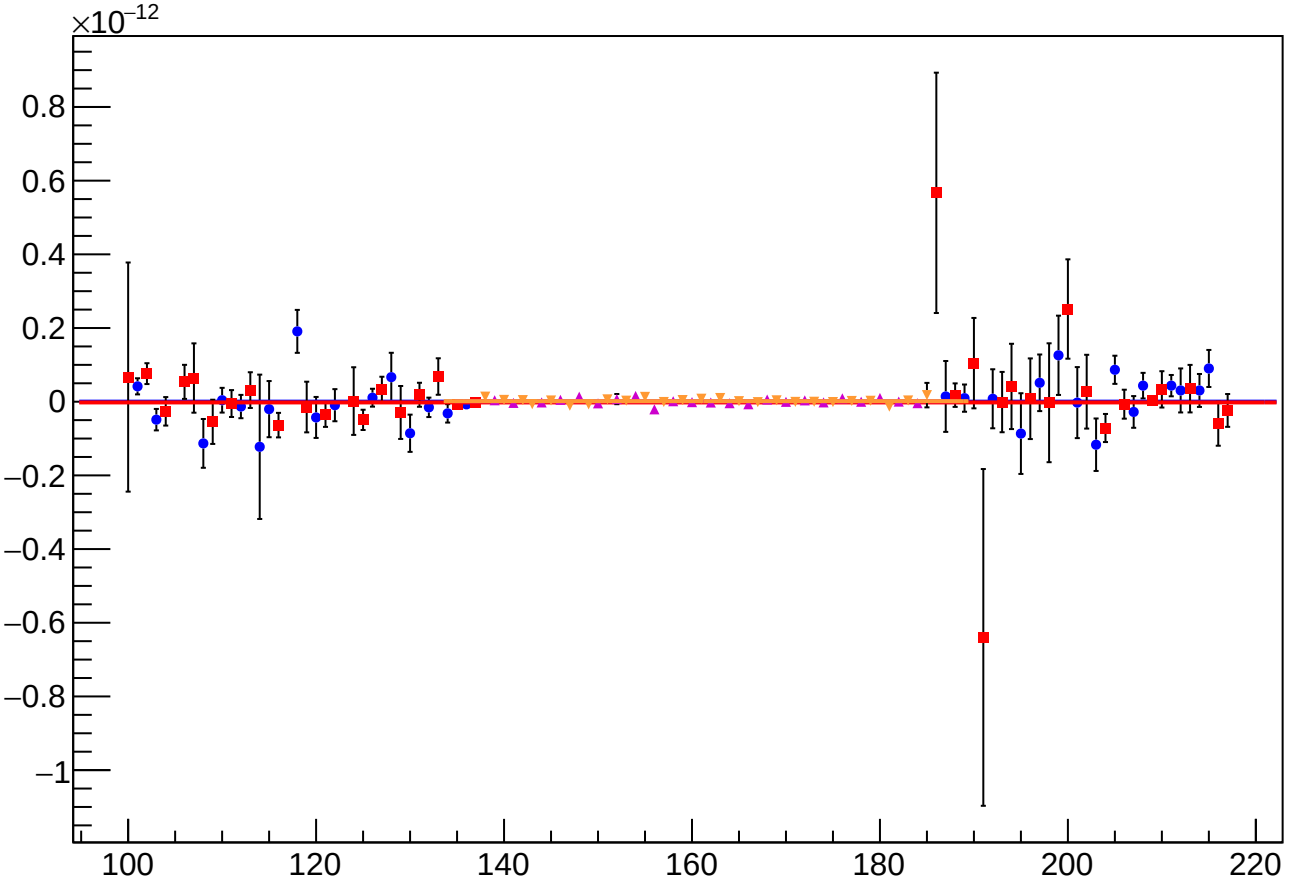
Right Out: 443.065+/-0.072 χ^2/NDF: 2932238.1/35

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 202.965+/-0.026 χ^2/NDF: 15254906.0/55

All: 204.790+/-0.019 χ^2/NDF: 32166422.5/11

- sign 206.708+/-0.027 χ^2/NDF: 16901318.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 47.0/30

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

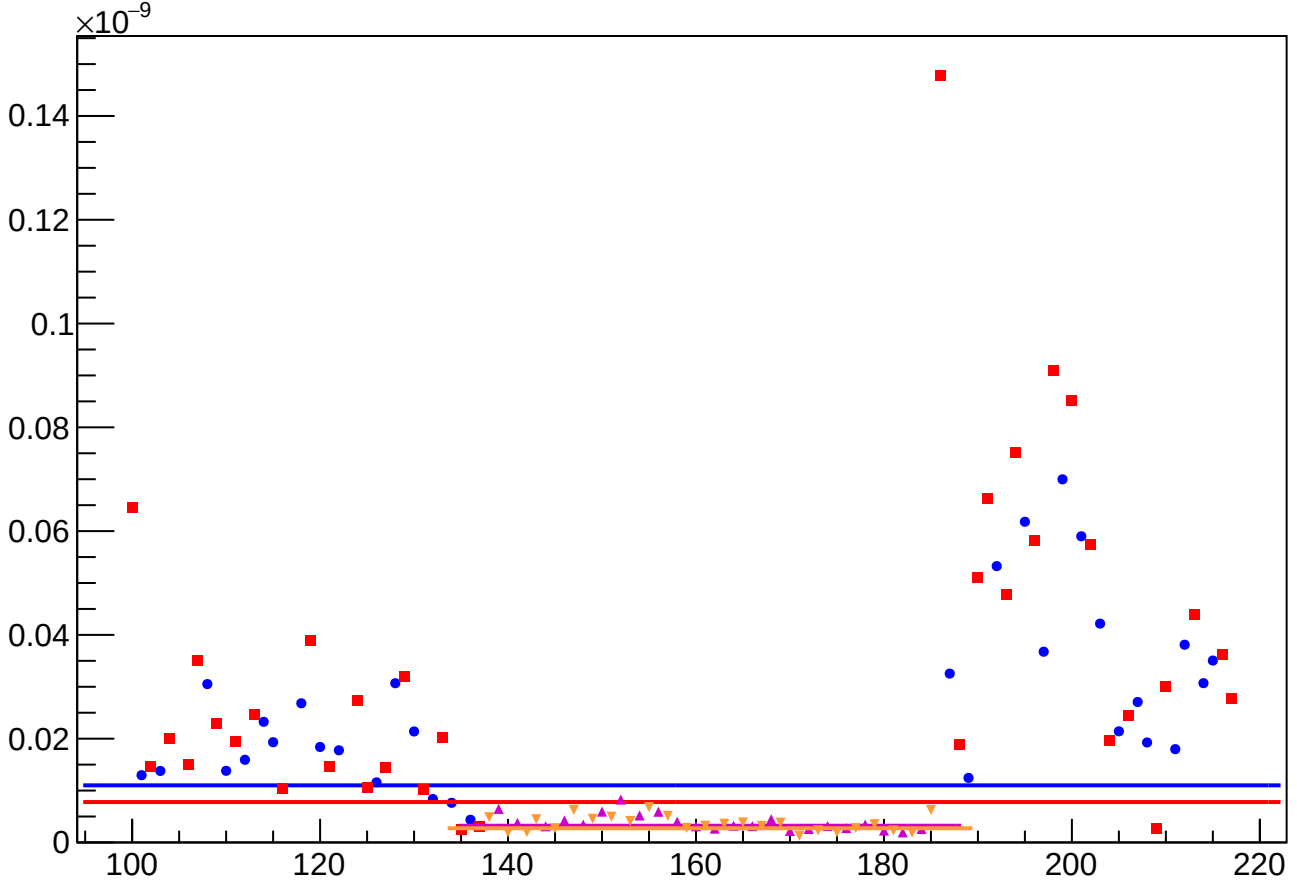
Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/35

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.8/55

All: 0.000+/-0.000 χ^2/NDF: 124.9/114

- sign 0.000+/-0.000 χ^2/NDF: 59.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 7216264.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

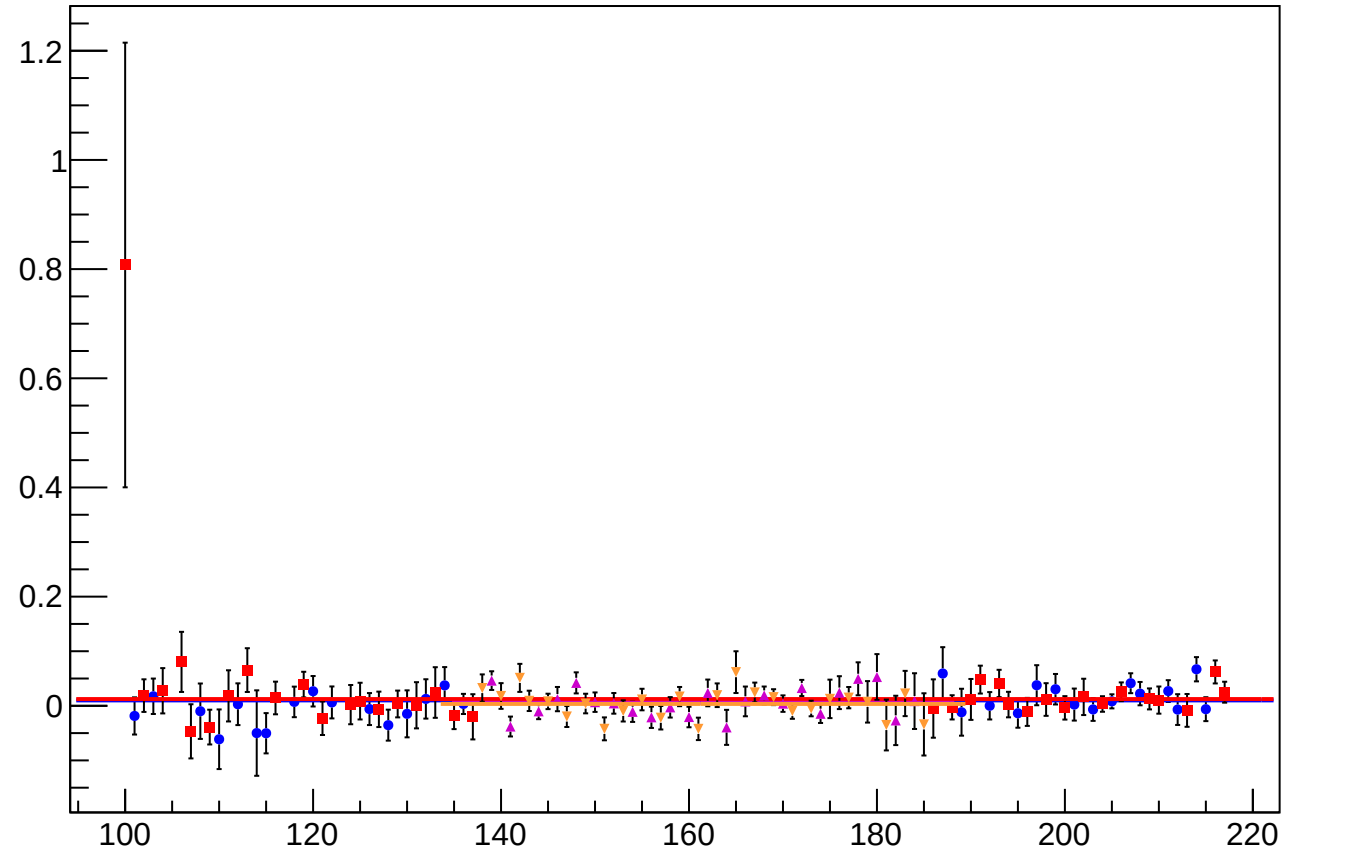
Right Out: 0.000+/-0.000 χ^2/NDF: 10695245.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13954307.6/55

All: 0.000+/-0.000 χ^2/NDF: 28027203.2/114

- sign 0.000+/-0.000 χ^2/NDF: 13930916.1/58



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

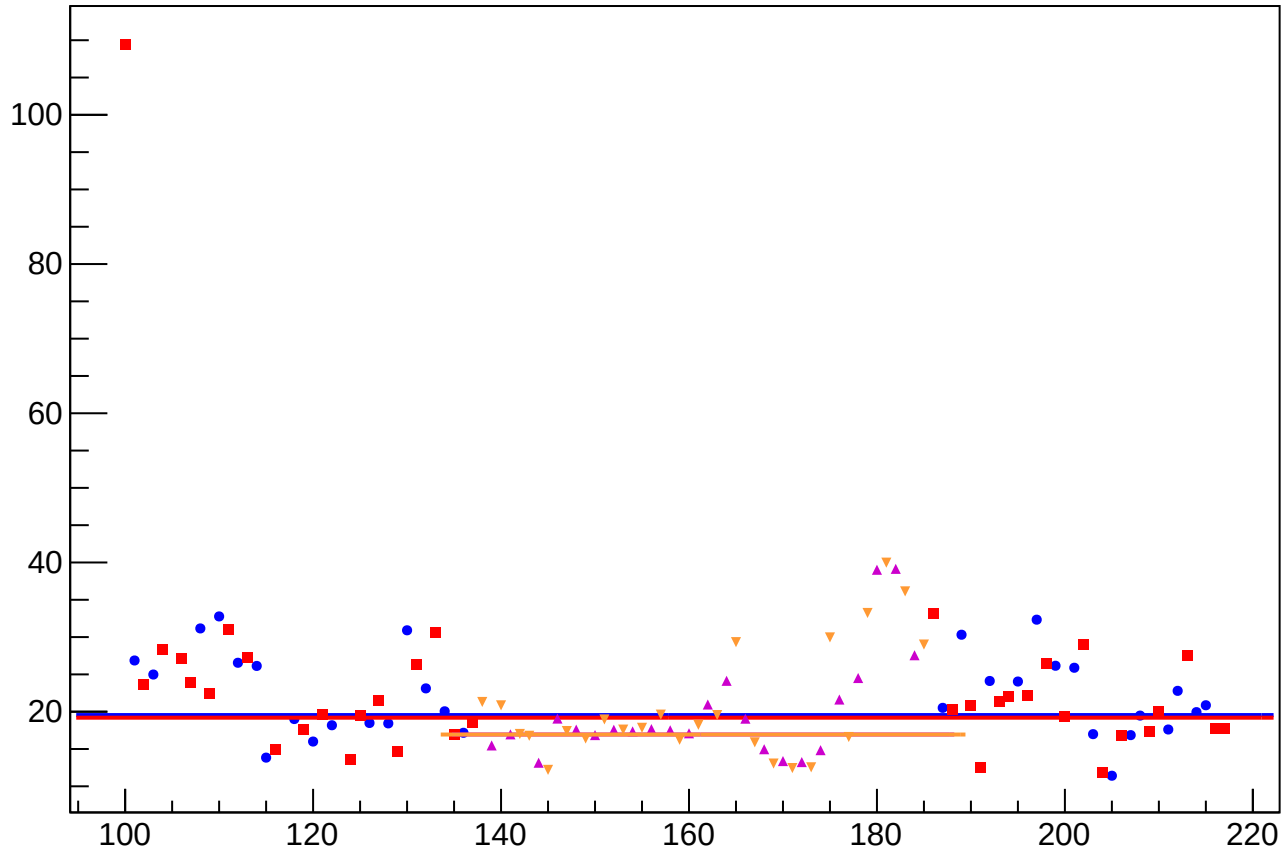
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.9/55

All: 0.007+/-0.002 χ^2/NDF: 118.4/114

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.549+/-0.003 χ^2/NDF: 2355209.0/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

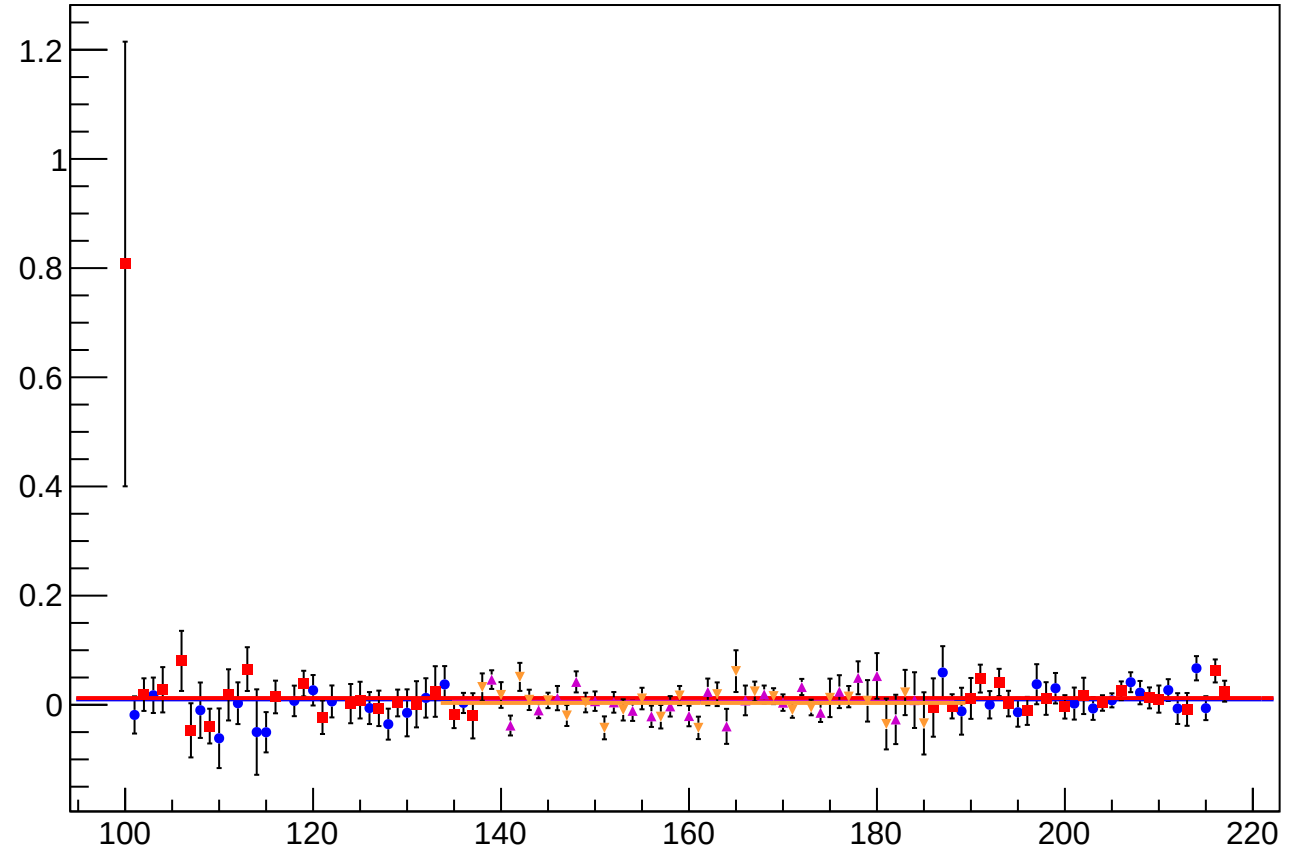
Right Out: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.044+/-0.002 χ^2/NDF: 5537018.8/55

All: 18.012+/-0.002 χ^2/NDF: 10055902.6/114

- sign 17.981+/-0.002 χ^2/NDF: 4518458.0/58



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

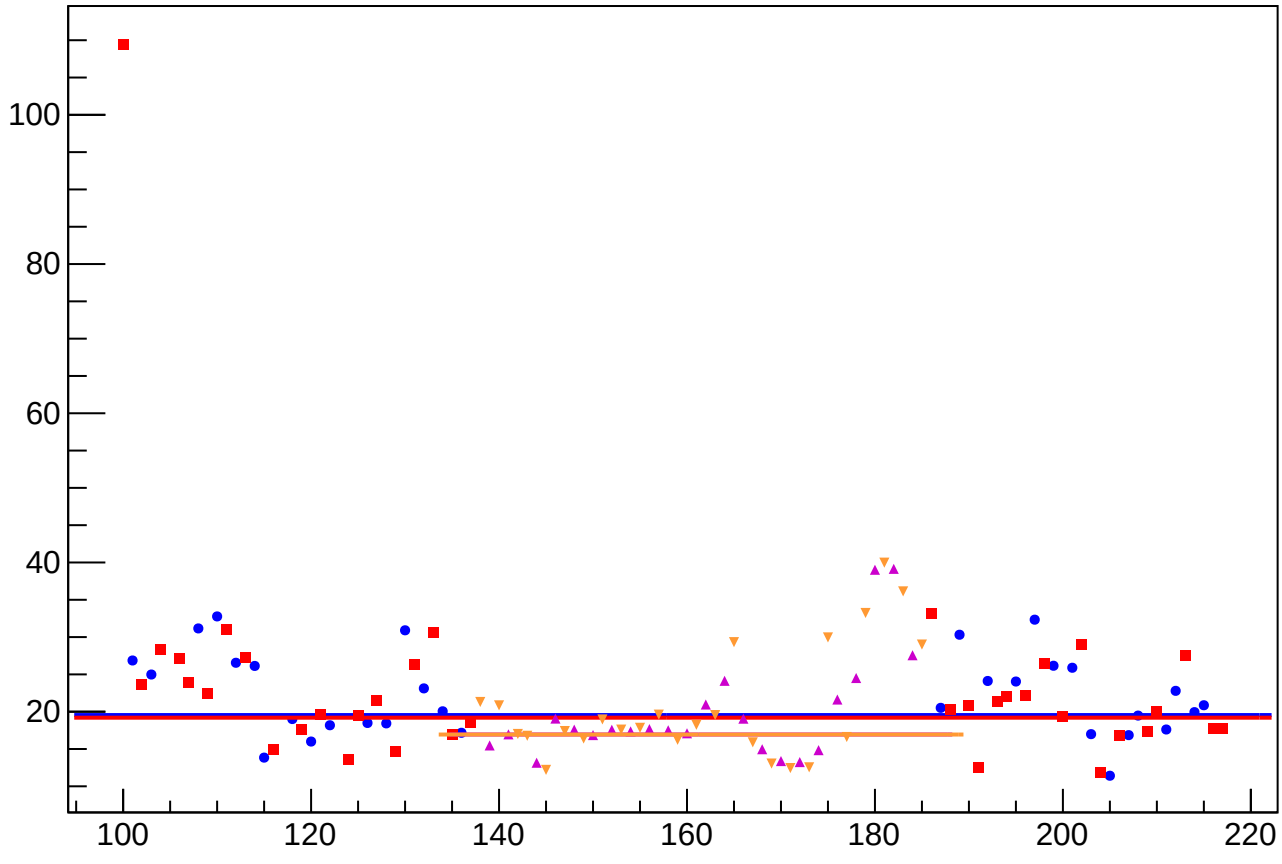
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.9/55

All: 0.007+/-0.002 χ^2/NDF: 118.4/114

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.549+/-0.003 χ^2/NDF: 2355209.0/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

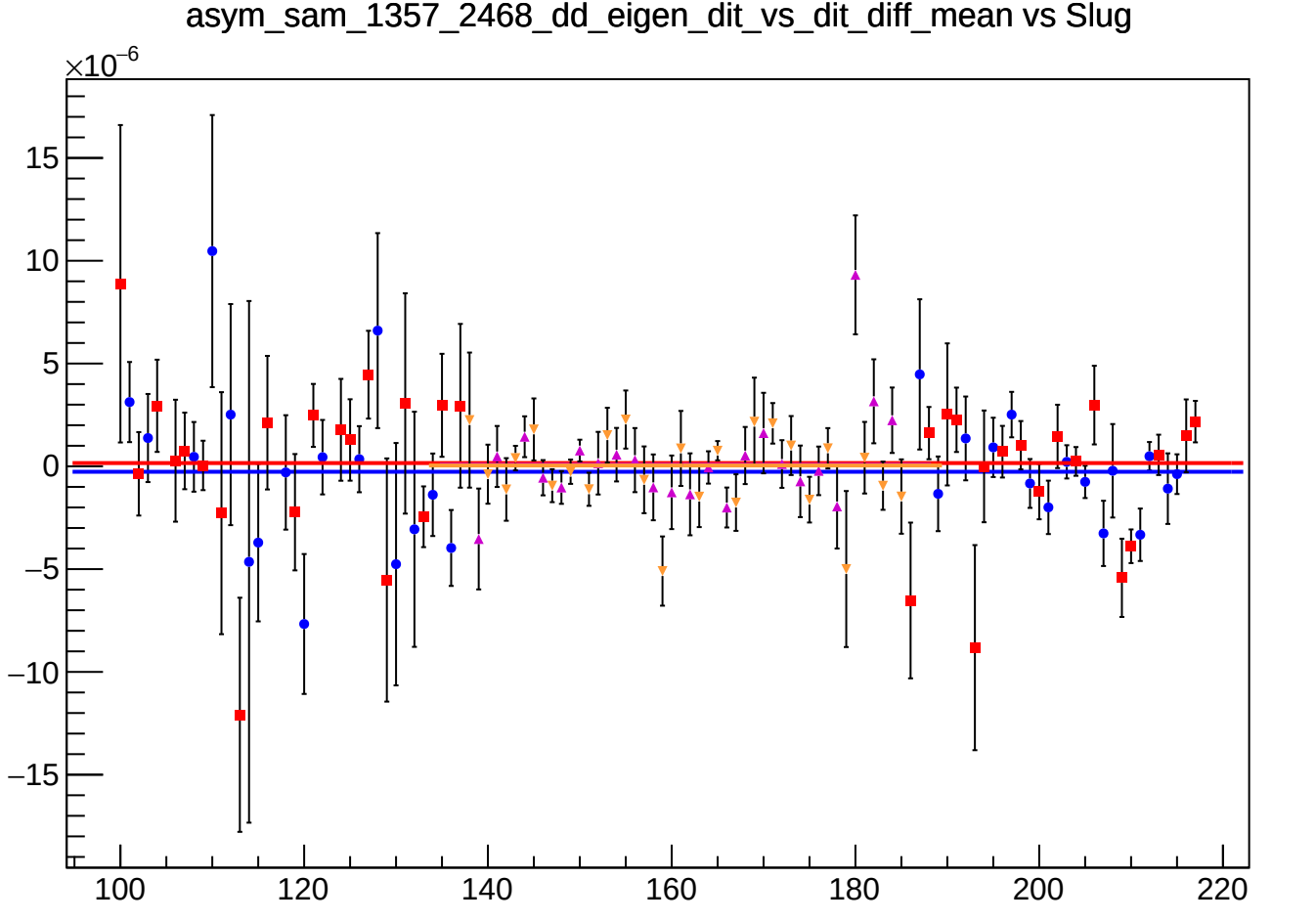
Right Out: 19.197+/-0.003 χ^2/NDF: 2310288.3/35

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 18.044+/-0.002 χ^2/NDF: 5537018.8/55

All: 18.012+/-0.002 χ^2/NDF: 10055902.6/114

- sign 17.981+/-0.002 χ^2/NDF: 4518458.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

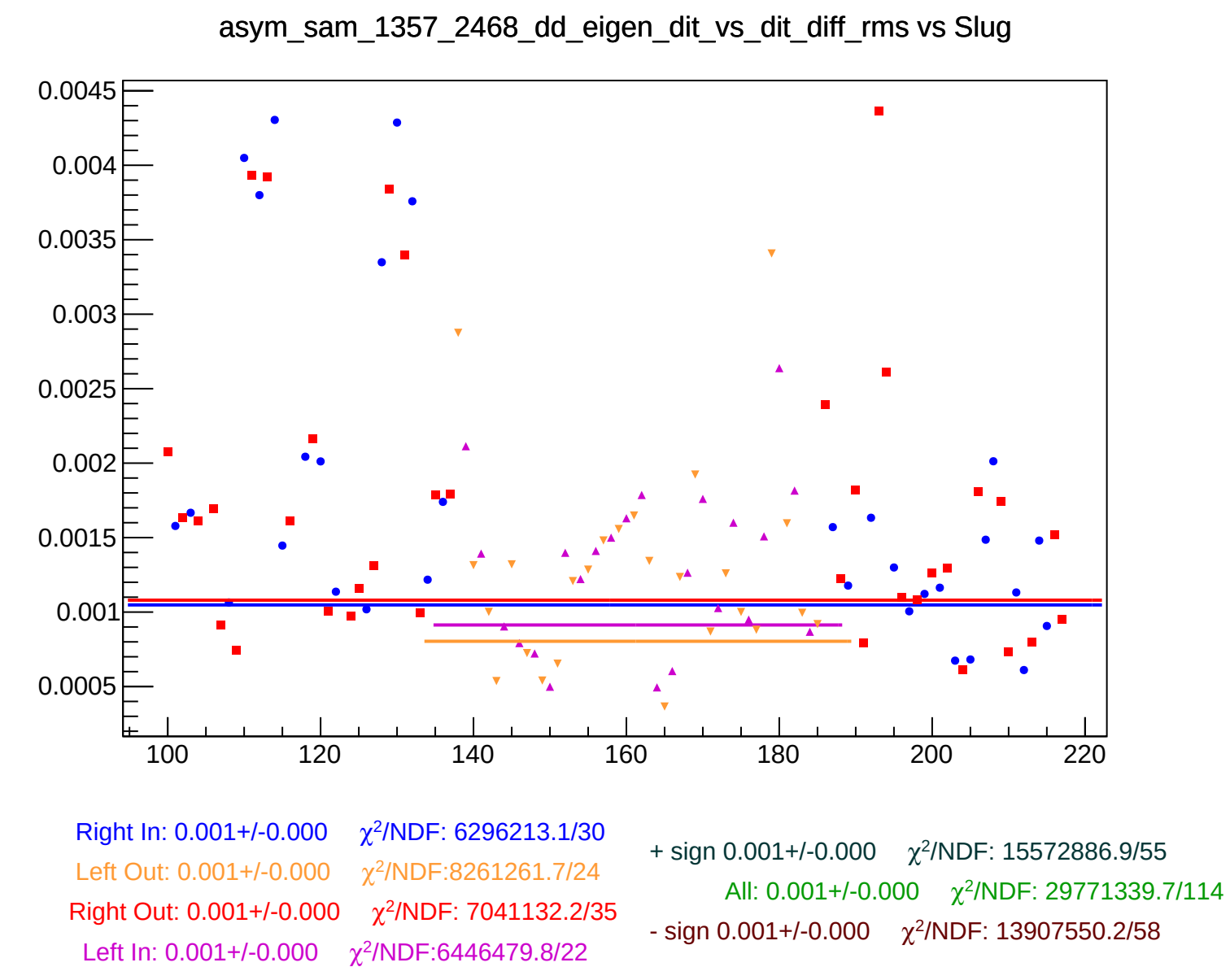
Right Out: 0.000+/-0.000 χ^2/NDF: 74.5/35

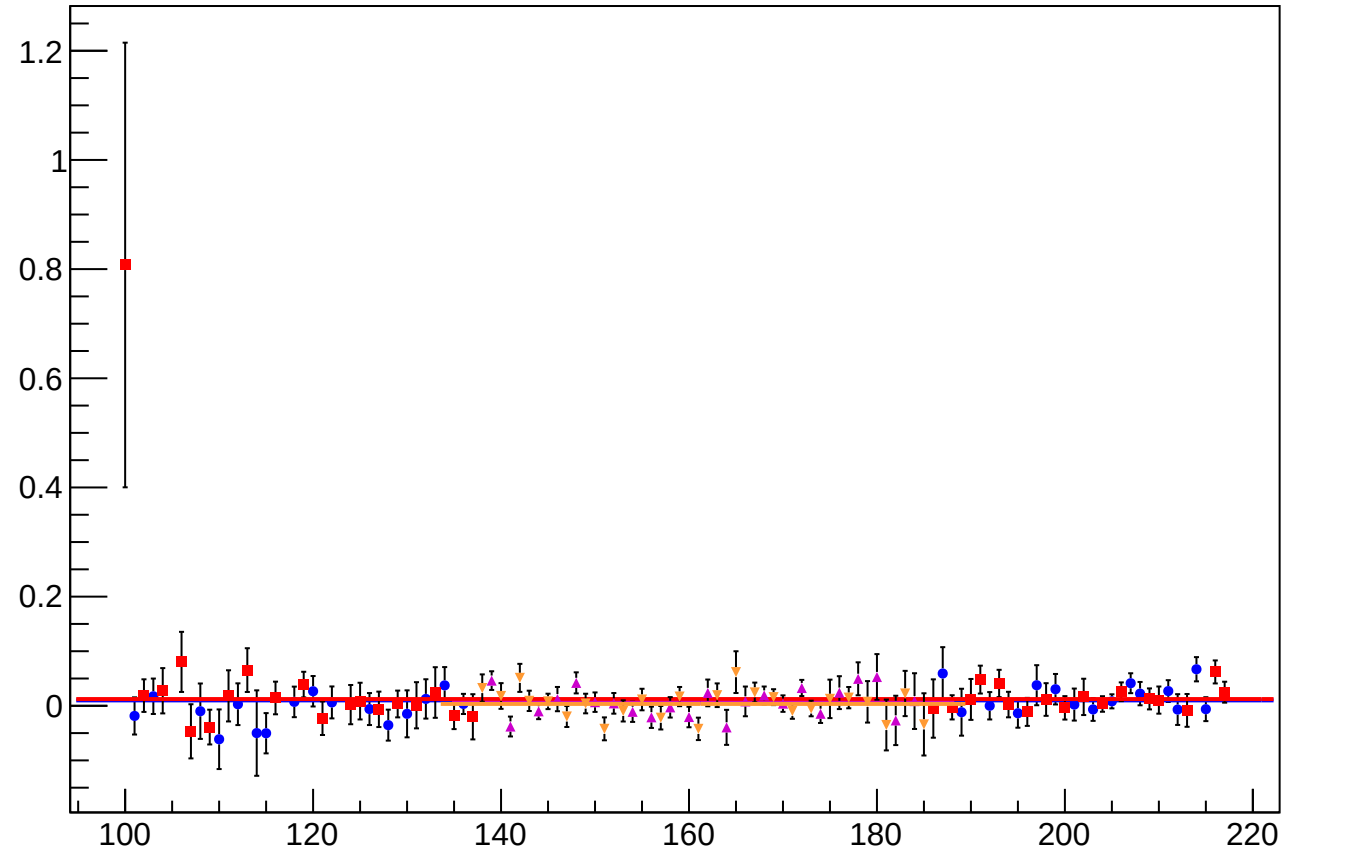
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.1/55

All: 0.000+/-0.000 χ^2/NDF: 187.1/114

- sign 0.000+/-0.000 χ^2/NDF: 105.5/58


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
220
Right In: 0.001+/-0.000 χ²/NDF: 6296213.1/30
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7041132.2/35
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15572886.9/55
All: 0.001+/-0.000 χ²/NDF: 29771339.7/114
- sign 0.001+/-0.000 χ²/NDF: 13907550.2/58



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

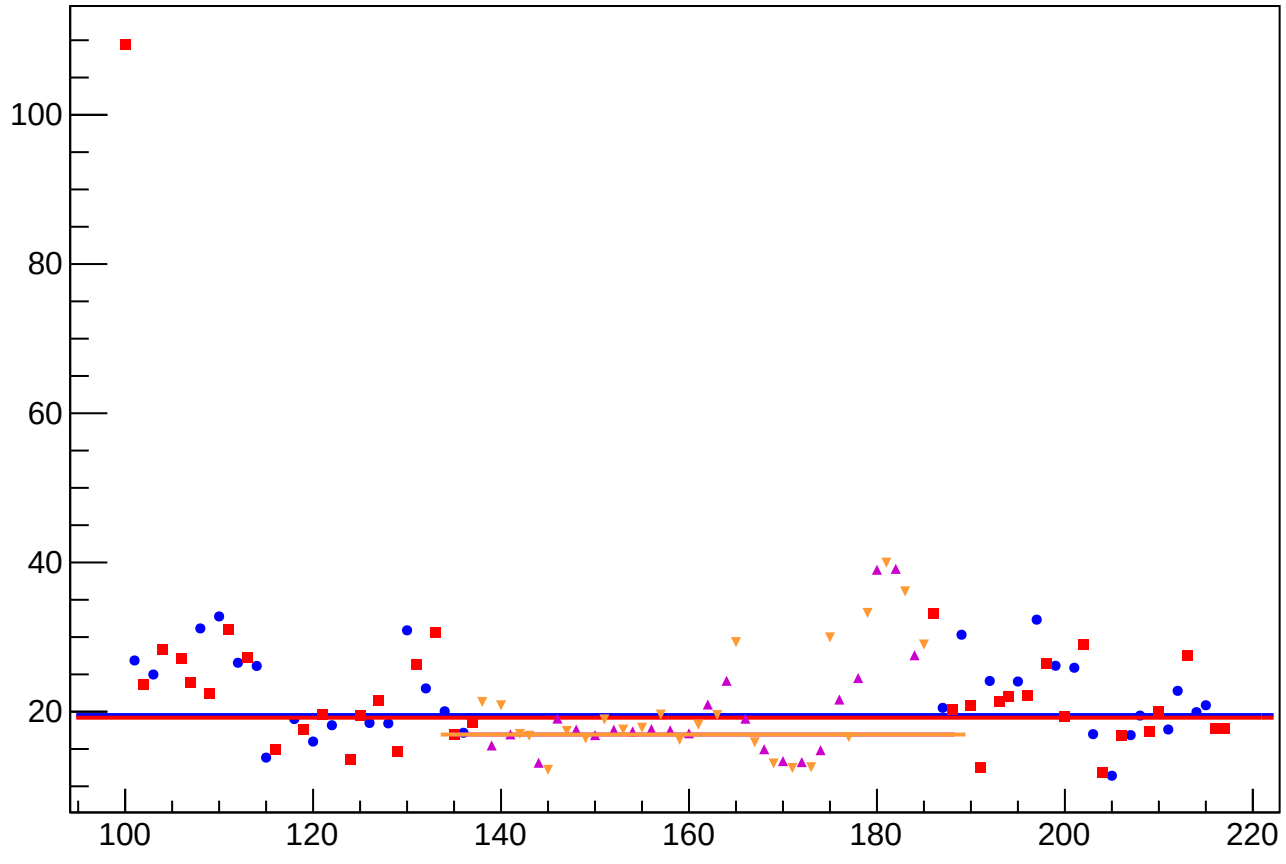
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.9/55

All: 0.007+/-0.002 χ^2/NDF: 118.4/114

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.549+/-0.003 χ^2/NDF: 2355228.6/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

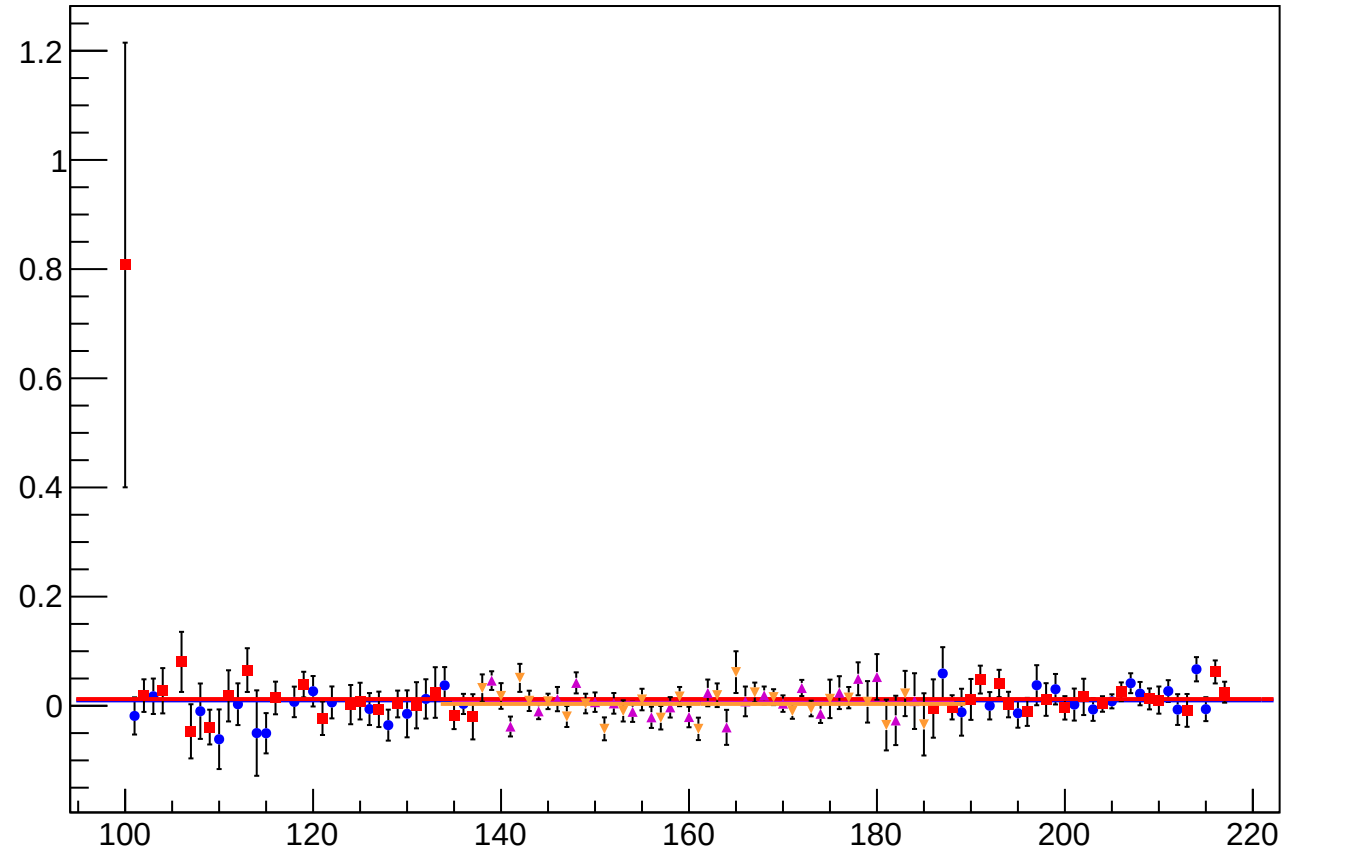
Right Out: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.044+/-0.002 χ^2/NDF: 5536918.7/55

All: 18.012+/-0.002 χ^2/NDF: 10055733.8/114

- sign 17.981+/-0.002 χ^2/NDF: 4518389.7/58



Right In: 0.010+/-0.005 χ^2/NDF: 25.8/30

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

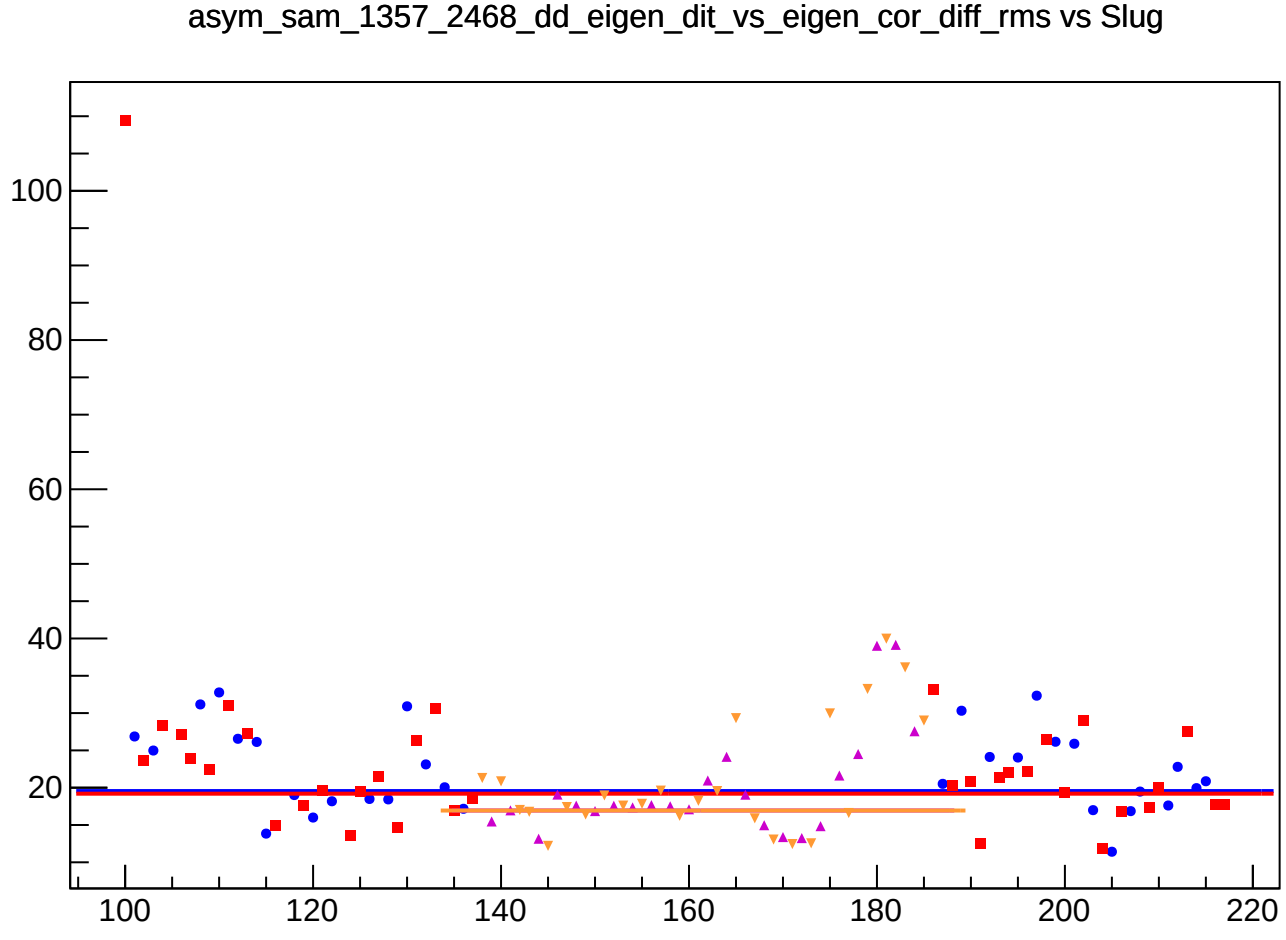
Right Out: 0.012+/-0.005 χ^2/NDF: 29.8/35

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.9/55

All: 0.007+/-0.002 χ^2/NDF: 118.4/114

- sign 0.009+/-0.003 χ^2/NDF: 64.2/58



Right In: 19.549+/-0.003 χ^2/NDF: 2355228.6/30

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

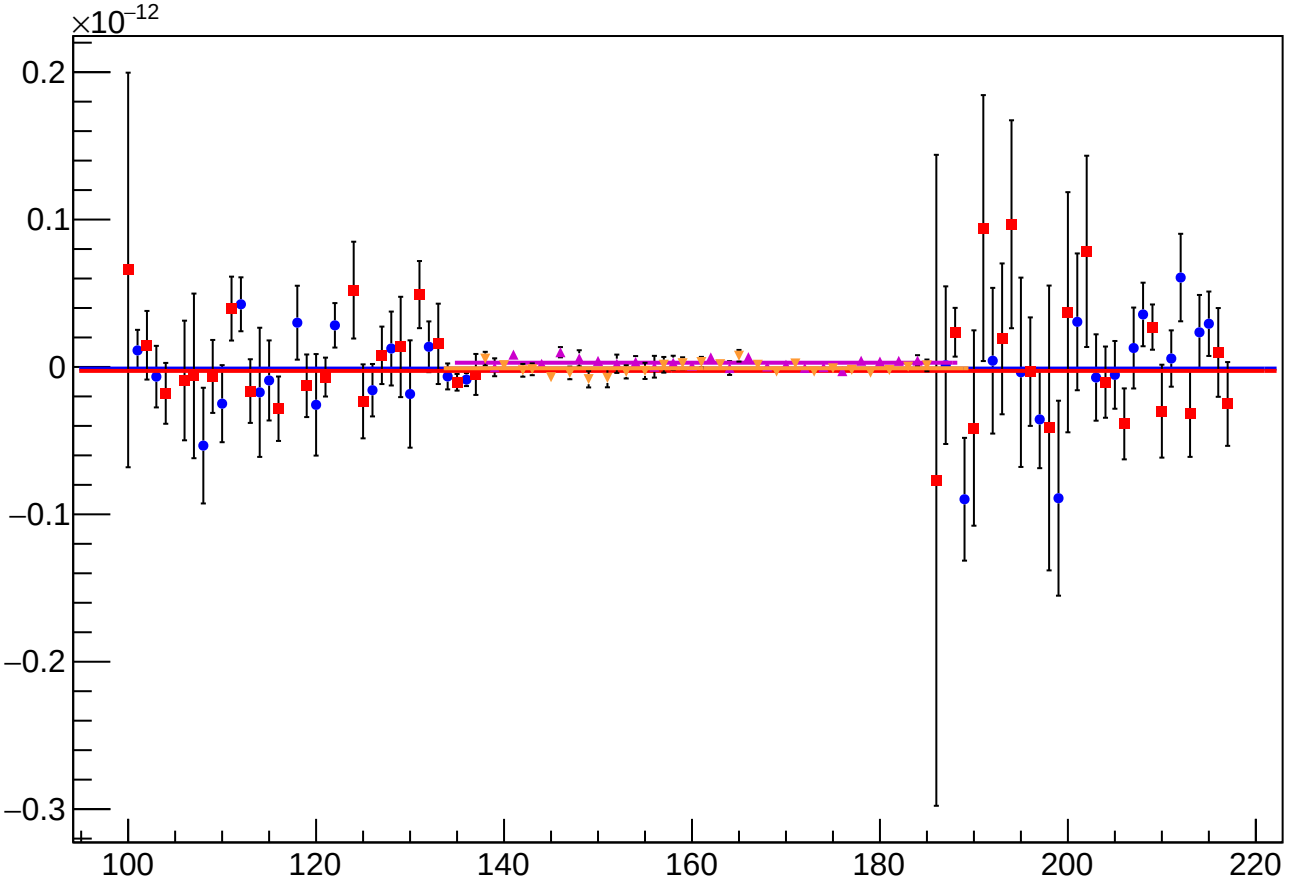
Right Out: 19.197+/-0.003 χ^2/NDF: 2310261.0/35

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 18.044+/-0.002 χ^2/NDF: 5536918.7/55

All: 18.012+/-0.002 χ^2/NDF: 10055733.8/114

- sign 17.981+/-0.002 χ^2/NDF: 4518389.7/58



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/30

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

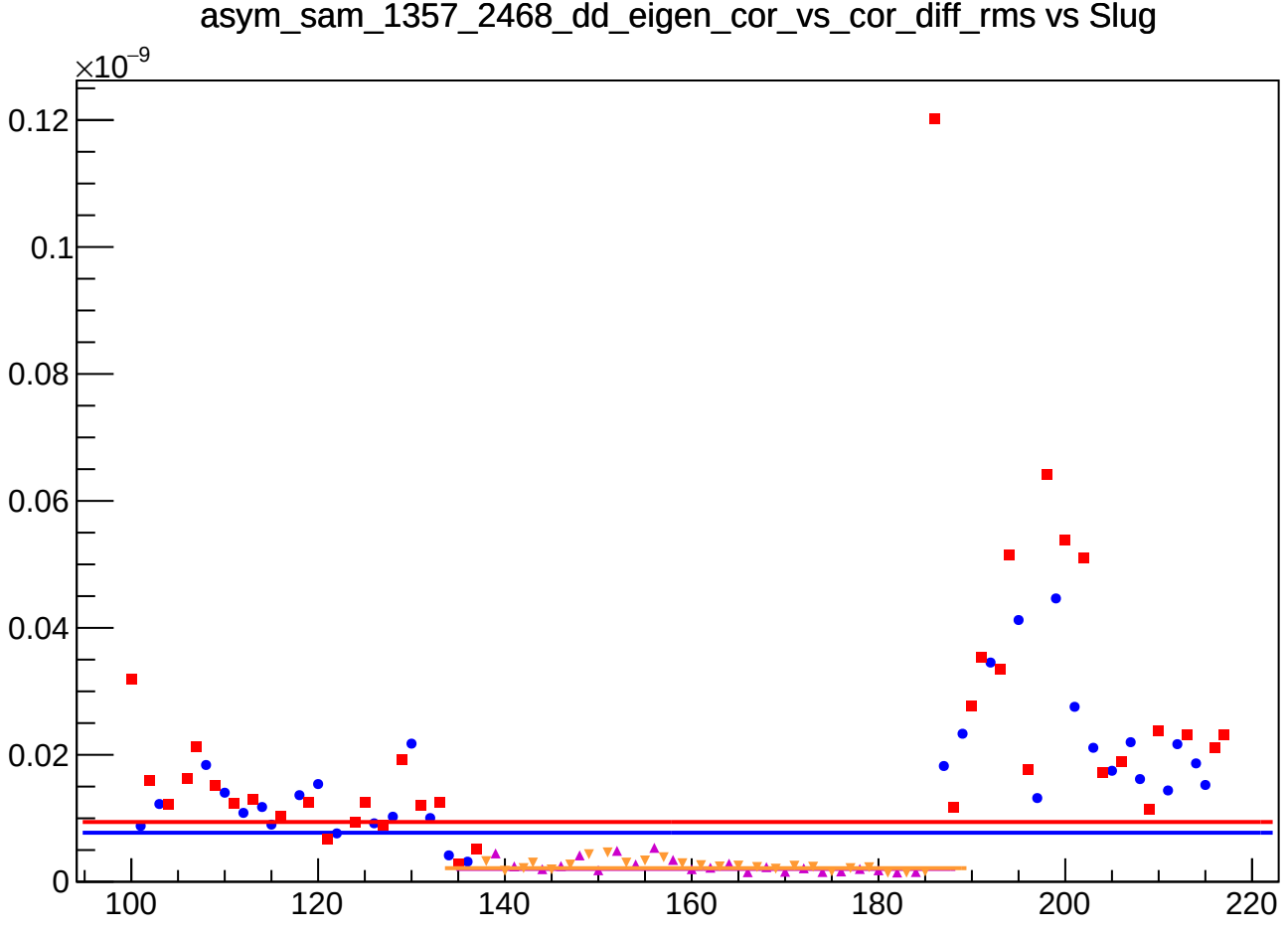
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/35

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.4/55

All: 0.000+/-0.000 χ^2/NDF: 140.0/114

- sign 0.000+/-0.000 χ^2/NDF: 61.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 8940773.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10240972.5/35

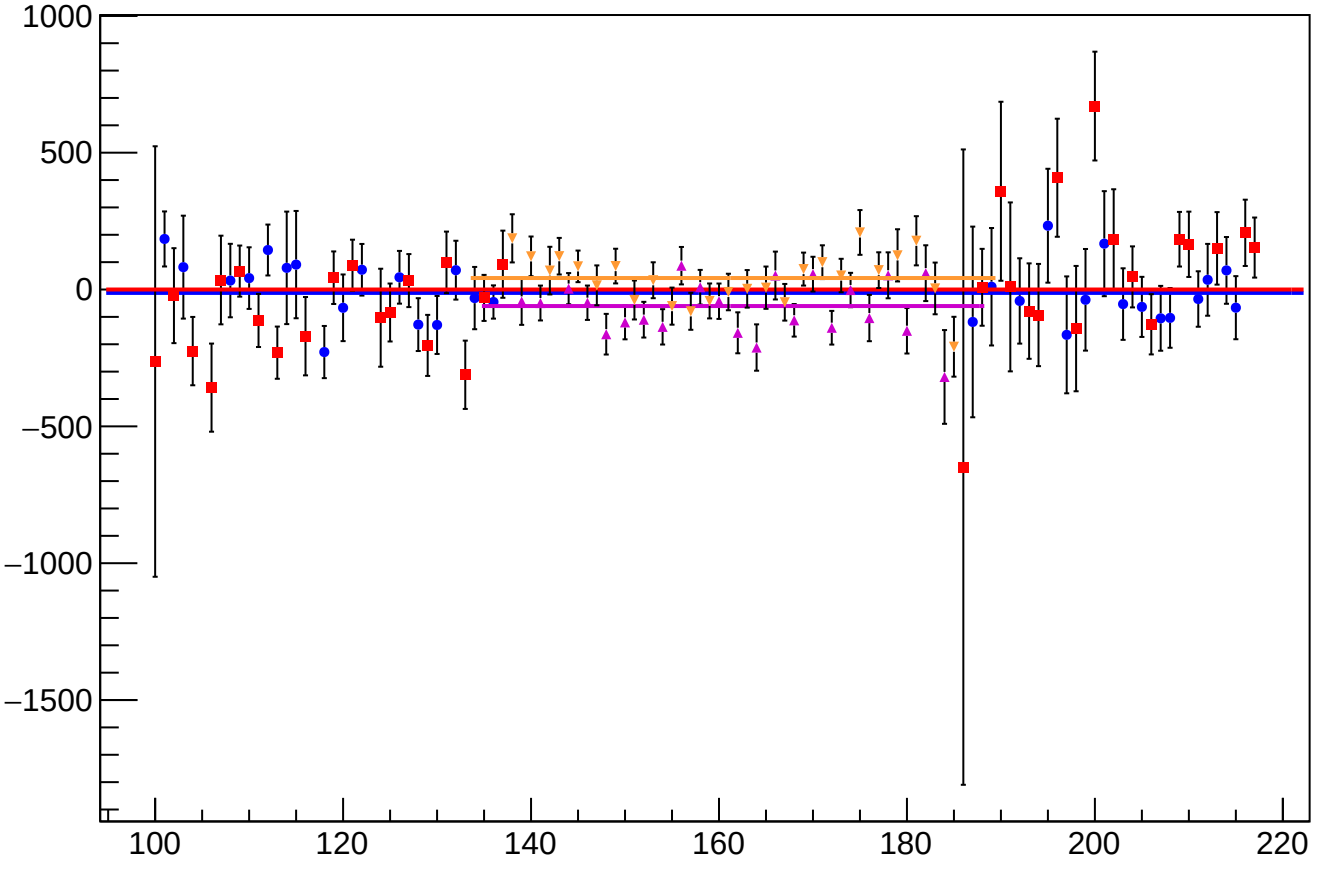
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17777764.6/55

All: 0.000+/-0.000 χ^2/NDF: 39421879.6/114

- sign 0.000+/-0.000 χ^2/NDF: 21606003.2/58

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -12.357+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.035+/-21.285 χ^2/NDF: 62.1/35

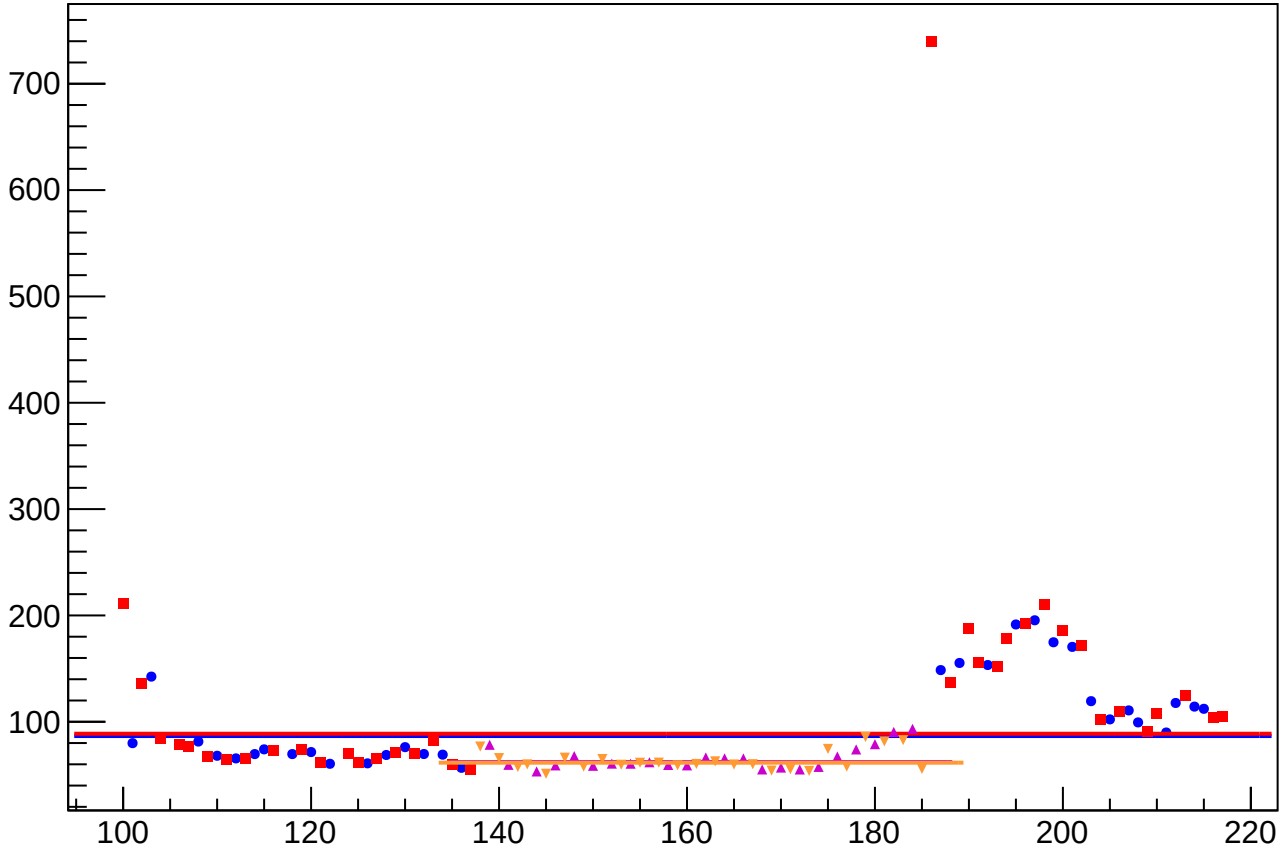
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.220+/-11.789 χ^2/NDF: 59.8/55

All: -6.944+/-8.445 χ^2/NDF: 174.8/114

- sign -40.843+/-12.103 χ^2/NDF: 99.7/58

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 86.585+/-0.015 χ^2/NDF: 4513418.6/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

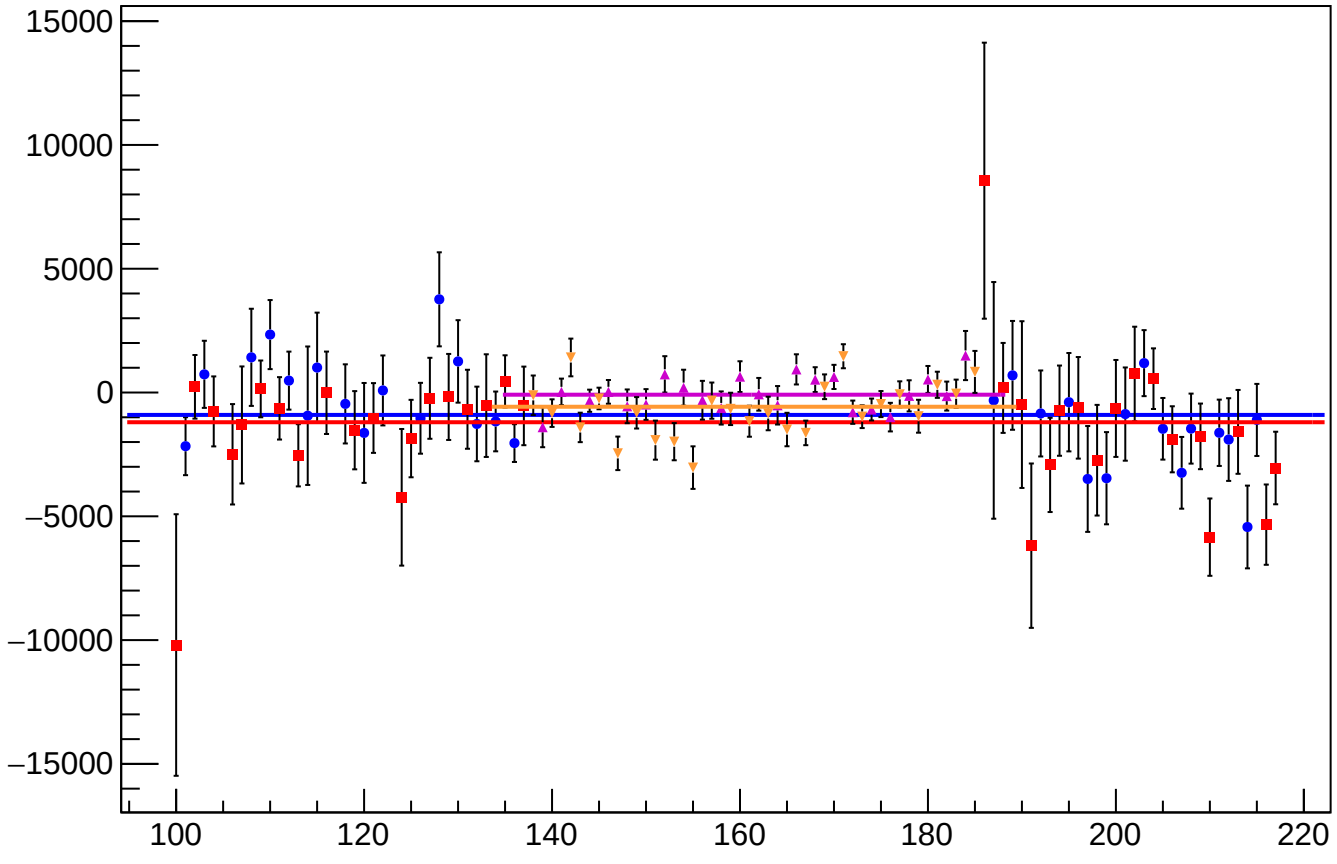
Right Out: 88.737+/-0.015 χ^2/NDF: 5718410.6/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.278+/-0.008 χ^2/NDF: 7077305.8/55

All: 69.991+/-0.006 χ^2/NDF: 15519877.9/114

- sign 70.743+/-0.009 χ^2/NDF: 8427540.5/58



Right In: -904.615+/-269.468 χ^2/NDF: 39.7/30

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

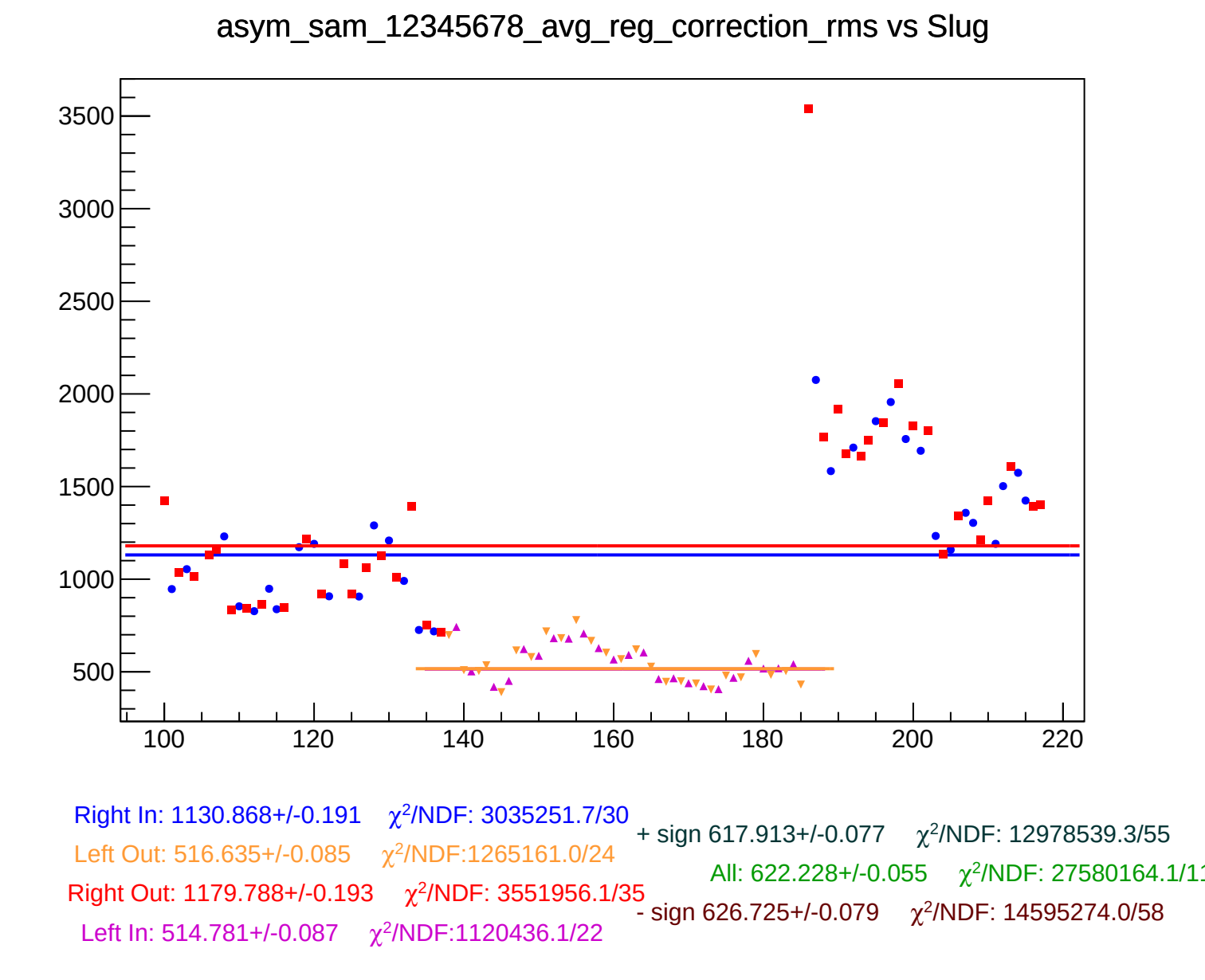
Right Out: -1200.347+/-272.268 χ^2/NDF: 40.8/35

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

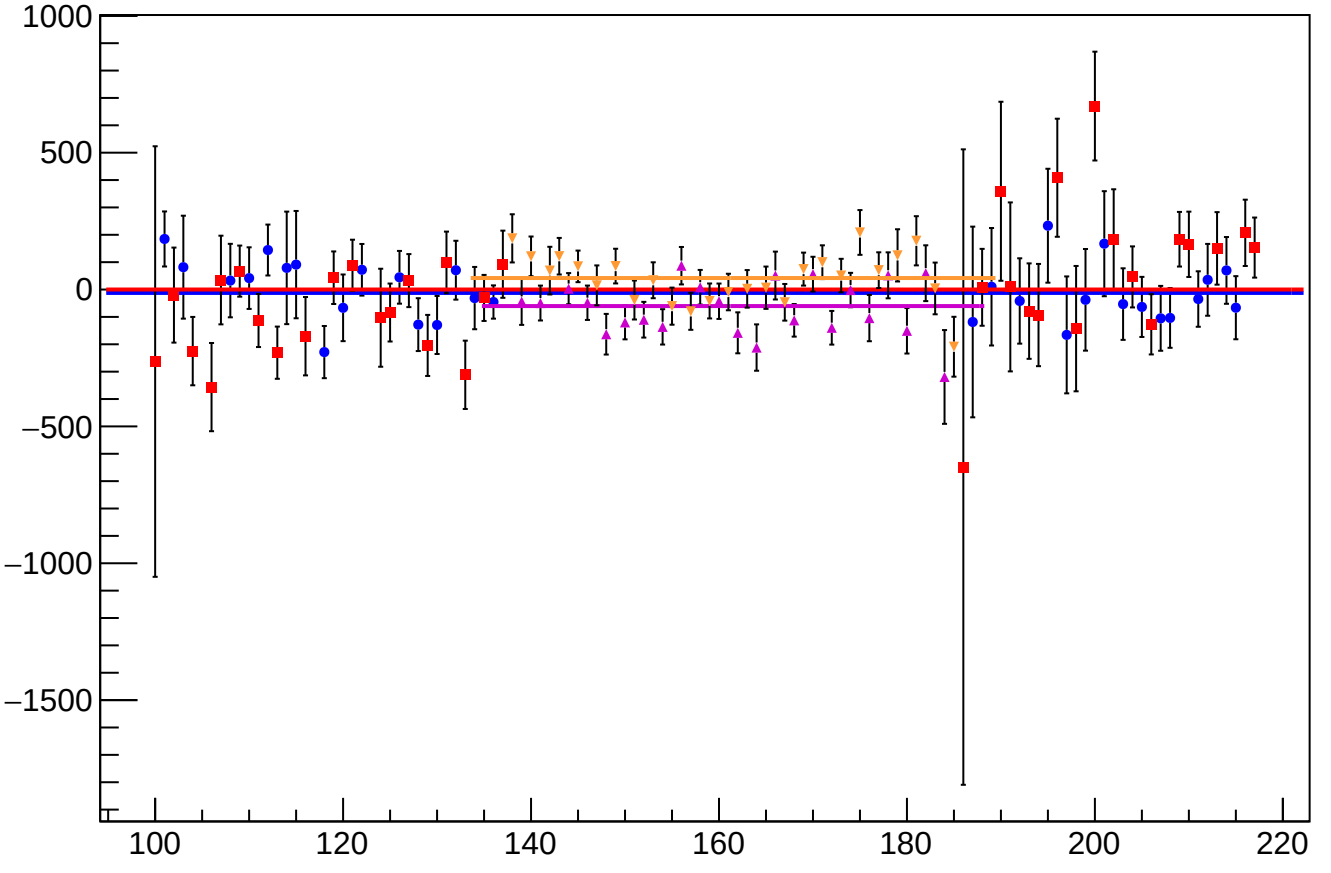
+ sign -629.196+/-109.420 χ^2/NDF: 109.8/55

All: -456.018+/-78.168 χ^2/NDF: 194.2/114

- sign -275.524+/-111.708 χ^2/NDF: 79.3/58


asym_sam_12345678_avg_reg_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1130.868+/-0.191 χ²/NDF: 3035251.7/30
Left Out: 516.635+/-0.085 χ²/NDF:1265161.0/24
Right Out: 1179.788+/-0.193 χ²/NDF: 3551956.1/35
Left In: 514.781+/-0.087 χ²/NDF:1120436.1/22
+ sign 617.913+/-0.077 χ²/NDF: 12978539.3/55
All: 622.228+/-0.055 χ²/NDF: 27580164.1/11
- sign 626.725+/-0.079 χ²/NDF: 14595274.0/58

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -12.364+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.115+/-21.286 χ^2/NDF: 62.0/35

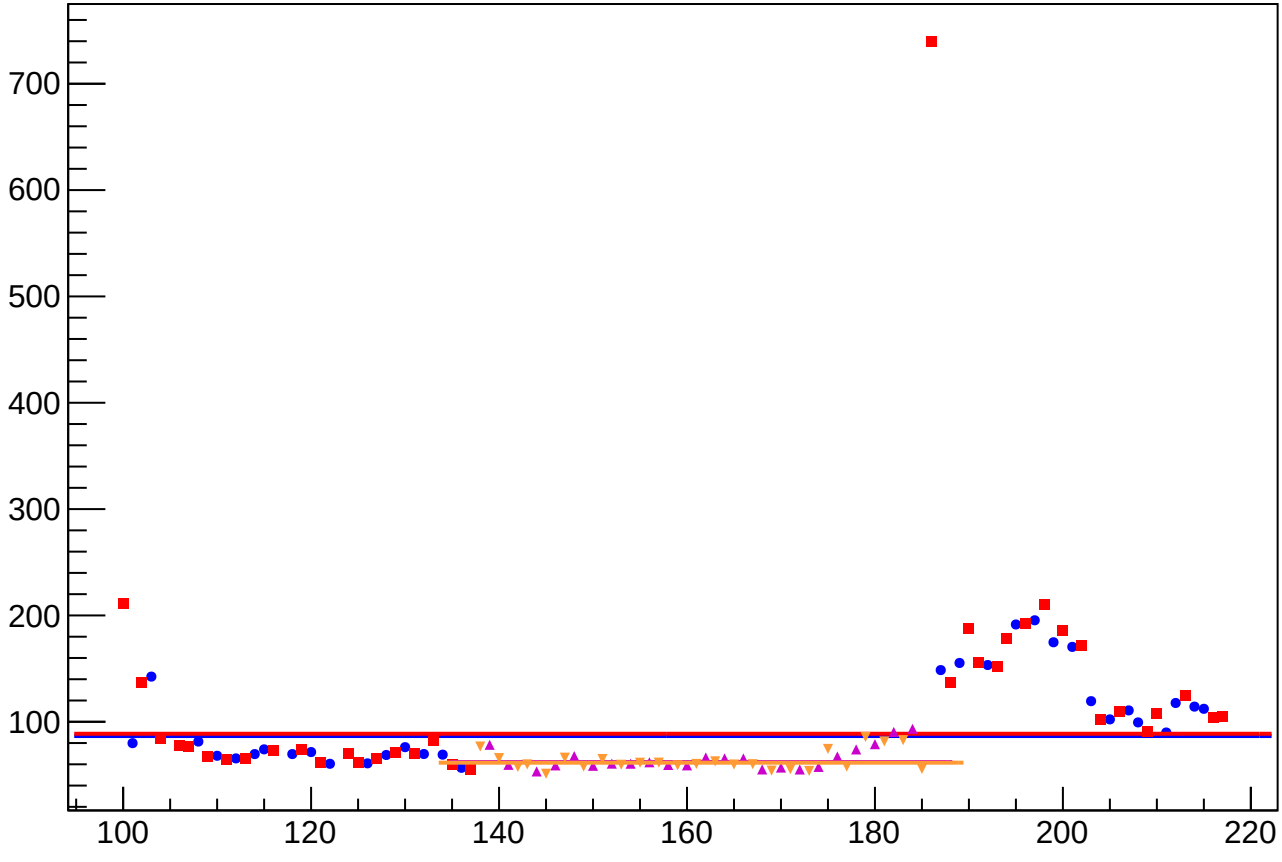
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.221+/-11.789 χ^2/NDF: 59.8/55

All: -6.930+/-8.445 χ^2/NDF: 174.8/114

- sign -40.818+/-12.104 χ^2/NDF: 99.7/58

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 86.585+/-0.015 χ^2/NDF: 4513421.7/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

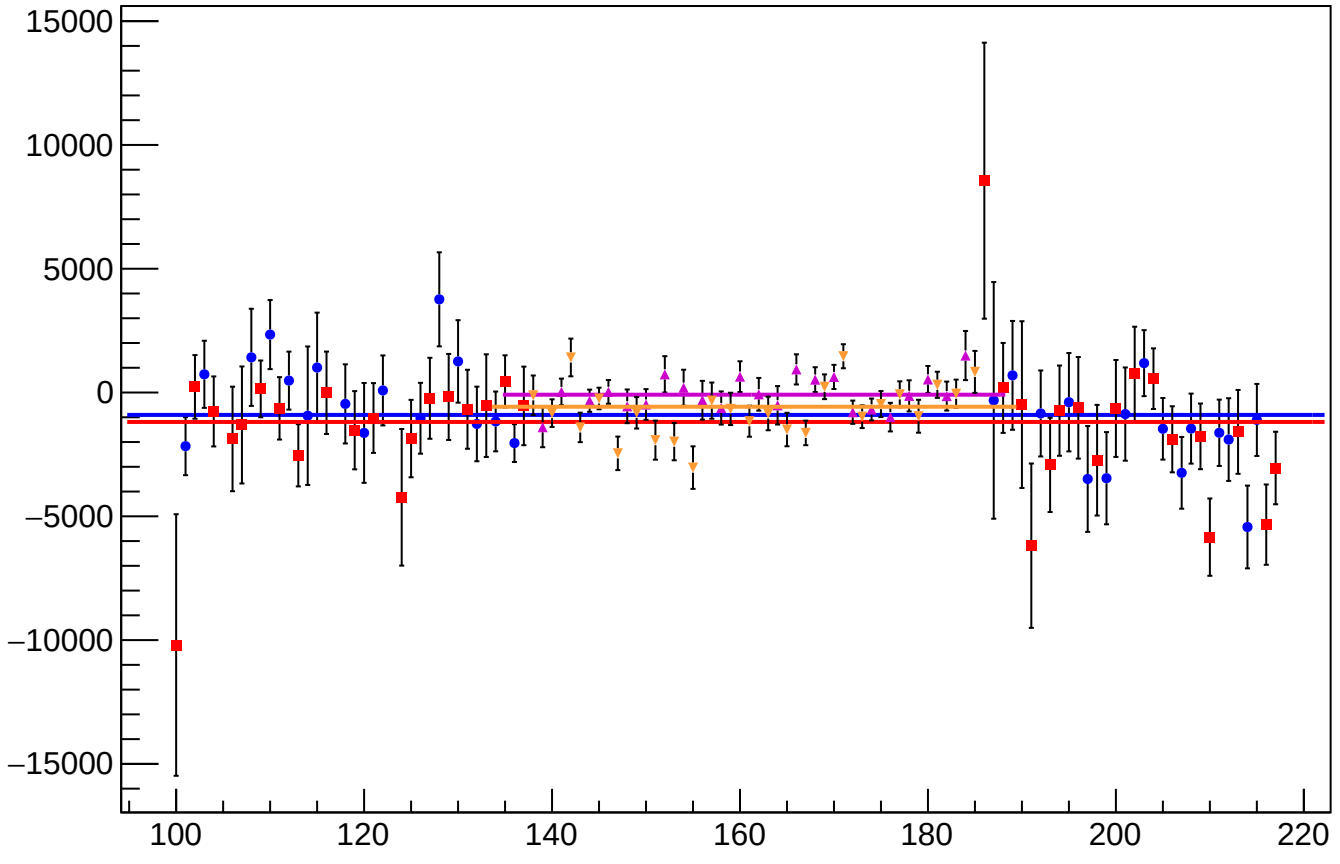
Right Out: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.278+/-0.008 χ^2/NDF: 7077308.9/55

All: 69.989+/-0.006 χ^2/NDF: 15519308.1/114

- sign 70.739+/-0.009 χ^2/NDF: 8427050.4/58



Right In: -904.600+/-269.469 χ^2/NDF: 39.7/30

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

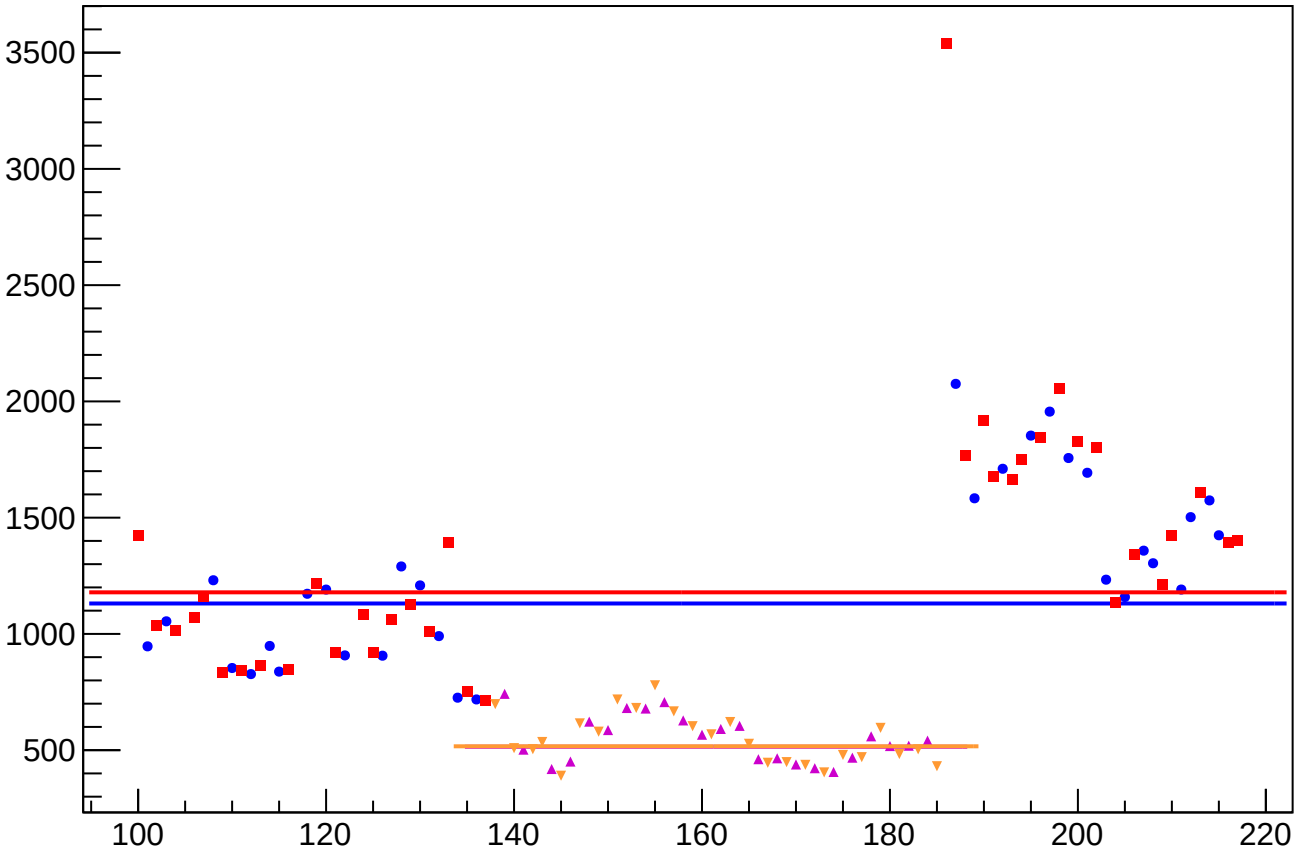
Right Out: -1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -629.188+/-109.420 χ^2/NDF: 109.8/55

All: -454.952+/-78.173 χ^2/NDF: 193.6/114

- sign -273.310+/-111.722 χ^2/NDF: 78.7/58



Right In: 1130.871+/-0.191 χ^2/NDF: 3035242.0/30

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1178.855+/-0.193 χ^2/NDF: 3555987.3/35

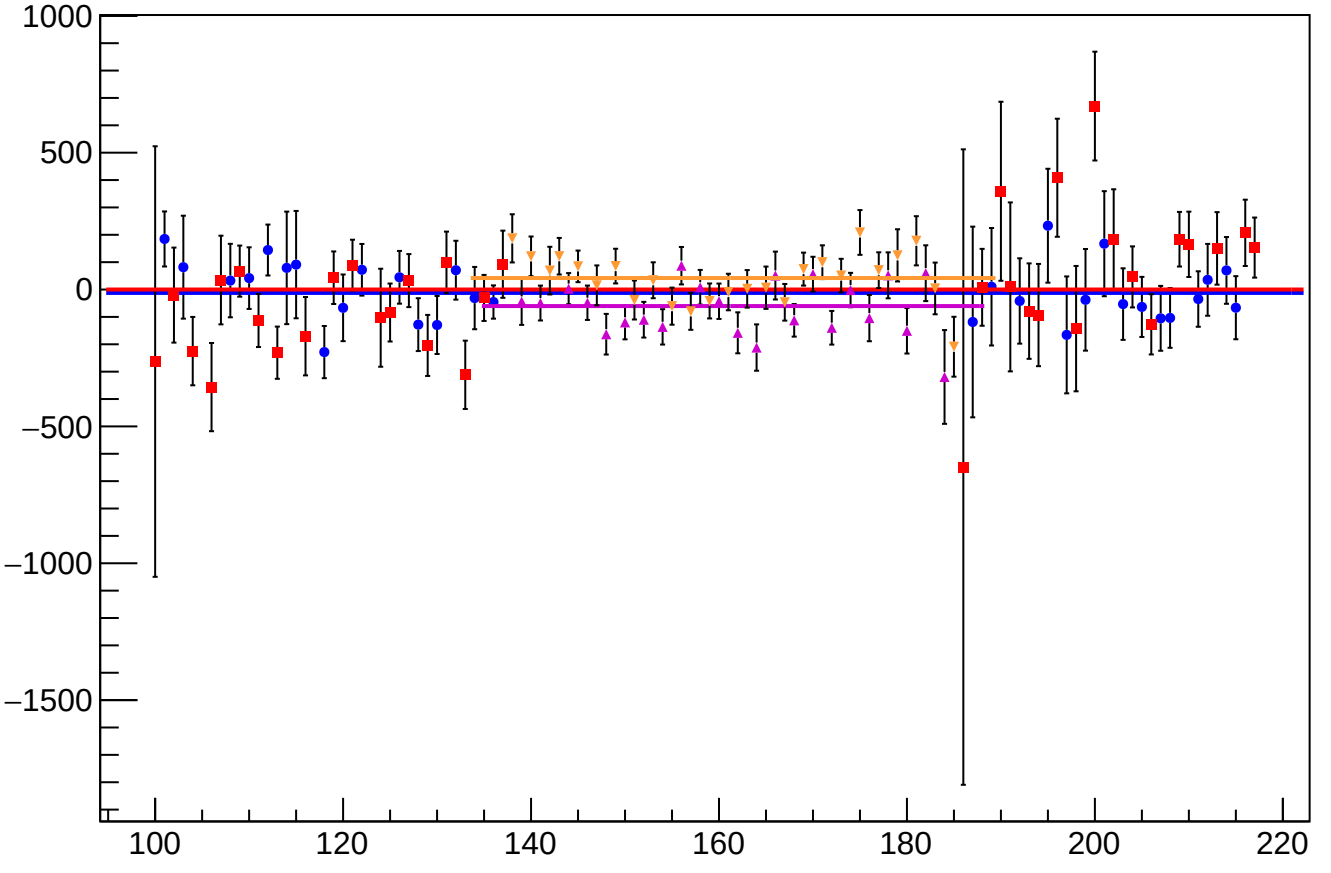
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 617.913+/-0.077 χ^2/NDF: 12978593.8/55

All: 622.084+/-0.055 χ^2/NDF: 27543931.5/11

- sign 626.431+/-0.079 χ^2/NDF: 14559403.1/58

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -12.364+/-21.214 χ^2/NDF: 23.3/30

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 0.115+/-21.286 χ^2/NDF: 62.0/35

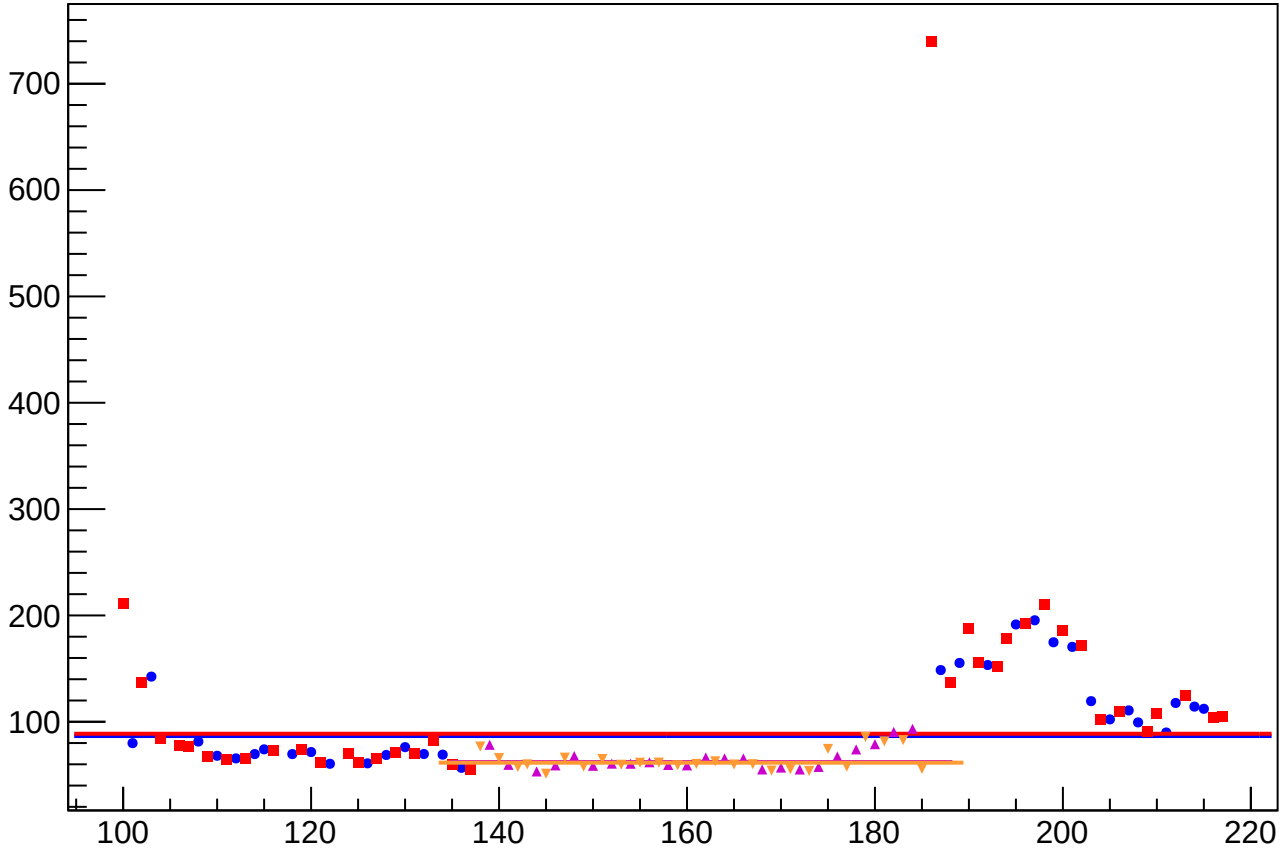
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 25.221+/-11.789 χ^2/NDF: 59.8/55

All: -6.930+/-8.445 χ^2/NDF: 174.8/114

- sign -40.818+/-12.104 χ^2/NDF: 99.7/58

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 86.585+/-0.015 χ^2/NDF: 4513421.7/30

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

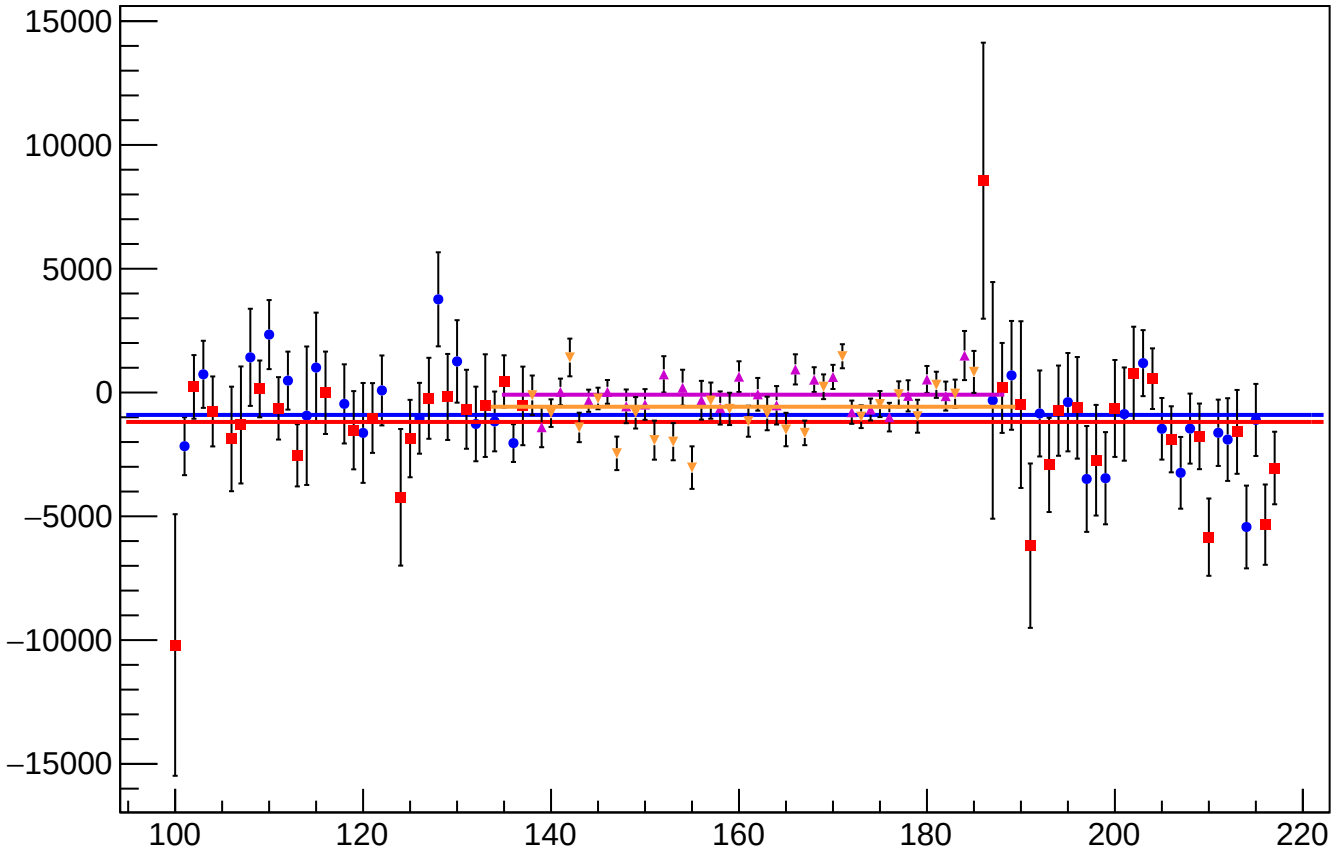
Right Out: 88.726+/-0.015 χ^2/NDF: 5719826.7/35

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 69.278+/-0.008 χ^2/NDF: 7077308.9/55

All: 69.989+/-0.006 χ^2/NDF: 15519308.1/114

- sign 70.739+/-0.009 χ^2/NDF: 8427050.4/58



Right In: -904.600+/-269.469 χ^2/NDF: 39.7/30

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

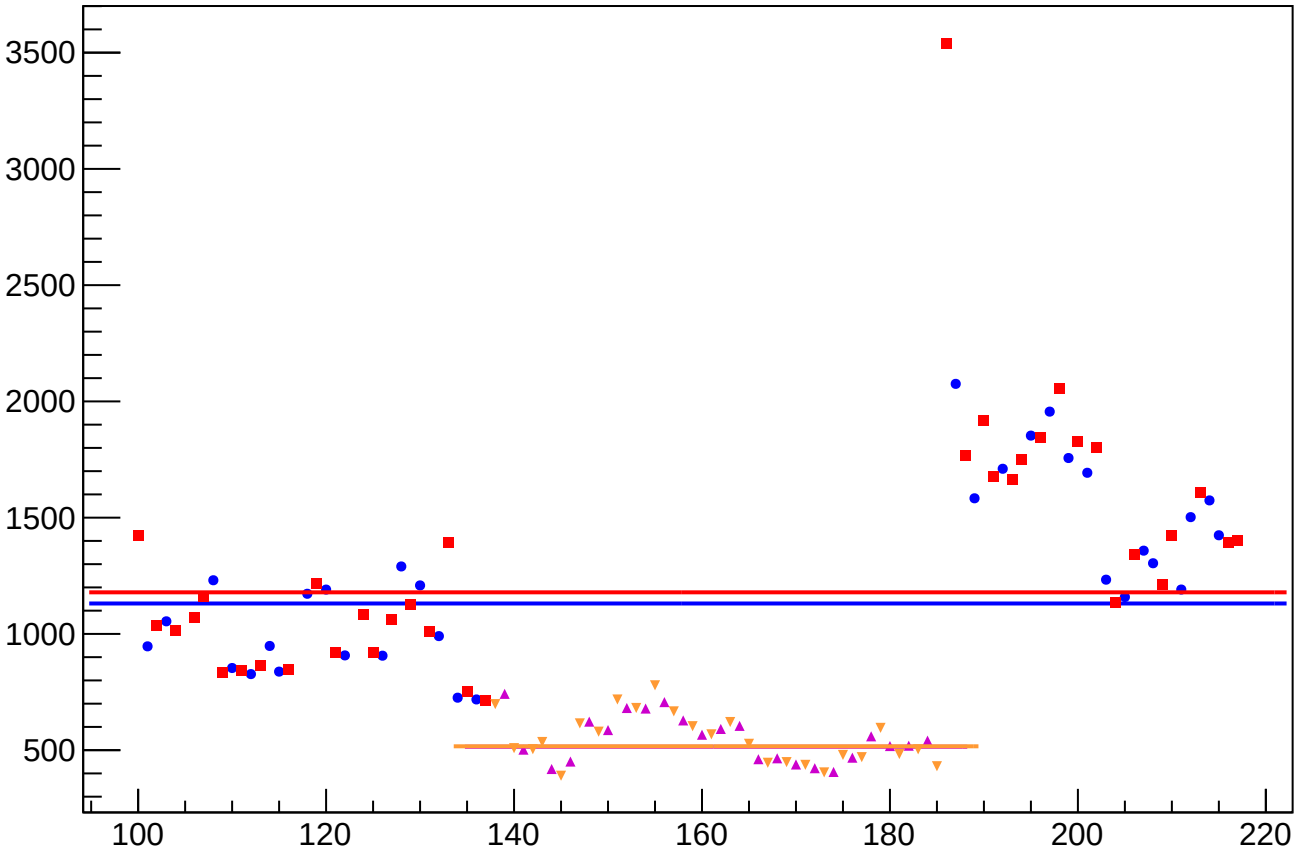
Right Out: -1188.540+/-272.468 χ^2/NDF: 40.5/35

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

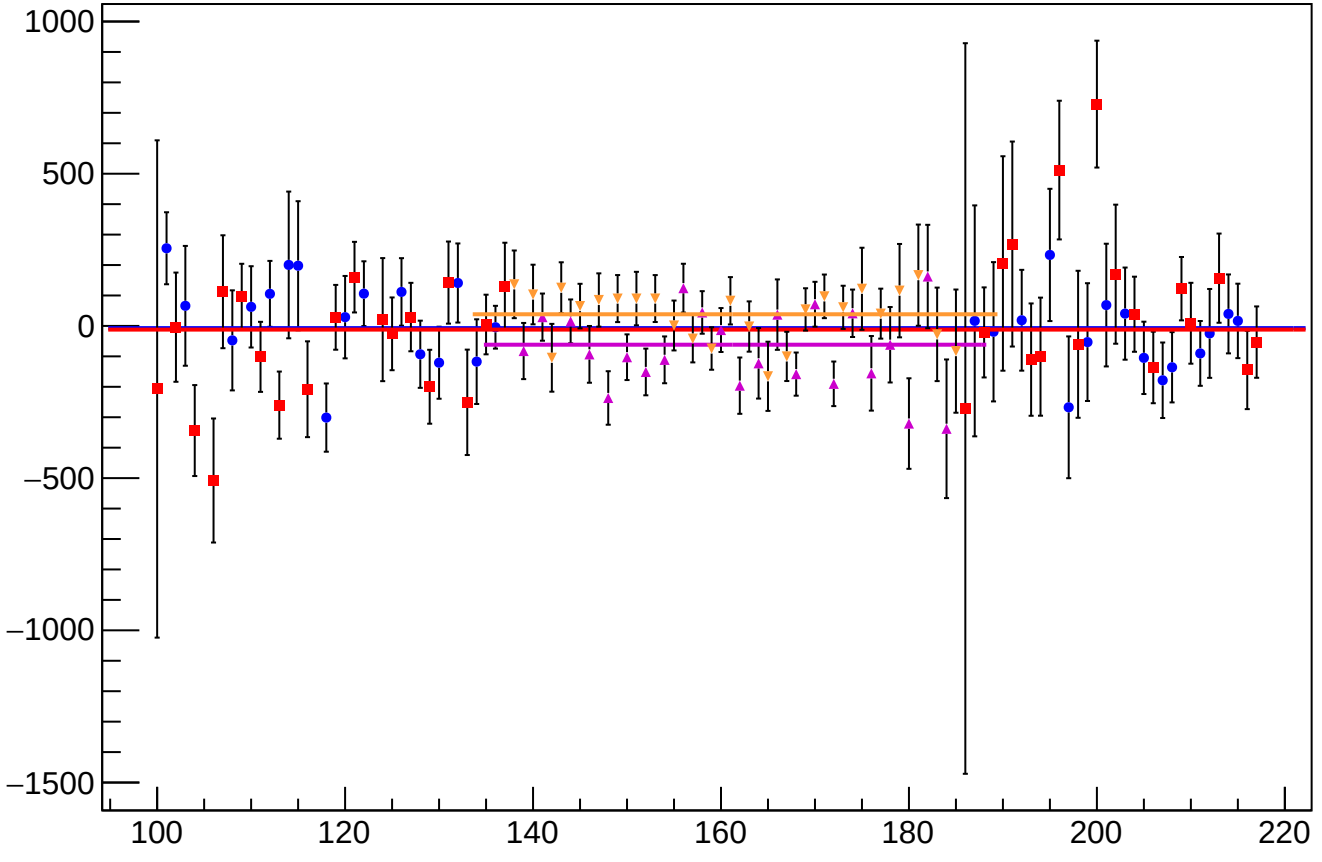
+ sign -629.188+/-109.420 χ^2/NDF: 109.8/55

All: -454.952+/-78.173 χ^2/NDF: 193.6/114

- sign -273.310+/-111.722 χ^2/NDF: 78.7/58


asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1130.871+/-0.191 χ²/NDF: 3035242.0/30
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1178.855+/-0.193 χ²/NDF: 3555987.3/35
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 617.913+/-0.077 χ²/NDF: 12978593.8/55
All: 622.084+/-0.055 χ²/NDF: 27543931.5/11
- sign 626.431+/-0.079 χ²/NDF: 14559403.1/58

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -7.235+/-23.867 χ^2/NDF: 28.3/30

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -12.086+/-24.074 χ^2/NDF: 54.5/35

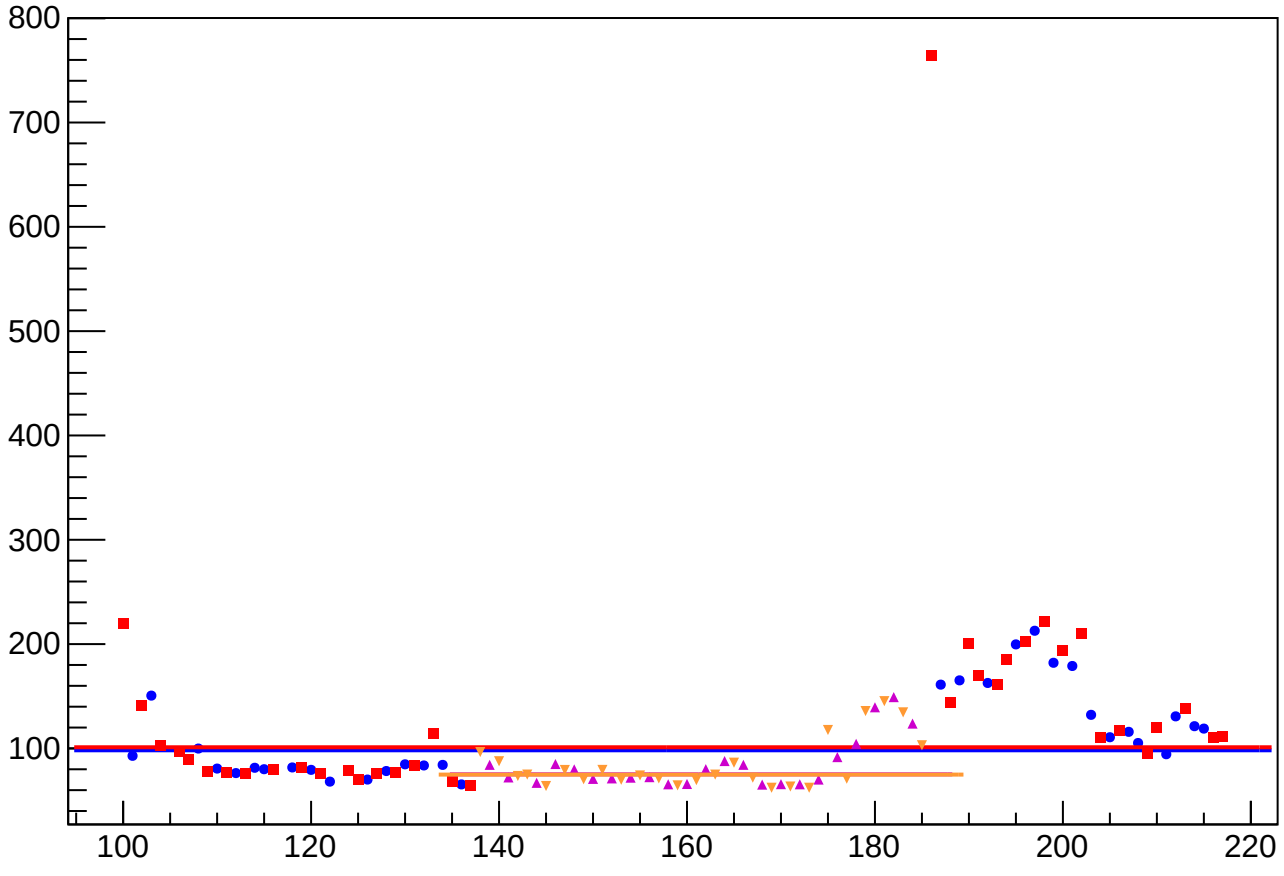
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.167+/-14.201 χ^2/NDF: 49.4/55

All: -10.041+/-10.151 χ^2/NDF: 153.8/114

- sign -43.682+/-14.514 χ^2/NDF: 93.9/58

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.206+/-0.017 χ^2/NDF: 3767661.7/30

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

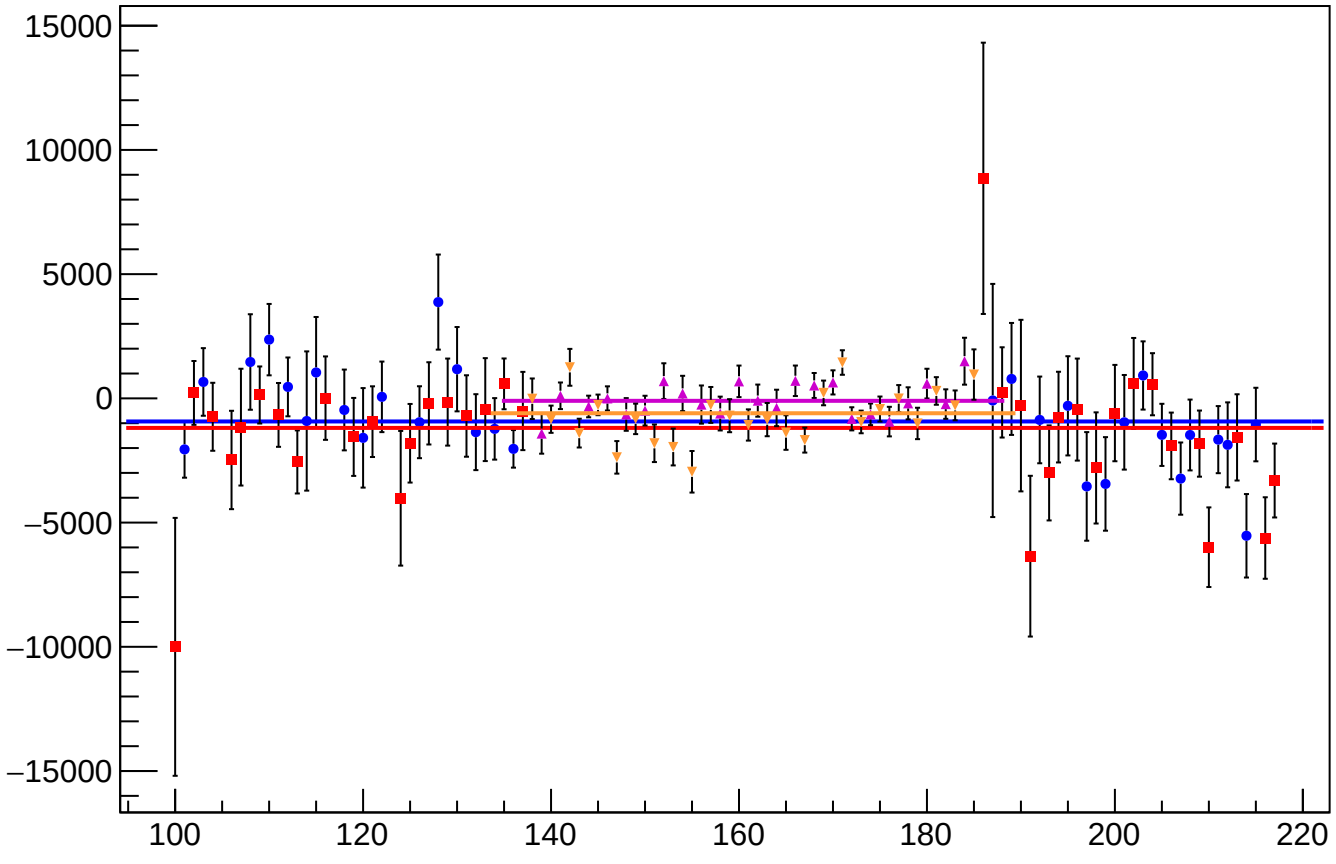
Right Out: 101.097+/-0.017 χ^2/NDF: 4980748.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 83.153+/-0.010 χ^2/NDF: 6660831.7/55

All: 83.853+/-0.007 χ^2/NDF: 14442299.2/114

- sign 84.584+/-0.010 χ^2/NDF: 7771530.4/58



Right In: -929.231+/-271.306 χ^2/NDF: 38.8/30

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -1189.124+/-272.766 χ^2/NDF: 43.4/35

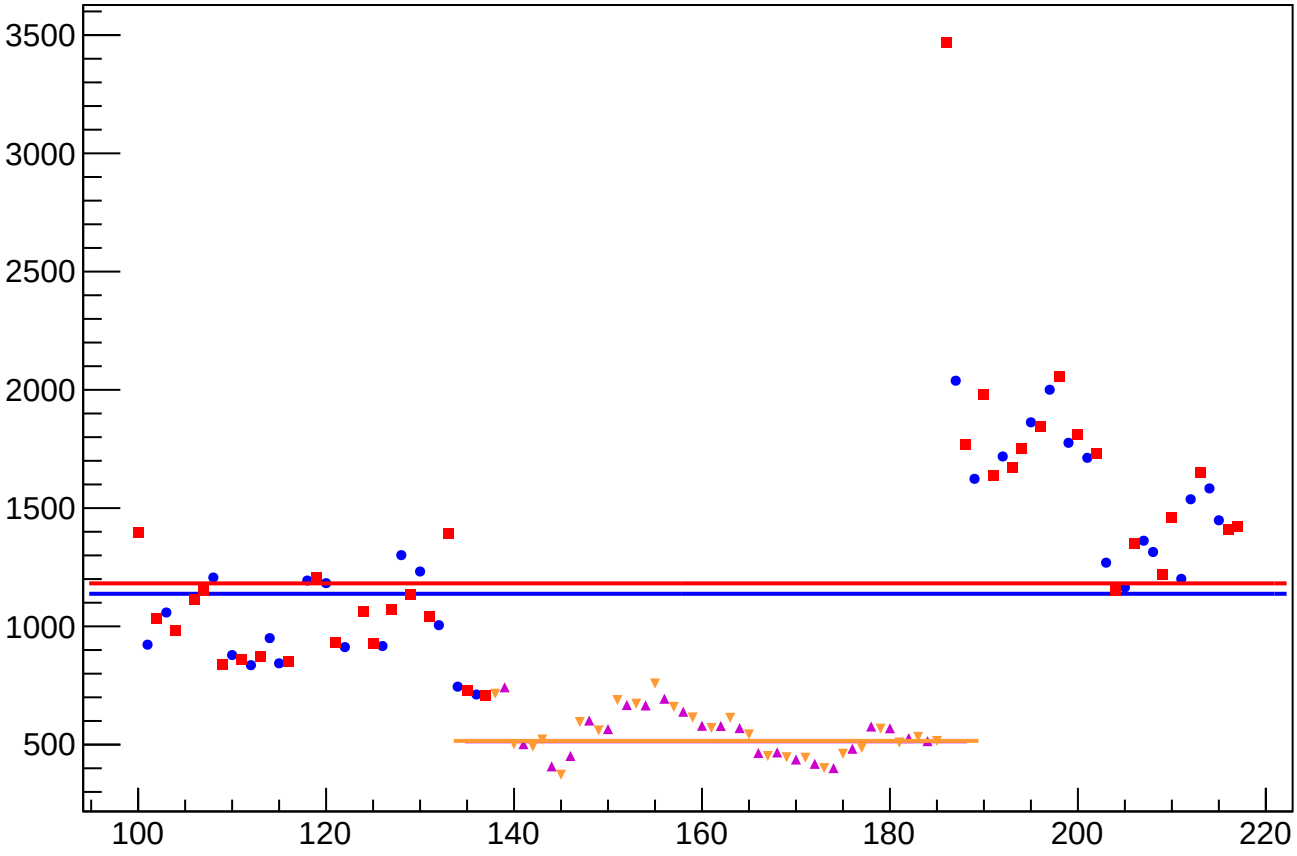
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

\+ sign -652.379+/-109.226 χ^2/NDF: 105.1/55

All: -470.972+/-78.062 χ^2/NDF: 191.1/114

\- sign -281.581+/-111.604 χ^2/NDF: 80.3/58

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1137.752+/-0.192 χ^2/NDF: 3107692.0/30

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1181.822+/-0.193 χ^2/NDF: 3582970.1/35

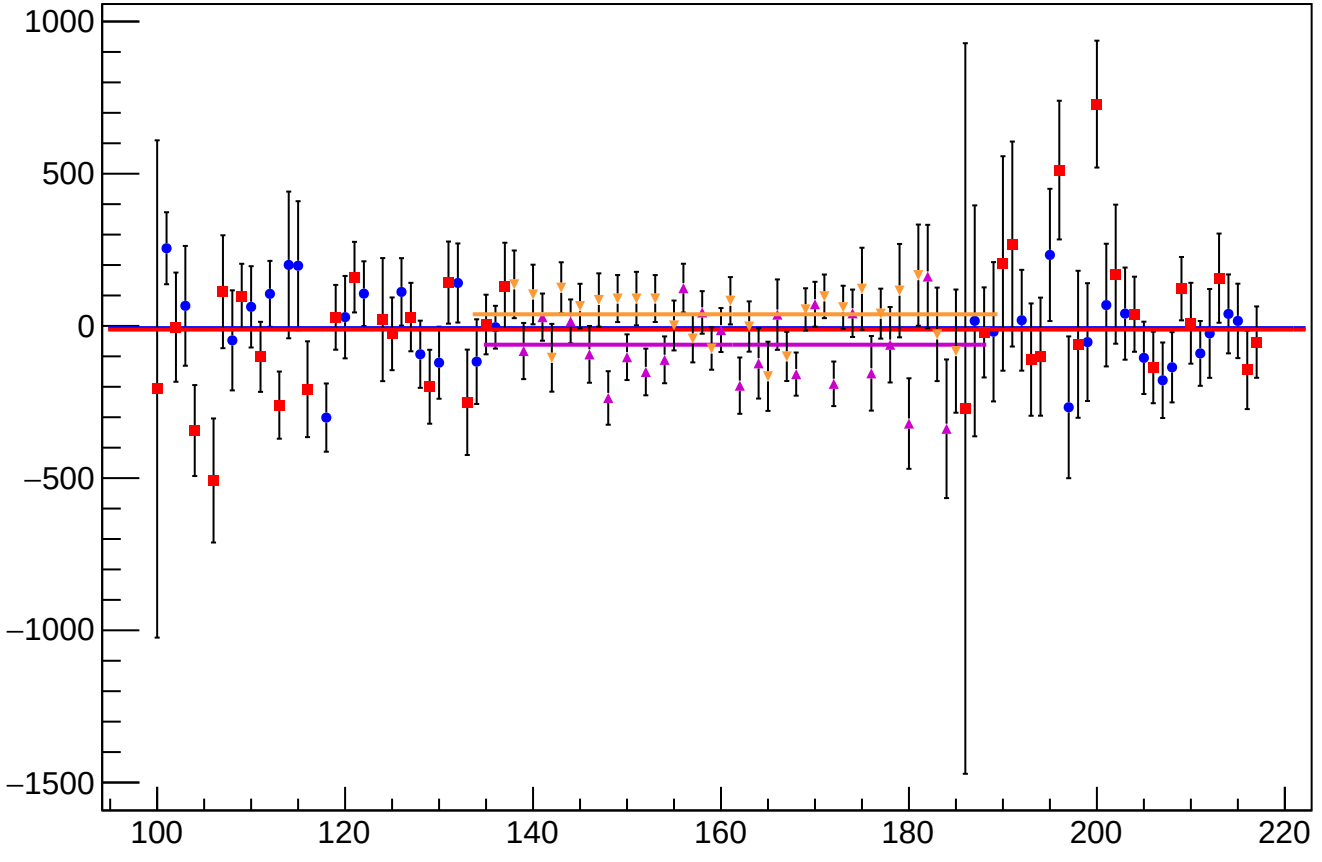
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 616.575+/-0.077 χ^2/NDF: 13148197.8/55

All: 621.124+/-0.055 χ^2/NDF: 27834145.9/11

- sign 625.872+/-0.079 χ^2/NDF: 14678859.4/58

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -7.234+/-23.867 χ^2/NDF: 28.3/30

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -12.084+/-24.074 χ^2/NDF: 54.5/35

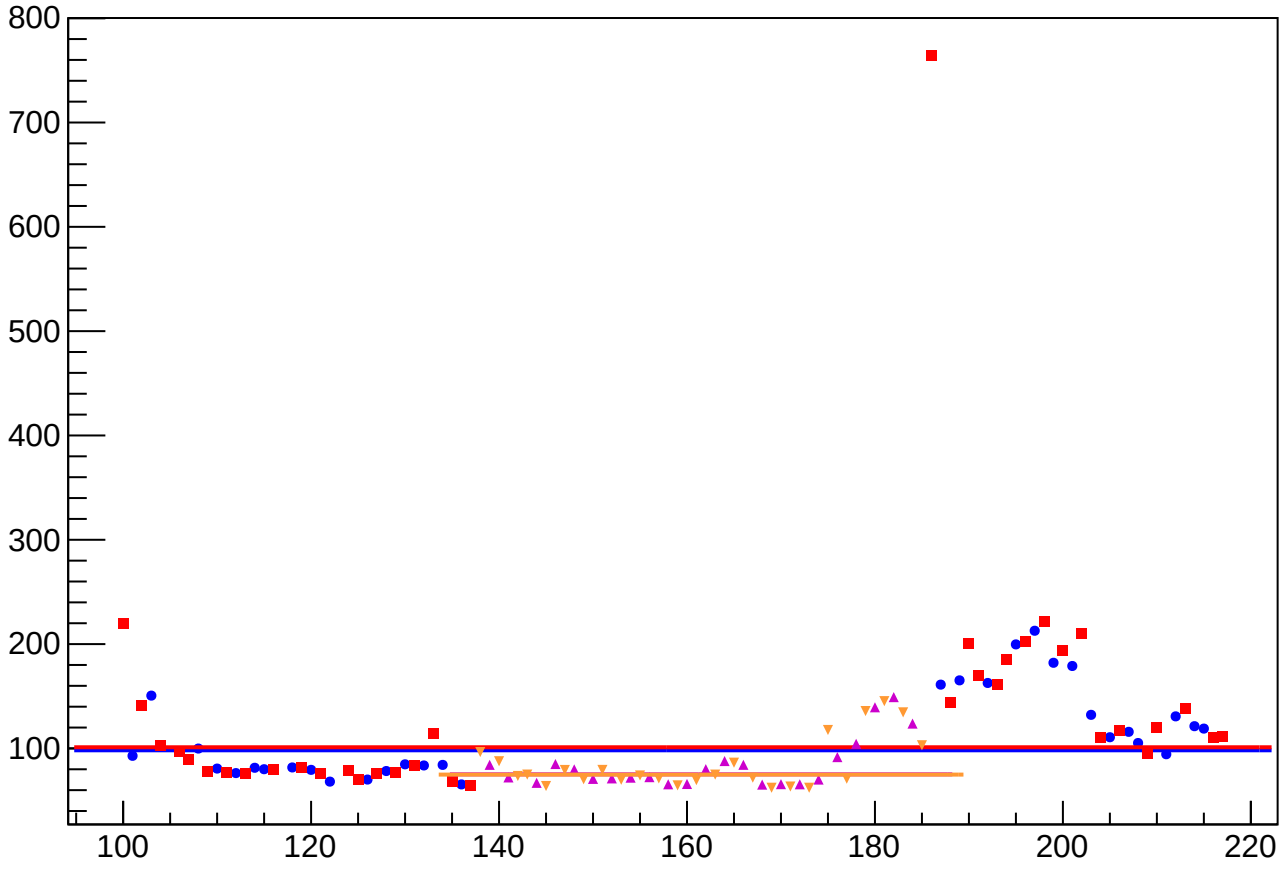
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.167+/-14.201 χ^2/NDF: 49.4/55

All: -10.040+/-10.151 χ^2/NDF: 153.8/114

- sign -43.681+/-14.514 χ^2/NDF: 93.9/58

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 98.206+/-0.017 χ^2/NDF: 3767674.6/30

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

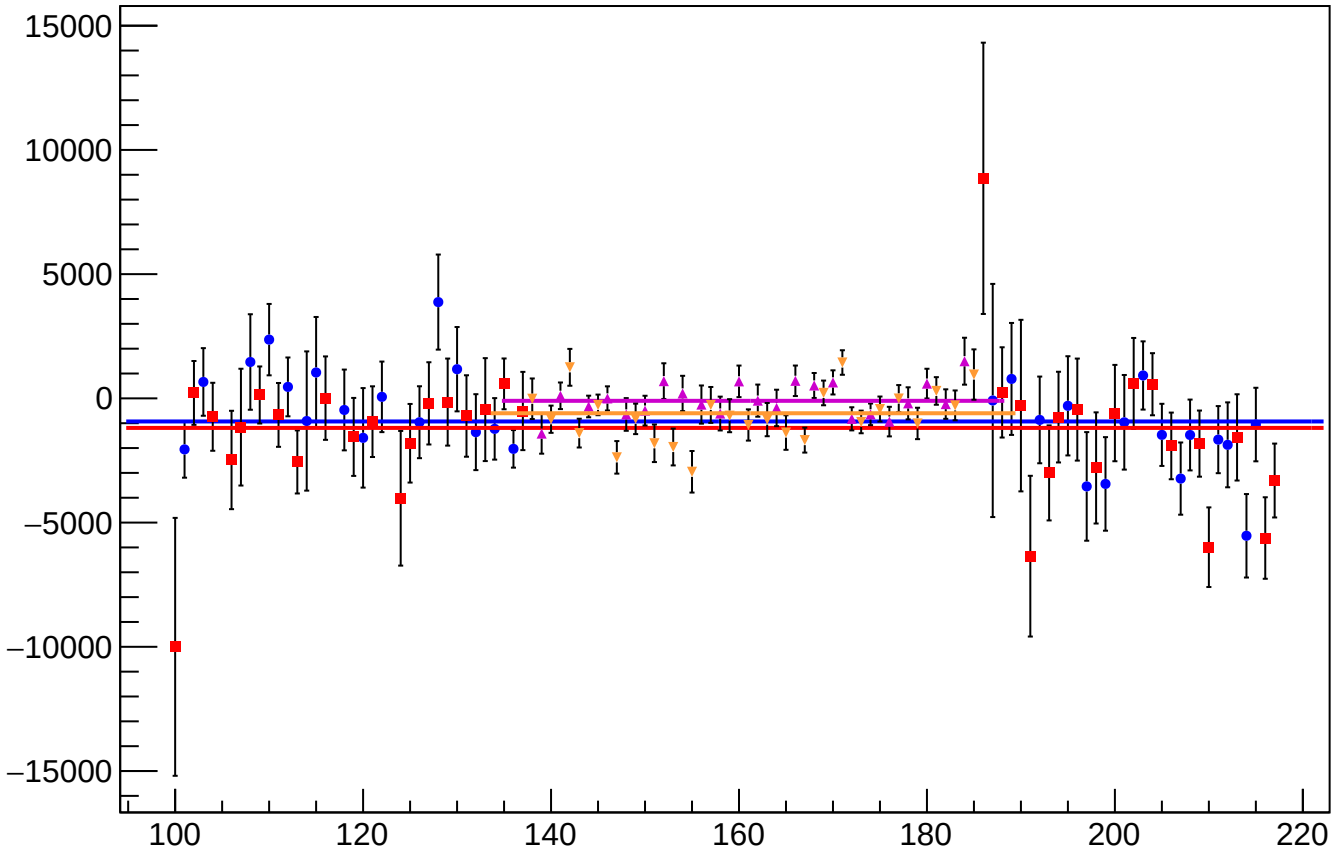
Right Out: 101.097+/-0.017 χ^2/NDF: 4980776.8/35

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 83.153+/-0.010 χ^2/NDF: 6660797.0/55

All: 83.853+/-0.007 χ^2/NDF: 14442226.7/114

- sign 84.585+/-0.010 χ^2/NDF: 7771492.3/58



Right In: -929.227+/-271.306 χ^2/NDF: 38.8/30

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

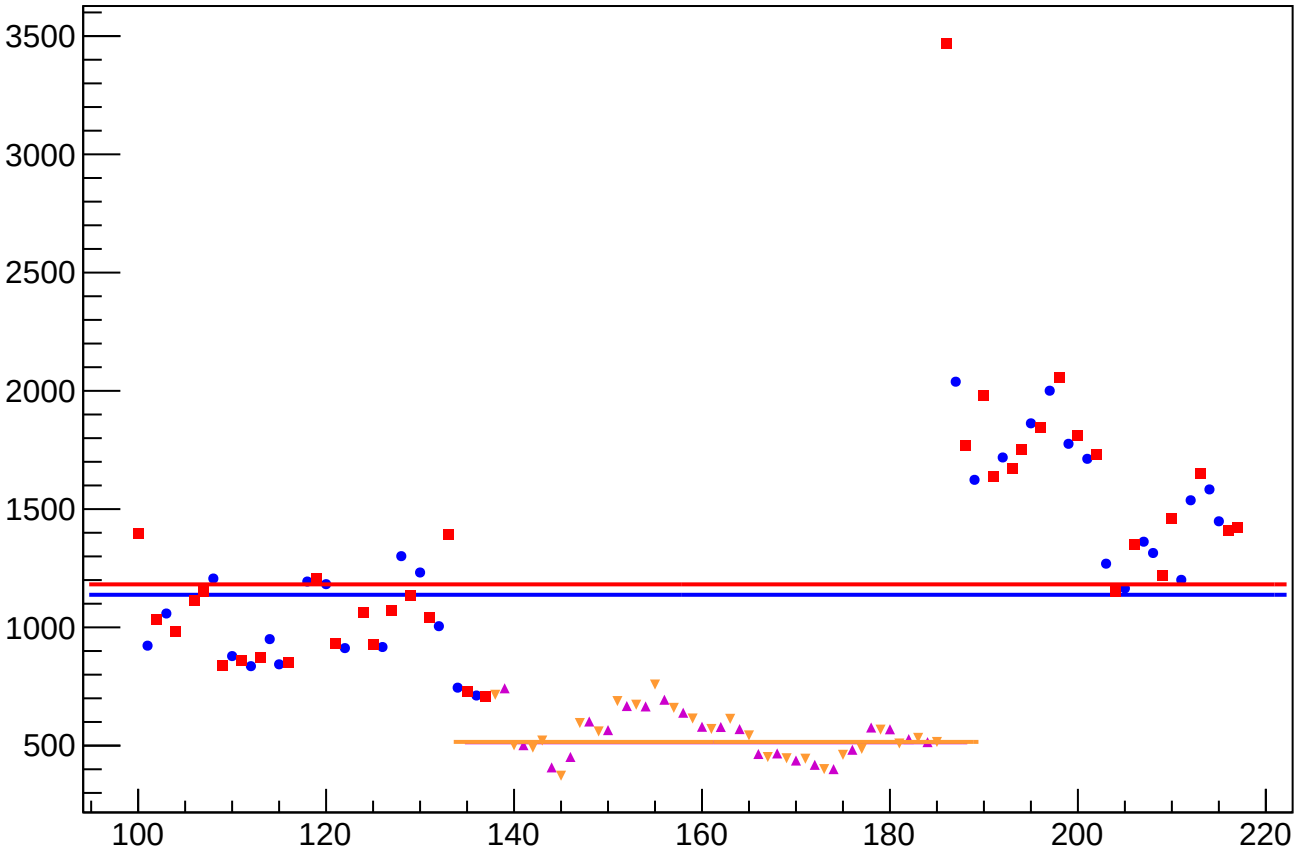
Right Out: -1189.121+/-272.766 χ^2/NDF: 43.4/35

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

\+ sign -652.378+/-109.226 χ^2/NDF: 105.1/55

All: -470.971+/-78.062 χ^2/NDF: 191.1/114

\- sign -281.580+/-111.604 χ^2/NDF: 80.3/58



Right In: 1137.750+/-0.192 χ^2/NDF: 3107702.3/30

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1181.819+/-0.193 χ^2/NDF: 3582983.5/35

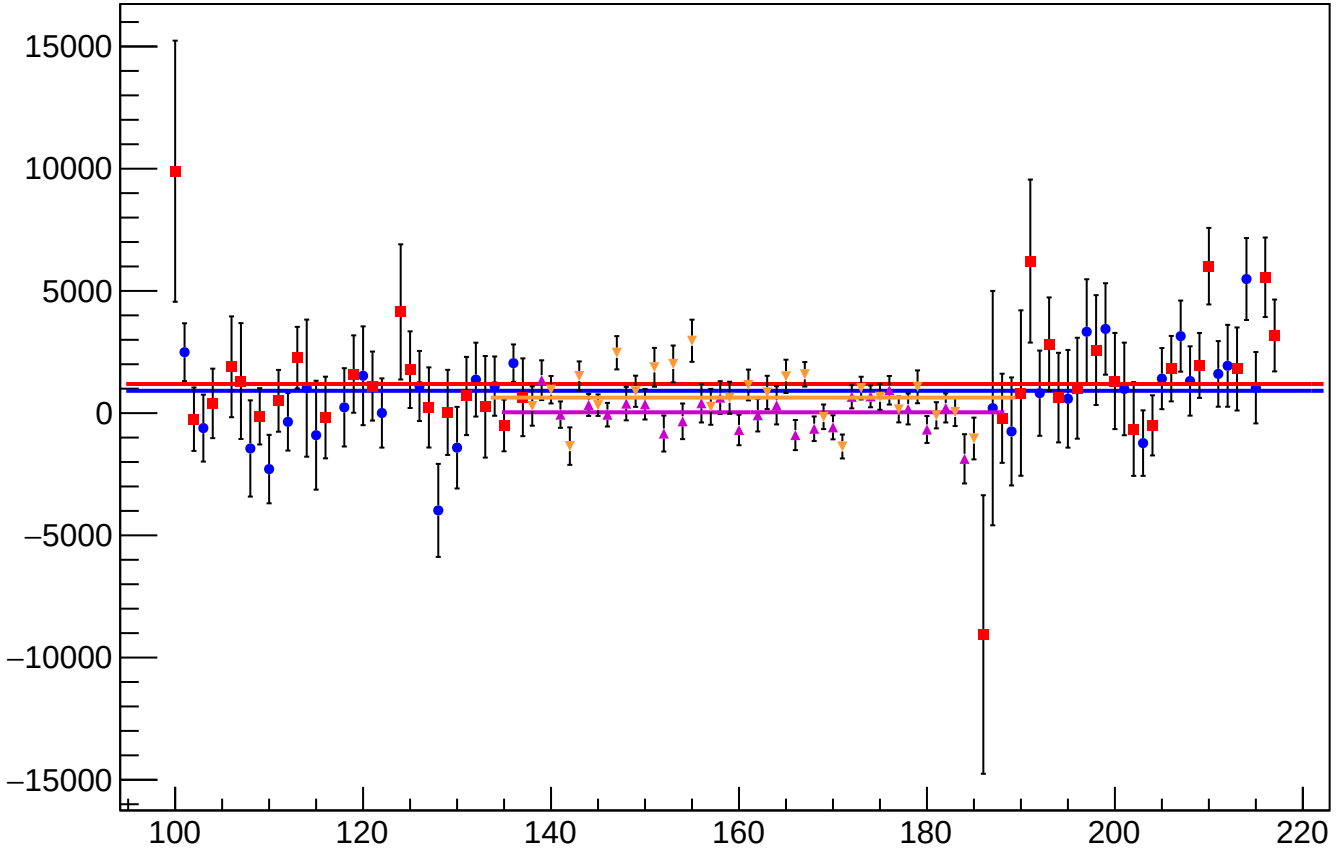
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

\+ sign 616.574+/-0.077 χ^2/NDF: 13148210.1/55

All: 621.122+/-0.055 χ^2/NDF: 27834165.0/11

\- sign 625.871+/-0.079 χ^2/NDF: 14678866.0/58

asym_sam_12345678_avg_mean vs Slug



Right In: 913.891+/-270.599 χ^2/NDF: 40.0/30

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 1192.183+/-273.385 χ^2/NDF: 41.8/35

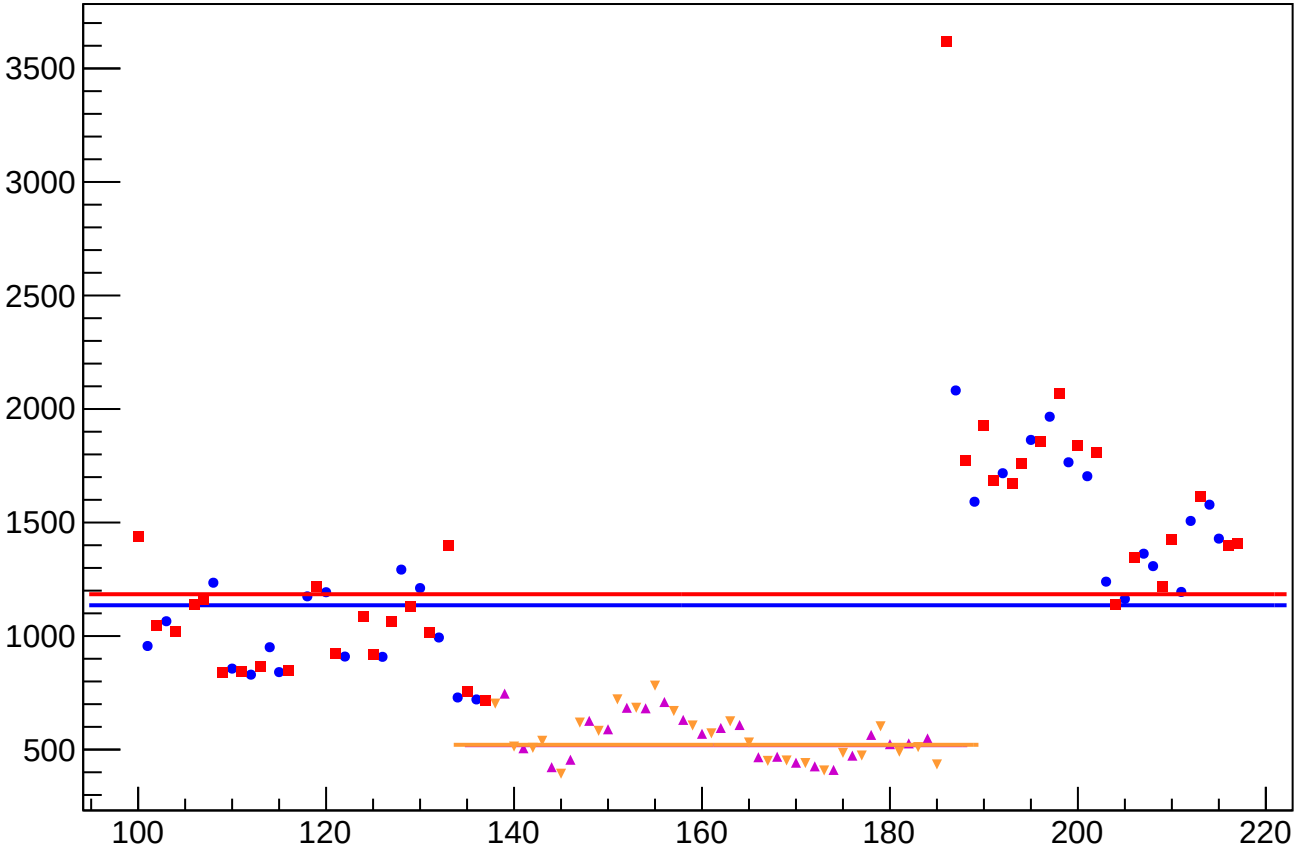
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 681.110+/-110.244 χ^2/NDF: 105.4/55

All: 460.743+/-78.761 χ^2/NDF: 195.3/114

- sign 231.012+/-112.562 χ^2/NDF: 81.8/58

asym_sam_12345678_avg_rms vs Slug



Right In: 1135.609+/-0.191 χ^2/NDF: 3035578.6/30

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

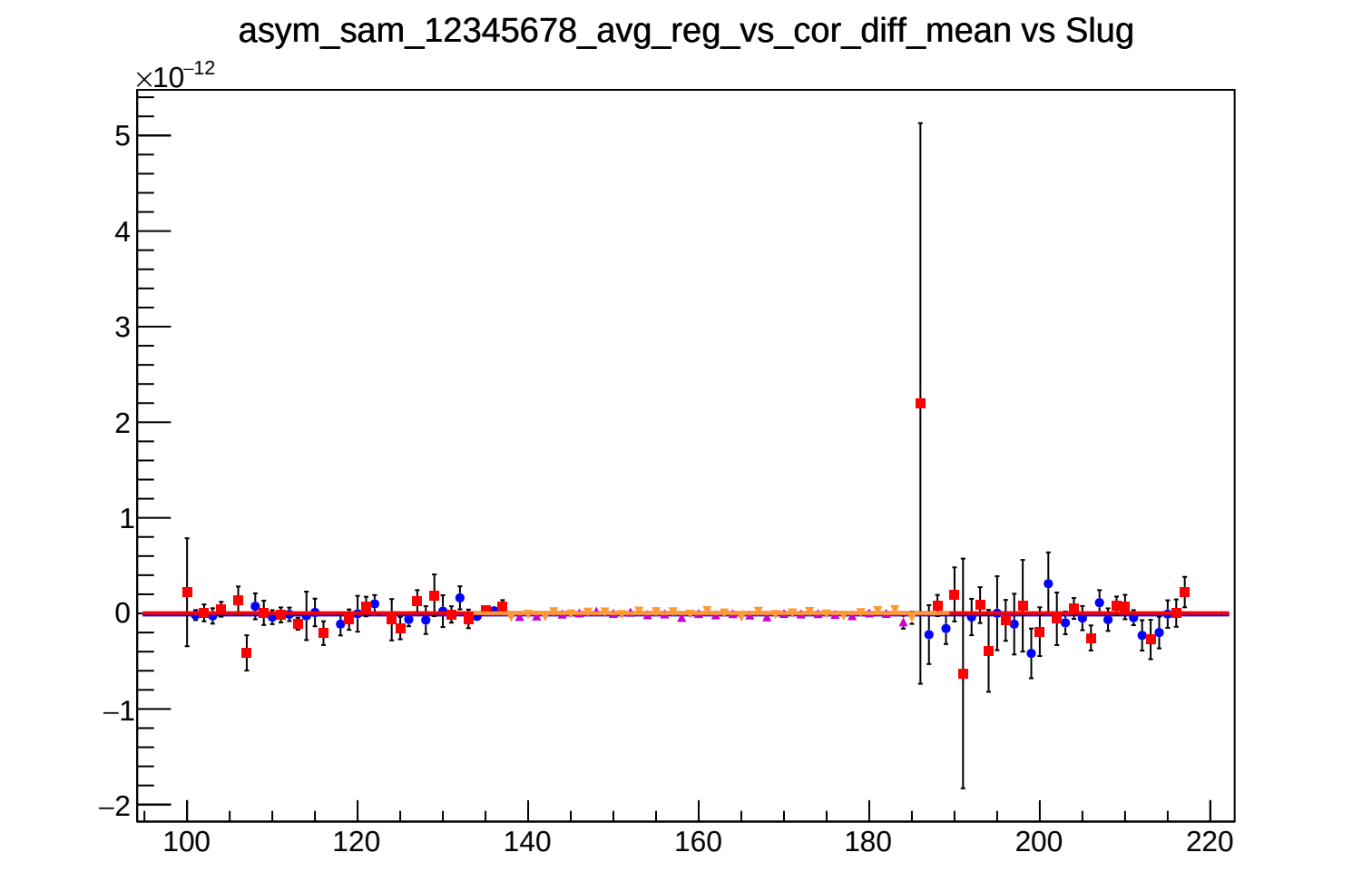
Right Out: 1184.239+/-0.193 χ^2/NDF: 3565127.5/35

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 623.035+/-0.078 χ^2/NDF: 12882901.1/55

All: 627.411+/-0.056 χ^2/NDF: 27382686.9/11

- sign 631.973+/-0.080 χ^2/NDF: 14493348.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/30

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

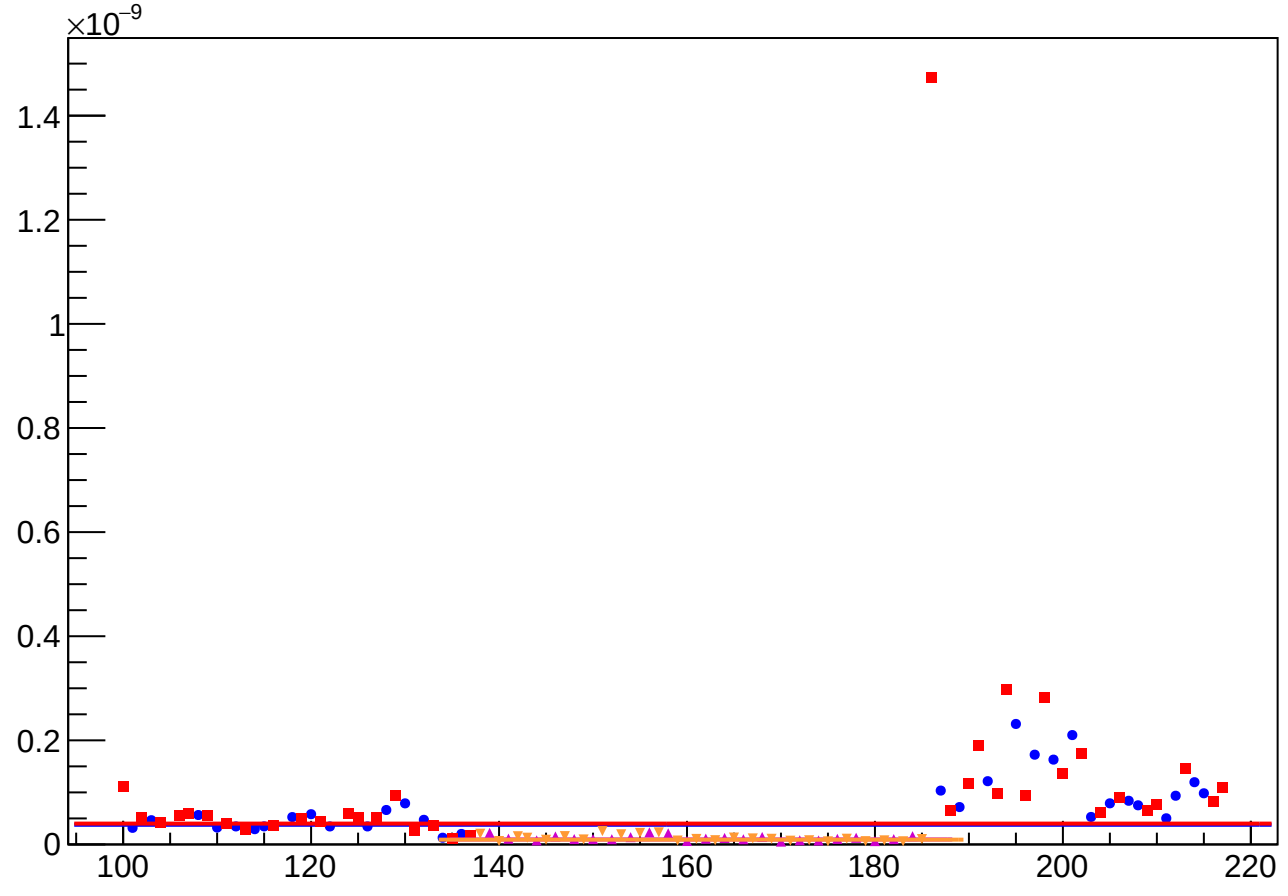
Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/35

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/55

All: -0.000+/-0.000 χ^2/NDF: 84.6/114

- sign -0.000+/-0.000 χ^2/NDF: 42.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 5973466.6/30

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

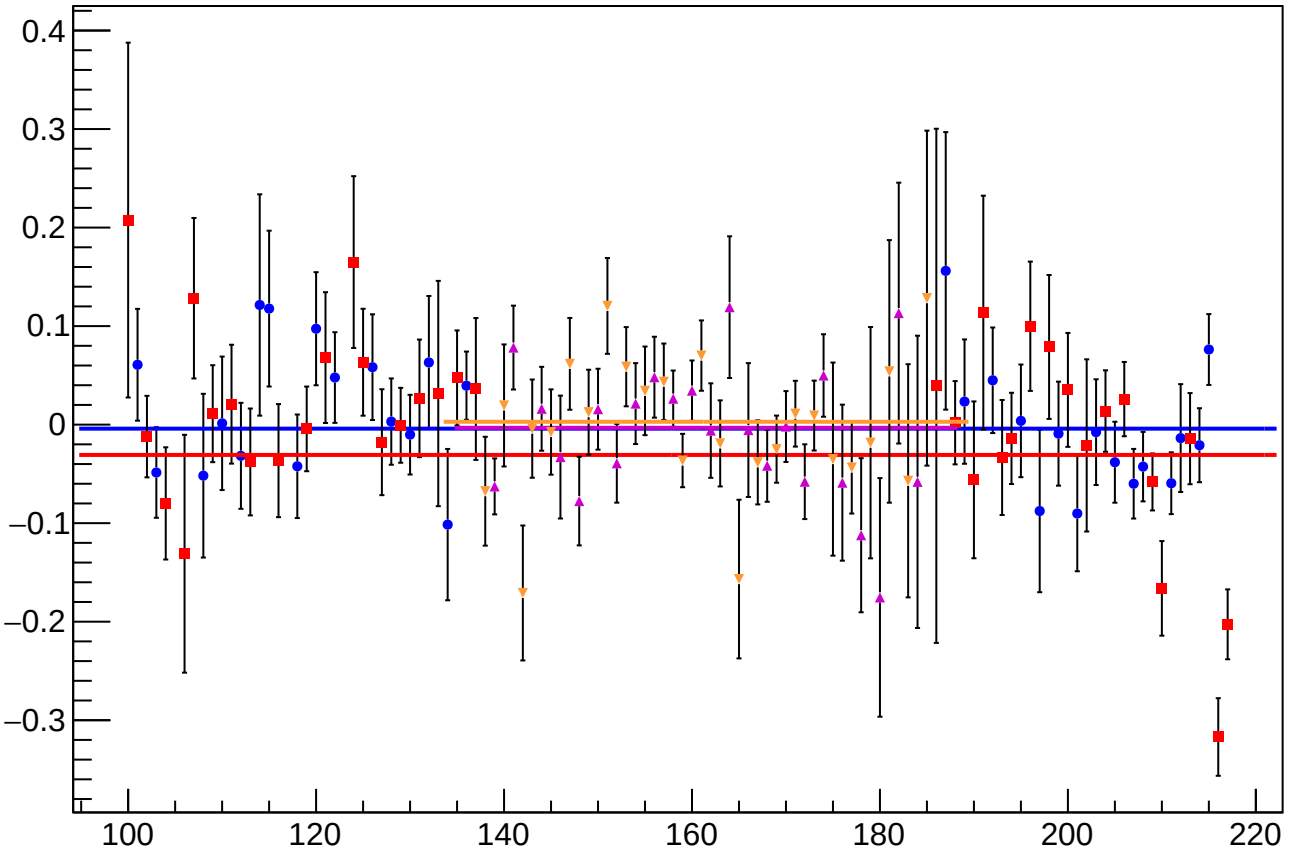
Right Out: 0.000+/-0.000 χ^2/NDF: 7097658.5/35

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14046740.1/55

All: 0.000+/-0.000 χ^2/NDF: 28583844.3/114

- sign 0.000+/-0.000 χ^2/NDF: 14525572.1/58



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

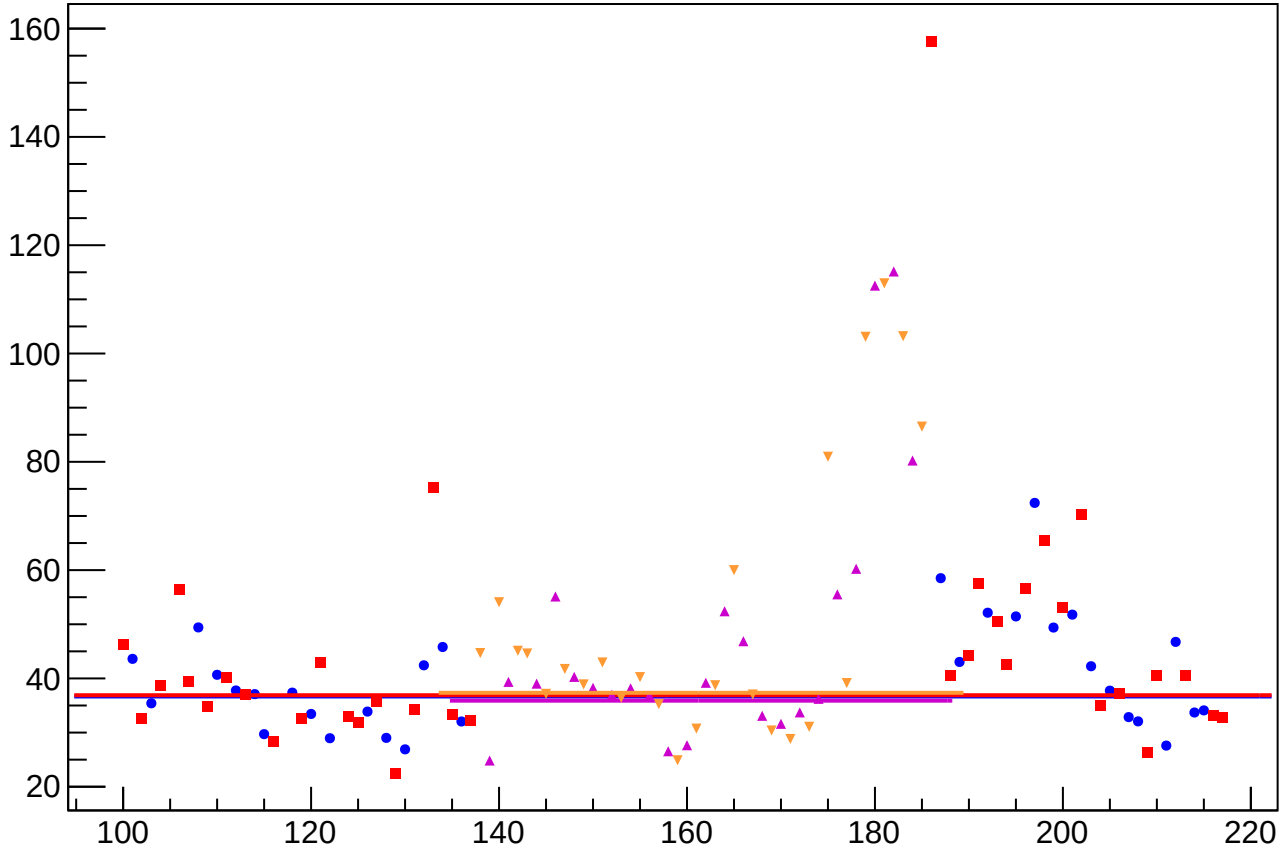
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.001+/-0.006 χ^2/NDF: 68.4/55

All: -0.009+/-0.005 χ^2/NDF: 229.8/114

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.667+/-0.006 χ^2/NDF: 1758365.5/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

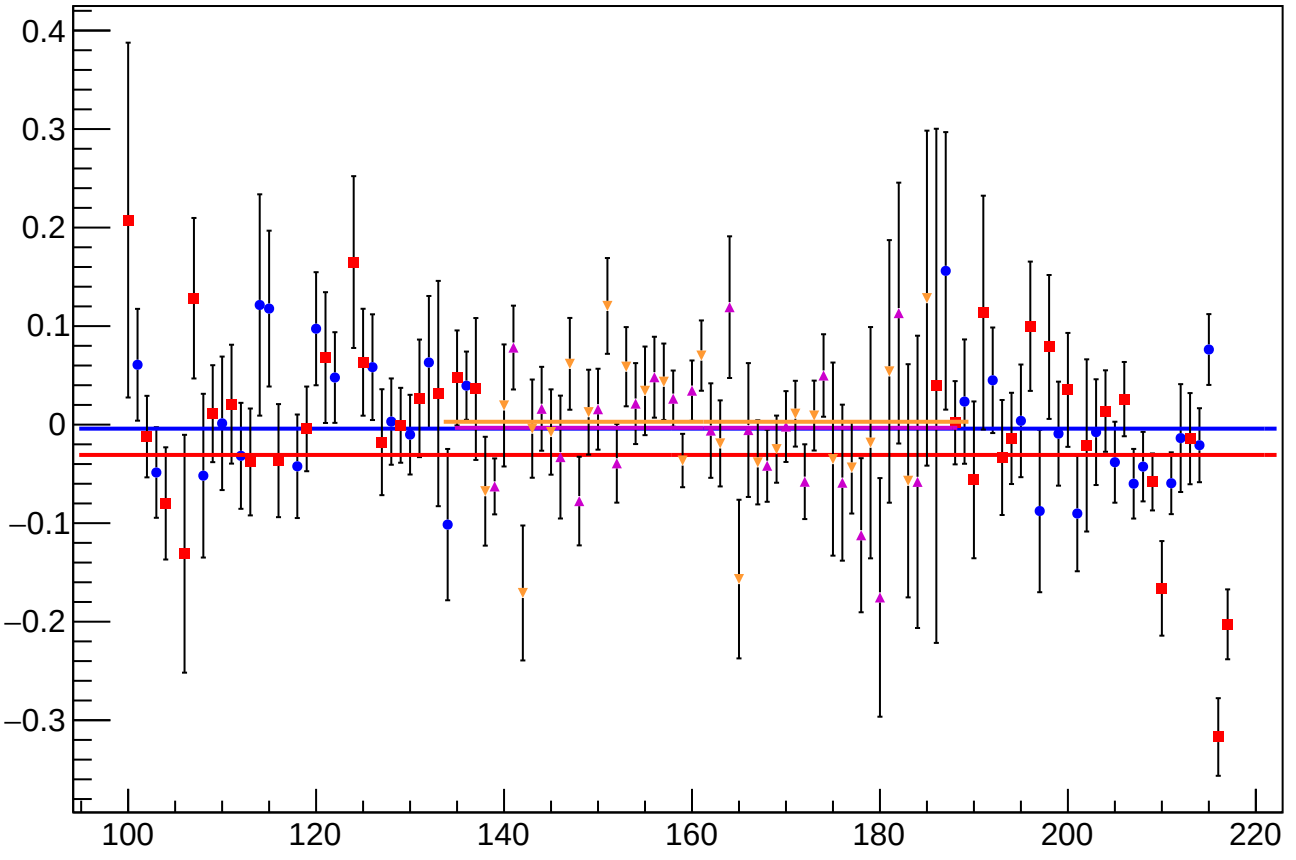
Right Out: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.991+/-0.005 χ^2/NDF: 5460590.8/55

All: 36.701+/-0.003 χ^2/NDF: 11290539.5/114

- sign 36.418+/-0.004 χ^2/NDF: 5821868.7/58



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

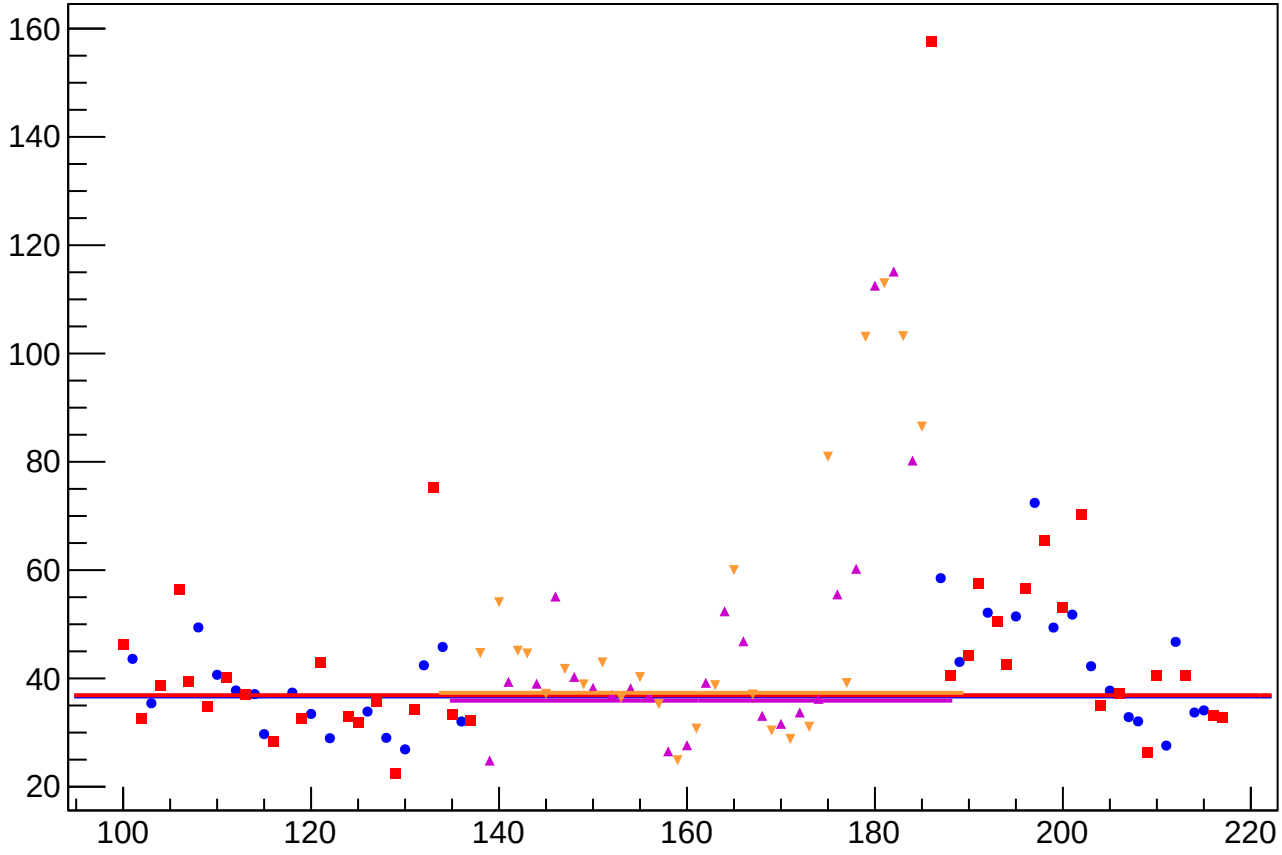
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.001+/-0.006 χ^2/NDF: 68.4/55

All: -0.009+/-0.005 χ^2/NDF: 229.8/114

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.667+/-0.006 χ^2/NDF: 1758365.5/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

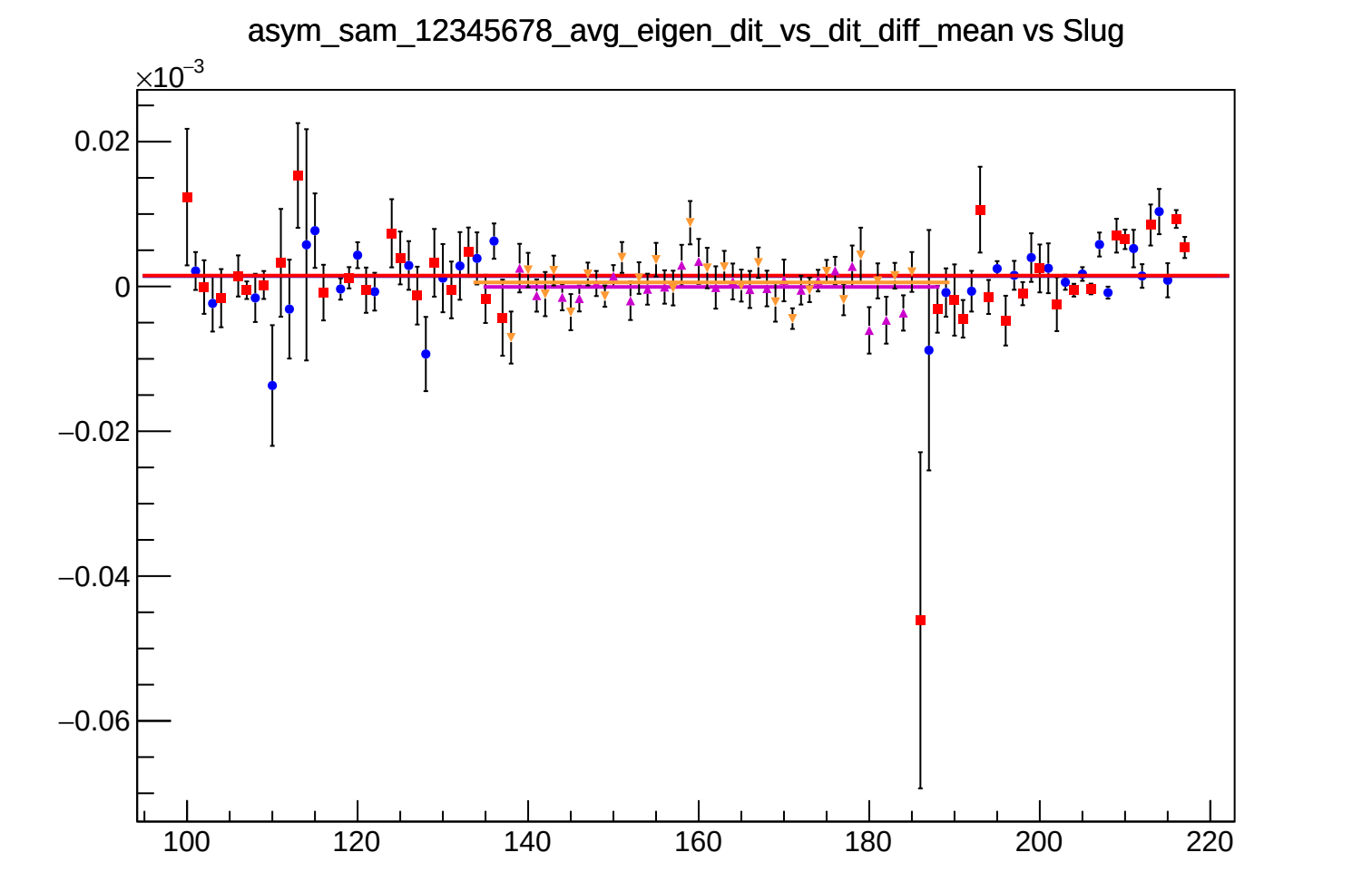
Right Out: 36.898+/-0.006 χ^2/NDF: 2671108.0/35

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.991+/-0.005 χ^2/NDF: 5460590.8/55

All: 36.701+/-0.003 χ^2/NDF: 11290539.5/114

- sign 36.418+/-0.004 χ^2/NDF: 5821868.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 49.7/30

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

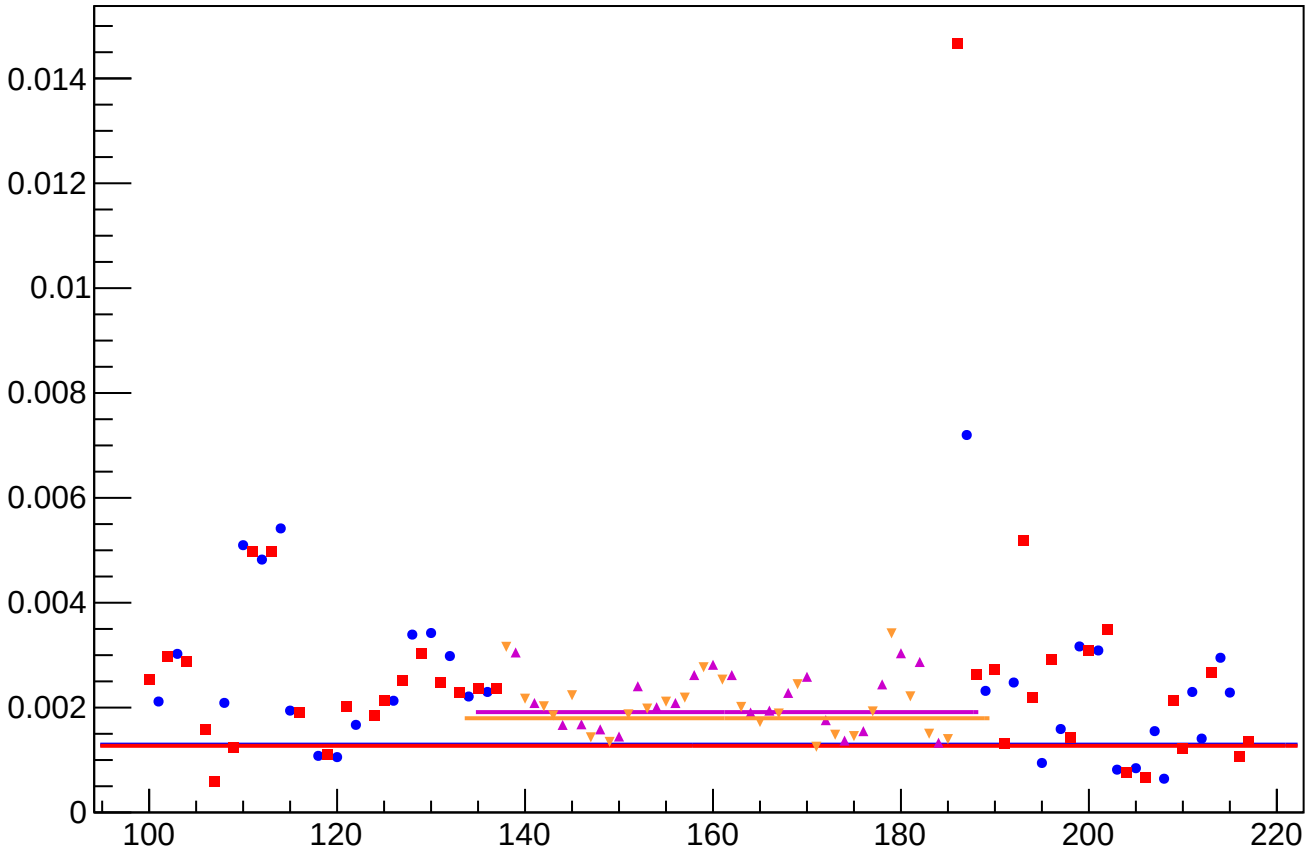
Right Out: 0.000+/-0.000 χ^2/NDF: 123.2/35

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.7/55

All: 0.000+/-0.000 χ^2/NDF: 243.3/114

- sign 0.000+/-0.000 χ^2/NDF: 147.5/58



Right In: 0.001+/-0.000 χ^2/NDF: 9165128.9/30

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

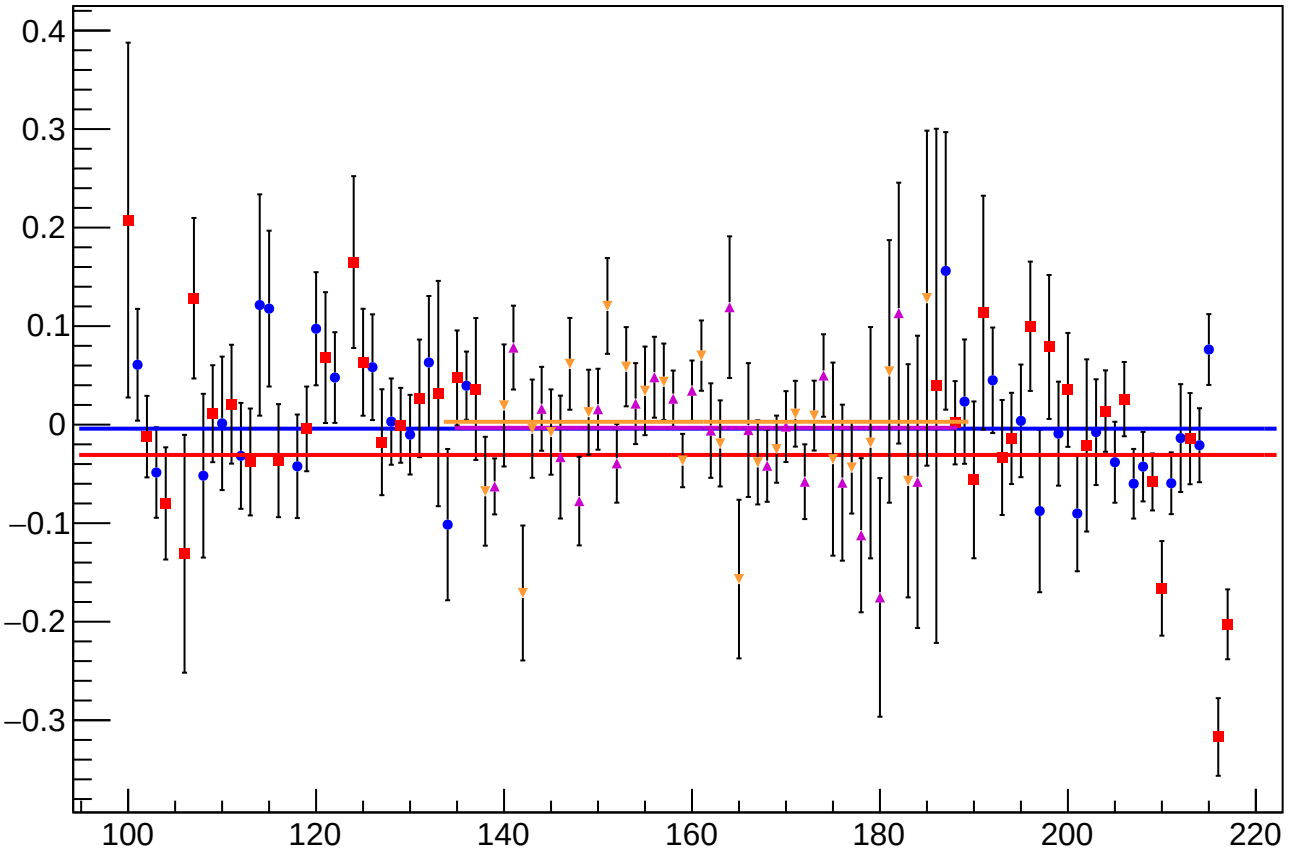
Right Out: 0.001+/-0.000 χ^2/NDF: 10947033.9/35

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13108786.3/55

All: 0.001+/-0.000 χ^2/NDF: 28716104.1/114

- sign 0.001+/-0.000 χ^2/NDF: 15607012.6/58



Right In: -0.004+/-0.009 χ^2/NDF: 35.2/30

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

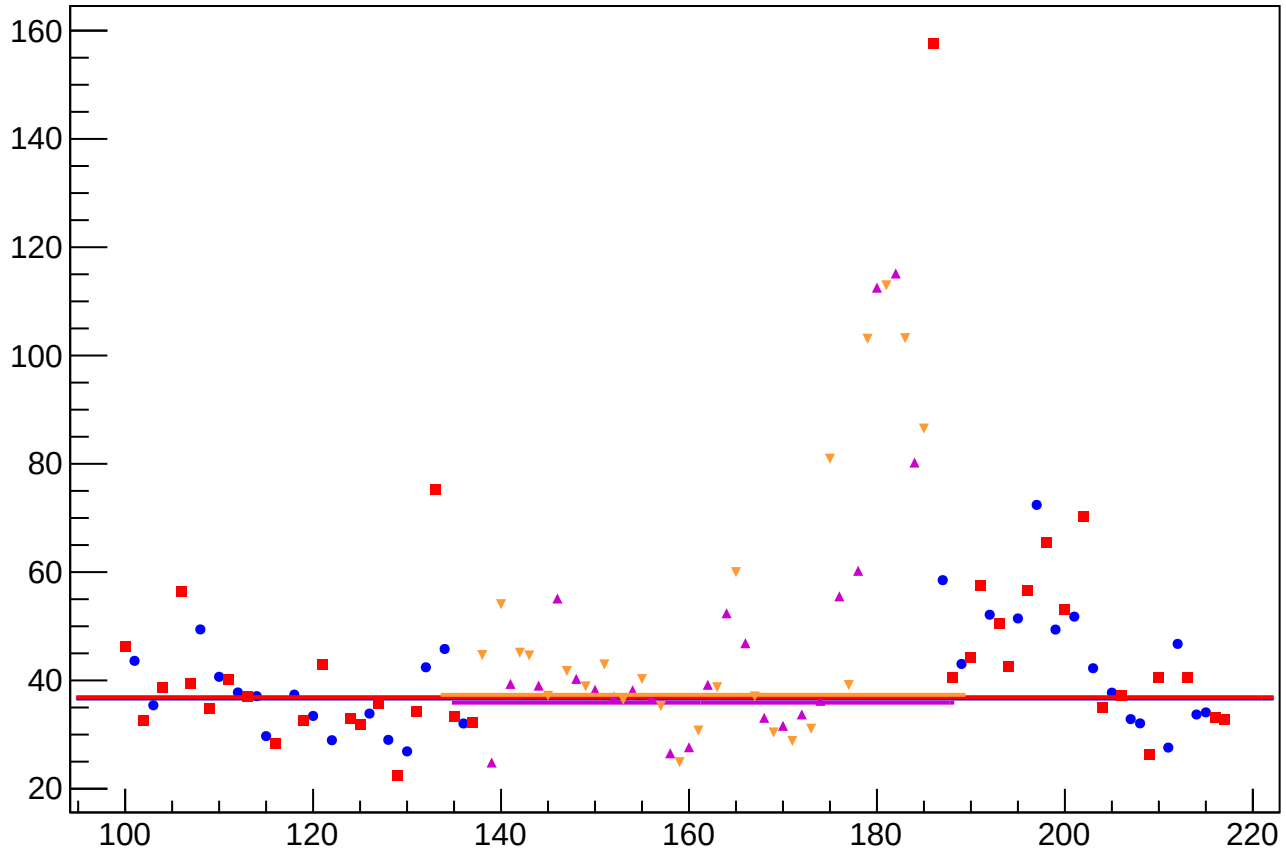
Right Out: -0.031+/-0.009 χ^2/NDF: 123.4/35

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.001+/-0.006 χ^2/NDF: 68.4/55

All: -0.009+/-0.005 χ^2/NDF: 229.8/114

- sign -0.018+/-0.006 χ^2/NDF: 157.9/58



Right In: 36.666+/-0.006 χ^2/NDF: 1758406.1/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

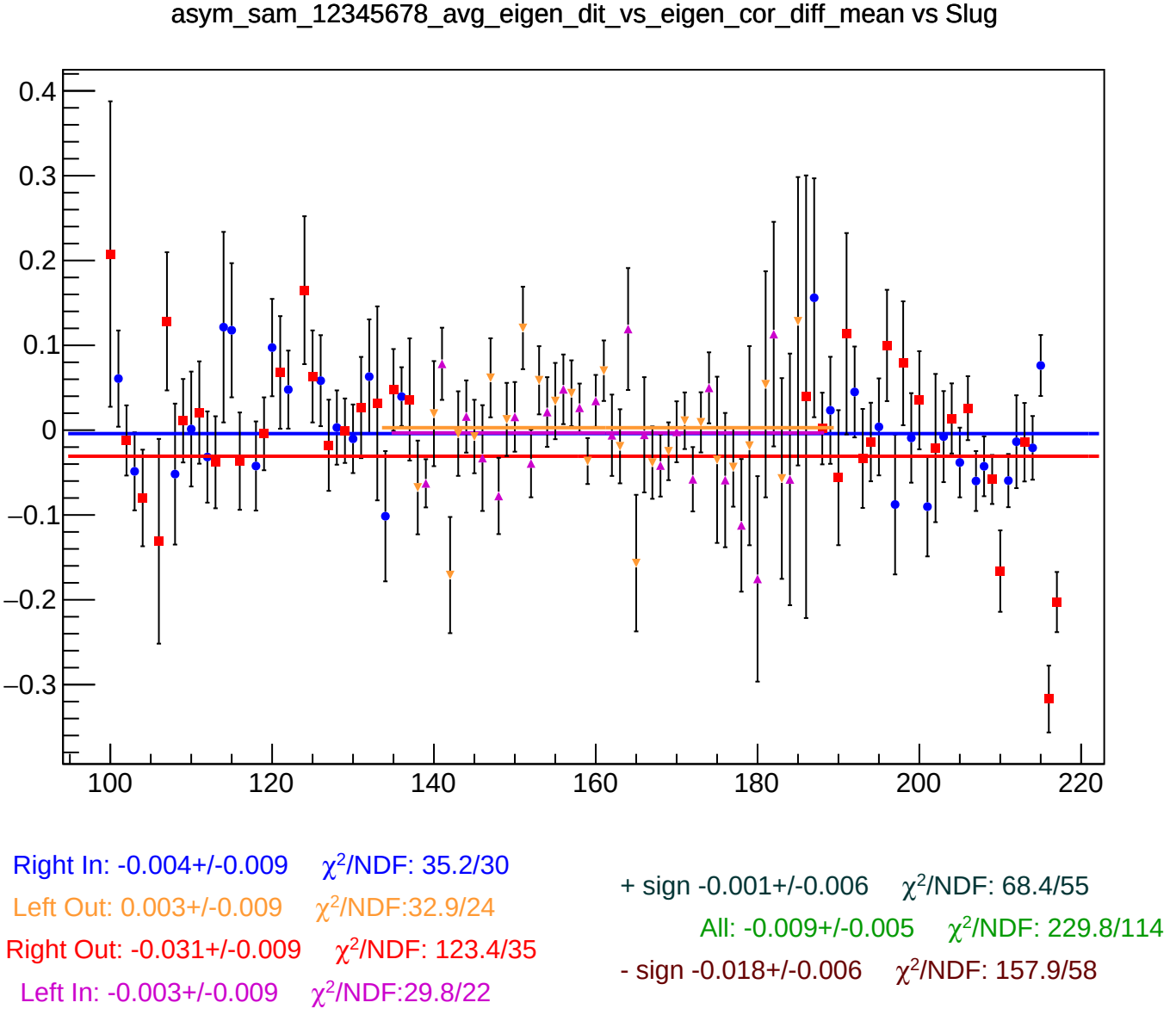
Right Out: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

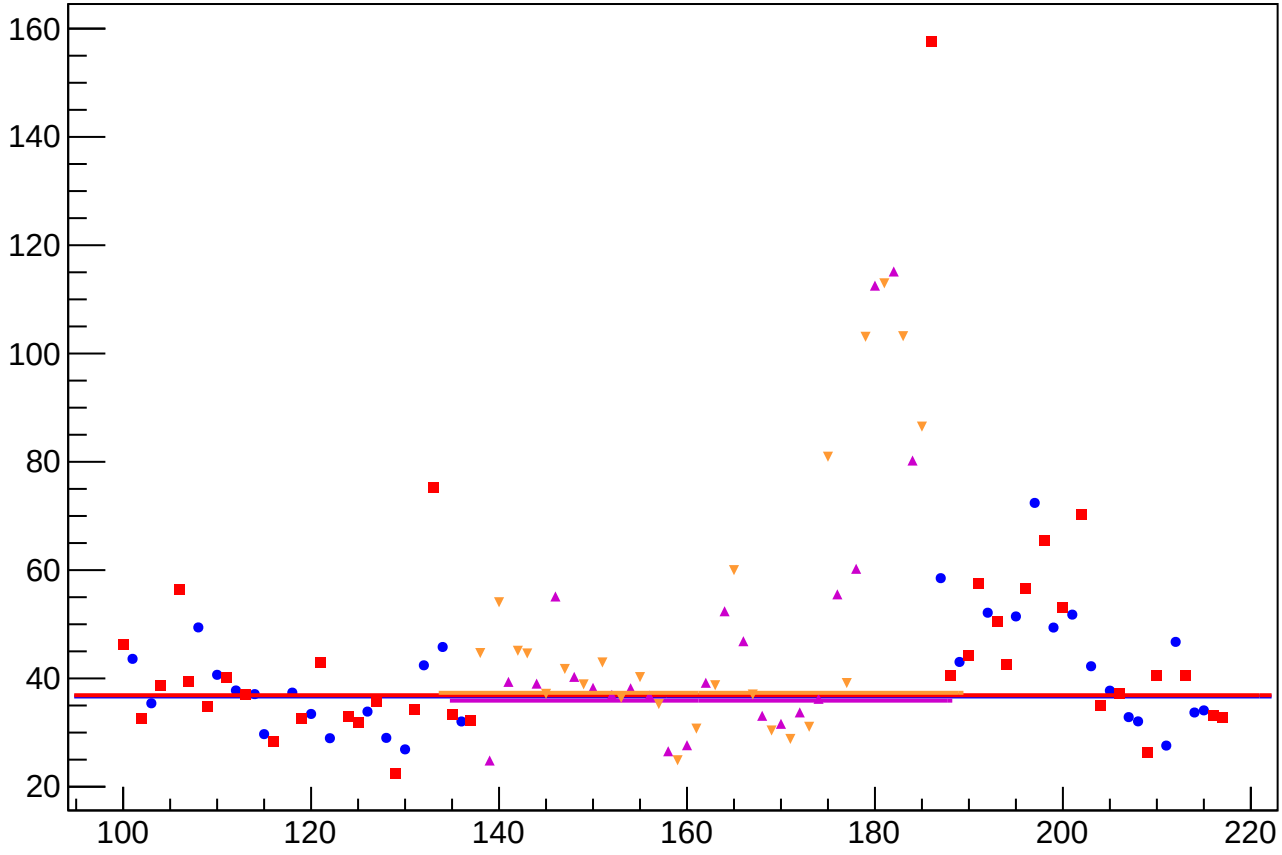
+ sign 36.991+/-0.005 χ^2/NDF: 5460691.6/55

All: 36.701+/-0.003 χ^2/NDF: 11290720.8/114

- sign 36.418+/-0.004 χ^2/NDF: 5821951.6/58


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
220
Right In: -0.004+/-0.009 χ²/NDF: 35.2/30
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.031+/-0.009 χ²/NDF: 123.4/35
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.001+/-0.006 χ²/NDF: 68.4/55
All: -0.009+/-0.005 χ²/NDF: 229.8/114
- sign -0.018+/-0.006 χ²/NDF: 157.9/58

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.666+/-0.006 χ^2/NDF: 1758406.1/30

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

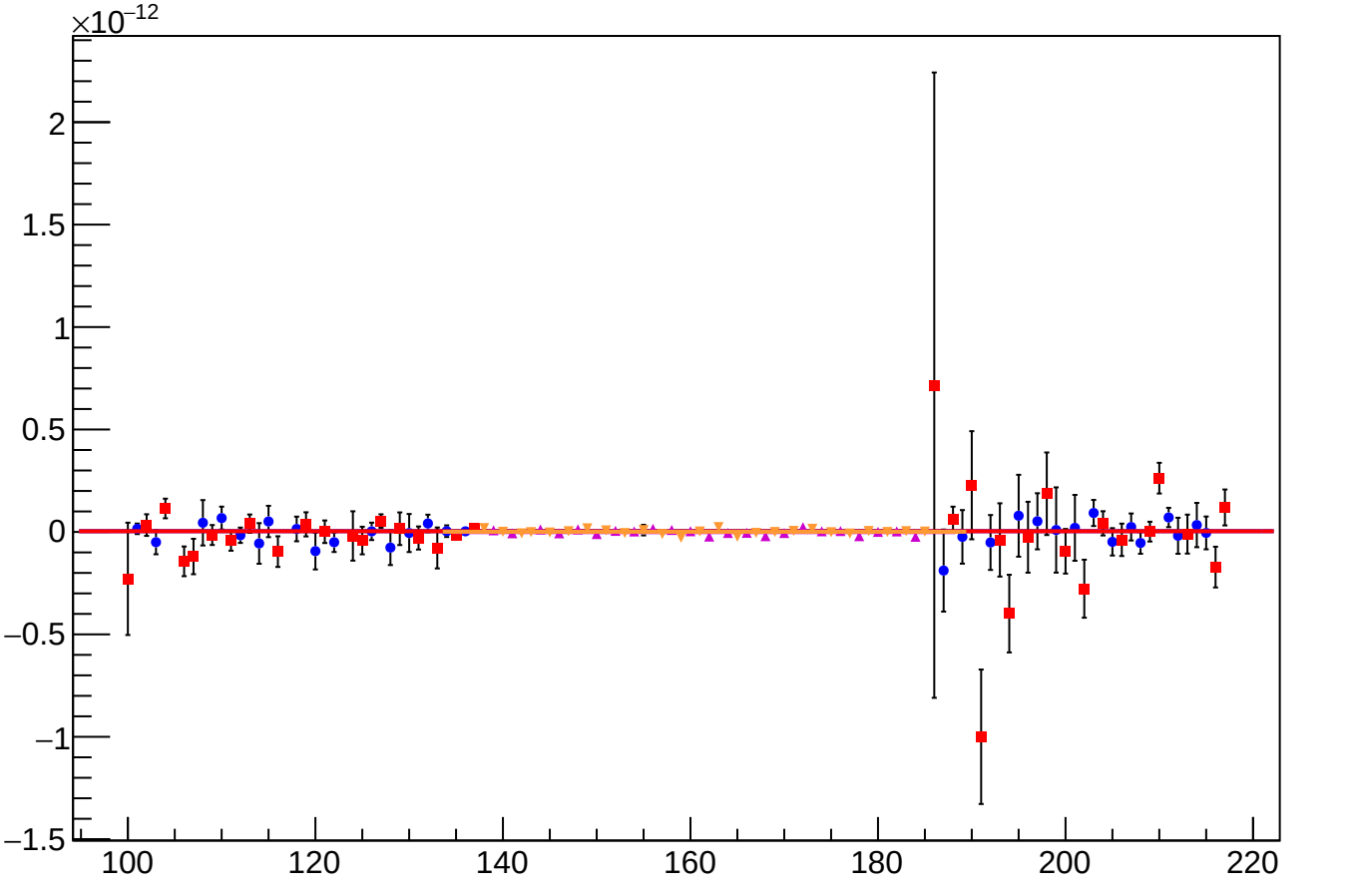
Right Out: 36.898+/-0.006 χ^2/NDF: 2671191.4/35

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.991+/-0.005 χ^2/NDF: 5460691.6/55

All: 36.701+/-0.003 χ^2/NDF: 11290720.8/114

- sign 36.418+/-0.004 χ^2/NDF: 5821951.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/30

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

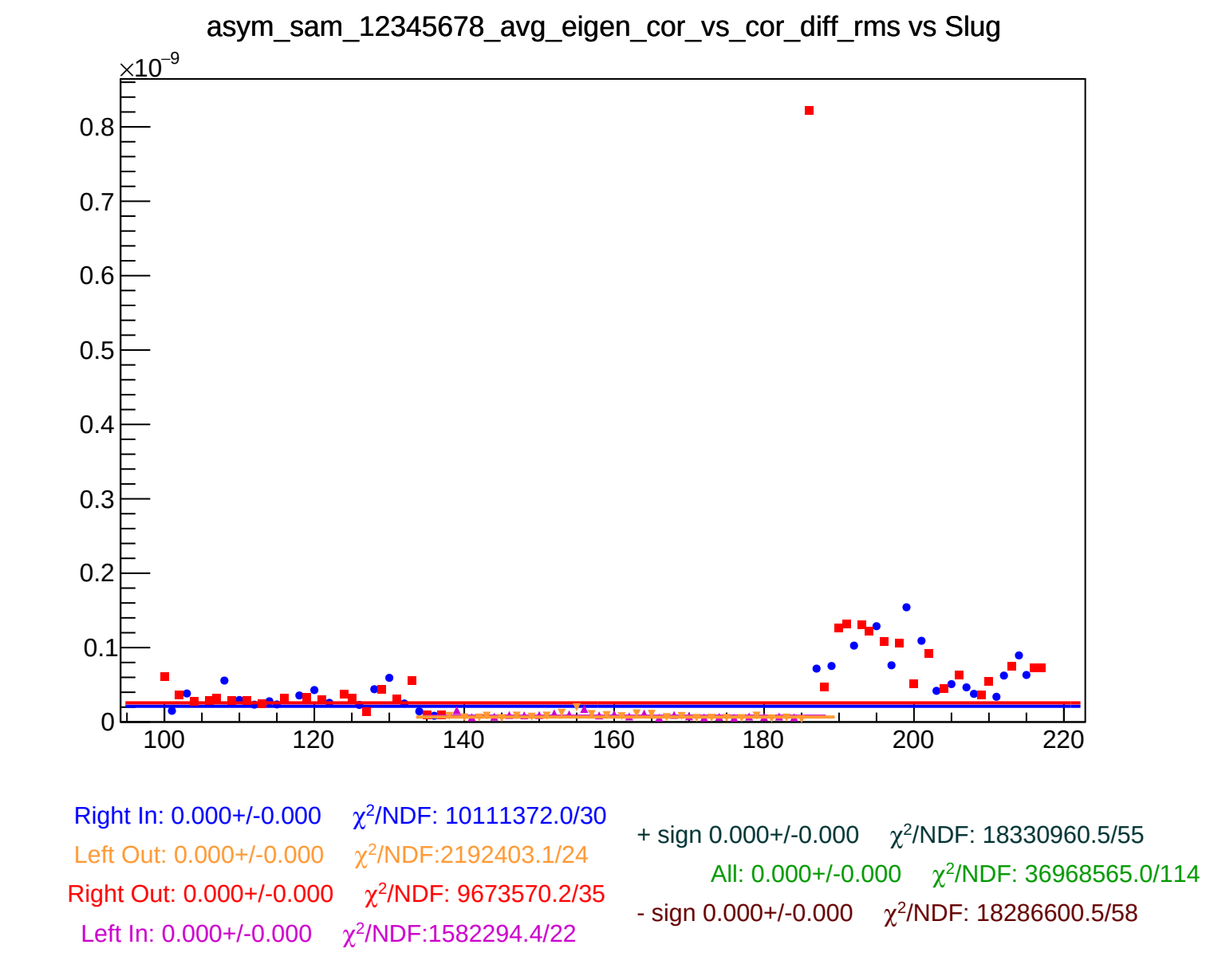
Right Out: 0.000+/-0.000 χ^2/NDF: 60.3/35

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

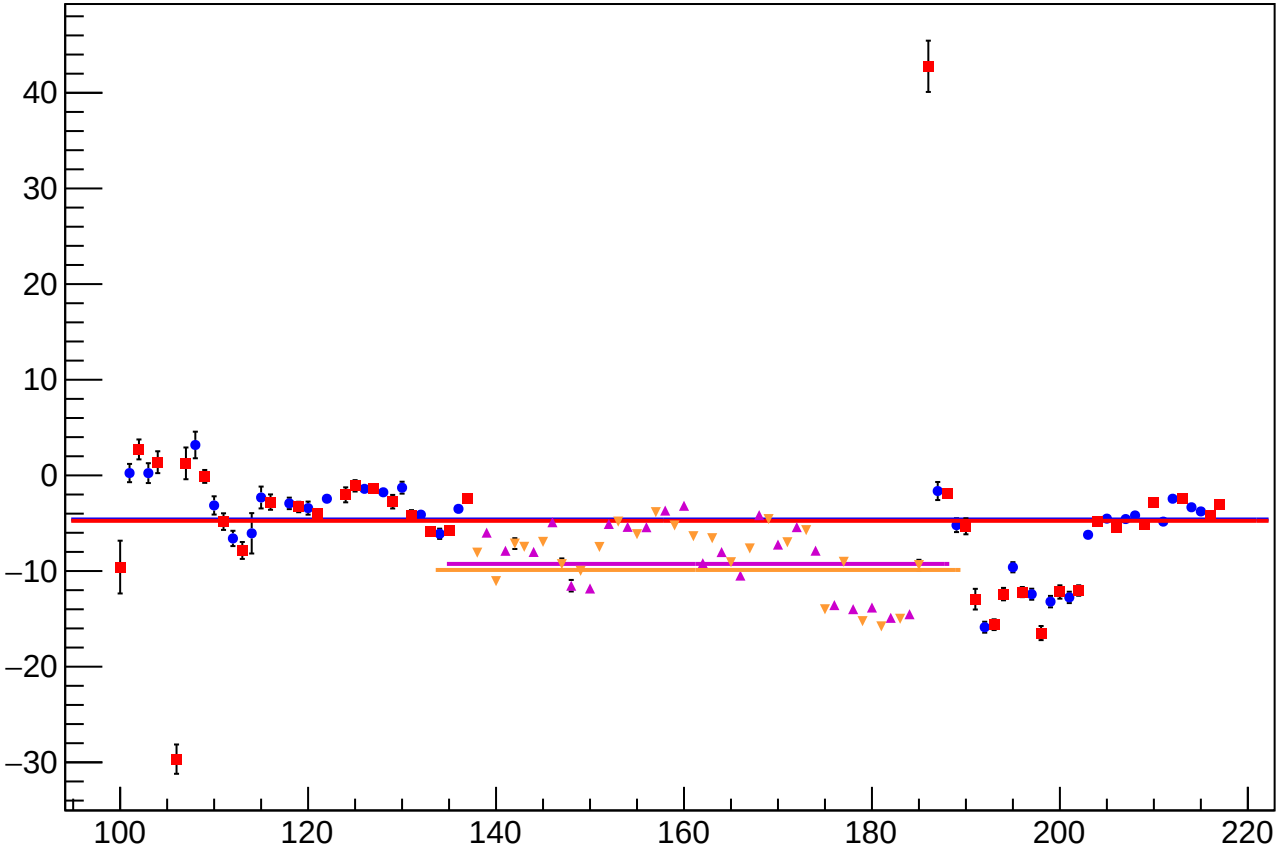
+ sign 0.000+/-0.000 χ^2/NDF: 36.6/55

All: 0.000+/-0.000 χ^2/NDF: 126.7/114

- sign -0.000+/-0.000 χ^2/NDF: 89.7/58


asym_sam_12345678_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
220
Right In: 0.000+/-0.000 χ²/NDF: 10111372.0/30
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 9673570.2/35
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
+ sign 0.000+/-0.000 χ²/NDF: 18330960.5/55
All: 0.000+/-0.000 χ²/NDF: 36968565.0/114
- sign 0.000+/-0.000 χ²/NDF: 18286600.5/58

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.611+/-0.084 χ^2/NDF: 1398.5/30

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.750+/-0.082 χ^2/NDF: 2433.5/35

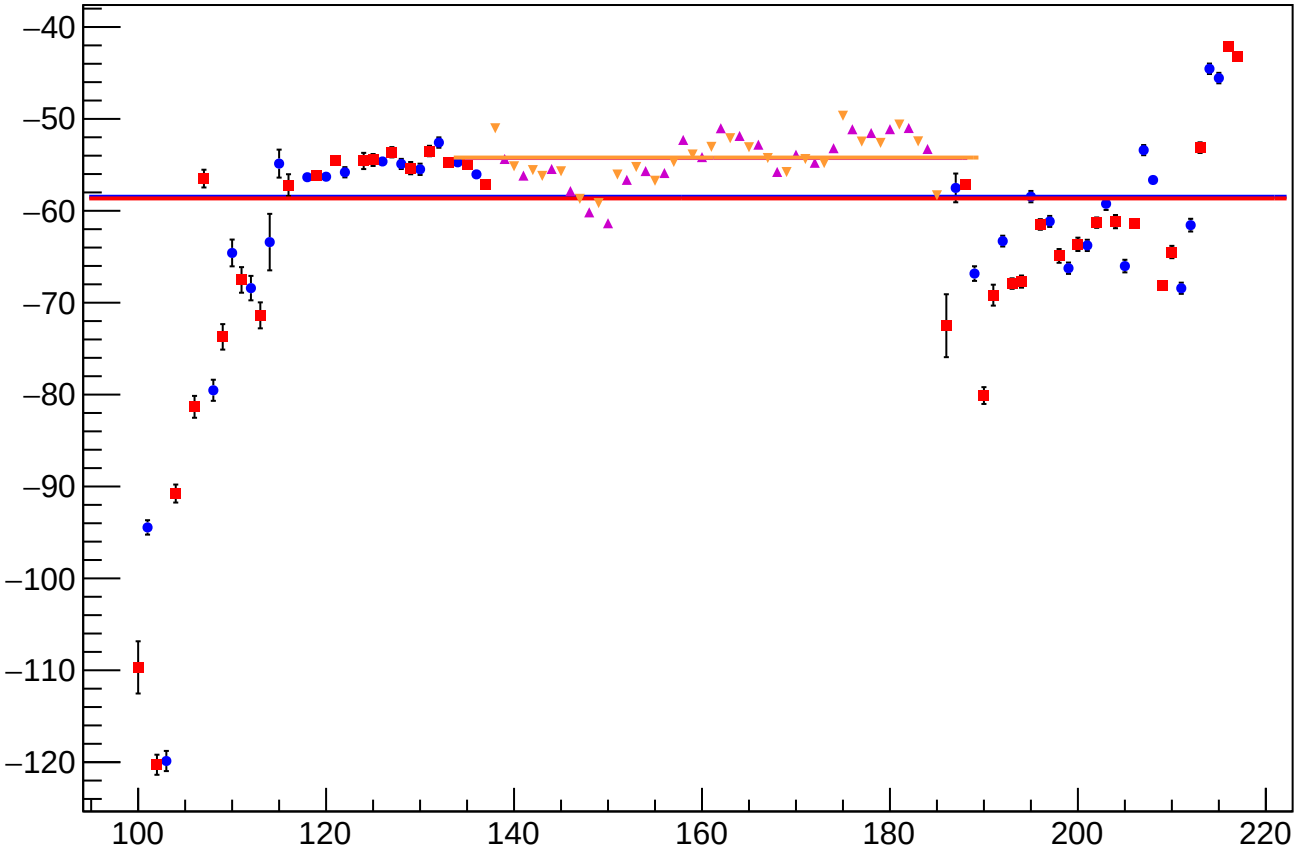
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.748+/-0.054 χ^2/NDF: 6939.2/55

All: -7.523+/-0.038 χ^2/NDF: 14194.7/114

- sign -7.297+/-0.054 χ^2/NDF: 7220.4/58

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.471+/-0.104 χ^2/NDF: 8178.0/30

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.652+/-0.103 χ^2/NDF: 9482.4/35

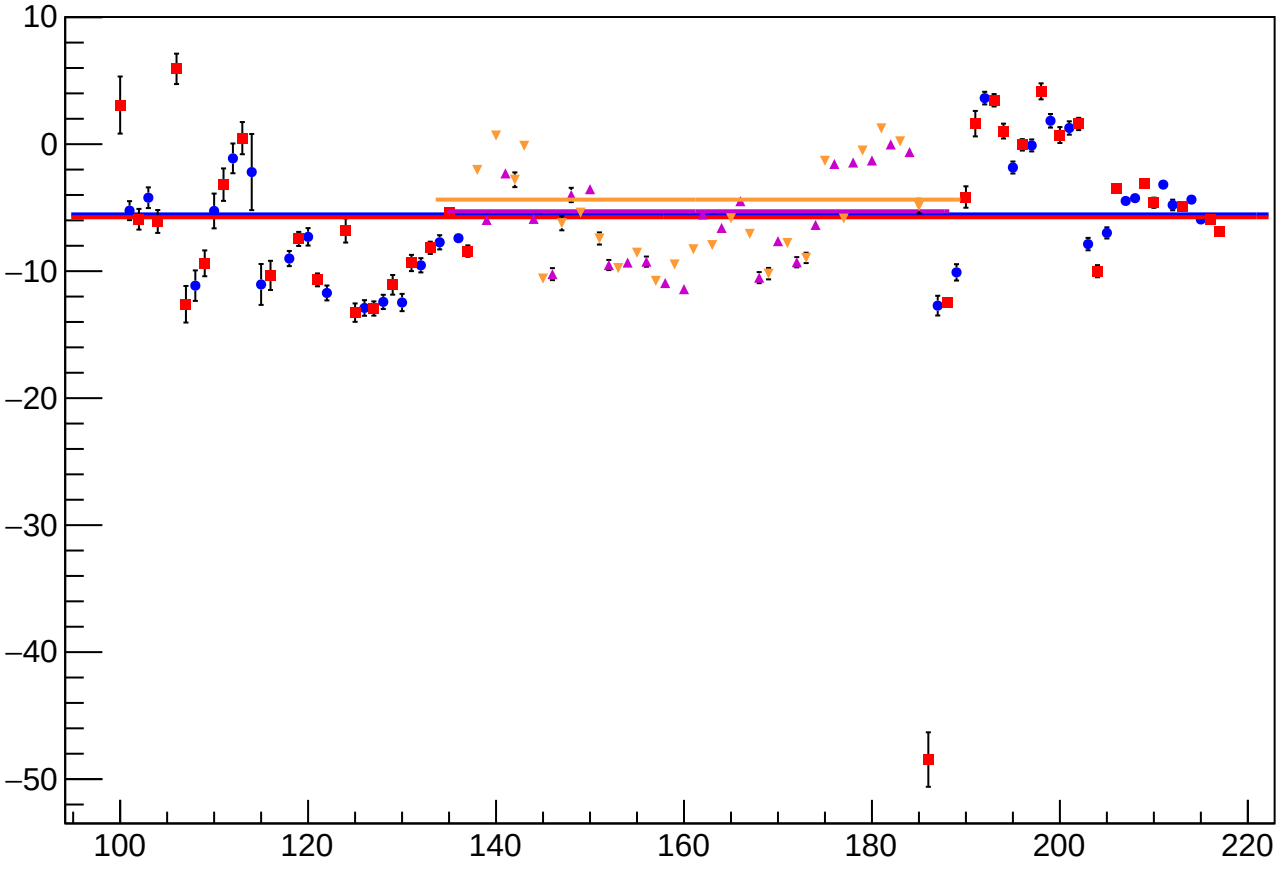
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.156+/-0.049 χ^2/NDF: 11335.2/55

All: -55.241+/-0.035 χ^2/NDF: 24702.5/114

- sign -55.332+/-0.051 χ^2/NDF: 13361.1/58

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.530+/-0.086 χ^2/NDF: 1892.0/30

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.756+/-0.084 χ^2/NDF: 3287.6/35

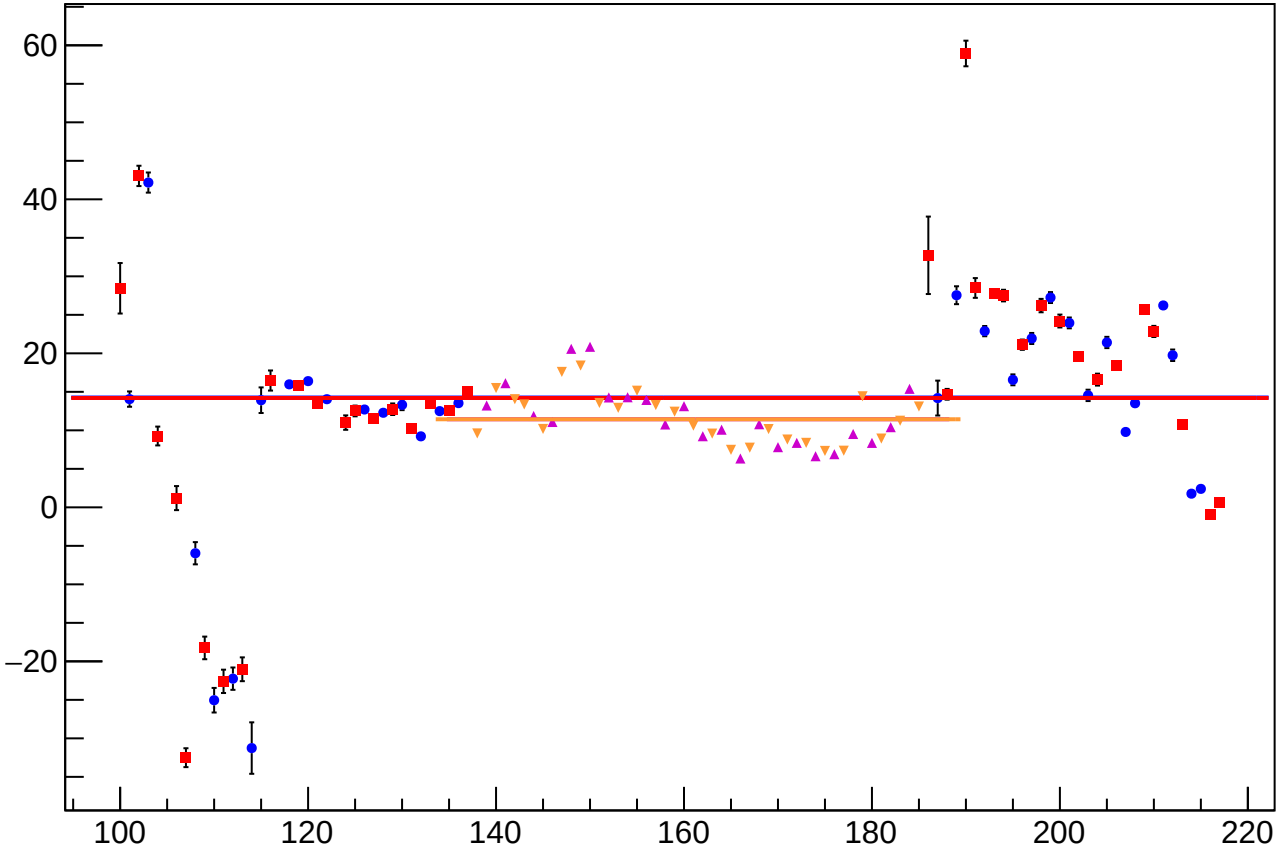
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.823+/-0.054 χ^2/NDF: 5704.4/55

All: -5.151+/-0.038 χ^2/NDF: 11834.8/114

- sign -5.481+/-0.054 χ^2/NDF: 6056.3/58

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.259+/-0.116 χ^2/NDF: 4554.4/30

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.202+/-0.115 χ^2/NDF: 7931.1/35

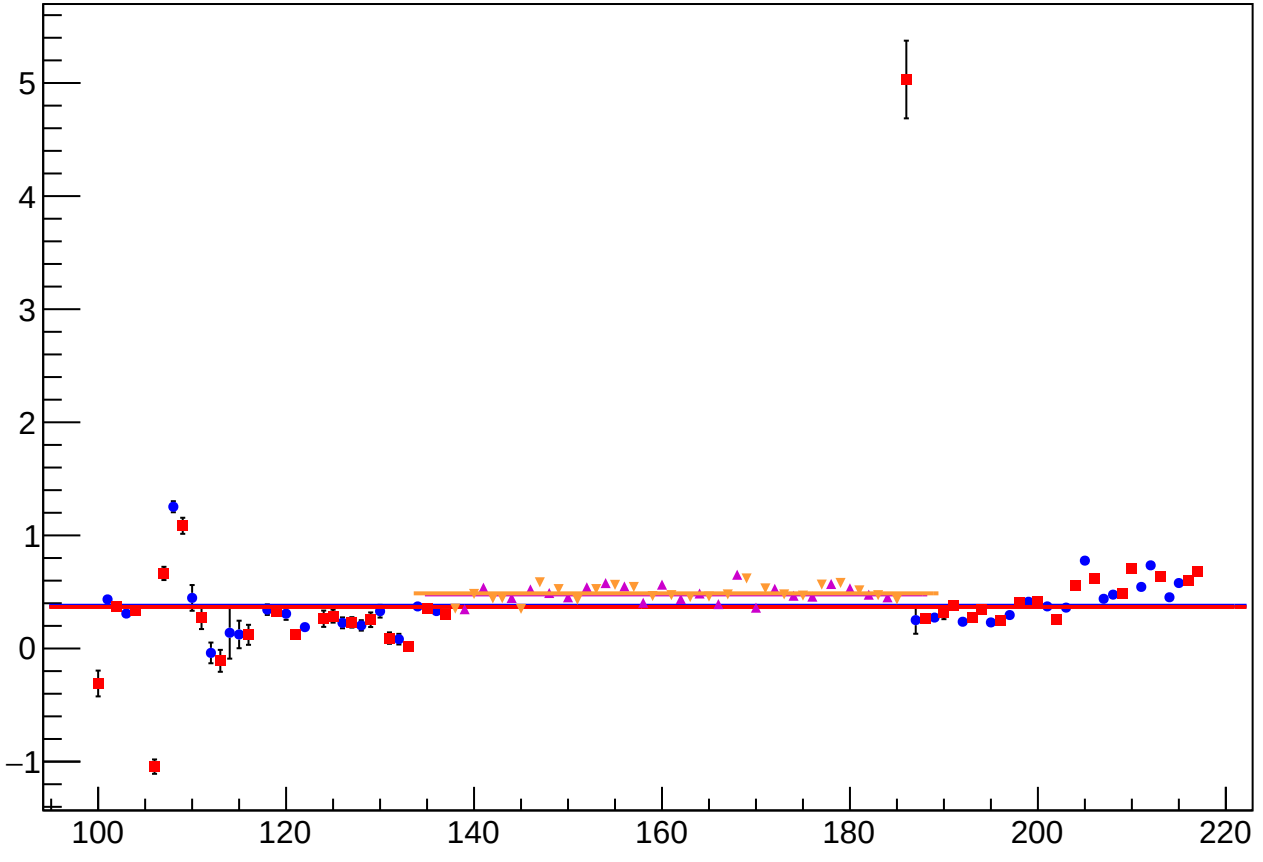
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.067+/-0.055 χ^2/NDF: 7452.2/55

All: 12.081+/-0.039 χ^2/NDF: 19180.3/114

- sign 12.096+/-0.056 χ^2/NDF: 11728.0/58

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.378+/-0.005 χ^2/NDF: 928.6/30

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.367+/-0.005 χ^2/NDF: 1692.7/35

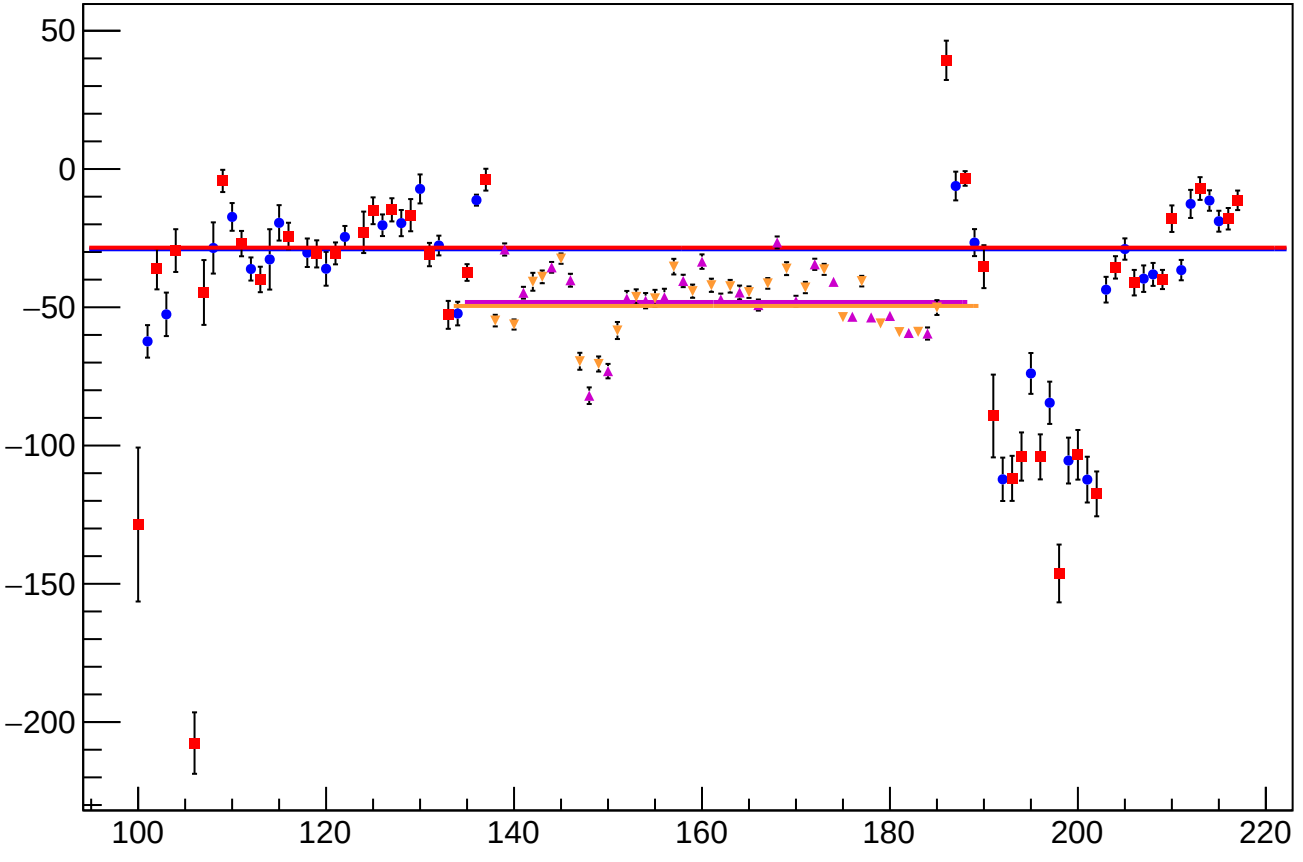
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.463+/-0.002 χ^2/NDF: 1826.8/55

All: 0.459+/-0.002 χ^2/NDF: 4686.1/114

- sign 0.454+/-0.002 χ^2/NDF: 2851.3/58

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -29.026+/-0.823 χ^2/NDF: 662.7/30

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -28.439+/-0.823 χ^2/NDF: 1279.3/35

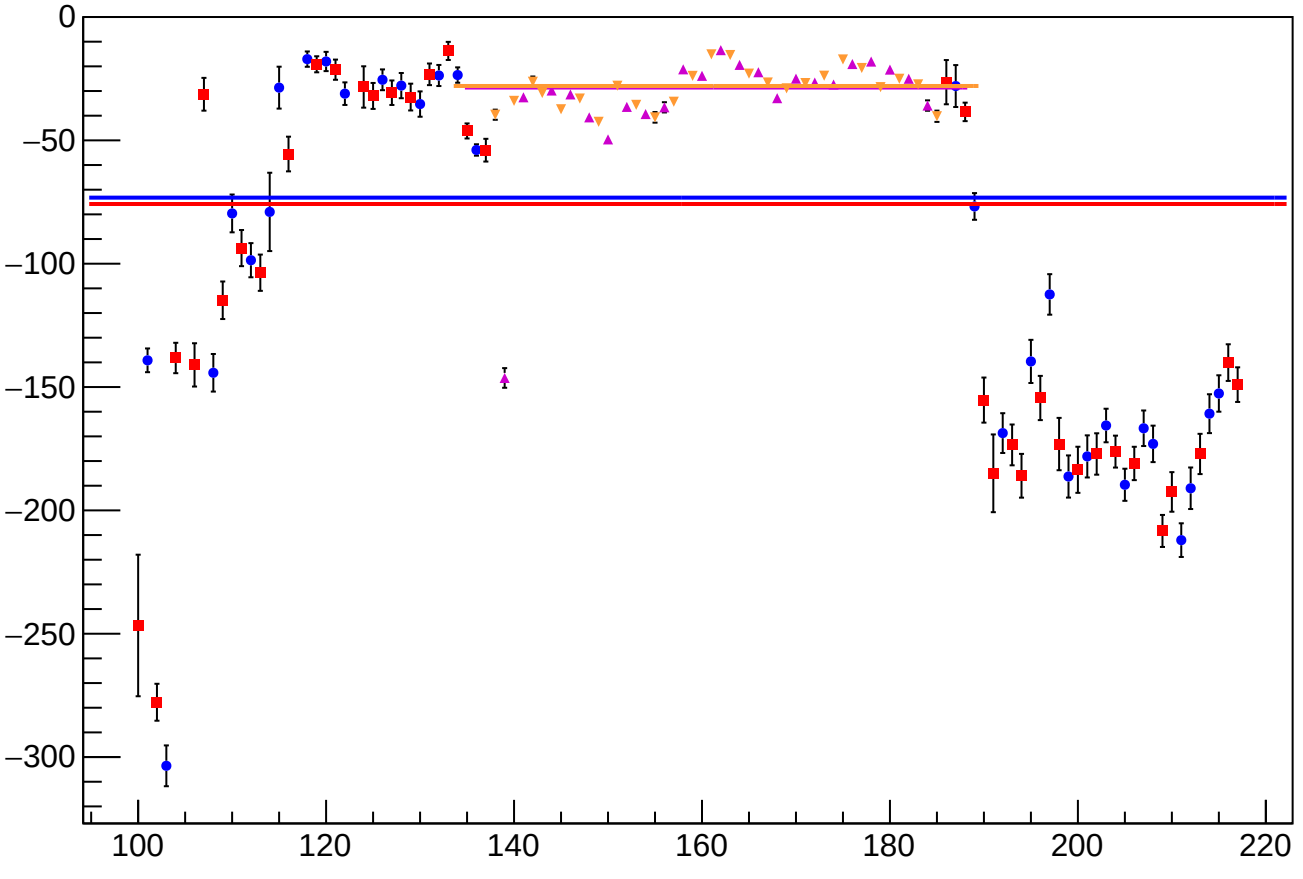
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -45.560+/-0.361 χ^2/NDF: 1739.7/55

All: -44.827+/-0.260 χ^2/NDF: 4186.9/114

- sign -44.047+/-0.373 χ^2/NDF: 2438.7/58

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -73.219+/-0.955 χ^2/NDF: 4701.9/30

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -75.800+/-0.986 χ^2/NDF: 4730.8/35

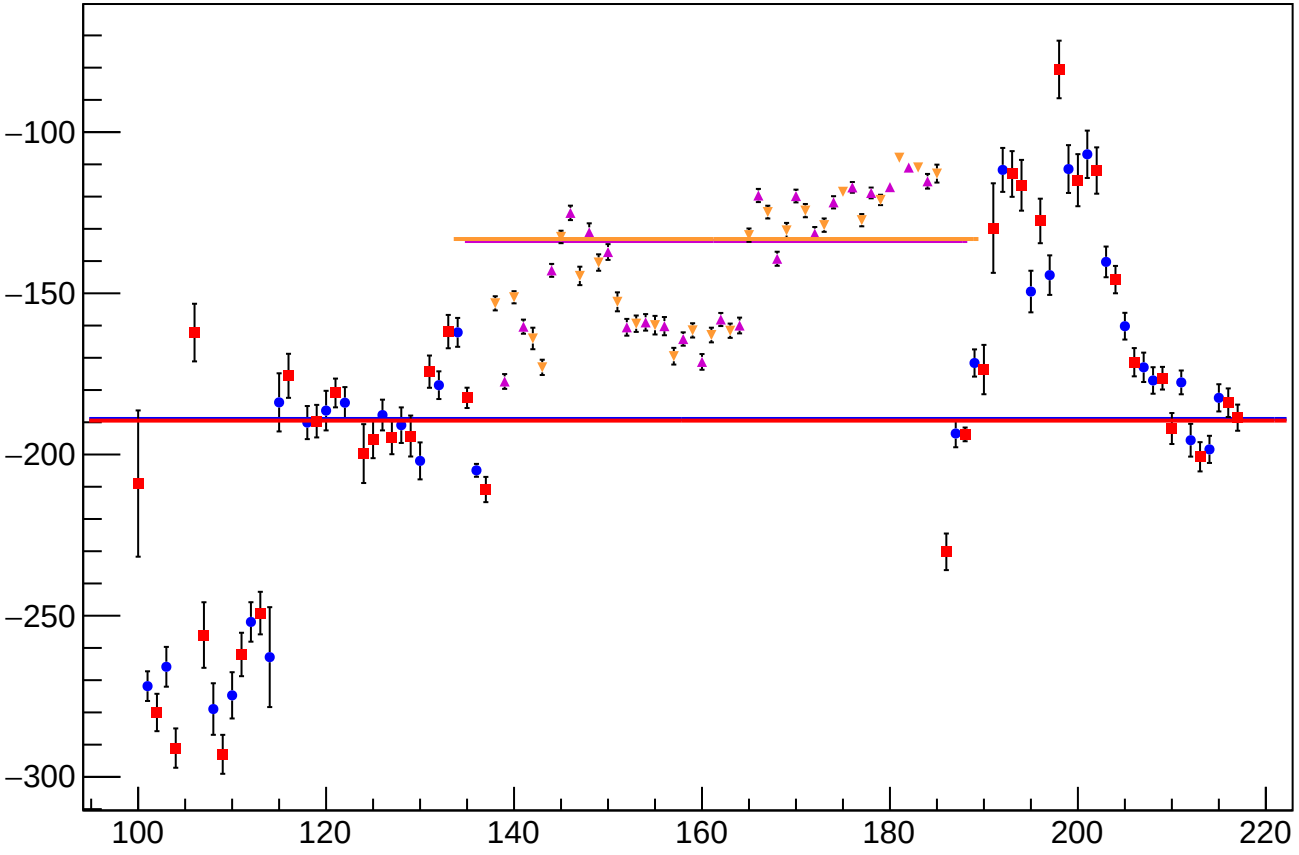
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -32.555+/-0.304 χ^2/NDF: 7217.9/55

All: -32.980+/-0.219 χ^2/NDF: 15488.7/114

\- sign -33.438+/-0.316 χ^2/NDF: 8266.8/58

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.976+/-0.853 χ^2/NDF: 1652.8/30

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.481+/-0.851 χ^2/NDF: 2006.7/35

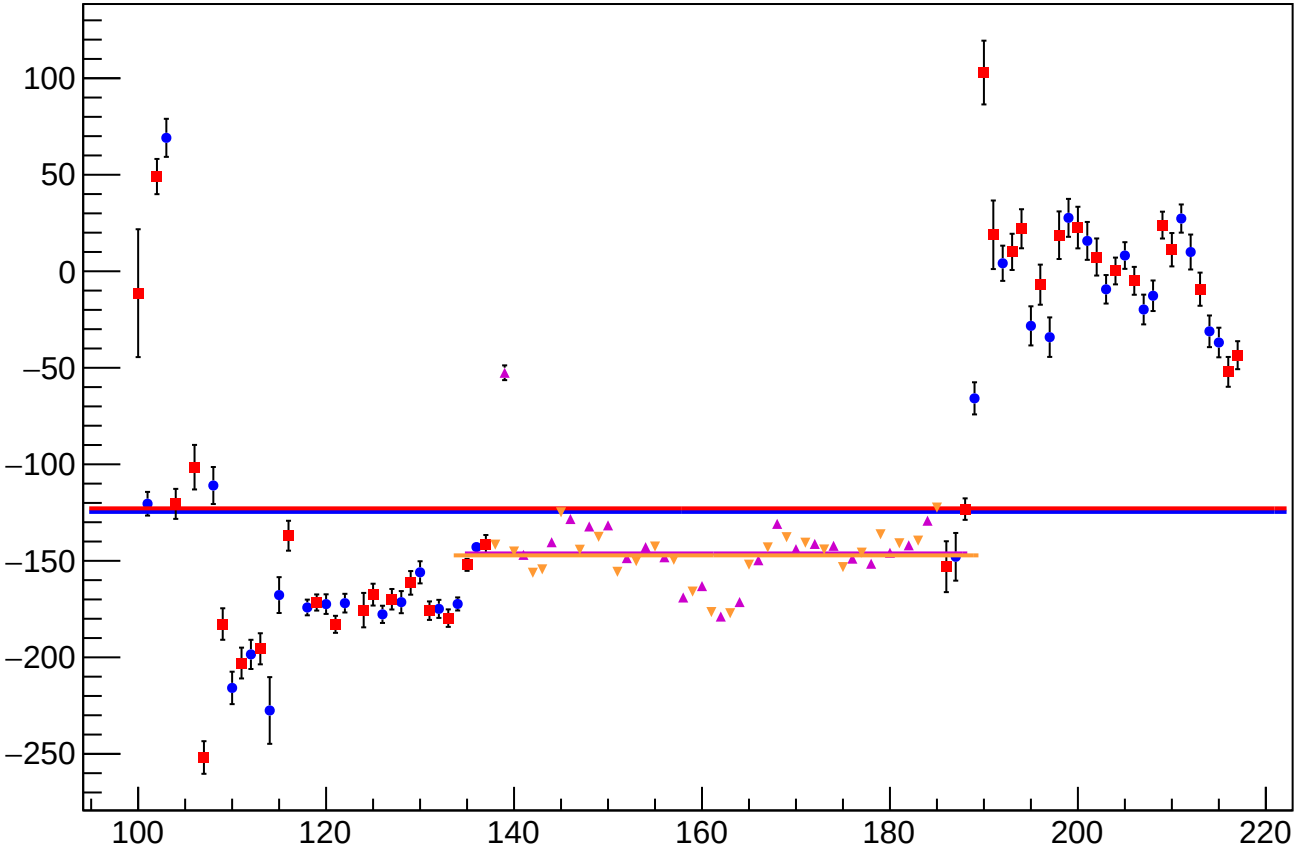
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -143.337+/-0.364 χ^2/NDF: 7684.4/55

All: -143.933+/-0.261 χ^2/NDF: 15592.5/114

- sign -144.562+/-0.374 χ^2/NDF: 7902.6/58

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -124.645+/-1.070 χ^2/NDF: 4384.1/30

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -122.815+/-1.122 χ^2/NDF: 4692.9/35

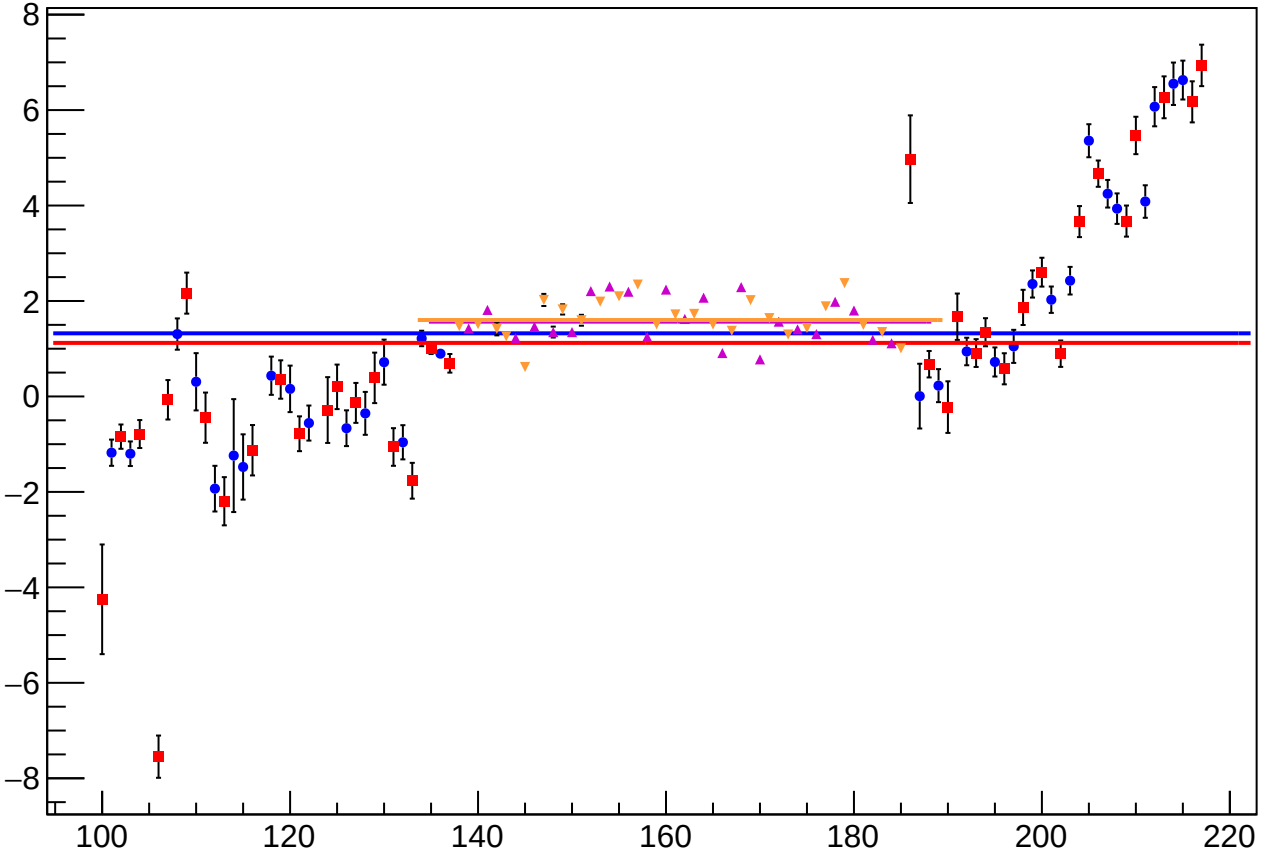
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -144.897+/-0.340 χ^2/NDF: 6028.3/55

All: -144.404+/-0.244 χ^2/NDF: 12910.4/114

- sign -143.874+/-0.352 χ^2/NDF: 6877.7/58

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.322+/-0.052 χ^2/NDF: 1257.6/30

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.122+/-0.055 χ^2/NDF: 1663.0/35

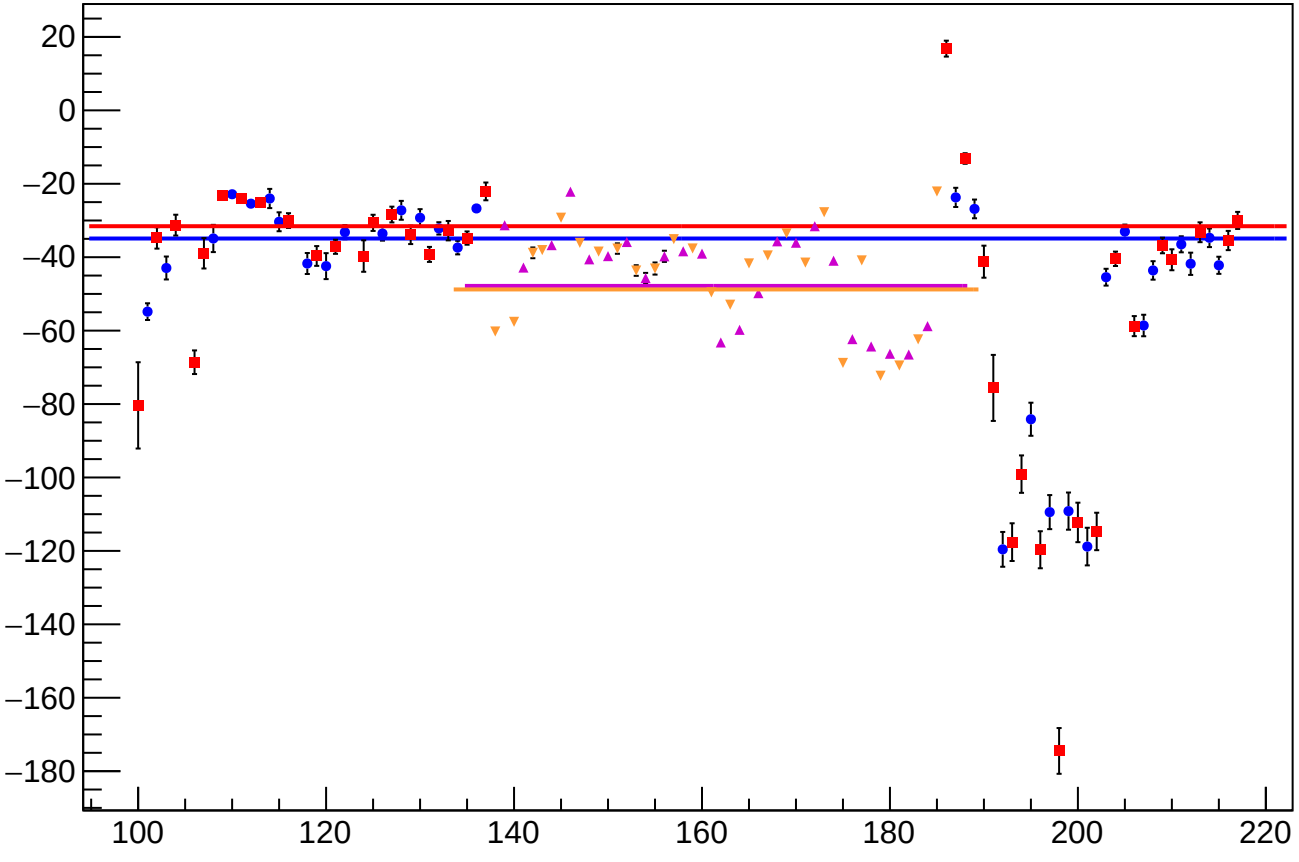
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.577+/-0.015 χ^2/NDF: 1865.8/55

All: 1.555+/-0.011 χ^2/NDF: 4328.8/114

- sign 1.531+/-0.016 χ^2/NDF: 2458.6/58

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.910+/-0.393 χ^2/NDF: 1671.5/30

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.557+/-0.375 χ^2/NDF: 2956.3/35

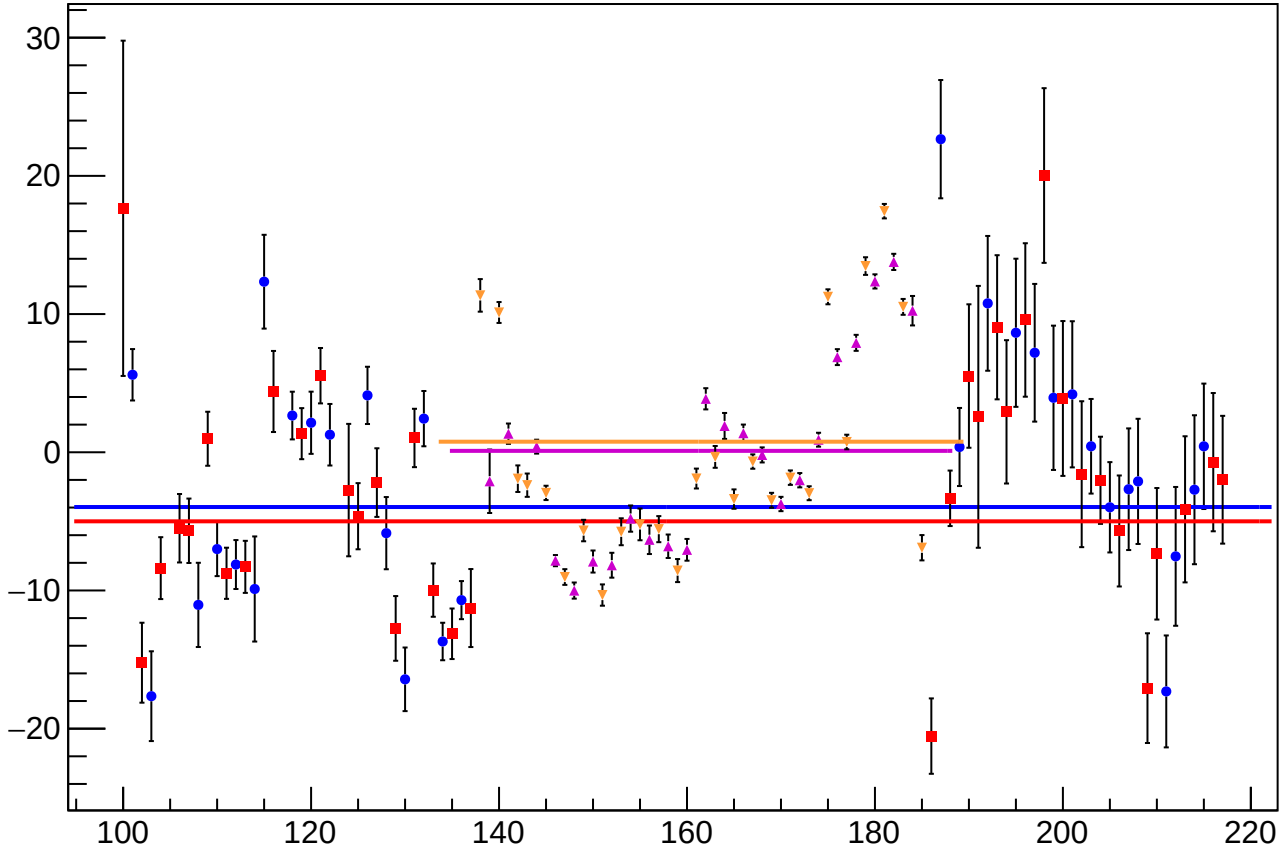
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.663+/-0.153 χ^2/NDF: 11682.9/55

All: -45.864+/-0.109 χ^2/NDF: 23477.4/114

- sign -45.050+/-0.155 χ^2/NDF: 11739.7/58

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.962+/-0.462 χ^2/NDF: 321.0/30

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.997+/-0.463 χ^2/NDF: 221.2/35

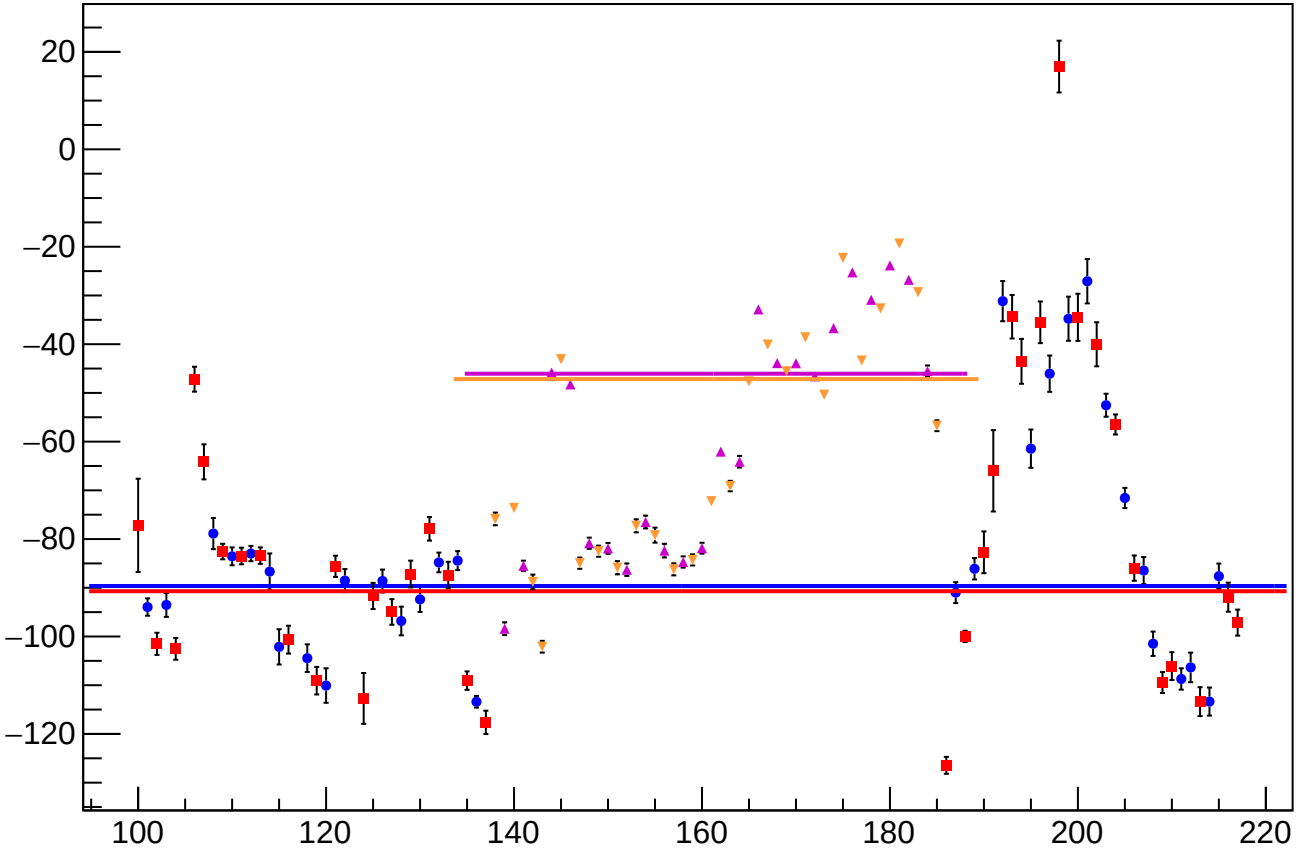
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.407+/-0.127 χ^2/NDF: 3884.9/55

All: 0.062+/-0.090 χ^2/NDF: 6954.9/114

- sign -0.287+/-0.128 χ^2/NDF: 3055.2/58

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.632+/-0.428 χ^2/NDF: 1785.9/30

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.706+/-0.412 χ^2/NDF: 2839.4/35

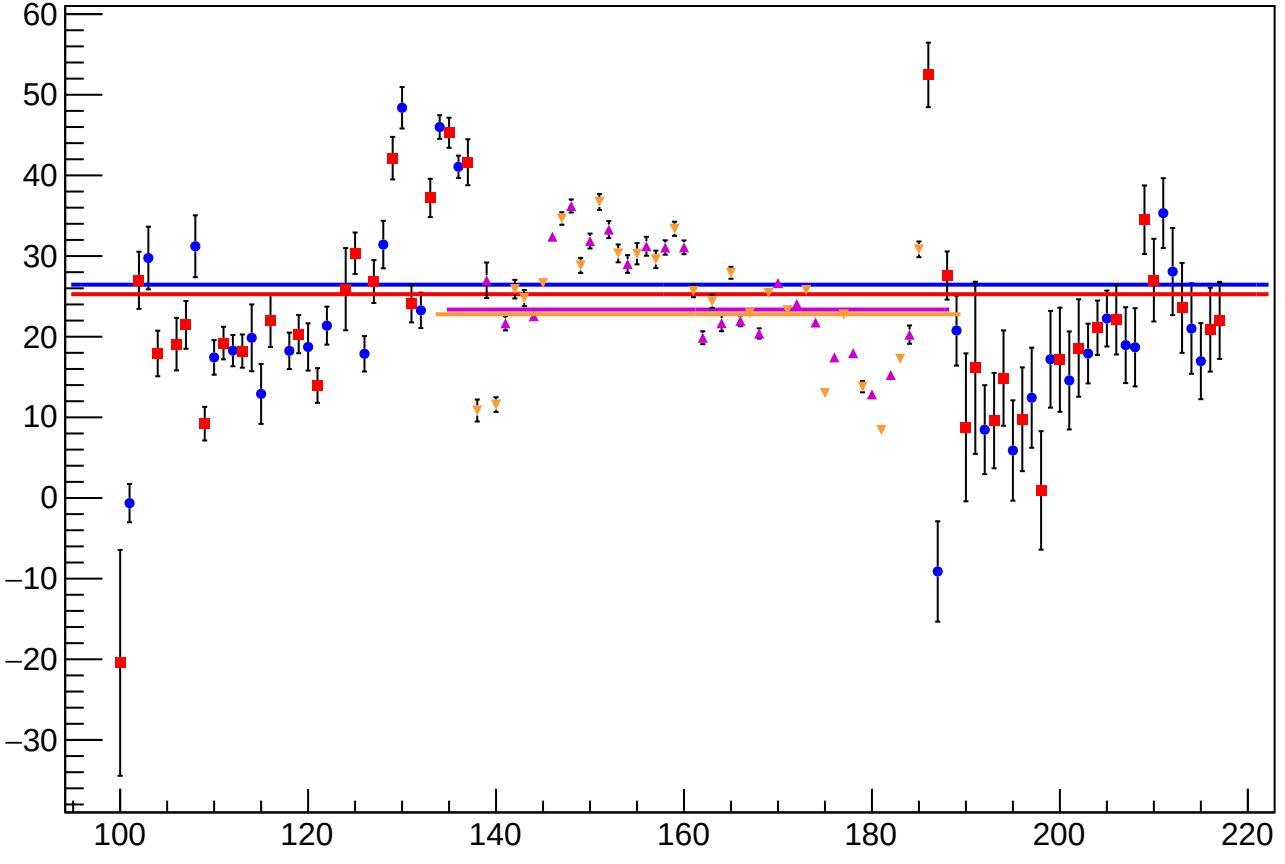
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -52.820+/-0.156 χ^2/NDF: 27996.3/55

All: -52.700+/-0.111 χ^2/NDF: 55658.8/114

- sign -52.577+/-0.157 χ^2/NDF: 27661.2/58

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.451+/-0.519 χ^2/NDF: 679.6/30

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.273+/-0.530 χ^2/NDF: 443.5/35

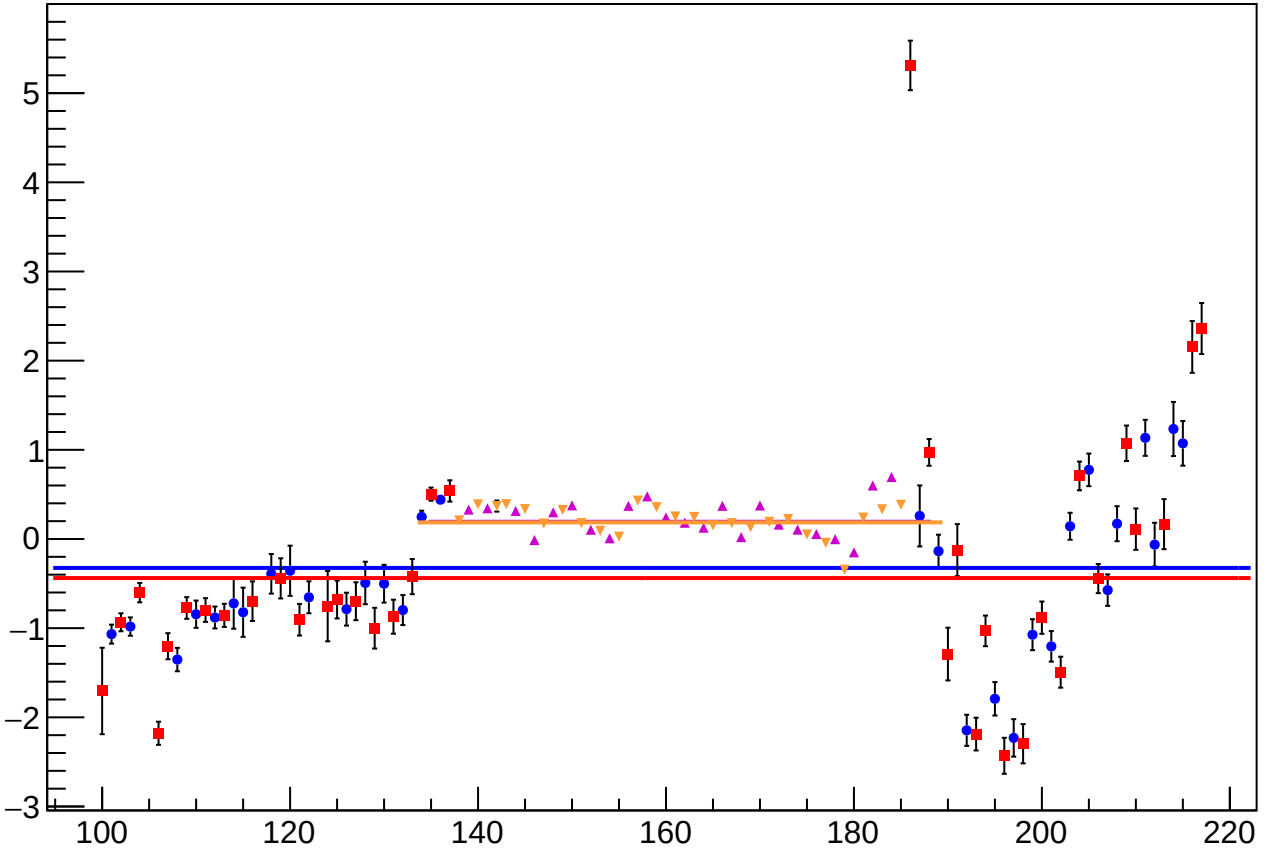
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.056+/-0.142 χ^2/NDF: 3138.8/55

All: 23.278+/-0.101 χ^2/NDF: 5384.6/114

- sign 23.505+/-0.143 χ^2/NDF: 2240.9/58

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.324+/-0.026 χ^2/NDF: 924.4/30

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.438+/-0.027 χ^2/NDF: 1653.7/35

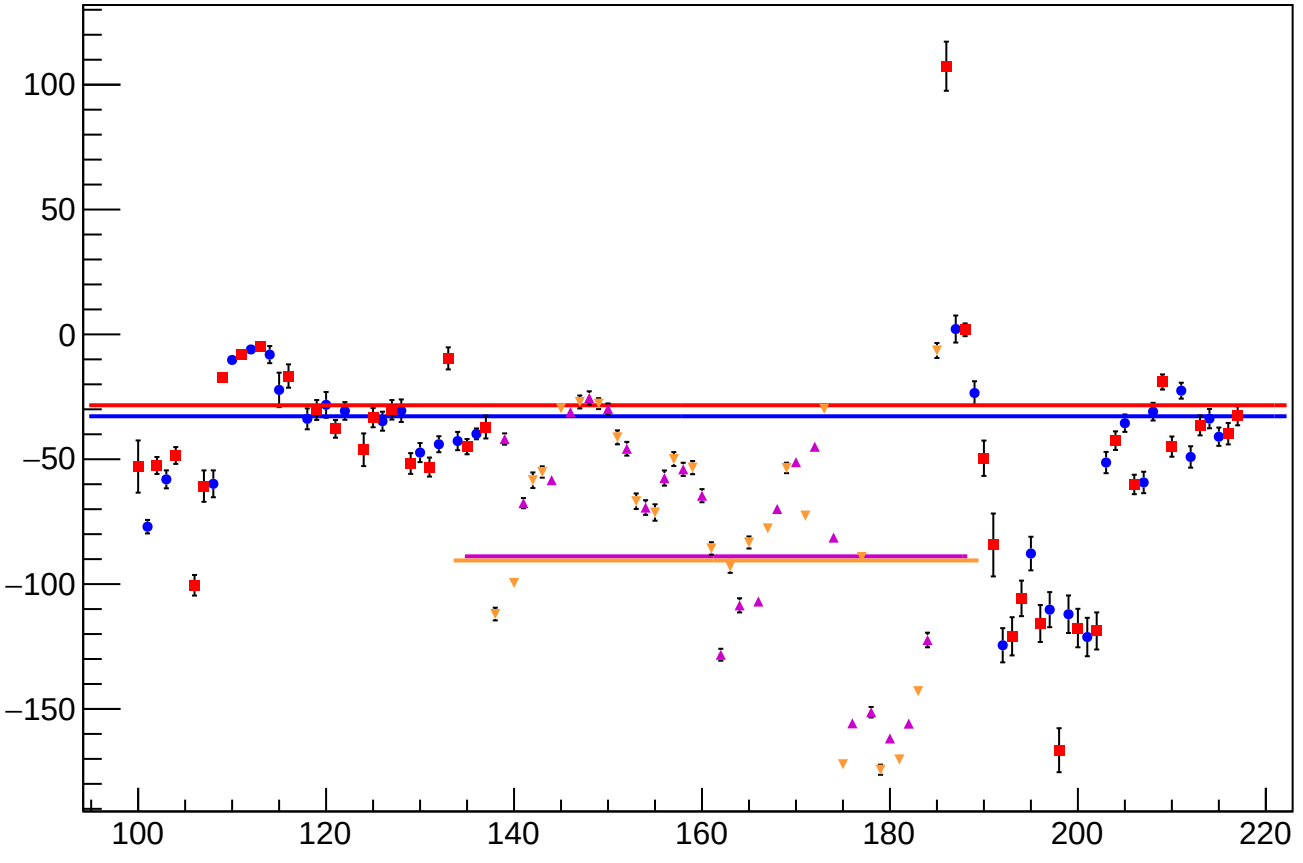
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.156+/-0.006 χ^2/NDF: 1926.7/55

All: 0.157+/-0.005 χ^2/NDF: 5021.3/114

- sign 0.158+/-0.006 χ^2/NDF: 3094.6/58

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.792+/-0.616 χ^2/NDF: 1682.5/30

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.381+/-0.571 χ^2/NDF: 2434.9/35

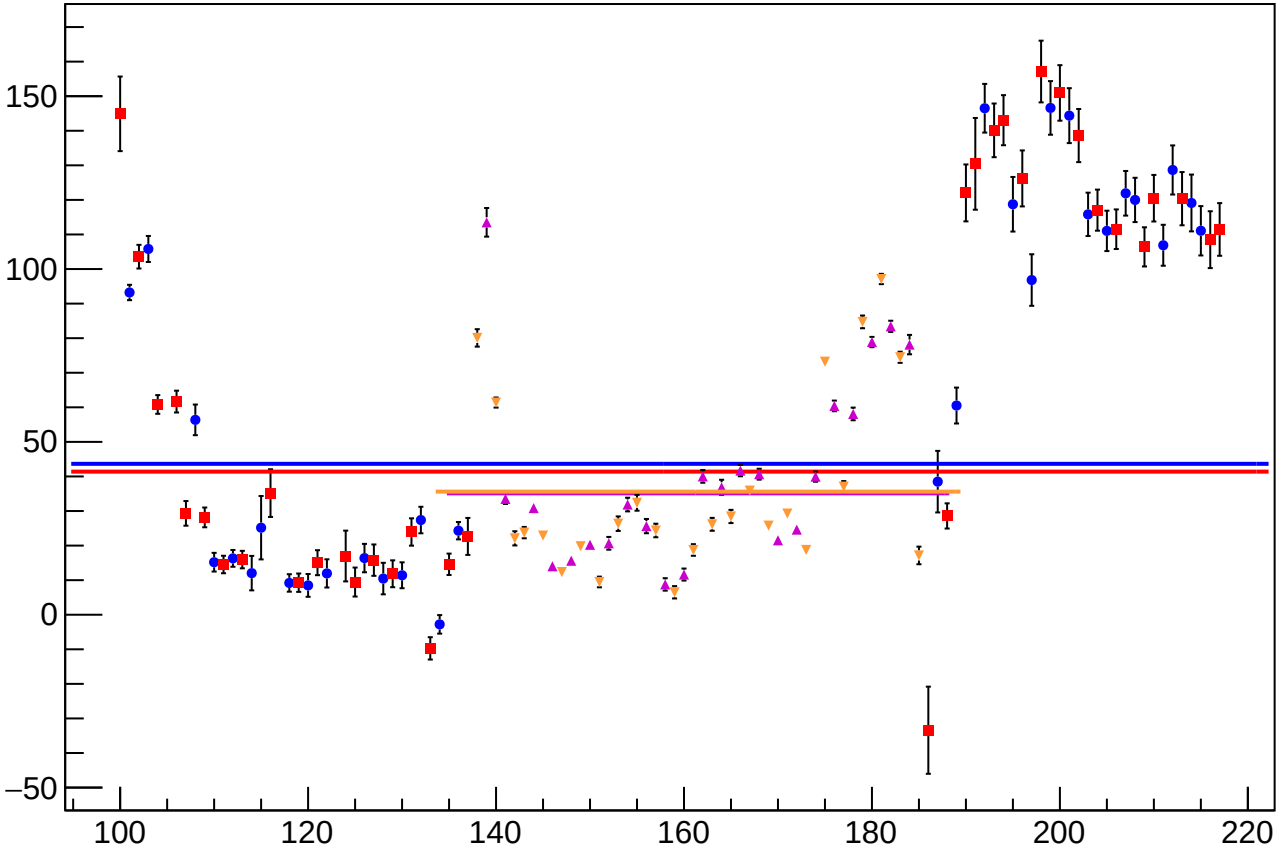
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -72.150+/-0.348 χ^2/NDF: 23022.1/55

All: -69.419+/-0.245 χ^2/NDF: 44500.6/114

- sign -66.718+/-0.346 χ^2/NDF: 21355.9/58

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 43.654+/-0.734 χ^2/NDF: 3656.7/30

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 41.397+/-0.719 χ^2/NDF: 3488.0/35

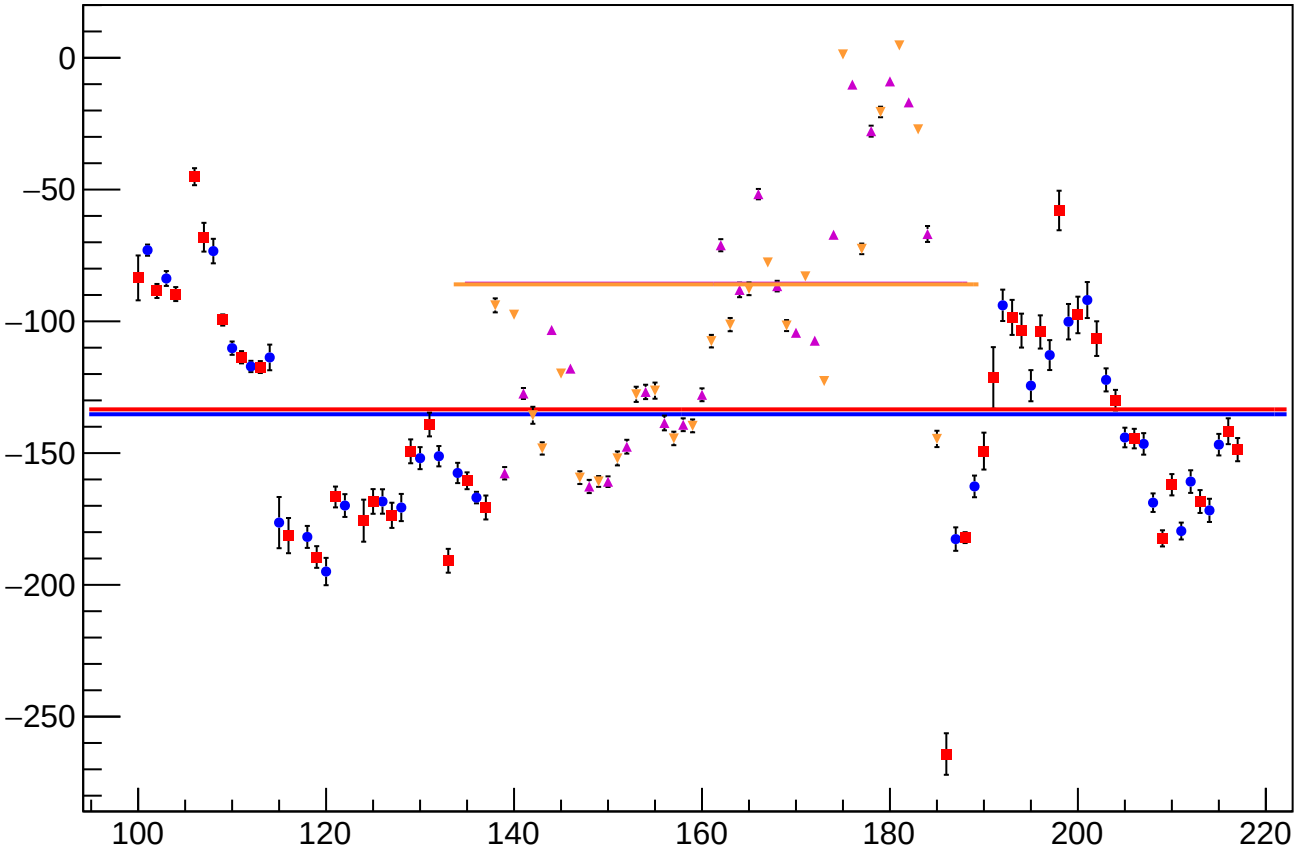
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 36.936+/-0.298 χ^2/NDF: 9730.1/55

All: 36.596+/-0.213 χ^2/NDF: 17427.8/114

- sign 36.240+/-0.305 χ^2/NDF: 7695.1/58

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.268+/-0.671 χ^2/NDF: 2981.6/30

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.402+/-0.641 χ^2/NDF: 4084.1/35

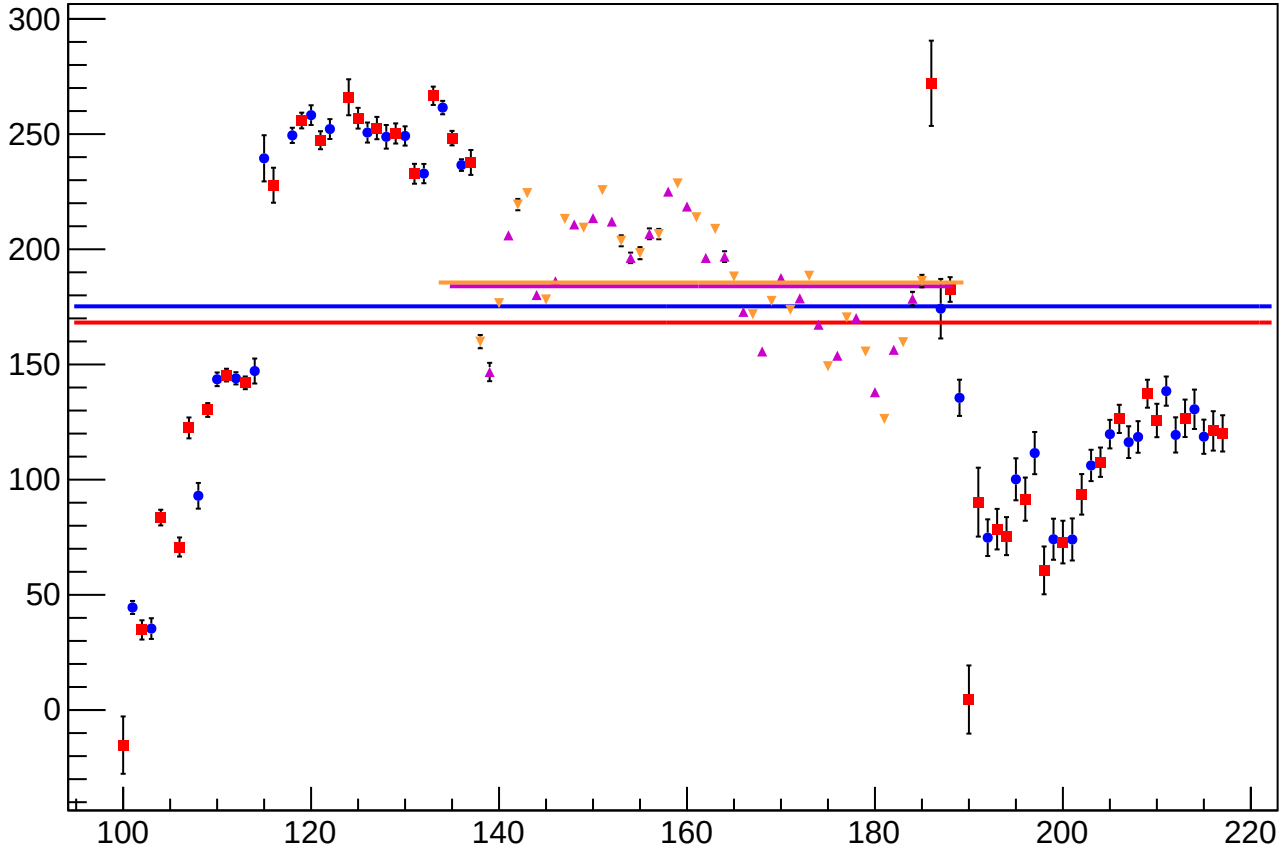
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -99.895+/-0.356 χ^2/NDF: 23090.9/55

