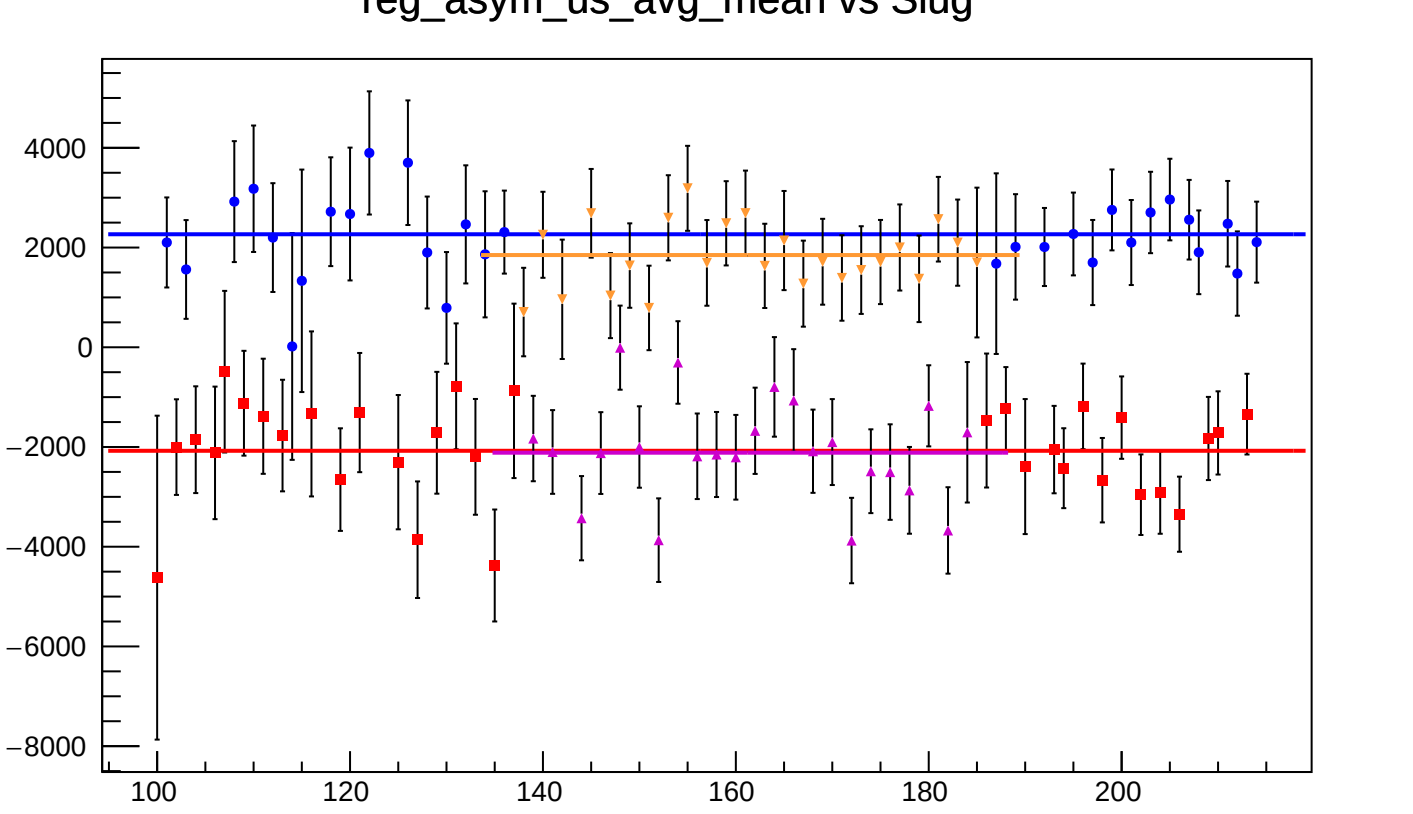


Right In: 2266.538+/-180.610 χ^2/NDF: 11.2/29

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

Right Out: -2075.983+/-180.534 χ^2/NDF: 21.8/31

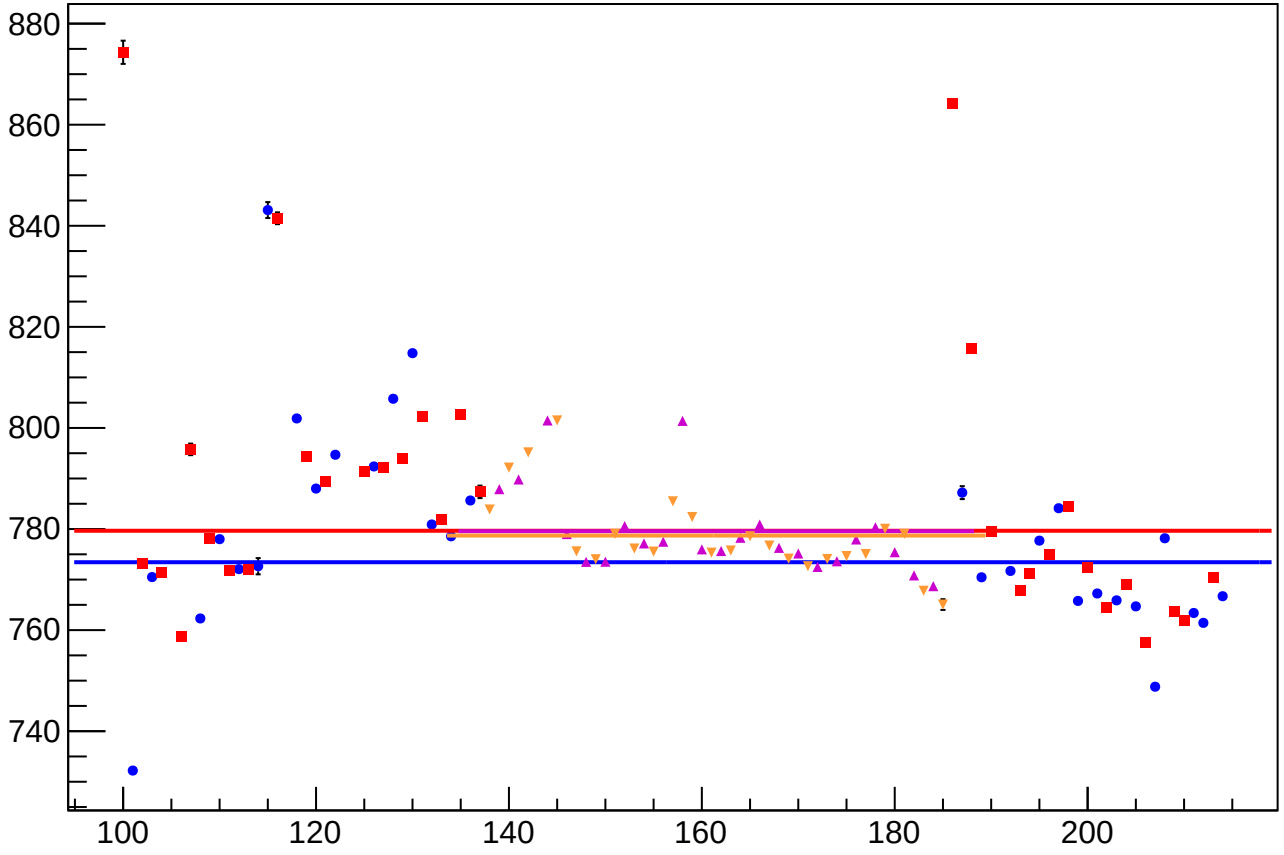
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

\+ sign 2058.213+/-127.756 χ^2/NDF: 26.7/53

All: -11.519+/-90.487 χ^2/NDF: 606.3/108

\- sign -2095.054+/-128.182 χ^2/NDF: 52.9/54

reg_asym_us_avg_rms vs Slug



Right In: 773.434+/-0.128 χ^2/NDF: 17890.3/29

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

Right Out: 779.659+/-0.128 χ^2/NDF: 25510.4/31

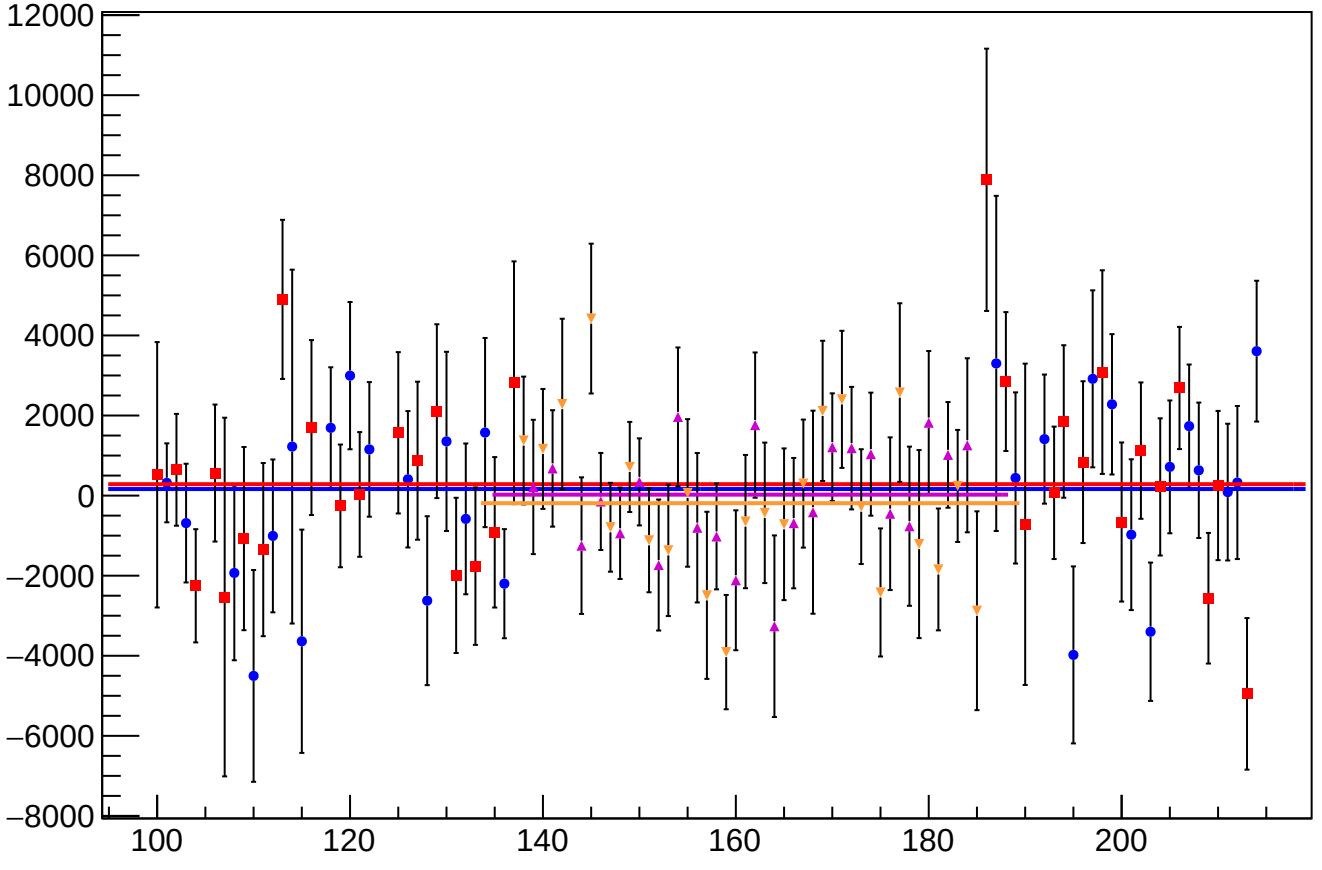
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

\+ sign 776.069+/-0.090 χ^2/NDF: 22132.3/53

All: 777.837+/-0.064 χ^2/NDF: 52584.6/108

\- sign 779.617+/-0.091 χ^2/NDF: 29683.6/54

asym_us_avg_reg_correction_mean vs Slug



Right In: 163.739+/-329.059 χ^2/NDF: 33.4/29

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

Right Out: 284.866+/-339.536 χ^2/NDF: 38.6/31

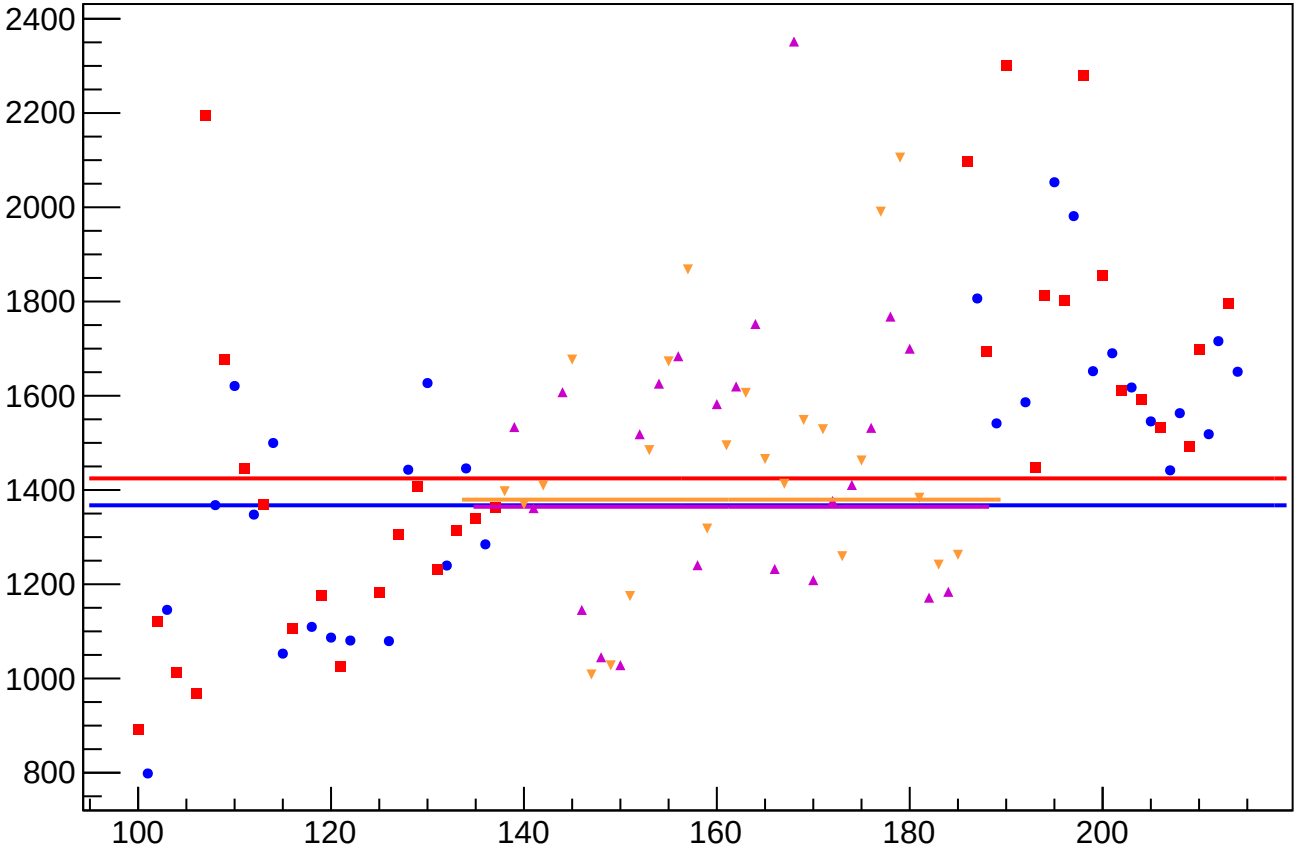
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -13.377+/-232.189 χ^2/NDF: 63.6/53

All: 66.767+/-165.197 χ^2/NDF: 116.2/108

- sign 148.923+/-235.085 χ^2/NDF: 52.4/54

asym_us_avg_reg_correction_rms vs Slug



Right In: 1367.512+/-0.233 χ^2/NDF: 1786007.0/29

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

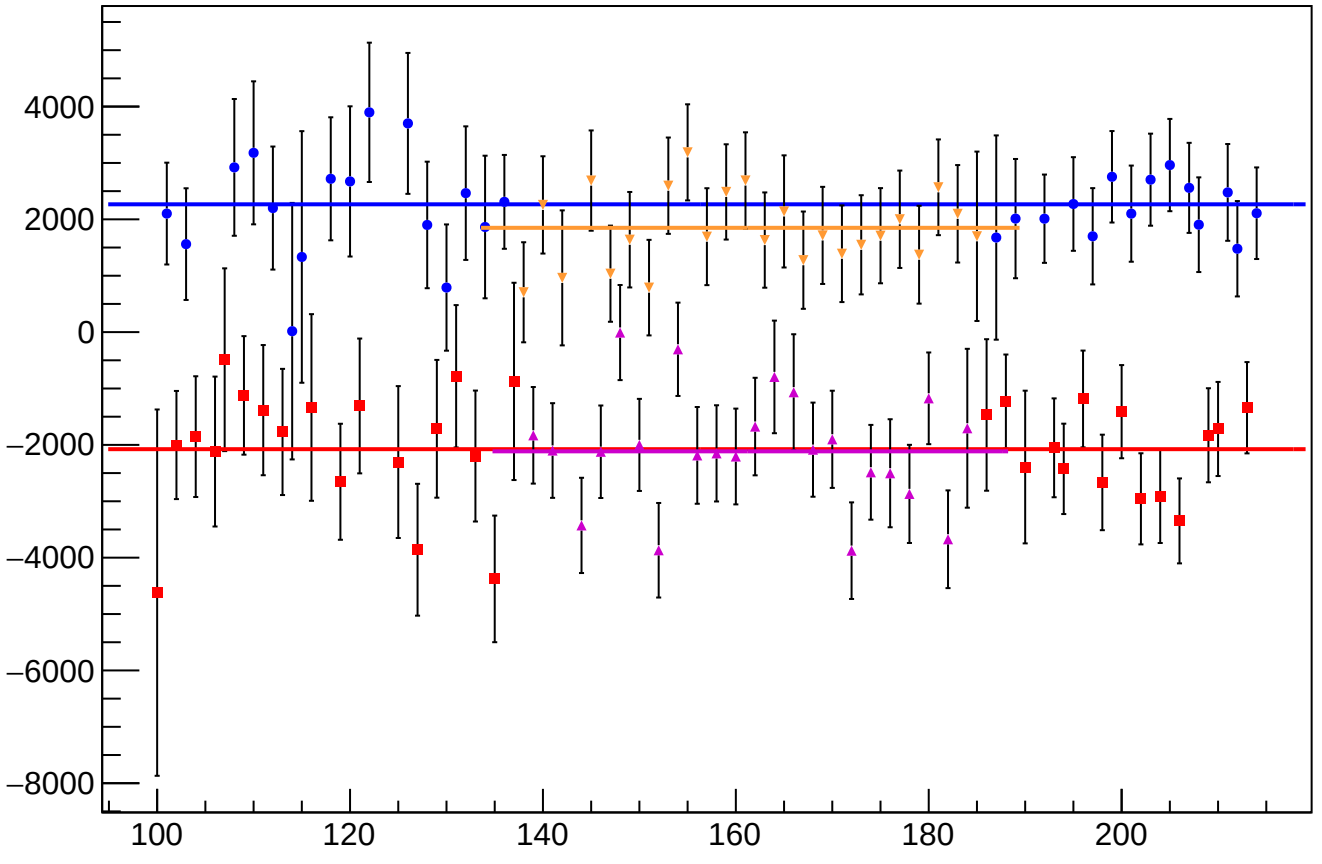
Right Out: 1424.610+/-0.240 χ^2/NDF: 1716266.4/31

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

+ sign 1373.549+/-0.164 χ^2/NDF: 2945816.4/53

All: 1383.287+/-0.117 χ^2/NDF: 6014236.7/10

- sign 1393.270+/-0.166 χ^2/NDF: 3061296.3/54



Right In: 2266.538+/-180.610 χ^2/NDF: 11.2/29

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

Right Out: -2075.983+/-180.534 χ^2/NDF: 21.8/31

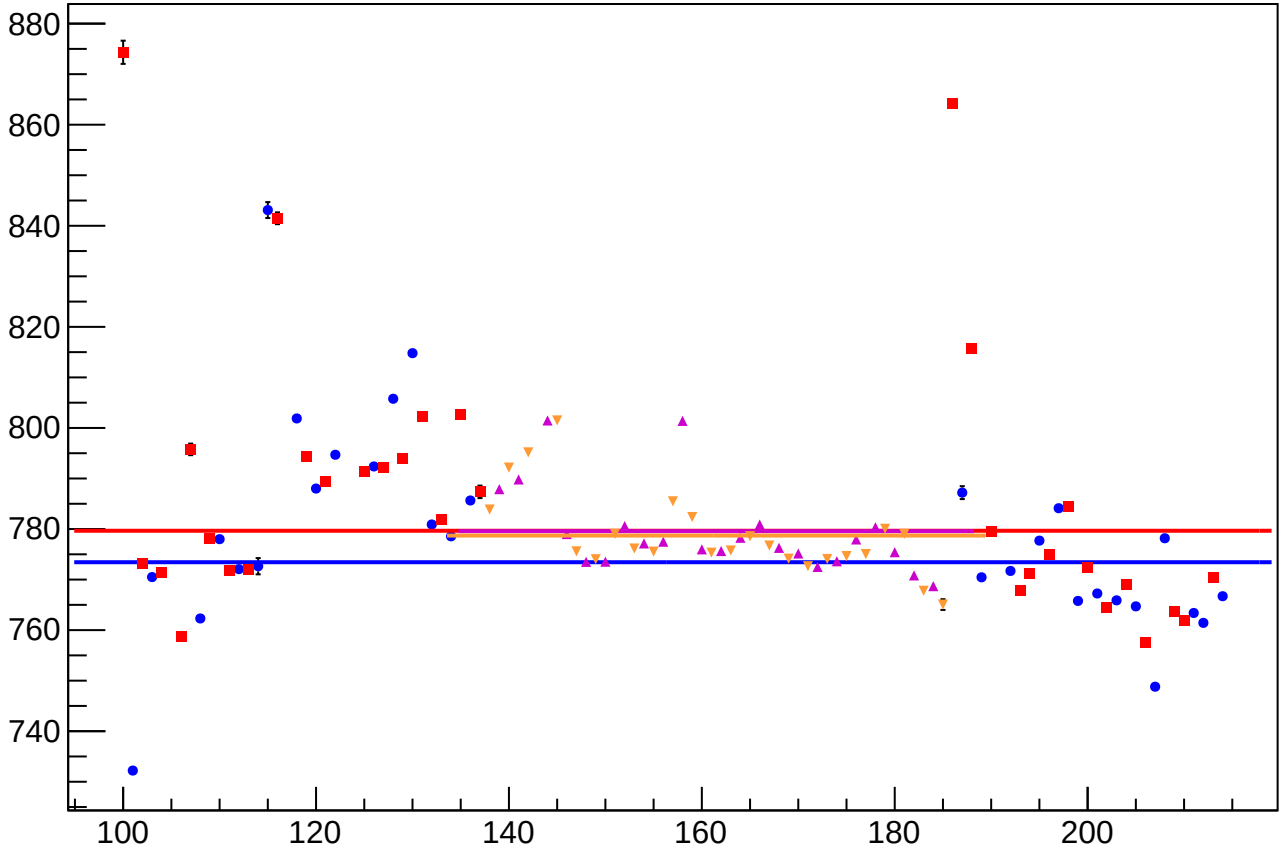
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2058.213+/-127.756 χ^2/NDF: 26.7/53

All: -11.519+/-90.487 χ^2/NDF: 606.3/108

- sign -2095.054+/-128.182 χ^2/NDF: 52.9/54

cor_asym_us_avg_rms vs Slug



Right In: 773.434+/-0.128 χ^2/NDF: 17890.3/29

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

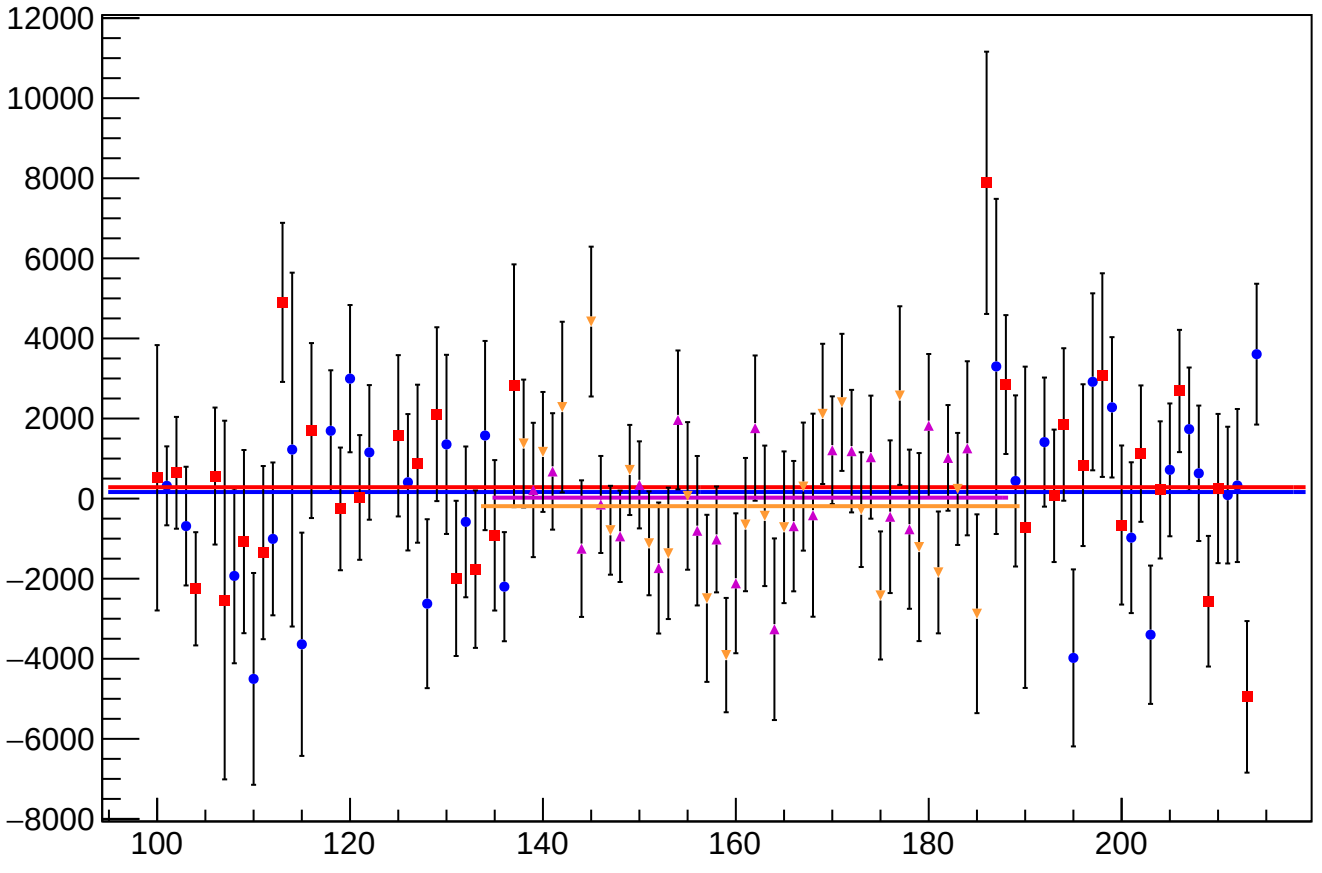
Right Out: 779.659+/-0.128 χ^2/NDF: 25510.4/31

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

\+ sign 776.069+/-0.090 χ^2/NDF: 22132.3/53

All: 777.837+/-0.064 χ^2/NDF: 52584.6/108

\- sign 779.617+/-0.091 χ^2/NDF: 29683.6/54



Right In: 163.739+/-329.059 χ^2/NDF: 33.4/29

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

Right Out: 284.866+/-339.536 χ^2/NDF: 38.6/31

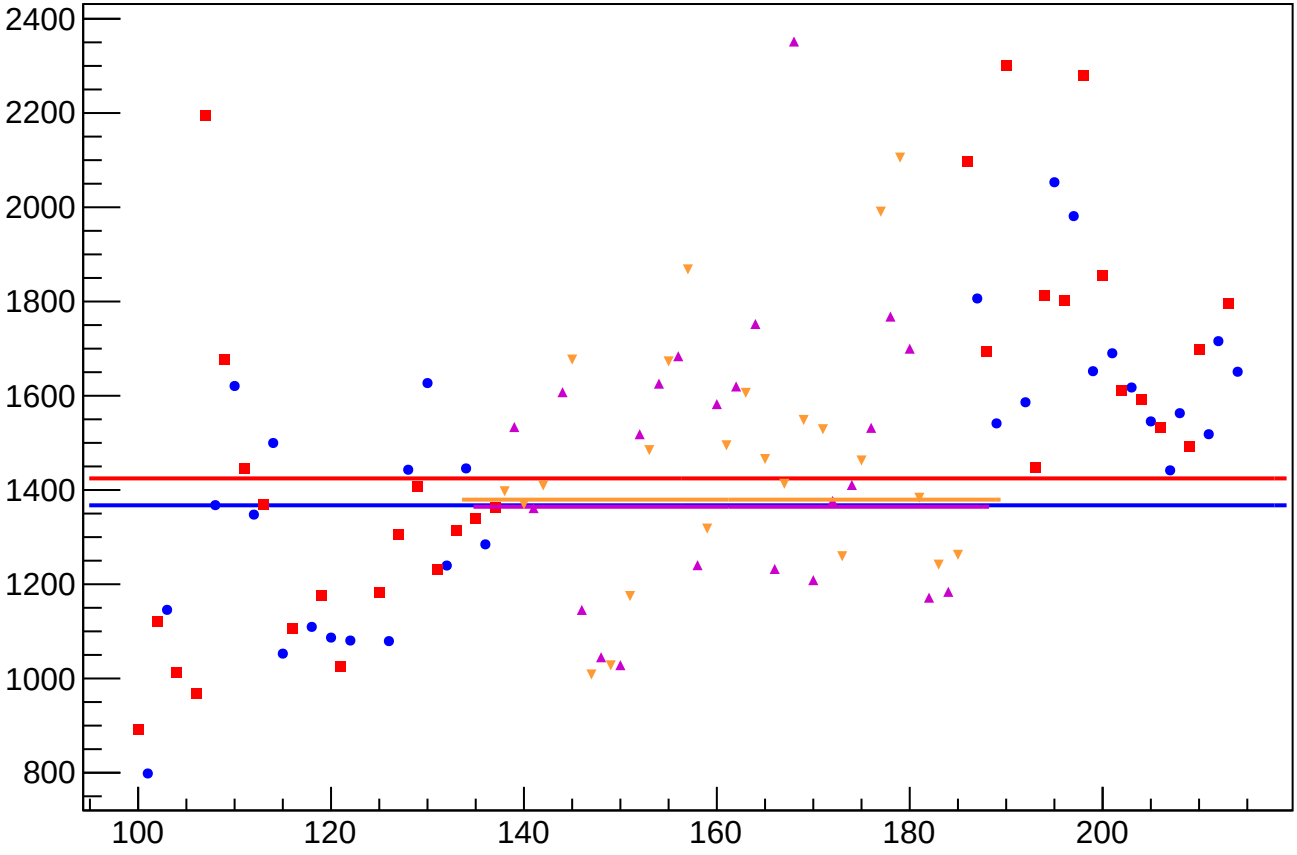
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -13.377+/-232.189 χ^2/NDF: 63.6/53

All: 66.767+/-165.197 χ^2/NDF: 116.2/108

- sign 148.923+/-235.085 χ^2/NDF: 52.4/54

asym_us_avg_cor_correction_rms vs Slug



Right In: 1367.512+/-0.233 χ^2/NDF: 1786007.0/29

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

Right Out: 1424.610+/-0.240 χ^2/NDF: 1716266.4/31

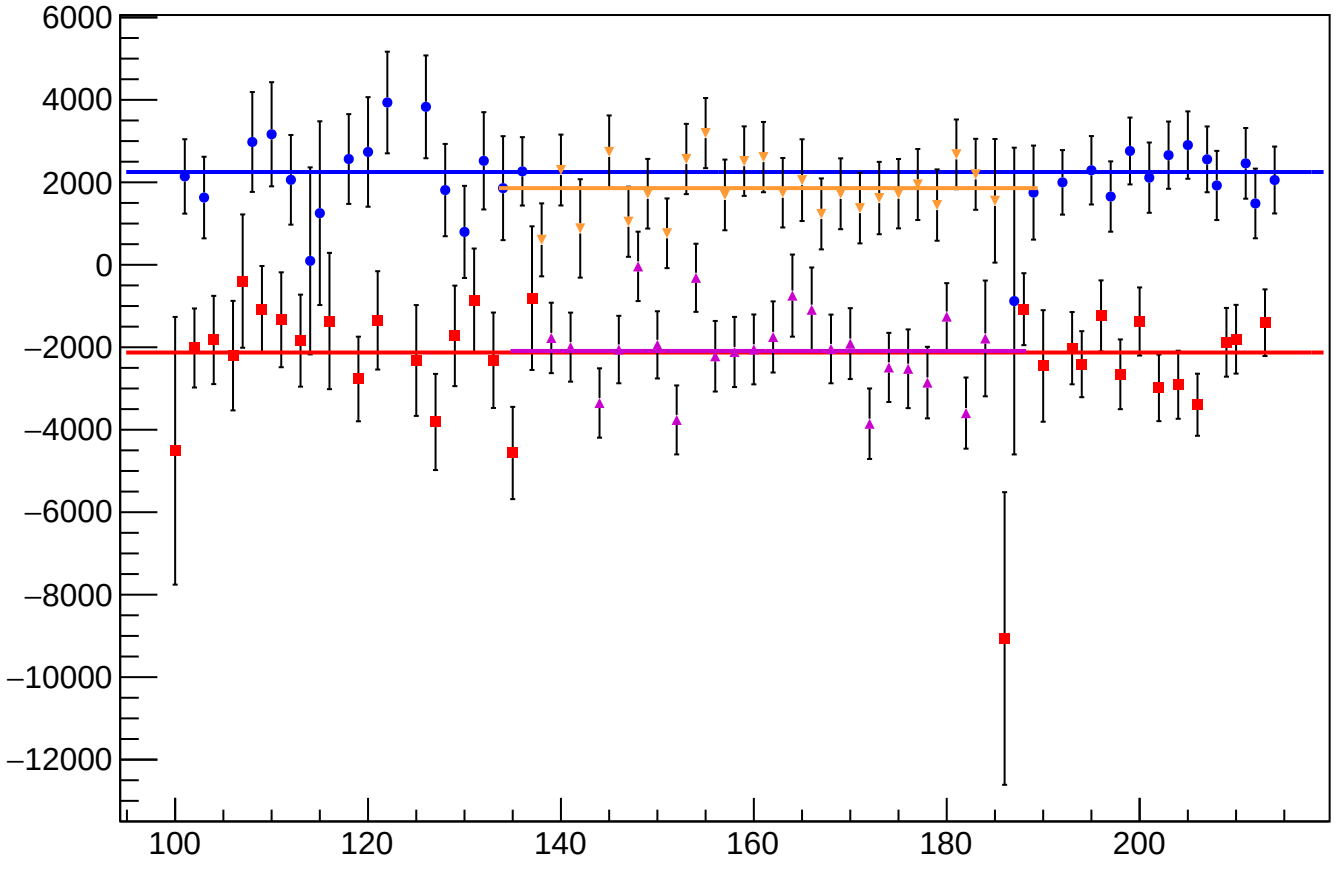
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1373.549+/-0.164 χ^2/NDF: 2945816.4/53

All: 1383.287+/-0.117 χ^2/NDF: 6014236.7/10

- sign 1393.270+/-0.166 χ^2/NDF: 3061296.3/54

overload_cor_asym_us_avg_mean vs Slug



Right In: 2250.031+/-181.399 χ^2/NDF: 12.2/29

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

Right Out: -2127.472+/-182.102 χ^2/NDF: 26.6/31

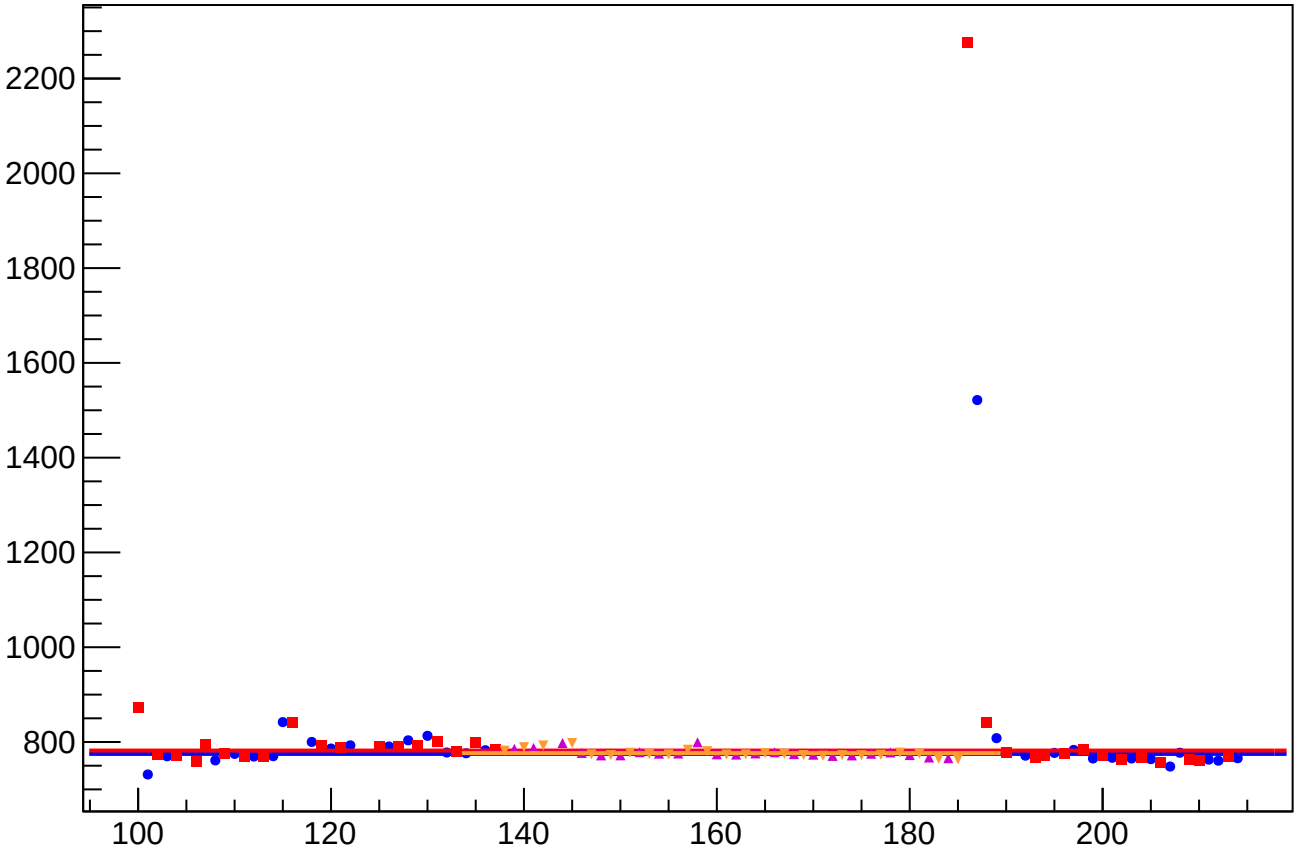
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2053.518+/-127.853 χ^2/NDF: 28.0/53

All: -15.980+/-90.655 χ^2/NDF: 611.1/108

- sign -2108.422+/-128.560 χ^2/NDF: 56.2/54

overload_cor_asym_us_avg_rms vs Slug



Right In: 774.881+/-0.128 χ^2/NDF: 99739.1/29

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

Right Out: 781.945+/-0.129 χ^2/NDF: 379057.9/31

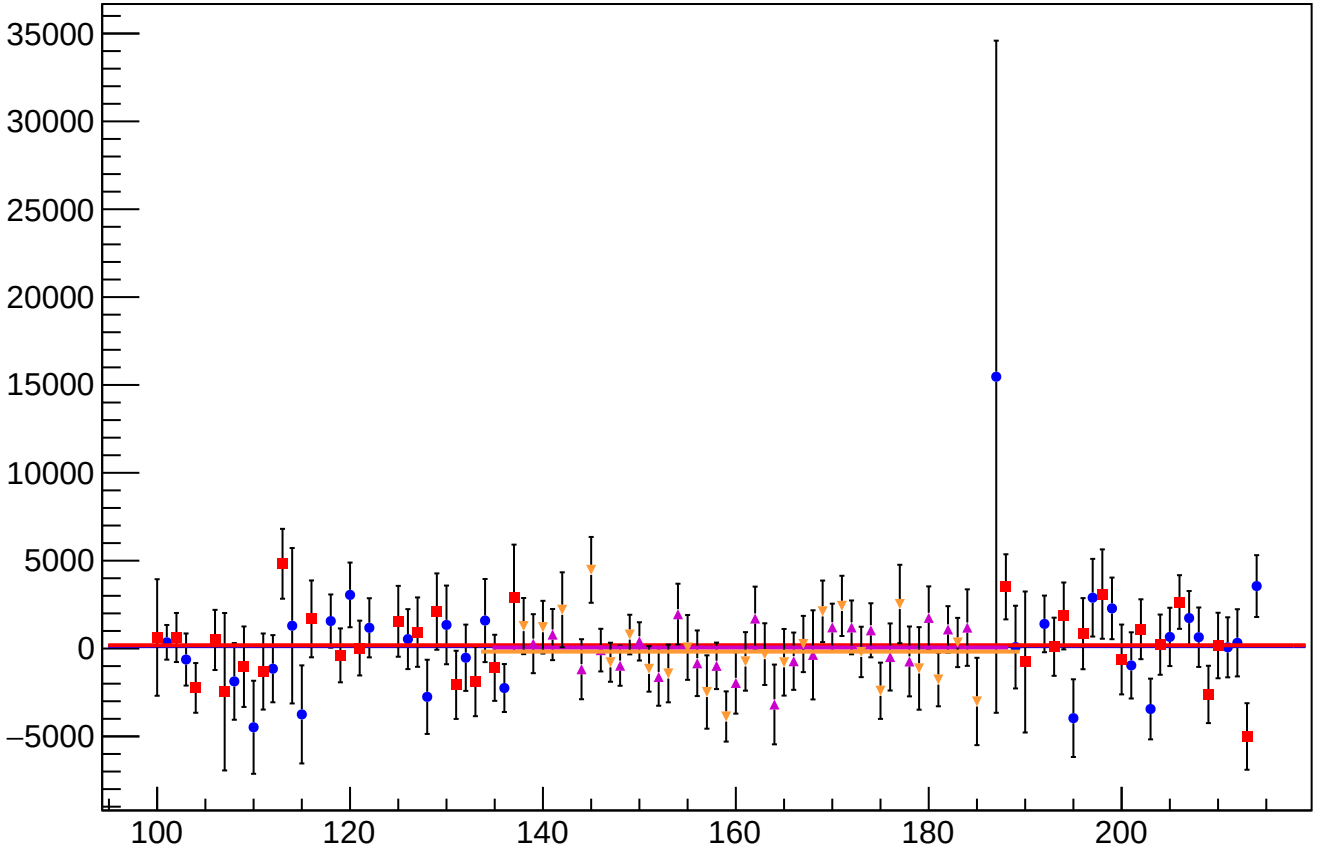
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 775.707+/-0.090 χ^2/NDF: 102958.7/53

All: 777.679+/-0.064 χ^2/NDF: 487656.2/108

- sign 779.672+/-0.091 χ^2/NDF: 383741.4/54

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 135.796+/-330.942 χ^2/NDF: 33.6/29

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

Right Out: 186.834+/-342.404 χ^2/NDF: 34.3/30

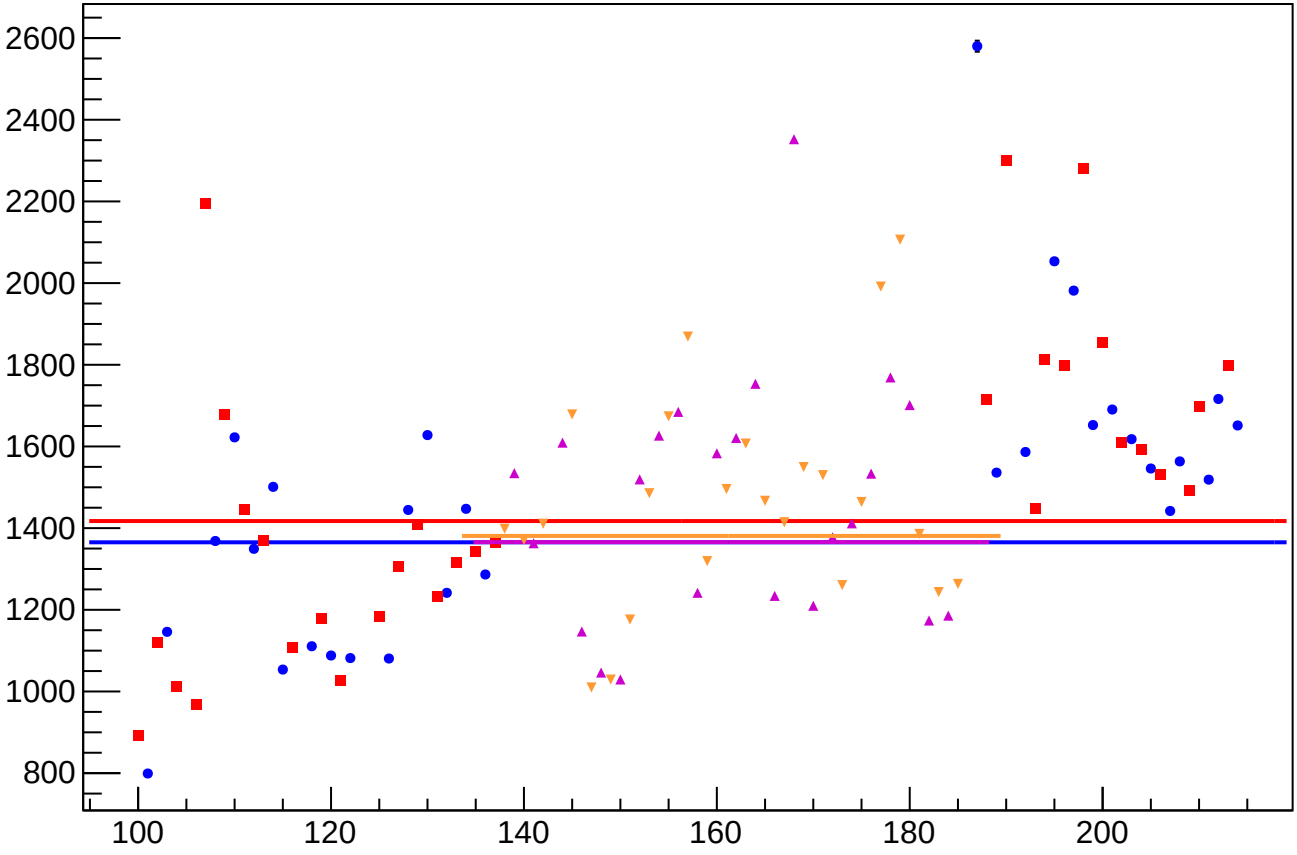
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -20.960+/-232.961 χ^2/NDF: 63.7/53

All: 46.868+/-165.844 χ^2/NDF: 111.2/107

- sign 116.566+/-236.150 χ^2/NDF: 47.4/53

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1365.290+/-0.234 χ^2/NDF: 1764000.3/29

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

Right Out: 1417.369+/-0.242 χ^2/NDF: 1625063.5/30

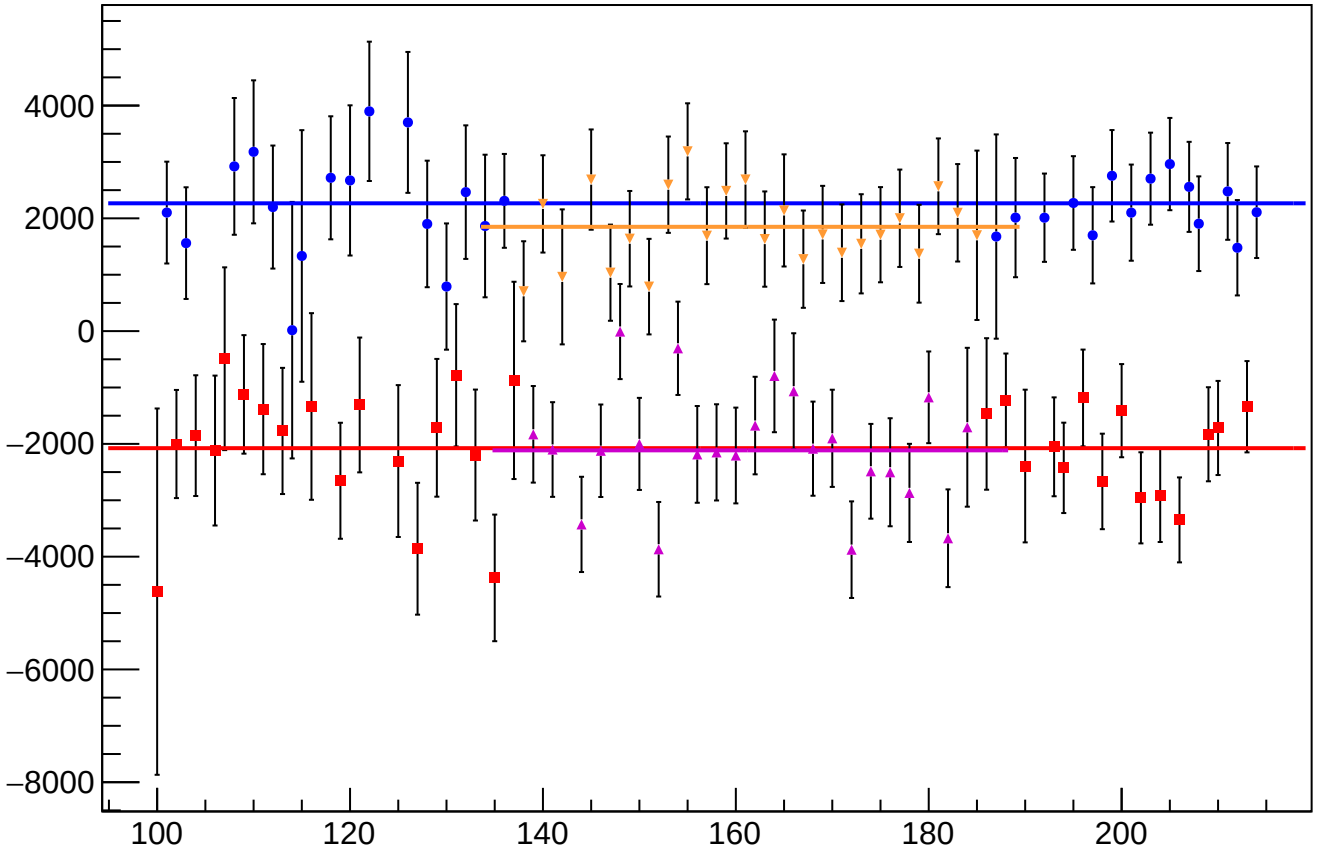
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1373.191+/-0.165 χ^2/NDF: 2921697.9/53

All: 1381.647+/-0.117 χ^2/NDF: 5884742.4/10

- sign 1390.335+/-0.167 χ^2/NDF: 2957702.4/53

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2266.538+/-180.610 χ^2/NDF: 11.2/29

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

Right Out: -2075.983+/-180.534 χ^2/NDF: 21.8/31

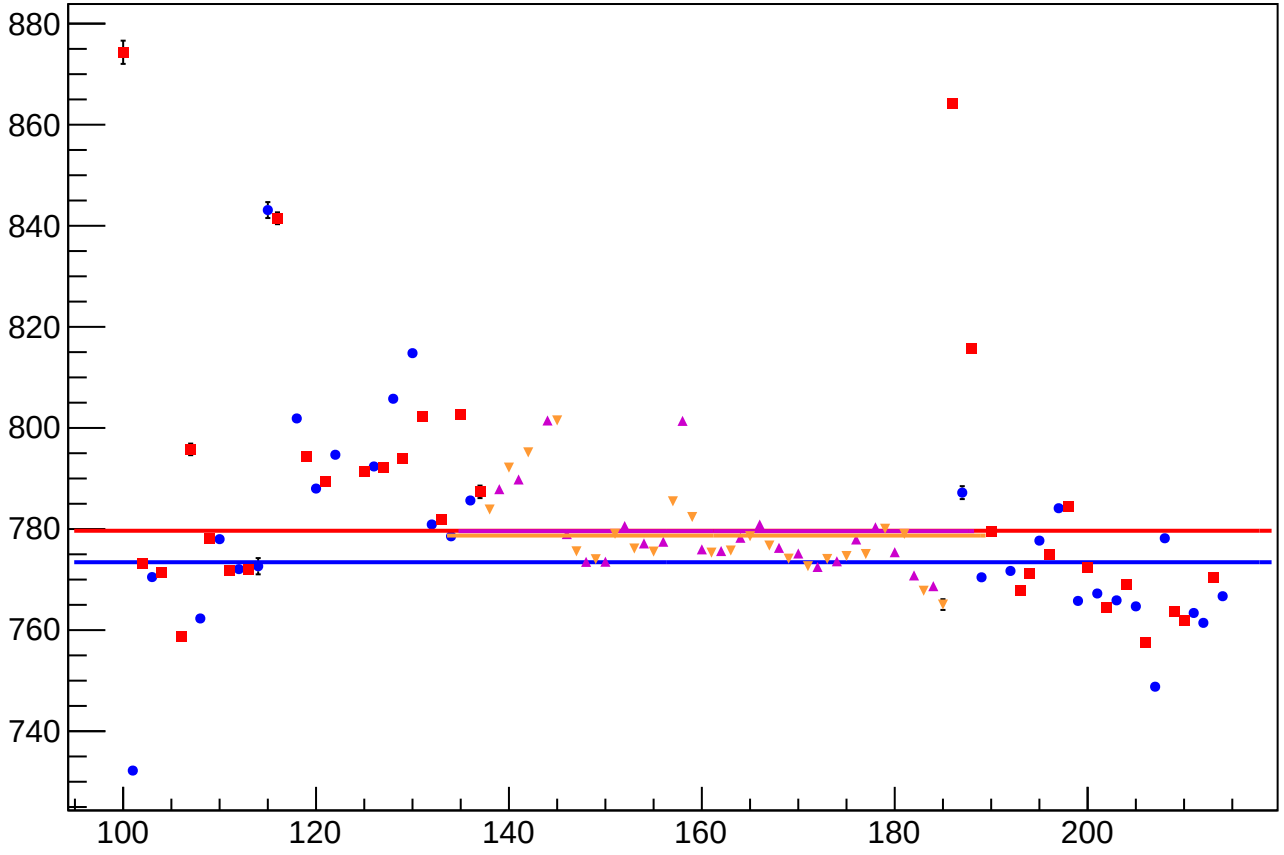
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2058.213+/-127.756 χ^2/NDF: 26.7/53

All: -11.519+/-90.487 χ^2/NDF: 606.3/108

- sign -2095.054+/-128.182 χ^2/NDF: 52.9/54

eigen_cor_asym_us_avg_rms vs Slug



Right In: 773.434+/-0.128 χ^2/NDF: 17890.3/29

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

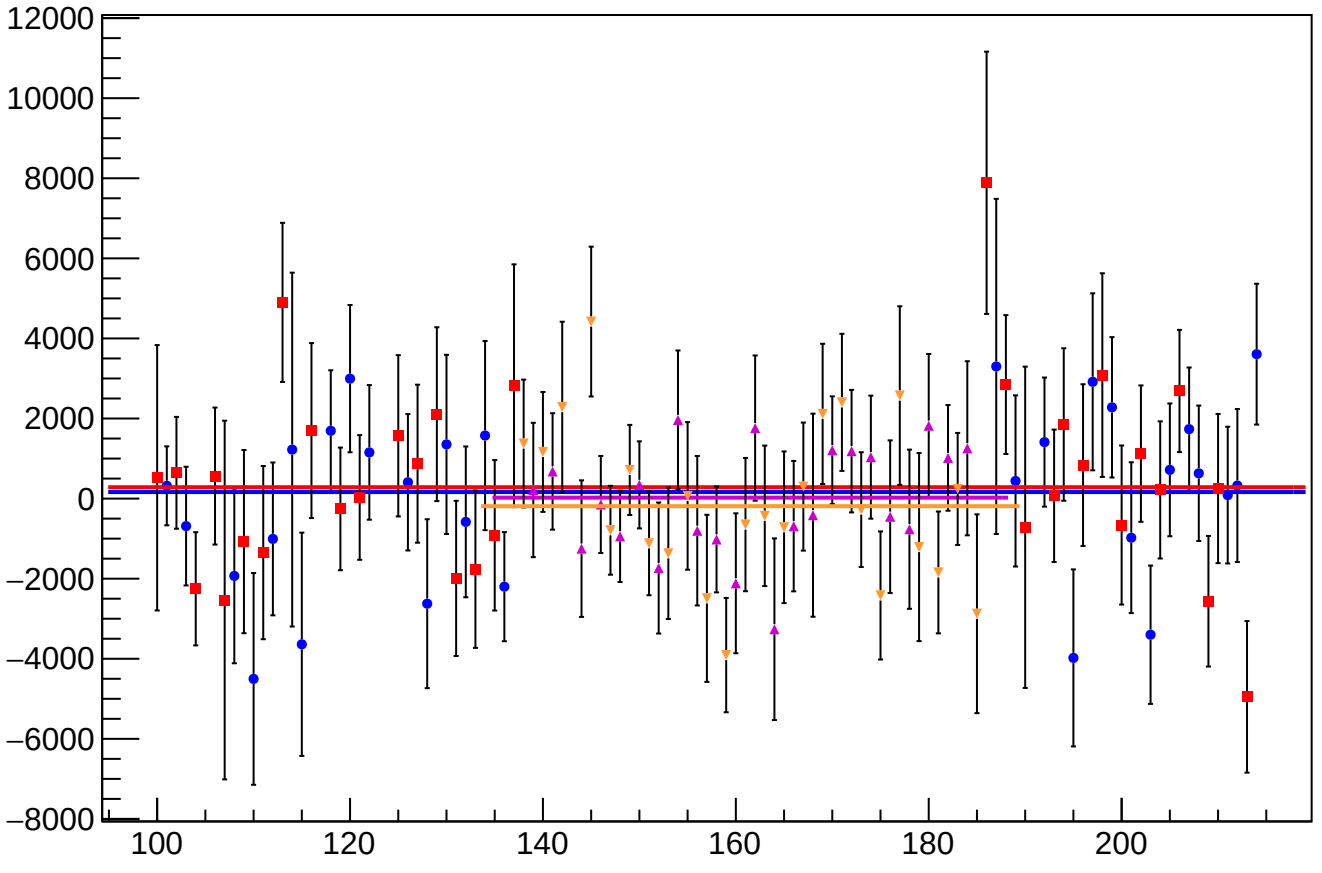
Right Out: 779.659+/-0.128 χ^2/NDF: 25510.4/31

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

\+ sign 776.069+/-0.090 χ^2/NDF: 22132.3/53

All: 777.837+/-0.064 χ^2/NDF: 52584.6/108

\- sign 779.617+/-0.091 χ^2/NDF: 29683.6/54



Right In: 163.739+/-329.059 χ^2/NDF: 33.4/29

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

Right Out: 284.866+/-339.536 χ^2/NDF: 38.6/31

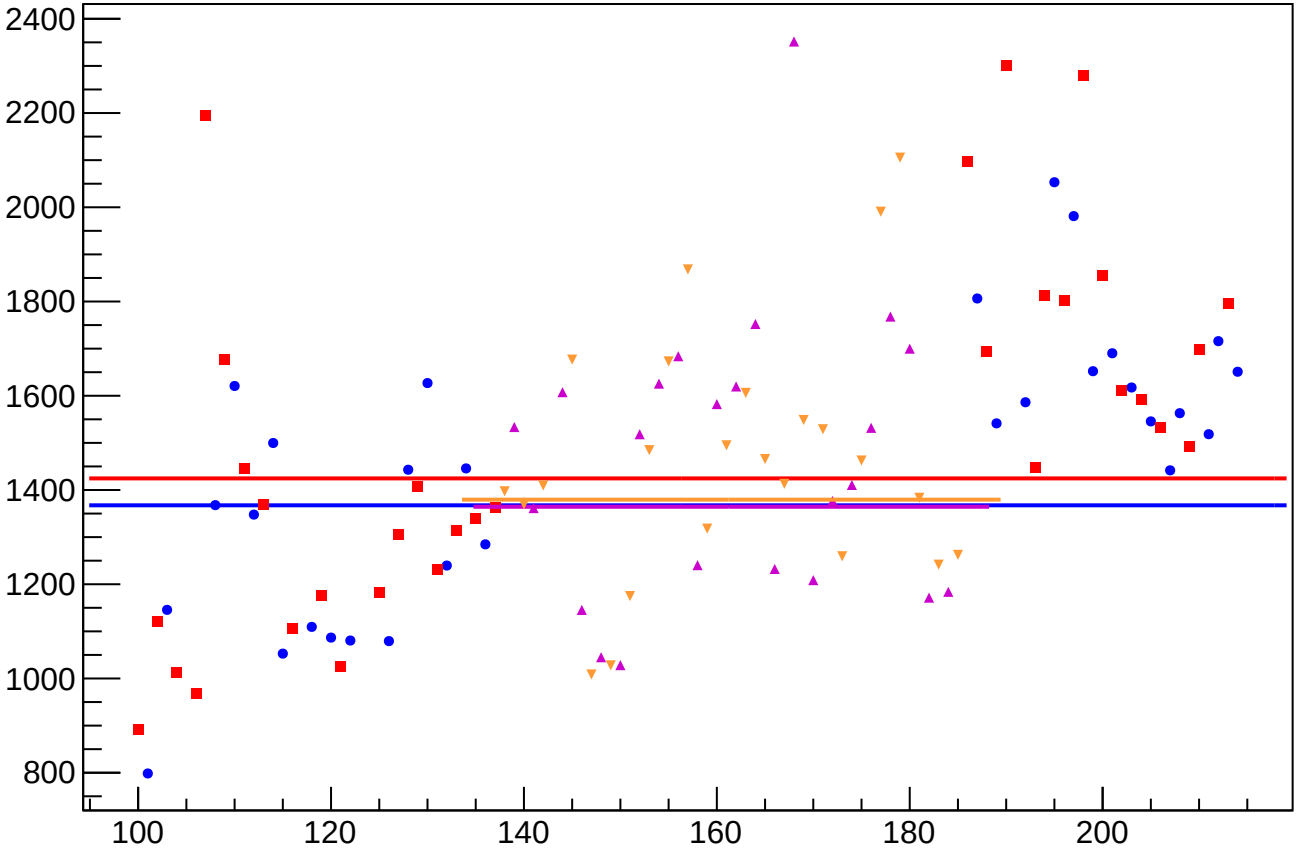
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -13.377+/-232.189 χ^2/NDF: 63.6/53

All: 66.767+/-165.197 χ^2/NDF: 116.2/108

- sign 148.923+/-235.085 χ^2/NDF: 52.4/54

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1367.512+/-0.233 χ^2/NDF: 1786007.0/29

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

Right Out: 1424.610+/-0.240 χ^2/NDF: 1716266.4/31

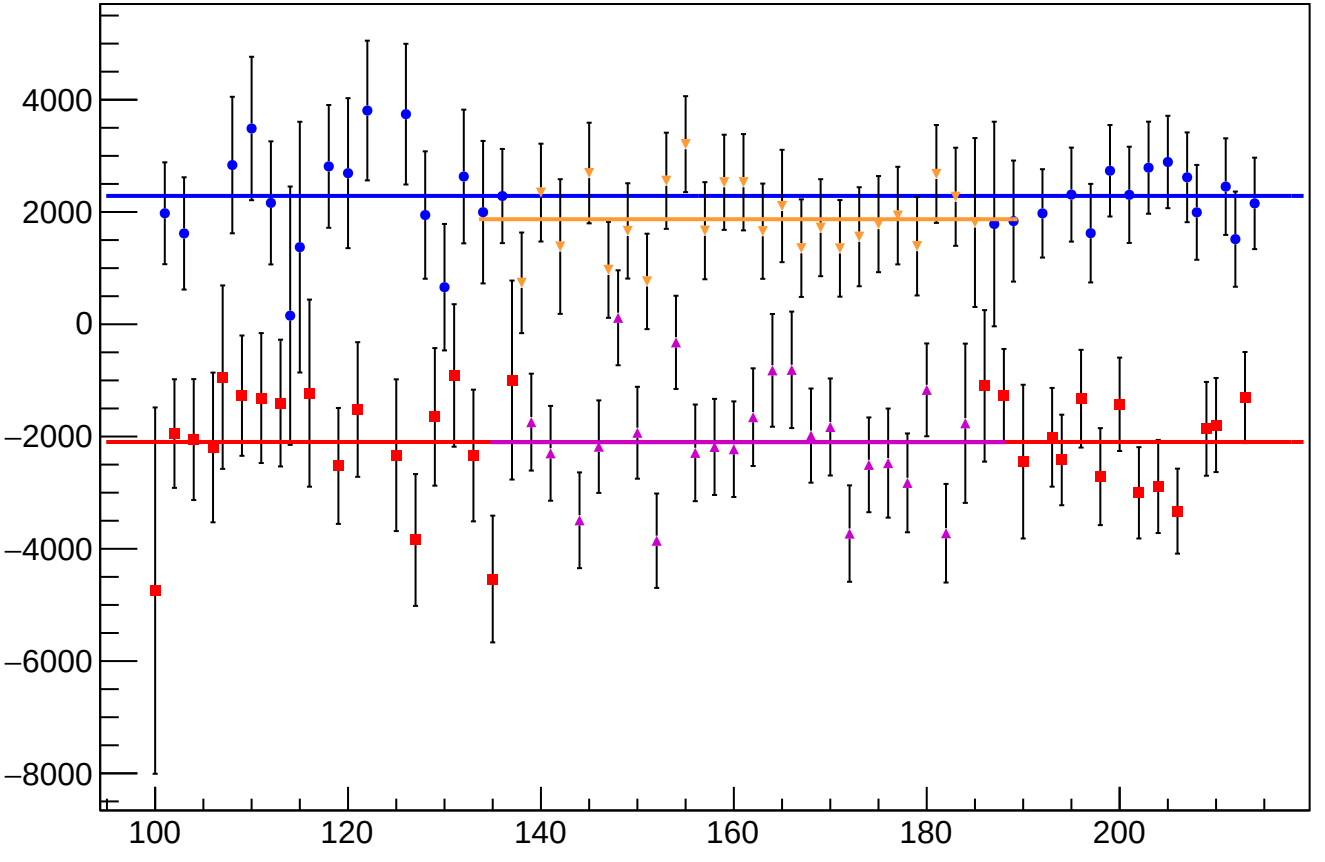
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1373.549+/-0.164 χ^2/NDF: 2945816.4/53

All: 1383.287+/-0.117 χ^2/NDF: 6014236.7/10

- sign 1393.270+/-0.166 χ^2/NDF: 3061296.3/54

dit_asym_us_avg_mean vs Slug



Right In: 2286.669+/-181.797 χ^2/NDF: 11.5/29

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

Right Out: -2097.035+/-181.728 χ^2/NDF: 21.3/31

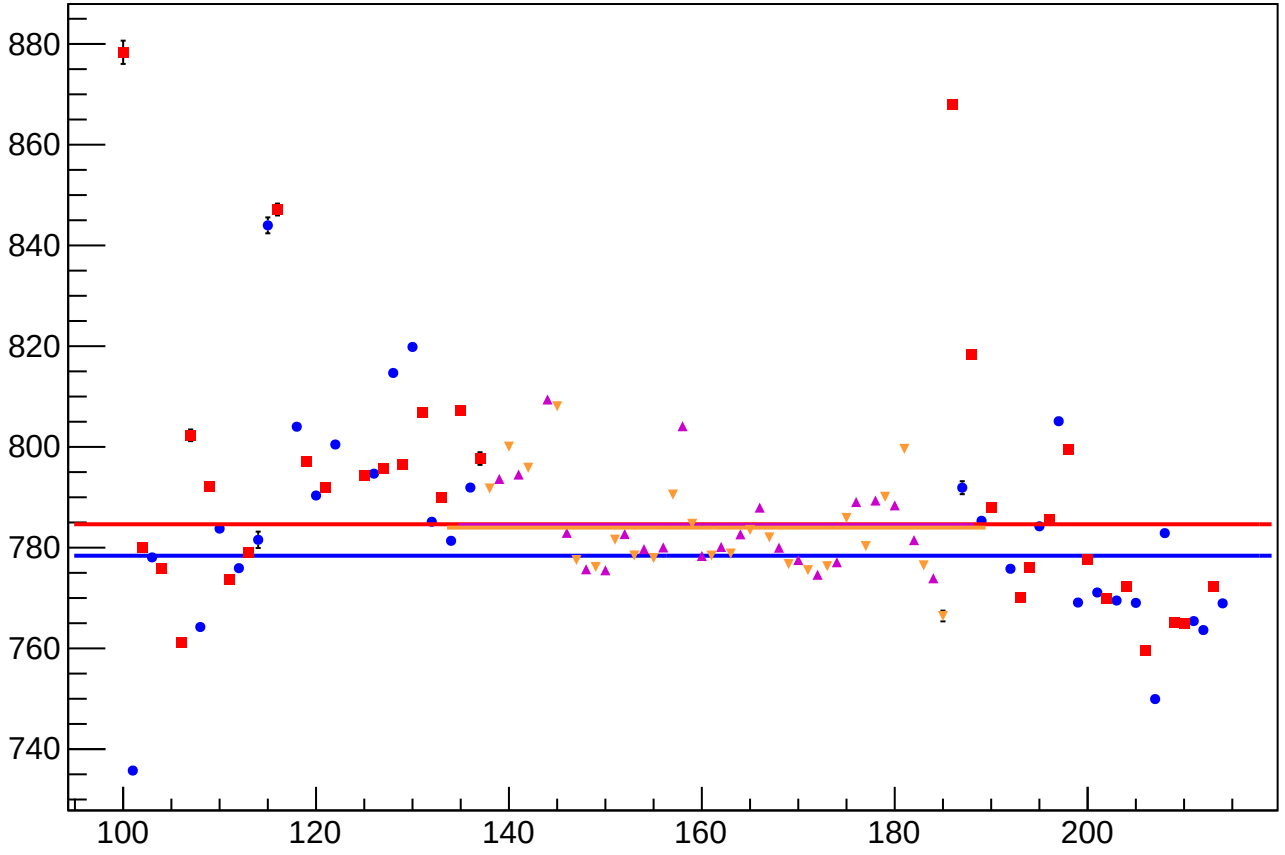
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2079.268+/-128.613 χ^2/NDF: 26.6/53

All: -3.424+/-91.084 χ^2/NDF: 605.8/108

- sign -2099.025+/-129.011 χ^2/NDF: 53.1/54

dit_asym_us_avg_rms vs Slug



Right In: 778.398+/-0.129 χ^2/NDF: 21017.5/29

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

Right Out: 784.646+/-0.129 χ^2/NDF: 26579.9/31

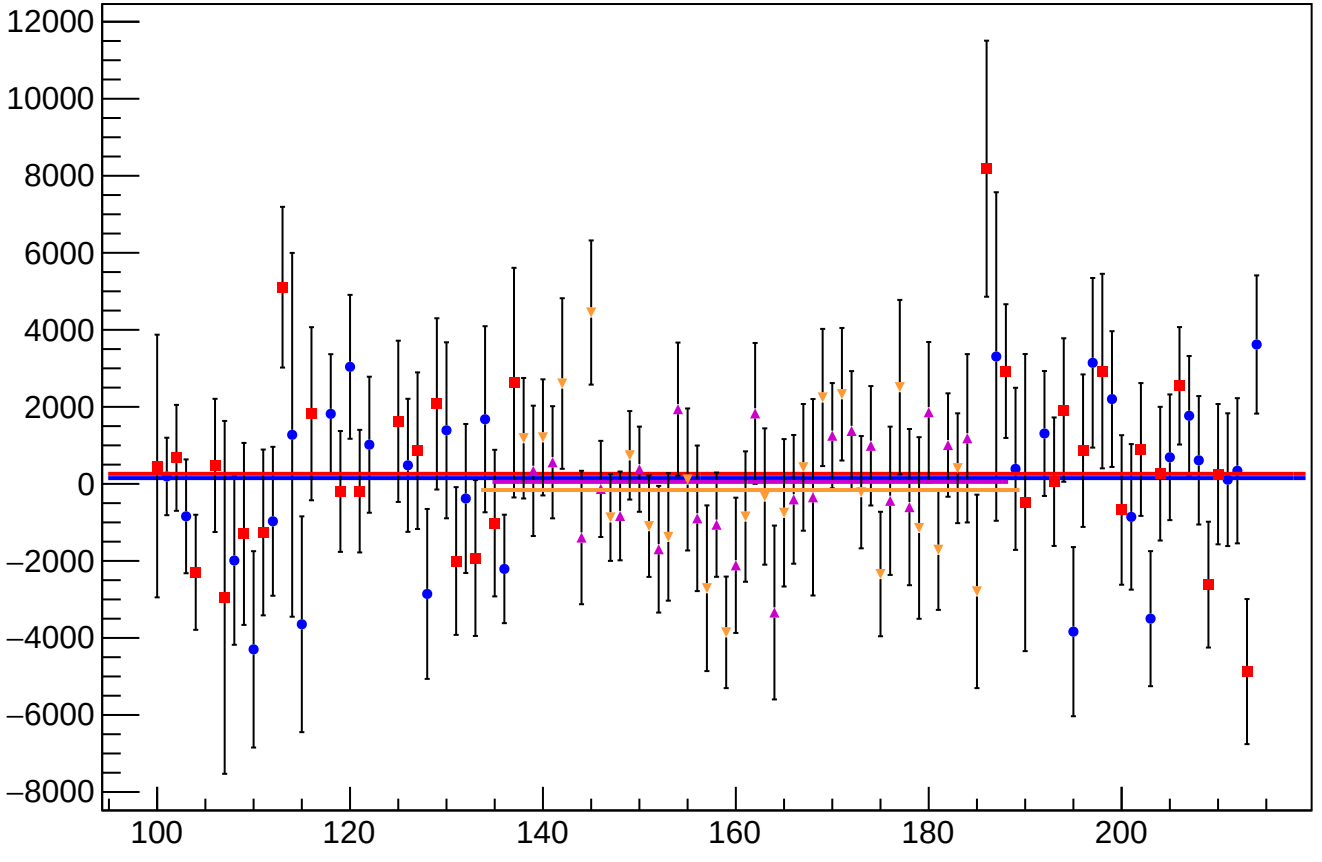
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 781.187+/-0.091 χ^2/NDF: 26887.7/53

All: 782.868+/-0.064 χ^2/NDF: 59081.8/108

- sign 784.560+/-0.091 χ^2/NDF: 31508.5/54

asym_us_avg_dit_correction_mean vs Slug



Right In: 149.662+/-332.802 χ^2/NDF: 33.2/29

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

Right Out: 260.936+/-342.676 χ^2/NDF: 38.6/31

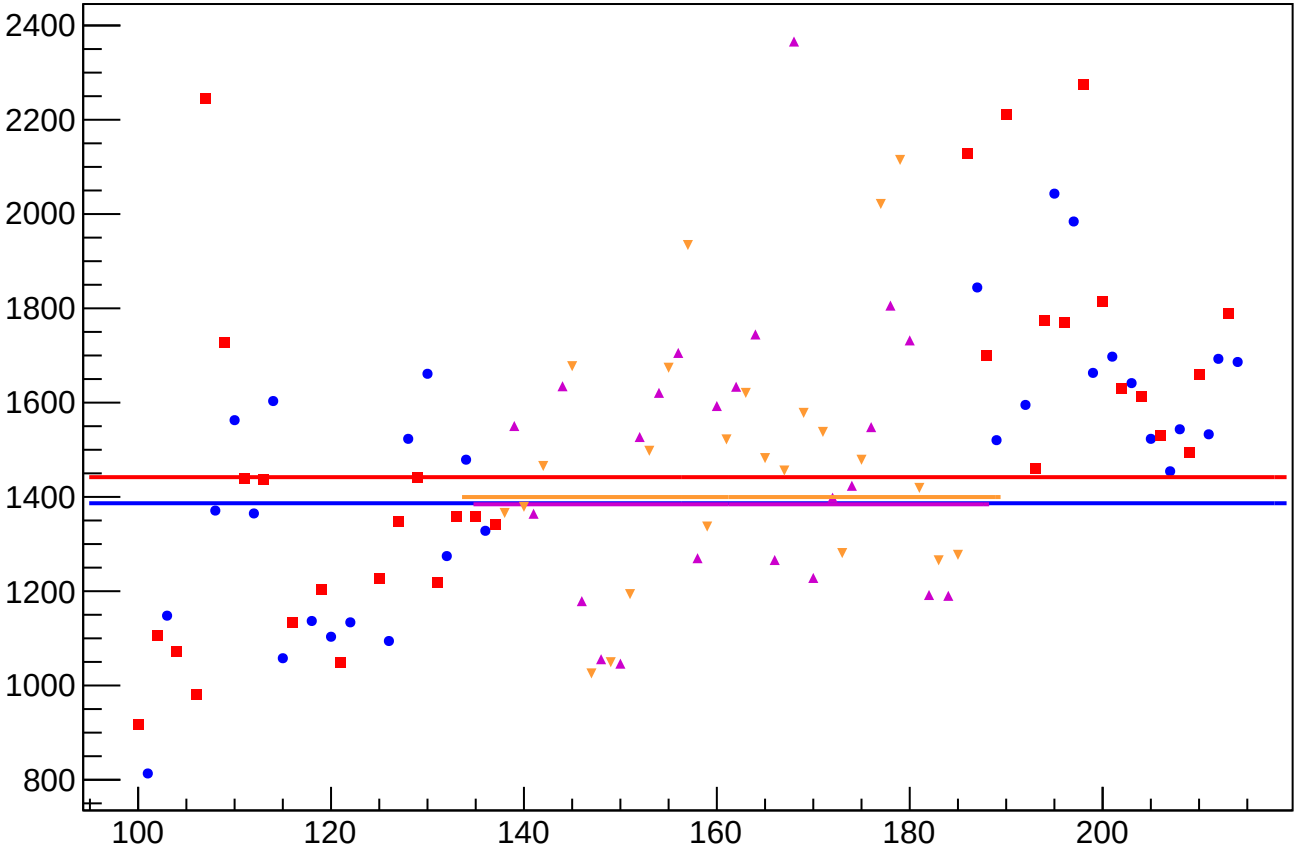
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -5.090+/-235.110 χ^2/NDF: 62.7/53

All: 72.858+/-167.183 χ^2/NDF: 115.1/108

- sign 152.584+/-237.777 χ^2/NDF: 52.2/54

asym_us_avg_dit_correction_rms vs Slug



Right In: 1386.586+/-0.235 χ^2/NDF: 1683844.9/29

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

Right Out: 1441.919+/-0.242 χ^2/NDF: 1557335.1/31

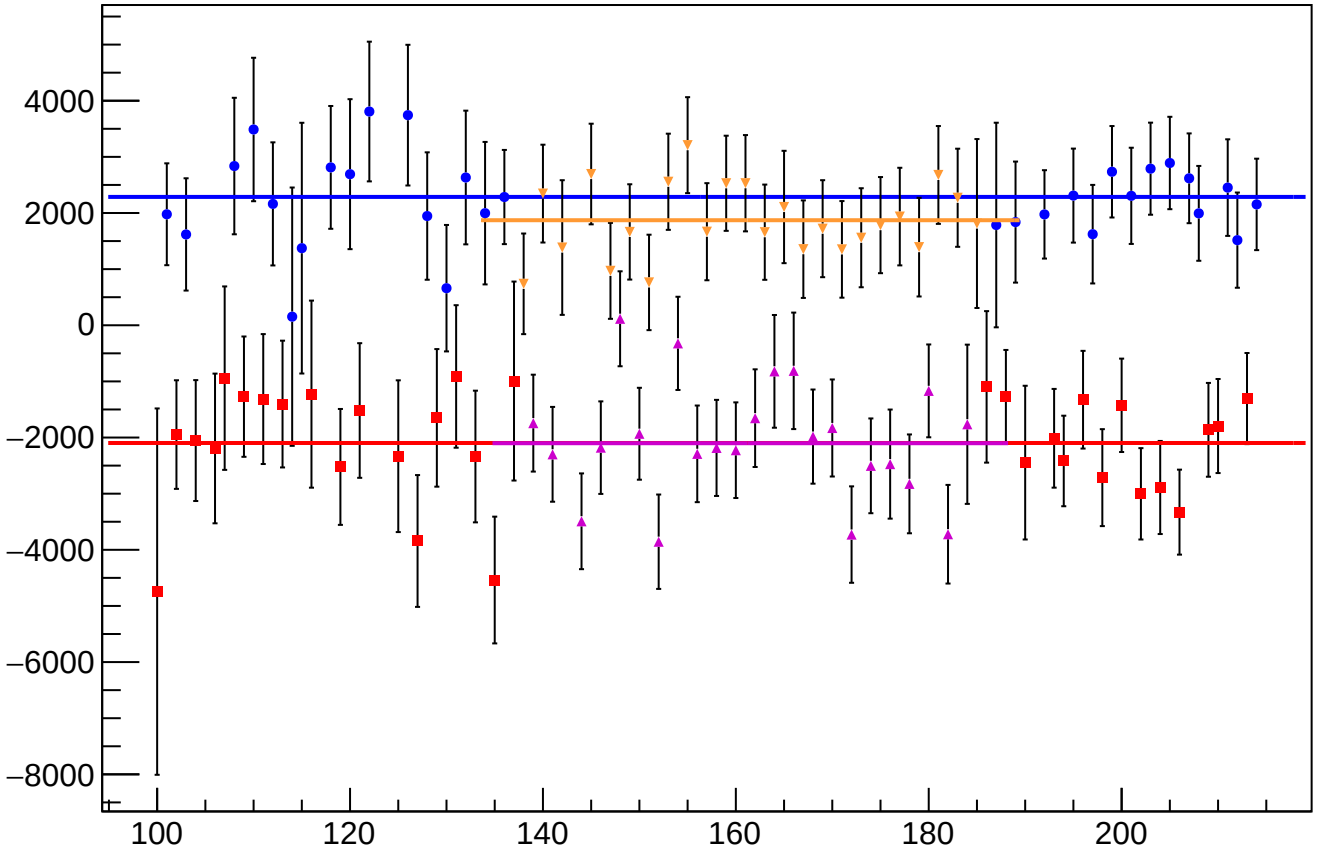
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1393.163+/-0.166 χ^2/NDF: 2821754.8/53

All: 1402.505+/-0.118 χ^2/NDF: 5684699.4/10

- sign 1412.060+/-0.168 χ^2/NDF: 2856558.0/54

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2286.670+/-181.797 χ^2/NDF: 11.5/29

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

Right Out: -2097.034+/-181.728 χ^2/NDF: 21.3/31

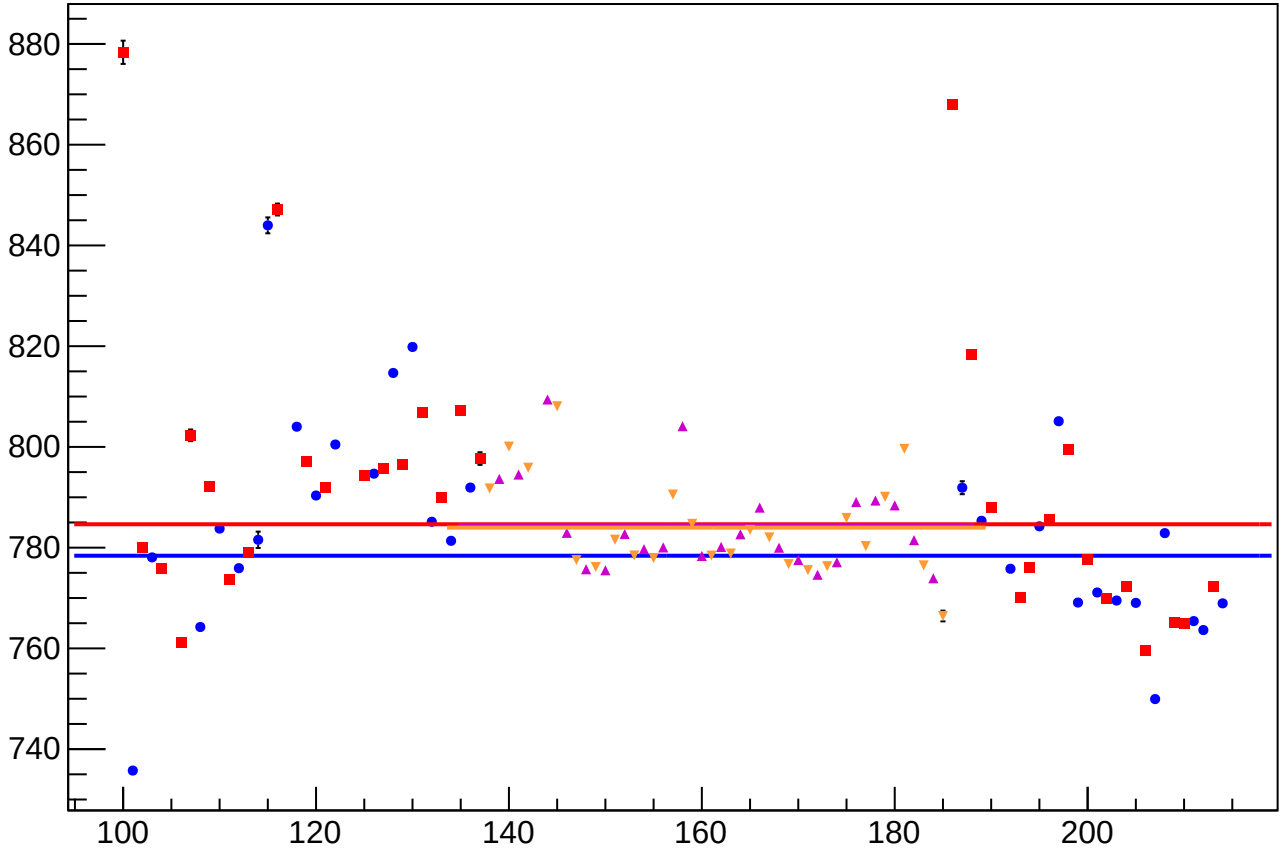
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2079.268+/-128.613 χ^2/NDF: 26.6/53

All: -3.424+/-91.084 χ^2/NDF: 605.8/108

- sign -2099.024+/-129.011 χ^2/NDF: 53.1/54

eigen_dit_asym_us_avg_rms vs Slug



Right In: 778.398+/-0.129 χ^2/NDF: 21017.4/29

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

Right Out: 784.646+/-0.129 χ^2/NDF: 26579.8/31

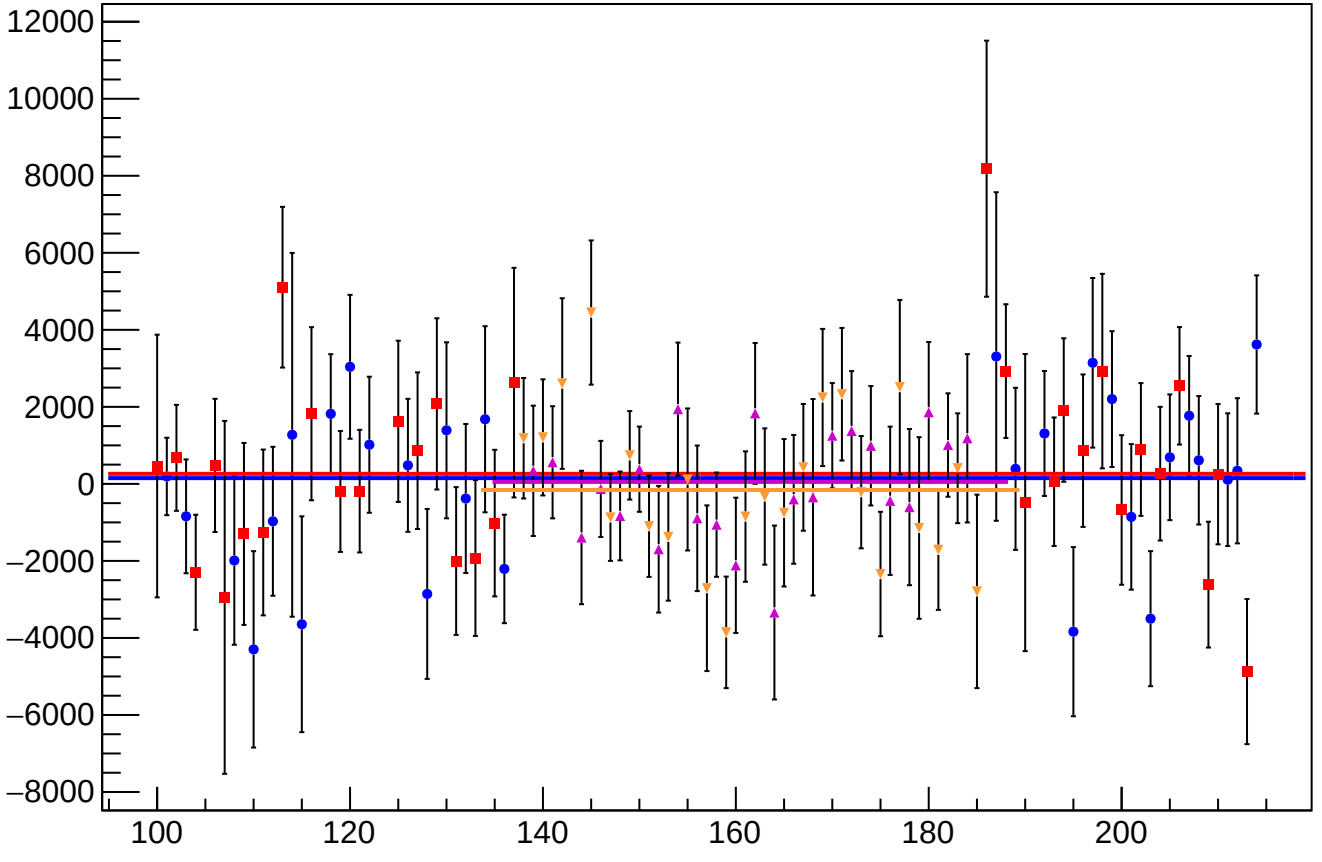
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 781.187+/-0.091 χ^2/NDF: 26887.6/53

All: 782.868+/-0.064 χ^2/NDF: 59081.6/108

- sign 784.560+/-0.091 χ^2/NDF: 31508.5/54

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 149.661+/-332.802 χ^2/NDF: 33.2/29

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

Right Out: 260.934+/-342.676 χ^2/NDF: 38.6/31

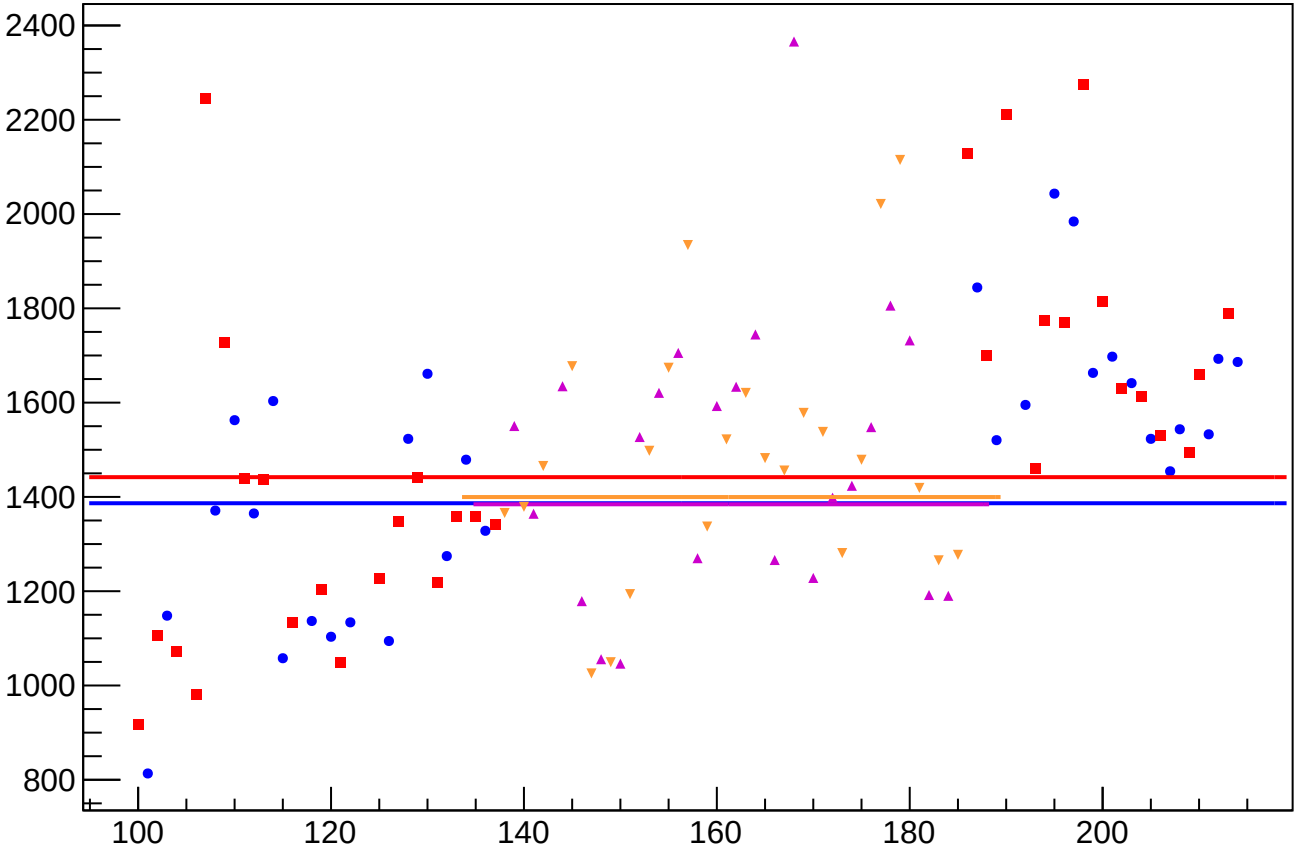
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -5.092+/-235.110 χ^2/NDF: 62.7/53

All: 72.857+/-167.183 χ^2/NDF: 115.1/108

- sign 152.584+/-237.777 χ^2/NDF: 52.2/54

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1386.585+/-0.235 χ^2/NDF: 1683866.3/29

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

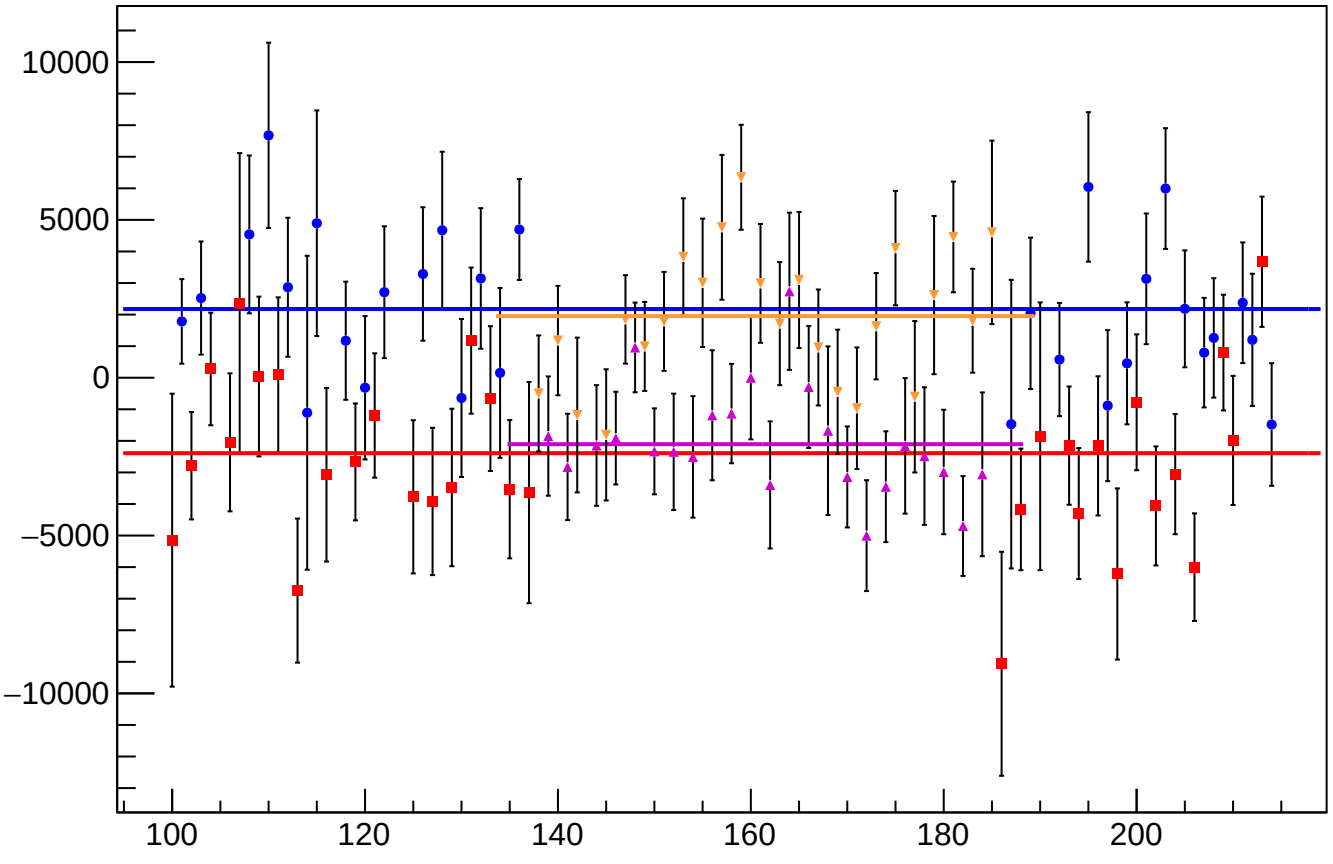
Right Out: 1441.917+/-0.242 χ^2/NDF: 1557356.5/31

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

+ sign 1393.164+/-0.166 χ^2/NDF: 2821778.1/53

All: 1402.506+/-0.118 χ^2/NDF: 5684740.0/10

- sign 1412.060+/-0.168 χ^2/NDF: 2856575.3/54



Right In: 2176.587+/-383.920 χ^2/NDF: 28.4/29

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

Right Out: -2389.473+/-392.567 χ^2/NDF: 38.9/31

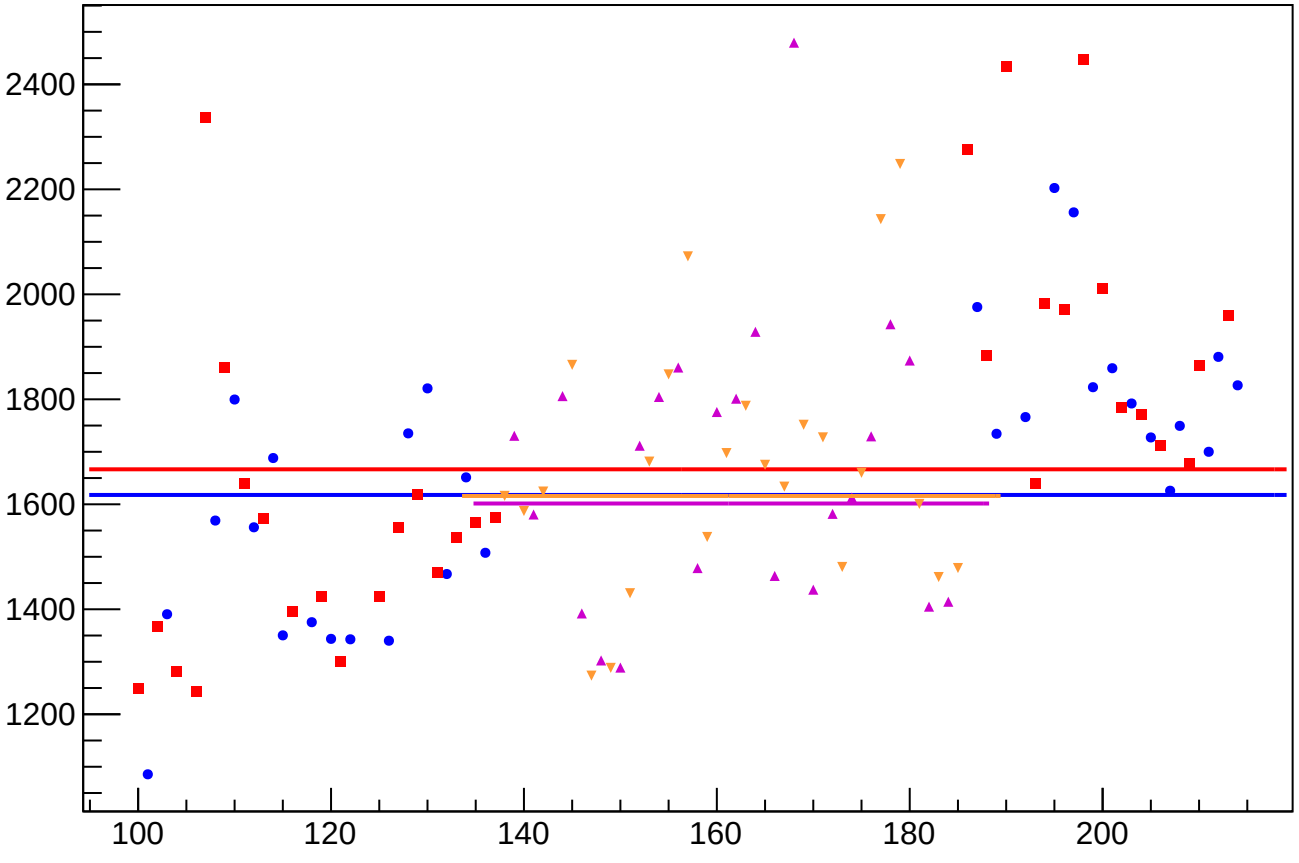
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2063.426+/-270.172 χ^2/NDF: 55.9/53

All: -69.610+/-191.922 χ^2/NDF: 239.5/108

- sign -2242.469+/-272.683 χ^2/NDF: 57.8/54

asym_us_avg_rms vs Slug



Right In: 1617.804+/-0.271 χ^2/NDF: 933295.7/29

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

Right Out: 1666.640+/-0.278 χ^2/NDF: 999807.7/31

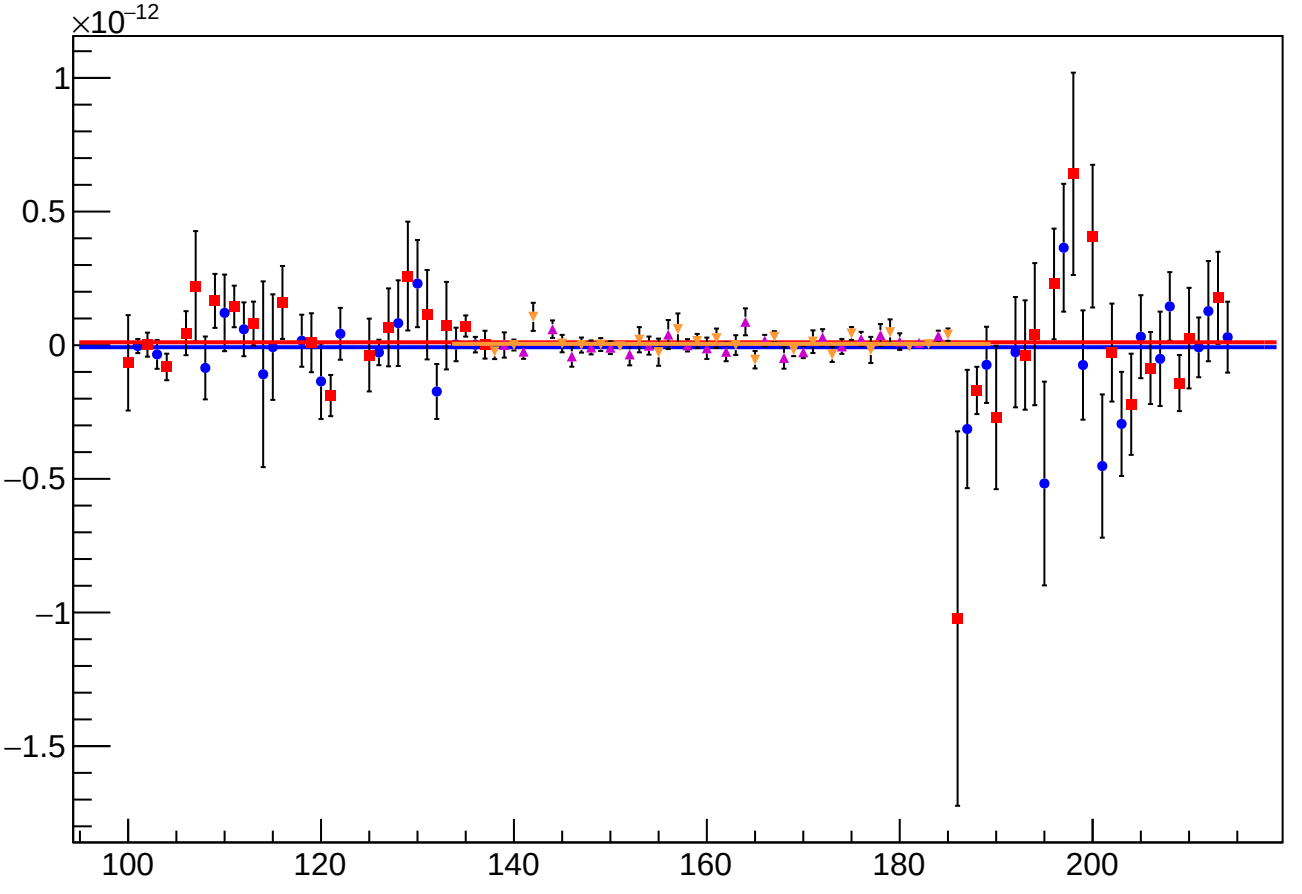
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1616.820+/-0.191 χ^2/NDF: 1627675.0/53

All: 1624.799+/-0.136 χ^2/NDF: 3453228.9/10

- sign 1632.928+/-0.193 χ^2/NDF: 1822032.1/54

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/29

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

Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/31

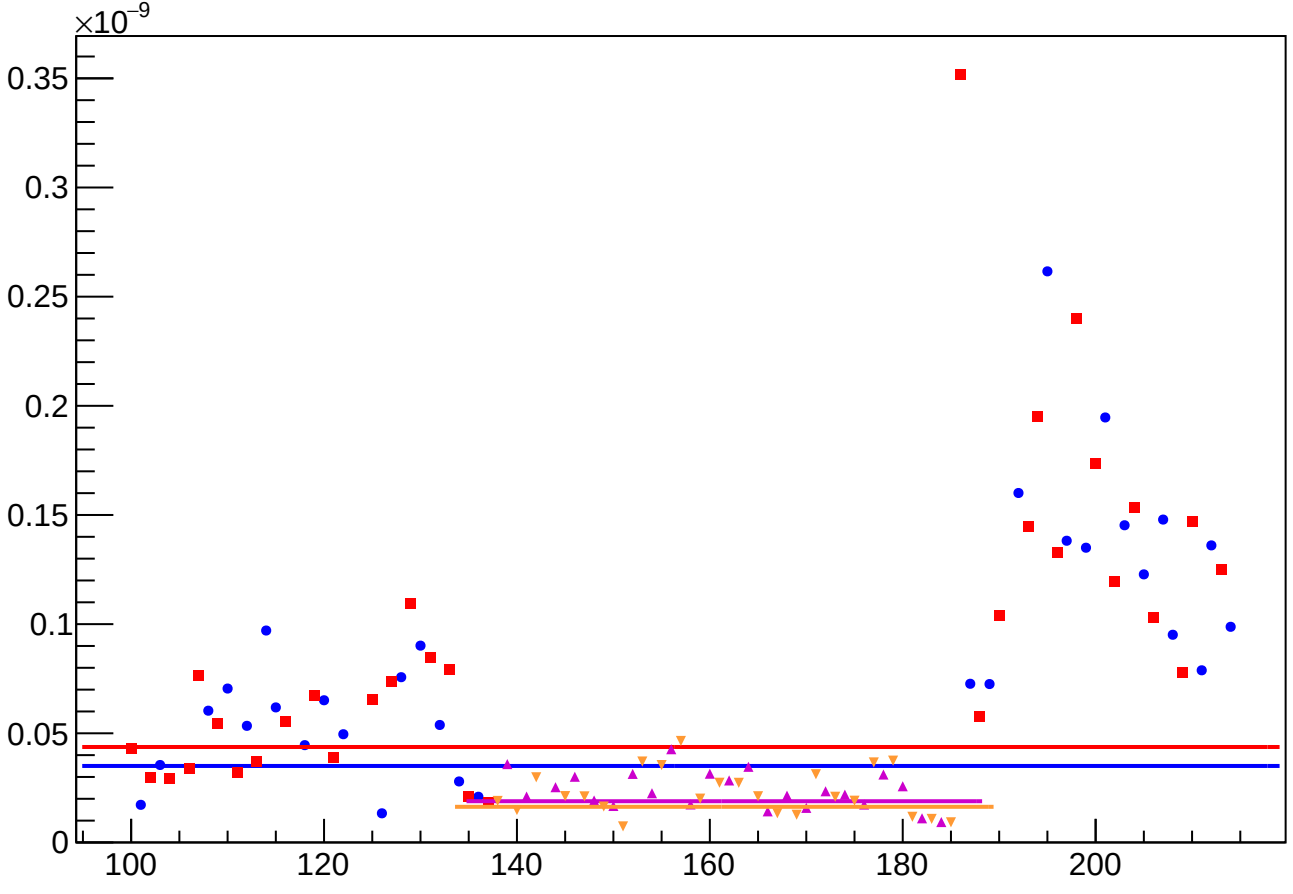
Left In: 0.000+/-0.000 χ^2/NDF:19.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.7/53

All: 0.000+/-0.000 χ^2/NDF: 105.4/108

- sign 0.000+/-0.000 χ^2/NDF: 61.6/54

asym_us_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9862222.5/29

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

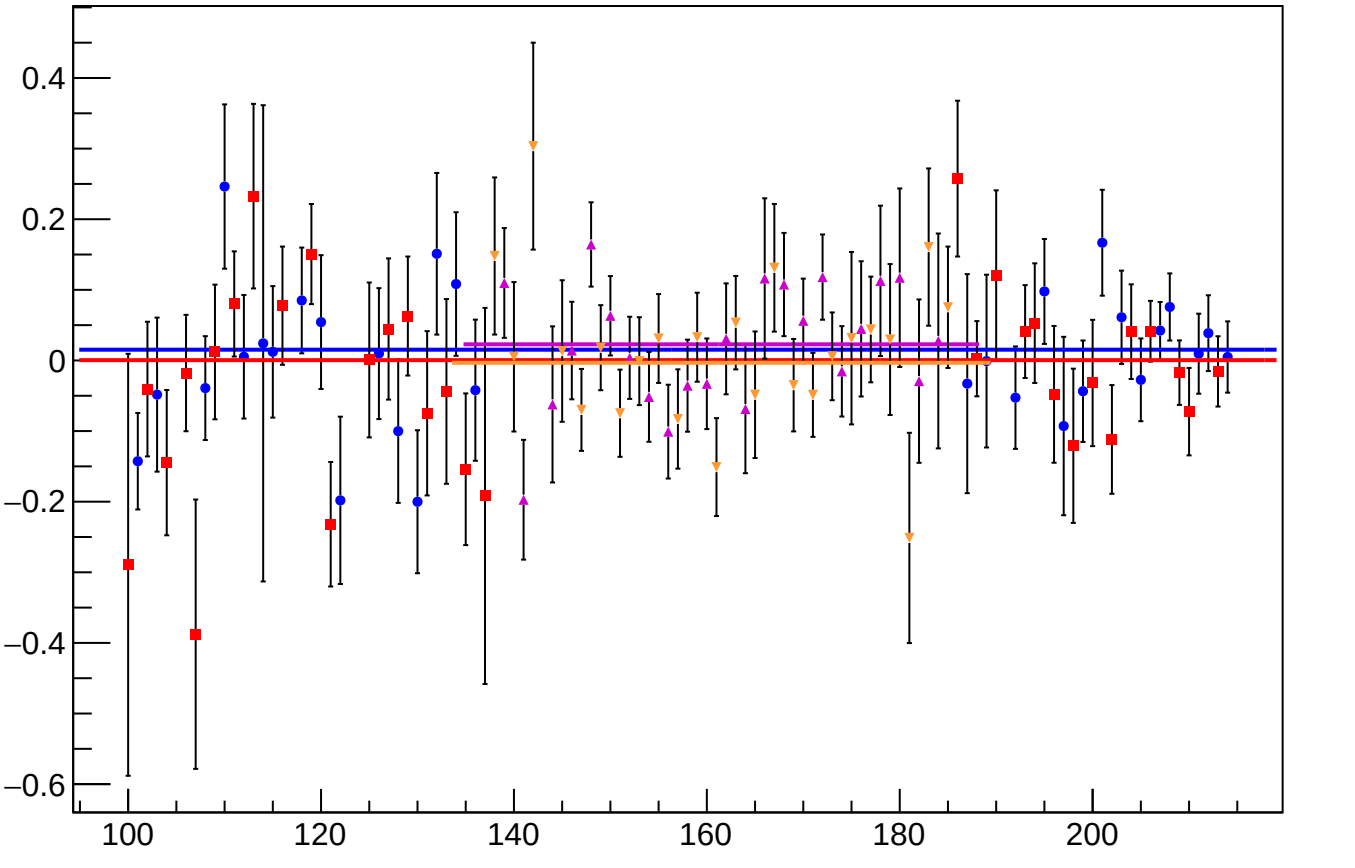
Right Out: 0.000+/-0.000 χ^2/NDF: 8035662.8/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 17098744.6/53

All: 0.000+/-0.000 χ^2/NDF: 32585130.5/108

- sign 0.000+/-0.000 χ^2/NDF: 15172098.9/54



Right In: 0.015+/-0.014 χ^2/NDF: 33.9/29

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

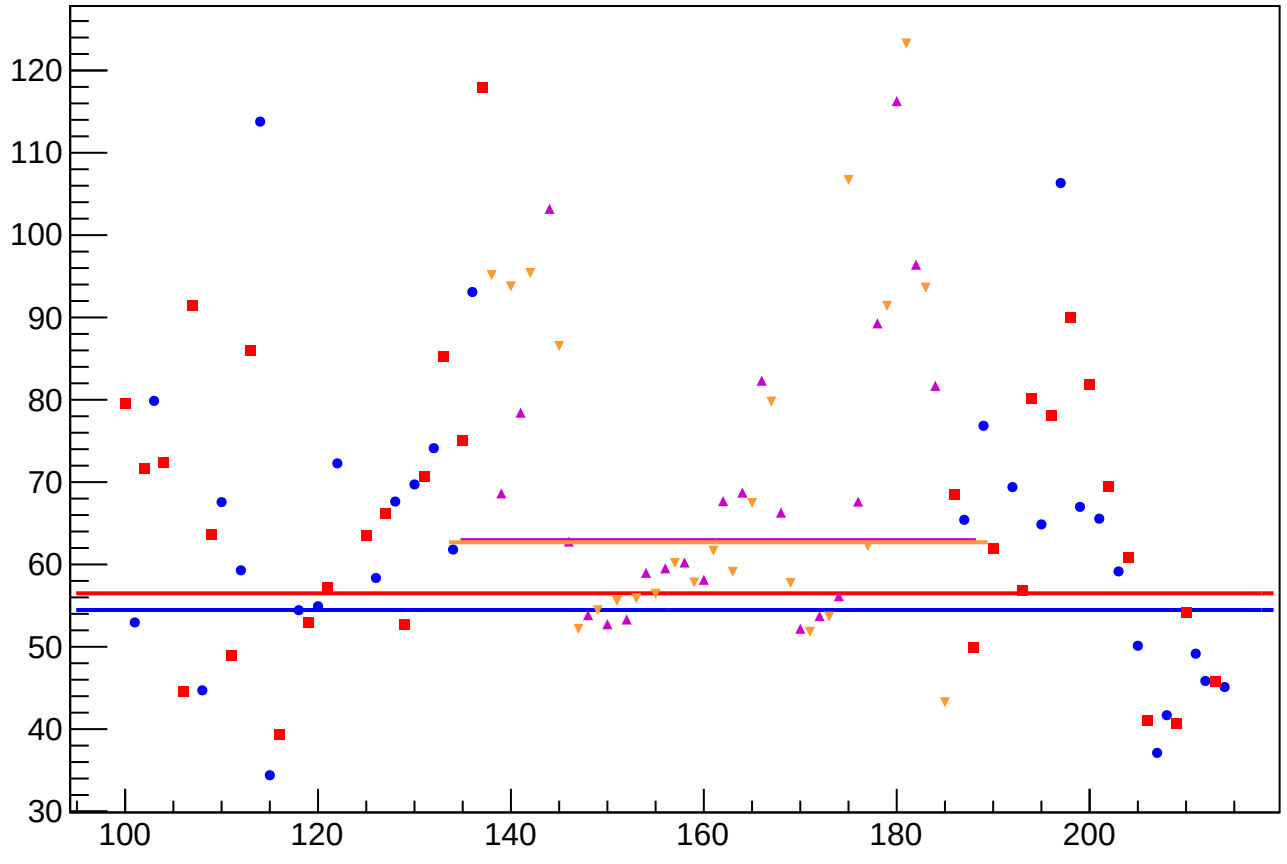
Right Out: 0.000+/-0.014 χ^2/NDF: 41.6/31

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

+ sign 0.007+/-0.010 χ^2/NDF: 60.6/53

All: 0.009+/-0.007 χ^2/NDF: 132.4/108

- sign 0.011+/-0.010 χ^2/NDF: 71.7/54



Right In: 54.469+/-0.010 χ^2/NDF: 2139753.3/29

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

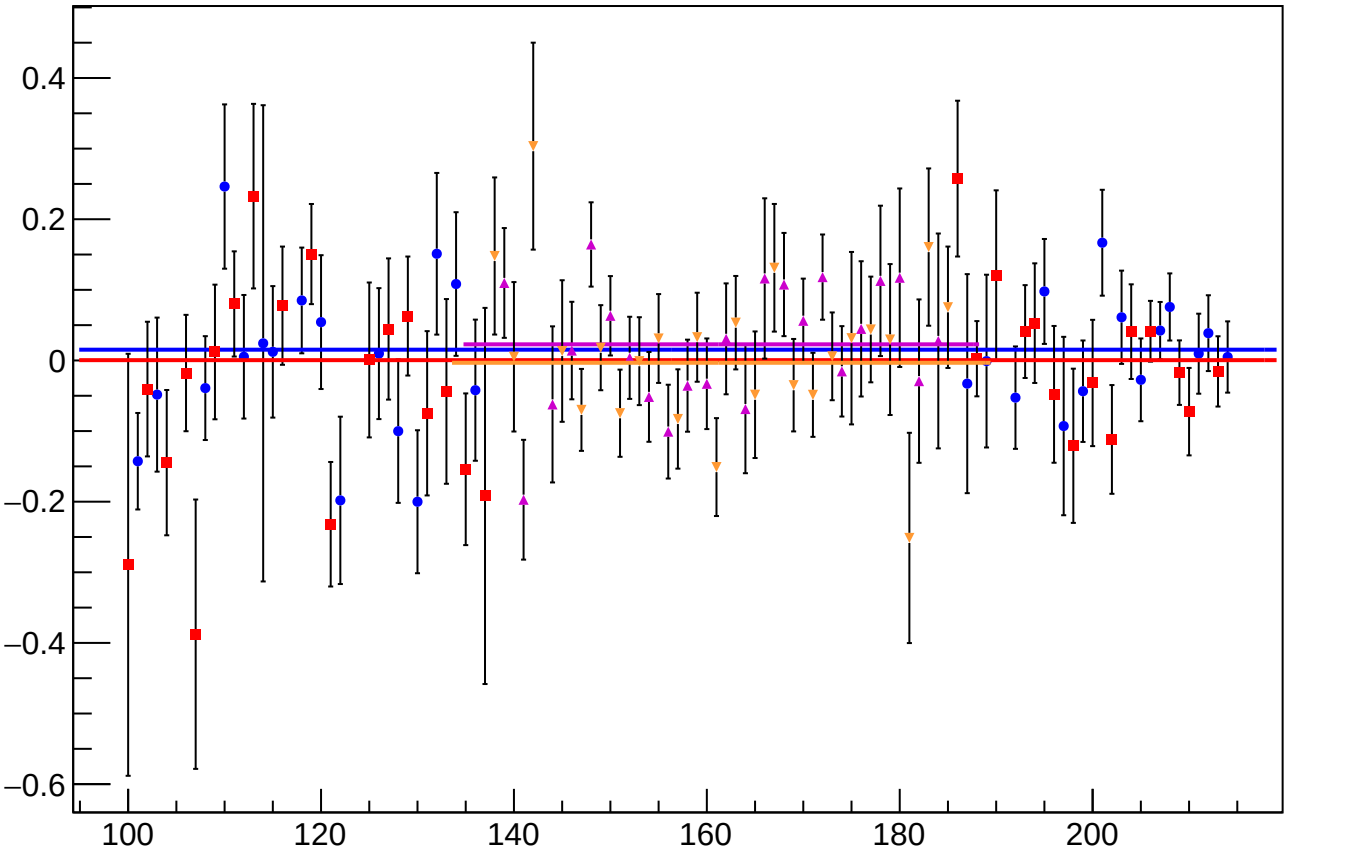
Right Out: 56.496+/-0.010 χ^2/NDF: 2087088.9/31

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

+ sign 58.092+/-0.007 χ^2/NDF: 4394674.0/53

All: 58.748+/-0.005 χ^2/NDF: 8118858.9/108

- sign 59.422+/-0.007 χ^2/NDF: 3707680.1/54



Right In: 0.015+/-0.014 χ^2/NDF: 33.9/29

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

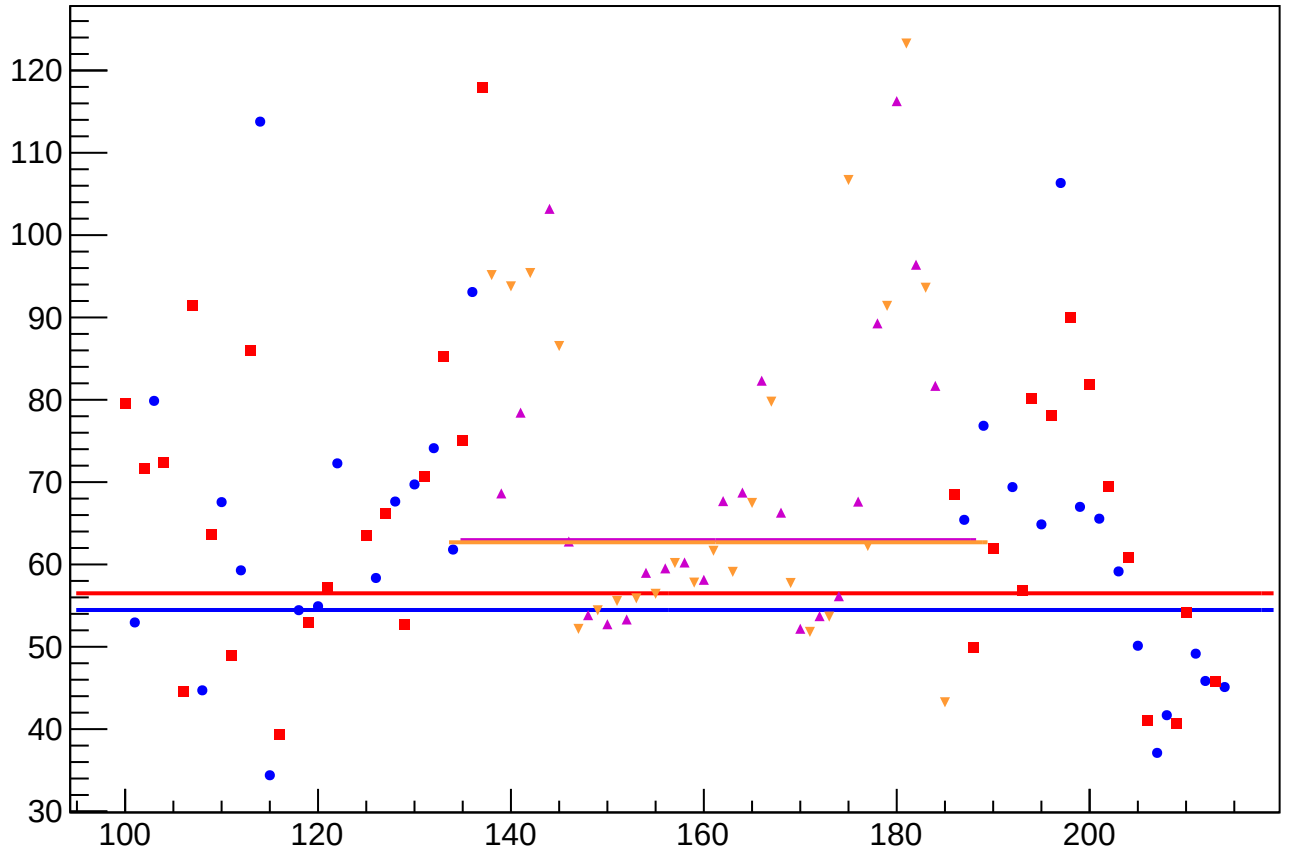
Right Out: 0.000+/-0.014 χ^2/NDF: 41.6/31

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

+ sign 0.007+/-0.010 χ^2/NDF: 60.6/53

All: 0.009+/-0.007 χ^2/NDF: 132.4/108

- sign 0.011+/-0.010 χ^2/NDF: 71.7/54



Right In: 54.469+/-0.010 χ^2/NDF: 2139753.3/29

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

Right Out: 56.496+/-0.010 χ^2/NDF: 2087088.9/31

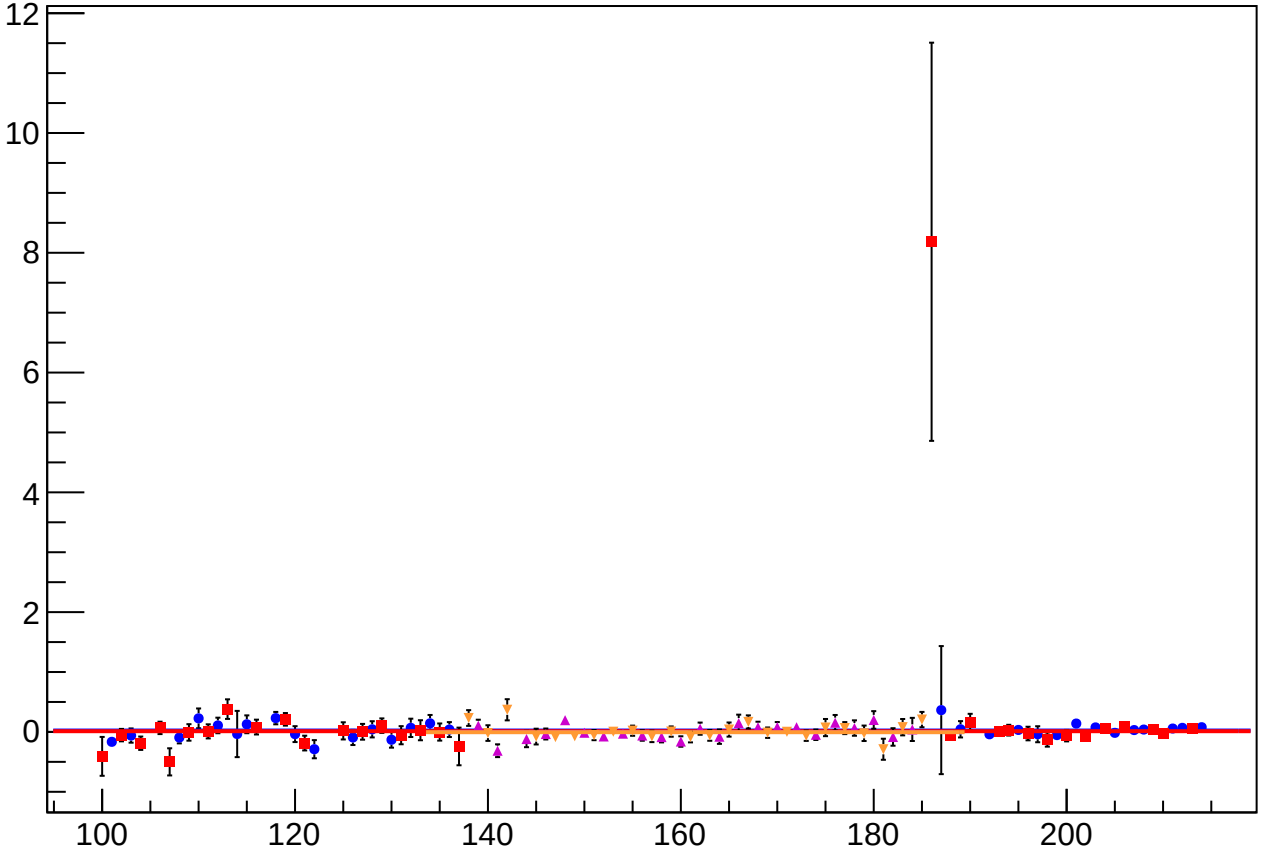
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 58.092+/-0.007 χ^2/NDF: 4394674.0/53

All: 58.748+/-0.005 χ^2/NDF: 8118858.9/108

- sign 59.422+/-0.007 χ^2/NDF: 3707680.1/54

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.023+/-0.017 χ^2/NDF: 27.4/29

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

Right Out: 0.012+/-0.018 χ^2/NDF: 38.9/31

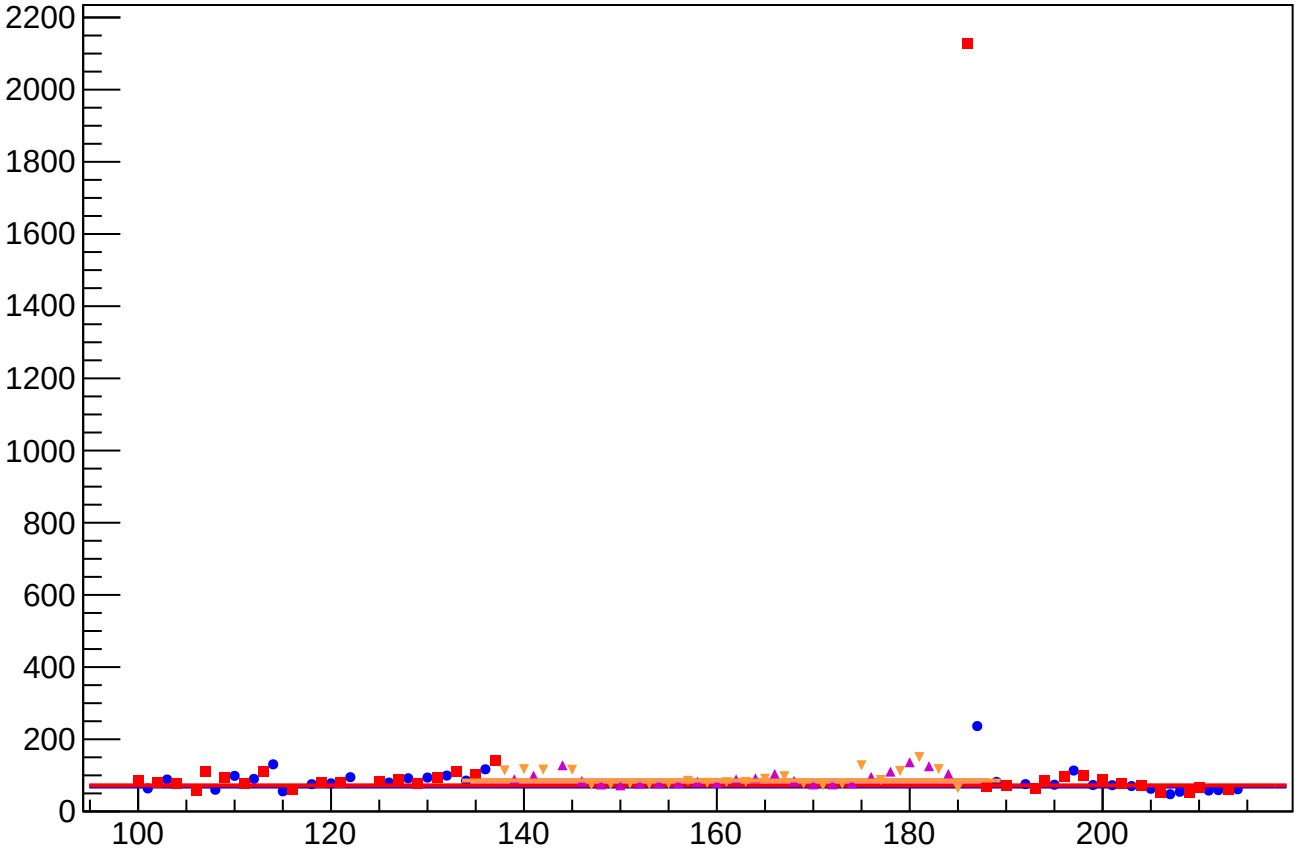
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.8/53

All: 0.009+/-0.009 χ^2/NDF: 119.6/108

- sign 0.006+/-0.014 χ^2/NDF: 69.7/54

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 68.968+/-0.012 χ^2/NDF: 1793020.6/29

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

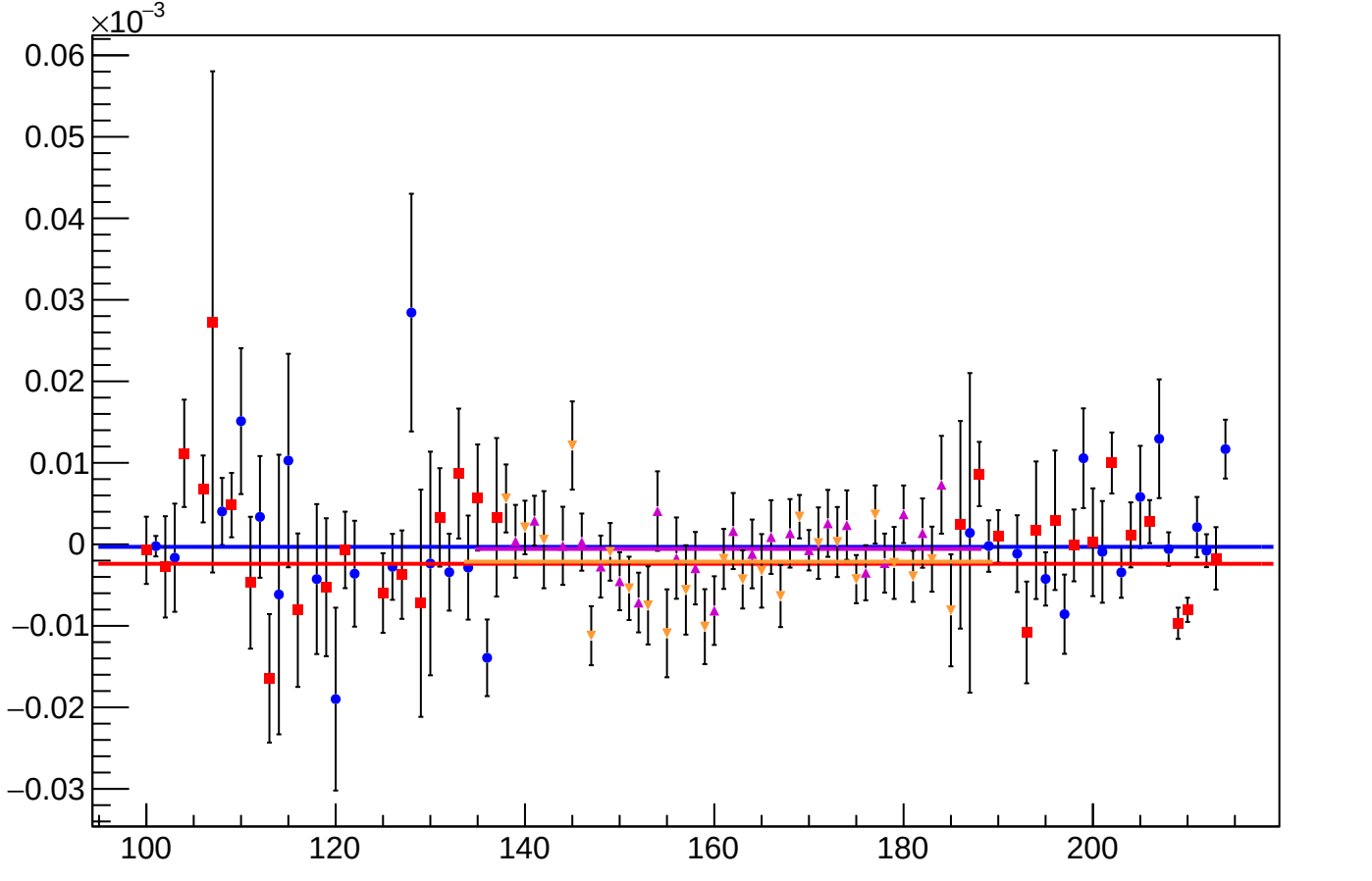
Right Out: 72.281+/-0.013 χ^2/NDF: 2310048.9/31

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

+ sign 75.765+/-0.009 χ^2/NDF: 3916890.1/53

All: 76.855+/-0.007 χ^2/NDF: 7732145.7/108

- sign 77.997+/-0.010 χ^2/NDF: 3787327.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 45.9/29

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

Right Out: -0.000+/-0.000 χ^2/NDF: 79.4/31

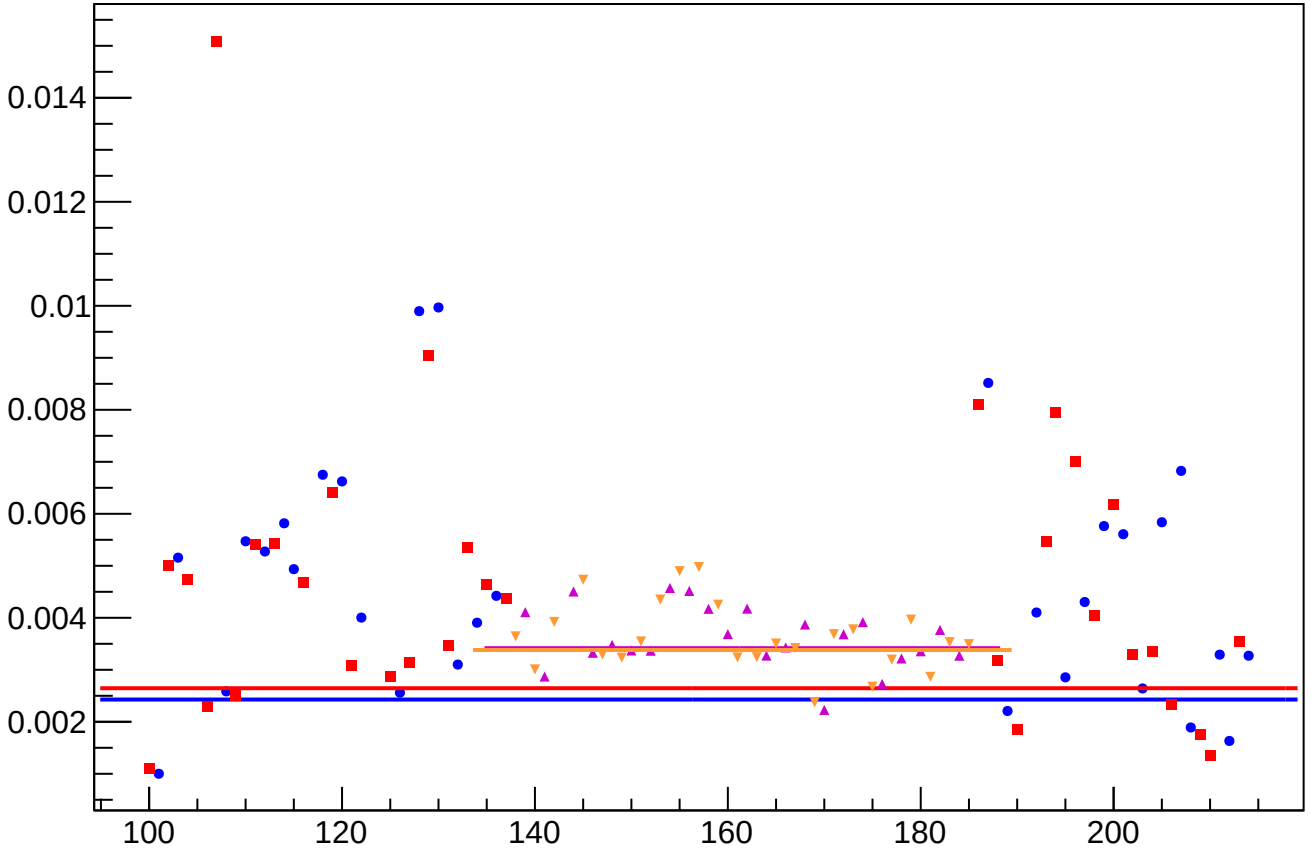
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 86.3/53

All: -0.000+/-0.000 χ^2/NDF: 185.5/108

- sign -0.000+/-0.000 χ^2/NDF: 98.8/54

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9967709.9/29

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

Right Out: 0.003+/-0.000 χ^2/NDF: 8293593.1/31

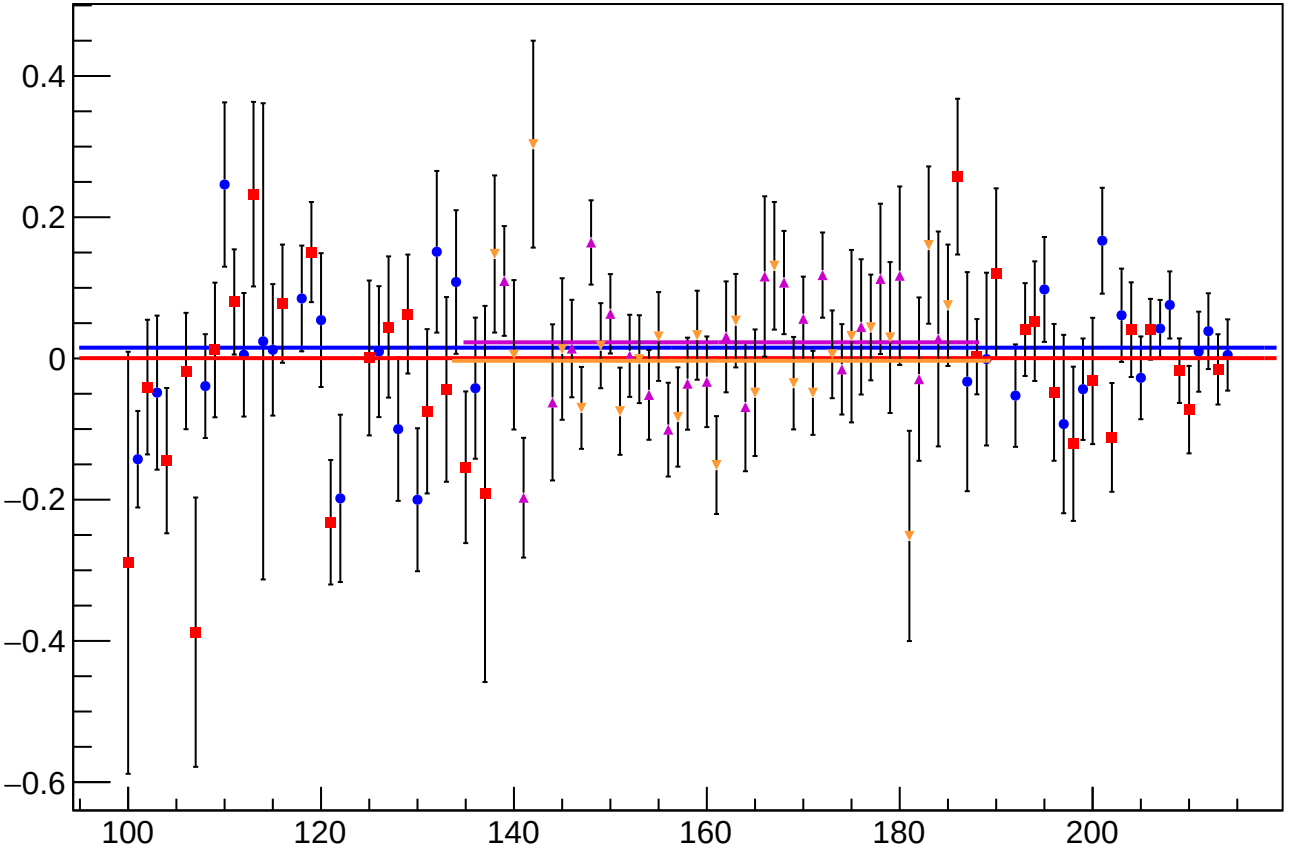
Left In: 0.003+/-0.000 χ^2/NDF:1170356.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 12774069.6/53

All: 0.003+/-0.000 χ^2/NDF: 23313062.7/108

- sign 0.003+/-0.000 χ^2/NDF: 10450704.4/54

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.014 χ^2/NDF: 33.9/29

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

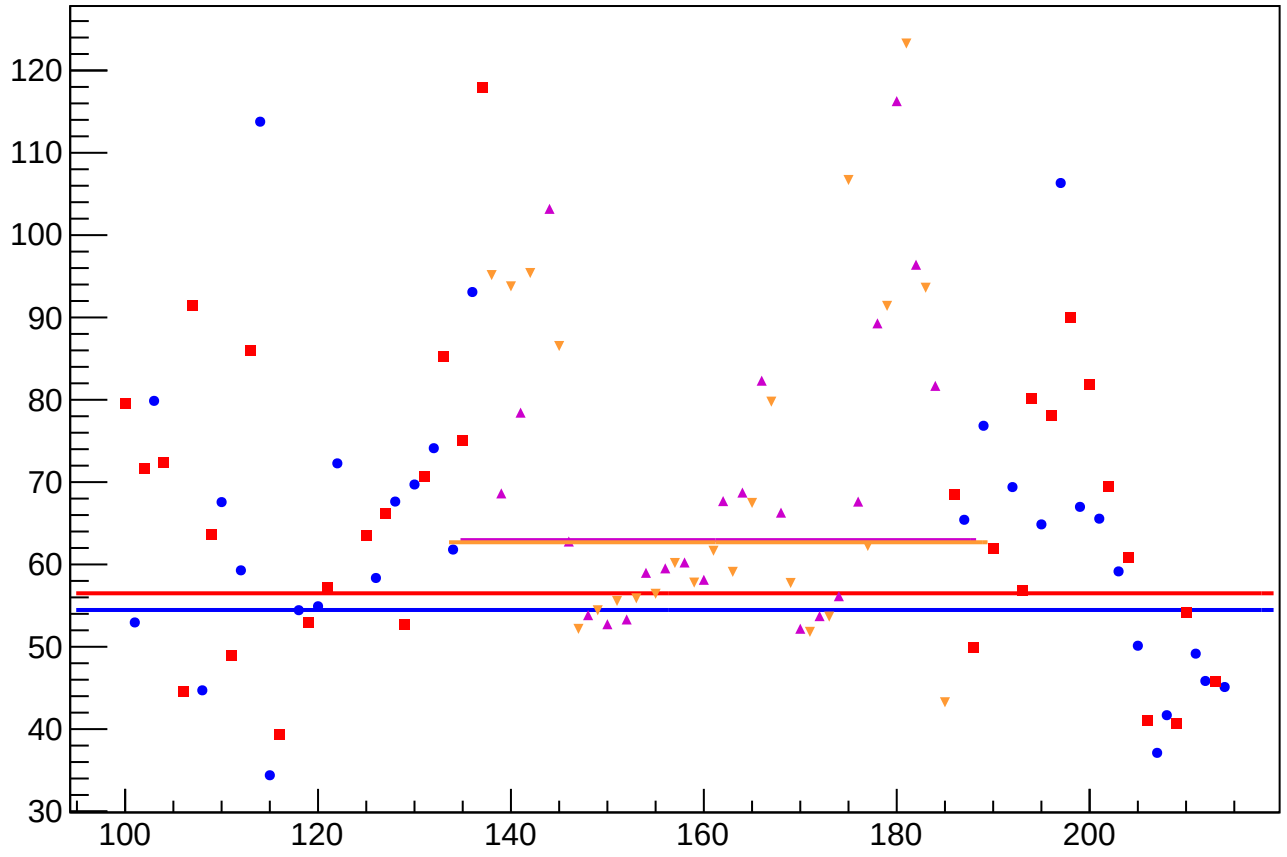
Right Out: 0.000+/-0.014 χ^2/NDF: 41.6/31

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

+ sign 0.007+/-0.010 χ^2/NDF: 60.6/53

All: 0.009+/-0.007 χ^2/NDF: 132.4/108

- sign 0.011+/-0.010 χ^2/NDF: 71.7/54



Right In: 54.469+/-0.010 χ^2/NDF: 2139590.4/29

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

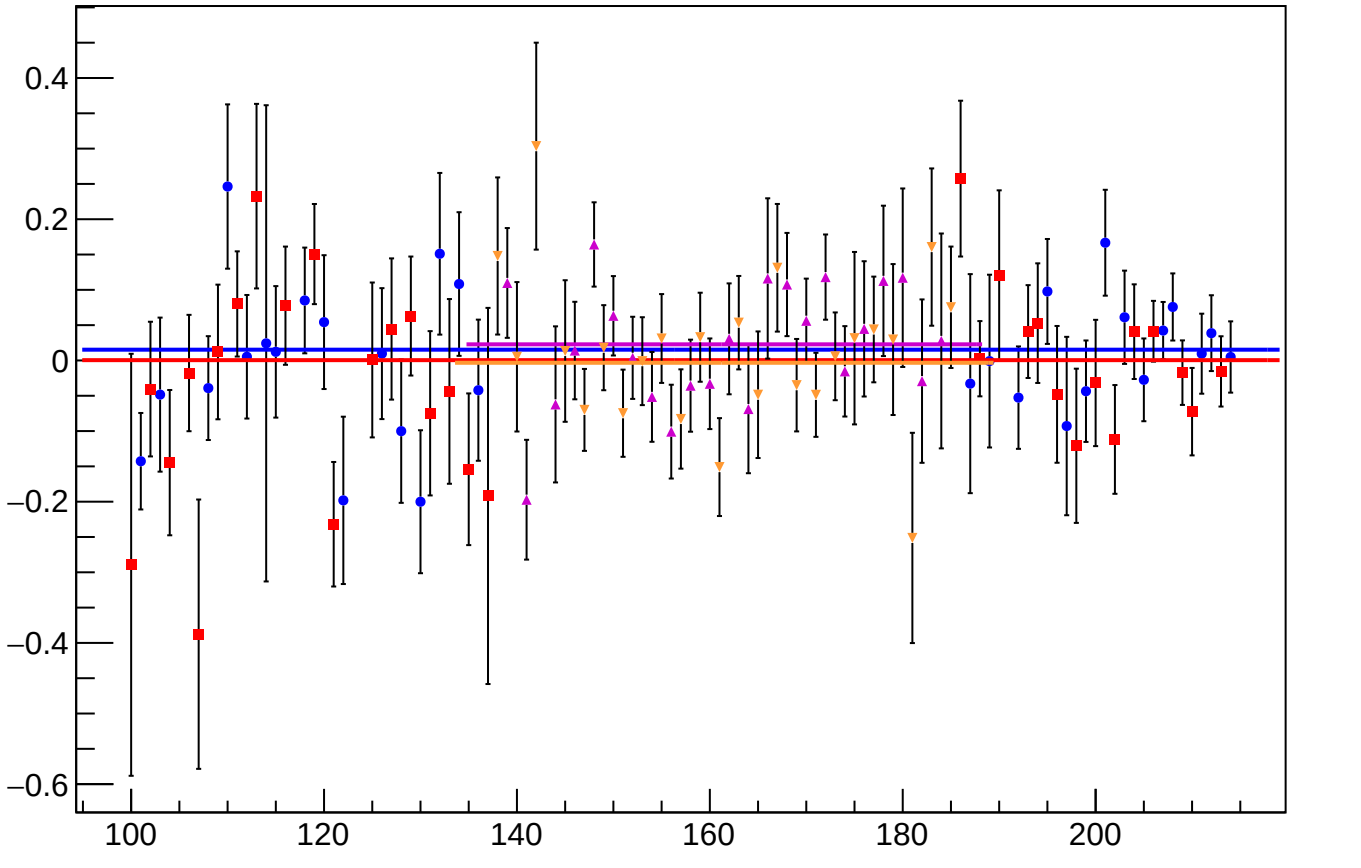
Right Out: 56.496+/-0.010 χ^2/NDF: 2086908.6/31

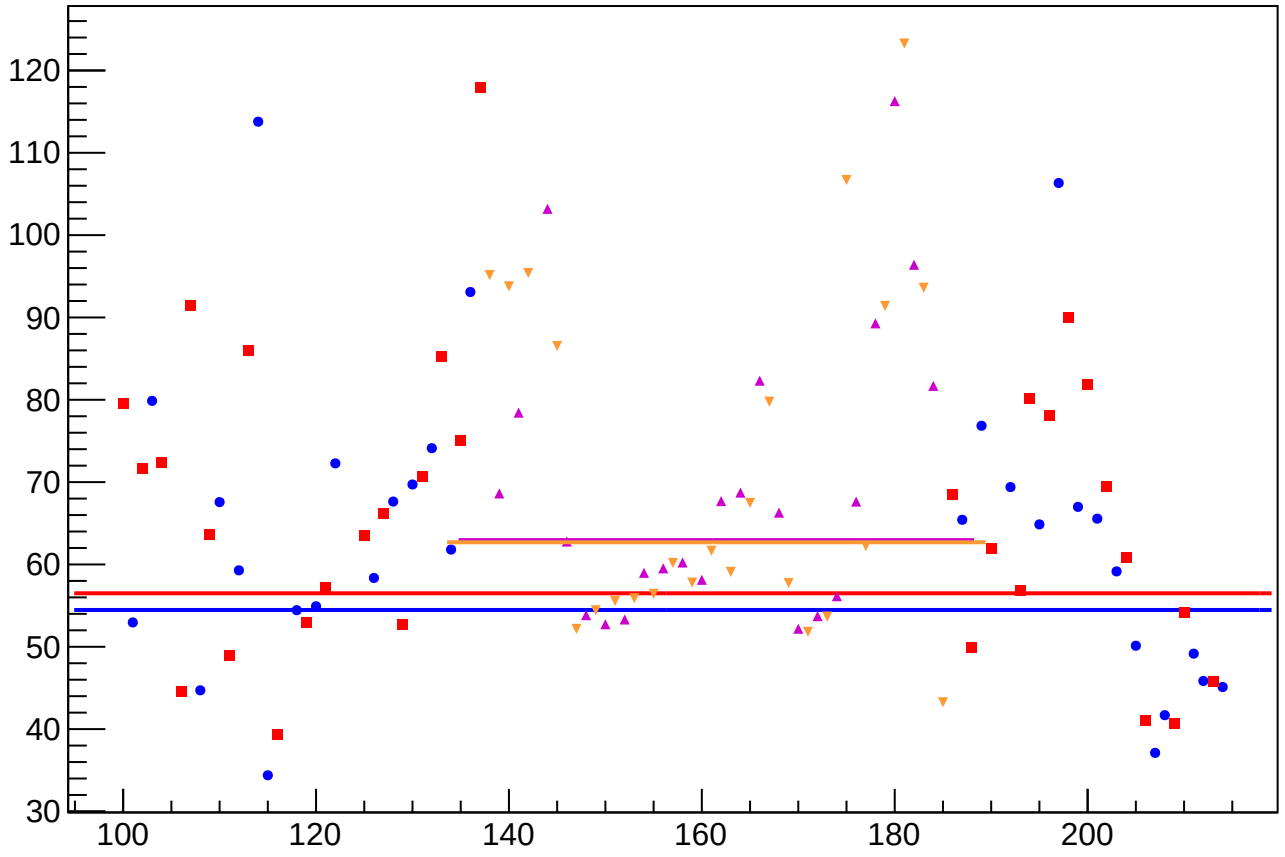
Left In: 62.956+/-0.011 χ^2/NDF:1430401.4/22

+ sign 58.092+/-0.007 χ^2/NDF: 4394498.3/53

All: 58.748+/-0.005 χ^2/NDF: 8118503.1/108

- sign 59.422+/-0.007 χ^2/NDF: 3707509.4/54


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.015+/-0.014 χ²/NDF: 33.9/29
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: 0.000+/-0.014 χ²/NDF: 41.6/31
Left In: 0.023+/-0.015 χ²/NDF:29.0/22
+ sign 0.007+/-0.010 χ²/NDF: 60.6/53
All: 0.009+/-0.007 χ²/NDF: 132.4/108
- sign 0.011+/-0.010 χ²/NDF: 71.7/54



Right In: 54.469+/-0.010 χ^2/NDF: 2139590.4/29

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

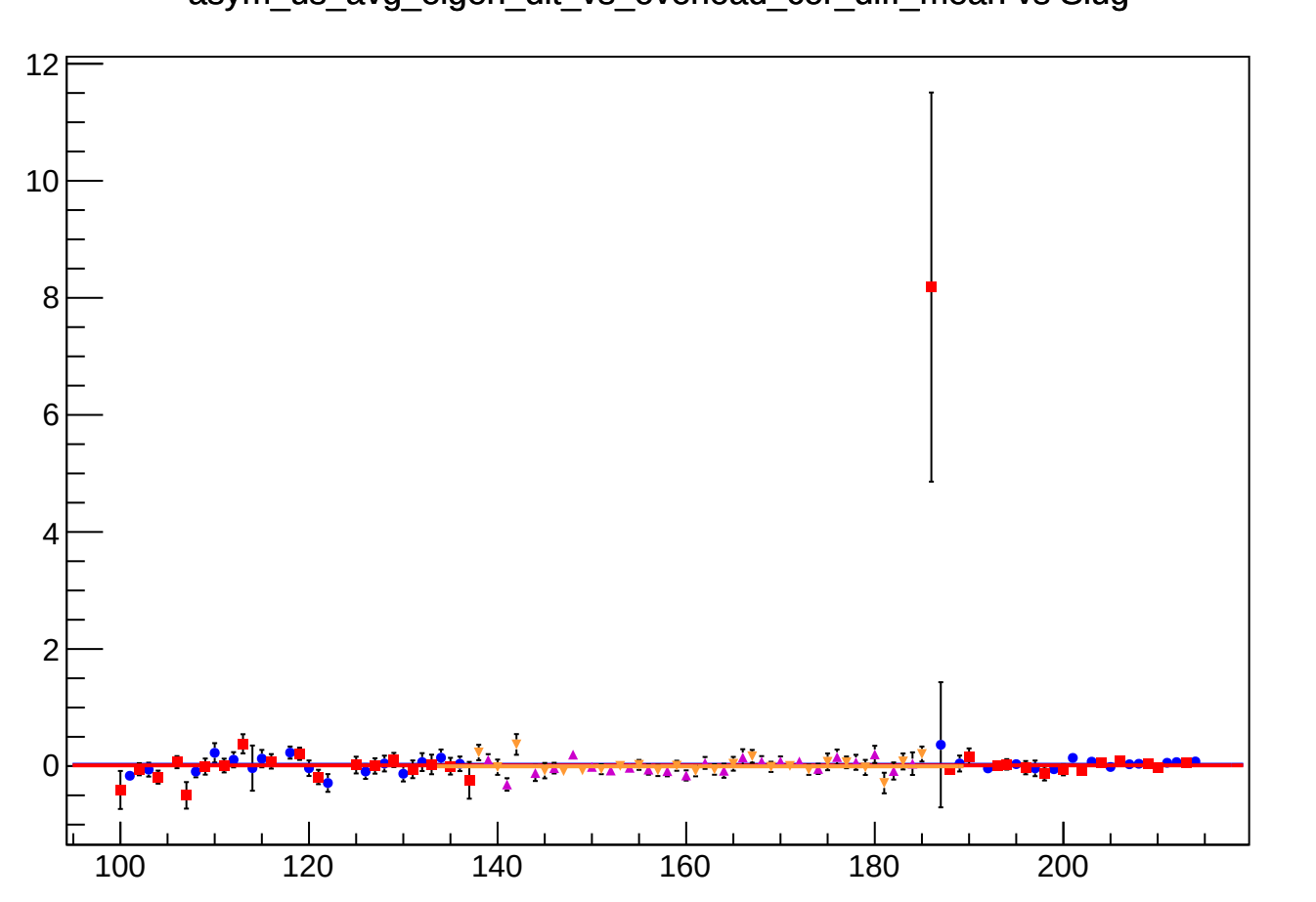
Right Out: 56.496+/-0.010 χ^2/NDF: 2086908.6/31

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

+ sign 58.092+/-0.007 χ^2/NDF: 4394498.3/53

All: 58.748+/-0.005 χ^2/NDF: 8118503.1/108

- sign 59.422+/-0.007 χ^2/NDF: 3707509.4/54



Right In: 0.023+/-0.017 χ^2/NDF: 27.4/29

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

Right Out: 0.012+/-0.018 χ^2/NDF: 38.9/31

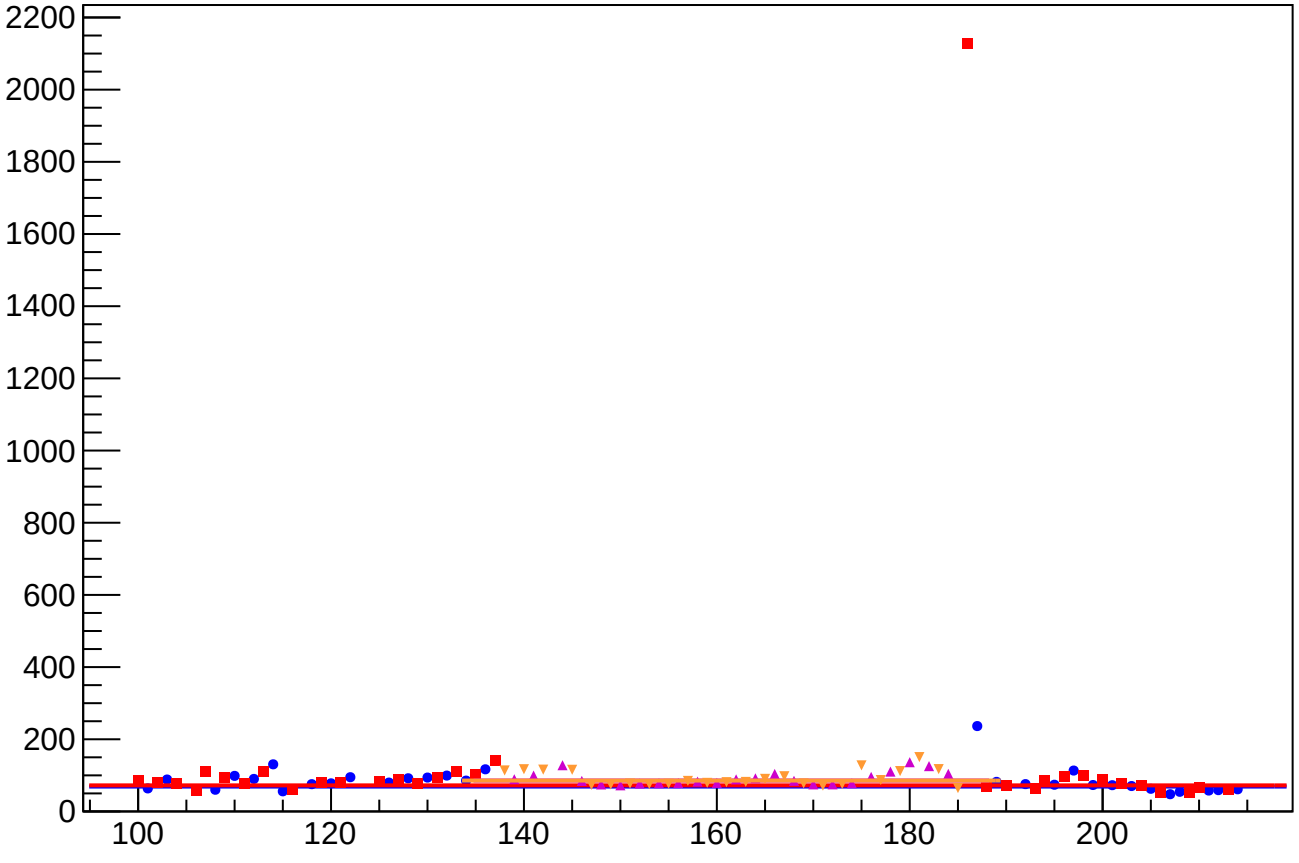
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.012+/-0.013 χ^2/NDF: 49.8/53

All: 0.009+/-0.009 χ^2/NDF: 119.6/108

- sign 0.006+/-0.014 χ^2/NDF: 69.7/54

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 68.968+/-0.012 χ^2/NDF: 1792884.4/29

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

Right Out: 72.281+/-0.013 χ^2/NDF: 2309947.7/31

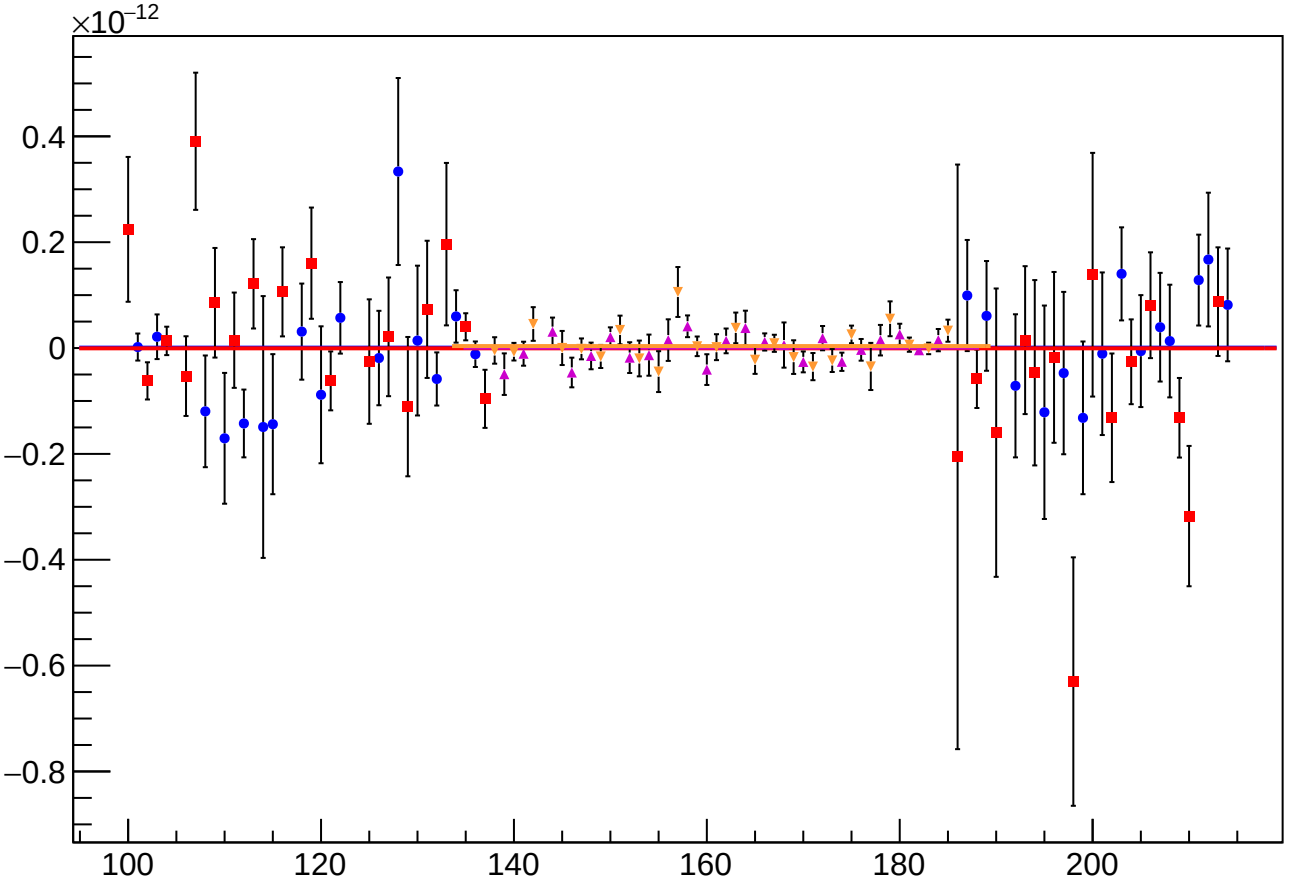
Left In: 85.679+/-0.015 χ^2/NDF:995860.8/22

+ sign 75.765+/-0.009 χ^2/NDF: 3916739.6/53

All: 76.855+/-0.007 χ^2/NDF: 7731904.2/108

- sign 77.997+/-0.010 χ^2/NDF: 3787245.0/54

asym_us_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/29

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

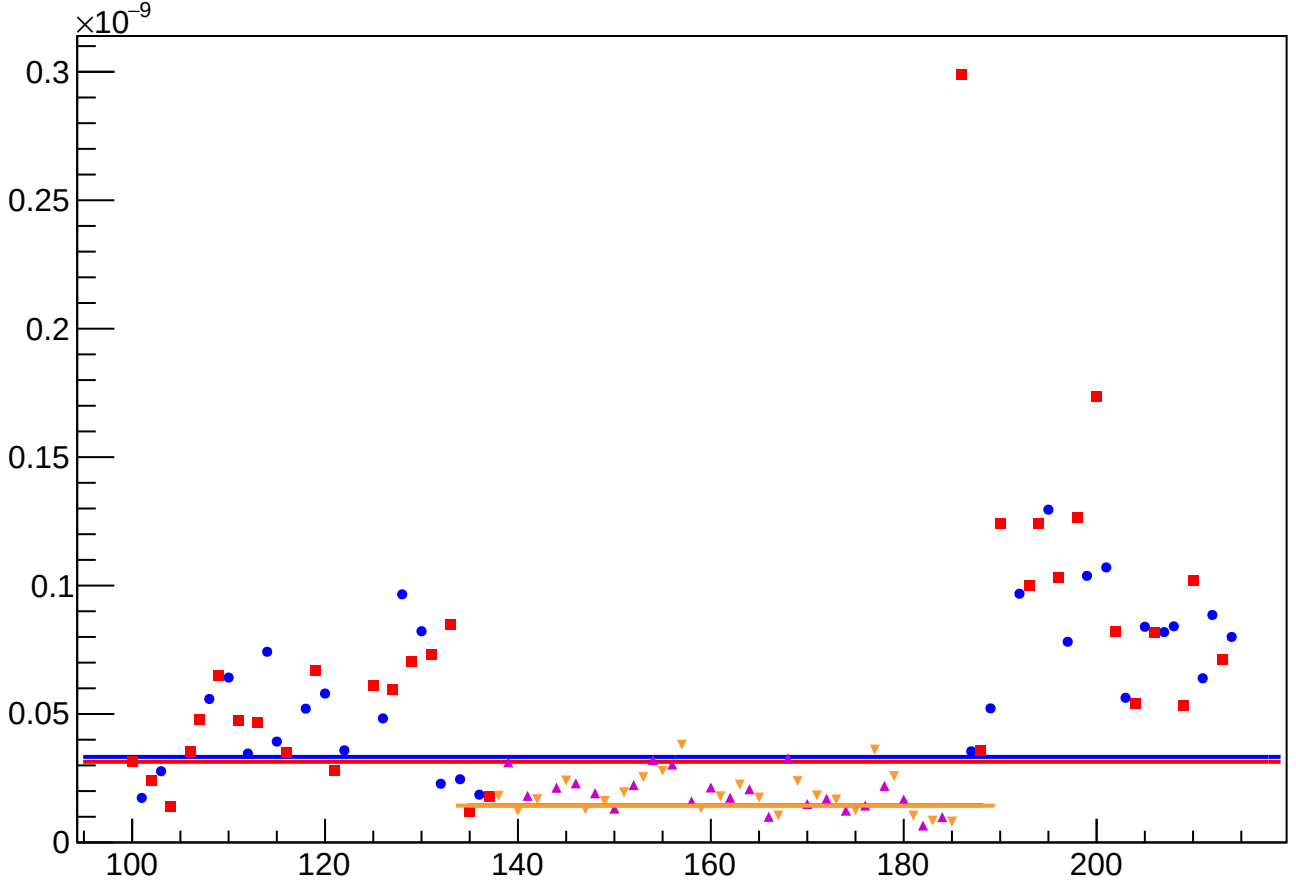
Right Out: -0.000+/-0.000 χ^2/NDF: 52.6/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 53.0/53

All: 0.000+/-0.000 χ^2/NDF: 129.5/108

- sign 0.000+/-0.000 χ^2/NDF: 76.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 7289594.6/29

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

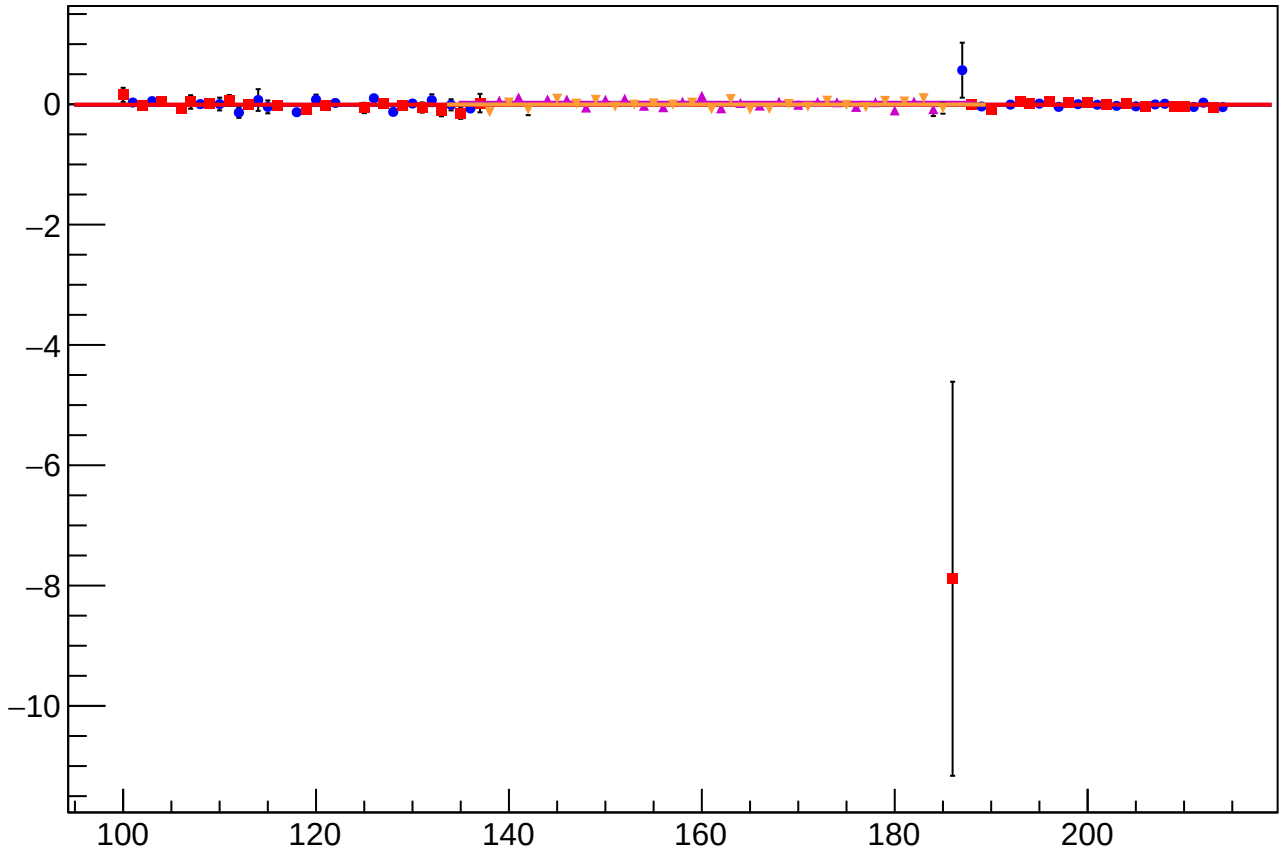
Right Out: 0.000+/-0.000 χ^2/NDF: 8988430.7/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 15223987.4/53

All: 0.000+/-0.000 χ^2/NDF: 31890591.8/108

- sign 0.000+/-0.000 χ^2/NDF: 16665818.8/54



Right In: -0.009+/-0.008 χ^2/NDF: 24.5/29

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

Right Out: -0.006+/-0.008 χ^2/NDF: 36.3/31

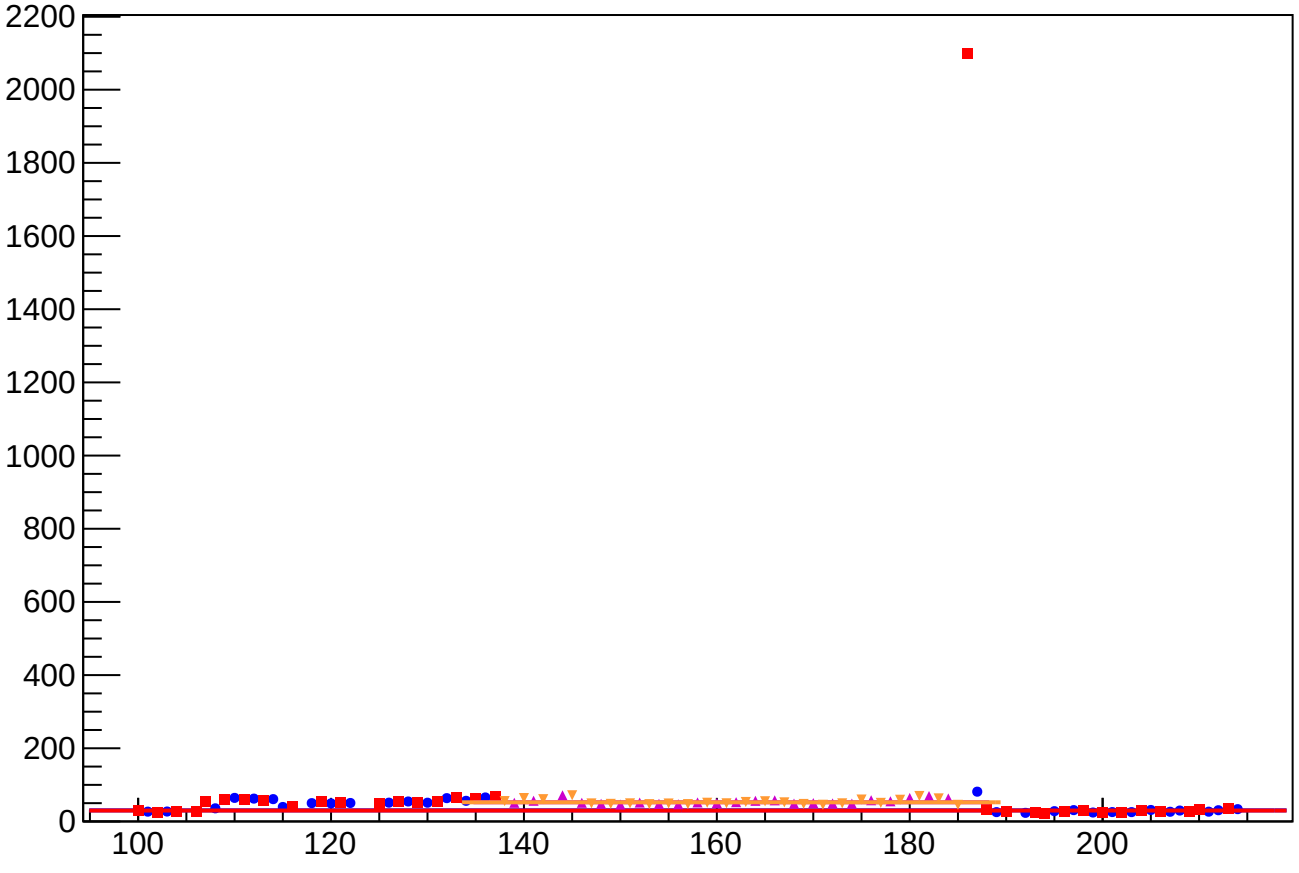
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.007+/-0.007 χ^2/NDF: 47.8/53

All: -0.003+/-0.005 χ^2/NDF: 114.3/108

- sign 0.002+/-0.006 χ^2/NDF: 65.4/54

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.334+/-0.005 χ^2/NDF: 2880934.9/29

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

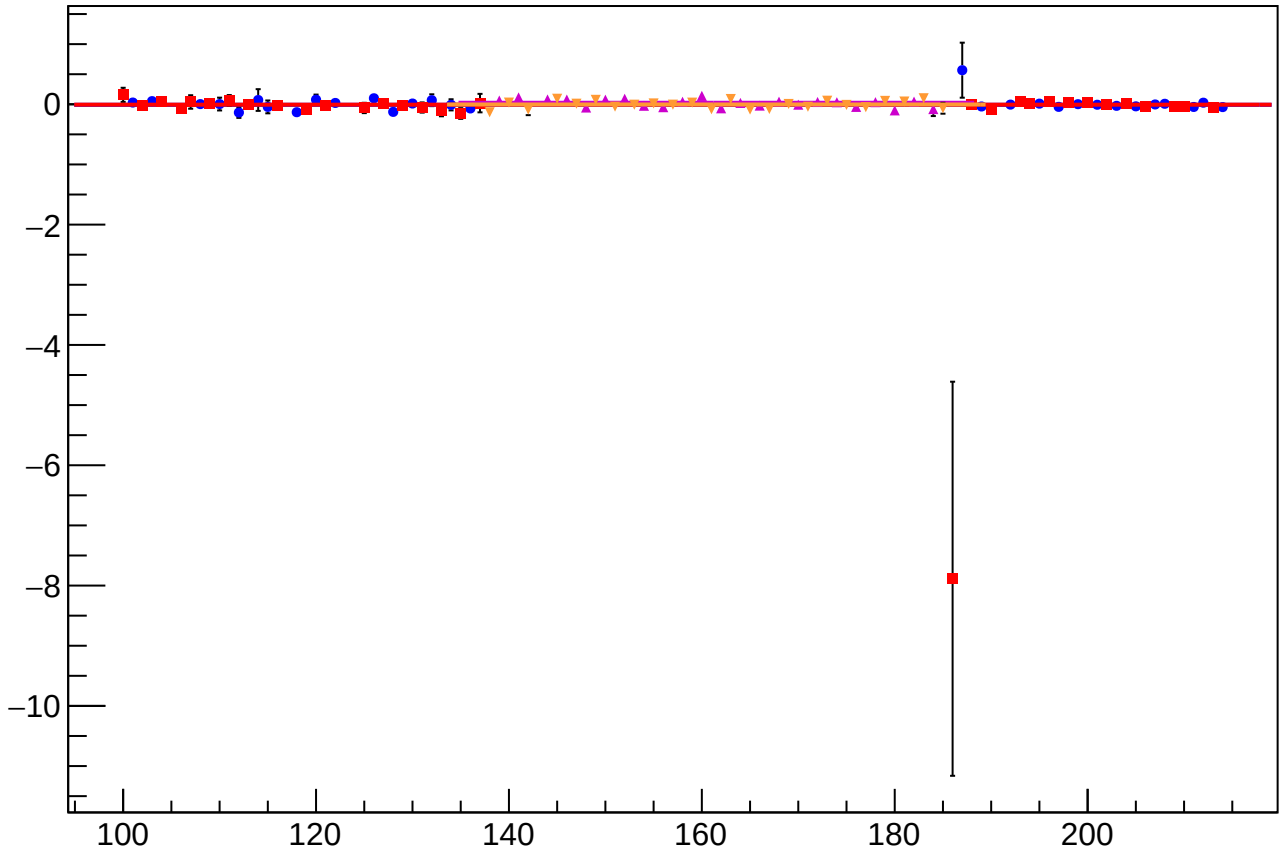
Right Out: 29.835+/-0.005 χ^2/NDF: 3875857.3/31

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

+ sign 36.398+/-0.005 χ^2/NDF: 7963469.8/53

All: 36.146+/-0.003 χ^2/NDF: 17089691.9/108

- sign 35.898+/-0.005 χ^2/NDF: 9120296.4/54



Right In: -0.009+/-0.008 χ^2/NDF: 24.5/29

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

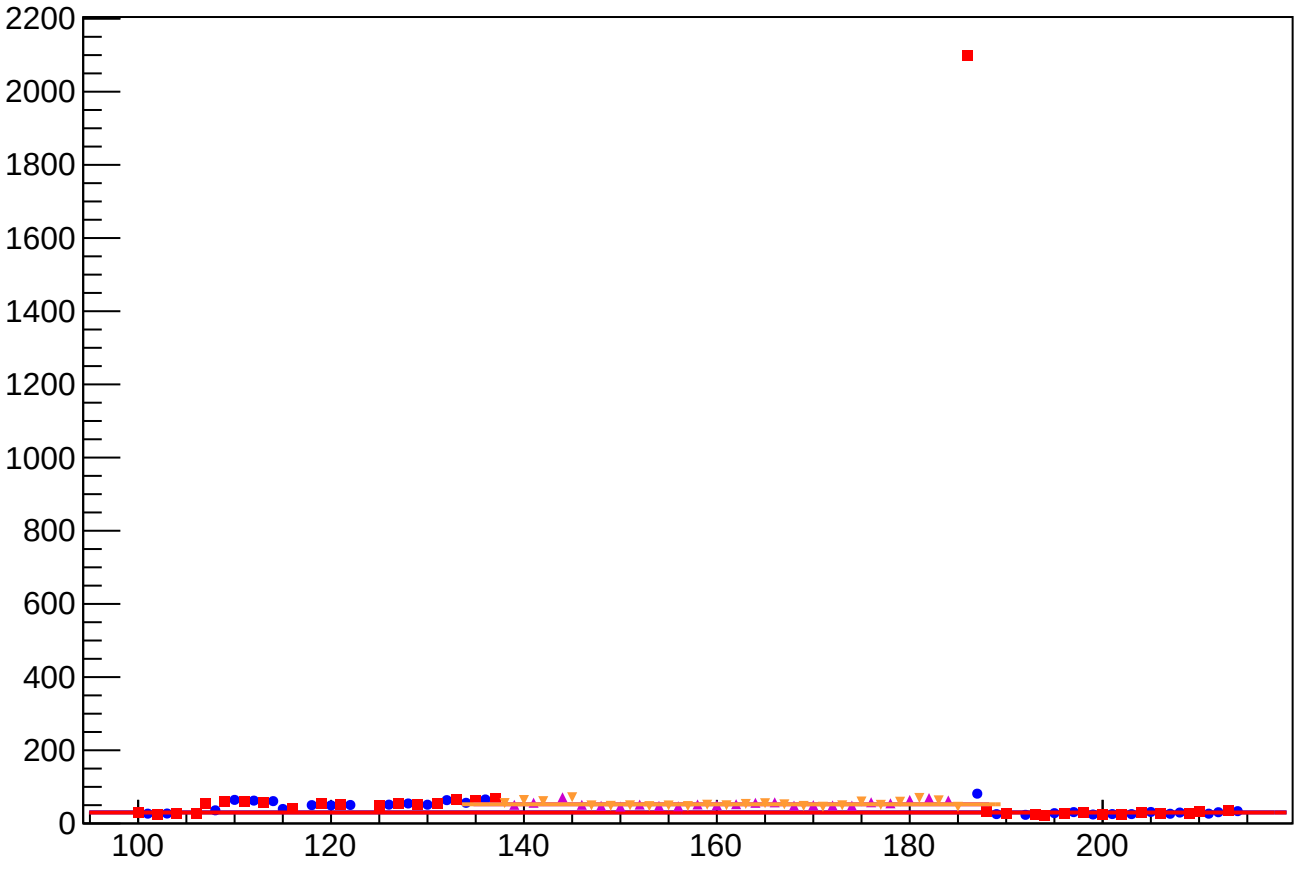
Right Out: -0.006+/-0.008 χ^2/NDF: 36.3/31

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

+ sign -0.007+/-0.007 χ^2/NDF: 47.8/53

All: -0.003+/-0.005 χ^2/NDF: 114.3/108

- sign 0.002+/-0.006 χ^2/NDF: 65.4/54



Right In: 30.334+/-0.005 χ^2/NDF: 2880934.9/29

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

Right Out: 29.835+/-0.005 χ^2/NDF: 3875857.3/31

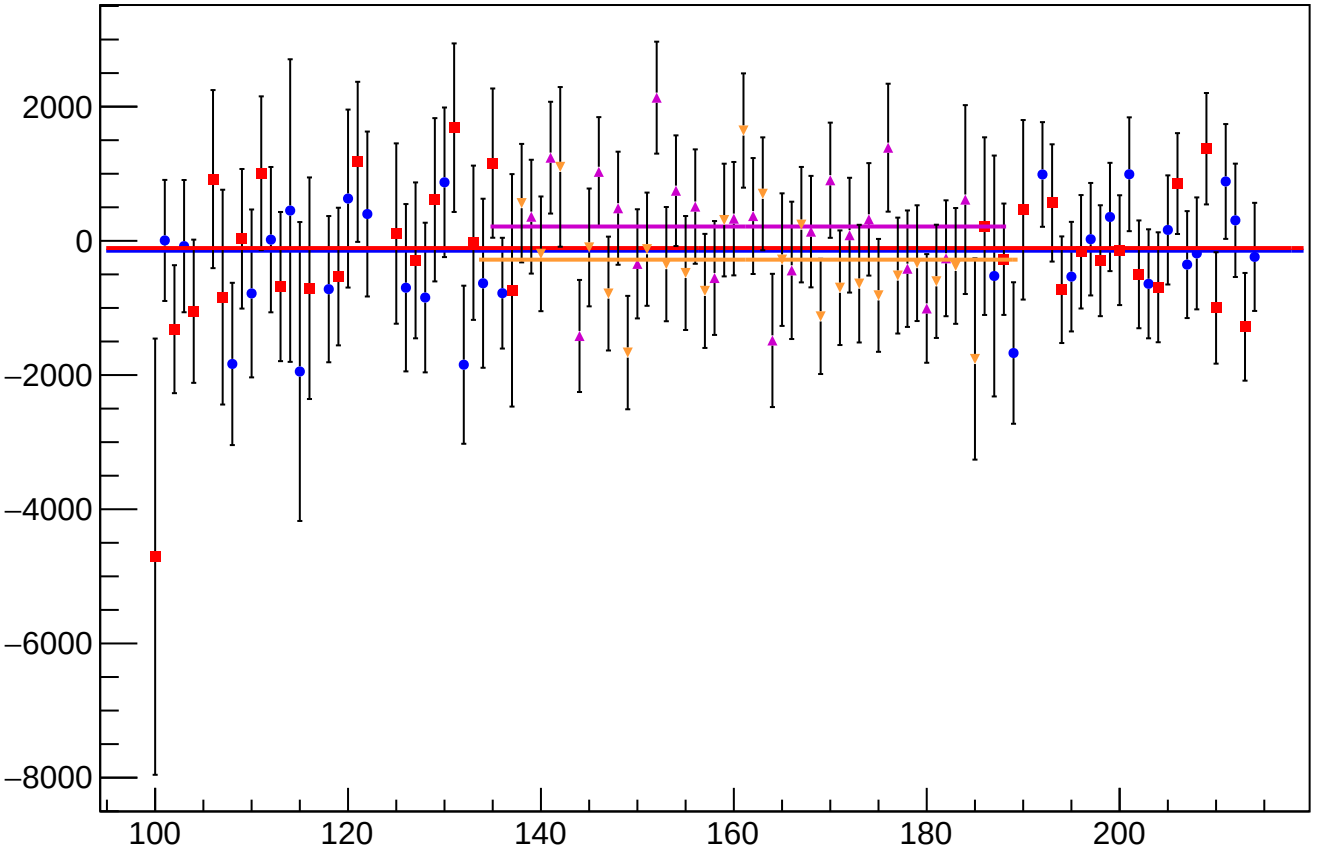
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 36.398+/-0.005 χ^2/NDF: 7963469.8/53

All: 36.146+/-0.003 χ^2/NDF: 17089691.9/108

- sign 35.898+/-0.005 χ^2/NDF: 9120296.4/54

reg_asym_us_dd_mean vs Slug



Right In: -147.002+/-179.524 χ^2/NDF: 17.1/29

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

Right Out: -107.645+/-179.181 χ^2/NDF: 22.2/31

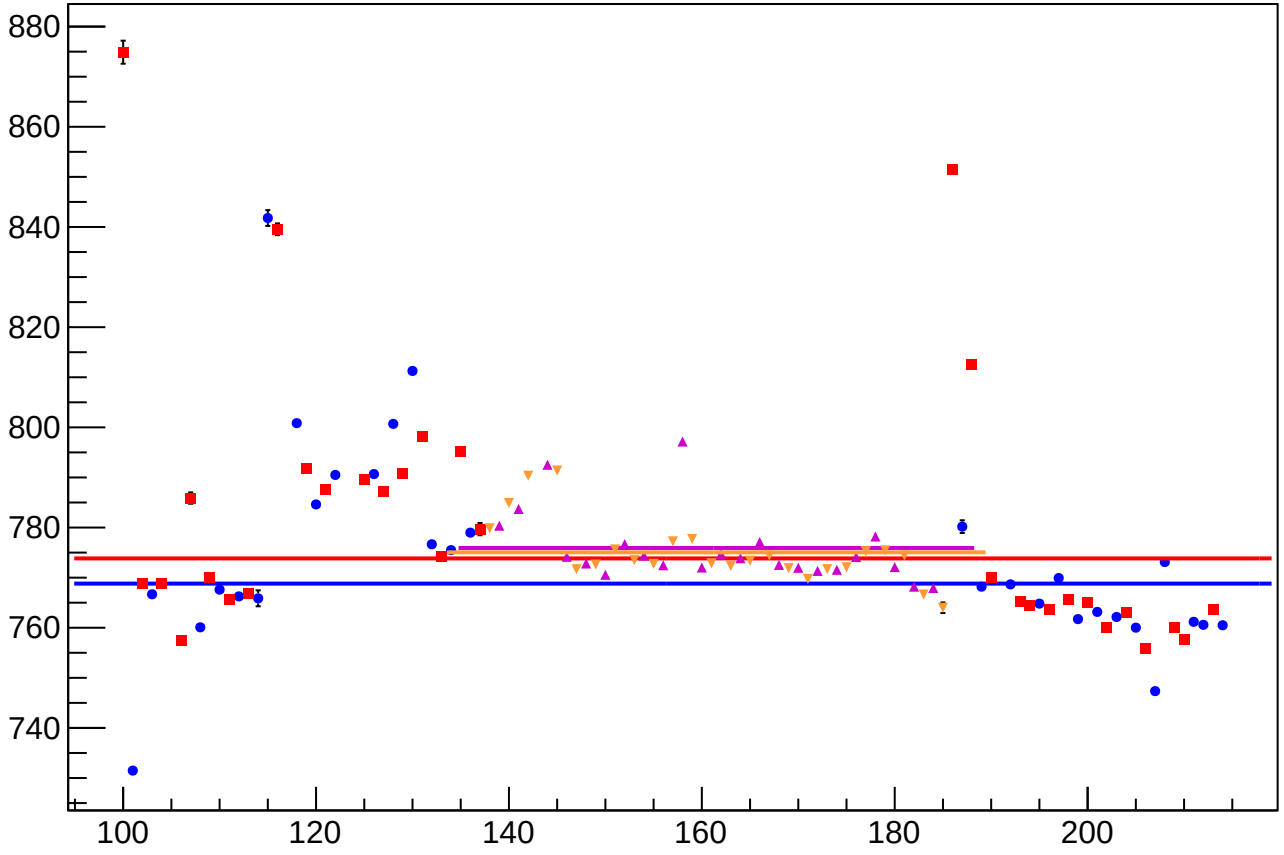
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

\+ sign -213.551+/-127.068 χ^2/NDF: 33.4/53

All: -81.557+/-89.967 χ^2/NDF: 81.7/108

\- sign 51.120+/-127.397 χ^2/NDF: 46.1/54

reg_asym_us_dd_rms vs Slug



Right In: 768.810+/-0.127 χ^2/NDF: 16746.9/29

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

Right Out: 773.839+/-0.127 χ^2/NDF: 25325.7/31

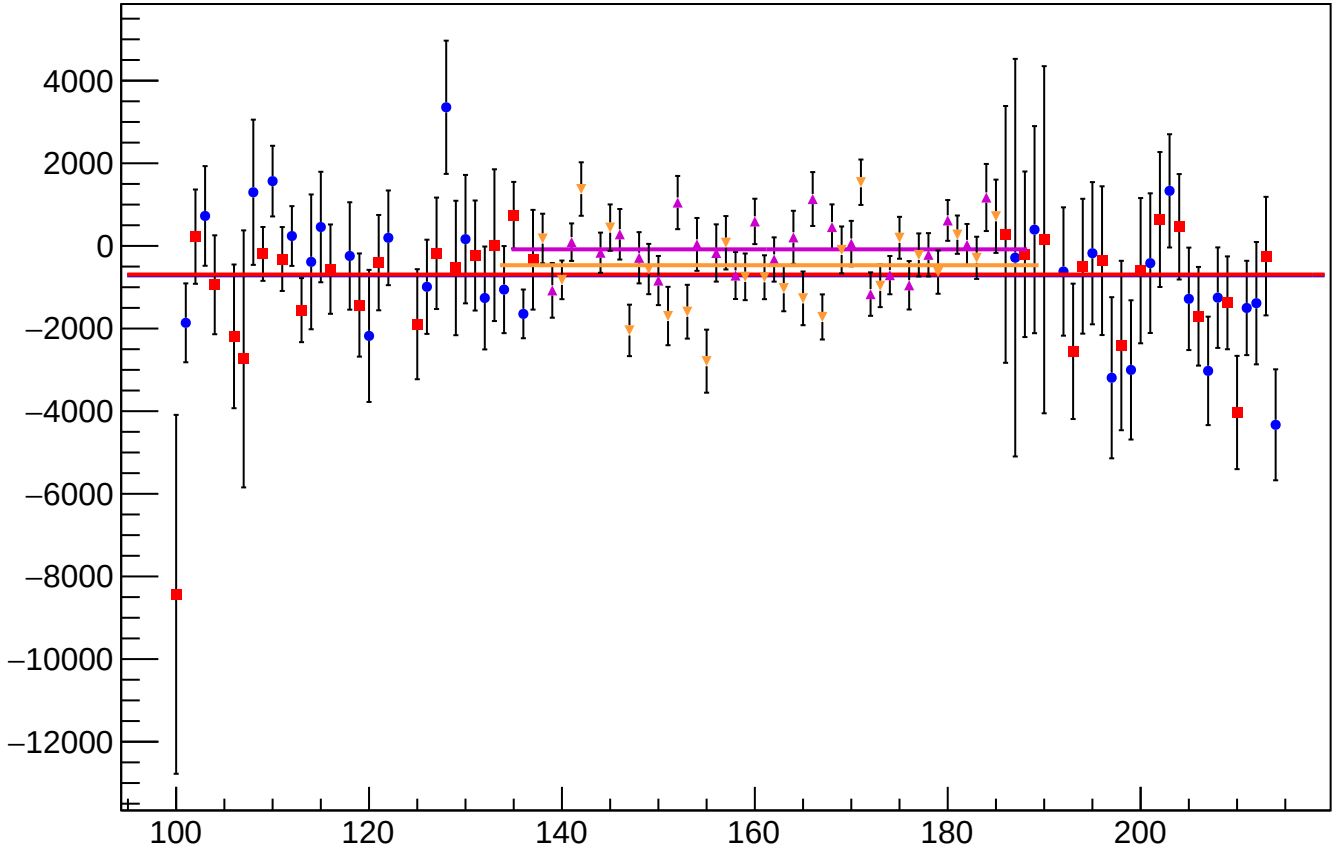
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 771.924+/-0.090 χ^2/NDF: 19903.8/53

All: 773.392+/-0.064 χ^2/NDF: 48872.0/108

- sign 774.869+/-0.090 χ^2/NDF: 28432.3/54

asym_us_dd_reg_correction_mean vs Slug



Right In: -711.956+/-222.517 χ^2/NDF: 42.4/29

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

Right Out: -692.562+/-223.634 χ^2/NDF: 22.8/31

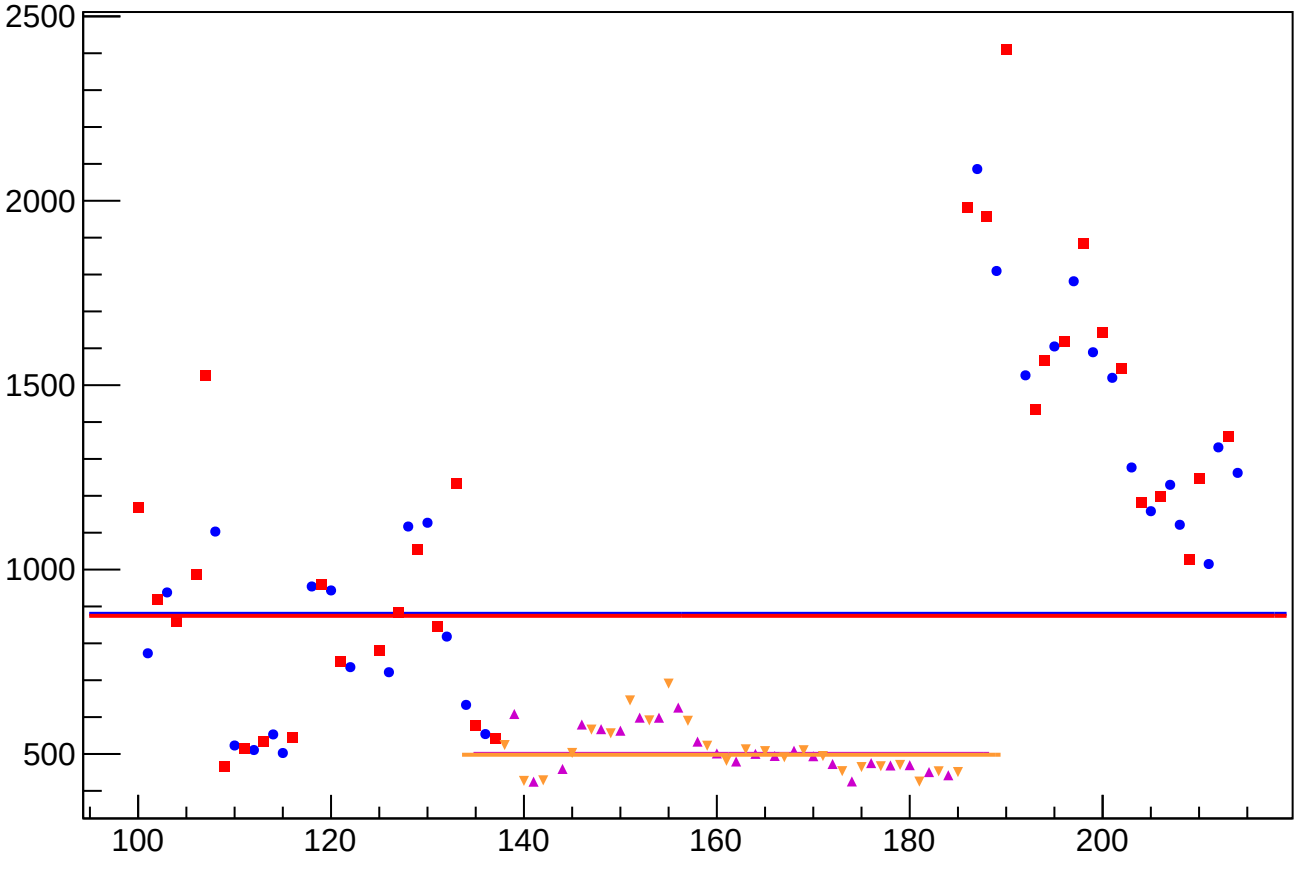
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -519.968+/-103.358 χ^2/NDF: 107.8/53

All: -369.030+/-73.391 χ^2/NDF: 168.9/108

\- sign -215.532+/-104.230 χ^2/NDF: 56.8/54

asym_us_dd_reg_correction_rms vs Slug



Right In: 880.029+/-0.157 χ^2/NDF: 5107860.5/29

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

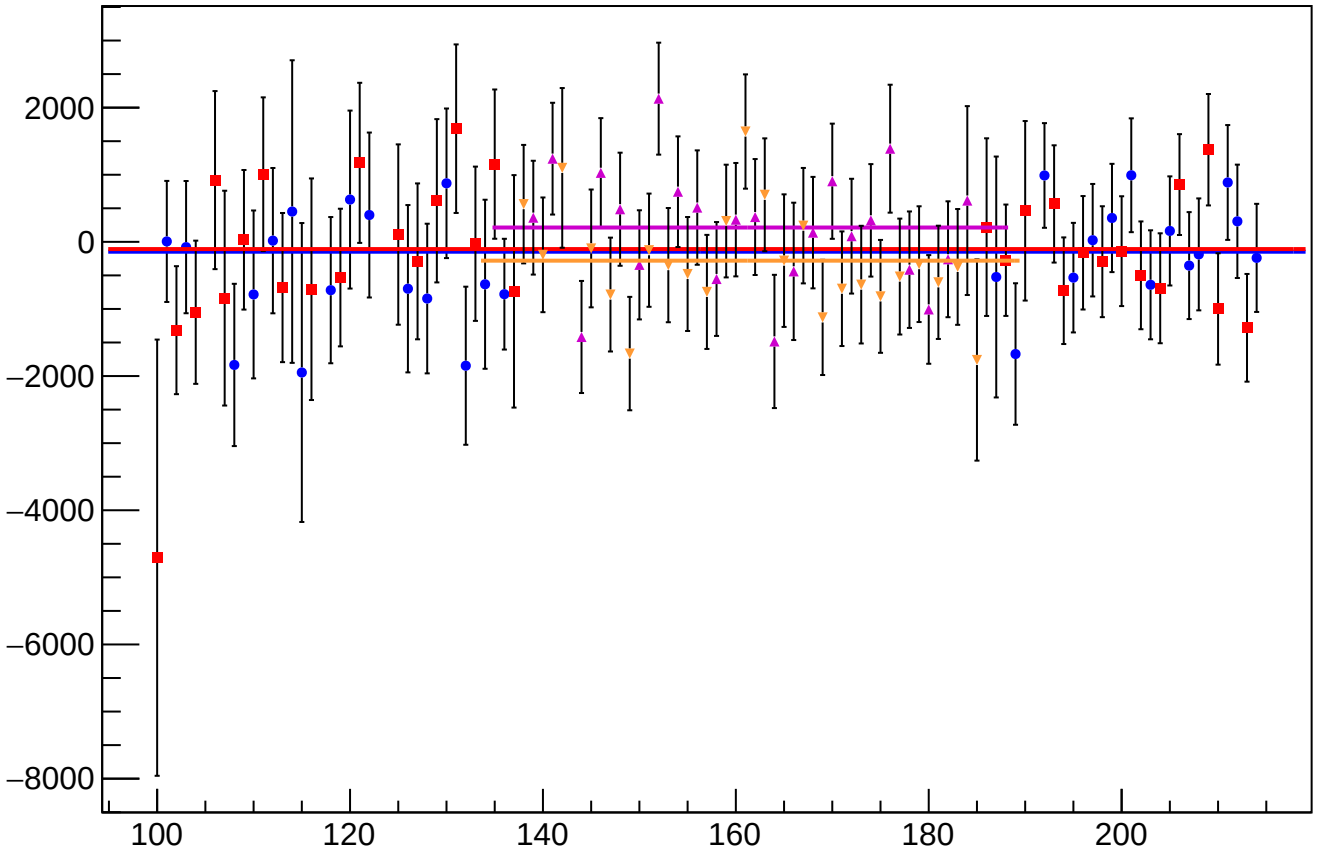
Right Out: 874.636+/-0.158 χ^2/NDF: 6384560.8/31

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

+ sign 580.398+/-0.073 χ^2/NDF: 10258945.9/53

All: 581.004+/-0.052 χ^2/NDF: 21507336.0/10

- sign 581.620+/-0.074 χ^2/NDF: 11248251.4/54



Right In: -147.002+/-179.524 χ^2/NDF: 17.1/29

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

Right Out: -107.645+/-179.181 χ^2/NDF: 22.2/31

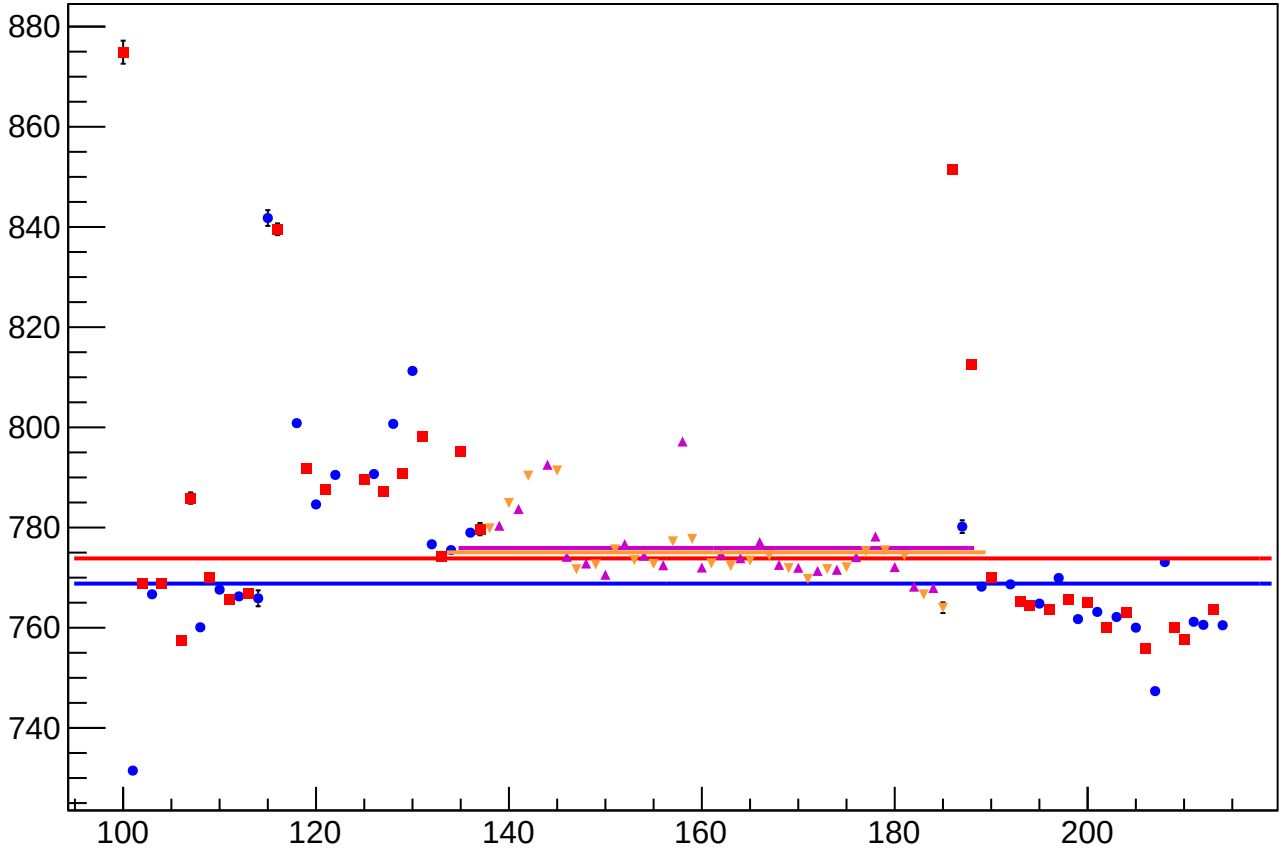
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -213.551+/-127.068 χ^2/NDF: 33.4/53

All: -81.557+/-89.967 χ^2/NDF: 81.7/108

- sign 51.120+/-127.397 χ^2/NDF: 46.1/54

cor_asym_us_dd_rms vs Slug



Right In: 768.810+/-0.127 χ^2/NDF: 16746.9/29

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

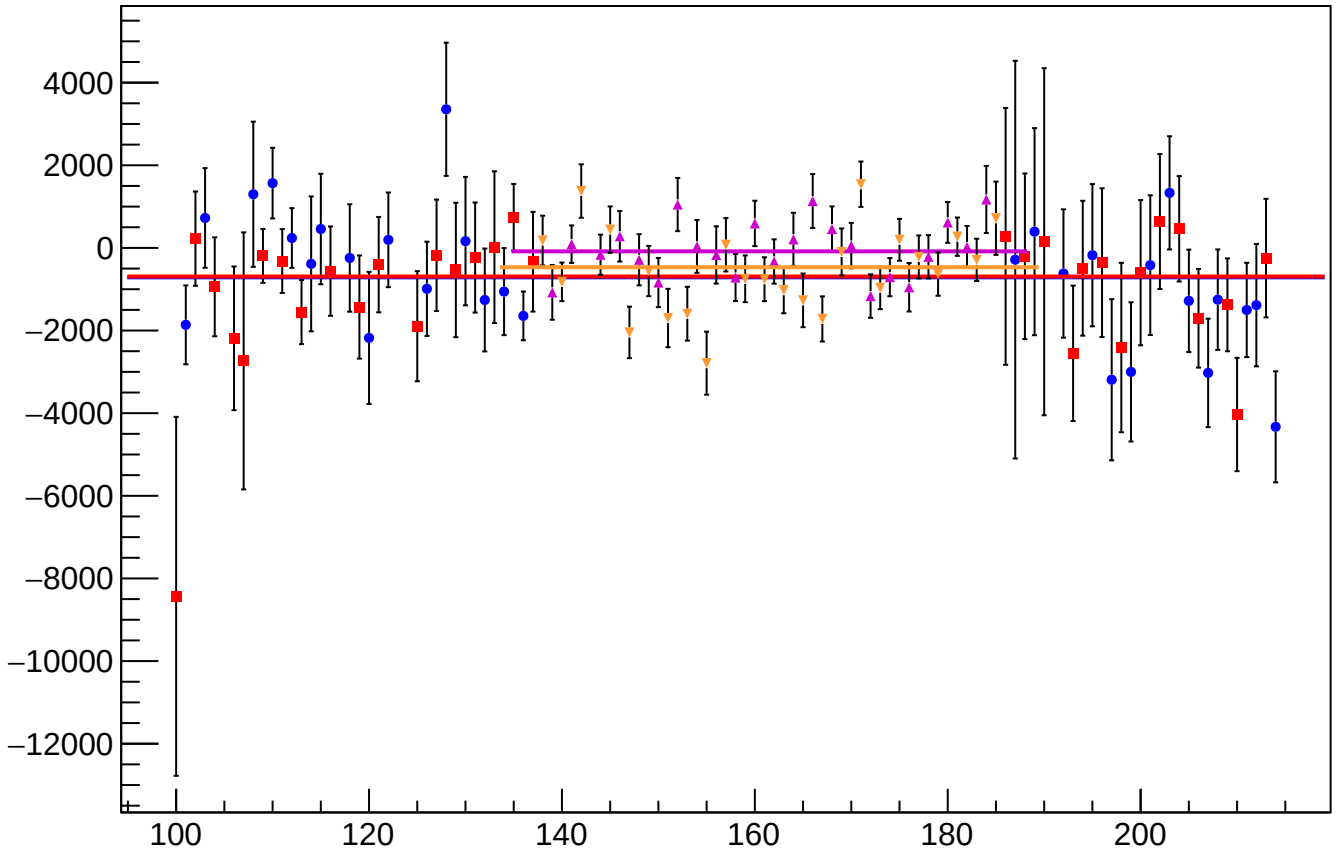
Right Out: 773.839+/-0.127 χ^2/NDF: 25325.7/31

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

+ sign 771.924+/-0.090 χ^2/NDF: 19903.8/53

All: 773.392+/-0.064 χ^2/NDF: 48872.0/108

- sign 774.869+/-0.090 χ^2/NDF: 28432.3/54



Right In: -711.956+/-222.517 χ^2/NDF: 42.4/29

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

Right Out: -692.562+/-223.634 χ^2/NDF: 22.8/31

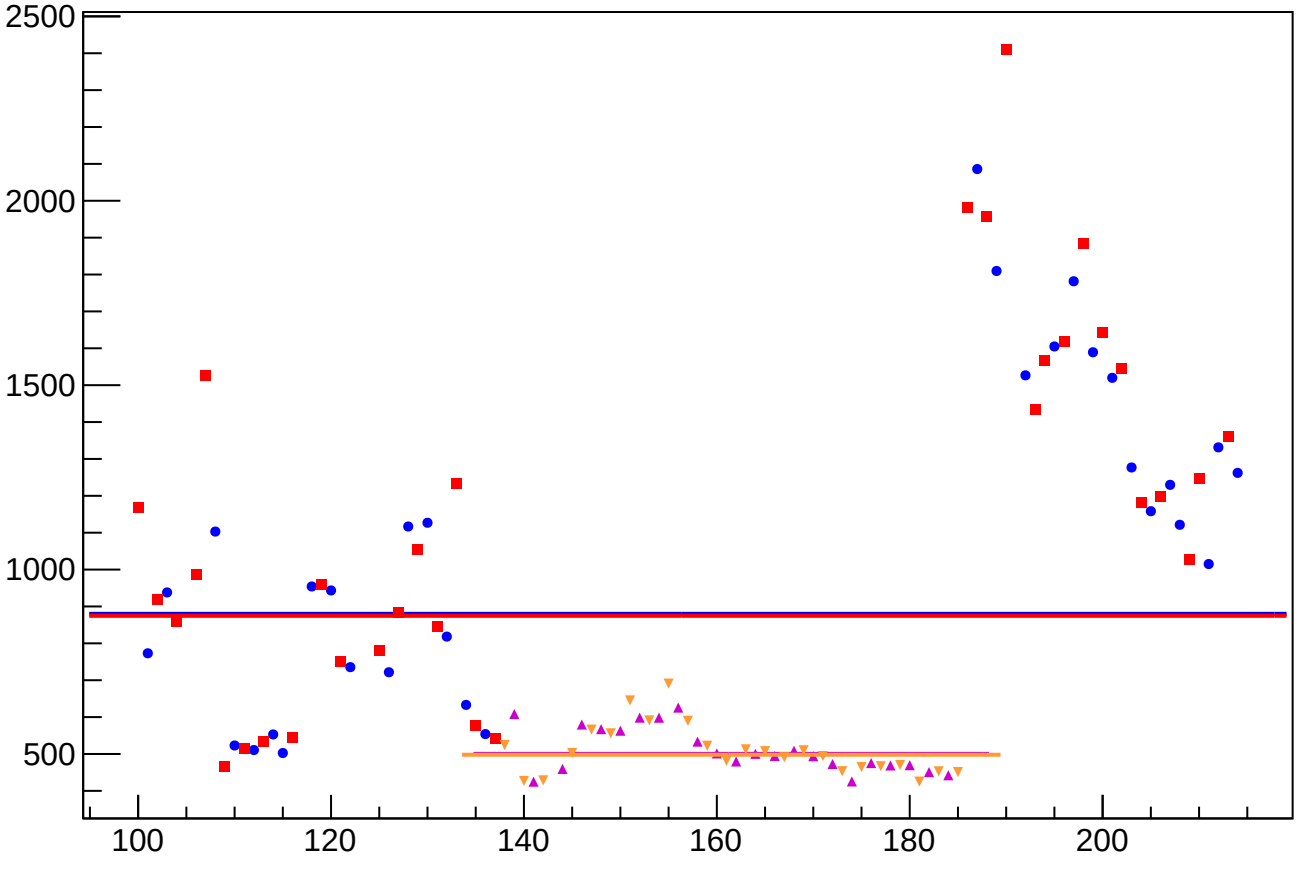
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -519.968+/-103.358 χ^2/NDF: 107.8/53

All: -369.030+/-73.391 χ^2/NDF: 168.9/108

\- sign -215.532+/-104.230 χ^2/NDF: 56.8/54

asym_us_dd_cor_correction_rms vs Slug



Right In: 880.029+/-0.157 χ^2/NDF: 5107860.5/29

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

Right Out: 874.636+/-0.158 χ^2/NDF: 6384560.8/31

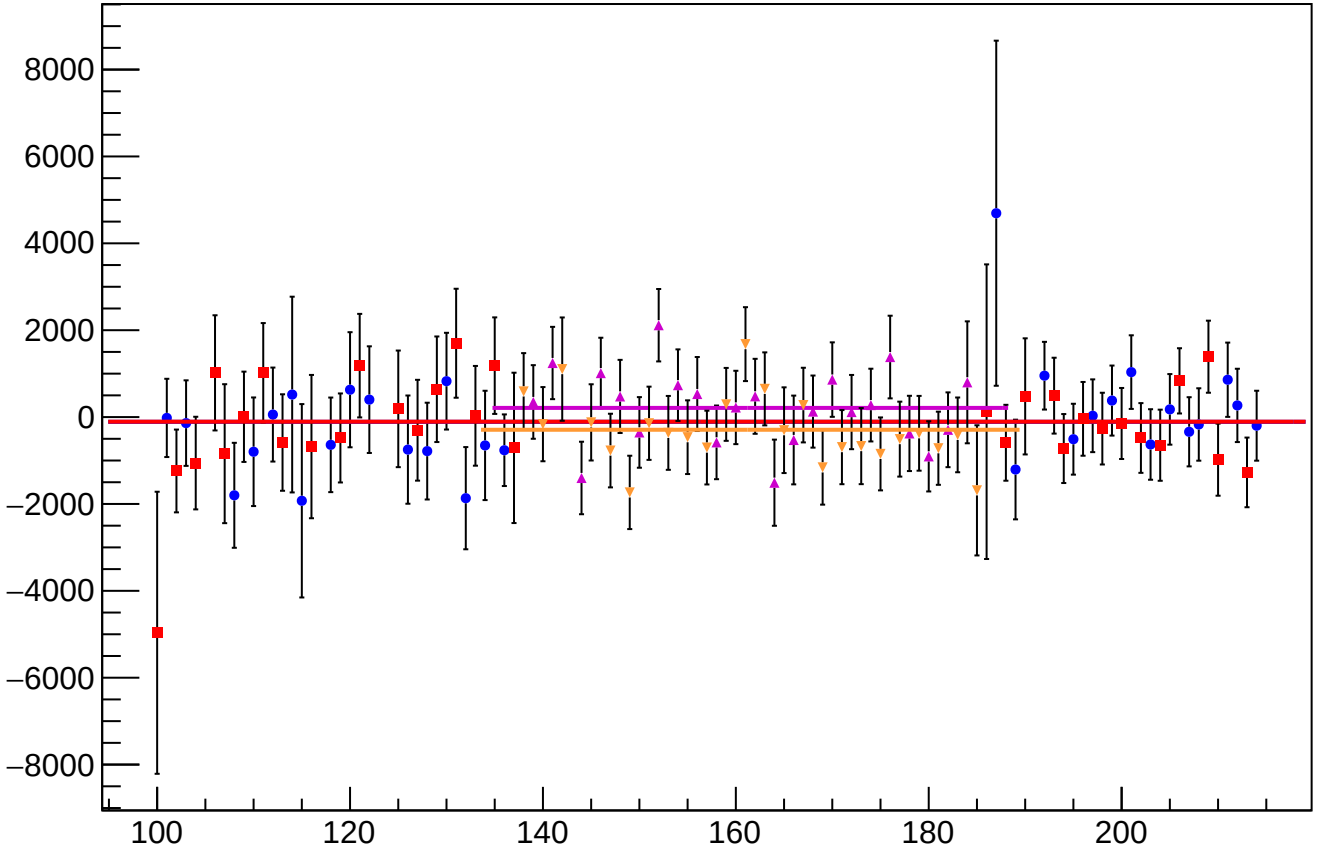
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 580.398+/-0.073 χ^2/NDF: 10258945.9/53

All: 581.004+/-0.052 χ^2/NDF: 21507336.0/10

- sign 581.620+/-0.074 χ^2/NDF: 11248251.4/54

overload_cor_asym_us_dd_mean vs Slug



Right In: -109.547+/-180.502 χ^2/NDF: 17.0/29

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

Right Out: -105.777+/-180.907 χ^2/NDF: 22.3/31

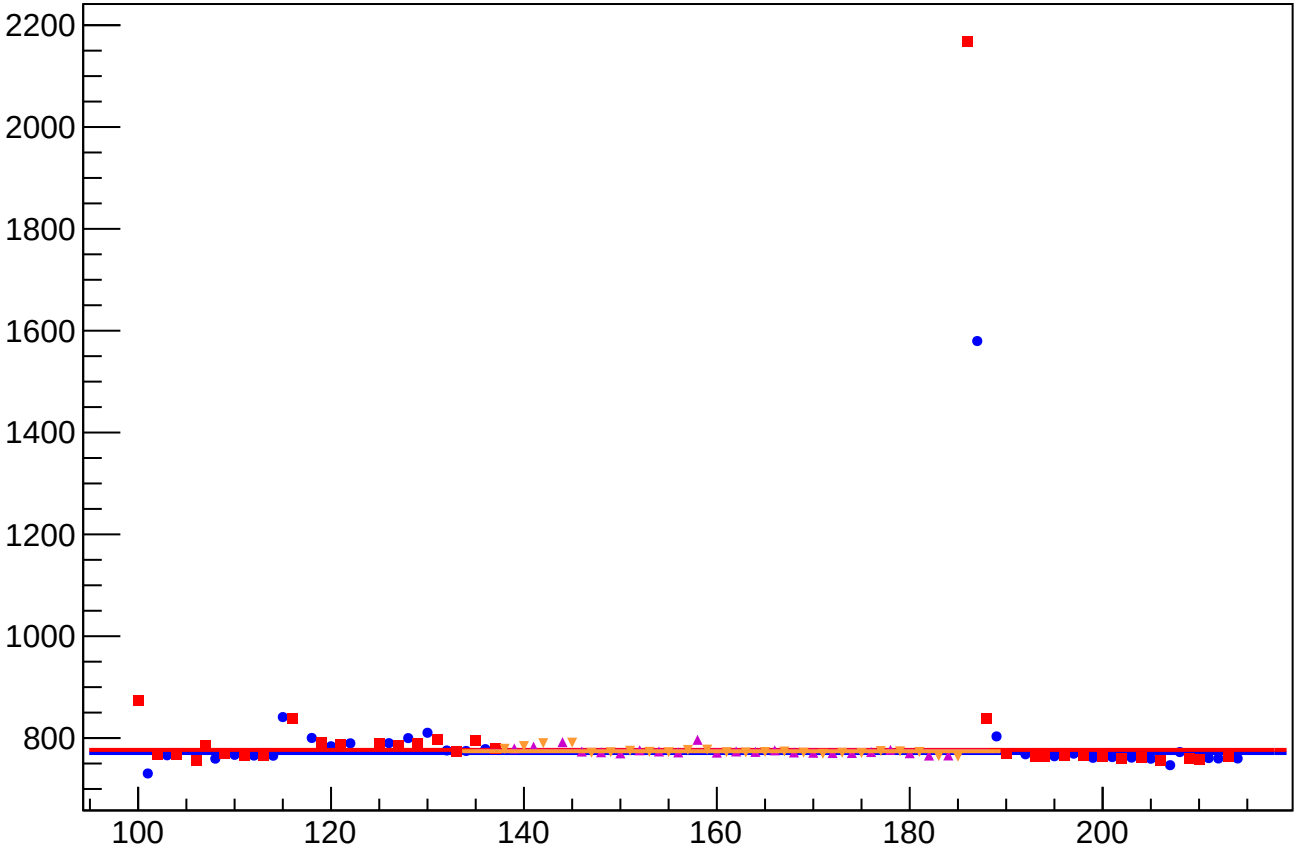
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -201.213+/-127.339 χ^2/NDF: 34.1/53

All: -74.854+/-90.253 χ^2/NDF: 82.1/108

- sign 52.692+/-127.936 χ^2/NDF: 46.0/54

overload_cor_asym_us_dd_rms vs Slug



Right In: 770.594+/-0.128 χ^2/NDF: 101662.5/29

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

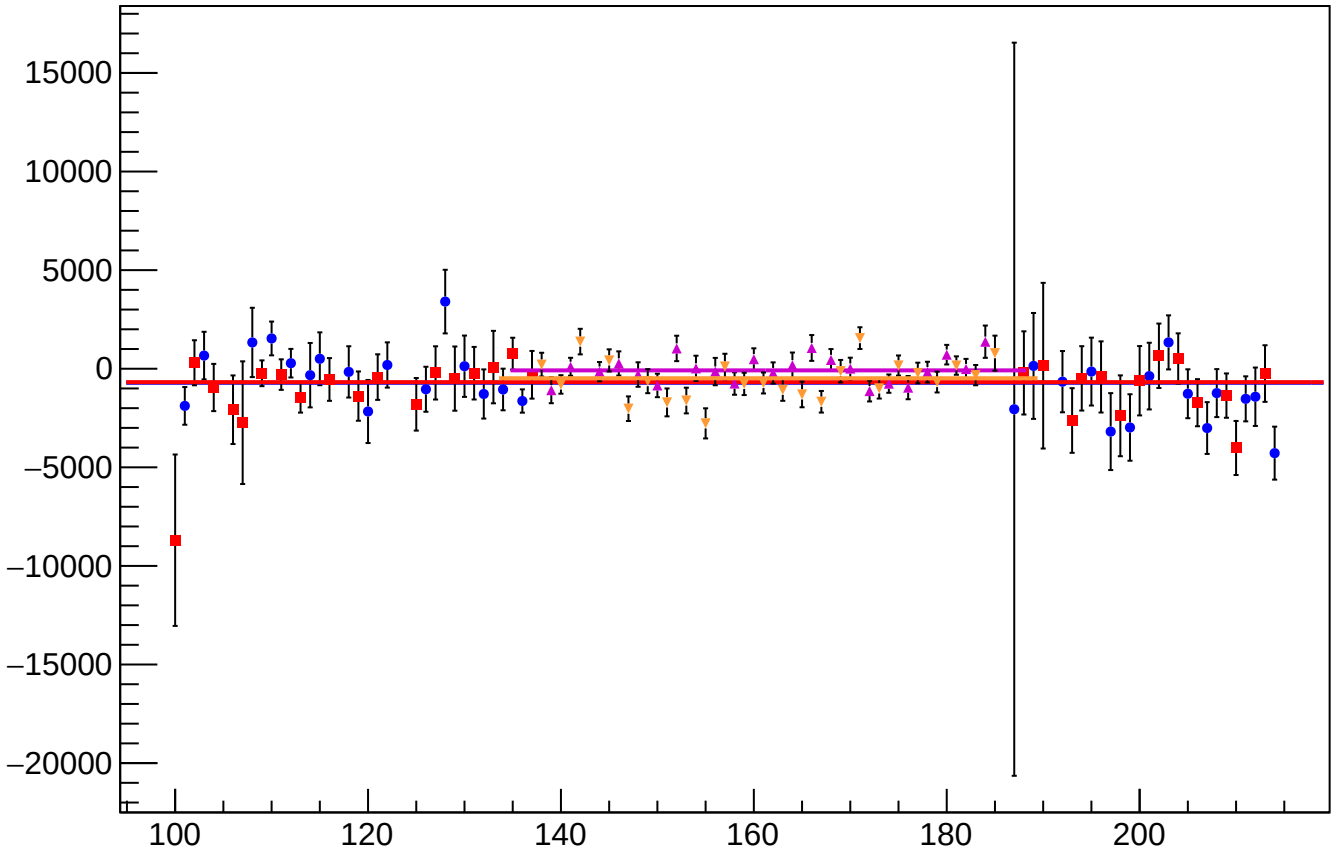
Right Out: 776.749+/-0.128 χ^2/NDF: 362197.6/31

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

+ sign 772.376+/-0.090 χ^2/NDF: 104110.9/53

All: 774.115+/-0.064 χ^2/NDF: 470300.1/108

- sign 775.869+/-0.090 χ^2/NDF: 365440.3/54



Right In: -711.468+/-223.098 χ^2/NDF: 42.2/29

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

Right Out: -681.278+/-224.622 χ^2/NDF: 22.7/30

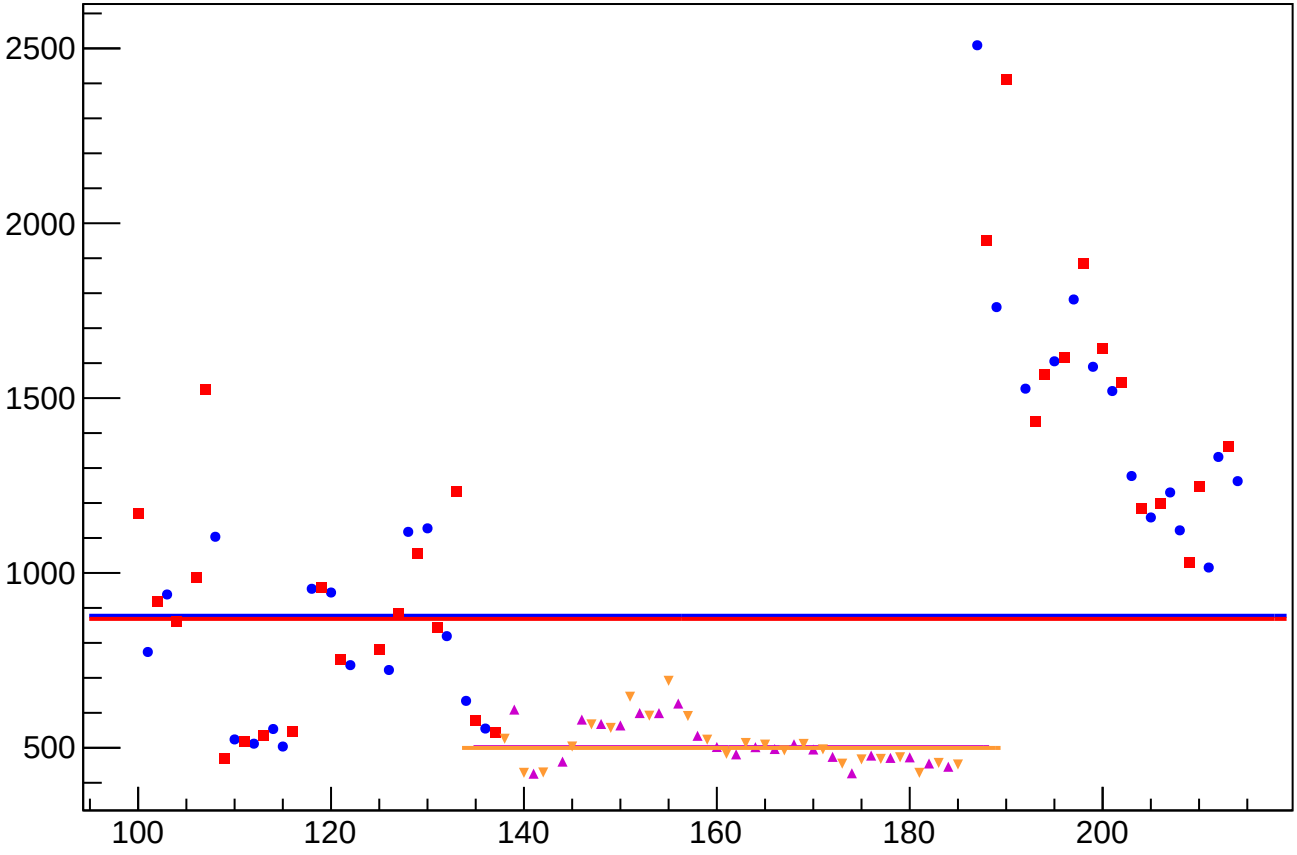
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

\+ sign -531.020+/-103.679 χ^2/NDF: 106.6/53

All: -373.355+/-73.635 χ^2/NDF: 167.7/107

\- sign -212.884+/-104.597 χ^2/NDF: 56.5/53

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 877.589+/-0.158 χ^2/NDF: 4920435.4/29

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

Right Out: 868.651+/-0.159 χ^2/NDF: 6040896.1/30

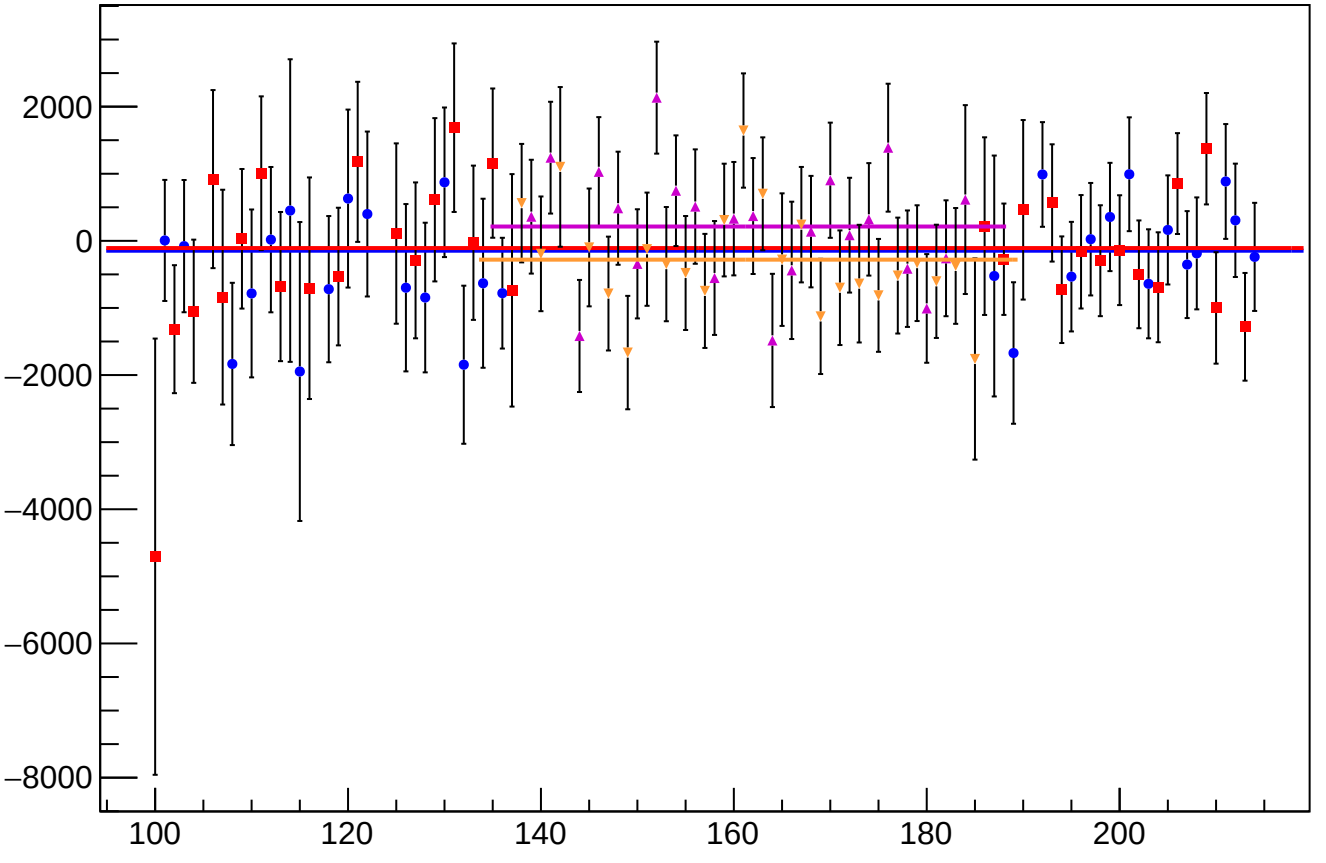
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 581.289+/-0.073 χ^2/NDF: 9936285.7/53

All: 581.406+/-0.052 χ^2/NDF: 20617380.8/10

- sign 581.525+/-0.074 χ^2/NDF: 10681090.0/53

eigen_cor_asym_us_dd_mean vs Slug



Right In: -147.002+/-179.524 χ^2/NDF: 17.1/29

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

Right Out: -107.645+/-179.181 χ^2/NDF: 22.2/31

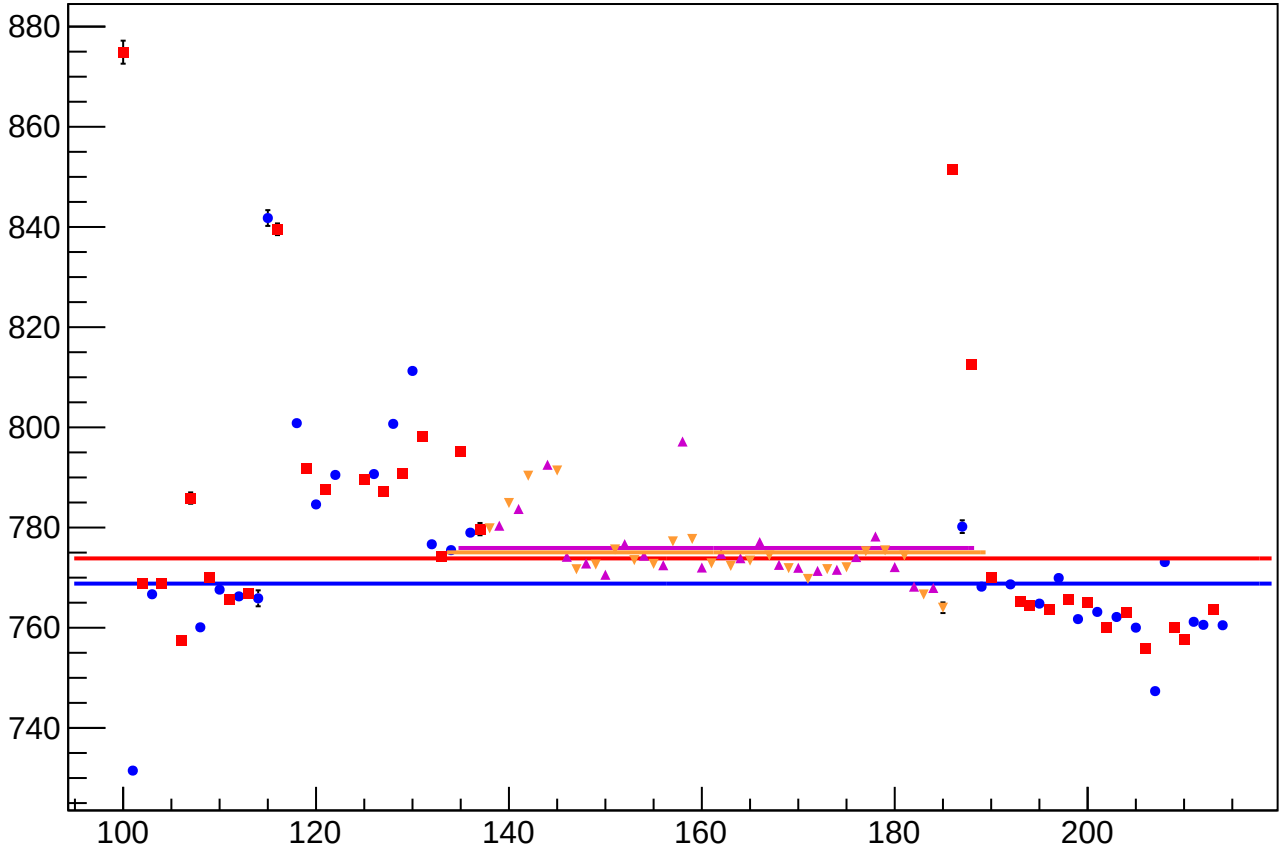
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -213.551+/-127.068 χ^2/NDF: 33.4/53

All: -81.557+/-89.967 χ^2/NDF: 81.7/108

- sign 51.120+/-127.397 χ^2/NDF: 46.1/54

eigen_cor_asym_us_dd_rms vs Slug



Right In: 768.810+/-0.127 χ^2/NDF: 16746.9/29

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

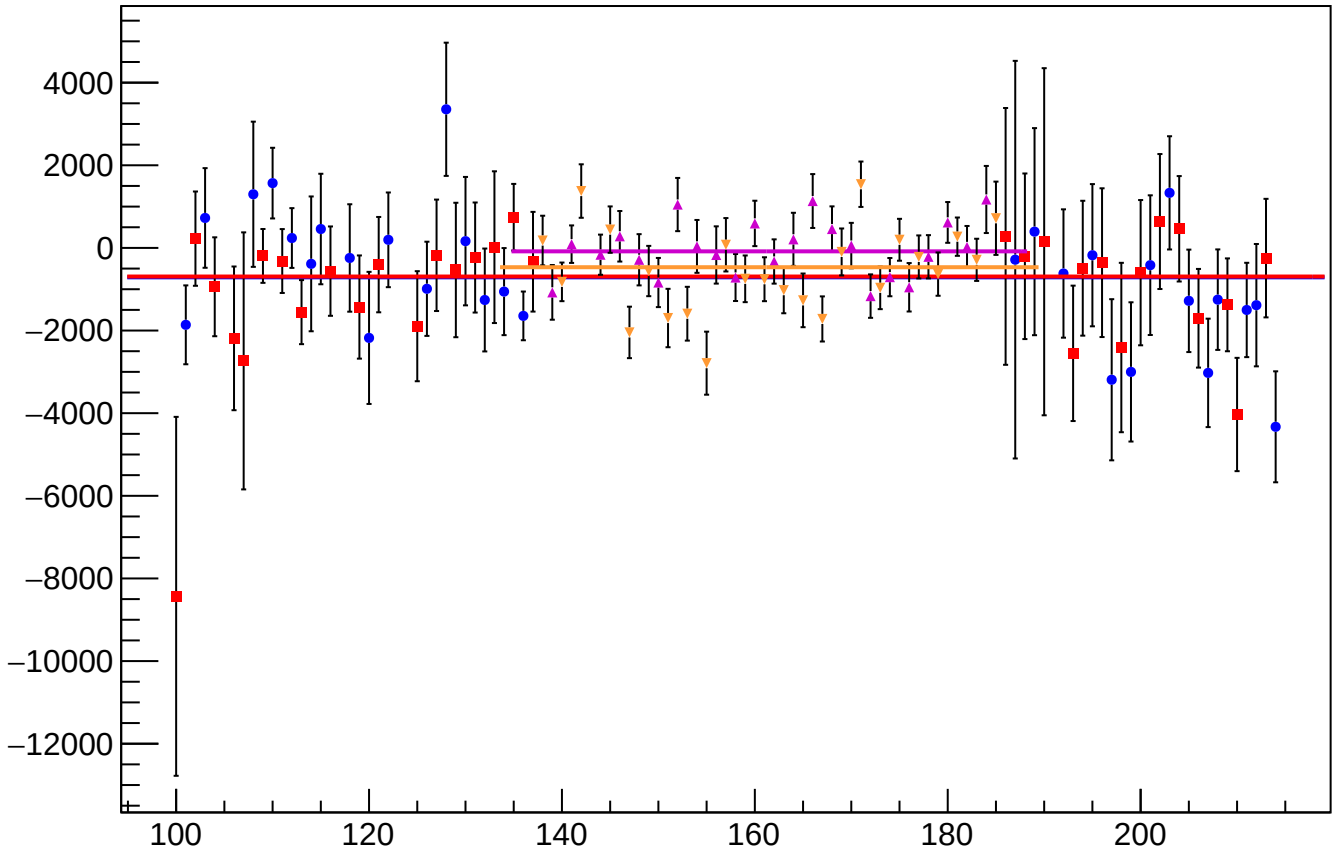
Right Out: 773.839+/-0.127 χ^2/NDF: 25325.7/31

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

+ sign 771.924+/-0.090 χ^2/NDF: 19903.8/53

All: 773.392+/-0.064 χ^2/NDF: 48872.0/108

- sign 774.869+/-0.090 χ^2/NDF: 28432.3/54



Right In: -711.956+/-222.517 χ^2/NDF: 42.4/29

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

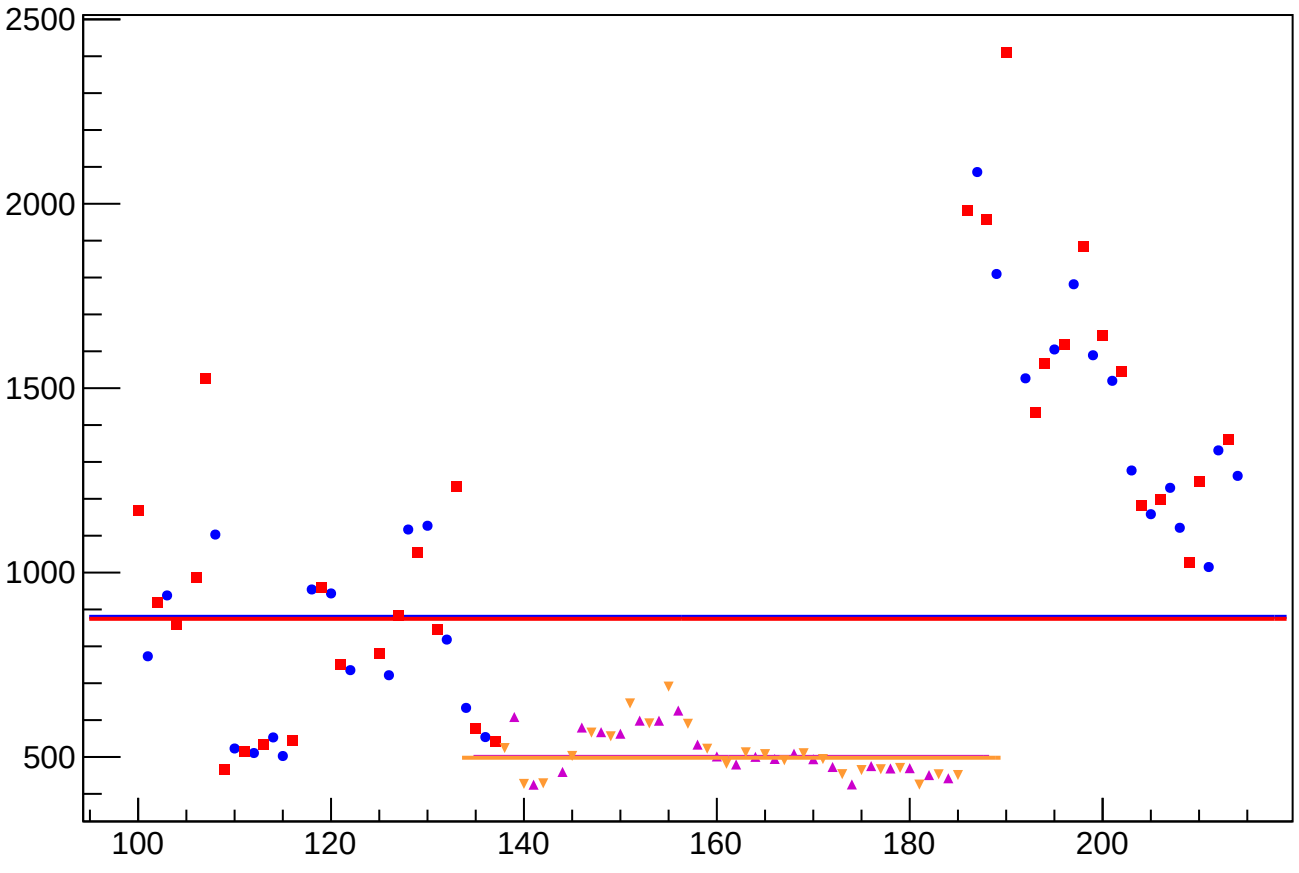
Right Out: -692.562+/-223.634 χ^2/NDF: 22.8/31

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

\+ sign -519.968+/-103.358 χ^2/NDF: 107.8/53

All: -369.030+/-73.391 χ^2/NDF: 168.9/108

\- sign -215.532+/-104.230 χ^2/NDF: 56.8/54



Right In: 880.029+/-0.157 χ^2/NDF: 5107860.5/29

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

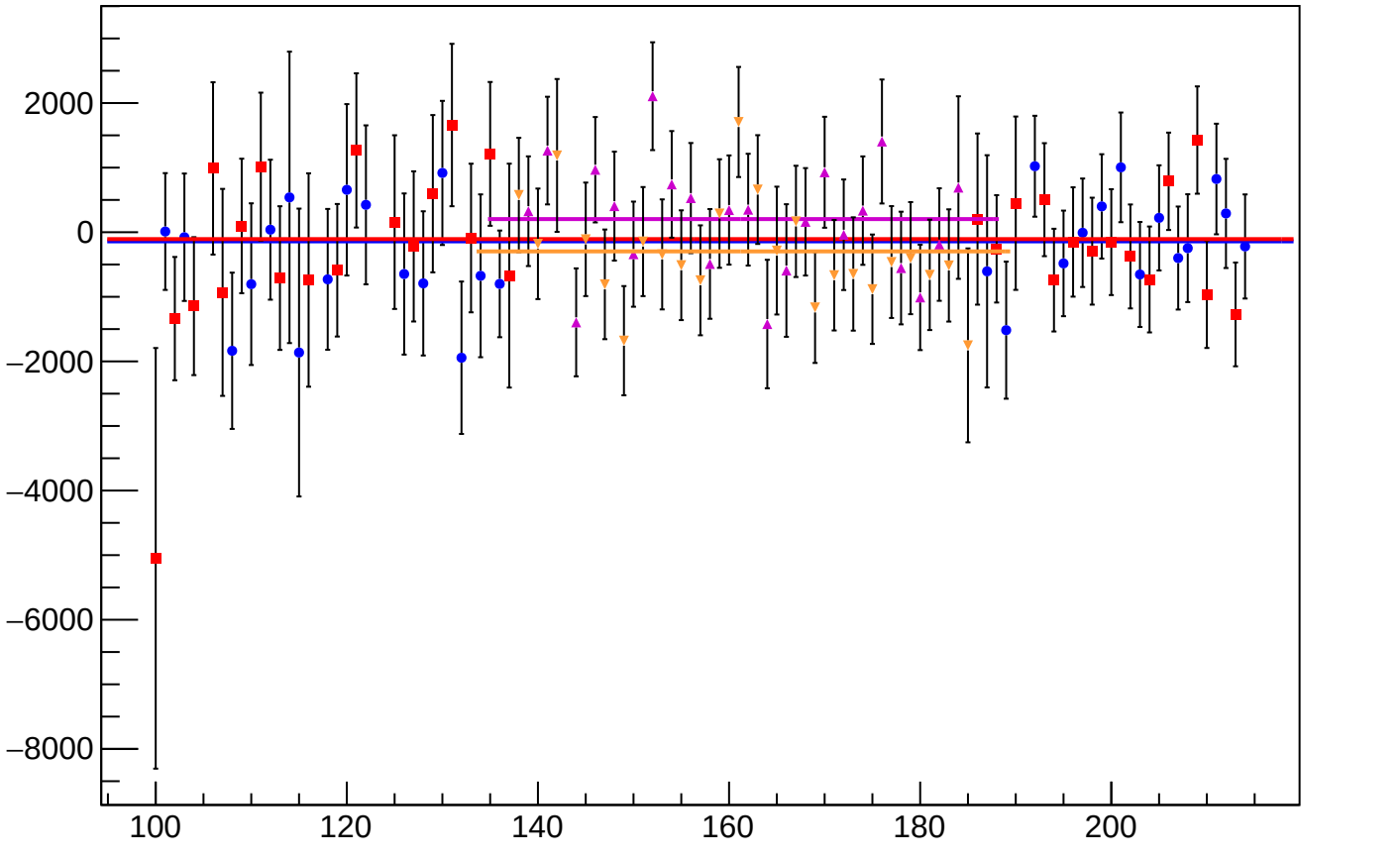
Right Out: 874.636+/-0.158 χ^2/NDF: 6384560.8/31

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

+ sign 580.398+/-0.073 χ^2/NDF: 10258945.9/53

All: 581.004+/-0.052 χ^2/NDF: 21507336.0/10

- sign 581.620+/-0.074 χ^2/NDF: 11248251.4/54



Right In: -141.314+/-179.739 χ^2/NDF: 17.1/29

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

Right Out: -106.747+/-179.399 χ^2/NDF: 22.8/31

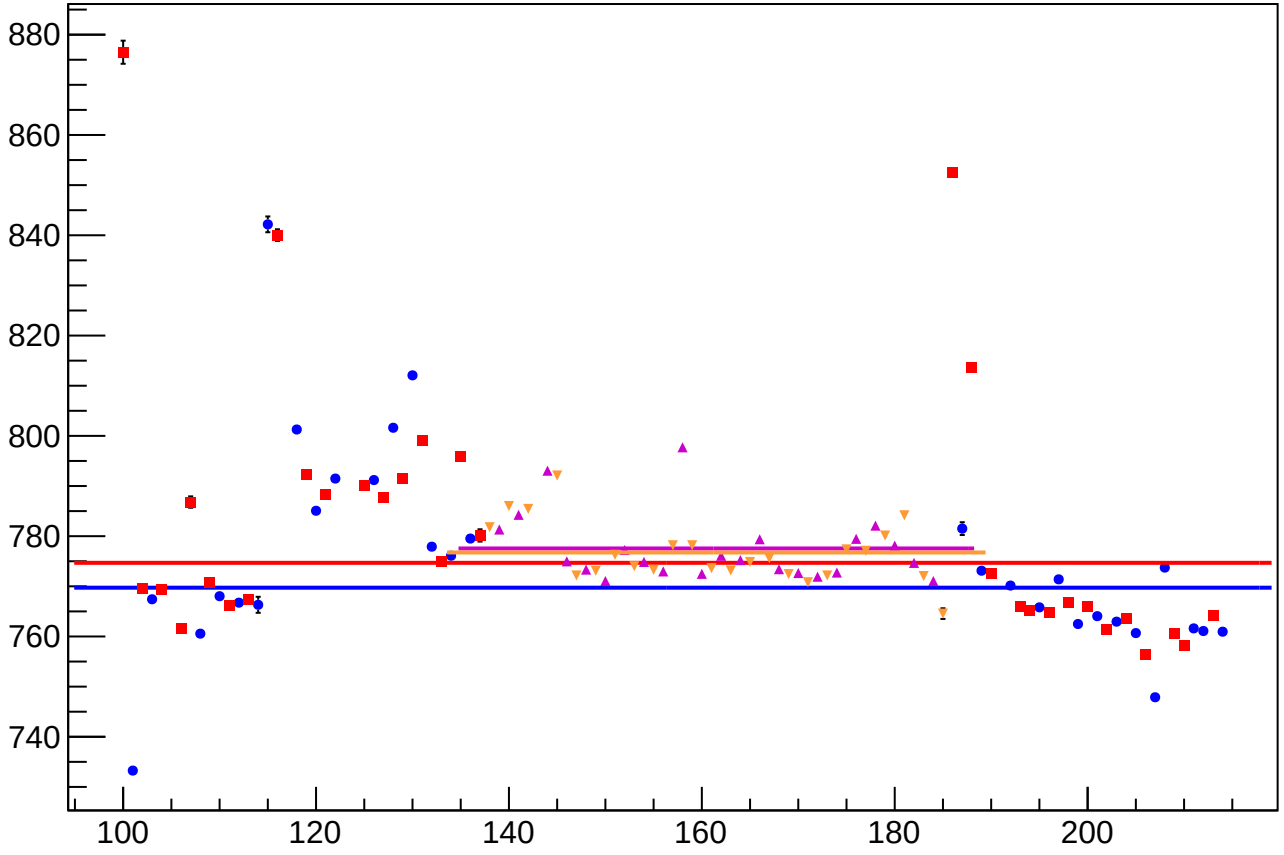
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -218.809+/-127.285 χ^2/NDF: 34.2/53

All: -86.514+/-90.118 χ^2/NDF: 82.7/108

- sign 46.449+/-127.607 χ^2/NDF: 46.4/54

dit_asym_us_dd_rms vs Slug



Right In: 769.729+/-0.127 χ^2/NDF: 16585.2/29

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

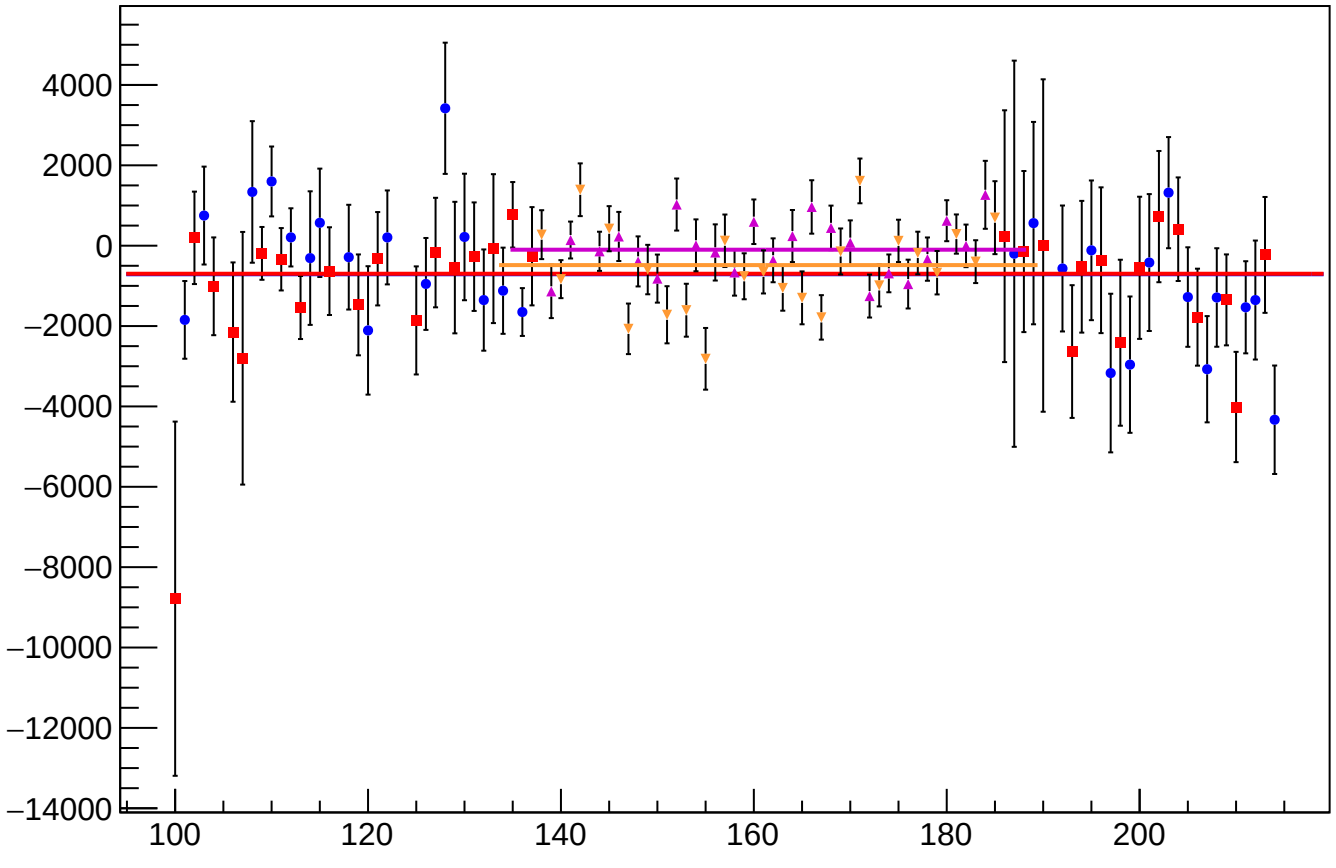
Right Out: 774.689+/-0.127 χ^2/NDF: 25230.4/31

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

+ sign 773.229+/-0.090 χ^2/NDF: 19933.1/53

All: 774.662+/-0.064 χ^2/NDF: 48673.8/108

- sign 776.103+/-0.090 χ^2/NDF: 28232.4/54



Right In: -710.996+/-224.427 χ^2/NDF: 42.4/29

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

Right Out: -698.267+/-225.457 χ^2/NDF: 23.0/31

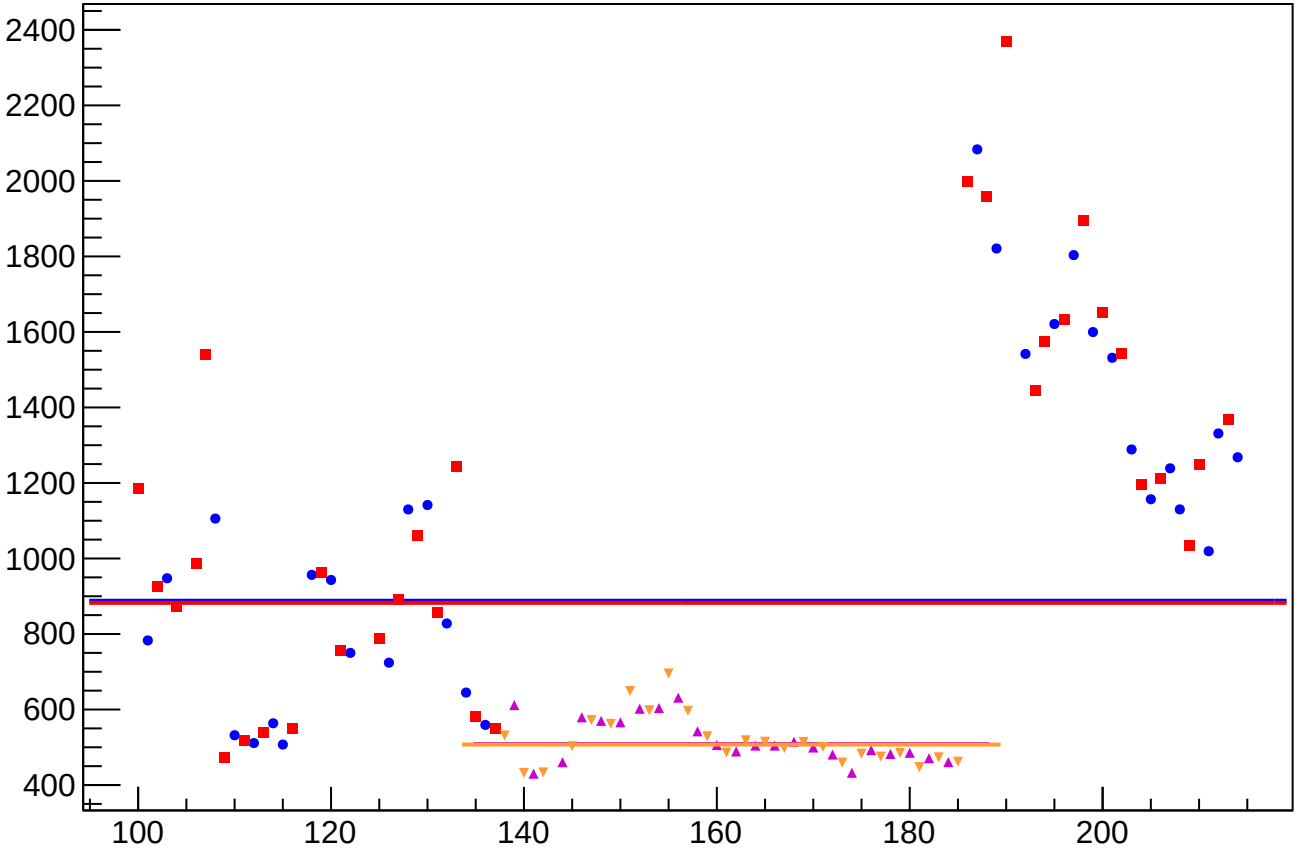
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

\+ sign -532.818+/-105.001 χ^2/NDF: 108.3/53

All: -383.172+/-74.495 χ^2/NDF: 168.3/108

\- sign -231.504+/-105.707 χ^2/NDF: 55.9/54

asym_us_dd_dit_correction_rms vs Slug



Right In: 888.088+/-0.159 χ^2/NDF: 5077109.4/29

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

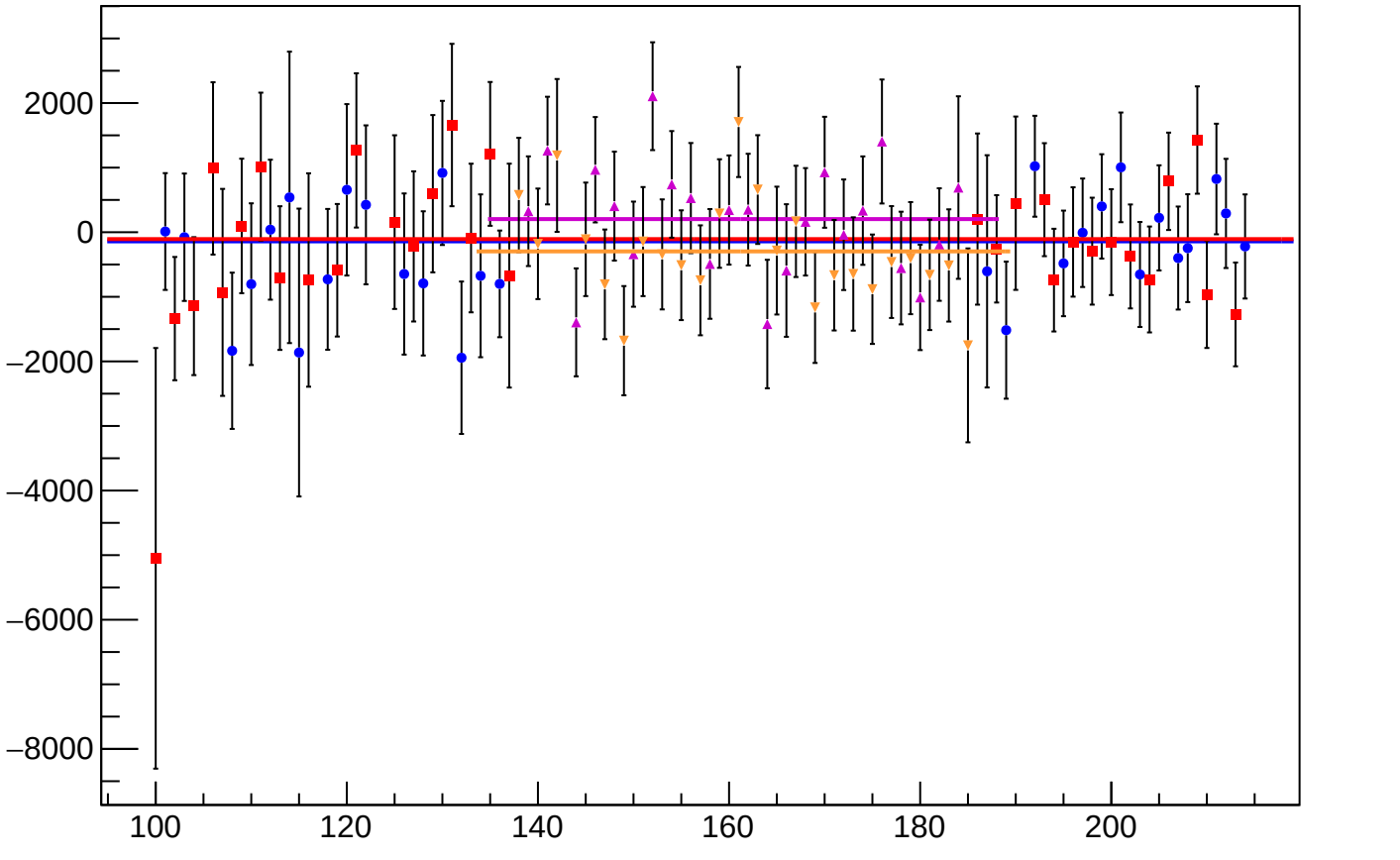
Right Out: 882.525+/-0.159 χ^2/NDF: 6336997.7/31

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

+ sign 590.667+/-0.074 χ^2/NDF: 10048003.4/53

All: 590.747+/-0.053 χ^2/NDF: 21108588.7/10

- sign 590.829+/-0.075 χ^2/NDF: 11060583.0/54



Right In: -141.315+/-179.739 χ^2/NDF: 17.1/29

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

Right Out: -106.746+/-179.399 χ^2/NDF: 22.8/31

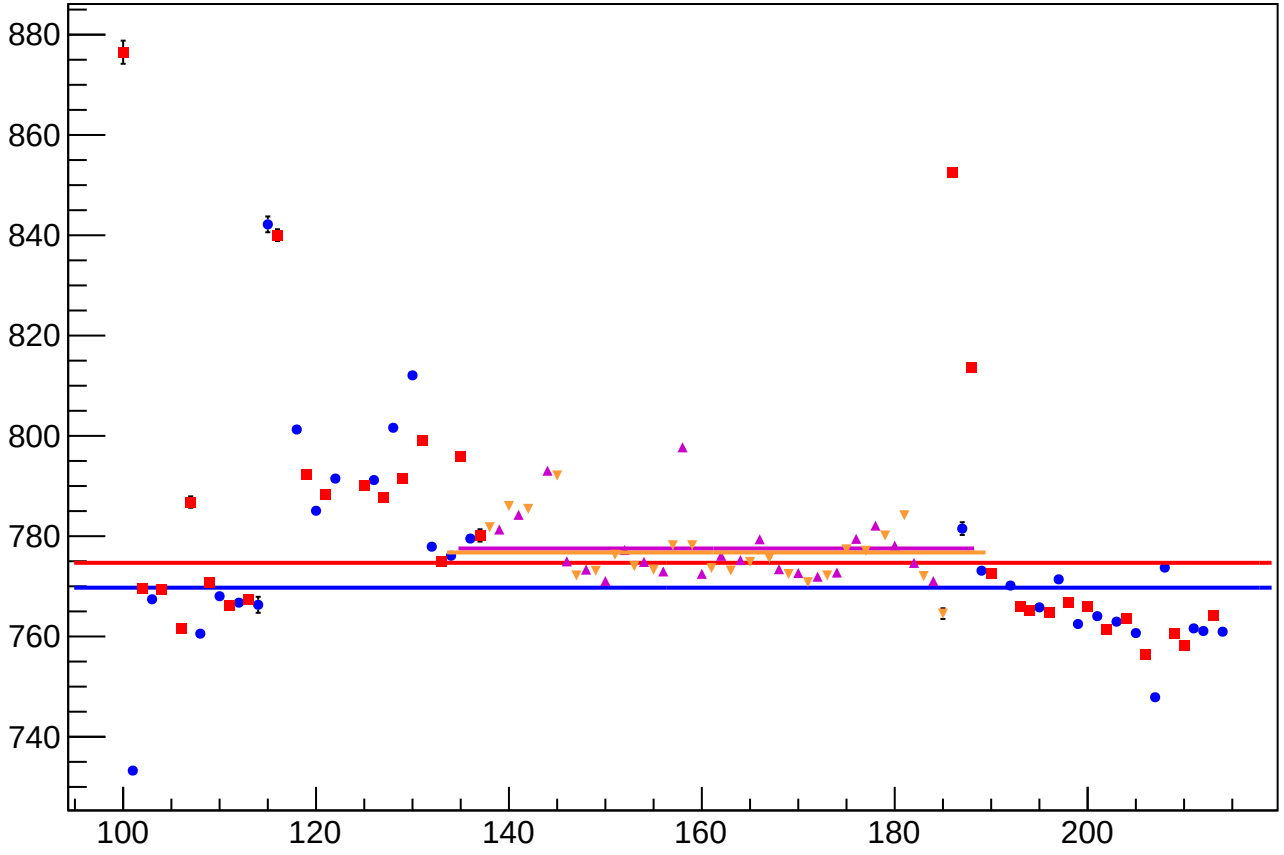
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -218.809+/-127.285 χ^2/NDF: 34.2/53

All: -86.515+/-90.118 χ^2/NDF: 82.7/108

- sign 46.449+/-127.607 χ^2/NDF: 46.4/54

eigen_dit_asym_us_dd_rms vs Slug



Right In: 769.729+/-0.127 χ^2/NDF: 16585.2/29

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

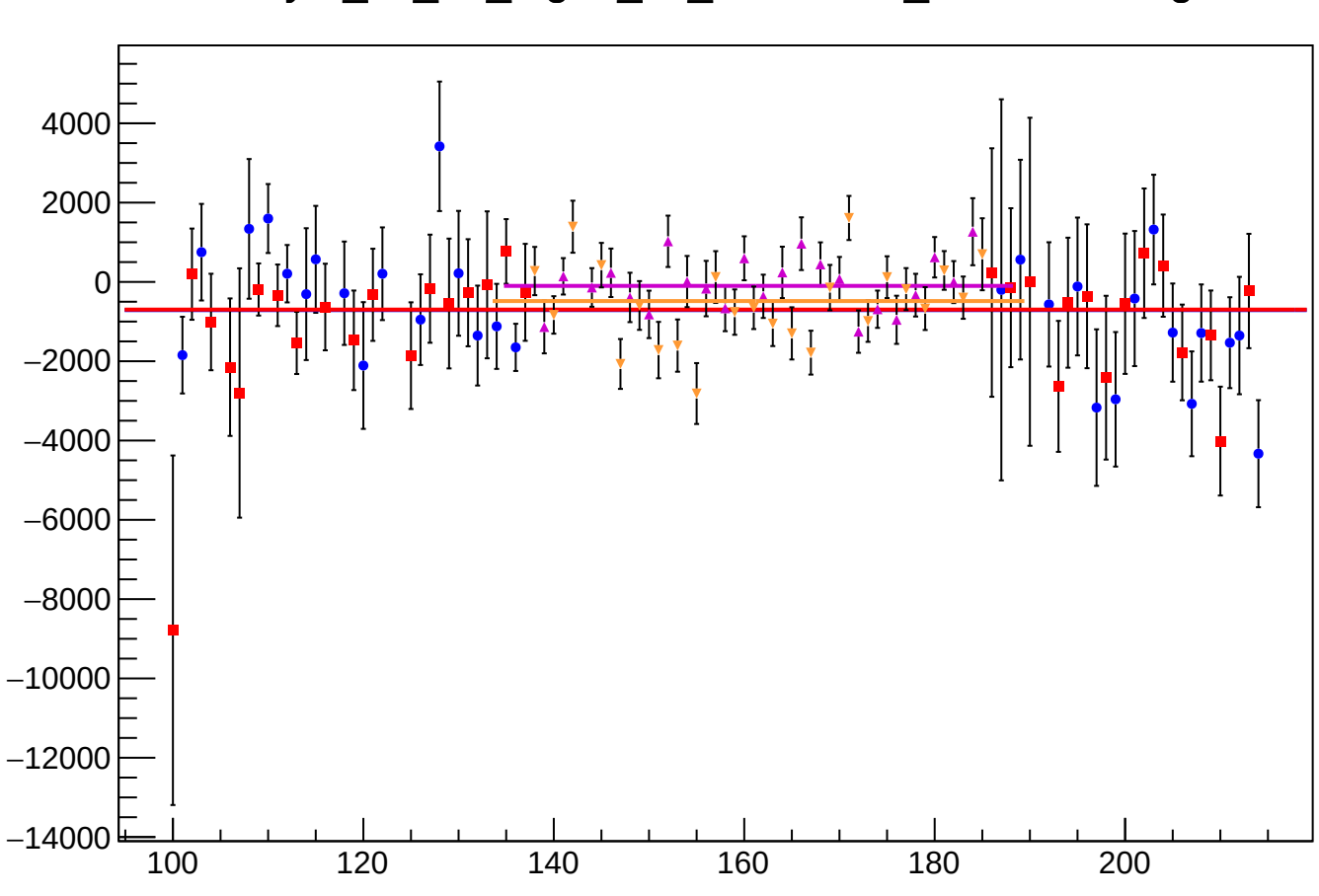
Right Out: 774.689+/-0.127 χ^2/NDF: 25230.4/31

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

+ sign 773.229+/-0.090 χ^2/NDF: 19933.1/53

All: 774.662+/-0.064 χ^2/NDF: 48673.7/108

- sign 776.103+/-0.090 χ^2/NDF: 28232.4/54



Right In: -710.989+/-224.426 χ^2/NDF: 42.4/29

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

Right Out: -698.265+/-225.456 χ^2/NDF: 23.0/31

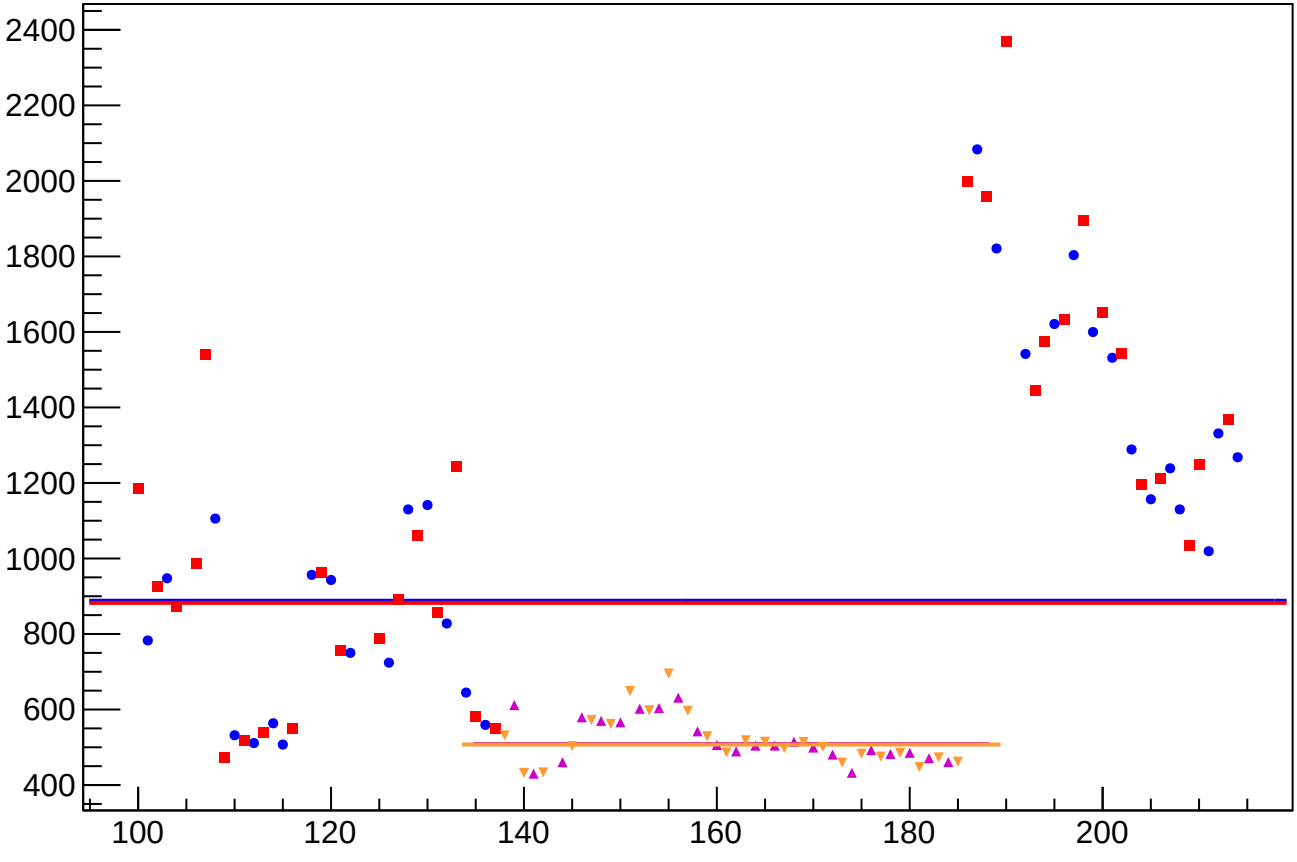
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

\+ sign -532.817+/-105.000 χ^2/NDF: 108.3/53

All: -383.171+/-74.495 χ^2/NDF: 168.3/108

\- sign -231.504+/-105.707 χ^2/NDF: 55.9/54

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 888.085+/-0.159 χ^2/NDF: 5077179.8/29

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

Right Out: 882.521+/-0.159 χ^2/NDF: 6337067.6/31

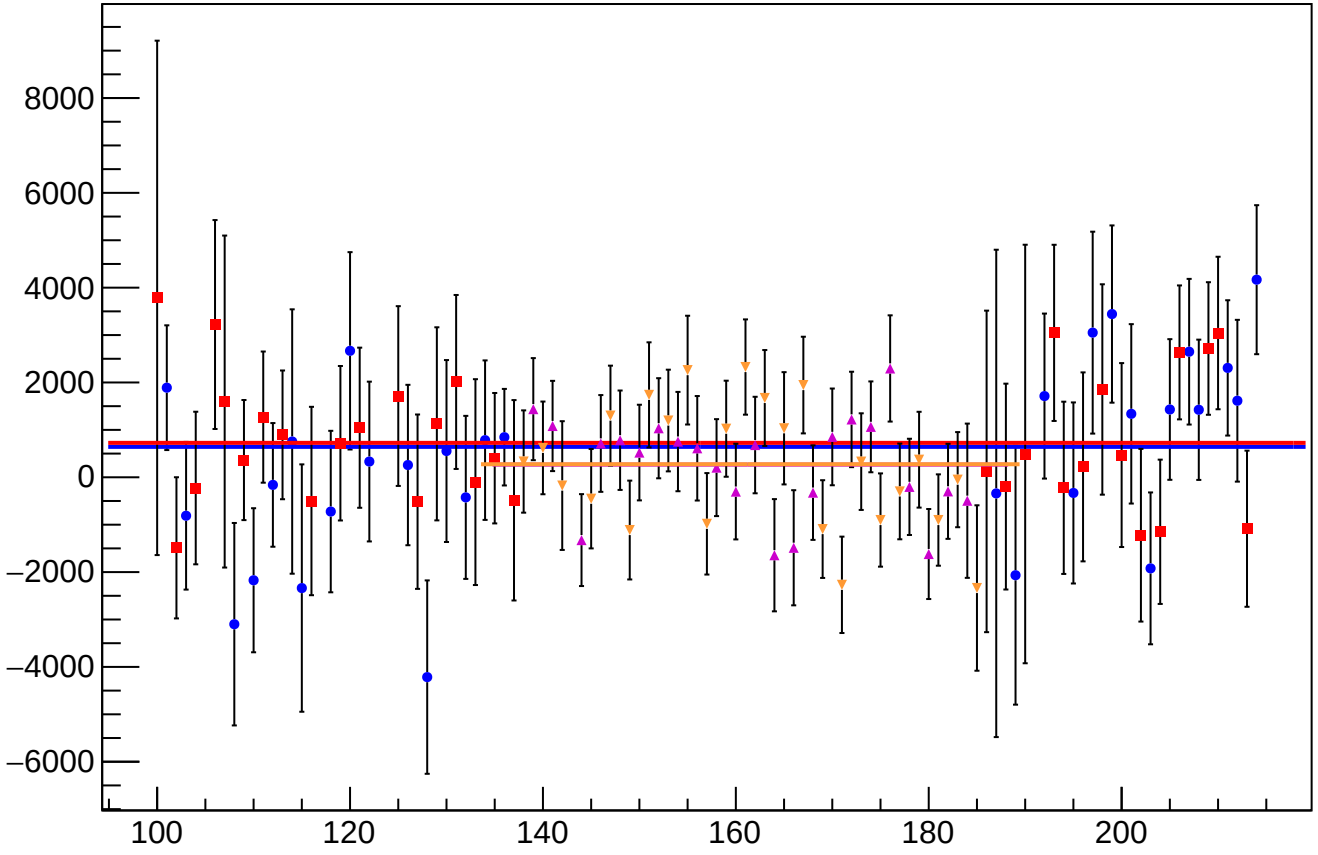
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 590.667+/-0.074 χ^2/NDF: 10048017.8/53

All: 590.747+/-0.053 χ^2/NDF: 21108627.9/10

- sign 590.828+/-0.075 χ^2/NDF: 11060607.8/54

asym_us_dd_mean vs Slug



Right In: 641.605+/-308.958 χ^2/NDF: 34.6/29

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

Right Out: 726.176+/-315.155 χ^2/NDF: 18.9/31

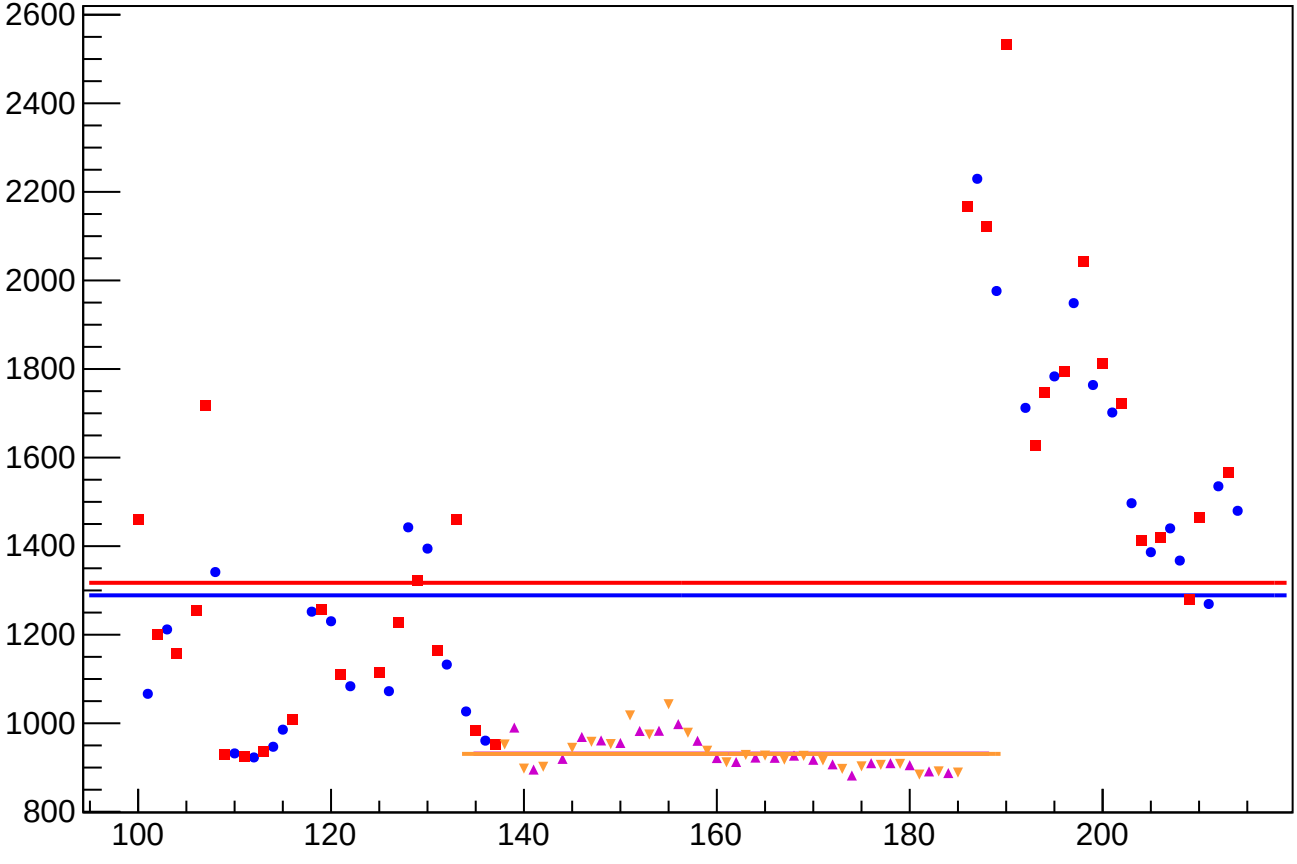
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 395.697+/-177.186 χ^2/NDF: 69.2/53

All: 405.419+/-125.965 χ^2/NDF: 110.8/108

\- sign 415.353+/-179.111 χ^2/NDF: 41.7/54

asym_us_dd_rms vs Slug



Right In: 1288.917+/-0.218 χ^2/NDF: 1744526.8/29

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

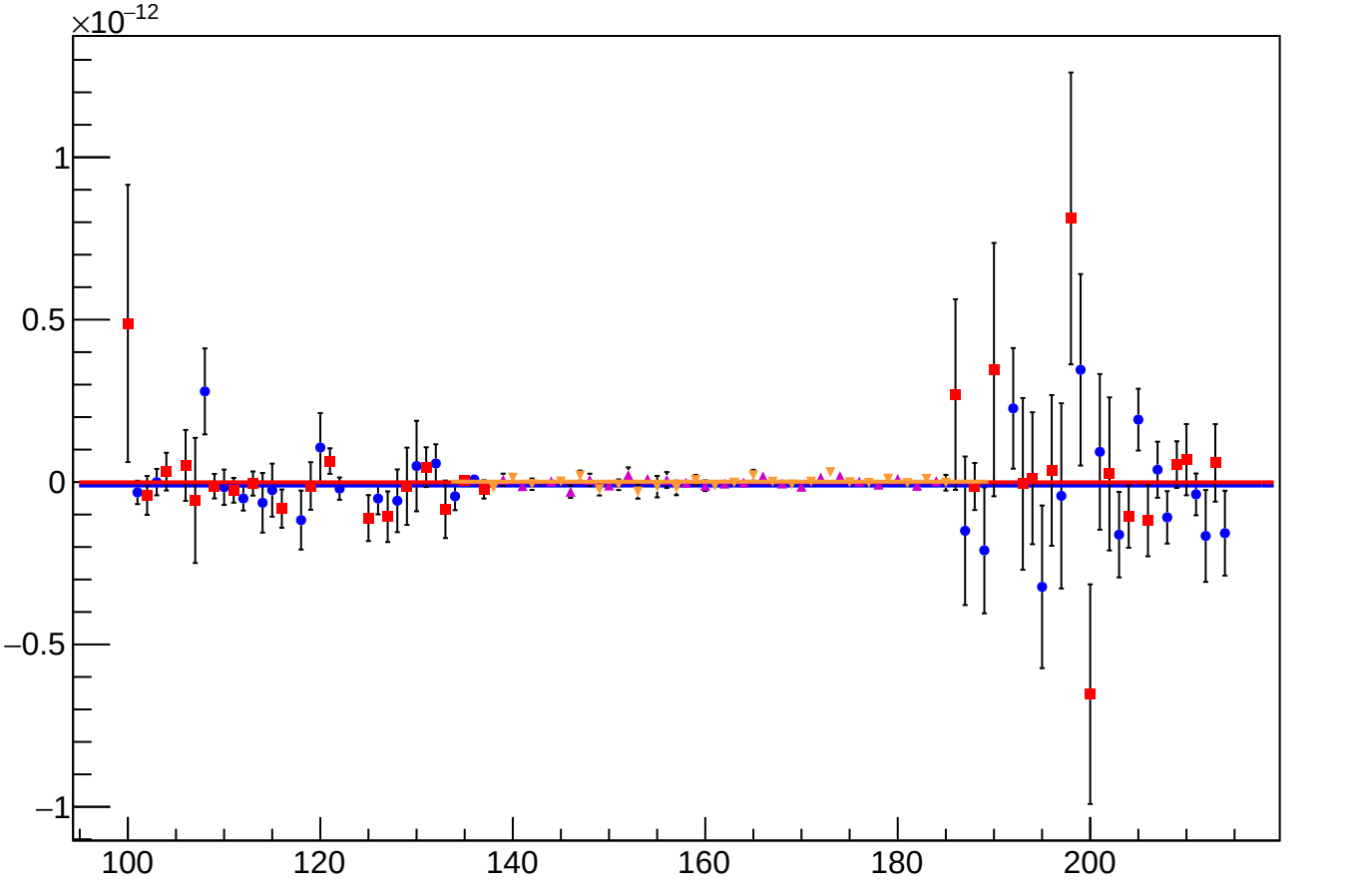
Right Out: 1317.232+/-0.223 χ^2/NDF: 2235597.8/31

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

+ sign 1048.666+/-0.125 χ^2/NDF: 3608555.0/53

All: 1052.359+/-0.089 χ^2/NDF: 7922523.5/10

- sign 1056.133+/-0.127 χ^2/NDF: 4312211.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/29

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

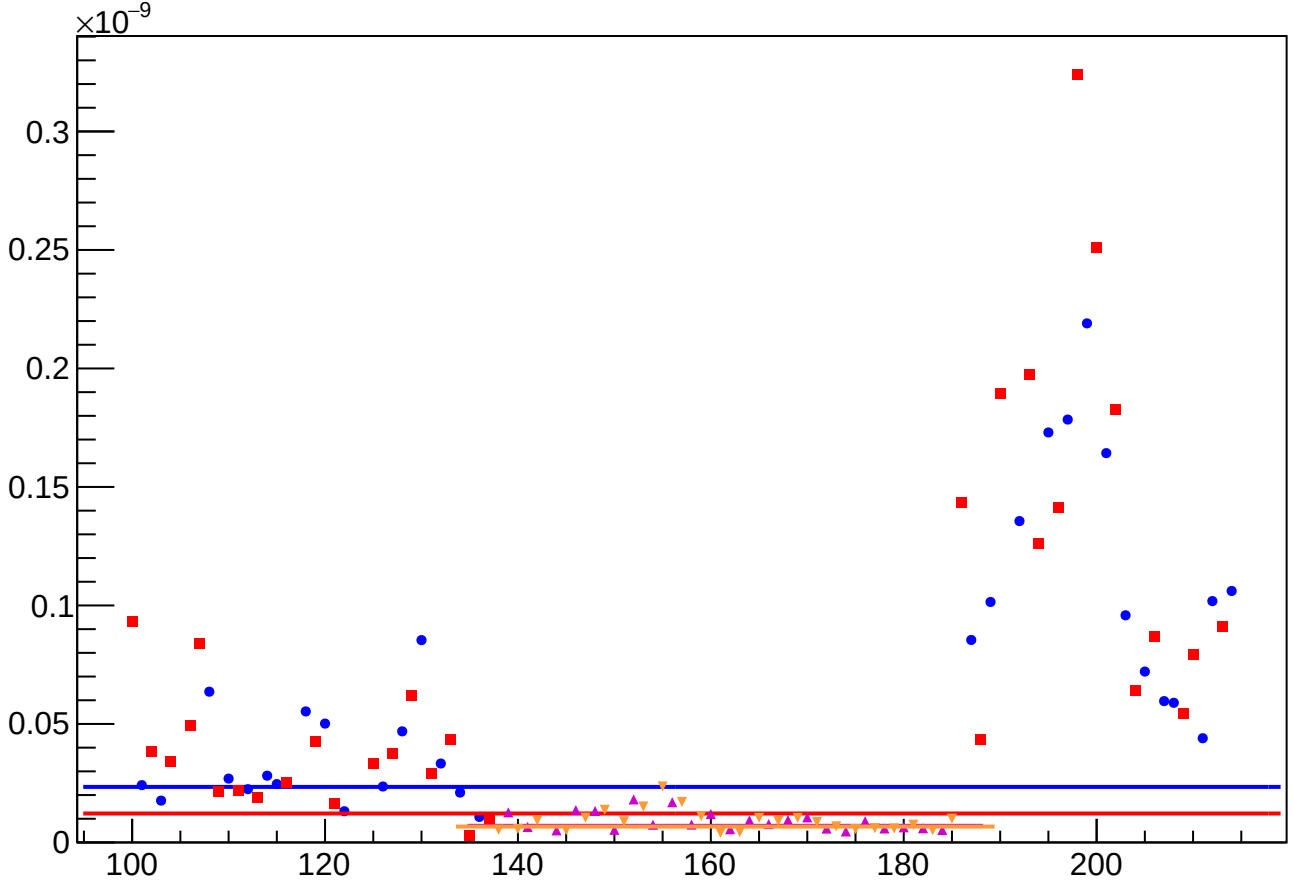
Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 57.6/53

All: 0.000+/-0.000 χ^2/NDF: 106.3/108

- sign 0.000+/-0.000 χ^2/NDF: 48.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 10309100.2/29

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15703551.8/31

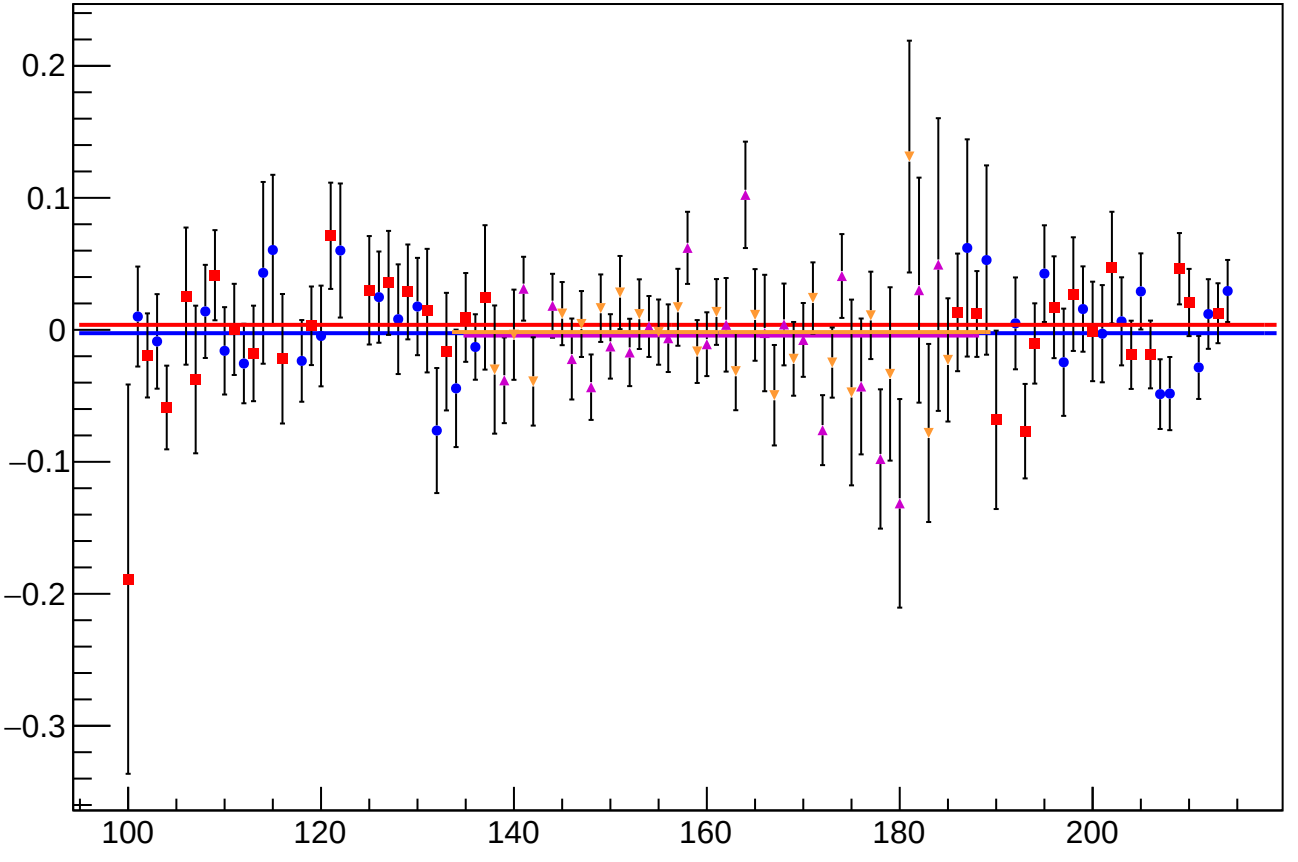
Left In: 0.000+/-0.000 χ^2/NDF:2443418.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18808428.9/53

All: 0.000+/-0.000 χ^2/NDF: 37914806.3/108

- sign 0.000+/-0.000 χ^2/NDF: 19106272.7/54

asym_us_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.006 χ^2/NDF: 23.0/29

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

Right Out: 0.004+/-0.006 χ^2/NDF: 26.1/31

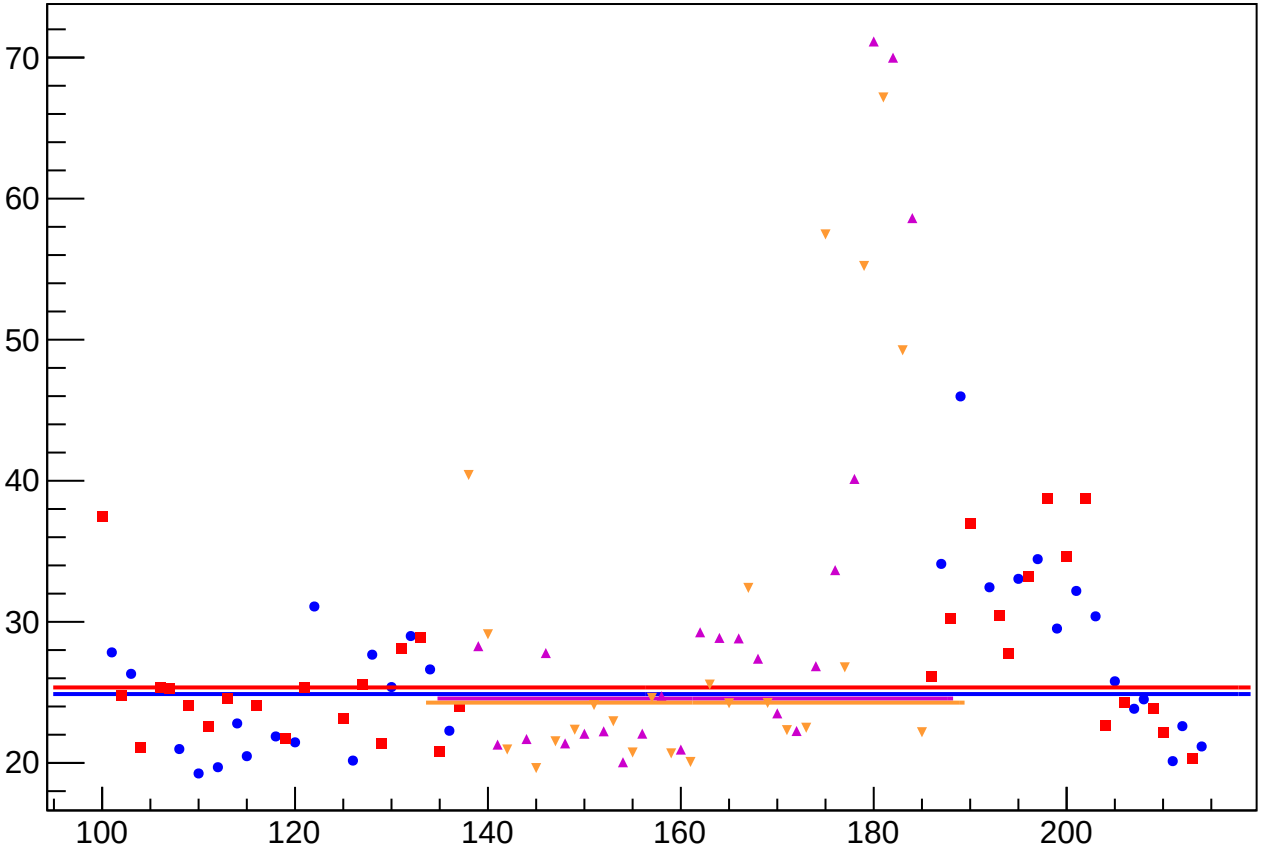
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/53

All: -0.001+/-0.003 χ^2/NDF: 101.2/108

- sign -0.000+/-0.004 χ^2/NDF: 63.5/54

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 24.882+/-0.004 χ^2/NDF: 1149273.5/29

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

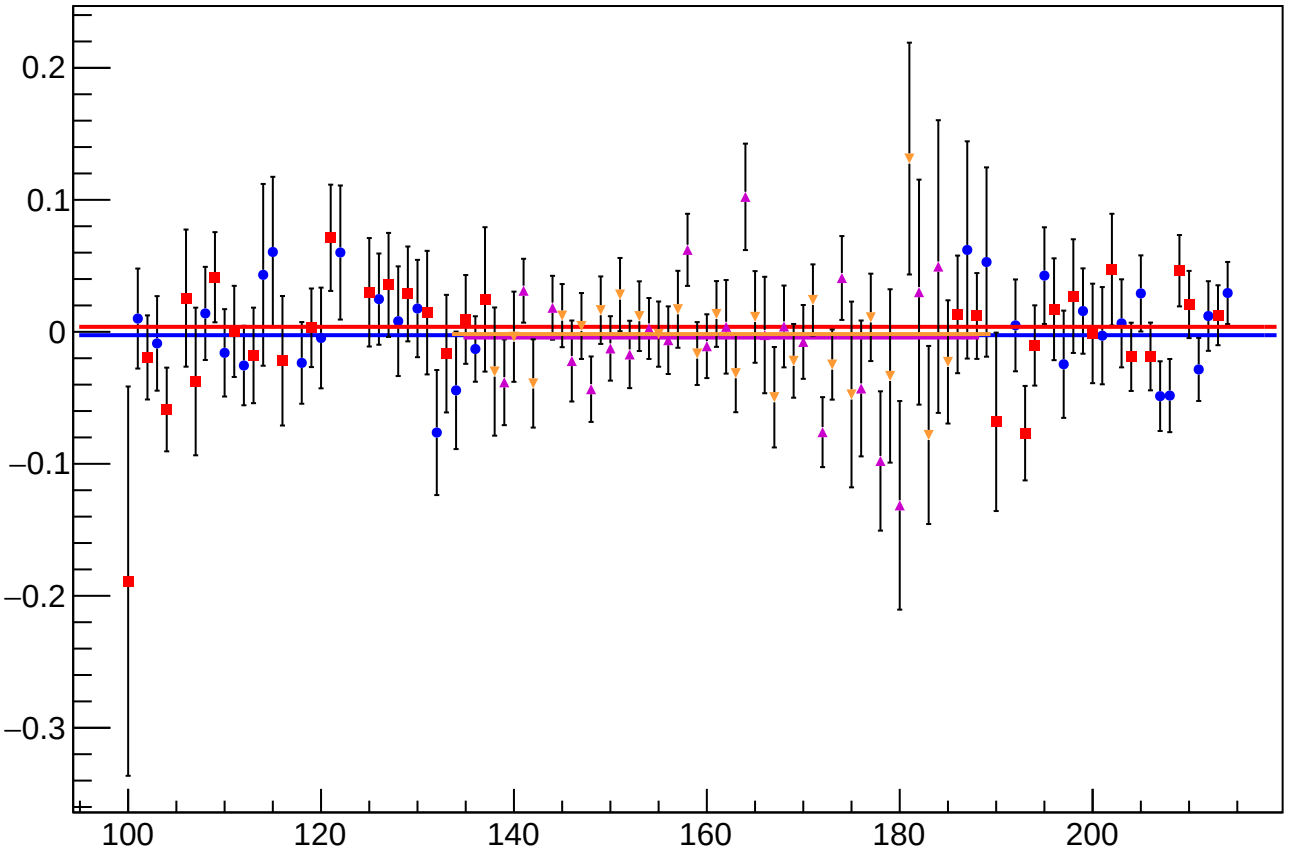
Right Out: 25.351+/-0.004 χ^2/NDF: 1103551.6/31

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

+ sign 24.583+/-0.003 χ^2/NDF: 3469272.1/53

All: 24.773+/-0.002 χ^2/NDF: 6728466.8/108

- sign 24.965+/-0.003 χ^2/NDF: 3251875.6/54



Right In: -0.003+/-0.006 χ^2/NDF: 23.0/29

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

Right Out: 0.004+/-0.006 χ^2/NDF: 26.1/31

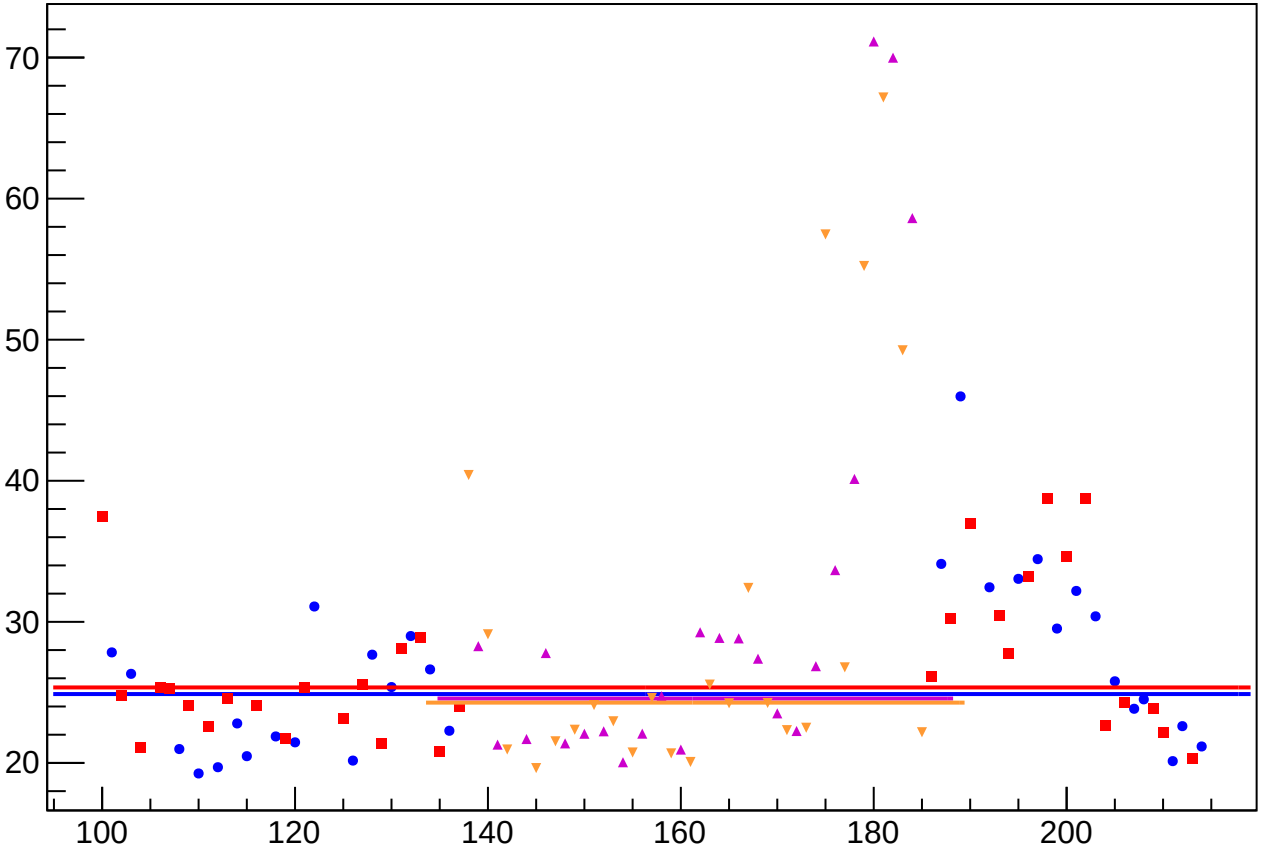
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/53

All: -0.001+/-0.003 χ^2/NDF: 101.2/108

- sign -0.000+/-0.004 χ^2/NDF: 63.5/54

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.882+/-0.004 χ^2/NDF: 1149273.5/29

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

Right Out: 25.351+/-0.004 χ^2/NDF: 1103551.6/31

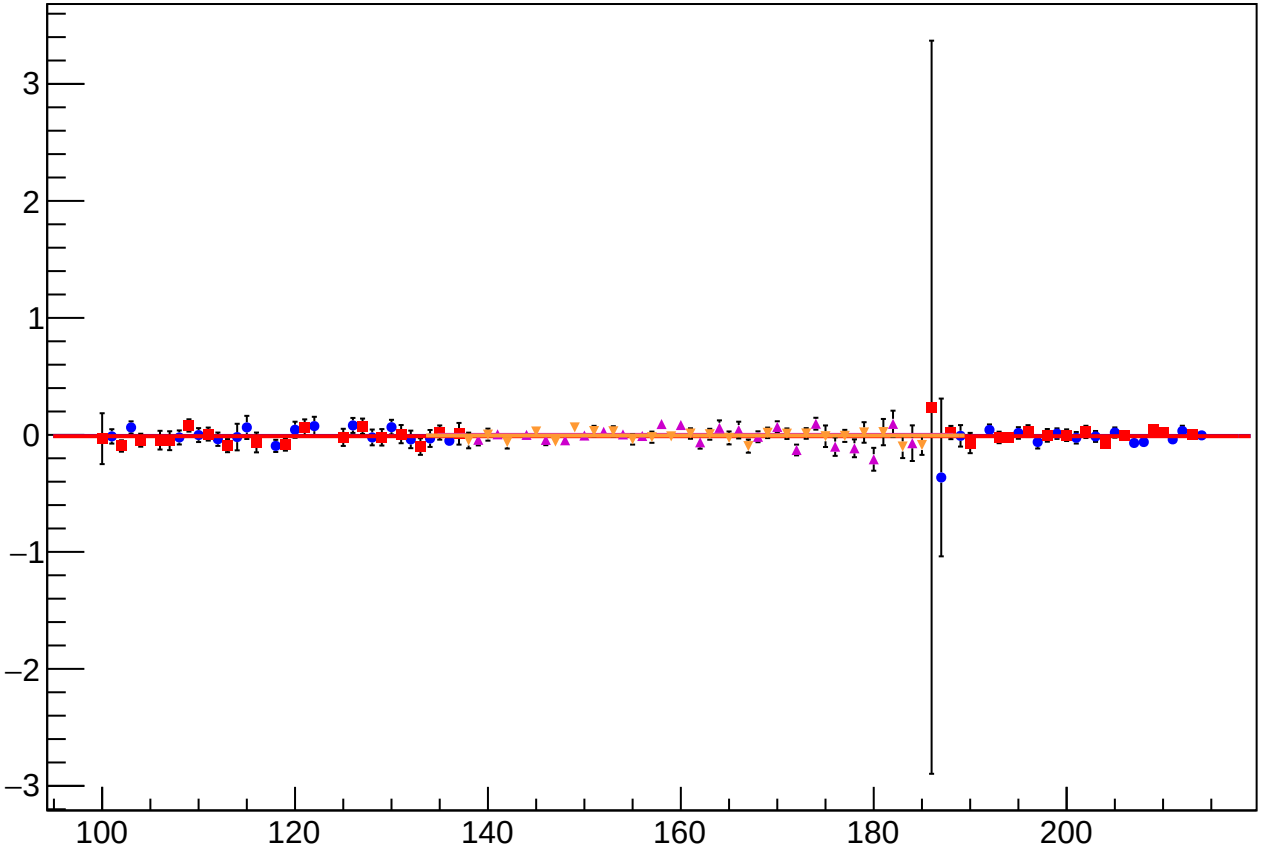
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 24.583+/-0.003 χ^2/NDF: 3469272.1/53

All: 24.773+/-0.002 χ^2/NDF: 6728466.8/108

- sign 24.965+/-0.003 χ^2/NDF: 3251875.6/54

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.009+/-0.010 χ^2/NDF: 20.1/29

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

Right Out: -0.011+/-0.010 χ^2/NDF: 23.0/31

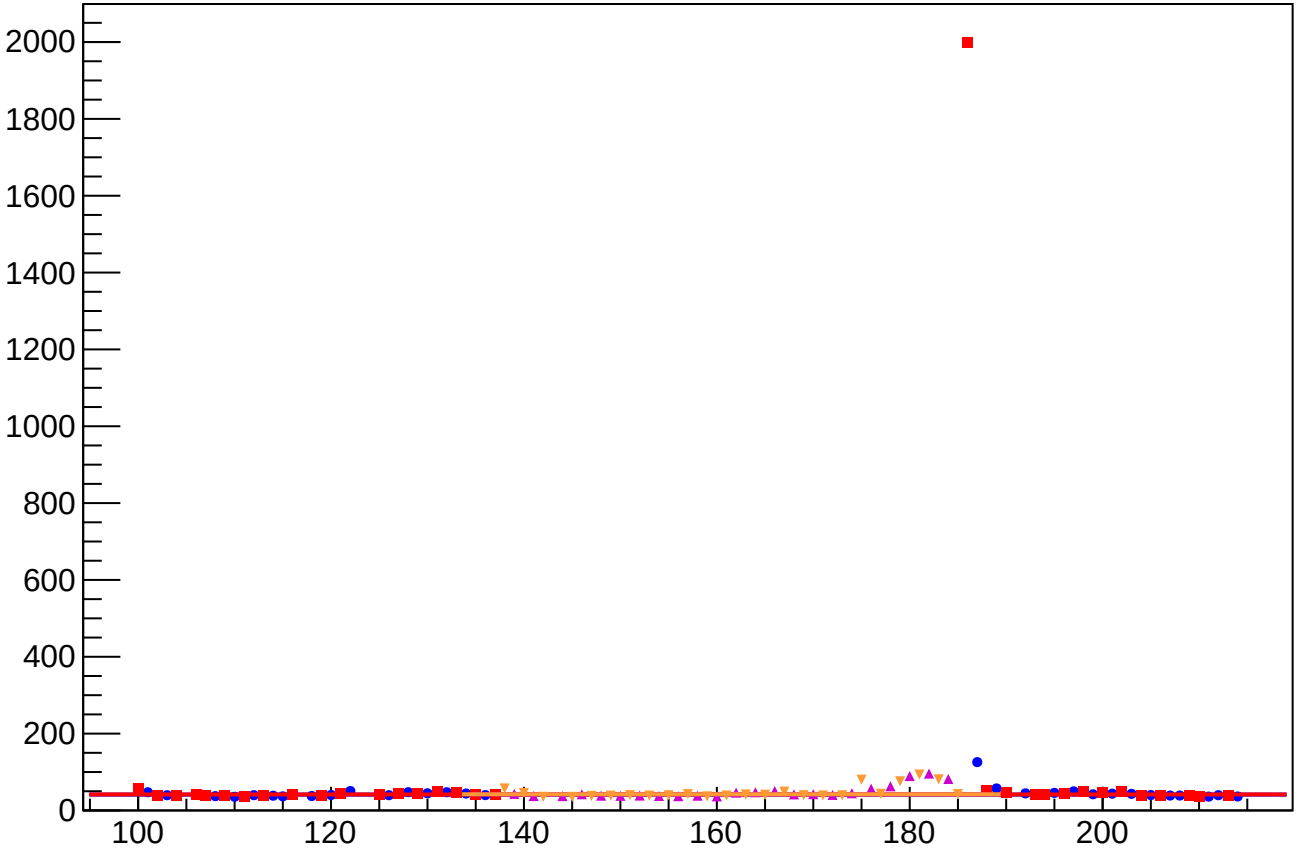
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.007+/-0.007 χ^2/NDF: 34.0/53

All: -0.007+/-0.005 χ^2/NDF: 95.6/108

- sign -0.006+/-0.007 χ^2/NDF: 61.6/54

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 41.261+/-0.007 χ^2/NDF: 389747.2/29