All: -100.264+/-0.253 χ^2/NDF: 44743.8/114

- sign -100.637+/-0.358 χ^2/NDF: 21650.7/58

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 175.236+/-0.834 χ^2/NDF: 8364.3/30

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 168.199+/-0.823 χ^2/NDF: 7871.1/35

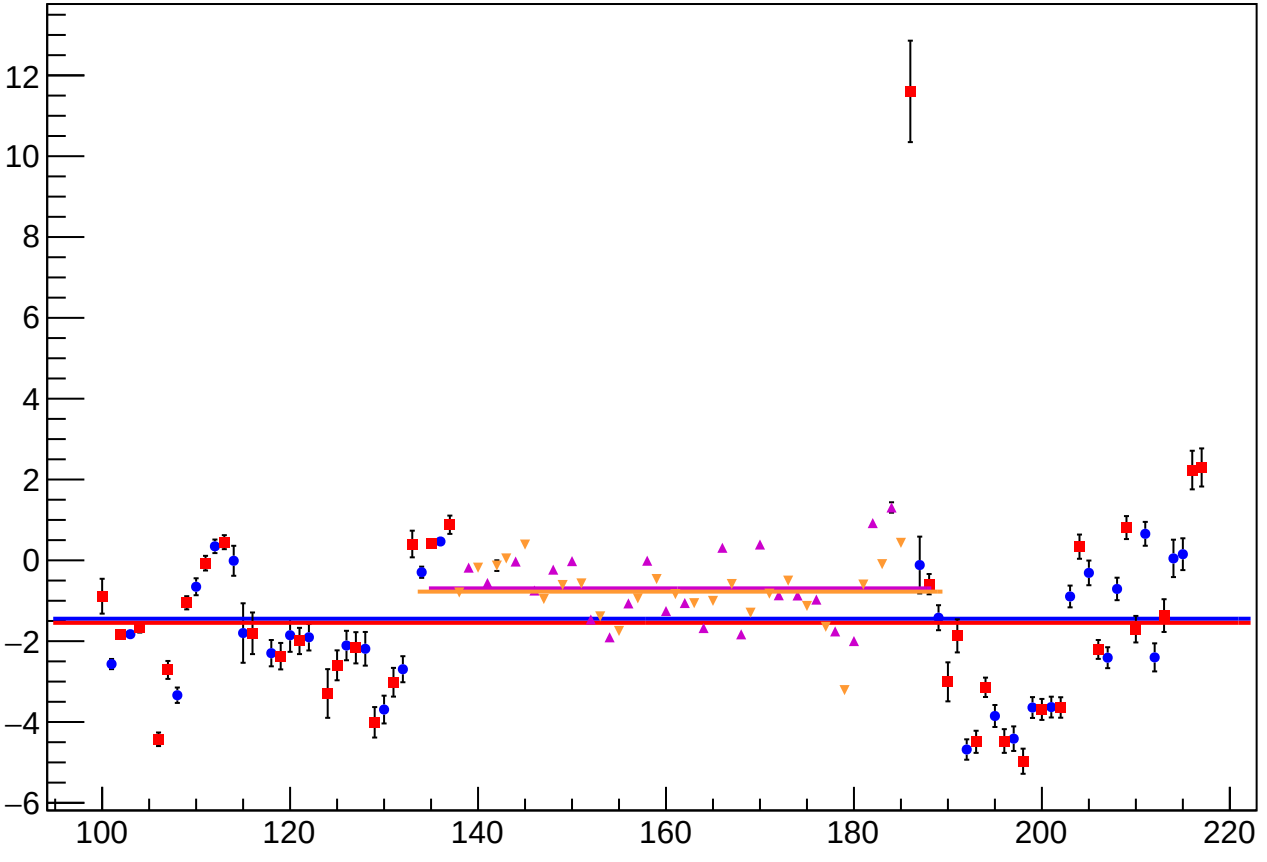
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 183.908+/-0.336 χ^2/NDF: 13847.9/55

All: 182.586+/-0.240 χ^2/NDF: 25926.1/114

- sign 181.204+/-0.343 χ^2/NDF: 12046.5/58

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.445+/-0.041 χ^2/NDF: 1437.4/30

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.546+/-0.040 χ^2/NDF: 1924.2/35

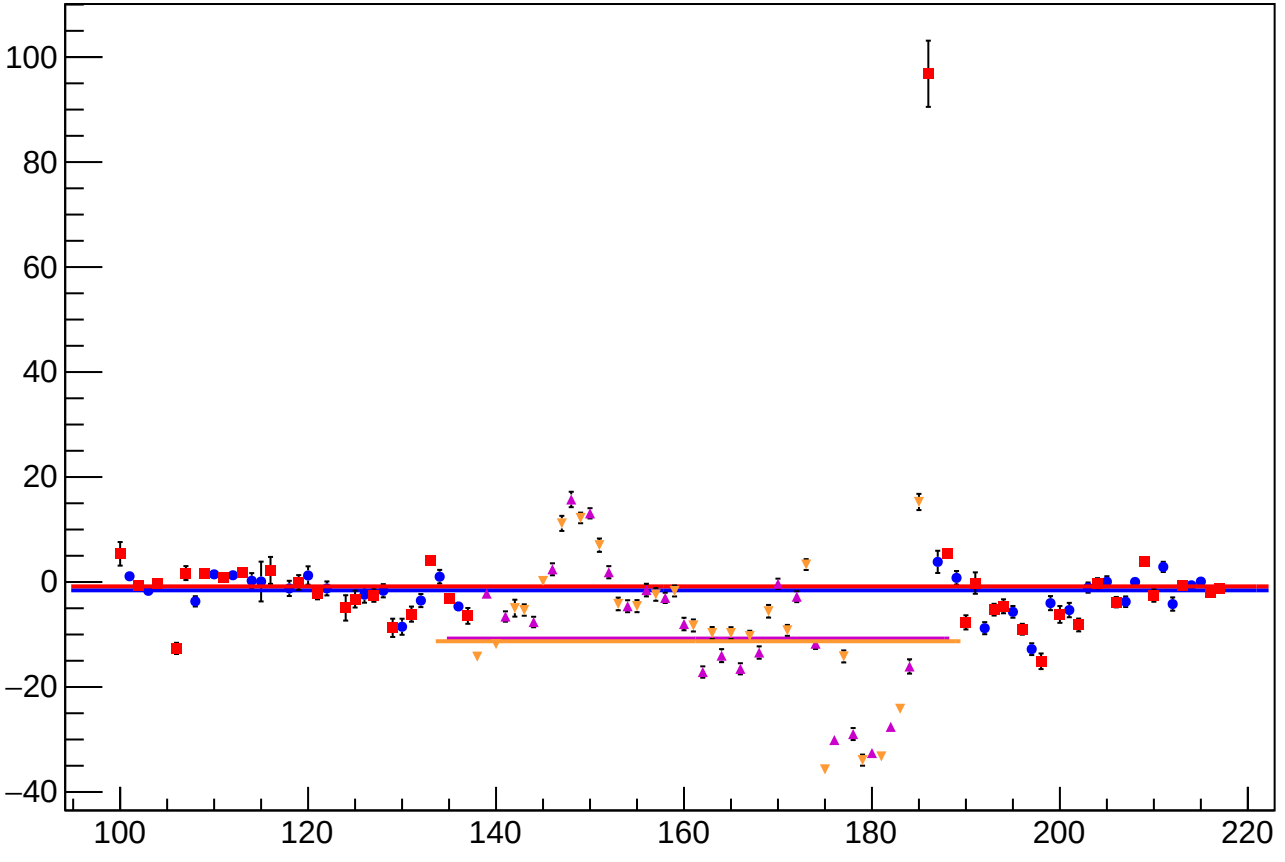
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.868+/-0.015 χ^2/NDF: 3492.3/55

All: -0.844+/-0.011 χ^2/NDF: 8370.4/114

- sign -0.820+/-0.015 χ^2/NDF: 4873.4/58

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.581+/-0.187 χ^2/NDF: 323.5/30

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.832+/-0.168 χ^2/NDF: 931.2/35

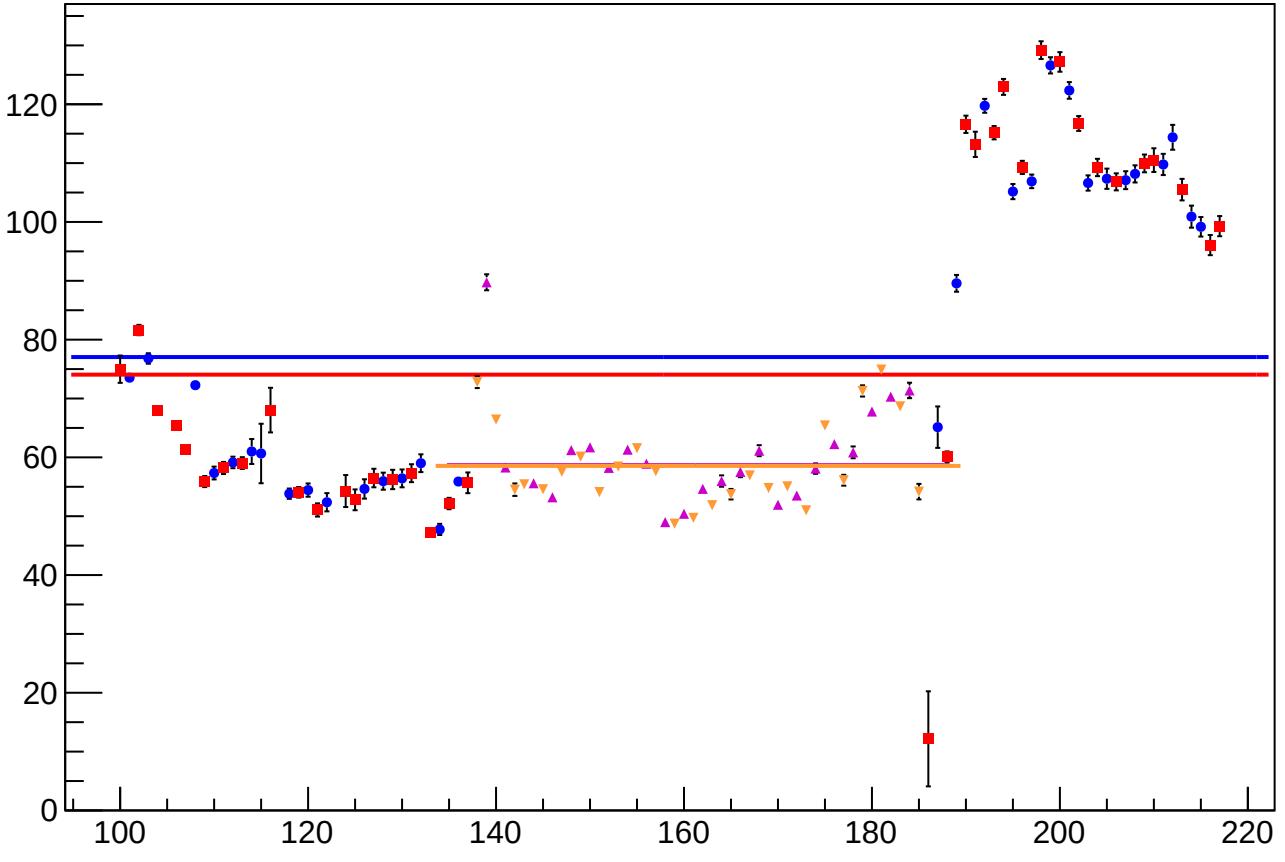
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -5.925+/-0.139 χ^2/NDF: 6025.8/55

All: -5.251+/-0.096 χ^2/NDF: 12040.0/114

- sign -4.644+/-0.132 χ^2/NDF: 5969.7/58

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 77.045+/-0.219 χ^2/NDF: 11981.1/30

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.055+/-0.201 χ^2/NDF: 16329.4/35

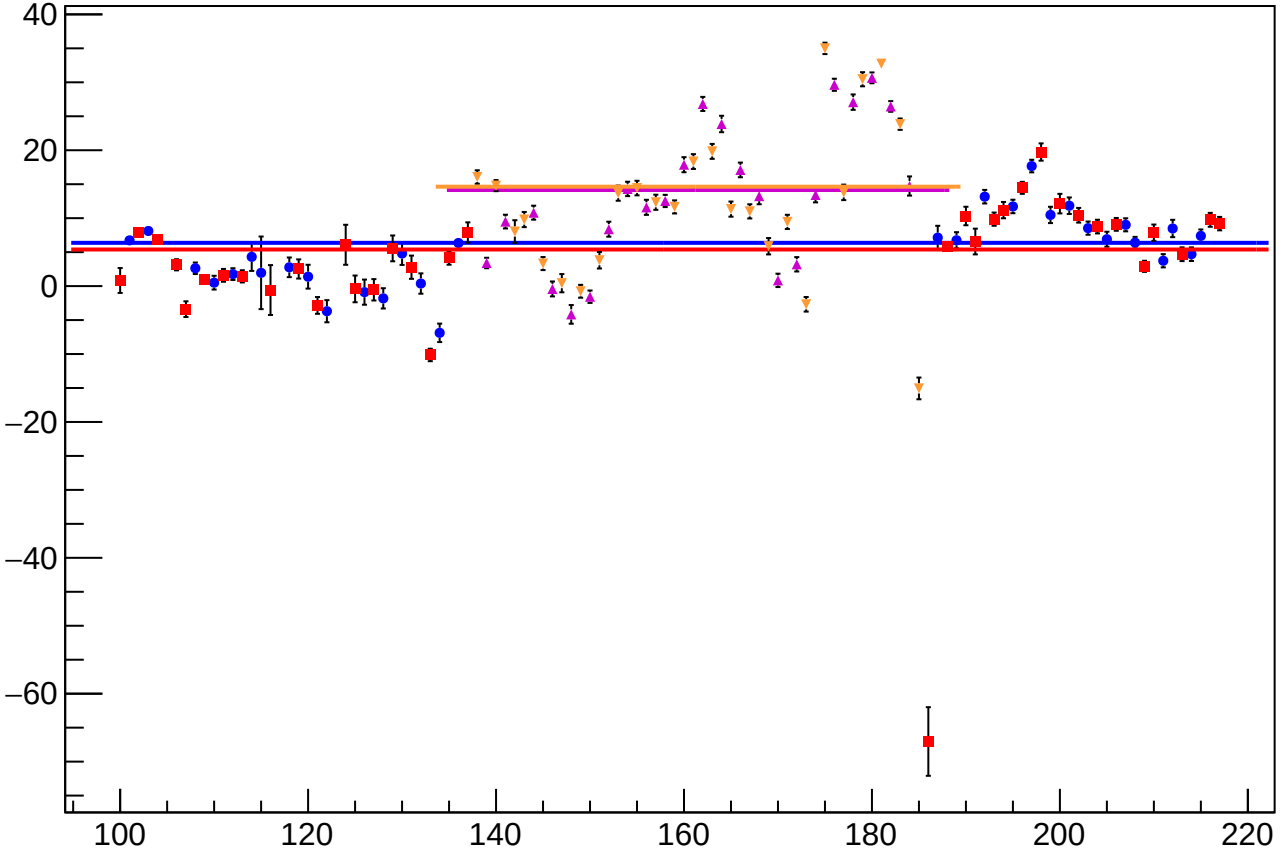
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 65.052+/-0.130 χ^2/NDF: 18513.3/55

All: 65.040+/-0.091 χ^2/NDF: 39900.4/114

- sign 65.029+/-0.129 χ^2/NDF: 21387.1/58

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.369+/-0.189 χ^2/NDF: 583.7/30

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.387+/-0.173 χ^2/NDF: 1148.1/35

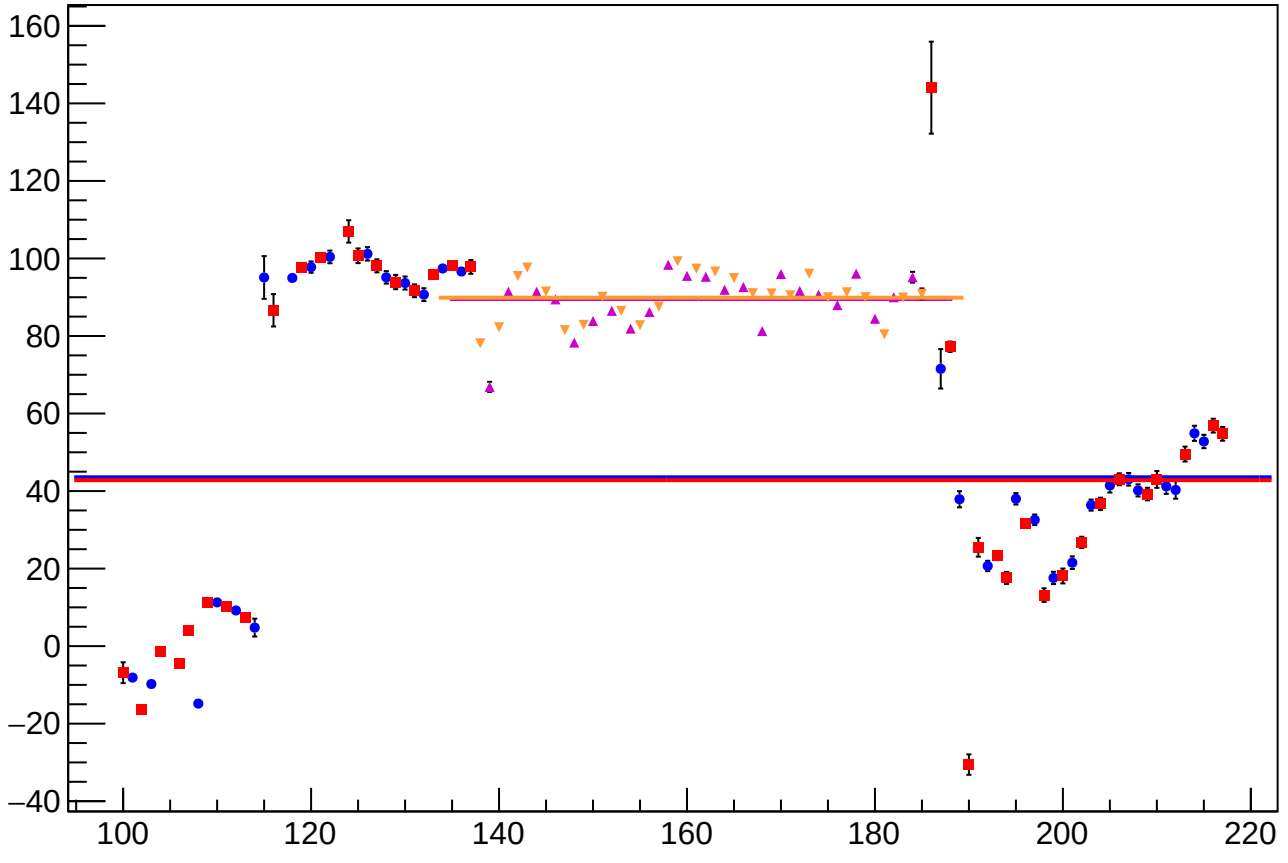
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.137+/-0.140 χ^2/NDF: 4415.8/55

All: 9.489+/-0.097 χ^2/NDF: 9177.1/114

- sign 8.894+/-0.134 χ^2/NDF: 4719.9/58

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.554+/-0.252 χ^2/NDF: 28003.5/30

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.807+/-0.234 χ^2/NDF: 31866.7/35

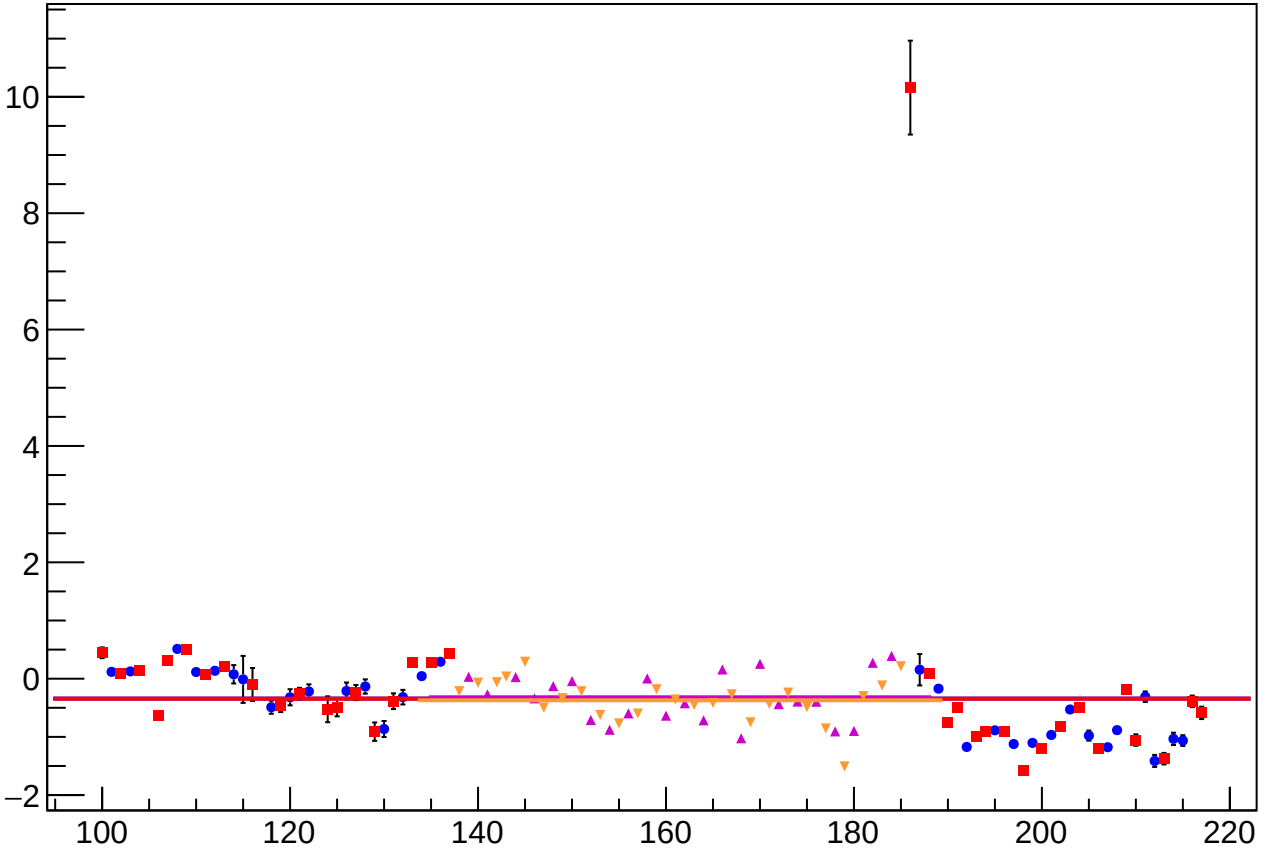
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 74.093+/-0.147 χ^2/NDF: 51377.7/55

All: 72.677+/-0.104 χ^2/NDF: 108800.3/114

- sign 71.273+/-0.146 χ^2/NDF: 57237.9/58

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.342+/-0.010 χ^2/NDF: 3475.0/30

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.344+/-0.010 χ^2/NDF: 3858.1/35

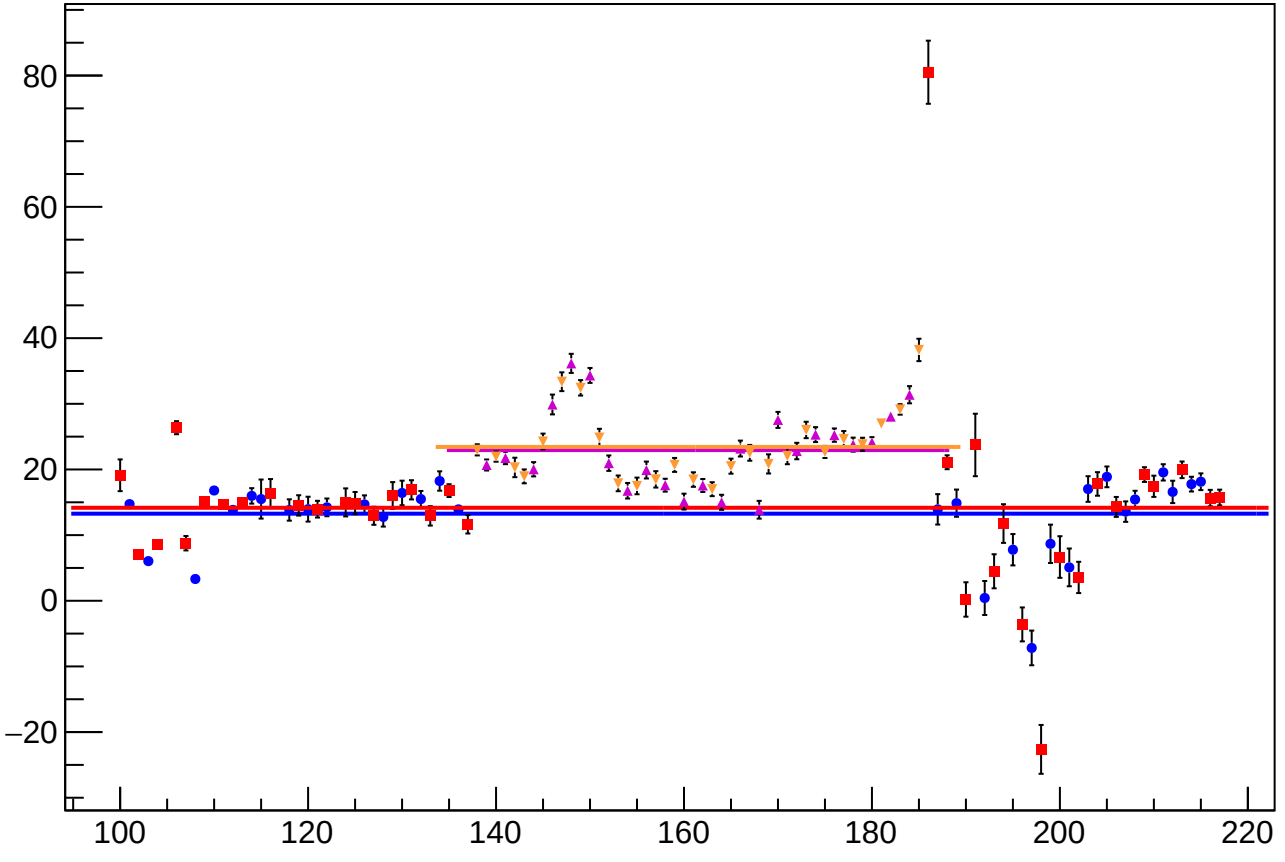
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.360+/-0.006 χ^2/NDF: 5249.4/55

All: -0.344+/-0.004 χ^2/NDF: 11564.0/114

- sign -0.329+/-0.006 χ^2/NDF: 6302.8/58

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.264+/-0.192 χ^2/NDF: 572.4/30

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.163+/-0.183 χ^2/NDF: 911.7/35

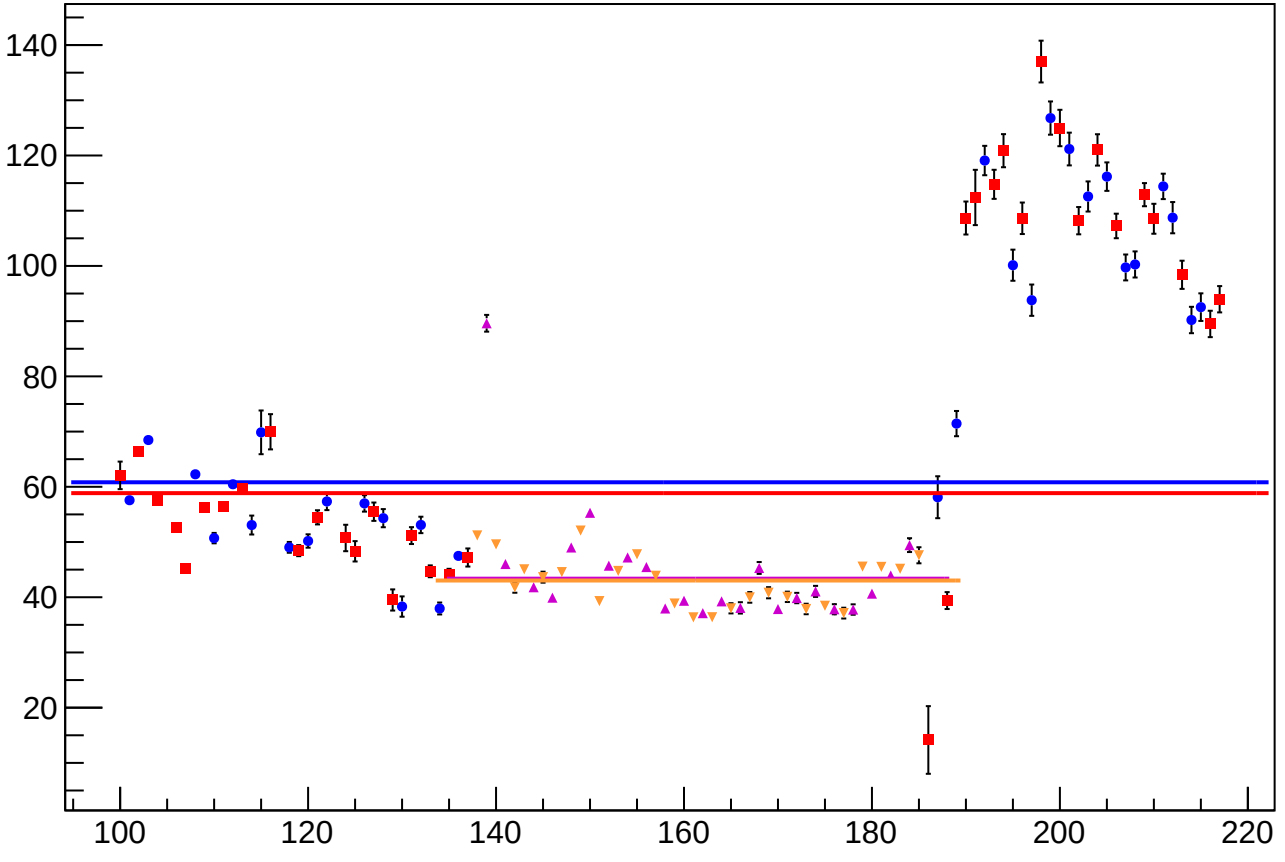
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.767+/-0.144 χ^2/NDF: 2236.2/55

All: 17.713+/-0.101 χ^2/NDF: 4628.1/114

- sign 17.660+/-0.142 χ^2/NDF: 2391.7/58

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 60.819+/-0.211 χ^2/NDF: 5720.0/30

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.853+/-0.212 χ^2/NDF: 7040.3/35

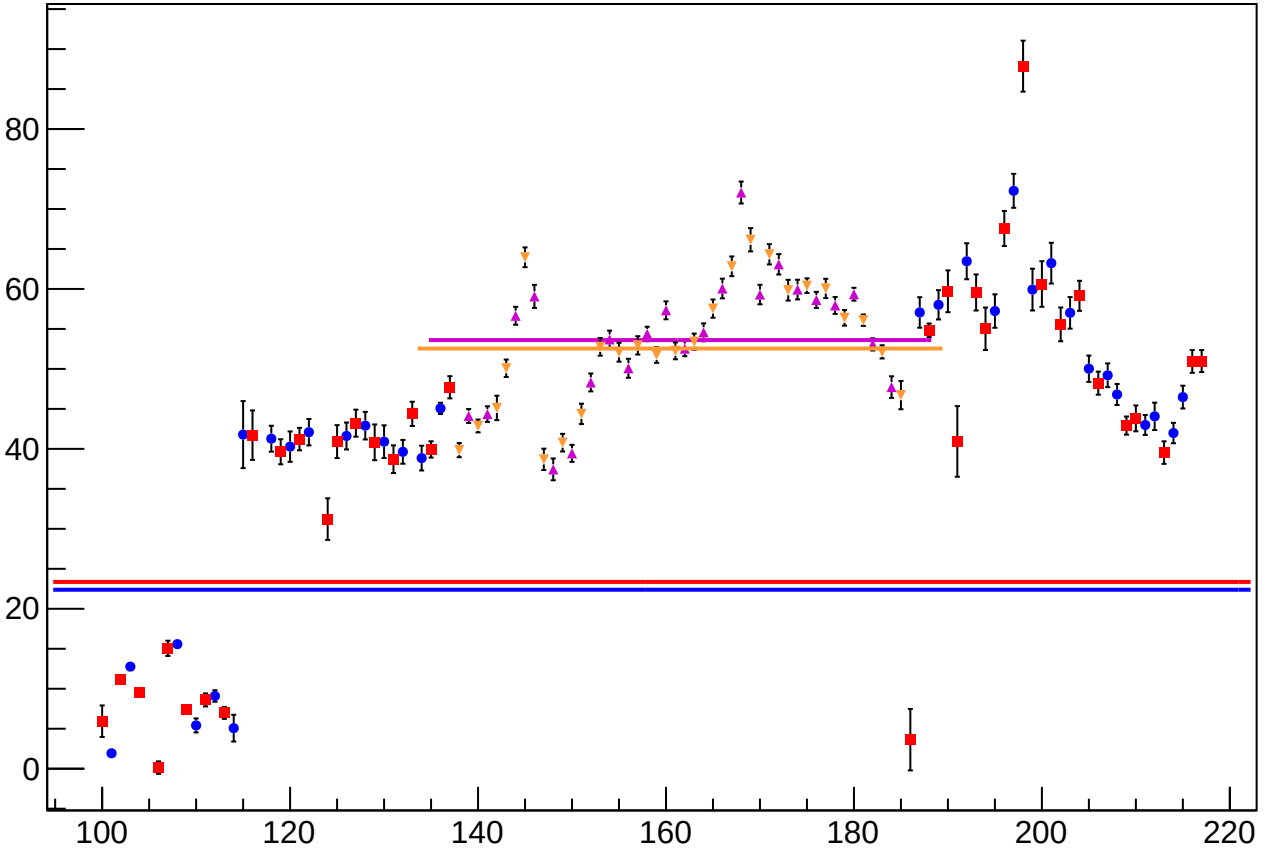
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.902+/-0.131 χ^2/NDF: 10869.3/55

All: 49.825+/-0.094 χ^2/NDF: 22746.9/114

- sign 49.742+/-0.136 χ^2/NDF: 11876.9/58

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 22.383+/-0.192 χ^2/NDF: 10742.9/30

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.360+/-0.193 χ^2/NDF: 10474.5/35

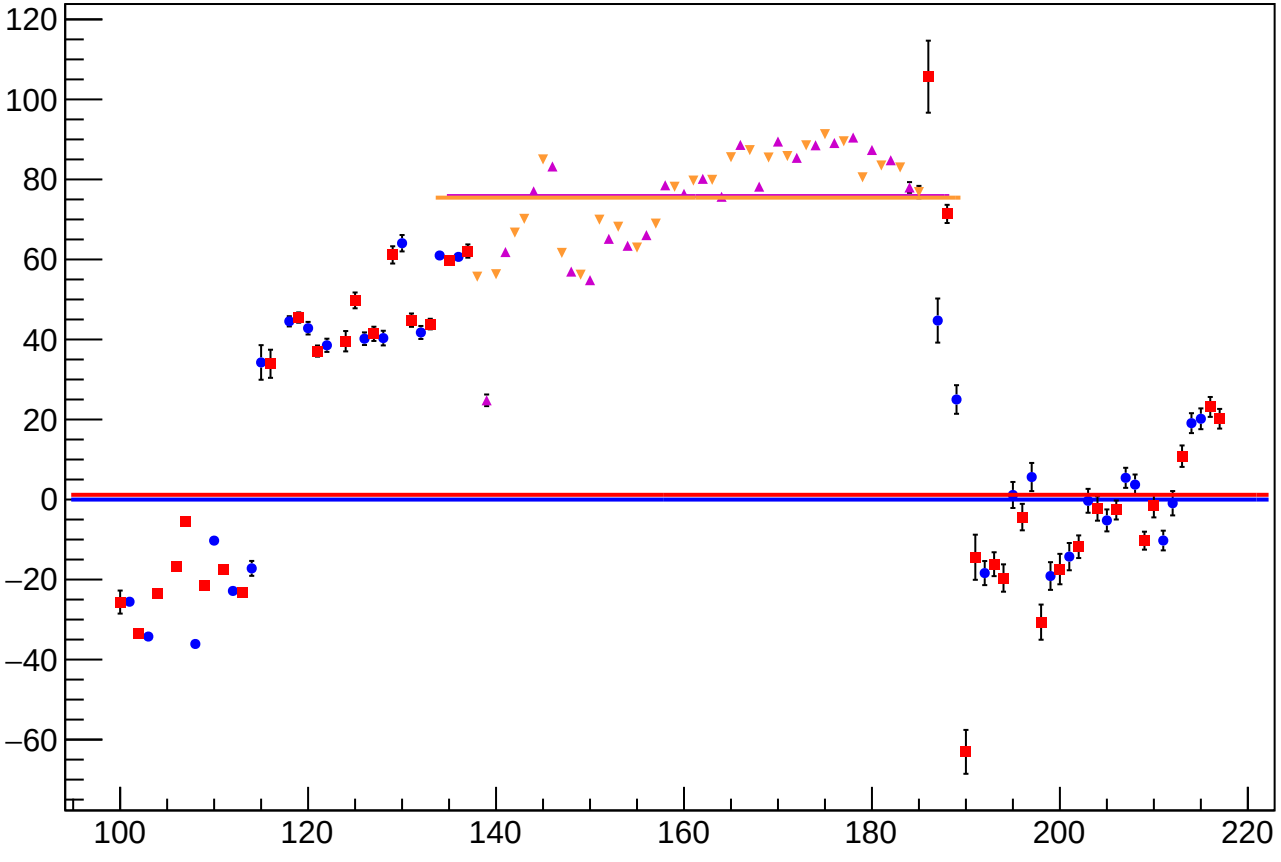
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.802+/-0.143 χ^2/NDF: 22901.6/55

All: 36.048+/-0.102 χ^2/NDF: 44930.2/114

- sign 36.304+/-0.146 χ^2/NDF: 22022.5/58

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.012+/-0.247 χ^2/NDF: 21381.9/30

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.180+/-0.248 χ^2/NDF: 17620.1/35

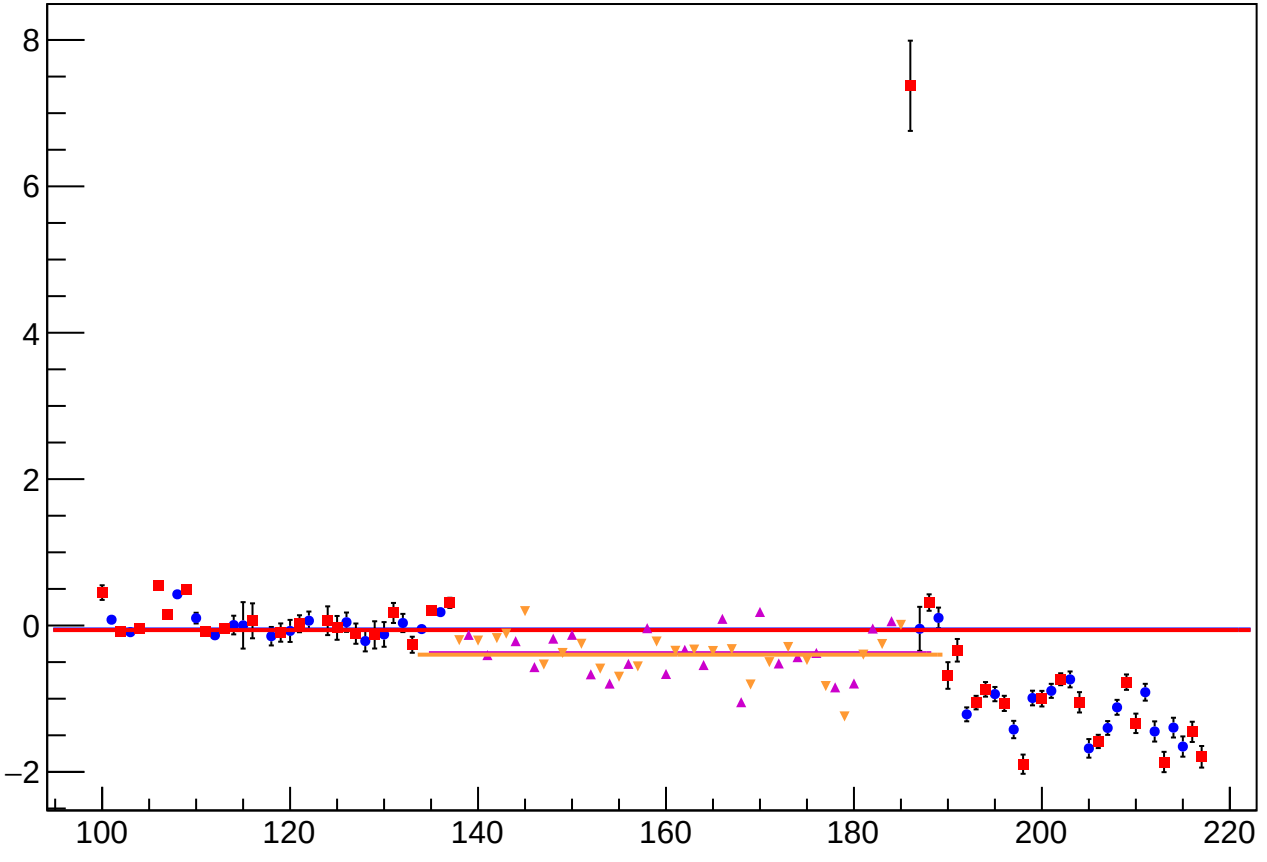
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.754+/-0.150 χ^2/NDF: 83763.6/55

All: 47.343+/-0.108 χ^2/NDF: 161189.8/114

- sign 46.908+/-0.154 χ^2/NDF: 77410.8/58

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.054+/-0.010 χ^2/NDF: 1915.0/30

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.063+/-0.011 χ^2/NDF: 2243.8/35

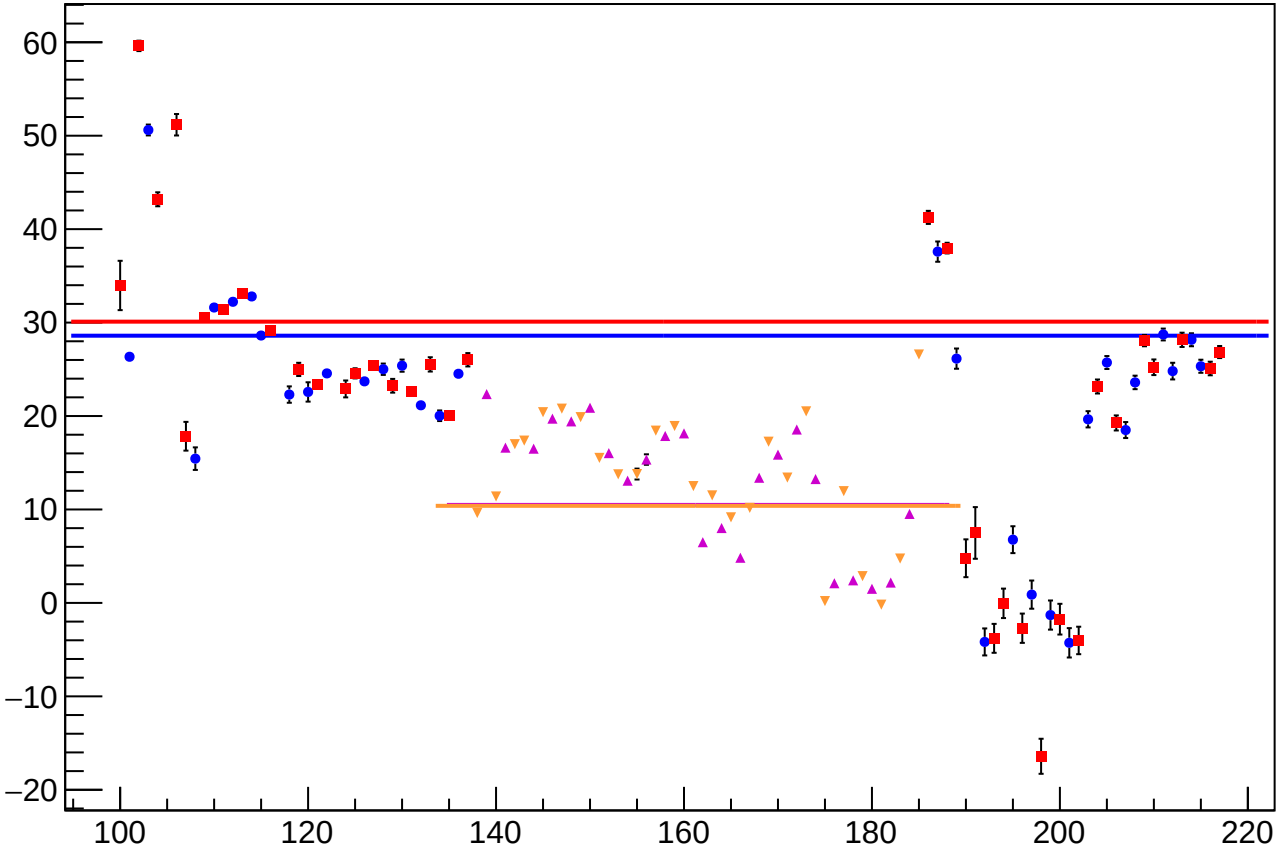
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.264+/-0.007 χ^2/NDF: 3600.9/55

All: -0.258+/-0.005 χ^2/NDF: 7731.5/114

- sign -0.252+/-0.007 χ^2/NDF: 4129.2/58

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.597+/-0.086 χ^2/NDF: 5790.1/30

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.100+/-0.075 χ^2/NDF: 9022.2/35

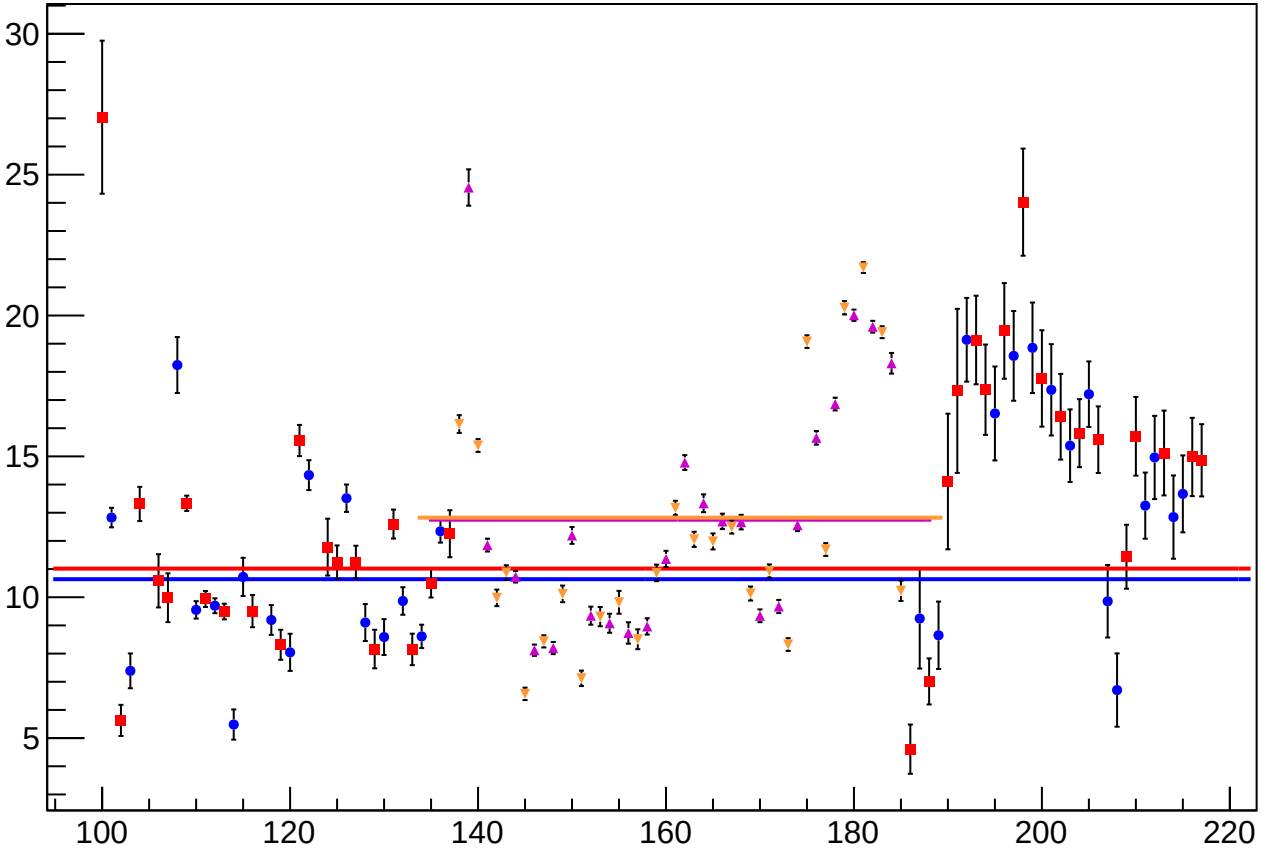
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

\+ sign 16.943+/-0.051 χ^2/NDF: 48598.0/55

All: 18.071+/-0.036 χ^2/NDF: 108101.2/114

\- sign 19.139+/-0.050 χ^2/NDF: 58561.8/58

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.641+/-0.109 χ^2/NDF: 602.6/30

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.017+/-0.107 χ^2/NDF: 713.4/35

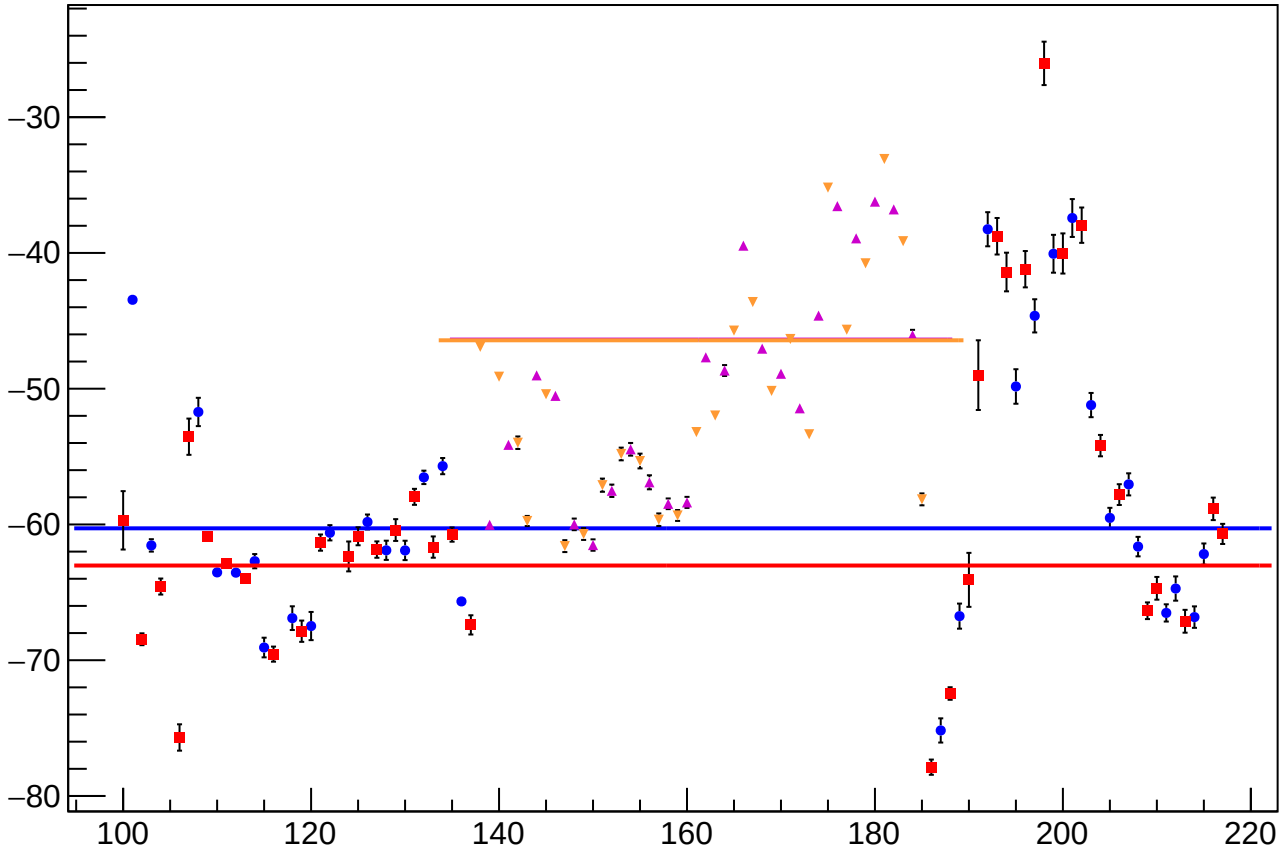
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.430+/-0.046 χ^2/NDF: 8949.9/55

All: 12.420+/-0.033 χ^2/NDF: 15378.5/114

- sign 12.409+/-0.047 χ^2/NDF: 6428.5/58

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.285+/-0.101 χ^2/NDF: 5262.9/30

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.025+/-0.095 χ^2/NDF: 4223.9/35

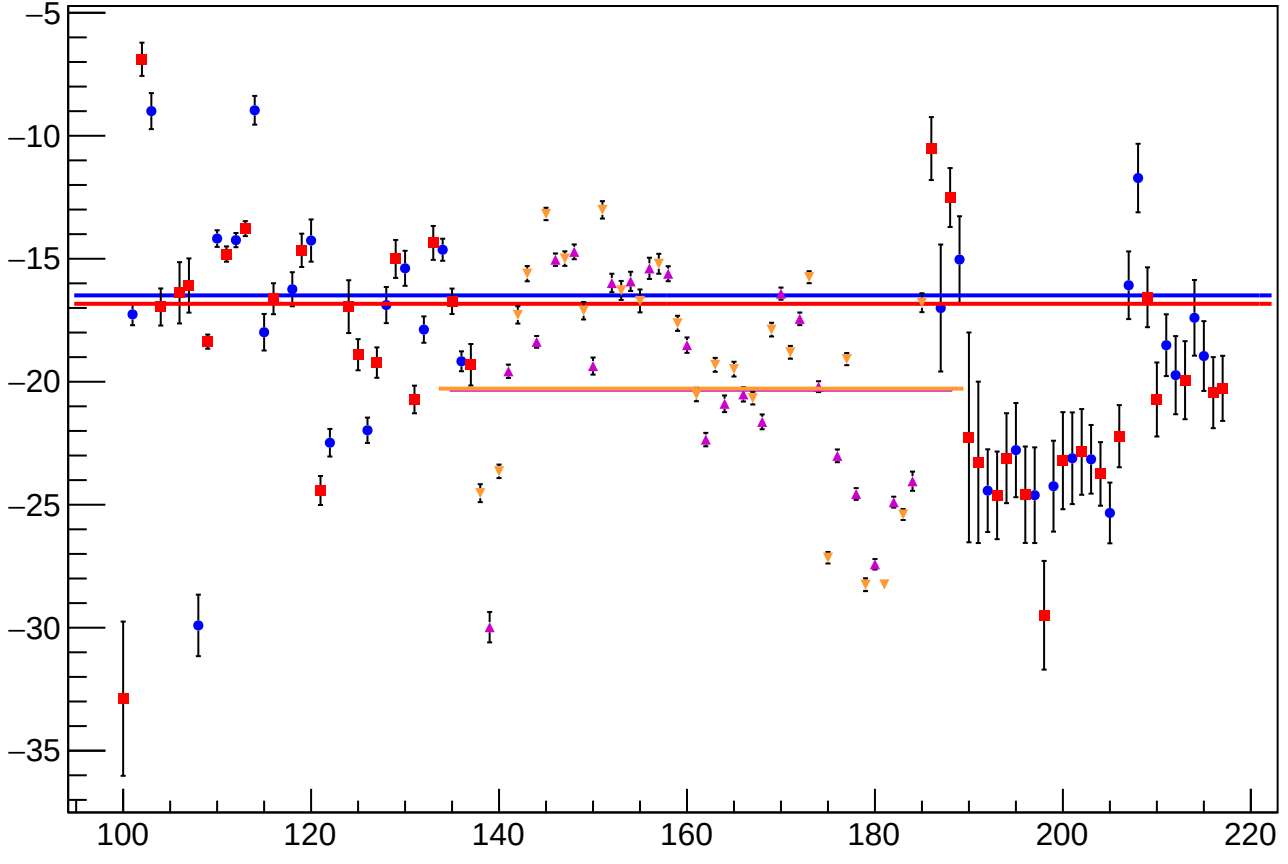
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.416+/-0.054 χ^2/NDF: 36717.5/55

All: -51.140+/-0.039 χ^2/NDF: 76855.2/114

- sign -51.873+/-0.055 χ^2/NDF: 39780.8/58

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.489+/-0.121 χ^2/NDF: 981.8/30

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.832+/-0.118 χ^2/NDF: 906.2/35

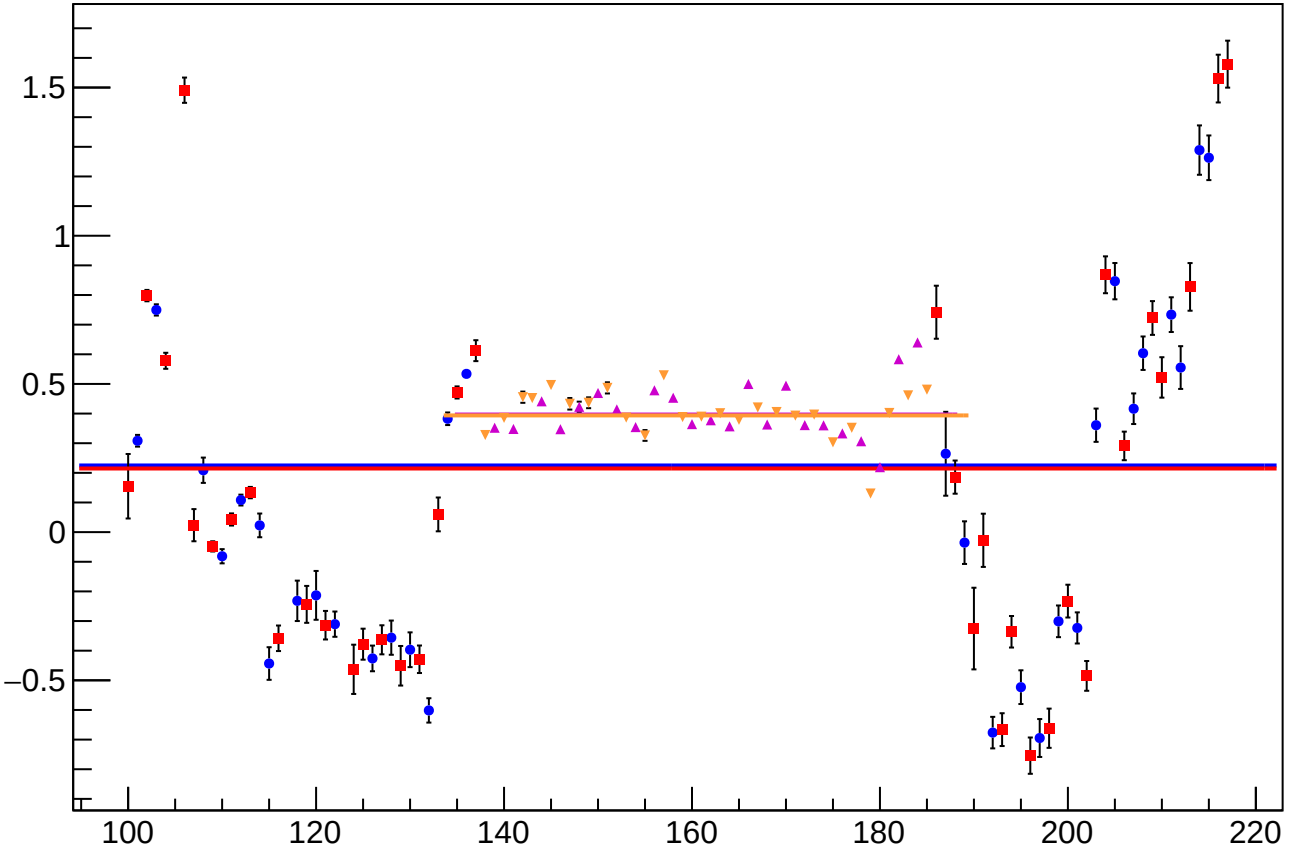
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.594+/-0.052 χ^2/NDF: 8801.2/55

All: -19.611+/-0.037 χ^2/NDF: 14676.5/114

- sign -19.628+/-0.053 χ^2/NDF: 5875.1/58

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.225+/-0.006 χ^2/NDF: 4139.1/30

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.215+/-0.006 χ^2/NDF: 5541.6/35

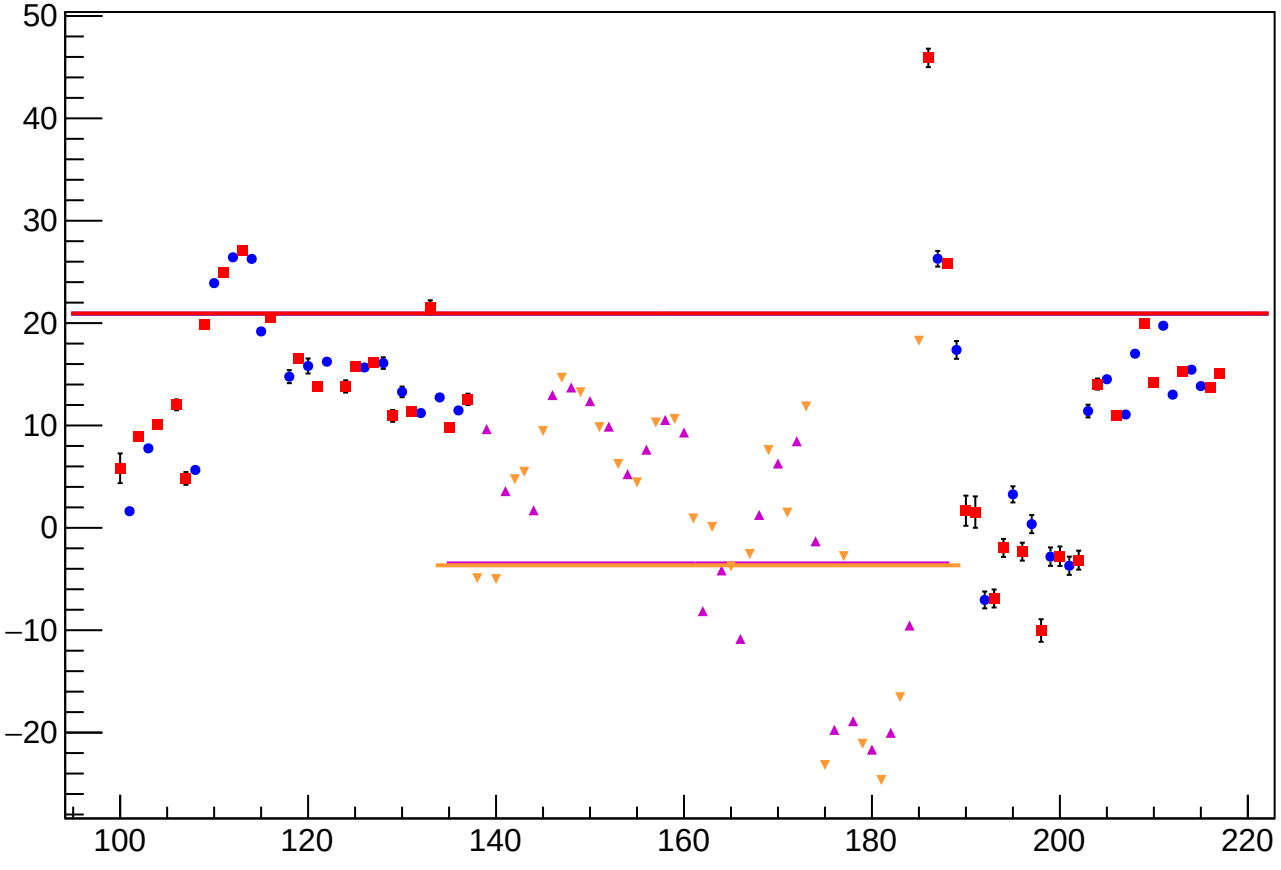
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.371+/-0.002 χ^2/NDF: 5677.1/55

All: 0.371+/-0.002 χ^2/NDF: 13198.3/114

- sign 0.371+/-0.002 χ^2/NDF: 7521.2/58

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.921+/-0.052 χ^2/NDF: 18768.7/30

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.943+/-0.043 χ^2/NDF: 18843.3/35

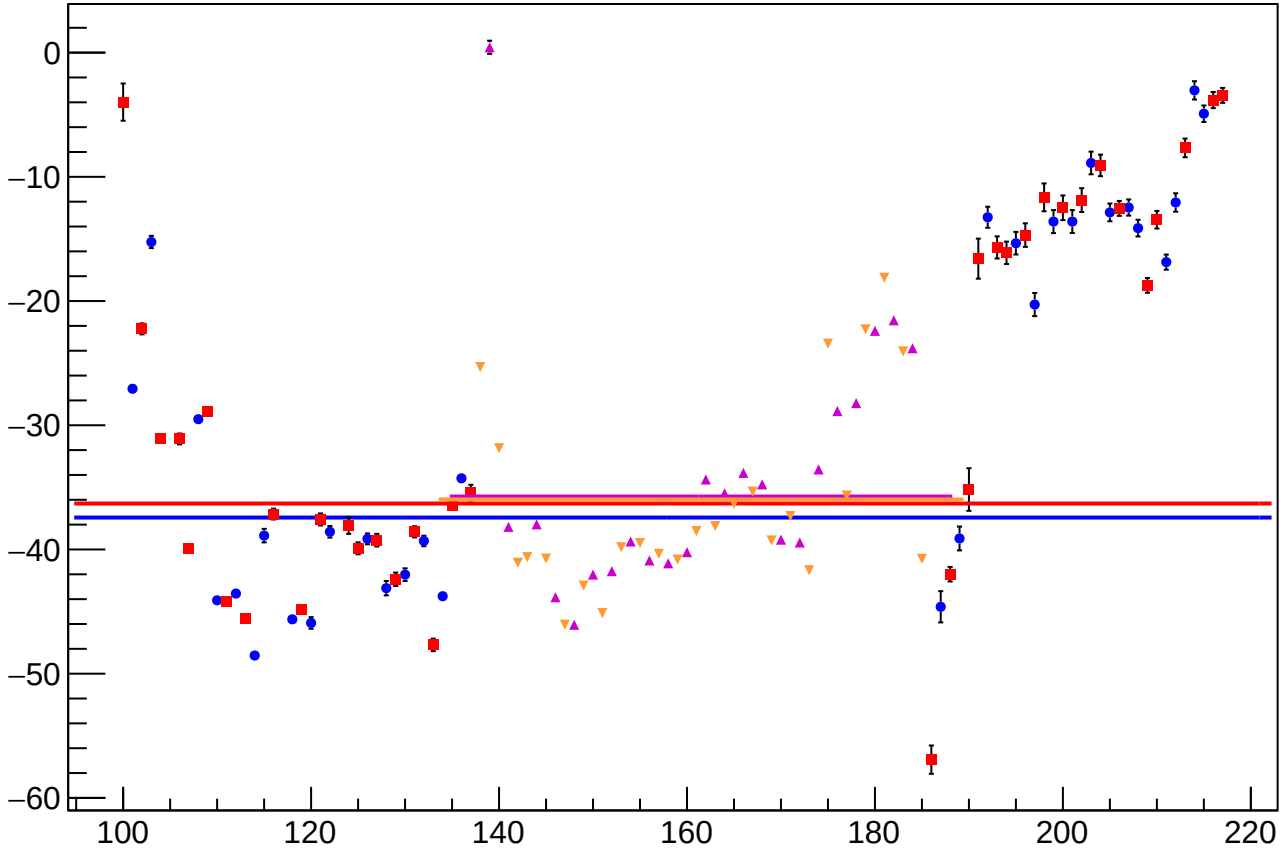
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.283+/-0.038 χ^2/NDF: 182480.7/55

All: 10.800+/-0.025 χ^2/NDF: 364724.9/114

- sign 12.087+/-0.035 χ^2/NDF: 179224.7/58

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -37.429+/-0.072 χ^2/NDF: 24430.6/30

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.299+/-0.067 χ^2/NDF: 26770.8/35

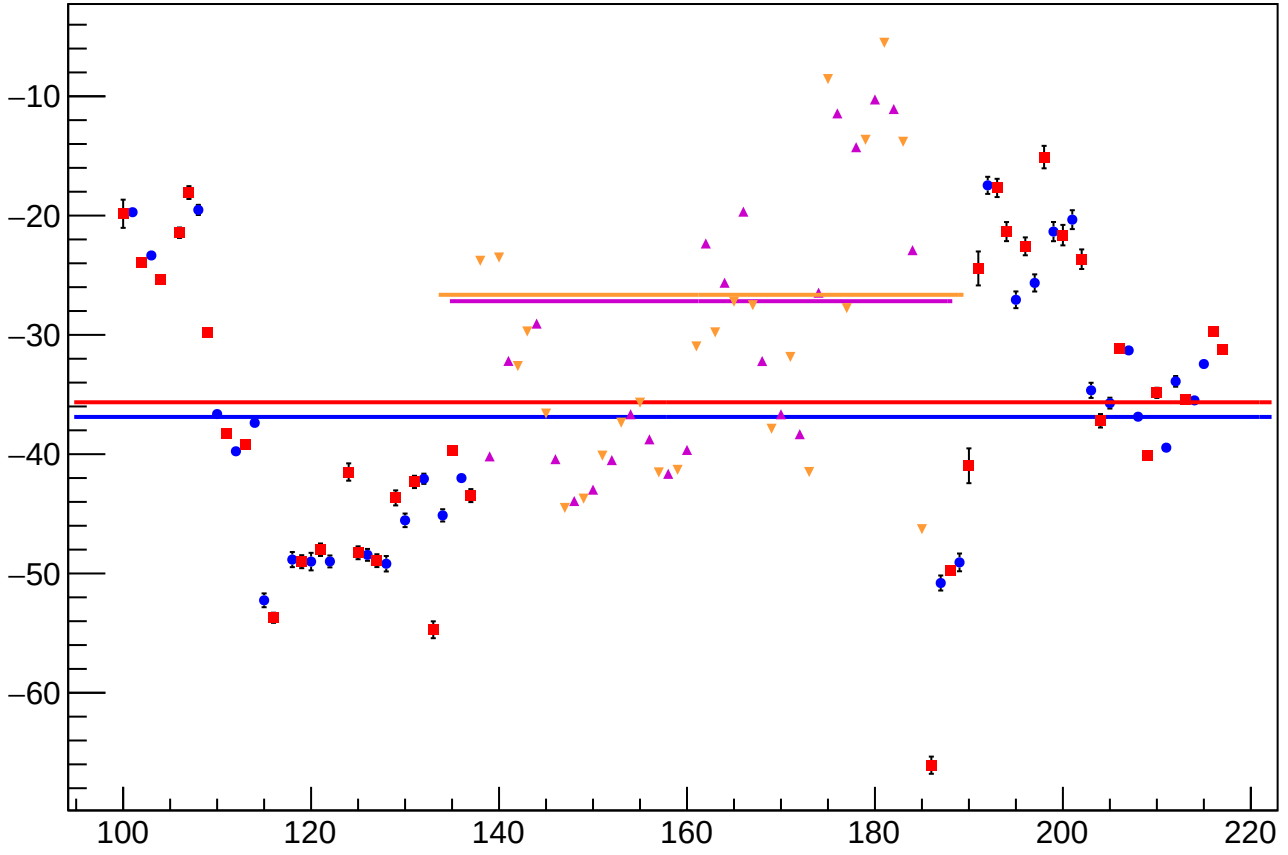
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.351+/-0.037 χ^2/NDF: 58346.3/55

All: -36.137+/-0.026 χ^2/NDF: 112391.4/114

- sign -35.913+/-0.037 χ^2/NDF: 53974.5/58

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.878+/-0.064 χ^2/NDF: 14166.6/30

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.649+/-0.057 χ^2/NDF: 19810.1/35

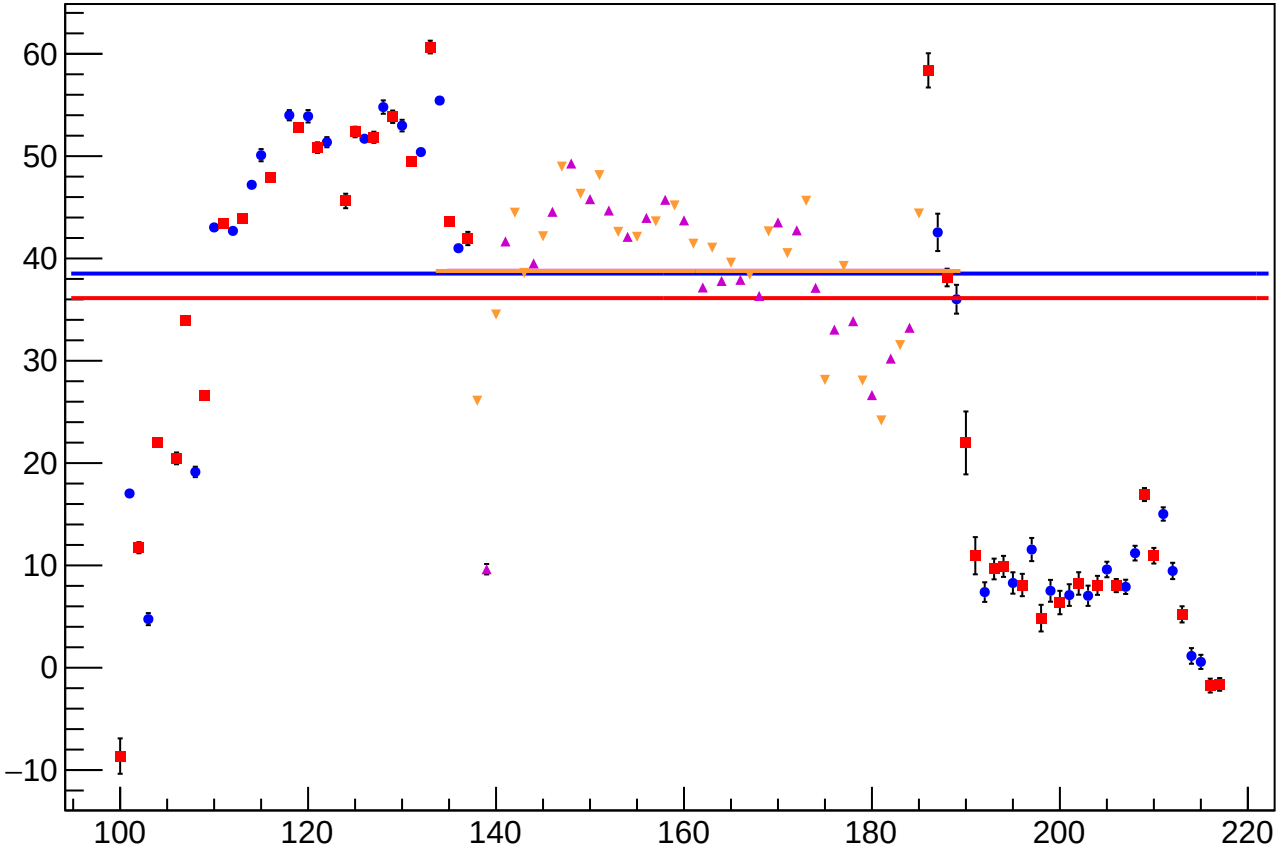
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.961+/-0.041 χ^2/NDF: 79072.0/55

All: -31.203+/-0.029 χ^2/NDF: 150952.4/114

- sign -31.433+/-0.040 χ^2/NDF: 71814.1/58

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 38.523+/-0.080 χ^2/NDF: 35239.2/30

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 36.124+/-0.074 χ^2/NDF: 37337.0/35

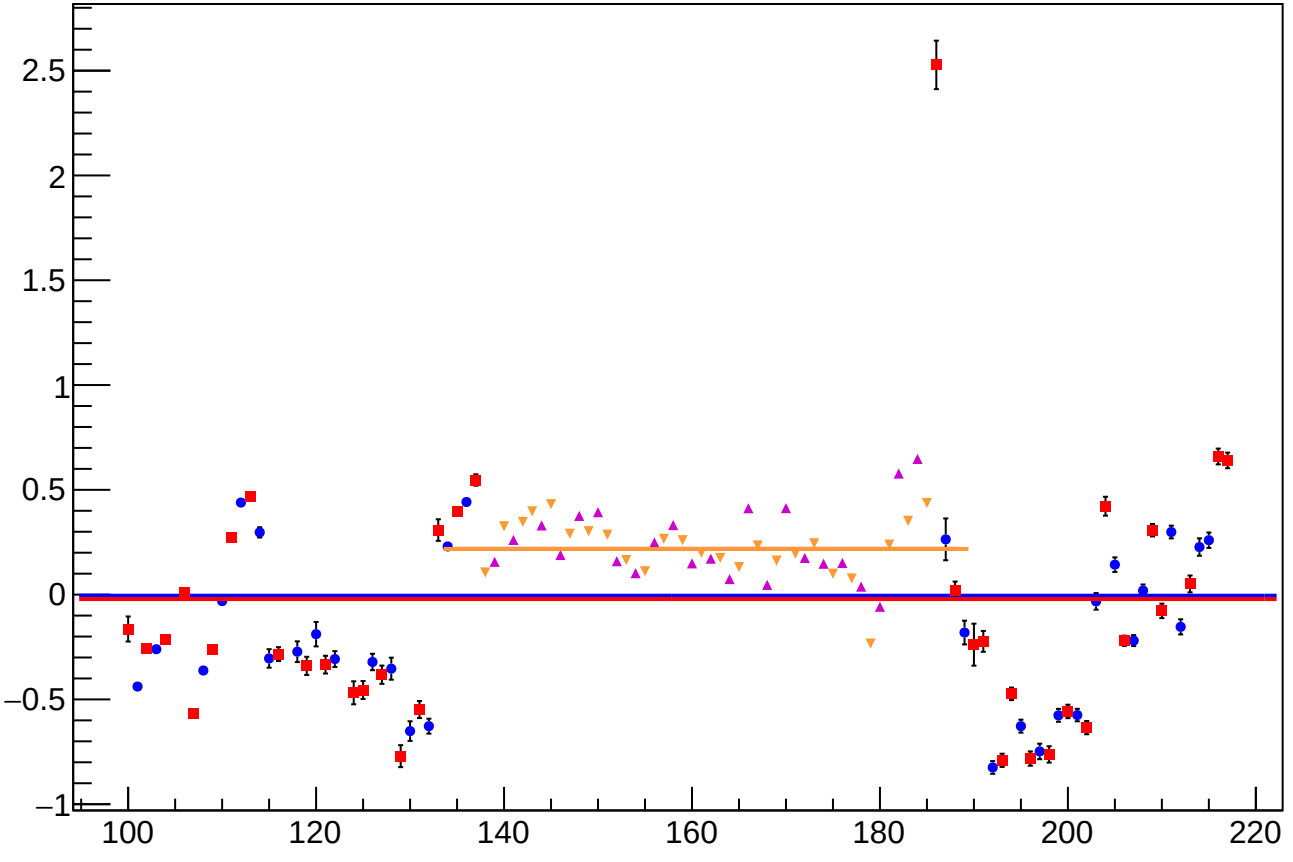
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 38.710+/-0.041 χ^2/NDF: 56317.3/55

All: 38.332+/-0.029 χ^2/NDF: 110965.6/114

\- sign 37.944+/-0.041 χ^2/NDF: 54475.3/58

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.005+/-0.004 χ^2/NDF: 8252.4/30

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.021+/-0.004 χ^2/NDF: 10284.6/35

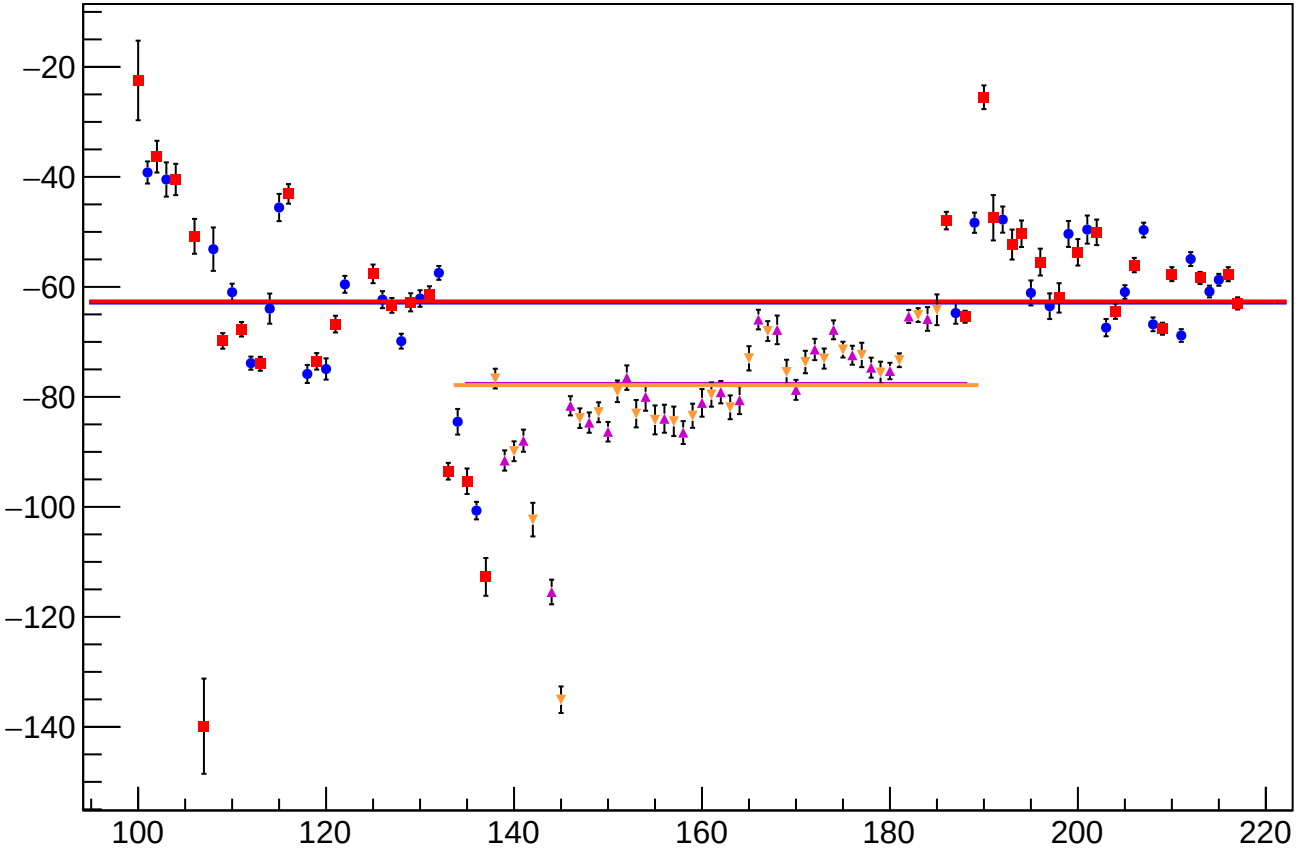
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.172+/-0.002 χ^2/NDF: 14524.1/55

All: 0.166+/-0.001 χ^2/NDF: 32958.9/114

- sign 0.160+/-0.002 χ^2/NDF: 18413.4/58

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.843+/-0.285 χ^2/NDF: 1493.1/30

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.645+/-0.278 χ^2/NDF: 1990.4/34

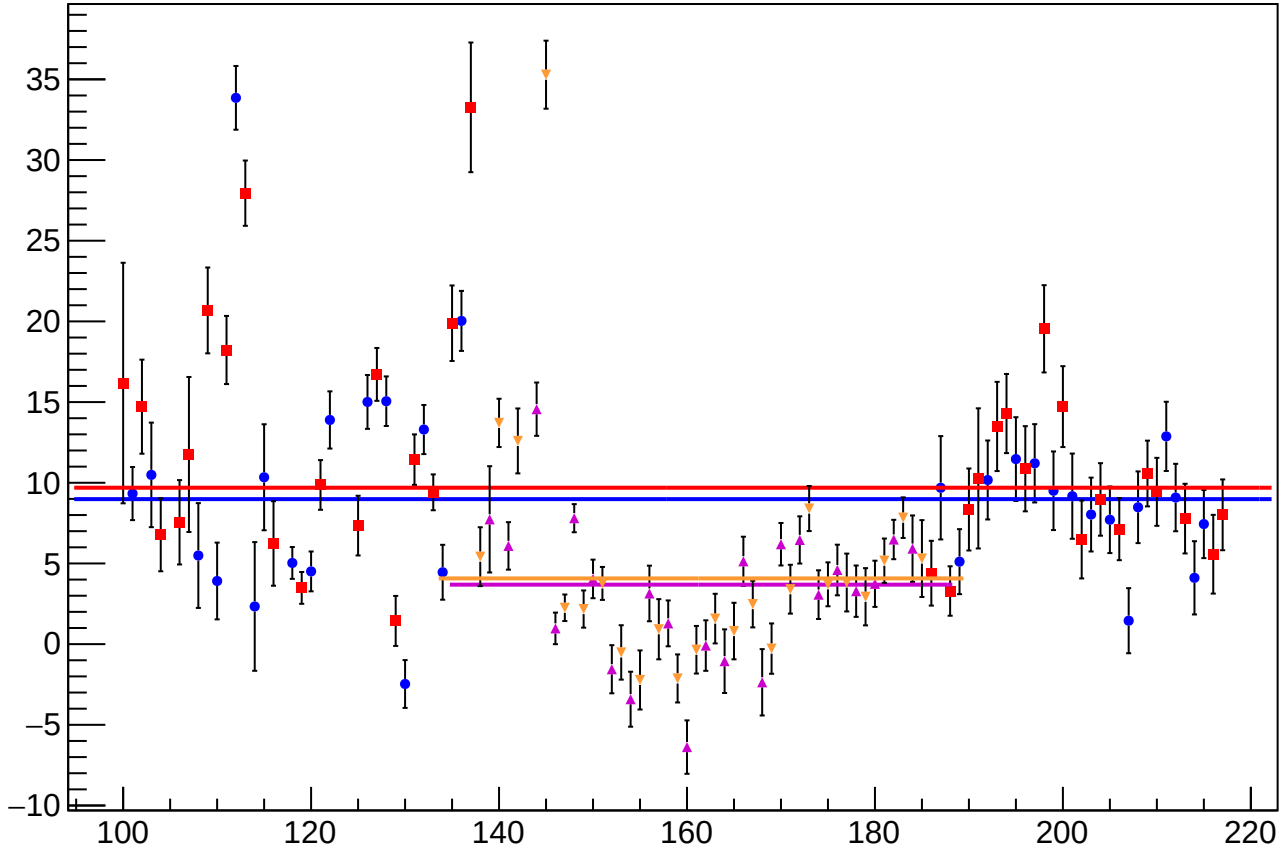
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -68.002+/-0.231 χ^2/NDF: 3379.8/54

All: -67.788+/-0.162 χ^2/NDF: 7025.4/112

- sign -67.580+/-0.227 χ^2/NDF: 3643.9/57

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.986+/-0.346 χ^2/NDF: 372.1/30

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.693+/-0.341 χ^2/NDF: 321.2/34

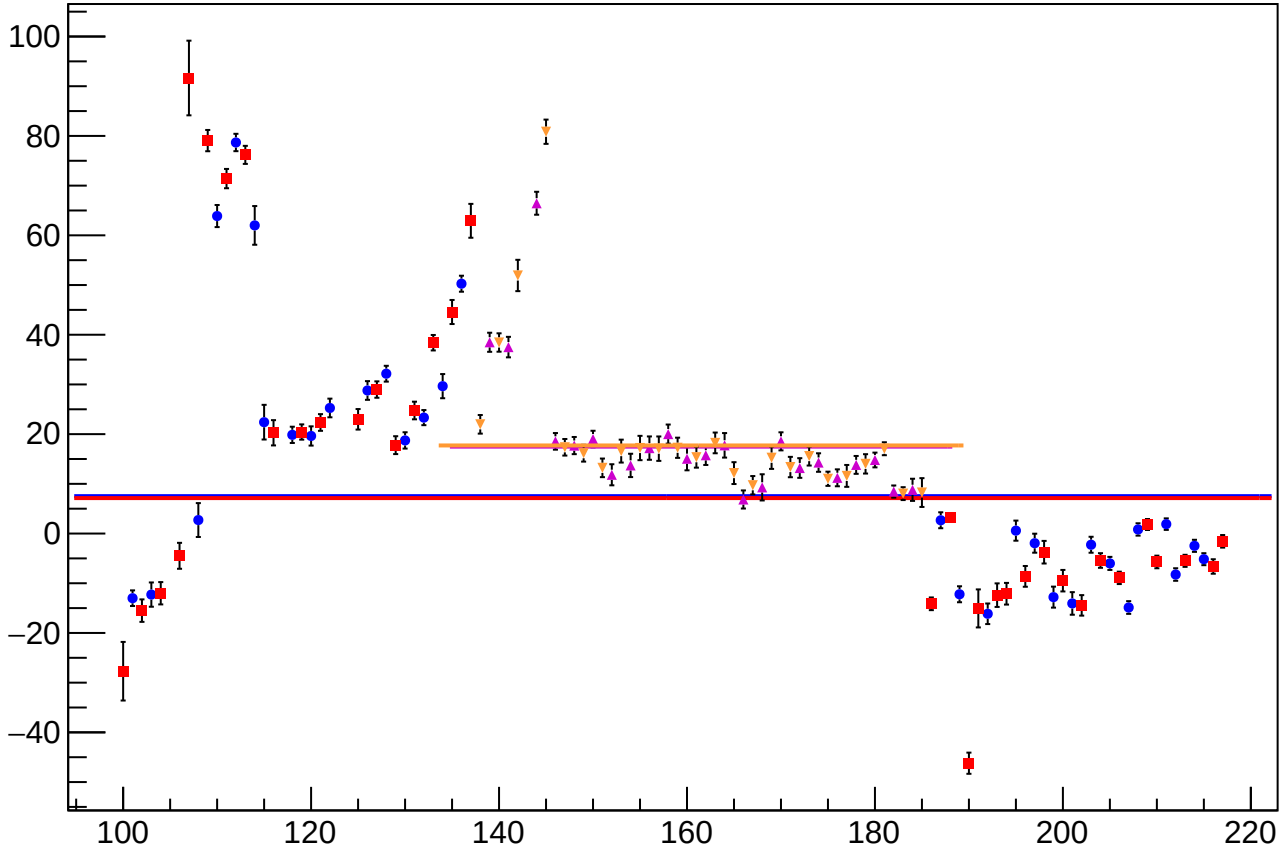
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.153+/-0.225 χ^2/NDF: 858.7/54

All: 6.237+/-0.160 χ^2/NDF: 1536.7/112

- sign 6.321+/-0.226 χ^2/NDF: 677.7/57

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 7.523+/-0.299 χ^2/NDF: 5599.1/30

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 7.134+/-0.289 χ^2/NDF: 7447.4/34

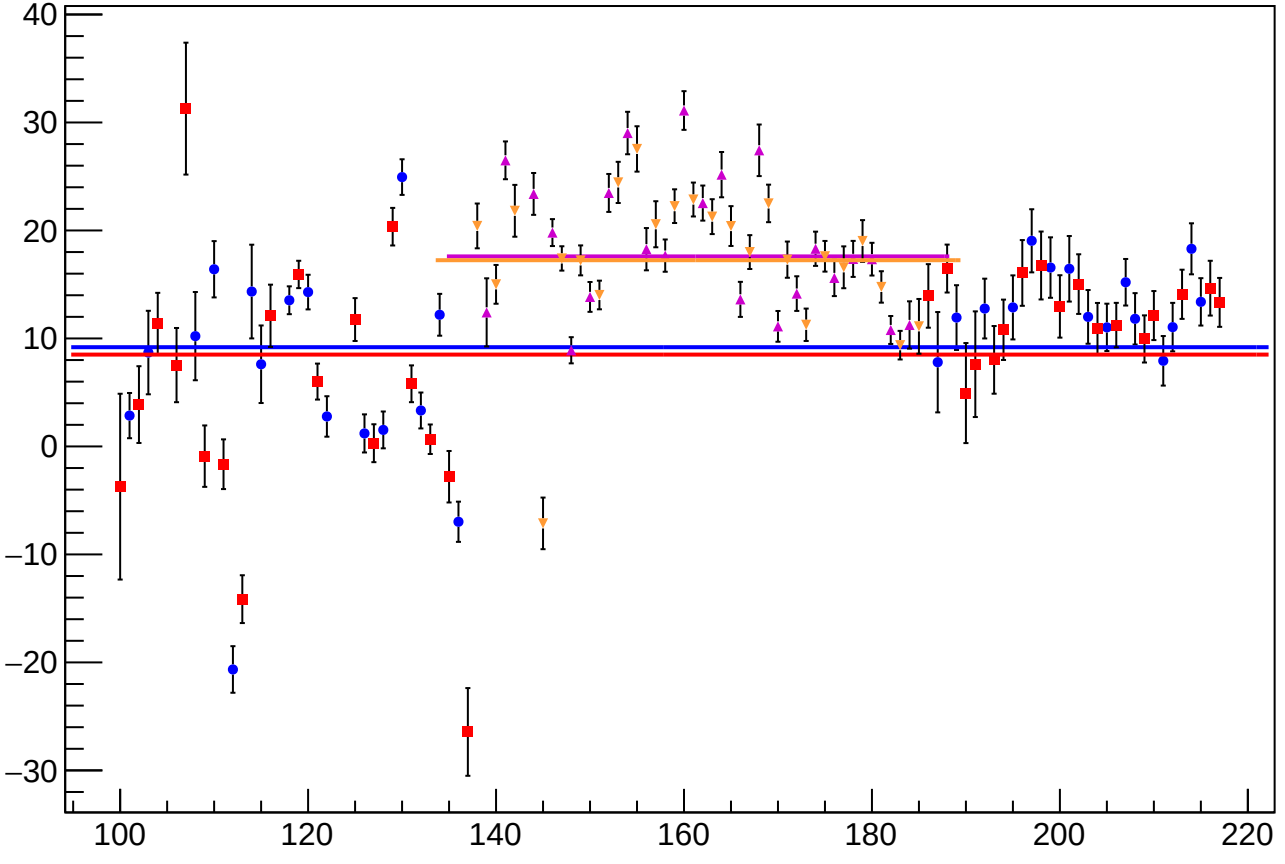
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 11.281+/-0.237 χ^2/NDF: 7087.1/54

All: 11.021+/-0.166 χ^2/NDF: 15808.7/112

- sign 10.772+/-0.233 χ^2/NDF: 8719.3/57

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.190+/-0.396 χ^2/NDF: 523.9/30

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.505+/-0.395 χ^2/NDF: 455.5/34

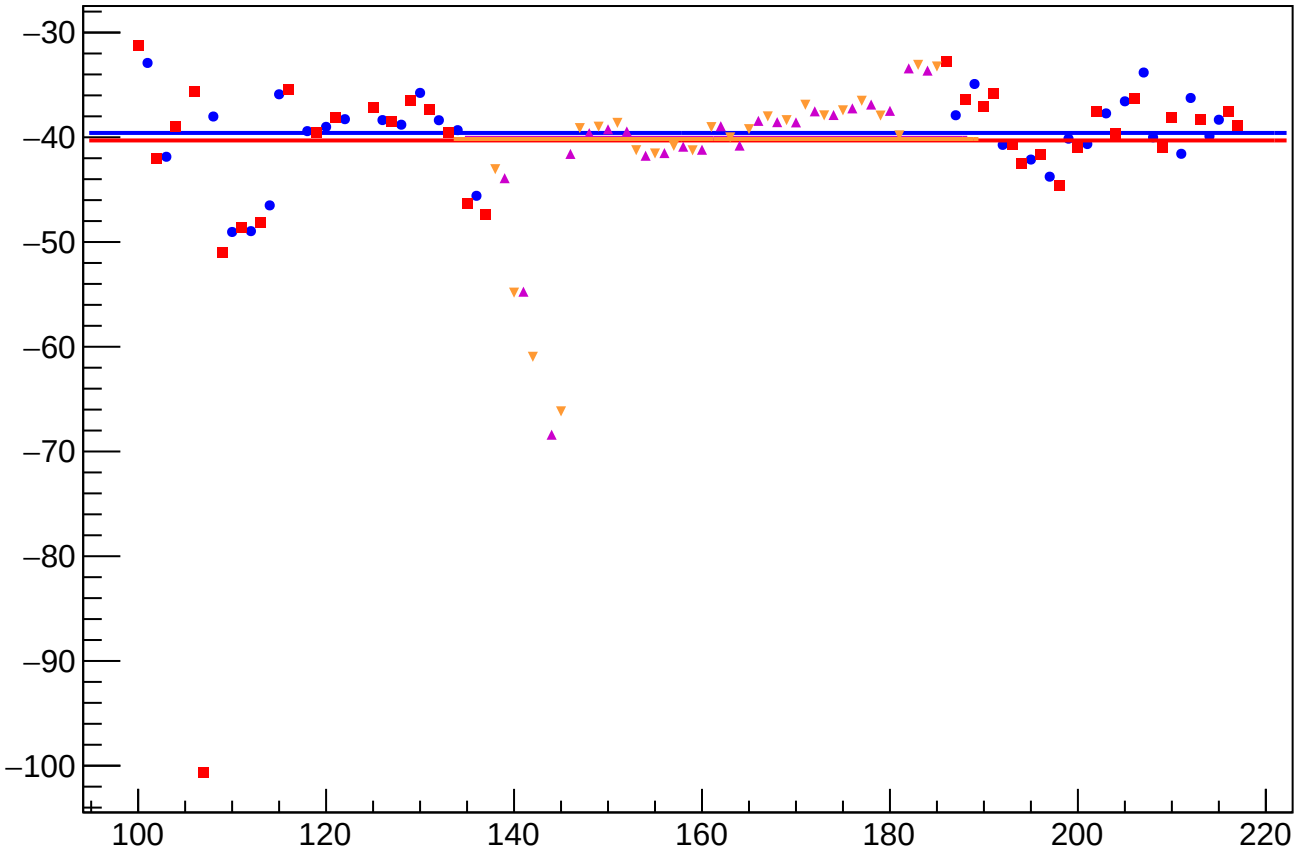
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.853+/-0.257 χ^2/NDF: 1023.8/54

All: 13.773+/-0.182 χ^2/NDF: 2092.2/112

- sign 13.693+/-0.259 χ^2/NDF: 1068.2/57

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.585+/-0.020 χ^2/NDF: 33850.1/30

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.302+/-0.020 χ^2/NDF: 73969.9/34

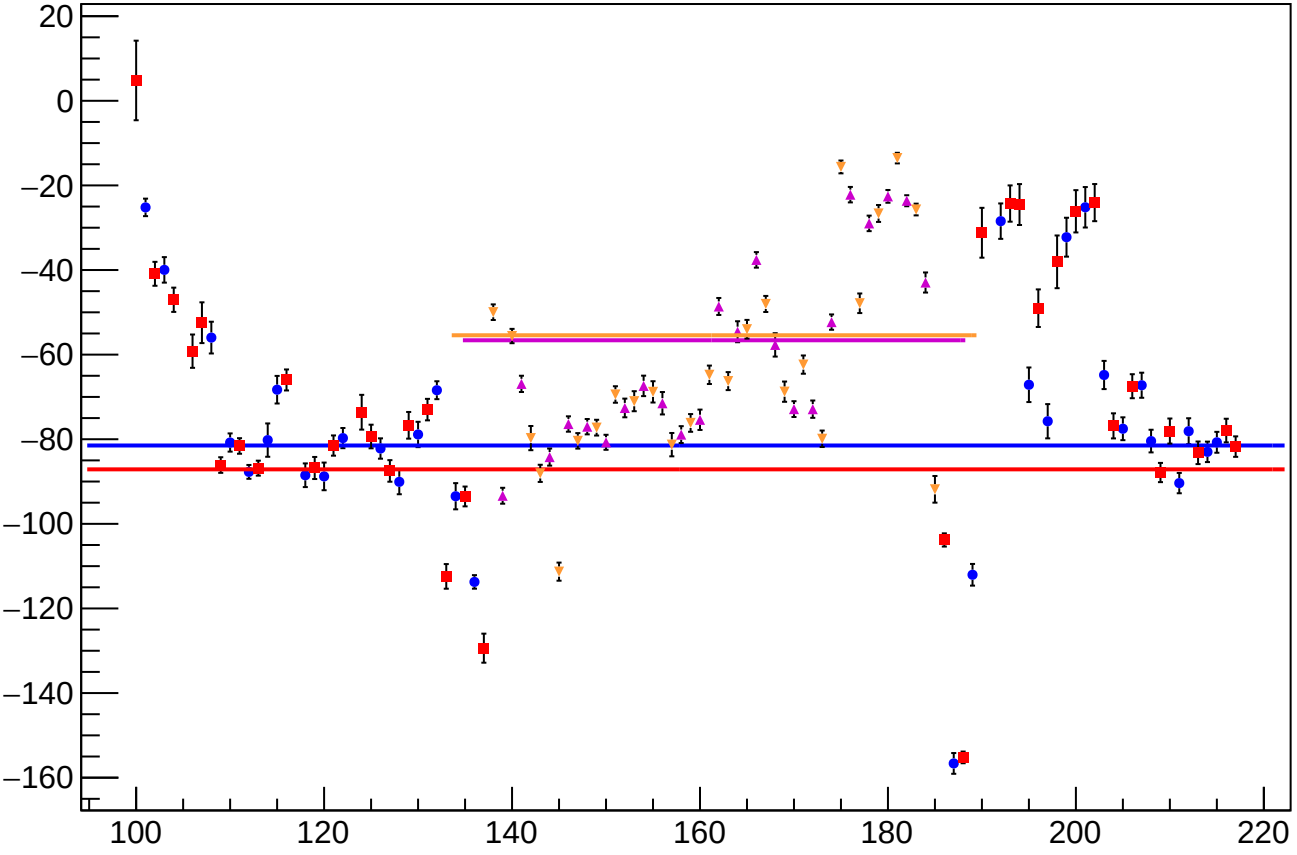
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.946+/-0.012 χ^2/NDF: 197717.8/54

All: -40.046+/-0.009 χ^2/NDF: 408363.7/112

- sign -40.146+/-0.012 χ^2/NDF: 210510.5/57

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.479+/-0.479 χ^2/NDF: 3062.3/30

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.119+/-0.449 χ^2/NDF: 4632.3/34

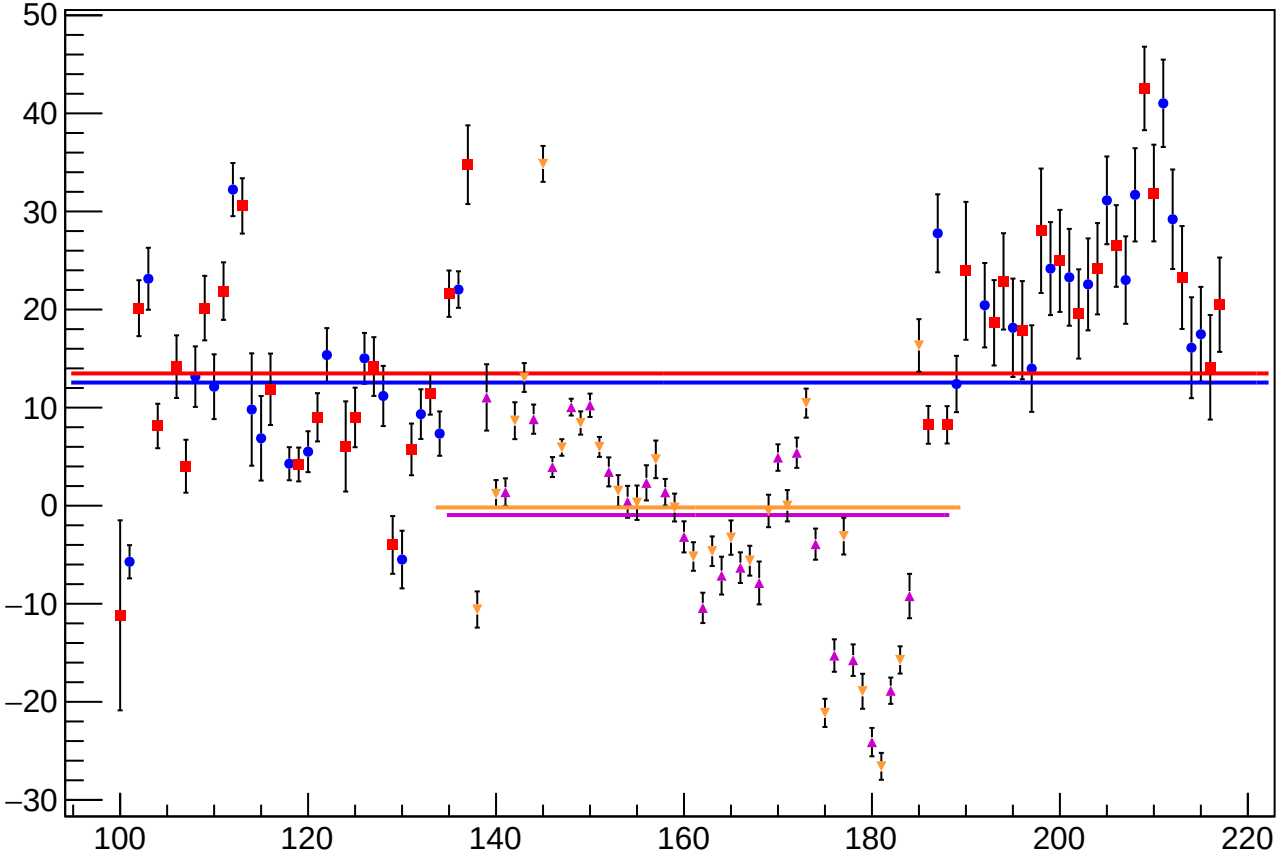
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -65.920+/-0.304 χ^2/NDF: 9355.6/55

All: -68.105+/-0.214 χ^2/NDF: 19991.5/113

- sign -70.239+/-0.300 χ^2/NDF: 10533.7/57

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.555+/-0.545 χ^2/NDF: 417.3/30

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.483+/-0.528 χ^2/NDF: 317.0/34

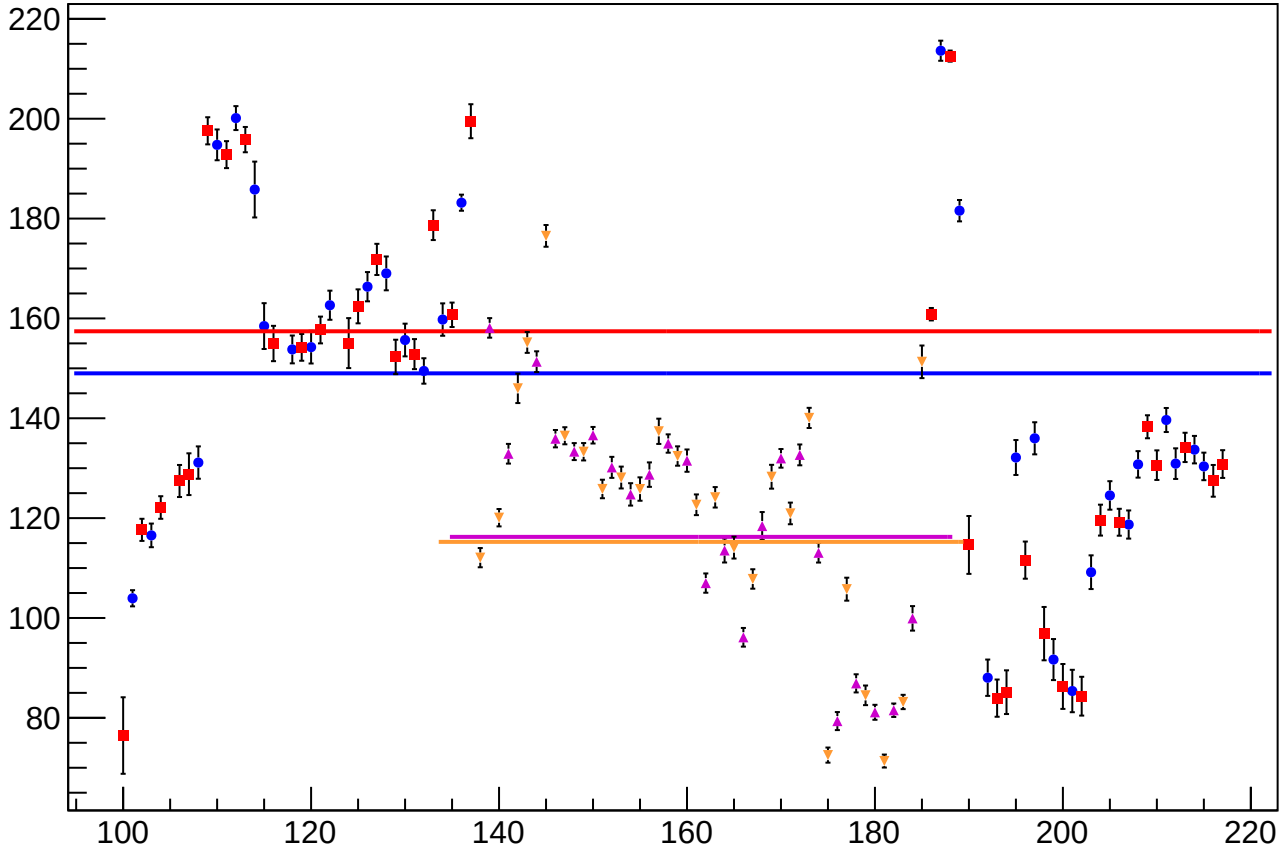
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.693+/-0.259 χ^2/NDF: 2438.6/55

All: 2.670+/-0.185 χ^2/NDF: 4387.0/113

- sign 2.646+/-0.263 χ^2/NDF: 1948.4/57

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 148.998+/-0.492 χ^2/NDF: 4777.9/30

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 157.424+/-0.453 χ^2/NDF: 6483.7/34

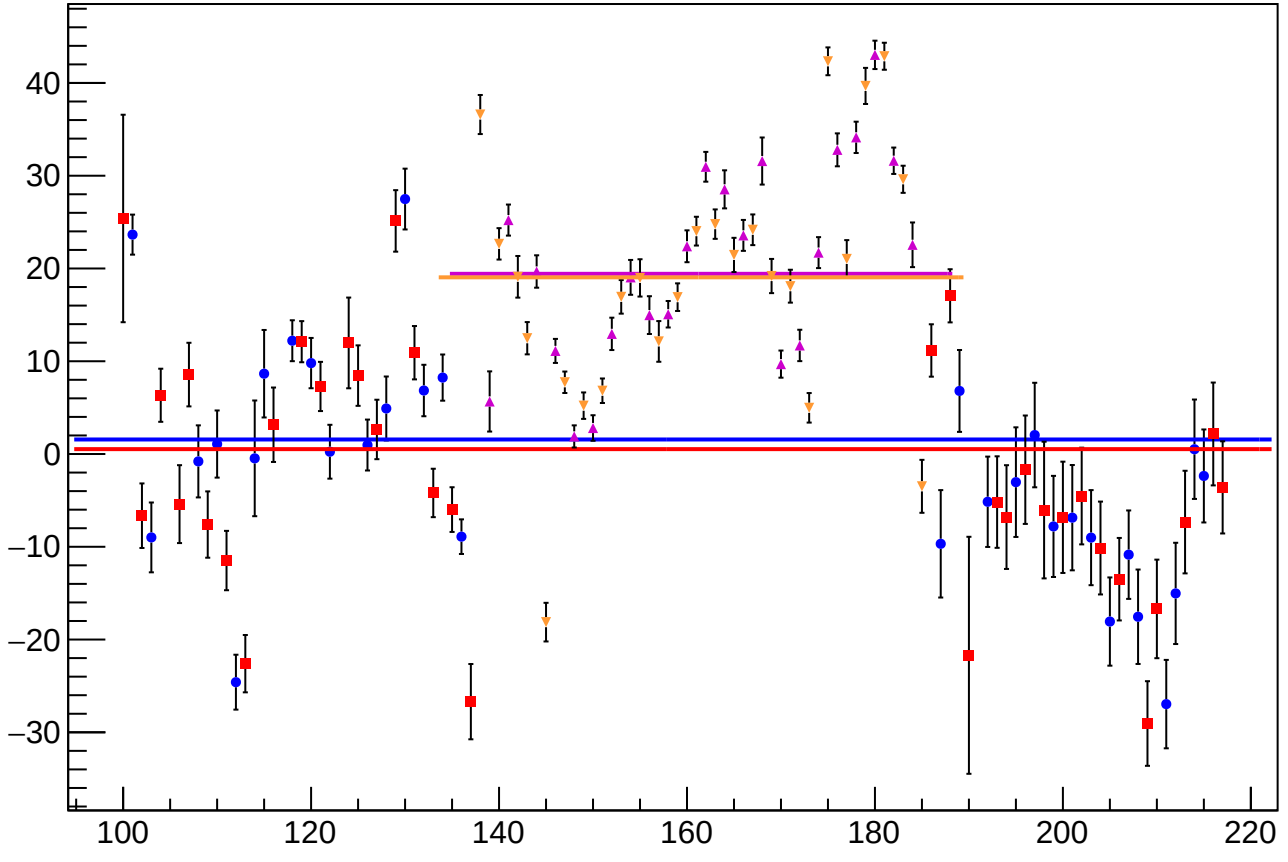
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.295+/-0.306 χ^2/NDF: 12506.0/55

All: 131.322+/-0.214 χ^2/NDF: 27466.7/113

- sign 134.229+/-0.300 χ^2/NDF: 14768.5/57

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.566+/-0.629 χ^2/NDF: 432.9/30

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.526+/-0.622 χ^2/NDF: 392.6/34

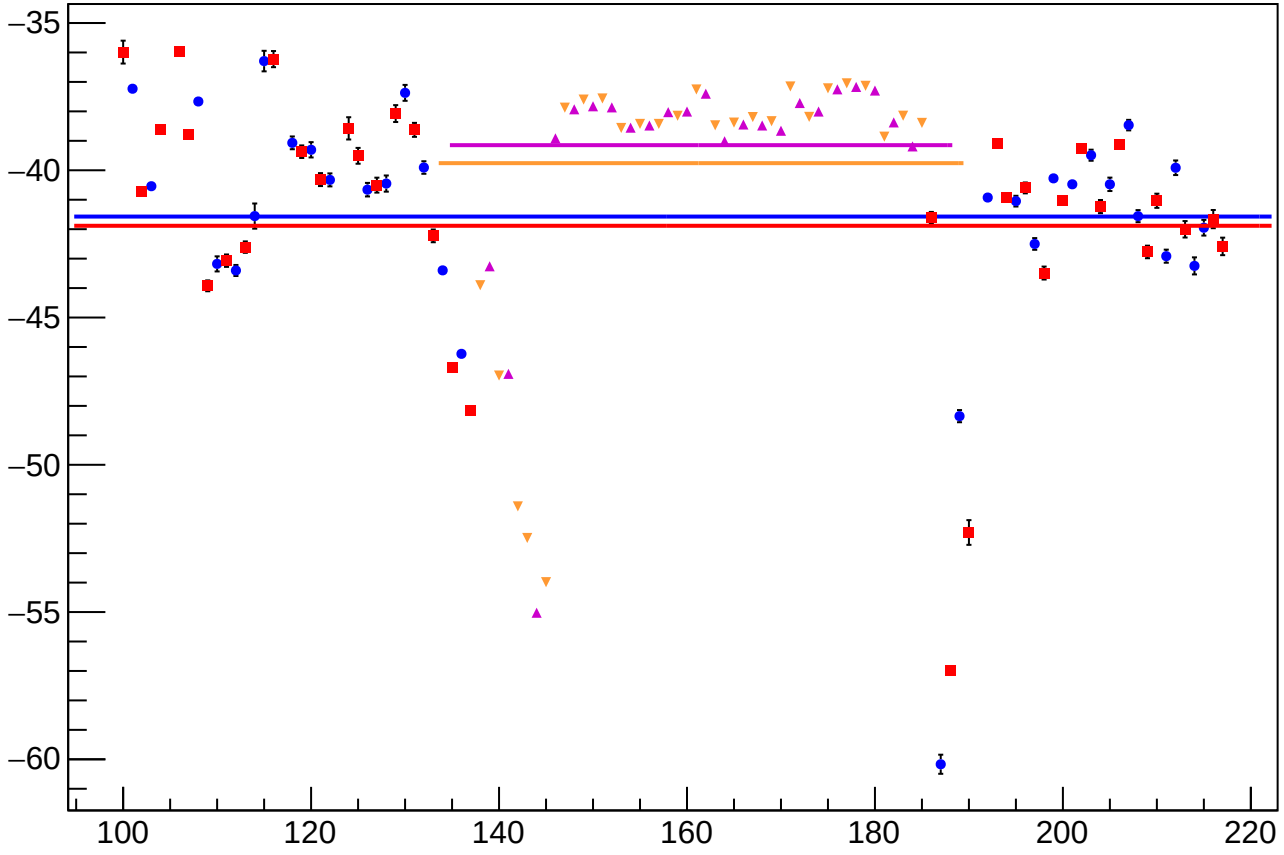
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.164+/-0.296 χ^2/NDF: 2579.3/55

All: 15.065+/-0.212 χ^2/NDF: 4755.0/113

- sign 14.962+/-0.302 χ^2/NDF: 2175.6/57

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.572+/-0.031 χ^2/NDF: 13007.4/30

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.885+/-0.031 χ^2/NDF: 19768.6/34

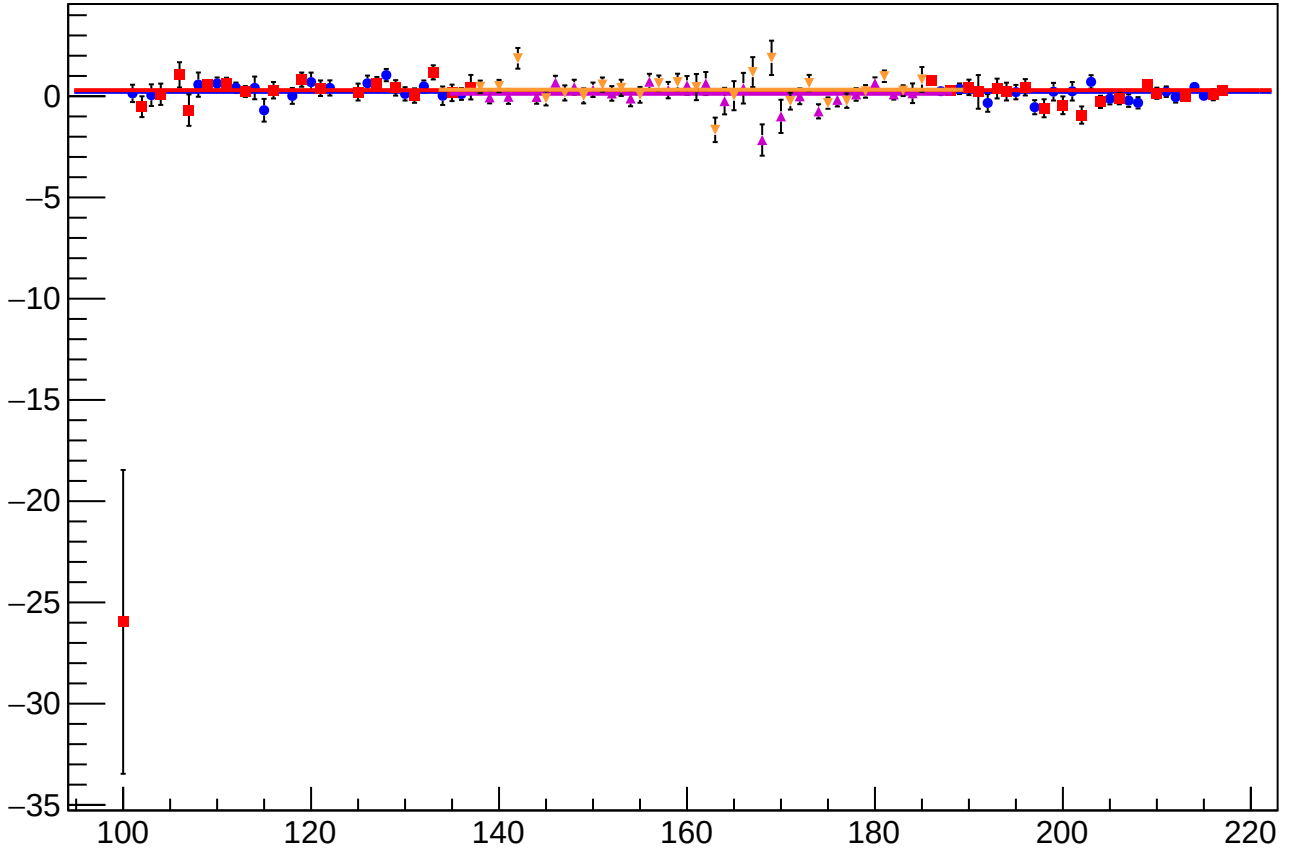
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.125+/-0.014 χ^2/NDF: 97662.9/55

All: -39.917+/-0.010 χ^2/NDF: 171070.0/113

- sign -39.706+/-0.014 χ^2/NDF: 72949.8/57

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.216+/-0.058 χ^2/NDF: 36.1/30

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.299+/-0.053 χ^2/NDF: 64.3/34

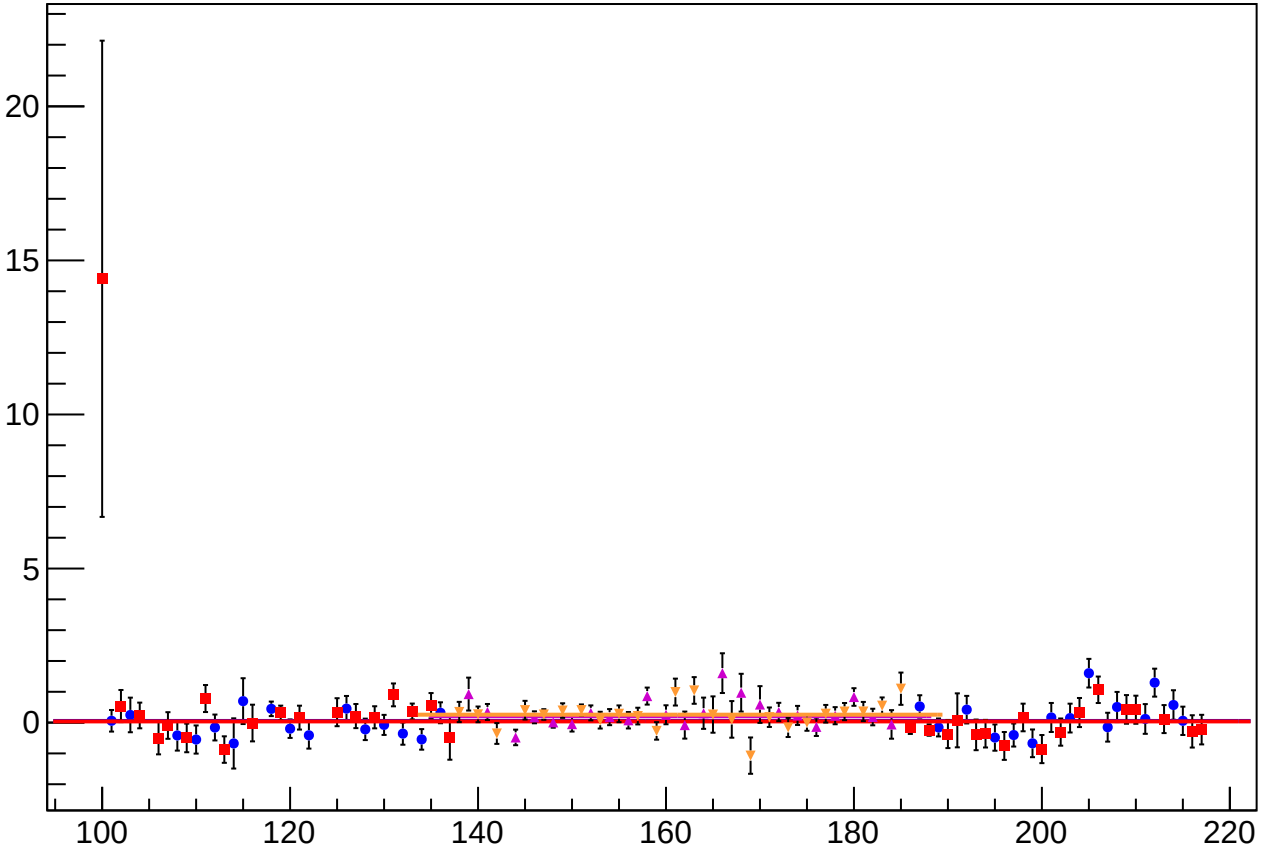
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

\+ sign 0.253+/-0.047 χ^2/NDF: 84.2/54

All: 0.248+/-0.032 χ^2/NDF: 181.9/112

\- sign 0.244+/-0.044 χ^2/NDF: 97.7/57

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-0.072 χ^2/NDF: 45.6/30

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.039+/-0.066 χ^2/NDF: 47.2/34

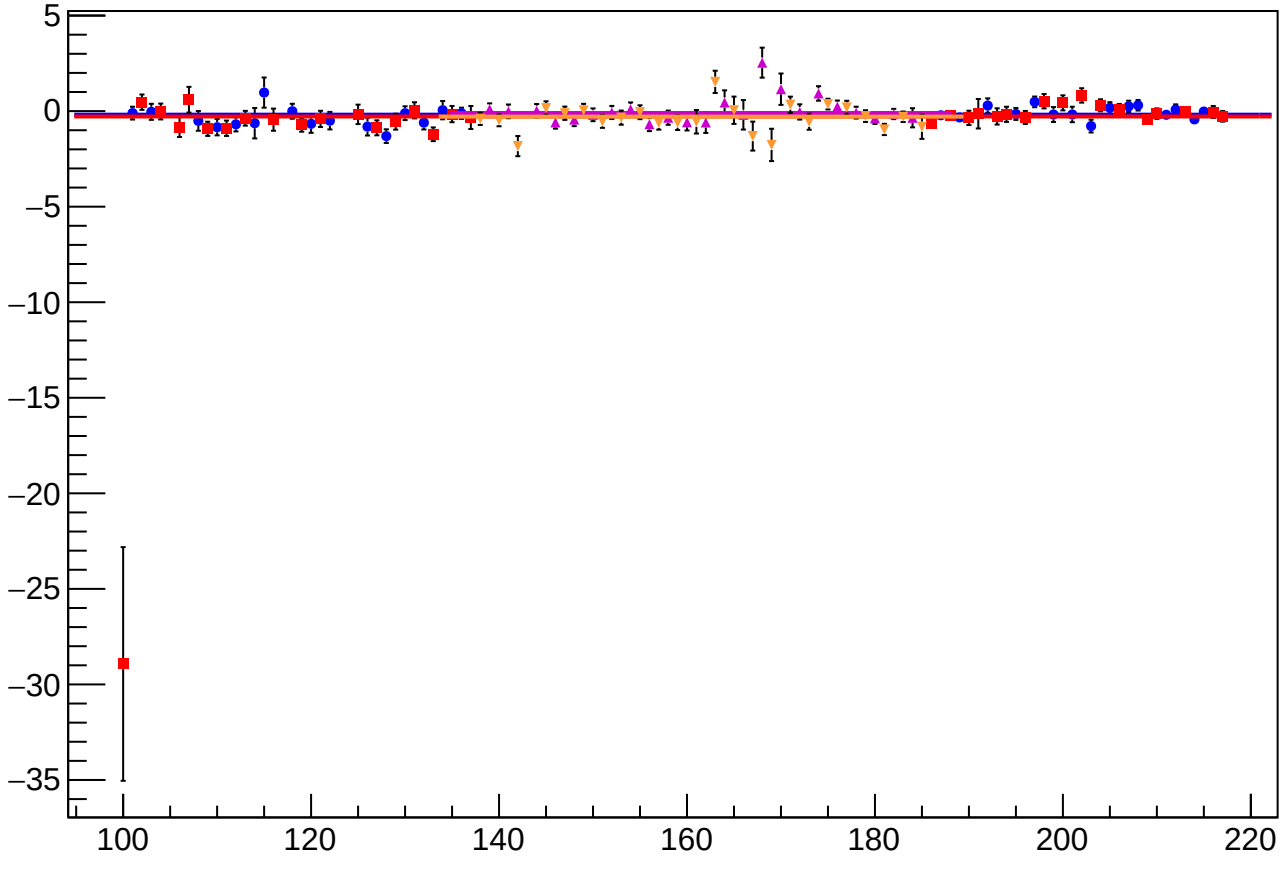
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.174+/-0.046 χ^2/NDF: 76.9/54

All: 0.152+/-0.032 χ^2/NDF: 160.0/112

- sign 0.130+/-0.045 χ^2/NDF: 82.6/57

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.185+/-0.059 χ^2/NDF: 42.3/30

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.280+/-0.051 χ^2/NDF: 77.4/34

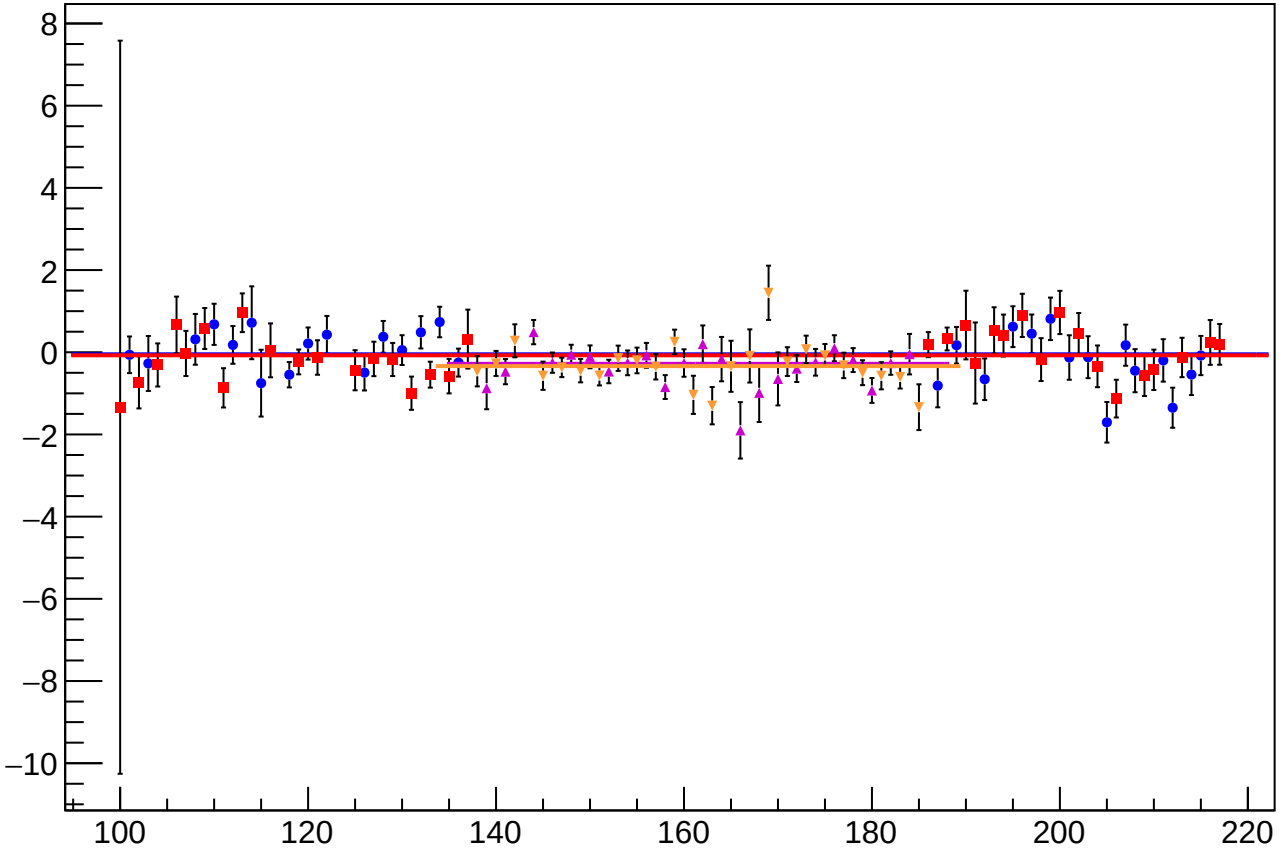
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.222+/-0.047 χ^2/NDF: 88.5/54

All: -0.224+/-0.032 χ^2/NDF: 202.8/112

- sign -0.226+/-0.043 χ^2/NDF: 114.3/57

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.050+/-0.083 χ^2/NDF: 47.2/30

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.074+/-0.079 χ^2/NDF: 43.7/34

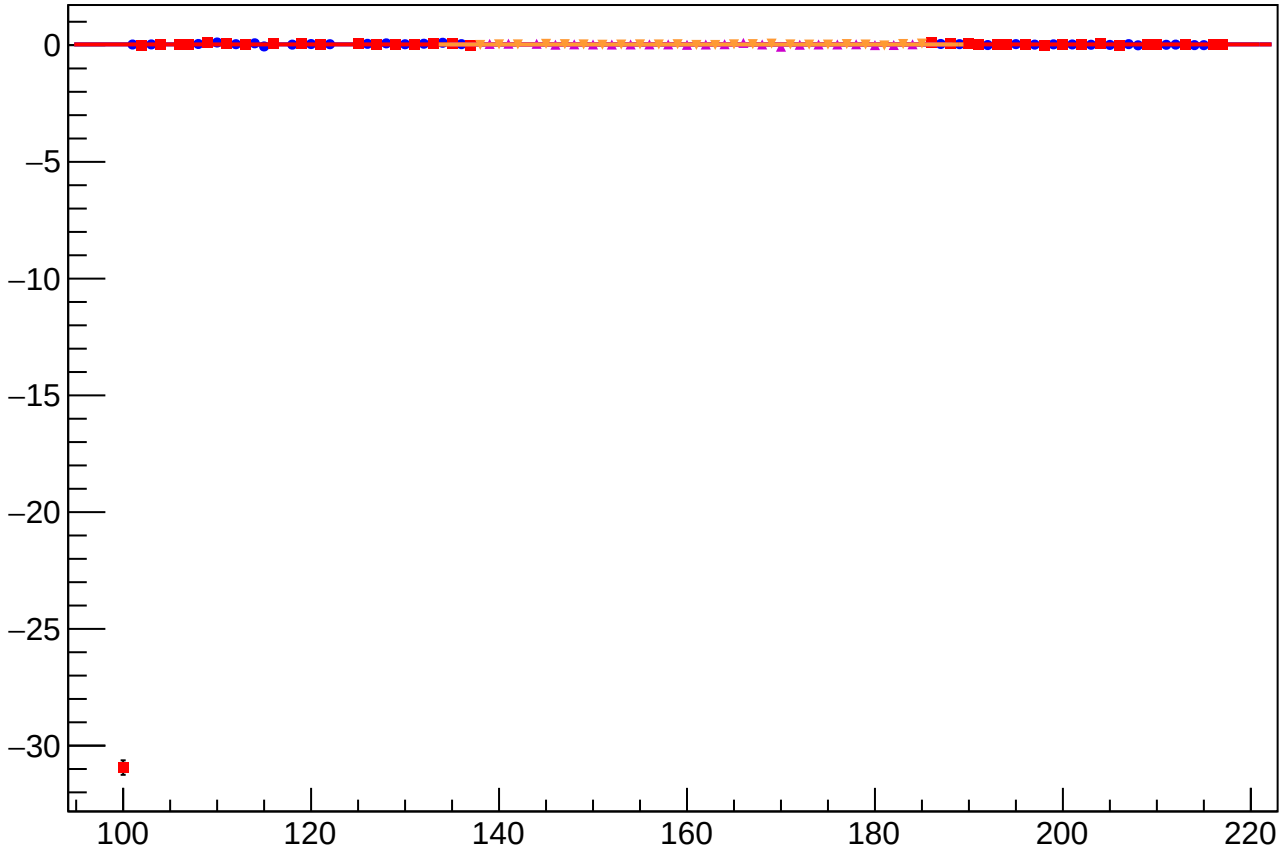
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.221+/-0.053 χ^2/NDF: 84.5/54

All: -0.207+/-0.037 χ^2/NDF: 161.3/112

- sign -0.192+/-0.052 χ^2/NDF: 76.6/57

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.033+/-0.004 χ^2/NDF: 40.6/30

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10056.0/34

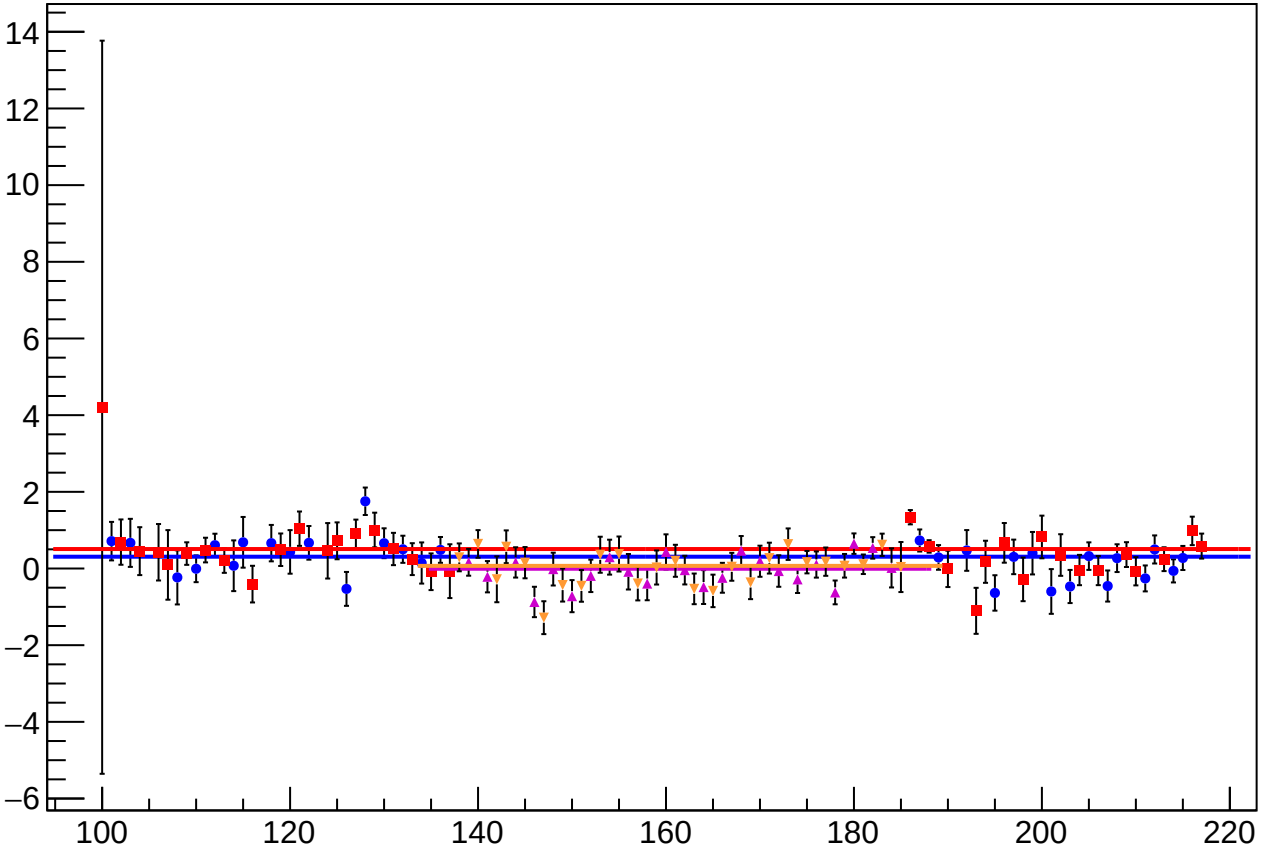
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 69.0/54

All: 0.030+/-0.002 χ^2/NDF: 10163.9/112

- sign 0.030+/-0.002 χ^2/NDF: 10094.9/57

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.308+/-0.073 χ^2/NDF: 46.8/30

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.508+/-0.065 χ^2/NDF: 52.0/34

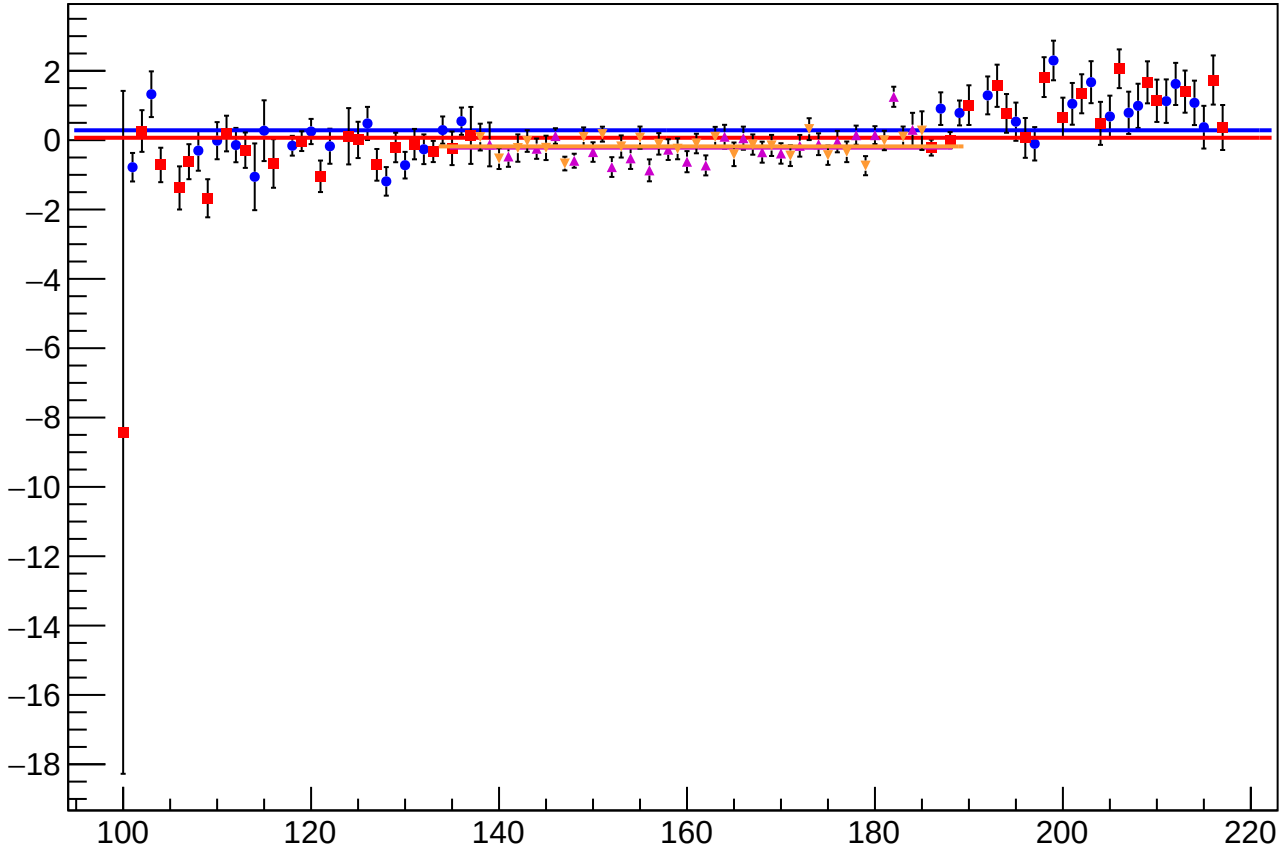
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.196+/-0.053 χ^2/NDF: 83.0/55

All: 0.252+/-0.036 χ^2/NDF: 190.9/113

- sign 0.303+/-0.050 χ^2/NDF: 105.7/57

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.285+/-0.088 χ^2/NDF: 76.2/30

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.069+/-0.080 χ^2/NDF: 95.1/34

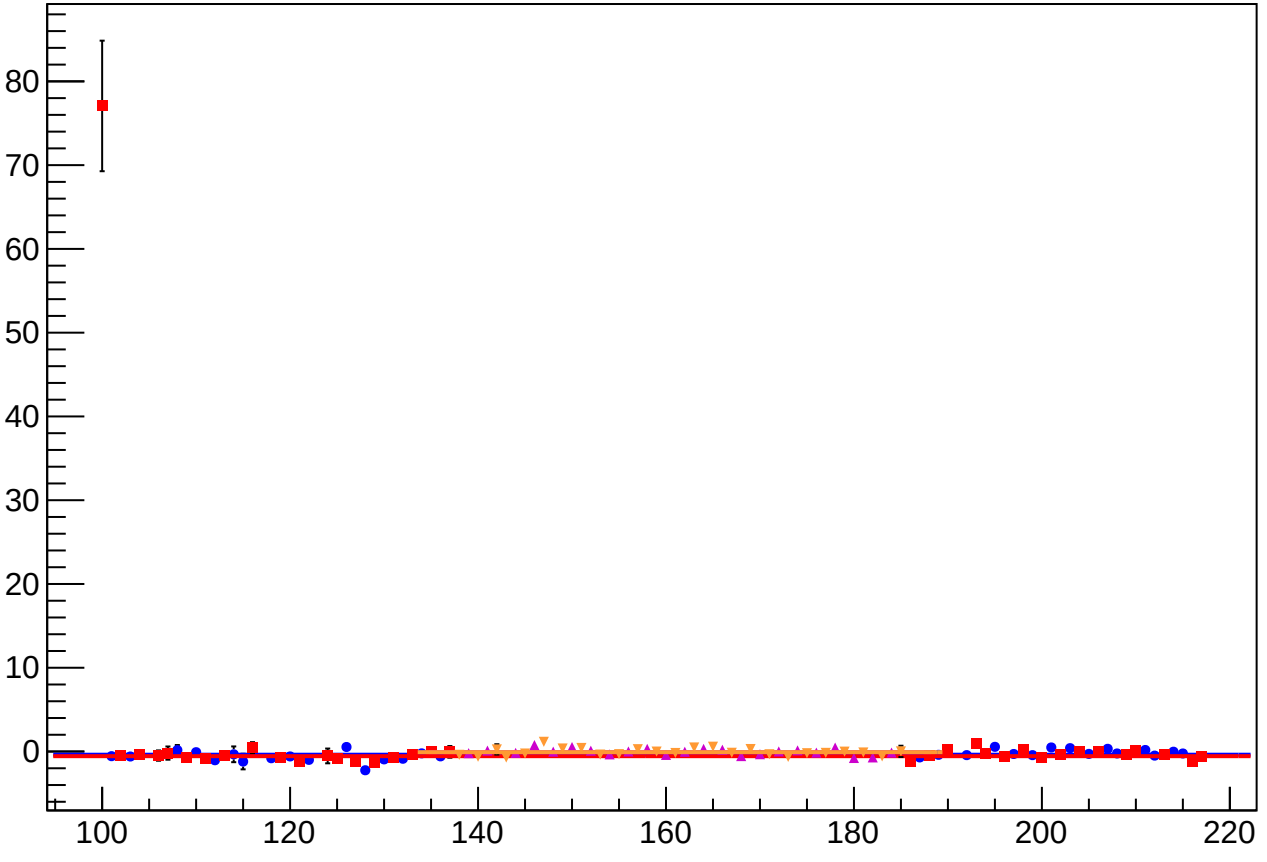
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

\+ sign -0.034+/-0.049 χ^2/NDF: 120.3/55

All: -0.072+/-0.035 χ^2/NDF: 278.2/113

\- sign -0.109+/-0.049 χ^2/NDF: 156.7/57

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.382+/-0.074 χ^2/NDF: 53.4/30

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.556+/-0.063 χ^2/NDF: 151.5/34

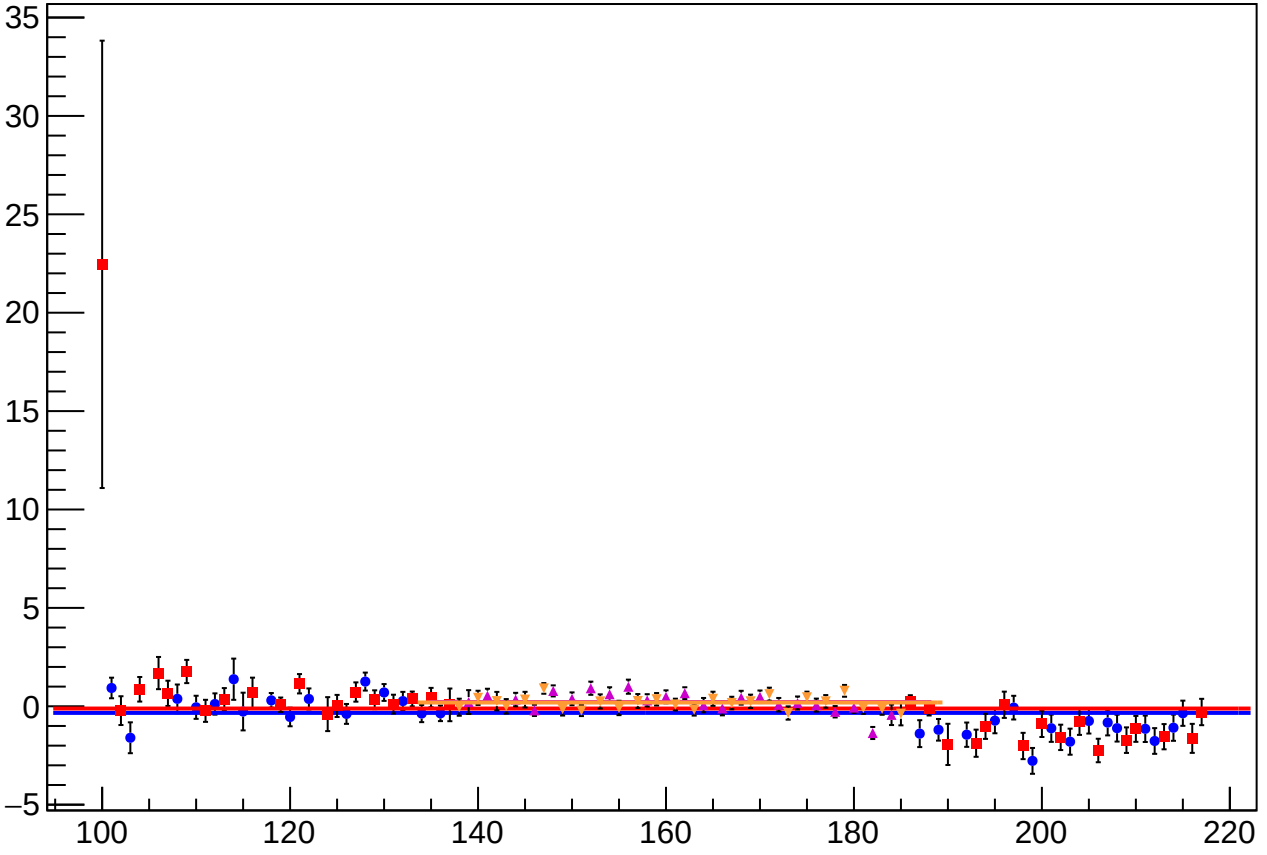
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.236+/-0.053 χ^2/NDF: 91.6/55

All: -0.307+/-0.036 χ^2/NDF: 297.6/113

- sign -0.369+/-0.049 χ^2/NDF: 202.6/57

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.336+/-0.101 χ^2/NDF: 75.9/30

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.114+/-0.096 χ^2/NDF: 97.7/34

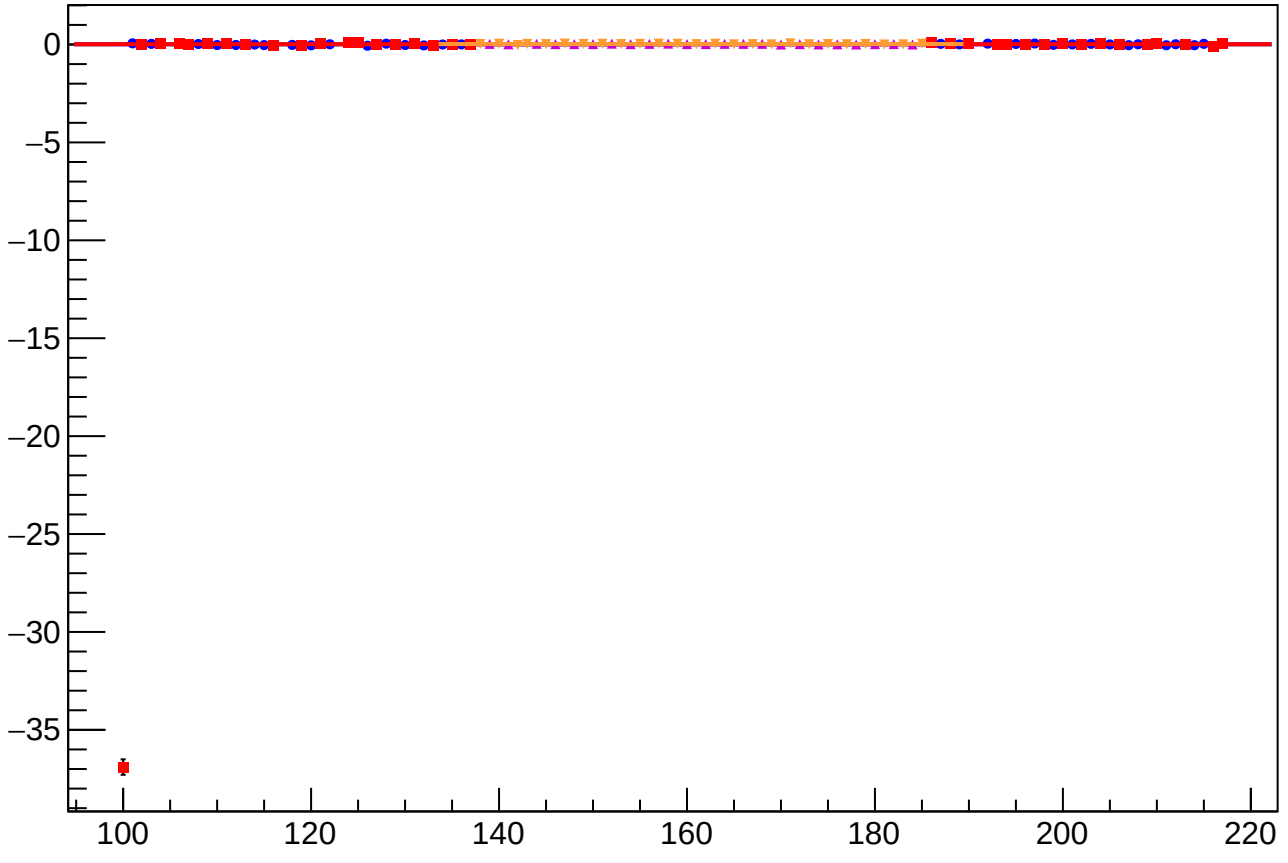
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.033+/-0.056 χ^2/NDF: 120.7/55

All: 0.067+/-0.040 χ^2/NDF: 282.1/113

- sign 0.102+/-0.056 χ^2/NDF: 160.6/57

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010+/-0.005 χ^2/NDF: 36.8/30

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.013+/-0.005 χ^2/NDF: 8793.8/34

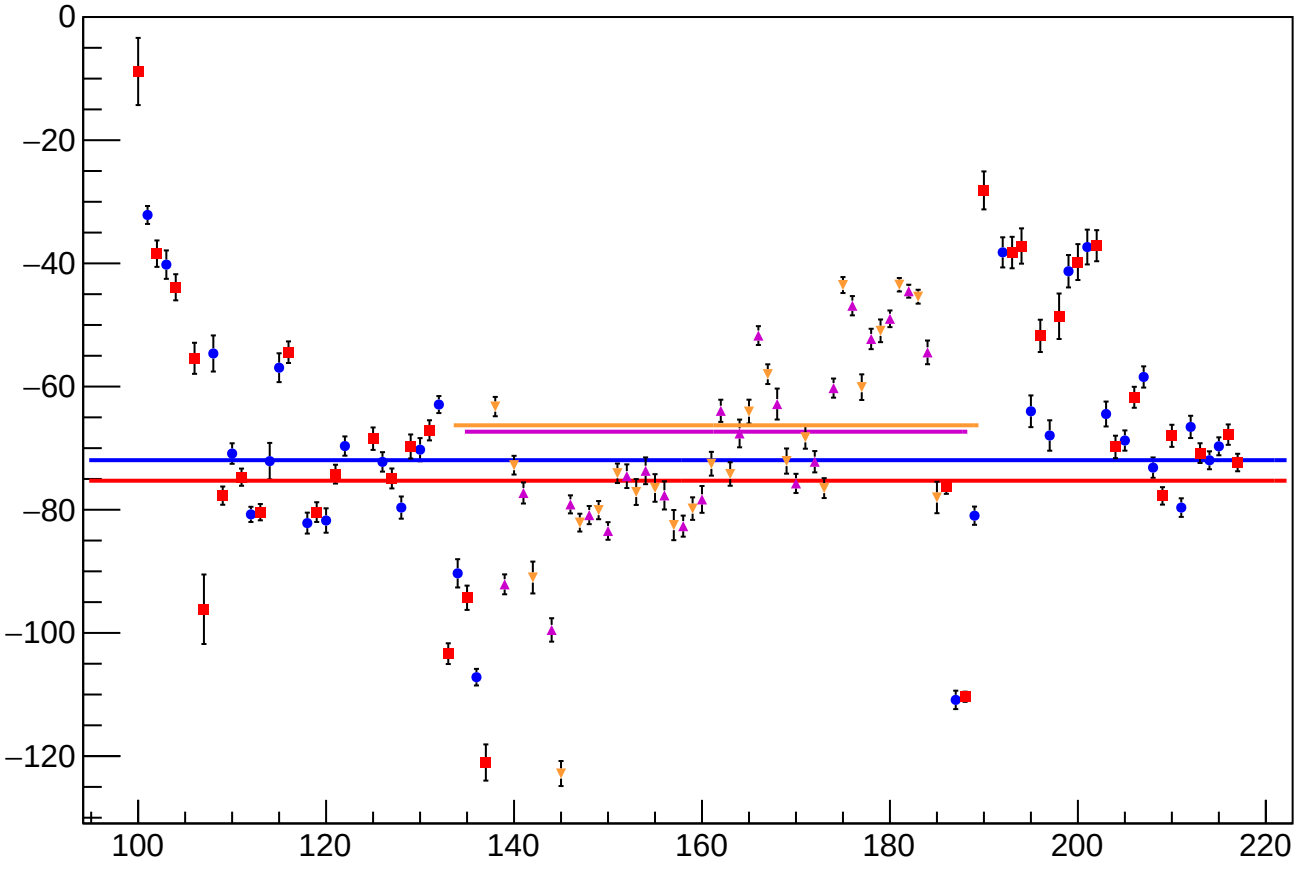
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 73.7/55

All: 0.020+/-0.002 χ^2/NDF: 8889.3/113

- sign 0.021+/-0.003 χ^2/NDF: 8815.6/57

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.952+/-0.316 χ^2/NDF: 3256.1/30

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.286+/-0.298 χ^2/NDF: 4621.6/33

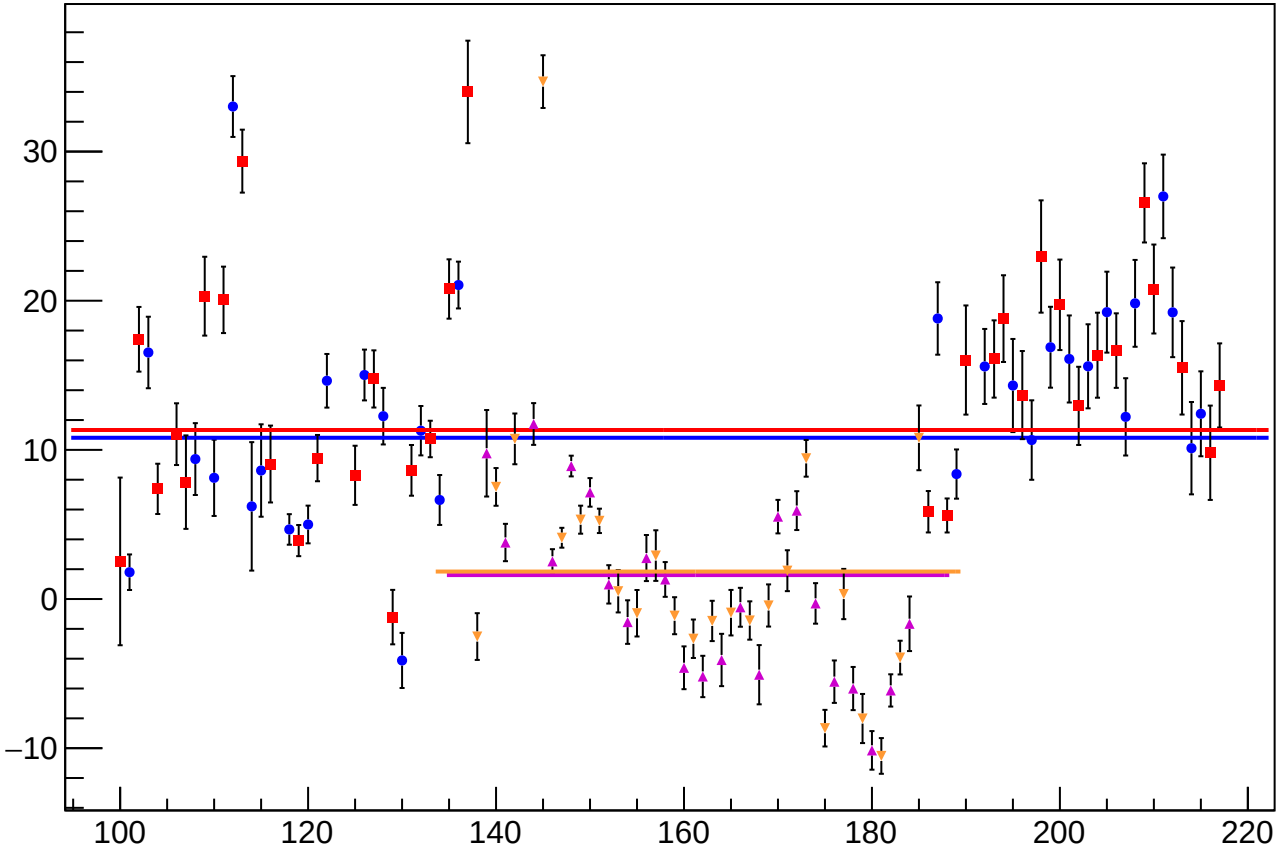
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.359+/-0.233 χ^2/NDF: 5953.6/54

All: -70.659+/-0.162 χ^2/NDF: 13042.5/111

- sign -71.883+/-0.226 χ^2/NDF: 7028.3/56

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.812+/-0.360 χ^2/NDF: 457.3/30

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.332+/-0.351 χ^2/NDF: 415.6/33

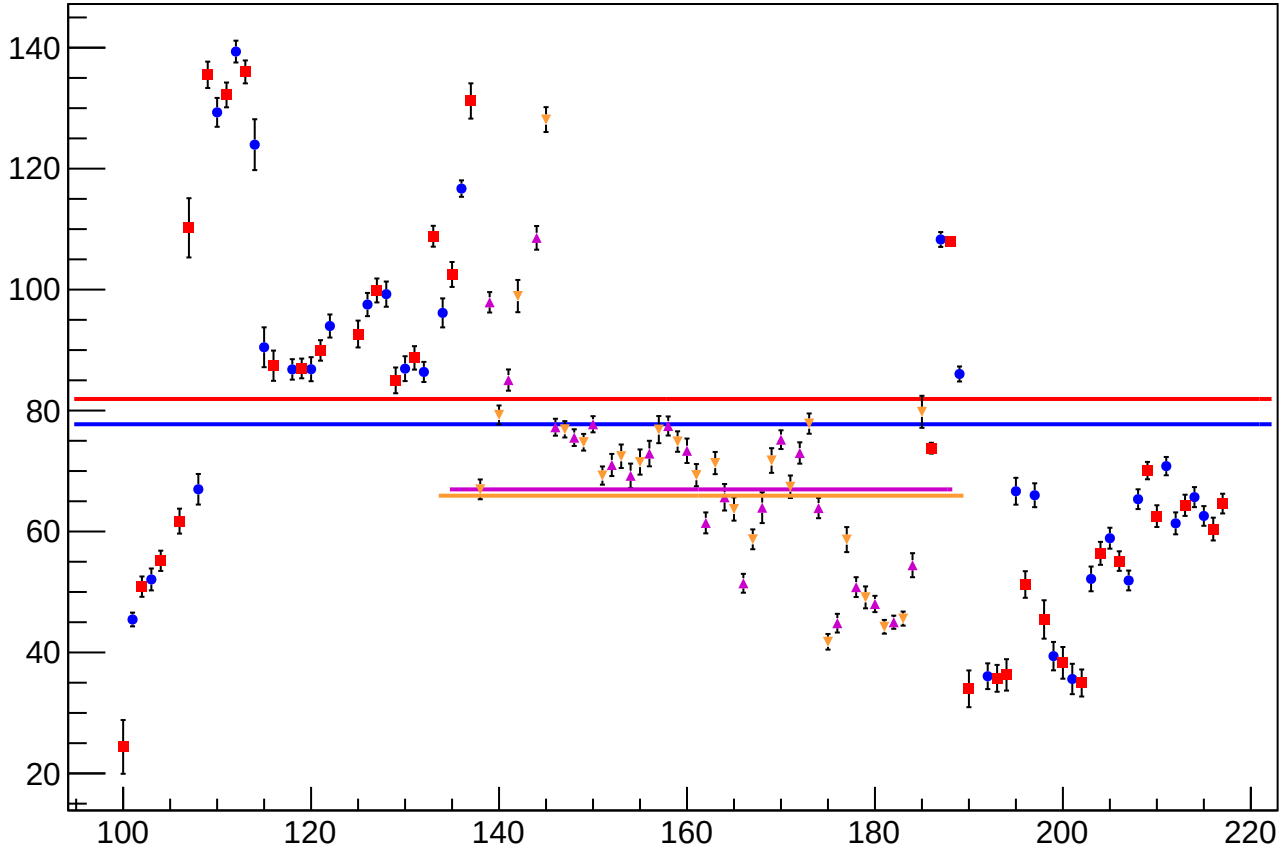
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.831+/-0.208 χ^2/NDF: 1653.0/54

All: 4.925+/-0.147 χ^2/NDF: 3062.8/111

- sign 5.018+/-0.208 χ^2/NDF: 1409.4/56

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 77.735+/-0.321 χ^2/NDF: 6529.8/30

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.915+/-0.297 χ^2/NDF: 8330.8/33

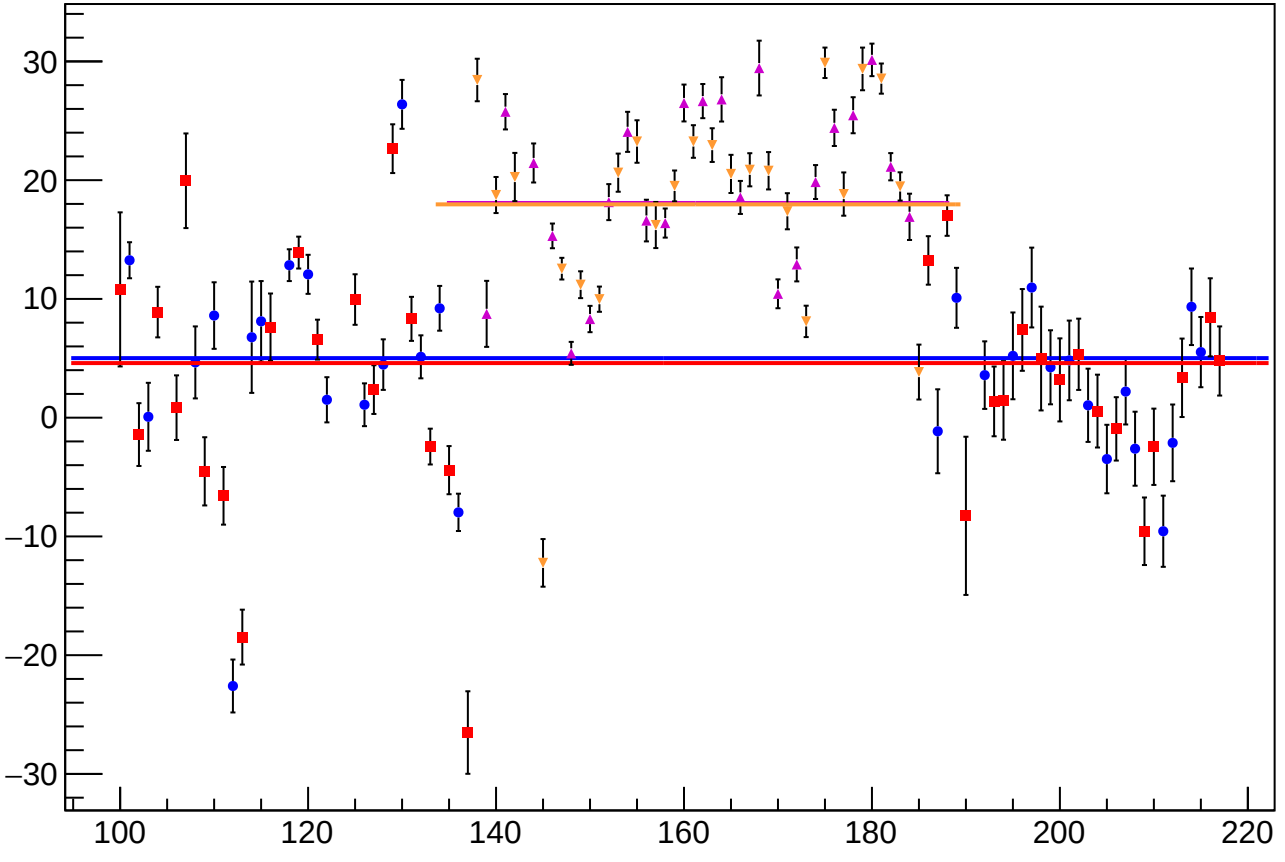
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 72.171+/-0.234 χ^2/NDF: 9721.9/54

All: 73.891+/-0.162 χ^2/NDF: 21470.4/111

- sign 75.471+/-0.224 χ^2/NDF: 11644.5/56

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.015+/-0.420 χ^2/NDF: 488.7/30

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.597+/-0.417 χ^2/NDF: 533.8/33

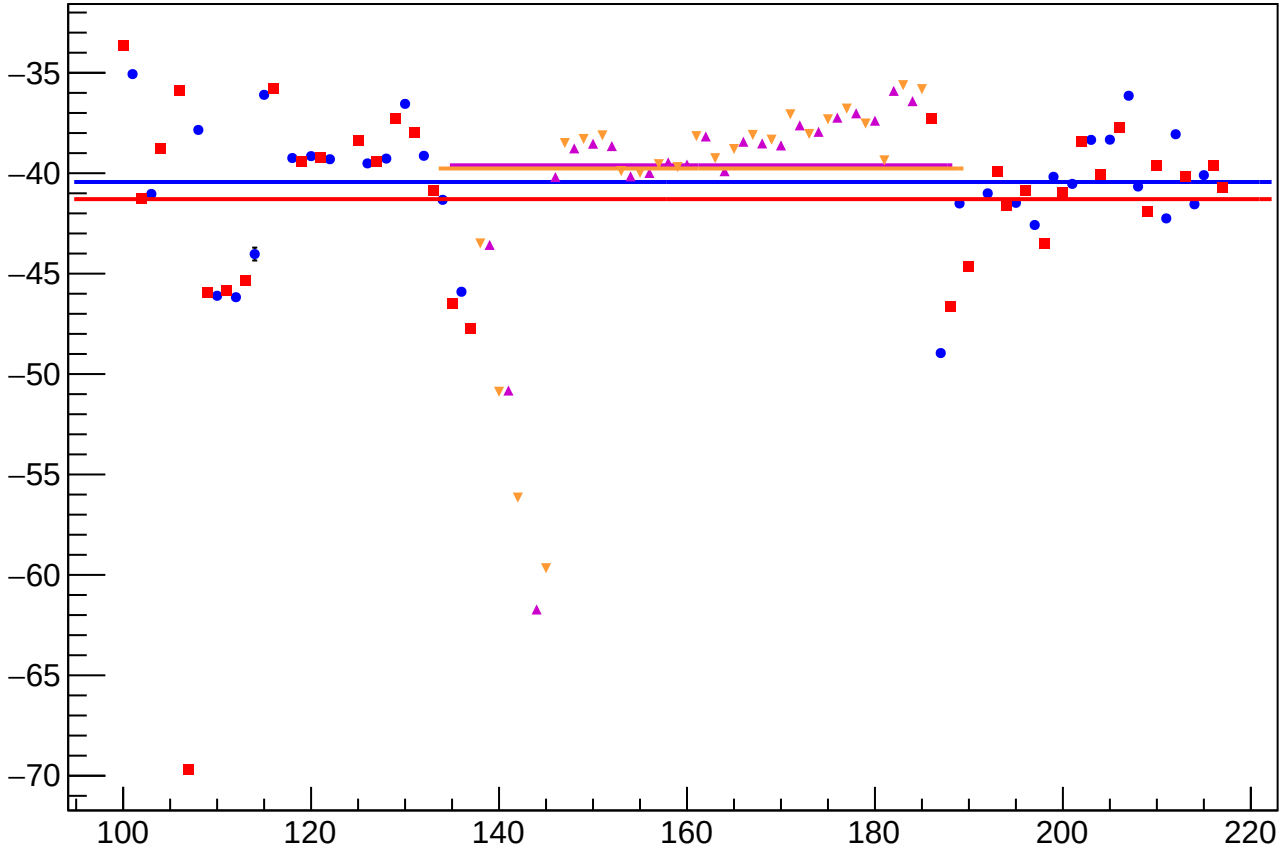
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.740+/-0.240 χ^2/NDF: 1862.3/54

All: 13.660+/-0.170 χ^2/NDF: 3699.3/111

- sign 13.579+/-0.241 χ^2/NDF: 1836.7/56

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.437+/-0.021 χ^2/NDF: 23336.2/30

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.290+/-0.021 χ^2/NDF: 44924.5/33

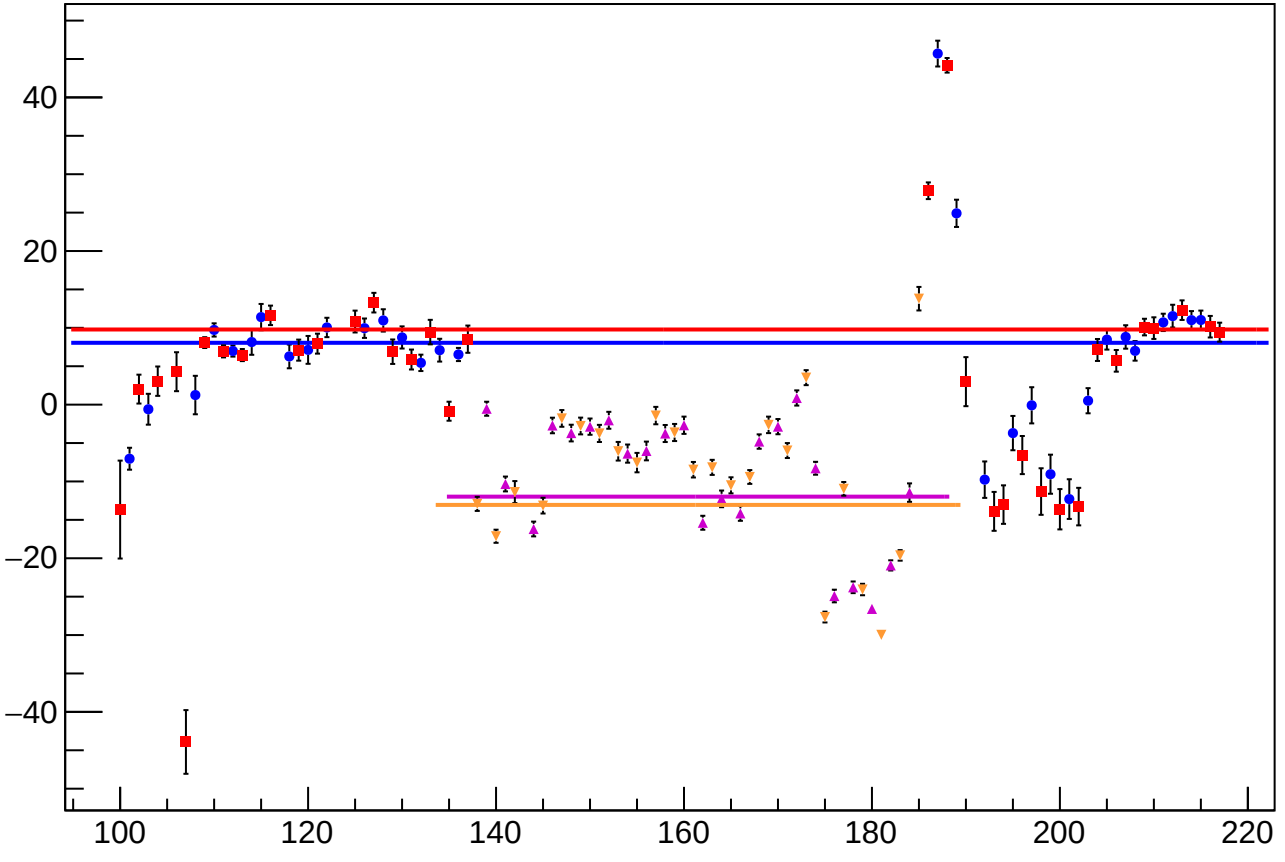
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.964+/-0.011 χ^2/NDF: 153969.2/54

All: -40.033+/-0.008 χ^2/NDF: 310267.3/111

- sign -40.101+/-0.011 χ^2/NDF: 156224.4/56

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.051+/-0.245 χ^2/NDF: 1008.1/30

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.783+/-0.234 χ^2/NDF: 2391.5/33

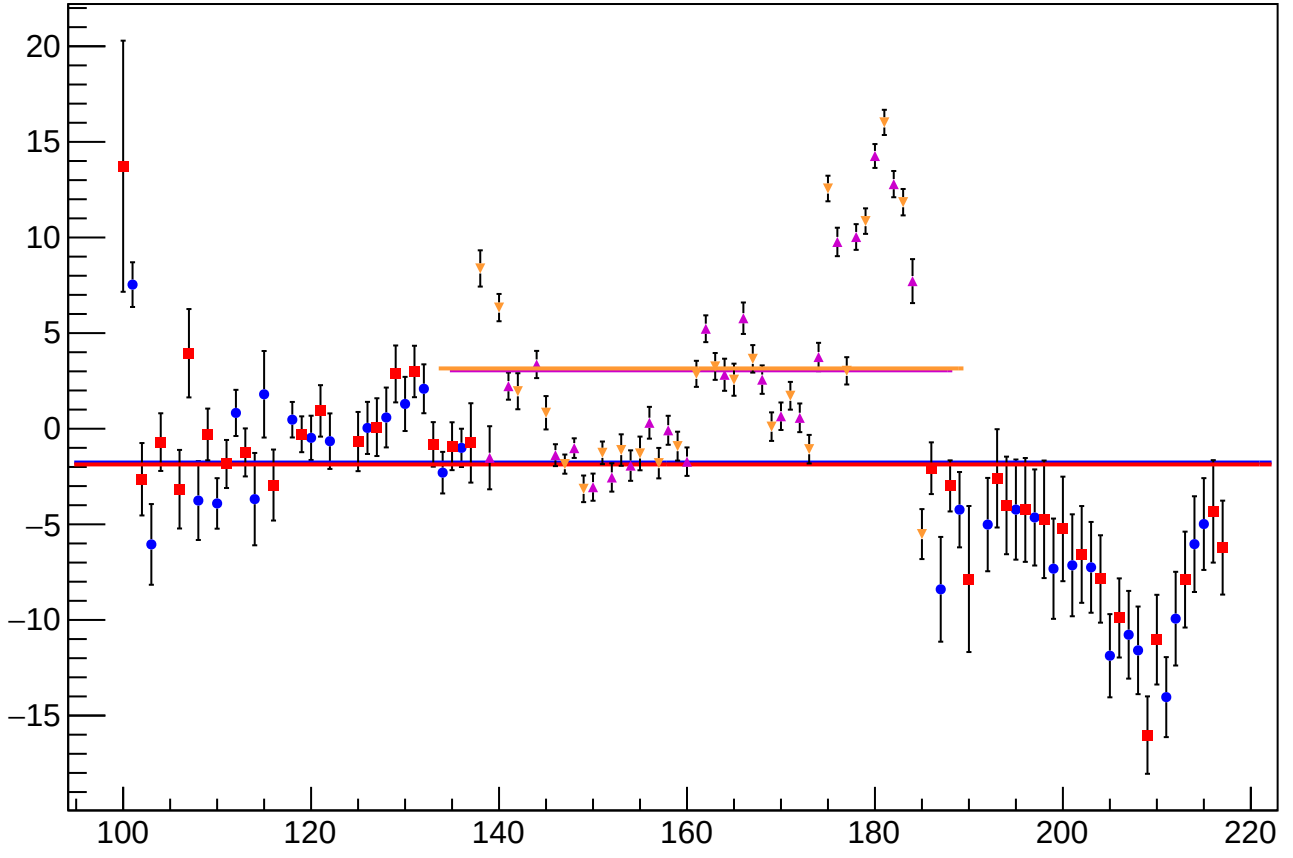
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -4.994+/-0.152 χ^2/NDF: 8454.0/54

All: -3.993+/-0.107 χ^2/NDF: 18213.2/111

\- sign -3.014+/-0.150 χ^2/NDF: 9672.9/56

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.768+/-0.292 χ^2/NDF: 235.8/30

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.867+/-0.292 χ^2/NDF: 155.8/33

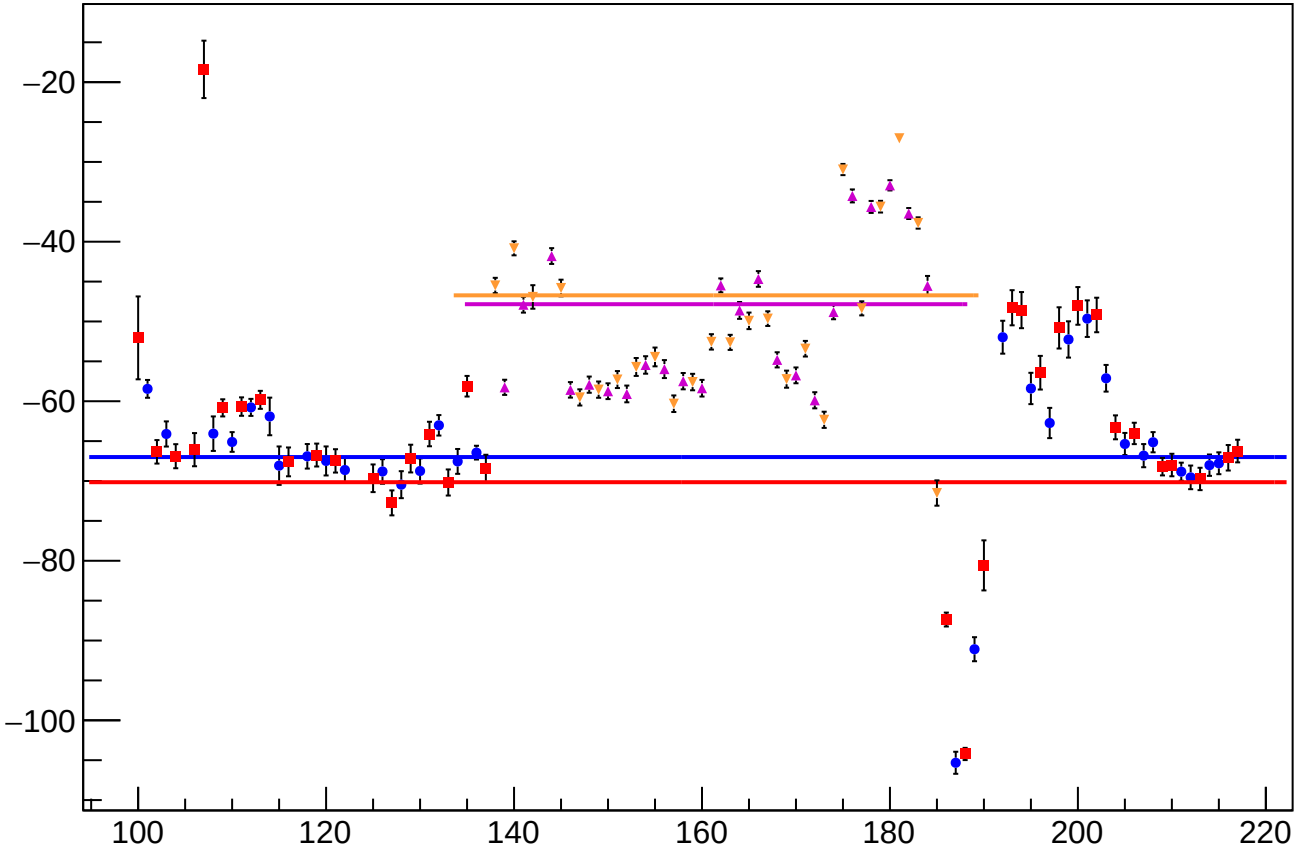
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.134+/-0.133 χ^2/NDF: 1846.5/54

All: 2.069+/-0.095 χ^2/NDF: 3371.8/111

- sign 2.003+/-0.135 χ^2/NDF: 1524.8/56

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.998+/-0.263 χ^2/NDF: 1369.7/30

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.149+/-0.252 χ^2/NDF: 3486.9/33

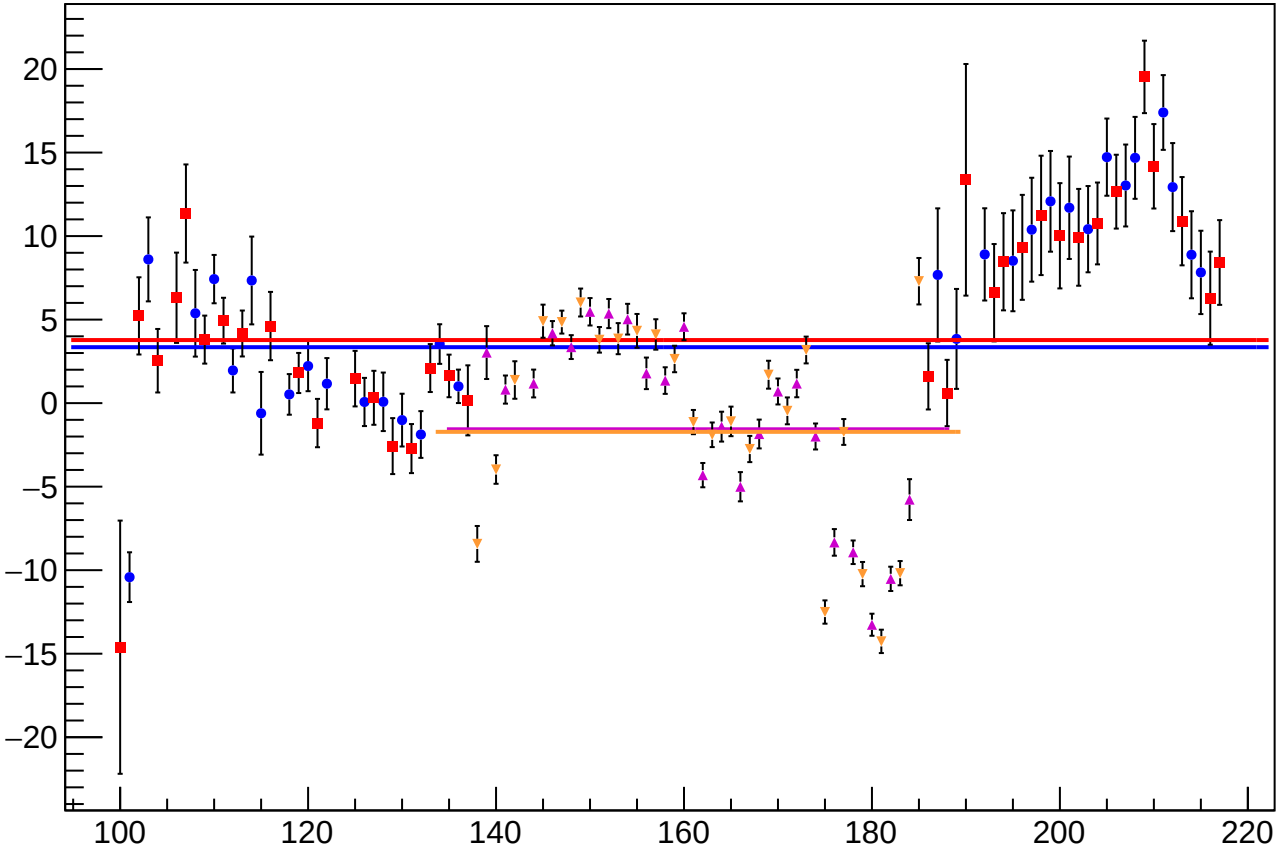
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -53.734+/-0.155 χ^2/NDF: 8689.2/54

All: -54.938+/-0.109 χ^2/NDF: 19774.9/111

- sign -56.123+/-0.154 χ^2/NDF: 10965.9/56

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.349+/-0.331 χ^2/NDF: 306.3/30

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.776+/-0.335 χ^2/NDF: 207.8/33

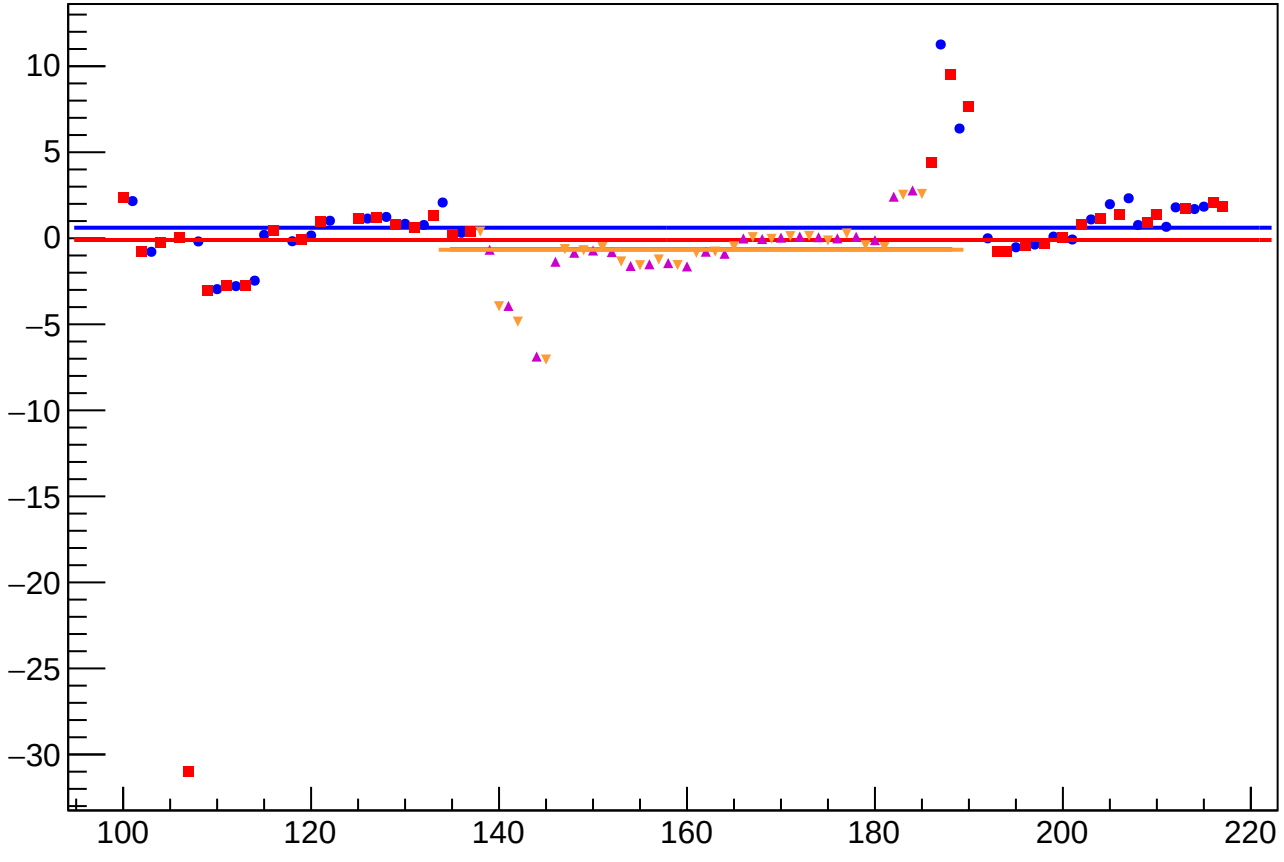
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.680+/-0.150 χ^2/NDF: 1899.1/54

All: -0.575+/-0.107 χ^2/NDF: 3427.7/111

- sign -0.465+/-0.152 χ^2/NDF: 1527.6/56

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.613+/-0.017 χ^2/NDF: 10542.0/30

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.100+/-0.017 χ^2/NDF: 61620.6/33

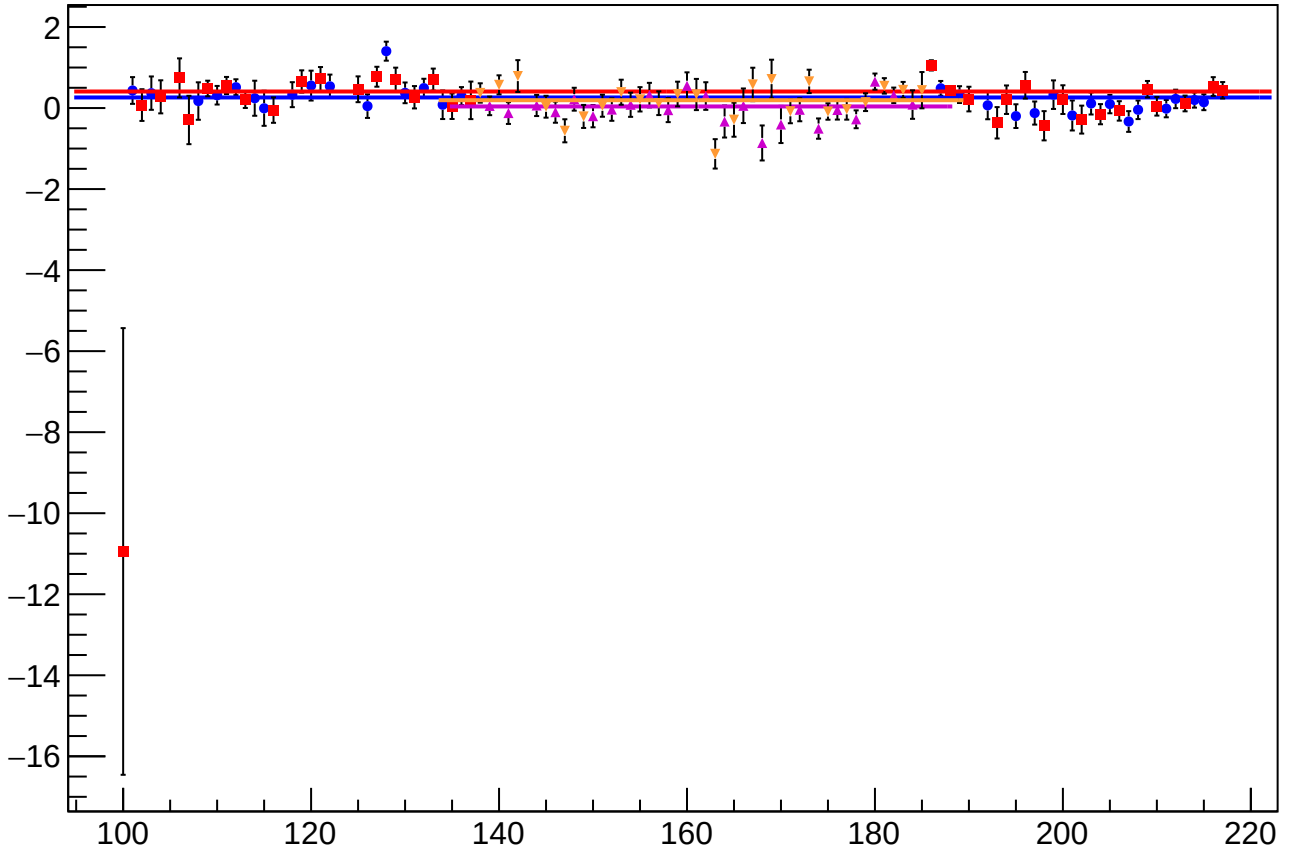
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.449+/-0.007 χ^2/NDF: 70725.6/54

All: -0.502+/-0.005 χ^2/NDF: 178896.9/111

- sign -0.556+/-0.007 χ^2/NDF: 108049.6/56

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.261+/-0.047 χ^2/NDF: 47.7/30

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.408+/-0.042 χ^2/NDF: 73.9/33

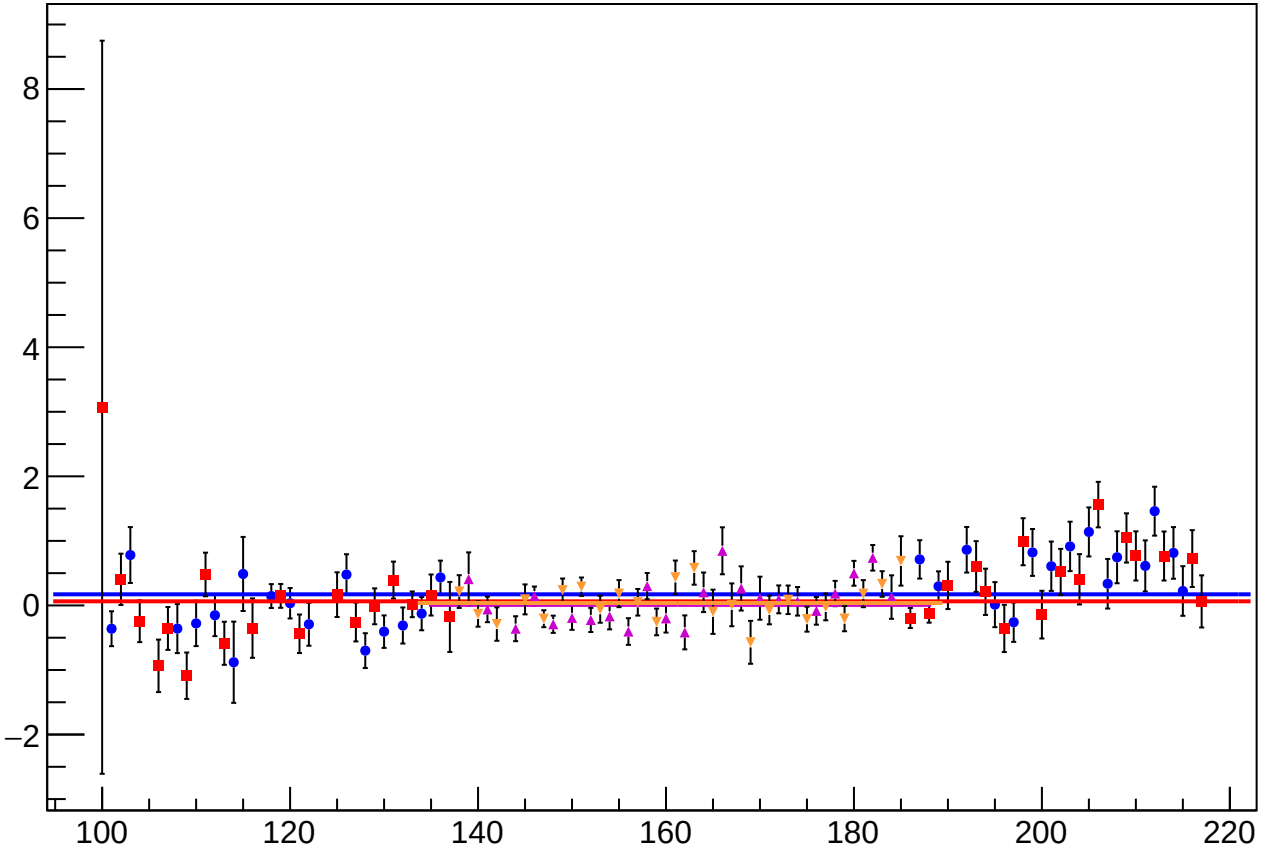
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.234+/-0.036 χ^2/NDF: 92.7/54

All: 0.259+/-0.025 χ^2/NDF: 224.8/111

- sign 0.280+/-0.034 χ^2/NDF: 131.2/56

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.172+/-0.057 χ^2/NDF: 79.8/30

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.064+/-0.052 χ^2/NDF: 83.0/33

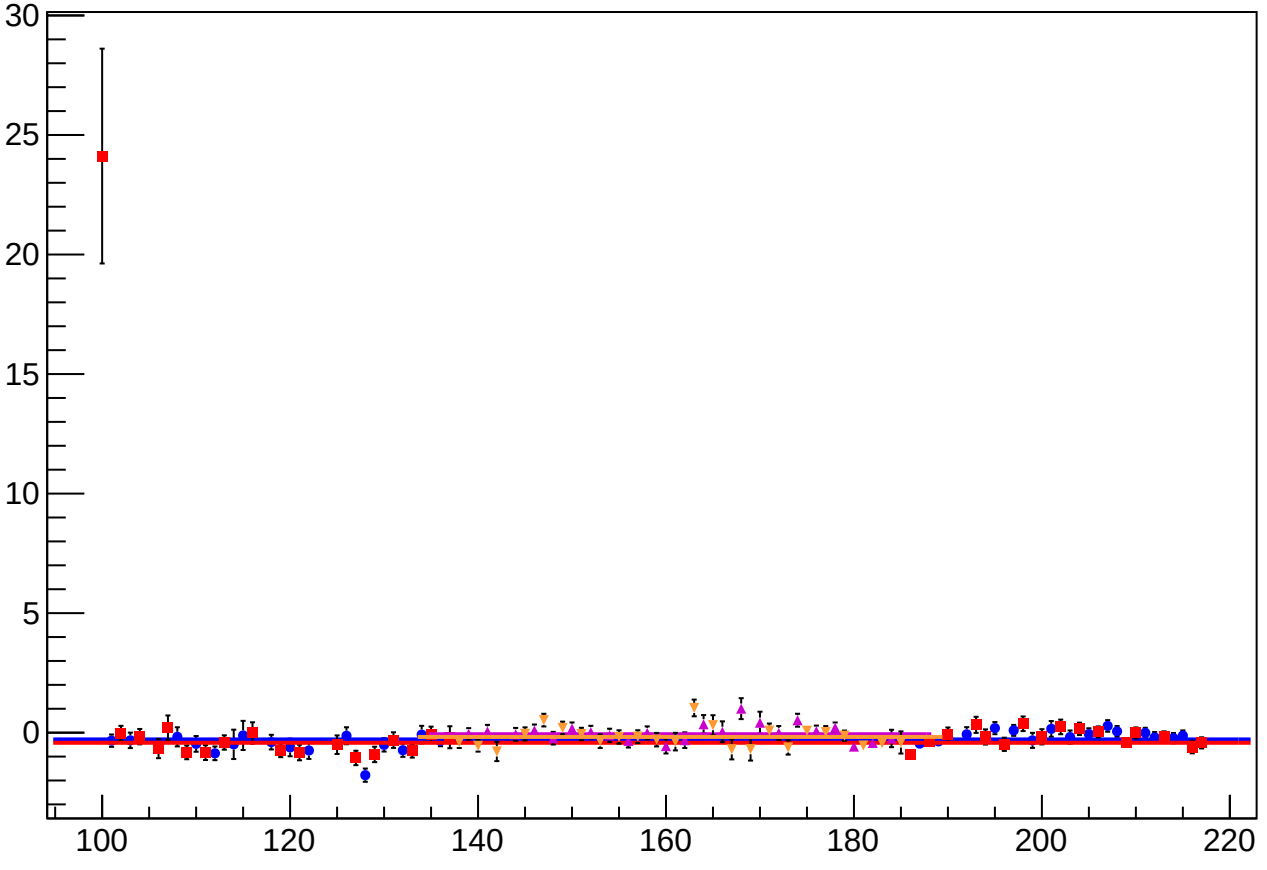
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.088+/-0.034 χ^2/NDF: 116.2/54

All: 0.059+/-0.024 χ^2/NDF: 252.5/111

- sign 0.032+/-0.034 χ^2/NDF: 135.0/56

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.283+/-0.047 χ^2/NDF: 61.4/30

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.422+/-0.041 χ^2/NDF: 106.2/33

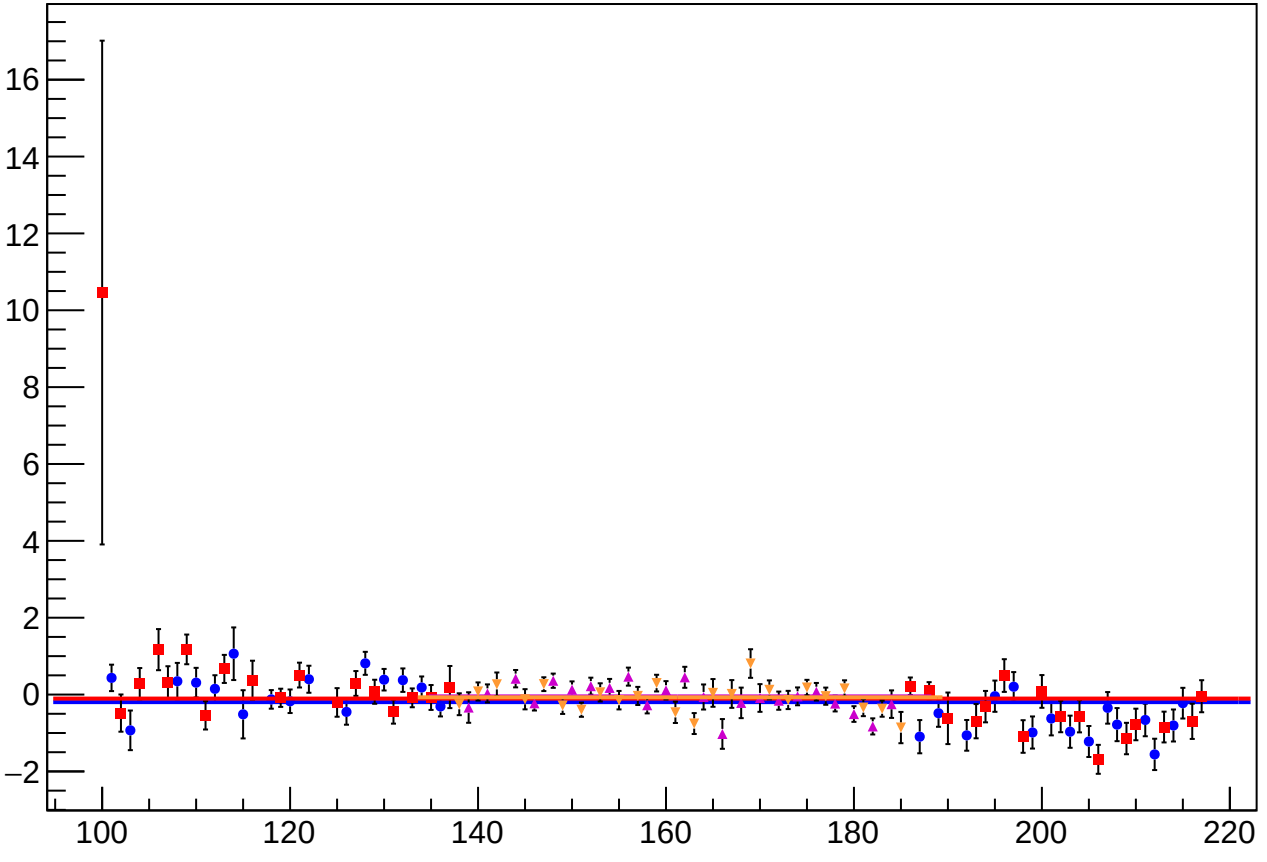
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.240+/-0.036 χ^2/NDF: 105.5/54

All: -0.273+/-0.024 χ^2/NDF: 270.7/111

- sign -0.301+/-0.033 χ^2/NDF: 163.5/56

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.197+/-0.066 χ^2/NDF: 79.4/30

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.104+/-0.063 χ^2/NDF: 82.9/33

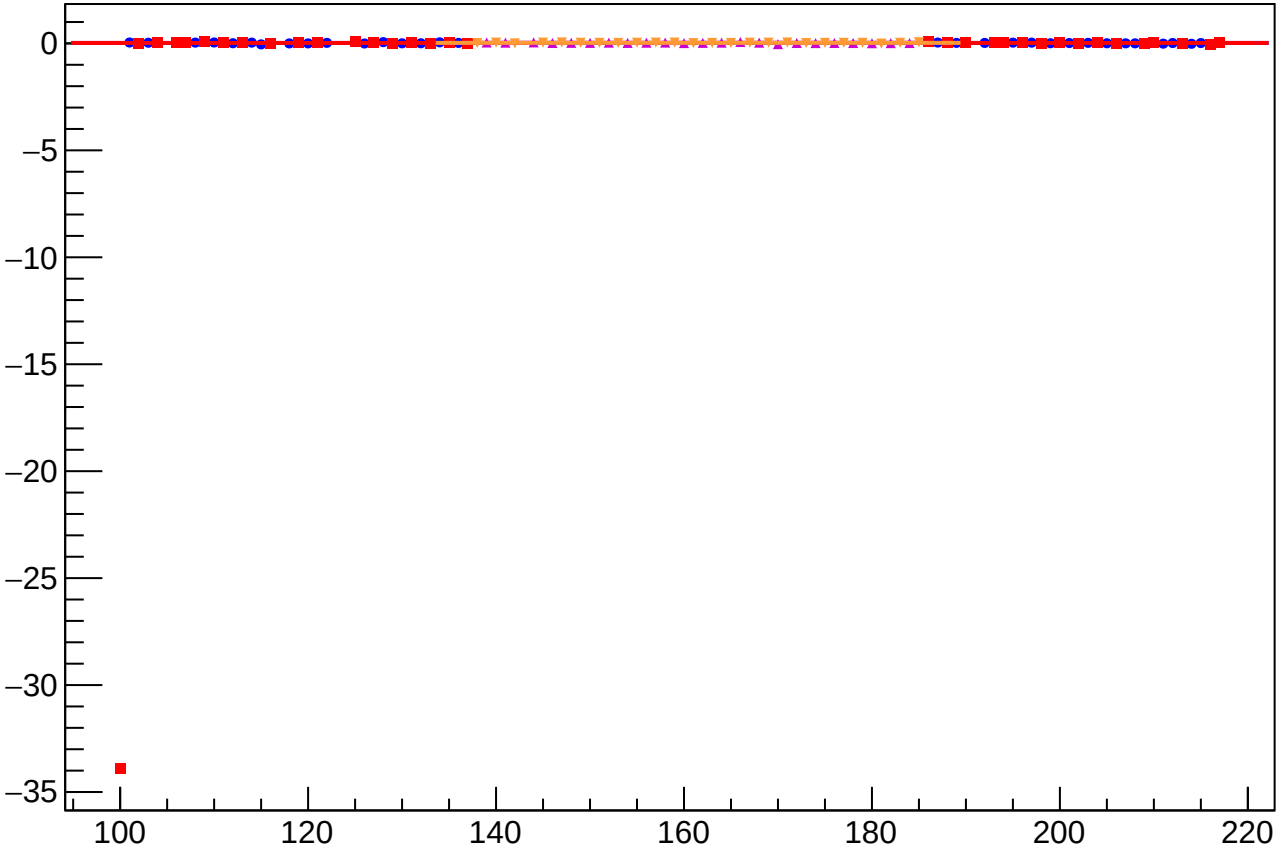
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.117+/-0.039 χ^2/NDF: 119.5/54

All: -0.093+/-0.028 χ^2/NDF: 254.1/111

- sign -0.070+/-0.039 χ^2/NDF: 133.8/56

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.003 χ^2/NDF: 30.1/30

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22325.4/33

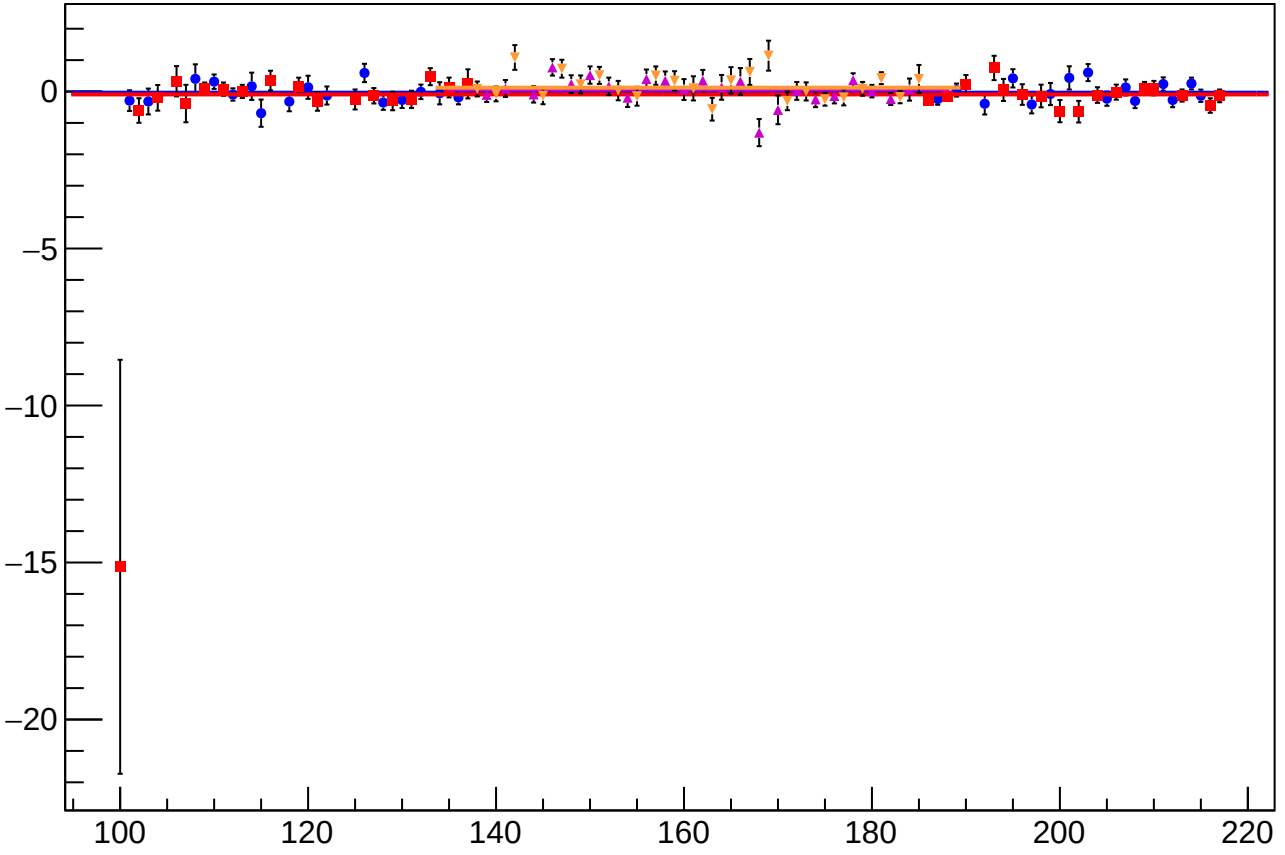
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 63.1/54

All: 0.024+/-0.001 χ^2/NDF: 22430.3/111

- sign 0.024+/-0.002 χ^2/NDF: 22367.1/56

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.037+/-0.047 χ^2/NDF: 37.3/30

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.093+/-0.042 χ^2/NDF: 37.7/33

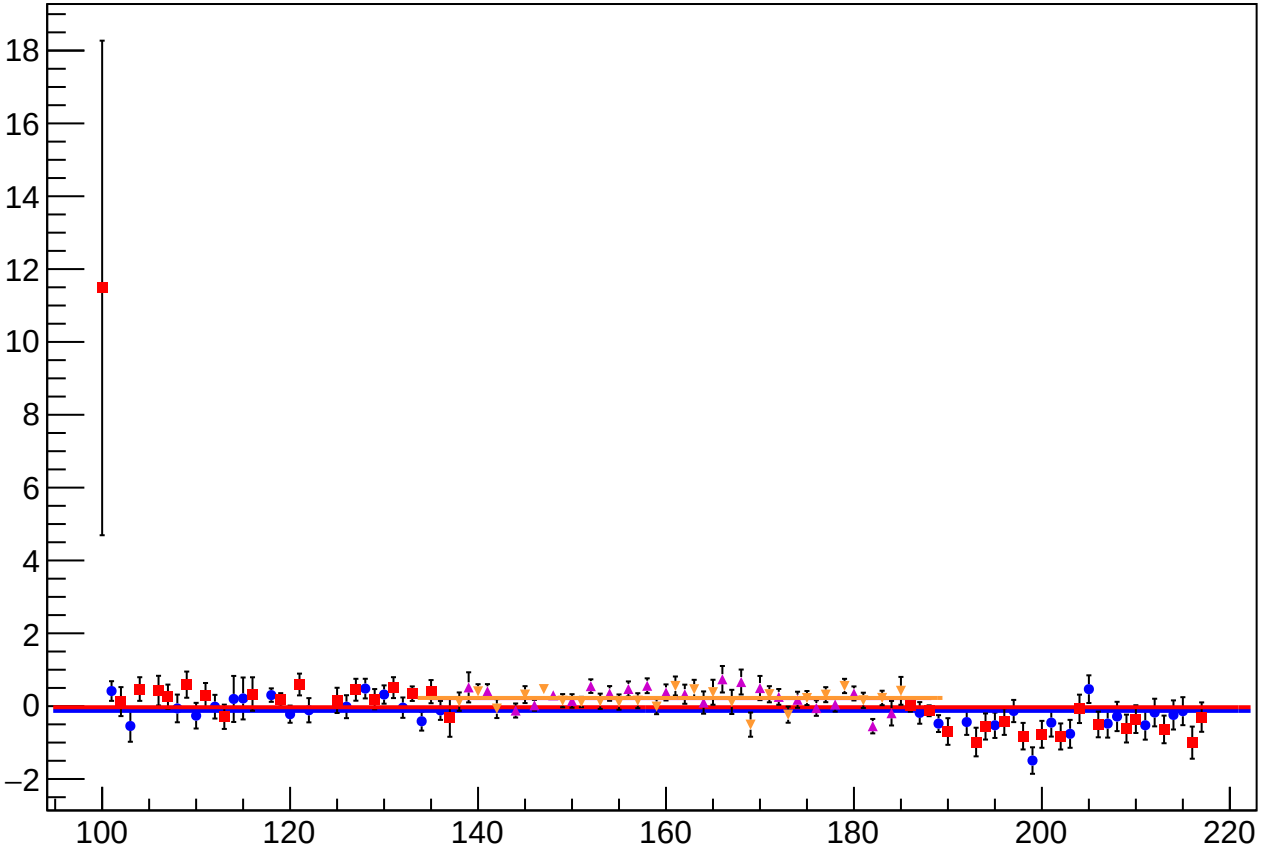
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.027+/-0.036 χ^2/NDF: 81.7/54

All: -0.008+/-0.025 χ^2/NDF: 160.1/111

- sign -0.038+/-0.034 χ^2/NDF: 76.7/56

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.057 χ^2/NDF: 47.7/30

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.030+/-0.052 χ^2/NDF: 70.3/33

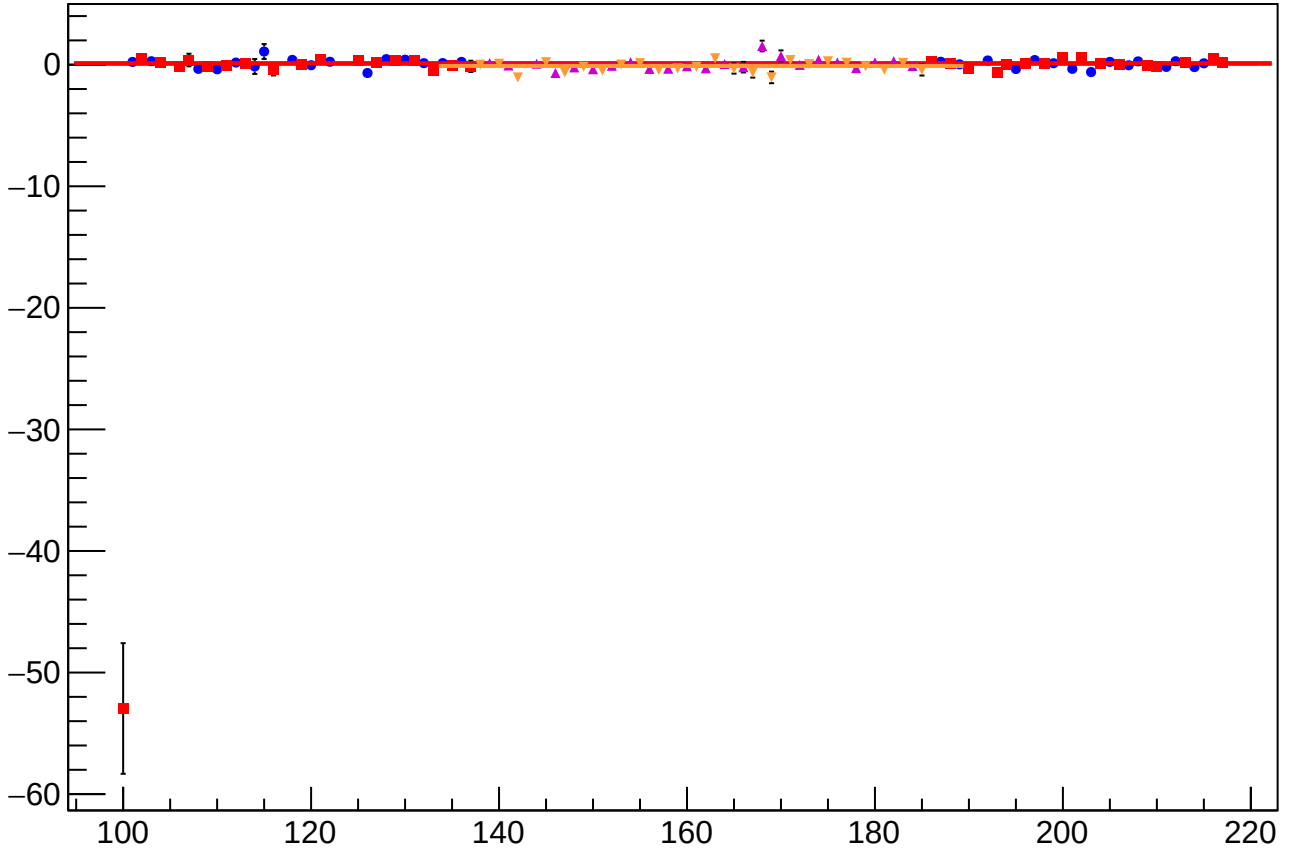
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.094+/-0.034 χ^2/NDF: 96.6/54

All: 0.105+/-0.024 χ^2/NDF: 219.9/111

- sign 0.116+/-0.034 χ^2/NDF: 123.1/56

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.089+/-0.047 χ^2/NDF: 36.4/30

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.126+/-0.041 χ^2/NDF: 127.0/33

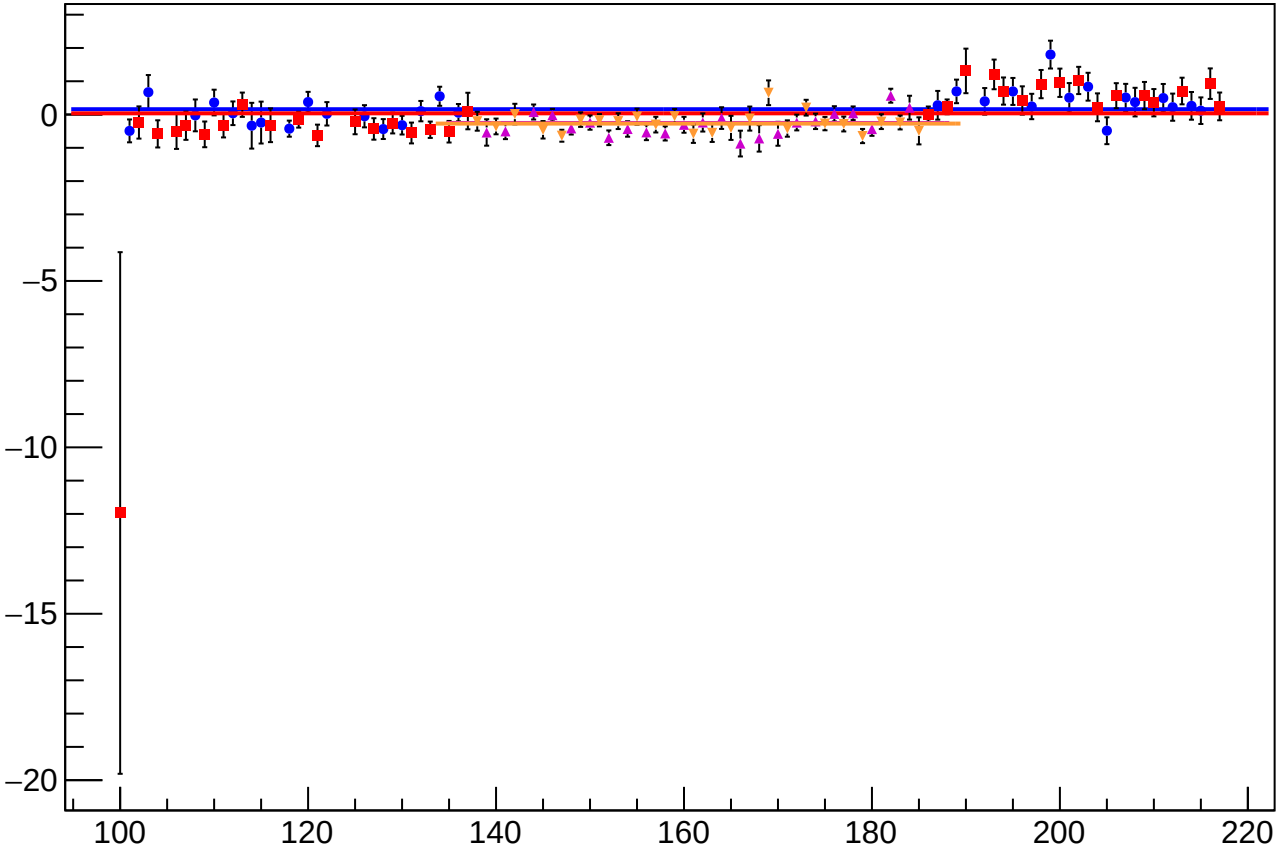
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.009+/-0.036 χ^2/NDF: 80.9/54

All: 0.047+/-0.024 χ^2/NDF: 251.8/111

- sign 0.080+/-0.033 χ^2/NDF: 168.7/56

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.160+/-0.066 χ^2/NDF: 49.3/30

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.036+/-0.063 χ^2/NDF: 71.0/33

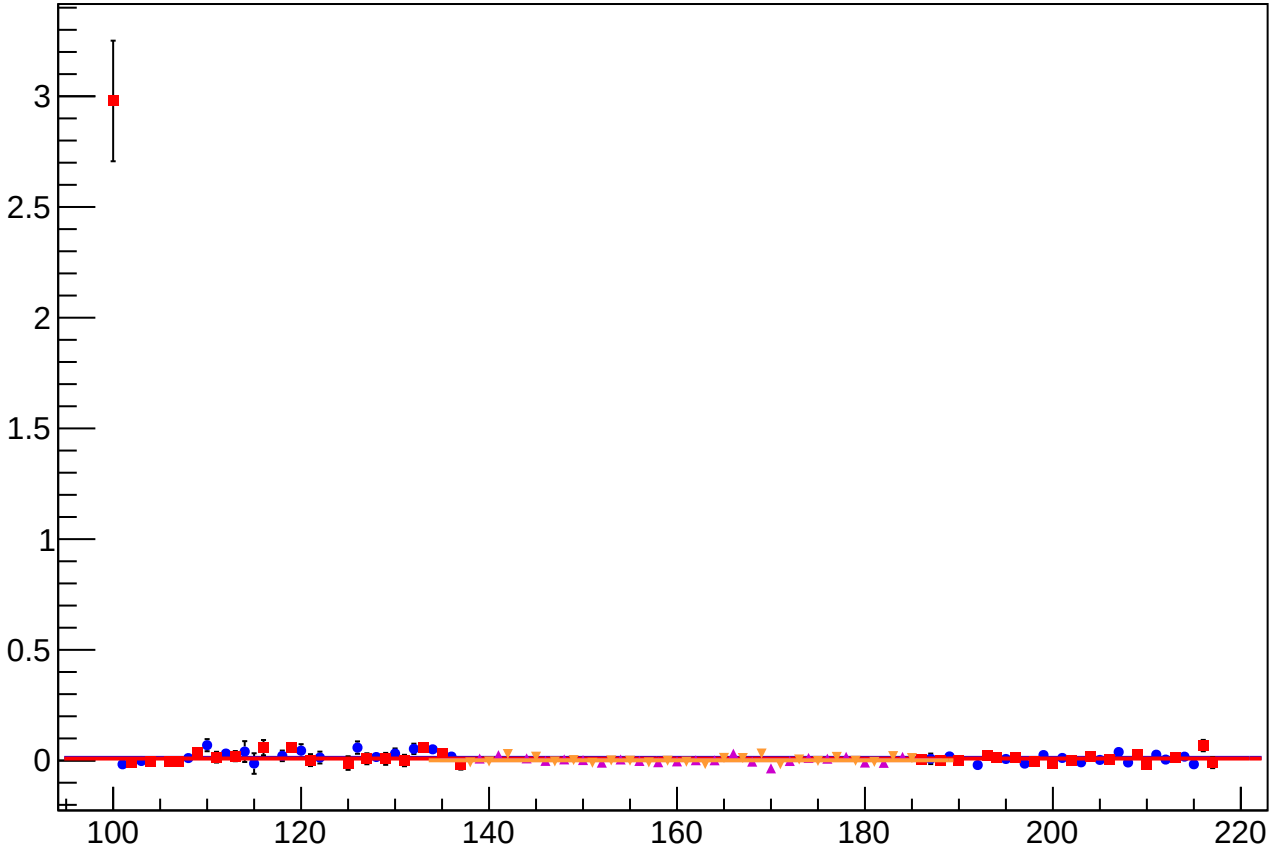
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.116+/-0.039 χ^2/NDF: 101.8/54

All: -0.128+/-0.028 χ^2/NDF: 226.7/111

- sign -0.140+/-0.039 χ^2/NDF: 124.7/56

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 47.0/30

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 158.2/33

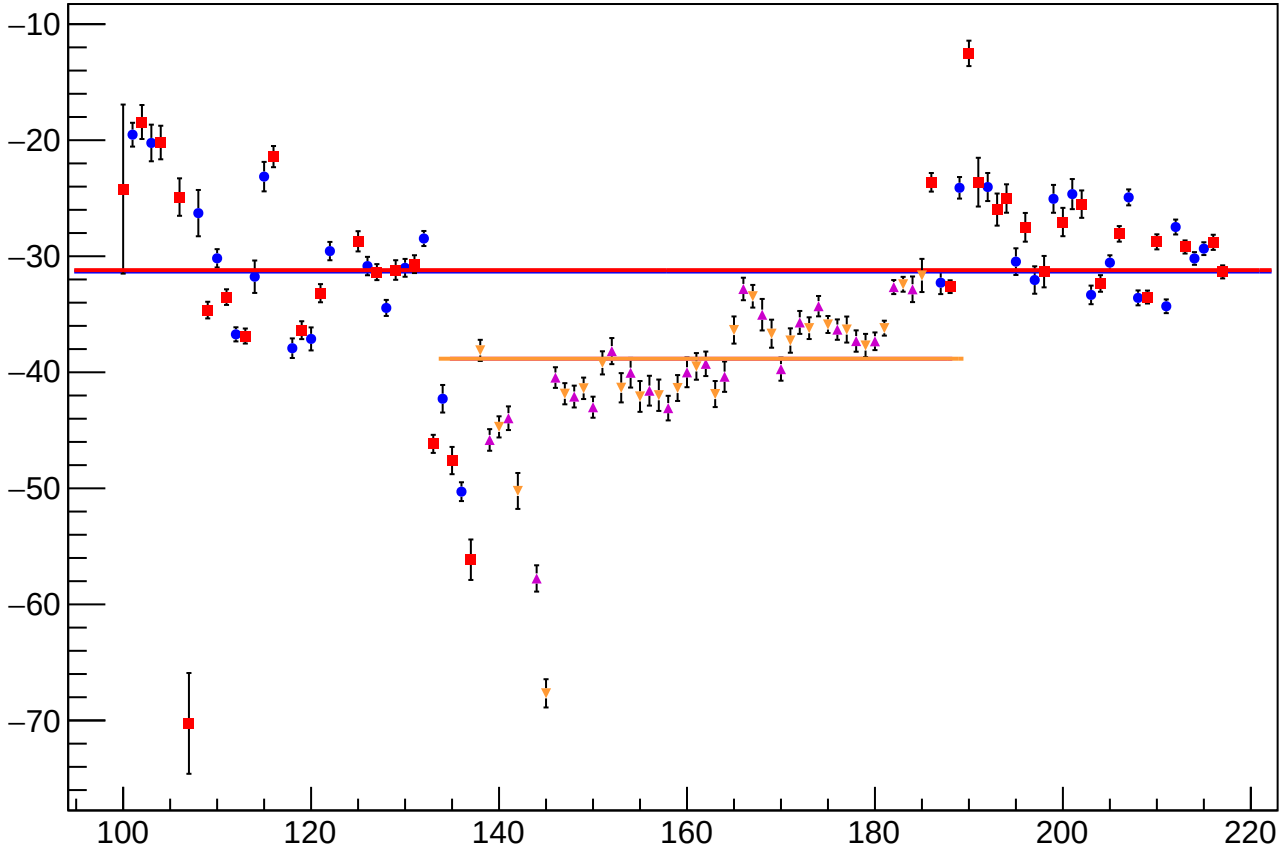
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 82.0/54

All: 0.005+/-0.001 χ^2/NDF: 268.3/111

- sign 0.005+/-0.002 χ^2/NDF: 186.3/56

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.317+/-0.146 χ^2/NDF: 1421.2/30

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.198+/-0.142 χ^2/NDF: 1852.3/34

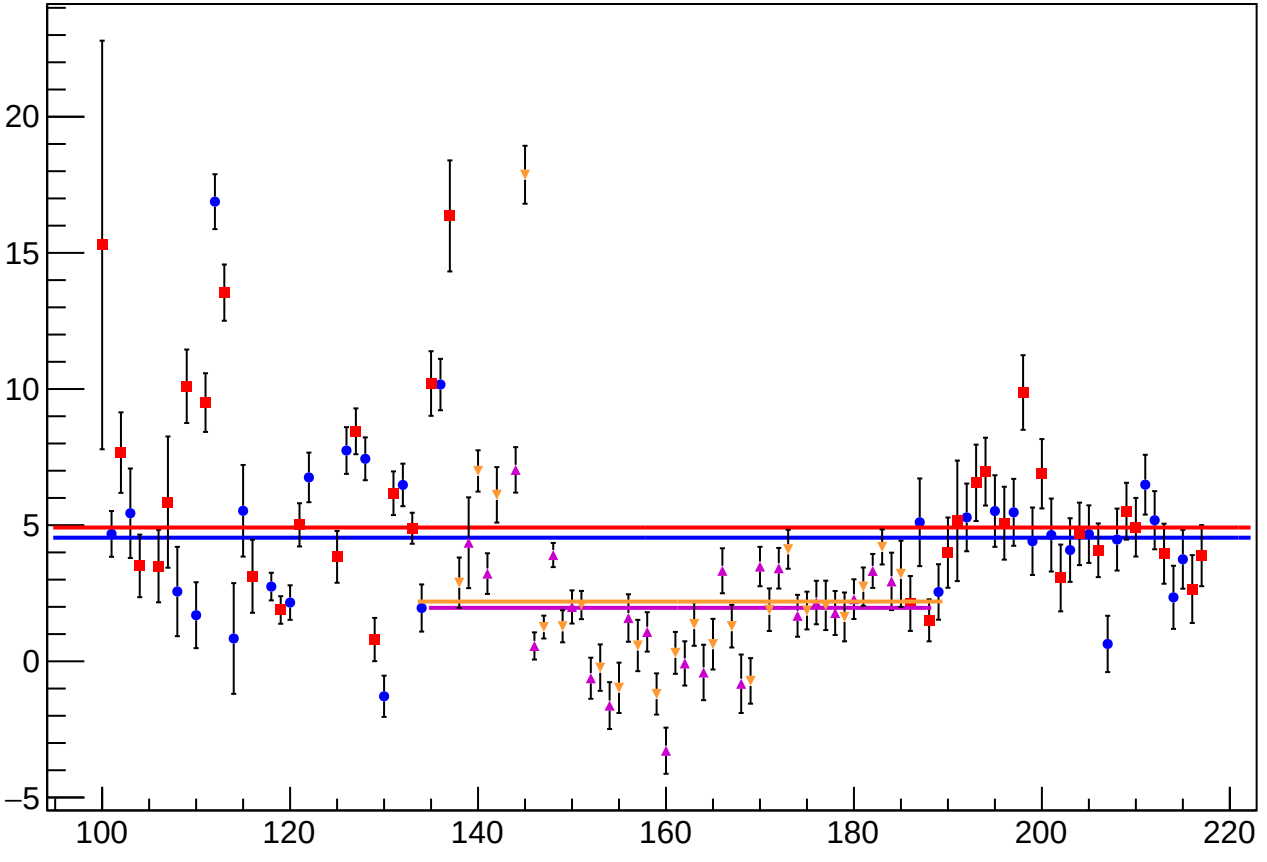
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -33.885+/-0.118 χ^2/NDF: 3248.1/54

All: -33.789+/-0.083 χ^2/NDF: 6704.3/112

- sign -33.696+/-0.116 χ^2/NDF: 3455.0/57

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.540+/-0.177 χ^2/NDF: 357.9/30

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.914+/-0.174 χ^2/NDF: 303.5/34

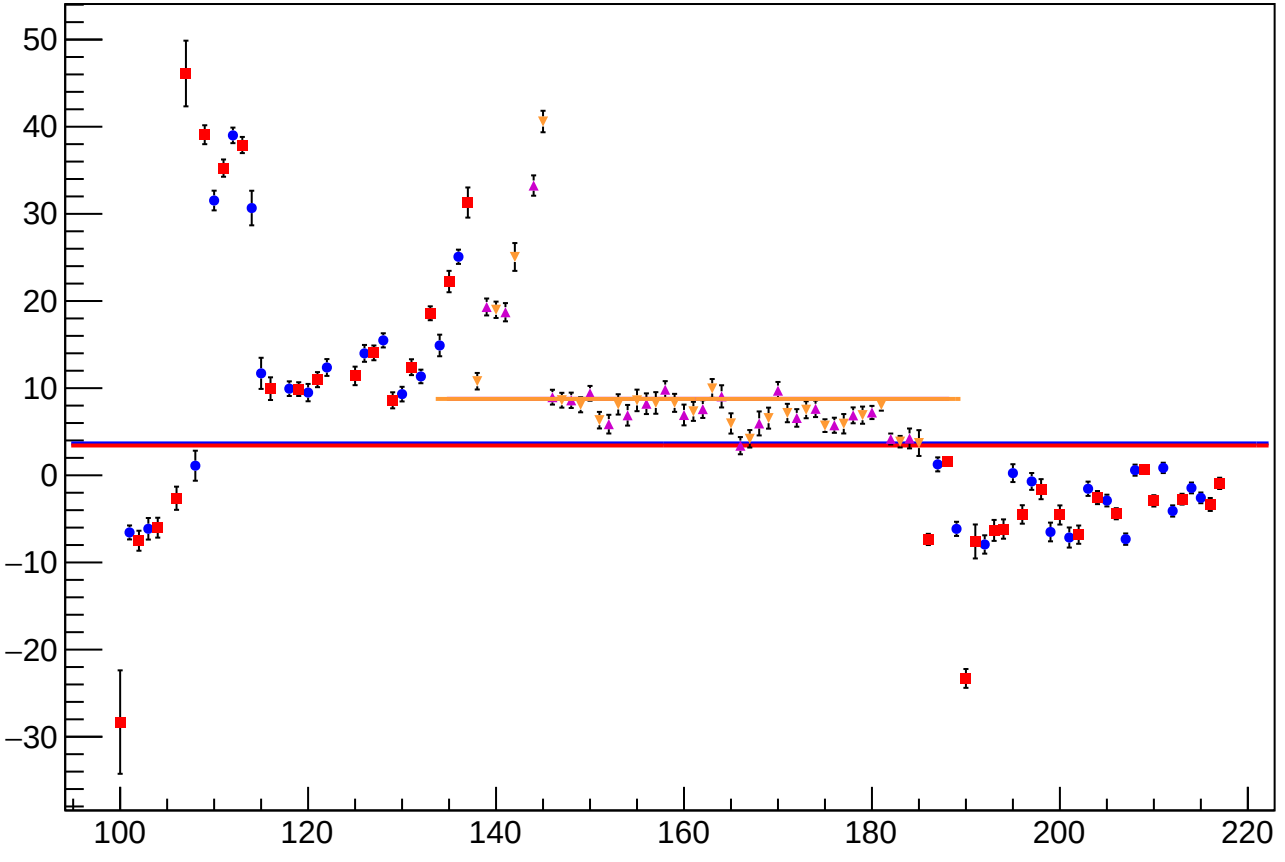
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.191+/-0.115 χ^2/NDF: 823.9/54

All: 3.227+/-0.082 χ^2/NDF: 1460.8/112

- sign 3.263+/-0.116 χ^2/NDF: 636.8/57

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 3.657+/-0.152 χ^2/NDF: 5281.1/30

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.421+/-0.147 χ^2/NDF: 7063.7/34

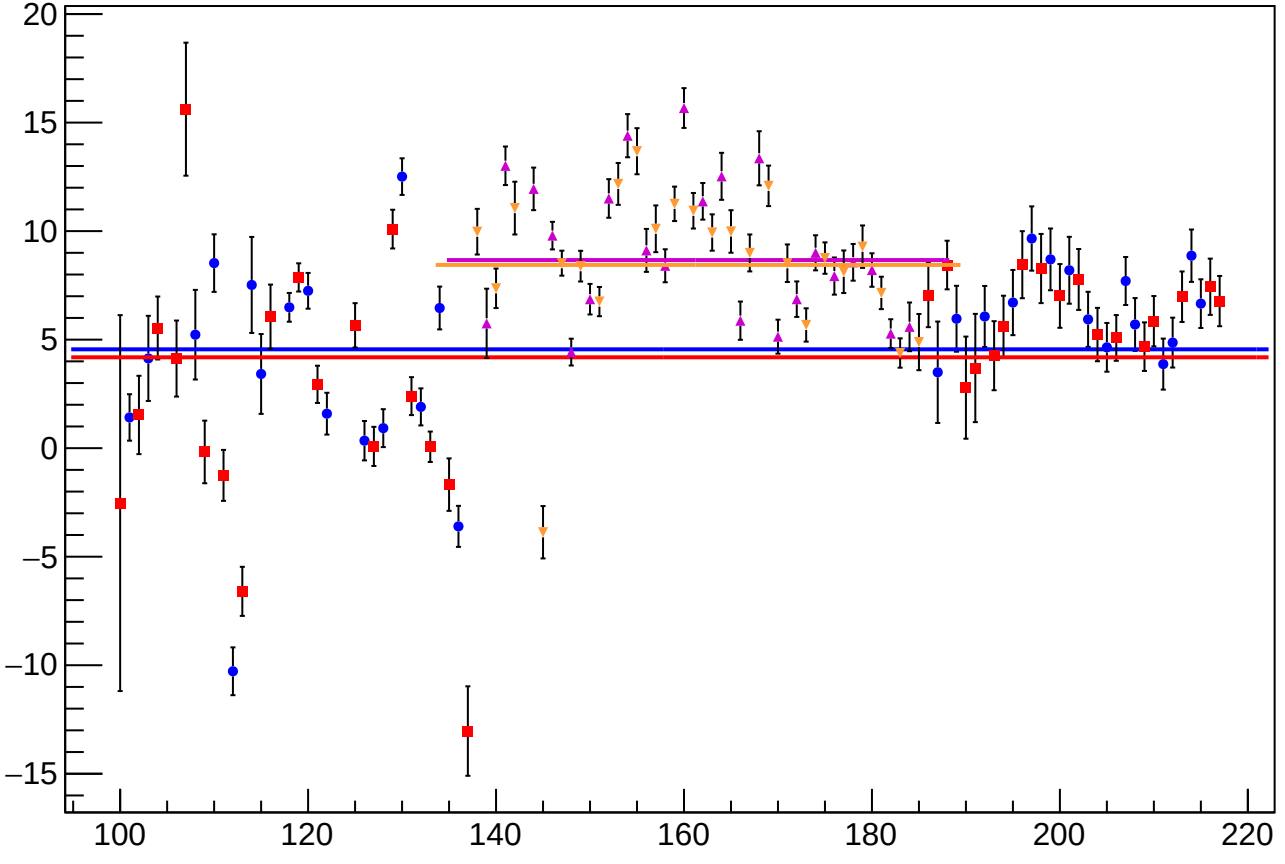
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 5.530+/-0.121 χ^2/NDF: 6727.8/54

All: 5.406+/-0.085 χ^2/NDF: 15048.2/112

- sign 5.288+/-0.119 χ^2/NDF: 8318.3/57

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.554+/-0.203 χ^2/NDF: 502.7/30

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.186+/-0.202 χ^2/NDF: 438.4/34

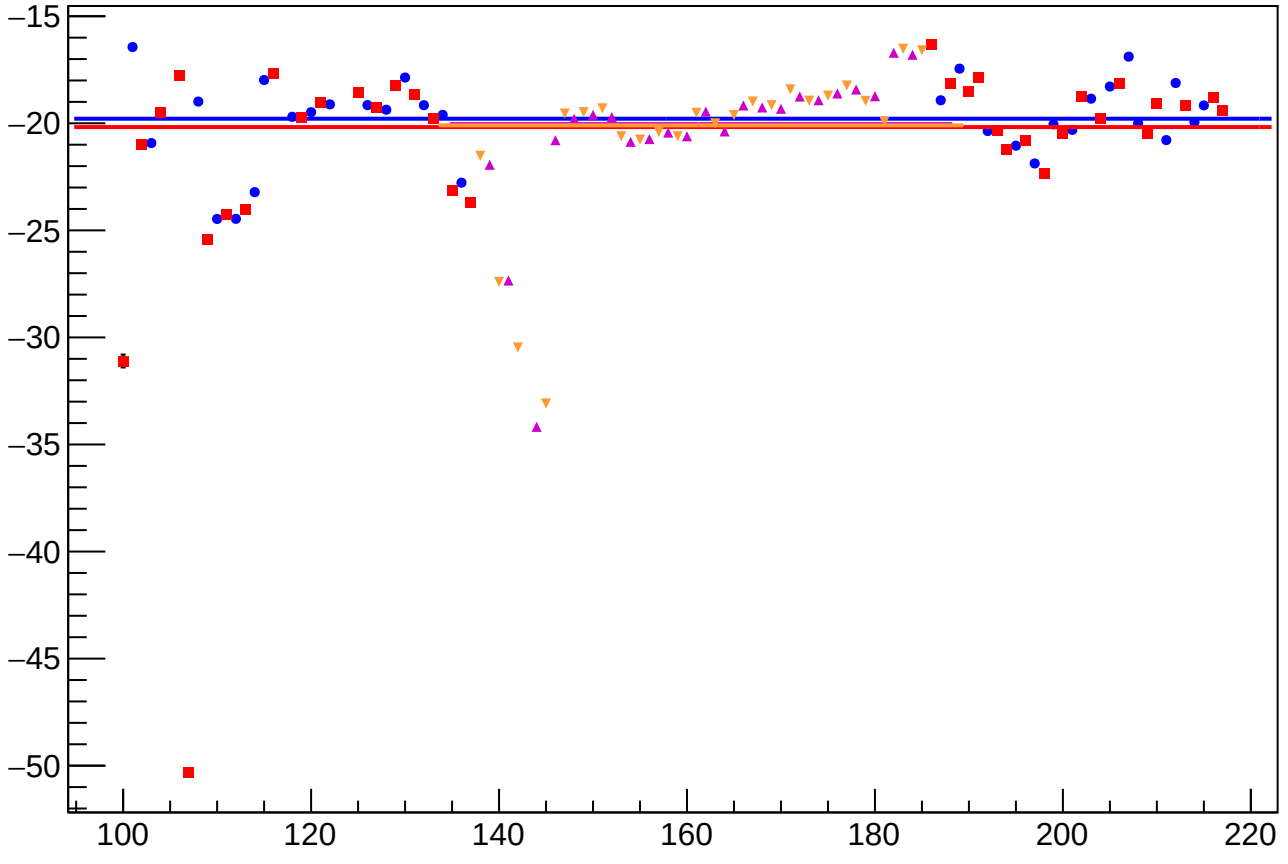
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.797+/-0.132 χ^2/NDF: 979.3/54

All: 6.766+/-0.093 χ^2/NDF: 2003.1/112

\- sign 6.734+/-0.132 χ^2/NDF: 1023.7/57

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.786+/-0.010 χ^2/NDF: 32499.5/30

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.177+/-0.010 χ^2/NDF: 72886.9/34

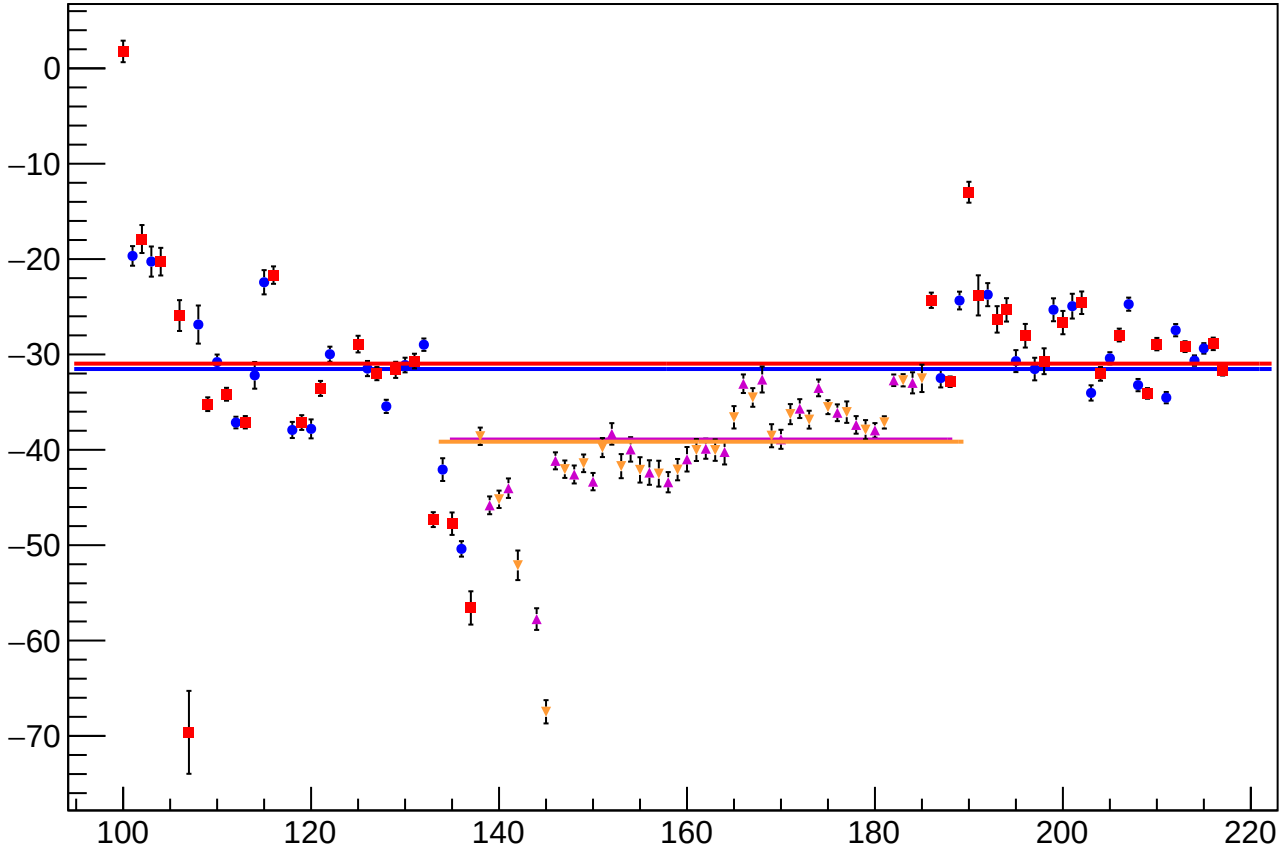
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.978+/-0.006 χ^2/NDF: 192376.2/54

All: -20.035+/-0.004 χ^2/NDF: 397840.1/112

- sign -20.091+/-0.006 χ^2/NDF: 205298.6/57

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.528+/-0.146 χ^2/NDF: 1447.9/30

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.964+/-0.141 χ^2/NDF: 2781.9/34

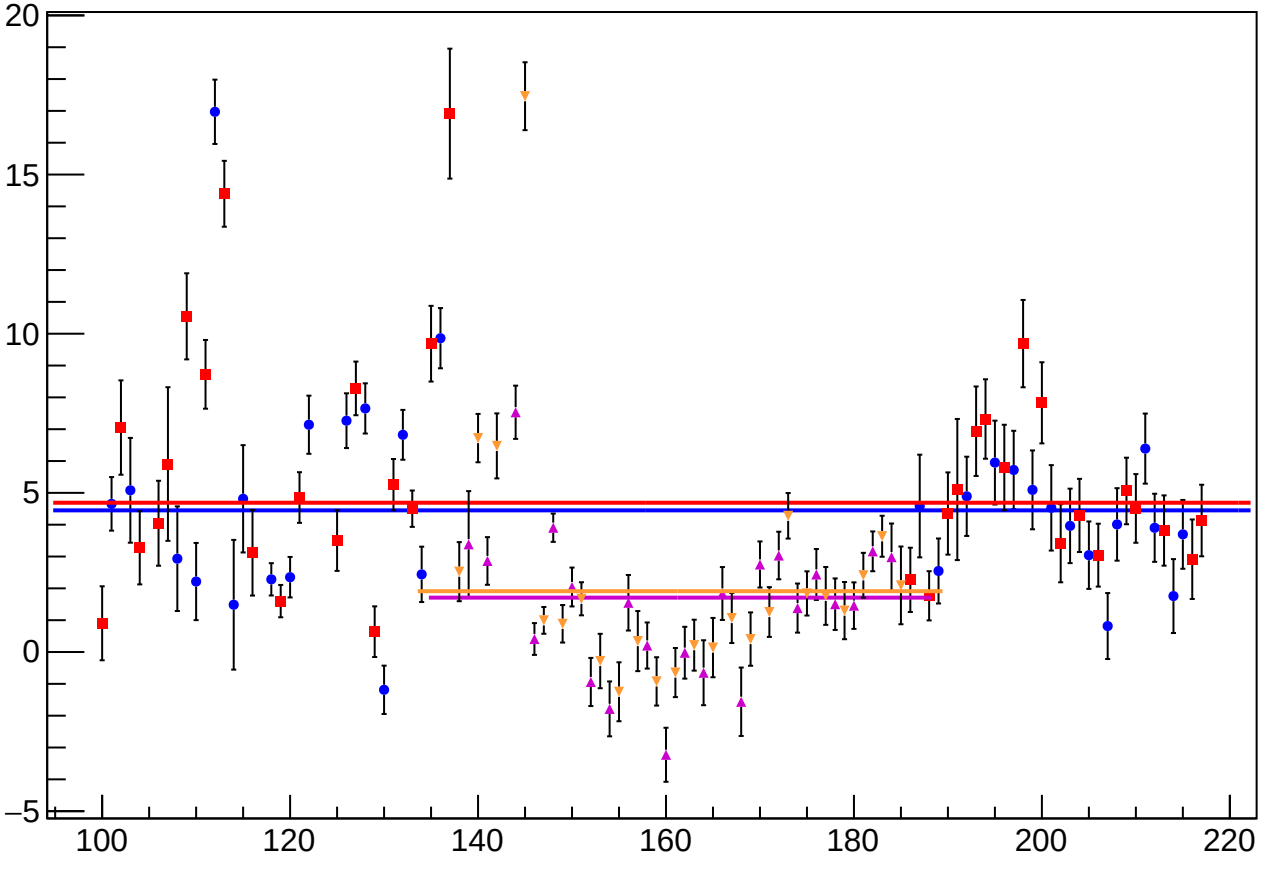
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -34.132+/-0.118 χ^2/NDF: 3279.2/54

All: -33.829+/-0.083 χ^2/NDF: 7789.9/112

- sign -33.539+/-0.116 χ^2/NDF: 4497.9/57

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.450+/-0.177 χ^2/NDF: 357.4/30

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.690+/-0.173 χ^2/NDF: 328.2/34

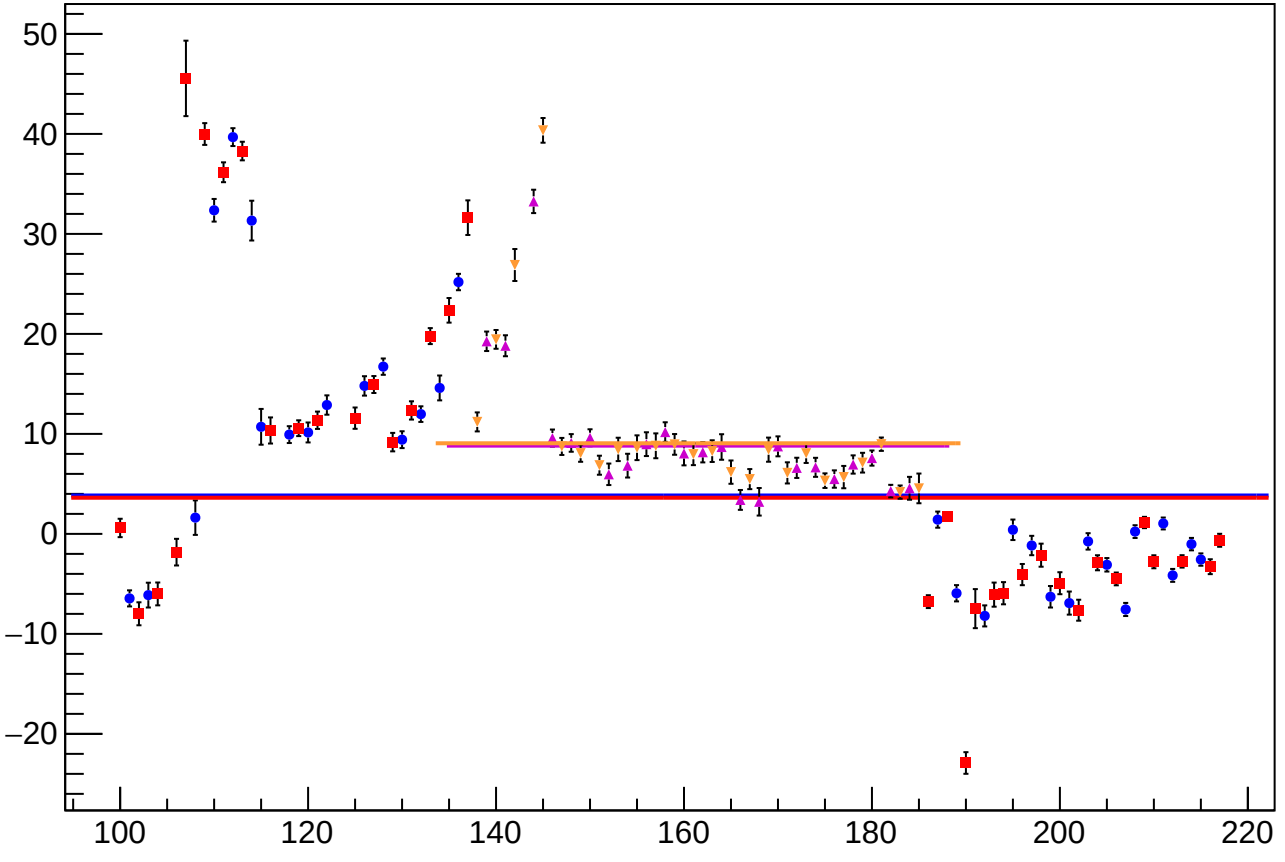
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.990+/-0.116 χ^2/NDF: 834.6/54

All: 3.014+/-0.082 χ^2/NDF: 1510.3/112

- sign 3.038+/-0.115 χ^2/NDF: 675.6/57

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.839+/-0.153 χ^2/NDF: 5454.0/30

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.616+/-0.146 χ^2/NDF: 7245.8/34

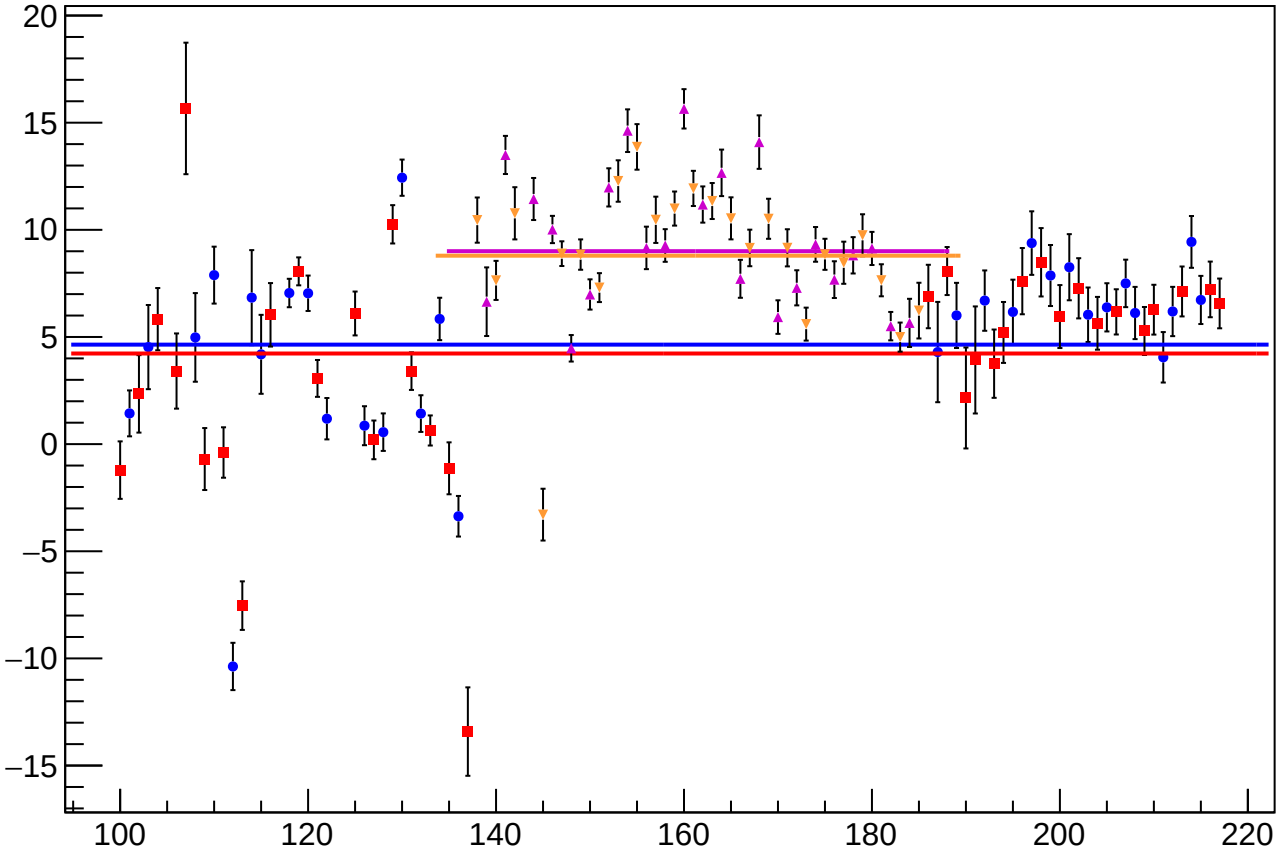
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 5.753+/-0.122 χ^2/NDF: 6915.8/54

All: 5.573+/-0.085 χ^2/NDF: 15405.0/112

- sign 5.403+/-0.118 χ^2/NDF: 8484.9/57

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.643+/-0.203 χ^2/NDF: 504.4/30

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.228+/-0.200 χ^2/NDF: 452.6/34

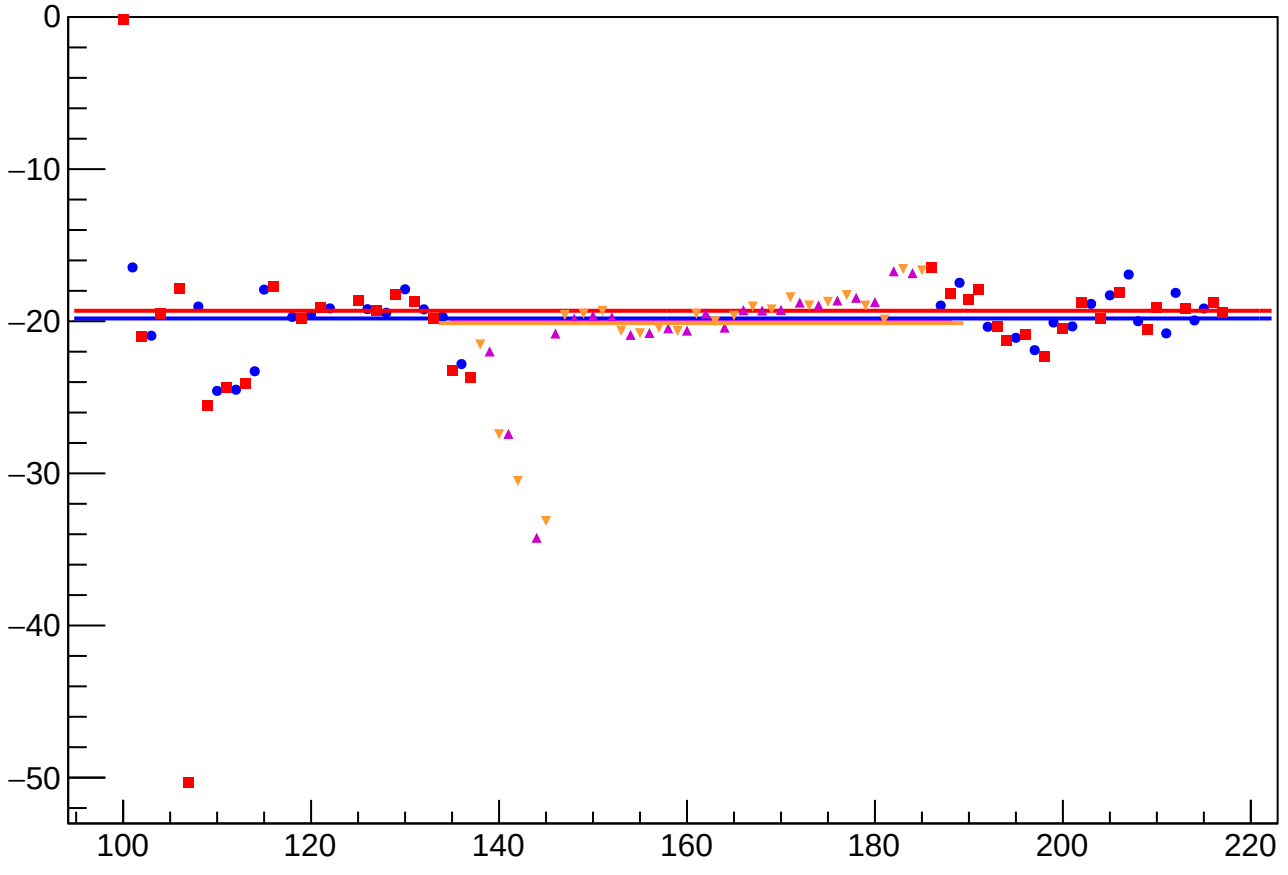
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.037+/-0.132 χ^2/NDF: 989.6/54

All: 6.978+/-0.093 χ^2/NDF: 2053.6/112

- sign 6.919+/-0.132 χ^2/NDF: 1063.6/57

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.817+/-0.010 χ^2/NDF: 32524.9/30

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.310+/-0.010 χ^2/NDF: 248154.0/34

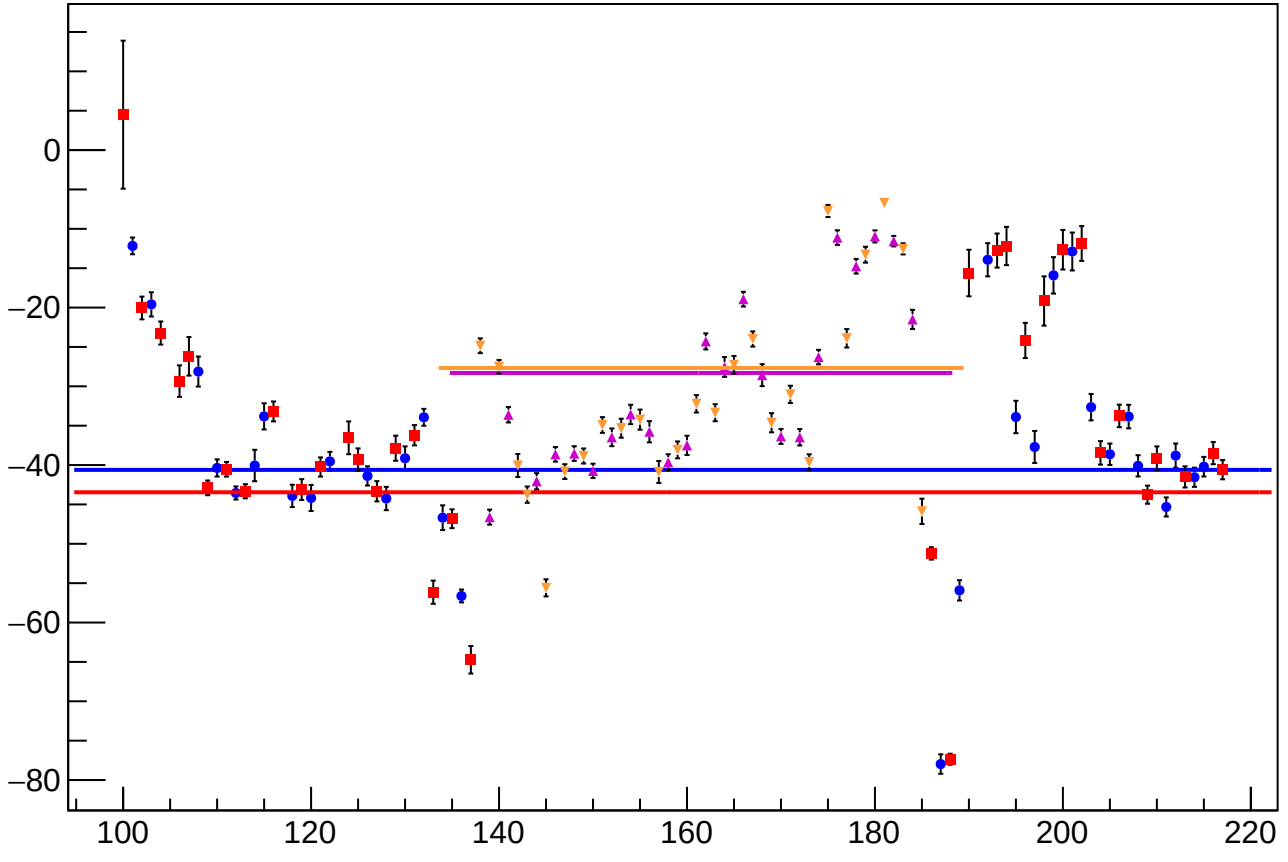
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.007+/-0.006 χ^2/NDF: 191672.1/54

All: -19.885+/-0.004 χ^2/NDF: 576841.5/112

- sign -19.766+/-0.006 χ^2/NDF: 384418.2/57

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.612+/-0.243 χ^2/NDF: 2967.8/30

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.455+/-0.227 χ^2/NDF: 4457.2/34

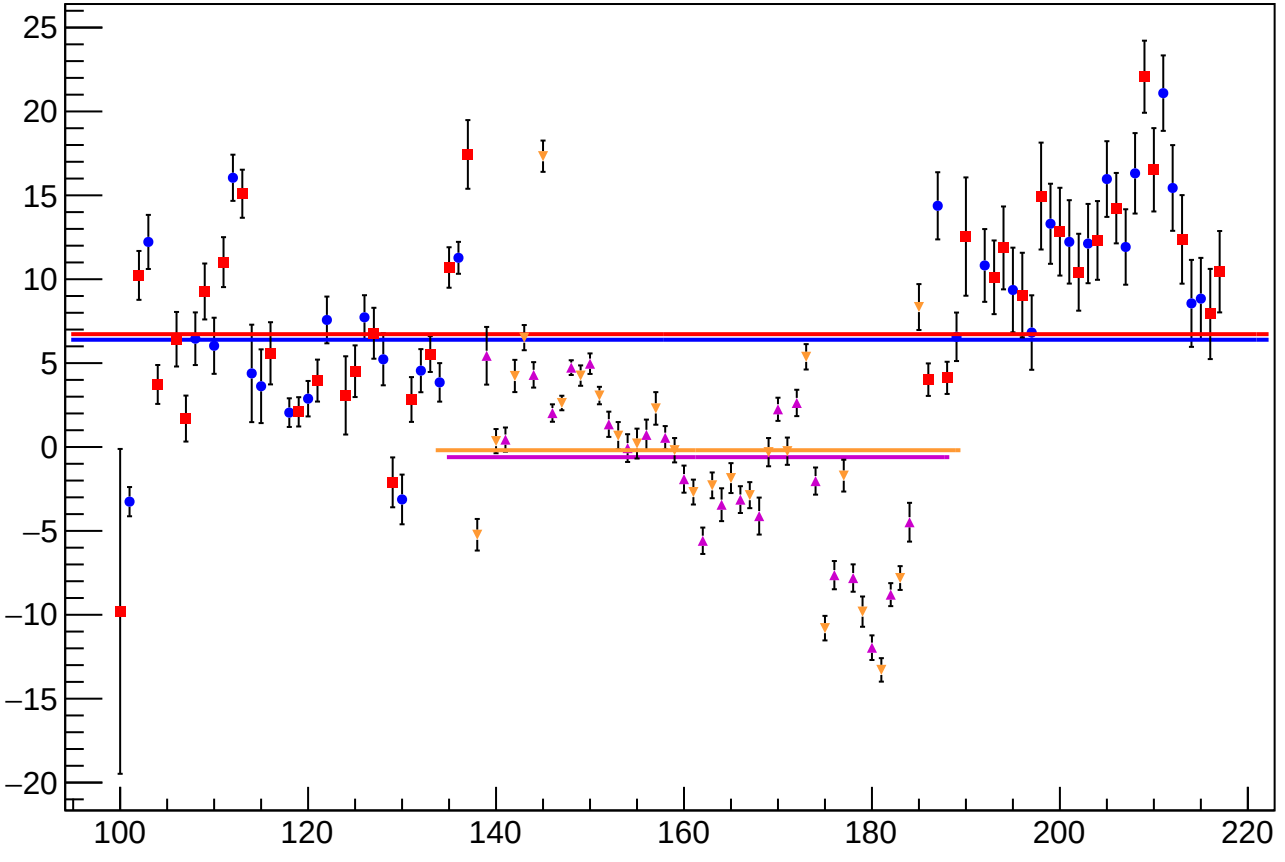
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.920+/-0.155 χ^2/NDF: 9056.5/55

All: -34.035+/-0.109 χ^2/NDF: 19330.3/113

- sign -35.122+/-0.153 χ^2/NDF: 10171.1/57

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.393+/-0.277 χ^2/NDF: 440.4/30

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.725+/-0.268 χ^2/NDF: 327.3/34

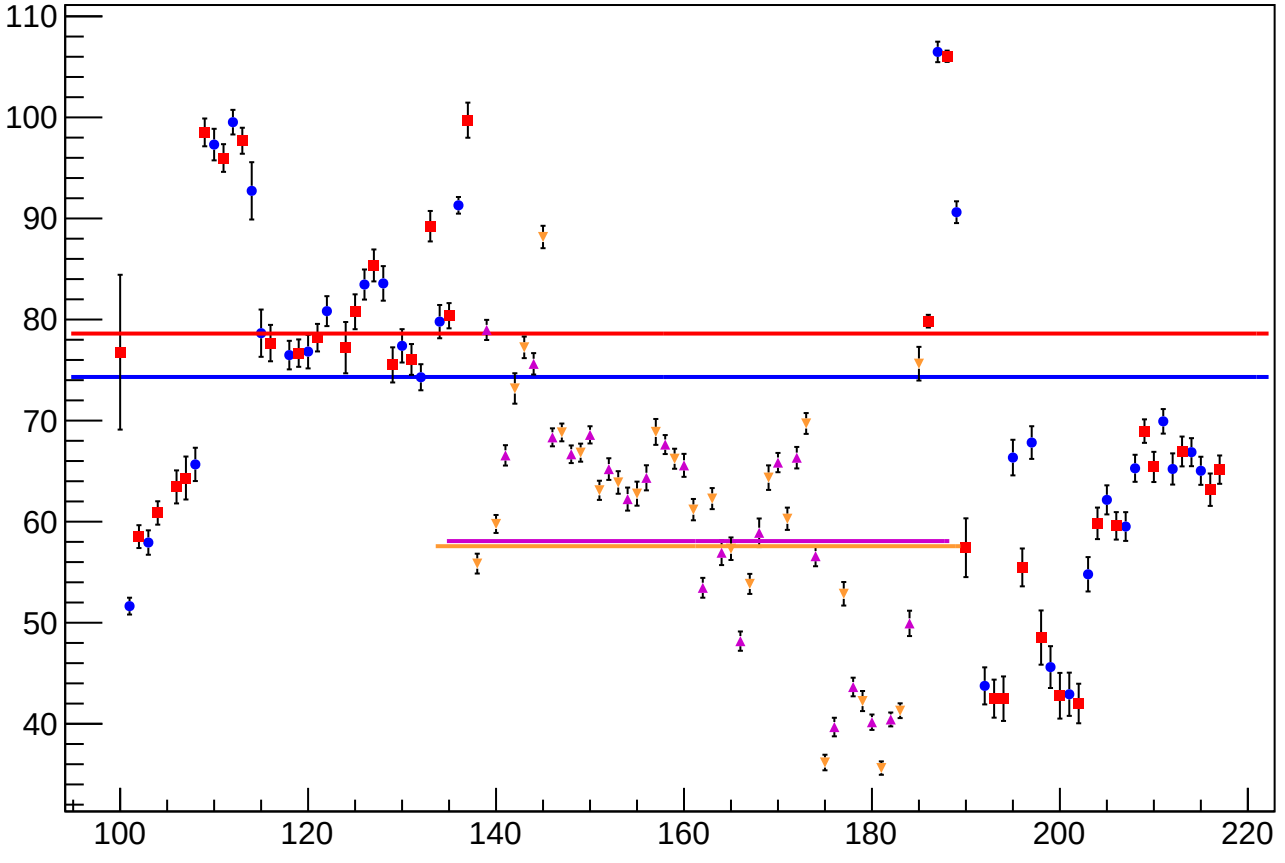
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.306+/-0.132 χ^2/NDF: 2423.6/55

All: 1.274+/-0.094 χ^2/NDF: 4287.3/113

- sign 1.240+/-0.134 χ^2/NDF: 1863.6/57

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 74.317+/-0.249 χ^2/NDF: 4610.5/30

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.612+/-0.229 χ^2/NDF: 6221.9/34

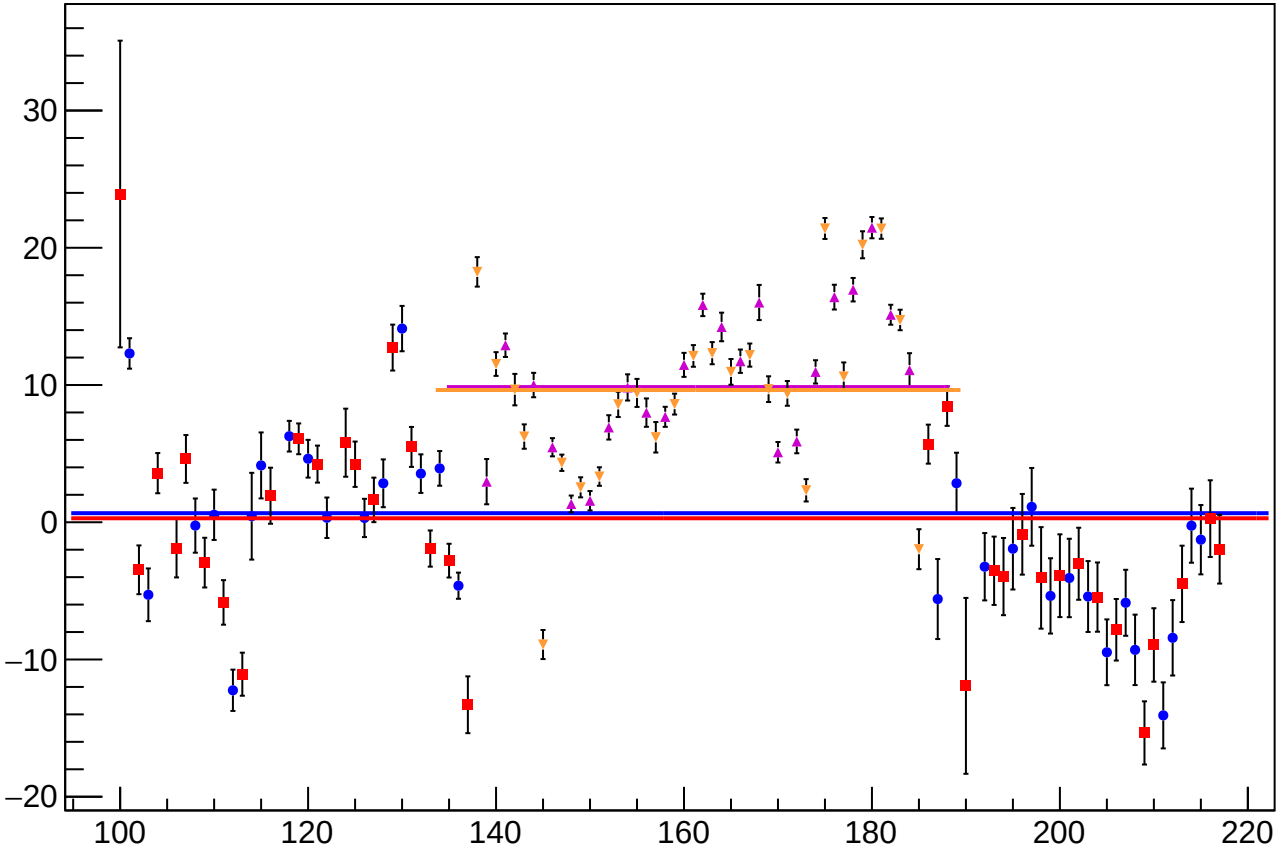
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

\+ sign 64.095+/-0.155 χ^2/NDF: 12054.1/55

All: 65.637+/-0.109 χ^2/NDF: 26509.5/113

\- sign 67.117+/-0.152 χ^2/NDF: 14262.5/57

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.660+/-0.319 χ^2/NDF: 450.1/30

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.289+/-0.315 χ^2/NDF: 398.4/34

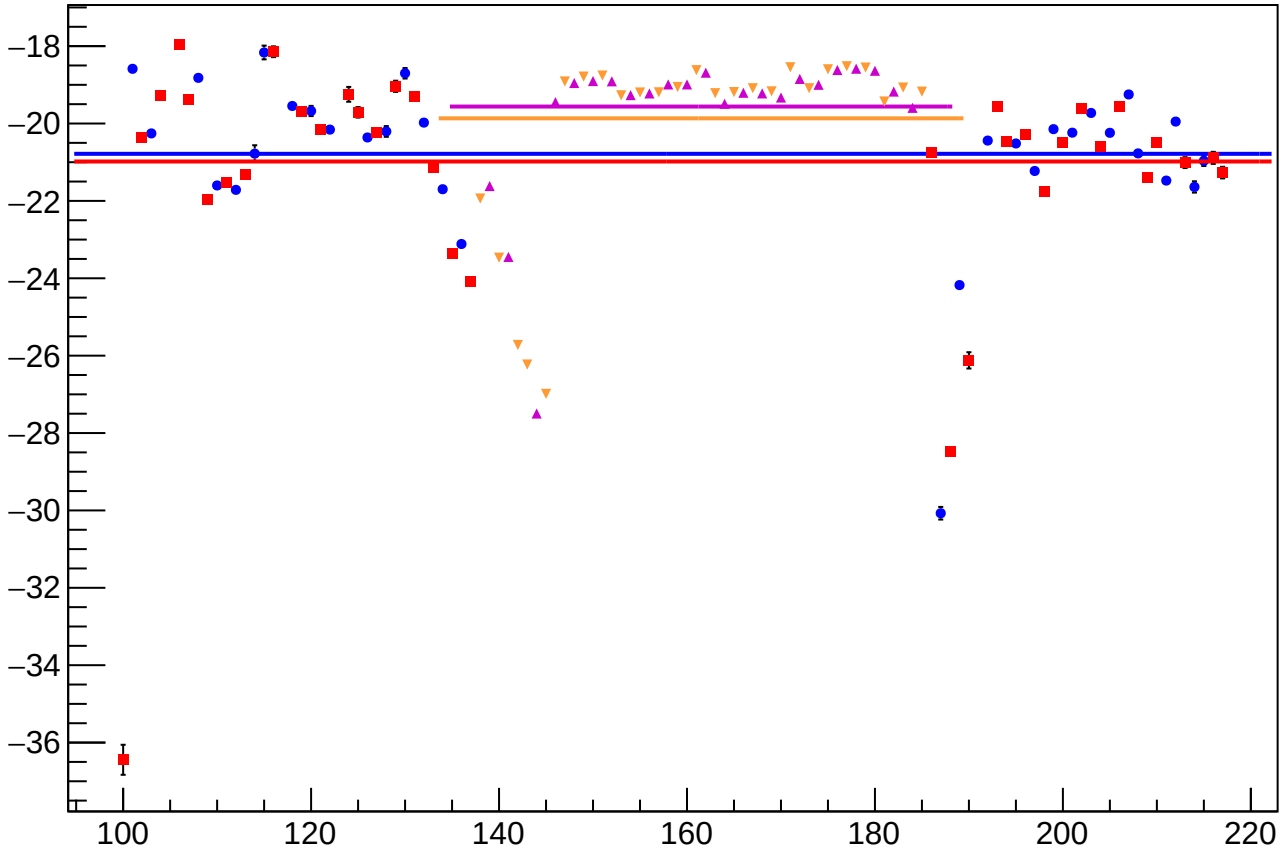
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.627+/-0.151 χ^2/NDF: 2555.4/55

All: 7.600+/-0.108 χ^2/NDF: 4647.0/113

- sign 7.573+/-0.154 χ^2/NDF: 2091.6/57

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.783+/-0.016 χ^2/NDF: 12654.3/30

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.981+/-0.016 χ^2/NDF: 20705.6/34

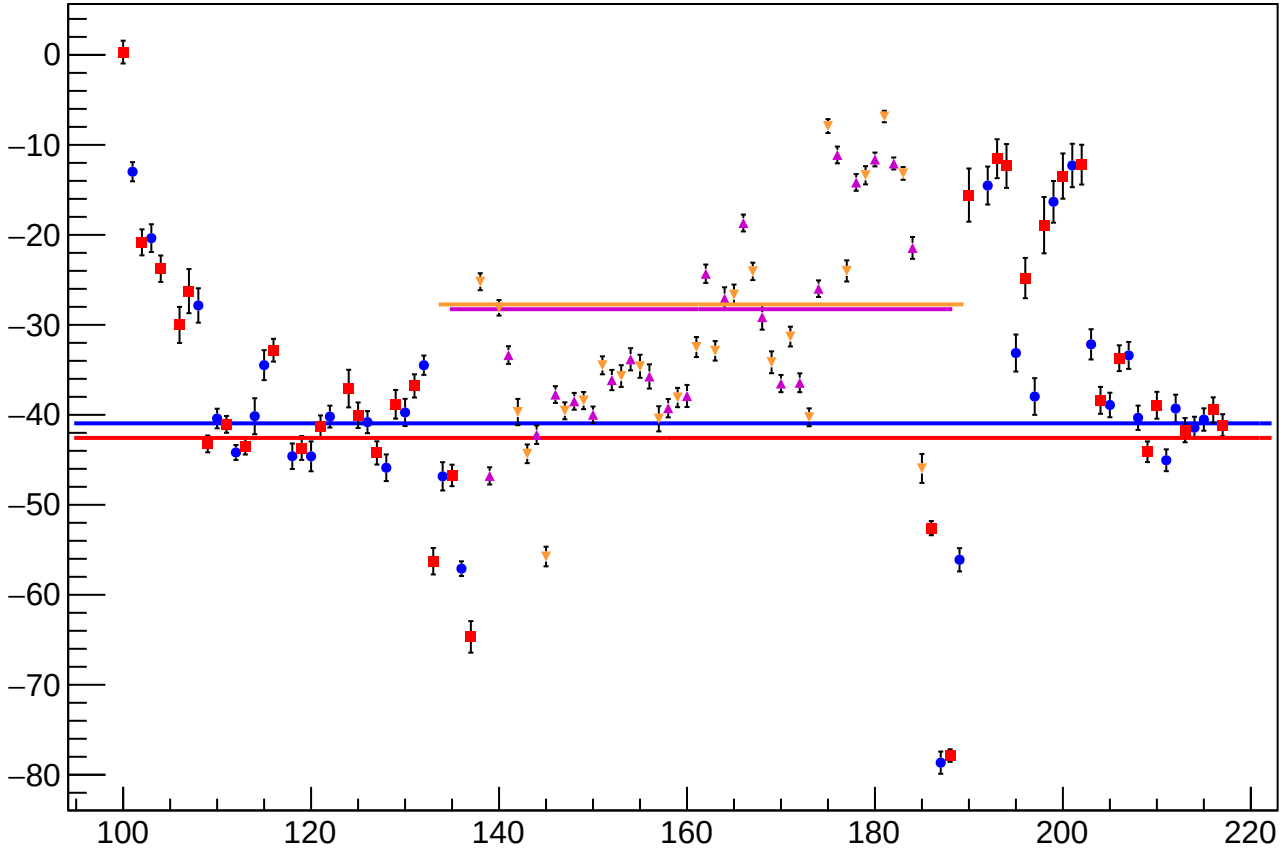
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.053+/-0.007 χ^2/NDF: 94315.5/55

All: -19.954+/-0.005 χ^2/NDF: 167125.5/113

- sign -19.853+/-0.007 χ^2/NDF: 72408.7/57

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.946+/-0.243 χ^2/NDF: 2971.9/30

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.565+/-0.224 χ^2/NDF: 5652.1/34

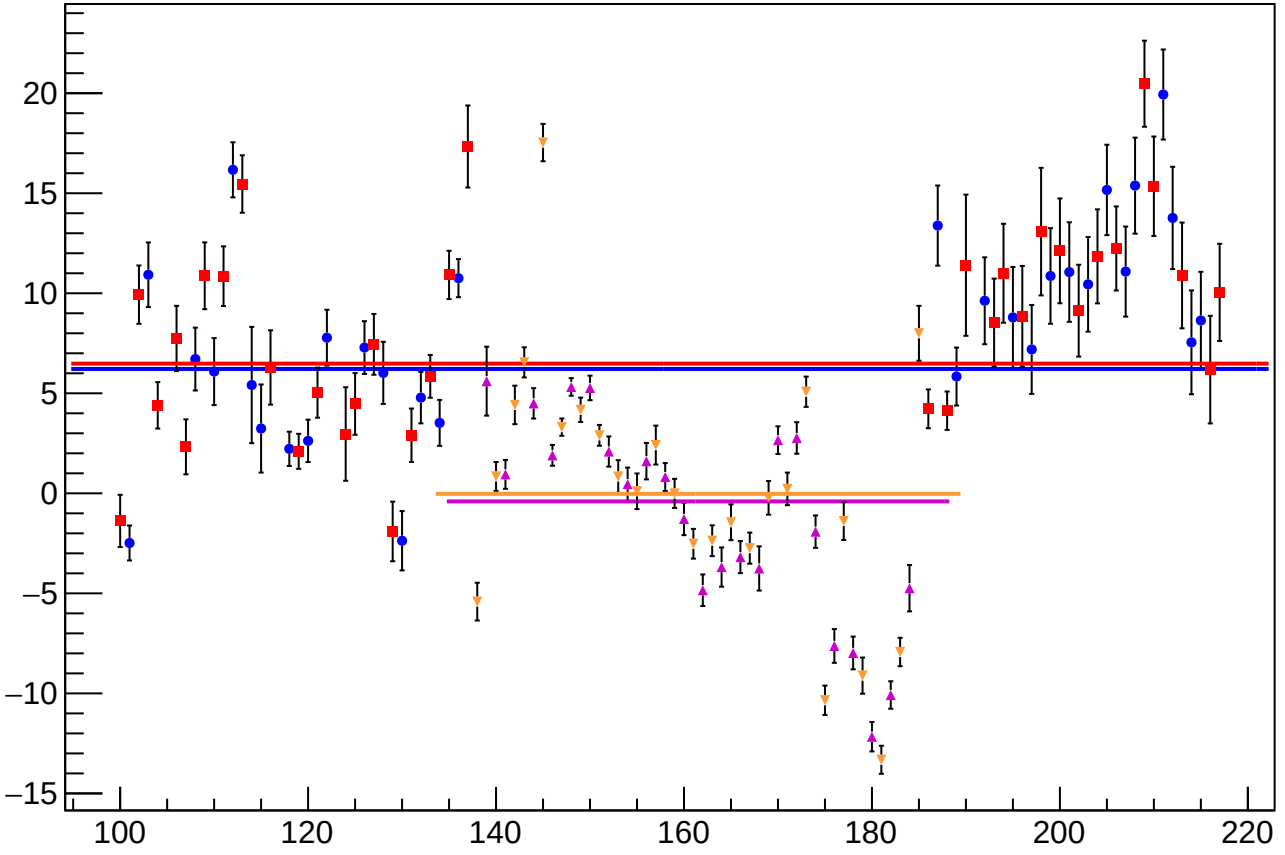
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -33.093+/-0.155 χ^2/NDF: 9030.6/55

All: -33.969+/-0.108 χ^2/NDF: 20123.3/113

- sign -34.812+/-0.152 χ^2/NDF: 11029.8/57

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.216+/-0.277 χ^2/NDF: 369.7/30

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.483+/-0.263 χ^2/NDF: 322.5/34

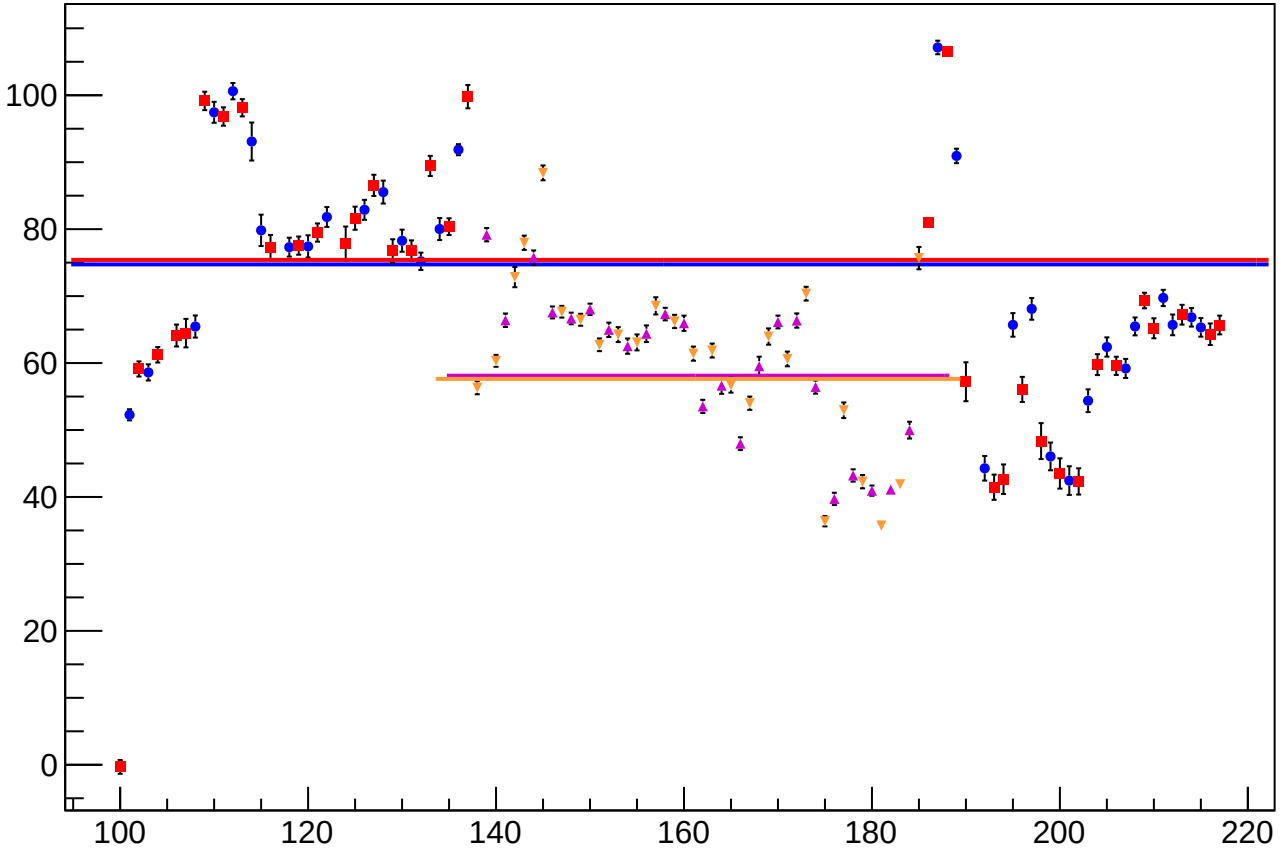
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.394+/-0.132 χ^2/NDF: 2293.8/55

All: 1.389+/-0.094 χ^2/NDF: 4209.8/113

- sign 1.383+/-0.134 χ^2/NDF: 1916.0/57

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 74.735+/-0.249 χ^2/NDF: 4681.8/30

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.409+/-0.224 χ^2/NDF: 11912.5/34

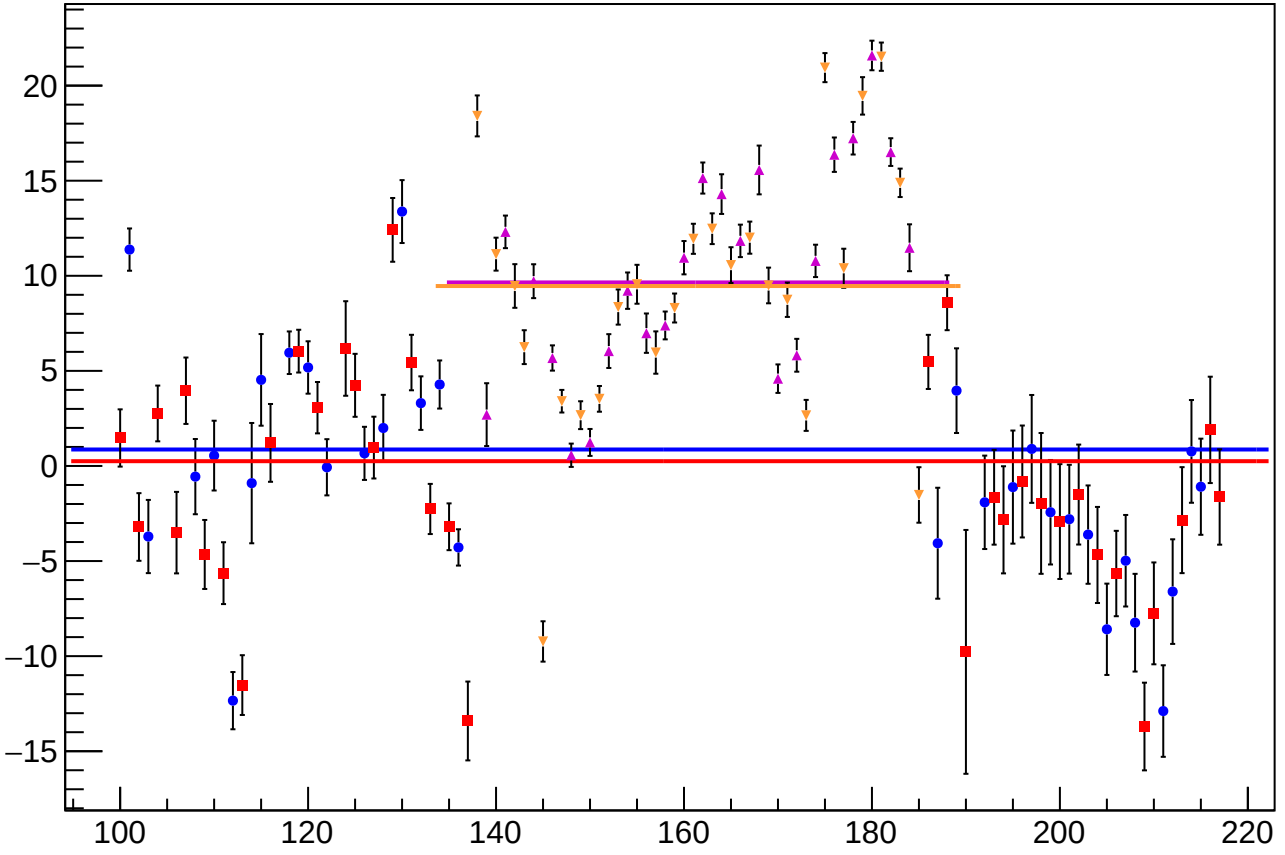
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.298+/-0.156 χ^2/NDF: 12162.4/55

All: 65.142+/-0.108 χ^2/NDF: 30829.0/113

- sign 65.935+/-0.151 χ^2/NDF: 18609.6/57

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.866+/-0.320 χ^2/NDF: 390.5/30

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.251+/-0.309 χ^2/NDF: 365.9/34

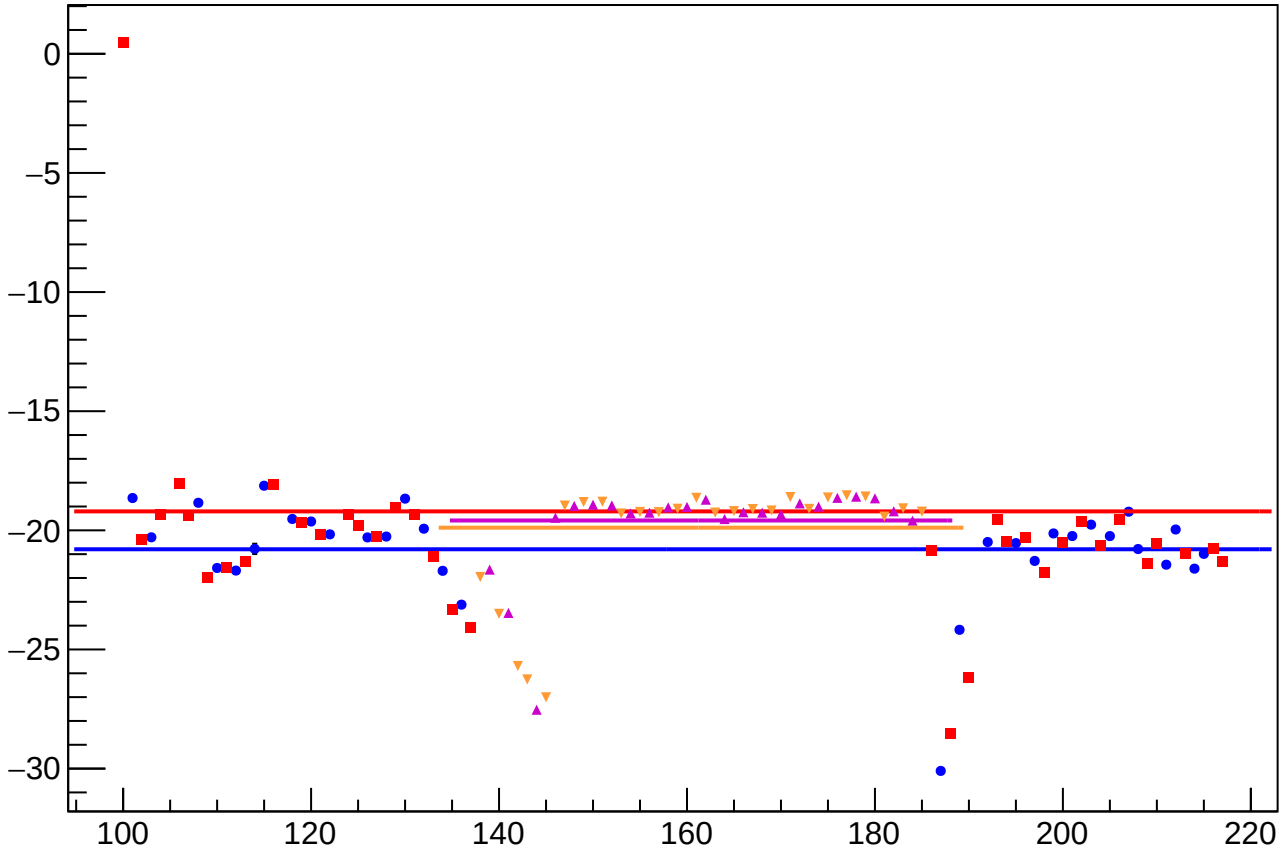
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.537+/-0.151 χ^2/NDF: 2434.8/55

All: 7.439+/-0.108 χ^2/NDF: 4576.8/113

- sign 7.338+/-0.153 χ^2/NDF: 2141.1/57

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.794+/-0.016 χ^2/NDF: 12535.3/30

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.205+/-0.015 χ^2/NDF: 172937.3/34

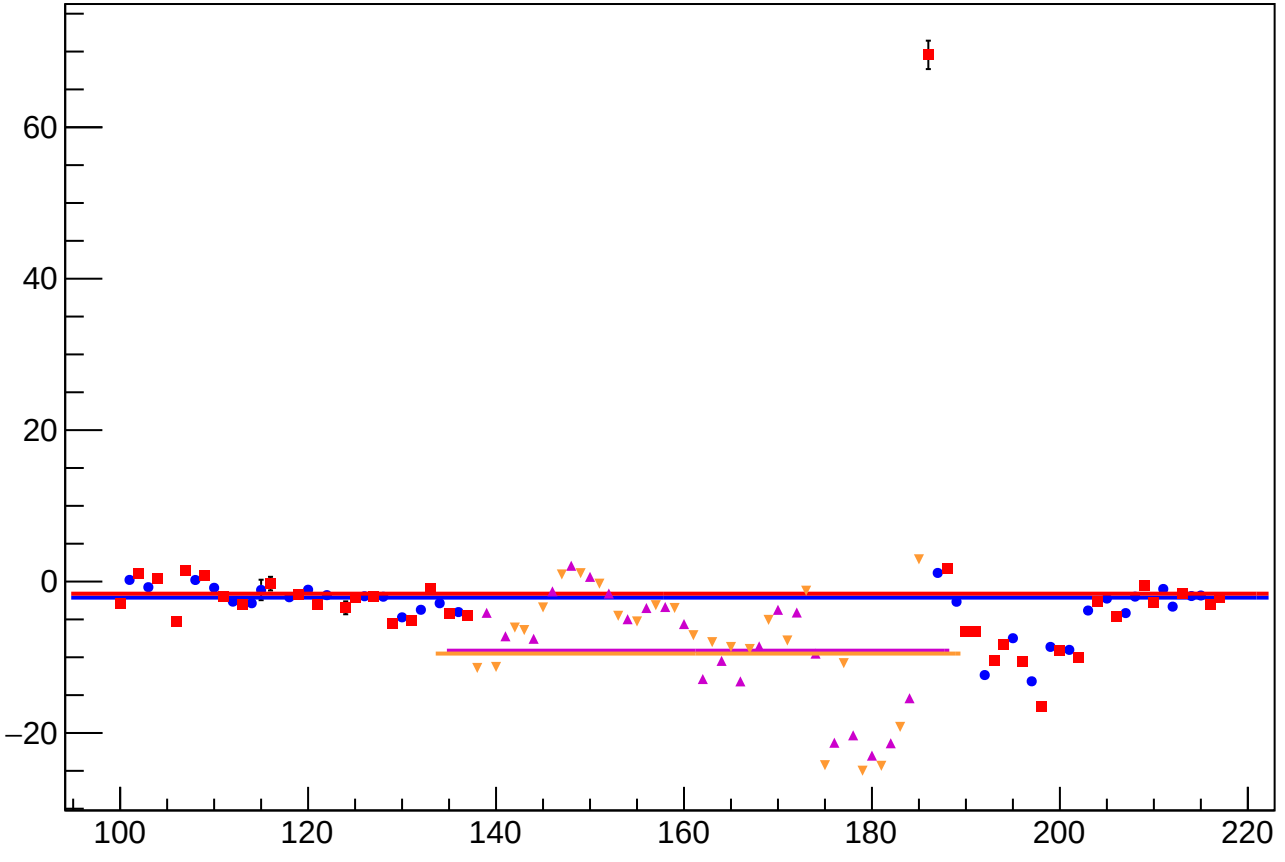
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.073+/-0.007 χ^2/NDF: 93739.1/55

All: -19.788+/-0.005 χ^2/NDF: 315550.5/113

- sign -19.503+/-0.007 χ^2/NDF: 218524.9/57

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.120+/-0.047 χ^2/NDF: 3365.0/30

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.600+/-0.044 χ^2/NDF: 6989.6/35

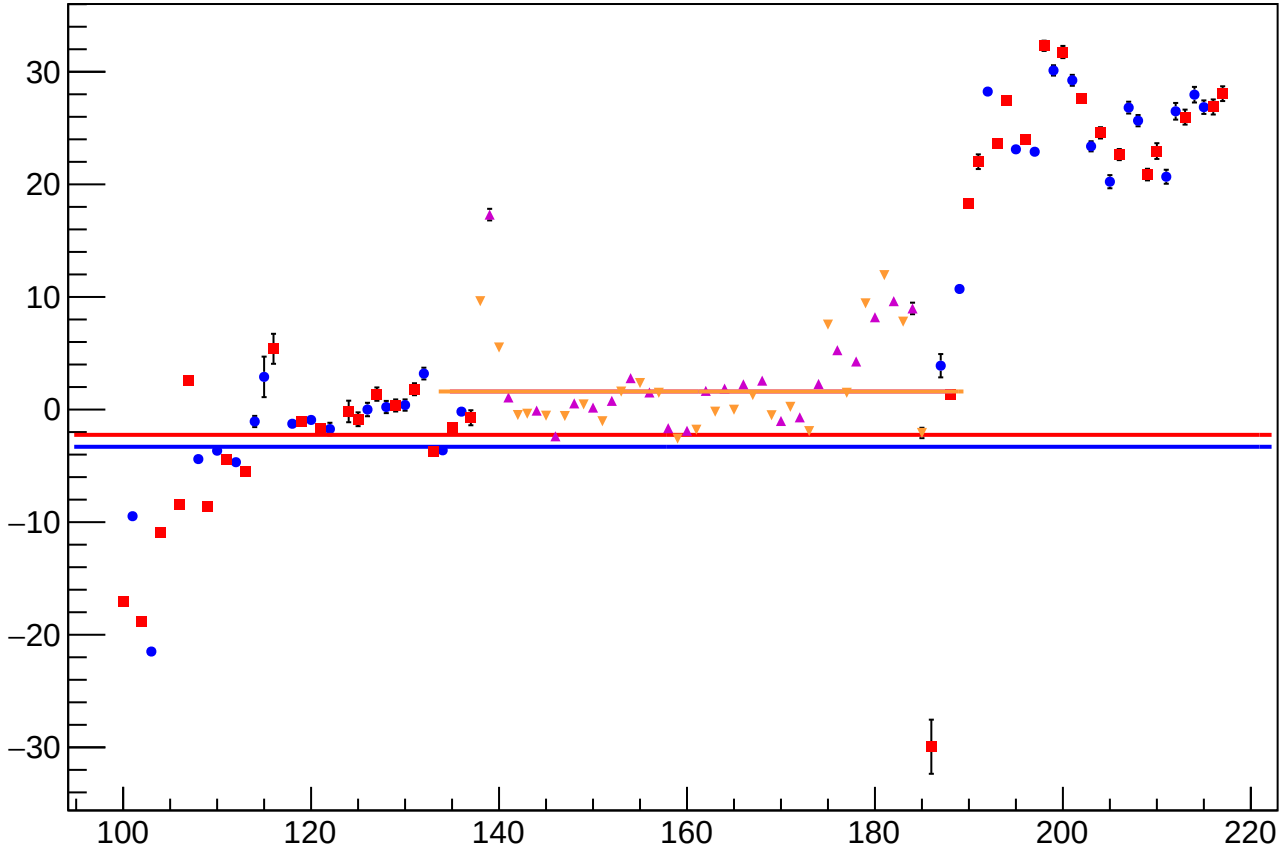
Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.312+/-0.040 χ^2/NDF: 23566.3/55

All: -3.894+/-0.027 χ^2/NDF: 48723.8/114

- sign -3.515+/-0.038 χ^2/NDF: 24944.7/58

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -3.306+/-0.052 χ^2/NDF: 69135.8/30

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.246+/-0.051 χ^2/NDF: 72700.8/35

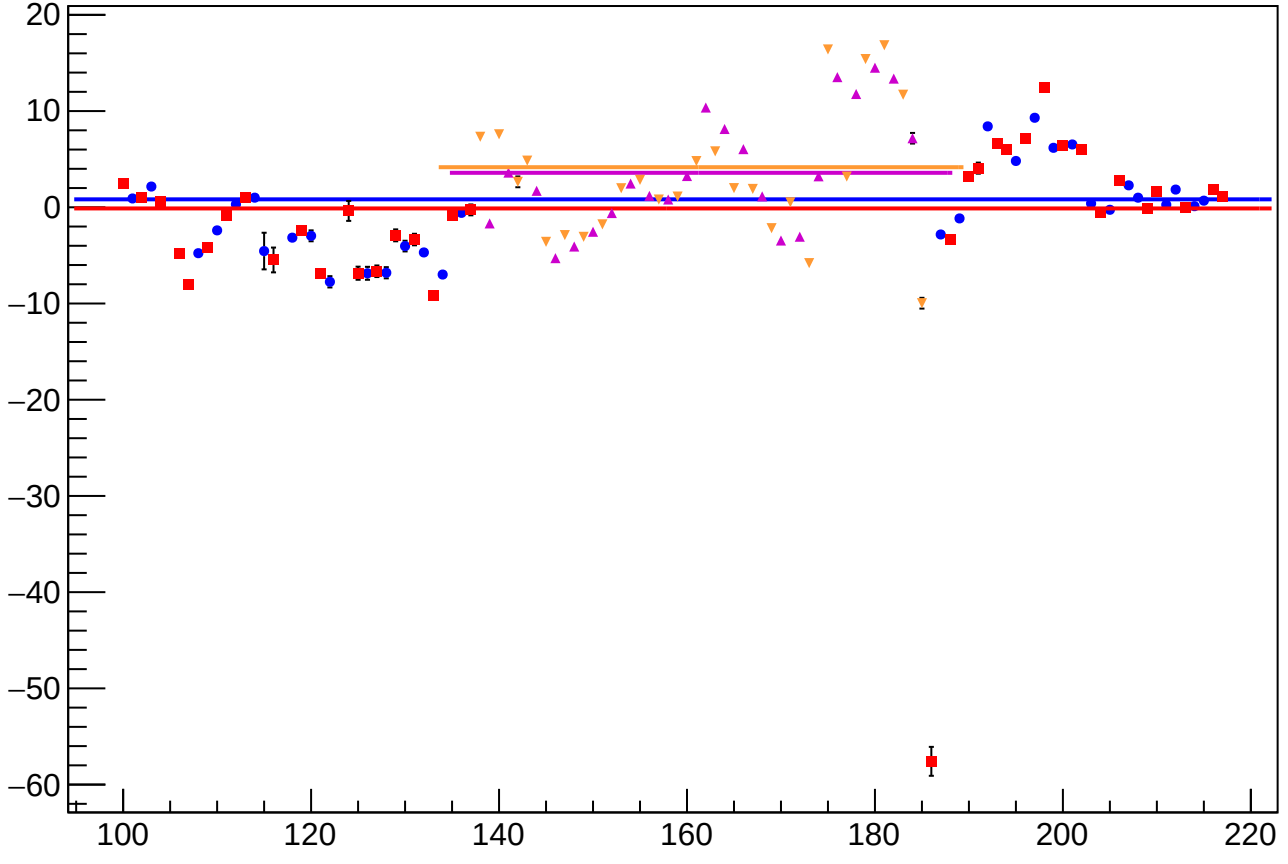
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -0.994+/-0.038 χ^2/NDF: 78008.1/55

All: -0.772+/-0.027 χ^2/NDF: 156922.2/114

- sign -0.543+/-0.038 χ^2/NDF: 78844.0/58

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.827+/-0.046 χ^2/NDF: 4184.9/30

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.119+/-0.044 χ^2/NDF: 8264.3/35

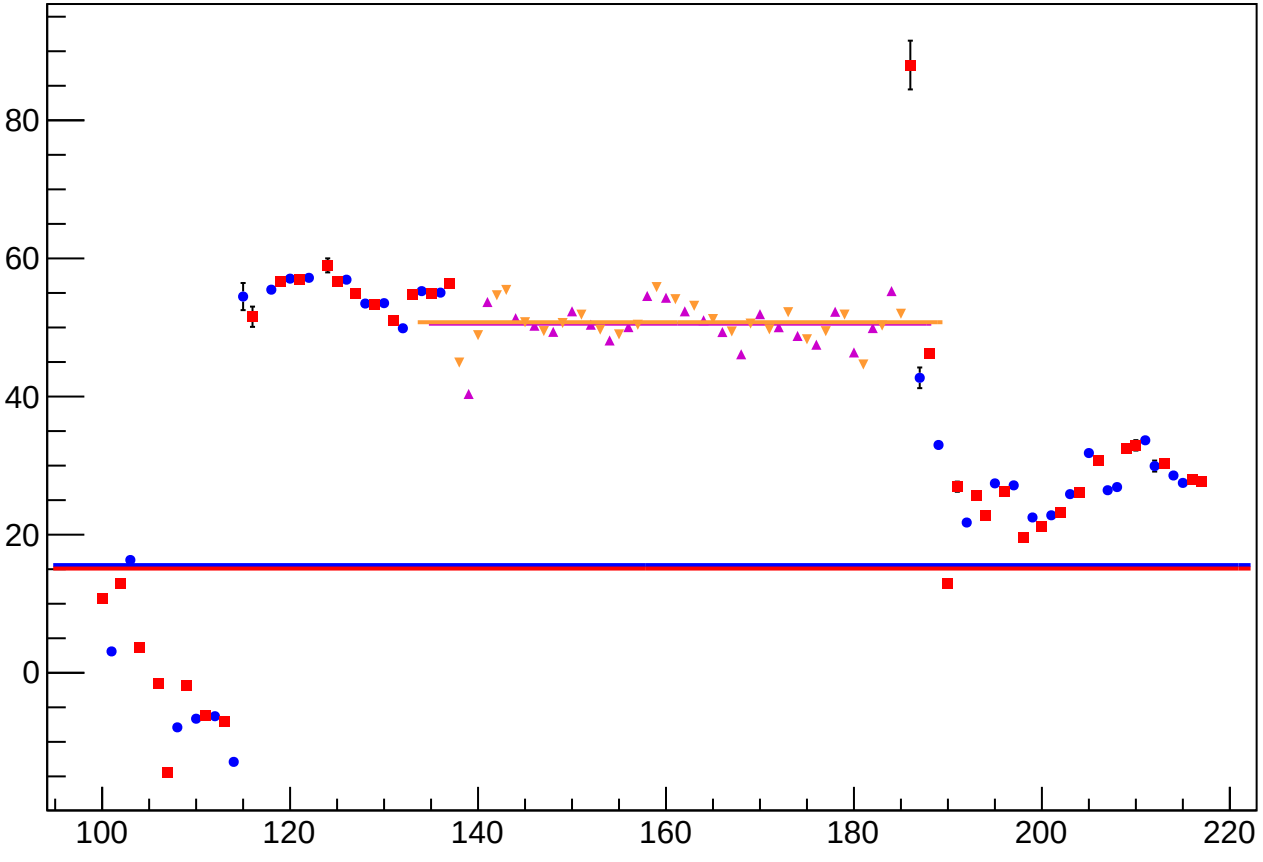
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.783+/-0.039 χ^2/NDF: 14962.6/55

All: 1.313+/-0.027 χ^2/NDF: 32594.1/114

- sign 0.857+/-0.038 χ^2/NDF: 17339.0/58

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.595+/-0.062 χ^2/NDF: 116621.0/30

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.095+/-0.061 χ^2/NDF: 133568.6/35

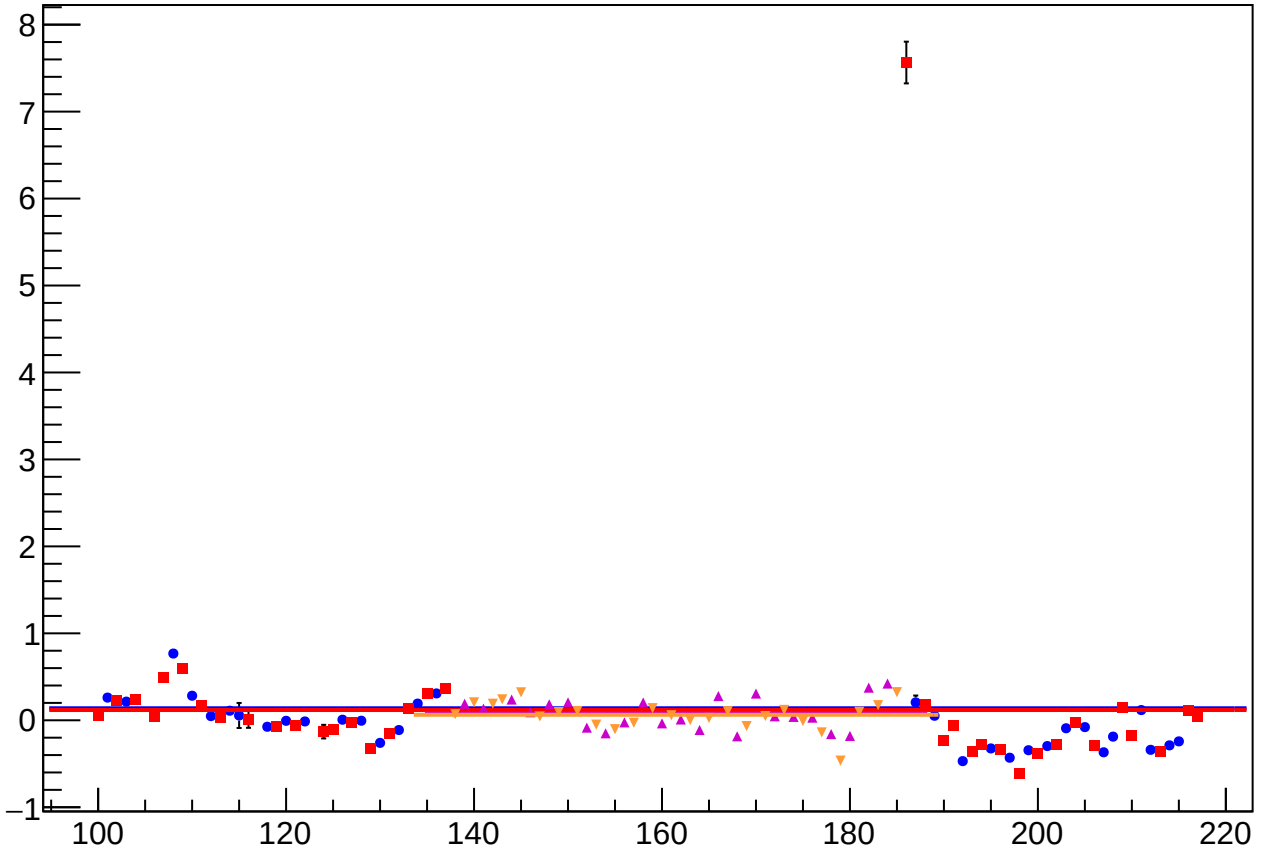
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.943+/-0.044 χ^2/NDF: 279090.4/55

All: 32.315+/-0.031 χ^2/NDF: 574320.8/114

- sign 31.675+/-0.044 χ^2/NDF: 294816.2/58

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.138+/-0.002 χ^2/NDF: 13929.9/30

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.118+/-0.002 χ^2/NDF: 13207.8/35

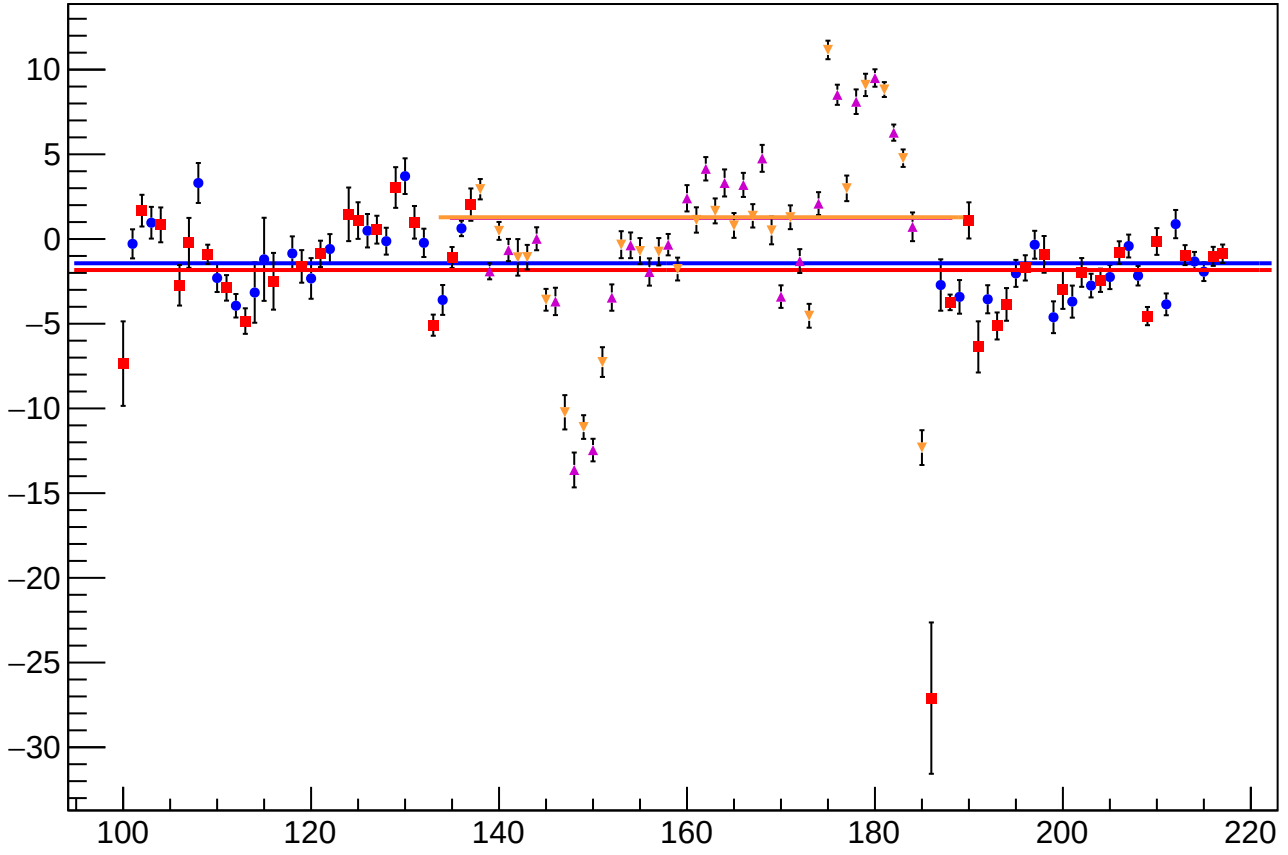
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.106+/-0.002 χ^2/NDF: 16903.5/55

All: 0.104+/-0.001 χ^2/NDF: 33668.5/114

- sign 0.102+/-0.002 χ^2/NDF: 16763.3/58

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.431+/-0.143 χ^2/NDF: 162.4/30

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.830+/-0.133 χ^2/NDF: 269.7/35

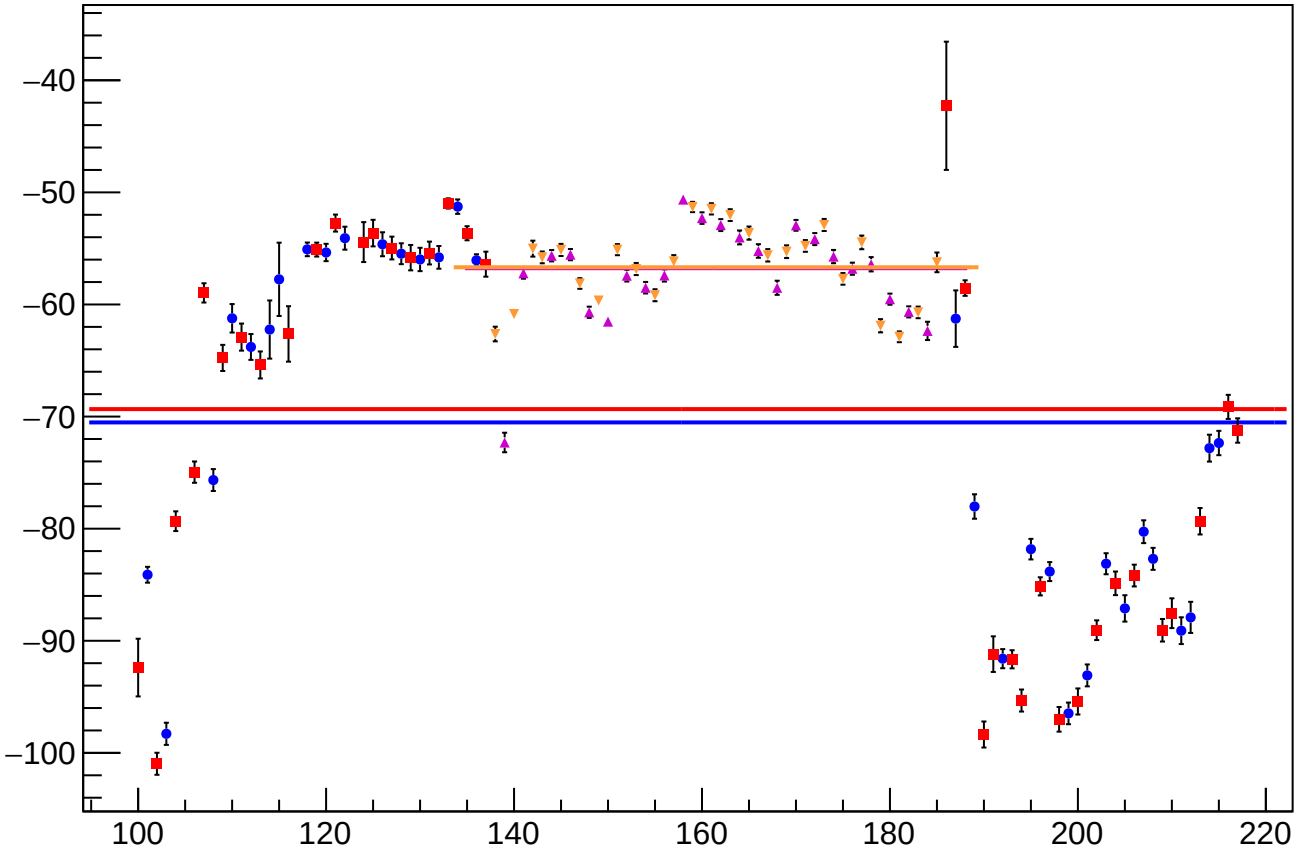
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign -0.016+/-0.099 χ^2/NDF: 2065.8/55

All: -0.198+/-0.069 χ^2/NDF: 4107.2/114

- sign -0.372+/-0.097 χ^2/NDF: 2034.7/58

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.522+/-0.170 χ^2/NDF: 8455.7/30

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.333+/-0.159 χ^2/NDF: 11299.9/35

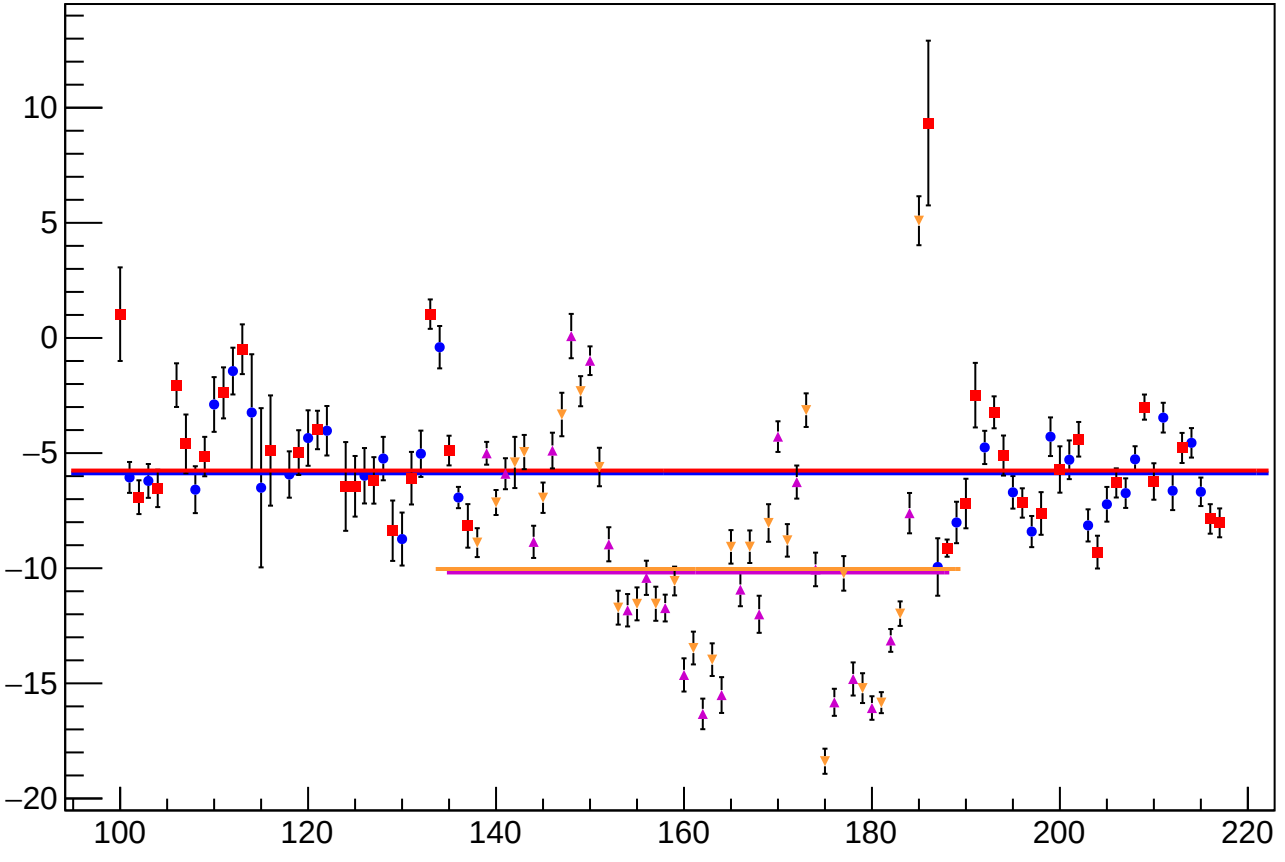
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.615+/-0.091 χ^2/NDF: 14208.4/55

All: -60.772+/-0.064 χ^2/NDF: 30801.4/114

- sign -60.932+/-0.092 χ^2/NDF: 16586.9/58

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.878+/-0.144 χ^2/NDF: 155.3/30

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.759+/-0.134 χ^2/NDF: 405.5/35

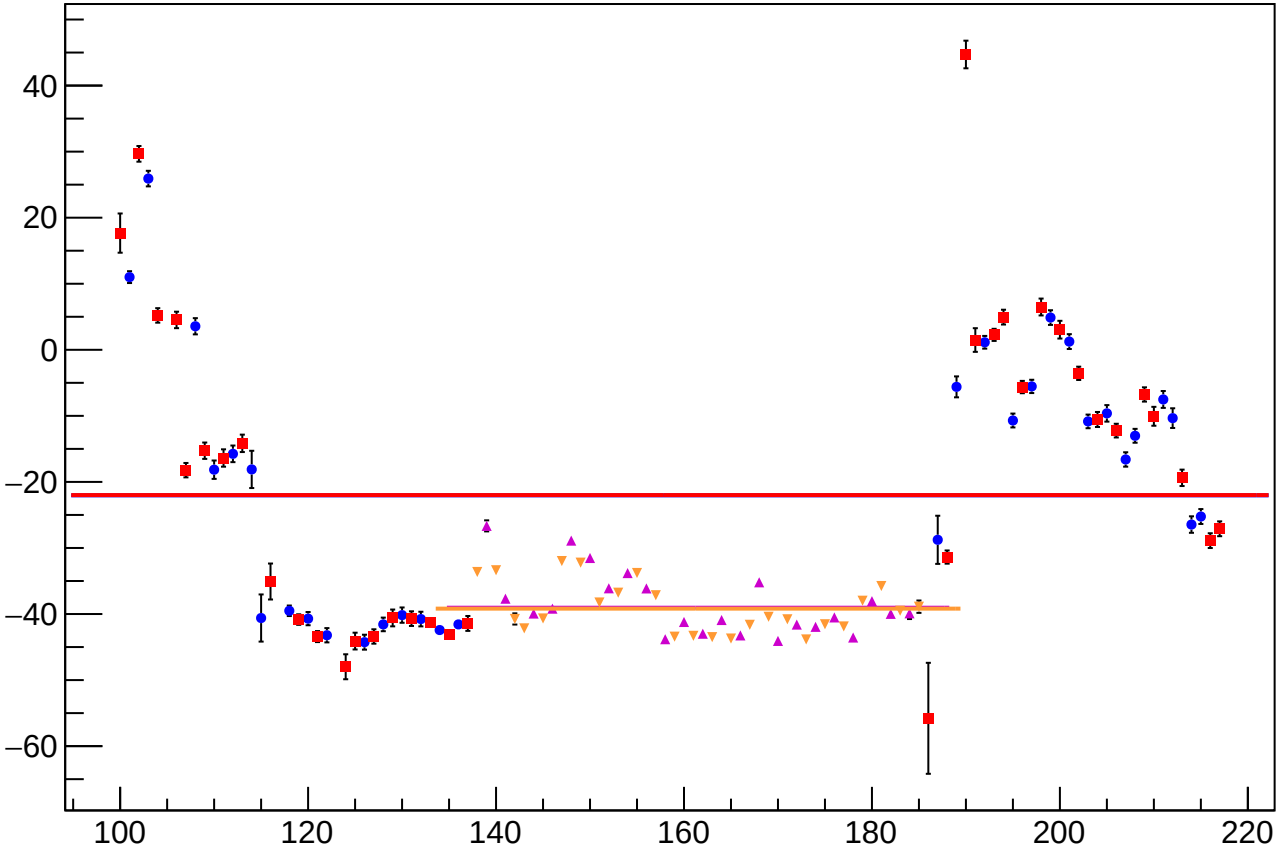
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.077+/-0.099 χ^2/NDF: 1776.0/55

All: -7.984+/-0.069 χ^2/NDF: 3849.2/114

- sign -7.895+/-0.097 χ^2/NDF: 2071.5/58

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.034+/-0.193 χ^2/NDF: 10735.3/30

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.995+/-0.183 χ^2/NDF: 13009.4/35

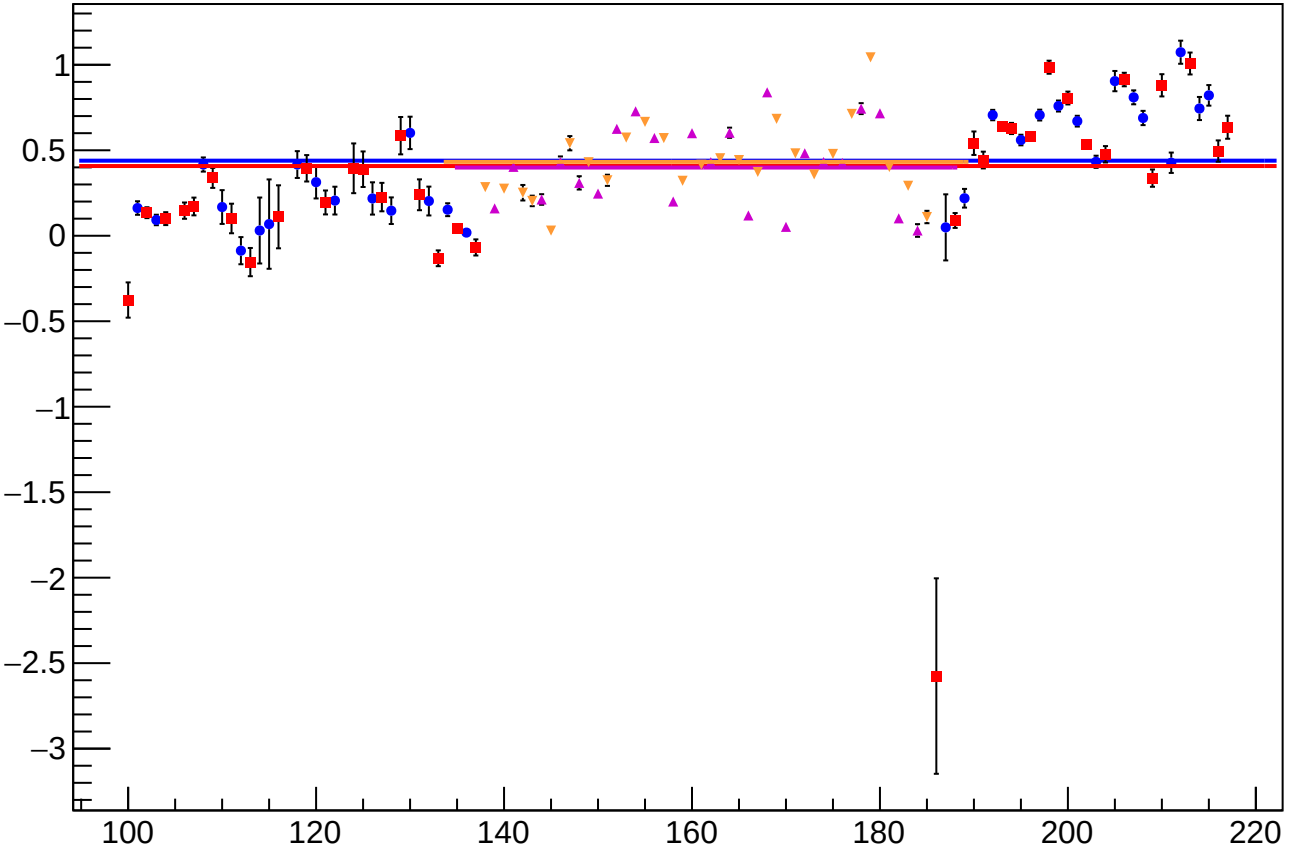
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.389+/-0.102 χ^2/NDF: 17477.9/55

All: -34.032+/-0.072 χ^2/NDF: 37675.1/114

- sign -33.669+/-0.103 χ^2/NDF: 20172.5/58

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.439+/-0.008 χ^2/NDF: 1378.9/30

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.408+/-0.008 χ^2/NDF: 1697.9/35

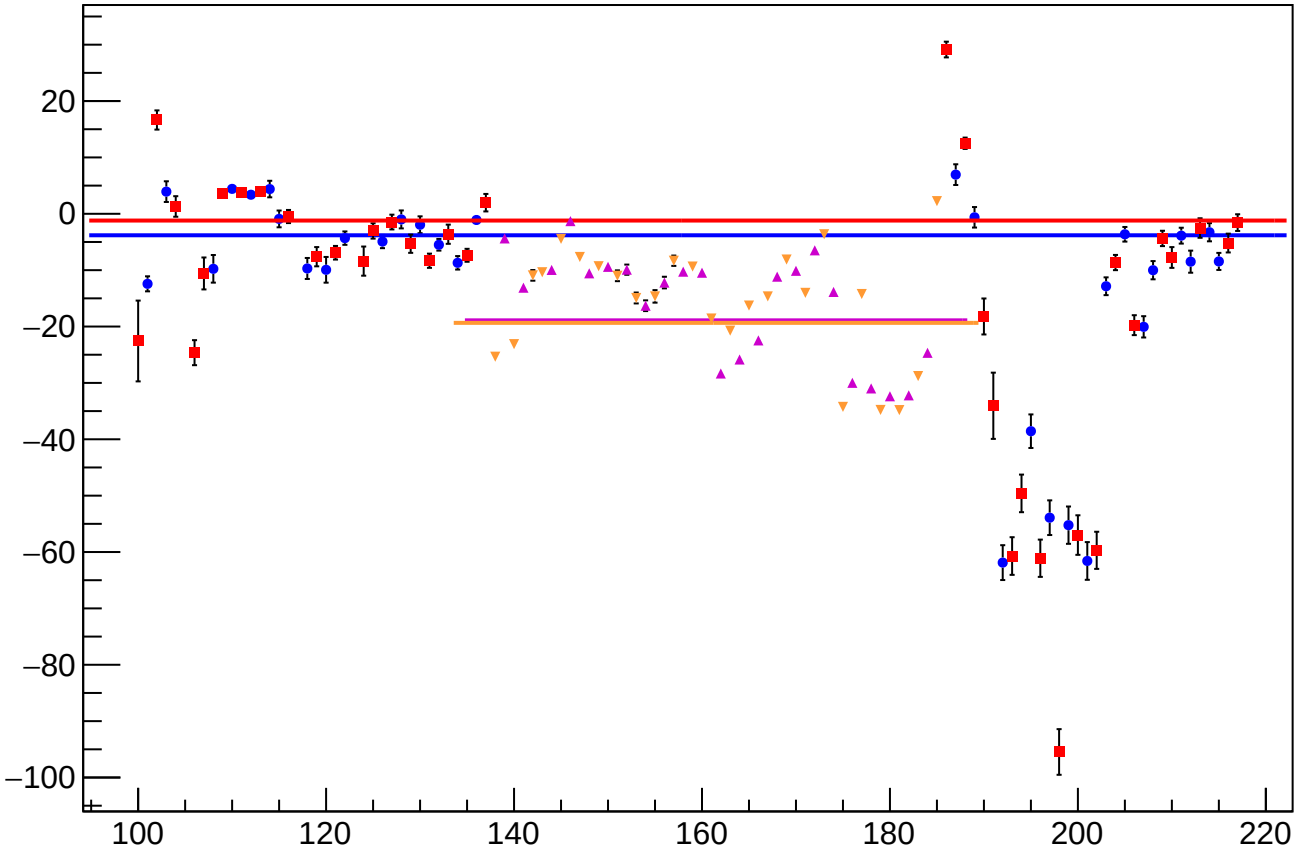
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.434+/-0.004 χ^2/NDF: 2748.1/55

All: 0.418+/-0.003 χ^2/NDF: 6397.7/114

- sign 0.402+/-0.004 χ^2/NDF: 3622.5/58

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.811+/-0.242 χ^2/NDF: 1894.2/30

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.198+/-0.229 χ^2/NDF: 3400.2/35

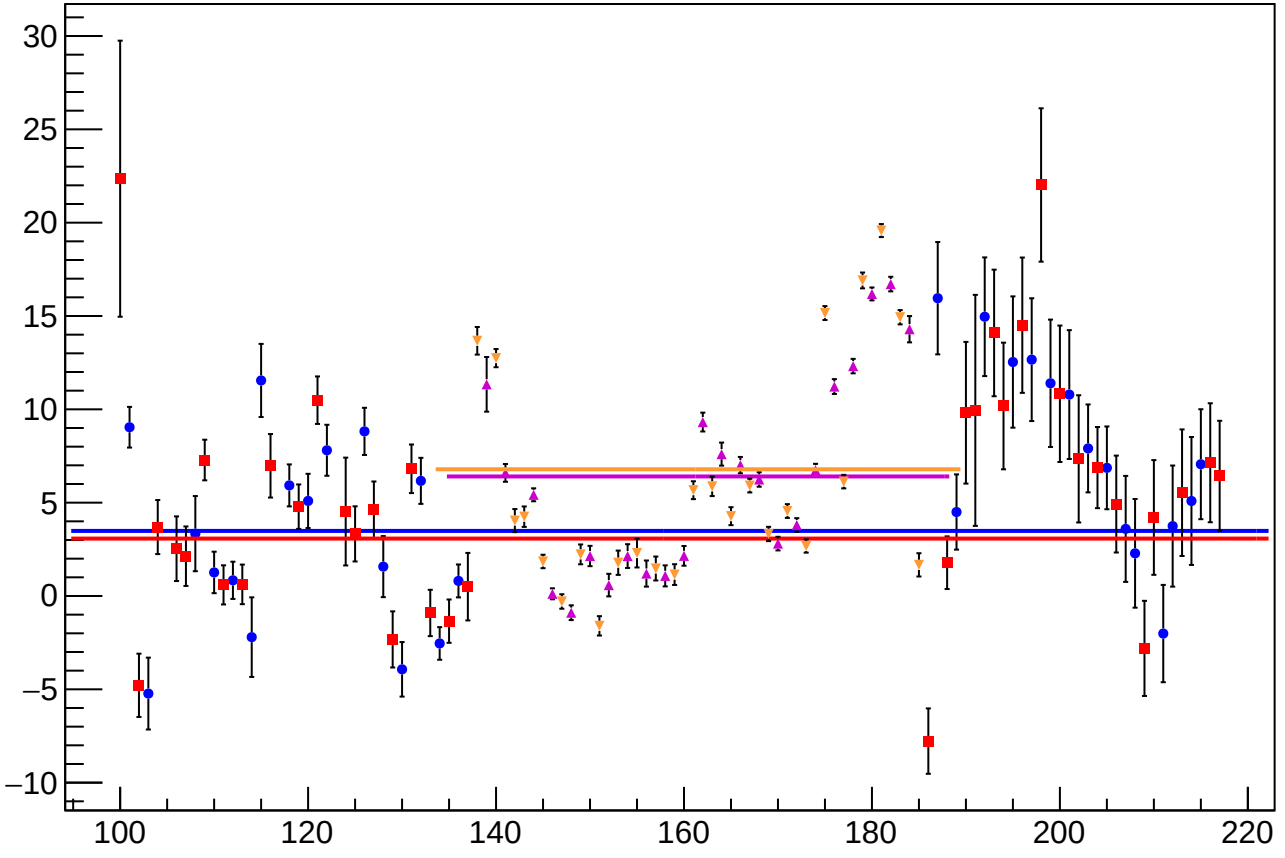
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.554+/-0.103 χ^2/NDF: 15665.3/55

All: -15.920+/-0.073 χ^2/NDF: 32190.1/114

- sign -15.274+/-0.104 χ^2/NDF: 16447.8/58

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.487+/-0.288 χ^2/NDF: 270.9/30

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.076+/-0.289 χ^2/NDF: 253.8/35

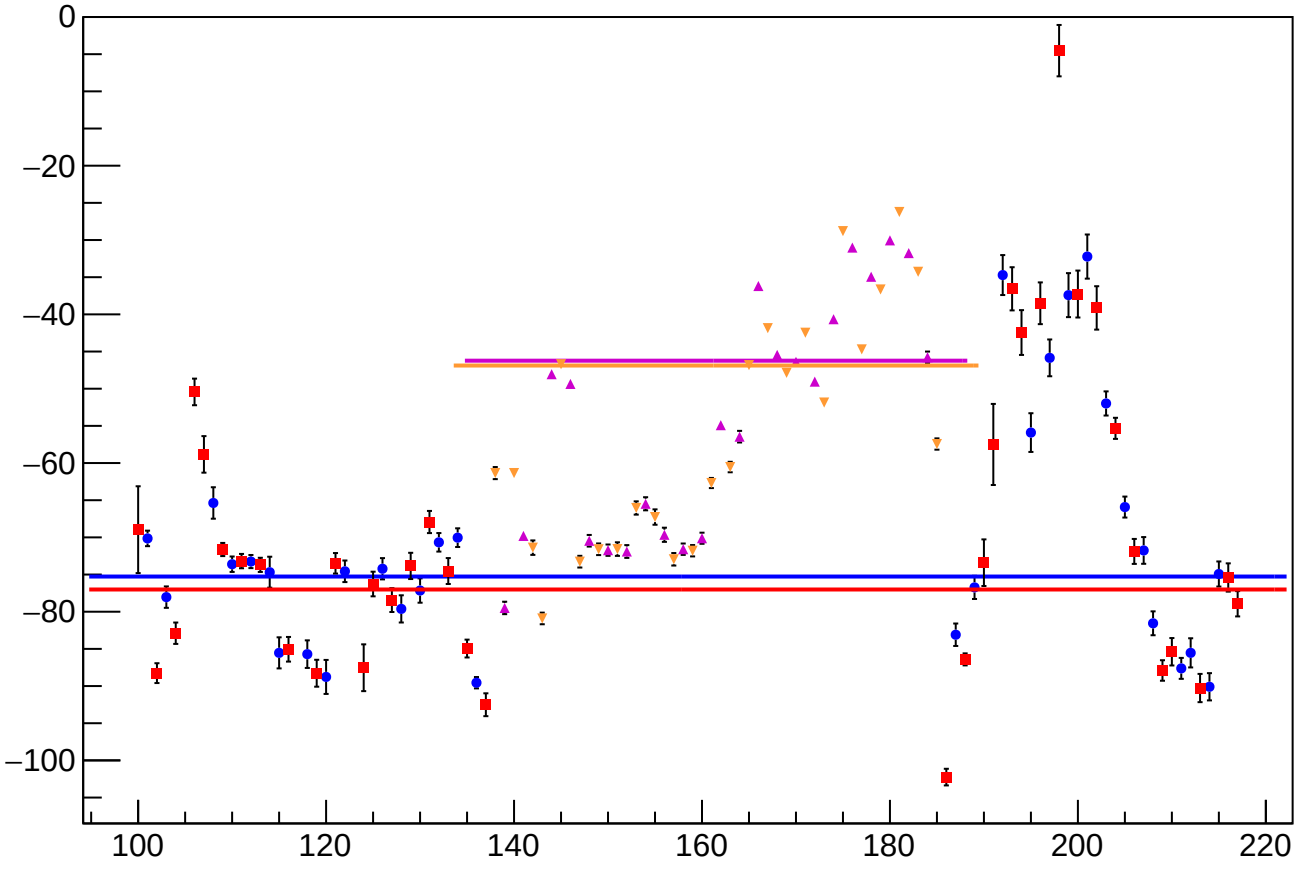
Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.494+/-0.086 χ^2/NDF: 5023.0/55

All: 6.301+/-0.061 χ^2/NDF: 8817.8/114

- sign 6.103+/-0.087 χ^2/NDF: 3784.6/58

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -75.268+/-0.268 χ^2/NDF: 1799.6/30

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

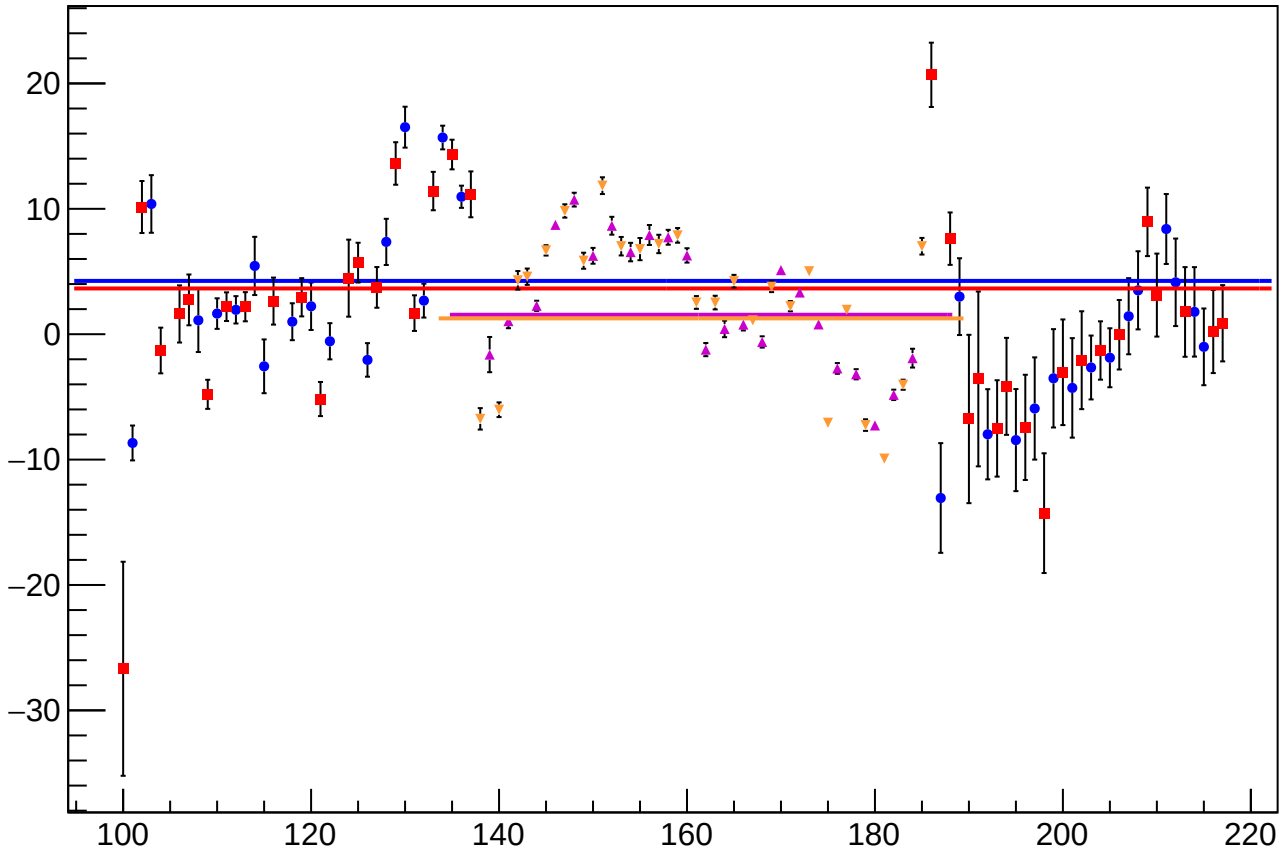
Right Out: -77.011+/-0.259 χ^2/NDF: 3012.7/35

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -51.222+/-0.105 χ^2/NDF: 29268.9/55

All: -51.314+/-0.075 χ^2/NDF: 59239.9/114

- sign -51.408+/-0.106 χ^2/NDF: 29969.5/58



Right In: 4.252+/-0.323 χ^2/NDF: 491.3/30

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.648+/-0.329 χ^2/NDF: 393.6/35

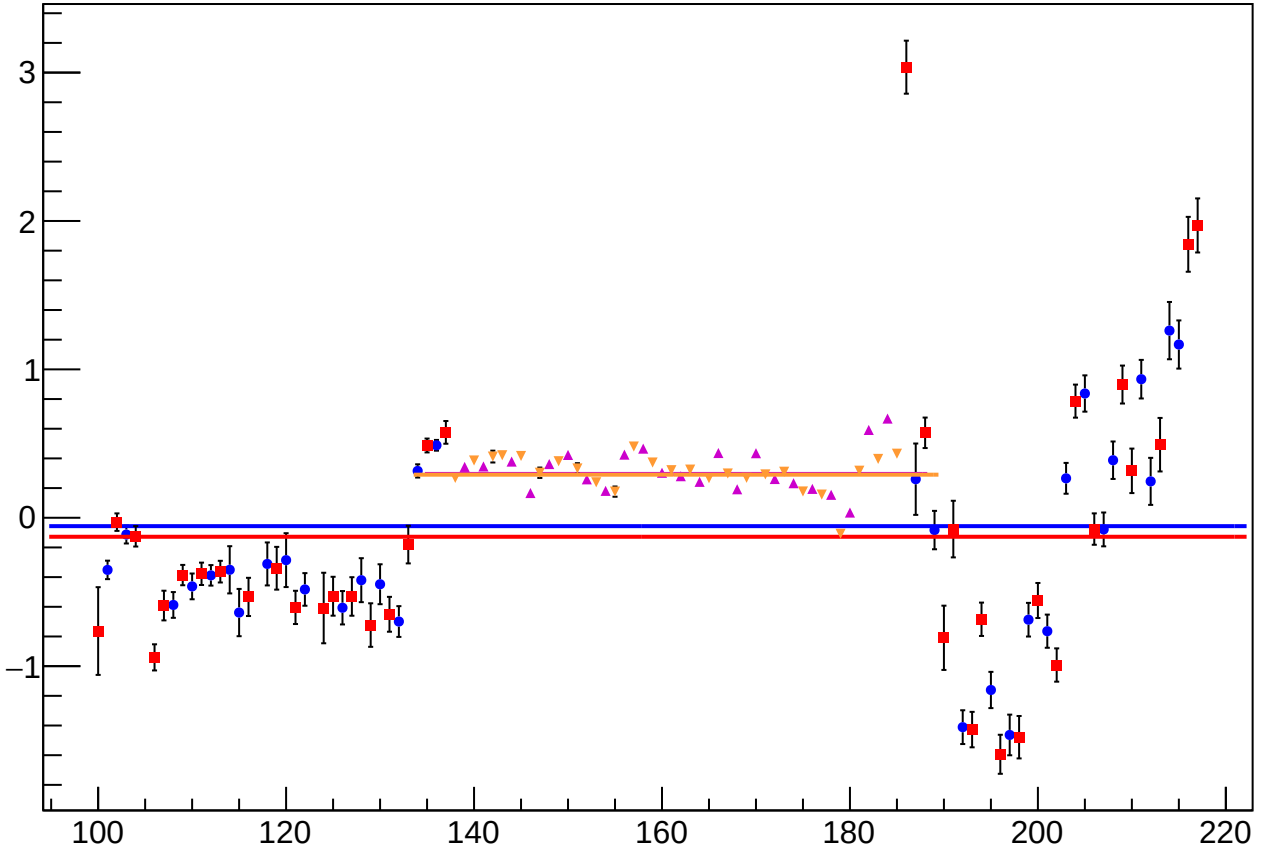
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.525+/-0.096 χ^2/NDF: 4015.2/55

All: 1.629+/-0.068 χ^2/NDF: 6784.0/114

- sign 1.735+/-0.097 χ^2/NDF: 2766.4/58

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.056+/-0.016 χ^2/NDF: 1157.4/30

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.128+/-0.017 χ^2/NDF: 1694.5/35

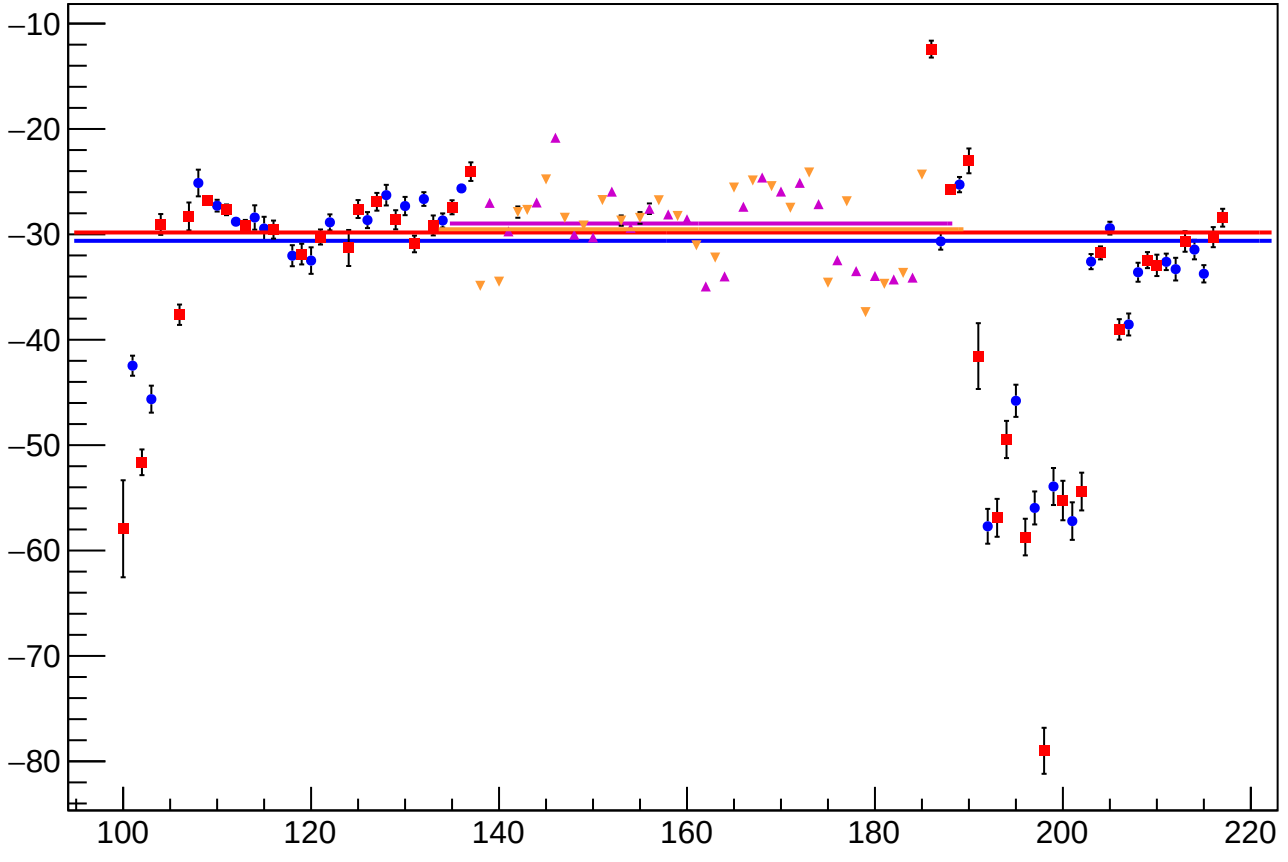
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.266+/-0.004 χ^2/NDF: 2289.2/55

All: 0.267+/-0.003 χ^2/NDF: 5587.5/114

- sign 0.267+/-0.004 χ^2/NDF: 3298.3/58

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.613+/-0.147 χ^2/NDF: 1783.9/30

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.821+/-0.142 χ^2/NDF: 2808.8/35

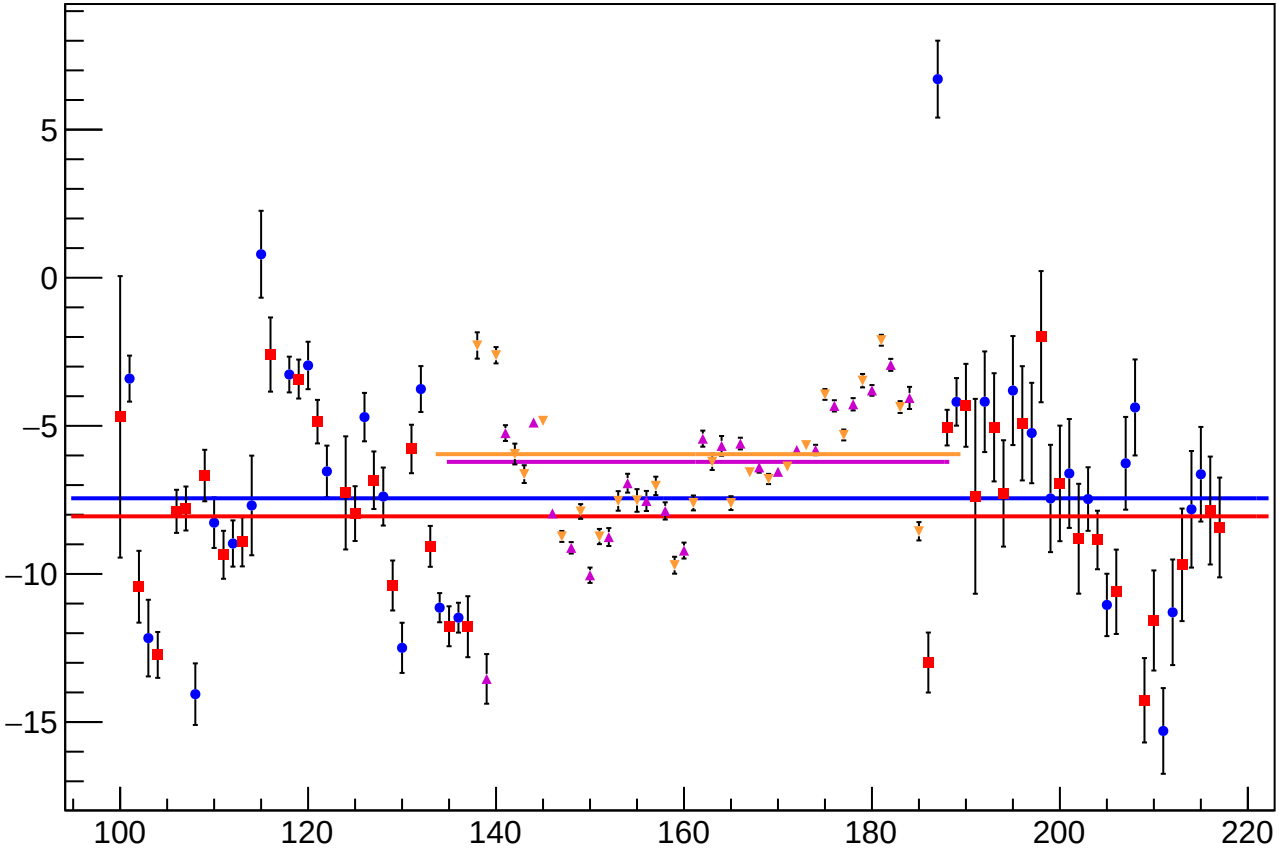
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.656+/-0.053 χ^2/NDF: 7920.8/55

All: -29.374+/-0.037 χ^2/NDF: 16167.0/114

- sign -29.089+/-0.053 χ^2/NDF: 8188.3/58

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.446+/-0.171 χ^2/NDF: 582.2/30

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.056+/-0.169 χ^2/NDF: 294.7/35

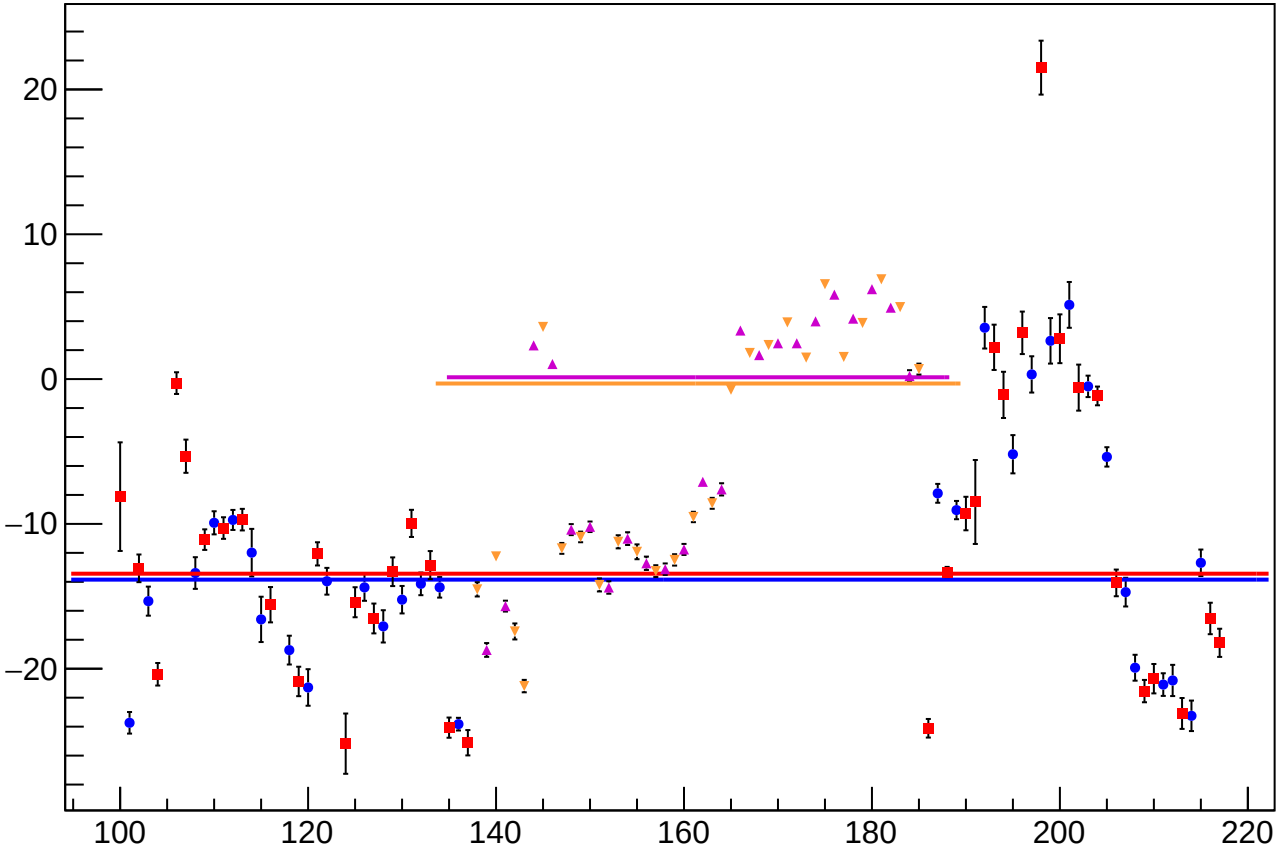
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.050+/-0.043 χ^2/NDF: 2510.9/55

All: -6.193+/-0.030 χ^2/NDF: 4680.5/114

- sign -6.335+/-0.043 χ^2/NDF: 2147.6/58

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.849+/-0.156 χ^2/NDF: 2287.1/30

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.439+/-0.148 χ^2/NDF: 2748.6/35

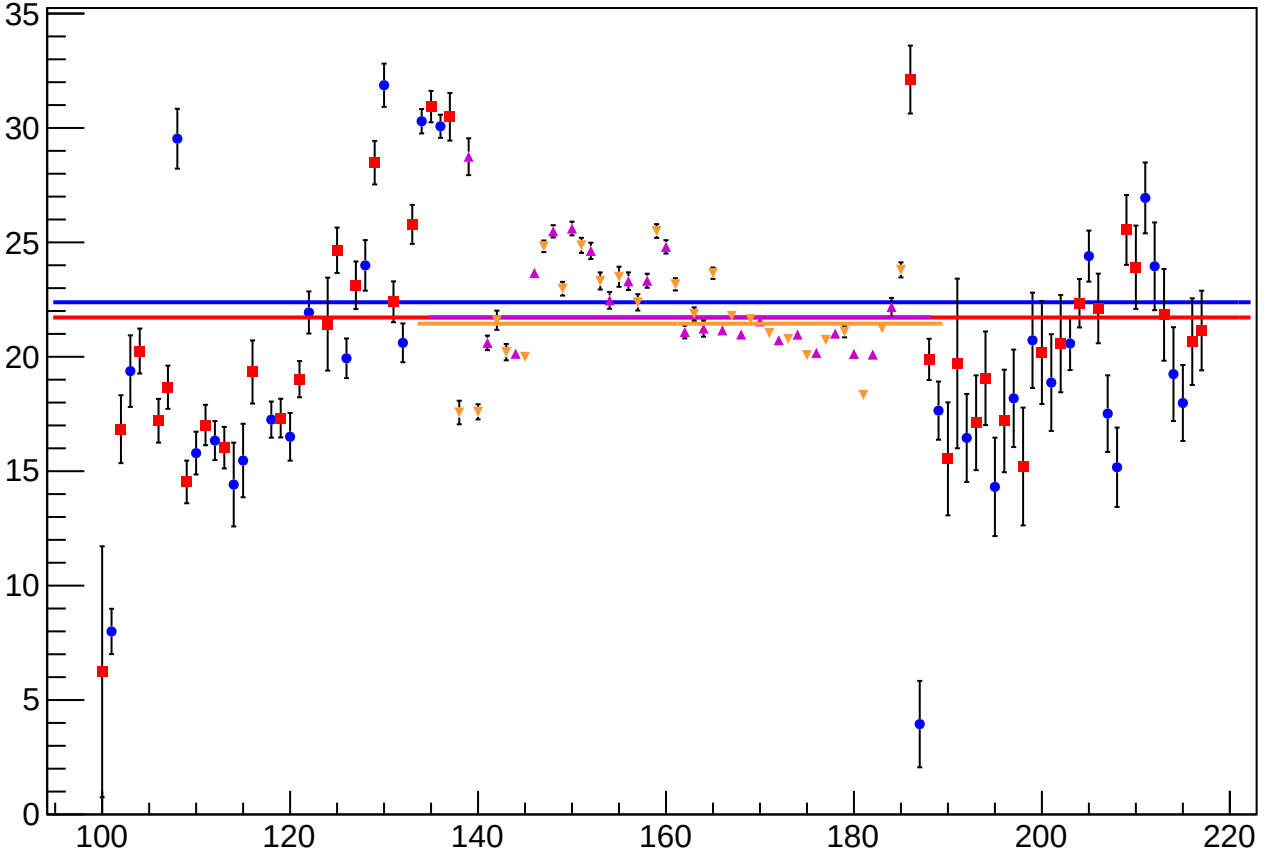
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.879+/-0.053 χ^2/NDF: 26130.1/55

All: -1.750+/-0.038 χ^2/NDF: 50015.0/114

- sign -1.620+/-0.053 χ^2/NDF: 23873.1/58

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.383+/-0.194 χ^2/NDF: 1212.9/30

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.718+/-0.196 χ^2/NDF: 644.4/35

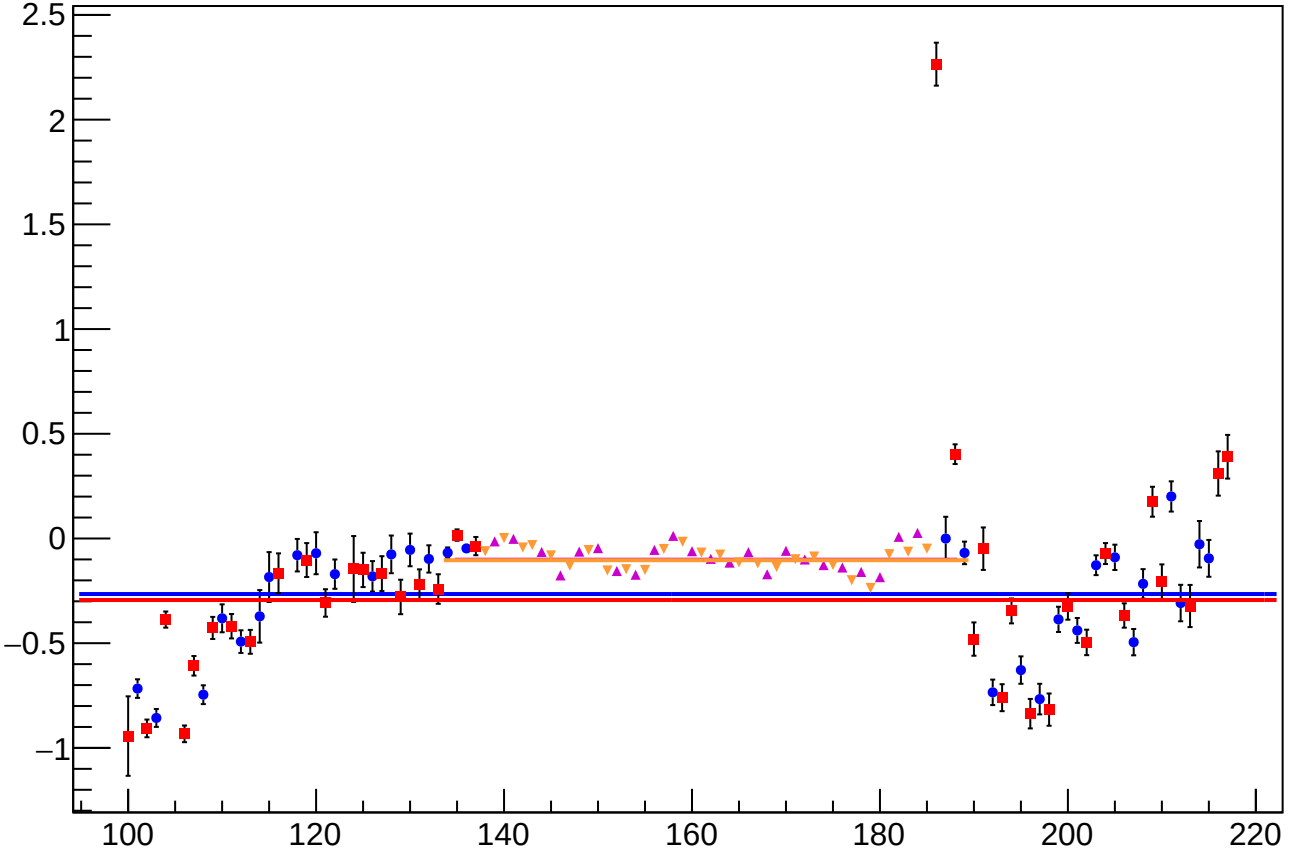
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.504+/-0.048 χ^2/NDF: 2560.0/55

All: 21.614+/-0.034 χ^2/NDF: 4388.6/114

- sign 21.725+/-0.048 χ^2/NDF: 1818.1/58

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.265+/-0.010 χ^2/NDF: 886.0/30

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.294+/-0.010 χ^2/NDF: 1898.3/35

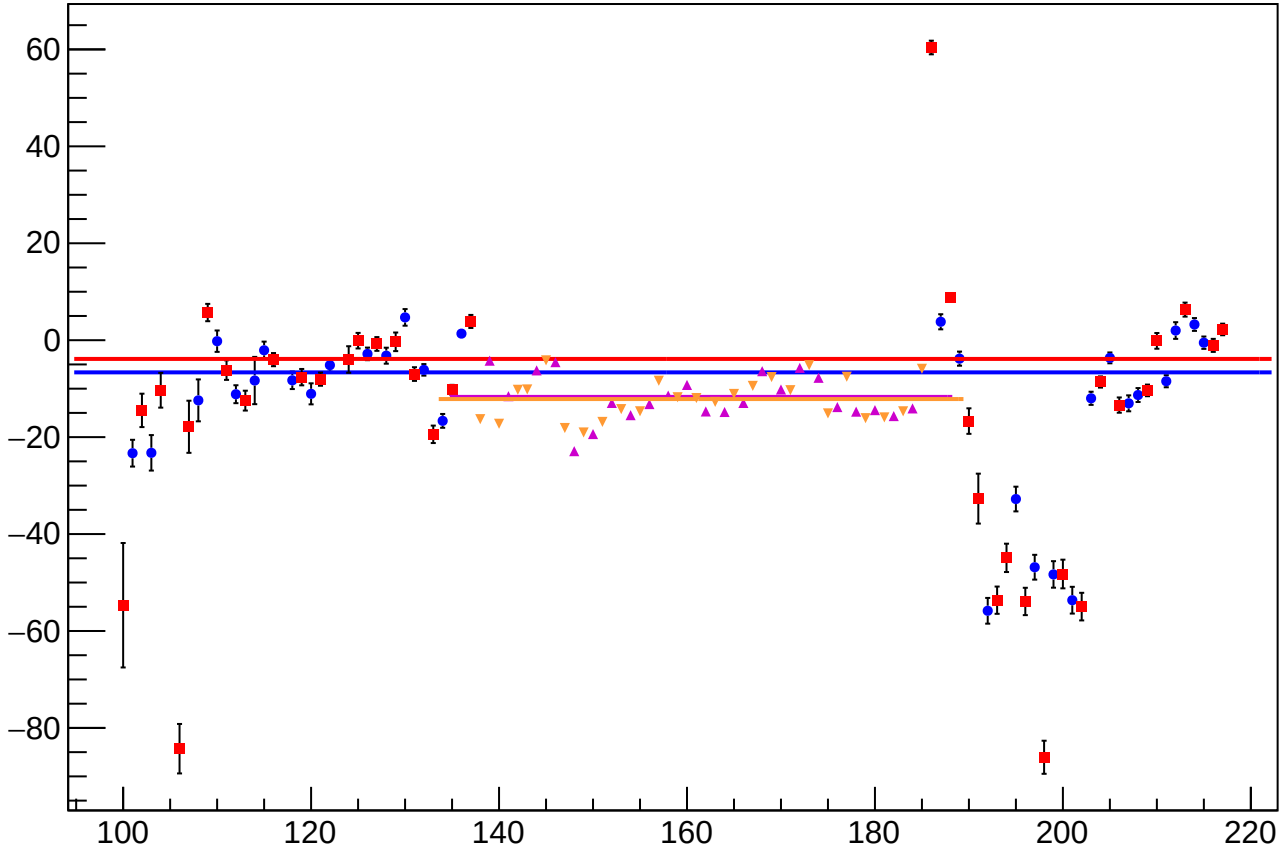
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1699.8/55

All: -0.111+/-0.002 χ^2/NDF: 4712.1/114

- sign -0.111+/-0.002 χ^2/NDF: 3012.1/58

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.637+/-0.279 χ^2/NDF: 1751.9/30

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

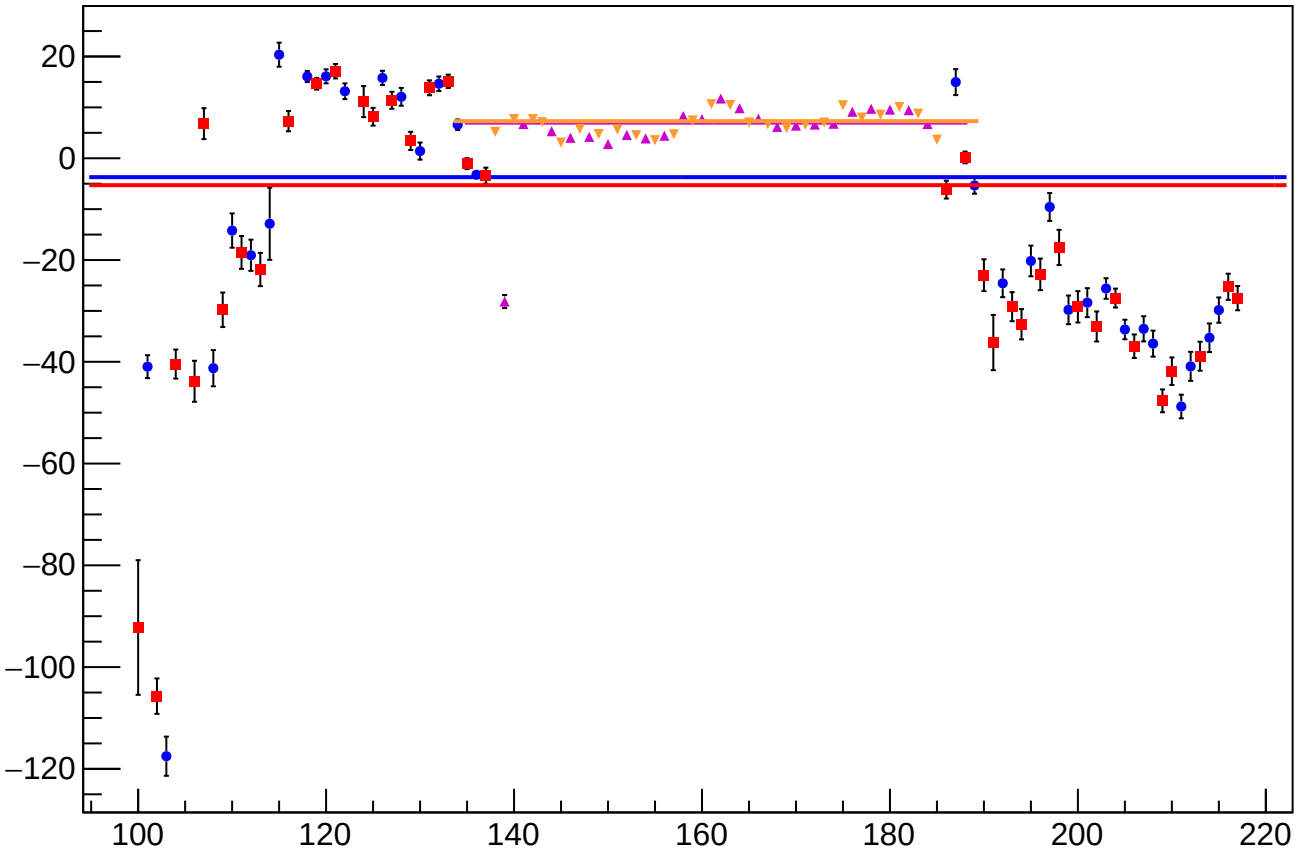
Right Out: -3.863+/-0.279 χ^2/NDF: 4994.9/35

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.609+/-0.087 χ^2/NDF: 4233.1/55

All: -11.262+/-0.062 χ^2/NDF: 11919.1/114

- sign -10.896+/-0.089 χ^2/NDF: 7653.2/58



Right In: -3.710+/-0.327 χ^2/NDF: 4361.4/30

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.290+/-0.339 χ^2/NDF: 4051.5/35

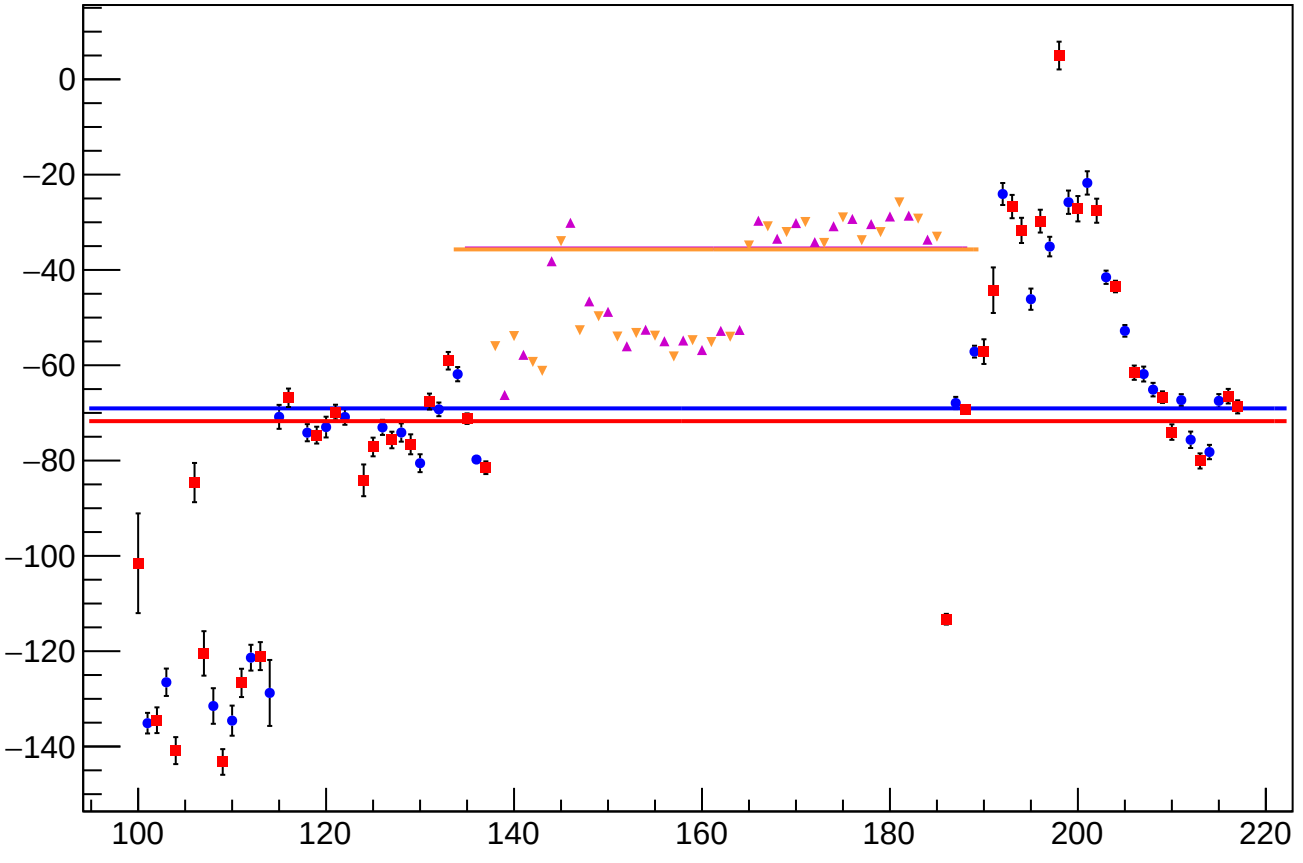
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.749+/-0.073 χ^2/NDF: 6258.9/55

All: 6.584+/-0.052 χ^2/NDF: 13151.5/114

- sign 6.415+/-0.074 χ^2/NDF: 6882.3/58

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -69.050+/-0.289 χ^2/NDF: 5010.8/30

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.728+/-0.284 χ^2/NDF: 6993.8/35

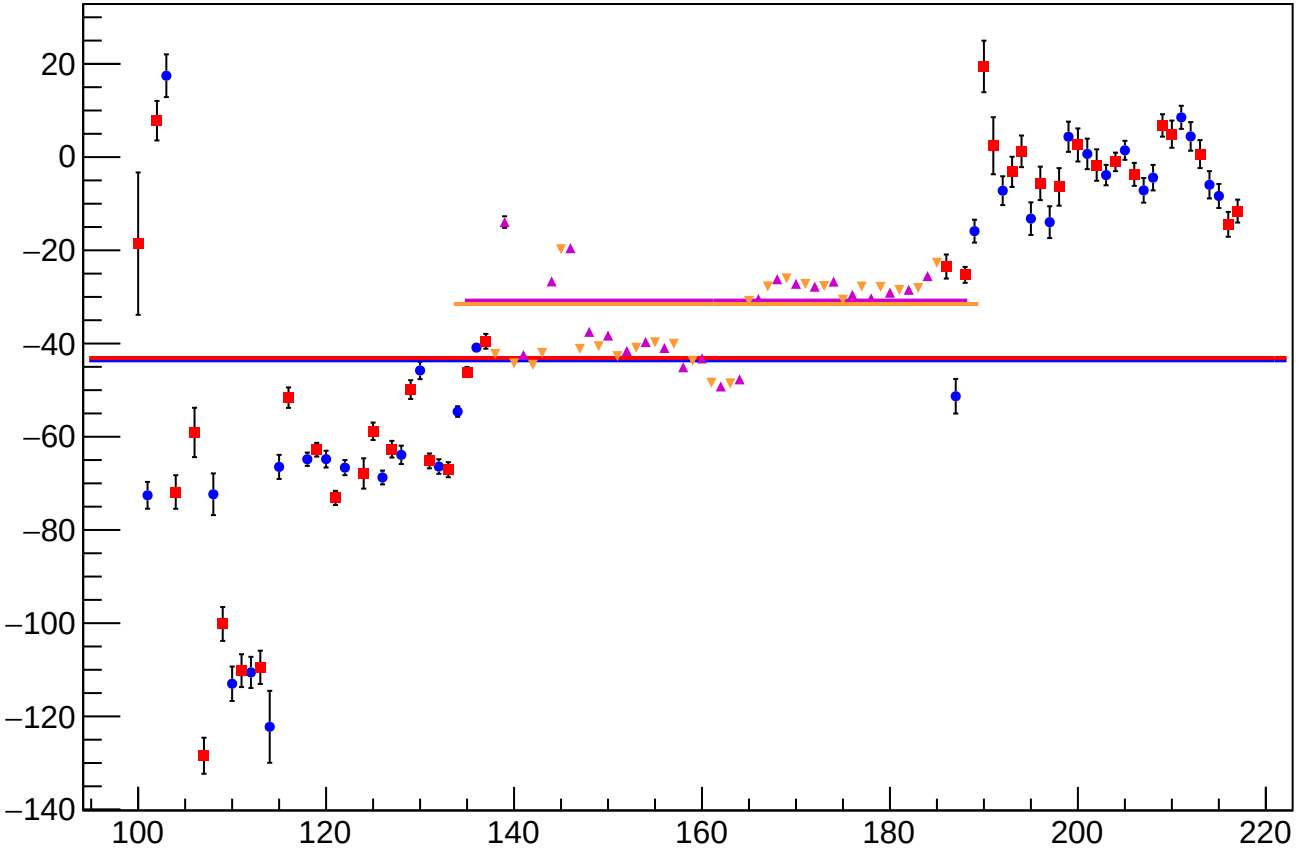
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.771+/-0.088 χ^2/NDF: 29872.0/55

All: -38.939+/-0.063 χ^2/NDF: 62681.5/114

- sign -39.114+/-0.090 χ^2/NDF: 32802.0/58

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -43.602+/-0.366 χ^2/NDF: 5605.9/30

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -43.096+/-0.387 χ^2/NDF: 6000.4/35

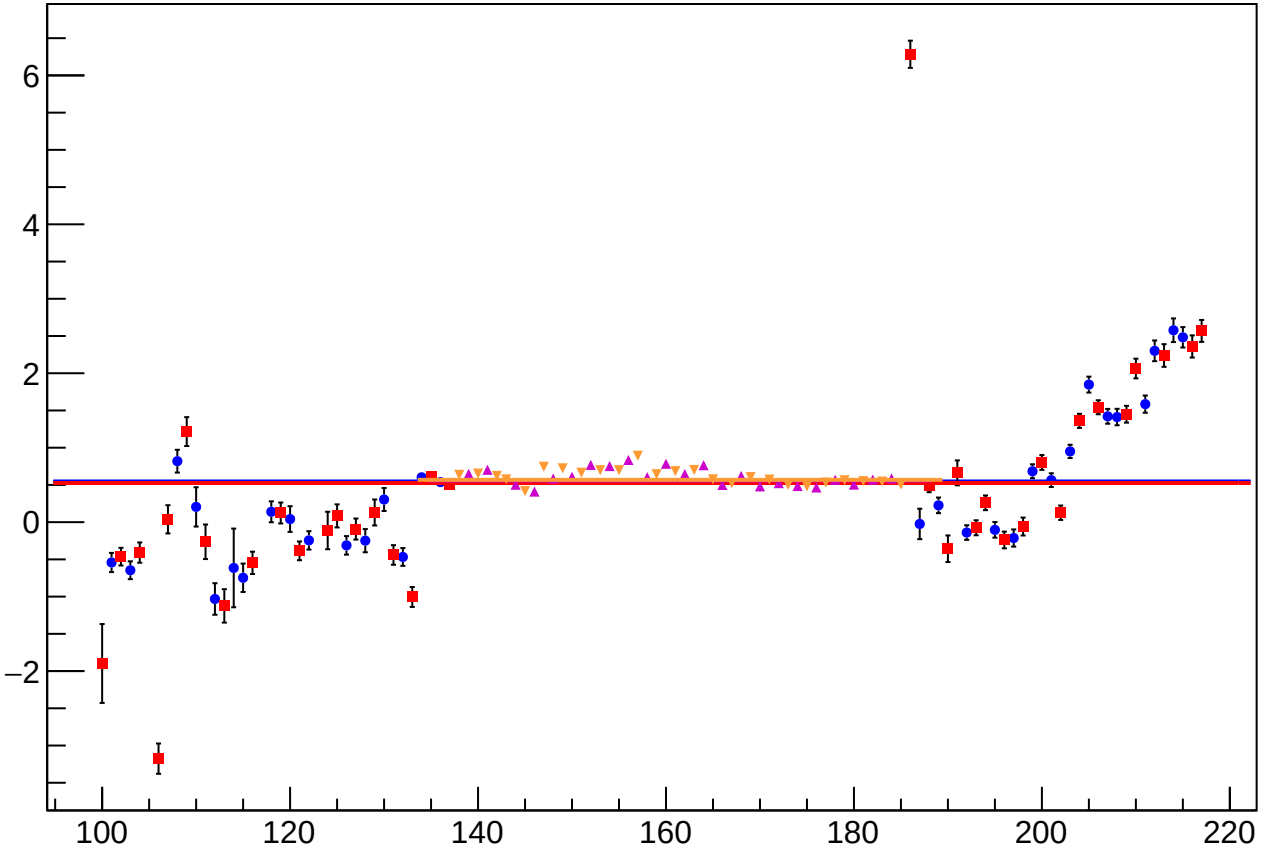
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.109+/-0.081 χ^2/NDF: 15101.9/55

All: -31.736+/-0.058 χ^2/NDF: 29661.9/114

- sign -31.347+/-0.082 χ^2/NDF: 14516.4/58

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.546+/-0.018 χ^2/NDF: 1548.2/30

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.526+/-0.019 χ^2/NDF: 2914.6/35

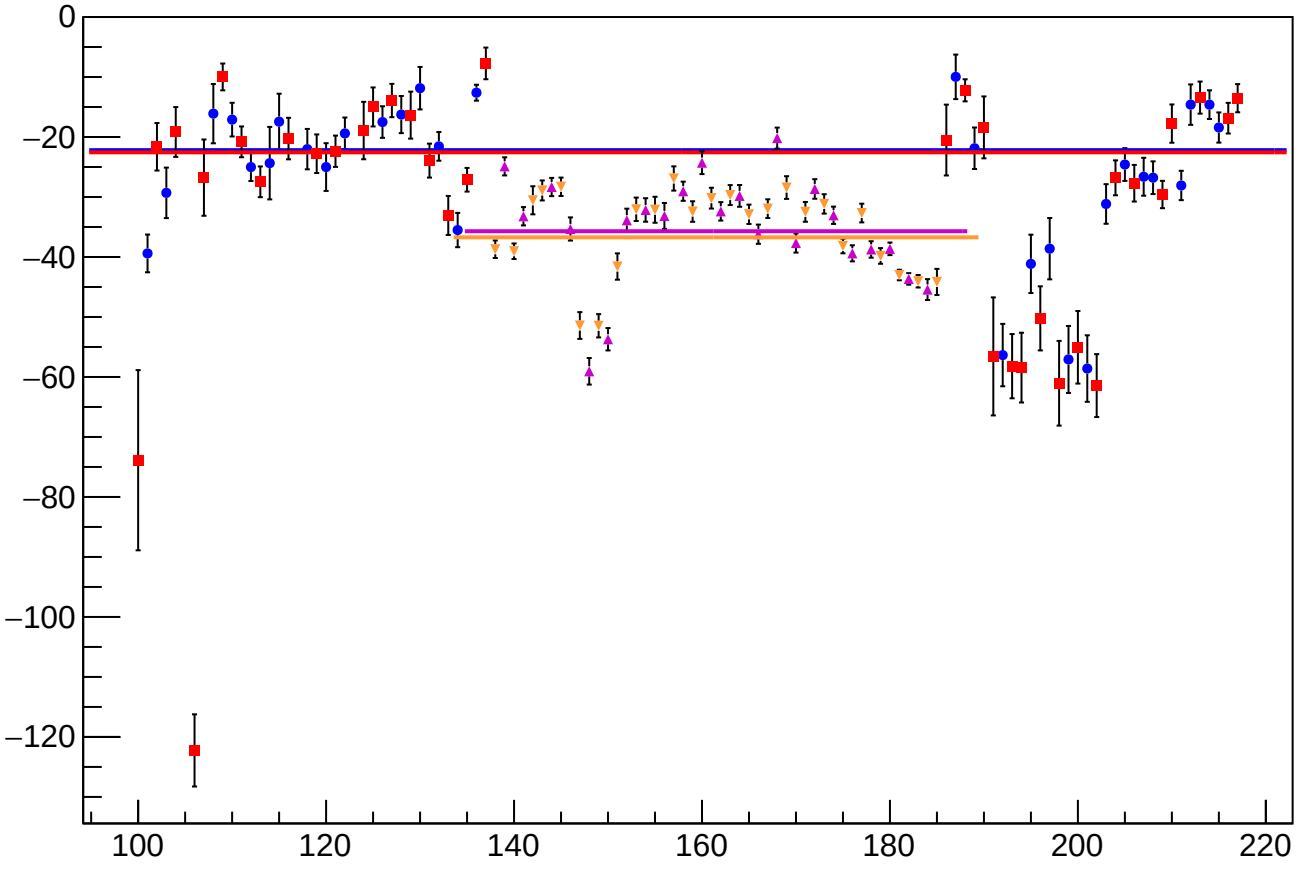
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.567+/-0.004 χ^2/NDF: 2104.2/55

All: 0.563+/-0.003 χ^2/NDF: 5696.1/114

- sign 0.559+/-0.004 χ^2/NDF: 3589.1/58

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.194+/-0.538 χ^2/NDF: 328.9/30

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.554+/-0.534 χ^2/NDF: 704.9/35

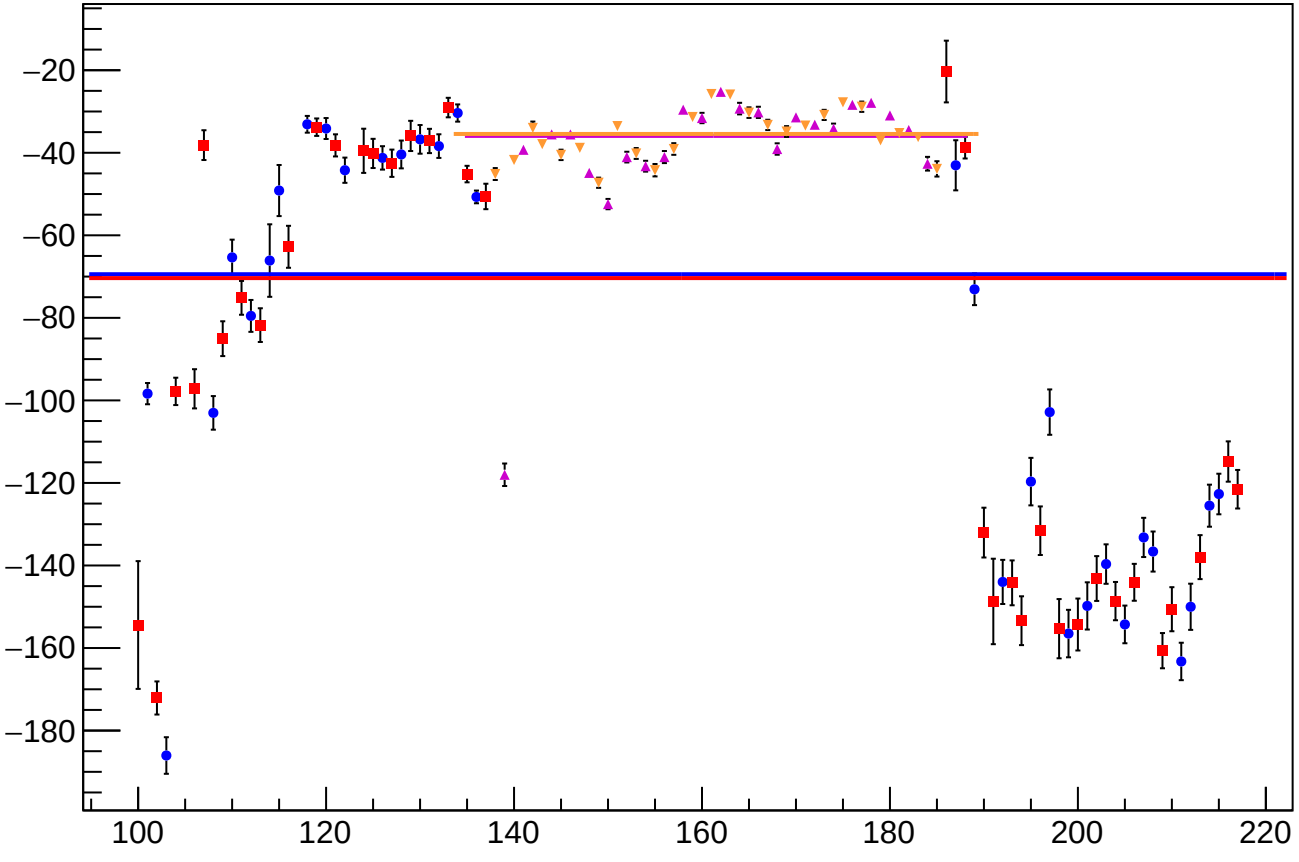
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

\+ sign -33.096+/-0.269 χ^2/NDF: 1297.5/55

All: -32.650+/-0.193 χ^2/NDF: 3030.9/114

\- sign -32.179+/-0.276 χ^2/NDF: 1727.7/58

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -69.429+/-0.622 χ^2/NDF: 4924.3/30

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.369+/-0.637 χ^2/NDF: 5150.9/35

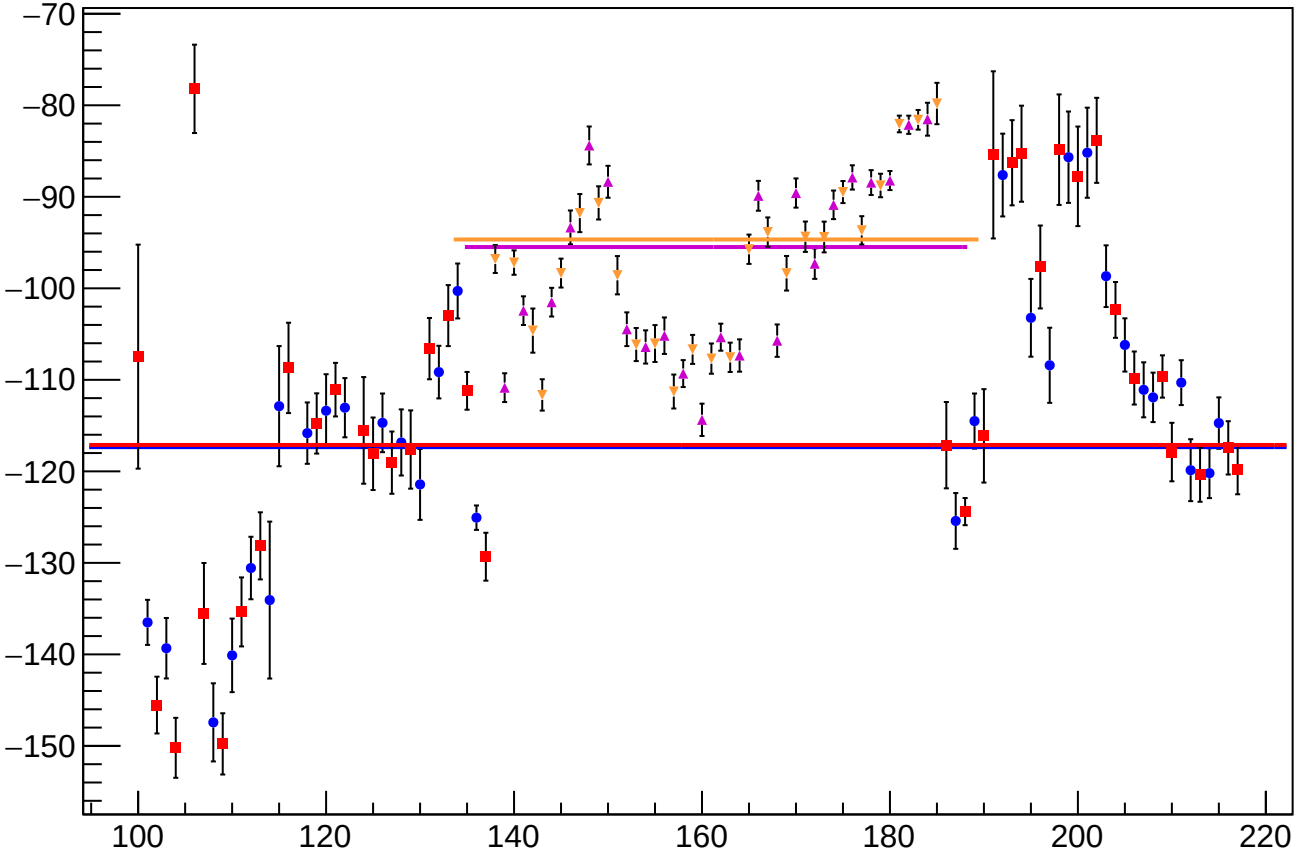
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -40.007+/-0.228 χ^2/NDF: 8049.6/55

All: -40.344+/-0.164 χ^2/NDF: 17267.9/114

- sign -40.711+/-0.238 χ^2/NDF: 9213.8/58

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.352+/-0.558 χ^2/NDF: 498.8/30

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.117+/-0.557 χ^2/NDF: 743.3/35

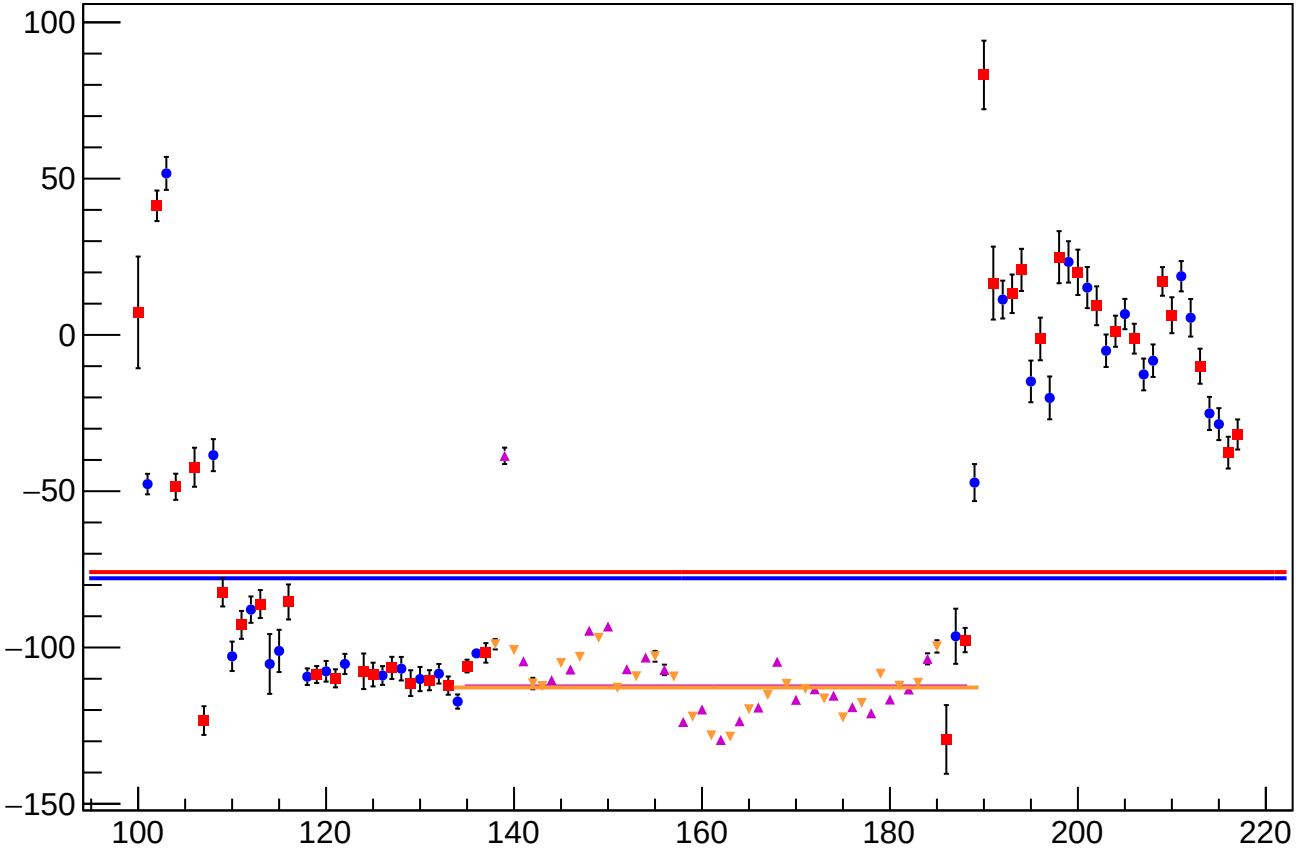
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -100.007+/-0.271 χ^2/NDF: 2662.0/55

All: -100.437+/-0.194 χ^2/NDF: 5513.2/114

- sign -100.891+/-0.278 χ^2/NDF: 2846.0/58

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -77.854+/-0.699 χ^2/NDF: 4431.5/30

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.874+/-0.725 χ^2/NDF: 4645.5/35

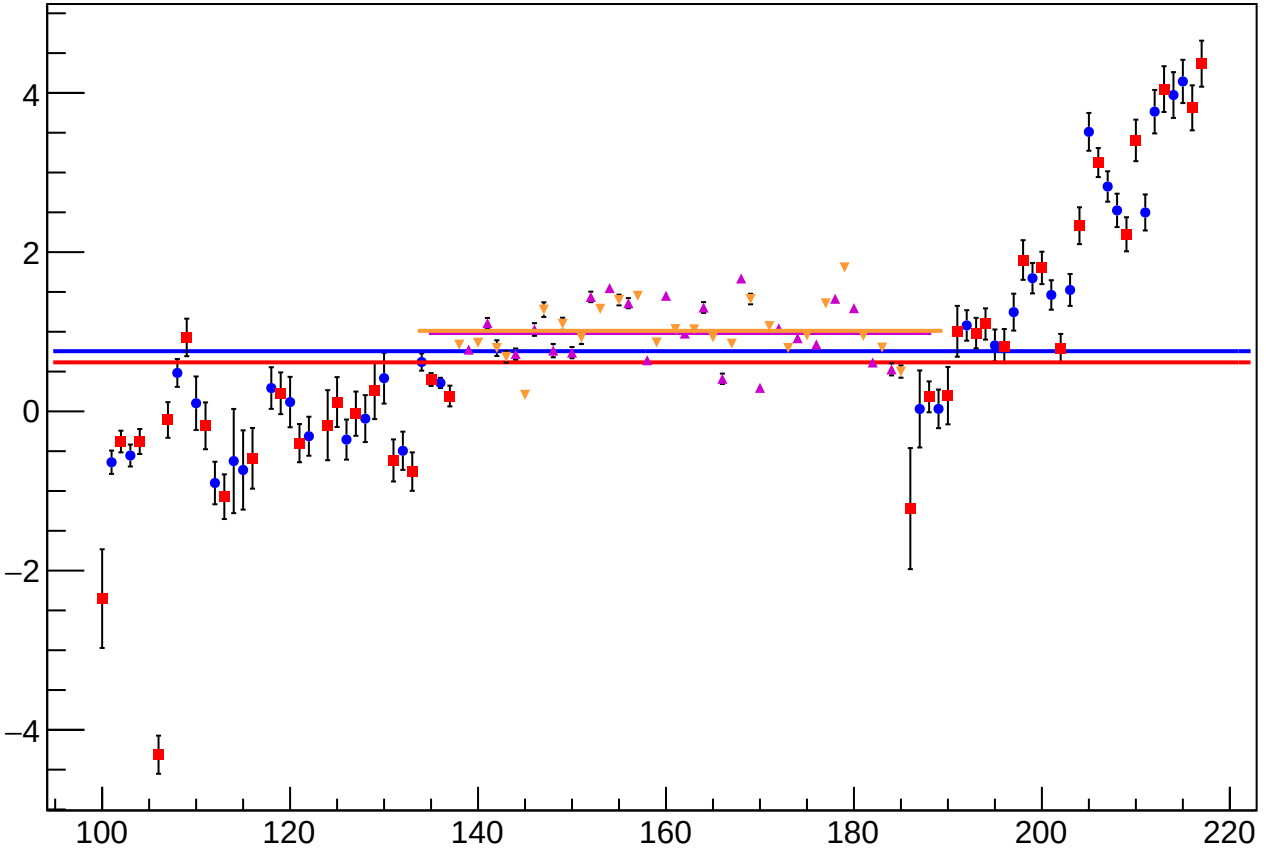
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -108.137+/-0.255 χ^2/NDF: 7534.8/55

All: -107.865+/-0.184 χ^2/NDF: 16178.4/114

- sign -107.572+/-0.265 χ^2/NDF: 8641.2/58

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.756+/-0.034 χ^2/NDF: 1217.4/30

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.616+/-0.035 χ^2/NDF: 1649.0/35

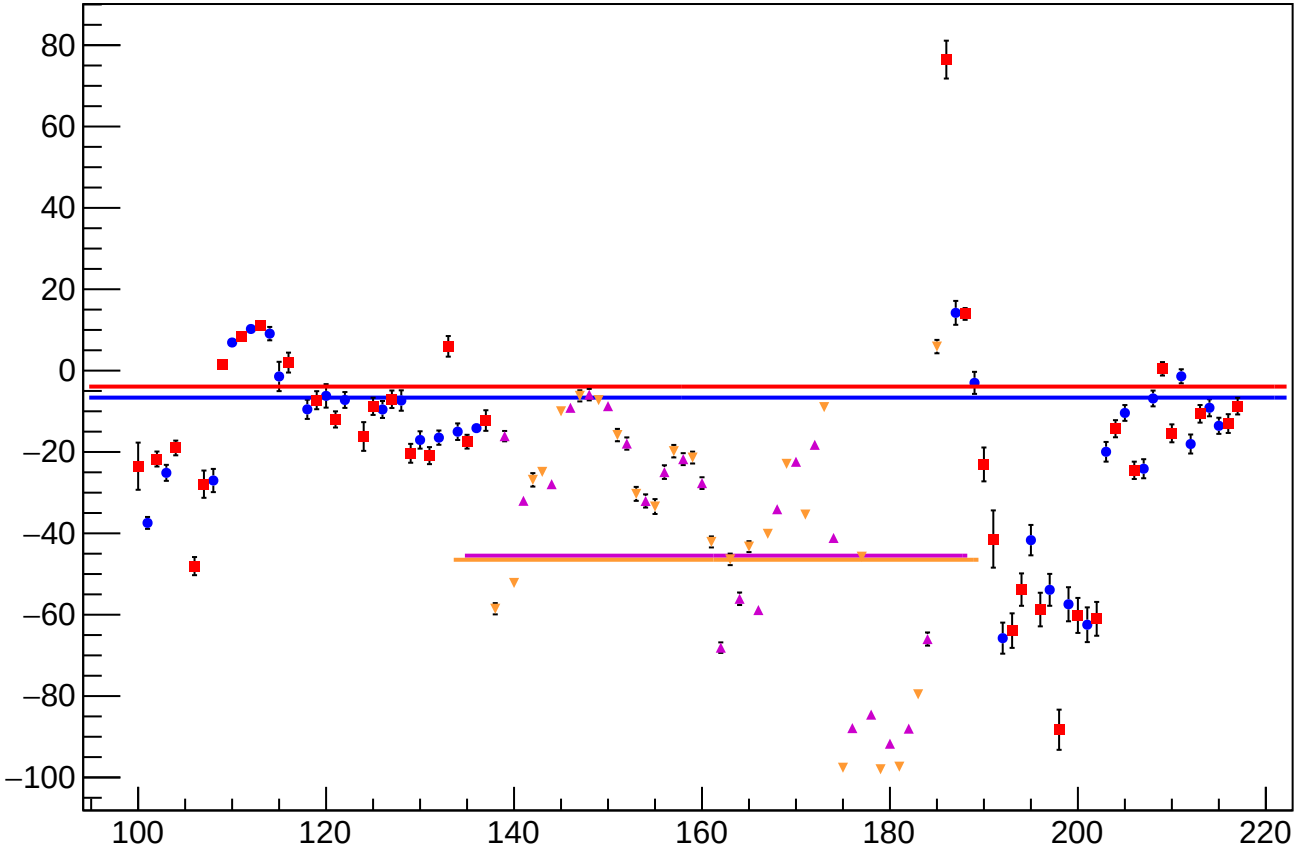
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.982+/-0.012 χ^2/NDF: 1959.8/55

All: 0.963+/-0.008 χ^2/NDF: 4612.2/114

- sign 0.943+/-0.012 χ^2/NDF: 2646.8/58

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.636+/-0.325 χ^2/NDF: 2576.8/30

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.926+/-0.297 χ^2/NDF: 3441.6/35

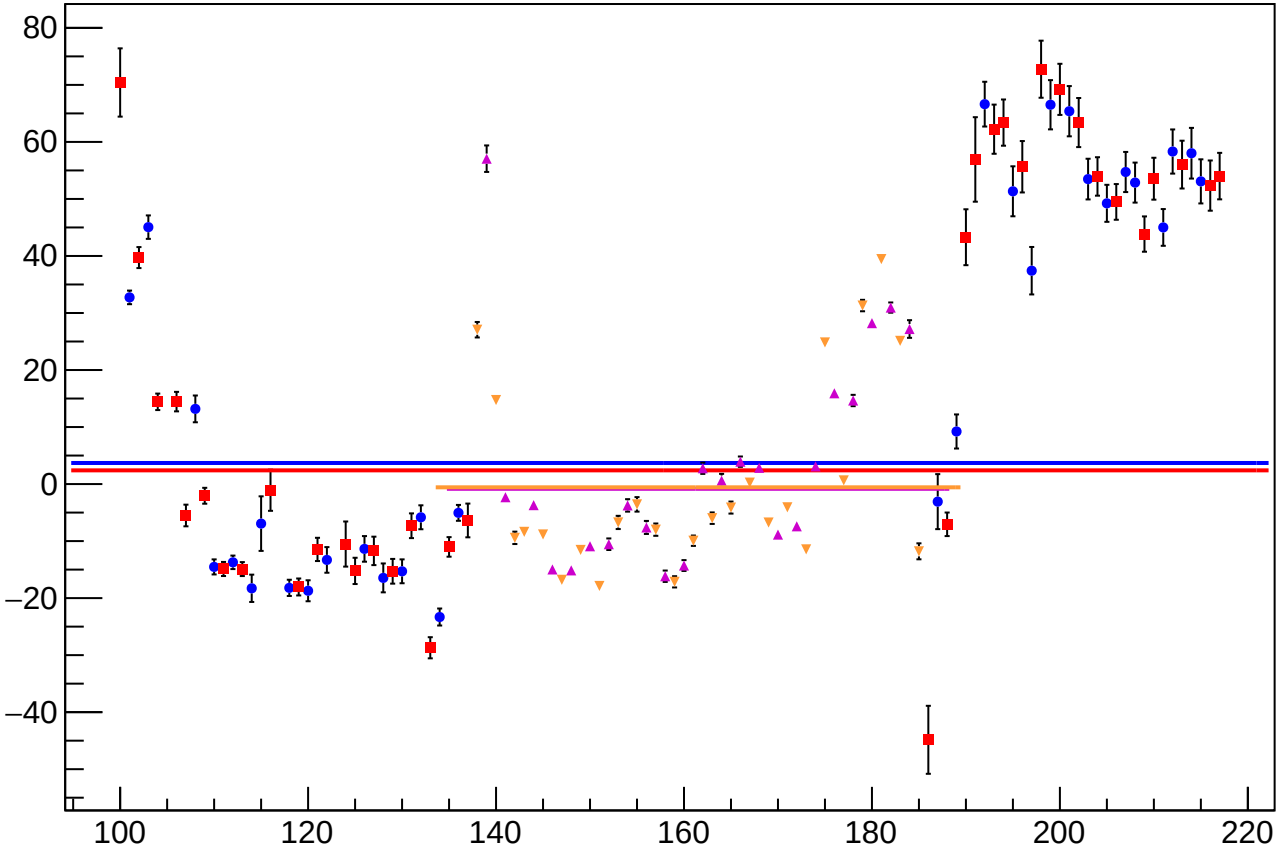
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -33.160+/-0.188 χ^2/NDF: 32661.8/55

All: -31.197+/-0.132 χ^2/NDF: 63816.0/114

- sign -29.277+/-0.186 χ^2/NDF: 30937.8/58

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 3.698+/-0.394 χ^2/NDF: 4858.4/30

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 2.404+/-0.384 χ^2/NDF: 4530.5/35

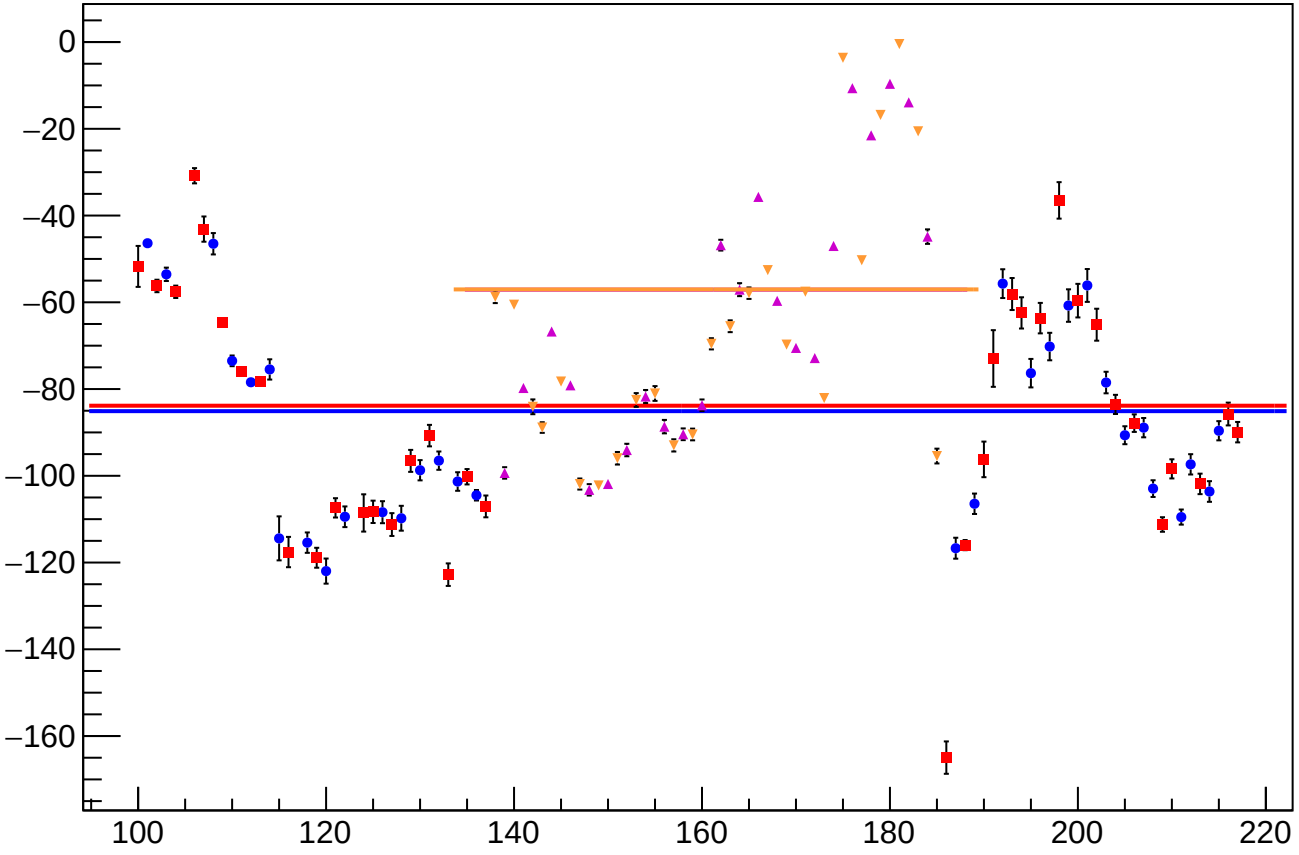
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign 0.146+/-0.162 χ^2/NDF: 13407.5/55

All: -0.038+/-0.116 χ^2/NDF: 24114.9/114

- sign -0.230+/-0.165 χ^2/NDF: 10704.8/58

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -85.096+/-0.359 χ^2/NDF: 3807.4/30

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.841+/-0.341 χ^2/NDF: 5296.7/35

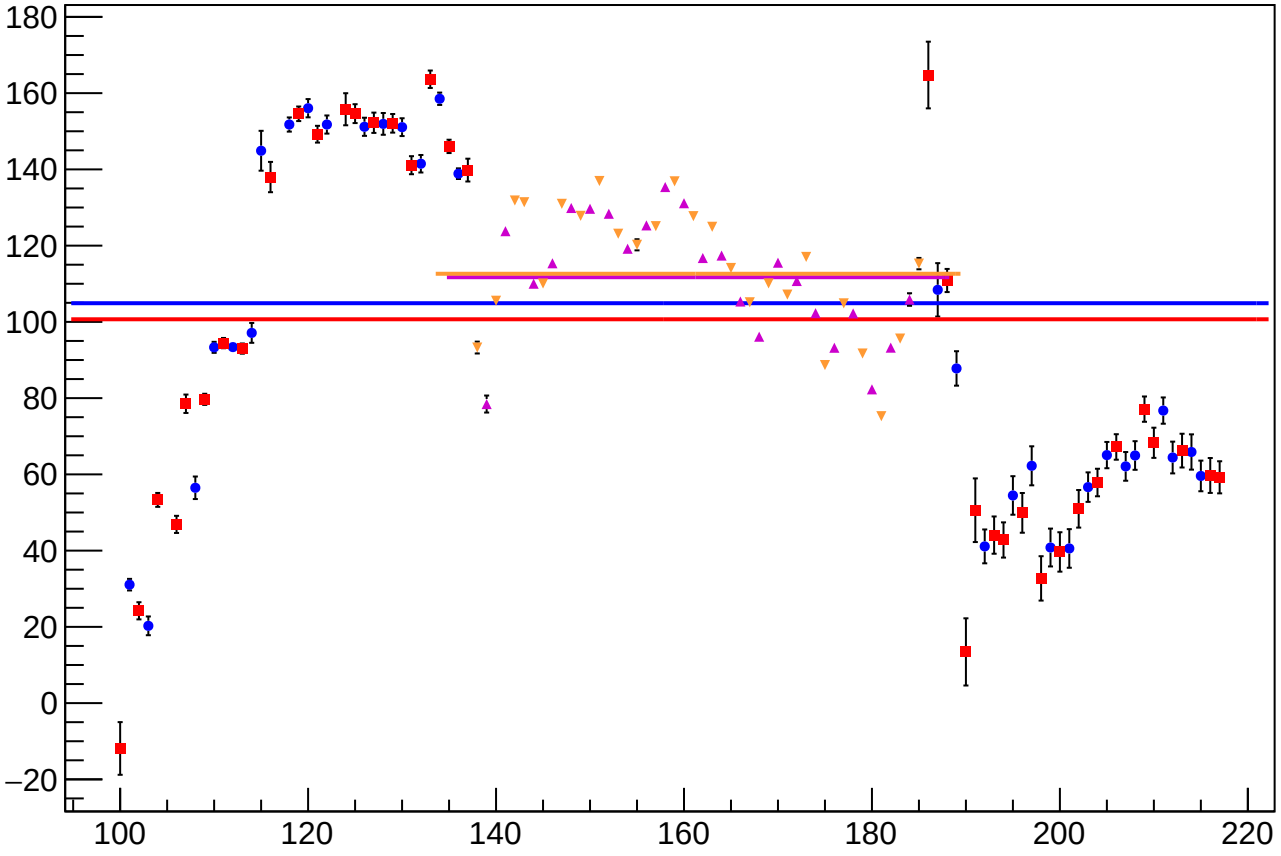
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -65.175+/-0.194 χ^2/NDF: 28443.7/55

All: -65.473+/-0.137 χ^2/NDF: 55061.5/114

- sign -65.772+/-0.194 χ^2/NDF: 26613.1/58

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.899+/-0.447 χ^2/NDF: 10097.3/30

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.683+/-0.438 χ^2/NDF: 9305.7/35

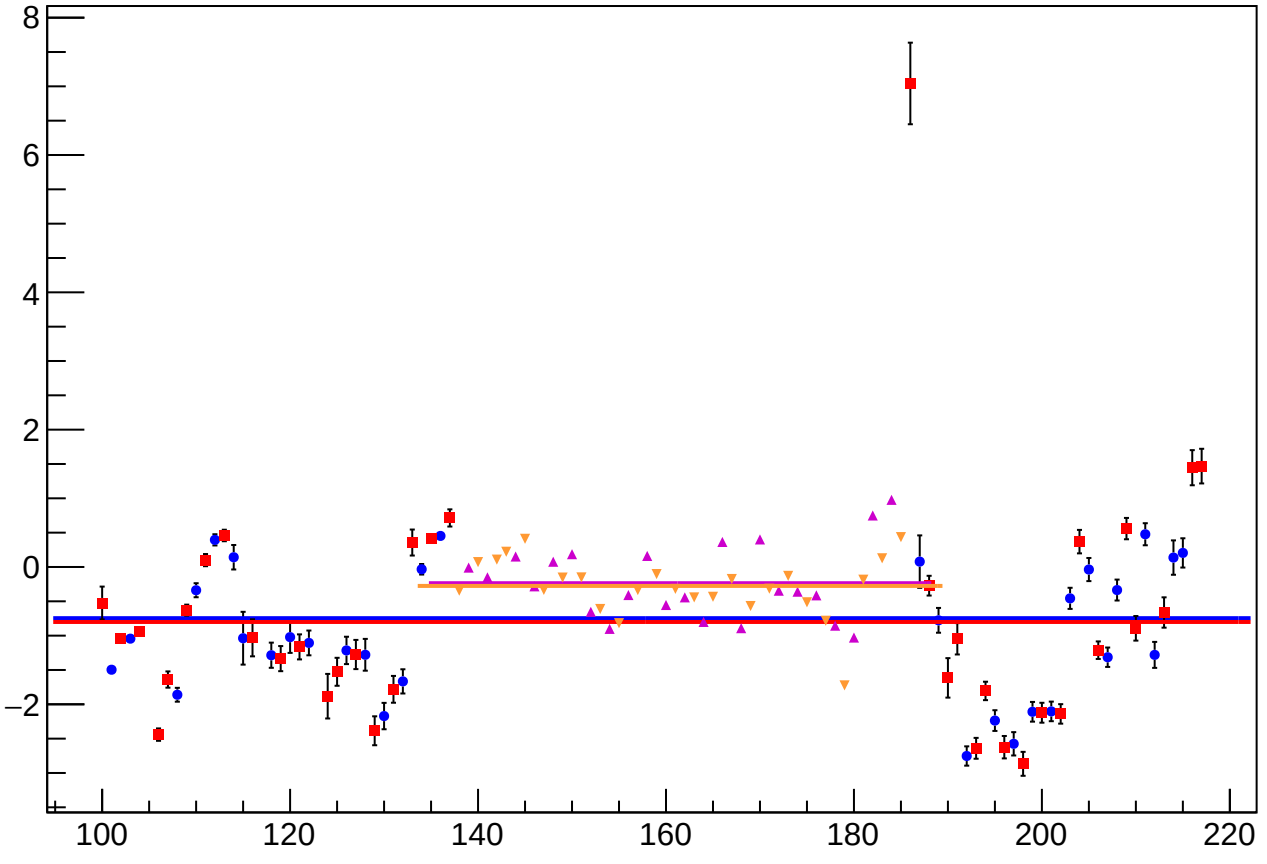
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.337+/-0.183 χ^2/NDF: 17054.1/55

All: 110.547+/-0.130 χ^2/NDF: 31814.7/114

- sign 109.721+/-0.186 χ^2/NDF: 14722.2/58

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.745+/-0.022 χ^2/NDF: 1890.2/30

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.801+/-0.022 χ^2/NDF: 2477.8/35

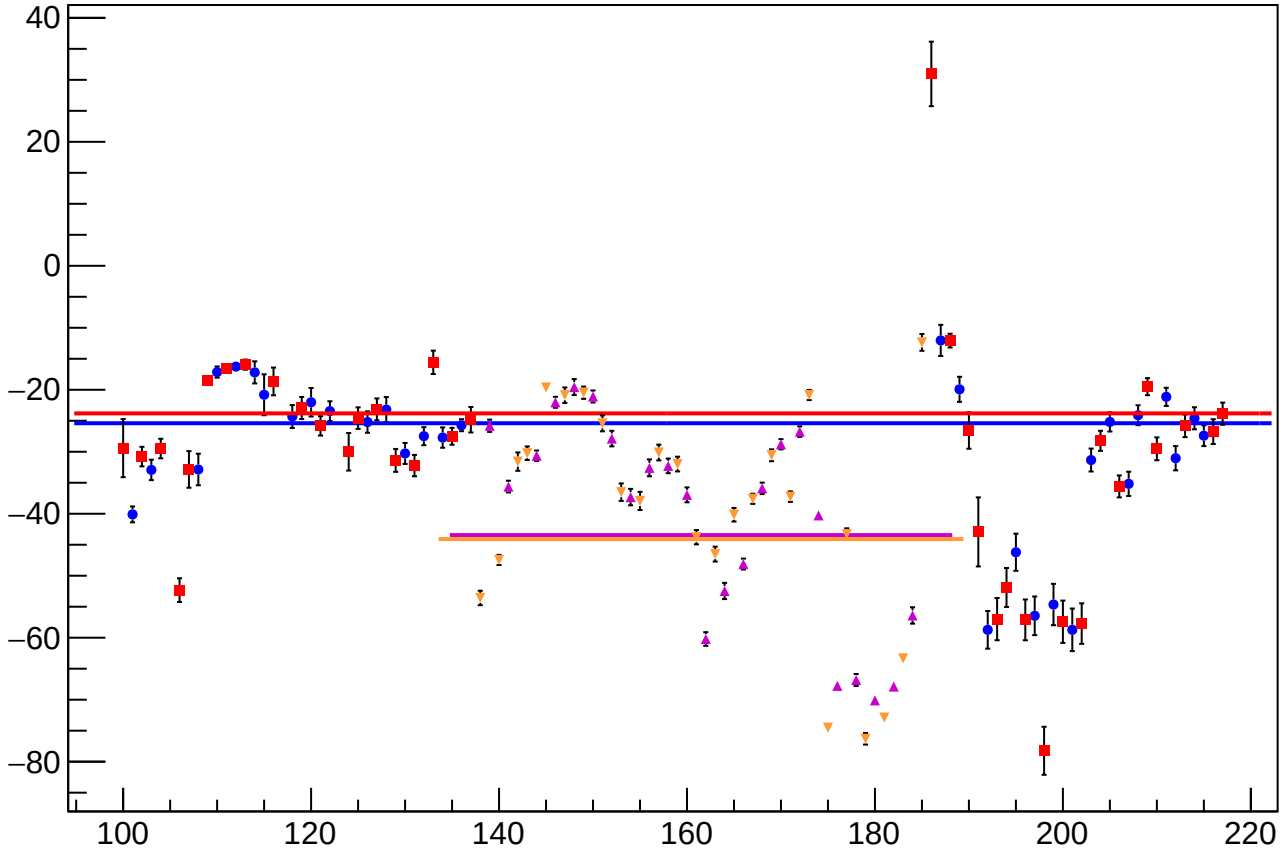
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.342+/-0.008 χ^2/NDF: 4399.4/55

All: -0.333+/-0.006 χ^2/NDF: 10418.9/114

- sign -0.323+/-0.008 χ^2/NDF: 6016.8/58

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.399+/-0.290 χ^2/NDF: 962.1/30

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.811+/-0.271 χ^2/NDF: 1560.9/35

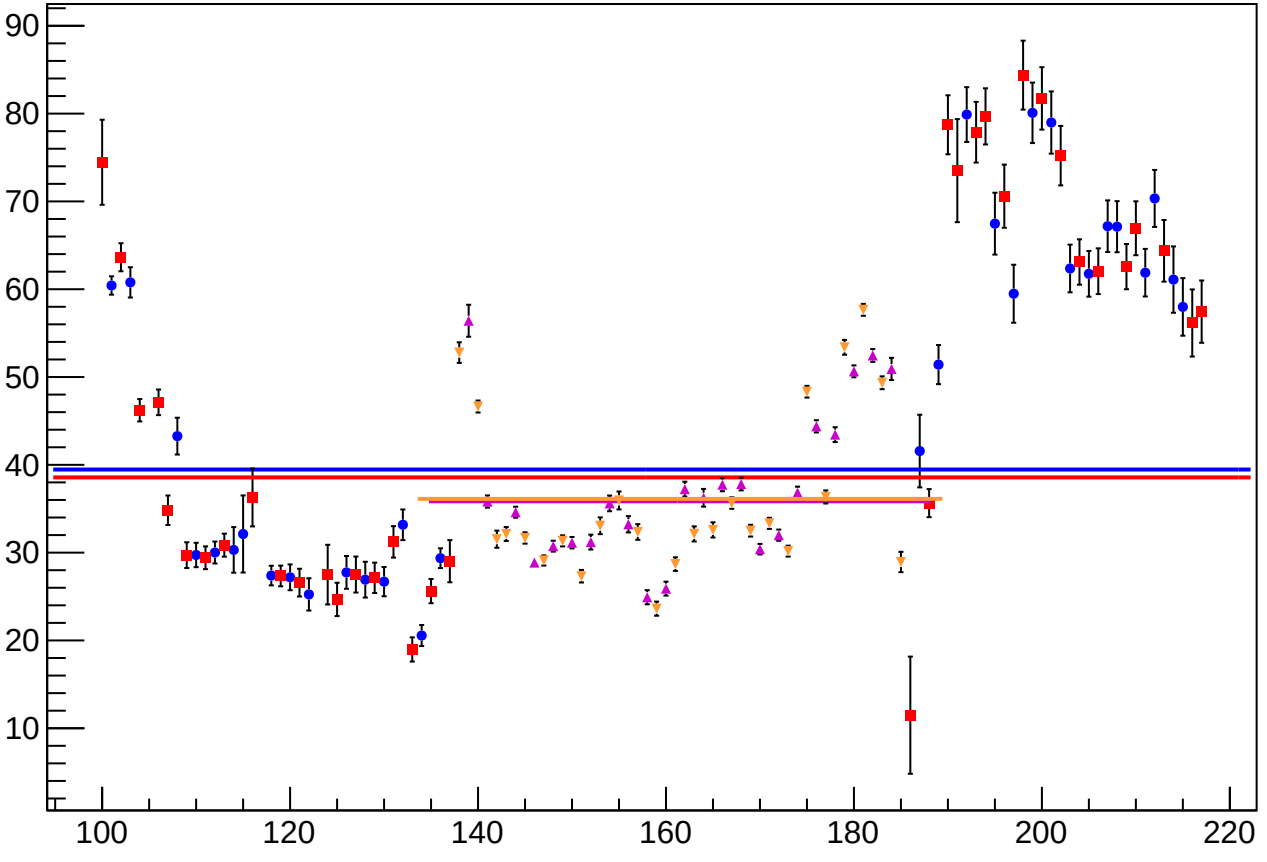
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.346+/-0.161 χ^2/NDF: 14182.3/55

All: -37.469+/-0.113 χ^2/NDF: 27028.5/114

- sign -36.595+/-0.160 χ^2/NDF: 12786.7/58

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.466+/-0.339 χ^2/NDF: 2511.6/30

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.568+/-0.333 χ^2/NDF: 2525.4/35

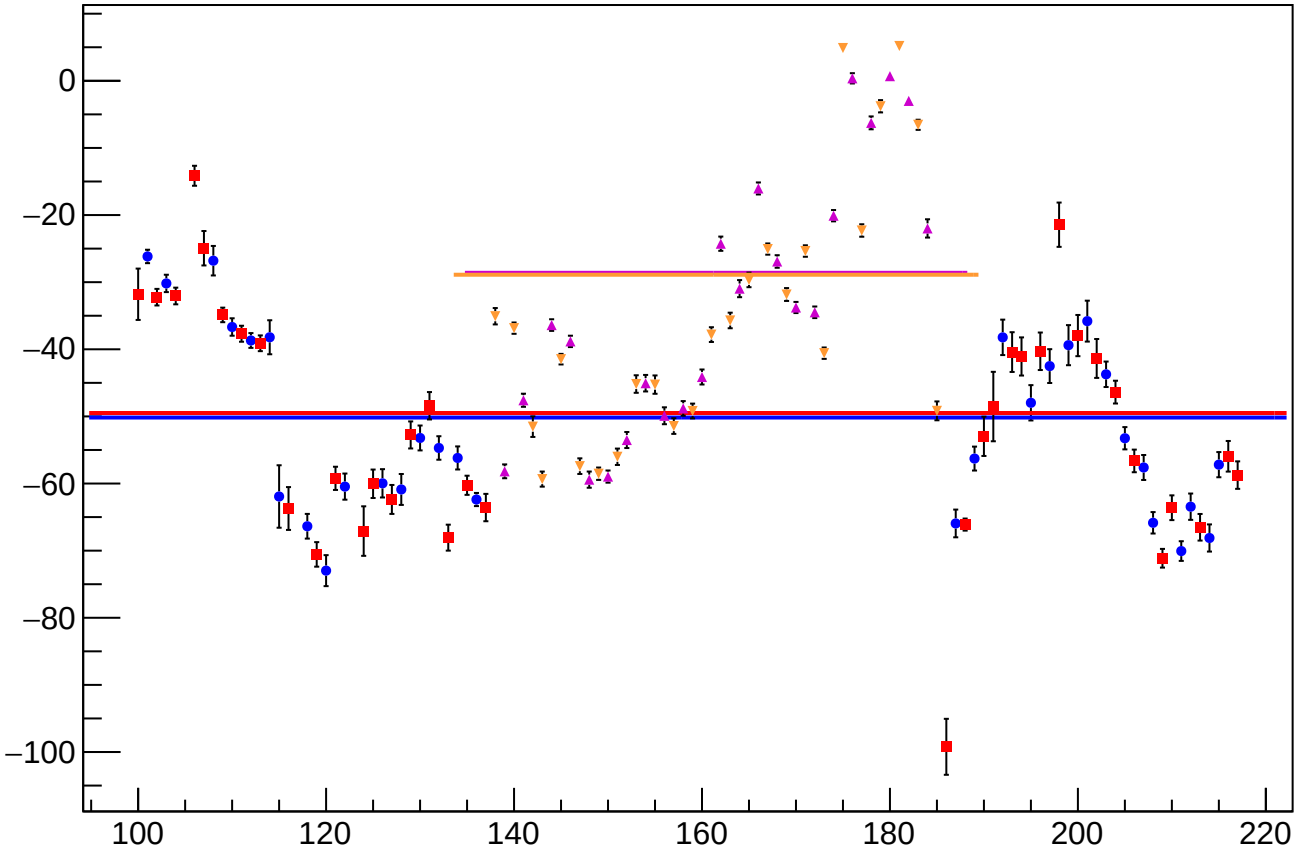
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.671+/-0.137 χ^2/NDF: 6151.5/55

All: 36.507+/-0.098 χ^2/NDF: 11028.0/114

- sign 36.335+/-0.140 χ^2/NDF: 4873.5/58

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.166+/-0.311 χ^2/NDF: 2181.4/30

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.492+/-0.297 χ^2/NDF: 2927.0/35

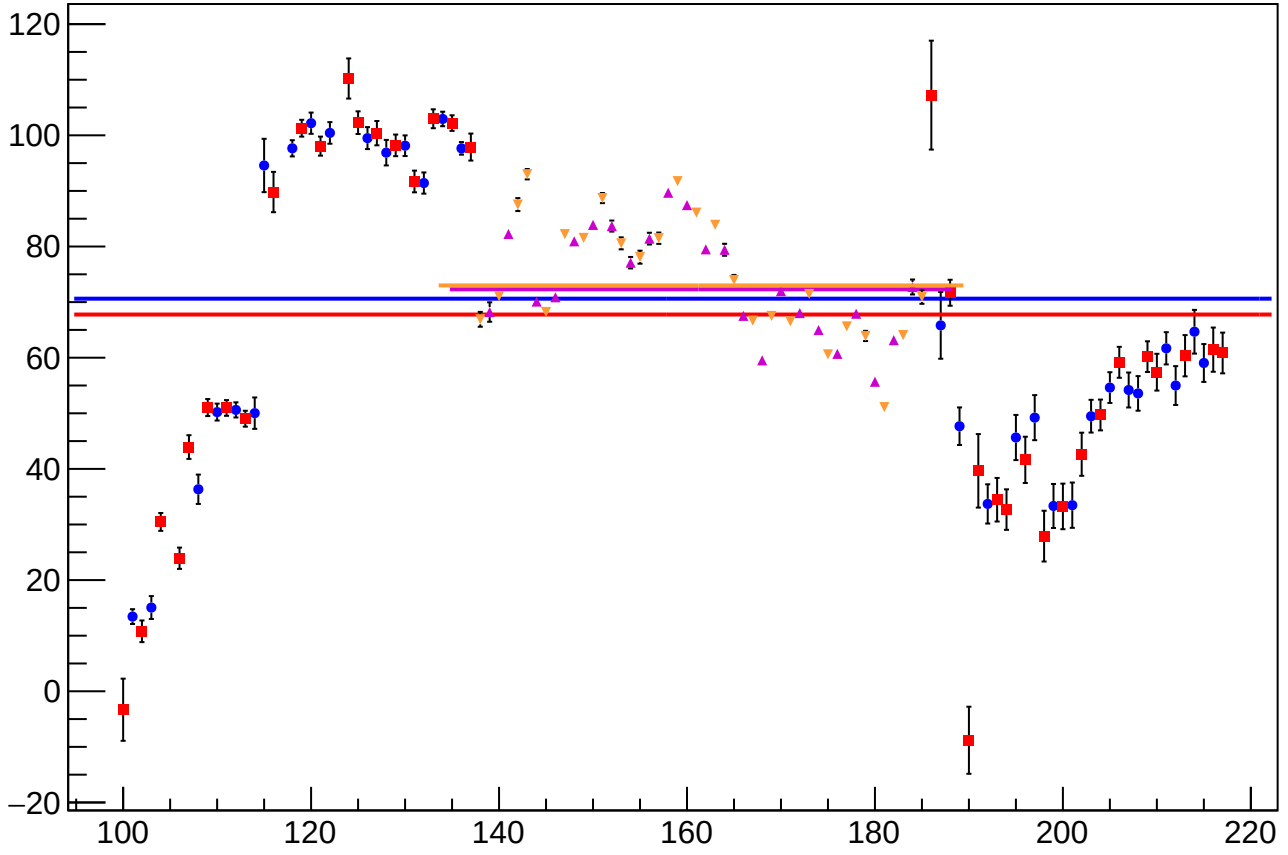
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -34.809+/-0.164 χ^2/NDF: 17368.6/55

All: -34.910+/-0.116 χ^2/NDF: 33732.3/114

\- sign -35.011+/-0.165 χ^2/NDF: 16362.9/58

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.618+/-0.386 χ^2/NDF: 6514.8/30

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.766+/-0.383 χ^2/NDF: 6375.1/35

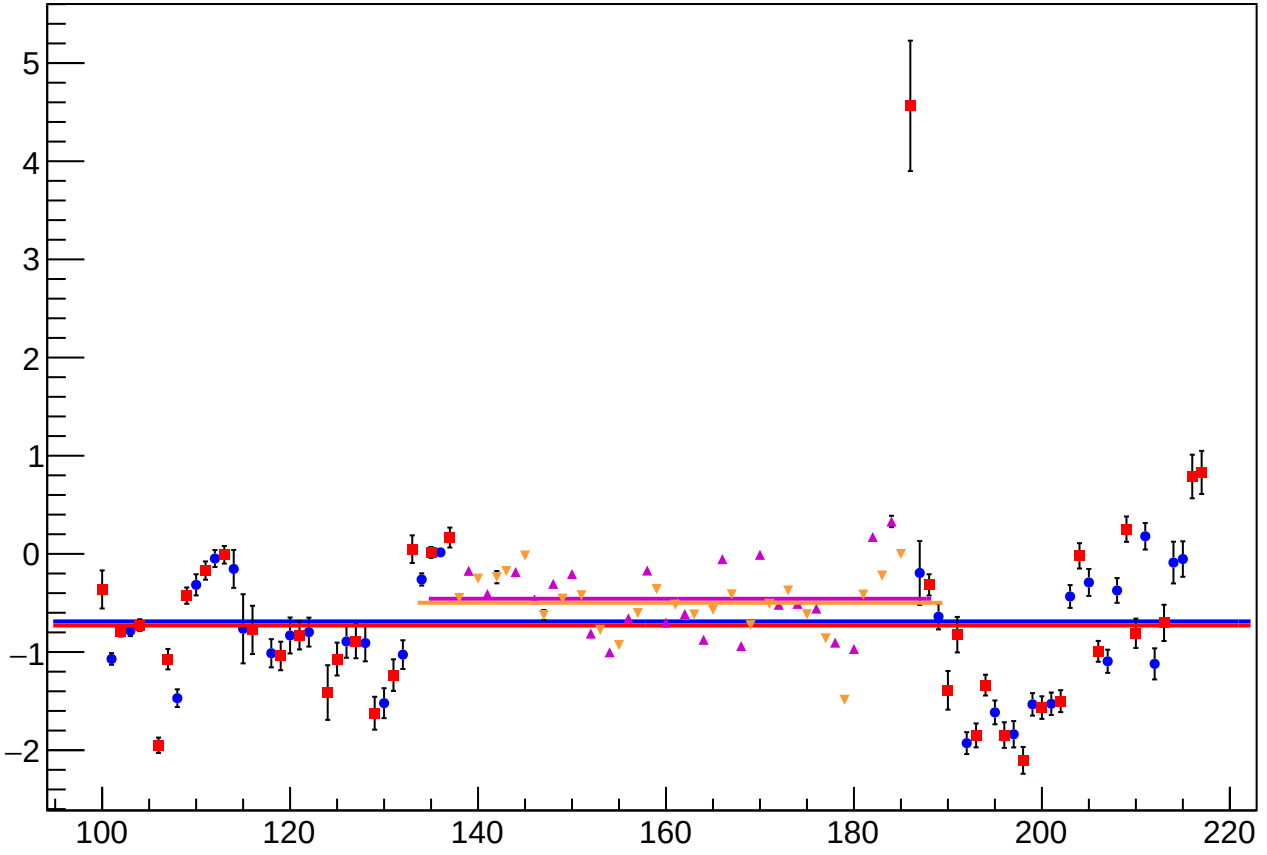
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.620+/-0.154 χ^2/NDF: 10599.3/55

All: 72.087+/-0.110 χ^2/NDF: 20027.9/114

- sign 71.530+/-0.158 χ^2/NDF: 9404.2/58

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.688+/-0.019 χ^2/NDF: 990.2/30

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.729+/-0.018 χ^2/NDF: 1388.8/35

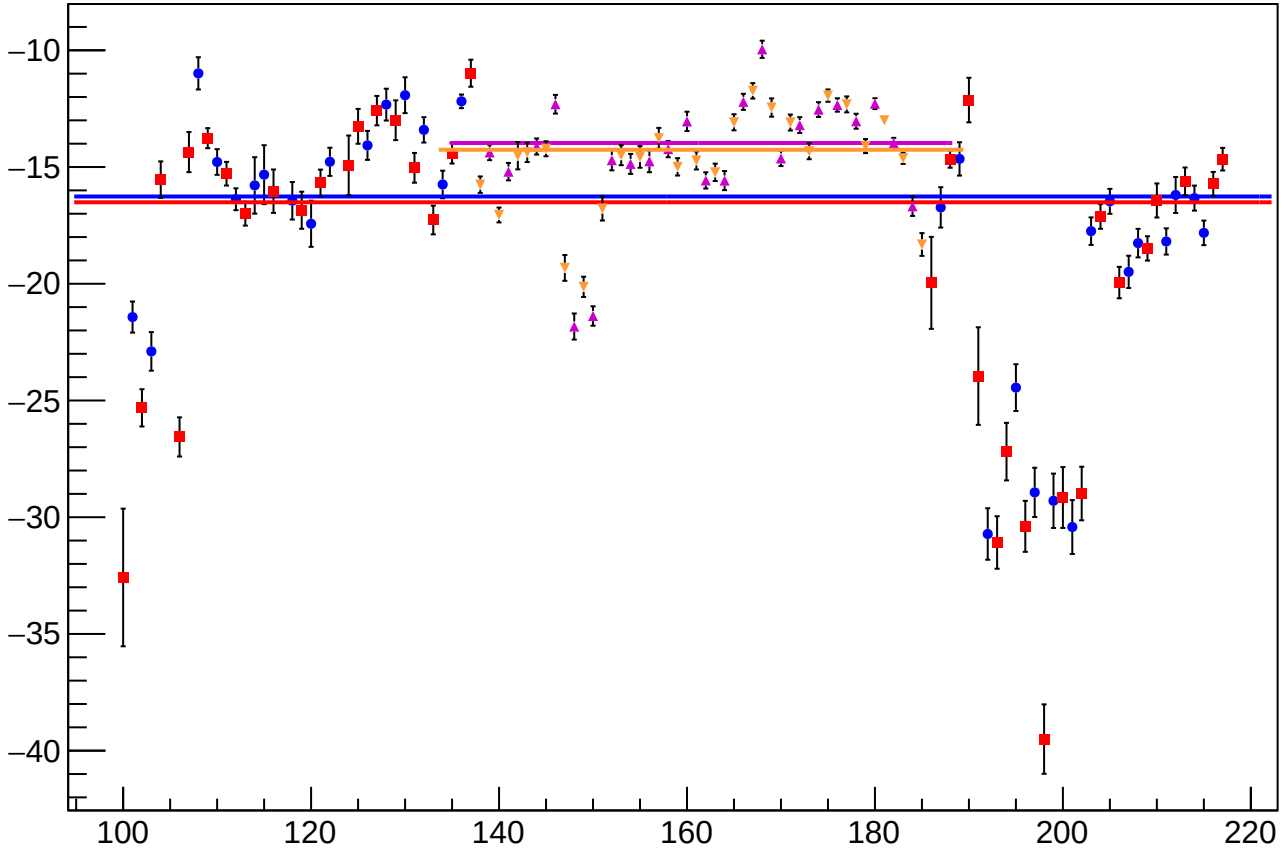
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.525+/-0.007 χ^2/NDF: 2561.7/55

All: -0.511+/-0.005 χ^2/NDF: 6245.5/114

- sign -0.497+/-0.007 χ^2/NDF: 3676.3/58

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.262+/-0.115 χ^2/NDF: 1222.9/30

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.510+/-0.112 χ^2/NDF: 1528.9/35

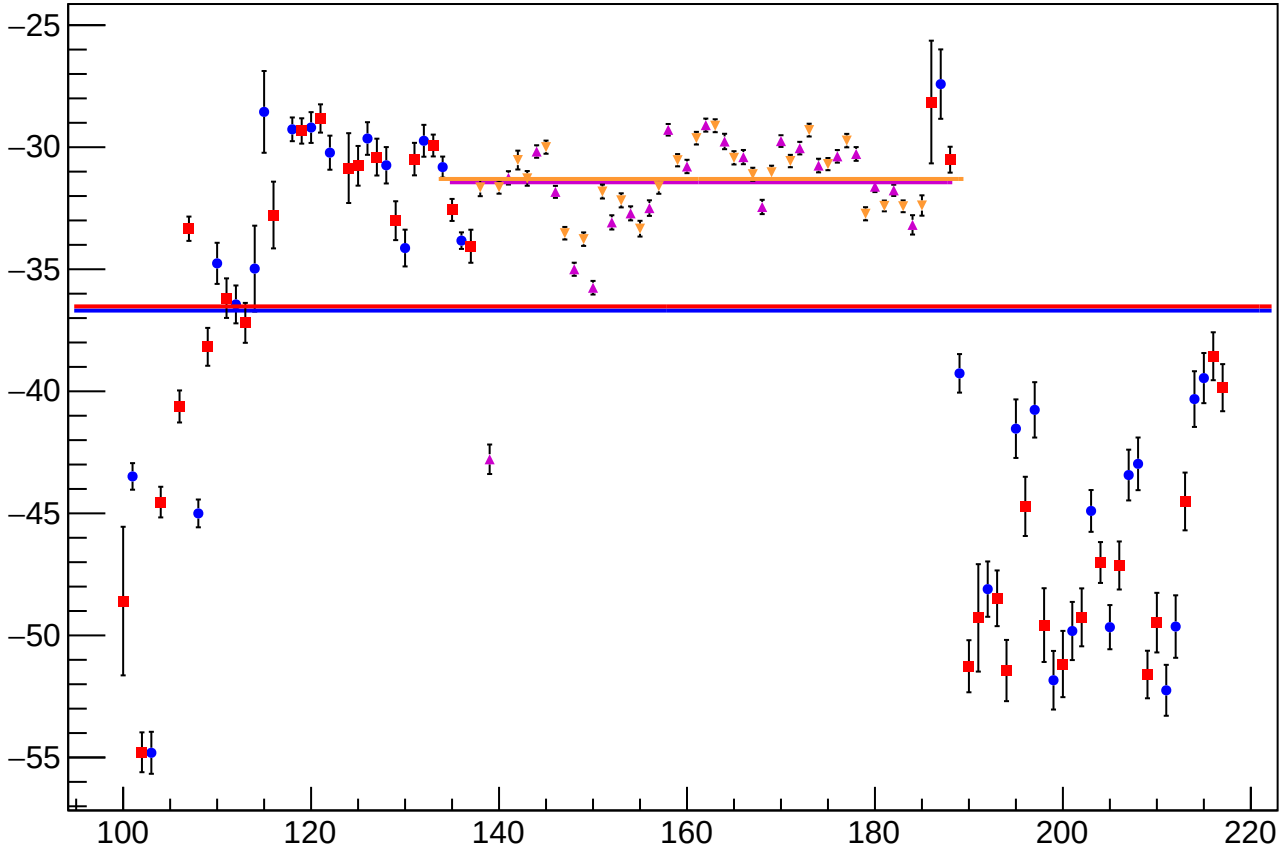
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.797+/-0.060 χ^2/NDF: 2167.8/55

All: -14.755+/-0.042 χ^2/NDF: 4969.8/114

- sign -14.712+/-0.060 χ^2/NDF: 2801.1/58

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.692+/-0.134 χ^2/NDF: 3039.2/30

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.521+/-0.132 χ^2/NDF: 3335.6/35

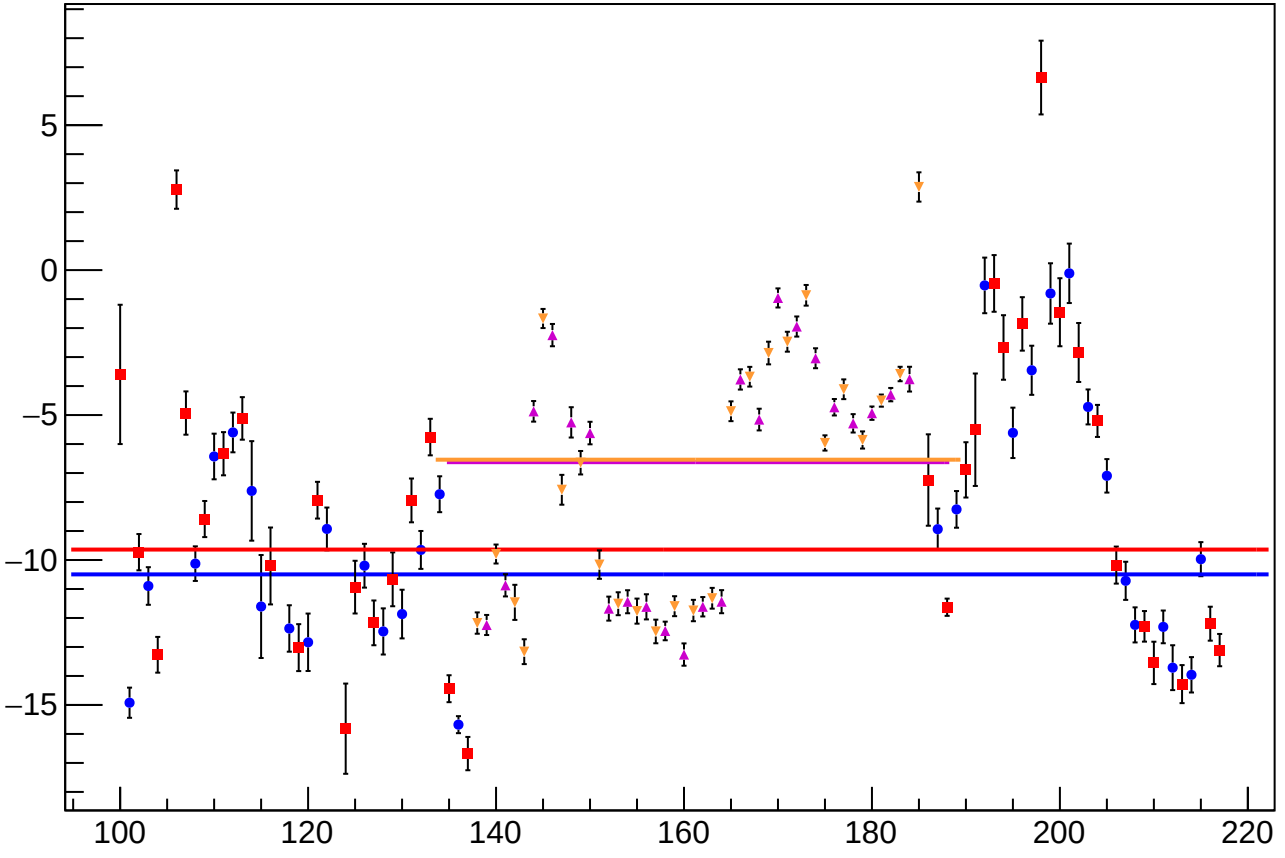
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.086+/-0.051 χ^2/NDF: 4981.2/55

All: -32.164+/-0.037 χ^2/NDF: 10790.4/114

- sign -32.246+/-0.053 χ^2/NDF: 5804.5/58

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.496+/-0.119 χ^2/NDF: 1122.7/30

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.640+/-0.116 χ^2/NDF: 1590.1/35

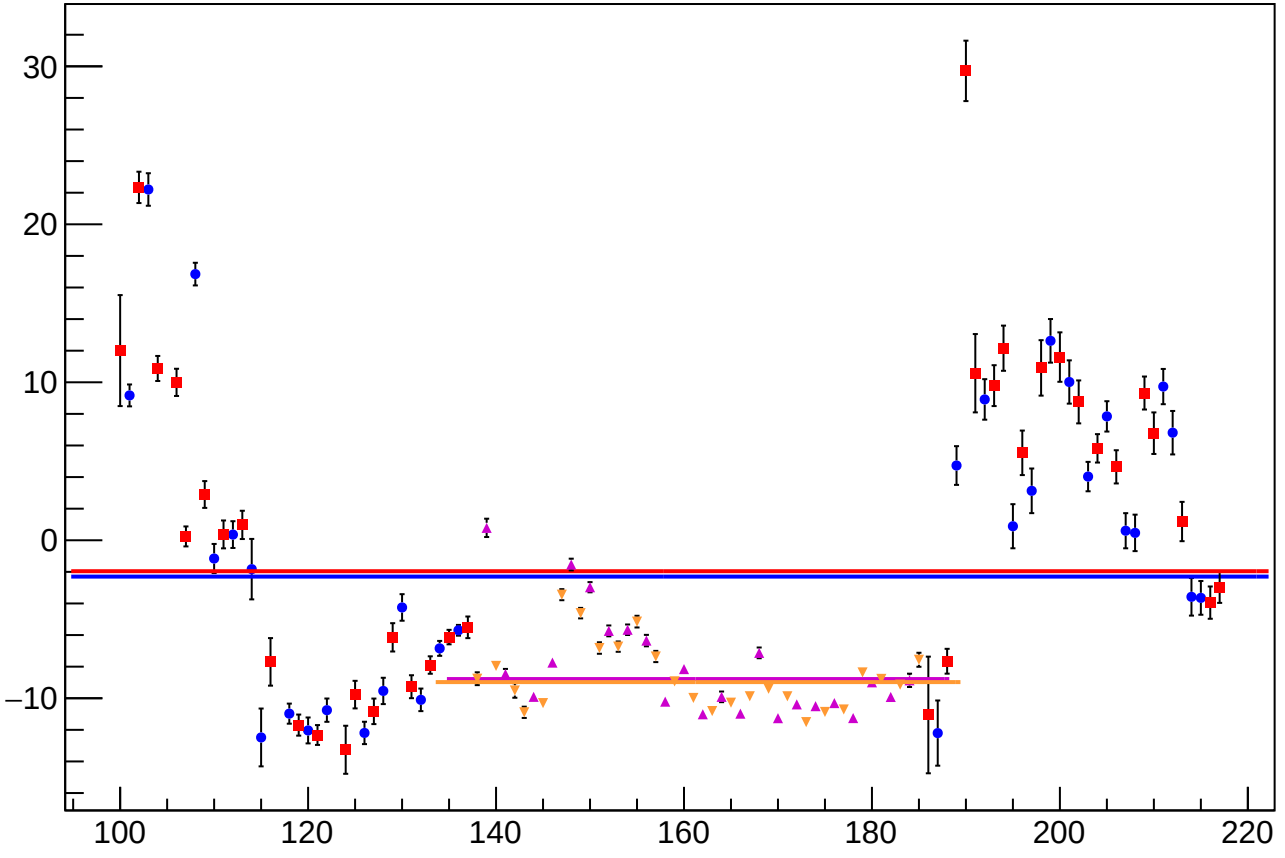
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.544+/-0.060 χ^2/NDF: 5186.8/55

All: -7.501+/-0.043 χ^2/NDF: 10177.6/114

- sign -7.457+/-0.061 χ^2/NDF: 4989.8/58

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.299+/-0.151 χ^2/NDF: 3325.6/30

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.959+/-0.152 χ^2/NDF: 3281.7/35

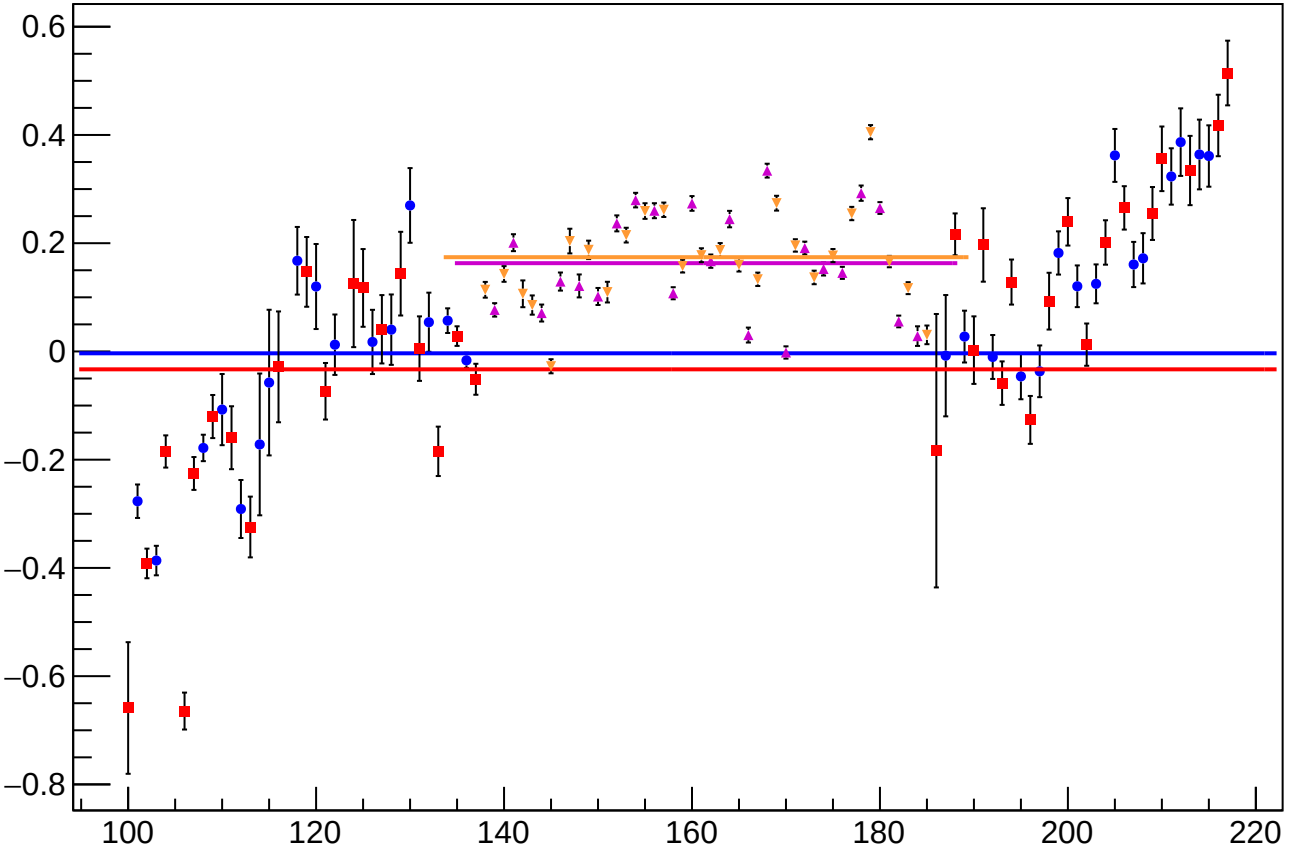
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.024+/-0.057 χ^2/NDF: 5984.2/55

All: -7.900+/-0.041 χ^2/NDF: 12686.3/114

- sign -7.769+/-0.059 χ^2/NDF: 6692.4/58

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.003+/-0.007 χ^2/NDF: 679.8/30

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.033+/-0.007 χ^2/NDF: 1152.3/35

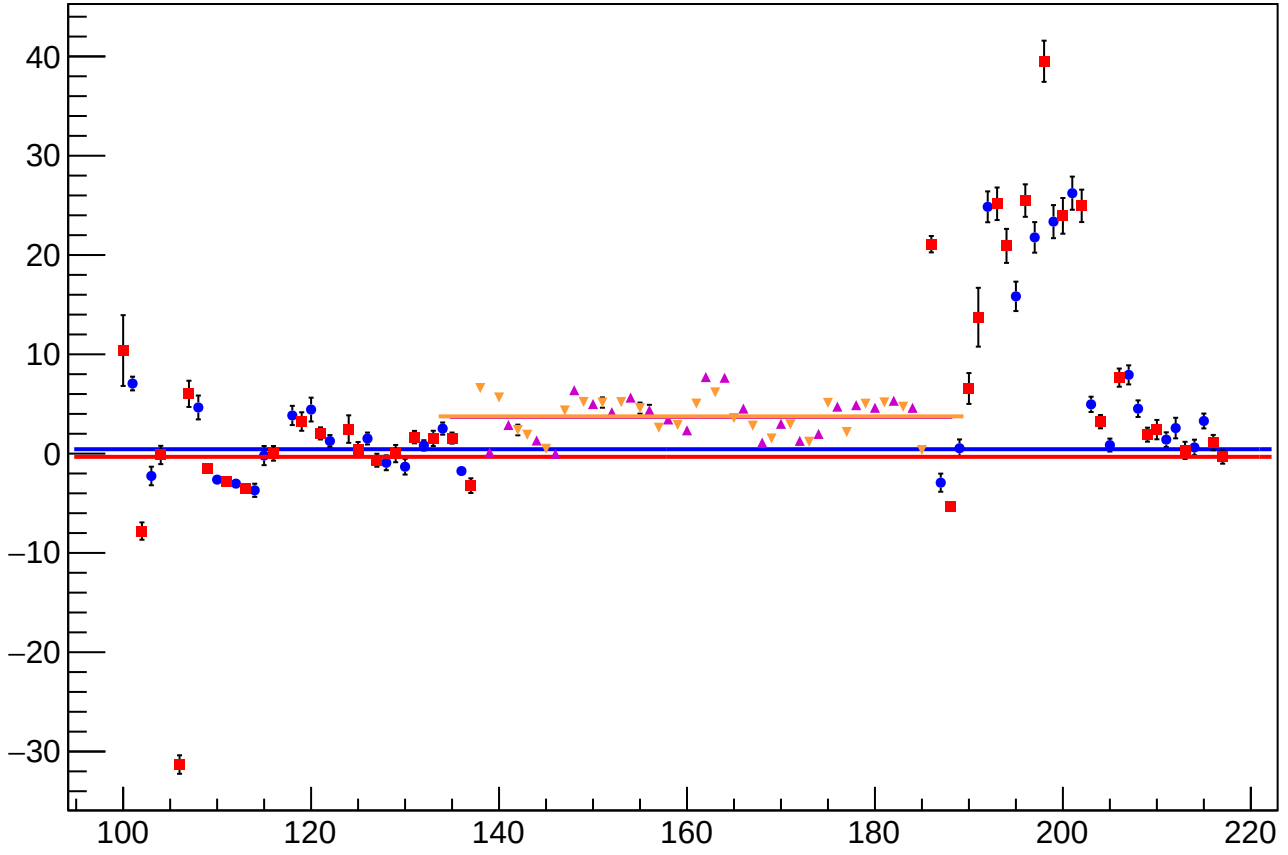
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.151+/-0.003 χ^2/NDF: 2162.7/55

All: 0.144+/-0.002 χ^2/NDF: 5169.6/114

- sign 0.138+/-0.003 χ^2/NDF: 2994.0/58

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.444+/-0.119 χ^2/NDF: 1604.0/30

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

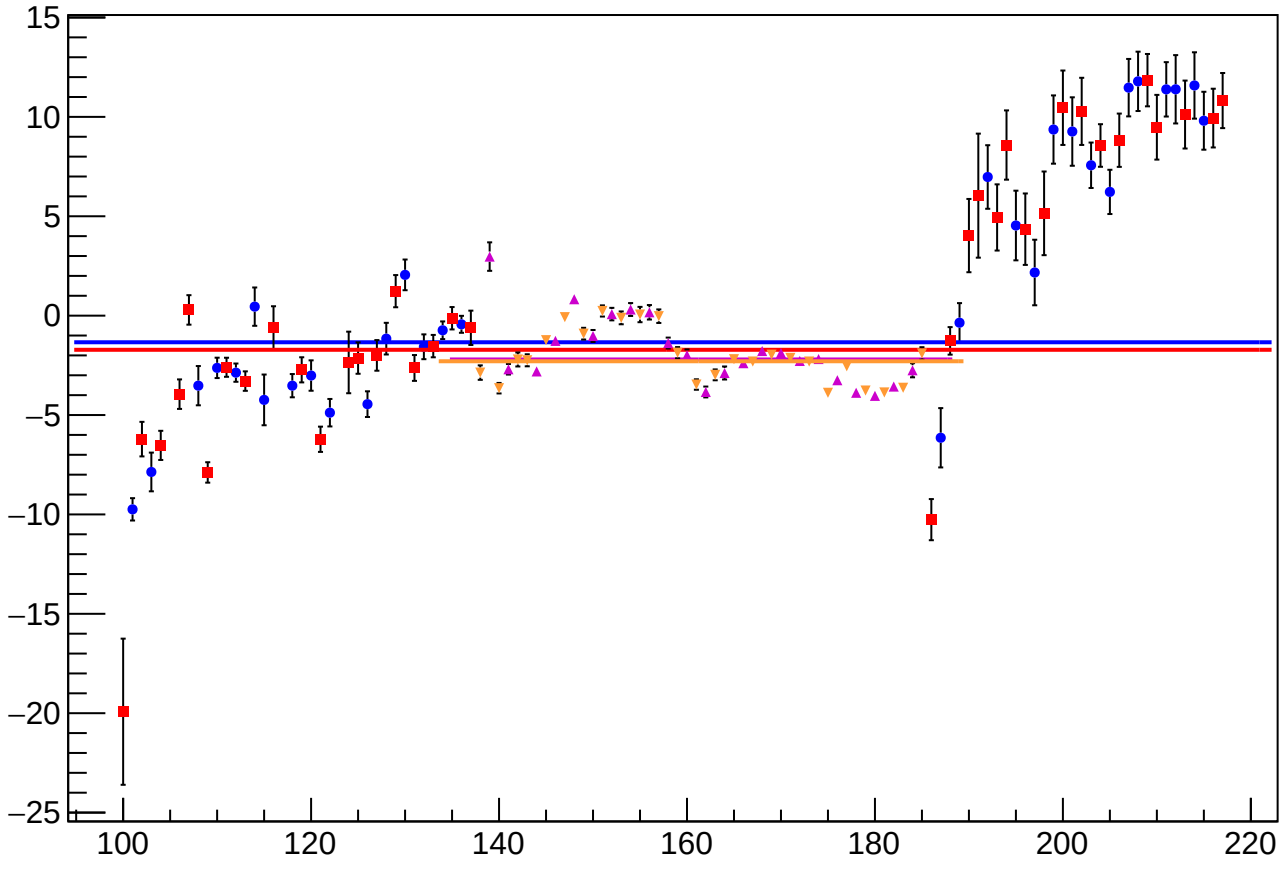
Right Out: -0.324+/-0.112 χ^2/NDF: 3864.6/35

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.043+/-0.055 χ^2/NDF: 3022.5/55

All: 2.871+/-0.039 χ^2/NDF: 8834.8/114

- sign 2.696+/-0.055 χ^2/NDF: 5792.5/58



Right In: -1.339+/-0.144 χ^2/NDF: 1047.0/30

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.718+/-0.142 χ^2/NDF: 1097.3/35

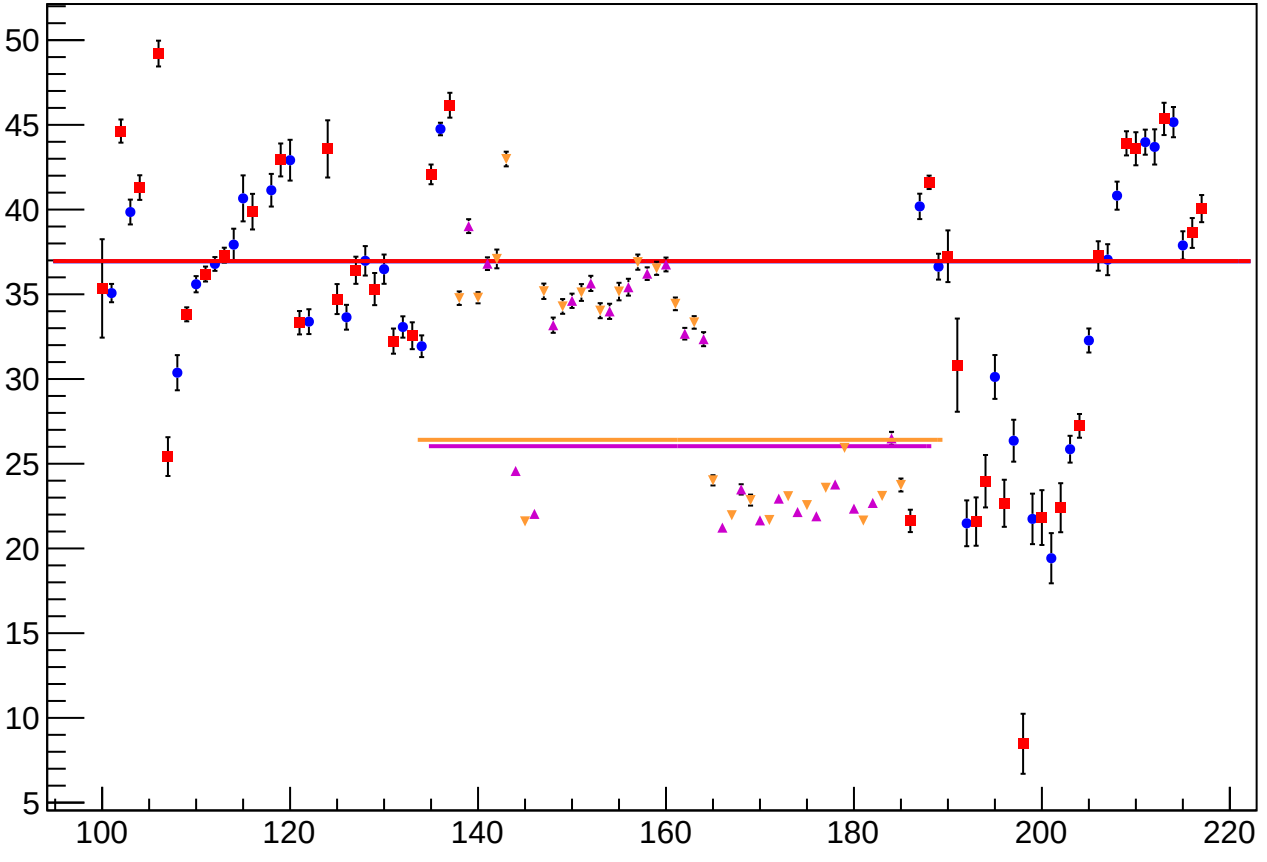
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.193+/-0.047 χ^2/NDF: 1718.0/55

All: -2.171+/-0.033 χ^2/NDF: 3550.7/114

- sign -2.149+/-0.048 χ^2/NDF: 1832.3/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.945+/-0.133 χ^2/NDF: 1691.9/30

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.960+/-0.127 χ^2/NDF: 2840.9/35

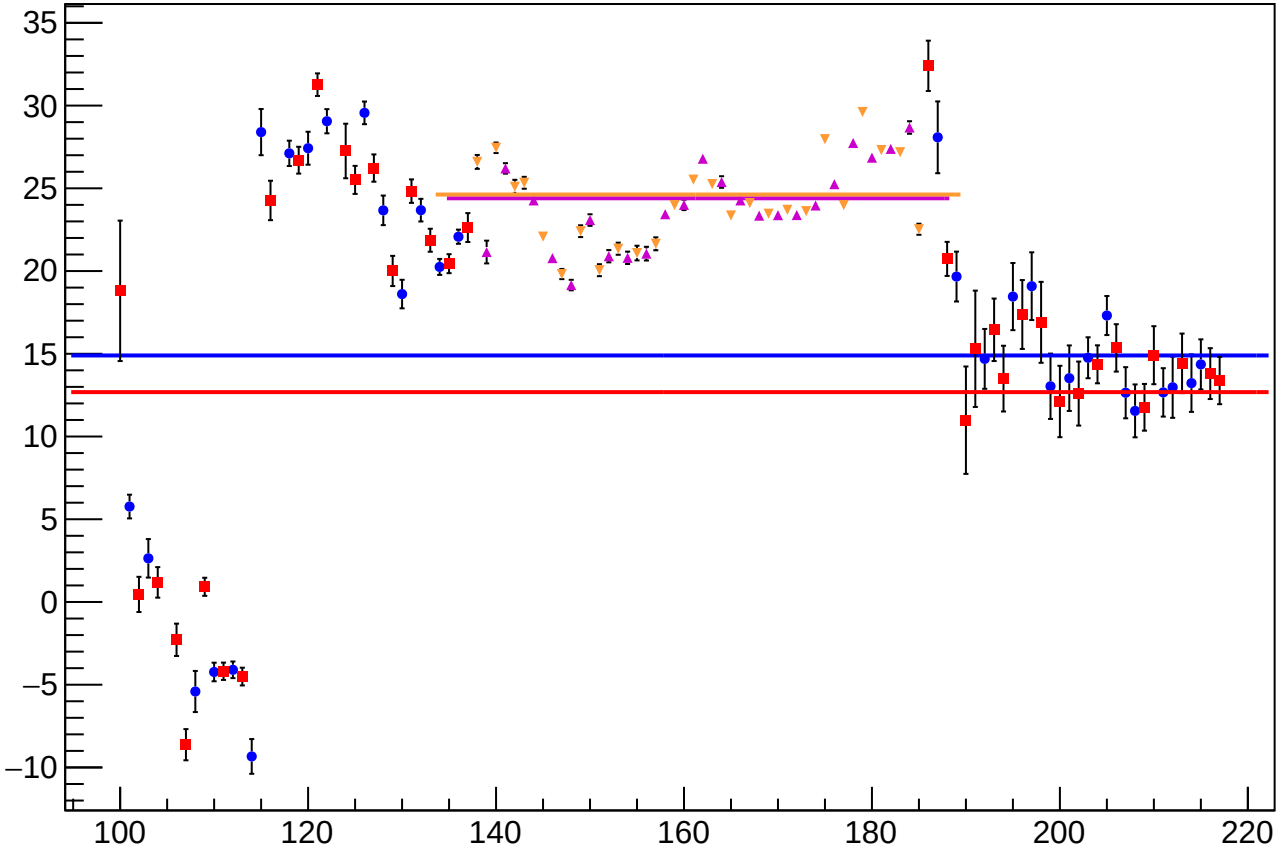
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.307+/-0.056 χ^2/NDF: 16064.0/55

All: 28.268+/-0.040 χ^2/NDF: 32617.6/114

- sign 28.228+/-0.057 χ^2/NDF: 16552.7/58

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.898+/-0.161 χ^2/NDF: 5757.4/30

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.684+/-0.162 χ^2/NDF: 6374.5/35

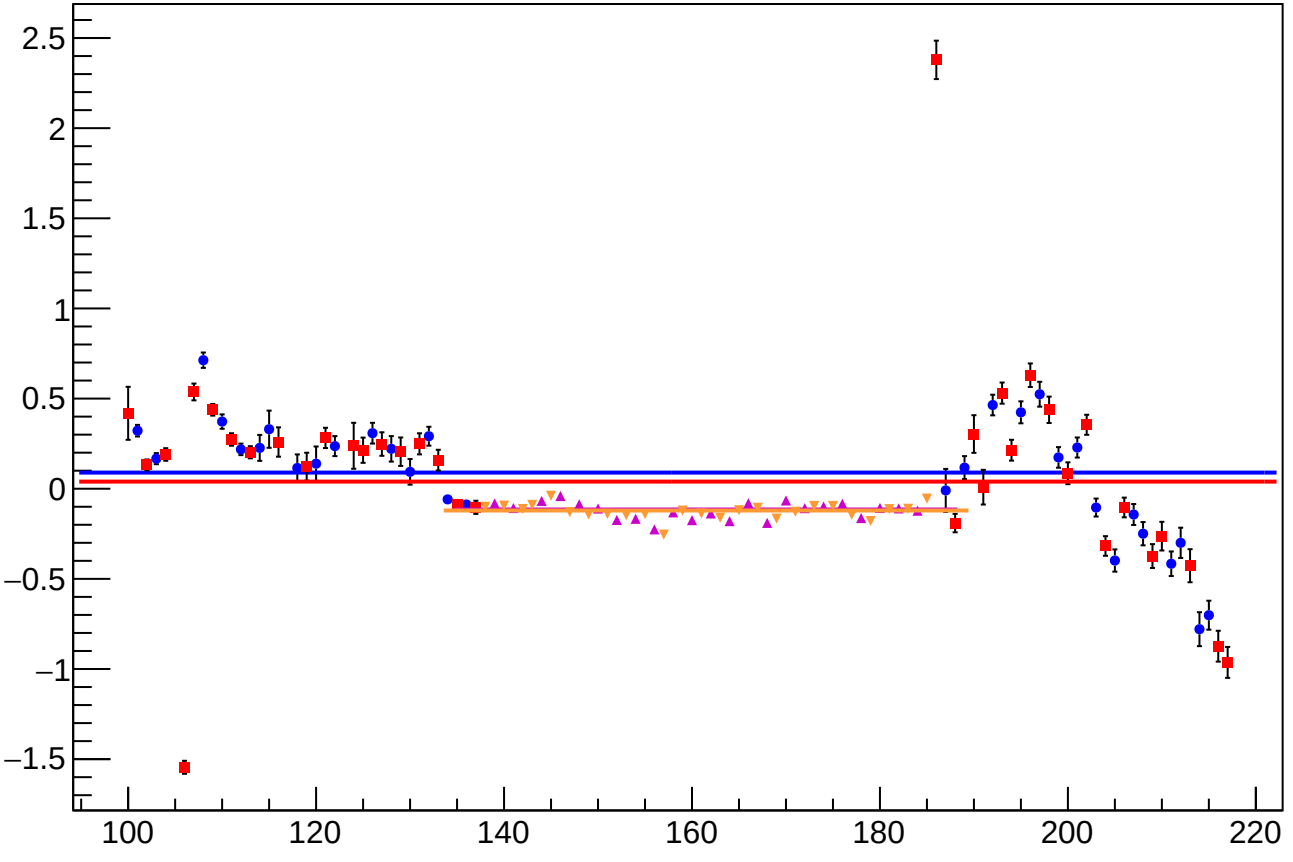
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.598+/-0.052 χ^2/NDF: 10985.5/55

All: 23.366+/-0.037 χ^2/NDF: 23793.5/114

\- sign 23.124+/-0.053 χ^2/NDF: 12767.6/58

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.090+/-0.008 χ^2/NDF: 1034.2/30

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

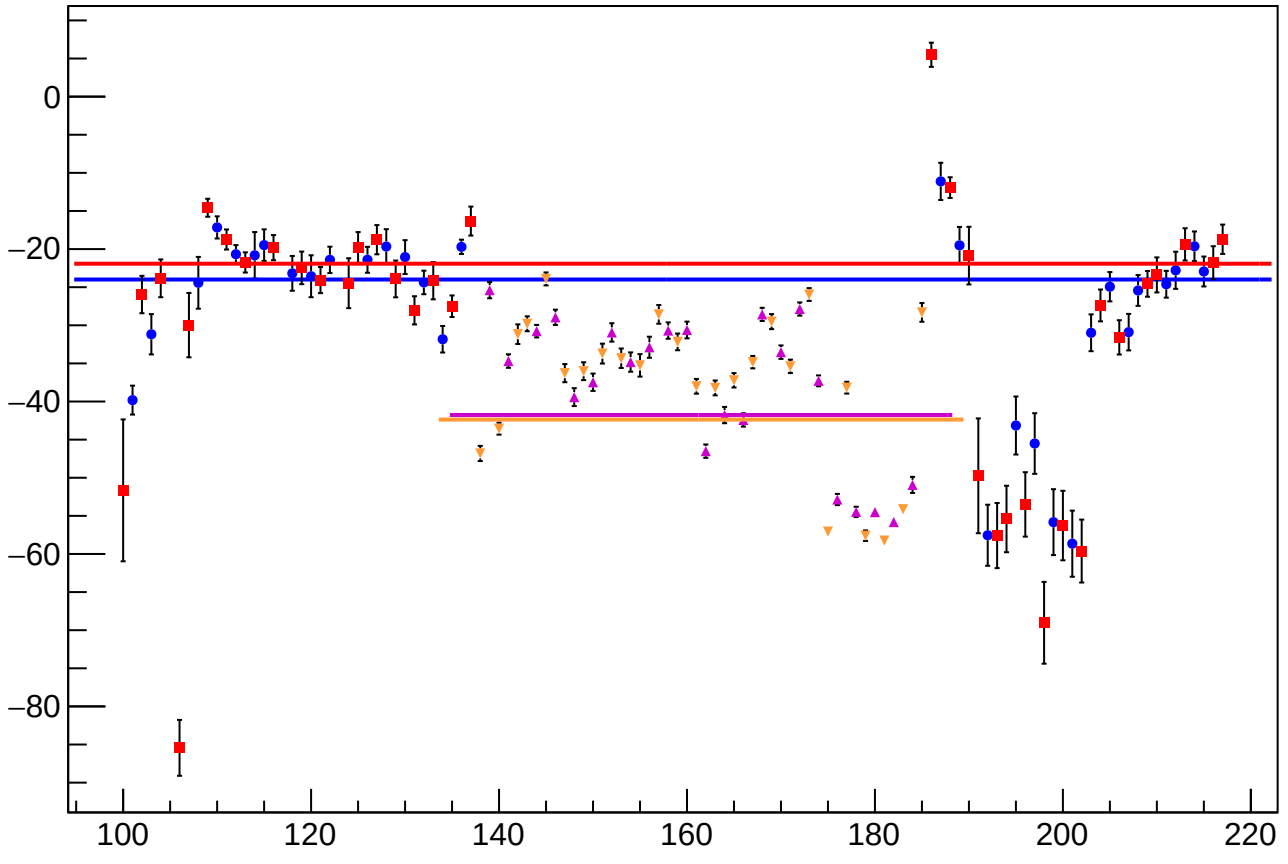
Right Out: 0.039+/-0.008 χ^2/NDF: 3526.9/35

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.103+/-0.002 χ^2/NDF: 1899.9/55

All: -0.103+/-0.002 χ^2/NDF: 6029.6/114

- sign -0.103+/-0.002 χ^2/NDF: 4129.6/58



Right In: -23.991+/-0.358 χ^2/NDF: 460.8/30

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.918+/-0.347 χ^2/NDF: 1207.0/35

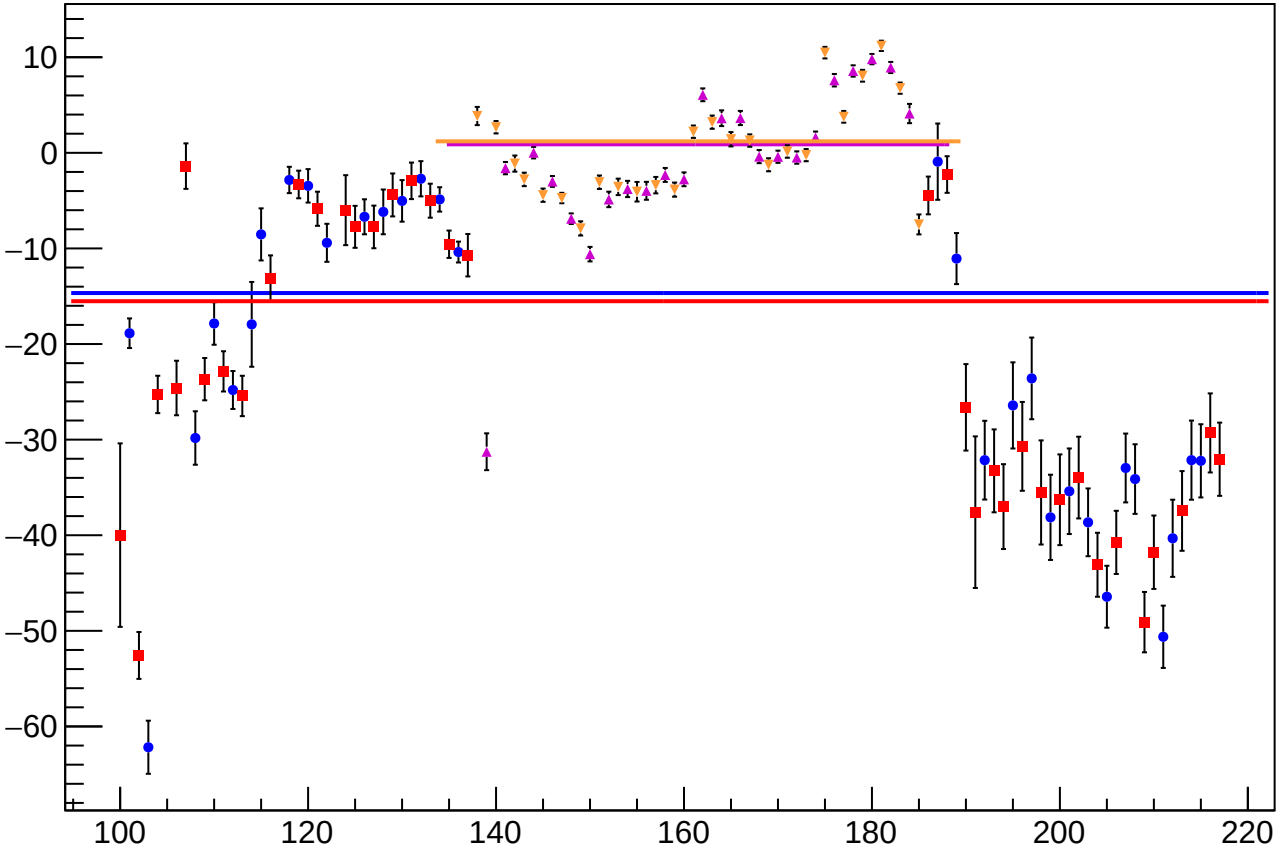
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -38.811+/-0.157 χ^2/NDF: 7065.7/55

All: -38.171+/-0.113 χ^2/NDF: 14328.0/114

- sign -37.501+/-0.161 χ^2/NDF: 7228.4/58

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -14.666+/-0.410 χ^2/NDF: 1143.0/30

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -15.520+/-0.418 χ^2/NDF: 1149.4/35

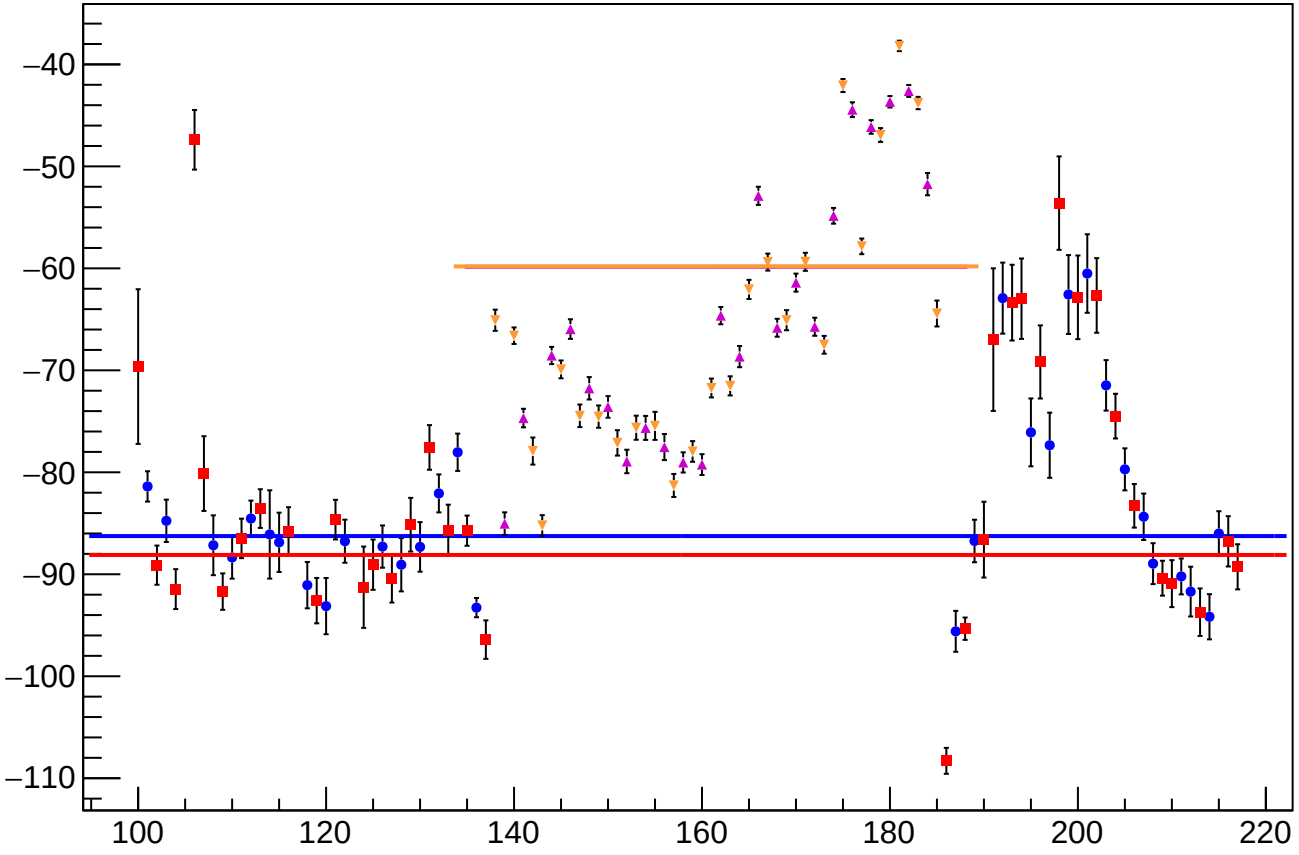
Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

\+ sign -0.413+/-0.131 χ^2/NDF: 3950.5/55

All: -0.615+/-0.094 χ^2/NDF: 8250.0/114

\- sign -0.831+/-0.135 χ^2/NDF: 4294.6/58

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -86.253+/-0.379 χ^2/NDF: 342.8/30

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.104+/-0.369 χ^2/NDF: 890.4/35

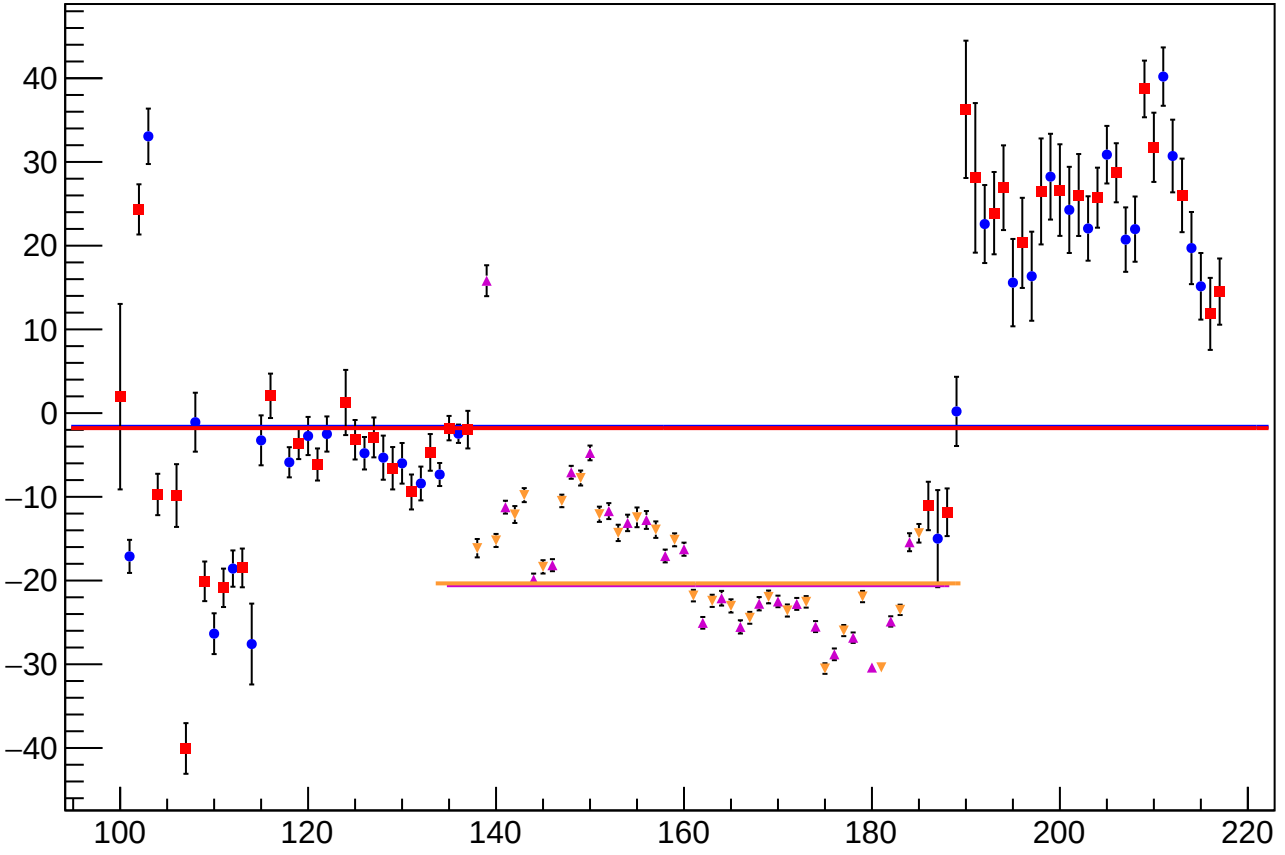
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.466+/-0.159 χ^2/NDF: 10995.1/55

All: -64.893+/-0.114 χ^2/NDF: 22168.9/114

- sign -65.339+/-0.163 χ^2/NDF: 11159.1/58

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -1.636+/-0.461 χ^2/NDF: 960.8/30

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.795+/-0.479 χ^2/NDF: 1081.1/35

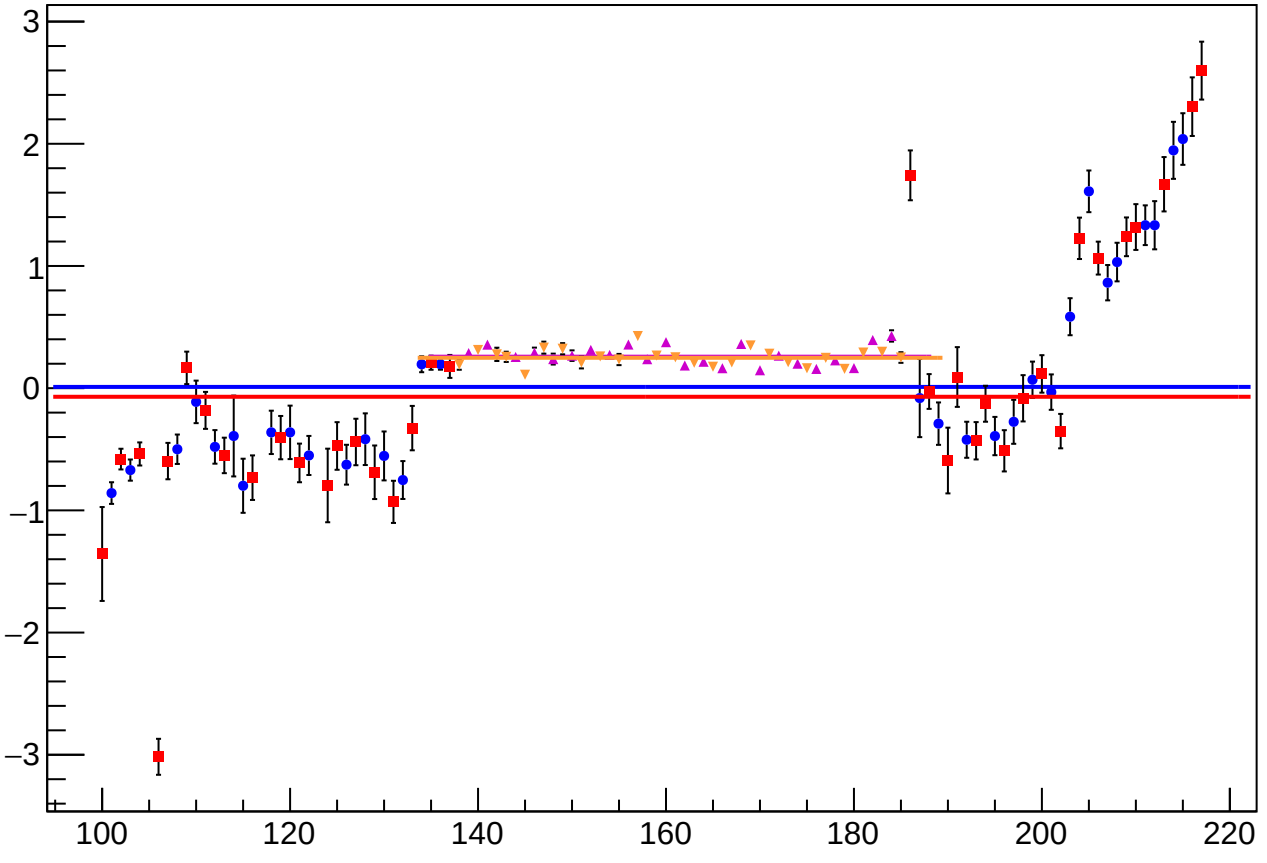
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.451+/-0.147 χ^2/NDF: 4139.2/55

All: -18.561+/-0.105 χ^2/NDF: 8798.3/114

- sign -18.678+/-0.151 χ^2/NDF: 4658.0/58

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.010+/-0.023 χ^2/NDF: 772.8/30

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.070+/-0.024 χ^2/NDF: 1247.1/35

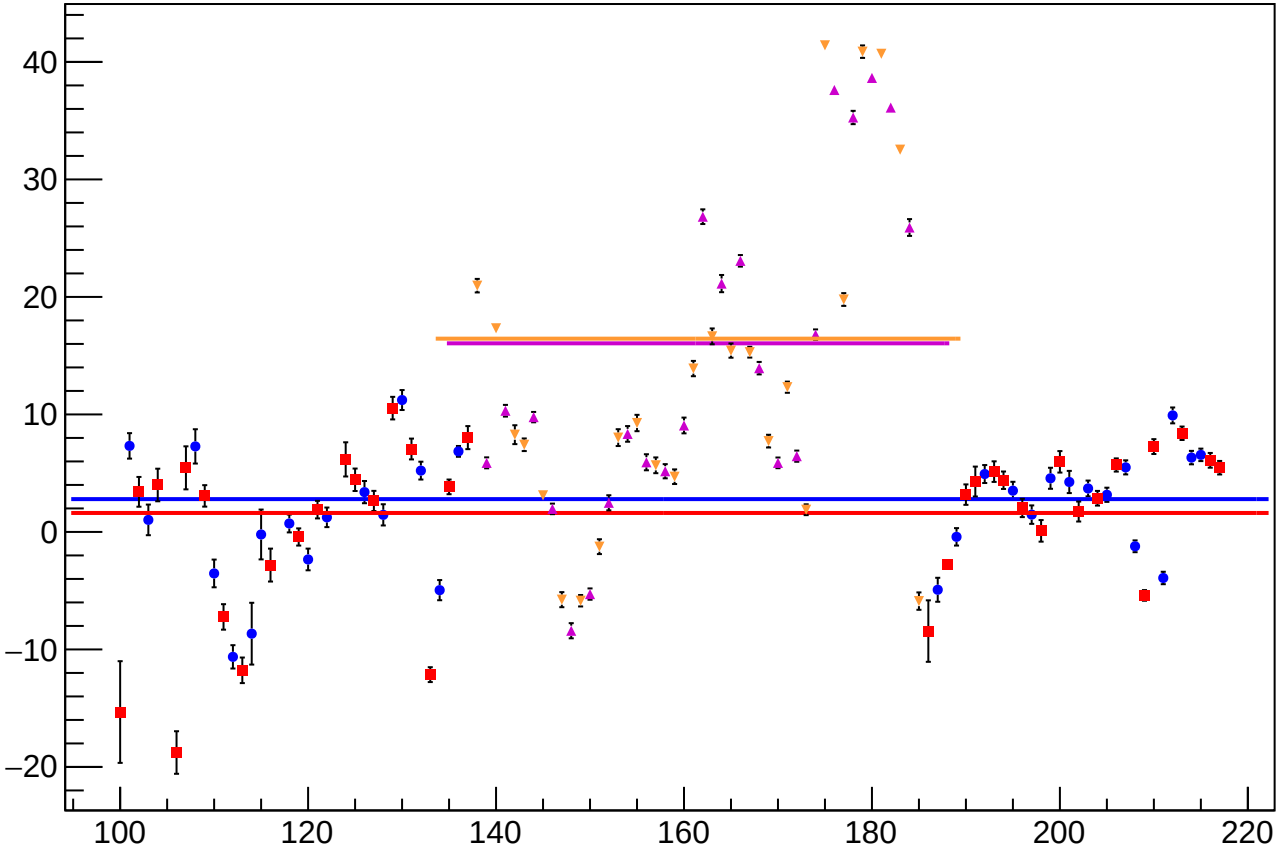
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.228+/-0.007 χ^2/NDF: 965.7/55

All: 0.230+/-0.005 χ^2/NDF: 2518.1/114

- sign 0.231+/-0.007 χ^2/NDF: 1552.3/58

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.793+/-0.136 χ^2/NDF: 1114.2/30

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

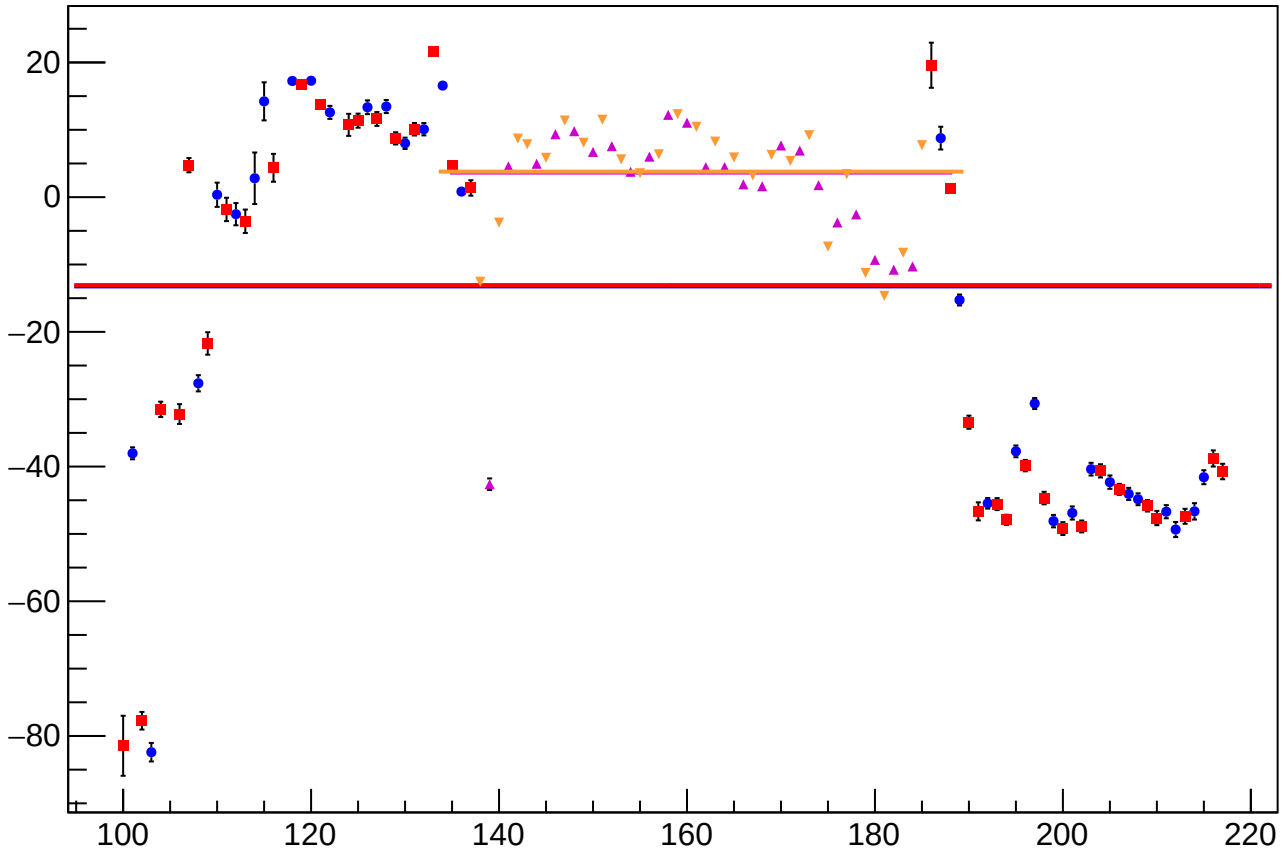
Right Out: 1.614+/-0.129 χ^2/NDF: 1888.3/35

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.401+/-0.083 χ^2/NDF: 28886.3/55

All: 10.789+/-0.058 χ^2/NDF: 55884.9/114

- sign 10.177+/-0.083 χ^2/NDF: 26888.6/58



Right In: -13.251+/-0.159 χ^2/NDF: 30680.4/30

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.057+/-0.152 χ^2/NDF: 35272.9/35

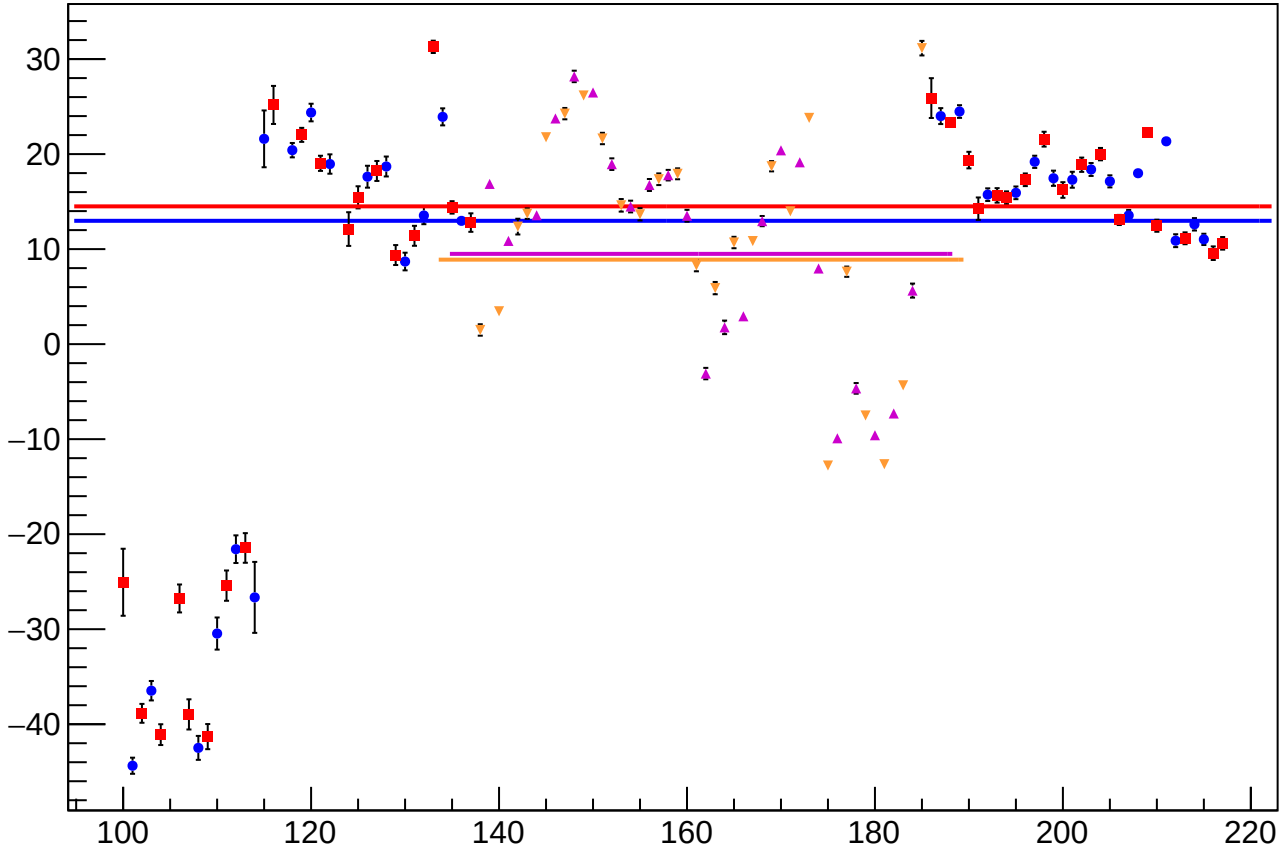
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 0.358+/-0.072 χ^2/NDF: 48899.8/55

All: 0.101+/-0.051 χ^2/NDF: 101769.3/114

- sign -0.166+/-0.073 χ^2/NDF: 52843.2/58

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.979+/-0.136 χ^2/NDF: 11820.9/30

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

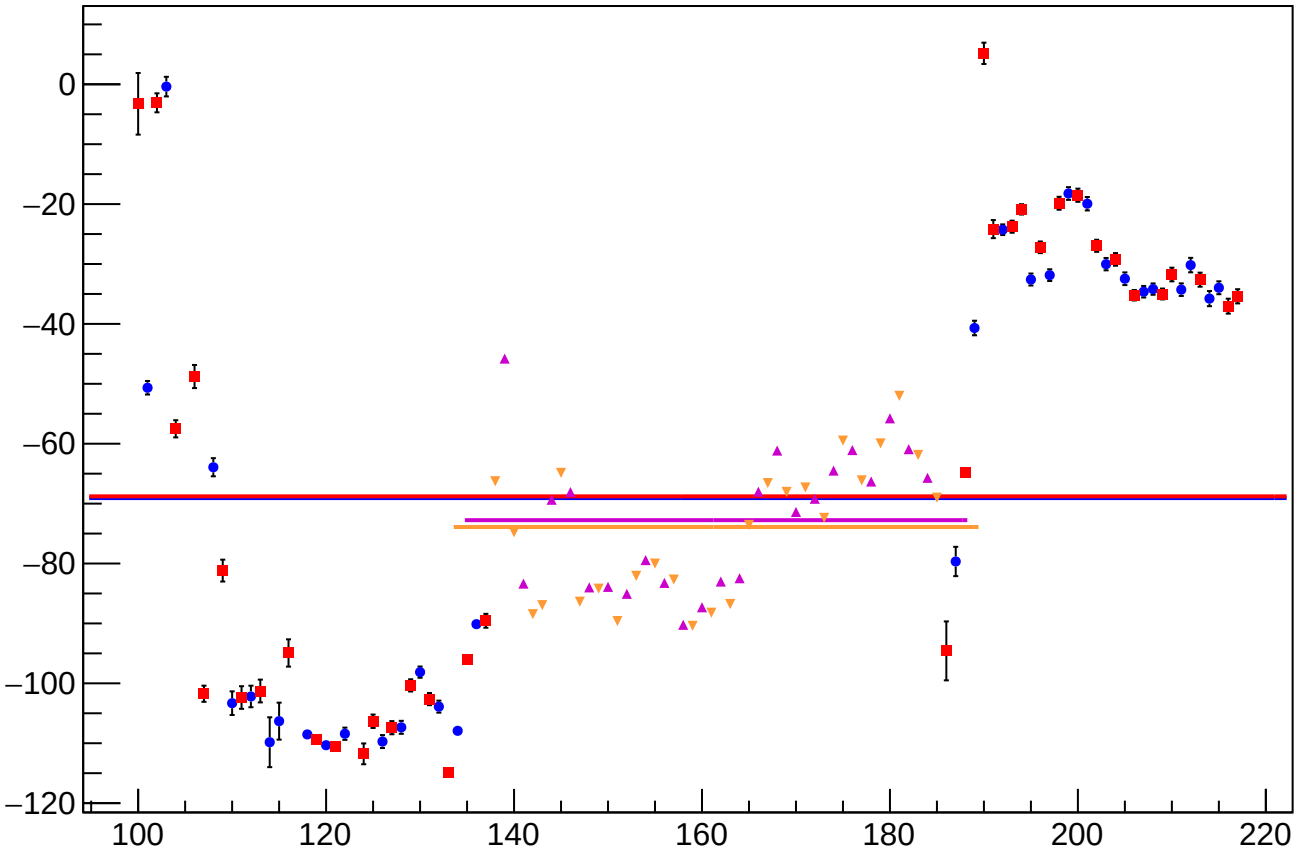
Right Out: 14.499+/-0.128 χ^2/NDF: 12873.2/35

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.394+/-0.083 χ^2/NDF: 27819.5/55