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

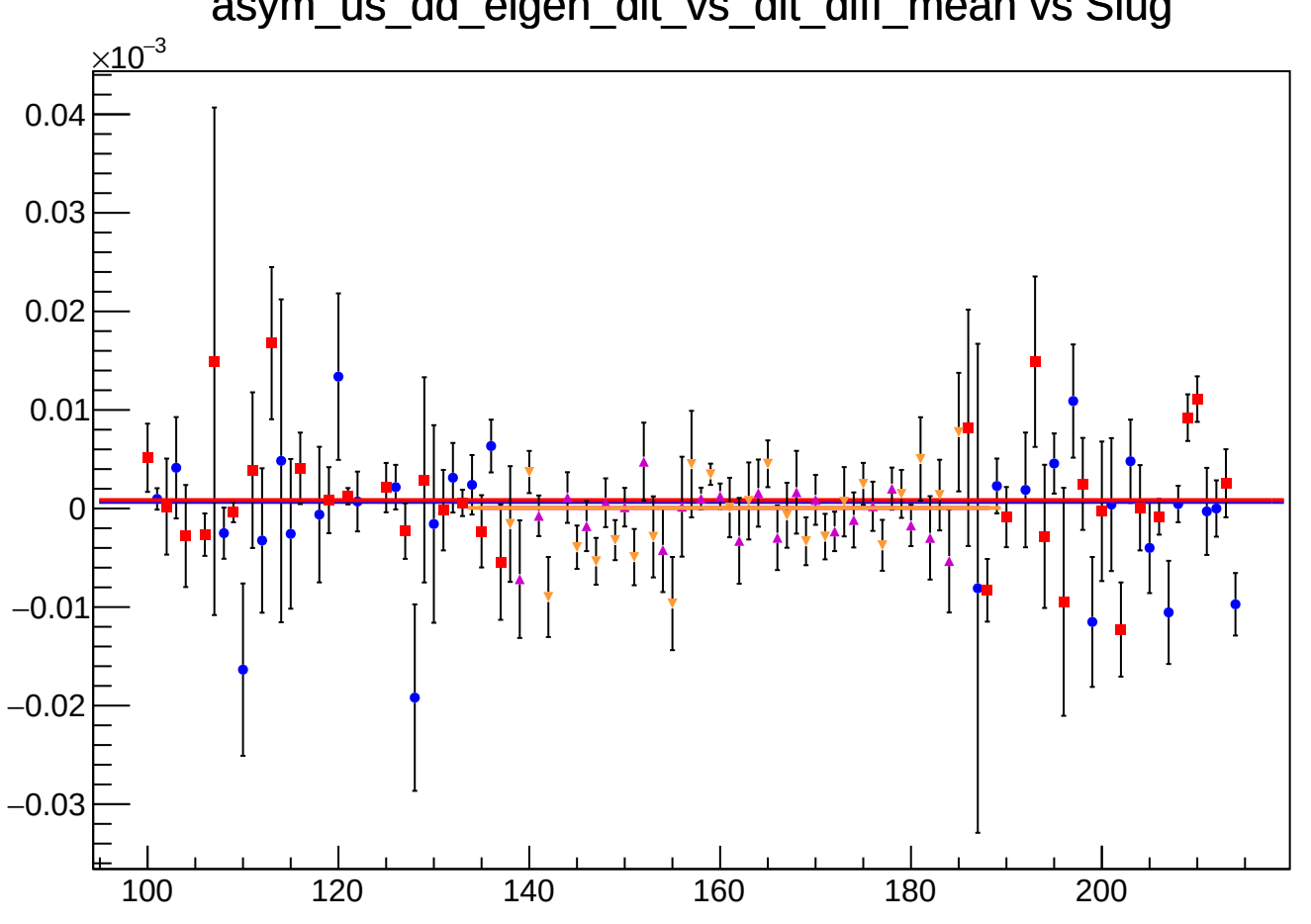
Right Out: 41.647+/-0.007 χ^2/NDF: 1119093.3/31

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

+ sign 41.657+/-0.005 χ^2/NDF: 2112395.3/53

All: 41.755+/-0.004 χ^2/NDF: 4777522.1/108

- sign 41.854+/-0.005 χ^2/NDF: 2664375.6/54



Right In: 0.000+/-0.000 χ^2/NDF: 45.0/29

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

Right Out: 0.000+/-0.000 χ^2/NDF: 69.2/31

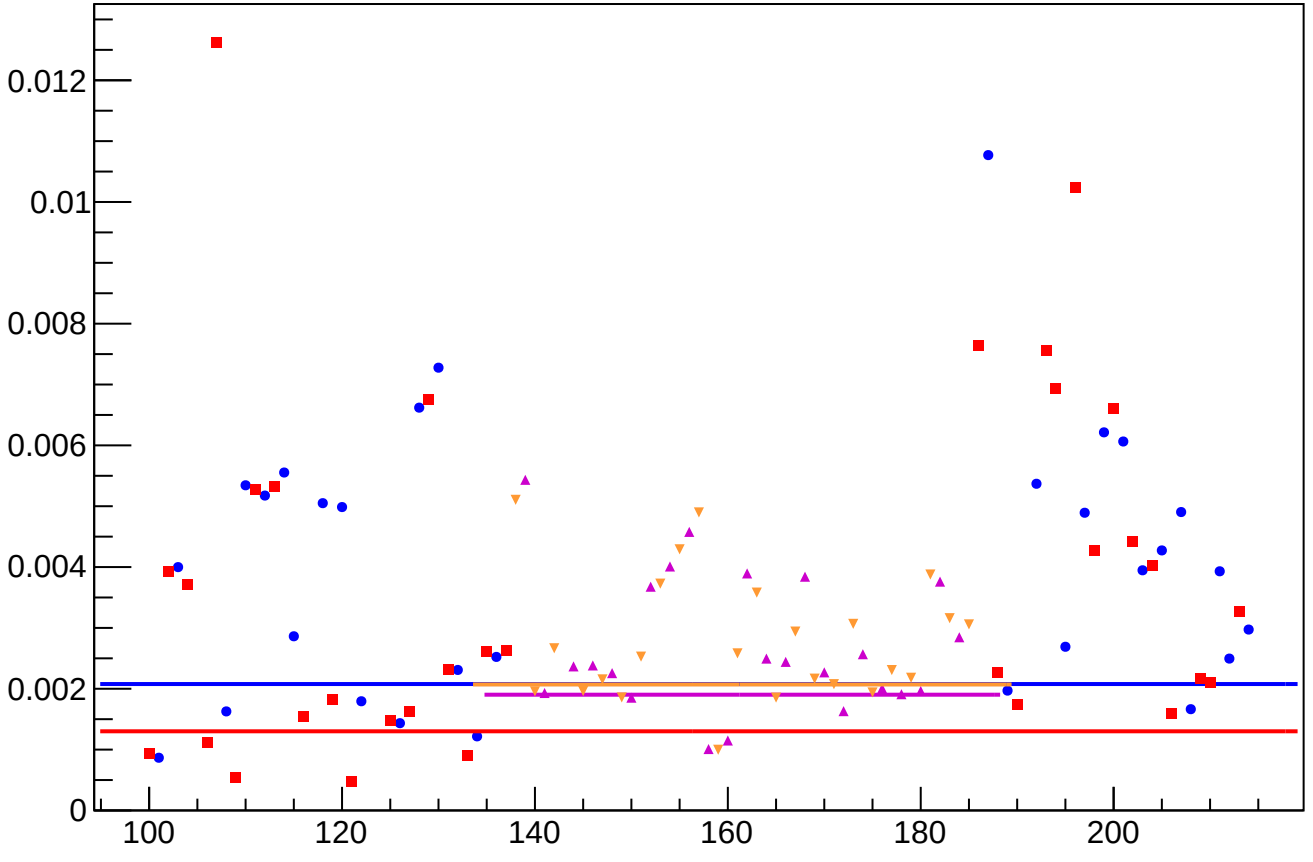
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.3/53

All: 0.000+/-0.000 χ^2/NDF: 181.0/108

- sign 0.000+/-0.000 χ^2/NDF: 83.7/54

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10612834.3/29

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

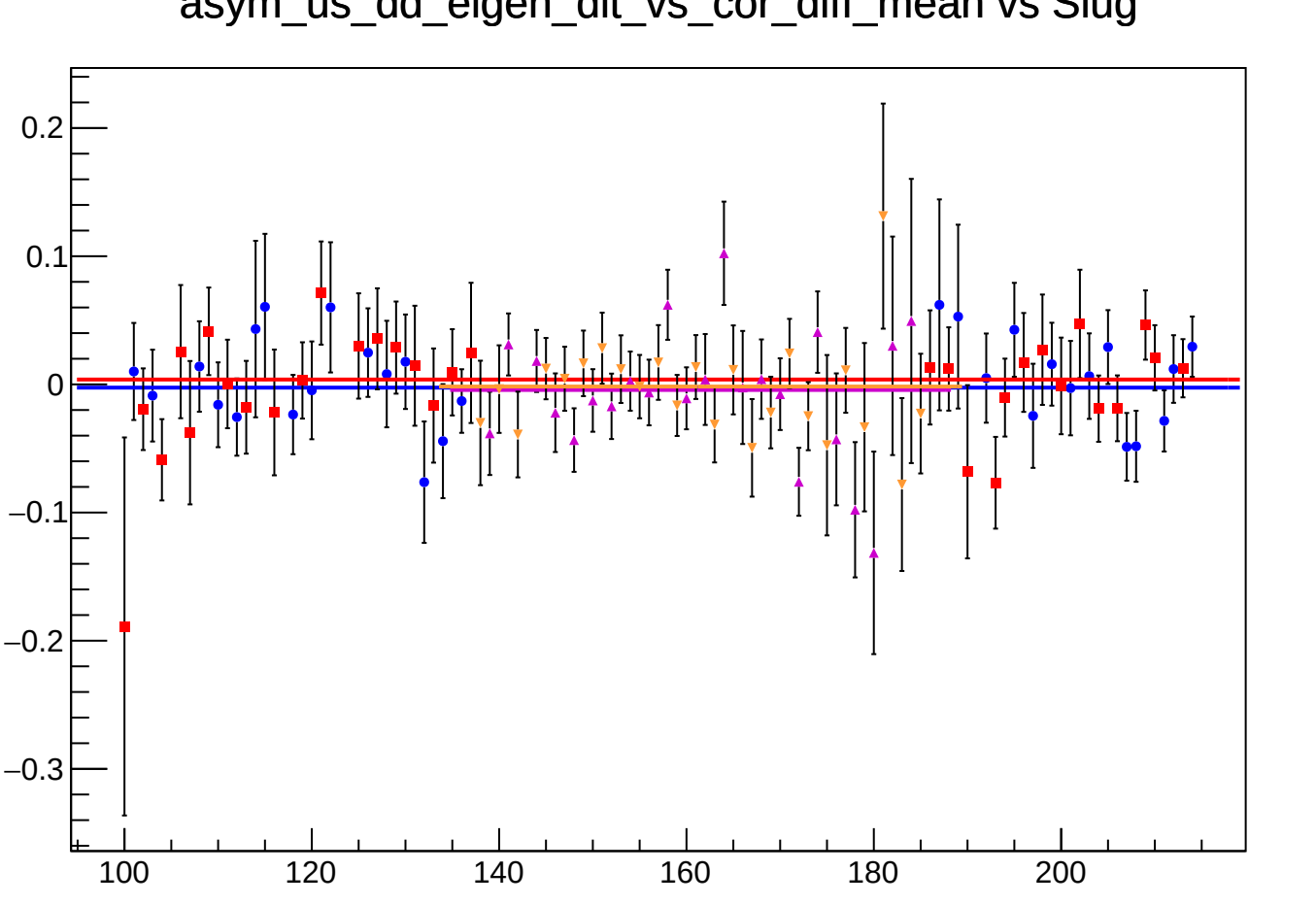
Right Out: 0.001+/-0.000 χ^2/NDF: 15953483.0/31

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

+ sign 0.002+/-0.000 χ^2/NDF: 15876147.1/53

All: 0.002+/-0.000 χ^2/NDF: 41398318.7/108

- sign 0.002+/-0.000 χ^2/NDF: 23551253.2/54



Right In: -0.003+/-0.006 χ^2/NDF: 23.0/29

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

Right Out: 0.004+/-0.006 χ^2/NDF: 26.1/31

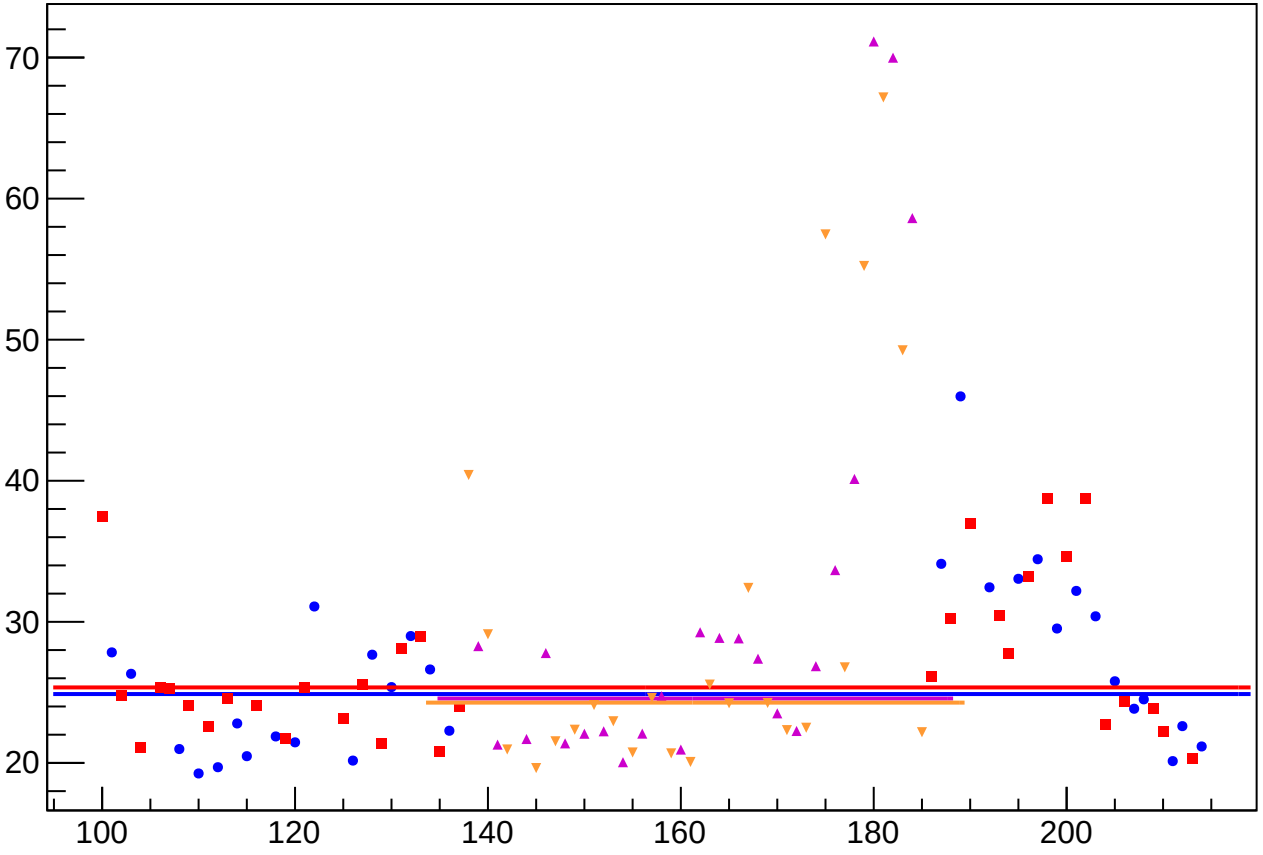
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/53

All: -0.001+/-0.003 χ^2/NDF: 101.2/108

- sign -0.000+/-0.004 χ^2/NDF: 63.5/54

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 24.881+/-0.004 χ^2/NDF: 1149196.1/29

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

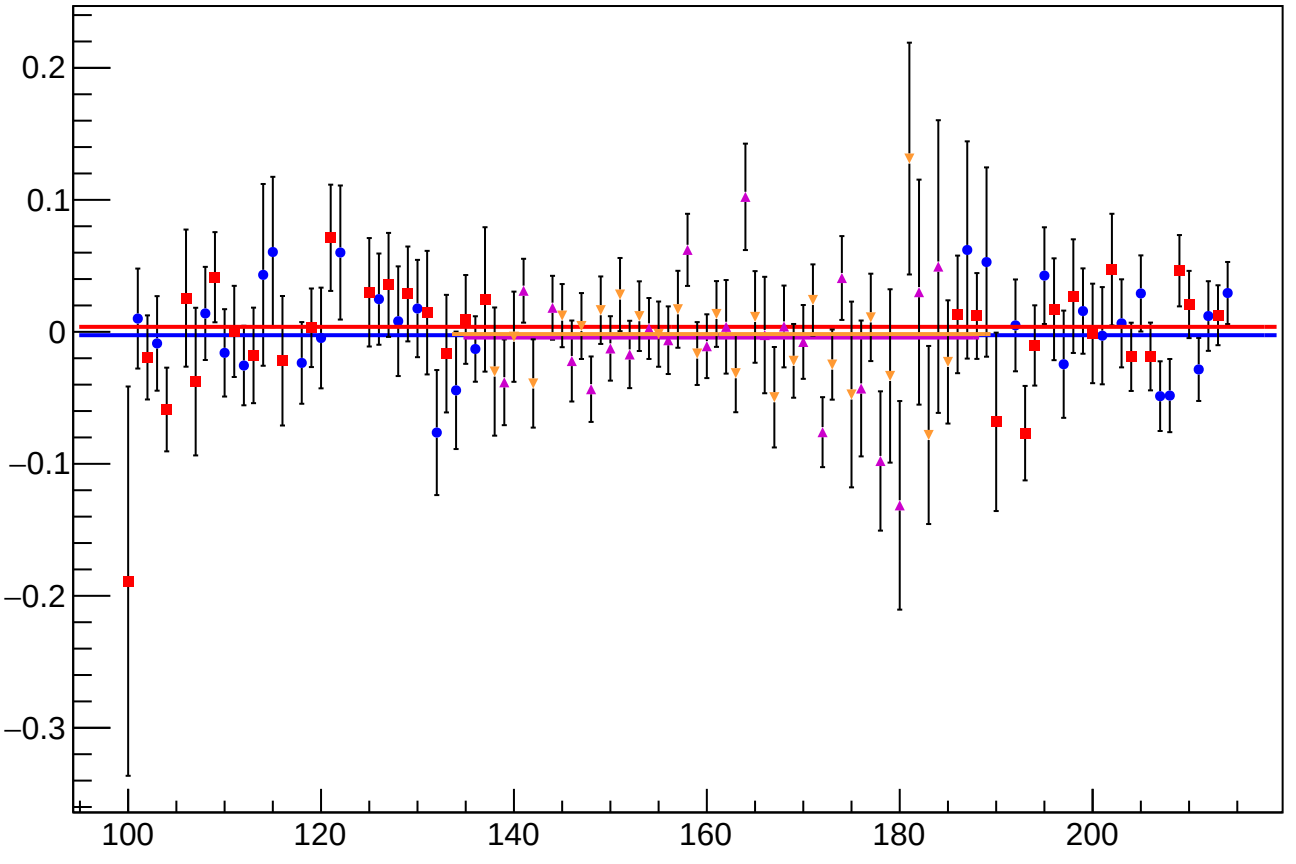
Right Out: 25.351+/-0.004 χ^2/NDF: 1103455.0/31

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

+ sign 24.583+/-0.003 χ^2/NDF: 3469192.6/53

All: 24.773+/-0.002 χ^2/NDF: 6728169.2/108

- sign 24.965+/-0.003 χ^2/NDF: 3251643.4/54



Right In: -0.003+/-0.006 χ^2/NDF: 23.0/29

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

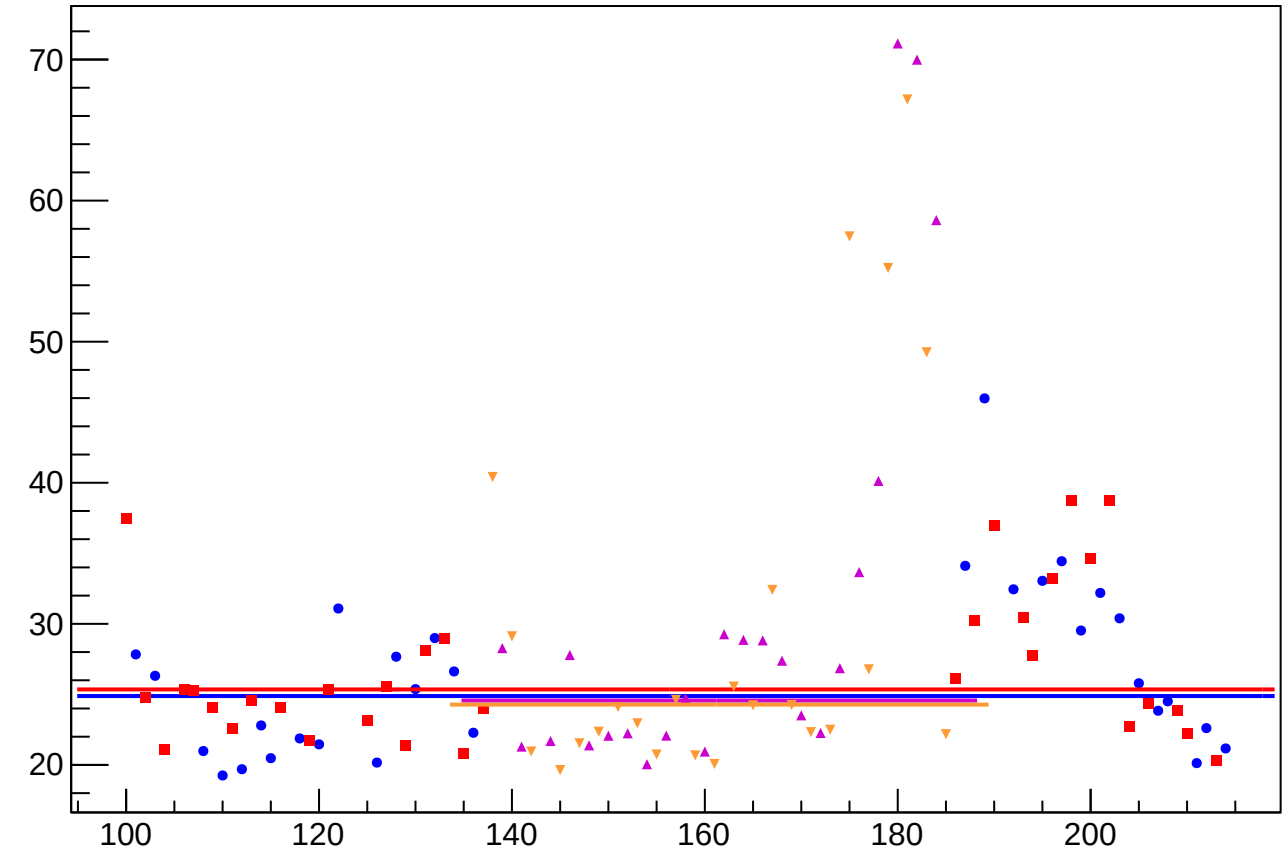
Right Out: 0.004+/-0.006 χ^2/NDF: 26.1/31

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

+ sign -0.002+/-0.004 χ^2/NDF: 37.6/53

All: -0.001+/-0.003 χ^2/NDF: 101.2/108

- sign -0.000+/-0.004 χ^2/NDF: 63.5/54



Right In: 24.881+/-0.004 χ^2/NDF: 1149196.1/29

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

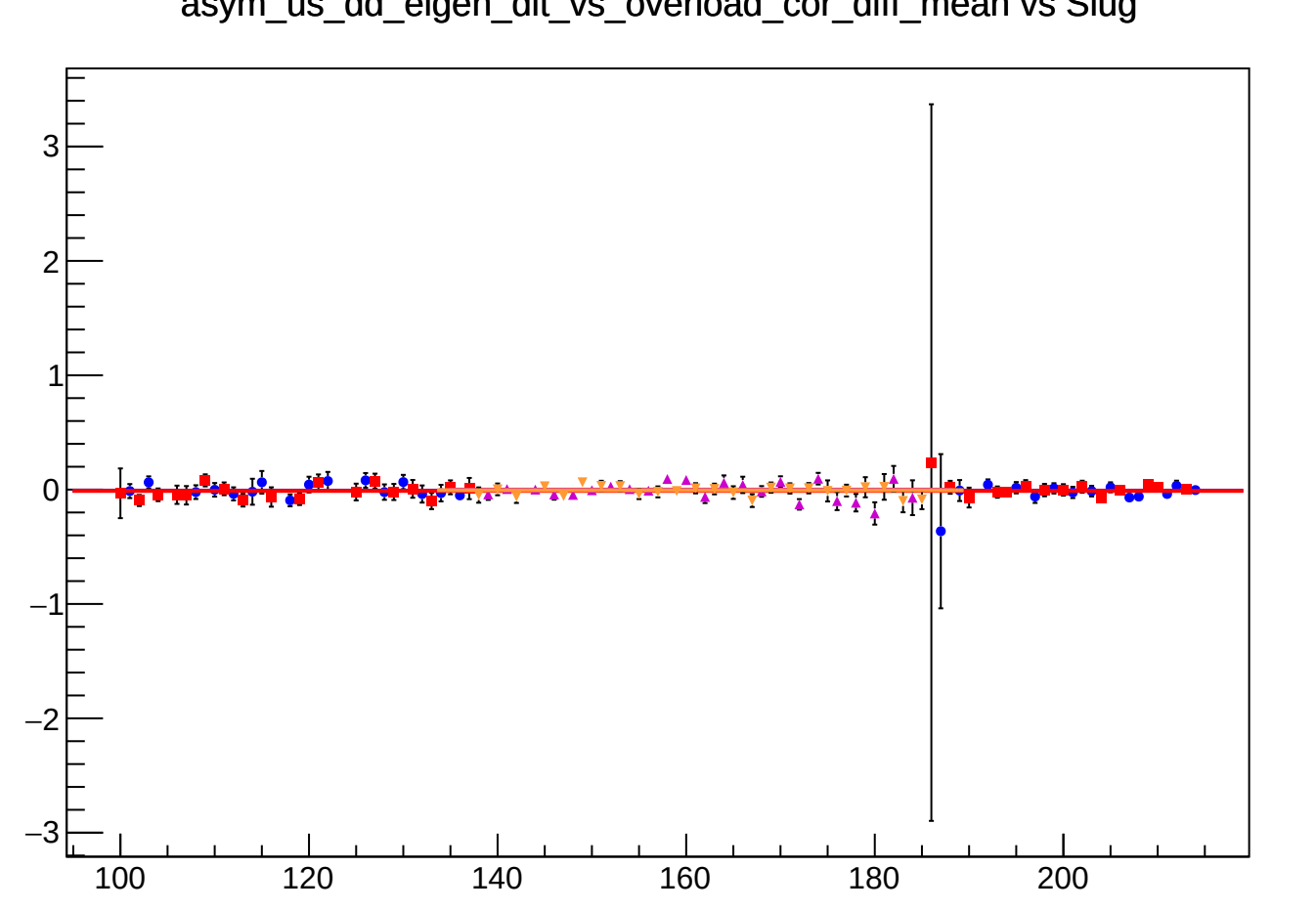
Right Out: 25.351+/-0.004 χ^2/NDF: 1103455.0/31

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

+ sign 24.583+/-0.003 χ^2/NDF: 3469192.6/53

All: 24.773+/-0.002 χ^2/NDF: 6728169.2/108

- sign 24.965+/-0.003 χ^2/NDF: 3251643.4/54



Right In: -0.009+/-0.010 χ^2/NDF: 20.1/29

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

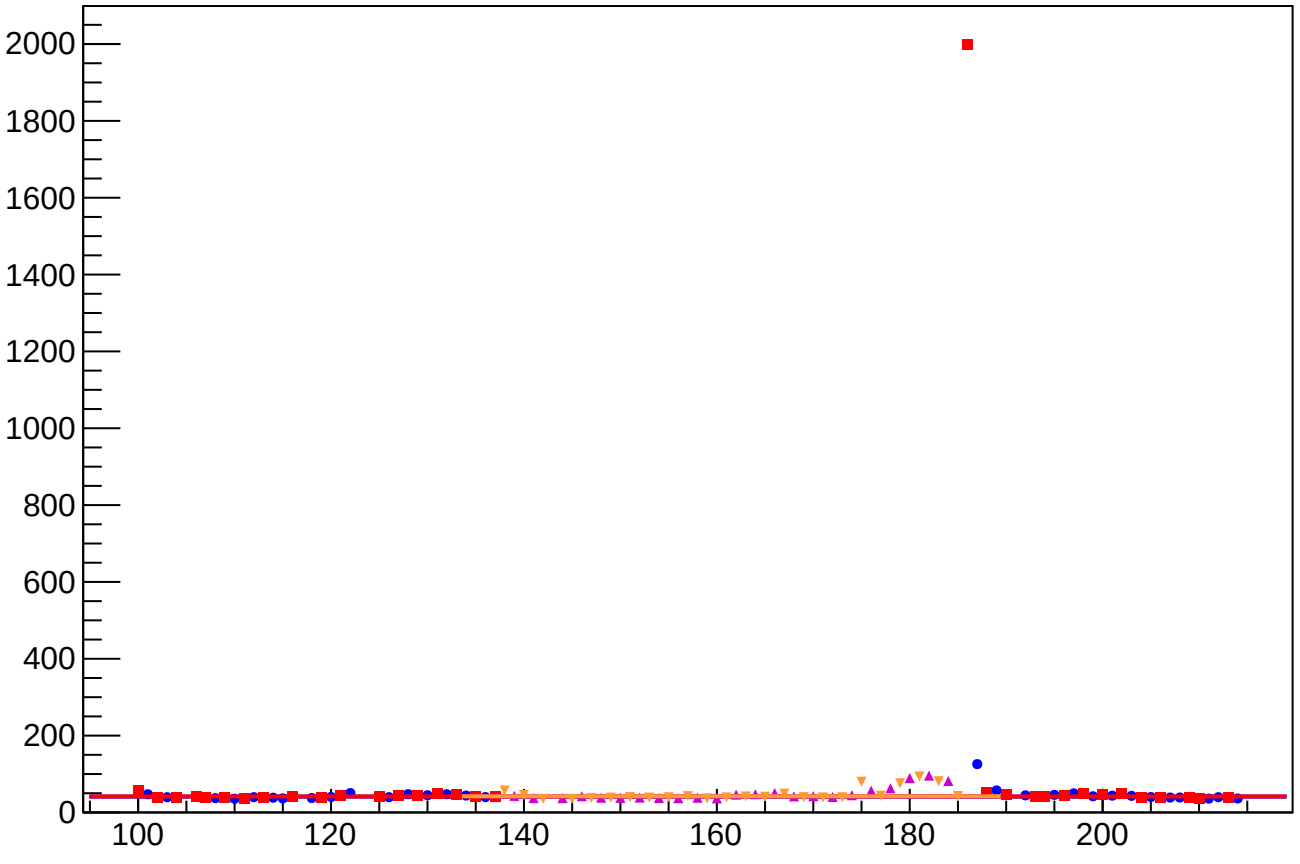
Right Out: -0.011+/-0.010 χ^2/NDF: 23.0/31

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

+ sign -0.007+/-0.007 χ^2/NDF: 34.0/53

All: -0.007+/-0.005 χ^2/NDF: 95.6/108

- sign -0.006+/-0.007 χ^2/NDF: 61.6/54



Right In: 41.261+/-0.007 χ^2/NDF: 389687.4/29

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

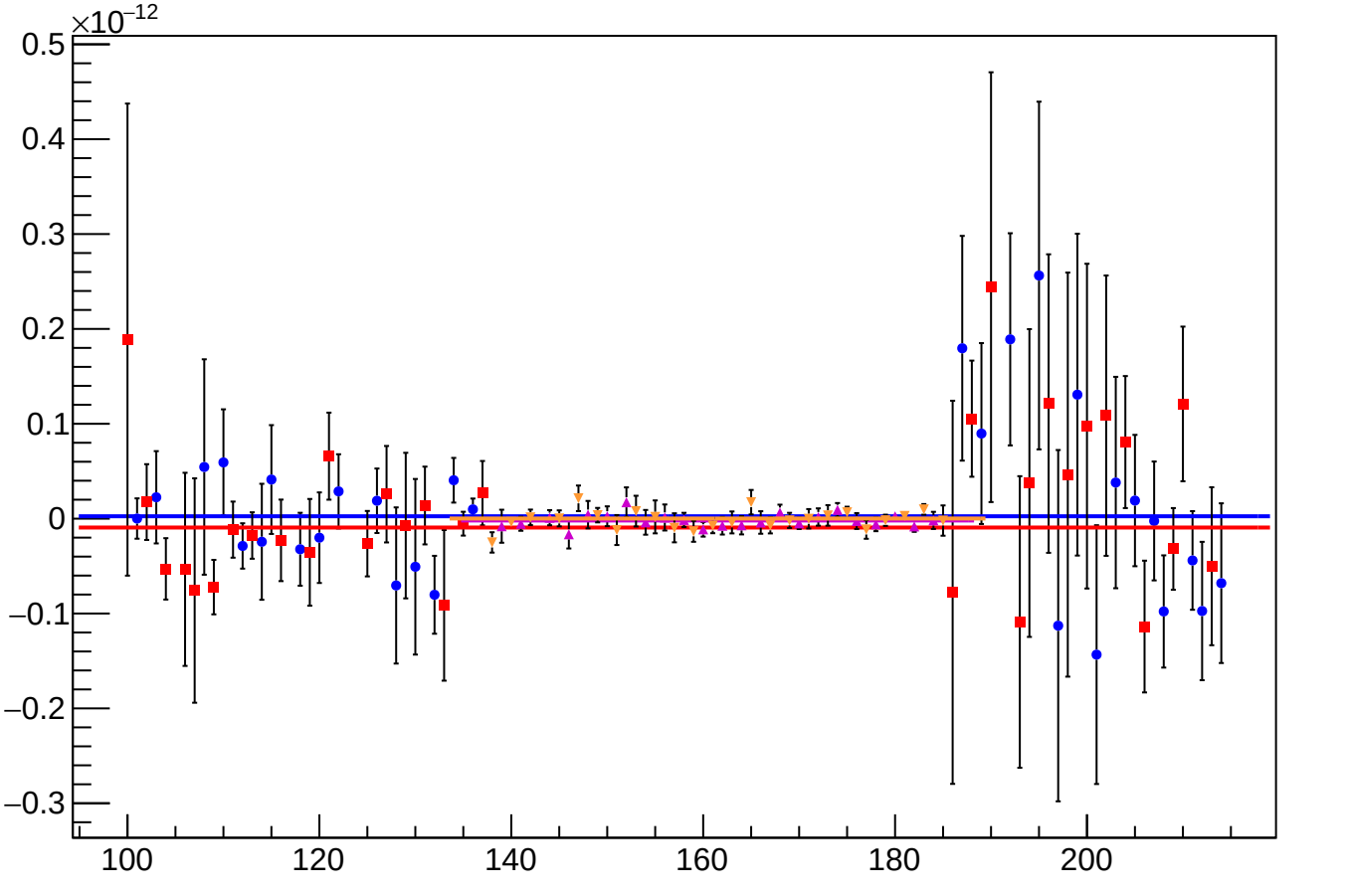
Right Out: 41.647+/-0.007 χ^2/NDF: 1119081.6/31

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

+ sign 41.657+/-0.005 χ^2/NDF: 2112326.6/53

All: 41.755+/-0.004 χ^2/NDF: 4777418.3/108

- sign 41.855+/-0.005 χ^2/NDF: 2664340.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/29

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

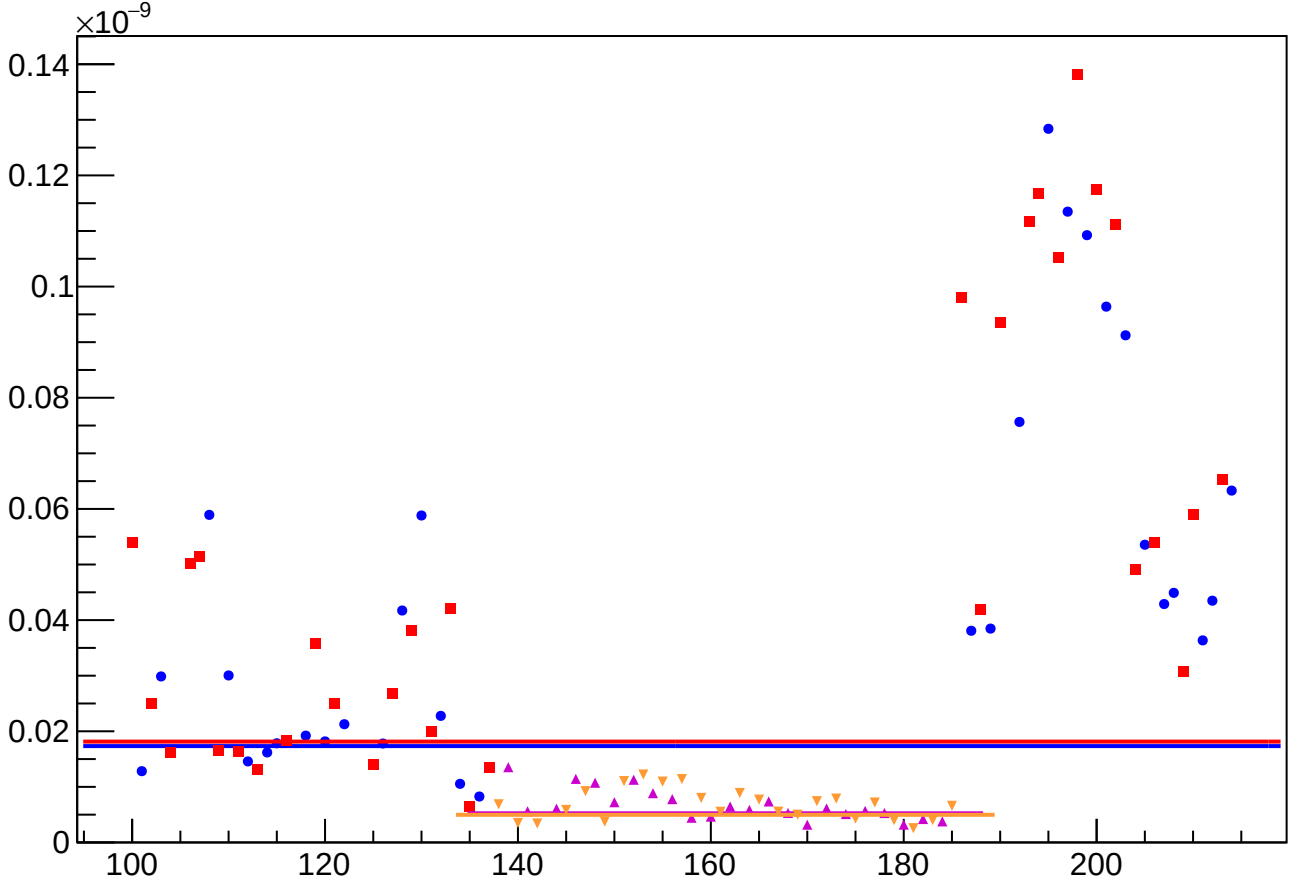
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/31

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

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/53

All: -0.000+/-0.000 χ^2/NDF: 94.1/108

- sign -0.000+/-0.000 χ^2/NDF: 41.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 9250156.0/29

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

Right Out: 0.000+/-0.000 χ^2/NDF: 10250875.3/31

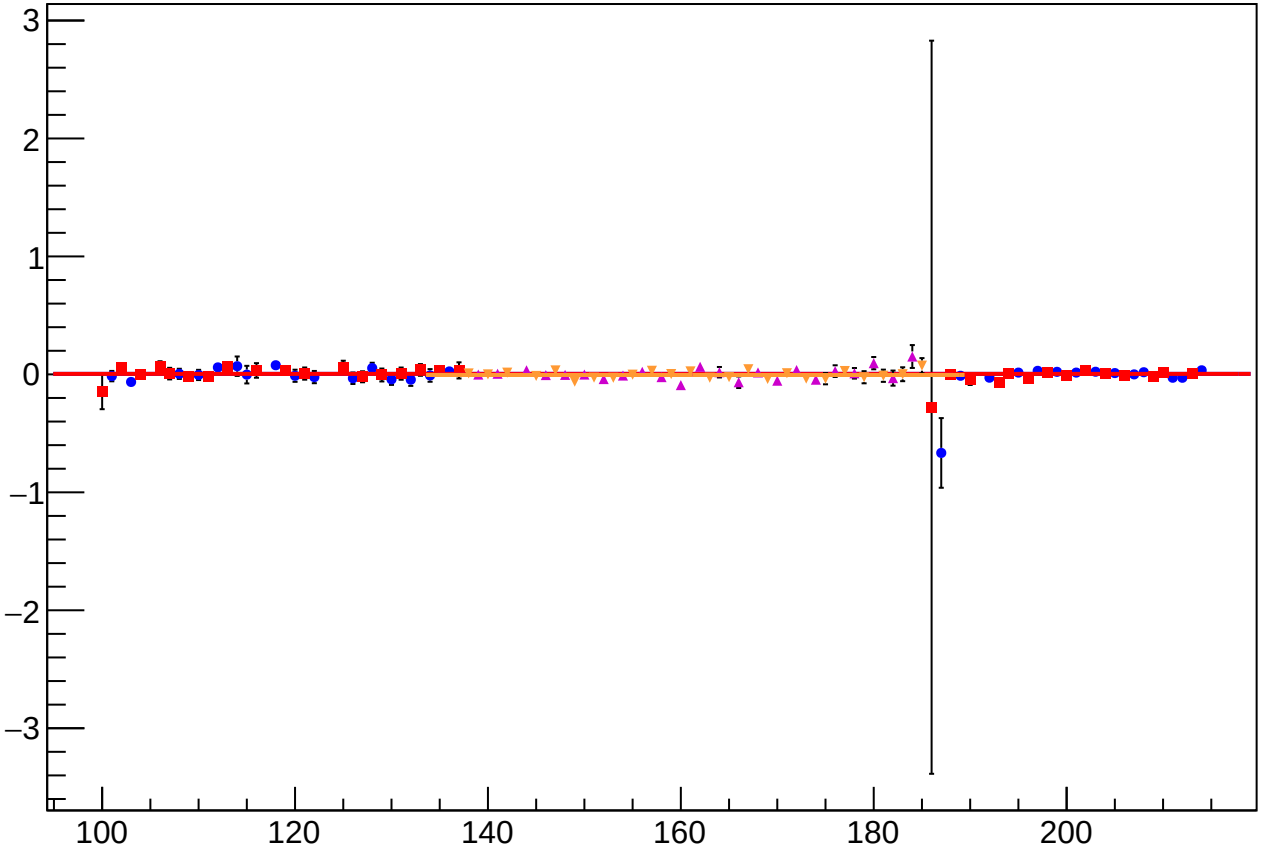
Left In: 0.000+/-0.000 χ^2/NDF:2618852.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18661774.2/53

All: 0.000+/-0.000 χ^2/NDF: 37316234.4/108

- sign 0.000+/-0.000 χ^2/NDF: 18624275.9/54

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.007 χ^2/NDF: 27.9/29

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

Right Out: 0.004+/-0.006 χ^2/NDF: 23.5/31

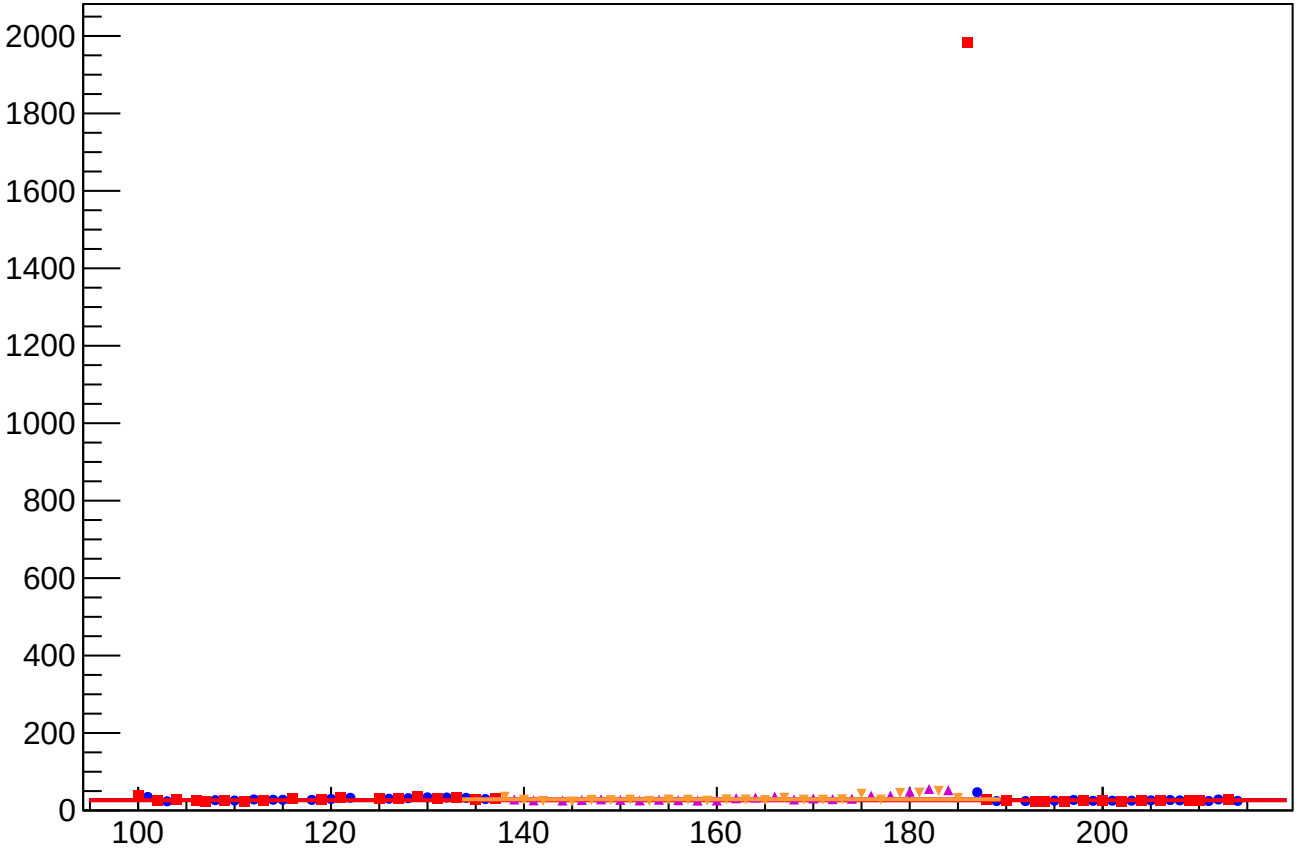
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 45.7/53

All: 0.000+/-0.003 χ^2/NDF: 101.2/108

- sign 0.001+/-0.005 χ^2/NDF: 55.5/54

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.770+/-0.005 χ^2/NDF: 362780.0/29

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

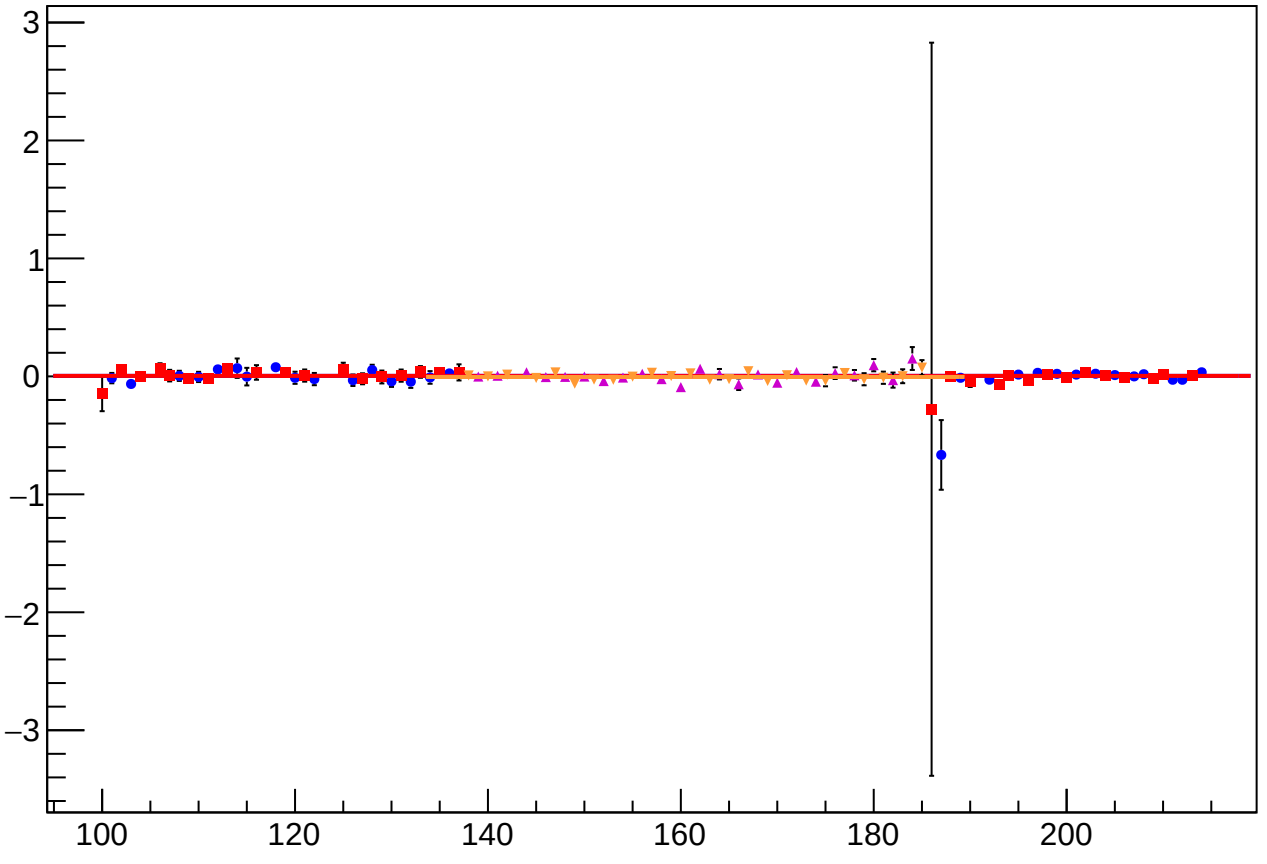
Right Out: 26.397+/-0.005 χ^2/NDF: 1116245.9/31

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

+ sign 27.700+/-0.003 χ^2/NDF: 1620658.0/53

All: 27.689+/-0.002 χ^2/NDF: 4052170.5/108

- sign 27.678+/-0.003 χ^2/NDF: 2431491.2/54



Right In: 0.004+/-0.007 χ^2/NDF: 27.9/29

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

Right Out: 0.004+/-0.006 χ^2/NDF: 23.5/31

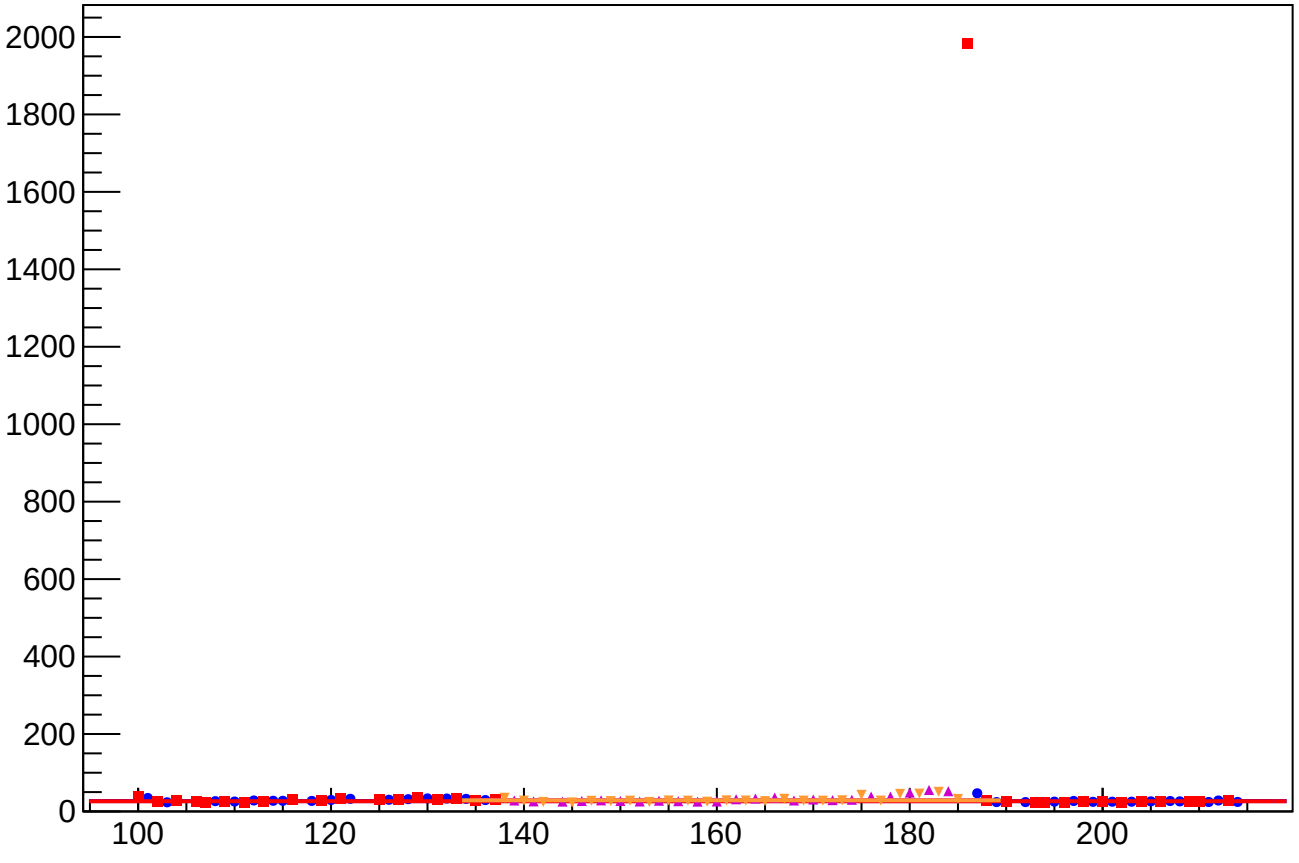
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 45.7/53

All: 0.000+/-0.003 χ^2/NDF: 101.2/108

- sign 0.001+/-0.005 χ^2/NDF: 55.5/54

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.770+/-0.005 χ^2/NDF: 362780.0/29

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

Right Out: 26.397+/-0.005 χ^2/NDF: 1116245.9/31

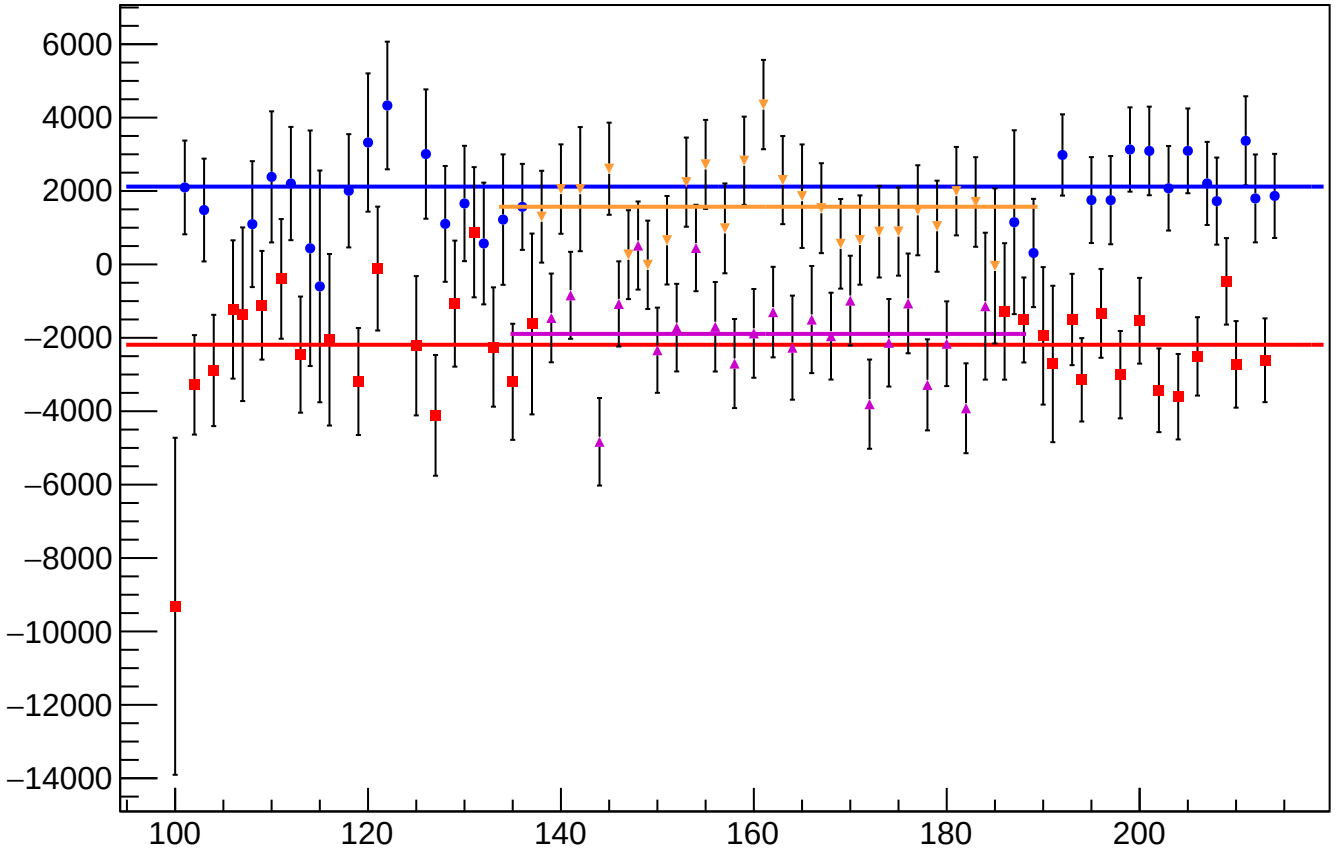
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.700+/-0.003 χ^2/NDF: 1620658.0/53

All: 27.689+/-0.002 χ^2/NDF: 4052170.5/108

- sign 27.678+/-0.003 χ^2/NDF: 2431491.2/54

reg_asym_usl_mean vs Slug



Right In: 2119.803+/-254.855 χ^2/NDF: 11.6/29

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

Right Out: -2189.323+/-252.835 χ^2/NDF: 20.8/32

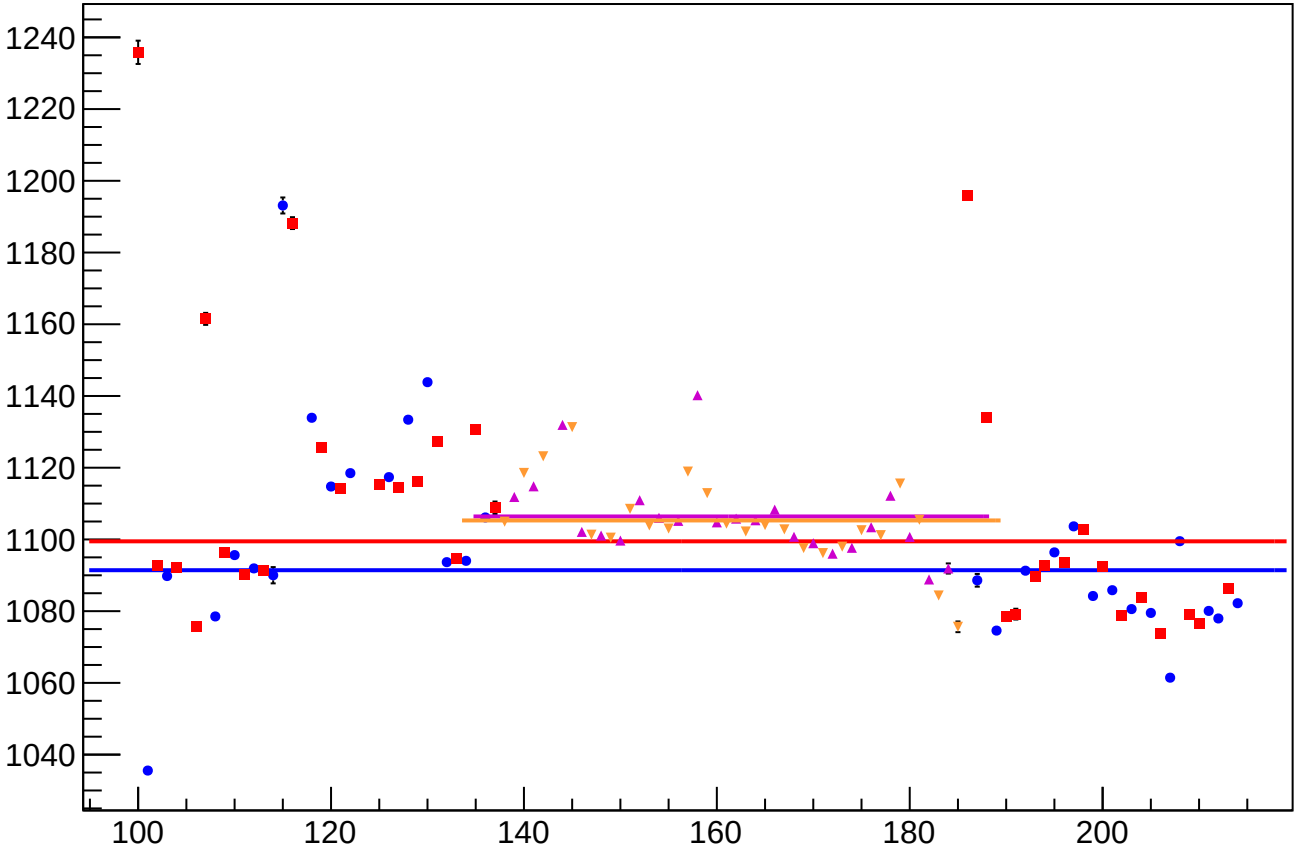
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.233+/-180.801 χ^2/NDF: 29.3/53

All: -99.777+/-127.809 χ^2/NDF: 306.7/109

- sign -2044.521+/-180.696 χ^2/NDF: 45.6/55

reg_asym_usl_rms vs Slug



Right In: 1091.420+/-0.180 χ^2/NDF: 15804.3/29

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

Right Out: 1099.472+/-0.179 χ^2/NDF: 20903.6/32

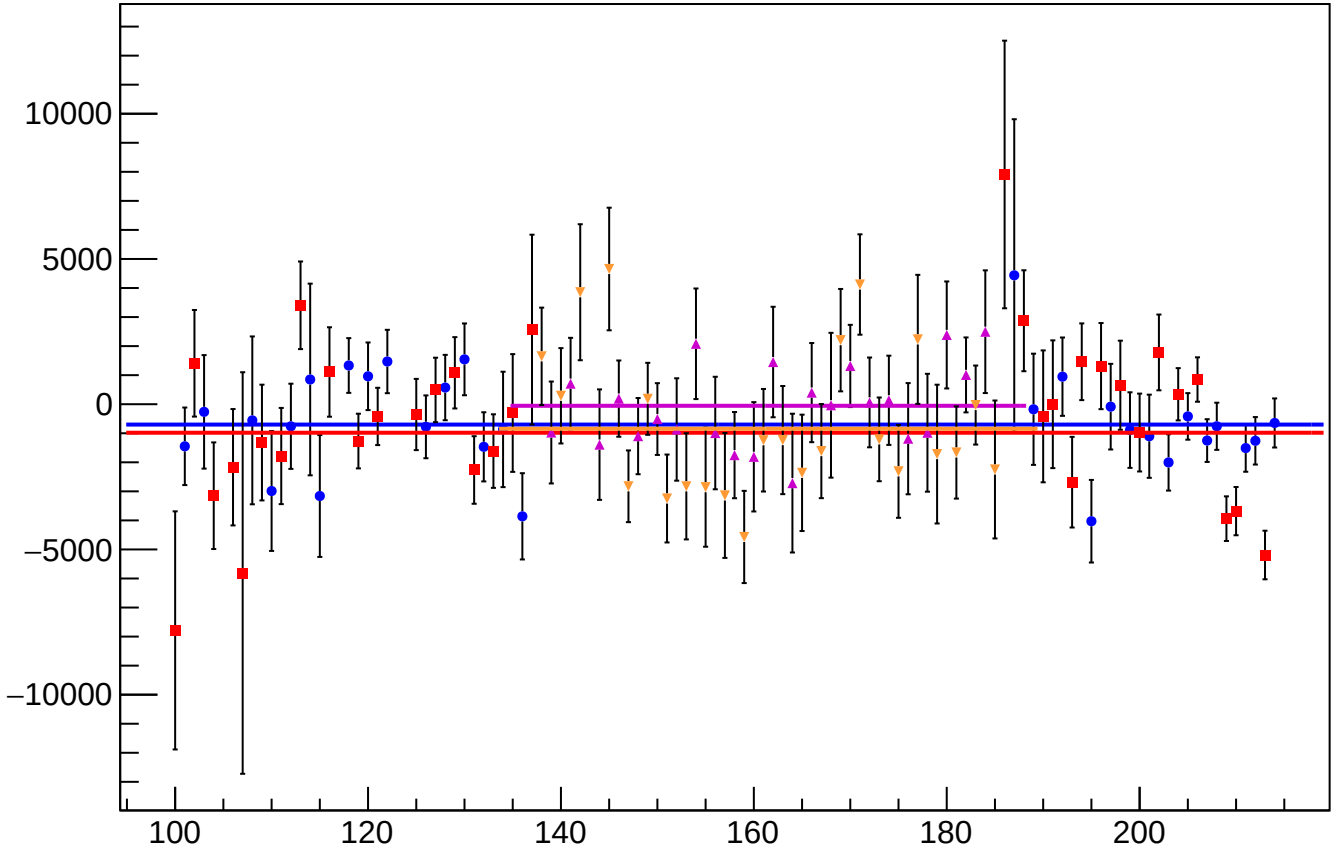
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1098.311+/-0.128 χ^2/NDF: 21910.2/53

All: 1100.589+/-0.090 χ^2/NDF: 47960.3/109

- sign 1102.864+/-0.128 χ^2/NDF: 25415.7/55

asym_usl_reg_correction_mean vs Slug



Right In: -701.103+/-214.890 χ^2/NDF: 35.6/29

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

Right Out: -982.138+/-225.255 χ^2/NDF: 105.4/32

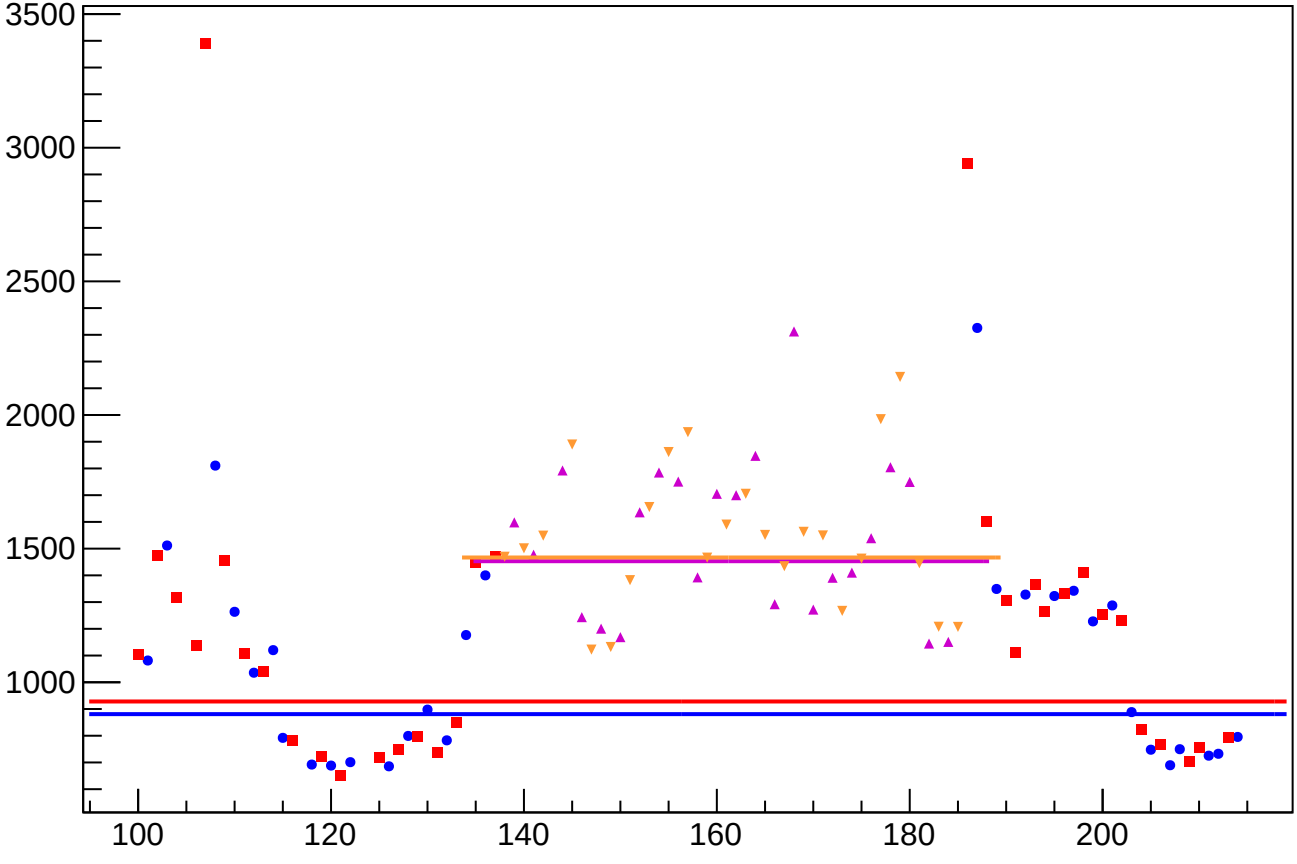
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -740.836+/-182.745 χ^2/NDF: 79.9/53

All: -723.943+/-131.298 χ^2/NDF: 203.4/109

- sign -705.919+/-188.769 χ^2/NDF: 123.5/55

asym_usl_reg_correction_rms vs Slug



Right In: 880.812+/-0.152 χ^2/NDF: 2712568.4/29

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

Right Out: 928.130+/-0.159 χ^2/NDF: 3408428.3/32

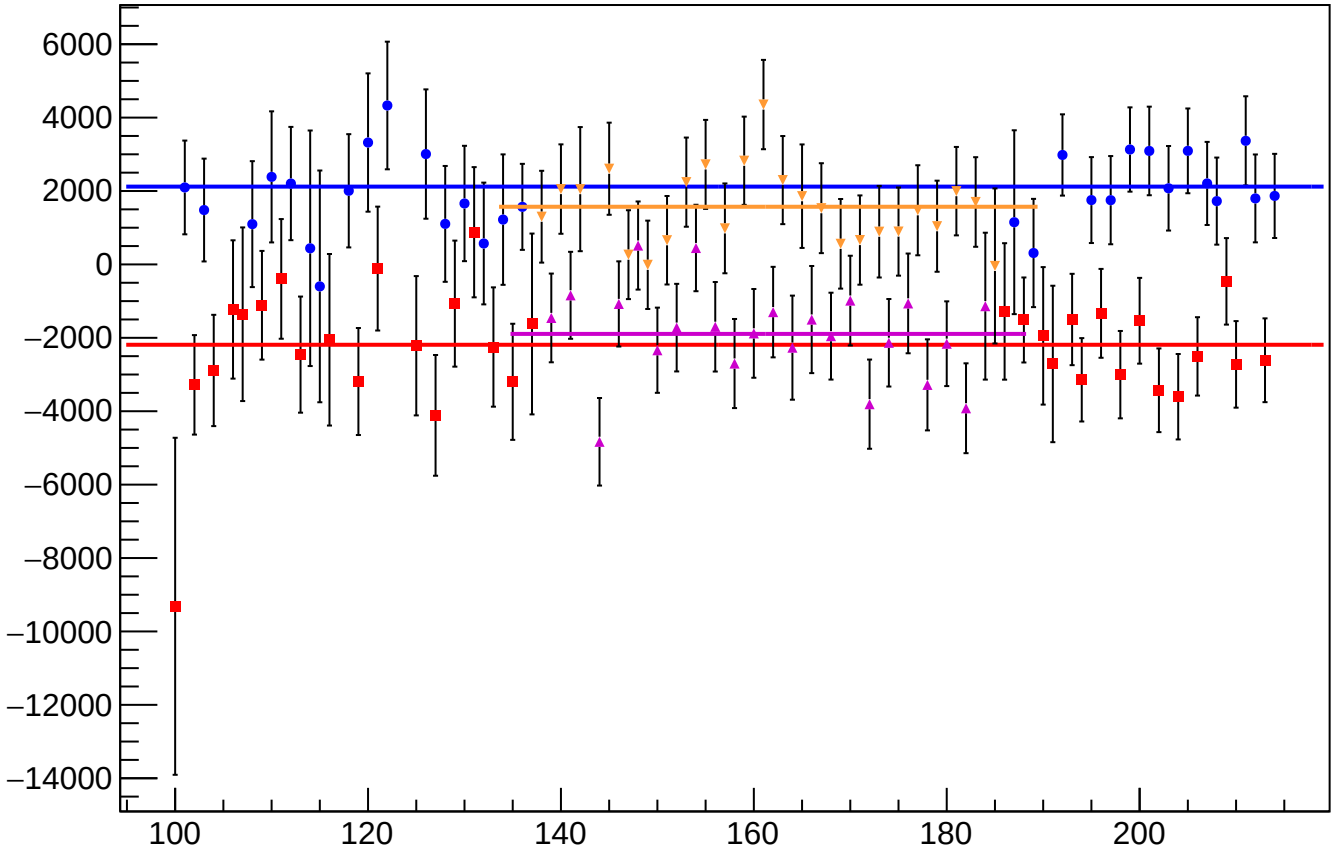
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1043.026+/-0.129 χ^2/NDF: 7873136.7/53

All: 1063.036+/-0.093 χ^2/NDF: 15693361.9/1

- sign 1084.388+/-0.133 χ^2/NDF: 7770658.3/55

cor_asym_usl_mean vs Slug



Right In: 2119.803+/-254.855 χ^2/NDF: 11.6/29

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

Right Out: -2189.316+/-252.835 χ^2/NDF: 20.8/32

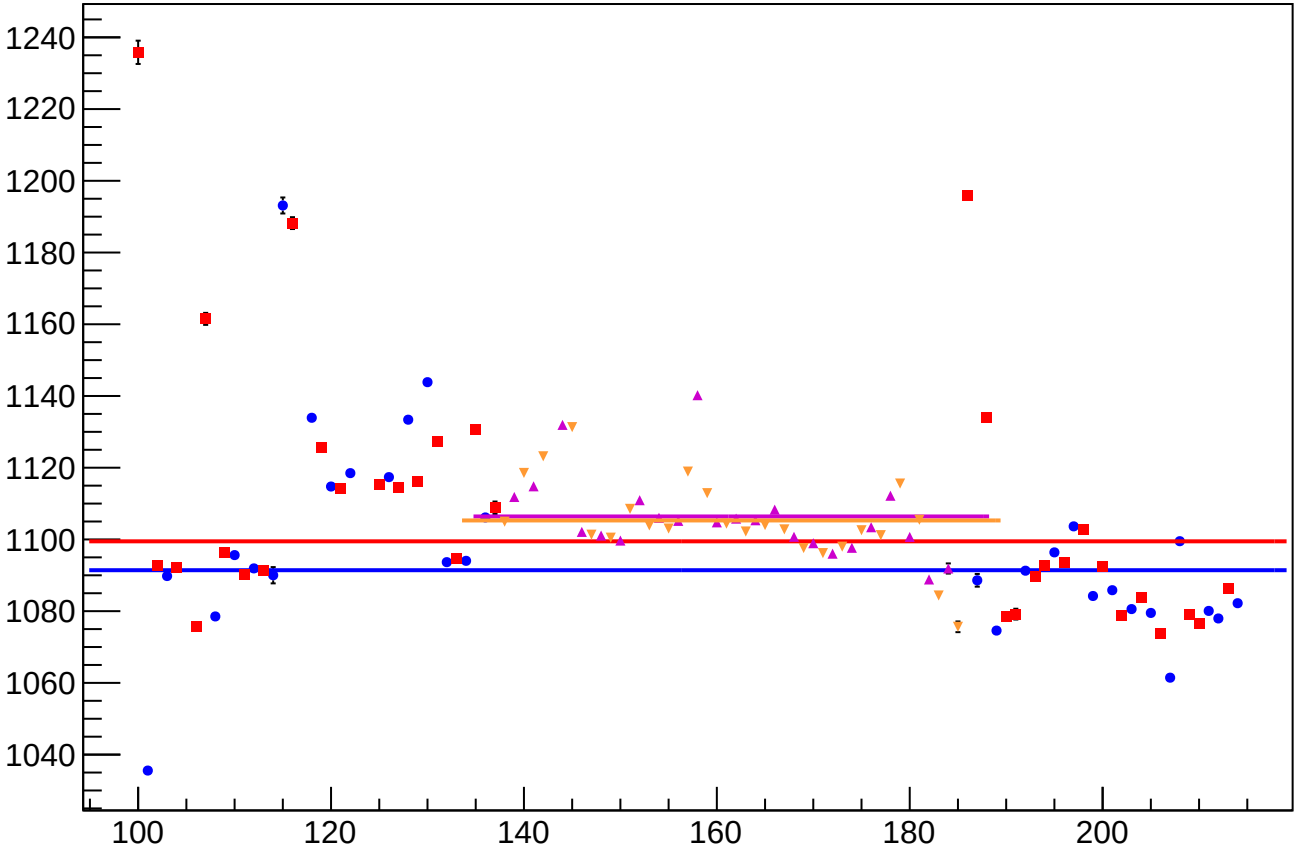
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.233+/-180.801 χ^2/NDF: 29.3/53

All: -99.775+/-127.809 χ^2/NDF: 306.7/109

- sign -2044.517+/-180.696 χ^2/NDF: 45.6/55

cor_asym_usl_rms vs Slug



Right In: 1091.420+/-0.180 χ^2/NDF: 15804.3/29

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

Right Out: 1099.472+/-0.179 χ^2/NDF: 20903.6/32

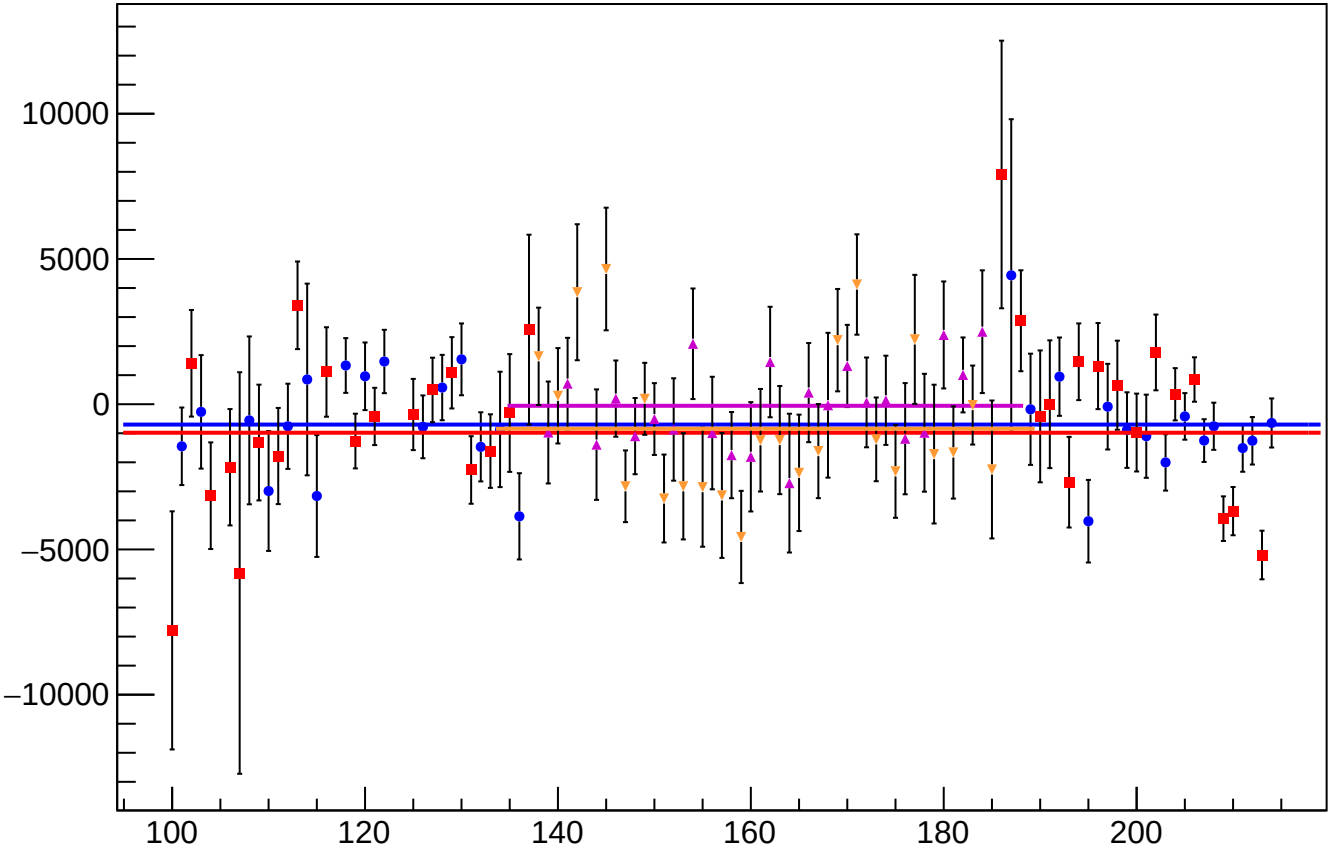
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1098.311+/-0.128 χ^2/NDF: 21910.2/53

All: 1100.589+/-0.090 χ^2/NDF: 47960.3/109

- sign 1102.864+/-0.128 χ^2/NDF: 25415.7/55

asym_usl_cor_correction_mean vs Slug



Right In: -701.103+/-214.890 χ^2/NDF: 35.6/29

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

Right Out: -982.138+/-225.255 χ^2/NDF: 105.4/32

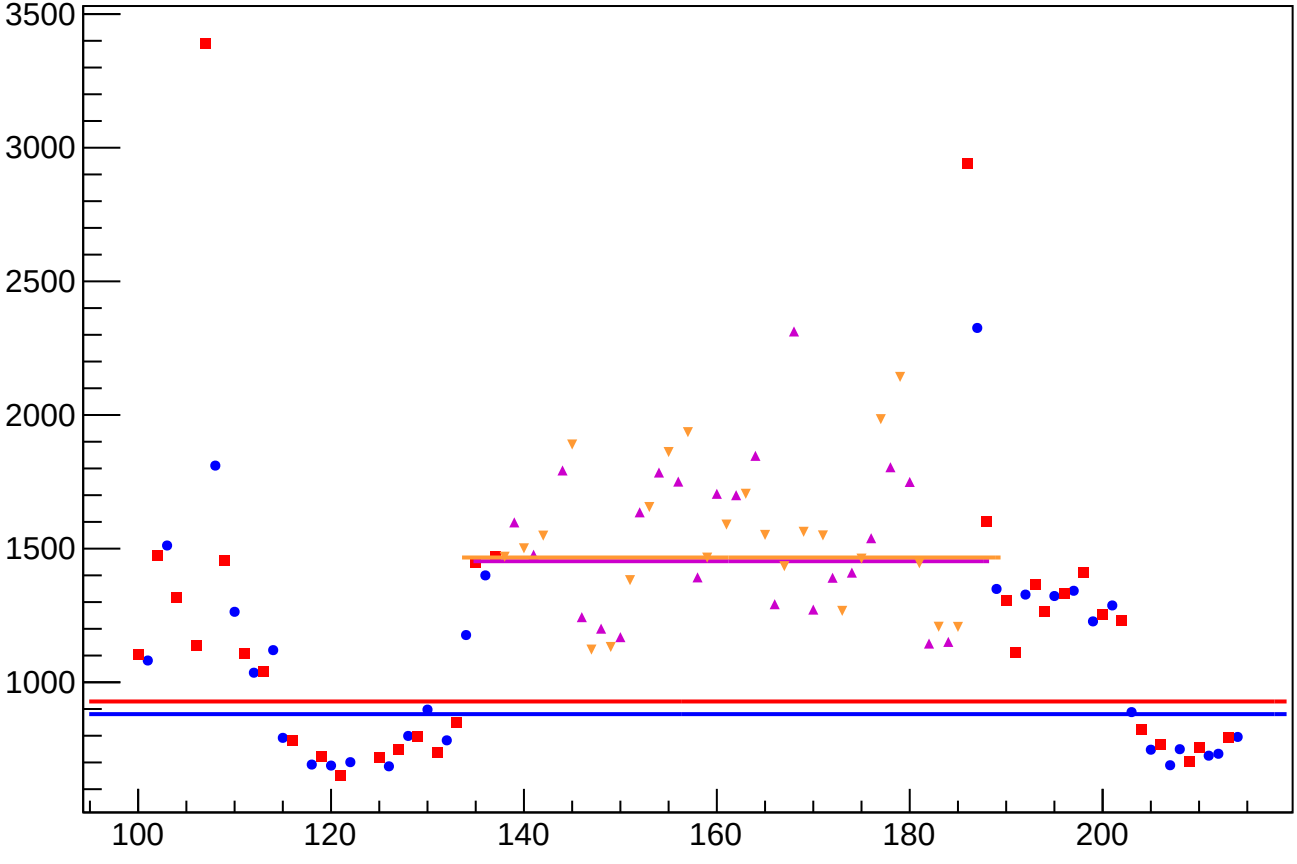
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -740.836+/-182.745 χ^2/NDF: 79.9/53

All: -723.943+/-131.298 χ^2/NDF: 203.4/109

- sign -705.919+/-188.769 χ^2/NDF: 123.5/55

asym_usl_cor_correction_rms vs Slug



Right In: 880.812+/-0.152 χ^2/NDF: 2712568.4/29

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

Right Out: 928.130+/-0.159 χ^2/NDF: 3408426.7/32

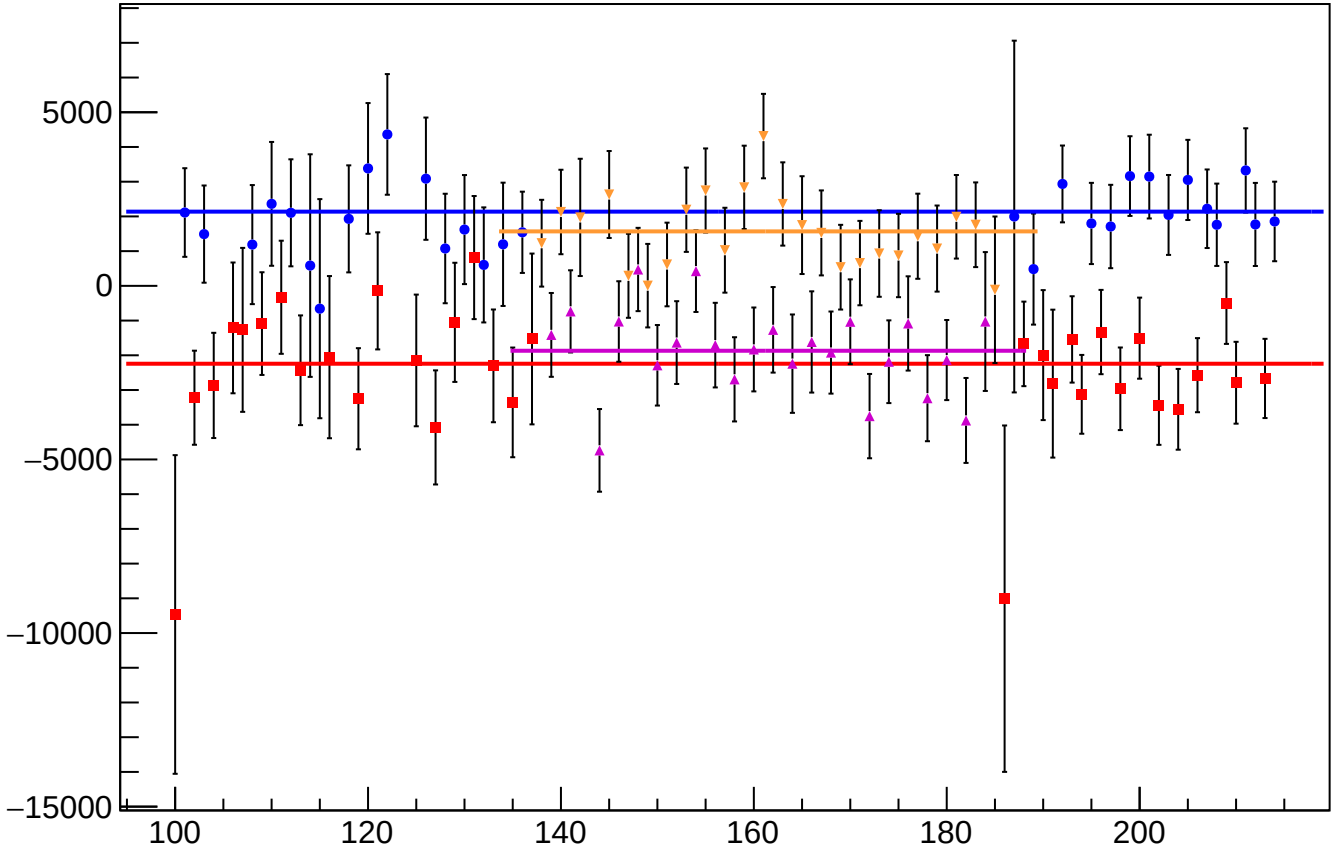
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1043.026+/-0.129 χ^2/NDF: 7873136.7/53

All: 1063.036+/-0.093 χ^2/NDF: 15693361.4/1

- sign 1084.387+/-0.133 χ^2/NDF: 7770658.0/55

overload_cor_asym_usl_mean vs Slug



Right In: 2137.656+/-256.265 χ^2/NDF: 11.1/29

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

Right Out: -2243.180+/-255.332 χ^2/NDF: 22.4/32

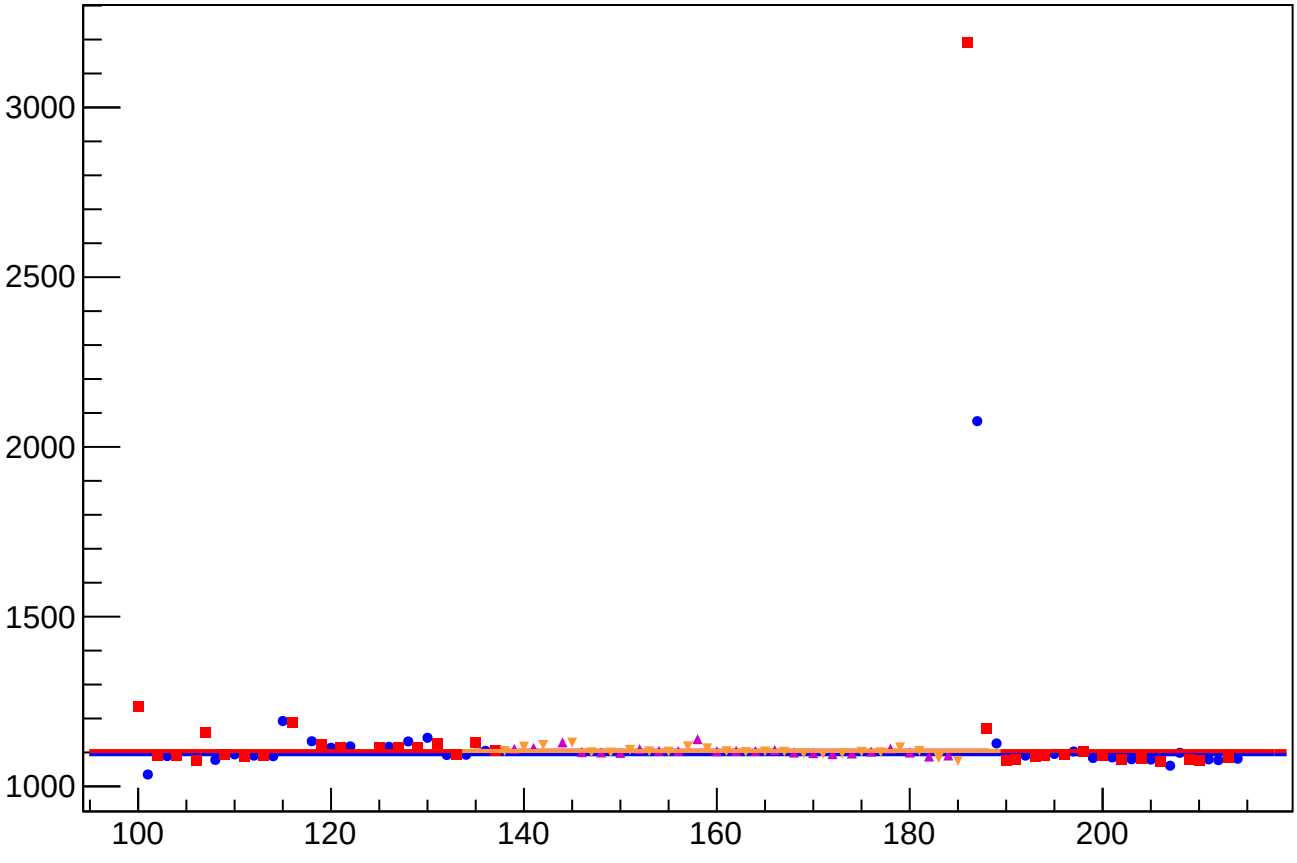
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1853.253+/-181.217 χ^2/NDF: 28.9/53

All: -99.270+/-128.246 χ^2/NDF: 308.3/109

- sign -2058.276+/-181.518 χ^2/NDF: 46.9/55

overload_cor_asym_usl_rms vs Slug



Right In: 1094.647+/-0.181 χ^2/NDF: 91568.9/29

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

Right Out: 1104.008+/-0.181 χ^2/NDF: 371452.2/32

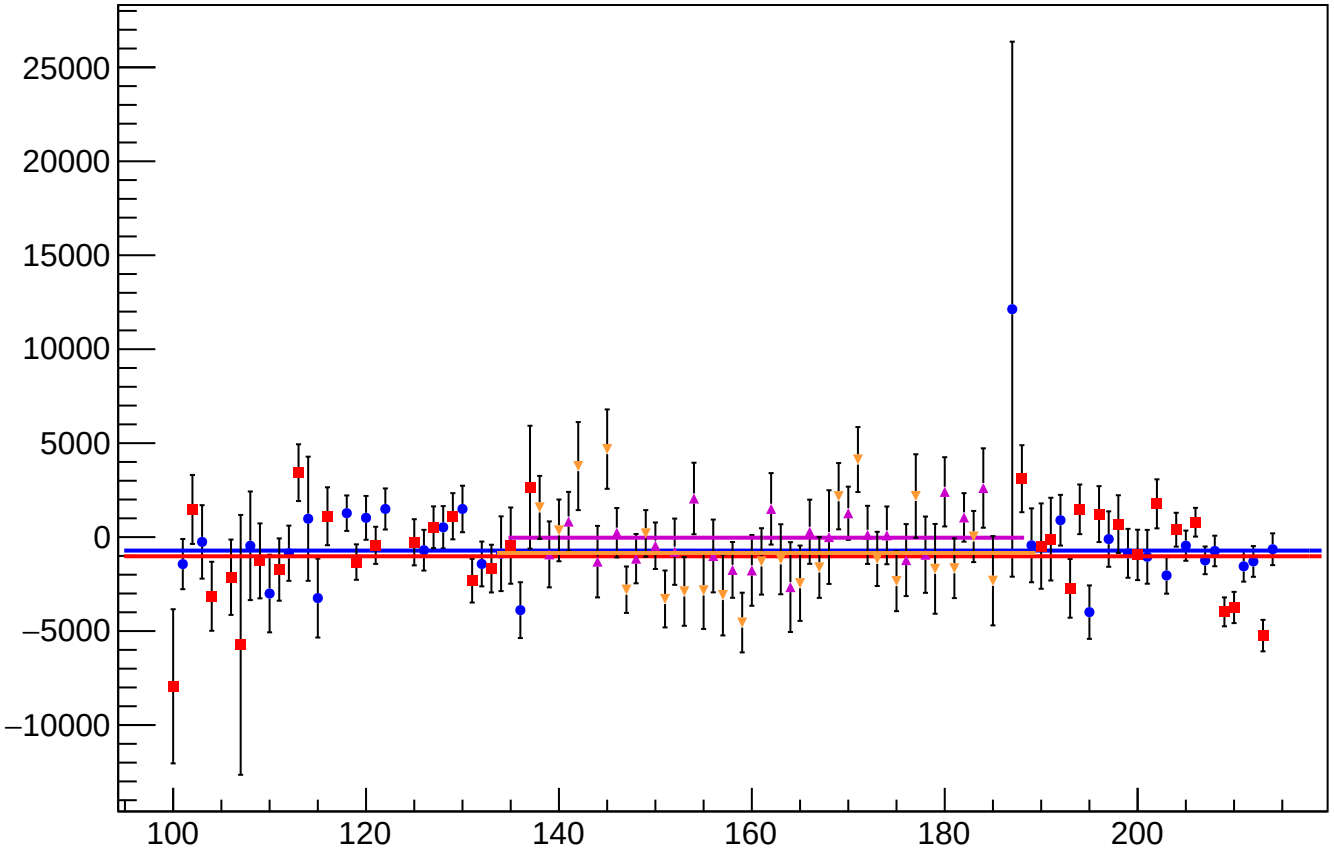
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1099.452+/-0.128 χ^2/NDF: 95974.4/53

All: 1102.065+/-0.091 χ^2/NDF: 471949.3/109

- sign 1104.687+/-0.128 χ^2/NDF: 375141.8/55

asym_usl_overload_cor_correction_mean vs Slug



Right In: -716.712+/-215.365 χ^2/NDF: 35.2/29

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

Right Out: -1019.806+/-225.889 χ^2/NDF: 103.7/31

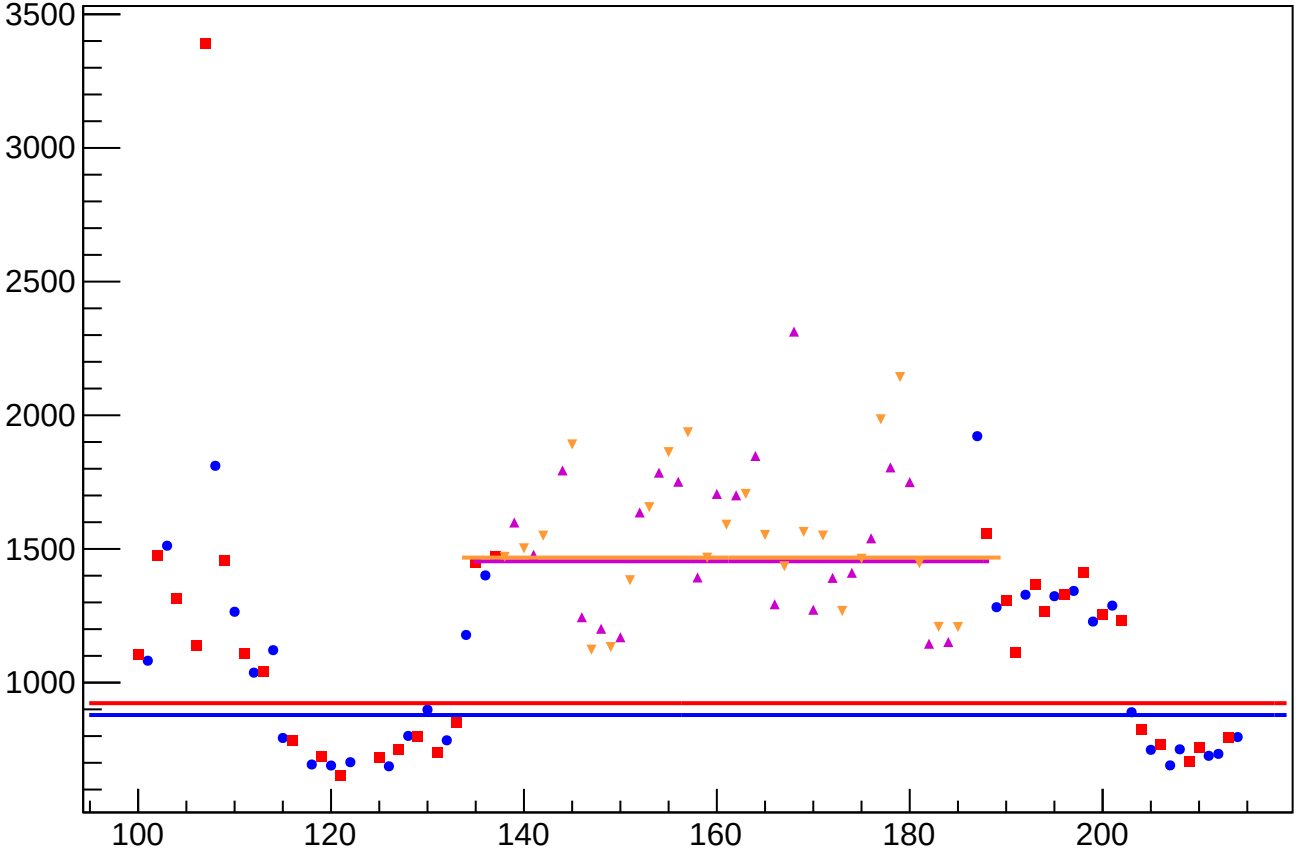
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -751.830+/-183.065 χ^2/NDF: 79.4/53

All: -738.664+/-131.553 χ^2/NDF: 201.8/108

- sign -724.606+/-189.173 χ^2/NDF: 122.5/54

asym_usl_overload_cor_correction_rms vs Slug



Right In: 878.766+/-0.152 χ^2/NDF: 2534806.1/29

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

Right Out: 923.073+/-0.160 χ^2/NDF: 2963434.8/31

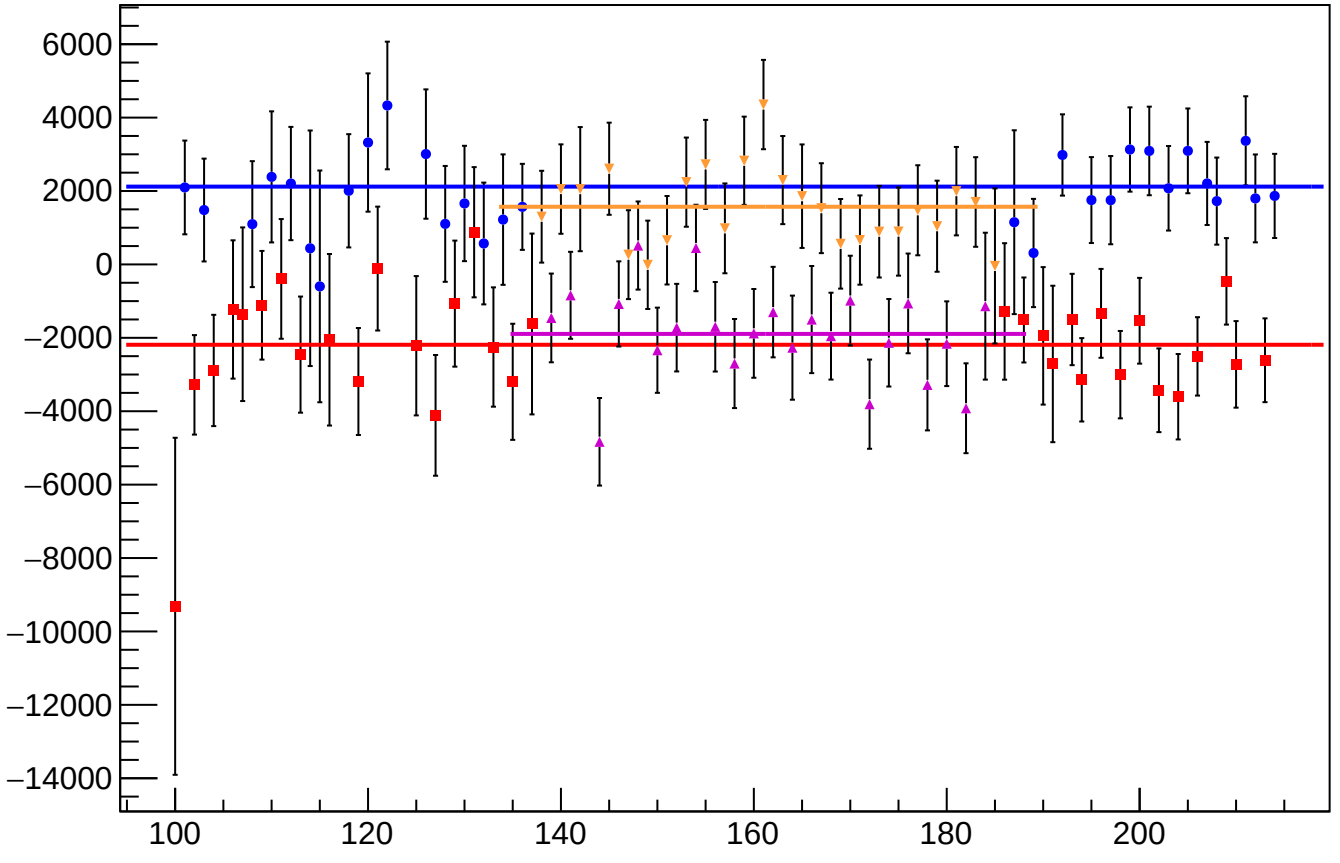
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1042.172+/-0.129 χ^2/NDF: 7726366.0/53

All: 1061.234+/-0.093 χ^2/NDF: 15160369.1/1

- sign 1081.590+/-0.134 χ^2/NDF: 7389161.6/54

eigen_cor_asym_usl_mean vs Slug



Right In: 2119.803+/-254.855 χ^2/NDF: 11.6/29

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

Right Out: -2189.316+/-252.835 χ^2/NDF: 20.8/32

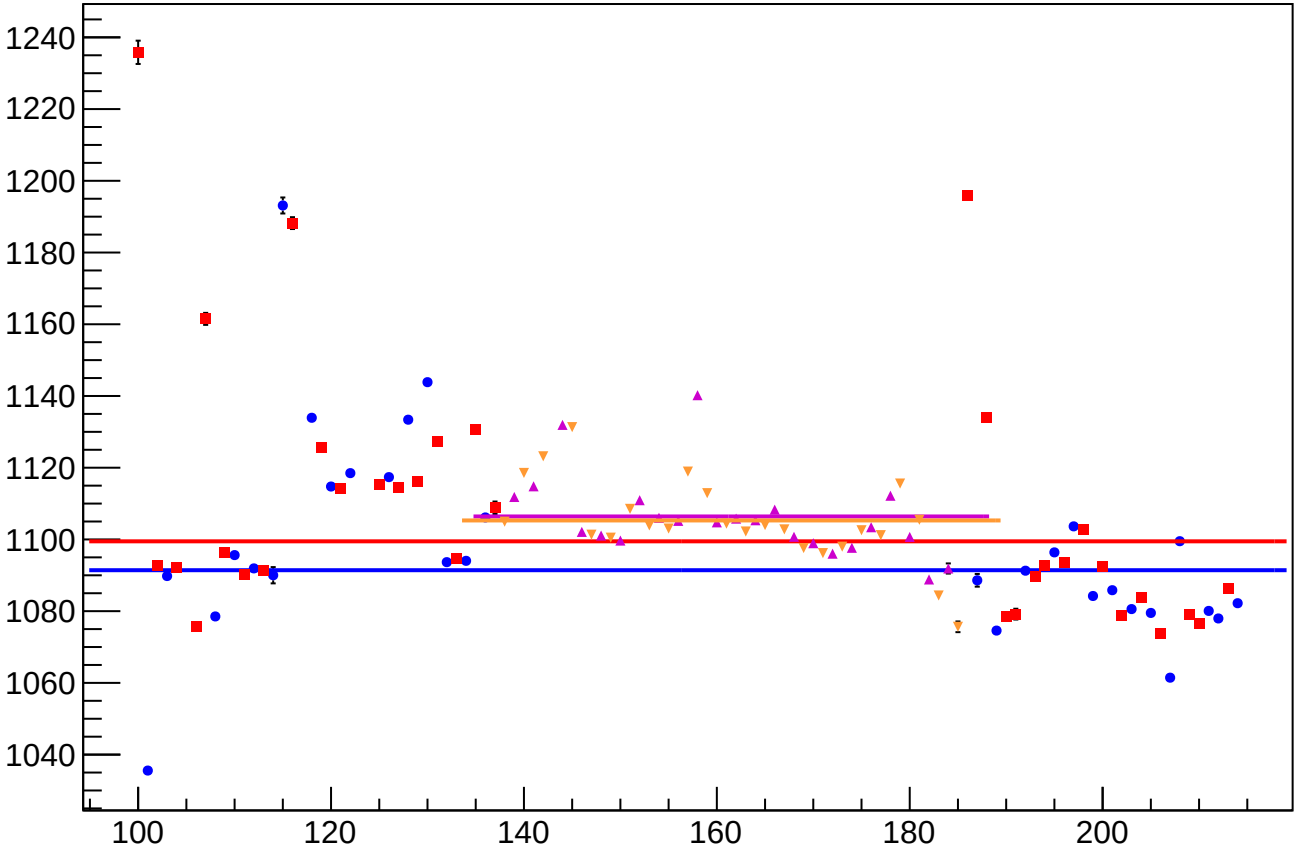
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1847.233+/-180.801 χ^2/NDF: 29.3/53

All: -99.775+/-127.809 χ^2/NDF: 306.7/109

- sign -2044.517+/-180.696 χ^2/NDF: 45.6/55

eigen_cor_asym_usl_rms vs Slug



Right In: 1091.420+/-0.180 χ^2/NDF: 15804.3/29

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

Right Out: 1099.472+/-0.179 χ^2/NDF: 20903.6/32

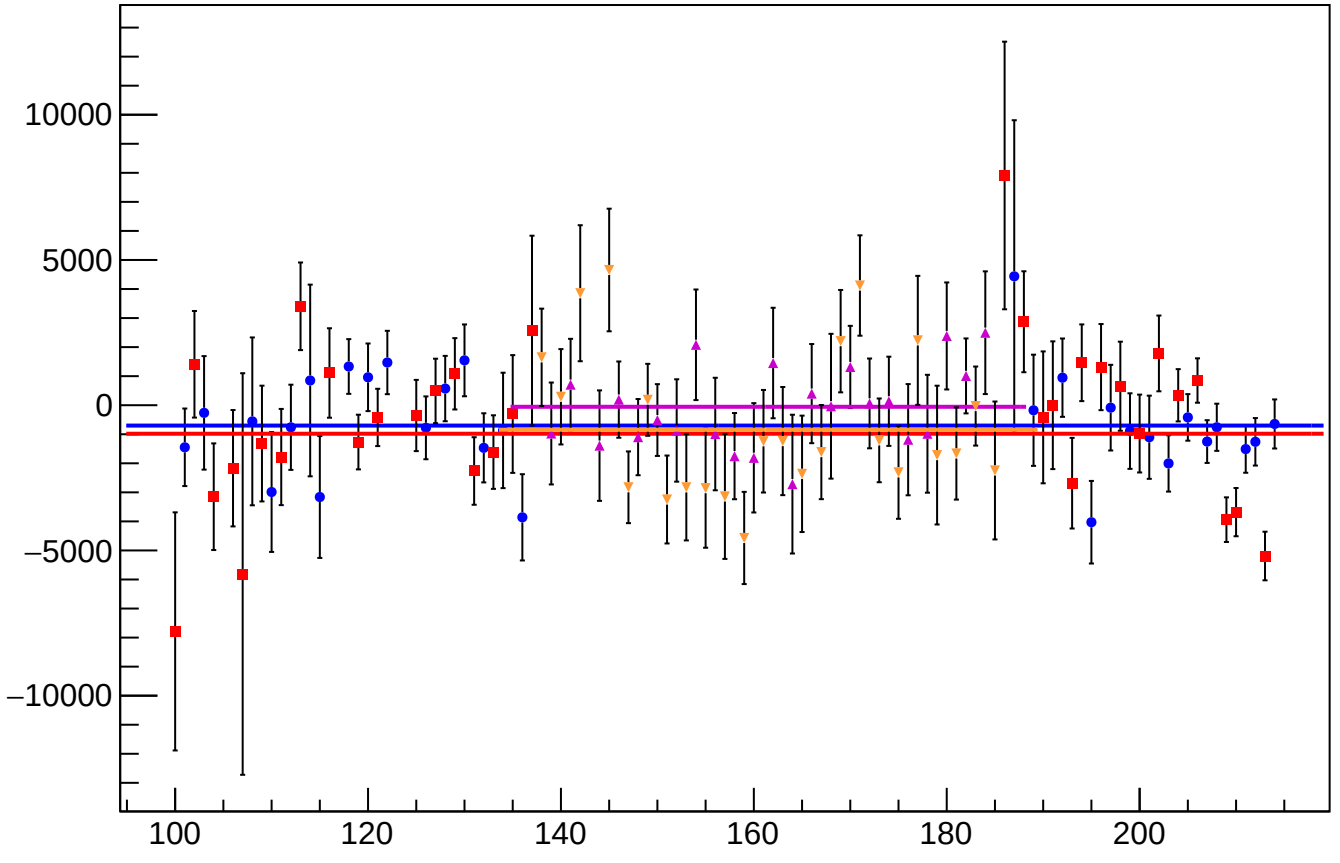
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1098.311+/-0.128 χ^2/NDF: 21910.2/53

All: 1100.589+/-0.090 χ^2/NDF: 47960.3/109

- sign 1102.864+/-0.128 χ^2/NDF: 25415.7/55

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -701.103+/-214.890 χ^2/NDF: 35.6/29

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

Right Out: -982.138+/-225.255 χ^2/NDF: 105.4/32

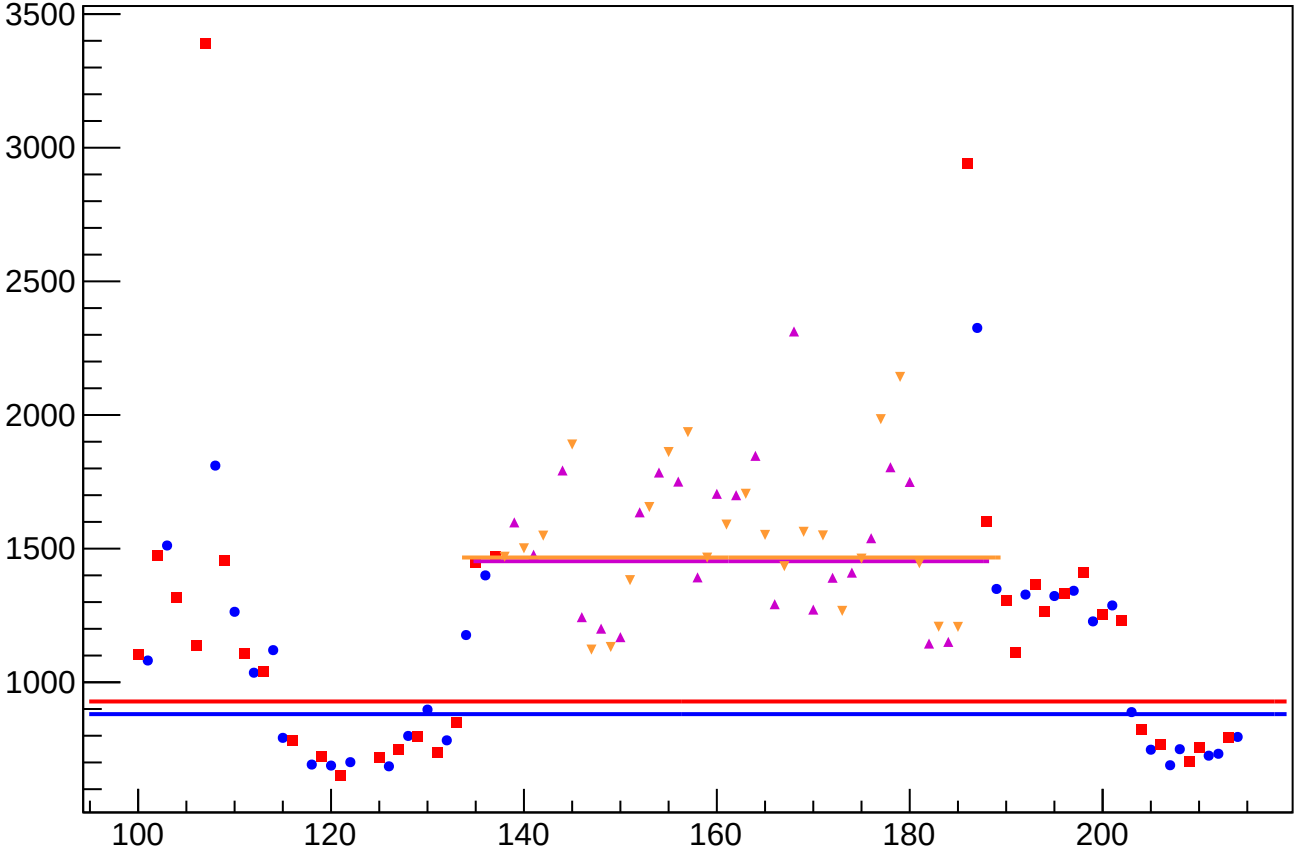
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -740.836+/-182.745 χ^2/NDF: 79.9/53

All: -723.943+/-131.298 χ^2/NDF: 203.4/109

- sign -705.919+/-188.769 χ^2/NDF: 123.5/55

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 880.812+/-0.152 χ^2/NDF: 2712568.4/29

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

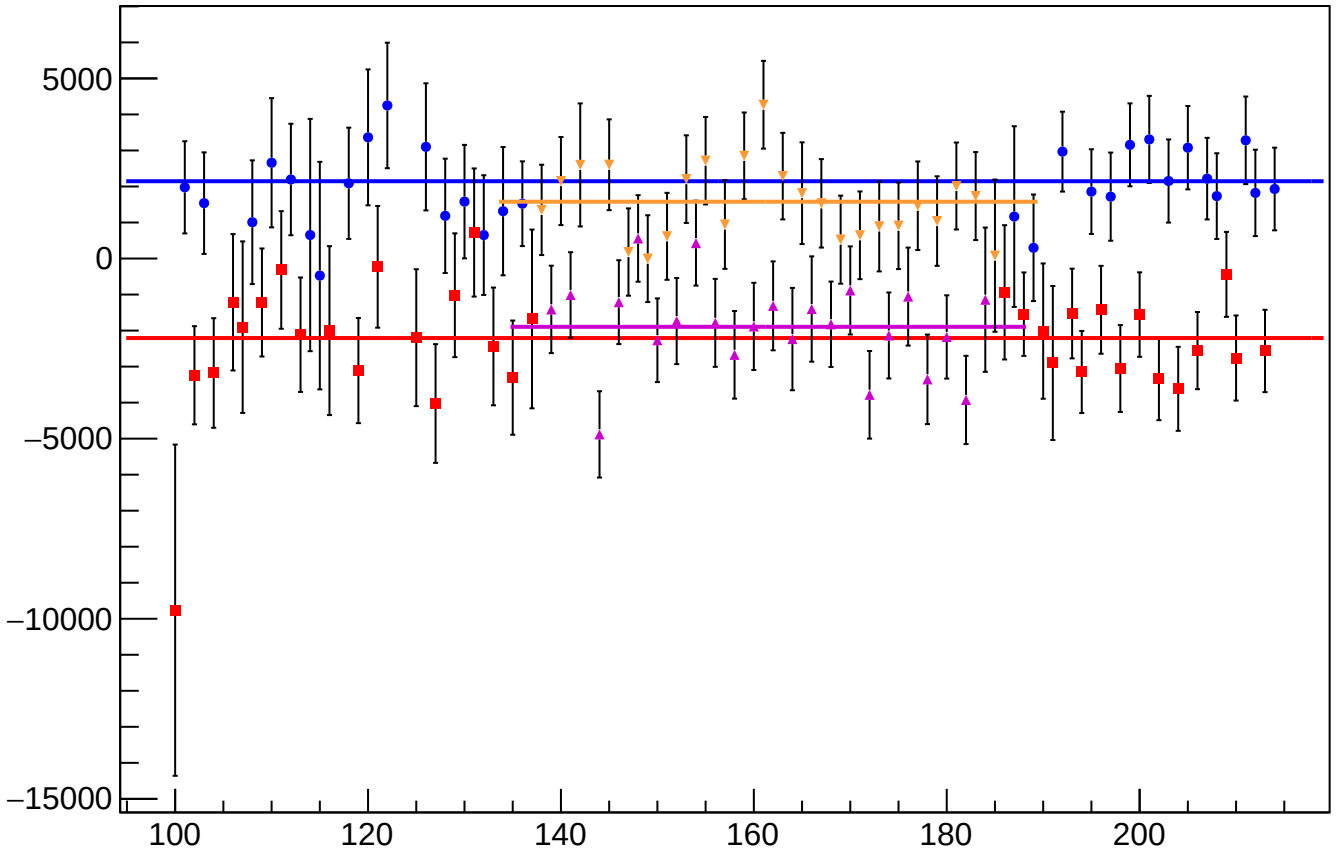
Right Out: 928.130+/-0.159 χ^2/NDF: 3408426.7/32

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

+ sign 1043.026+/-0.129 χ^2/NDF: 7873136.7/53

All: 1063.036+/-0.093 χ^2/NDF: 15693361.4/1

- sign 1084.387+/-0.133 χ^2/NDF: 7770658.0/55



Right In: 2146.342+/-255.635 χ^2/NDF: 11.5/29

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

Right Out: -2207.366+/-253.717 χ^2/NDF: 20.7/32

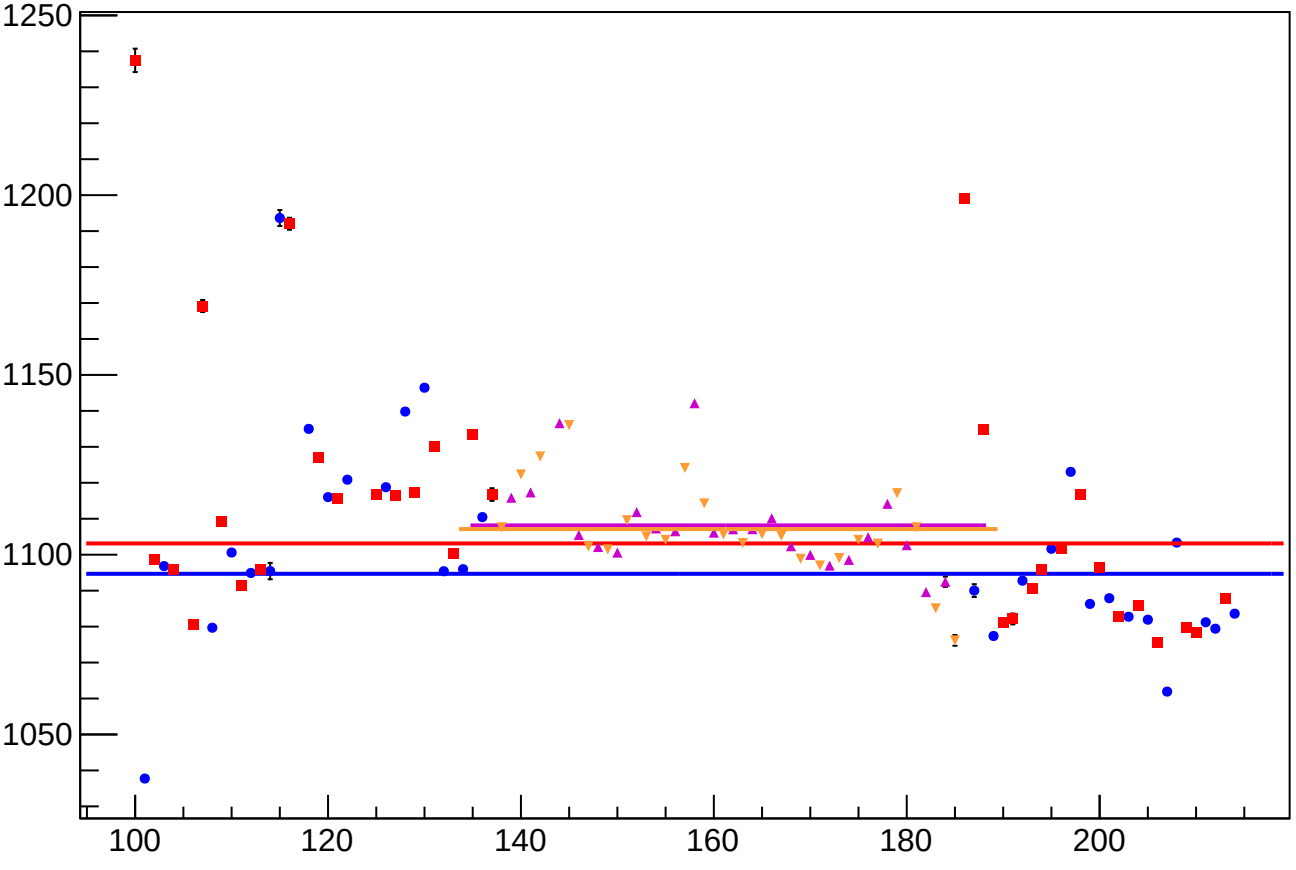
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1863.390+/-181.243 χ^2/NDF: 29.5/53

All: -96.479+/-128.128 χ^2/NDF: 308.8/109

- sign -2054.519+/-181.158 χ^2/NDF: 45.5/55

dit_asym_usl_rms vs Slug



Right In: 1094.685+/-0.181 χ^2/NDF: 17273.5/29

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

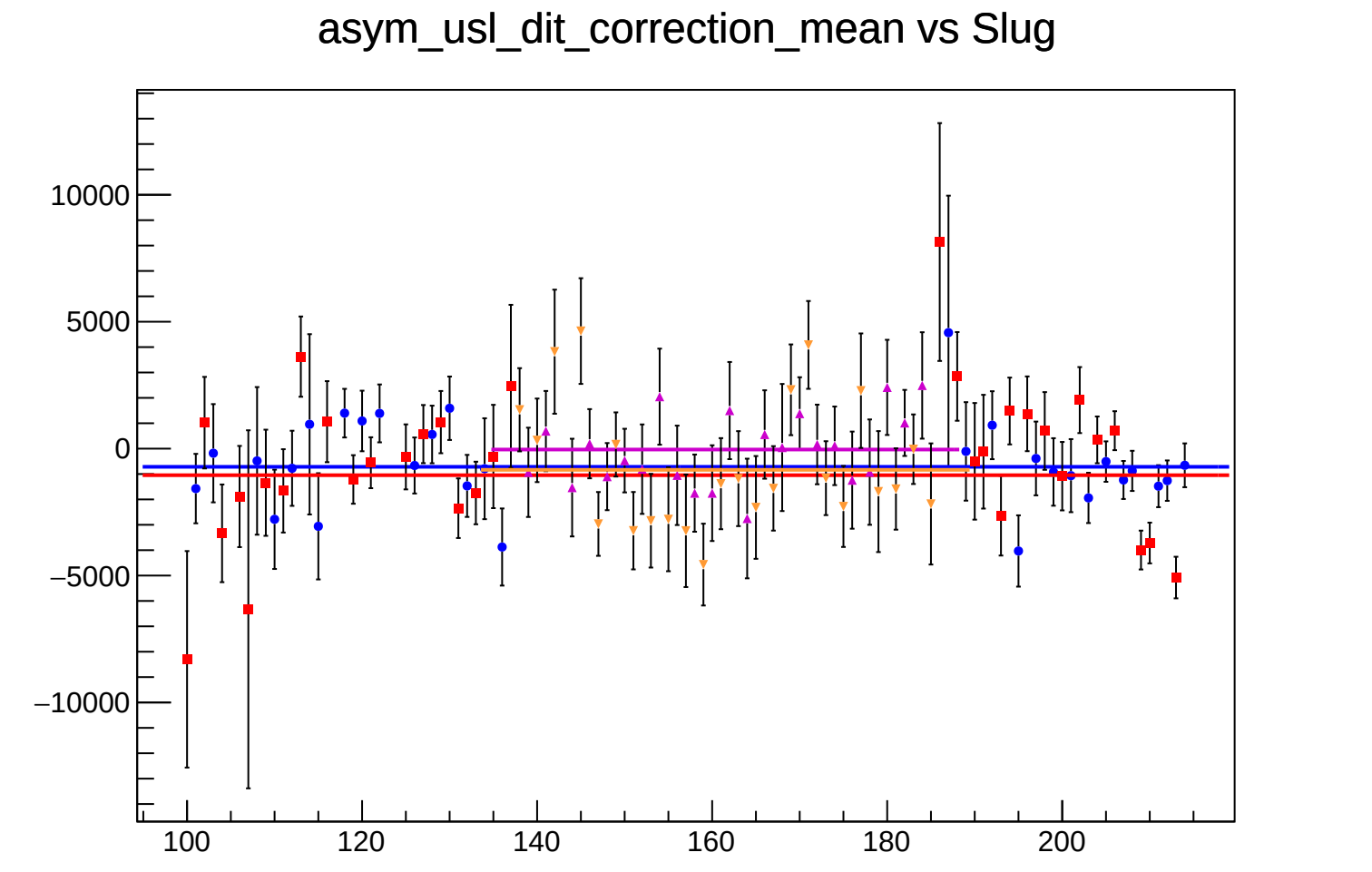
Right Out: 1103.131+/-0.179 χ^2/NDF: 21214.9/32

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

+ sign 1100.873+/-0.128 χ^2/NDF: 23413.2/53

All: 1103.232+/-0.091 χ^2/NDF: 49879.1/109

- sign 1105.589+/-0.128 χ^2/NDF: 25788.4/55



Right In: -715.954+/-216.423 χ^2/NDF: 34.7/29

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

Right Out: -1046.162+/-226.192 χ^2/NDF: 106.0/32

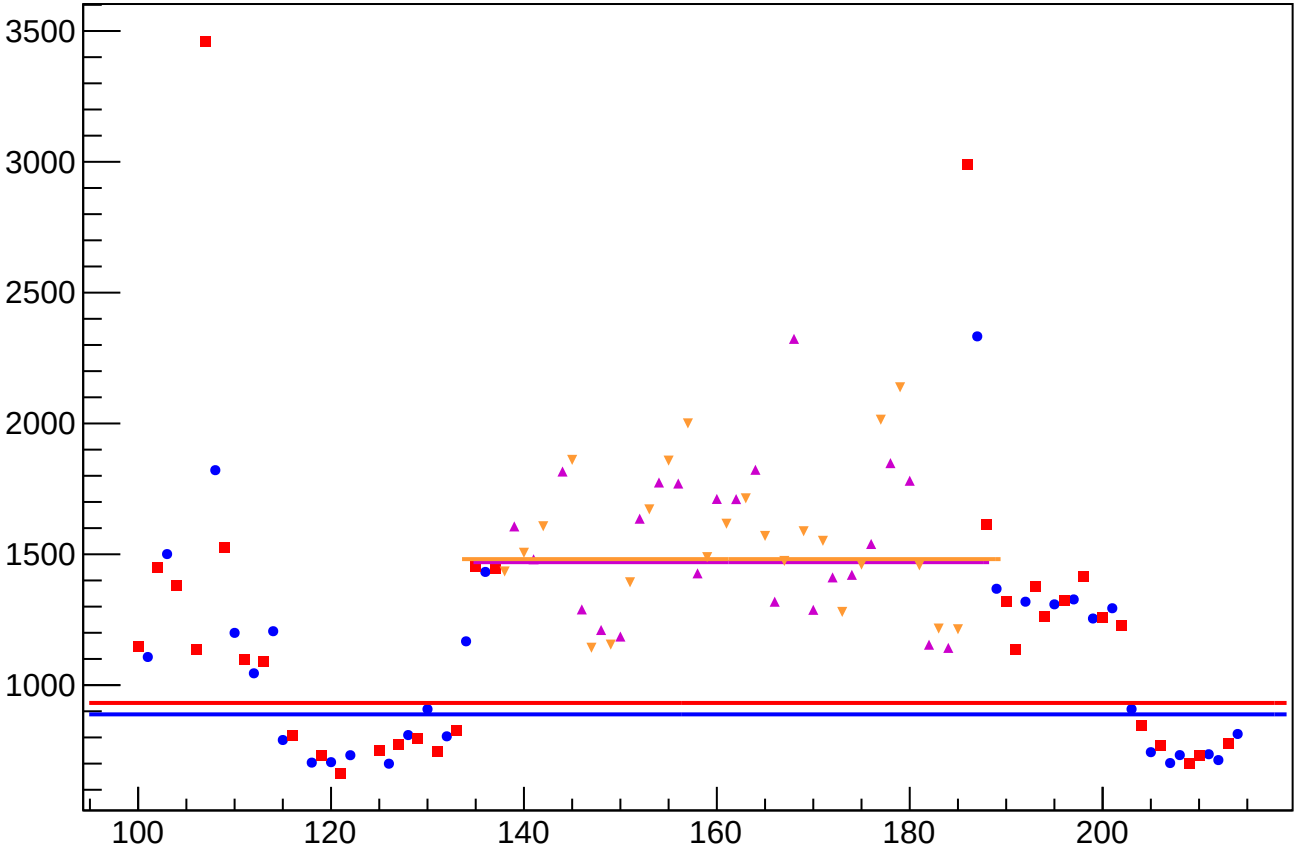
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -748.878+/-184.163 χ^2/NDF: 78.4/53

All: -748.442+/-132.210 χ^2/NDF: 203.4/109

- sign -747.979+/-189.915 χ^2/NDF: 125.0/55

asym_usl_dit_correction_rms vs Slug



Right In: 888.198+/-0.153 χ^2/NDF: 2677242.2/29

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

Right Out: 931.837+/-0.160 χ^2/NDF: 3452449.6/32

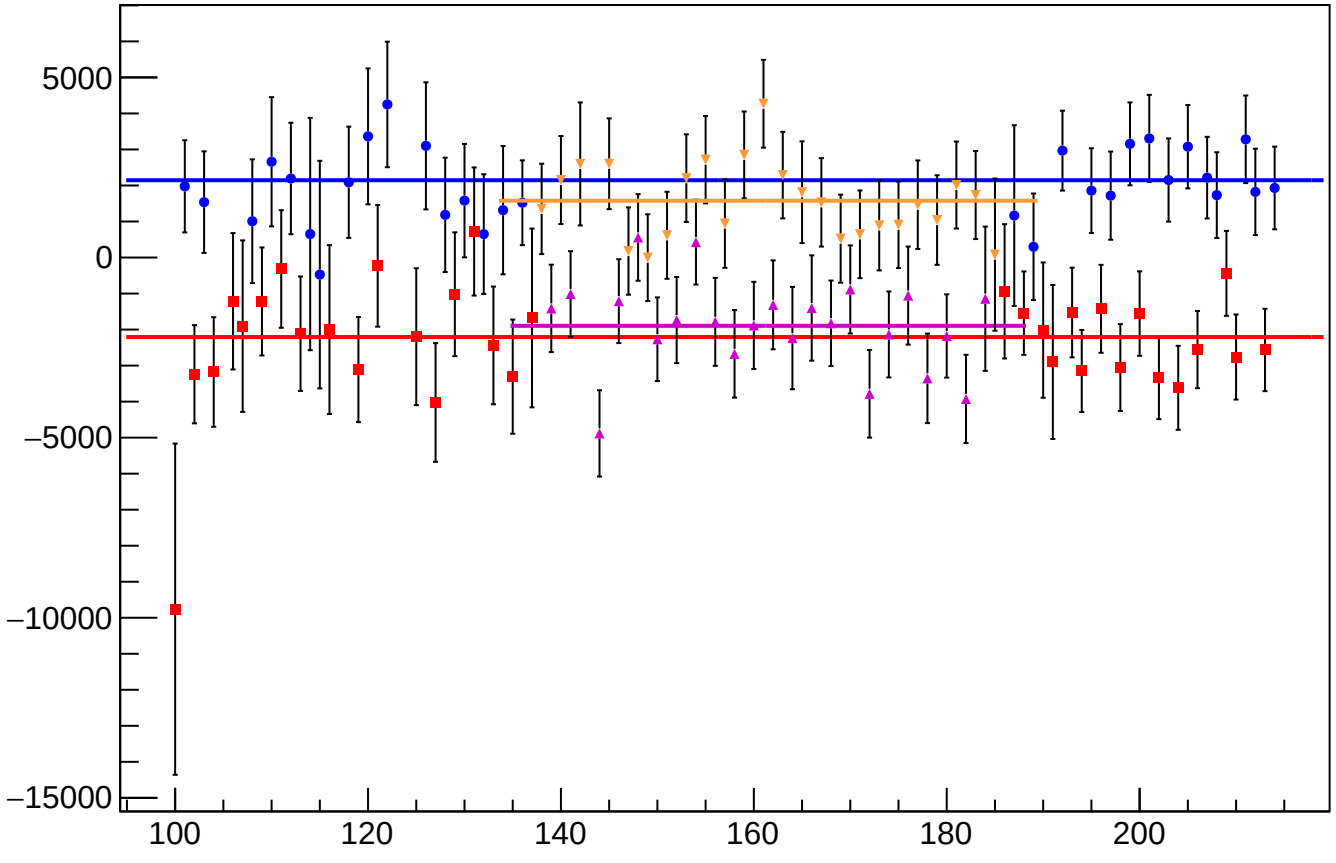
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1051.899+/-0.130 χ^2/NDF: 7842197.2/53

All: 1070.650+/-0.093 χ^2/NDF: 15771651.0/1

- sign 1090.591+/-0.134 χ^2/NDF: 7886672.1/55

eigen_dit_asym_usl_mean vs Slug



Right In: 2146.342+/-255.635 χ^2/NDF: 11.5/29

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

Right Out: -2207.365+/-253.717 χ^2/NDF: 20.7/32

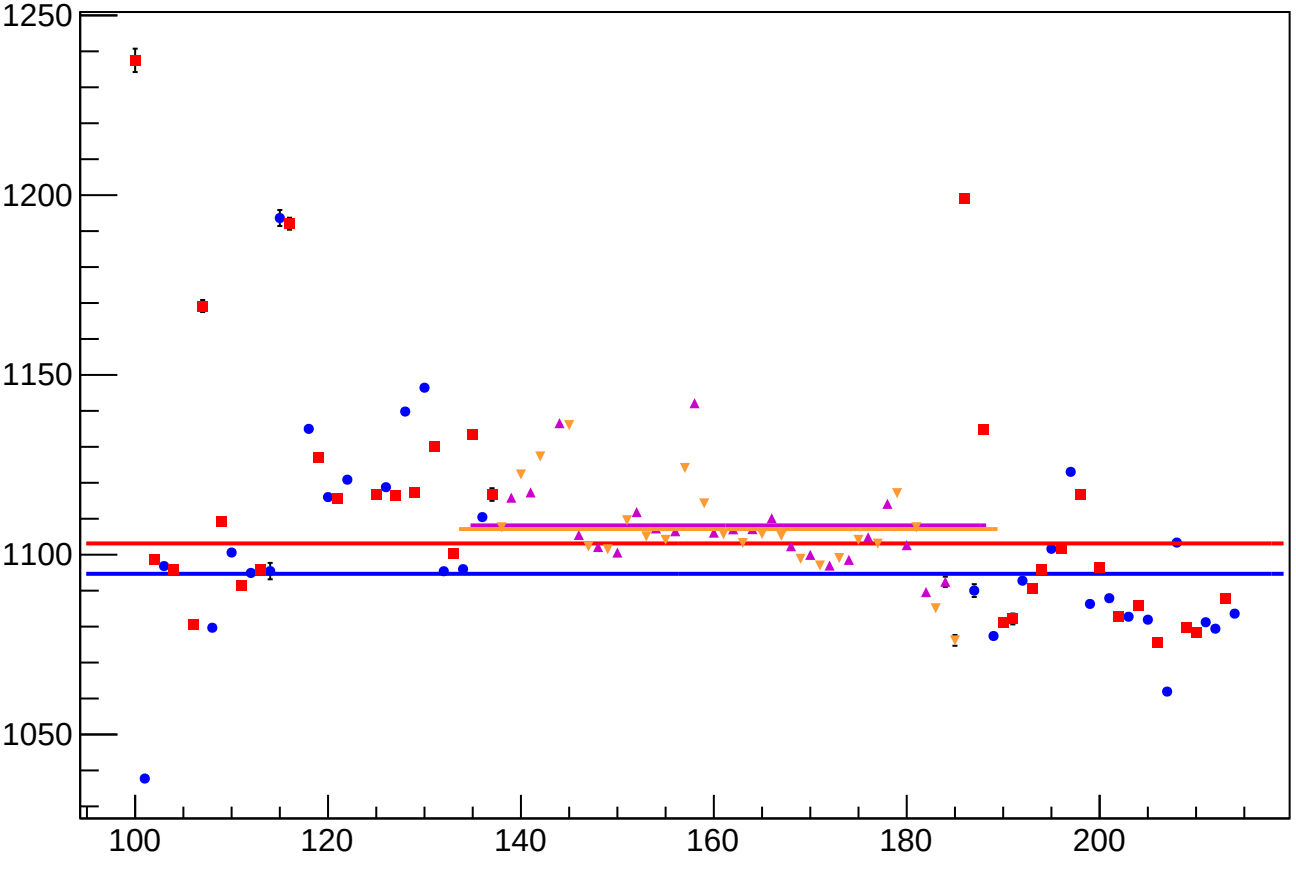
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1863.389+/-181.243 χ^2/NDF: 29.5/53

All: -96.480+/-128.128 χ^2/NDF: 308.8/109

- sign -2054.519+/-181.158 χ^2/NDF: 45.5/55

eigen_dit_asym_usl_rms vs Slug



Right In: 1094.685+/-0.181 χ^2/NDF: 17273.5/29

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

Right Out: 1103.131+/-0.179 χ^2/NDF: 21214.9/32

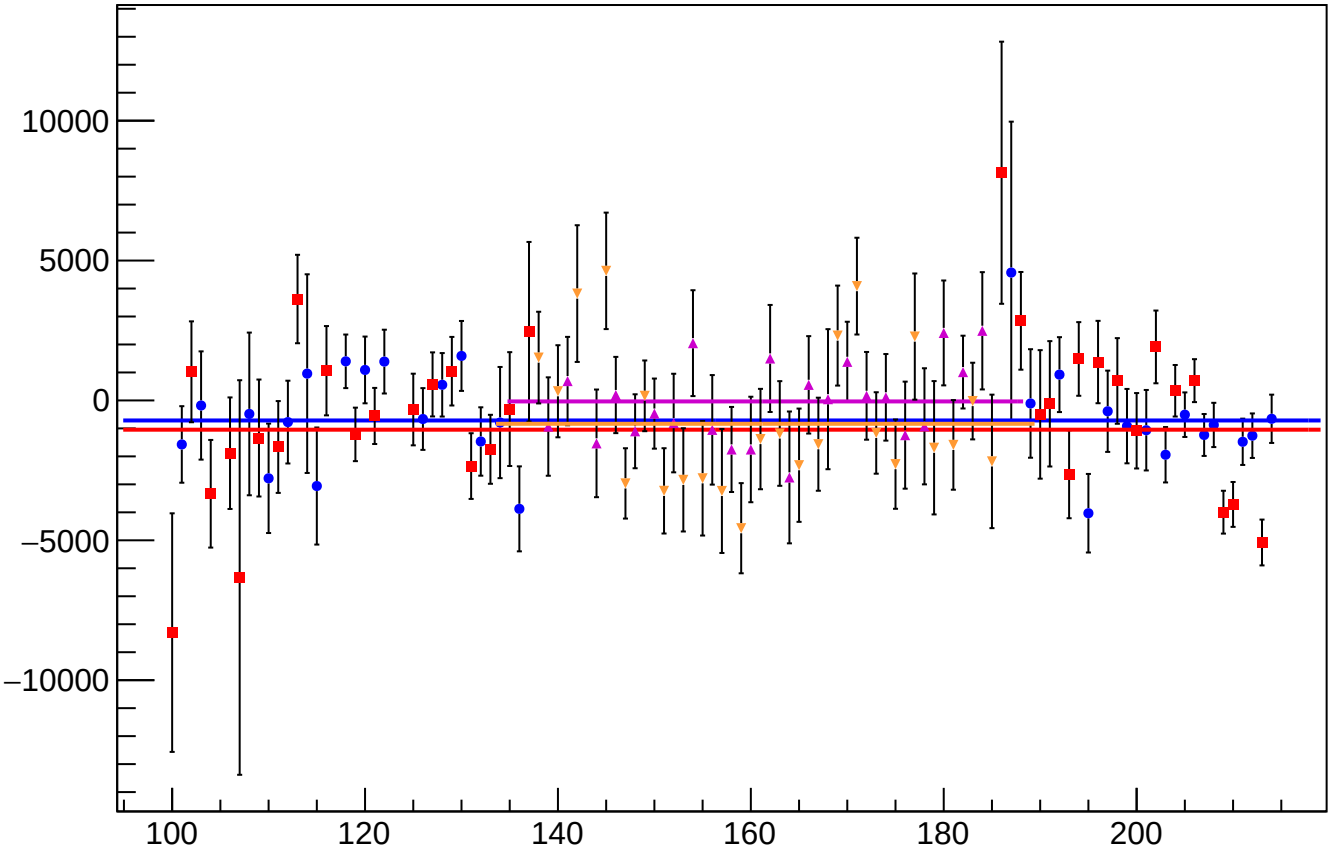
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1100.873+/-0.128 χ^2/NDF: 23413.2/53

All: 1103.232+/-0.091 χ^2/NDF: 49879.0/109

- sign 1105.589+/-0.128 χ^2/NDF: 25788.3/55

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -715.952+/-216.423 χ^2/NDF: 34.7/29

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

Right Out: -1046.160+/-226.192 χ^2/NDF: 106.0/32

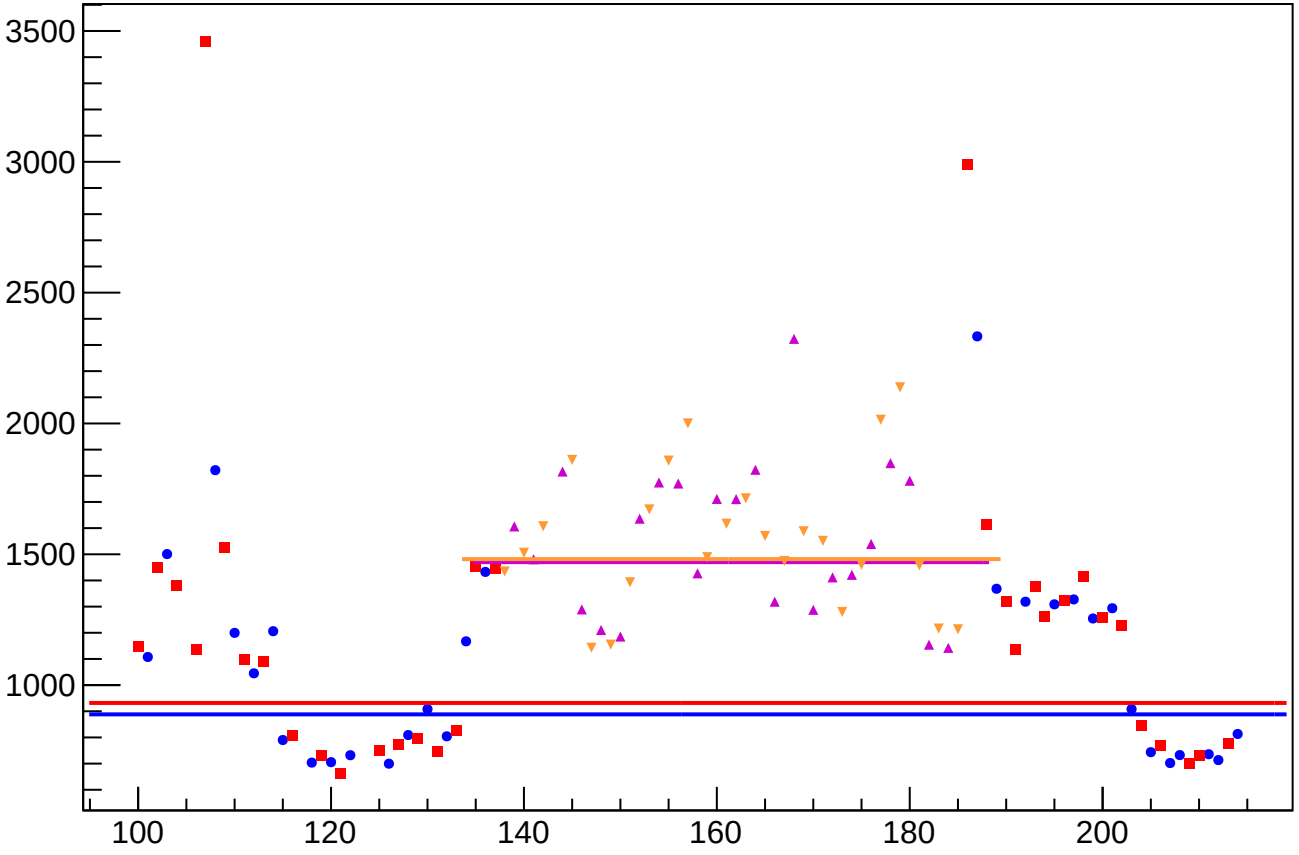
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -748.877+/-184.163 χ^2/NDF: 78.4/53

All: -748.441+/-132.210 χ^2/NDF: 203.4/109

- sign -747.978+/-189.915 χ^2/NDF: 125.0/55

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 888.197+/-0.153 χ^2/NDF: 2677244.0/29

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

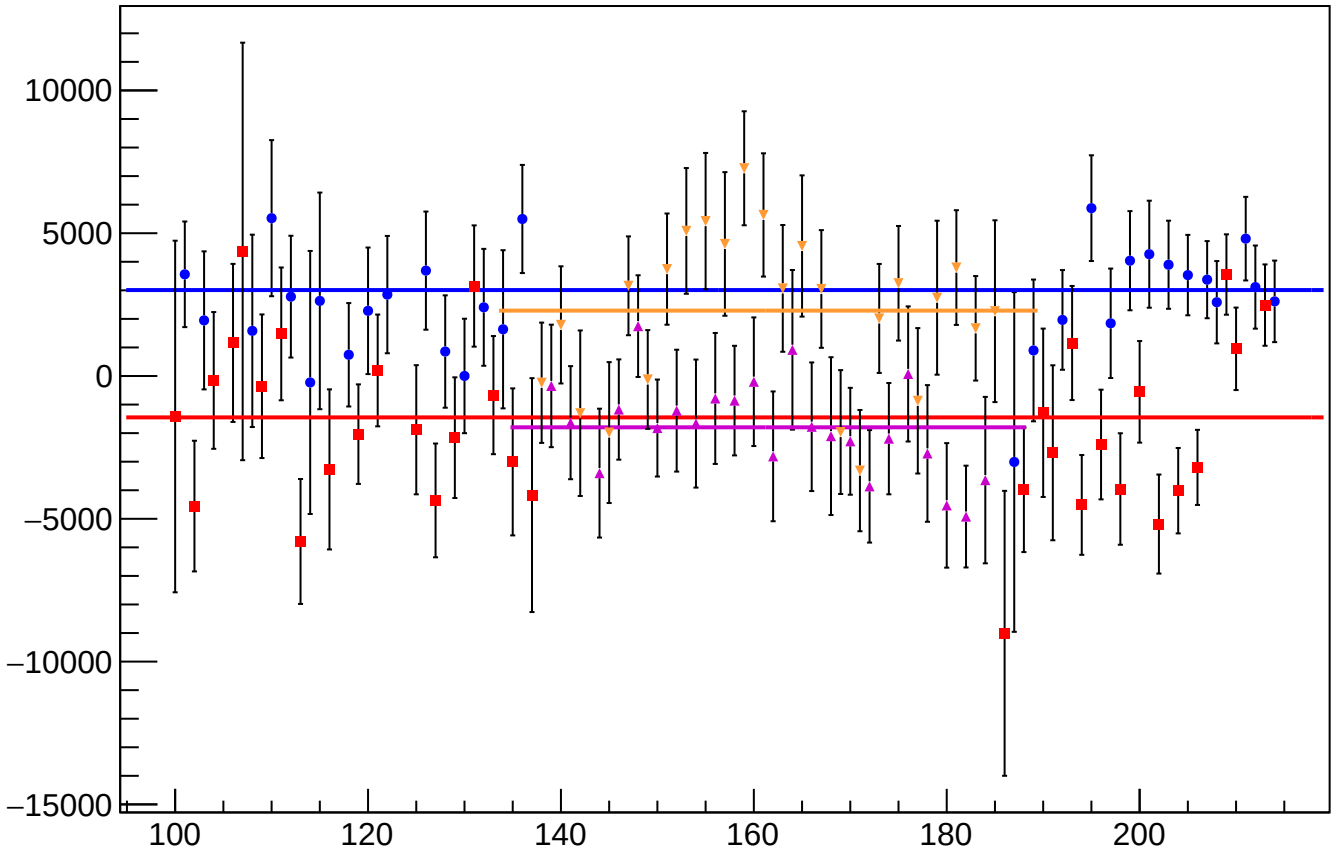
Right Out: 931.837+/-0.160 χ^2/NDF: 3452451.5/32

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

+ sign 1051.899+/-0.130 χ^2/NDF: 7842219.5/53

All: 1070.650+/-0.093 χ^2/NDF: 15771694.6/1

- sign 1090.590+/-0.134 χ^2/NDF: 7886693.5/55



Right In: 3009.474+/-348.356 χ^2/NDF: 17.0/29

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

Right Out: -1448.935+/-356.132 χ^2/NDF: 61.7/32

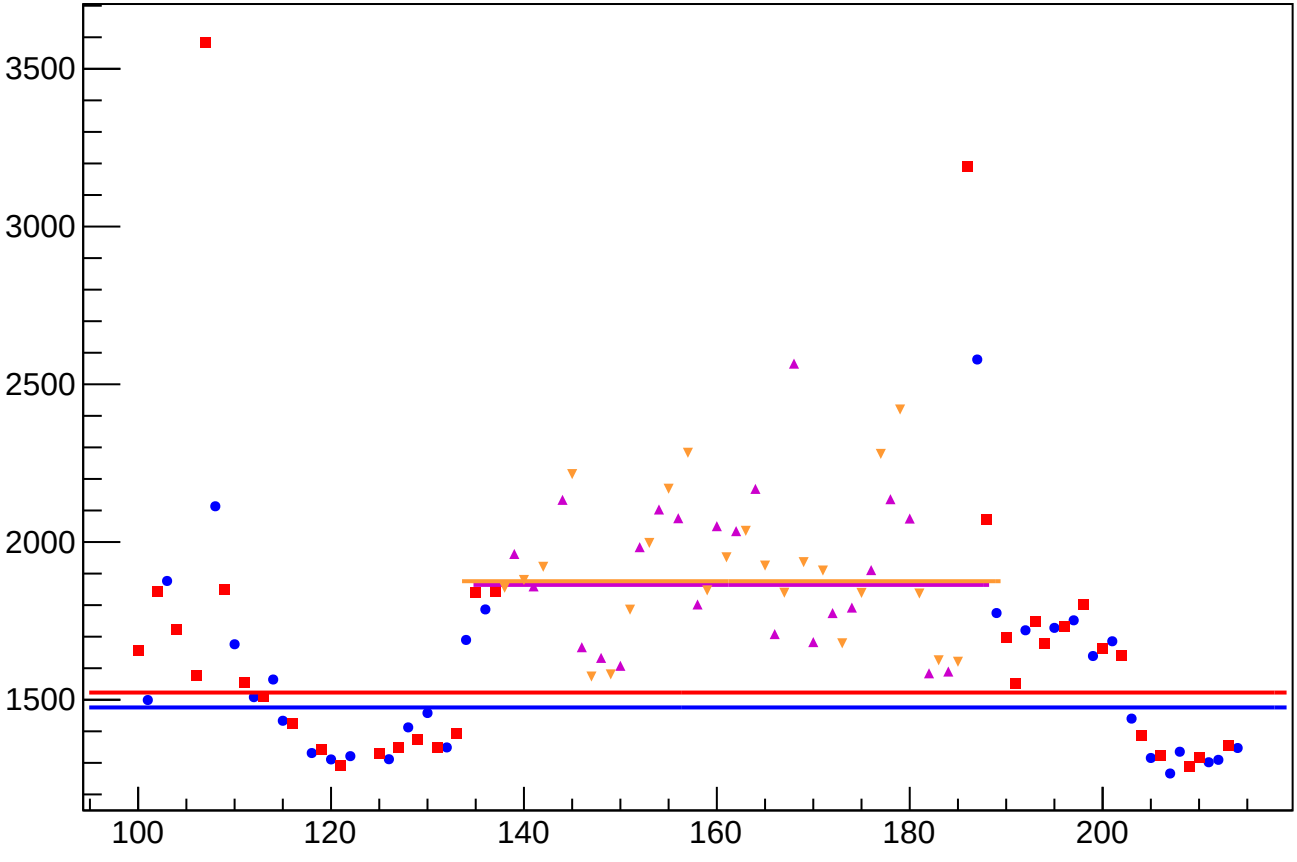
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2731.622+/-272.959 χ^2/NDF: 54.7/53

All: 601.087+/-194.288 χ^2/NDF: 254.5/109

- sign -1586.753+/-276.606 χ^2/NDF: 76.3/55

asym_usl_rms vs Slug



Right In: 1475.690+/-0.246 χ^2/NDF: 685556.5/29

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

Right Out: 1522.903+/-0.252 χ^2/NDF: 1073845.9/32

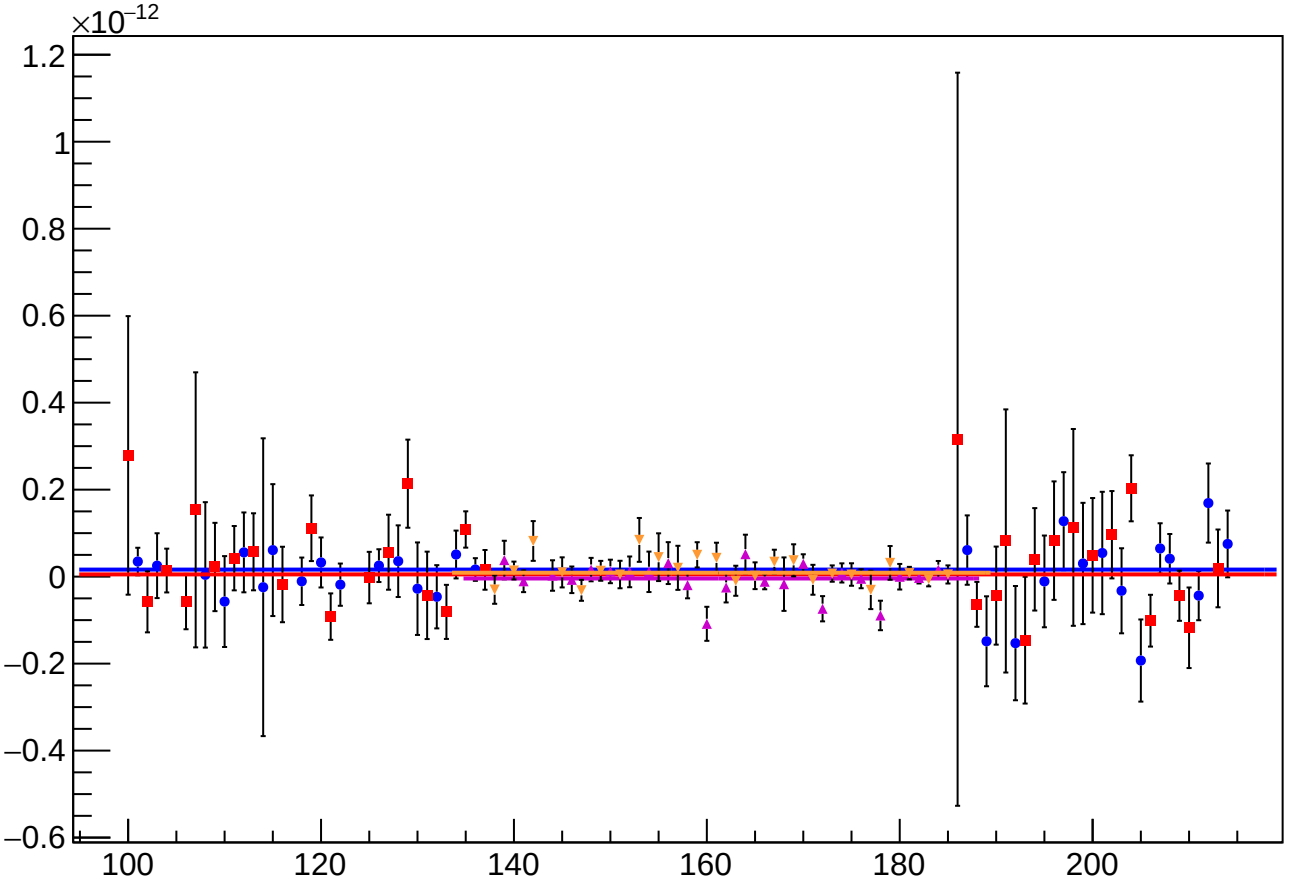
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1630.150+/-0.193 χ^2/NDF: 2176703.2/53