All: 10.978+/-0.058 χ^2/NDF: 54737.5/114

- sign 11.553+/-0.082 χ^2/NDF: 26818.5/58



Right In: -69.075+/-0.182 χ^2/NDF: 40294.0/30

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

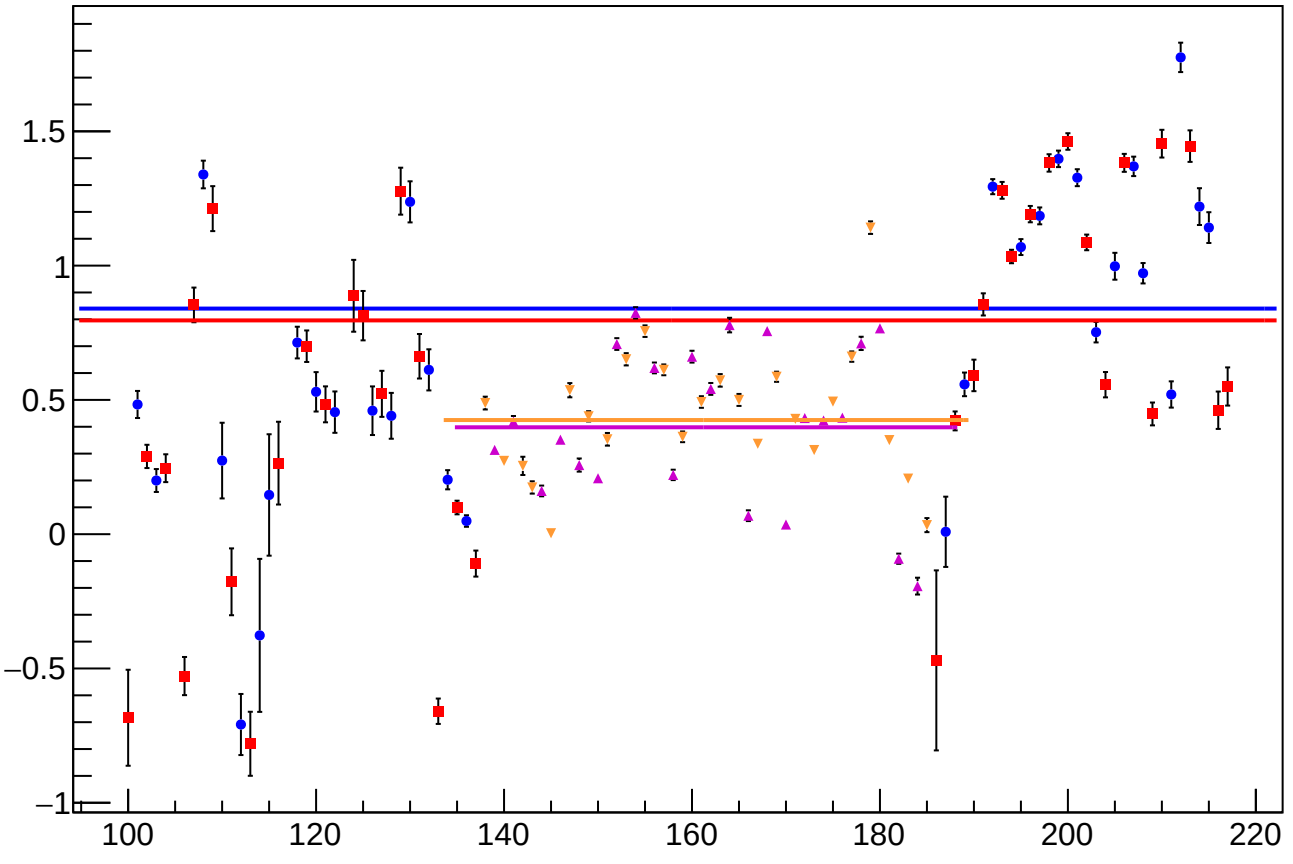
Right Out: -68.785+/-0.177 χ^2/NDF: 47482.6/35

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -72.953+/-0.081 χ^2/NDF: 56424.0/55

All: -72.435+/-0.058 χ^2/NDF: 116997.5/114

\- sign -71.897+/-0.083 χ^2/NDF: 60490.2/58



Right In: 0.840+/-0.008 χ^2/NDF: 4118.8/30

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.796+/-0.008 χ^2/NDF: 5311.6/35

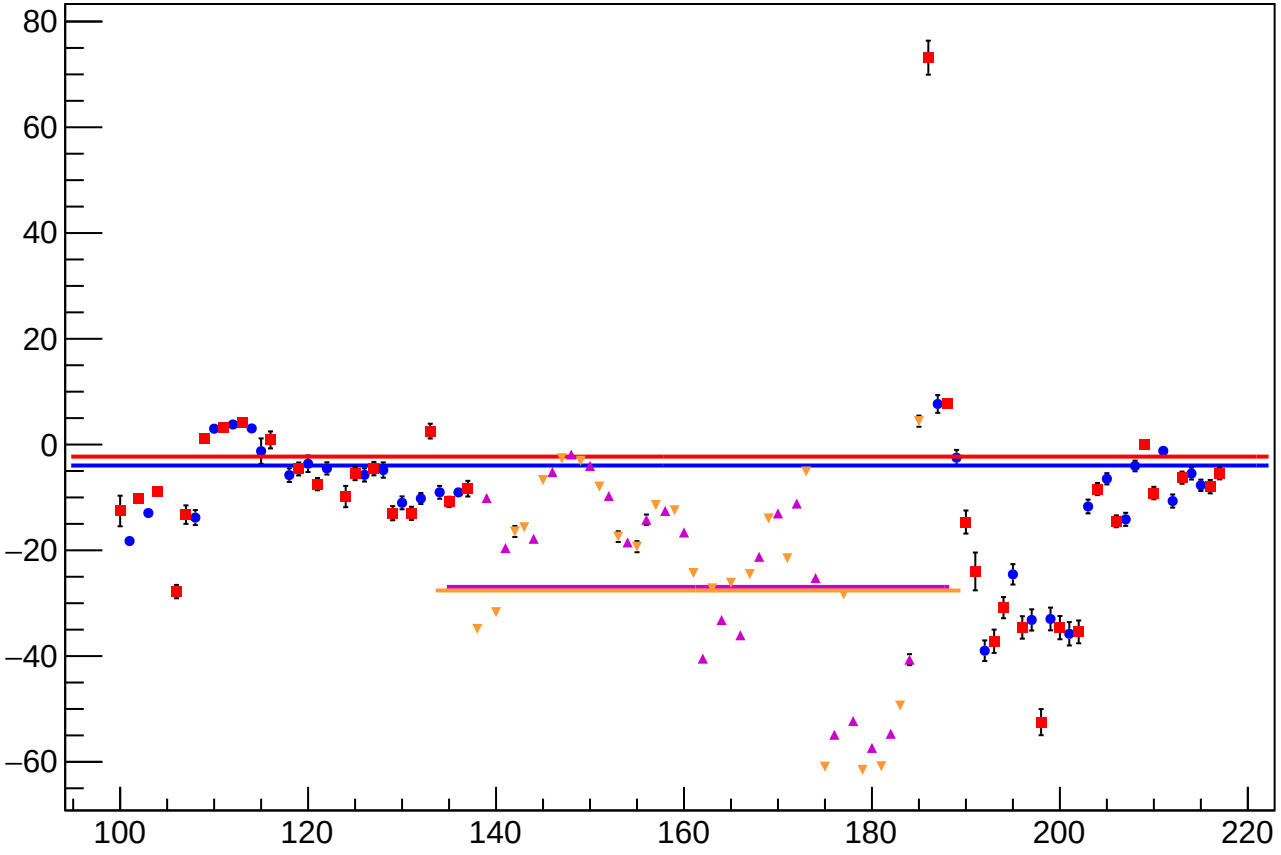
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.509+/-0.004 χ^2/NDF: 9287.2/55

All: 0.498+/-0.003 χ^2/NDF: 20954.9/114

- sign 0.486+/-0.004 χ^2/NDF: 11647.5/58

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.965+/-0.167 χ^2/NDF: 2823.6/30

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.278+/-0.152 χ^2/NDF: 4105.6/35

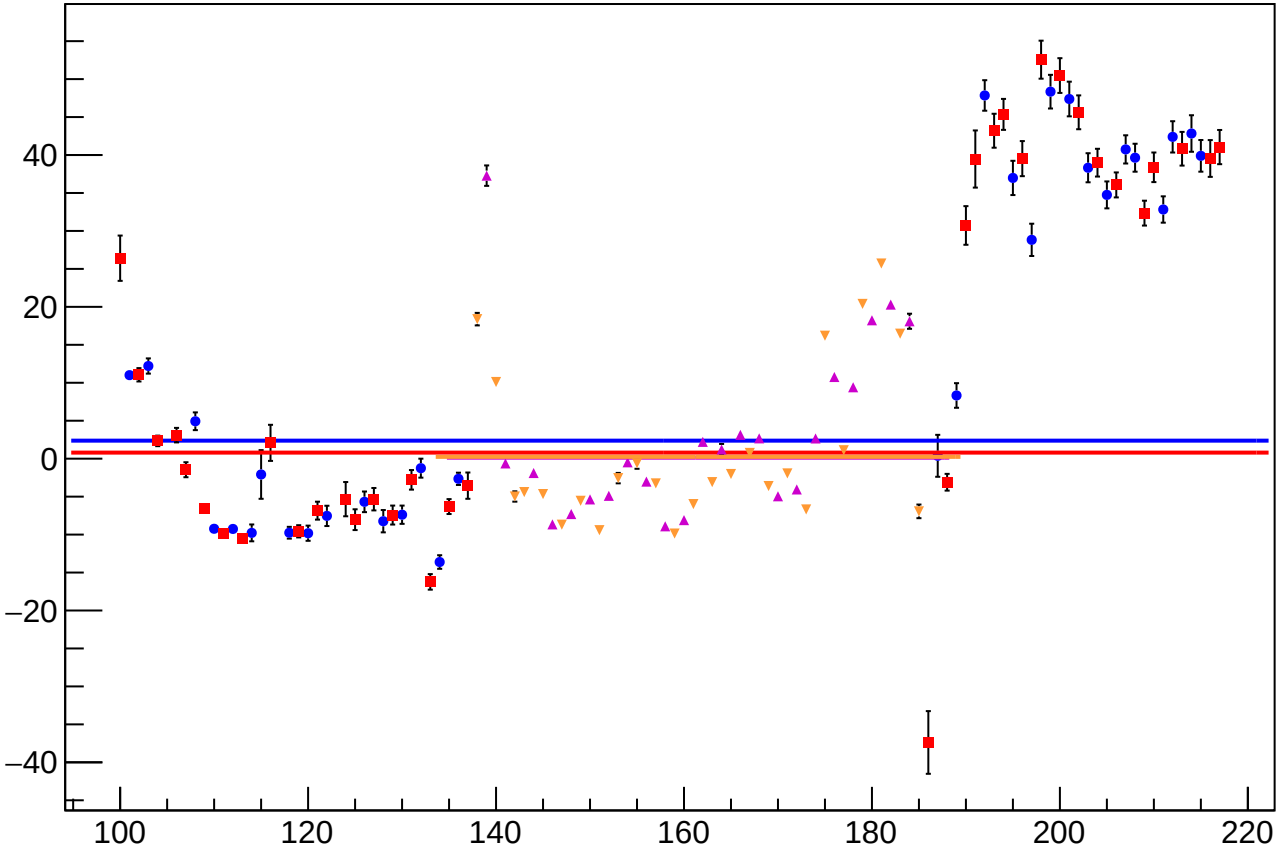
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.522+/-0.109 χ^2/NDF: 34013.1/55

All: -16.119+/-0.076 χ^2/NDF: 67397.7/114

- sign -14.791+/-0.106 χ^2/NDF: 33063.9/58

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 2.374+/-0.207 χ^2/NDF: 6721.3/30

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 0.799+/-0.200 χ^2/NDF: 7014.5/35

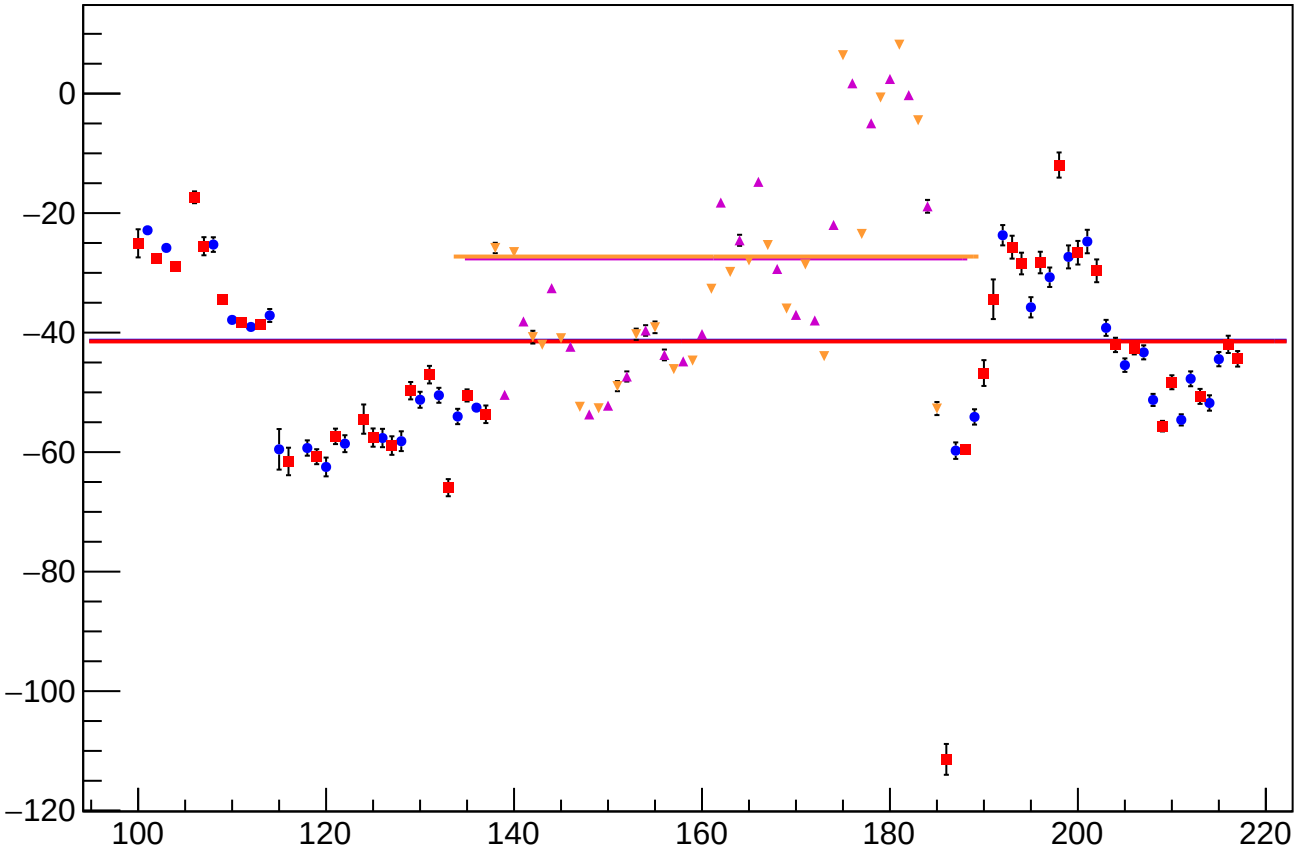
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.711+/-0.097 χ^2/NDF: 14839.9/55

All: 0.508+/-0.070 χ^2/NDF: 27709.1/114

- sign 0.297+/-0.099 χ^2/NDF: 12860.3/58

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.357+/-0.187 χ^2/NDF: 4004.9/30

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.474+/-0.177 χ^2/NDF: 5358.0/35

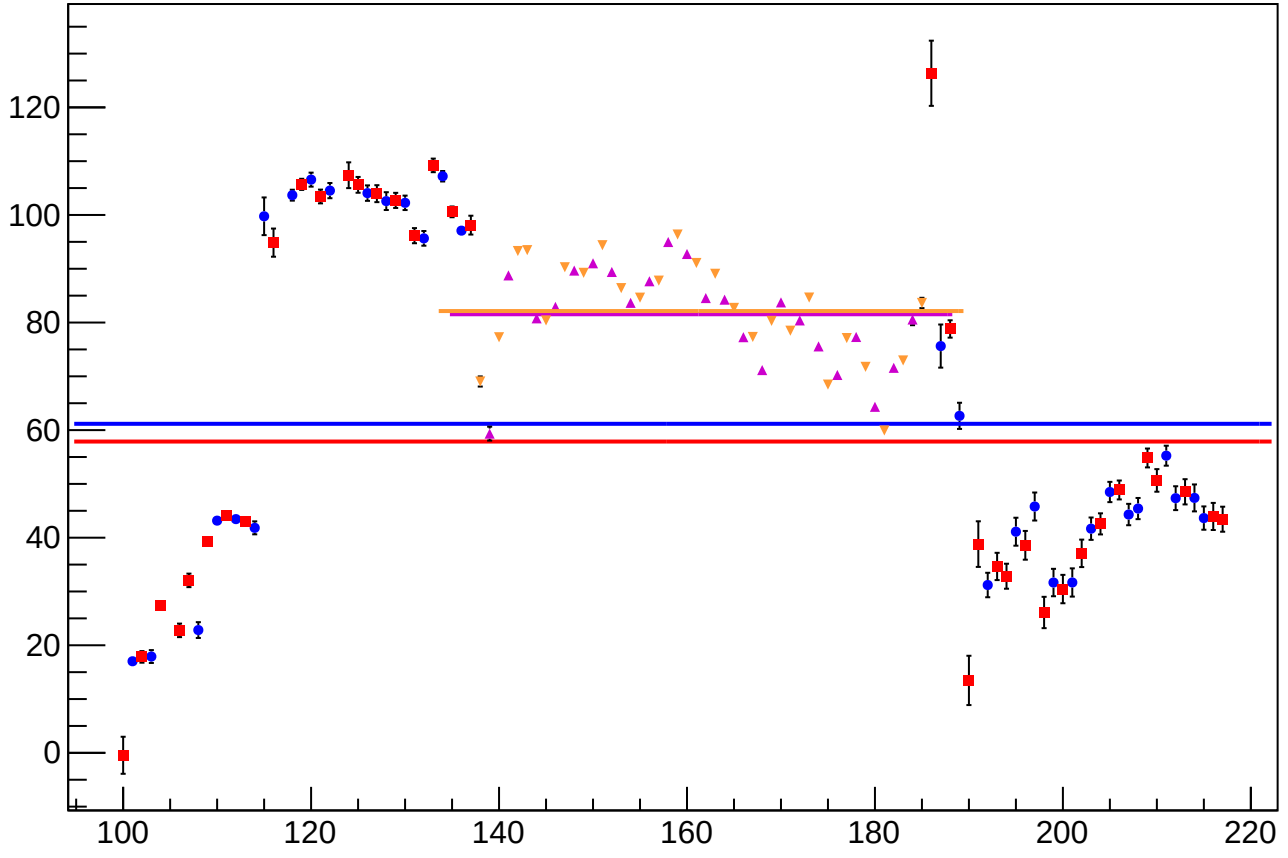
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -32.502+/-0.114 χ^2/NDF: 26090.4/55

All: -32.916+/-0.080 χ^2/NDF: 50755.9/114

- sign -33.326+/-0.113 χ^2/NDF: 24639.2/58

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.173+/-0.236 χ^2/NDF: 19690.2/30

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.876+/-0.228 χ^2/NDF: 18633.8/35

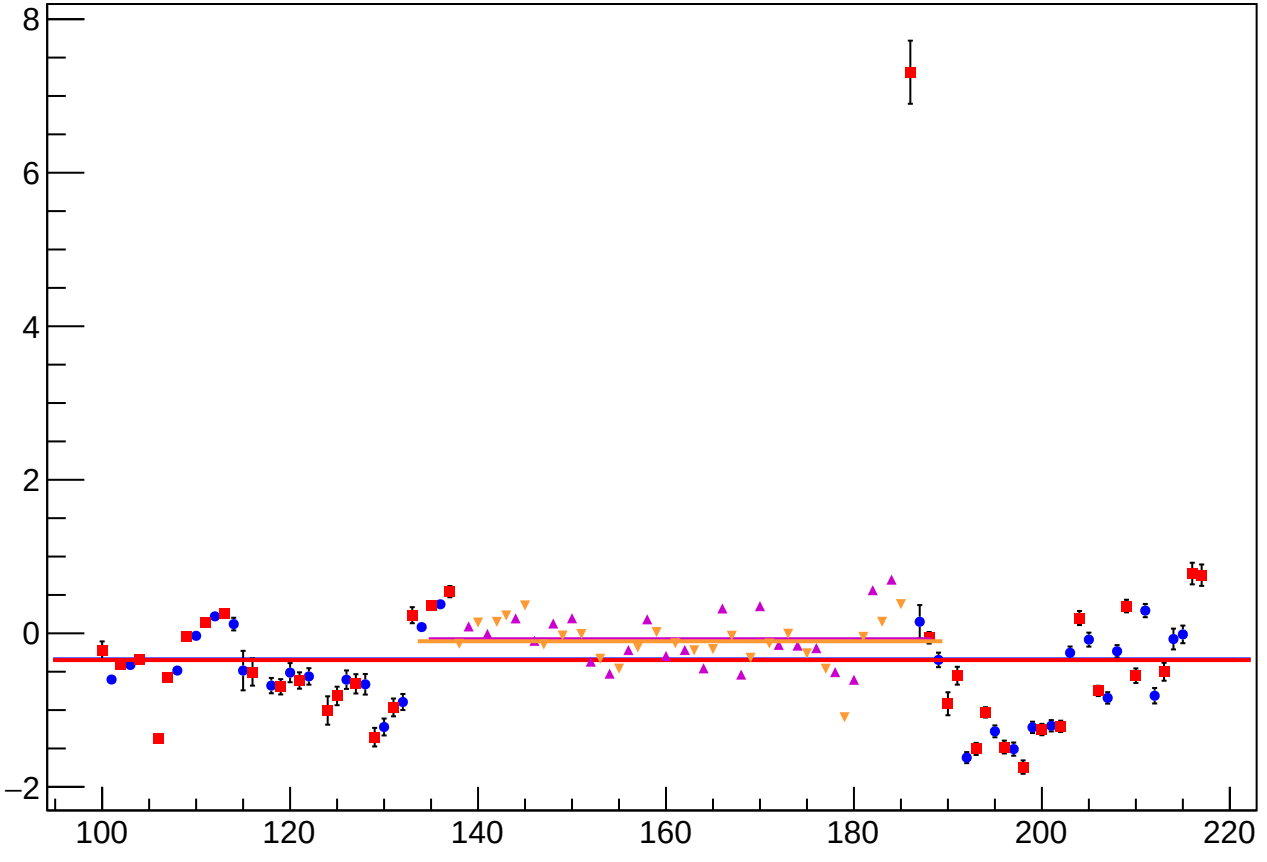
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.548+/-0.110 χ^2/NDF: 31241.3/55

All: 76.692+/-0.079 χ^2/NDF: 62200.6/114

- sign 75.805+/-0.112 χ^2/NDF: 30836.5/58

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.340+/-0.012 χ^2/NDF: 2118.3/30

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.348+/-0.011 χ^2/NDF: 3173.5/35

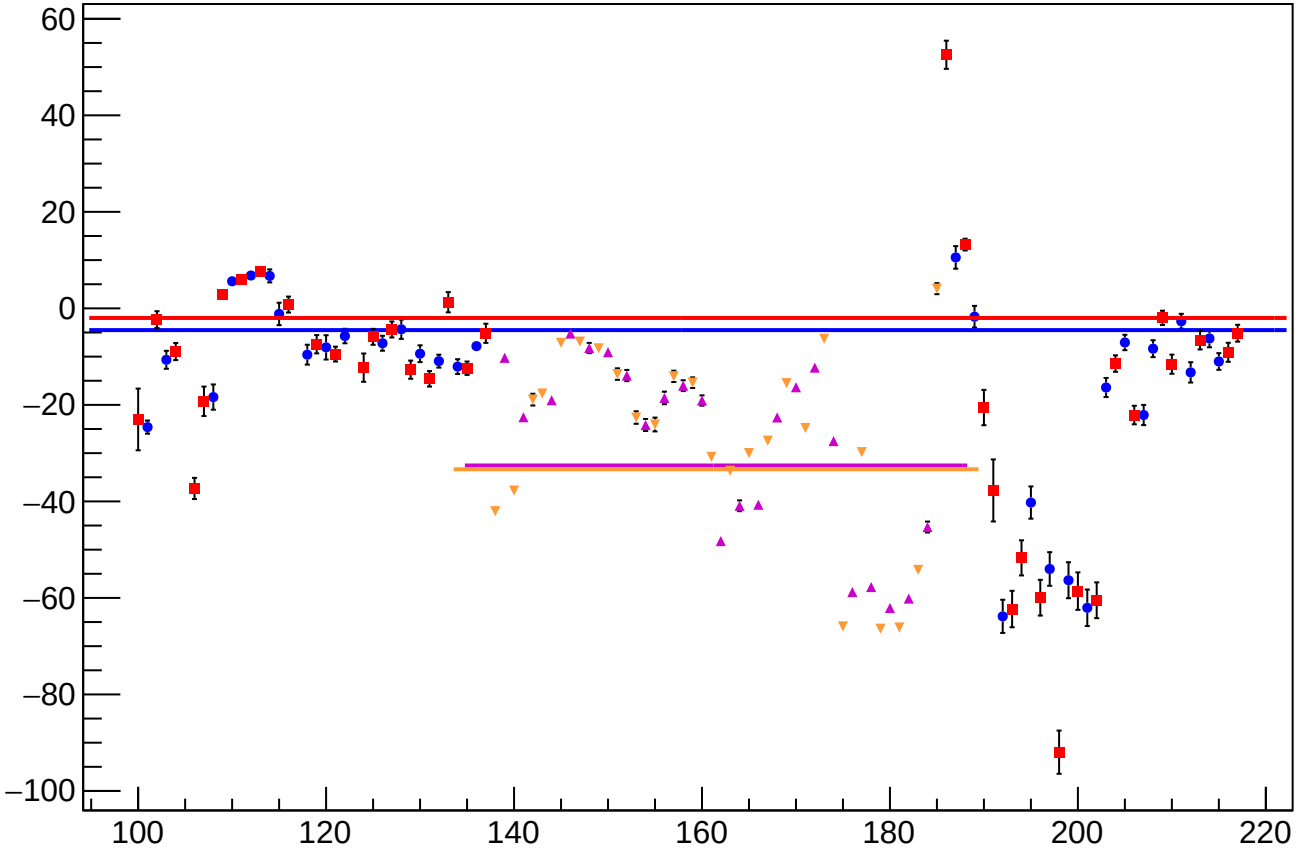
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.148+/-0.005 χ^2/NDF: 4866.7/55

All: -0.141+/-0.004 χ^2/NDF: 11835.3/114

- sign -0.134+/-0.005 χ^2/NDF: 6964.6/58

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.504+/-0.269 χ^2/NDF: 2214.7/30

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.987+/-0.250 χ^2/NDF: 3281.7/35

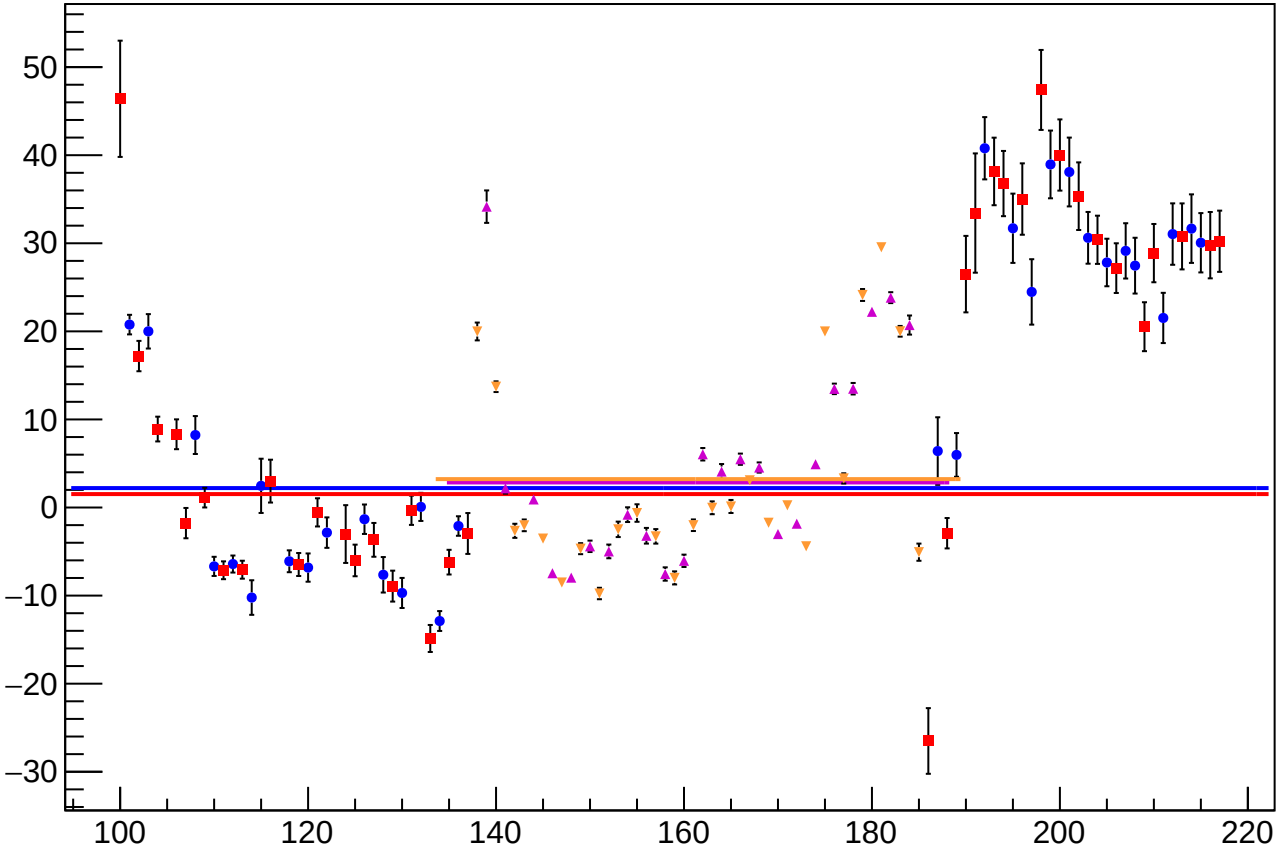
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -25.497+/-0.140 χ^2/NDF: 28559.3/55

All: -24.202+/-0.099 χ^2/NDF: 56179.8/114

\- sign -22.913+/-0.140 χ^2/NDF: 27450.8/58

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 2.206+/-0.328 χ^2/NDF: 1866.1/30

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

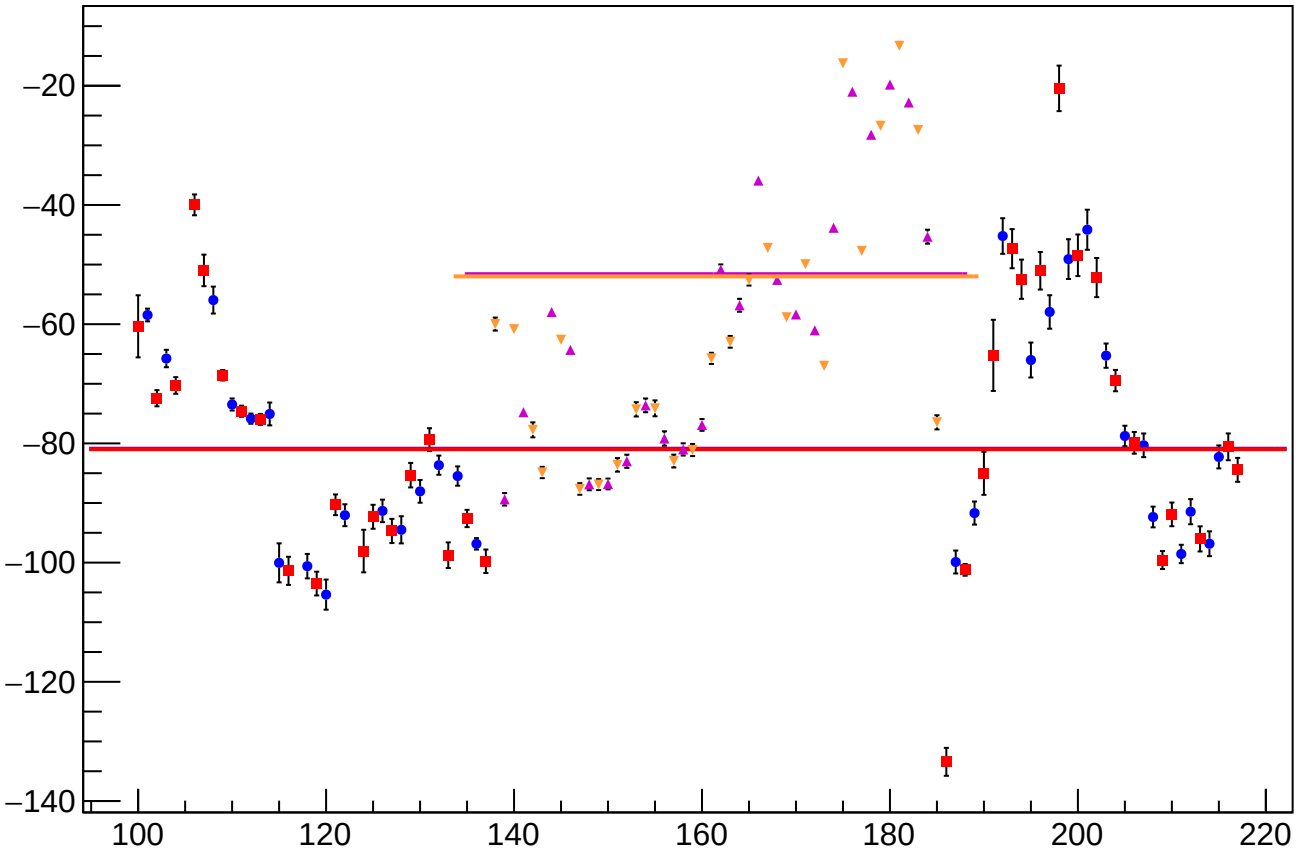
Right Out: 1.525+/-0.325 χ^2/NDF: 1705.8/35

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 3.089+/-0.119 χ^2/NDF: 9550.1/55

All: 2.879+/-0.085 χ^2/NDF: 16731.9/114

- sign 2.660+/-0.122 χ^2/NDF: 7175.5/58



Right In: -80.898+/-0.303 χ^2/NDF: 2285.6/30

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.977+/-0.291 χ^2/NDF: 3527.0/35

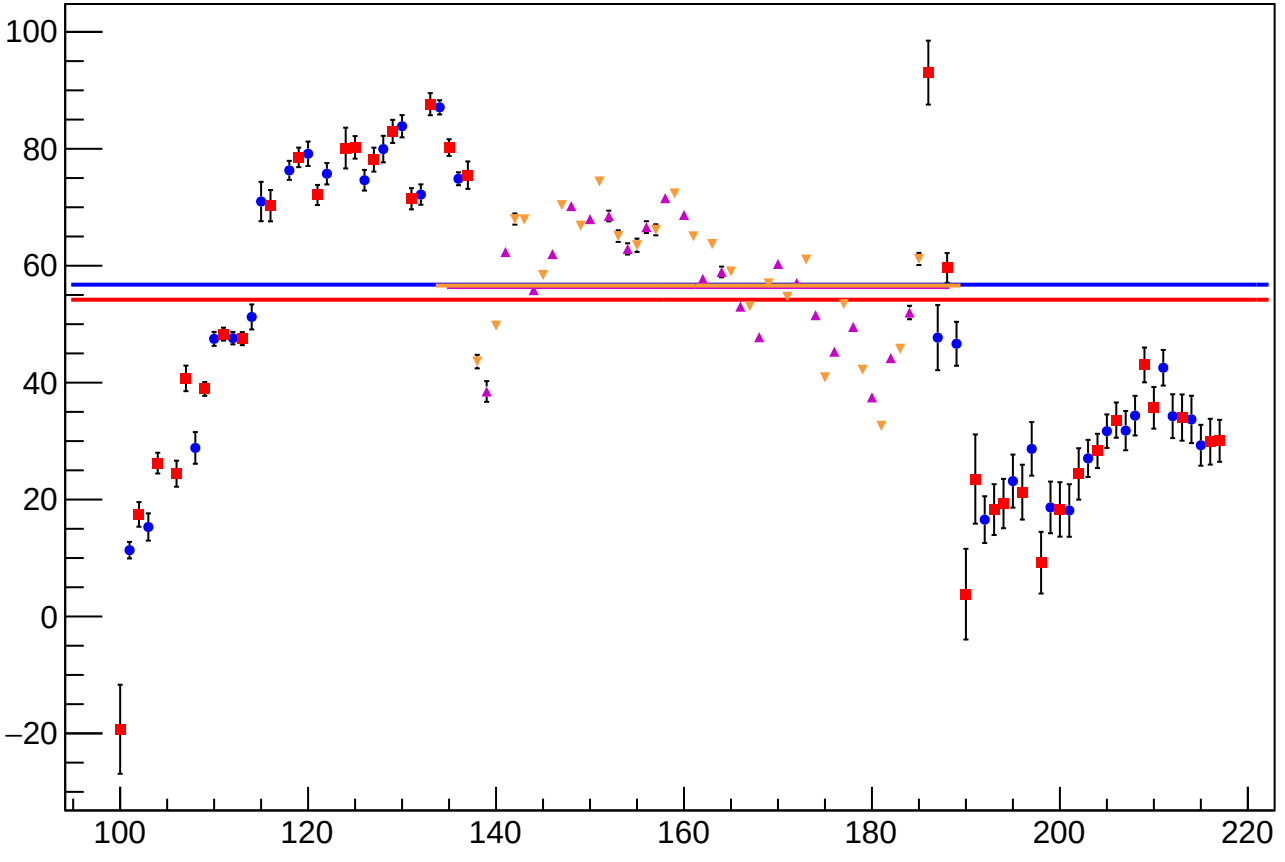
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

\+ sign -58.592+/-0.145 χ^2/NDF: 30210.0/55

All: -58.811+/-0.103 χ^2/NDF: 58990.3/114

\- sign -59.034+/-0.146 χ^2/NDF: 28775.7/58

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 56.761+/-0.370 χ^2/NDF: 4114.9/30

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.187+/-0.368 χ^2/NDF: 3606.1/35

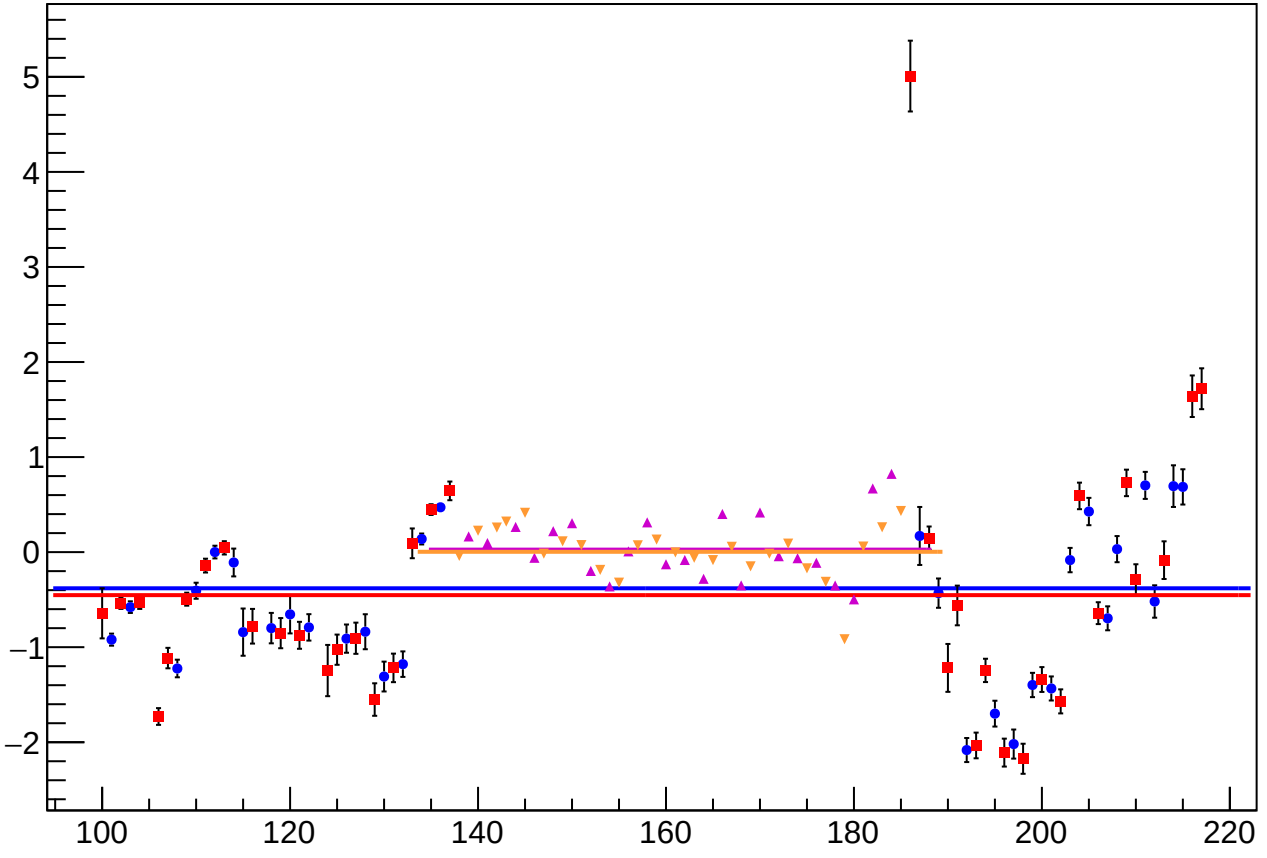
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.632+/-0.134 χ^2/NDF: 9781.2/55

All: 56.346+/-0.096 χ^2/NDF: 17395.0/114

- sign 56.049+/-0.137 χ^2/NDF: 7604.5/58

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.380+/-0.019 χ^2/NDF: 1442.8/30

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.452+/-0.019 χ^2/NDF: 1952.8/35

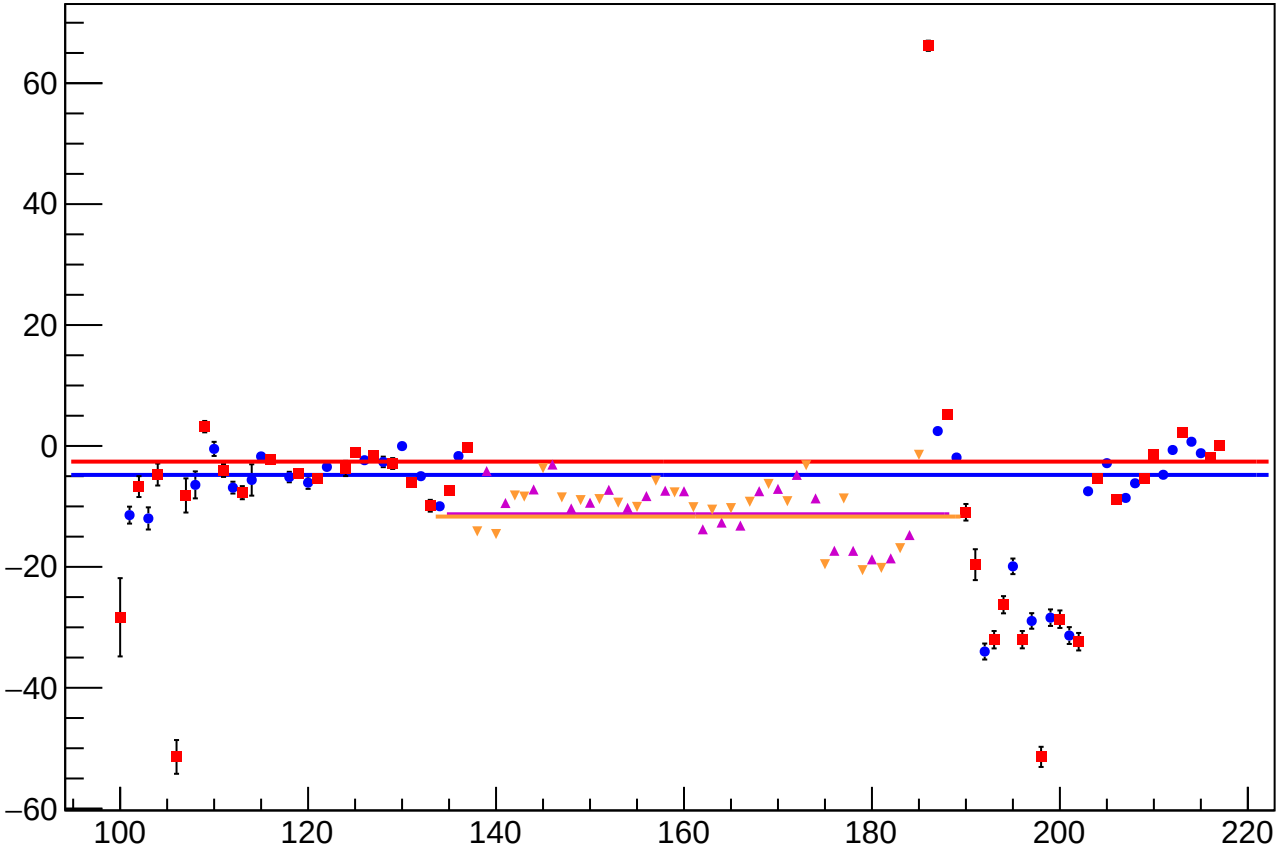
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.037+/-0.006 χ^2/NDF: 3517.2/55

All: -0.031+/-0.004 χ^2/NDF: 8394.6/114

- sign -0.026+/-0.006 χ^2/NDF: 4875.7/58

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.790+/-0.139 χ^2/NDF: 2178.2/30

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.591+/-0.140 χ^2/NDF: 10588.5/35

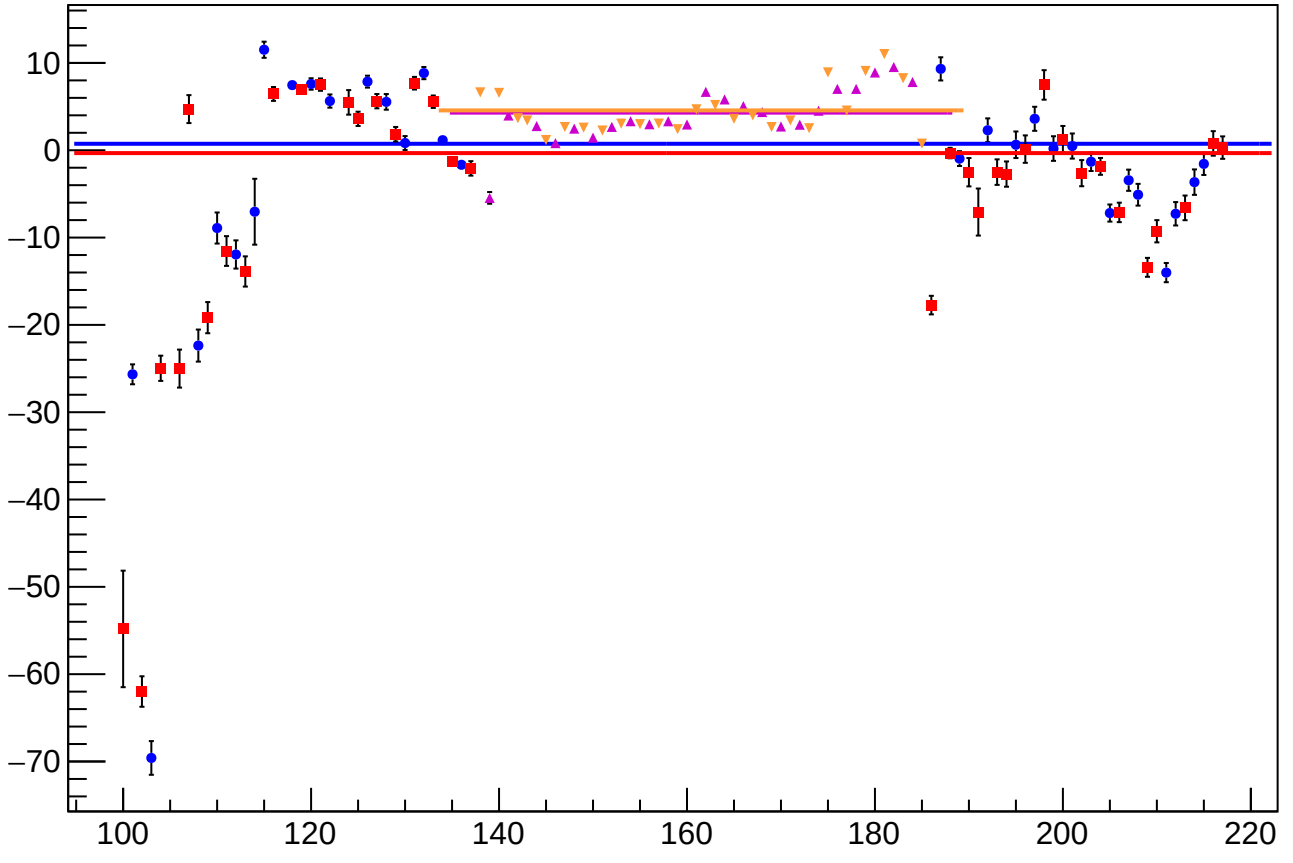
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.819+/-0.049 χ^2/NDF: 16920.7/55

All: -10.505+/-0.035 χ^2/NDF: 40184.3/114

- sign -10.177+/-0.050 χ^2/NDF: 23180.5/58

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.741+/-0.162 χ^2/NDF: 3257.7/30

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.325+/-0.170 χ^2/NDF: 3200.0/35

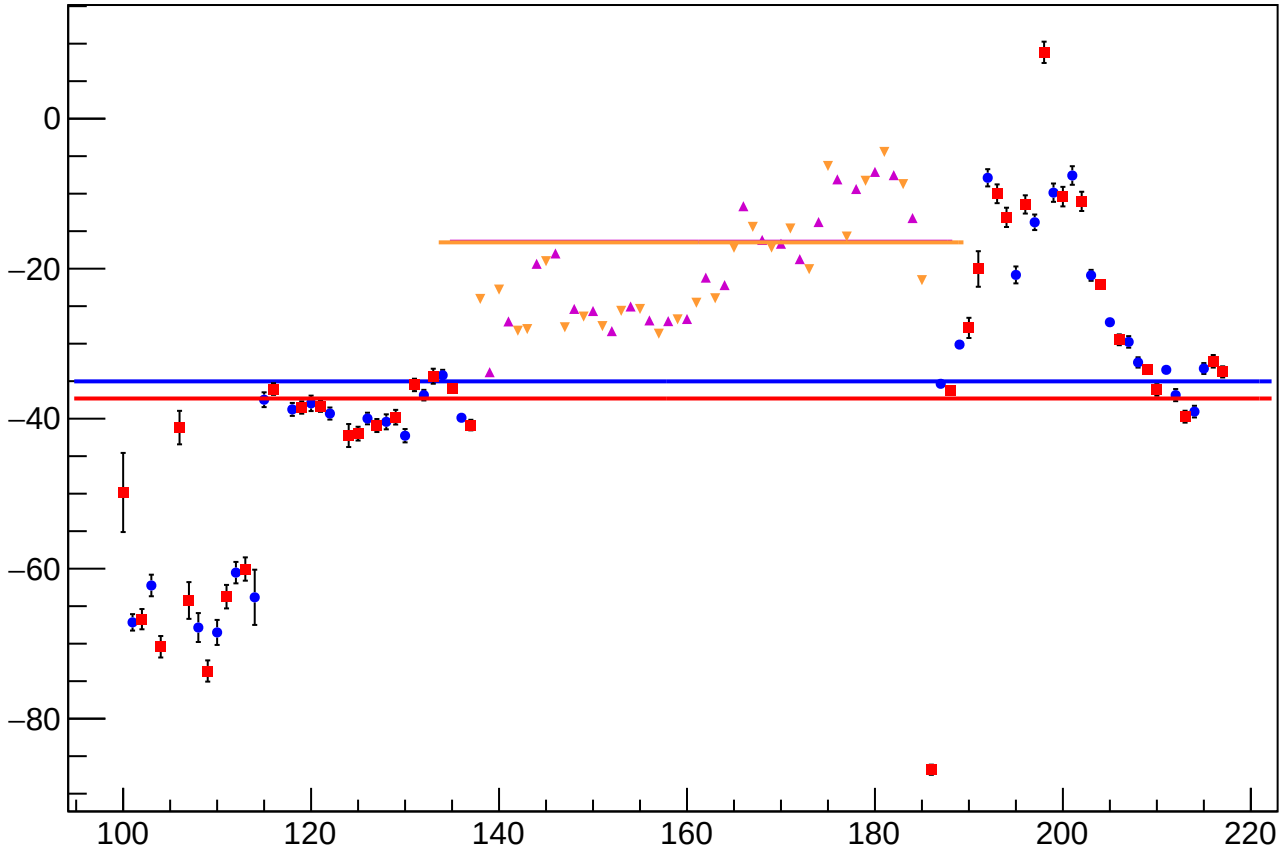
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.329+/-0.040 χ^2/NDF: 8137.3/55

All: 4.187+/-0.029 χ^2/NDF: 15675.5/114

- sign 4.039+/-0.041 χ^2/NDF: 7512.5/58

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.026+/-0.145 χ^2/NDF: 5427.9/30

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

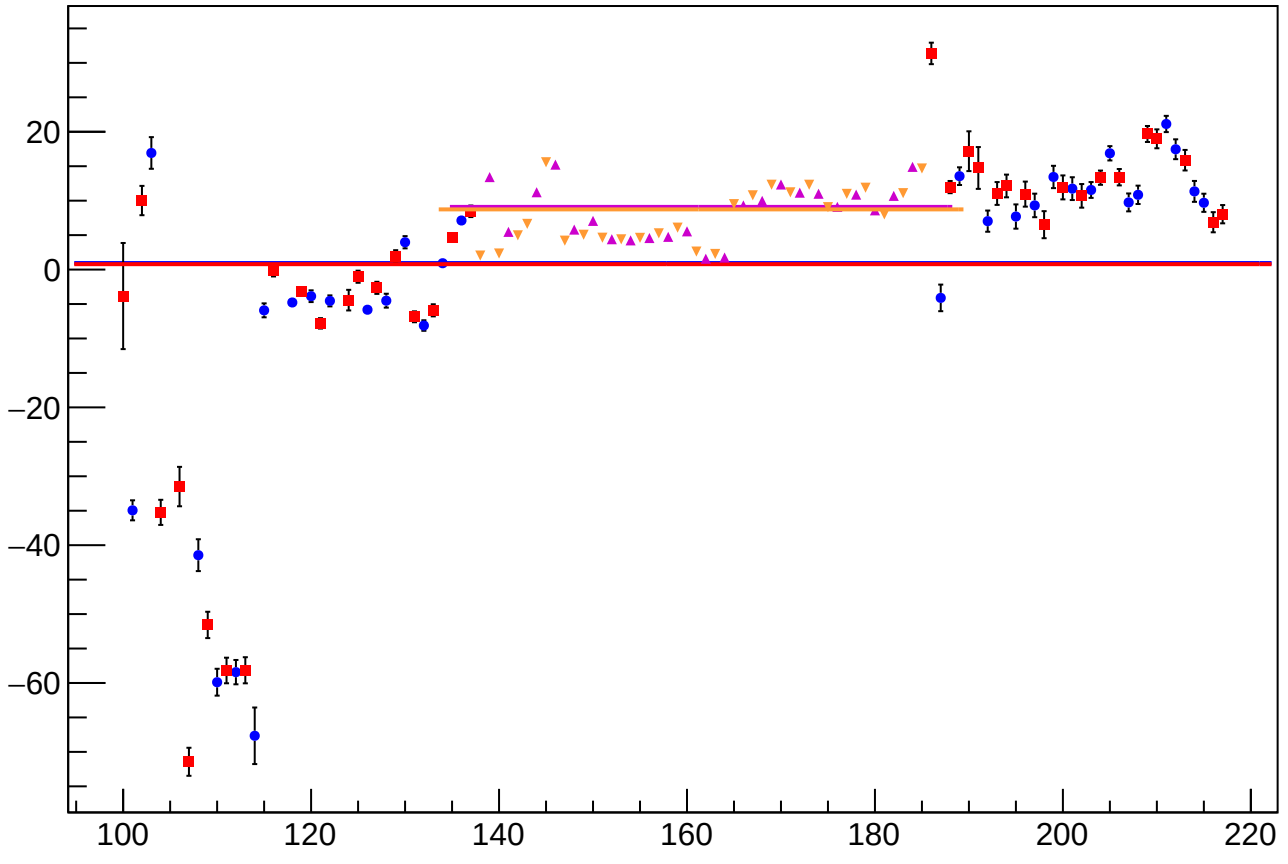
Right Out: -37.311+/-0.144 χ^2/NDF: 11882.7/35

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.667+/-0.050 χ^2/NDF: 41875.1/55

All: -18.814+/-0.035 χ^2/NDF: 90249.6/114

- sign -18.967+/-0.051 χ^2/NDF: 48356.6/58



Right In: 0.944+/-0.181 χ^2/NDF: 5265.6/30

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.784+/-0.193 χ^2/NDF: 6652.0/35

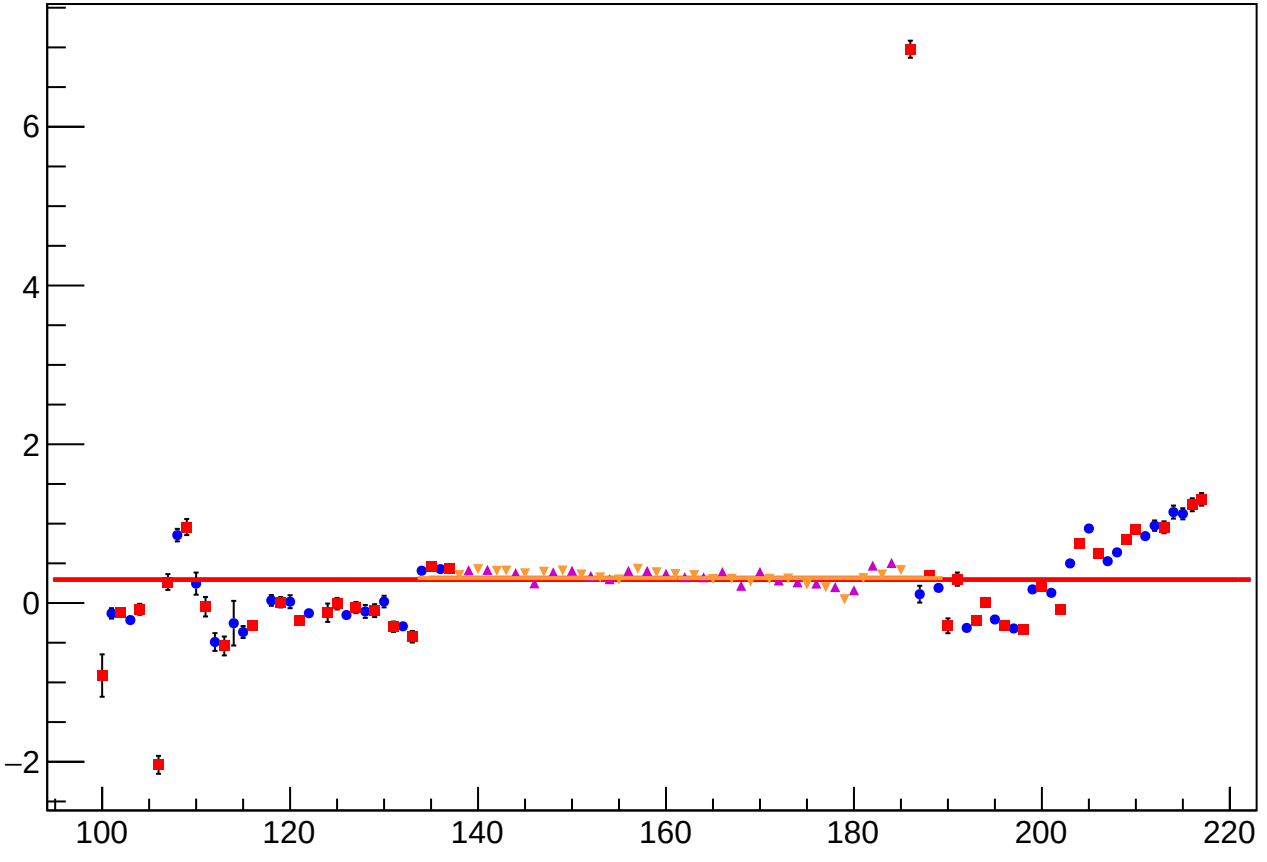
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.258+/-0.045 χ^2/NDF: 13879.7/55

All: 8.439+/-0.032 χ^2/NDF: 28058.5/114

- sign 8.628+/-0.046 χ^2/NDF: 14145.3/58

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.298+/-0.009 χ^2/NDF: 1712.7/30

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.291+/-0.010 χ^2/NDF: 6157.1/35

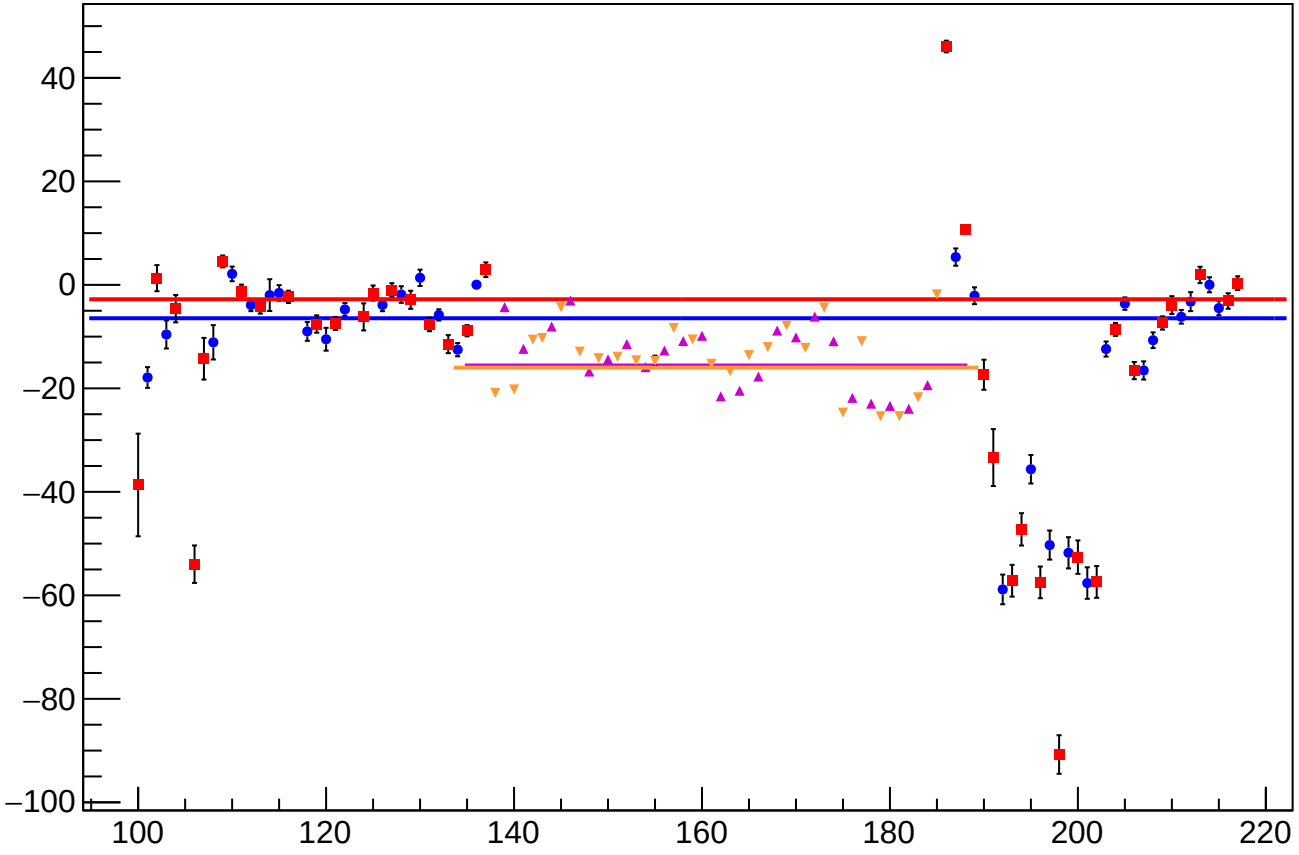
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.313+/-0.002 χ^2/NDF: 3317.8/55

All: 0.315+/-0.001 χ^2/NDF: 11272.8/114

- sign 0.317+/-0.002 χ^2/NDF: 7952.8/58

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.452+/-0.272 χ^2/NDF: 1583.5/30

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.782+/-0.268 χ^2/NDF: 4594.2/35

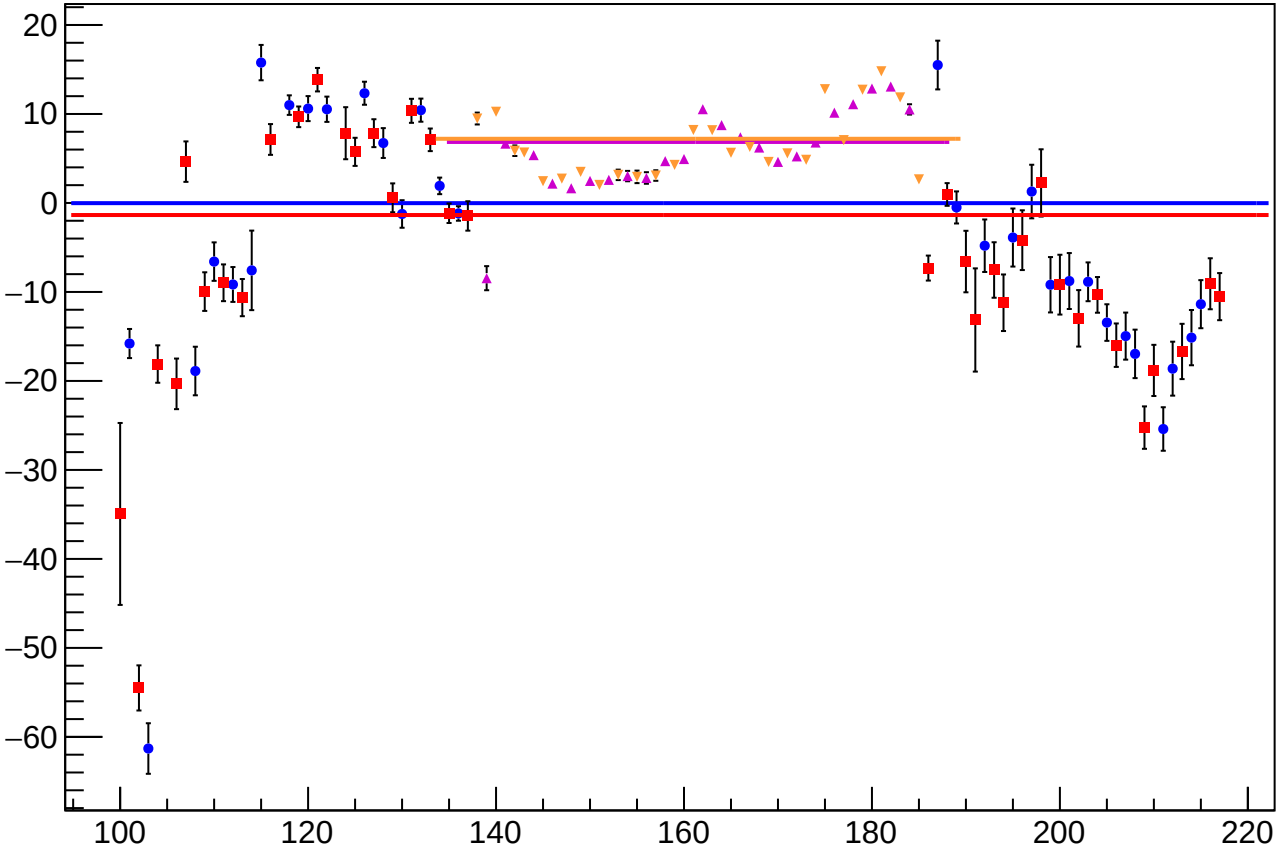
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.879+/-0.093 χ^2/NDF: 8630.0/55

All: -14.429+/-0.067 χ^2/NDF: 20029.2/114

- sign -13.959+/-0.095 χ^2/NDF: 11351.7/58

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.021+/-0.315 χ^2/NDF: 1464.6/30

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

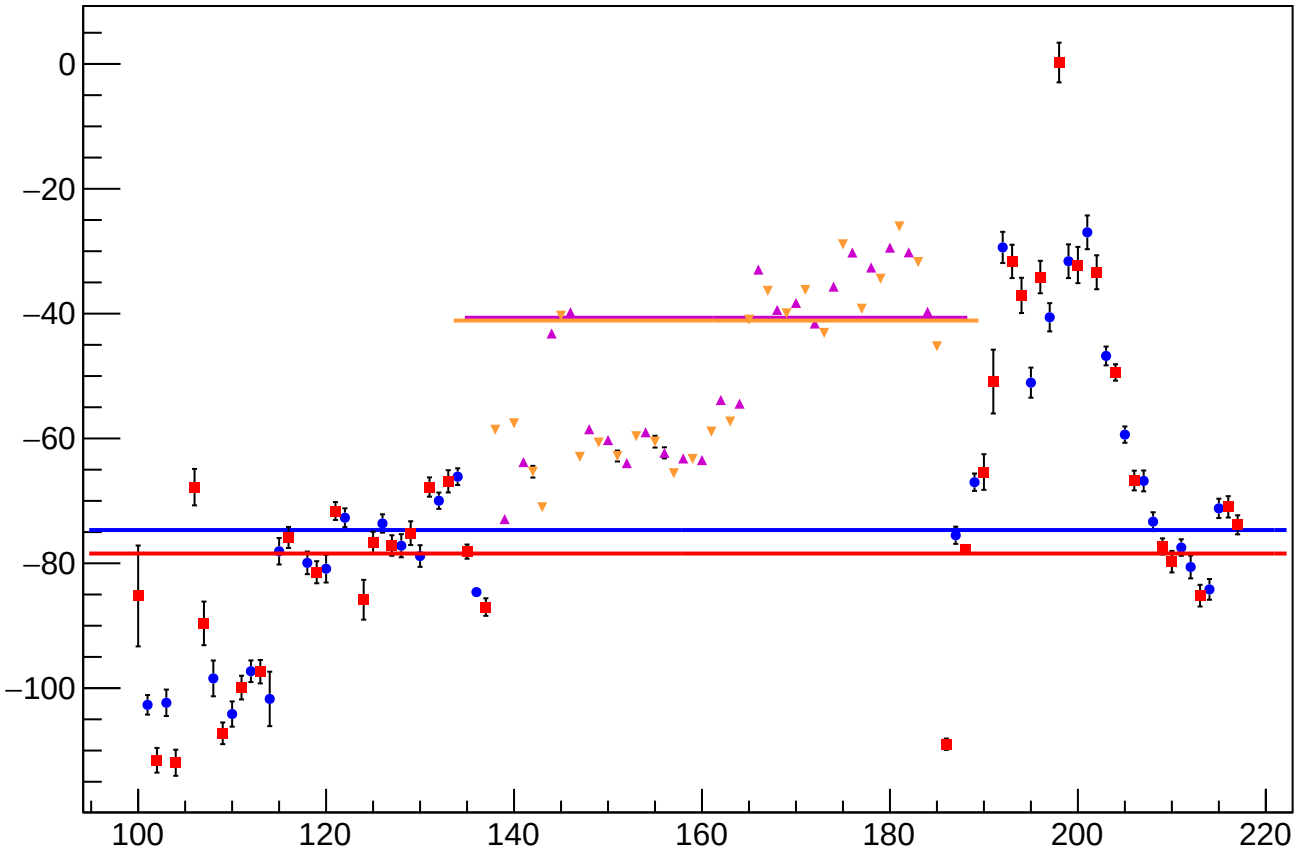
Right Out: -1.356+/-0.323 χ^2/NDF: 1345.5/35

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.774+/-0.078 χ^2/NDF: 4415.0/55

All: 6.574+/-0.055 χ^2/NDF: 8537.6/114

- sign 6.370+/-0.079 χ^2/NDF: 4109.2/58



Right In: -74.672+/-0.288 χ^2/NDF: 3064.3/30

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.434+/-0.279 χ^2/NDF: 4964.0/35

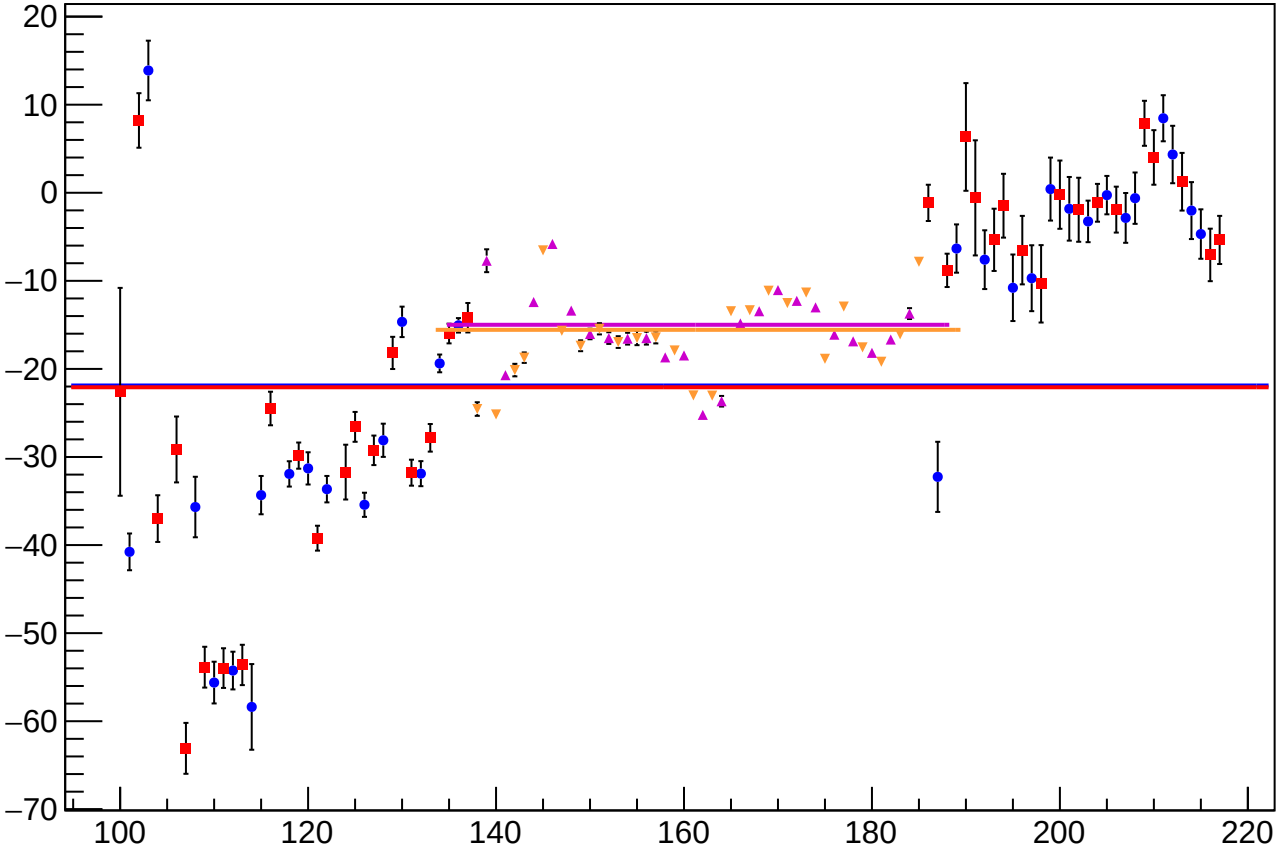
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -44.732+/-0.094 χ^2/NDF: 31217.6/55

All: -44.933+/-0.067 χ^2/NDF: 65910.7/114

\- sign -45.141+/-0.096 χ^2/NDF: 34683.8/58

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -21.883+/-0.352 χ^2/NDF: 1797.8/30

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.084+/-0.370 χ^2/NDF: 2037.4/35

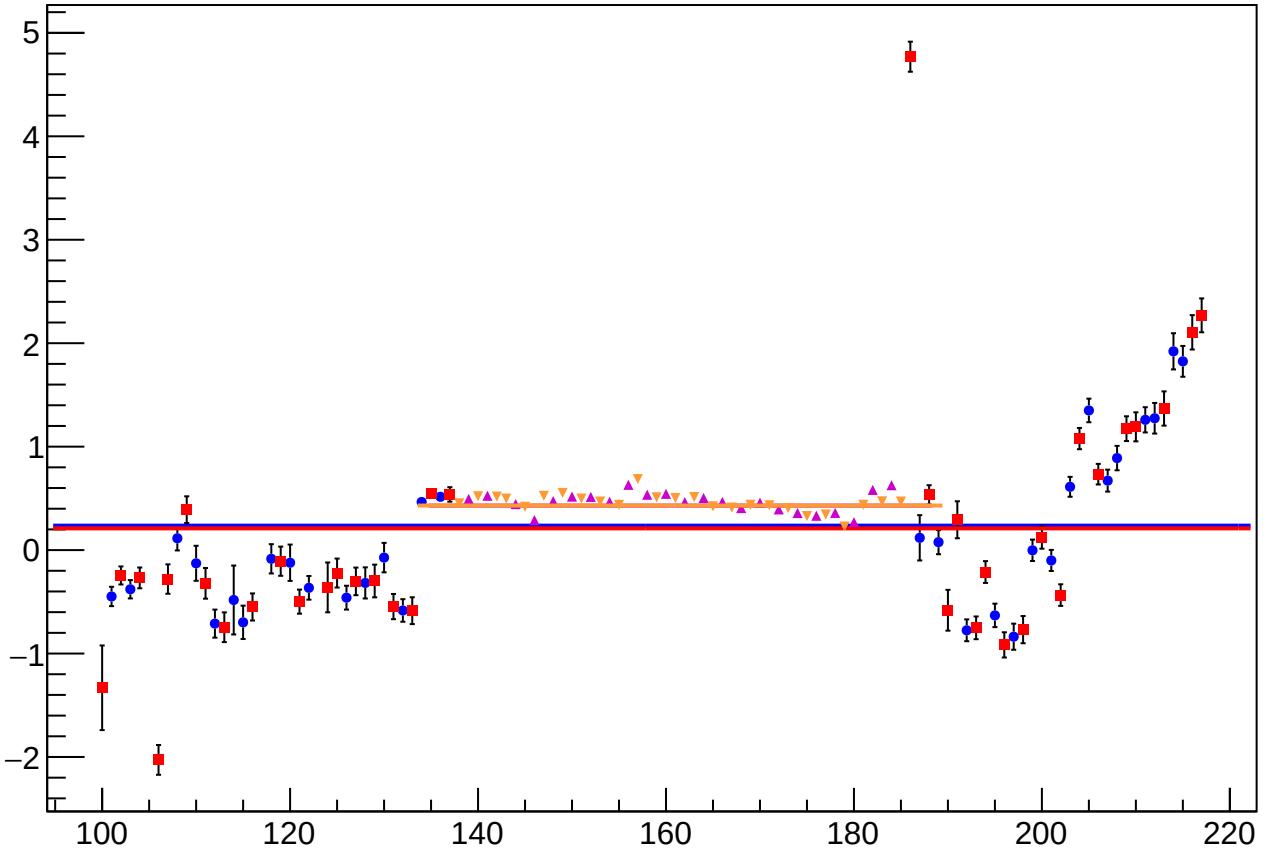
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.941+/-0.086 χ^2/NDF: 4650.3/55

All: -15.670+/-0.061 χ^2/NDF: 9206.5/114

- sign -15.389+/-0.088 χ^2/NDF: 4536.1/58

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.236+/-0.018 χ^2/NDF: 1159.9/30

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.210+/-0.019 χ^2/NDF: 2485.7/35

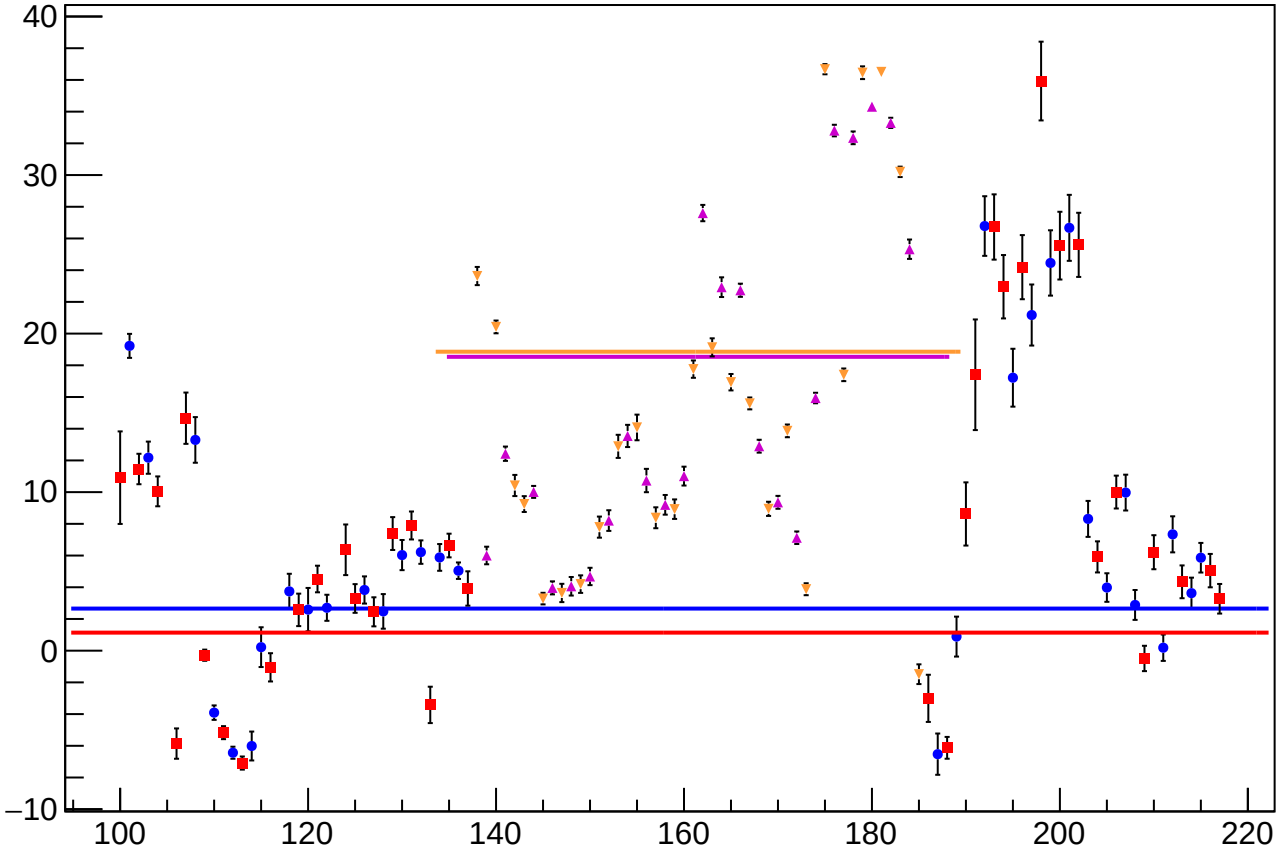
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.421+/-0.004 χ^2/NDF: 1694.6/55

All: 0.421+/-0.003 χ^2/NDF: 4893.6/114

- sign 0.420+/-0.004 χ^2/NDF: 3199.0/58

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.656+/-0.157 χ^2/NDF: 2293.3/30

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.139+/-0.145 χ^2/NDF: 2385.3/35

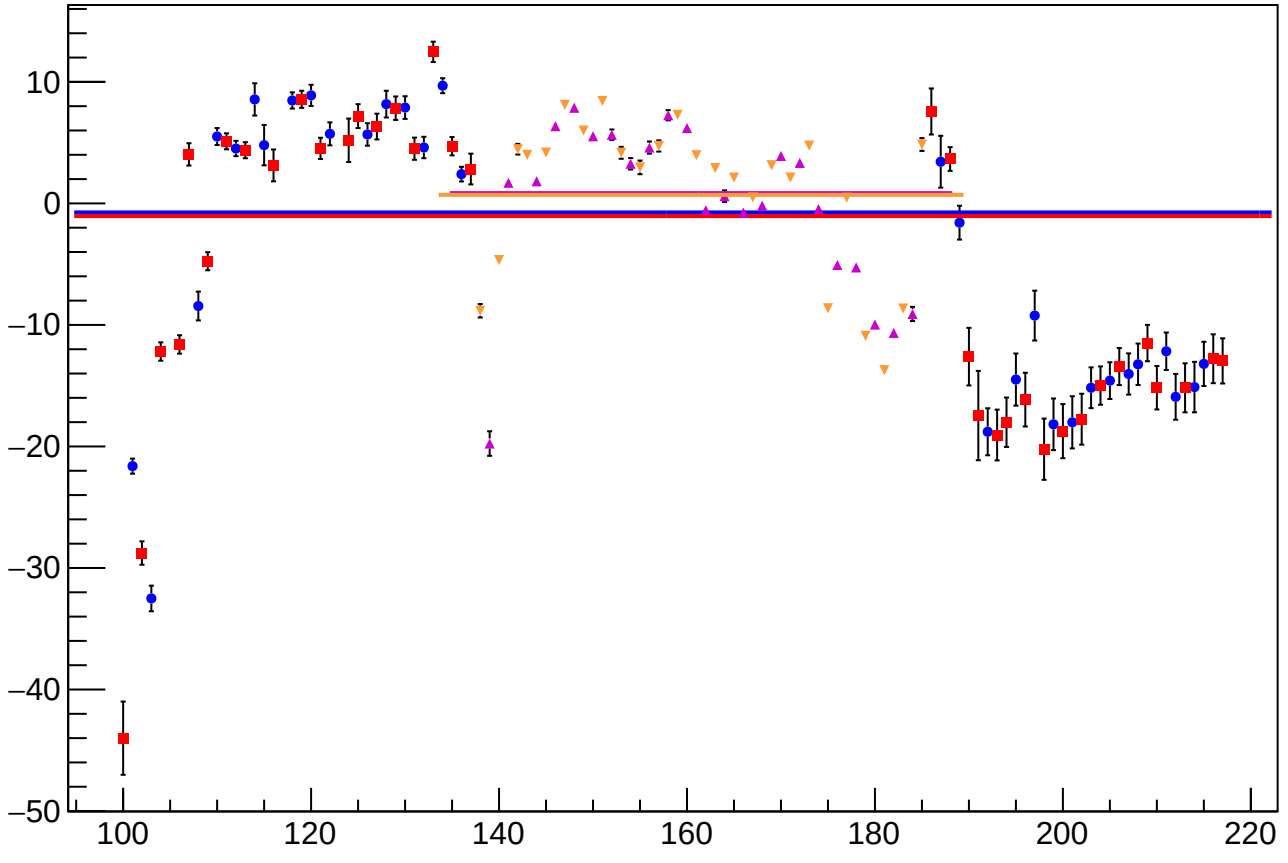
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.813+/-0.078 χ^2/NDF: 28684.7/55

All: 14.140+/-0.055 χ^2/NDF: 55431.8/114

- sign 13.465+/-0.078 χ^2/NDF: 26599.1/58

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.744+/-0.186 χ^2/NDF: 3966.3/30

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.044+/-0.183 χ^2/NDF: 3312.2/35

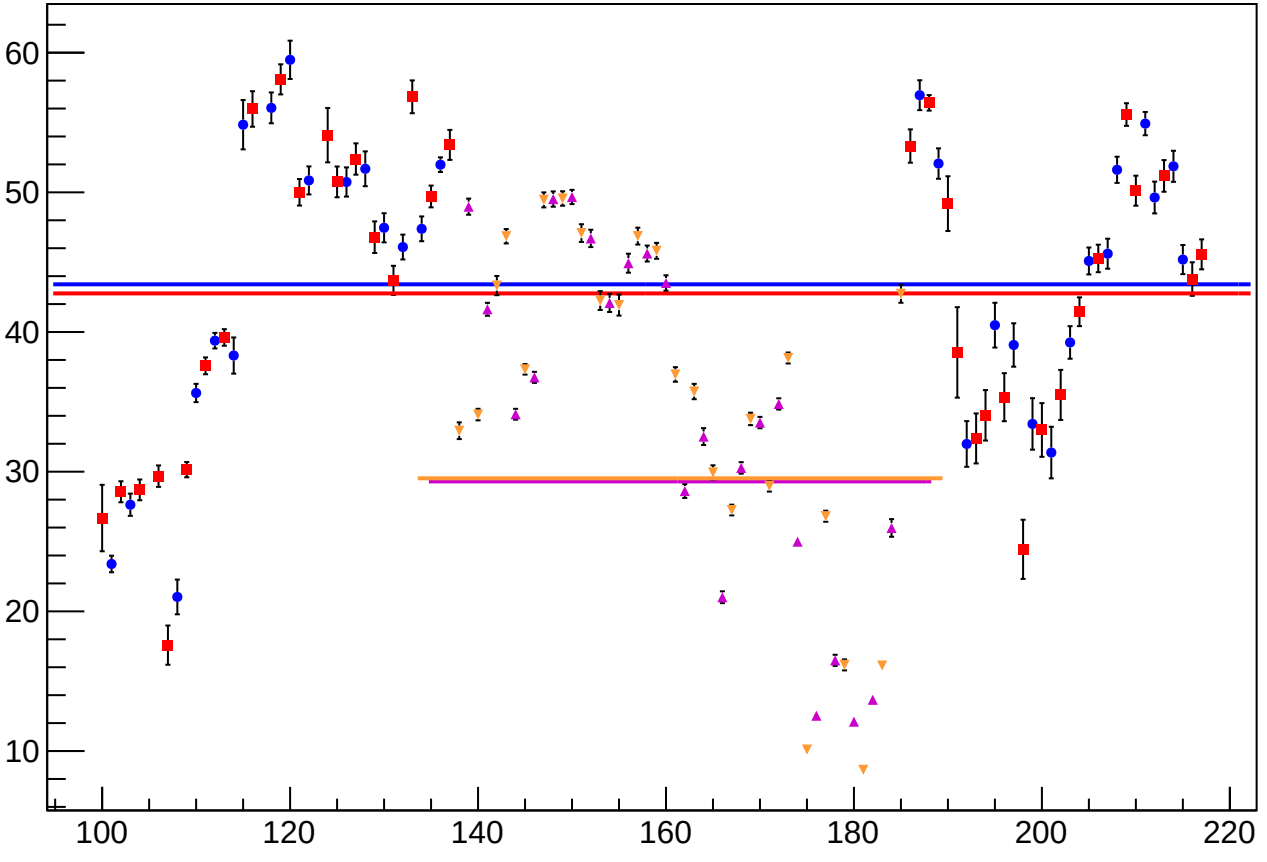
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.521+/-0.066 χ^2/NDF: 12256.7/55

All: 0.556+/-0.047 χ^2/NDF: 21706.8/114

- sign 0.592+/-0.067 χ^2/NDF: 9449.5/58

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.414+/-0.172 χ^2/NDF: 3569.6/30

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.764+/-0.164 χ^2/NDF: 4123.7/35

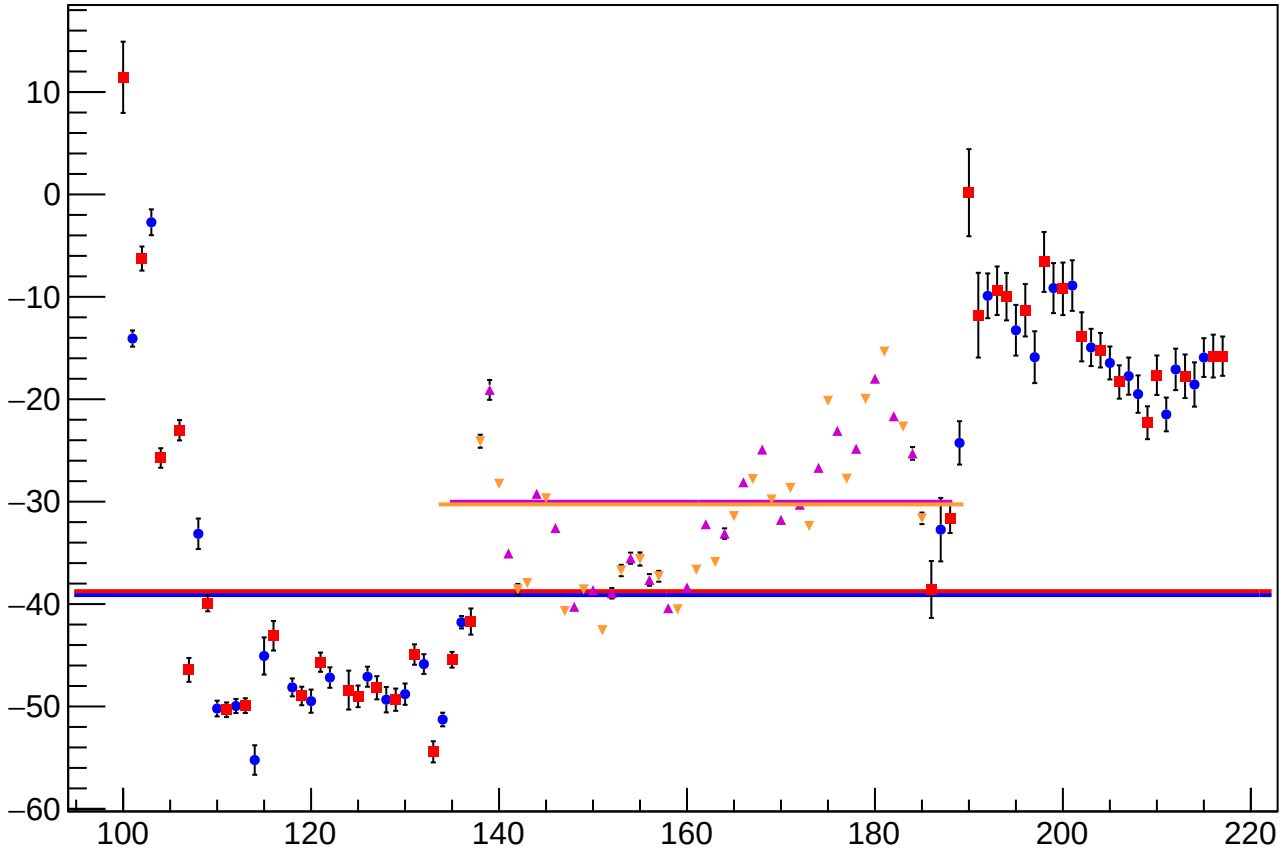
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.540+/-0.080 χ^2/NDF: 29755.0/55

All: 32.559+/-0.057 χ^2/NDF: 56829.8/114

- sign 32.577+/-0.081 χ^2/NDF: 27074.8/58

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -39.123+/-0.210 χ^2/NDF: 5144.6/30

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.741+/-0.209 χ^2/NDF: 4649.6/35

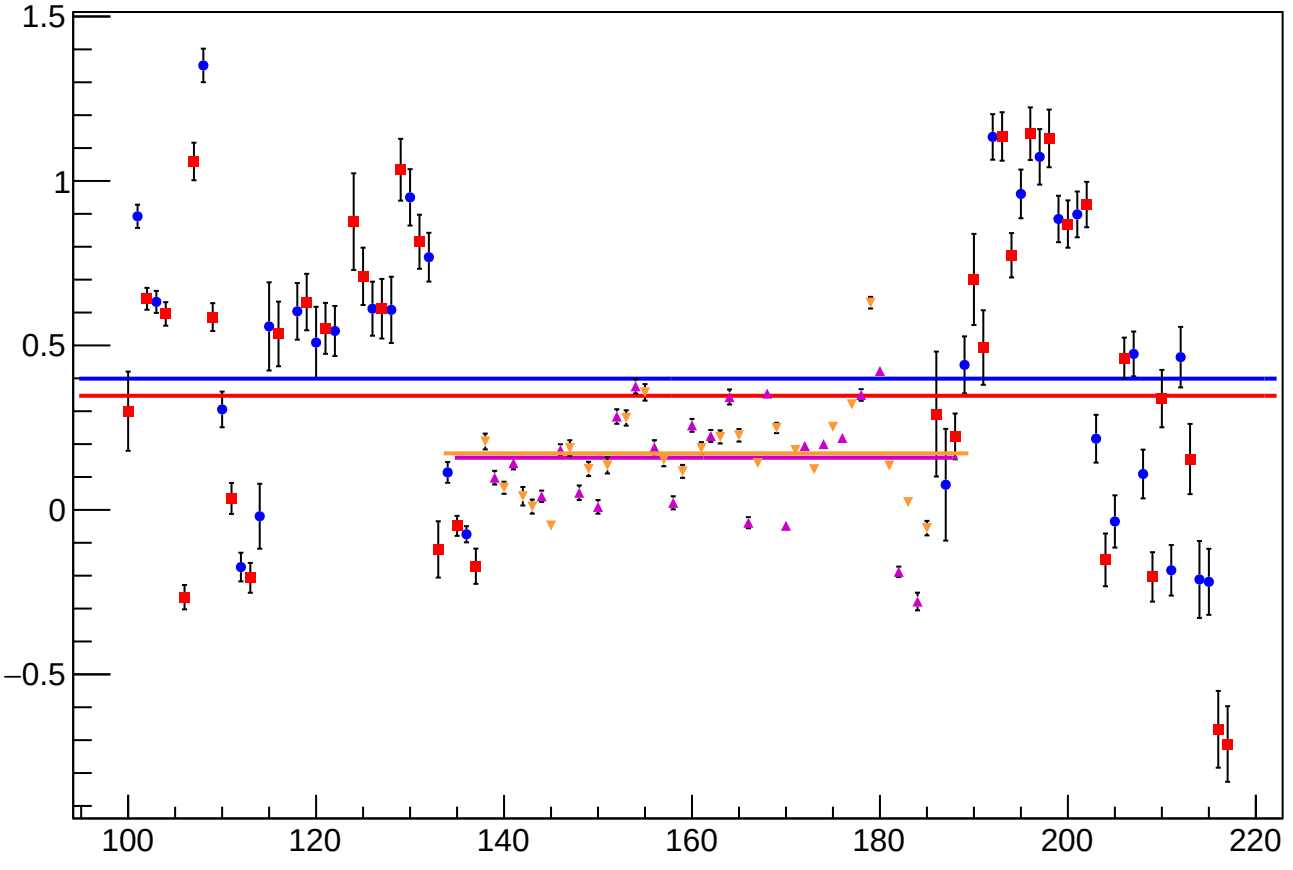
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.369+/-0.074 χ^2/NDF: 15196.5/55

All: -31.265+/-0.053 χ^2/NDF: 27446.1/114

- sign -31.158+/-0.076 χ^2/NDF: 12245.7/58

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.399+/-0.011 χ^2/NDF: 1839.8/30

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

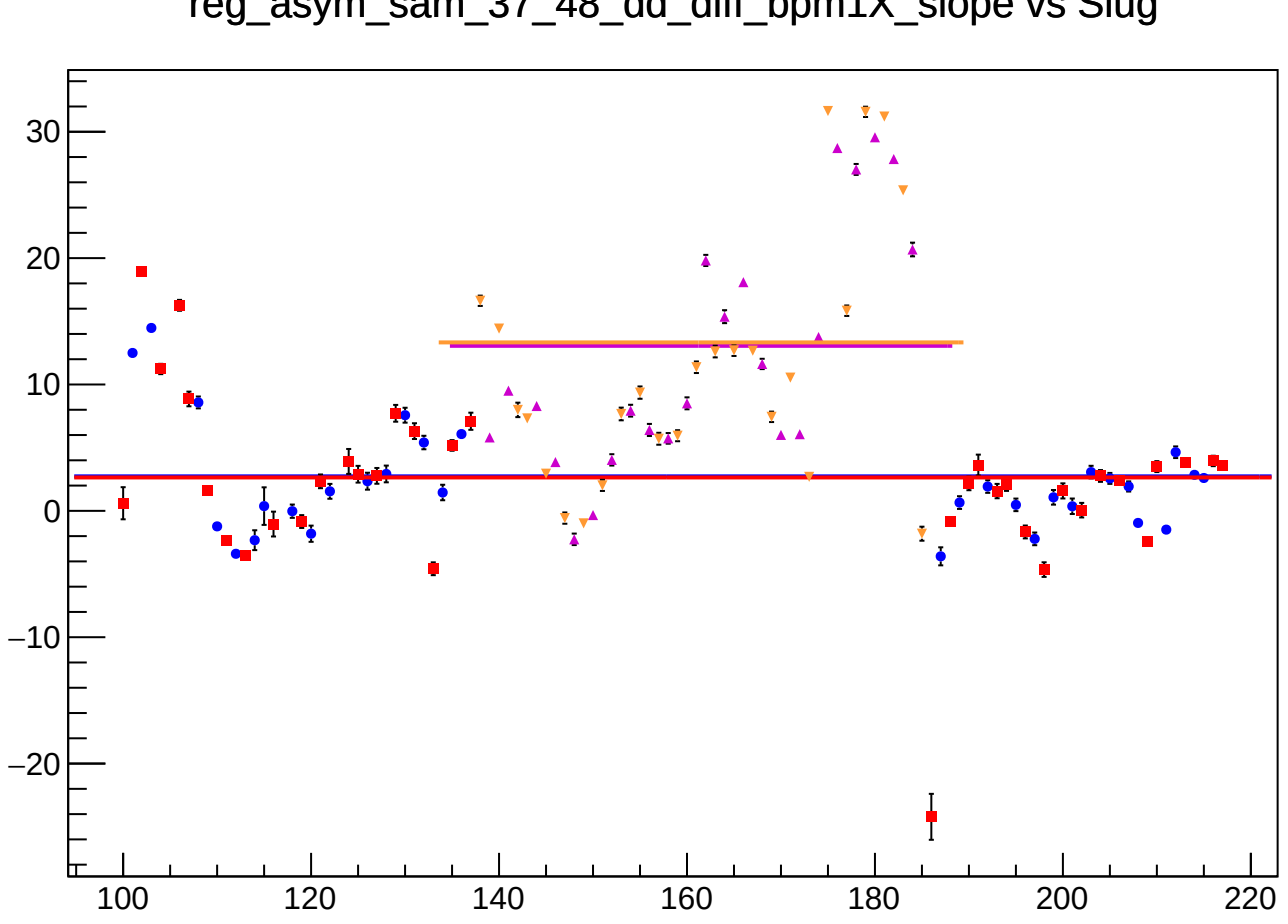
Right Out: 0.347+/-0.010 χ^2/NDF: 1947.3/35

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.195+/-0.003 χ^2/NDF: 3759.2/55

All: 0.187+/-0.002 χ^2/NDF: 8197.5/114

- sign 0.179+/-0.003 χ^2/NDF: 4427.1/58



Right In: 2.731+/-0.082 χ^2/NDF: 3352.0/30

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

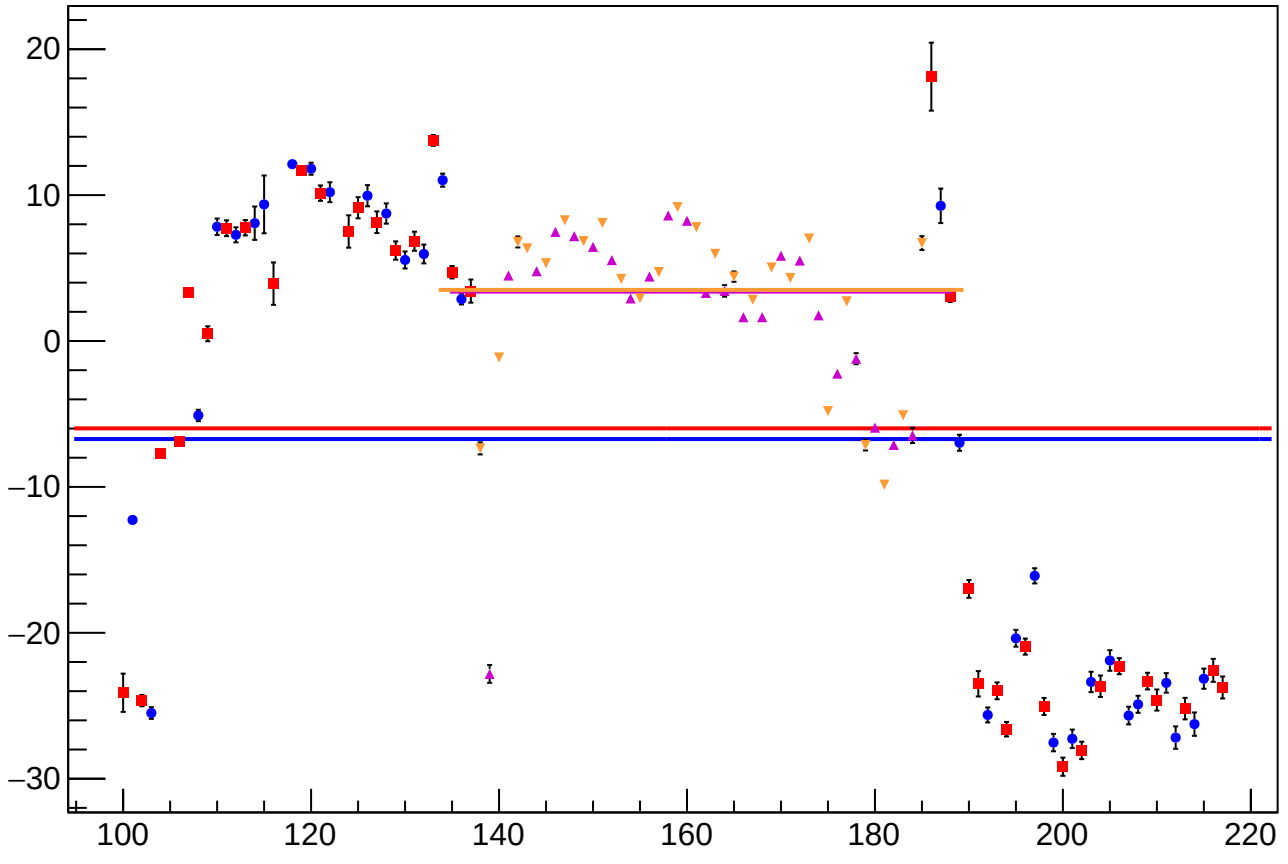
Right Out: 2.643+/-0.076 χ^2/NDF: 5415.9/35

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.382+/-0.056 χ^2/NDF: 31684.8/55

All: 8.011+/-0.039 χ^2/NDF: 61701.6/114

- sign 7.653+/-0.055 χ^2/NDF: 29930.6/58



Right In: -6.721+/-0.095 χ^2/NDF: 24739.7/30

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -5.988+/-0.089 χ^2/NDF: 27317.3/35

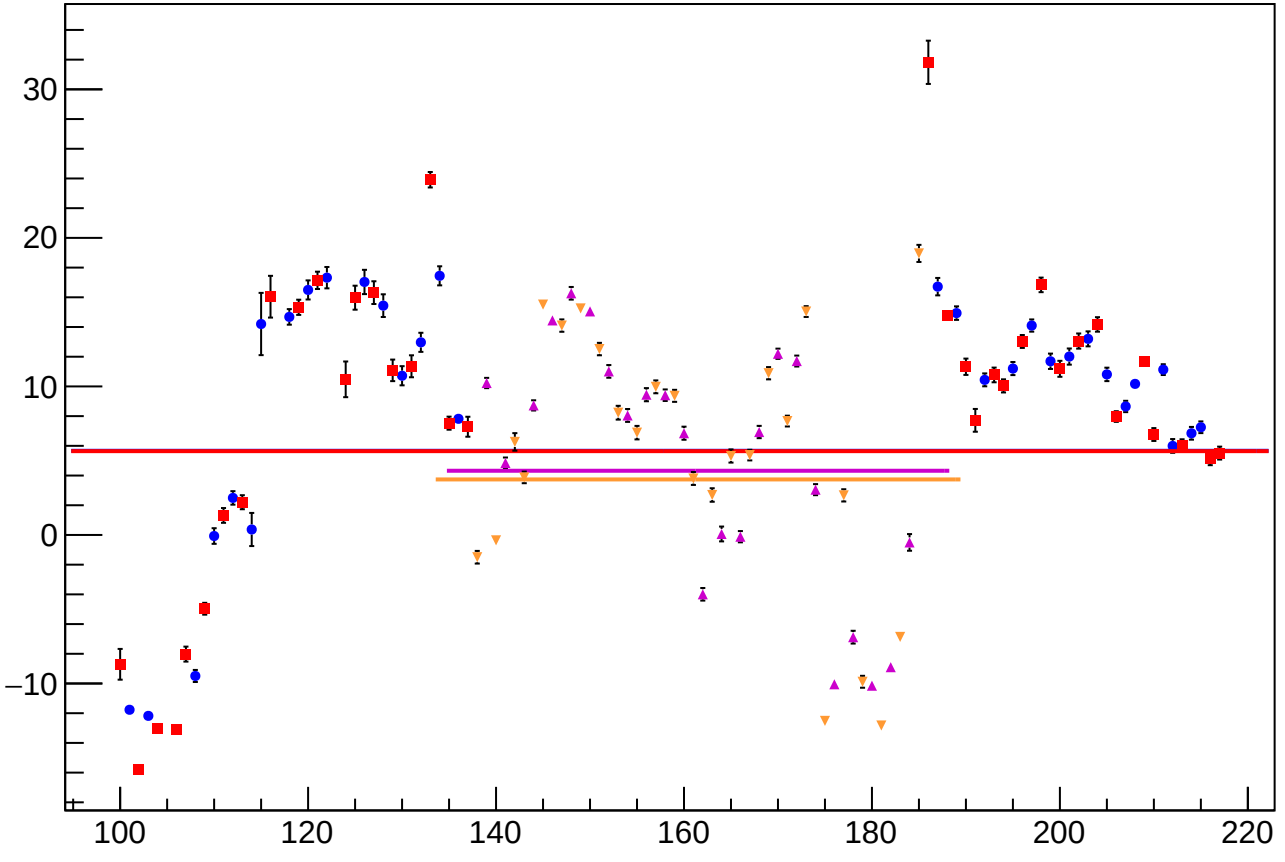
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 0.674+/-0.050 χ^2/NDF: 41083.4/55

All: 0.533+/-0.035 χ^2/NDF: 82669.9/114

- sign 0.389+/-0.050 χ^2/NDF: 41570.3/58

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.666+/-0.082 χ^2/NDF: 14147.1/30

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

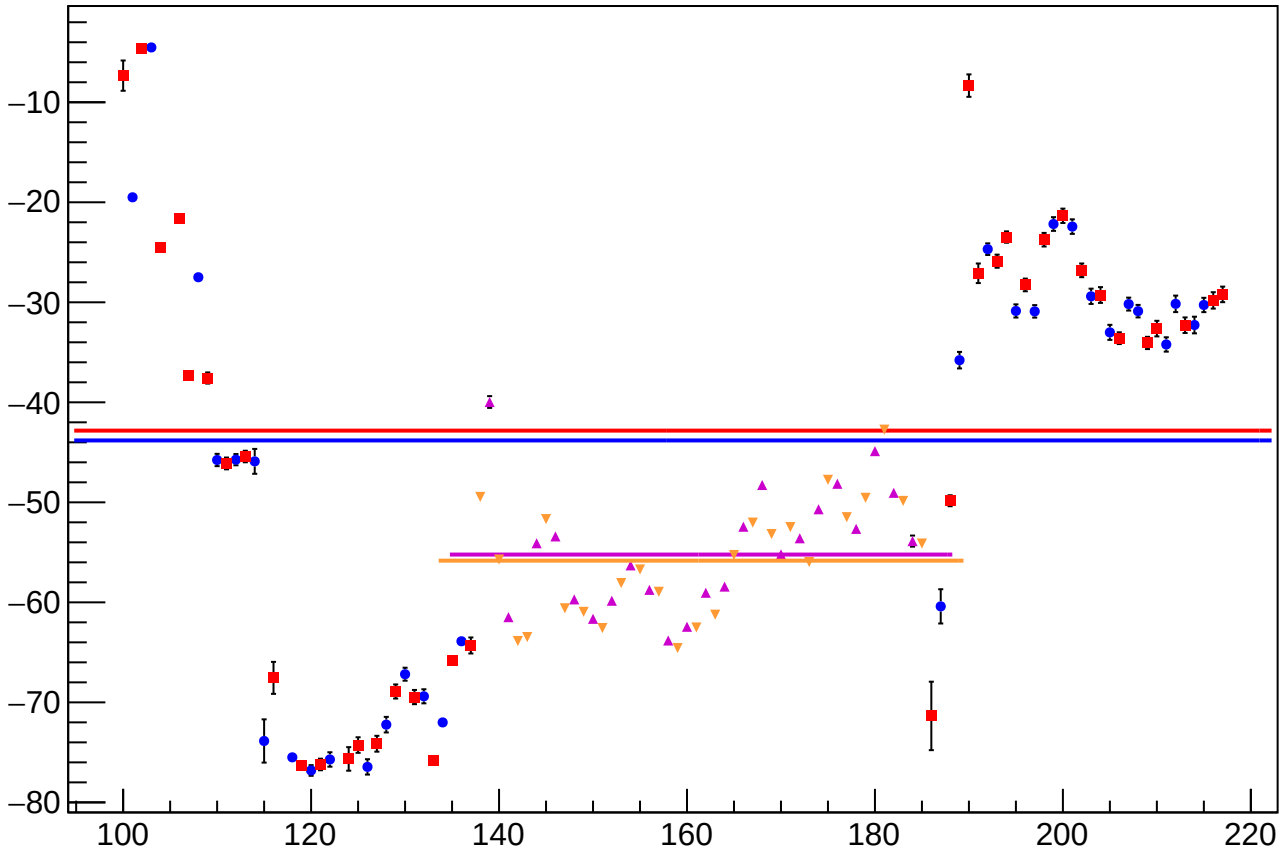
Right Out: 5.642+/-0.076 χ^2/NDF: 20397.5/35

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.639+/-0.056 χ^2/NDF: 30031.3/55

All: 4.826+/-0.039 χ^2/NDF: 63079.8/114

- sign 5.005+/-0.055 χ^2/NDF: 33026.6/58



Right In: -43.812+/-0.110 χ^2/NDF: 43144.7/30

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

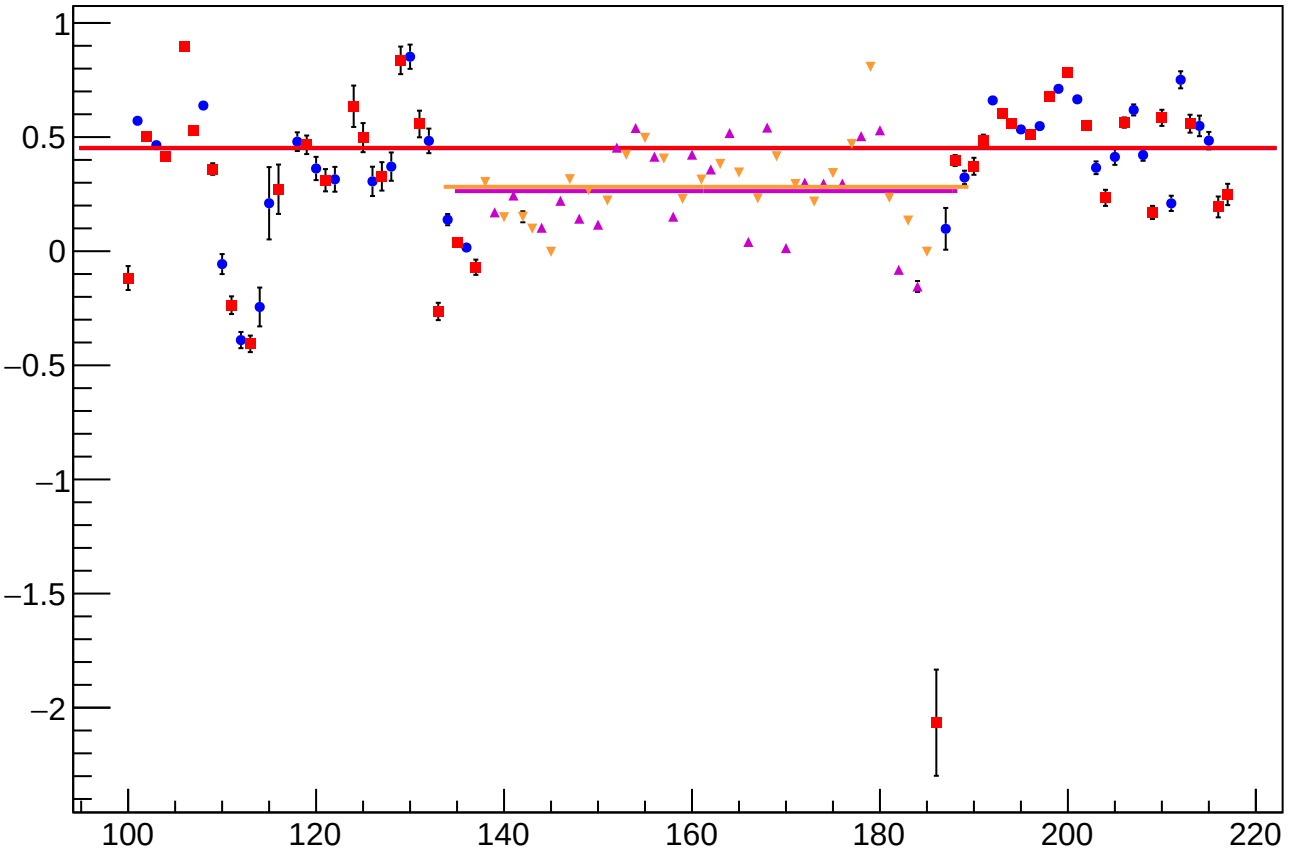
Right Out: -42.829+/-0.105 χ^2/NDF: 44578.3/35

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.612+/-0.057 χ^2/NDF: 59530.8/55

All: -52.053+/-0.040 χ^2/NDF: 120467.7/114

- sign -51.482+/-0.057 χ^2/NDF: 60740.7/58



Right In: 0.451+/-0.005 χ^2/NDF: 2729.7/30

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.453+/-0.004 χ^2/NDF: 3821.8/35

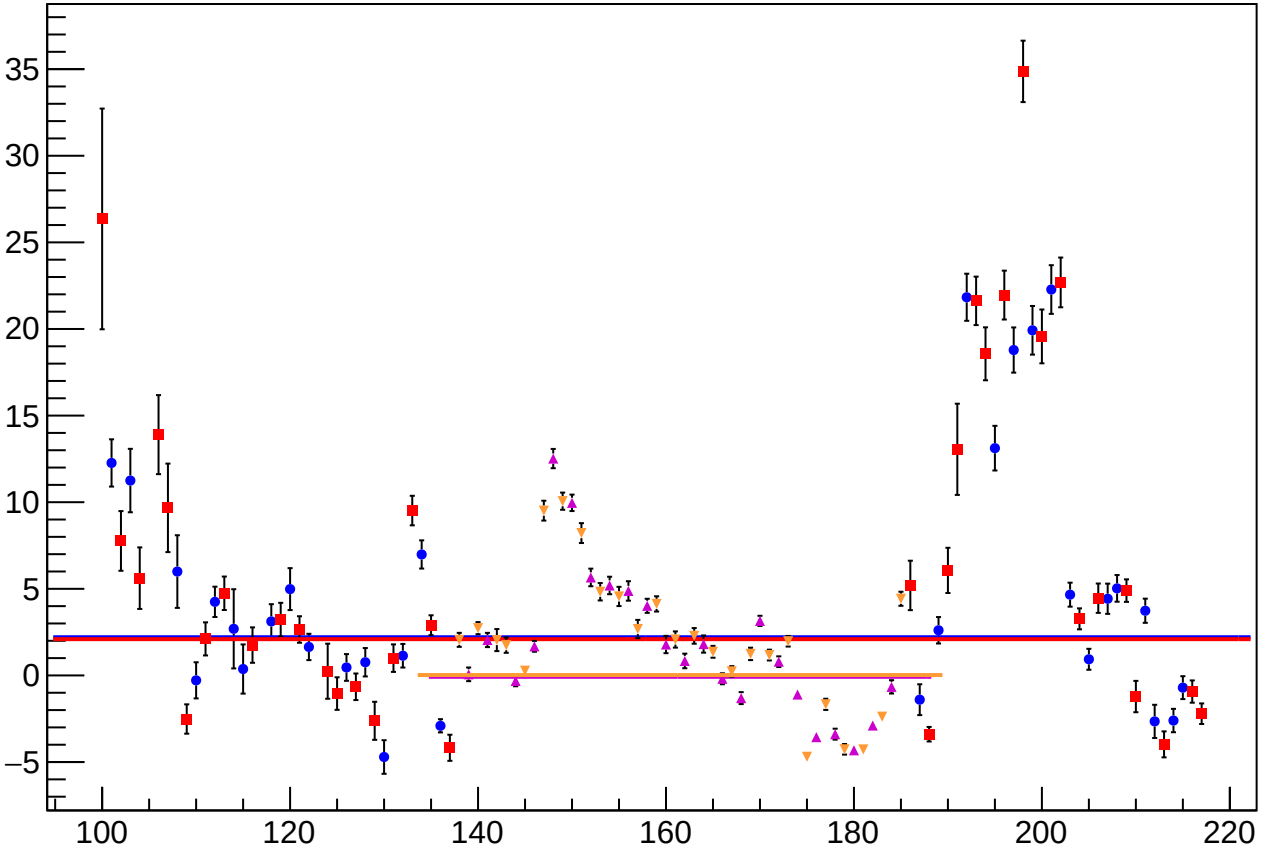
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.332+/-0.003 χ^2/NDF: 6393.3/55

All: 0.329+/-0.002 χ^2/NDF: 15335.4/114

- sign 0.325+/-0.002 χ^2/NDF: 8938.6/58

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.204+/-0.152 χ^2/NDF: 1336.3/30

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.094+/-0.150 χ^2/NDF: 1866.5/35

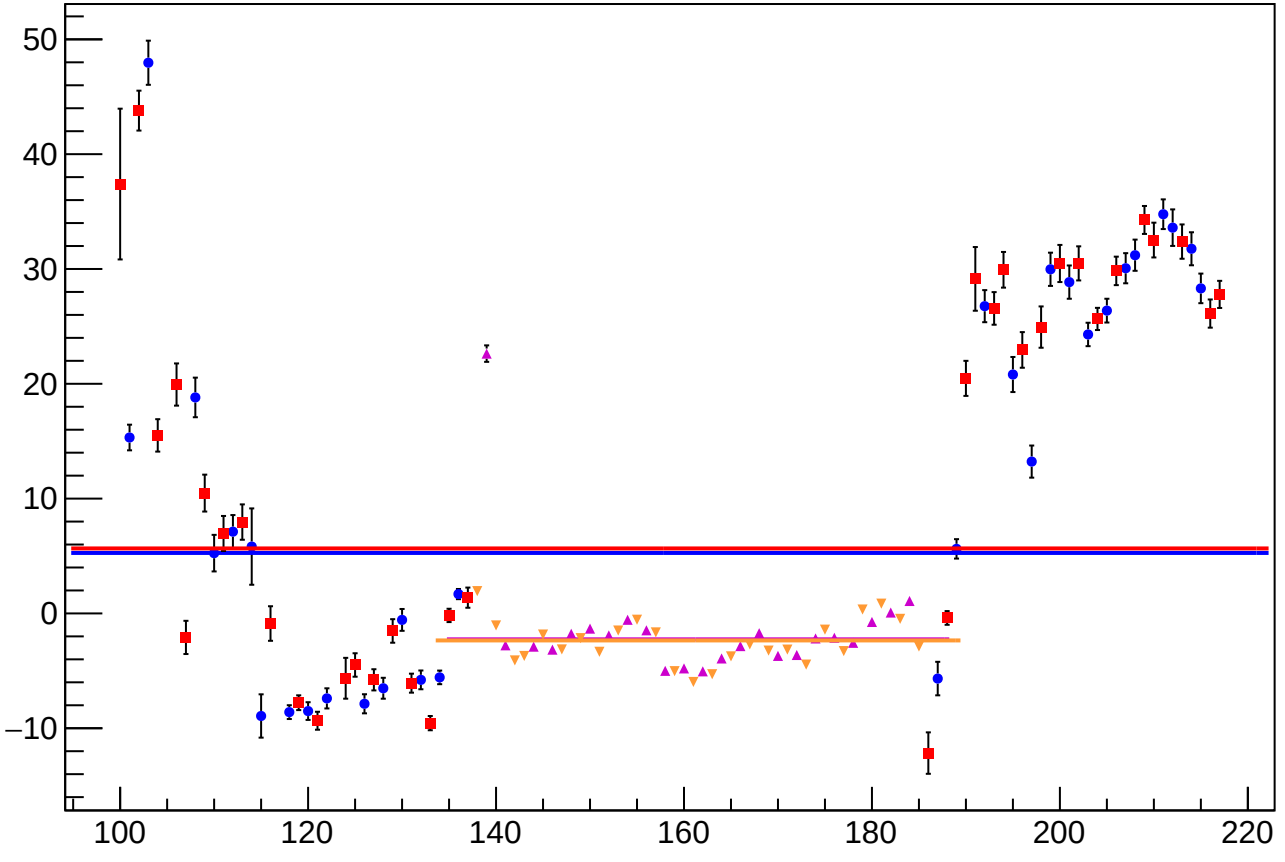
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.391+/-0.062 χ^2/NDF: 4267.2/55

All: 0.354+/-0.045 χ^2/NDF: 8770.7/114

- sign 0.315+/-0.064 χ^2/NDF: 4502.8/58

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.268+/-0.180 χ^2/NDF: 6757.2/30

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 5.660+/-0.183 χ^2/NDF: 6951.3/35

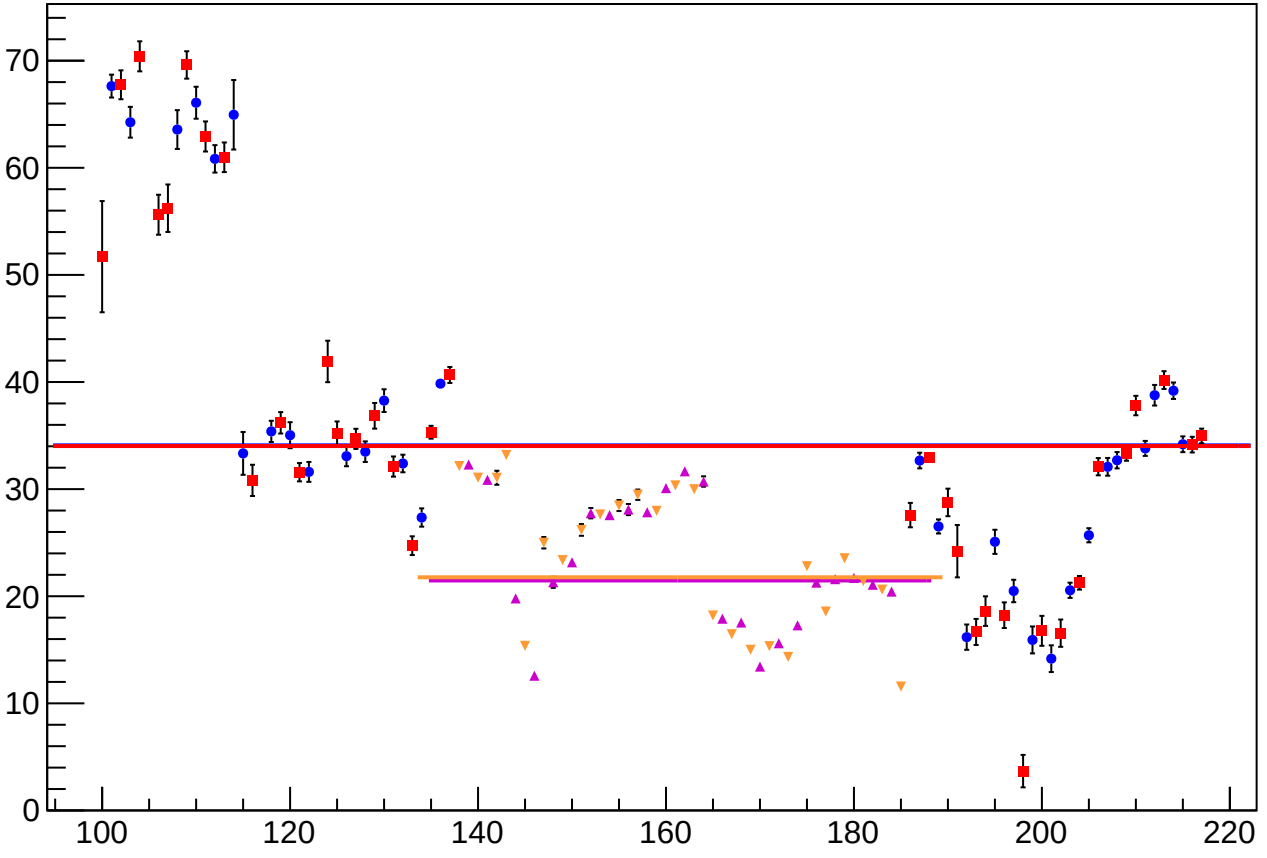
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.698+/-0.053 χ^2/NDF: 9525.1/55

All: -1.635+/-0.038 χ^2/NDF: 20067.2/114

- sign -1.570+/-0.054 χ^2/NDF: 10539.2/58

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 34.085+/-0.157 χ^2/NDF: 4660.0/30

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.022+/-0.153 χ^2/NDF: 5170.2/35

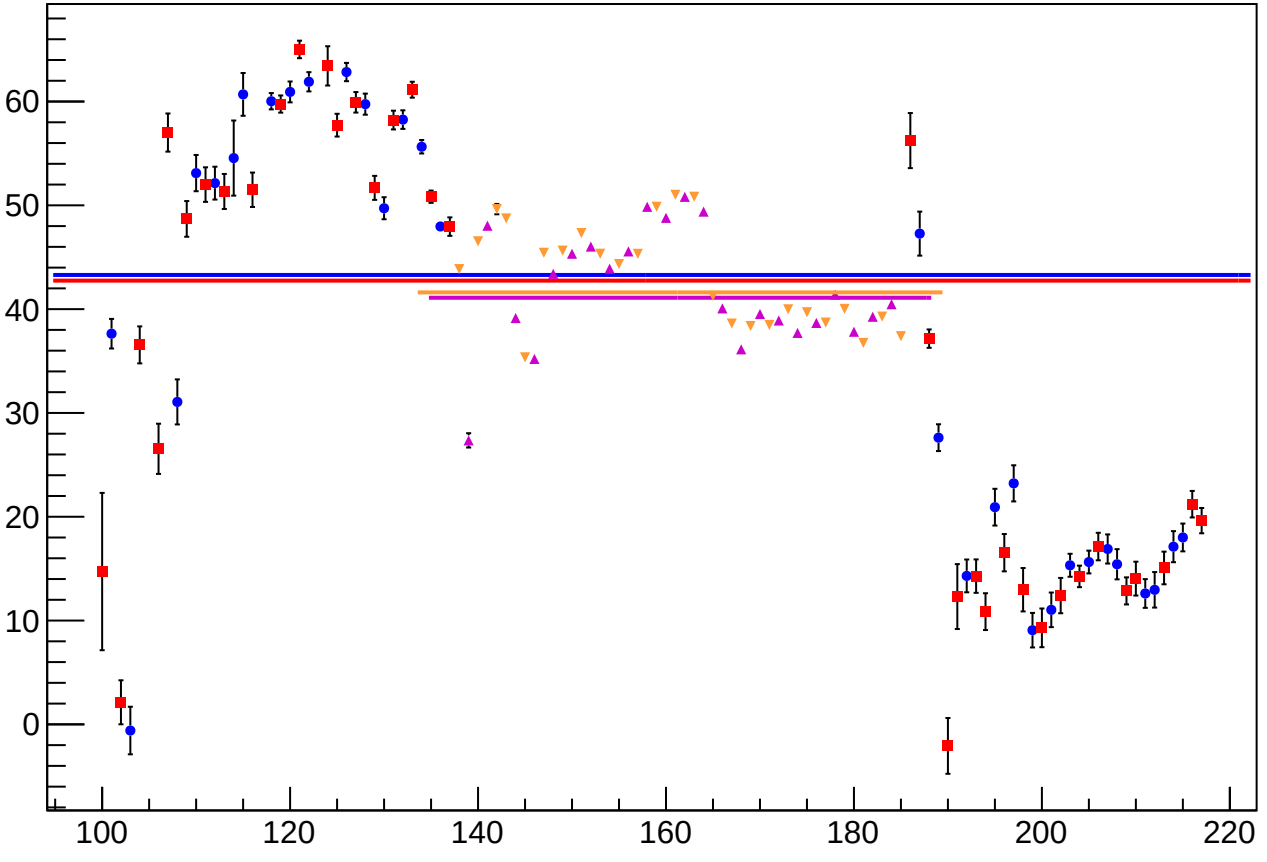
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.759+/-0.063 χ^2/NDF: 16643.6/55

All: 23.717+/-0.045 χ^2/NDF: 33146.4/114

- sign 23.675+/-0.064 χ^2/NDF: 16501.9/58

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 43.293+/-0.202 χ^2/NDF: 8305.7/30

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 42.748+/-0.209 χ^2/NDF: 8520.2/35

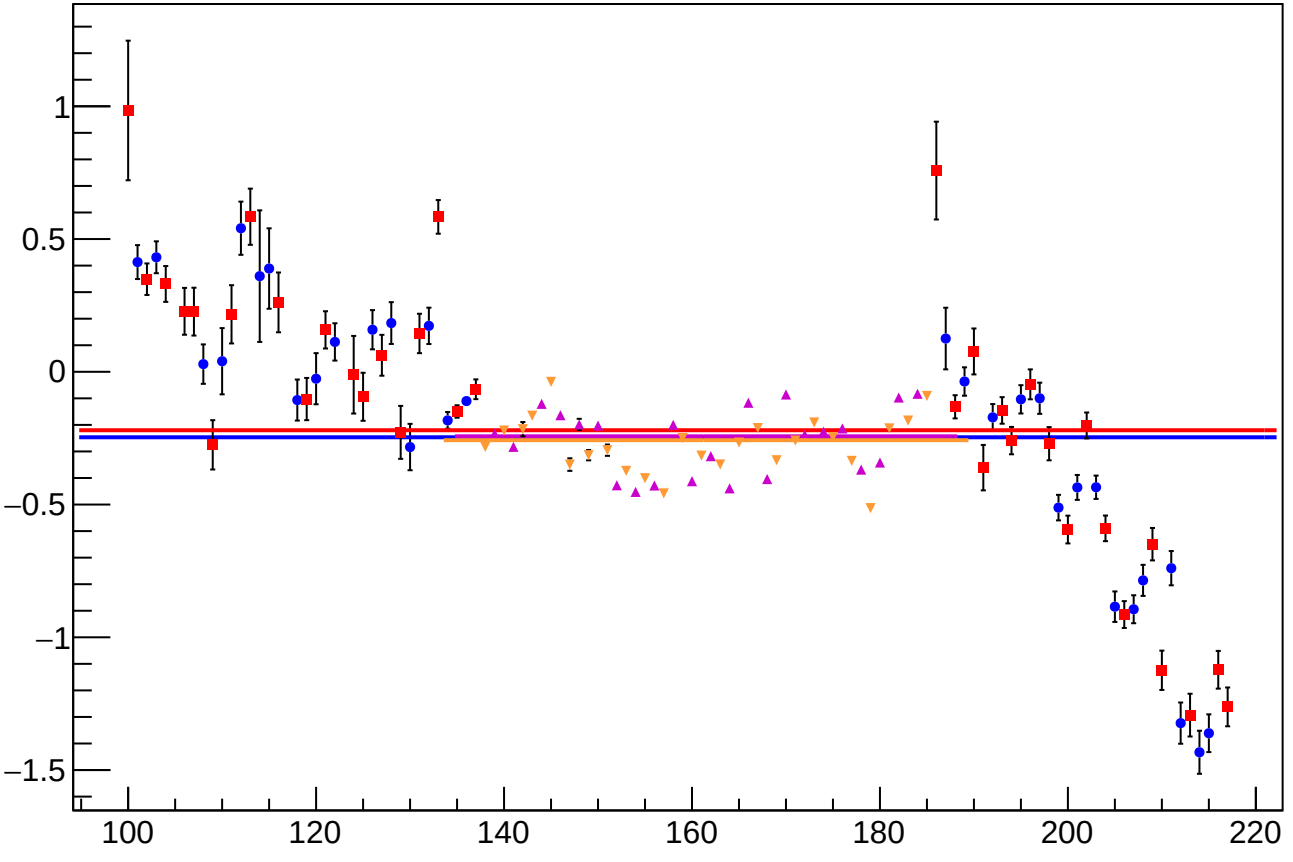
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.755+/-0.059 χ^2/NDF: 14145.3/55

All: 41.501+/-0.042 χ^2/NDF: 28239.4/114

- sign 41.234+/-0.060 χ^2/NDF: 14055.5/58

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.247+/-0.010 χ^2/NDF: 1706.7/30

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.220+/-0.010 χ^2/NDF: 1681.5/35

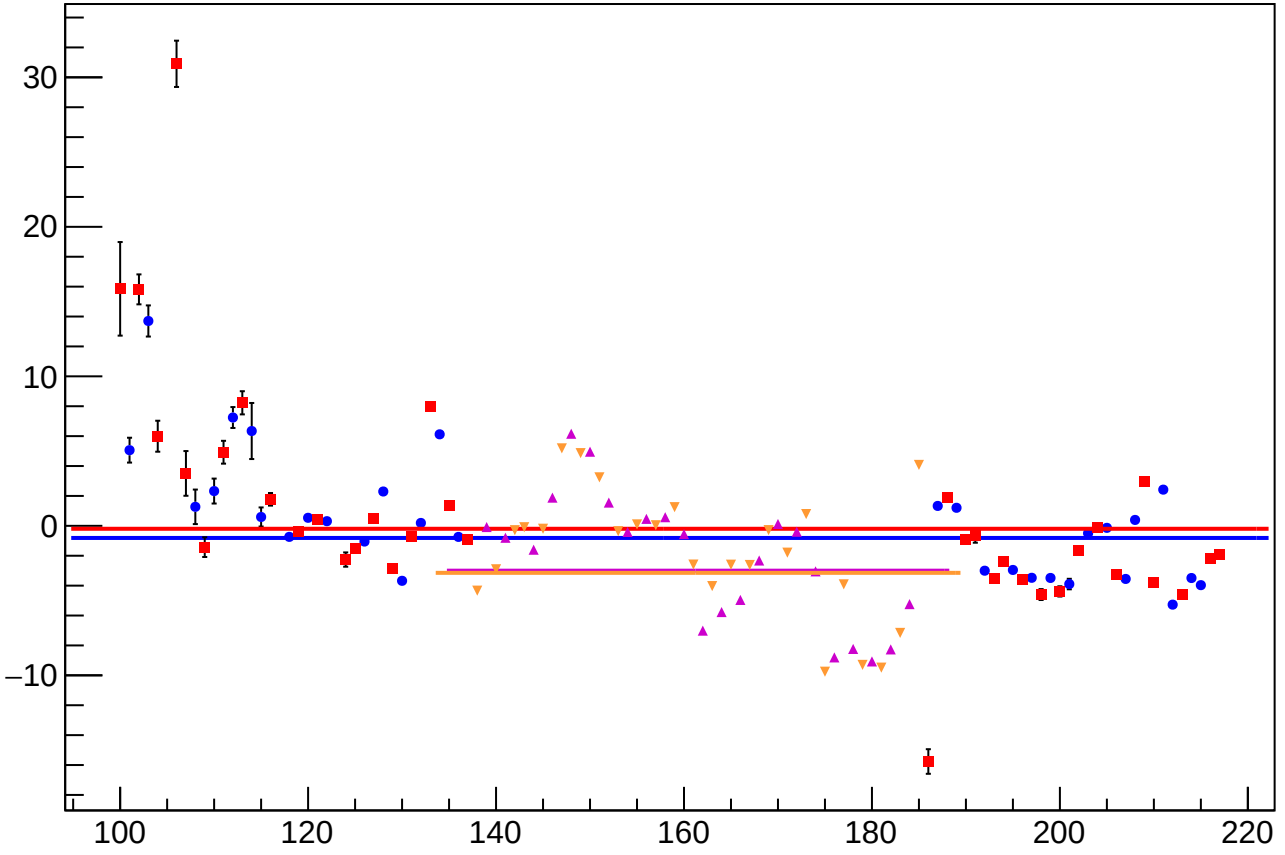
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.257+/-0.003 χ^2/NDF: 3223.0/55

All: -0.249+/-0.002 χ^2/NDF: 6737.8/114

- sign -0.241+/-0.003 χ^2/NDF: 3498.0/58

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.811+/-0.046 χ^2/NDF: 3198.7/30

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.197+/-0.044 χ^2/NDF: 5732.8/35

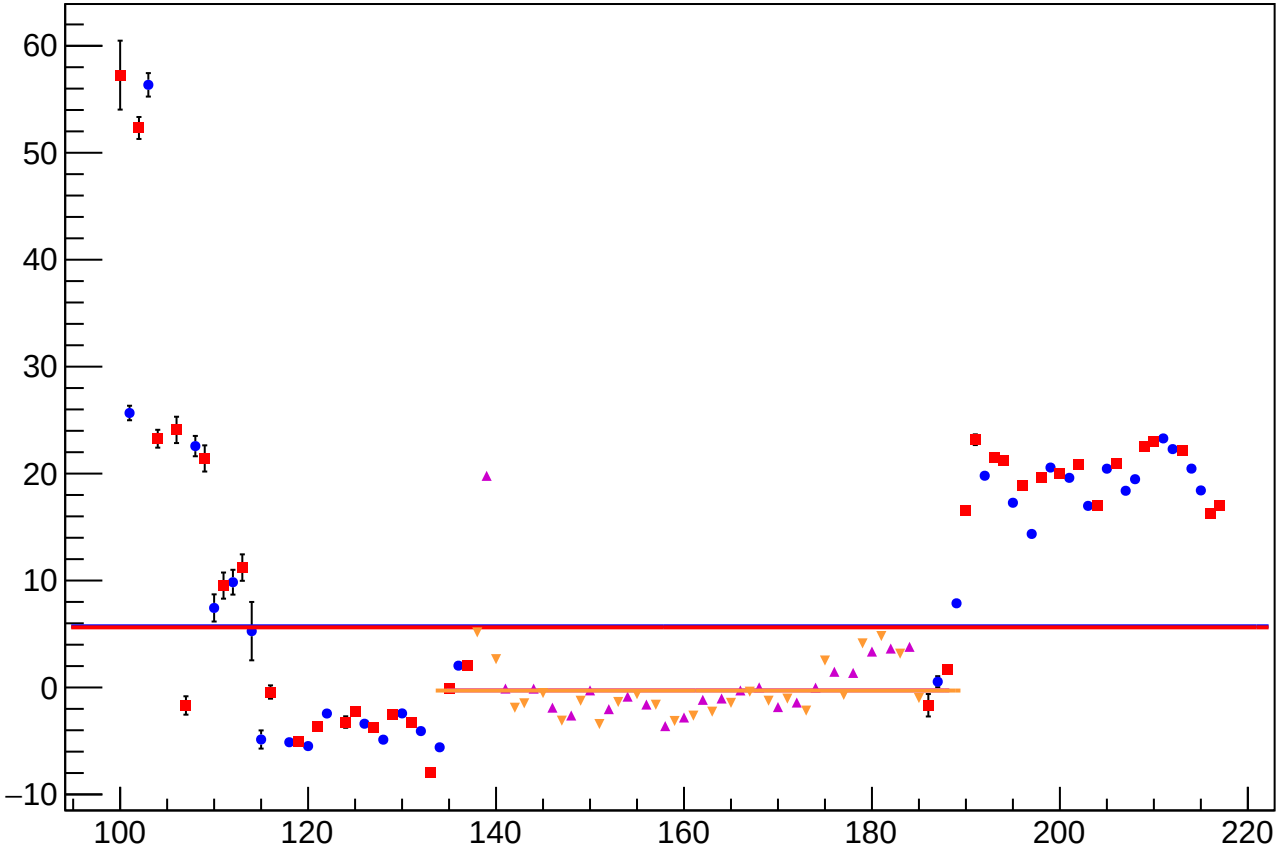
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.521+/-0.024 χ^2/NDF: 30450.6/55

All: -2.354+/-0.017 χ^2/NDF: 61525.0/114

- sign -2.185+/-0.024 χ^2/NDF: 30975.2/58

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.721+/-0.054 χ^2/NDF: 44442.8/30

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.622+/-0.052 χ^2/NDF: 53026.0/35

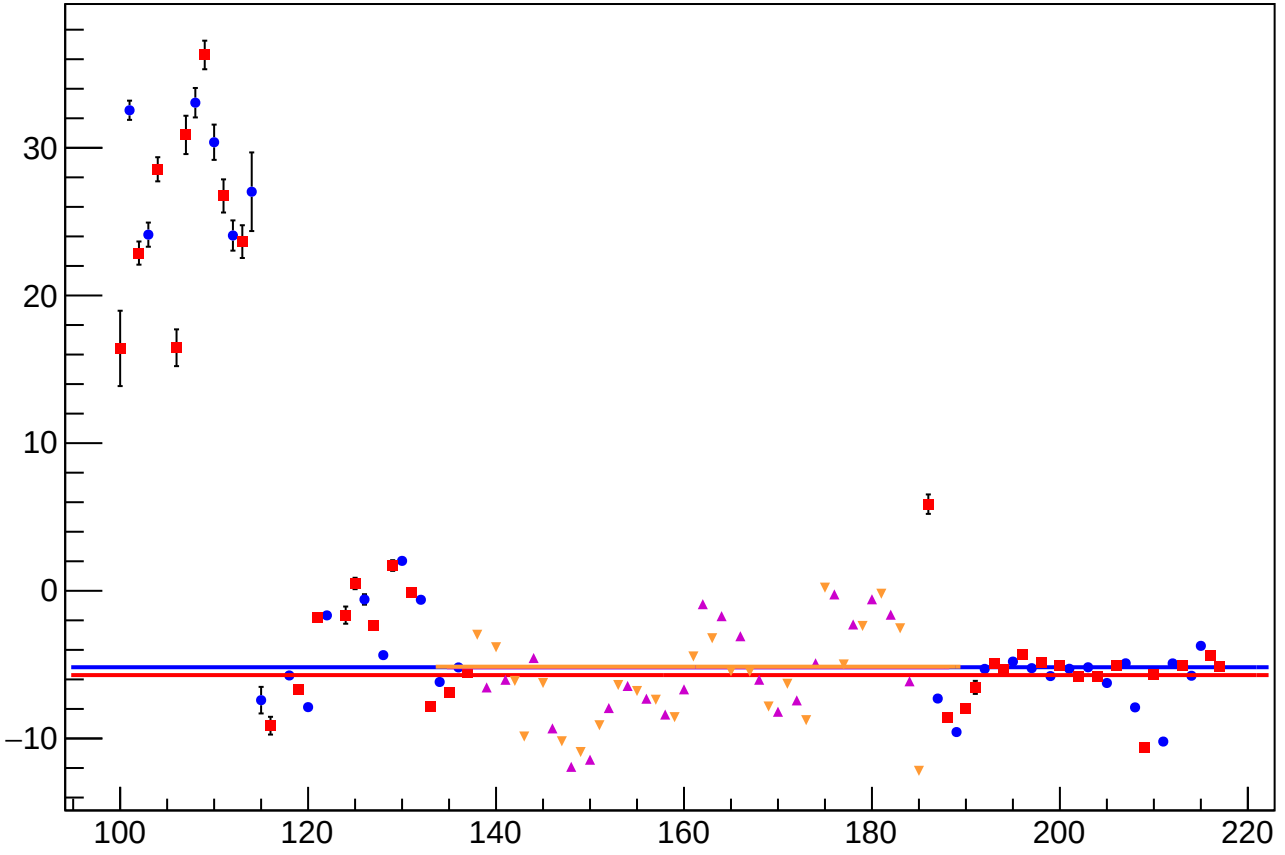
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.554+/-0.020 χ^2/NDF: 67280.4/55

All: 0.597+/-0.014 χ^2/NDF: 144347.7/114

- sign 0.641+/-0.020 χ^2/NDF: 77058.3/58

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.175+/-0.046 χ^2/NDF: 10760.5/30

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

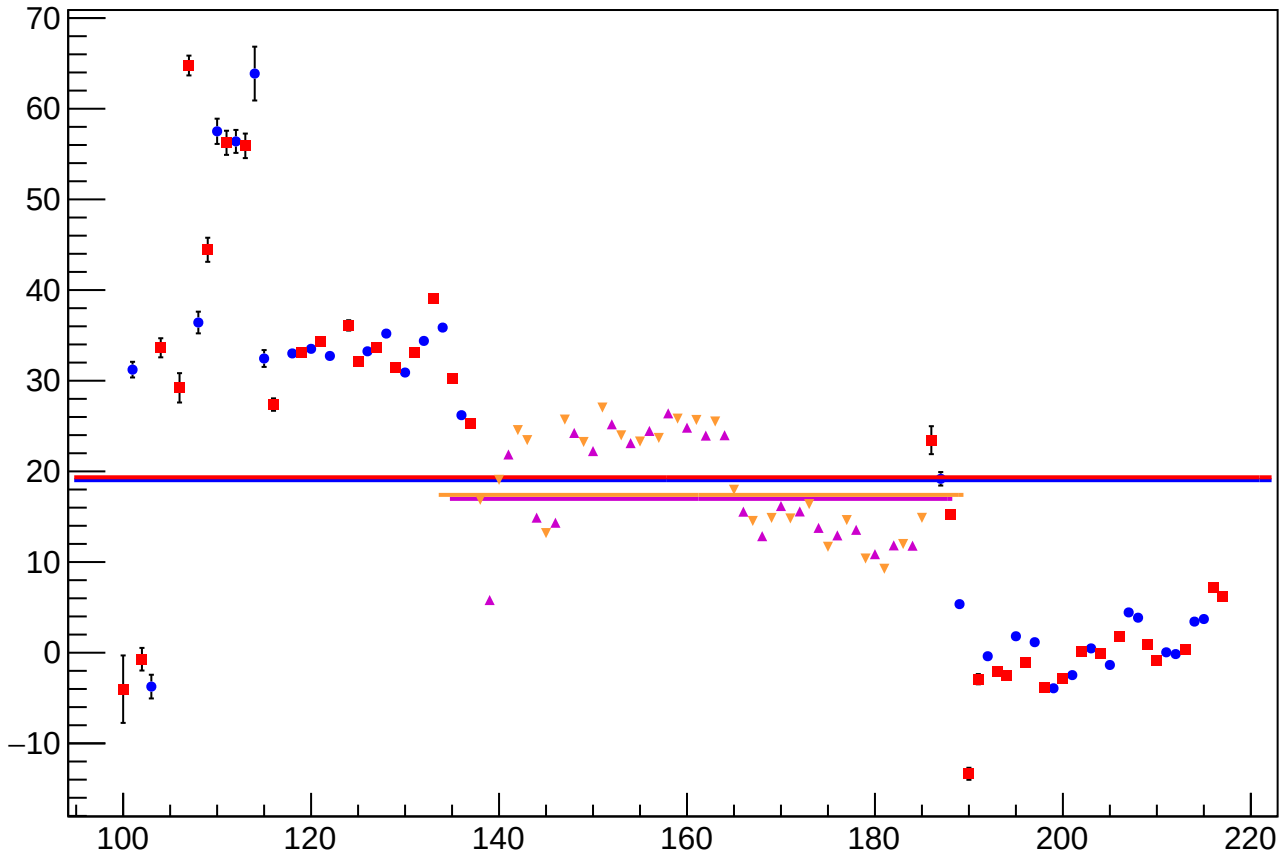
Right Out: -5.708+/-0.044 χ^2/NDF: 11548.1/35

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.148+/-0.024 χ^2/NDF: 25387.0/55

All: -5.241+/-0.017 χ^2/NDF: 51033.0/114

- sign -5.335+/-0.024 χ^2/NDF: 25615.3/58



Right In: 19.029+/-0.062 χ^2/NDF: 64884.6/30

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

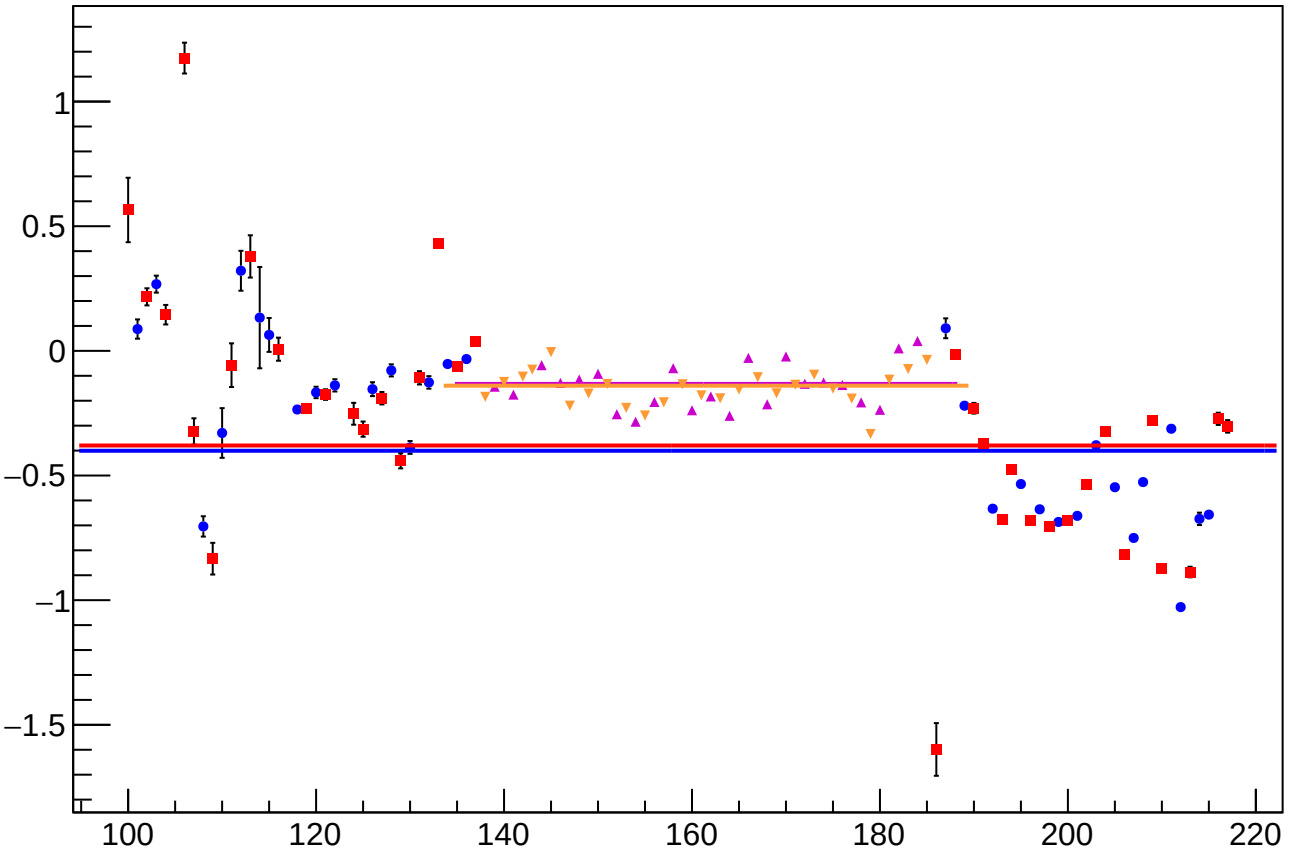
Right Out: 19.349+/-0.060 χ^2/NDF: 78619.6/35

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

\+ sign 17.629+/-0.023 χ^2/NDF: 116111.9/55

All: 17.475+/-0.016 χ^2/NDF: 236091.2/114

\- sign 17.316+/-0.023 χ^2/NDF: 119885.8/58



Right In: -0.401+/-0.003 χ^2/NDF: 9865.0/30

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

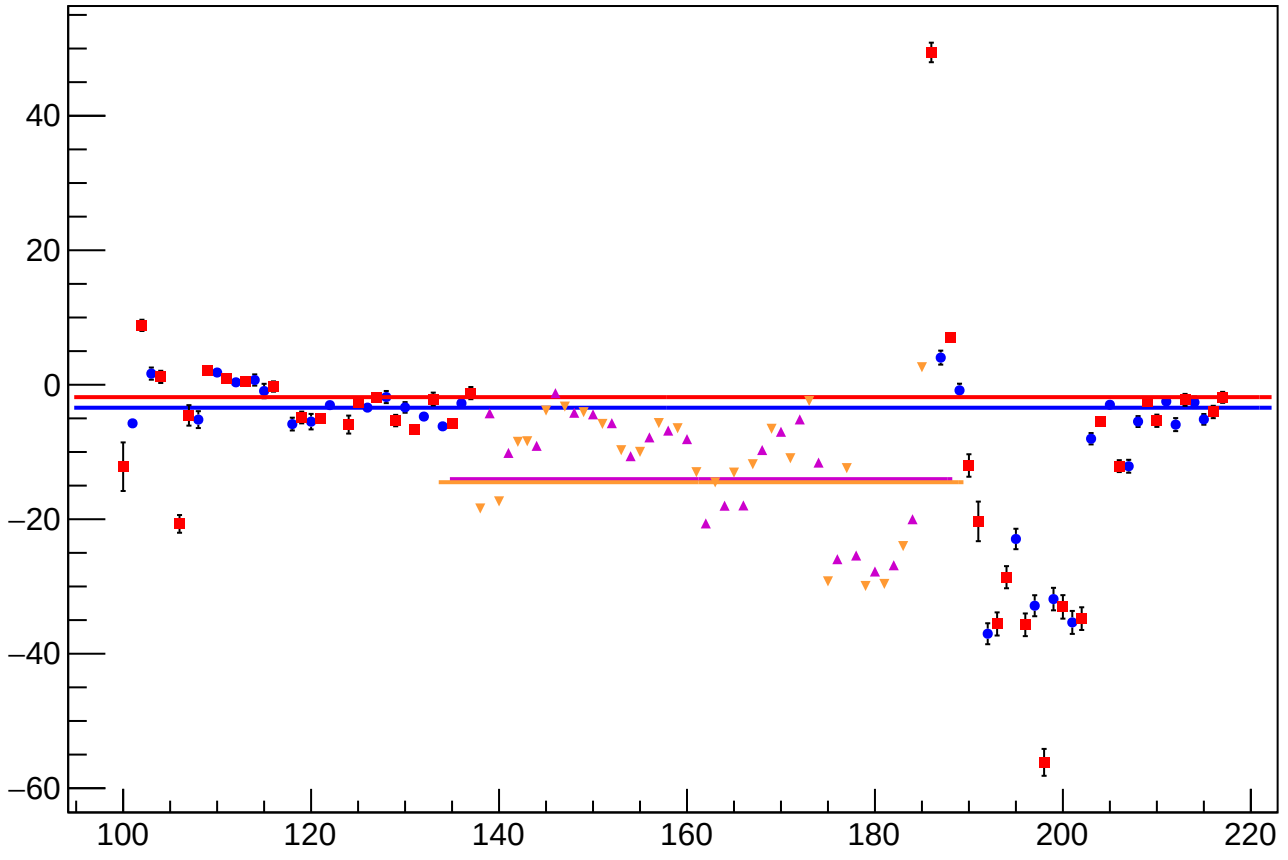
Right Out: -0.380+/-0.003 χ^2/NDF: 14198.7/35

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.173+/-0.001 χ^2/NDF: 21311.5/55

All: -0.170+/-0.001 χ^2/NDF: 47888.2/114

- sign -0.166+/-0.001 χ^2/NDF: 26556.3/58



Right In: -3.416+/-0.133 χ^2/NDF: 2220.7/30

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.842+/-0.127 χ^2/NDF: 5055.6/35

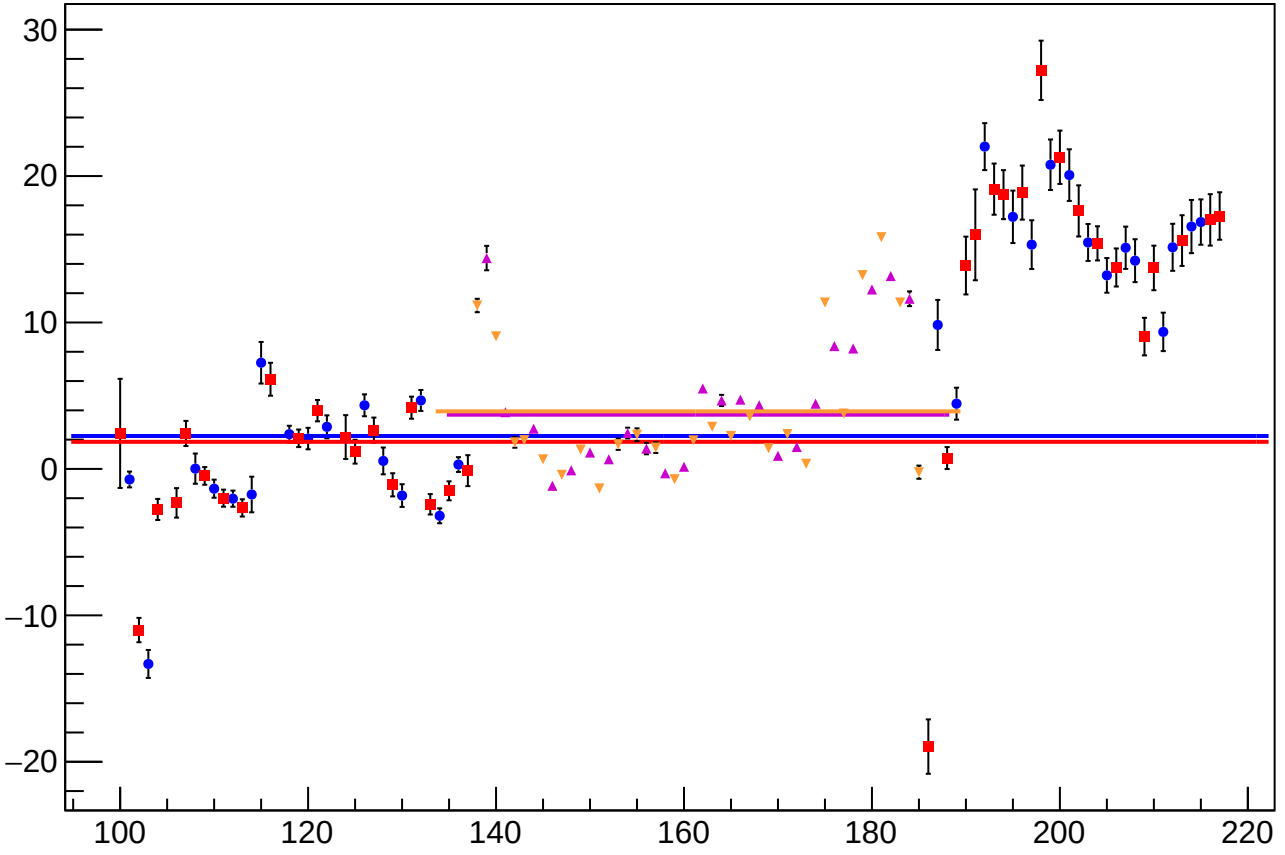
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.836+/-0.065 χ^2/NDF: 24721.2/55

All: -11.300+/-0.046 χ^2/NDF: 50178.1/114

- sign -10.756+/-0.066 χ^2/NDF: 25320.7/58

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.247+/-0.158 χ^2/NDF: 1710.0/30

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.851+/-0.159 χ^2/NDF: 1892.1/35

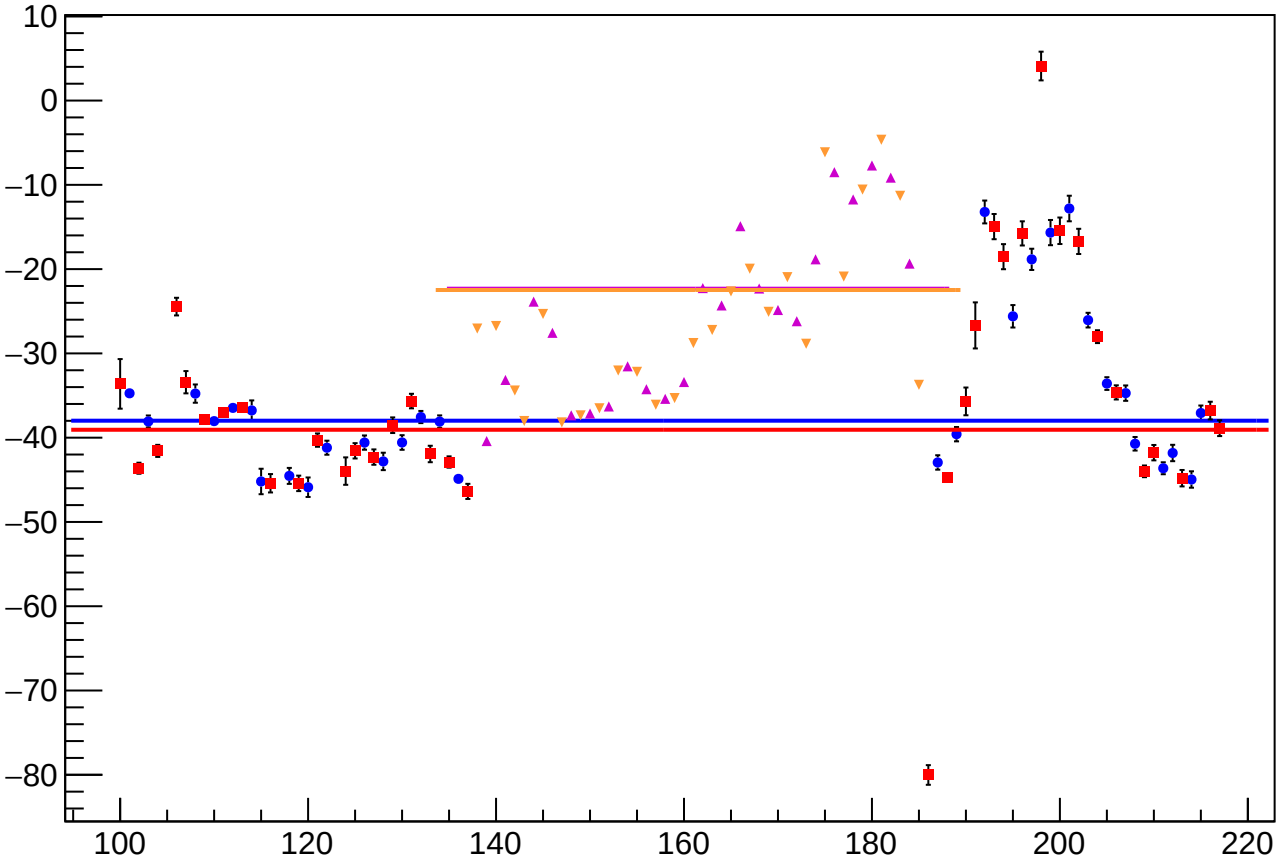
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

\+ sign 3.731+/-0.054 χ^2/NDF: 8790.0/55

All: 3.607+/-0.039 χ^2/NDF: 15600.4/114

\- sign 3.477+/-0.056 χ^2/NDF: 6799.7/58

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.985+/-0.145 χ^2/NDF: 2041.9/30

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.061+/-0.142 χ^2/NDF: 4139.8/35

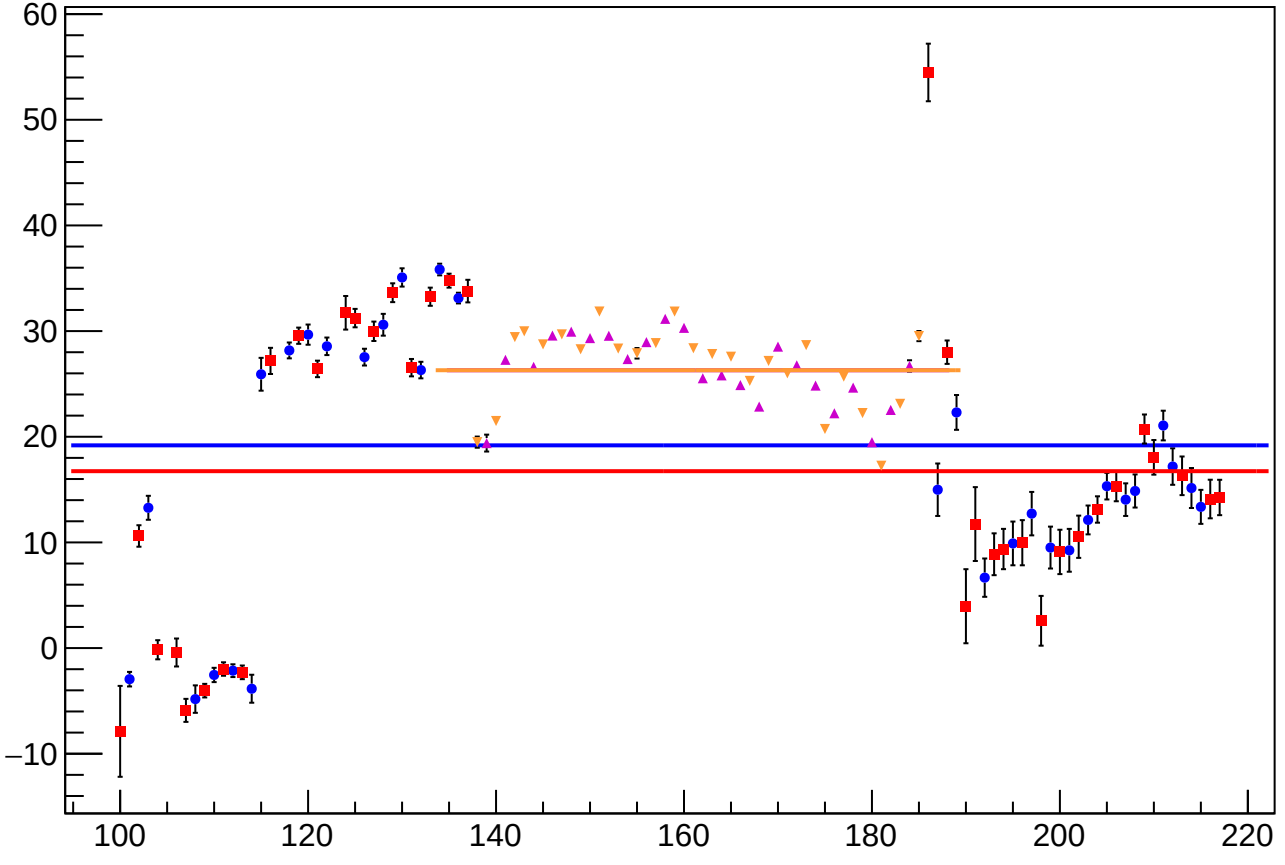
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.724+/-0.066 χ^2/NDF: 31461.3/55

All: -25.898+/-0.047 χ^2/NDF: 63465.2/114

- sign -26.076+/-0.067 χ^2/NDF: 31990.2/58

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.186+/-0.178 χ^2/NDF: 6916.1/30

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.742+/-0.181 χ^2/NDF: 7172.3/35

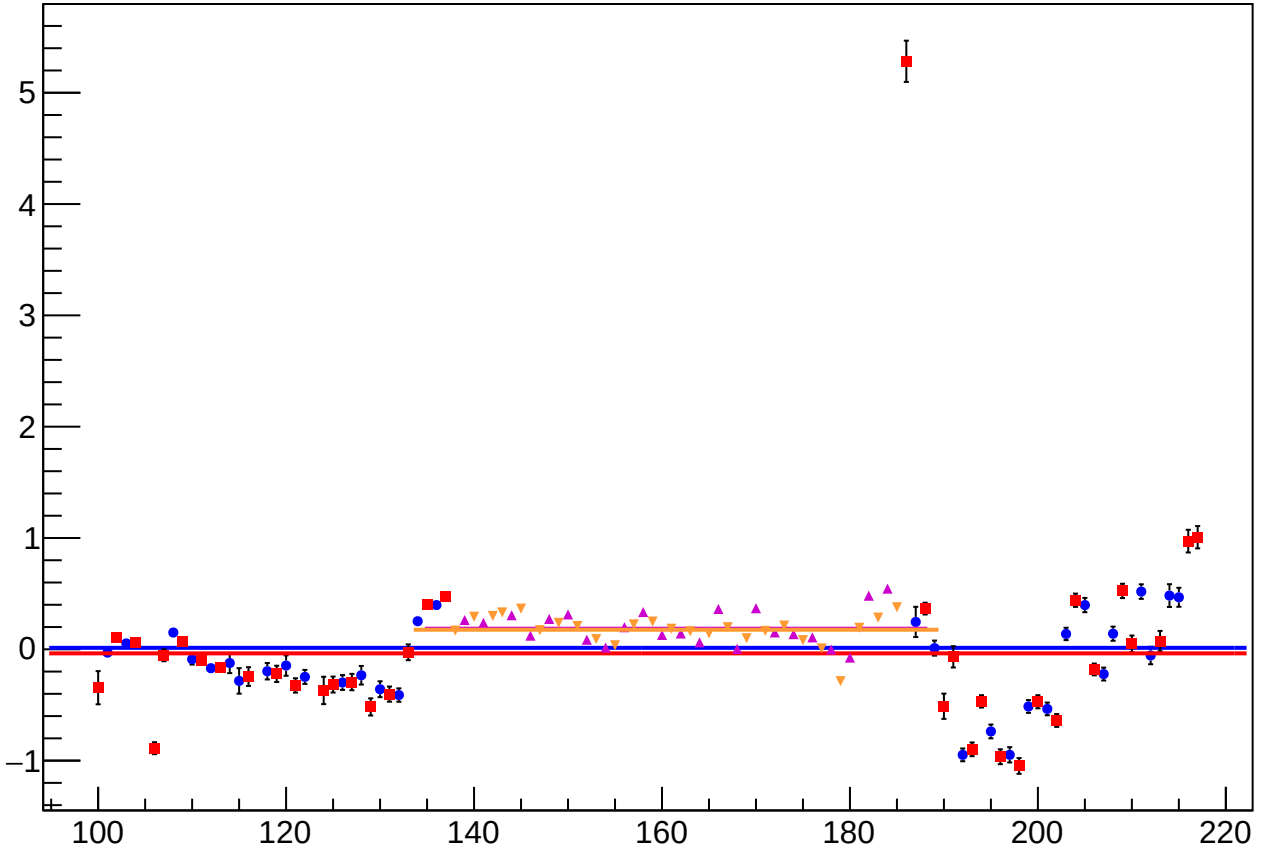
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.455+/-0.061 χ^2/NDF: 11636.0/55

All: 25.305+/-0.044 χ^2/NDF: 23464.0/114

- sign 25.149+/-0.063 χ^2/NDF: 11815.9/58

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.009 χ^2/NDF: 1590.7/30

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.037+/-0.009 χ^2/NDF: 2926.0/35

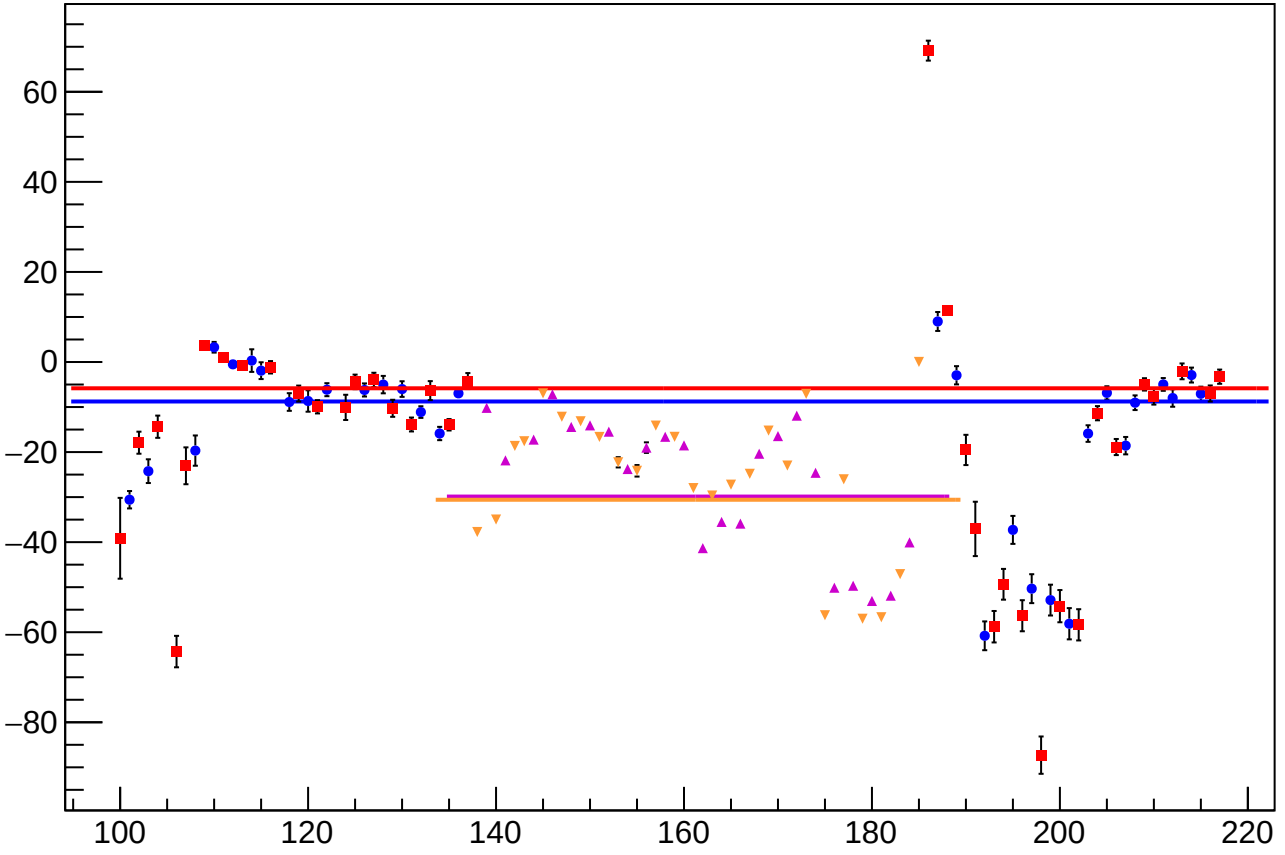
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3827.2/55

All: 0.162+/-0.002 χ^2/NDF: 9816.9/114

- sign 0.164+/-0.003 χ^2/NDF: 5988.6/58

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.765+/-0.302 χ^2/NDF: 1444.1/30

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.836+/-0.295 χ^2/NDF: 3515.3/35

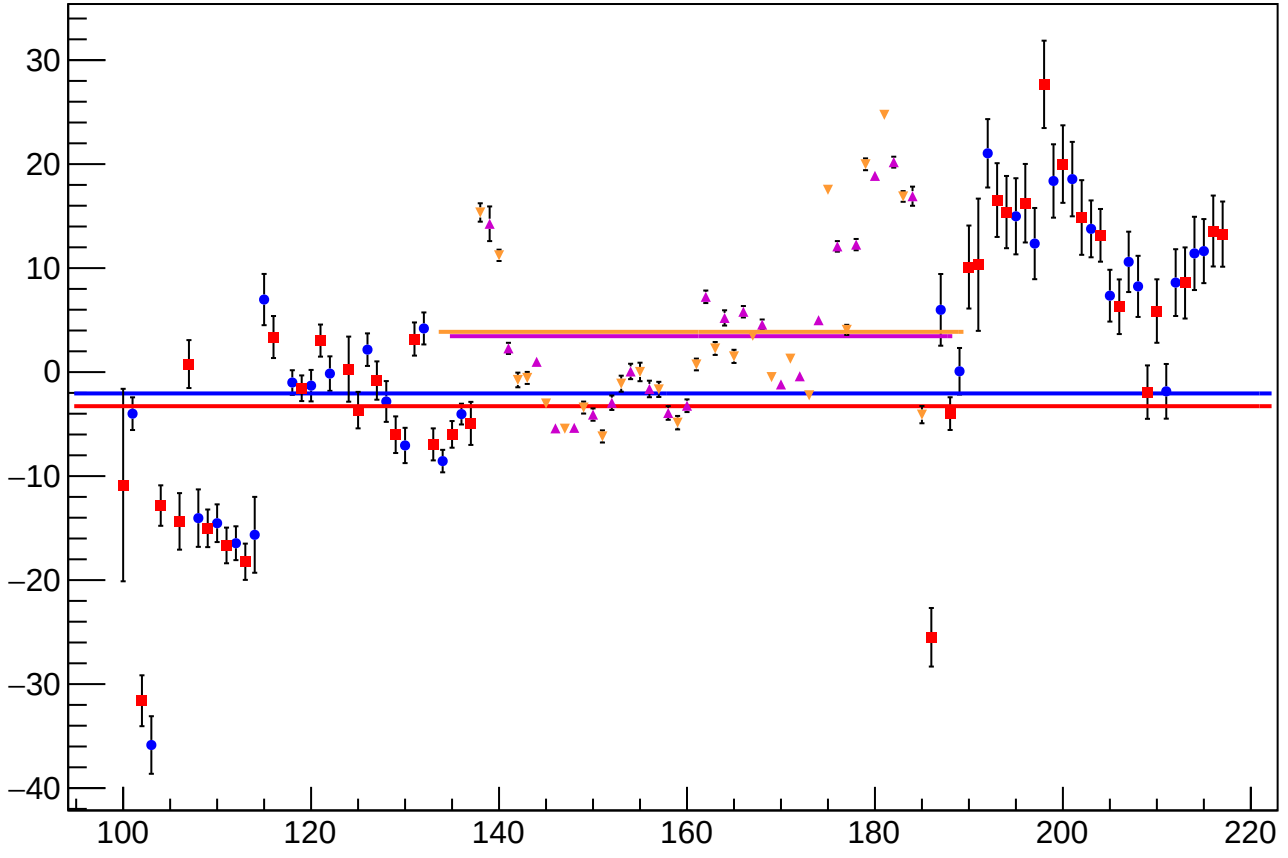
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -26.633+/-0.129 χ^2/NDF: 21761.0/55

All: -25.892+/-0.092 χ^2/NDF: 42724.9/114

- sign -25.124+/-0.131 χ^2/NDF: 20896.2/58

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.051+/-0.352 χ^2/NDF: 683.6/30

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.277+/-0.361 χ^2/NDF: 830.2/35

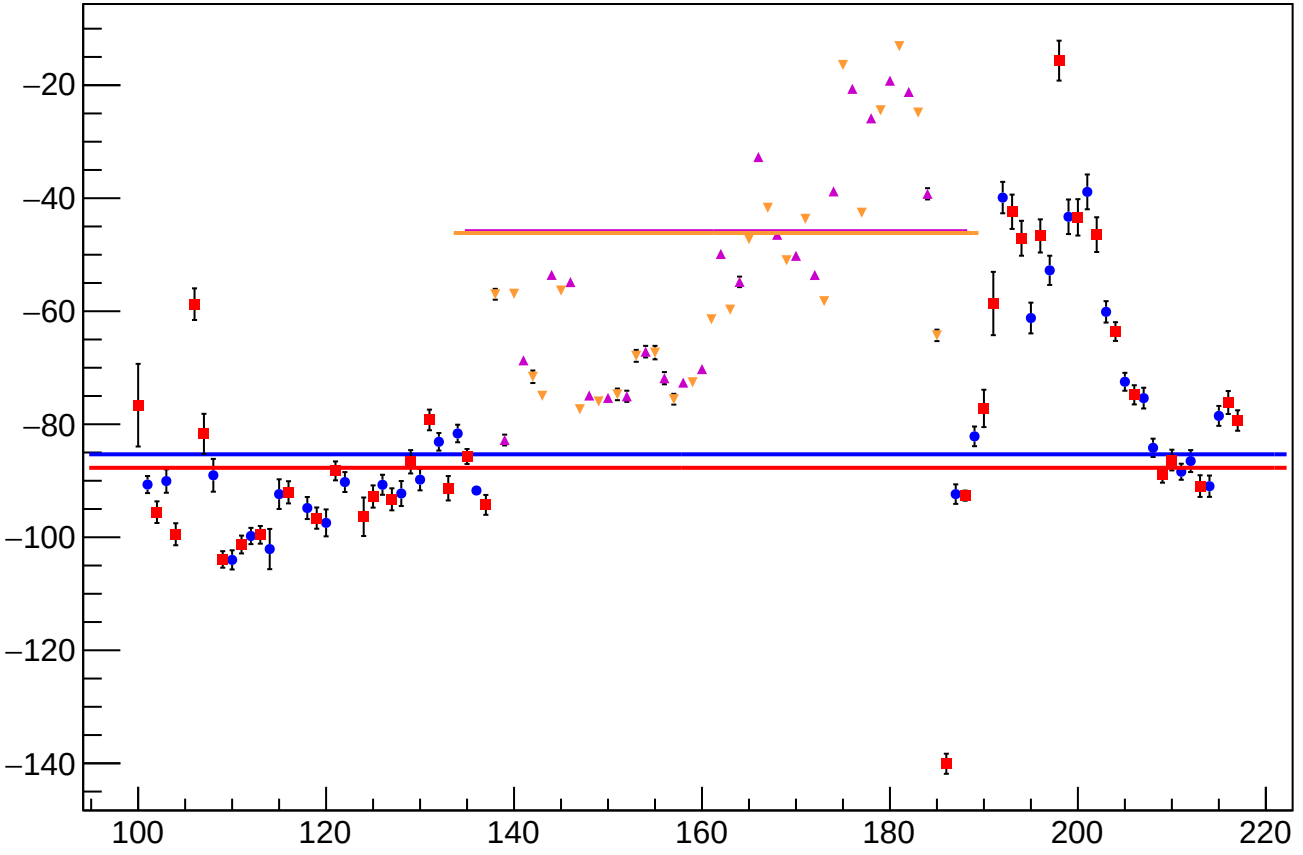
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.337+/-0.106 χ^2/NDF: 7482.6/55

All: 3.098+/-0.076 χ^2/NDF: 13332.3/114

- sign 2.847+/-0.108 χ^2/NDF: 5839.3/58

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.320+/-0.323 χ^2/NDF: 1656.3/30

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.707+/-0.319 χ^2/NDF: 3149.5/35

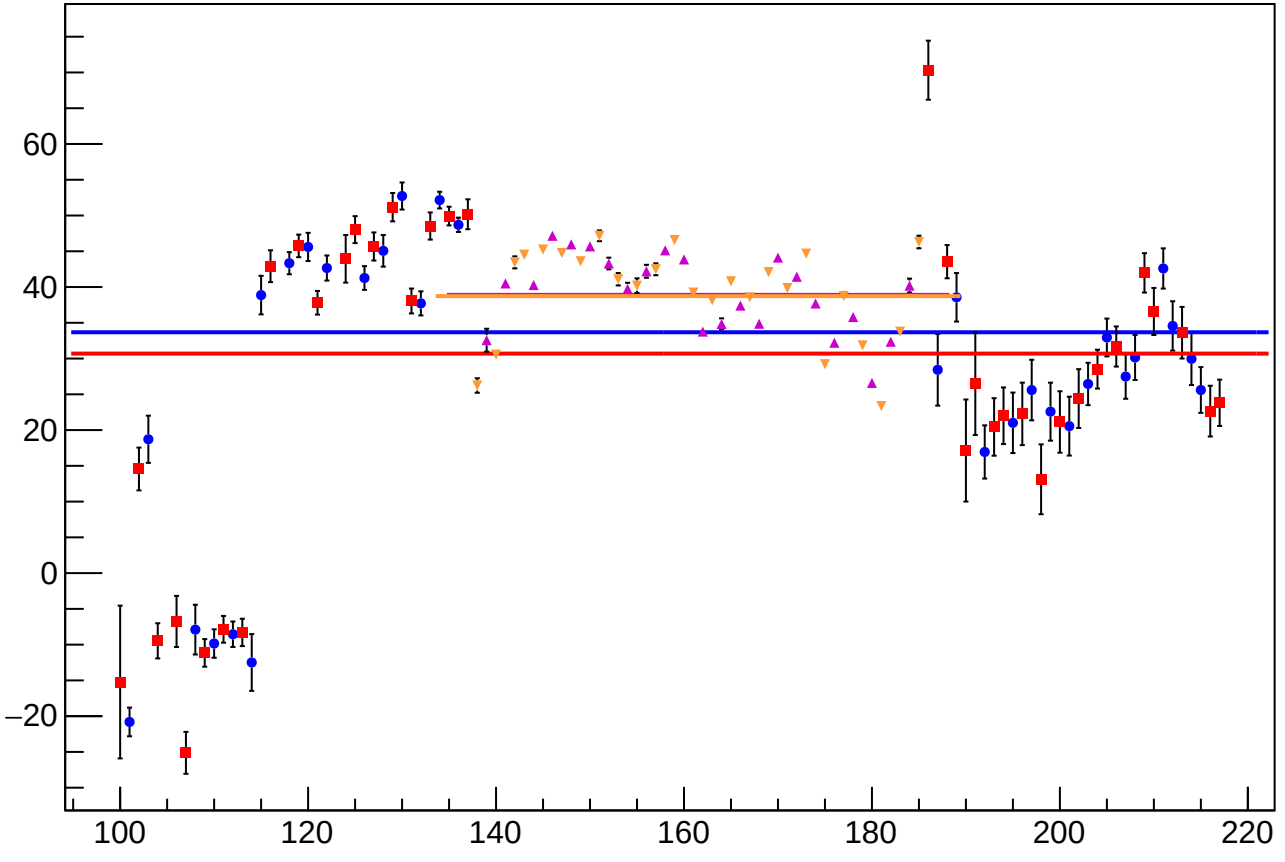
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.518+/-0.130 χ^2/NDF: 35405.5/55

All: -52.795+/-0.093 χ^2/NDF: 70725.7/114

- sign -53.082+/-0.133 χ^2/NDF: 35311.0/58

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.676+/-0.395 χ^2/NDF: 2897.2/30

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.692+/-0.410 χ^2/NDF: 3105.0/35

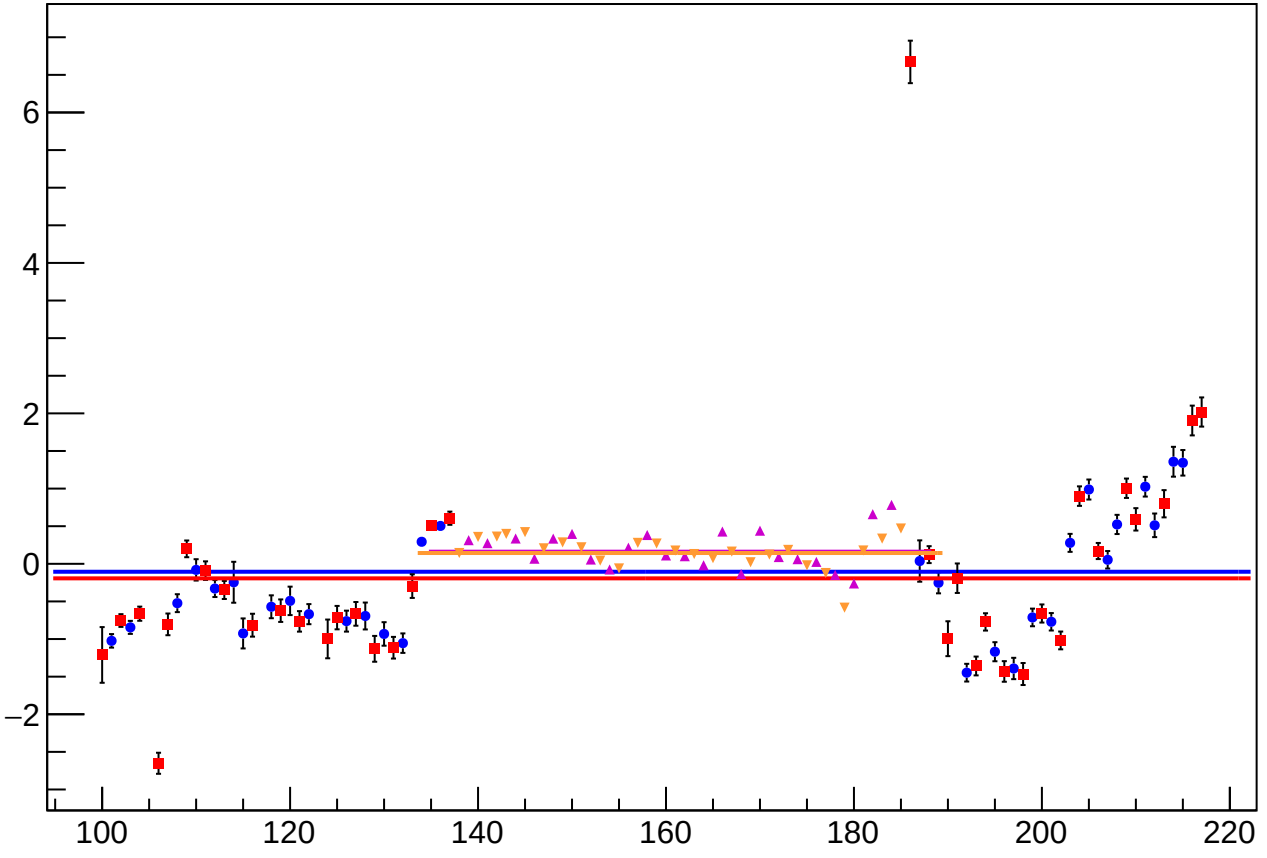
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.274+/-0.119 χ^2/NDF: 5827.6/55

All: 38.229+/-0.085 χ^2/NDF: 11269.8/114

- sign 38.182+/-0.122 χ^2/NDF: 5441.9/58

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.105+/-0.020 χ^2/NDF: 1296.1/30

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.193+/-0.021 χ^2/NDF: 2243.6/35

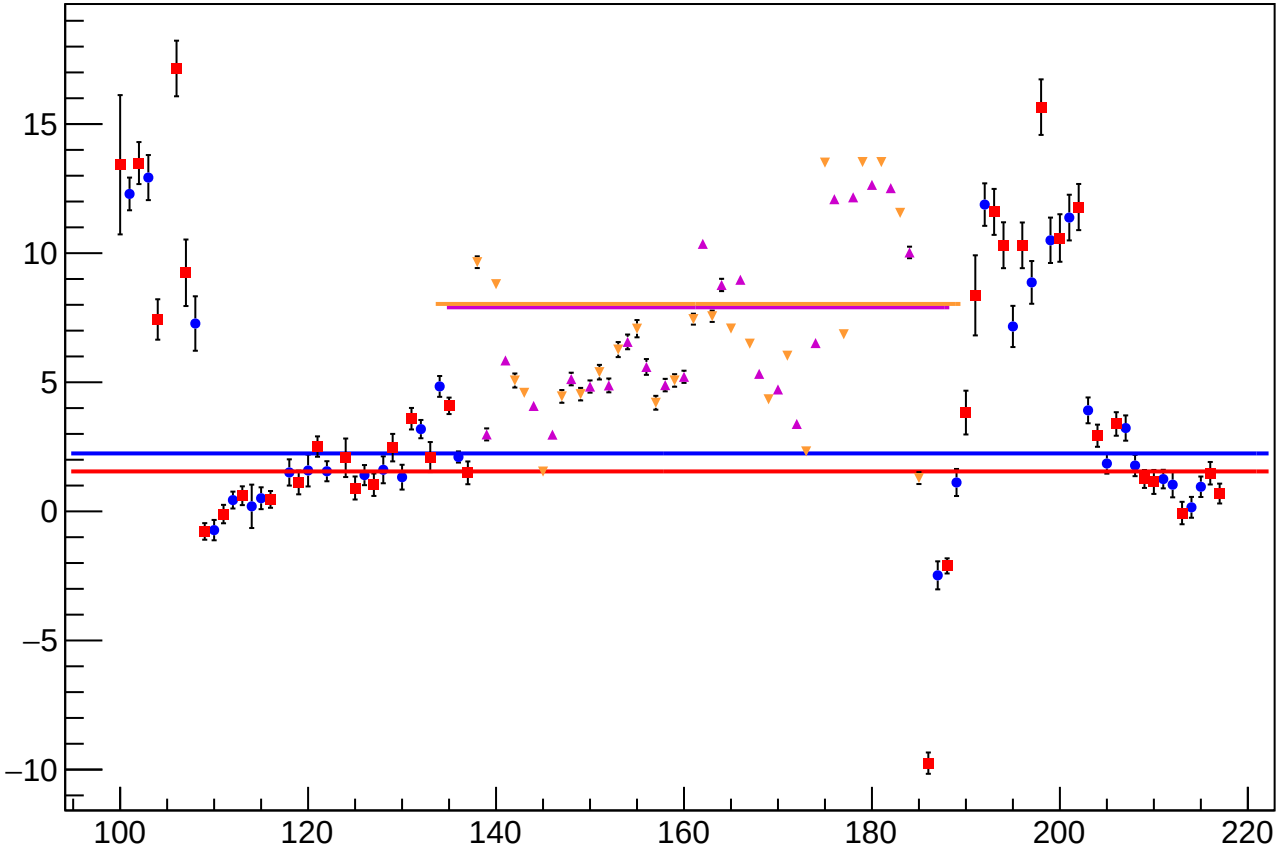
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.125+/-0.005 χ^2/NDF: 2885.4/55

All: 0.131+/-0.004 χ^2/NDF: 7318.3/114

- sign 0.137+/-0.005 χ^2/NDF: 4430.7/58

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.244+/-0.082 χ^2/NDF: 1182.4/30

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

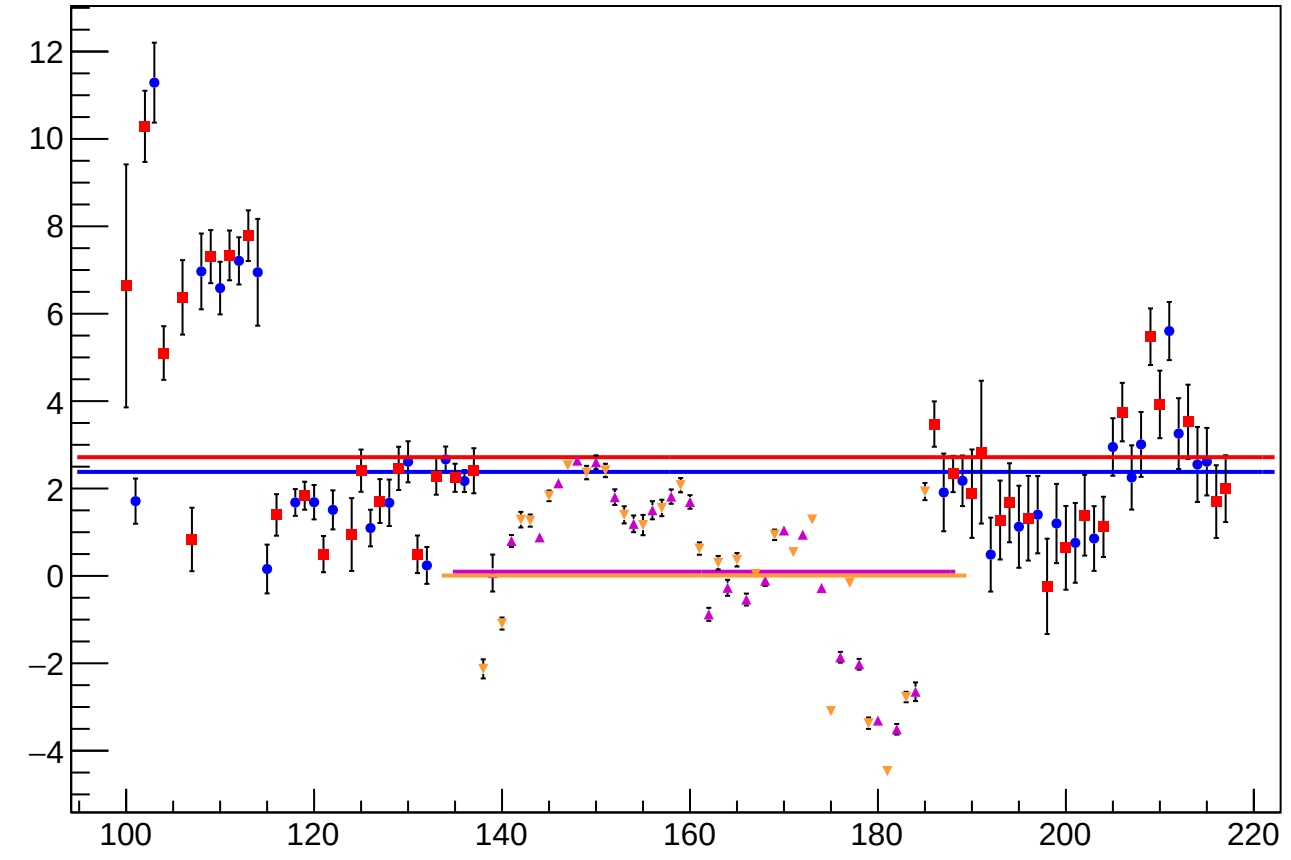
Right Out: 1.547+/-0.080 χ^2/NDF: 2432.1/35

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

\+ sign 7.148+/-0.032 χ^2/NDF: 19361.0/55

All: 6.997+/-0.023 χ^2/NDF: 37133.3/114

\- sign 6.839+/-0.033 χ^2/NDF: 17726.6/58



Right In: 2.380+/-0.095 χ^2/NDF: 377.7/30

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.717+/-0.098 χ^2/NDF: 466.5/35

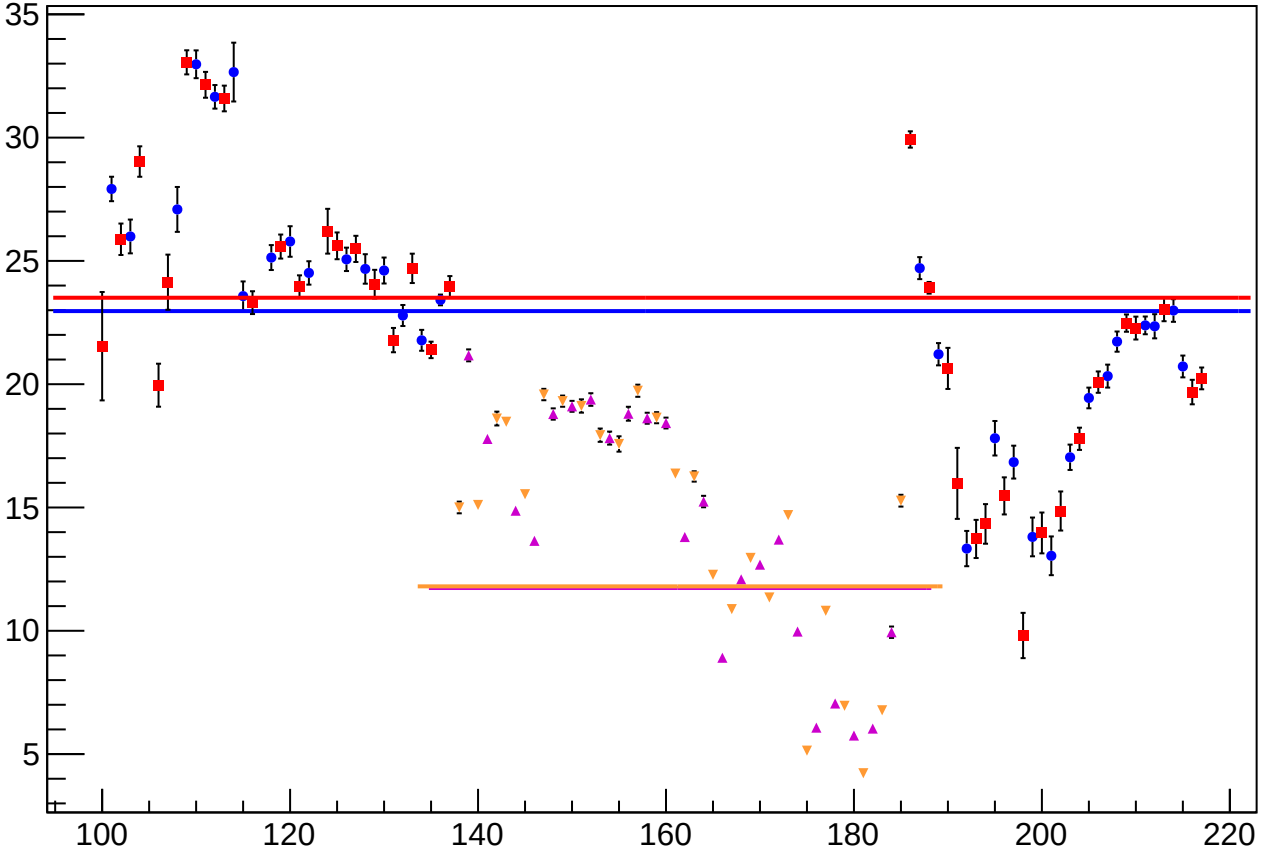
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.191+/-0.026 χ^2/NDF: 6711.4/55

All: 0.243+/-0.019 χ^2/NDF: 12284.1/114

- sign 0.297+/-0.027 χ^2/NDF: 5564.9/58

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.965+/-0.087 χ^2/NDF: 1872.1/30

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.506+/-0.085 χ^2/NDF: 2771.1/35

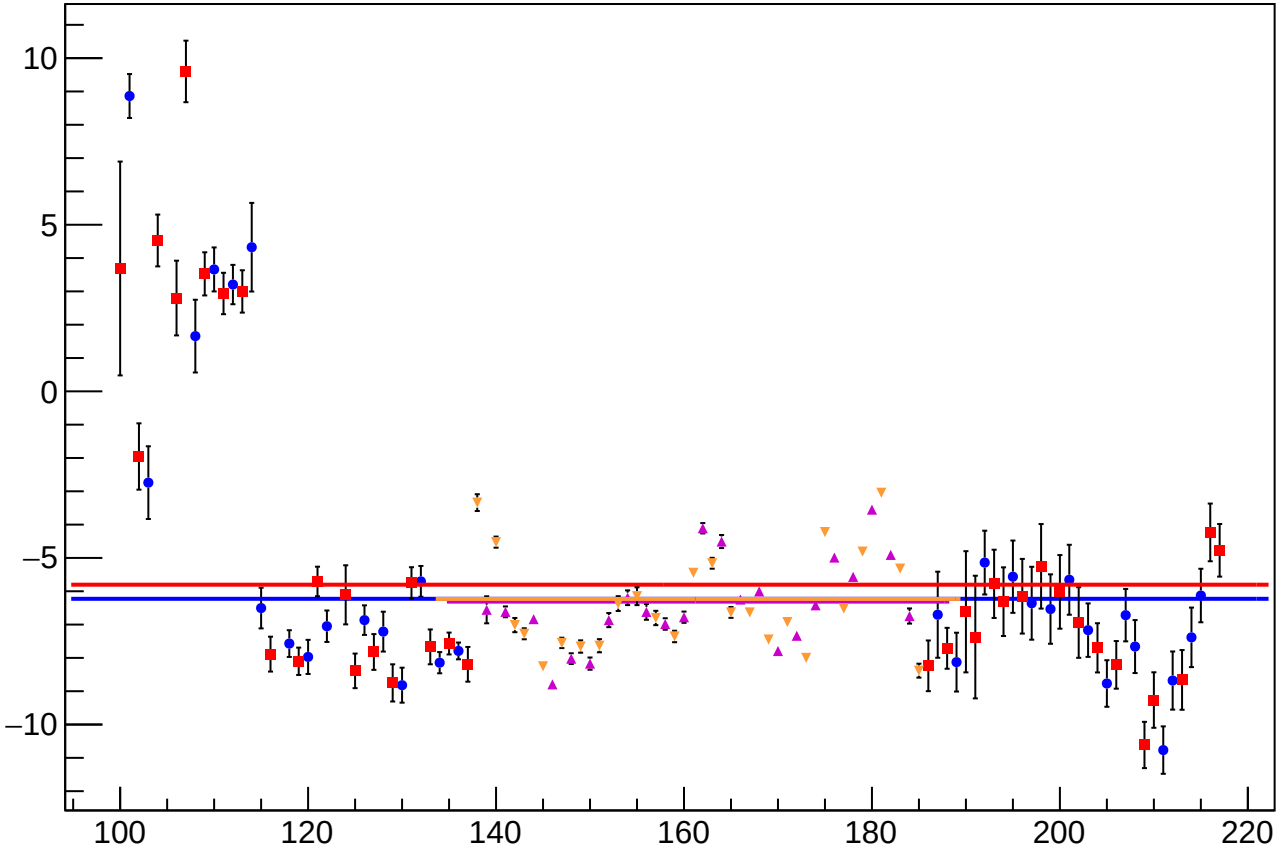
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.360+/-0.032 χ^2/NDF: 37675.1/55

All: 13.440+/-0.023 χ^2/NDF: 74880.9/114

- sign 13.524+/-0.033 χ^2/NDF: 37193.2/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.227+/-0.107 χ^2/NDF: 1335.2/30

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

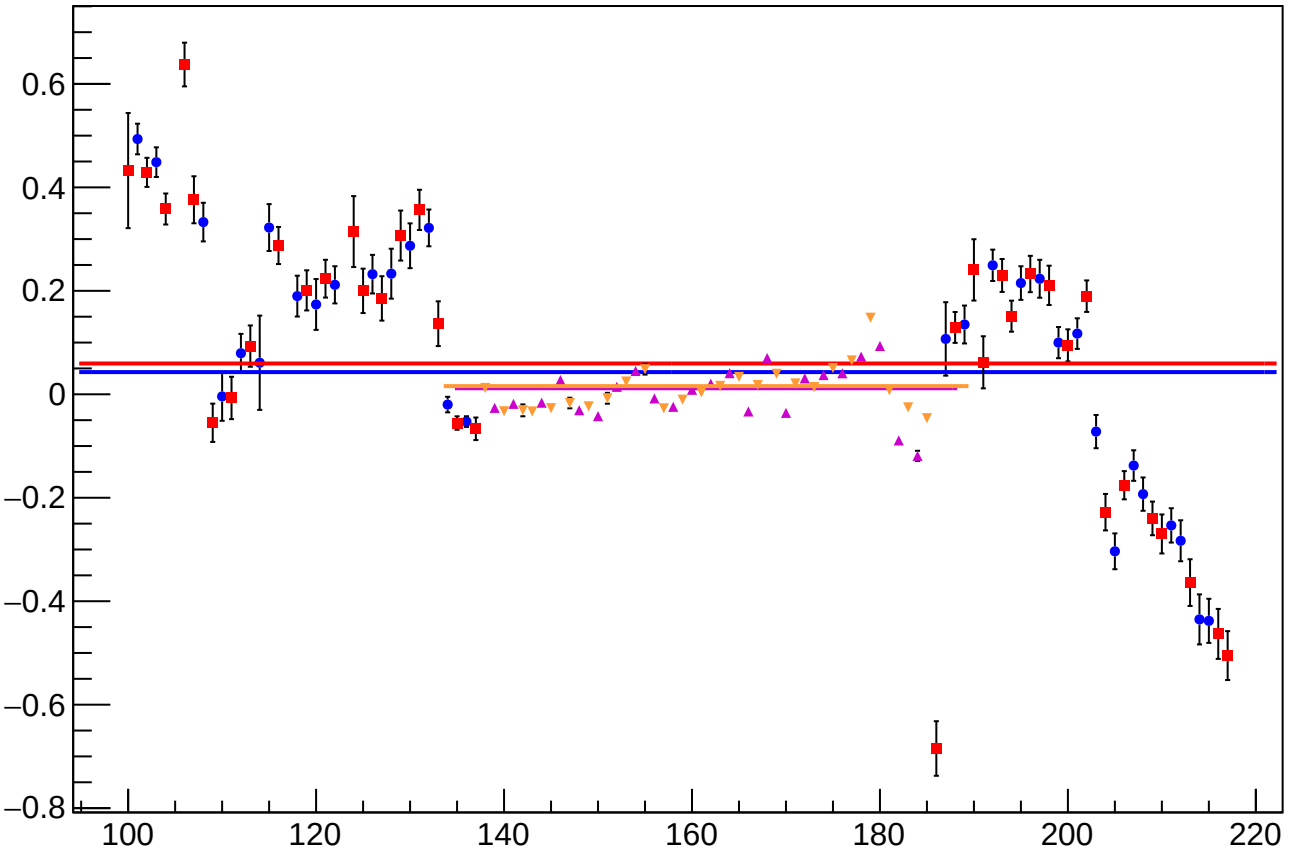
Right Out: -5.803+/-0.111 χ^2/NDF: 1432.8/35

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.230+/-0.029 χ^2/NDF: 3785.3/55

All: -6.251+/-0.021 χ^2/NDF: 7268.7/114

- sign -6.274+/-0.030 χ^2/NDF: 3482.4/58



Right In: 0.043+/-0.005 χ^2/NDF: 1506.2/30

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

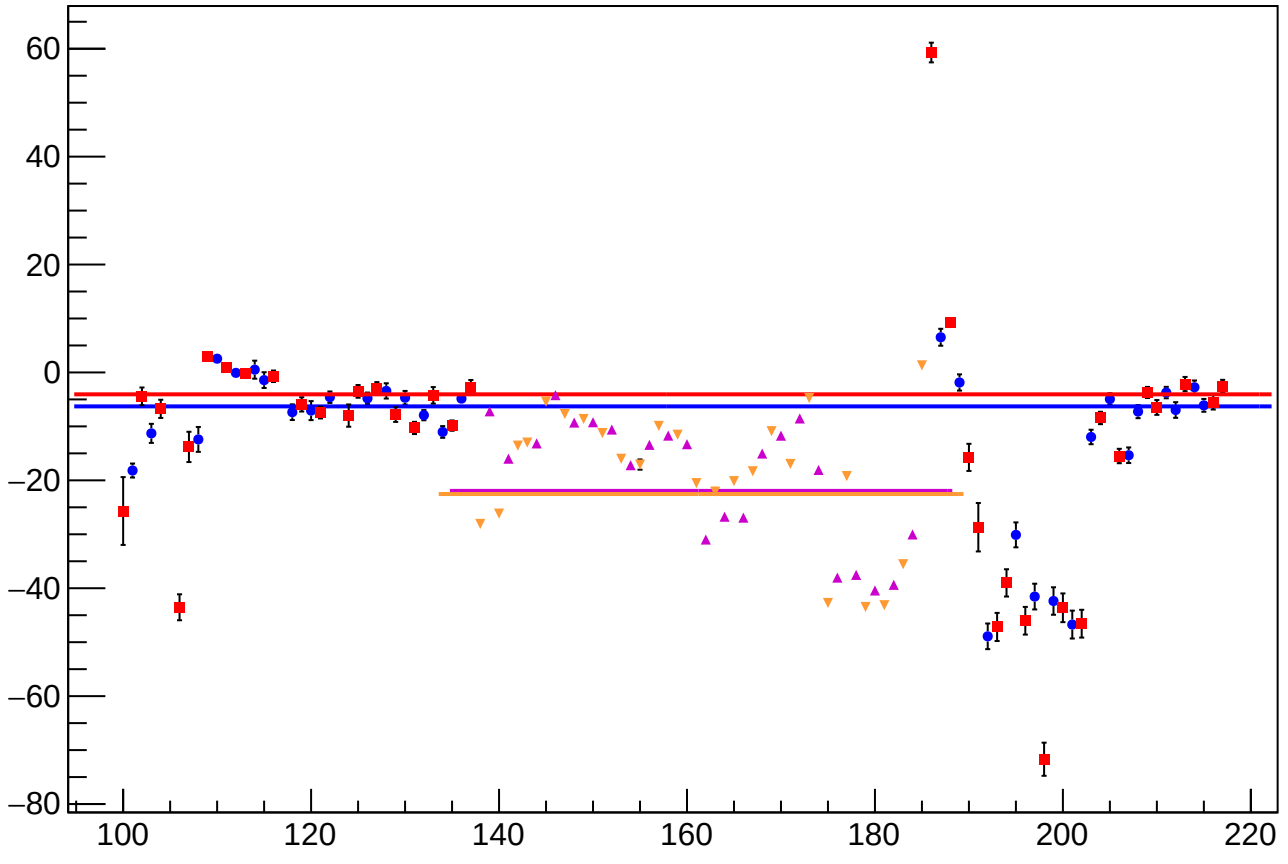
Right Out: 0.060+/-0.006 χ^2/NDF: 1799.8/35

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.018+/-0.001 χ^2/NDF: 2463.9/55

All: 0.016+/-0.001 χ^2/NDF: 5631.9/114

- sign 0.015+/-0.001 χ^2/NDF: 3165.5/58



Right In: -6.293+/-0.219 χ^2/NDF: 1617.7/30

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.058+/-0.212 χ^2/NDF: 3915.4/35

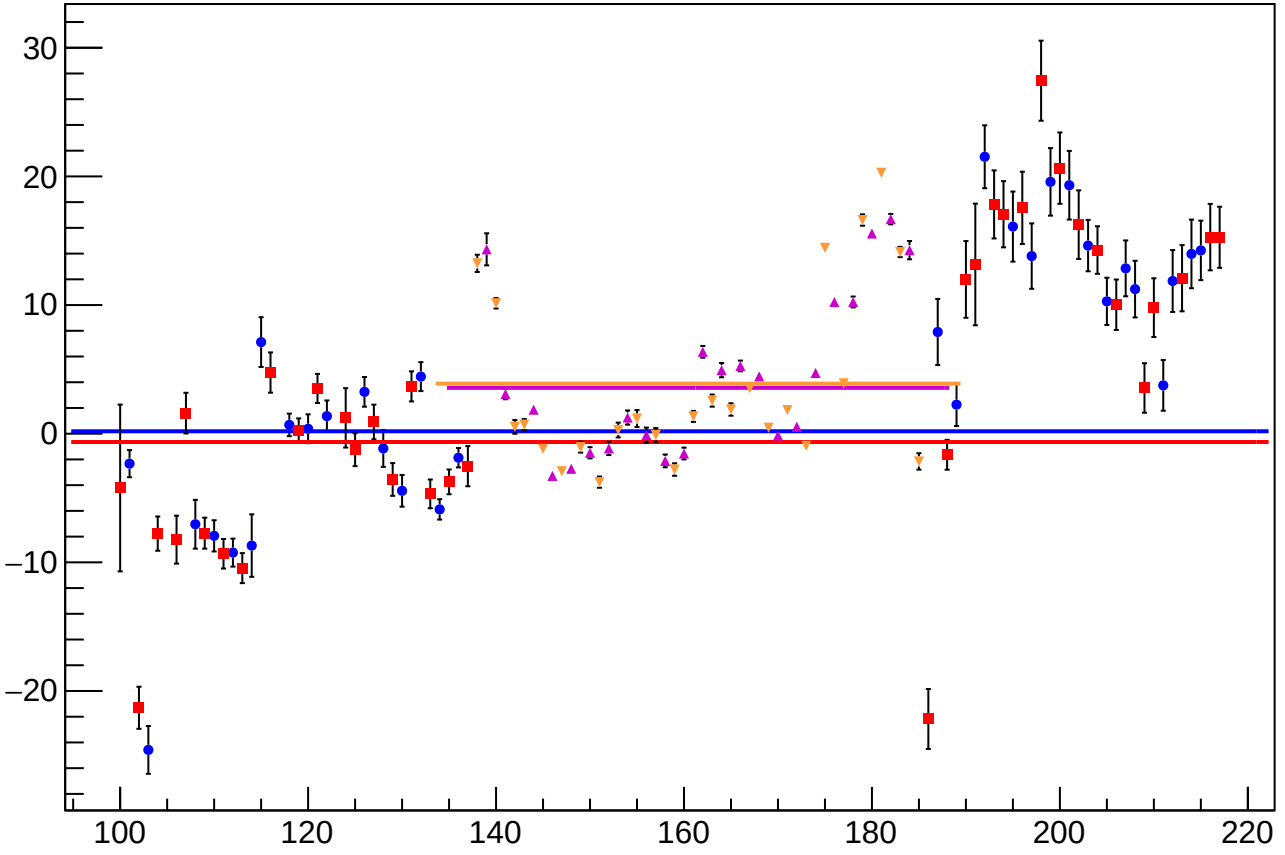
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.357+/-0.097 χ^2/NDF: 22580.2/55

All: -18.743+/-0.069 χ^2/NDF: 44735.4/114

- sign -18.109+/-0.098 χ^2/NDF: 22073.7/58

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.188+/-0.256 χ^2/NDF: 935.9/30

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

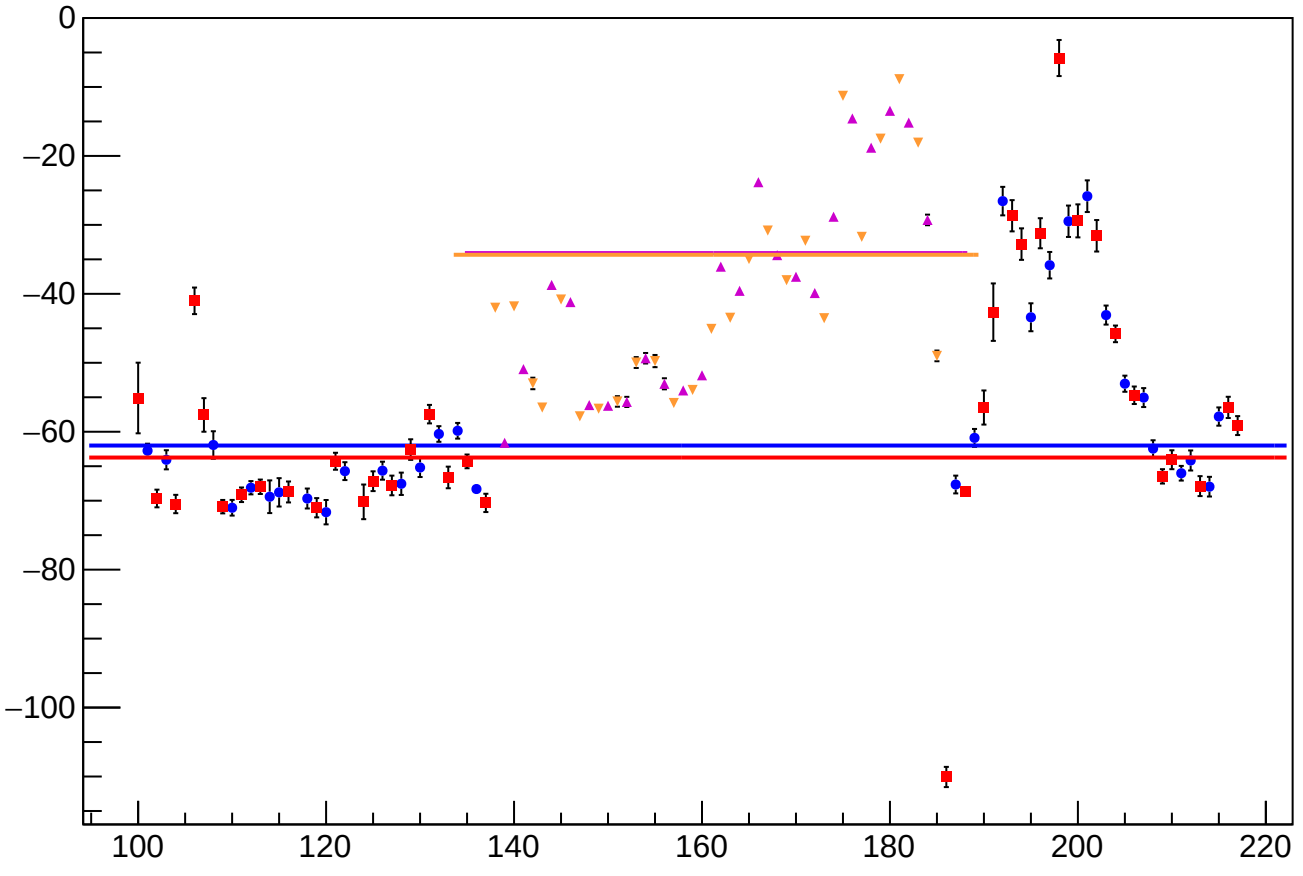
Right Out: -0.645+/-0.262 χ^2/NDF: 1101.4/35

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.530+/-0.080 χ^2/NDF: 7848.5/55

All: 3.346+/-0.057 χ^2/NDF: 13933.2/114

- sign 3.154+/-0.082 χ^2/NDF: 6073.9/58



Right In: -62.001+/-0.236 χ^2/NDF: 1669.1/30

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.742+/-0.232 χ^2/NDF: 3349.5/35

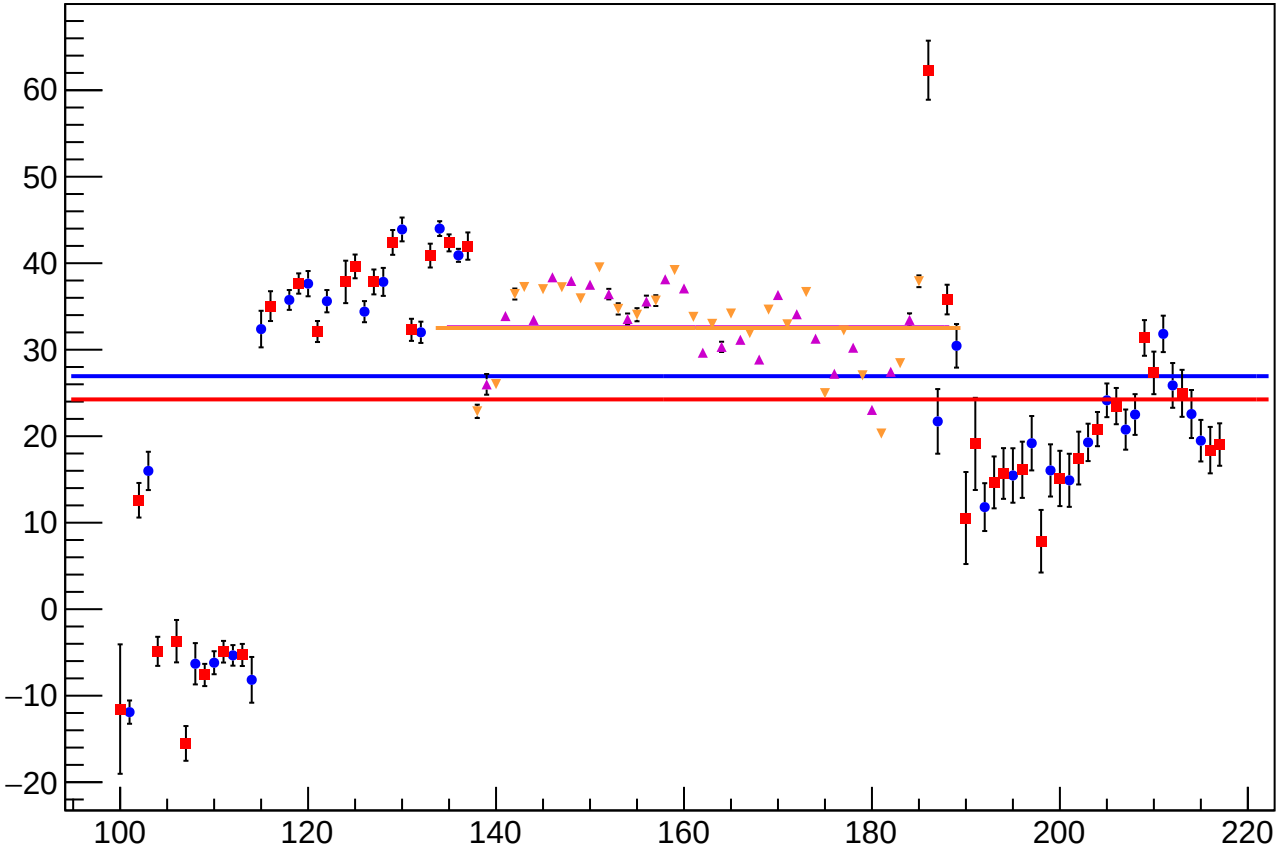
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -39.157+/-0.098 χ^2/NDF: 34254.0/55

All: -39.371+/-0.070 χ^2/NDF: 68590.2/114

- sign -39.592+/-0.100 χ^2/NDF: 34326.6/58

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.940+/-0.288 χ^2/NDF: 3865.7/30

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.253+/-0.297 χ^2/NDF: 4103.5/35

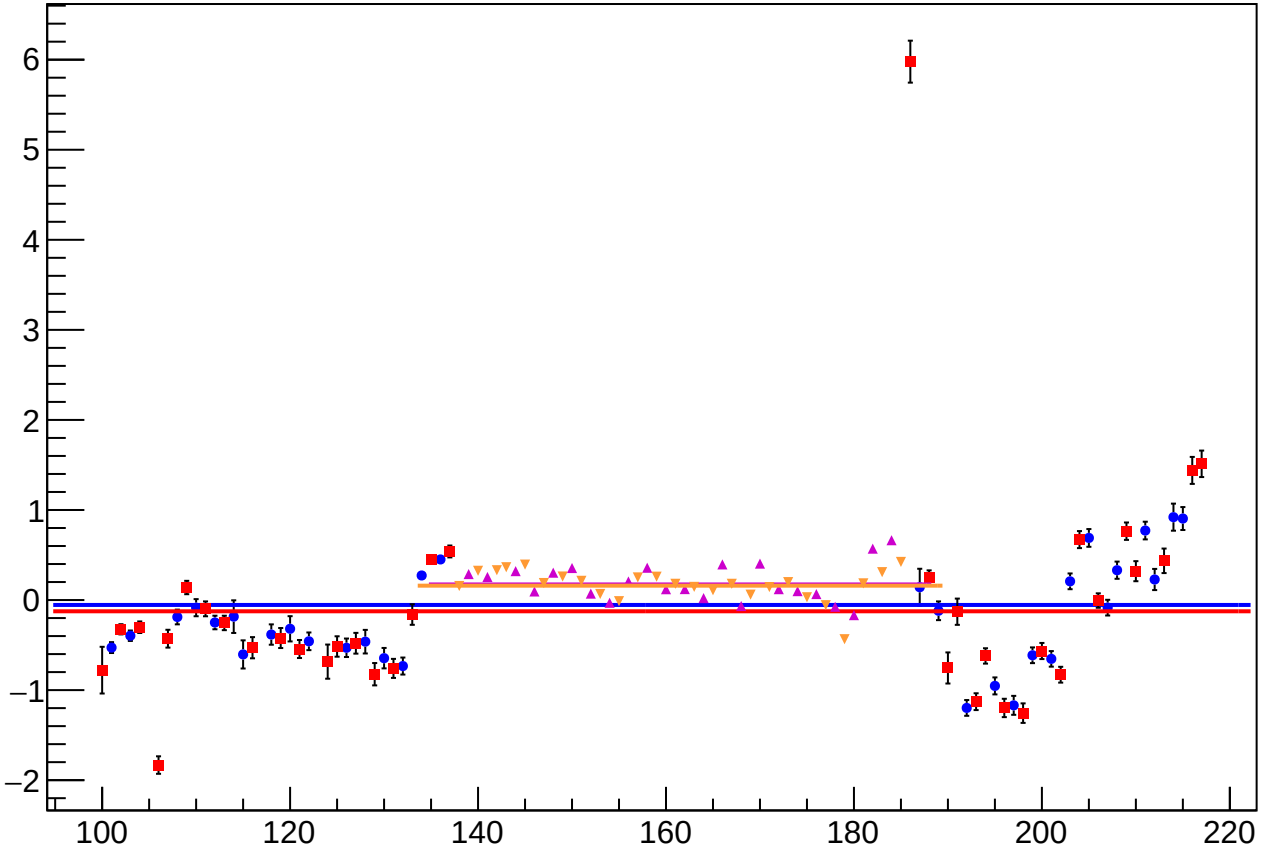
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 31.969+/-0.090 χ^2/NDF: 7141.8/55

All: 31.886+/-0.064 χ^2/NDF: 13971.8/114

- sign 31.800+/-0.092 χ^2/NDF: 6828.3/58

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.054+/-0.014 χ^2/NDF: 1315.9/30

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.125+/-0.015 χ^2/NDF: 2420.7/35

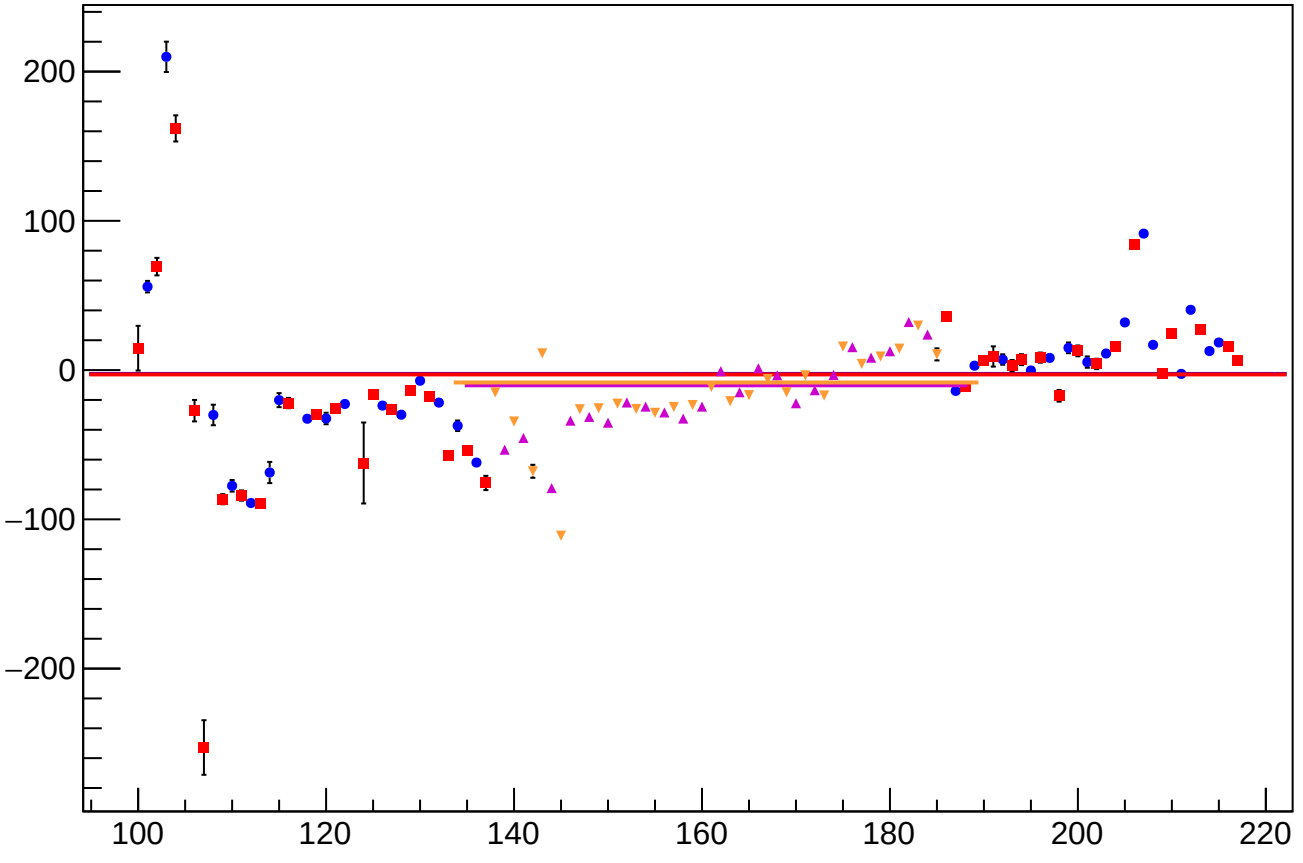
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.143+/-0.004 χ^2/NDF: 3131.6/55

All: 0.147+/-0.003 χ^2/NDF: 8041.7/114

- sign 0.151+/-0.004 χ^2/NDF: 4908.2/58

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -2.587+/-0.514 χ^2/NDF: 5040.7/30

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.892+/-0.477 χ^2/NDF: 5942.1/35

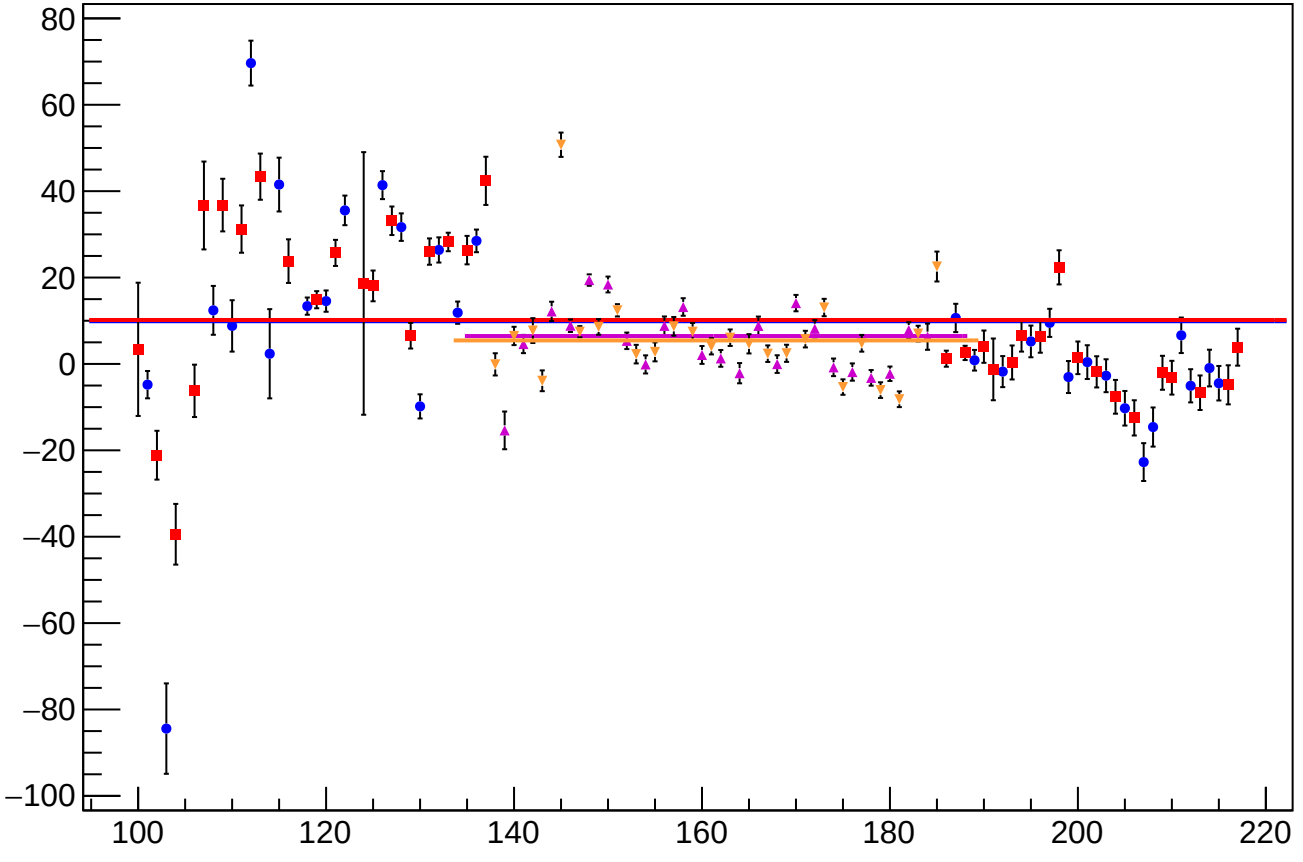
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

\+ sign -5.443+/-0.363 χ^2/NDF: 7662.1/55

All: -5.821+/-0.253 χ^2/NDF: 16230.2/114

\- sign -6.179+/-0.353 χ^2/NDF: 8566.0/58

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.889+/-0.619 χ^2/NDF: 799.1/30

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.178+/-0.586 χ^2/NDF: 604.6/35

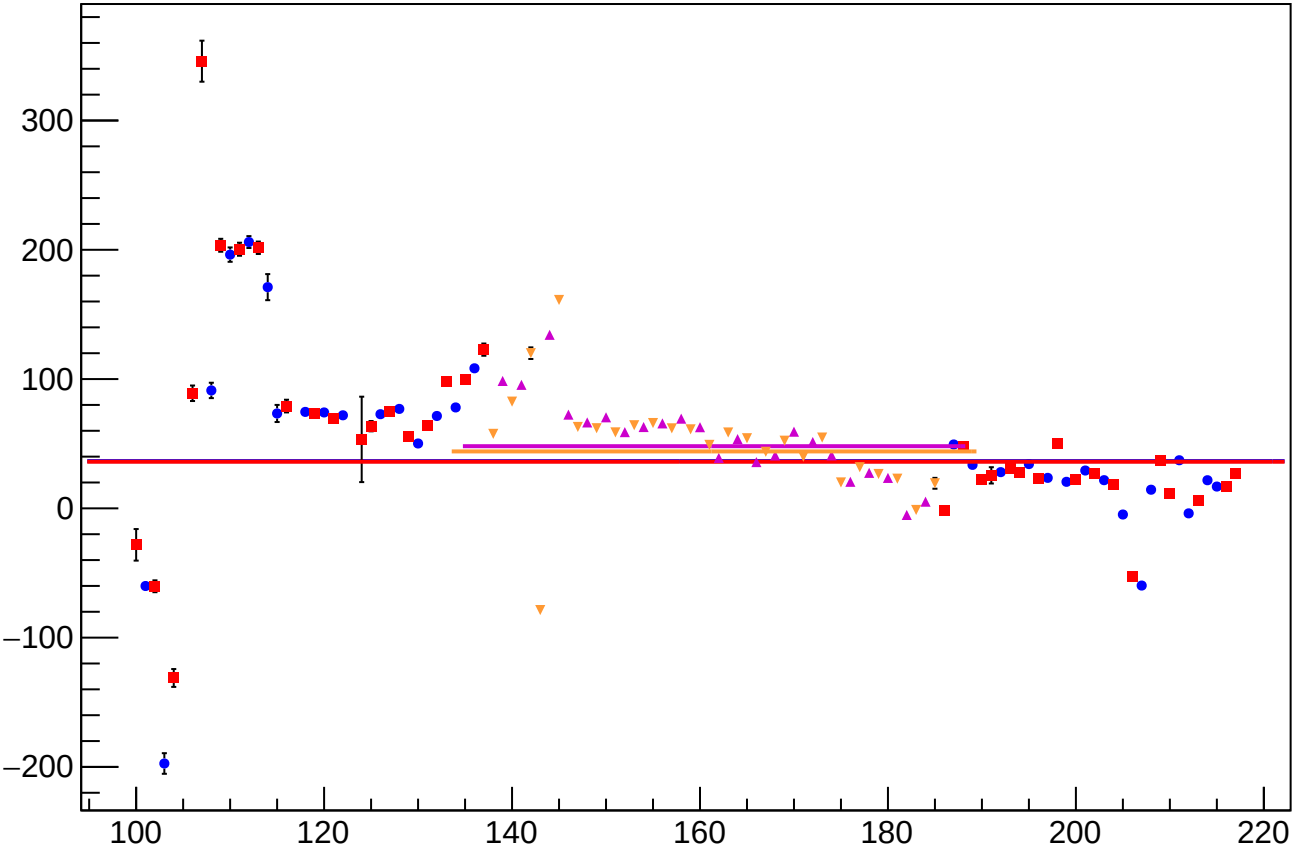
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

\+ sign 6.725+/-0.332 χ^2/NDF: 1329.5/55

All: 7.197+/-0.236 χ^2/NDF: 2301.2/114

\- sign 7.675+/-0.335 χ^2/NDF: 967.7/58

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 36.546+/-0.514 χ^2/NDF: 8348.0/30

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 36.078+/-0.460 χ^2/NDF: 9389.6/35

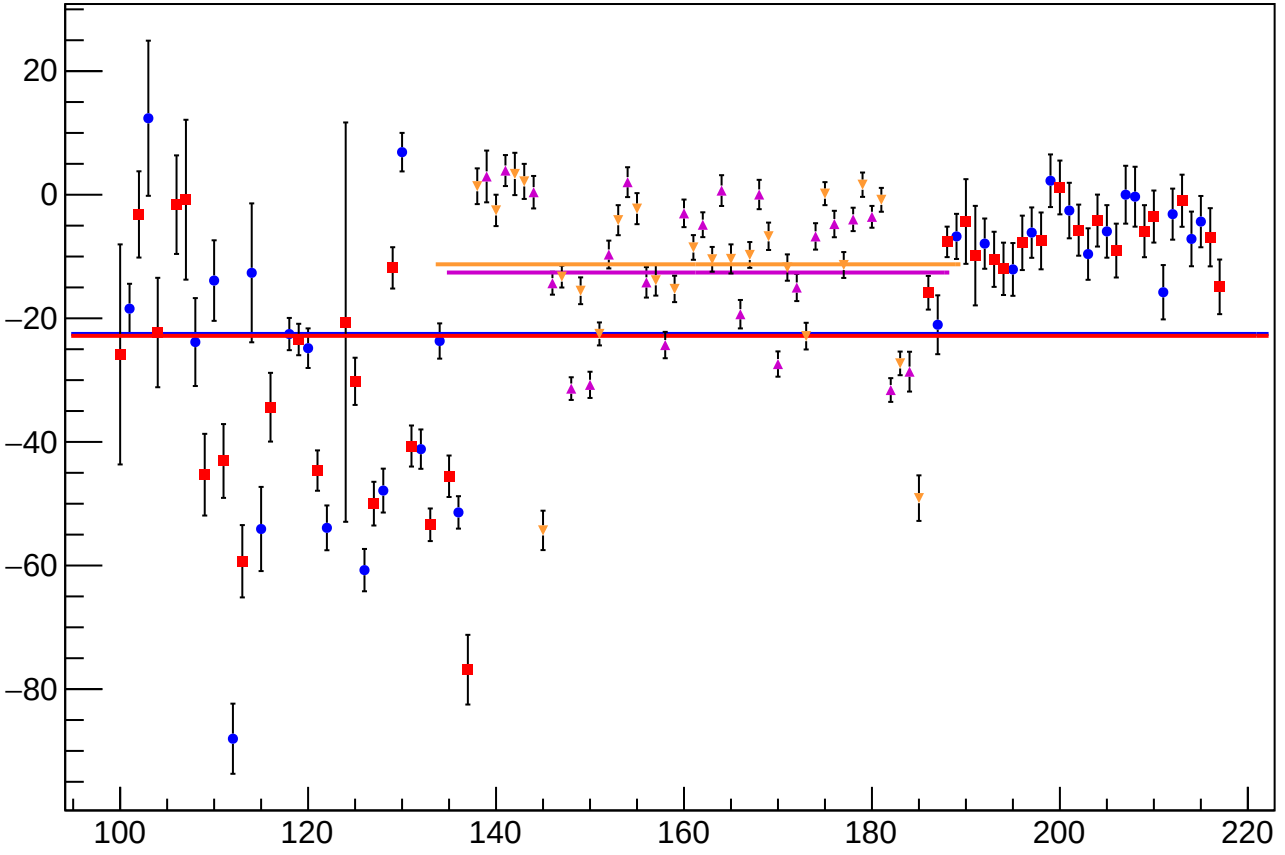
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 40.326+/-0.362 χ^2/NDF: 13018.9/55

All: 40.850+/-0.250 χ^2/NDF: 26087.1/114

- sign 41.326+/-0.345 χ^2/NDF: 13064.2/58

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -22.528+/-0.717 χ^2/NDF: 893.5/30

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.834+/-0.700 χ^2/NDF: 750.6/35

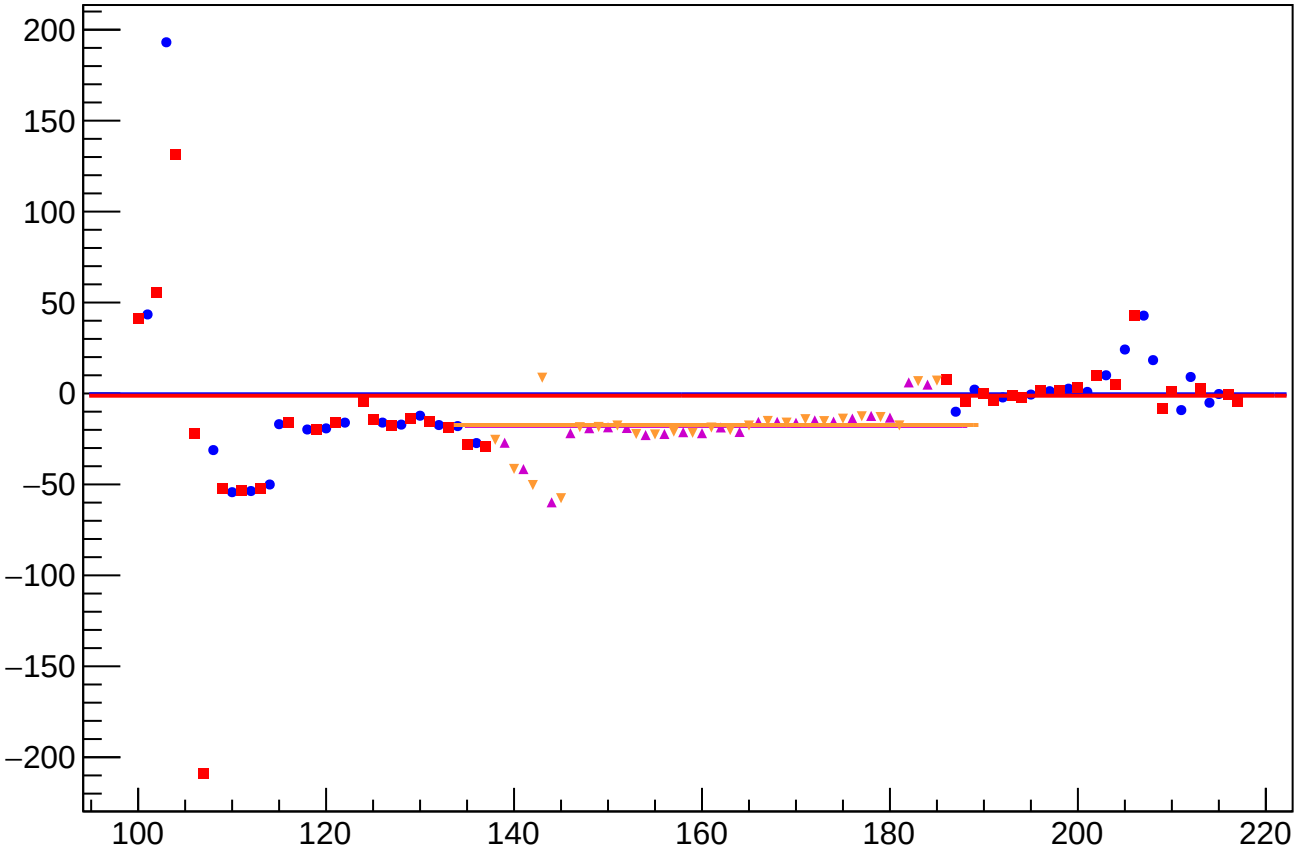
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.393+/-0.378 χ^2/NDF: 1715.2/55

All: -15.020+/-0.269 χ^2/NDF: 3293.0/114

- sign -15.666+/-0.384 χ^2/NDF: 1572.2/58

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.445+/-0.034 χ^2/NDF: 648065.0/30

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.216+/-0.033 χ^2/NDF: 571817.1/35

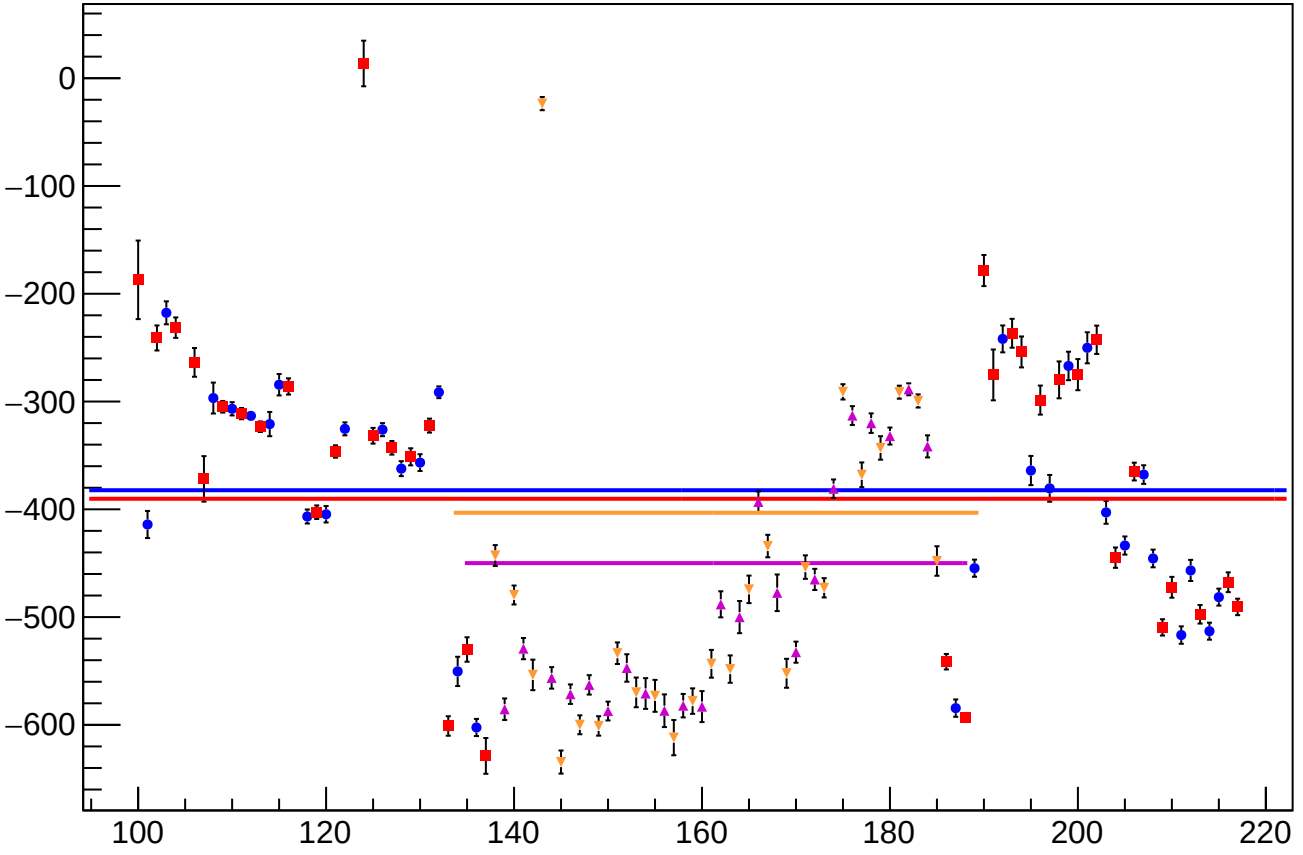
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -12.959+/-0.017 χ^2/NDF: 1181004.4/55

All: -13.121+/-0.012 χ^2/NDF: 2203823.6/114

- sign -13.284+/-0.017 χ^2/NDF: 1022641.3/58

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -382.290+/-1.459 χ^2/NDF: 4069.7/30

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -390.219+/-1.374 χ^2/NDF: 7177.2/35

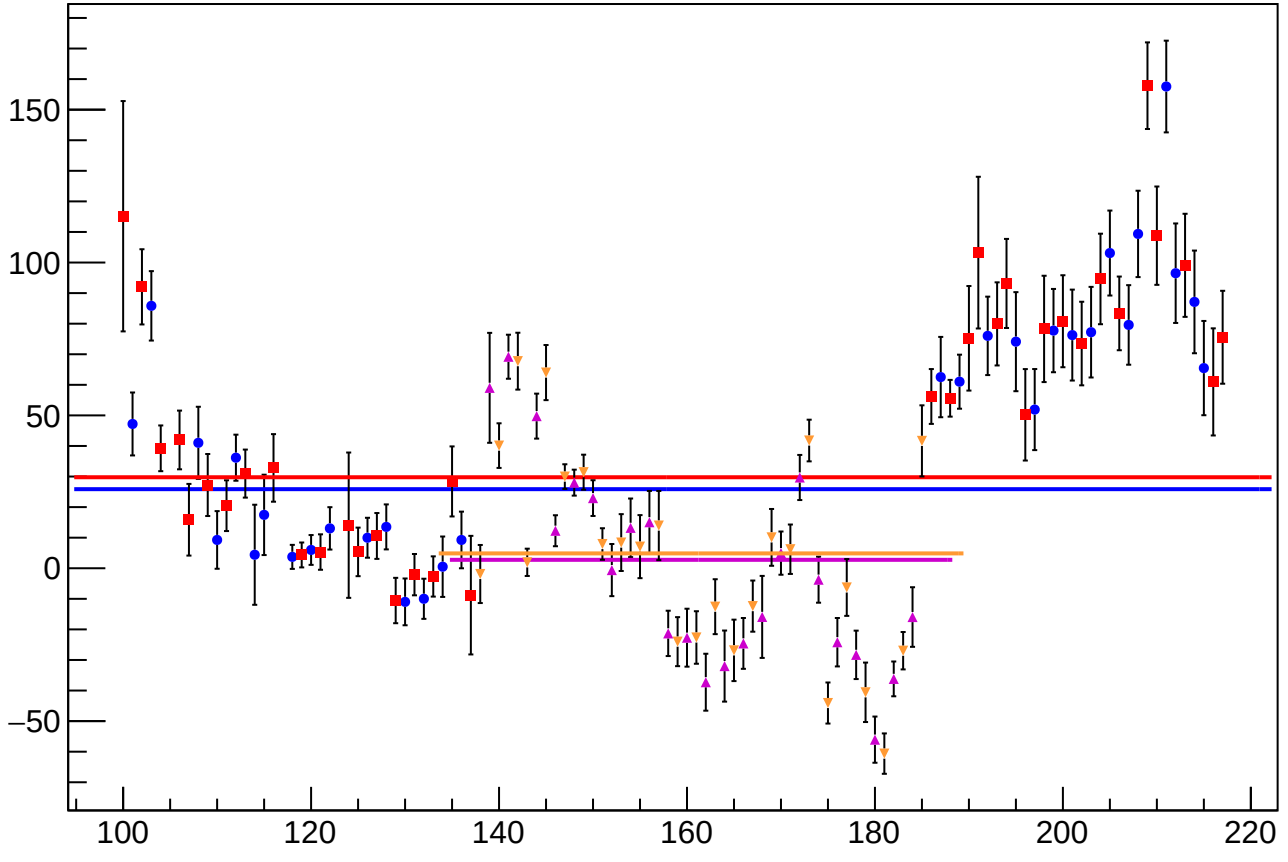
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -389.906+/-1.163 χ^2/NDF: 11894.7/55

All: -399.548+/-0.814 χ^2/NDF: 23013.2/114

- sign -408.807+/-1.140 χ^2/NDF: 10983.9/58

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 25.870+/-1.633 χ^2/NDF: 452.7/30

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 29.769+/-1.591 χ^2/NDF: 471.0/35

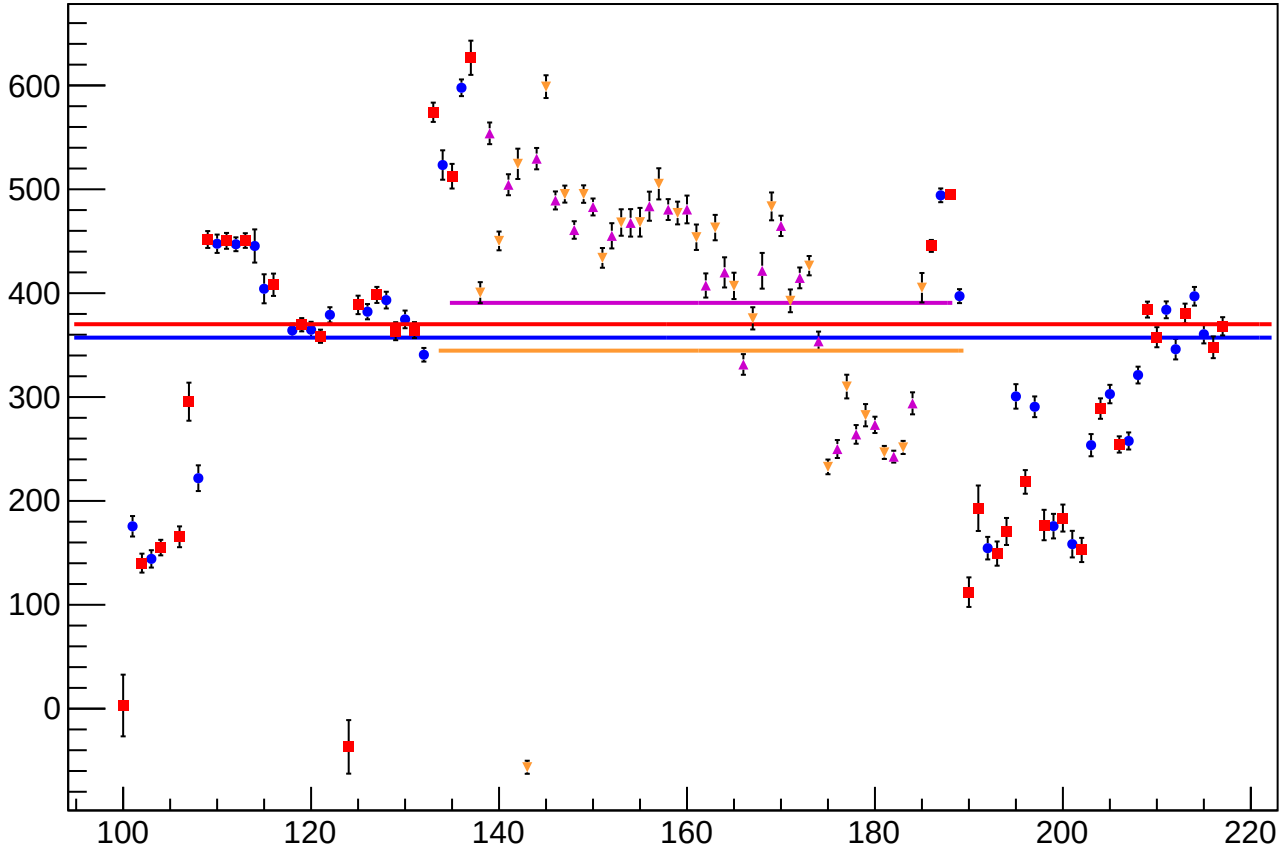
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 14.102+/-1.083 χ^2/NDF: 1002.6/55

All: 15.000+/-0.776 χ^2/NDF: 2022.2/114

- sign 15.948+/-1.112 χ^2/NDF: 1018.1/58

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 357.200+/-1.557 χ^2/NDF: 4210.0/30

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.118+/-1.435 χ^2/NDF: 7219.0/35

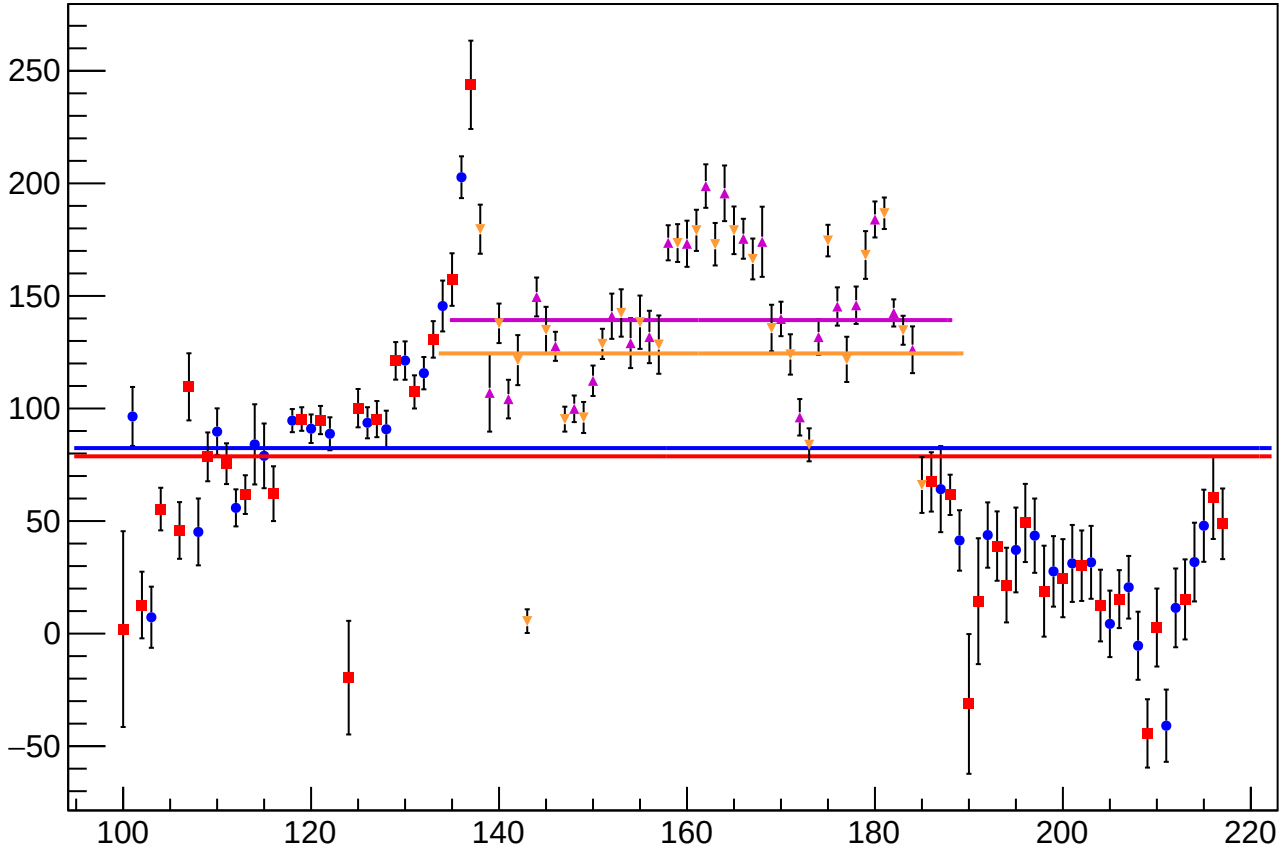
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 352.246+/-1.210 χ^2/NDF: 11513.8/55