All: 1644.036+/-0.137 χ^2/NDF: 4500240.0/10

- sign 1658.295+/-0.196 χ^2/NDF: 2313045.9/55

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/29

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

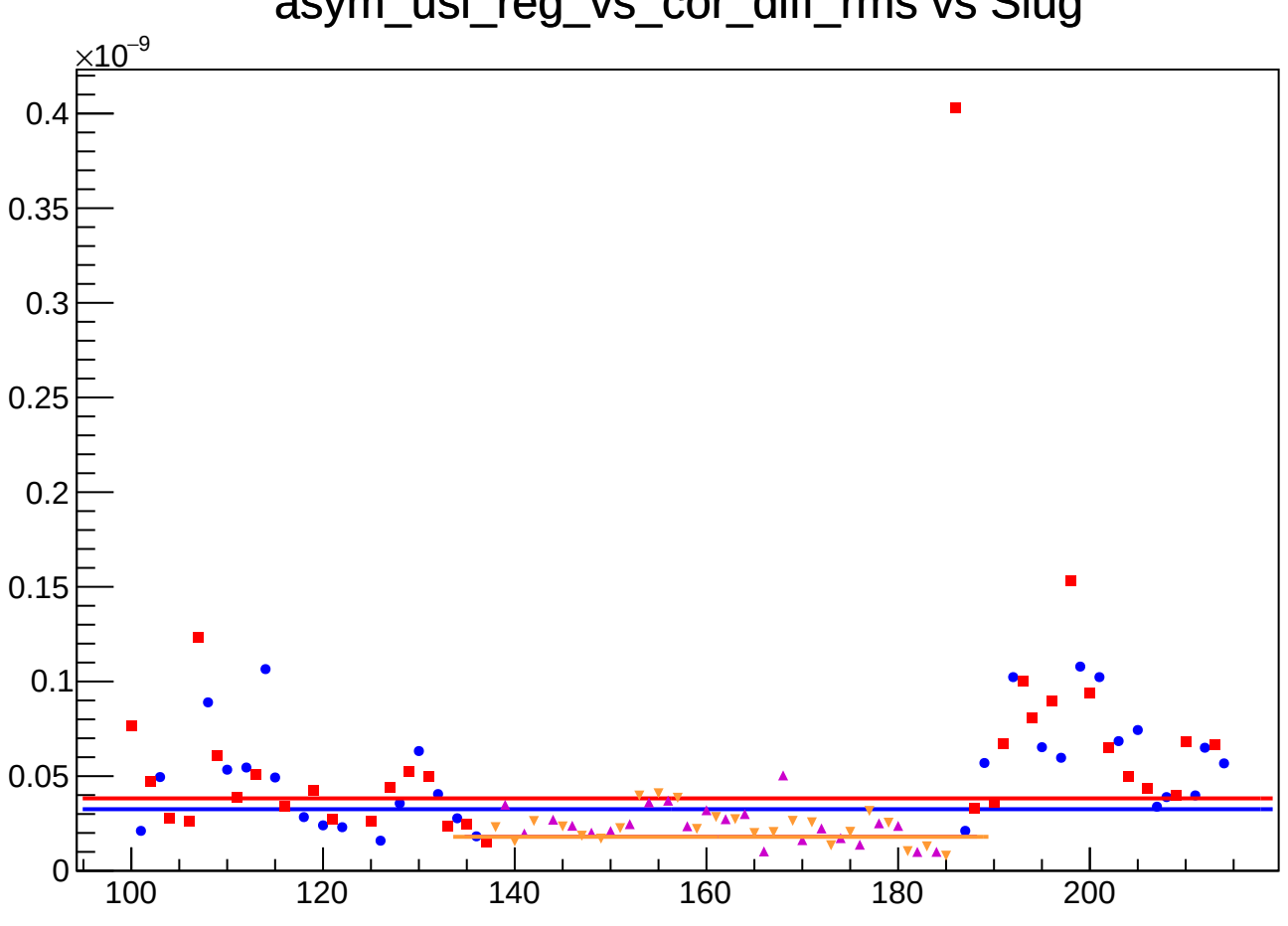
Right Out: 0.000+/-0.000 χ^2/NDF: 39.0/32

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

+ sign 0.000+/-0.000 χ^2/NDF: 36.5/53

All: 0.000+/-0.000 χ^2/NDF: 107.5/109

- sign -0.000+/-0.000 χ^2/NDF: 67.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 5517552.8/29

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4407952.9/32

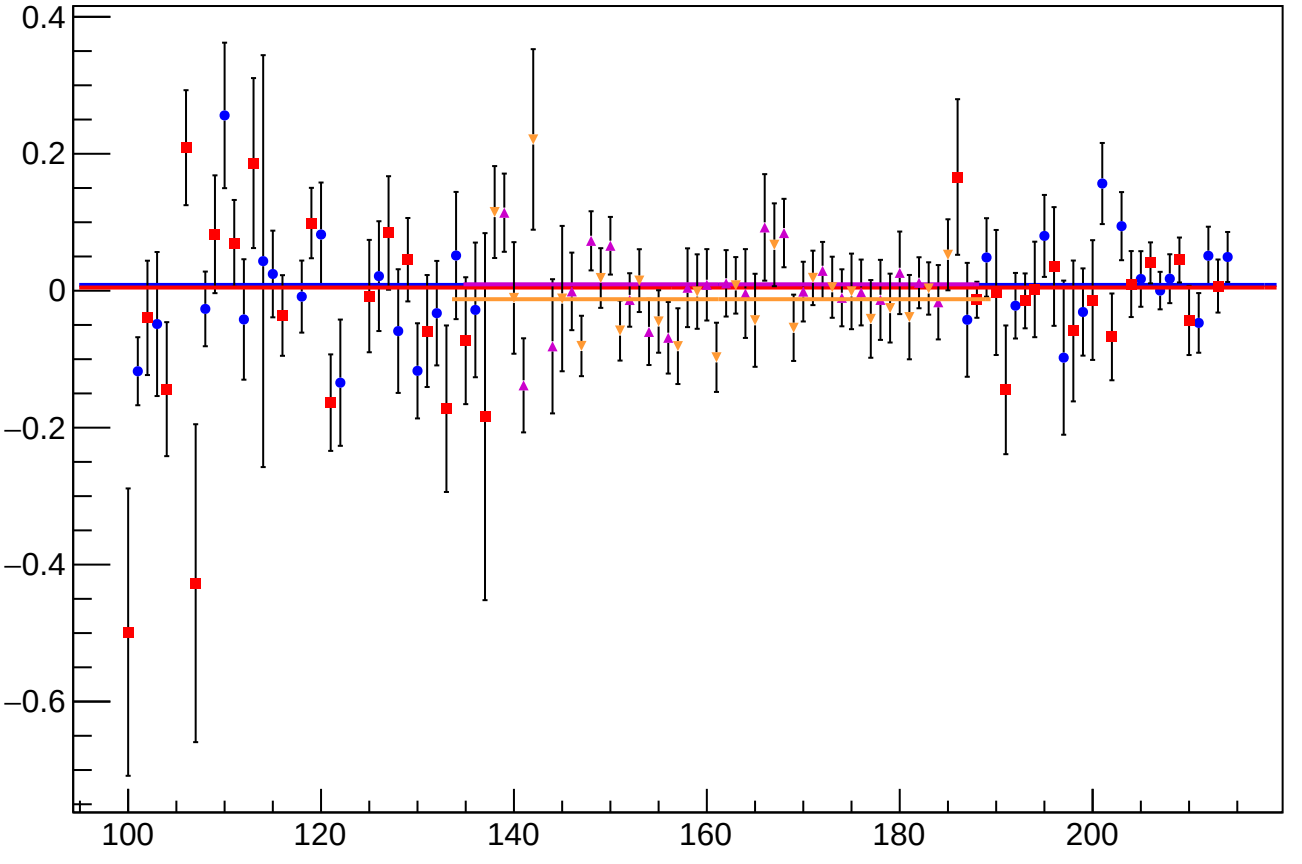
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11607831.0/53

All: 0.000+/-0.000 χ^2/NDF: 24150235.0/109

- sign 0.000+/-0.000 χ^2/NDF: 12535852.2/55

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.010 χ^2/NDF: 38.2/29

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

Right Out: 0.005+/-0.010 χ^2/NDF: 47.5/32

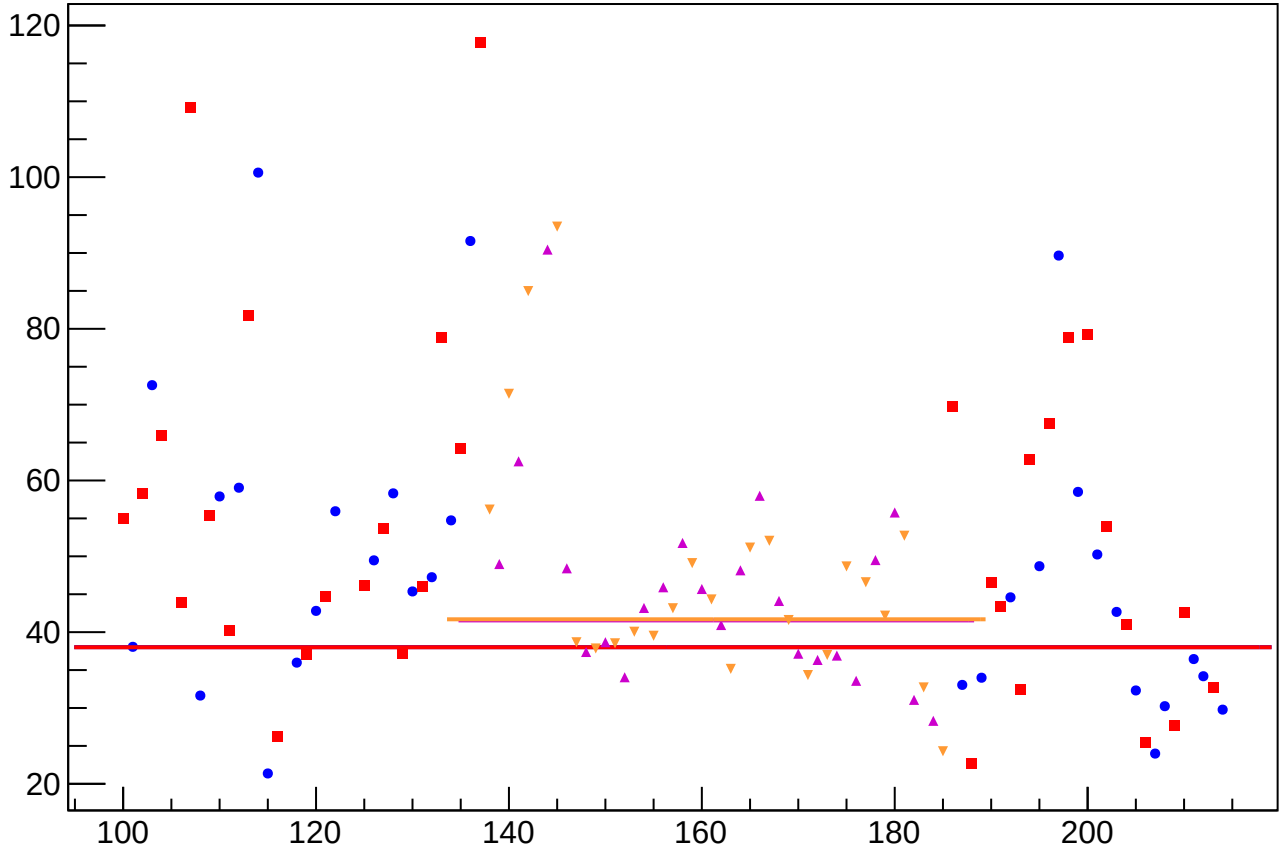
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.002+/-0.007 χ^2/NDF: 62.1/53

All: 0.003+/-0.005 χ^2/NDF: 132.4/109

- sign 0.007+/-0.007 χ^2/NDF: 69.5/55

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 38.023+/-0.007 χ^2/NDF: 3219439.9/29

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

Right Out: 38.009+/-0.007 χ^2/NDF: 4466941.0/32

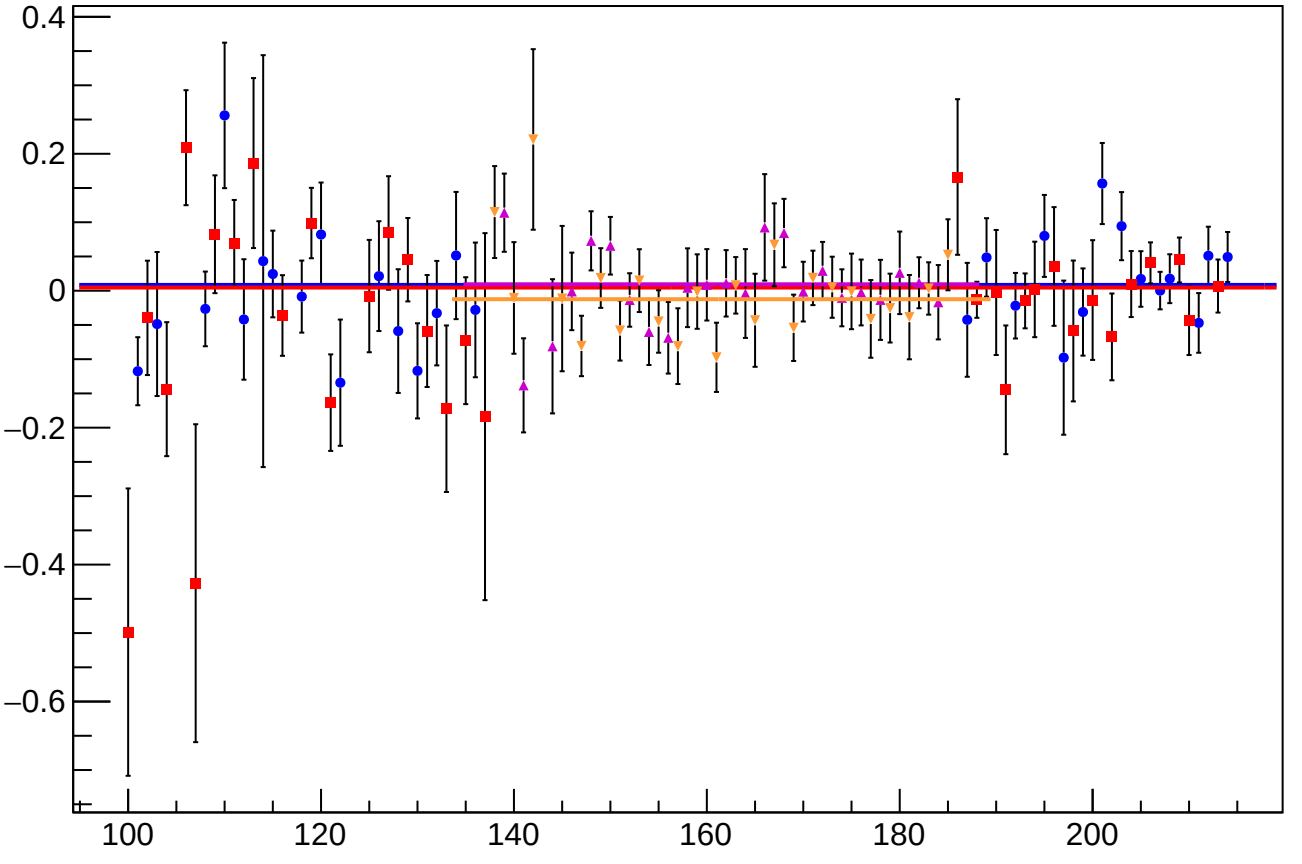
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 39.811+/-0.005 χ^2/NDF: 5166864.6/53

All: 39.782+/-0.004 χ^2/NDF: 11362773.2/109

- sign 39.753+/-0.005 χ^2/NDF: 6195847.0/55

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.010 χ^2/NDF: 38.2/29

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

Right Out: 0.005+/-0.010 χ^2/NDF: 47.5/32

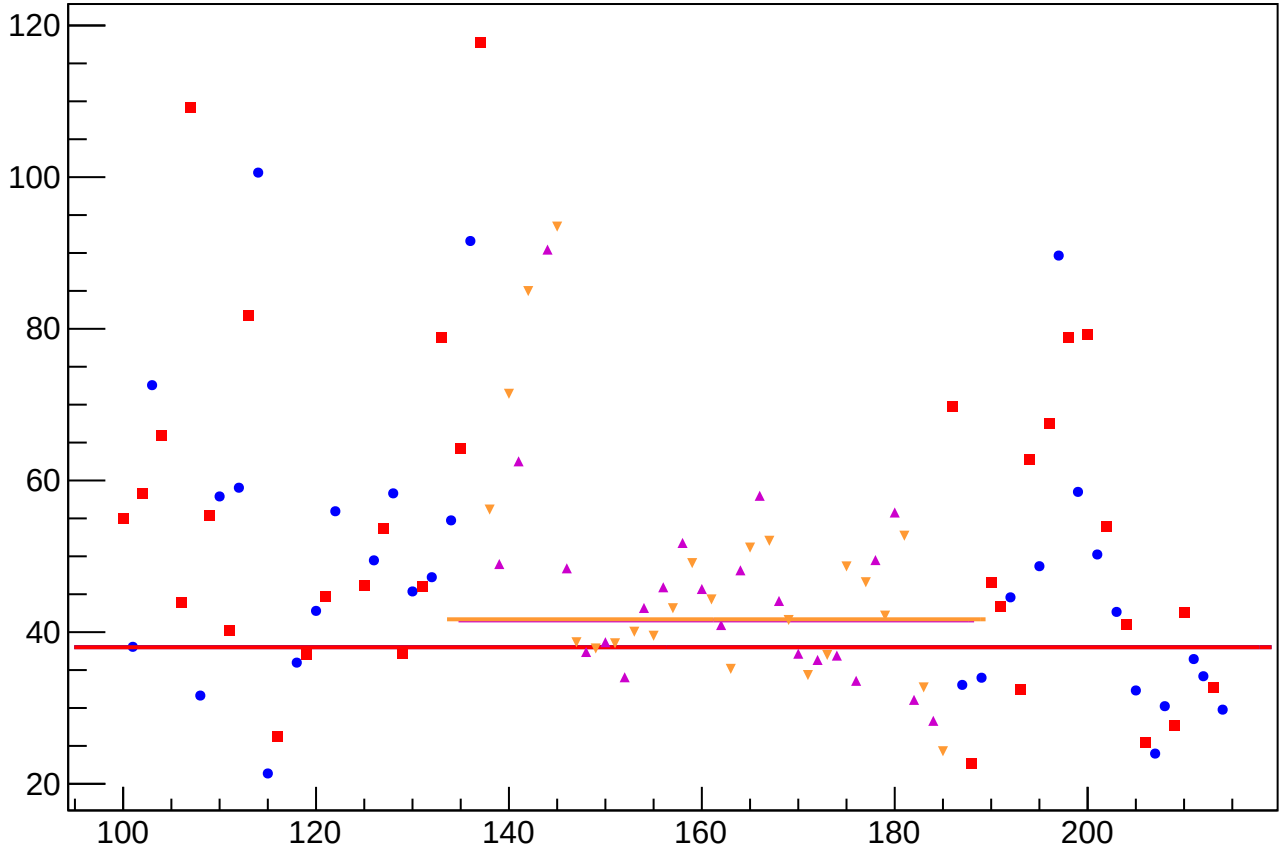
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.002+/-0.007 χ^2/NDF: 62.1/53

All: 0.003+/-0.005 χ^2/NDF: 132.4/109

- sign 0.007+/-0.007 χ^2/NDF: 69.5/55

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.023+/-0.007 χ^2/NDF: 3219439.9/29

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

Right Out: 38.009+/-0.007 χ^2/NDF: 4466941.0/32

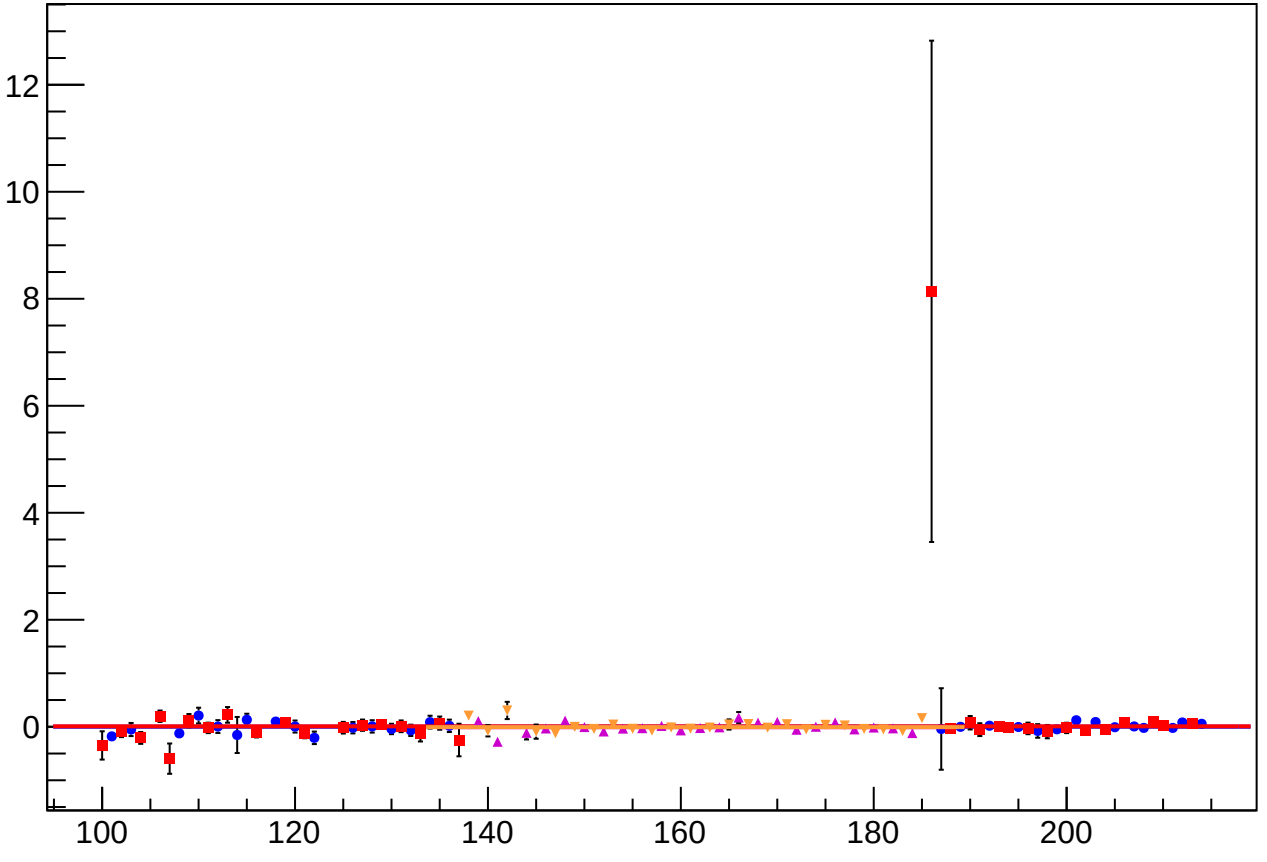
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 39.811+/-0.005 χ^2/NDF: 5166864.6/53

All: 39.782+/-0.004 χ^2/NDF: 11362773.2/109

- sign 39.753+/-0.005 χ^2/NDF: 6195847.0/55

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.001+/-0.015 χ^2/NDF: 27.4/29

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.015 χ^2/NDF: 37.1/32

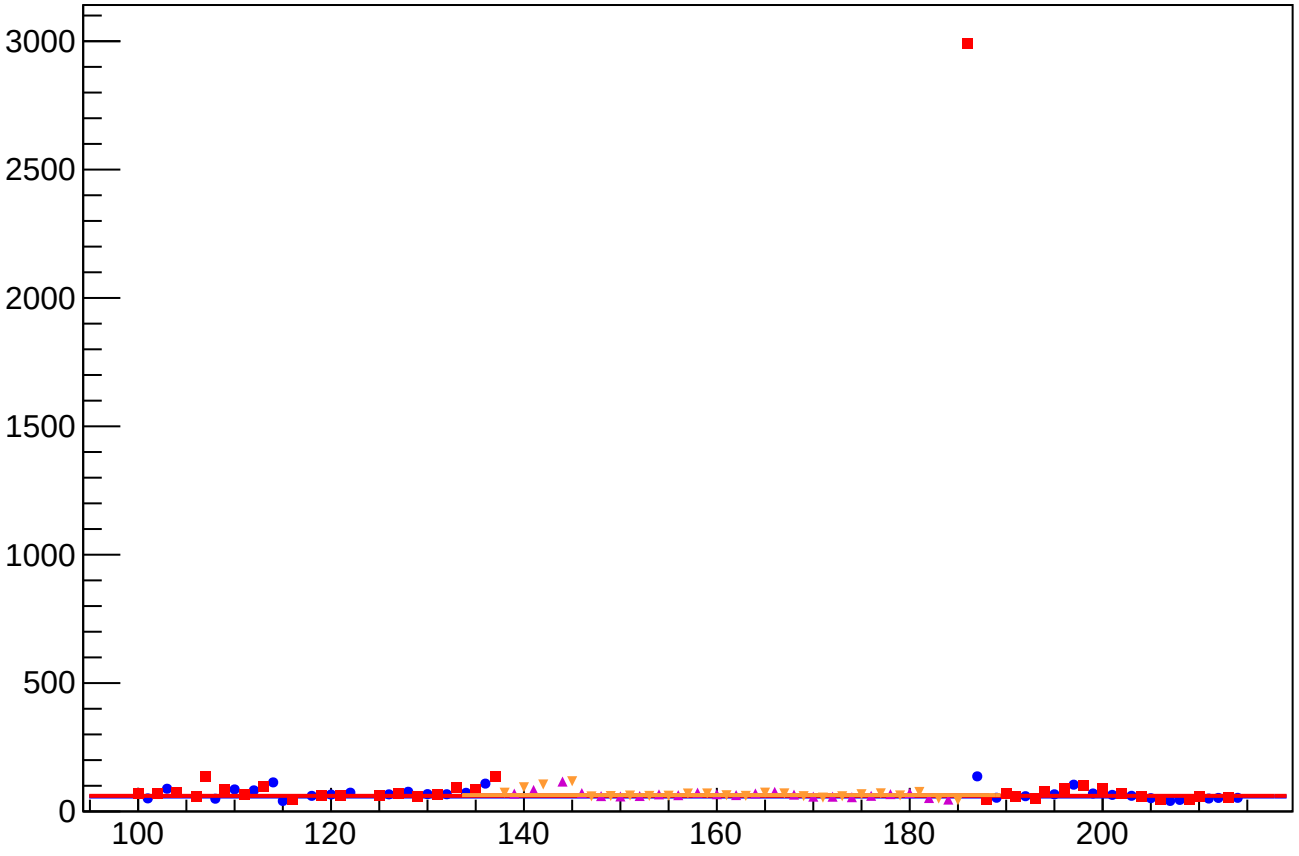
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.002+/-0.011 χ^2/NDF: 51.2/53

All: -0.001+/-0.008 χ^2/NDF: 117.1/109

- sign 0.000+/-0.011 χ^2/NDF: 65.8/55

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.040+/-0.010 χ^2/NDF: 1859943.9/29

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

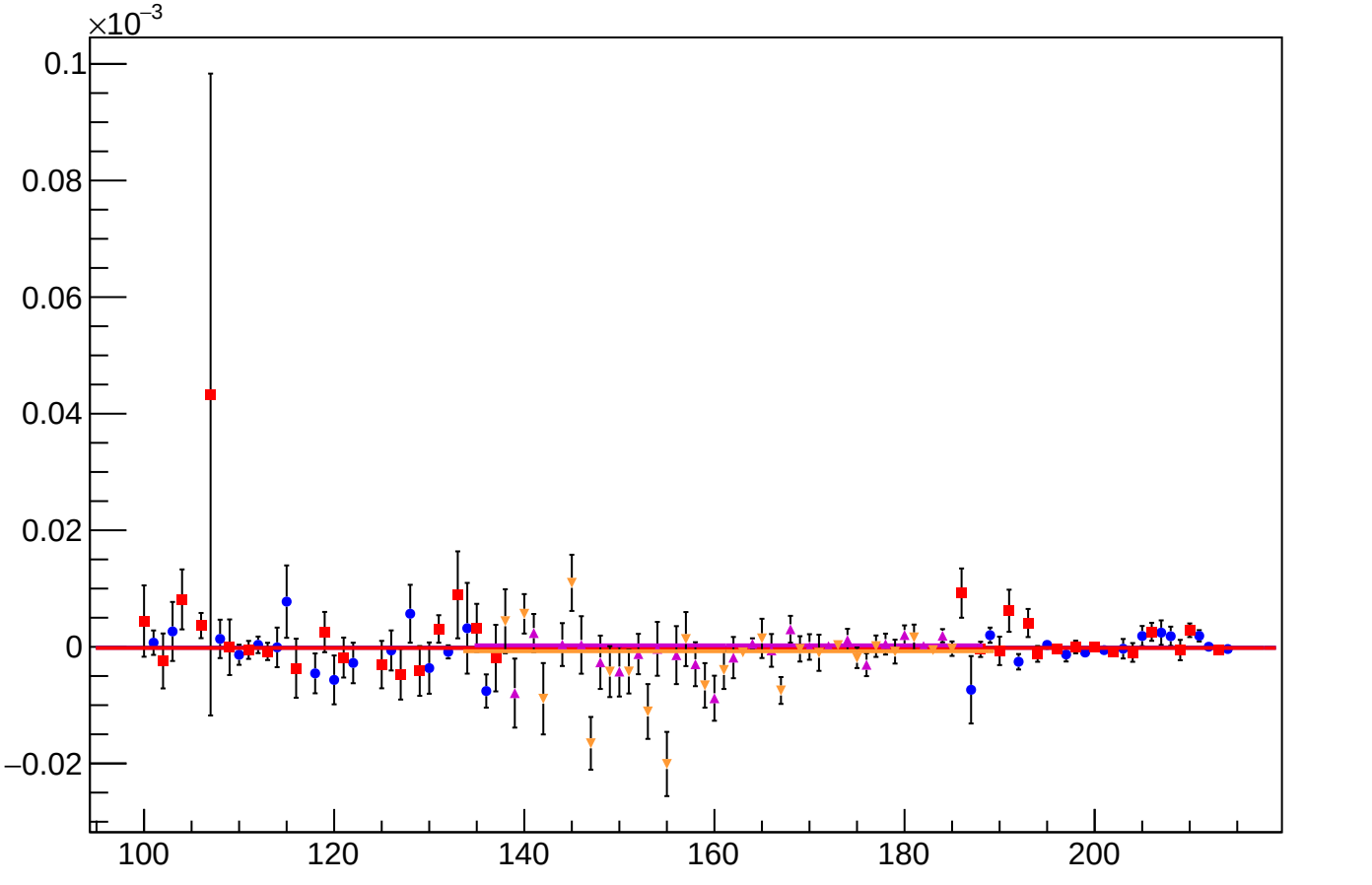
Right Out: 60.837+/-0.011 χ^2/NDF: 2745422.4/32

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

+ sign 60.774+/-0.008 χ^2/NDF: 3084043.8/53

All: 61.576+/-0.005 χ^2/NDF: 6734748.4/109

- sign 62.415+/-0.008 χ^2/NDF: 3627419.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/32

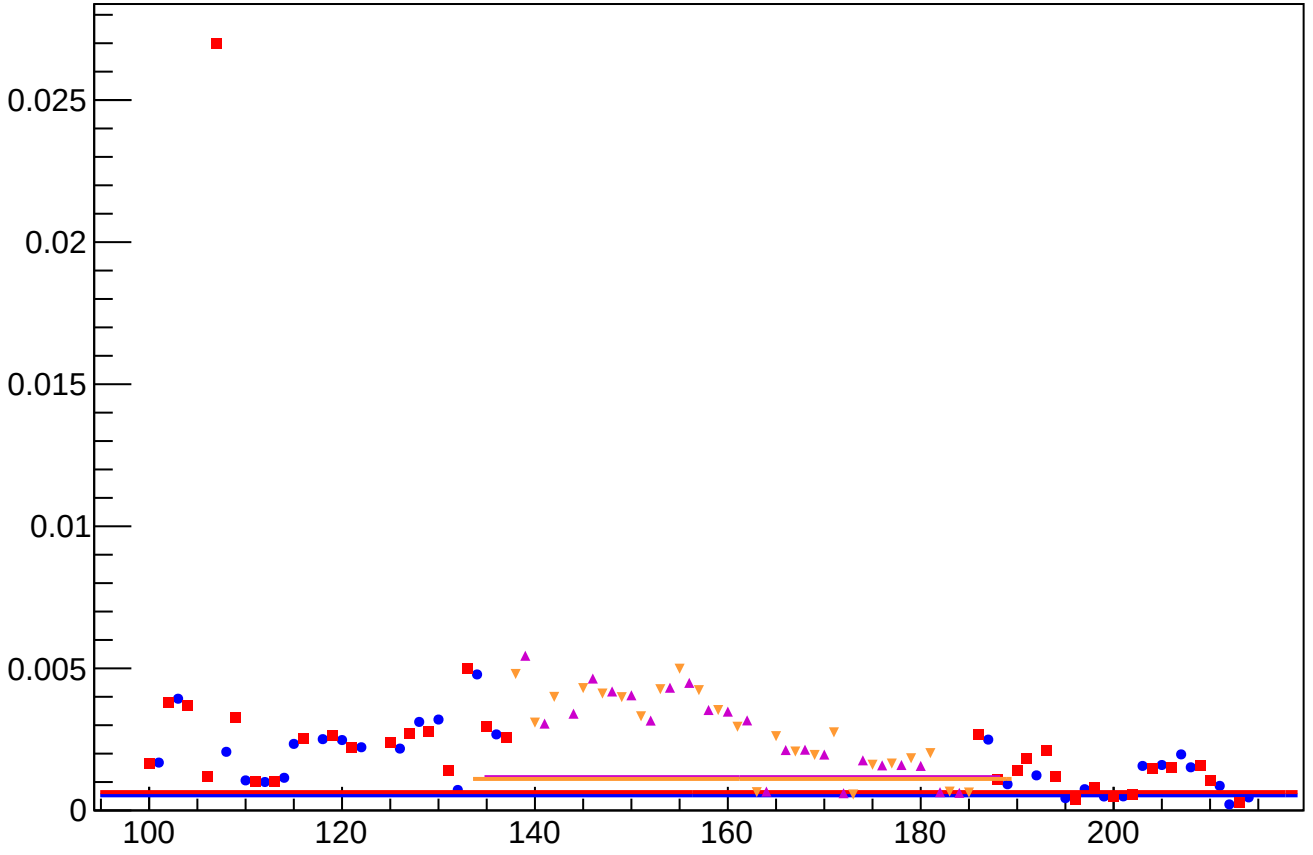
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 100.4/53

All: -0.000+/-0.000 χ^2/NDF: 160.9/109

- sign -0.000+/-0.000 χ^2/NDF: 59.8/55

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 14855647.9/29

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 14609751.7/32

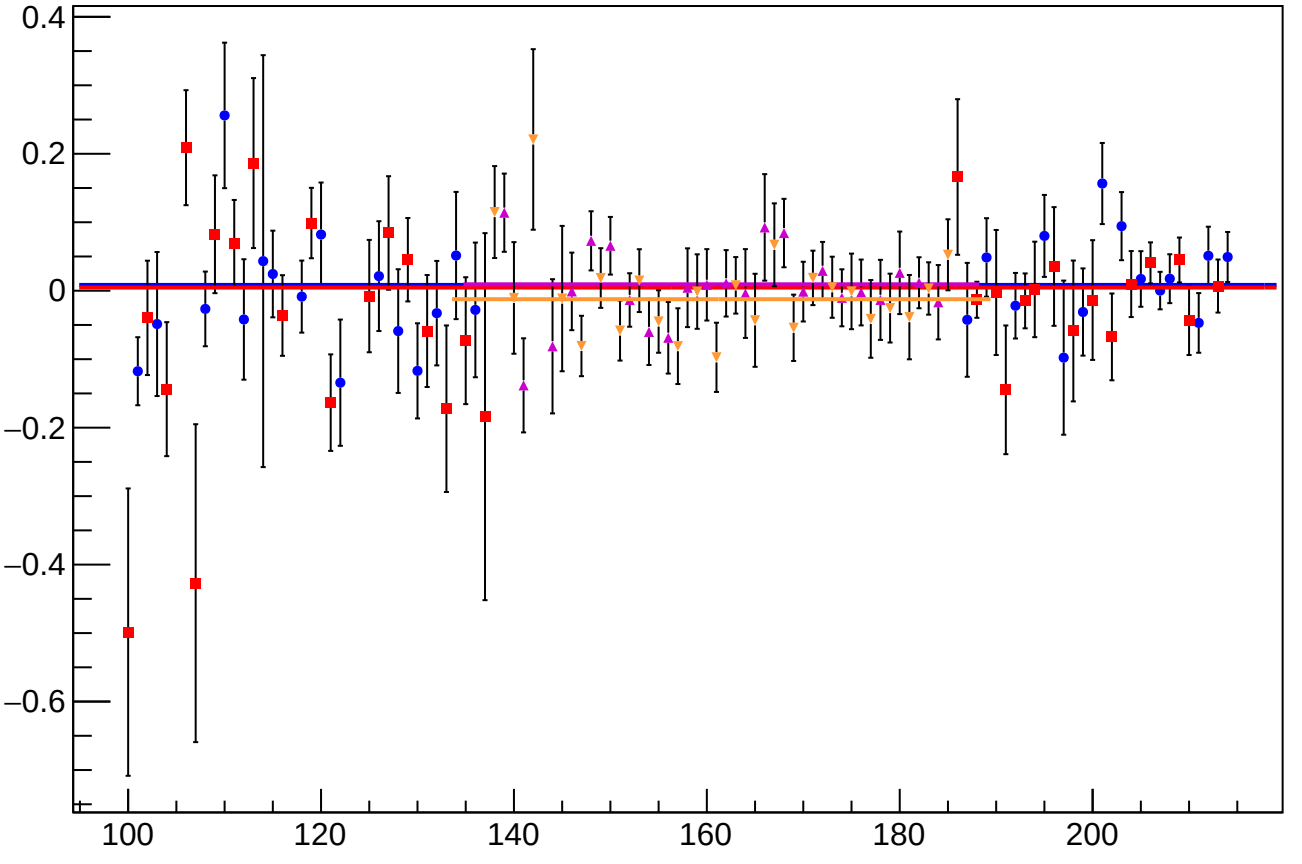
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 34554655.9/53

All: 0.001+/-0.000 χ^2/NDF: 67226055.9/109

- sign 0.001+/-0.000 χ^2/NDF: 32087773.4/55

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.010 χ^2/NDF: 38.2/29

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

Right Out: 0.005+/-0.010 χ^2/NDF: 47.5/32

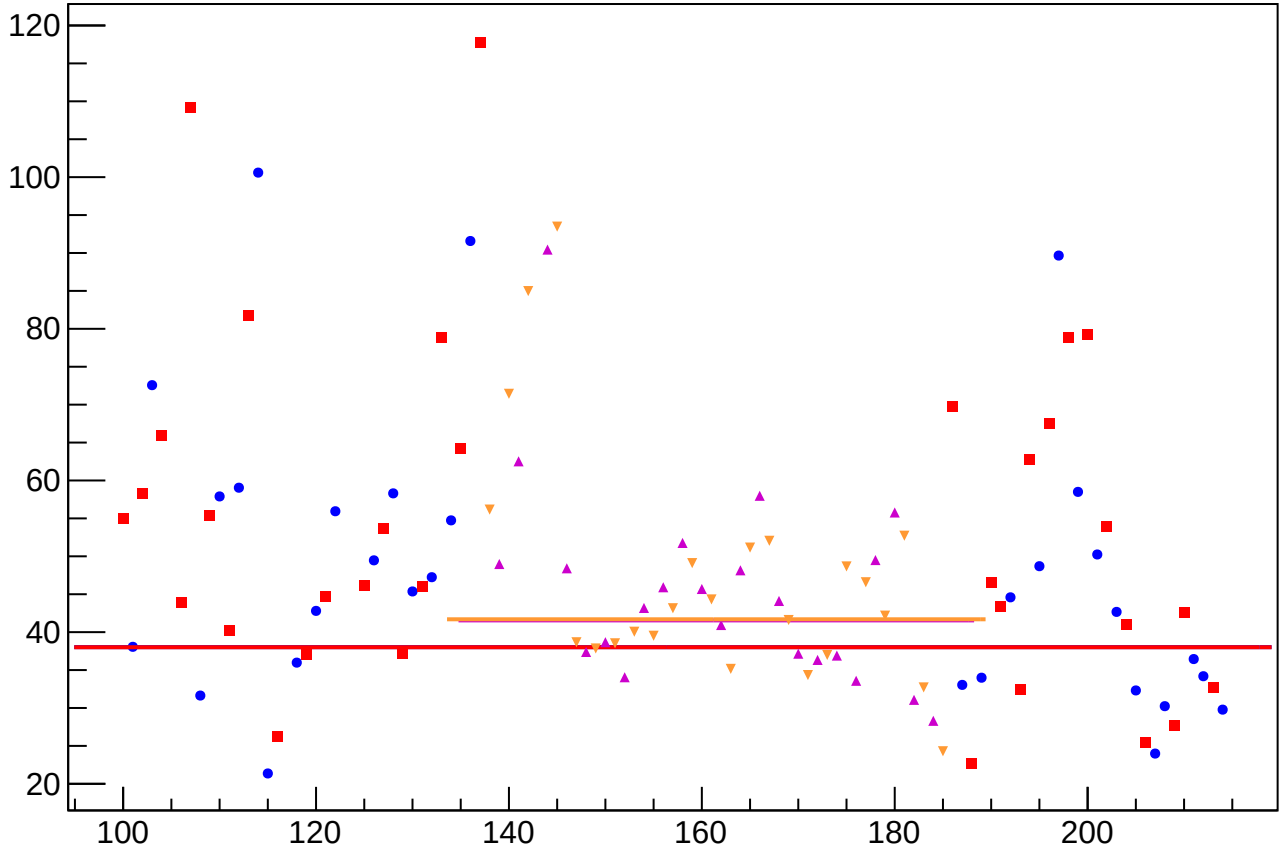
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.002+/-0.007 χ^2/NDF: 62.2/53

All: 0.003+/-0.005 χ^2/NDF: 132.4/109

- sign 0.007+/-0.007 χ^2/NDF: 69.5/55

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 38.023+/-0.007 χ^2/NDF: 3219413.0/29

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

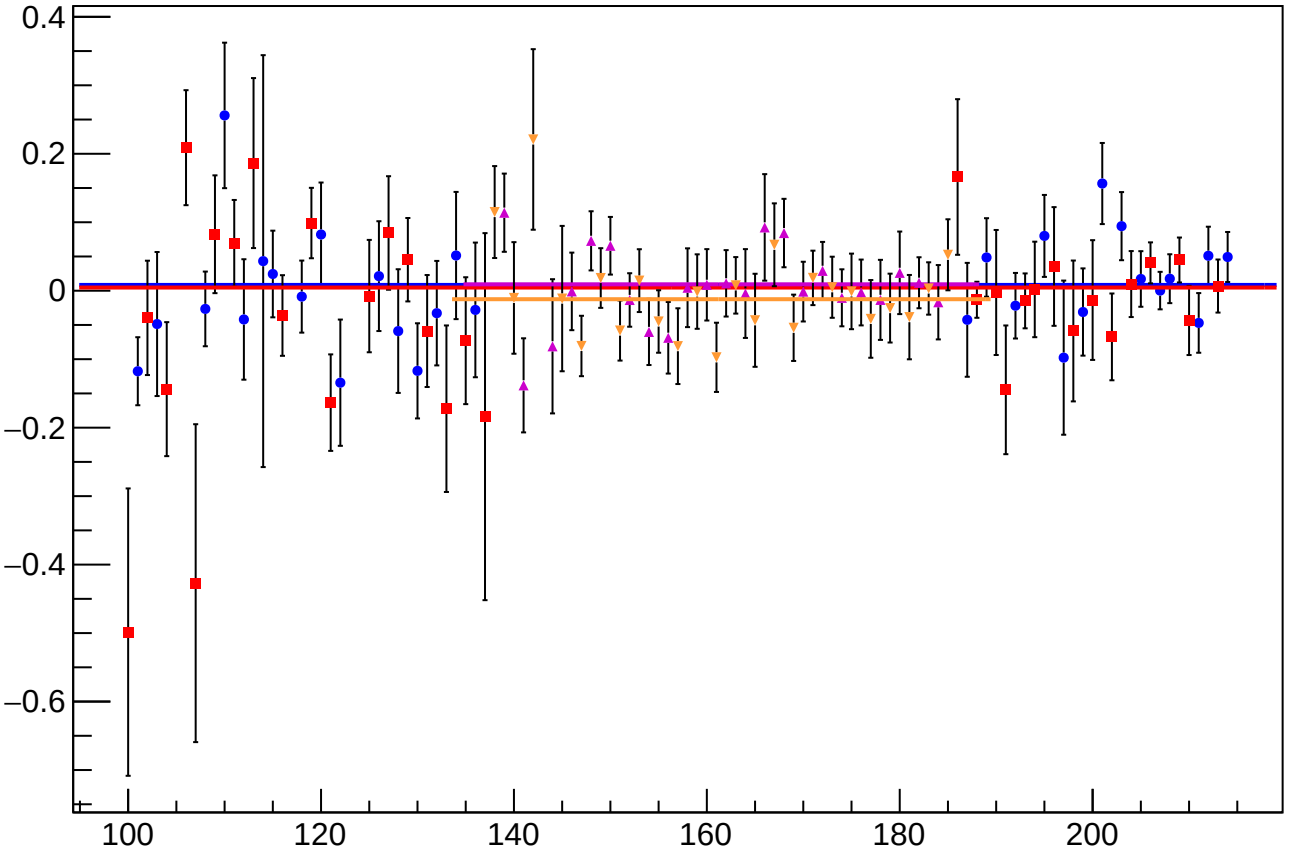
Right Out: 38.009+/-0.007 χ^2/NDF: 4466823.2/32

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

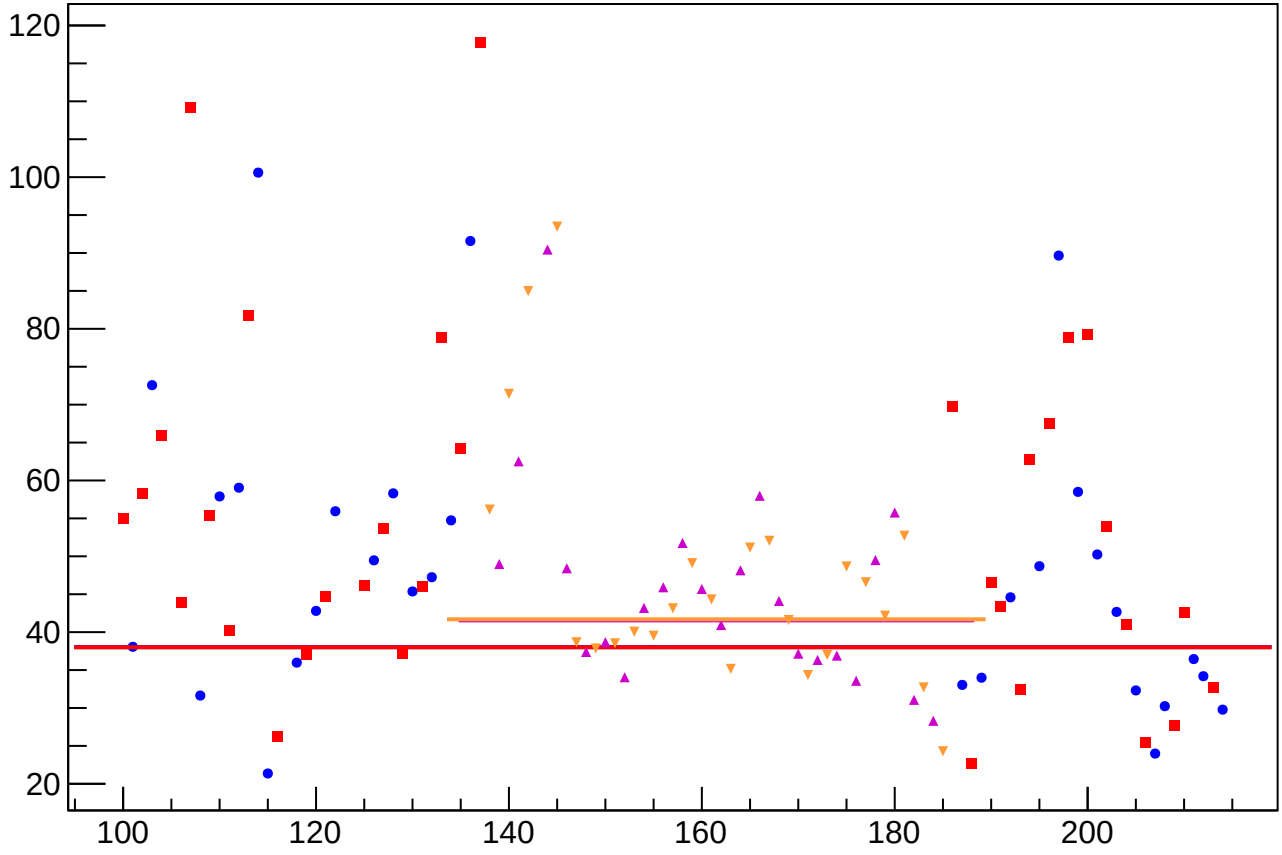
+ sign 39.811+/-0.005 χ^2/NDF: 5166819.9/53

All: 39.782+/-0.004 χ^2/NDF: 11362590.4/109

- sign 39.753+/-0.005 χ^2/NDF: 6195709.2/55


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.008+/-0.010 χ²/NDF: 38.2/29
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.005+/-0.010 χ²/NDF: 47.5/32
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.002+/-0.007 χ²/NDF: 62.2/53
All: 0.003+/-0.005 χ²/NDF: 132.4/109
- sign 0.007+/-0.007 χ²/NDF: 69.5/55

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.023+/-0.007 χ^2/NDF: 3219413.0/29

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.009+/-0.007 χ^2/NDF: 4466823.2/32

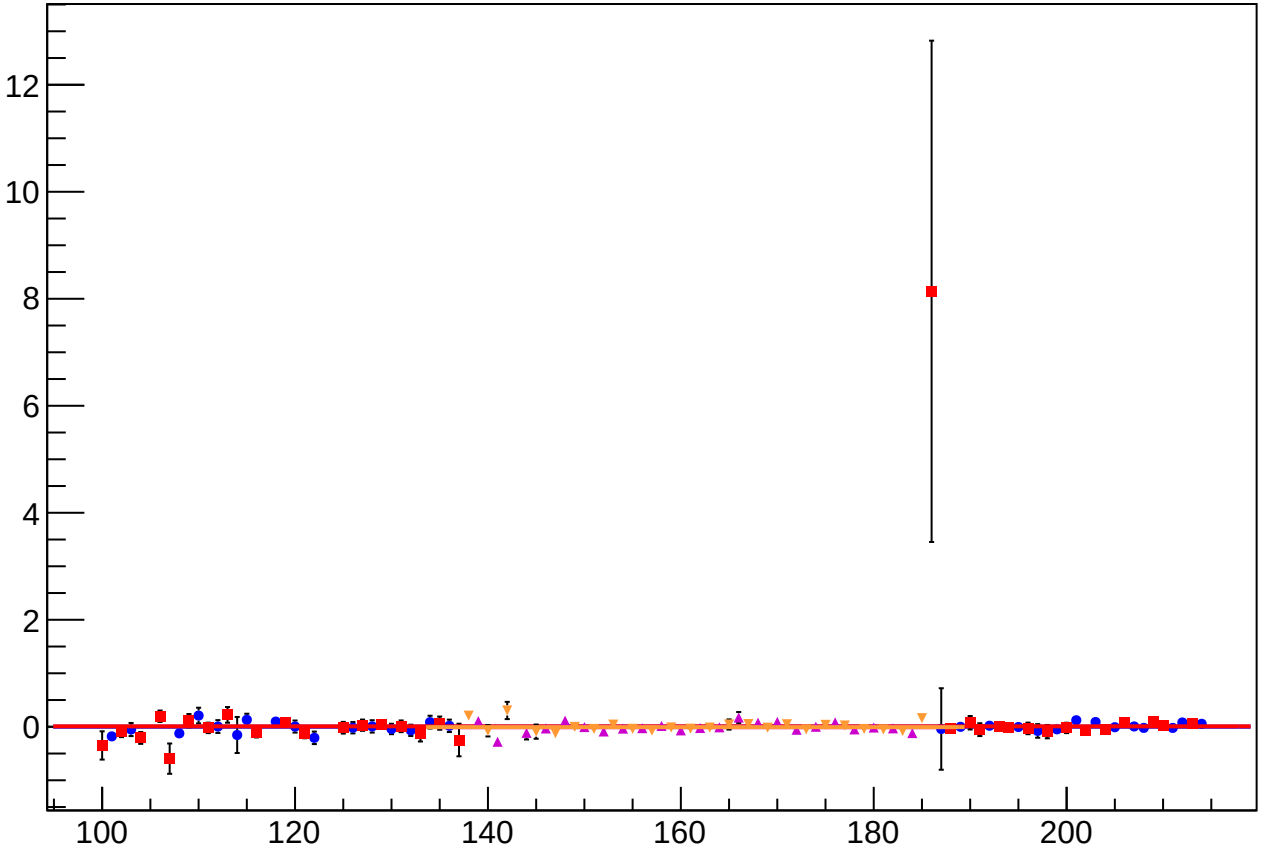
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 39.811+/-0.005 χ^2/NDF: 5166819.9/53

All: 39.782+/-0.004 χ^2/NDF: 11362590.4/109

- sign 39.753+/-0.005 χ^2/NDF: 6195709.2/55

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.001+/-0.015 χ^2/NDF: 27.4/29

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.008+/-0.015 χ^2/NDF: 37.1/32

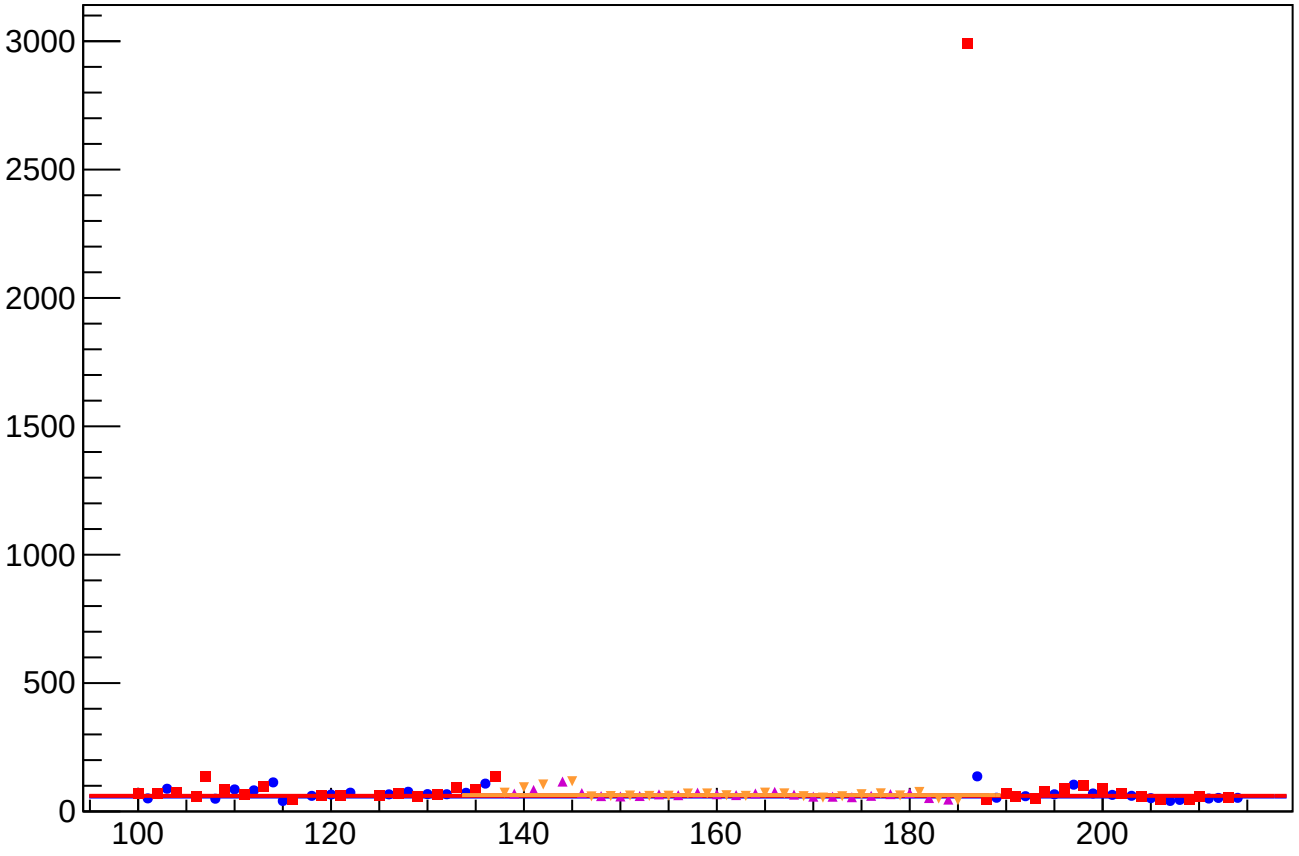
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.002+/-0.011 χ^2/NDF: 51.2/53

All: -0.001+/-0.008 χ^2/NDF: 117.1/109

- sign 0.000+/-0.011 χ^2/NDF: 65.8/55

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 58.040+/-0.010 χ^2/NDF: 1859934.5/29

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

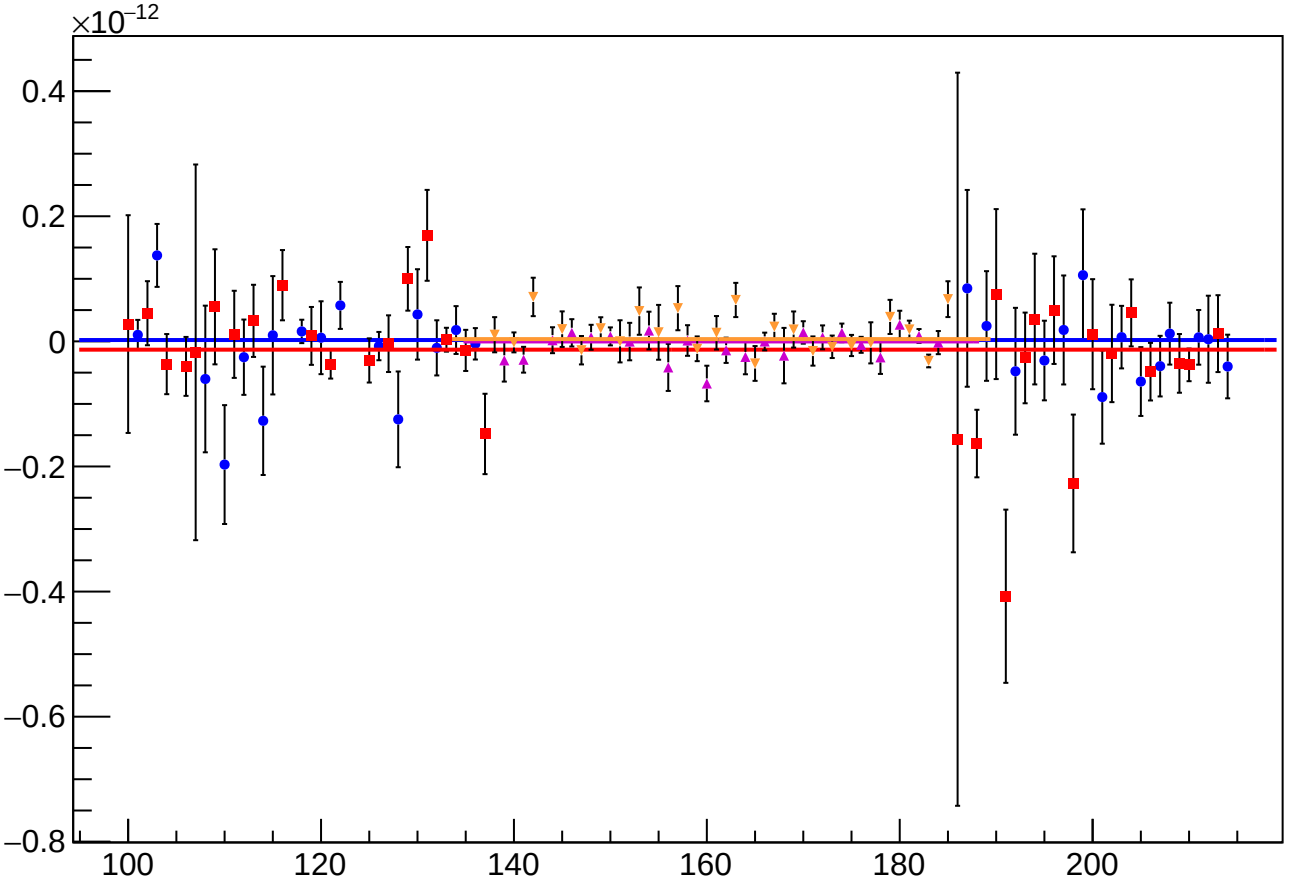
Right Out: 60.837+/-0.011 χ^2/NDF: 2745393.5/32

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

+ sign 60.774+/-0.008 χ^2/NDF: 3084032.5/53

All: 61.576+/-0.005 χ^2/NDF: 6734713.0/109

- sign 62.415+/-0.008 χ^2/NDF: 3627395.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 48.5/32

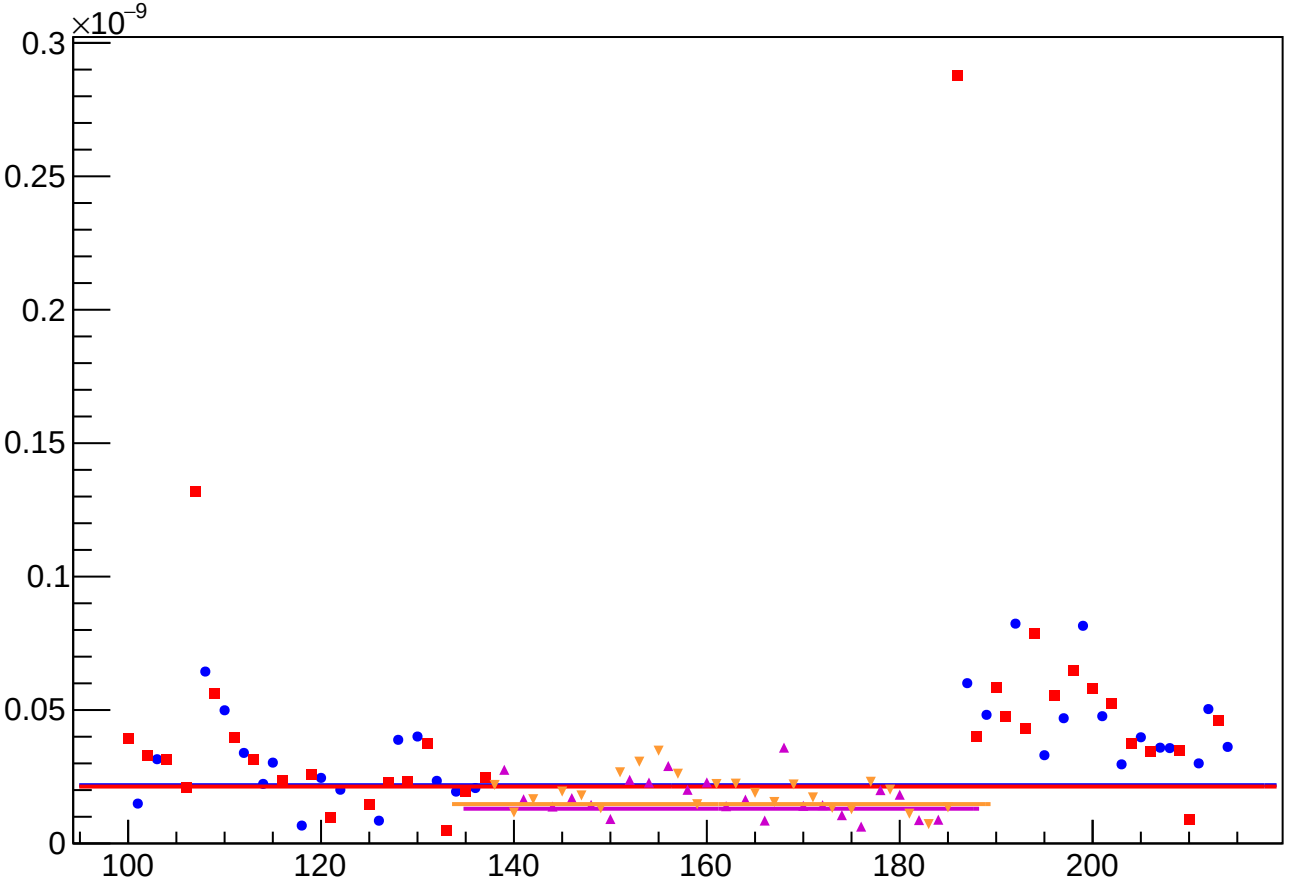
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.7/53

All: 0.000+/-0.000 χ^2/NDF: 136.6/109

- sign -0.000+/-0.000 χ^2/NDF: 67.7/55

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6305855.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7401694.8/32

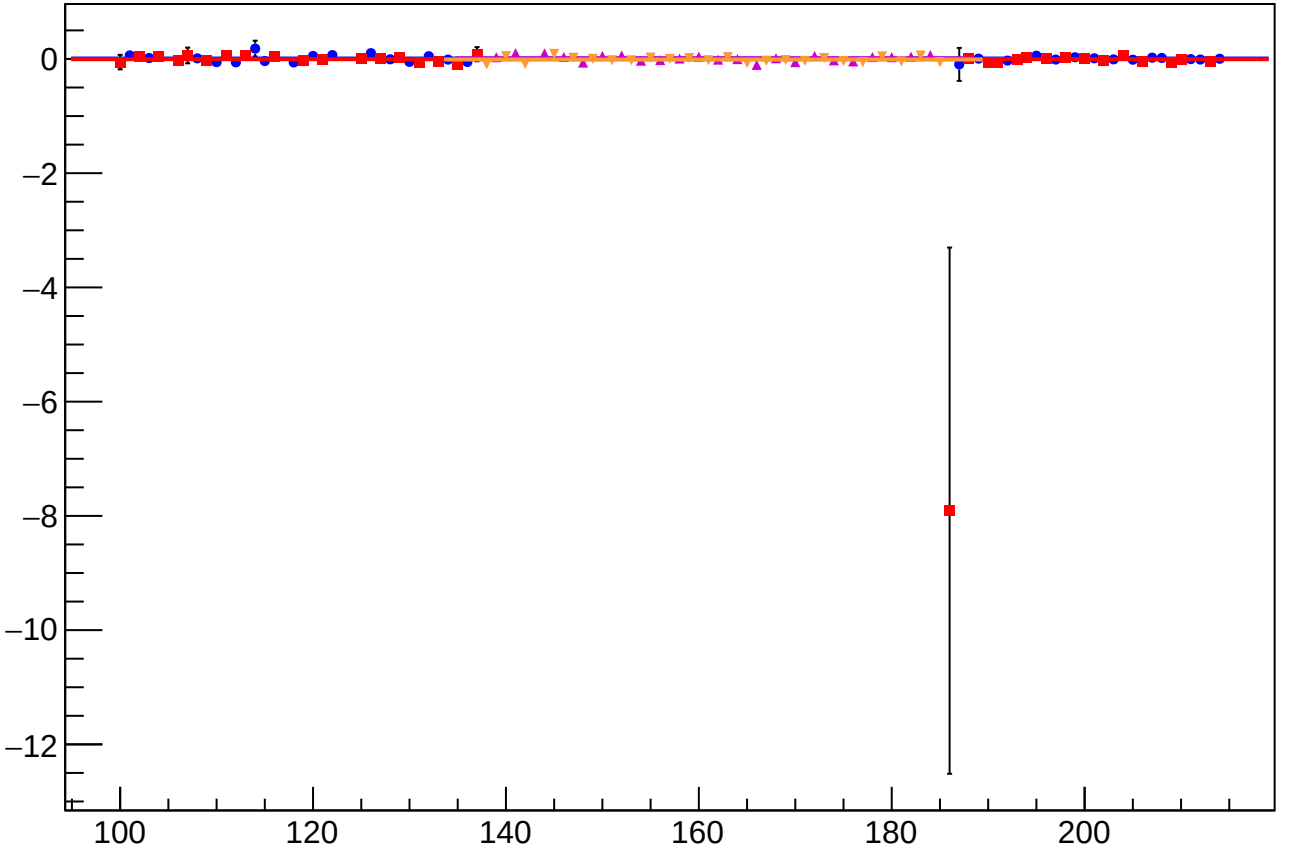
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11030519.3/53

All: 0.000+/-0.000 χ^2/NDF: 24204003.6/109

- sign 0.000+/-0.000 χ^2/NDF: 12955535.5/55

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.008 χ^2/NDF: 19.9/29

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.008 χ^2/NDF: 29.4/32

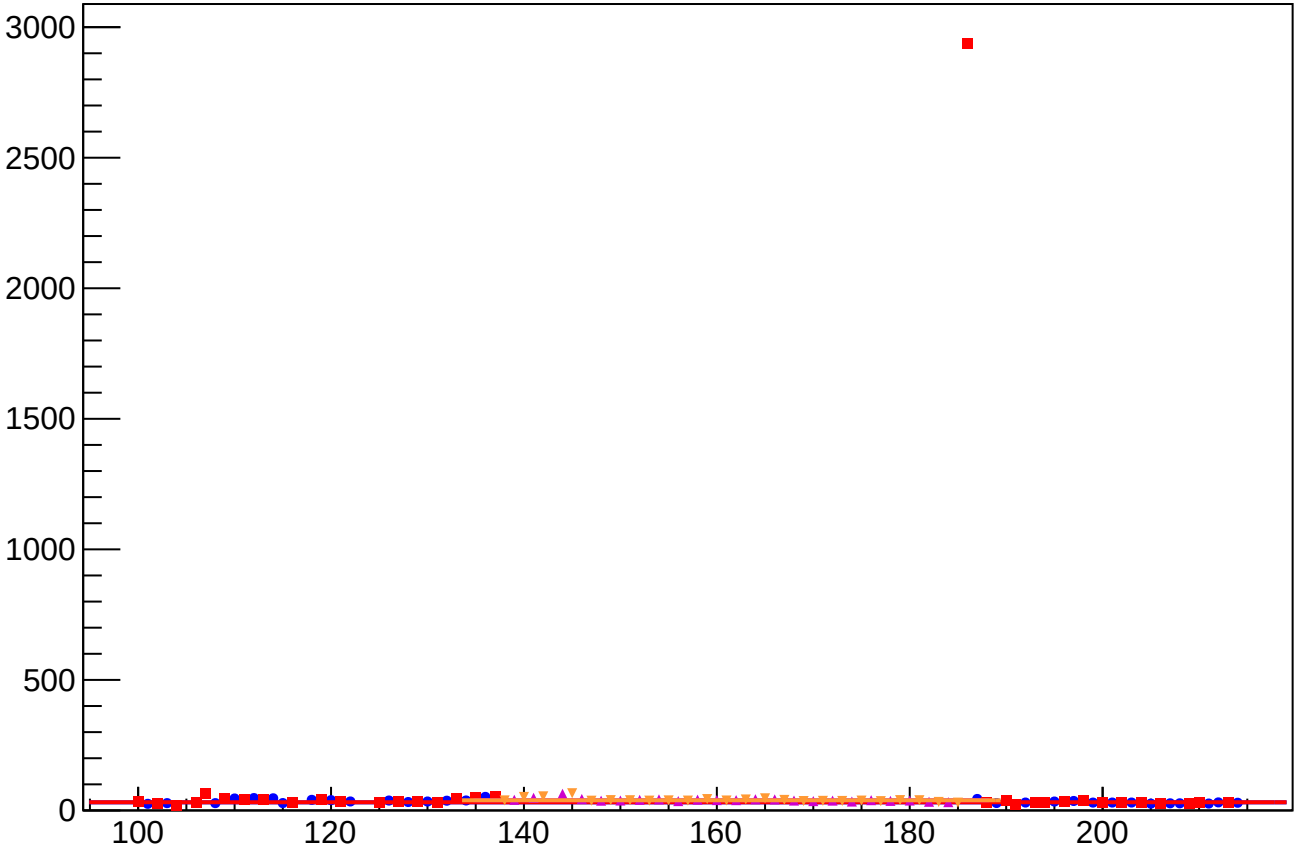
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

\+ sign 0.000+/-0.006 χ^2/NDF: 41.3/53

All: 0.001+/-0.004 χ^2/NDF: 95.6/109

\- sign 0.002+/-0.006 χ^2/NDF: 54.3/55

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 31.003+/-0.005 χ^2/NDF: 966742.1/29

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

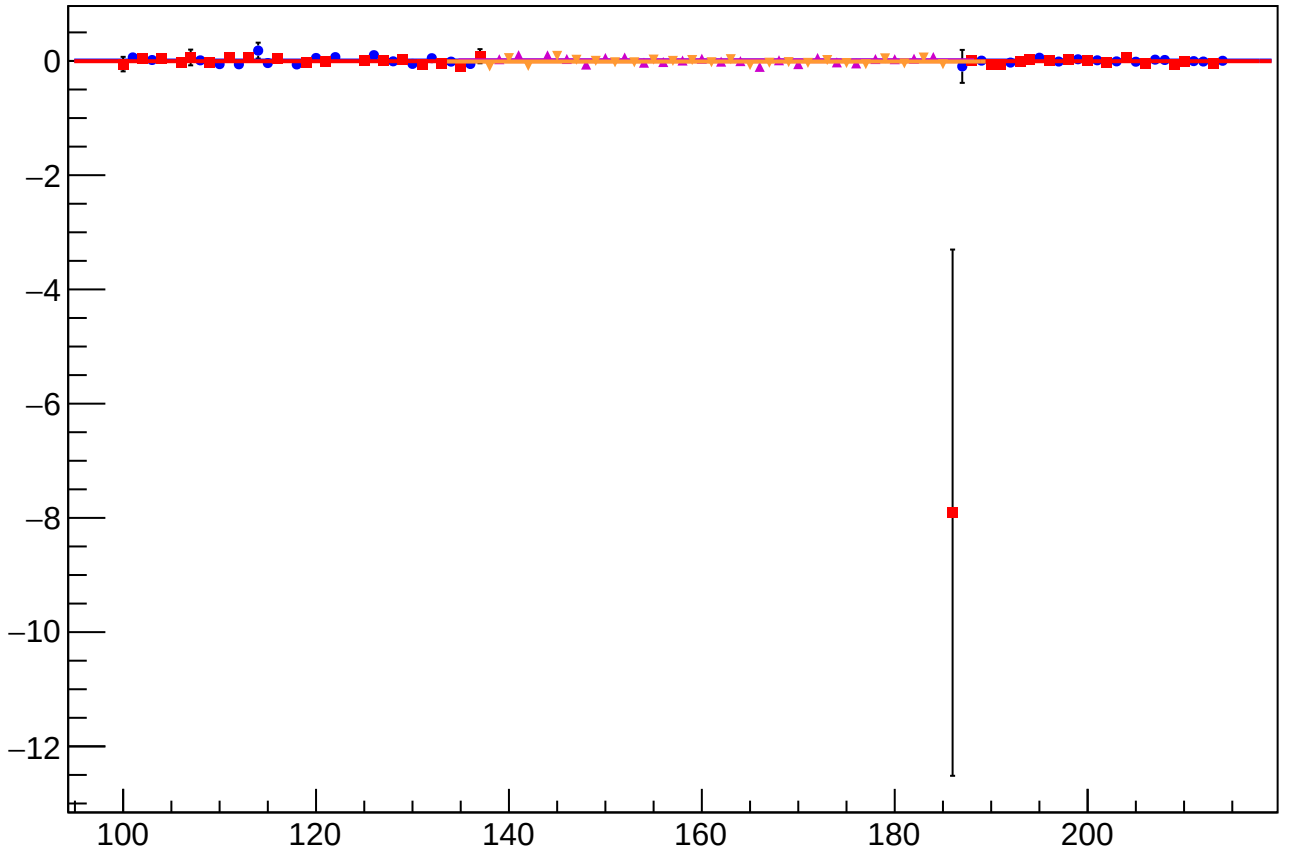
Right Out: 31.437+/-0.006 χ^2/NDF: 1986337.1/32

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

+ sign 34.194+/-0.004 χ^2/NDF: 2441446.0/53

All: 34.357+/-0.003 χ^2/NDF: 5741449.0/109

- sign 34.522+/-0.004 χ^2/NDF: 3297025.0/55



Right In: 0.007+/-0.008 χ^2/NDF: 19.9/29

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.008 χ^2/NDF: 29.4/32

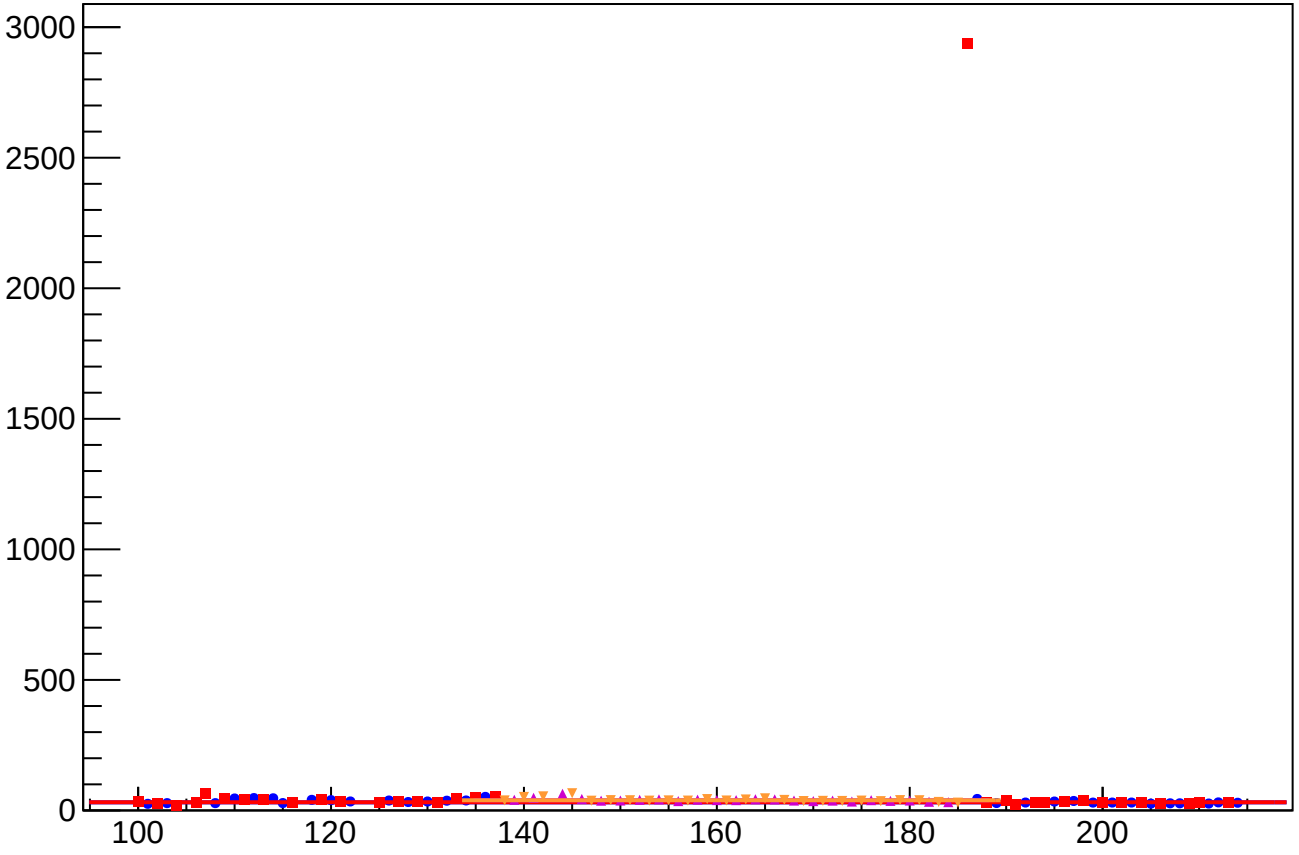
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign 0.000+/-0.006 χ^2/NDF: 41.3/53

All: 0.001+/-0.004 χ^2/NDF: 95.6/109

- sign 0.002+/-0.006 χ^2/NDF: 54.3/55

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 31.003+/-0.005 χ^2/NDF: 966742.1/29

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.437+/-0.006 χ^2/NDF: 1986337.1/32

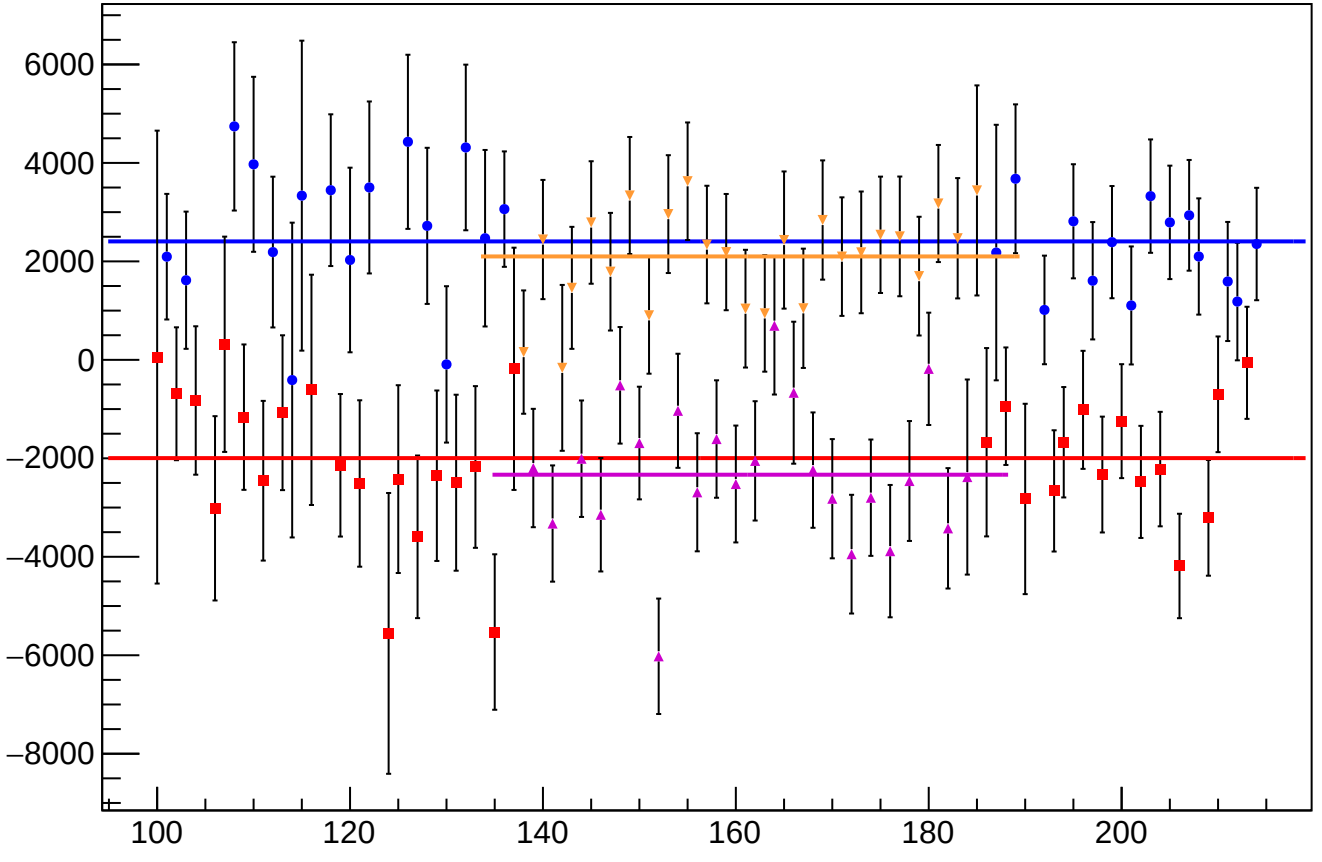
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 34.194+/-0.004 χ^2/NDF: 2441446.0/53

All: 34.357+/-0.003 χ^2/NDF: 5741449.0/109

- sign 34.522+/-0.004 χ^2/NDF: 3297025.0/55

reg_asym_usr_mean vs Slug



Right In: 2405.826+/-254.449 χ^2/NDF: 16.8/29

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1995.846+/-253.046 χ^2/NDF: 24.8/32

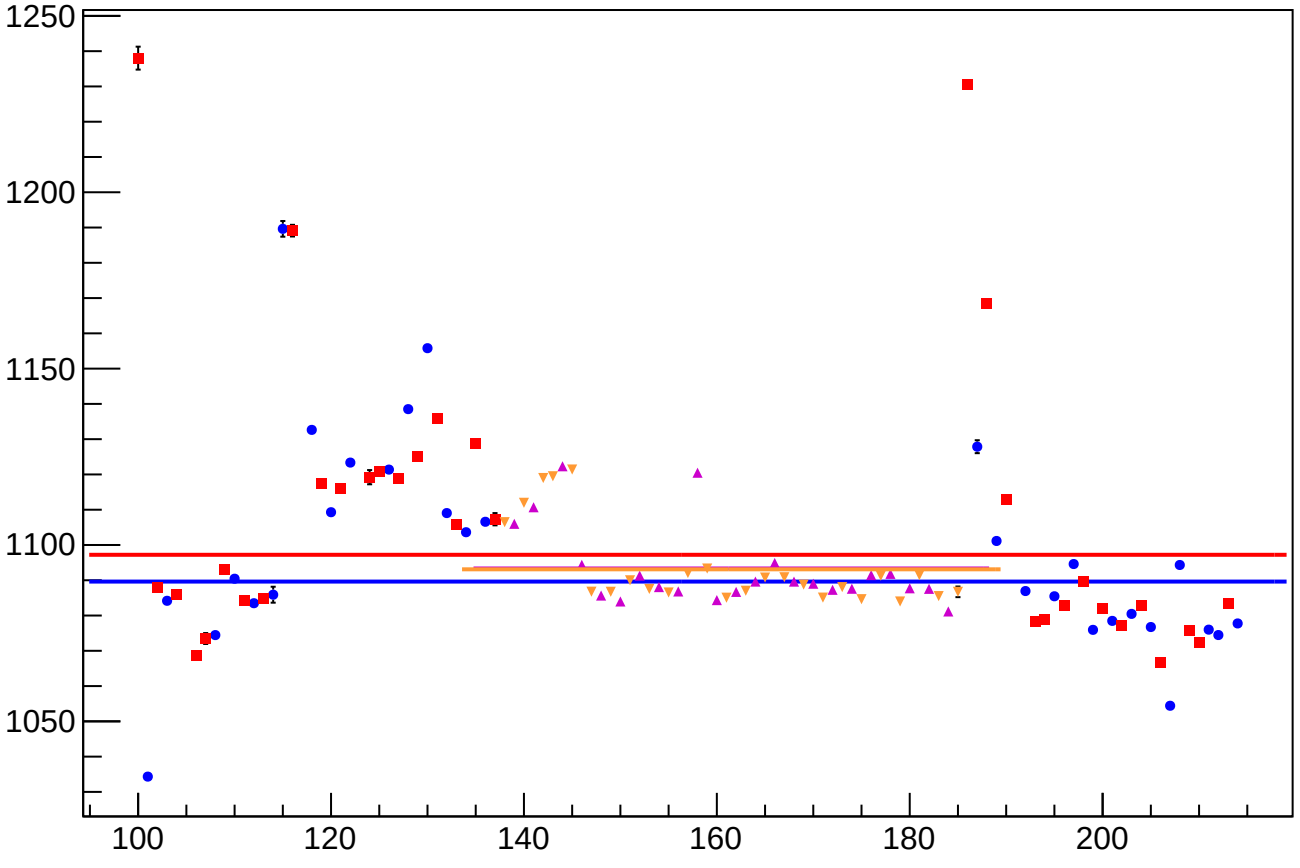
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2249.381+/-177.711 χ^2/NDF: 31.4/54

All: 67.991+/-126.364 χ^2/NDF: 391.3/110

- sign -2162.916+/-179.717 χ^2/NDF: 55.1/55

reg_asym_usr_rms vs Slug



Right In: 1089.628+/-0.180 χ^2/NDF: 19595.2/29

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

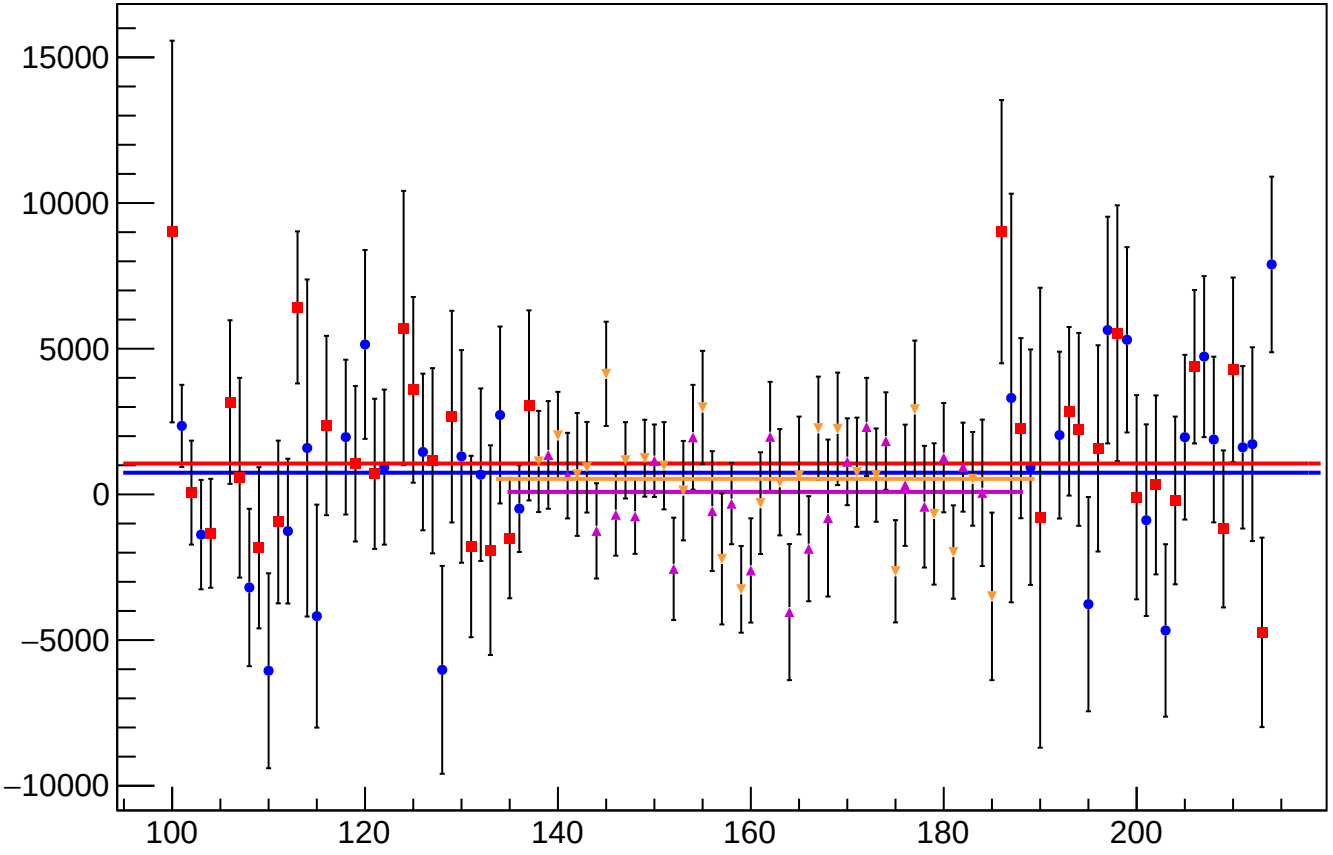
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1091.407+/-0.126 χ^2/NDF: 23769.4/54

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110

- sign 1095.296+/-0.127 χ^2/NDF: 36985.9/55

asym_usr_reg_correction_mean vs Slug



Right In: 744.316+/-501.526 χ^2/NDF: 35.3/29

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1060.495+/-515.618 χ^2/NDF: 27.0/32

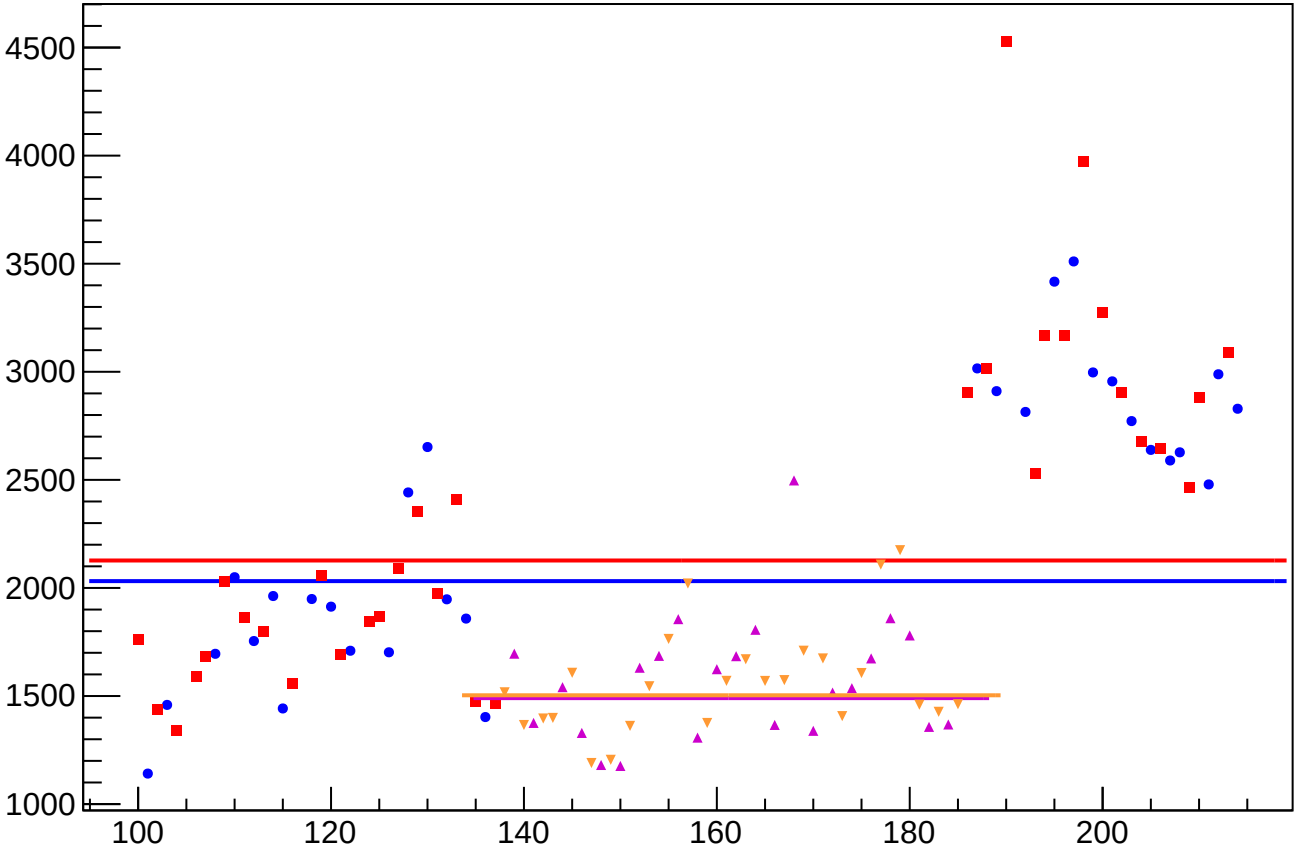
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 601.458+/-285.480 χ^2/NDF: 61.9/54

All: 501.785+/-204.064 χ^2/NDF: 109.6/110

- sign 397.649+/-291.802 χ^2/NDF: 47.5/55

asym_usr_reg_correction_rms vs Slug



Right In: 2031.596+/-0.355 χ^2/NDF: 3543428.9/29

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

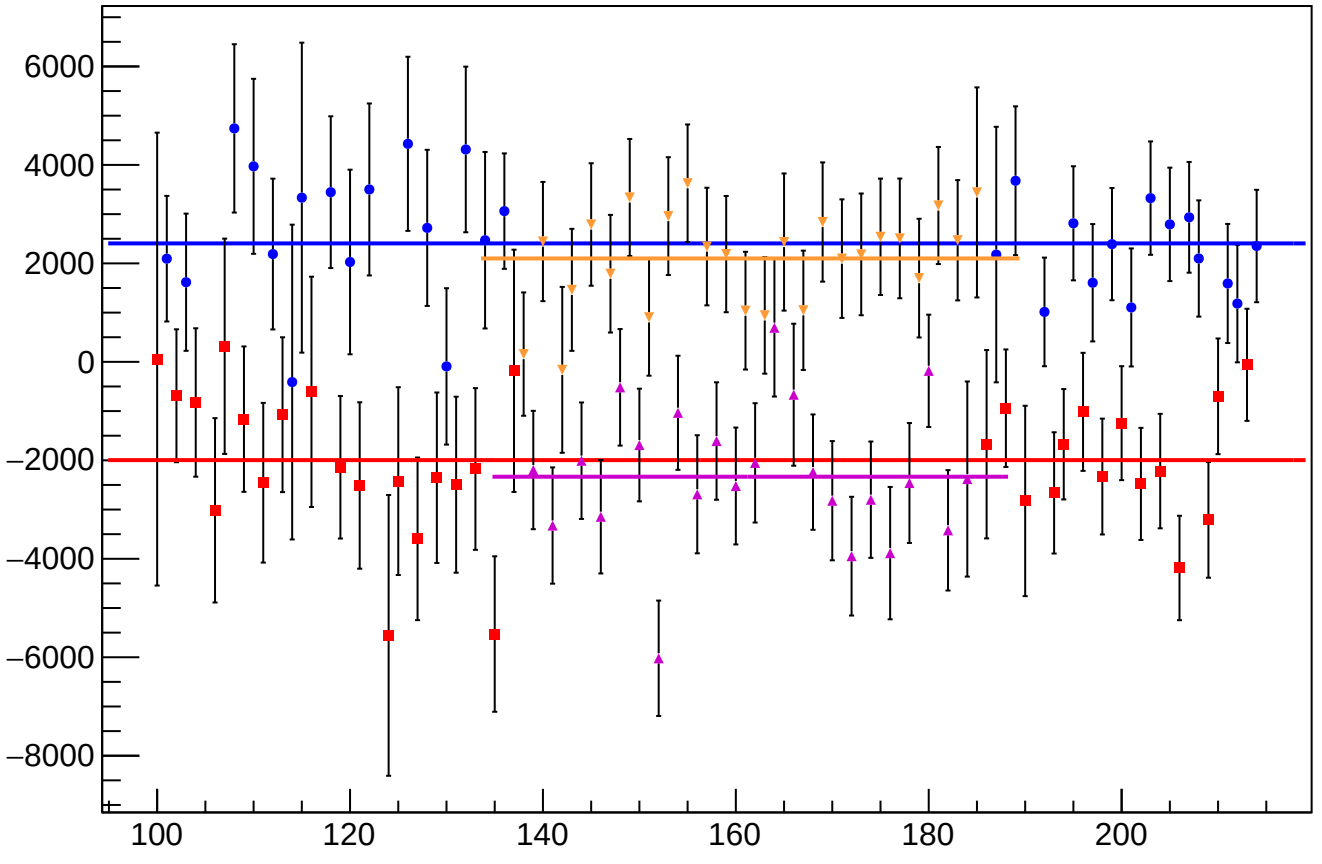
Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

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

+ sign 1674.569+/-0.202 χ^2/NDF: 5842471.4/54

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/1

- sign 1694.227+/-0.206 χ^2/NDF: 6299343.1/55



Right In: 2405.826+/-254.449 χ^2/NDF: 16.8/29

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1995.846+/-253.046 χ^2/NDF: 24.8/32

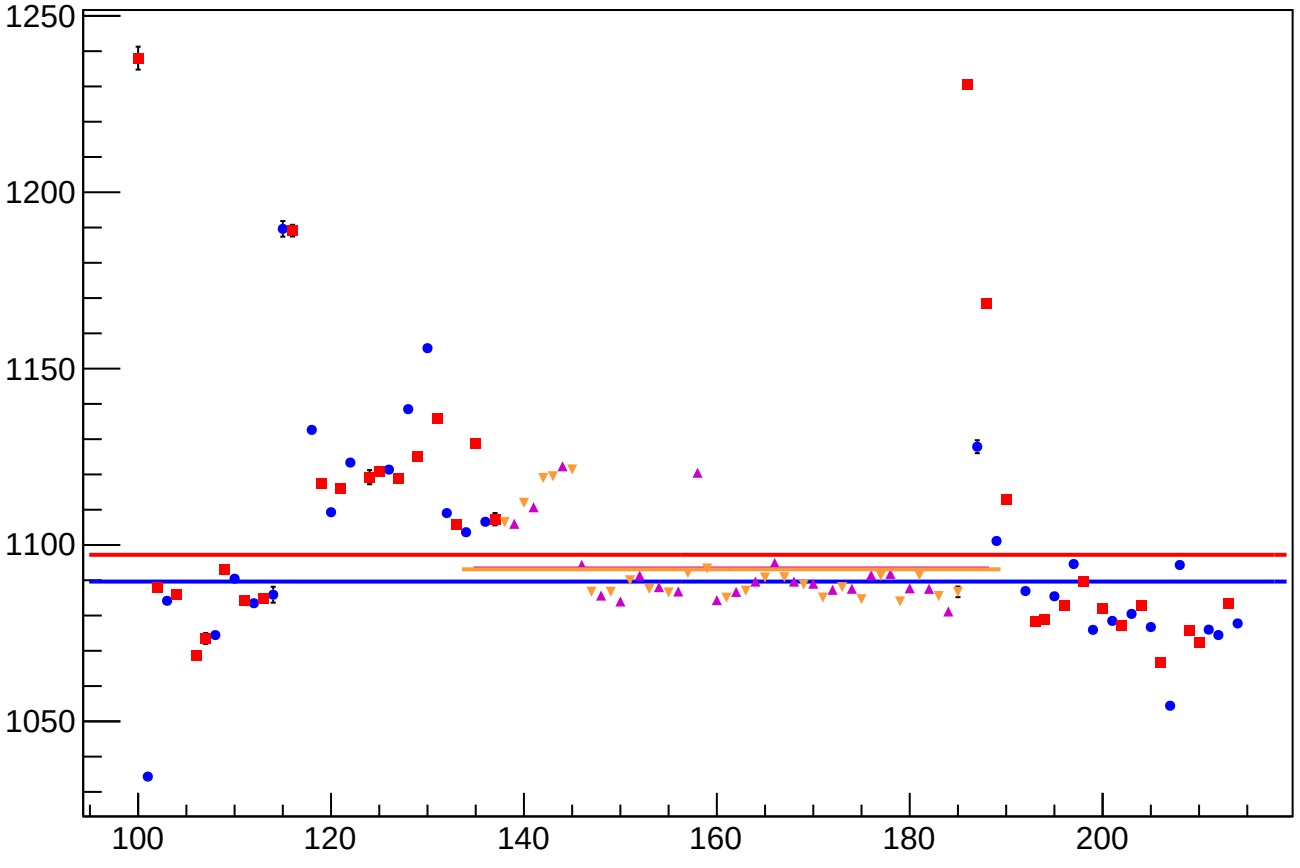
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2249.381+/-177.711 χ^2/NDF: 31.4/54

All: 67.991+/-126.364 χ^2/NDF: 391.3/110

- sign -2162.916+/-179.717 χ^2/NDF: 55.1/55

cor_asym_usr_rms vs Slug



Right In: 1089.628+/-0.180 χ^2/NDF: 19595.2/29

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

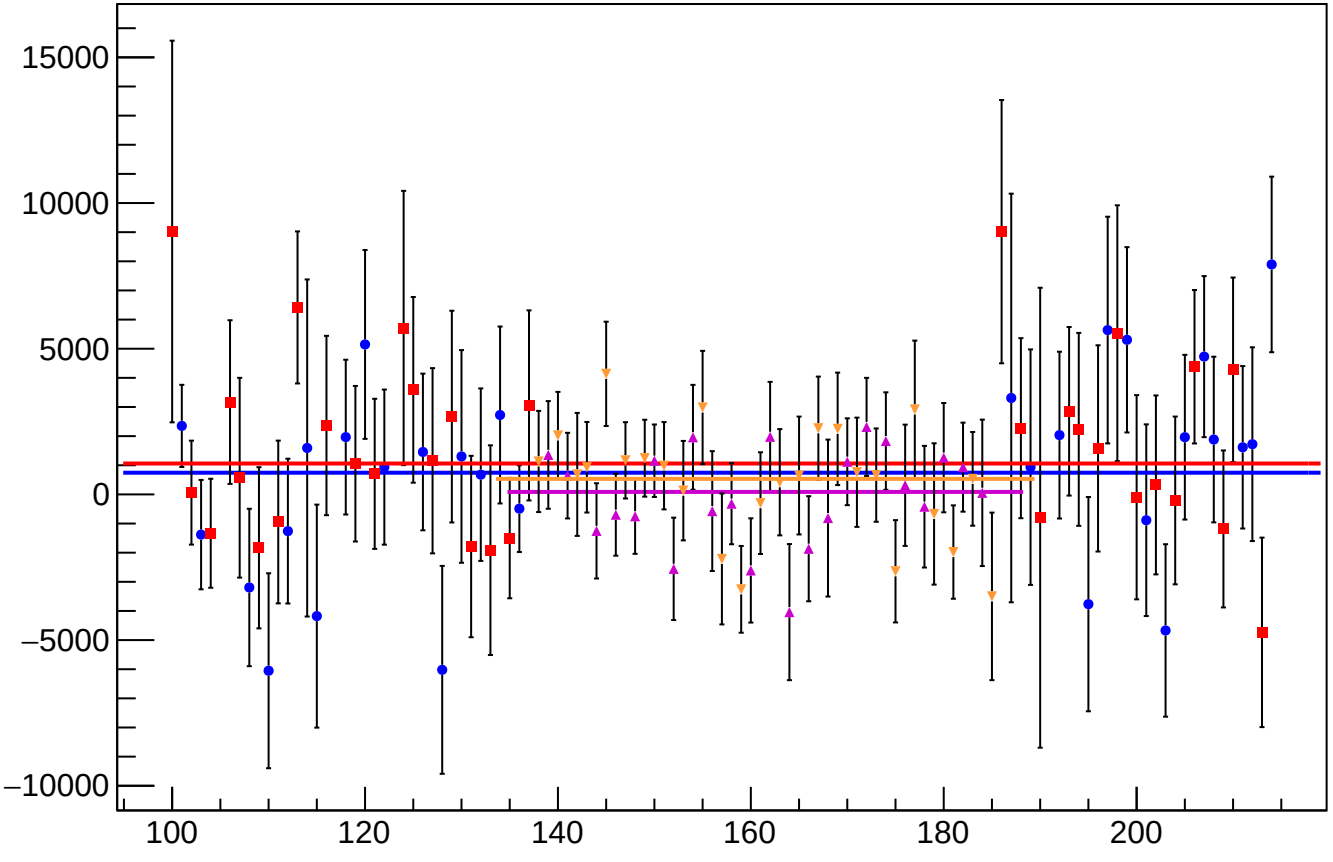
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1091.407+/-0.126 χ^2/NDF: 23769.4/54

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110

- sign 1095.296+/-0.127 χ^2/NDF: 36985.9/55

asym_usr_cor_correction_mean vs Slug



Right In: 744.316+/-501.526 χ^2/NDF: 35.3/29

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1060.495+/-515.618 χ^2/NDF: 27.0/32

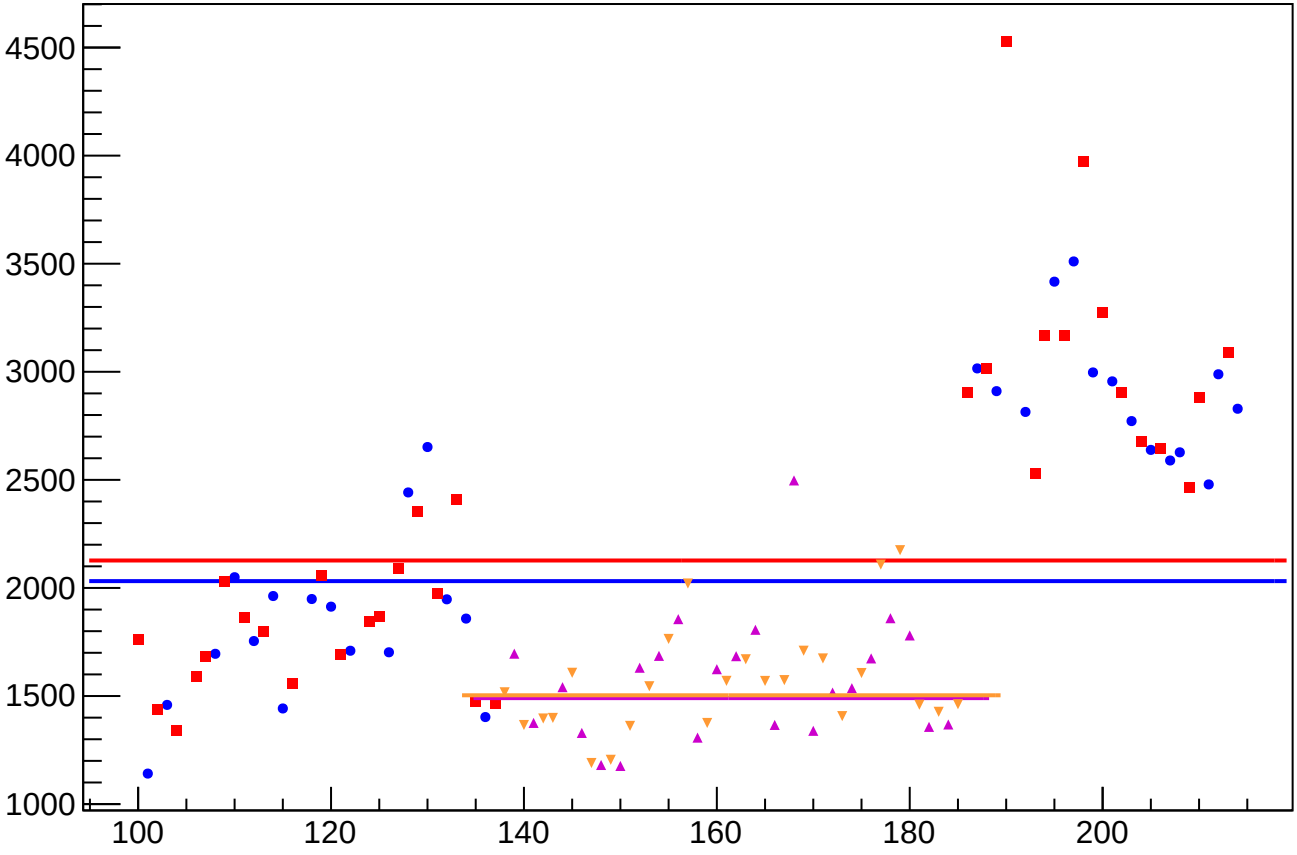
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 601.458+/-285.480 χ^2/NDF: 61.9/54

All: 501.785+/-204.064 χ^2/NDF: 109.6/110

- sign 397.649+/-291.802 χ^2/NDF: 47.5/55

asym_usr_cor_correction_rms vs Slug



Right In: 2031.596+/-0.355 χ^2/NDF: 3543428.9/29

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

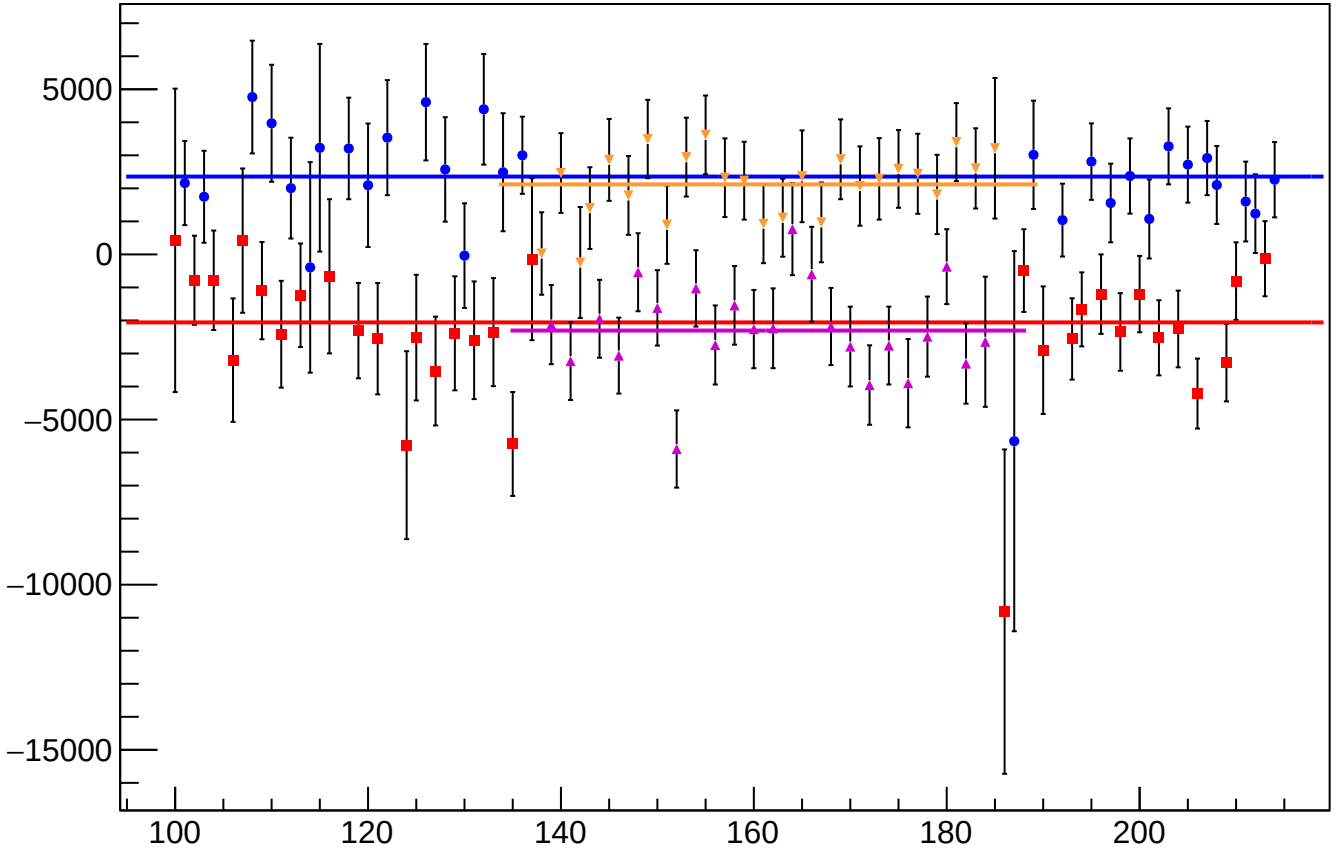
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1674.569+/-0.202 χ^2/NDF: 5842471.4/54

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/1

- sign 1694.227+/-0.206 χ^2/NDF: 6299343.1/55

overload_cor_asym_usr_mean vs Slug



Right In: 2356.585+/-255.544 χ^2/NDF: 18.0/29

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2058.734+/-255.137 χ^2/NDF: 29.4/32

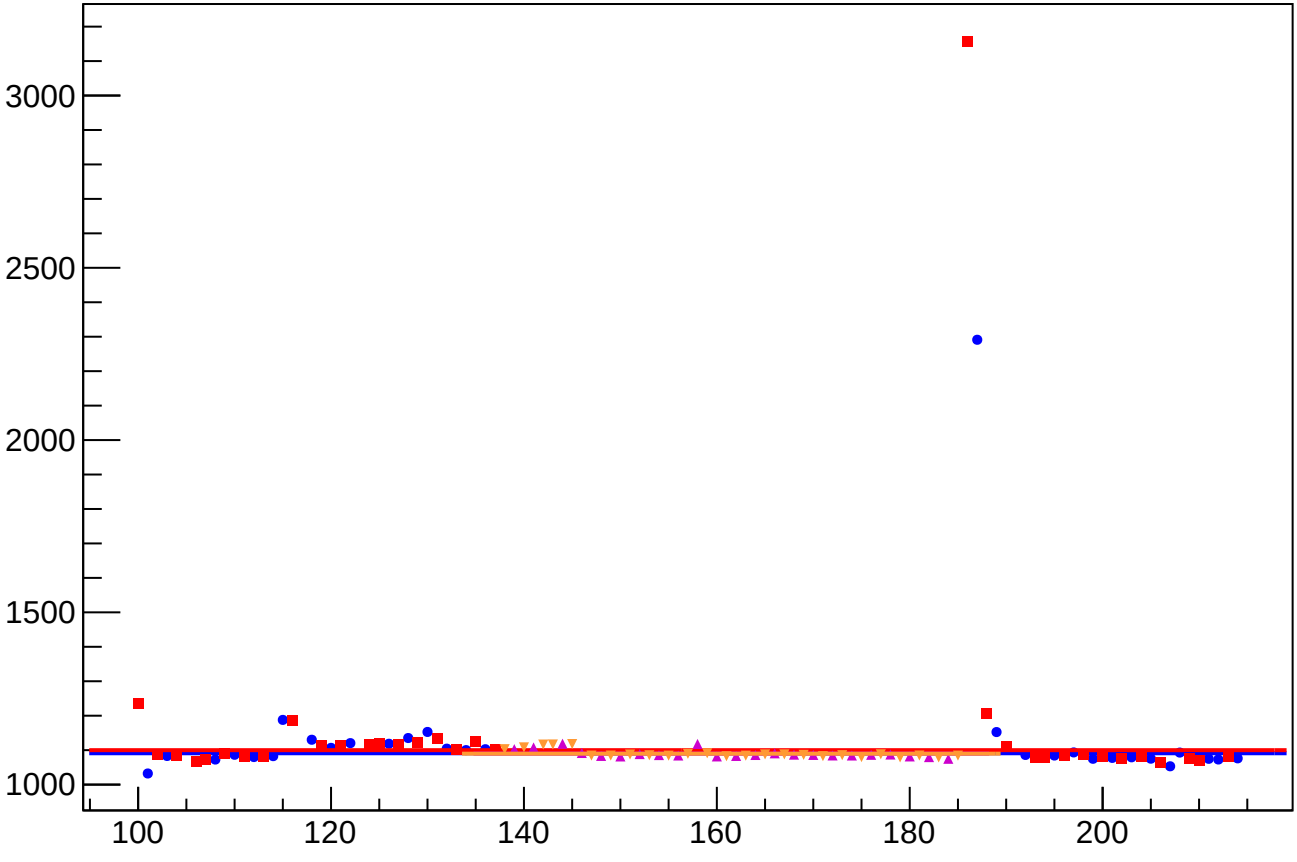
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2234.517+/-177.801 χ^2/NDF: 33.6/54

All: 55.449+/-126.558 χ^2/NDF: 396.3/110

- sign -2182.382+/-180.182 χ^2/NDF: 58.3/55

overload_cor_asym_usr_rms vs Slug



Right In: 1090.999+/-0.181 χ^2/NDF: 108642.4/29

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

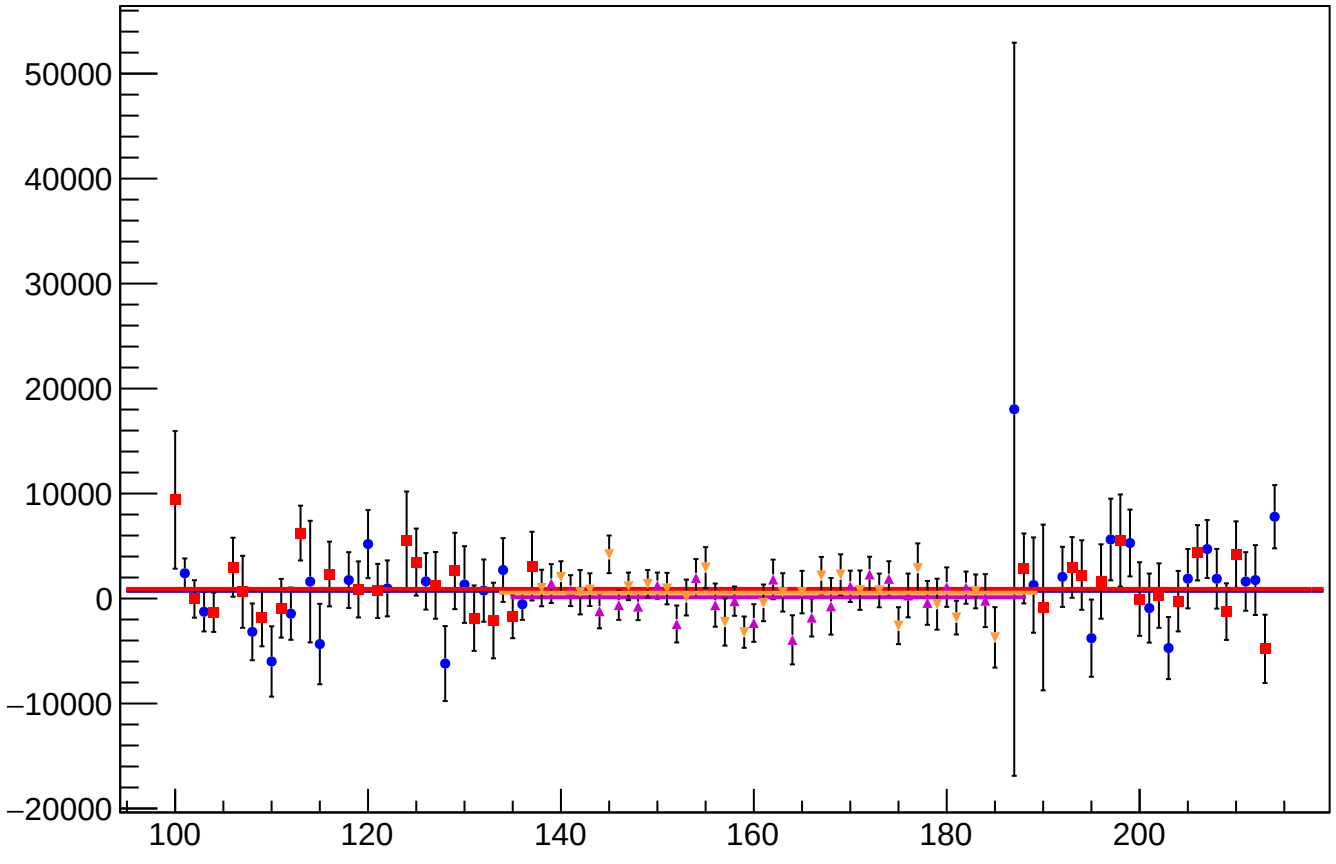
Right Out: 1099.942+/-0.180 χ^2/NDF: 382264.6/32

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

+ sign 1090.351+/-0.126 χ^2/NDF: 112724.9/54

All: 1092.615+/-0.089 χ^2/NDF: 501076.2/110

- sign 1094.941+/-0.127 χ^2/NDF: 387693.9/55



Right In: 733.493+/-504.022 χ^2/NDF: 35.6/29

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 916.446+/-520.414 χ^2/NDF: 24.0/31

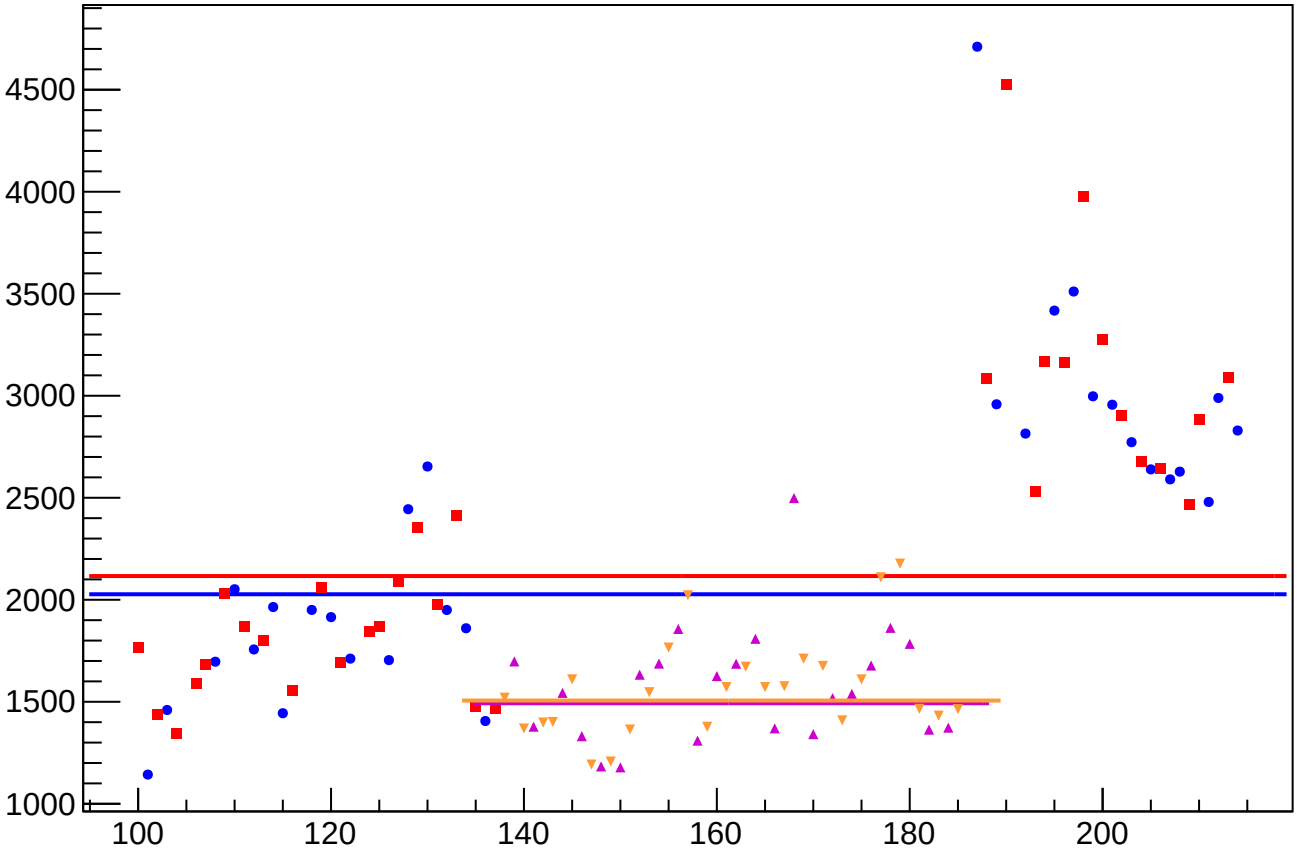
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 611.739+/-286.268 χ^2/NDF: 61.9/54

All: 495.362+/-204.763 χ^2/NDF: 104.9/109

- sign 373.441+/-293.006 χ^2/NDF: 42.7/54

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2027.036+/-0.356 χ^2/NDF: 3492118.4/29

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

Right Out: 2116.321+/-0.368 χ^2/NDF: 3186551.1/31

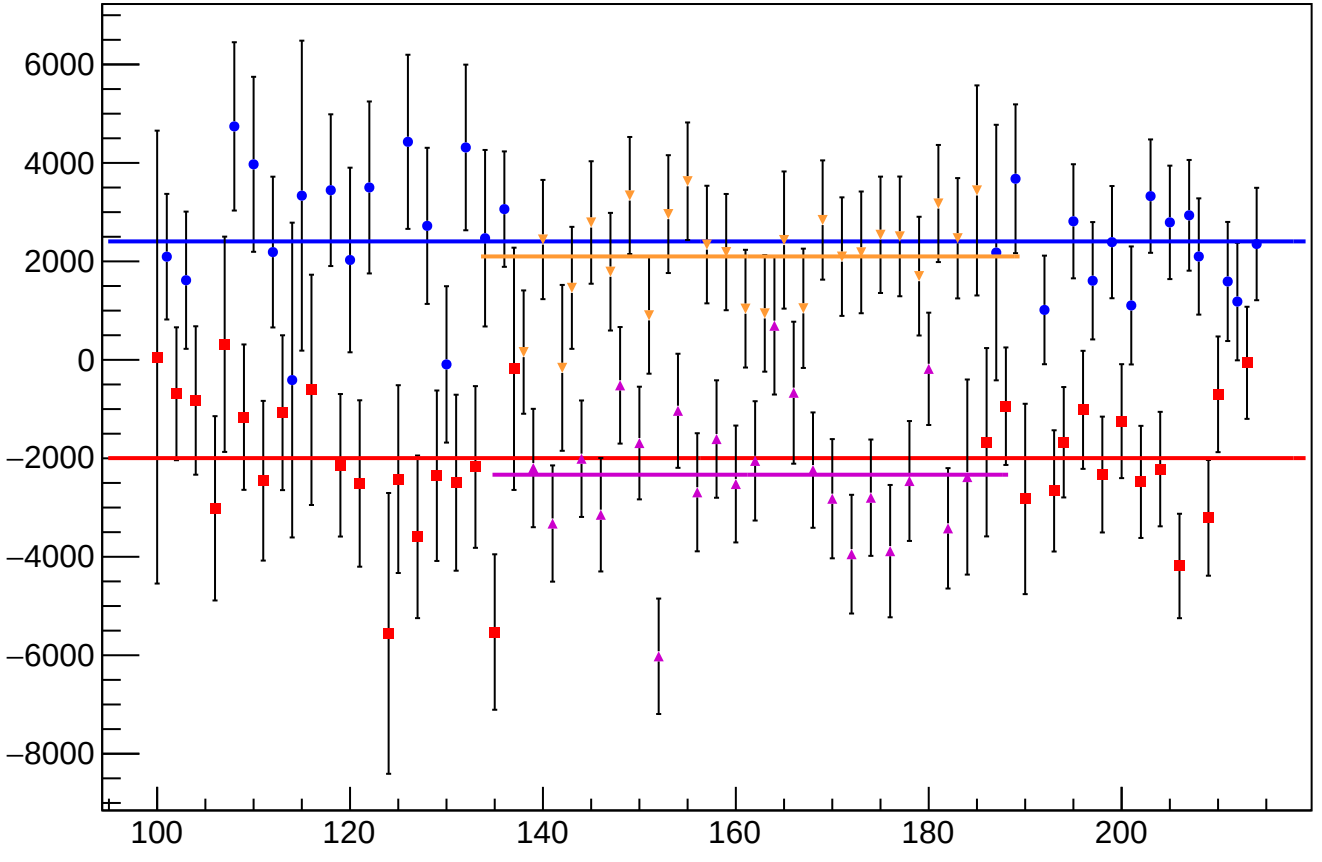
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1674.149+/-0.202 χ^2/NDF: 5735789.2/54

All: 1682.171+/-0.145 χ^2/NDF: 11849711.4/1

- sign 1690.575+/-0.207 χ^2/NDF: 6110706.4/54

eigen_cor_asym_usr_mean vs Slug



Right In: 2405.826+/-254.449 χ^2/NDF: 16.8/29

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -1995.846+/-253.046 χ^2/NDF: 24.8/32

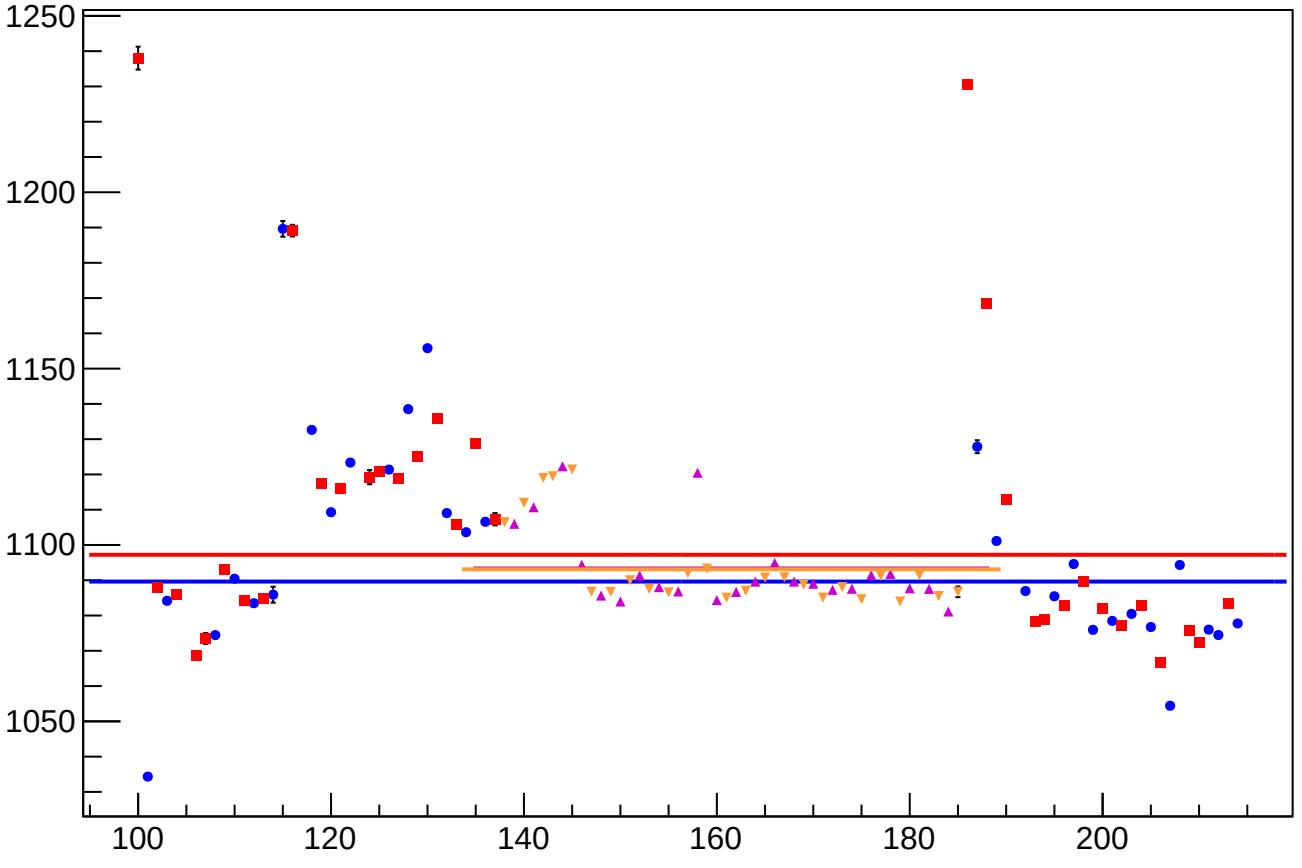
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2249.381+/-177.711 χ^2/NDF: 31.4/54

All: 67.991+/-126.364 χ^2/NDF: 391.3/110

- sign -2162.916+/-179.717 χ^2/NDF: 55.1/55

eigen_cor_asym_usr_rms vs Slug



Right In: 1089.628+/-0.180 χ^2/NDF: 19595.2/29

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1097.219+/-0.179 χ^2/NDF: 33027.1/32

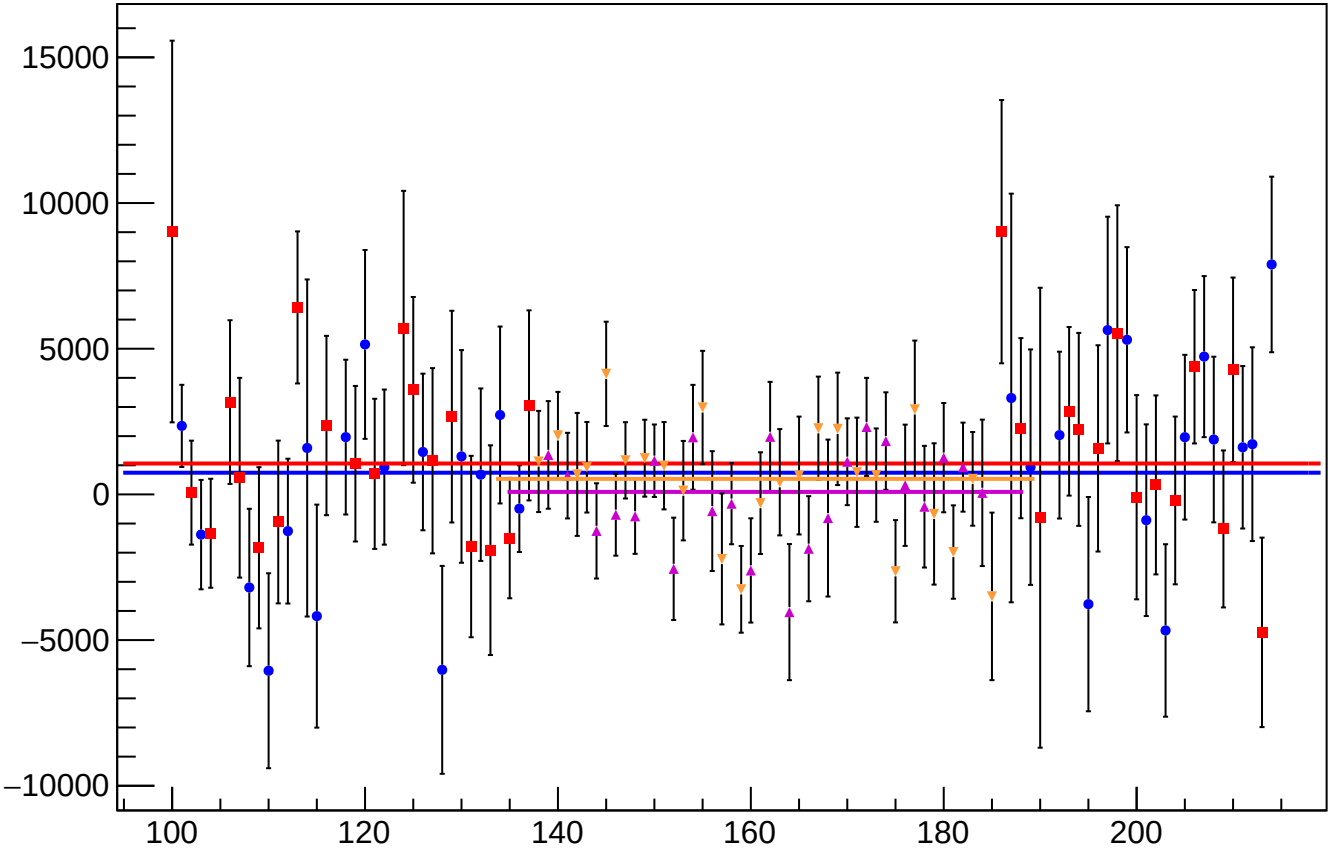
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1091.407+/-0.126 χ^2/NDF: 23769.4/54

All: 1093.330+/-0.089 χ^2/NDF: 61228.7/110

- sign 1095.296+/-0.127 χ^2/NDF: 36985.9/55

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 744.316+/-501.526 χ^2/NDF: 35.3/29

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1060.495+/-515.618 χ^2/NDF: 27.0/32

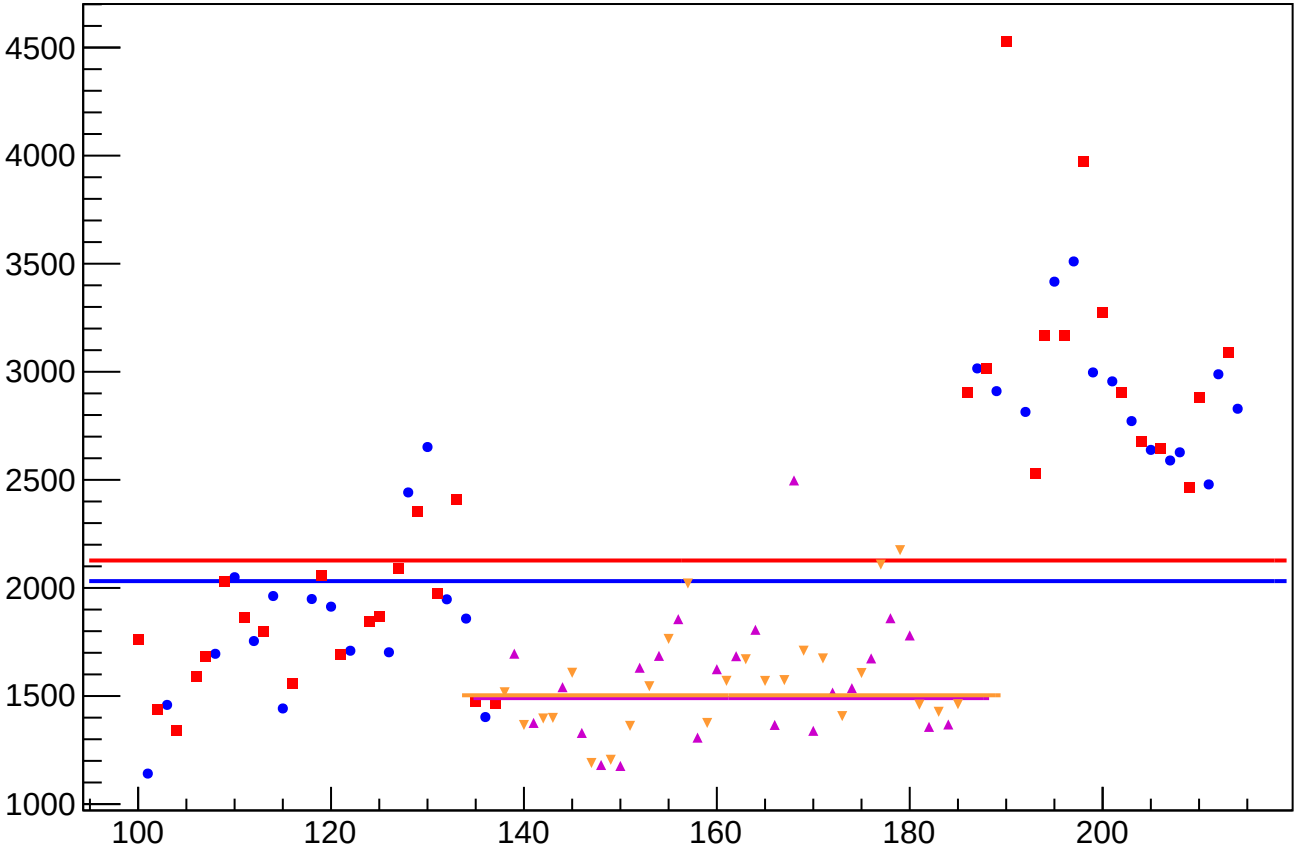
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 601.458+/-285.480 χ^2/NDF: 61.9/54

All: 501.785+/-204.064 χ^2/NDF: 109.6/110

- sign 397.649+/-291.802 χ^2/NDF: 47.5/55

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2031.596+/-0.355 χ^2/NDF: 3543428.9/29

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

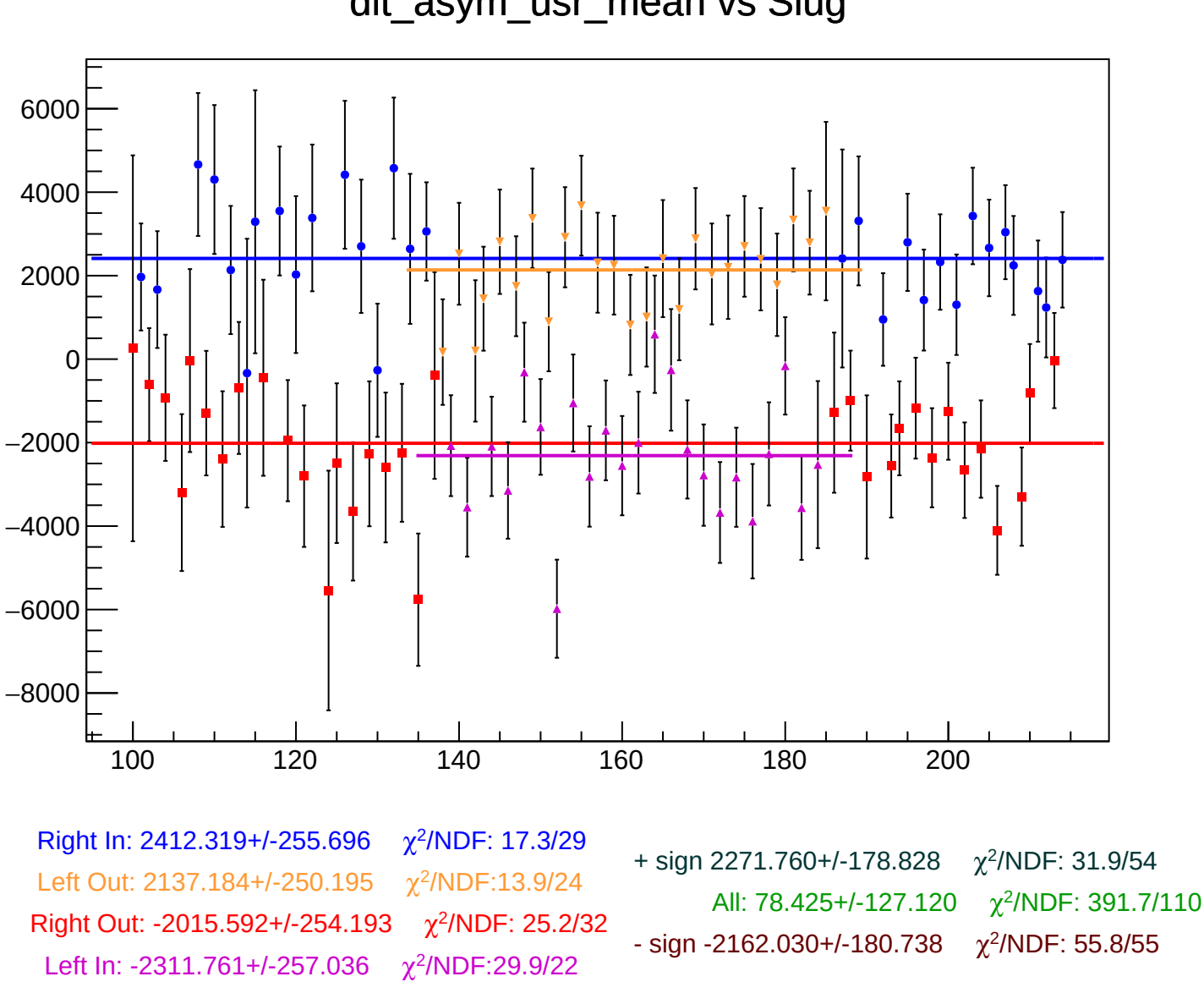
Right Out: 2126.998+/-0.365 χ^2/NDF: 3258333.1/32

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

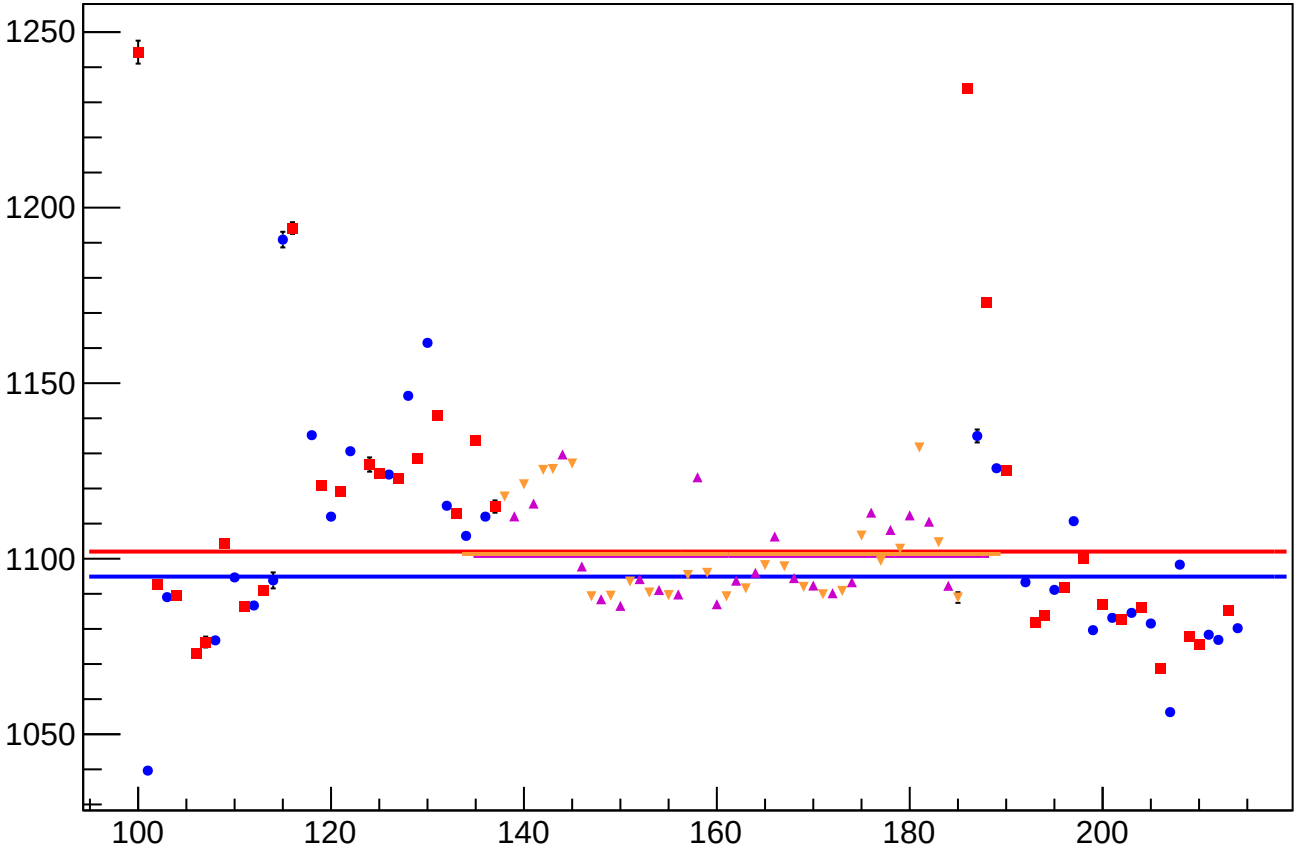
+ sign 1674.569+/-0.202 χ^2/NDF: 5842471.4/54

All: 1684.183+/-0.144 χ^2/NDF: 12146452.6/1

- sign 1694.227+/-0.206 χ^2/NDF: 6299343.1/55


dit_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 2412.319+/-255.696 χ²/NDF: 17.3/29
Left Out: 2137.184+/-250.195 χ²/NDF:13.9/24
Right Out: -2015.592+/-254.193 χ²/NDF: 25.2/32
Left In: -2311.761+/-257.036 χ²/NDF:29.9/22
+ sign 2271.760+/-178.828 χ²/NDF: 31.9/54
All: 78.425+/-127.120 χ²/NDF: 391.7/110
- sign -2162.030+/-180.738 χ²/NDF: 55.8/55

dit_asym_usr_rms vs Slug



Right In: 1094.901+/-0.181 χ^2/NDF: 21257.6/29

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.031+/-0.180 χ^2/NDF: 33342.4/32

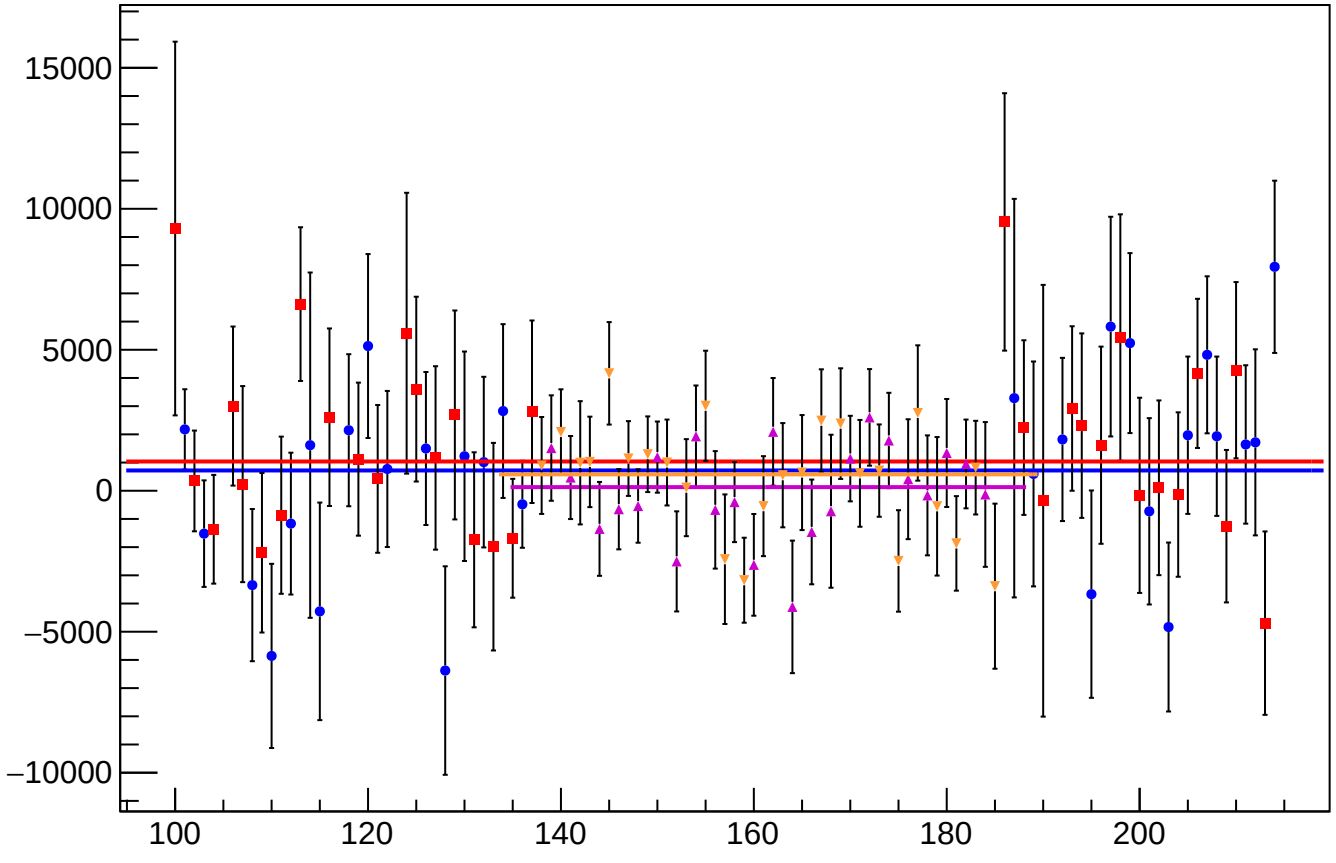
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1098.197+/-0.126 χ^2/NDF: 27858.9/54

All: 1099.791+/-0.090 χ^2/NDF: 66187.6/110

- sign 1101.419+/-0.128 χ^2/NDF: 38007.6/55

asym_usr_dit_correction_mean vs Slug



Right In: 719.558+/-507.220 χ^2/NDF: 35.4/29

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1037.696+/-521.339 χ^2/NDF: 27.1/32

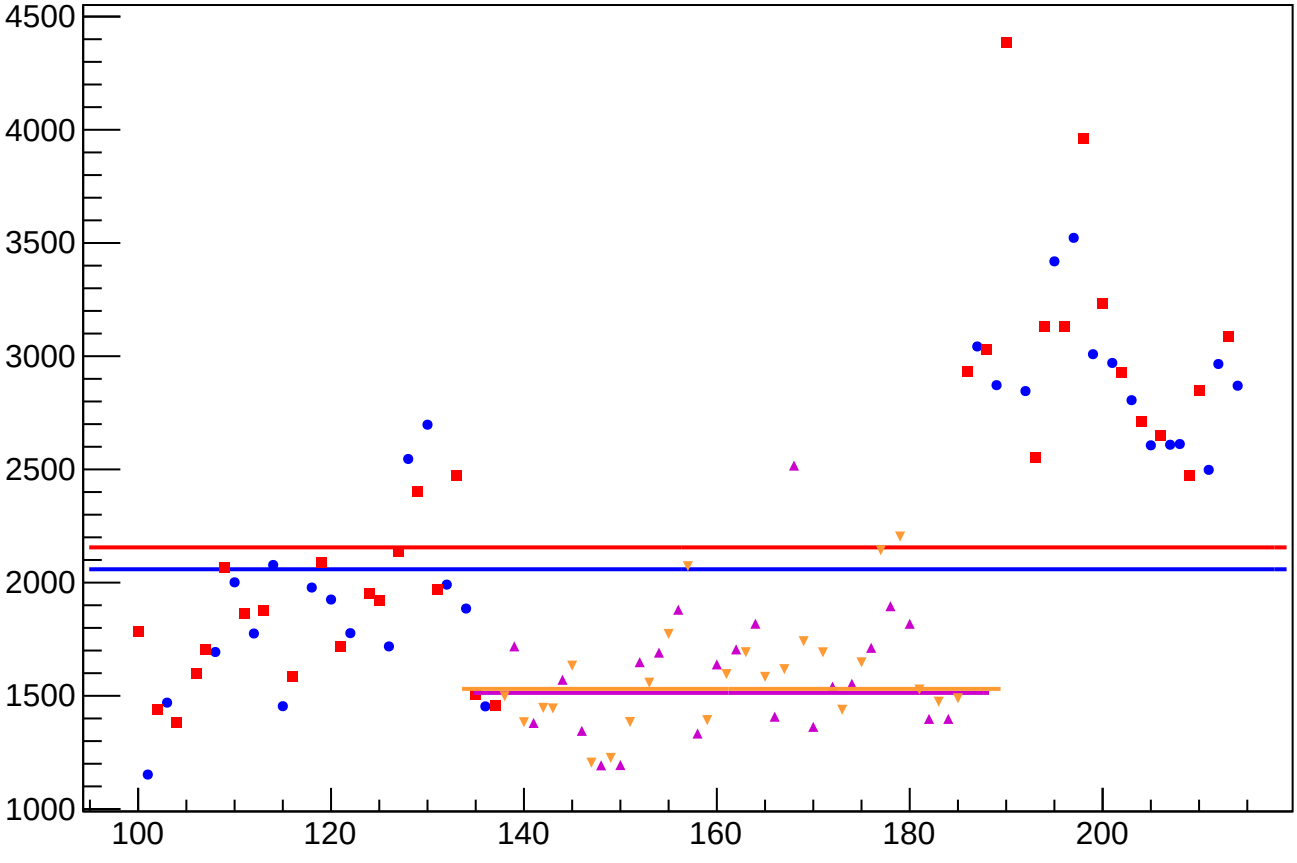
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 626.567+/-289.954 χ^2/NDF: 60.8/54

All: 525.953+/-207.047 χ^2/NDF: 108.1/110

- sign 421.276+/-295.749 χ^2/NDF: 47.0/55

asym_usr_dit_correction_rms vs Slug



Right In: 2058.947+/-0.359 χ^2/NDF: 3436636.8/29

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2155.621+/-0.369 χ^2/NDF: 3106679.5/32

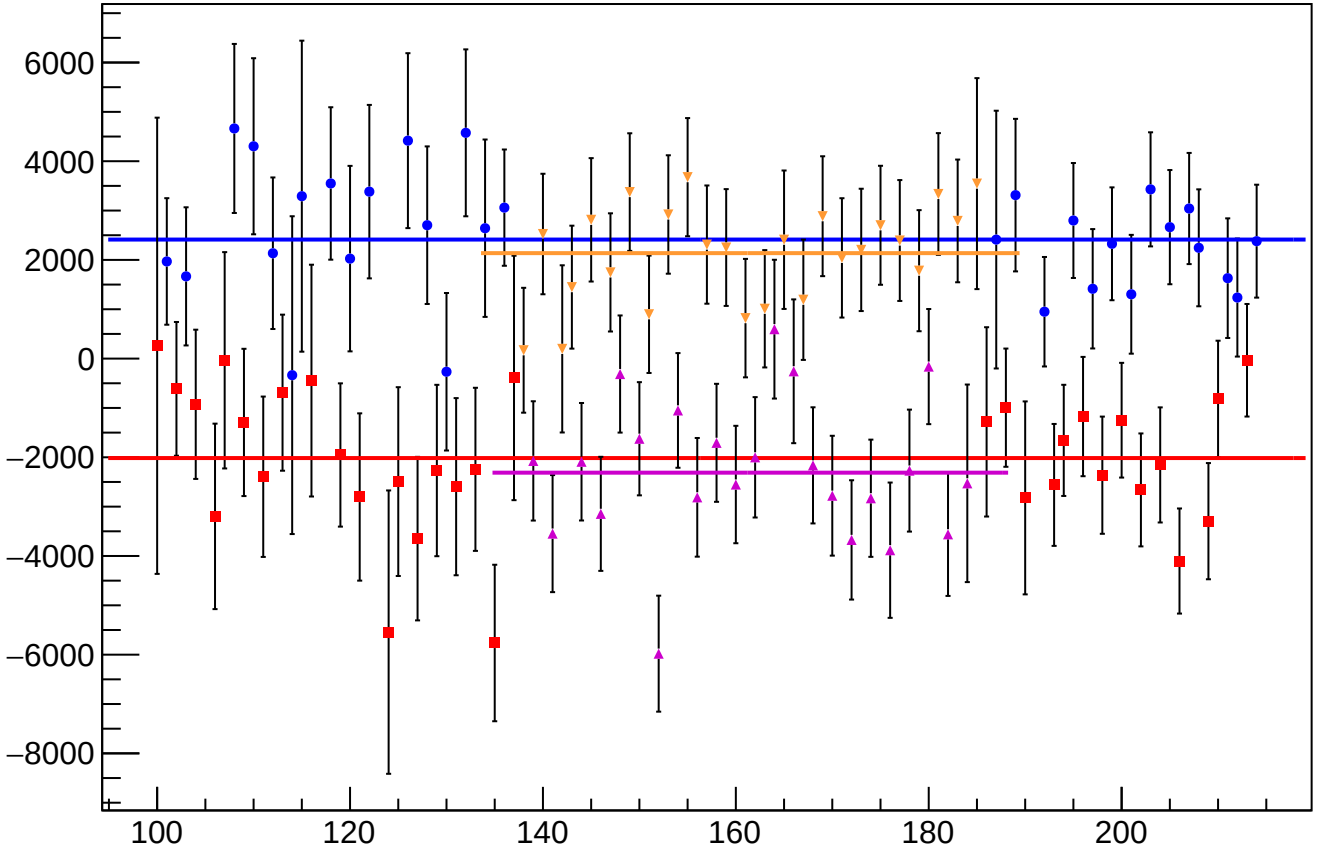
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1703.368+/-0.205 χ^2/NDF: 5692292.4/54