All: 365.009+/-0.842 χ^2/NDF: 21689.4/114

- sign 376.969+/-1.172 χ^2/NDF: 9960.1/58

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 82.410+/-1.901 χ^2/NDF: 532.1/30

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.749+/-1.863 χ^2/NDF: 502.5/35

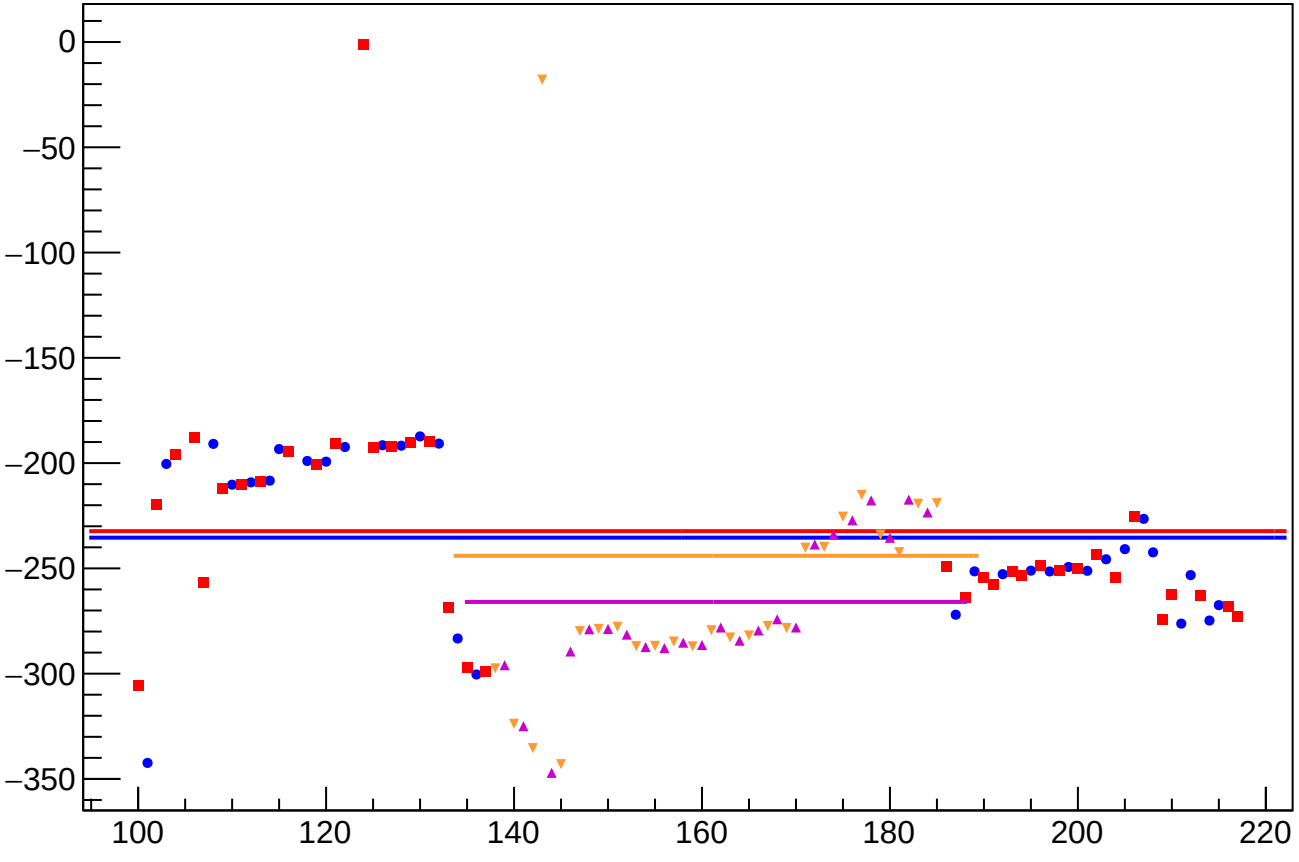
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 106.246+/-1.251 χ^2/NDF: 1747.2/55

All: 108.353+/-0.896 χ^2/NDF: 3071.3/114

- sign 110.568+/-1.283 χ^2/NDF: 1318.4/58

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -235.408+/-0.103 χ^2/NDF: 143136.3/30

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.315+/-0.099 χ^2/NDF: 121210.1/35

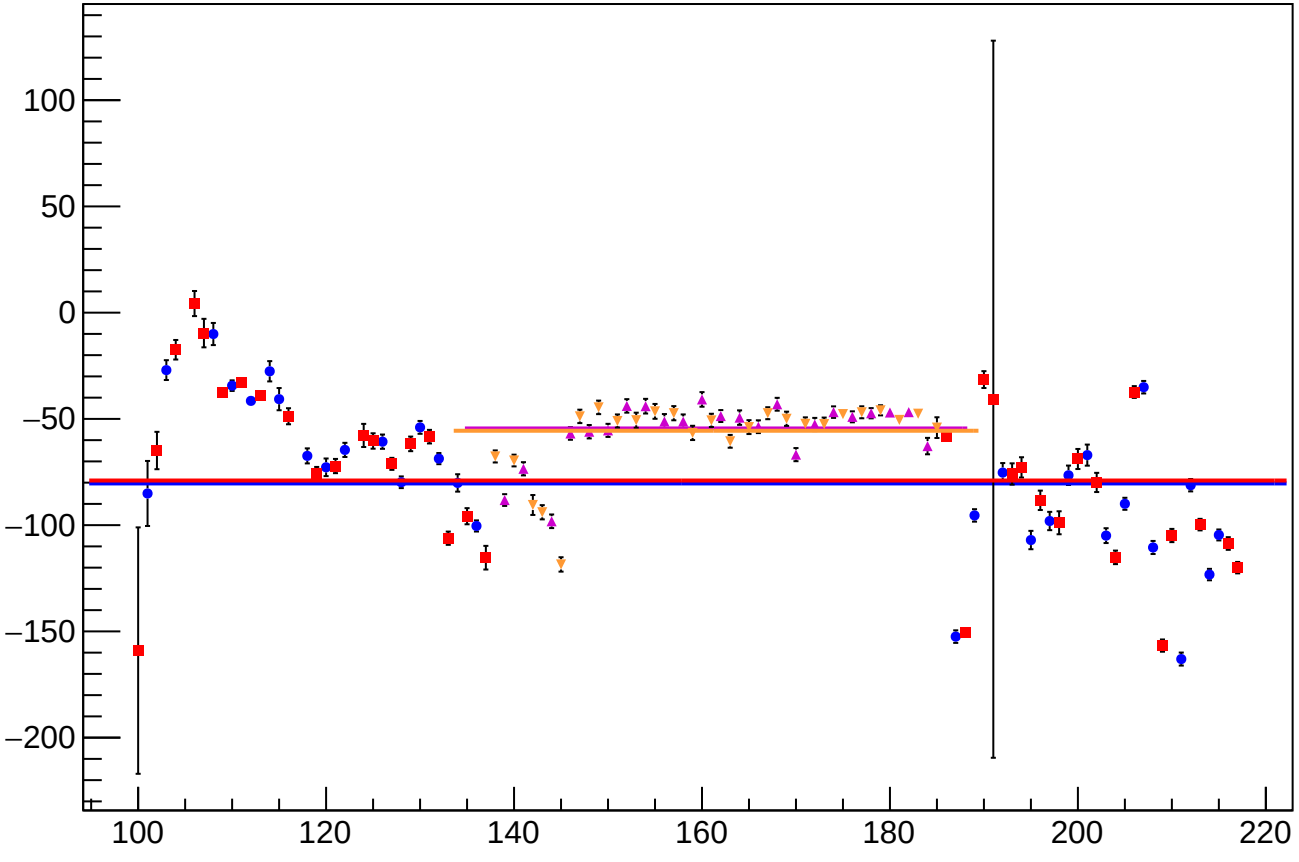
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.931+/-0.062 χ^2/NDF: 1145545.1/55

All: -246.719+/-0.044 χ^2/NDF: 1523467.5/11

- sign -252.625+/-0.063 χ^2/NDF: 360274.5/58

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -80.370+/-0.590 χ^2/NDF: 3538.1/30

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -78.993+/-0.541 χ^2/NDF: 5490.8/35

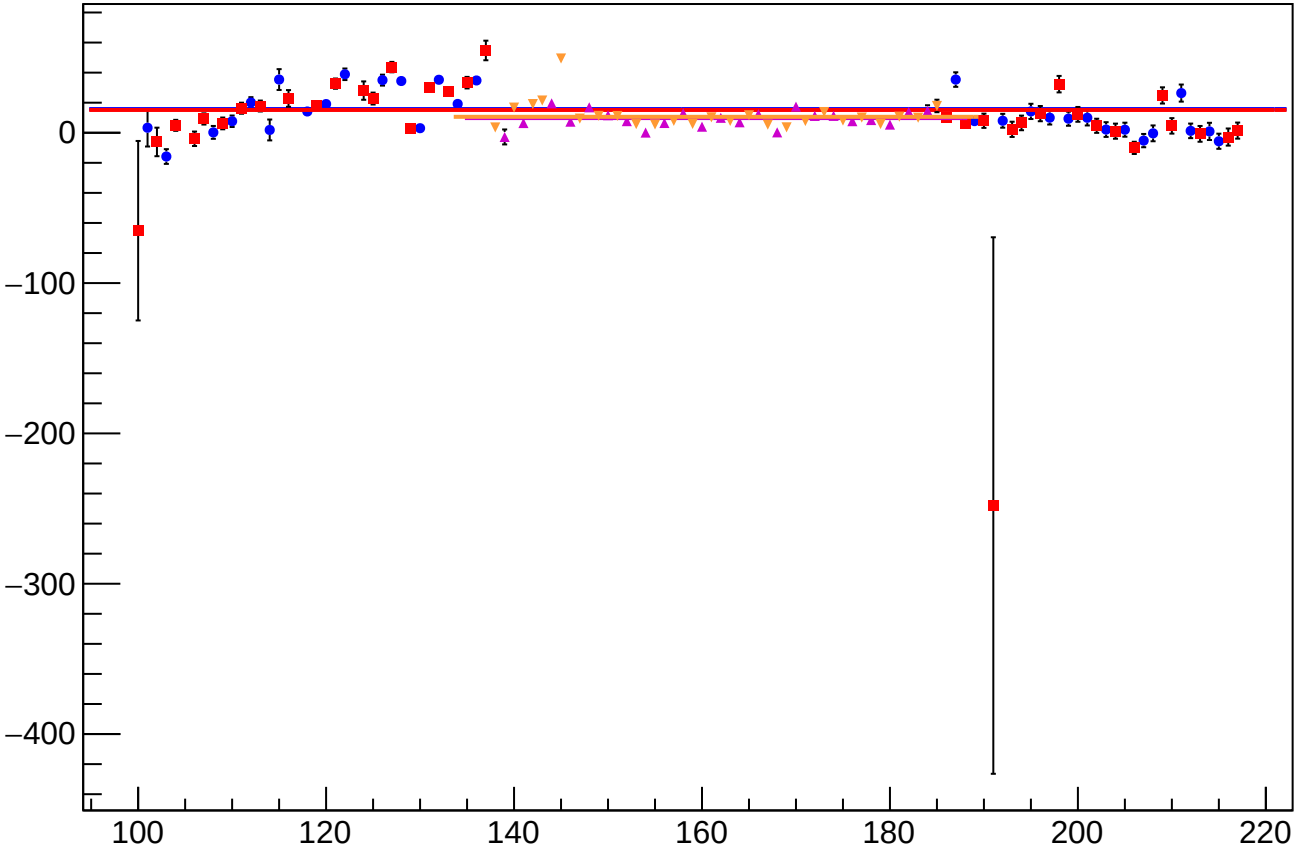
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -67.970+/-0.417 χ^2/NDF: 5107.3/55

All: -68.053+/-0.290 χ^2/NDF: 12007.1/114

- sign -68.131+/-0.404 χ^2/NDF: 6899.7/58

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.755+/-0.707 χ^2/NDF: 386.2/30

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.165+/-0.653 χ^2/NDF: 395.6/35

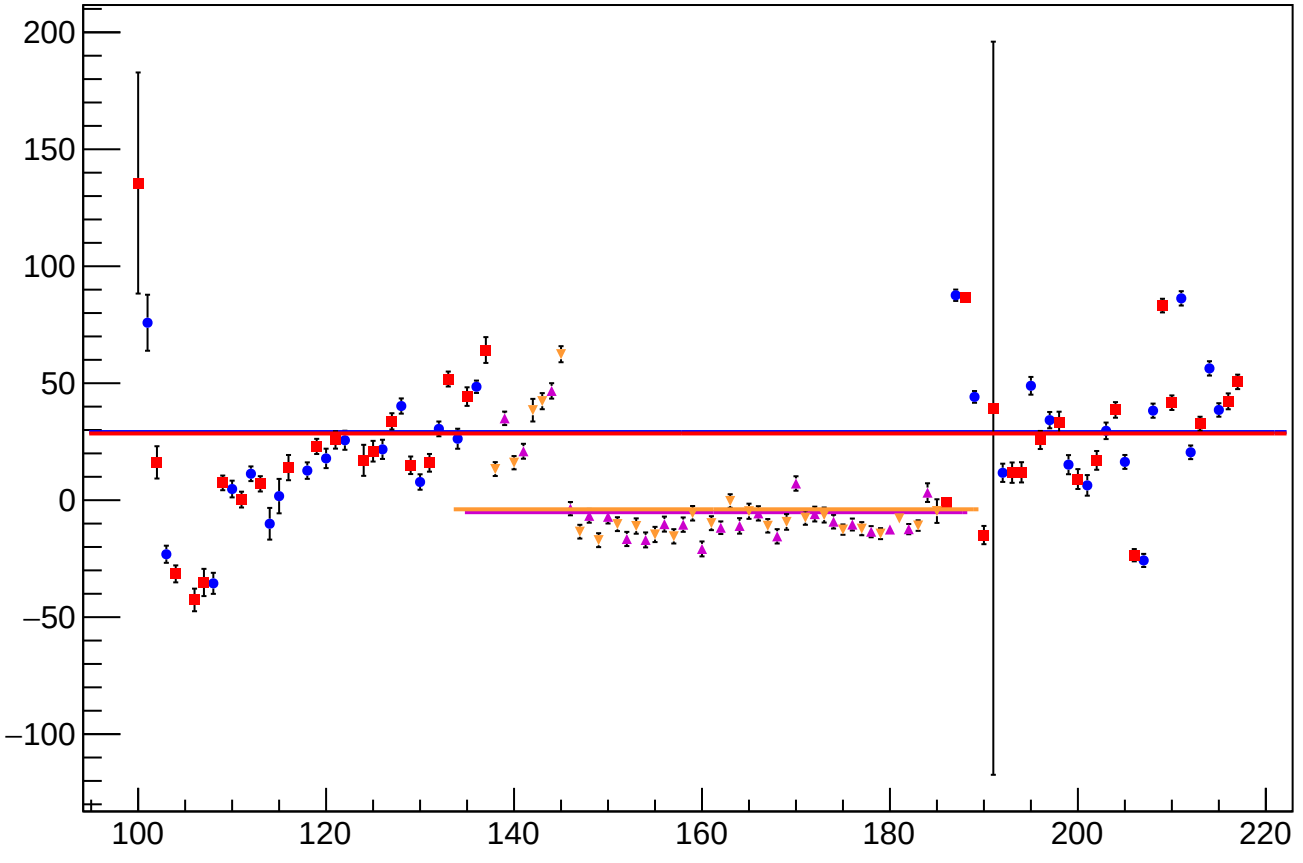
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 12.087+/-0.379 χ^2/NDF: 679.2/55

All: 11.839+/-0.268 χ^2/NDF: 1241.9/114

\- sign 11.590+/-0.380 χ^2/NDF: 561.8/58

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 29.126+/-0.617 χ^2/NDF: 2251.5/30

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.521+/-0.549 χ^2/NDF: 4152.3/35

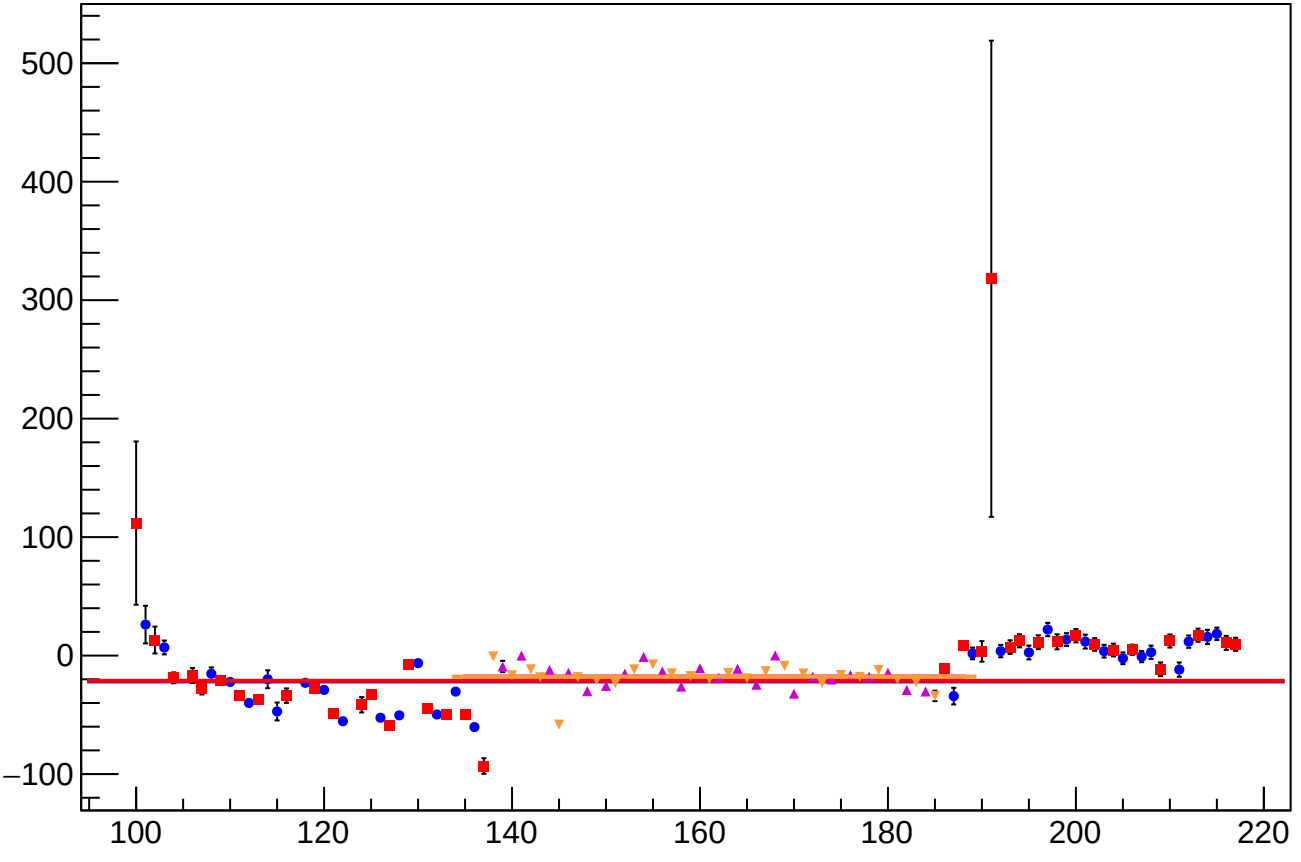
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 11.748+/-0.424 χ^2/NDF: 4610.8/55

All: 12.497+/-0.293 χ^2/NDF: 11131.5/114

\- sign 13.178+/-0.405 χ^2/NDF: 6514.8/58

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -21.790+/-0.810 χ^2/NDF: 945.1/30

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -21.298+/-0.772 χ^2/NDF: 1057.8/35

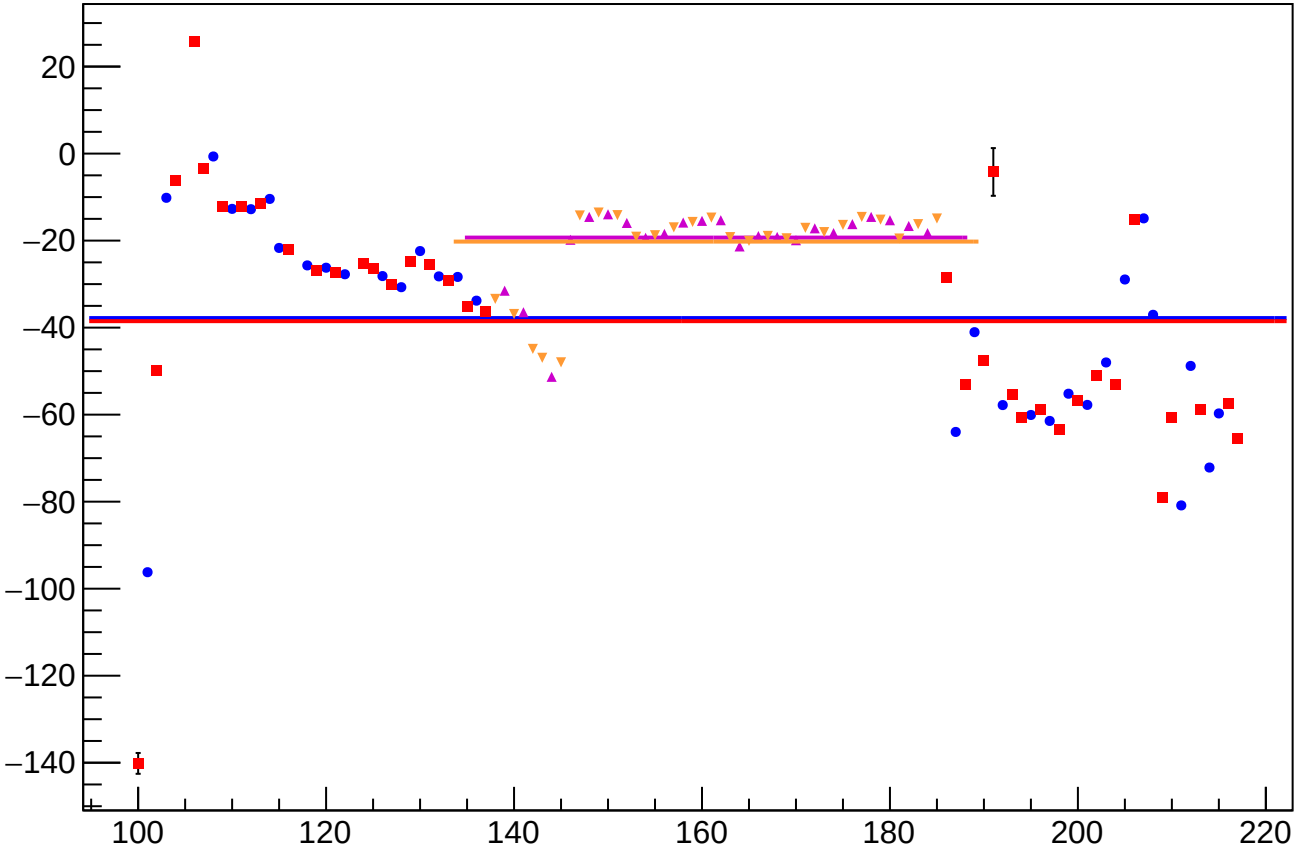
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -18.911+/-0.431 χ^2/NDF: 1214.2/55

All: -18.857+/-0.306 χ^2/NDF: 2573.2/114

- sign -18.802+/-0.435 χ^2/NDF: 1359.0/58

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.806+/-0.039 χ^2/NDF: 258599.8/30

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.512+/-0.039 χ^2/NDF: 341342.1/35

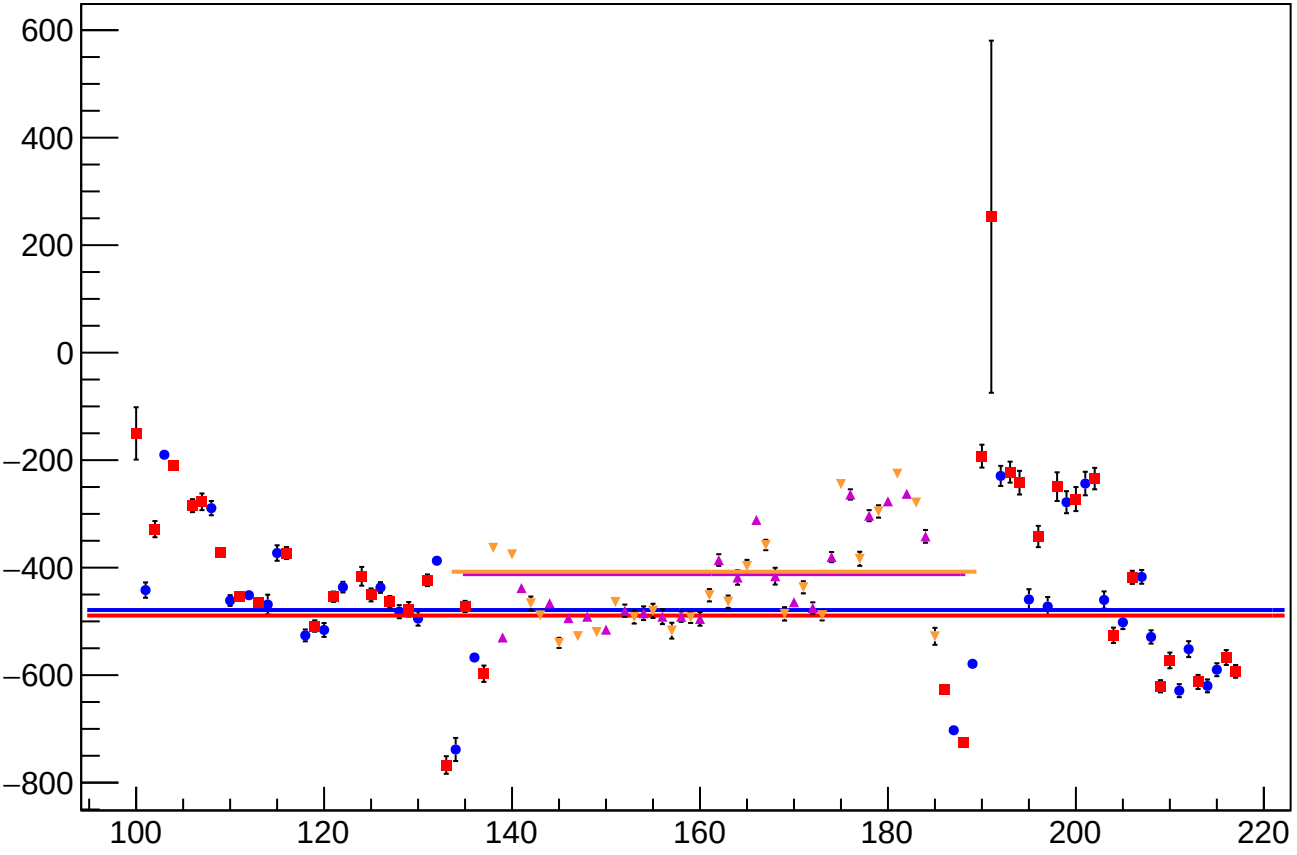
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -24.677+/-0.020 χ^2/NDF: 555682.0/55

All: -24.554+/-0.014 χ^2/NDF: 1171787.2/114

- sign -24.429+/-0.020 χ^2/NDF: 616027.2/58

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -478.858+/-2.116 χ^2/NDF: 3306.3/30

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -489.118+/-1.912 χ^2/NDF: 6520.8/35

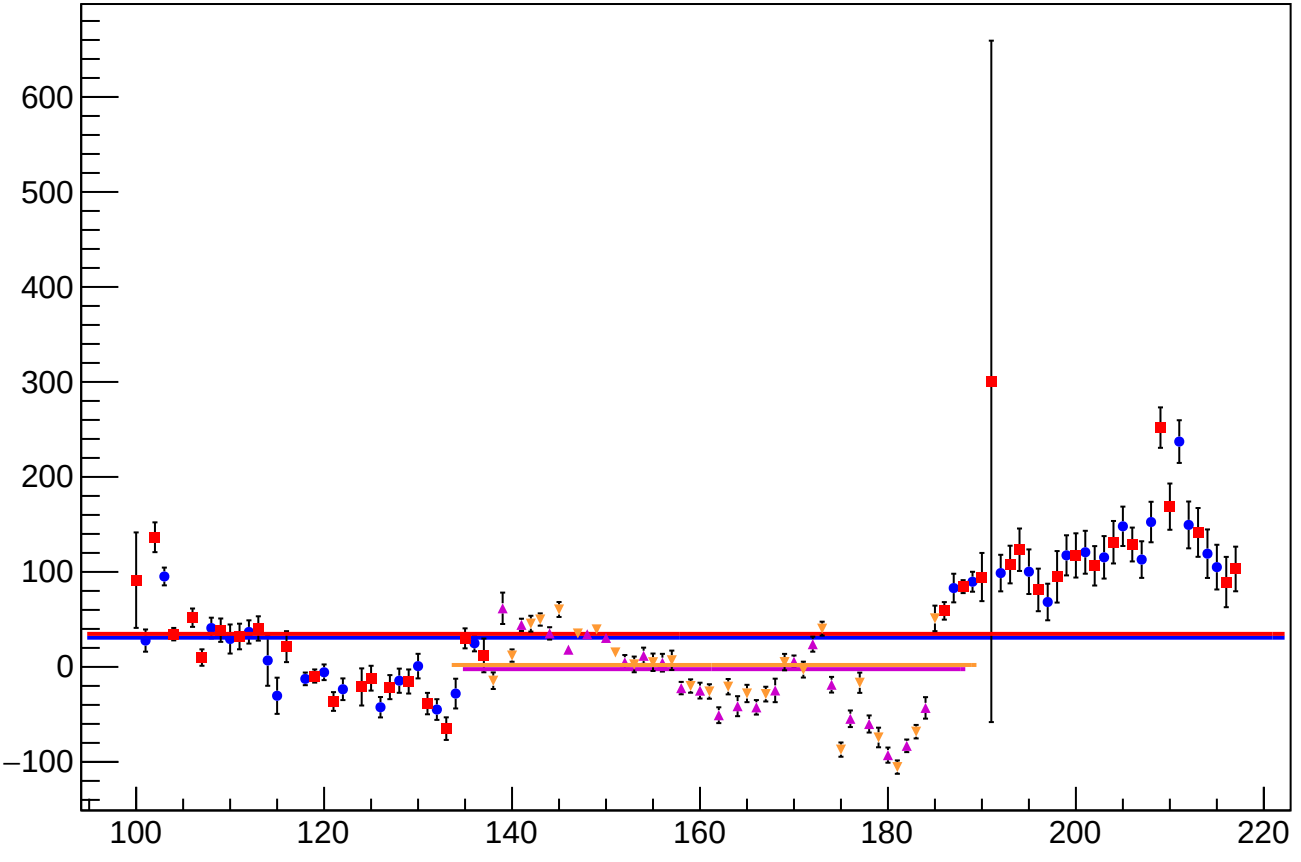
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -440.317+/-1.434 χ^2/NDF: 6792.7/55

All: -446.622+/-0.996 χ^2/NDF: 16304.5/114

- sign -452.500+/-1.385 χ^2/NDF: 9474.5/58

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 30.773+/-2.387 χ^2/NDF: 599.7/30

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 34.778+/-2.163 χ^2/NDF: 659.7/35

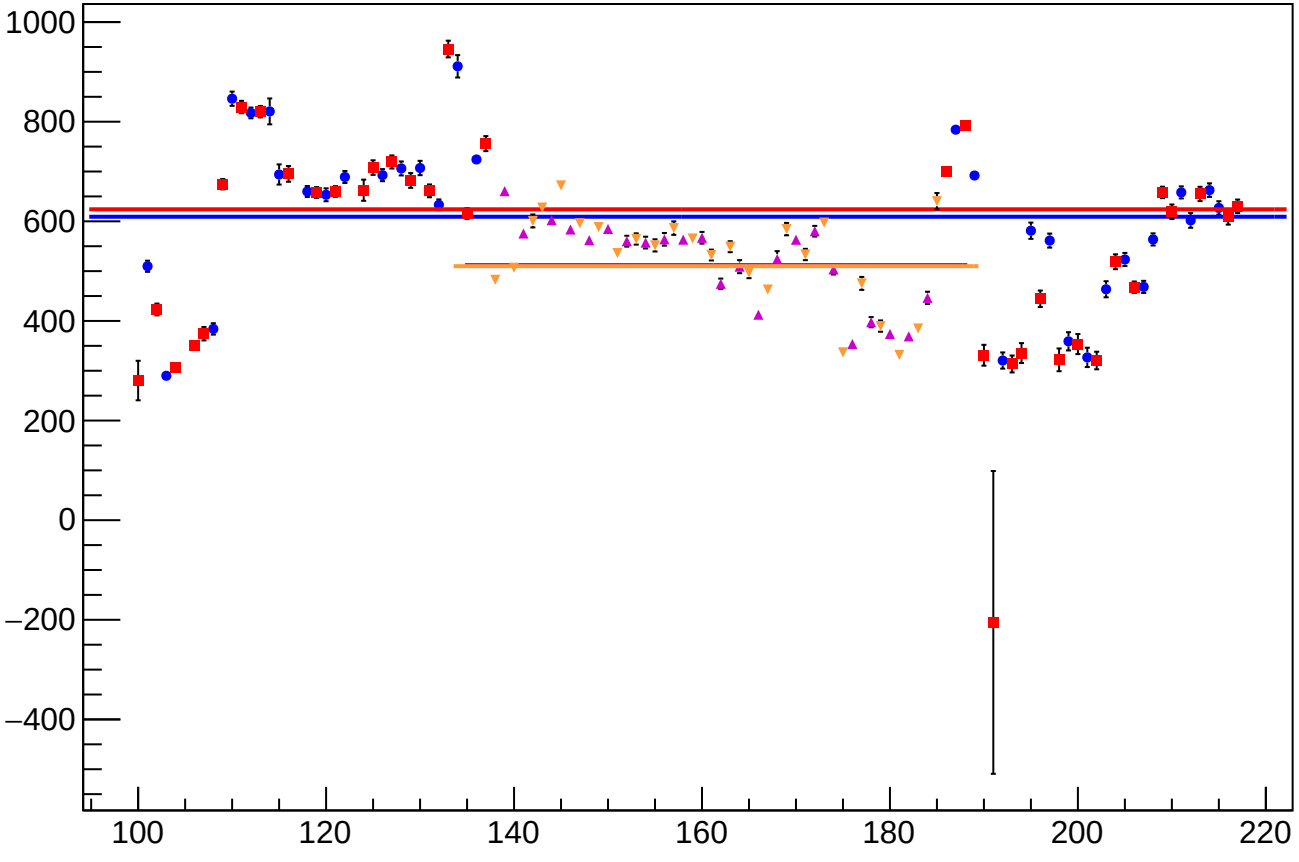
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 9.592+/-1.224 χ^2/NDF: 1617.2/55

All: 9.548+/-0.865 χ^2/NDF: 3210.9/114

- sign 9.504+/-1.223 χ^2/NDF: 1593.6/58

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 609.214+/-2.148 χ^2/NDF: 5562.5/30

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 624.158+/-1.885 χ^2/NDF: 8821.4/35

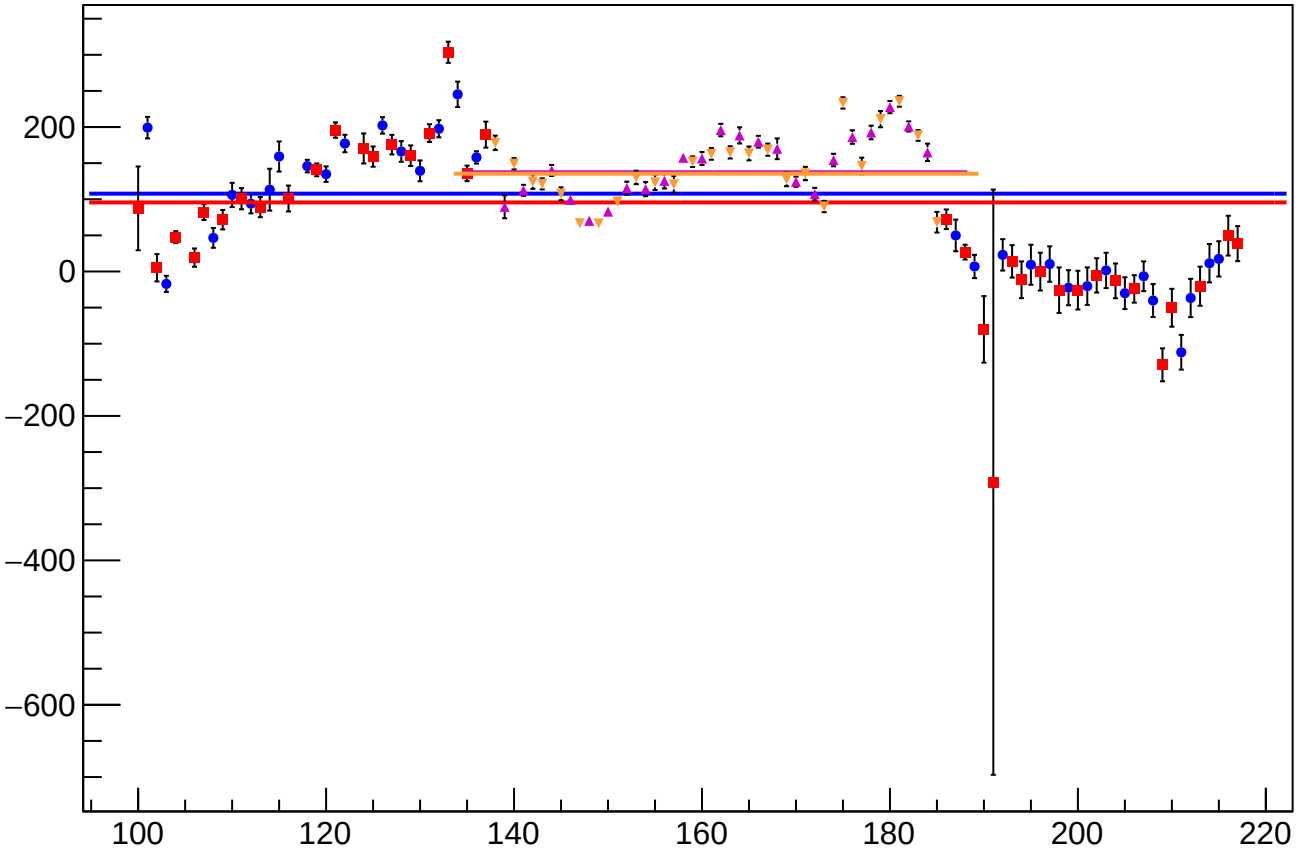
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 554.406+/-1.438 χ^2/NDF: 9404.3/55

All: 563.159+/-0.991 χ^2/NDF: 22055.4/114

\- sign 571.065+/-1.367 χ^2/NDF: 12580.6/58

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 107.760+/-2.783 χ^2/NDF: 905.2/30

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.615+/-2.587 χ^2/NDF: 979.6/35

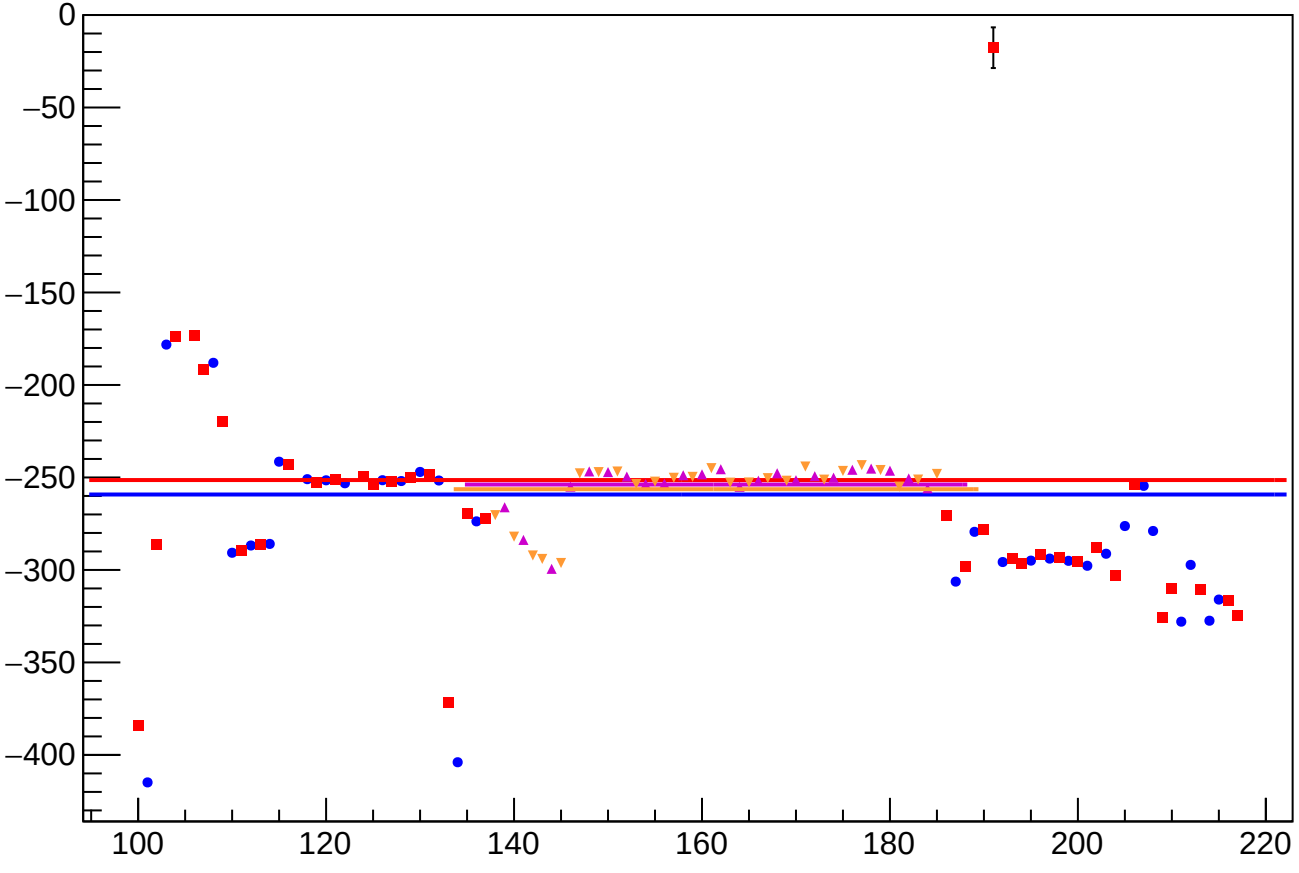
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 128.224+/-1.419 χ^2/NDF: 1901.4/55

All: 126.493+/-1.004 χ^2/NDF: 3771.8/114

- sign 124.754+/-1.422 χ^2/NDF: 1867.4/58

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -259.216+/-0.133 χ^2/NDF: 207789.2/30

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.402+/-0.128 χ^2/NDF: 162663.4/35

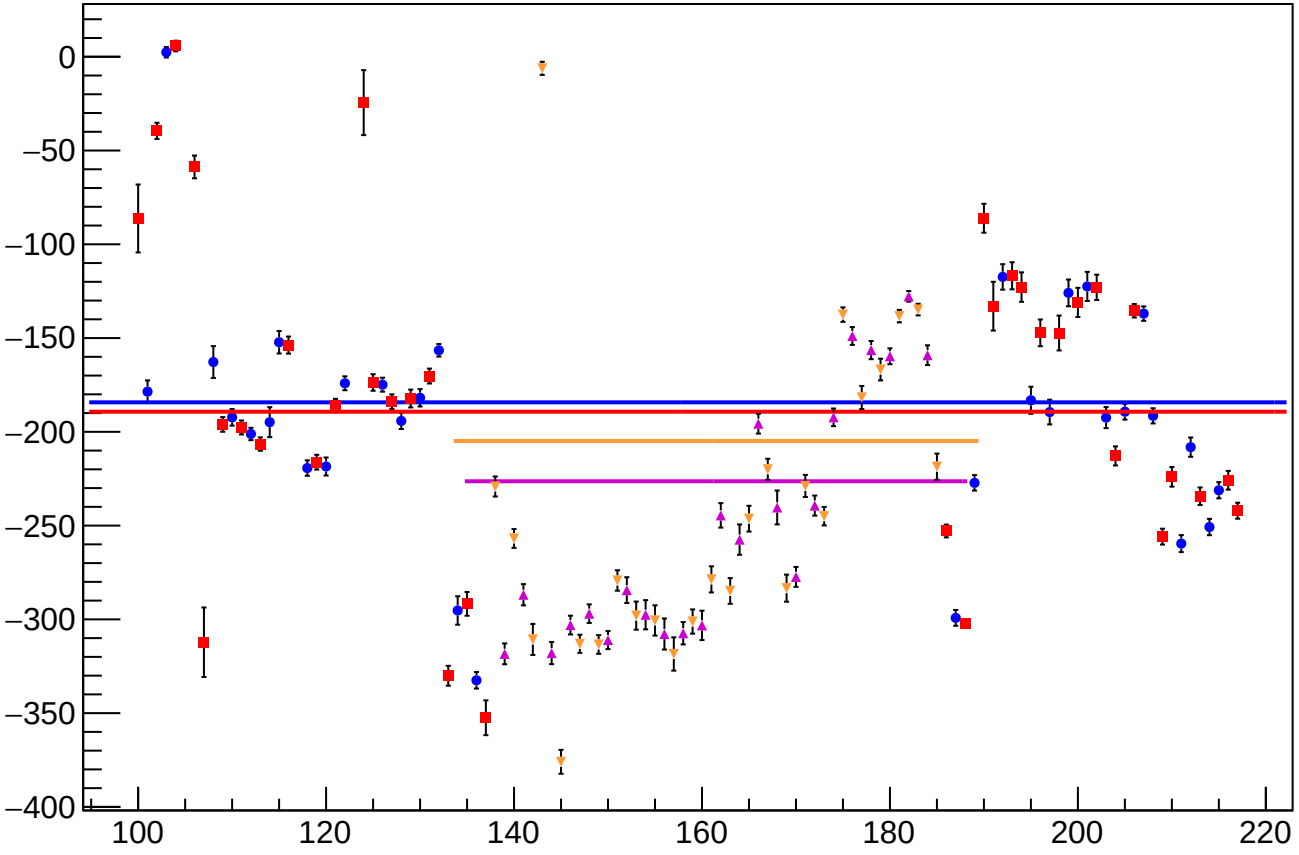
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -257.065+/-0.067 χ^2/NDF: 247651.9/55

All: -255.110+/-0.047 χ^2/NDF: 436370.7/114

- sign -253.164+/-0.066 χ^2/NDF: 187000.6/58

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -184.268+/-0.820 χ^2/NDF: 8011.5/30

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.269+/-0.772 χ^2/NDF: 12243.3/35

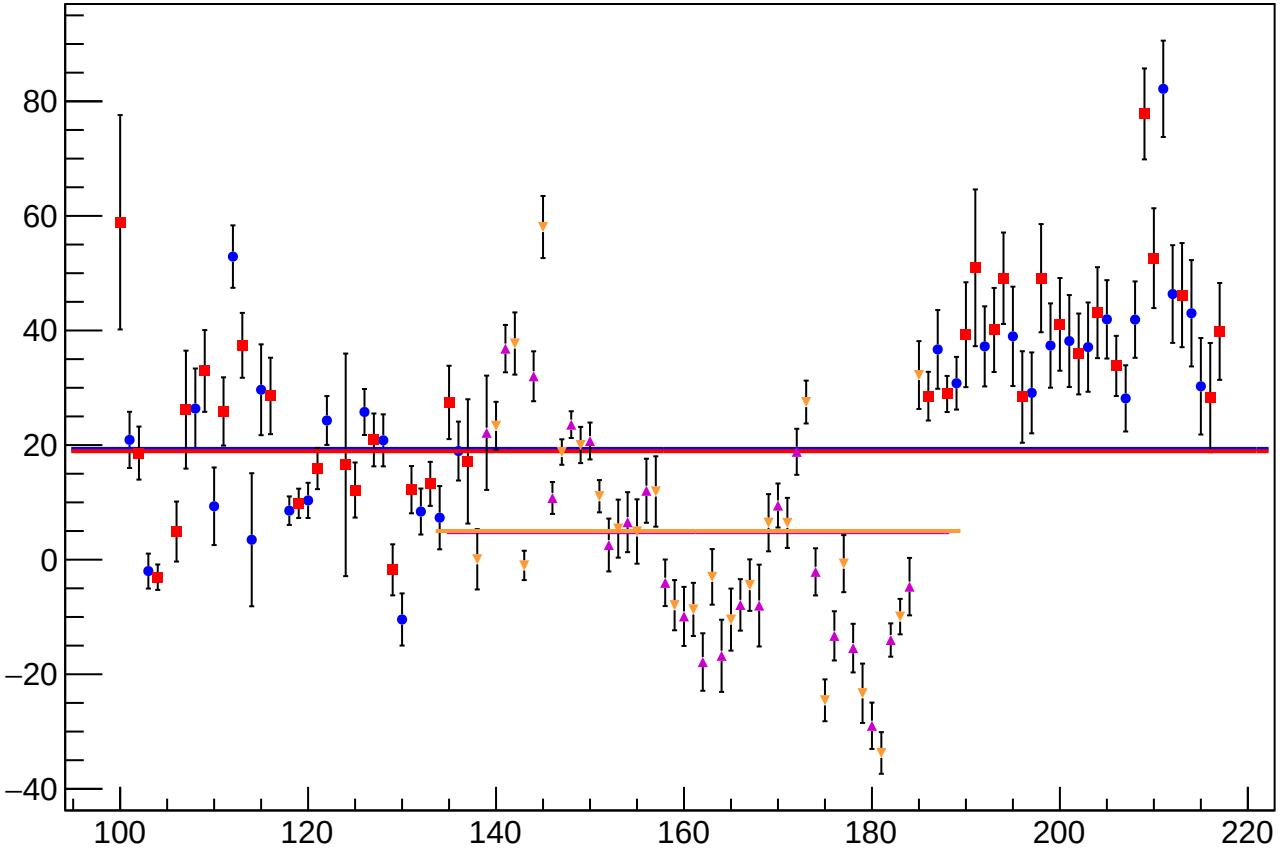
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -192.059+/-0.647 χ^2/NDF: 16076.9/55

All: -196.850+/-0.452 χ^2/NDF: 33404.0/114

- sign -201.440+/-0.633 χ^2/NDF: 17219.6/58

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.329+/-0.927 χ^2/NDF: 321.8/30

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.933+/-0.870 χ^2/NDF: 348.8/35

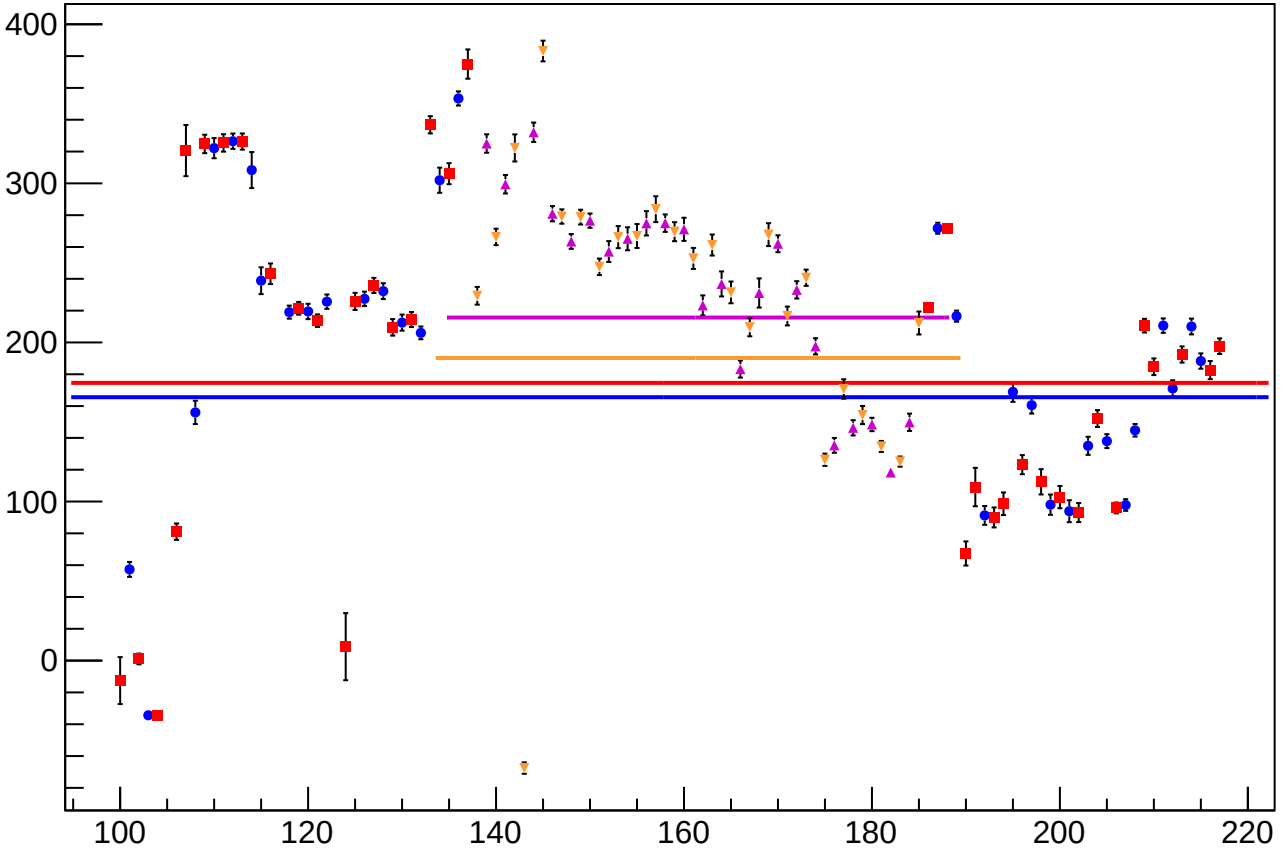
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 11.060+/-0.603 χ^2/NDF: 1008.1/55

All: 11.363+/-0.428 χ^2/NDF: 1919.3/114

- sign 11.670+/-0.607 χ^2/NDF: 910.6/58

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 165.579+/-0.827 χ^2/NDF: 16142.9/30

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.573+/-0.759 χ^2/NDF: 21489.3/35

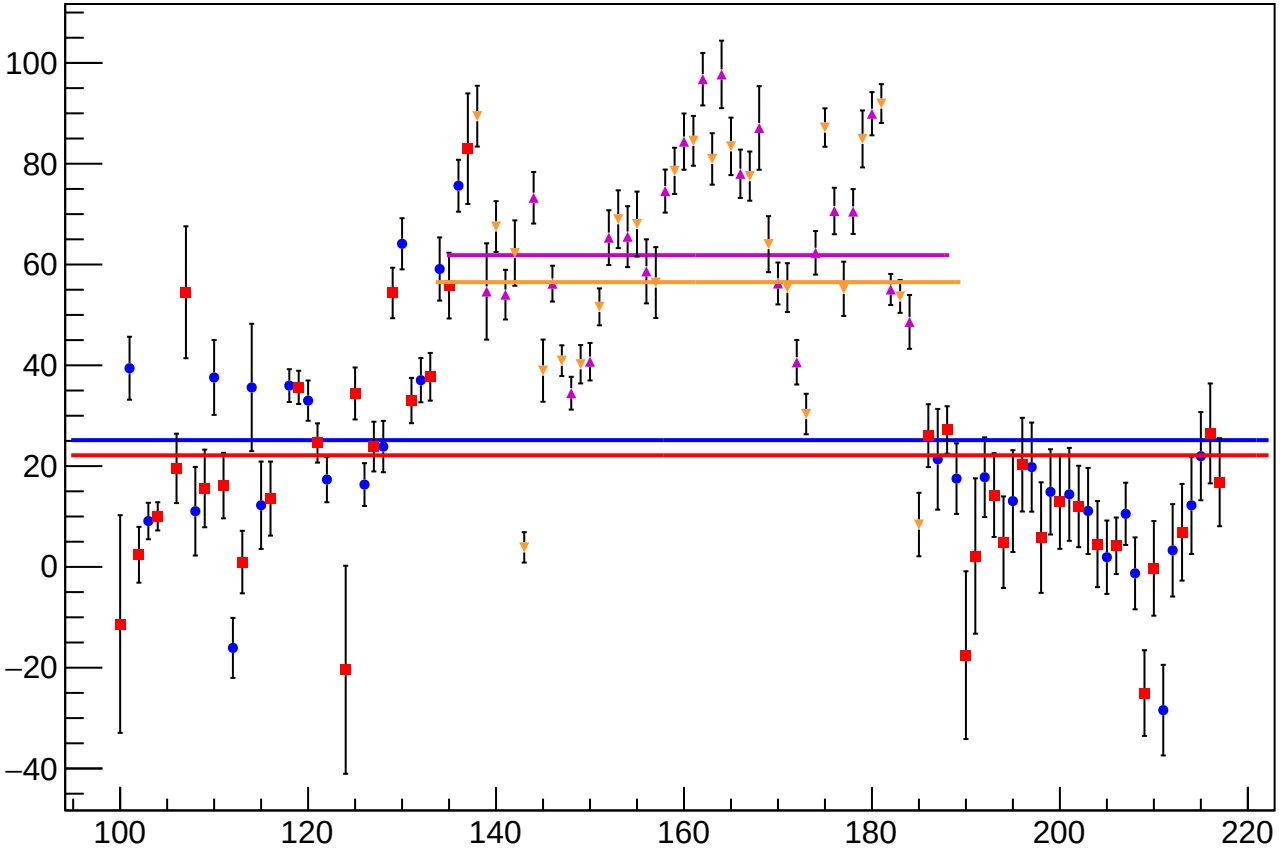
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 175.006+/-0.649 χ^2/NDF: 25866.8/55

All: 181.681+/-0.450 χ^2/NDF: 52392.0/114

- sign 187.854+/-0.624 χ^2/NDF: 26321.8/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.153+/-1.080 χ^2/NDF: 377.3/30

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.146+/-1.033 χ^2/NDF: 269.7/35

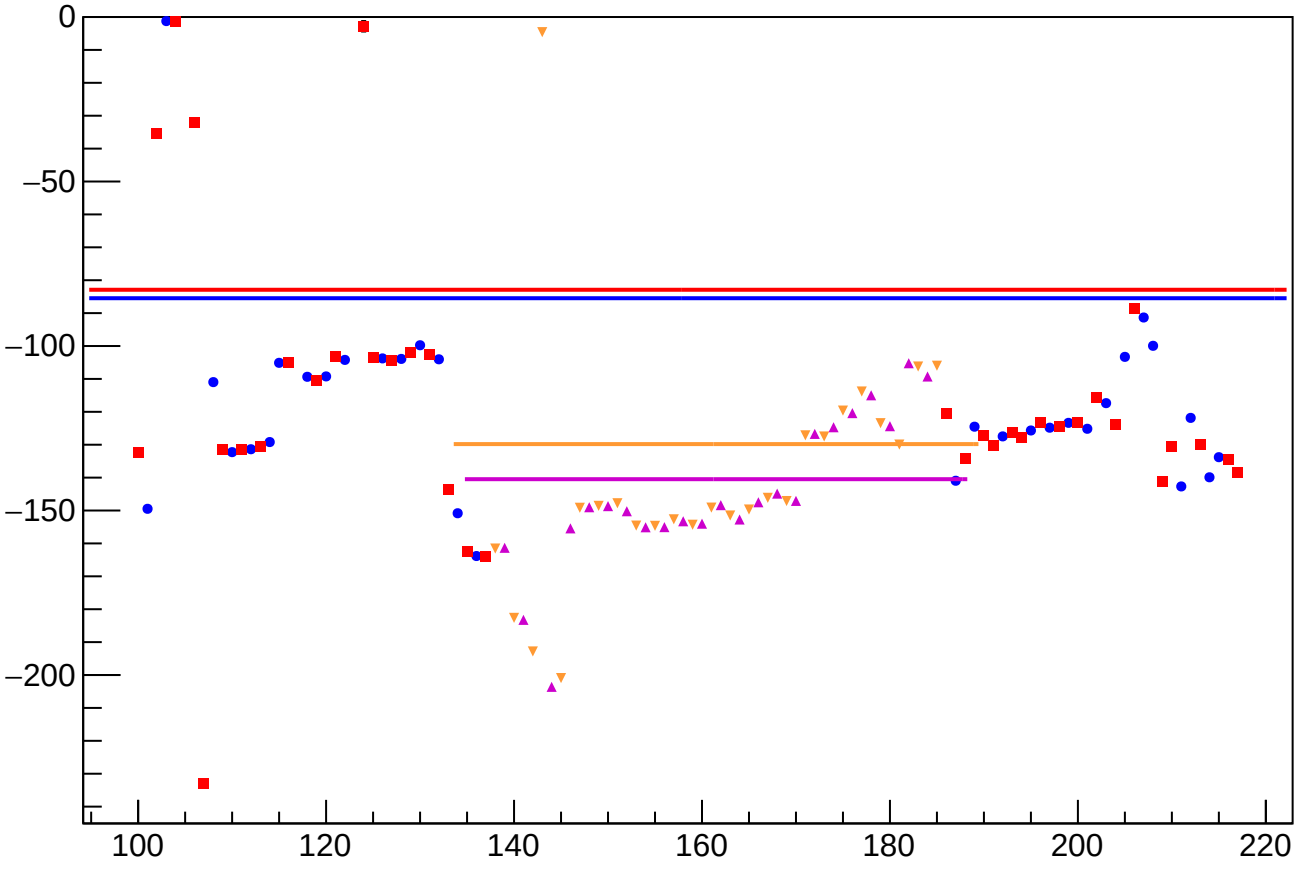
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 43.517+/-0.696 χ^2/NDF: 1669.5/55

All: 43.473+/-0.495 χ^2/NDF: 3051.2/114

- sign 43.429+/-0.704 χ^2/NDF: 1381.7/58

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -85.472+/-0.050 χ^2/NDF: 1350917.7/30

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -82.900+/-0.048 χ^2/NDF: 1323288.7/35

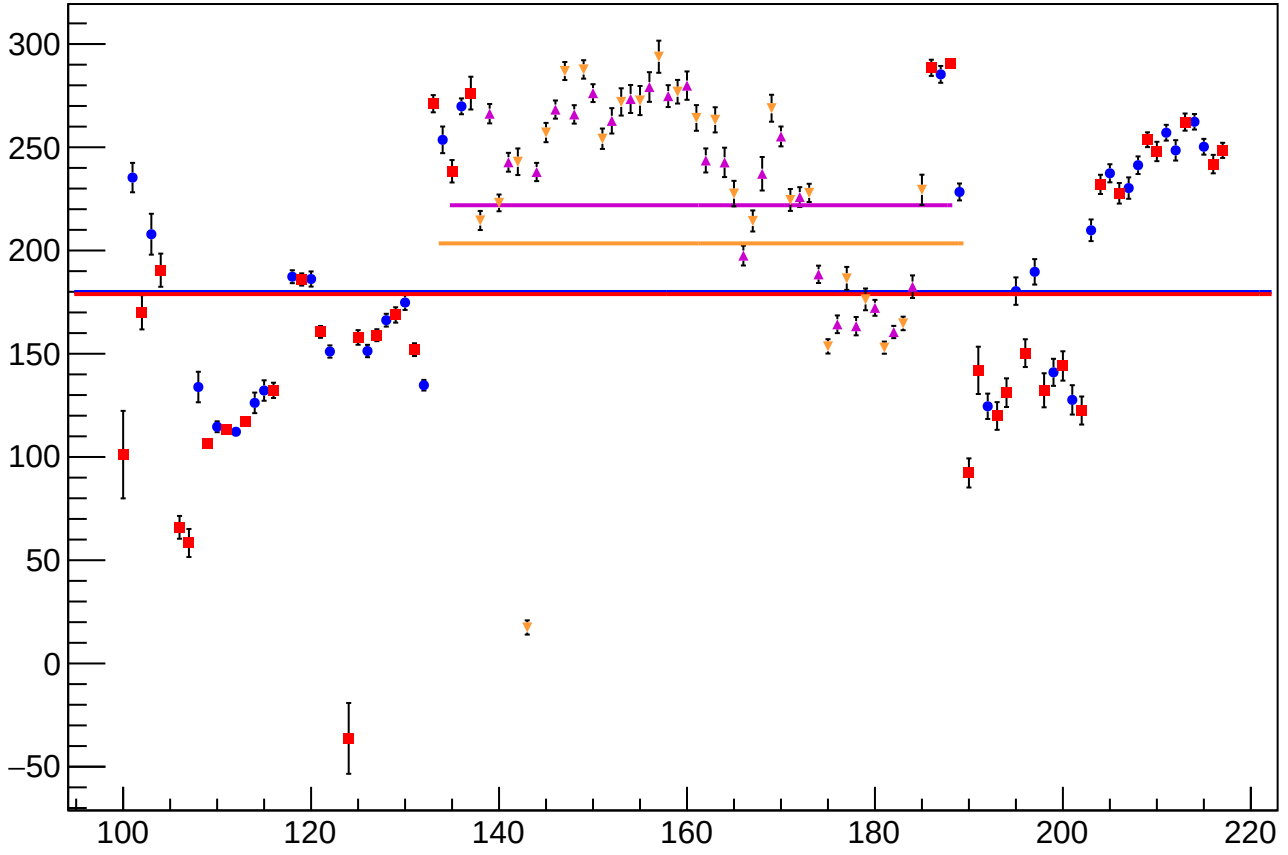
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.396+/-0.032 χ^2/NDF: 2835314.8/55

All: -113.021+/-0.023 χ^2/NDF: 5197738.1/11

- sign -114.666+/-0.032 χ^2/NDF: 2357310.4/58

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 179.897+/-0.709 χ^2/NDF: 6069.6/30

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 178.886+/-0.662 χ^2/NDF: 10303.7/35

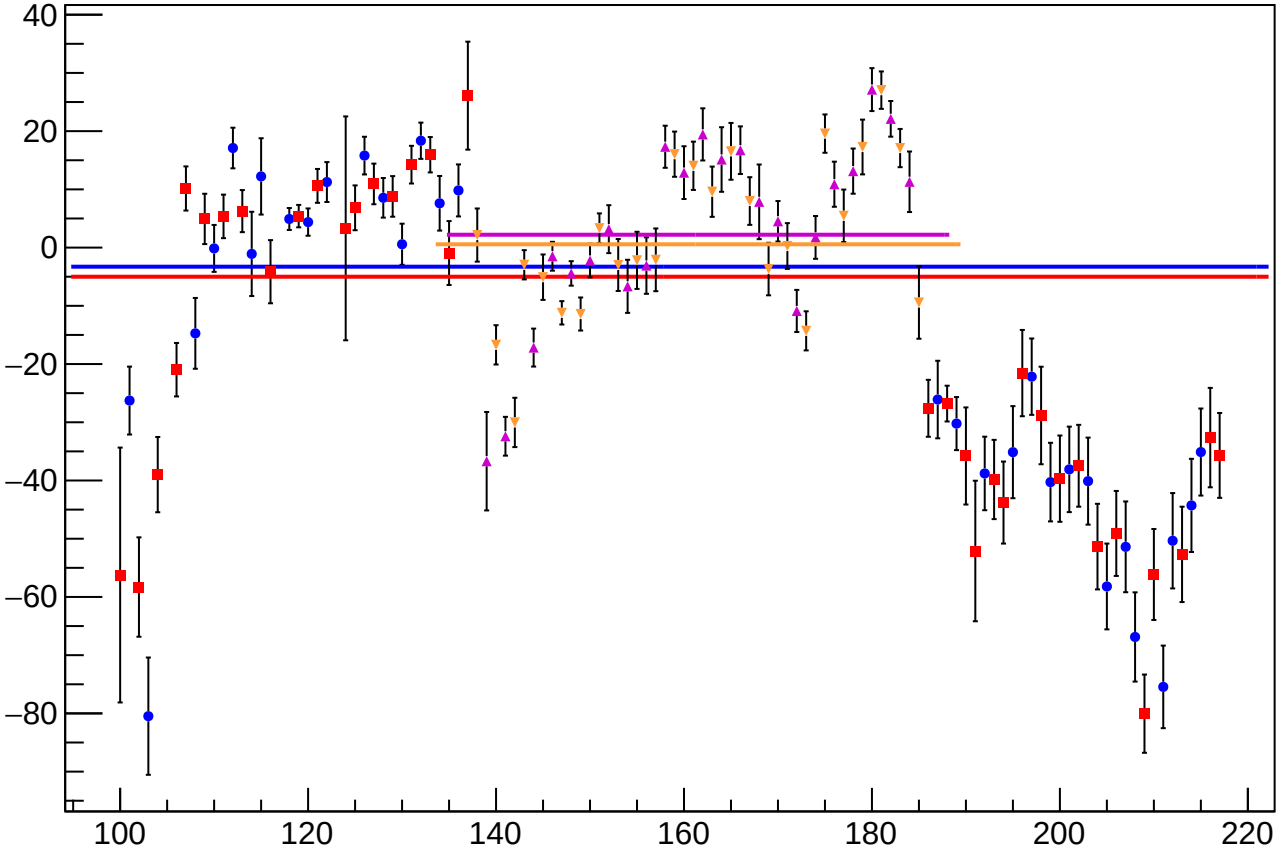
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 188.284+/-0.569 χ^2/NDF: 11954.6/55

All: 190.169+/-0.396 χ^2/NDF: 25548.9/114

- sign 191.949+/-0.553 χ^2/NDF: 13573.0/58

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -3.279+/-0.797 χ^2/NDF: 799.4/30

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.001+/-0.774 χ^2/NDF: 841.2/35

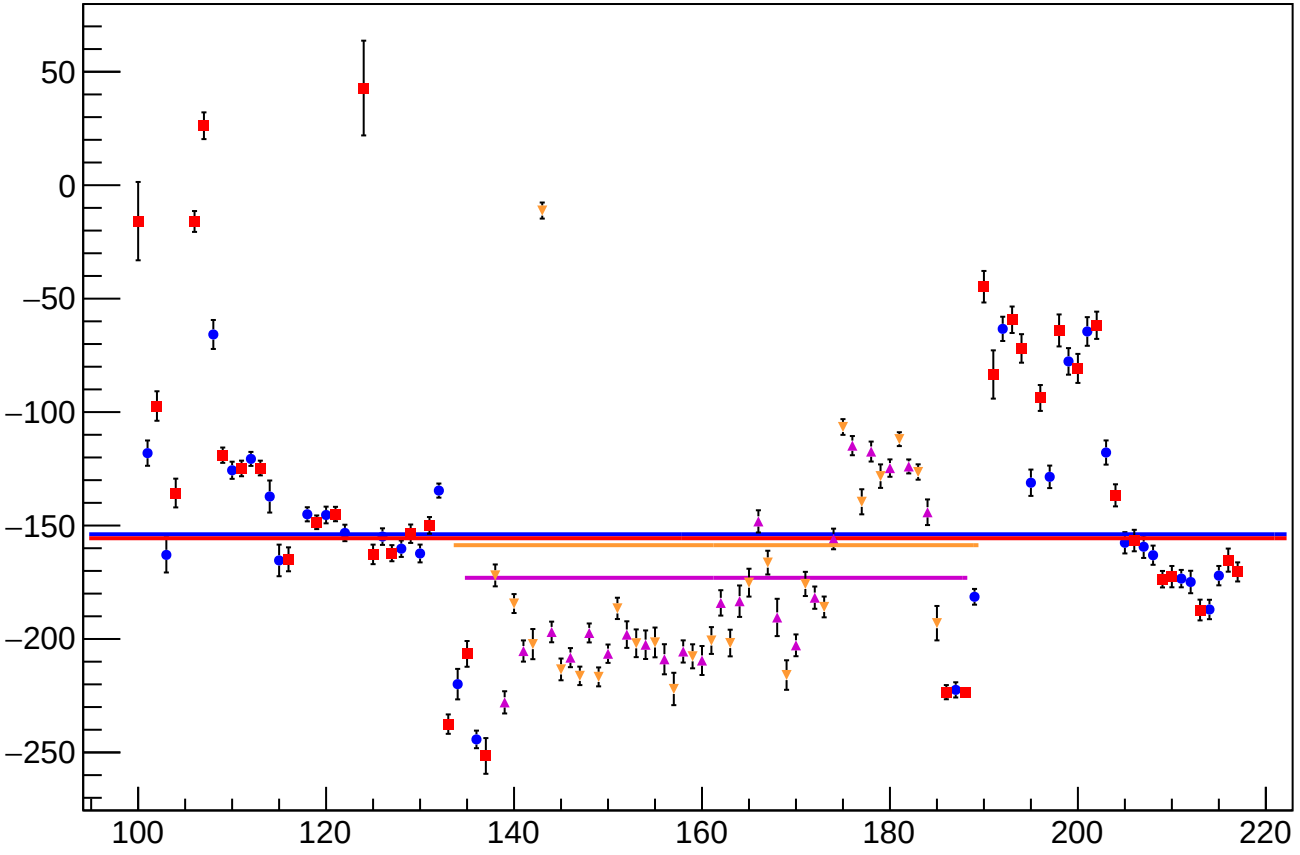
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -1.150+/-0.532 χ^2/NDF: 1157.7/55

All: -1.238+/-0.380 χ^2/NDF: 2401.3/114

- sign -1.330+/-0.542 χ^2/NDF: 1243.5/58

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -153.856+/-0.772 χ^2/NDF: 2467.9/30

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.604+/-0.711 χ^2/NDF: 6530.0/35

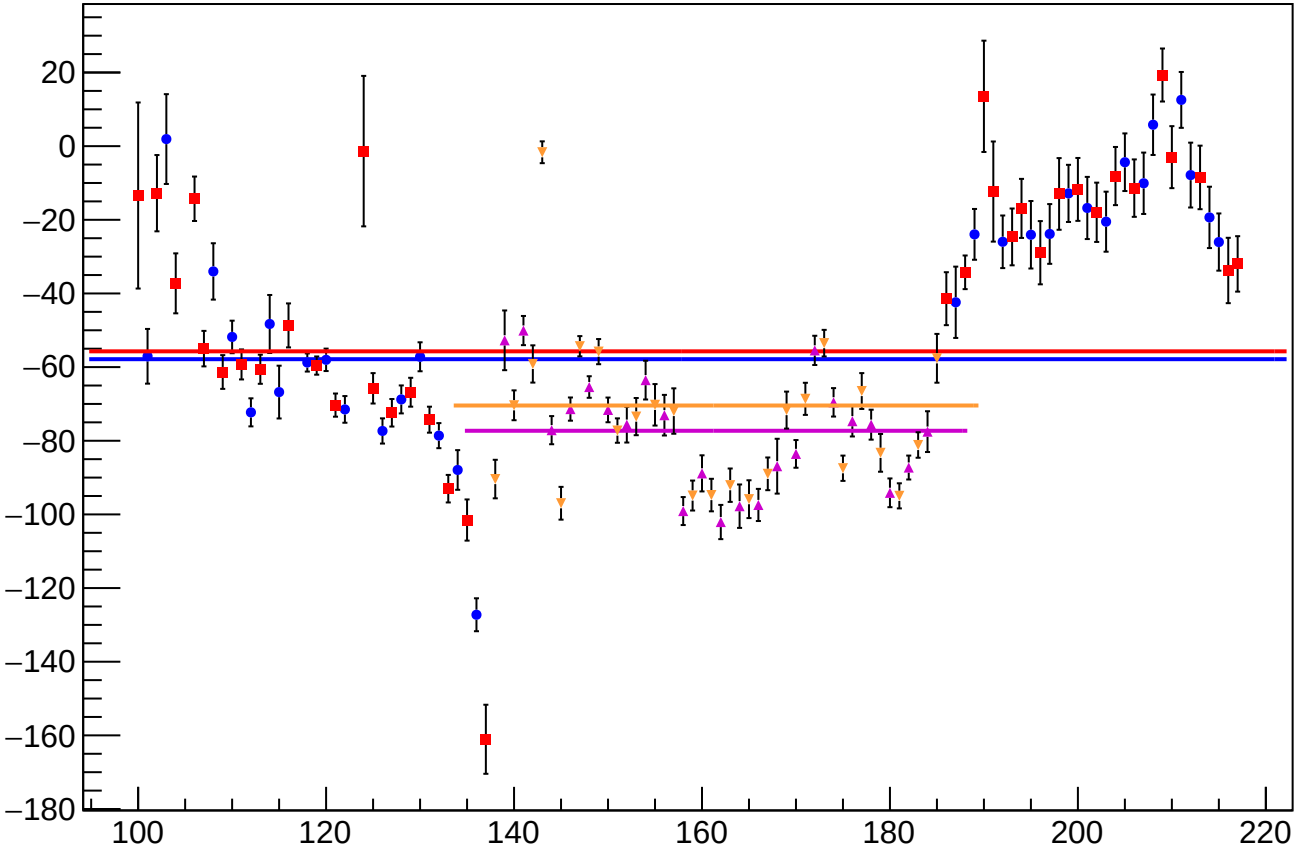
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -155.764+/-0.599 χ^2/NDF: 5975.1/55

All: -158.731+/-0.416 χ^2/NDF: 14155.5/114

- sign -161.499+/-0.579 χ^2/NDF: 8133.1/58

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.848+/-0.925 χ^2/NDF: 869.6/30

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.717+/-0.903 χ^2/NDF: 899.8/35

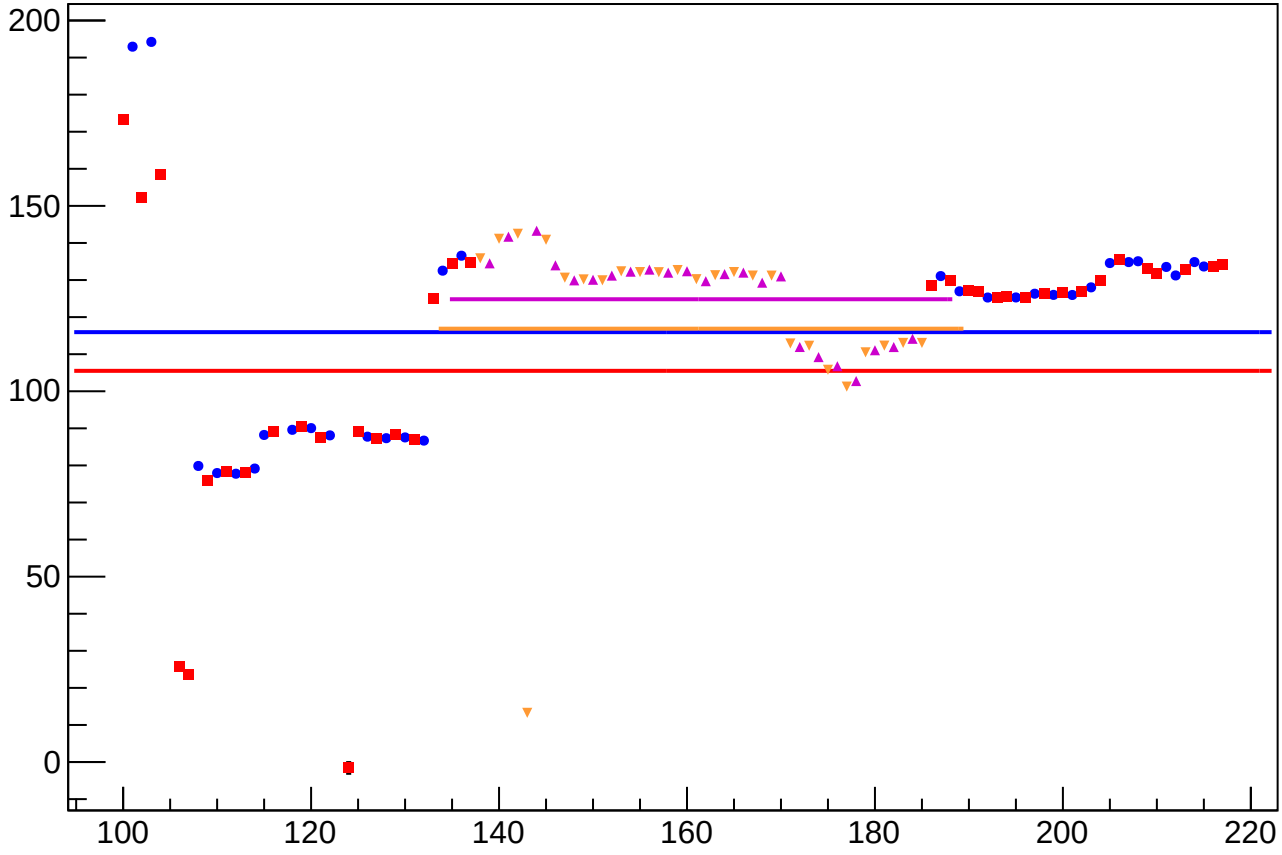
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -64.885+/-0.614 χ^2/NDF: 1874.6/55

All: -65.903+/-0.438 χ^2/NDF: 3331.5/114

- sign -66.957+/-0.625 χ^2/NDF: 1451.4/58

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 115.946+/-0.053 χ^2/NDF: 289428.0/30

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.509+/-0.049 χ^2/NDF: 545150.8/35

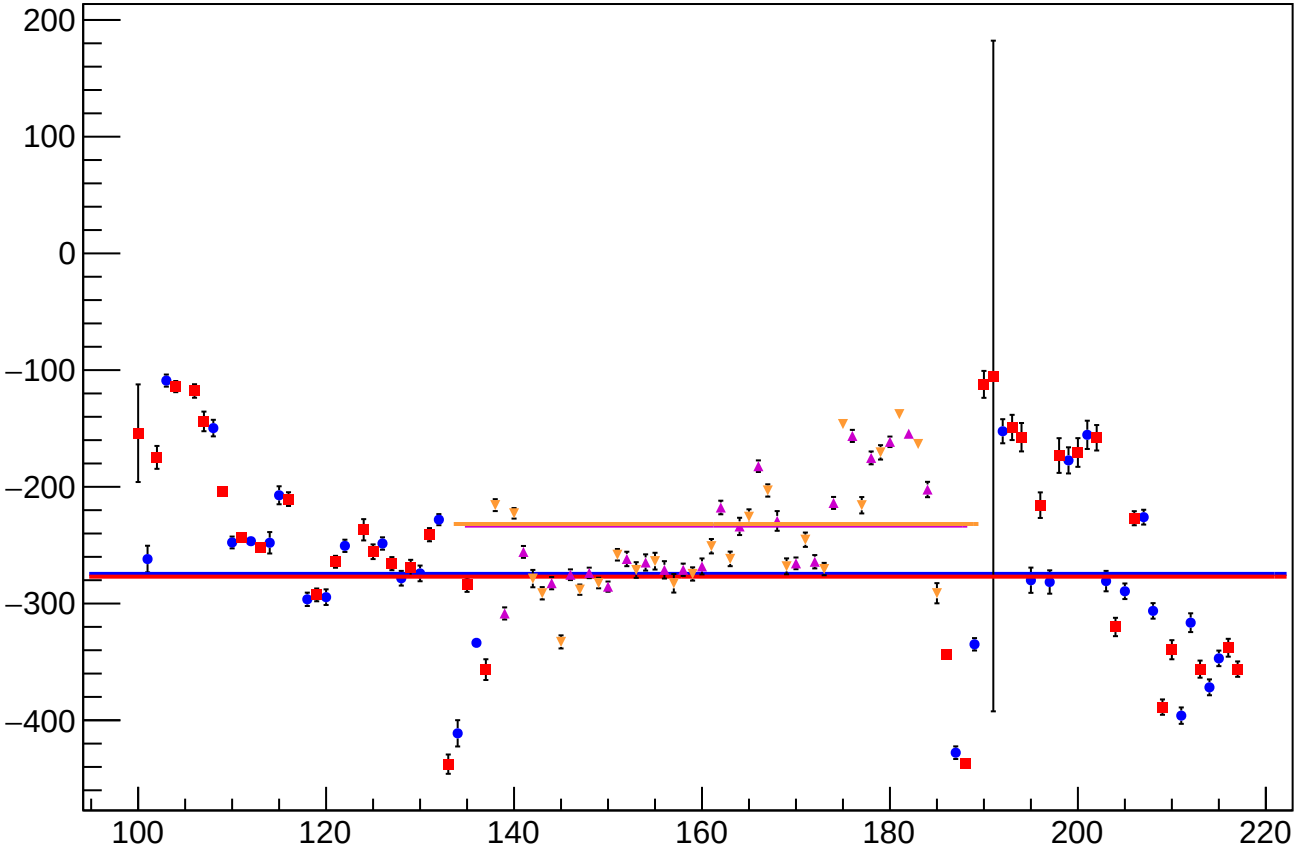
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.560+/-0.031 χ^2/NDF: 912744.6/55

All: 116.929+/-0.022 χ^2/NDF: 1640250.5/114

- sign 117.293+/-0.031 χ^2/NDF: 727223.2/58

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -274.600+/-1.148 χ^2/NDF: 3986.3/30

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -276.974+/-1.034 χ^2/NDF: 8254.0/35

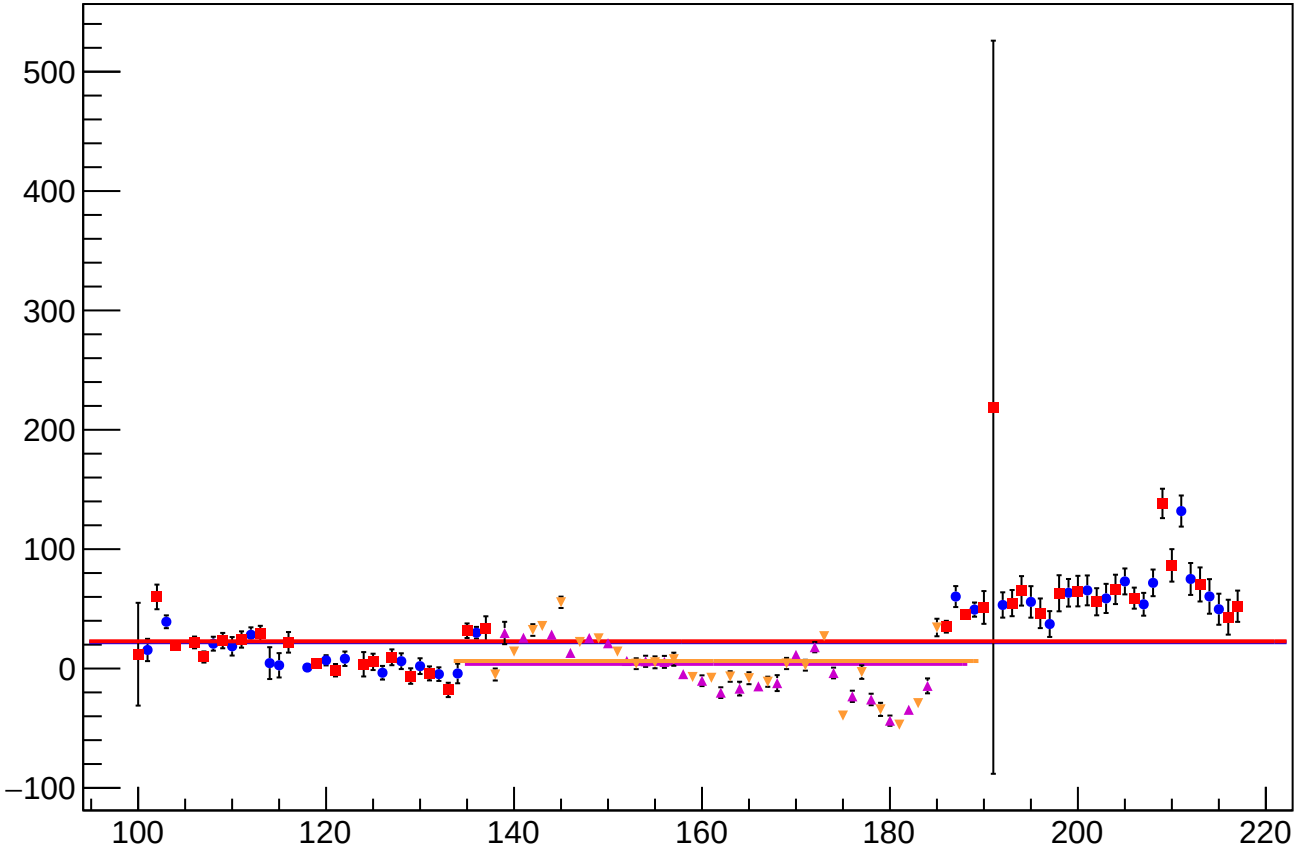
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -251.916+/-0.787 χ^2/NDF: 7398.3/55

All: -254.357+/-0.545 χ^2/NDF: 18569.9/114

- sign -256.610+/-0.756 χ^2/NDF: 11153.1/58

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.050+/-1.294 χ^2/NDF: 384.8/30

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.808+/-1.170 χ^2/NDF: 426.3/35

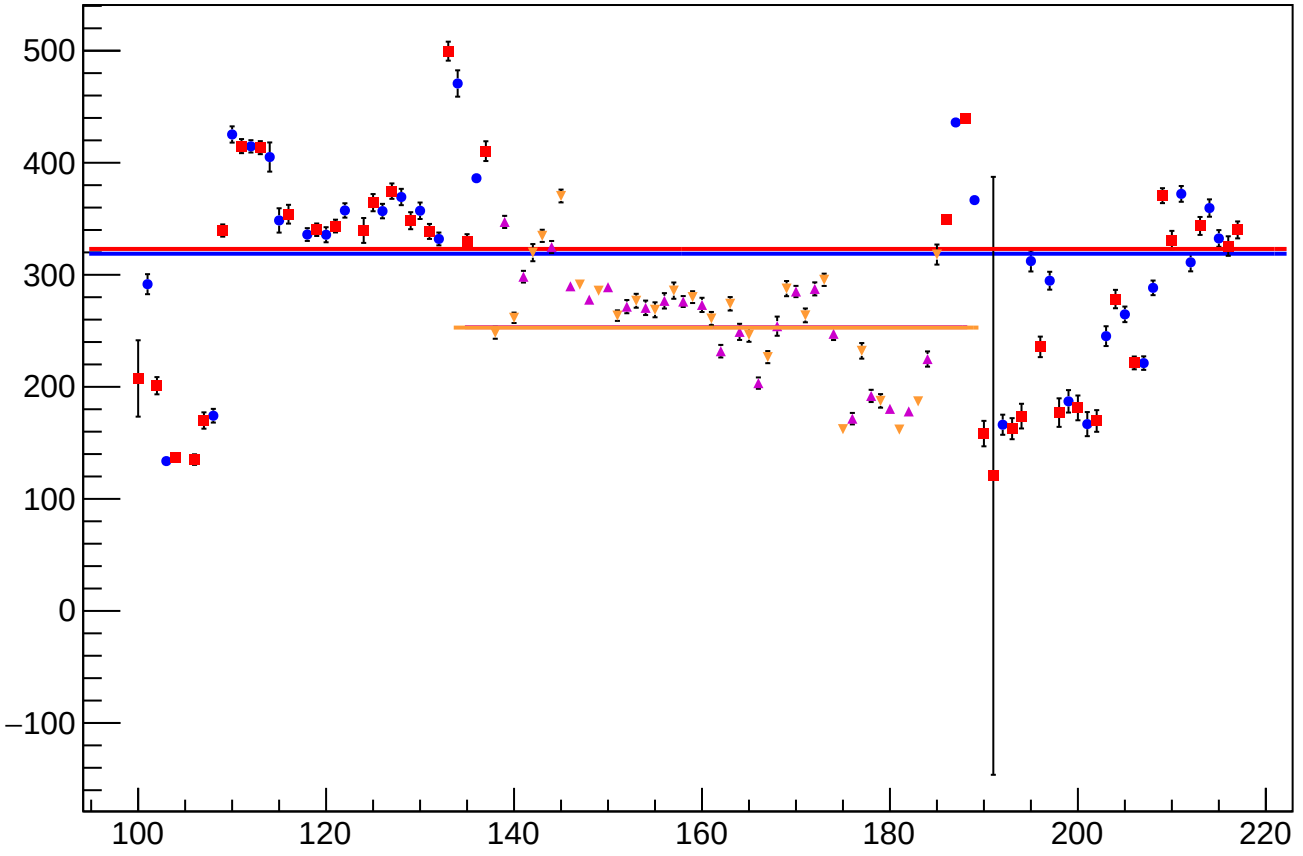
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

\+ sign 10.560+/-0.674 χ^2/NDF: 1364.4/55

All: 10.334+/-0.475 χ^2/NDF: 2616.4/114

\- sign 10.111+/-0.671 χ^2/NDF: 1251.8/58

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.815+/-1.185 χ^2/NDF: 5777.7/30

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.089+/-1.036 χ^2/NDF: 10158.8/35

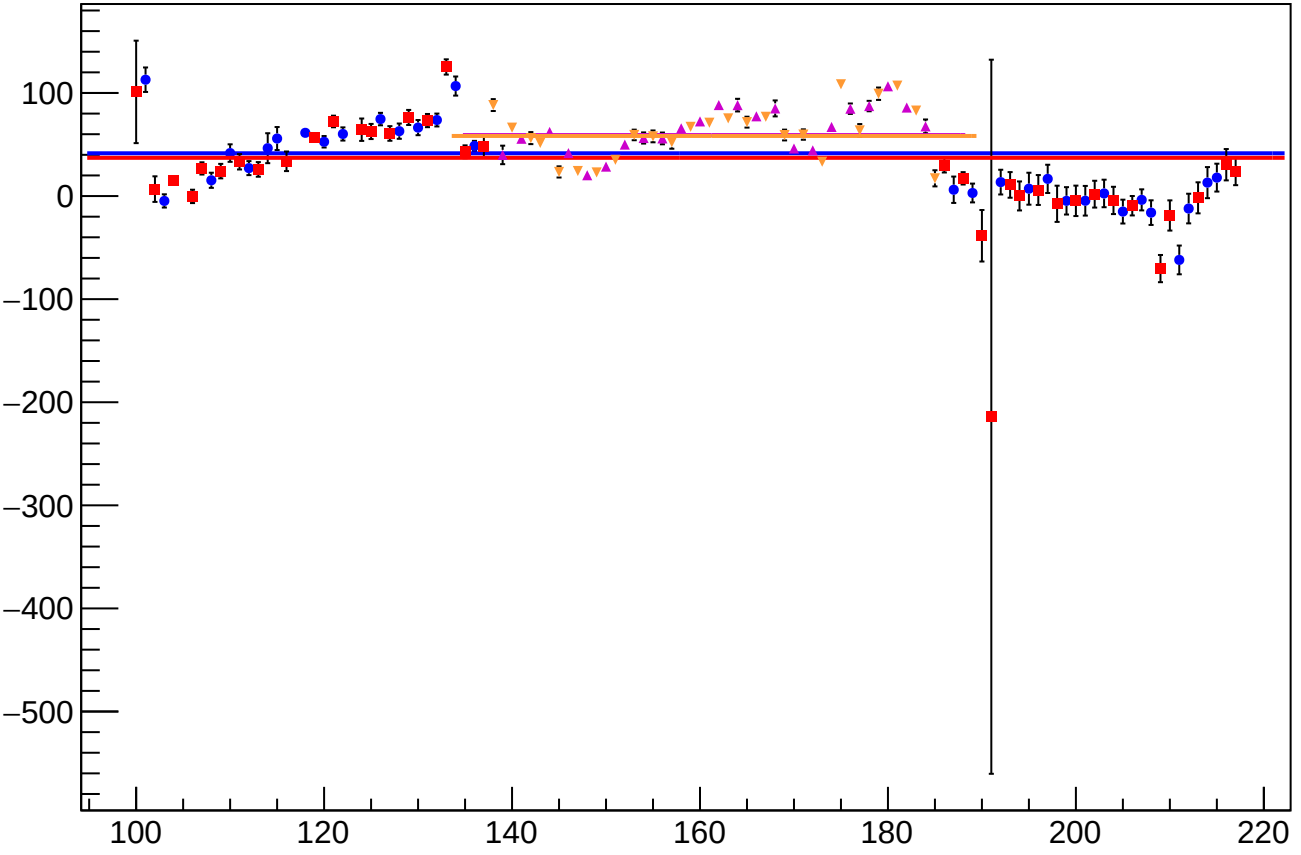
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 282.502+/-0.794 χ^2/NDF: 10060.6/55

All: 286.475+/-0.546 χ^2/NDF: 24475.6/114

- sign 290.037+/-0.752 χ^2/NDF: 14367.6/58

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 41.494+/-1.506 χ^2/NDF: 479.4/30

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.103+/-1.395 χ^2/NDF: 543.8/35

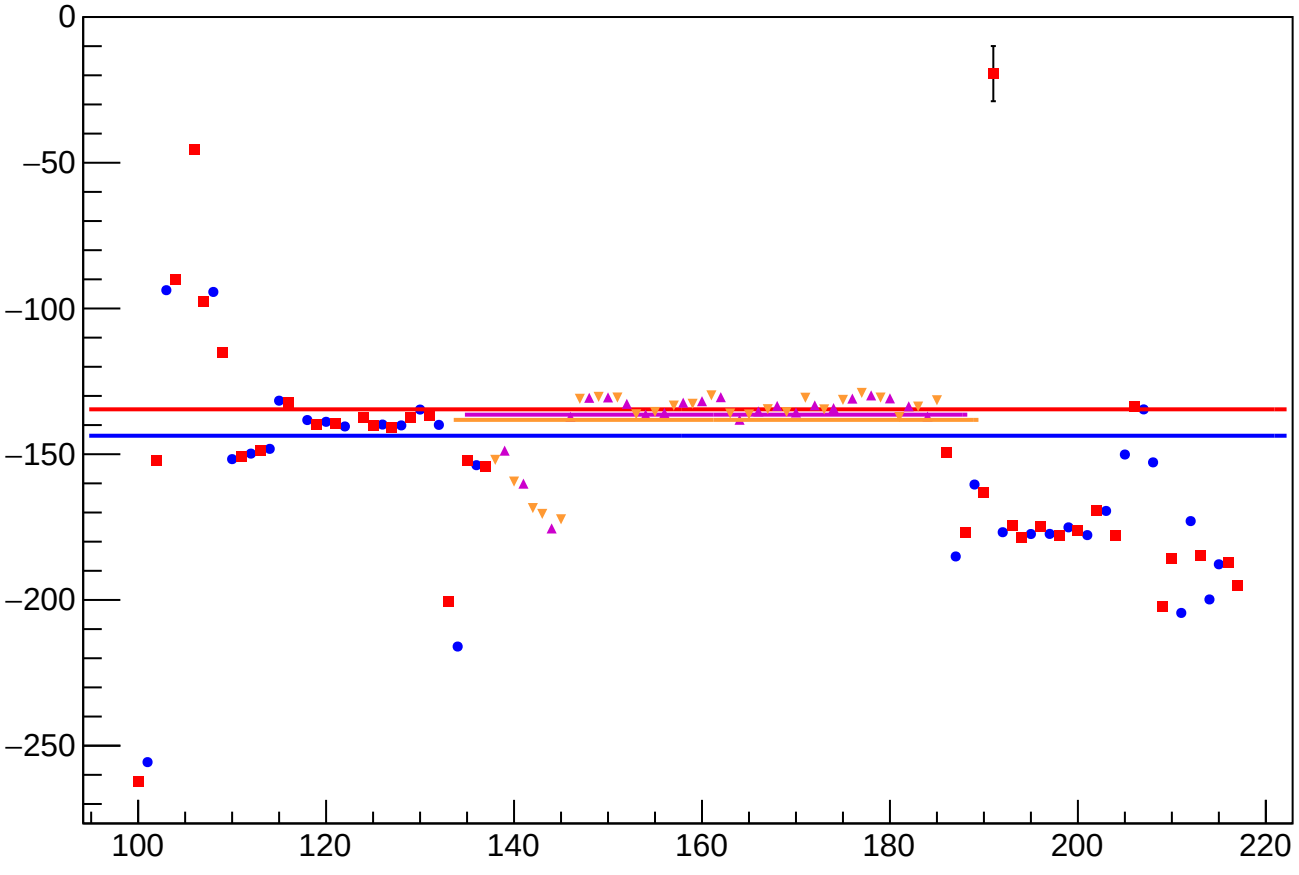
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.798+/-0.780 χ^2/NDF: 1420.8/55

All: 53.039+/-0.551 χ^2/NDF: 2770.9/114

- sign 52.283+/-0.779 χ^2/NDF: 1348.2/58

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -143.659+/-0.074 χ^2/NDF: 255469.5/30

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.597+/-0.070 χ^2/NDF: 366066.6/35

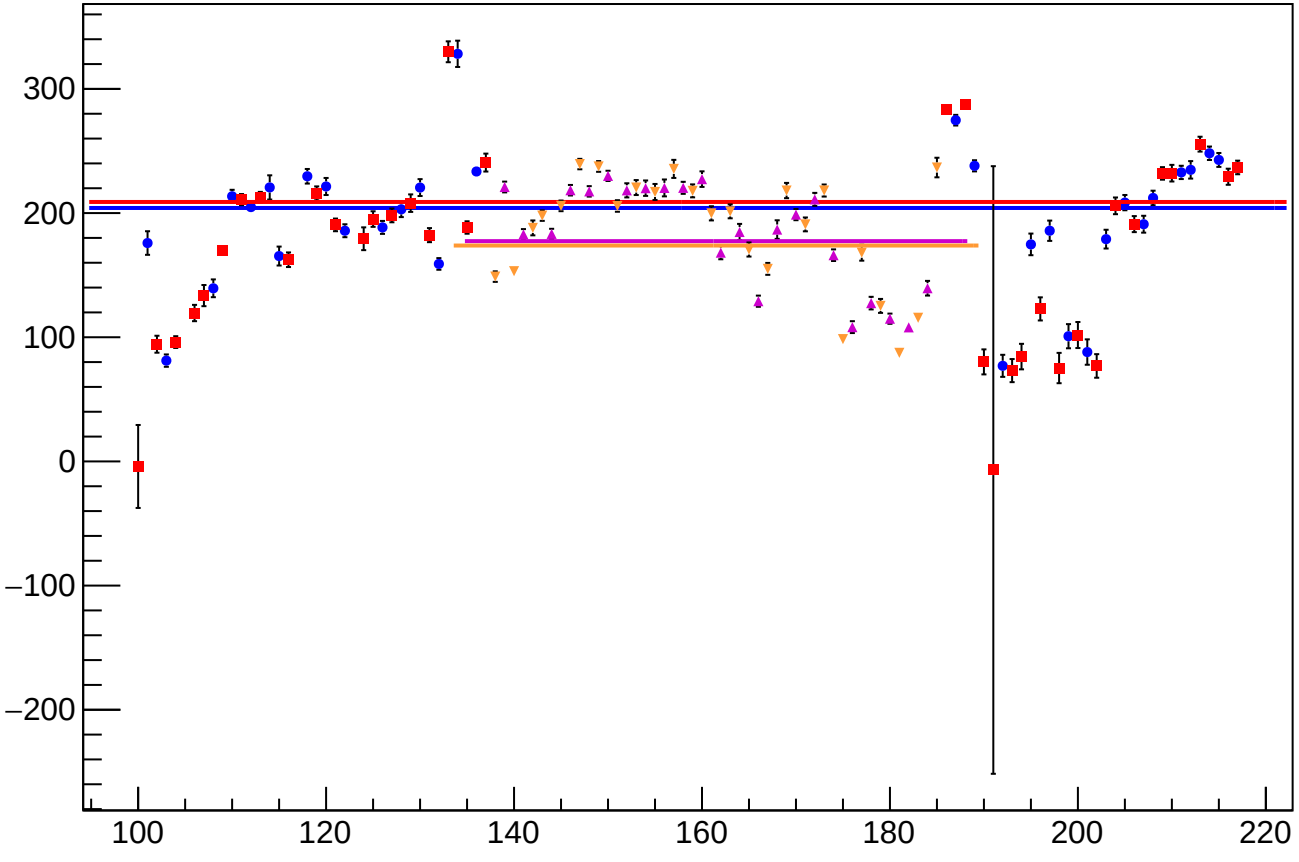
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.575+/-0.037 χ^2/NDF: 341387.6/55

All: -137.736+/-0.026 χ^2/NDF: 762696.4/114

- sign -135.927+/-0.037 χ^2/NDF: 416360.3/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 204.109+/-1.062 χ^2/NDF: 2055.2/30

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 208.948+/-0.955 χ^2/NDF: 4344.5/35

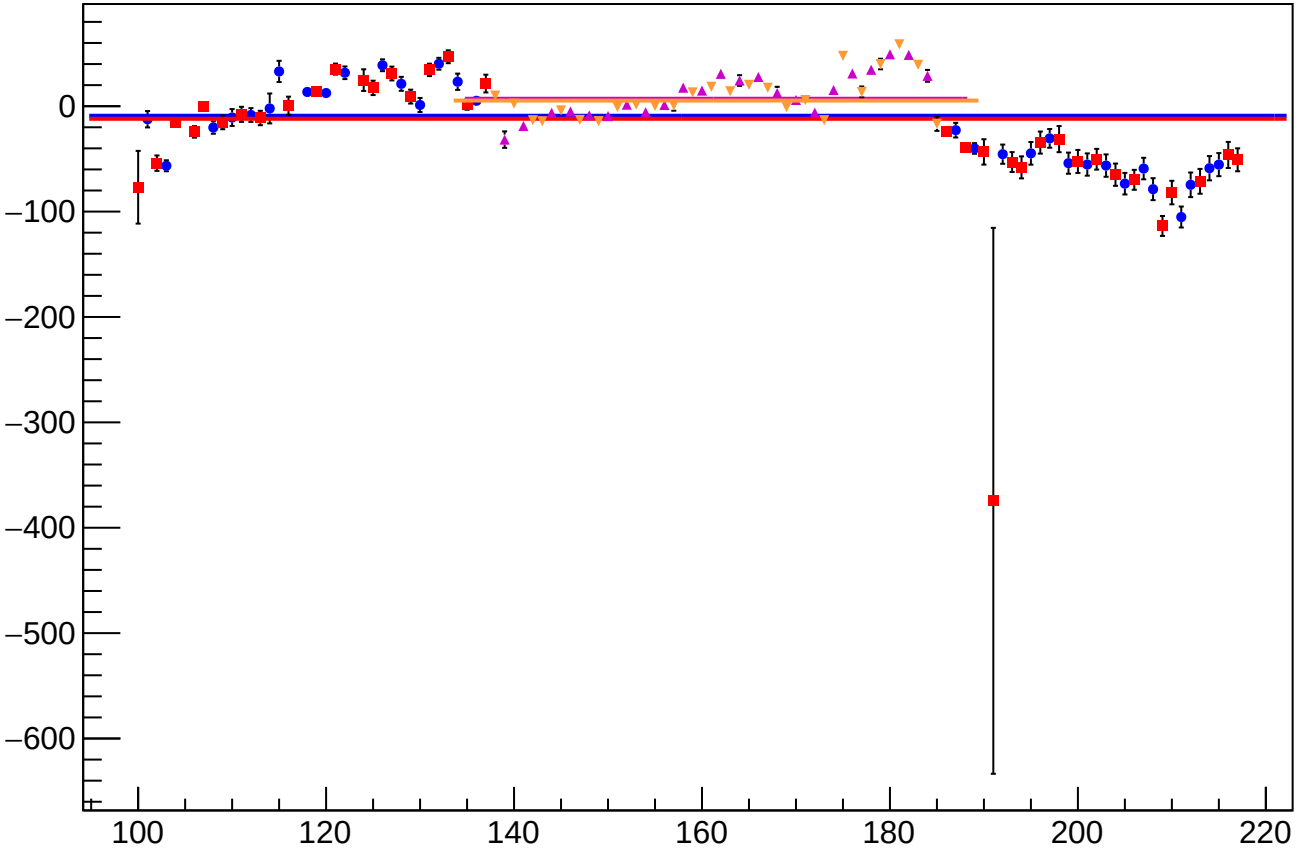
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 187.490+/-0.713 χ^2/NDF: 5128.1/55

All: 190.767+/-0.496 χ^2/NDF: 11999.2/114

\- sign 193.829+/-0.689 χ^2/NDF: 6830.3/58

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -9.068+/-1.228 χ^2/NDF: 821.2/30

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -11.933+/-1.108 χ^2/NDF: 871.8/35

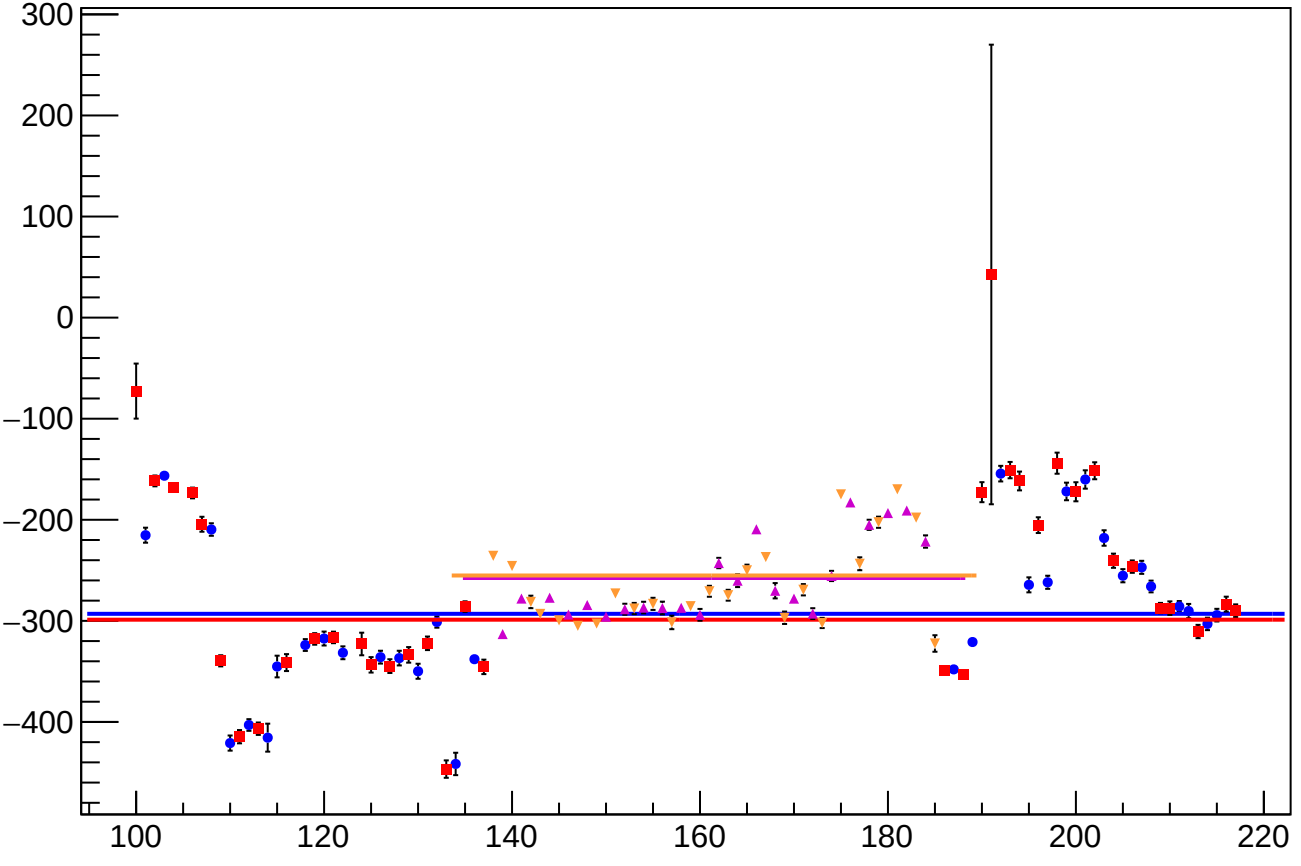
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 1.744+/-0.615 χ^2/NDF: 1734.6/55

All: 1.467+/-0.435 χ^2/NDF: 3519.4/114

- sign 1.189+/-0.616 χ^2/NDF: 1784.4/58

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.036+/-1.075 χ^2/NDF: 4106.1/30

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.849+/-0.934 χ^2/NDF: 6721.0/35

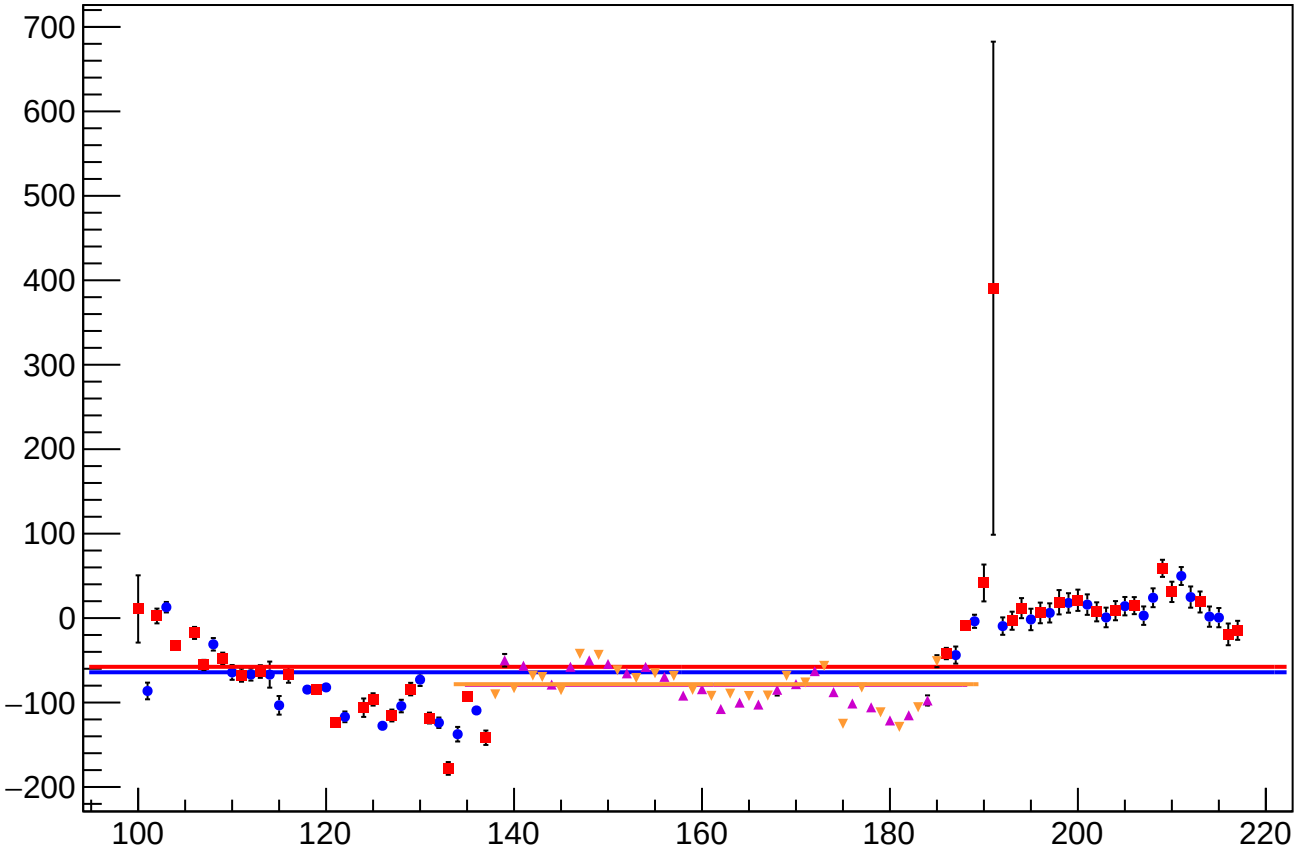
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.865+/-0.715 χ^2/NDF: 7145.1/55

All: -275.783+/-0.492 χ^2/NDF: 16654.5/114

- sign -279.308+/-0.678 χ^2/NDF: 9452.3/58

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -64.164+/-1.427 χ^2/NDF: 1381.5/30

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.708+/-1.325 χ^2/NDF: 1552.5/35

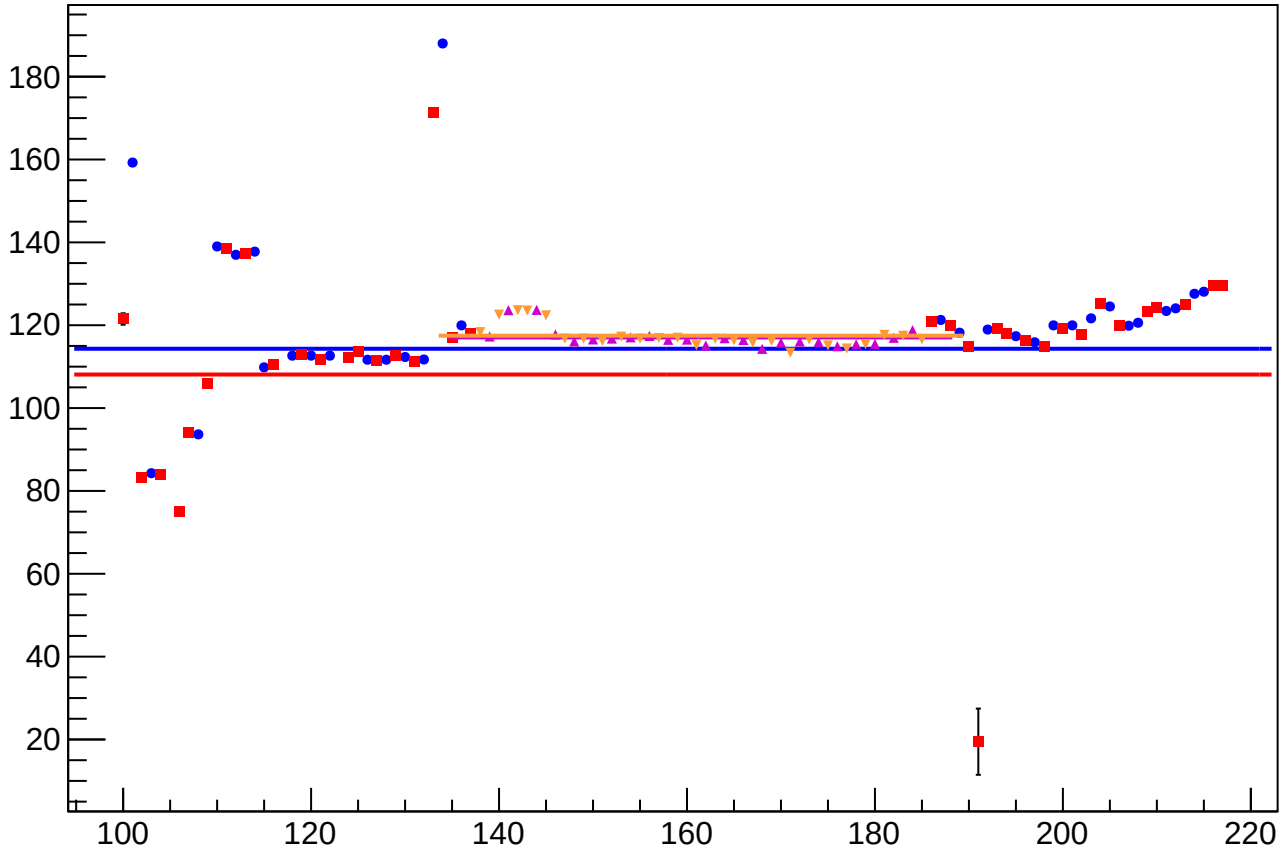
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -74.794+/-0.710 χ^2/NDF: 2323.4/55

All: -73.828+/-0.504 χ^2/NDF: 4766.5/114

- sign -72.850+/-0.715 χ^2/NDF: 2439.4/58

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.320+/-0.068 χ^2/NDF: 89061.2/30

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.099+/-0.064 χ^2/NDF: 83830.4/35

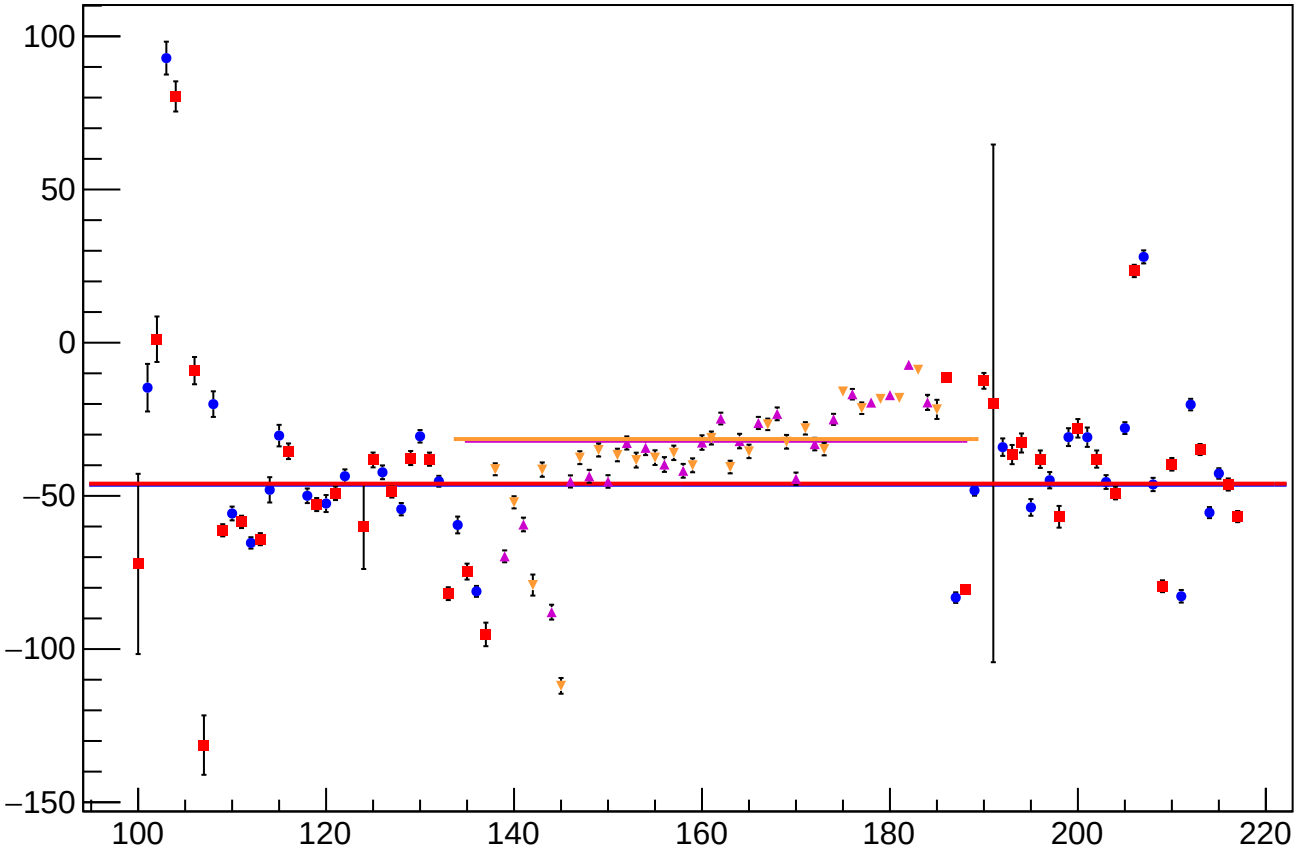
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.722+/-0.033 χ^2/NDF: 95451.6/55

All: 115.683+/-0.023 χ^2/NDF: 198951.6/114

- sign 114.652+/-0.033 χ^2/NDF: 101544.5/58

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.356+/-0.407 χ^2/NDF: 3742.8/30

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.013+/-0.371 χ^2/NDF: 5779.1/35

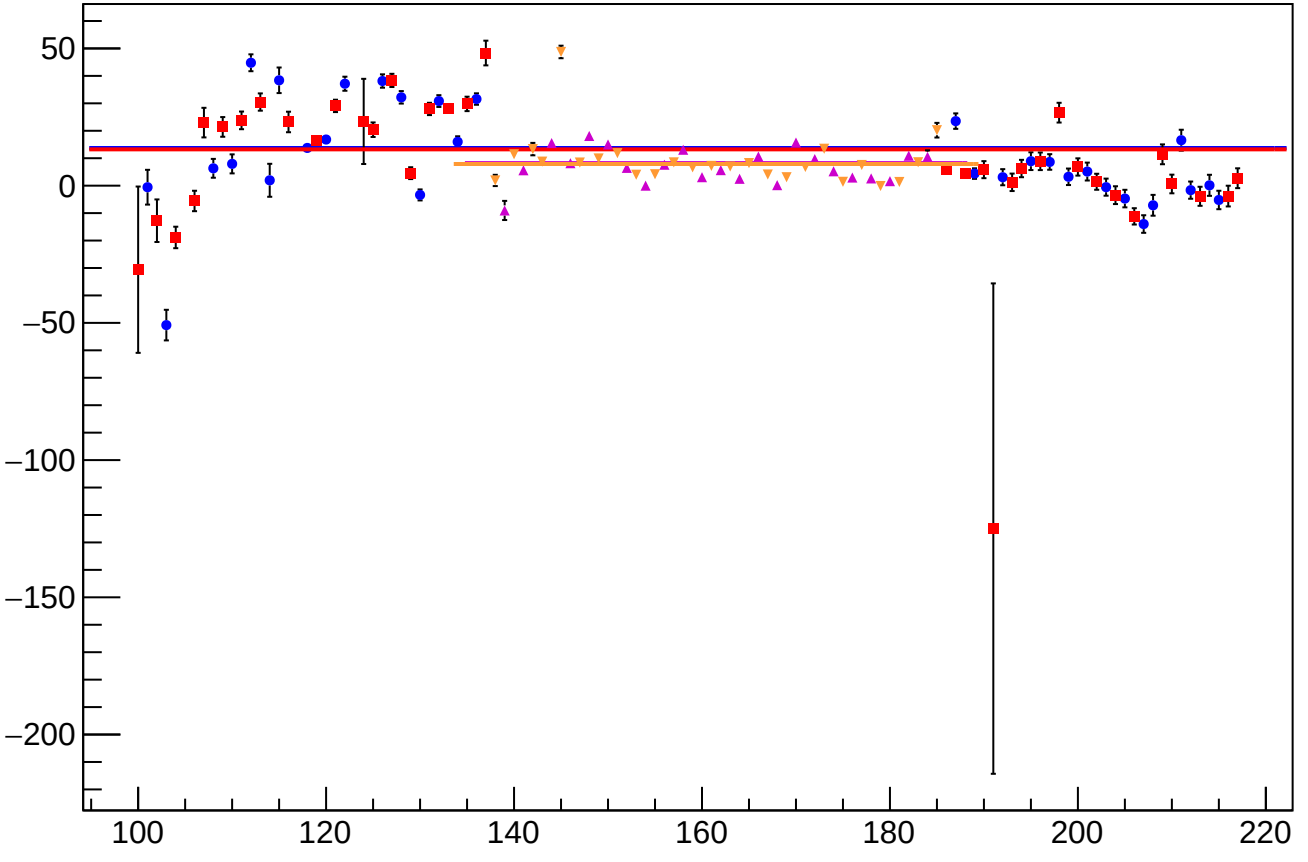
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -38.753+/-0.285 χ^2/NDF: 6418.9/55

All: -39.243+/-0.198 χ^2/NDF: 14759.8/114

\- sign -39.699+/-0.275 χ^2/NDF: 8335.2/58

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.718+/-0.482 χ^2/NDF: 1045.3/30

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.228+/-0.447 χ^2/NDF: 884.6/35

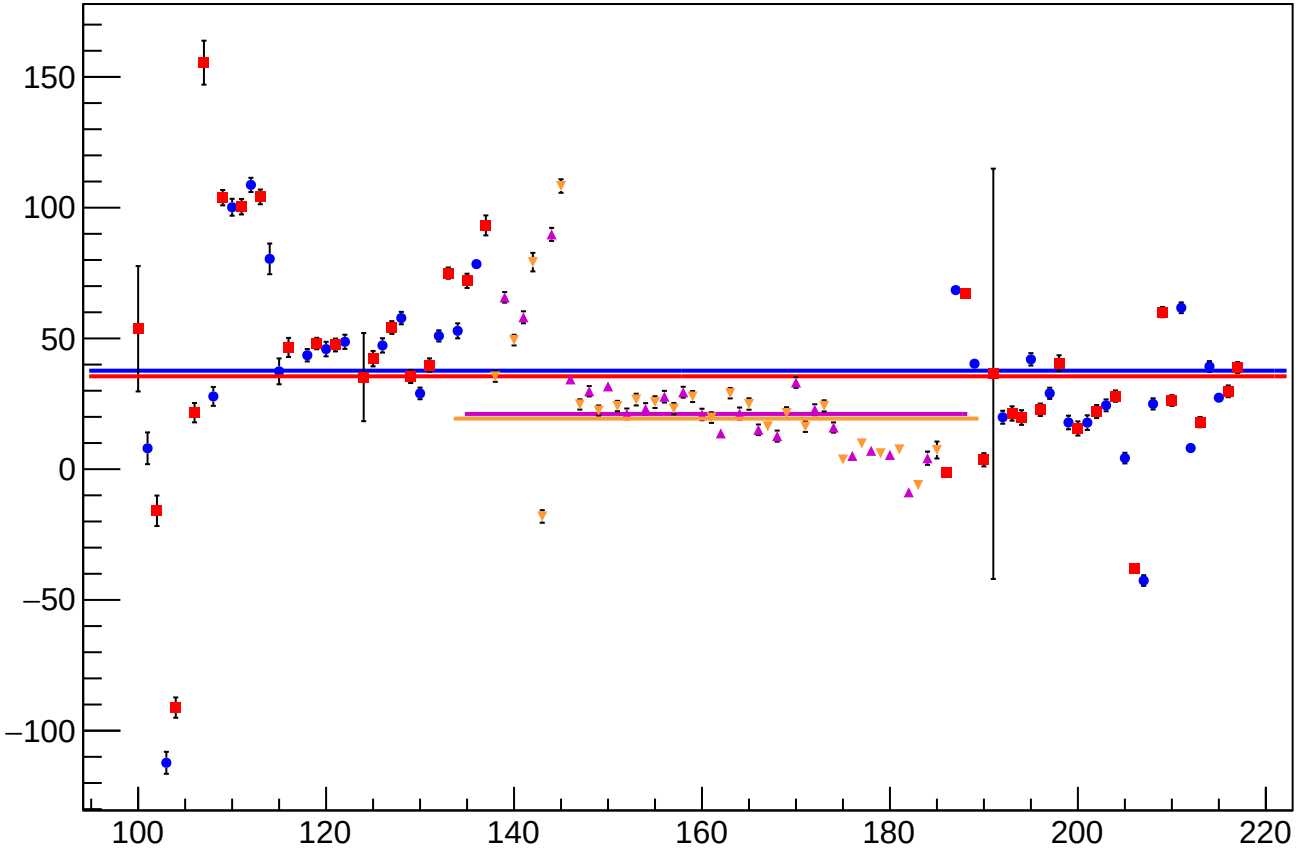
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.552+/-0.257 χ^2/NDF: 1640.2/55

All: 9.719+/-0.182 χ^2/NDF: 2948.0/114

- sign 9.886+/-0.258 χ^2/NDF: 1307.0/58

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.671+/-0.416 χ^2/NDF: 6086.8/30

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.508+/-0.362 χ^2/NDF: 9375.4/35

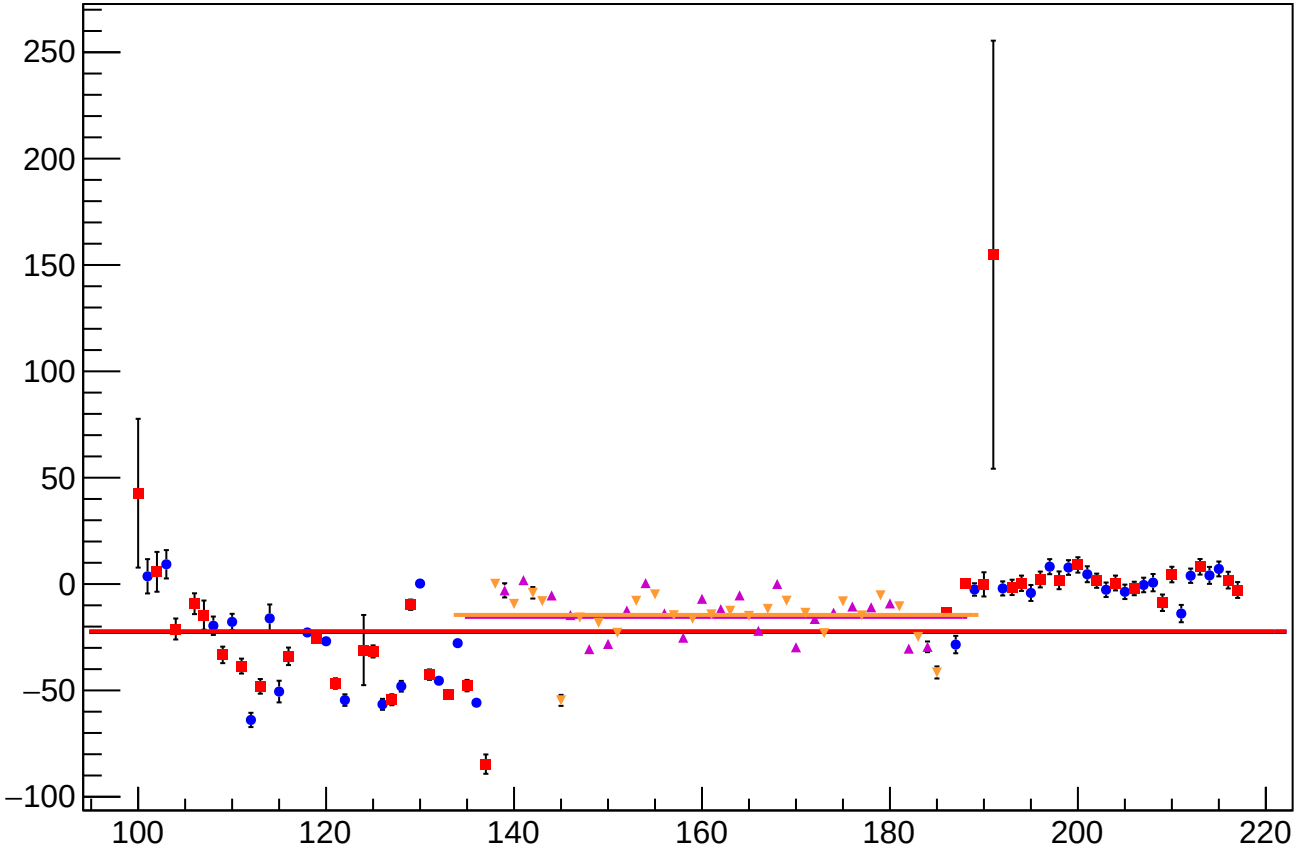
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 28.042+/-0.287 χ^2/NDF: 9788.8/55

All: 28.609+/-0.197 χ^2/NDF: 22377.6/114

\- sign 29.112+/-0.270 χ^2/NDF: 12581.4/58

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -22.535+/-0.557 χ^2/NDF: 1732.4/30

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -22.165+/-0.535 χ^2/NDF: 1723.6/35

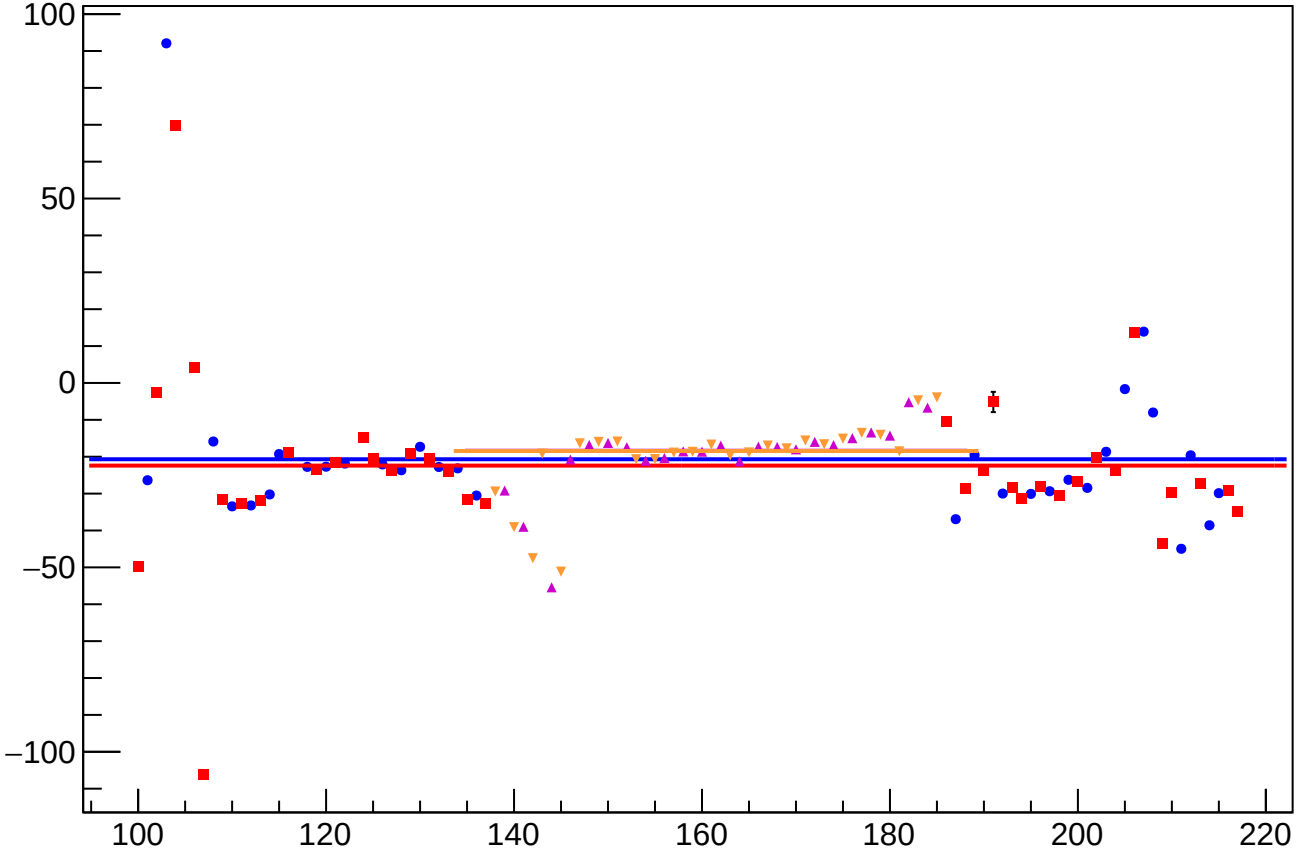
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.720+/-0.293 χ^2/NDF: 2524.0/55

All: -17.096+/-0.208 χ^2/NDF: 5160.0/114

- sign -17.480+/-0.296 χ^2/NDF: 2632.6/58

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.685+/-0.027 χ^2/NDF: 581935.0/30

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.405+/-0.027 χ^2/NDF: 488048.2/35

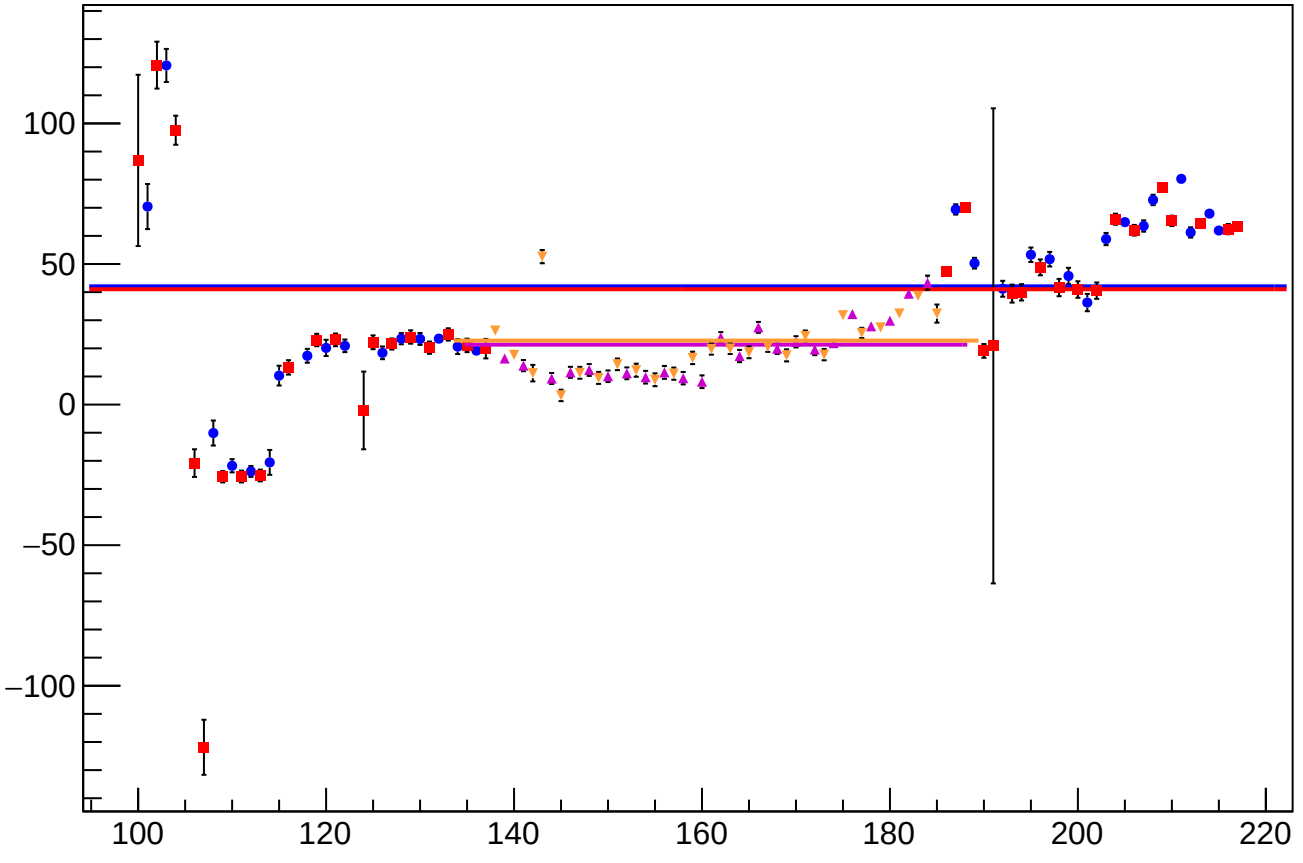
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.002+/-0.013 χ^2/NDF: 882443.1/55

All: -19.210+/-0.010 χ^2/NDF: 1637961.8/114

- sign -19.422+/-0.014 χ^2/NDF: 755033.3/58

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 42.048+/-0.395 χ^2/NDF: 5326.6/30

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.024+/-0.371 χ^2/NDF: 6816.5/35

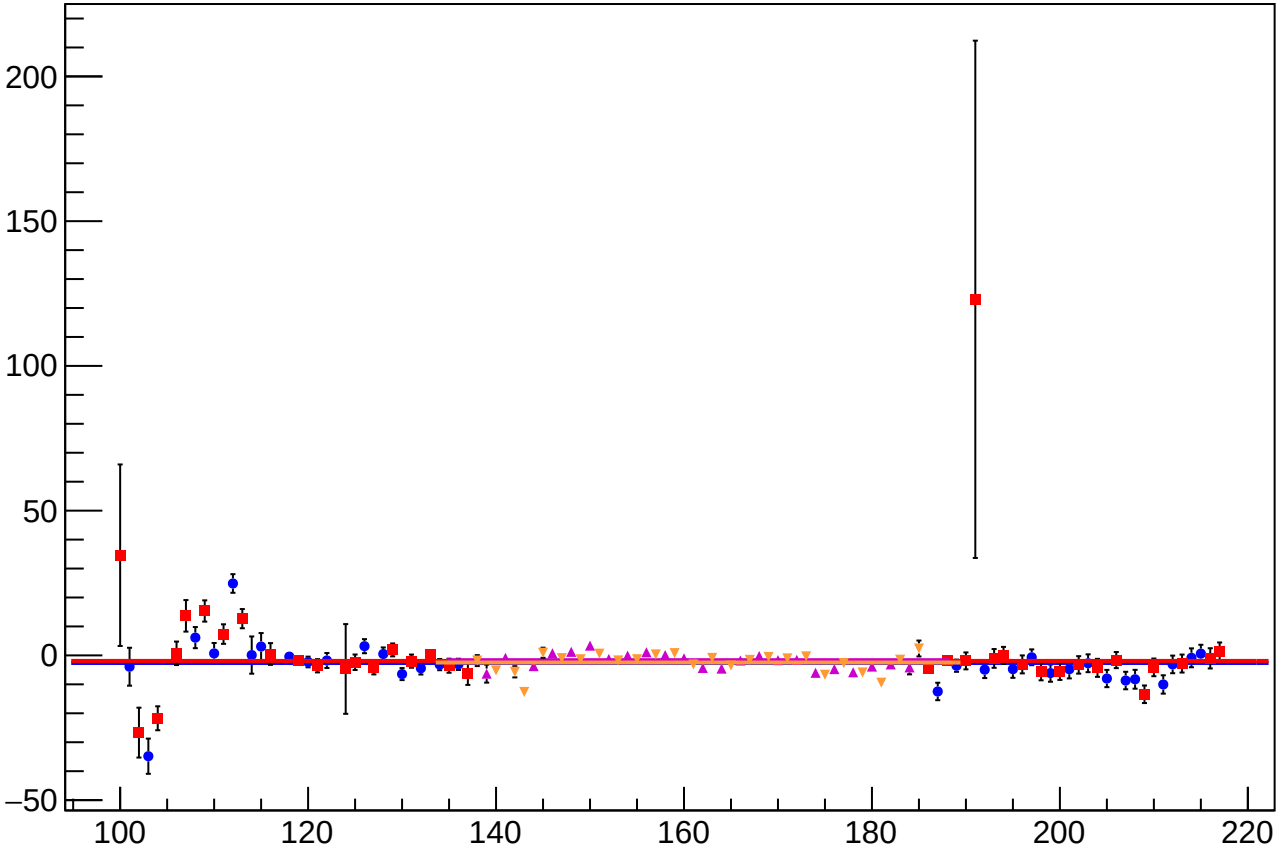
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 32.100+/-0.275 χ^2/NDF: 7278.9/55

All: 31.911+/-0.193 χ^2/NDF: 16054.8/114

- sign 31.729+/-0.270 χ^2/NDF: 8774.9/58

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.618+/-0.480 χ^2/NDF: 154.8/30

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.907+/-0.457 χ^2/NDF: 122.8/35

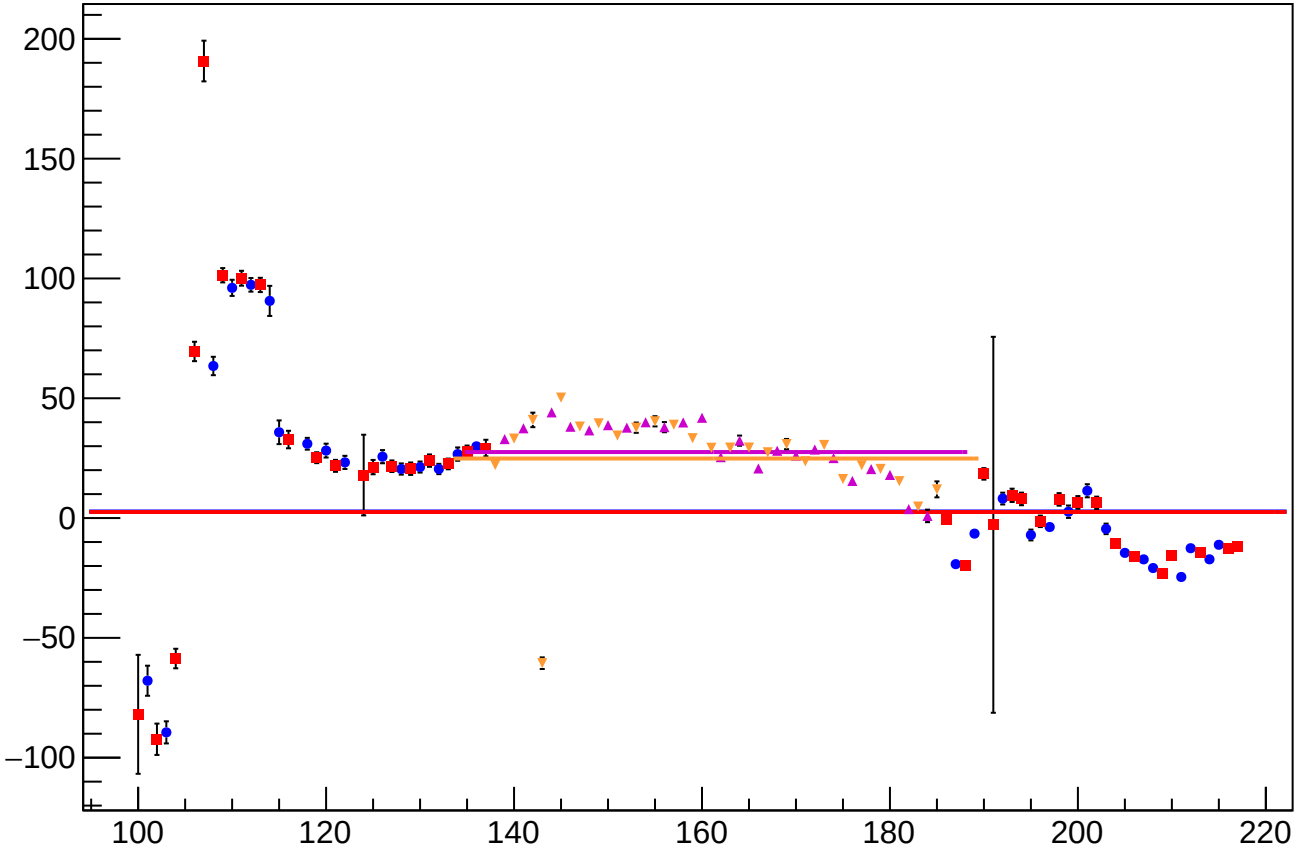
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.509+/-0.250 χ^2/NDF: 271.5/55

All: -2.127+/-0.178 χ^2/NDF: 469.5/114

- sign -1.736+/-0.253 χ^2/NDF: 193.2/58

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 2.749+/-0.406 χ^2/NDF: 4924.4/30

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 2.534+/-0.369 χ^2/NDF: 6424.7/35

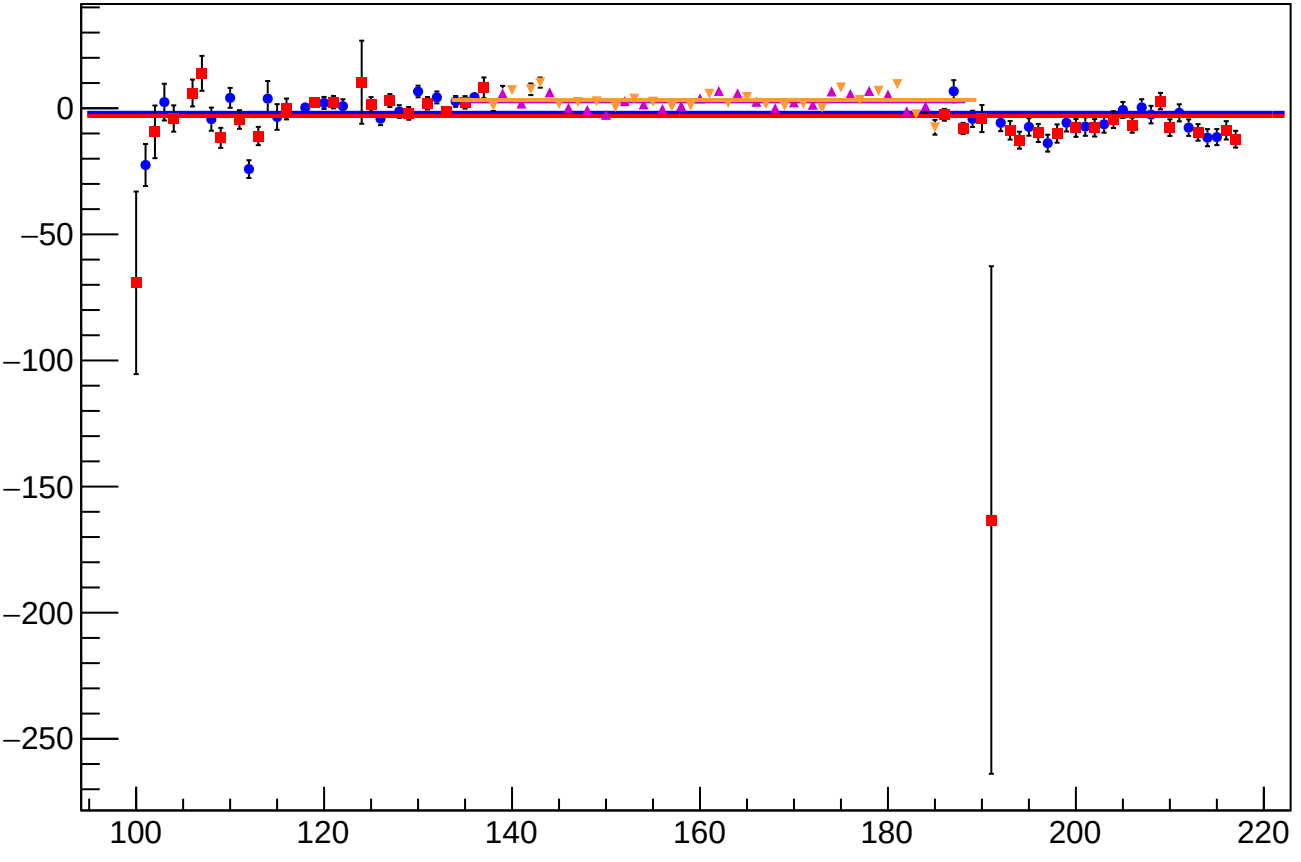
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 14.528+/-0.277 χ^2/NDF: 8554.8/55

All: 14.455+/-0.193 χ^2/NDF: 18039.3/114

- sign 14.386+/-0.268 χ^2/NDF: 9484.4/58

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.811+/-0.549 χ^2/NDF: 138.5/30

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.064+/-0.539 χ^2/NDF: 111.5/35

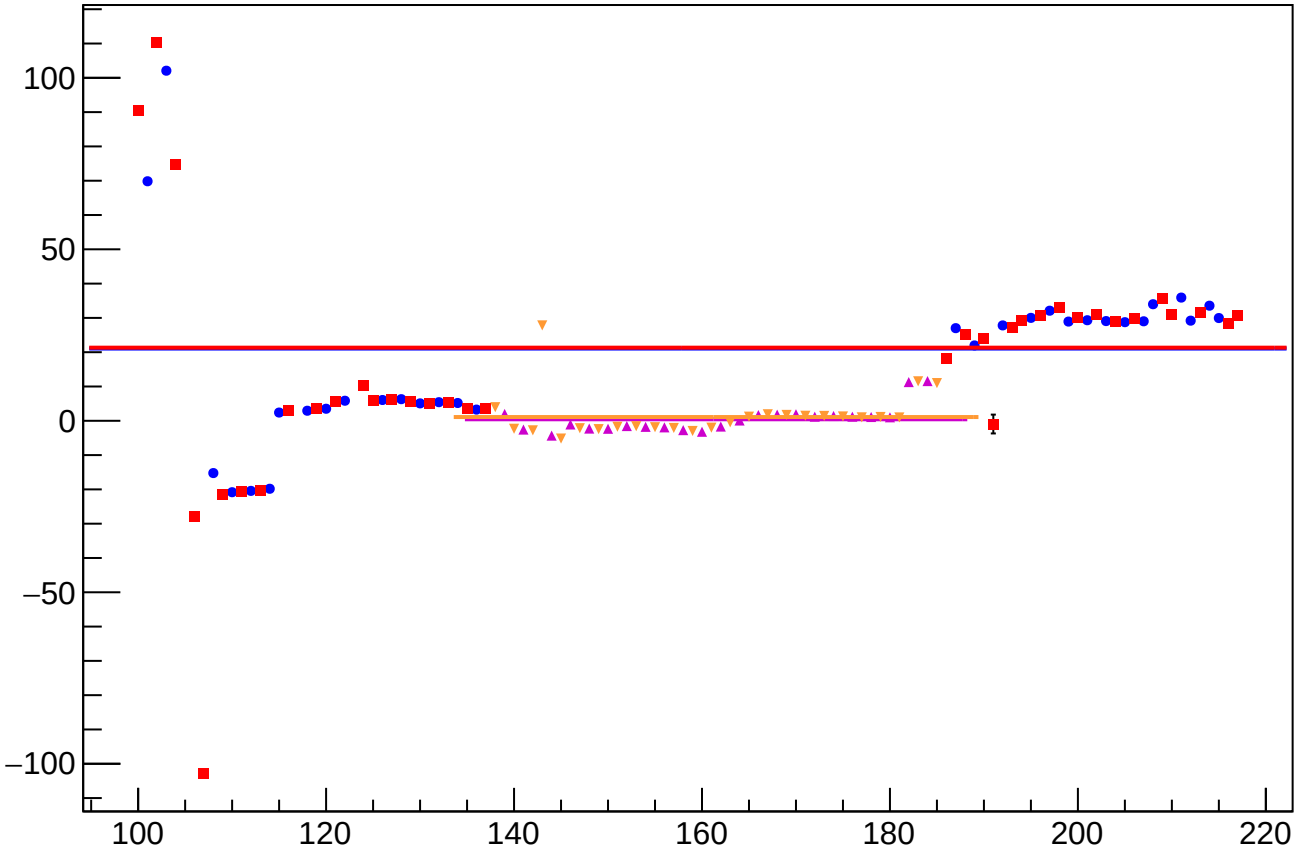
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 1.926+/-0.284 χ^2/NDF: 308.0/55

All: 1.503+/-0.202 χ^2/NDF: 580.9/114

- sign 1.065+/-0.289 χ^2/NDF: 268.4/58

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.066+/-0.026 χ^2/NDF: 504661.0/30

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.321+/-0.026 χ^2/NDF: 646394.6/35

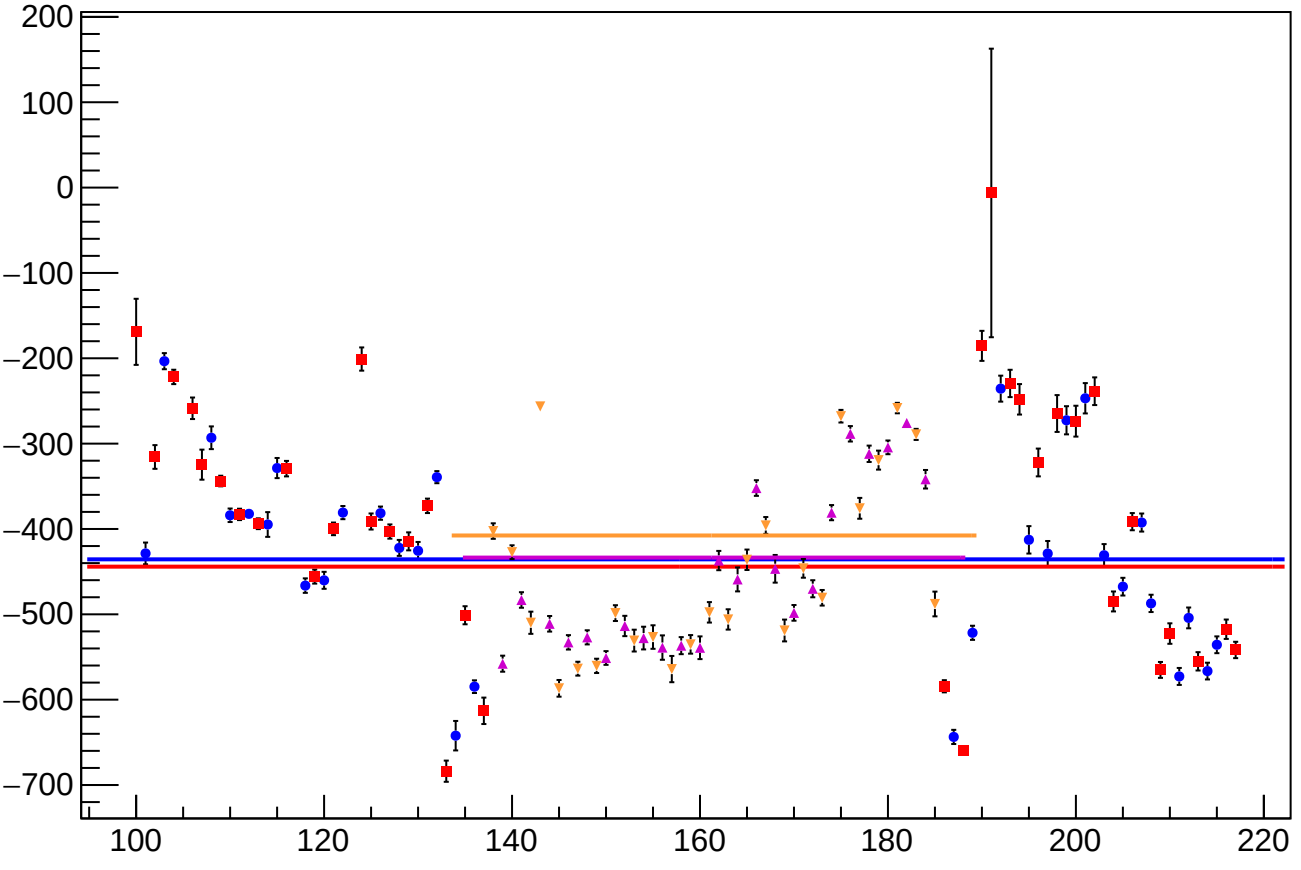
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

\+ sign 5.936+/-0.013 χ^2/NDF: 1072673.7/55

All: 5.799+/-0.009 χ^2/NDF: 2251325.4/114

\- sign 5.660+/-0.013 χ^2/NDF: 1178427.0/58

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -435.576+/-1.767 χ^2/NDF: 3466.3/30

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.145+/-1.624 χ^2/NDF: 6872.2/35

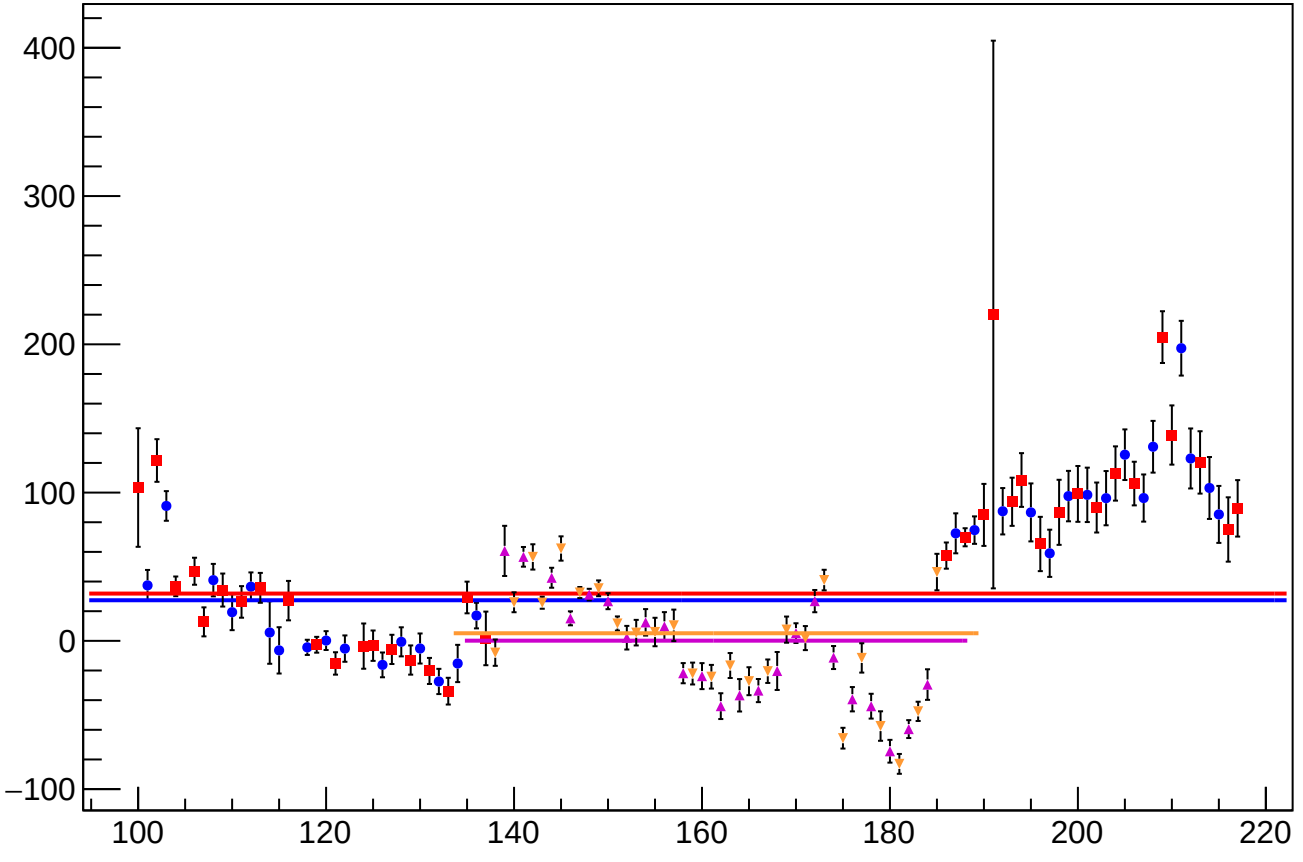
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -422.370+/-1.284 χ^2/NDF: 7590.1/55

All: -431.310+/-0.899 χ^2/NDF: 17299.1/114

- sign -439.909+/-1.259 χ^2/NDF: 9613.8/58

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 27.382+/-1.987 χ^2/NDF: 548.2/30

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 31.889+/-1.863 χ^2/NDF: 598.3/35

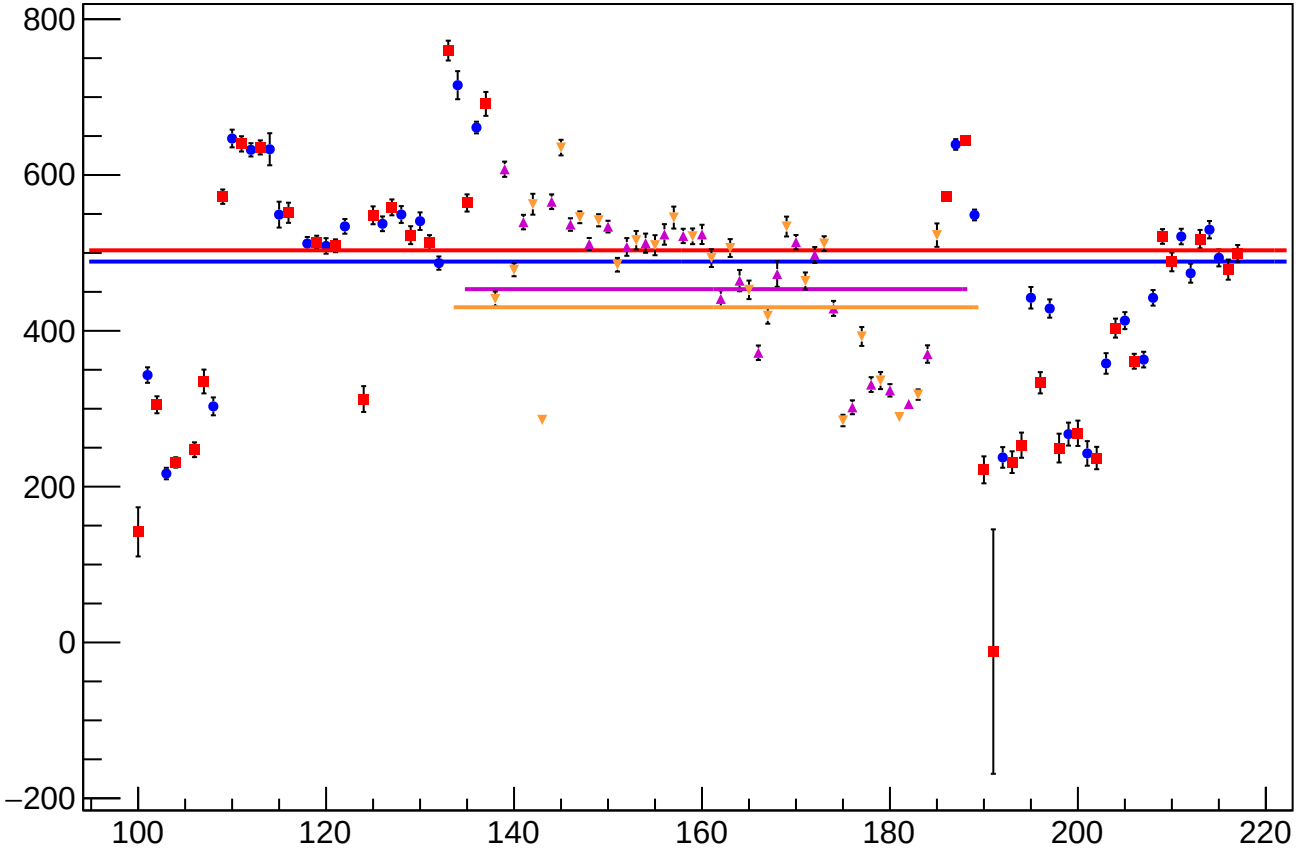
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.358+/-1.133 χ^2/NDF: 1322.1/55

All: 12.430+/-0.812 χ^2/NDF: 2666.3/114

- sign 12.506+/-1.163 χ^2/NDF: 1344.2/58

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 488.883+/-1.834 χ^2/NDF: 4941.4/30

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.320+/-1.641 χ^2/NDF: 8077.2/35

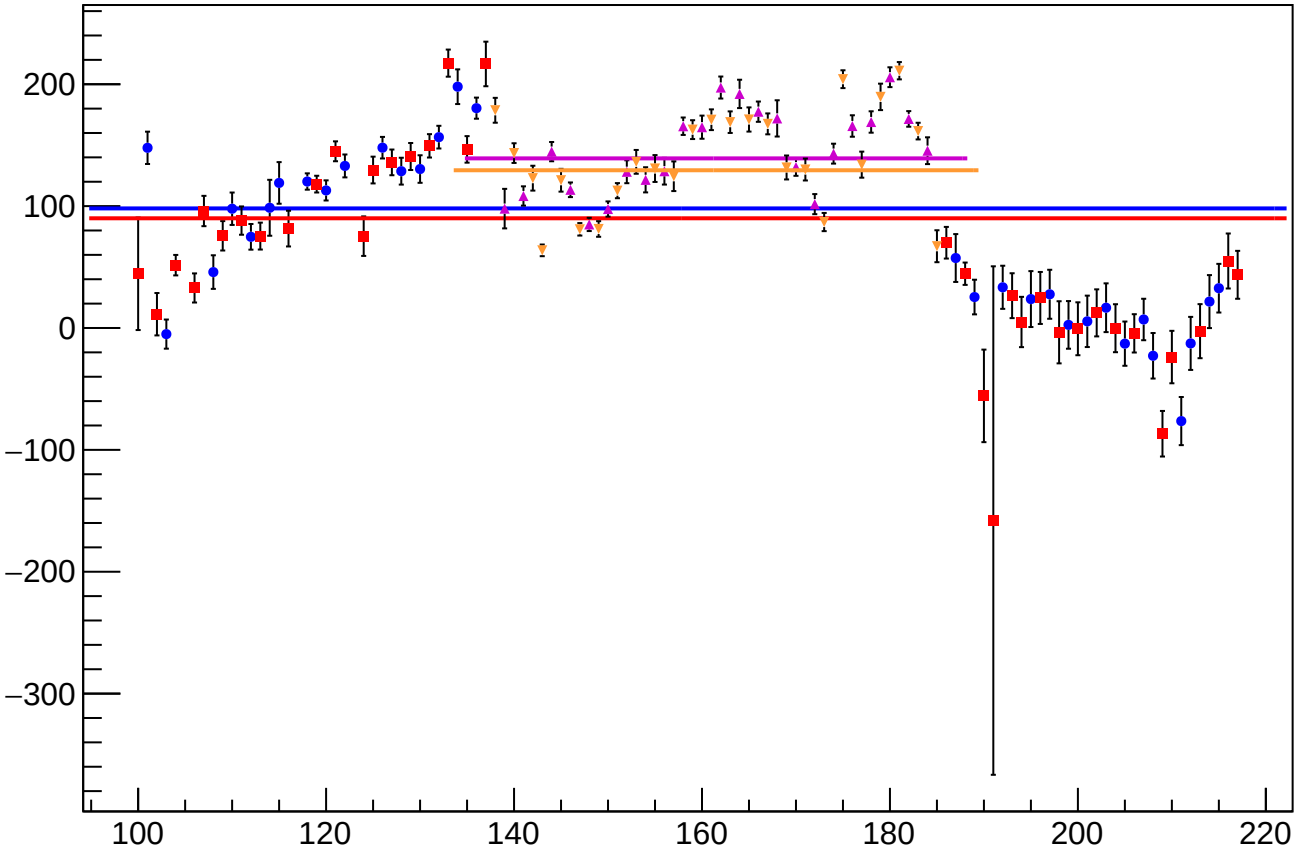
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.987+/-1.306 χ^2/NDF: 8850.2/55

All: 471.870+/-0.908 χ^2/NDF: 19883.8/114

- sign 482.958+/-1.262 χ^2/NDF: 10873.6/58

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 98.112+/-2.318 χ^2/NDF: 725.2/30

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 90.008+/-2.208 χ^2/NDF: 757.4/35

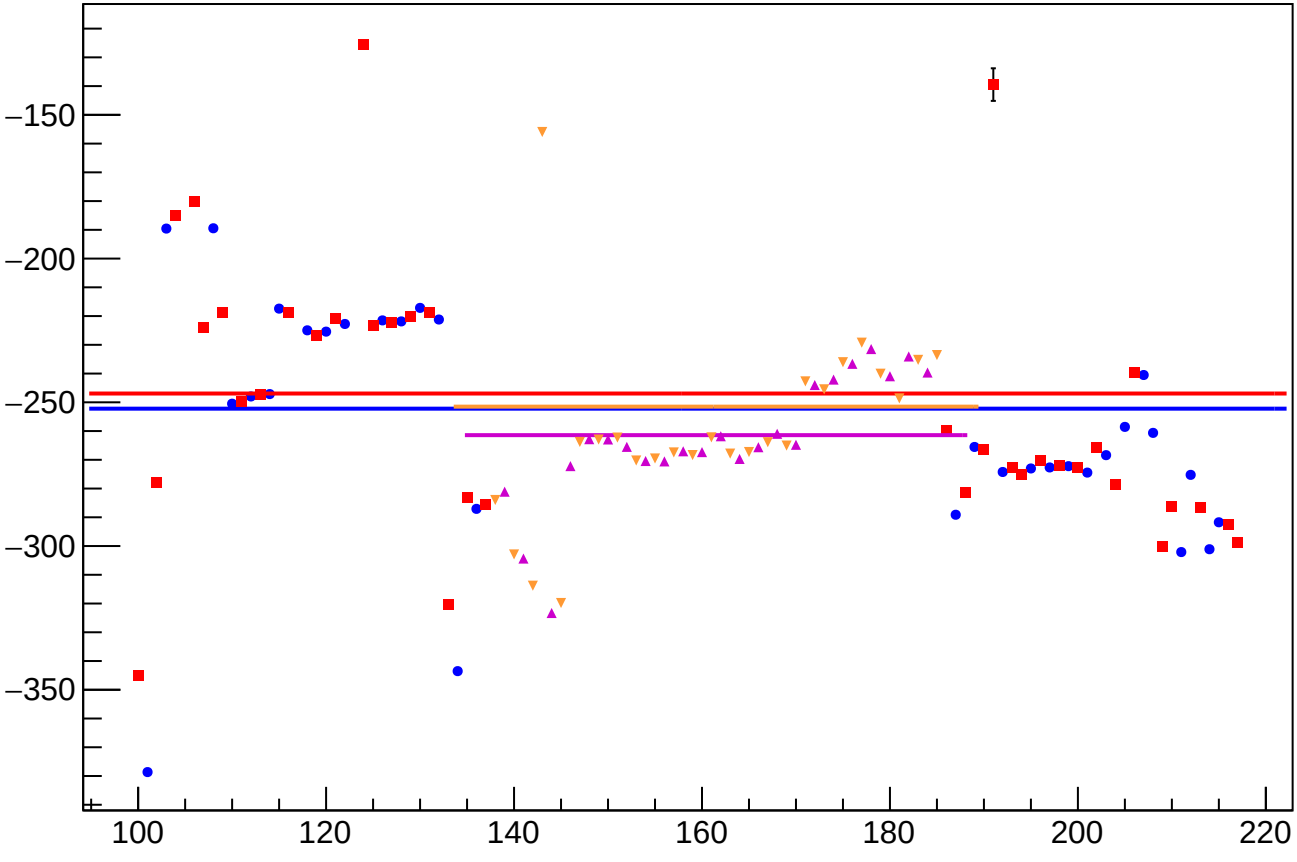
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 119.382+/-1.313 χ^2/NDF: 1663.3/55

All: 120.075+/-0.941 χ^2/NDF: 3165.9/114

- sign 120.808+/-1.350 χ^2/NDF: 1502.0/58

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -252.212+/-0.118 χ^2/NDF: 155389.4/30

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.942+/-0.114 χ^2/NDF: 122953.8/35

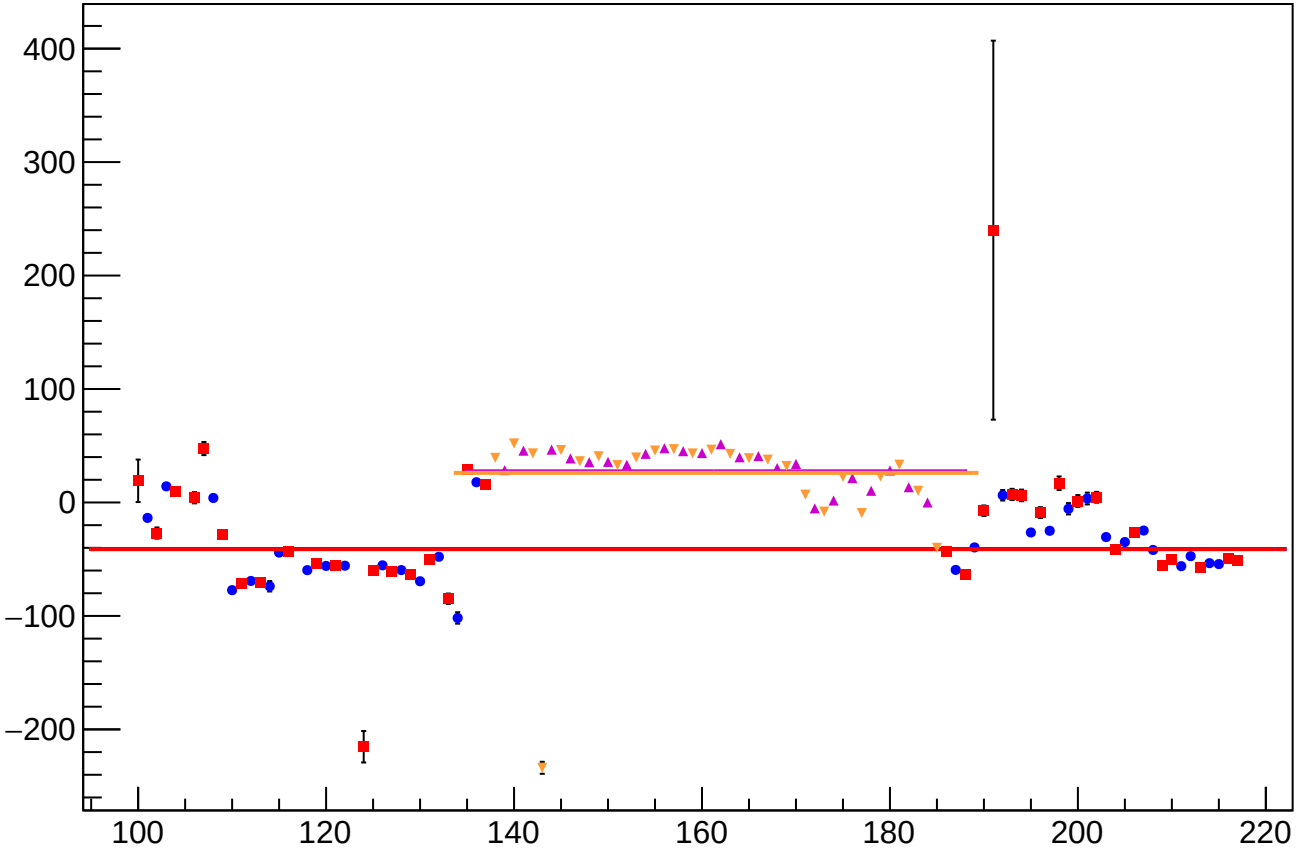
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.709+/-0.063 χ^2/NDF: 410339.2/55

All: -254.213+/-0.045 χ^2/NDF: 617072.6/114

- sign -256.816+/-0.064 χ^2/NDF: 203517.3/58

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.992+/-0.540 χ^2/NDF: 2841.9/30

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.156+/-0.492 χ^2/NDF: 3374.0/35

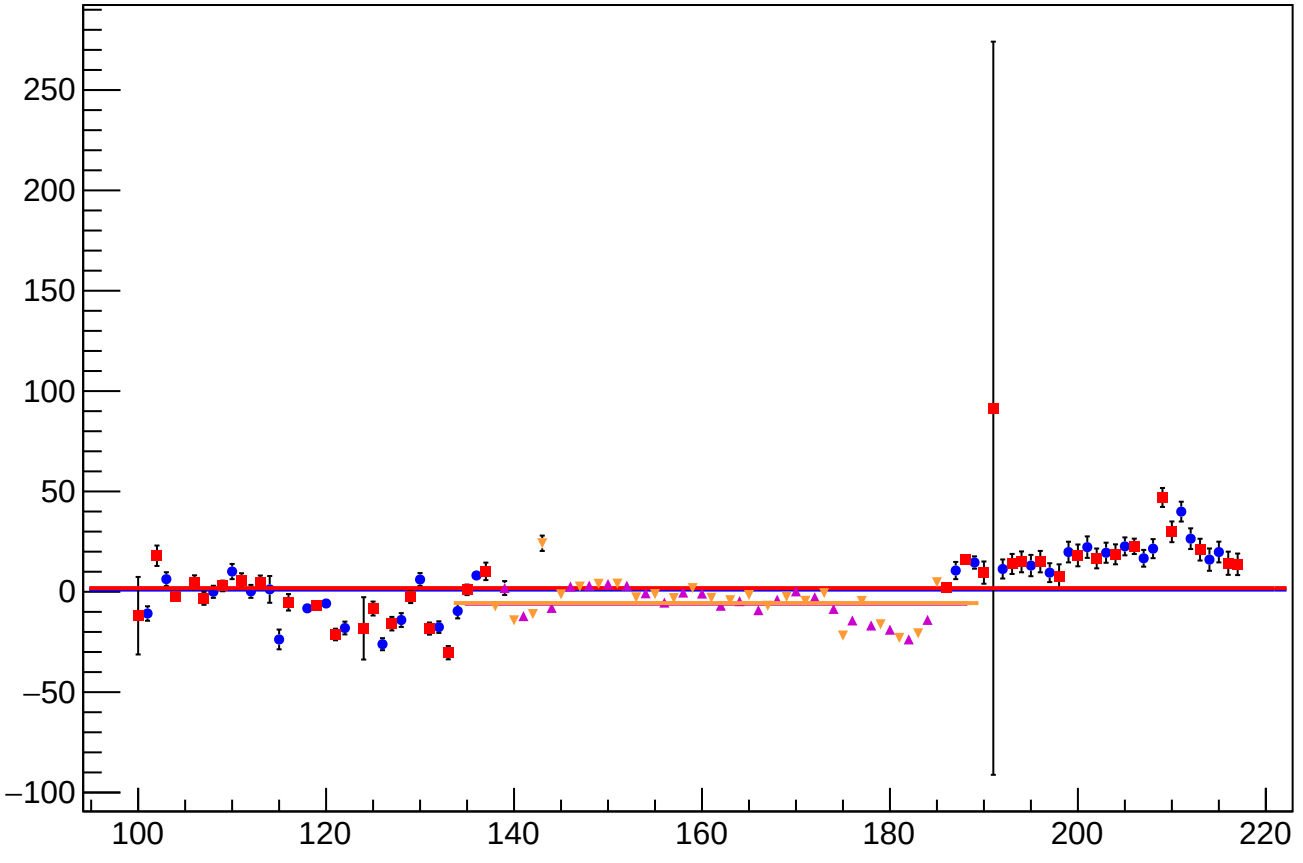
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 3.131+/-0.316 χ^2/NDF: 17767.1/55

All: 1.783+/-0.221 χ^2/NDF: 34598.1/114

- sign 0.500+/-0.308 χ^2/NDF: 16795.5/58

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.102+/-0.637 χ^2/NDF: 519.6/30

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.838+/-0.595 χ^2/NDF: 556.8/35

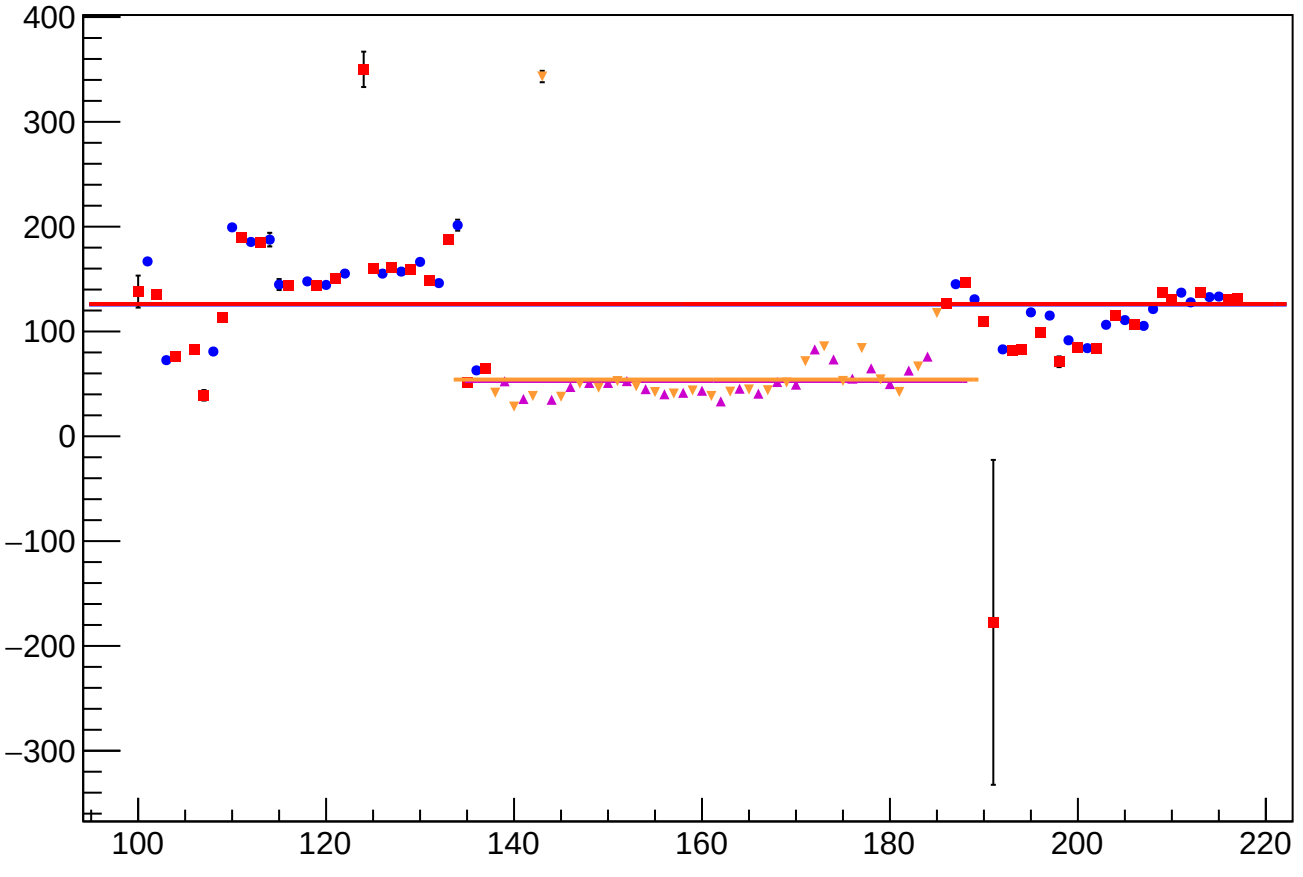
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -4.392+/-0.273 χ^2/NDF: 1503.9/55

All: -4.341+/-0.193 χ^2/NDF: 2907.5/114

\- sign -4.288+/-0.274 χ^2/NDF: 1403.5/58

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.753+/-0.558 χ^2/NDF: 4148.3/30

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.238+/-0.500 χ^2/NDF: 4459.9/35

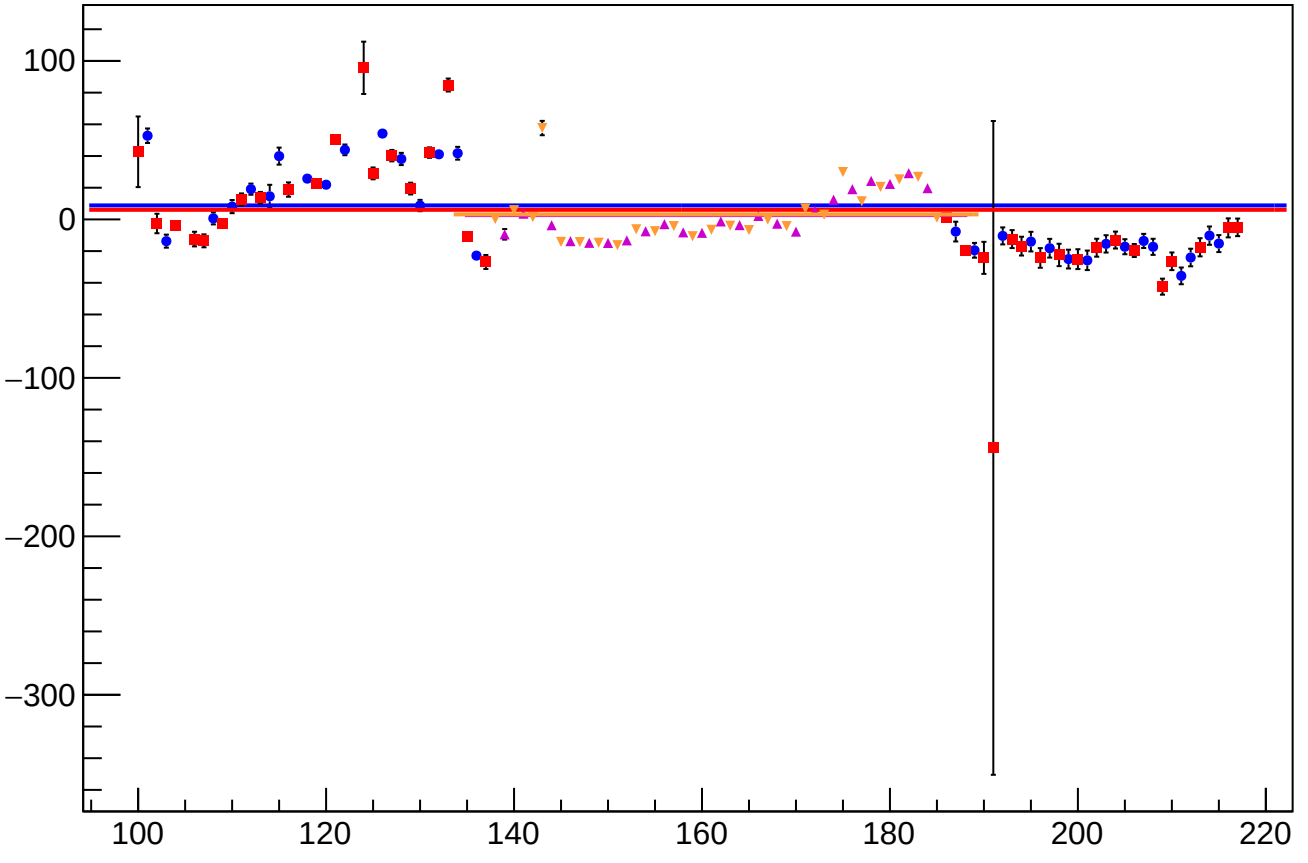
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 77.435+/-0.318 χ^2/NDF: 19873.7/55

All: 79.187+/-0.222 χ^2/NDF: 38731.3/114

- sign 80.837+/-0.309 χ^2/NDF: 18798.7/58

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.831+/-0.732 χ^2/NDF: 1392.5/30

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.056+/-0.701 χ^2/NDF: 1475.6/35

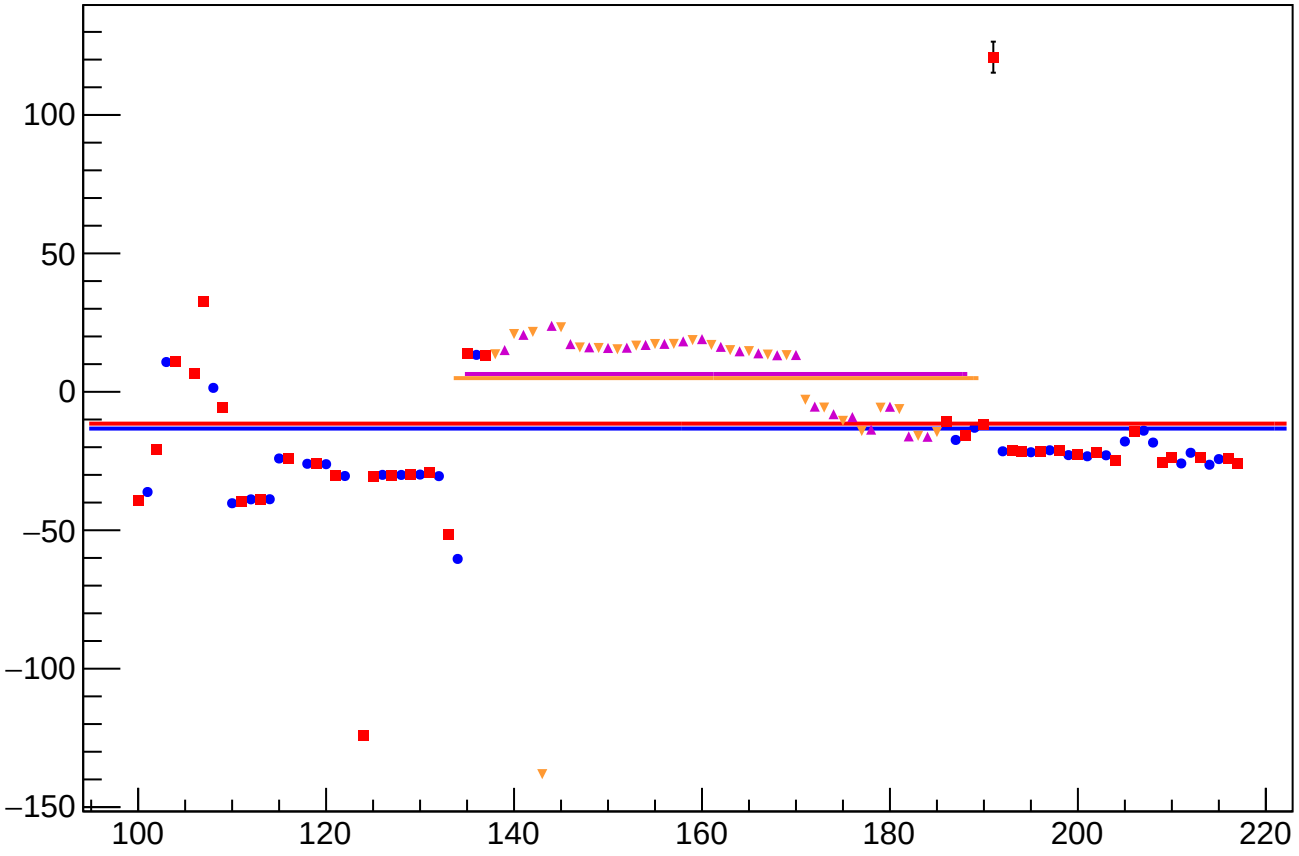
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 4.162+/-0.308 χ^2/NDF: 3454.4/55

All: 3.773+/-0.219 χ^2/NDF: 6686.6/114

\- sign 3.378+/-0.311 χ^2/NDF: 3228.9/58

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.277+/-0.035 χ^2/NDF: 303825.9/30

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.486+/-0.035 χ^2/NDF: 285881.5/35

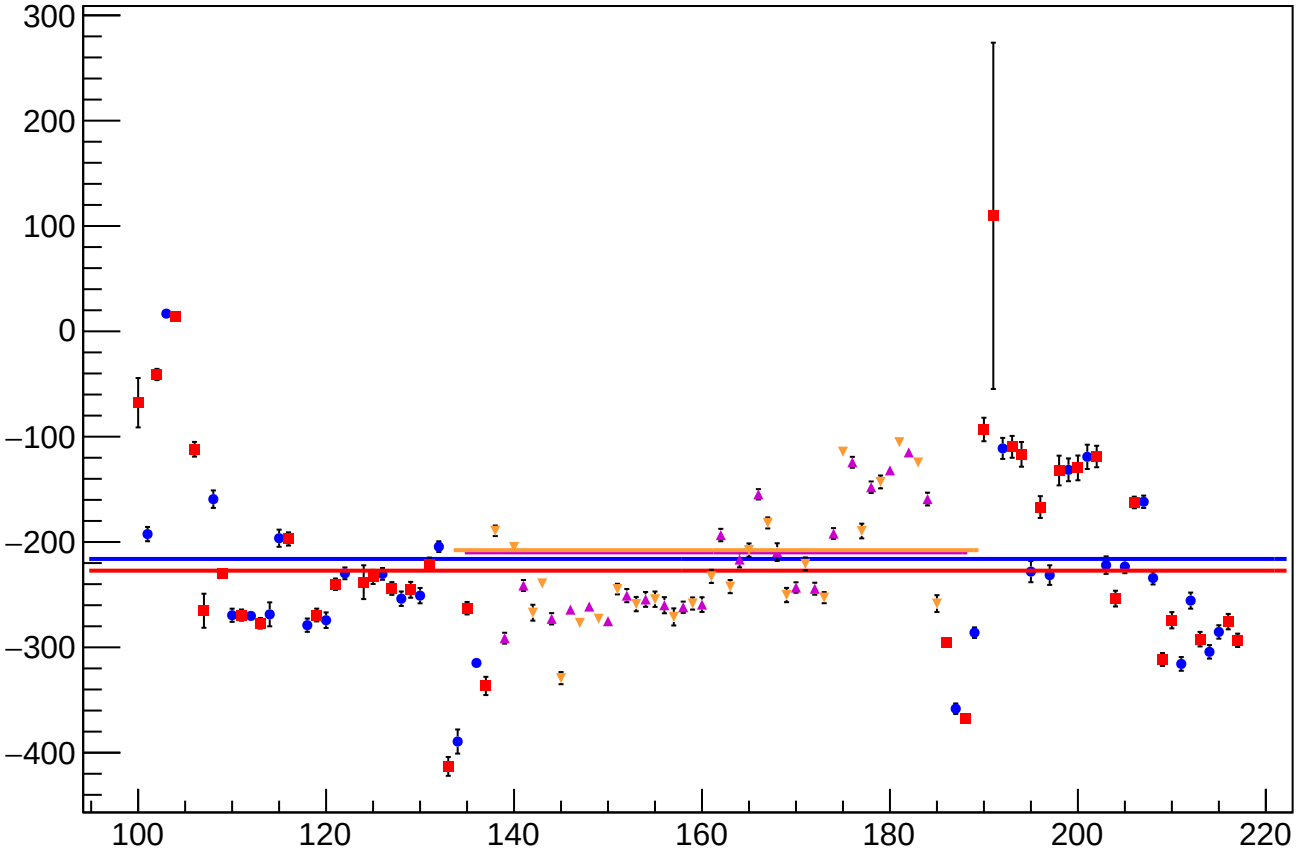
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.030+/-0.014 χ^2/NDF: 1669726.4/55

All: 2.763+/-0.010 χ^2/NDF: 2915028.3/114

- sign 3.503+/-0.014 χ^2/NDF: 1239759.0/58

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -216.060+/-1.111 χ^2/NDF: 9448.1/30

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.184+/-1.026 χ^2/NDF: 12824.2/35

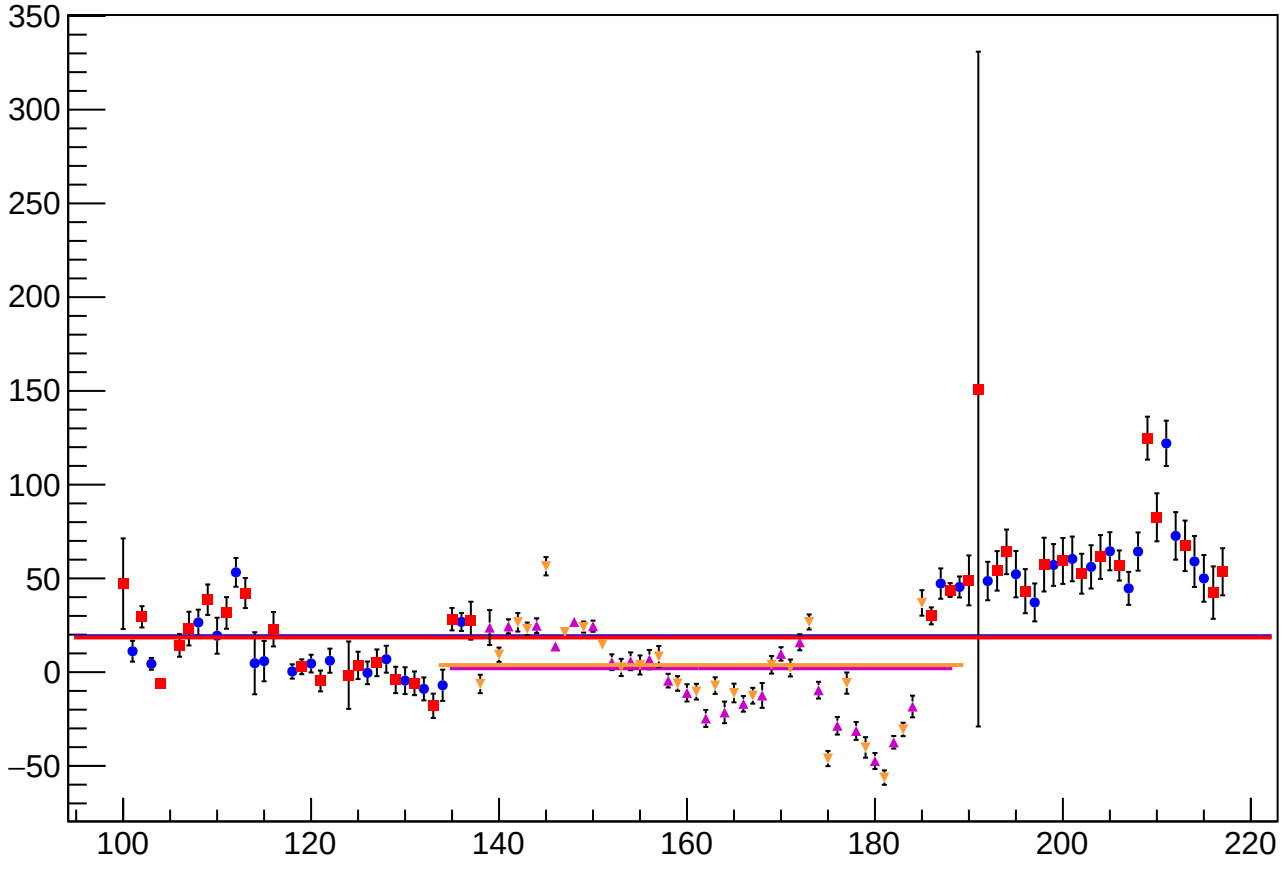
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -211.744+/-0.771 χ^2/NDF: 12964.4/55

All: -215.543+/-0.538 χ^2/NDF: 28980.1/114

- sign -219.145+/-0.750 χ^2/NDF: 15968.4/58

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.155+/-1.254 χ^2/NDF: 381.8/30

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.511+/-1.140 χ^2/NDF: 518.9/35

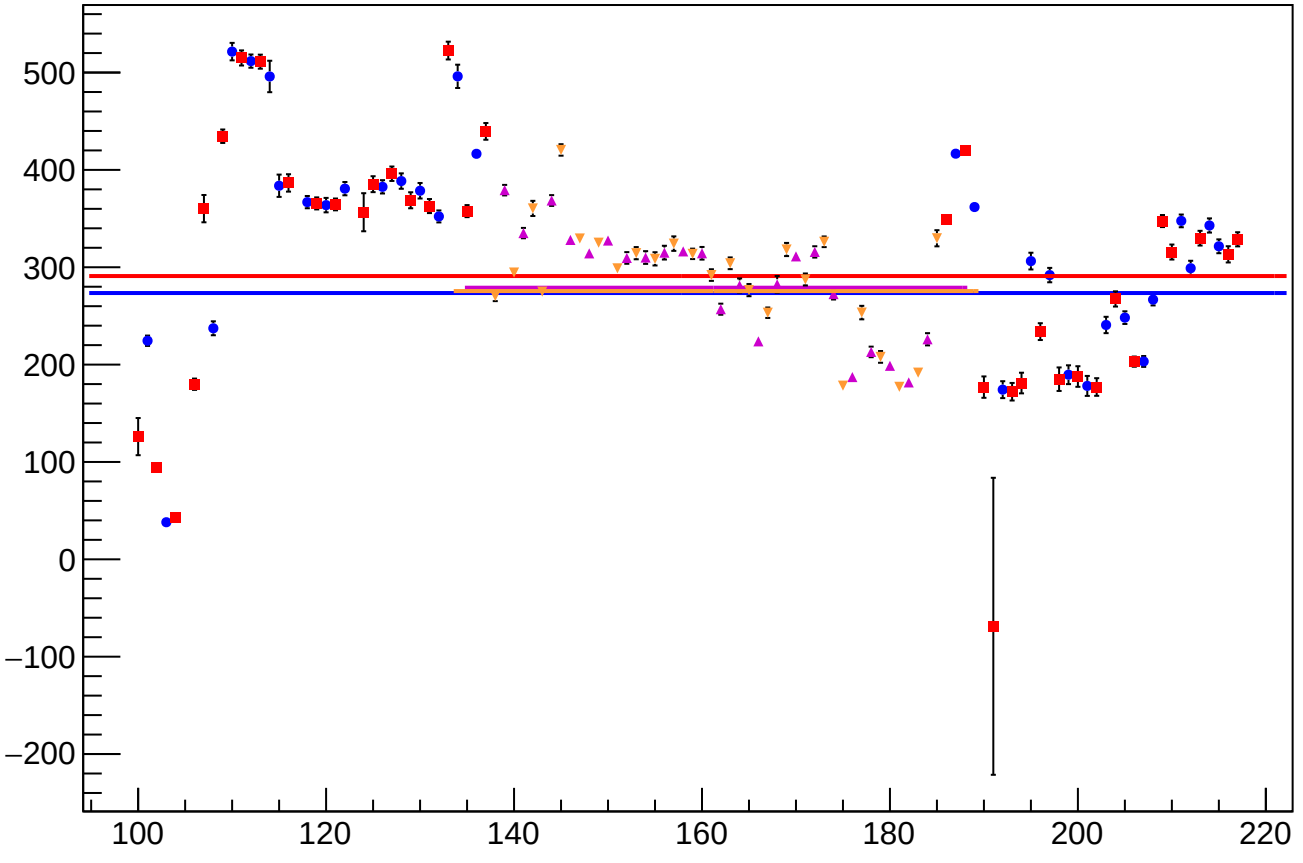
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.120+/-0.667 χ^2/NDF: 1462.0/55

All: 7.900+/-0.471 χ^2/NDF: 2888.2/114

- sign 7.681+/-0.666 χ^2/NDF: 1426.0/58

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 273.519+/-1.082 χ^2/NDF: 18048.5/30

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.965+/-0.974 χ^2/NDF: 22326.2/35

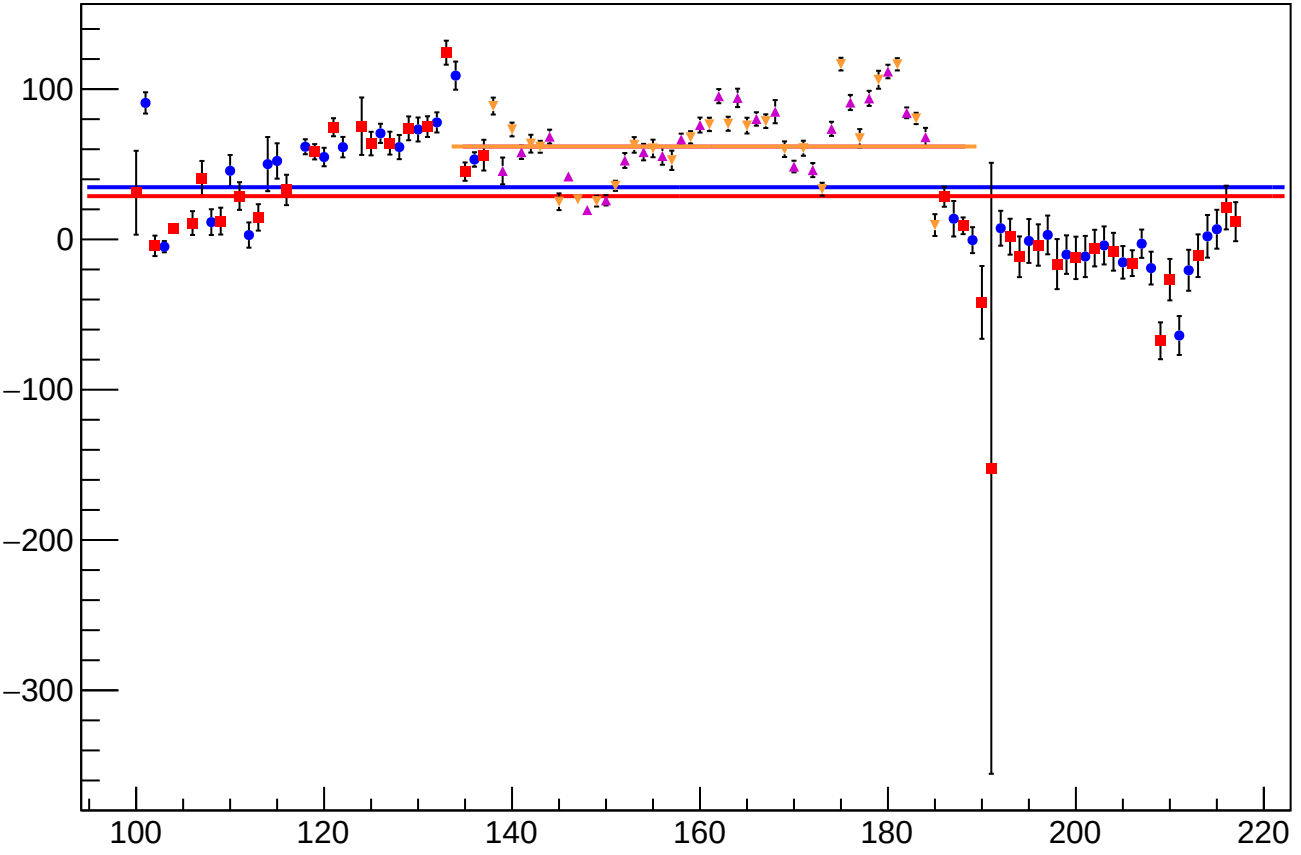
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.546+/-0.758 χ^2/NDF: 21373.4/55

All: 280.336+/-0.524 χ^2/NDF: 46993.4/114

- sign 285.645+/-0.726 χ^2/NDF: 25508.1/58

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.724+/-1.464 χ^2/NDF: 657.2/30

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.777+/-1.374 χ^2/NDF: 646.7/35

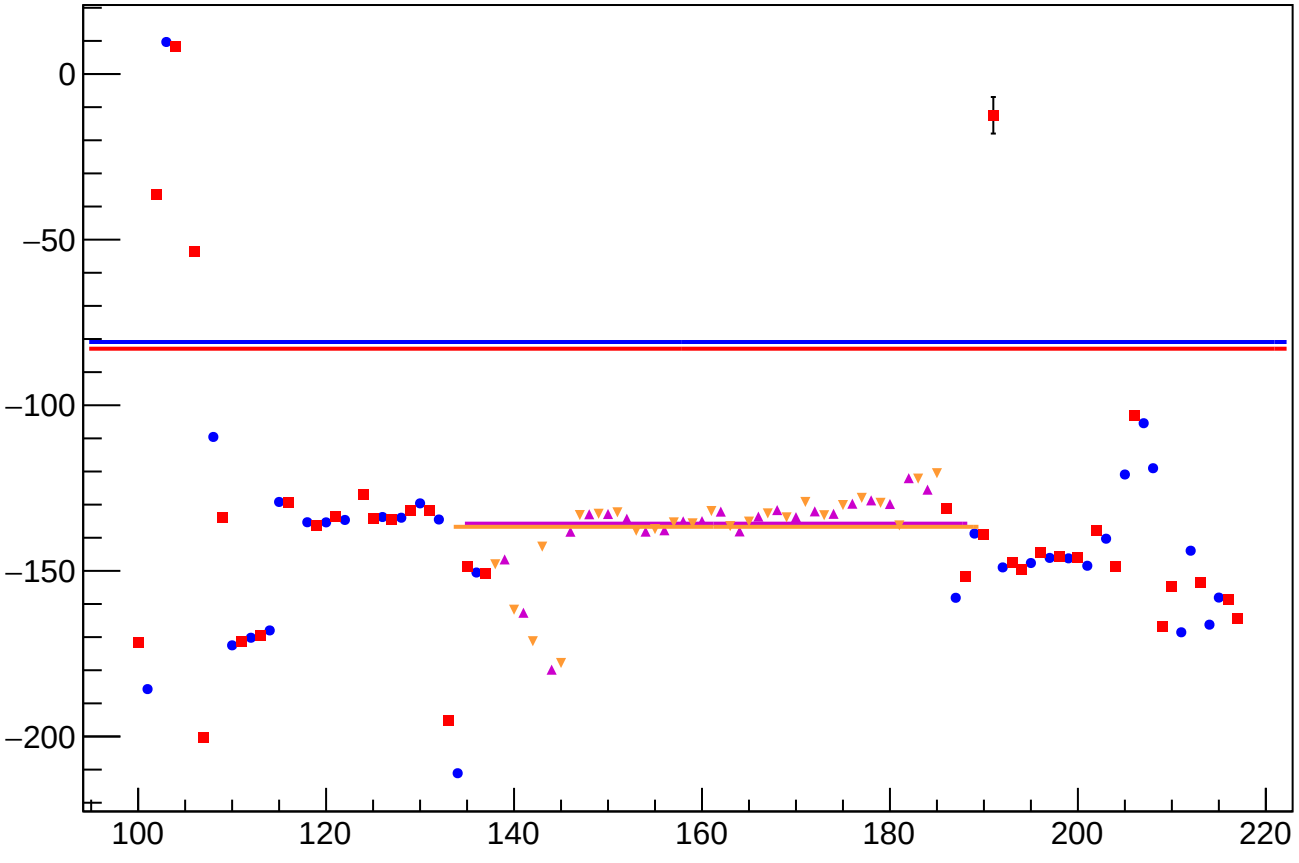
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 54.298+/-0.771 χ^2/NDF: 1864.0/55

All: 52.790+/-0.547 χ^2/NDF: 3647.4/114

- sign 51.267+/-0.775 χ^2/NDF: 1775.7/58

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -80.901+/-0.062 χ^2/NDF: 1583092.0/30

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -82.925+/-0.062 χ^2/NDF: 1282615.0/35

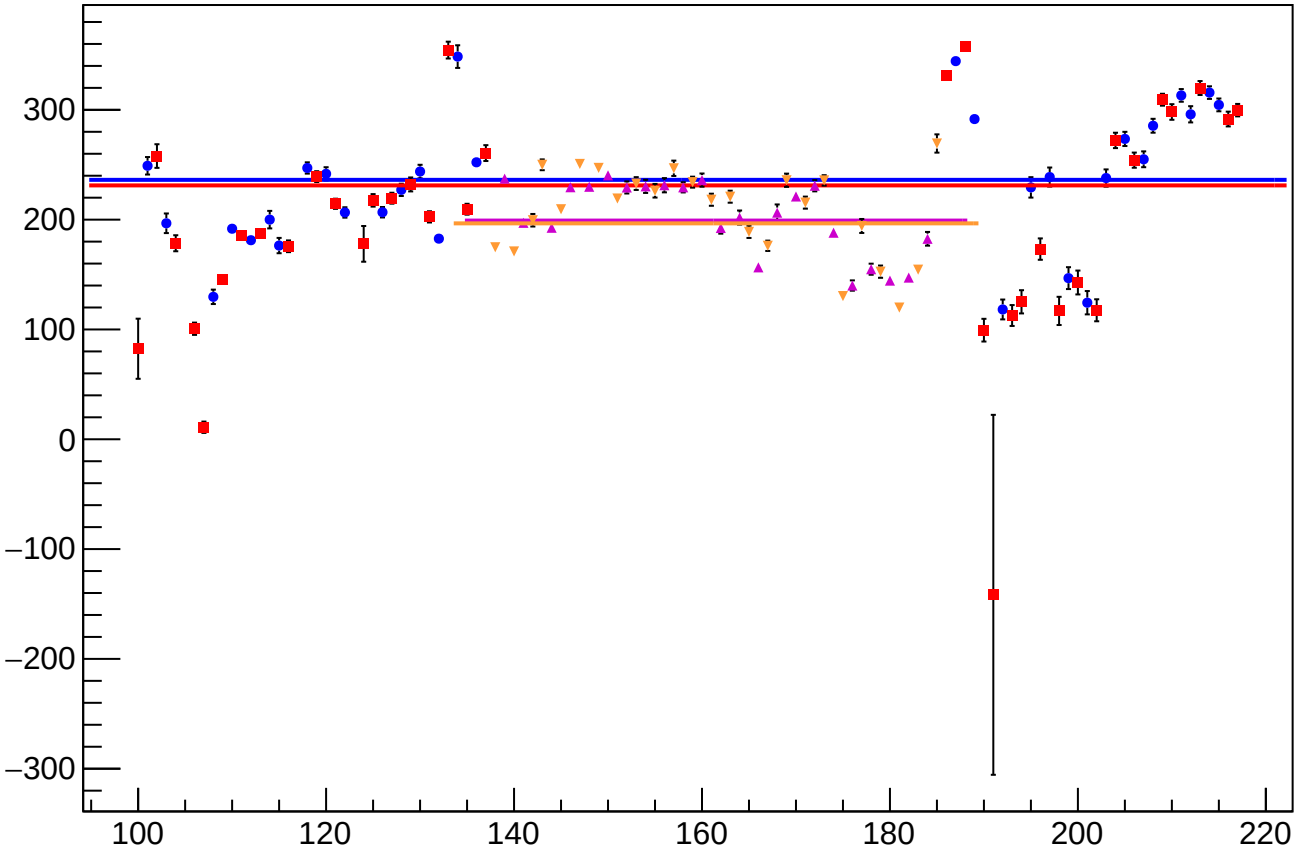
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.984+/-0.035 χ^2/NDF: 2215748.9/55

All: -118.862+/-0.025 χ^2/NDF: 4052385.0/11

- sign -118.737+/-0.035 χ^2/NDF: 1836611.4/58

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 236.246+/-1.031 χ^2/NDF: 2913.8/30

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 231.184+/-0.921 χ^2/NDF: 8972.0/35

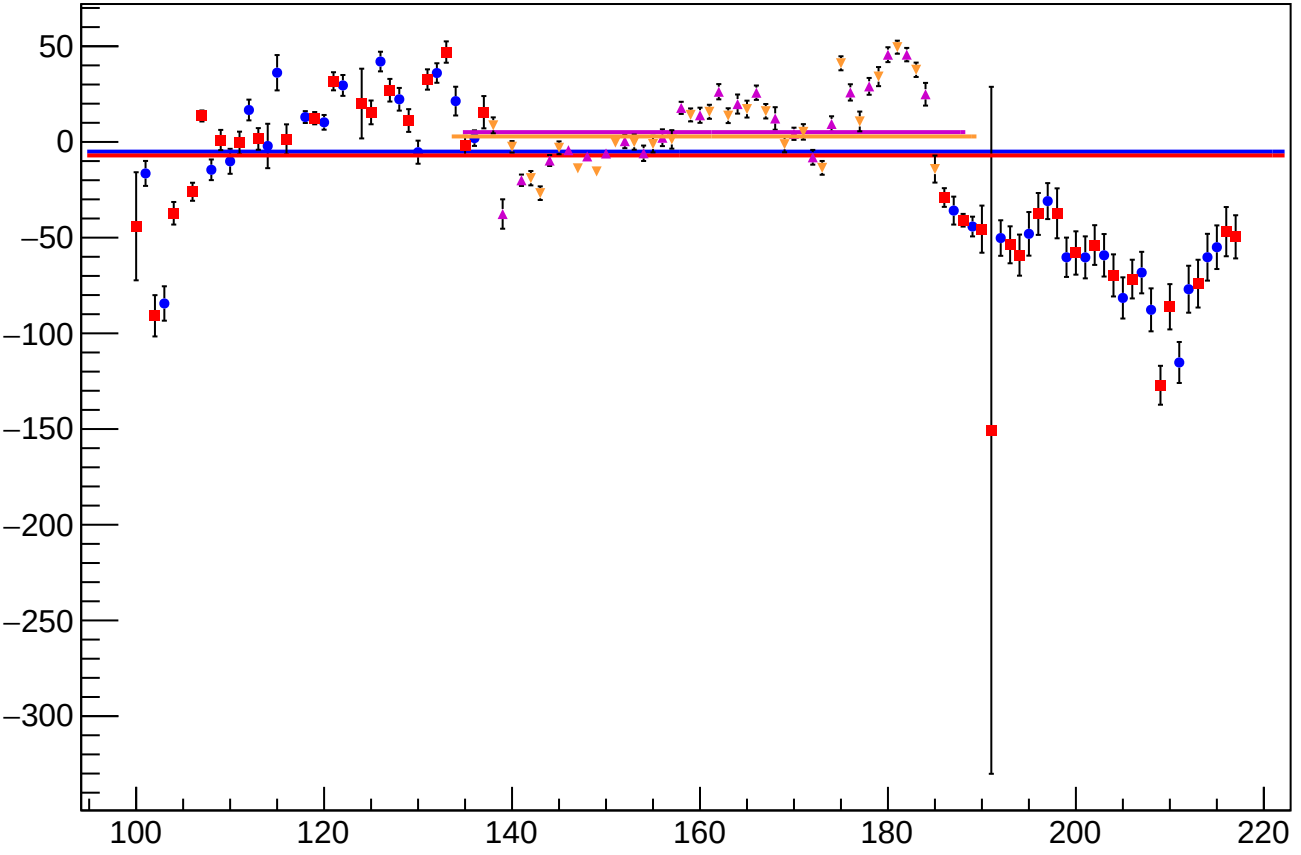
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 214.738+/-0.697 χ^2/NDF: 5791.3/55

All: 215.414+/-0.483 χ^2/NDF: 16631.1/114

\- sign 216.036+/-0.669 χ^2/NDF: 10838.1/58

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.056+/-1.170 χ^2/NDF: 913.7/30

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.054+/-1.047 χ^2/NDF: 1029.0/35

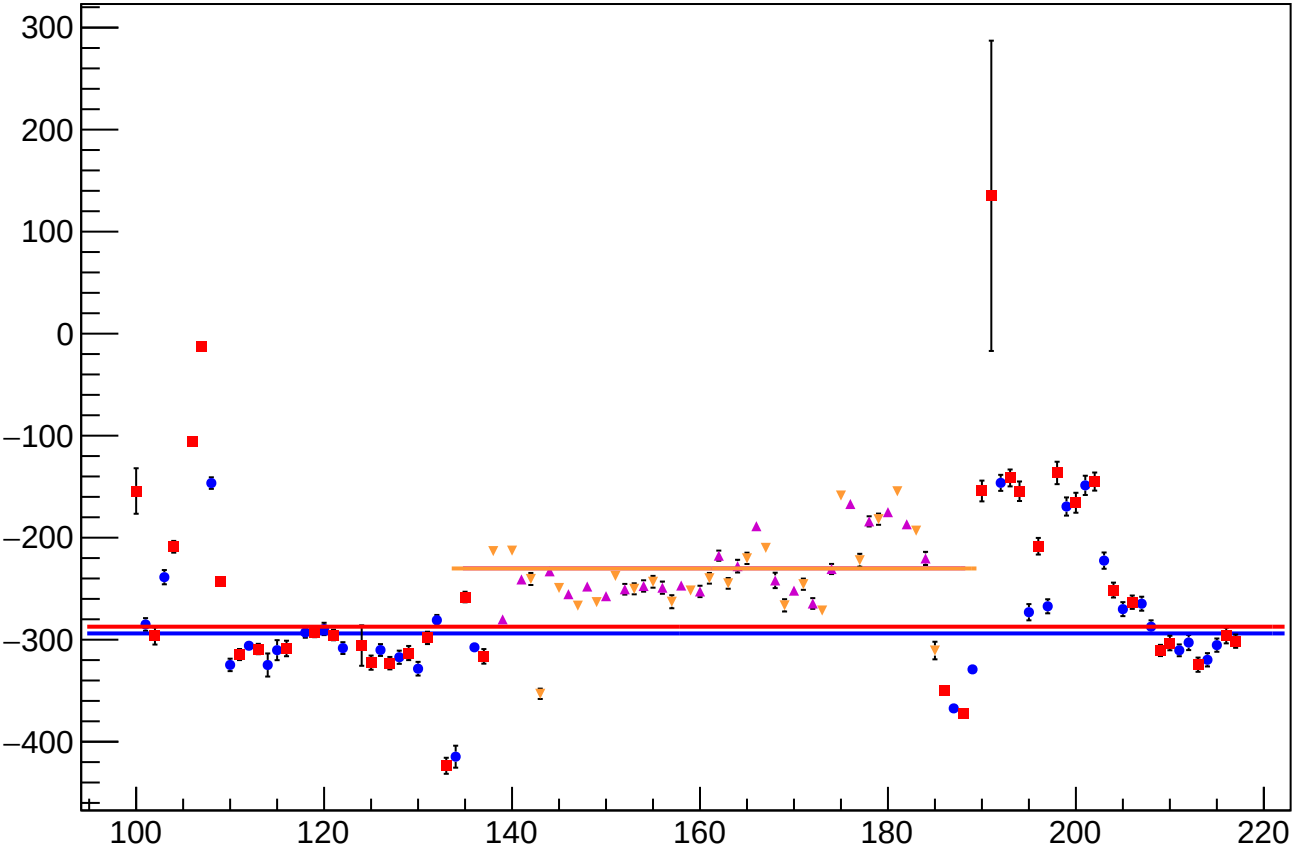
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 0.811+/-0.596 χ^2/NDF: 1700.5/55

All: 1.023+/-0.420 χ^2/NDF: 3450.3/114

- sign 1.231+/-0.592 χ^2/NDF: 1749.6/58

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.861+/-1.077 χ^2/NDF: 2410.6/30

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.255+/-0.935 χ^2/NDF: 9981.1/35

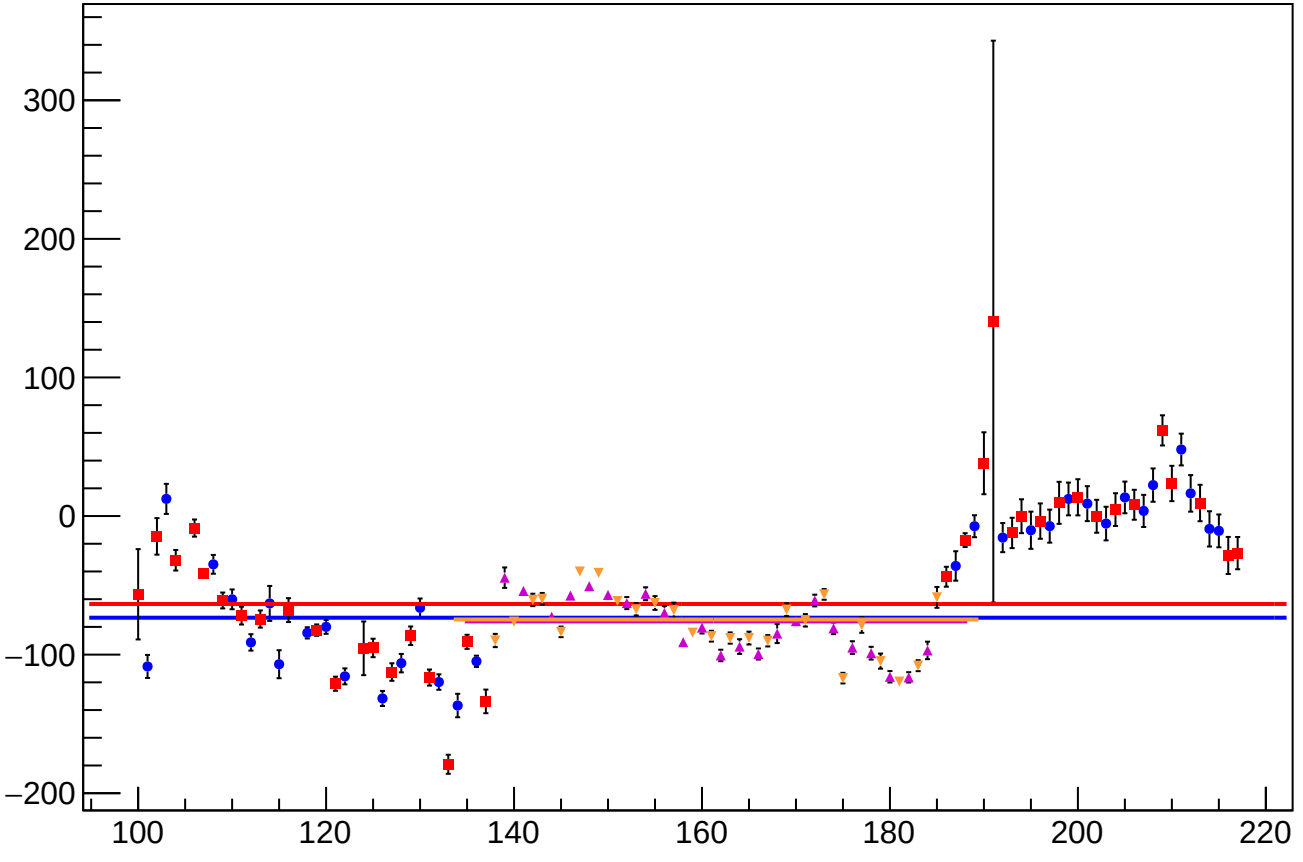
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -257.682+/-0.708 χ^2/NDF: 6578.6/55

All: -258.601+/-0.487 χ^2/NDF: 19476.8/114

- sign -259.425+/-0.670 χ^2/NDF: 12895.0/58

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -73.365+/-1.361 χ^2/NDF: 1193.2/30

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.462+/-1.248 χ^2/NDF: 1434.7/35

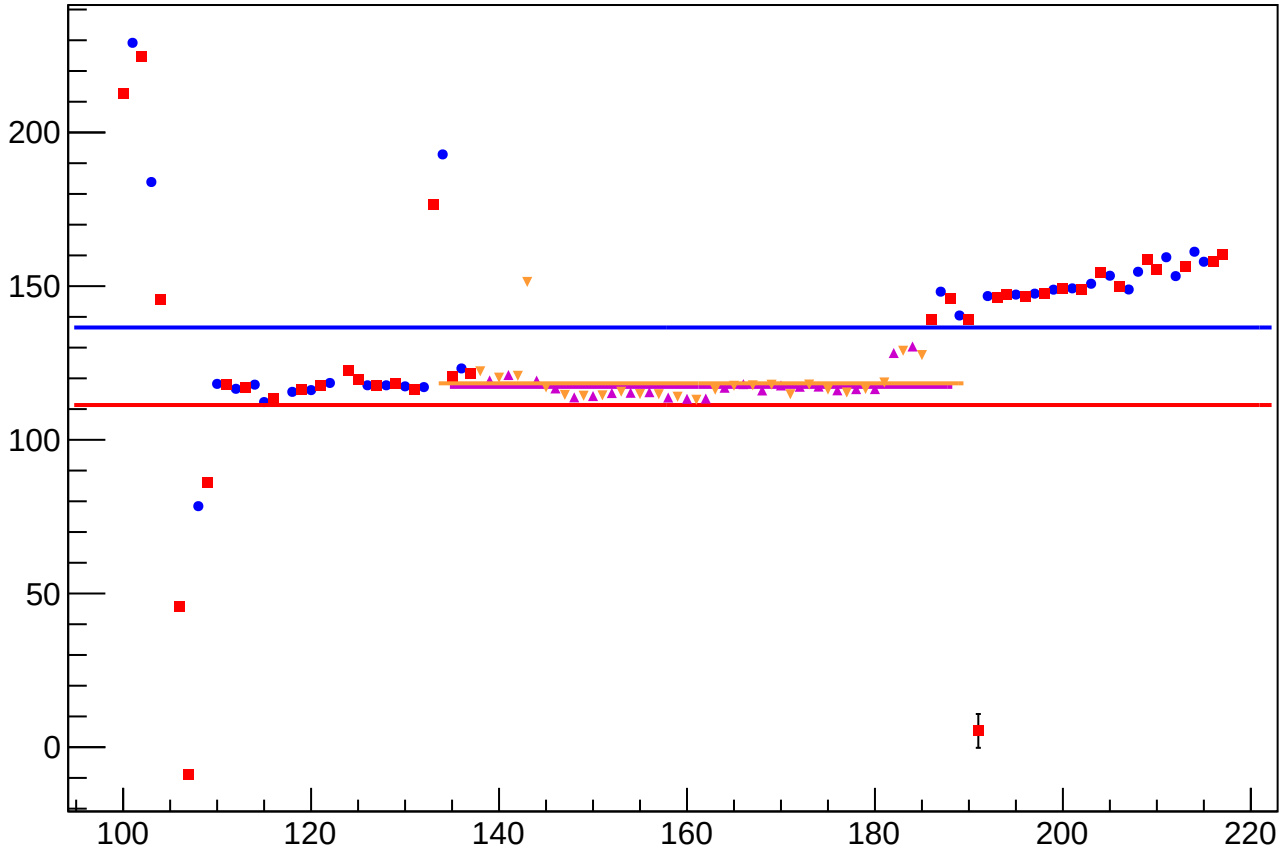
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

\+ sign -74.315+/-0.690 χ^2/NDF: 2024.9/55

All: -73.259+/-0.487 χ^2/NDF: 4180.8/114

\- sign -72.210+/-0.688 χ^2/NDF: 2151.3/58

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.551+/-0.070 χ^2/NDF: 205831.0/30

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.323+/-0.064 χ^2/NDF: 790577.4/35

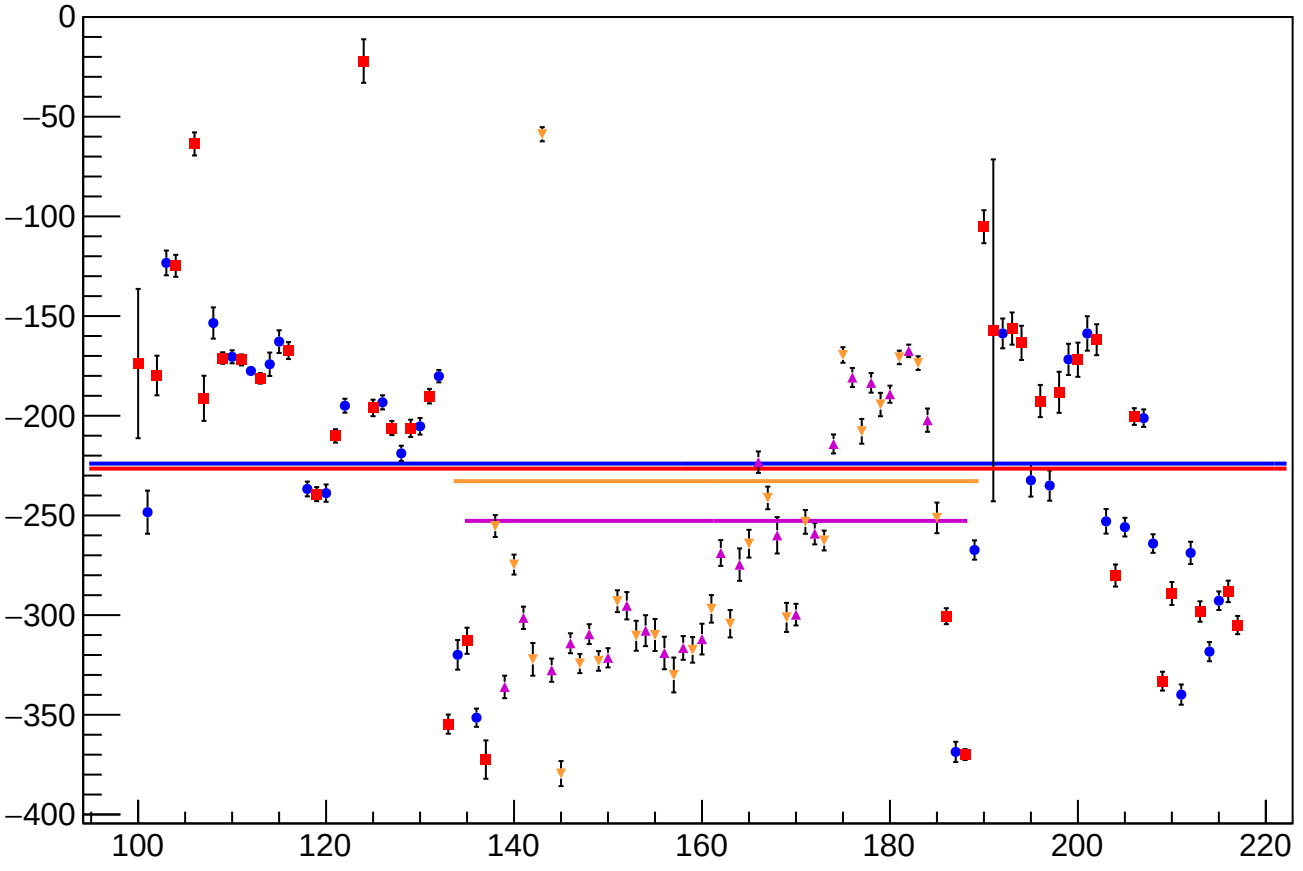
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.355+/-0.033 χ^2/NDF: 292716.0/55

All: 118.975+/-0.023 χ^2/NDF: 1120563.5/114

- sign 115.706+/-0.032 χ^2/NDF: 807148.0/58

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -224.002+/-0.832 χ^2/NDF: 4931.7/30

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -226.520+/-0.783 χ^2/NDF: 9086.4/35

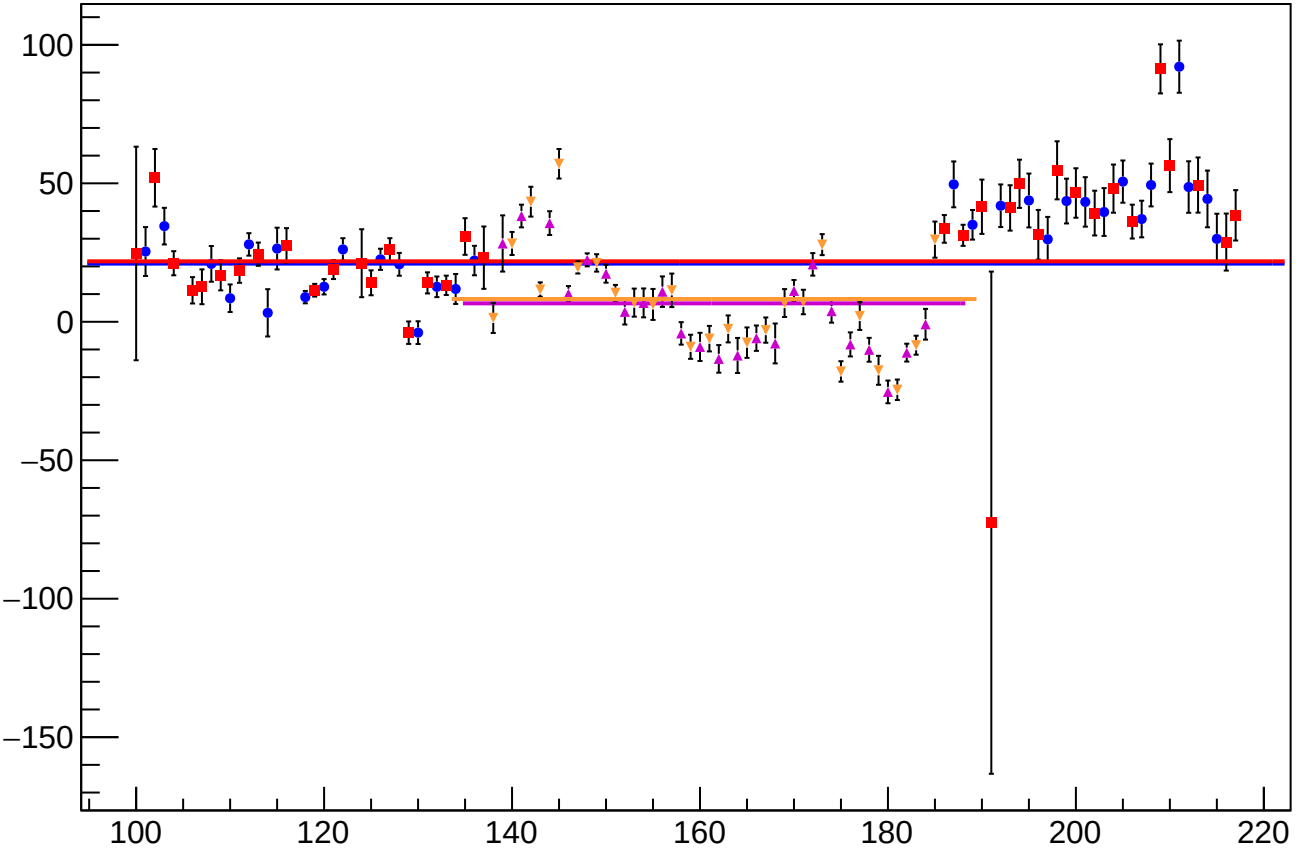
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -227.309+/-0.657 χ^2/NDF: 10737.7/55

All: -231.241+/-0.460 χ^2/NDF: 23171.6/114

- sign -235.010+/-0.643 χ^2/NDF: 12363.8/58

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.013+/-0.934 χ^2/NDF: 261.6/30

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.834+/-0.904 χ^2/NDF: 252.4/35

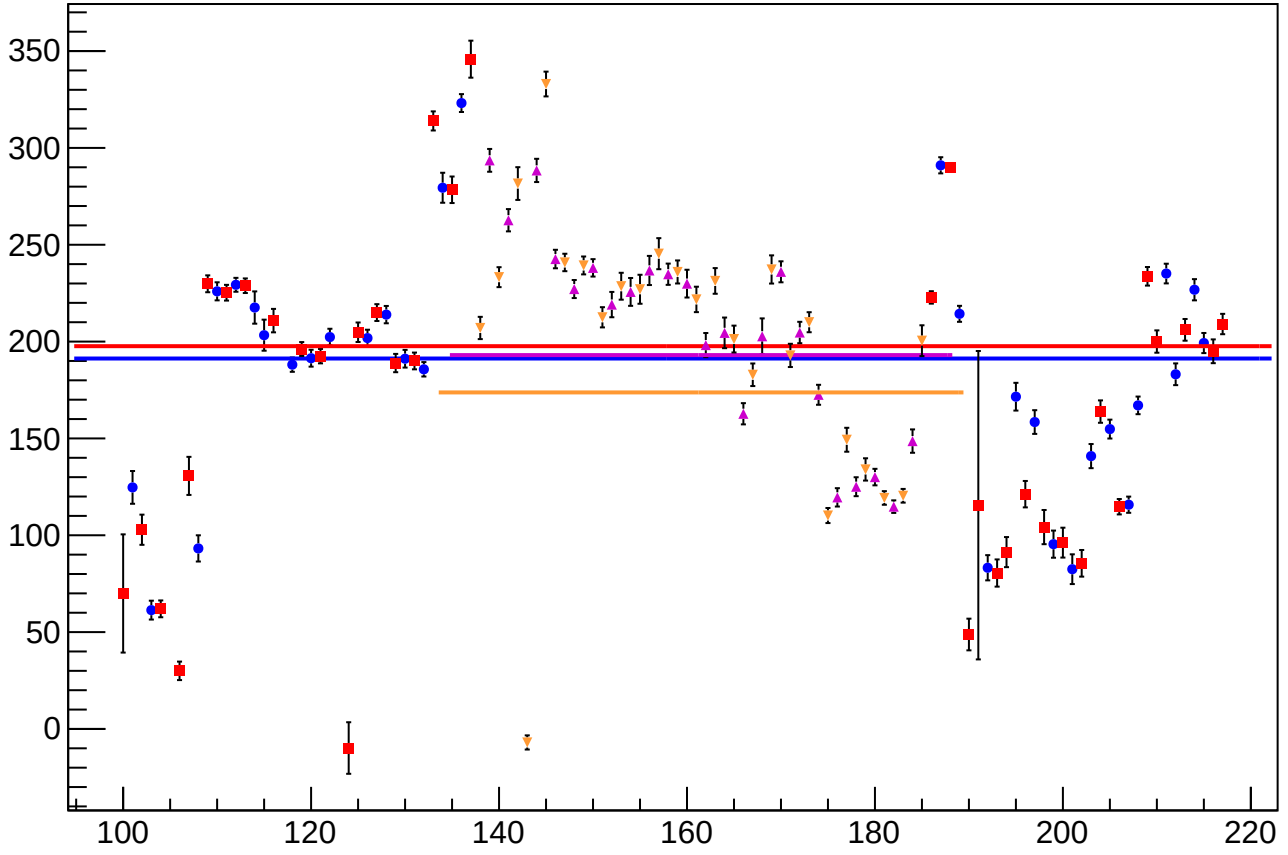
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

\+ sign 13.657+/-0.609 χ^2/NDF: 827.4/55

All: 13.750+/-0.435 χ^2/NDF: 1582.8/114

\- sign 13.848+/-0.623 χ^2/NDF: 755.4/58

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.259+/-0.899 χ^2/NDF: 4050.2/30

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.632+/-0.832 χ^2/NDF: 7617.0/35

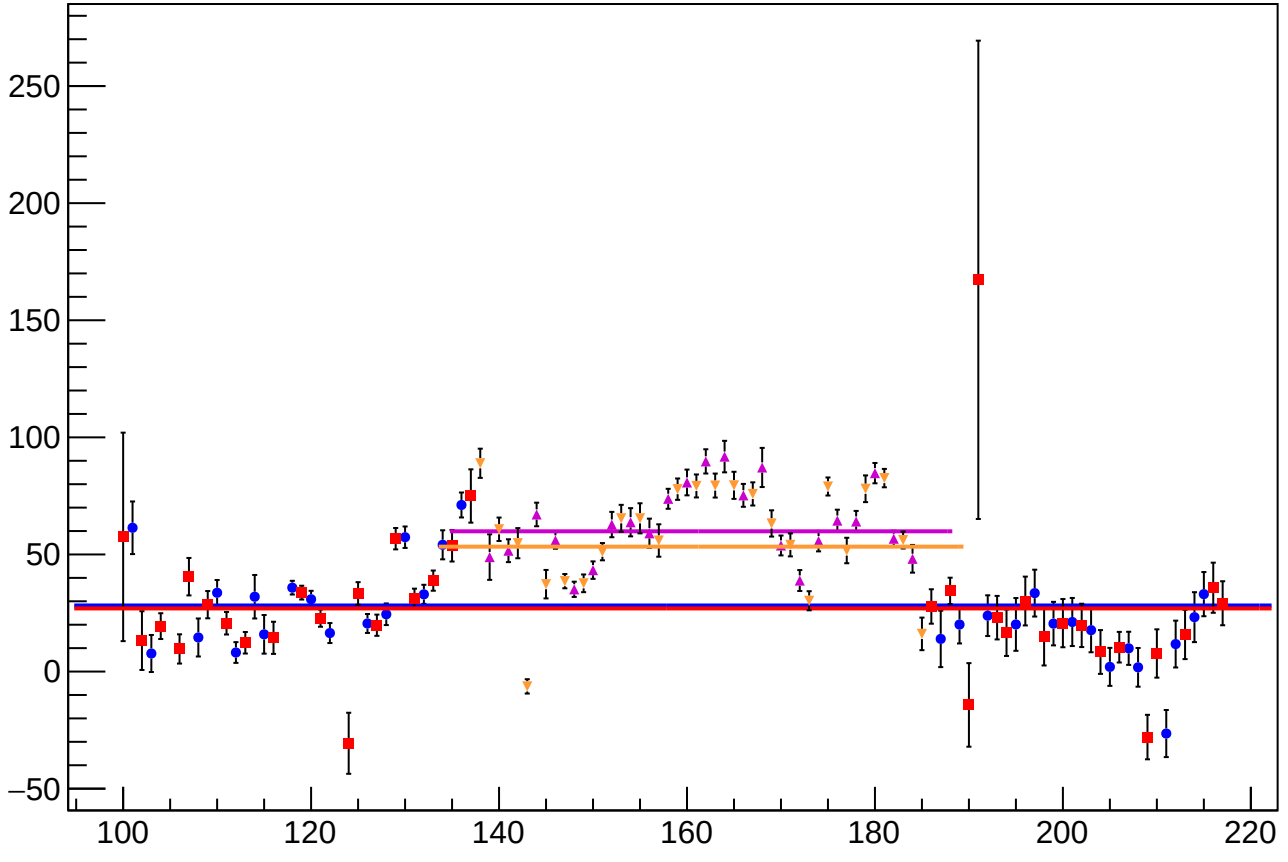
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 184.001+/-0.688 χ^2/NDF: 9468.1/55

All: 190.173+/-0.479 χ^2/NDF: 19764.4/114

\- sign 195.997+/-0.668 χ^2/NDF: 10139.9/58

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.214+/-1.084 χ^2/NDF: 251.6/30

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.953+/-1.057 χ^2/NDF: 206.1/35

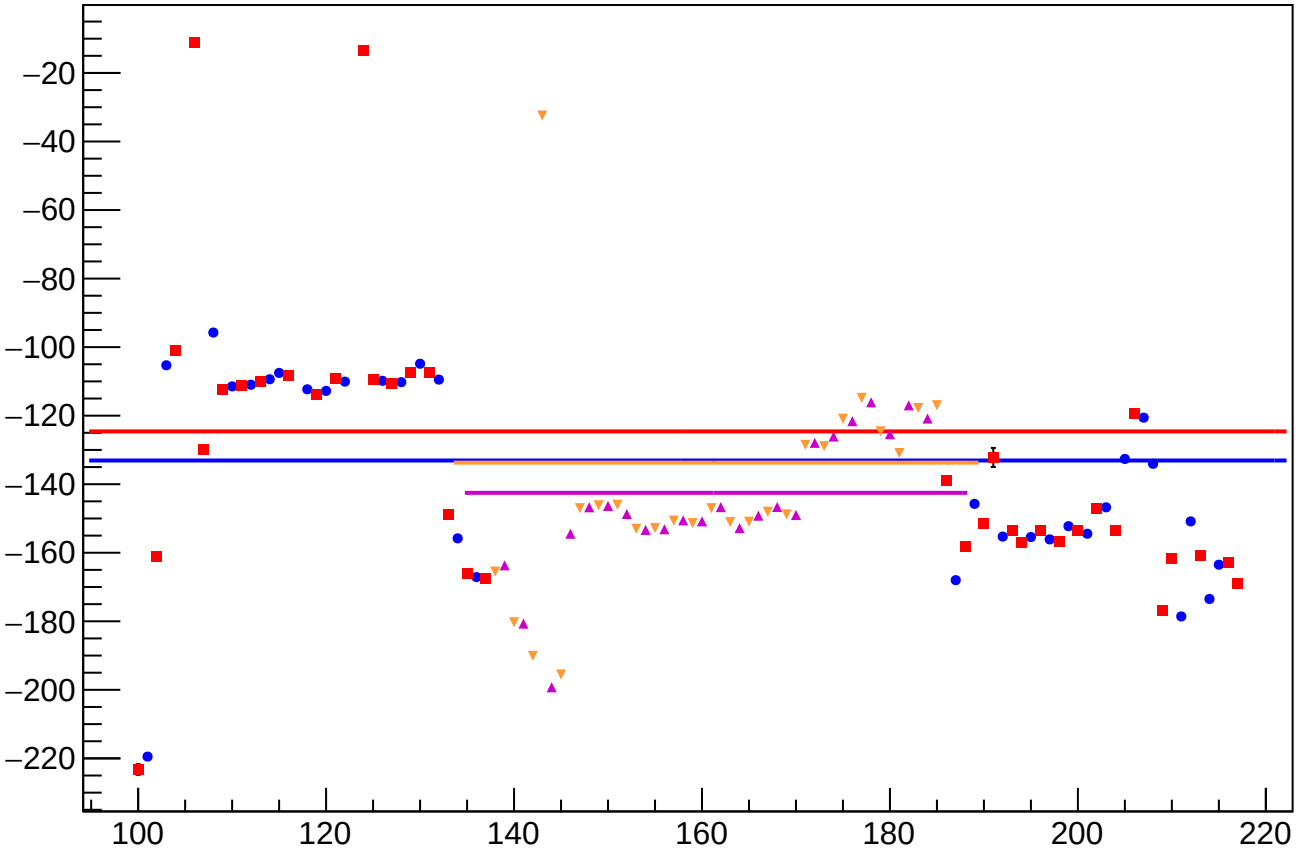
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 42.792+/-0.702 χ^2/NDF: 1342.1/55

All: 43.734+/-0.502 χ^2/NDF: 2326.6/114

- sign 44.717+/-0.717 χ^2/NDF: 980.9/58

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.083+/-0.059 χ^2/NDF: 195249.0/30

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.595+/-0.057 χ^2/NDF: 533116.5/35

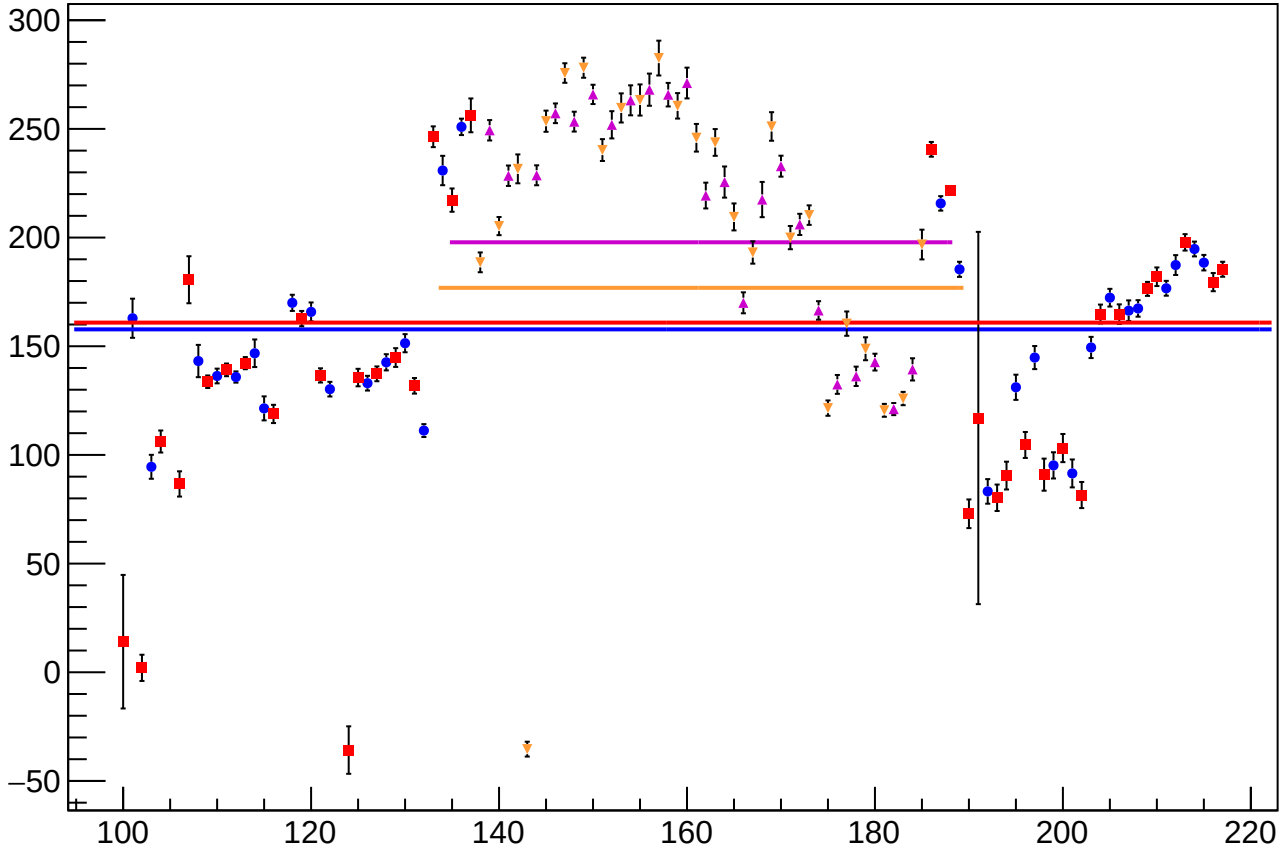
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.495+/-0.035 χ^2/NDF: 871247.6/55

All: -134.613+/-0.025 χ^2/NDF: 1646431.7/11

- sign -135.749+/-0.035 χ^2/NDF: 773098.8/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 157.762+/-0.740 χ^2/NDF: 2489.2/30

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 160.876+/-0.686 χ^2/NDF: 5256.0/35

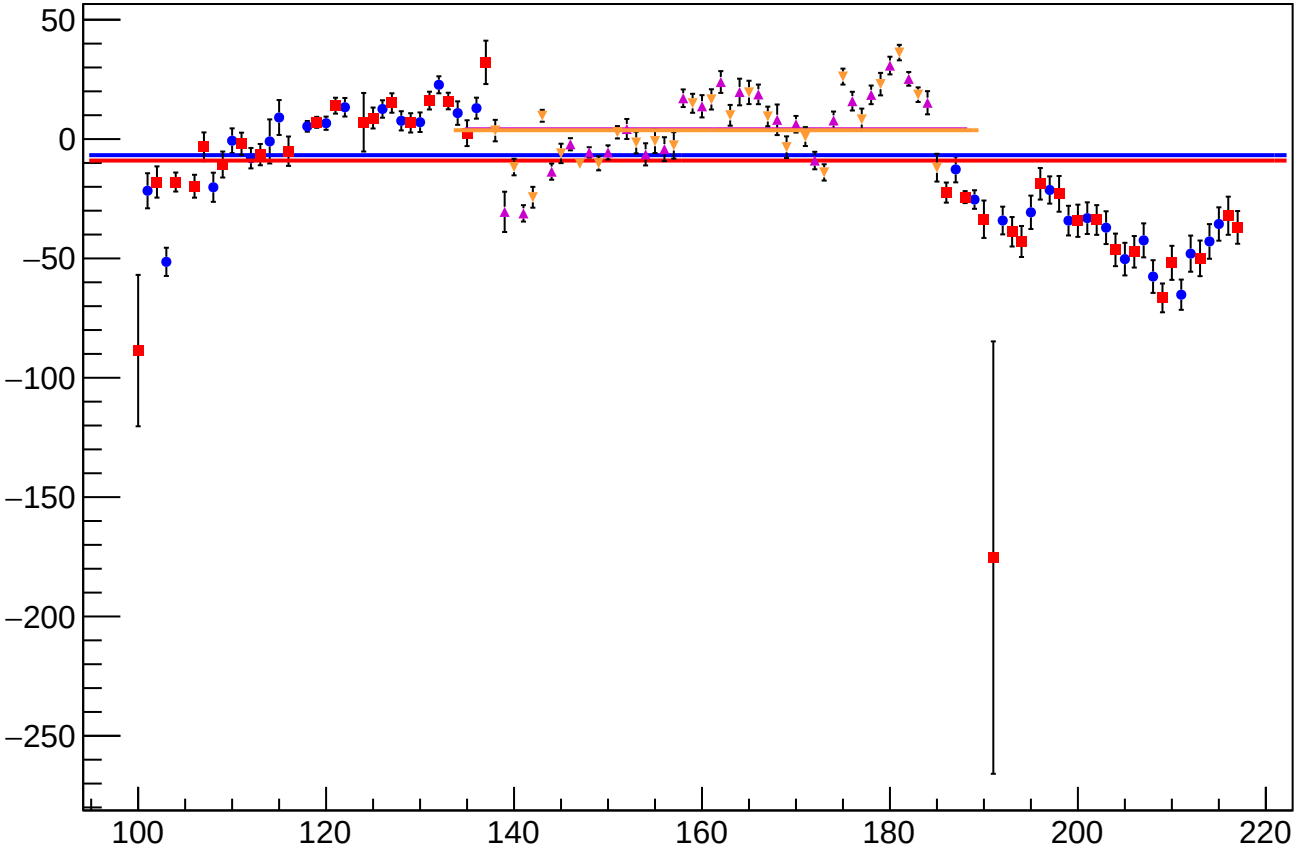
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.906+/-0.585 χ^2/NDF: 10163.7/55

All: 168.880+/-0.407 χ^2/NDF: 19397.7/114

- sign 172.608+/-0.567 χ^2/NDF: 9144.7/58

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.740+/-0.859 χ^2/NDF: 701.6/30

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -8.999+/-0.818 χ^2/NDF: 702.0/35

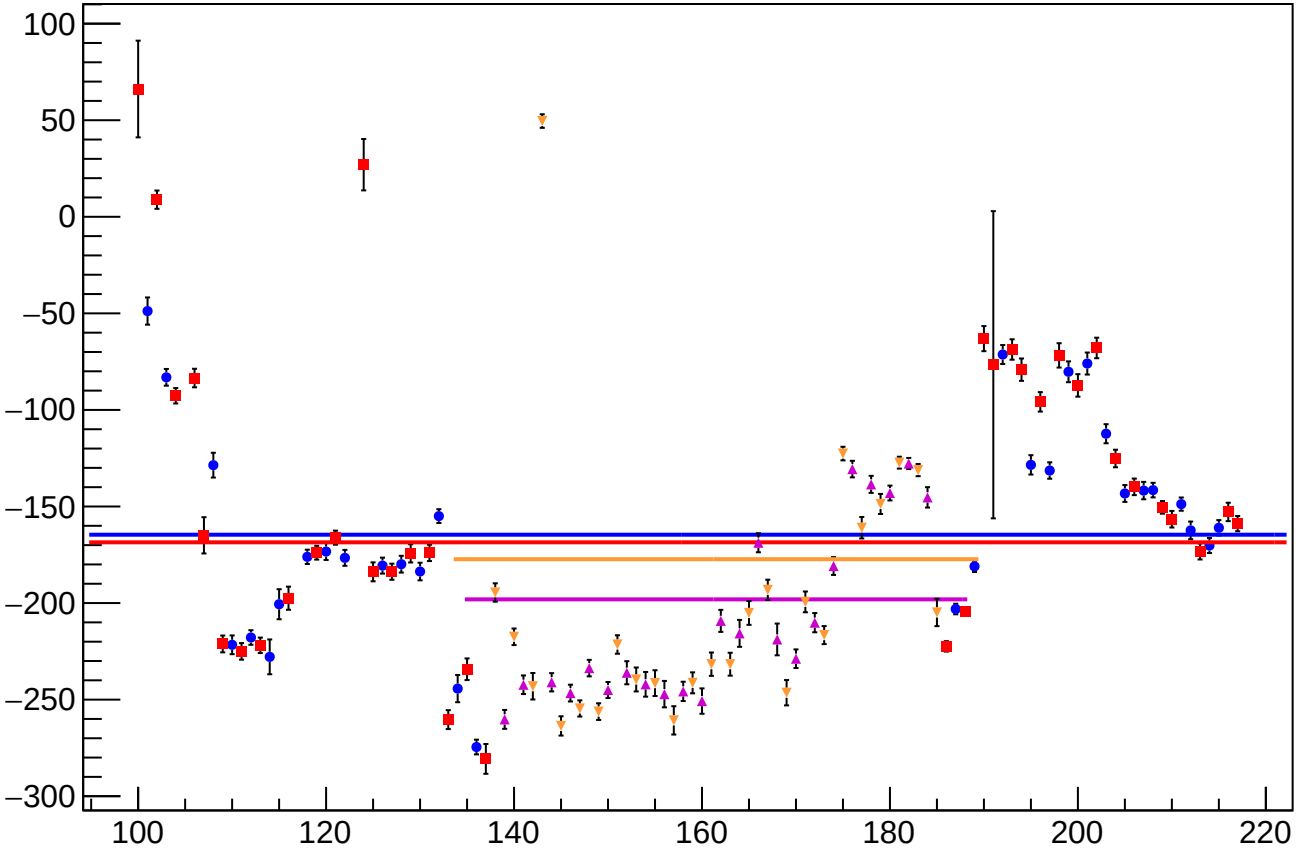
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -0.626+/-0.553 χ^2/NDF: 1189.1/55