All: 1711.406+/-0.146 χ^2/NDF: 11820361.3/1

- sign 1719.769+/-0.209 χ^2/NDF: 6124932.6/55

eigen_dit_asym_usr_mean vs Slug



Right In: 2412.320+/-255.696 χ^2/NDF: 17.3/29

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2015.592+/-254.193 χ^2/NDF: 25.2/32

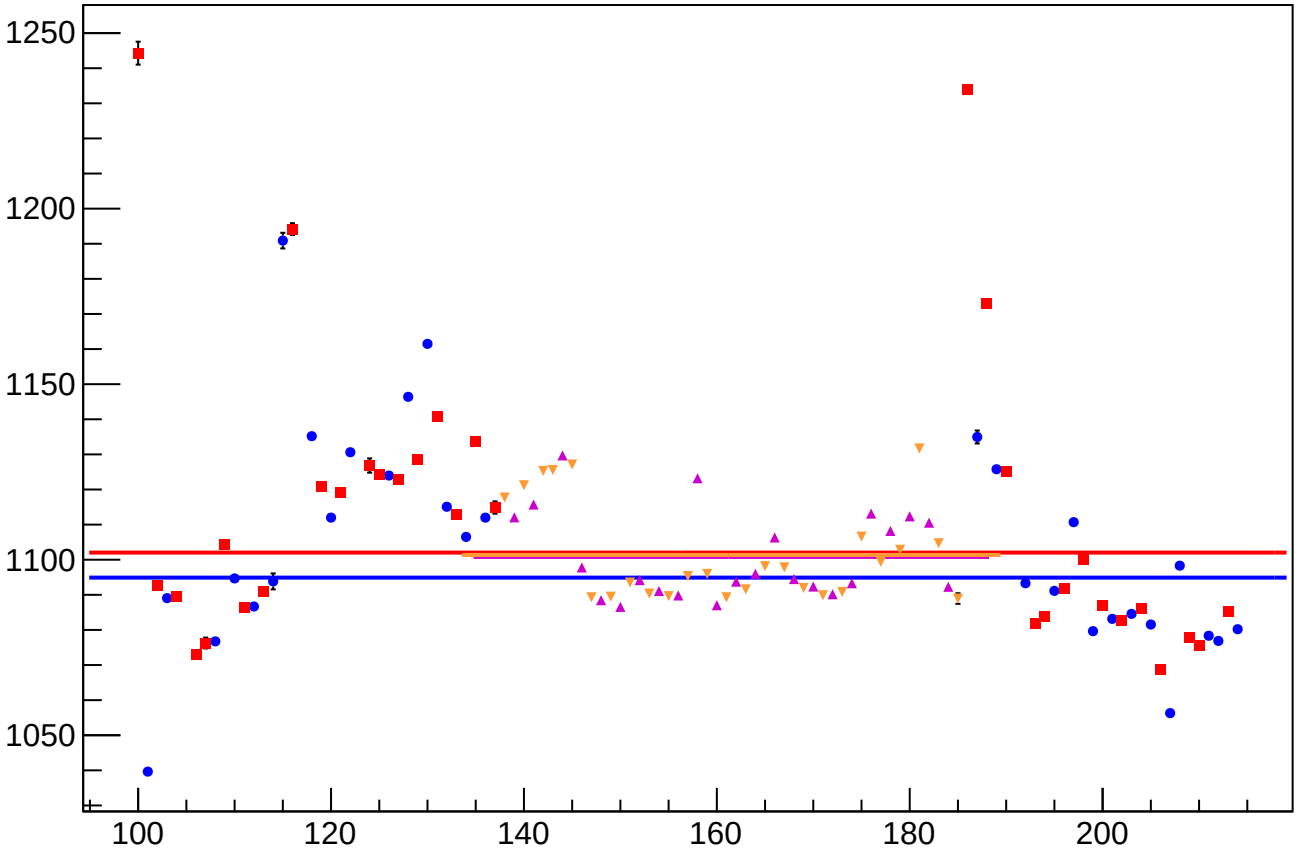
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2271.760+/-178.828 χ^2/NDF: 31.9/54

All: 78.424+/-127.120 χ^2/NDF: 391.7/110

- sign -2162.030+/-180.738 χ^2/NDF: 55.8/55

eigen_dit_asym_usr_rms vs Slug



Right In: 1094.901+/-0.181 χ^2/NDF: 21257.4/29

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1102.031+/-0.180 χ^2/NDF: 33342.3/32

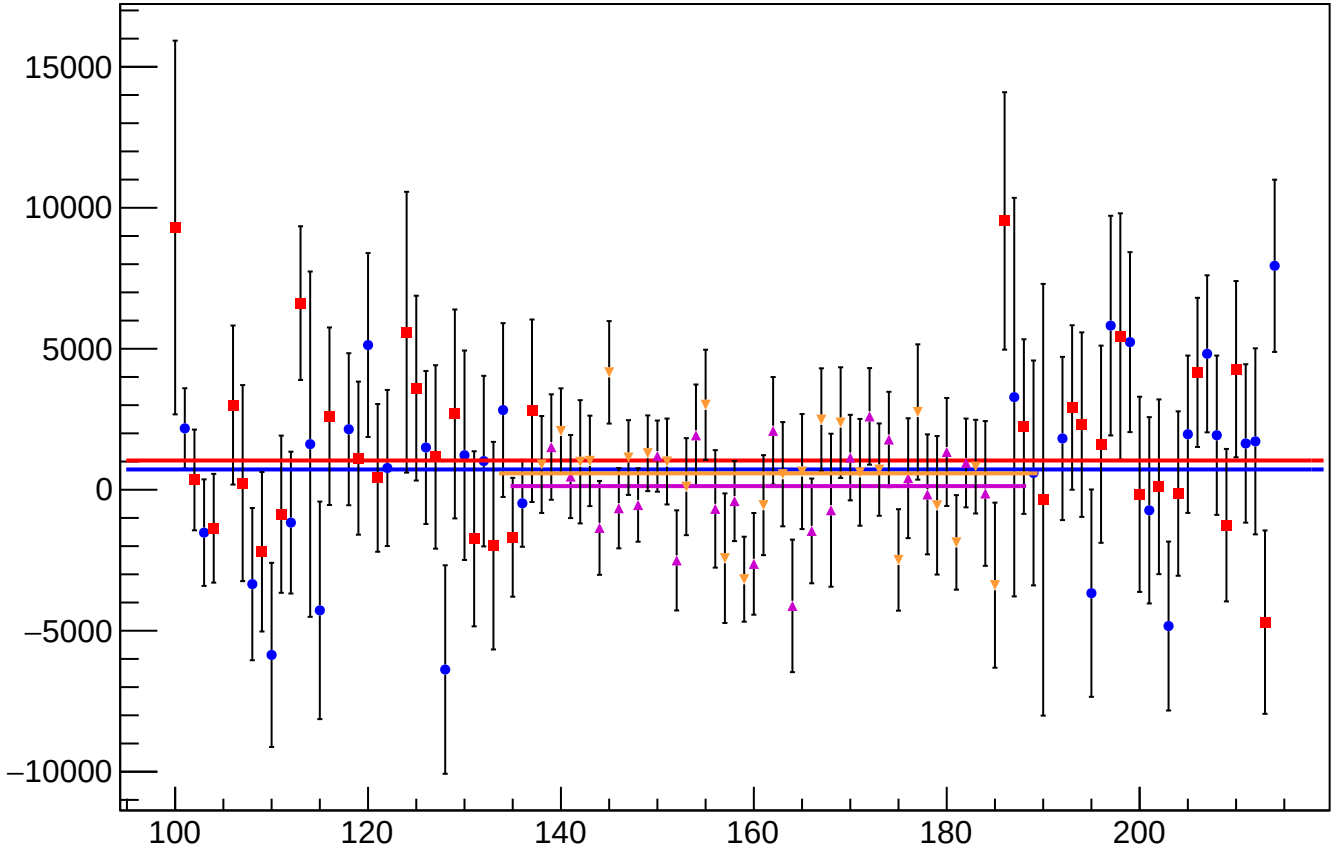
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1098.197+/-0.126 χ^2/NDF: 27858.7/54

All: 1099.791+/-0.090 χ^2/NDF: 66187.3/110

- sign 1101.419+/-0.128 χ^2/NDF: 38007.5/55

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 719.554+/-507.219 χ^2/NDF: 35.4/29

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1037.696+/-521.338 χ^2/NDF: 27.1/32

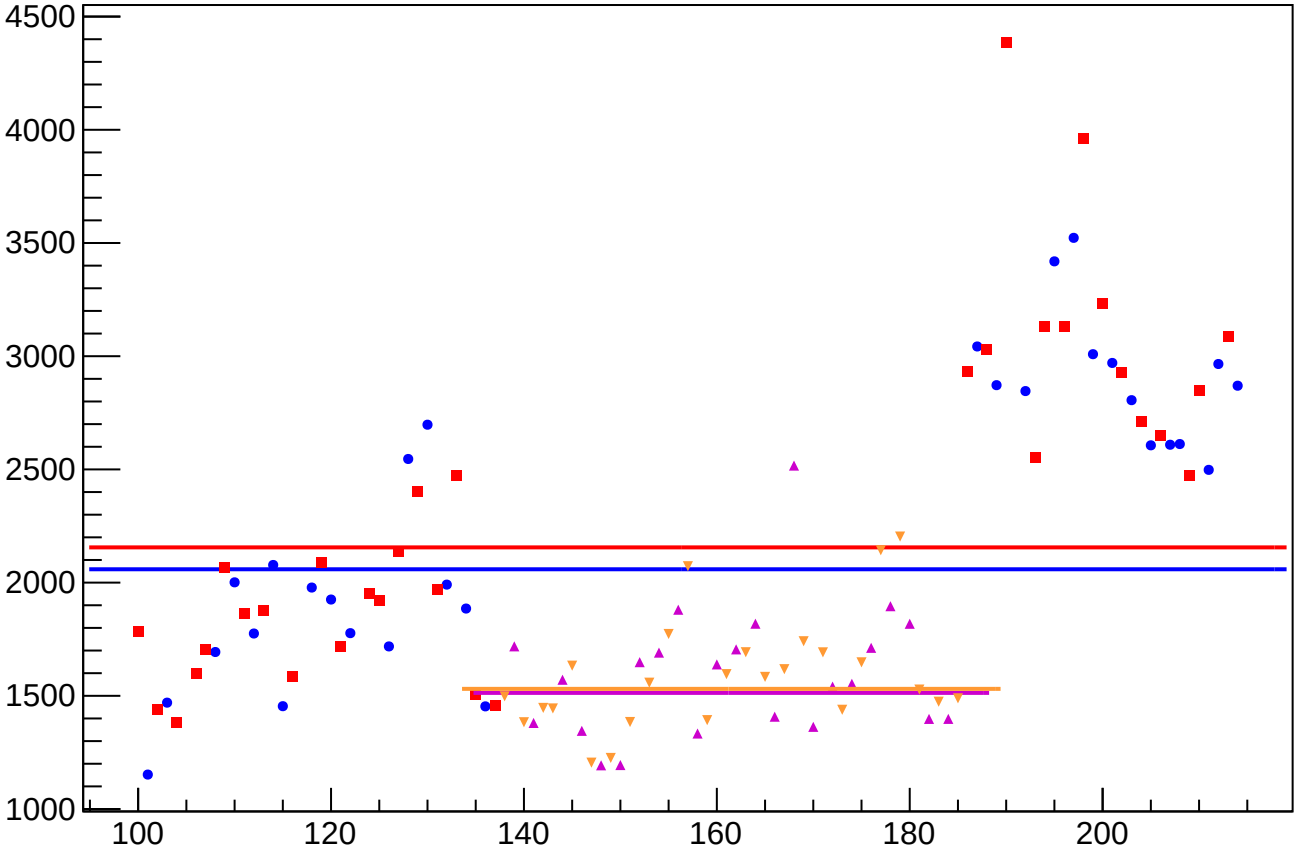
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 626.565+/-289.954 χ^2/NDF: 60.8/54

All: 525.952+/-207.047 χ^2/NDF: 108.1/110

\- sign 421.278+/-295.750 χ^2/NDF: 47.0/55

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2058.946+/-0.359 χ^2/NDF: 3436649.5/29

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2155.619+/-0.369 χ^2/NDF: 3106680.1/32

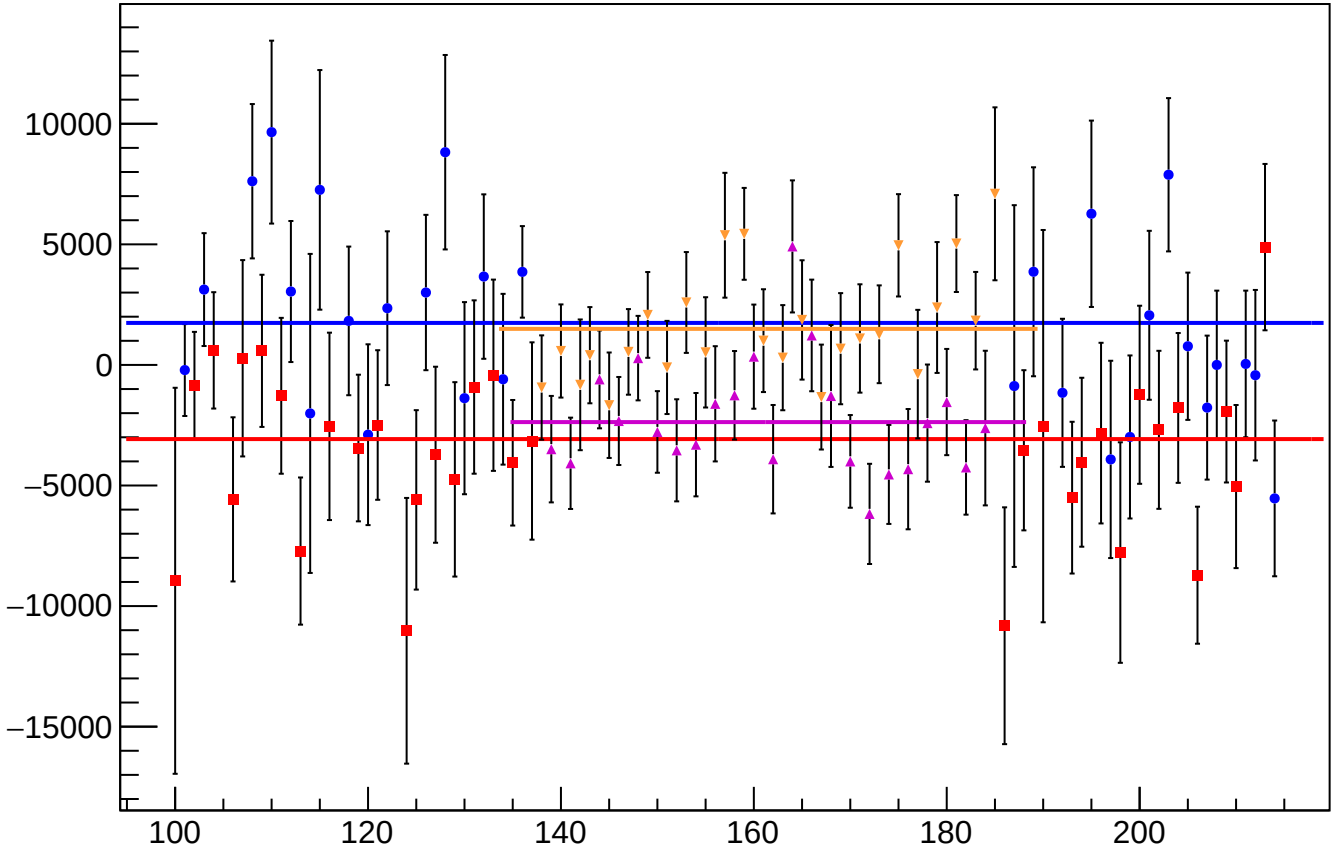
Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1703.371+/-0.205 χ^2/NDF: 5692278.3/54

All: 1711.409+/-0.146 χ^2/NDF: 11820319.7/1

- sign 1719.772+/-0.209 χ^2/NDF: 6124904.9/55

asym_usr_mean vs Slug



Right In: 1742.107+/-584.677 χ^2/NDF: 36.1/29

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3075.077+/-593.868 χ^2/NDF: 27.2/32

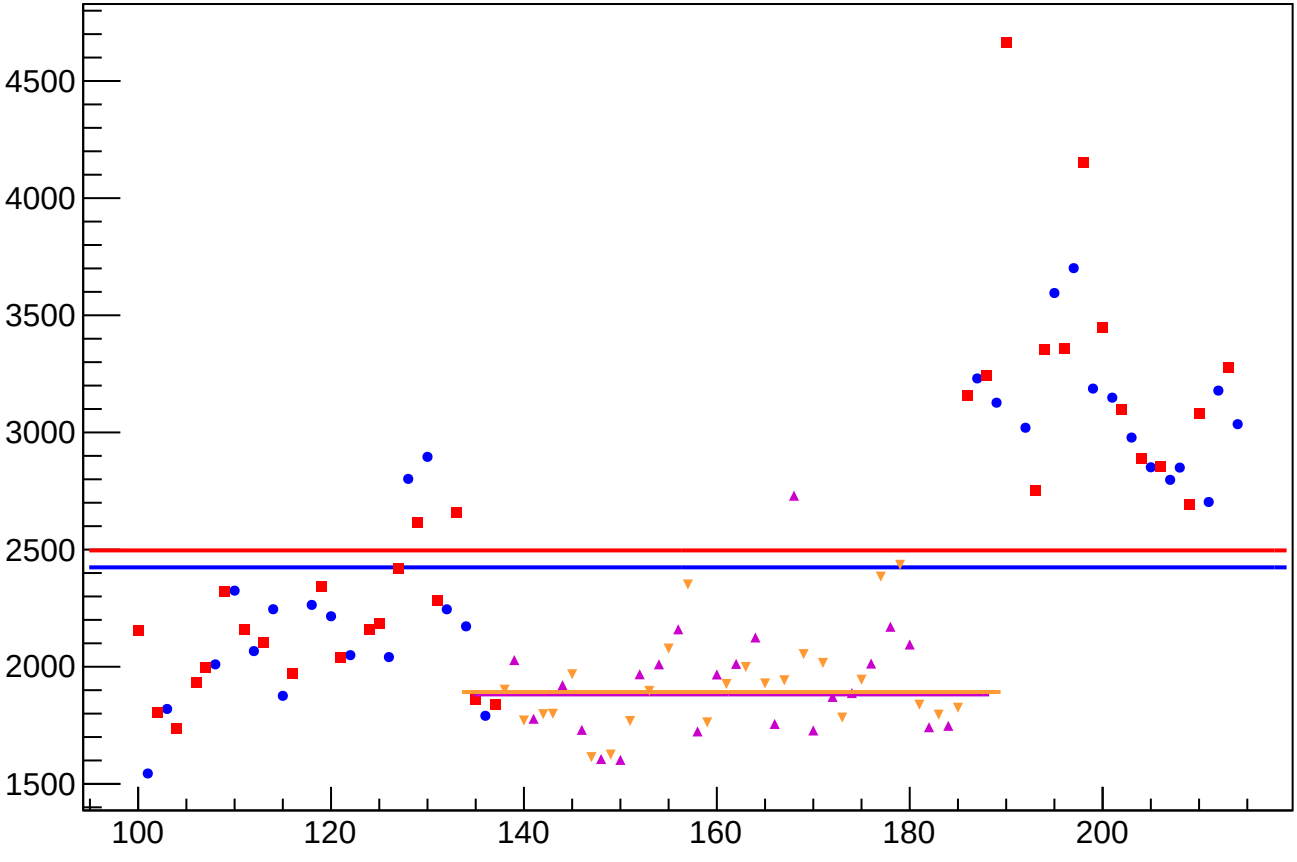
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1582.590+/-348.069 χ^2/NDF: 60.0/54

All: -478.120+/-248.558 χ^2/NDF: 183.3/110

- sign -2622.485+/-355.063 χ^2/NDF: 51.8/55

asym_usr_rms vs Slug



Right In: 2424.228+/-0.413 χ^2/NDF: 2067659.1/29

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2496.468+/-0.420 χ^2/NDF: 2045715.1/32

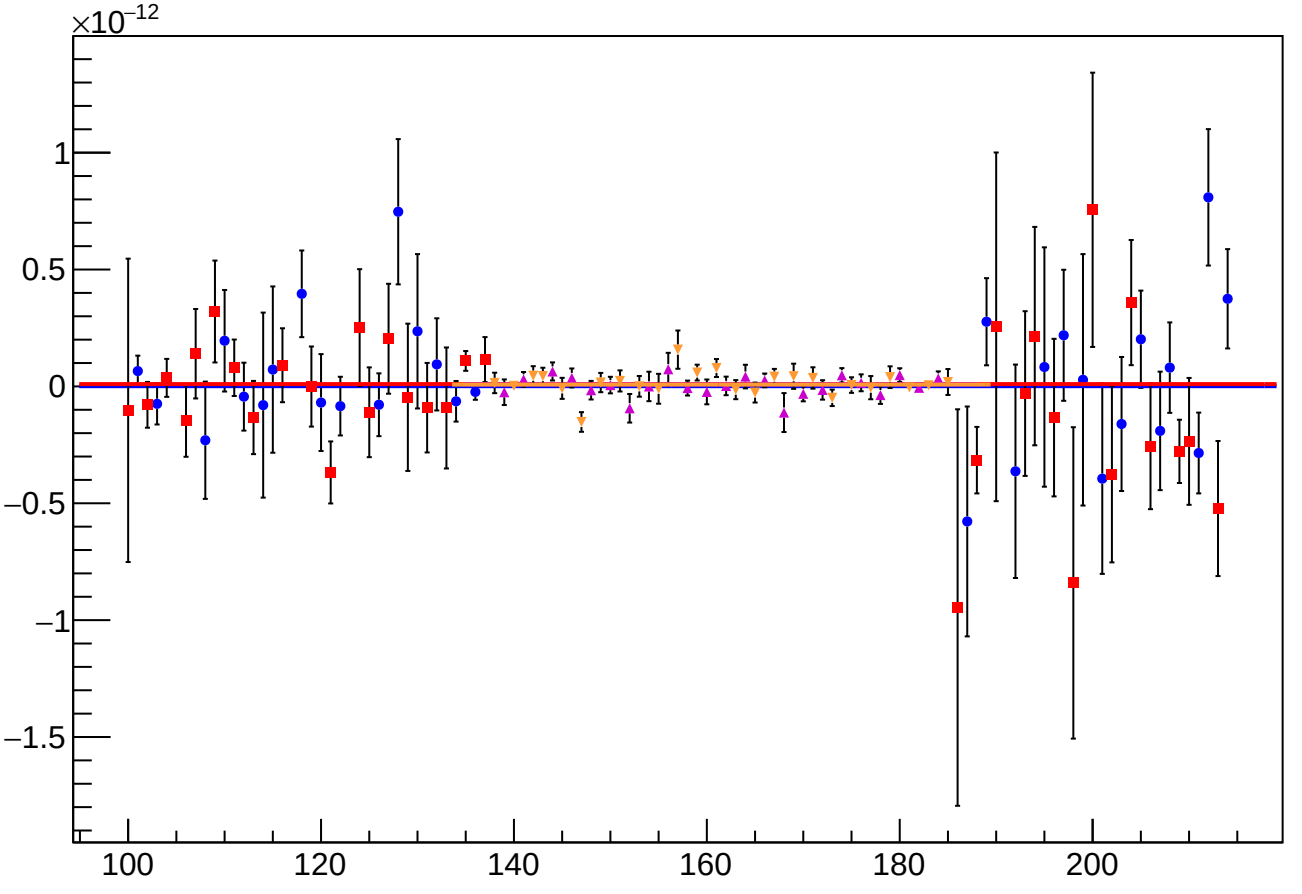
Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2080.699+/-0.246 χ^2/NDF: 3526766.0/54

All: 2090.932+/-0.176 χ^2/NDF: 7414925.4/11

- sign 2101.580+/-0.251 χ^2/NDF: 3884631.9/55

asym_usr_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.9/32

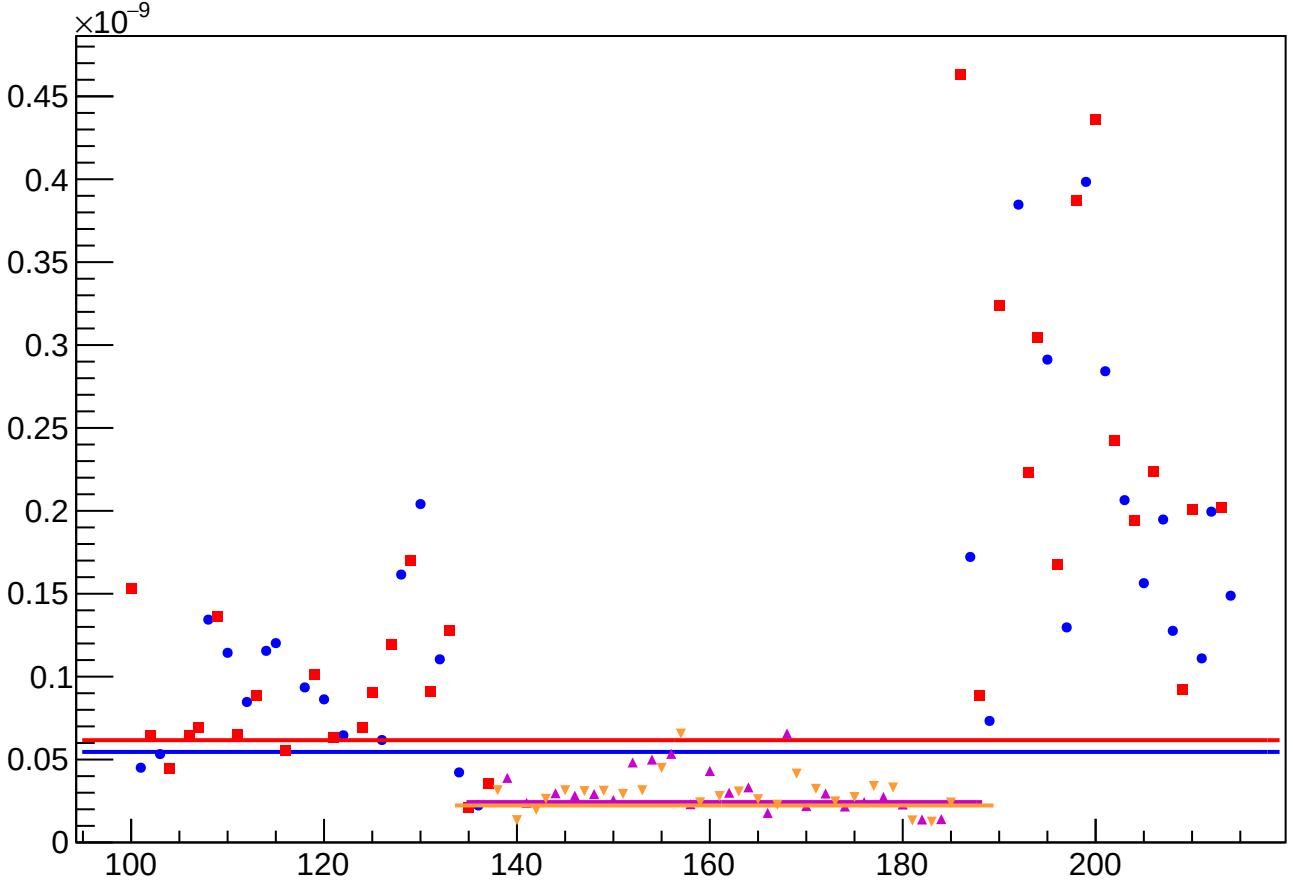
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.3/54

All: 0.000+/-0.000 χ^2/NDF: 135.3/110

- sign 0.000+/-0.000 χ^2/NDF: 65.0/55

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9695244.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

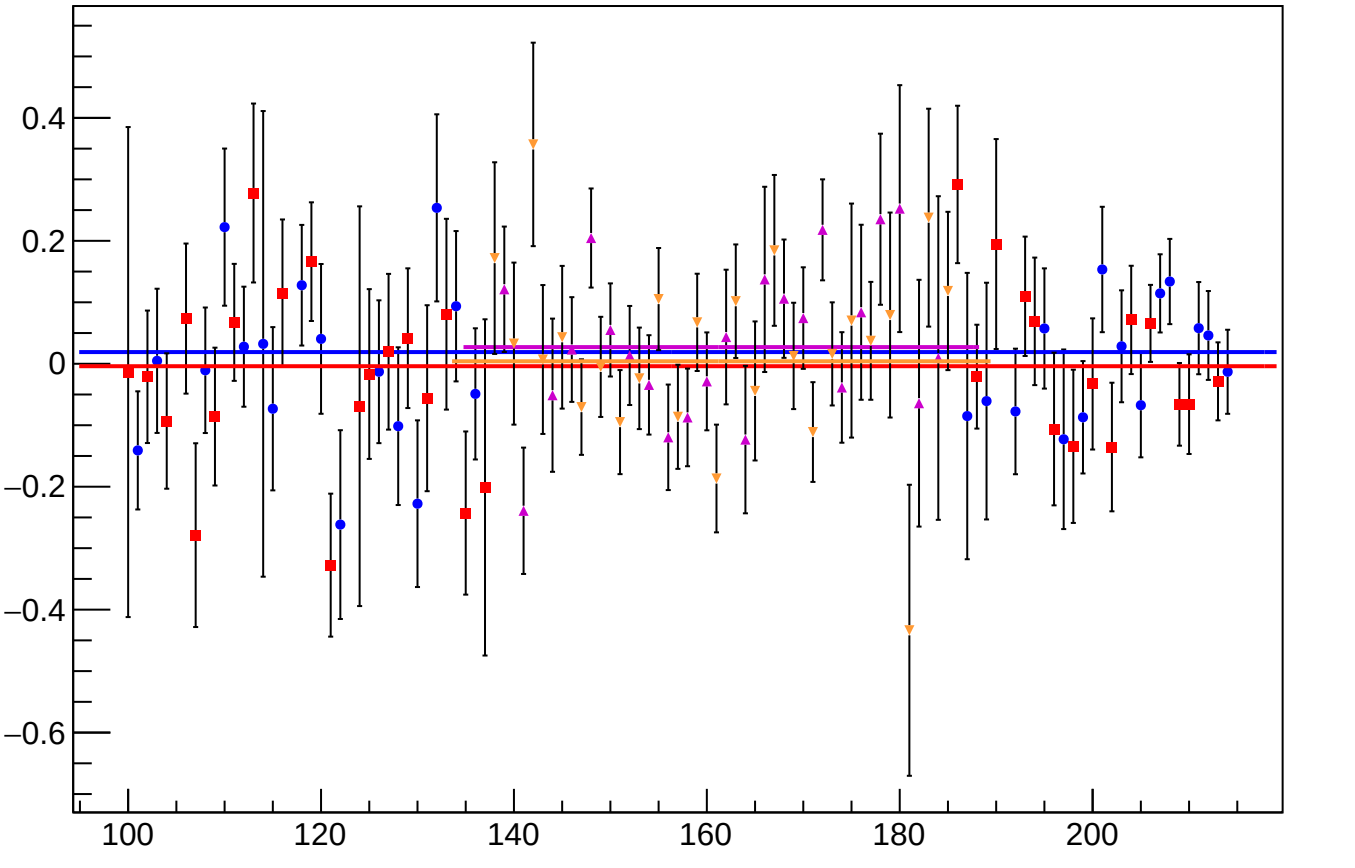
Right Out: 0.000+/-0.000 χ^2/NDF: 9077611.9/32

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

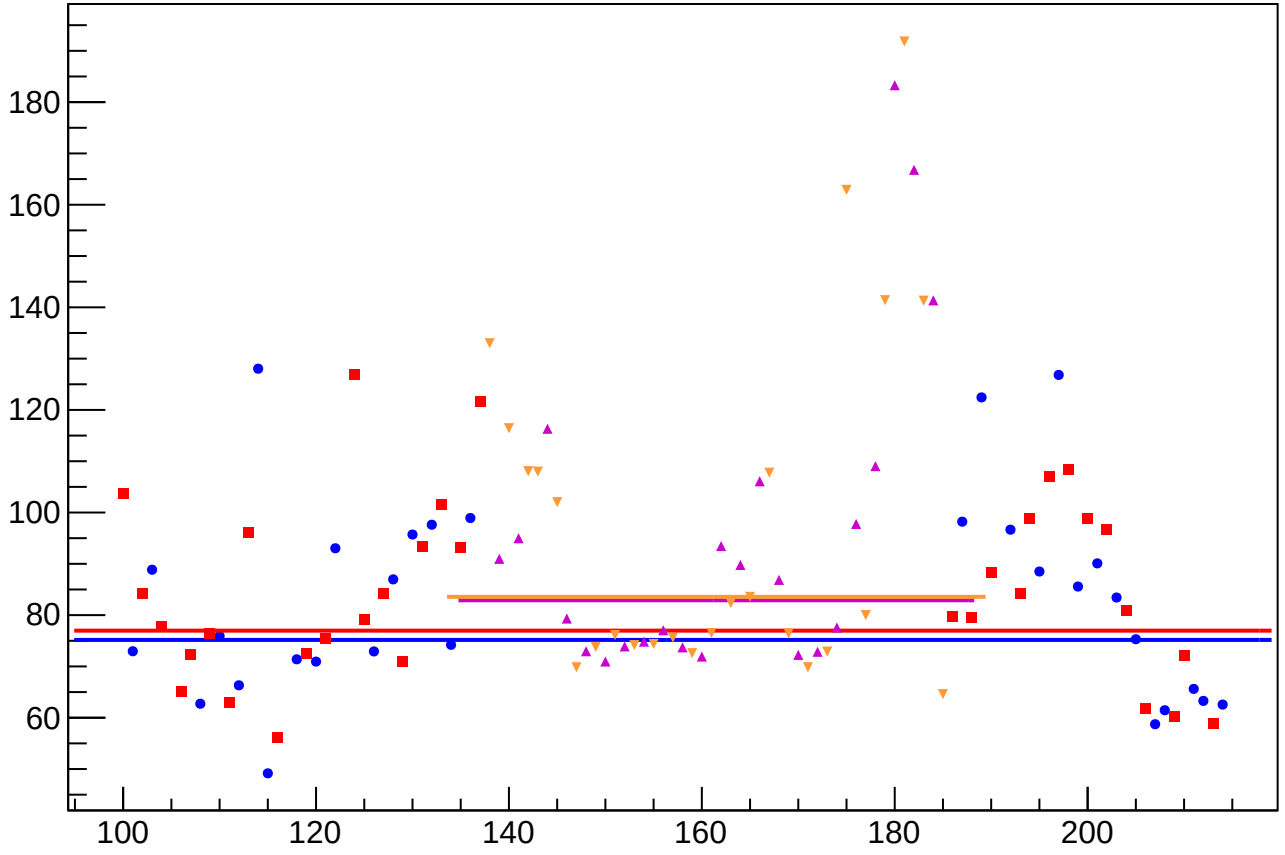
+ sign 0.000+/-0.000 χ^2/NDF: 16965875.0/54

All: 0.000+/-0.000 χ^2/NDF: 33293711.6/110

- sign 0.000+/-0.000 χ^2/NDF: 16207755.2/55


asym_usr_dit_vs_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.019+/-0.019 χ²/NDF: 30.0/29
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.004+/-0.019 χ²/NDF: 41.1/32
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.012+/-0.014 χ²/NDF: 58.5/54
All: 0.011+/-0.010 χ²/NDF: 132.8/110
- sign 0.010+/-0.014 χ²/NDF: 74.3/55

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 75.169+/-0.013 χ^2/NDF: 1396226.7/29

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 76.977+/-0.013 χ^2/NDF: 1324127.4/32

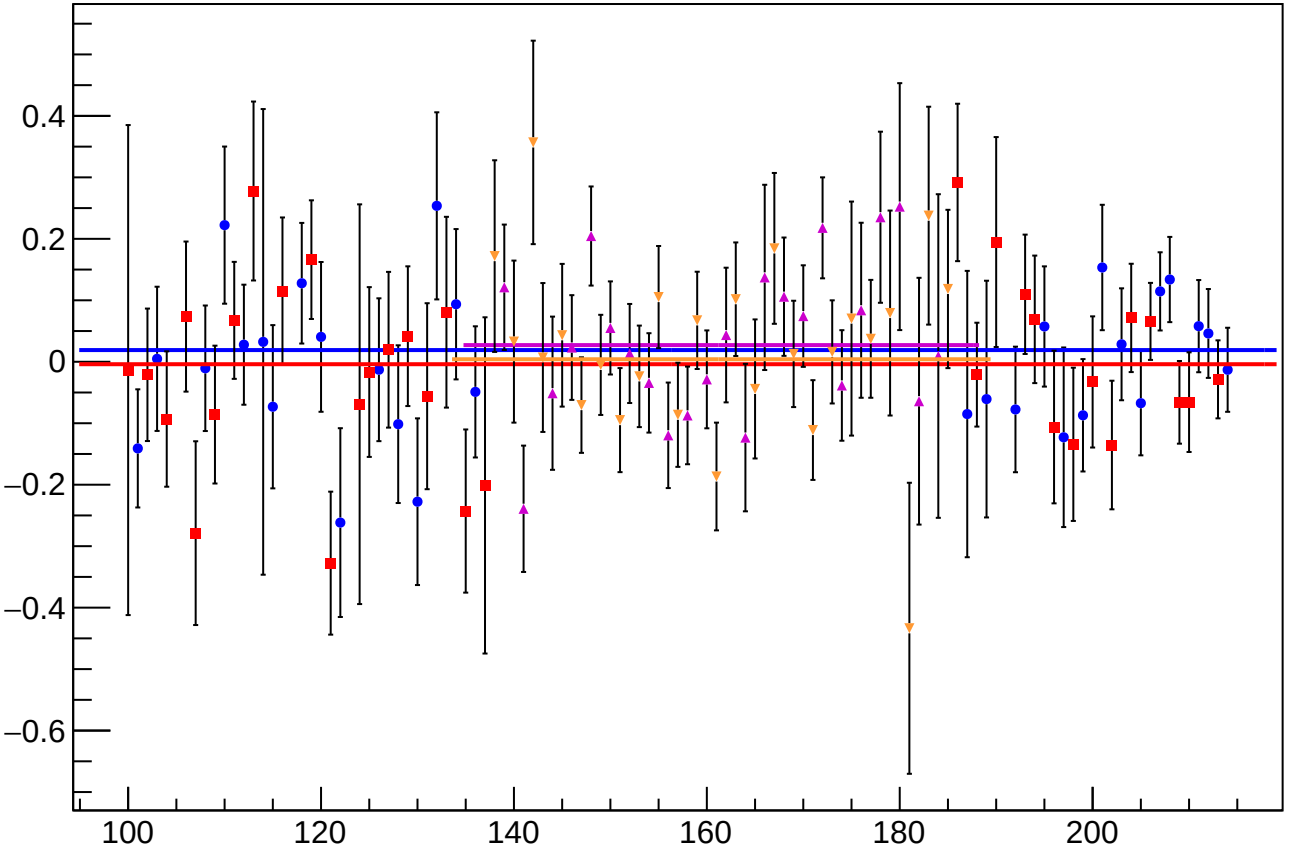
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 78.983+/-0.010 χ^2/NDF: 3755776.6/54

All: 79.311+/-0.007 χ^2/NDF: 6746131.3/110

- sign 79.645+/-0.010 χ^2/NDF: 2988032.7/55

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.019 χ^2/NDF: 30.0/29

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.019 χ^2/NDF: 41.1/32

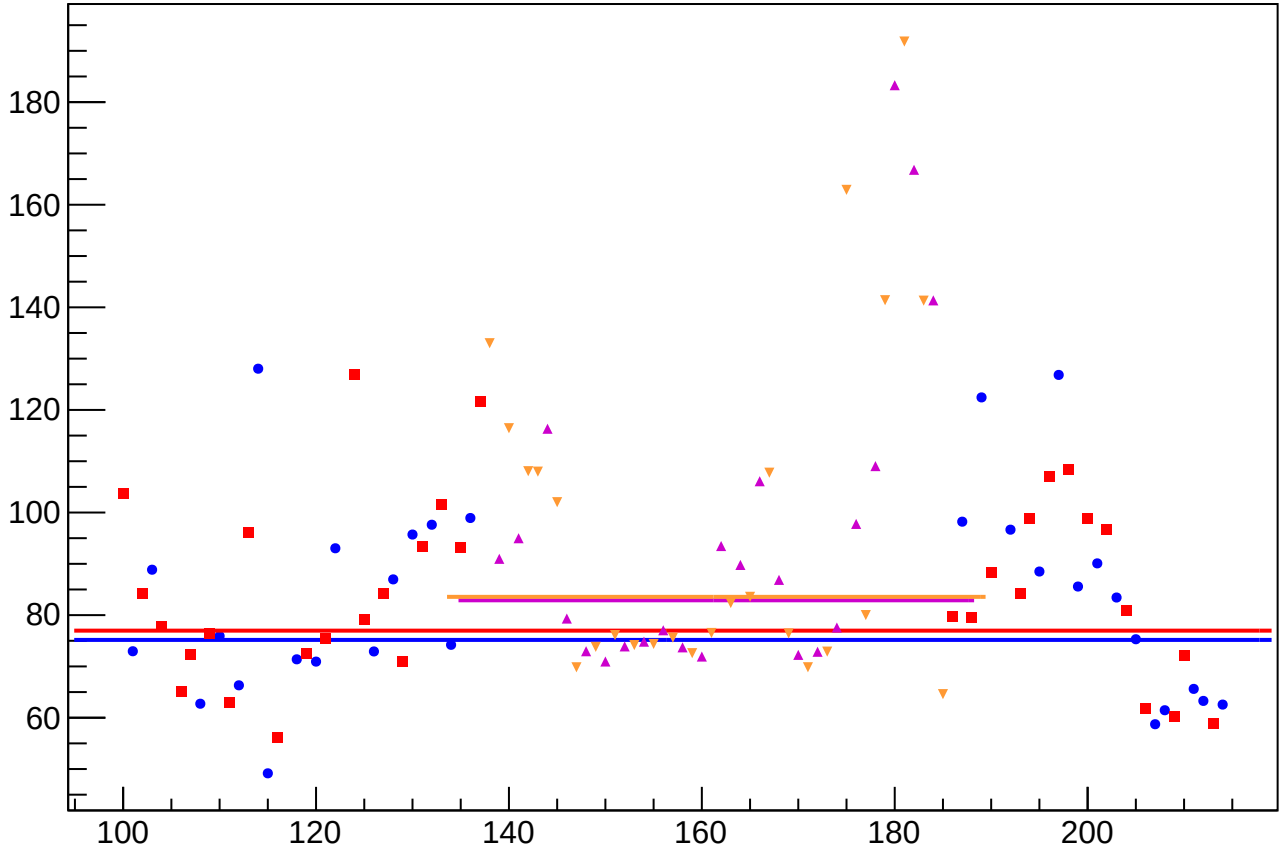
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.012+/-0.014 χ^2/NDF: 58.5/54

All: 0.011+/-0.010 χ^2/NDF: 132.8/110

- sign 0.010+/-0.014 χ^2/NDF: 74.3/55

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 75.169+/-0.013 χ^2/NDF: 1396226.7/29

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 76.977+/-0.013 χ^2/NDF: 1324127.4/32

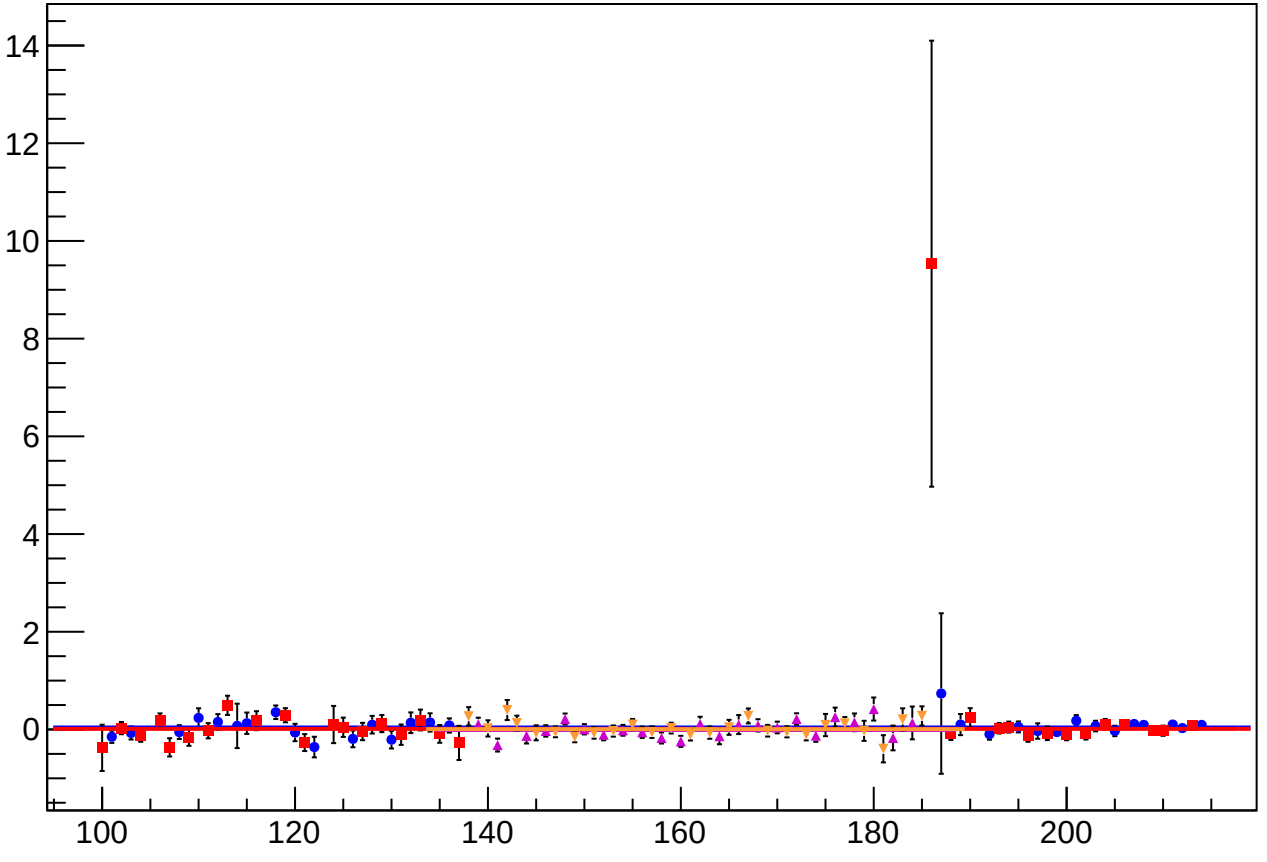
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 78.983+/-0.010 χ^2/NDF: 3755776.6/54

All: 79.311+/-0.007 χ^2/NDF: 6746131.3/110

- sign 79.645+/-0.010 χ^2/NDF: 2988032.7/55

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.041+/-0.024 χ^2/NDF: 25.2/29

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.024 χ^2/NDF: 36.4/32

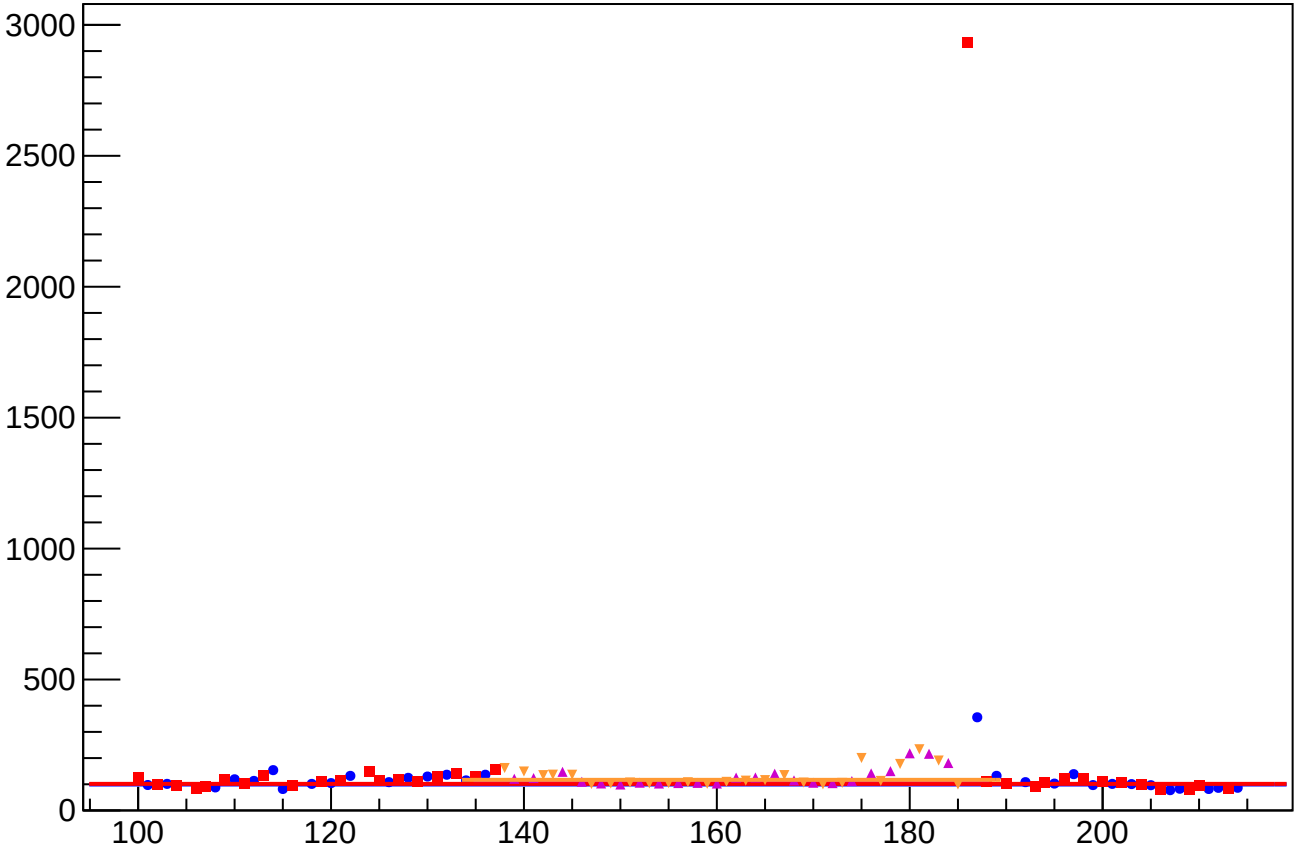
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.026+/-0.018 χ^2/NDF: 47.4/54

All: 0.014+/-0.013 χ^2/NDF: 116.2/110

- sign 0.003+/-0.018 χ^2/NDF: 68.0/55

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 99.095+/-0.017 χ^2/NDF: 1020822.8/29

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 101.504+/-0.017 χ^2/NDF: 1626825.0/32

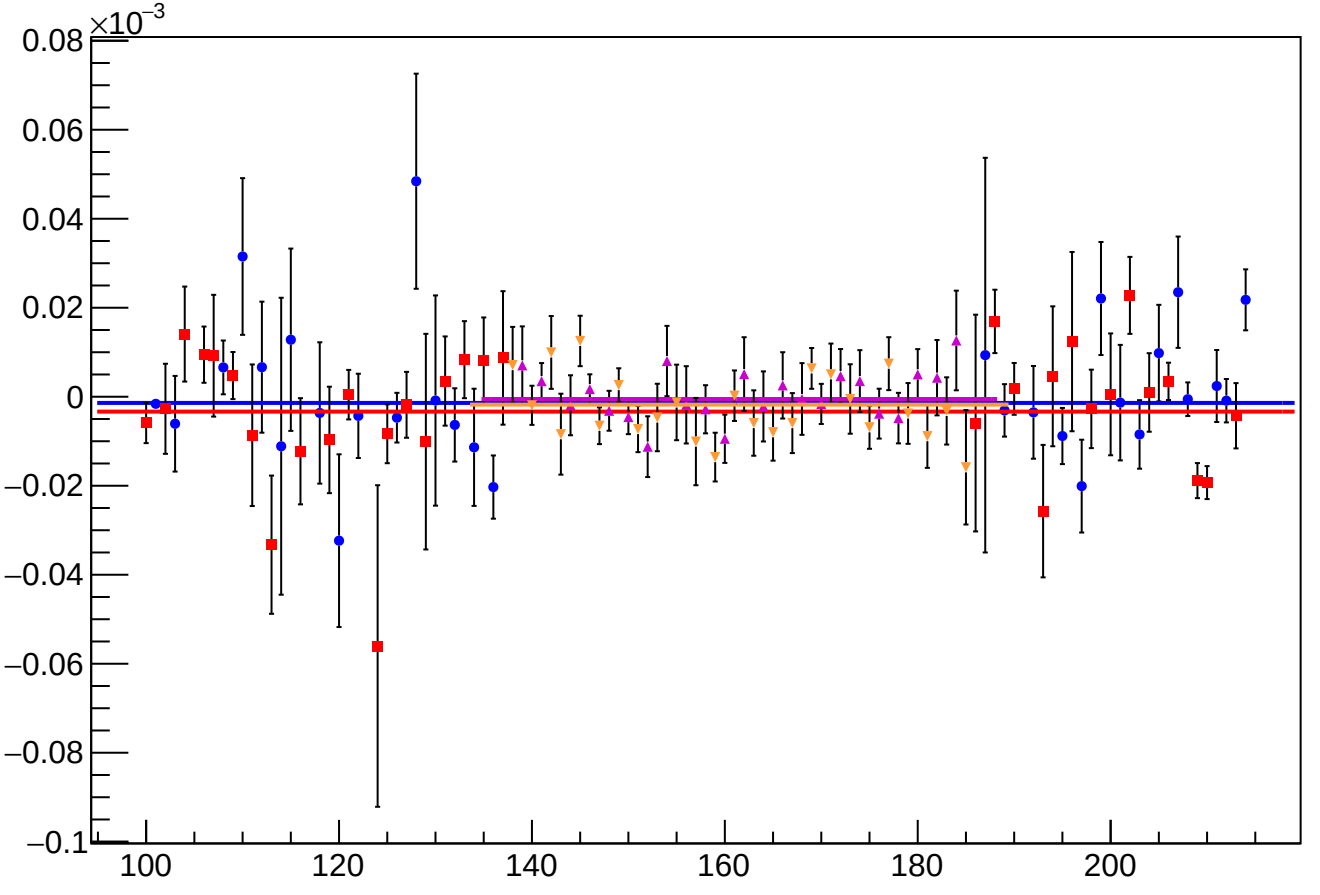
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 106.747+/-0.013 χ^2/NDF: 3085404.9/54

All: 107.200+/-0.009 χ^2/NDF: 6242588.9/110

- sign 107.666+/-0.013 χ^2/NDF: 3154668.7/55

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 47.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 80.7/32

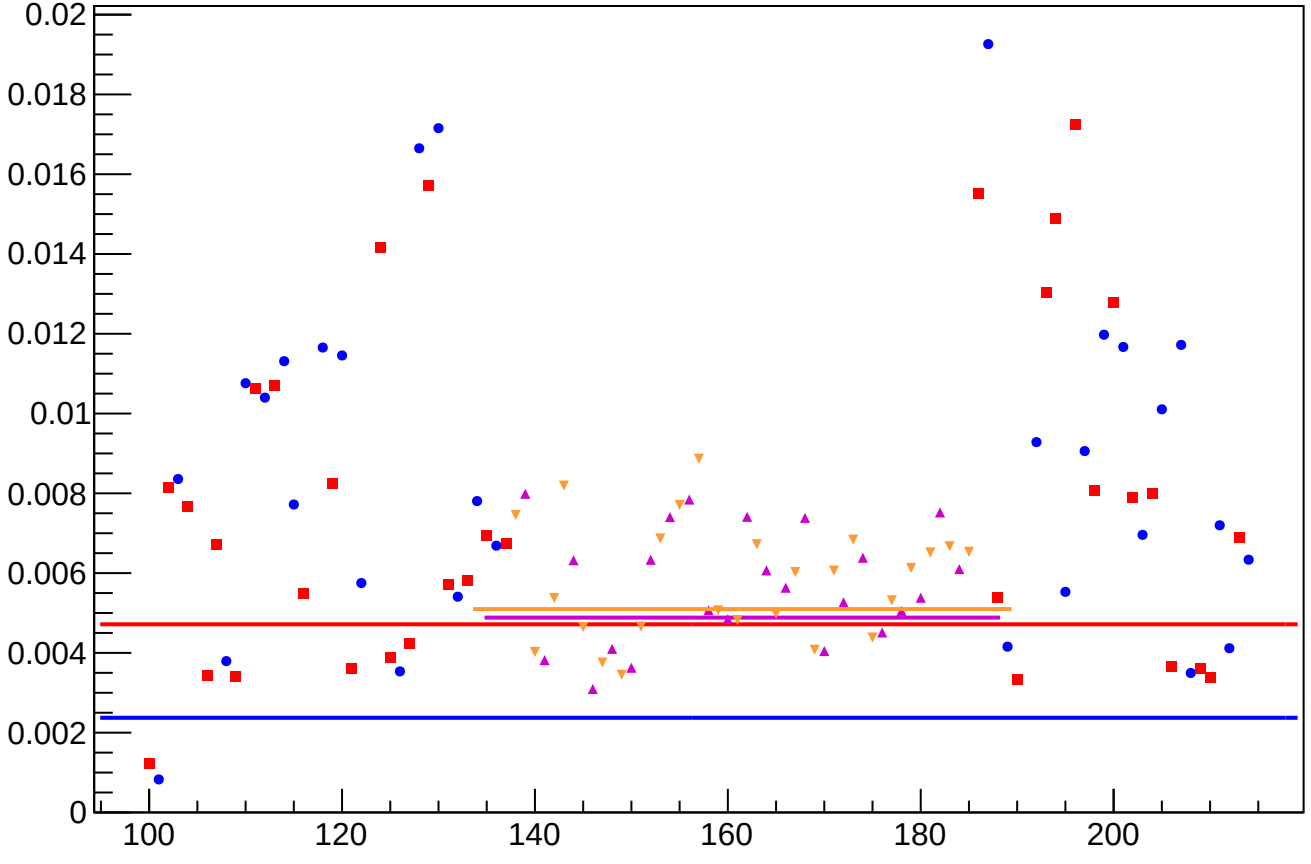
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.5/54

All: -0.000+/-0.000 χ^2/NDF: 177.4/110

- sign -0.000+/-0.000 χ^2/NDF: 98.8/55

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 20225558.7/29

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8449030.3/32

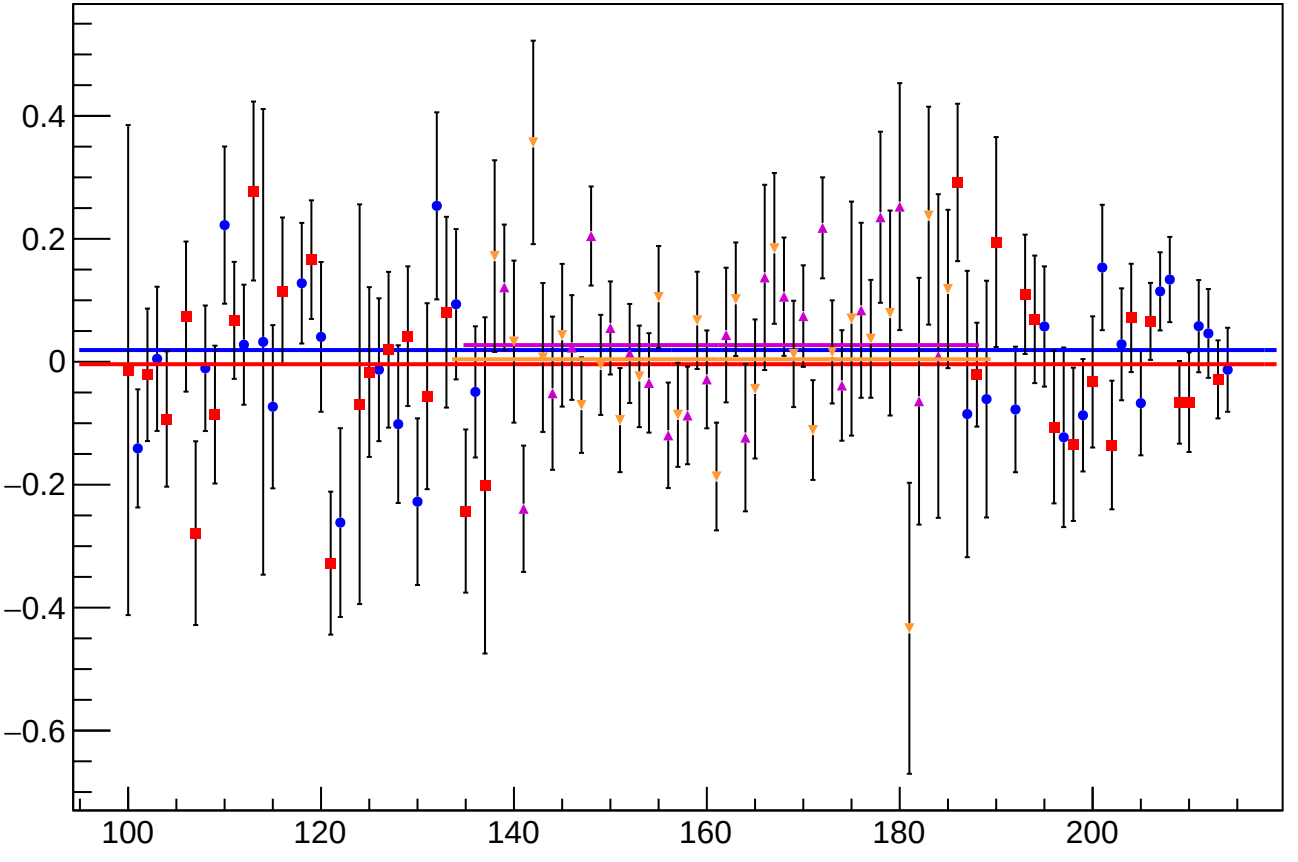
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29281785.7/54

All: 0.004+/-0.000 χ^2/NDF: 44040366.4/110

- sign 0.005+/-0.000 χ^2/NDF: 11192489.1/55

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.019 χ^2/NDF: 30.0/29

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.019 χ^2/NDF: 41.1/32

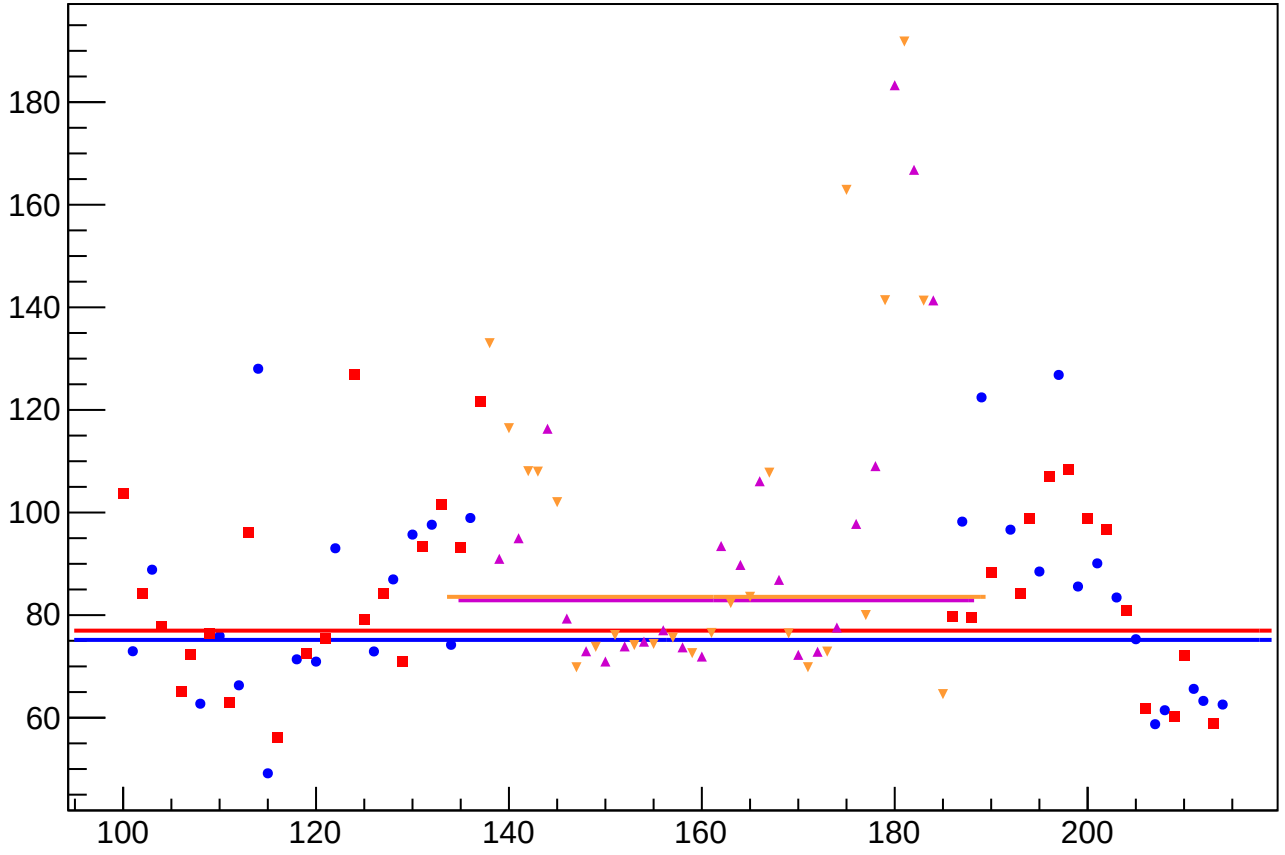
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

\+ sign 0.012+/-0.014 χ^2/NDF: 58.5/54

All: 0.011+/-0.010 χ^2/NDF: 132.8/110

\- sign 0.010+/-0.014 χ^2/NDF: 74.3/55

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 75.169+/-0.013 χ^2/NDF: 1396101.3/29

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

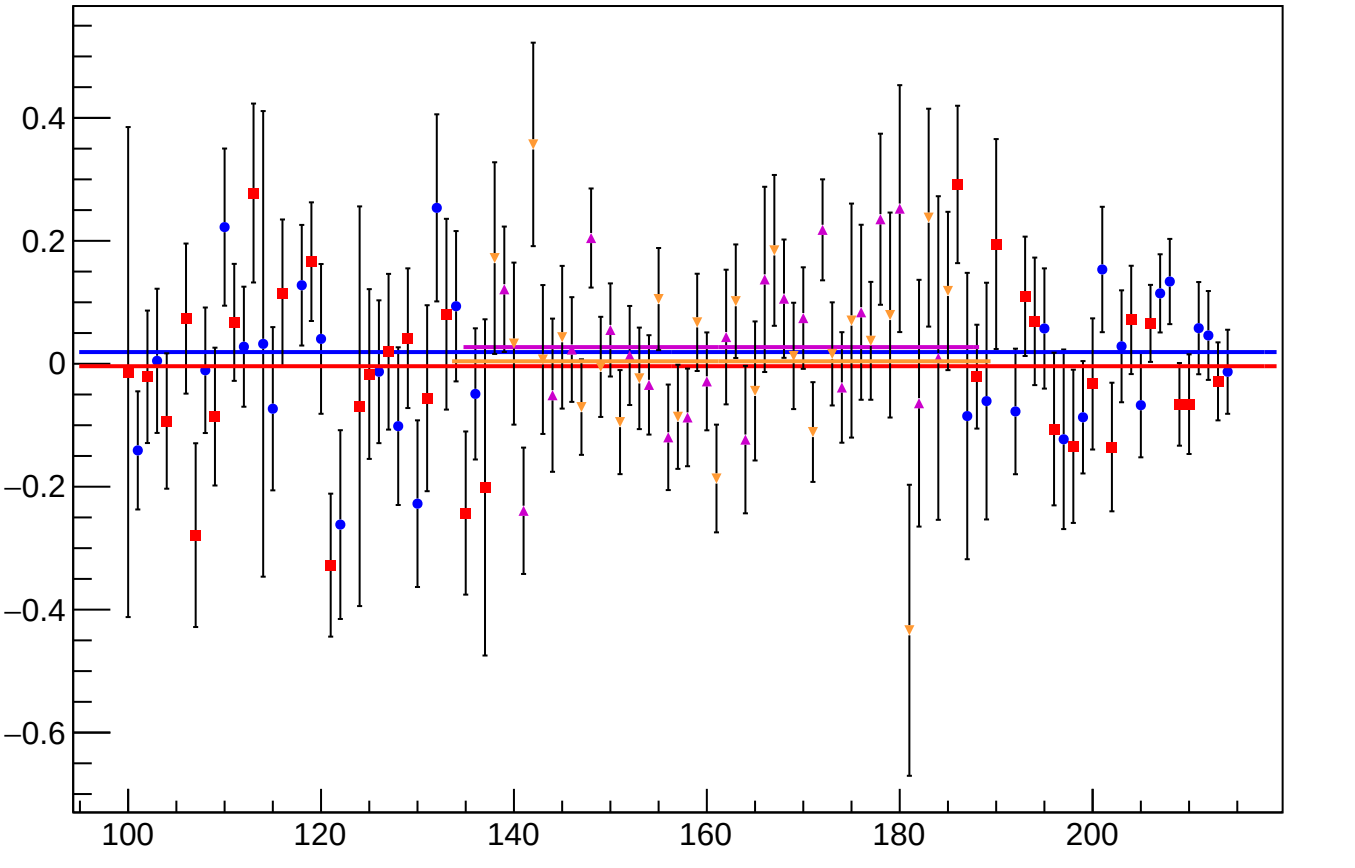
Right Out: 76.976+/-0.013 χ^2/NDF: 1324058.8/32

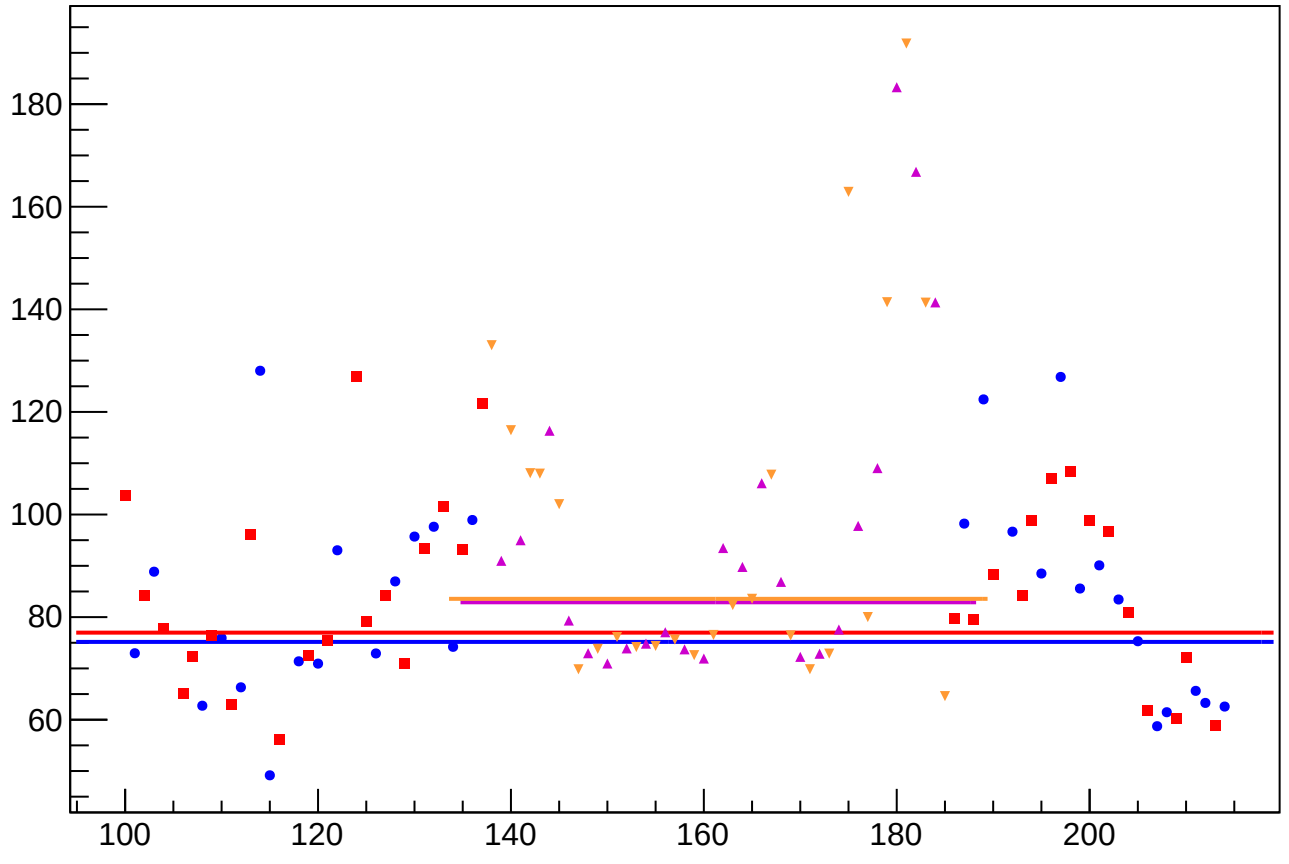
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 78.984+/-0.010 χ^2/NDF: 3755650.6/54

All: 79.312+/-0.007 χ^2/NDF: 6745940.8/110

- sign 79.645+/-0.010 χ^2/NDF: 2987972.4/55


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.019+/-0.019 χ²/NDF: 30.0/29
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.004+/-0.019 χ²/NDF: 41.1/32
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign 0.012+/-0.014 χ²/NDF: 58.5/54
All: 0.011+/-0.010 χ²/NDF: 132.8/110
- sign 0.010+/-0.014 χ²/NDF: 74.3/55



Right In: 75.169+/-0.013 χ^2/NDF: 1396101.3/29

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

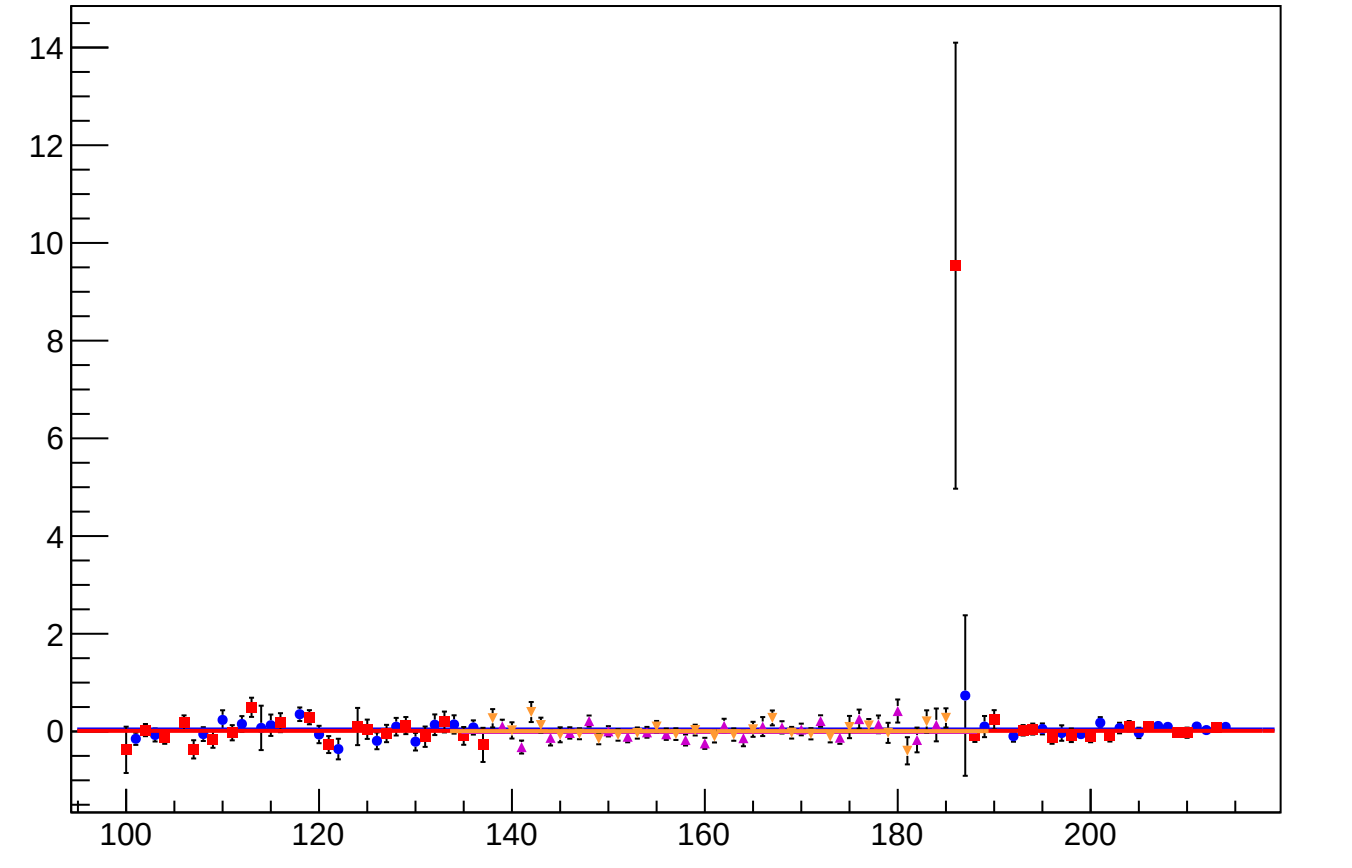
Right Out: 76.976+/-0.013 χ^2/NDF: 1324058.8/32

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

+ sign 78.984+/-0.010 χ^2/NDF: 3755650.6/54

All: 79.312+/-0.007 χ^2/NDF: 6745940.8/110

- sign 79.645+/-0.010 χ^2/NDF: 2987972.4/55



Right In: 0.041+/-0.024 χ^2/NDF: 25.2/29

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.024 χ^2/NDF: 36.4/32

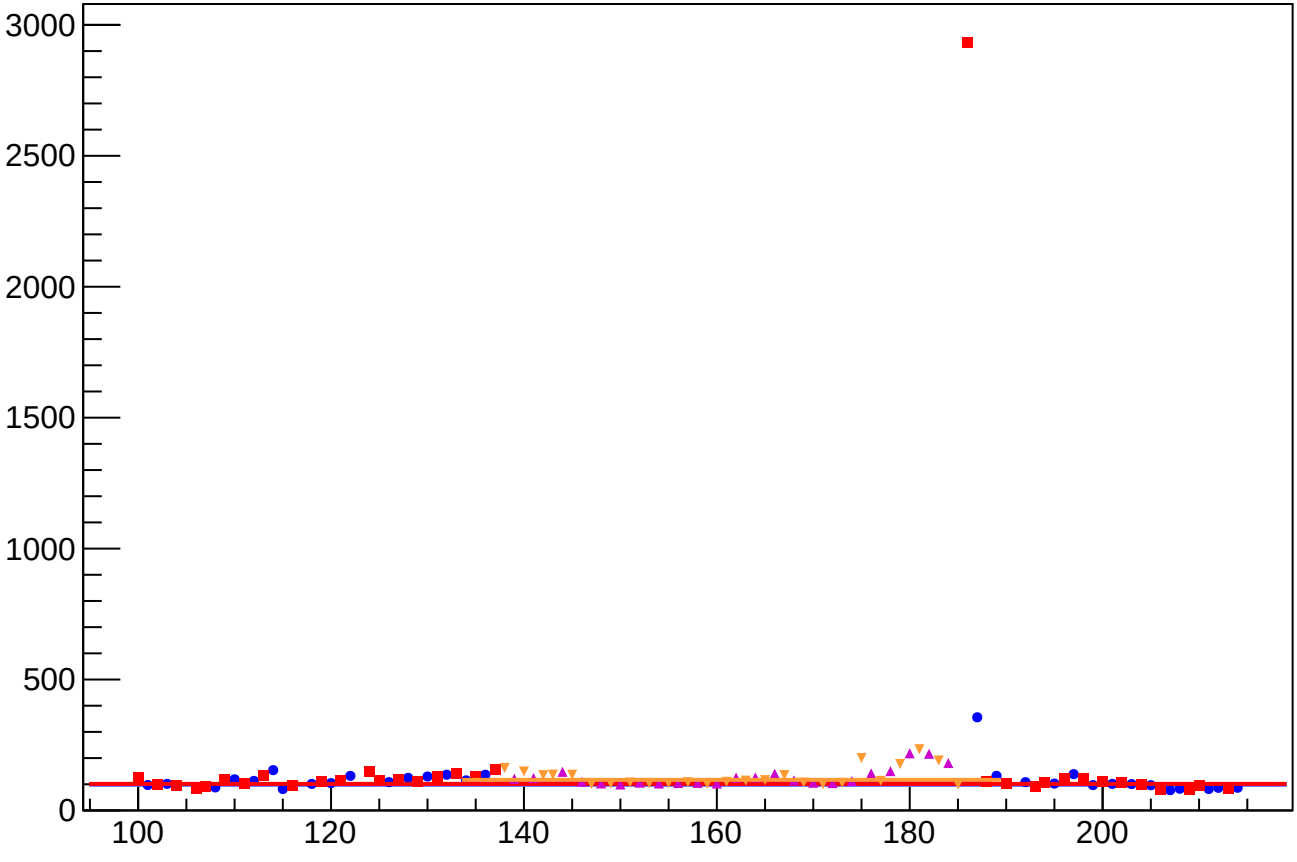
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.026+/-0.018 χ^2/NDF: 47.4/54

All: 0.014+/-0.013 χ^2/NDF: 116.2/110

- sign 0.003+/-0.018 χ^2/NDF: 68.0/55

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 99.095+/-0.017 χ^2/NDF: 1020697.6/29

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

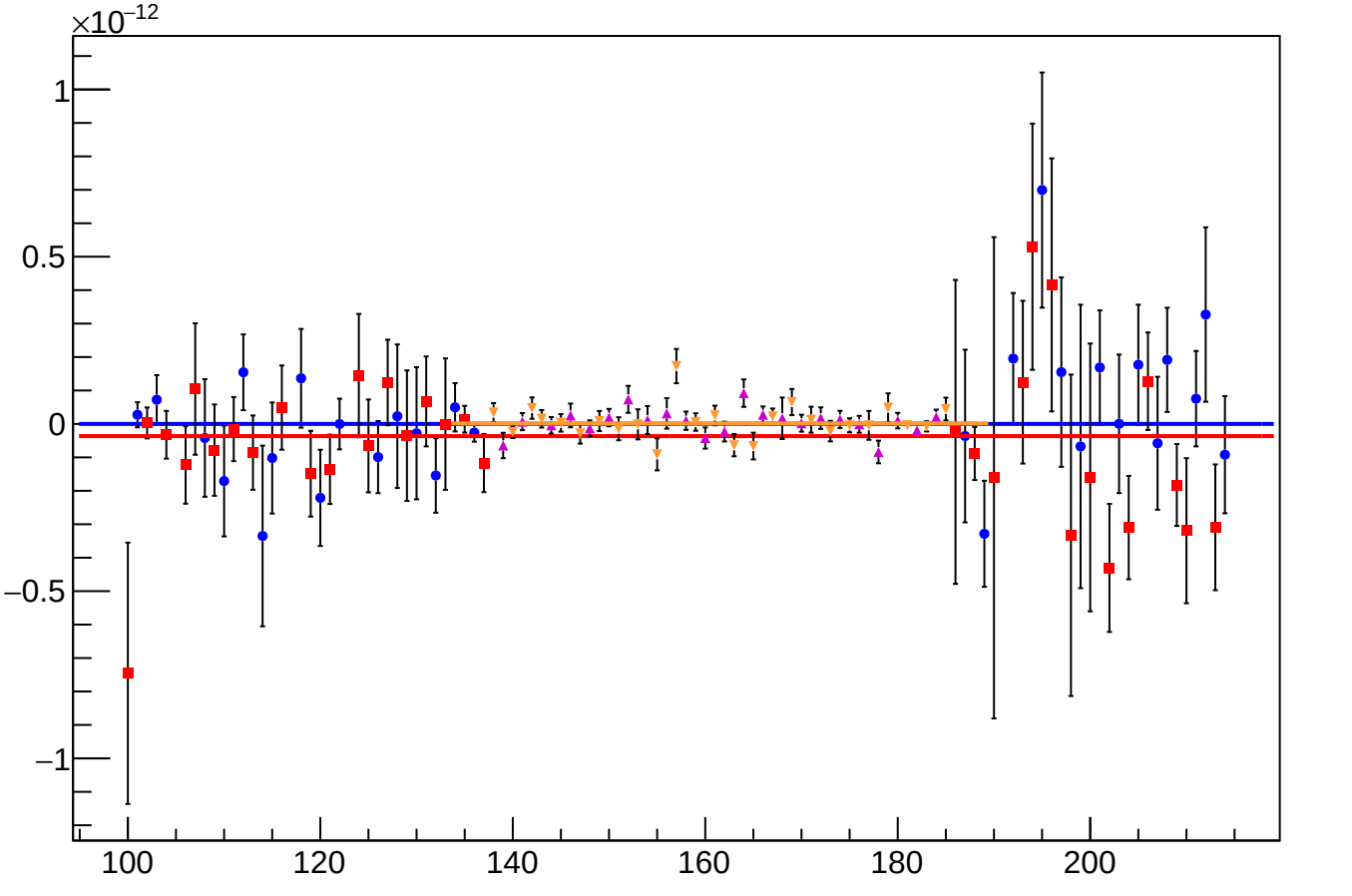
Right Out: 101.504+/-0.017 χ^2/NDF: 1626755.3/32

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 106.747+/-0.013 χ^2/NDF: 3085271.2/54

All: 107.201+/-0.009 χ^2/NDF: 6242394.3/110

- sign 107.666+/-0.013 χ^2/NDF: 3154610.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/29

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

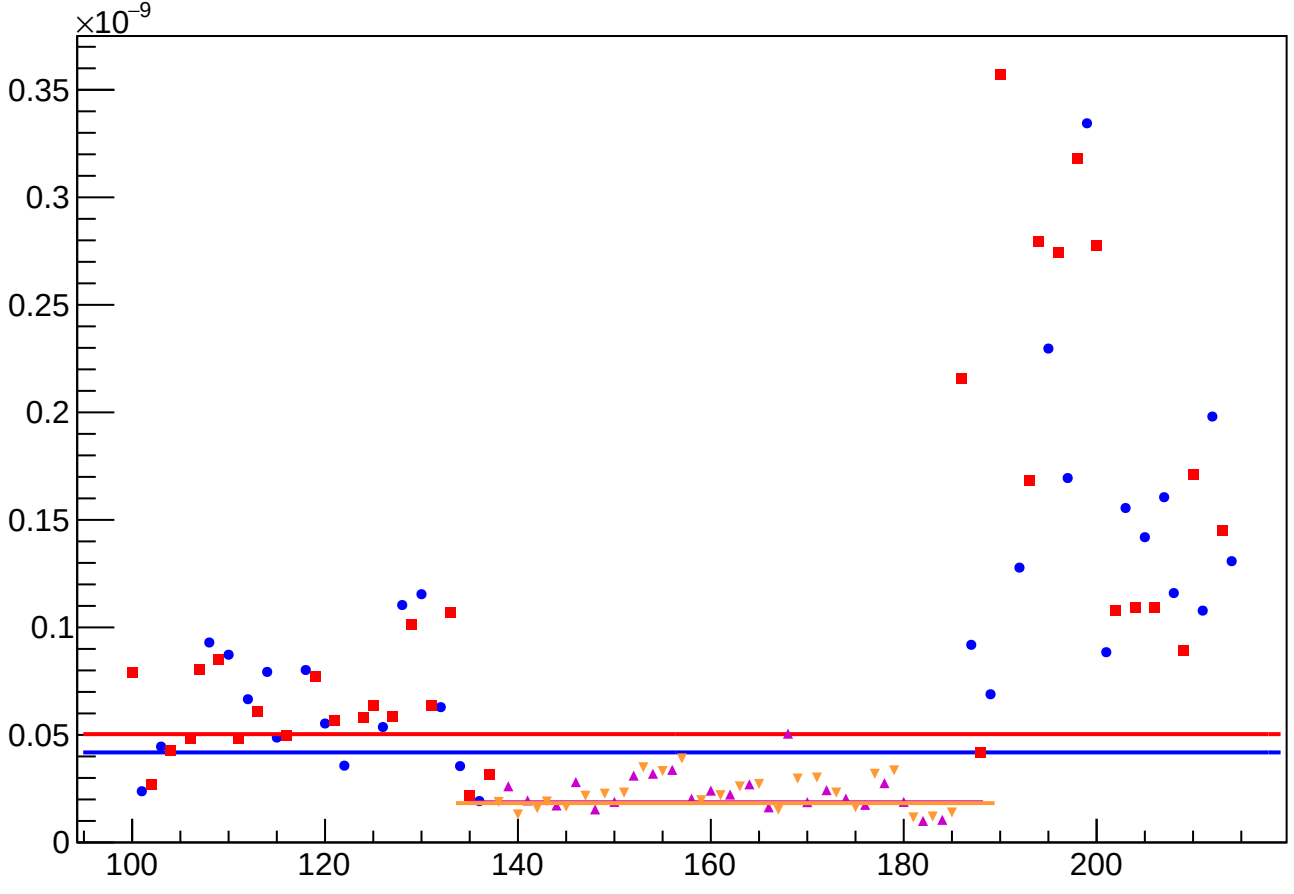
Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/32

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

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/54

All: -0.000+/-0.000 χ^2/NDF: 128.3/110

- sign -0.000+/-0.000 χ^2/NDF: 62.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 9711197.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312093.2/32

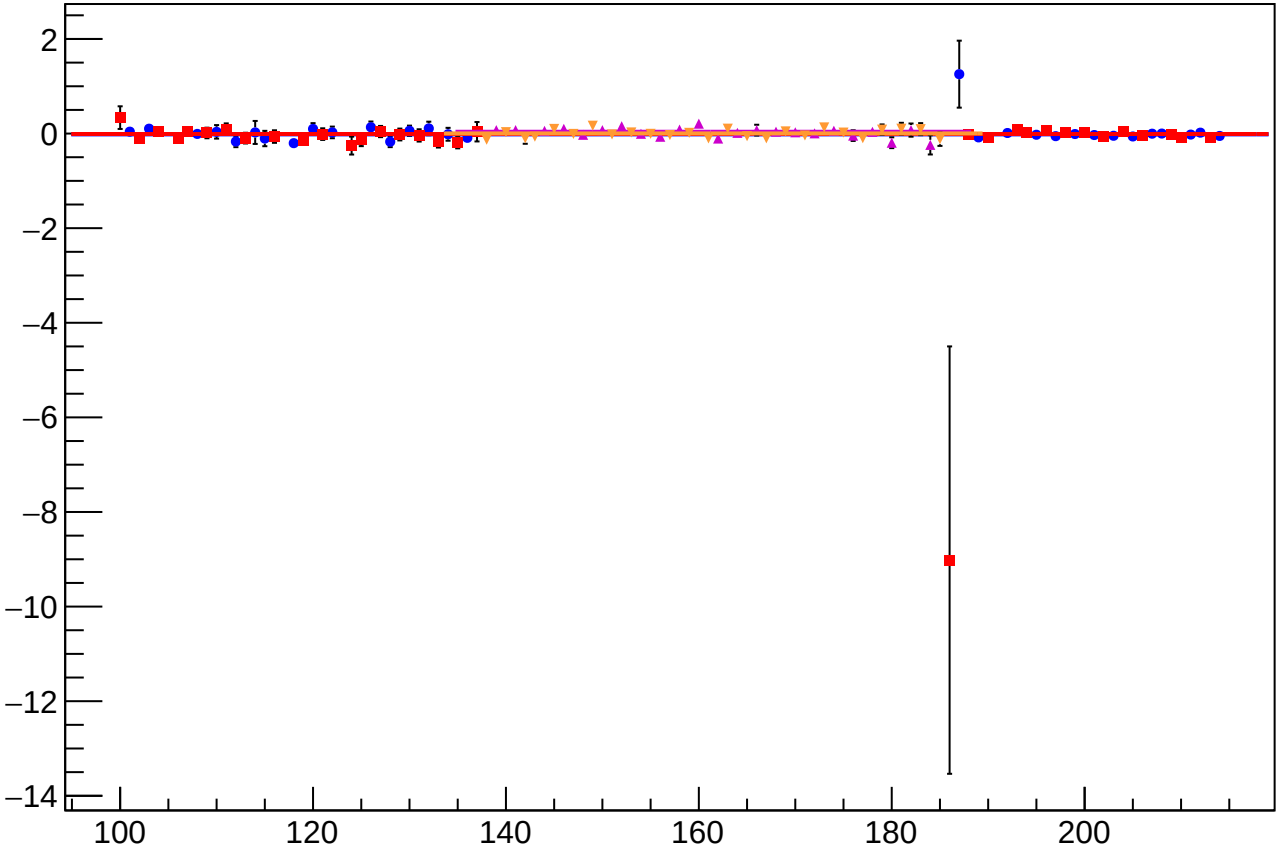
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16245844.7/54

All: 0.000+/-0.000 χ^2/NDF: 32444960.5/110

- sign 0.000+/-0.000 χ^2/NDF: 16181340.6/55

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.017+/-0.012 χ^2/NDF: 24.7/29

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.009+/-0.012 χ^2/NDF: 39.4/32

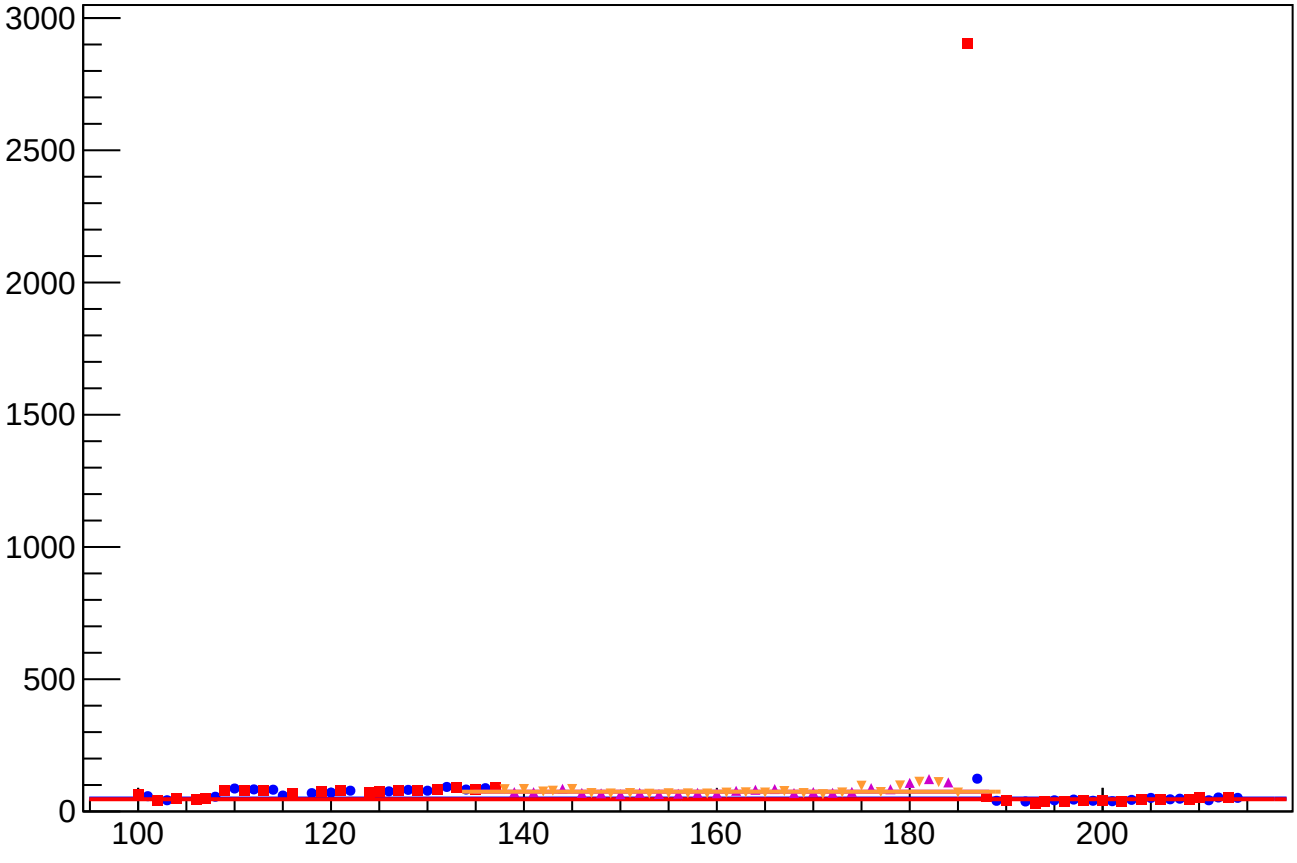
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.011+/-0.010 χ^2/NDF: 47.1/54

All: -0.003+/-0.007 χ^2/NDF: 114.3/110

- sign 0.005+/-0.010 χ^2/NDF: 65.9/55

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.845+/-0.009 χ^2/NDF: 2297027.1/29

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

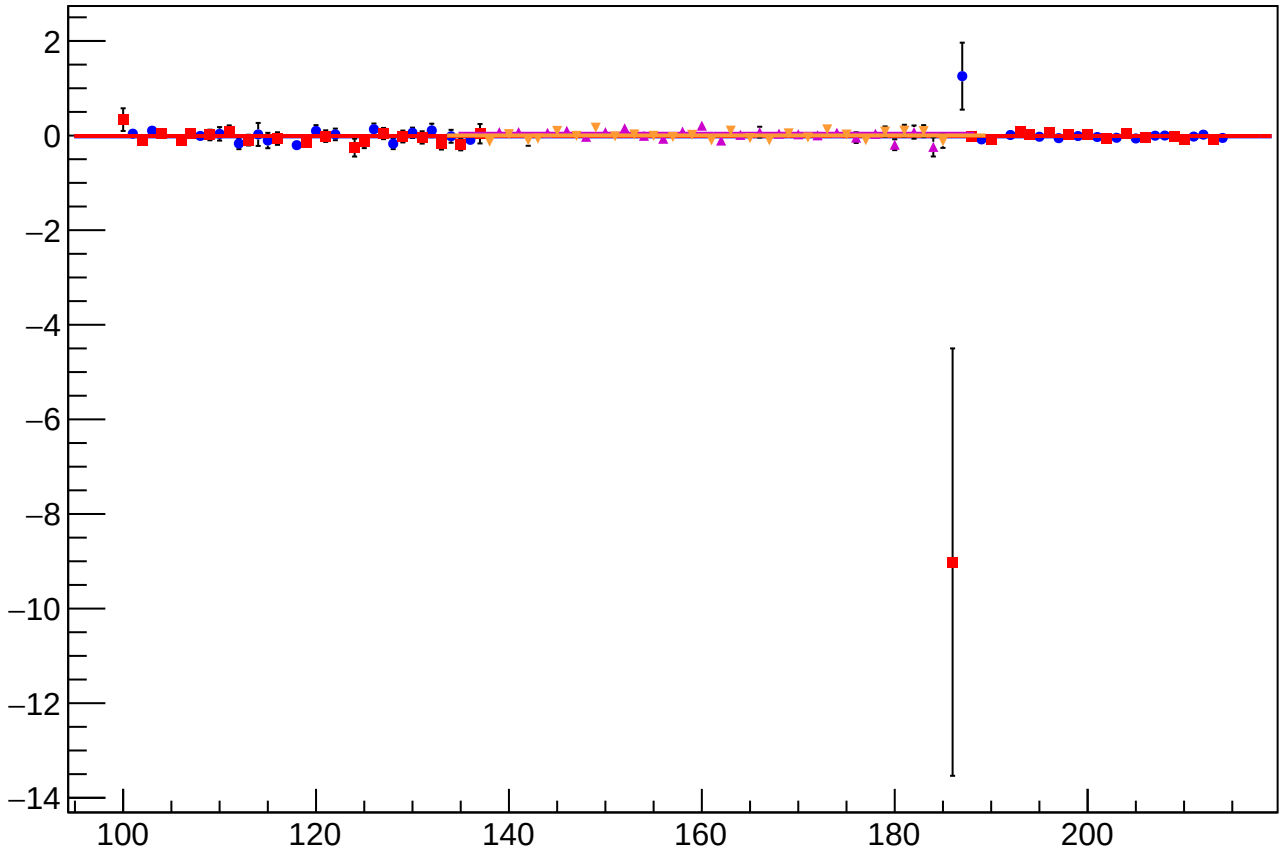
Right Out: 46.175+/-0.008 χ^2/NDF: 3671792.0/32

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.328+/-0.007 χ^2/NDF: 6013553.6/54

All: 55.944+/-0.005 χ^2/NDF: 14028948.8/110

- sign 54.622+/-0.007 χ^2/NDF: 7940065.6/55



Right In: -0.017+/-0.012 χ^2/NDF: 24.7/29

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.009+/-0.012 χ^2/NDF: 39.4/32

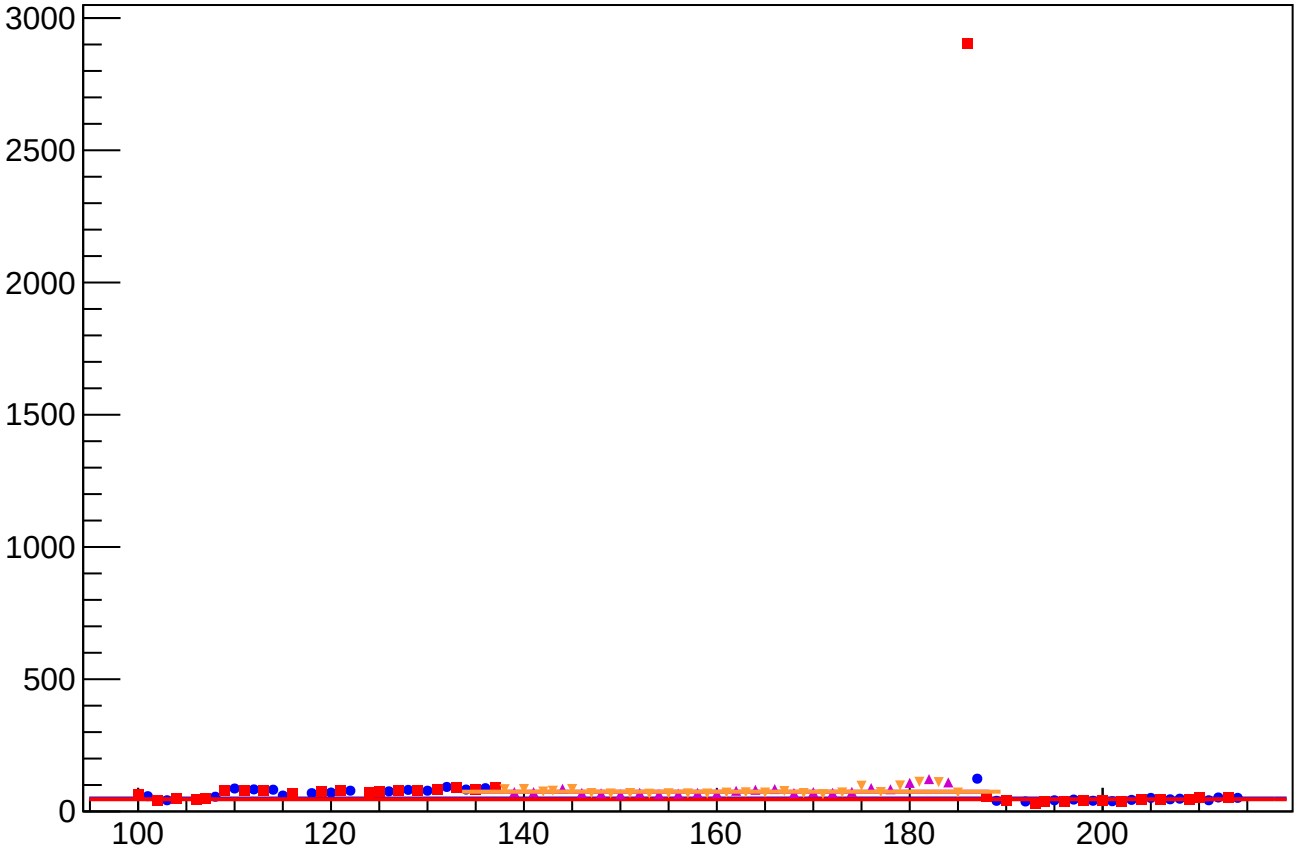
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.011+/-0.010 χ^2/NDF: 47.1/54

All: -0.003+/-0.007 χ^2/NDF: 114.3/110

- sign 0.005+/-0.010 χ^2/NDF: 65.9/55

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.845+/-0.009 χ^2/NDF: 2297027.1/29

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.175+/-0.008 χ^2/NDF: 3671792.0/32

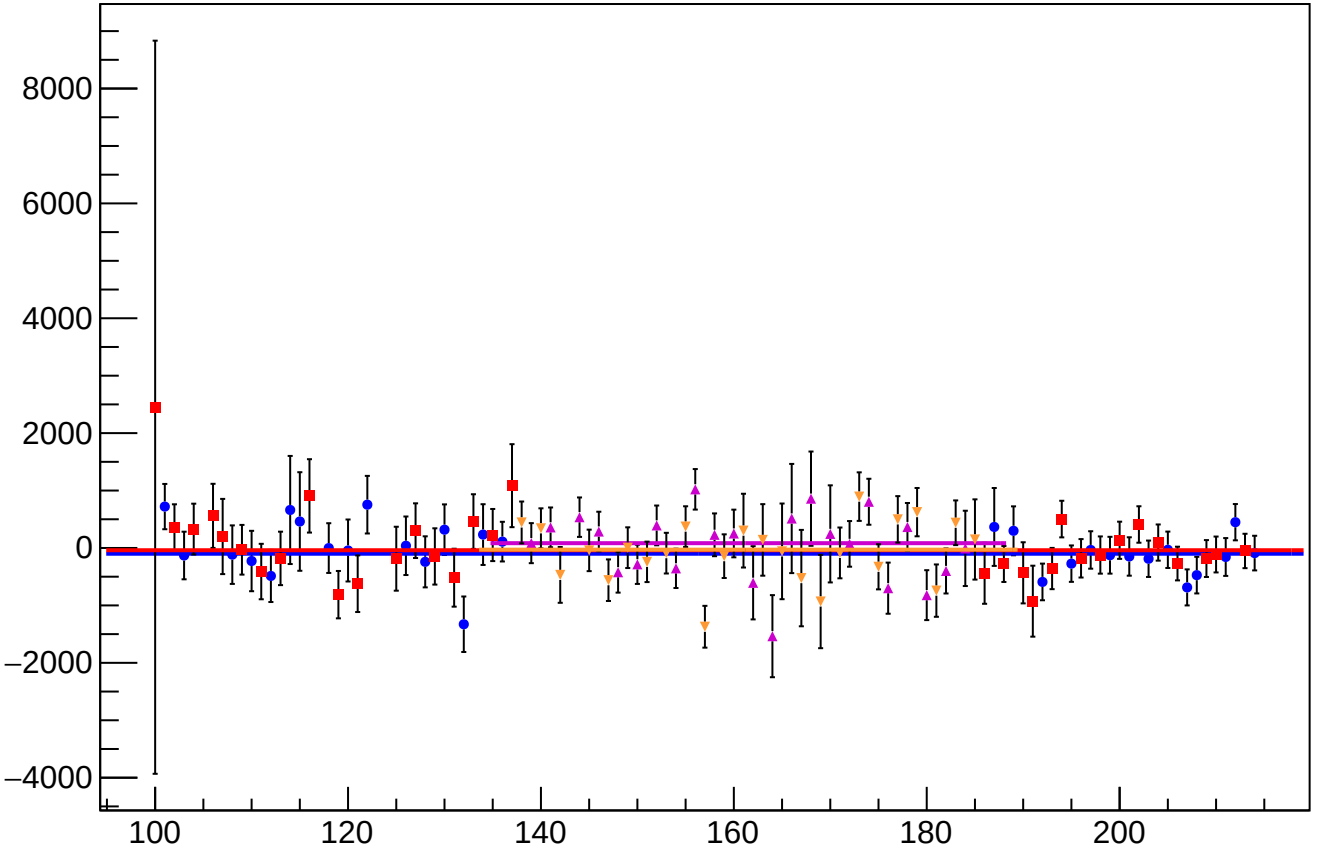
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 57.328+/-0.007 χ^2/NDF: 6013553.6/54

All: 55.944+/-0.005 χ^2/NDF: 14028948.8/110

- sign 54.622+/-0.007 χ^2/NDF: 7940065.6/55

asym_dsl_mean vs Slug



Right In: -100.136+/-71.463 χ^2/NDF: 29.6/29

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -39.151+/-70.963 χ^2/NDF: 27.3/32

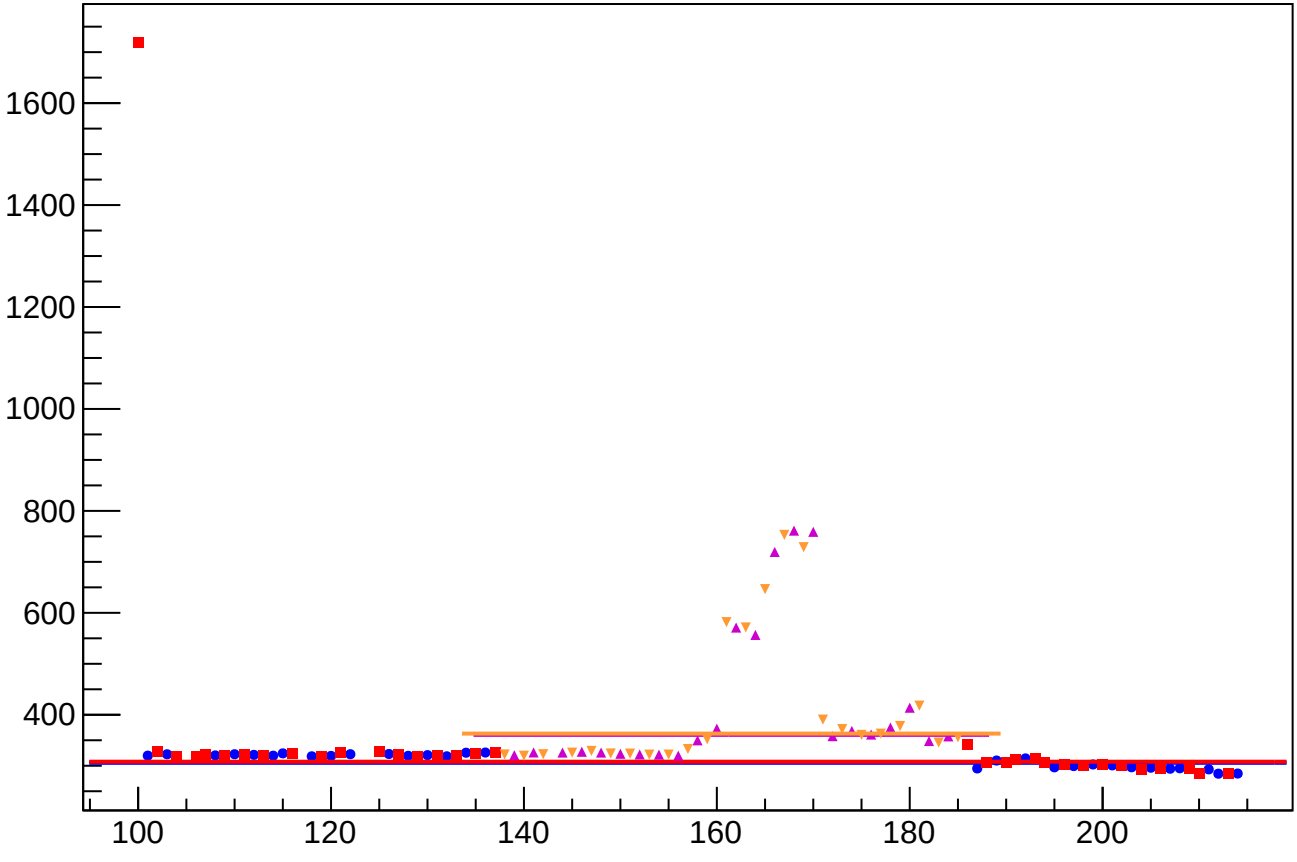
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

\+ sign -71.431+/-55.101 χ^2/NDF: 66.5/53

All: -30.387+/-38.876 χ^2/NDF: 132.0/109

\- sign 10.293+/-54.857 χ^2/NDF: 64.3/55

asym_dsl_rms vs Slug



Right In: 305.771+/-0.051 χ^2/NDF: 71446.5/29

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 307.918+/-0.050 χ^2/NDF: 173559.7/32

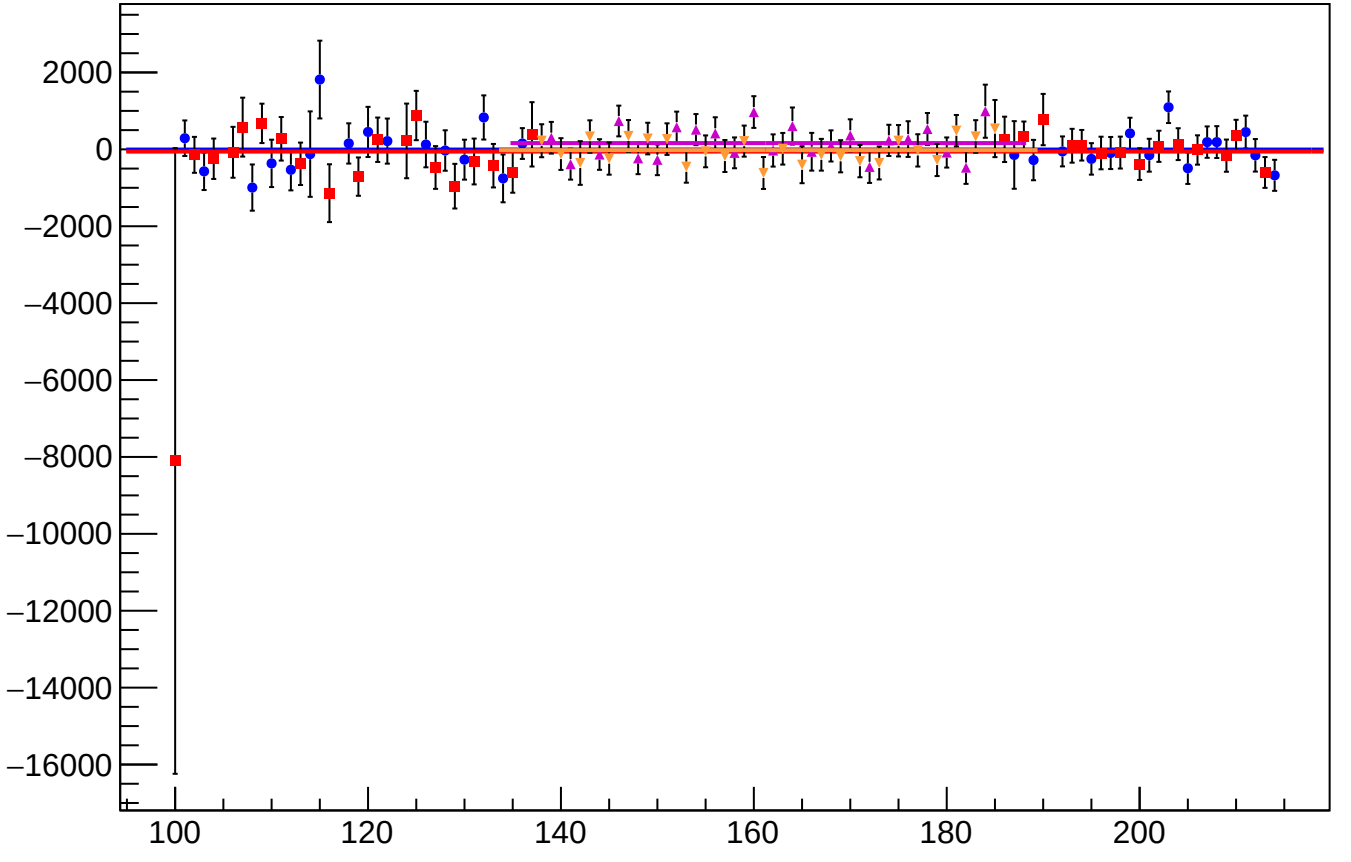
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 329.009+/-0.039 χ^2/NDF: 2388546.3/53

All: 329.061+/-0.027 χ^2/NDF: 4823130.0/109

- sign 329.112+/-0.039 χ^2/NDF: 2434580.2/55

asym_dsr_mean vs Slug



Right In: -5.307+/-89.046 χ^2/NDF: 28.7/29

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -58.303+/-88.157 χ^2/NDF: 22.7/32

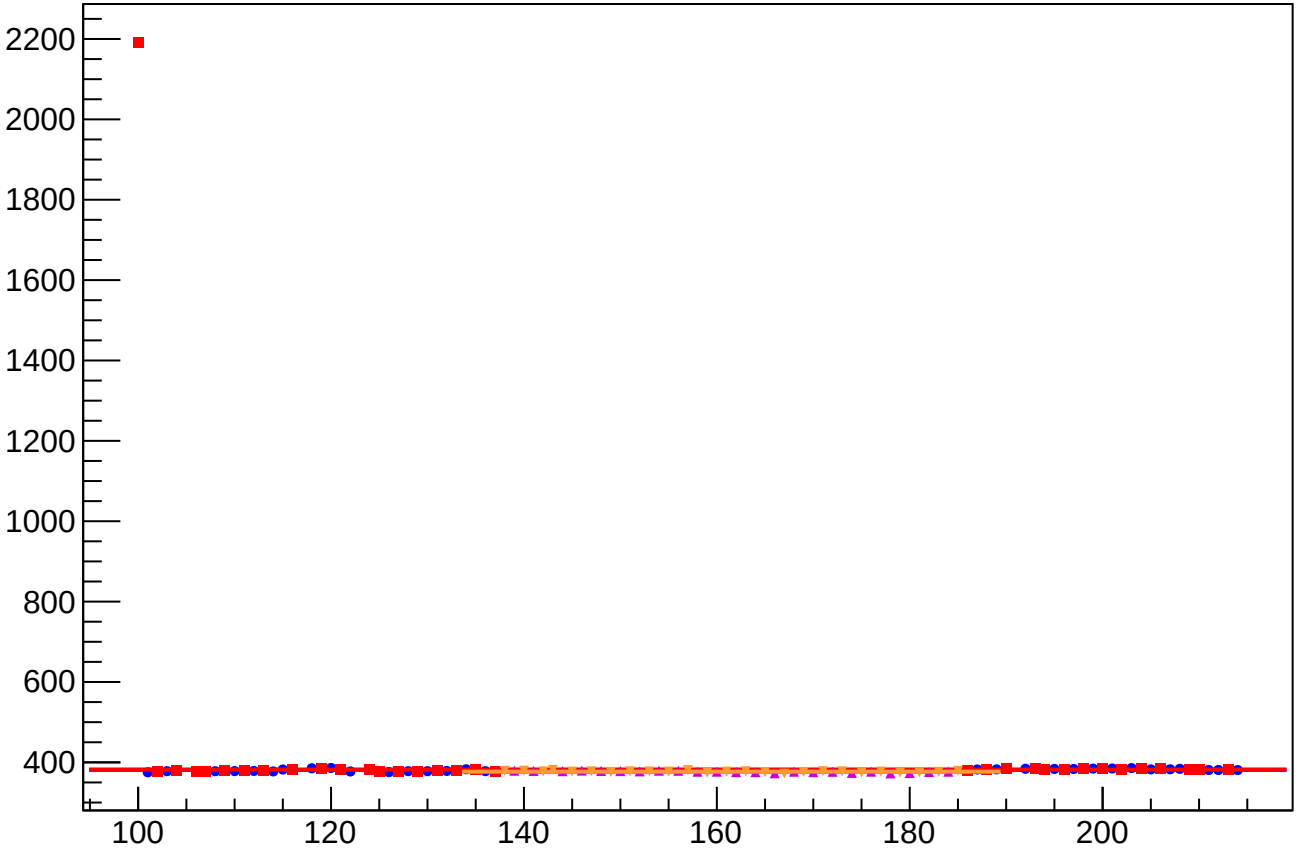
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -13.493+/-61.718 χ^2/NDF: 41.3/54

All: 19.232+/-43.838 χ^2/NDF: 89.5/110

- sign 52.553+/-62.278 χ^2/NDF: 47.6/55

asym_dsr_rms vs Slug



Right In: 381.429+/-0.063 χ^2/NDF: 2252.9/29

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

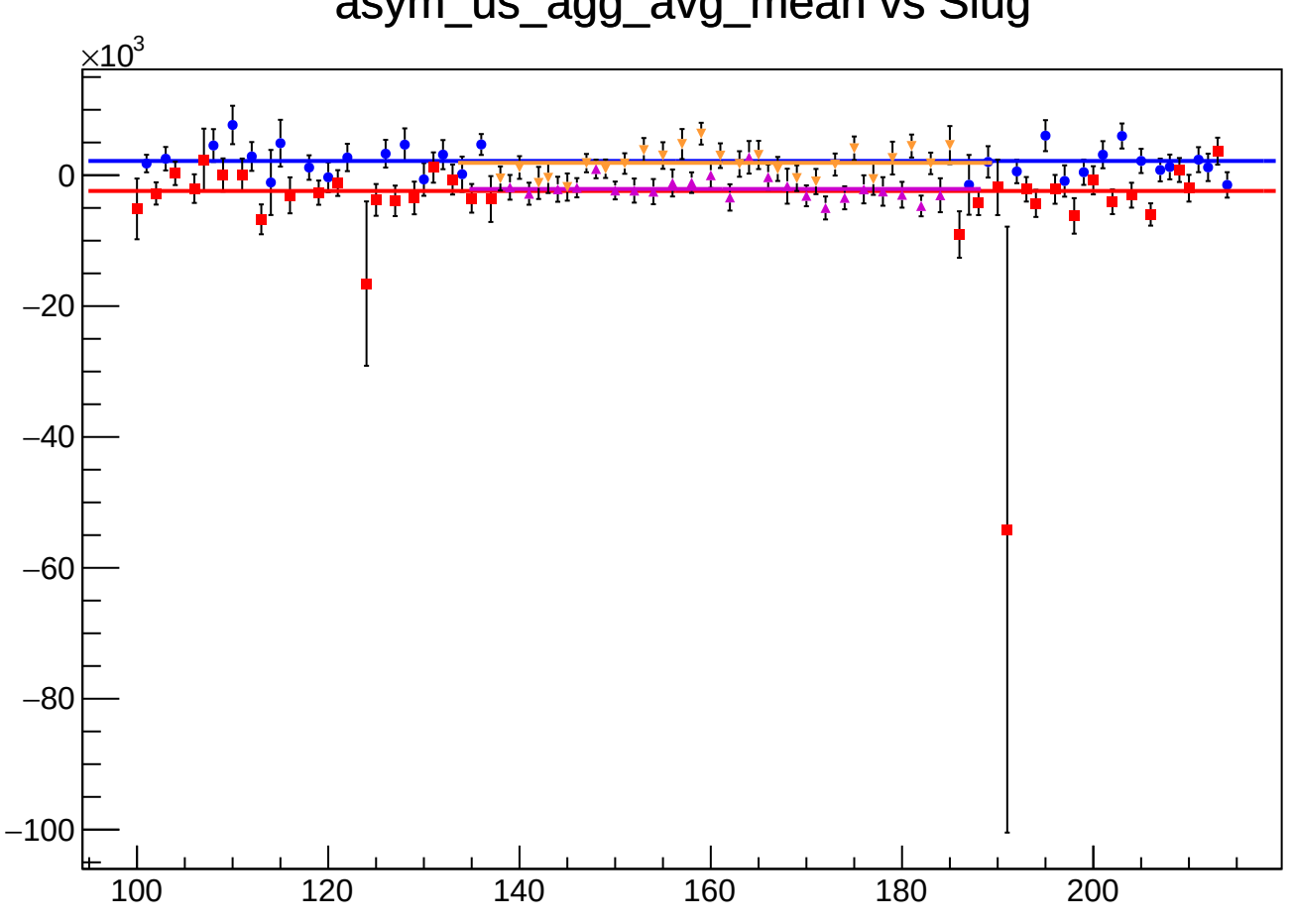
Right Out: 381.956+/-0.062 χ^2/NDF: 100695.3/32

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

\+ sign 379.079+/-0.044 χ^2/NDF: 5992.2/54

All: 379.236+/-0.031 χ^2/NDF: 111153.8/110

\- sign 379.396+/-0.044 χ^2/NDF: 105135.4/55



Right In: 2176.587+/-383.920 χ^2/NDF: 28.4/29

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2407.028+/-392.361 χ^2/NDF: 41.4/33

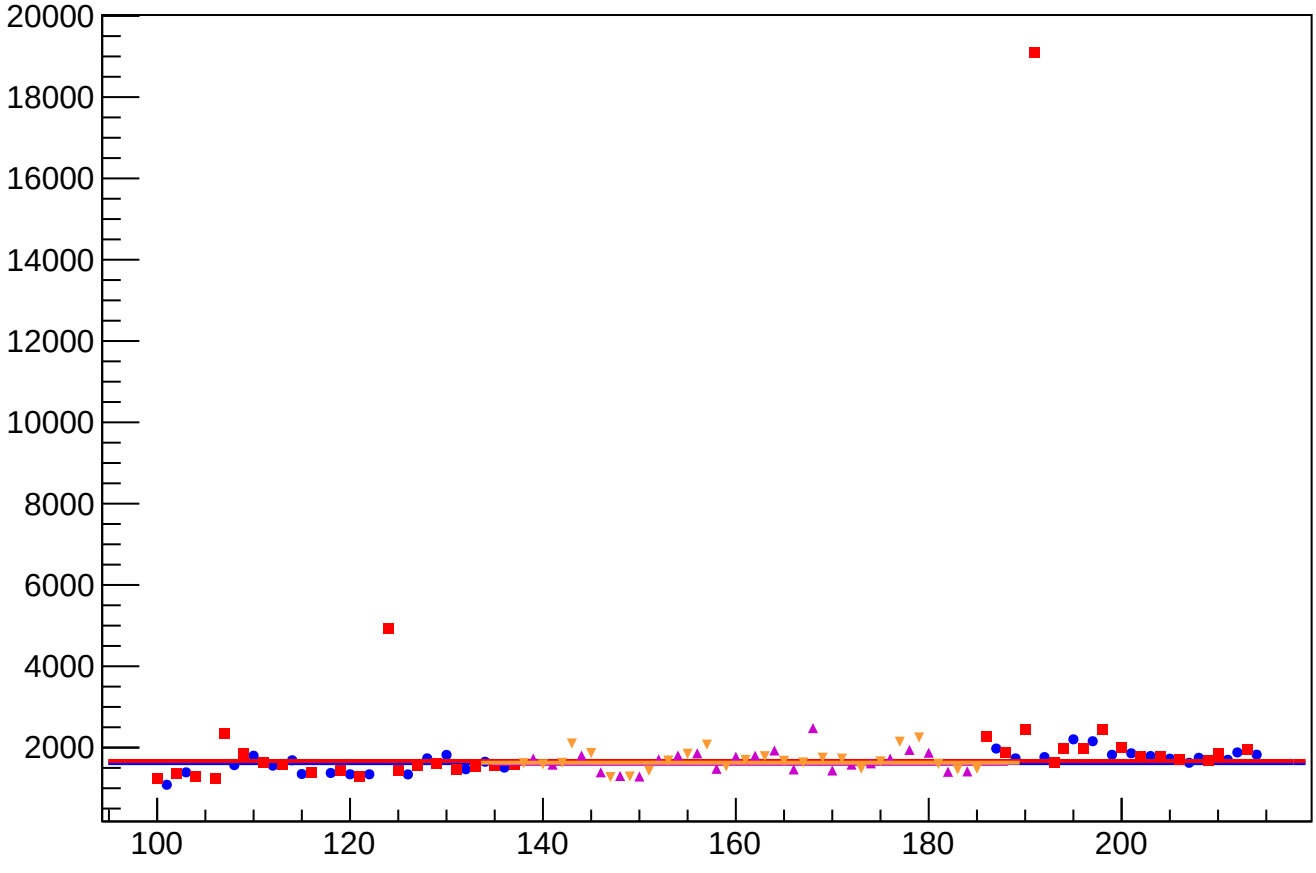
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2030.651+/-268.369 χ^2/NDF: 57.0/54

All: -76.593+/-191.249 χ^2/NDF: 242.6/111

- sign -2251.019+/-272.614 χ^2/NDF: 60.3/56

asym_us_agg_avg_rms vs Slug



Right In: 1617.804+/-0.271 χ^2/NDF: 933295.7/29

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1671.088+/-0.277 χ^2/NDF: 1420359.9/33

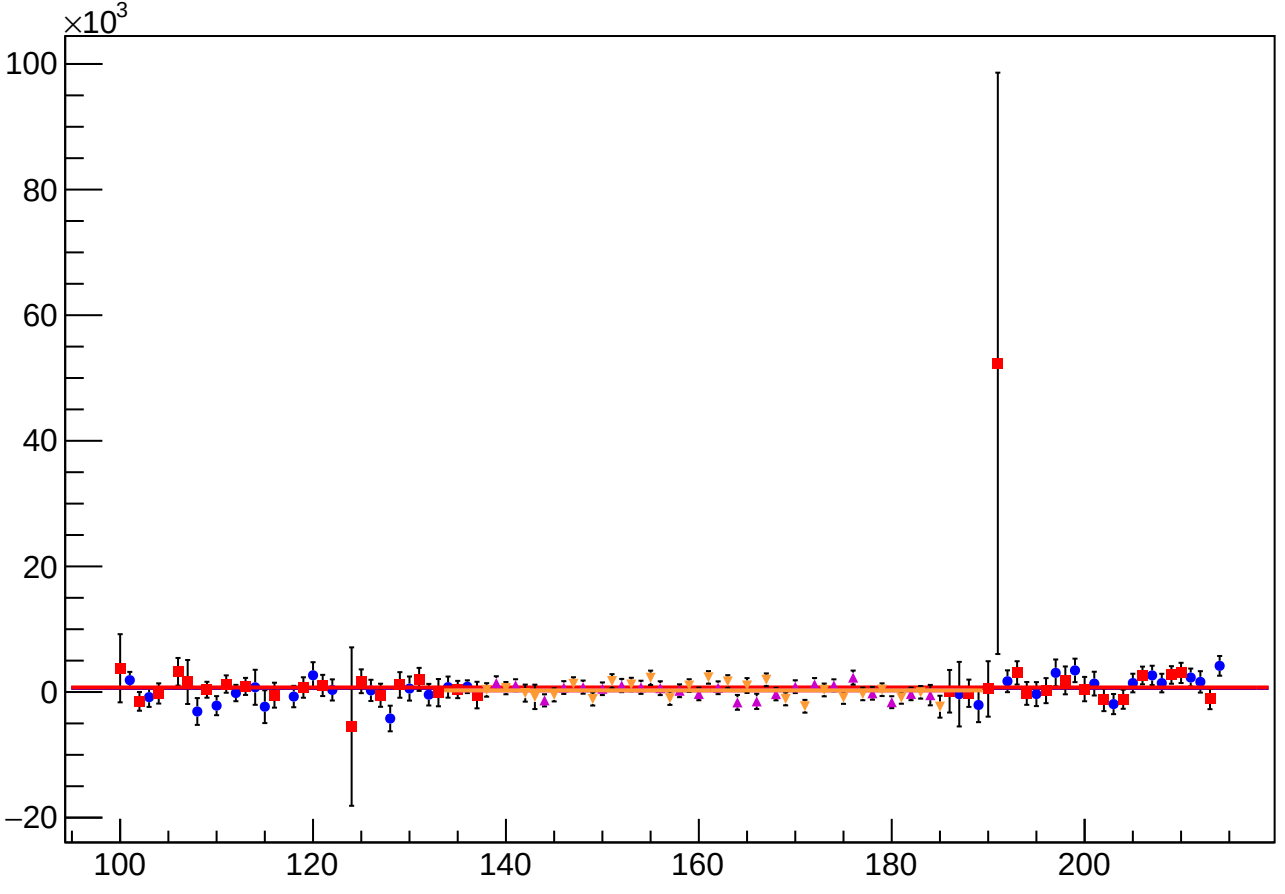
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1623.263+/-0.190 χ^2/NDF: 1713181.0/54

All: 1629.085+/-0.135 χ^2/NDF: 3961720.1/11

- sign 1635.092+/-0.193 χ^2/NDF: 2246626.8/56

asym_us_agg_dd_mean vs Slug



Right In: 641.605+/-308.958 χ^2/NDF: 34.6/29

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 724.681+/-315.049 χ^2/NDF: 20.4/33

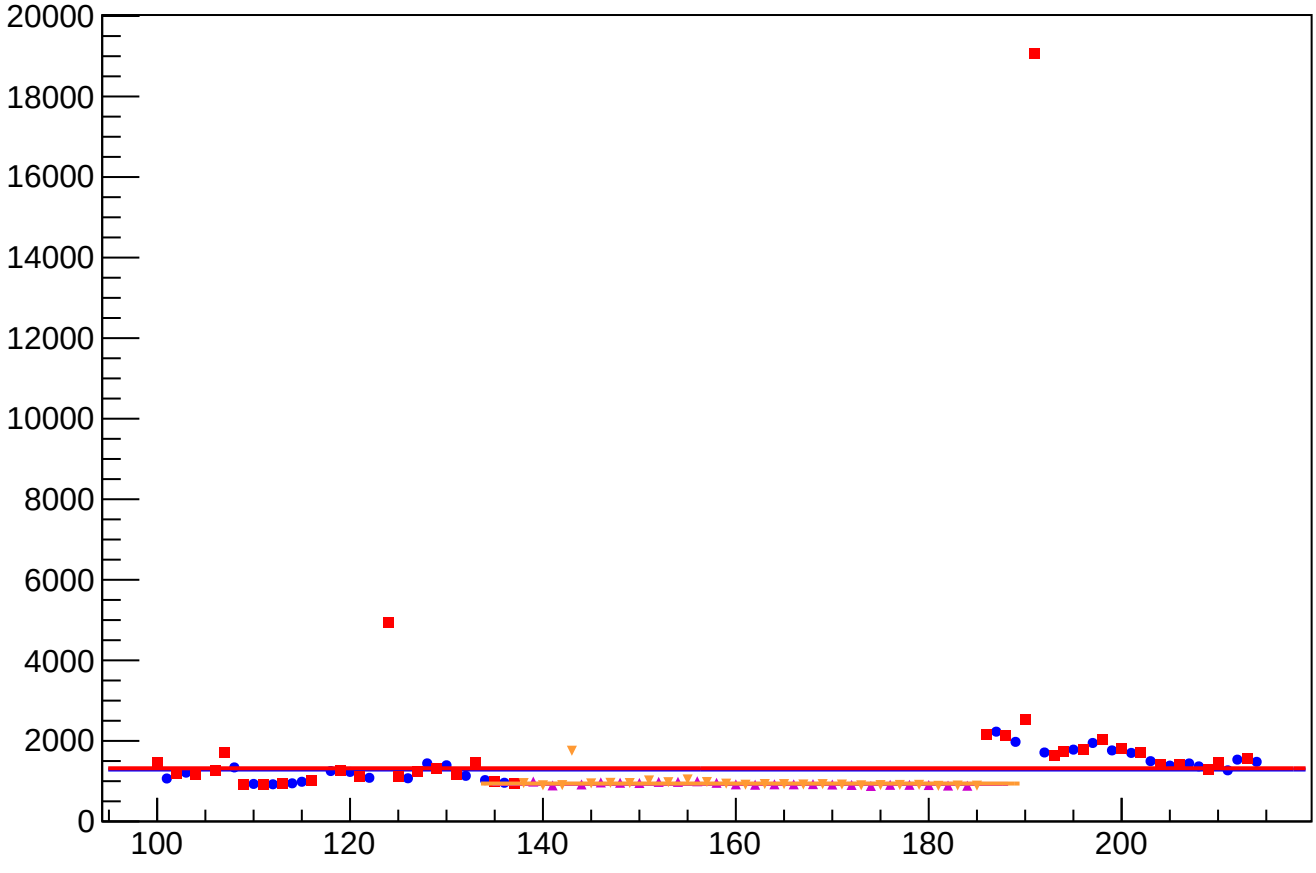
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 386.080+/-176.454 χ^2/NDF: 69.5/54

All: 400.294+/-125.694 χ^2/NDF: 112.7/111

\- sign 414.937+/-179.092 χ^2/NDF: 43.1/56

asym_us_agg_dd_rms vs Slug



Right In: 1288.917+/-0.218 χ^2/NDF: 1744526.8/29

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1320.329+/-0.223 χ^2/NDF: 2698775.0/33

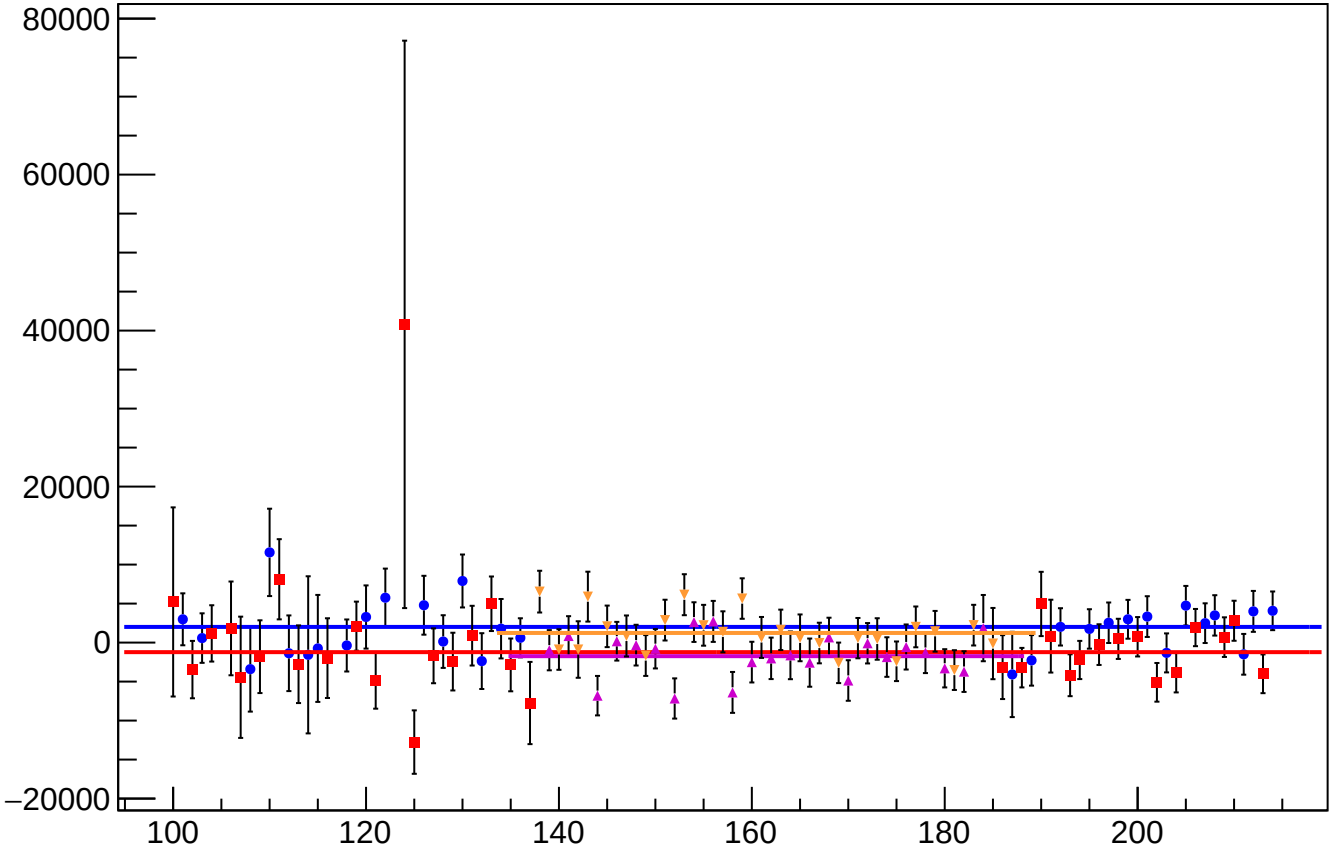
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1054.495+/-0.125 χ^2/NDF: 3871027.3/54

All: 1055.822+/-0.089 χ^2/NDF: 8680286.9/11

- sign 1057.190+/-0.127 χ^2/NDF: 4809029.6/56

reg_asym_atl1_mean vs Slug



Right In: 2008.776+/-568.663 χ^2/NDF: 22.1/29

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1225.757+/-570.233 χ^2/NDF: 37.2/33

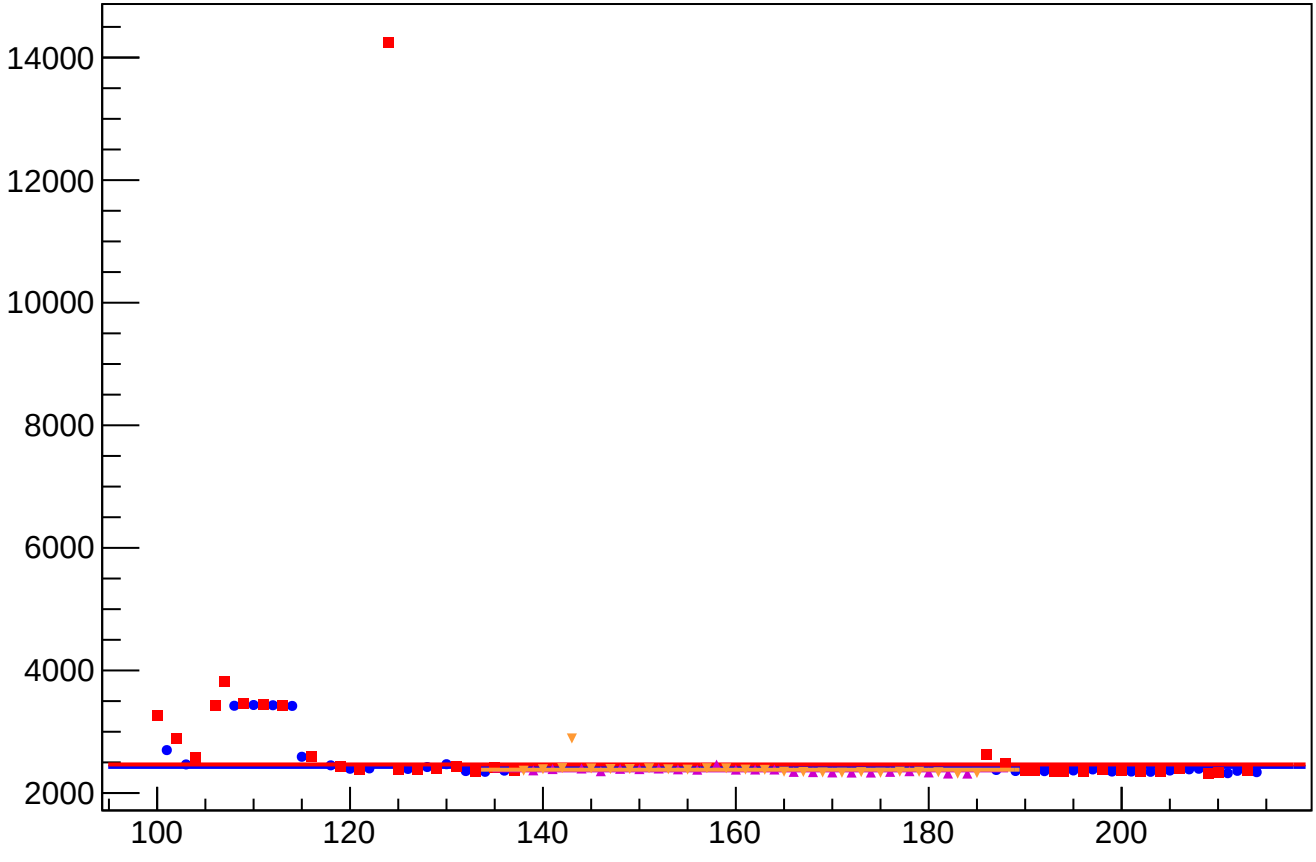
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1602.674+/-392.070 χ^2/NDF: 46.9/54

All: 75.199+/-278.988 χ^2/NDF: 139.7/111

- sign -1491.539+/-397.077 χ^2/NDF: 62.0/56

reg_asym_atl1_rms vs Slug



Right In: 2426.502+/-0.402 χ^2/NDF: 274705.8/29

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2466.459+/-0.403 χ^2/NDF: 650339.0/33

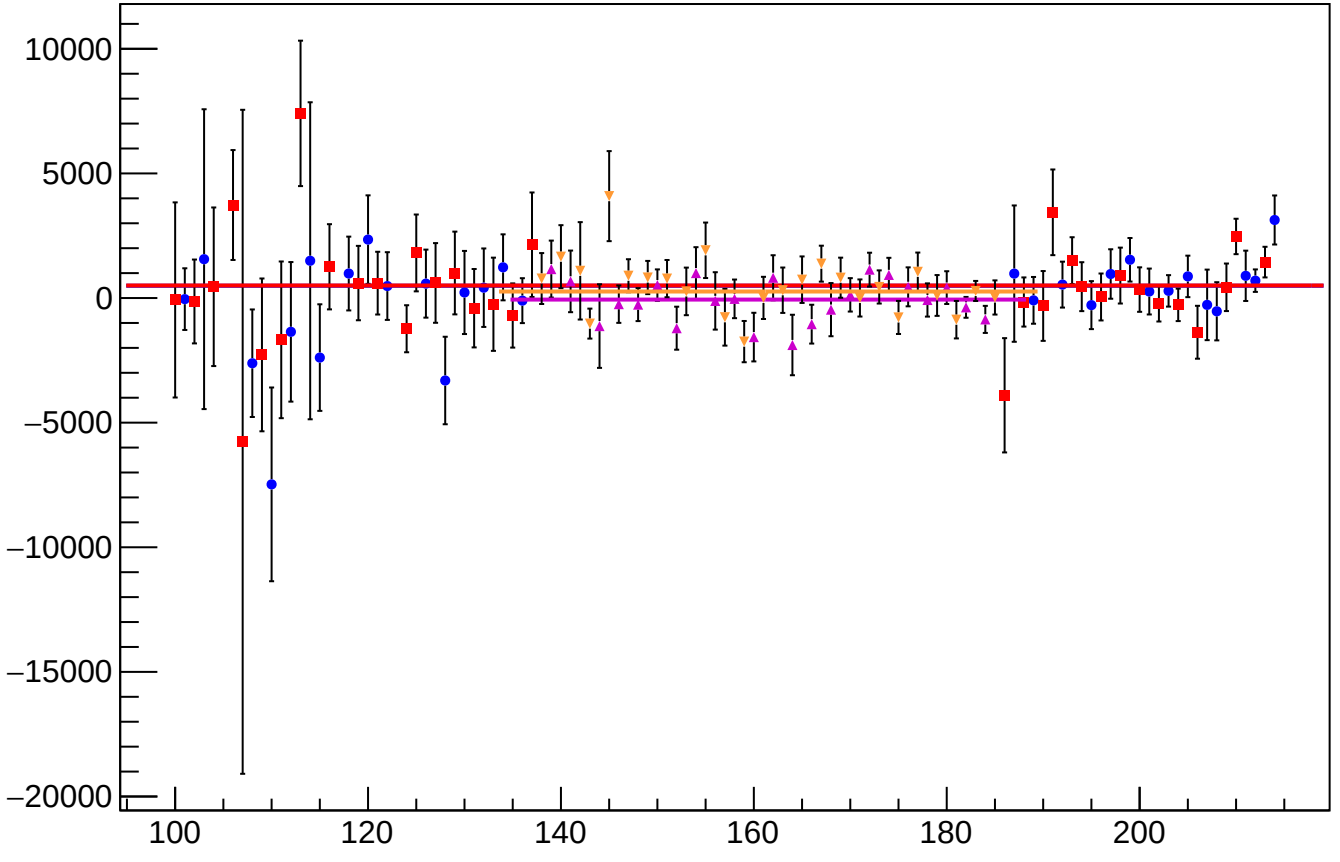
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2402.753+/-0.277 χ^2/NDF: 338977.8/54

All: 2409.517+/-0.197 χ^2/NDF: 1027412.8/11

- sign 2416.455+/-0.281 χ^2/NDF: 687229.2/56

asym_atl1_reg_correction_mean vs Slug



Right In: 493.518+/-199.120 χ^2/NDF: 27.2/29

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 503.087+/-201.383 χ^2/NDF: 40.4/33

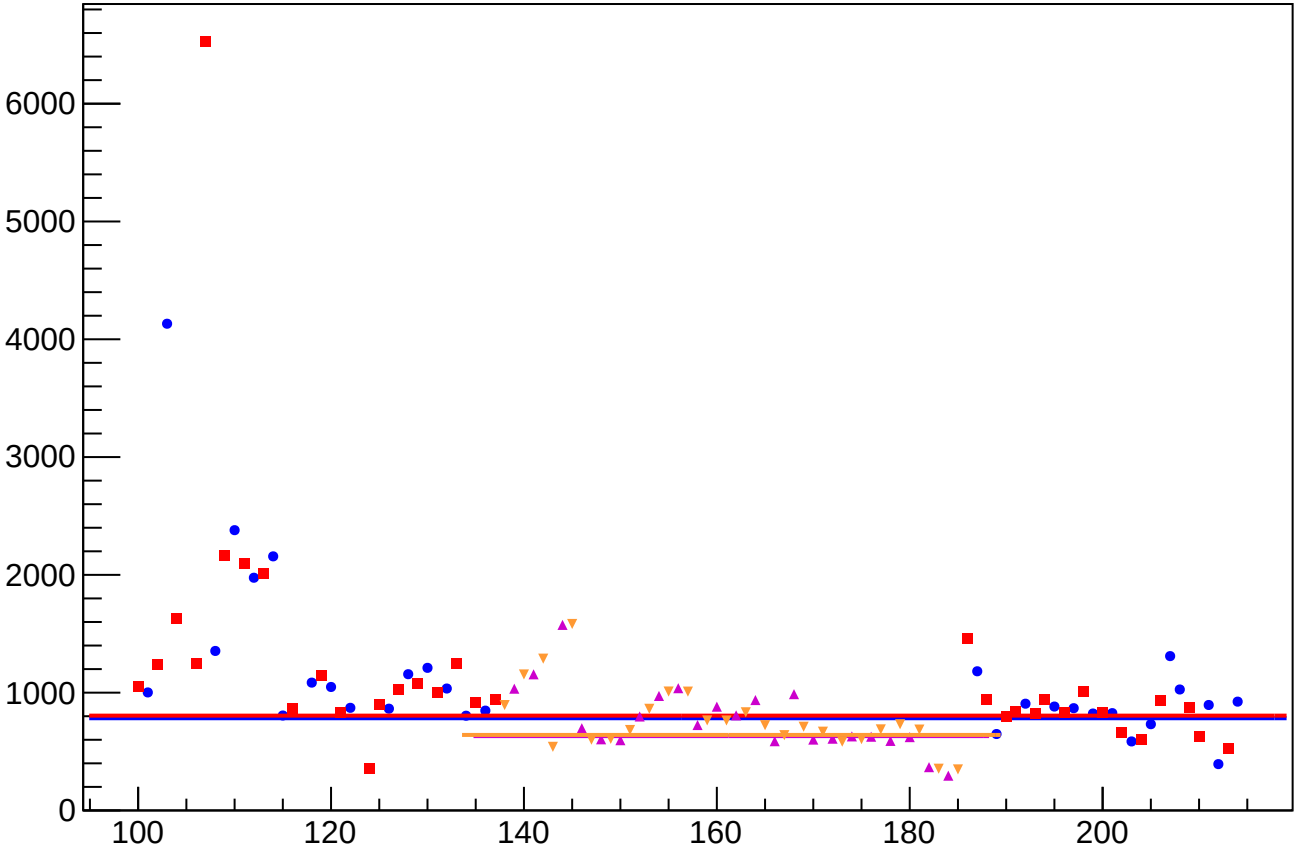
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 348.581+/-121.823 χ^2/NDF: 59.1/54

All: 252.192+/-86.905 χ^2/NDF: 127.7/111

\- sign 152.309+/-124.011 χ^2/NDF: 67.3/56

asym_atl1_reg_correction_rms vs Slug



Right In: 782.837+/-0.141 χ^2/NDF: 4333474.5/29

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 804.973+/-0.142 χ^2/NDF: 3784354.6/33

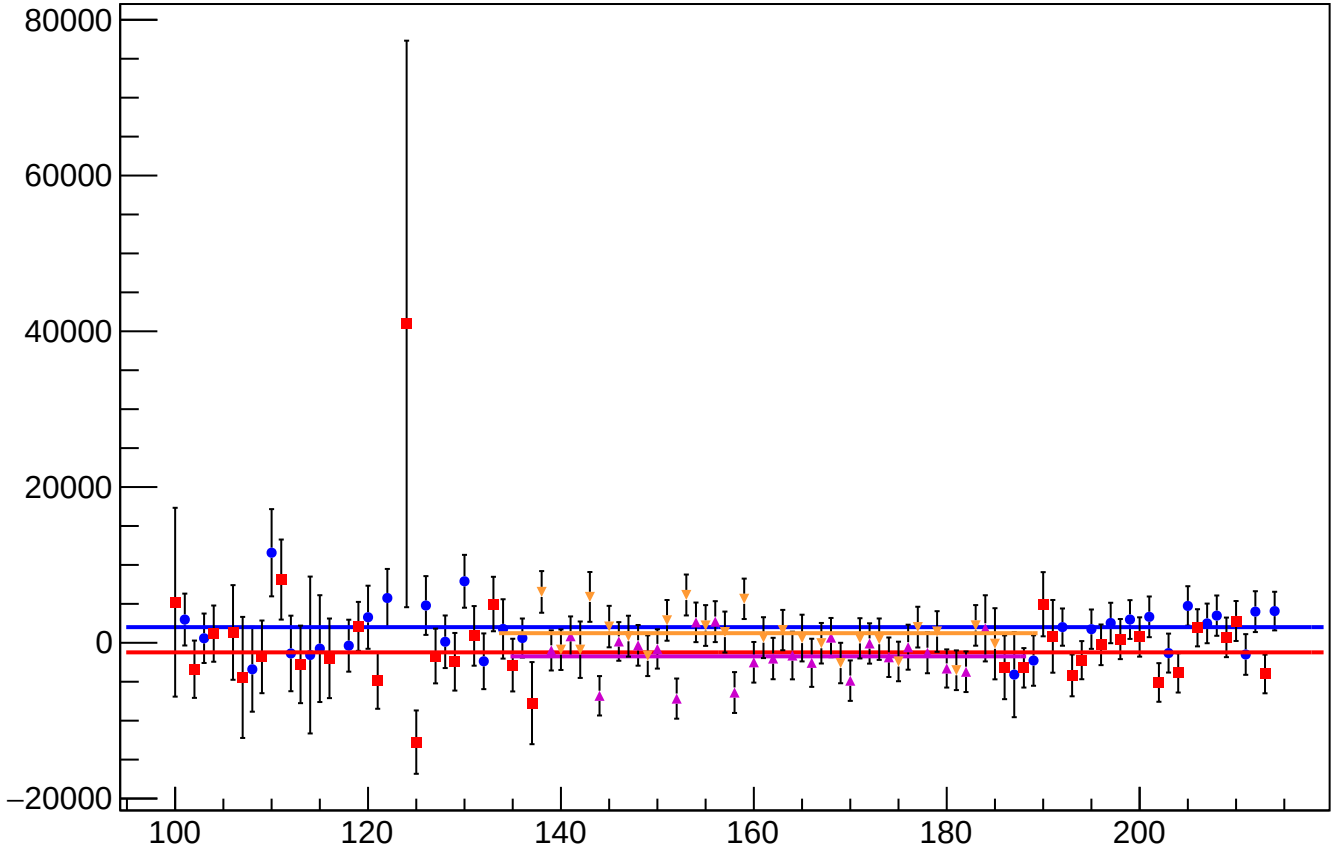
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 694.188+/-0.086 χ^2/NDF: 8441886.3/54

All: 695.616+/-0.061 χ^2/NDF: 17126725.6/11

- sign 697.095+/-0.088 χ^2/NDF: 8684280.2/56

cor_asym_atl1_mean vs Slug



Right In: 2008.995+/-568.663 χ^2/NDF: 22.1/29

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1228.994+/-570.291 χ^2/NDF: 37.1/33

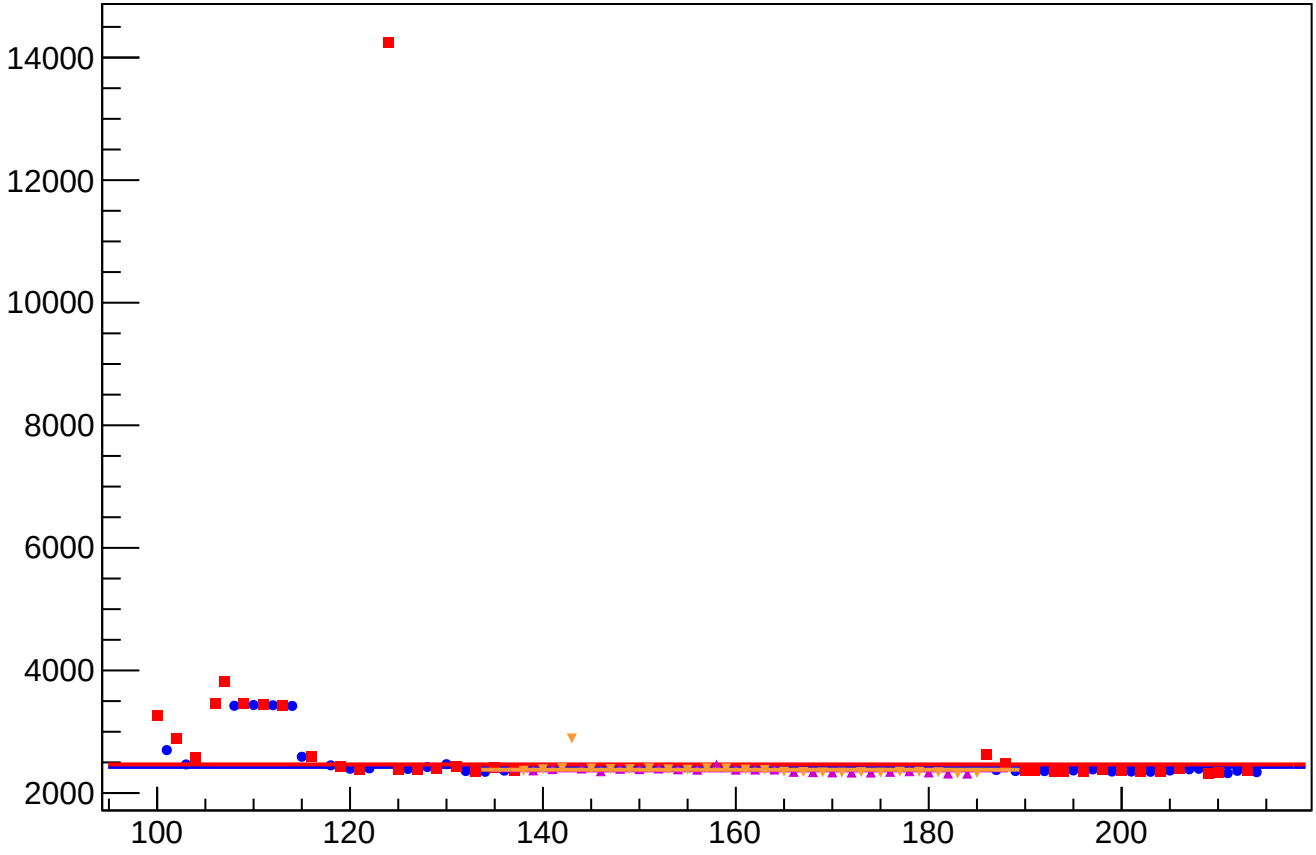
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1602.766+/-392.070 χ^2/NDF: 46.9/54