All: -1.325+/-0.394 χ^2/NDF: 2429.4/114

- sign -2.041+/-0.560 χ^2/NDF: 1237.1/58

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.608+/-0.772 χ^2/NDF: 3508.6/30

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.554+/-0.695 χ^2/NDF: 6711.3/35

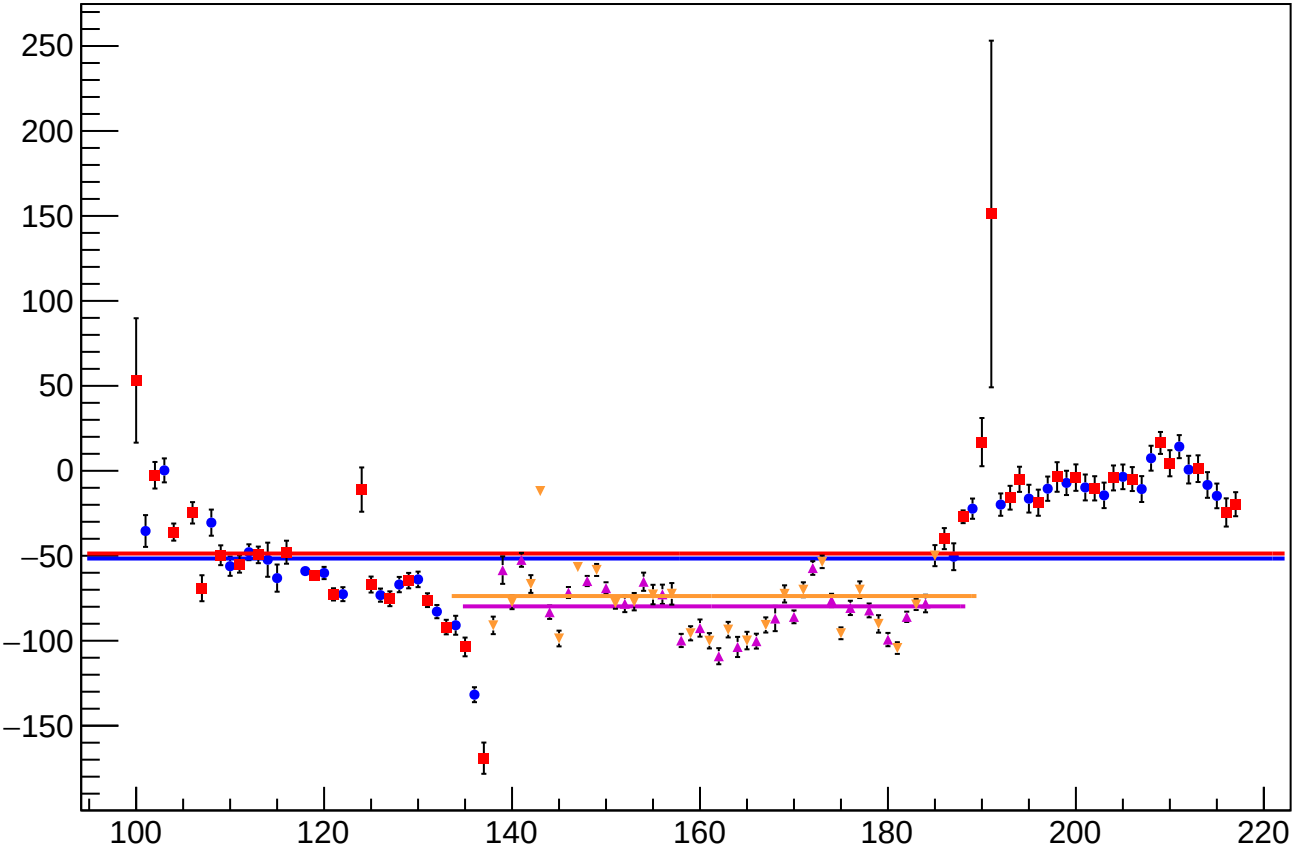
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -169.607+/-0.600 χ^2/NDF: 10655.0/55

All: -174.109+/-0.414 χ^2/NDF: 20447.5/114

- sign -178.176+/-0.571 χ^2/NDF: 9685.6/58

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -51.629+/-0.999 χ^2/NDF: 1124.6/30

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.677+/-0.966 χ^2/NDF: 1138.5/35

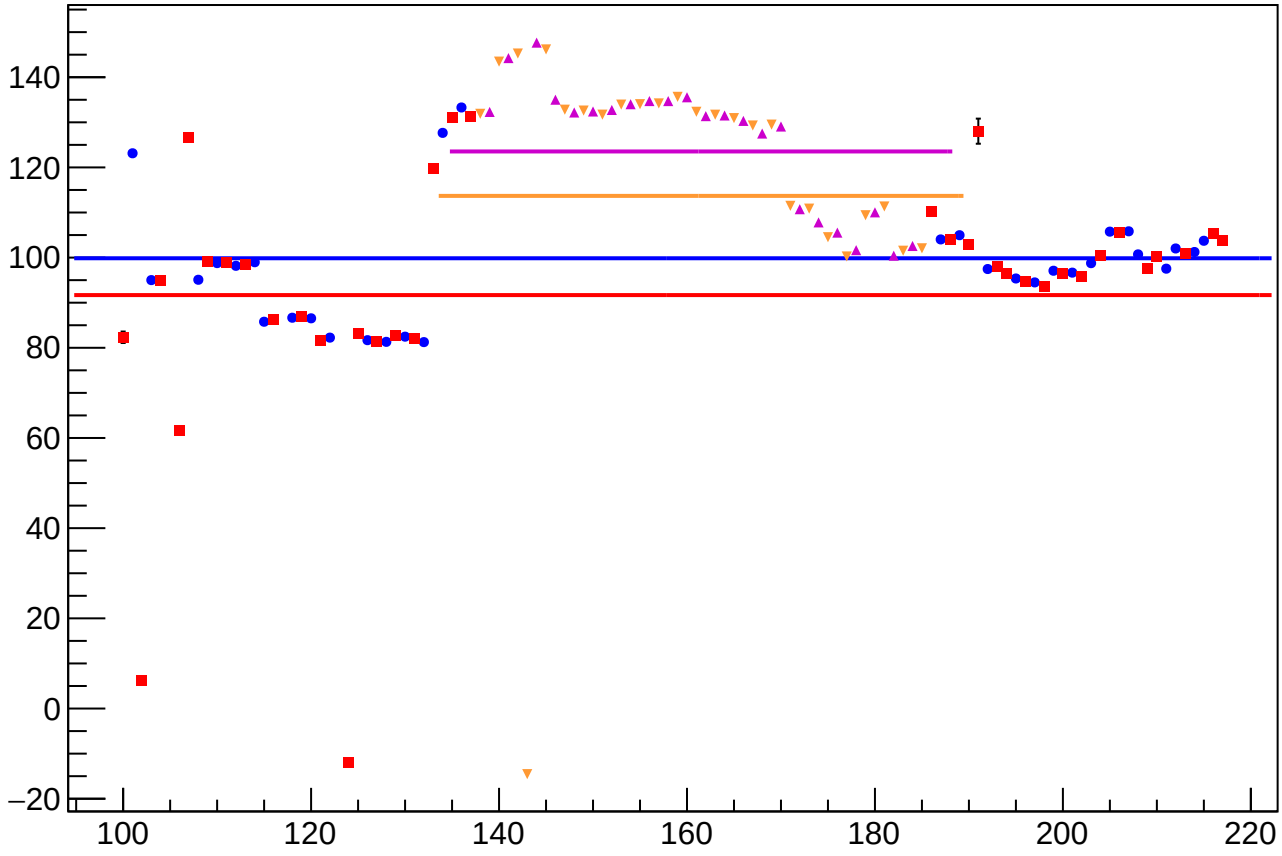
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -64.708+/-0.638 χ^2/NDF: 2253.4/55

All: -65.233+/-0.455 χ^2/NDF: 4240.5/114

- sign -65.776+/-0.648 χ^2/NDF: 1985.7/58

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.853+/-0.052 χ^2/NDF: 70251.5/30

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.687+/-0.049 χ^2/NDF: 291172.8/35

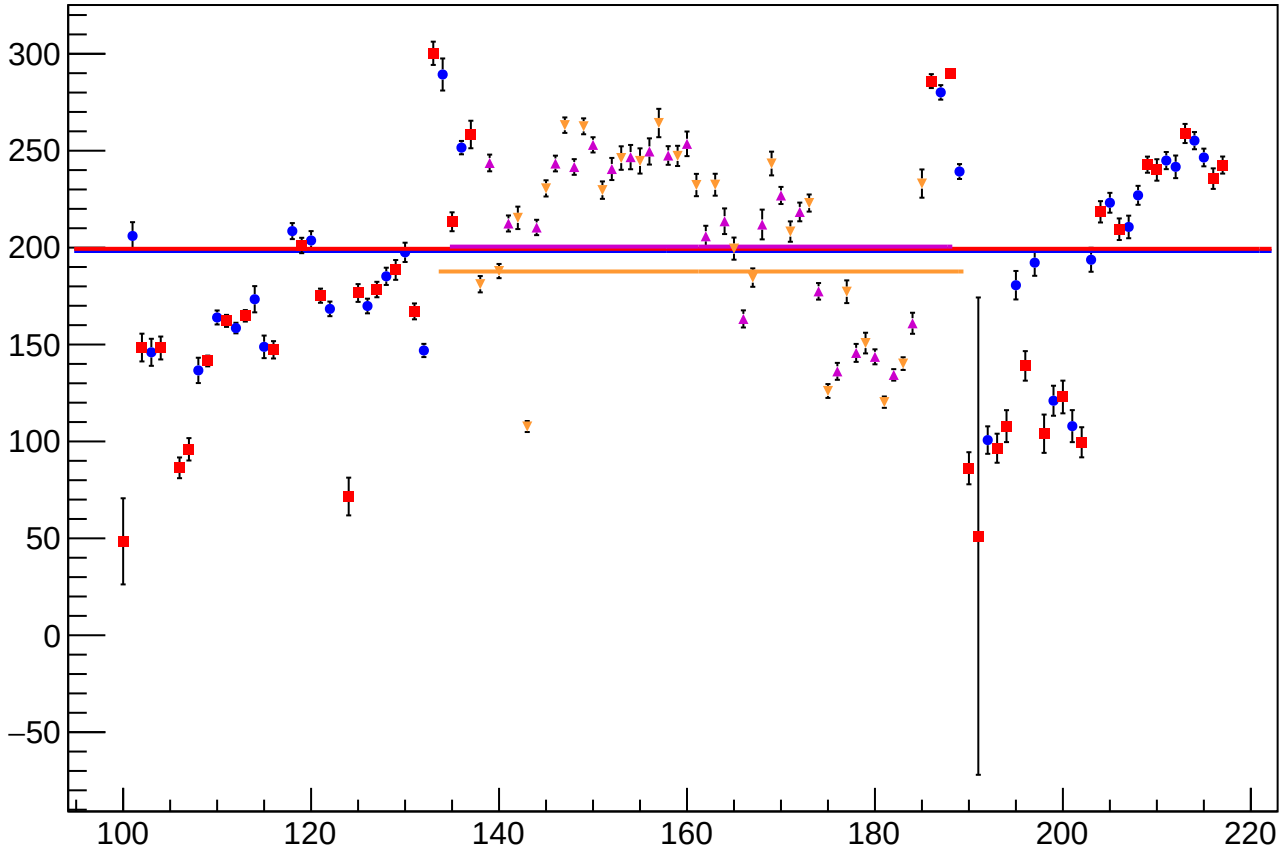
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.752+/-0.031 χ^2/NDF: 1079806.7/55

All: 109.799+/-0.022 χ^2/NDF: 1765537.5/114

- sign 110.843+/-0.031 χ^2/NDF: 683417.8/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

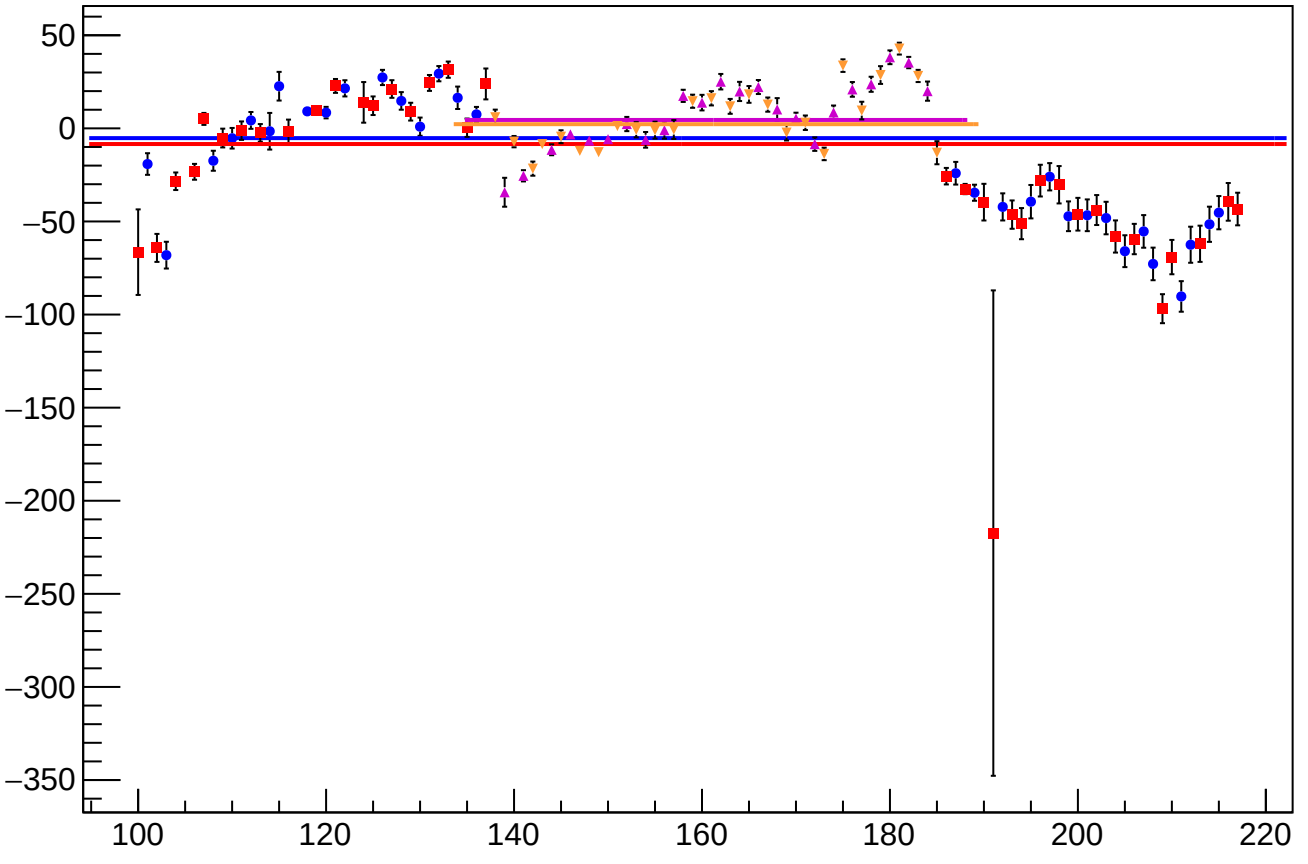
Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 193.261+/-0.617 χ^2/NDF: 6368.1/55

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114

\- sign 199.833+/-0.600 χ^2/NDF: 8634.4/58



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

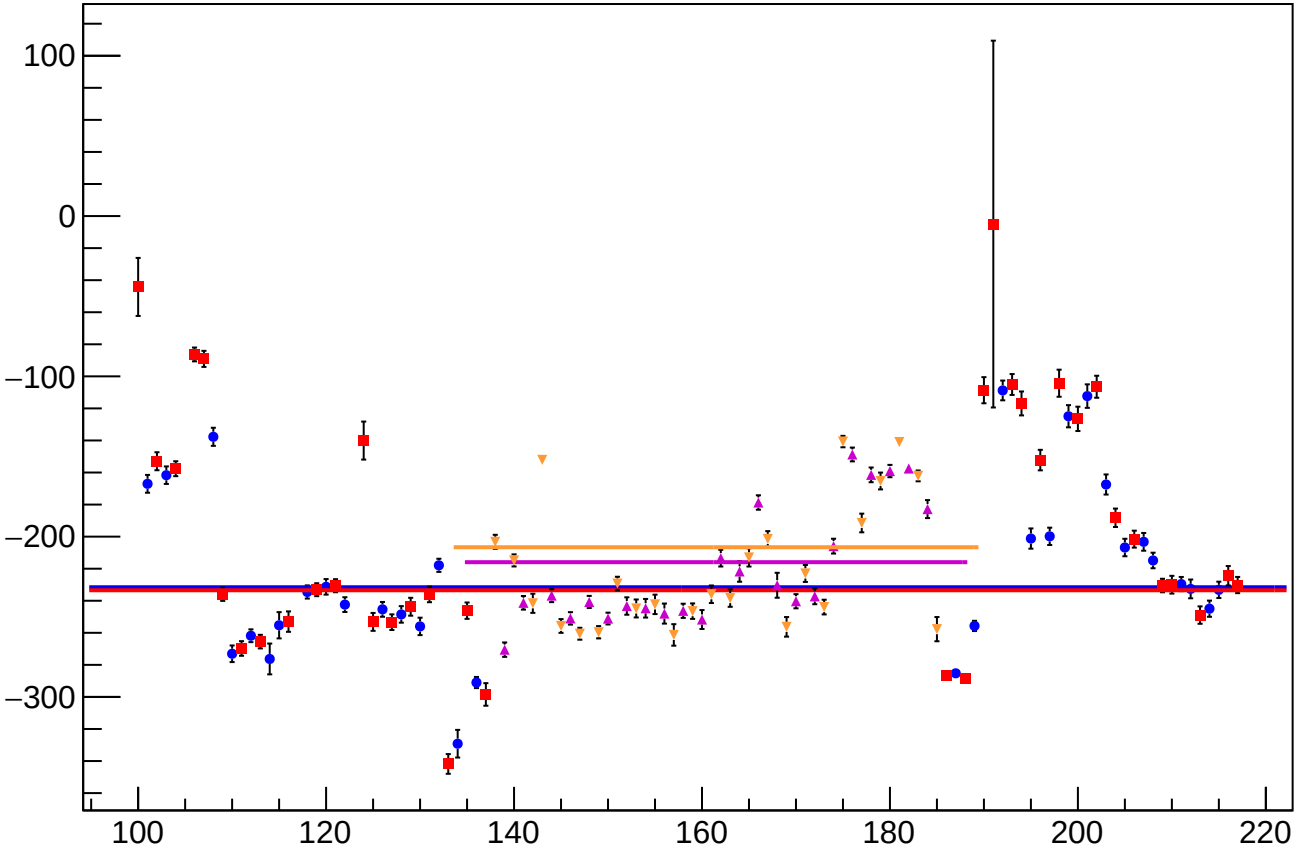
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.157+/-0.548 χ^2/NDF: 1523.4/55

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.578+/-0.889 χ^2/NDF: 2690.7/30

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

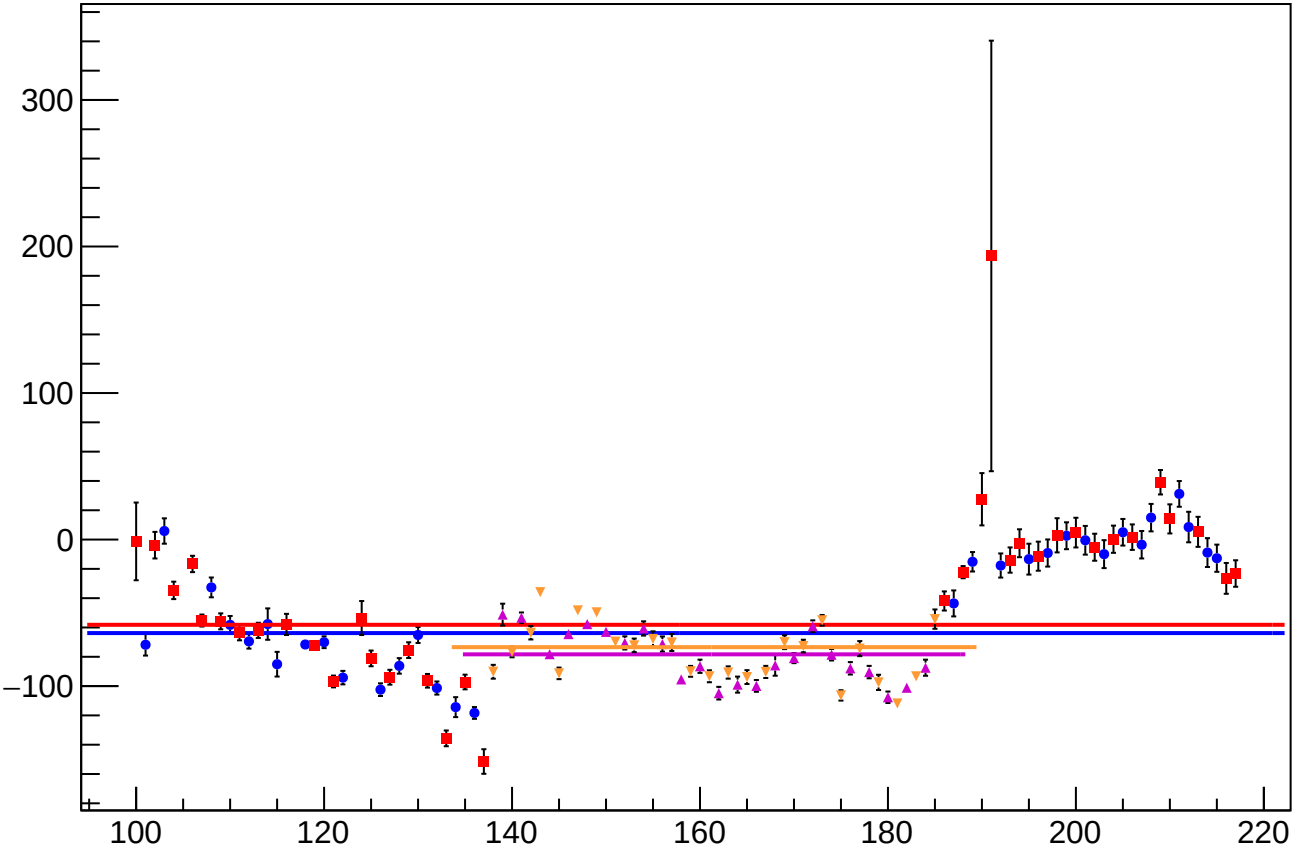
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.175+/-0.631 χ^2/NDF: 5550.0/55

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -63.820+/-1.127 χ^2/NDF: 1224.9/30

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -58.171+/-1.061 χ^2/NDF: 1387.5/35

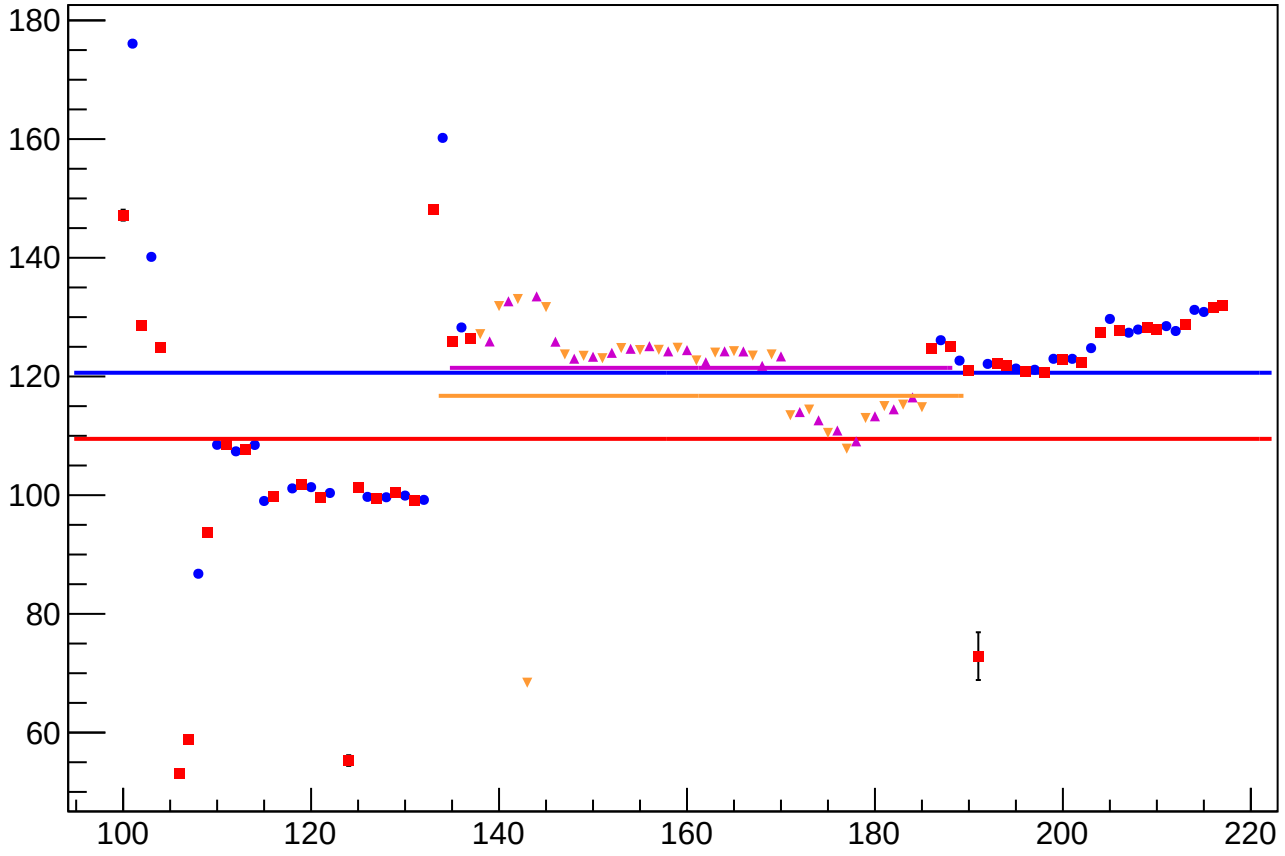
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -70.386+/-0.634 χ^2/NDF: 2111.1/55

All: -70.597+/-0.453 χ^2/NDF: 4168.7/114

- sign -70.817+/-0.647 χ^2/NDF: 2057.4/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.628+/-0.059 χ^2/NDF: 99899.4/30

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

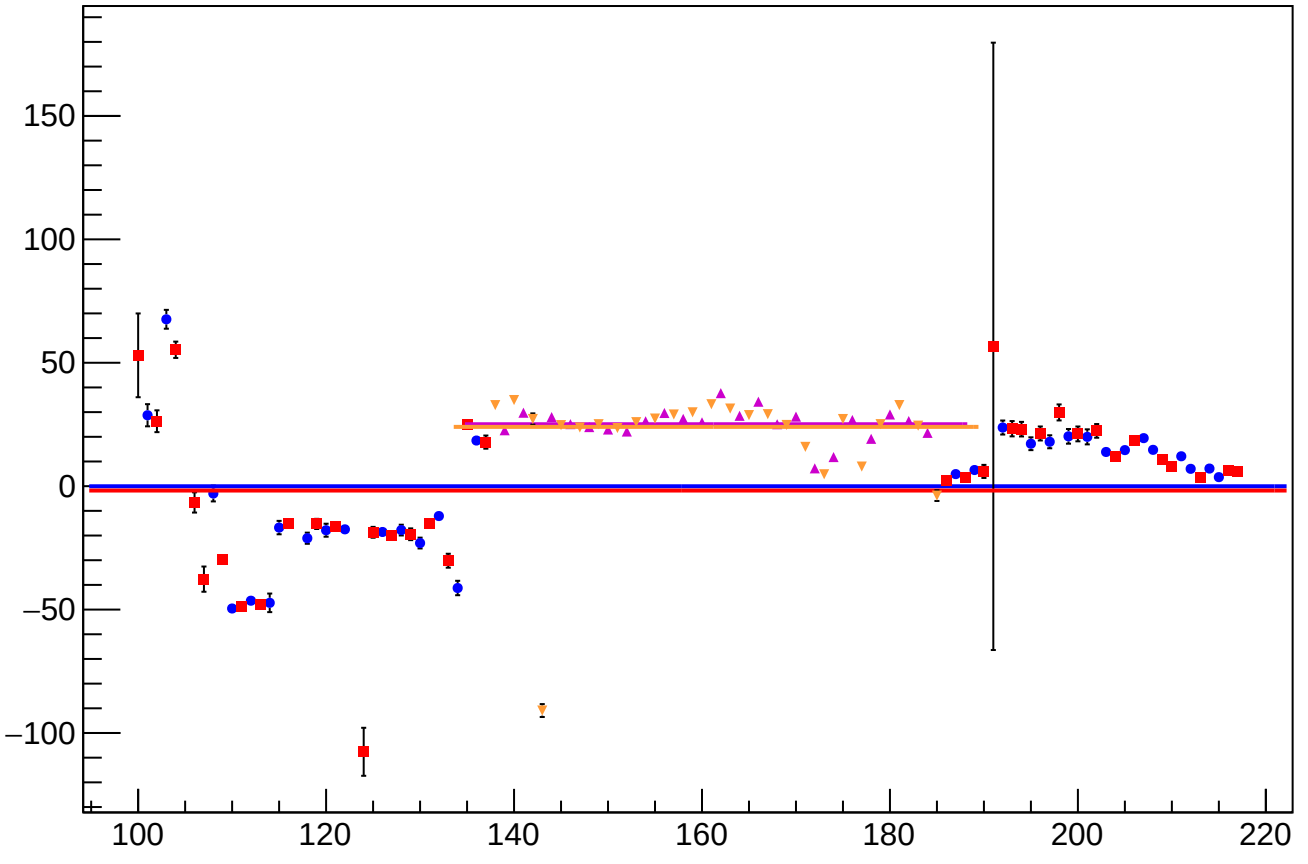
Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.781+/-0.031 χ^2/NDF: 306705.3/55

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114

- sign 117.631+/-0.031 χ^2/NDF: 278619.7/58



Right In: -0.042+/-0.355 χ^2/NDF: 3711.0/30

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.767+/-0.337 χ^2/NDF: 3941.8/35

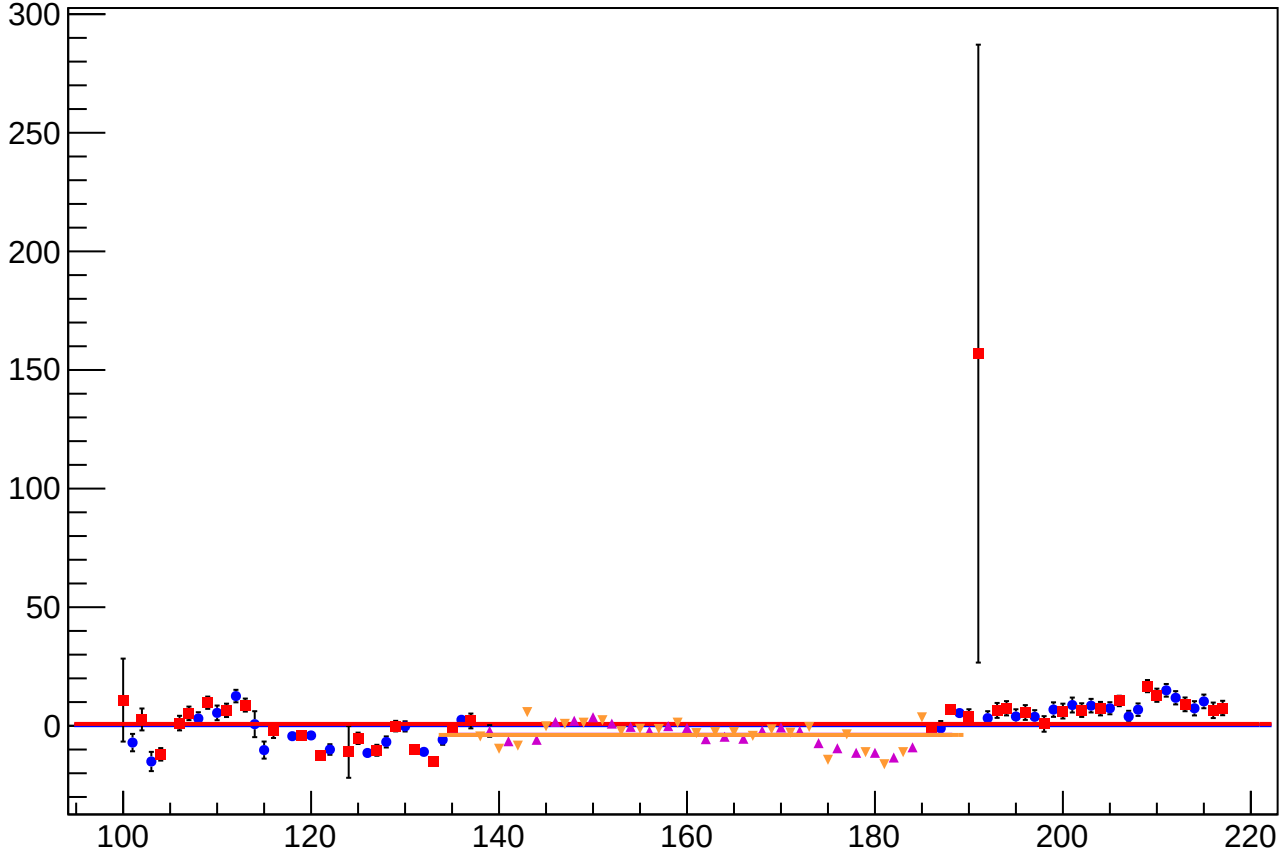
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.724+/-0.221 χ^2/NDF: 9327.7/55

All: 14.259+/-0.155 χ^2/NDF: 17448.0/114

- sign 13.803+/-0.219 χ^2/NDF: 8111.5/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.265+/-0.436 χ^2/NDF: 286.5/30

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

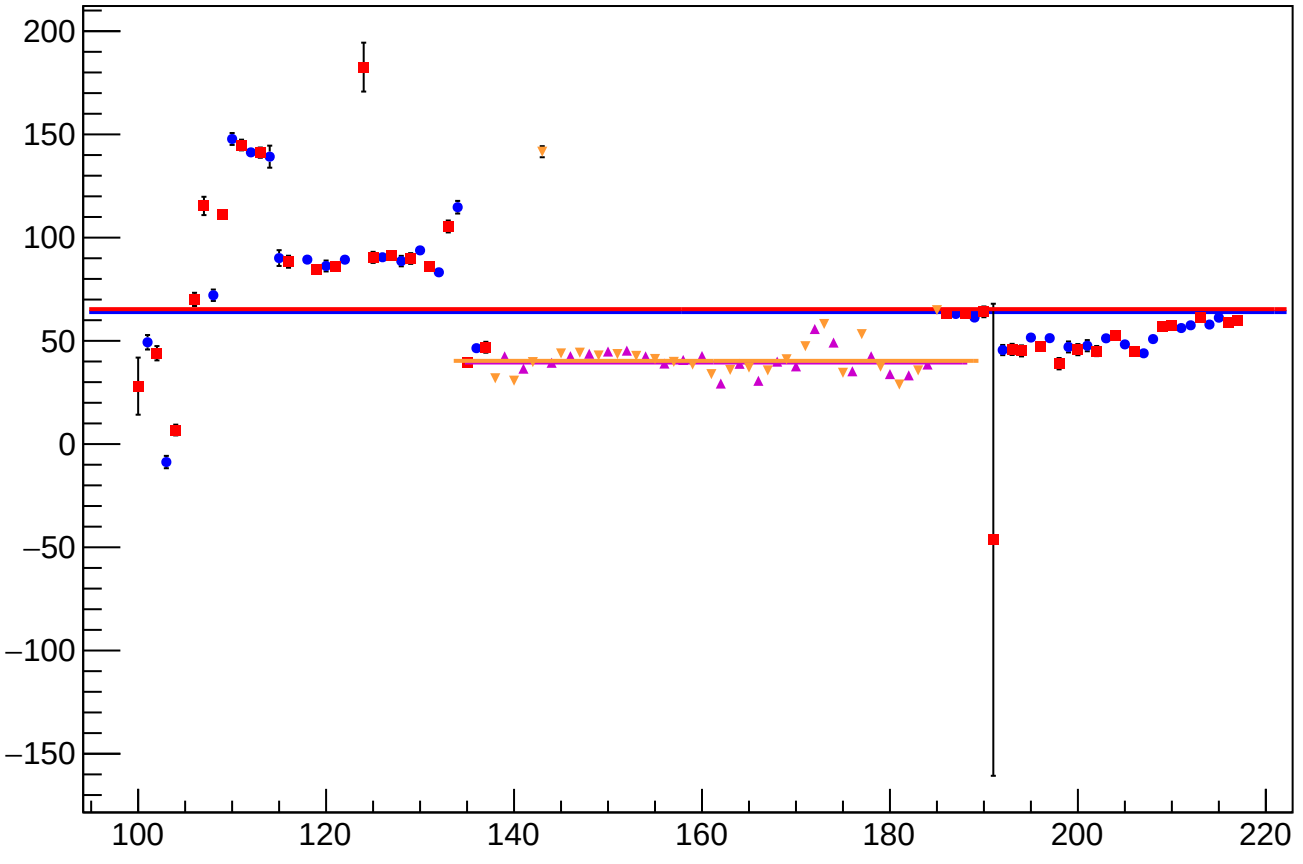
Right Out: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.024+/-0.195 χ^2/NDF: 1007.0/55

All: -2.898+/-0.139 χ^2/NDF: 1973.9/114

- sign -2.769+/-0.197 χ^2/NDF: 966.0/58



Right In: 63.936+/-0.367 χ^2/NDF: 4678.2/30

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

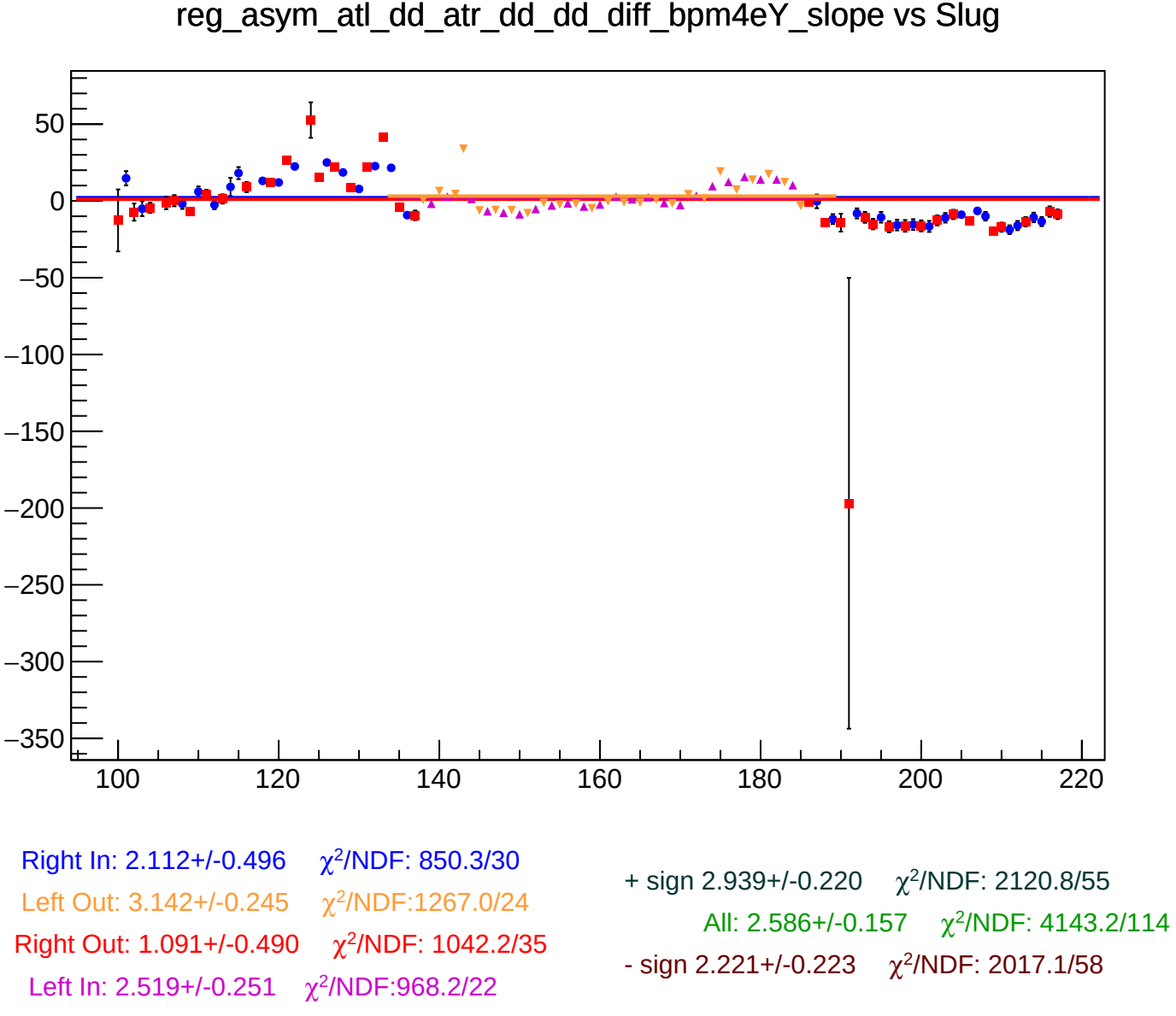
Right Out: 65.360+/-0.340 χ^2/NDF: 4856.7/35

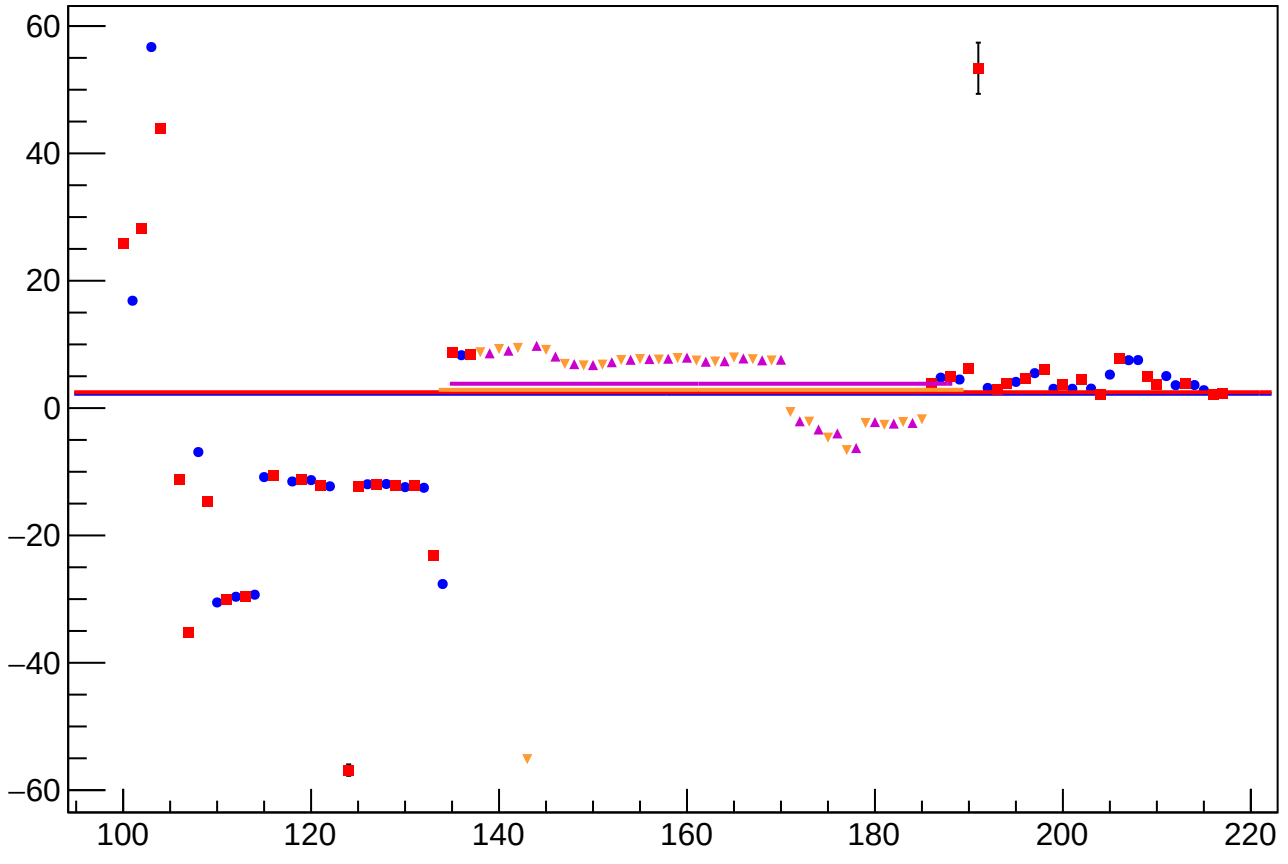
Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.023+/-0.223 χ^2/NDF: 9481.9/55

All: 49.601+/-0.156 χ^2/NDF: 18181.7/114

- sign 50.157+/-0.218 χ^2/NDF: 8686.5/58


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug
50
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
220
Right In: 2.112+/-0.496 χ²/NDF: 850.3/30
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 1.091+/-0.490 χ²/NDF: 1042.2/35
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
+ sign 2.939+/-0.220 χ²/NDF: 2120.8/55
All: 2.586+/-0.157 χ²/NDF: 4143.2/114
- sign 2.221+/-0.223 χ²/NDF: 2017.1/58



Right In: 2.252+/-0.024 χ^2/NDF: 383014.4/30

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

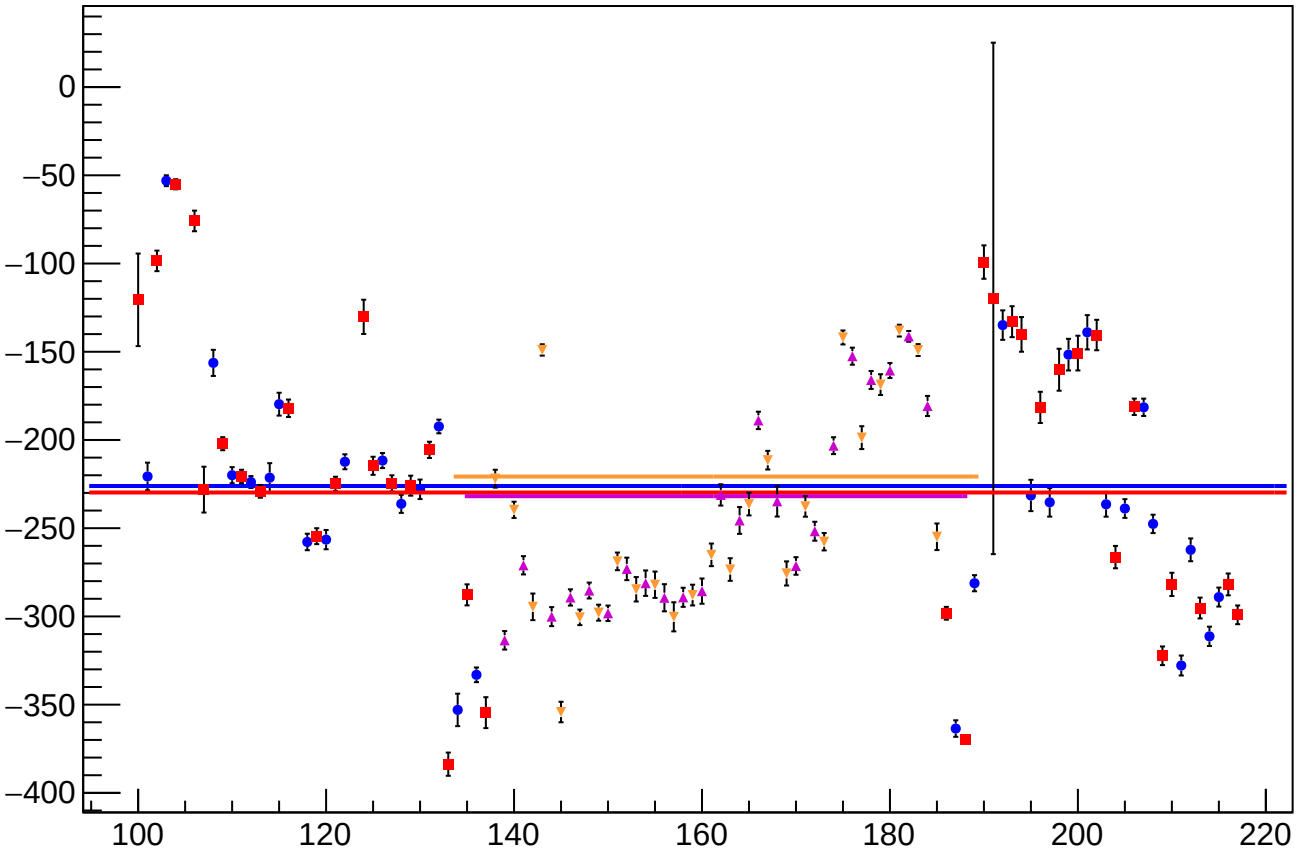
Right Out: 2.490+/-0.024 χ^2/NDF: 330761.8/35

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

\+ sign 2.760+/-0.010 χ^2/NDF: 895910.1/55

All: 3.168+/-0.007 χ^2/NDF: 1465909.7/114

\- sign 3.582+/-0.010 χ^2/NDF: 566615.5/58



Right In: -226.090+/-0.942 χ^2/NDF: 6471.9/30

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -229.765+/-0.868 χ^2/NDF: 11078.7/35

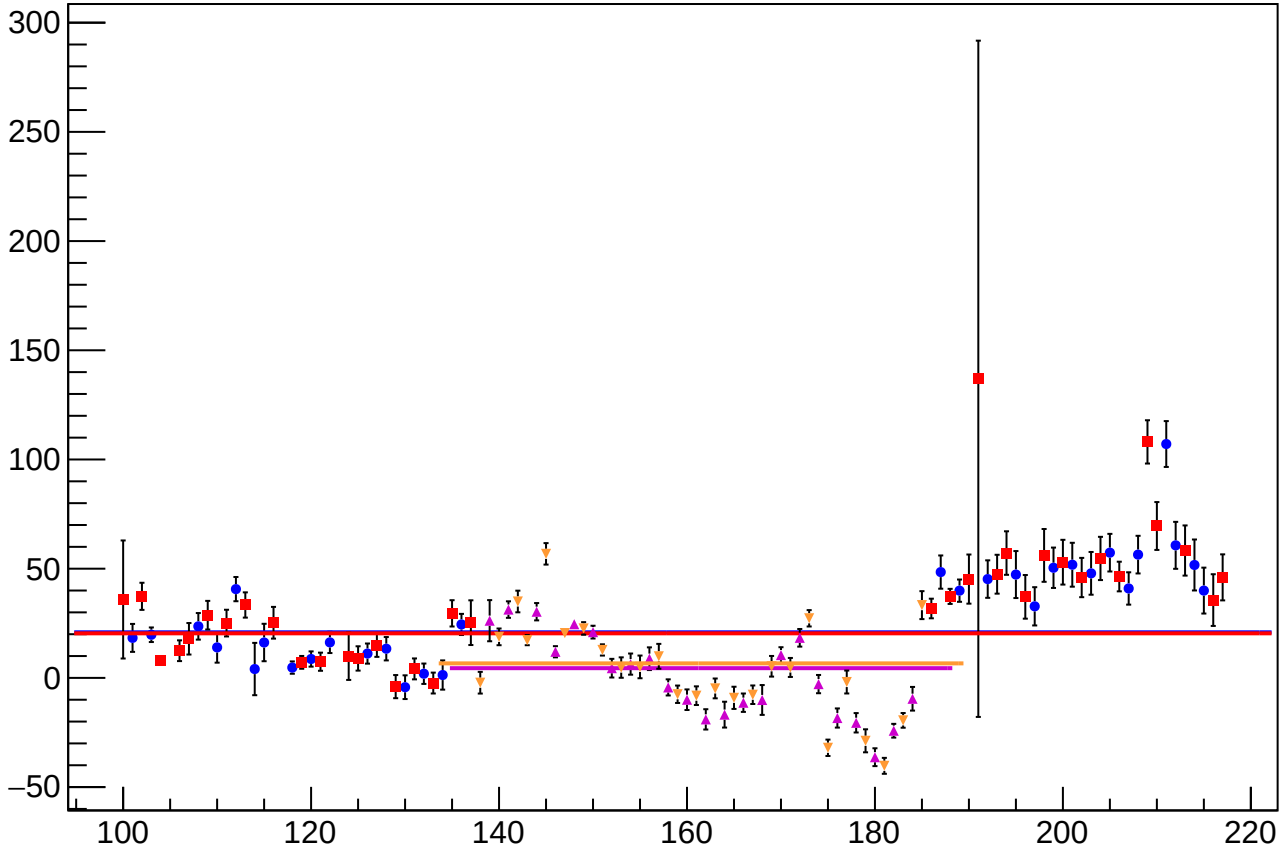
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -223.616+/-0.691 χ^2/NDF: 10539.0/55

All: -227.184+/-0.483 χ^2/NDF: 24832.5/114

- sign -230.594+/-0.676 χ^2/NDF: 14241.4/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 20.868+/-1.058 χ^2/NDF: 320.0/30

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

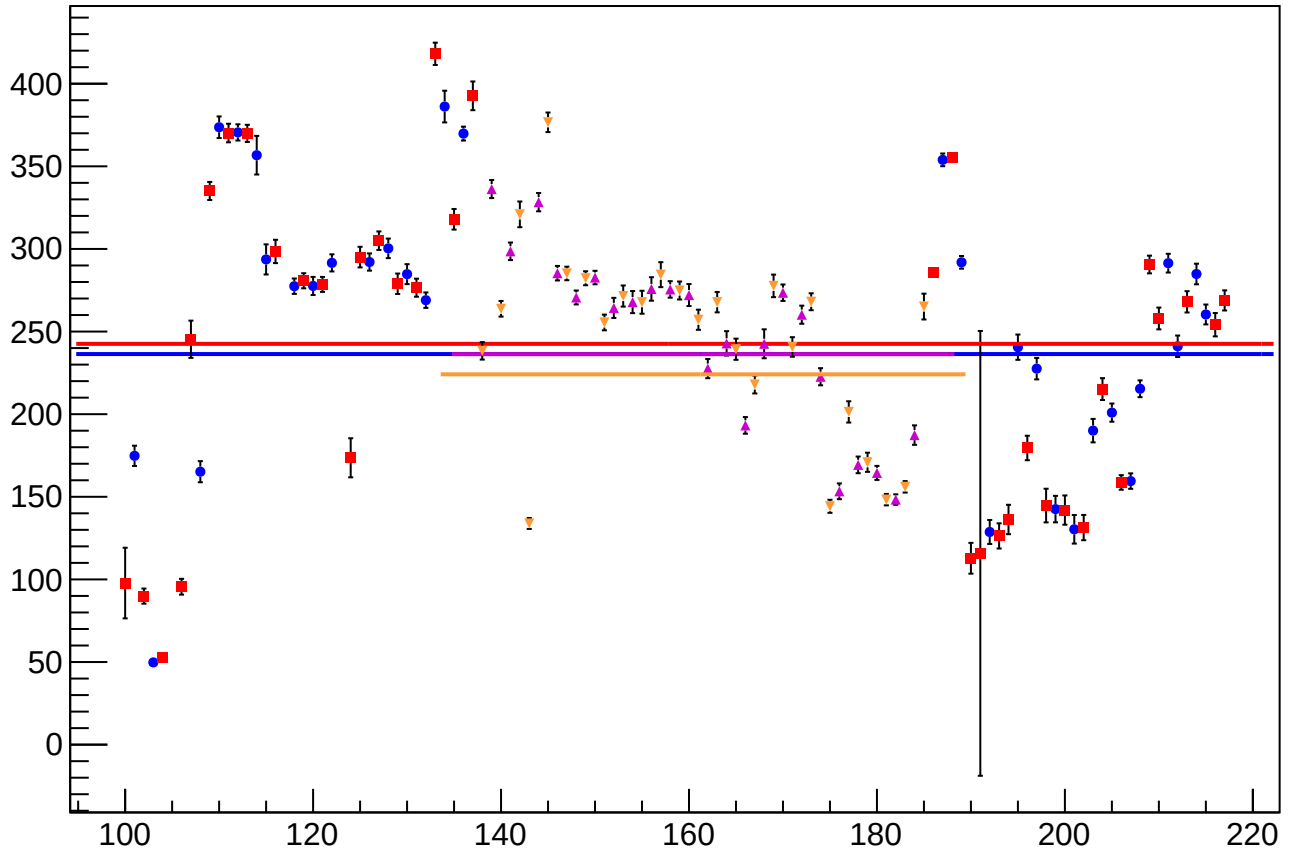
Right Out: 20.401+/-0.966 χ^2/NDF: 374.5/35

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 11.422+/-0.613 χ^2/NDF: 1175.0/55

All: 11.216+/-0.436 χ^2/NDF: 2277.5/114

- sign 11.005+/-0.619 χ^2/NDF: 1102.2/58



Right In: 236.388+/-0.954 χ^2/NDF: 11594.2/30

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.561+/-0.855 χ^2/NDF: 17100.4/35

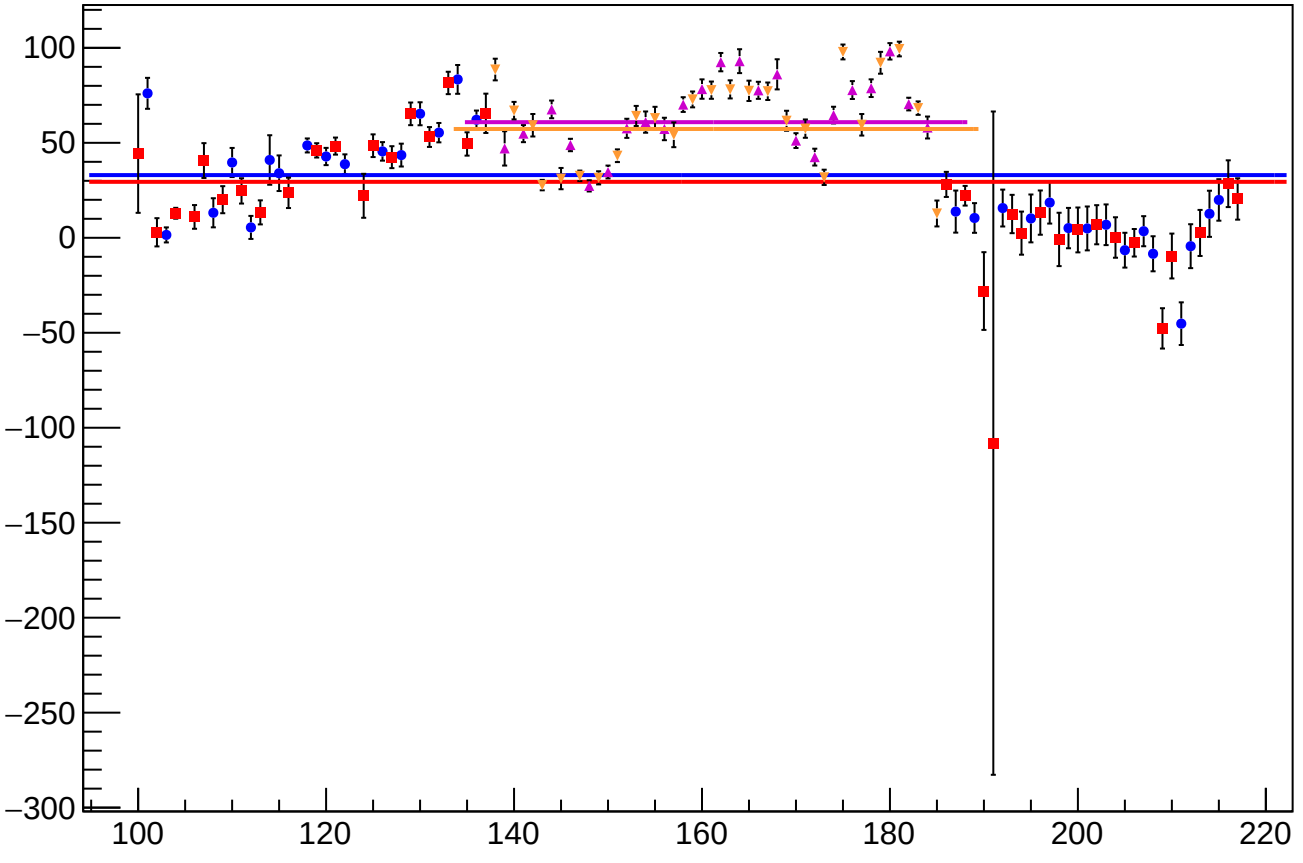
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.630+/-0.695 χ^2/NDF: 15638.5/55

All: 235.572+/-0.481 χ^2/NDF: 35849.9/114

- sign 240.129+/-0.667 χ^2/NDF: 20114.1/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 33.011+/-1.234 χ^2/NDF: 435.0/30

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

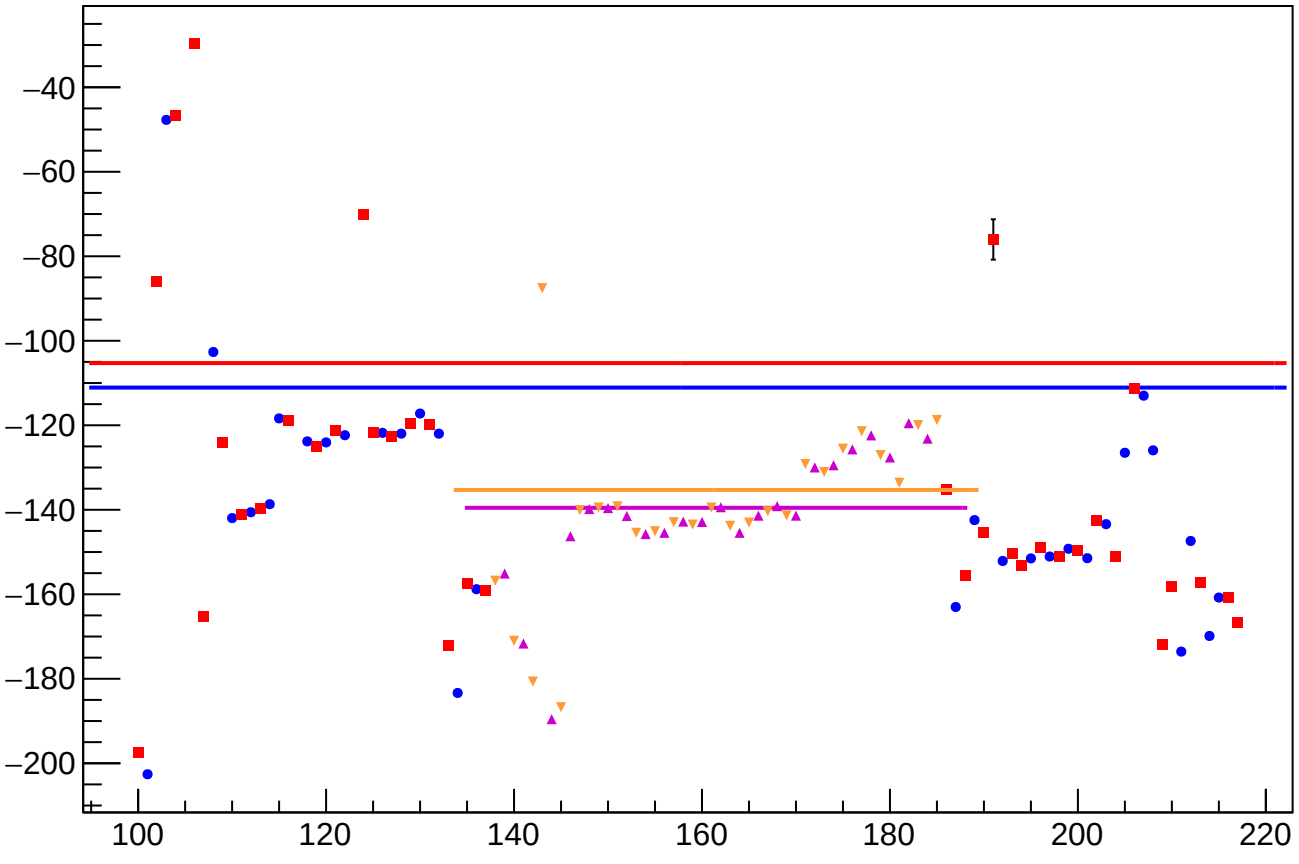
Right Out: 29.466+/-1.153 χ^2/NDF: 407.2/35

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 49.251+/-0.710 χ^2/NDF: 1461.9/55

All: 48.941+/-0.506 χ^2/NDF: 2776.4/114

- sign 48.622+/-0.720 χ^2/NDF: 1314.1/58



Right In: -111.078+/-0.057 χ^2/NDF: 700497.1/30

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -105.284+/-0.055 χ^2/NDF: 772302.0/35

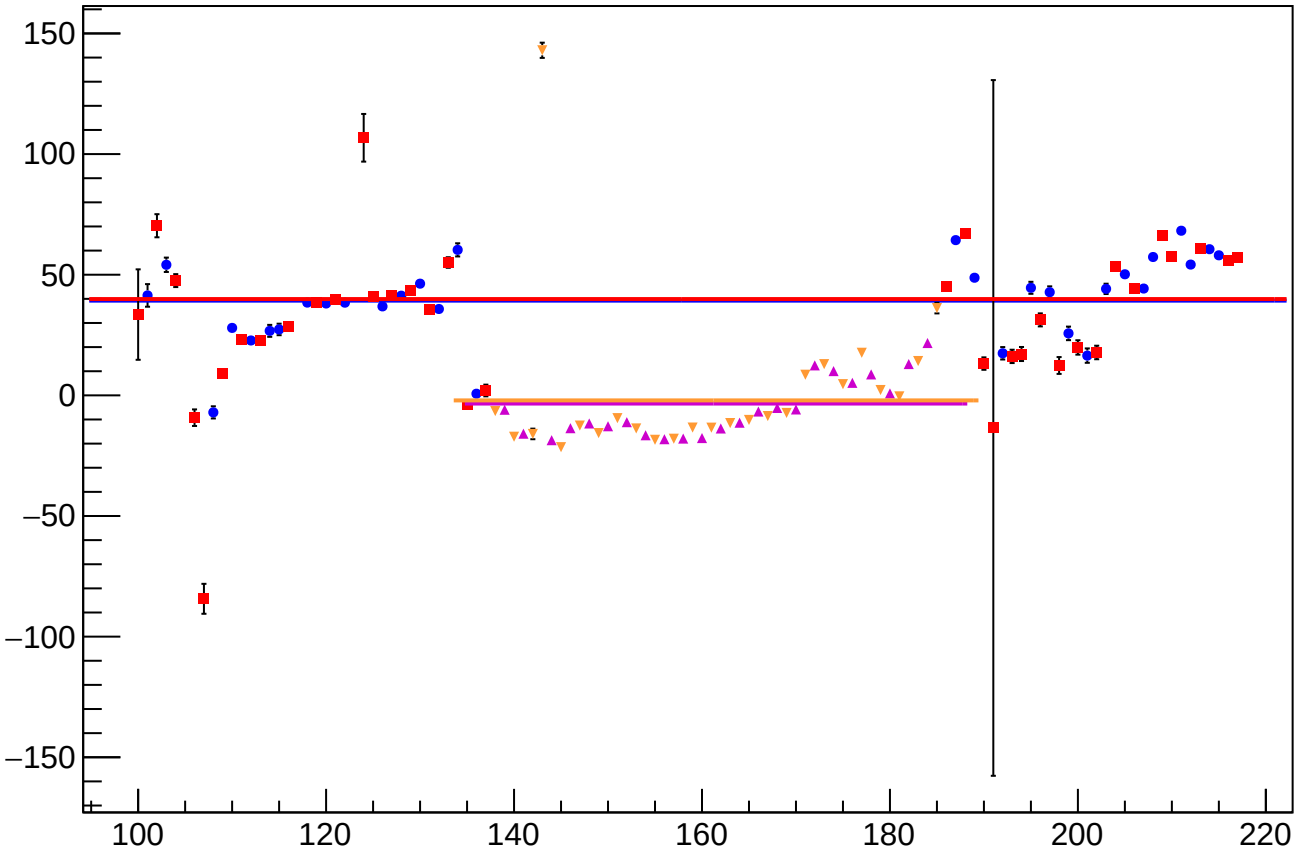
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -127.188+/-0.033 χ^2/NDF: 1082817.9/55

All: -127.054+/-0.024 χ^2/NDF: 2213326.1/11

- sign -126.916+/-0.033 χ^2/NDF: 1130474.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 39.269+/-0.316 χ^2/NDF: 3311.5/30

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

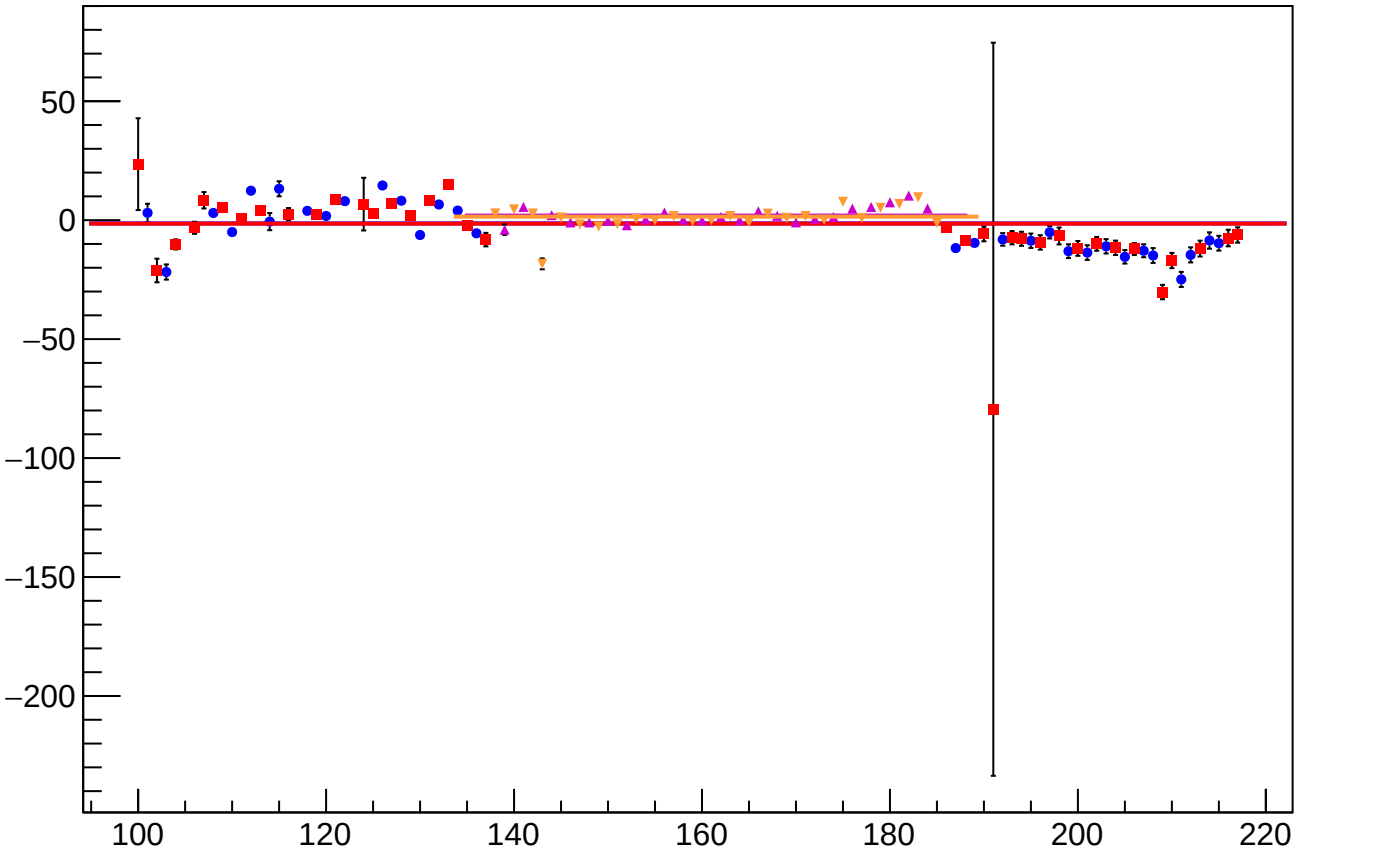
Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 15.100+/-0.204 χ^2/NDF: 17503.8/55

All: 16.160+/-0.142 χ^2/NDF: 36904.8/114

\- sign 17.146+/-0.197 χ^2/NDF: 19348.9/58



Right In: -1.355+/-0.371 χ^2/NDF: 598.7/30

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

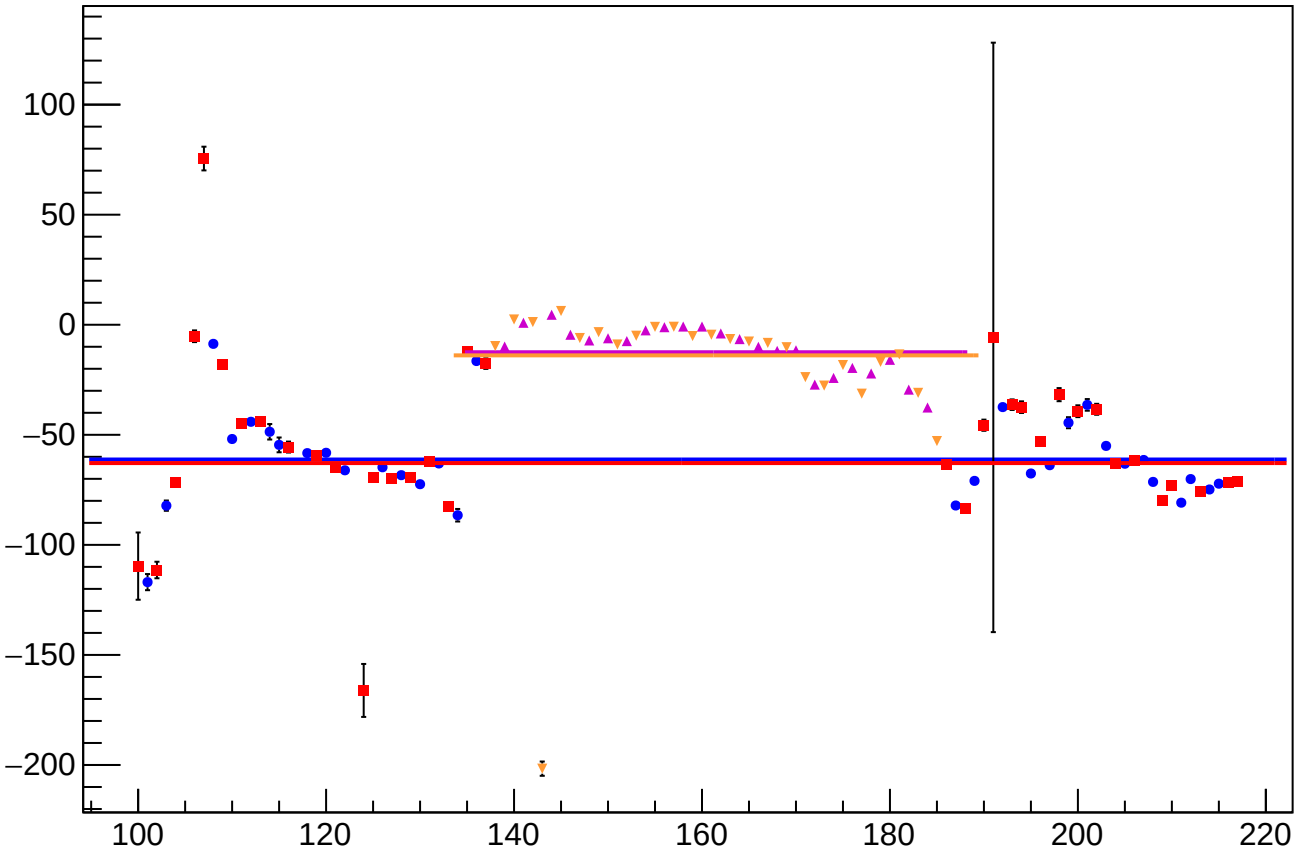
Right Out: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.825+/-0.179 χ^2/NDF: 972.2/55

All: 0.924+/-0.127 χ^2/NDF: 1826.9/114

\- sign 1.025+/-0.180 χ^2/NDF: 854.1/58



Right In: -61.224+/-0.328 χ^2/NDF: 3665.0/30

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

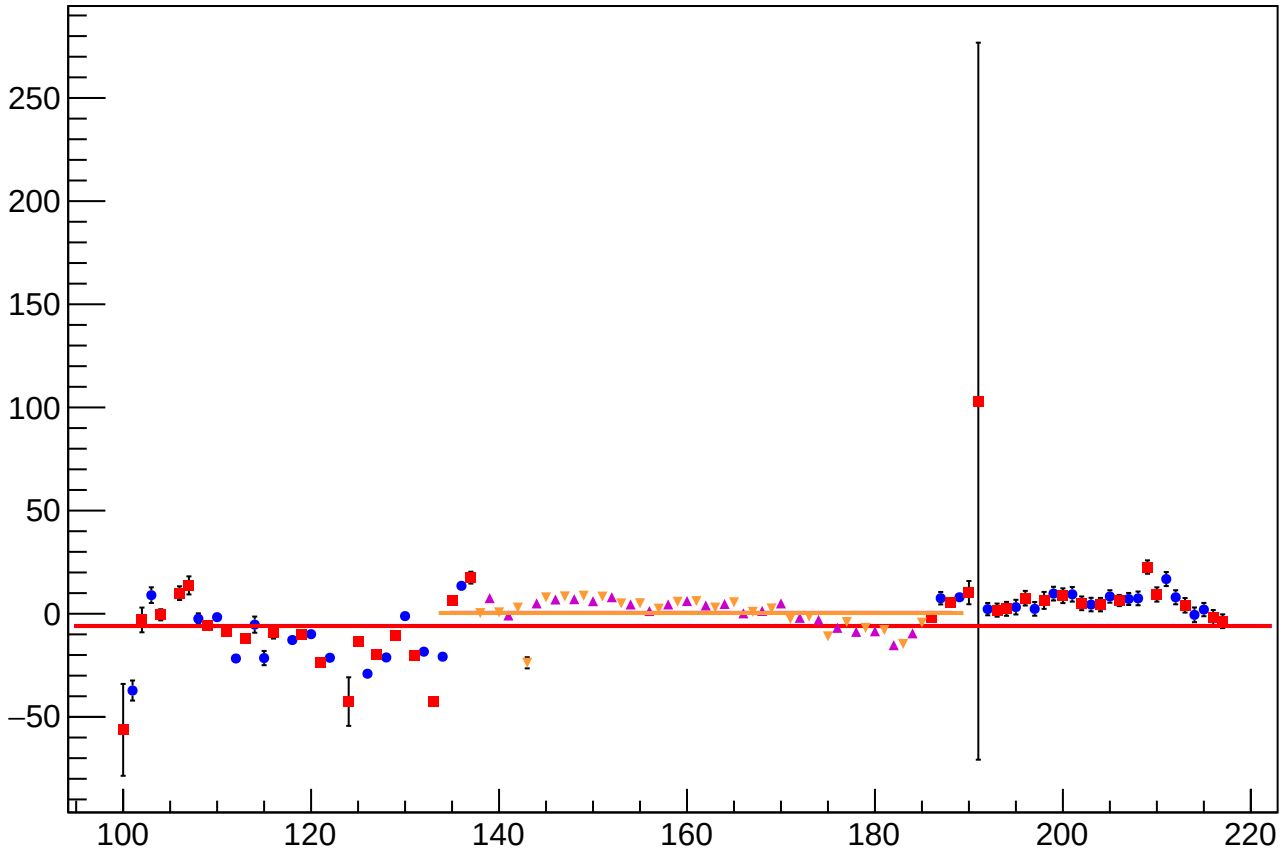
Right Out: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -32.541+/-0.206 χ^2/NDF: 21375.4/55

All: -34.487+/-0.142 χ^2/NDF: 45246.3/114

\- sign -36.236+/-0.195 χ^2/NDF: 23701.6/58



Right In: -5.906+/-0.430 χ^2/NDF: 1010.0/30

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

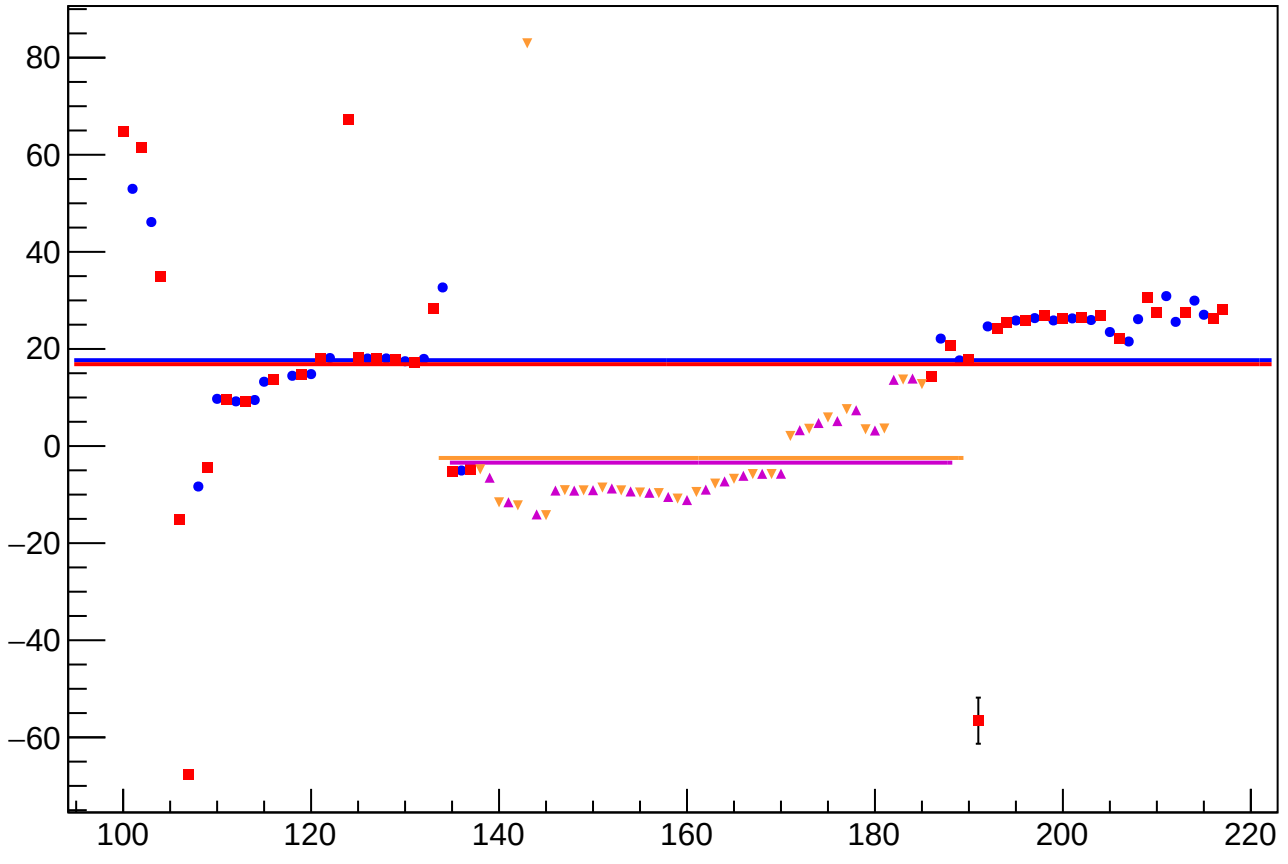
Right Out: -5.966+/-0.415 χ^2/NDF: 1051.9/35

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.060+/-0.204 χ^2/NDF: 2096.0/55

All: -1.098+/-0.145 χ^2/NDF: 4109.5/114

\- sign -1.138+/-0.206 χ^2/NDF: 2013.4/58



Right In: 17.685+/-0.022 χ^2/NDF: 455339.6/30

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

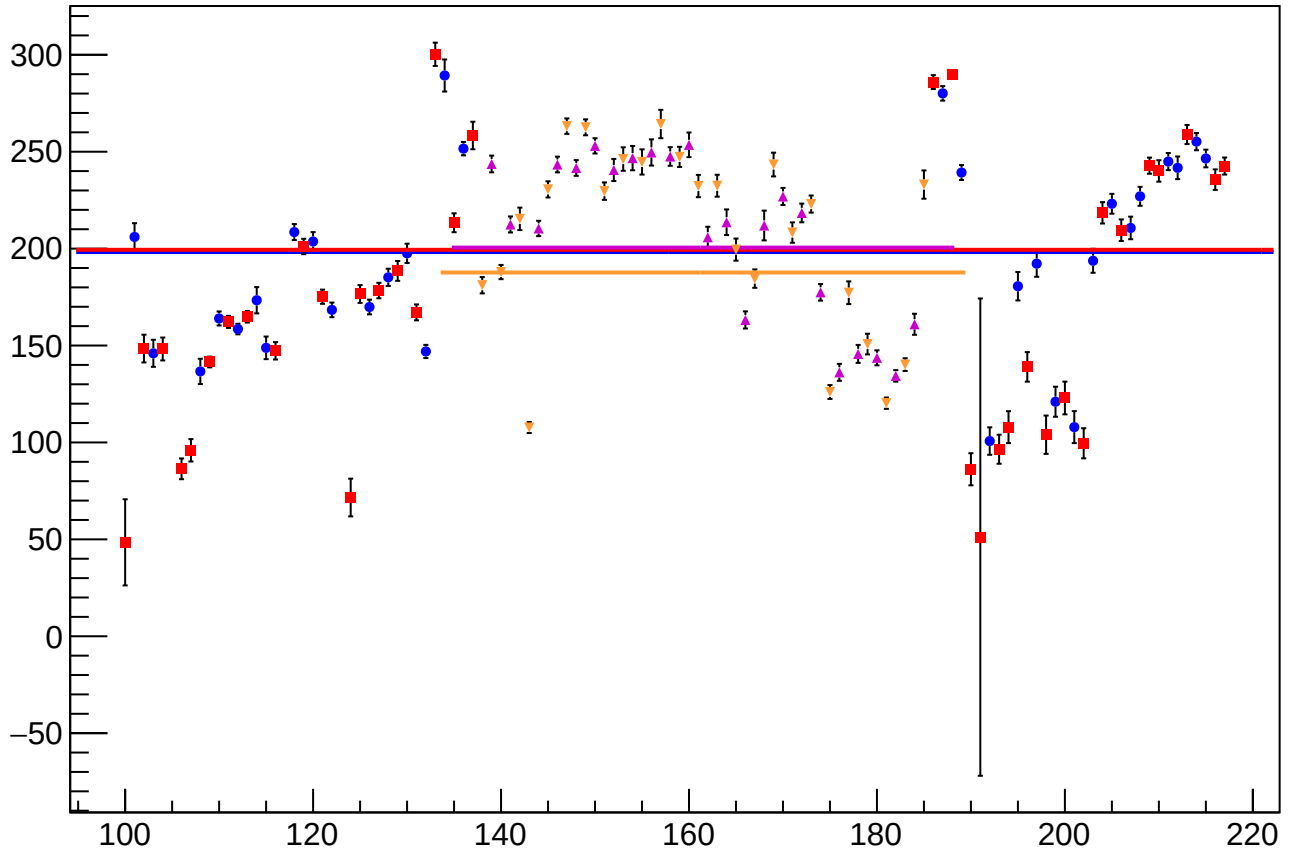
Right Out: 16.862+/-0.022 χ^2/NDF: 580968.4/35

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.272+/-0.009 χ^2/NDF: 2116837.0/55

All: 0.856+/-0.007 χ^2/NDF: 3965495.2/114

- sign 0.435+/-0.009 χ^2/NDF: 1844672.2/58



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

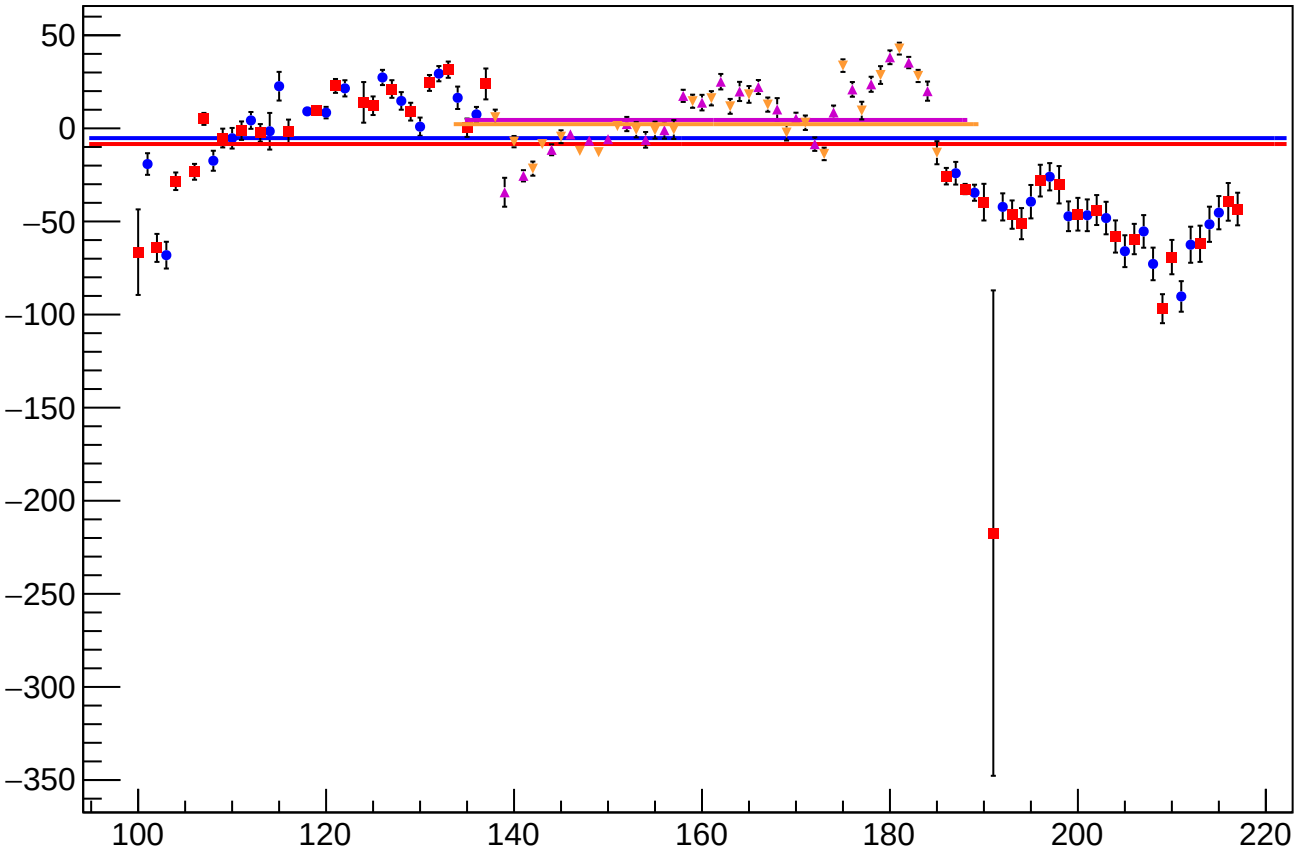
Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 193.261+/-0.617 χ^2/NDF: 6368.1/55

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114

- sign 199.833+/-0.600 χ^2/NDF: 8634.4/58



Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

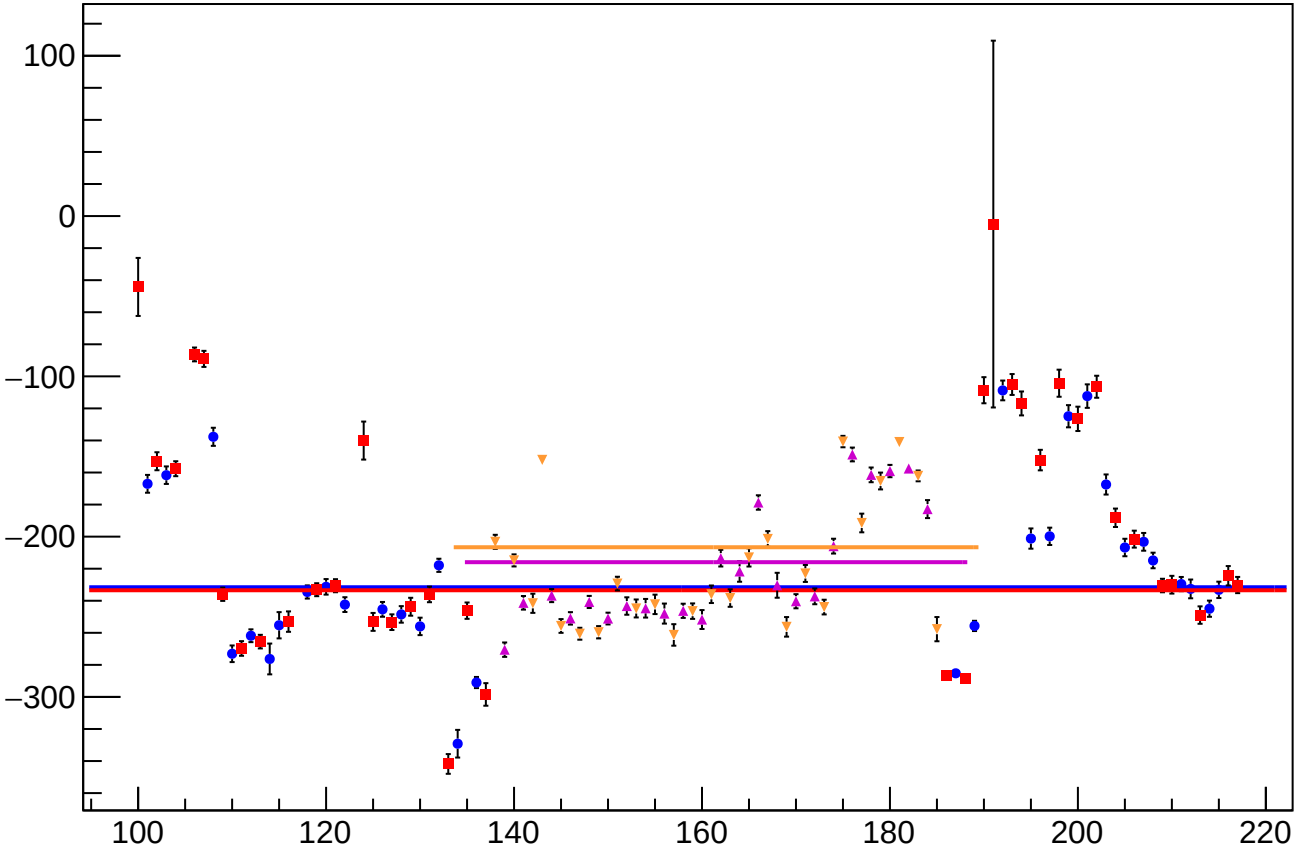
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.157+/-0.548 χ^2/NDF: 1523.4/55

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -231.578+/-0.889 χ^2/NDF: 2690.7/30

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

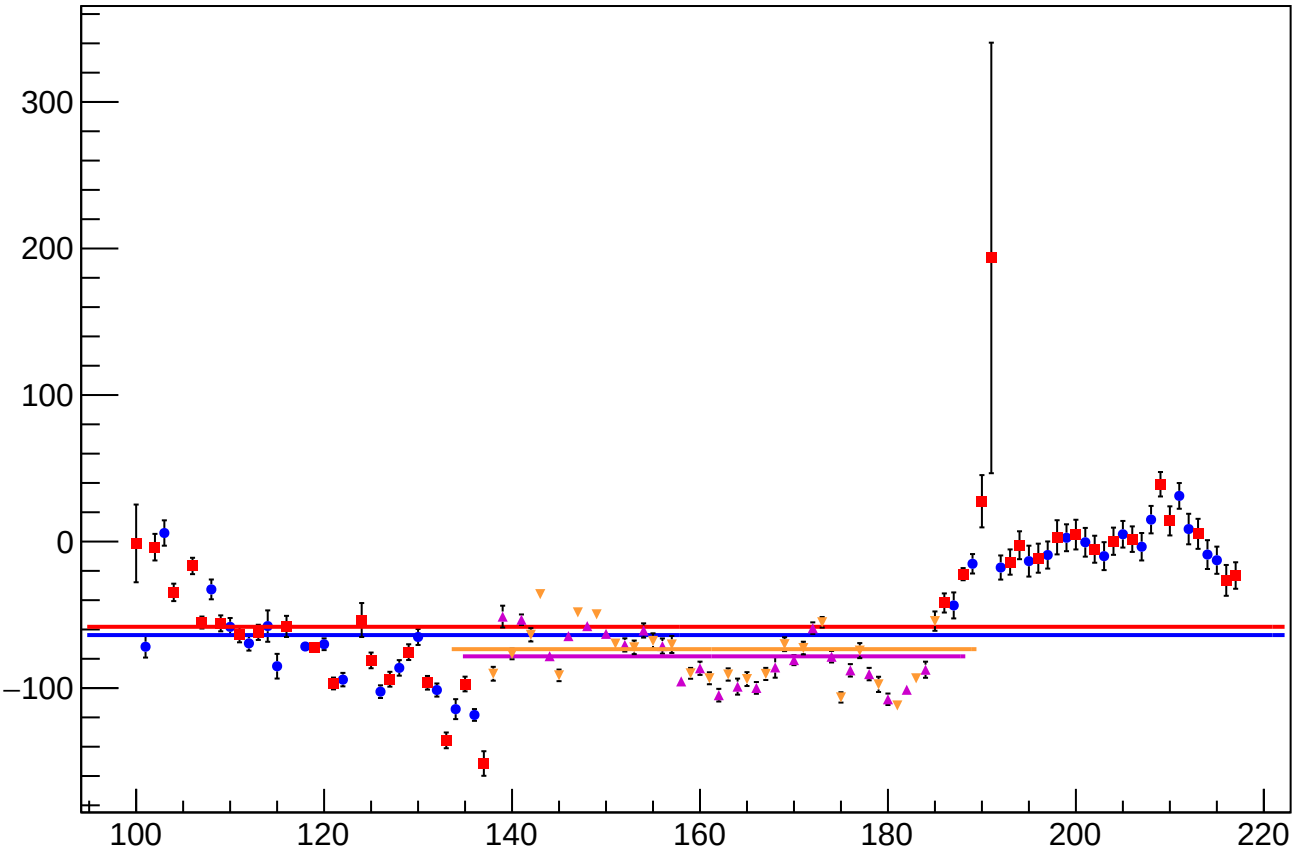
Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.175+/-0.631 χ^2/NDF: 5550.0/55

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58



Right In: -63.820+/-1.127 χ^2/NDF: 1224.9/30

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

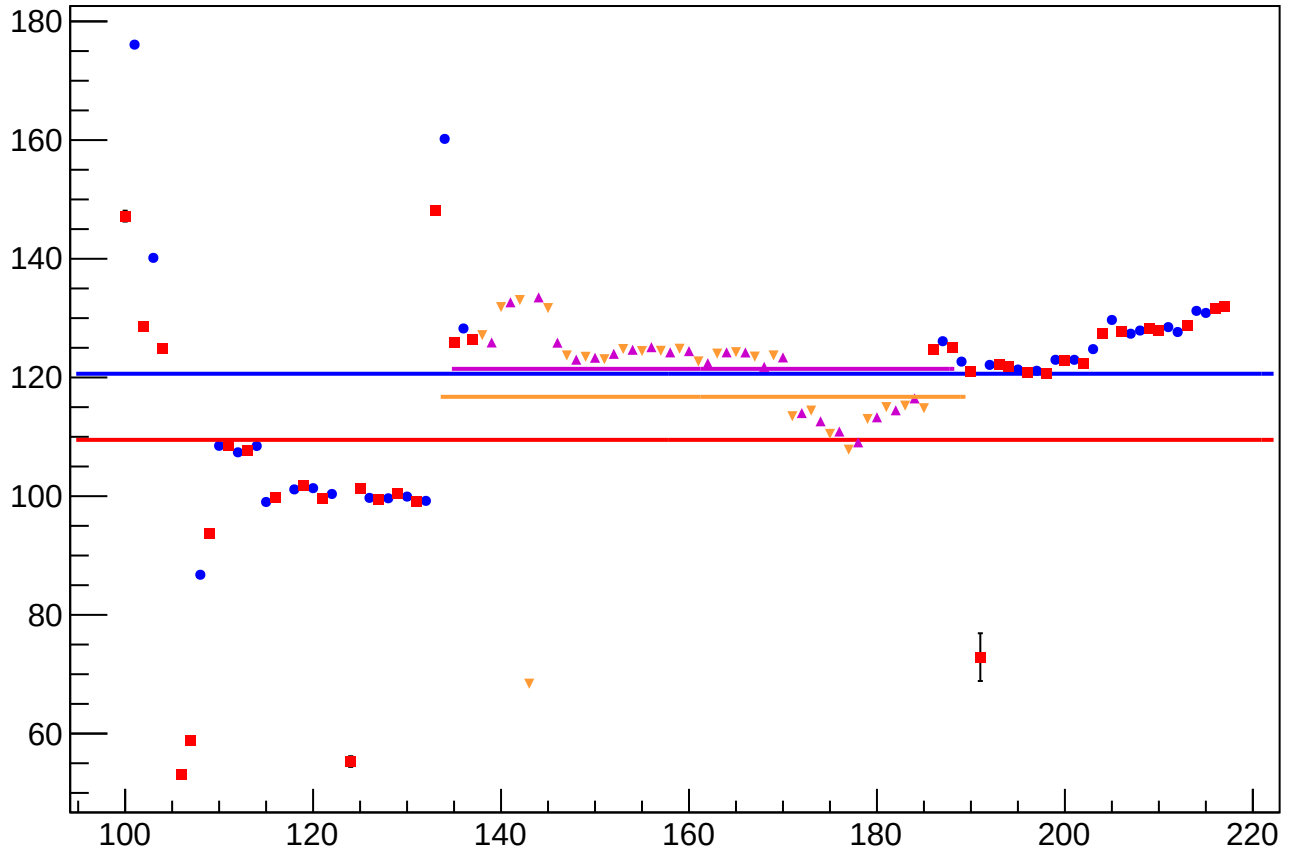
Right Out: -58.171+/-1.061 χ^2/NDF: 1387.5/35

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -70.386+/-0.634 χ^2/NDF: 2111.1/55

All: -70.597+/-0.453 χ^2/NDF: 4168.7/114

- sign -70.817+/-0.647 χ^2/NDF: 2057.4/58



Right In: 120.628+/-0.059 χ^2/NDF: 99899.4/30

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

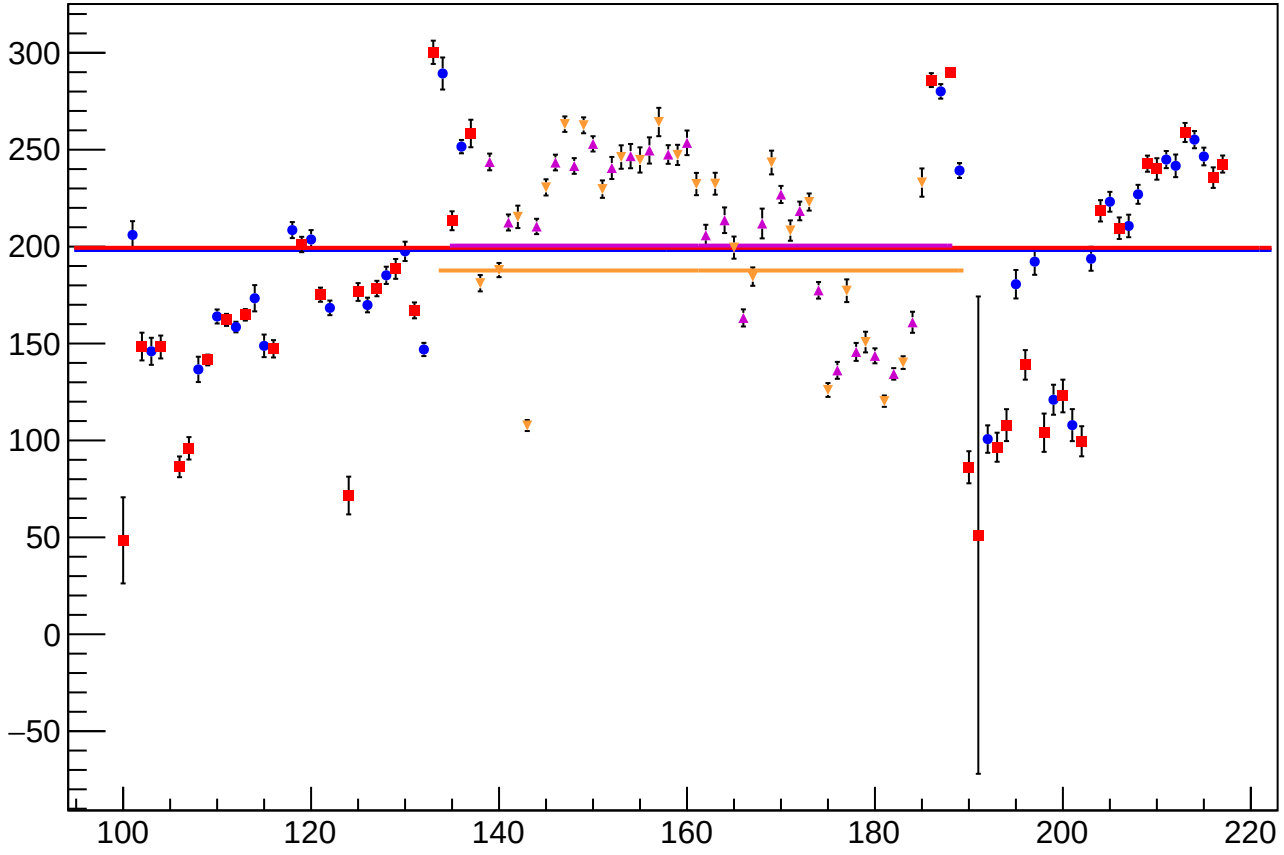
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.781+/-0.031 χ^2/NDF: 306705.3/55

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114

- sign 117.631+/-0.031 χ^2/NDF: 278619.7/58

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug



Right In: 198.254+/-0.849 χ^2/NDF: 2766.5/30

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 199.385+/-0.771 χ^2/NDF: 6522.1/35

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 193.261+/-0.617 χ^2/NDF: 6368.1/55

All: 196.638+/-0.430 χ^2/NDF: 15060.8/114

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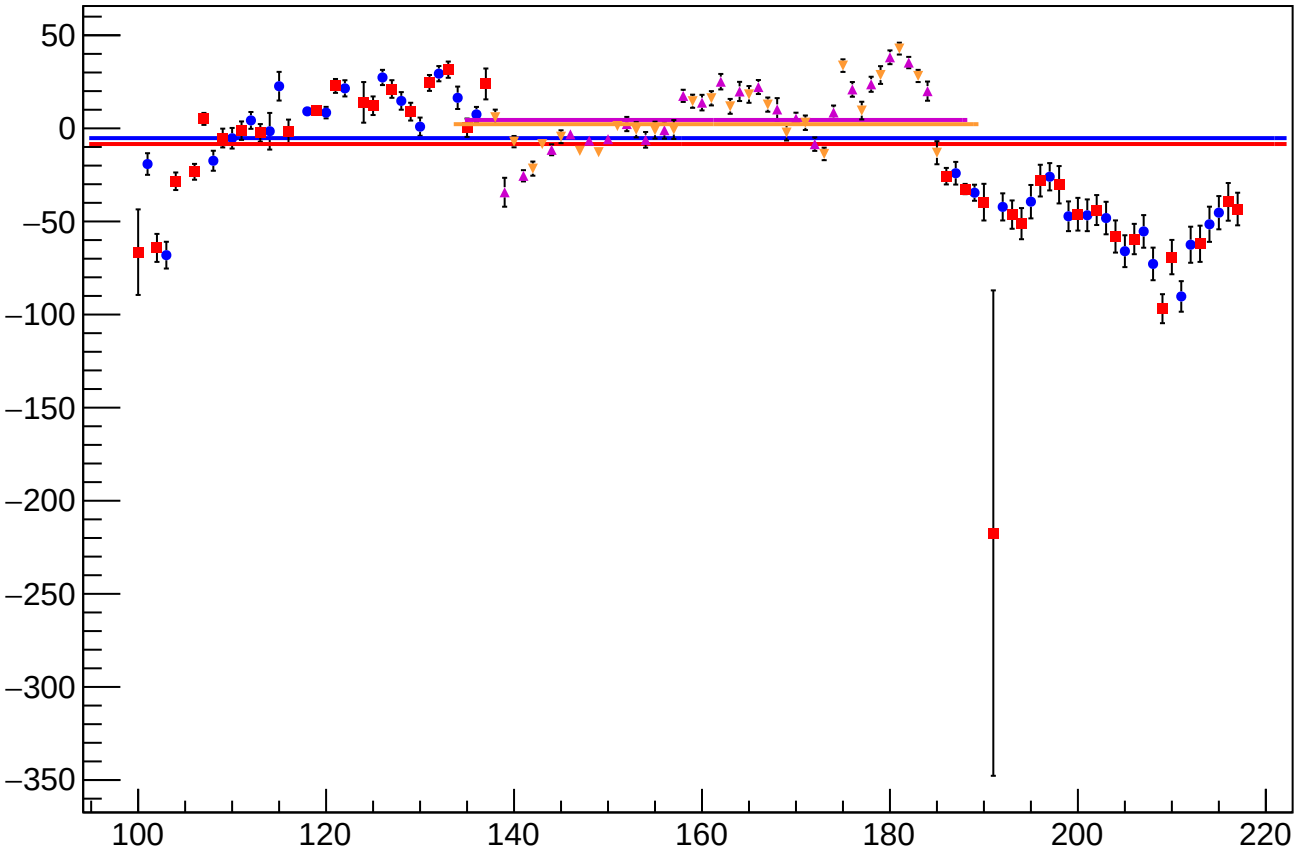


Right In: -5.245+/-0.967 χ^2/NDF: 881.8/30

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

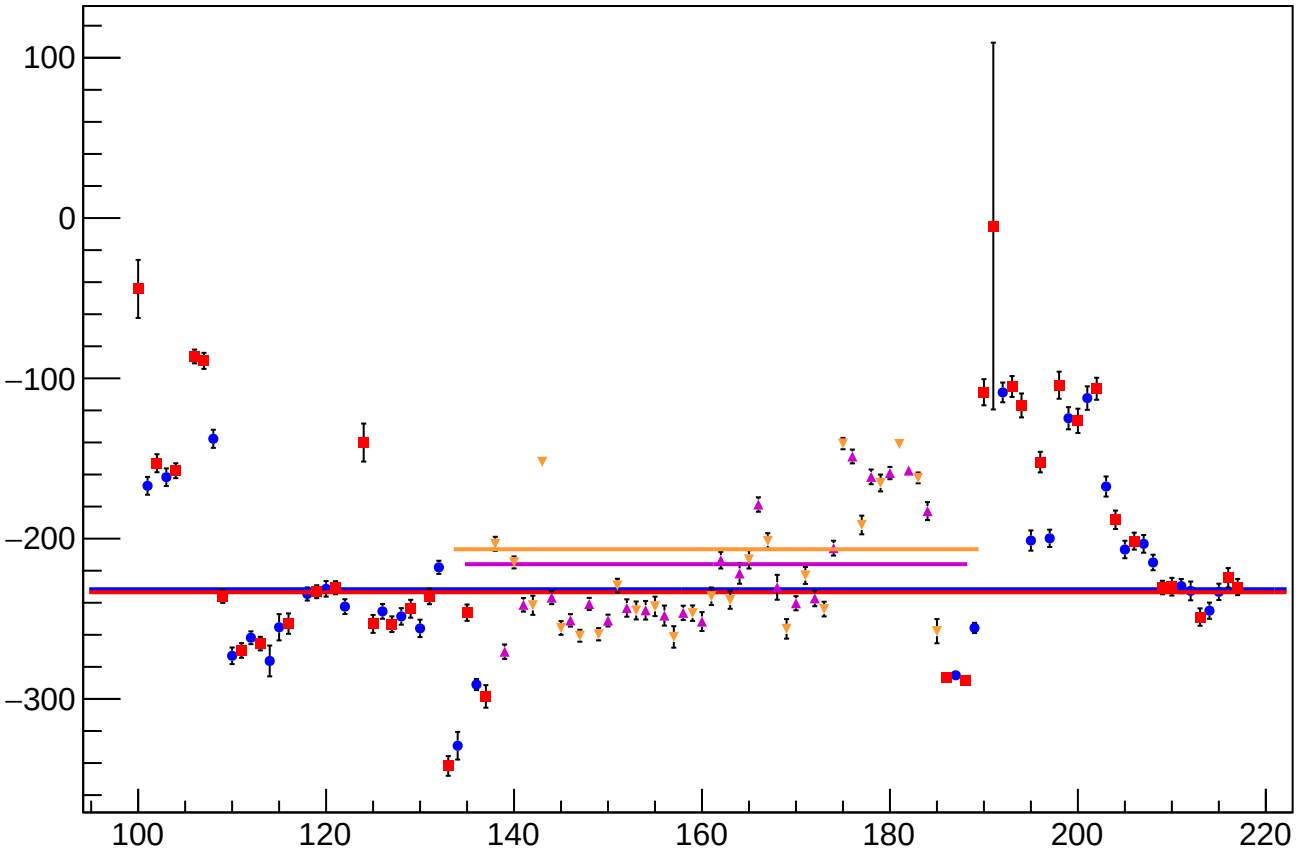
Right Out: -8.417+/-0.893 χ^2/NDF: 972.0/35

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.157+/-0.548 χ^2/NDF: 1523.4/55

All: -0.339+/-0.391 χ^2/NDF: 3170.5/114

- sign -0.528+/-0.558 χ^2/NDF: 1646.9/58



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Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

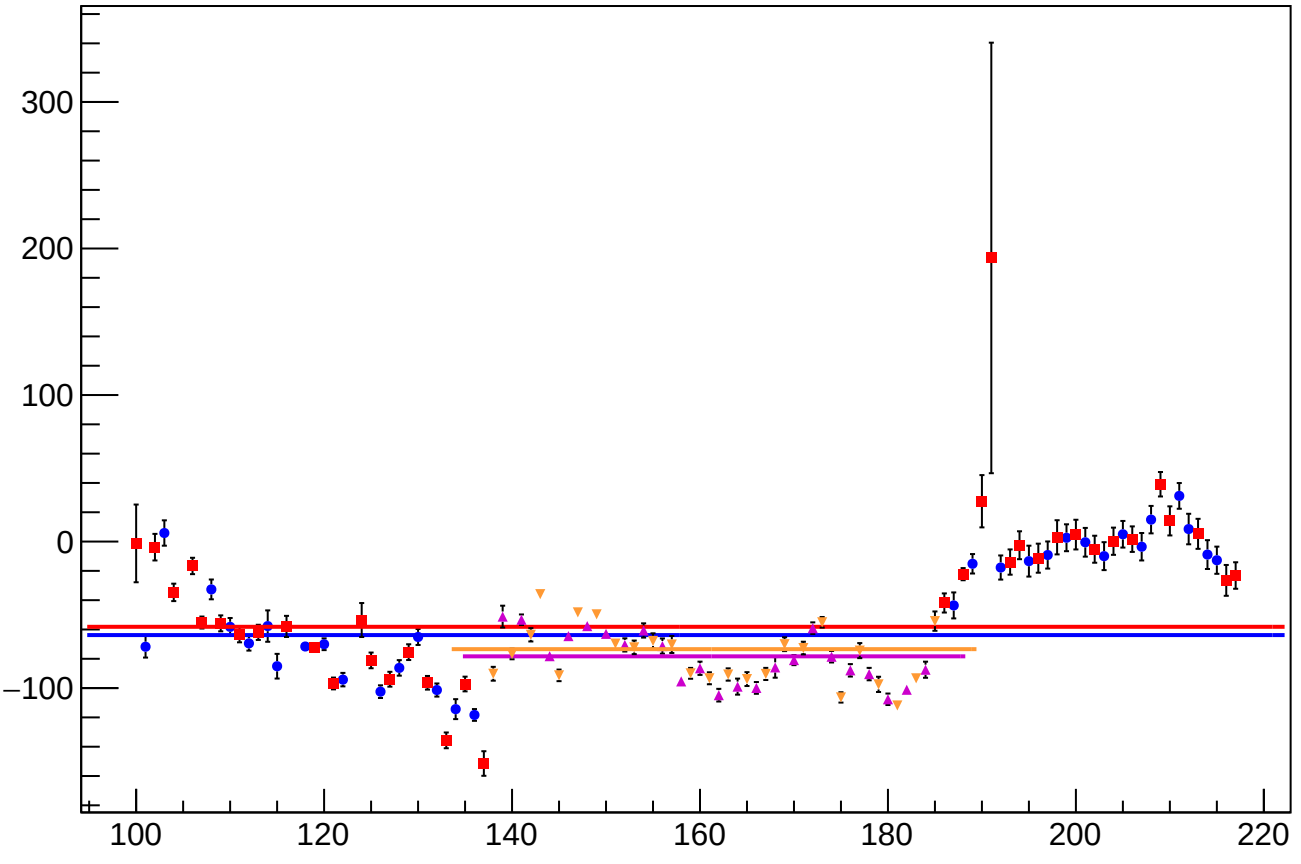
Right Out: -233.452+/-0.783 χ^2/NDF: 6671.0/35

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.175+/-0.631 χ^2/NDF: 5550.0/55

All: -222.912+/-0.436 χ^2/NDF: 14203.5/114

- sign -226.331+/-0.603 χ^2/NDF: 8586.3/58



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All: -70.597+/-0.453 χ^2/NDF: 4168.7/114

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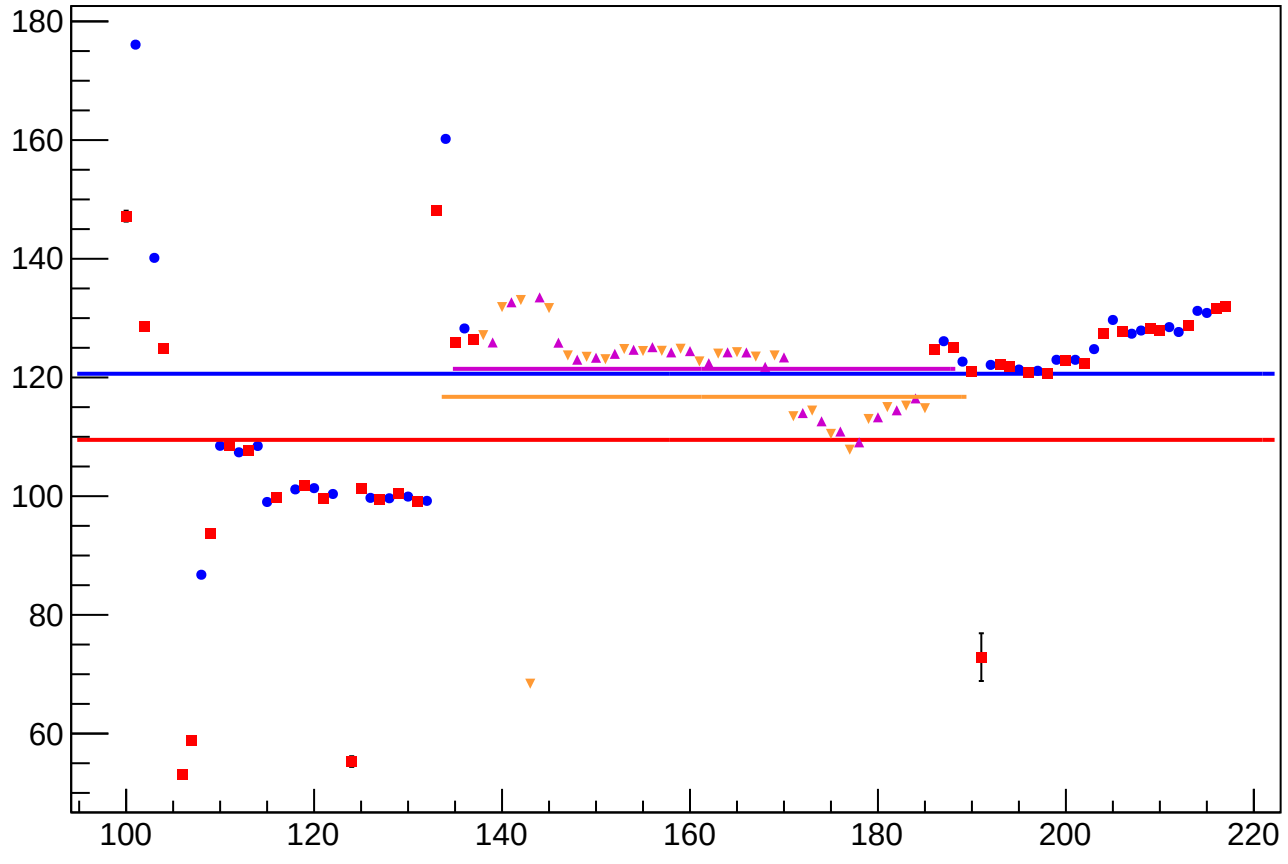

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Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.489+/-0.054 χ^2/NDF: 216875.2/35

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.781+/-0.031 χ^2/NDF: 306705.3/55

All: 117.706+/-0.022 χ^2/NDF: 585337.0/114

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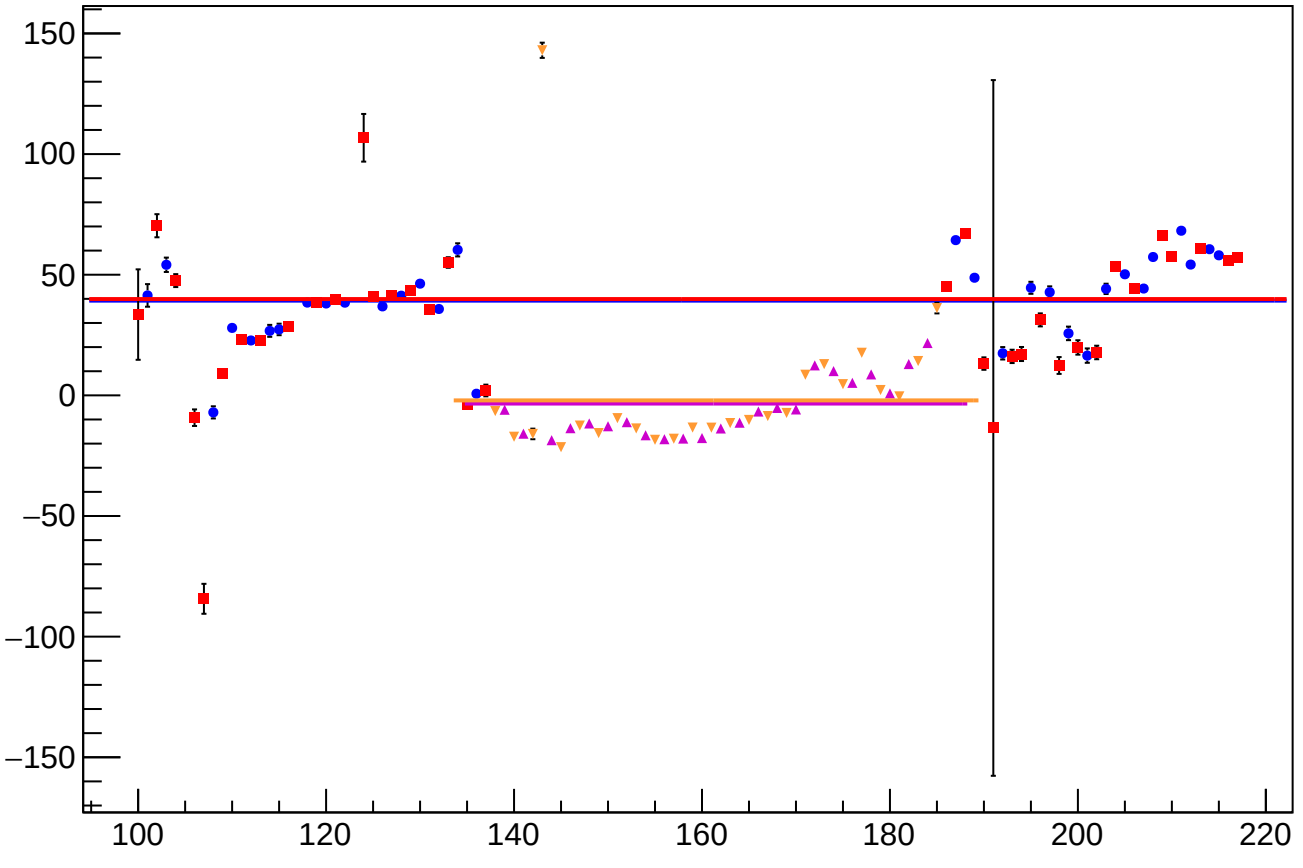


Right In: 39.269+/-0.316 χ^2/NDF: 3311.5/30

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

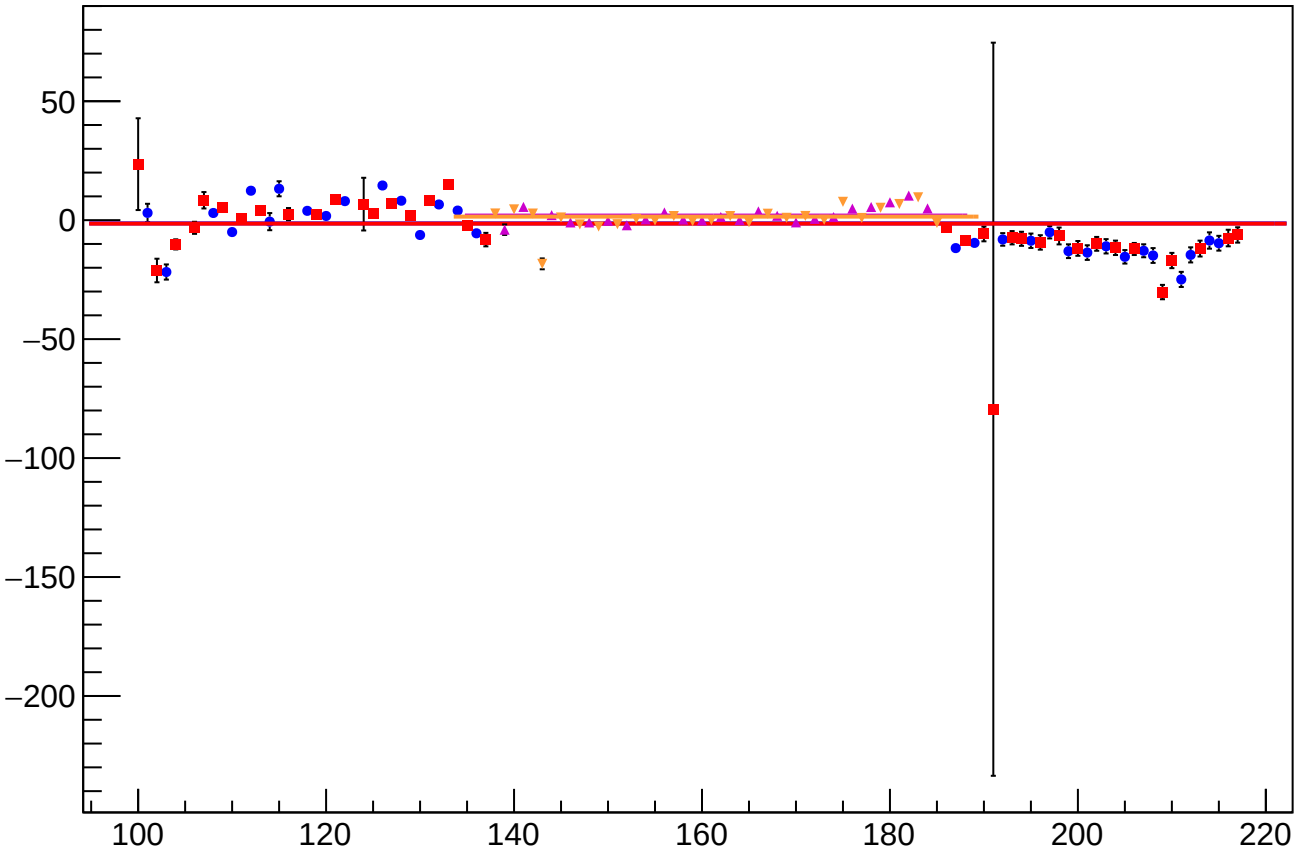
Right Out: 39.908+/-0.286 χ^2/NDF: 5514.1/35

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 15.100+/-0.204 χ^2/NDF: 17503.8/55

All: 16.160+/-0.142 χ^2/NDF: 36904.8/114

\- sign 17.146+/-0.197 χ^2/NDF: 19348.9/58



Right In: -1.355+/-0.371 χ^2/NDF: 598.7/30

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

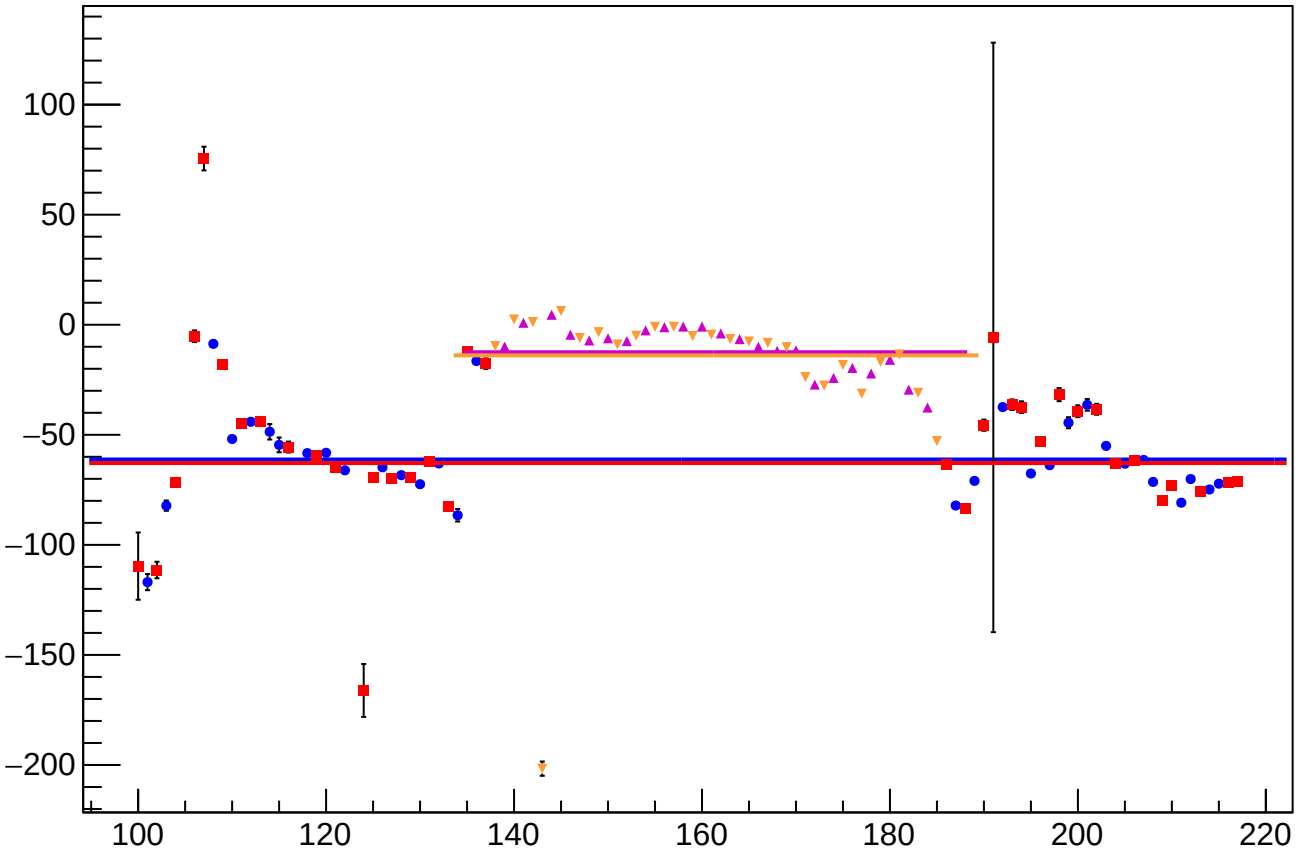
Right Out: -1.456+/-0.348 χ^2/NDF: 543.9/35

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.825+/-0.179 χ^2/NDF: 972.2/55

All: 0.924+/-0.127 χ^2/NDF: 1826.9/114

\- sign 1.025+/-0.180 χ^2/NDF: 854.1/58



Right In: -61.224+/-0.328 χ^2/NDF: 3665.0/30

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.843+/-0.284 χ^2/NDF: 5714.5/35

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

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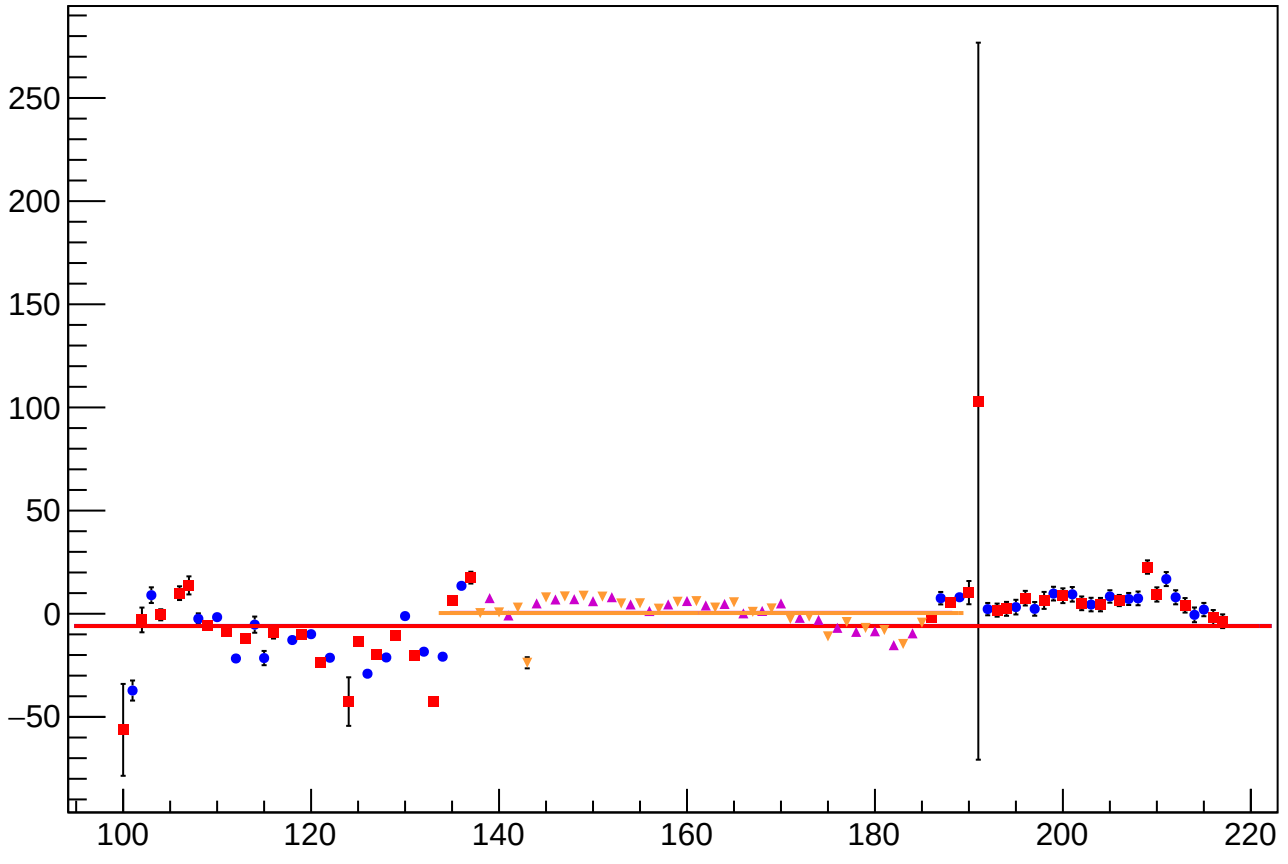
All: -34.487+/-0.142 χ^2/NDF: 45246.3/114

- sign -36.236+/-0.195 χ^2/NDF: 23701.6/58



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Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

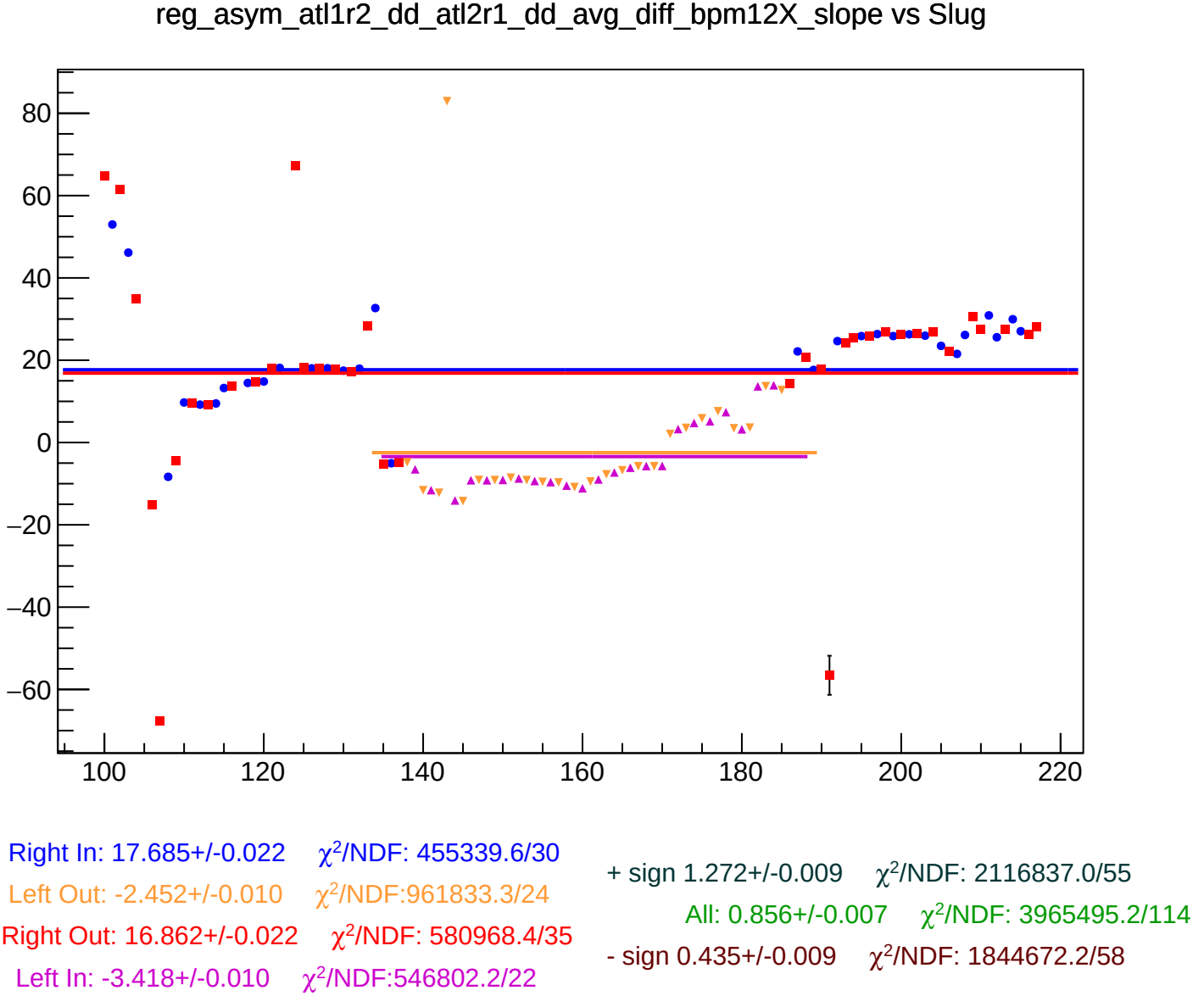
Right Out: -5.966+/-0.415 χ^2/NDF: 1051.9/35

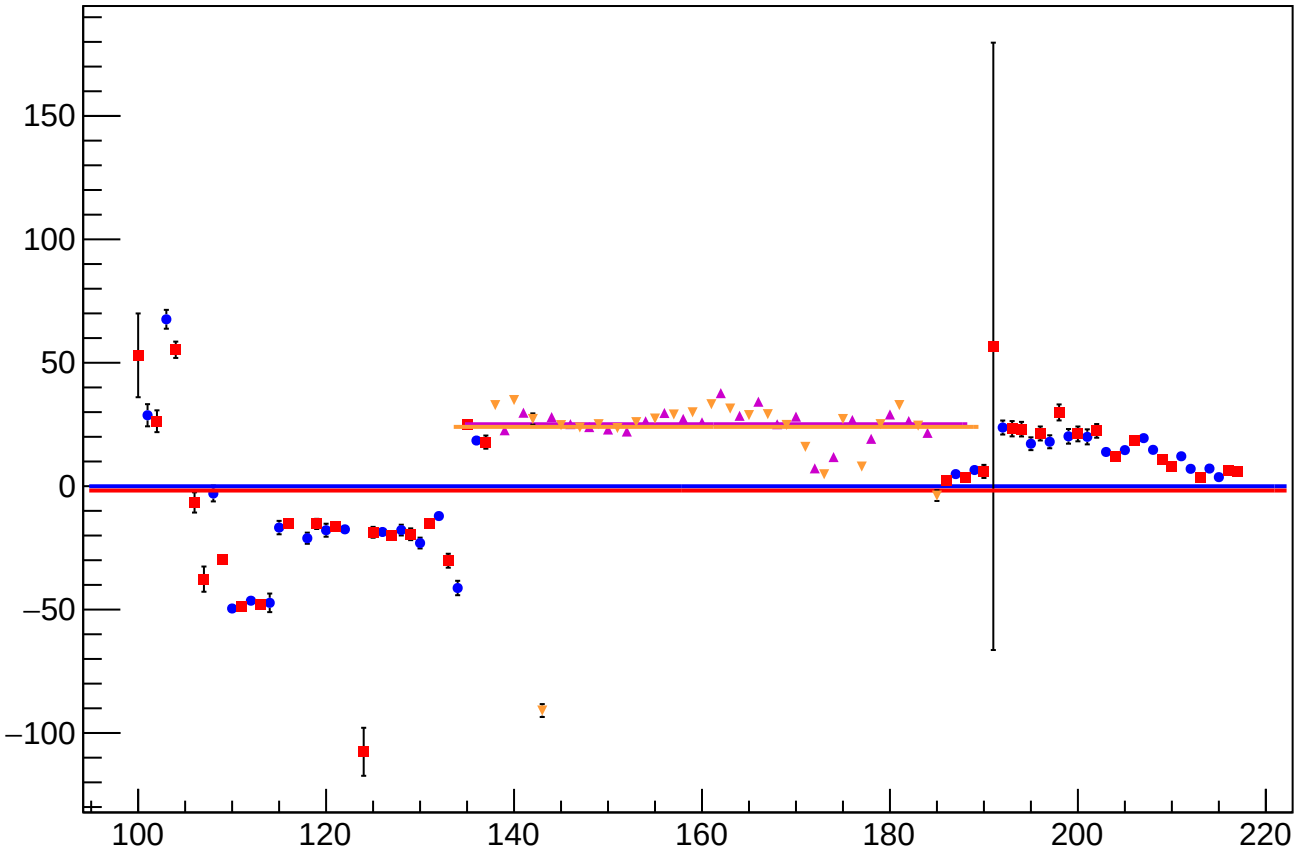
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.060+/-0.204 χ^2/NDF: 2096.0/55

All: -1.098+/-0.145 χ^2/NDF: 4109.5/114

\- sign -1.138+/-0.206 χ^2/NDF: 2013.4/58


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
220
Right In: 17.685+/-0.022 χ²/NDF: 455339.6/30
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 16.862+/-0.022 χ²/NDF: 580968.4/35
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign 1.272+/-0.009 χ²/NDF: 2116837.0/55
All: 0.856+/-0.007 χ²/NDF: 3965495.2/114
- sign 0.435+/-0.009 χ²/NDF: 1844672.2/58



Right In: -0.042+/-0.355 χ^2/NDF: 3711.0/30

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.767+/-0.337 χ^2/NDF: 3941.8/35

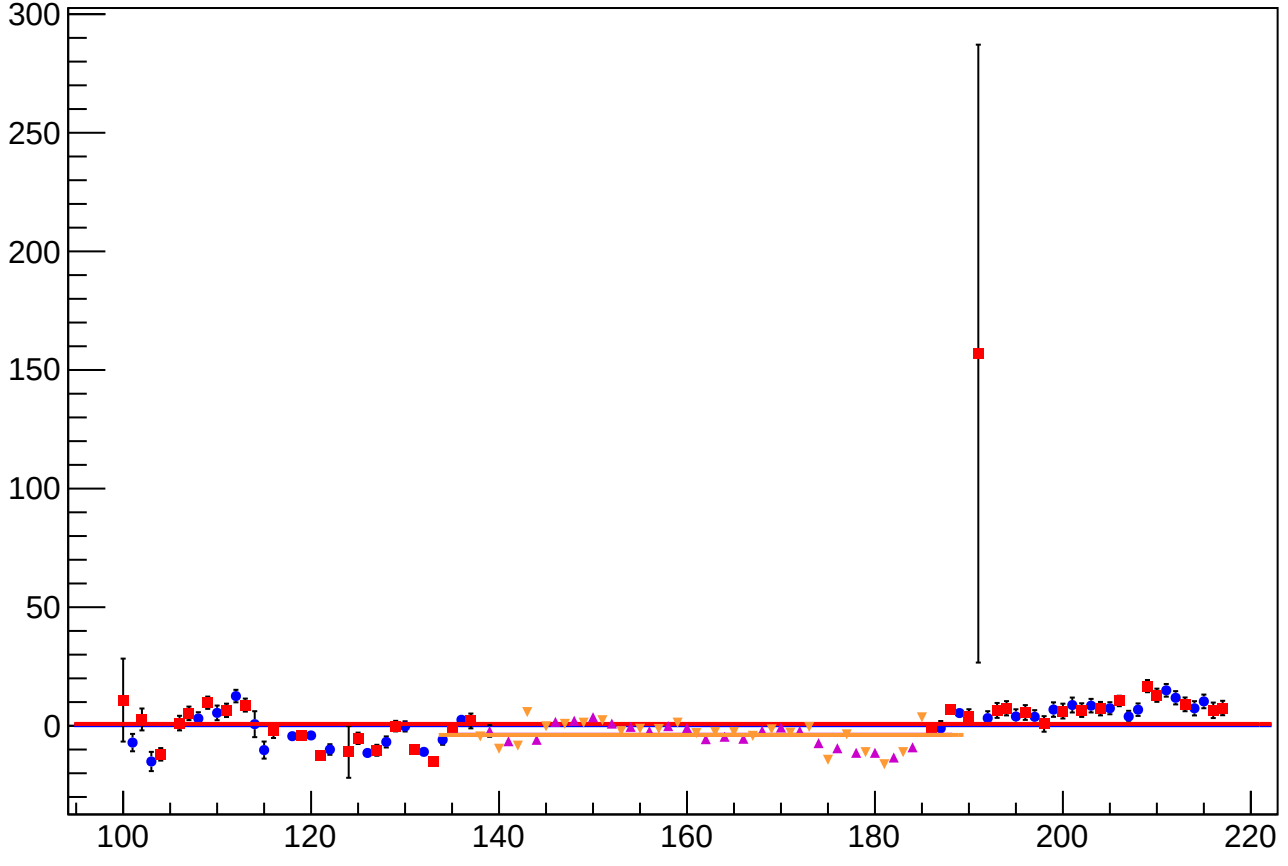
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 14.724+/-0.221 χ^2/NDF: 9327.7/55

All: 14.259+/-0.155 χ^2/NDF: 17448.0/114

\- sign 13.803+/-0.219 χ^2/NDF: 8111.5/58

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.265+/-0.436 χ^2/NDF: 286.5/30

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

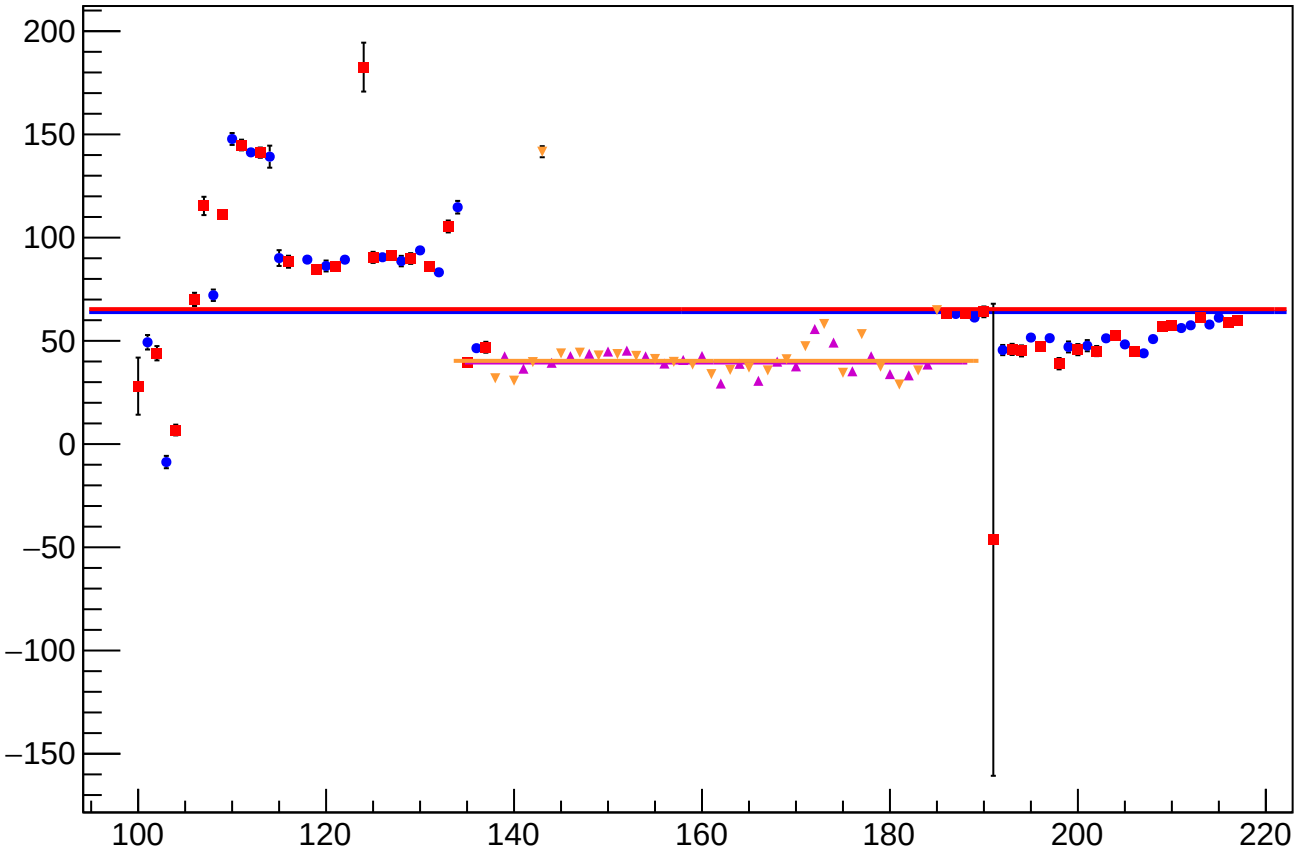
Right Out: 0.798+/-0.420 χ^2/NDF: 363.6/35

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.024+/-0.195 χ^2/NDF: 1007.0/55

All: -2.898+/-0.139 χ^2/NDF: 1973.9/114

- sign -2.769+/-0.197 χ^2/NDF: 966.0/58



Right In: 63.936+/-0.367 χ^2/NDF: 4678.2/30

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

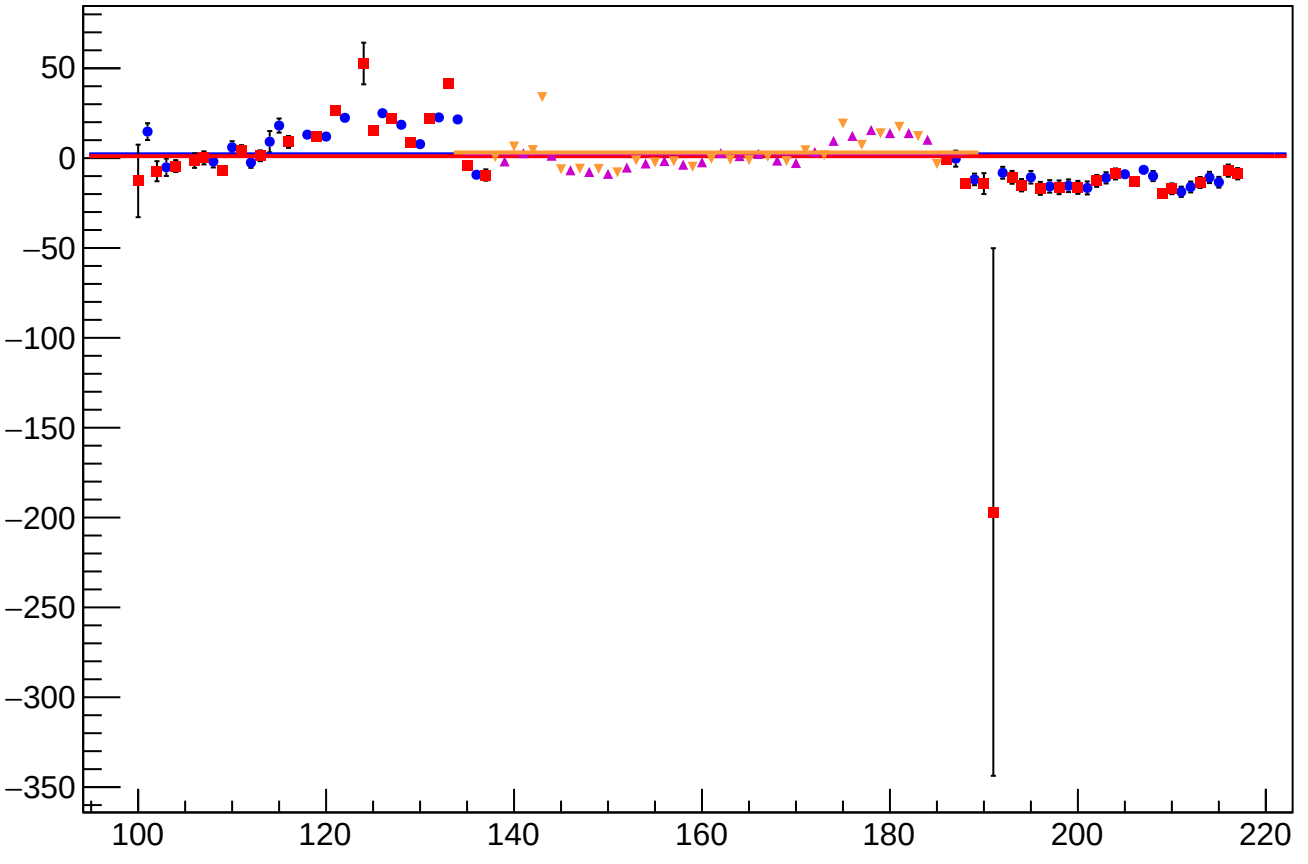
Right Out: 65.360+/-0.340 χ^2/NDF: 4856.7/35

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.023+/-0.223 χ^2/NDF: 9481.9/55

All: 49.601+/-0.156 χ^2/NDF: 18181.7/114

- sign 50.157+/-0.218 χ^2/NDF: 8686.5/58



Right In: 2.112+/-0.496 χ^2/NDF: 850.3/30

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

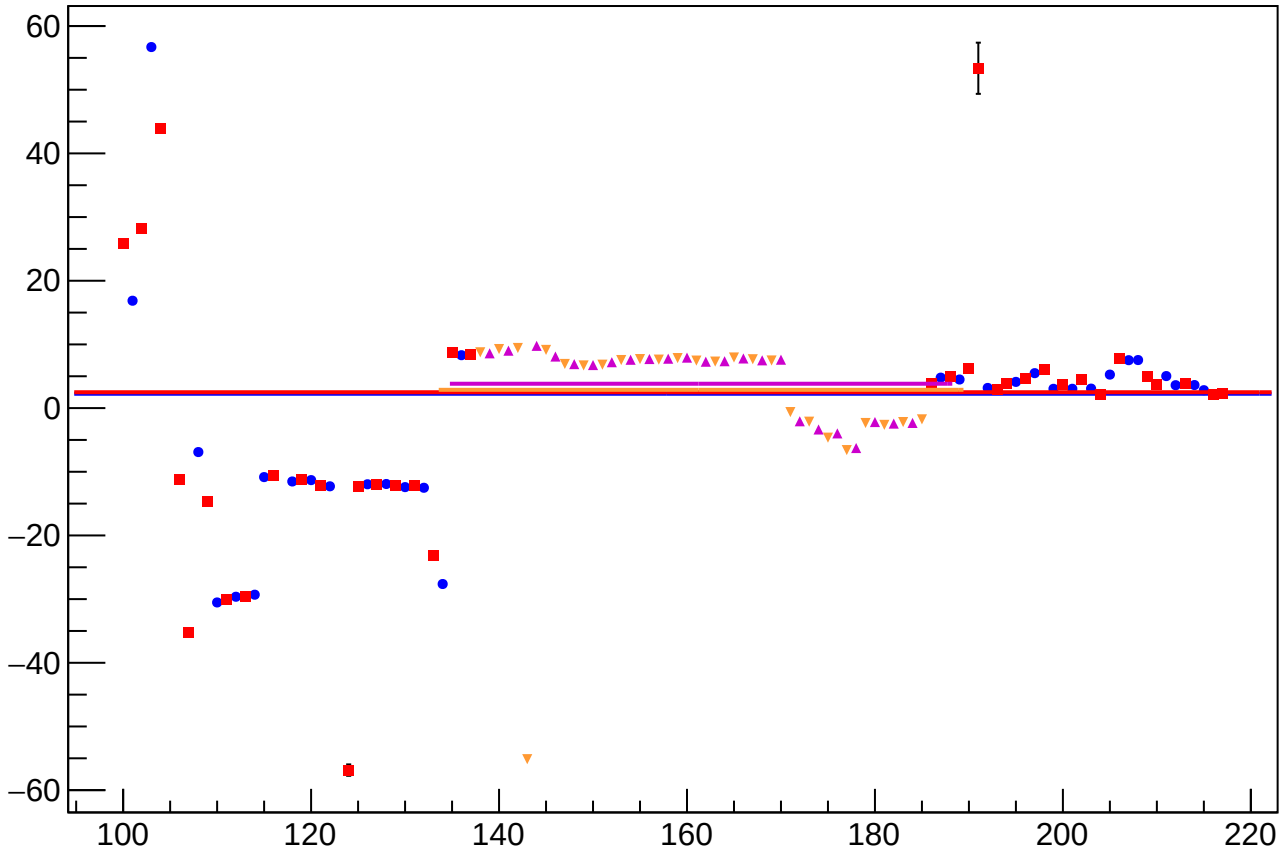
Right Out: 1.091+/-0.490 χ^2/NDF: 1042.2/35

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

\+ sign 2.939+/-0.220 χ^2/NDF: 2120.8/55

All: 2.586+/-0.157 χ^2/NDF: 4143.2/114

\- sign 2.221+/-0.223 χ^2/NDF: 2017.1/58



Right In: 2.252+/-0.024 χ^2/NDF: 383014.4/30

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.490+/-0.024 χ^2/NDF: 330761.8/35

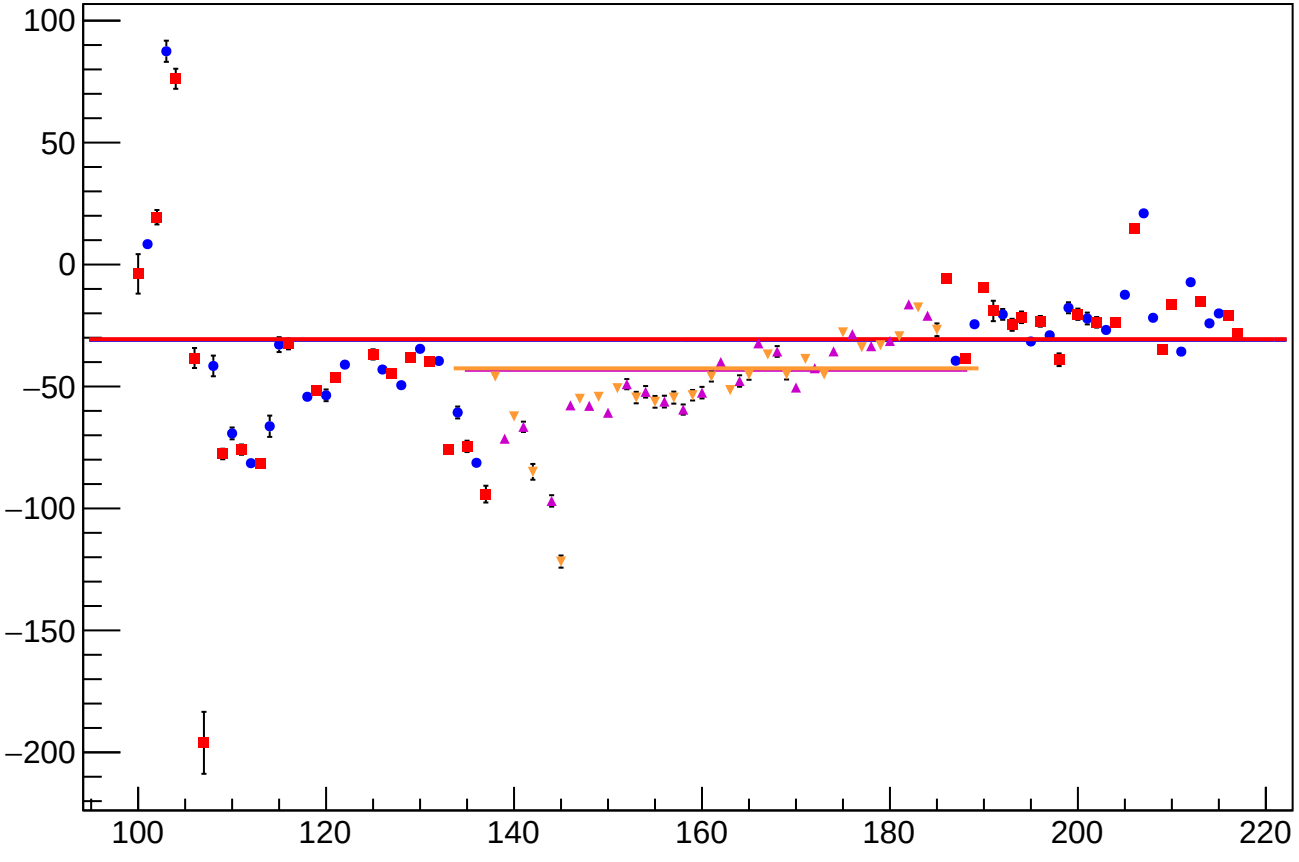
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.760+/-0.010 χ^2/NDF: 895910.1/55

All: 3.168+/-0.007 χ^2/NDF: 1465909.7/114

- sign 3.582+/-0.010 χ^2/NDF: 566615.5/58

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.874+/-0.327 χ^2/NDF: 5428.4/30

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.603+/-0.301 χ^2/NDF: 6554.9/34

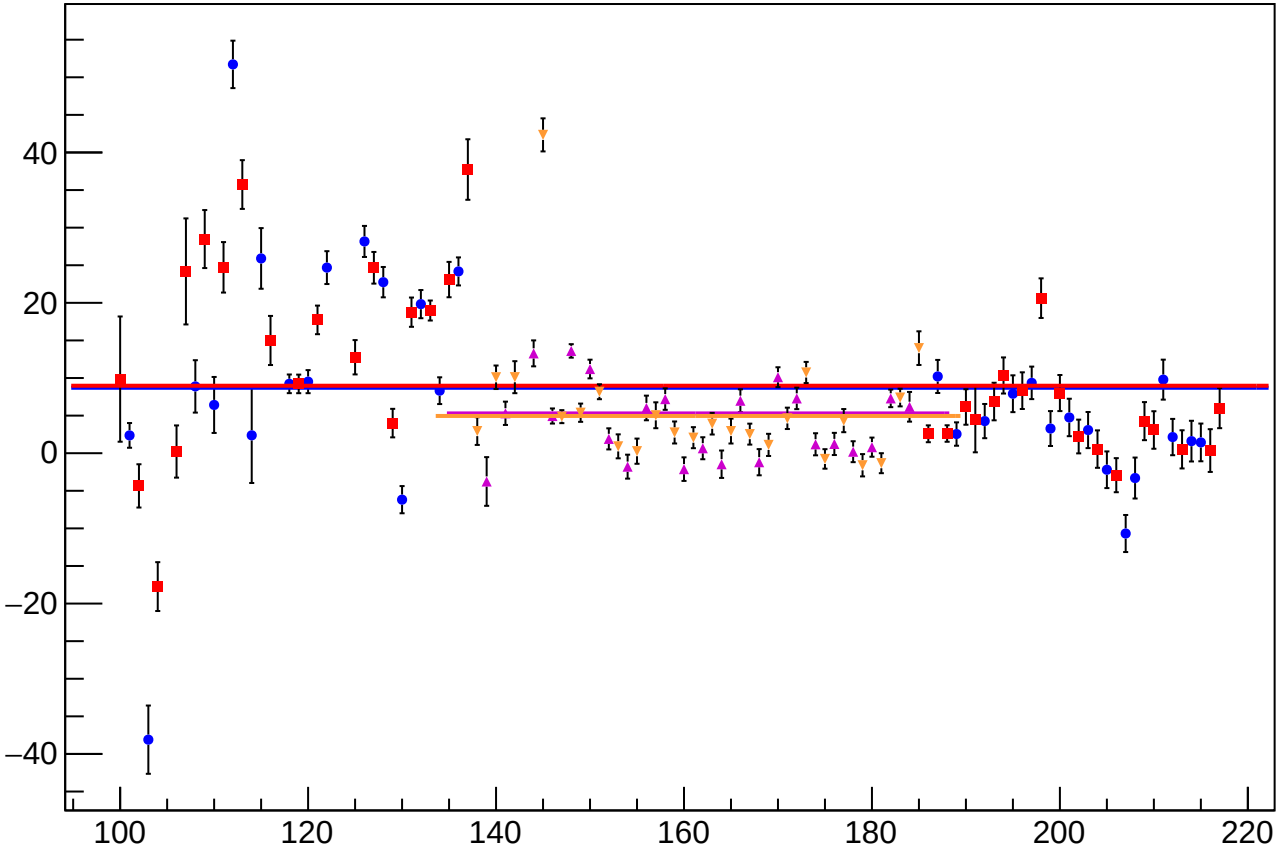
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -35.863+/-0.247 χ^2/NDF: 8301.7/54

All: -35.635+/-0.171 χ^2/NDF: 17731.0/112

\- sign -35.426+/-0.237 χ^2/NDF: 9427.7/57

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.705+/-0.392 χ^2/NDF: 847.4/30

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.975+/-0.369 χ^2/NDF: 642.4/34

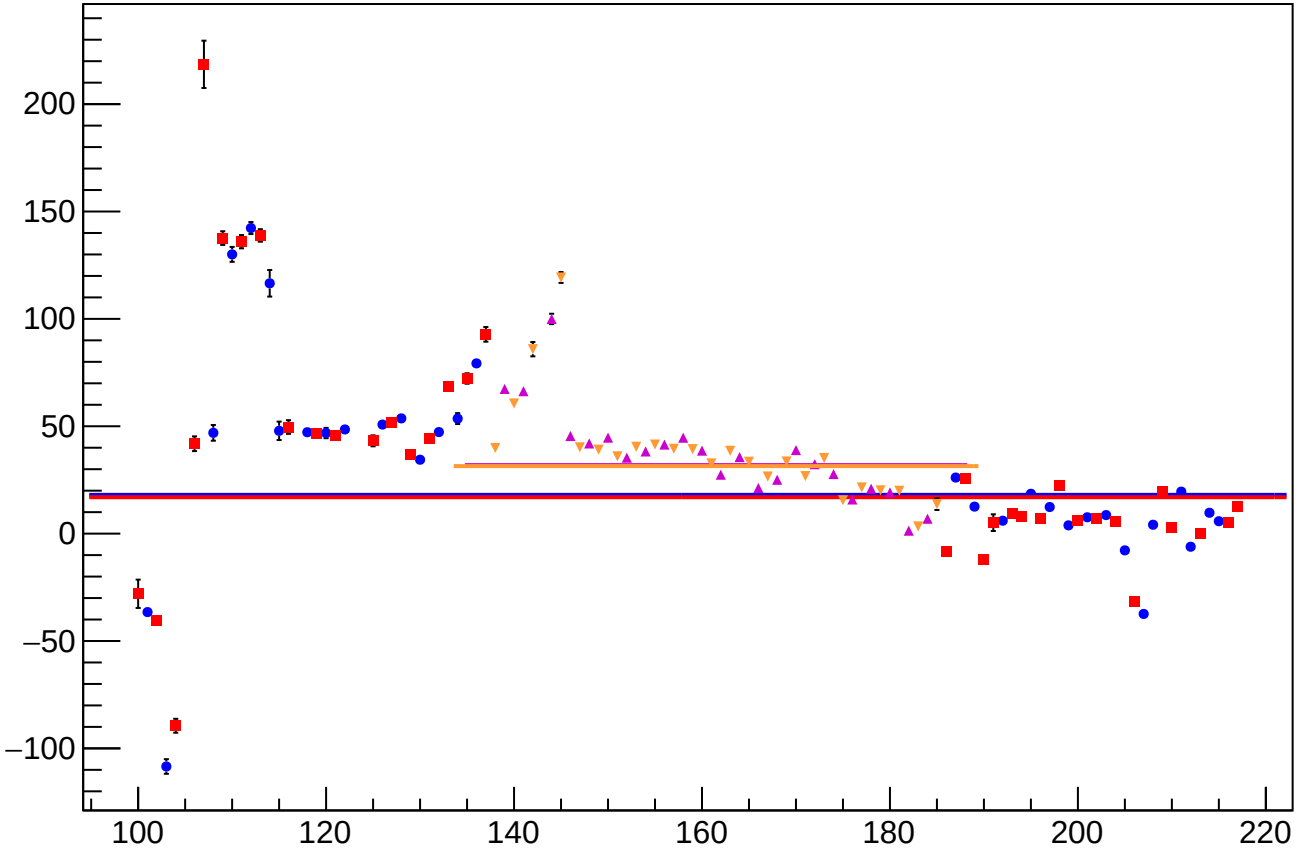
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

\+ sign 6.272+/-0.232 χ^2/NDF: 1355.8/54

All: 6.500+/-0.163 χ^2/NDF: 2347.4/112

\- sign 6.723+/-0.230 χ^2/NDF: 989.7/57

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 18.055+/-0.327 χ^2/NDF: 11142.3/30

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.956+/-0.290 χ^2/NDF: 12892.3/34

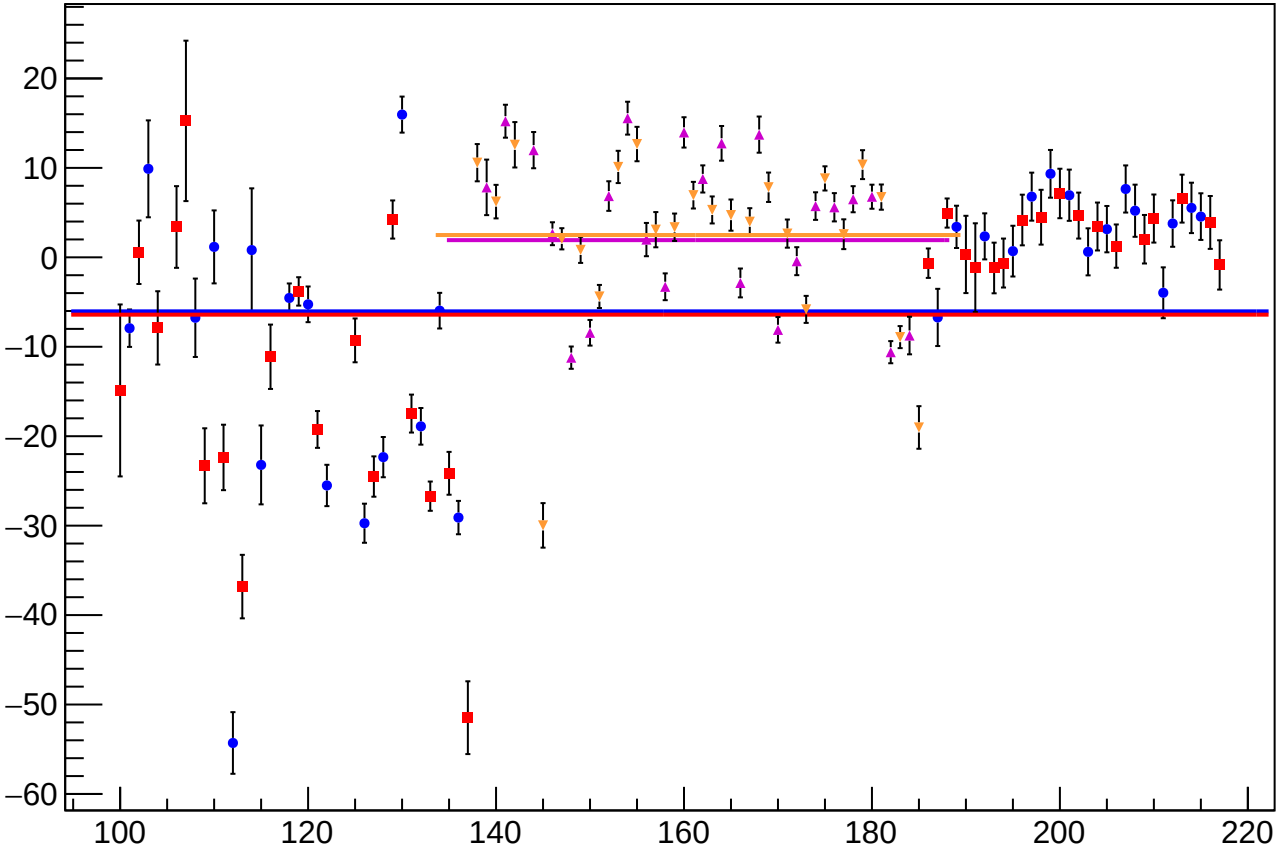
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 23.821+/-0.246 χ^2/NDF: 14627.3/54

All: 23.115+/-0.168 χ^2/NDF: 31284.1/112

- sign 22.498+/-0.230 χ^2/NDF: 16641.4/57

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -6.040+/-0.455 χ^2/NDF: 995.9/30

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

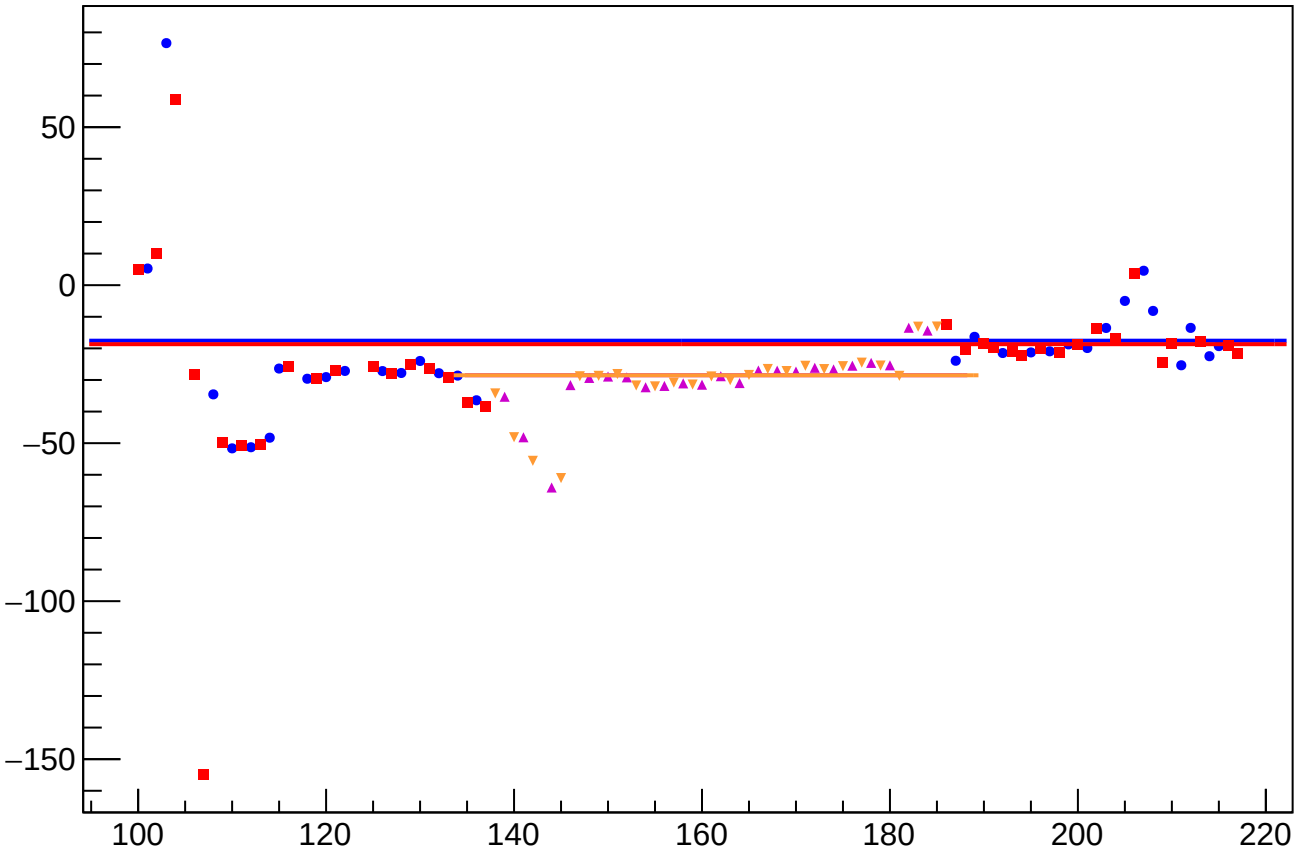
Right Out: -6.410+/-0.442 χ^2/NDF: 846.6/34

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.411+/-0.265 χ^2/NDF: 1786.9/54

All: -0.749+/-0.188 χ^2/NDF: 3542.9/112

- sign -1.086+/-0.265 χ^2/NDF: 1752.8/57



Right In: -17.570+/-0.021 χ^2/NDF: 732425.8/30

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.676+/-0.021 χ^2/NDF: 625722.6/34

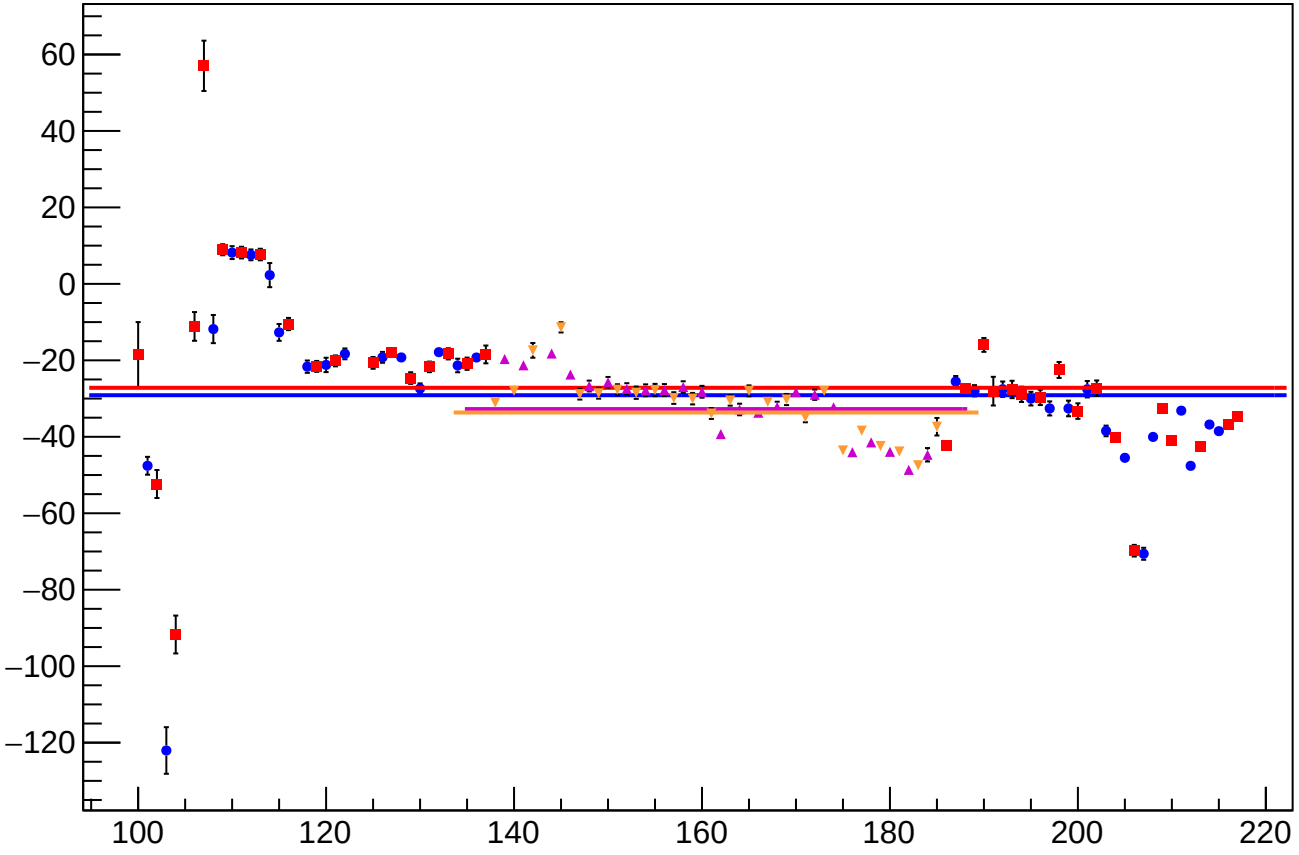
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -24.966+/-0.012 χ^2/NDF: 1244259.5/54

All: -25.076+/-0.009 χ^2/NDF: 2306164.7/112

\- sign -25.184+/-0.012 χ^2/NDF: 1061742.1/57

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -29.126+/-0.264 χ^2/NDF: 3482.6/30

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.185+/-0.256 χ^2/NDF: 4016.3/34

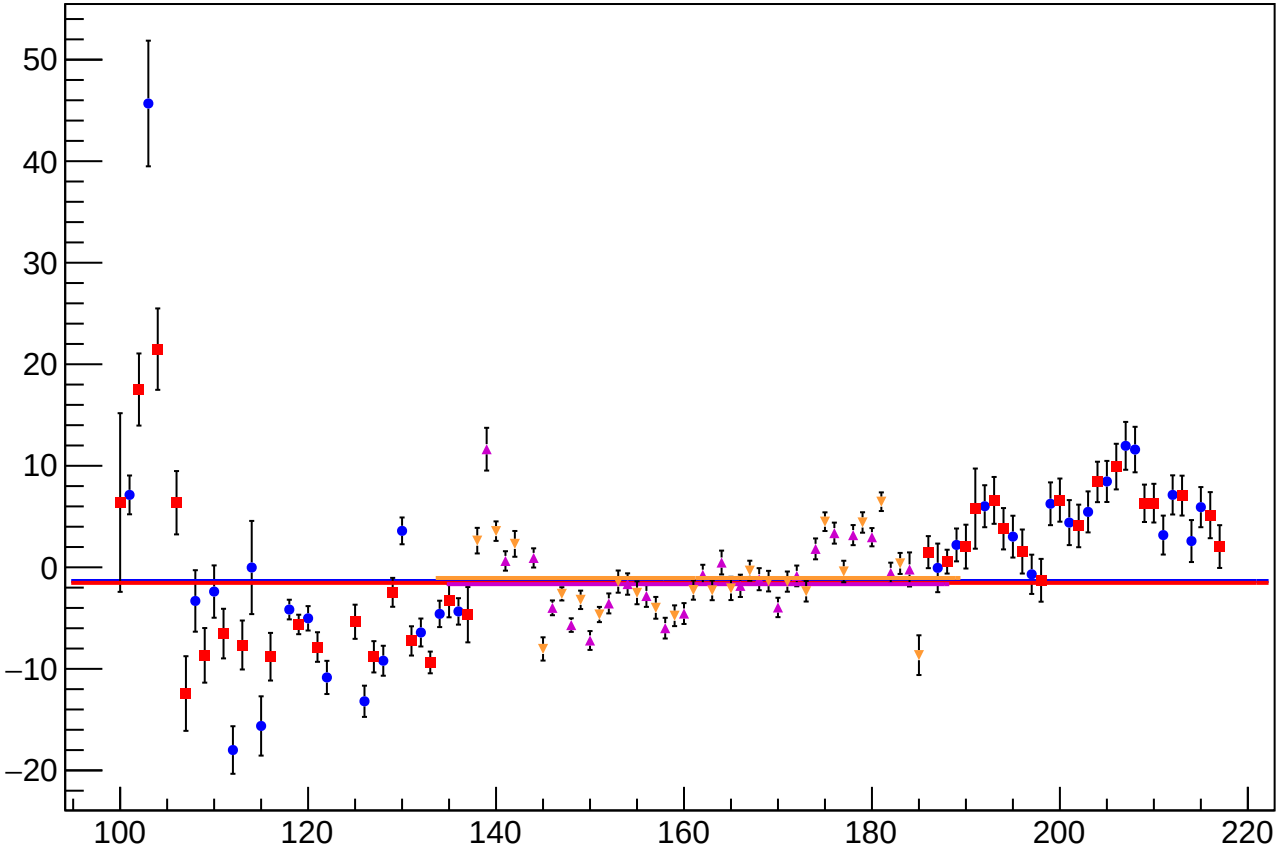
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -31.370+/-0.187 χ^2/NDF: 4644.6/54

All: -30.594+/-0.132 χ^2/NDF: 10063.9/112

- sign -29.831+/-0.185 χ^2/NDF: 5385.0/57

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.346+/-0.319 χ^2/NDF: 515.2/30

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.530+/-0.315 χ^2/NDF: 414.8/34

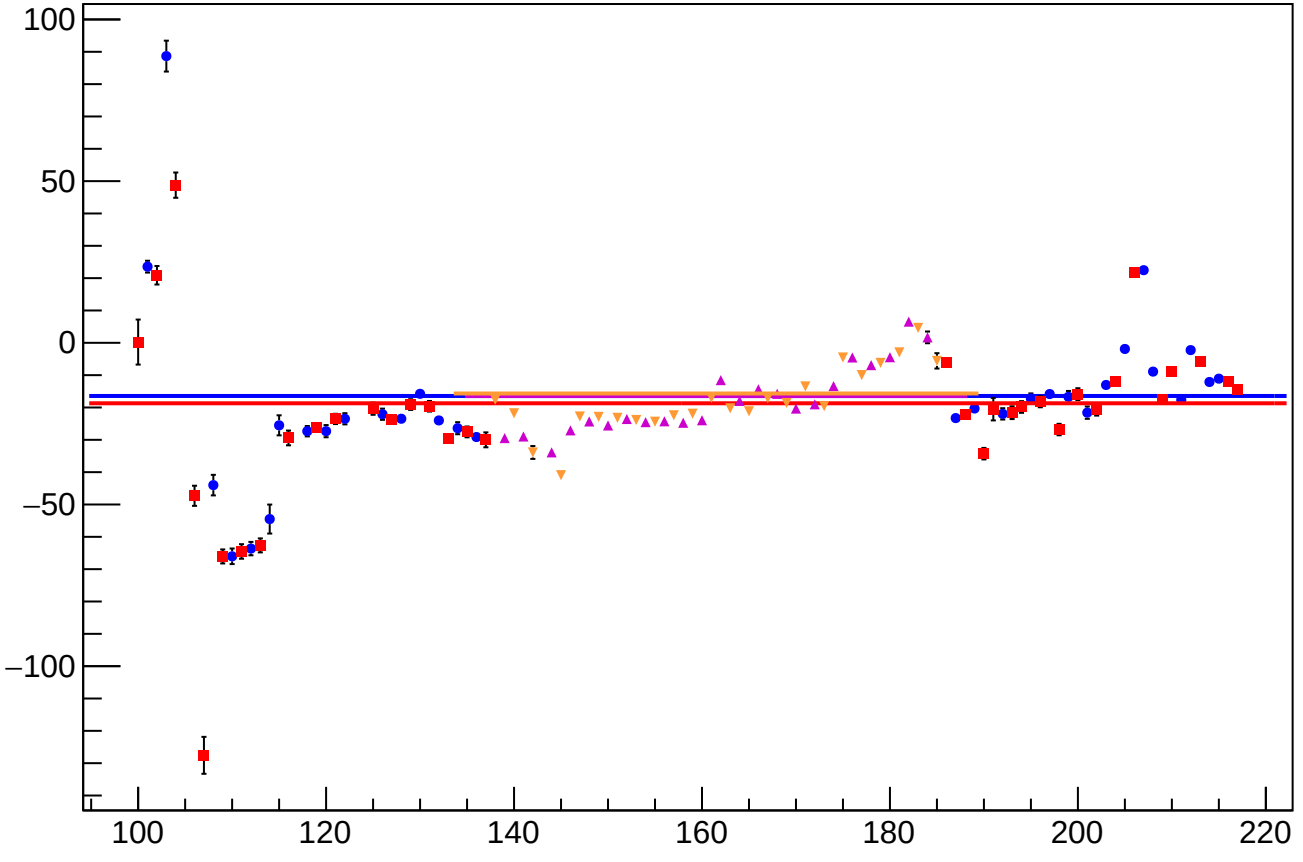
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.135+/-0.171 χ^2/NDF: 805.2/54

All: -1.375+/-0.122 χ^2/NDF: 1488.4/112

- sign -1.620+/-0.173 χ^2/NDF: 679.3/57

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -16.437+/-0.273 χ^2/NDF: 3475.6/30

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.699+/-0.261 χ^2/NDF: 3763.8/34

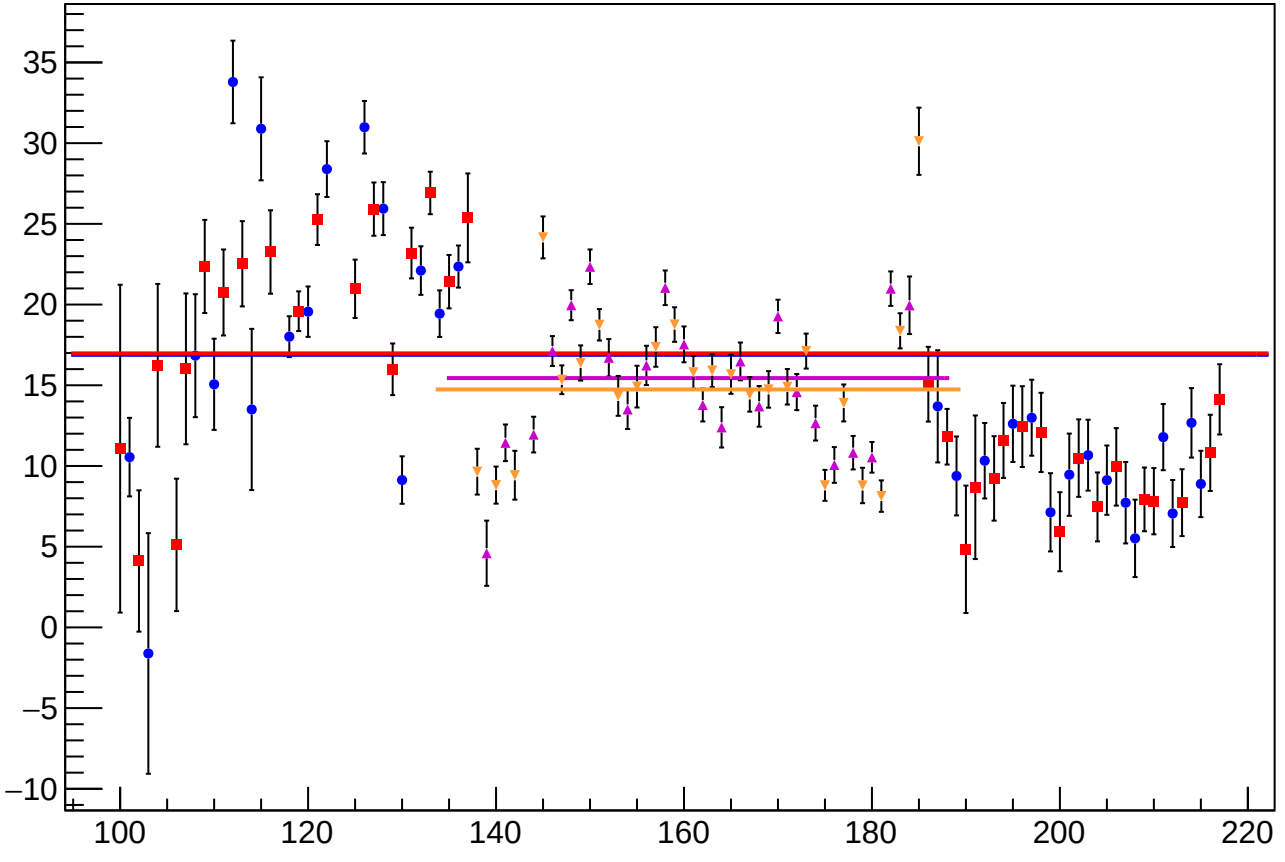
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -16.041+/-0.190 χ^2/NDF: 5000.5/54

All: -16.841+/-0.133 χ^2/NDF: 10532.5/112

\- sign -17.612+/-0.186 χ^2/NDF: 5497.0/57

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.887+/-0.364 χ^2/NDF: 444.2/30

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.975+/-0.365 χ^2/NDF: 358.8/34

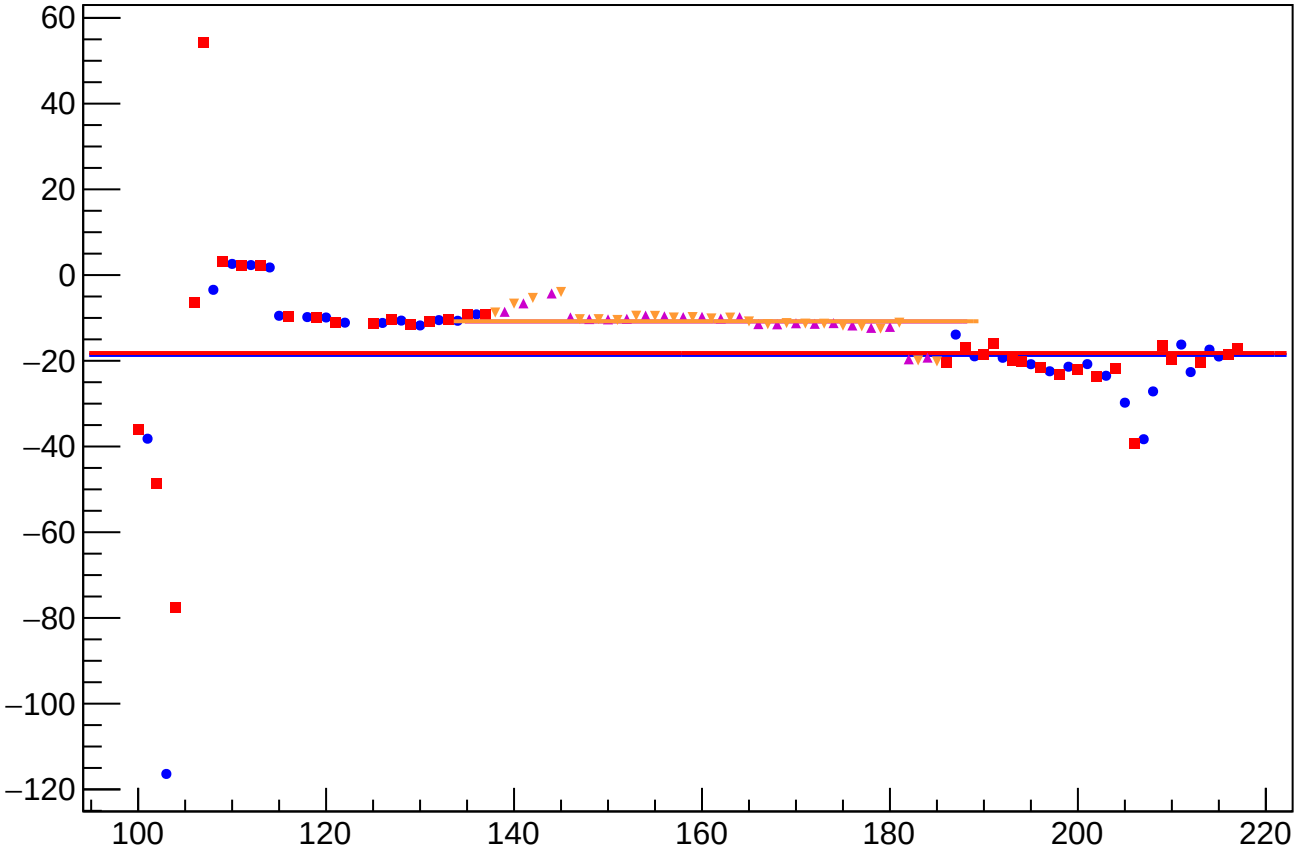
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.351+/-0.194 χ^2/NDF: 800.1/54

All: 15.616+/-0.138 χ^2/NDF: 1465.6/112

- sign 15.888+/-0.196 χ^2/NDF: 661.7/57

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.634+/-0.018 χ^2/NDF: 456319.2/30

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.190+/-0.018 χ^2/NDF: 433329.1/34

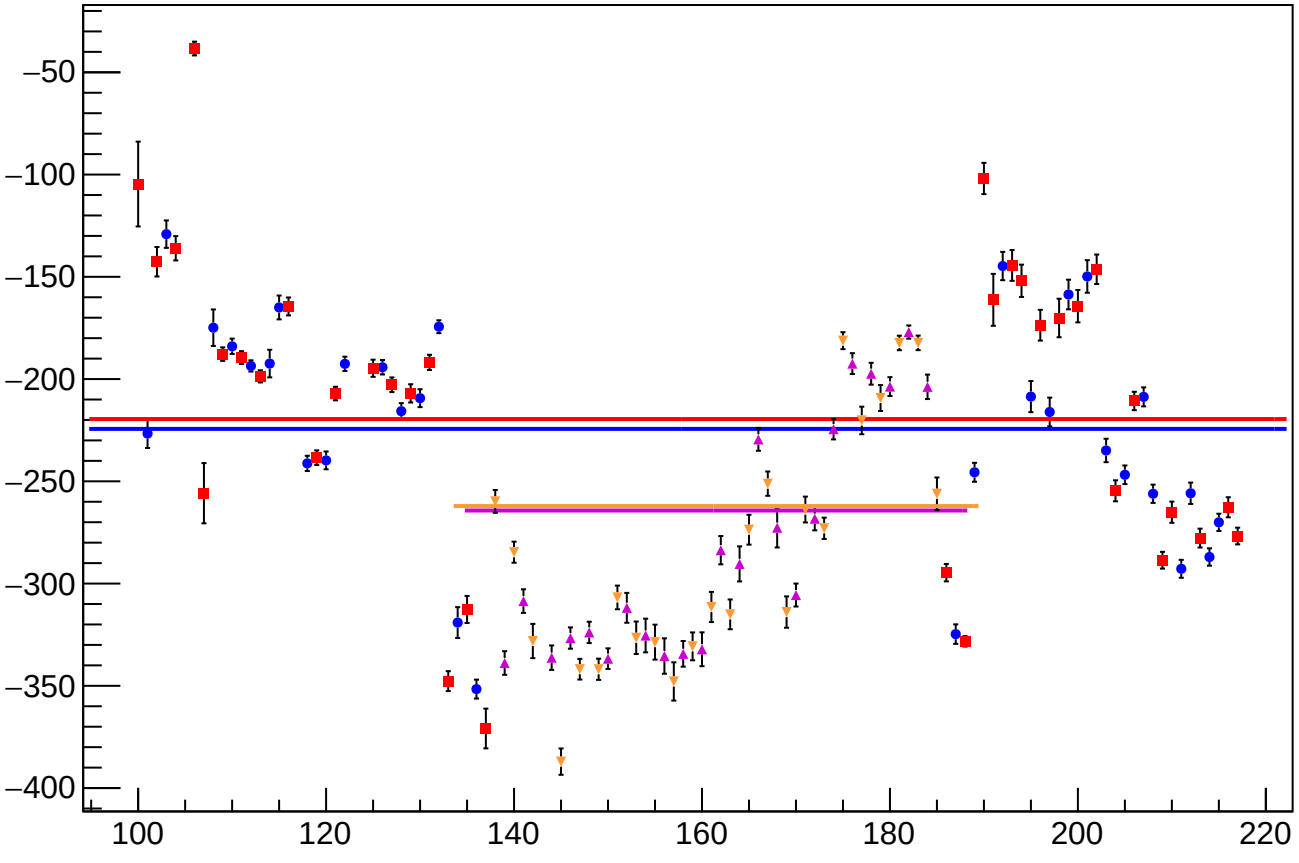
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.736+/-0.009 χ^2/NDF: 686517.7/54

All: -12.712+/-0.006 χ^2/NDF: 1322115.7/112

- sign -12.687+/-0.009 χ^2/NDF: 635582.5/57

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -224.373+/-0.834 χ^2/NDF: 3444.3/30

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -219.556+/-0.775 χ^2/NDF: 8546.6/34

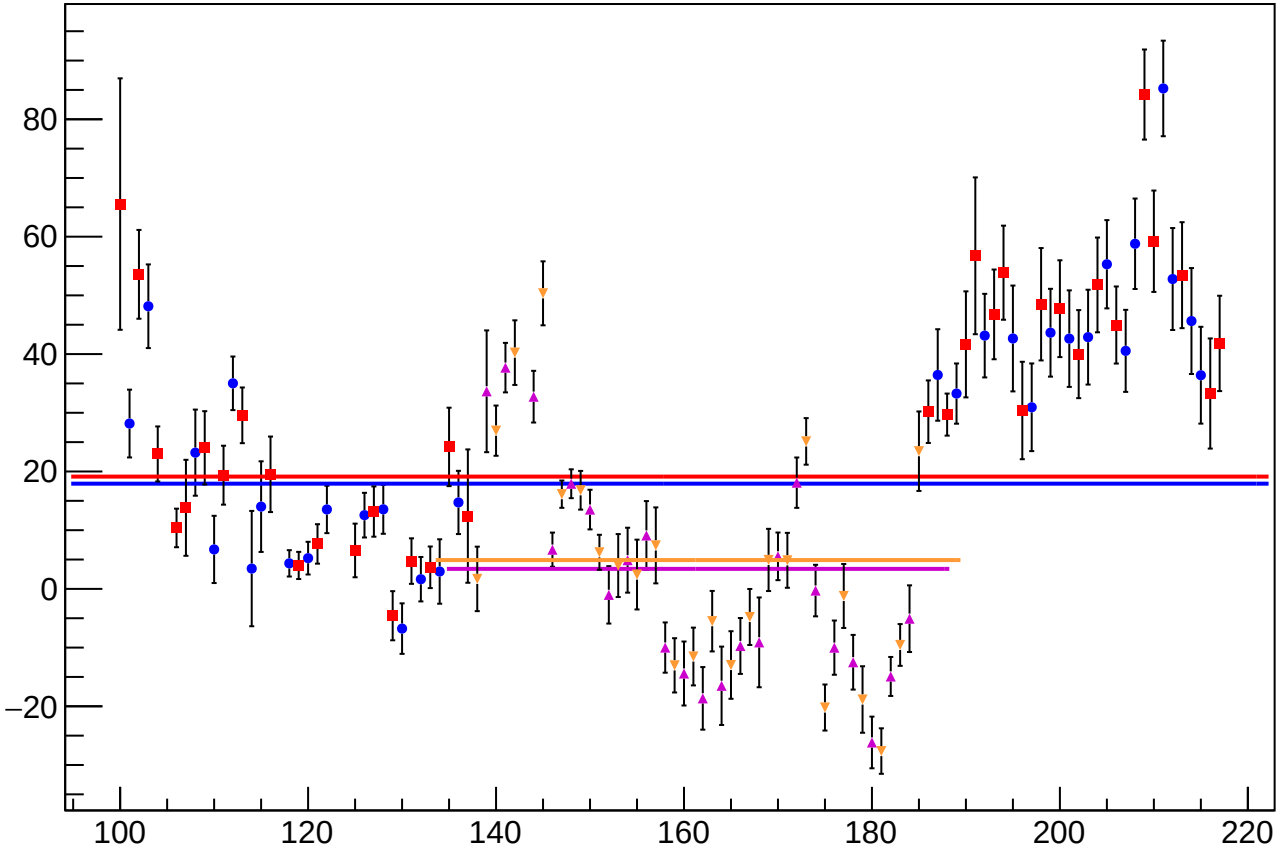
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -236.952+/-0.681 χ^2/NDF: 7091.5/54

All: -234.852+/-0.470 χ^2/NDF: 19394.6/112

- sign -232.945+/-0.649 χ^2/NDF: 12285.0/57

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.924+/-0.935 χ^2/NDF: 393.2/30

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.128+/-0.895 χ^2/NDF: 408.9/34

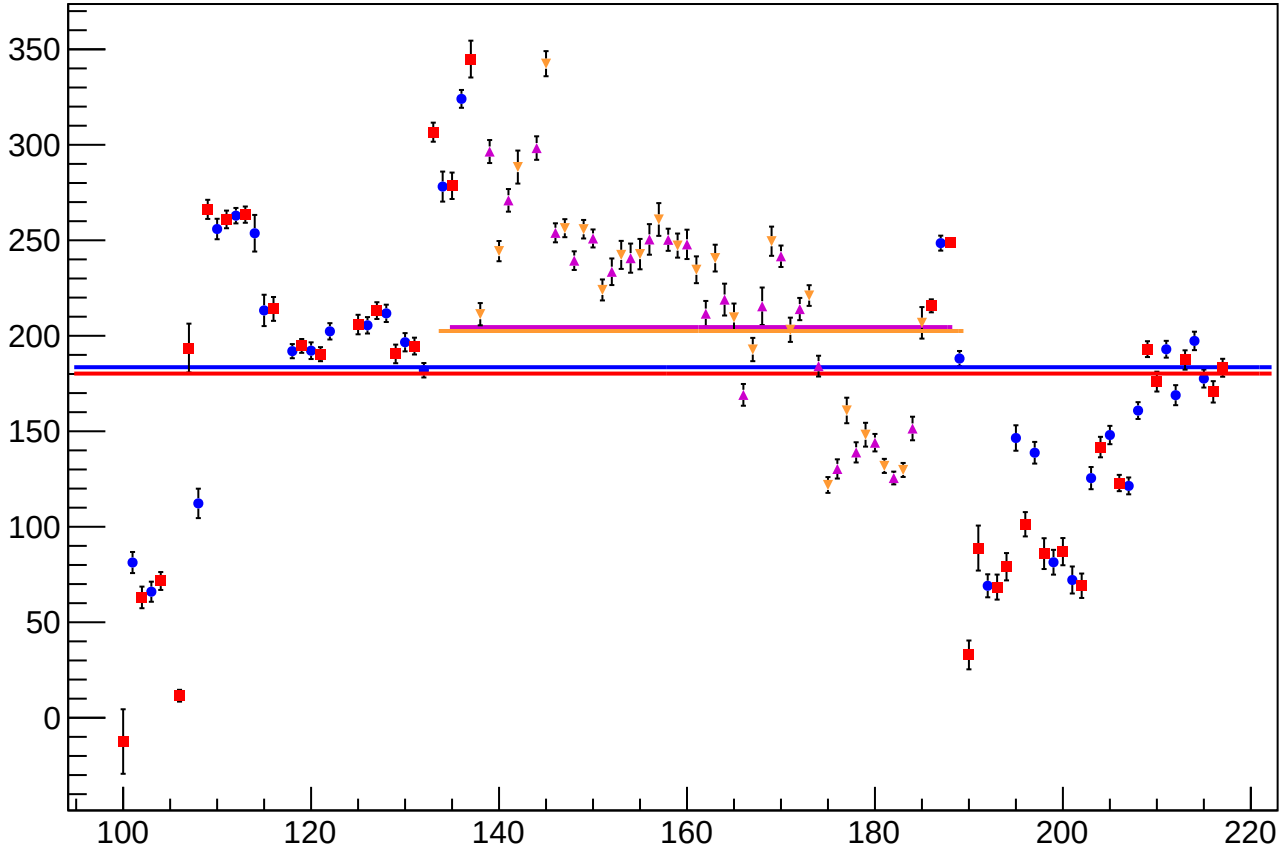
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 11.068+/-0.643 χ^2/NDF: 894.2/54

All: 11.194+/-0.452 χ^2/NDF: 1789.6/112

- sign 11.317+/-0.635 χ^2/NDF: 895.4/57

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.553+/-0.887 χ^2/NDF: 4339.4/30

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.211+/-0.806 χ^2/NDF: 9503.5/34

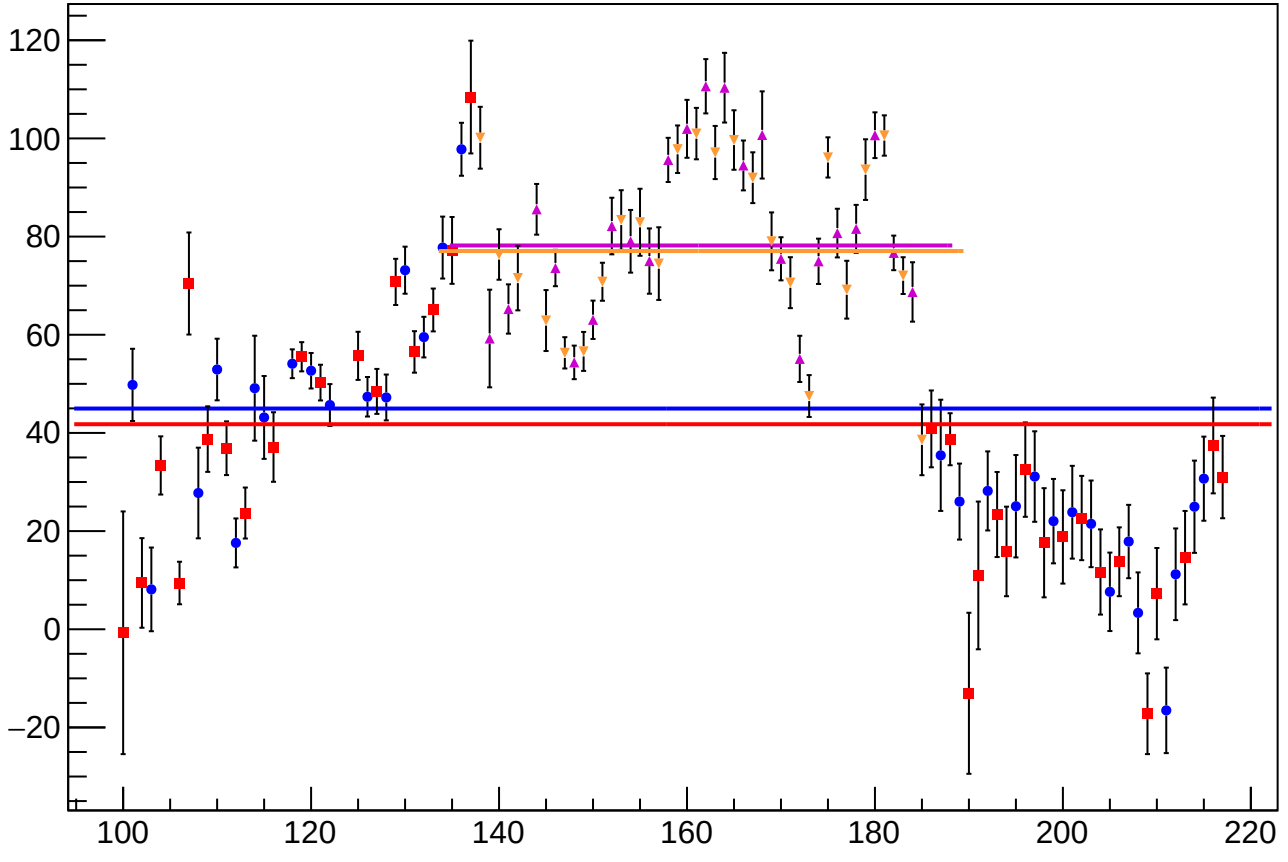
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 190.450+/-0.707 χ^2/NDF: 6899.1/54

All: 189.140+/-0.485 χ^2/NDF: 18986.1/112

- sign 187.982+/-0.665 χ^2/NDF: 12080.5/57

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.969+/-1.088 χ^2/NDF: 406.0/30

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

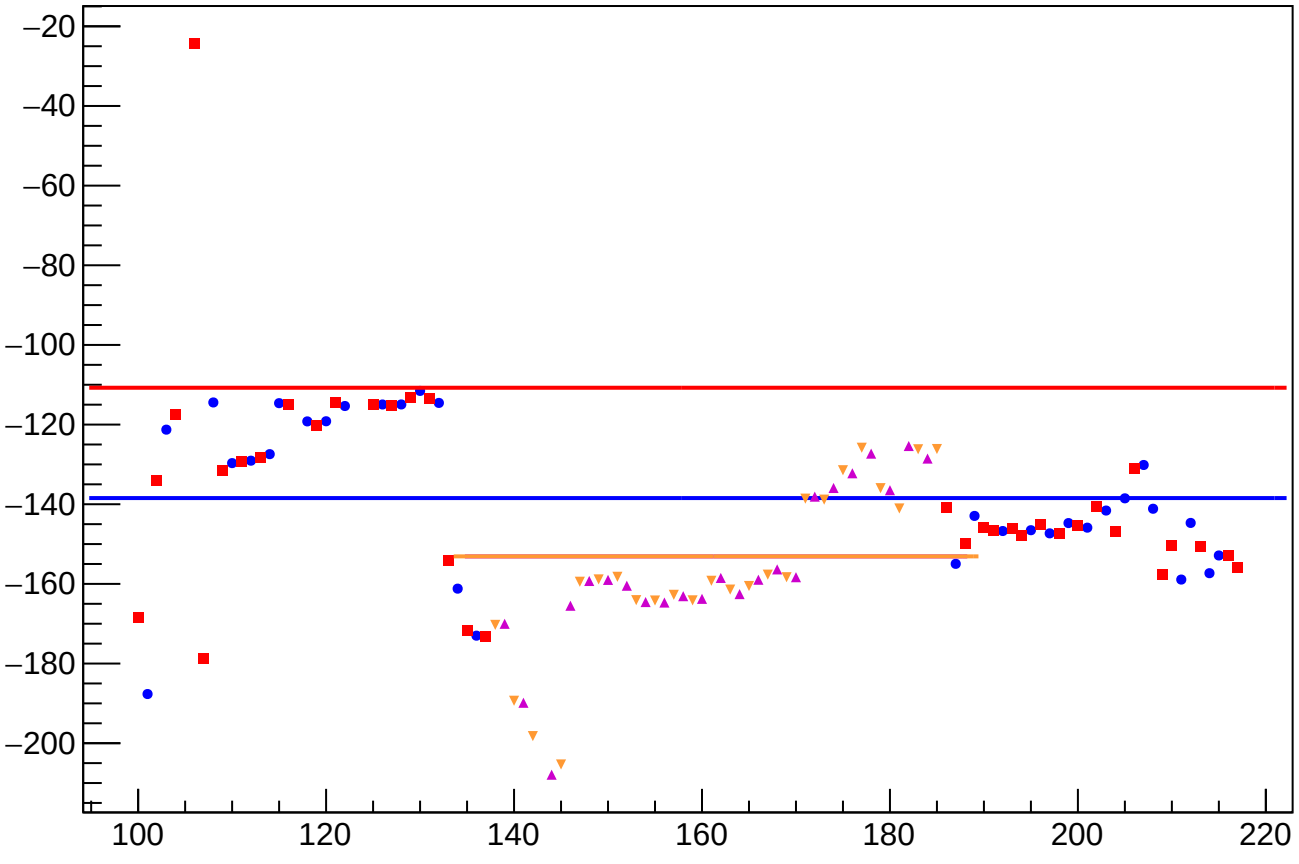
Right Out: 41.774+/-1.052 χ^2/NDF: 418.7/34

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 62.121+/-0.742 χ^2/NDF: 1182.4/54

All: 61.278+/-0.522 χ^2/NDF: 2450.3/112

- sign 60.452+/-0.734 χ^2/NDF: 1265.4/57



Right In: -138.451+/-0.059 χ^2/NDF: 109254.1/30

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -110.749+/-0.050 χ^2/NDF: 1033089.5/34

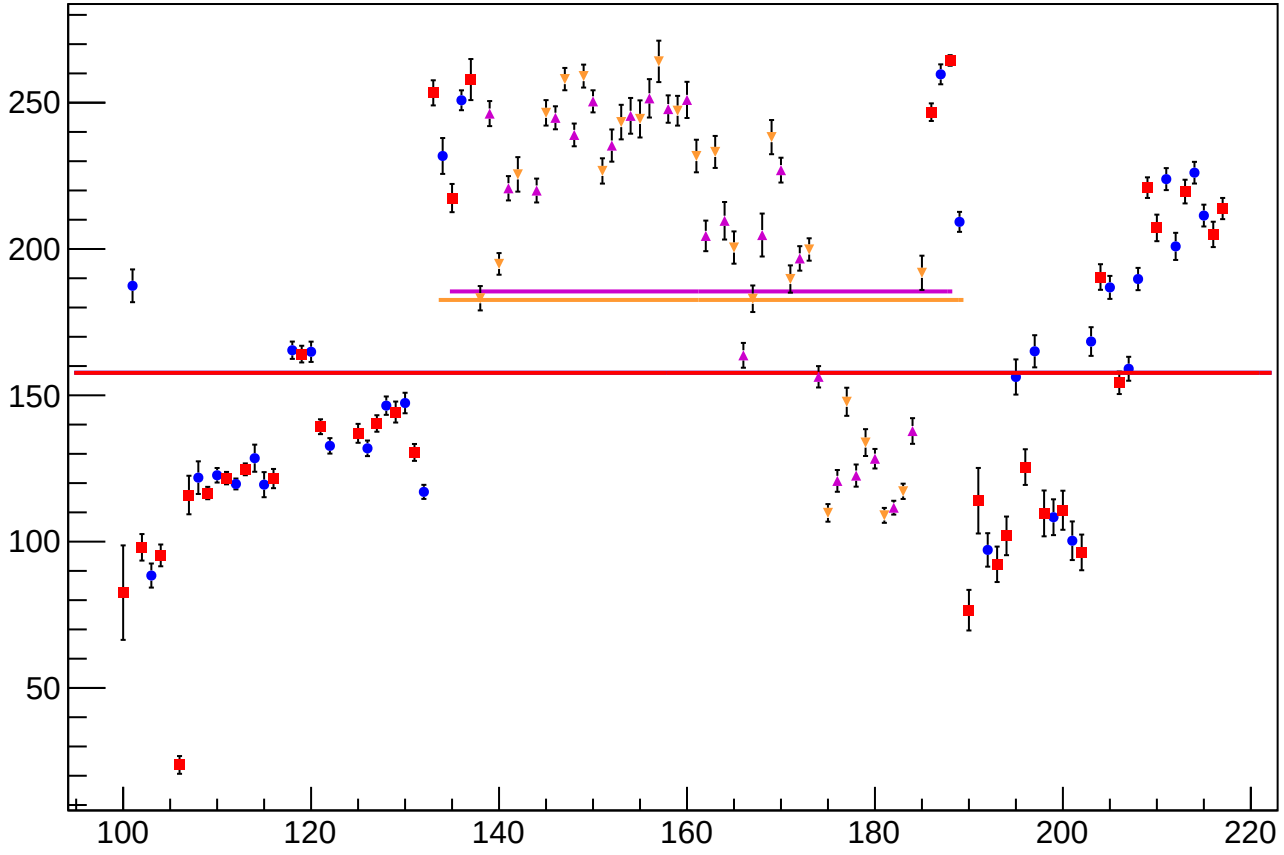
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.405+/-0.037 χ^2/NDF: 324615.0/54

All: -140.005+/-0.025 χ^2/NDF: 1980912.3/11

- sign -133.565+/-0.034 χ^2/NDF: 1580233.3/57

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 157.717+/-0.641 χ^2/NDF: 4940.4/30

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 157.679+/-0.589 χ^2/NDF: 10618.2/34

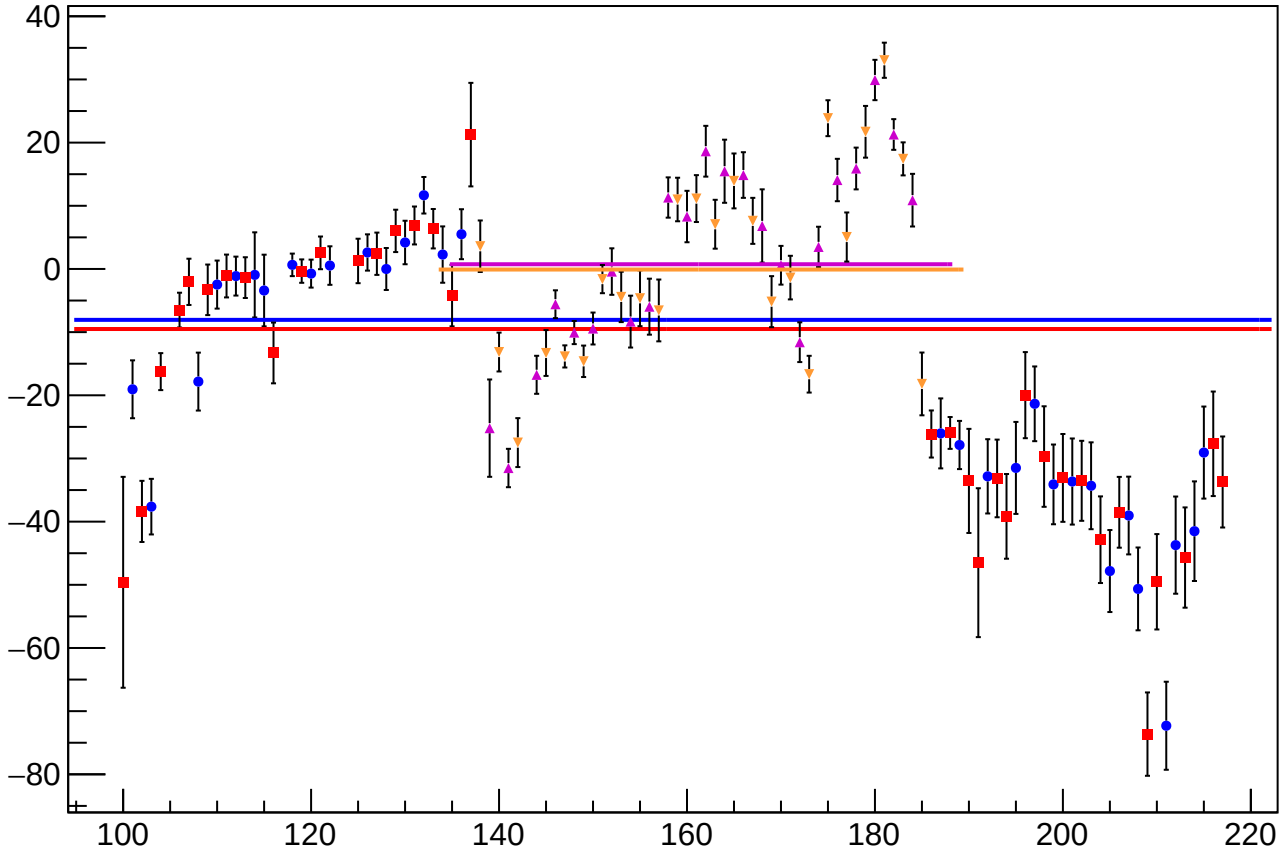
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 166.520+/-0.515 χ^2/NDF: 9625.8/54

All: 166.451+/-0.354 χ^2/NDF: 24764.6/112

- sign 166.390+/-0.488 χ^2/NDF: 15138.8/57

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.057+/-0.721 χ^2/NDF: 557.4/30

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.507+/-0.681 χ^2/NDF: 588.1/34

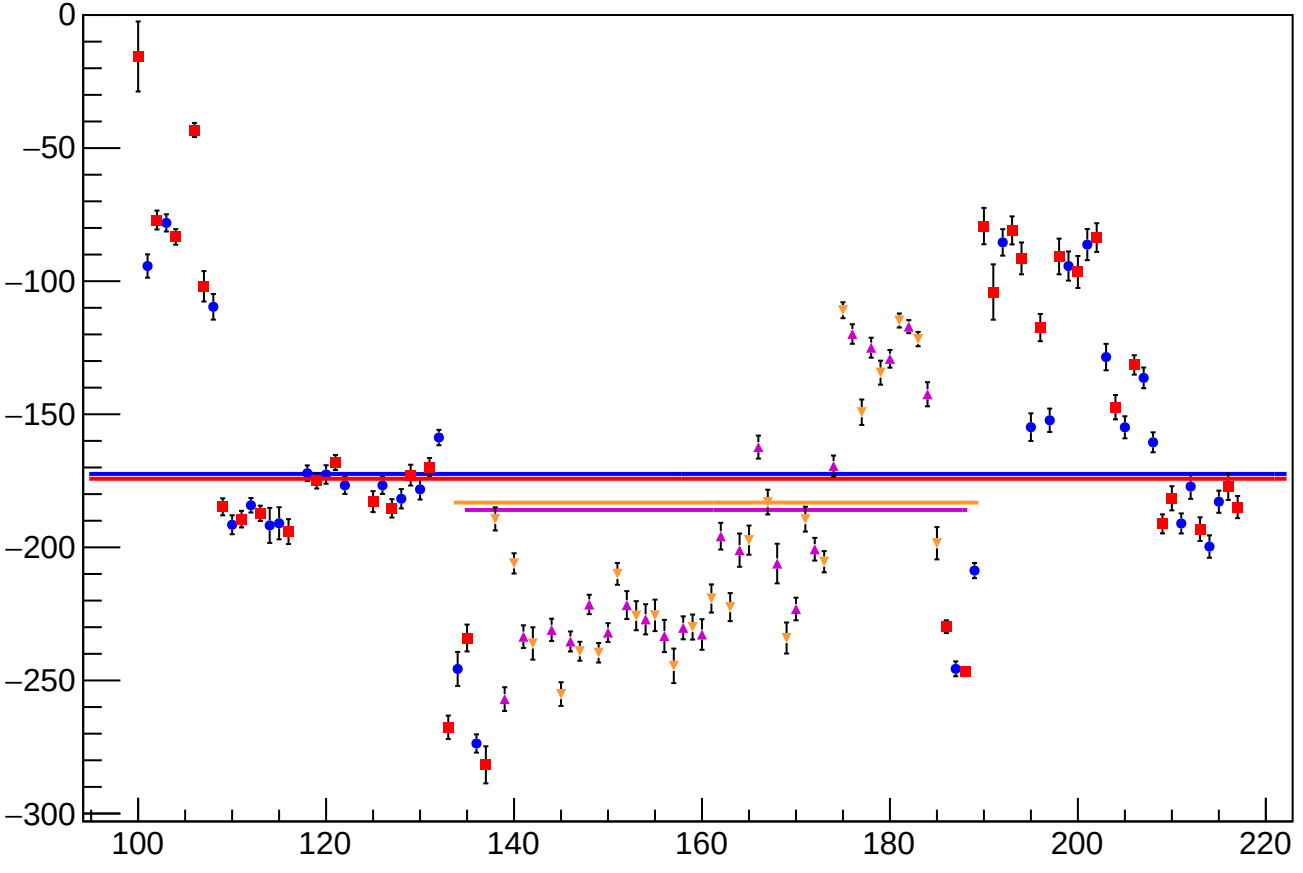
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -3.690+/-0.485 χ^2/NDF: 1179.6/54

All: -3.980+/-0.340 χ^2/NDF: 2382.1/112

- sign -4.259+/-0.476 χ^2/NDF: 1201.8/57

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.410+/-0.686 χ^2/NDF: 4313.8/30

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.223+/-0.614 χ^2/NDF: 10050.6/34

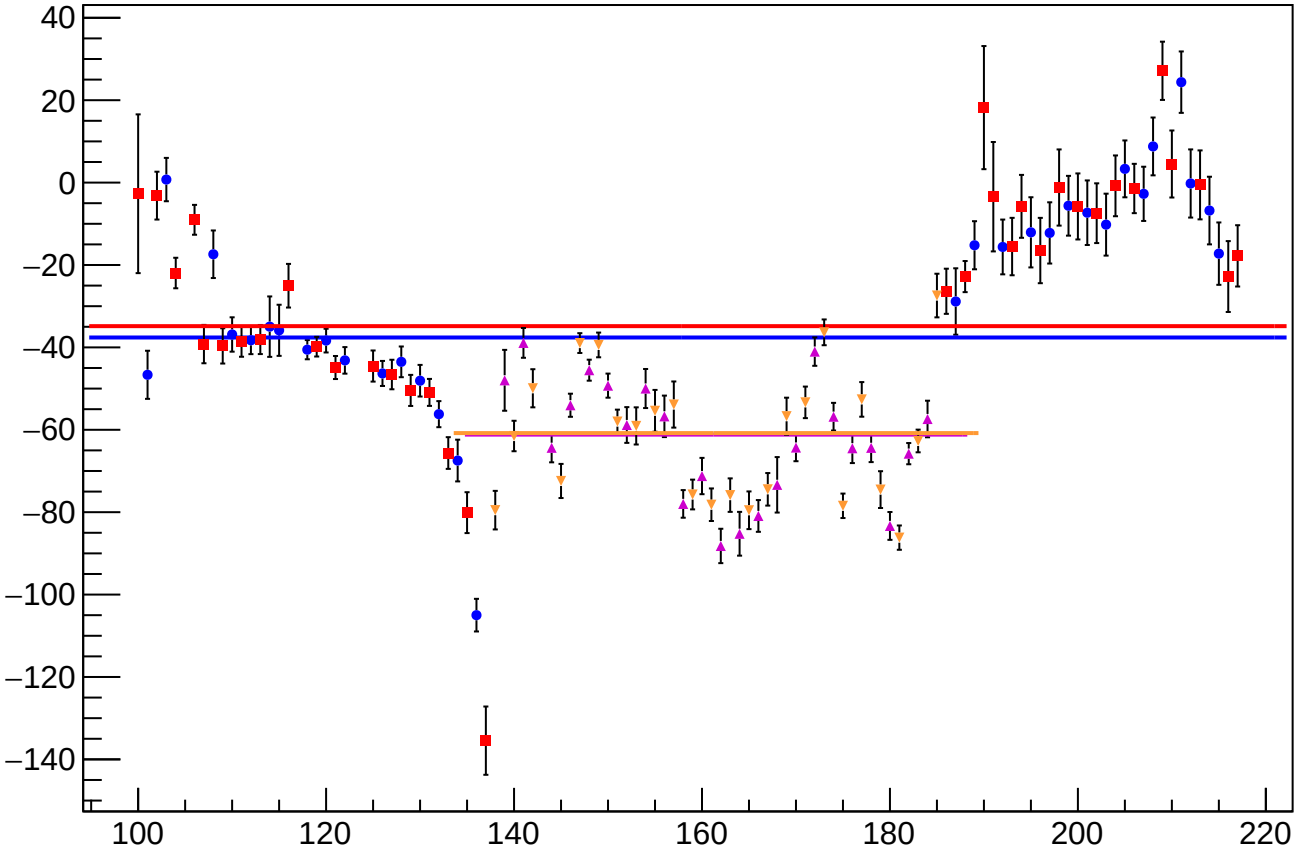
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.583+/-0.537 χ^2/NDF: 7770.4/54

All: -177.411+/-0.366 χ^2/NDF: 21128.7/112

- sign -178.132+/-0.501 χ^2/NDF: 13353.8/57

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.597+/-0.839 χ^2/NDF: 762.5/30

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.844+/-0.803 χ^2/NDF: 749.0/34

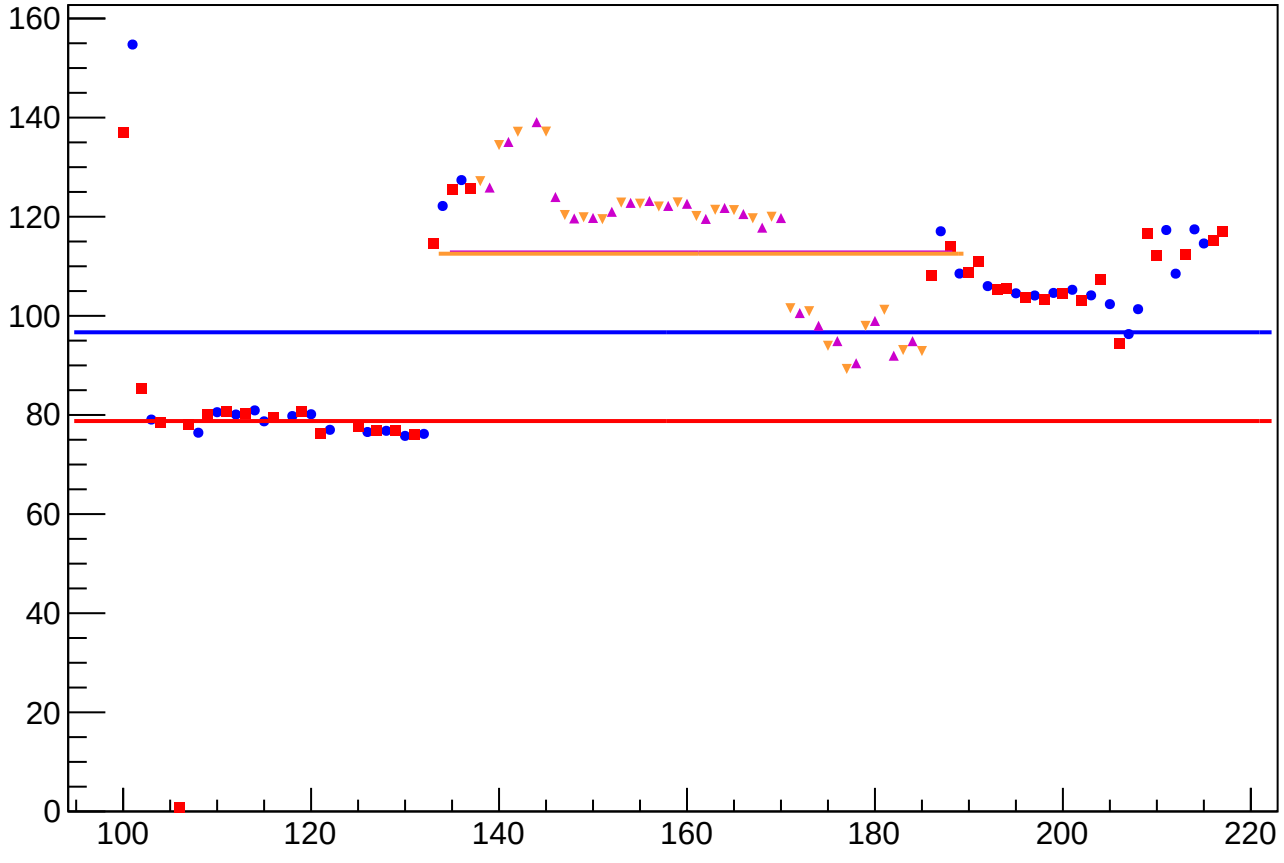
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -50.517+/-0.559 χ^2/NDF: 1662.0/54

All: -49.641+/-0.392 χ^2/NDF: 3301.9/112

- sign -48.789+/-0.551 χ^2/NDF: 1635.1/57

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.682+/-0.045 χ^2/NDF: 192238.6/30

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.773+/-0.040 χ^2/NDF: 926133.7/34

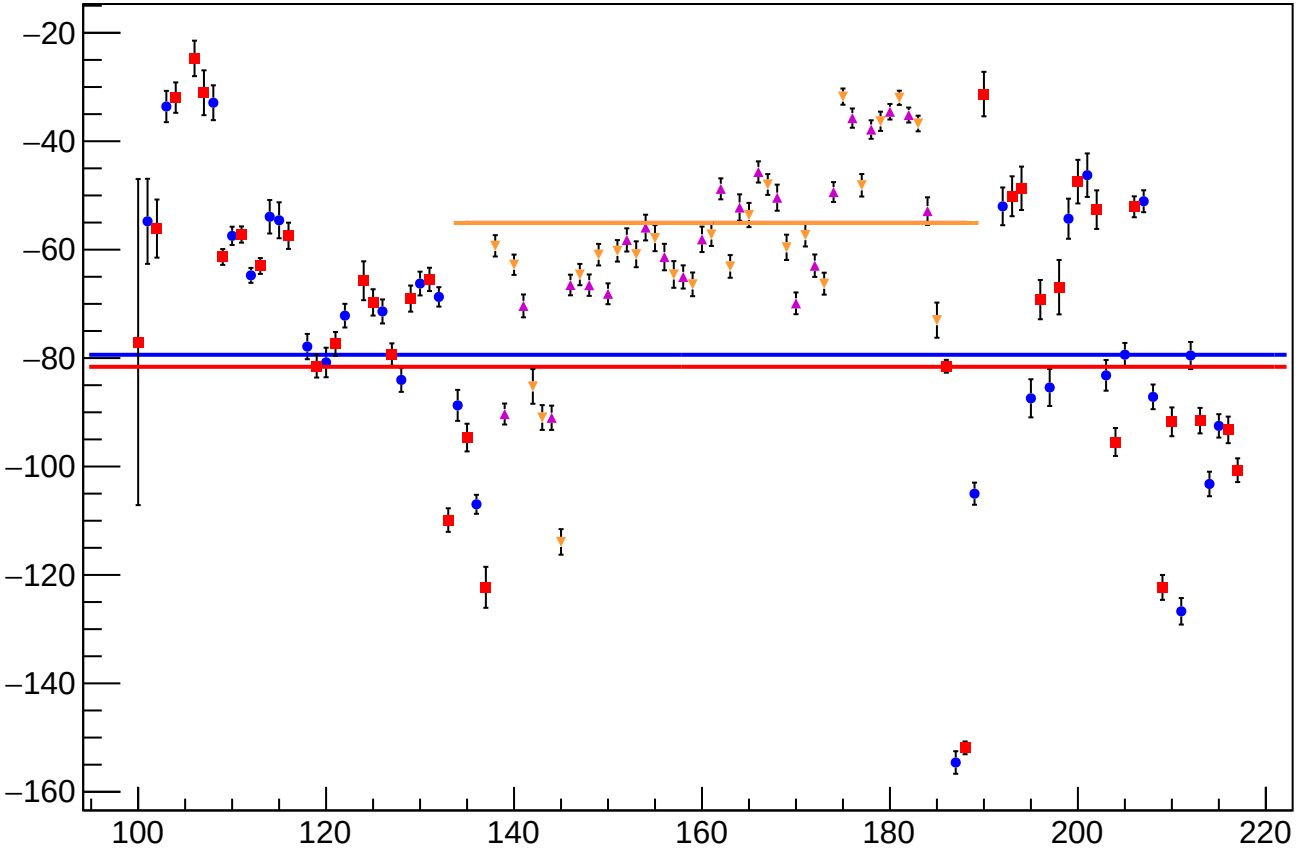
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.712+/-0.028 χ^2/NDF: 444008.0/54

All: 102.261+/-0.019 χ^2/NDF: 2008484.1/112

- sign 98.264+/-0.026 χ^2/NDF: 1514768.3/57

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -79.391+/-0.423 χ^2/NDF: 3615.1/30

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.608+/-0.384 χ^2/NDF: 6655.8/34

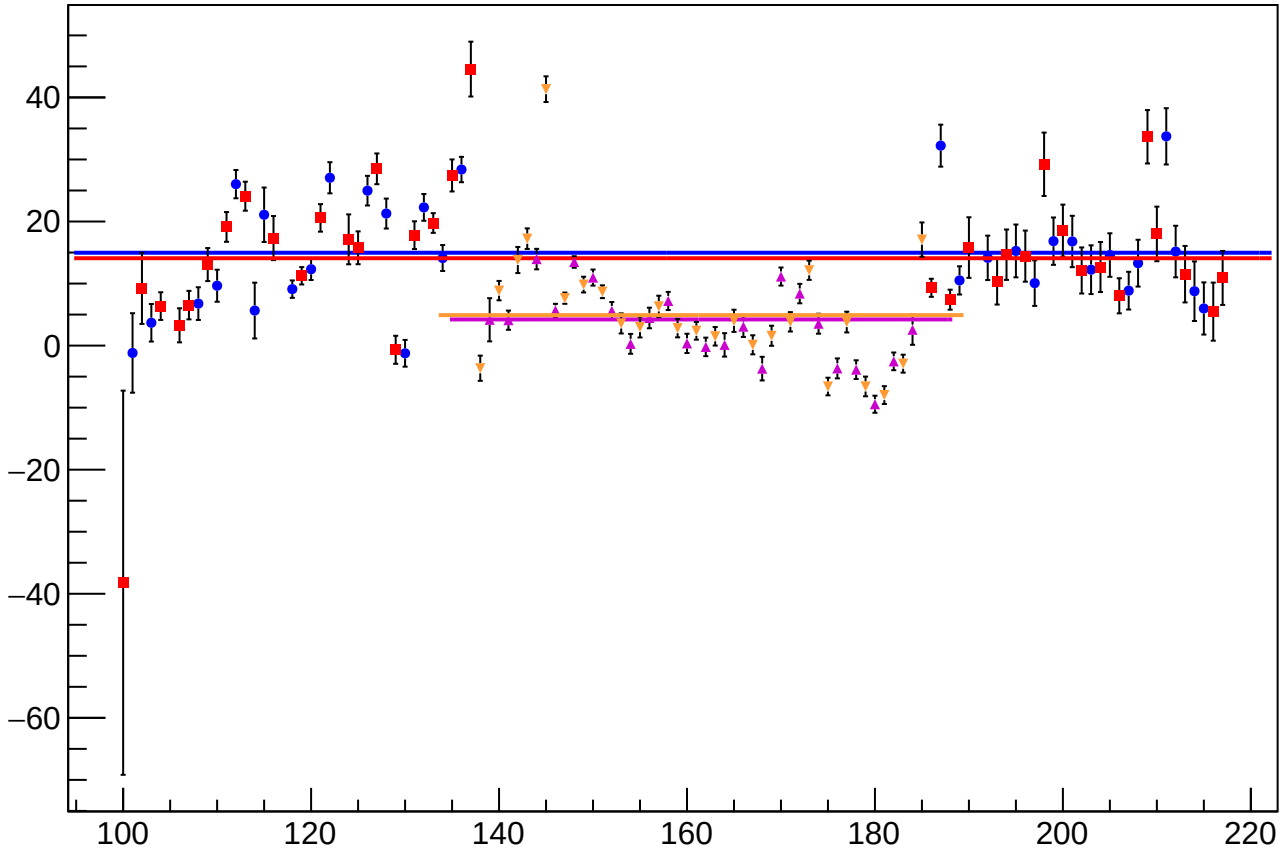
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -66.565+/-0.291 χ^2/NDF: 7358.9/55

All: -67.945+/-0.202 χ^2/NDF: 17834.3/113

- sign -69.225+/-0.280 χ^2/NDF: 10432.1/57

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.967+/-0.493 χ^2/NDF: 302.7/30

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.081+/-0.452 χ^2/NDF: 315.3/34

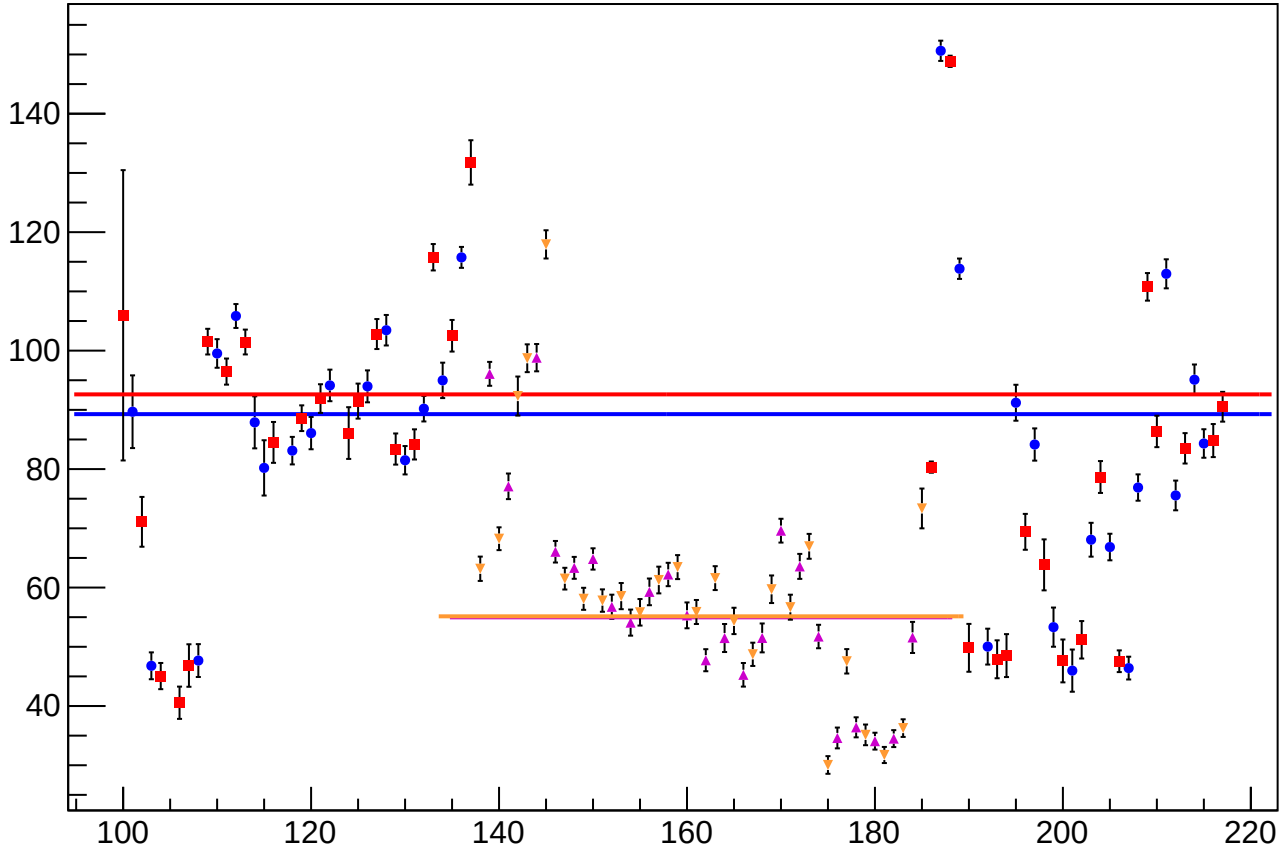
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.644+/-0.257 χ^2/NDF: 1346.9/55

All: 7.526+/-0.182 χ^2/NDF: 2400.5/113

- sign 7.408+/-0.257 χ^2/NDF: 1053.2/57

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.278+/-0.444 χ^2/NDF: 3692.8/30

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.614+/-0.388 χ^2/NDF: 6620.4/34

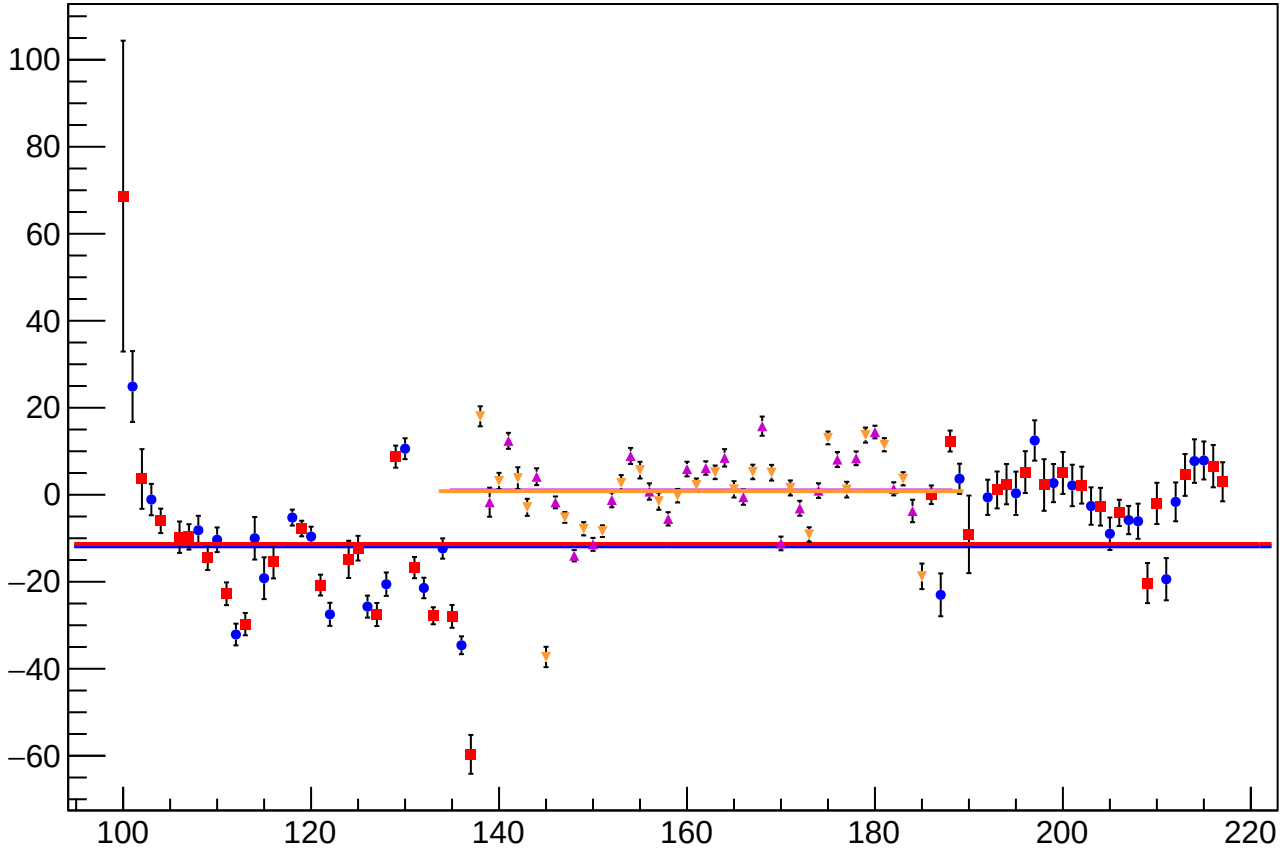
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

\+ sign 70.320+/-0.296 χ^2/NDF: 9224.1/55

All: 72.577+/-0.204 χ^2/NDF: 22228.4/113

\- sign 74.606+/-0.281 χ^2/NDF: 12893.8/57

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.844+/-0.569 χ^2/NDF: 556.1/30

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

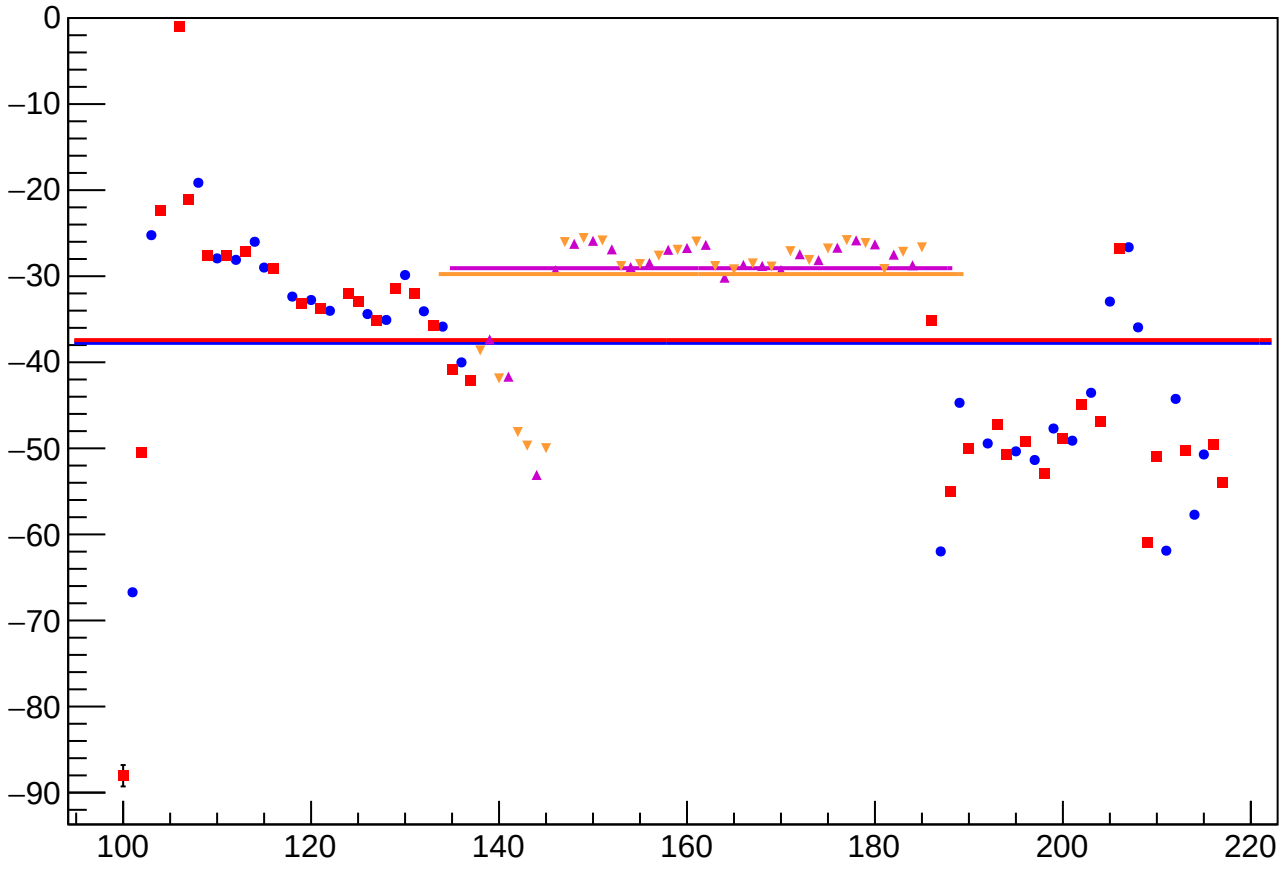
Right Out: -11.323+/-0.536 χ^2/NDF: 673.4/34

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.543+/-0.294 χ^2/NDF: 1638.2/55

All: -2.644+/-0.208 χ^2/NDF: 3237.5/113

- sign -2.746+/-0.295 χ^2/NDF: 1599.1/57



Right In: -37.742+/-0.028 χ^2/NDF: 141244.6/30

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.423+/-0.028 χ^2/NDF: 238750.8/34

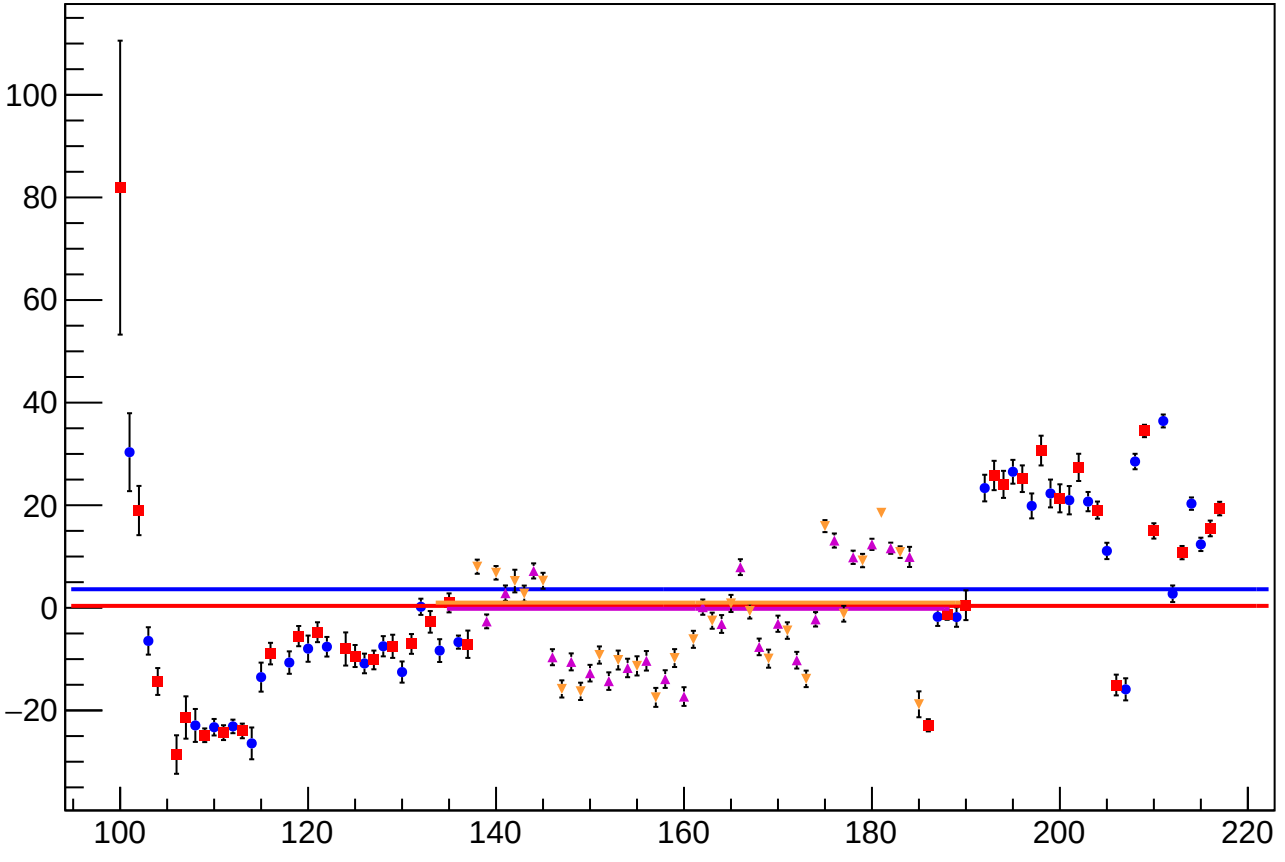
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.611+/-0.014 χ^2/NDF: 365988.1/55

All: -31.363+/-0.010 χ^2/NDF: 775452.1/113

- sign -31.112+/-0.014 χ^2/NDF: 408798.8/57

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 3.621+/-0.333 χ^2/NDF: 2935.5/30

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.379+/-0.312 χ^2/NDF: 3567.7/34

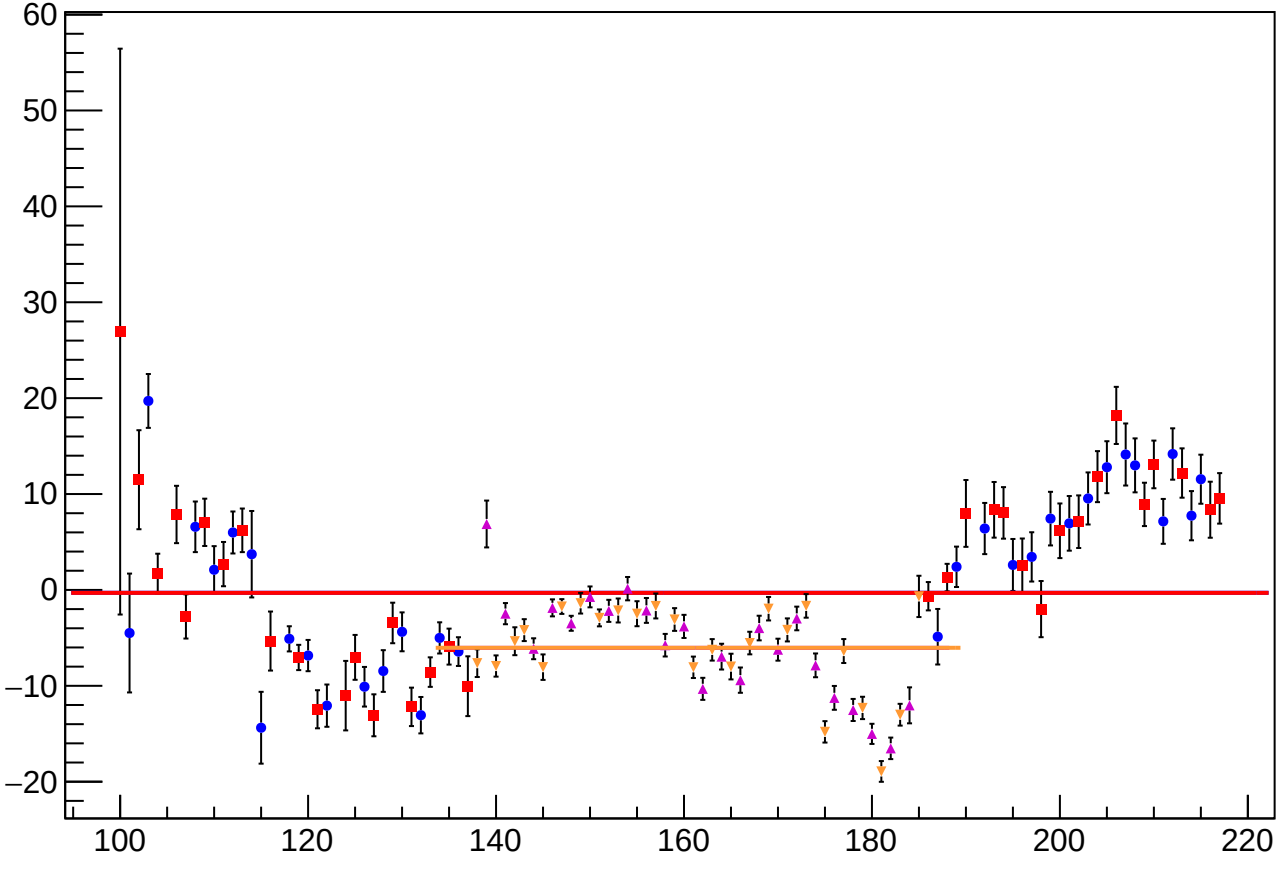
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 2.205+/-0.225 χ^2/NDF: 4303.9/55

All: 1.135+/-0.158 χ^2/NDF: 8900.7/113

- sign 0.096+/-0.222 χ^2/NDF: 4552.1/57

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.296+/-0.412 χ^2/NDF: 428.2/30

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.307+/-0.389 χ^2/NDF: 427.3/34

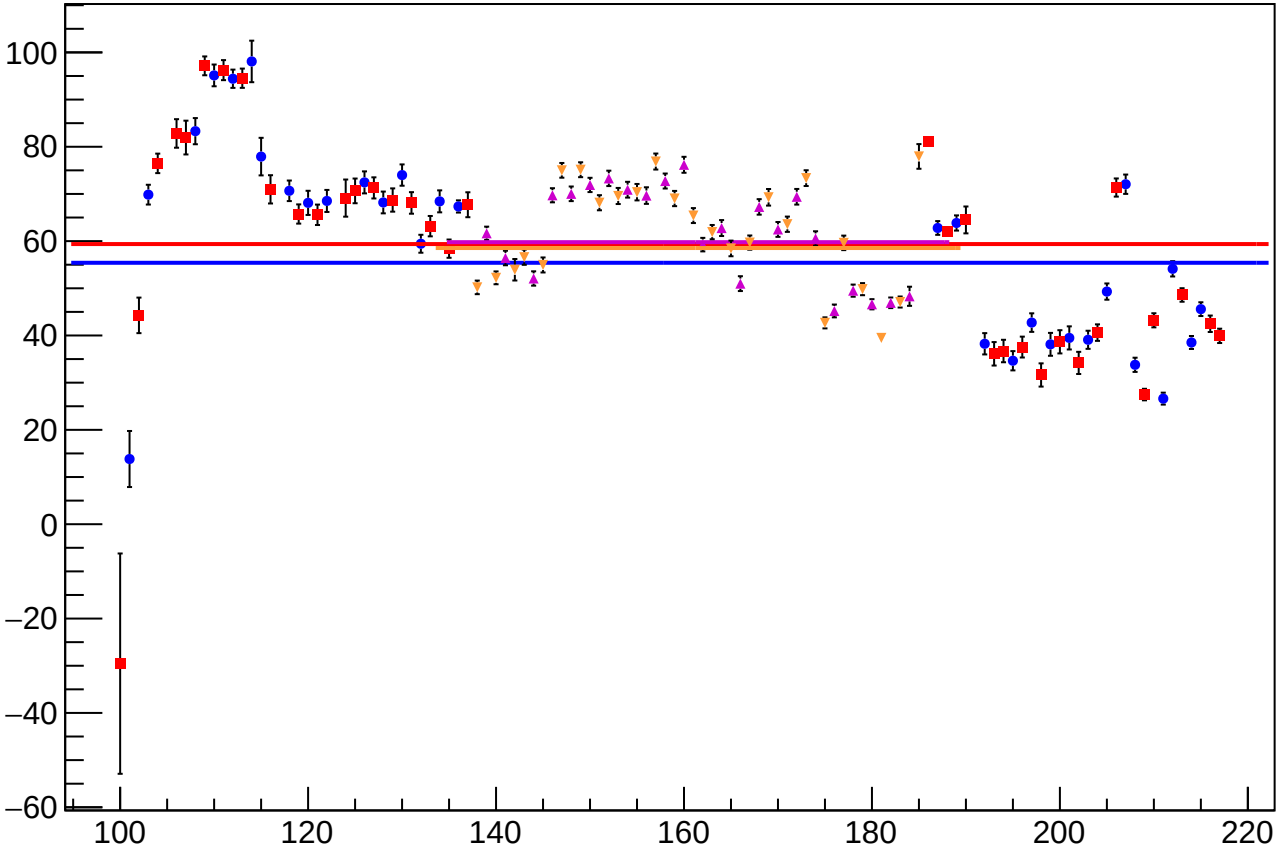
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.643+/-0.203 χ^2/NDF: 989.9/55

All: -4.541+/-0.145 χ^2/NDF: 1970.5/113

- sign -4.435+/-0.206 χ^2/NDF: 980.1/57

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 55.409+/-0.347 χ^2/NDF: 2825.8/30

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 59.377+/-0.318 χ^2/NDF: 3665.9/34

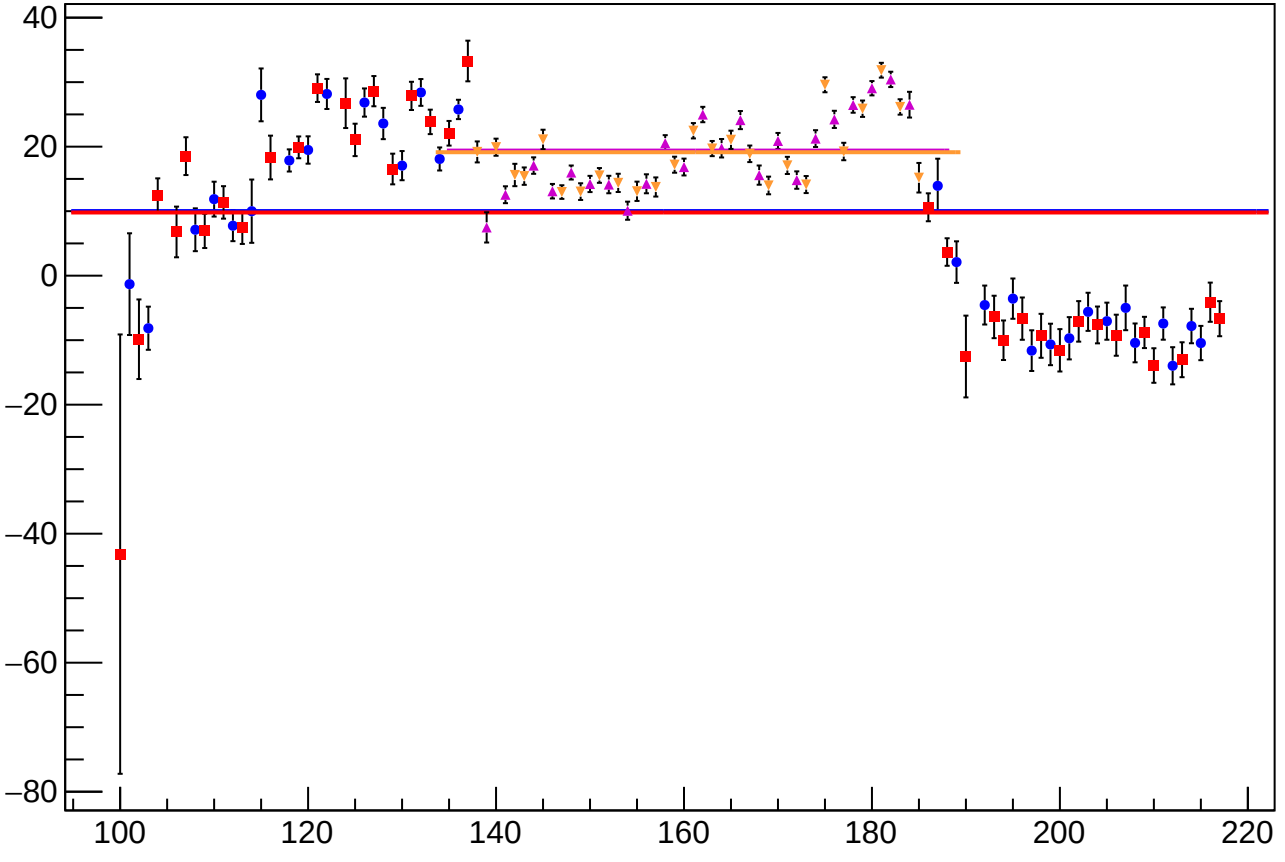
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 57.182+/-0.228 χ^2/NDF: 4321.1/55

All: 58.412+/-0.159 χ^2/NDF: 9114.9/113

\- sign 59.581+/-0.223 χ^2/NDF: 4737.2/57

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 10.015+/-0.468 χ^2/NDF: 987.5/30

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.795+/-0.454 χ^2/NDF: 1034.3/34

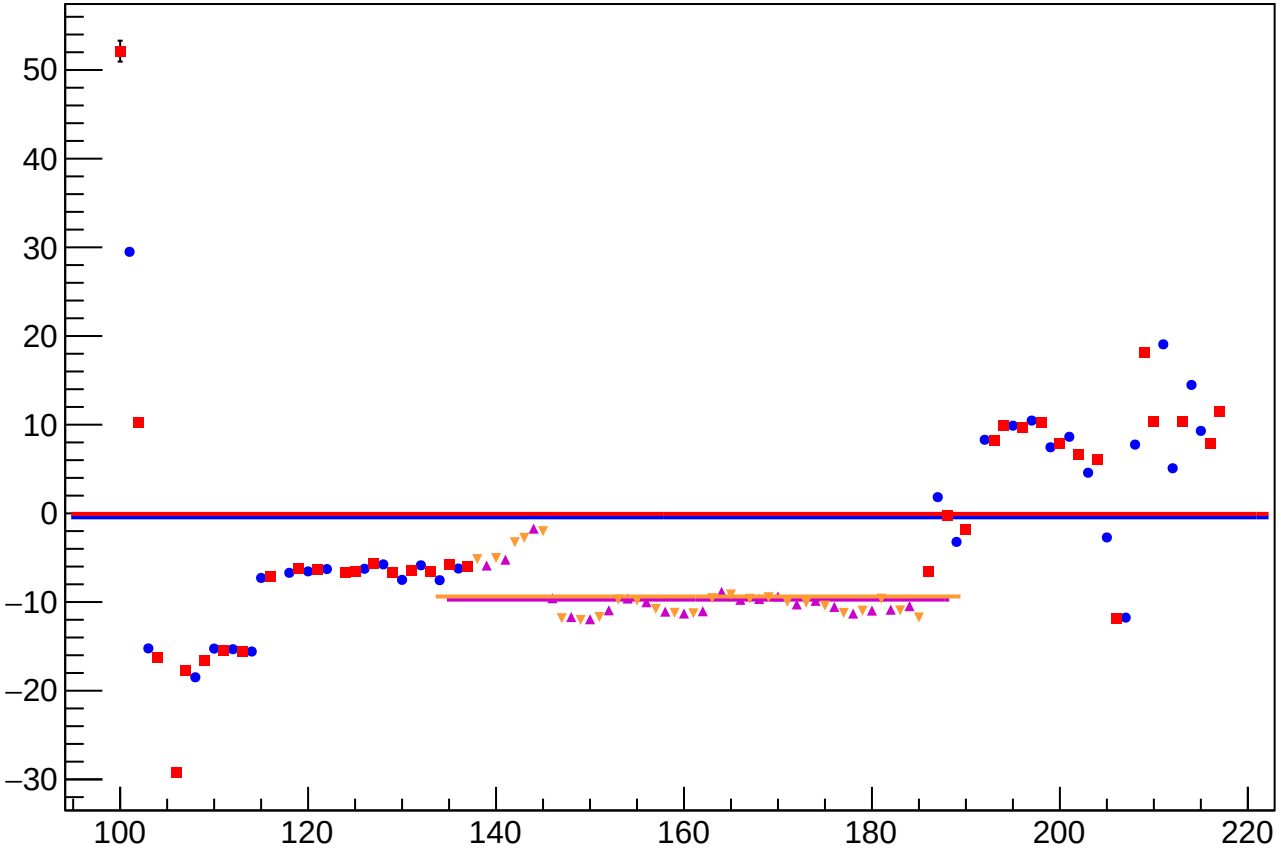
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

\+ sign 16.936+/-0.230 χ^2/NDF: 1709.5/55

All: 16.884+/-0.164 χ^2/NDF: 3539.7/113

\- sign 16.831+/-0.234 χ^2/NDF: 1830.1/57

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -0.445+/-0.022 χ^2/NDF: 211176.4/30

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.059+/-0.022 χ^2/NDF: 246198.6/34

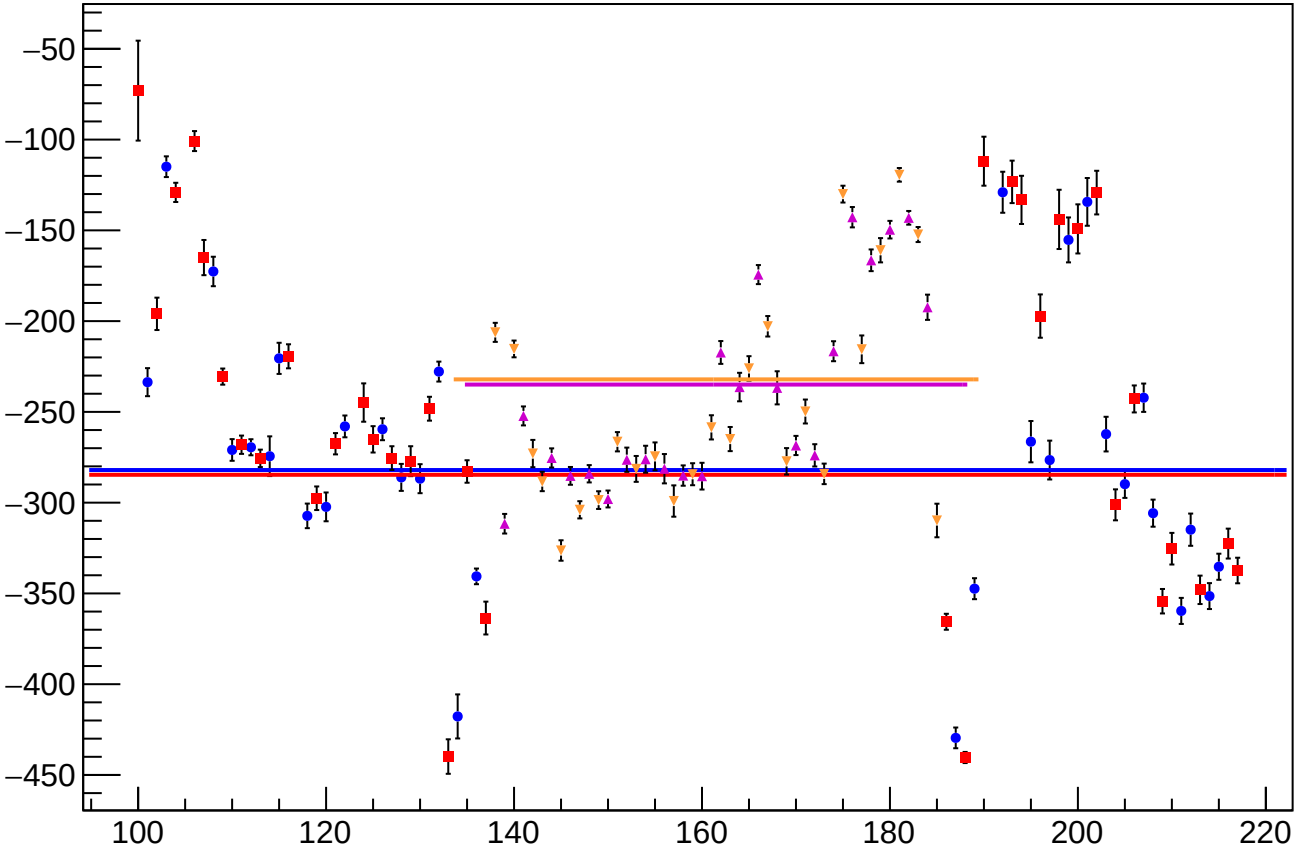
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.389+/-0.010 χ^2/NDF: 386681.1/55

All: -7.443+/-0.007 χ^2/NDF: 811744.9/113

- sign -7.497+/-0.011 χ^2/NDF: 425011.7/57

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -282.032+/-1.275 χ^2/NDF: 3132.9/30

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -284.646+/-1.148 χ^2/NDF: 7062.5/34

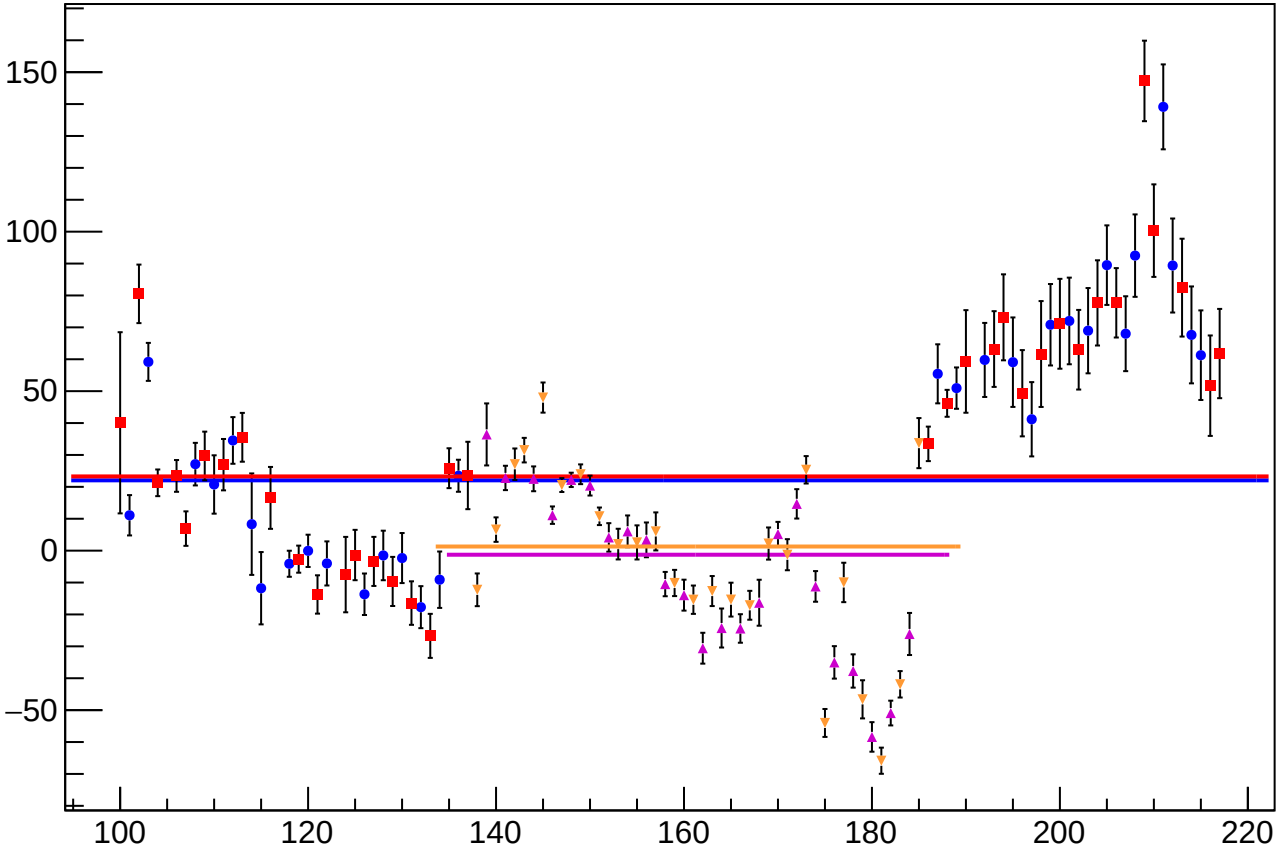
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -254.342+/-0.851 χ^2/NDF: 7253.5/55

All: -257.475+/-0.591 χ^2/NDF: 17726.9/113

- sign -260.392+/-0.821 χ^2/NDF: 10447.3/57

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.043+/-1.441 χ^2/NDF: 510.3/30

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.269+/-1.304 χ^2/NDF: 547.0/34

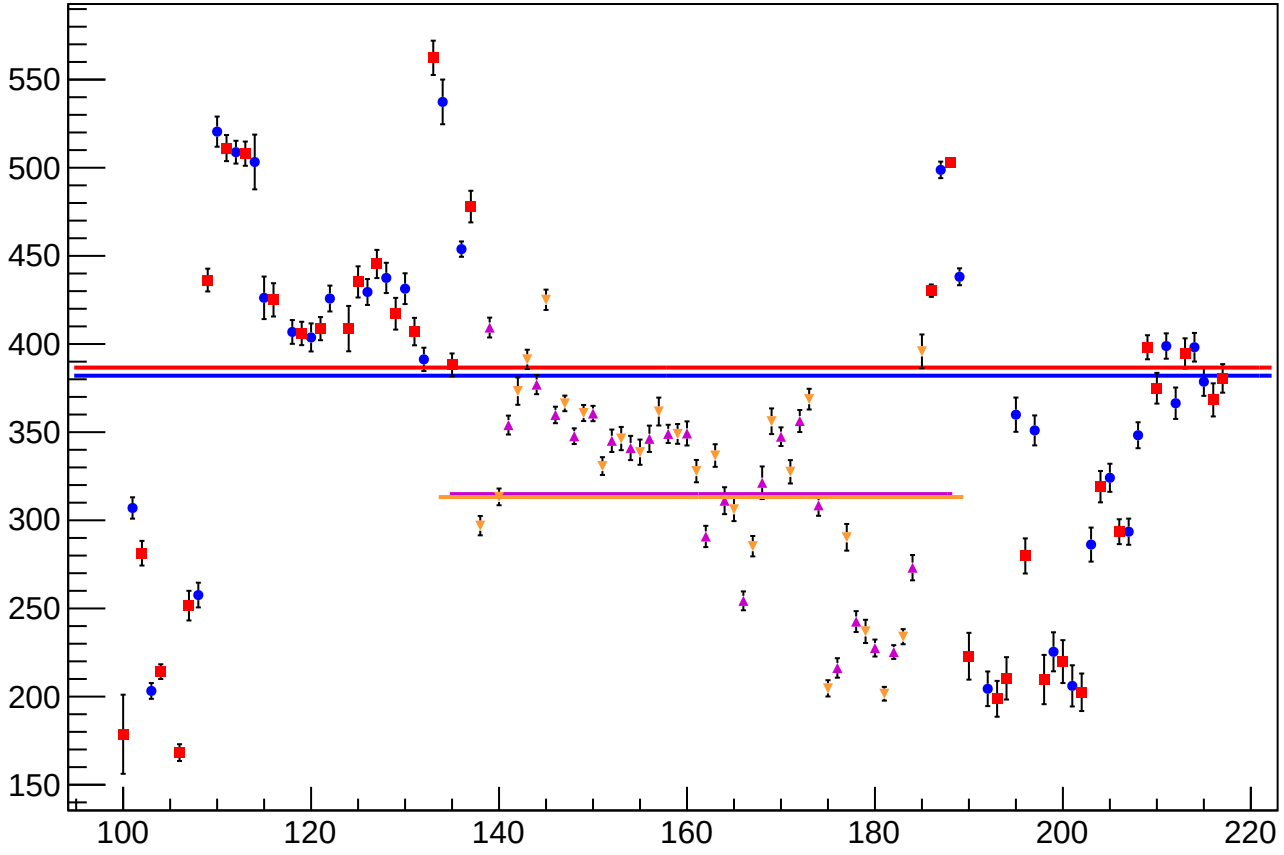
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.530+/-0.724 χ^2/NDF: 1714.8/55

All: 6.399+/-0.511 χ^2/NDF: 3318.6/113

\- sign 6.268+/-0.723 χ^2/NDF: 1603.7/57

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 382.033+/-1.297 χ^2/NDF: 5233.8/30

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.645+/-1.135 χ^2/NDF: 9705.7/34

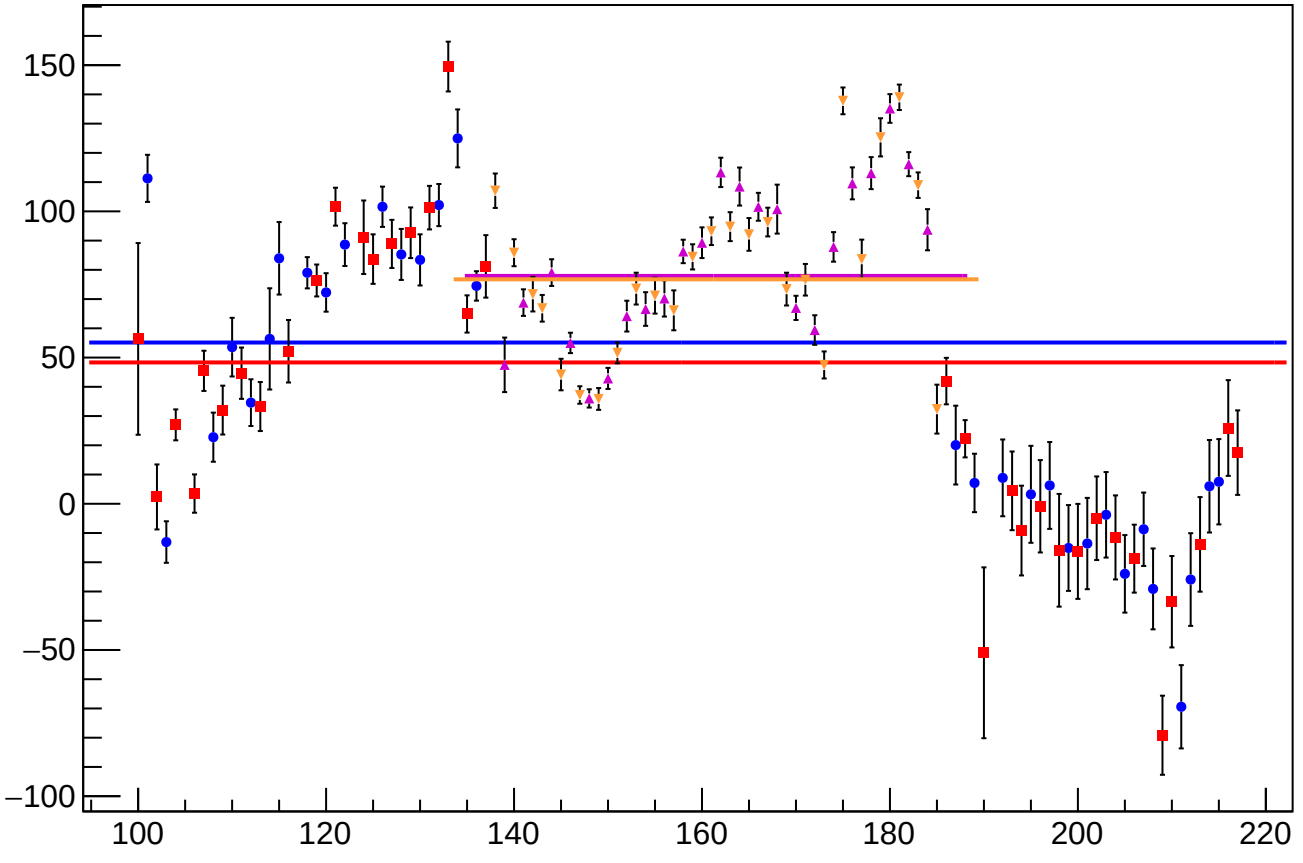
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.018+/-0.854 χ^2/NDF: 9966.0/55

All: 347.511+/-0.588 χ^2/NDF: 24107.1/113

- sign 351.574+/-0.812 χ^2/NDF: 14088.4/57

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 55.145+/-1.677 χ^2/NDF: 733.4/30

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

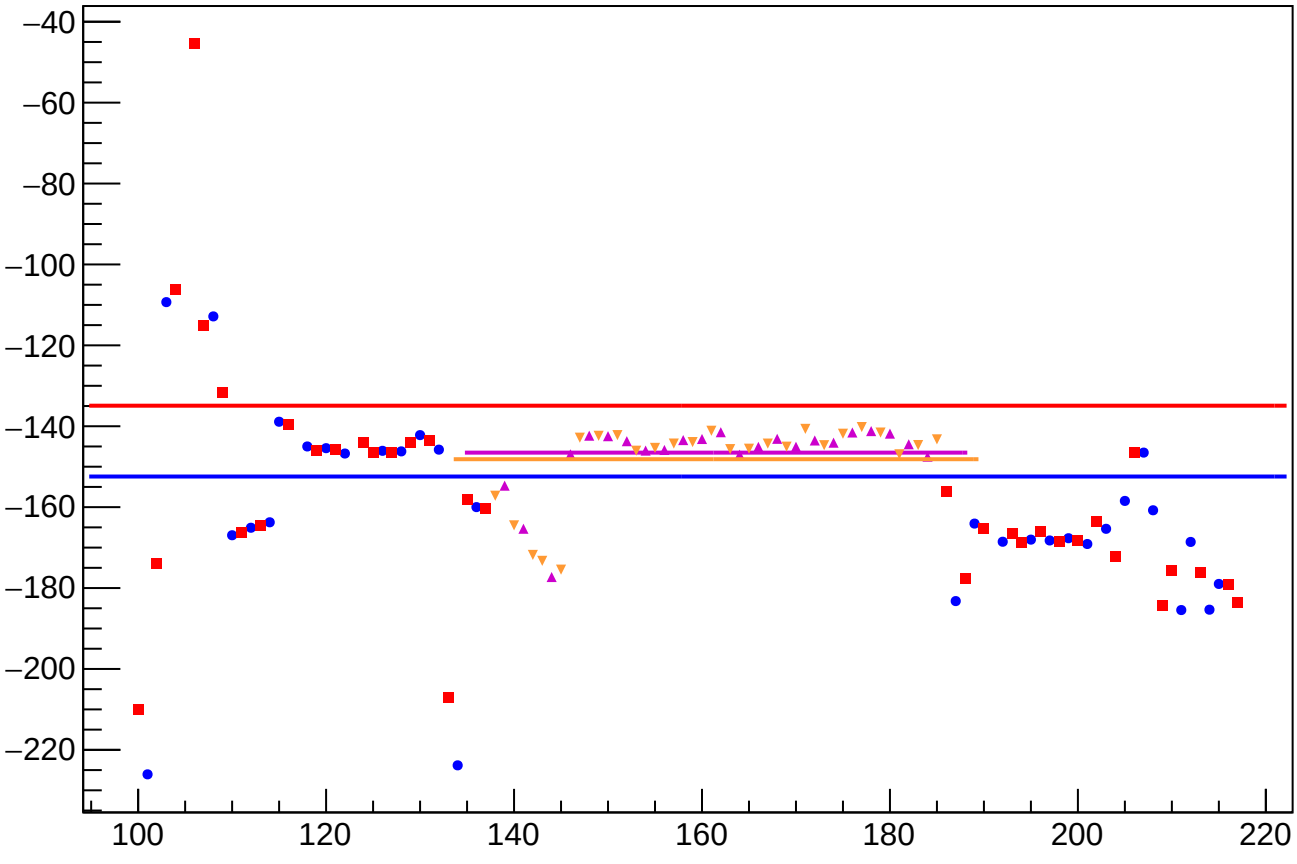
Right Out: 48.333+/-1.559 χ^2/NDF: 761.5/34

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 71.367+/-0.837 χ^2/NDF: 1893.5/55

All: 70.355+/-0.593 χ^2/NDF: 3697.4/113

- sign 69.337+/-0.840 χ^2/NDF: 1801.0/57



Right In: -152.427+/-0.080 χ^2/NDF: 152413.7/30

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.919+/-0.074 χ^2/NDF: 366577.2/34

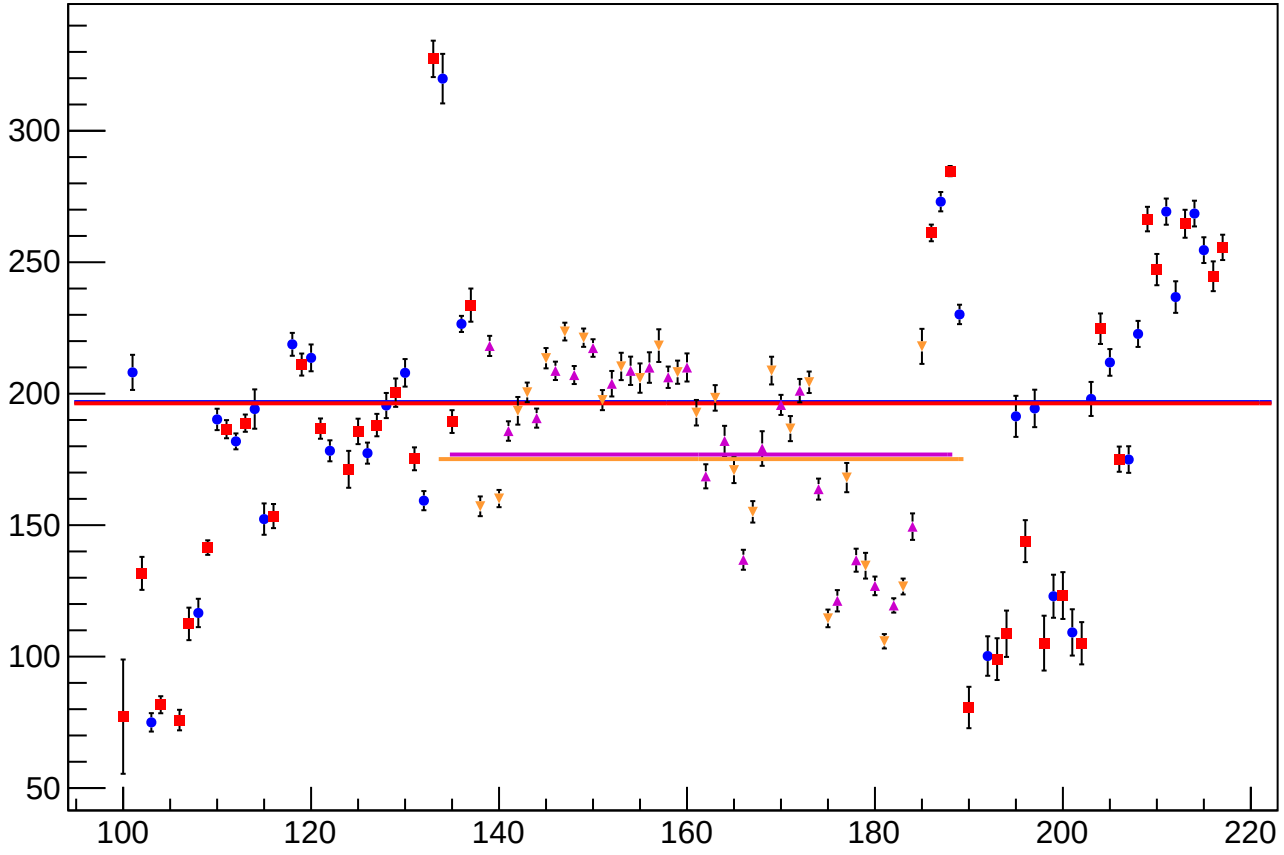
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.171+/-0.039 χ^2/NDF: 203477.0/55

All: -146.206+/-0.028 χ^2/NDF: 628311.9/113

- sign -143.326+/-0.039 χ^2/NDF: 413631.0/57

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 196.812+/-0.855 χ^2/NDF: 3496.3/30

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 196.337+/-0.762 χ^2/NDF: 7494.1/34

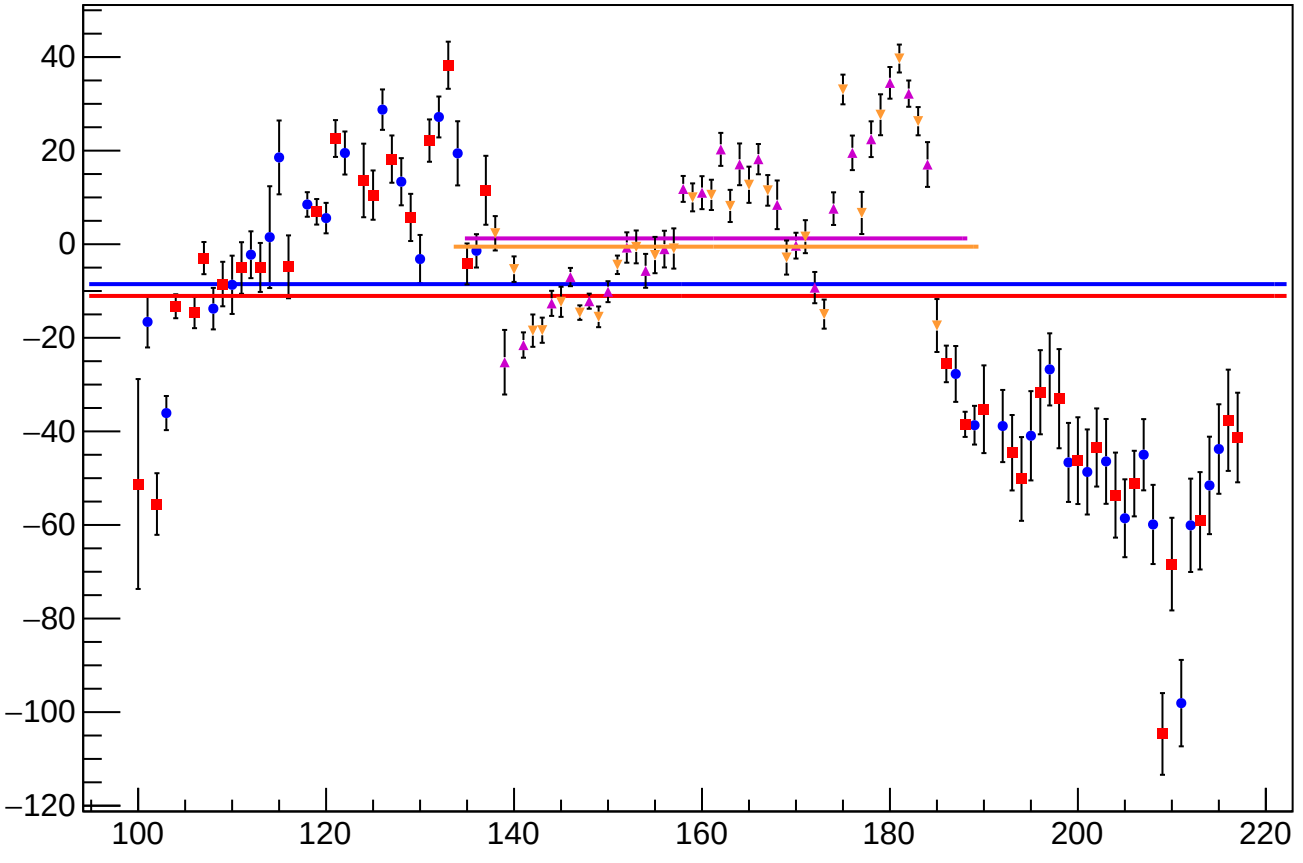
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

\+ sign 185.537+/-0.593 χ^2/NDF: 6125.7/55

All: 186.625+/-0.410 χ^2/NDF: 15674.3/113

\- sign 187.619+/-0.567 χ^2/NDF: 9542.2/57

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.529+/-0.964 χ^2/NDF: 755.4/30

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.052+/-0.860 χ^2/NDF: 849.7/34

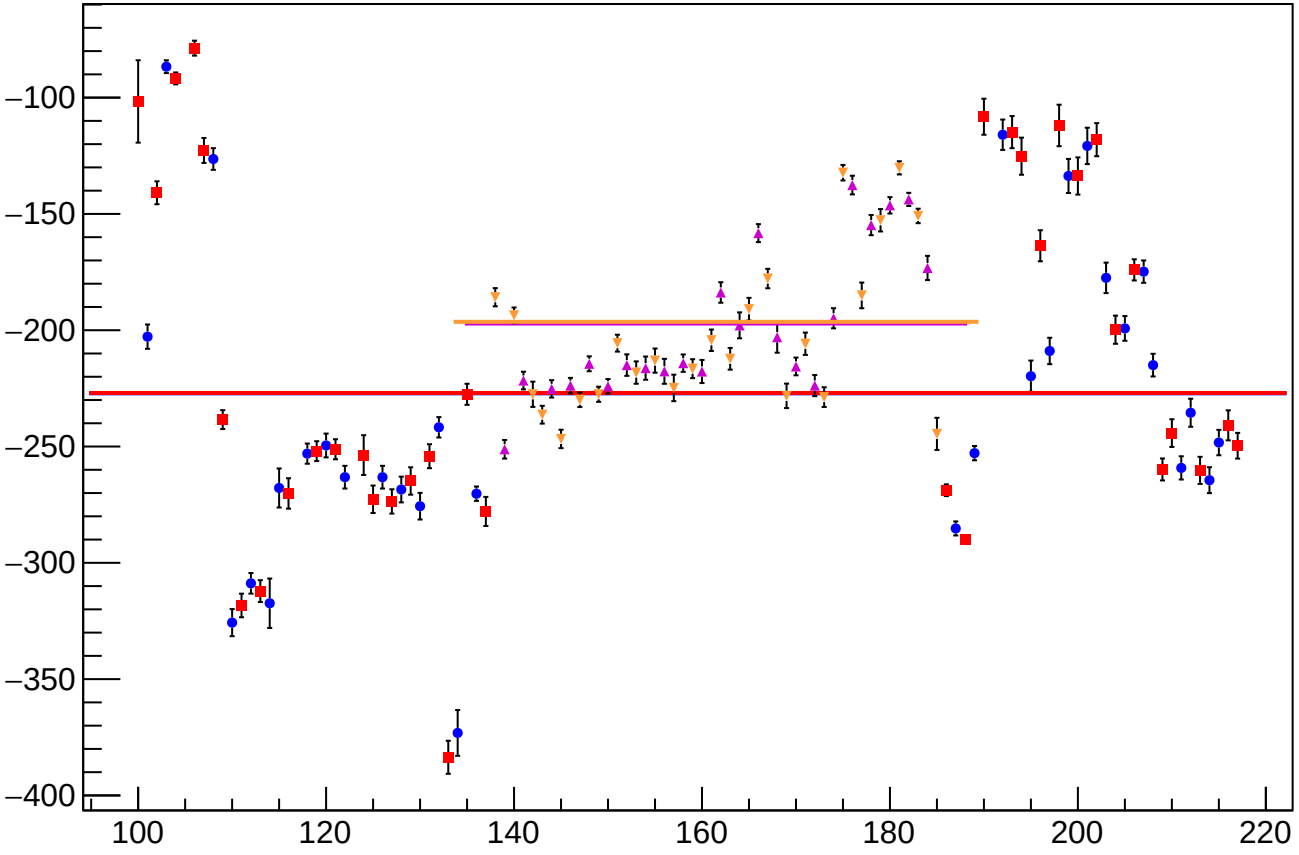
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.763+/-0.510 χ^2/NDF: 1529.5/55

All: -2.886+/-0.359 χ^2/NDF: 3133.5/113

- sign -3.008+/-0.506 χ^2/NDF: 1603.9/57

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.122+/-0.867 χ^2/NDF: 5941.9/30

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

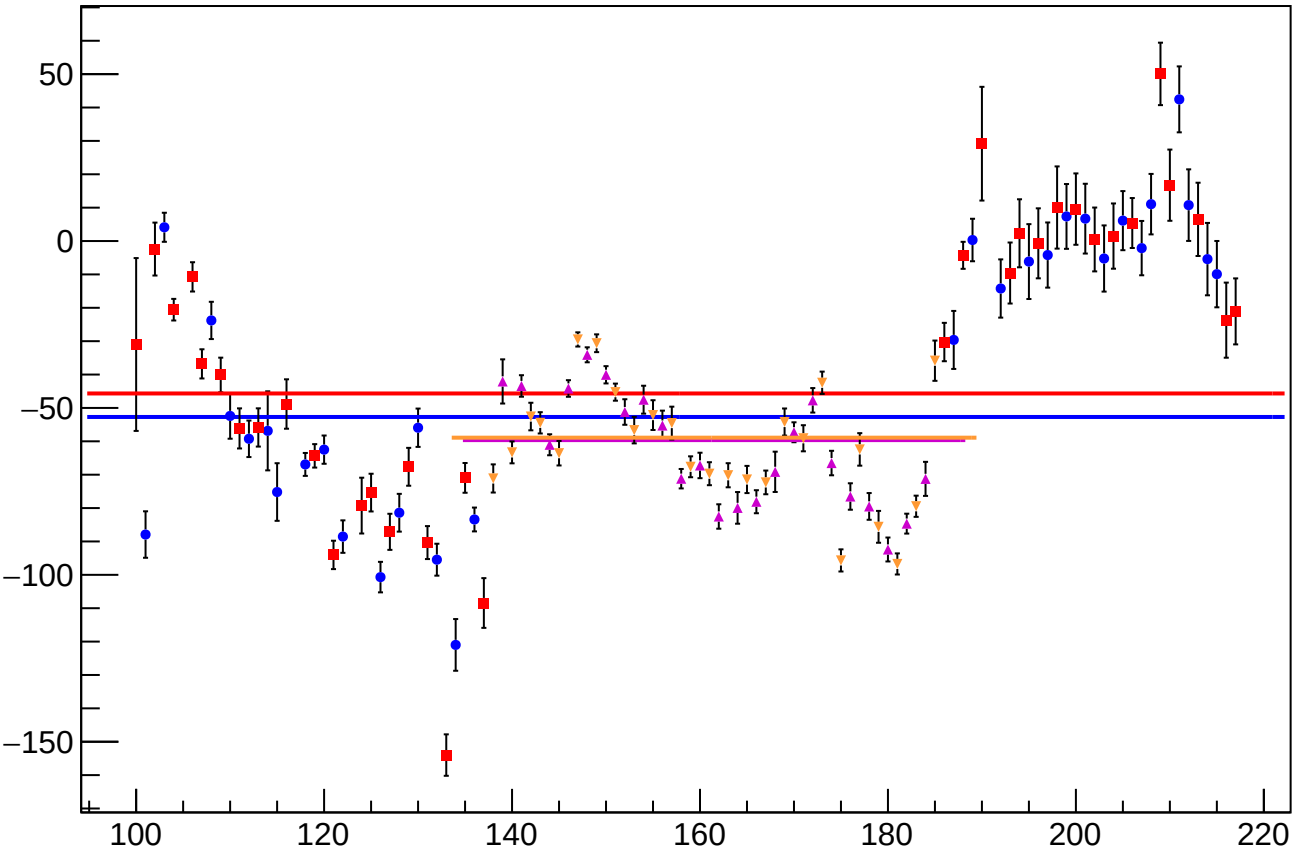
Right Out: -226.975+/-0.750 χ^2/NDF: 10673.5/34

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -210.808+/-0.594 χ^2/NDF: 8606.1/55

All: -212.328+/-0.407 χ^2/NDF: 21598.6/113

- sign -213.671+/-0.559 χ^2/NDF: 12980.2/57



Right In: -52.707+/-1.126 χ^2/NDF: 1204.9/30

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.665+/-1.031 χ^2/NDF: 1429.0/34

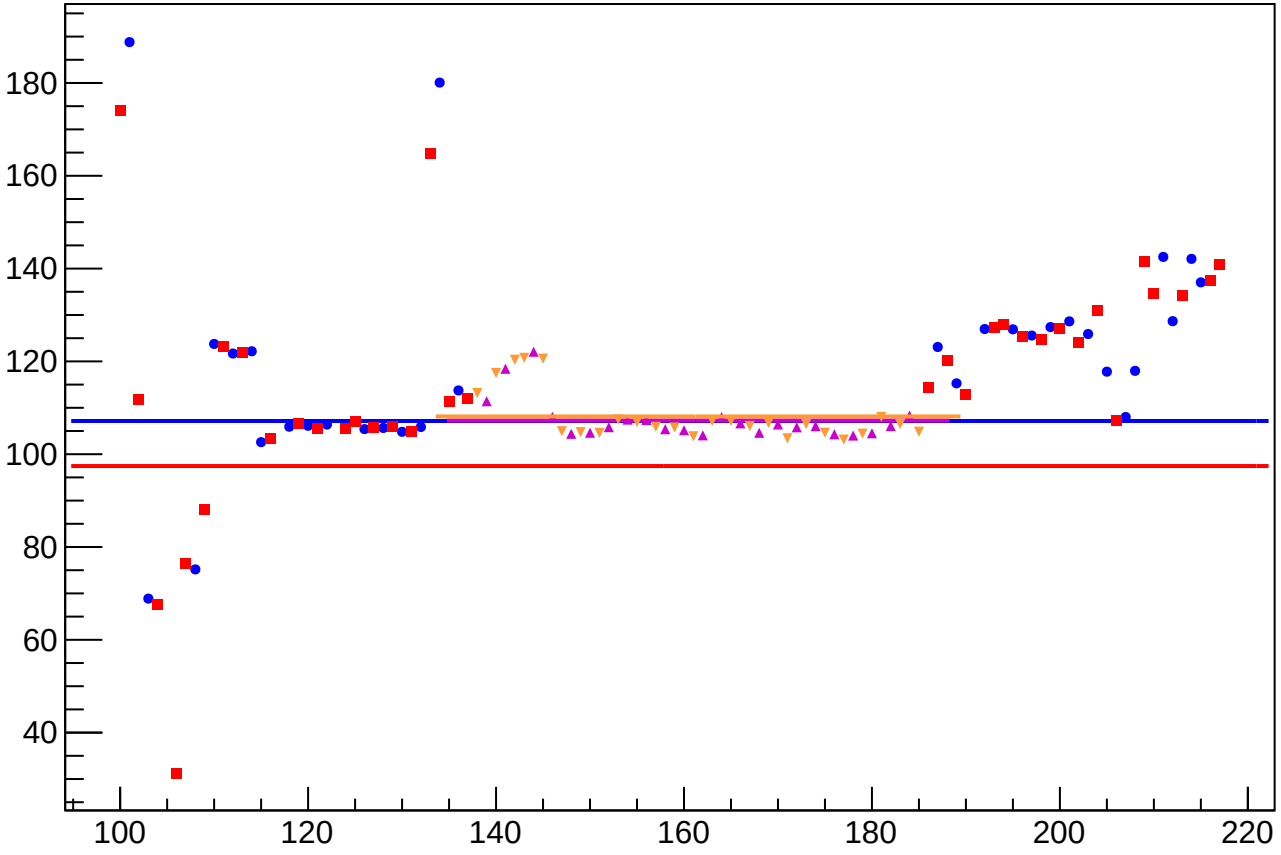
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -57.198+/-0.591 χ^2/NDF: 2009.4/55

All: -56.133+/-0.417 χ^2/NDF: 4165.5/113

- sign -55.074+/-0.589 χ^2/NDF: 2149.6/57

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.155+/-0.054 χ^2/NDF: 288680.3/30

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 97.450+/-0.050 χ^2/NDF: 418386.6/34

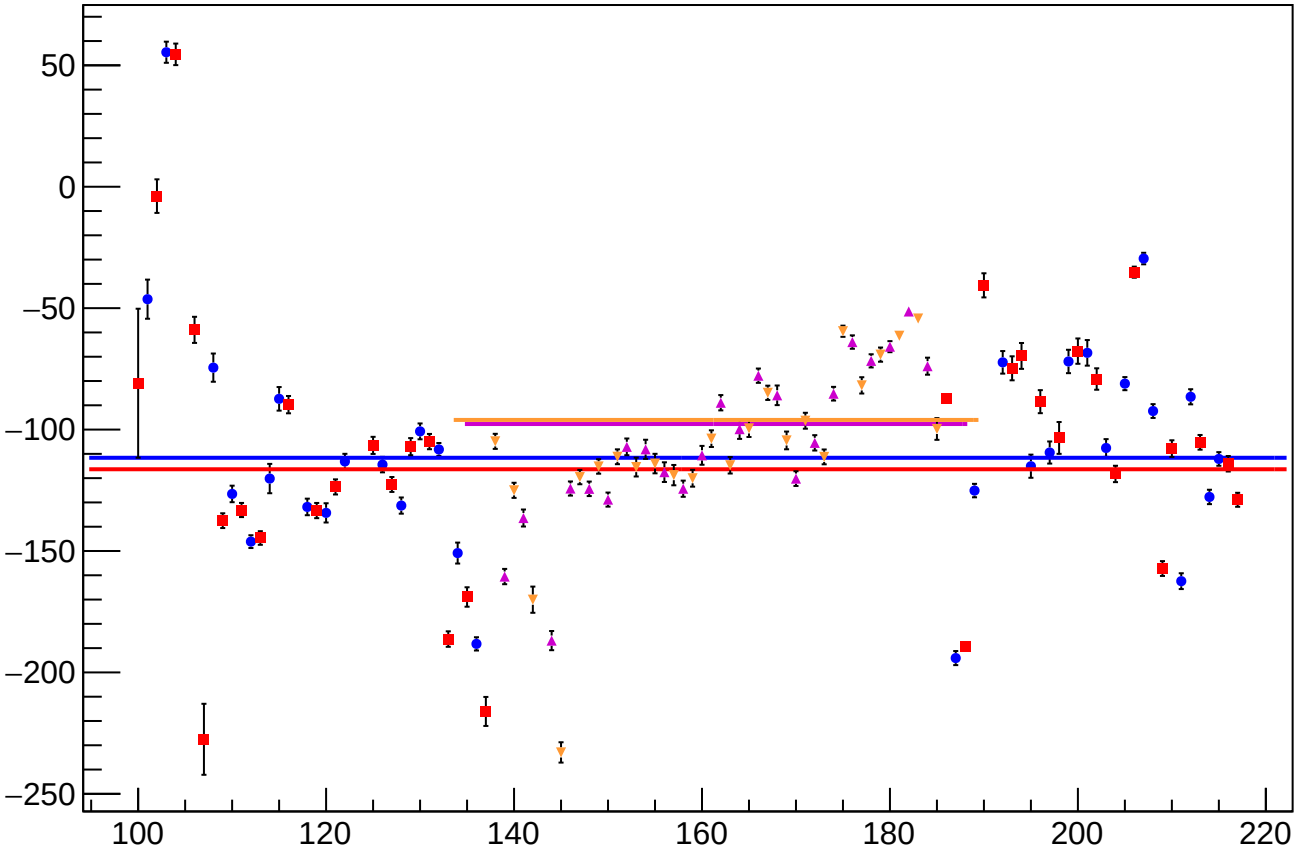
Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.874+/-0.028 χ^2/NDF: 315344.5/55

All: 106.061+/-0.020 χ^2/NDF: 786067.3/113

- sign 104.295+/-0.027 χ^2/NDF: 462315.2/57

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -111.611+/-0.611 χ^2/NDF: 5531.5/30

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

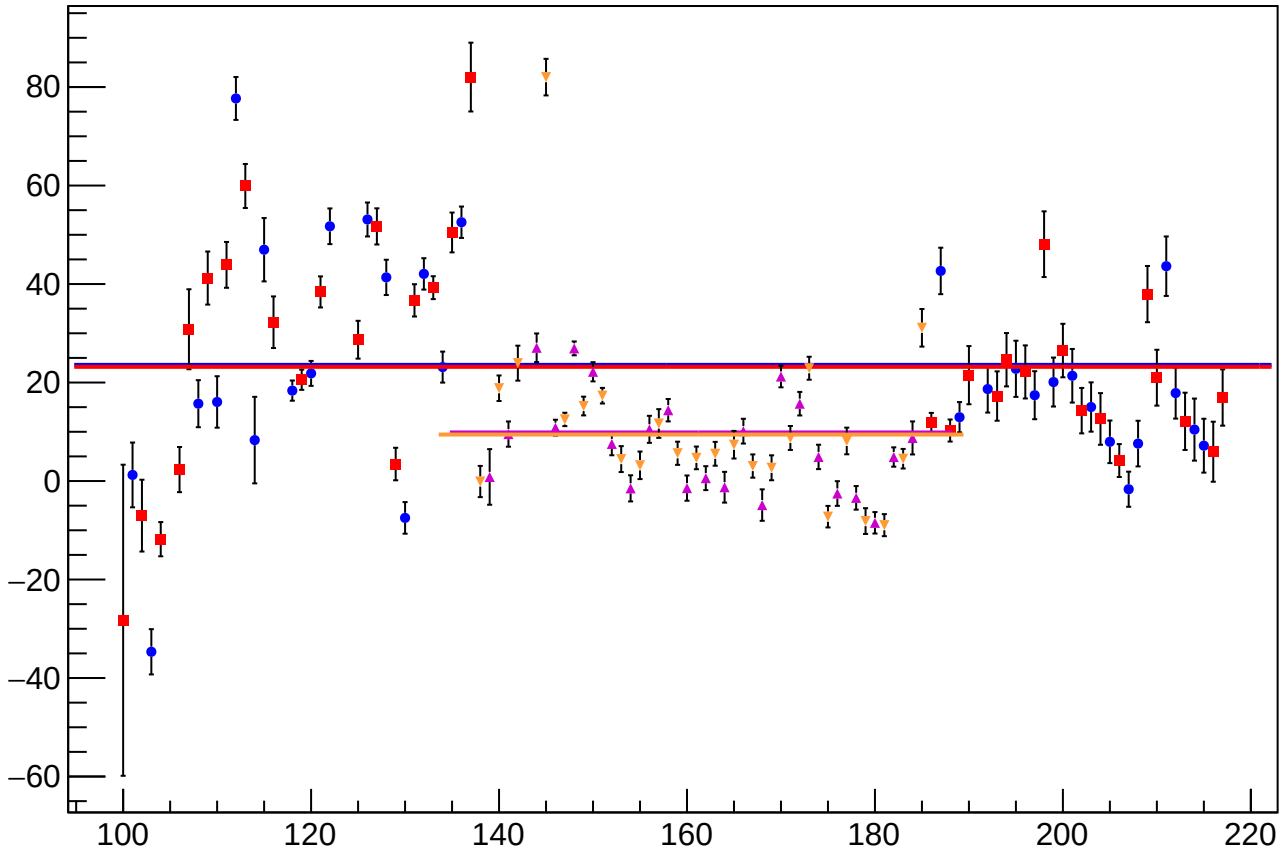
Right Out: -116.342+/-0.566 χ^2/NDF: 7535.9/33

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -104.118+/-0.440 χ^2/NDF: 8615.3/54

All: -106.210+/-0.305 χ^2/NDF: 19312.2/111

\- sign -108.146+/-0.424 χ^2/NDF: 10653.4/56



Right In: 23.587+/-0.716 χ^2/NDF: 858.1/30

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

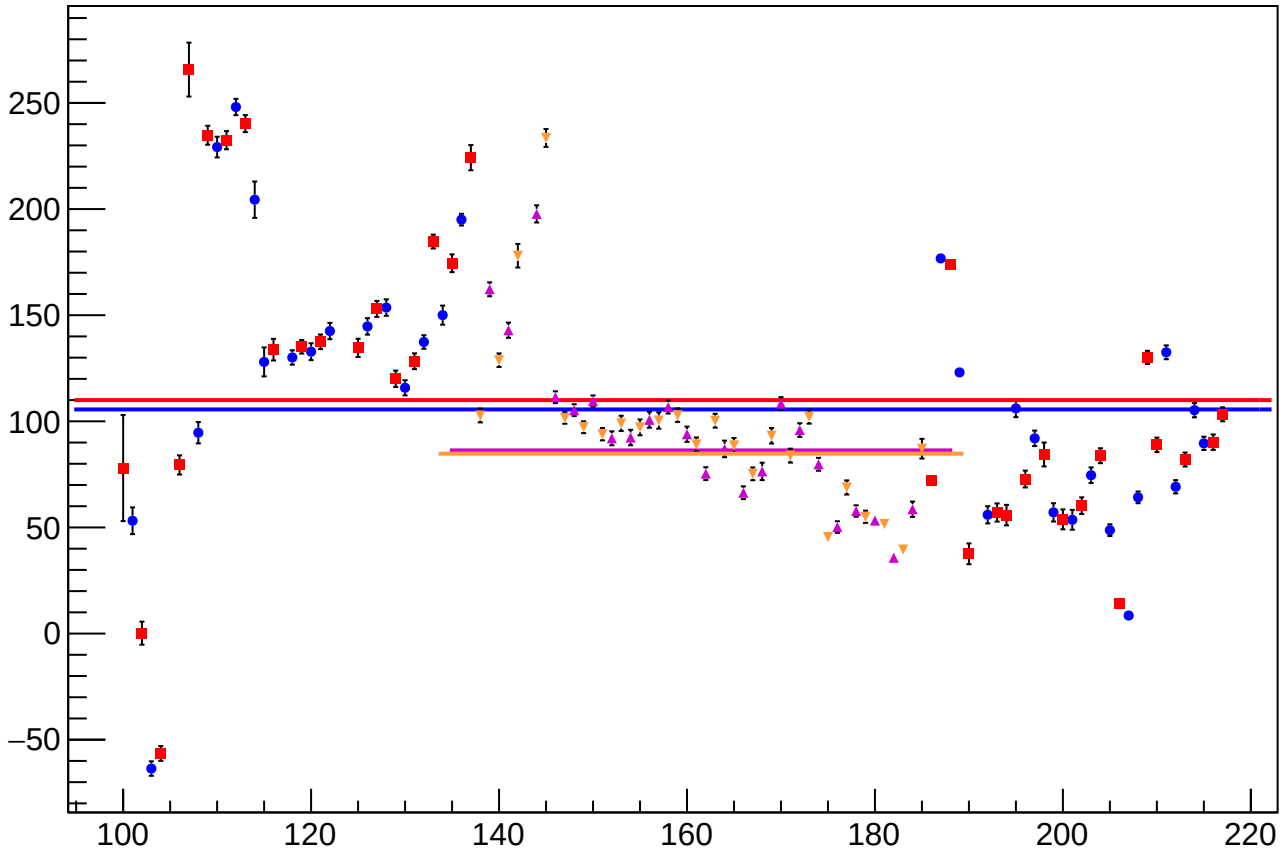
Right Out: 23.190+/-0.671 χ^2/NDF: 689.1/33

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.800+/-0.398 χ^2/NDF: 1864.6/54

All: 14.131+/-0.280 χ^2/NDF: 3298.8/111

- sign 14.455+/-0.394 χ^2/NDF: 1432.9/56



Right In: 105.603+/-0.624 χ^2/NDF: 10543.3/30

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

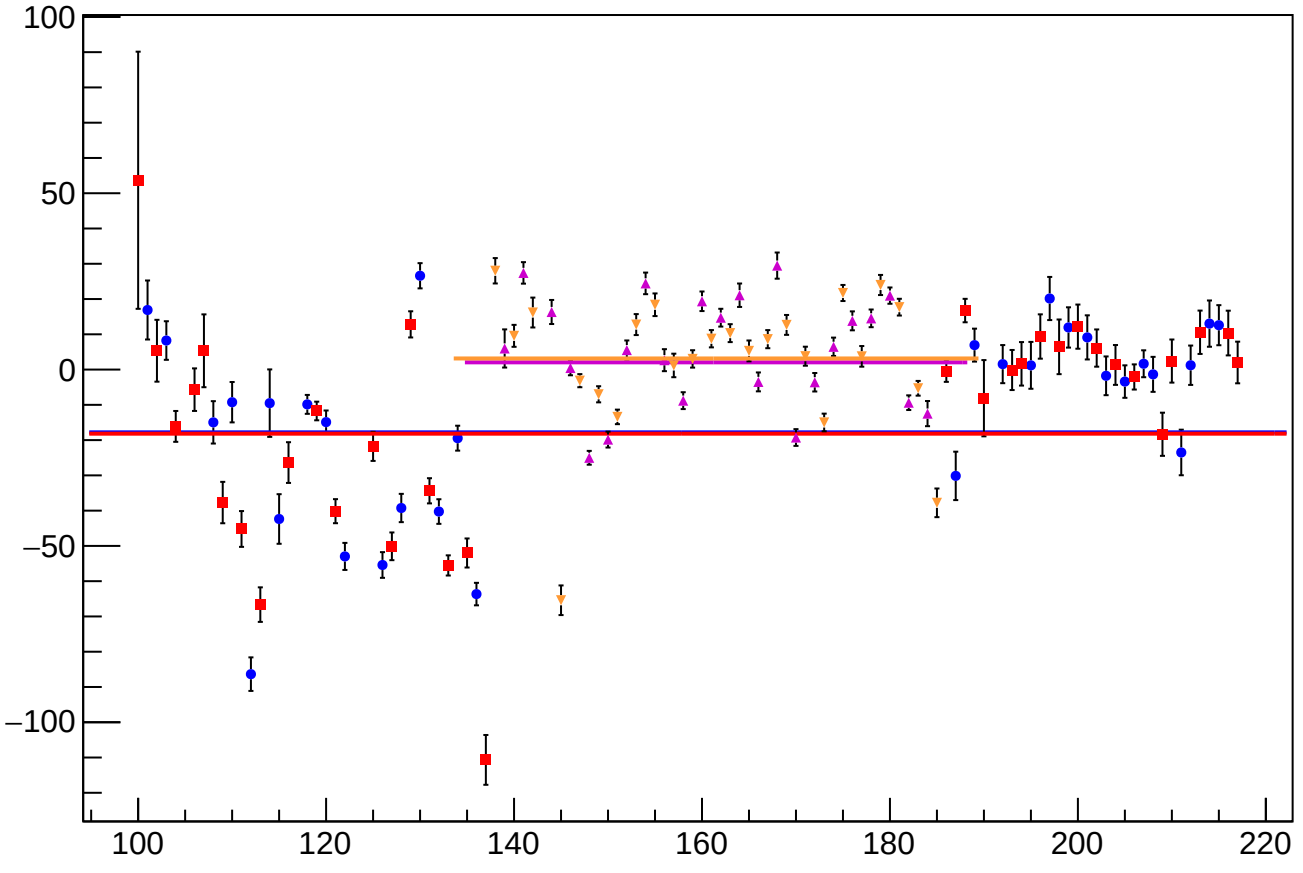
Right Out: 109.995+/-0.555 χ^2/NDF: 13292.9/33

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.273+/-0.443 χ^2/NDF: 14207.4/54

All: 97.607+/-0.304 χ^2/NDF: 31499.4/111

\- sign 99.675+/-0.417 χ^2/NDF: 17239.6/56



Right In: -17.801+/-0.827 χ^2/NDF: 1149.0/30

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

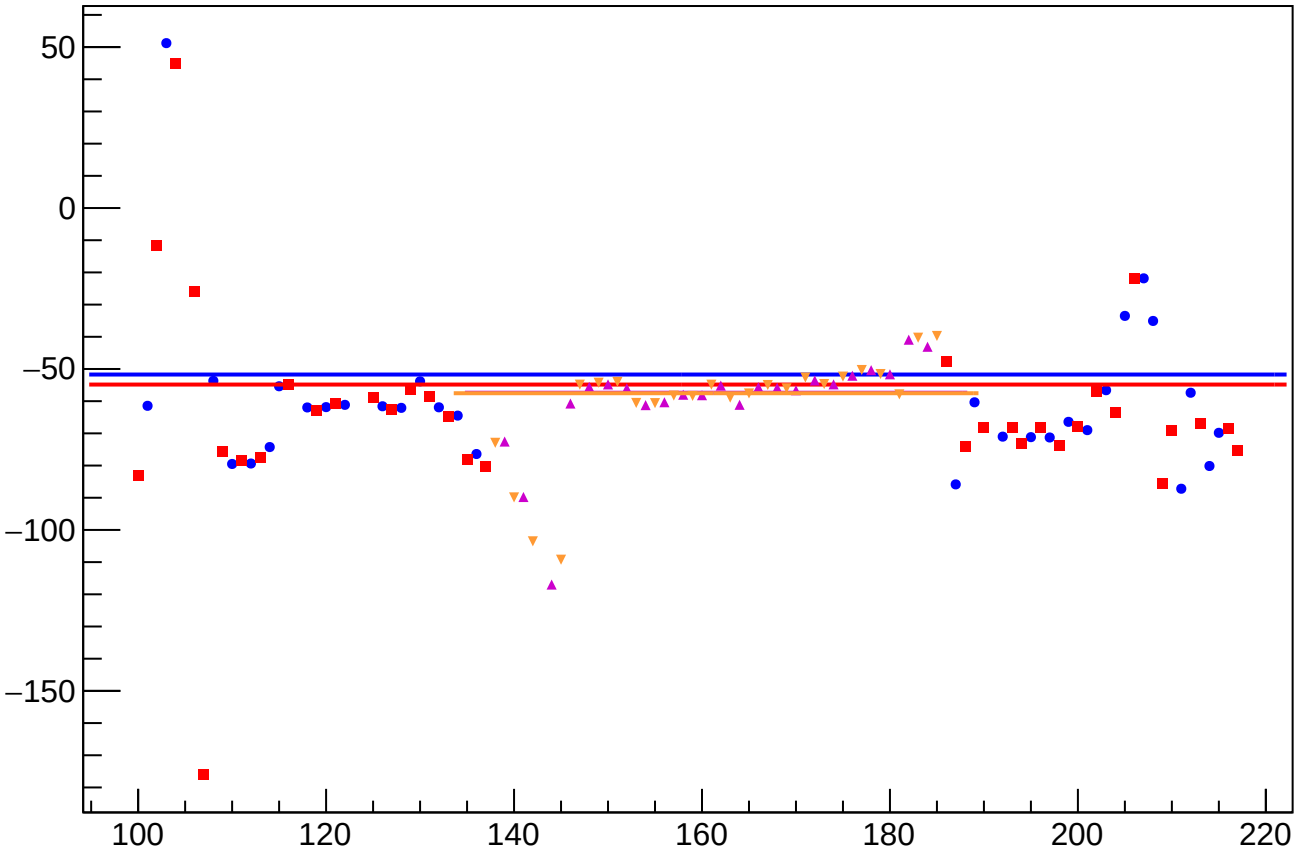
Right Out: -18.175+/-0.800 χ^2/NDF: 1112.1/33

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.178+/-0.454 χ^2/NDF: 2411.4/54

All: -3.819+/-0.321 χ^2/NDF: 4811.9/111

\- sign -4.458+/-0.454 χ^2/NDF: 2396.5/56



Right In: -51.724+/-0.040 χ^2/NDF: 729249.1/30

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

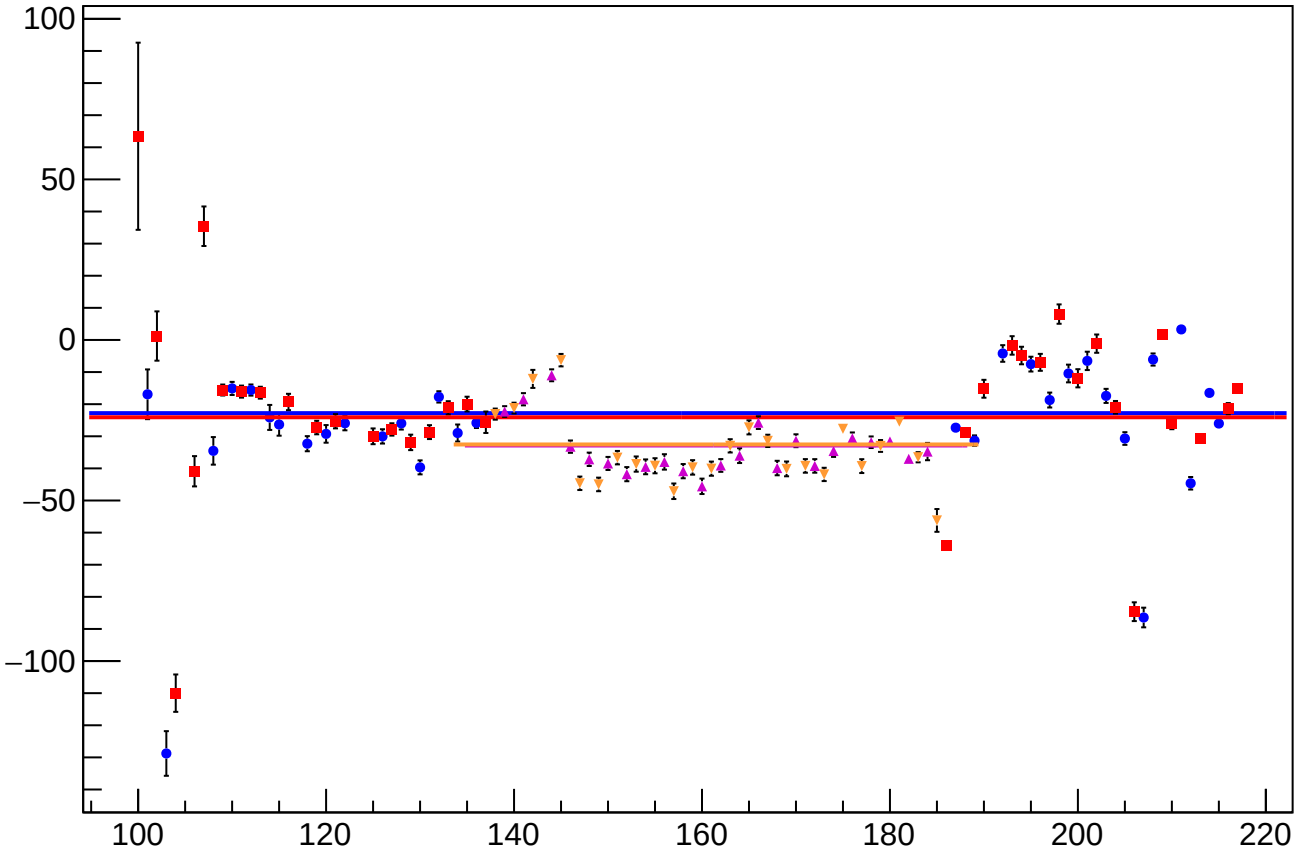
Right Out: -54.838+/-0.040 χ^2/NDF: 641865.4/33

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.914+/-0.021 χ^2/NDF: 1011606.4/54

All: -56.292+/-0.015 χ^2/NDF: 1884182.2/111

- sign -56.671+/-0.021 χ^2/NDF: 871927.9/56



Right In: -22.792+/-0.378 χ^2/NDF: 1542.7/30

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

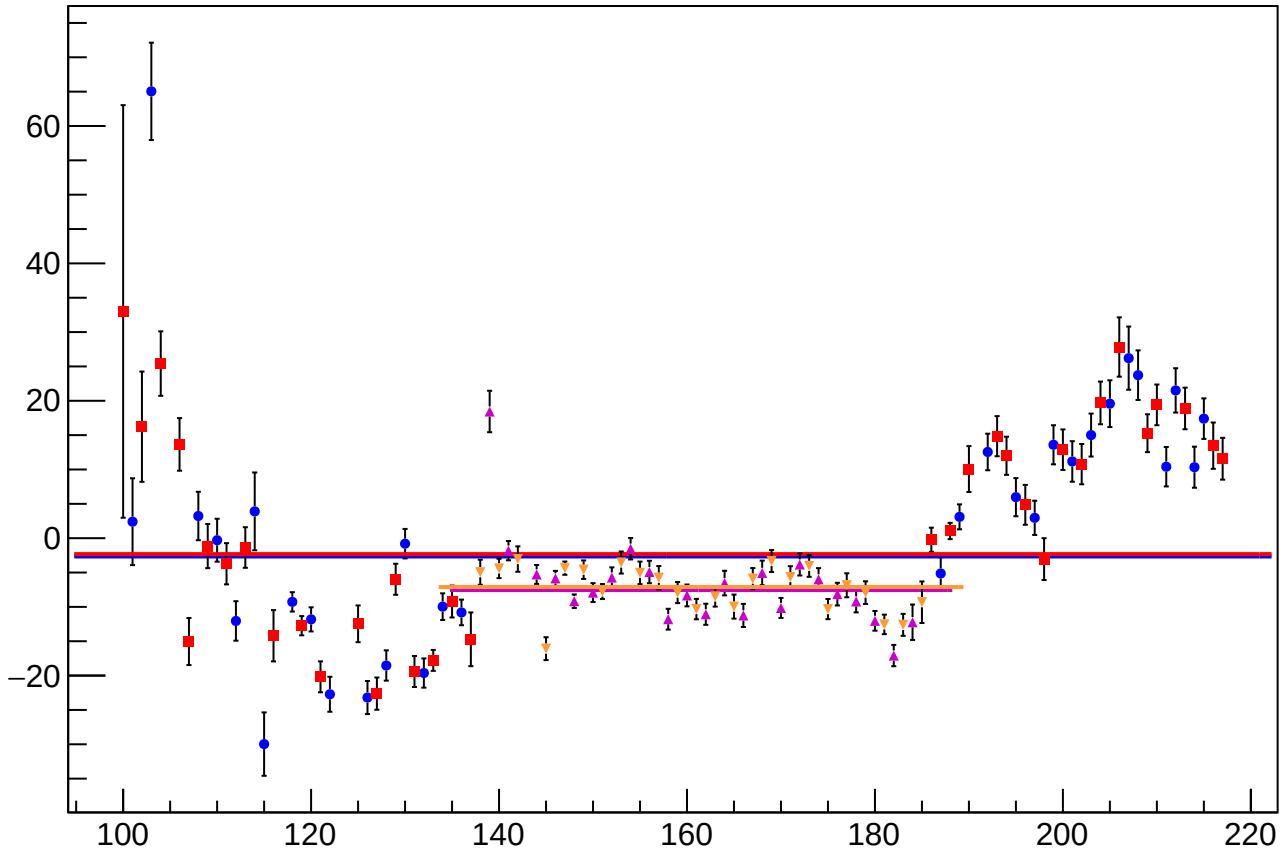
Right Out: -24.079+/-0.352 χ^2/NDF: 2421.8/33

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

+ sign -27.317+/-0.277 χ^2/NDF: 2455.1/54

All: -27.565+/-0.192 χ^2/NDF: 5515.1/111

- sign -27.795+/-0.267 χ^2/NDF: 3058.5/56



Right In: -2.662+/-0.462 χ^2/NDF: 898.4/30

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

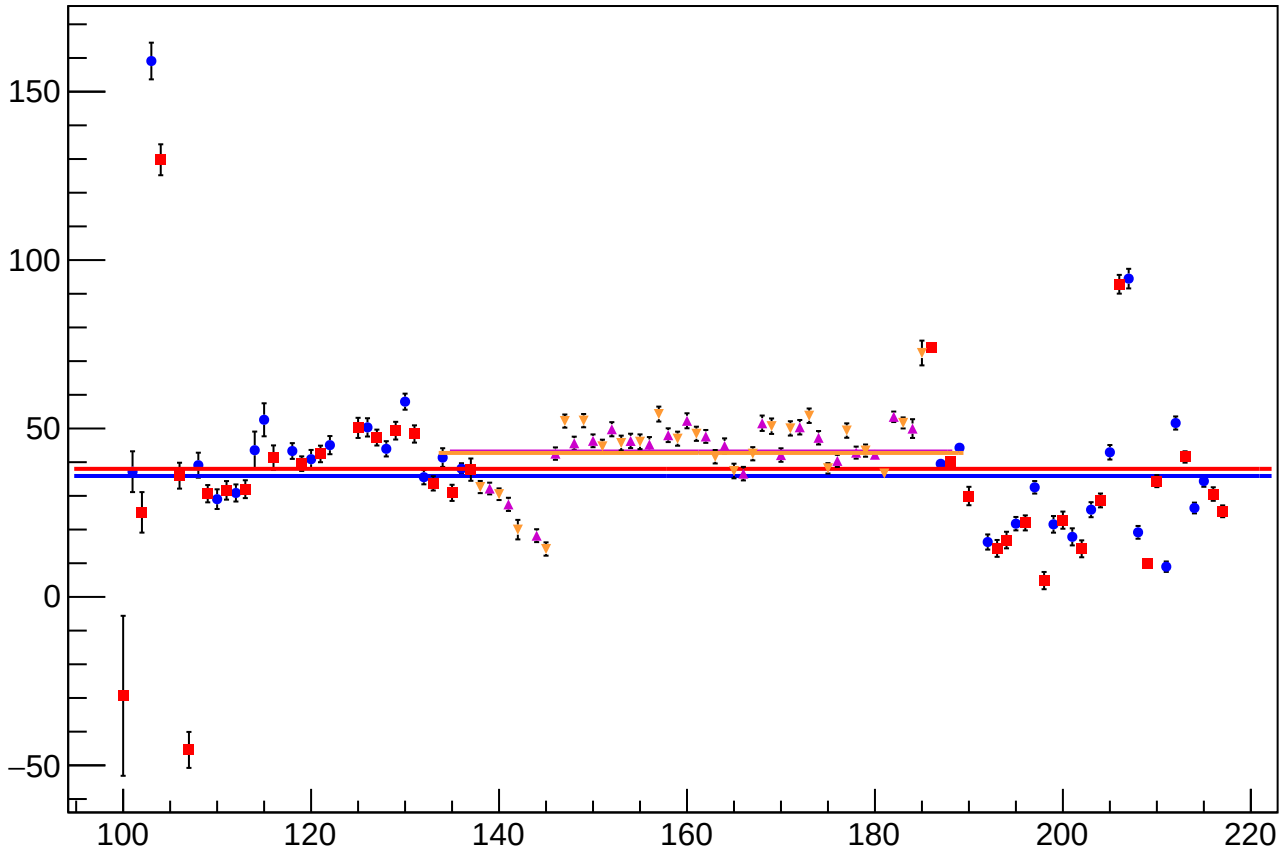
Right Out: -2.316+/-0.436 χ^2/NDF: 895.5/33

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.733+/-0.257 χ^2/NDF: 1072.0/54

All: -5.743+/-0.181 χ^2/NDF: 2261.7/111

- sign -5.754+/-0.255 χ^2/NDF: 1189.7/56



Right In: 35.903+/-0.385 χ^2/NDF: 1870.5/30

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.023+/-0.348 χ^2/NDF: 3144.7/33

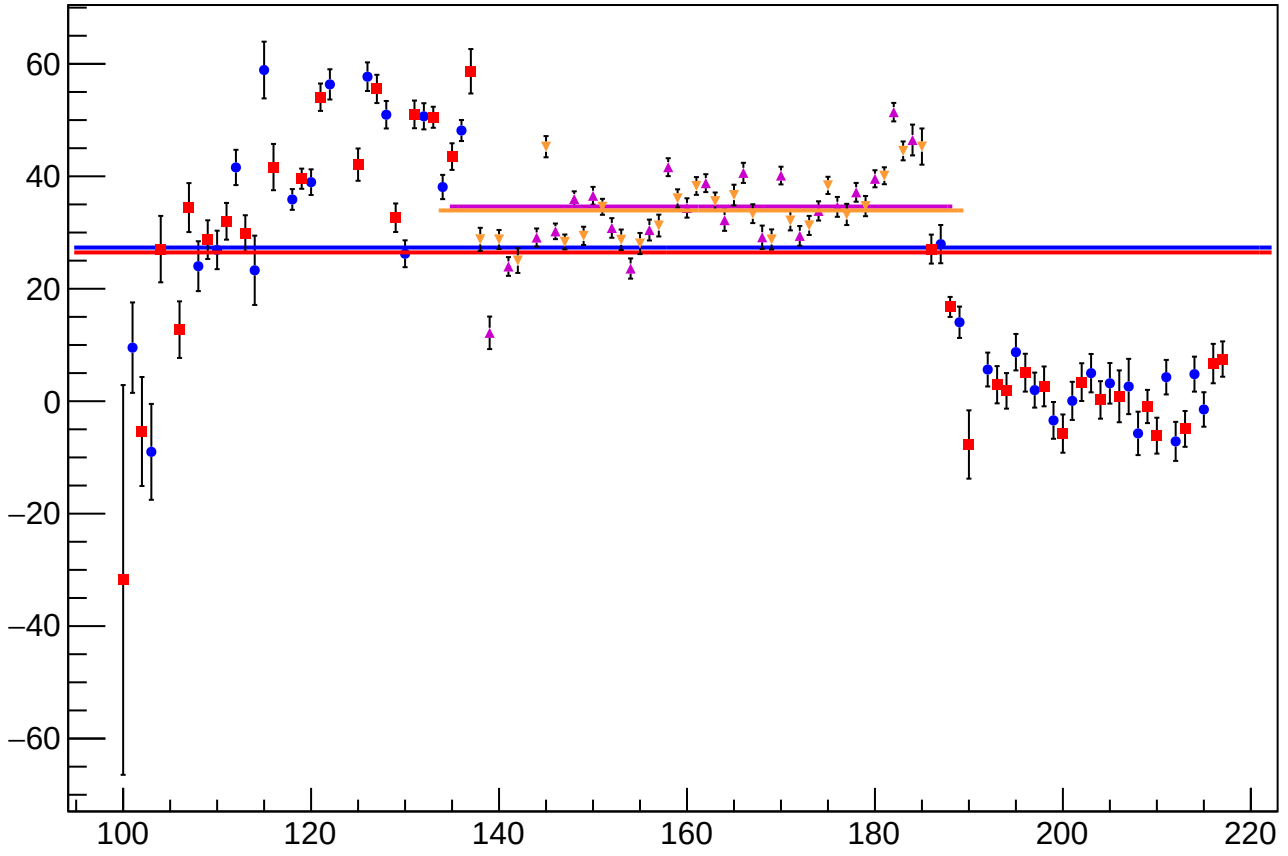
Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 39.168+/-0.279 χ^2/NDF: 2652.5/54

All: 39.709+/-0.192 χ^2/NDF: 6309.6/111

- sign 40.196+/-0.265 χ^2/NDF: 3650.0/56

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: 27.334+/-0.534 χ^2/NDF: 1542.0/30

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

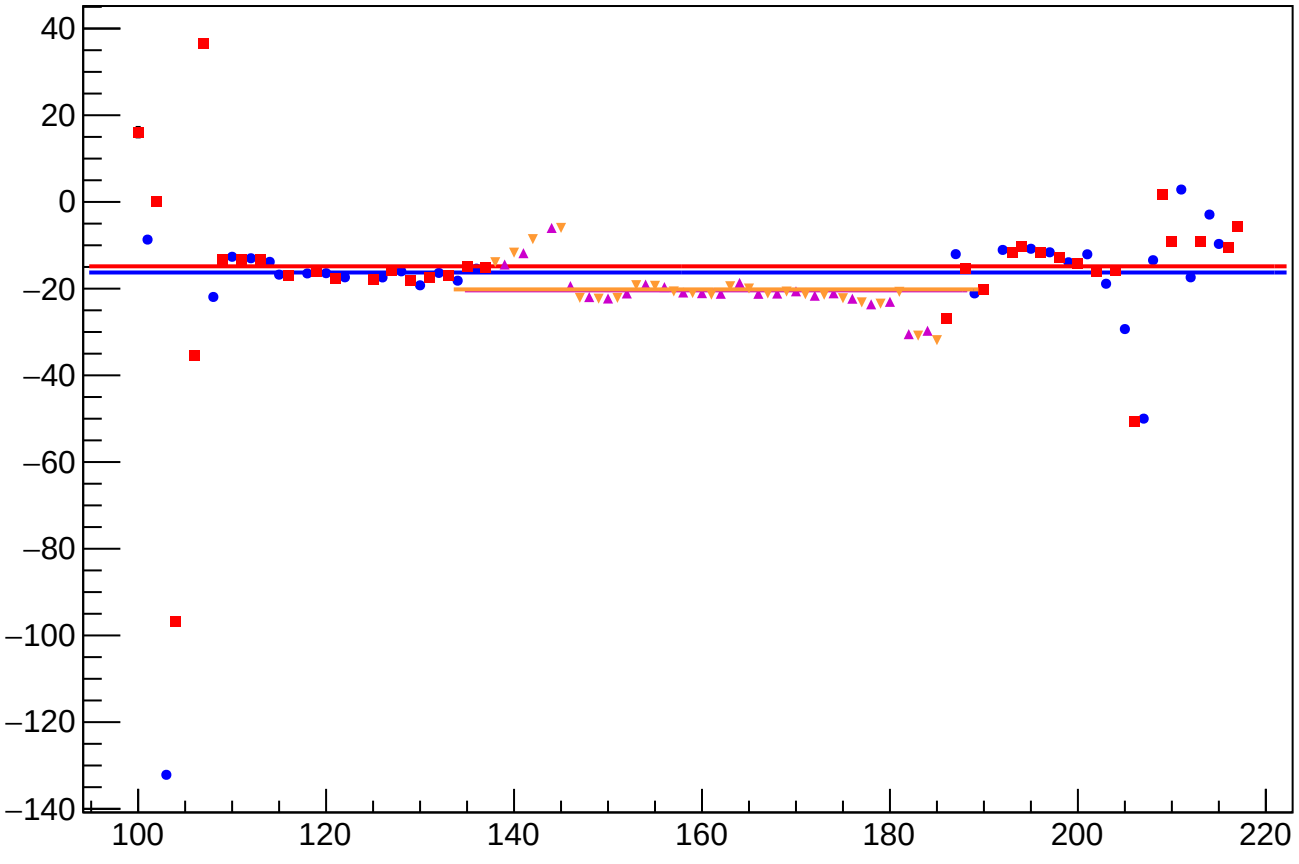
Right Out: 26.460+/-0.518 χ^2/NDF: 1619.4/33

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

\+ sign 31.940+/-0.293 χ^2/NDF: 1865.3/54

All: 31.970+/-0.207 χ^2/NDF: 4029.4/111

\- sign 32.001+/-0.293 χ^2/NDF: 2164.1/56



Right In: -16.277+/-0.026 χ^2/NDF: 332153.4/30

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.852+/-0.025 χ^2/NDF: 278742.4/33

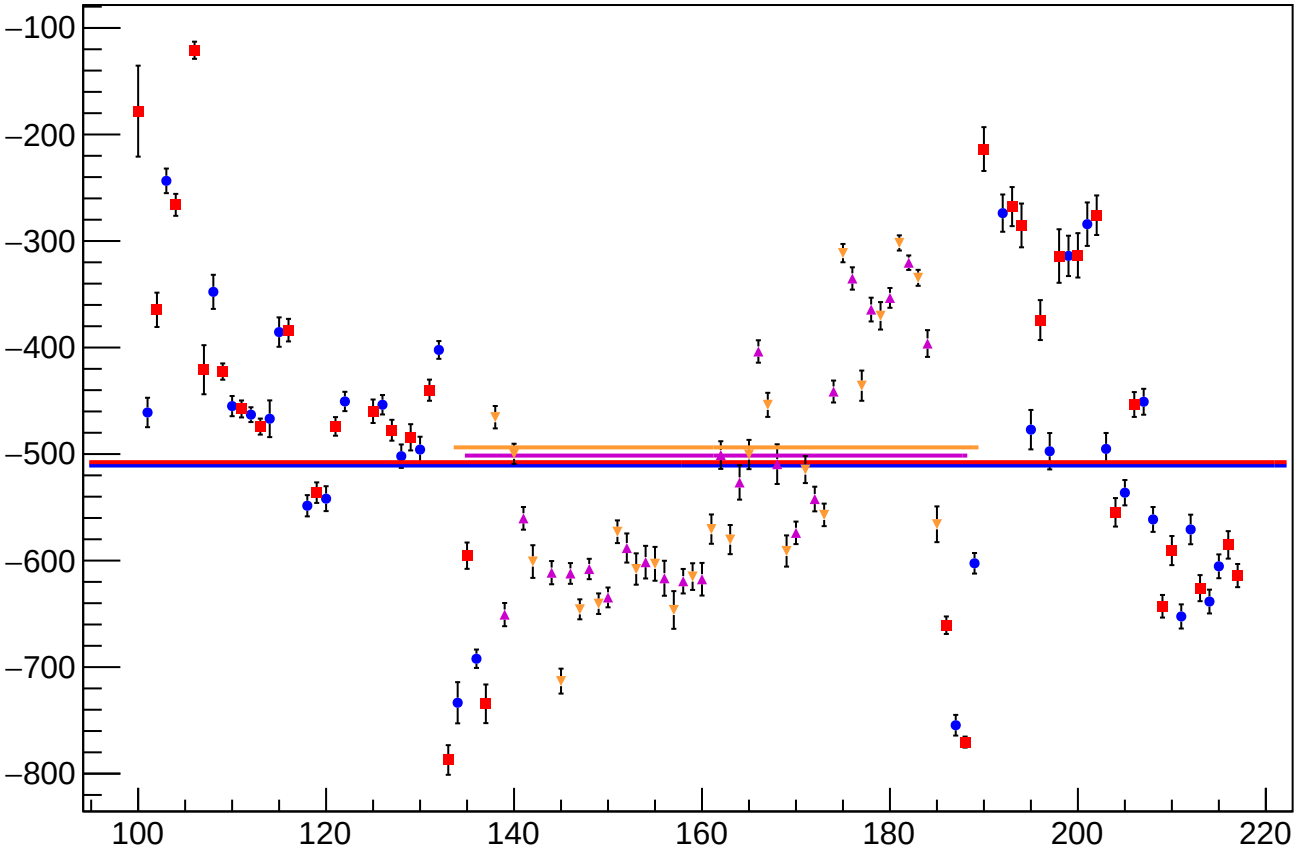
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.116+/-0.013 χ^2/NDF: 448666.6/54

All: -18.982+/-0.009 χ^2/NDF: 843225.6/111

- sign -18.848+/-0.013 χ^2/NDF: 394359.2/56

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -510.751+/-2.063 χ^2/NDF: 3238.0/30

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

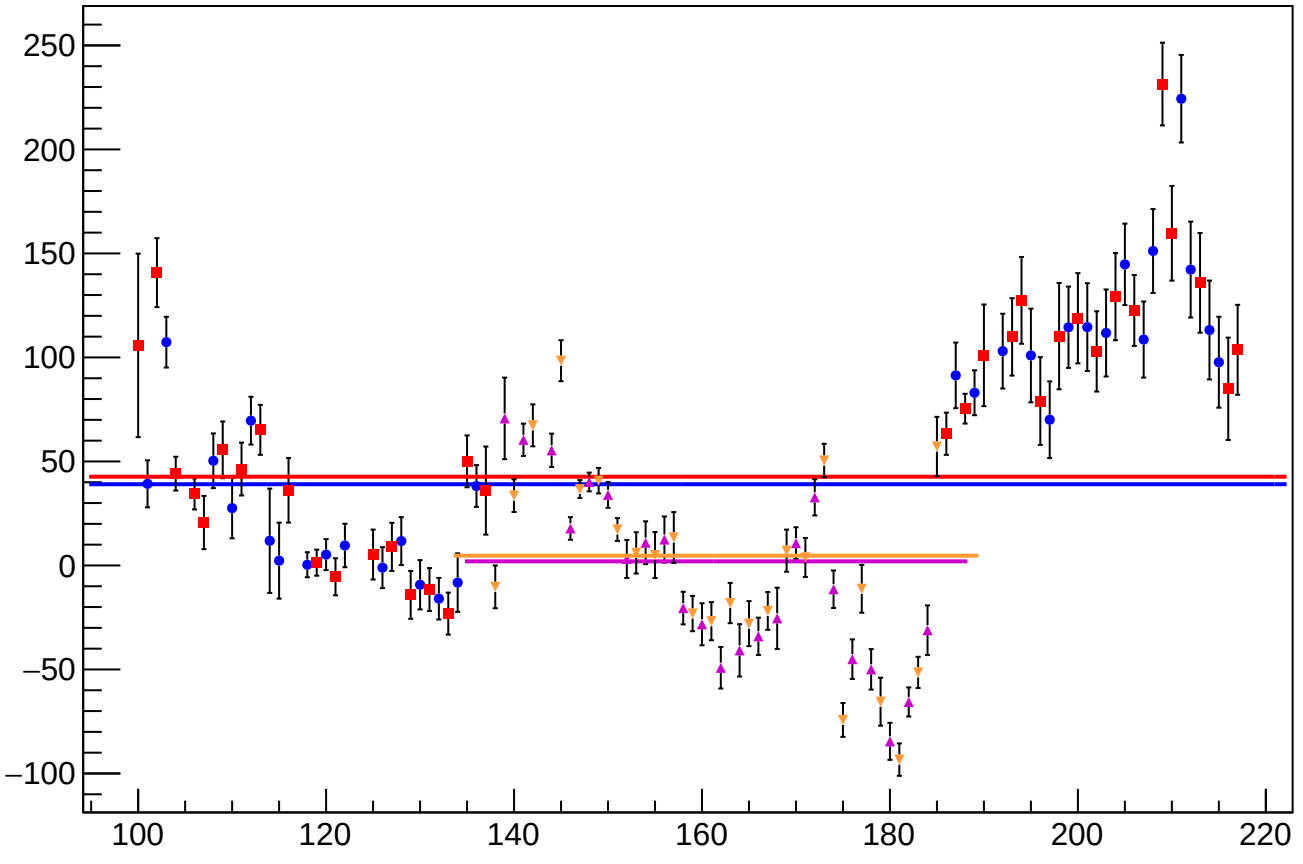
Right Out: -507.608+/-1.881 χ^2/NDF: 8285.4/33

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -503.141+/-1.534 χ^2/NDF: 6418.5/54

All: -504.191+/-1.057 χ^2/NDF: 17398.3/111

- sign -505.139+/-1.457 χ^2/NDF: 10979.0/56



Right In: 39.043+/-2.320 χ^2/NDF: 475.0/30

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

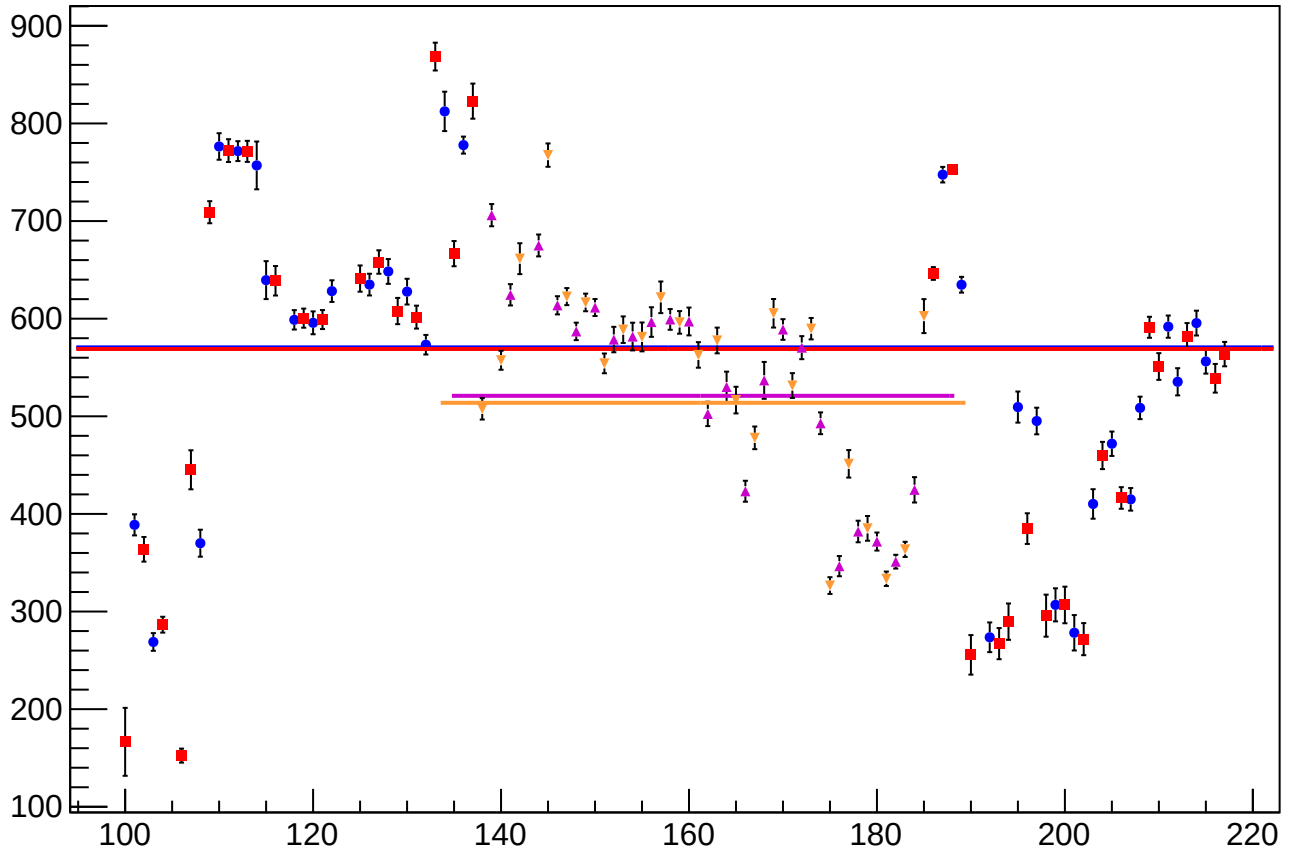
Right Out: 42.652+/-2.160 χ^2/NDF: 505.8/33

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 16.662+/-1.369 χ^2/NDF: 1298.0/54

All: 17.231+/-0.960 χ^2/NDF: 2581.9/111

- sign 17.780+/-1.346 χ^2/NDF: 1283.5/56



Right In: 570.590+/-2.137 χ^2/NDF: 5015.9/30

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

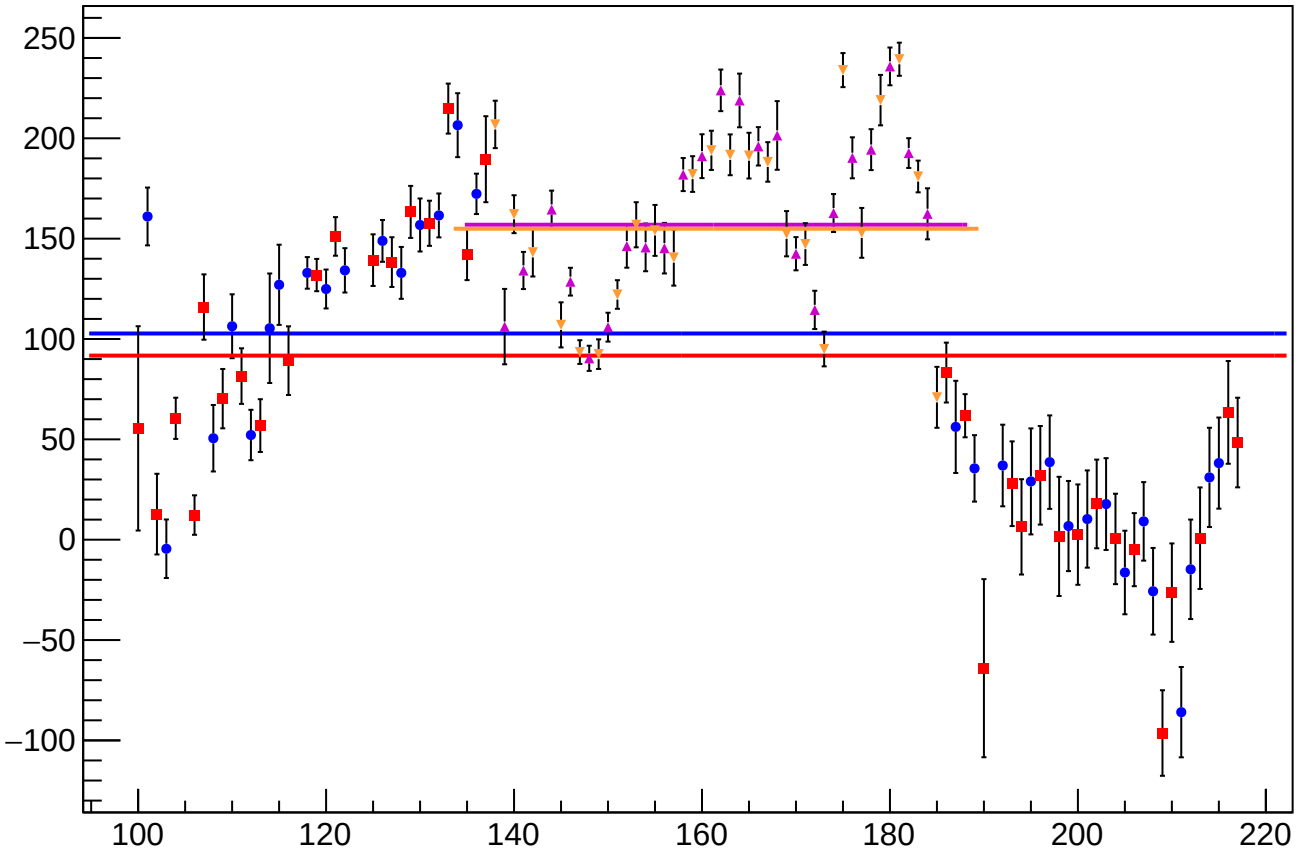
Right Out: 568.973+/-1.890 χ^2/NDF: 10678.2/33

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 544.015+/-1.558 χ^2/NDF: 8081.8/54

All: 546.924+/-1.064 χ^2/NDF: 21471.4/111

- sign 549.465+/-1.456 χ^2/NDF: 13383.0/56



Right In: 102.747+/-2.707 χ^2/NDF: 580.5/30

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

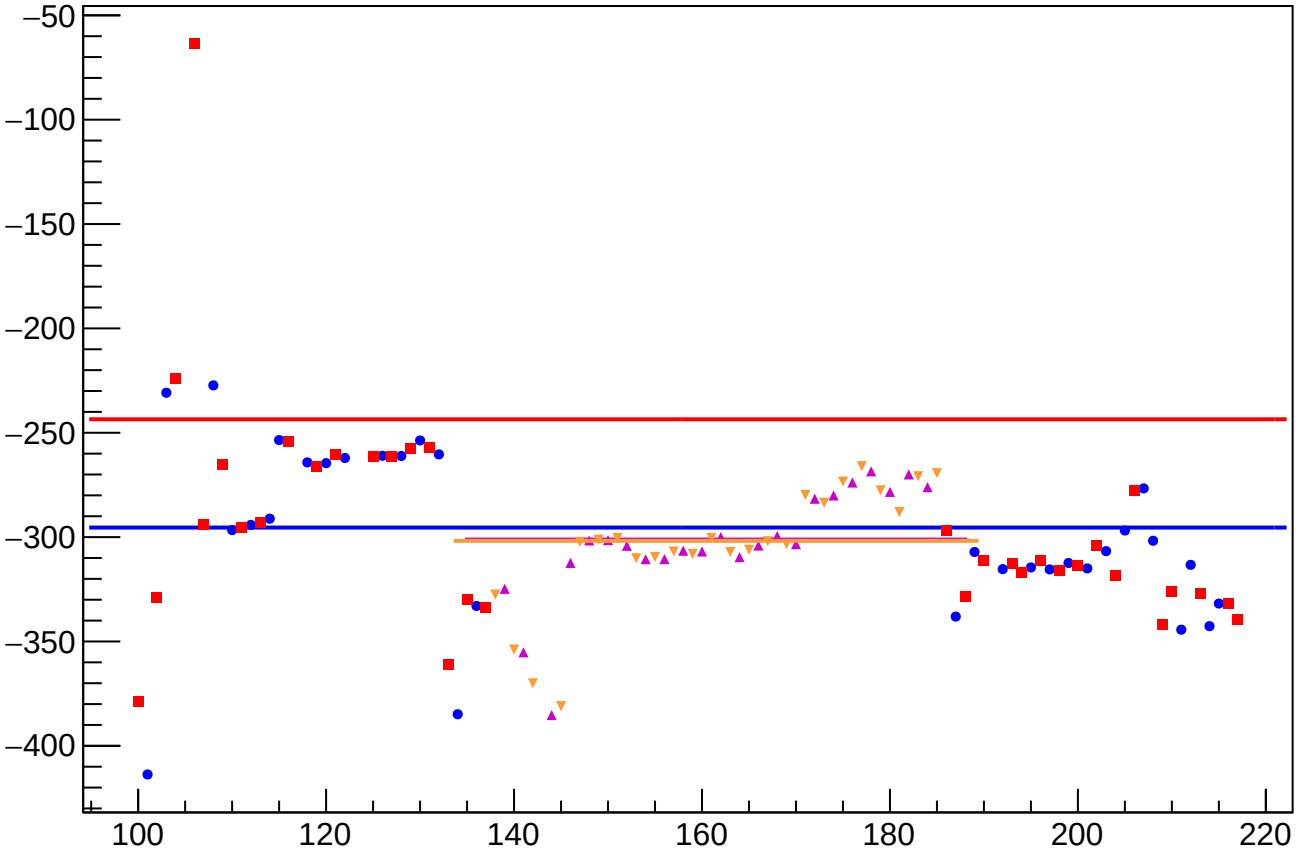
Right Out: 91.723+/-2.574 χ^2/NDF: 637.3/33

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 137.076+/-1.584 χ^2/NDF: 1434.0/54

All: 134.925+/-1.113 χ^2/NDF: 2922.7/111

- sign 132.825+/-1.565 χ^2/NDF: 1485.1/56



Right In: -295.421+/-0.138 χ^2/NDF: 118439.3/30

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -243.545+/-0.121 χ^2/NDF: 713022.6/33

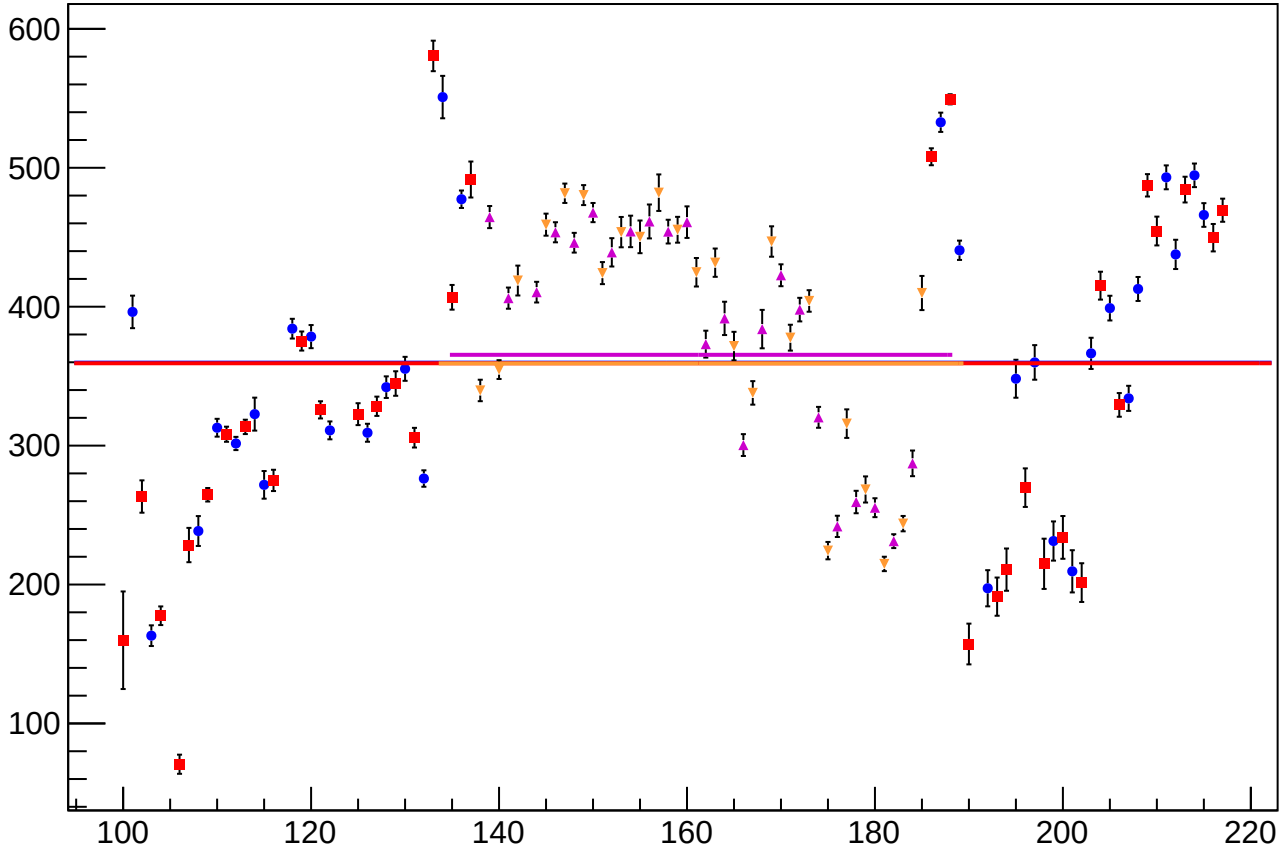
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.859+/-0.076 χ^2/NDF: 206646.2/54

All: -289.823+/-0.052 χ^2/NDF: 1174056.0/11

- sign -280.701+/-0.072 χ^2/NDF: 933959.3/56

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 359.721+/-1.482 χ^2/NDF: 3833.7/30

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

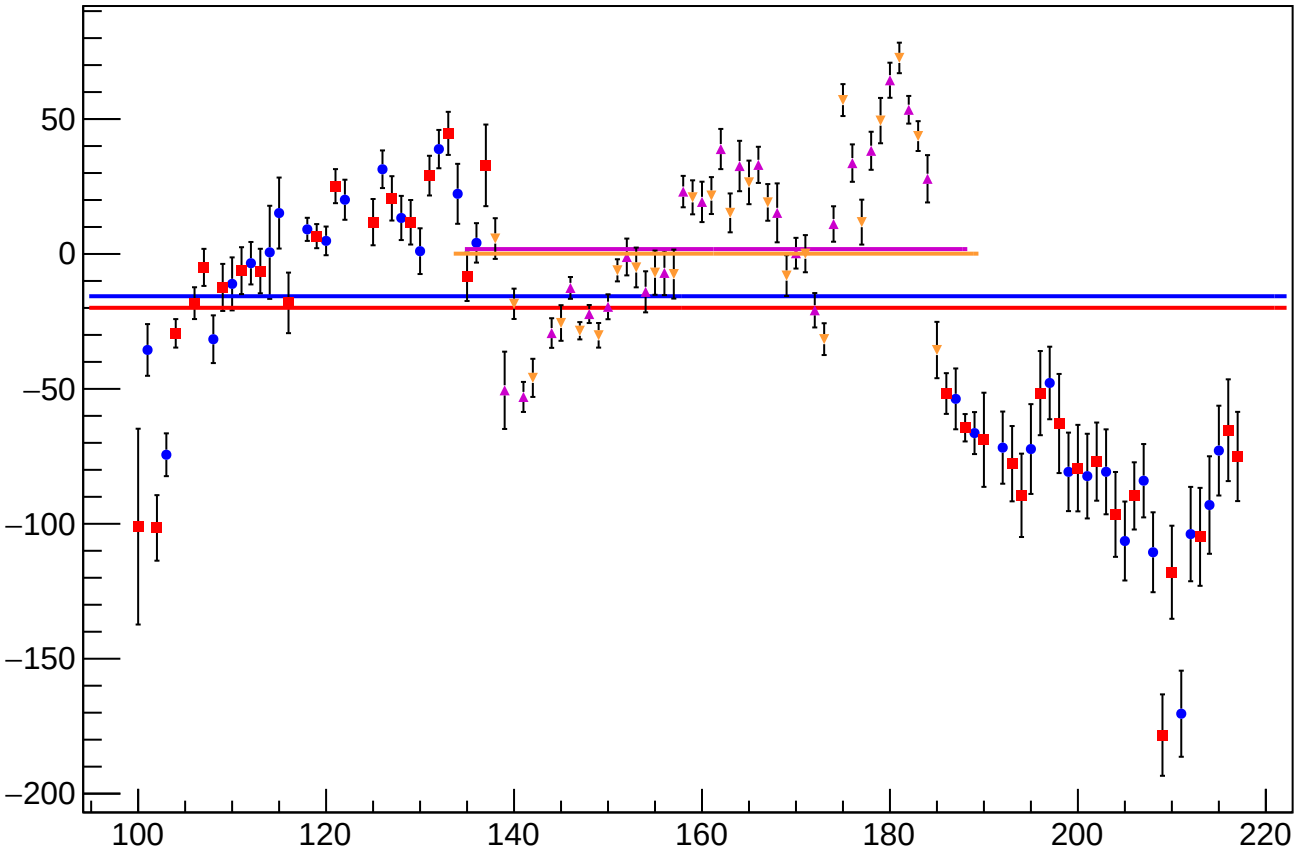
Right Out: 359.281+/-1.347 χ^2/NDF: 8903.5/33

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 359.488+/-1.112 χ^2/NDF: 7021.7/54

All: 360.621+/-0.765 χ^2/NDF: 18674.6/111

- sign 361.640+/-1.054 χ^2/NDF: 11650.9/56



Right In: -15.662+/-1.667 χ^2/NDF: 681.3/30

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

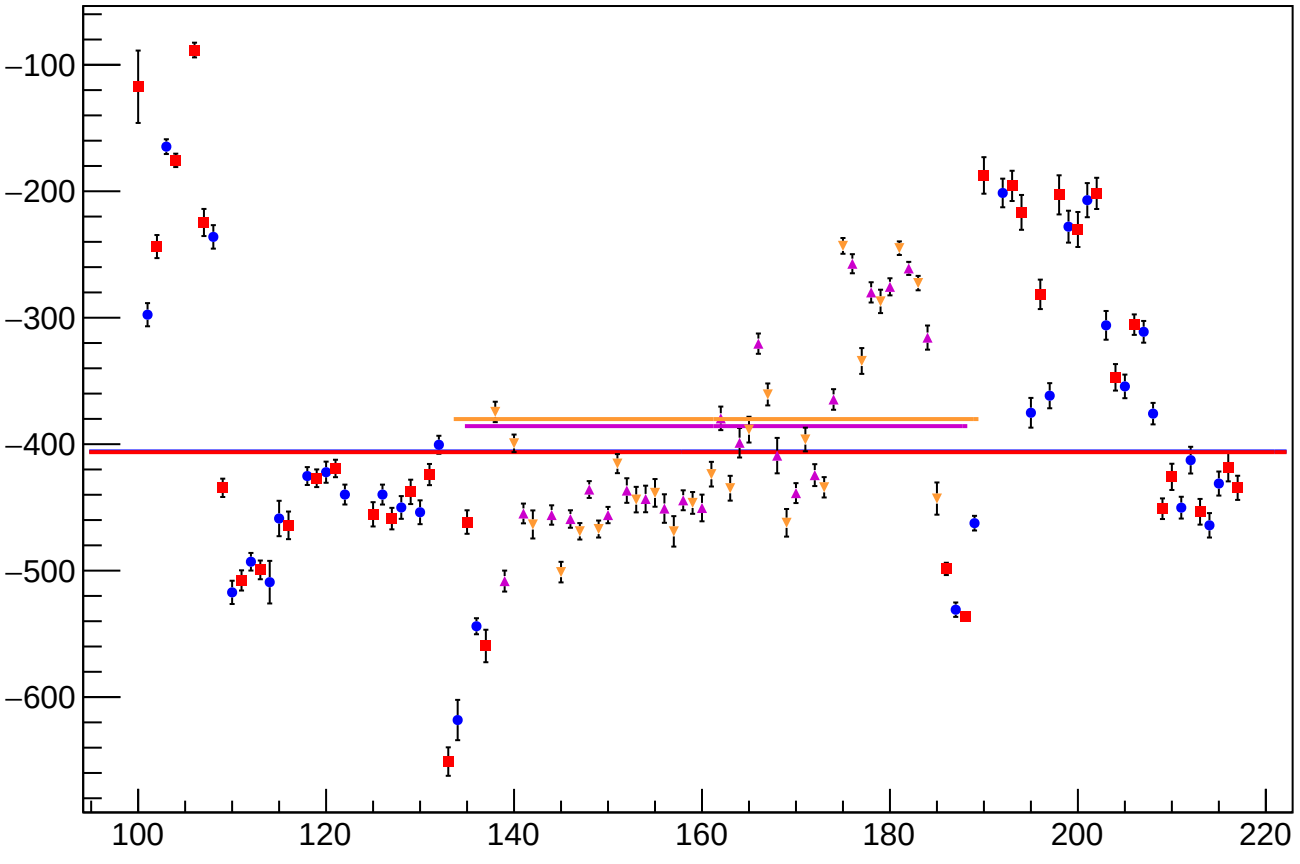
Right Out: -19.952+/-1.535 χ^2/NDF: 741.7/33

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -5.545+/-0.998 χ^2/NDF: 1376.6/54

All: -6.290+/-0.698 χ^2/NDF: 2816.0/111

\- sign -7.004+/-0.977 χ^2/NDF: 1438.3/56



Right In: -405.757+/-1.542 χ^2/NDF: 4938.8/30

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

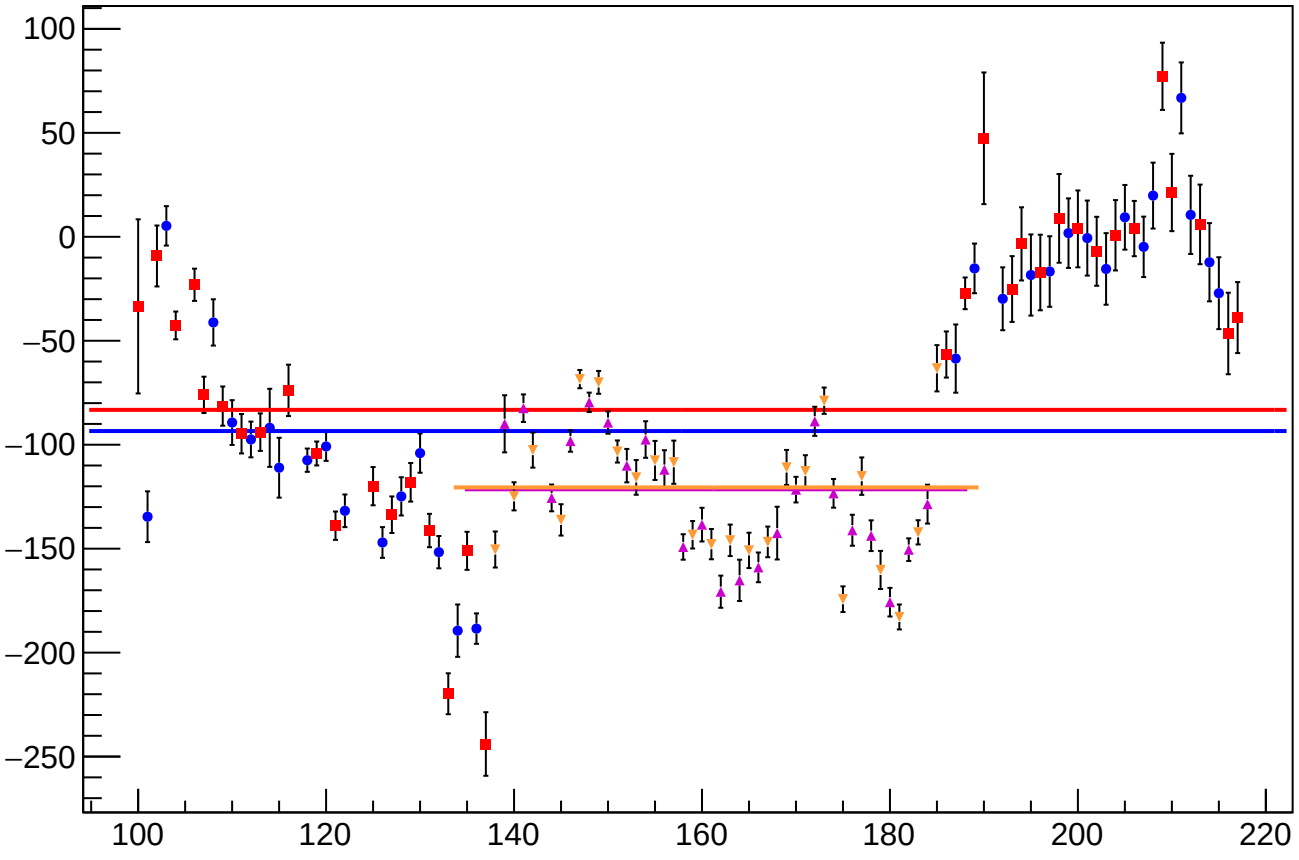
Right Out: -406.305+/-1.359 χ^2/NDF: 10724.8/33

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -393.971+/-1.133 χ^2/NDF: 7684.5/54

All: -396.204+/-0.772 χ^2/NDF: 20868.7/111

- sign -398.145+/-1.056 χ^2/NDF: 13176.9/56



Right In: -93.432+/-1.946 χ^2/NDF: 987.1/30

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

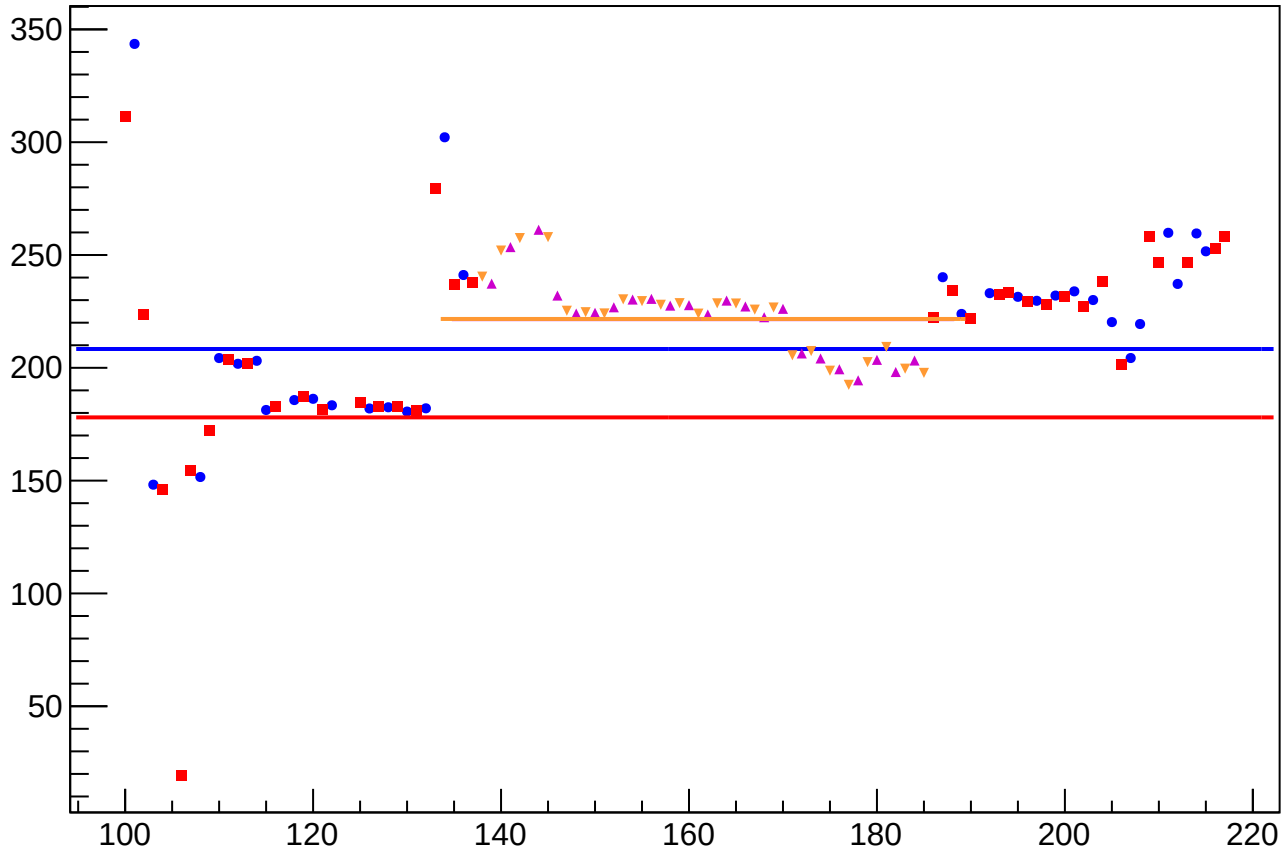
Right Out: -83.235+/-1.830 χ^2/NDF: 1097.0/33

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -110.988+/-1.155 χ^2/NDF: 1724.3/54

All: -108.816+/-0.810 χ^2/NDF: 3529.0/111

\- sign -106.714+/-1.136 χ^2/NDF: 1797.7/56



Right In: 208.340+/-0.099 χ^2/NDF: 212156.1/30

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

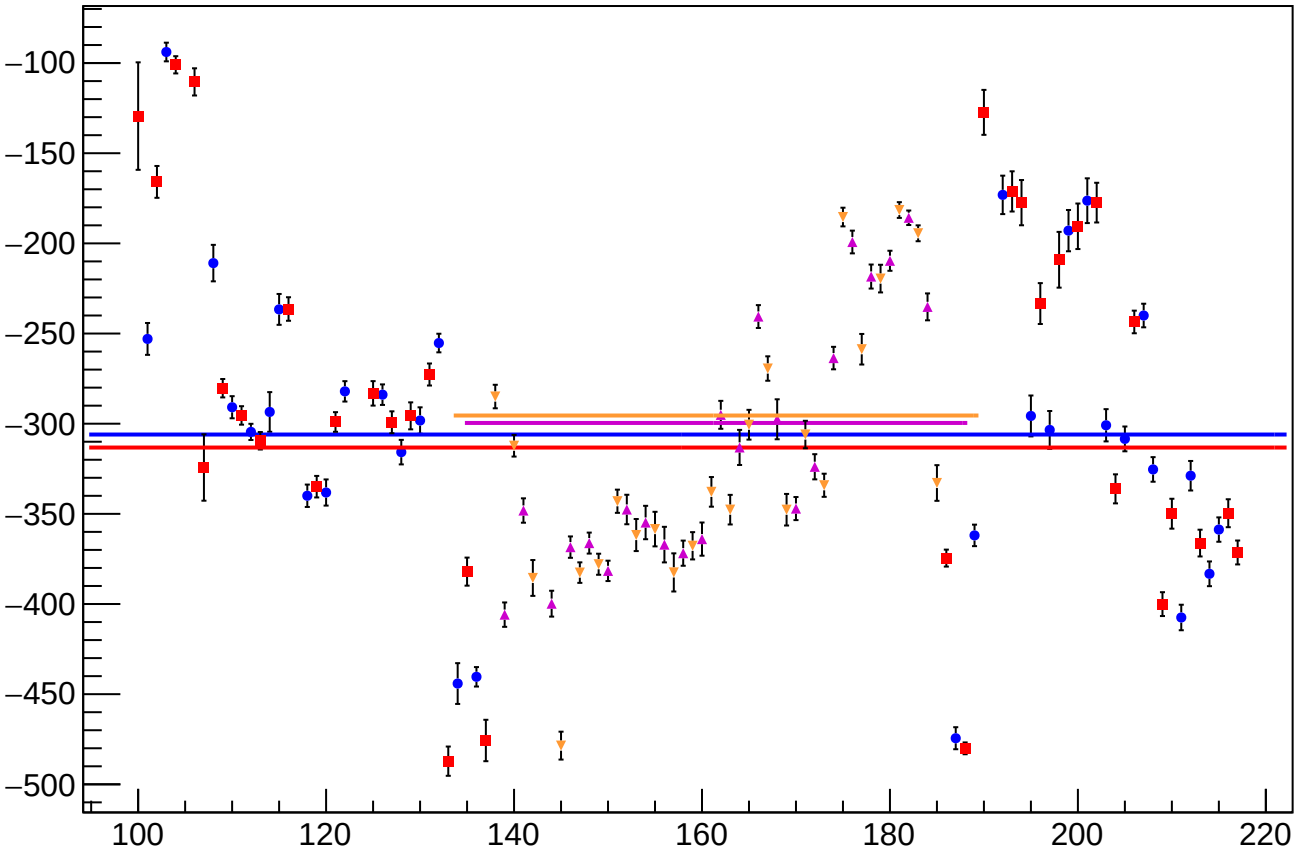
Right Out: 178.025+/-0.090 χ^2/NDF: 685702.1/33

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.488+/-0.055 χ^2/NDF: 291835.9/54

All: 211.647+/-0.038 χ^2/NDF: 1213713.2/11

- sign 206.221+/-0.053 χ^2/NDF: 900335.7/56



Right In: -306.009+/-1.253 χ^2/NDF: 4552.0/30

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -313.225+/-1.165 χ^2/NDF: 8113.1/33

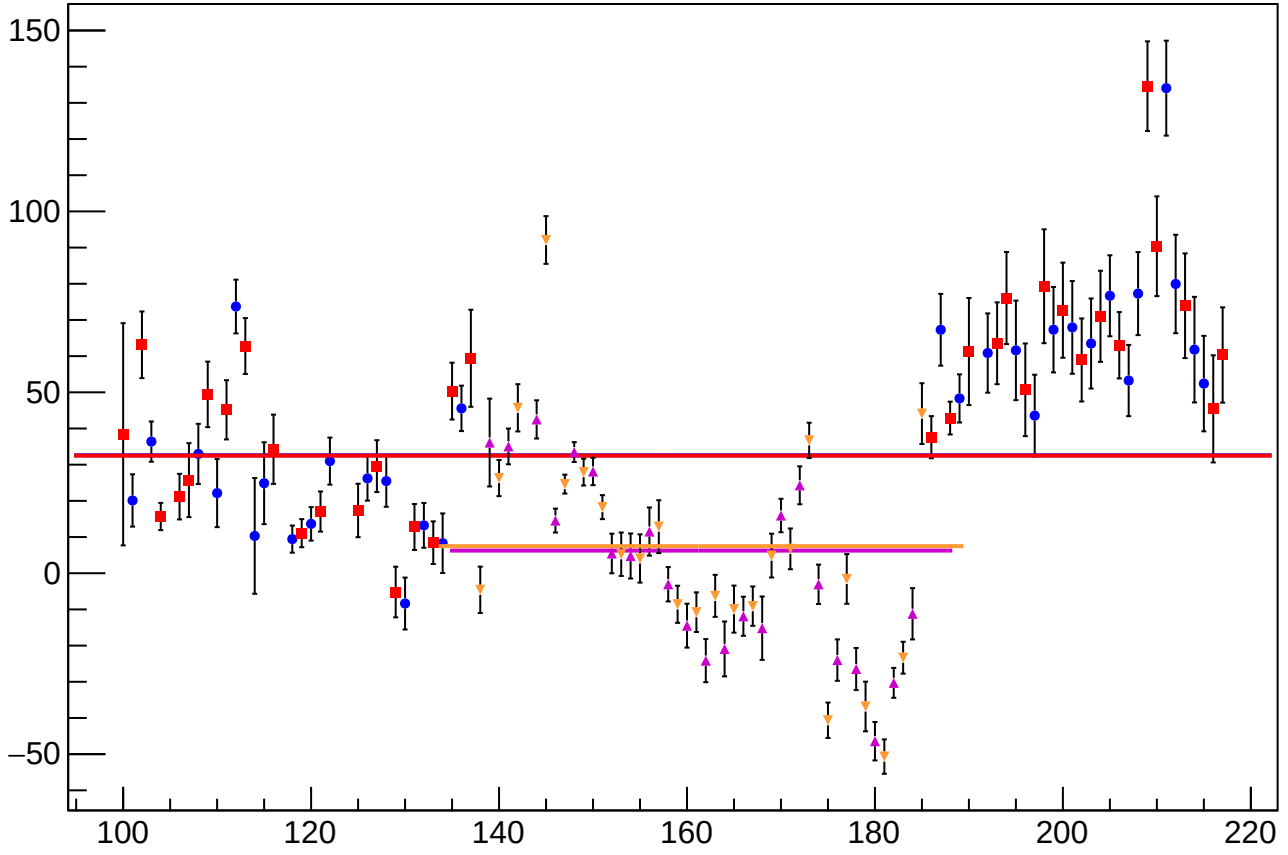
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -301.290+/-0.932 χ^2/NDF: 7930.0/54

All: -304.588+/-0.645 χ^2/NDF: 19095.1/111

- sign -307.630+/-0.895 χ^2/NDF: 11141.0/56

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 32.597+/-1.411 χ^2/NDF: 315.8/30

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

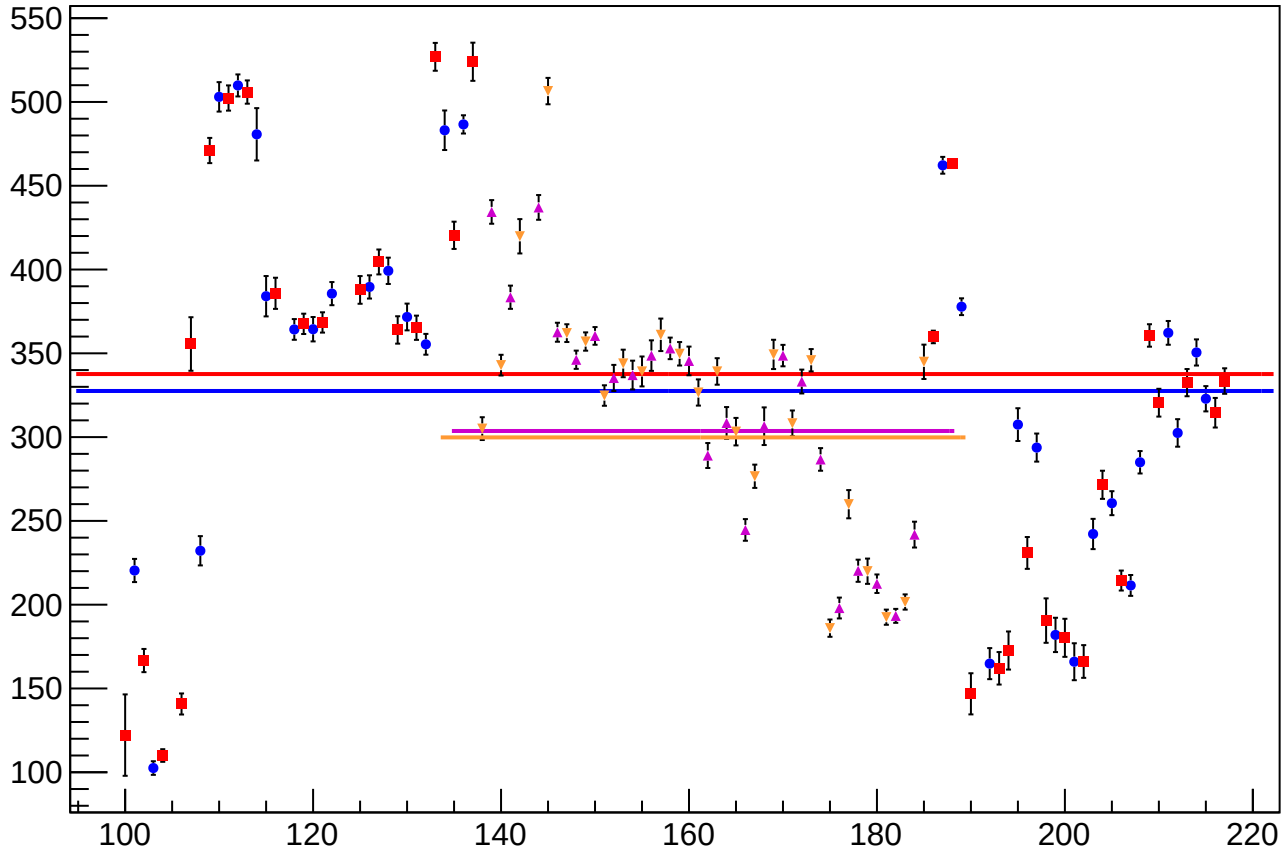
Right Out: 32.500+/-1.323 χ^2/NDF: 337.3/33

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.208+/-0.832 χ^2/NDF: 1260.9/54

All: 16.275+/-0.584 χ^2/NDF: 2399.9/111

\- sign 16.339+/-0.820 χ^2/NDF: 1138.9/56



Right In: 327.526+/-1.281 χ^2/NDF: 8257.8/30

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

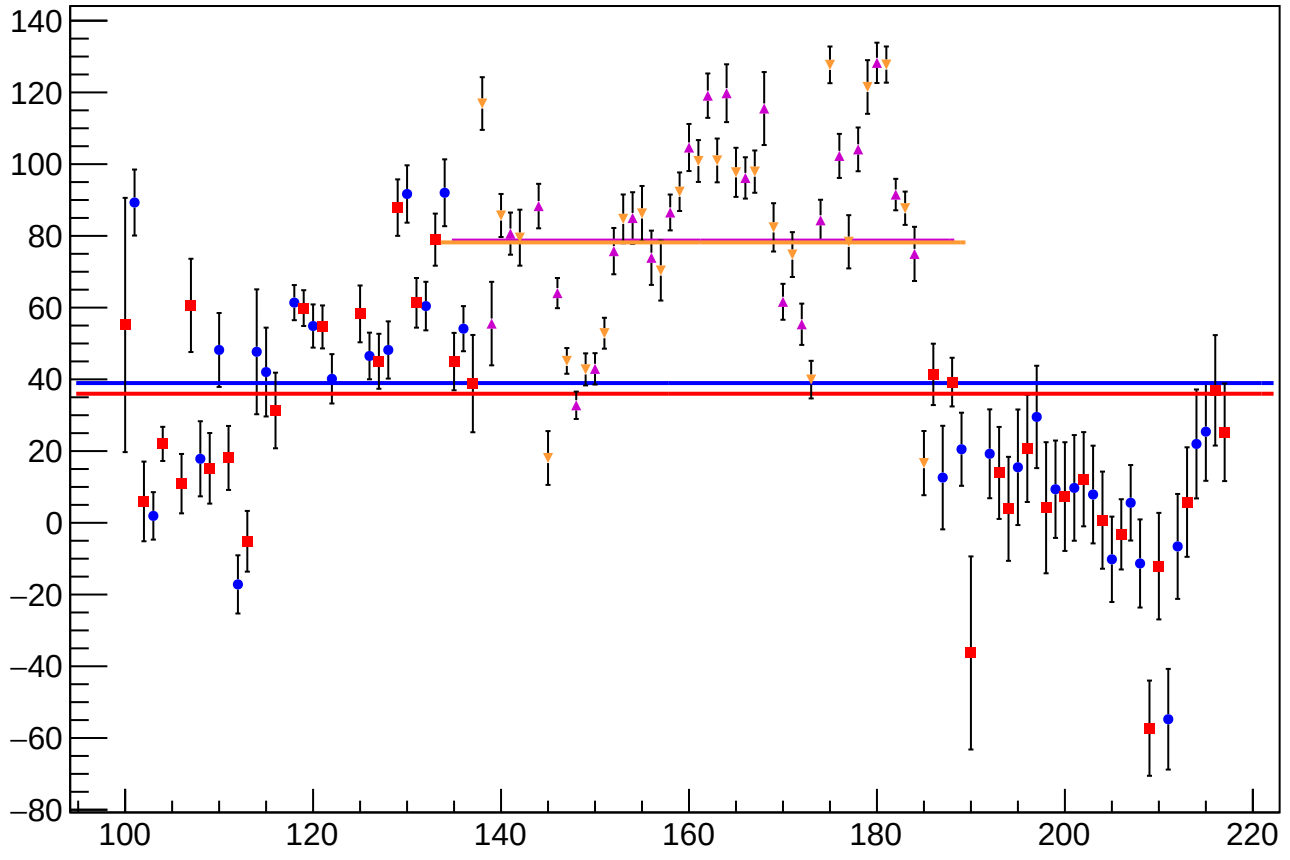
Right Out: 337.632+/-1.156 χ^2/NDF: 12164.6/33

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.717+/-0.939 χ^2/NDF: 11550.2/54

All: 319.435+/-0.645 χ^2/NDF: 26990.5/111

- sign 323.645+/-0.887 χ^2/NDF: 15392.6/56



Right In: 38.962+/-1.645 χ^2/NDF: 362.7/30

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

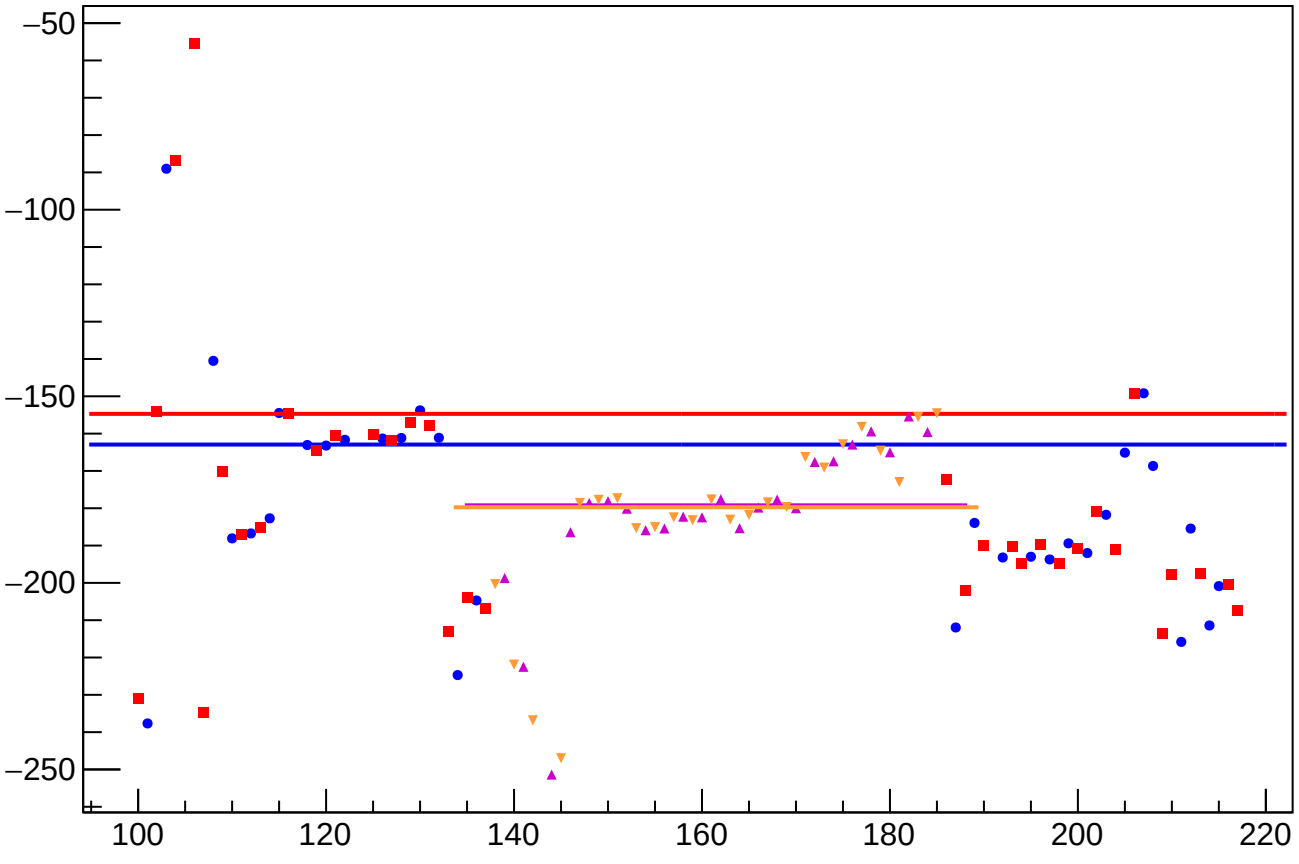
Right Out: 35.990+/-1.576 χ^2/NDF: 310.1/33

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

\+ sign 64.791+/-0.961 χ^2/NDF: 1400.3/54

All: 63.940+/-0.676 χ^2/NDF: 2666.6/111

\- sign 63.104+/-0.952 χ^2/NDF: 1264.8/56



Right In: -162.932+/-0.080 χ^2/NDF: 319243.3/30

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

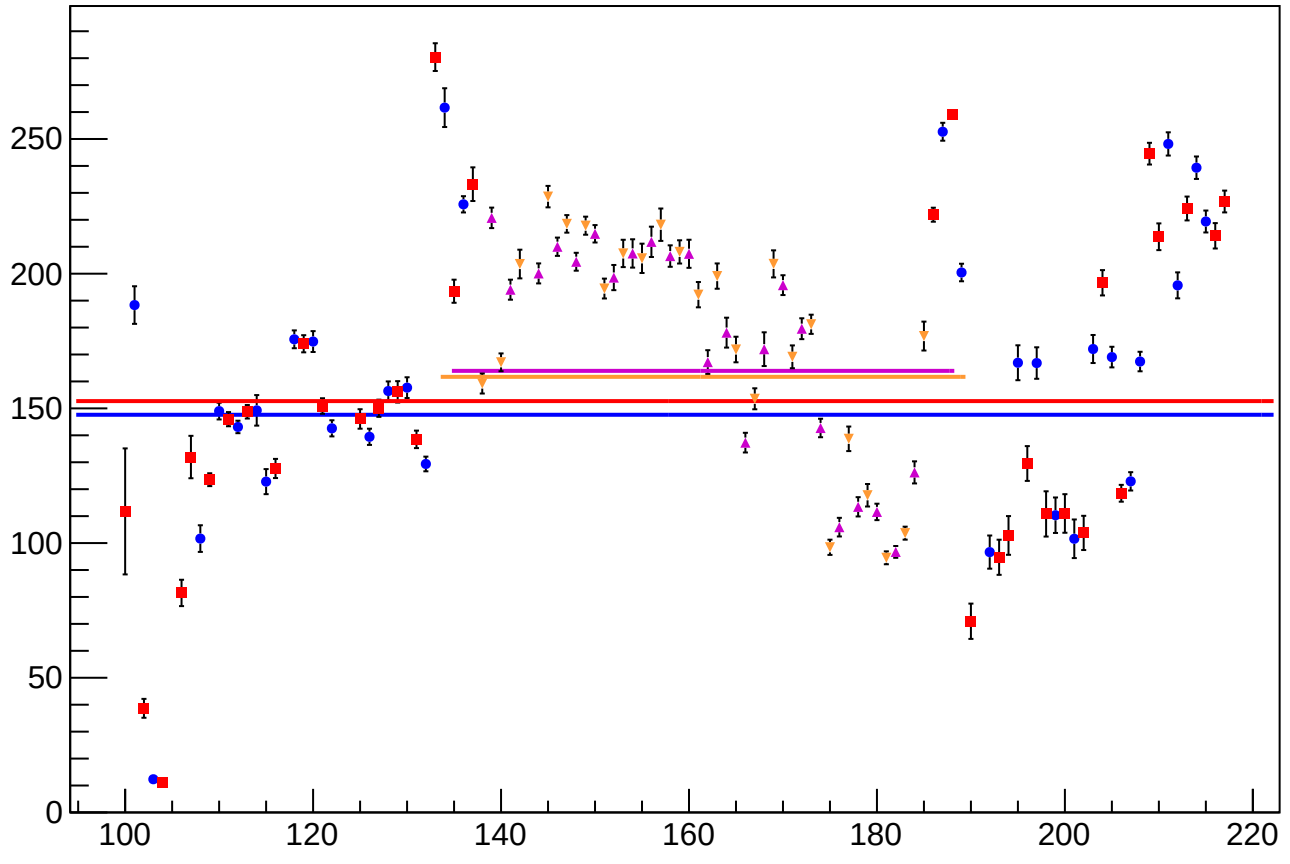
Right Out: -154.701+/-0.077 χ^2/NDF: 442756.9/33

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.309+/-0.045 χ^2/NDF: 481607.0/54

All: -172.620+/-0.032 χ^2/NDF: 1108495.5/11

- sign -170.992+/-0.044 χ^2/NDF: 624153.1/56



Right In: 147.628+/-0.658 χ^2/NDF: 9801.1/30

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

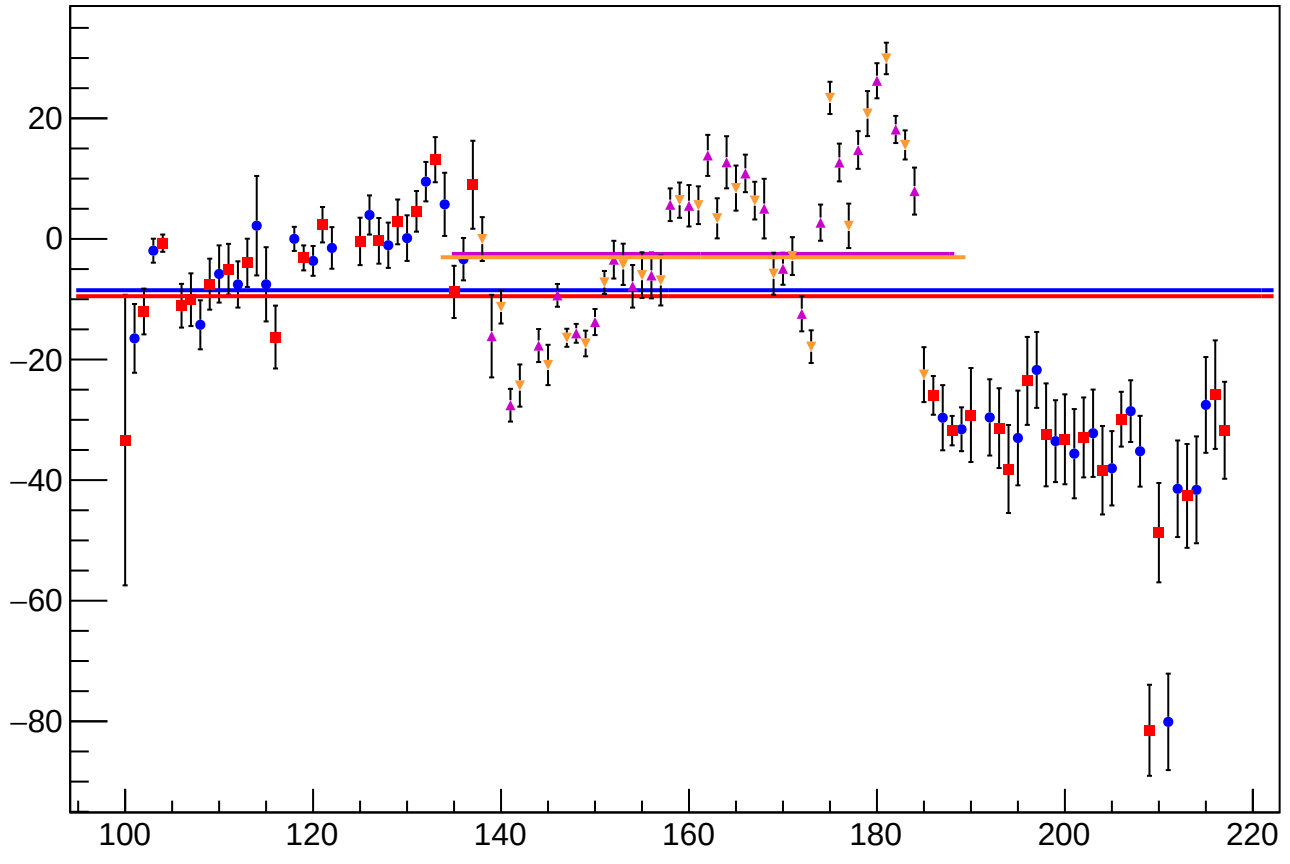
Right Out: 152.702+/-0.609 χ^2/NDF: 14873.6/33

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 153.514+/-0.502 χ^2/NDF: 13579.9/54

All: 155.314+/-0.347 χ^2/NDF: 31942.4/111

- sign 156.960+/-0.480 χ^2/NDF: 18337.9/56



Right In: -8.507+/-0.739 χ^2/NDF: 401.0/30

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

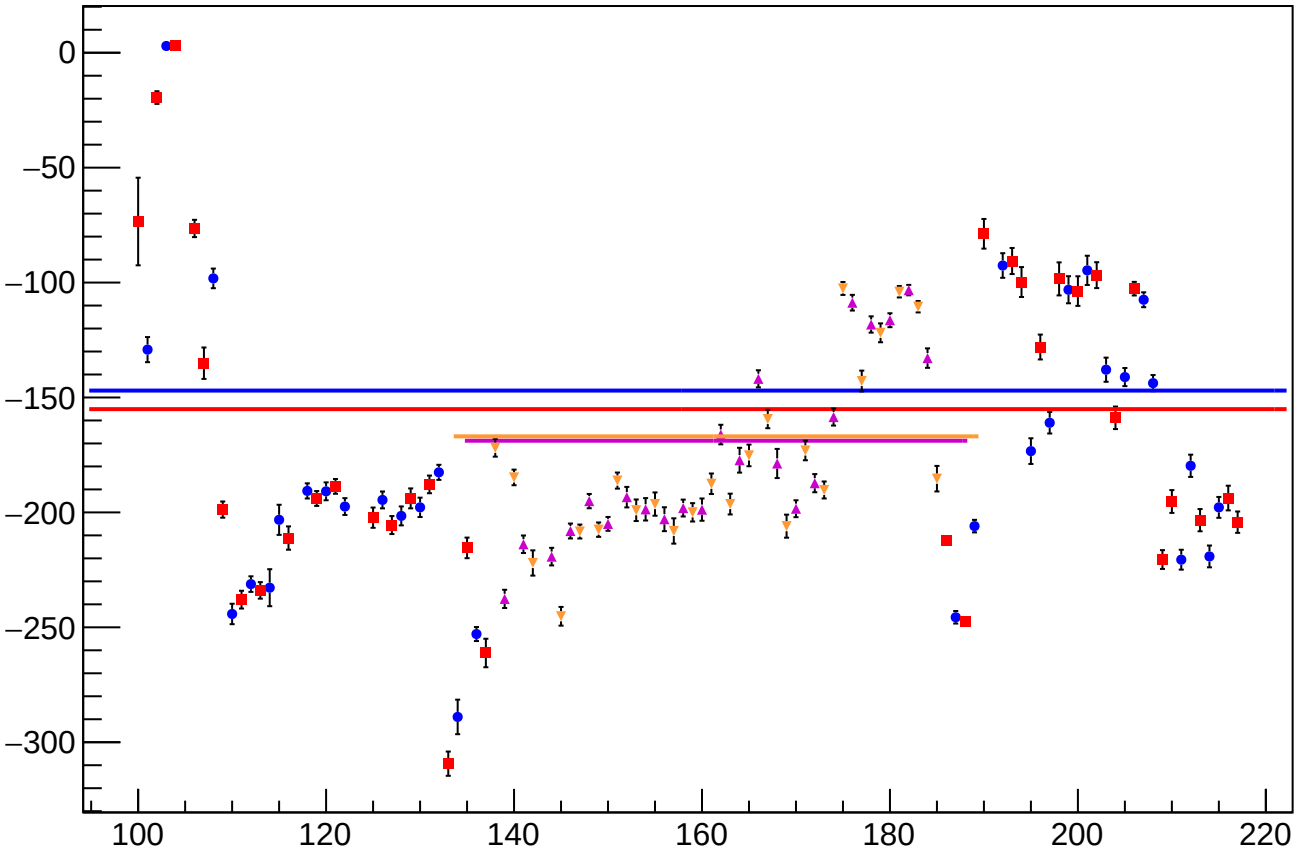
Right Out: -9.497+/-0.671 χ^2/NDF: 503.5/33

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -5.115+/-0.455 χ^2/NDF: 1089.5/54

All: -5.328+/-0.317 χ^2/NDF: 2218.1/111

- sign -5.529+/-0.442 χ^2/NDF: 1128.1/56



Right In: -146.994+/-0.660 χ^2/NDF: 17990.8/30

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

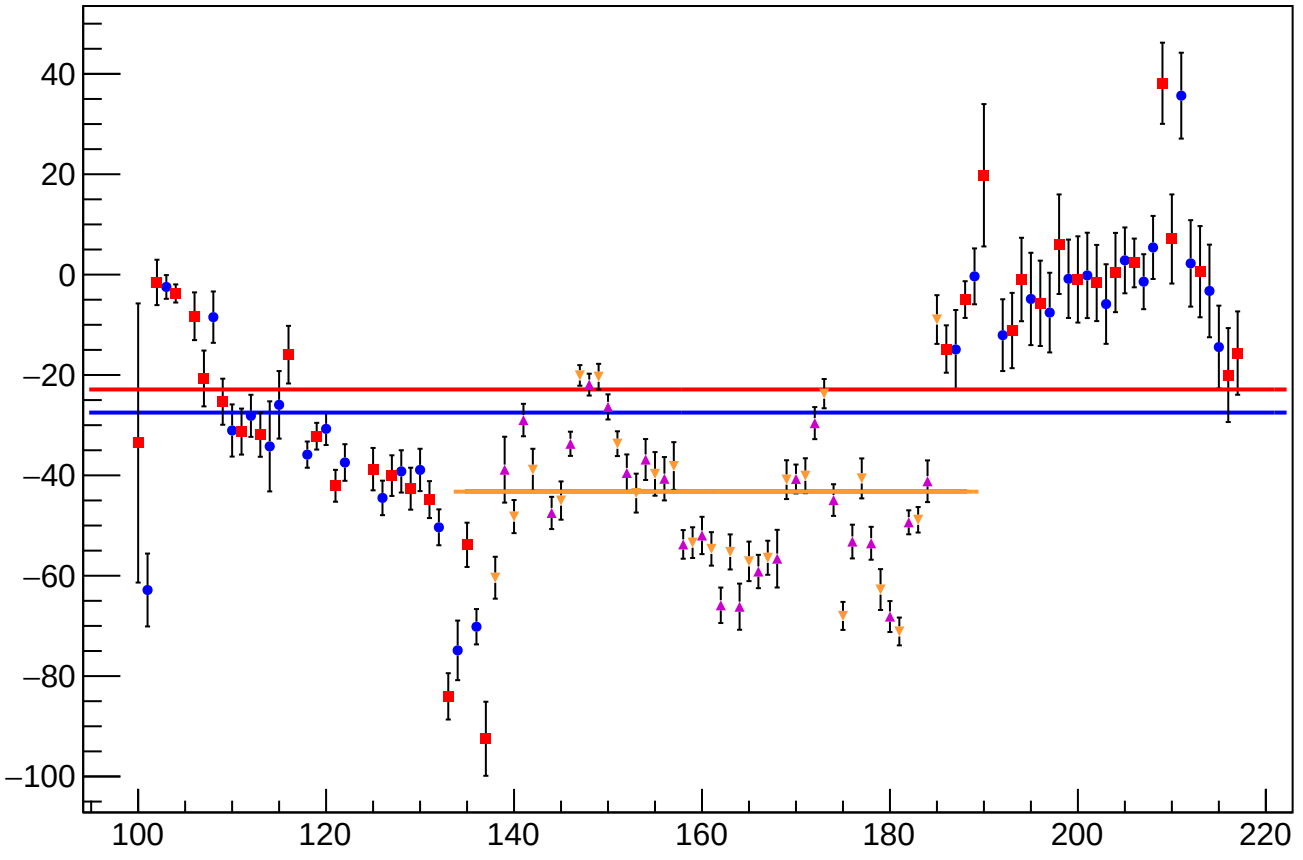
Right Out: -155.072+/-0.596 χ^2/NDF: 24657.9/33

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -155.418+/-0.501 χ^2/NDF: 21472.3/54

All: -157.954+/-0.344 χ^2/NDF: 49436.1/111

- sign -160.201+/-0.472 χ^2/NDF: 27915.6/56



Right In: -27.491+/-0.862 χ^2/NDF: 680.8/30

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

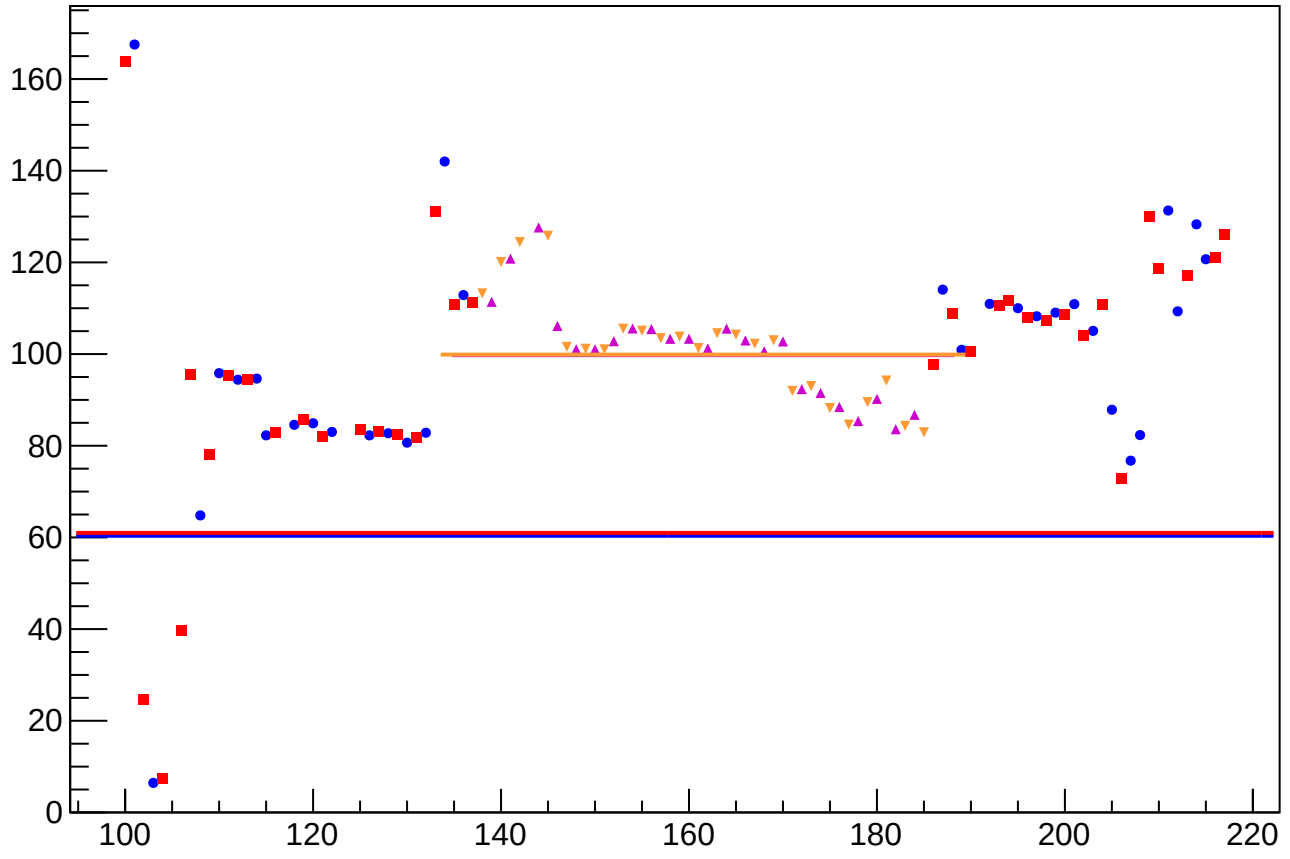
Right Out: -22.886+/-0.803 χ^2/NDF: 789.9/33

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -37.384+/-0.526 χ^2/NDF: 1500.6/54

All: -36.095+/-0.368 χ^2/NDF: 3085.9/111

- sign -34.863+/-0.514 χ^2/NDF: 1573.5/56



Right In: 60.362+/-0.038 χ^2/NDF: 1588741.3/30

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

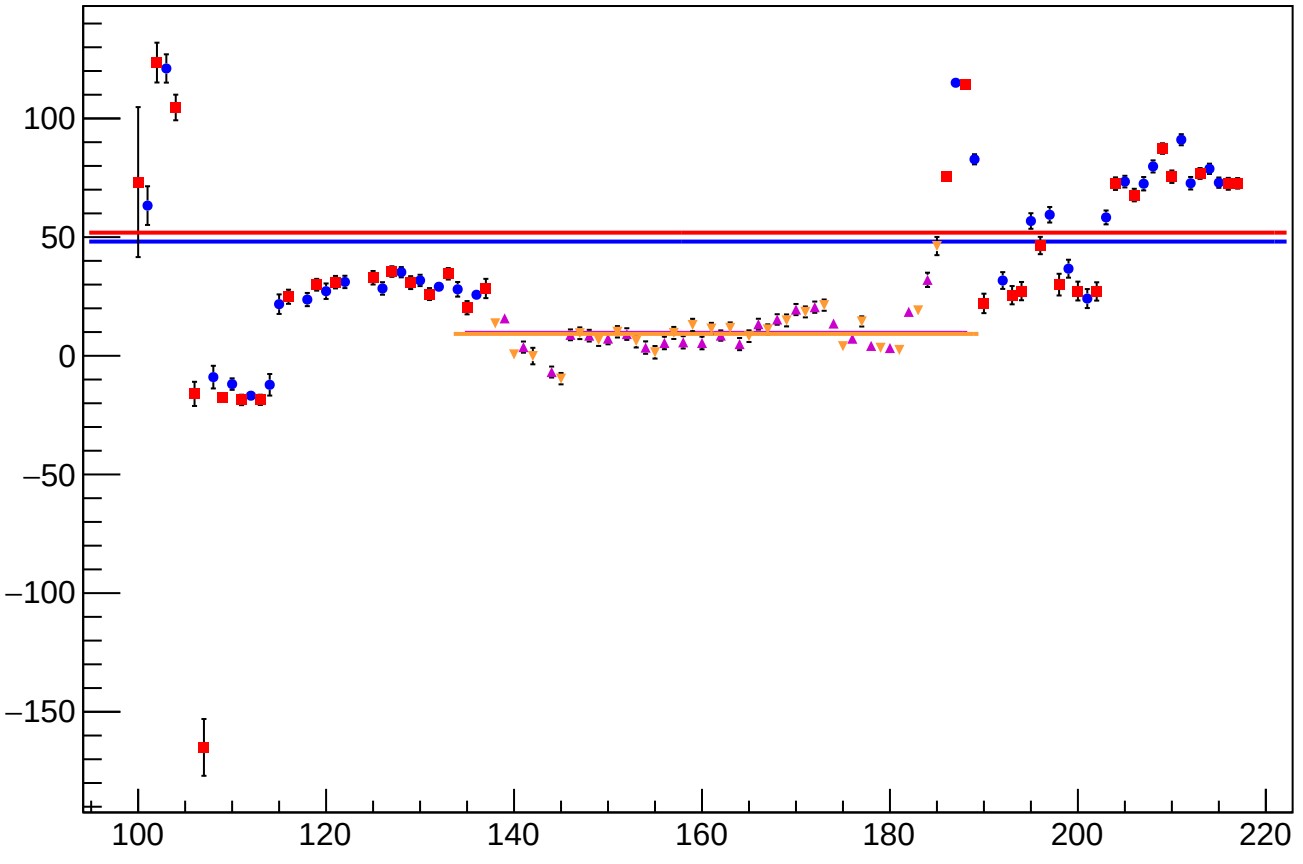
Right Out: 60.986+/-0.038 χ^2/NDF: 1392023.6/33

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.344+/-0.024 χ^2/NDF: 2360947.6/54

All: 84.420+/-0.017 χ^2/NDF: 4501116.8/111

- sign 84.495+/-0.024 χ^2/NDF: 2140149.2/56



Right In: 48.125+/-0.482 χ^2/NDF: 5296.9/30

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

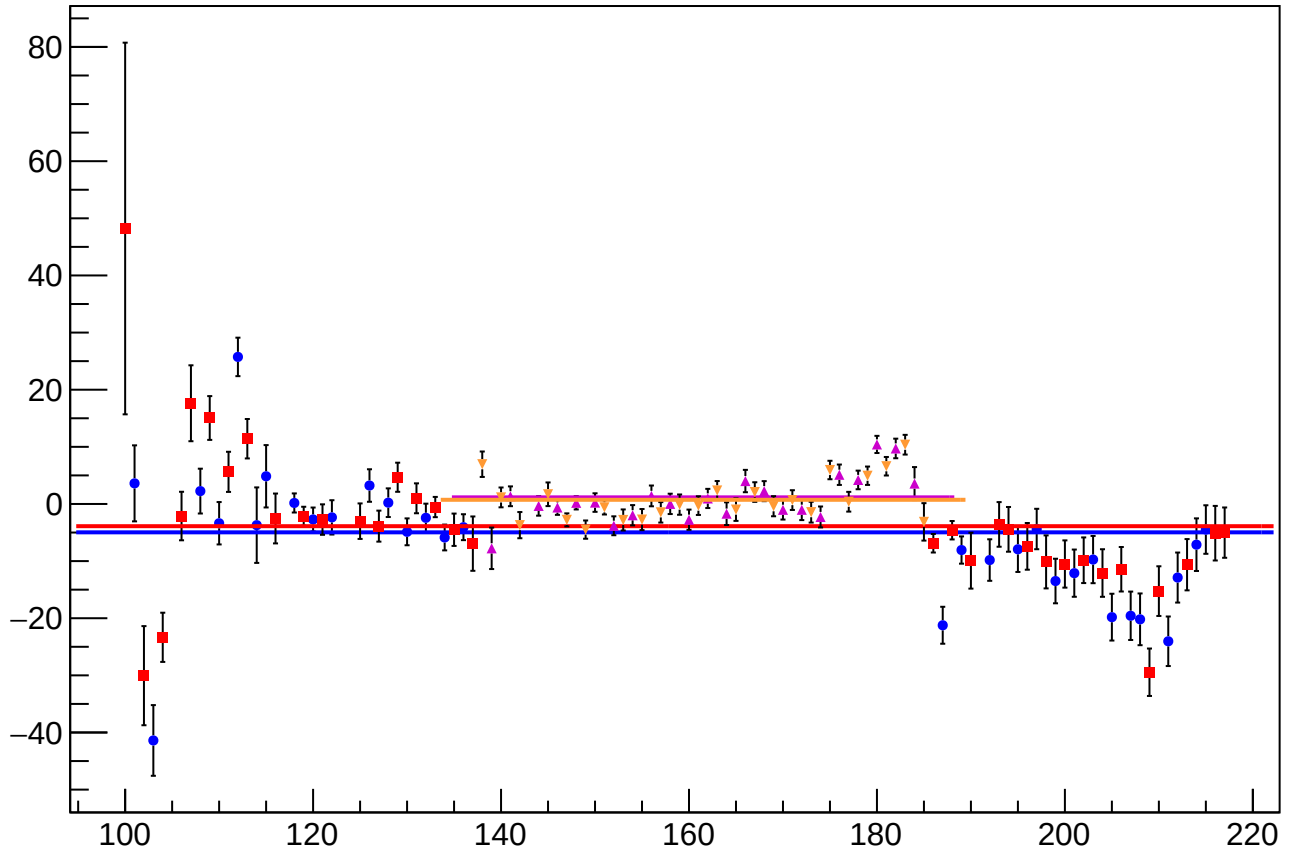
Right Out: 51.889+/-0.443 χ^2/NDF: 8741.4/33

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 27.617+/-0.331 χ^2/NDF: 9057.8/54

All: 29.723+/-0.230 χ^2/NDF: 22469.5/111

\- sign 31.684+/-0.320 χ^2/NDF: 13333.8/56



Right In: -4.967+/-0.569 χ^2/NDF: 249.3/30

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

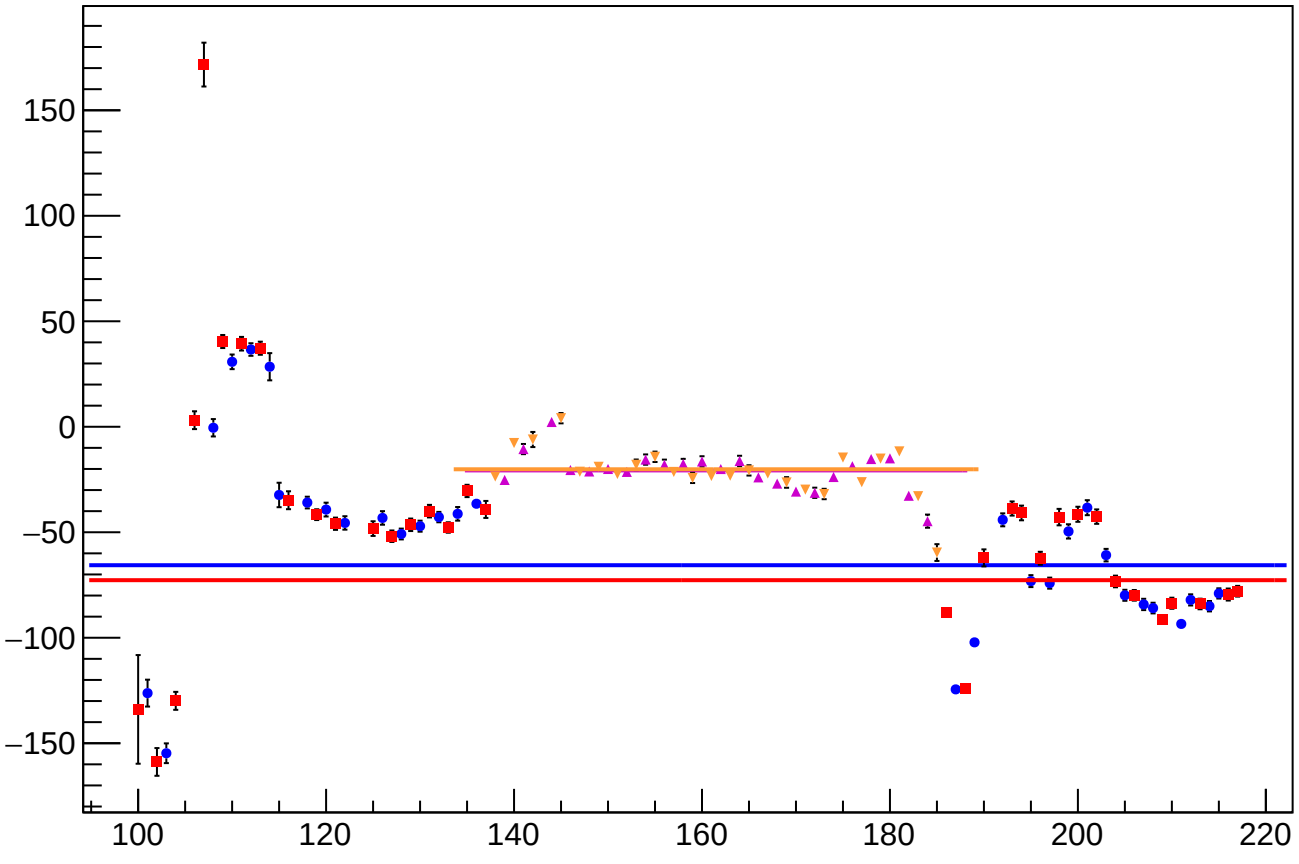
Right Out: -3.889+/-0.534 χ^2/NDF: 181.7/33

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.831+/-0.298 χ^2/NDF: 431.8/54

All: -0.618+/-0.210 χ^2/NDF: 786.7/111

- sign -0.406+/-0.297 χ^2/NDF: 353.8/56



Right In: -65.620+/-0.496 χ^2/NDF: 5903.4/30

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -72.716+/-0.437 χ^2/NDF: 9792.2/33

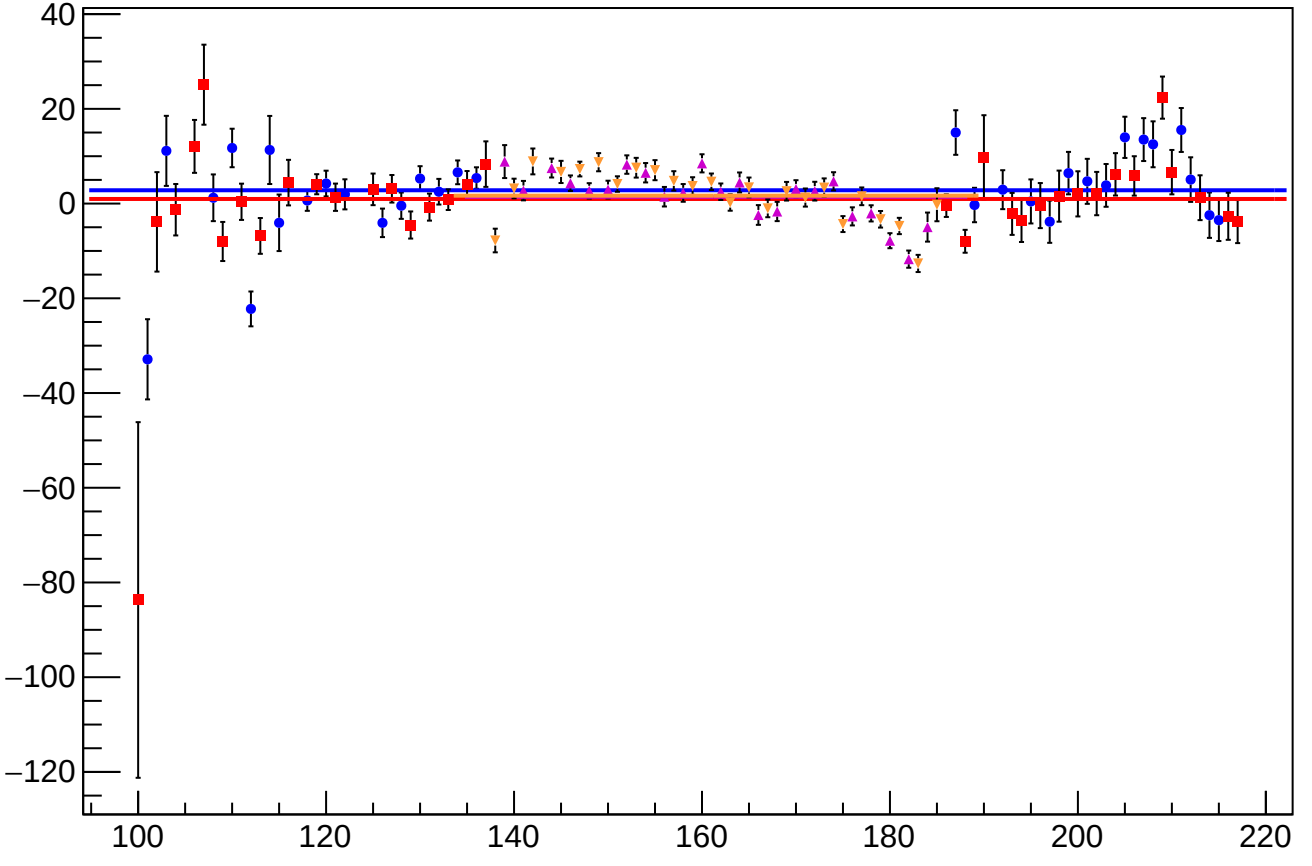
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -40.809+/-0.334 χ^2/NDF: 10912.5/54

All: -44.553+/-0.230 χ^2/NDF: 28015.3/111

\- sign -47.900+/-0.316 χ^2/NDF: 16865.1/56

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.811+/-0.656 χ^2/NDF: 123.4/30

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

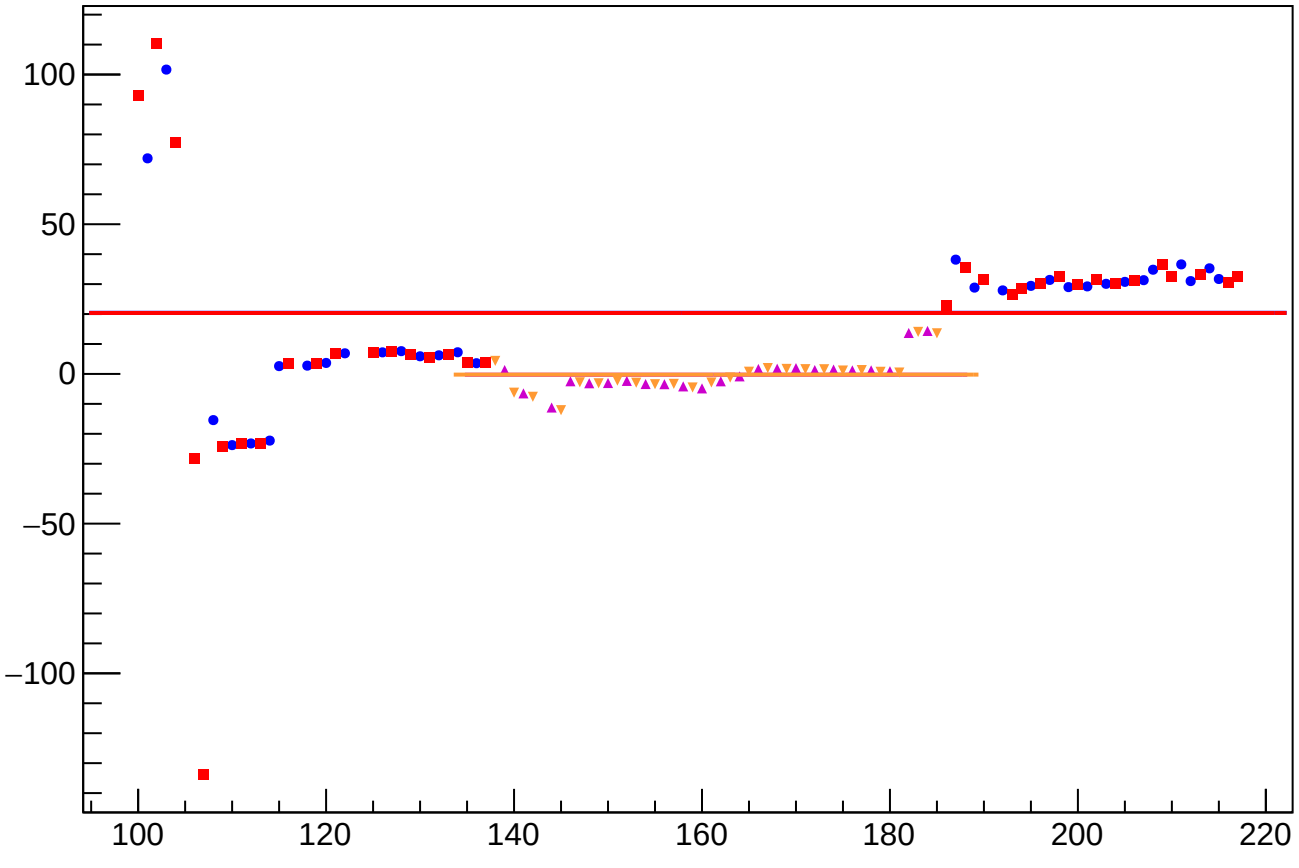
Right Out: 0.972+/-0.636 χ^2/NDF: 83.5/33

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.974+/-0.338 χ^2/NDF: 303.6/54

All: 1.638+/-0.240 χ^2/NDF: 552.2/111

\- sign 1.298+/-0.340 χ^2/NDF: 246.6/56



Right In: 20.421+/-0.033 χ^2/NDF: 434890.3/30

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 20.357+/-0.033 χ^2/NDF: 605901.6/33

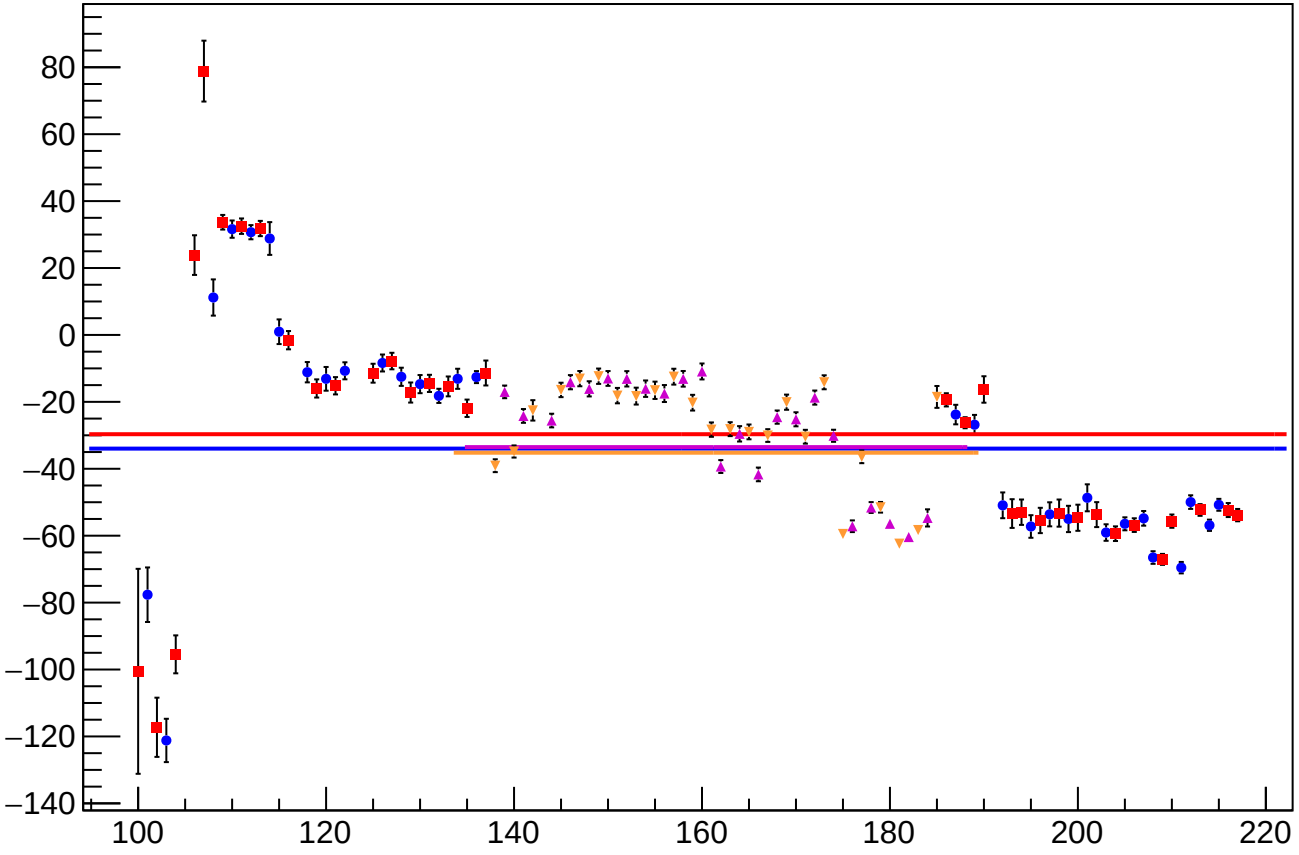
Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.439+/-0.016 χ^2/NDF: 825754.2/54

All: 4.450+/-0.011 χ^2/NDF: 1814620.6/111

- sign 4.462+/-0.016 χ^2/NDF: 988865.3/56

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -33.974+/-0.459 χ^2/NDF: 4297.6/30

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

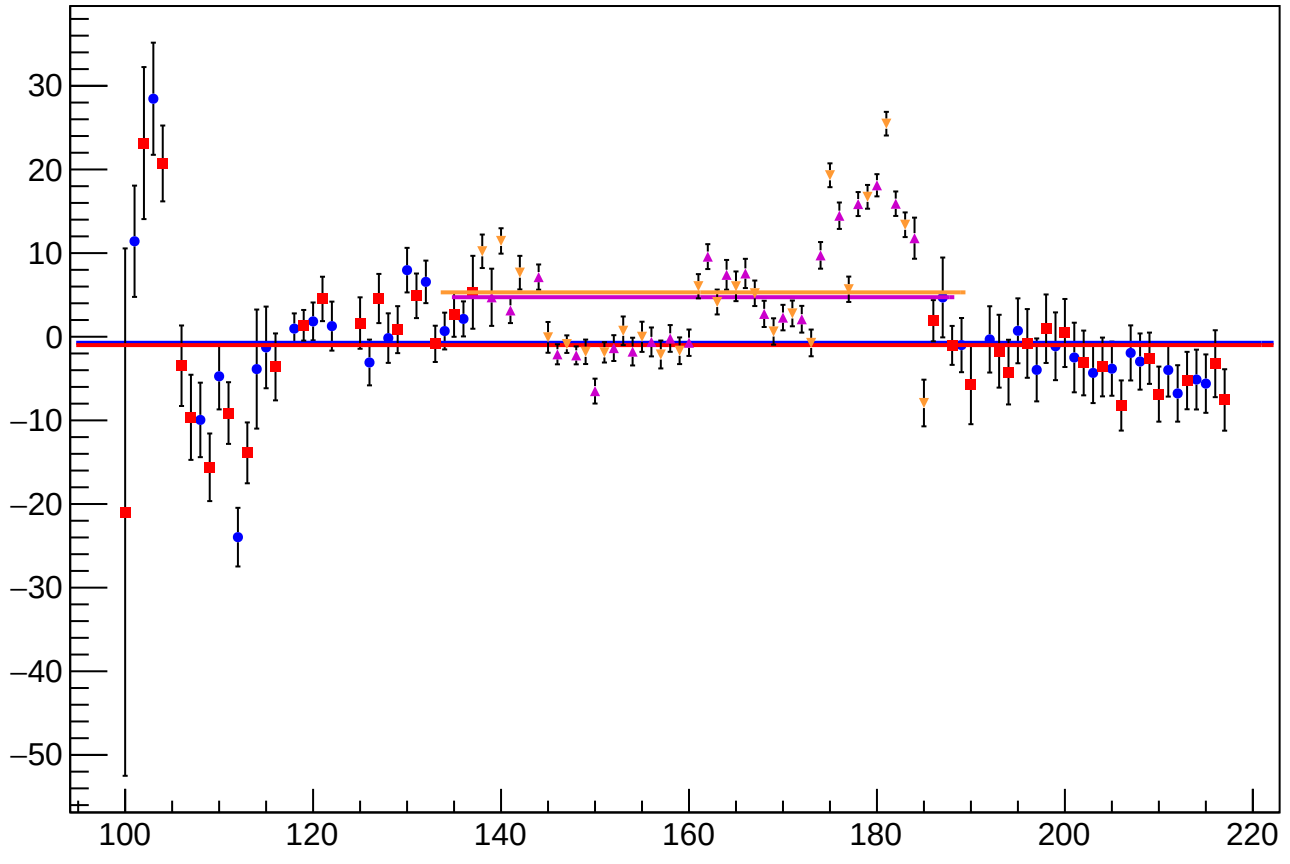
Right Out: -29.670+/-0.448 χ^2/NDF: 4926.5/33

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -34.660+/-0.305 χ^2/NDF: 6152.3/54

All: -33.200+/-0.215 χ^2/NDF: 12970.6/111

- sign -31.753+/-0.304 χ^2/NDF: 6772.7/56



Right In: -0.723+/-0.572 χ^2/NDF: 108.8/30

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

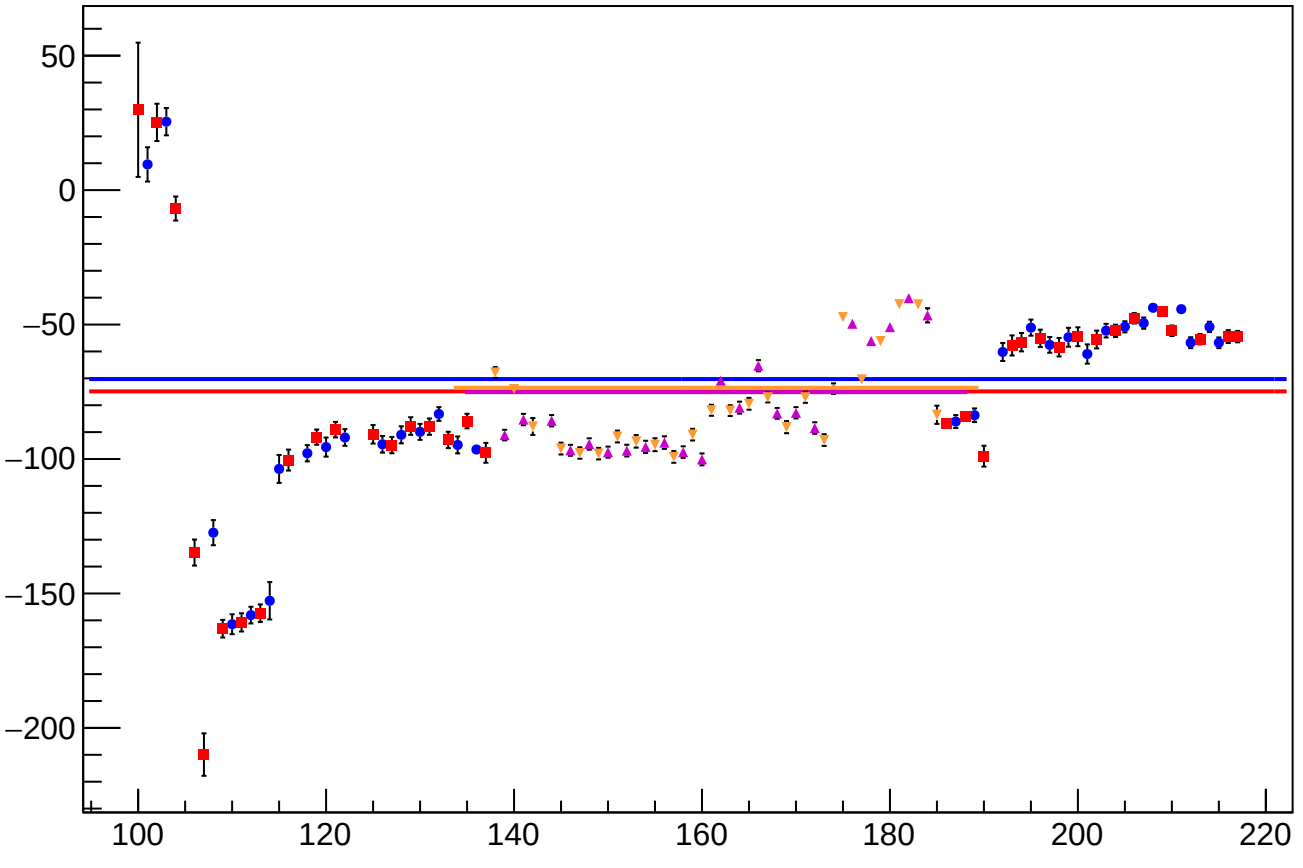
Right Out: -0.999+/-0.566 χ^2/NDF: 102.7/33

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 3.906+/-0.276 χ^2/NDF: 818.3/54

All: 3.622+/-0.196 χ^2/NDF: 1496.6/111

- sign 3.331+/-0.279 χ^2/NDF: 676.1/56



Right In: -70.272+/-0.480 χ^2/NDF: 3908.1/30

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

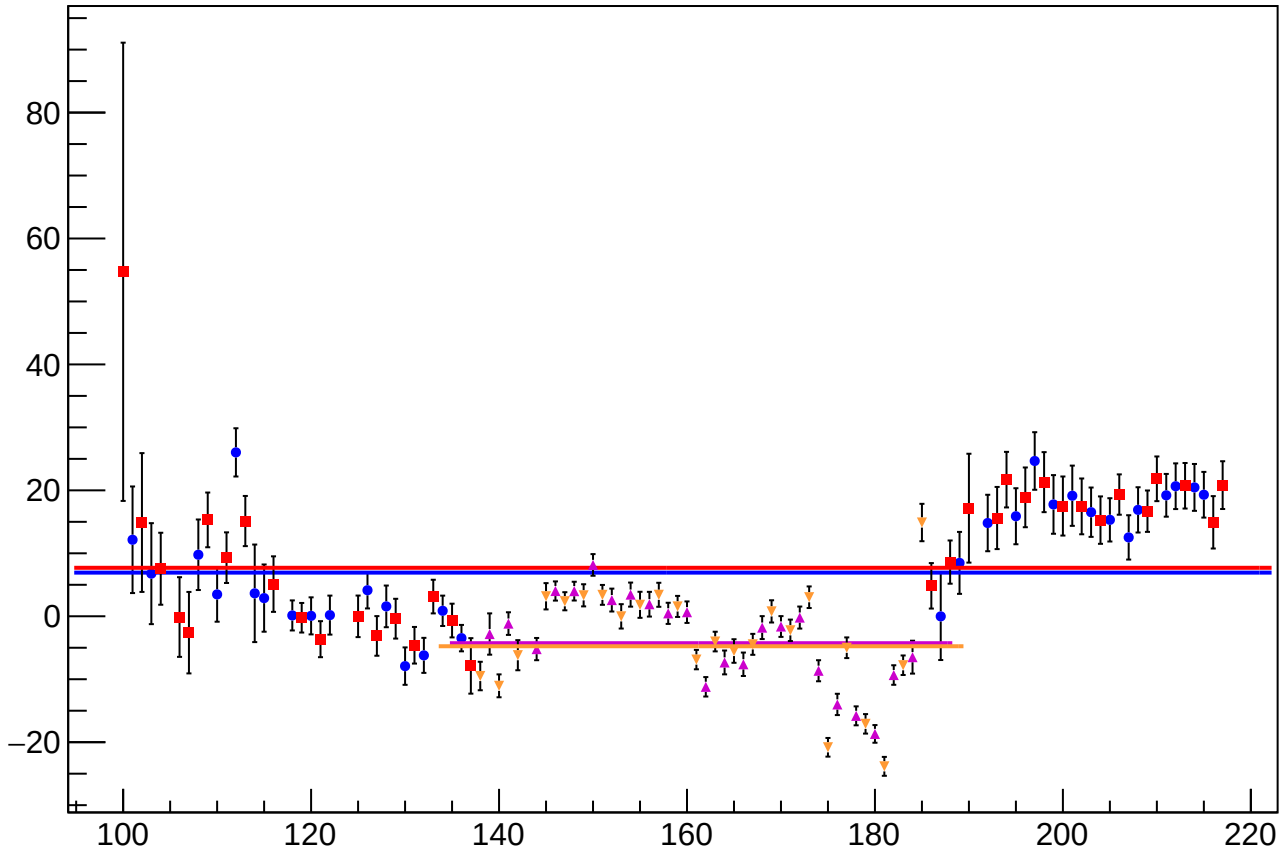
Right Out: -74.852+/-0.461 χ^2/NDF: 4528.5/33

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -72.161+/-0.310 χ^2/NDF: 6326.6/54

All: -73.600+/-0.218 χ^2/NDF: 13259.9/111

\- sign -75.009+/-0.306 χ^2/NDF: 6890.6/56



Right In: 6.934+/-0.645 χ^2/NDF: 236.6/30

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

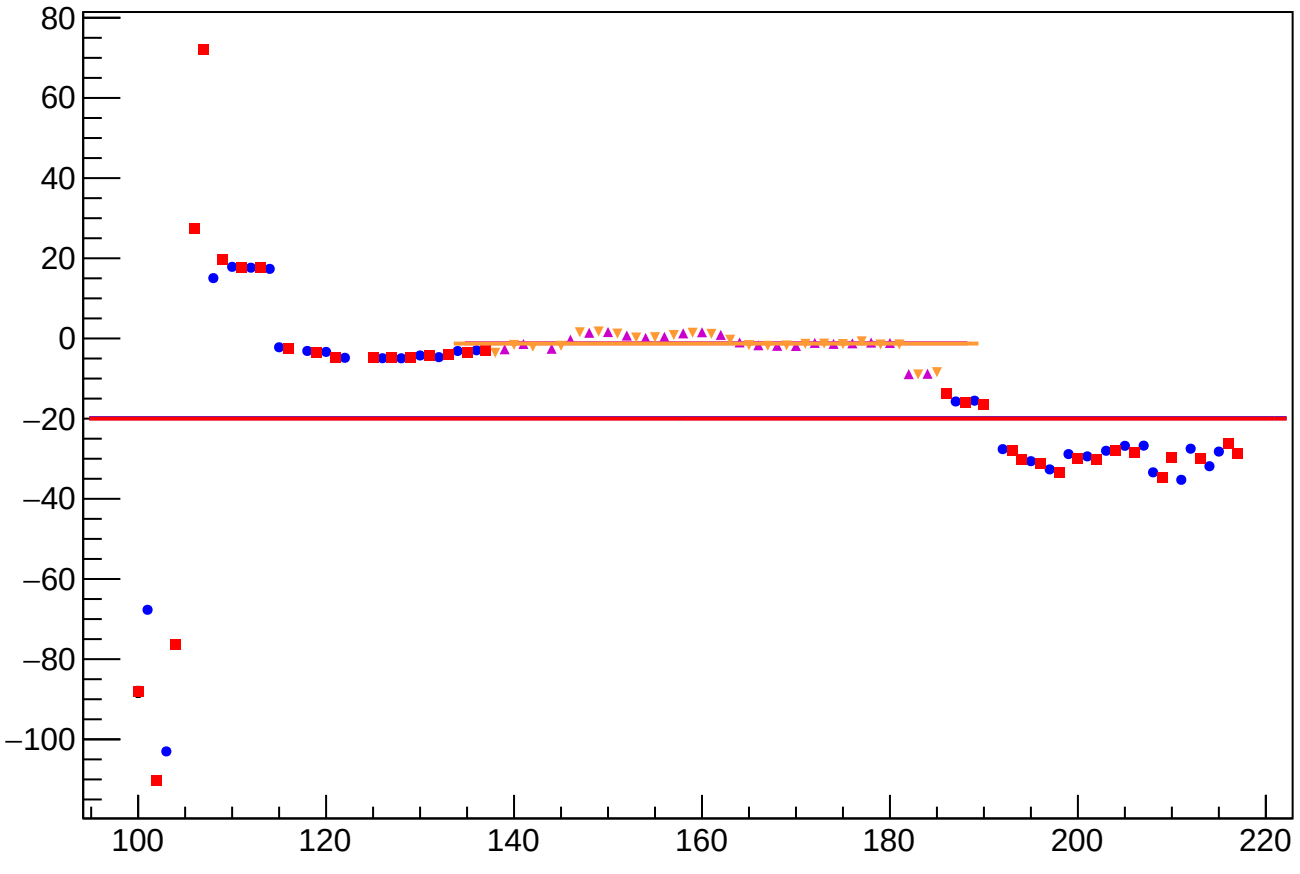
Right Out: 7.699+/-0.651 χ^2/NDF: 213.2/33

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -2.048+/-0.311 χ^2/NDF: 1065.7/54

All: -1.760+/-0.222 χ^2/NDF: 1963.7/111

\- sign -1.462+/-0.316 χ^2/NDF: 896.3/56



Right In: -19.883+/-0.031 χ^2/NDF: 396254.9/30

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

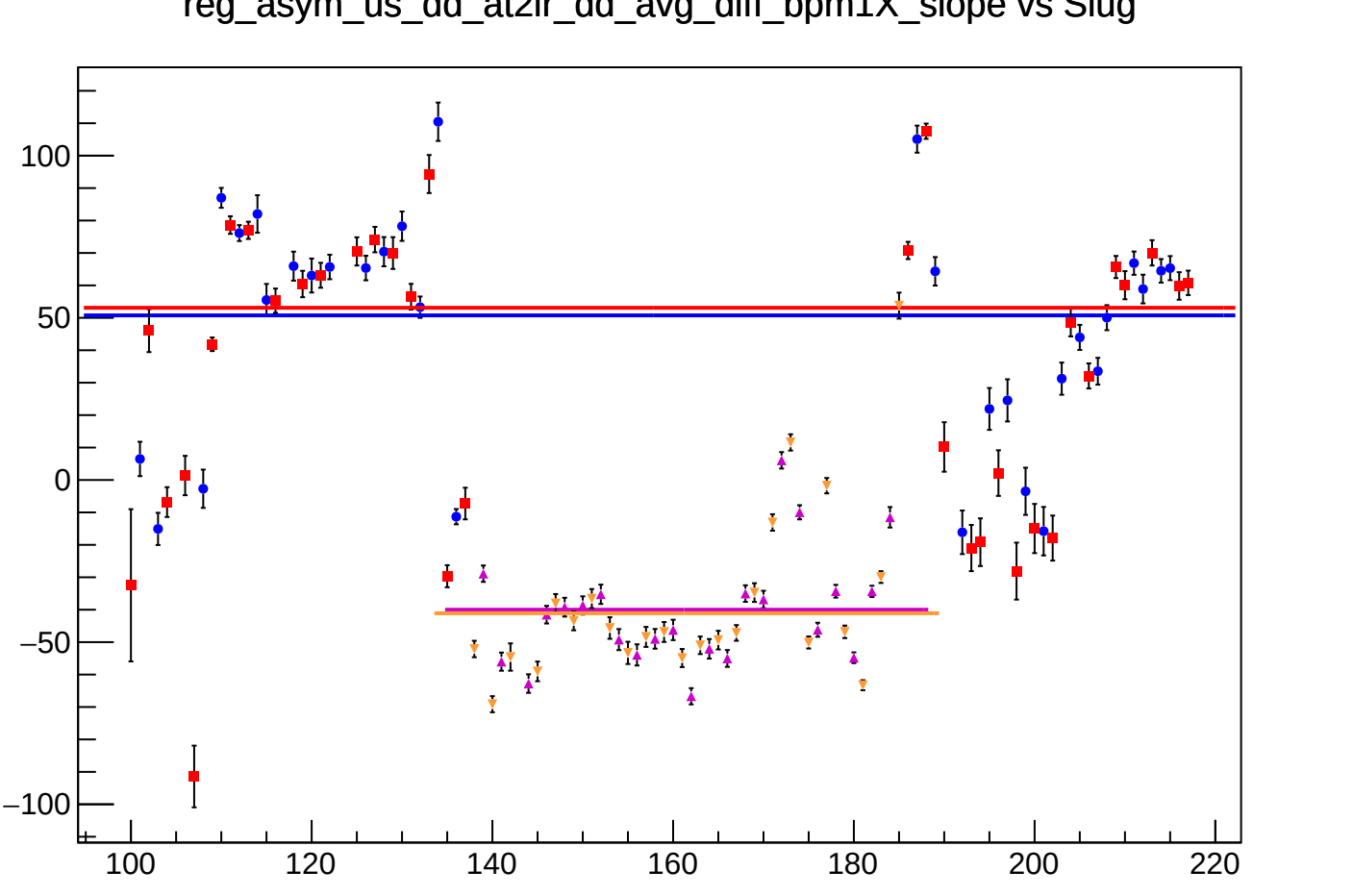
Right Out: -19.988+/-0.032 χ^2/NDF: 483389.0/33

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -5.099+/-0.014 χ^2/NDF: 704803.8/54

All: -5.030+/-0.010 χ^2/NDF: 1492224.6/111

- sign -4.959+/-0.014 χ^2/NDF: 787372.1/56



Right In: 50.757+/-0.745 χ^2/NDF: 2042.1/30

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

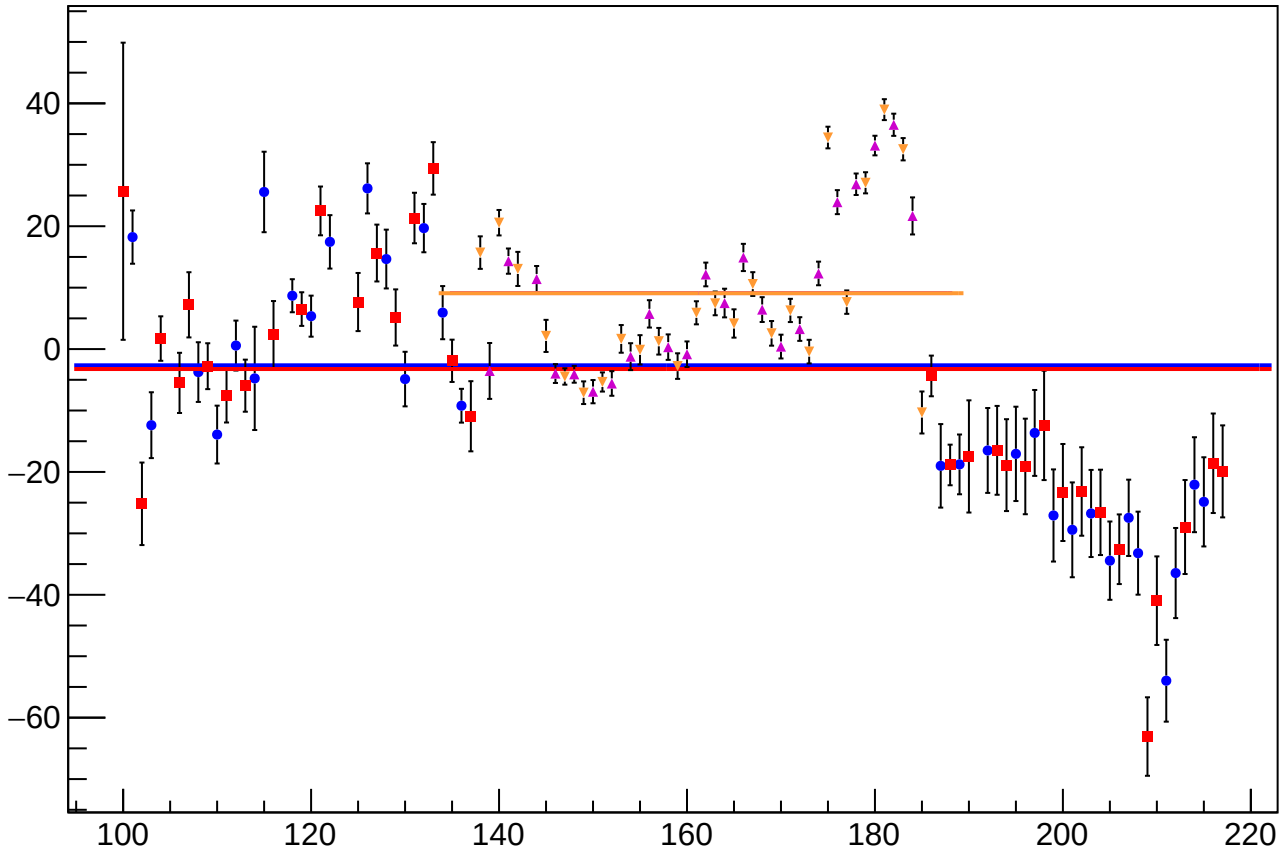
Right Out: 53.096+/-0.691 χ^2/NDF: 2760.0/33

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -11.238+/-0.425 χ^2/NDF: 14237.2/54

All: -8.566+/-0.298 χ^2/NDF: 29626.9/111

\- sign -5.986+/-0.418 χ^2/NDF: 15312.0/56



Right In: -2.641+/-0.882 χ^2/NDF: 420.1/30

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

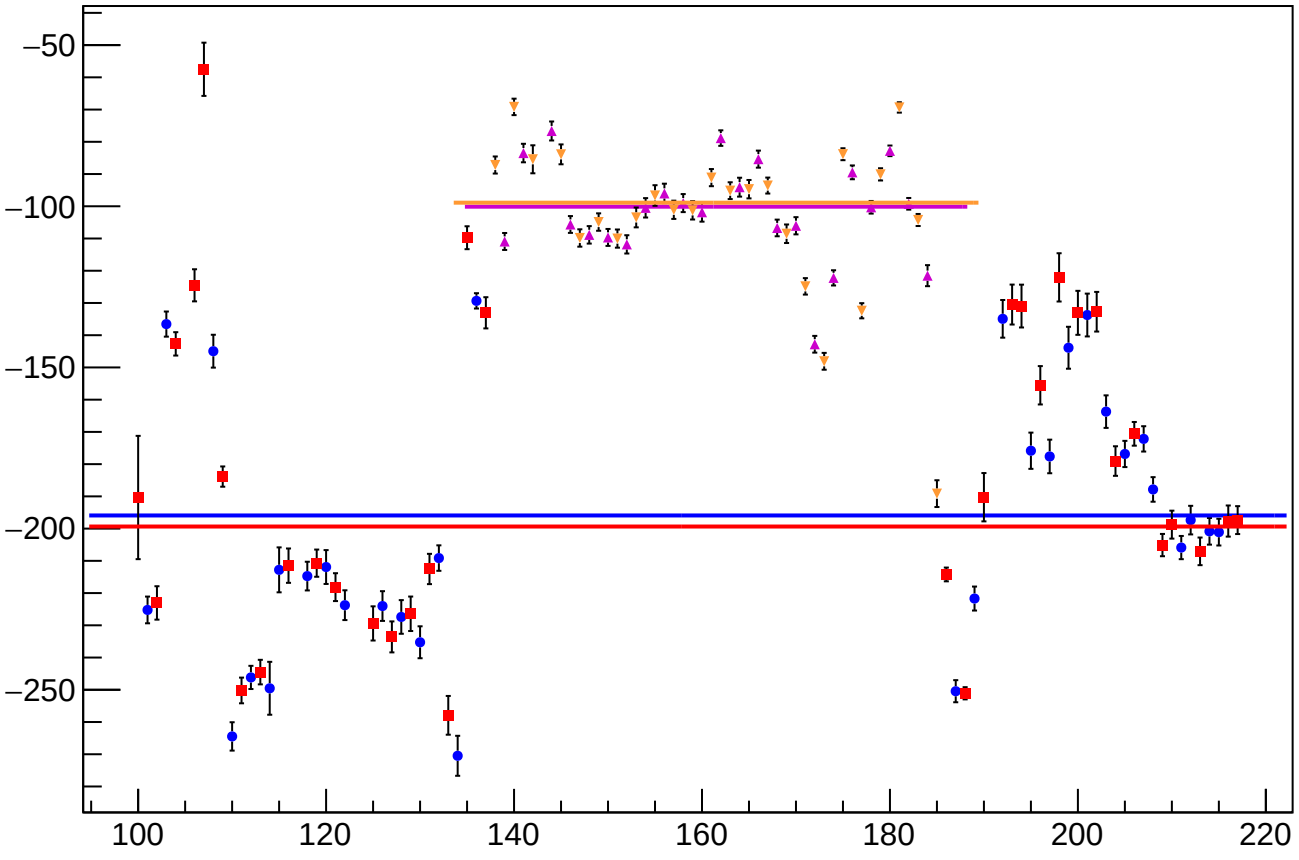
Right Out: -3.246+/-0.846 χ^2/NDF: 421.6/33

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

\+ sign 7.083+/-0.365 χ^2/NDF: 1820.4/54

All: 6.931+/-0.259 χ^2/NDF: 3467.5/111

\- sign 6.777+/-0.368 χ^2/NDF: 1646.7/56



Right In: -195.922+/-0.783 χ^2/NDF: 2709.8/30

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

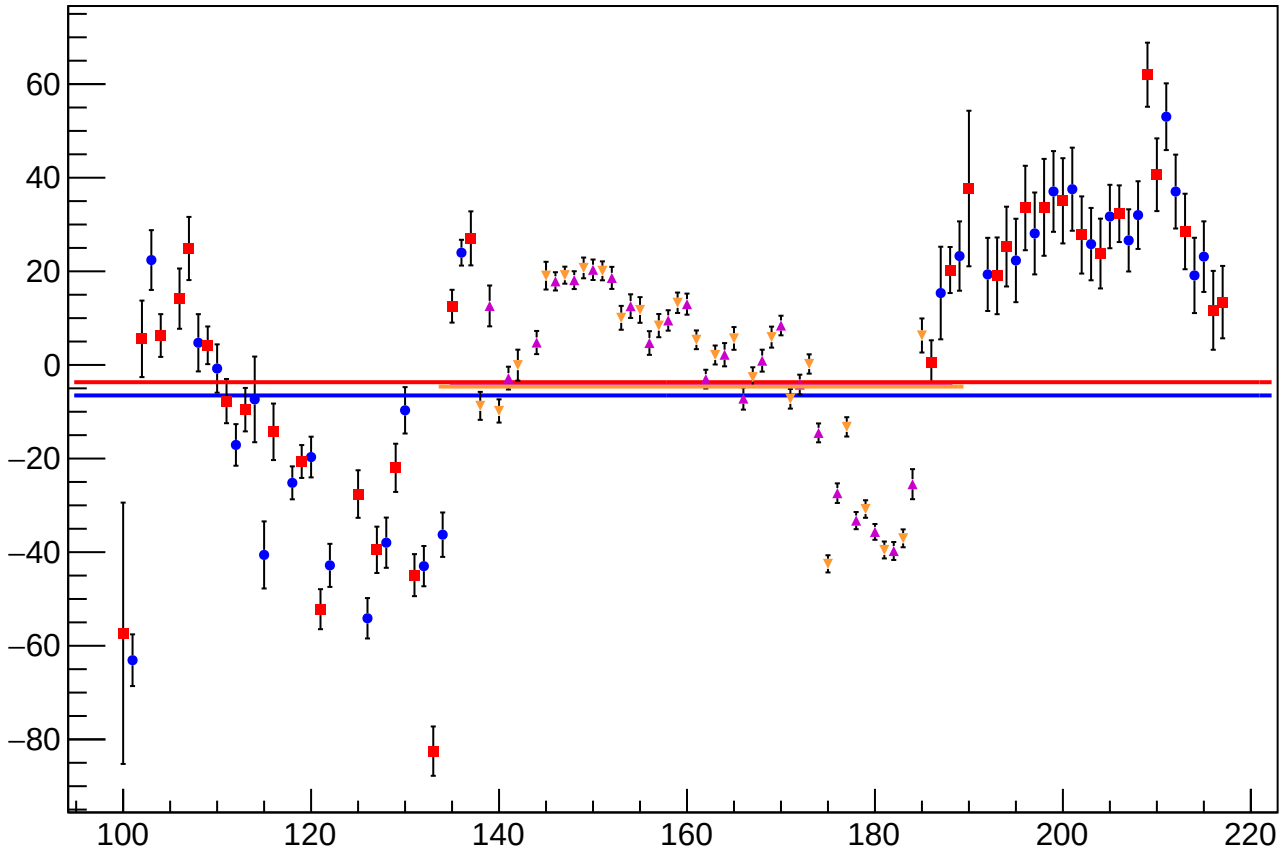
Right Out: -199.354+/-0.721 χ^2/NDF: 3664.2/33

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -128.121+/-0.430 χ^2/NDF: 15267.2/54

All: -131.167+/-0.301 χ^2/NDF: 32317.1/111

- sign -134.102+/-0.422 χ^2/NDF: 16951.1/56



Right In: -6.519+/-1.005 χ^2/NDF: 984.8/30

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

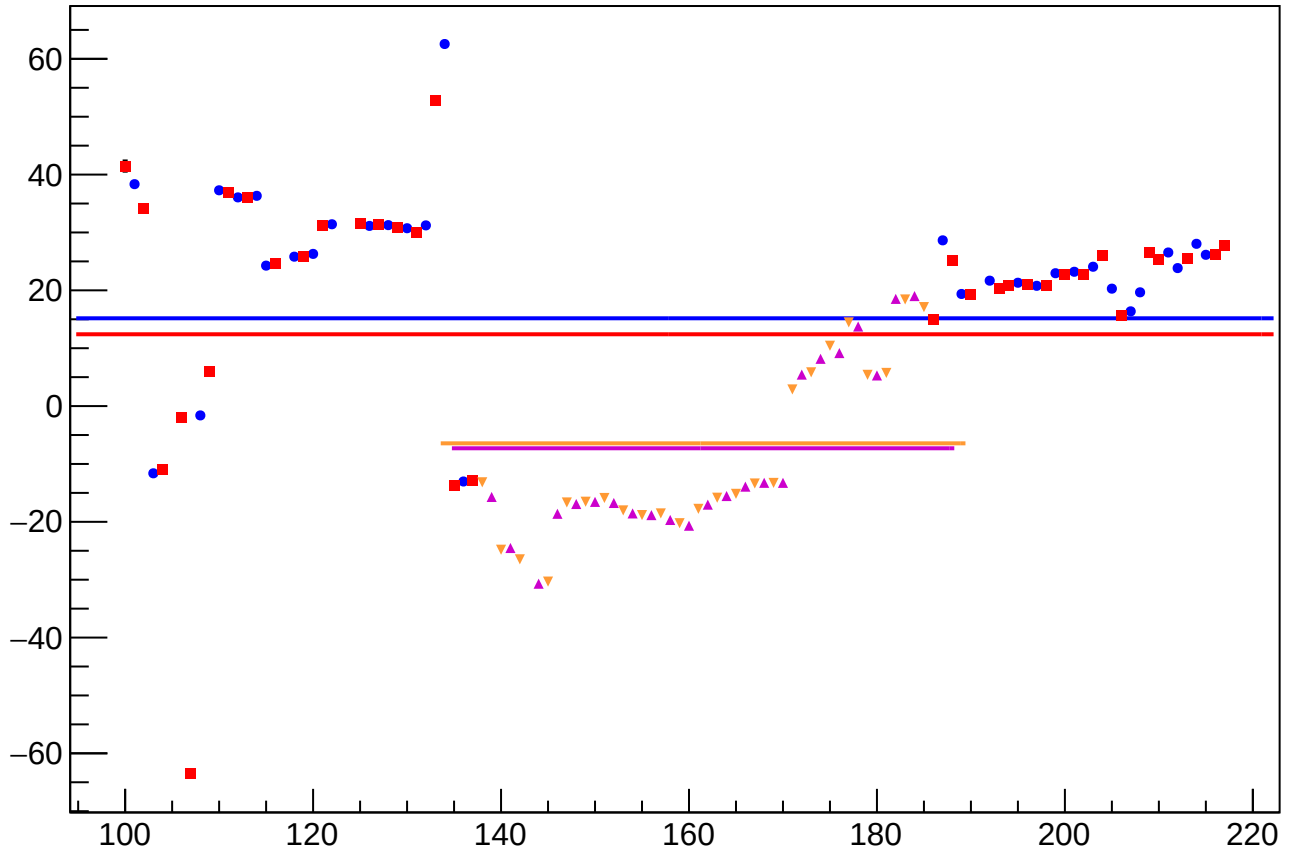
Right Out: -3.688+/-0.983 χ^2/NDF: 951.9/33

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -4.937+/-0.412 χ^2/NDF: 3066.1/54

All: -4.579+/-0.293 χ^2/NDF: 5874.0/111

- sign -4.214+/-0.416 χ^2/NDF: 2806.4/56



Right In: 15.169+/-0.049 χ^2/NDF: 179091.2/30

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

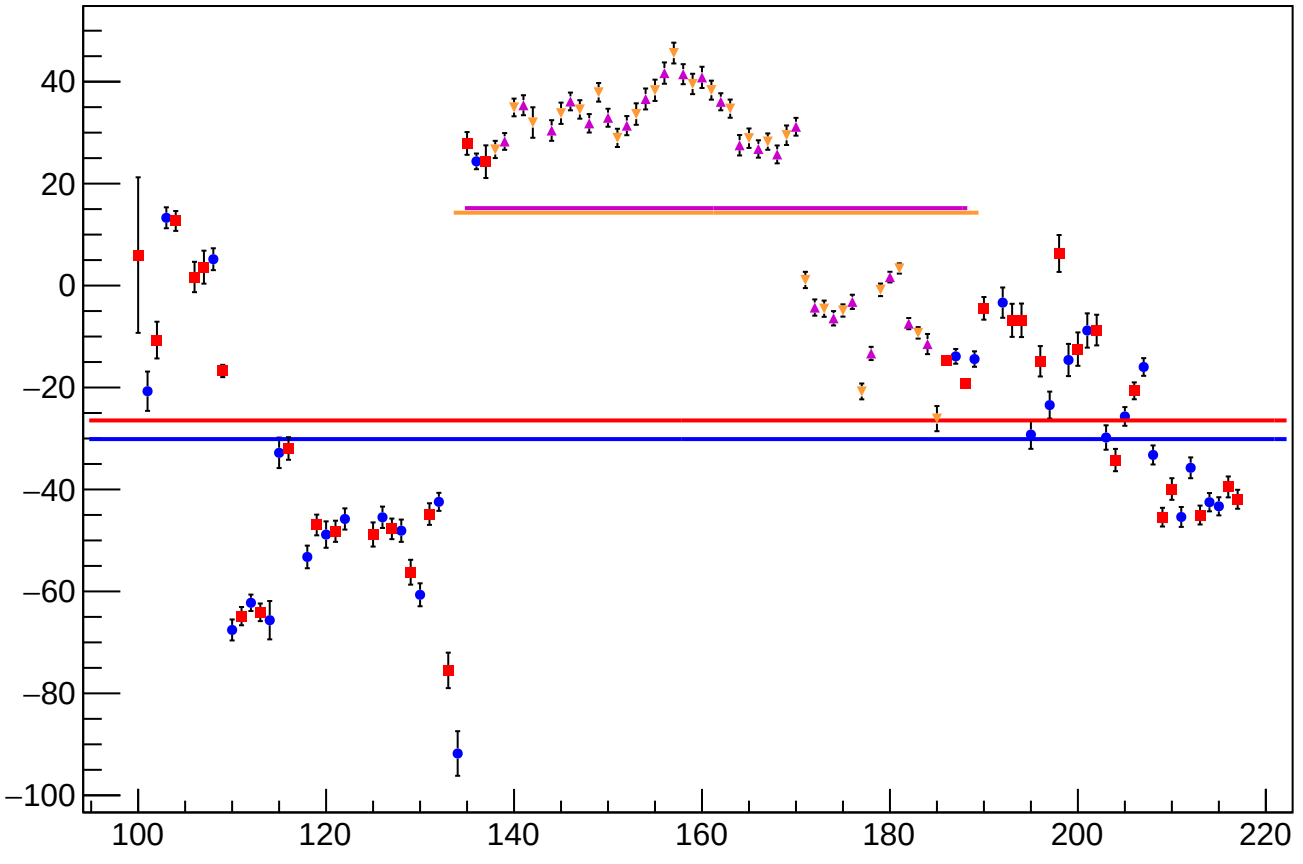
Right Out: 12.408+/-0.049 χ^2/NDF: 184704.7/33

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.296+/-0.019 χ^2/NDF: 842247.7/54

All: -3.829+/-0.013 χ^2/NDF: 1656763.3/111

- sign -4.365+/-0.019 χ^2/NDF: 812881.8/56



Right In: -30.120+/-0.377 χ^2/NDF: 4190.5/30

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

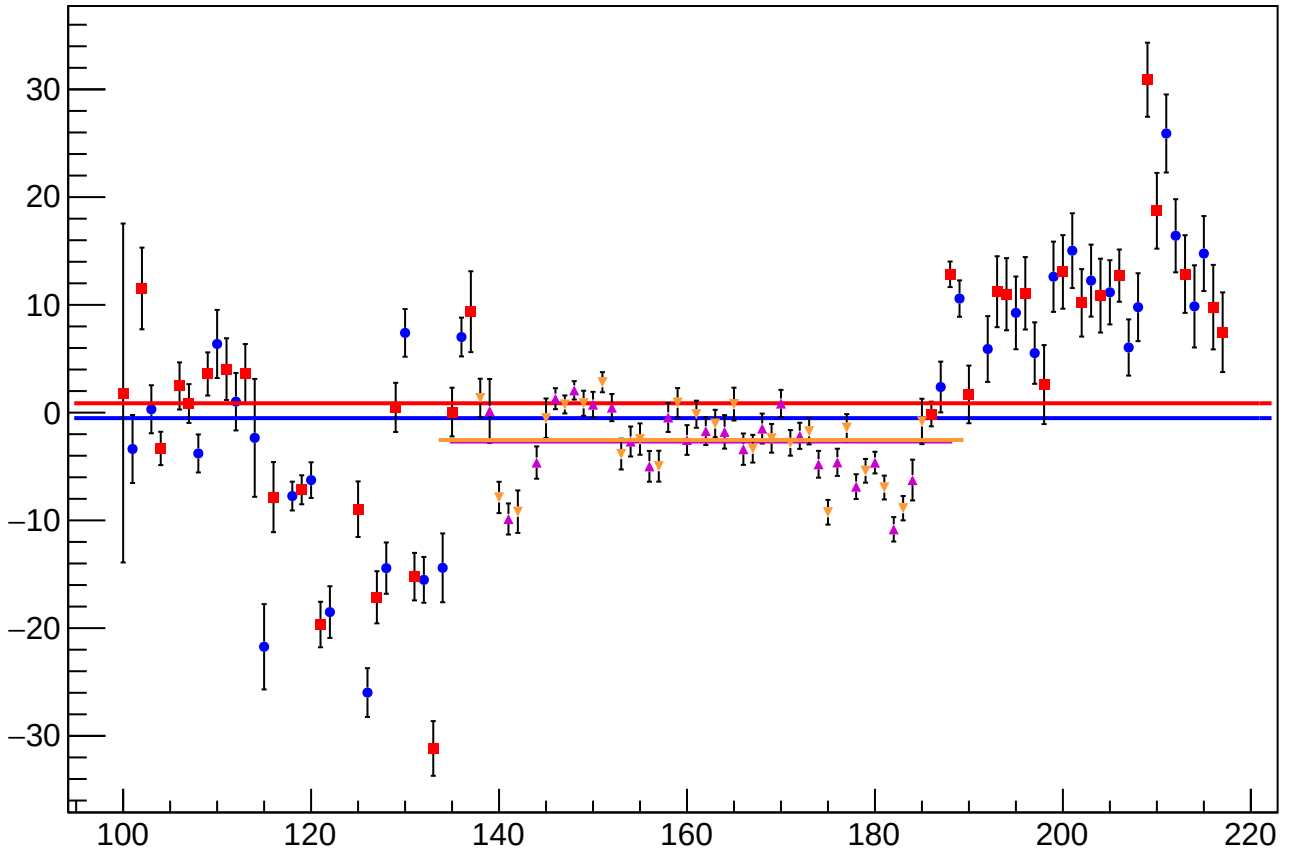
Right Out: -26.460+/-0.333 χ^2/NDF: 4217.8/33

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -5.316+/-0.250 χ^2/NDF: 15668.7/54

All: -5.676+/-0.172 χ^2/NDF: 30960.7/111

- sign -6.001+/-0.238 χ^2/NDF: 15288.0/56



Right In: -0.510+/-0.445 χ^2/NDF: 645.7/30

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.870+/-0.398 χ^2/NDF: 752.2/33

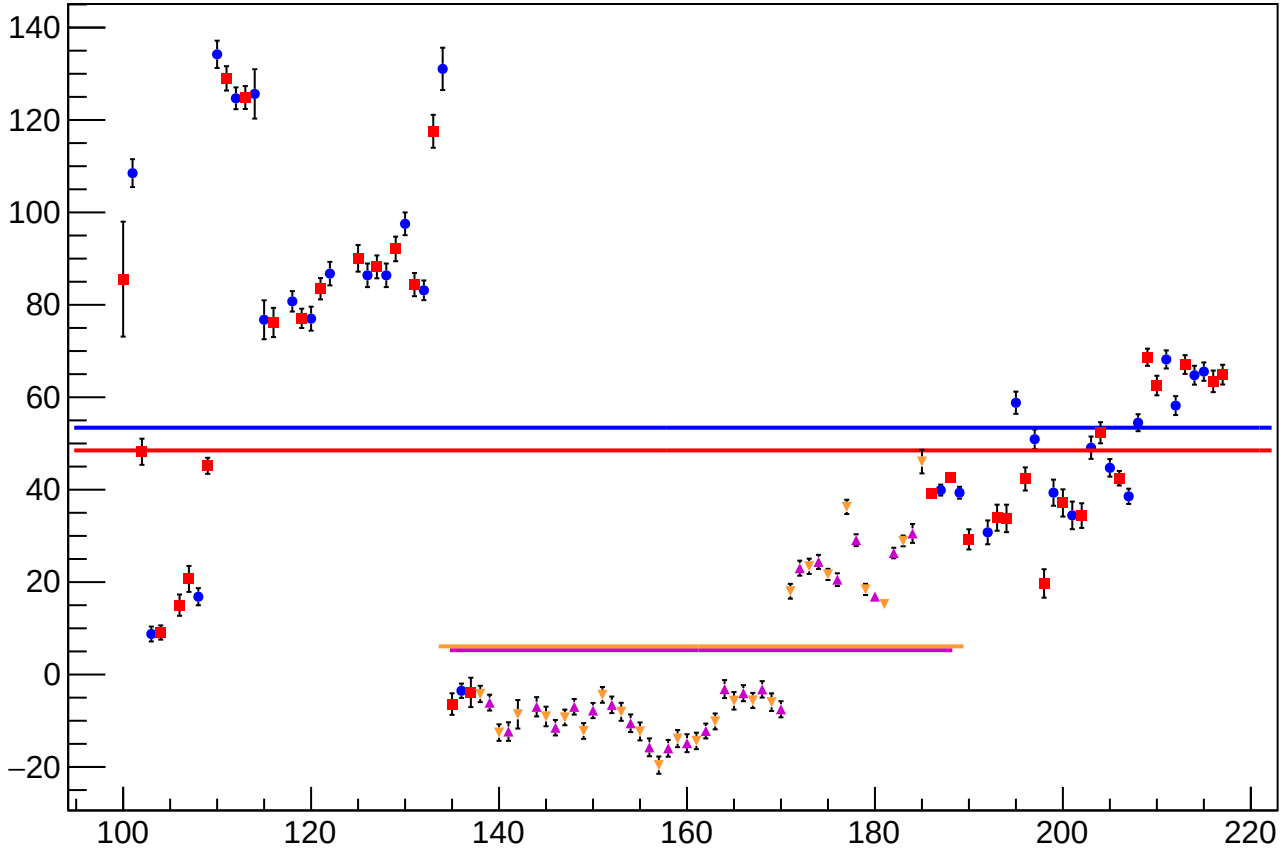
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

+ sign -2.025+/-0.224 χ^2/NDF: 859.6/54

All: -1.805+/-0.157 χ^2/NDF: 1850.9/111

- sign -1.591+/-0.220 χ^2/NDF: 989.4/56

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.413+/-0.377 χ^2/NDF: 6880.5/30

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

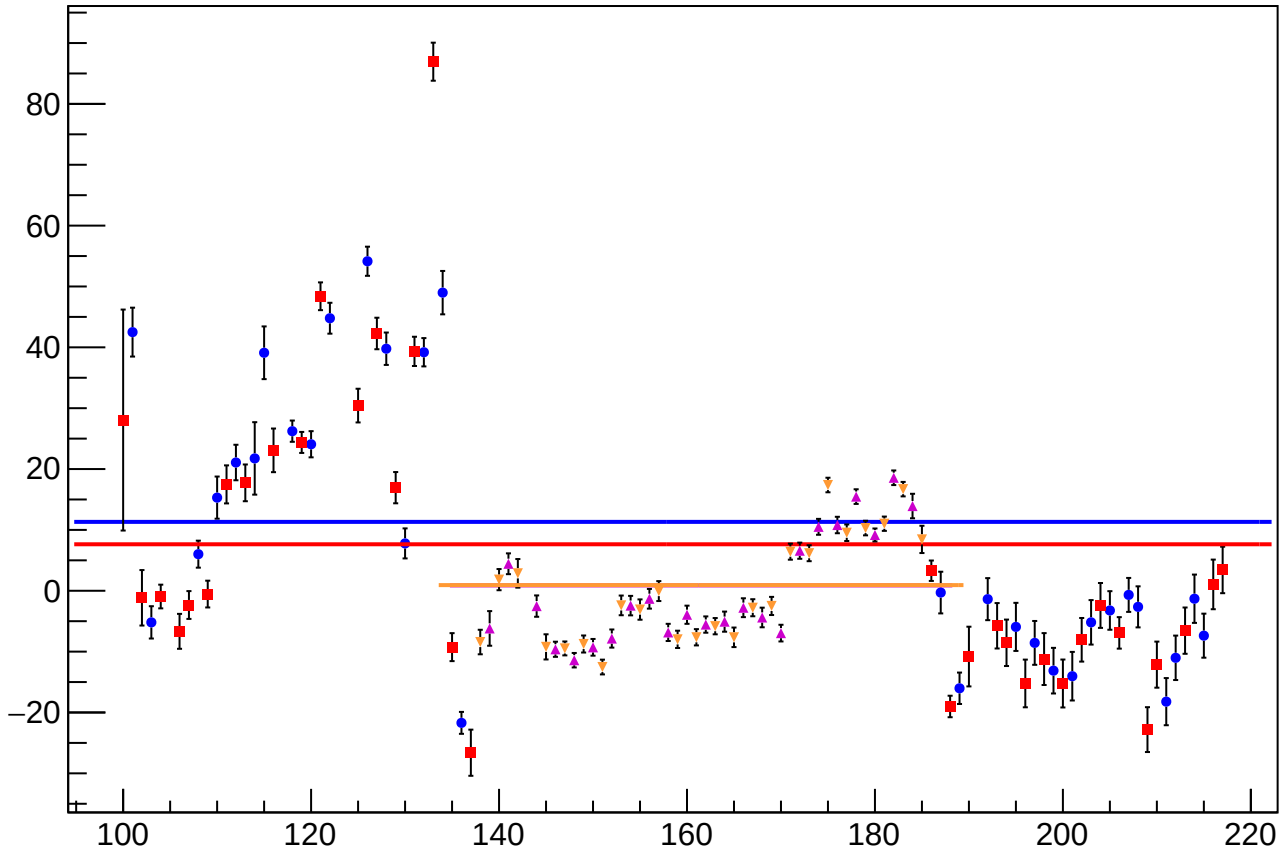
Right Out: 48.497+/-0.322 χ^2/NDF: 6350.3/33

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 26.825+/-0.250 χ^2/NDF: 18507.3/54

All: 27.362+/-0.170 χ^2/NDF: 35928.3/111

- sign 27.829+/-0.233 χ^2/NDF: 17412.4/56



Right In: 11.319+/-0.519 χ^2/NDF: 1950.1/30

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

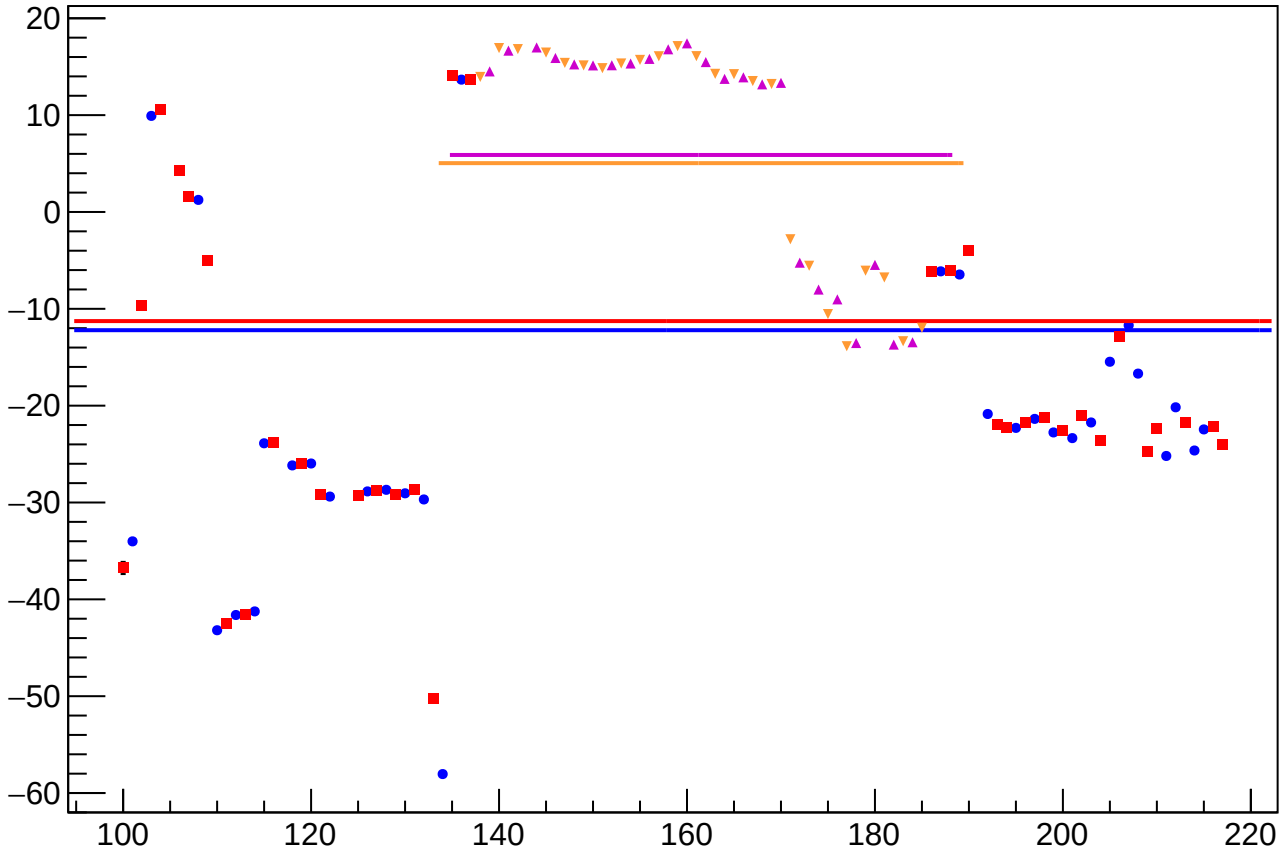
Right Out: 7.639+/-0.482 χ^2/NDF: 2286.0/33

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

\+ sign 3.422+/-0.254 χ^2/NDF: 3295.9/54

All: 3.079+/-0.179 χ^2/NDF: 6734.0/111

\- sign 2.740+/-0.253 χ^2/NDF: 3434.5/56



Right In: -12.207+/-0.024 χ^2/NDF: 504053.1/30

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

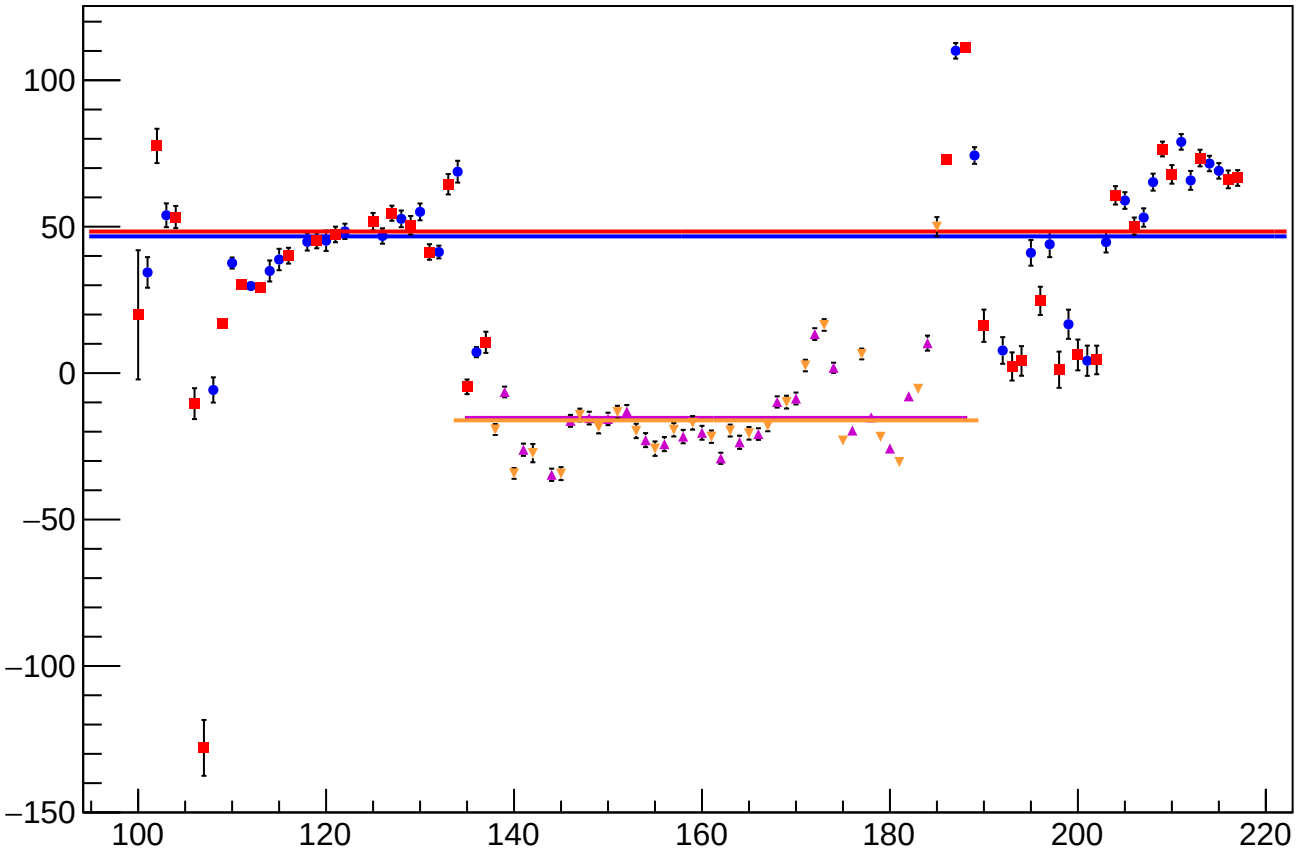
Right Out: -11.268+/-0.023 χ^2/NDF: 427563.9/33

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.078+/-0.011 χ^2/NDF: 1760370.4/54

All: 1.408+/-0.008 χ^2/NDF: 3447752.8/111

- sign 1.737+/-0.011 χ^2/NDF: 1685731.6/56



Right In: 46.683+/-0.516 χ^2/NDF: 2124.9/30

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.352+/-0.477 χ^2/NDF: 4466.5/33

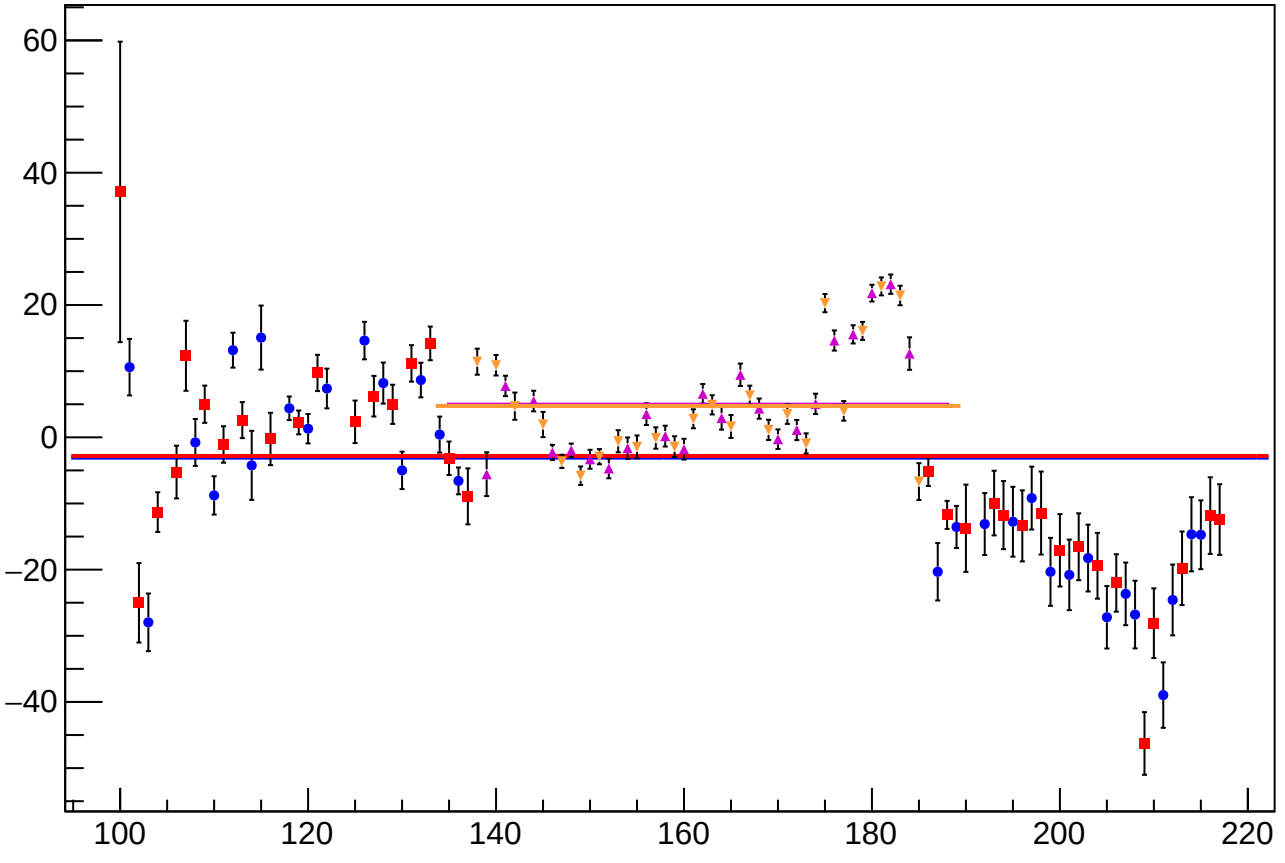
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 7.301+/-0.315 χ^2/NDF: 12786.9/54

All: 9.314+/-0.220 χ^2/NDF: 28480.8/111

- sign 11.237+/-0.308 χ^2/NDF: 15614.1/56

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.064+/-0.609 χ^2/NDF: 422.1/30

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

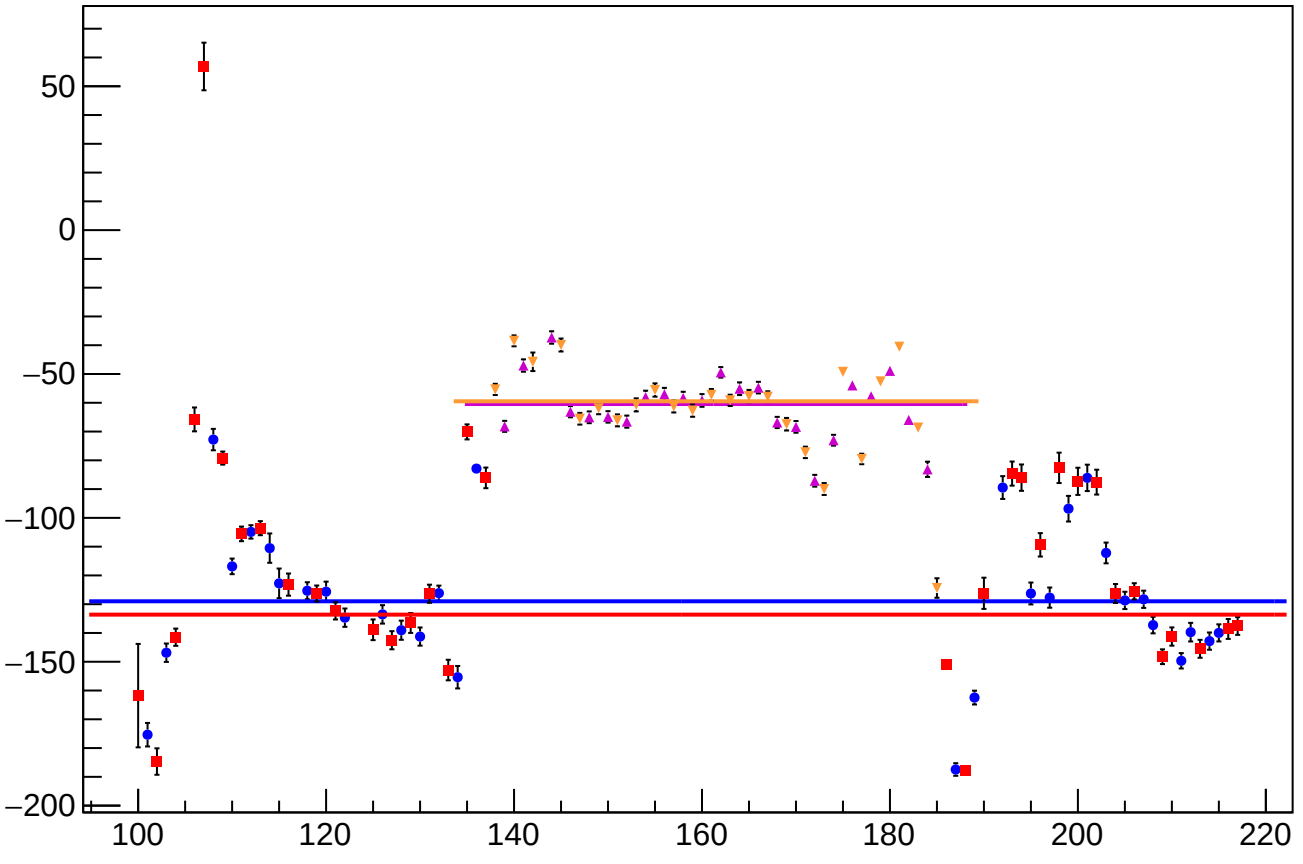
Right Out: -2.819+/-0.587 χ^2/NDF: 365.2/33

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

\+ sign 3.167+/-0.274 χ^2/NDF: 1347.0/54

All: 3.192+/-0.194 χ^2/NDF: 2536.6/111

\- sign 3.216+/-0.276 χ^2/NDF: 1189.6/56



Right In: -128.992+/-0.549 χ^2/NDF: 2584.7/30

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

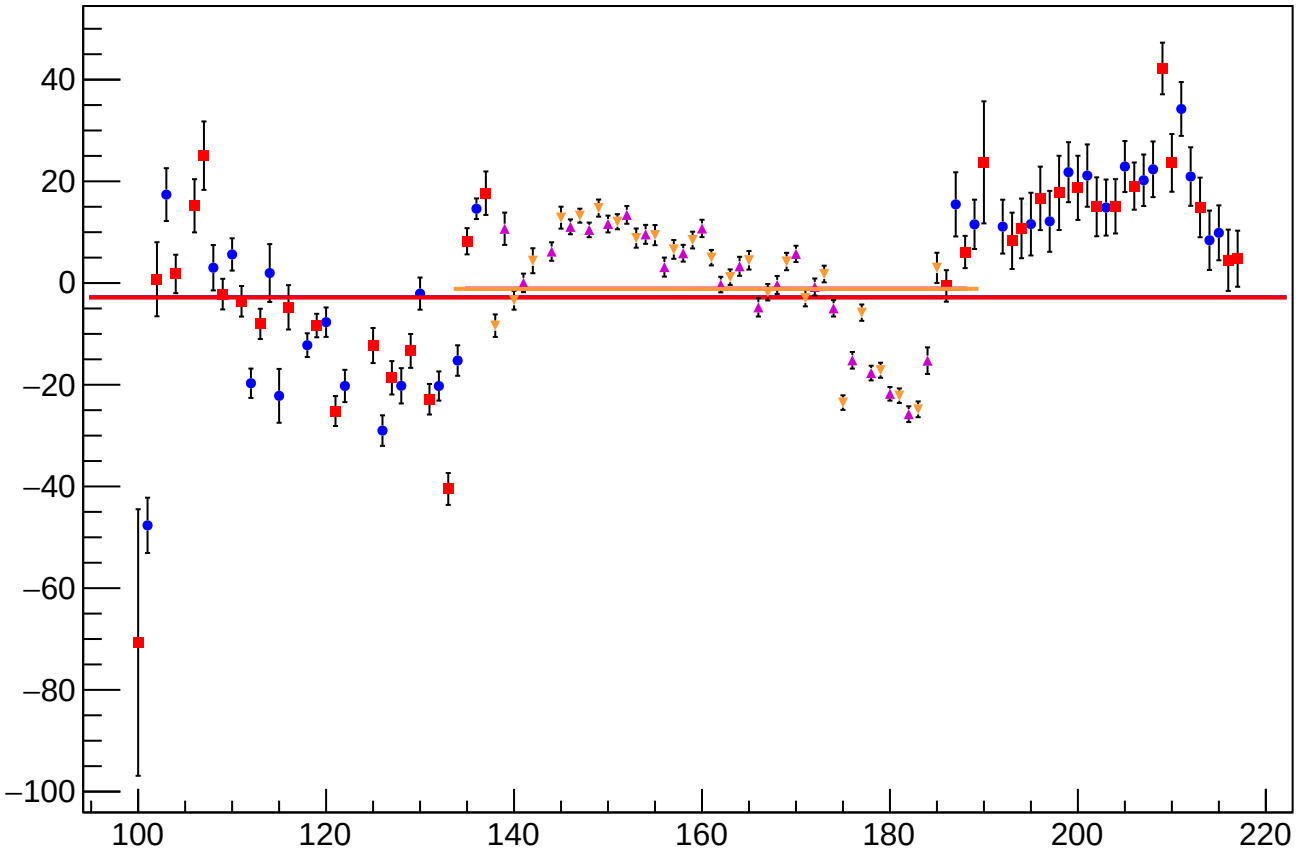
Right Out: -133.628+/-0.498 χ^2/NDF: 5389.1/33

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -83.194+/-0.321 χ^2/NDF: 14525.8/54

All: -86.216+/-0.223 χ^2/NDF: 33889.4/111

\- sign -89.074+/-0.312 χ^2/NDF: 19190.6/56



Right In: -2.792+/-0.696 χ^2/NDF: 640.9/30

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

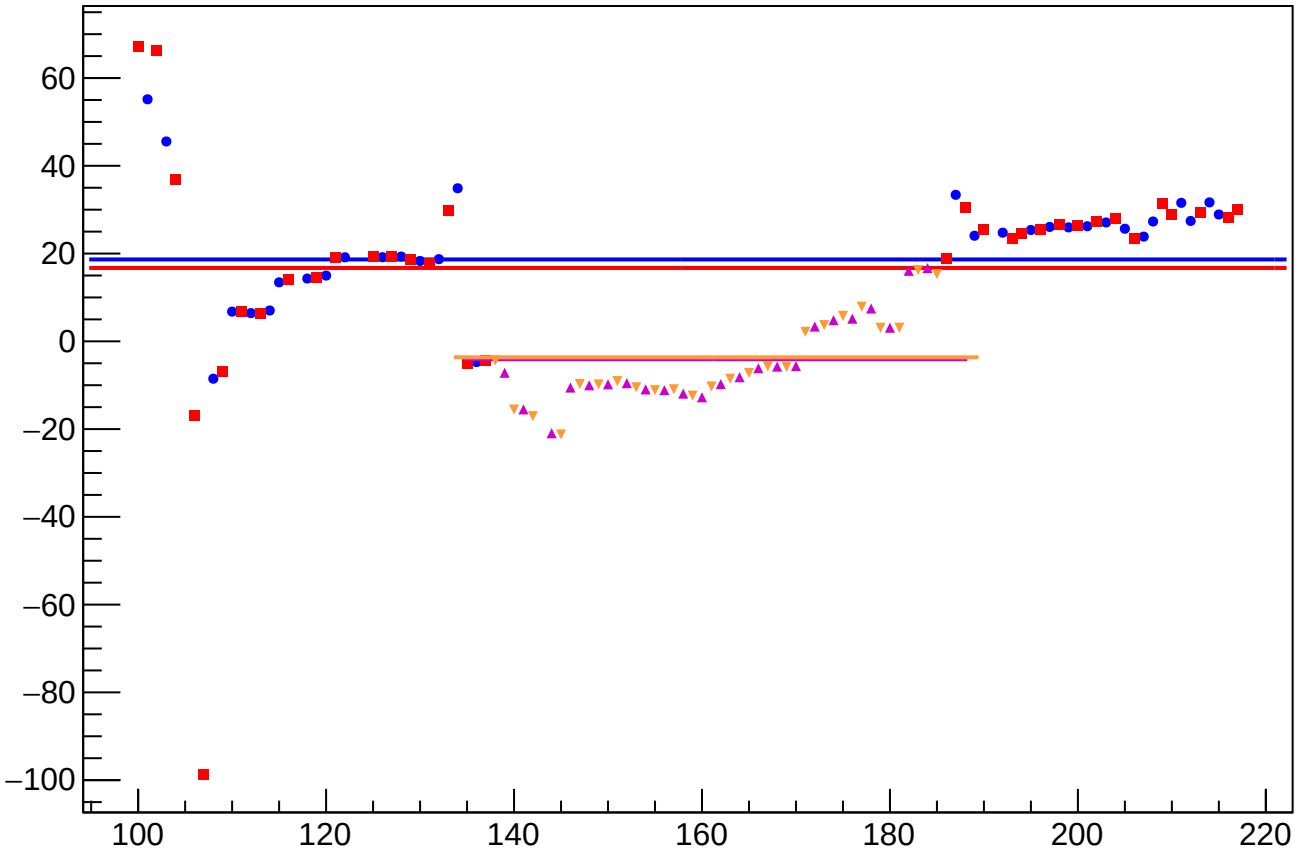
Right Out: -2.830+/-0.684 χ^2/NDF: 582.4/33

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.470+/-0.309 χ^2/NDF: 1948.4/54

All: -1.459+/-0.220 χ^2/NDF: 3693.4/111

- sign -1.448+/-0.313 χ^2/NDF: 1745.0/56



Right In: 18.658+/-0.035 χ^2/NDF: 218811.4/30

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

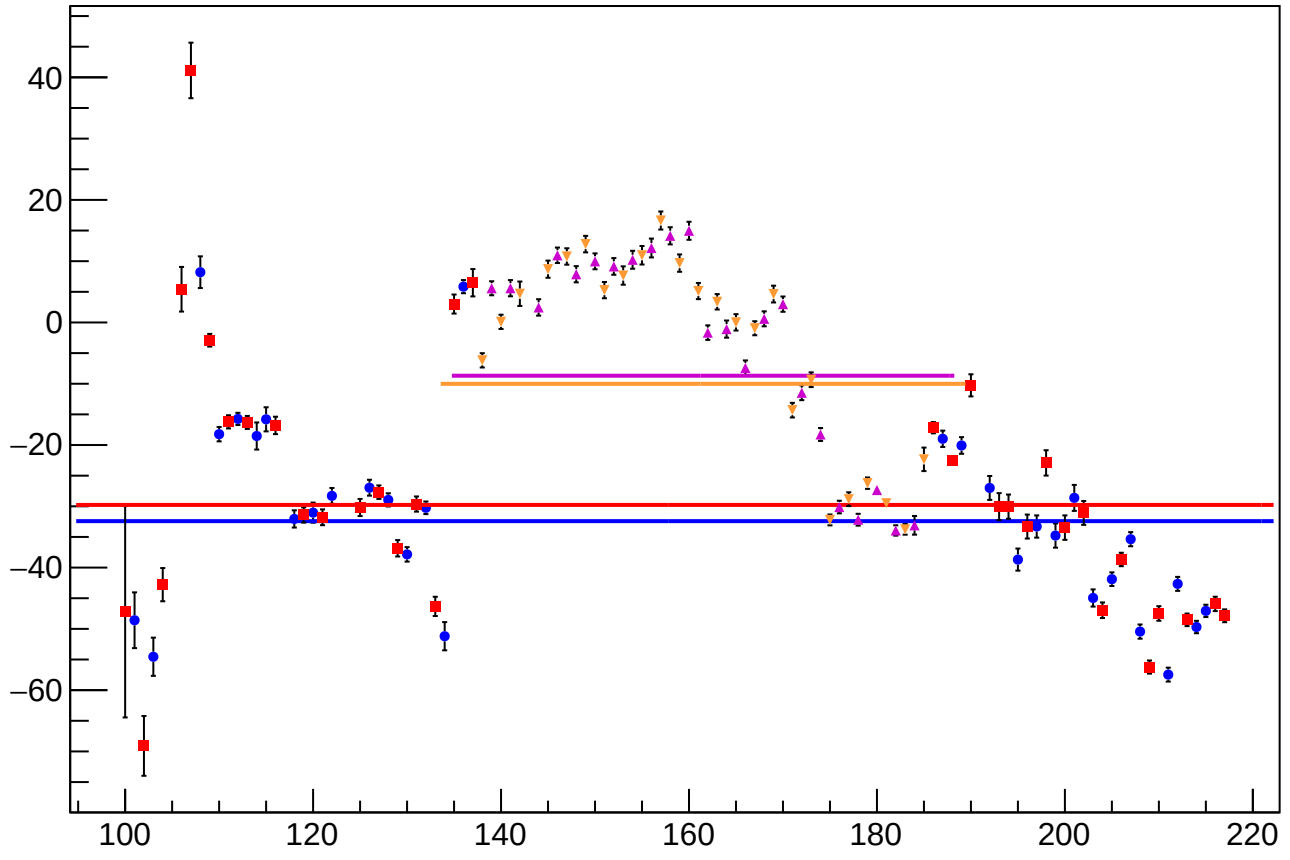
Right Out: 16.721+/-0.035 χ^2/NDF: 354826.4/33

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.008+/-0.014 χ^2/NDF: 903809.0/54

All: -0.357+/-0.010 χ^2/NDF: 1884884.2/111

- sign -0.710+/-0.014 χ^2/NDF: 979848.0/56



Right In: -32.422+/-0.243 χ^2/NDF: 3925.8/30

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

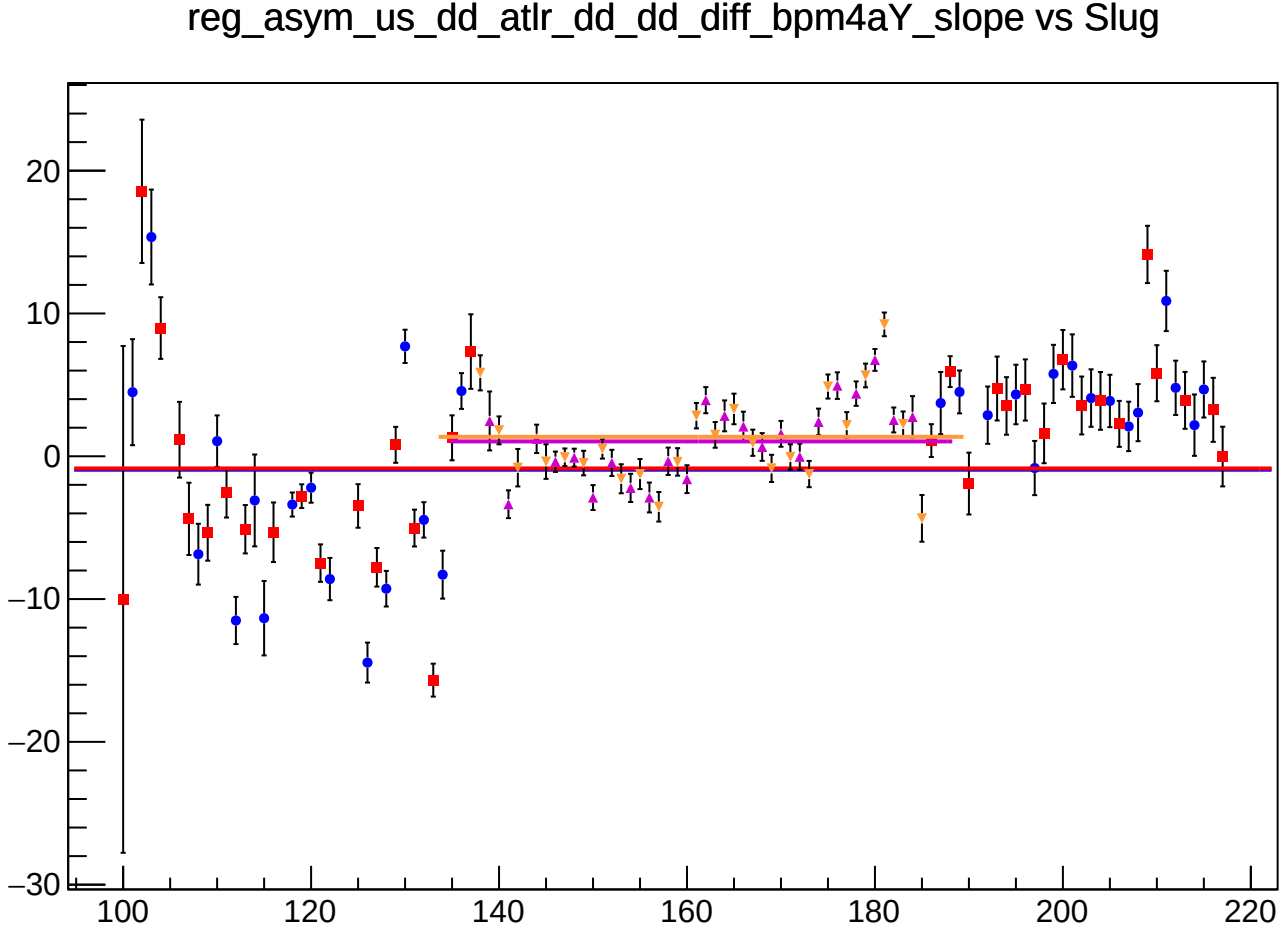
Right Out: -29.775+/-0.232 χ^2/NDF: 4672.1/33