All: 74.521+/-278.995 χ^2/NDF: 139.6/111

- sign -1493.163+/-397.096 χ^2/NDF: 61.9/56

cor_asym_atl1_rms vs Slug



Right In: 2426.502+/-0.402 χ^2/NDF: 274705.8/29

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2466.608+/-0.403 χ^2/NDF: 653291.3/33

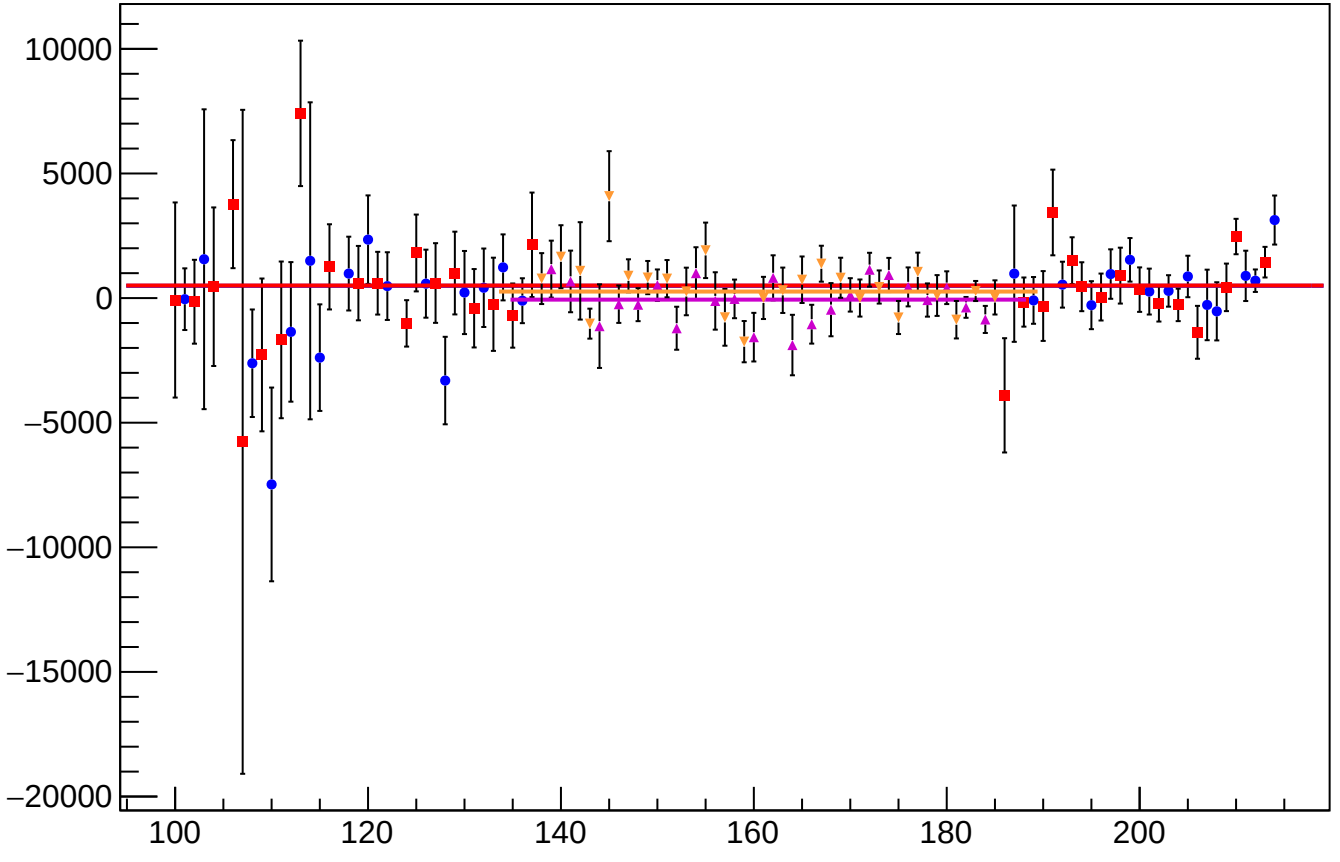
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2402.753+/-0.277 χ^2/NDF: 338977.8/54

All: 2409.550+/-0.197 χ^2/NDF: 1030465.9/11

- sign 2416.522+/-0.281 χ^2/NDF: 690270.5/56

asym_atl1_cor_correction_mean vs Slug



Right In: 493.477+/-199.122 χ^2/NDF: 27.2/29

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 503.977+/-201.481 χ^2/NDF: 39.1/33

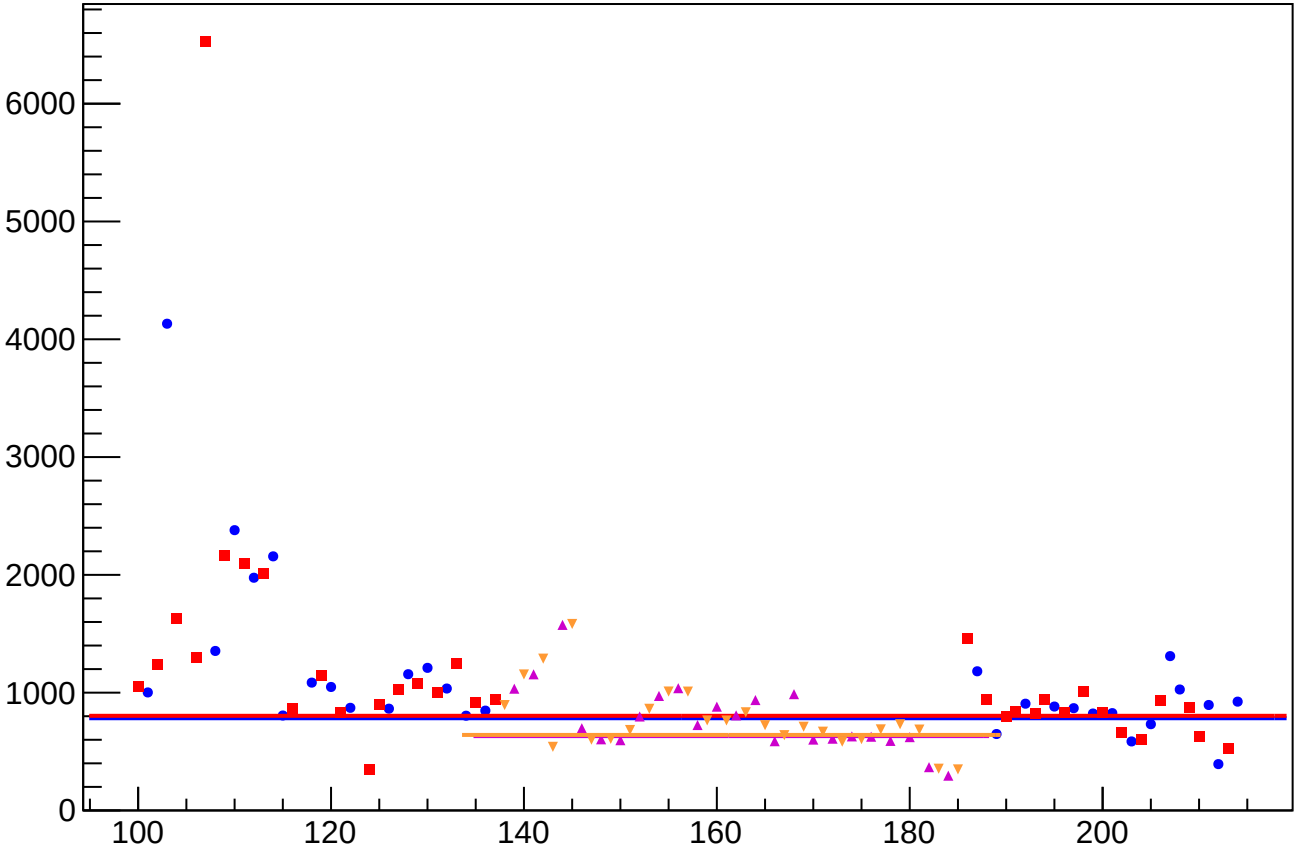
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 348.744+/-121.824 χ^2/NDF: 59.1/54

All: 252.389+/-86.913 χ^2/NDF: 126.4/111

- sign 152.507+/-124.034 χ^2/NDF: 66.0/56

asym_atl1_cor_correction_rms vs Slug



Right In: 782.851+/-0.141 χ^2/NDF: 4333070.4/29

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 803.524+/-0.142 χ^2/NDF: 3798546.7/33

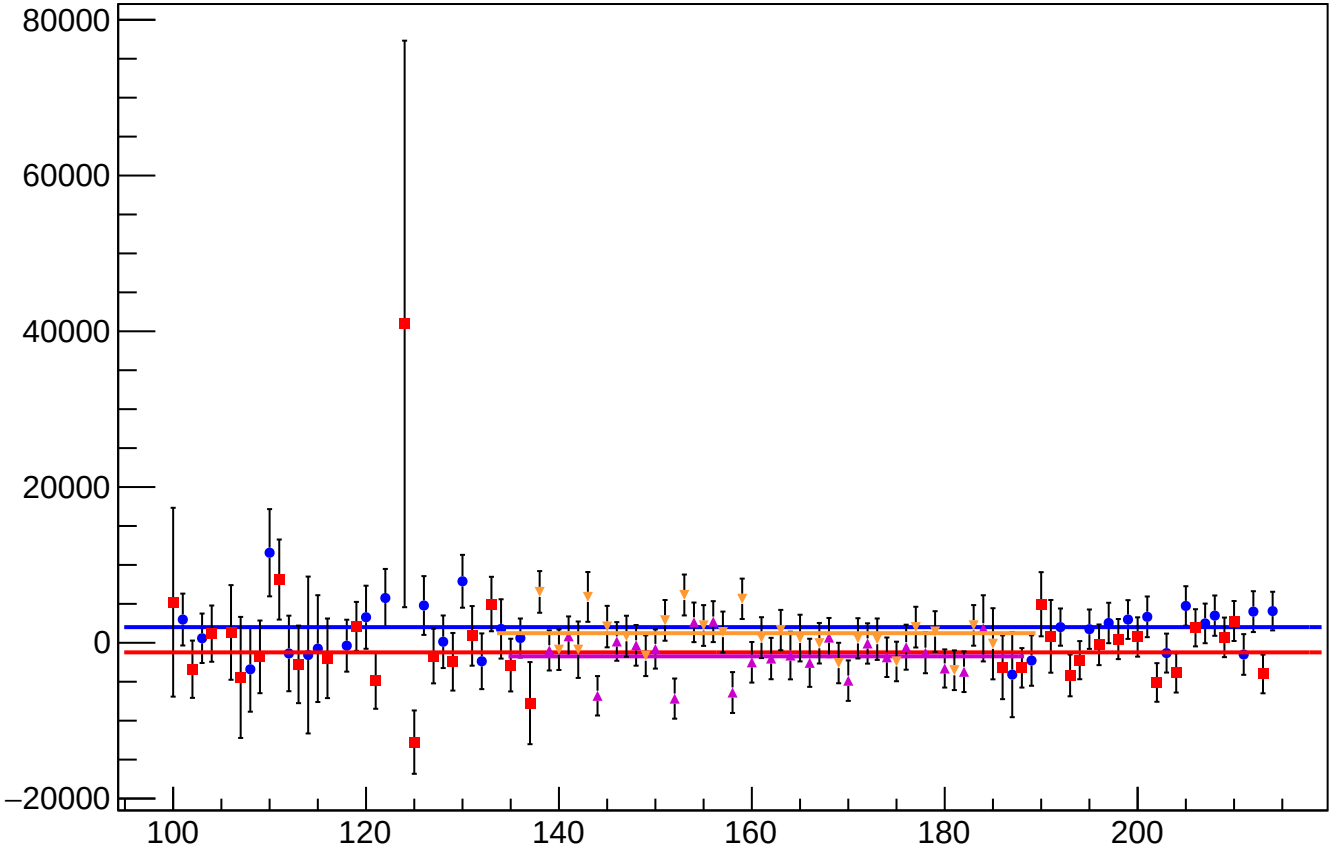
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.202+/-0.086 χ^2/NDF: 8441205.7/54

All: 695.332+/-0.061 χ^2/NDF: 17124286.6/11

- sign 696.505+/-0.088 χ^2/NDF: 8682730.1/56

eigen_cor_asym_atl1_mean vs Slug



Right In: 2008.995+/-568.663 χ^2/NDF: 22.1/29

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1228.994+/-570.291 χ^2/NDF: 37.1/33

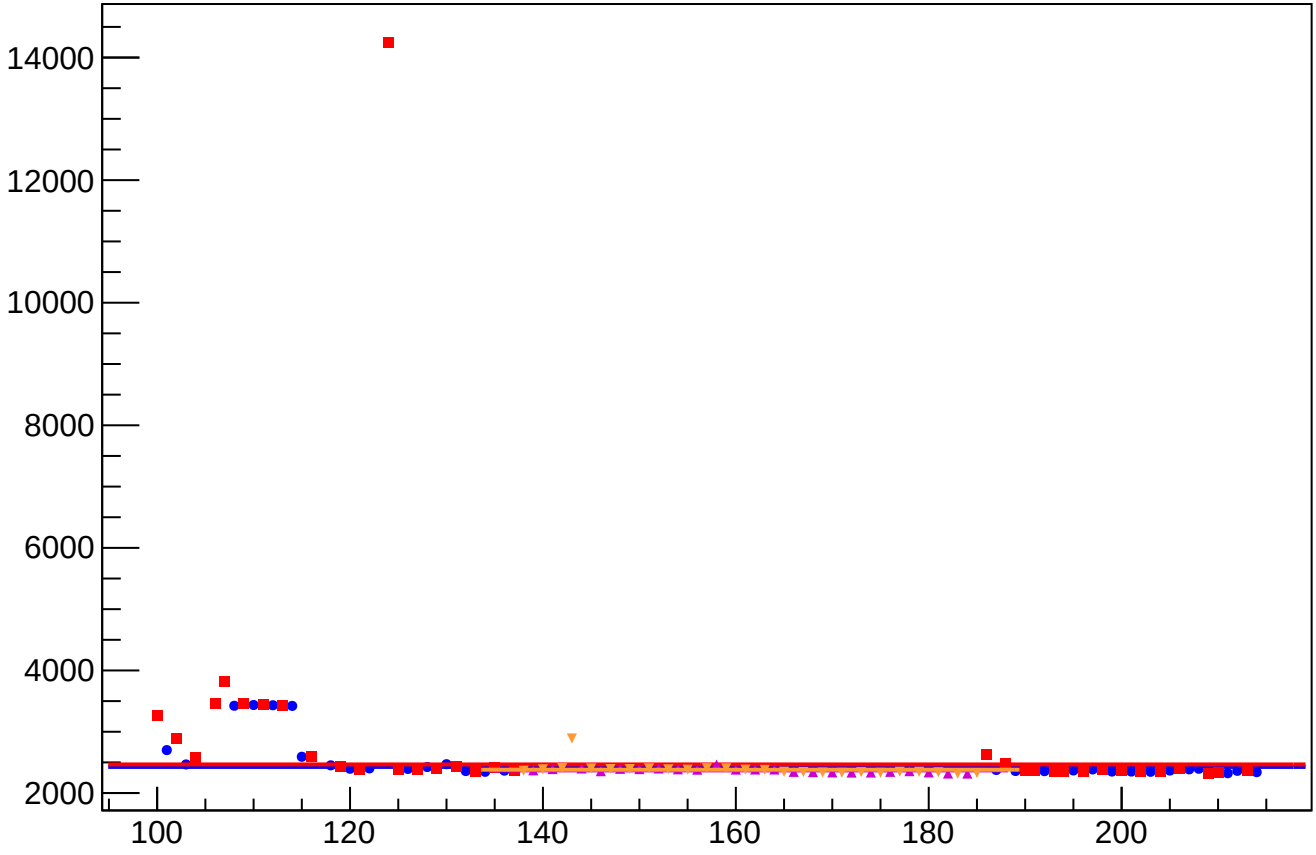
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1602.766+/-392.070 χ^2/NDF: 46.9/54

All: 74.521+/-278.995 χ^2/NDF: 139.6/111

- sign -1493.163+/-397.096 χ^2/NDF: 61.9/56

eigen_cor_asym_atl1_rms vs Slug



Right In: 2426.502+/-0.402 χ^2/NDF: 274705.8/29

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2466.608+/-0.403 χ^2/NDF: 653291.3/33

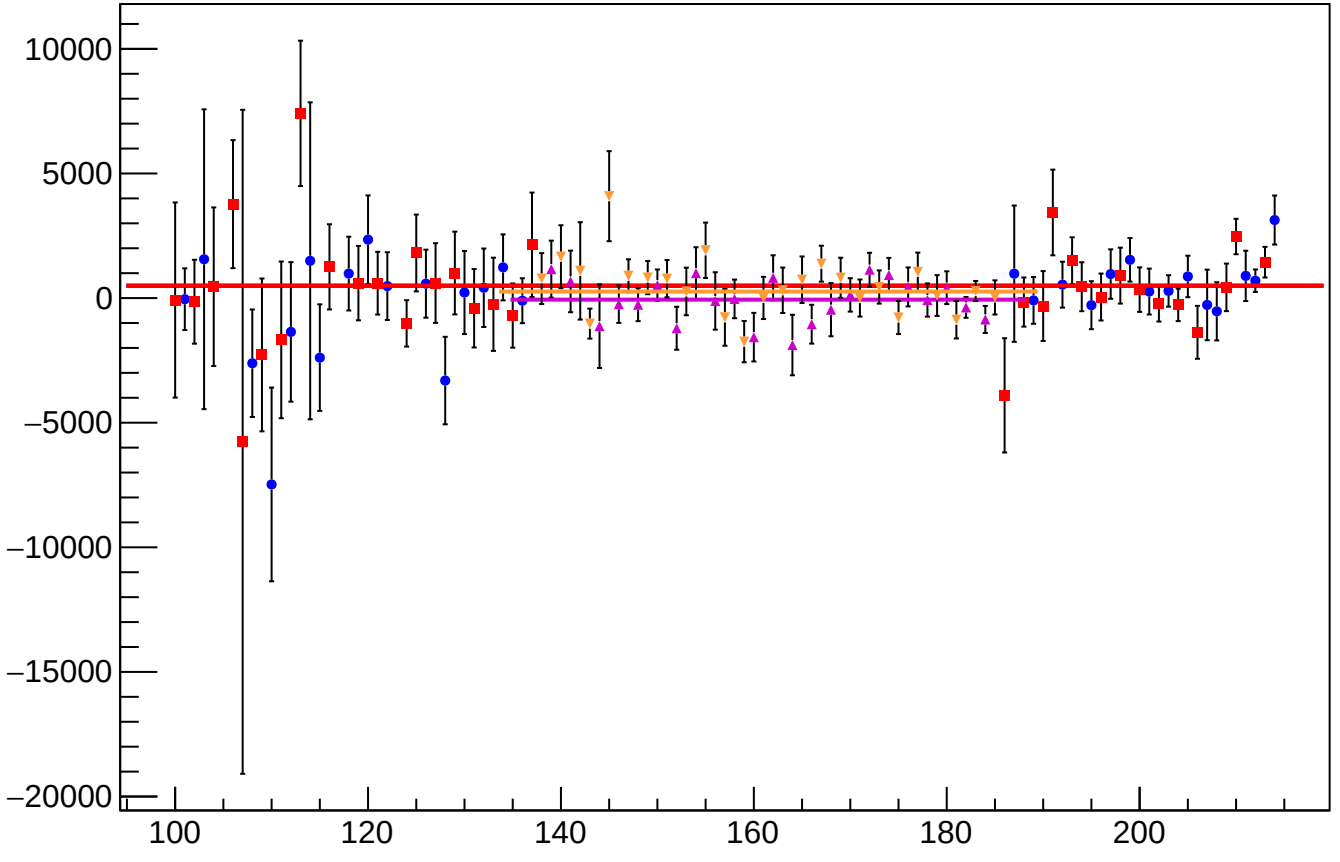
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2402.753+/-0.277 χ^2/NDF: 338977.8/54

All: 2409.550+/-0.197 χ^2/NDF: 1030465.9/11

- sign 2416.522+/-0.281 χ^2/NDF: 690270.5/56

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 493.477+/-199.122 χ^2/NDF: 27.2/29

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 503.977+/-201.481 χ^2/NDF: 39.1/33

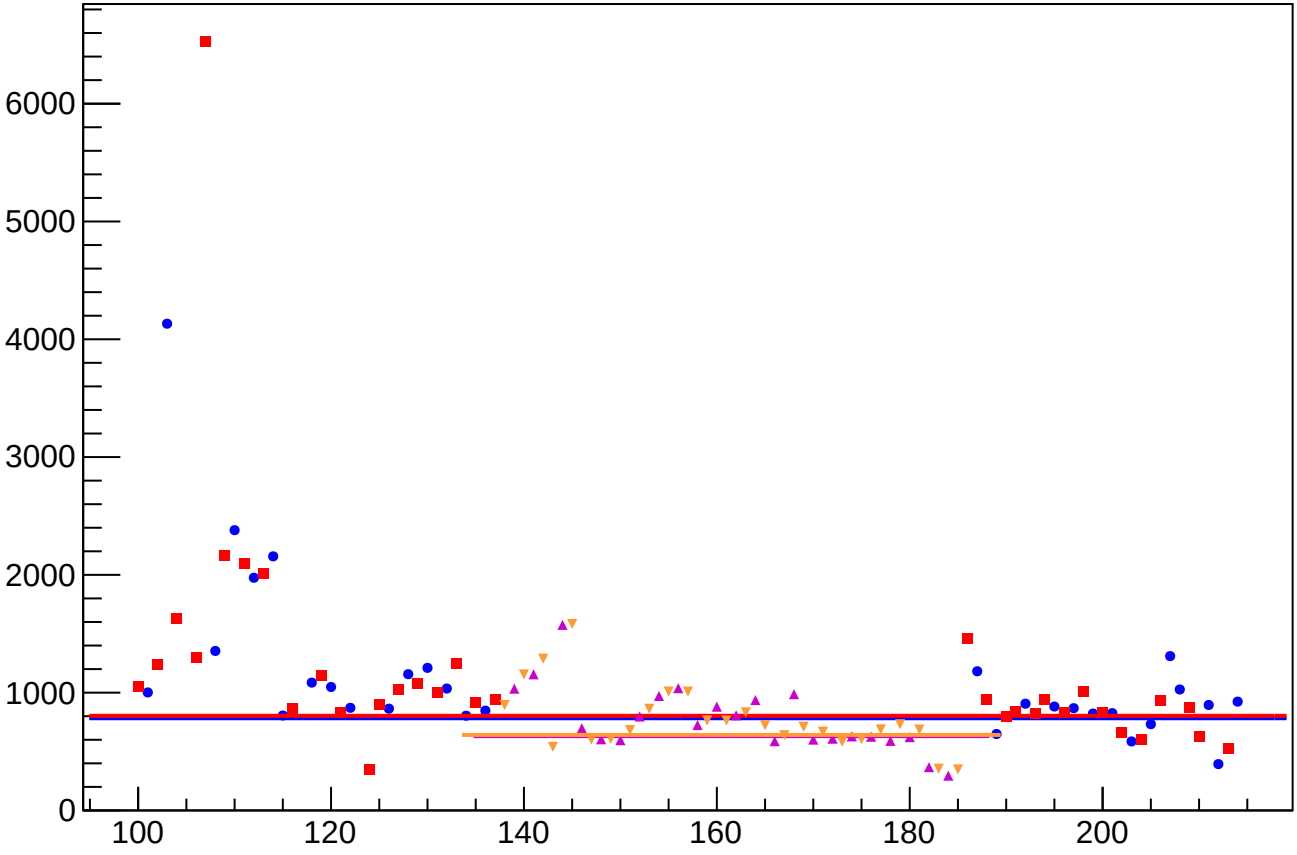
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 348.744+/-121.824 χ^2/NDF: 59.1/54

All: 252.389+/-86.913 χ^2/NDF: 126.4/111

- sign 152.507+/-124.034 χ^2/NDF: 66.0/56

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 782.851+/-0.141 χ^2/NDF: 4333070.4/29

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 803.524+/-0.142 χ^2/NDF: 3798546.7/33

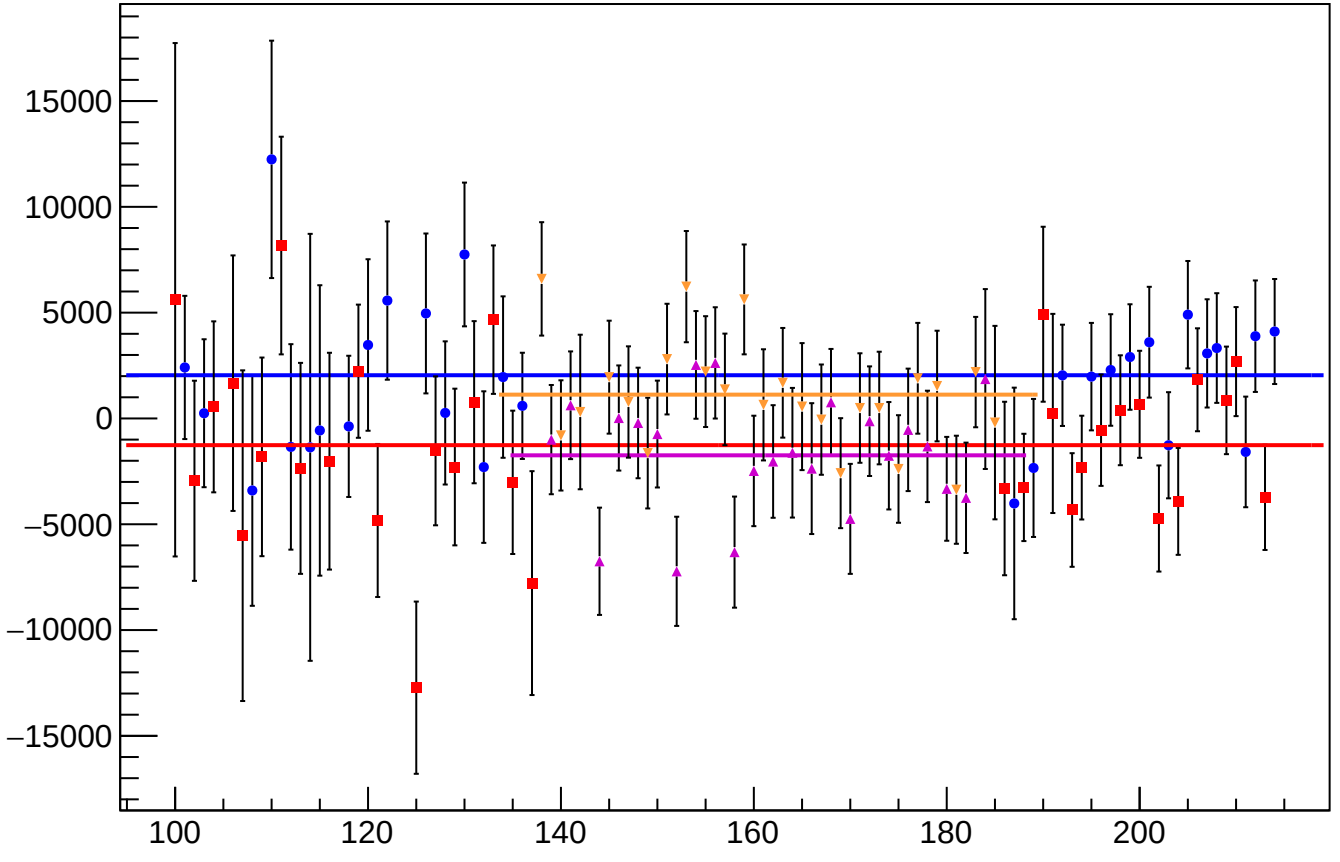
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.202+/-0.086 χ^2/NDF: 8441205.7/54

All: 695.332+/-0.061 χ^2/NDF: 17124286.6/11

- sign 696.505+/-0.088 χ^2/NDF: 8682730.1/56

dit_asym_atl1_mean vs Slug



Right In: 2042.350+/-571.960 χ^2/NDF: 22.4/29

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1262.253+/-576.728 χ^2/NDF: 34.2/32

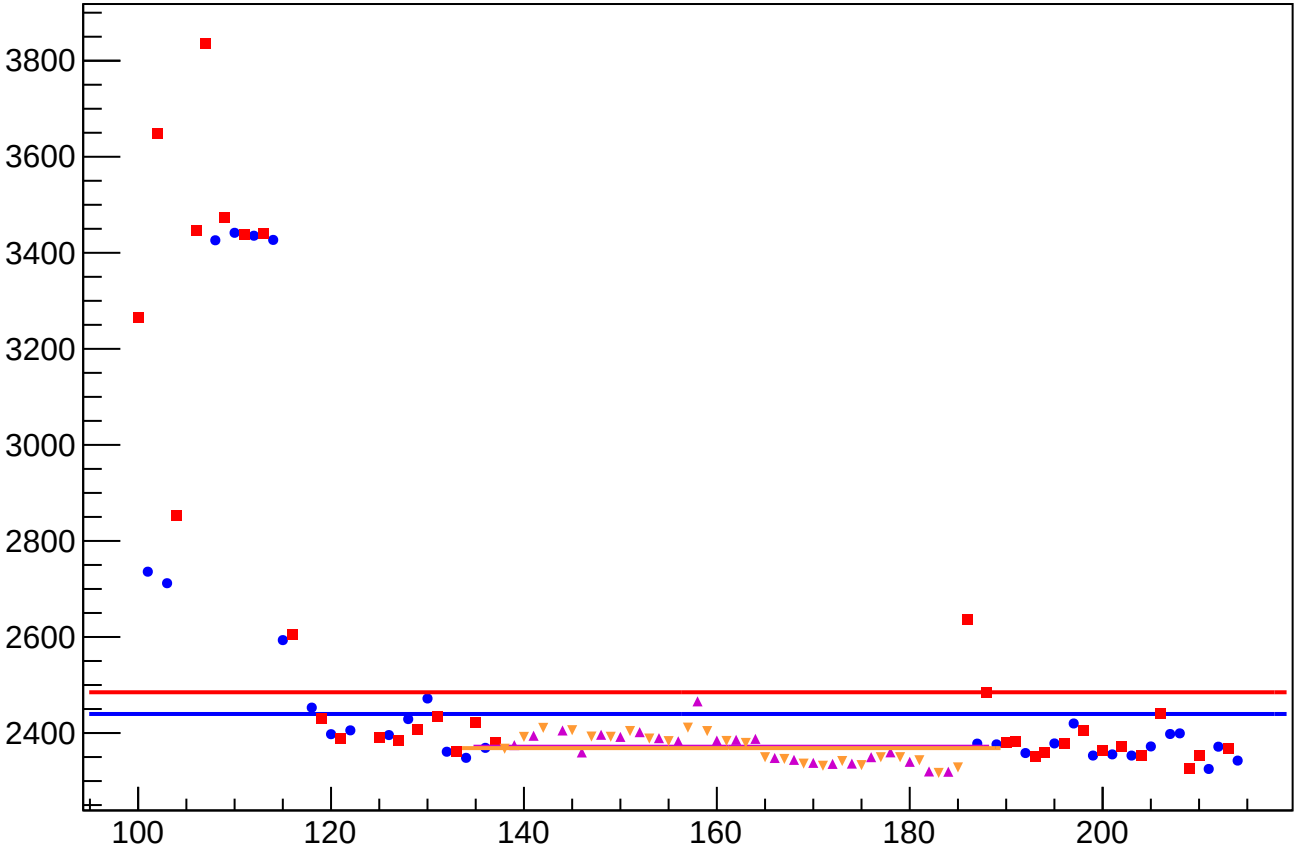
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1565.881+/-396.383 χ^2/NDF: 45.0/53

All: 38.745+/-281.359 χ^2/NDF: 133.2/109

- sign -1512.030+/-399.439 χ^2/NDF: 58.3/55

dit_asym_atl1_rms vs Slug



Right In: 2439.668+/-0.404 χ^2/NDF: 287822.2/29

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2484.886+/-0.408 χ^2/NDF: 551115.7/32

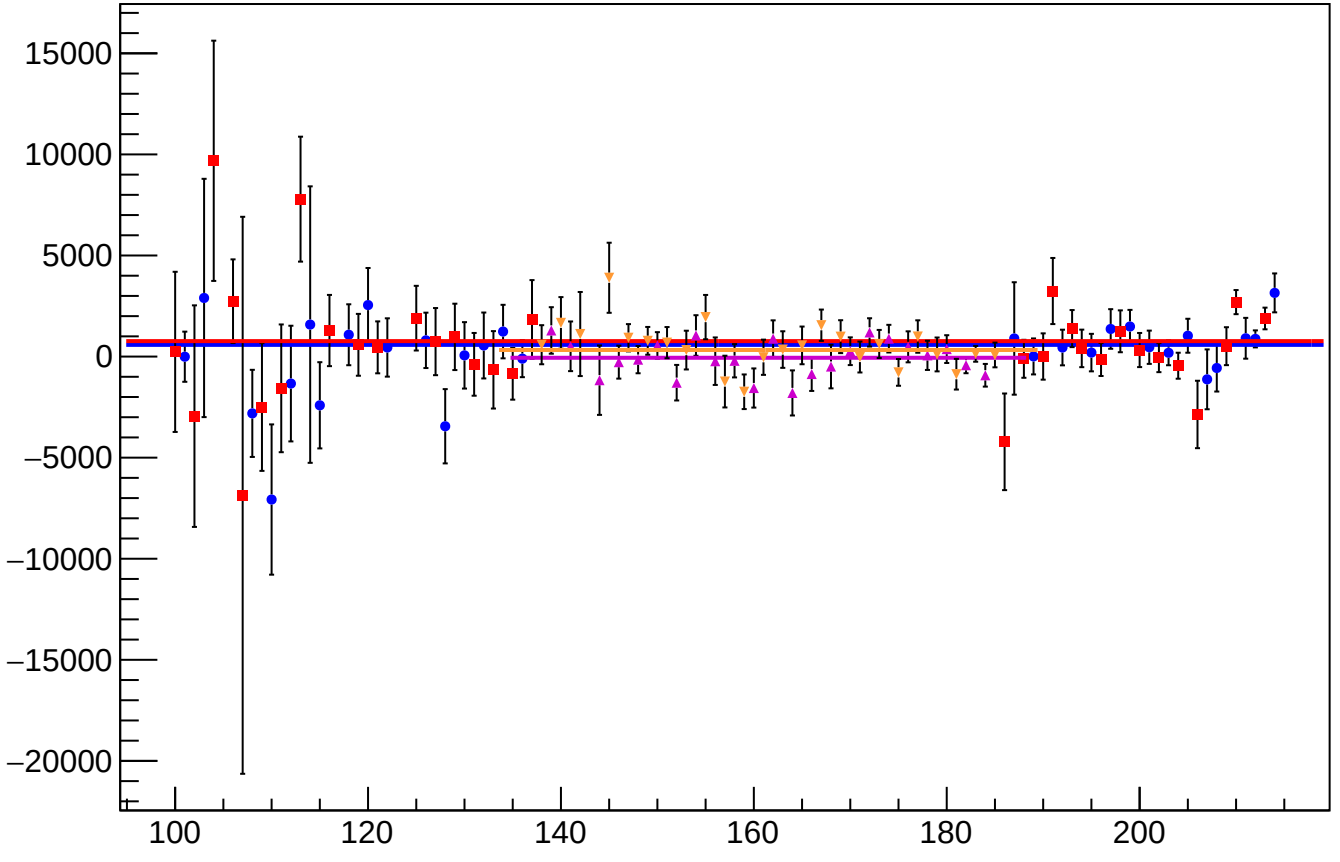
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2402.717+/-0.280 χ^2/NDF: 309455.2/53

All: 2414.219+/-0.199 χ^2/NDF: 911228.2/109

- sign 2425.899+/-0.282 χ^2/NDF: 598378.8/55

asym_atl1_dit_correction_mean vs Slug



Right In: 579.115+/-193.582 χ^2/NDF: 29.7/29

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 764.819+/-198.055 χ^2/NDF: 49.2/32

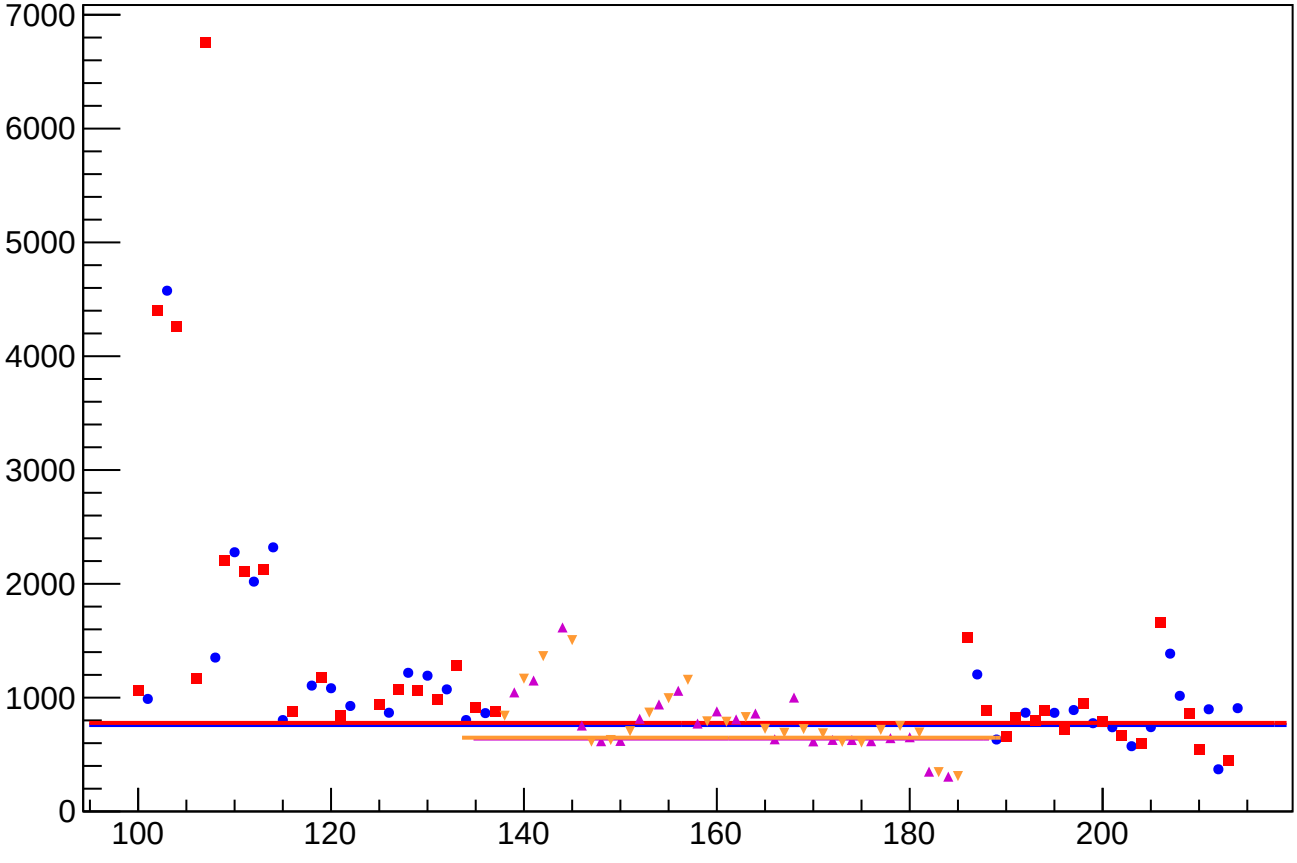
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 428.737+/-123.346 χ^2/NDF: 57.5/53

All: 347.572+/-87.556 χ^2/NDF: 140.8/109

- sign 265.141+/-124.305 χ^2/NDF: 82.4/55

asym_atl1_dit_correction_rms vs Slug



Right In: 759.173+/-0.137 χ^2/NDF: 5078184.4/29

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 778.003+/-0.140 χ^2/NDF: 5863377.0/32

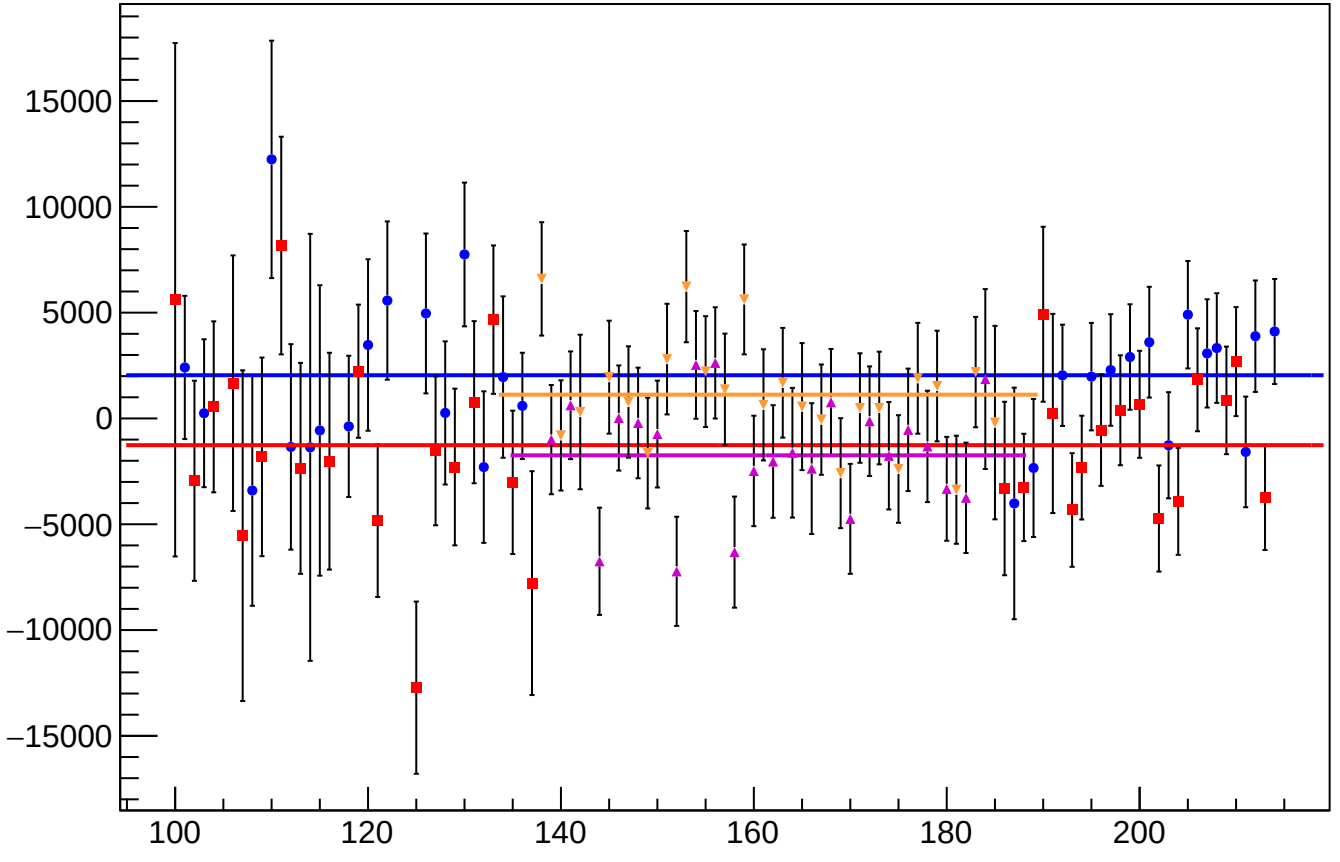
Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 693.196+/-0.087 χ^2/NDF: 9356291.2/53

All: 693.901+/-0.062 χ^2/NDF: 19933500.8/10

- sign 694.618+/-0.088 χ^2/NDF: 10577077.7/55

eigen_dit_asym_atl1_mean vs Slug



Right In: 2042.347+/-571.960 χ^2/NDF: 22.4/29

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1262.253+/-576.728 χ^2/NDF: 34.2/32

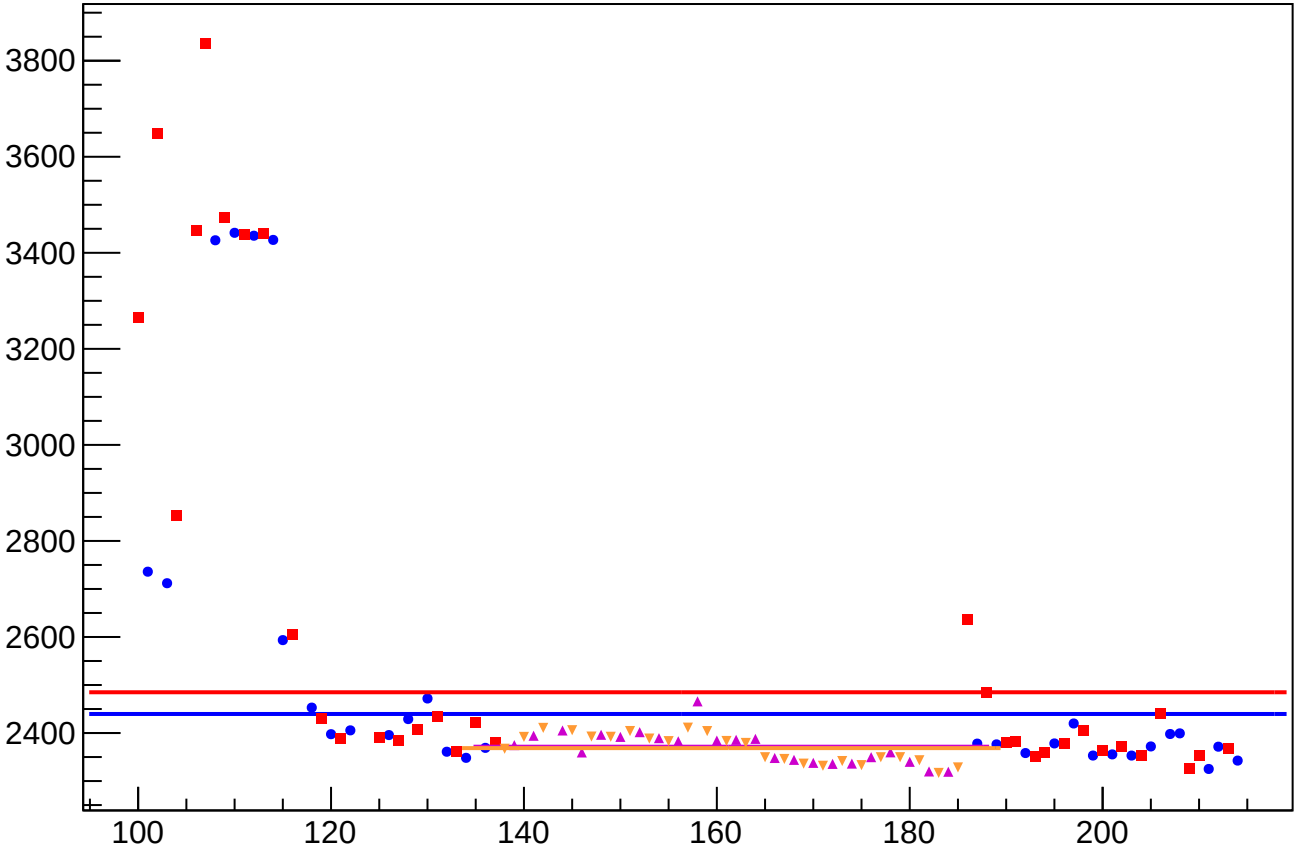
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1565.880+/-396.383 χ^2/NDF: 45.0/53

All: 38.744+/-281.359 χ^2/NDF: 133.2/109

- sign -1512.031+/-399.439 χ^2/NDF: 58.3/55

eigen_dit_asym_atl1_rms vs Slug



Right In: 2439.668+/-0.404 χ^2/NDF: 287821.7/29

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2484.886+/-0.408 χ^2/NDF: 551114.8/32

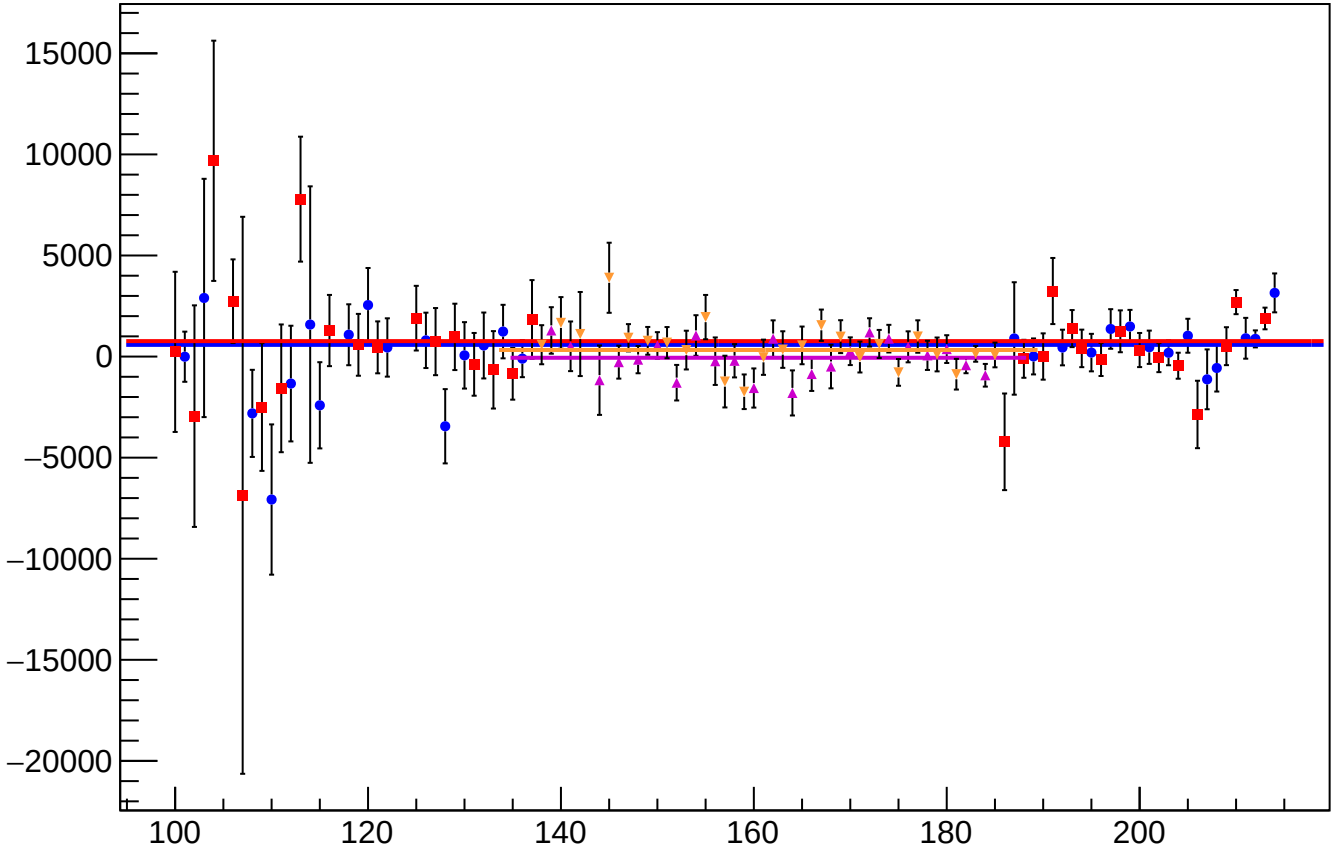
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2402.717+/-0.280 χ^2/NDF: 309454.7/53

All: 2414.219+/-0.199 χ^2/NDF: 911226.7/109

- sign 2425.899+/-0.282 χ^2/NDF: 598377.8/55

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 579.114+/-193.582 χ^2/NDF: 29.7/29

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 764.819+/-198.055 χ^2/NDF: 49.2/32

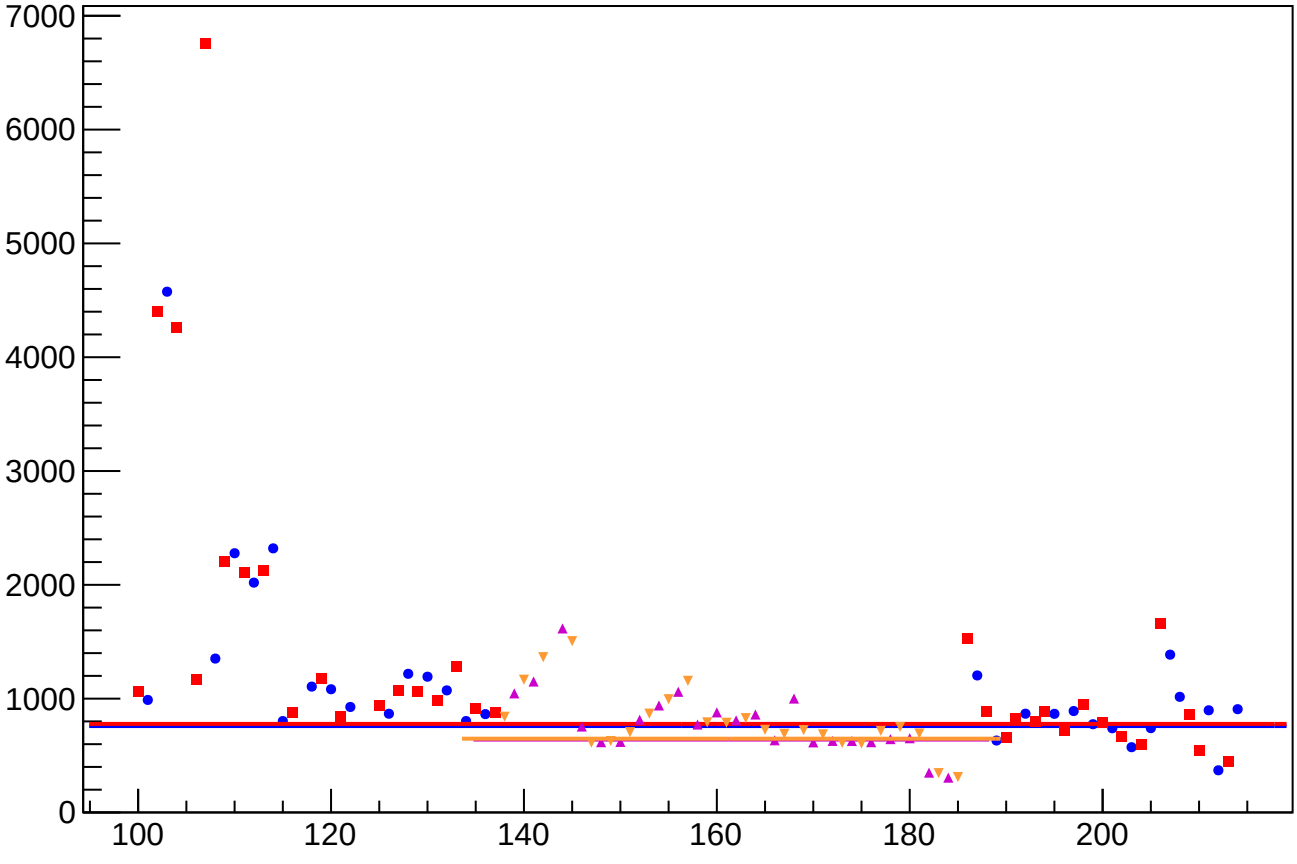
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

\+ sign 428.737+/-123.347 χ^2/NDF: 57.5/53

All: 347.572+/-87.556 χ^2/NDF: 140.8/109

\- sign 265.142+/-124.305 χ^2/NDF: 82.4/55

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 759.173+/-0.137 χ^2/NDF: 5078191.1/29

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 778.003+/-0.140 χ^2/NDF: 5863386.7/32

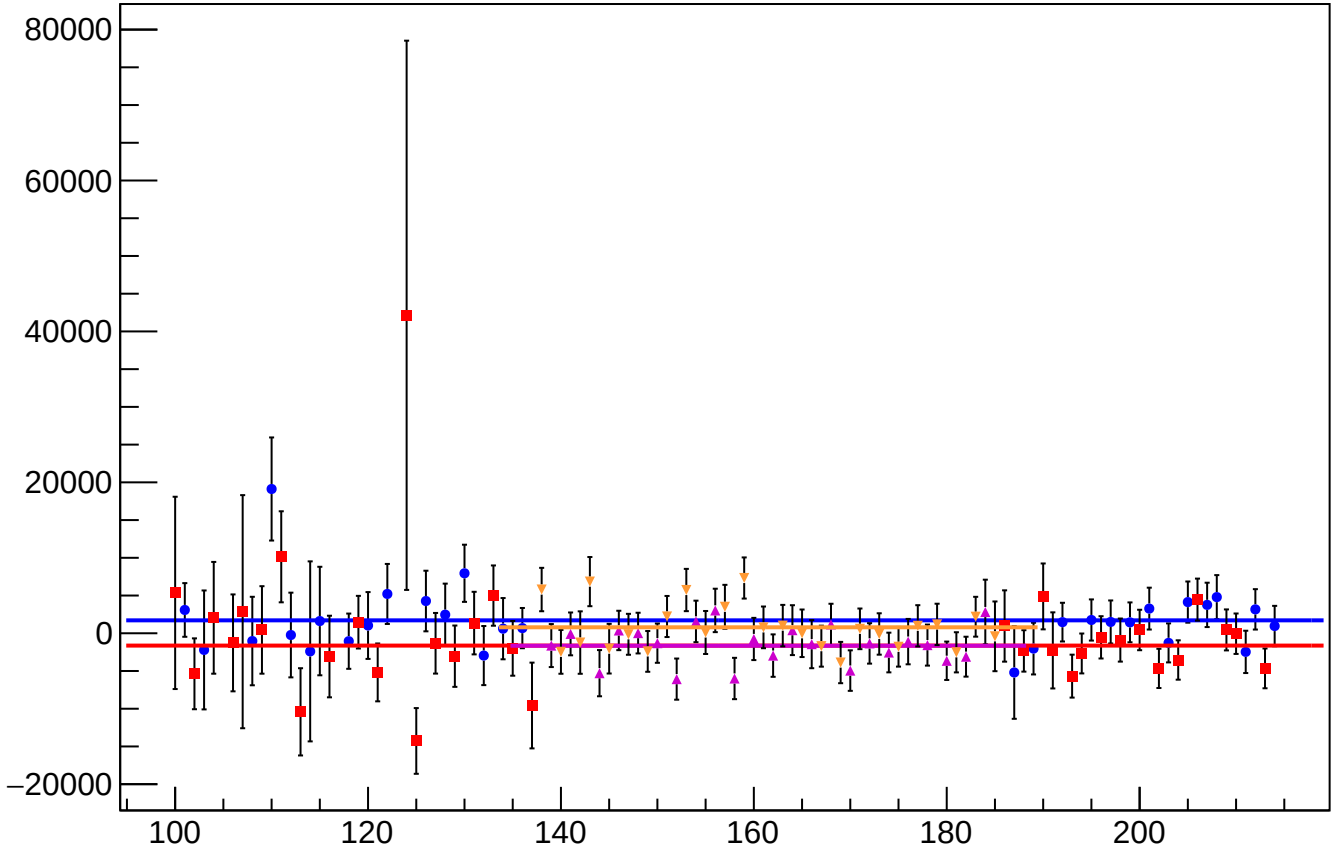
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 693.196+/-0.087 χ^2/NDF: 9356297.9/53

All: 693.902+/-0.062 χ^2/NDF: 19933520.3/10

- sign 694.618+/-0.088 χ^2/NDF: 10577090.5/55

asym_atl1_mean vs Slug



Right In: 1712.261+/-623.940 χ^2/NDF: 22.6/29

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1633.127+/-627.214 χ^2/NDF: 39.0/33

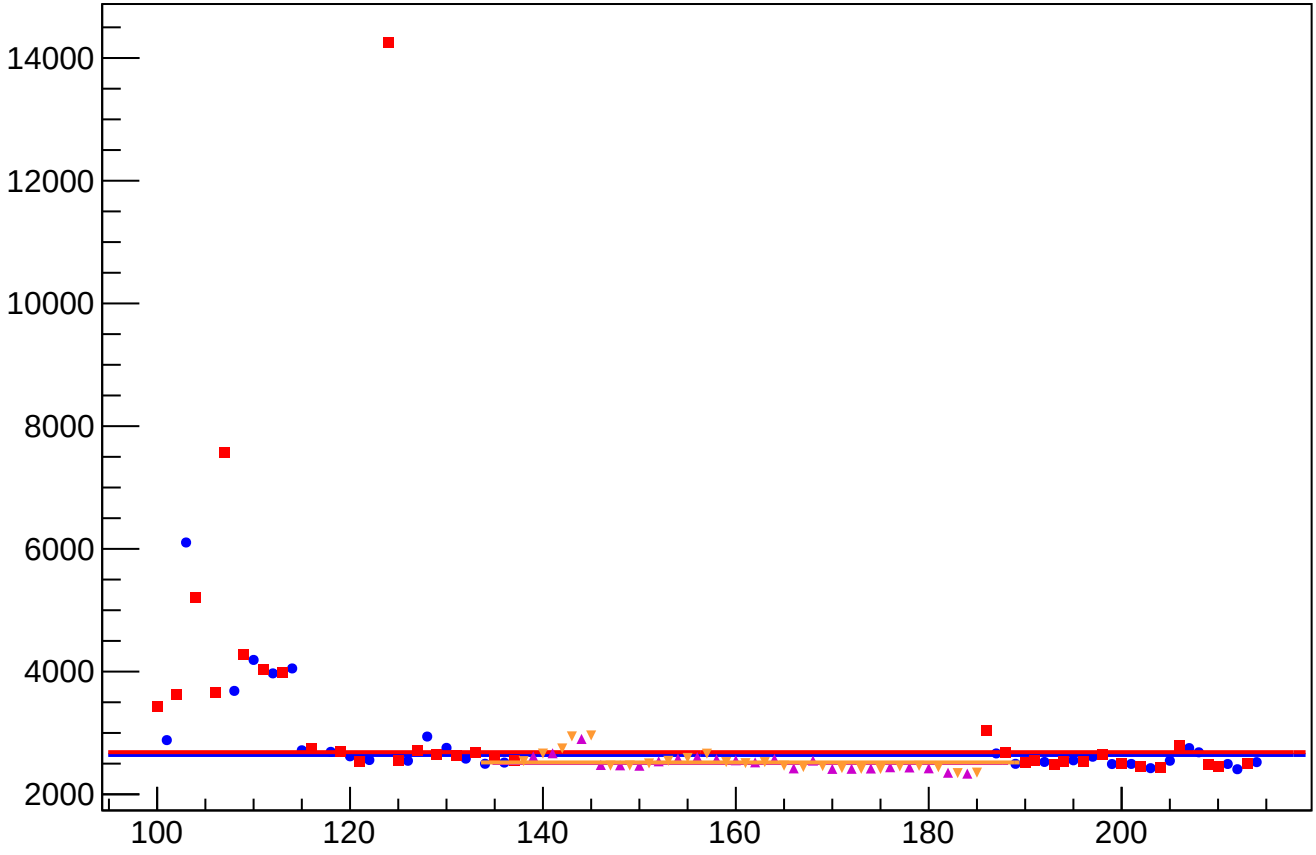
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1212.943+/-422.140 χ^2/NDF: 50.9/54

All: -194.485+/-300.719 χ^2/NDF: 129.8/111

- sign -1644.592+/-428.493 χ^2/NDF: 56.3/56

asym_atl1_rms vs Slug



Right In: 2641.518+/-0.441 χ^2/NDF: 789897.8/29

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2686.755+/-0.444 χ^2/NDF: 1248078.7/33

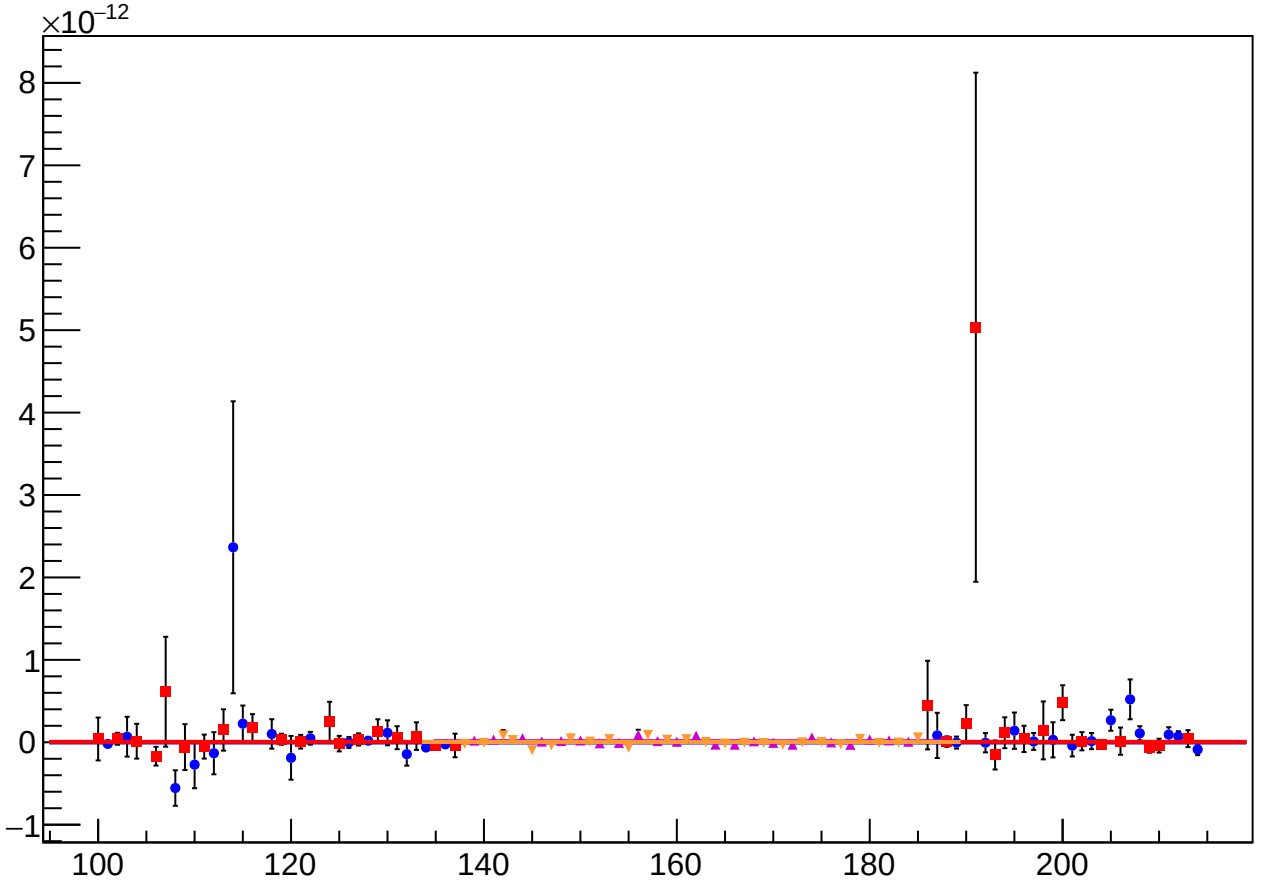
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2575.362+/-0.298 χ^2/NDF: 946567.0/54

All: 2583.841+/-0.213 χ^2/NDF: 2354609.1/11

- sign 2592.578+/-0.303 χ^2/NDF: 1406403.7/56

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/33

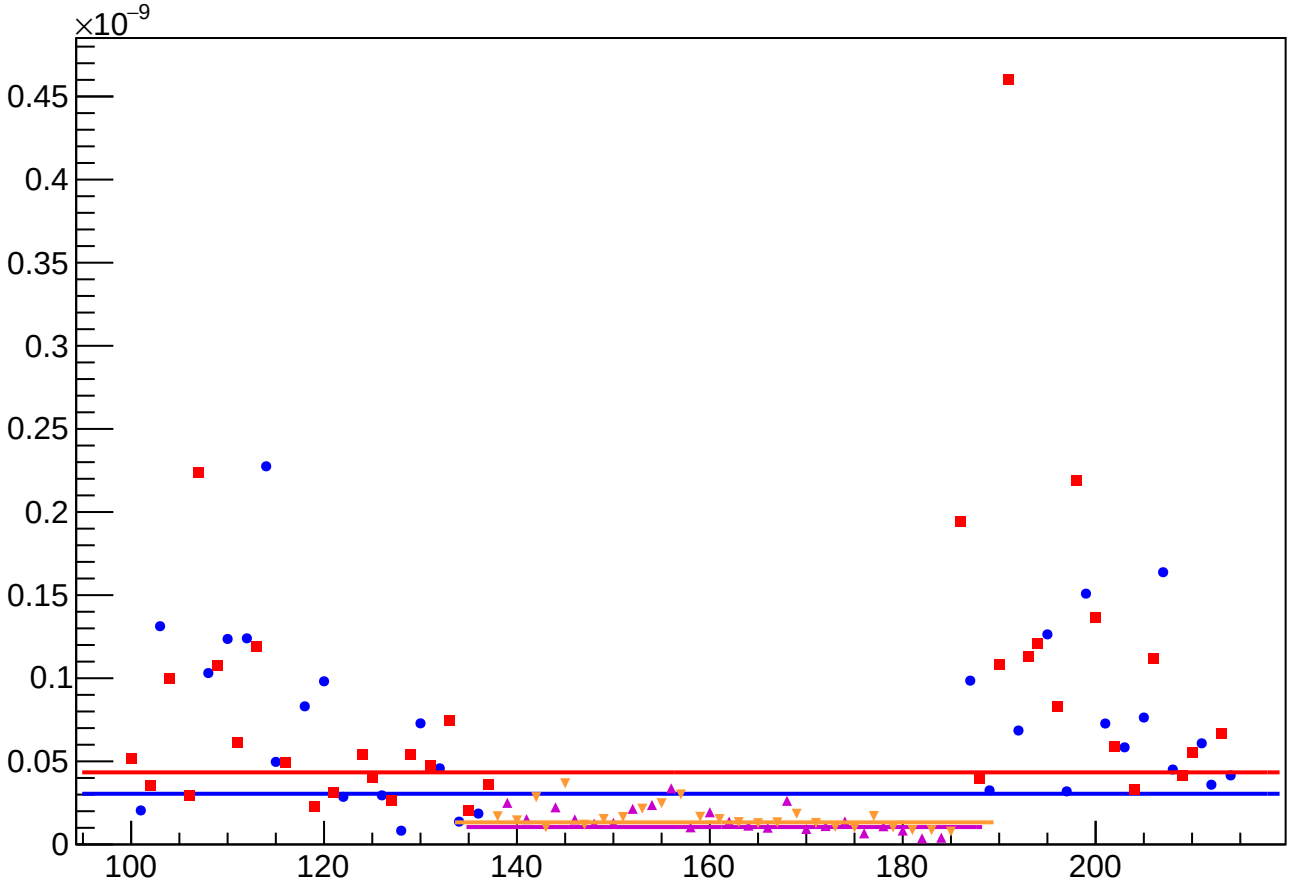
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.8/54

All: 0.000+/-0.000 χ^2/NDF: 116.2/111

- sign 0.000+/-0.000 χ^2/NDF: 53.3/56

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5764625.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4105472.8/33

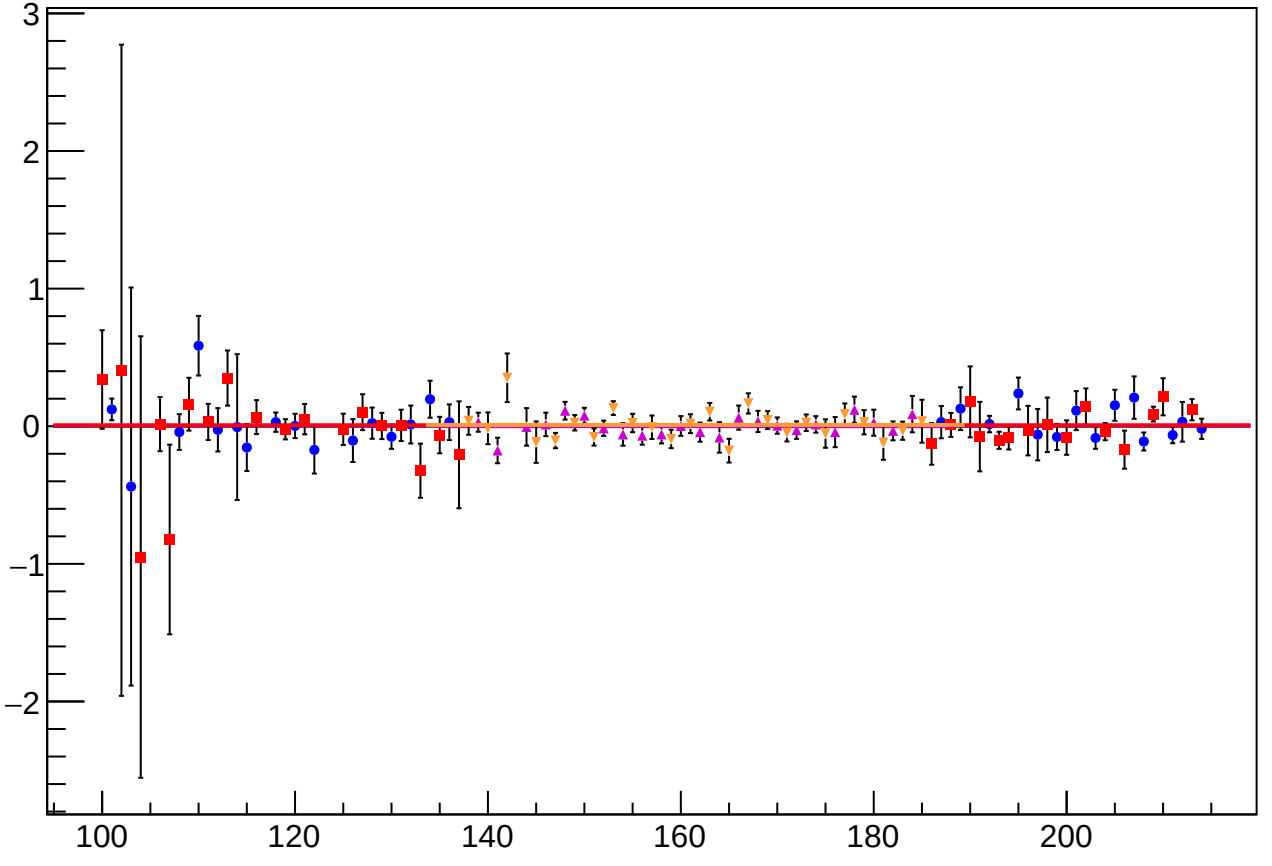
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9731337.2/54

All: 0.000+/-0.000 χ^2/NDF: 23002467.6/111

- sign 0.000+/-0.000 χ^2/NDF: 12946552.1/56

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/29

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.006+/-0.020 χ^2/NDF: 27.1/32

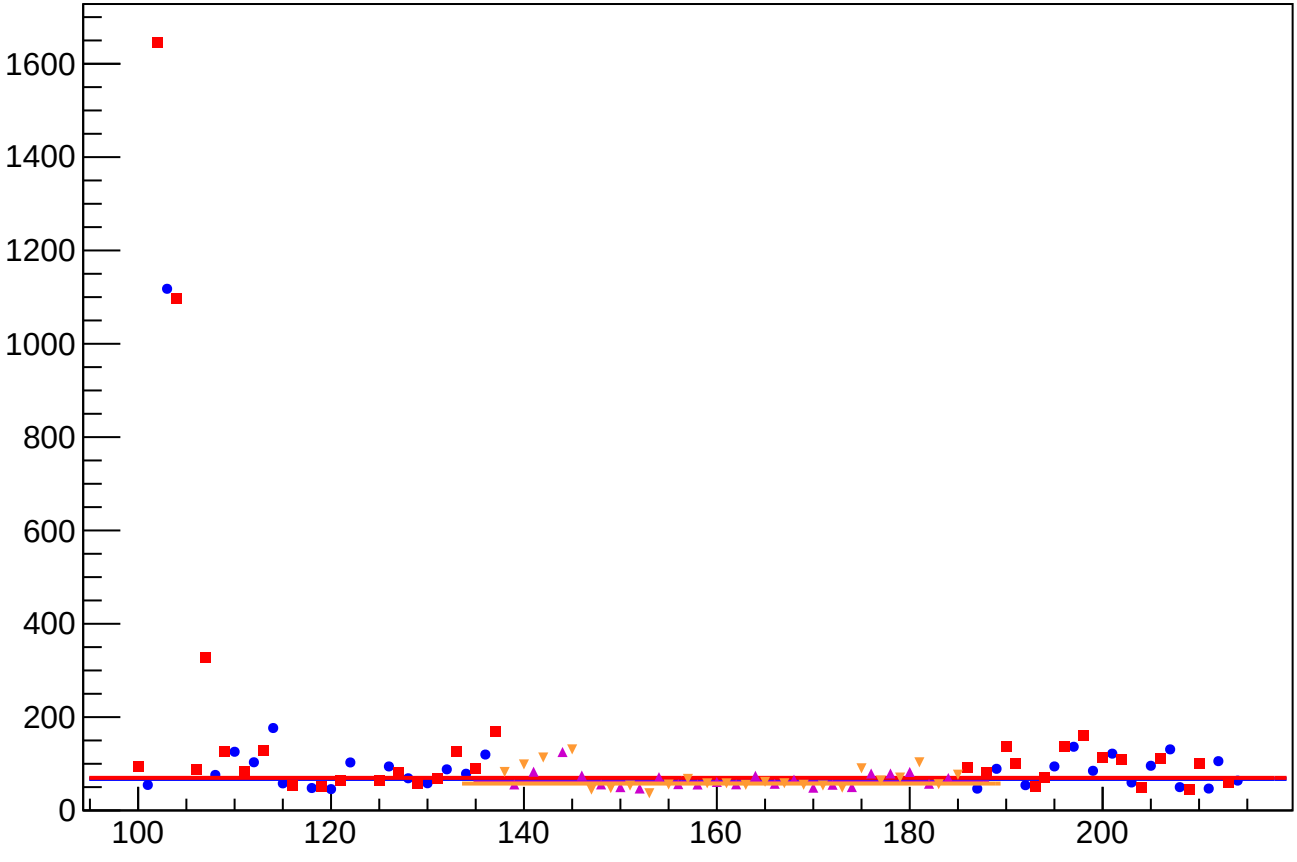
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.007+/-0.012 χ^2/NDF: 65.5/53

All: 0.005+/-0.008 χ^2/NDF: 108.3/109

- sign 0.003+/-0.012 χ^2/NDF: 42.7/55

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 67.559+/-0.013 χ^2/NDF: 4236783.5/29

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429171.9/32

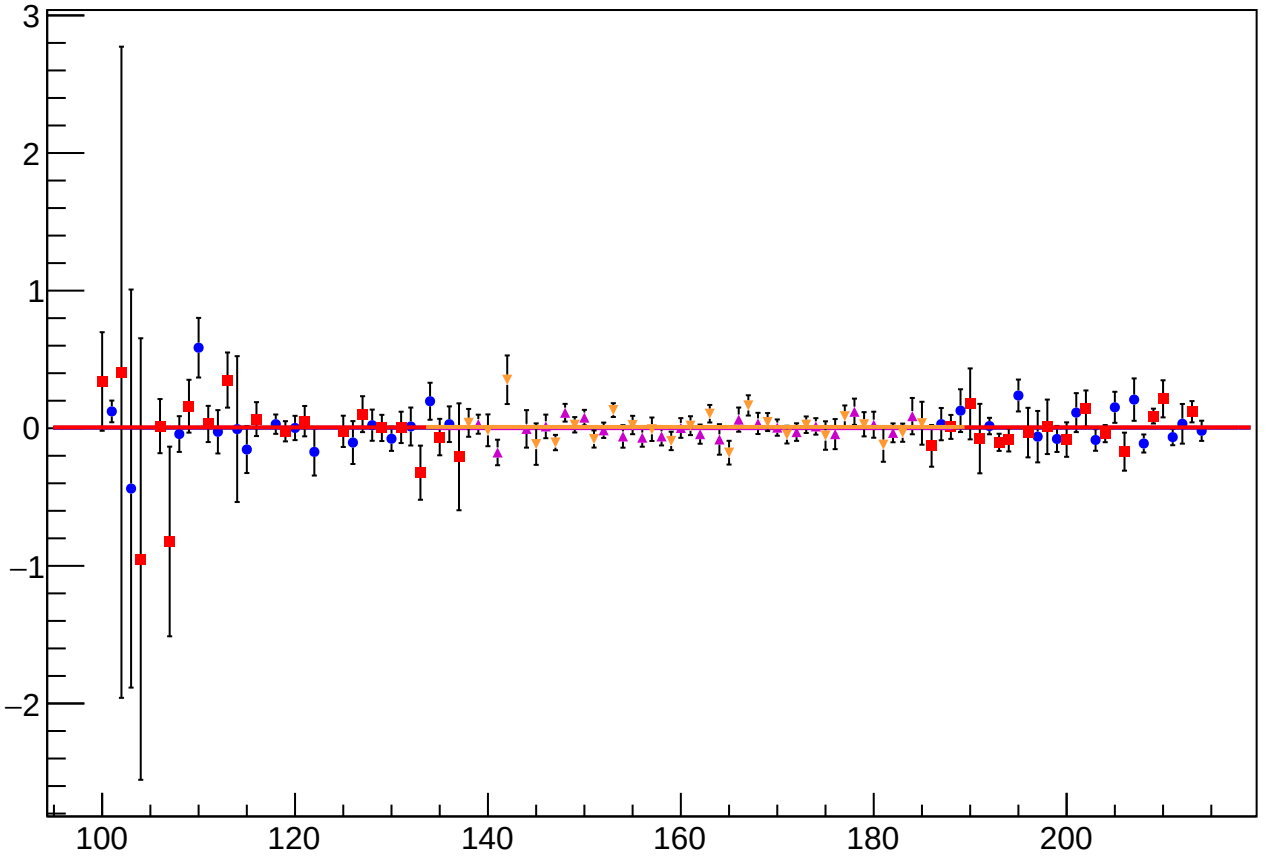
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.482+/-0.008 χ^2/NDF: 6788015.7/53

All: 62.524+/-0.006 χ^2/NDF: 13908216.5/109

- sign 63.637+/-0.009 χ^2/NDF: 7087971.3/55

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/29

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.006+/-0.020 χ^2/NDF: 27.1/32

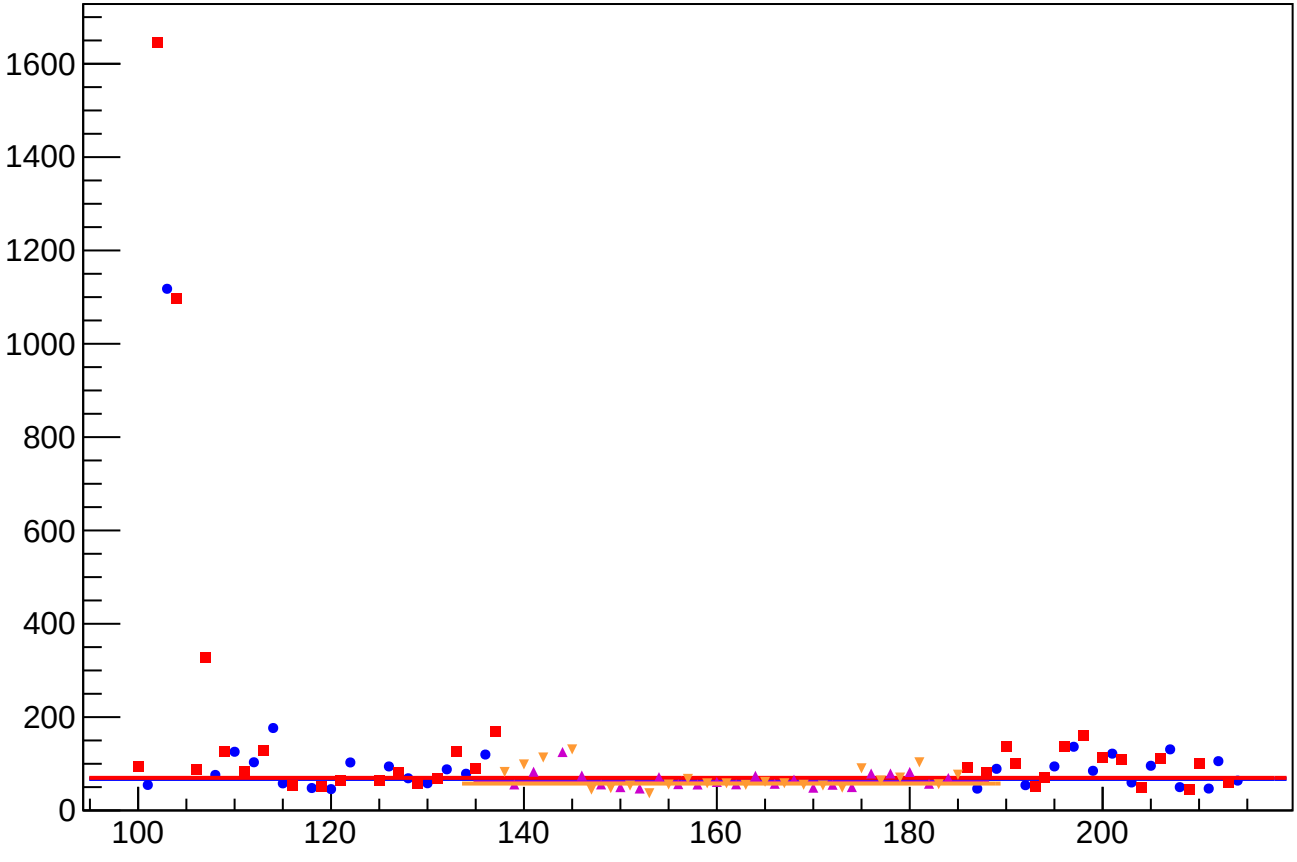
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.007+/-0.012 χ^2/NDF: 65.5/53

All: 0.005+/-0.008 χ^2/NDF: 108.3/109

- sign 0.003+/-0.012 χ^2/NDF: 42.7/55

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.559+/-0.013 χ^2/NDF: 4236783.5/29

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429171.9/32

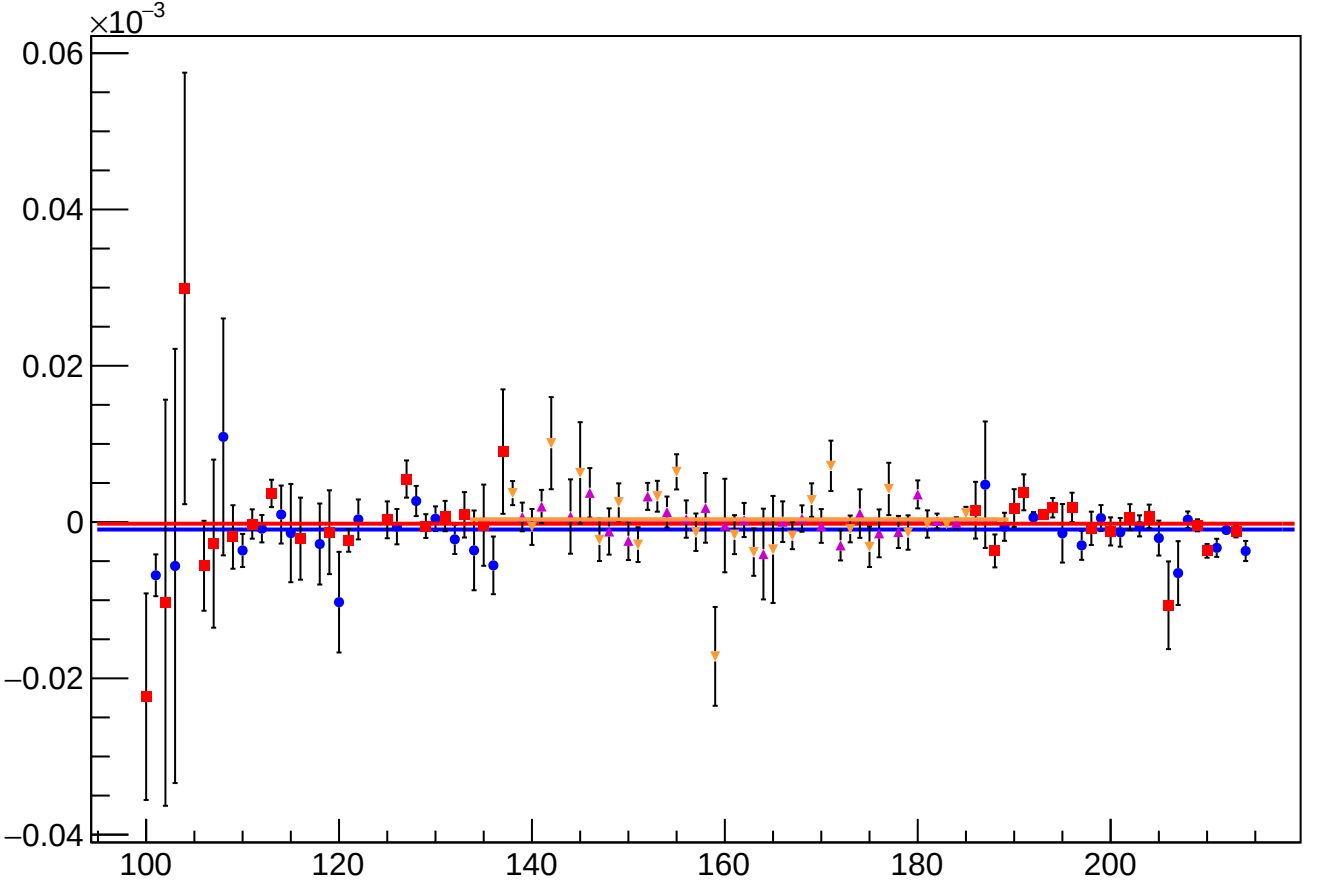
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.482+/-0.008 χ^2/NDF: 6788015.7/53

All: 62.524+/-0.006 χ^2/NDF: 13908216.5/109

- sign 63.637+/-0.009 χ^2/NDF: 7087971.3/55

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.4/32

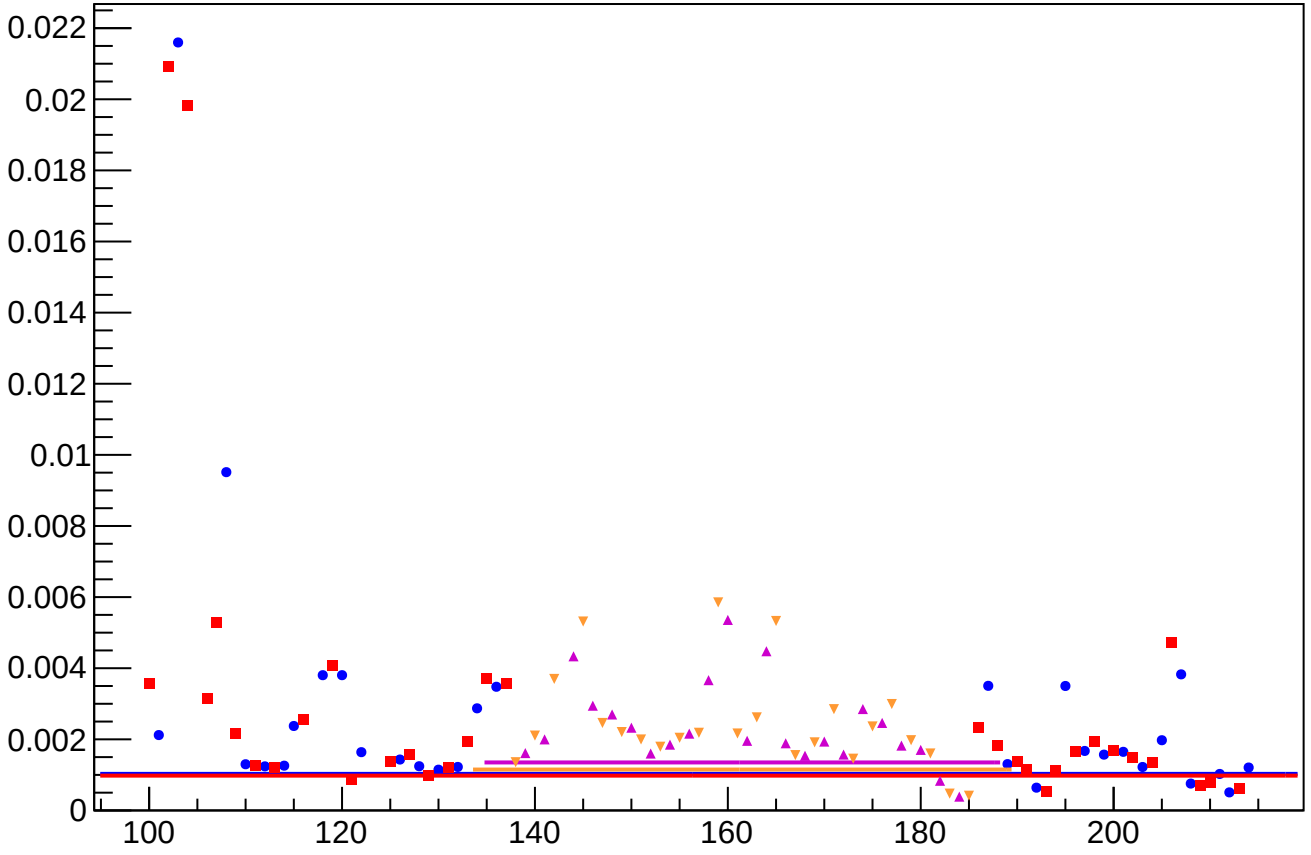
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.3/53

All: -0.000+/-0.000 χ^2/NDF: 165.2/109

- sign -0.000+/-0.000 χ^2/NDF: 72.5/55

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10054944.2/29

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9860546.0/32

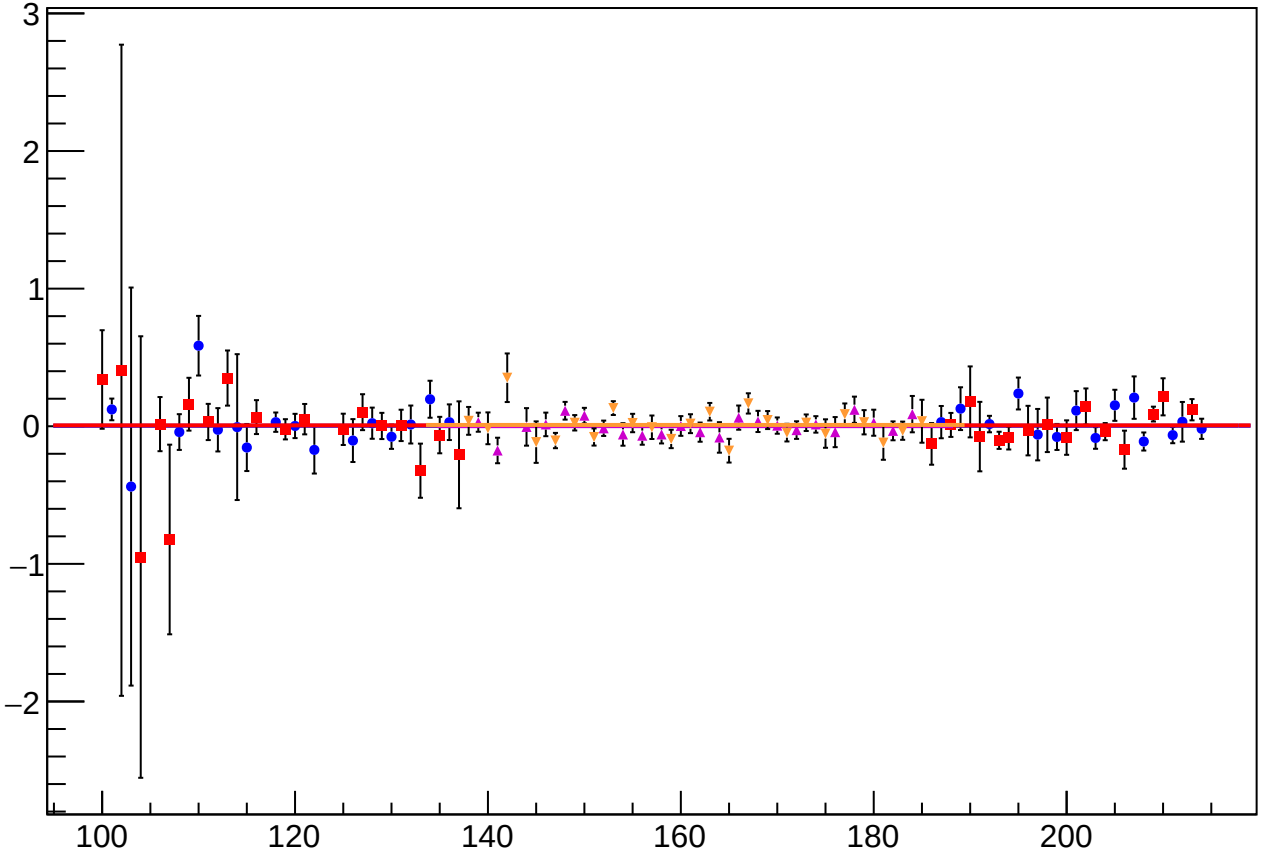
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 23443139.6/53

All: 0.001+/-0.000 χ^2/NDF: 44798454.1/109

- sign 0.001+/-0.000 χ^2/NDF: 21340396.0/55

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/29

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.006+/-0.020 χ^2/NDF: 27.1/32

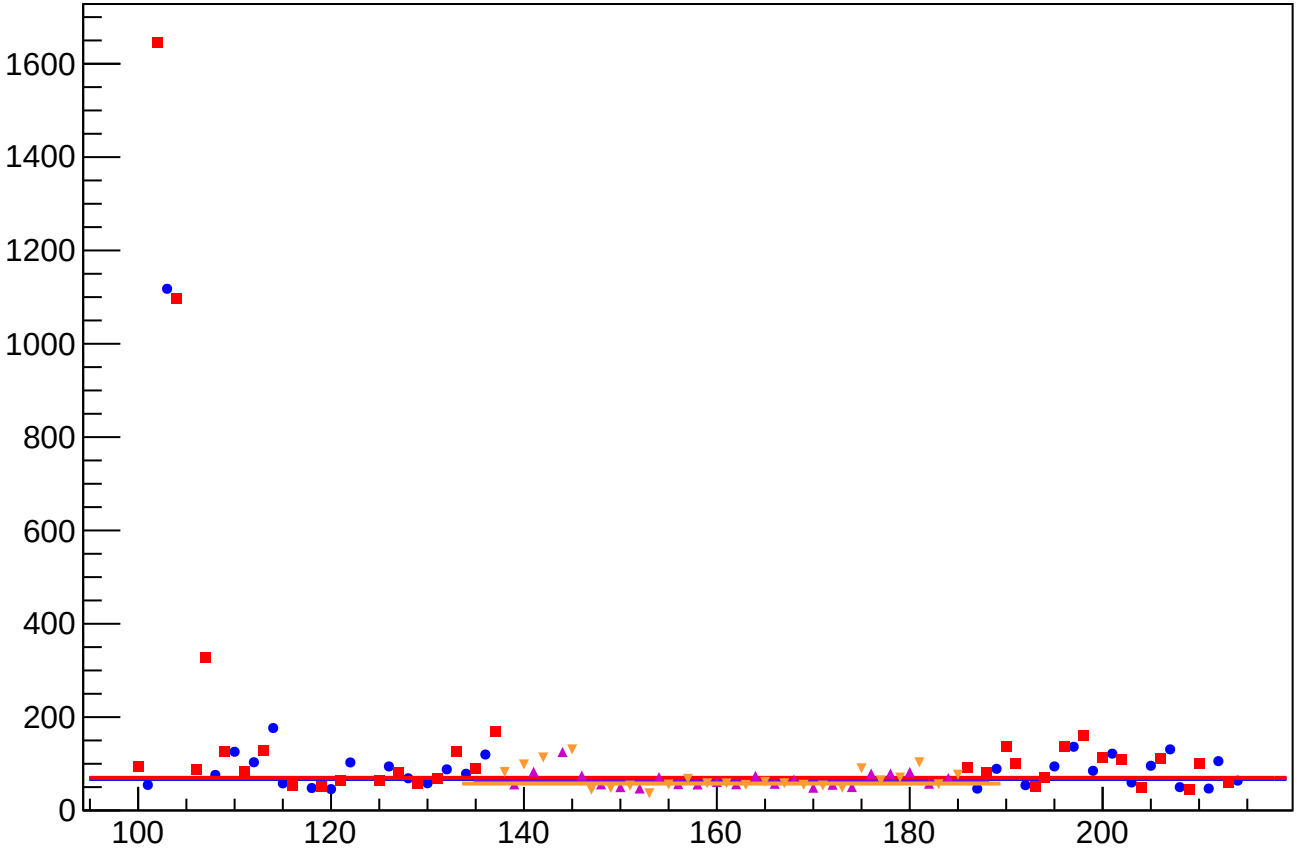
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.007+/-0.012 χ^2/NDF: 65.5/53

All: 0.005+/-0.008 χ^2/NDF: 108.3/109

- sign 0.003+/-0.012 χ^2/NDF: 42.7/55

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.559+/-0.013 χ^2/NDF: 4236926.5/29

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429259.9/32

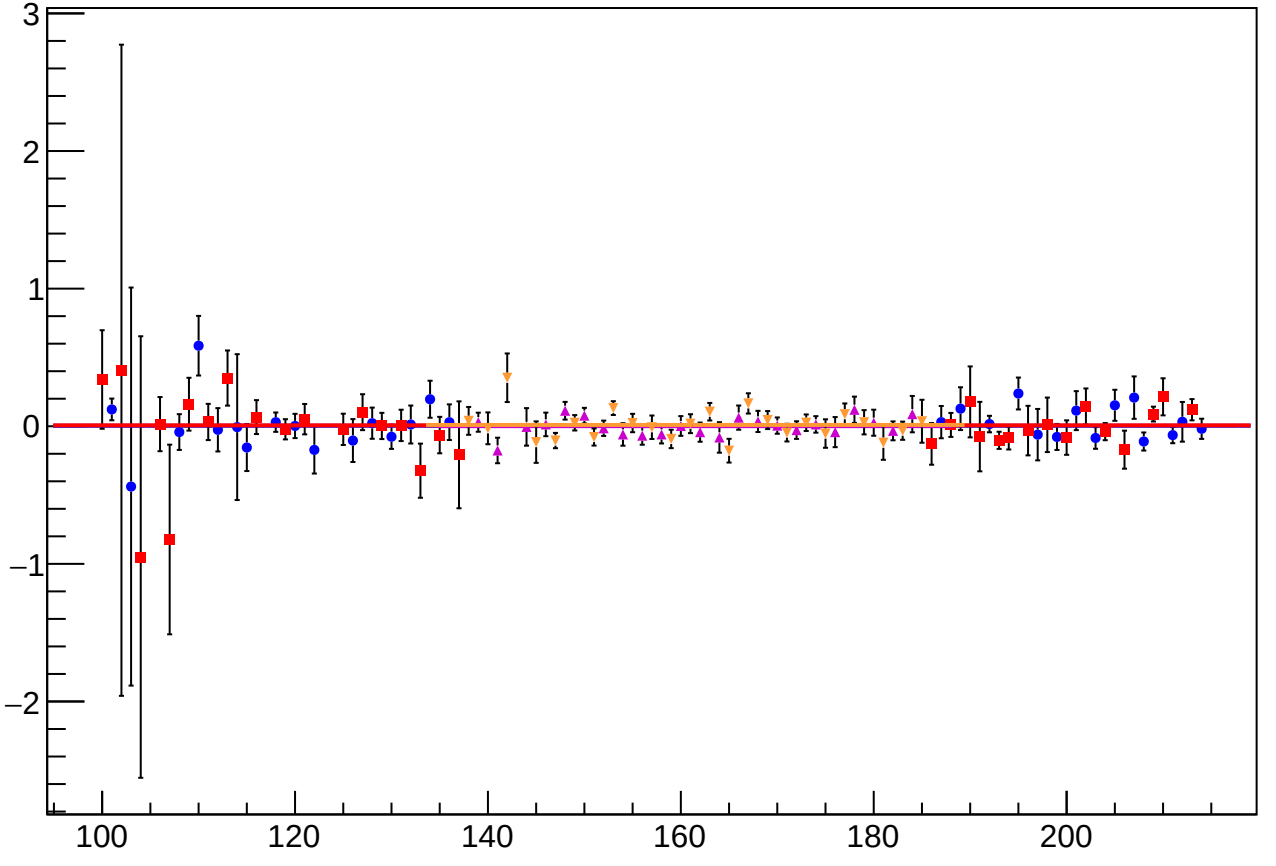
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.482+/-0.008 χ^2/NDF: 6788203.8/53

All: 62.524+/-0.006 χ^2/NDF: 13908454.4/109

- sign 63.637+/-0.009 χ^2/NDF: 7088016.0/55

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/29

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.006+/-0.020 χ^2/NDF: 27.1/32

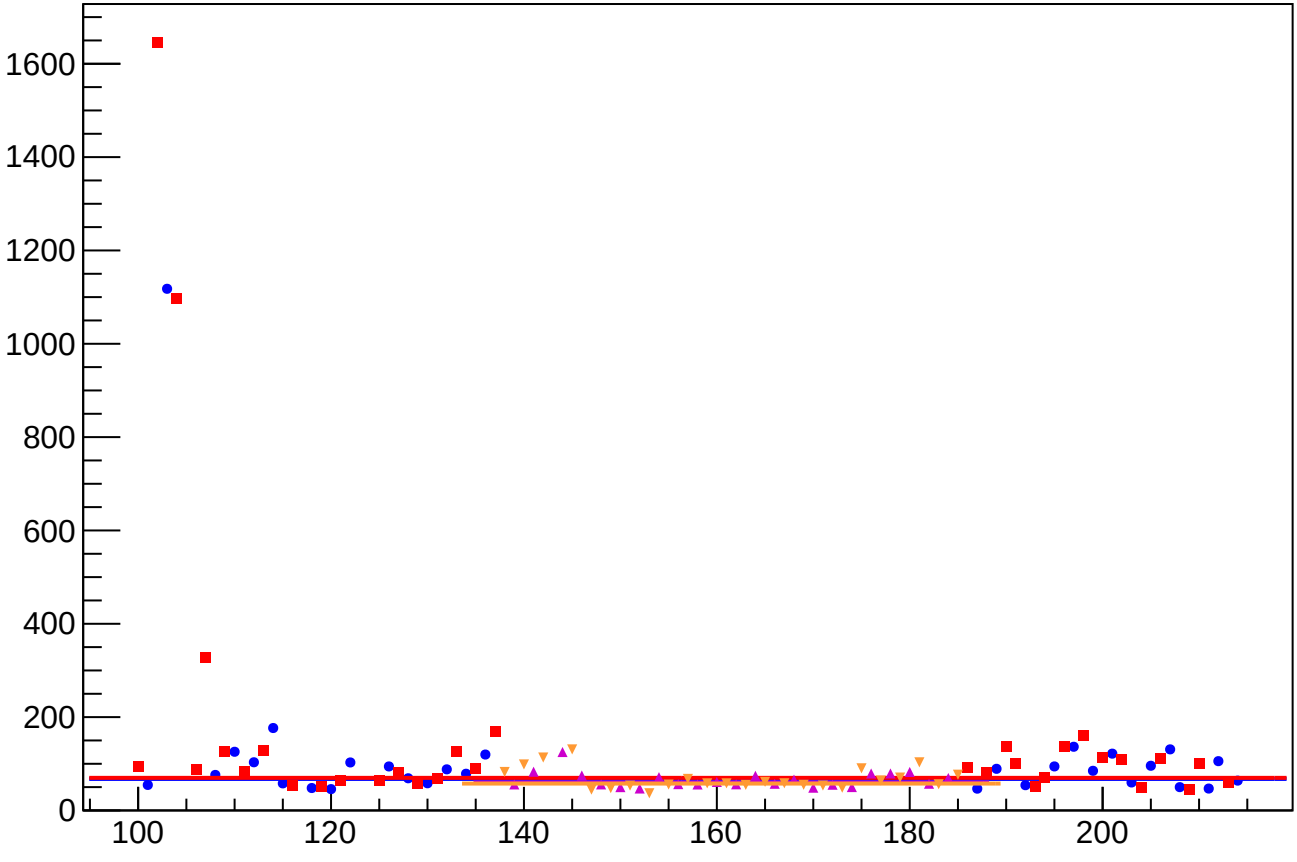
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.007+/-0.012 χ^2/NDF: 65.5/53

All: 0.005+/-0.008 χ^2/NDF: 108.3/109

- sign 0.003+/-0.012 χ^2/NDF: 42.7/55

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.559+/-0.013 χ^2/NDF: 4236926.5/29

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.850+/-0.014 χ^2/NDF: 5429259.9/32

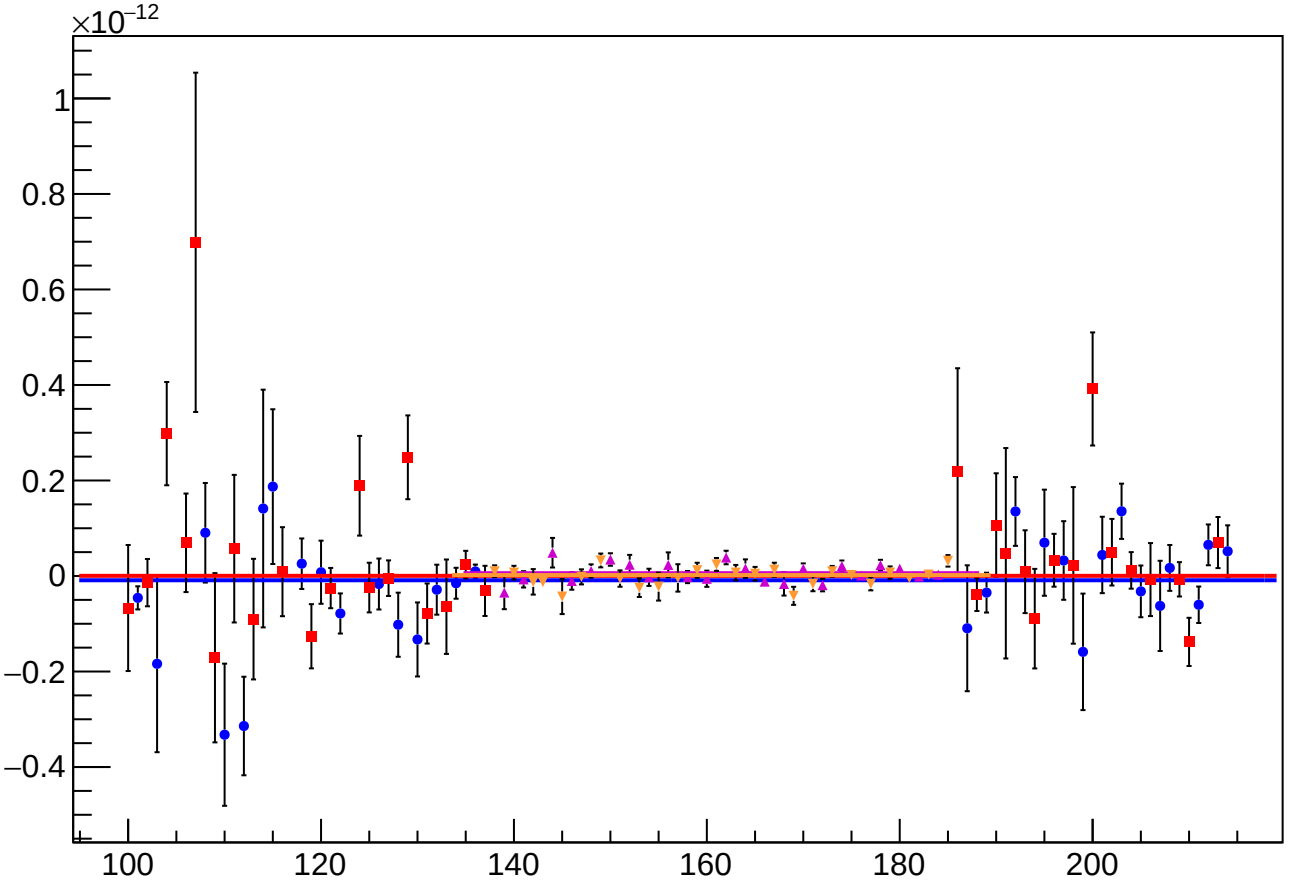
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.482+/-0.008 χ^2/NDF: 6788203.8/53

All: 62.524+/-0.006 χ^2/NDF: 13908454.4/109

- sign 63.637+/-0.009 χ^2/NDF: 7088016.0/55

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 49.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

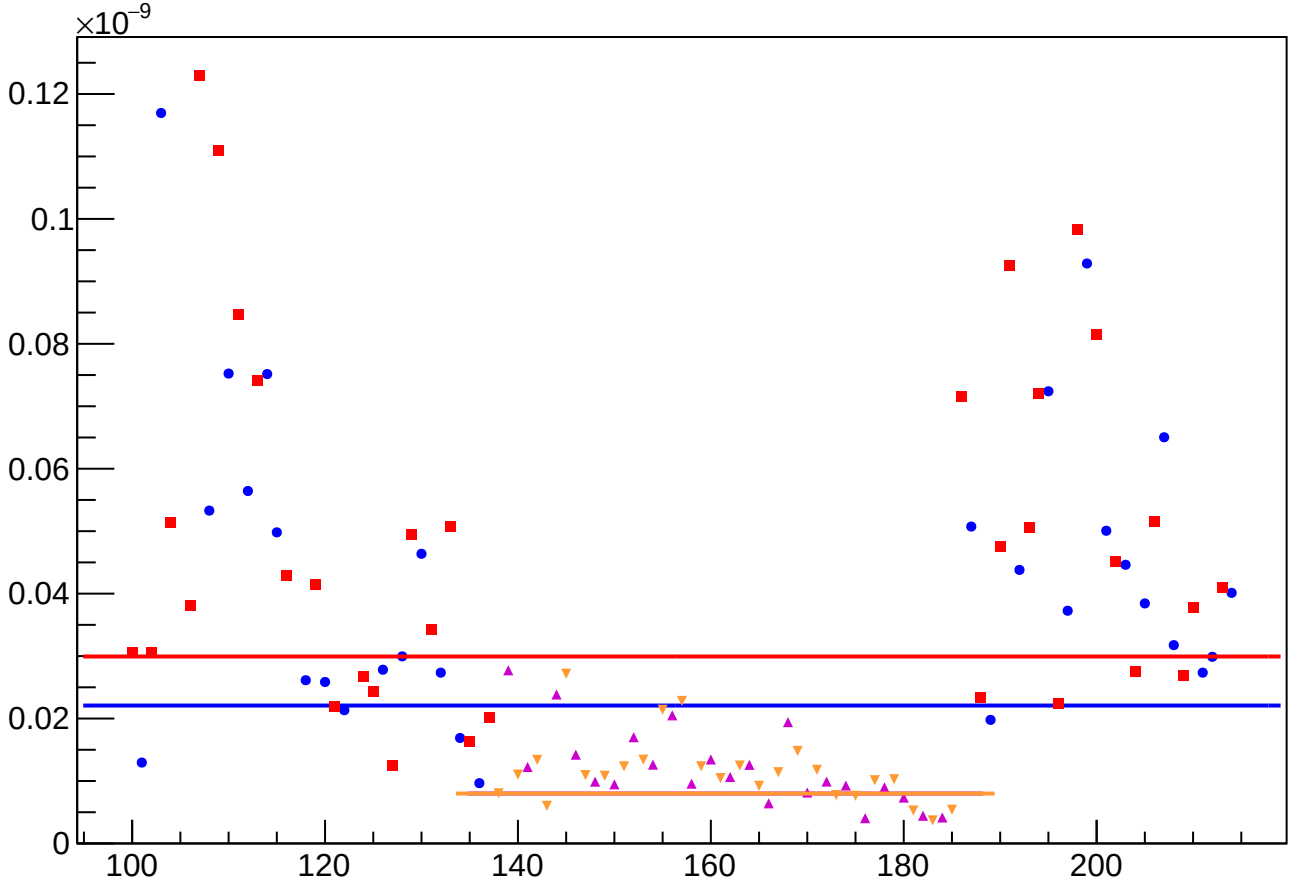
Right Out: 0.000+/-0.000 χ^2/NDF: 57.5/33

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.2/54

All: 0.000+/-0.000 χ^2/NDF: 175.2/111

- sign 0.000+/-0.000 χ^2/NDF: 90.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6418097.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4461473.8/33

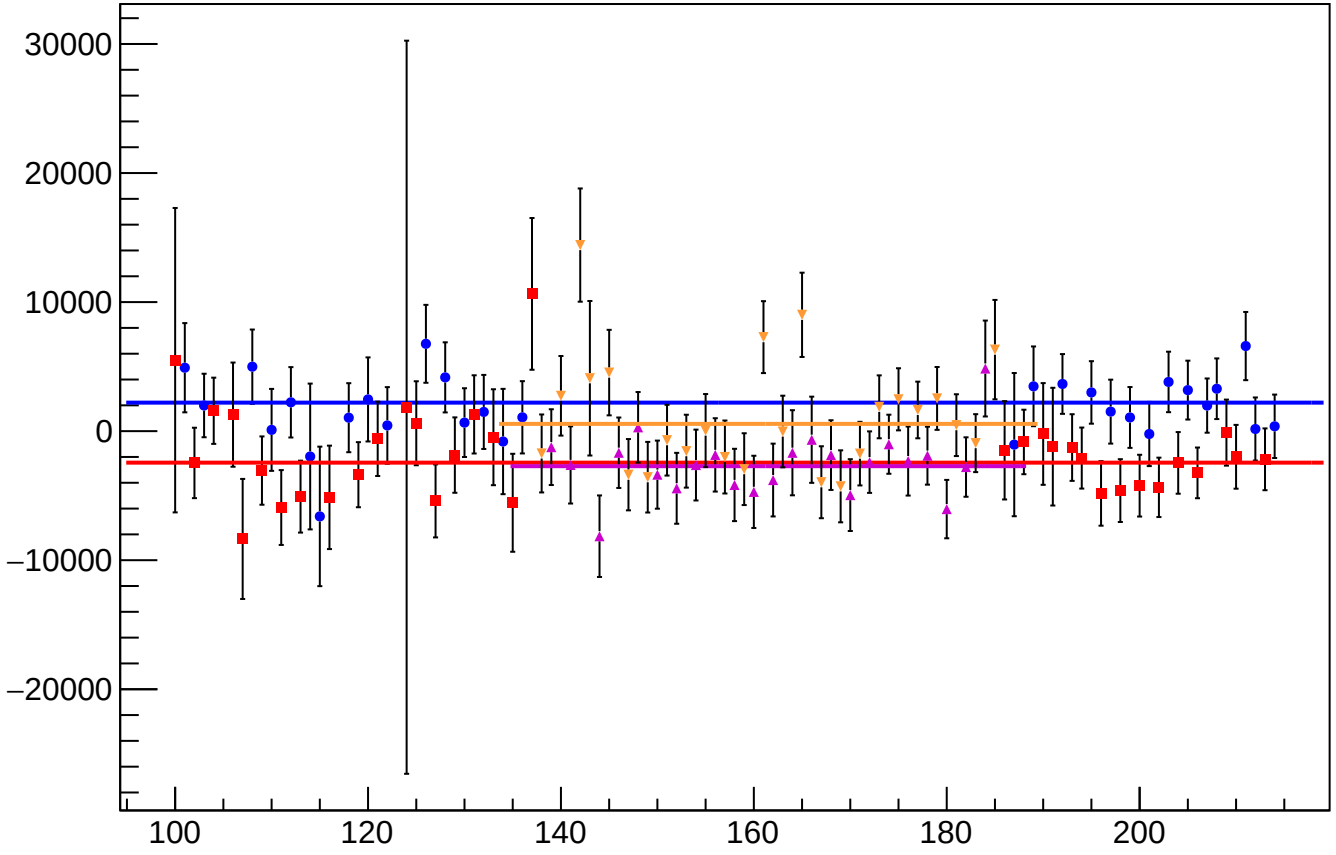
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16450477.6/54

All: 0.000+/-0.000 χ^2/NDF: 34402459.0/111

- sign 0.000+/-0.000 χ^2/NDF: 17949726.8/56

reg_asym_atl2_mean vs Slug



Right In: 2209.551+/-501.971 χ^2/NDF: 16.8/29

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2440.585+/-497.723 χ^2/NDF: 23.3/33

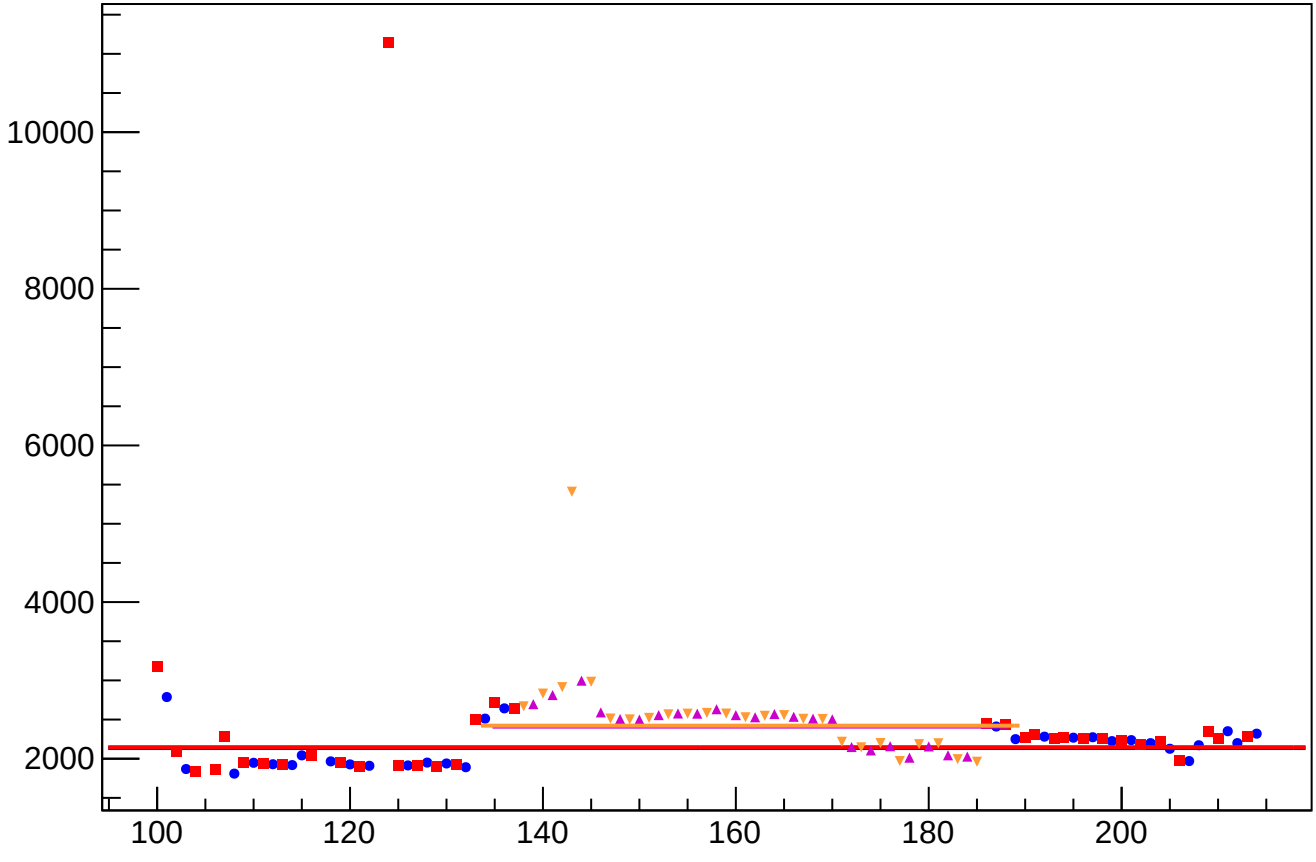
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1471.796+/-372.984 χ^2/NDF: 65.6/54

All: -539.936+/-264.035 χ^2/NDF: 161.6/111

- sign -2560.726+/-373.822 χ^2/NDF: 37.7/56

reg_asym_atl2_rms vs Slug



Right In: 2136.459+/-0.355 χ^2/NDF: 372639.8/29

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.279+/-0.352 χ^2/NDF: 550231.3/33

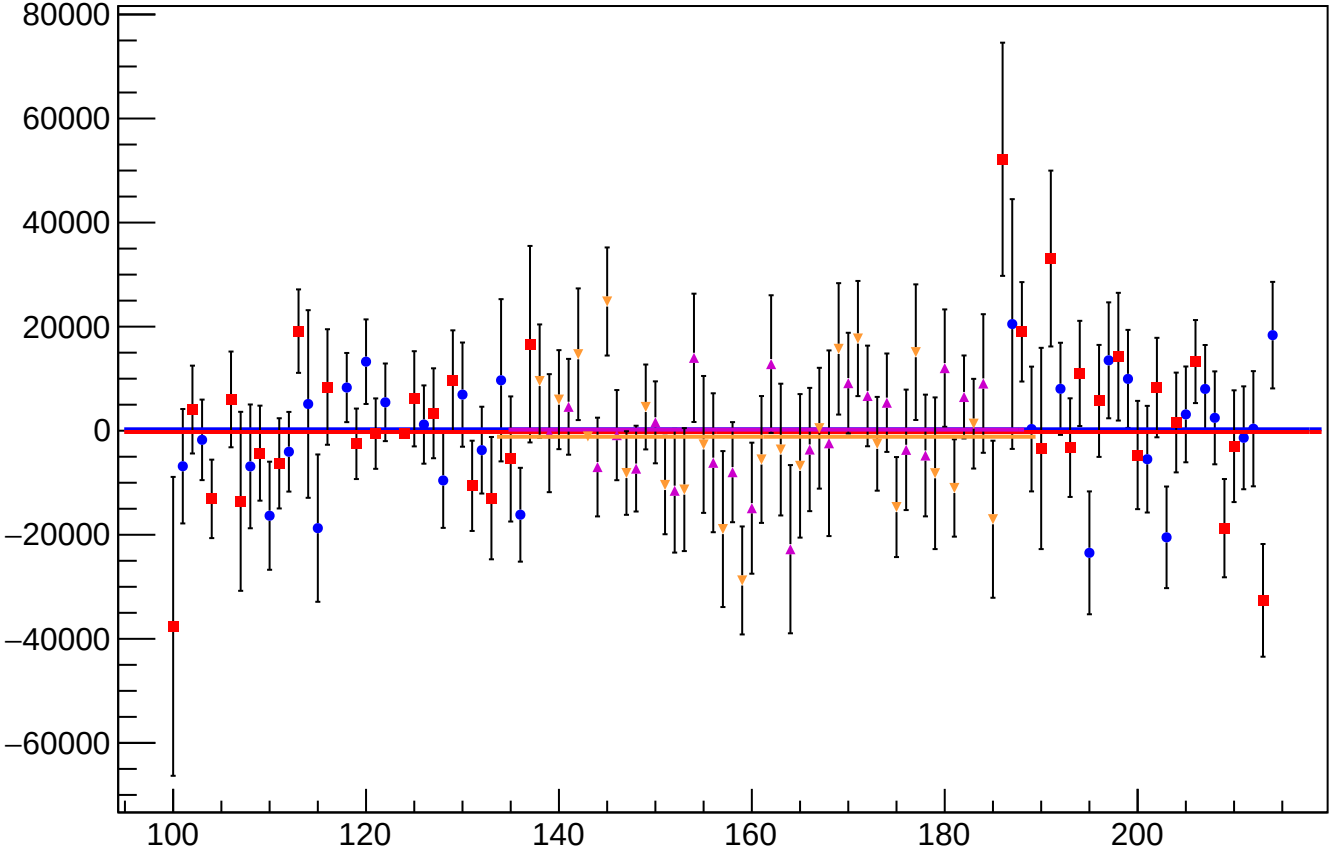
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.419+/-0.264 χ^2/NDF: 1615663.9/54

All: 2263.073+/-0.187 χ^2/NDF: 2836881.2/11

- sign 2261.721+/-0.264 χ^2/NDF: 1221165.1/56

asym_atl2_reg_correction_mean vs Slug



Right In: 269.722+/-1749.128 χ^2/NDF: 32.6/29

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -245.896+/-740.307 χ^2/NDF: 51.8/33

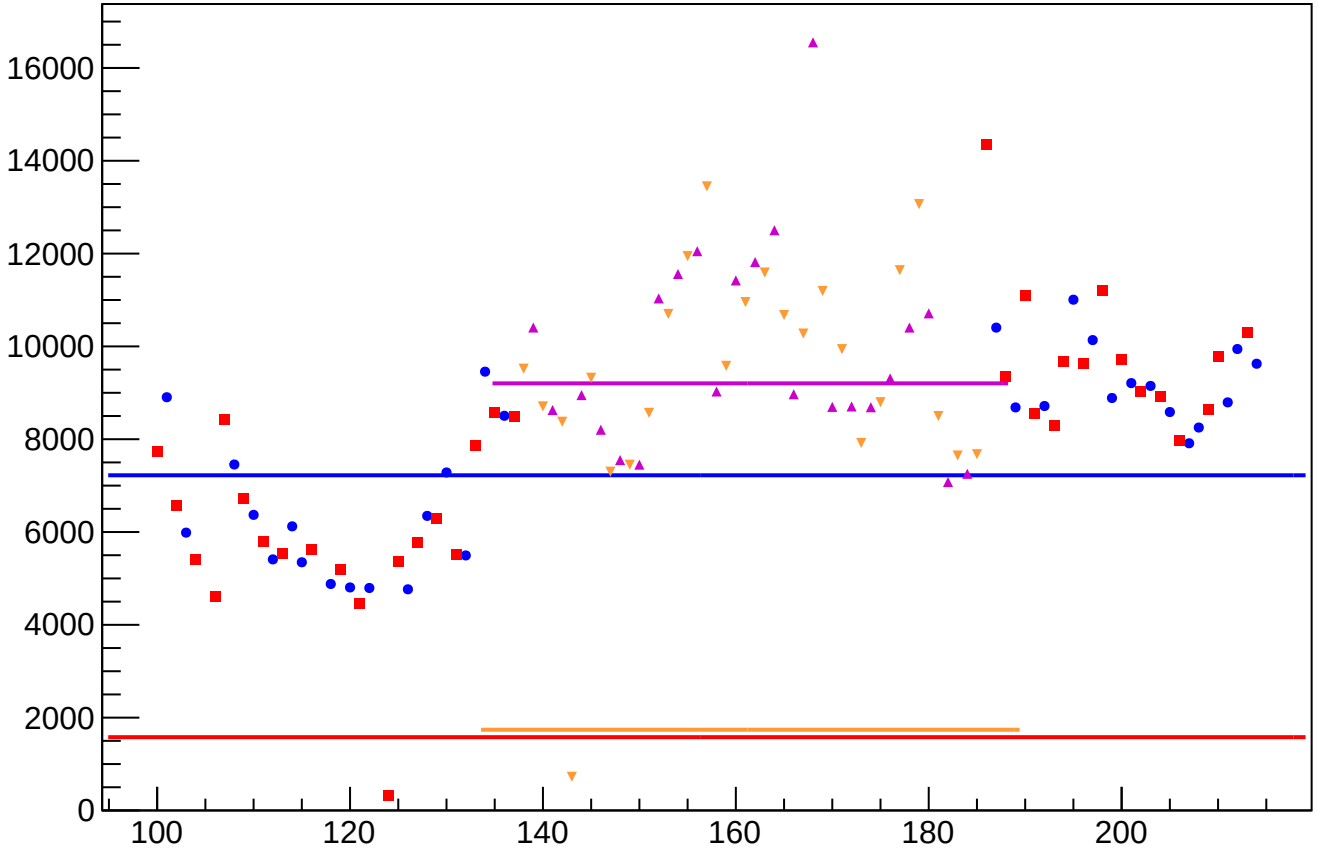
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -932.548+/-695.344 χ^2/NDF: 65.1/54

All: -569.184+/-493.840 χ^2/NDF: 130.9/111

- sign -199.371+/-701.486 χ^2/NDF: 65.2/56

asym_atl2_reg_correction_rms vs Slug



Right In: 7222.790+/-1.237 χ^2/NDF: 2347371.4/29

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1579.170+/-0.523 χ^2/NDF: 28530353.3/33

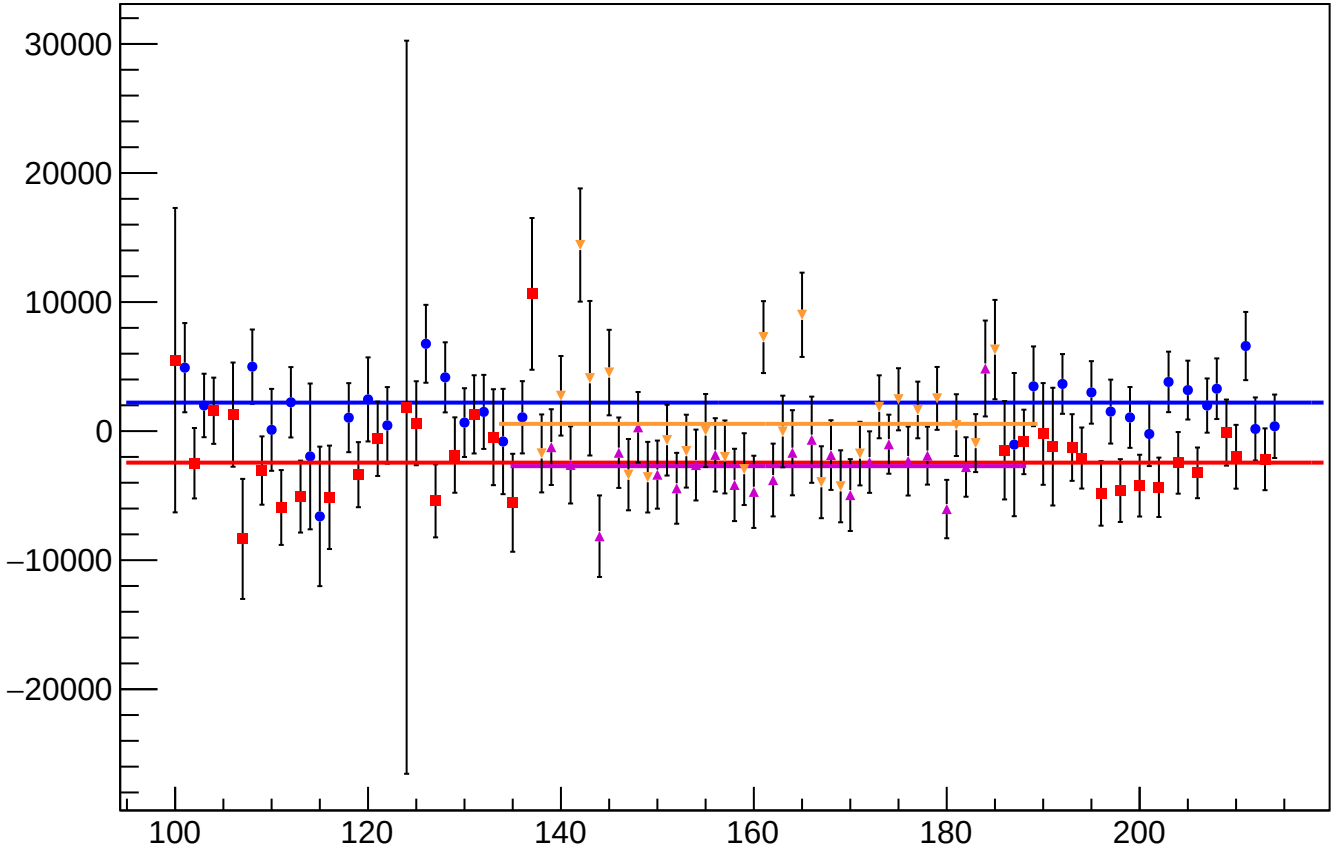
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2606.219+/-0.492 χ^2/NDF: 46628924.0/54

All: 2483.130+/-0.349 χ^2/NDF: 98224107.2/1

- sign 2357.857+/-0.496 χ^2/NDF: 51468727.9/56

cor_asym_atl2_mean vs Slug



Right In: 2209.549+/-501.971 χ^2/NDF: 16.8/29

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2441.378+/-497.725 χ^2/NDF: 23.3/33

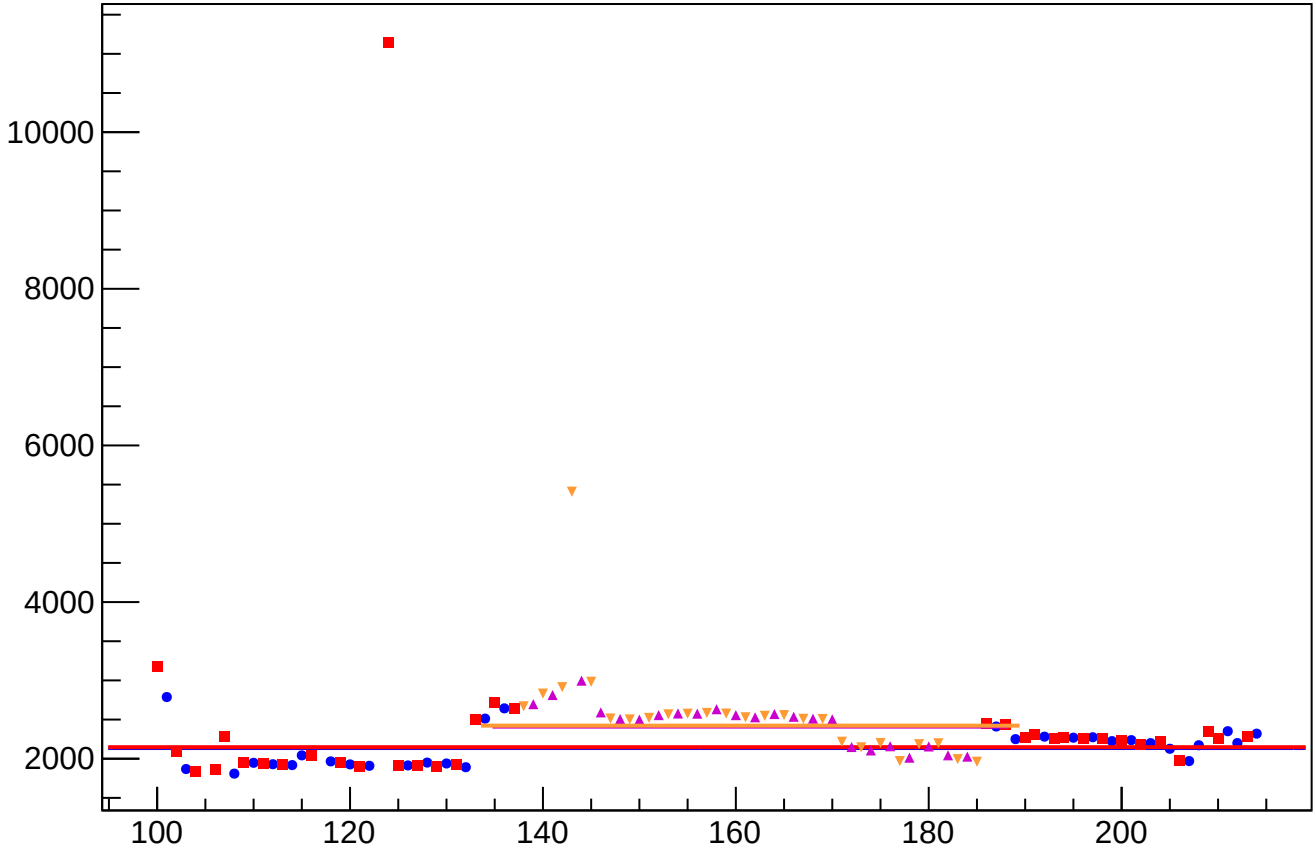
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1471.796+/-372.984 χ^2/NDF: 65.6/54

All: -540.146+/-264.036 χ^2/NDF: 161.6/111

- sign -2561.157+/-373.823 χ^2/NDF: 37.7/56

cor_asym_atl2_rms vs Slug



Right In: 2136.459+/-0.355 χ^2/NDF: 372639.7/29

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.289+/-0.352 χ^2/NDF: 550223.0/33

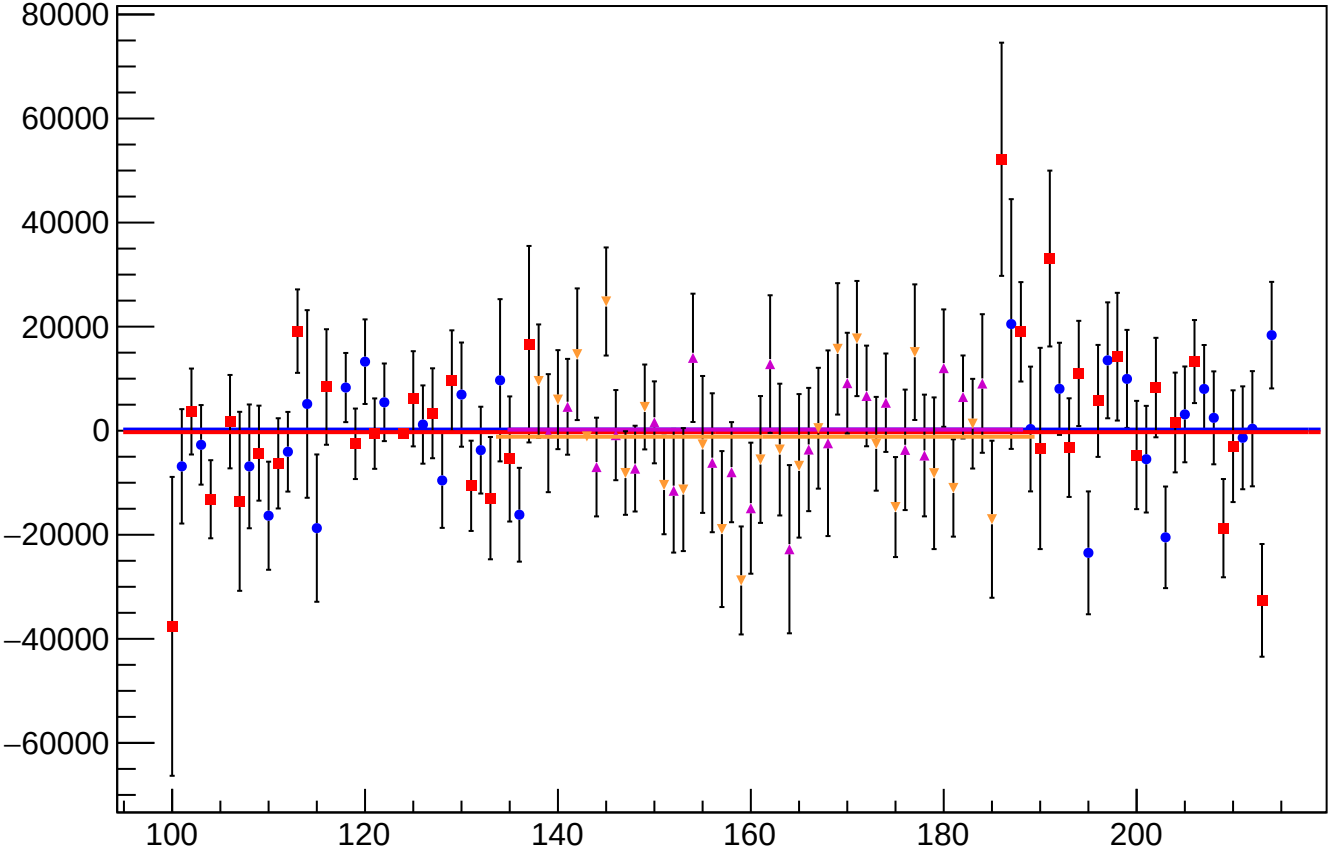
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.419+/-0.264 χ^2/NDF: 1615664.0/54

All: 2263.076+/-0.187 χ^2/NDF: 2836852.5/11

- sign 2261.727+/-0.264 χ^2/NDF: 1221136.6/56

asym_atl2_cor_correction_mean vs Slug



Right In: 216.637+/-1748.063 χ^2/NDF: 32.7/29

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -277.034+/-740.004 χ^2/NDF: 51.4/33

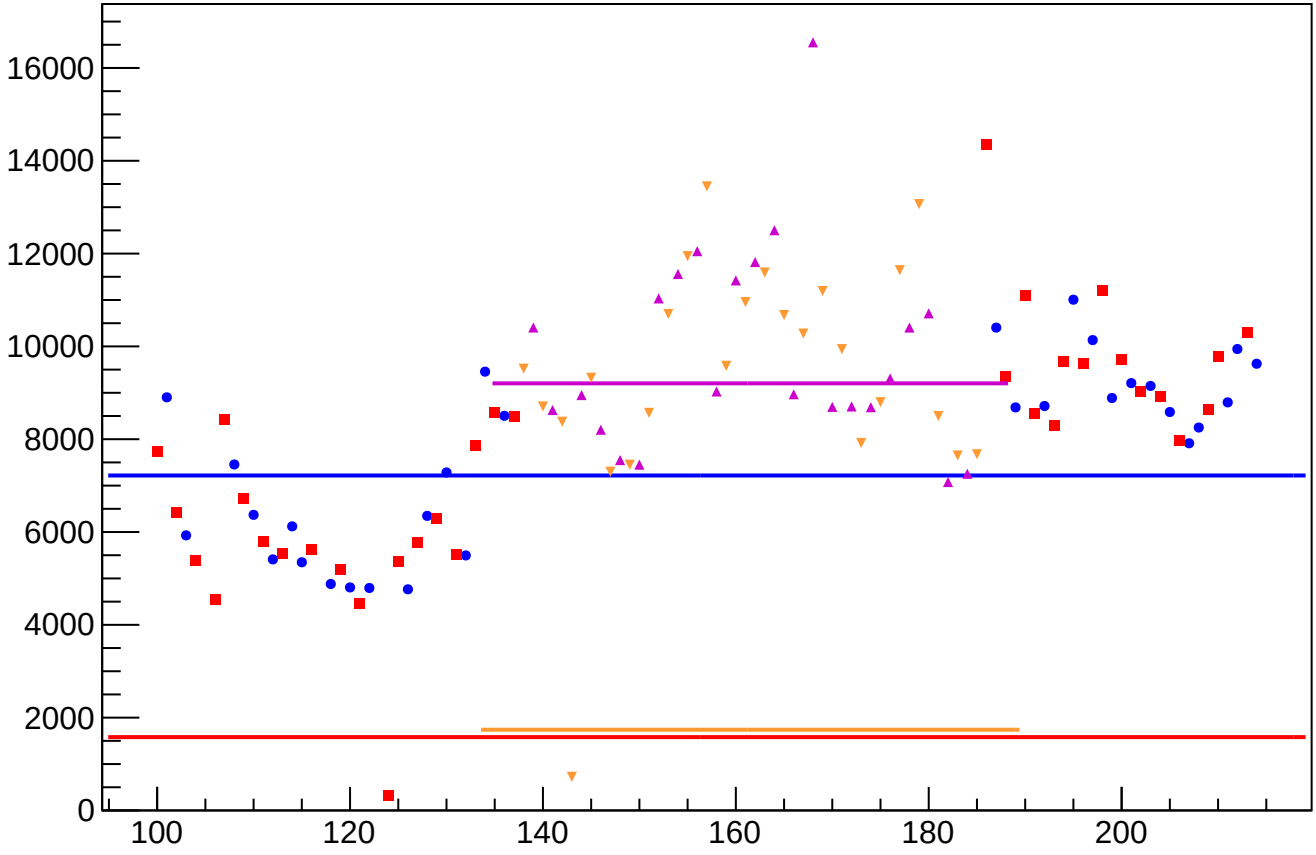
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -940.544+/-695.227 χ^2/NDF: 65.2/54

All: -587.027+/-493.708 χ^2/NDF: 130.5/111

- sign -227.381+/-701.228 χ^2/NDF: 64.8/56

asym_atl2_cor_correction_rms vs Slug



Right In: 7218.208+/-1.236 χ^2/NDF: 2353536.4/29

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1580.286+/-0.523 χ^2/NDF: 28520595.5/33

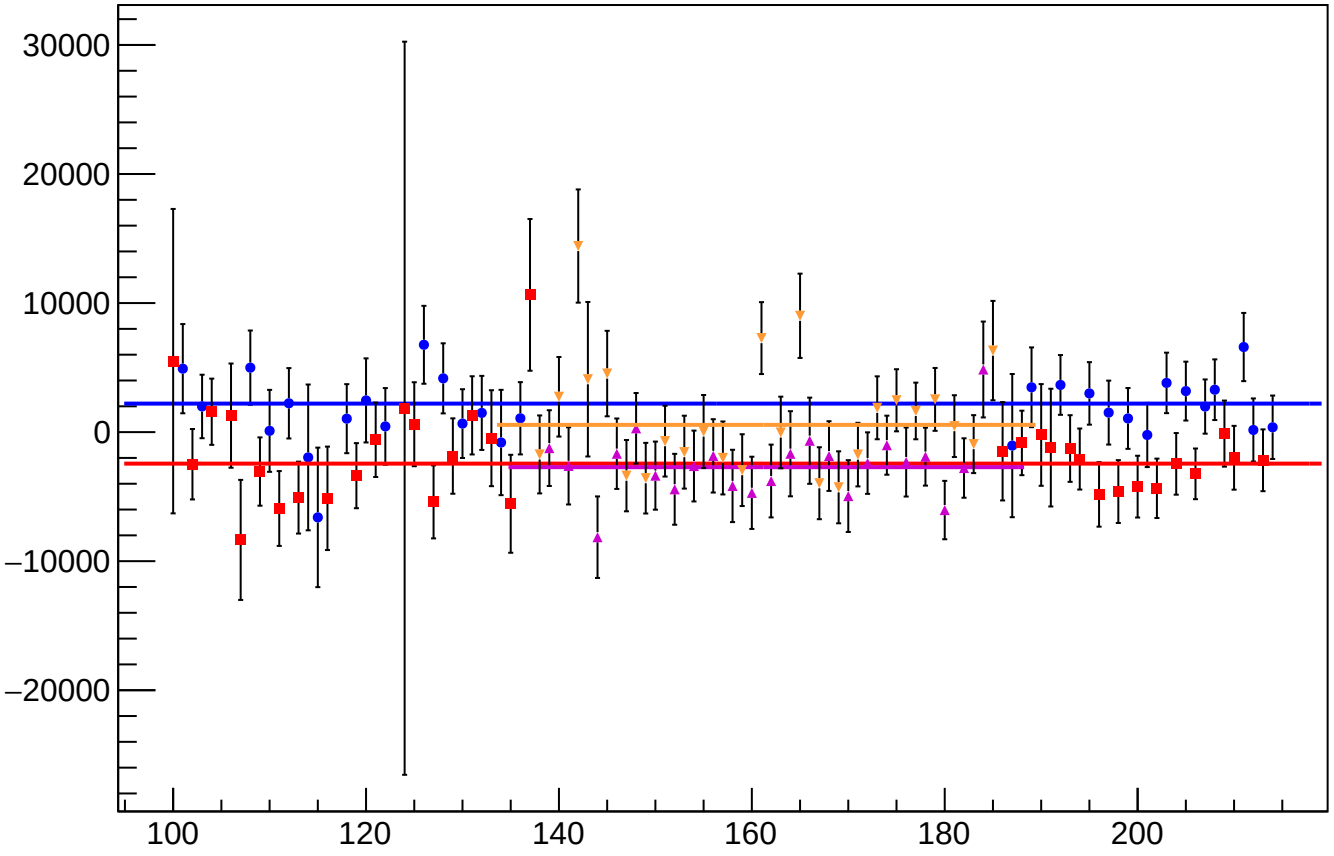
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2606.062+/-0.492 χ^2/NDF: 46627297.7/54

All: 2483.238+/-0.349 χ^2/NDF: 98207652.3/1

- sign 2358.285+/-0.496 χ^2/NDF: 51454428.1/56

eigen_cor_asym_atl2_mean vs Slug



Right In: 2209.549+/-501.971 χ^2/NDF: 16.8/29

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2441.378+/-497.725 χ^2/NDF: 23.3/33

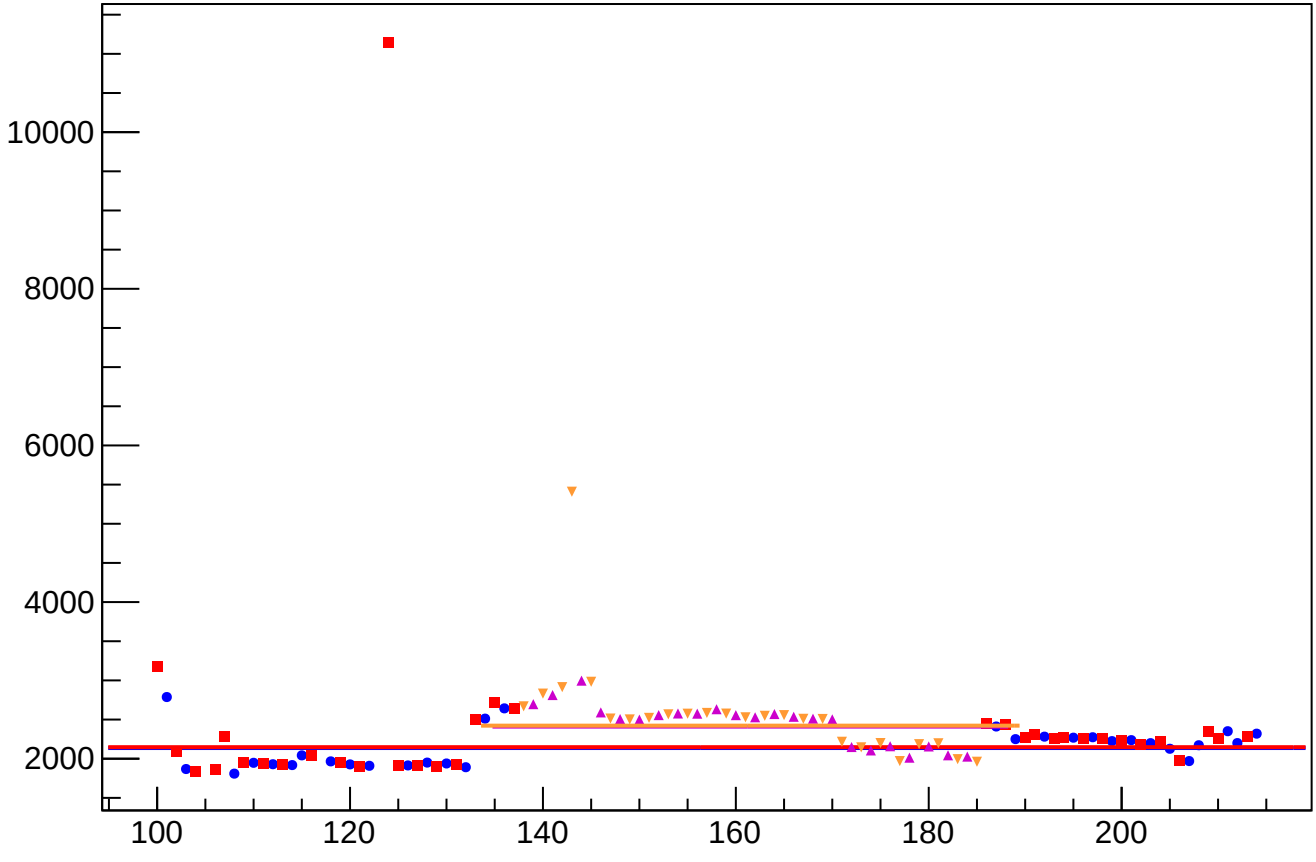
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1471.796+/-372.984 χ^2/NDF: 65.6/54

All: -540.146+/-264.036 χ^2/NDF: 161.6/111

- sign -2561.157+/-373.823 χ^2/NDF: 37.7/56

eigen_cor_asym_atl2_rms vs Slug



Right In: 2136.459+/-0.355 χ^2/NDF: 372639.7/29

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2147.289+/-0.352 χ^2/NDF: 550223.0/33

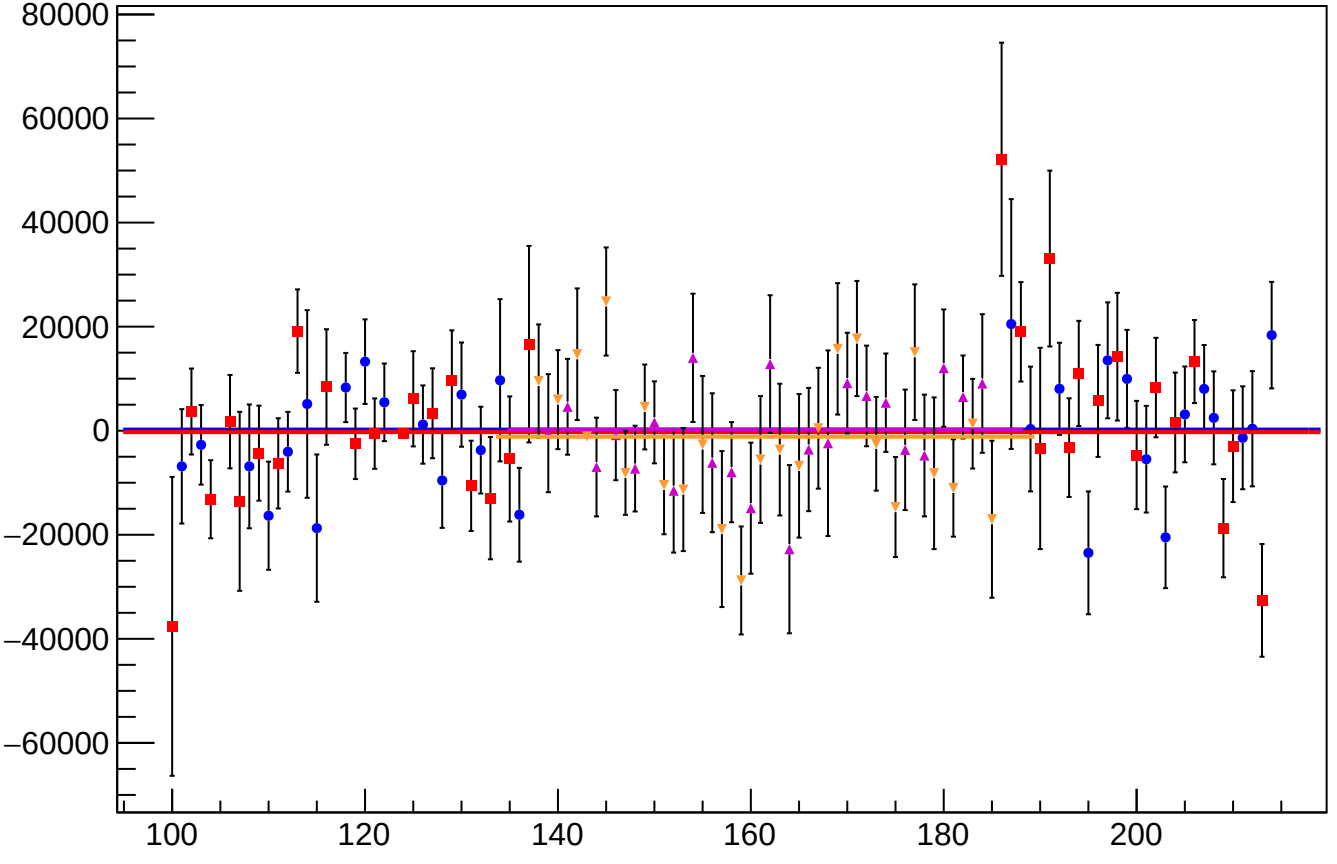
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2264.419+/-0.264 χ^2/NDF: 1615664.0/54

All: 2263.076+/-0.187 χ^2/NDF: 2836852.5/11

- sign 2261.727+/-0.264 χ^2/NDF: 1221136.6/56

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: 216.637+/-1748.063 χ^2/NDF: 32.7/29

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -277.034+/-740.004 χ^2/NDF: 51.4/33