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -21.274+/-0.172 χ^2/NDF: 13130.5/54

All: -20.580+/-0.121 χ^2/NDF: 26713.2/111

- sign -19.909+/-0.169 χ^2/NDF: 13550.8/56



Right In: -0.940+/-0.294 χ^2/NDF: 488.8/30

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

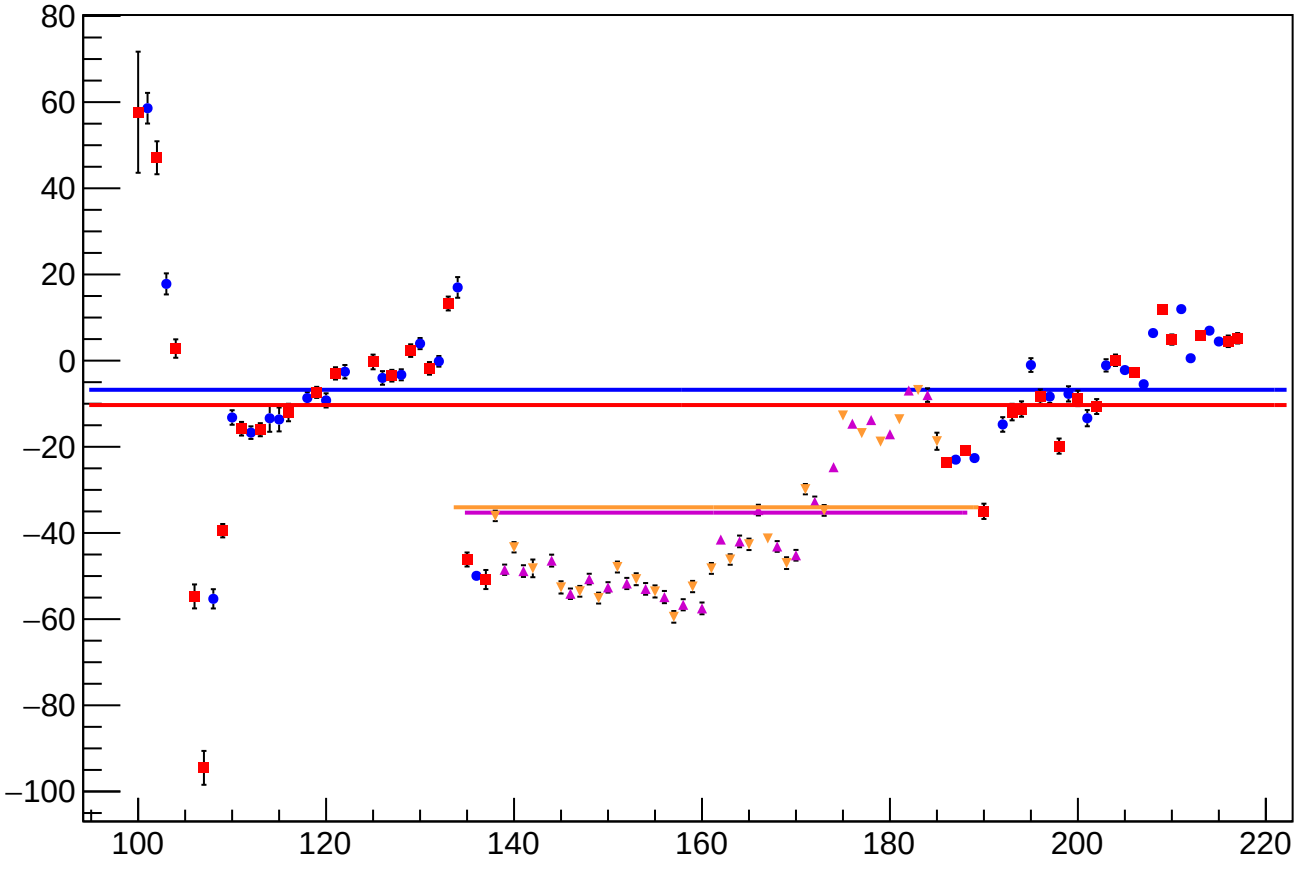
Right Out: -0.853+/-0.285 χ^2/NDF: 471.0/33

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.692+/-0.159 χ^2/NDF: 772.5/54

All: 0.571+/-0.112 χ^2/NDF: 1471.1/111

- sign 0.449+/-0.159 χ^2/NDF: 697.4/56



Right In: -6.767+/-0.255 χ^2/NDF: 3959.2/30

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

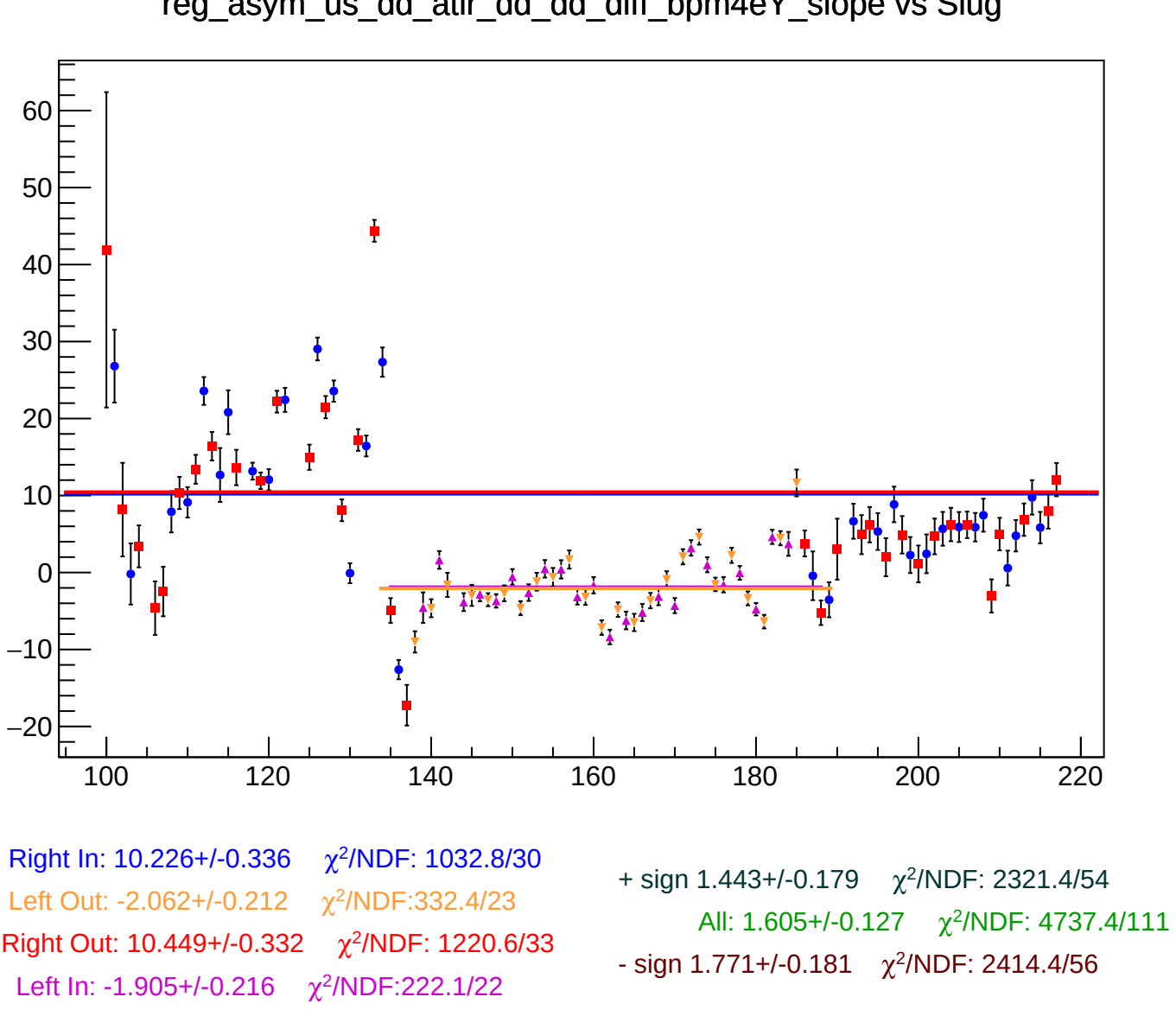
Right Out: -10.309+/-0.238 χ^2/NDF: 4644.0/33

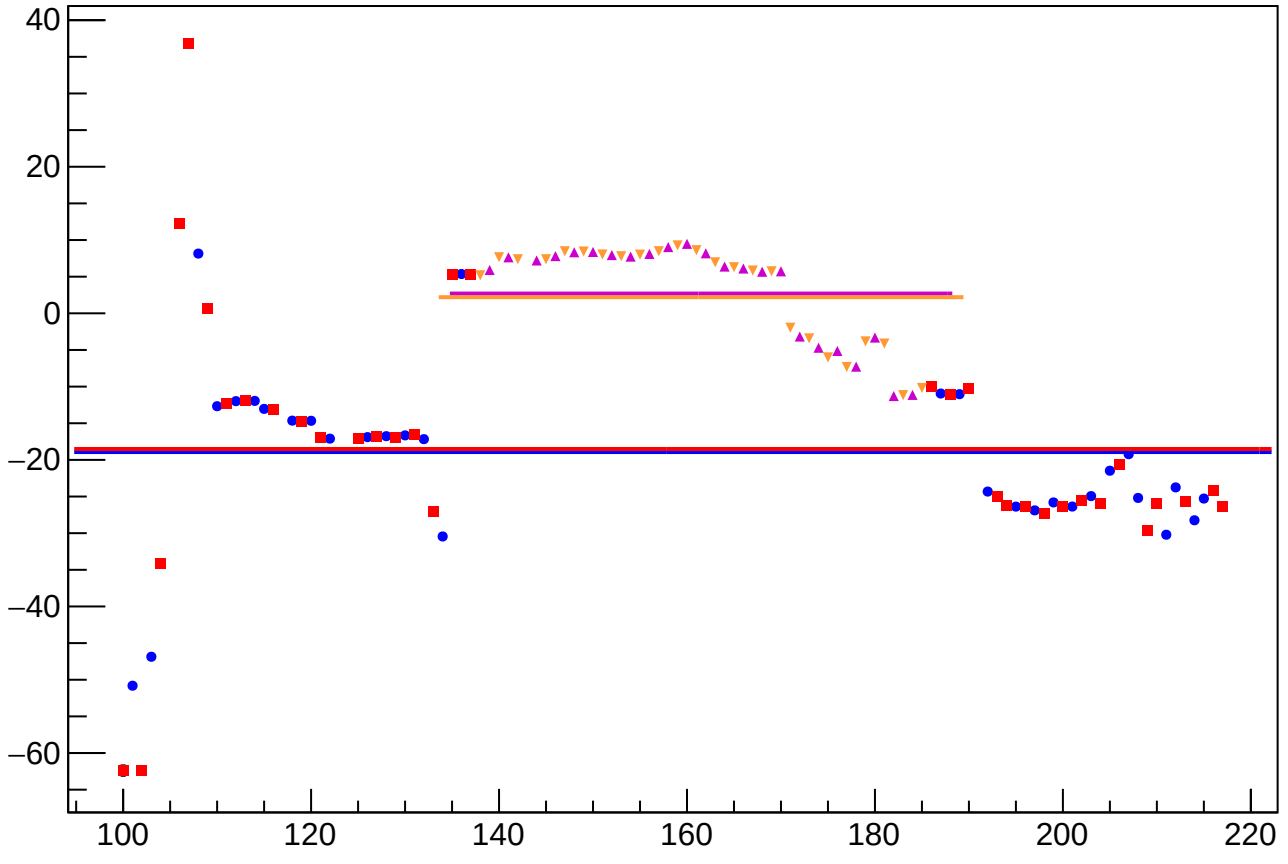
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -21.100+/-0.176 χ^2/NDF: 14921.7/54

All: -21.786+/-0.123 χ^2/NDF: 29921.4/111

- sign -22.436+/-0.171 χ^2/NDF: 14970.1/56


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 10.226+/-0.336 χ²/NDF: 1032.8/30
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 10.449+/-0.332 χ²/NDF: 1220.6/33
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.443+/-0.179 χ²/NDF: 2321.4/54
All: 1.605+/-0.127 χ²/NDF: 4737.4/111
- sign 1.771+/-0.181 χ²/NDF: 2414.4/56



Right In: -18.929+/-0.017 χ^2/NDF: 531387.2/30

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.513+/-0.017 χ^2/NDF: 615293.1/33

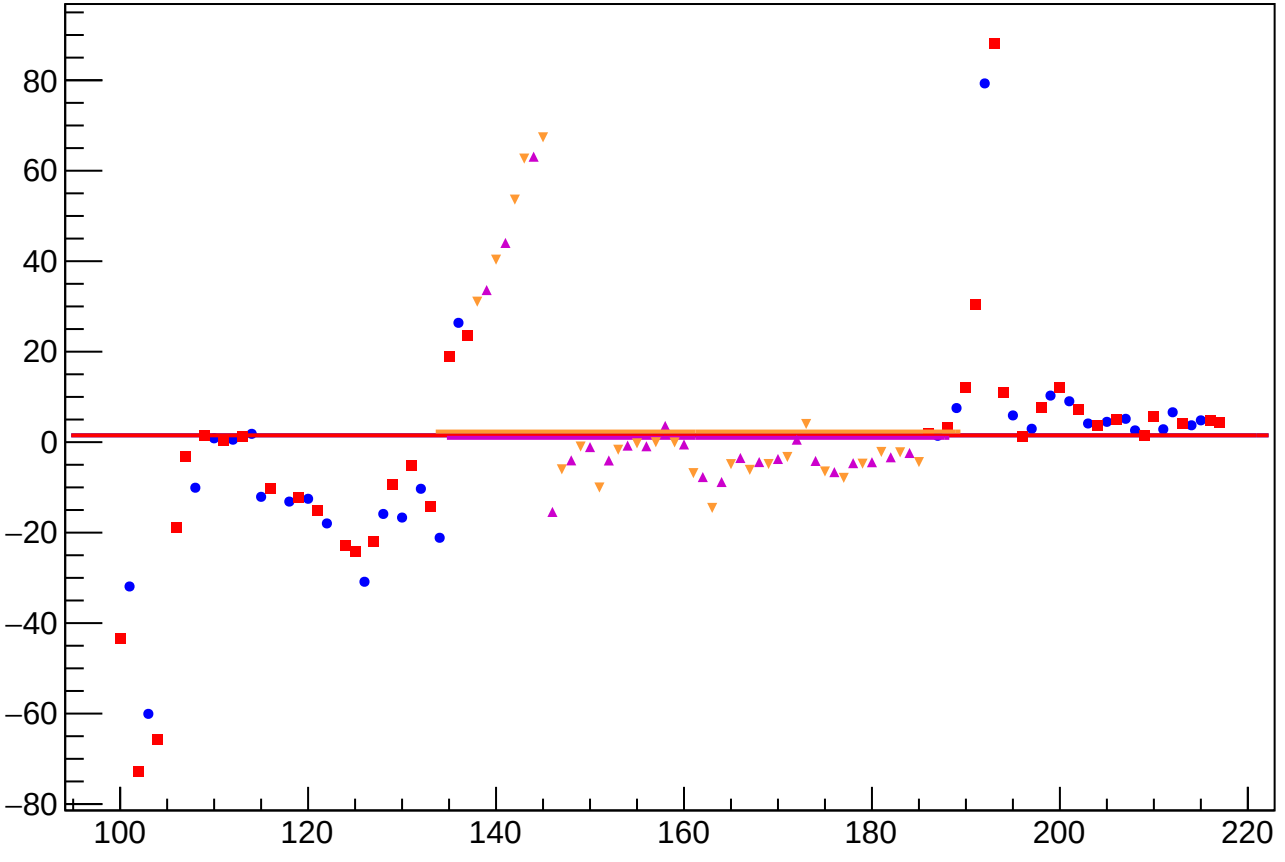
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -2.916+/-0.008 χ^2/NDF: 2238238.7/54

All: -2.714+/-0.006 χ^2/NDF: 4563181.8/111

\- sign -2.511+/-0.008 χ^2/NDF: 2323749.1/56

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.509+/-0.035 χ^2/NDF: 121484.0/30

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.507+/-0.032 χ^2/NDF: 122438.8/35

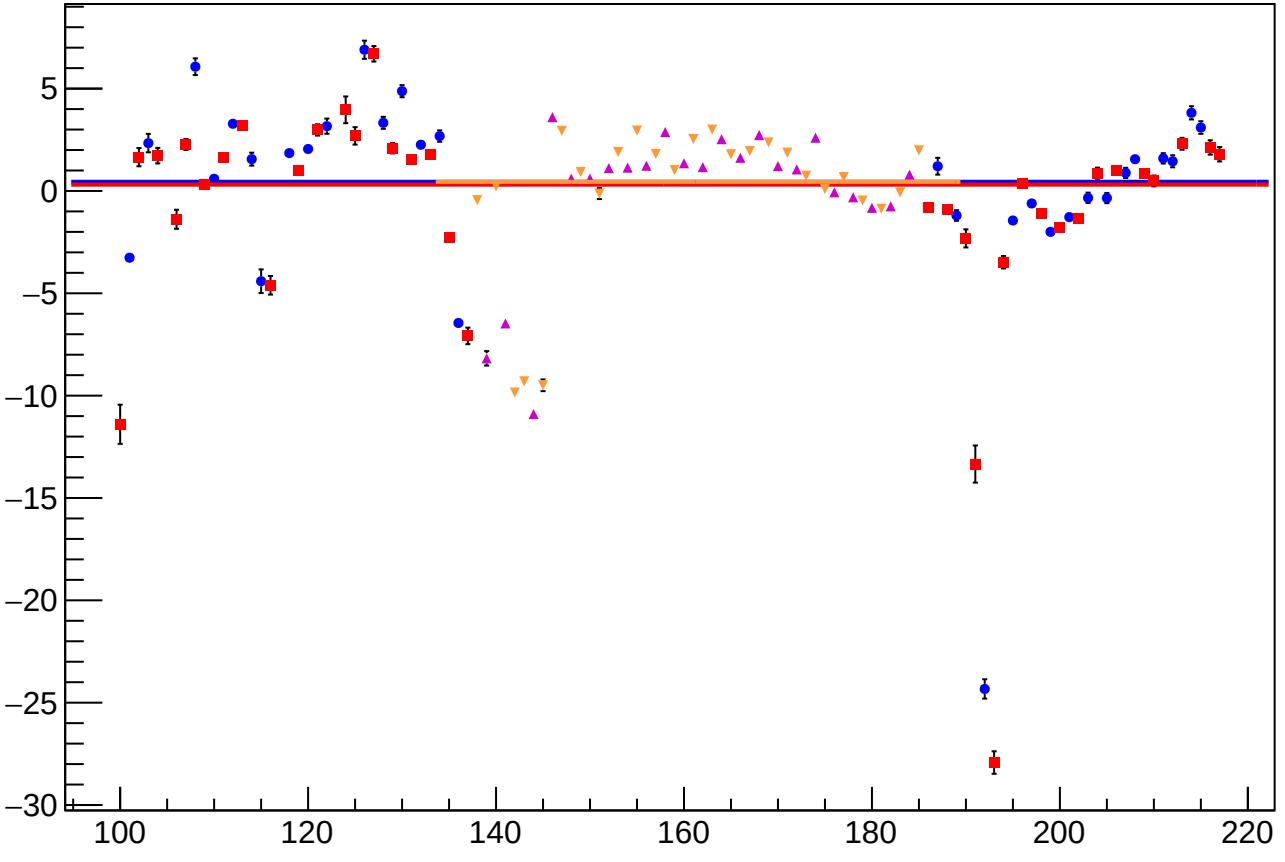
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.867+/-0.026 χ^2/NDF: 298713.7/55

All: 1.563+/-0.018 χ^2/NDF: 554038.3/114

- sign 1.294+/-0.025 χ^2/NDF: 255074.9/58

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.449+/-0.044 χ^2/NDF: 6094.2/30

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

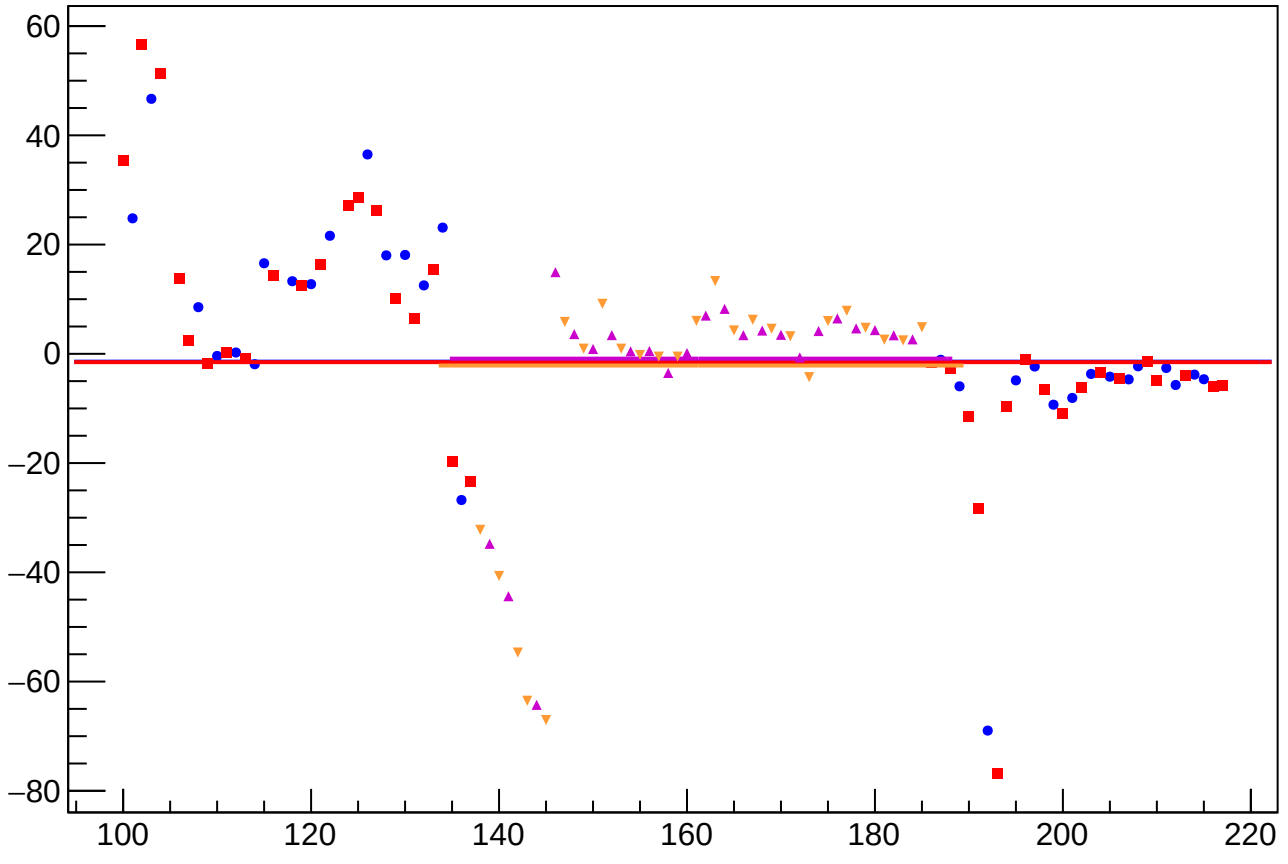
Right Out: 0.306+/-0.042 χ^2/NDF: 5198.1/35

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.447+/-0.026 χ^2/NDF: 13138.6/55

All: 0.414+/-0.018 χ^2/NDF: 25447.3/114

- sign 0.384+/-0.025 χ^2/NDF: 12305.8/58



Right In: -1.435+/-0.036 χ^2/NDF: 119767.3/30

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.523+/-0.034 χ^2/NDF: 120763.6/35

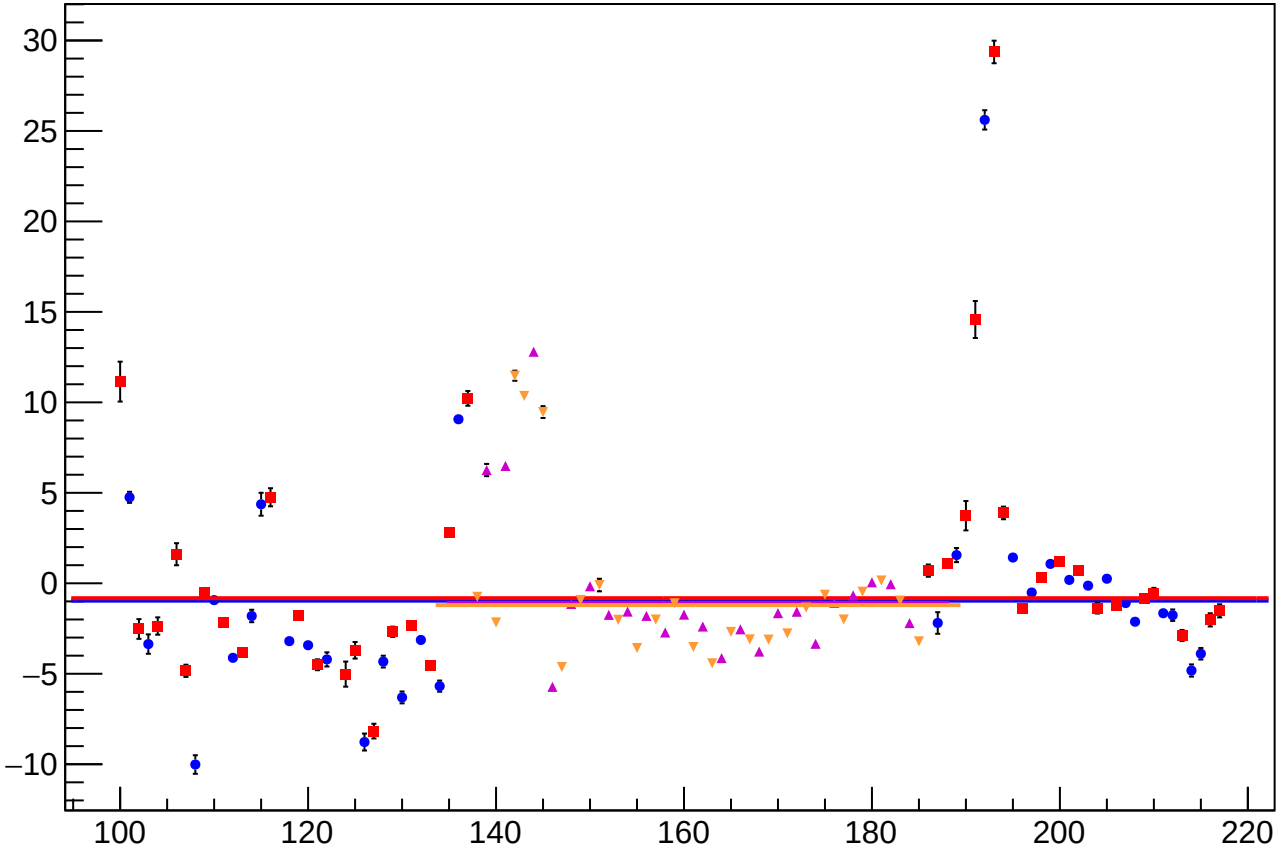
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.752+/-0.027 χ^2/NDF: 291209.2/55

All: -1.489+/-0.019 χ^2/NDF: 541505.5/114

- sign -1.253+/-0.026 χ^2/NDF: 250115.2/58

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.958+/-0.051 χ^2/NDF: 7600.5/30

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

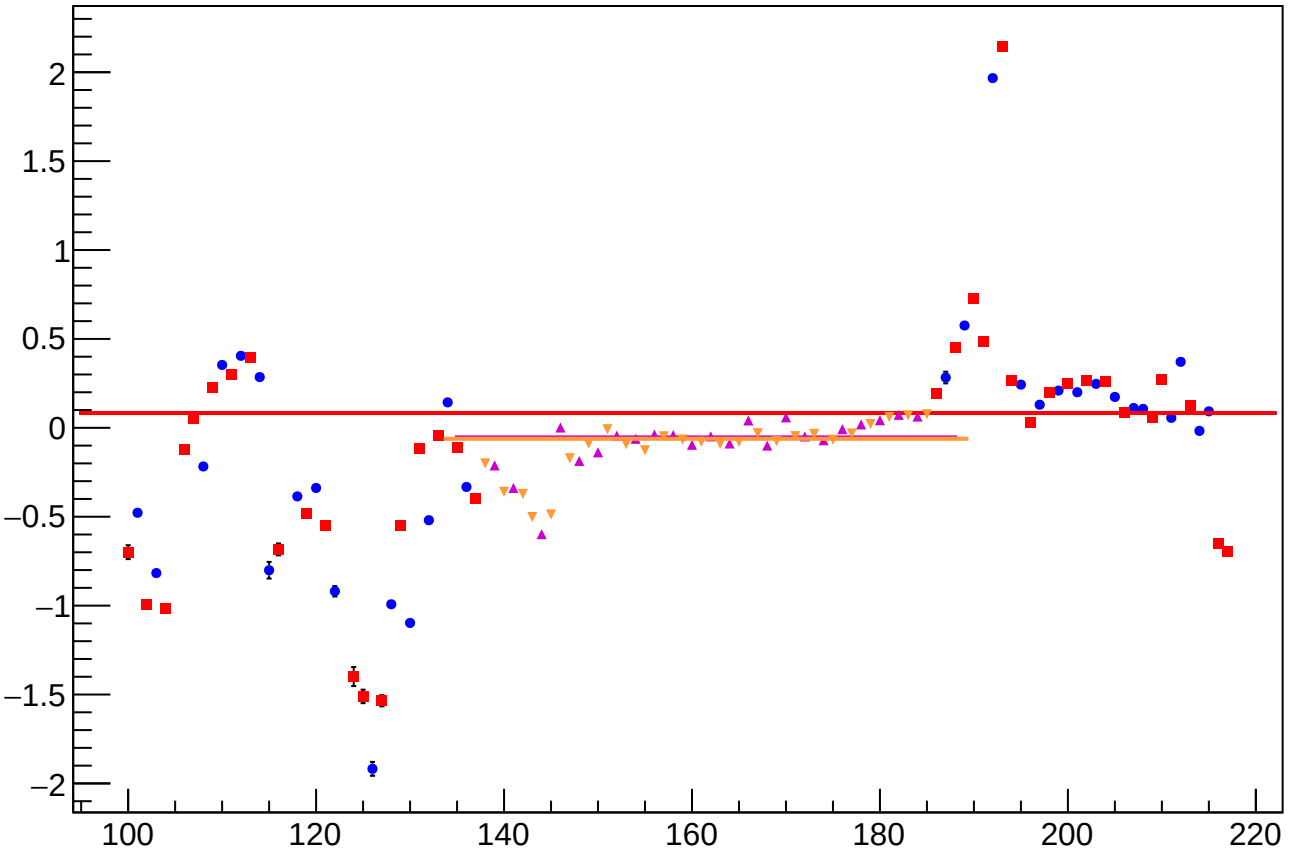
Right Out: -0.823+/-0.048 χ^2/NDF: 5674.7/35

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.122+/-0.030 χ^2/NDF: 14619.3/55

All: -1.059+/-0.020 χ^2/NDF: 27352.3/114

- sign -1.002+/-0.028 χ^2/NDF: 12724.3/58



Right In: 0.083+/-0.002 χ^2/NDF: 34450.6/30

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

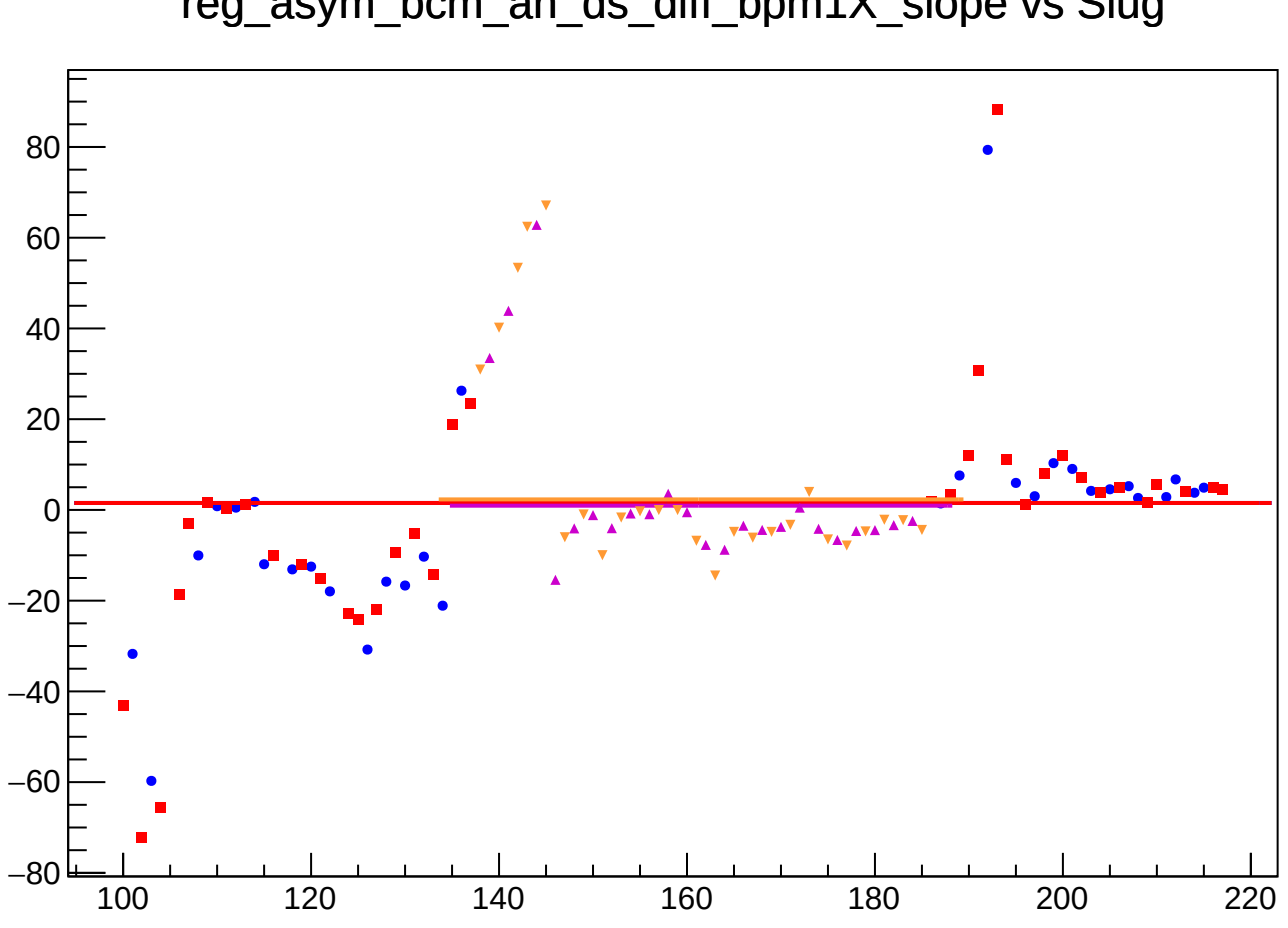
Right Out: 0.083+/-0.002 χ^2/NDF: 37496.2/35

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.014+/-0.001 χ^2/NDF: 42899.1/55

All: -0.013+/-0.001 χ^2/NDF: 88051.0/114

- sign -0.011+/-0.001 χ^2/NDF: 45149.0/58



Right In: 1.533+/-0.035 χ^2/NDF: 122052.4/30

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.532+/-0.032 χ^2/NDF: 123064.2/35

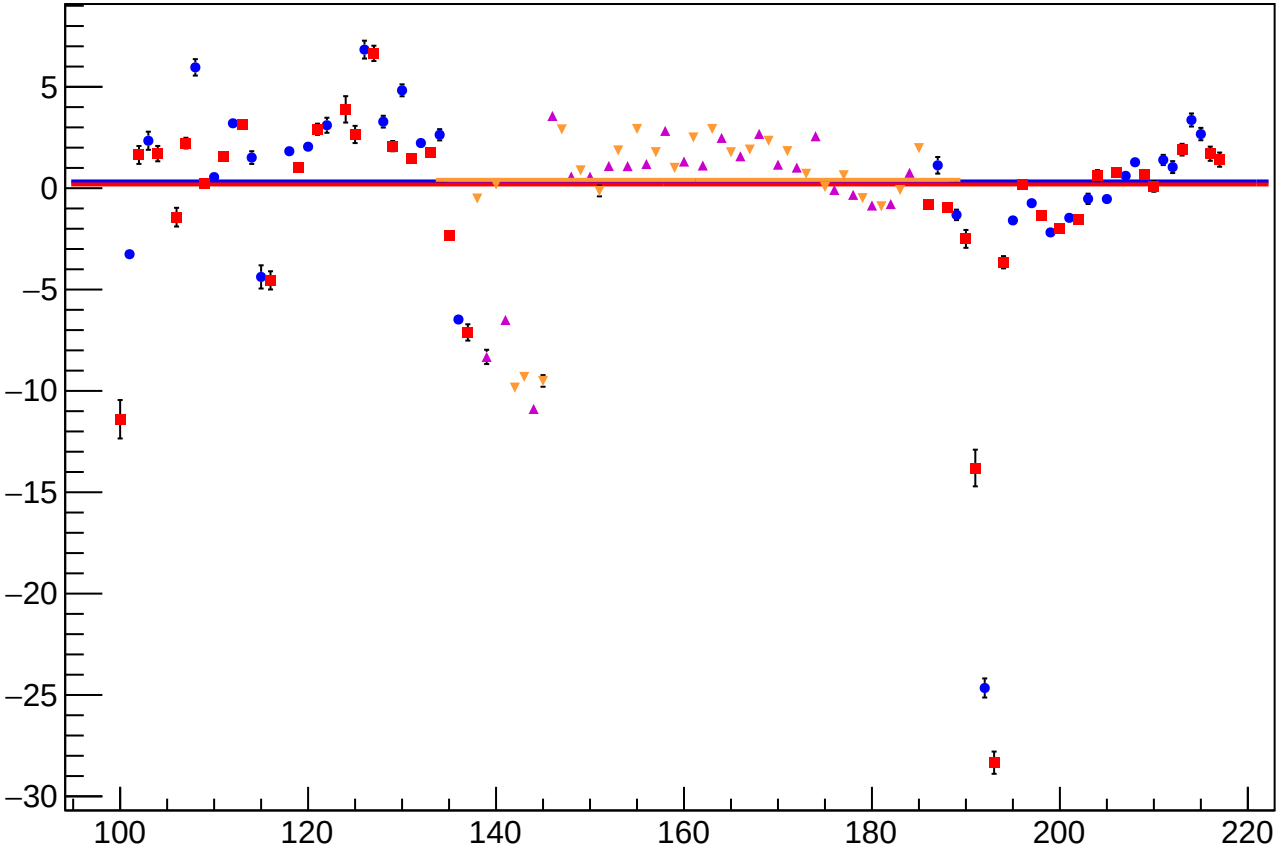
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.870+/-0.026 χ^2/NDF: 299017.2/55

All: 1.568+/-0.018 χ^2/NDF: 554872.5/114

- sign 1.302+/-0.025 χ^2/NDF: 255607.5/58

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.333+/-0.044 χ^2/NDF: 6171.0/30

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.185+/-0.042 χ^2/NDF: 5330.8/35

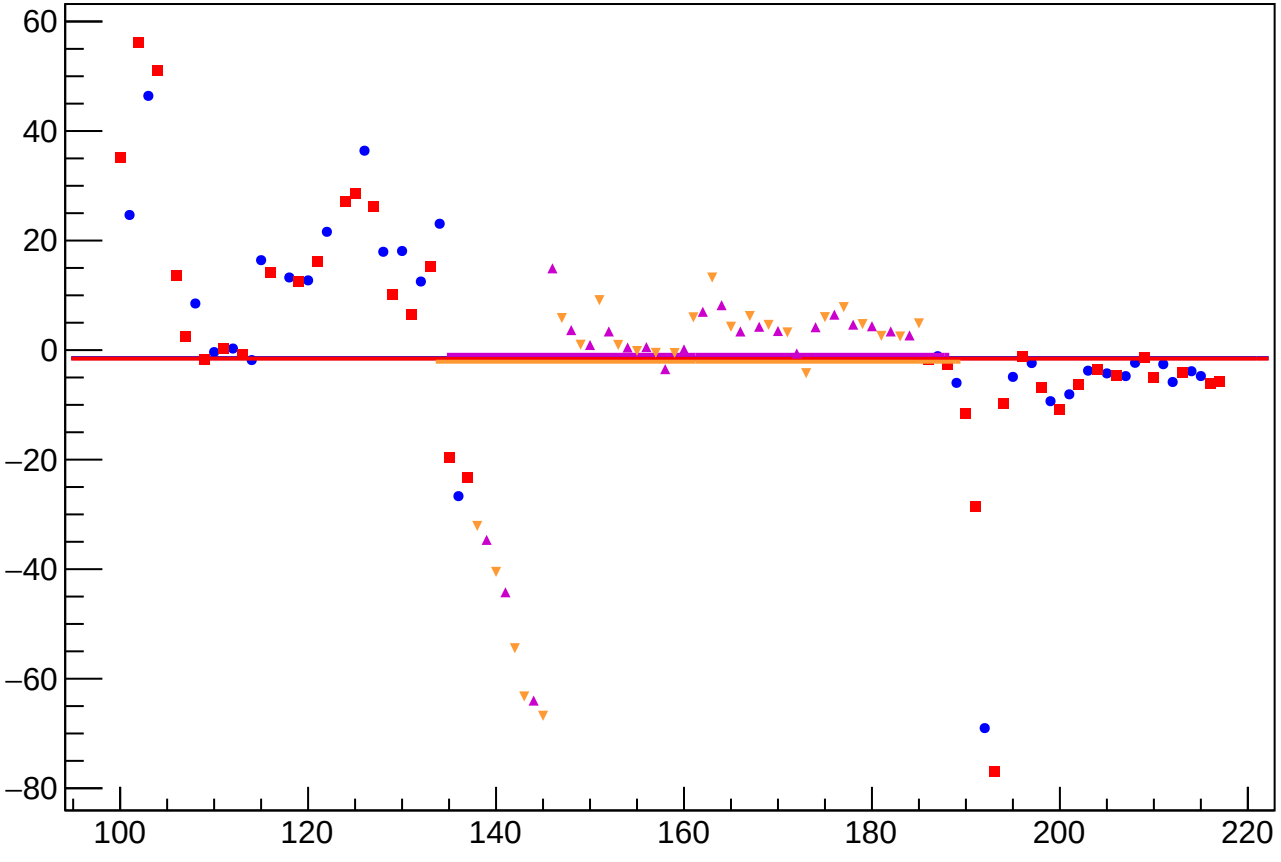
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.385+/-0.026 χ^2/NDF: 13220.4/55

All: 0.349+/-0.018 χ^2/NDF: 25684.1/114

- sign 0.316+/-0.025 χ^2/NDF: 12460.1/58

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.464+/-0.036 χ^2/NDF: 120284.5/30

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.553+/-0.033 χ^2/NDF: 121351.4/35

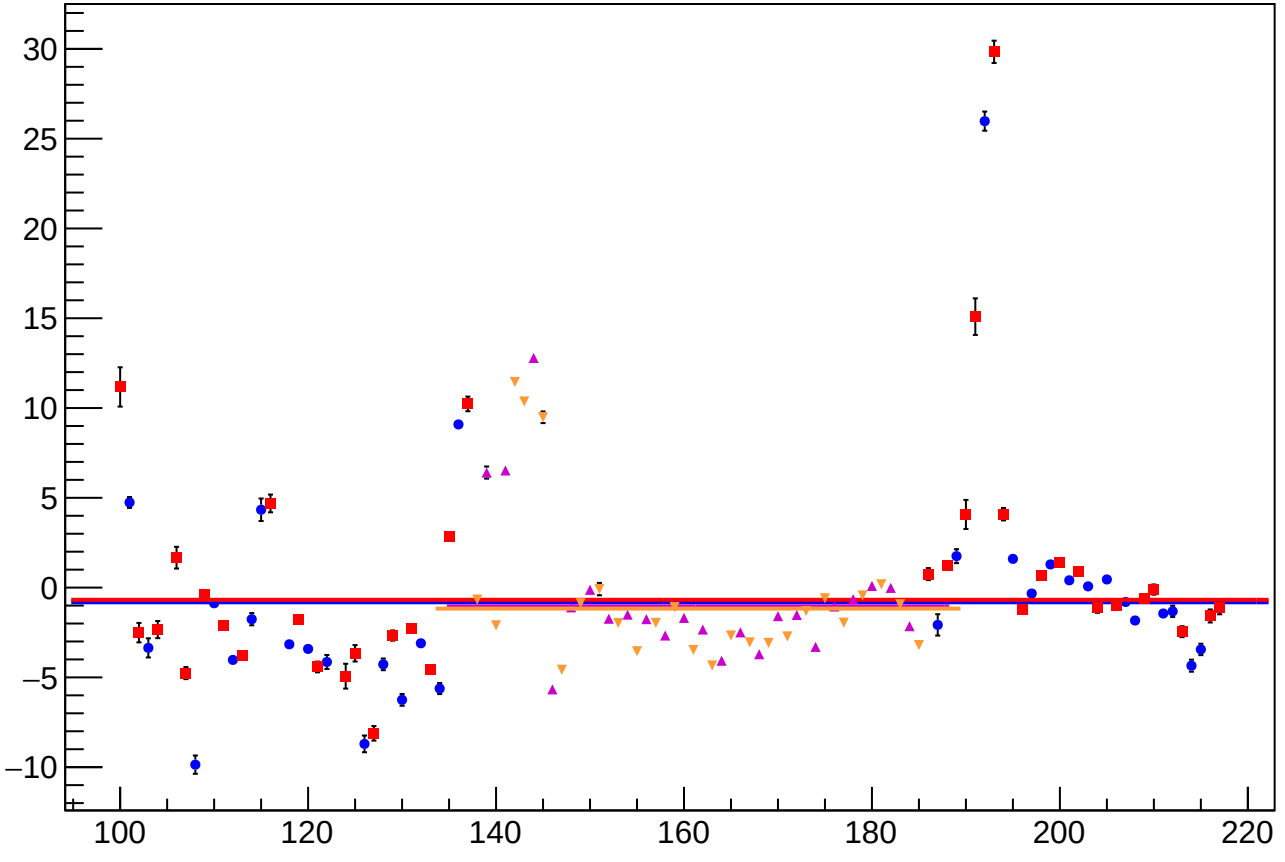
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.757+/-0.027 χ^2/NDF: 291471.9/55

All: -1.496+/-0.018 χ^2/NDF: 542269.6/114

- sign -1.261+/-0.025 χ^2/NDF: 250617.9/58

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.817+/-0.051 χ^2/NDF: 7662.7/30

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.678+/-0.048 χ^2/NDF: 5813.0/35

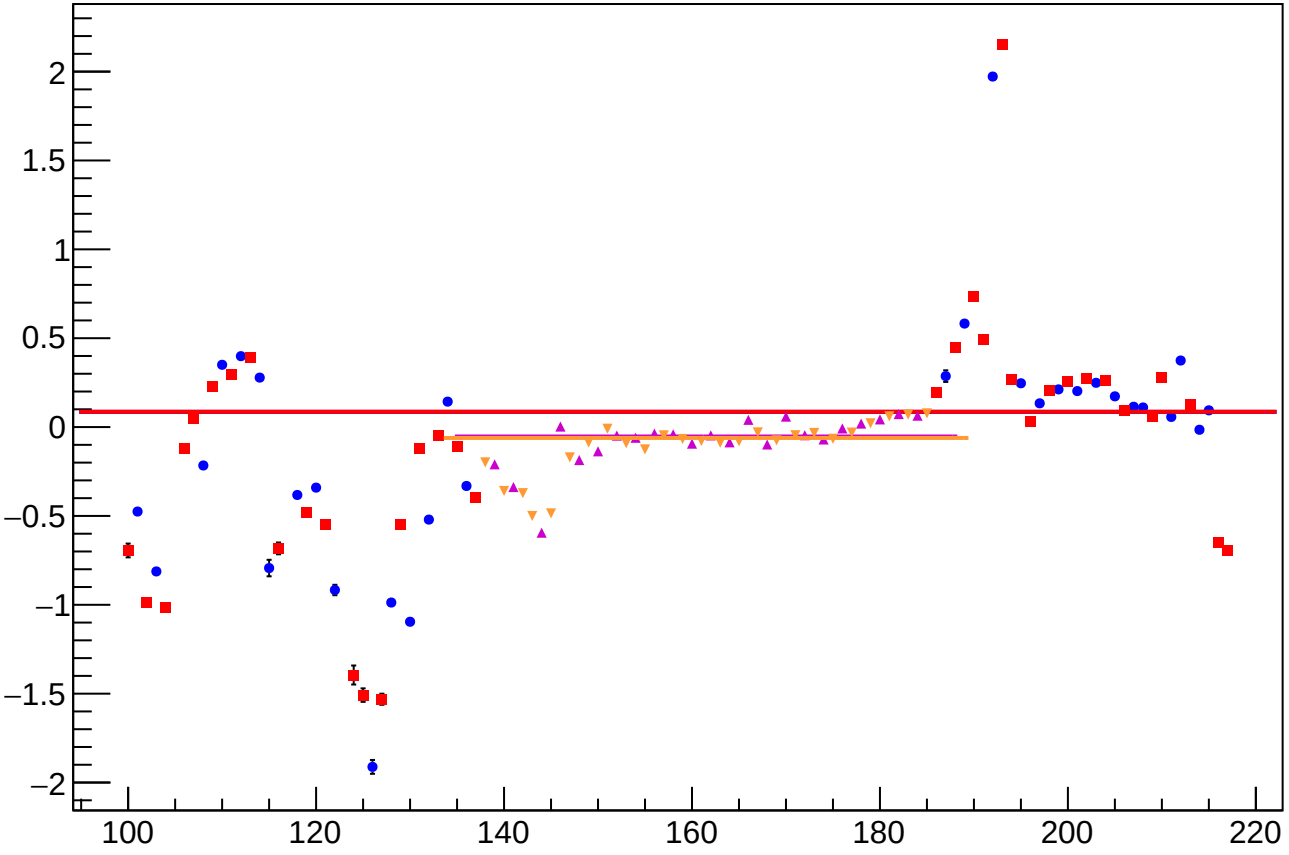
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.049+/-0.029 χ^2/NDF: 14695.8/55

All: -0.983+/-0.020 χ^2/NDF: 27598.0/114

- sign -0.922+/-0.028 χ^2/NDF: 12892.5/58

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.086+/-0.002 χ^2/NDF: 34728.3/30

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.086+/-0.002 χ^2/NDF: 37837.6/35

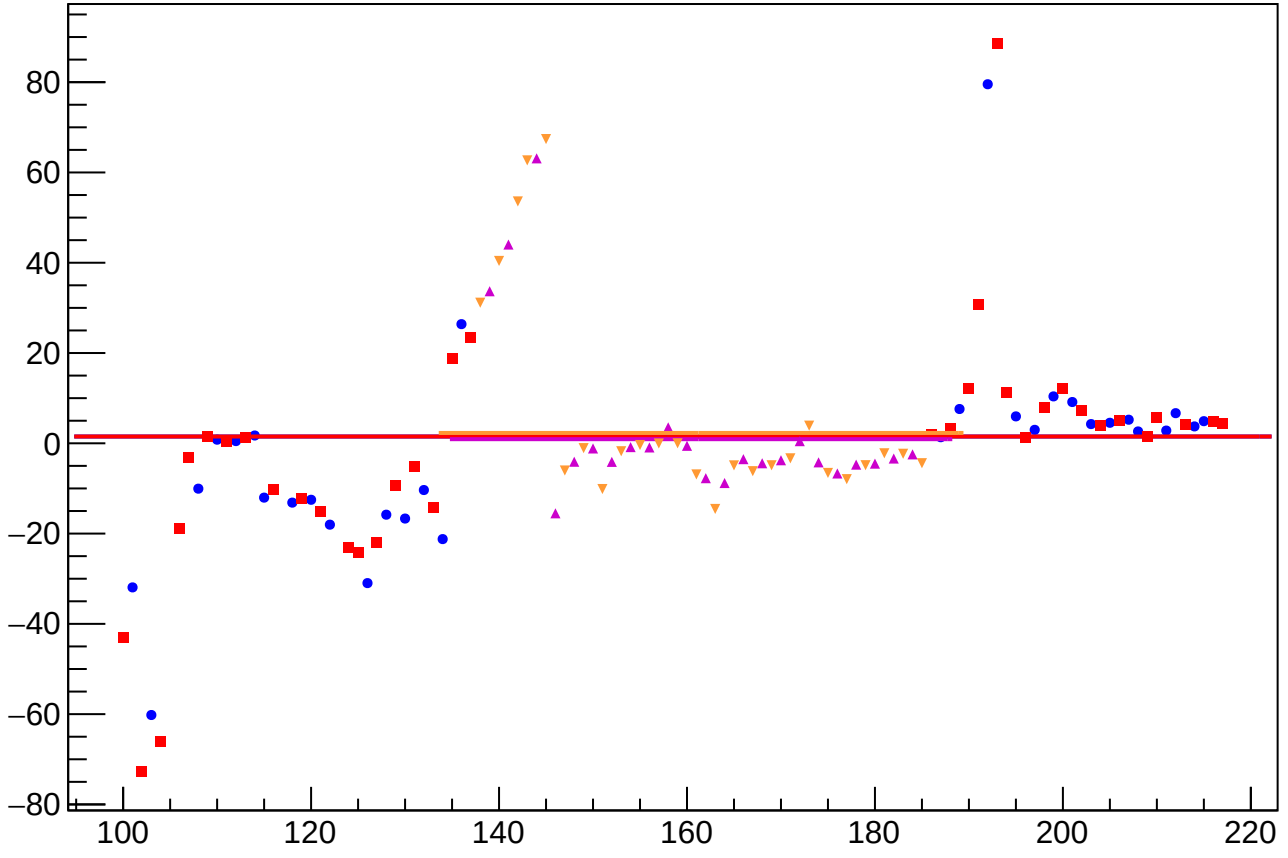
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.013+/-0.001 χ^2/NDF: 43284.1/55

All: -0.011+/-0.001 χ^2/NDF: 88856.6/114

- sign -0.010+/-0.001 χ^2/NDF: 45568.7/58

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.504+/-0.035 χ^2/NDF: 122073.1/30

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.503+/-0.032 χ^2/NDF: 123051.7/35

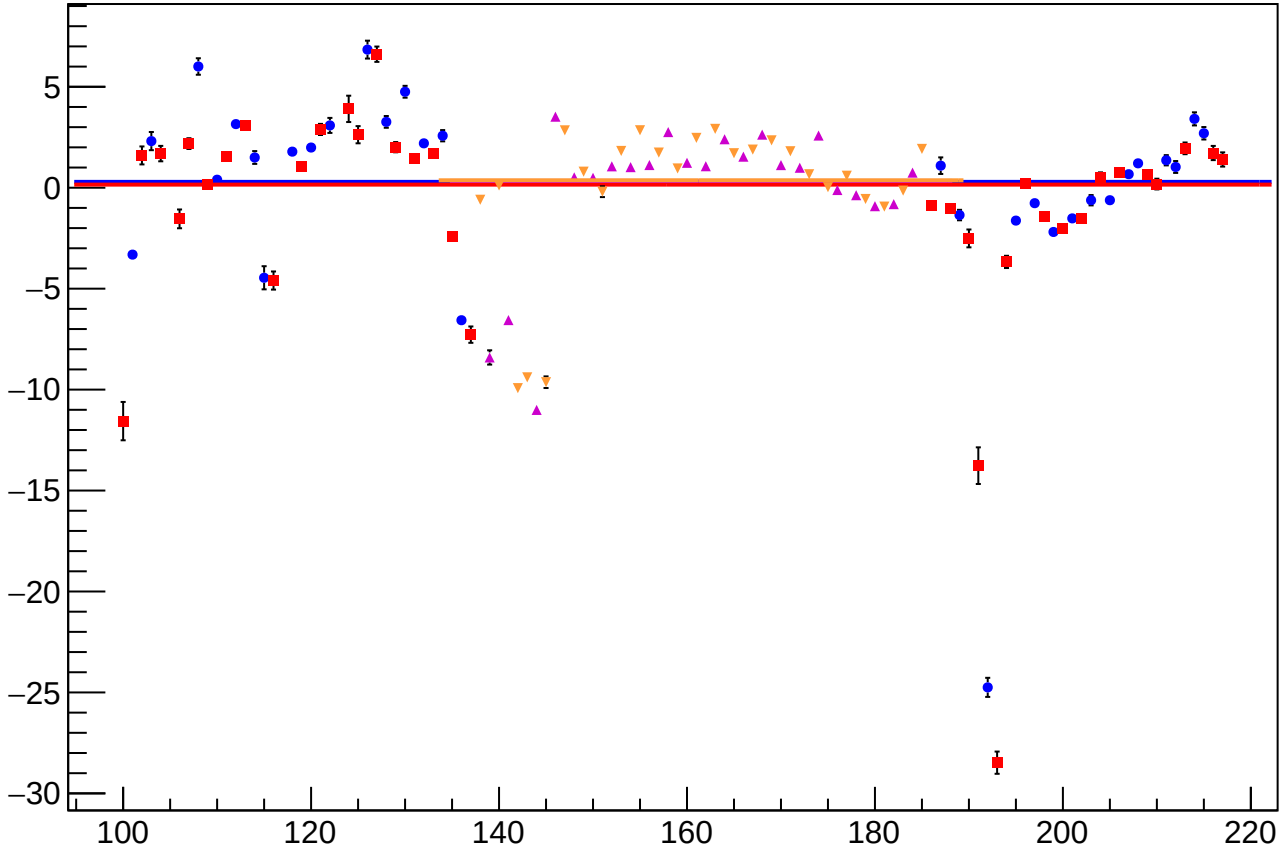
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.845+/-0.026 χ^2/NDF: 299479.2/55

All: 1.542+/-0.018 χ^2/NDF: 555485.6/114

- sign 1.275+/-0.025 χ^2/NDF: 255759.7/58

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.290+/-0.044 χ^2/NDF: 6164.9/30

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.154+/-0.042 χ^2/NDF: 5329.5/35

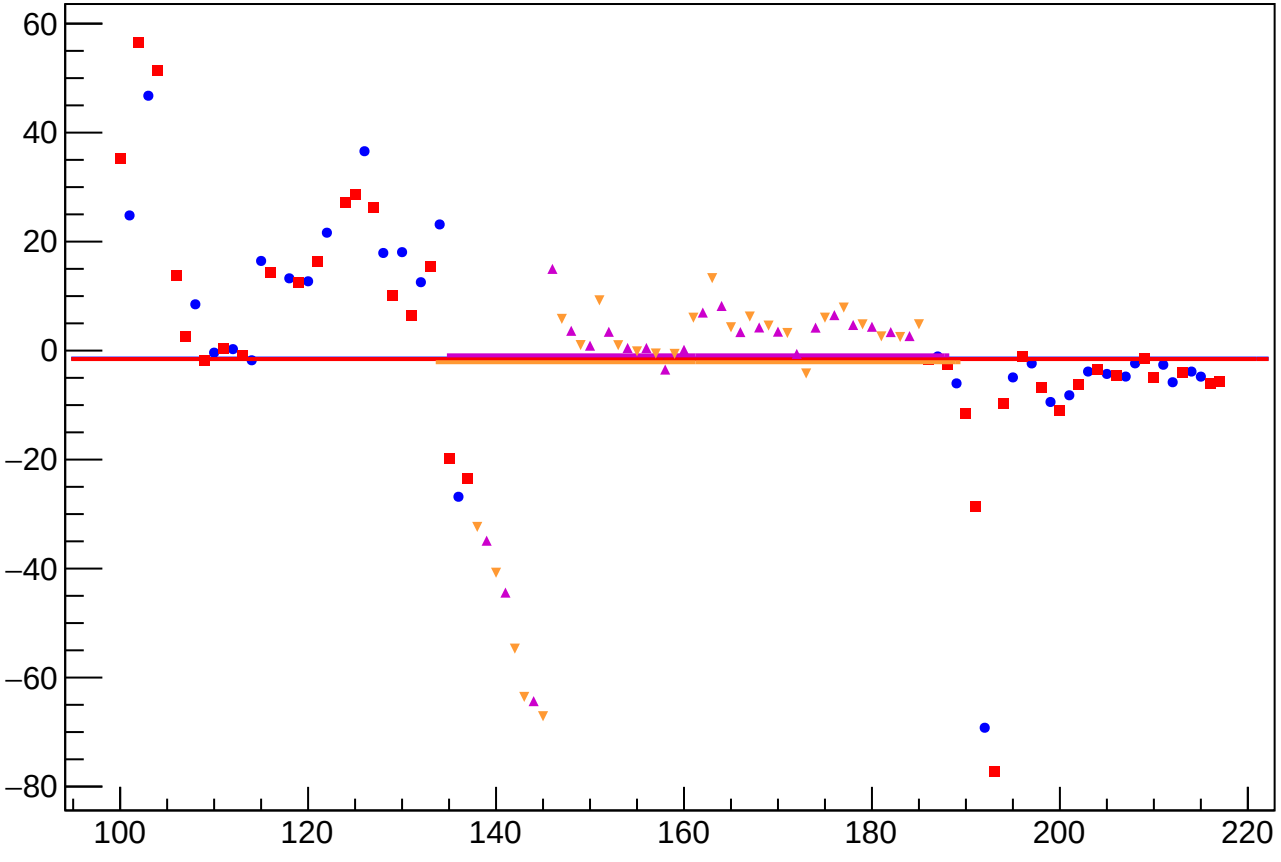
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.340+/-0.026 χ^2/NDF: 13234.9/55

All: 0.304+/-0.018 χ^2/NDF: 25674.3/114

- sign 0.271+/-0.025 χ^2/NDF: 12435.9/58

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.466+/-0.036 χ^2/NDF: 120325.5/30

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.553+/-0.034 χ^2/NDF: 121368.8/35

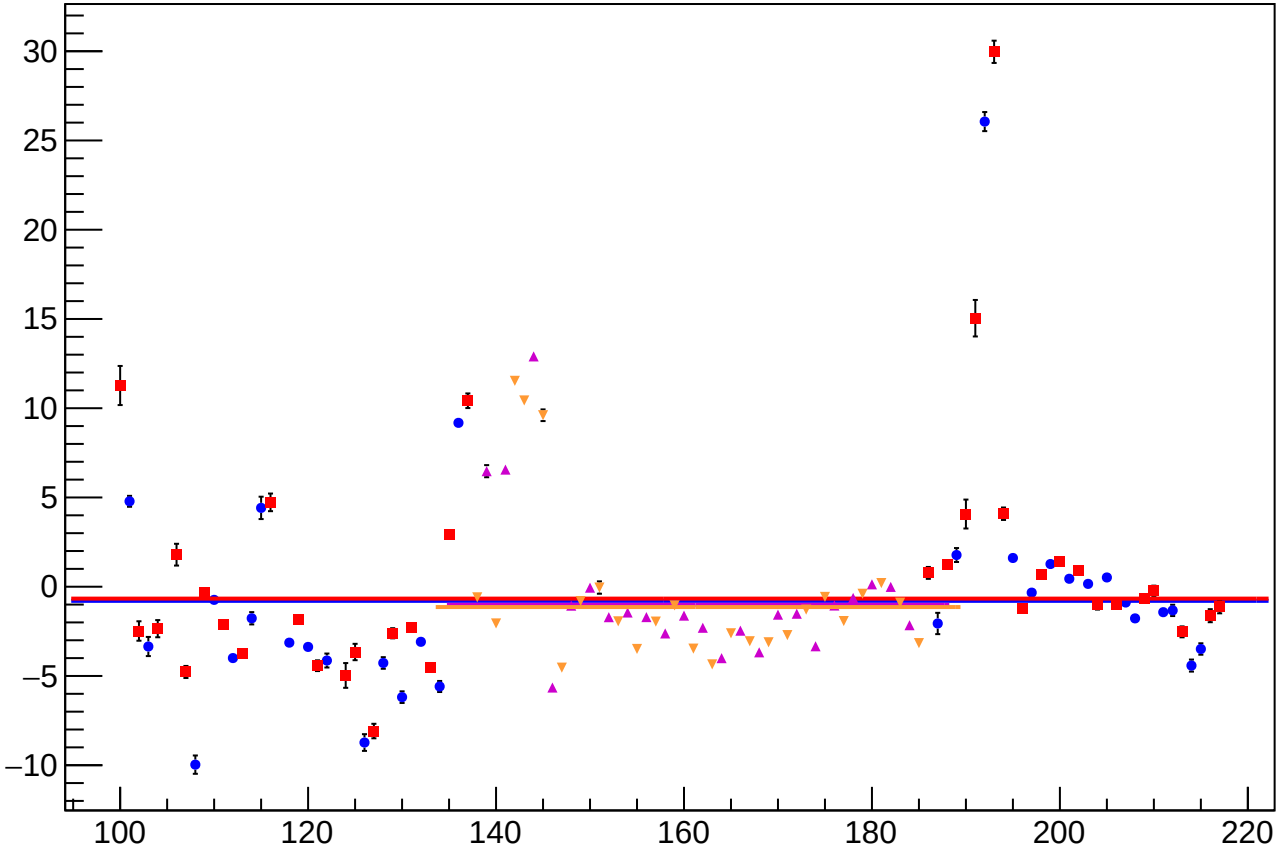
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.765+/-0.027 χ^2/NDF: 291943.5/55

All: -1.502+/-0.019 χ^2/NDF: 542929.4/114

- sign -1.267+/-0.026 χ^2/NDF: 250806.0/58

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.792+/-0.051 χ^2/NDF: 7664.9/30

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

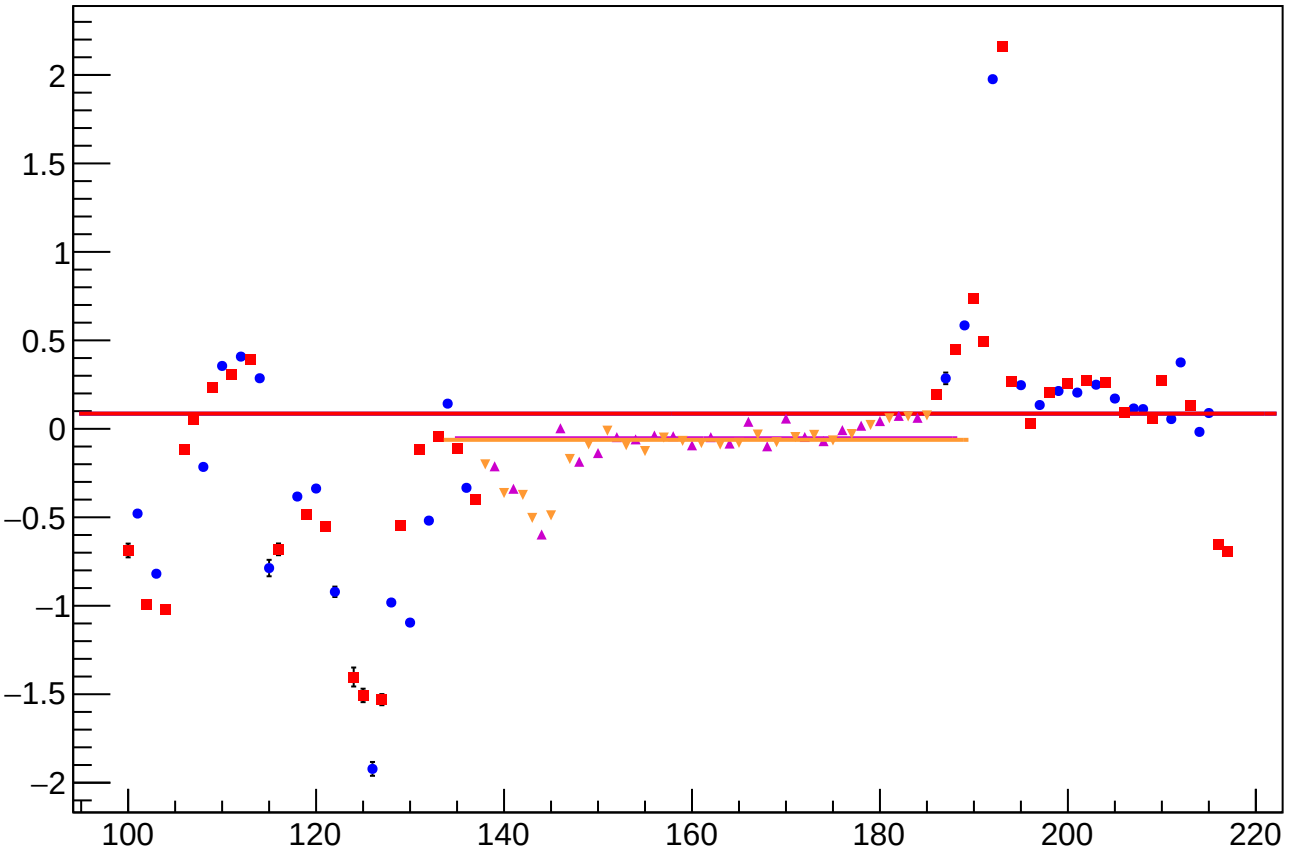
Right Out: -0.666+/-0.048 χ^2/NDF: 5820.3/35

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.022+/-0.030 χ^2/NDF: 14718.8/55

All: -0.956+/-0.020 χ^2/NDF: 27609.7/114

- sign -0.895+/-0.028 χ^2/NDF: 12881.2/58



Right In: 0.086+/-0.002 χ^2/NDF: 34720.3/30

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.086+/-0.002 χ^2/NDF: 37772.6/35

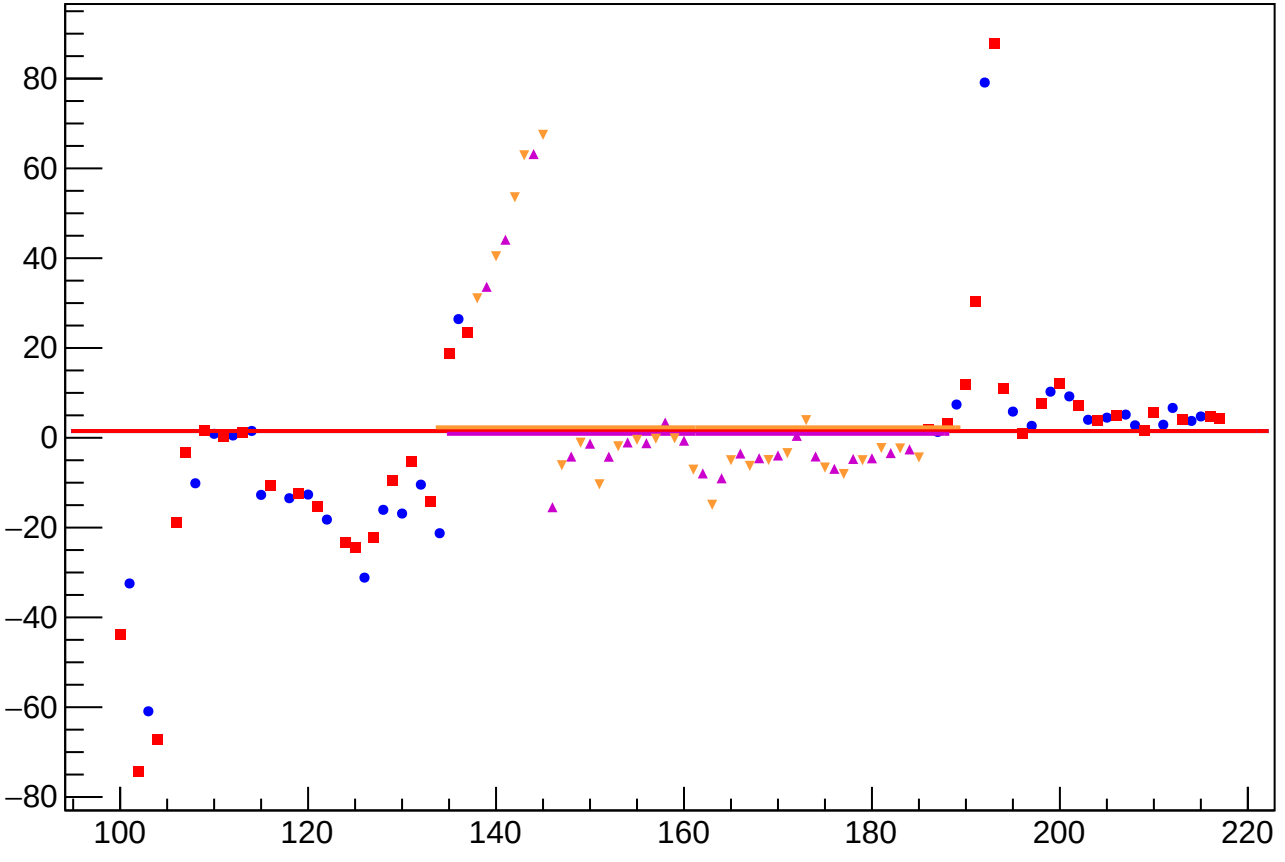
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.014+/-0.001 χ^2/NDF: 43286.4/55

All: -0.012+/-0.001 χ^2/NDF: 88758.9/114

- sign -0.010+/-0.001 χ^2/NDF: 45467.7/58

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.498+/-0.035 χ^2/NDF: 120178.4/30

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.505+/-0.032 χ^2/NDF: 121400.2/35

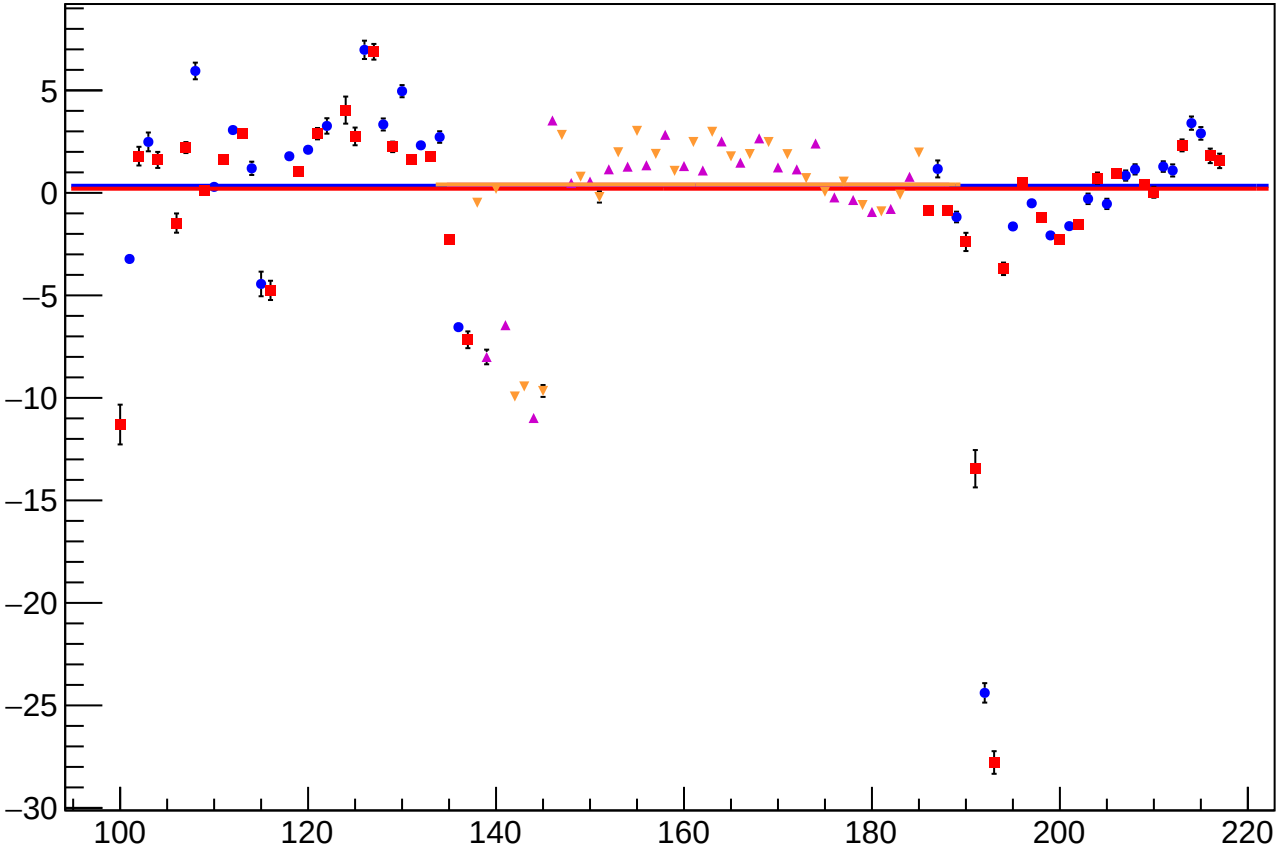
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.852+/-0.027 χ^2/NDF: 295060.8/55

All: 1.542+/-0.018 χ^2/NDF: 547271.5/114

- sign 1.268+/-0.025 χ^2/NDF: 251959.1/58

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.346+/-0.045 χ^2/NDF: 6001.4/30

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.203+/-0.043 χ^2/NDF: 5152.0/35

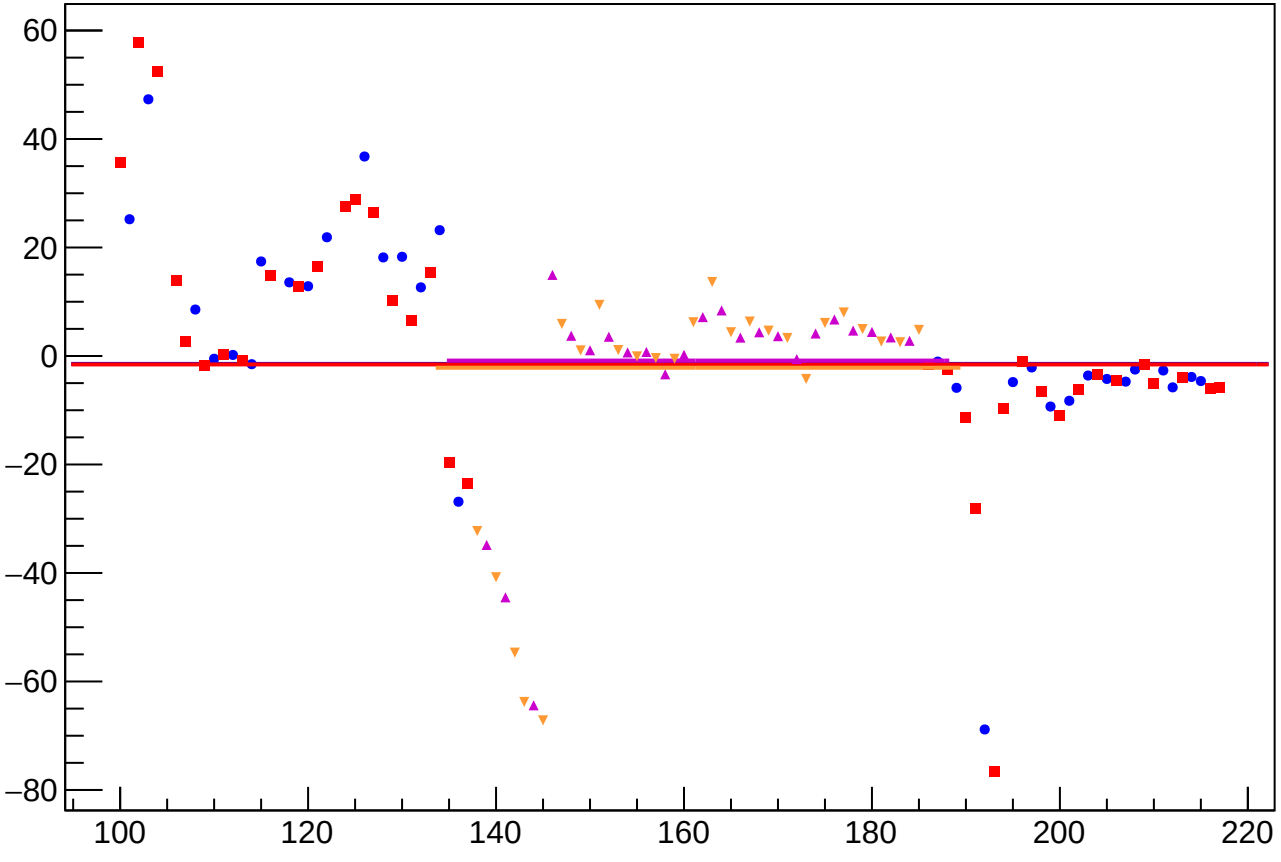
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.387+/-0.027 χ^2/NDF: 13050.5/55

All: 0.355+/-0.019 χ^2/NDF: 25150.2/114

- sign 0.327+/-0.026 χ^2/NDF: 12097.0/58

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.461+/-0.037 χ^2/NDF: 118475.4/30

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.555+/-0.034 χ^2/NDF: 119724.3/35

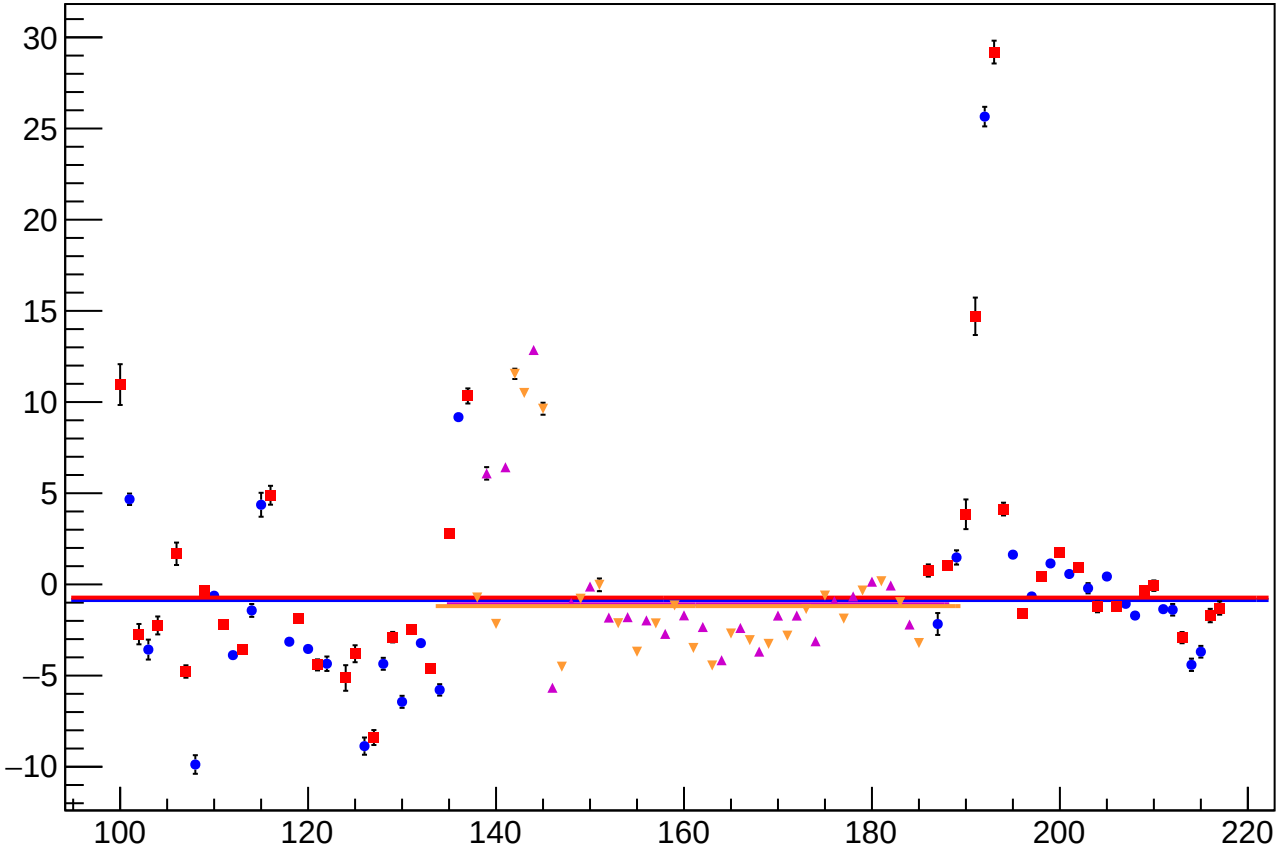
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.773+/-0.027 χ^2/NDF: 287628.4/55

All: -1.502+/-0.019 χ^2/NDF: 534857.8/114

- sign -1.259+/-0.026 χ^2/NDF: 247043.4/58

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.857+/-0.052 χ^2/NDF: 7499.5/30

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

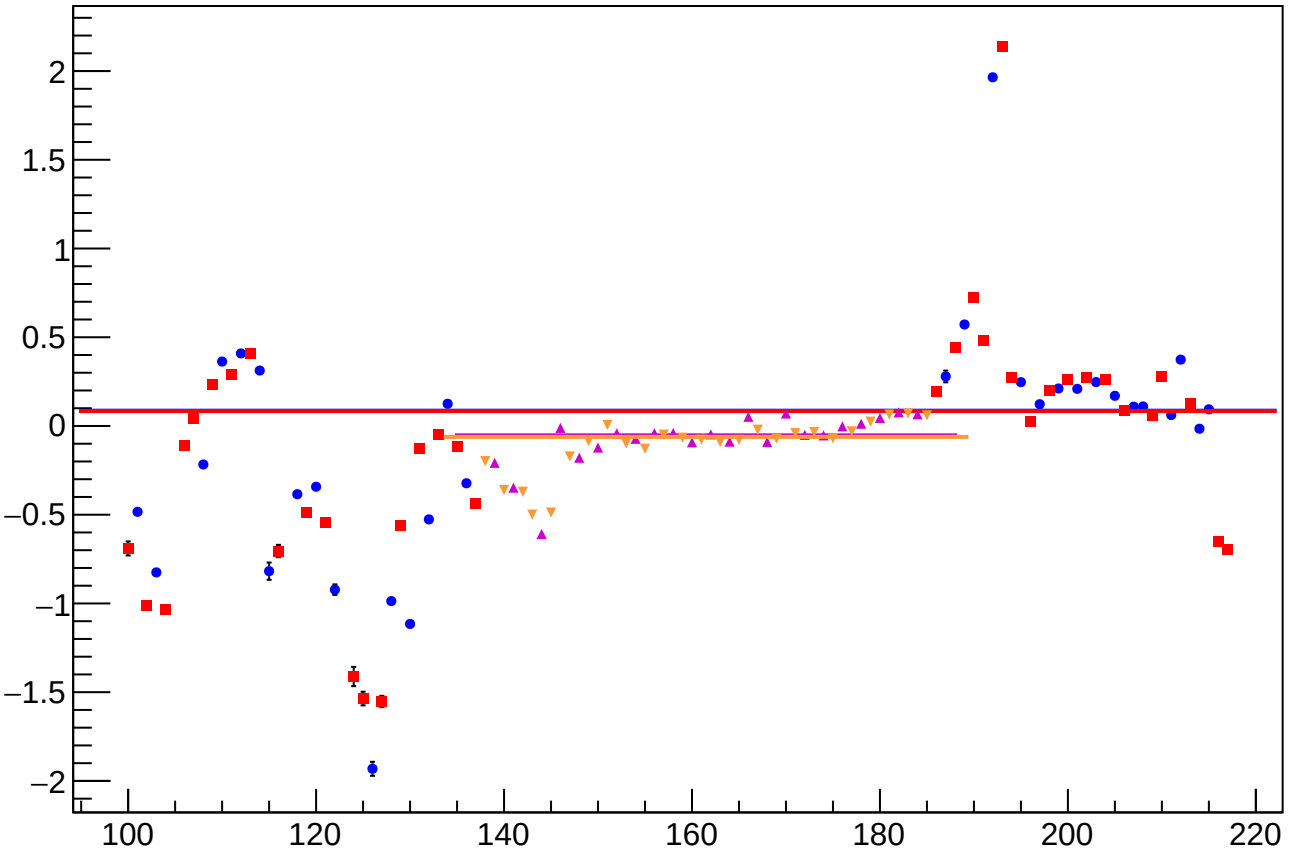
Right Out: -0.724+/-0.049 χ^2/NDF: 5654.0/35

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.077+/-0.030 χ^2/NDF: 14523.0/55

All: -1.018+/-0.021 χ^2/NDF: 27061.4/114

- sign -0.964+/-0.029 χ^2/NDF: 12531.0/58



Right In: 0.086+/-0.002 χ^2/NDF: 33980.1/30

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.084+/-0.002 χ^2/NDF: 37293.2/35

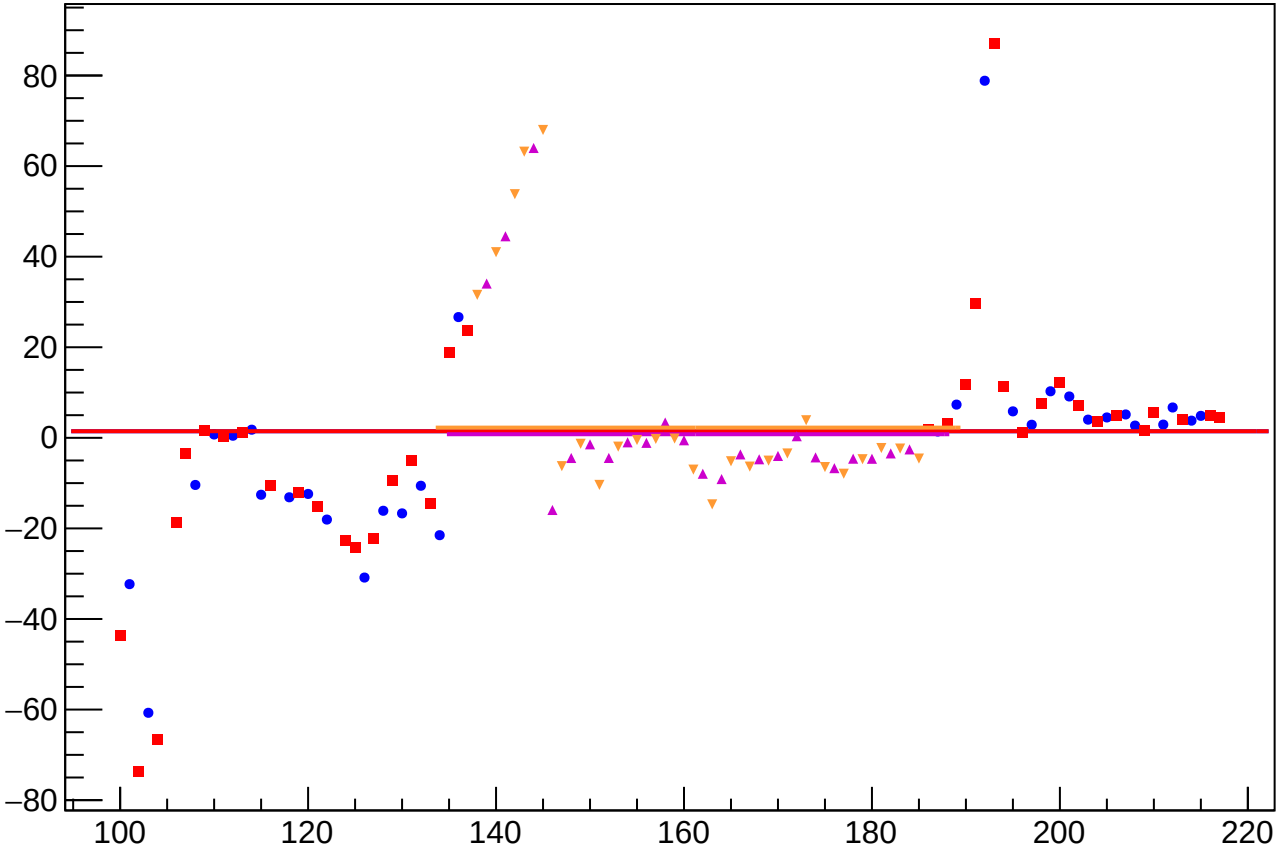
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.013+/-0.001 χ^2/NDF: 42300.9/55

All: -0.011+/-0.001 χ^2/NDF: 87165.6/114

- sign -0.010+/-0.001 χ^2/NDF: 44861.6/58

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.449+/-0.036 χ^2/NDF: 118558.0/30

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.460+/-0.033 χ^2/NDF: 119291.3/35

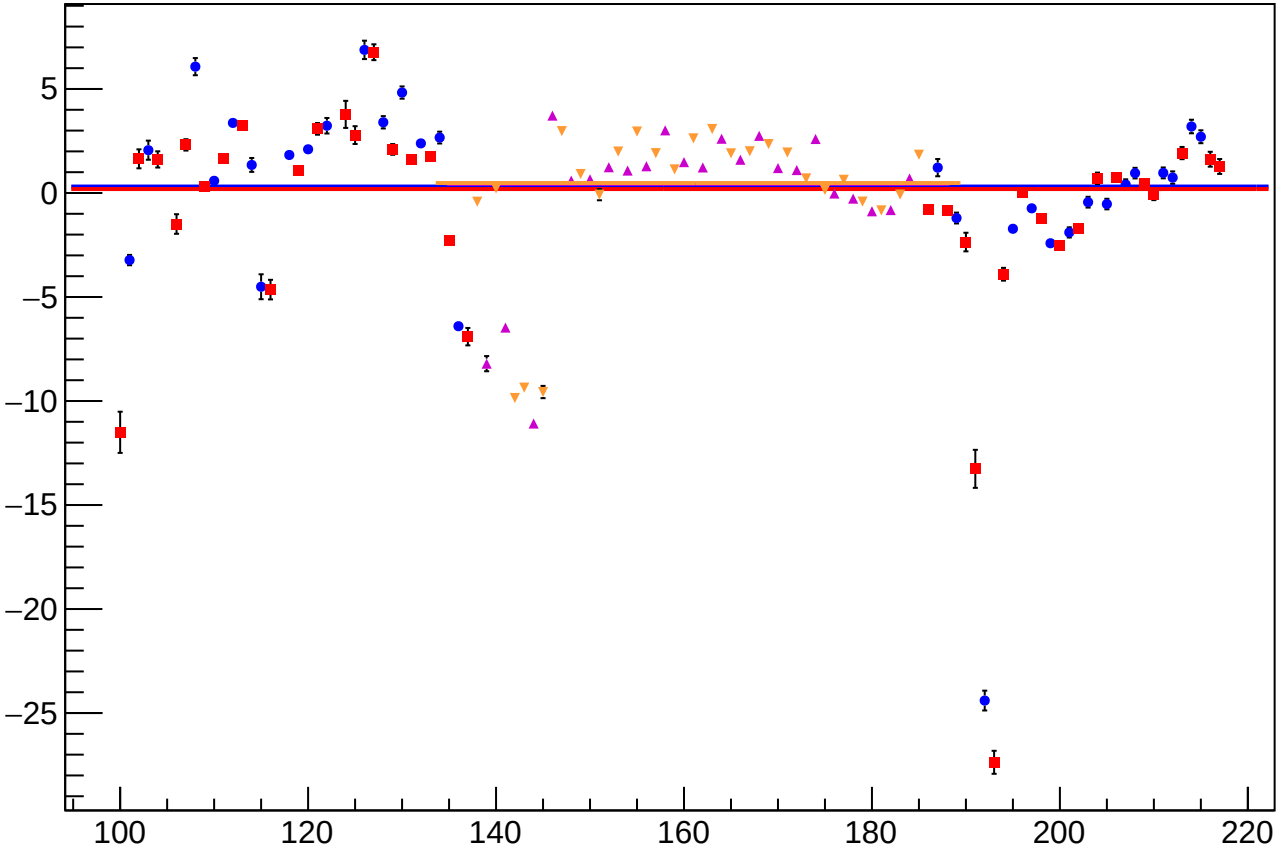
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.794+/-0.027 χ^2/NDF: 290445.0/55

All: 1.480+/-0.019 χ^2/NDF: 538976.8/114

- sign 1.201+/-0.026 χ^2/NDF: 248280.0/58

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.310+/-0.045 χ^2/NDF: 5945.2/30

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.190+/-0.043 χ^2/NDF: 5038.4/35

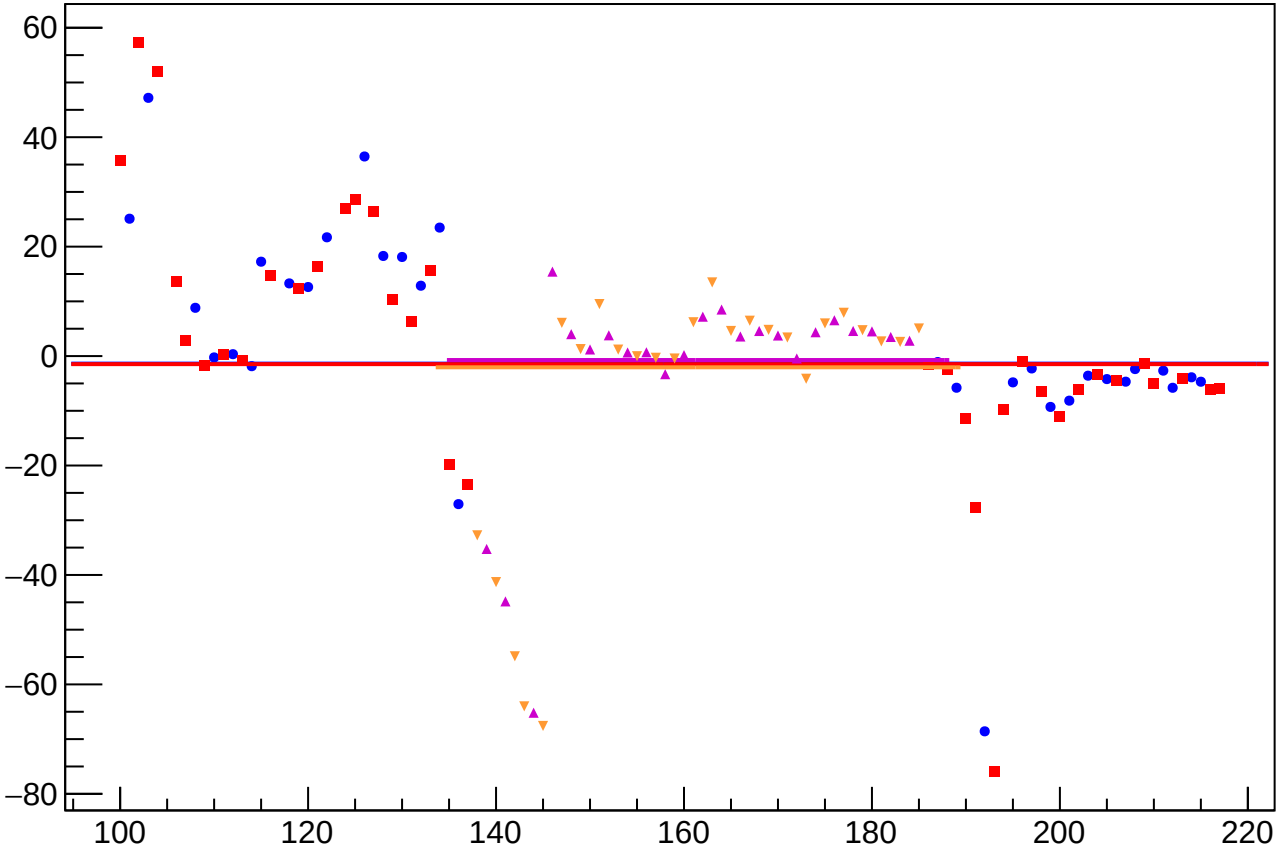
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.418+/-0.027 χ^2/NDF: 12762.2/55

All: 0.382+/-0.019 χ^2/NDF: 24719.2/114

- sign 0.350+/-0.026 χ^2/NDF: 11953.6/58

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.381+/-0.037 χ^2/NDF: 116815.8/30

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.472+/-0.034 χ^2/NDF: 117650.9/35

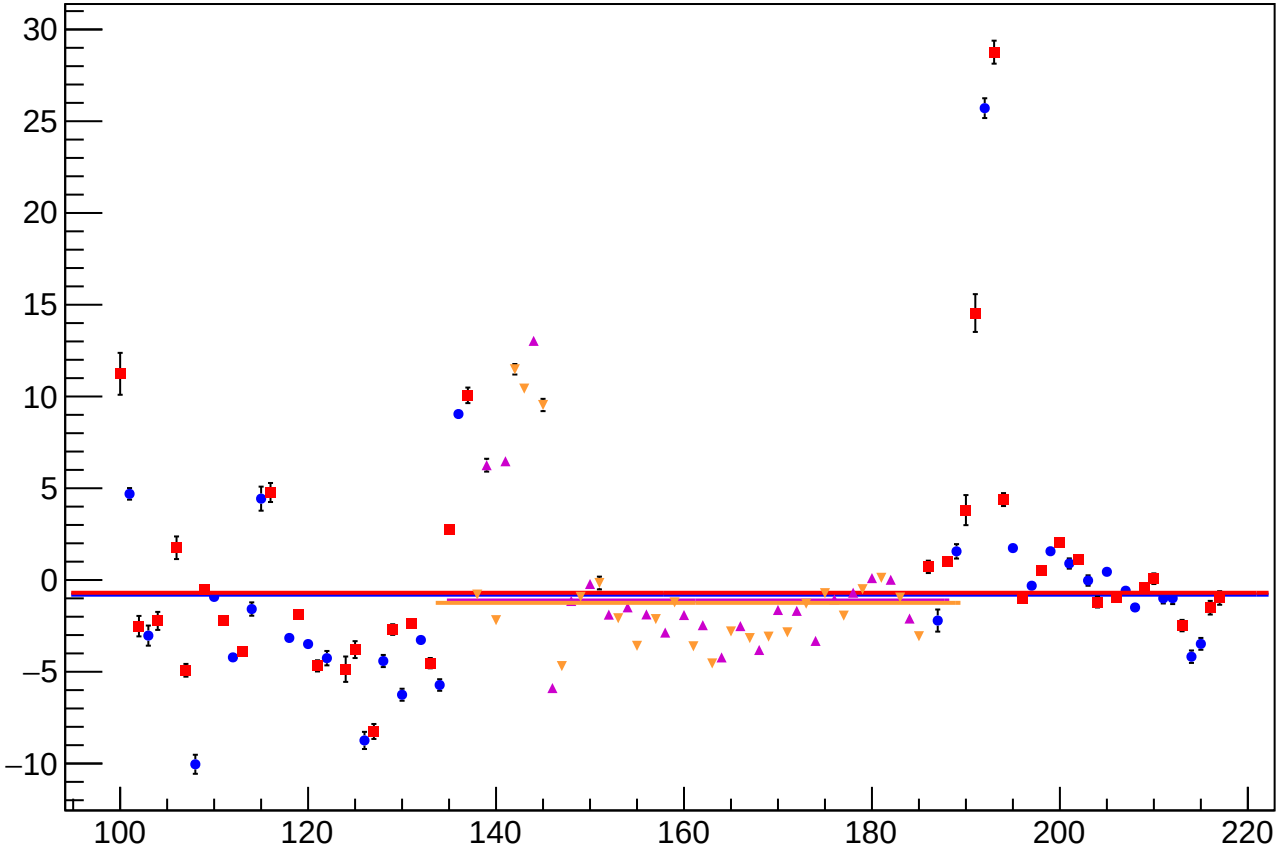
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.679+/-0.028 χ^2/NDF: 282970.7/55

All: -1.404+/-0.019 χ^2/NDF: 526539.6/114

- sign -1.158+/-0.026 χ^2/NDF: 243381.8/58

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.799+/-0.052 χ^2/NDF: 7359.1/30

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

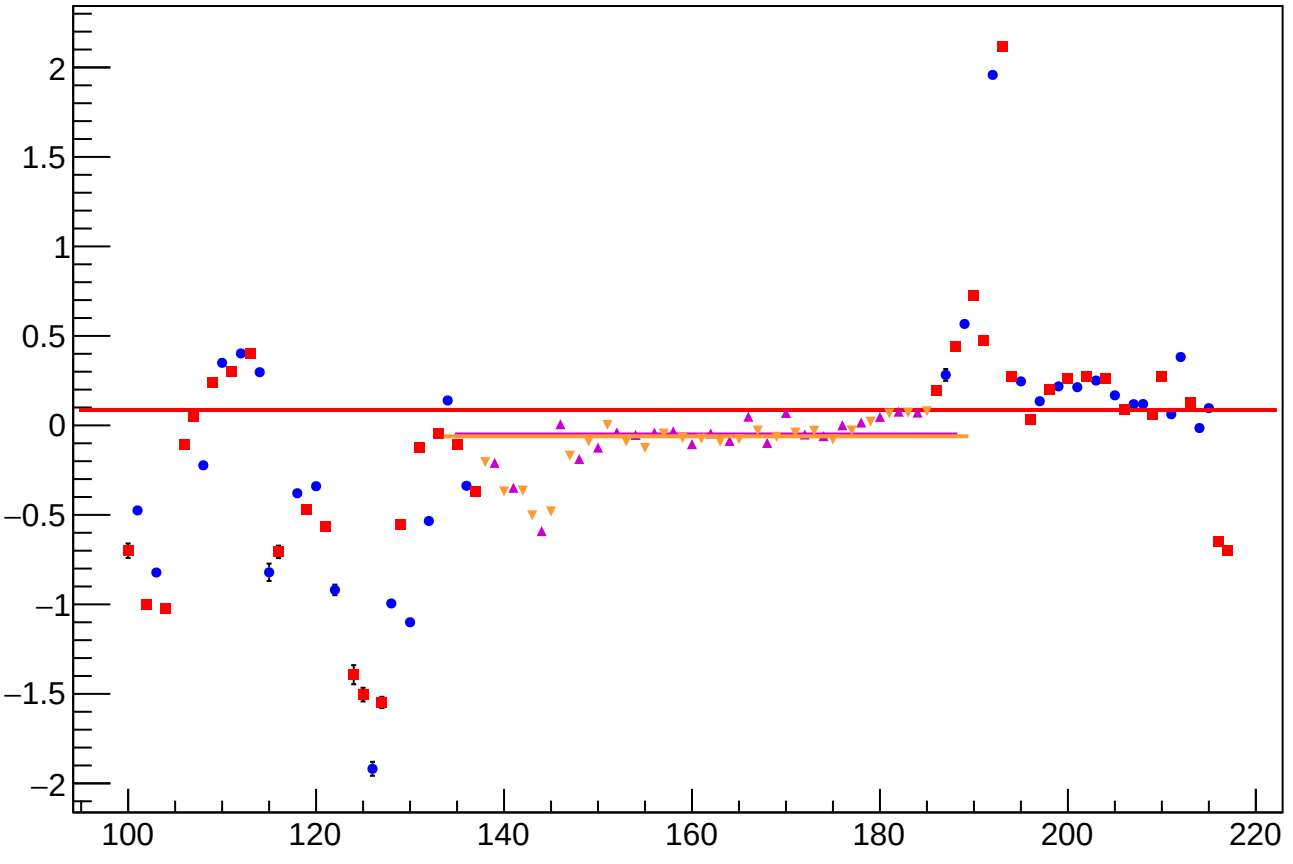
Right Out: -0.695+/-0.050 χ^2/NDF: 5503.0/35

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.093+/-0.030 χ^2/NDF: 14176.0/55

All: -1.031+/-0.021 χ^2/NDF: 26574.7/114

- sign -0.973+/-0.029 χ^2/NDF: 12390.4/58



Right In: 0.086+/-0.002 χ^2/NDF: 33660.9/30

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

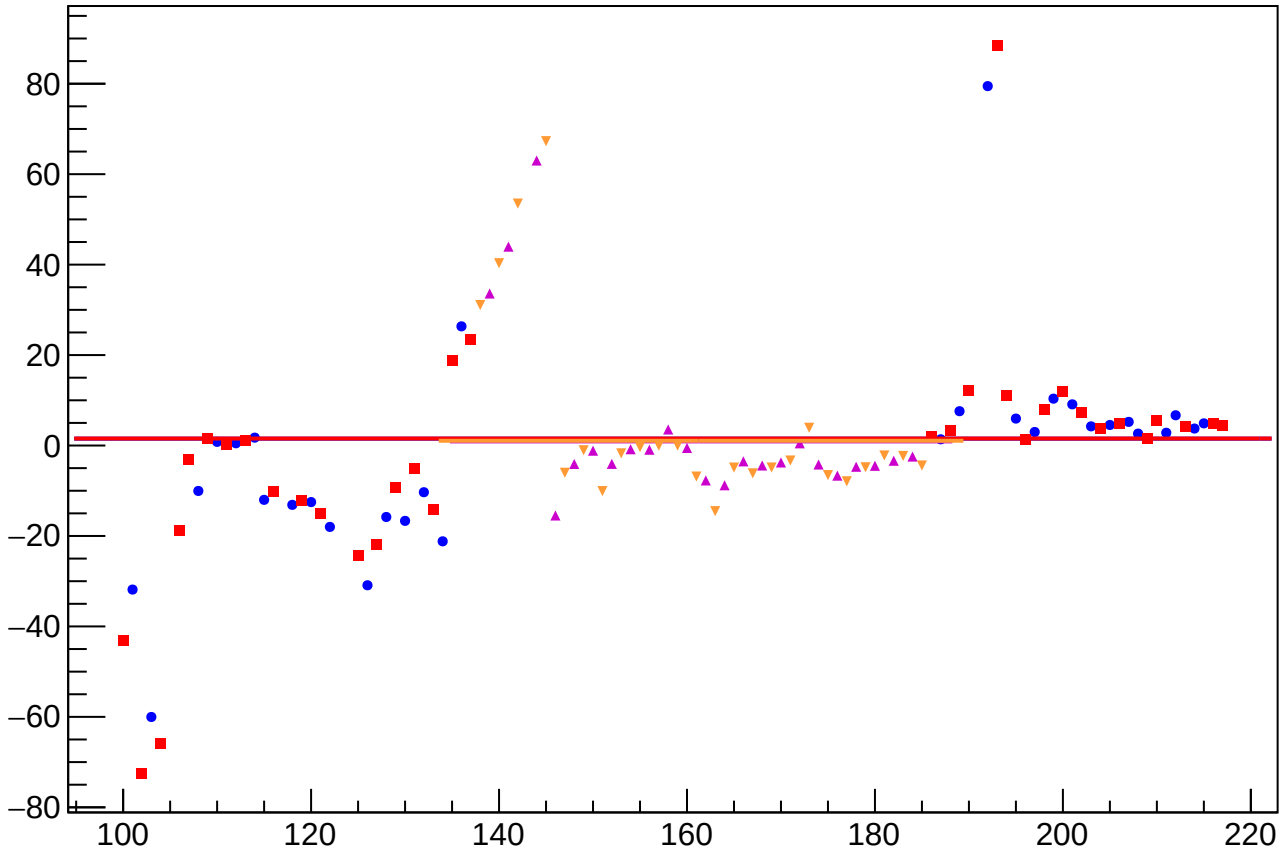
Right Out: 0.086+/-0.002 χ^2/NDF: 36311.8/35

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.013+/-0.001 χ^2/NDF: 41815.8/55

All: -0.010+/-0.001 χ^2/NDF: 85484.8/114

- sign -0.008+/-0.001 χ^2/NDF: 43662.4/58



Right In: 1.517+/-0.035 χ^2/NDF: 122288.1/30

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

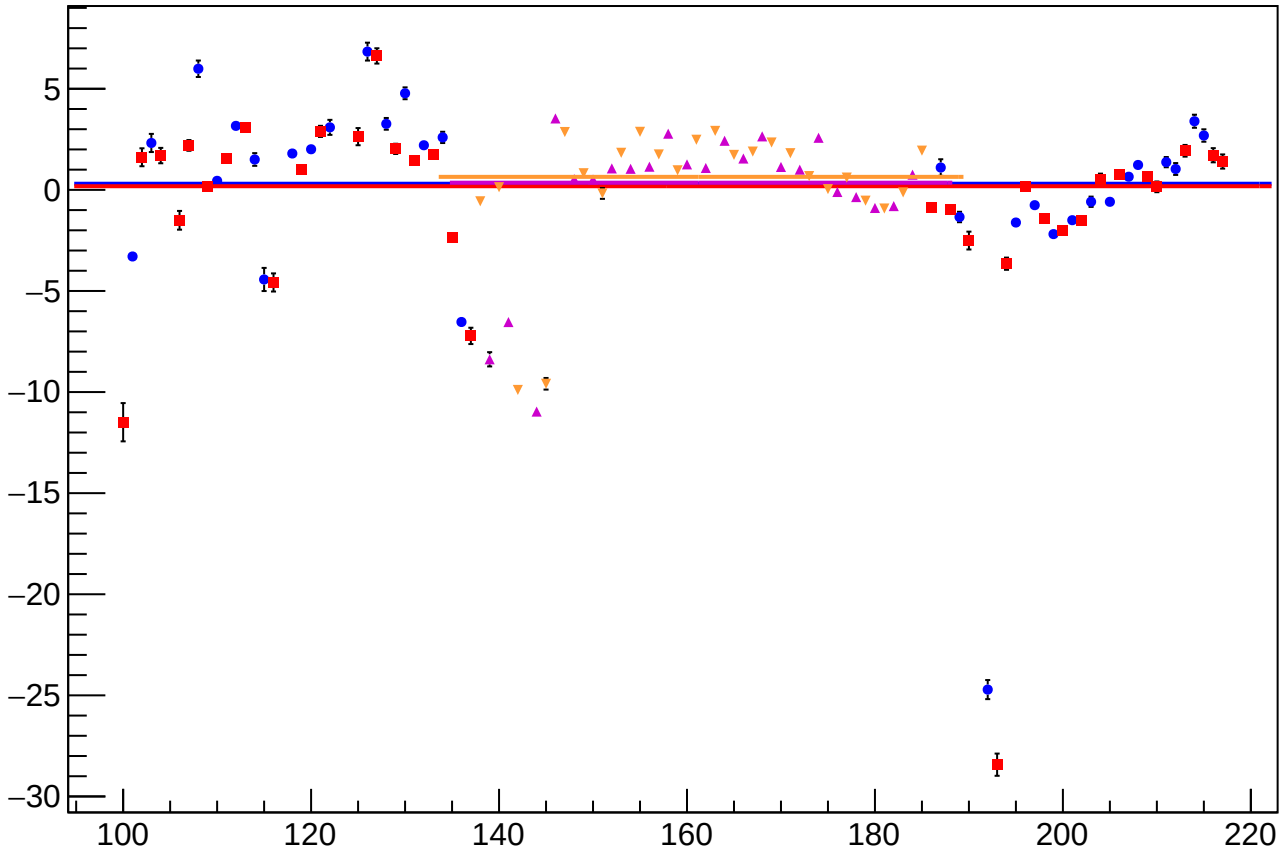
Right Out: 1.547+/-0.032 χ^2/NDF: 120328.8/33

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.320+/-0.026 χ^2/NDF: 253394.0/54

All: 1.310+/-0.018 χ^2/NDF: 506686.4/111

- sign 1.302+/-0.025 χ^2/NDF: 253292.1/56



Right In: 0.304+/-0.044 χ^2/NDF: 6178.9/30

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

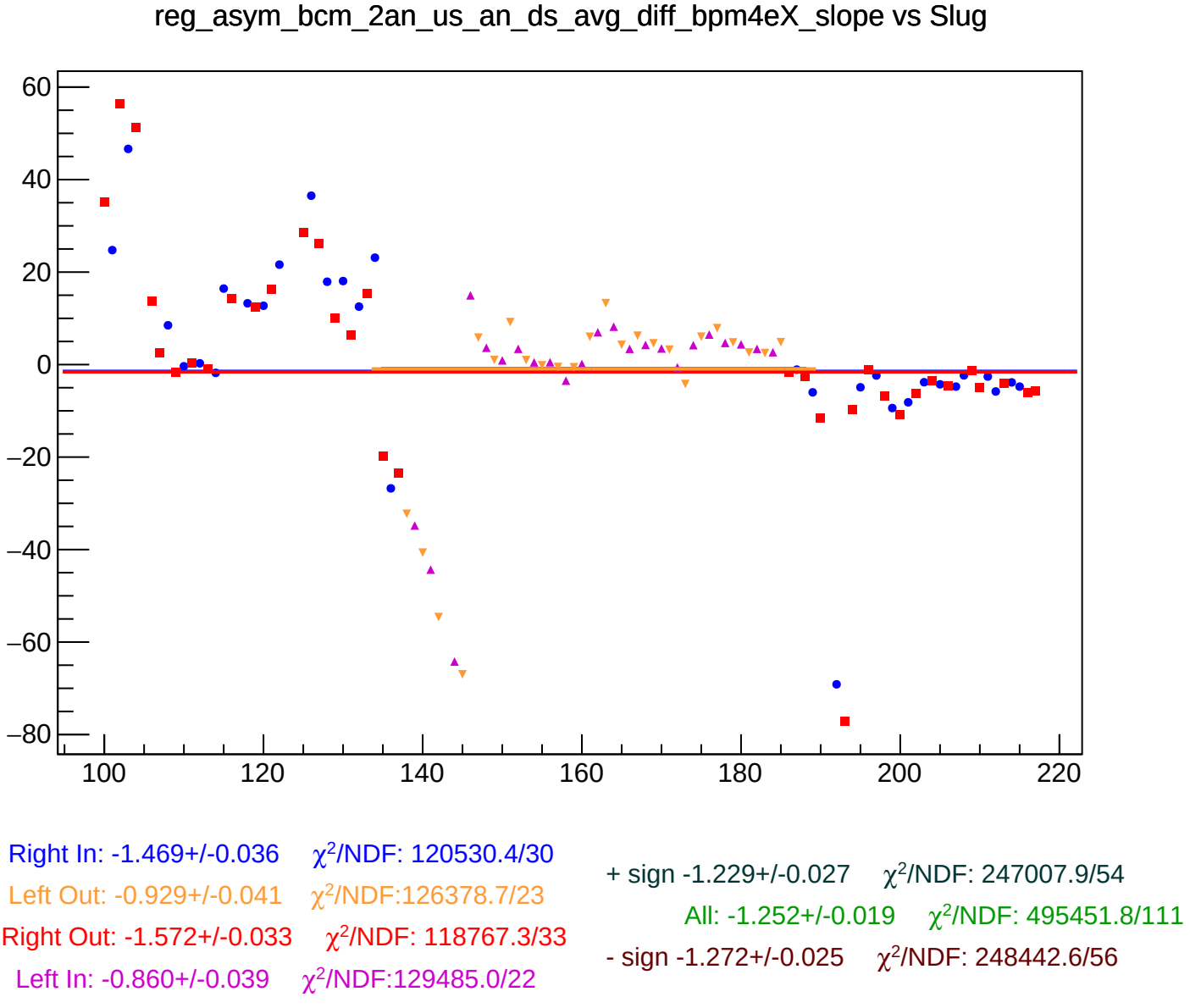
Right Out: 0.180+/-0.042 χ^2/NDF: 5069.7/33

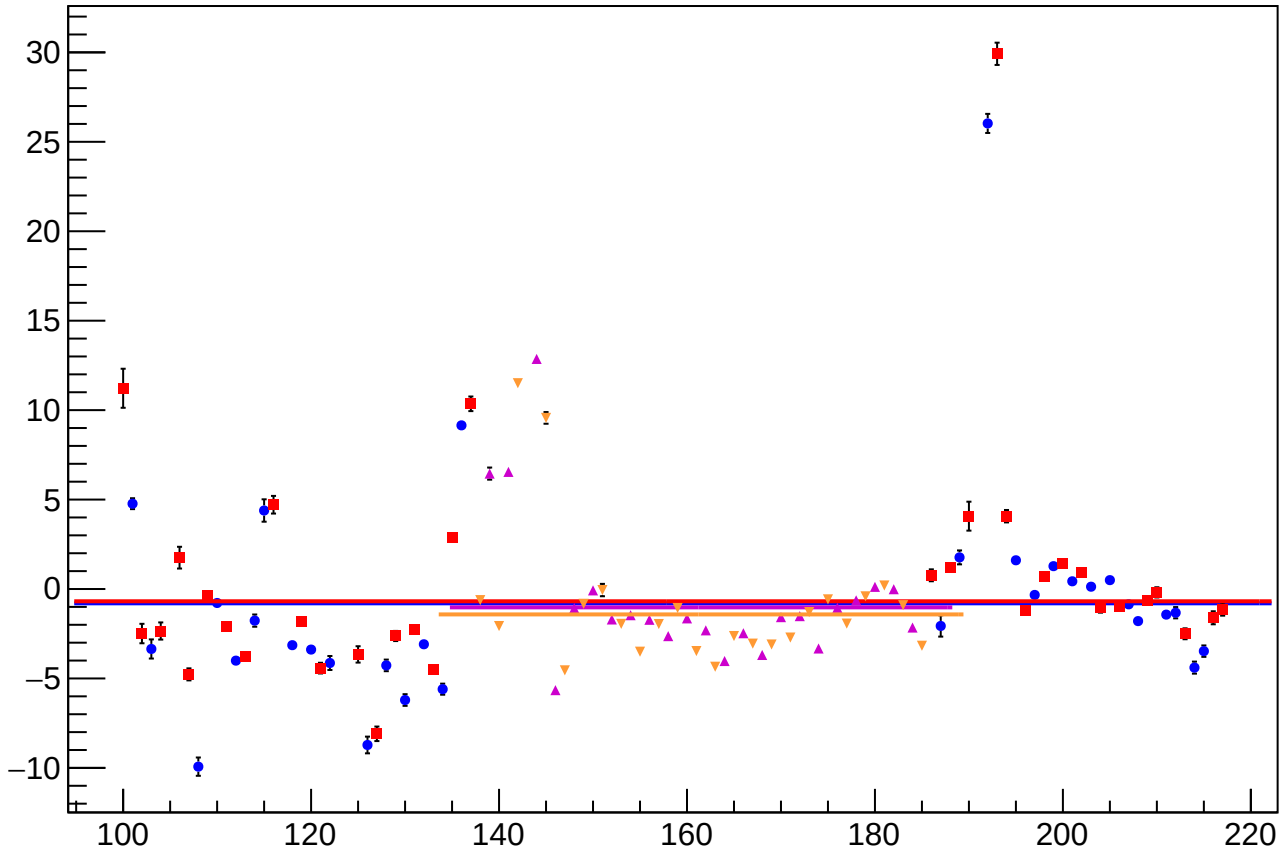
Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.521+/-0.027 χ^2/NDF: 10927.8/54

All: 0.401+/-0.018 χ^2/NDF: 23164.6/111

- sign 0.293+/-0.025 χ^2/NDF: 12197.9/56


reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug
60
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
220
Right In: -1.469+/-0.036 χ²/NDF: 120530.4/30
Left Out: -0.929+/-0.041 χ²/NDF:126378.7/23
Right Out: -1.572+/-0.033 χ²/NDF: 118767.3/33
Left In: -0.860+/-0.039 χ²/NDF:129485.0/22
+ sign -1.229+/-0.027 χ²/NDF: 247007.9/54
All: -1.252+/-0.019 χ²/NDF: 495451.8/111
- sign -1.272+/-0.025 χ²/NDF: 248442.6/56



Right In: -0.800+/-0.051 χ^2/NDF: 7680.2/30

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

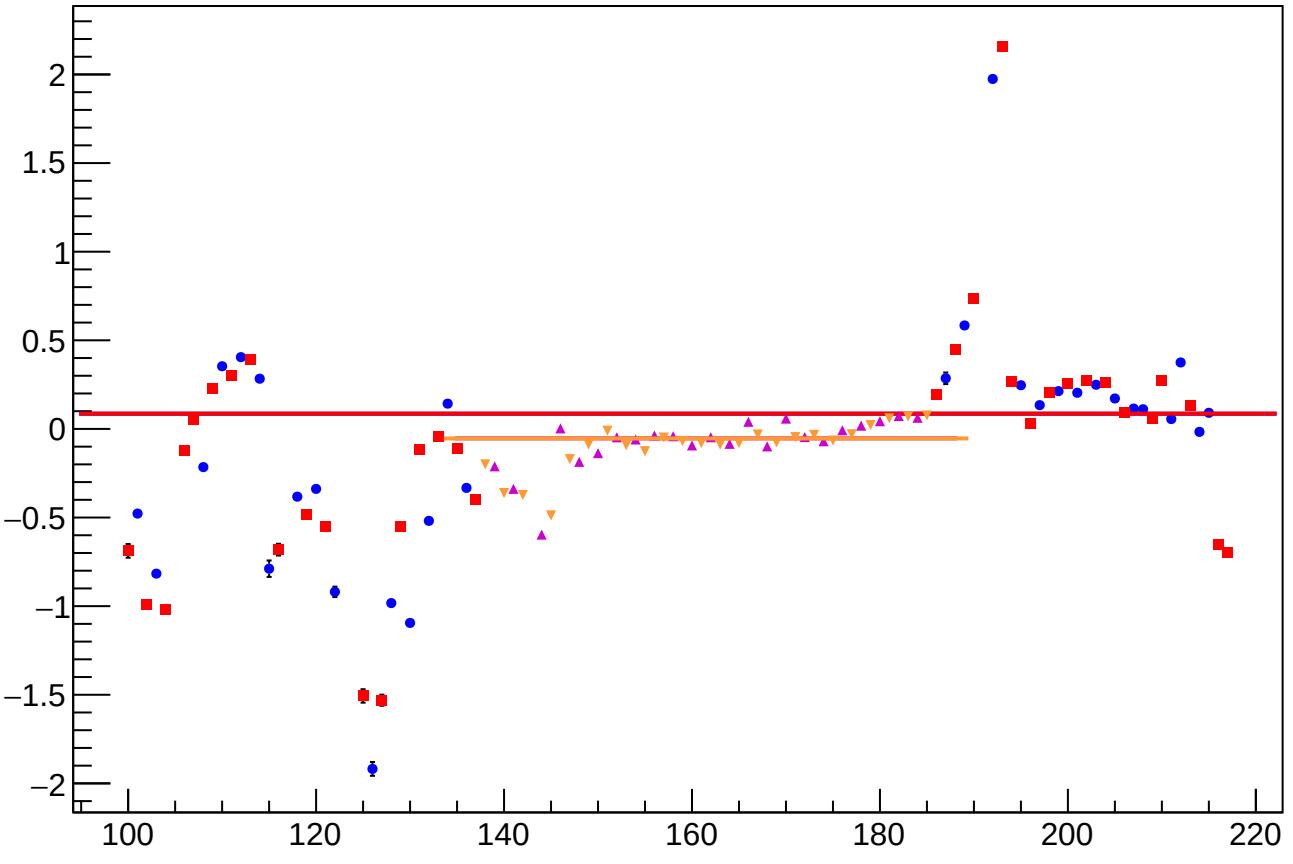
Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/33

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.207+/-0.030 χ^2/NDF: 12420.6/54

All: -1.051+/-0.020 χ^2/NDF: 25106.1/111

- sign -0.910+/-0.028 χ^2/NDF: 12633.0/56



Right In: 0.086+/-0.002 χ^2/NDF: 34783.0/30

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

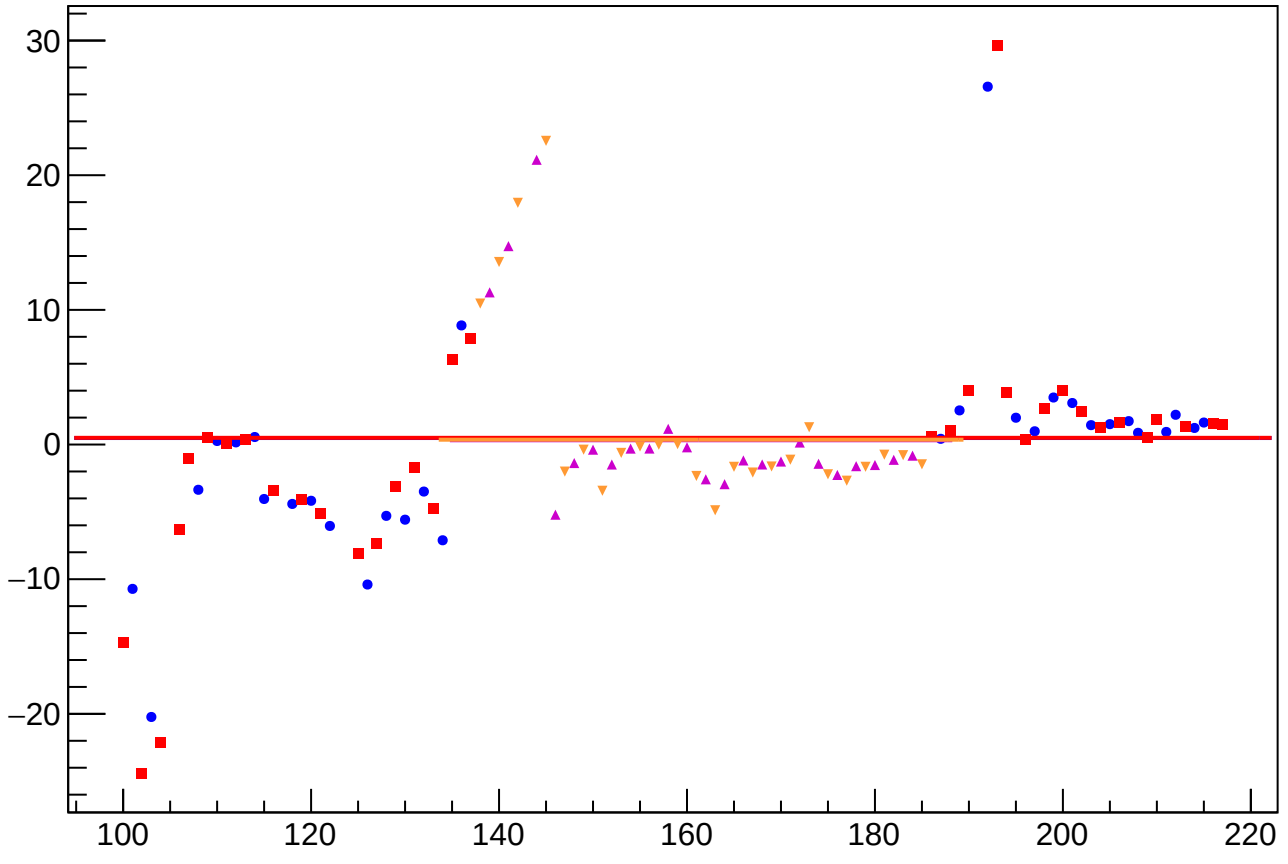
Right Out: 0.086+/-0.002 χ^2/NDF: 36879.8/33

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.008+/-0.001 χ^2/NDF: 41652.8/54

All: -0.009+/-0.001 χ^2/NDF: 86254.8/111

- sign -0.010+/-0.001 χ^2/NDF: 44600.1/56



Right In: 0.484+/-0.012 χ^2/NDF: 120168.5/30

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

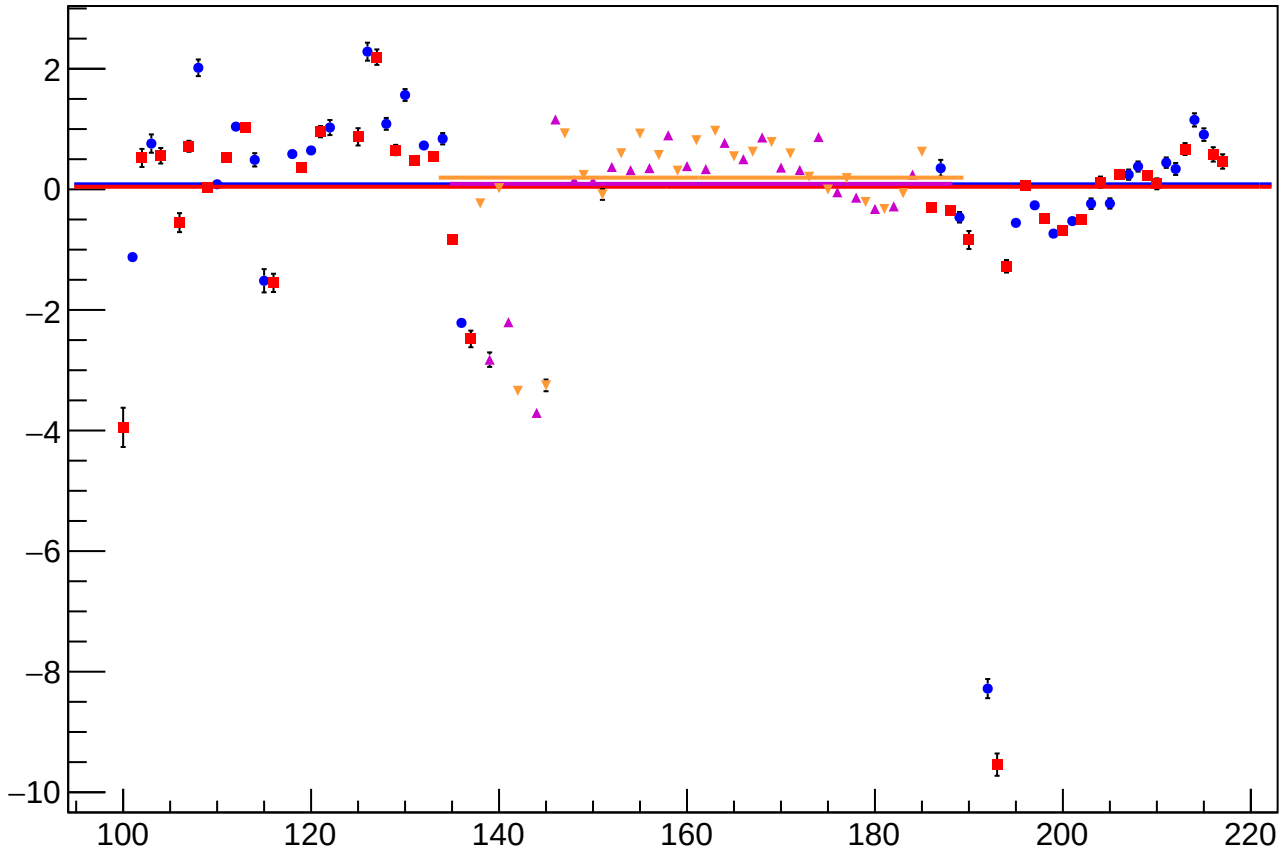
Right Out: 0.498+/-0.011 χ^2/NDF: 118405.4/33

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

+ sign 0.430+/-0.009 χ^2/NDF: 249044.5/54

All: 0.429+/-0.006 χ^2/NDF: 497781.5/111

- sign 0.428+/-0.009 χ^2/NDF: 248736.9/56



Right In: 0.083+/-0.015 χ^2/NDF: 6056.3/30

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

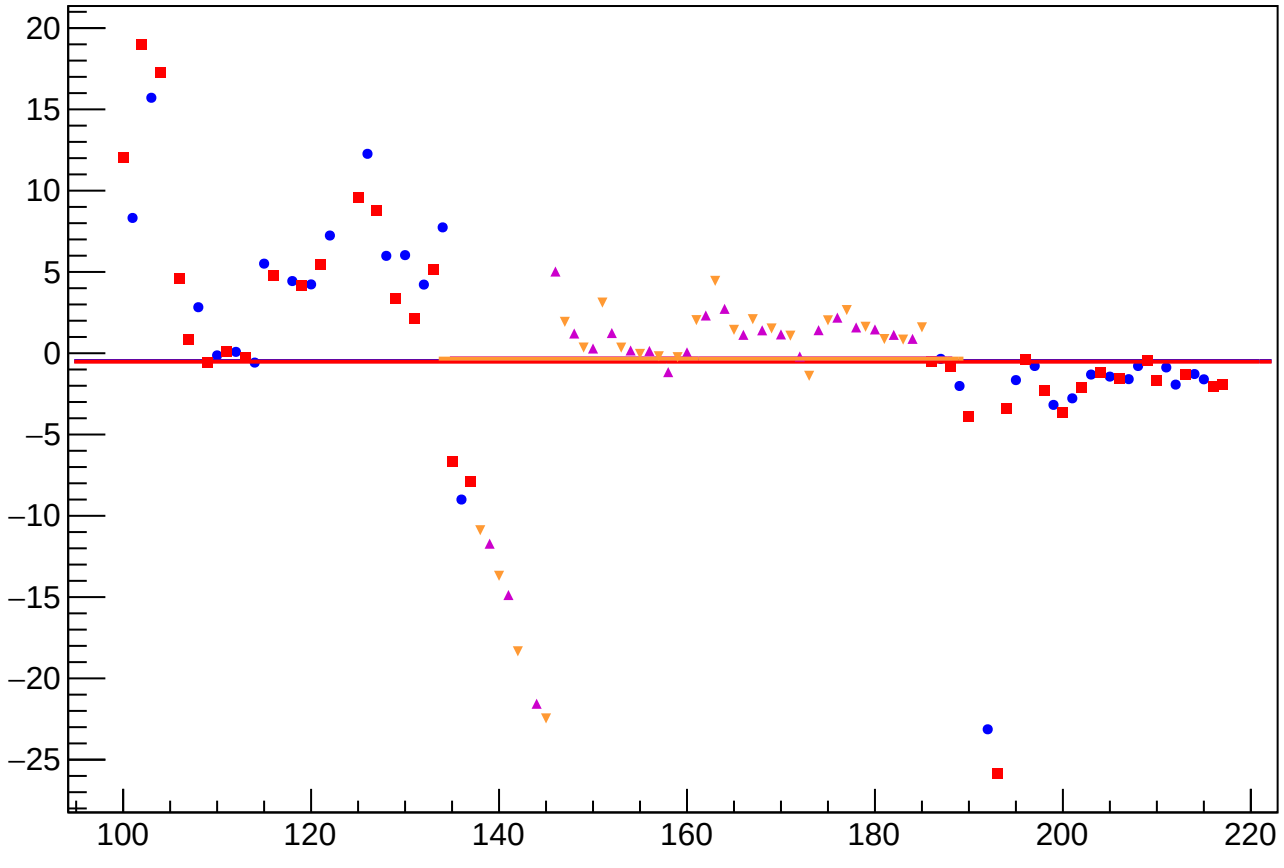
Right Out: 0.043+/-0.014 χ^2/NDF: 4982.5/33

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

\+ sign 0.155+/-0.009 χ^2/NDF: 10735.7/54

All: 0.112+/-0.006 χ^2/NDF: 22703.2/111

\- sign 0.074+/-0.009 χ^2/NDF: 11926.1/56



Right In: -0.480+/-0.012 χ^2/NDF: 118469.5/30

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.517+/-0.011 χ^2/NDF: 116908.1/33

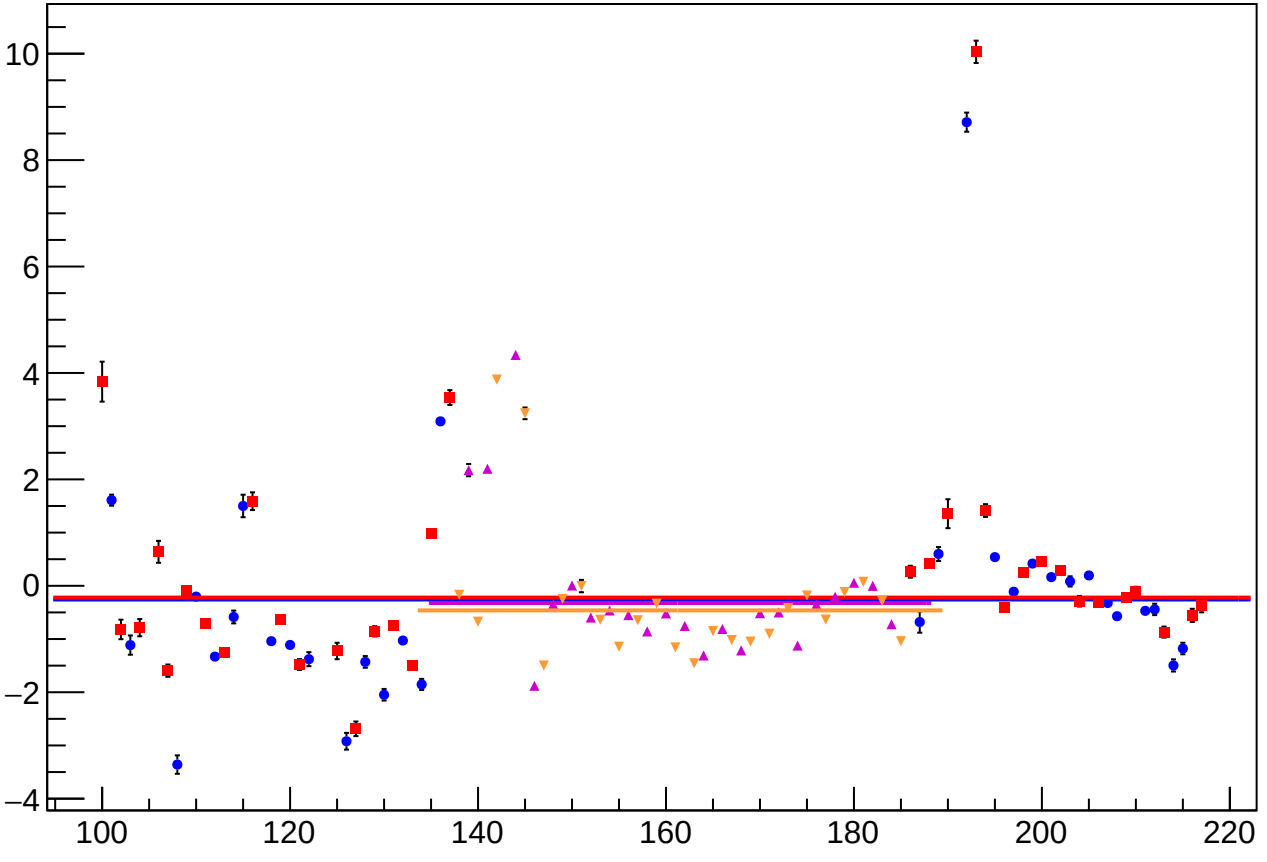
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.415+/-0.009 χ^2/NDF: 242766.3/54

All: -0.424+/-0.006 χ^2/NDF: 486808.2/111

- sign -0.432+/-0.009 χ^2/NDF: 244040.1/56

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.257+/-0.017 χ^2/NDF: 7528.9/30

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

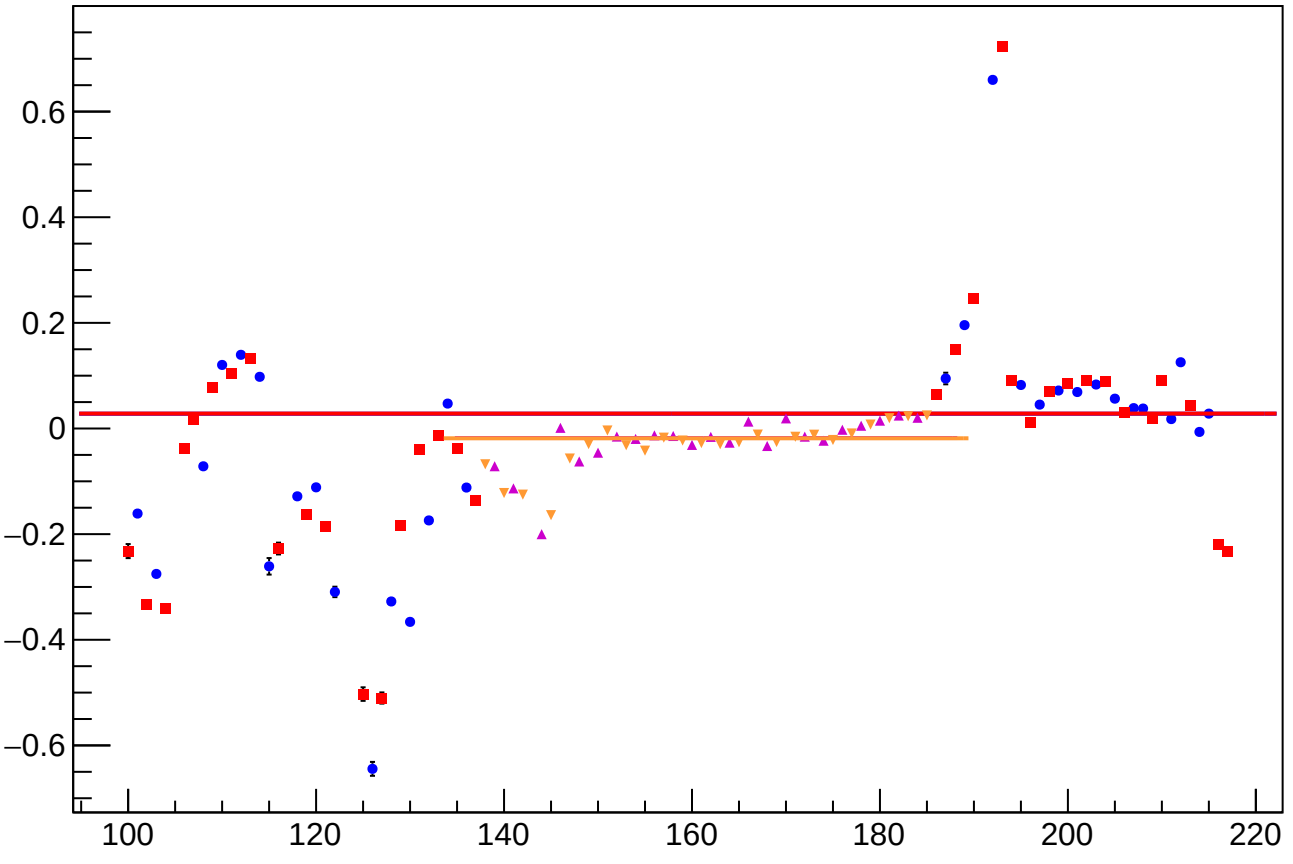
Right Out: -0.221+/-0.017 χ^2/NDF: 5460.4/33

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.392+/-0.010 χ^2/NDF: 12200.5/54

All: -0.338+/-0.007 χ^2/NDF: 24621.2/111

- sign -0.289+/-0.010 χ^2/NDF: 12366.9/56



Right In: 0.028+/-0.001 χ^2/NDF: 34191.1/30

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

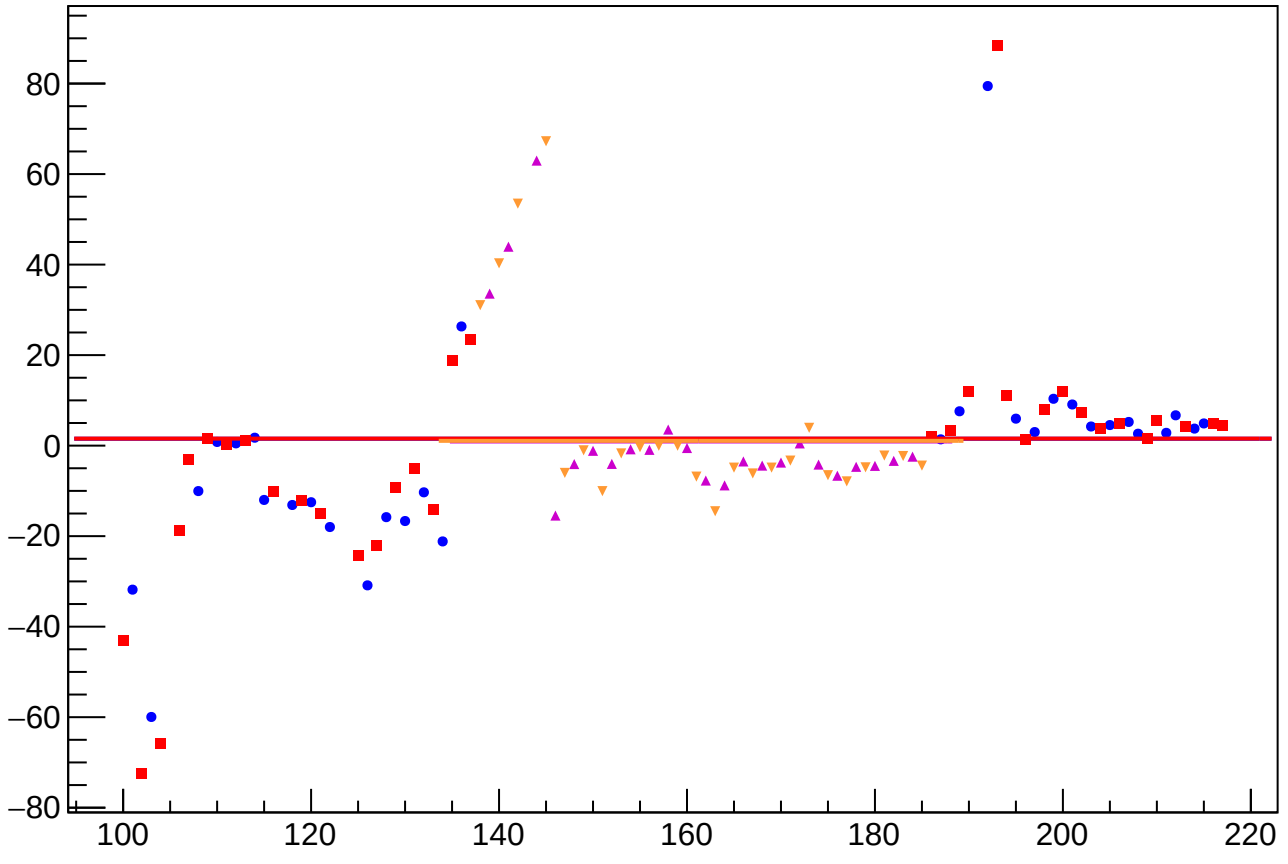
Right Out: 0.028+/-0.001 χ^2/NDF: 36153.5/33

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.003+/-0.000 χ^2/NDF: 40812.1/54

All: -0.003+/-0.000 χ^2/NDF: 84377.2/111

\- sign -0.004+/-0.000 χ^2/NDF: 43564.6/56



Right In: 1.522+/-0.035 χ^2/NDF: 122312.8/30

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

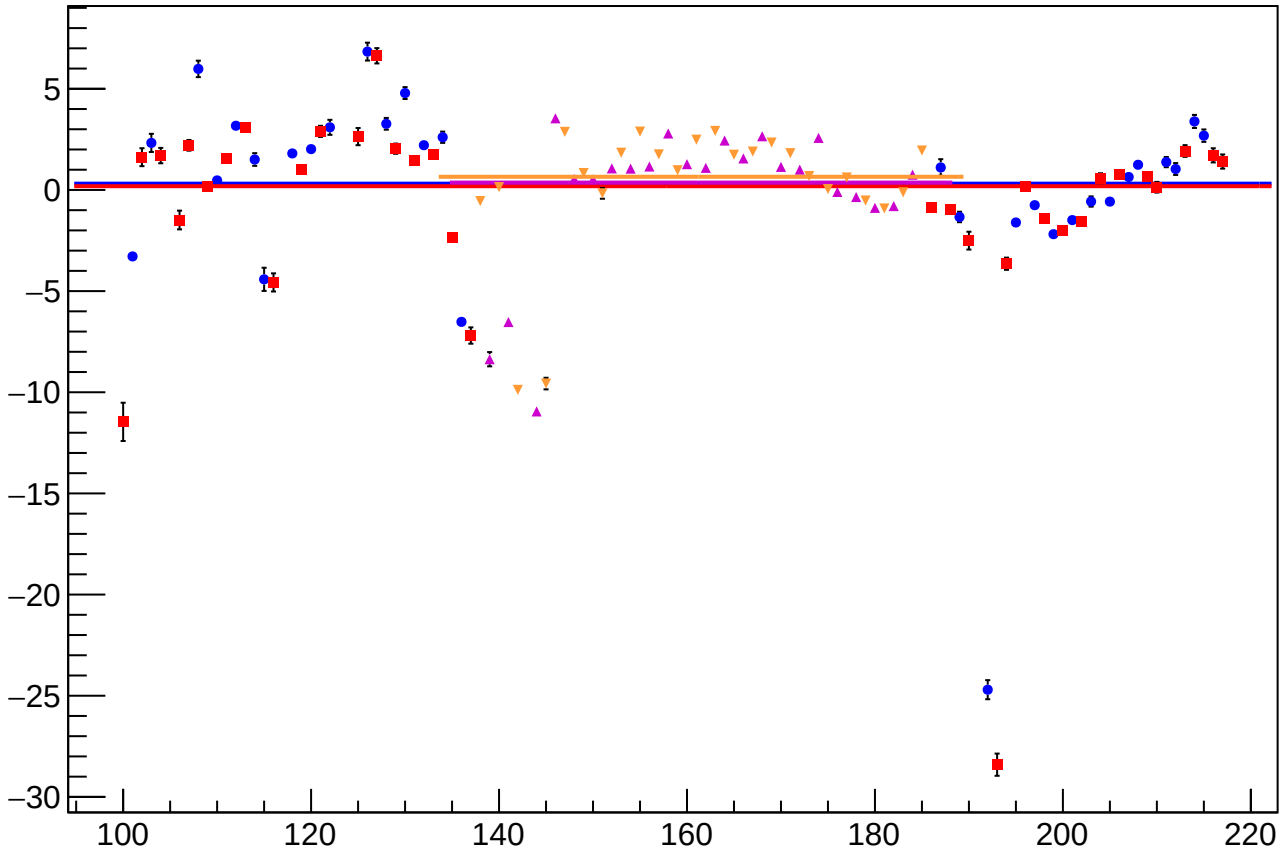
Right Out: 1.552+/-0.032 χ^2/NDF: 120355.6/33

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.325+/-0.026 χ^2/NDF: 253398.8/54

All: 1.315+/-0.018 χ^2/NDF: 506727.9/111

- sign 1.306+/-0.025 χ^2/NDF: 253328.9/56



Right In: 0.311+/-0.044 χ^2/NDF: 6181.4/30

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

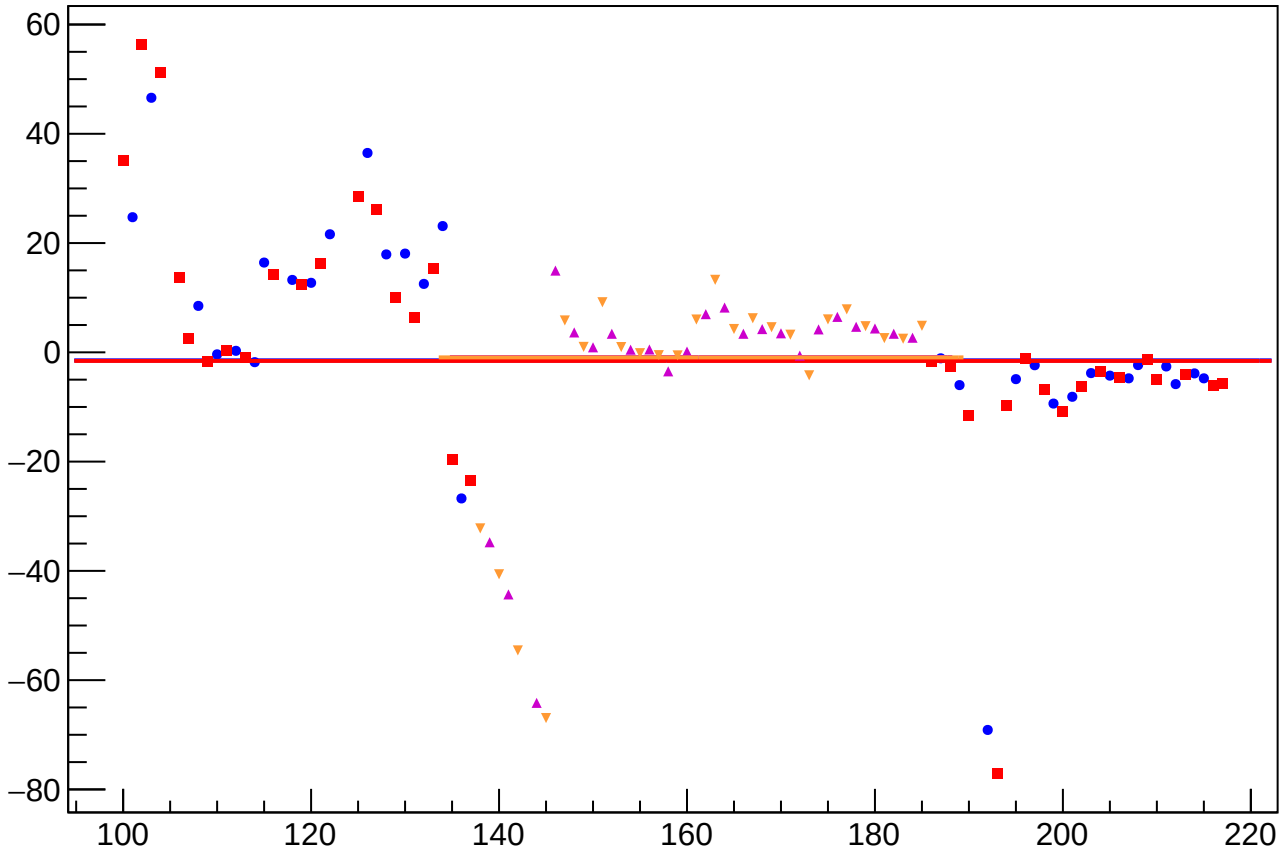
Right Out: 0.186+/-0.042 χ^2/NDF: 5070.5/33

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.529+/-0.027 χ^2/NDF: 10928.2/54

All: 0.408+/-0.018 χ^2/NDF: 23171.7/111

- sign 0.301+/-0.025 χ^2/NDF: 12204.5/56



Right In: -1.469+/-0.036 χ^2/NDF: 120551.3/30

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

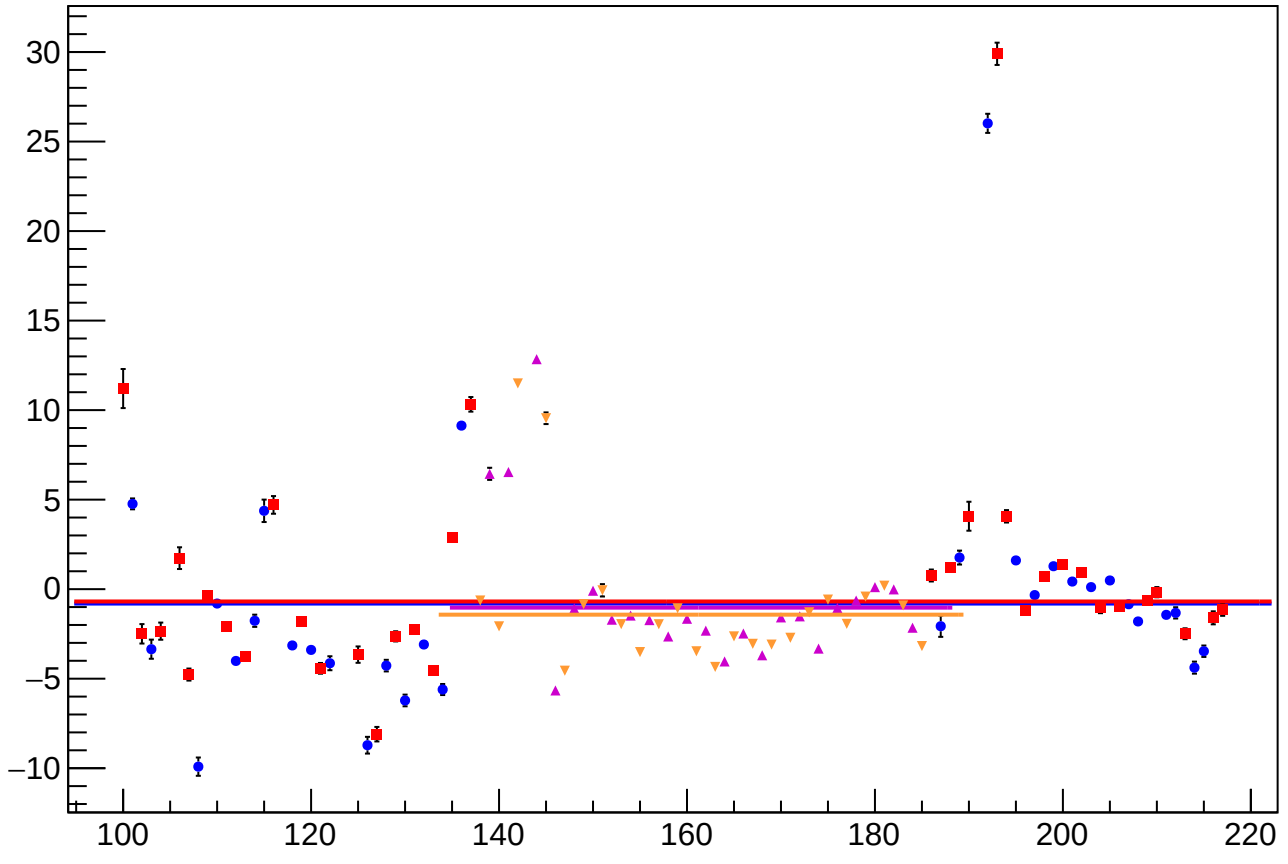
Right Out: -1.572+/-0.033 χ^2/NDF: 118788.8/33

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.229+/-0.027 χ^2/NDF: 247011.0/54

All: -1.251+/-0.018 χ^2/NDF: 495484.3/111

- sign -1.271+/-0.025 χ^2/NDF: 248471.9/56



Right In: -0.804+/-0.051 χ^2/NDF: 7681.8/30

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

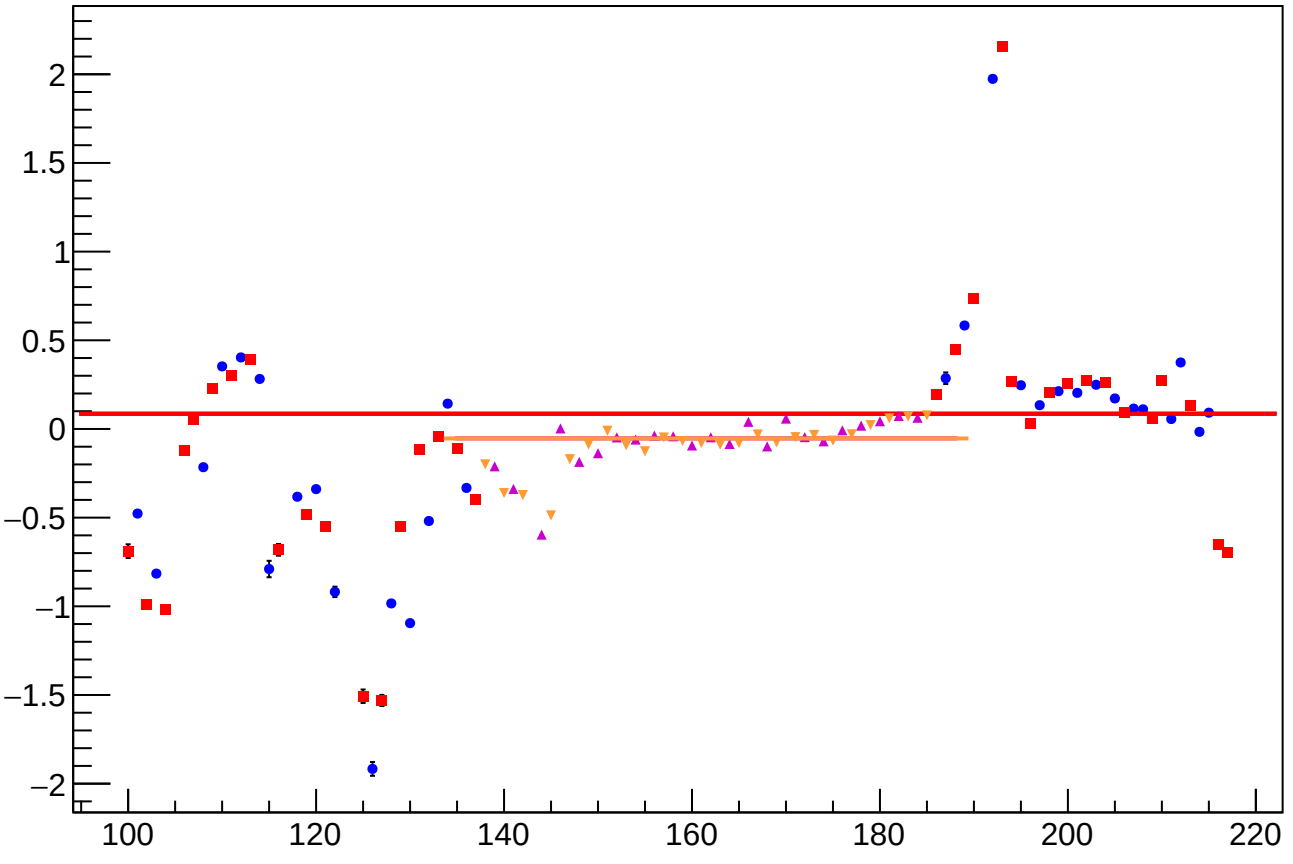
Right Out: -0.688+/-0.048 χ^2/NDF: 5553.0/33

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.212+/-0.030 χ^2/NDF: 12420.1/54

All: -1.056+/-0.020 χ^2/NDF: 25110.3/111

- sign -0.915+/-0.028 χ^2/NDF: 12637.7/56



Right In: 0.086+/-0.002 χ^2/NDF: 34792.0/30

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

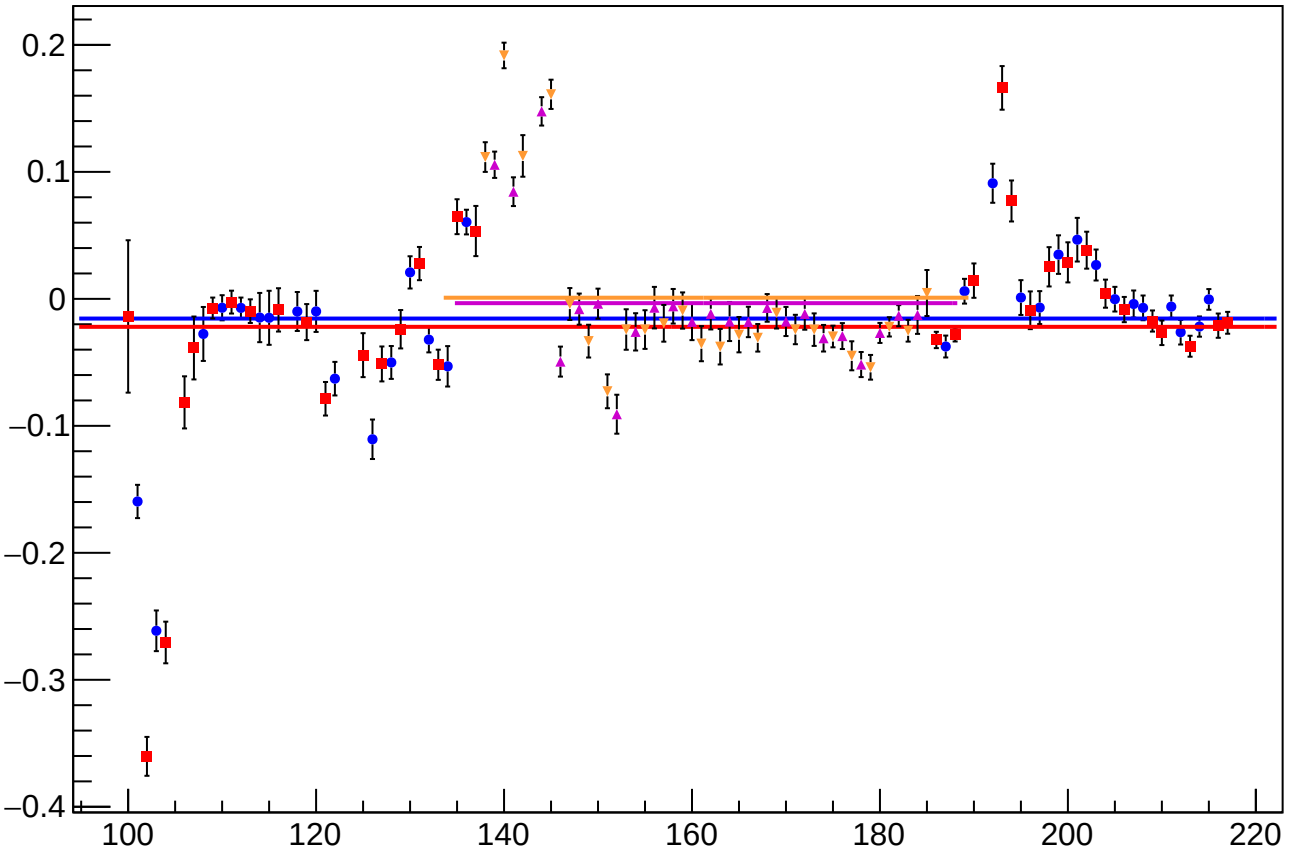
Right Out: 0.086+/-0.002 χ^2/NDF: 36899.3/33

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.007+/-0.001 χ^2/NDF: 41664.4/54

All: -0.009+/-0.001 χ^2/NDF: 86295.4/111

- sign -0.010+/-0.001 χ^2/NDF: 44629.1/56



Right In: -0.016+/-0.002 χ^2/NDF: 602.1/30

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

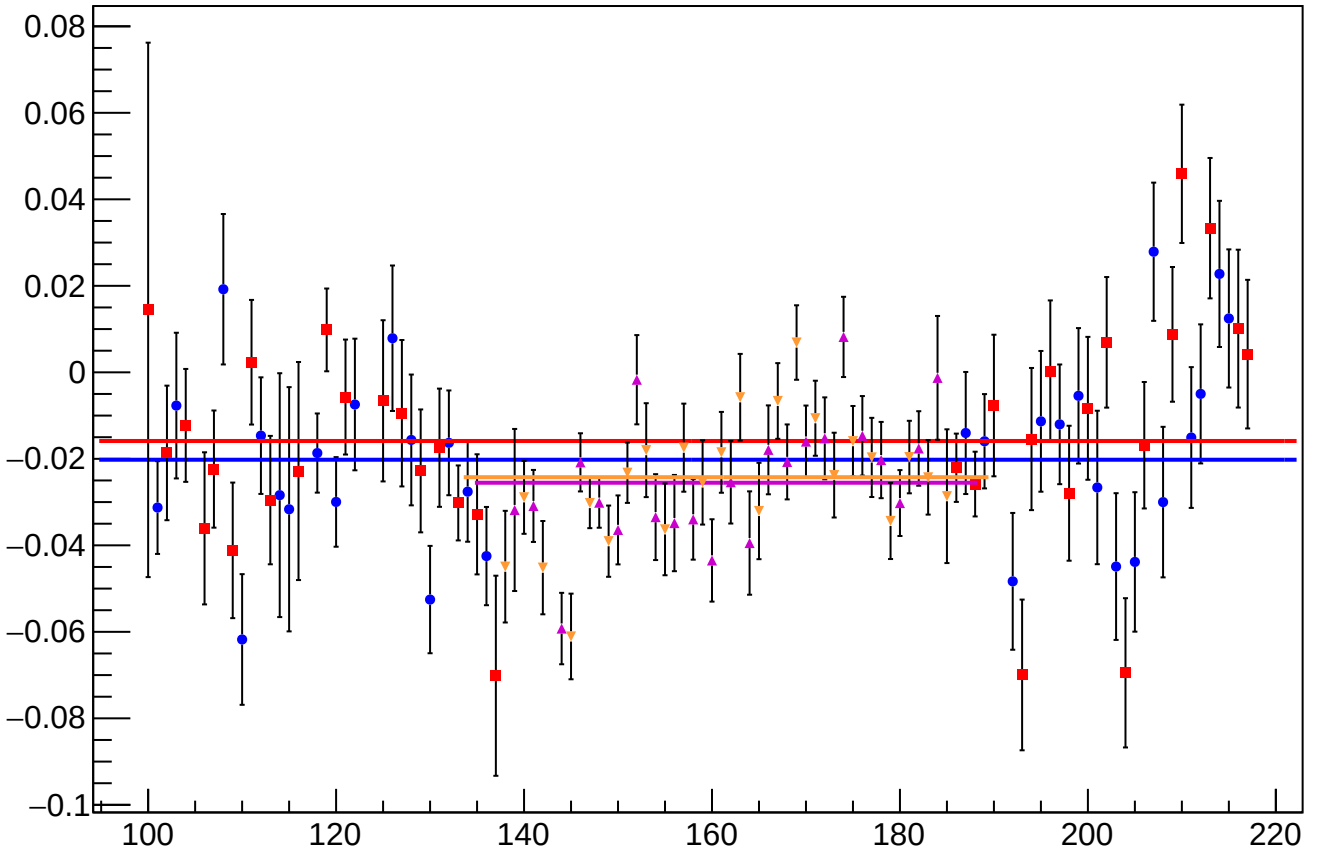
Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/33

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.002 χ^2/NDF: 1478.8/54

All: -0.012+/-0.001 χ^2/NDF: 3036.5/111

- sign -0.015+/-0.002 χ^2/NDF: 1549.4/56



Right In: -0.020+/-0.003 χ^2/NDF: 60.8/30

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

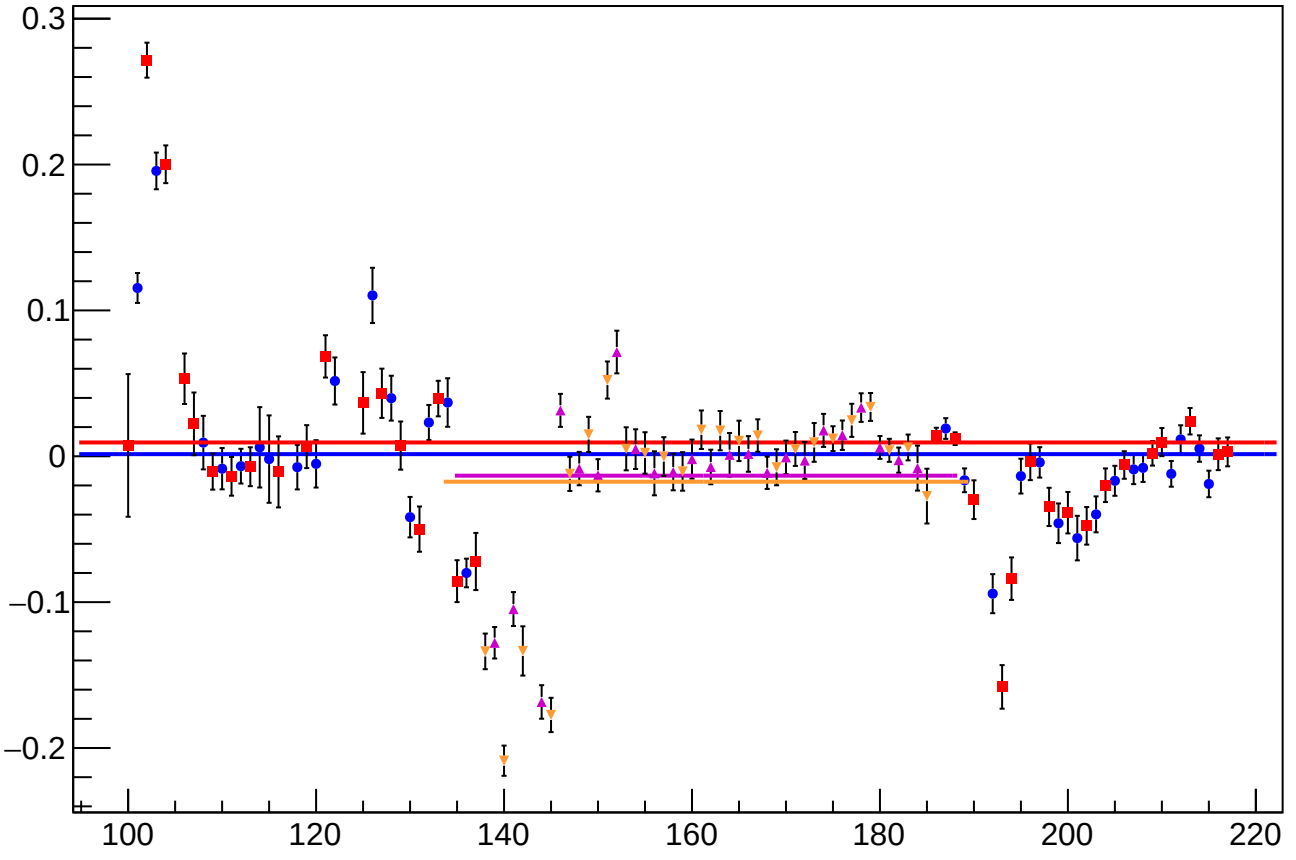
Right Out: -0.016+/-0.002 χ^2/NDF: 81.2/33

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.023+/-0.001 χ^2/NDF: 116.2/54

All: -0.022+/-0.001 χ^2/NDF: 262.8/111

- sign -0.022+/-0.001 χ^2/NDF: 146.3/56



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/30

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

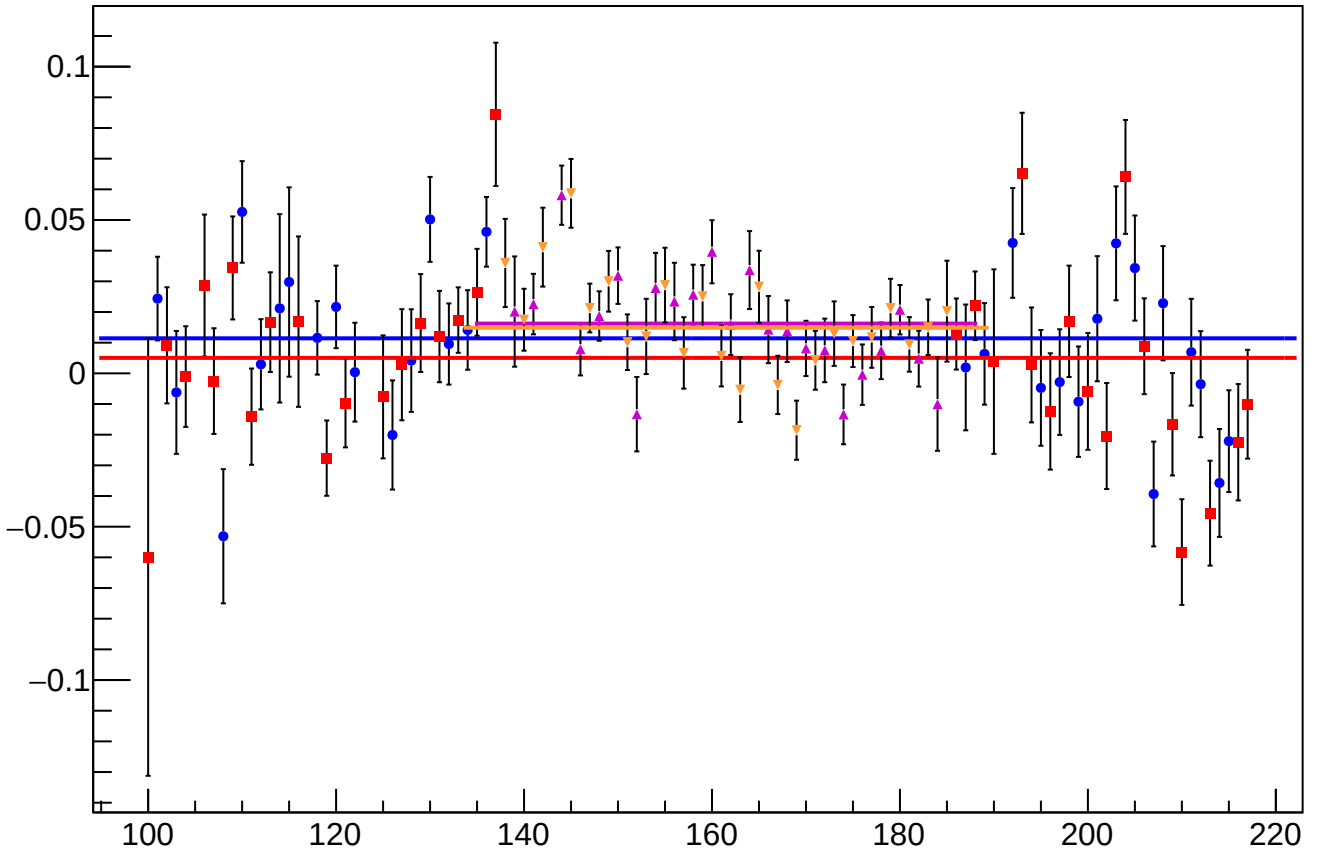
Right Out: 0.009+/-0.002 χ^2/NDF: 1047.5/33

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

\+ sign -0.007+/-0.002 χ^2/NDF: 1461.9/54

All: -0.003+/-0.001 χ^2/NDF: 3035.7/111

\- sign 0.001+/-0.001 χ^2/NDF: 1562.0/56



Right In: 0.011+/-0.003 χ^2/NDF: 71.0/30

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

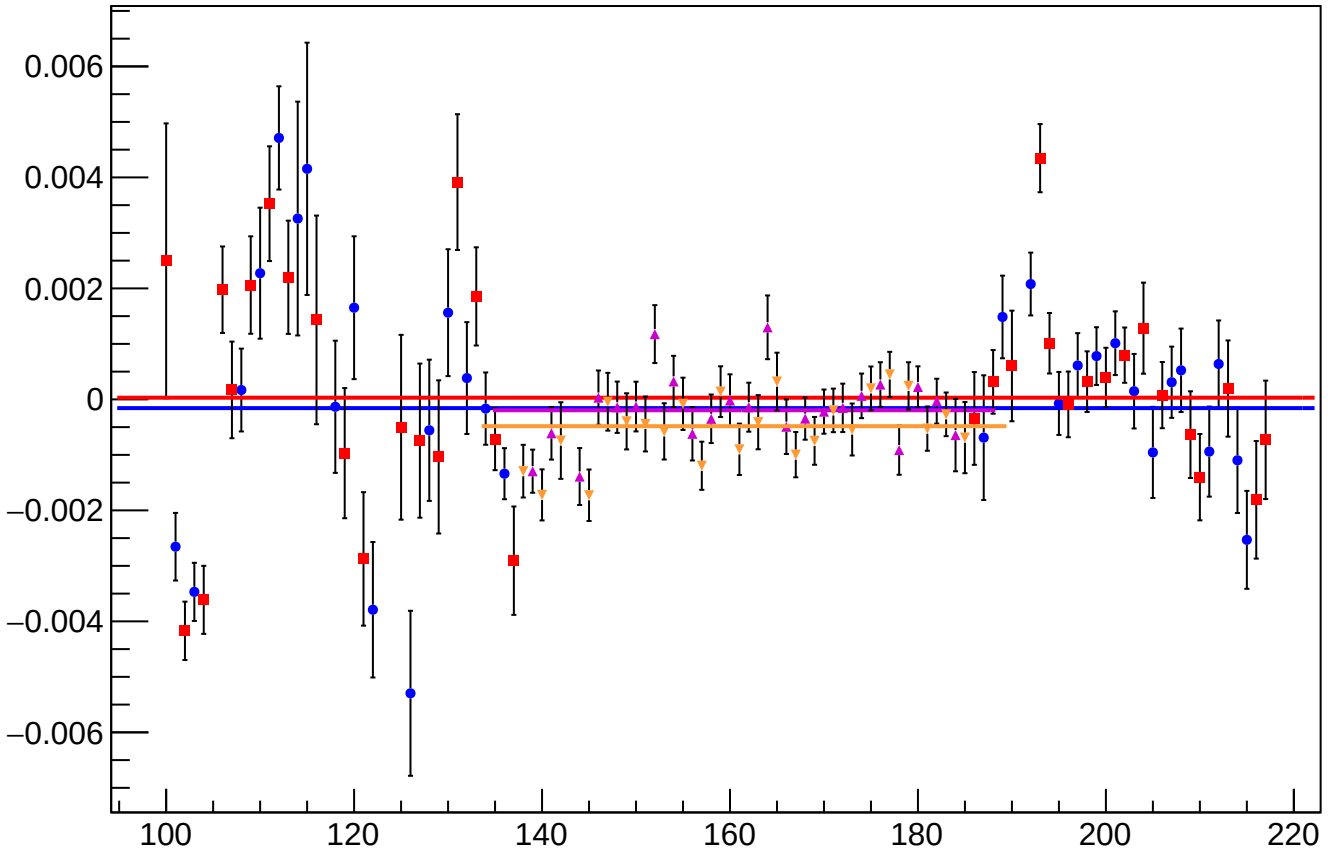
Right Out: 0.005+/-0.003 χ^2/NDF: 84.7/33

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.014+/-0.002 χ^2/NDF: 124.0/54

All: 0.013+/-0.001 χ^2/NDF: 277.0/111

- sign 0.012+/-0.002 χ^2/NDF: 152.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 169.4/30

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

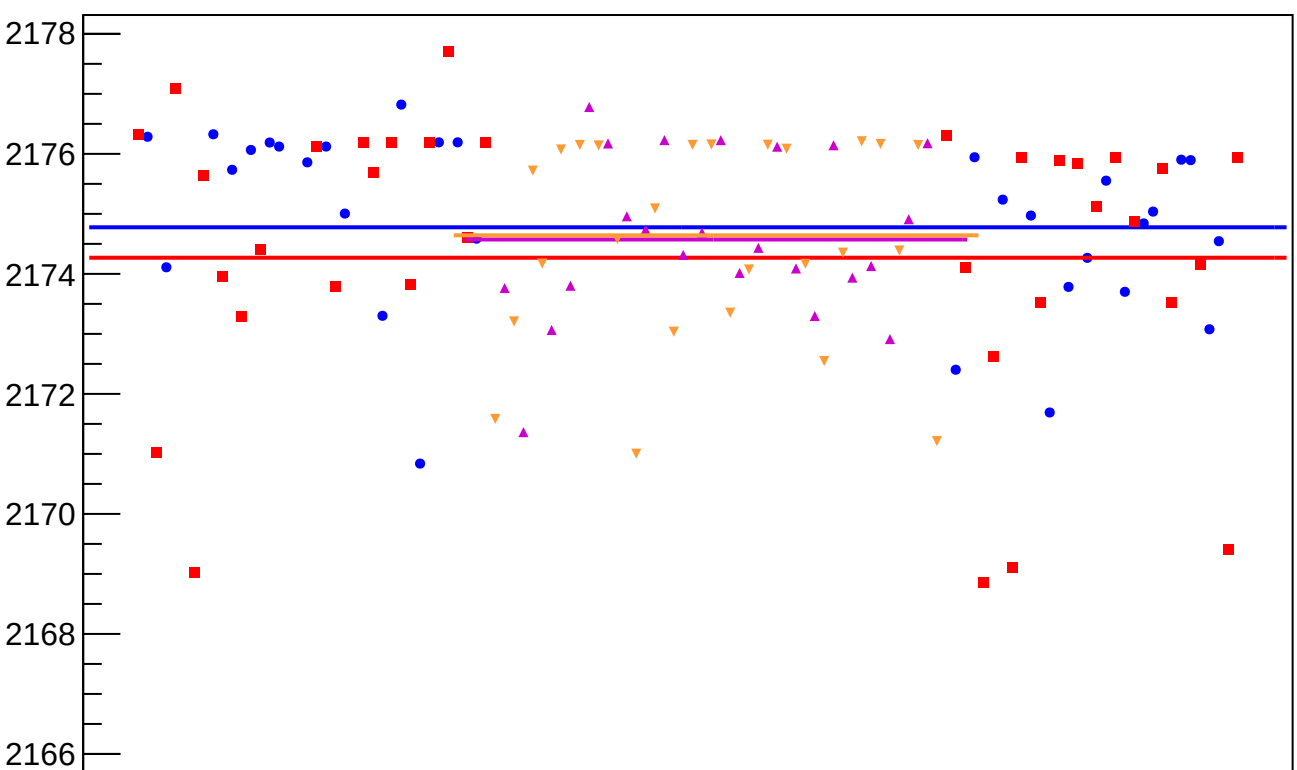
Right Out: 0.000+/-0.000 χ^2/NDF: 227.6/33

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 214.1/54

All: -0.000+/-0.000 χ^2/NDF: 486.6/111

- sign -0.000+/-0.000 χ^2/NDF: 266.8/56



Right In: 2174.776+/-0.000 χ^2/NDF: 367614846538753970508062802732646 4.0/30

+ sign 2174.709+/-0.000 χ^2/NDF: 8905694471614 9

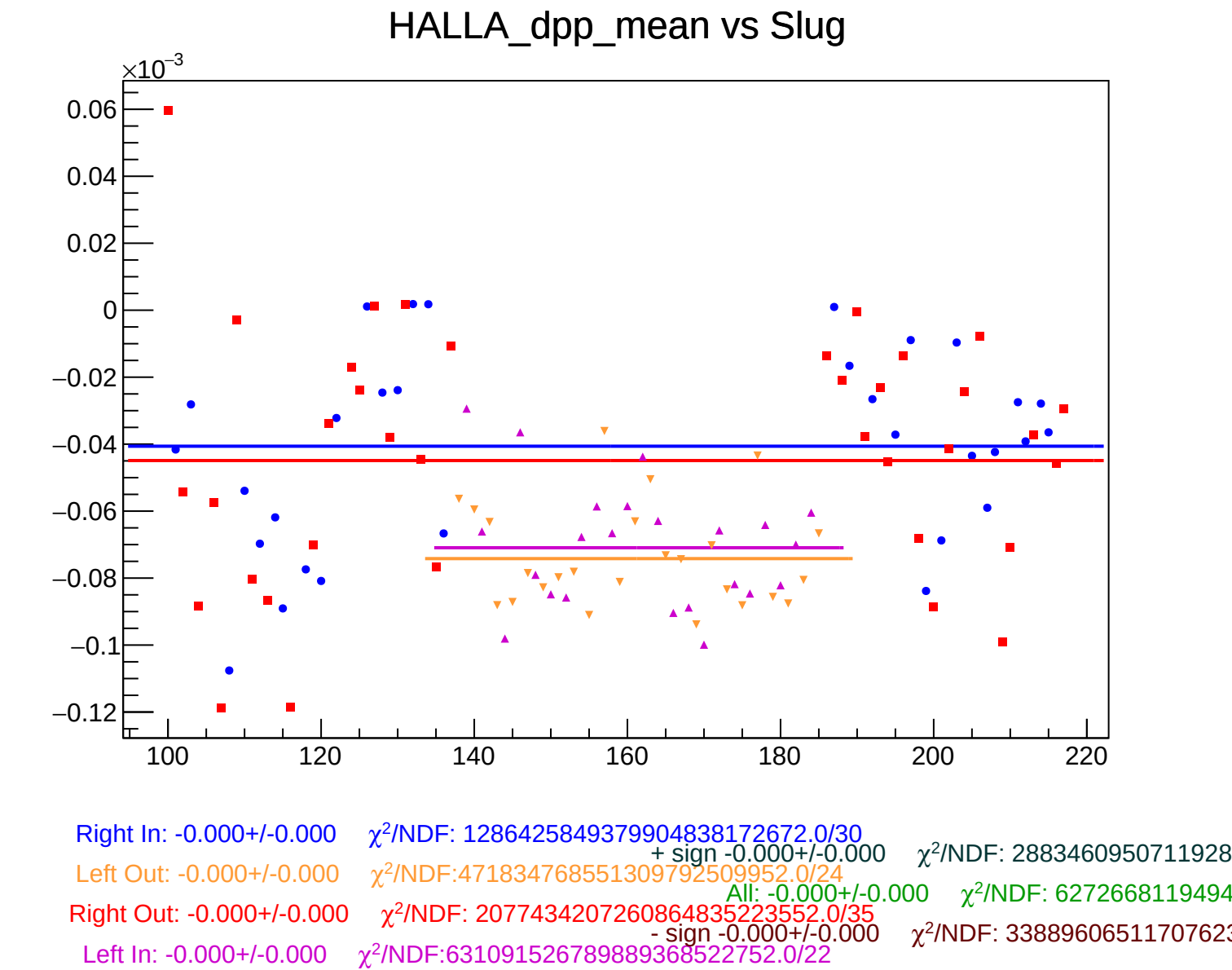
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

All: 2174.560+/-0.000 χ^2/NDF: 248708883 42

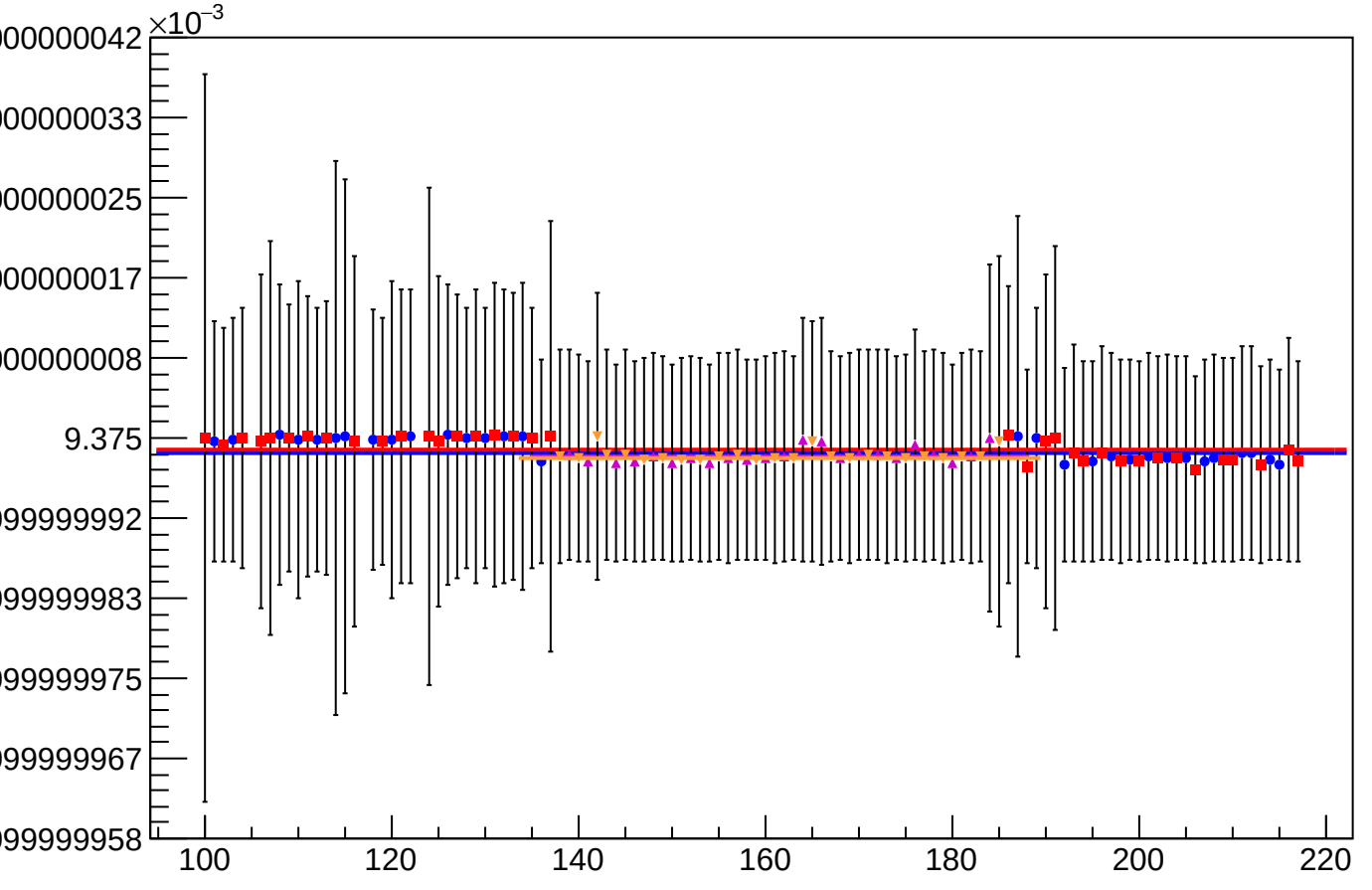
Right Out: 2174.269+/-0.000 χ^2/NDF: 122657201536290142933955848962048 00.0/35

- sign 2174.413+/-0.000 χ^2/NDF: 1578960073960 2

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 1286425849379904838172672.0/30
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099952.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 20774342072608648352235552.0/35
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2883460950711928
All: -0.000+/-0.000 χ²/NDF: 6272668119494
- sign -0.000+/-0.000 χ²/NDF: 33889606511707623

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

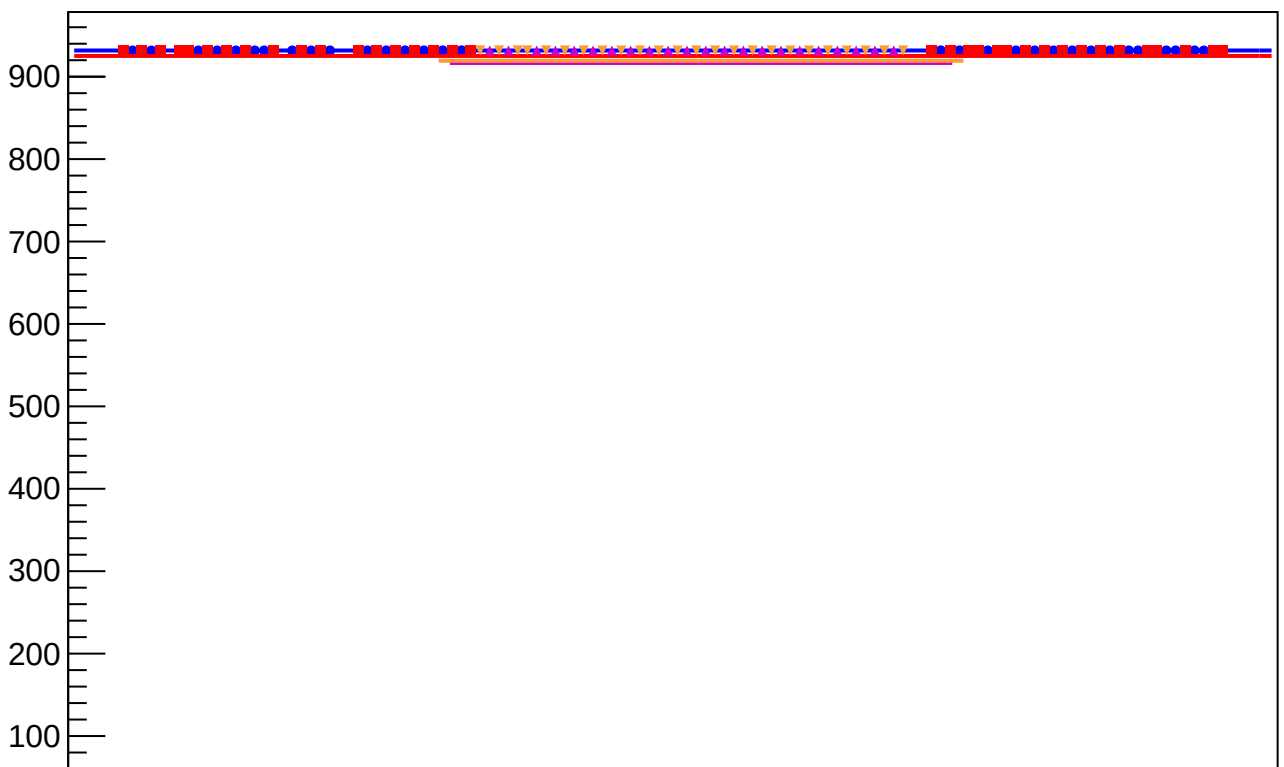
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/55

All: 0.009+/-0.000 χ^2/NDF: 0.9/114

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.771+/-0.000 χ^2/NDF: 503947838130076602032919989452 8.0/30

+ sign 925.496+/-0.000 χ^2/NDF: 231752683768994

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

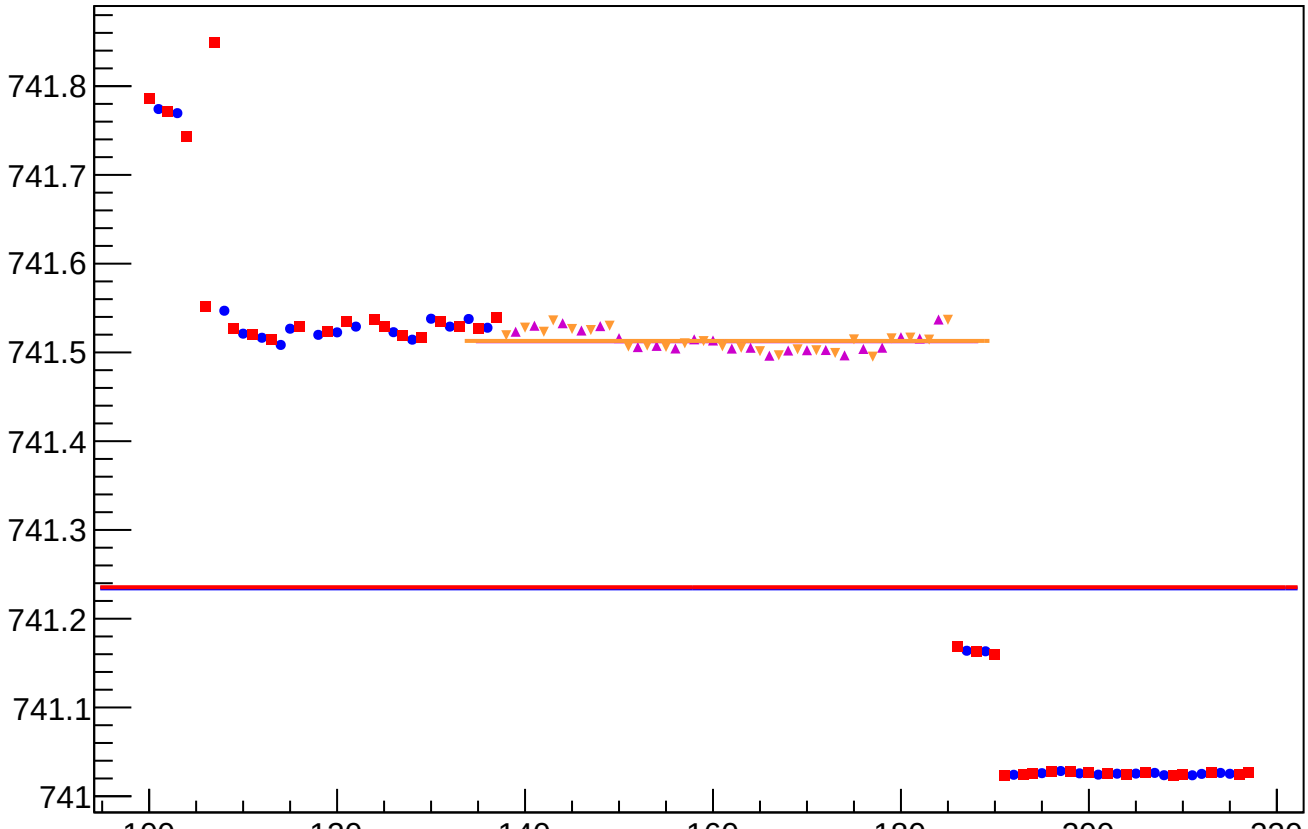
All: 923.311+/-0.000 χ^2/NDF: 625857832160

Right Out: 925.177+/-0.000 χ^2/NDF: 1292985988259944302703618573221 4423552.0/35

- sign 921.143+/-0.000 χ^2/NDF: 393725269208579

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855 72352.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.234+/-0.000 χ^2/NDF: 14050274691511190351474061633126 4.0/30

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: 741.235+/-0.000 χ^2/NDF: 1493889524335393528274892514918 40.0/35

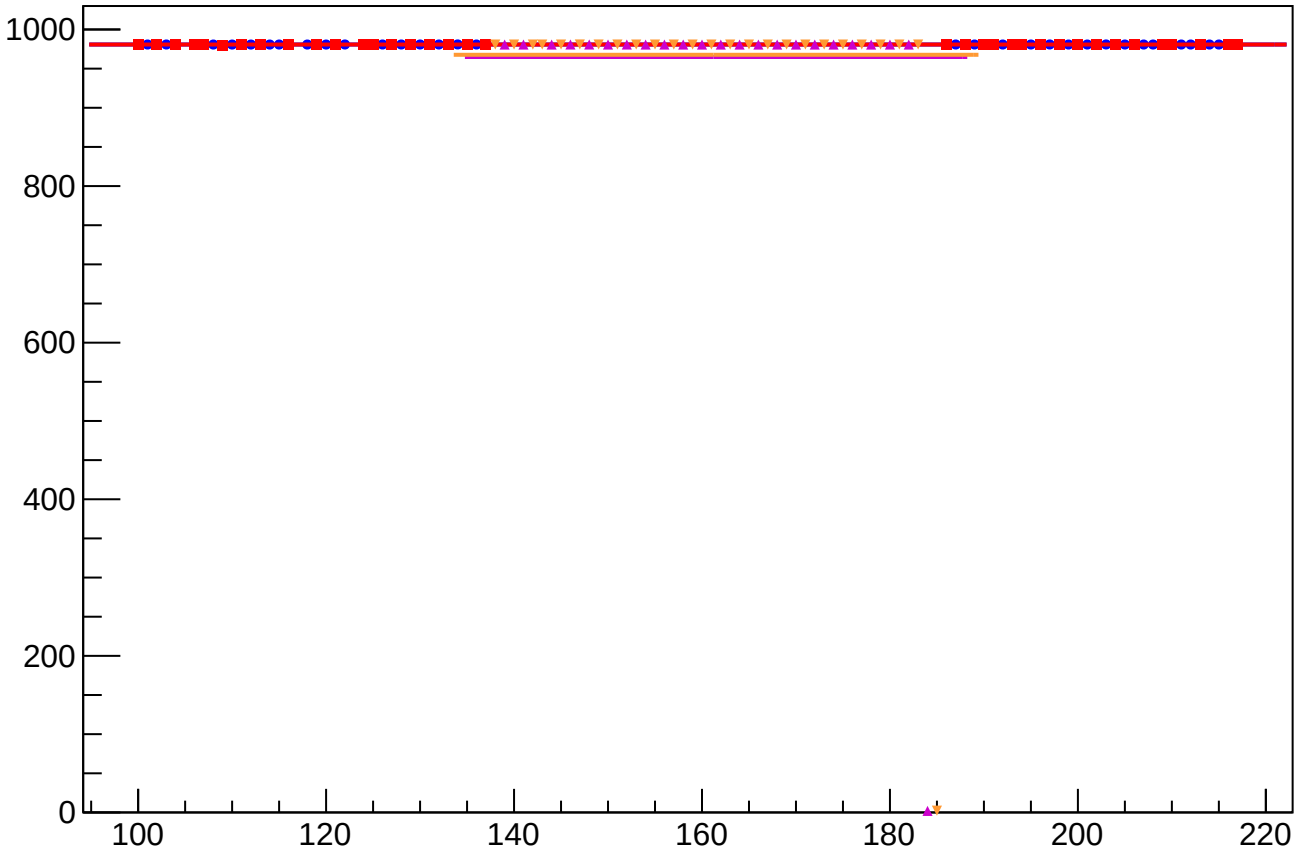
Left In: 741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

+ sign 741.375+/-0.000 χ^2/NDF: 218371756341943

All: 741.371+/-0.000 χ^2/NDF: 4452209518 65

- sign 741.367+/-0.000 χ^2/NDF: 226708468826808

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.803+/-0.000 χ^2/NDF: 19525361006193972935338166845440/30

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.781+/-0.000 χ^2/NDF: 635410769242765318252194965749 76.0/35

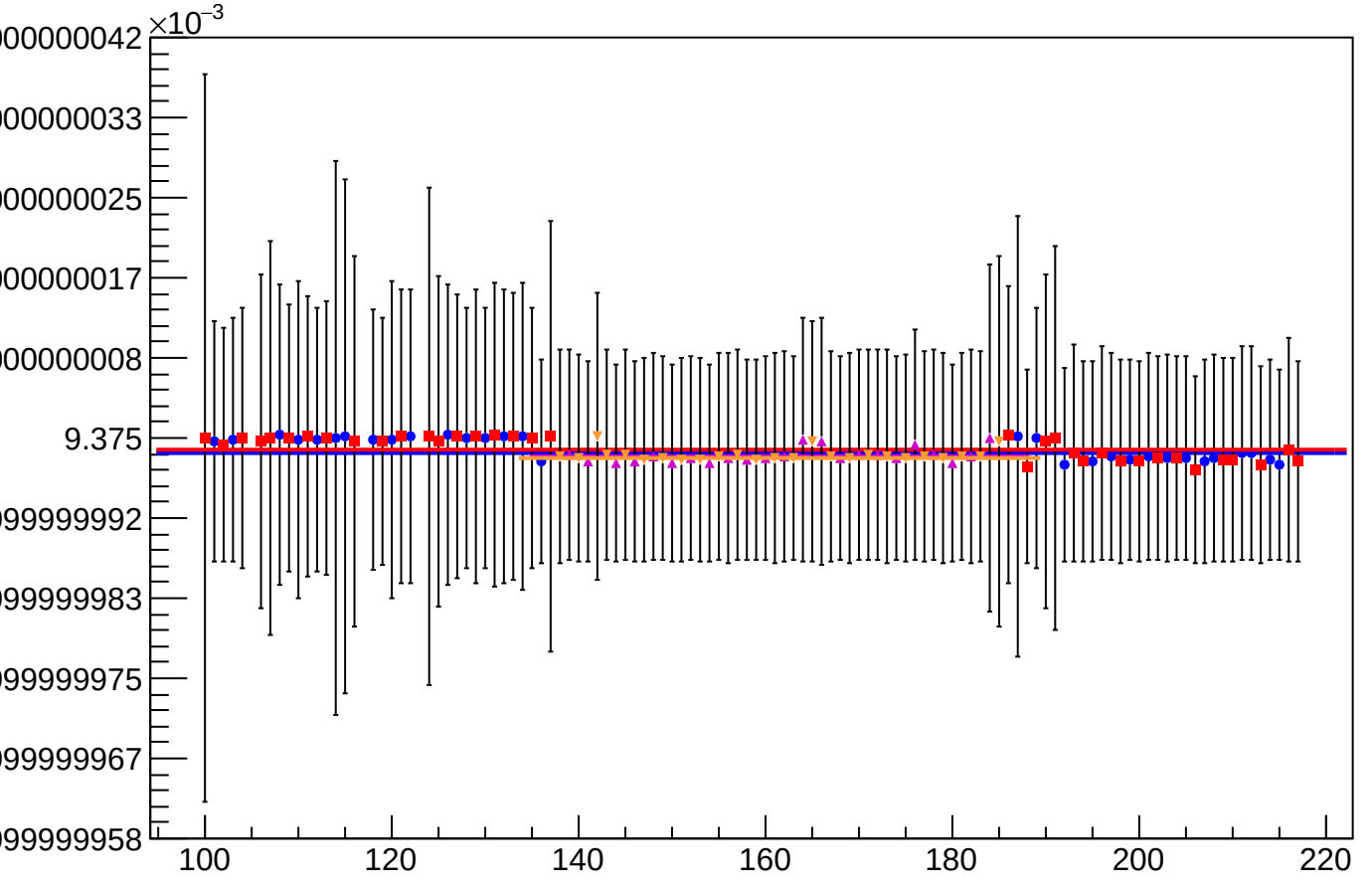
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 974.172+/-0.000 χ^2/NDF: 256772162950726

All: 973.706+/-0.000 χ^2/NDF: 551495186756

- sign 973.243+/-0.000 χ^2/NDF: 294705702901928

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

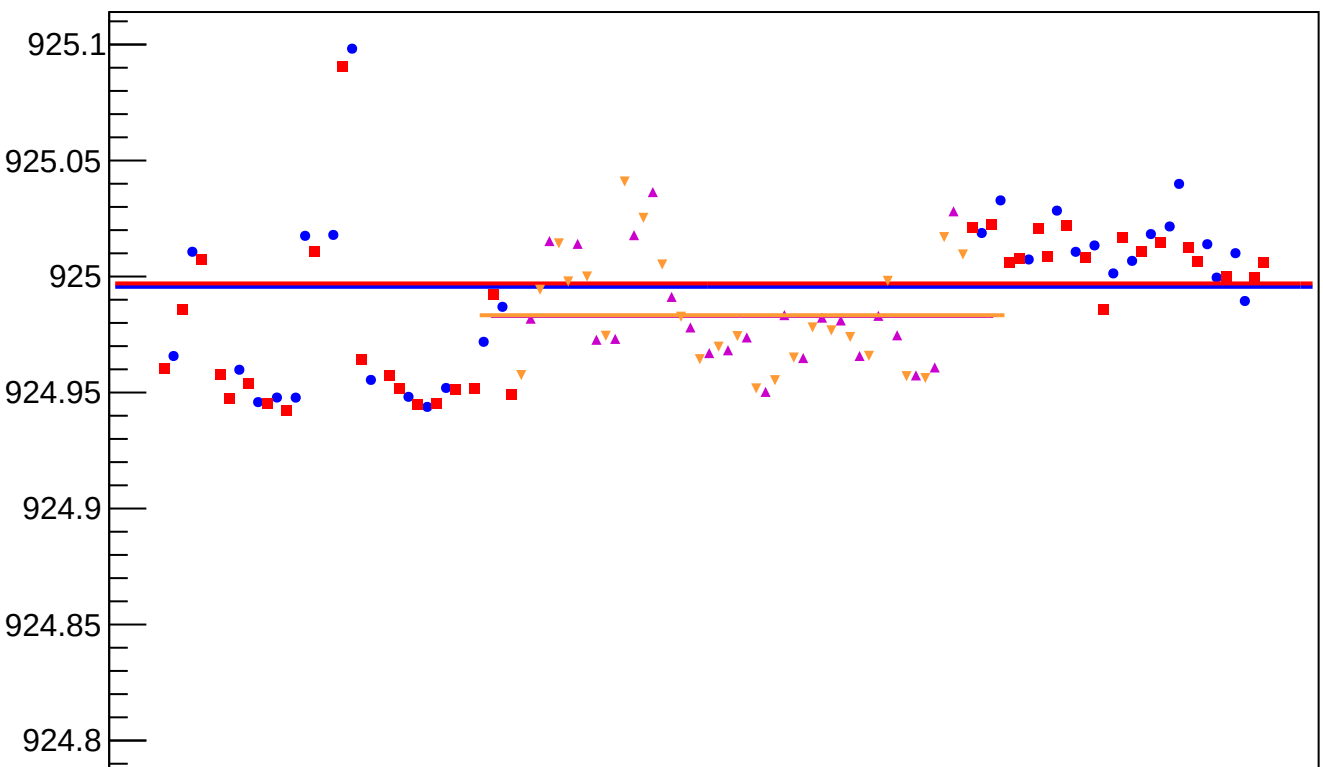
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/55

All: 0.009+/-0.000 χ^2/NDF: 0.9/114

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.996+/-0.000 χ^2/NDF: 377245684445965667545023879577 6.0/30

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.997+/-0.000 χ^2/NDF: 19942980230539888666854744391 68.0/35

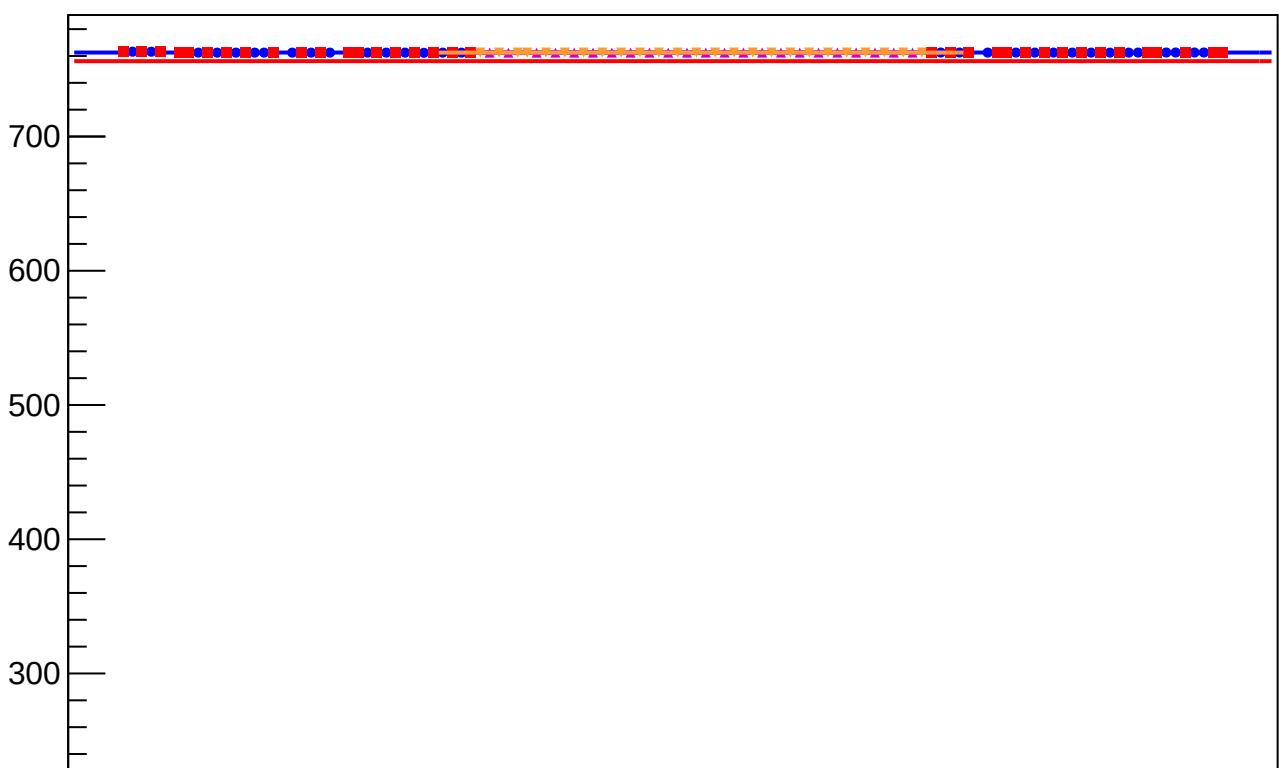
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.989+/-0.000 χ^2/NDF: 508391855346272

All: 924.990+/-0.000 χ^2/NDF: 820549159445

- sign 924.990+/-0.000 χ^2/NDF: 311954161456139

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.570+/-0.000 χ^2/NDF: 554941080423026206330763849236480.0/30

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: 756.146+/-0.000 χ^2/NDF: 735175438109467820752974547167215616 0.0/35

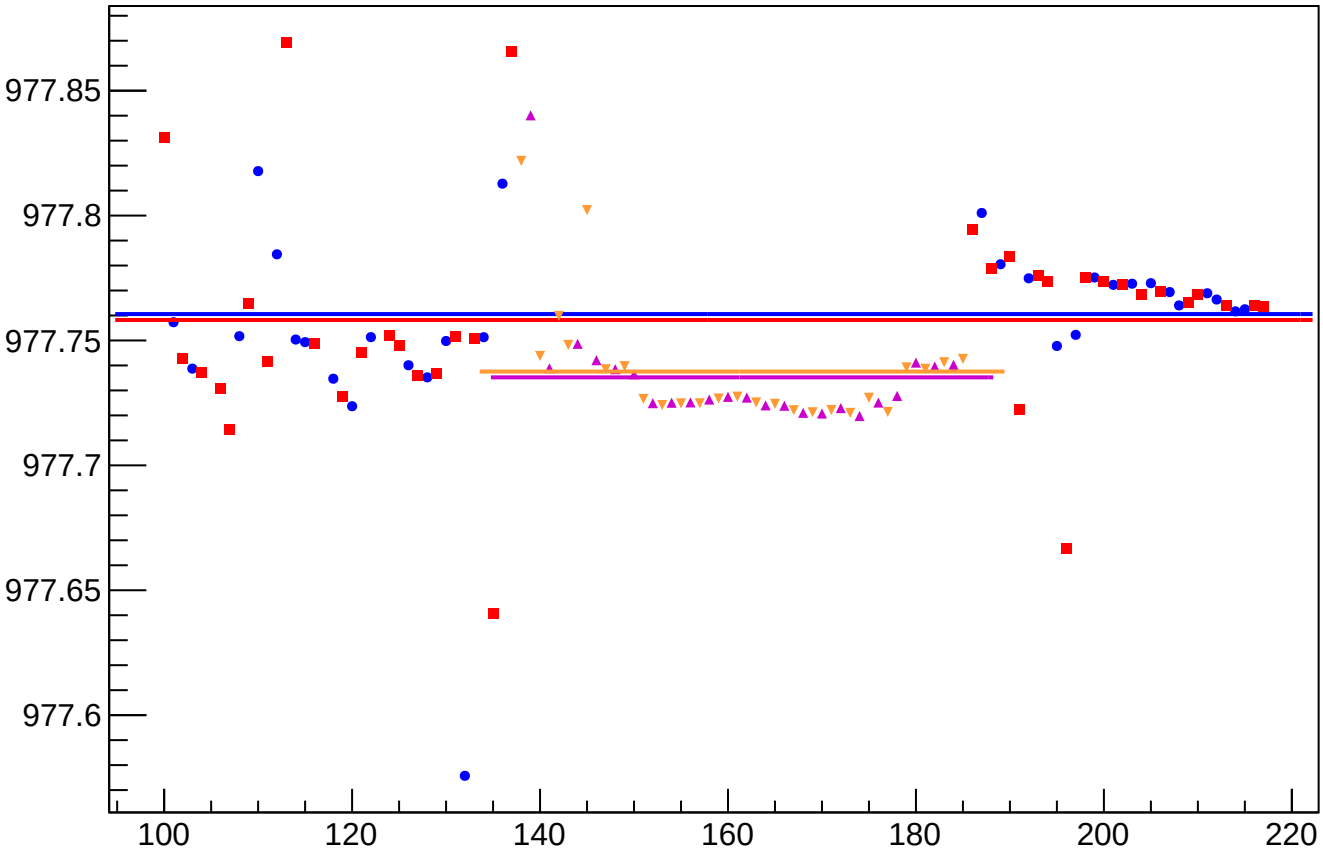
Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

+ sign 762.544+/-0.000 χ^2/NDF: 588877204177286

All: 760.846+/-0.000 χ^2/NDF: 74155232948

- sign 759.162+/-0.000 χ^2/NDF: 739253048356462

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.761+/-0.000 χ^2/NDF: 22240089275409054753013807185920.0/30

+ sign 977.749+/-0.000 χ^2/NDF: 393110738894473

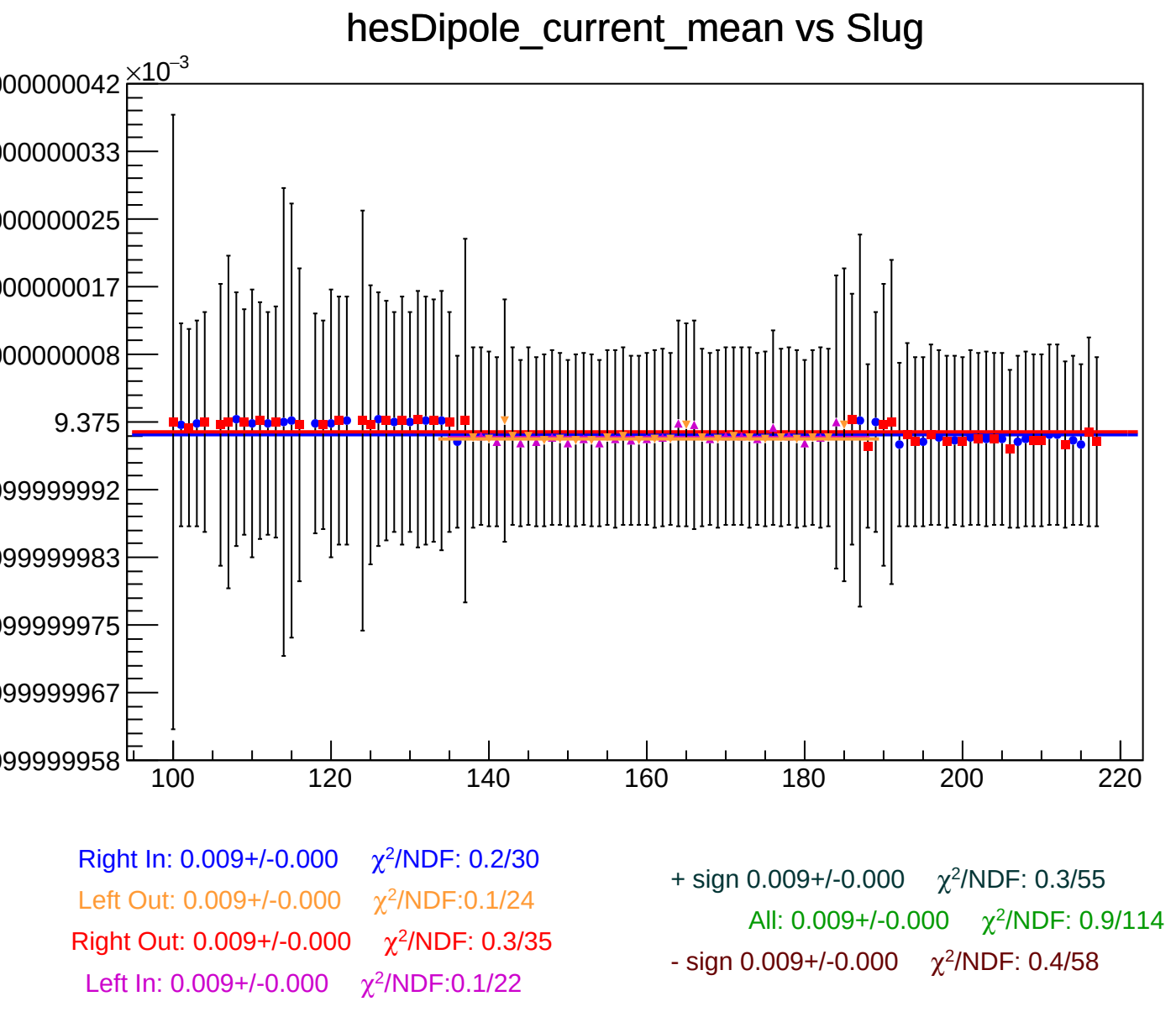
Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

All: 977.748+/-0.000 χ^2/NDF: 843118391693

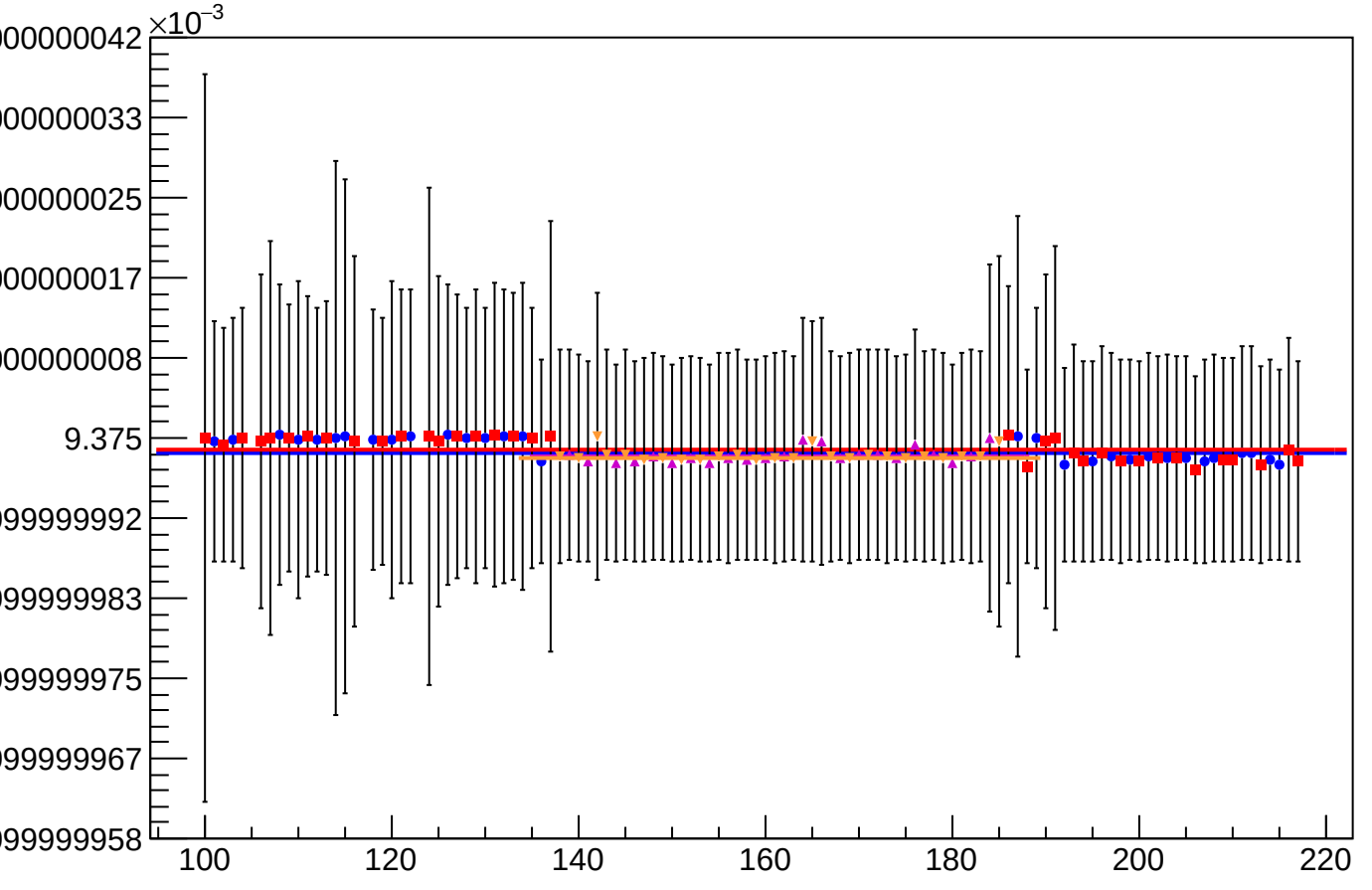
Right Out: 977.758+/-0.000 χ^2/NDF: 2868389510675511163708908765184.0/35

- sign 977.747+/-0.000 χ^2/NDF: 449482826298467

Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22


hesDipole_current_mean vs Slug
×10⁻³
00000042
00000033
00000025
00000017
00000008
9.375
99999992
99999983
99999975
99999967
99999958
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 0.2/30
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: 0.009+/-0.000 χ²/NDF: 0.3/35
Left In: 0.009+/-0.000 χ²/NDF:0.1/22
+ sign 0.009+/-0.000 χ²/NDF: 0.3/55
All: 0.009+/-0.000 χ²/NDF: 0.9/114
- sign 0.009+/-0.000 χ²/NDF: 0.4/58

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/35

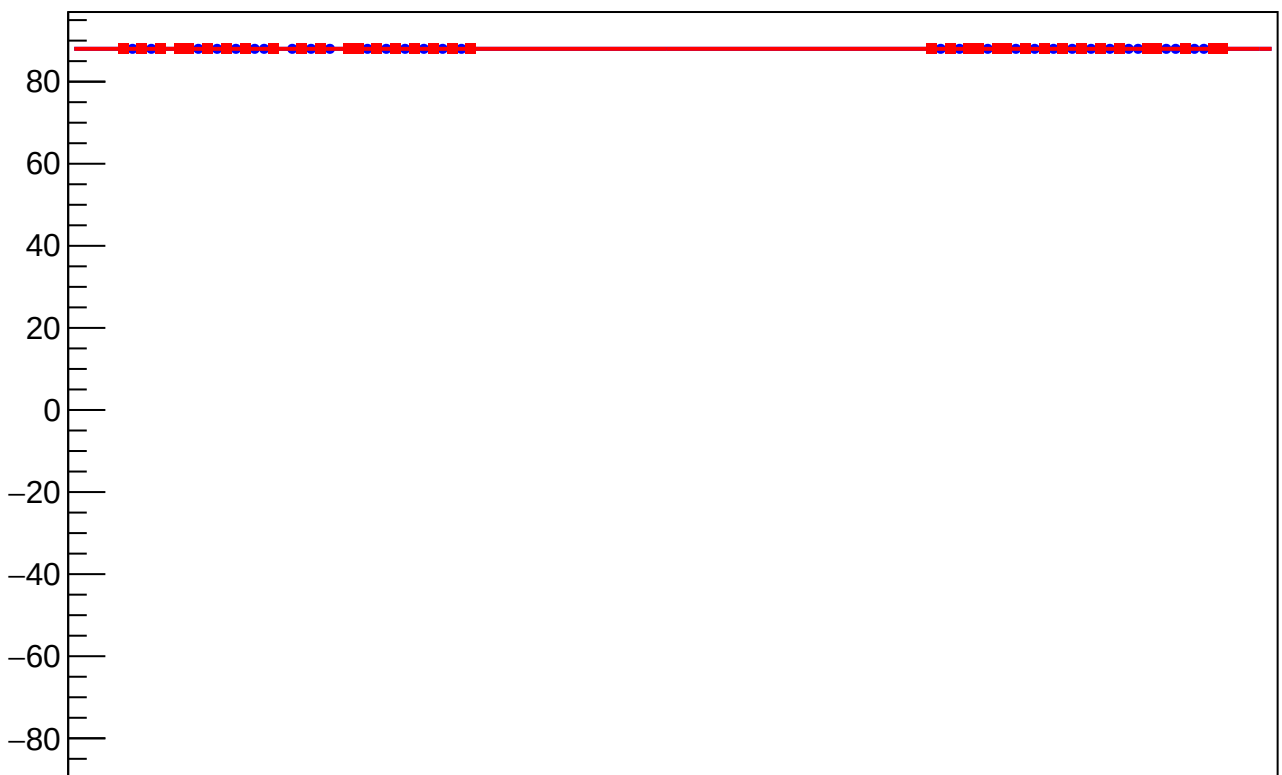
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/55

All: 0.009+/-0.000 χ^2/NDF: 0.9/114

- sign 0.009+/-0.000 χ^2/NDF: 0.4/58

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 3473310.4/30

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 767979632943714199335589642240/35

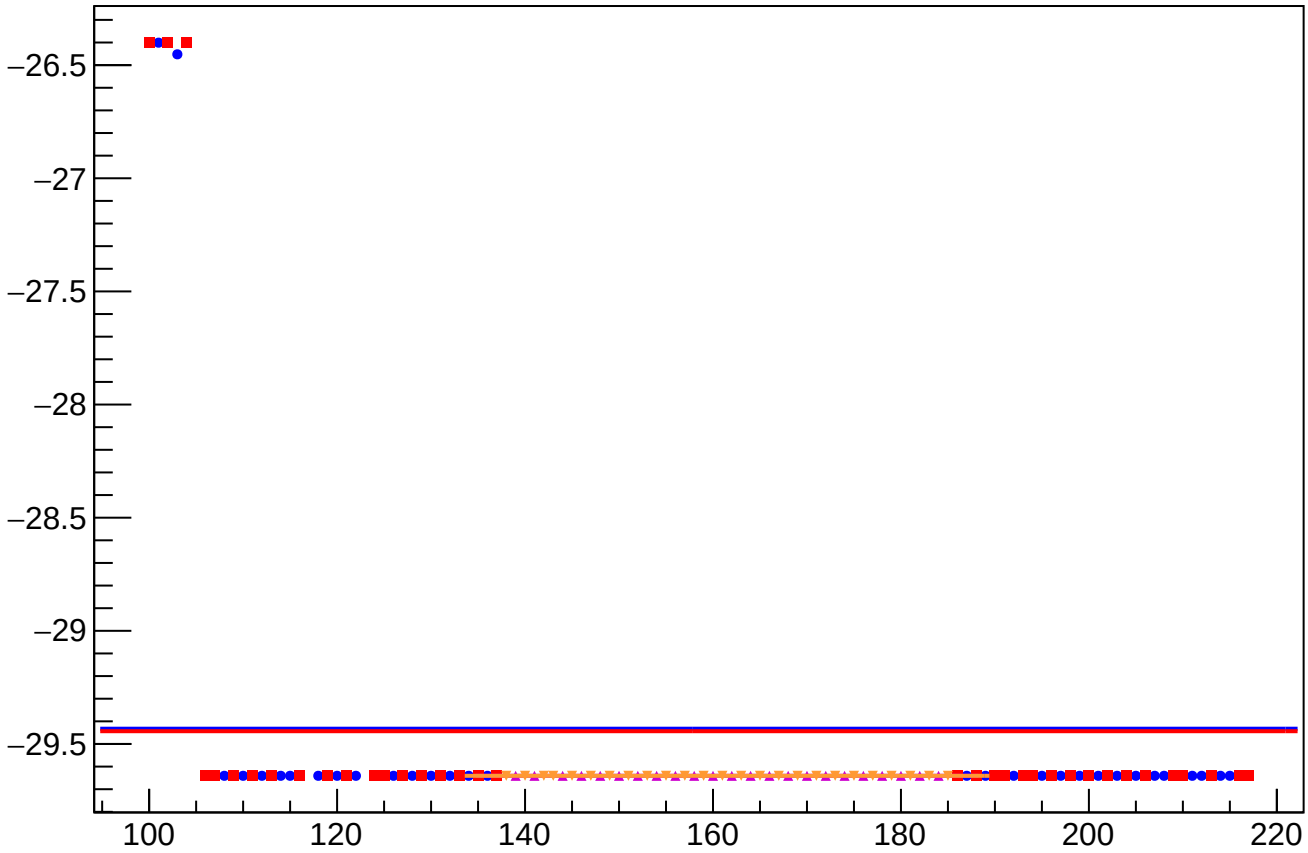
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -2.216+/-0.000 χ^2/NDF: 3185473207623525

All: 0.638+/-0.000 χ^2/NDF: 6394162260397

- sign 3.469+/-0.000 χ^2/NDF: 32022082742909750

HWienAngle_mean vs Slug



Right In: -29.433+/-0.000 χ^2/NDF: 1237221441318014428070166627614720.0/30

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

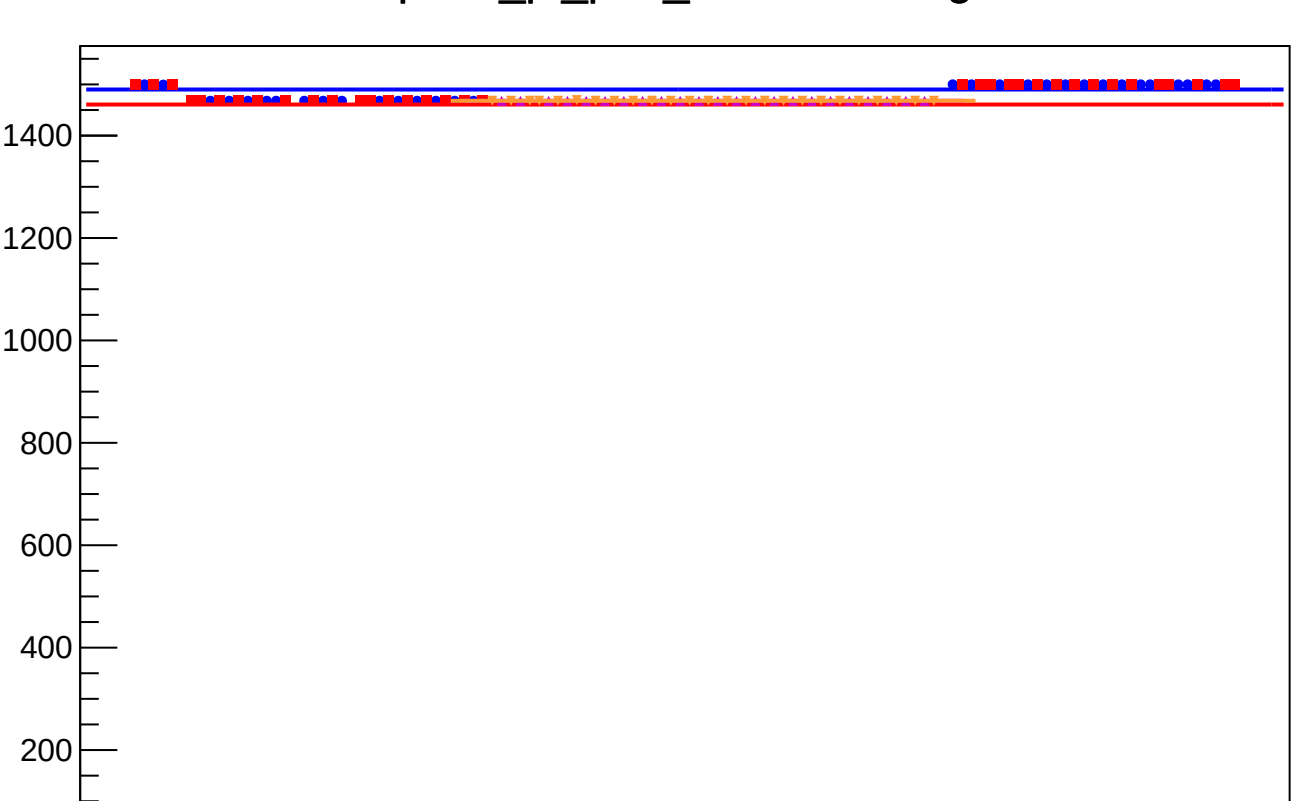
Right Out: -29.444+/-0.000 χ^2/NDF: 127182804186704258200705256180940 8.0/35

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.538+/-0.000 χ^2/NDF: 128048230356516

All: -29.537+/-0.000 χ^2/NDF: 259129413074

- sign -29.537+/-0.000 χ^2/NDF: 1310810573429341



Right In: 1490.056+/-0.000 χ^2/NDF: 433039504060554013240081080452644864.0/30

+ sign 1478.940+/-0.000 χ^2/NDF: 91675223395395

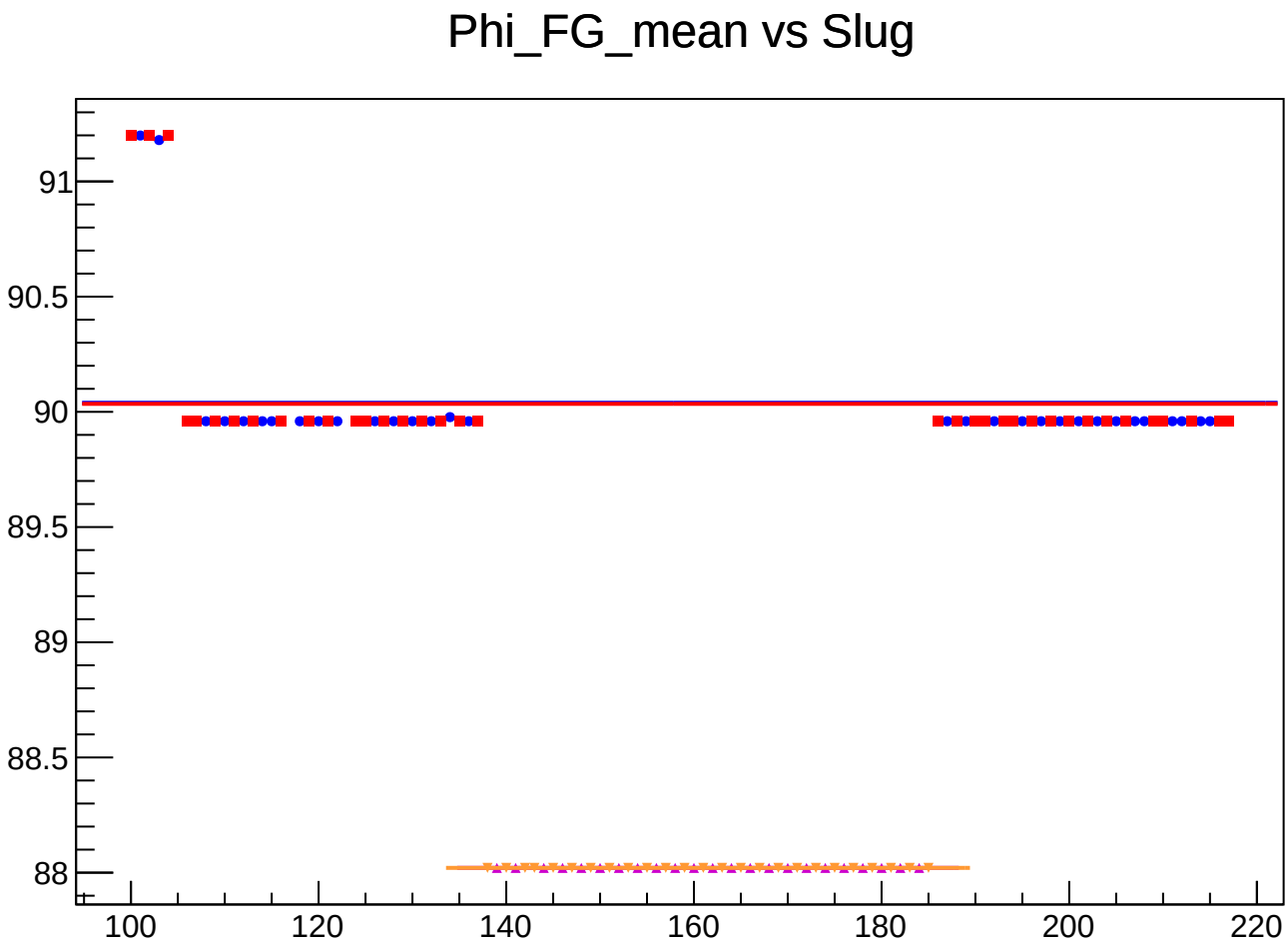
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1471.524+/-0.000 χ^2/NDF: 9328490178

Right Out: 1460.726+/-0.000 χ^2/NDF: 9187737138813668519943728777569868185 6.0/35

- sign 1464.166+/-0.000 χ^2/NDF: 91930392010736

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.039+/-0.000 χ^2/NDF: 1811193121098056397698395505950 72.0/30

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.035+/-0.000 χ^2/NDF: 18628665572845716697883002221363 2.0/35

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 89.020+/-0.000 χ^2/NDF: 4250346614967453

All: 89.051+/-0.000 χ^2/NDF: 8516279122076

- sign 89.081+/-0.000 χ^2/NDF: 4258266449556590

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 9869570889424600867799040.0/30

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 221228038824495469654179840.0/35

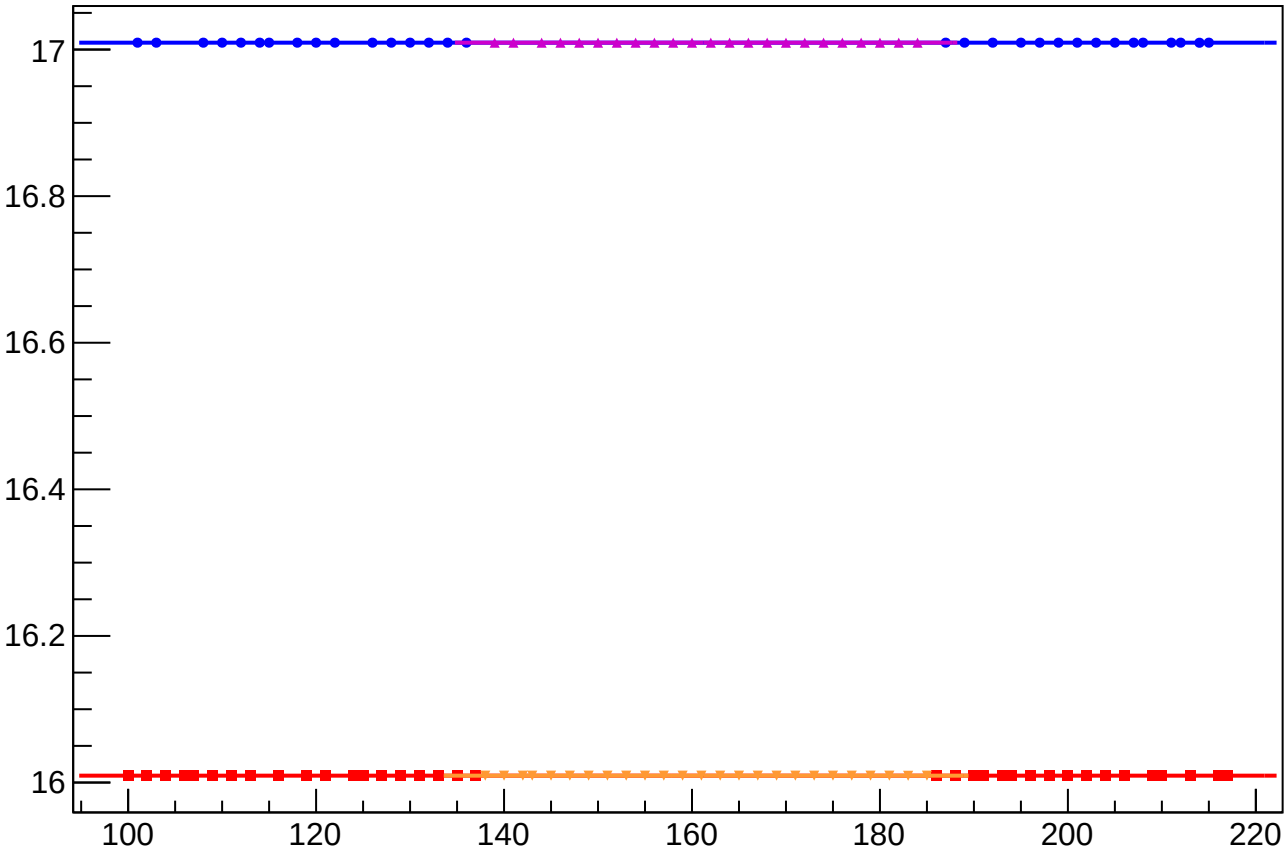
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.501+/-0.000 χ^2/NDF: 9520166730805436

All: 16.523+/-0.000 χ^2/NDF: 190563974872

- sign 16.546+/-0.000 χ^2/NDF: 9496585587662702

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 9871645627676242927943680.0/30

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 2454577456026912135577 6.0/35

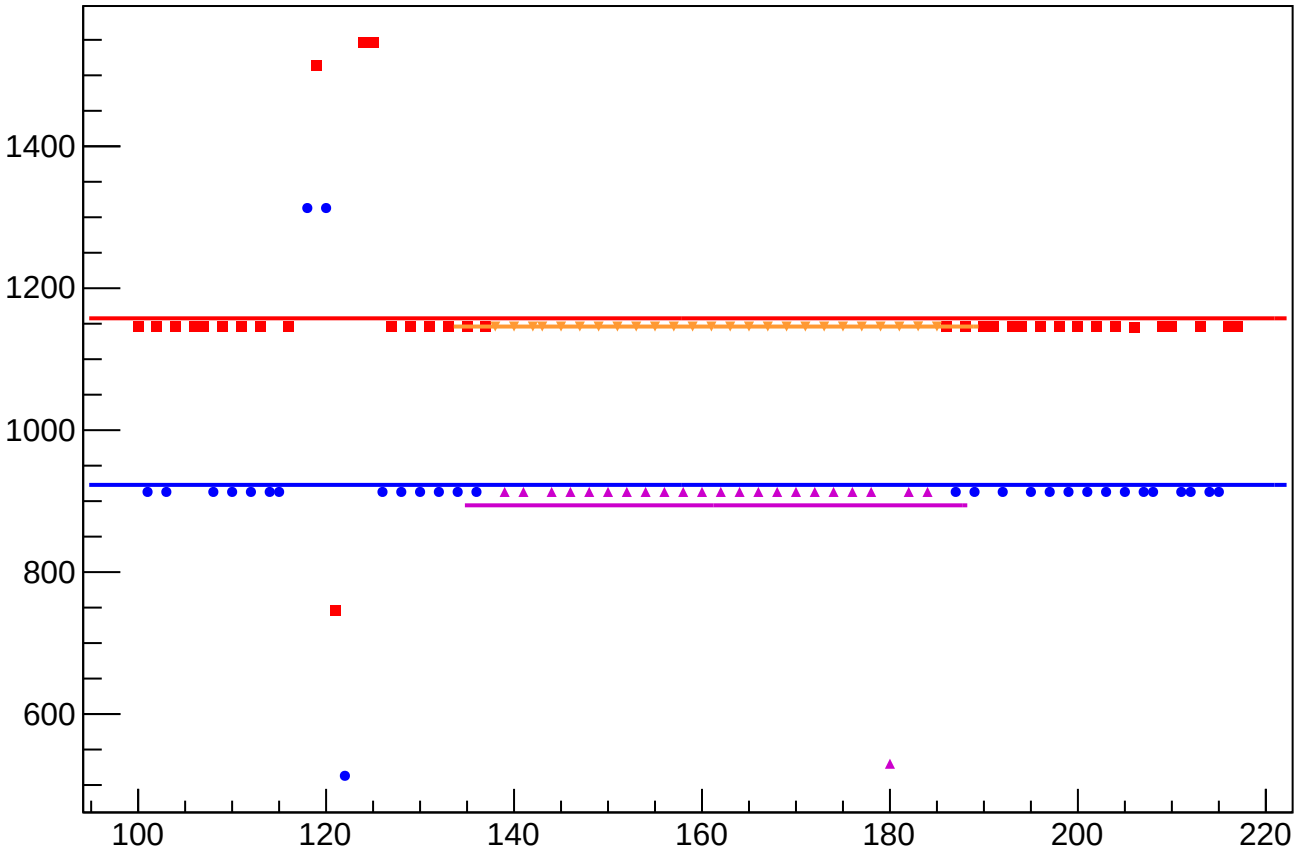
Left In: 17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

+ sign 16.503+/-0.000 χ^2/NDF: 9836002372895622

All: 16.490+/-0.000 χ^2/NDF: 1975041627103

- sign 16.477+/-0.000 χ^2/NDF: 9900961985899945

RTPAPOSUCNT_mean vs Slug



Right In: 922.908+/-0.000 χ^2/NDF: 21407087023542892377535765169754341376.0/30

+ sign 1035.609+/-0.000 χ^2/NDF: 71118405746023

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

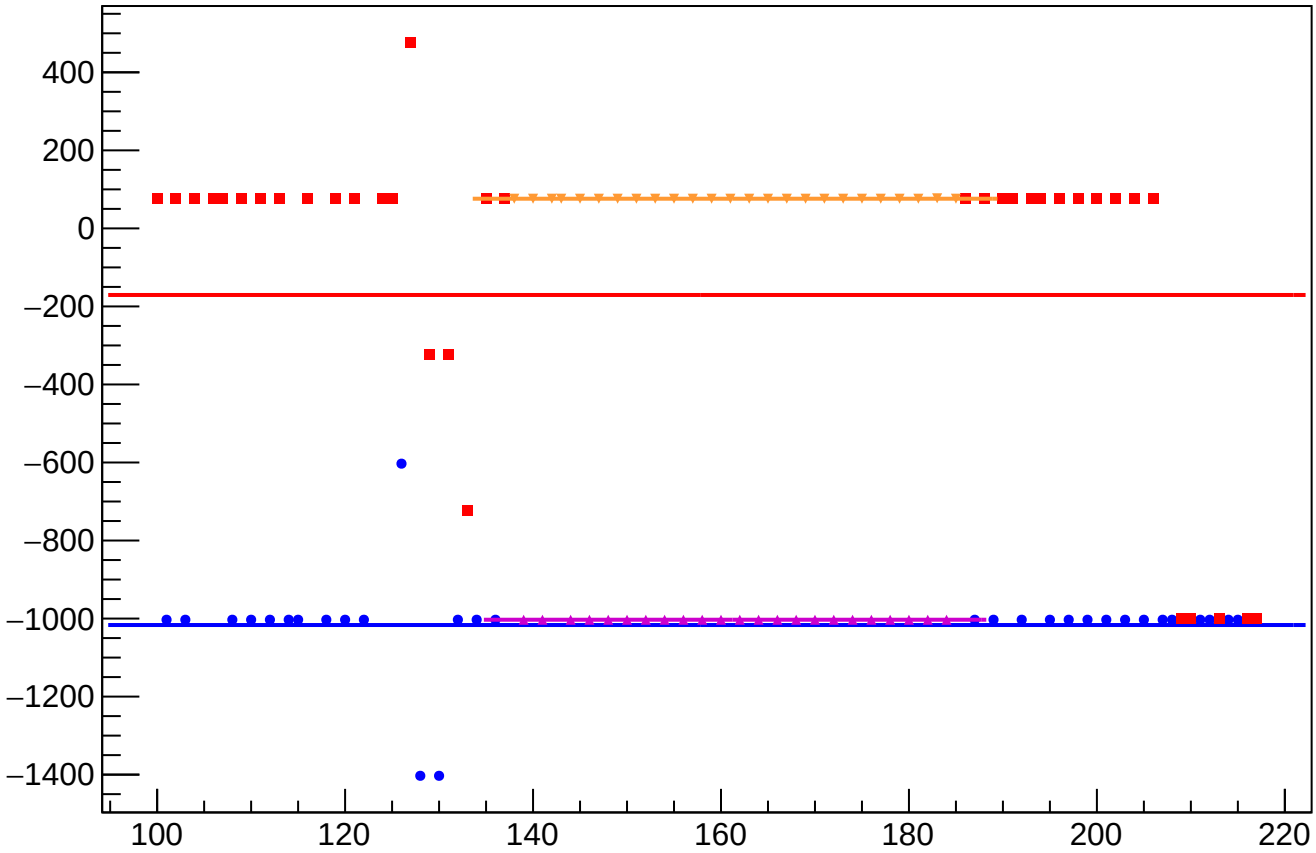
All: 1034.246+/-0.000 χ^2/NDF: 1766053087

Right Out: 1157.611+/-0.000 χ^2/NDF: 22661255502411717925799657435794767872.0/35

- sign 1032.893+/-0.000 χ^2/NDF: 10547210806157

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1016.545+/-0.000 χ^2/NDF: 2347638889390512261169473339252539392 0.0/30

+ sign -464.639+/-0.000 χ^2/NDF: 12156277434938

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

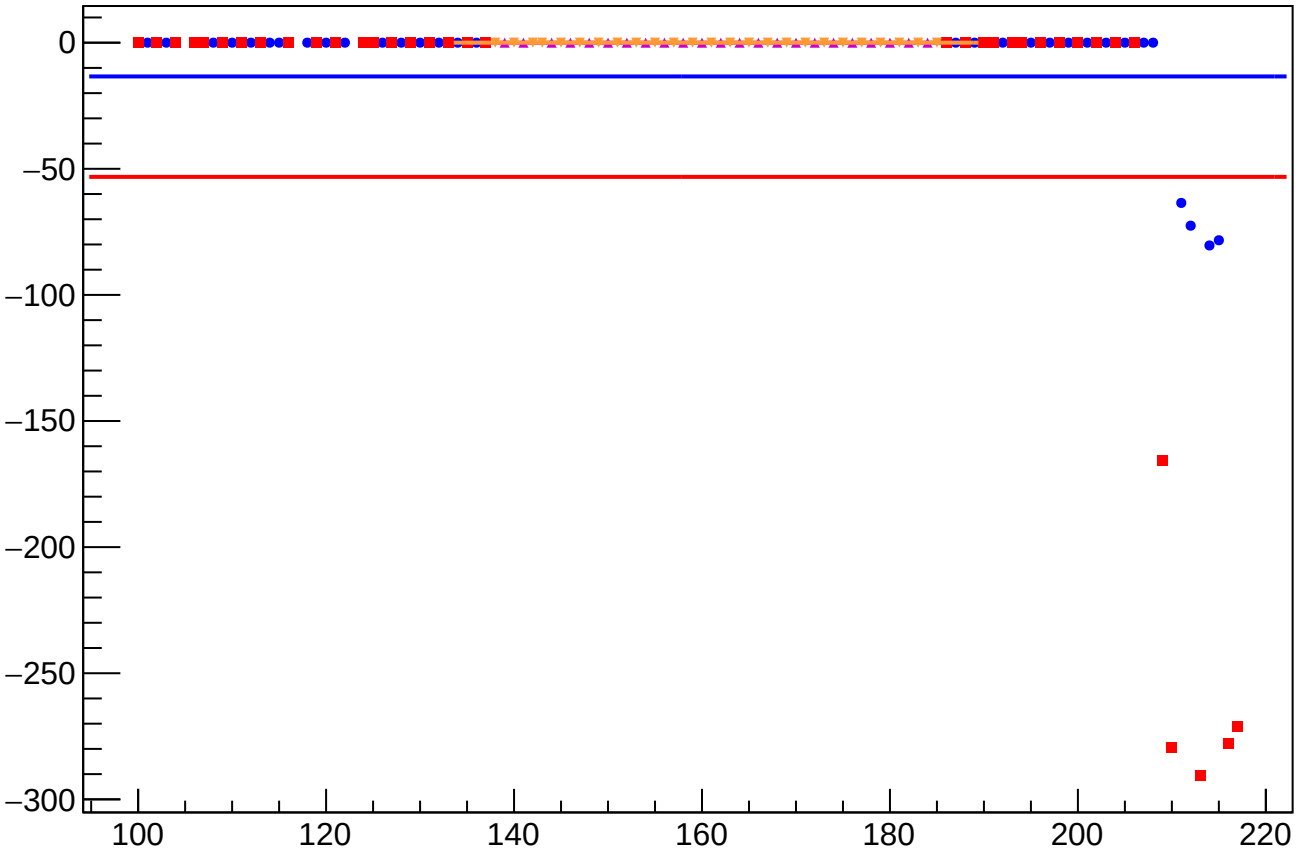
All: -514.819+/-0.000 χ^2/NDF: 2359806505

Right Out: -170.648+/-0.000 χ^2/NDF: 428659071517167925191075114813587718144.0/35

- sign -564.600+/-0.000 χ^2/NDF: 112413998890636

Left In: -1002.990+/-0.000 χ^2/NDF:295195590334831475309726924 8.0/22

RTPPITA1CNT_mean vs Slug



Right In: -13.379+/-0.000 χ^2/NDF: 16229541973545719672228702058782392320/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -53.196+/-0.000 χ^2/NDF: 23942316984004364440485493390014676992.0/35

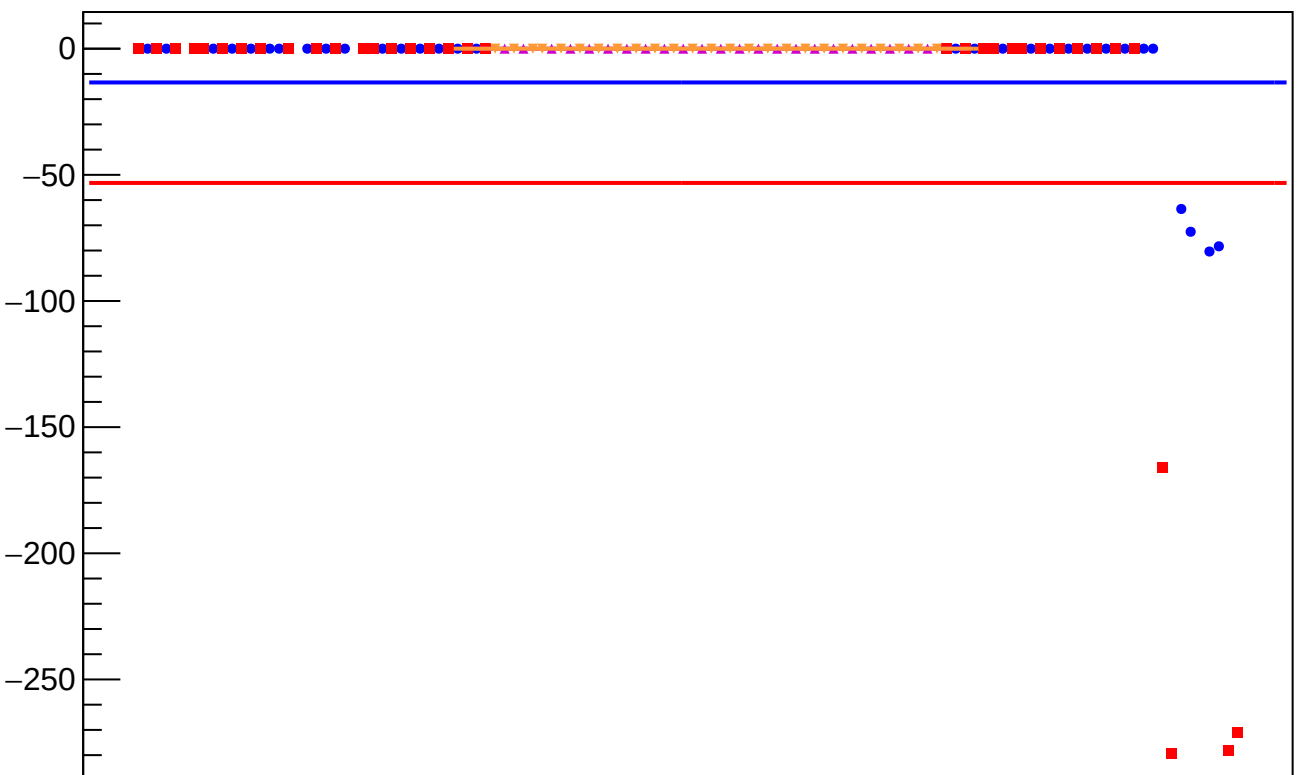
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -6.616+/-0.000 χ^2/NDF: 1801967264299953

All: -17.358+/-0.000 χ^2/NDF: 295042266154

- sign -28.013+/-0.000 χ^2/NDF: 2678407639531141

RTPPITA2CNT_mean vs Slug



Right In: -13.379+/-0.000 χ^2/NDF: 16229541973545719672228702058782392320/30

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -53.207+/-0.000 χ^2/NDF: 23942943798077858326631314950759383040.0/35

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -6.616+/-0.000 χ^2/NDF: 1801967264299953

All: -17.361+/-0.000 χ^2/NDF: 295066290612

- sign -28.020+/-0.000 χ^2/NDF: 2678595087174102