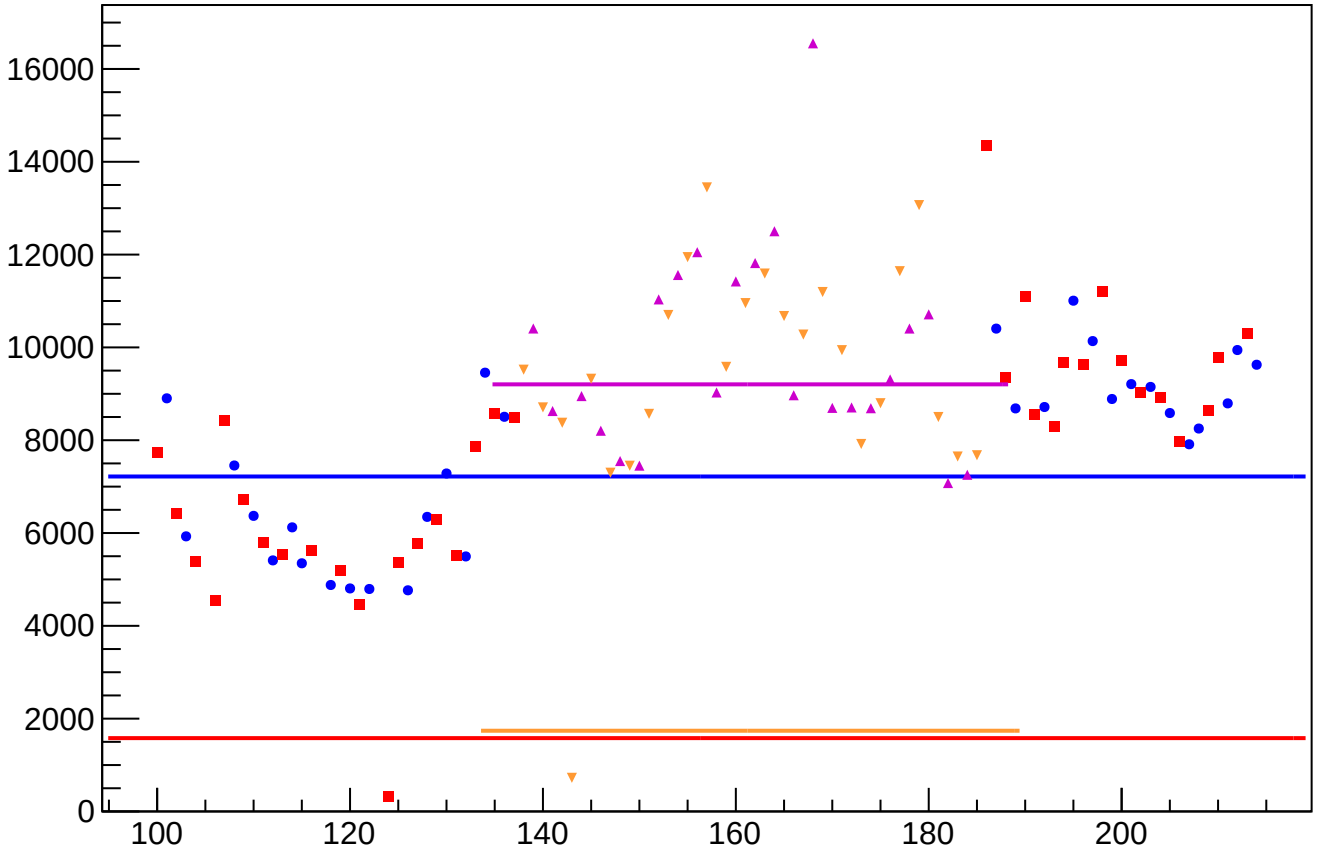
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -940.544+/-695.227 χ^2/NDF: 65.2/54

All: -587.027+/-493.708 χ^2/NDF: 130.5/111

- sign -227.381+/-701.228 χ^2/NDF: 64.8/56

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7218.208+/-1.236 χ^2/NDF: 2353536.4/29

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1580.286+/-0.523 χ^2/NDF: 28520595.5/33

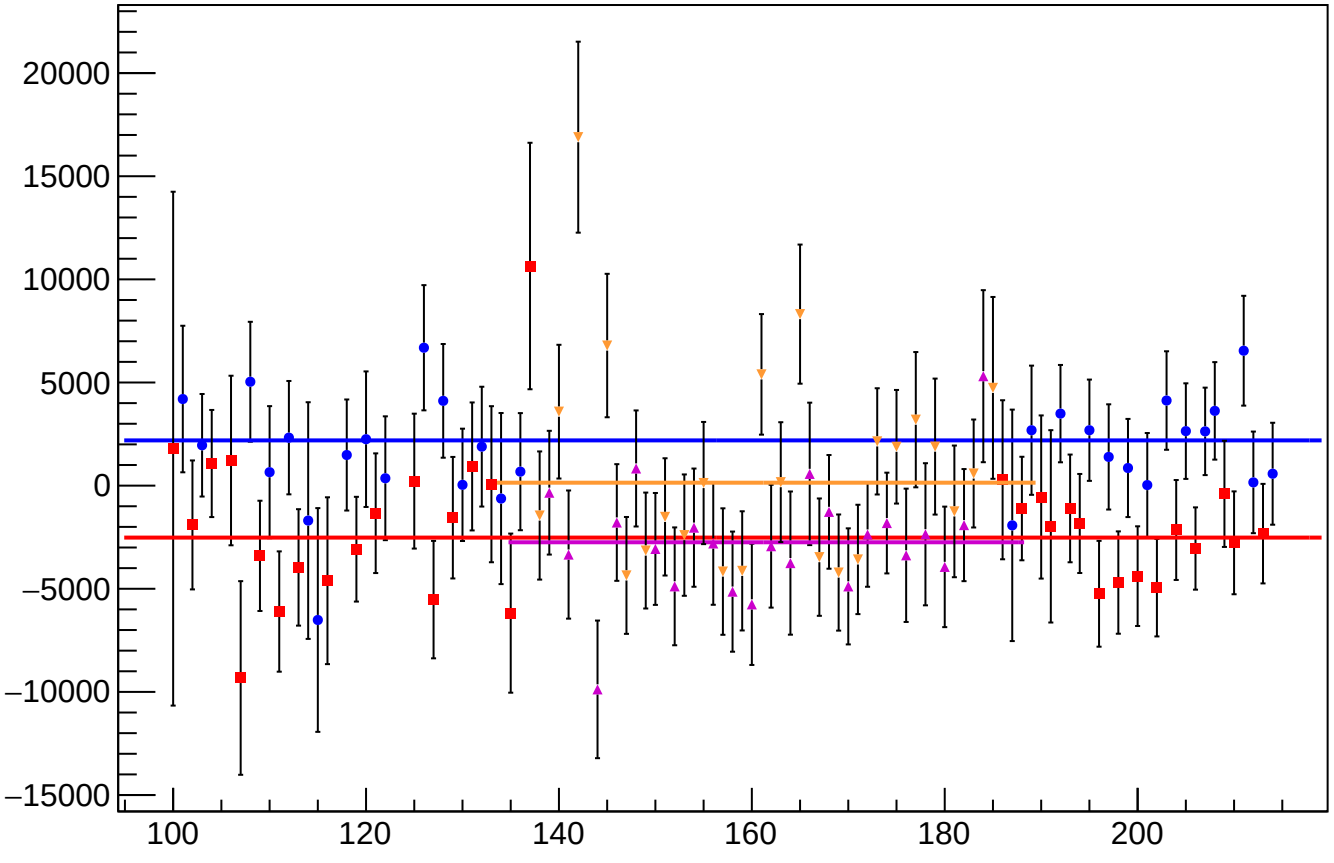
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2606.062+/-0.492 χ^2/NDF: 46627297.7/54

All: 2483.238+/-0.349 χ^2/NDF: 98207652.3/1

- sign 2358.285+/-0.496 χ^2/NDF: 51454428.1/56

dit_asym_atl2_mean vs Slug



Right In: 2193.284+/-508.284 χ^2/NDF: 16.0/29

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2518.930+/-505.893 χ^2/NDF: 22.6/32

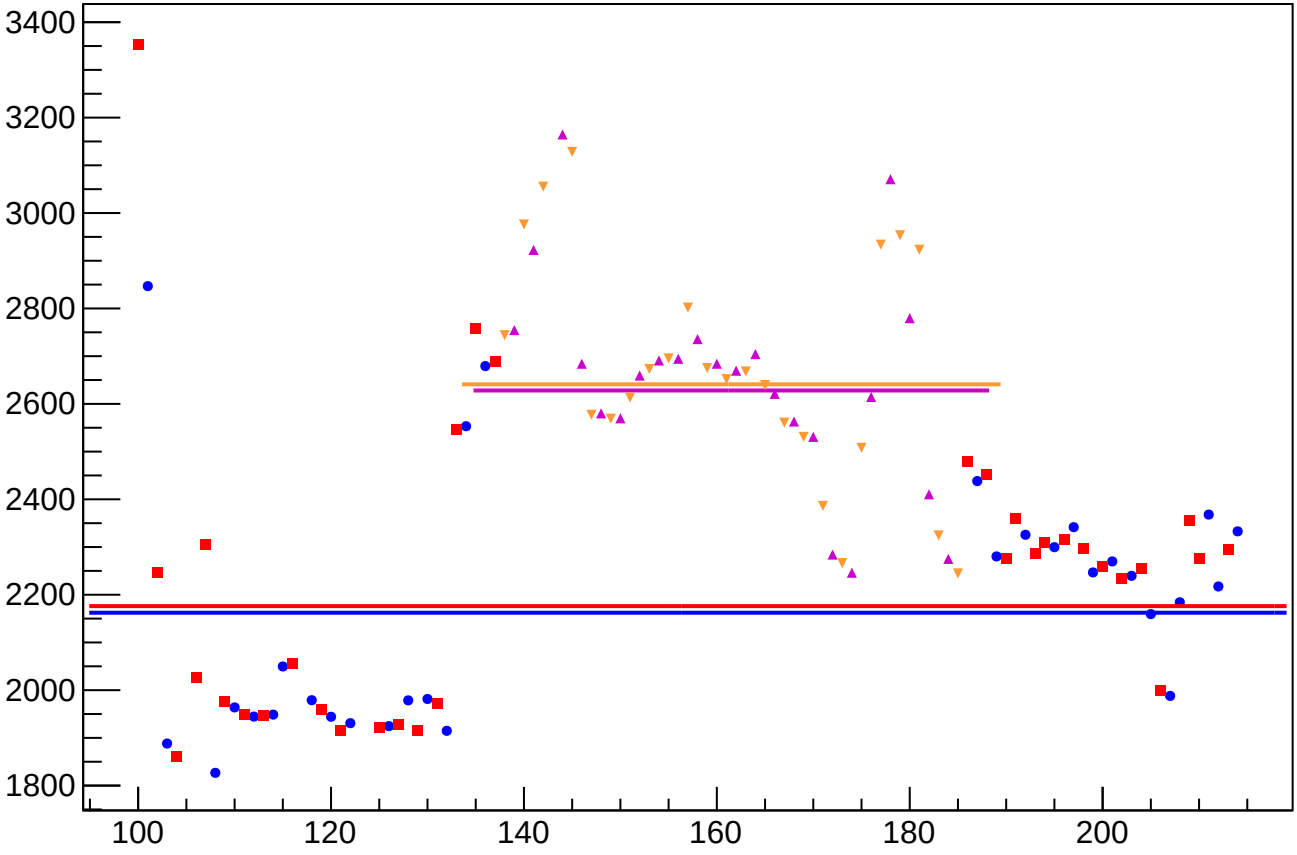
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1362.154+/-391.981 χ^2/NDF: 68.4/53

All: -629.174+/-276.818 χ^2/NDF: 158.0/109

- sign -2610.363+/-390.982 χ^2/NDF: 38.1/55

dit_asym_atl2_rms vs Slug



Right In: 2162.347+/-0.359 χ^2/NDF: 385479.1/29

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2176.155+/-0.357 χ^2/NDF: 353245.0/32

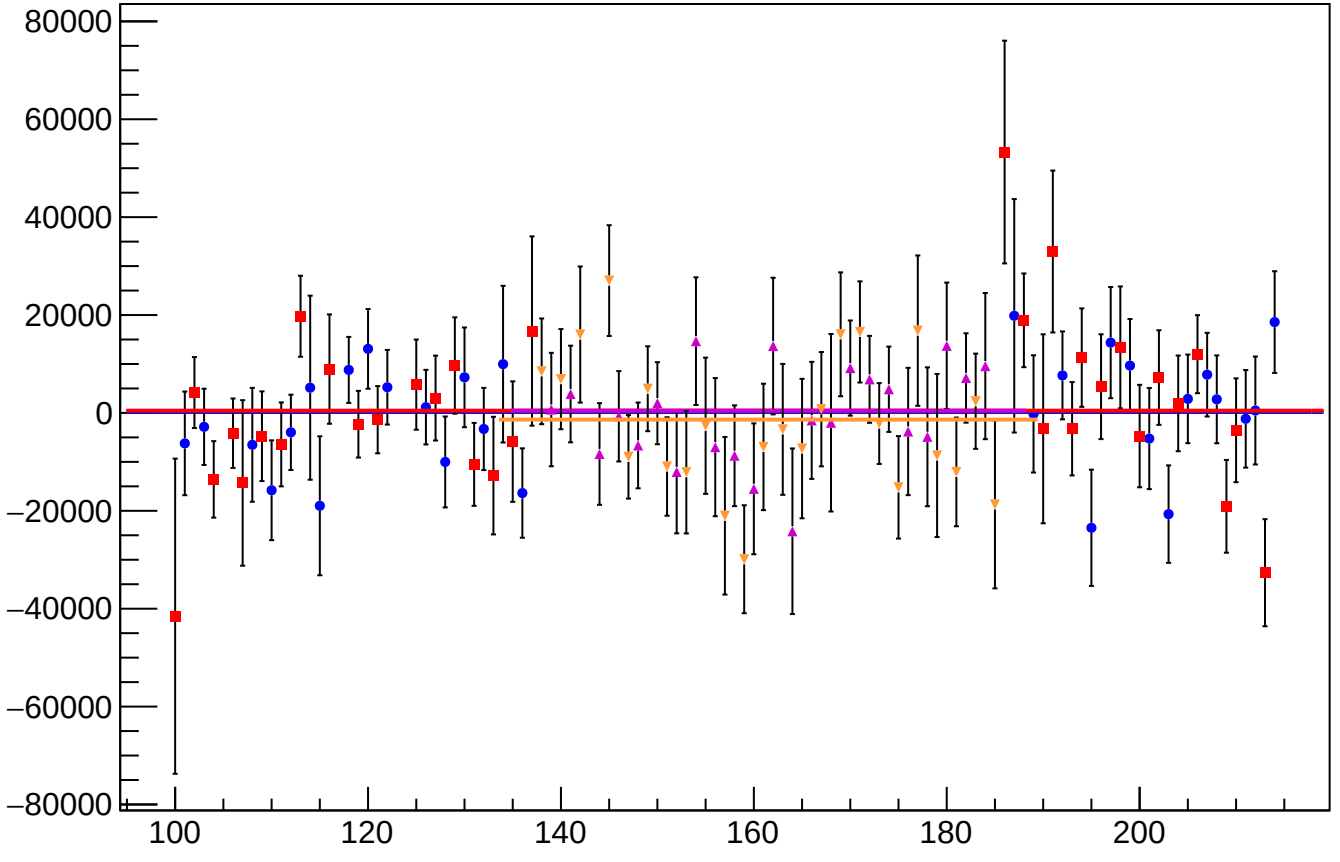
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2356.329+/-0.277 χ^2/NDF: 1357649.4/53

All: 2357.175+/-0.196 χ^2/NDF: 2591573.4/10

- sign 2358.016+/-0.276 χ^2/NDF: 1233905.5/55

asym_atl2_dit_correction_mean vs Slug



Right In: 201.606+/-1761.591 χ^2/NDF: 32.3/29

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 458.869+/-1700.534 χ^2/NDF: 50.8/32

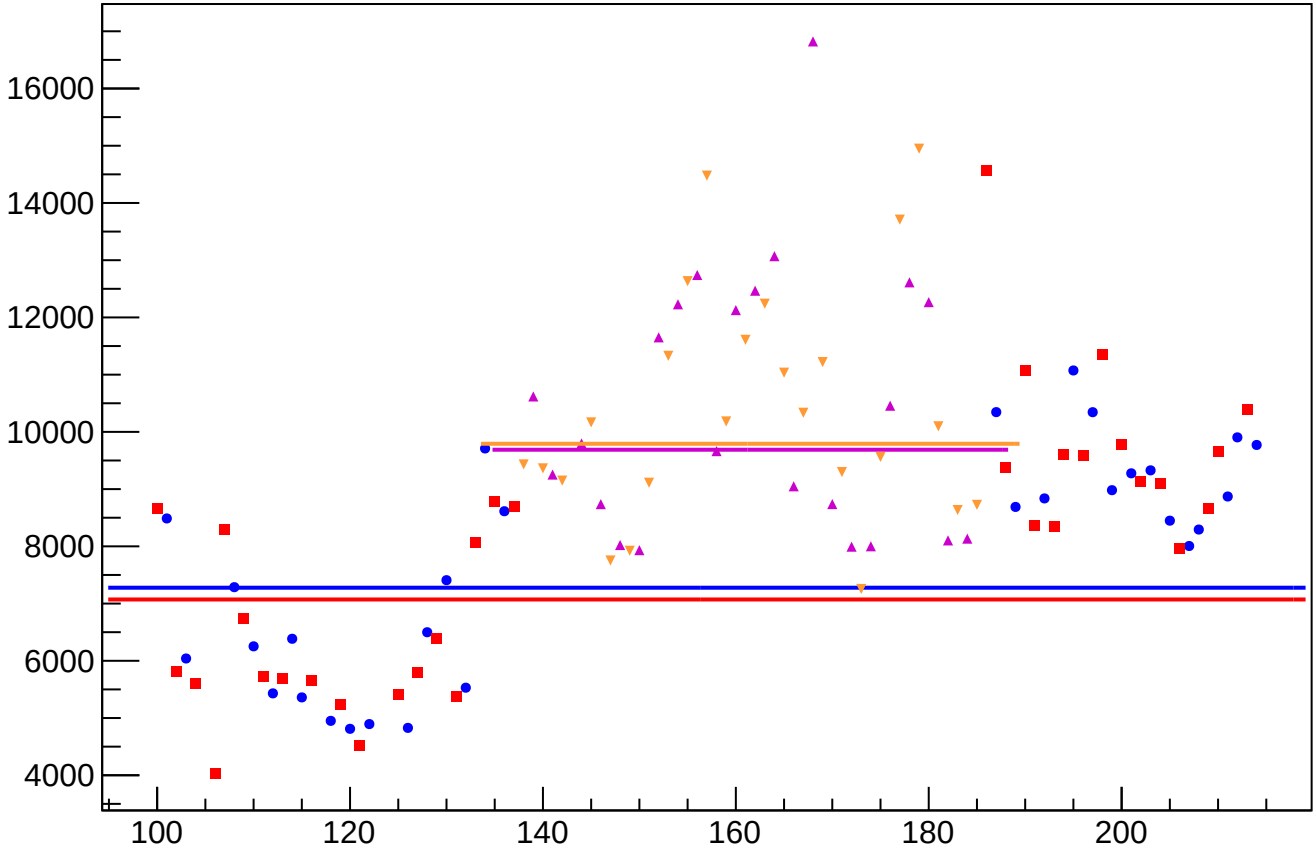
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -370.010+/-1404.368 χ^2/NDF: 63.8/53

All: 55.456+/-980.809 χ^2/NDF: 127.9/109

- sign 460.589+/-1370.401 χ^2/NDF: 63.9/55

asym_atl2_dit_correction_rms vs Slug



Right In: 7277.094+/-1.246 χ^2/NDF: 2315260.7/29

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

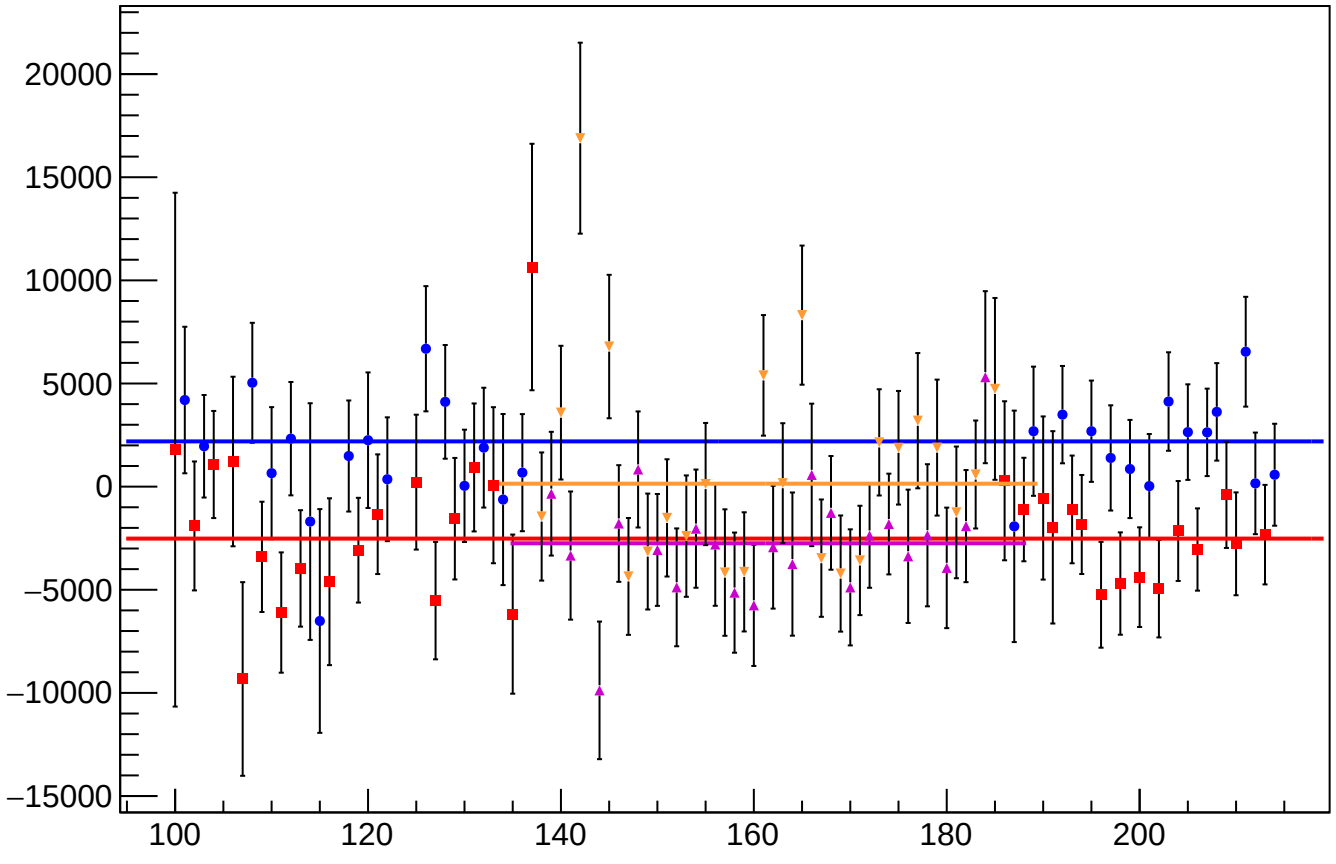
Right Out: 7071.616+/-1.202 χ^2/NDF: 2974532.4/32

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8193.729+/-0.993 χ^2/NDF: 5020185.3/53

All: 8088.826+/-0.694 χ^2/NDF: 11054687.0/1

- sign 7988.935+/-0.969 χ^2/NDF: 6012715.8/55



Right In: 2193.287+/-508.284 χ^2/NDF: 16.0/29

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2518.927+/-505.893 χ^2/NDF: 22.6/32

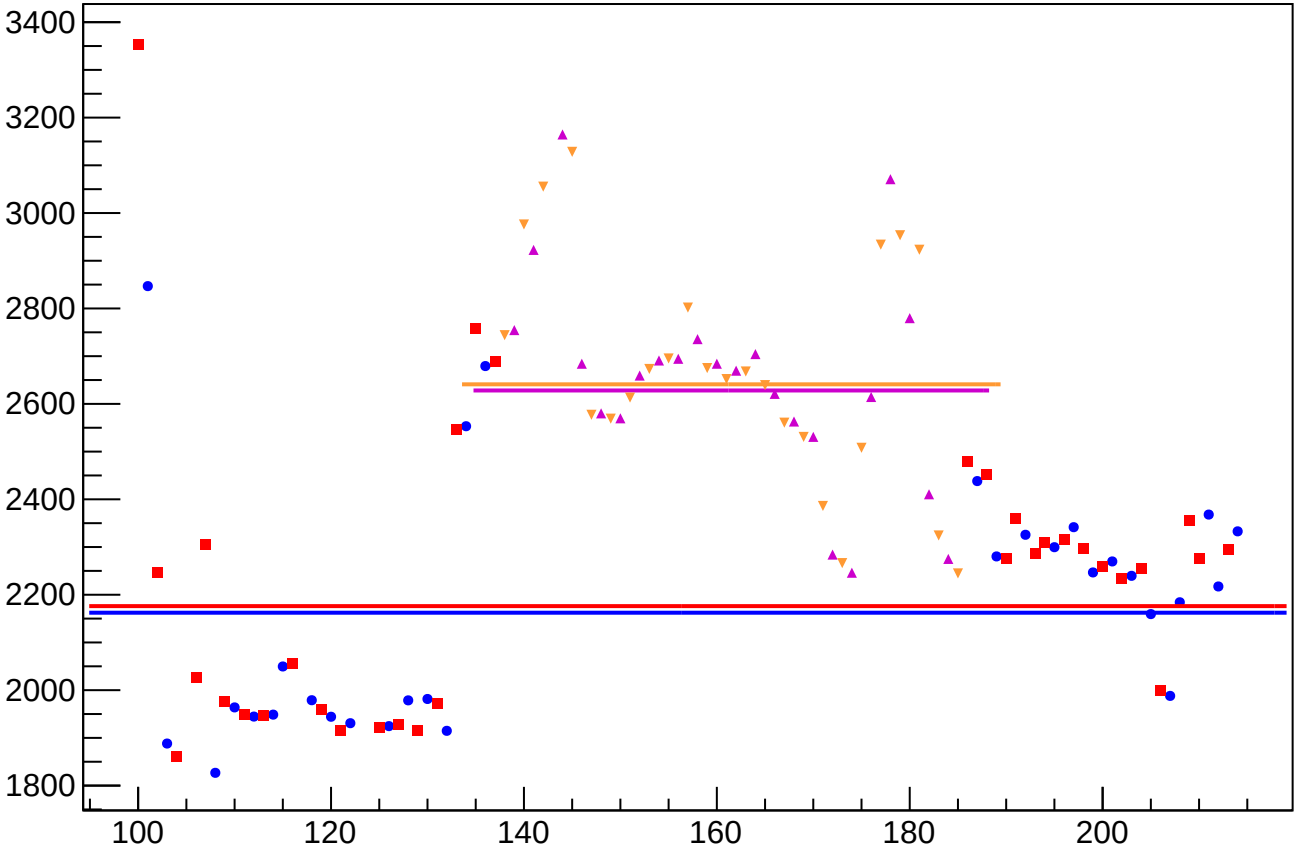
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1362.153+/-391.981 χ^2/NDF: 68.4/53

All: -629.174+/-276.819 χ^2/NDF: 158.0/109

- sign -2610.361+/-390.982 χ^2/NDF: 38.1/55

eigen_dit_asym_atl2_rms vs Slug



Right In: 2162.348+/-0.359 χ^2/NDF: 385479.1/29

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2176.155+/-0.357 χ^2/NDF: 353245.6/32

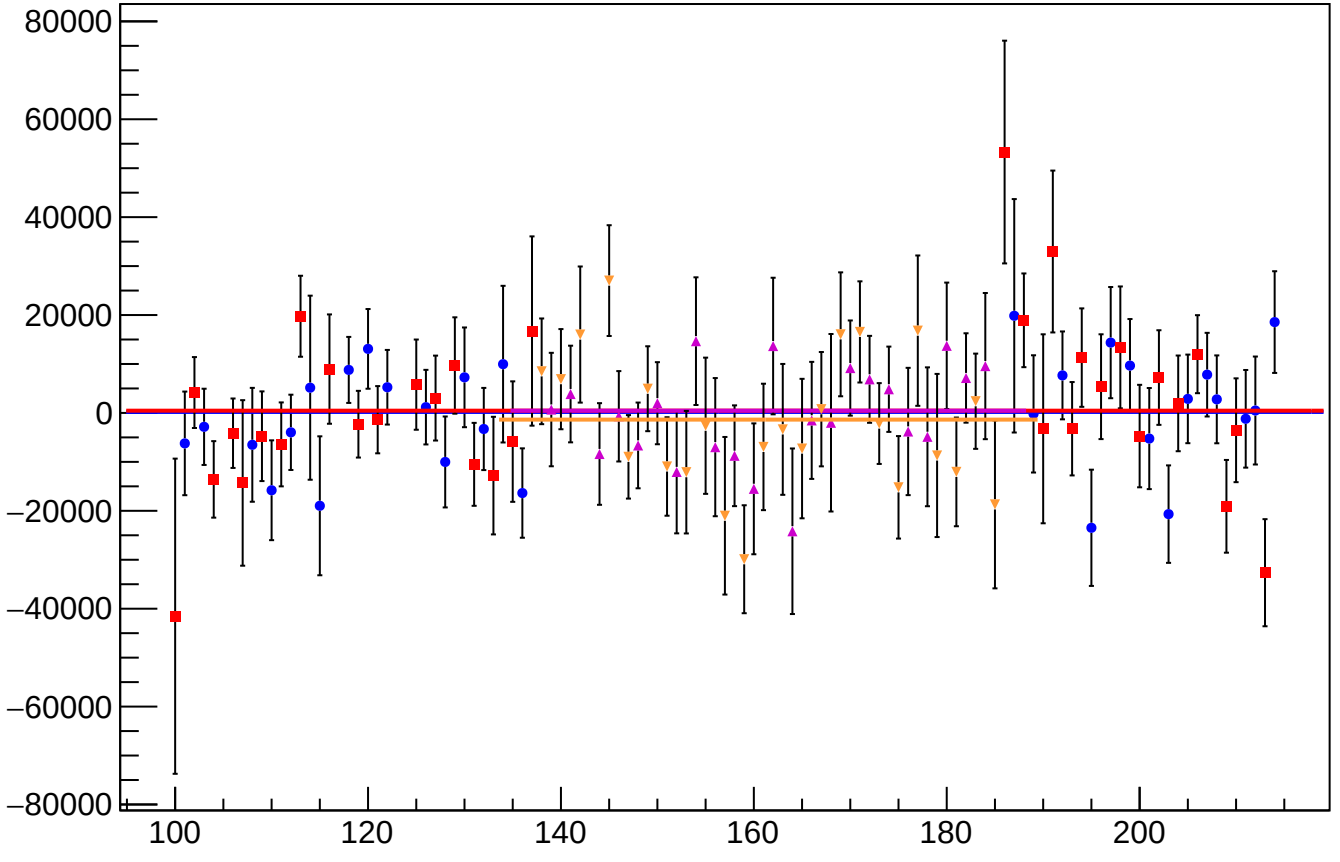
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2356.330+/-0.277 χ^2/NDF: 1357664.0/53

All: 2357.175+/-0.196 χ^2/NDF: 2591603.6/10

- sign 2358.016+/-0.276 χ^2/NDF: 1233921.0/55

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: 201.610+/-1761.590 χ^2/NDF: 32.3/29

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 458.861+/-1700.533 χ^2/NDF: 50.8/32

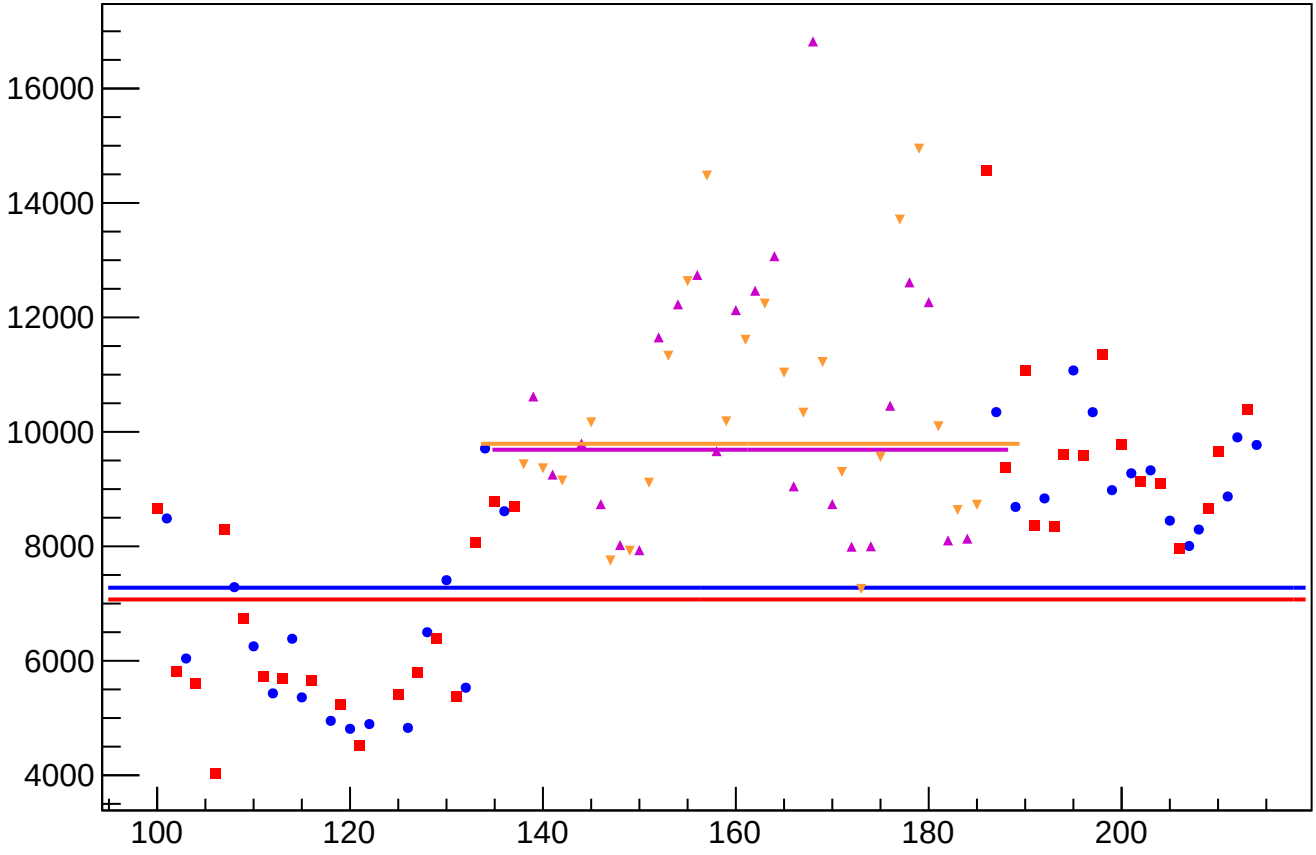
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -370.008+/-1404.368 χ^2/NDF: 63.8/53

All: 55.454+/-980.809 χ^2/NDF: 127.9/109

- sign 460.585+/-1370.401 χ^2/NDF: 63.9/55

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7277.084+/-1.246 χ^2/NDF: 2315308.0/29

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

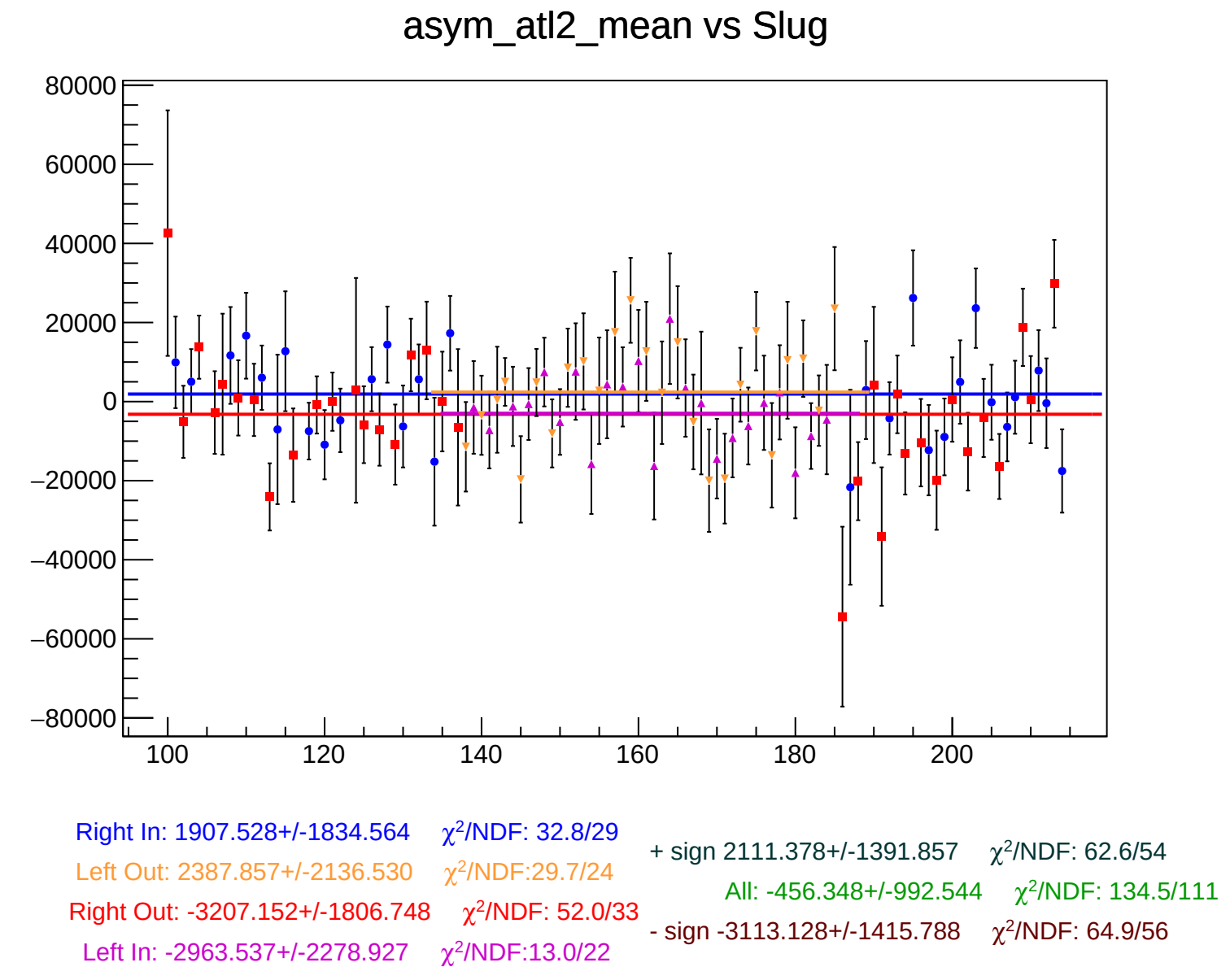
Right Out: 7071.604+/-1.202 χ^2/NDF: 2974572.0/32

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

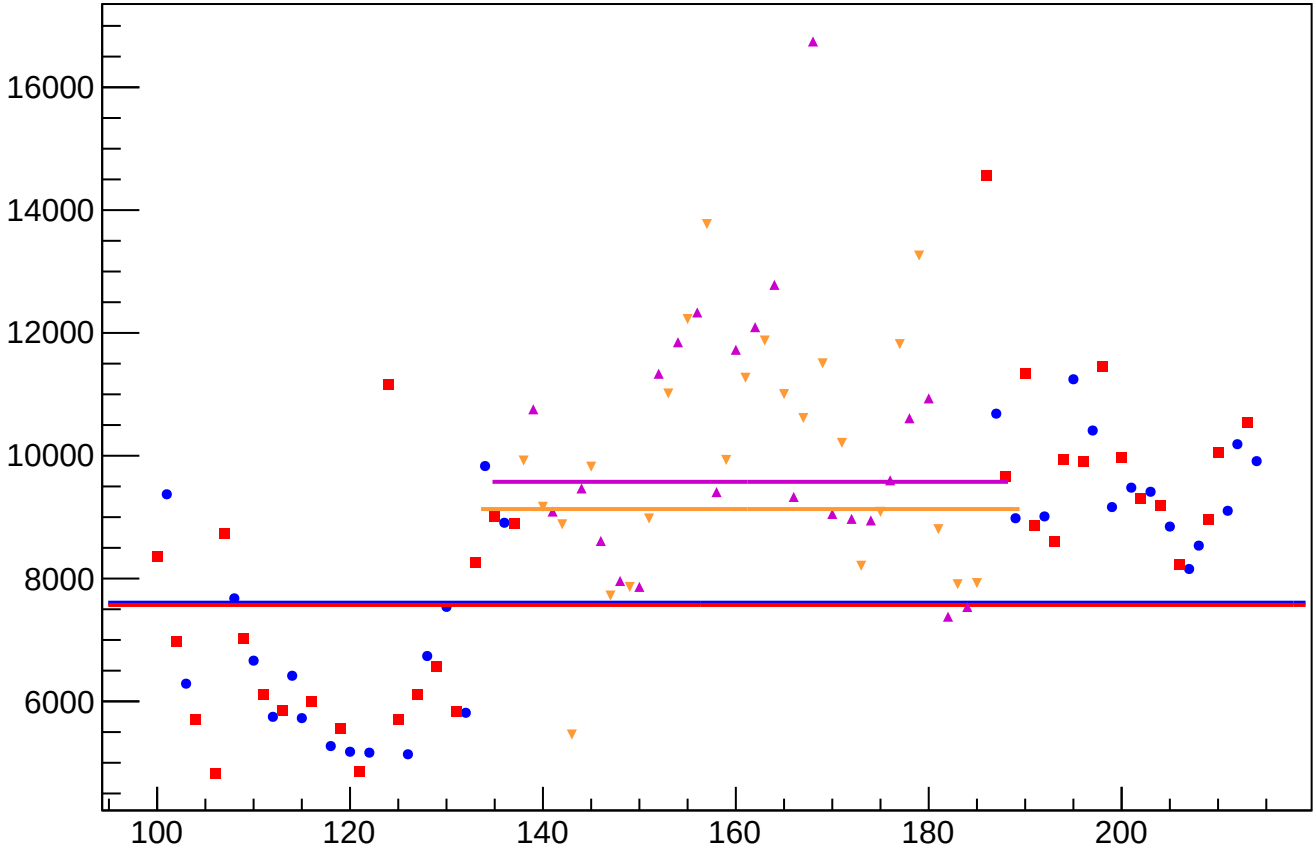
+ sign 8193.726+/-0.993 χ^2/NDF: 5020262.6/53

All: 8088.821+/-0.694 χ^2/NDF: 11054838.6/1

- sign 7988.930+/-0.969 χ^2/NDF: 6012789.6/55


asym_atl2_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: 1907.528+/-1834.564 χ²/NDF: 32.8/29
Left Out: 2387.857+/-2136.530 χ²/NDF:29.7/24
Right Out: -3207.152+/-1806.748 χ²/NDF: 52.0/33
Left In: -2963.537+/-2278.927 χ²/NDF:13.0/22
+ sign 2111.378+/-1391.857 χ²/NDF: 62.6/54
All: -456.348+/-992.544 χ²/NDF: 134.5/111
- sign -3113.128+/-1415.788 χ²/NDF: 64.9/56

asym_atl2_rms vs Slug



Right In: 7606.836+/-1.297 χ^2/NDF: 2054658.9/29

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7570.332+/-1.278 χ^2/NDF: 2437604.3/33

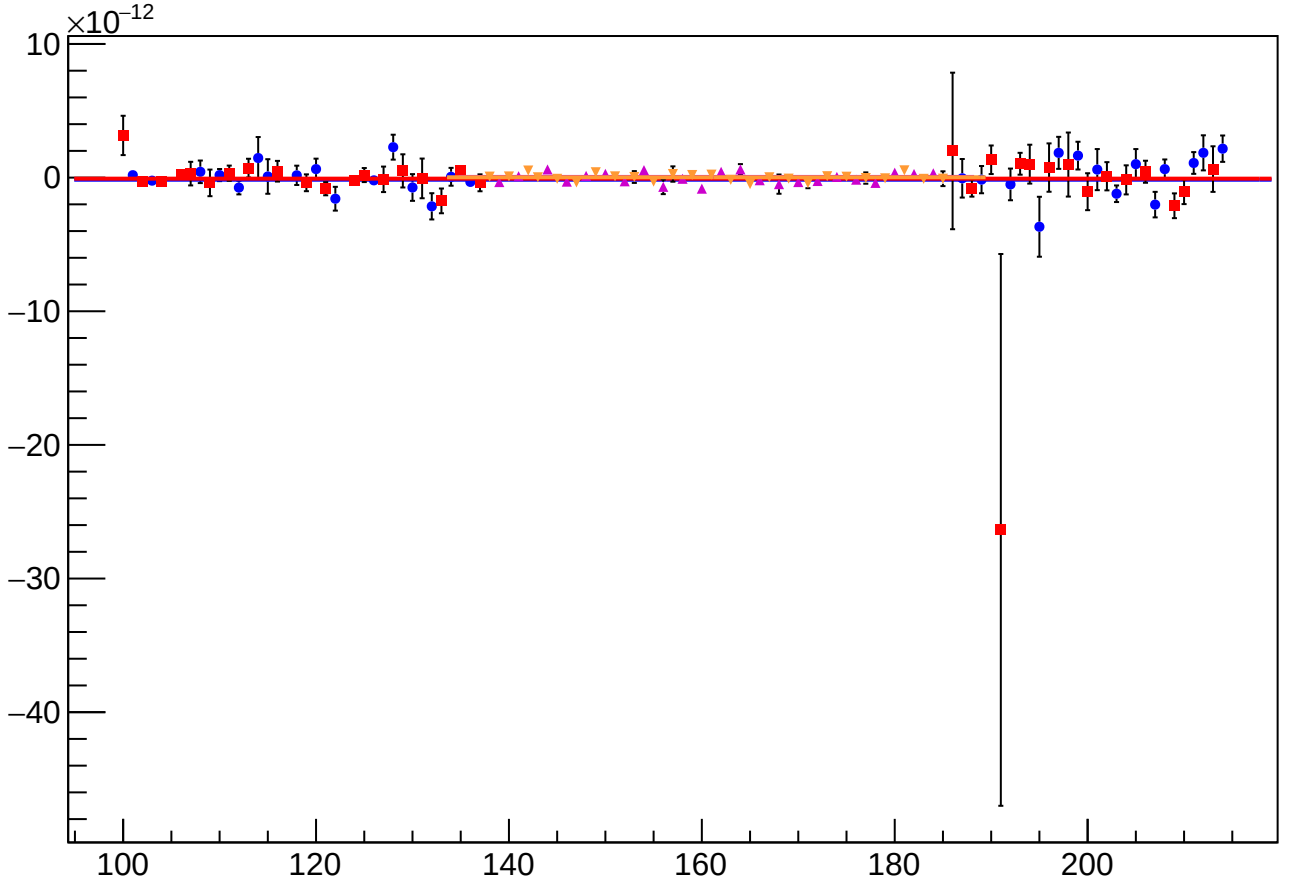
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

\+ sign 8253.988+/-0.984 χ^2/NDF: 4452736.5/54

All: 8298.291+/-0.702 χ^2/NDF: 8998775.6/11

\- sign 8344.130+/-1.001 χ^2/NDF: 4541916.2/56

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 49.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

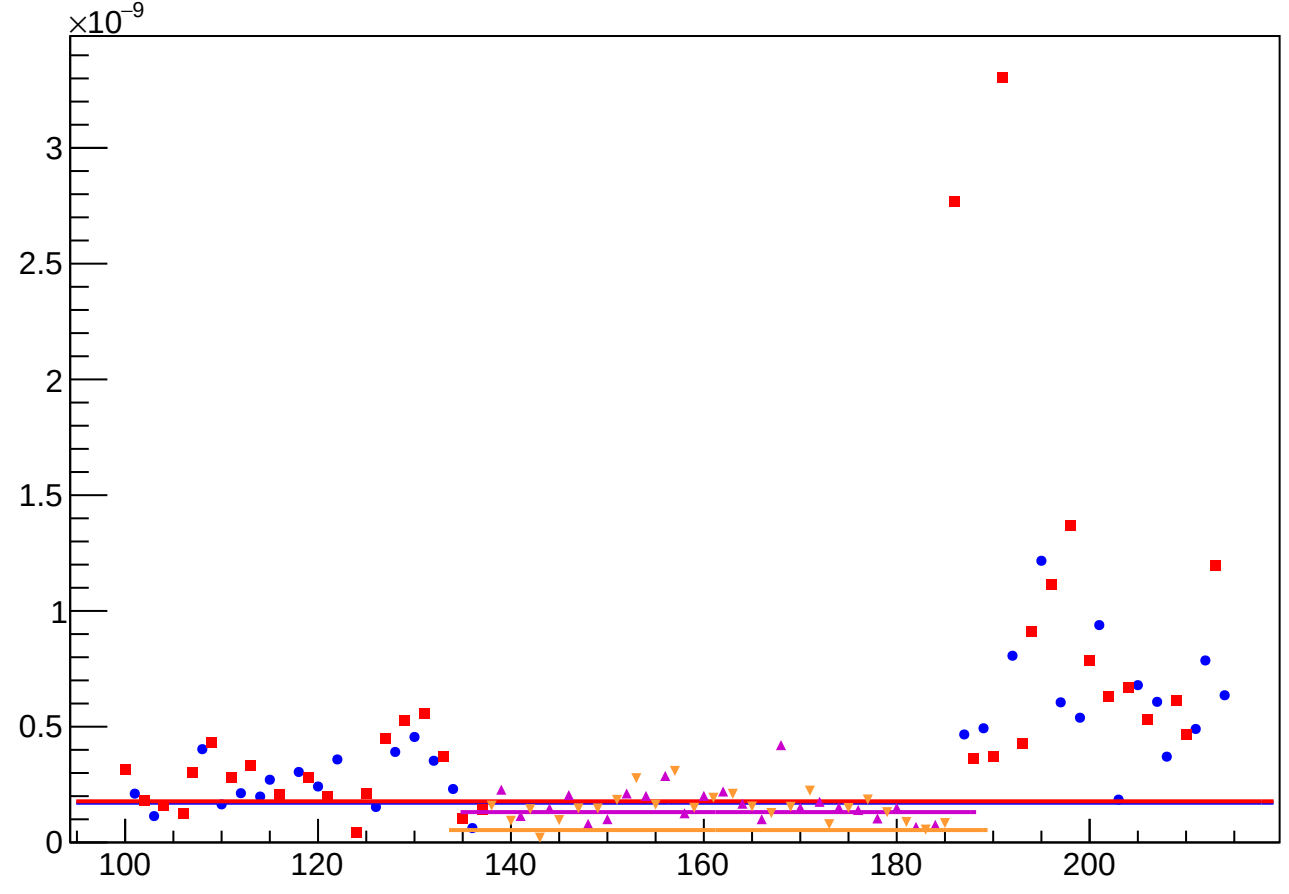
Right Out: -0.000+/-0.000 χ^2/NDF: 35.5/33

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/54

All: 0.000+/-0.000 χ^2/NDF: 144.3/111

- sign 0.000+/-0.000 χ^2/NDF: 73.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 6581396.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8003646.9/33

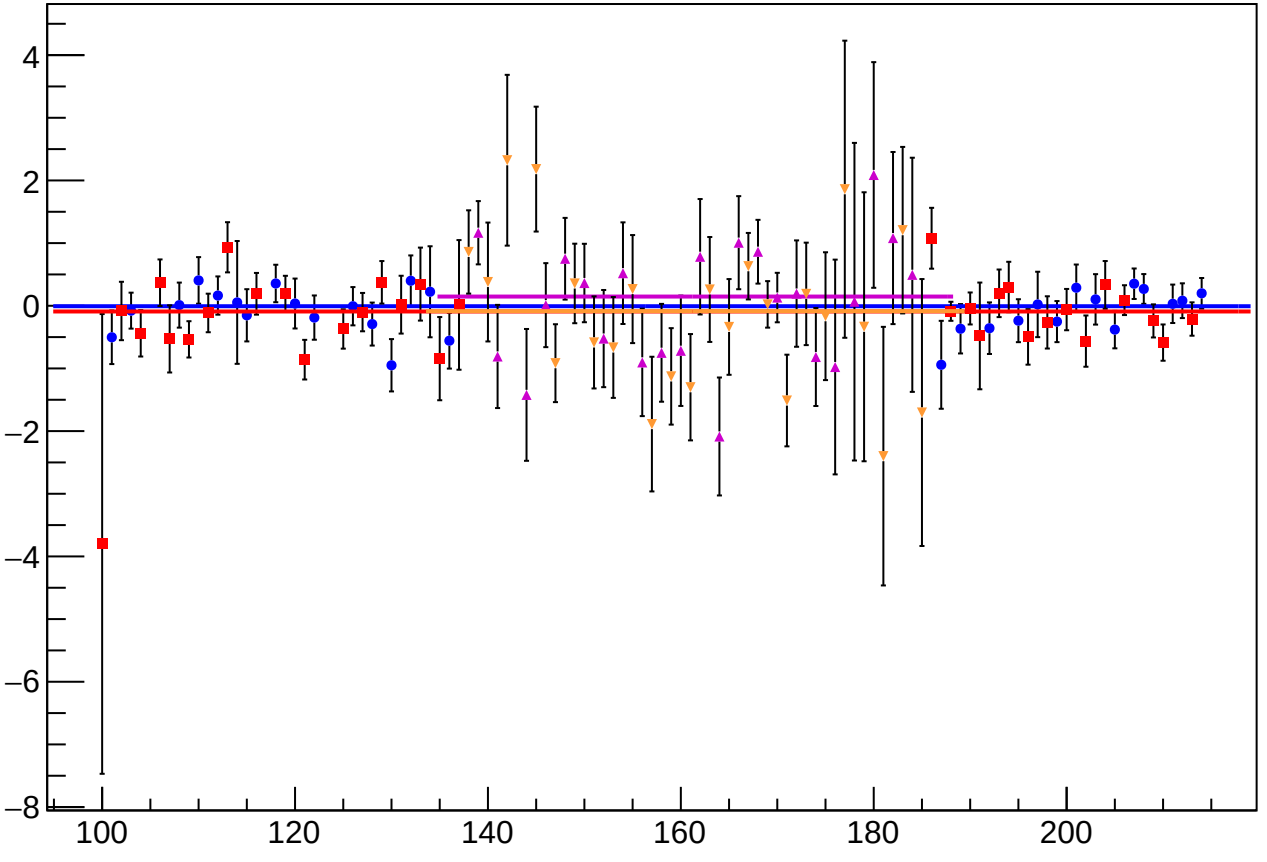
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16947382.6/54

All: 0.000+/-0.000 χ^2/NDF: 31364002.6/111

- sign 0.000+/-0.000 χ^2/NDF: 10294767.3/56

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.063 χ^2/NDF: 24.2/29

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.091+/-0.059 χ^2/NDF: 40.5/32

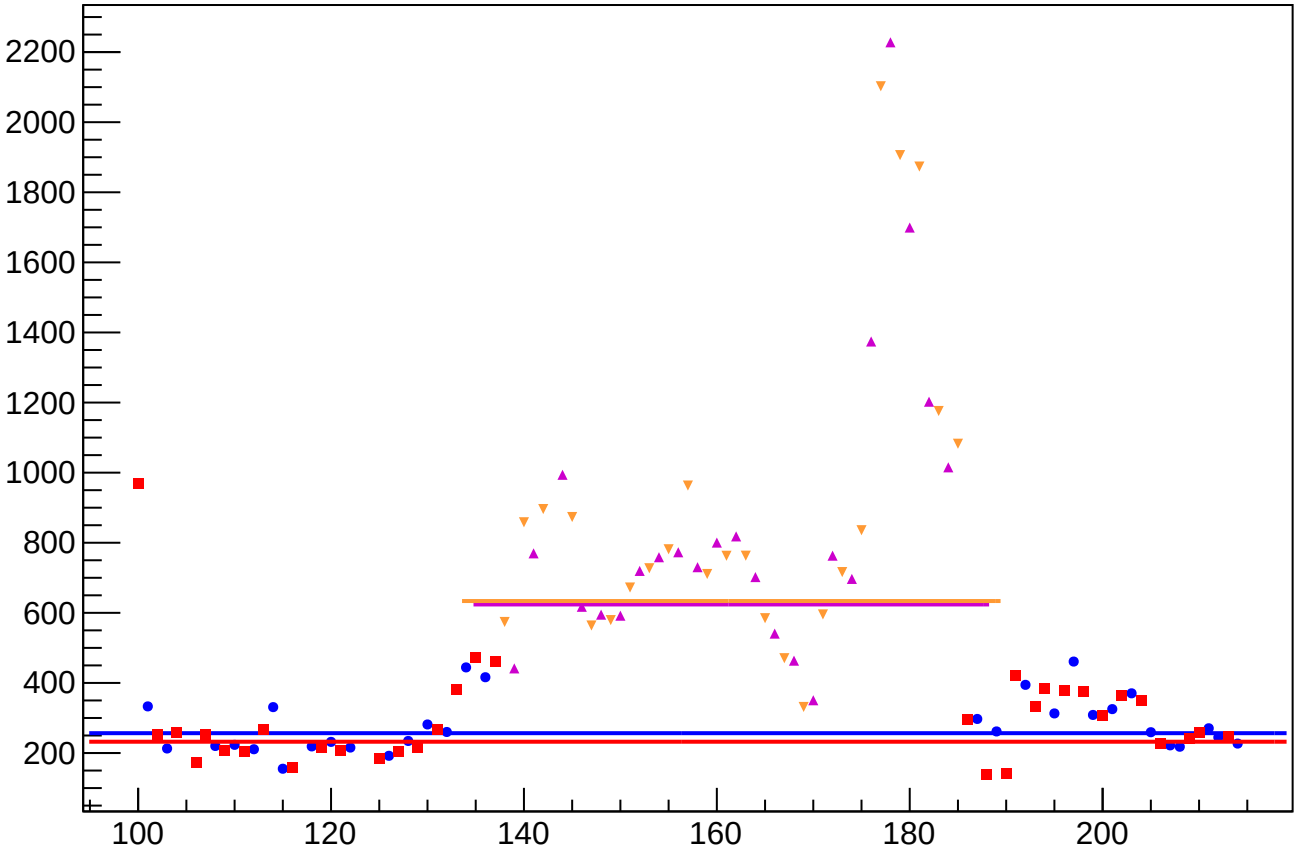
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.018+/-0.059 χ^2/NDF: 54.7/53

All: -0.042+/-0.040 χ^2/NDF: 123.9/109

- sign -0.062+/-0.055 χ^2/NDF: 68.9/55

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 256.637+/-0.045 χ^2/NDF: 1887409.4/29

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 232.241+/-0.041 χ^2/NDF: 3438161.2/32

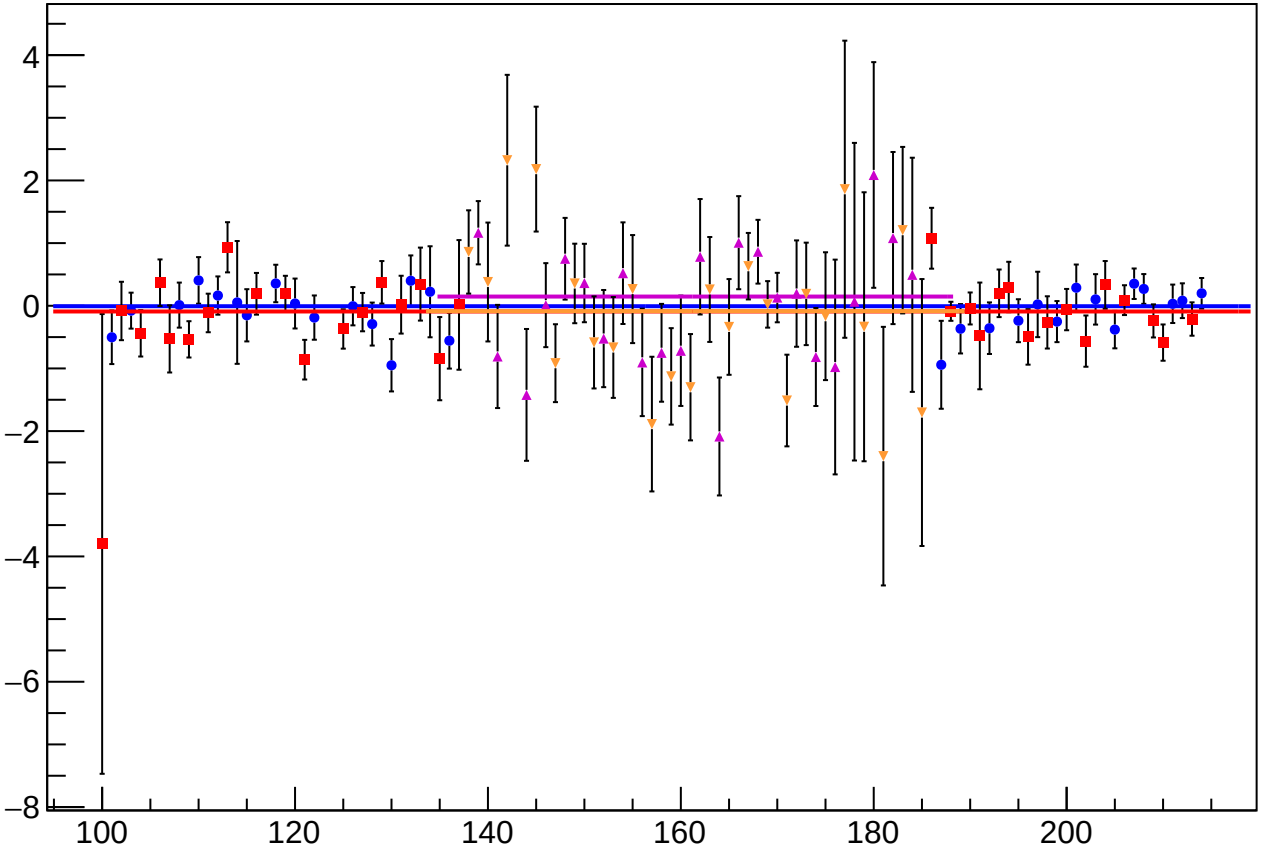
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 306.939+/-0.042 χ^2/NDF: 16335907.8/53

All: 292.200+/-0.028 χ^2/NDF: 35329989.4/10

- sign 279.418+/-0.039 χ^2/NDF: 18760750.9/55

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.007+/-0.063 χ^2/NDF: 24.2/29

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.091+/-0.059 χ^2/NDF: 40.5/32

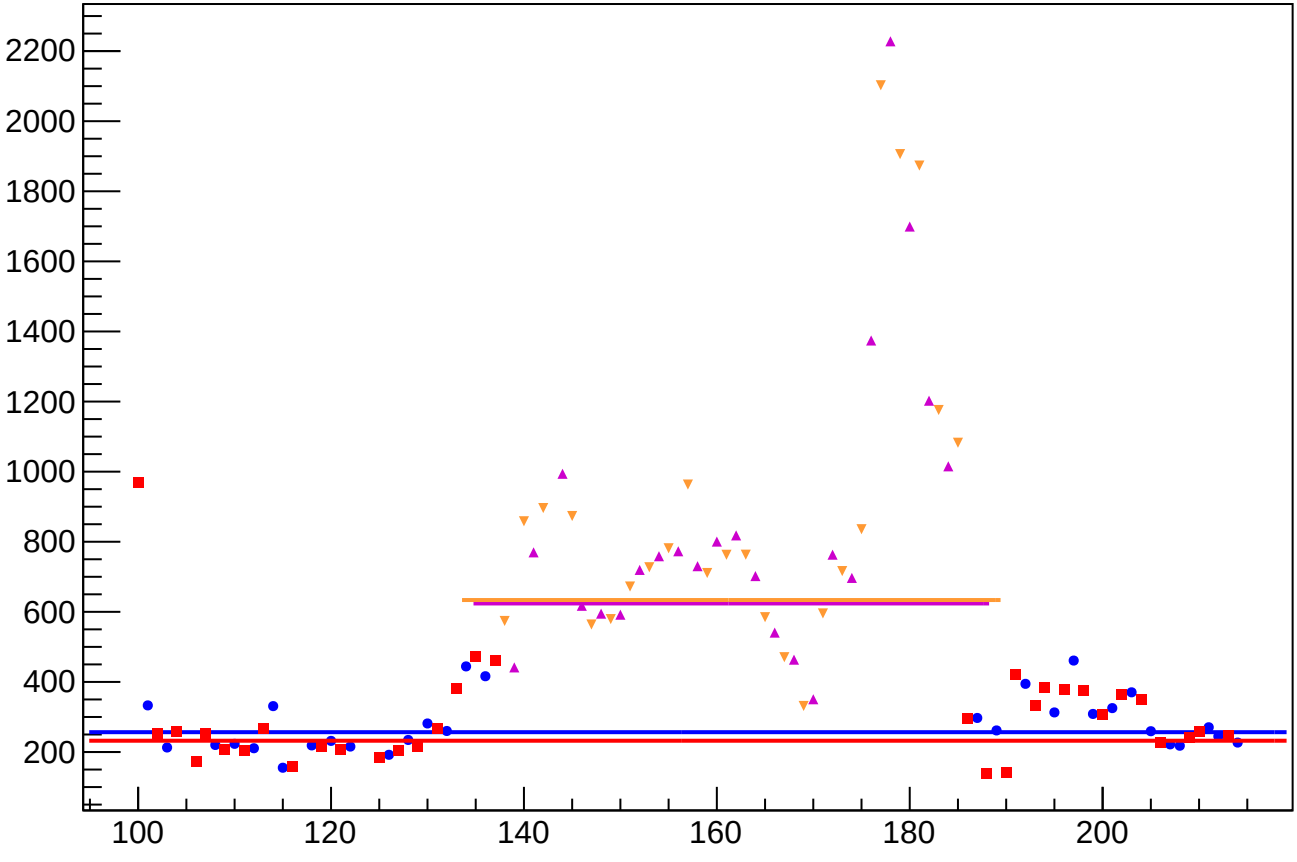
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

\+ sign -0.018+/-0.059 χ^2/NDF: 54.7/53

All: -0.042+/-0.040 χ^2/NDF: 123.9/109

\- sign -0.062+/-0.055 χ^2/NDF: 68.9/55

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 256.637+/-0.045 χ^2/NDF: 1887409.4/29

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 232.241+/-0.041 χ^2/NDF: 3438161.2/32

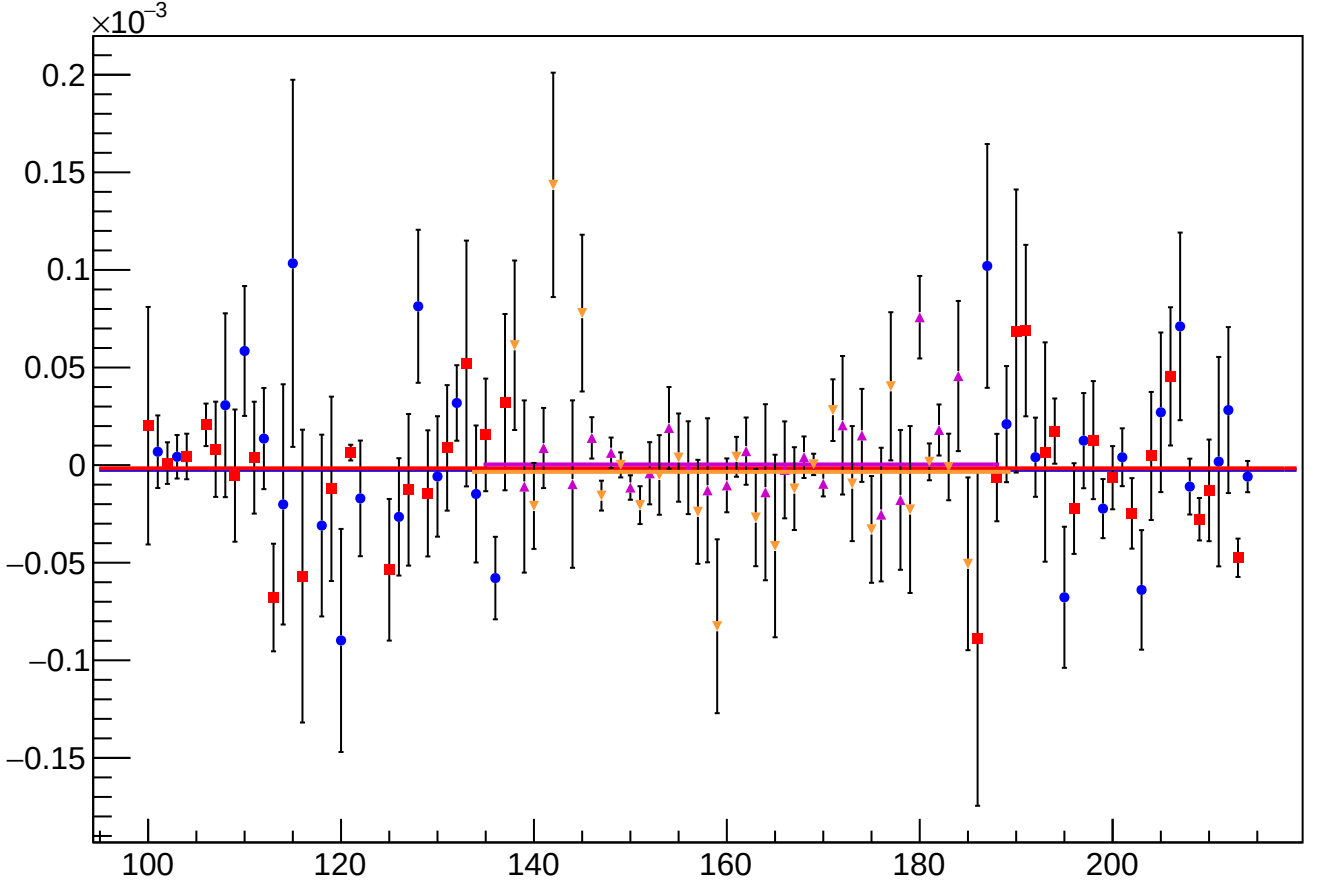
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 306.939+/-0.042 χ^2/NDF: 16335907.8/53

All: 292.200+/-0.028 χ^2/NDF: 35329989.4/10

- sign 279.418+/-0.039 χ^2/NDF: 18760750.9/55

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.4/32

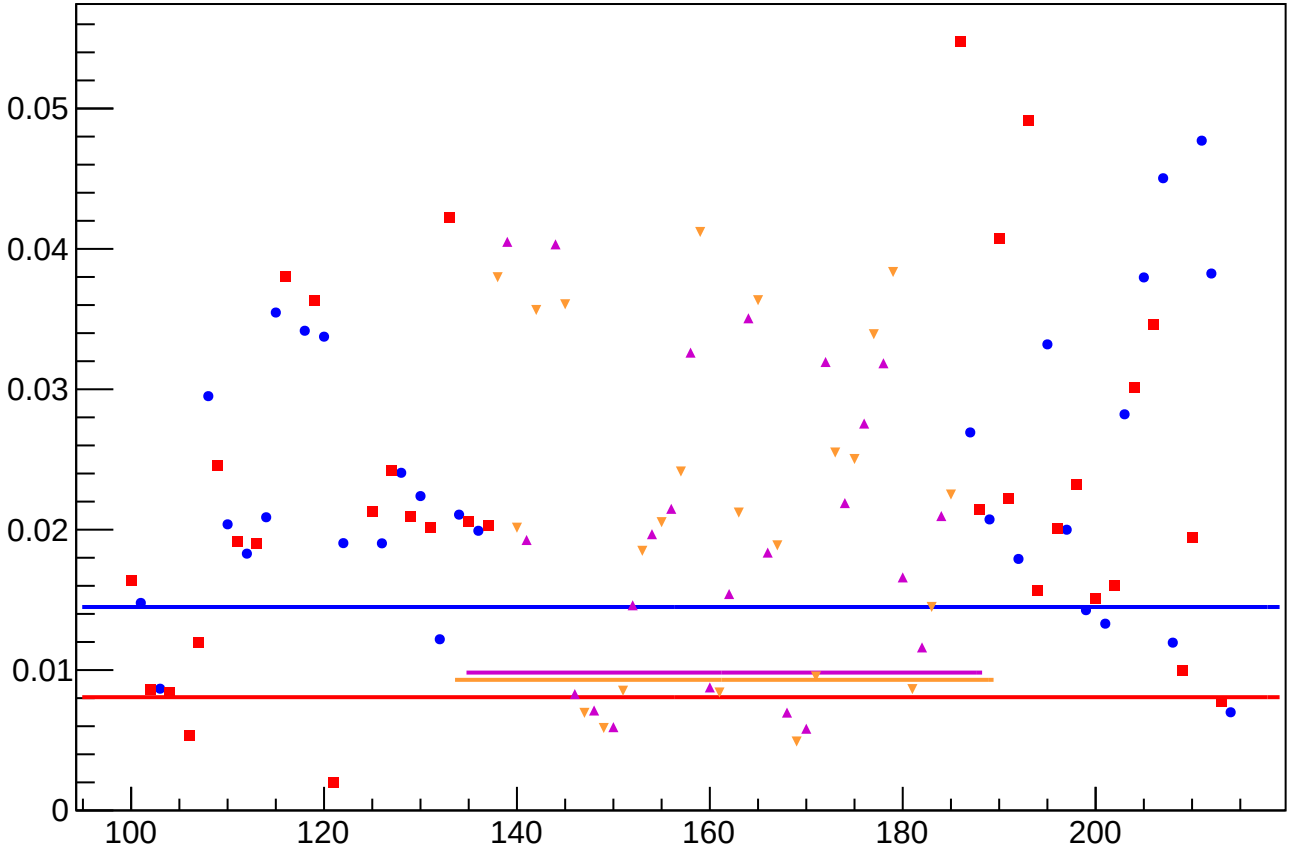
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.8/53

All: -0.000+/-0.000 χ^2/NDF: 162.1/109

- sign -0.000+/-0.000 χ^2/NDF: 85.6/55

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 8083563.1/29

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16888451.6/32

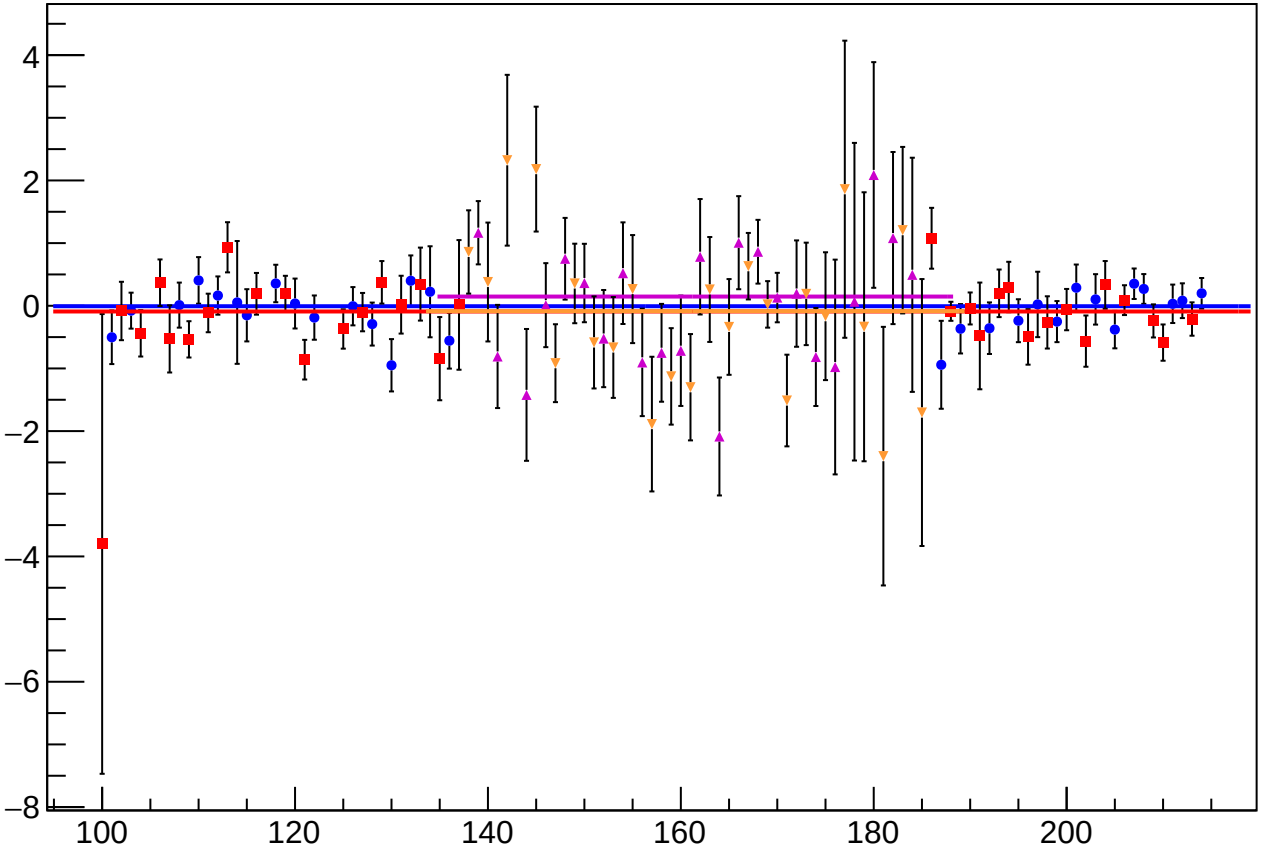
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 22608984.8/53

All: 0.010+/-0.000 χ^2/NDF: 51170488.1/109

- sign 0.009+/-0.000 χ^2/NDF: 27586257.6/55

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.063 χ^2/NDF: 24.2/29

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.091+/-0.059 χ^2/NDF: 40.5/32

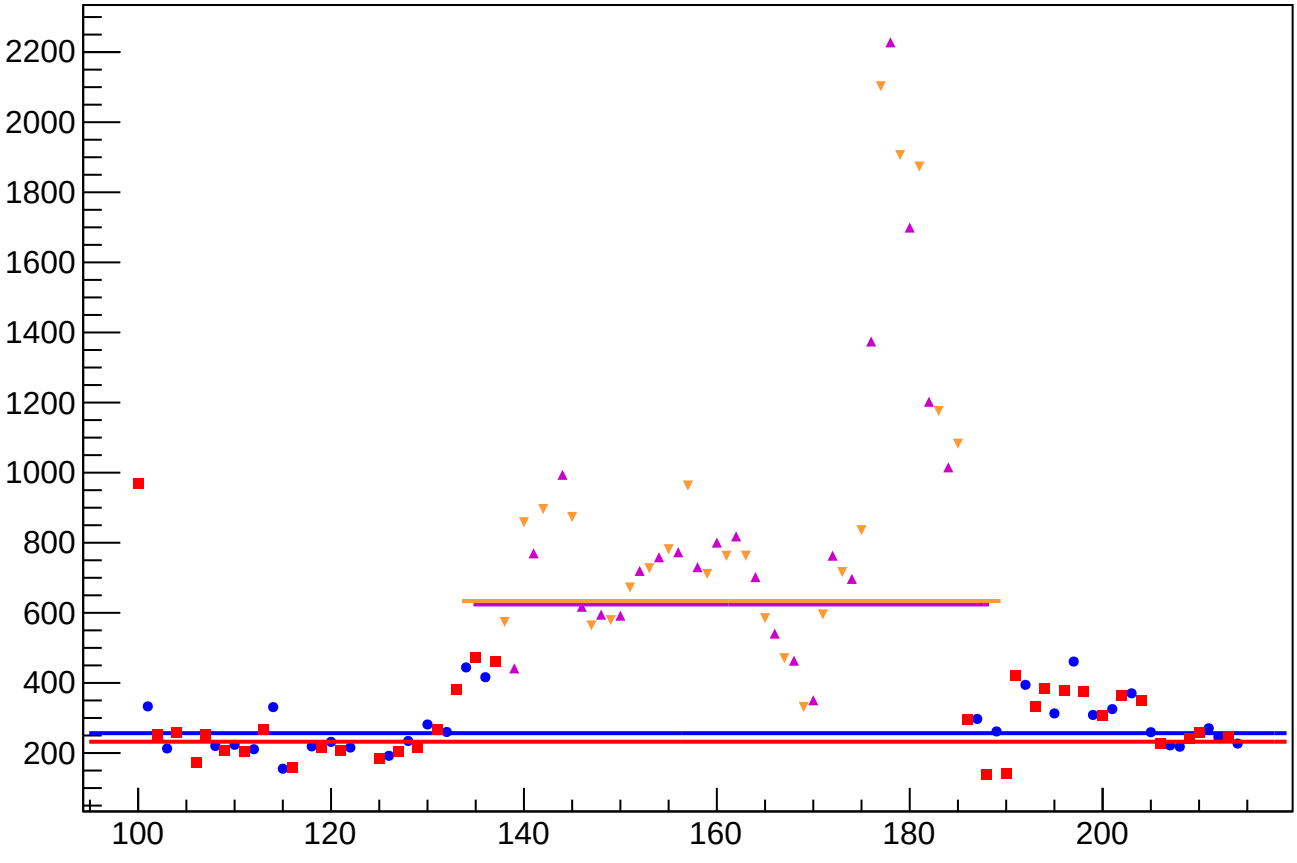
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.018+/-0.059 χ^2/NDF: 54.7/53

All: -0.042+/-0.040 χ^2/NDF: 123.9/109

- sign -0.062+/-0.055 χ^2/NDF: 68.9/55

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 256.638+/-0.045 χ^2/NDF: 1887396.4/29

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

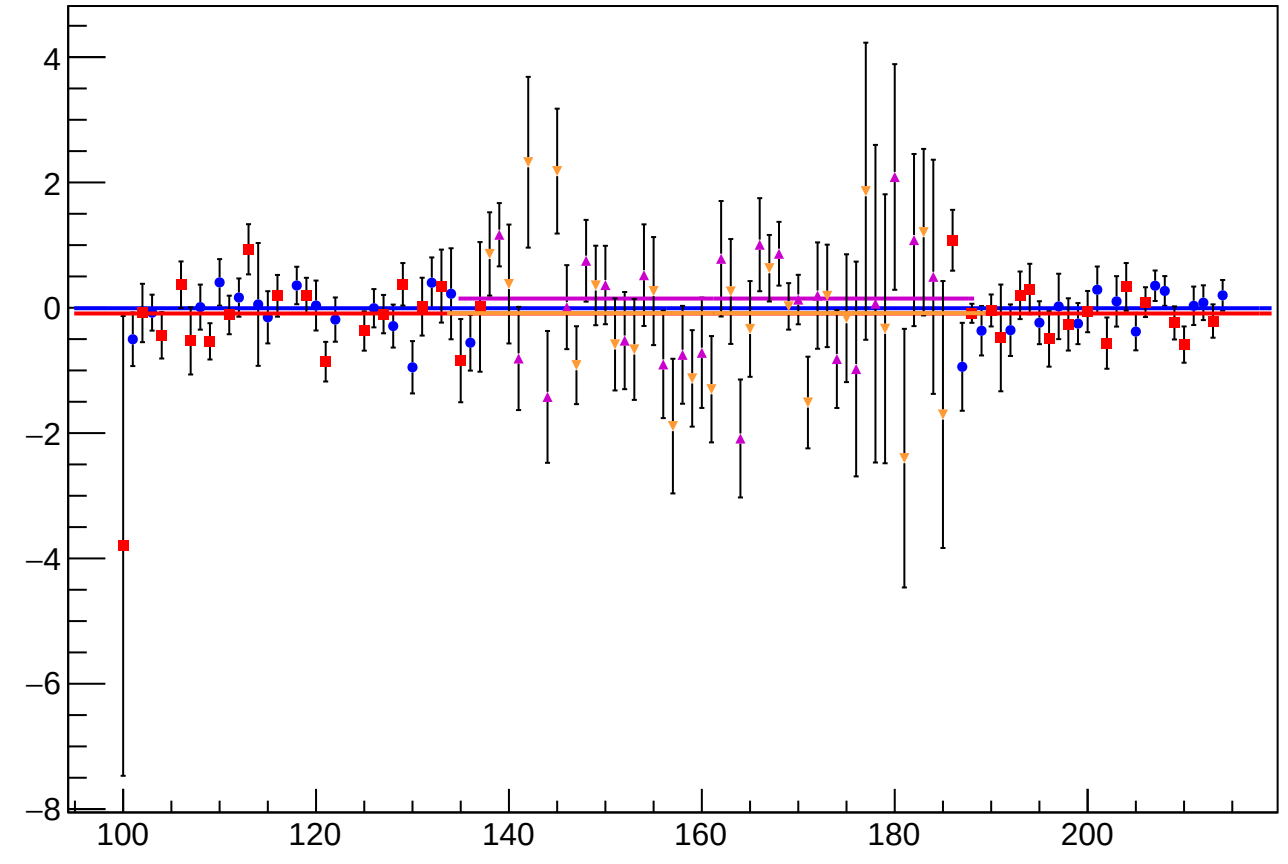
Right Out: 232.239+/-0.041 χ^2/NDF: 3438310.1/32

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 306.940+/-0.042 χ^2/NDF: 16335985.2/53

All: 292.199+/-0.028 χ^2/NDF: 35330549.8/10

- sign 279.416+/-0.039 χ^2/NDF: 18761175.0/55



Right In: -0.007+/-0.063 χ^2/NDF: 24.2/29

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

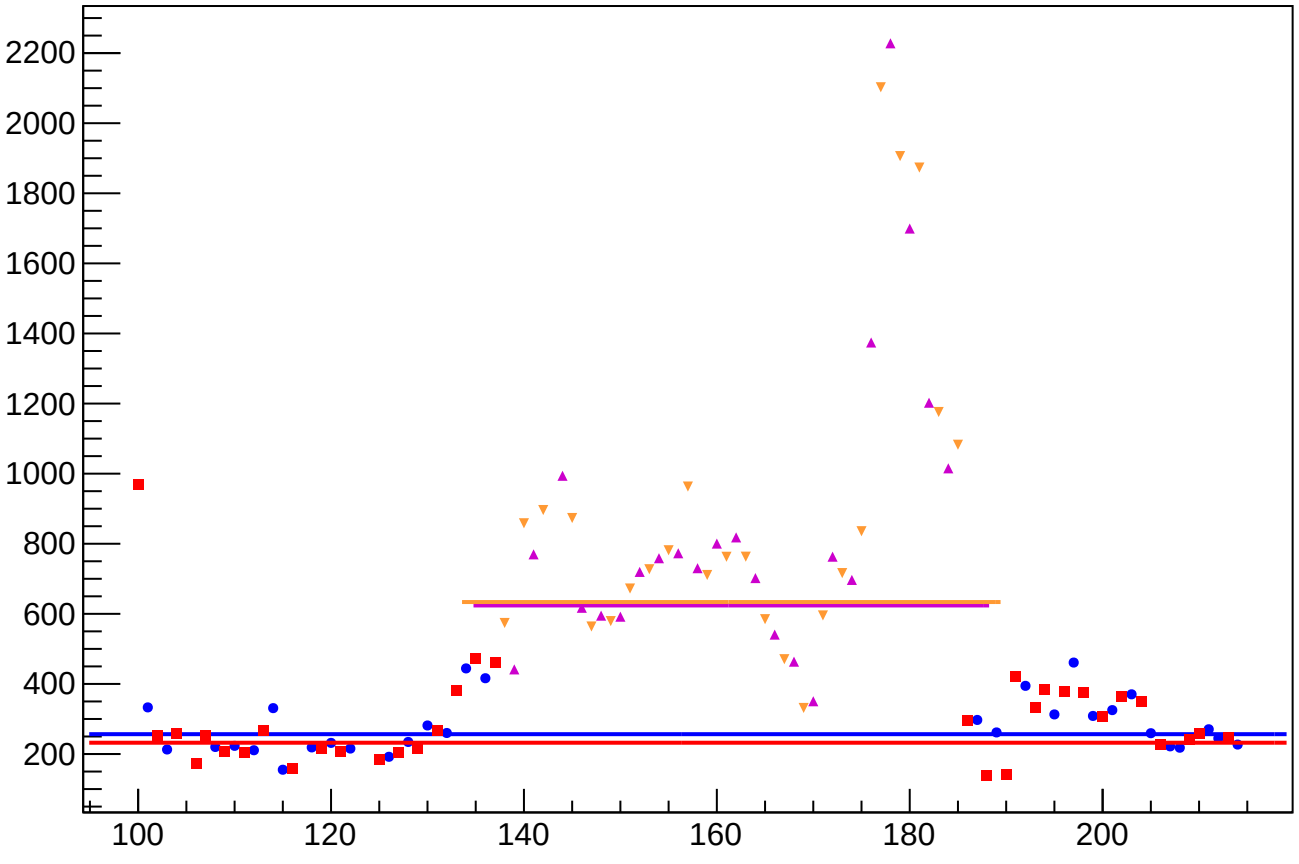
Right Out: -0.091+/-0.059 χ^2/NDF: 40.5/32

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

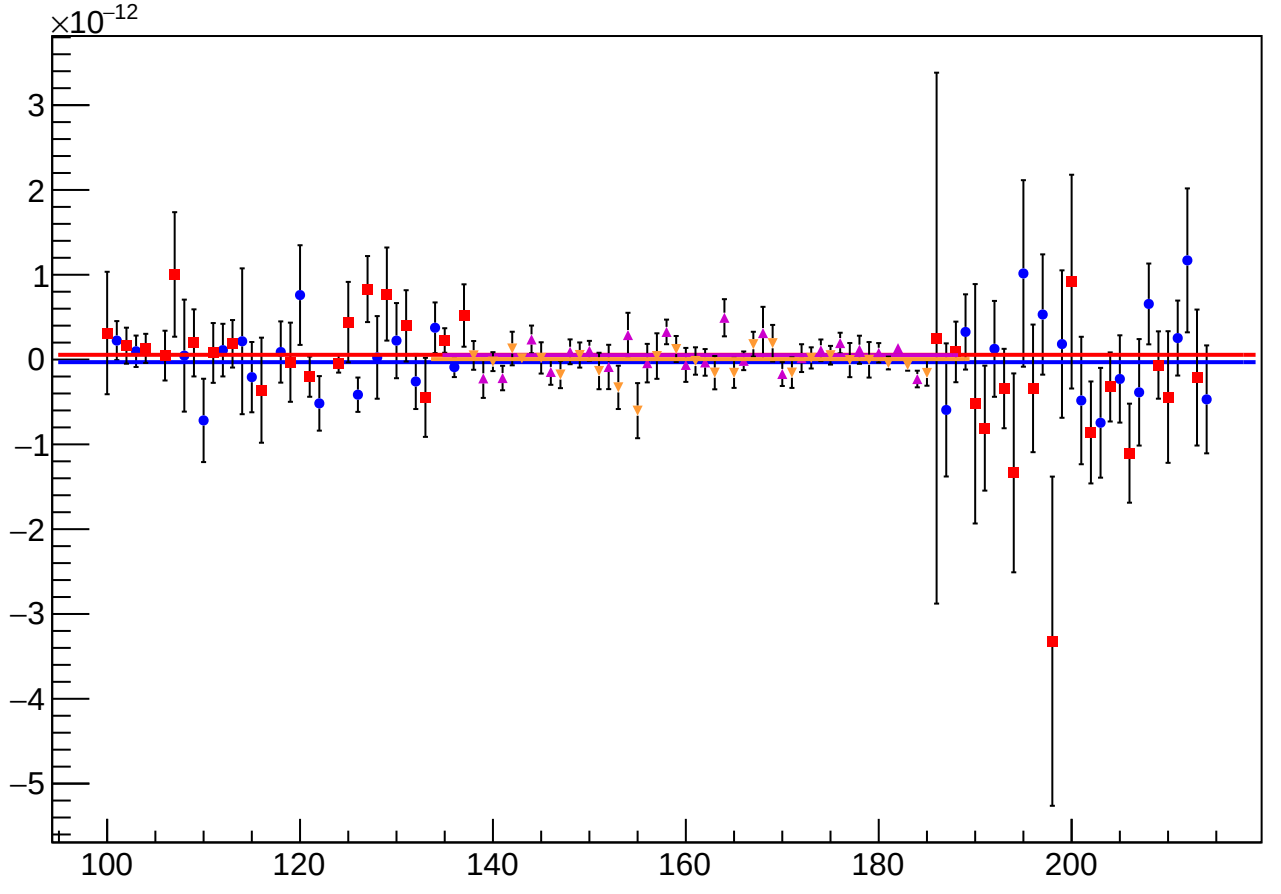
\+ sign -0.018+/-0.059 χ^2/NDF: 54.7/53

All: -0.042+/-0.040 χ^2/NDF: 123.9/109

\- sign -0.062+/-0.055 χ^2/NDF: 68.9/55


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 256.638+/-0.045 χ²/NDF: 1887396.4/29
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 232.239+/-0.041 χ²/NDF: 3438310.1/32
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
+ sign 306.940+/-0.042 χ²/NDF: 16335985.2/53
All: 292.199+/-0.028 χ²/NDF: 35330549.8/10
- sign 279.416+/-0.039 χ²/NDF: 18761175.0/55

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

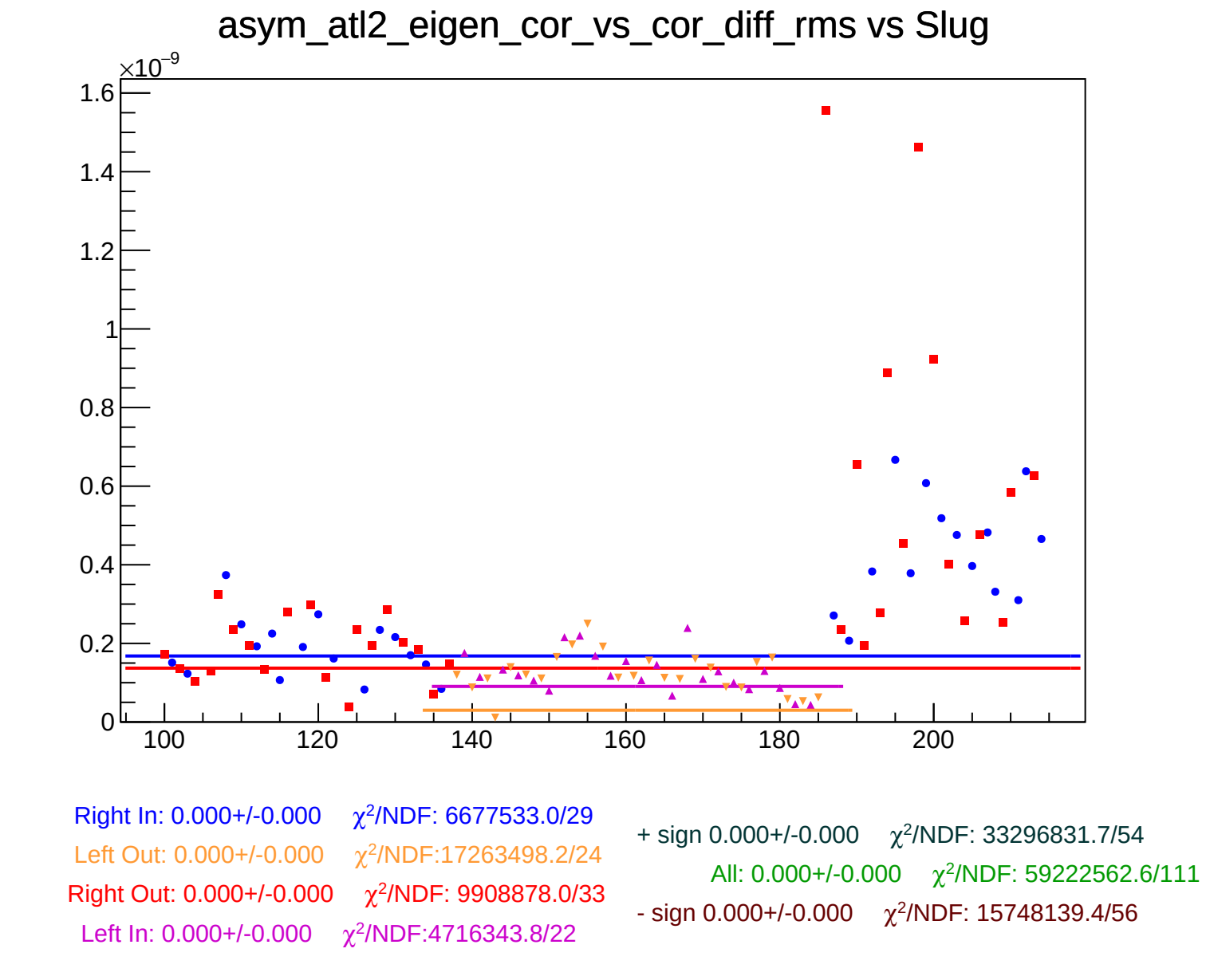
Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/33

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

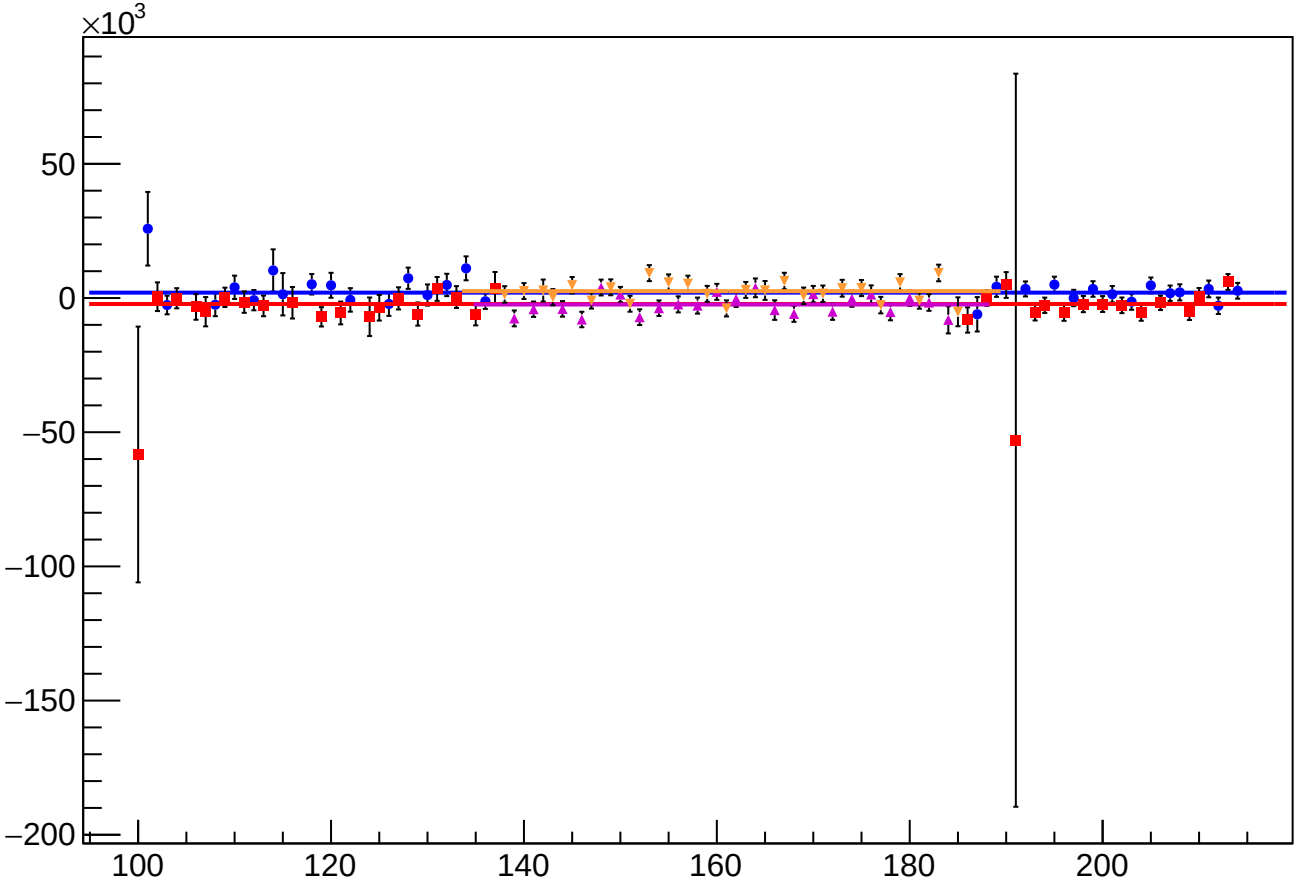
+ sign 0.000+/-0.000 χ^2/NDF: 40.9/54

All: 0.000+/-0.000 χ^2/NDF: 108.6/111

- sign 0.000+/-0.000 χ^2/NDF: 64.8/56


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
Right In: 0.000+/-0.000 χ²/NDF: 6677533.0/29
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9908878.0/33
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 33296831.7/54
All: 0.000+/-0.000 χ²/NDF: 59222562.6/111
- sign 0.000+/-0.000 χ²/NDF: 15748139.4/56

reg_asym_atr1_mean vs Slug



Right In: 2010.389+/-655.654 χ^2/NDF: 26.6/29

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2222.335+/-646.692 χ^2/NDF: 28.3/33

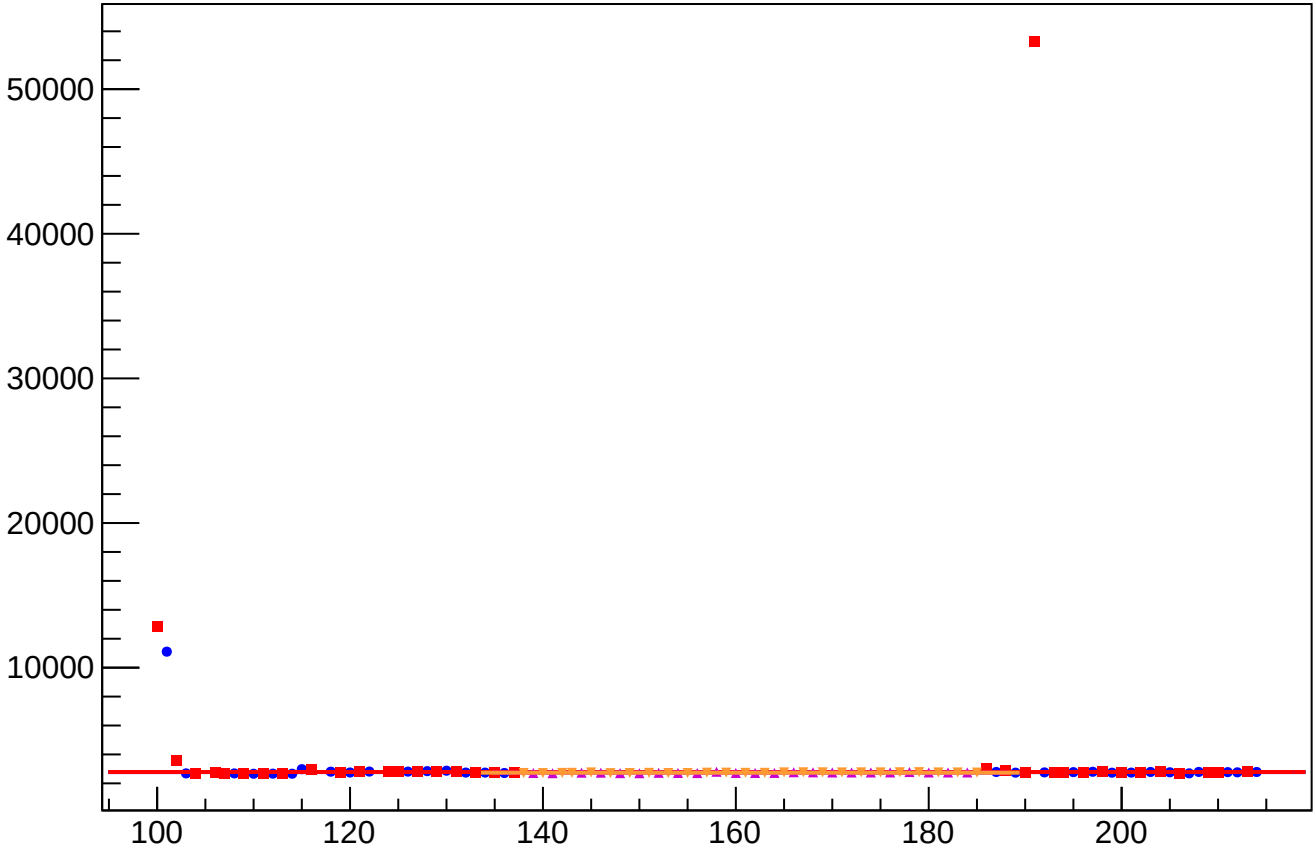
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2298.066+/-451.184 χ^2/NDF: 58.6/54

All: 9.270+/-320.305 χ^2/NDF: 170.1/111

- sign -2316.334+/-454.797 χ^2/NDF: 59.7/56

reg_asym_atr1_rms vs Slug



Right In: 2779.034+/-0.464 χ^2/NDF: 750528.5/29

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.178+/-0.457 χ^2/NDF: 481508.2/33

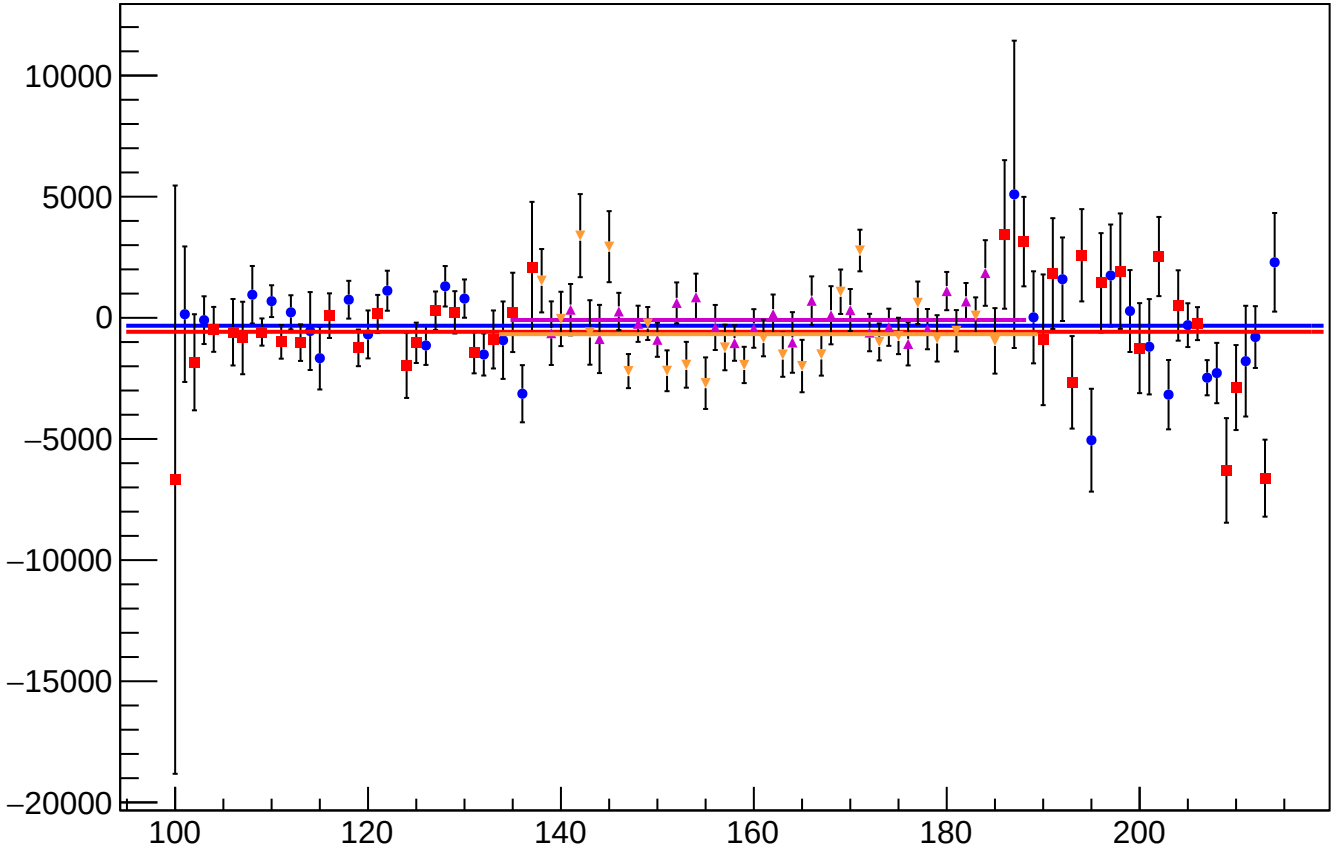
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.178+/-0.319 χ^2/NDF: 757067.4/54

All: 2759.951+/-0.226 χ^2/NDF: 1247274.6/11

- sign 2762.770+/-0.322 χ^2/NDF: 490054.8/56

asym_atr1_reg_correction_mean vs Slug



Right In: -326.474+/-198.655 χ^2/NDF: 50.5/29

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -576.695+/-191.147 χ^2/NDF: 50.0/33

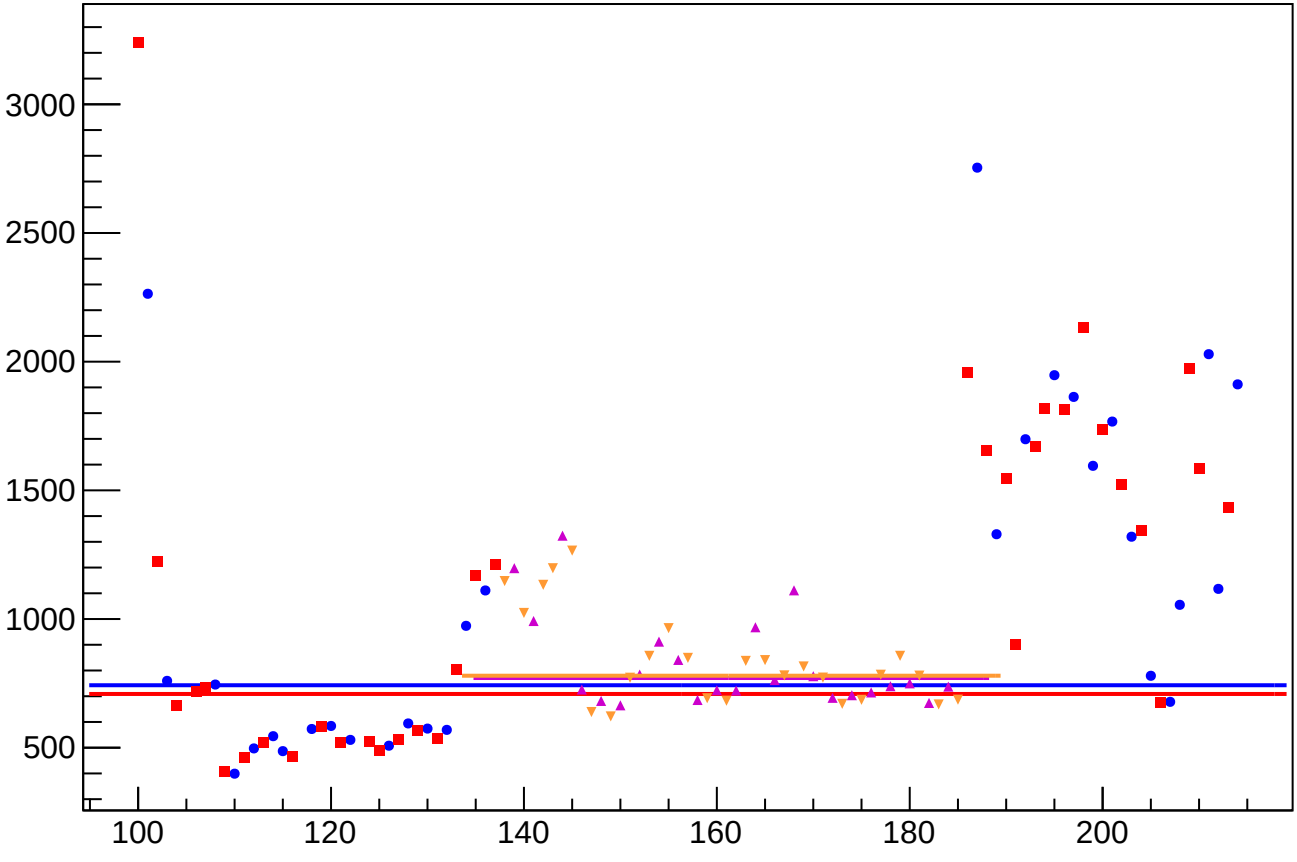
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -515.976+/-133.887 χ^2/NDF: 110.6/54

All: -418.469+/-94.132 χ^2/NDF: 179.8/111

- sign -323.155+/-132.372 χ^2/NDF: 68.2/56

asym_atr1_reg_correction_rms vs Slug



Right In: 742.716+/-0.140 χ^2/NDF: 7616906.4/29

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 708.797+/-0.135 χ^2/NDF: 8780372.2/33

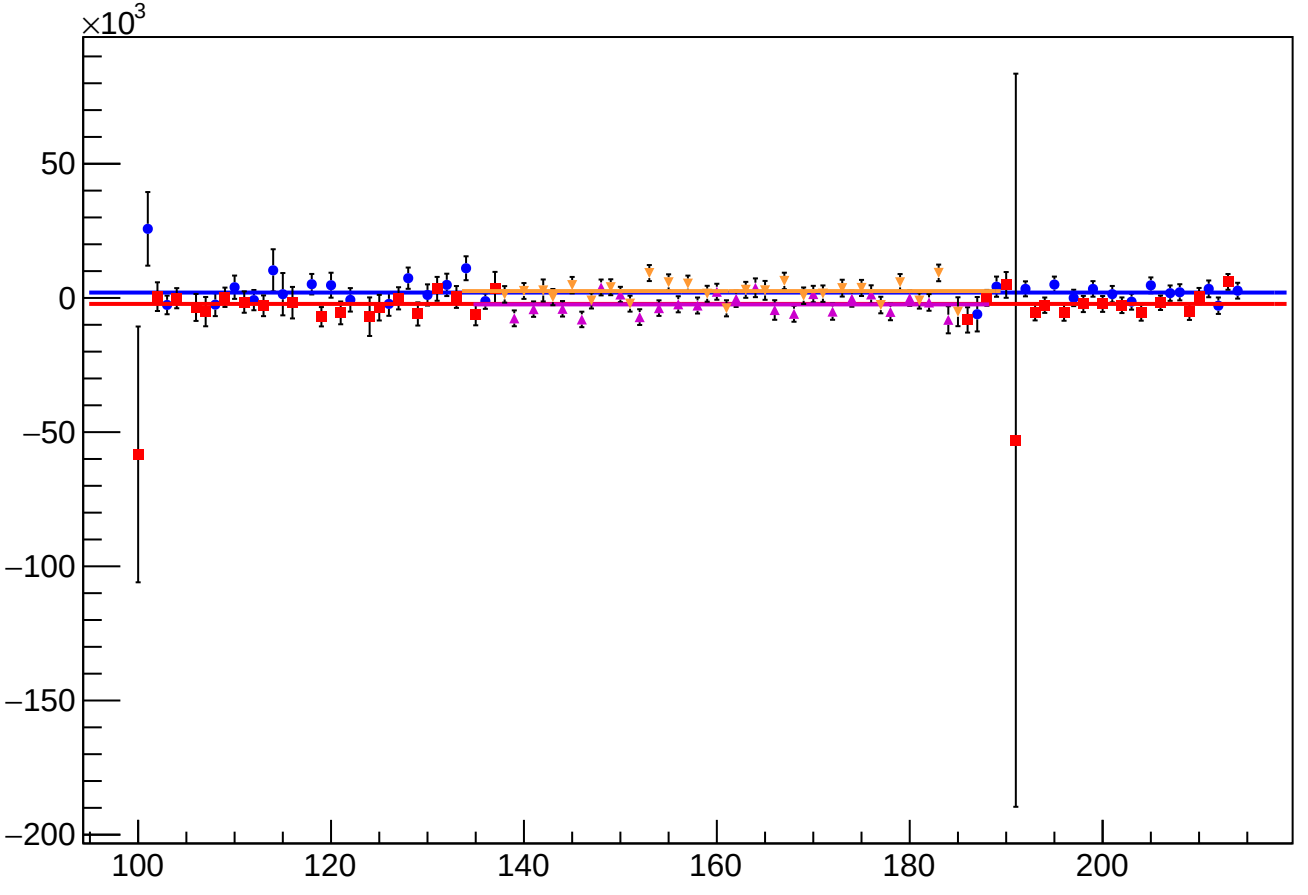
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 762.909+/-0.095 χ^2/NDF: 8898513.5/54

All: 751.861+/-0.067 χ^2/NDF: 18891669.1/11

- sign 741.062+/-0.094 χ^2/NDF: 9966226.8/56

cor_asym_atr1_mean vs Slug



Right In: 2010.052+/-655.655 χ^2/NDF: 26.6/29

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2224.295+/-647.271 χ^2/NDF: 28.3/33

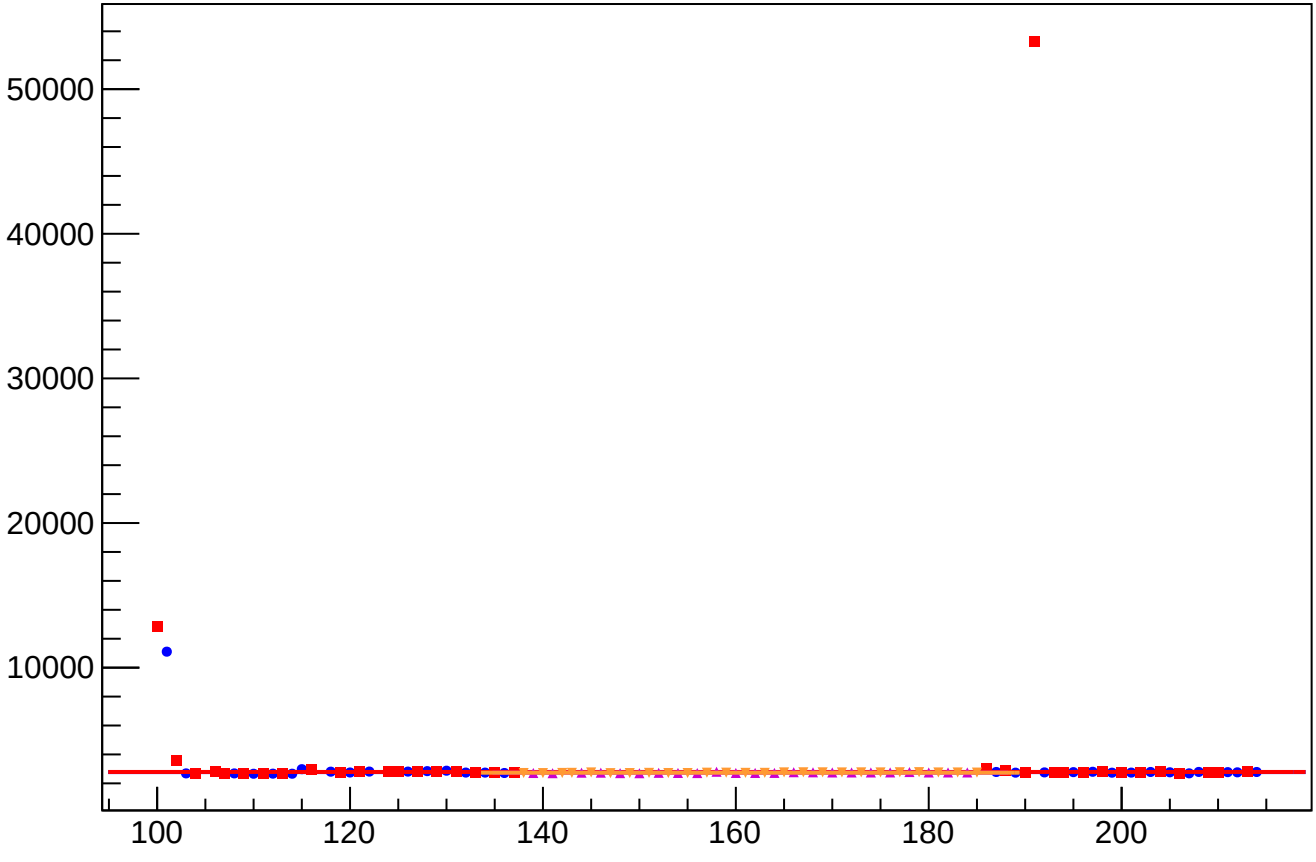
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2297.886+/-451.184 χ^2/NDF: 58.5/54

All: 9.644+/-320.375 χ^2/NDF: 170.1/111

- sign -2317.458+/-454.999 χ^2/NDF: 59.7/56

cor_asym_atr1_rms vs Slug



Right In: 2779.034+/-0.464 χ^2/NDF: 750527.6/29

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.249+/-0.458 χ^2/NDF: 481338.9/33

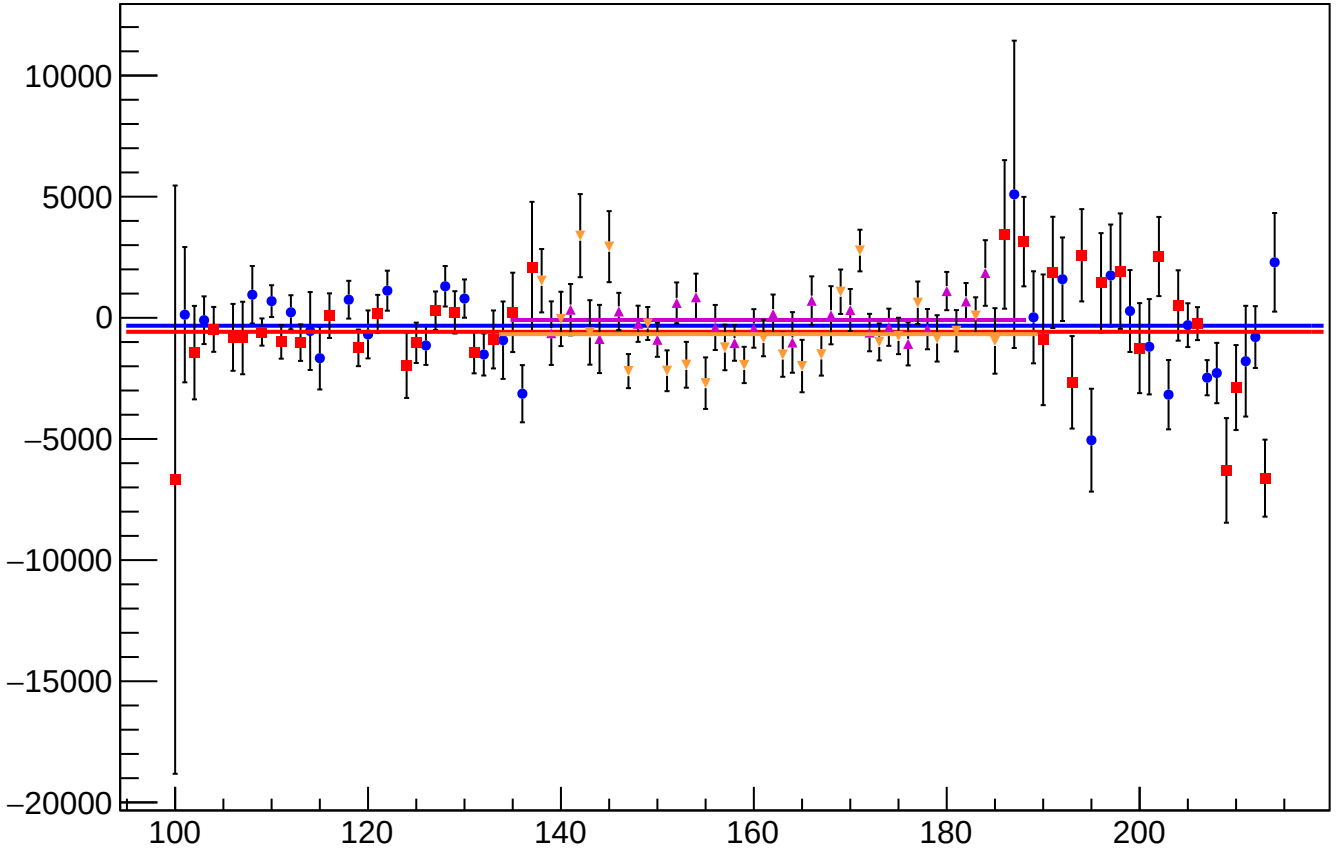
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.178+/-0.319 χ^2/NDF: 757066.5/54

All: 2760.447+/-0.227 χ^2/NDF: 1247632.8/11

- sign 2763.772+/-0.322 χ^2/NDF: 490354.4/56

asym_atr1_cor_correction_mean vs Slug



Right In: -326.469+/-198.648 χ^2/NDF: 50.5/29

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -577.413+/-191.121 χ^2/NDF: 49.9/33

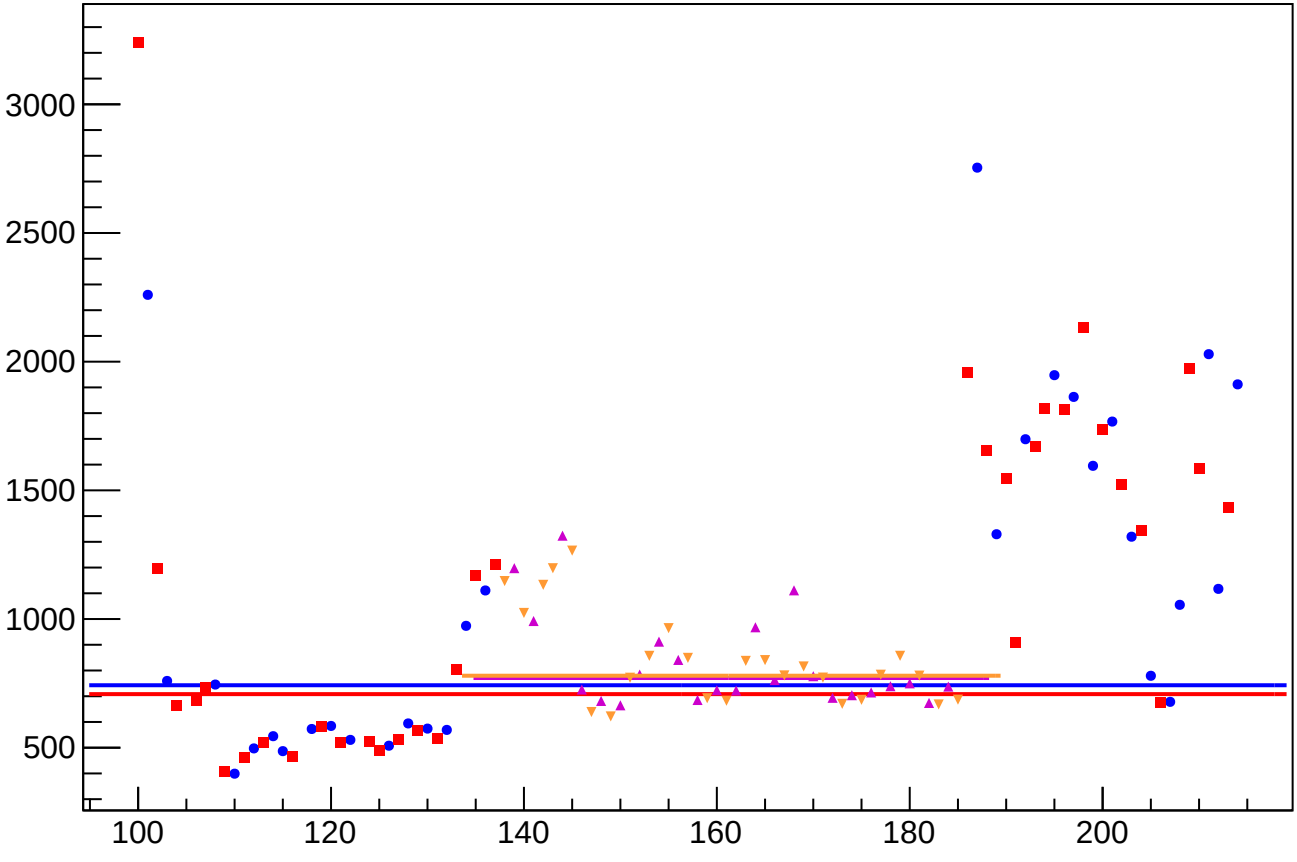
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

\+ sign -515.922+/-133.884 χ^2/NDF: 110.6/54

All: -418.662+/-94.128 χ^2/NDF: 179.6/111

\- sign -323.599+/-132.363 χ^2/NDF: 68.0/56

asym_atr1_cor_correction_rms vs Slug



Right In: 742.703+/-0.140 χ^2/NDF: 7616074.7/29

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF: 8776440.9/33

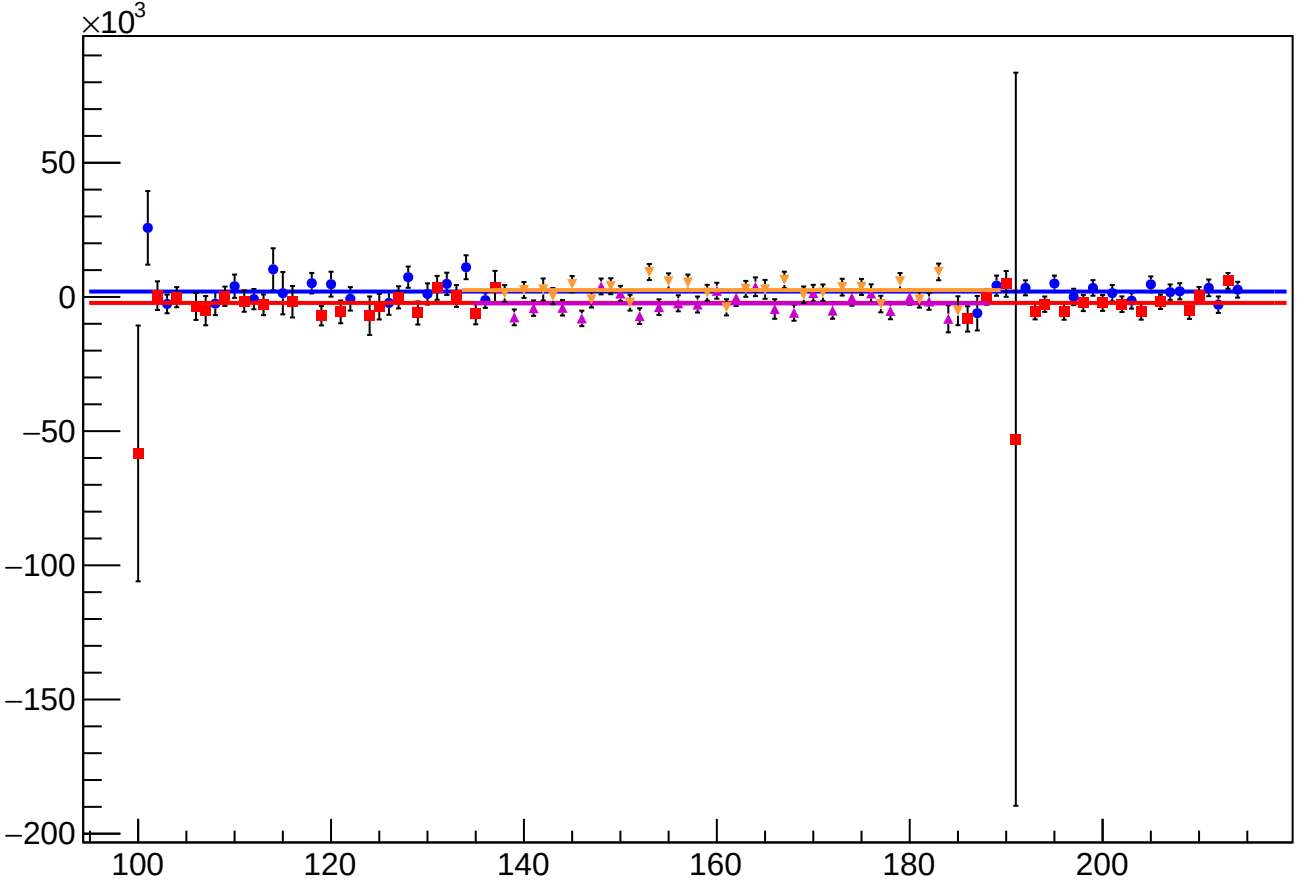
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 762.902+/-0.095 χ^2/NDF: 8897731.3/54

All: 751.711+/-0.067 χ^2/NDF: 18889743.8/11

- sign 740.773+/-0.094 χ^2/NDF: 9964382.7/56

eigen_cor_asym_atr1_mean vs Slug



Right In: 2010.052+/-655.655 χ^2/NDF: 26.6/29

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2224.295+/-647.271 χ^2/NDF: 28.3/33

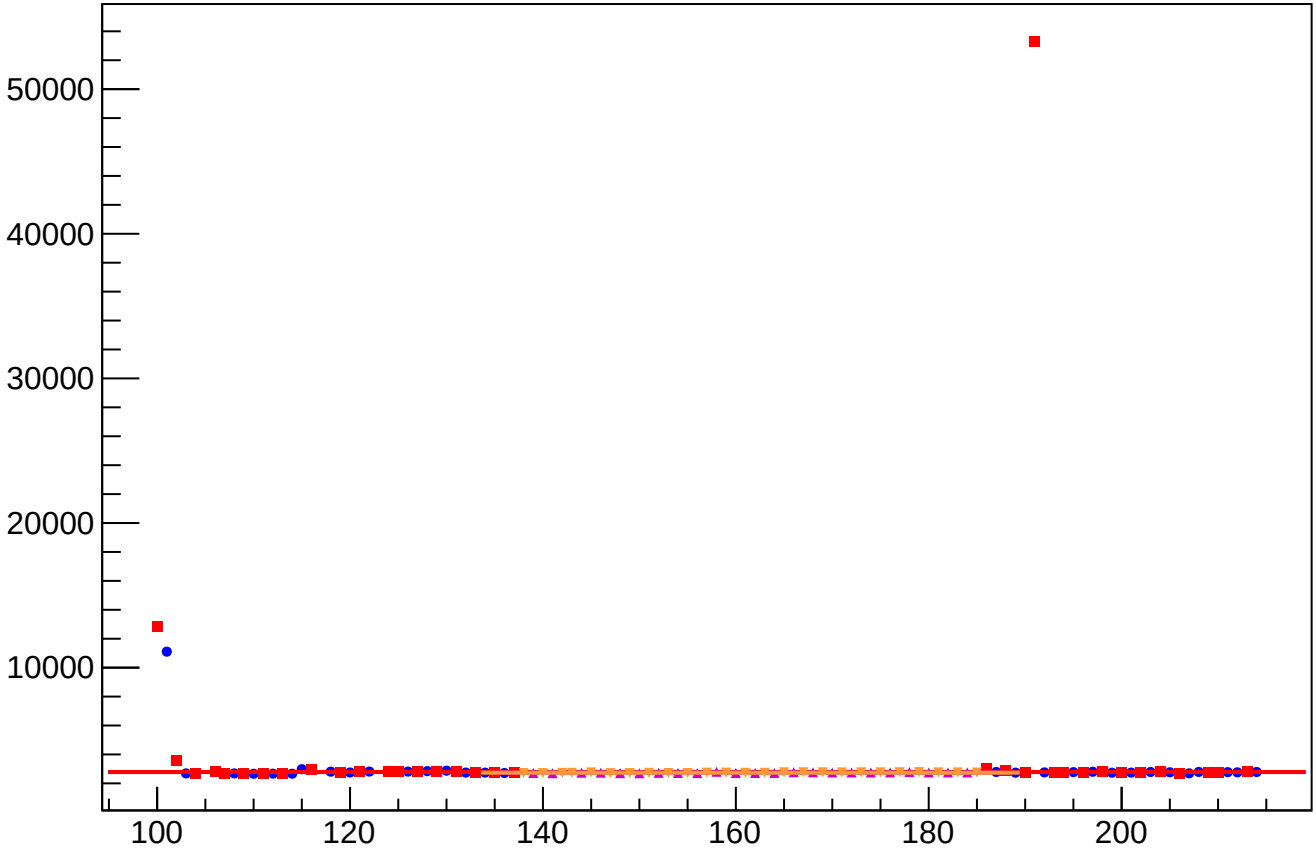
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2297.886+/-451.184 χ^2/NDF: 58.5/54

All: 9.644+/-320.375 χ^2/NDF: 170.1/111

- sign -2317.458+/-454.999 χ^2/NDF: 59.7/56

eigen_cor_asym_atr1_rms vs Slug



Right In: 2779.034+/-0.464 χ^2/NDF: 750527.6/29

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2788.249+/-0.458 χ^2/NDF: 481338.9/33

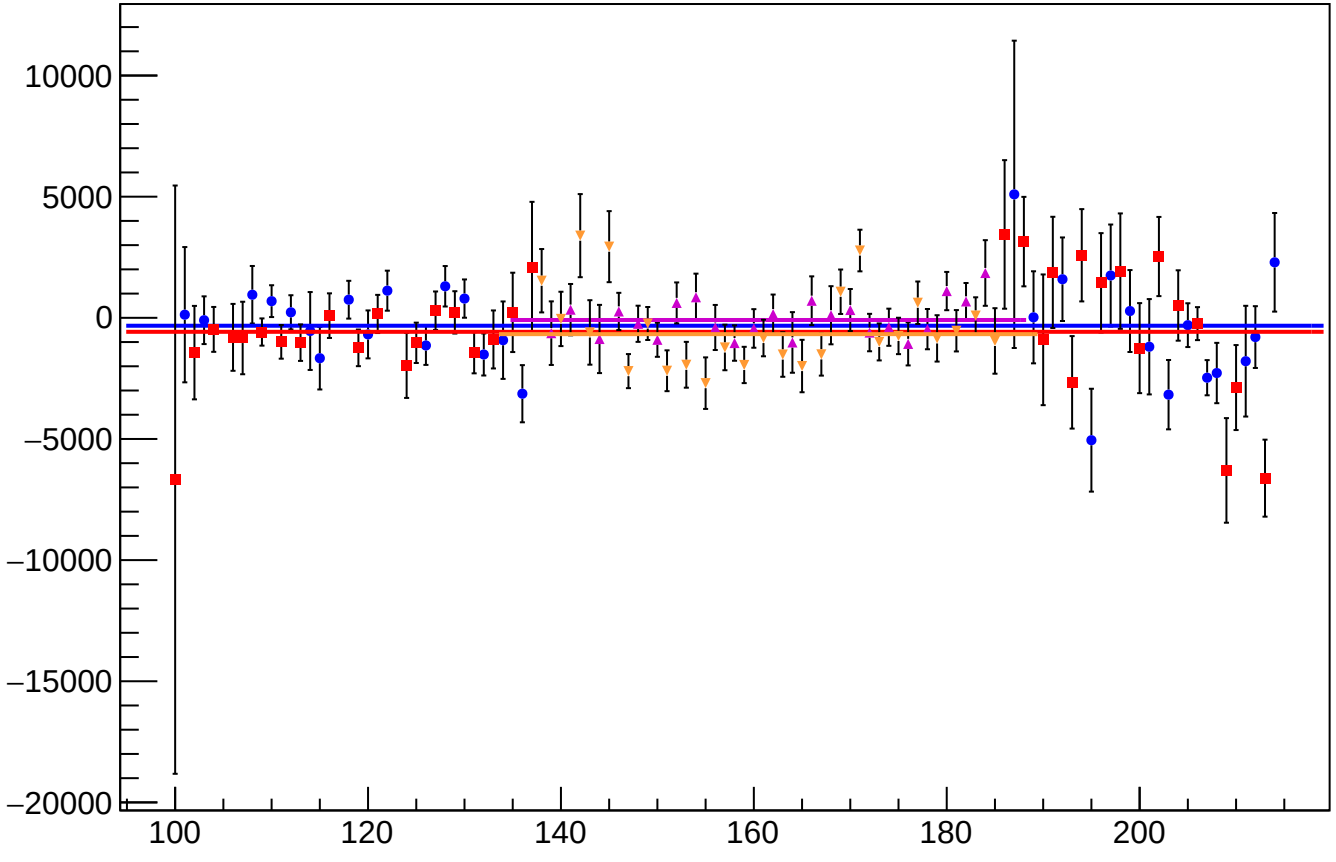
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2757.178+/-0.319 χ^2/NDF: 757066.5/54

All: 2760.447+/-0.227 χ^2/NDF: 1247632.8/11

- sign 2763.772+/-0.322 χ^2/NDF: 490354.4/56

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -326.469+/-198.648 χ^2/NDF: 50.5/29

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -577.413+/-191.121 χ^2/NDF: 49.9/33

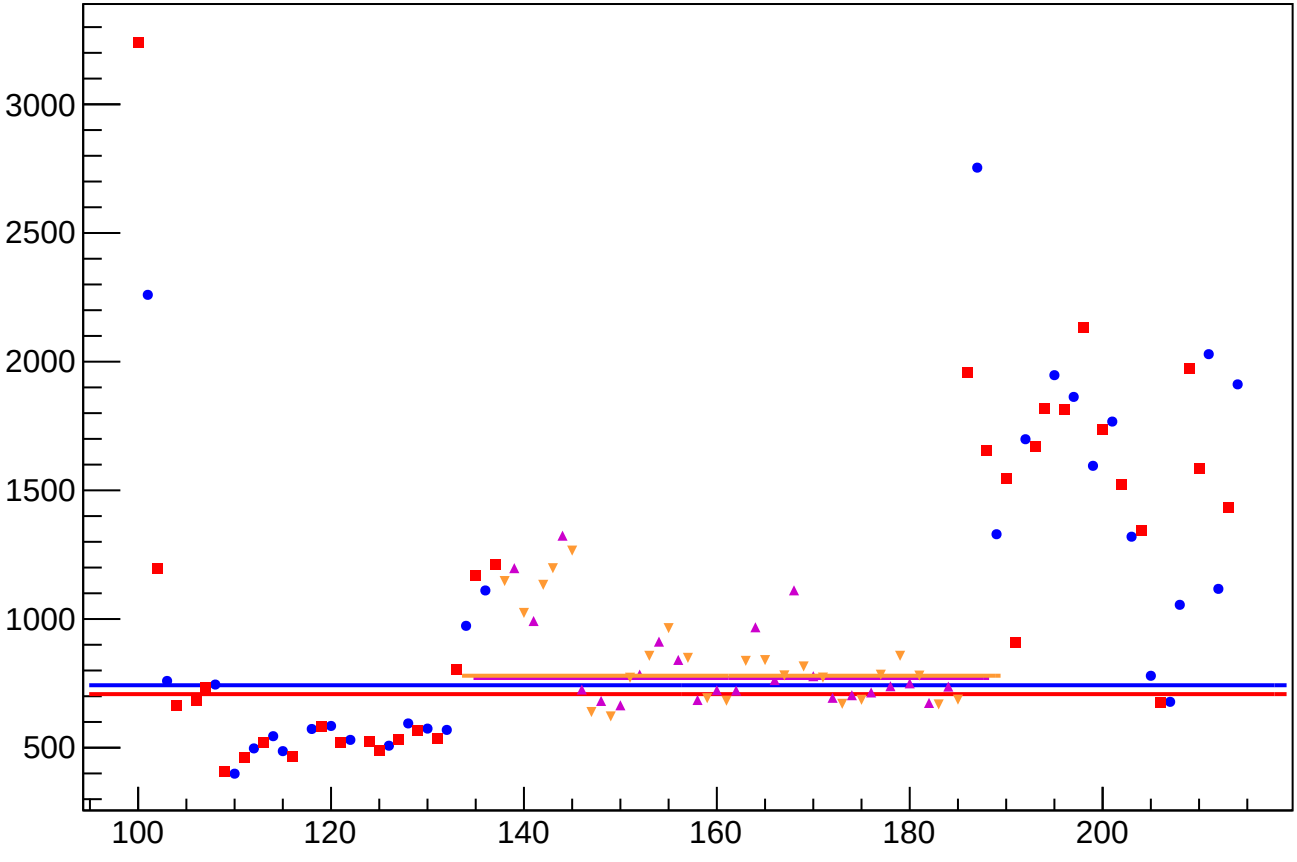
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -515.922+/-133.884 χ^2/NDF: 110.6/54

All: -418.662+/-94.128 χ^2/NDF: 179.6/111

- sign -323.599+/-132.363 χ^2/NDF: 68.0/56

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 742.703+/-0.140 χ^2/NDF: 7616074.7/29

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 708.199+/-0.135 χ^2/NDF: 8776440.9/33

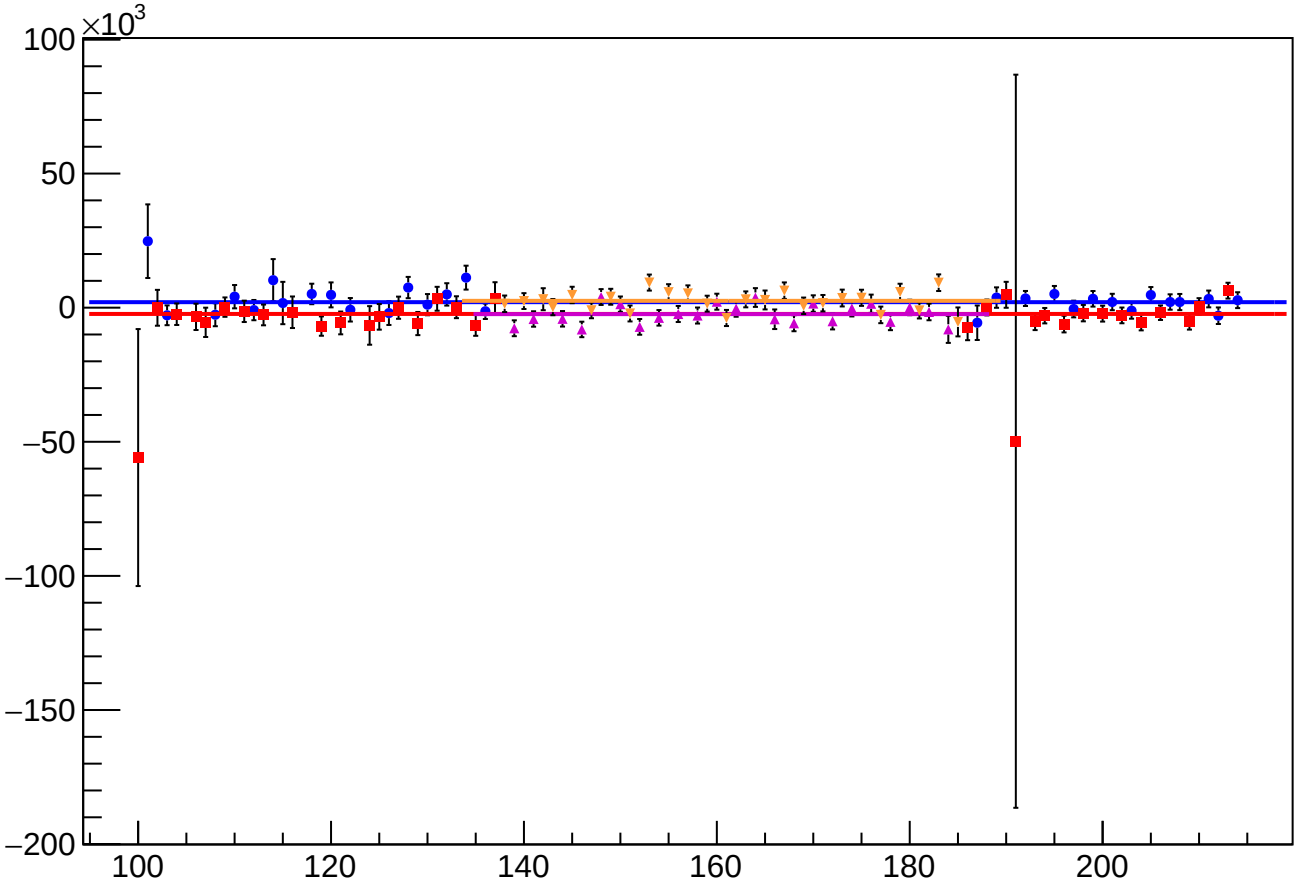
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 762.902+/-0.095 χ^2/NDF: 8897731.3/54

All: 751.711+/-0.067 χ^2/NDF: 18889743.8/11

- sign 740.773+/-0.094 χ^2/NDF: 9964382.7/56

dit_asym_atr1_mean vs Slug



Right In: 2050.197+/-659.073 χ^2/NDF: 26.5/29

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2338.773+/-652.232 χ^2/NDF: 28.1/33

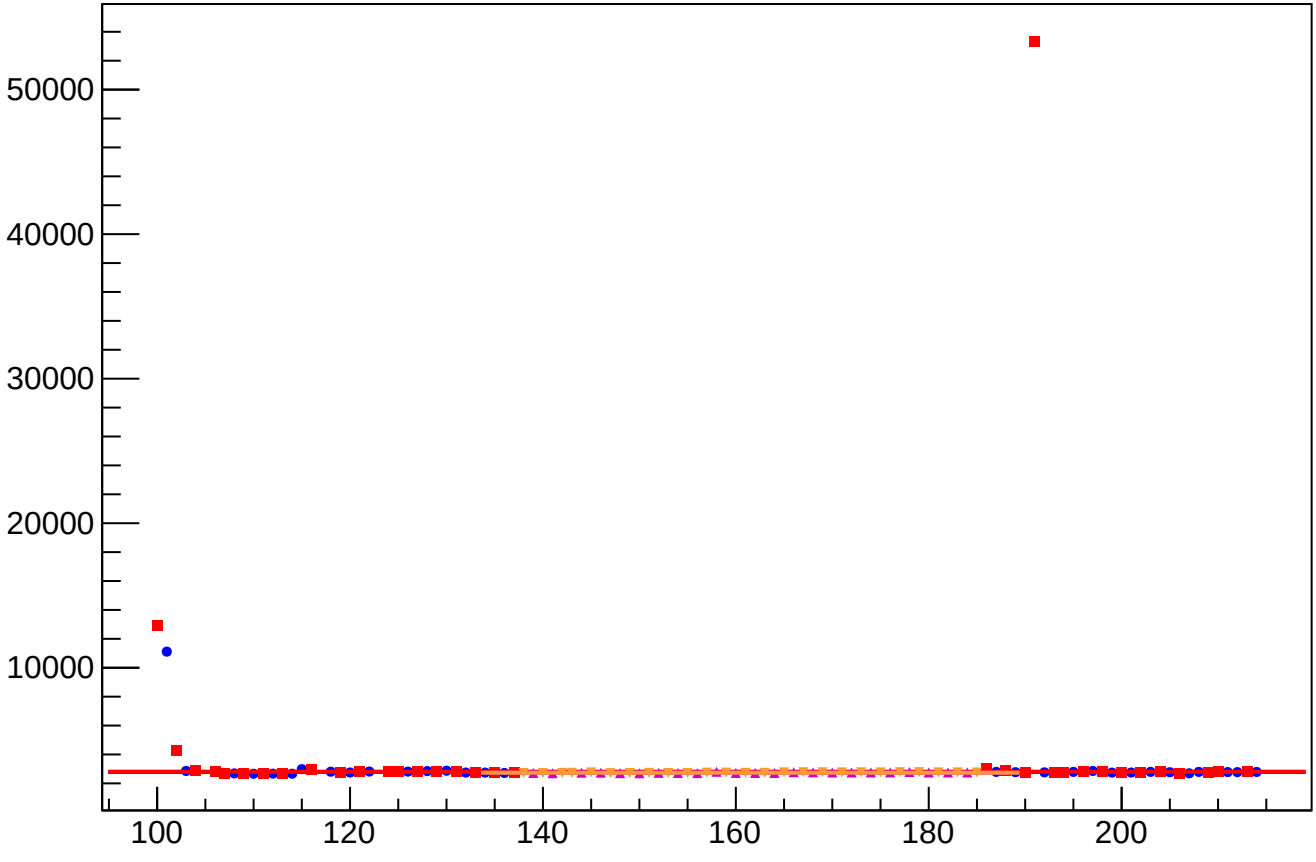
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2311.835+/-452.450 χ^2/NDF: 58.7/54

All: -8.179+/-321.472 χ^2/NDF: 171.7/111

- sign -2373.456+/-456.842 χ^2/NDF: 59.9/56

dit_asym_atr1_rms vs Slug



Right In: 2793.377+/-0.466 χ^2/NDF: 750174.1/29

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF: 534946.5/33

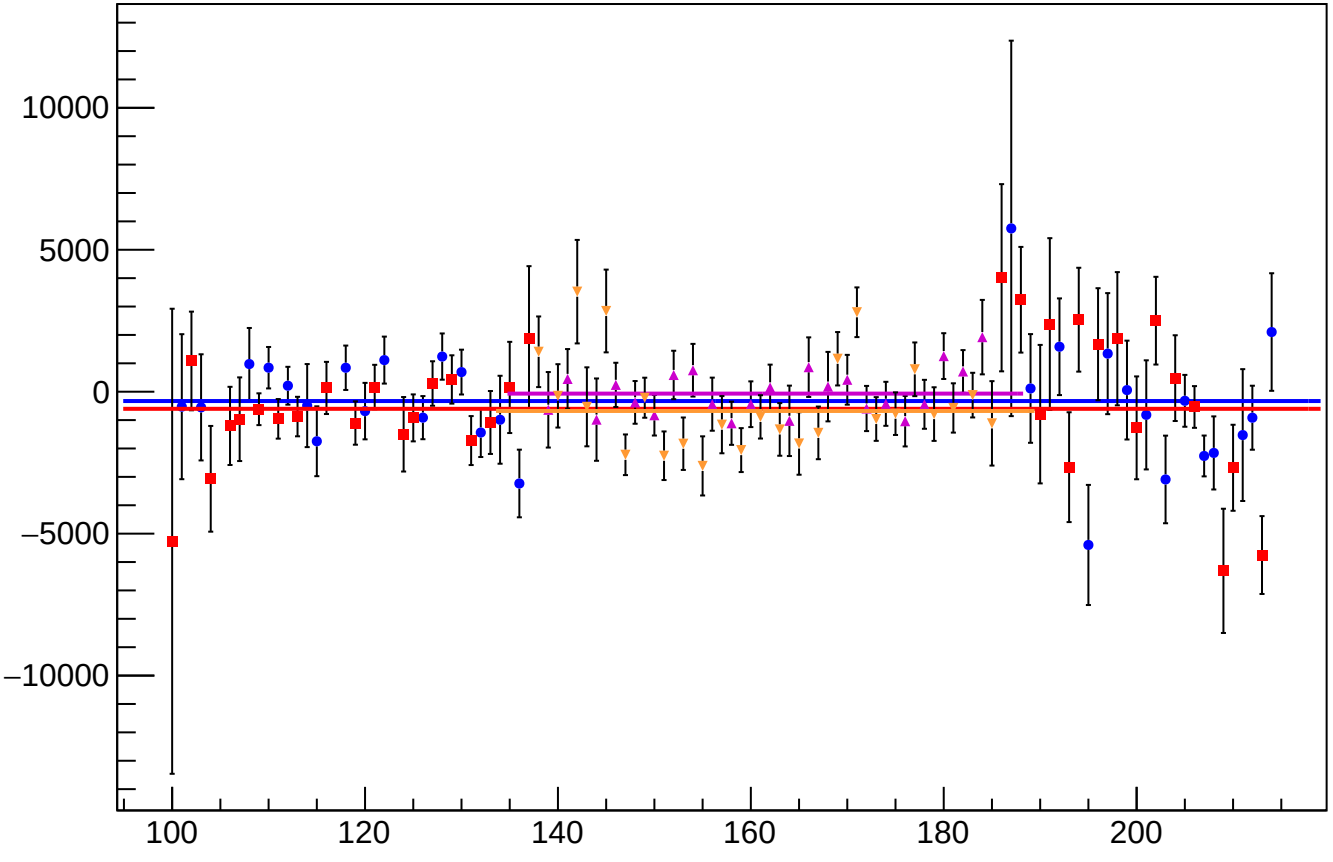
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.787+/-0.320 χ^2/NDF: 759614.3/54

All: 2768.480+/-0.227 χ^2/NDF: 1307672.2/11

- sign 2772.246+/-0.323 χ^2/NDF: 547788.7/56

asym_atr1_dit_correction_mean vs Slug



Right In: -328.936+/-200.887 χ^2/NDF: 47.8/29

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -602.730+/-192.198 χ^2/NDF: 53.4/33

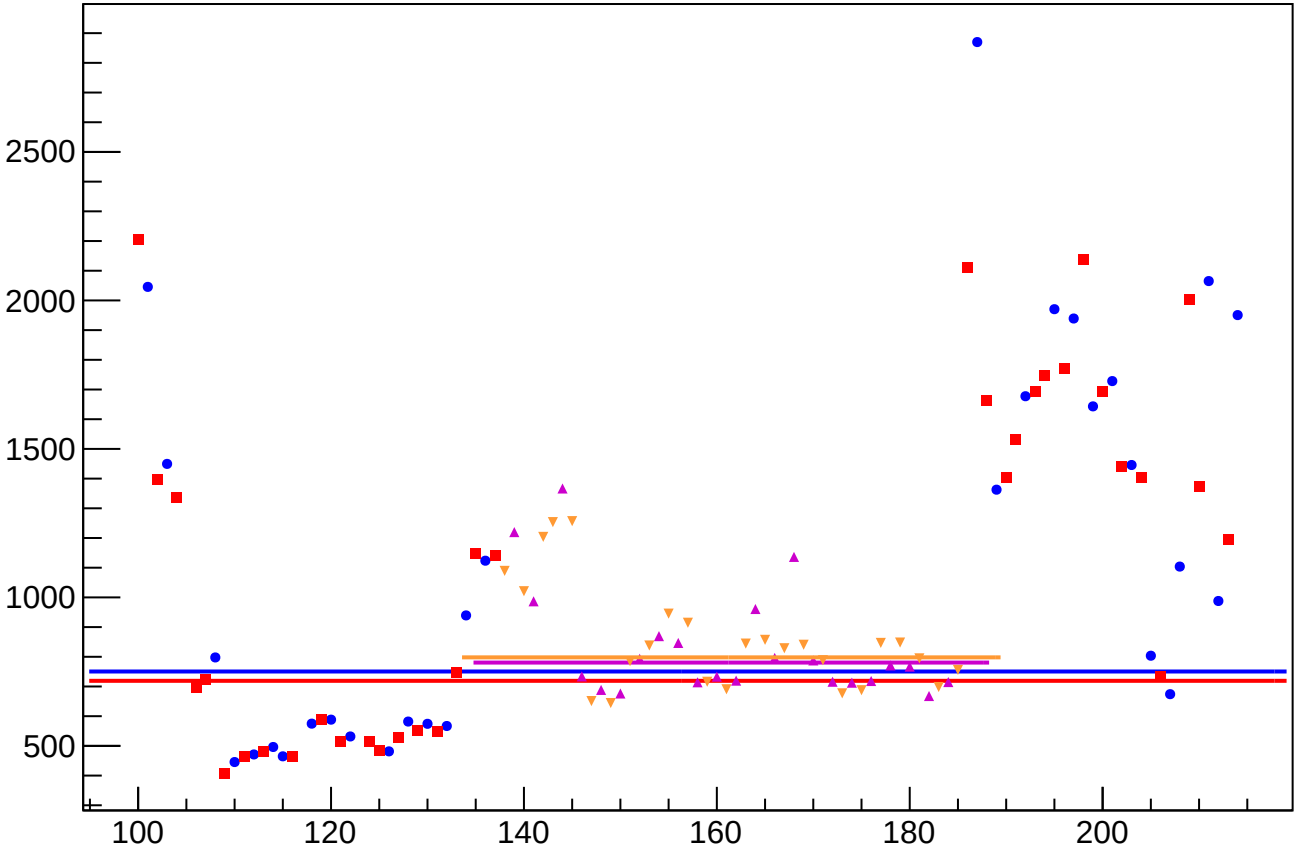
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -517.933+/-136.087 χ^2/NDF: 105.7/54

All: -419.760+/-95.282 χ^2/NDF: 179.9/111

- sign -325.356+/-133.449 χ^2/NDF: 73.2/56

asym_atr1_dit_correction_rms vs Slug



Right In: 750.494+/-0.142 χ^2/NDF: 8032323.3/29

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 719.065+/-0.136 χ^2/NDF: 9078888.0/33

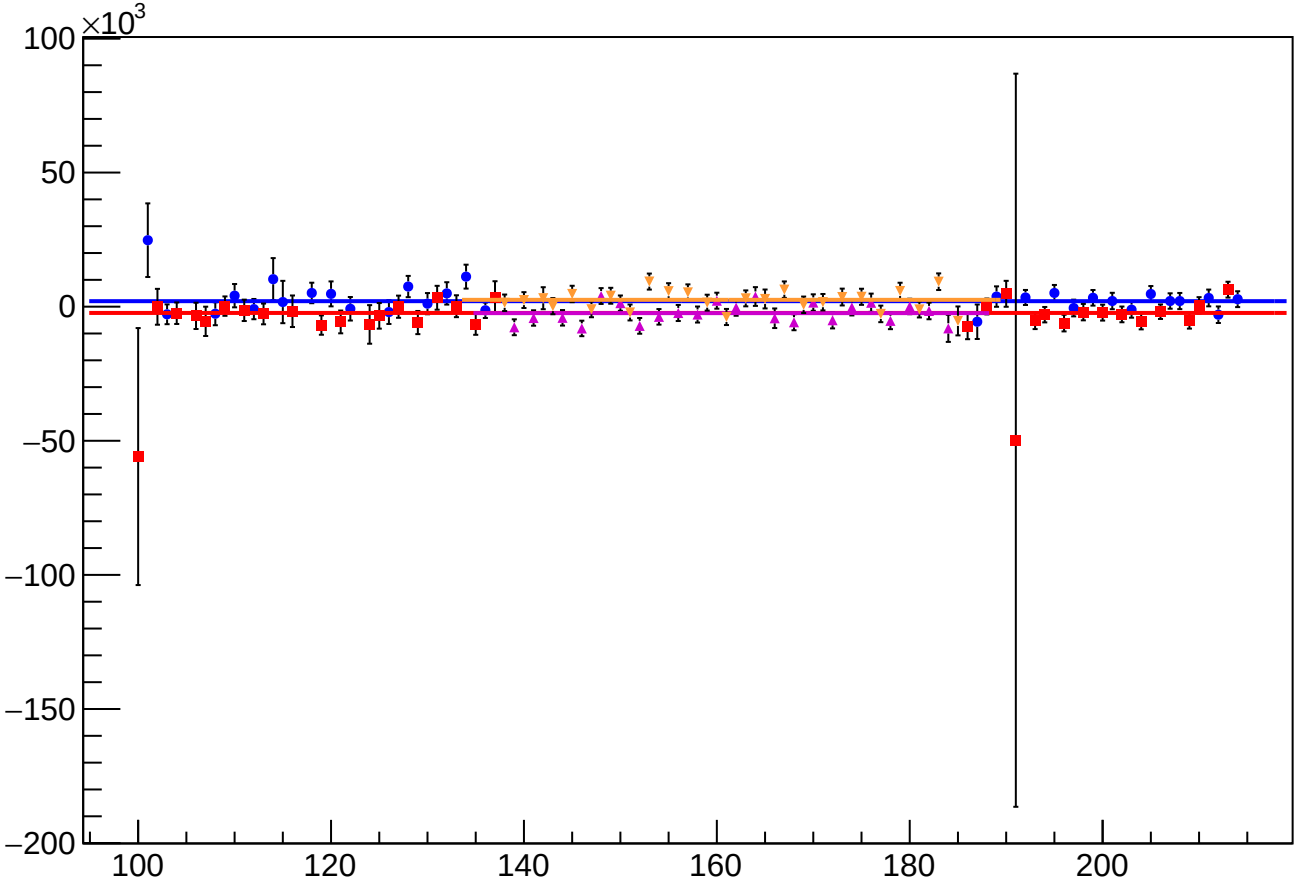
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 776.248+/-0.096 χ^2/NDF: 9261427.3/54

All: 763.324+/-0.067 χ^2/NDF: 19546446.3/11

- sign 750.896+/-0.094 χ^2/NDF: 10249632.4/56

eigen_dit_asym_atr1_mean vs Slug



Right In: 2050.198+/-659.073 χ^2/NDF: 26.5/29

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2338.771+/-652.232 χ^2/NDF: 28.1/33

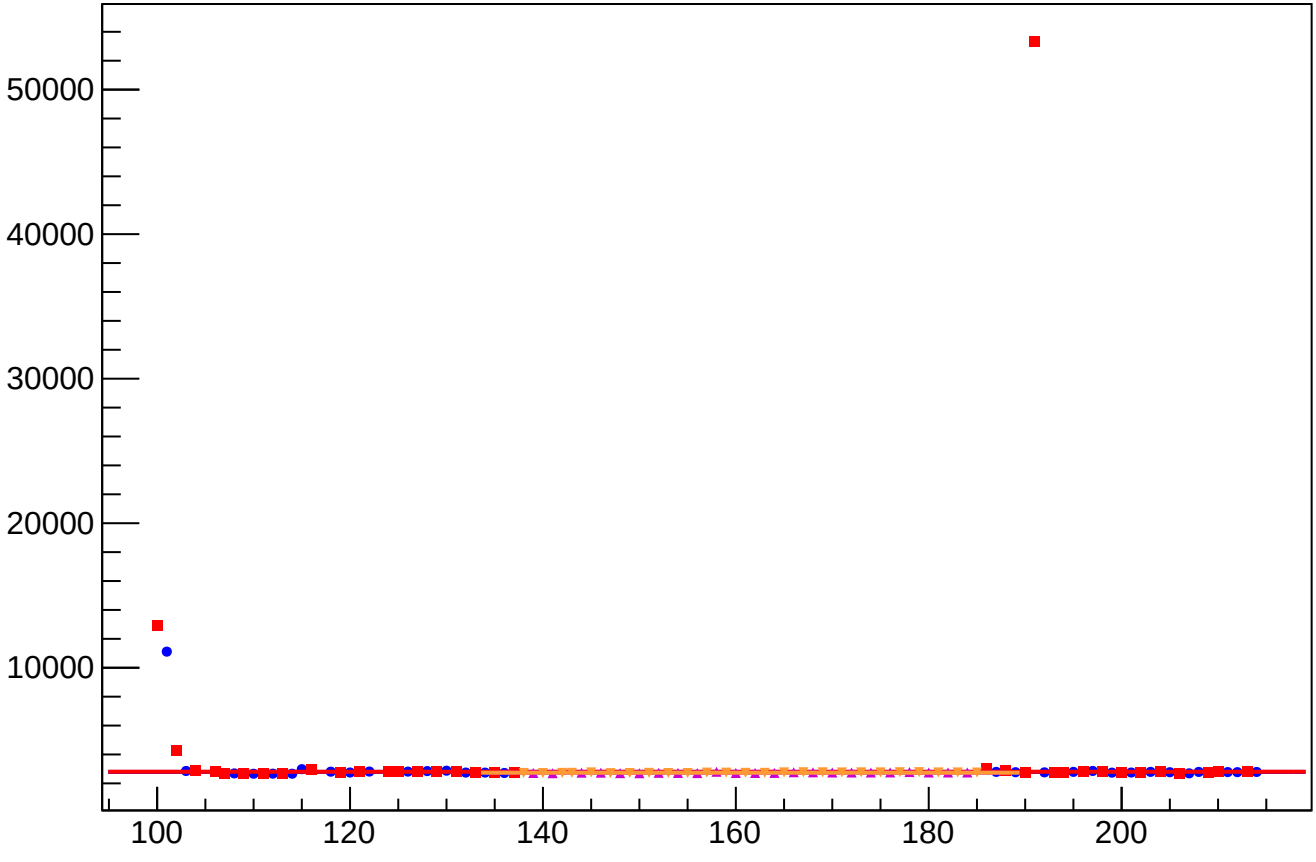
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2311.836+/-452.450 χ^2/NDF: 58.7/54

All: -8.178+/-321.472 χ^2/NDF: 171.7/111

- sign -2373.454+/-456.842 χ^2/NDF: 59.9/56

eigen_dit_asym_atr1_rms vs Slug



Right In: 2793.377+/-0.466 χ^2/NDF: 750174.0/29

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2804.282+/-0.461 χ^2/NDF: 534946.3/33

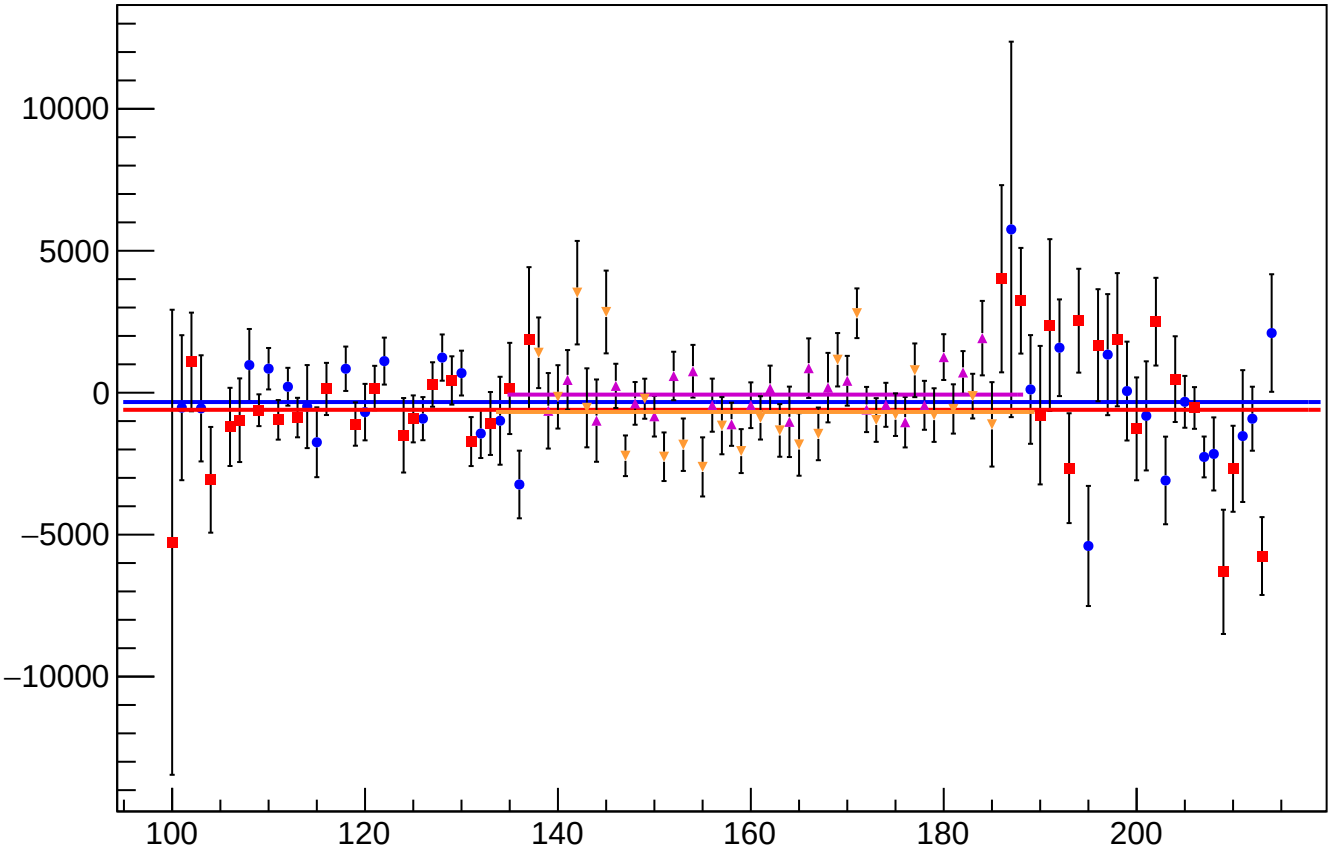
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.787+/-0.320 χ^2/NDF: 759614.3/54

All: 2768.480+/-0.227 χ^2/NDF: 1307671.9/11

- sign 2772.246+/-0.323 χ^2/NDF: 547788.5/56

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -328.936+/-200.887 χ^2/NDF: 47.8/29

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -602.729+/-192.198 χ^2/NDF: 53.4/33

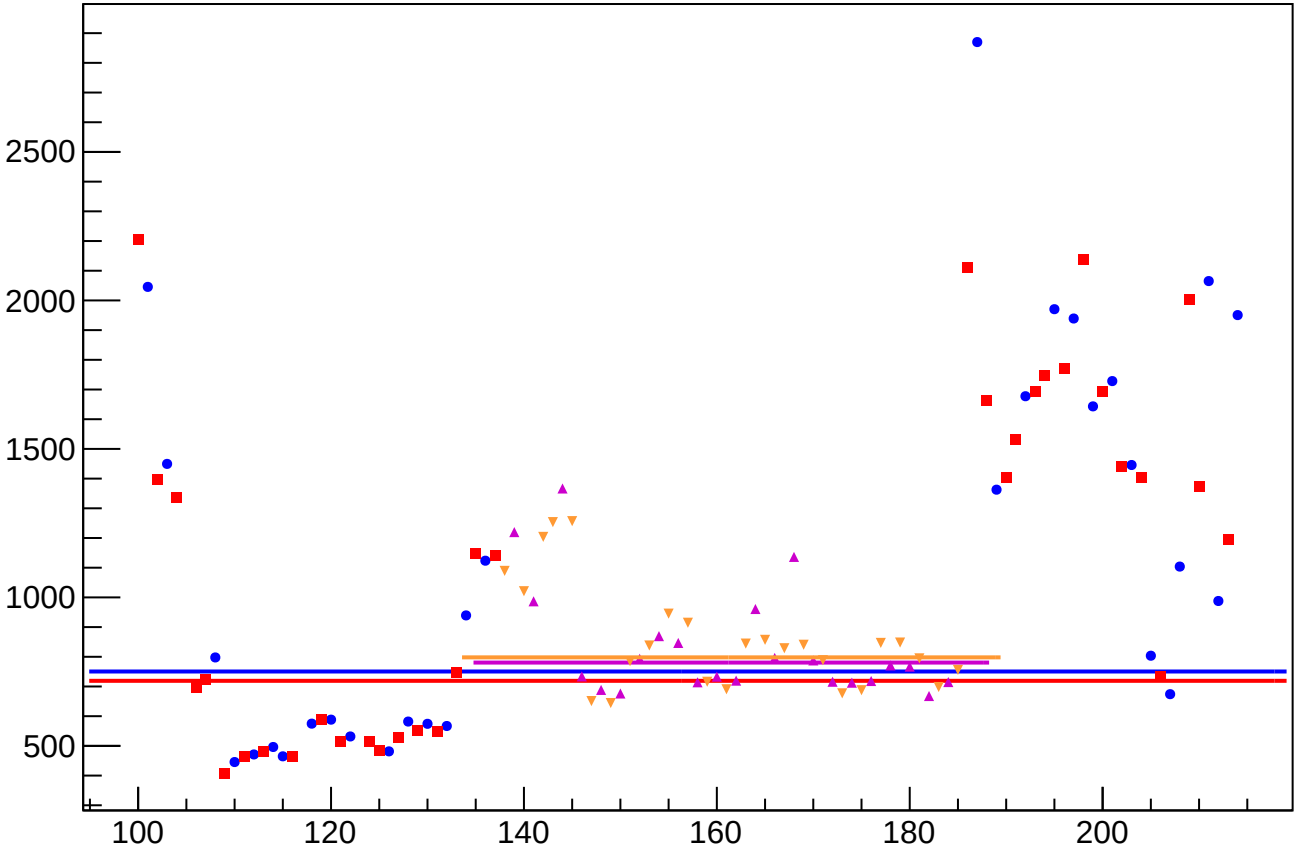
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -517.933+/-136.087 χ^2/NDF: 105.7/54

All: -419.760+/-95.282 χ^2/NDF: 179.9/111

- sign -325.356+/-133.449 χ^2/NDF: 73.2/56

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 750.495+/-0.142 χ^2/NDF: 8032322.3/29

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 719.066+/-0.136 χ^2/NDF: 9078895.3/33

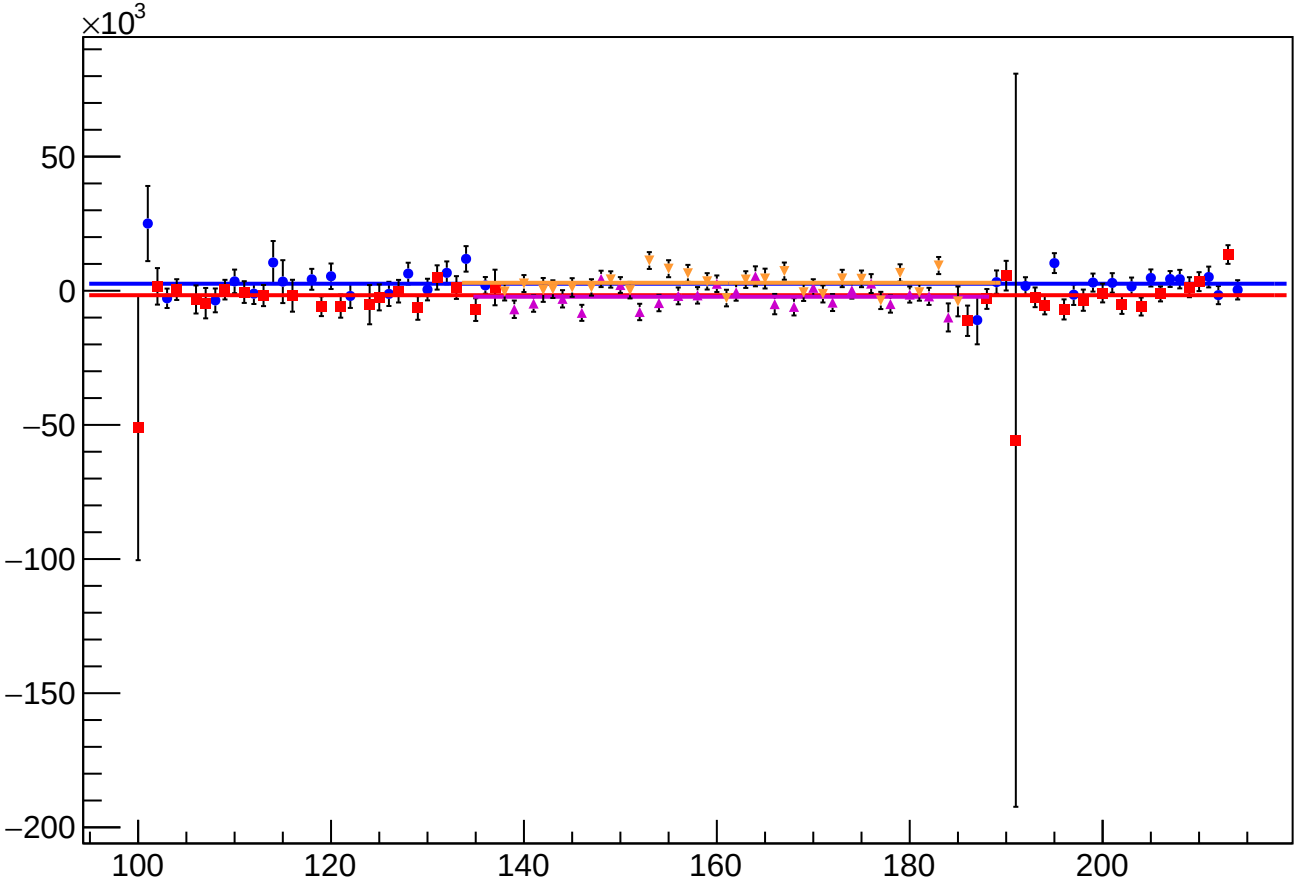
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 776.249+/-0.096 χ^2/NDF: 9261427.0/54

All: 763.324+/-0.067 χ^2/NDF: 19546456.1/11

- sign 750.896+/-0.094 χ^2/NDF: 10249641.6/56

asym_atr1_mean vs Slug



Right In: 2621.084+/-725.681 χ^2/NDF: 28.3/29

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -1658.414+/-722.115 χ^2/NDF: 43.1/33

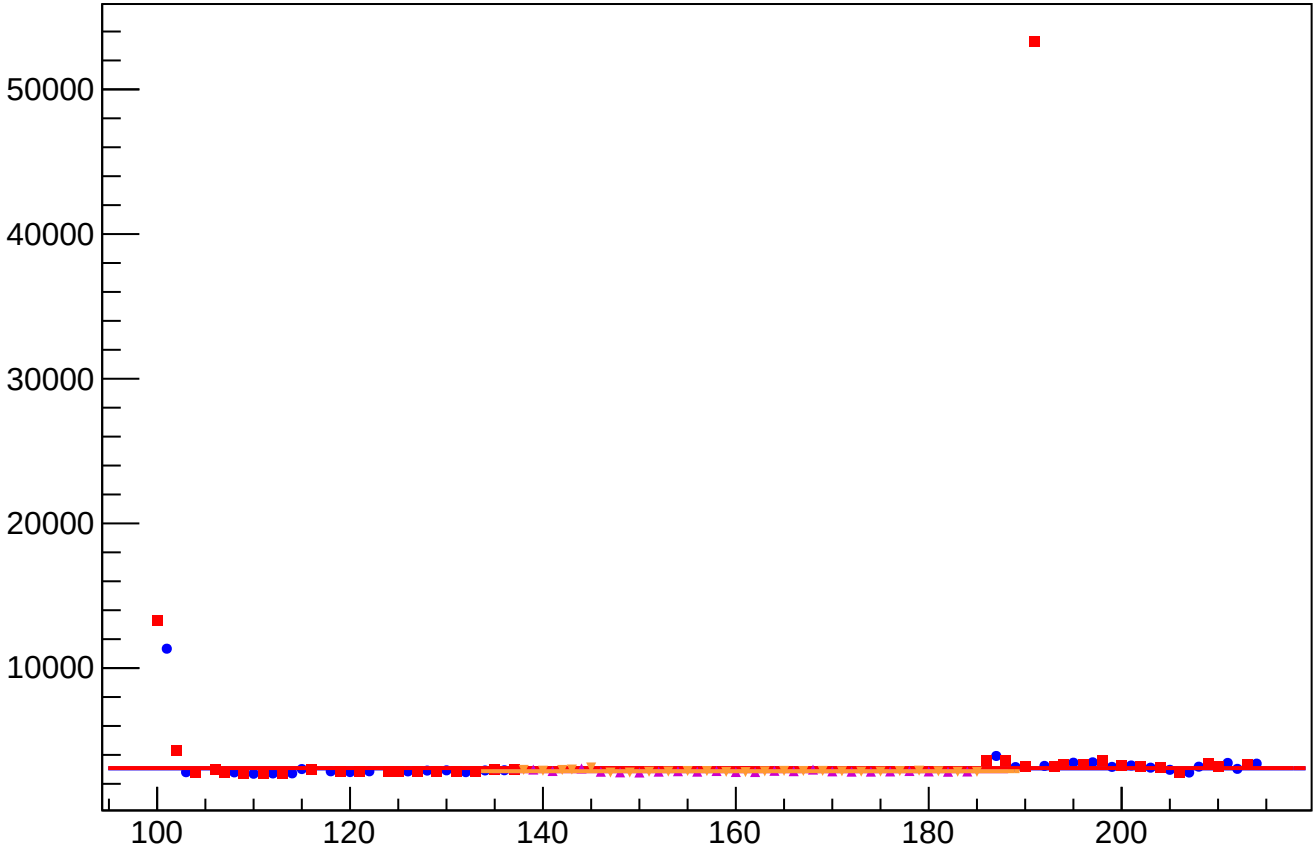
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2813.443+/-485.526 χ^2/NDF: 64.1/54

All: 450.173+/-345.336 χ^2/NDF: 189.3/111

- sign -1969.462+/-491.282 χ^2/NDF: 77.3/56

asym_atr1_rms vs Slug



Right In: 3065.327+/-0.513 χ^2/NDF: 926434.1/29

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

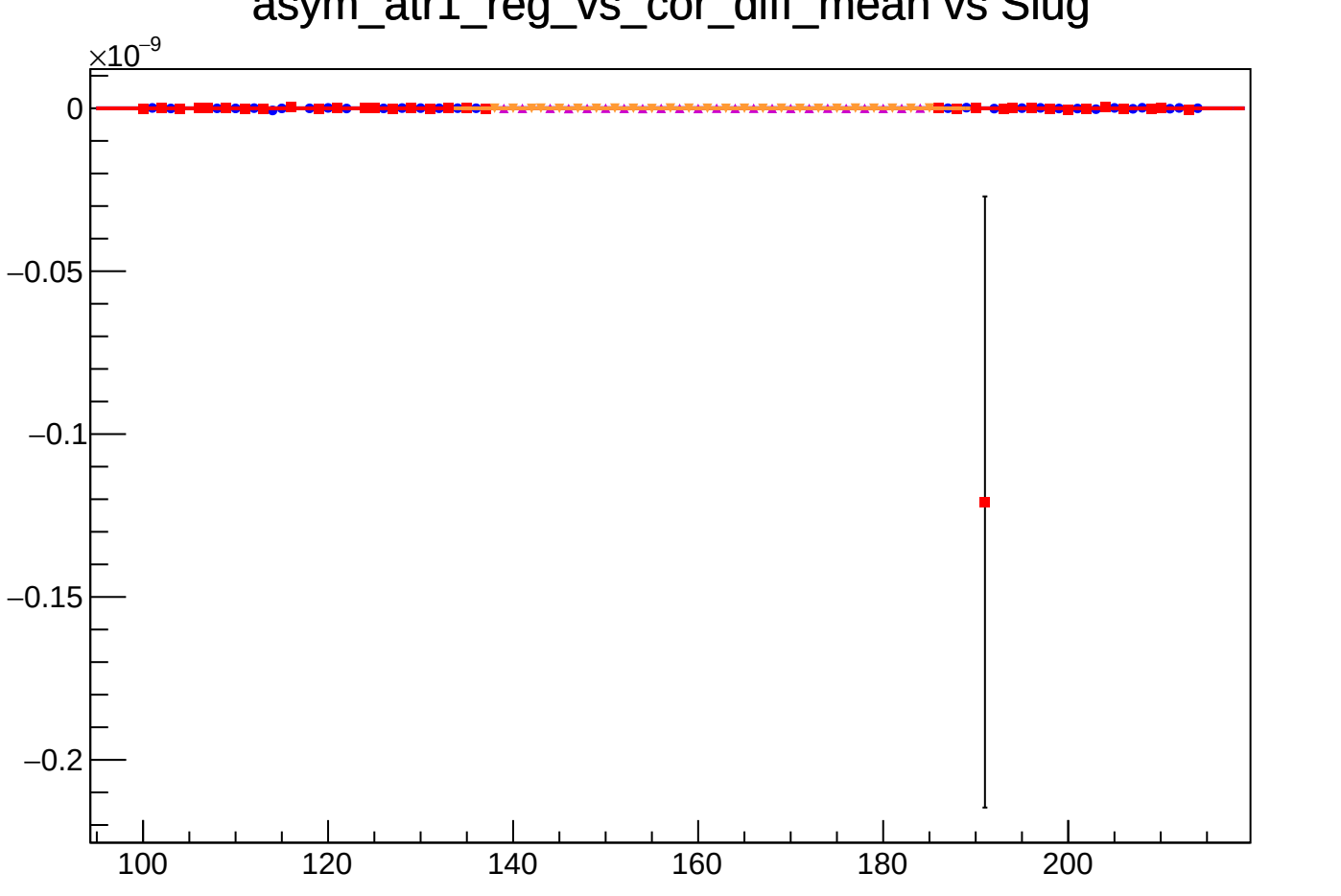
Right Out: 3090.230+/-0.511 χ^2/NDF: 761890.0/33

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

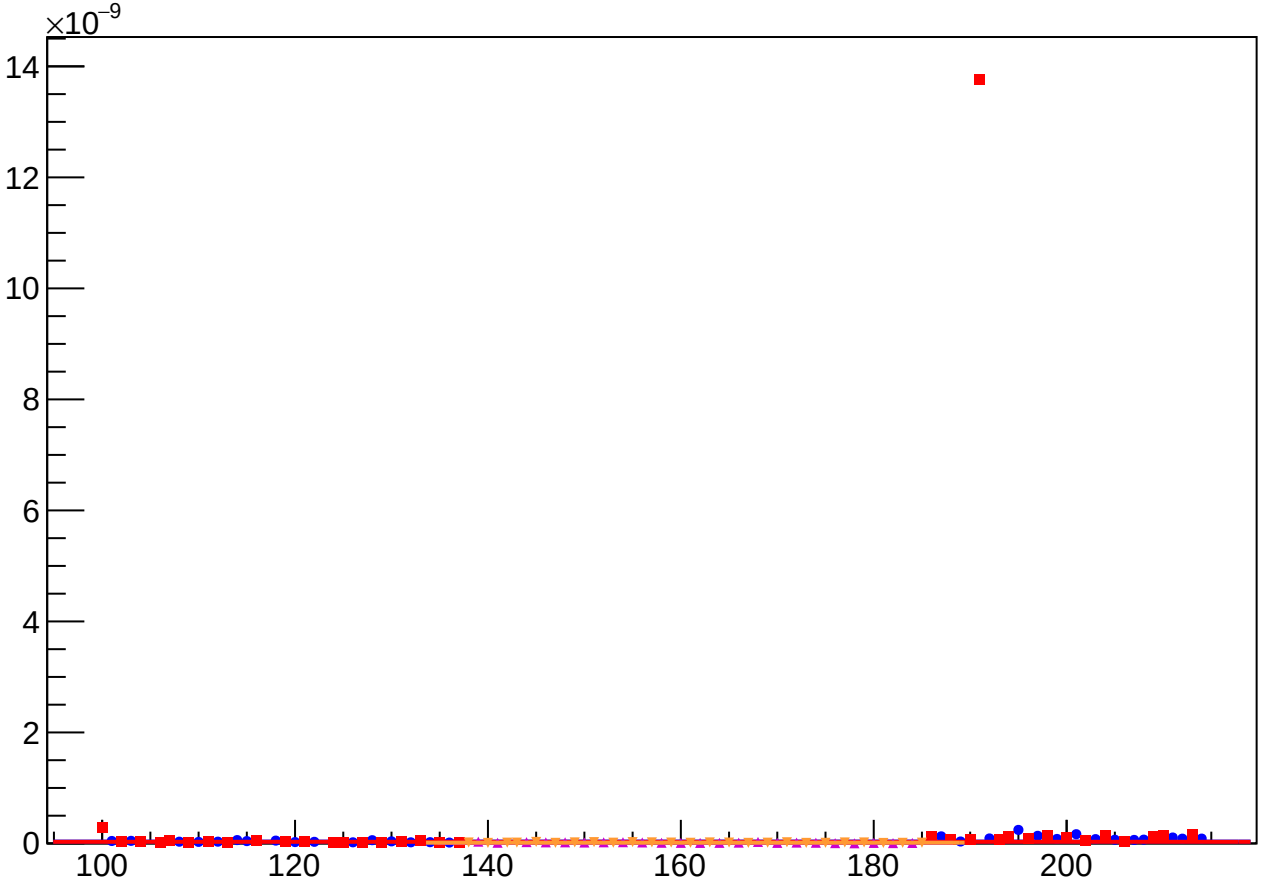
+ sign 2960.162+/-0.343 χ^2/NDF: 1024266.5/54

All: 2966.020+/-0.244 χ^2/NDF: 1904215.9/11

- sign 2972.018+/-0.347 χ^2/NDF: 879360.1/56


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
Right In: 0.000+/-0.000 χ²/NDF: 24.5/29
Left Out: 0.000+/-0.000 χ²/NDF:14.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 43.1/33
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 40.1/54
All: 0.000+/-0.000 χ²/NDF: 112.8/111
- sign 0.000+/-0.000 χ²/NDF: 72.6/56

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4851473.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5077047.2/33

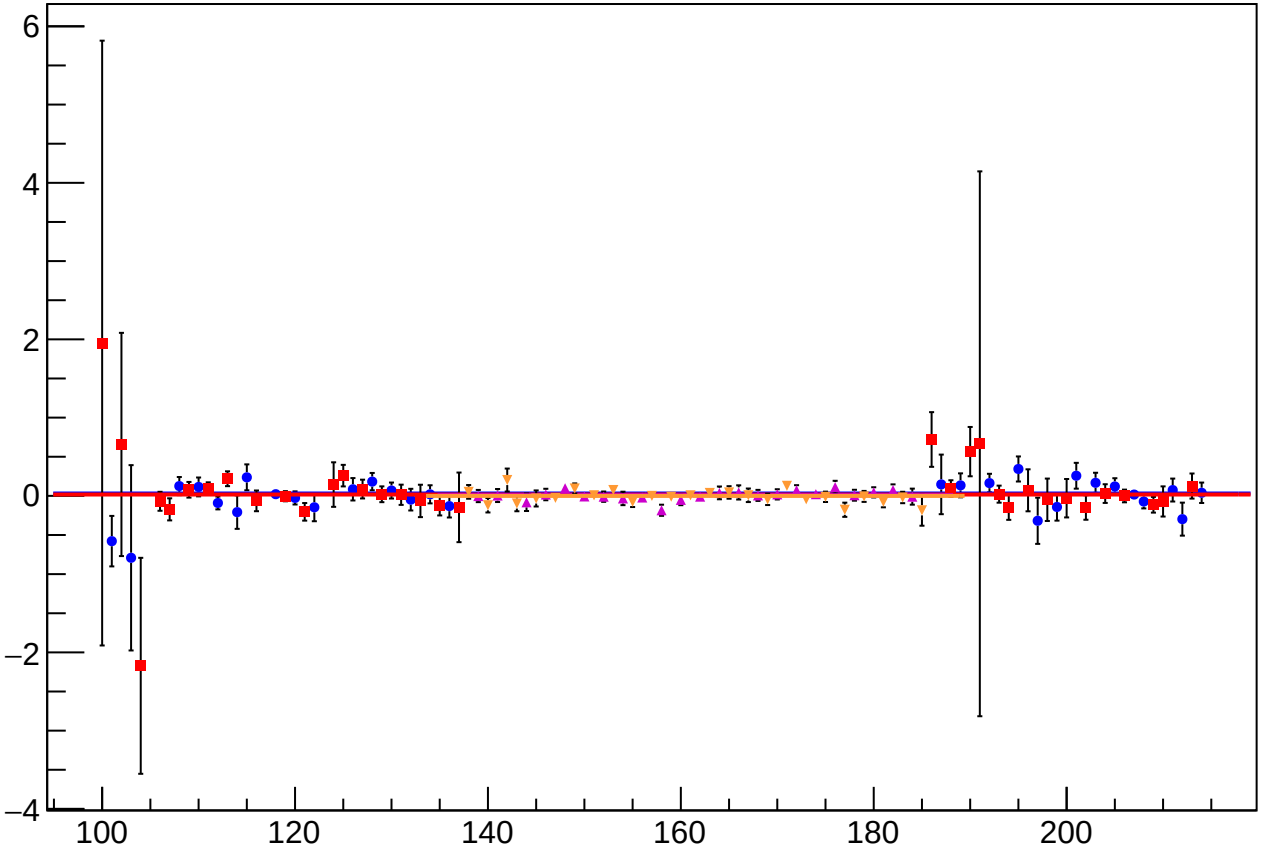
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9033000.7/54

All: 0.000+/-0.000 χ^2/NDF: 20529894.0/111

- sign 0.000+/-0.000 χ^2/NDF: 11171516.1/56

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/29

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.023 χ^2/NDF: 33.2/33

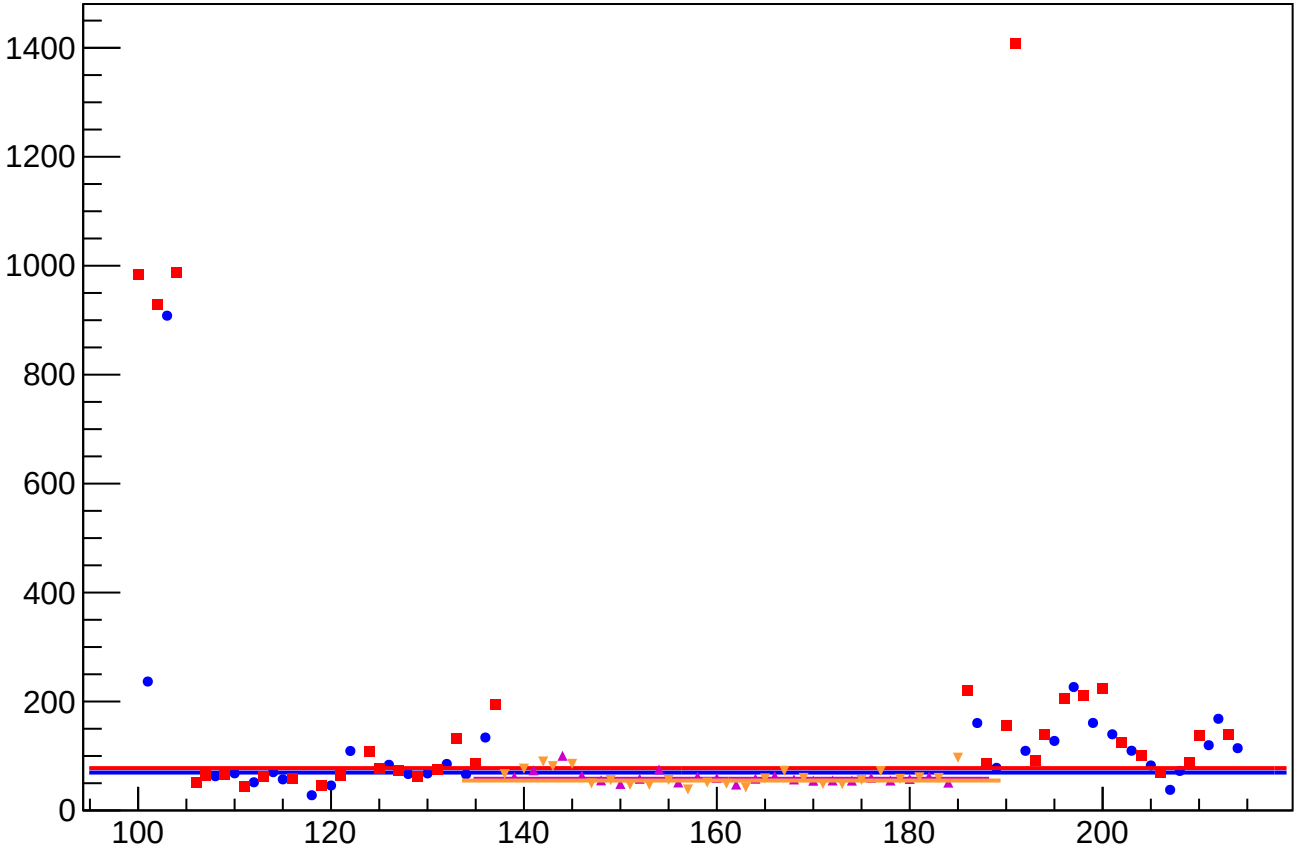
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 55.0/54

All: 0.010+/-0.009 χ^2/NDF: 103.9/111

- sign 0.011+/-0.012 χ^2/NDF: 48.9/56

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 69.581+/-0.015 χ^2/NDF: 7442000.9/29

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF: 6770213.5/33

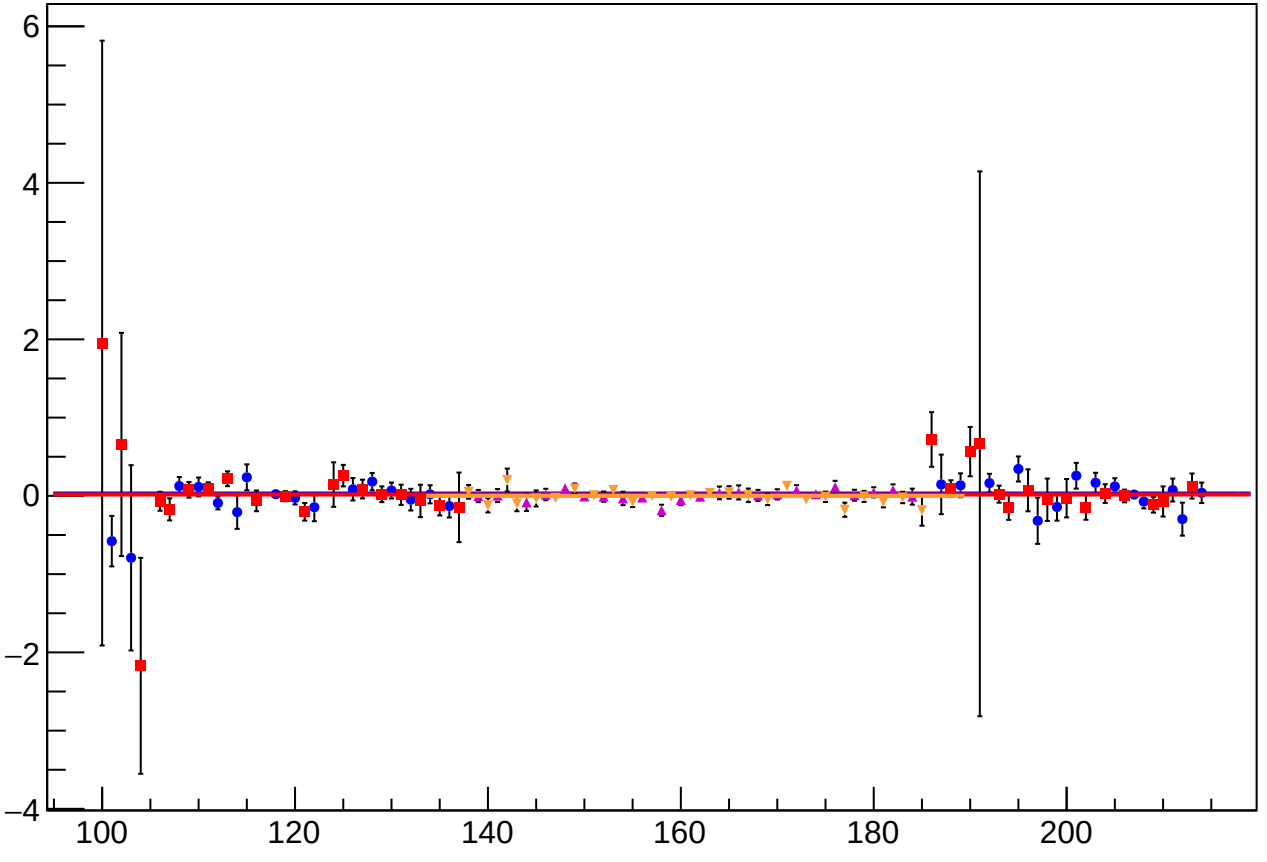
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 59.464+/-0.008 χ^2/NDF: 9408296.5/54

All: 61.641+/-0.006 χ^2/NDF: 18039230.4/111

- sign 64.074+/-0.009 χ^2/NDF: 8484655.6/56

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/29

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.023 χ^2/NDF: 33.2/33

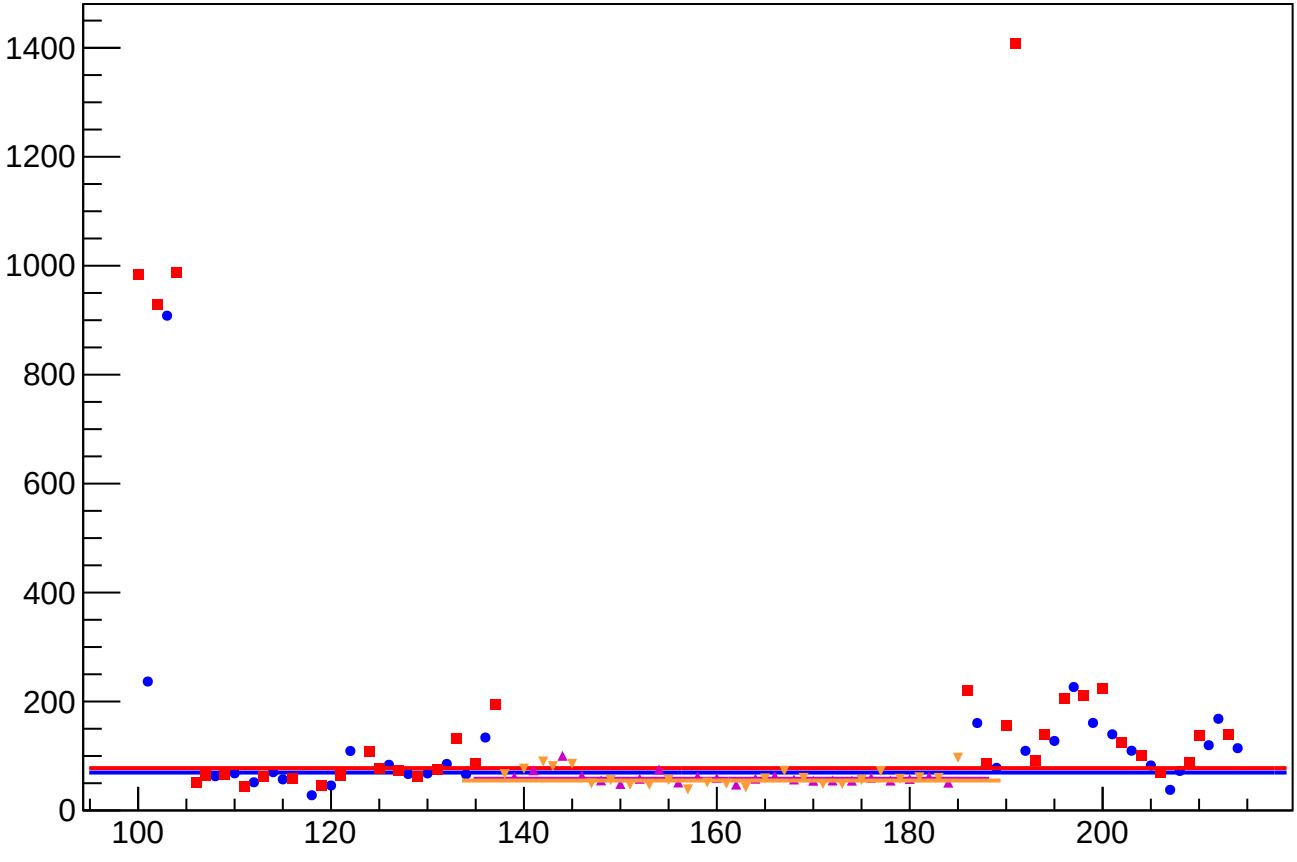
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 55.0/54

All: 0.010+/-0.009 χ^2/NDF: 103.9/111

- sign 0.011+/-0.012 χ^2/NDF: 48.9/56

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.581+/-0.015 χ^2/NDF: 7442000.9/29

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 77.733+/-0.016 χ^2/NDF: 6770213.5/33

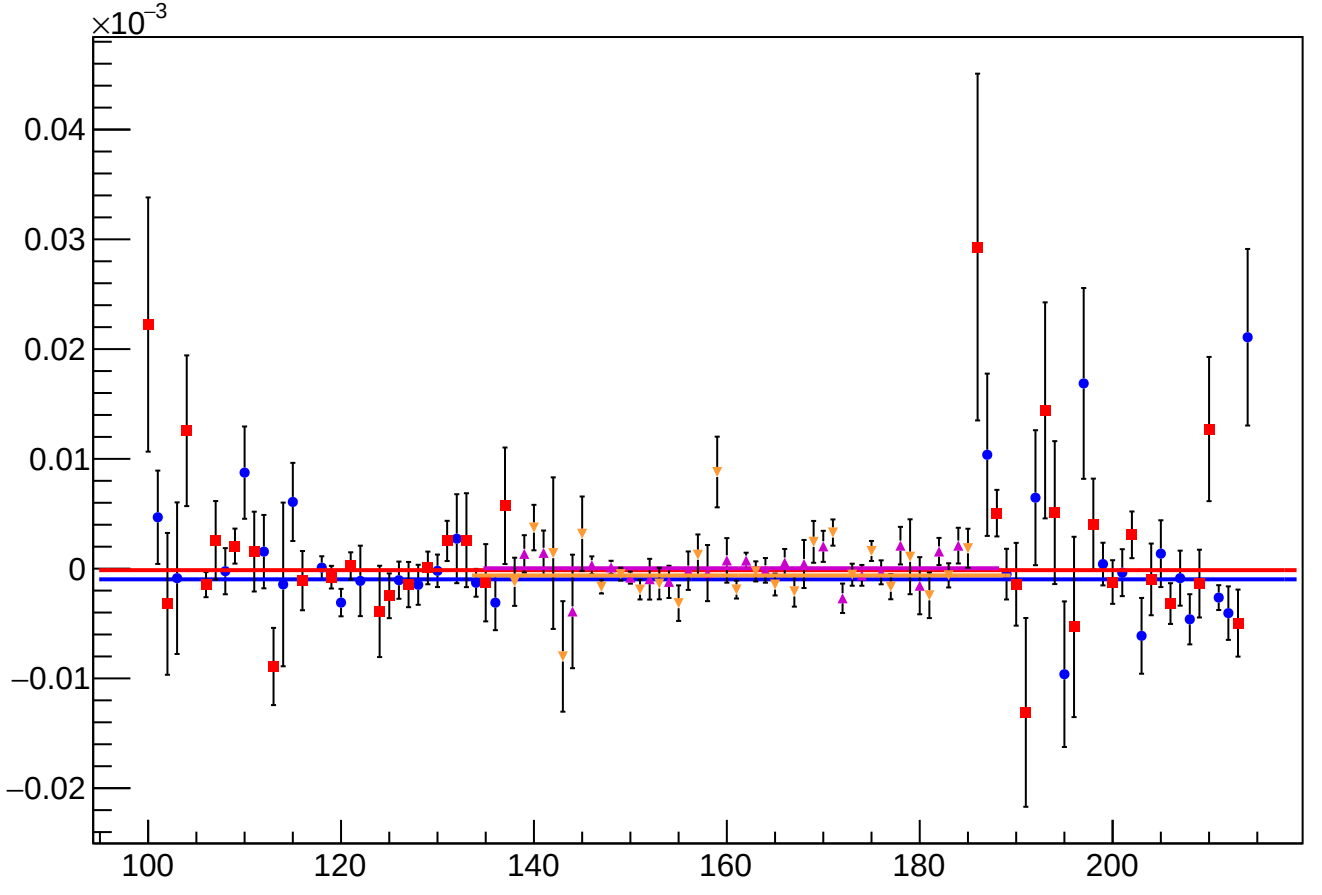
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 59.464+/-0.008 χ^2/NDF: 9408296.5/54

All: 61.641+/-0.006 χ^2/NDF: 18039230.4/111

- sign 64.074+/-0.009 χ^2/NDF: 8484655.6/56

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 44.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 52.6/33

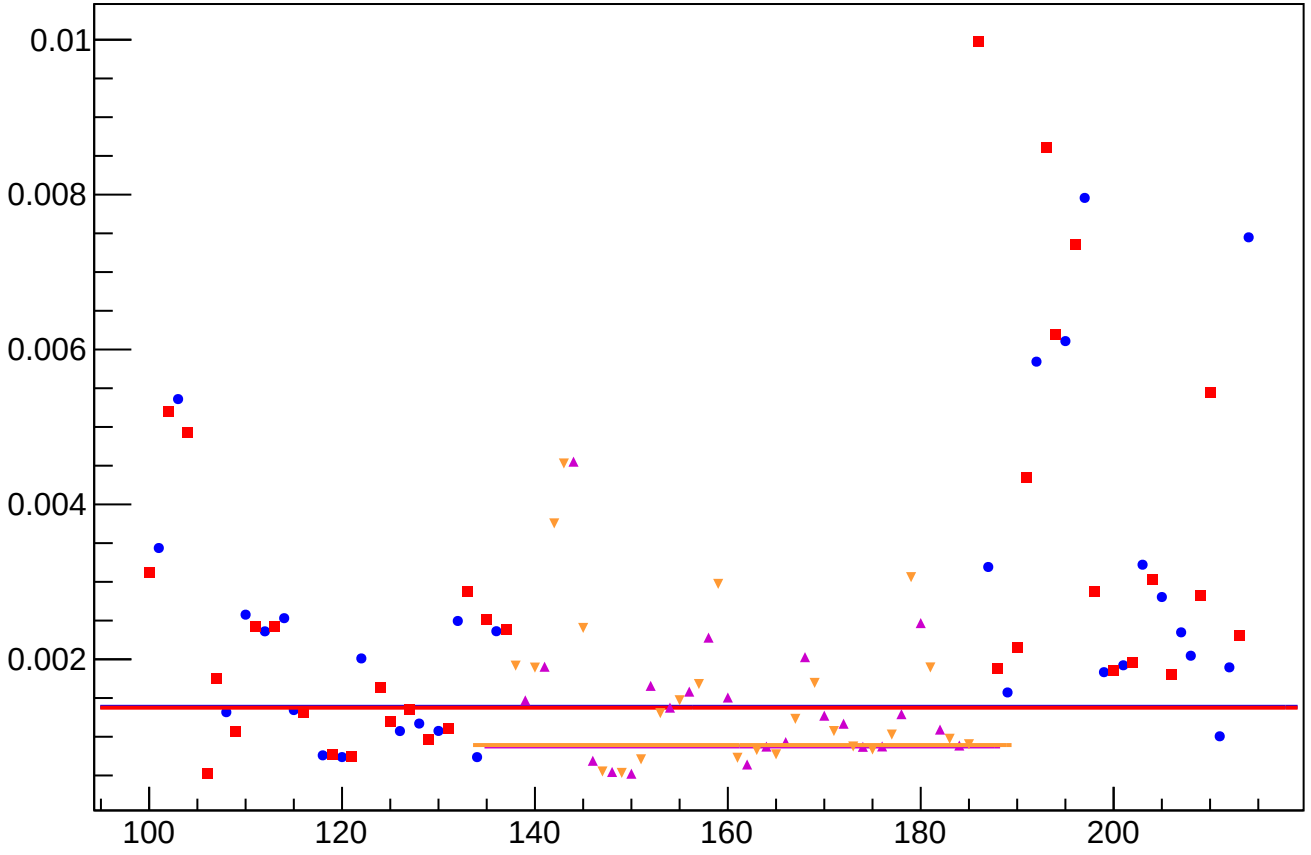
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 98.0/54

All: -0.000+/-0.000 χ^2/NDF: 174.9/111

- sign -0.000+/-0.000 χ^2/NDF: 70.9/56

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10497755.5/29

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11615482.0/33

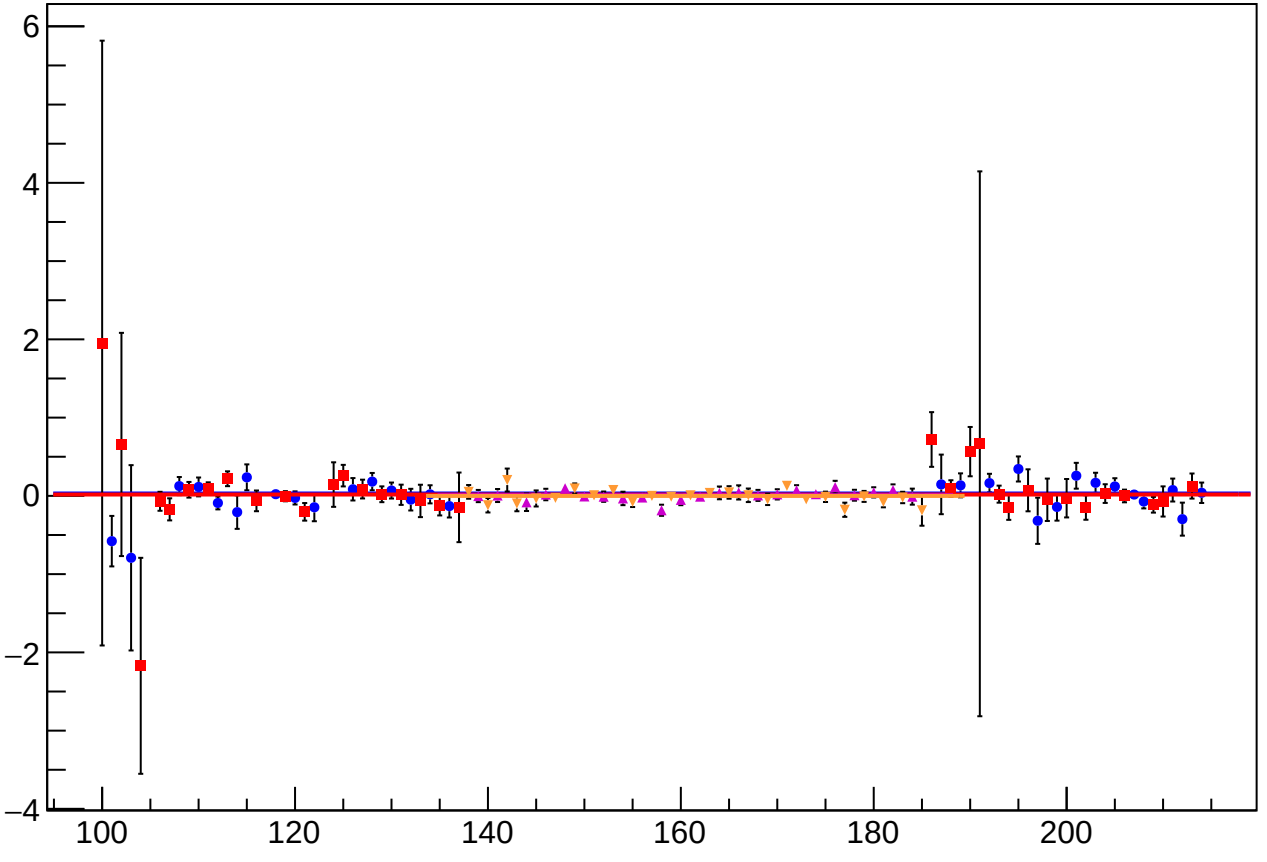
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 20557946.7/54

All: 0.001+/-0.000 χ^2/NDF: 41438213.5/111

- sign 0.001+/-0.000 χ^2/NDF: 20872312.4/56

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/29

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.023 χ^2/NDF: 33.2/33

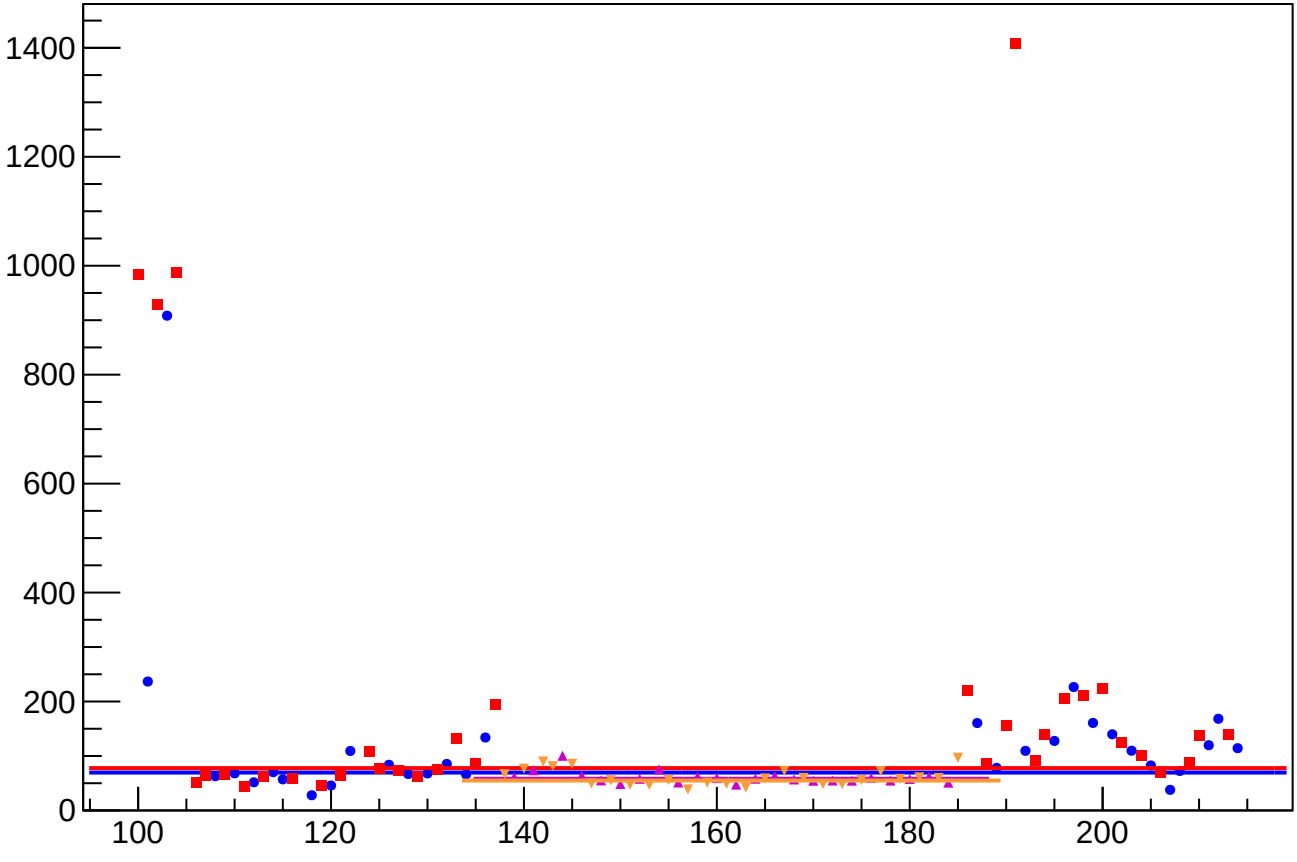
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 55.0/54

All: 0.010+/-0.009 χ^2/NDF: 103.9/111

- sign 0.011+/-0.012 χ^2/NDF: 48.9/56

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.579+/-0.015 χ^2/NDF: 7442290.2/29

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 77.732+/-0.016 χ^2/NDF: 6770244.8/33

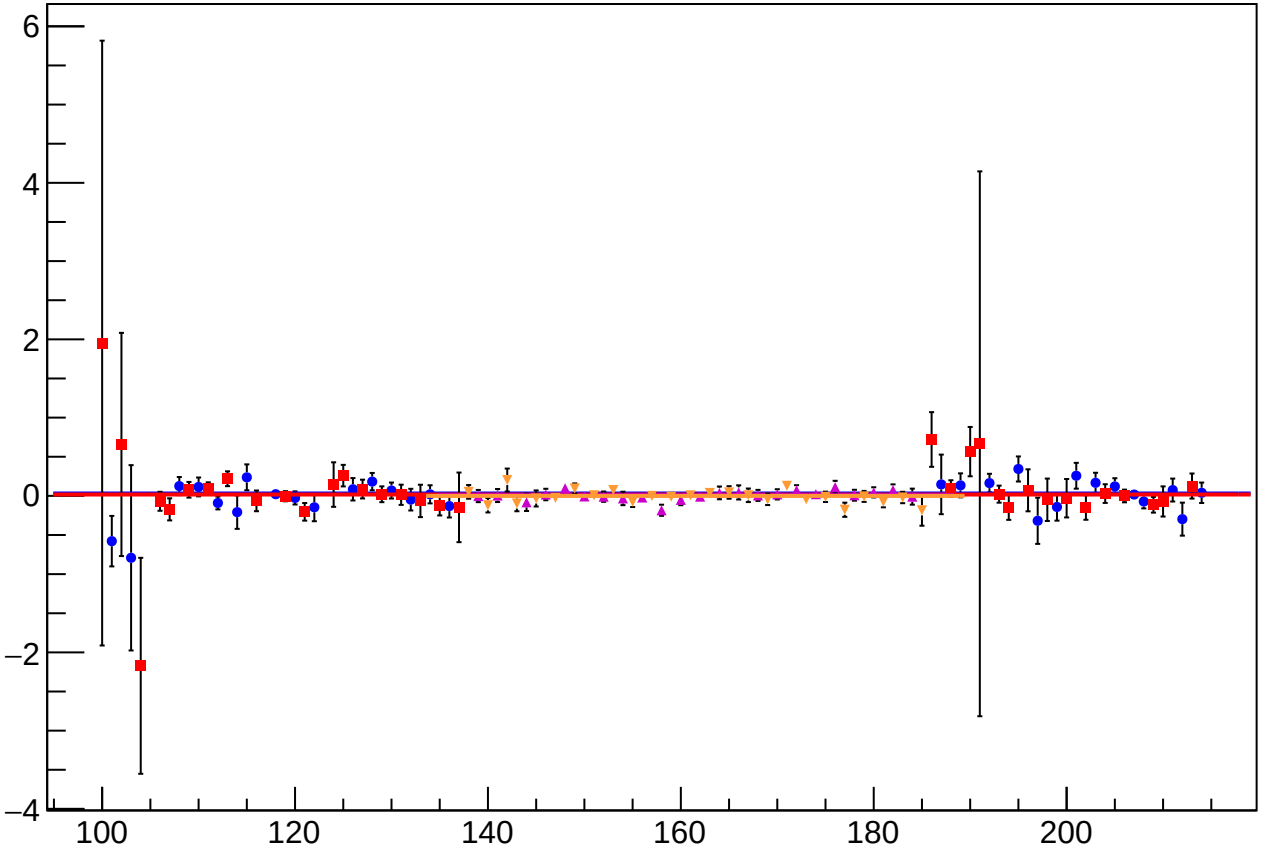
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 59.464+/-0.008 χ^2/NDF: 9408603.9/54

All: 61.640+/-0.006 χ^2/NDF: 18039611.4/111

- sign 64.074+/-0.009 χ^2/NDF: 8484689.4/56

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.030+/-0.021 χ^2/NDF: 31.0/29

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.023 χ^2/NDF: 33.2/33

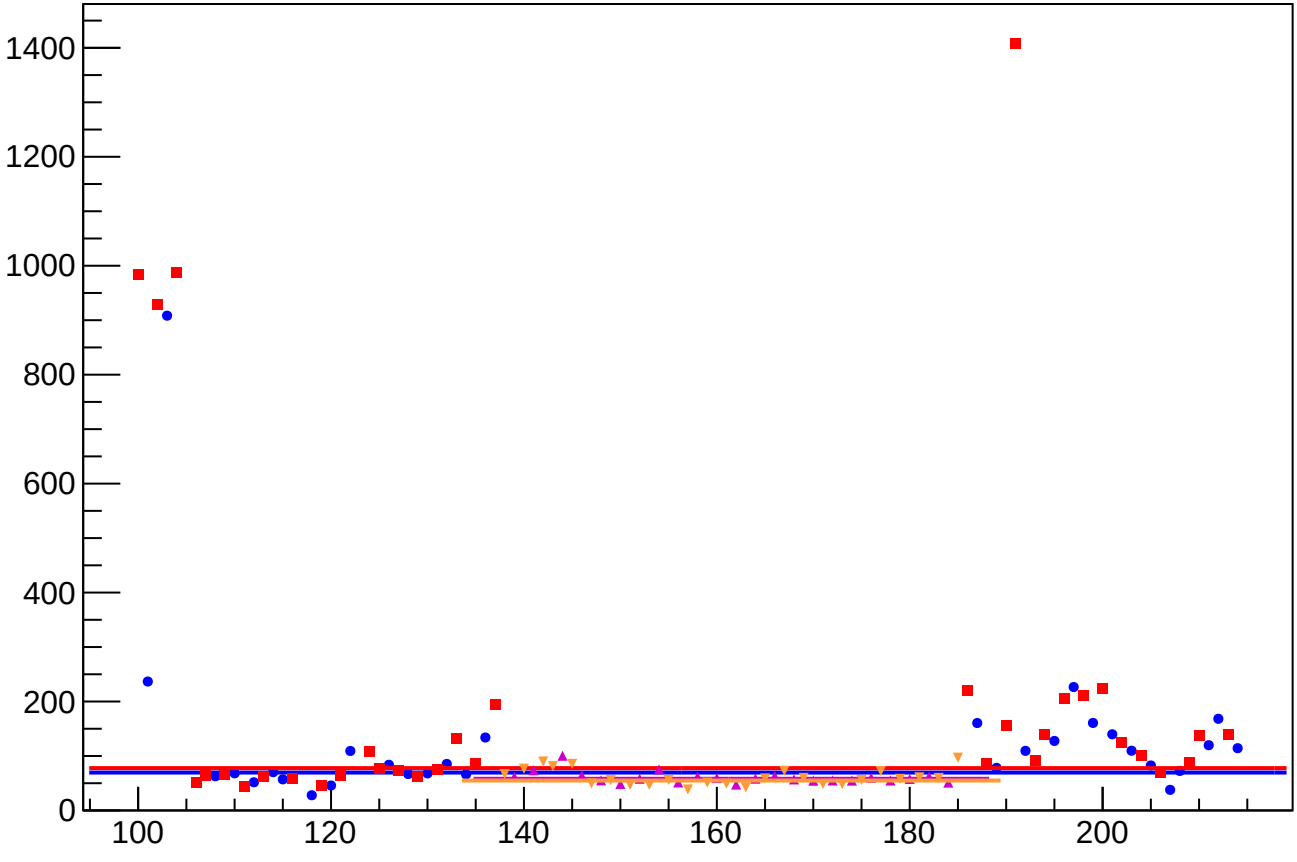
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.012 χ^2/NDF: 55.0/54

All: 0.010+/-0.009 χ^2/NDF: 103.9/111

- sign 0.011+/-0.012 χ^2/NDF: 48.9/56

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.579+/-0.015 χ^2/NDF: 7442290.2/29

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 77.732+/-0.016 χ^2/NDF: 6770244.8/33

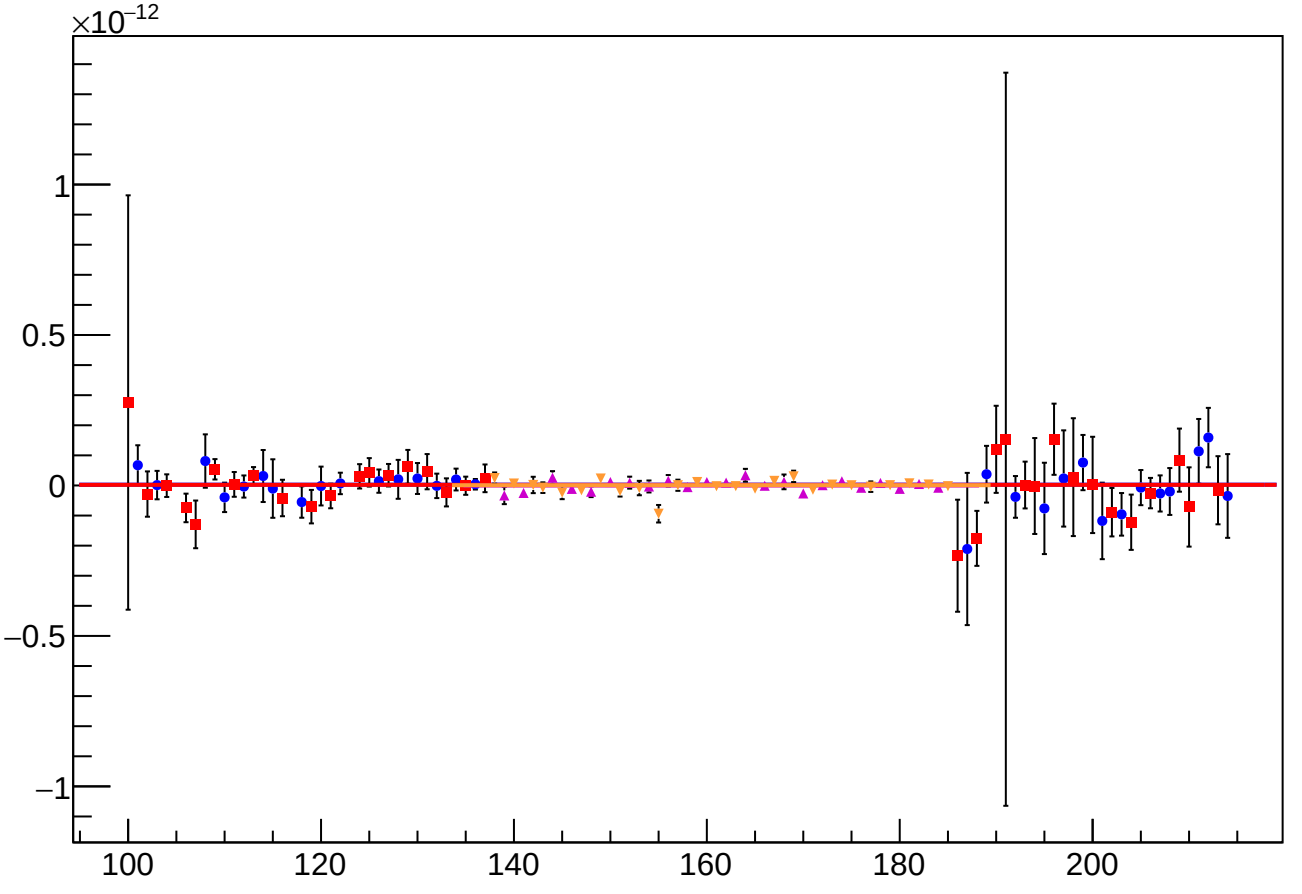
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 59.464+/-0.008 χ^2/NDF: 9408603.9/54

All: 61.640+/-0.006 χ^2/NDF: 18039611.4/111

- sign 64.074+/-0.009 χ^2/NDF: 8484689.4/56

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/33

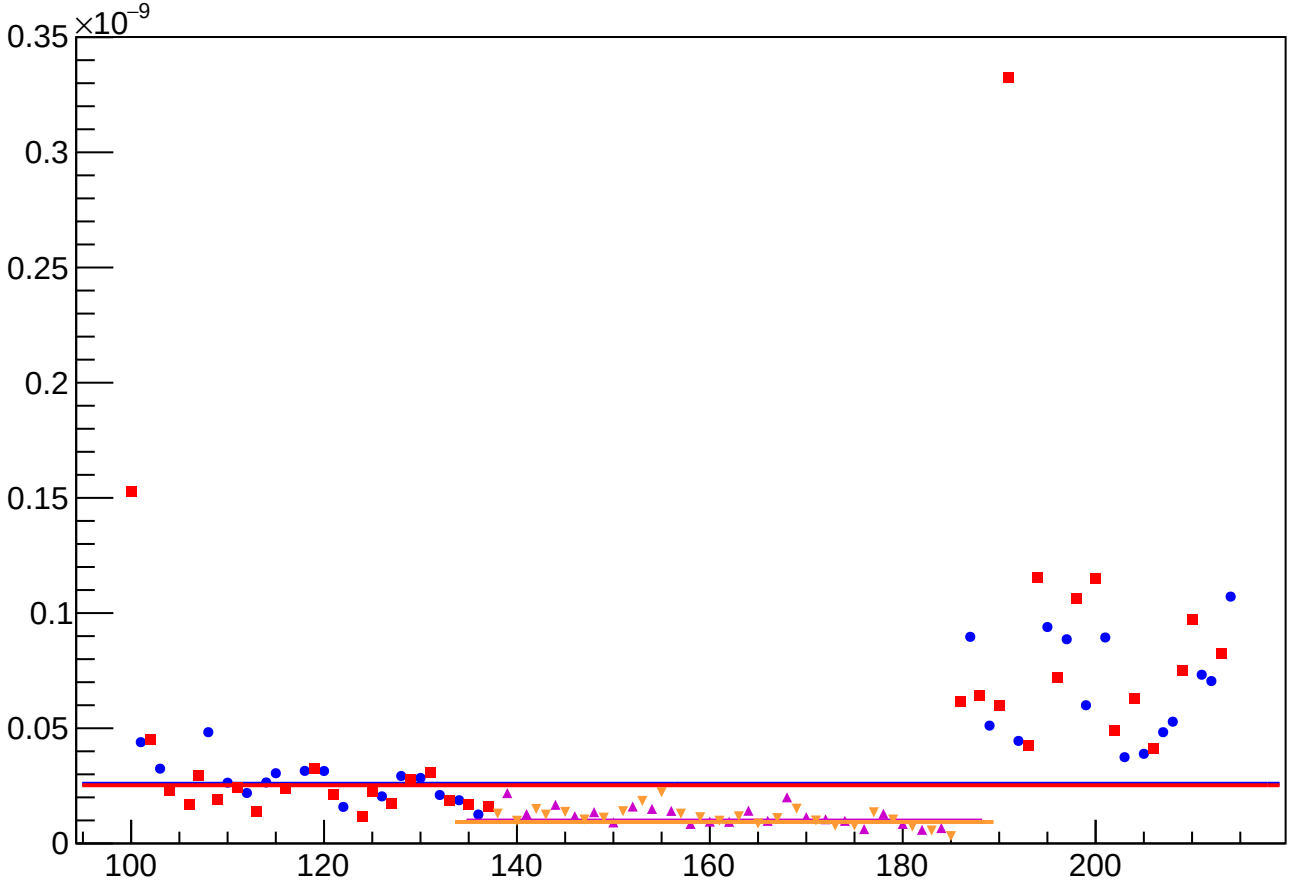
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.8/54

All: 0.000+/-0.000 χ^2/NDF: 87.6/111

- sign -0.000+/-0.000 χ^2/NDF: 48.8/56

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5906176.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6309311.0/33

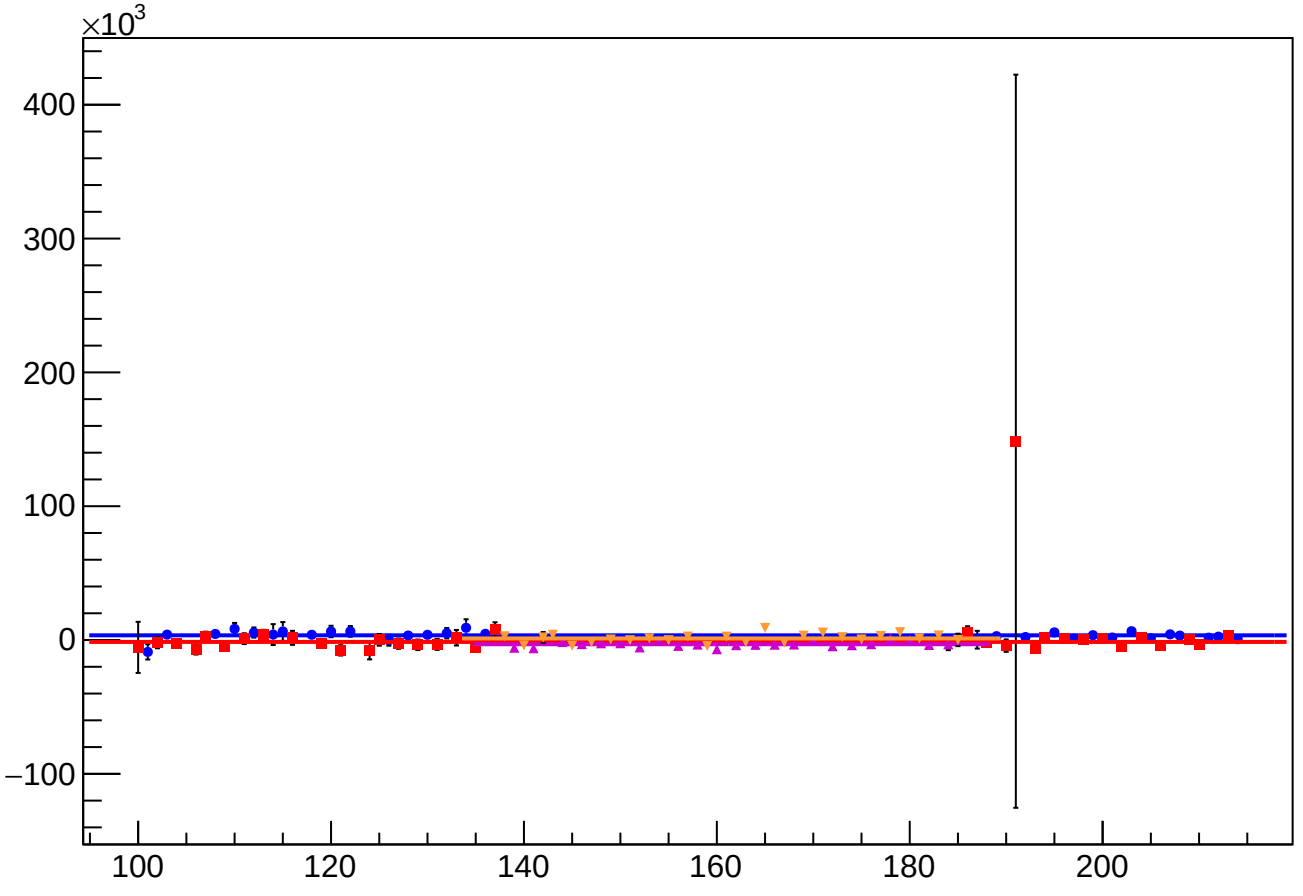
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14697740.6/54

All: 0.000+/-0.000 χ^2/NDF: 28436514.8/111

- sign 0.000+/-0.000 χ^2/NDF: 13679734.3/56

reg_asym_atr2_mean vs Slug



Right In: 3513.621+/-624.773 χ^2/NDF: 14.4/29

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1409.347+/-616.692 χ^2/NDF: 31.6/33

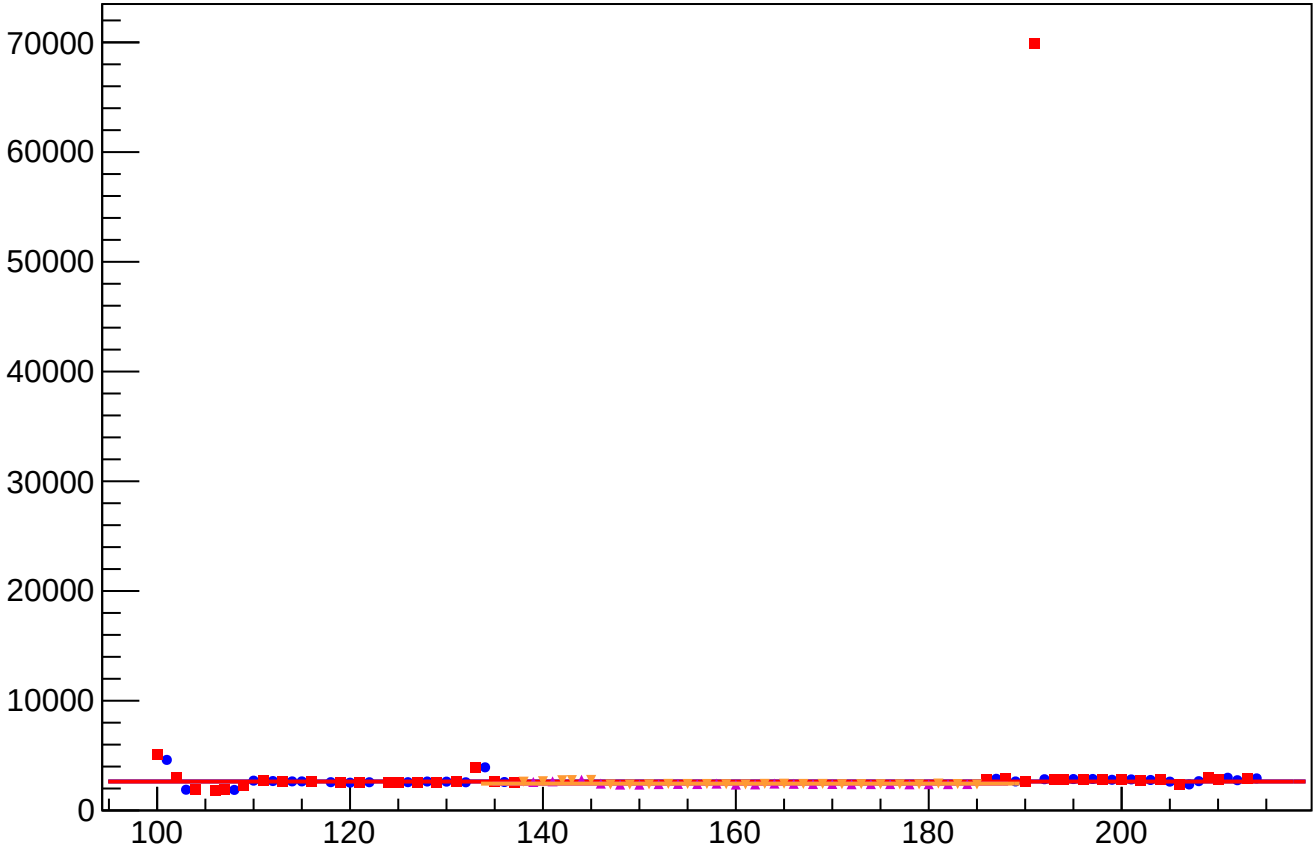
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2216.780+/-415.447 χ^2/NDF: 53.2/54

All: -50.039+/-294.761 χ^2/NDF: 161.7/111

- sign -2347.845+/-418.277 χ^2/NDF: 48.5/56

reg_asym_atr2_rms vs Slug



Right In: 2646.655+/-0.442 χ^2/NDF: 764629.3/29

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.602+/-0.436 χ^2/NDF: 803150.7/33

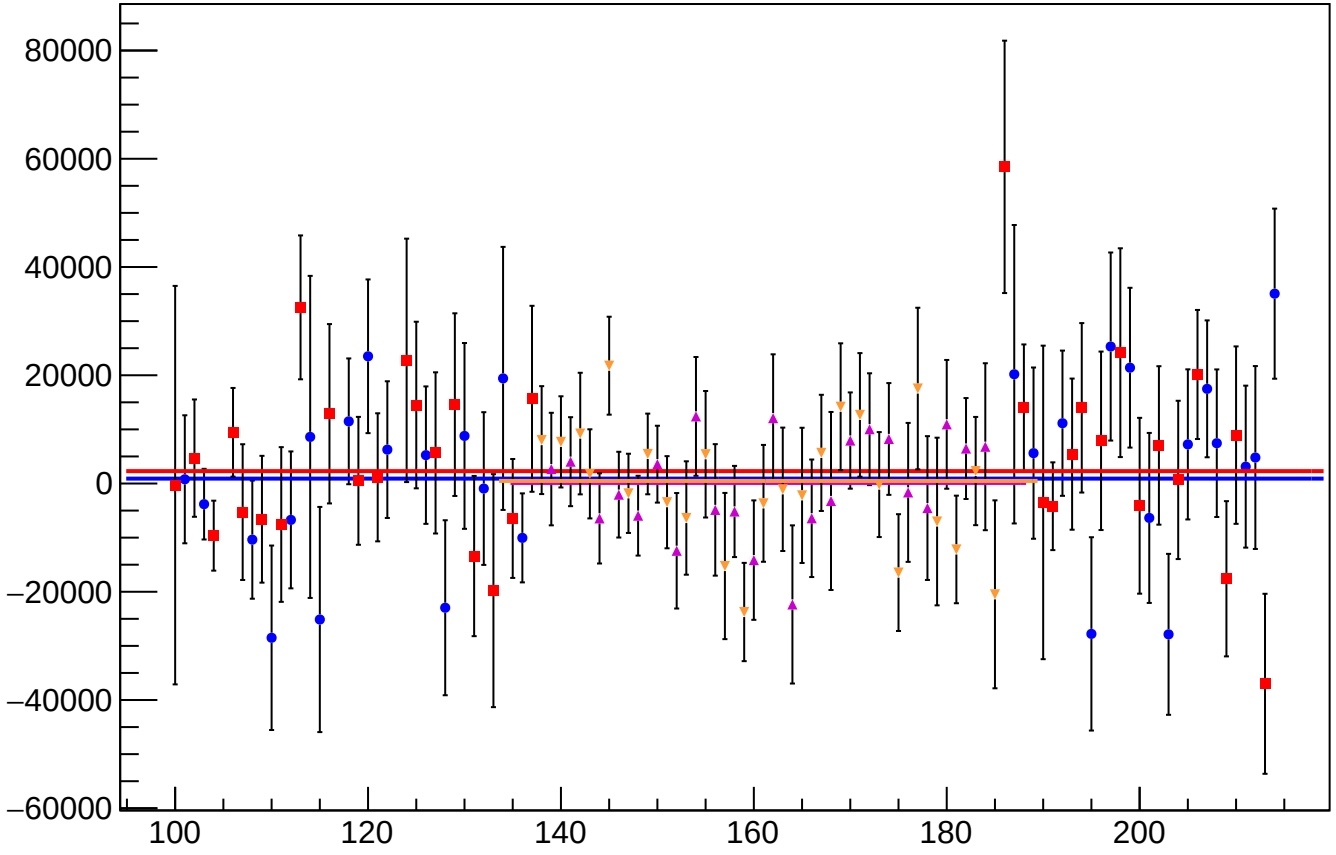
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2534.626+/-0.294 χ^2/NDF: 969922.0/54

All: 2530.778+/-0.208 χ^2/NDF: 1943541.3/11

- sign 2526.877+/-0.296 χ^2/NDF: 973273.8/56

asym_atr2_reg_correction_mean vs Slug



Right In: 905.581+/-2461.423 χ^2/NDF: 33.5/29

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 2290.405+/-2256.543 χ^2/NDF: 36.4/33

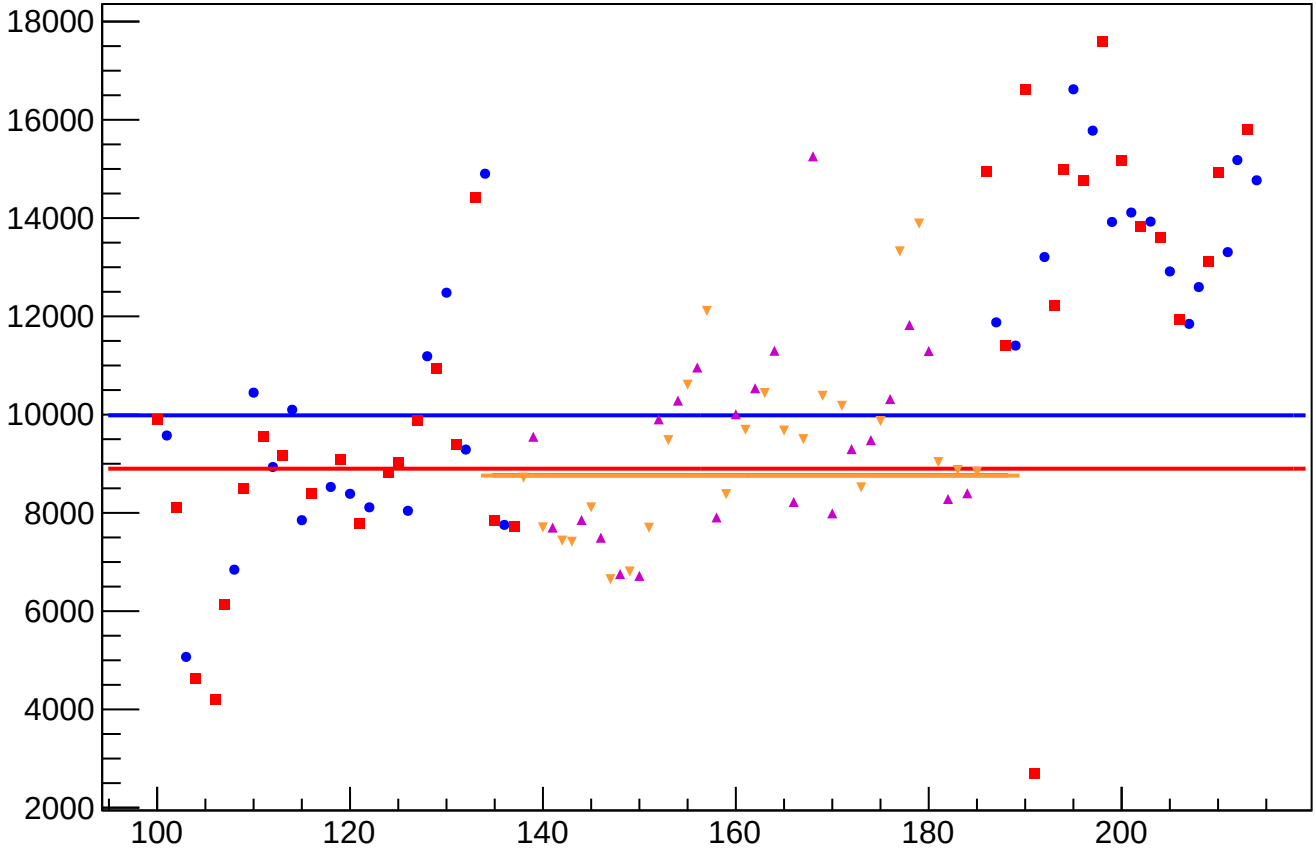
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 651.217+/-1568.834 χ^2/NDF: 61.0/54

All: 888.119+/-1096.704 χ^2/NDF: 112.4/111

- sign 1114.531+/-1533.709 χ^2/NDF: 51.4/56

asym_atr2_reg_correction_rms vs Slug



Right In: 9985.295+/-1.740 χ^2/NDF: 3513437.8/29

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8899.648+/-1.596 χ^2/NDF: 6132433.8/33

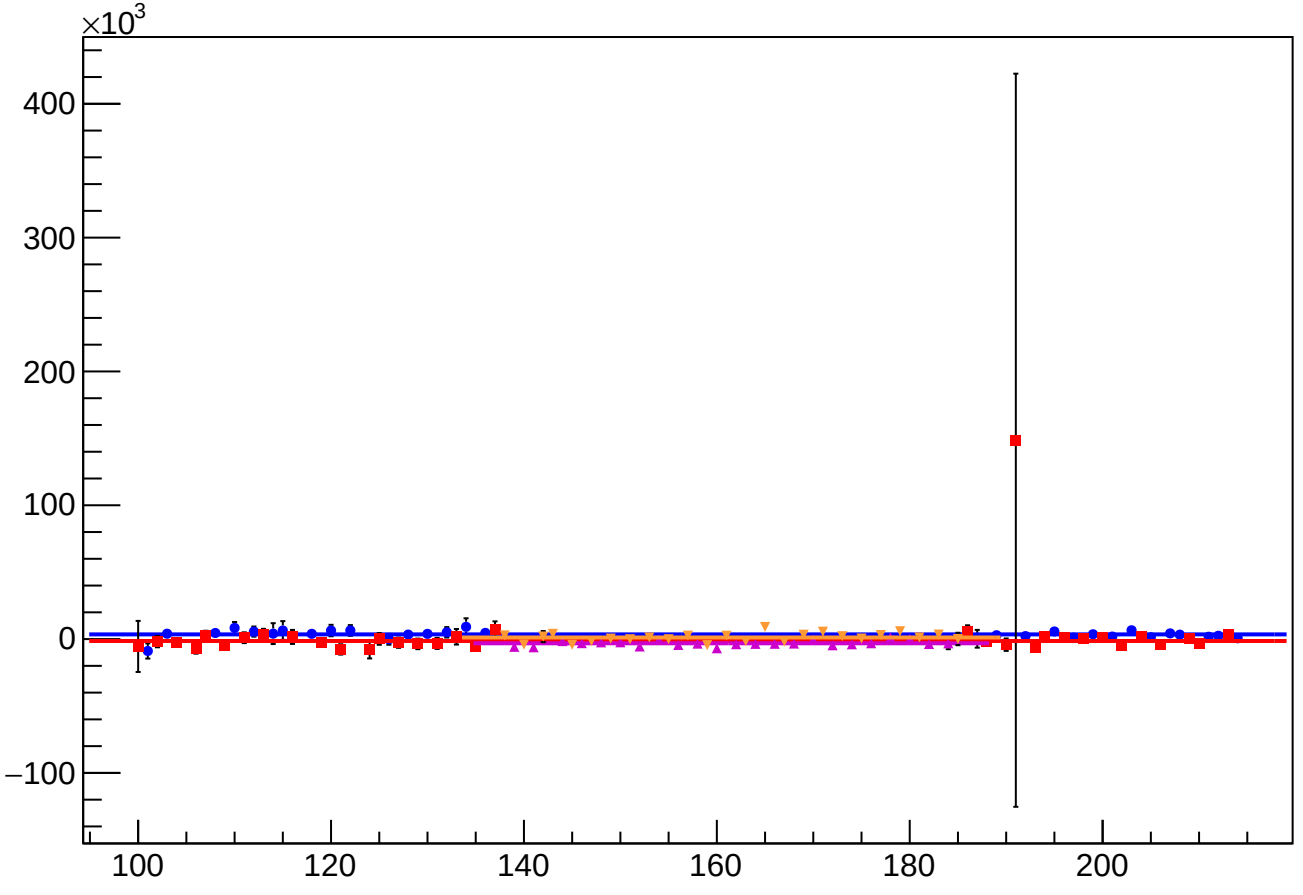
Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9257.546+/-1.109 χ^2/NDF: 5030124.4/54

All: 9037.265+/-0.775 χ^2/NDF: 12535252.5/1

- sign 8826.737+/-1.084 χ^2/NDF: 7428013.3/56

cor_asym_atr2_mean vs Slug



Right In: 3513.519+/-624.773 χ^2/NDF: 14.4/29

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1409.702+/-616.694 χ^2/NDF: 31.6/33

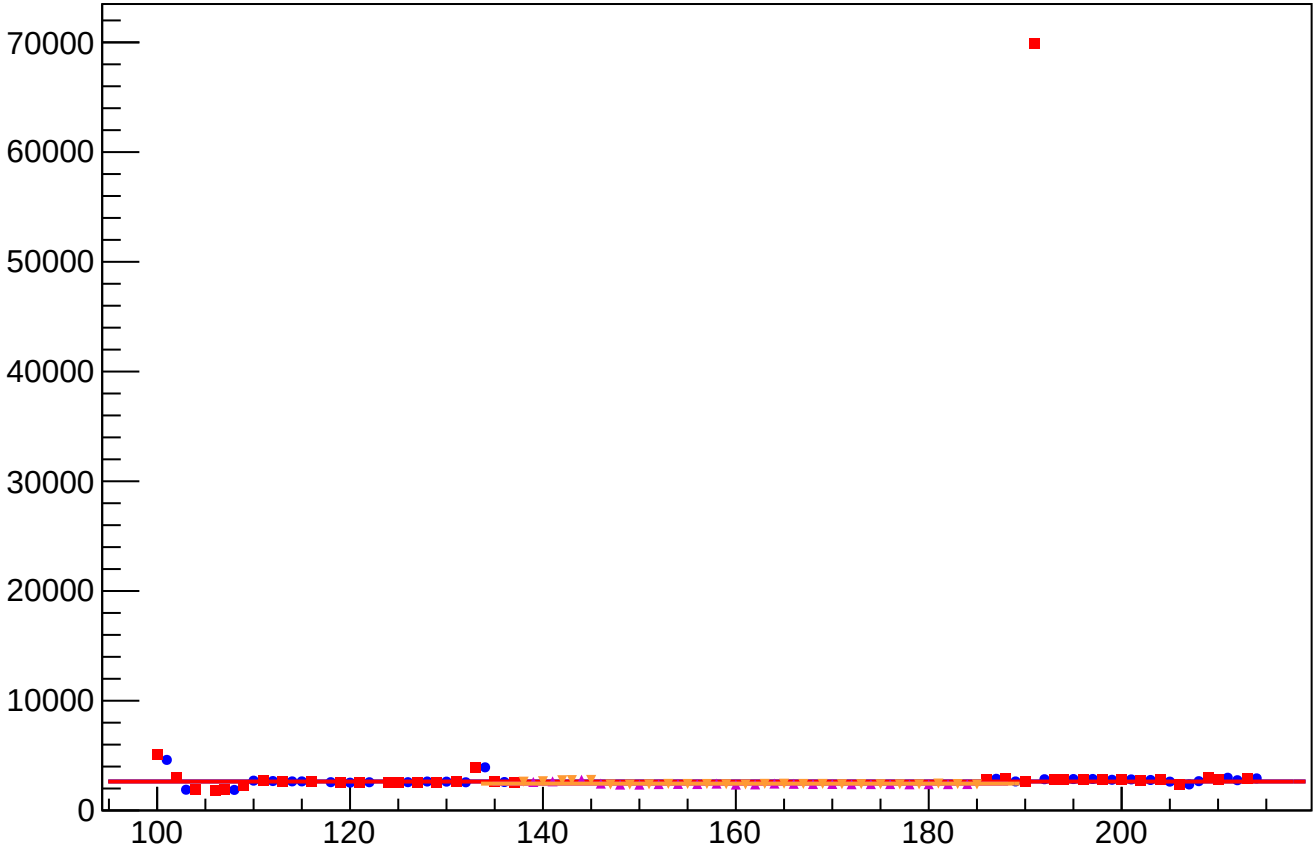
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2216.640+/-415.447 χ^2/NDF: 53.2/54

All: -50.135+/-294.761 χ^2/NDF: 161.7/111

- sign -2347.905+/-418.278 χ^2/NDF: 48.5/56

cor_asym_atr2_rms vs Slug



Right In: 2646.656+/-0.442 χ^2/NDF: 764626.4/29

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.614+/-0.436 χ^2/NDF: 803074.0/33

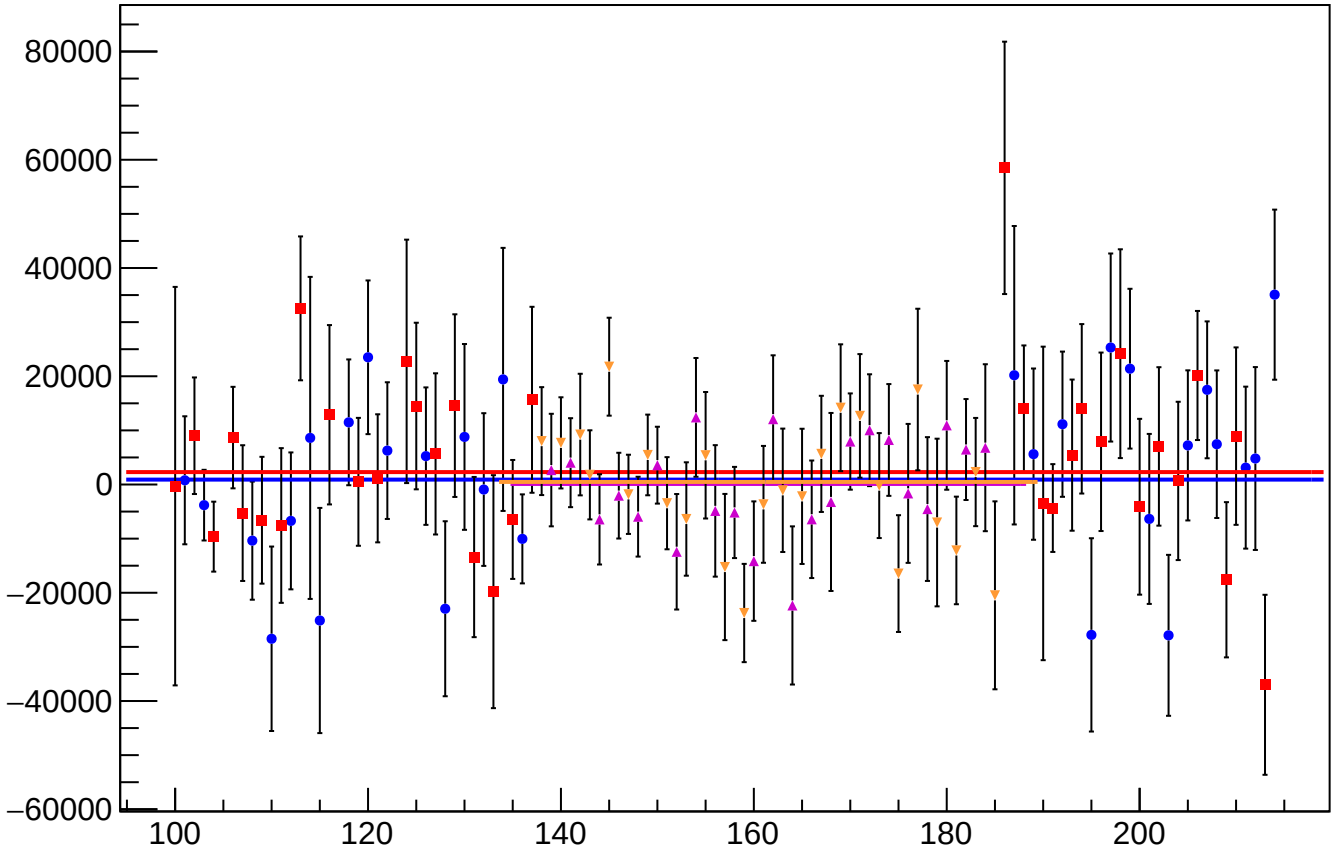
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2534.626+/-0.294 χ^2/NDF: 969919.6/54

All: 2530.781+/-0.208 χ^2/NDF: 1943475.0/11

- sign 2526.882+/-0.296 χ^2/NDF: 973210.3/56

asym_atr2_cor_correction_mean vs Slug



Right In: 905.971+/-2461.468 χ^2/NDF: 33.5/29

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2294.940+/-2276.652 χ^2/NDF: 36.5/33

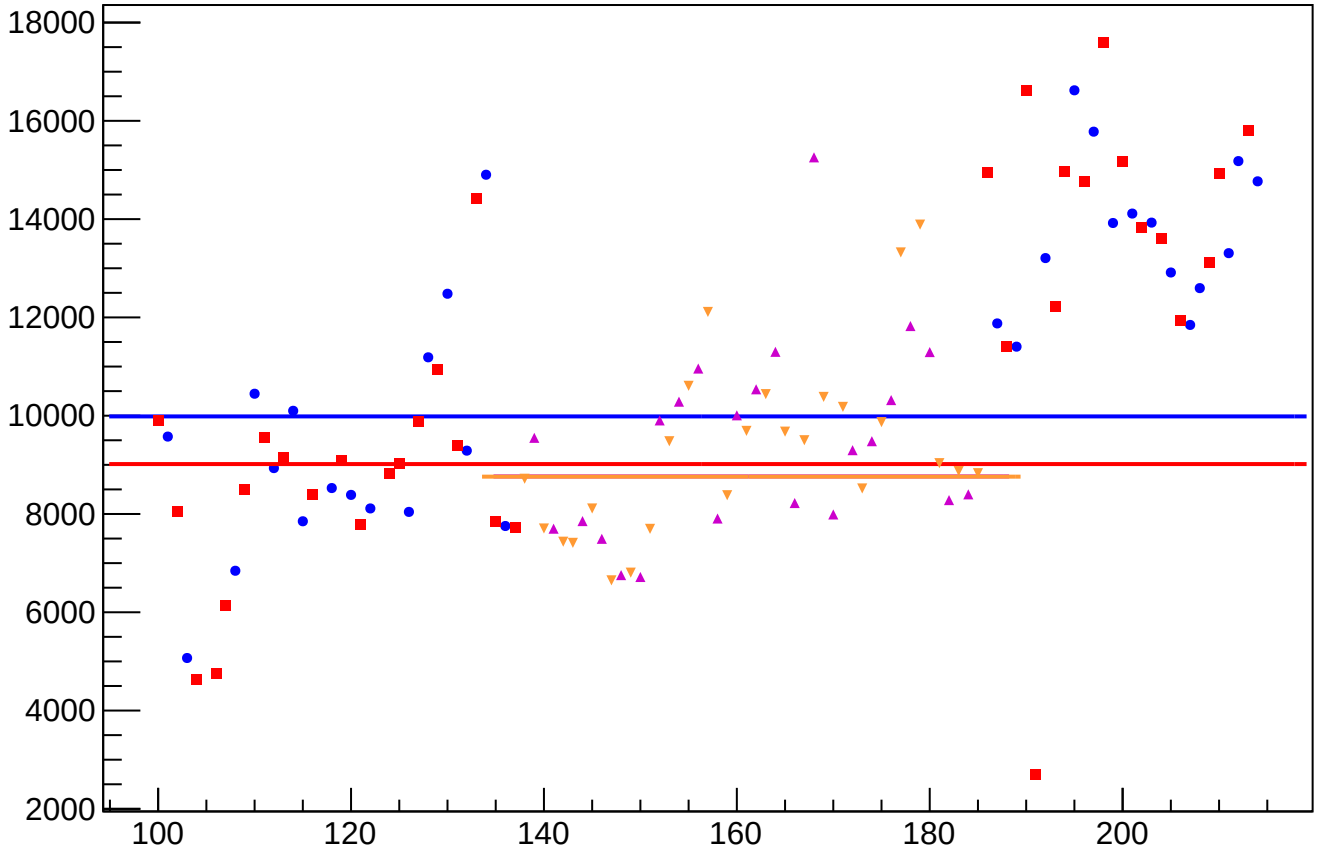
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 651.379+/-1568.845 χ^2/NDF: 61.0/54

All: 883.426+/-1098.992 χ^2/NDF: 112.5/111

- sign 1107.012+/-1539.977 χ^2/NDF: 51.5/56

asym_atr2_cor_correction_rms vs Slug



Right In: 9985.576+/-1.741 χ^2/NDF: 3512812.1/29

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9015.771+/-1.610 χ^2/NDF: 5858337.4/33

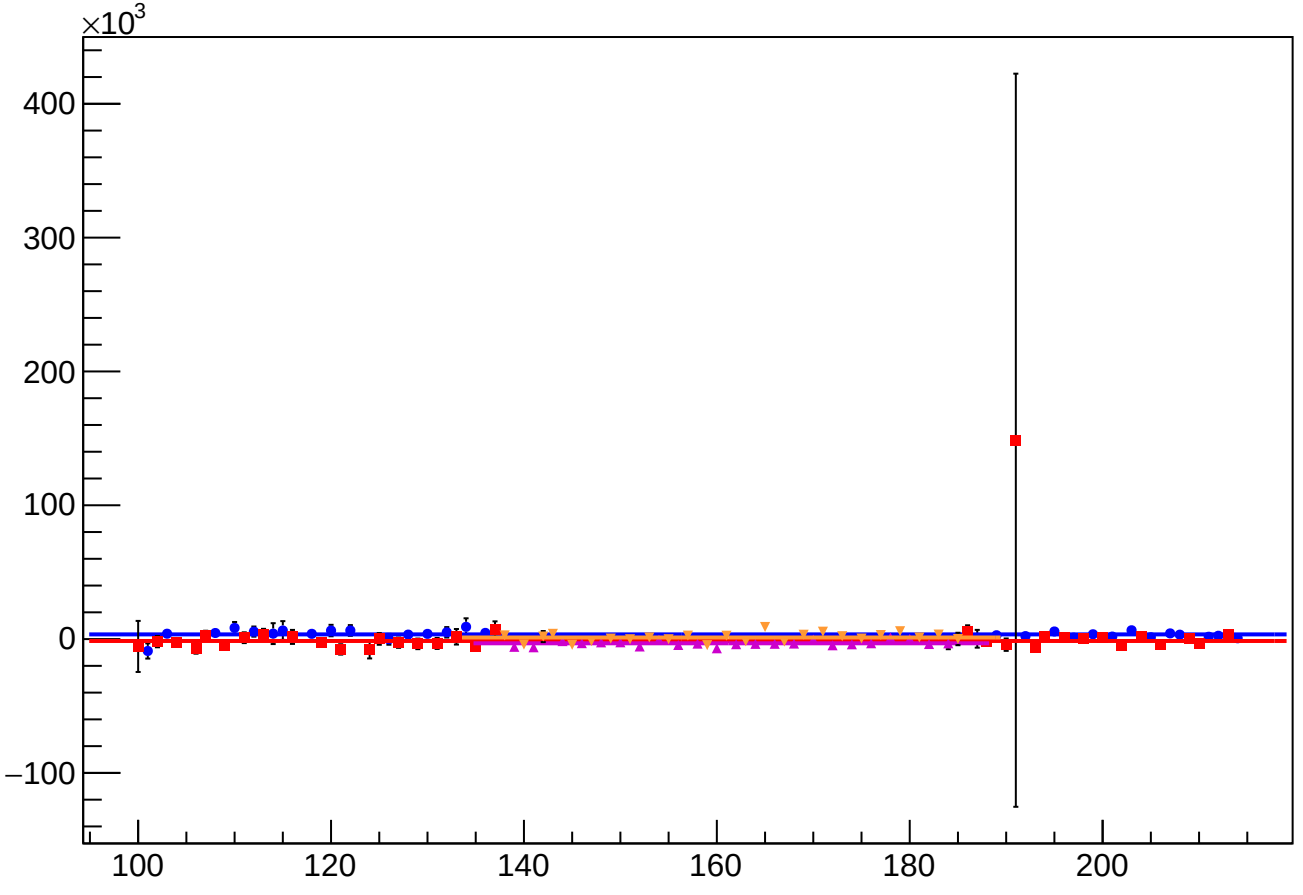
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9257.643+/-1.109 χ^2/NDF: 5029642.8/54

All: 9064.942+/-0.777 χ^2/NDF: 12252182.6/1

- sign 8879.269+/-1.089 χ^2/NDF: 7163292.0/56

eigen_cor_asym_atr2_mean vs Slug



Right In: 3513.519+/-624.773 χ^2/NDF: 14.4/29

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1409.702+/-616.694 χ^2/NDF: 31.6/33

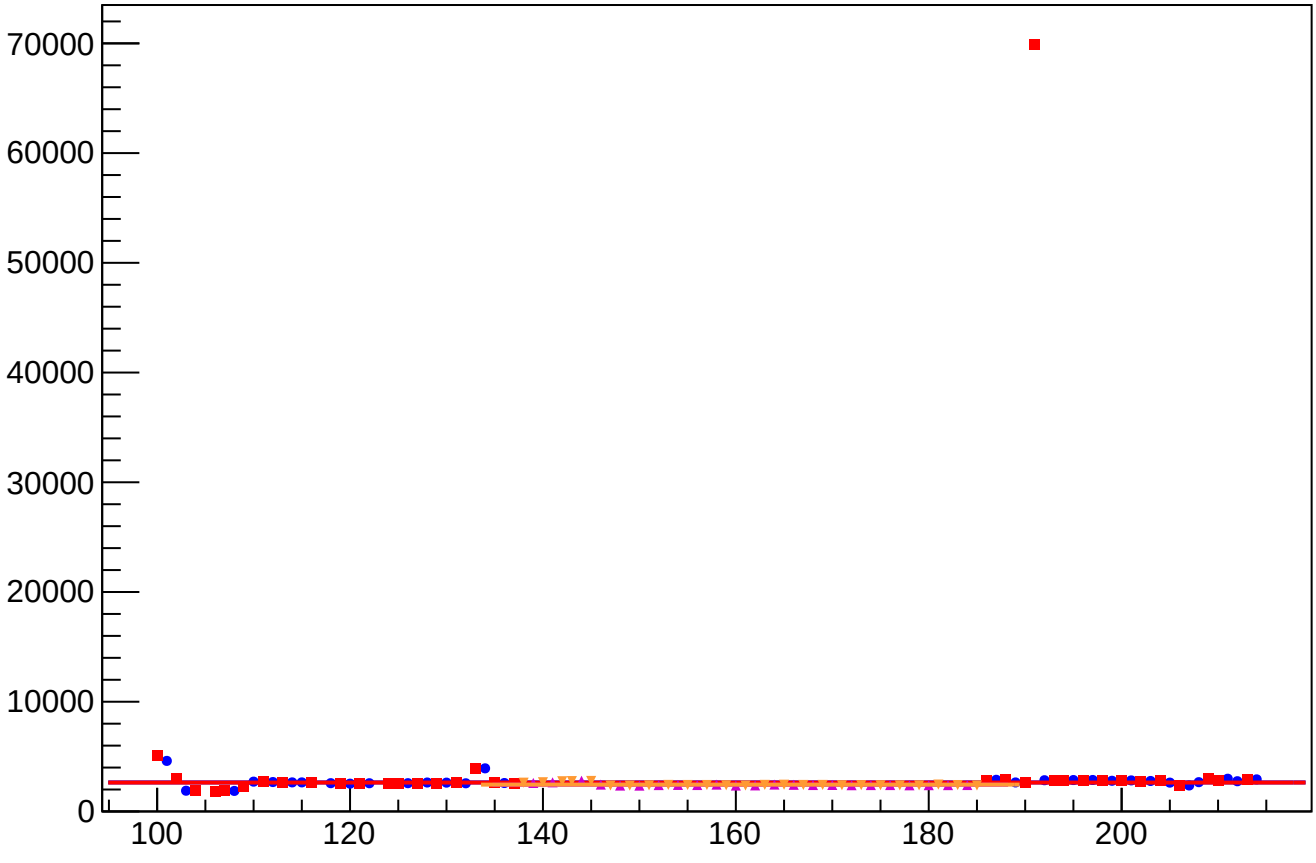
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2216.640+/-415.447 χ^2/NDF: 53.2/54

All: -50.135+/-294.761 χ^2/NDF: 161.7/111

- sign -2347.905+/-418.278 χ^2/NDF: 48.5/56

eigen_cor_asym_atr2_rms vs Slug



Right In: 2646.656+/-0.442 χ^2/NDF: 764626.4/29

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2633.614+/-0.436 χ^2/NDF: 803074.0/33

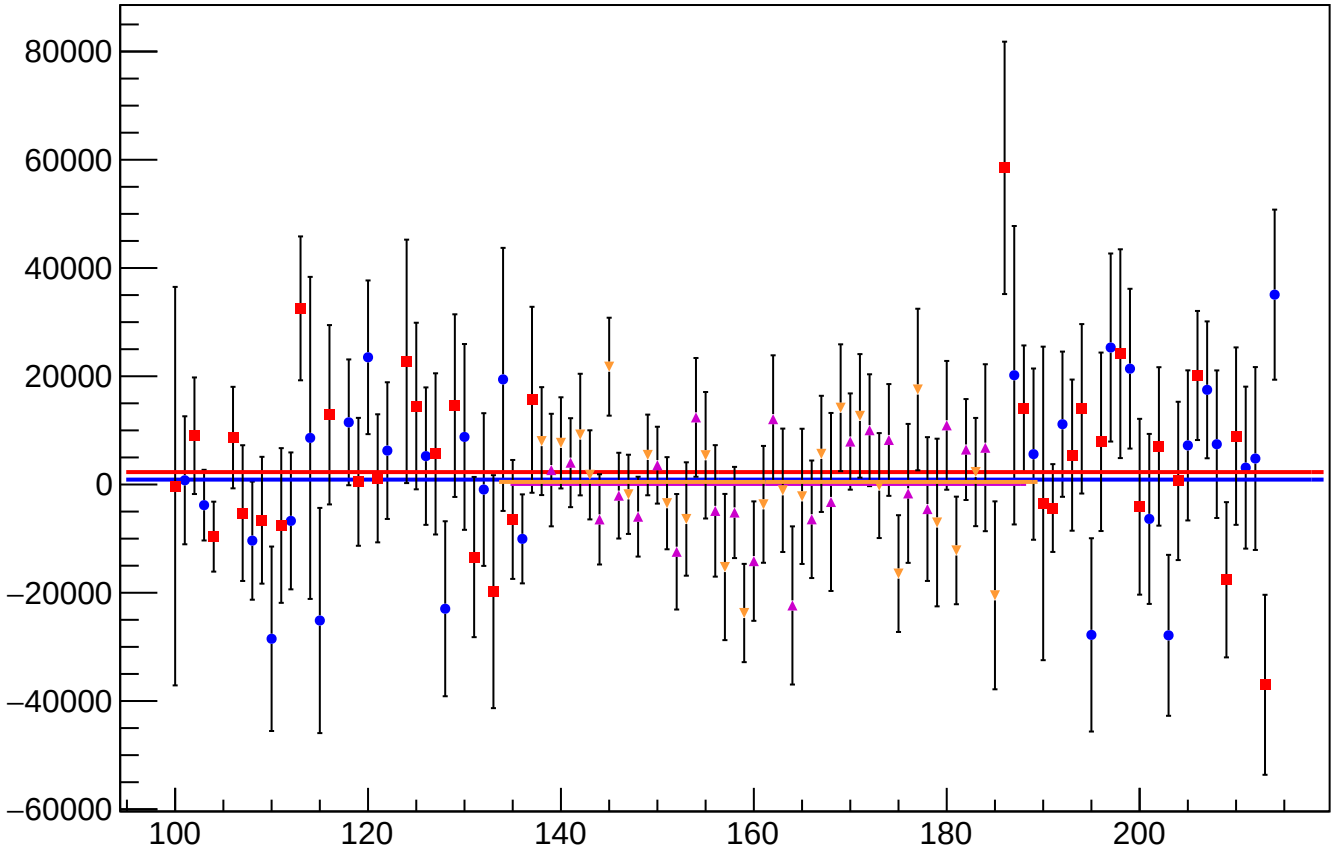
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2534.626+/-0.294 χ^2/NDF: 969919.6/54

All: 2530.781+/-0.208 χ^2/NDF: 1943475.0/11

- sign 2526.882+/-0.296 χ^2/NDF: 973210.3/56

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 905.971+/-2461.468 χ^2/NDF: 33.5/29

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 2294.940+/-2276.652 χ^2/NDF: 36.5/33

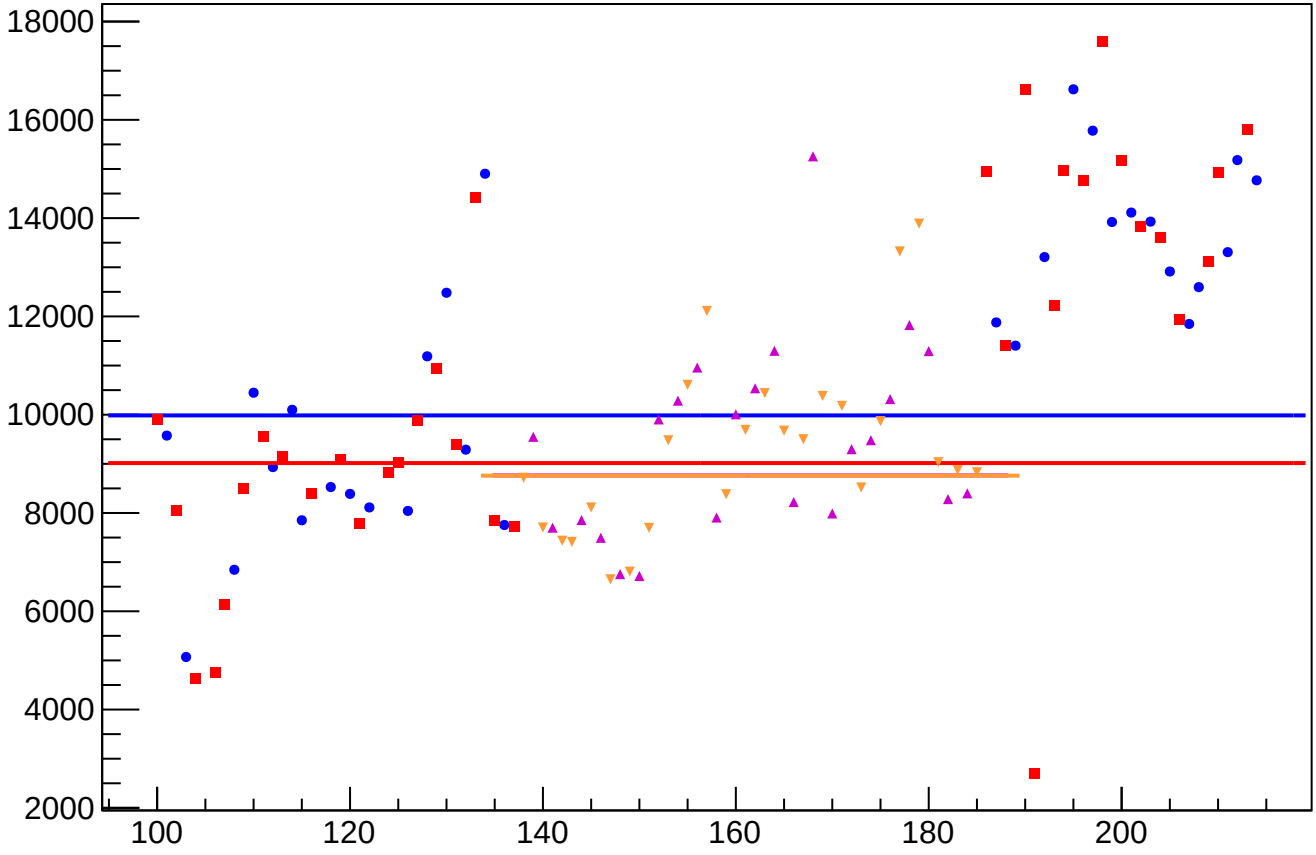
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 651.379+/-1568.845 χ^2/NDF: 61.0/54

All: 883.426+/-1098.992 χ^2/NDF: 112.5/111

- sign 1107.012+/-1539.977 χ^2/NDF: 51.5/56

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9985.576+/-1.741 χ^2/NDF: 3512812.1/29

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9015.771+/-1.610 χ^2/NDF: 5858337.4/33

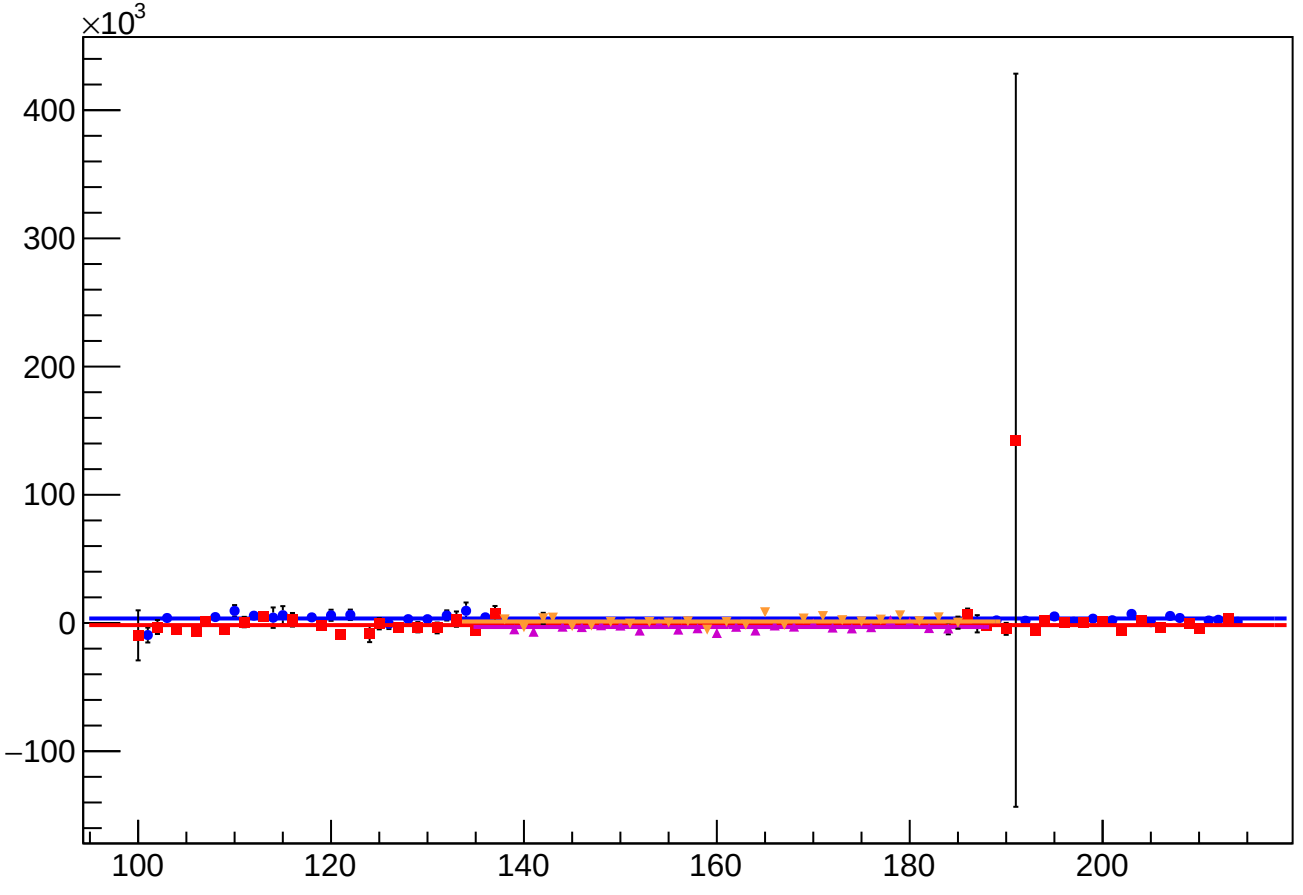
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9257.643+/-1.109 χ^2/NDF: 5029642.8/54

All: 9064.942+/-0.777 χ^2/NDF: 12252182.6/1

- sign 8879.269+/-1.089 χ^2/NDF: 7163292.0/56

dit_asym_atr2_mean vs Slug



Right In: 3522.519+/-641.872 χ^2/NDF: 16.5/29

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1648.285+/-635.926 χ^2/NDF: 35.8/33

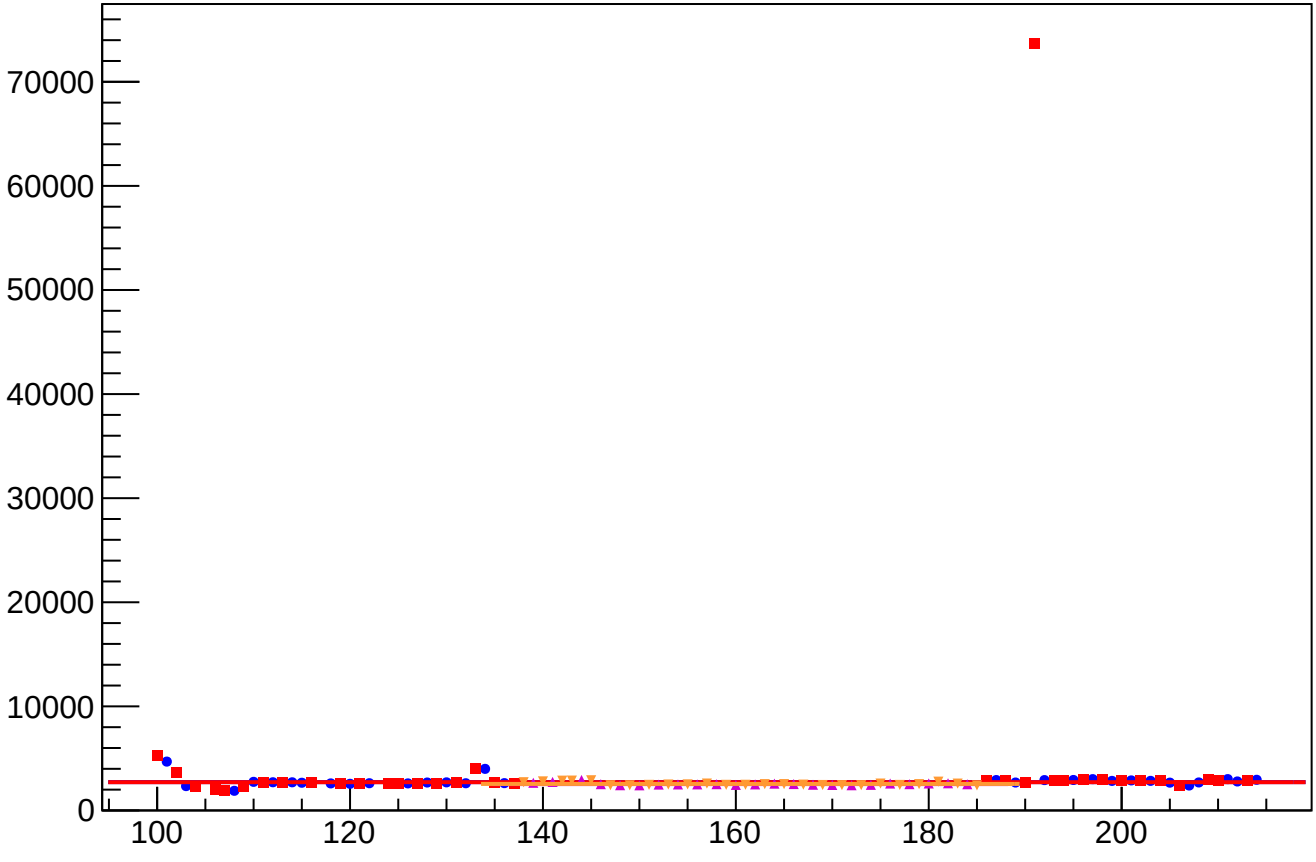
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2250.988+/-430.213 χ^2/NDF: 50.5/54

All: -83.810+/-305.310 χ^2/NDF: 165.0/111

- sign -2452.789+/-433.350 χ^2/NDF: 55.2/56

dit_asym_atr2_rms vs Slug



Right In: 2724.378+/-0.454 χ^2/NDF: 611542.7/29

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2715.248+/-0.450 χ^2/NDF: 696909.9/33

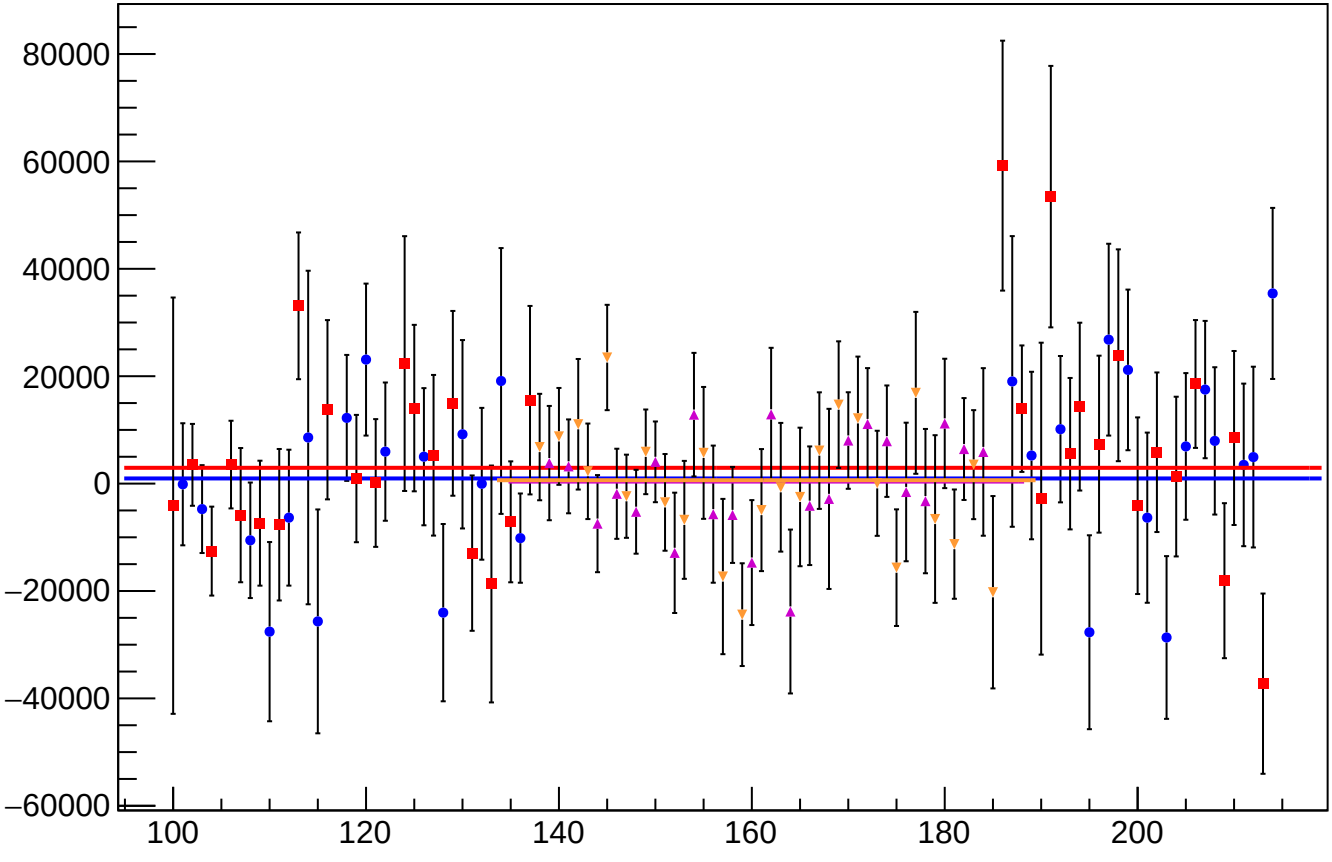
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2626.768+/-0.304 χ^2/NDF: 812815.2/54

All: 2622.183+/-0.216 χ^2/NDF: 1666853.0/11

- sign 2617.532+/-0.306 χ^2/NDF: 853580.1/56

asym_atr2_dit_correction_mean vs Slug



Right In: 959.919+/-2536.282 χ^2/NDF: 33.4/29

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2941.185+/-2354.218 χ^2/NDF: 38.7/33

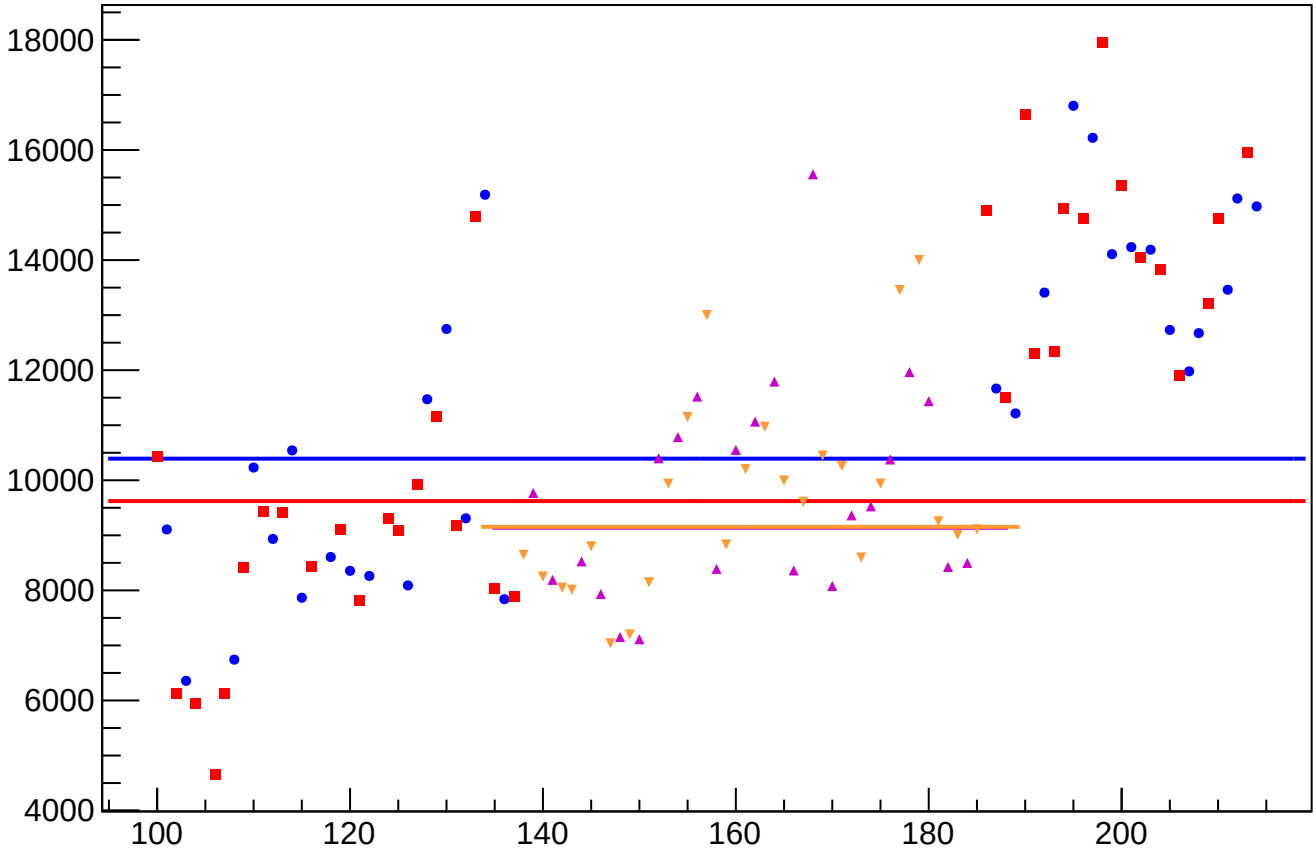
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 766.731+/-1627.998 χ^2/NDF: 60.0/54

All: 1170.246+/-1140.450 χ^2/NDF: 113.8/111

- sign 1559.074+/-1598.096 χ^2/NDF: 53.6/56

asym_atr2_dit_correction_rms vs Slug



Right In: 10392.784+/-1.793 χ^2/NDF: 2816474.5/29

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9622.165+/-1.665 χ^2/NDF: 4400588.7/33

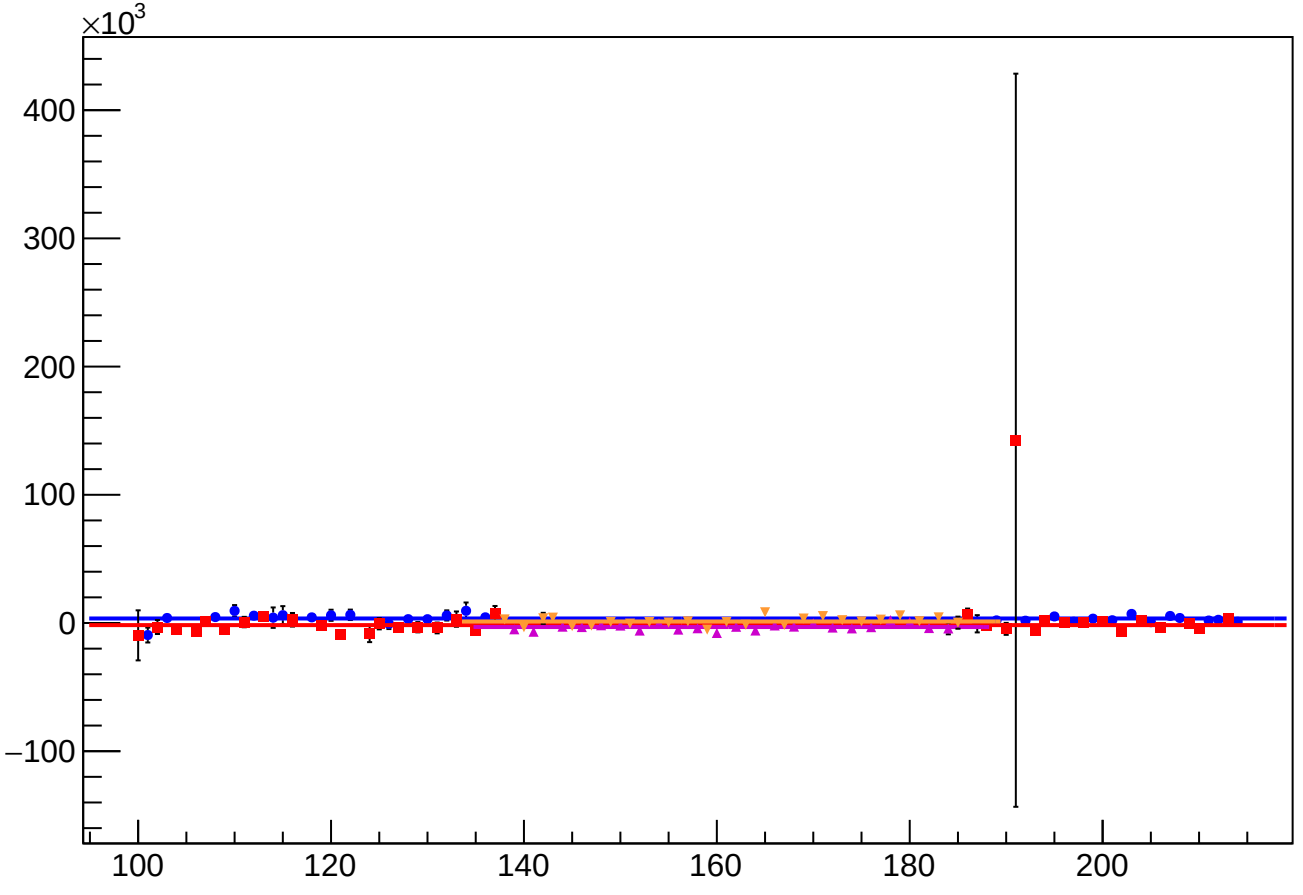
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9664.802+/-1.151 χ^2/NDF: 4168775.3/54

All: 9510.022+/-0.806 χ^2/NDF: 9823345.7/11

- sign 9360.875+/-1.130 χ^2/NDF: 5619072.1/56

eigen_dit_asym_atr2_mean vs Slug



Right In: 3522.514+/-641.872 χ^2/NDF: 16.5/29

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1648.287+/-635.926 χ^2/NDF: 35.8/33

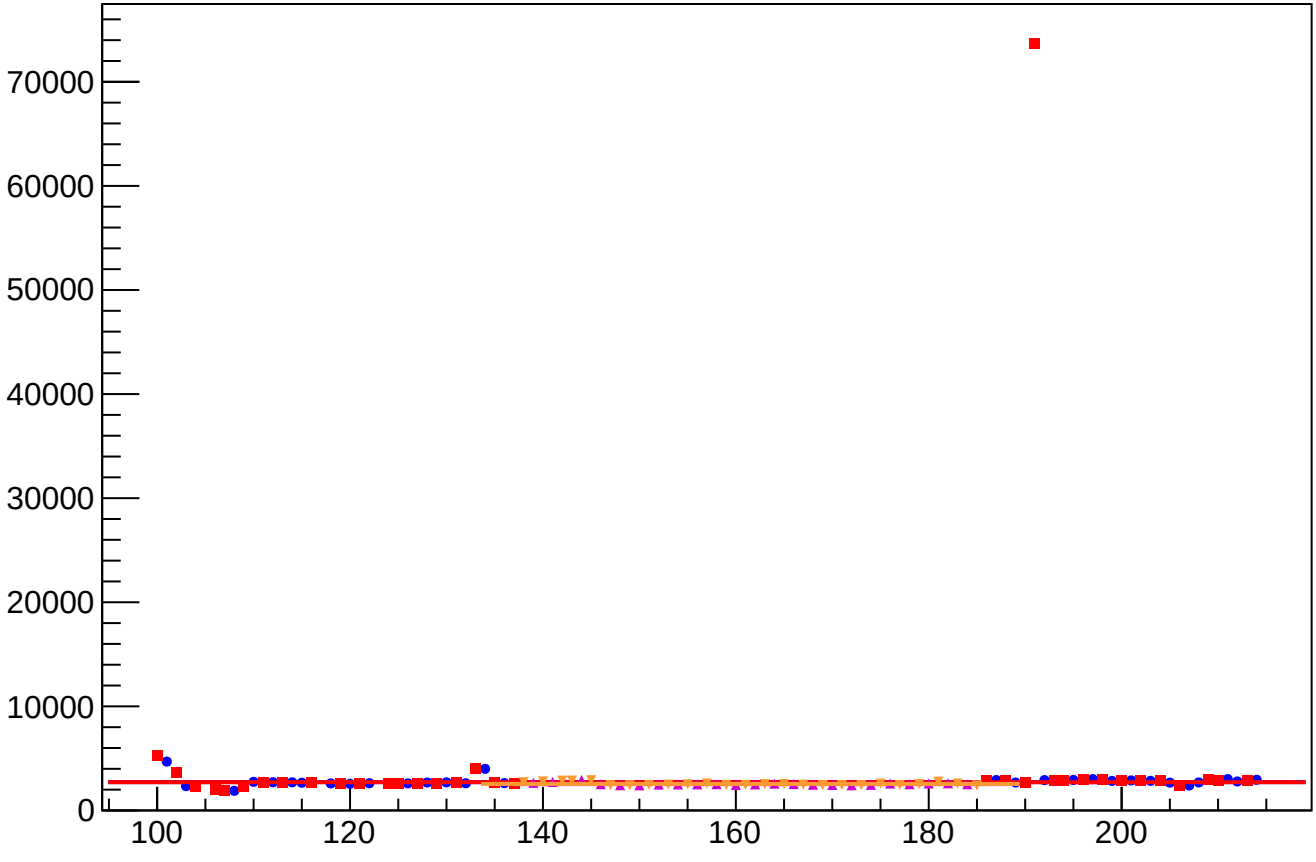
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2250.981+/-430.213 χ^2/NDF: 50.5/54

All: -83.813+/-305.310 χ^2/NDF: 165.0/111

- sign -2452.789+/-433.350 χ^2/NDF: 55.2/56

eigen_dit_asym_atr2_rms vs Slug



Right In: 2724.377+/-0.454 χ^2/NDF: 611543.5/29

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

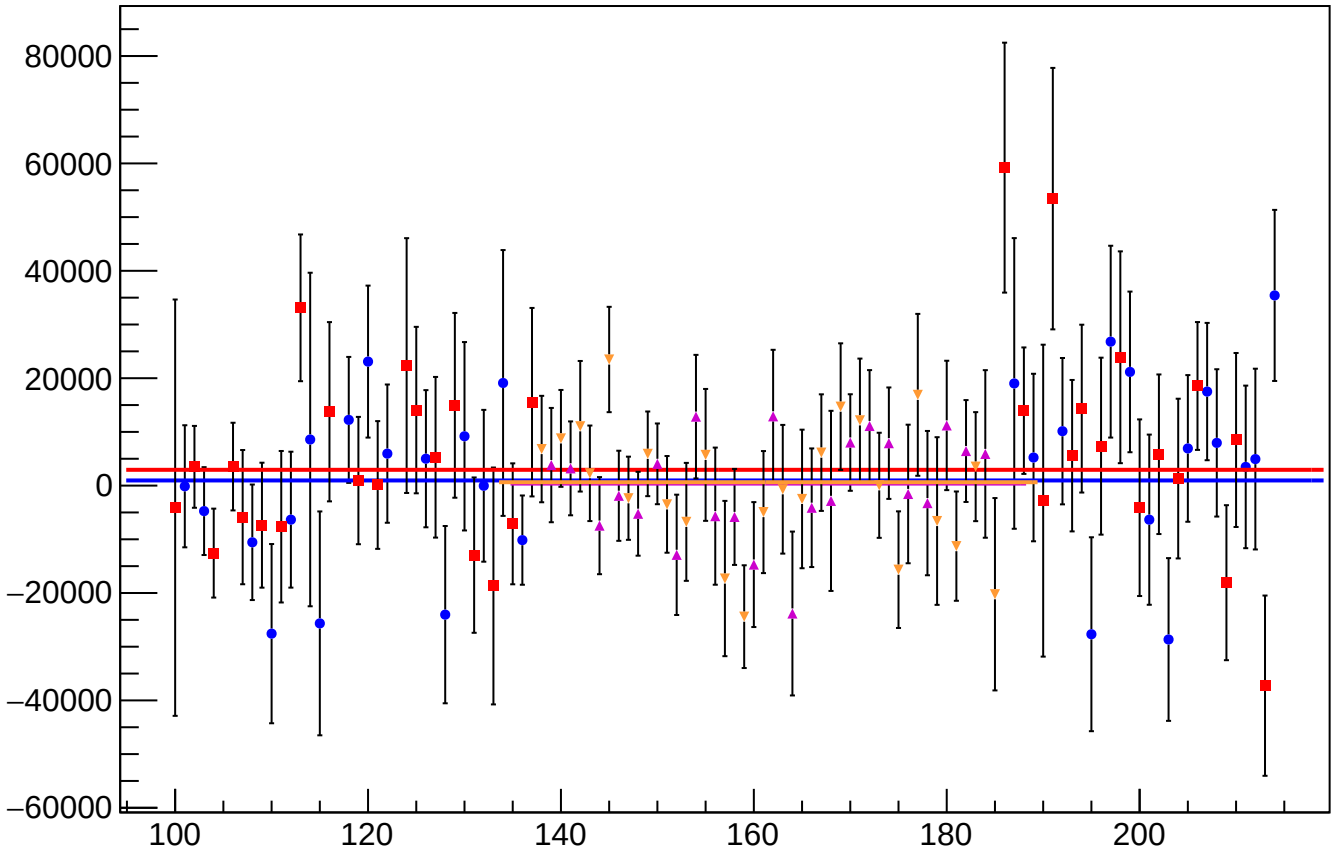
Right Out: 2715.248+/-0.450 χ^2/NDF: 696909.8/33

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2626.769+/-0.304 χ^2/NDF: 812814.0/54

All: 2622.184+/-0.216 χ^2/NDF: 1666849.6/11

- sign 2617.533+/-0.306 χ^2/NDF: 853577.9/56



Right In: 959.933+/-2536.281 χ^2/NDF: 33.4/29

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2941.177+/-2354.217 χ^2/NDF: 38.7/33

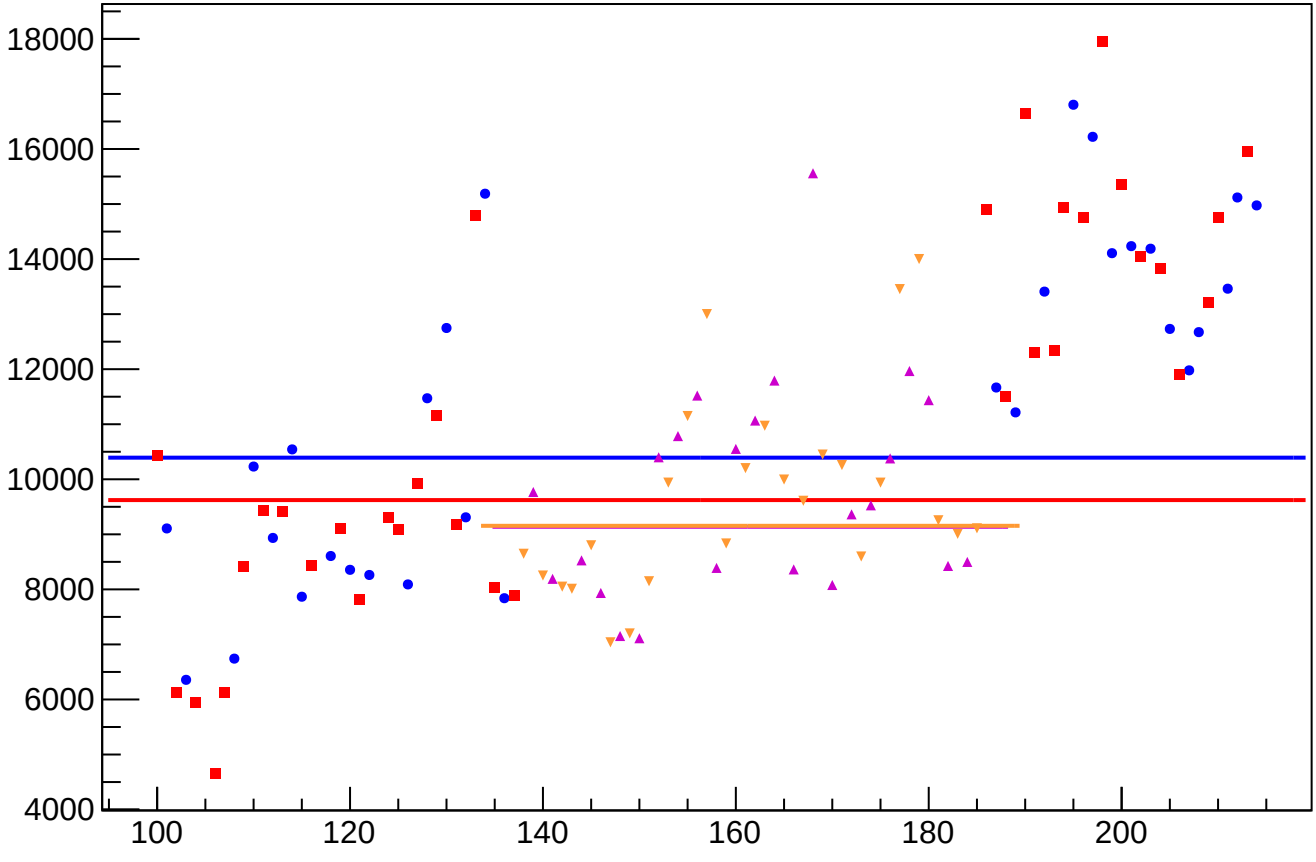
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign 766.735+/-1627.999 χ^2/NDF: 60.0/54

All: 1170.248+/-1140.450 χ^2/NDF: 113.8/111

- sign 1559.076+/-1598.097 χ^2/NDF: 53.6/56

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10392.778+/-1.793 χ^2/NDF: 2816490.6/29

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9622.155+/-1.665 χ^2/NDF: 4400610.4/33

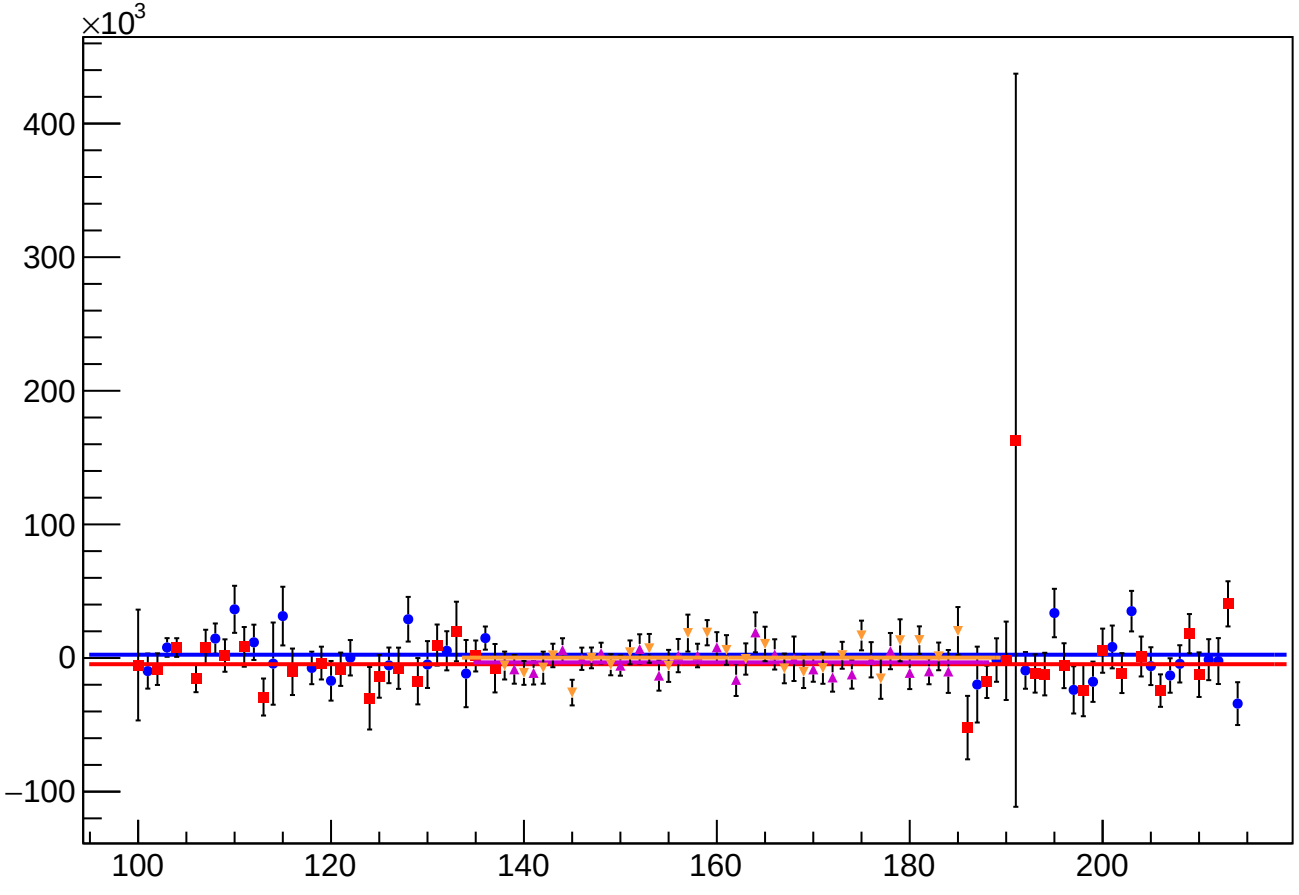
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9664.809+/-1.151 χ^2/NDF: 4168784.0/54

All: 9510.027+/-0.806 χ^2/NDF: 9823376.3/11

- sign 9360.878+/-1.130 χ^2/NDF: 5619093.1/56

asym_atr2_mean vs Slug



Right In: 2474.997+/-2563.344 χ^2/NDF: 37.1/29

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -4620.076+/-2484.132 χ^2/NDF: 34.2/33

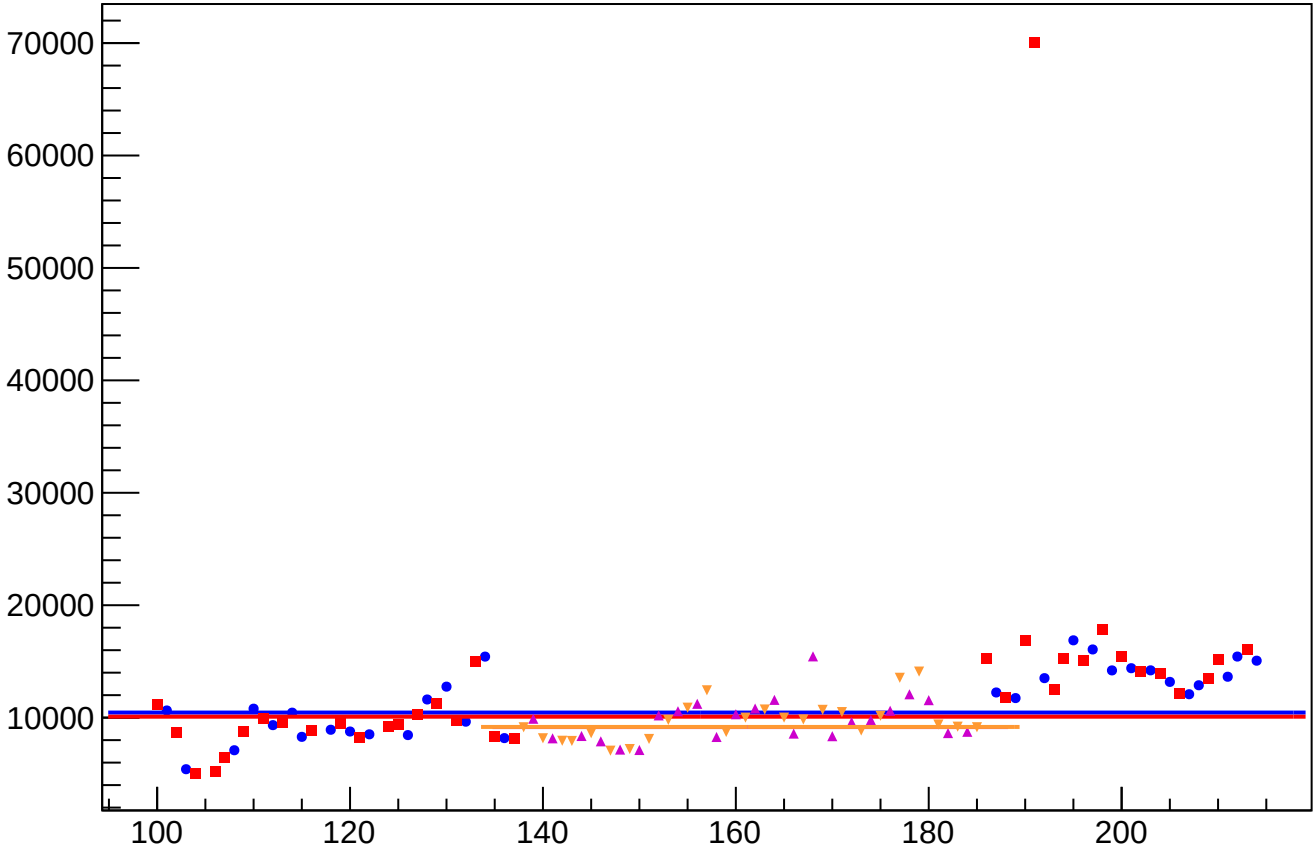
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1183.155+/-1636.130 χ^2/NDF: 63.8/54

All: -1323.248+/-1157.742 χ^2/NDF: 116.5/11

- sign -3836.802+/-1638.463 χ^2/NDF: 48.0/56

asym_atr2_rms vs Slug



Right In: 10452.569+/-1.813 χ^2/NDF: 3194959.4/29

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10085.102+/-1.757 χ^2/NDF: 4160601.1/33

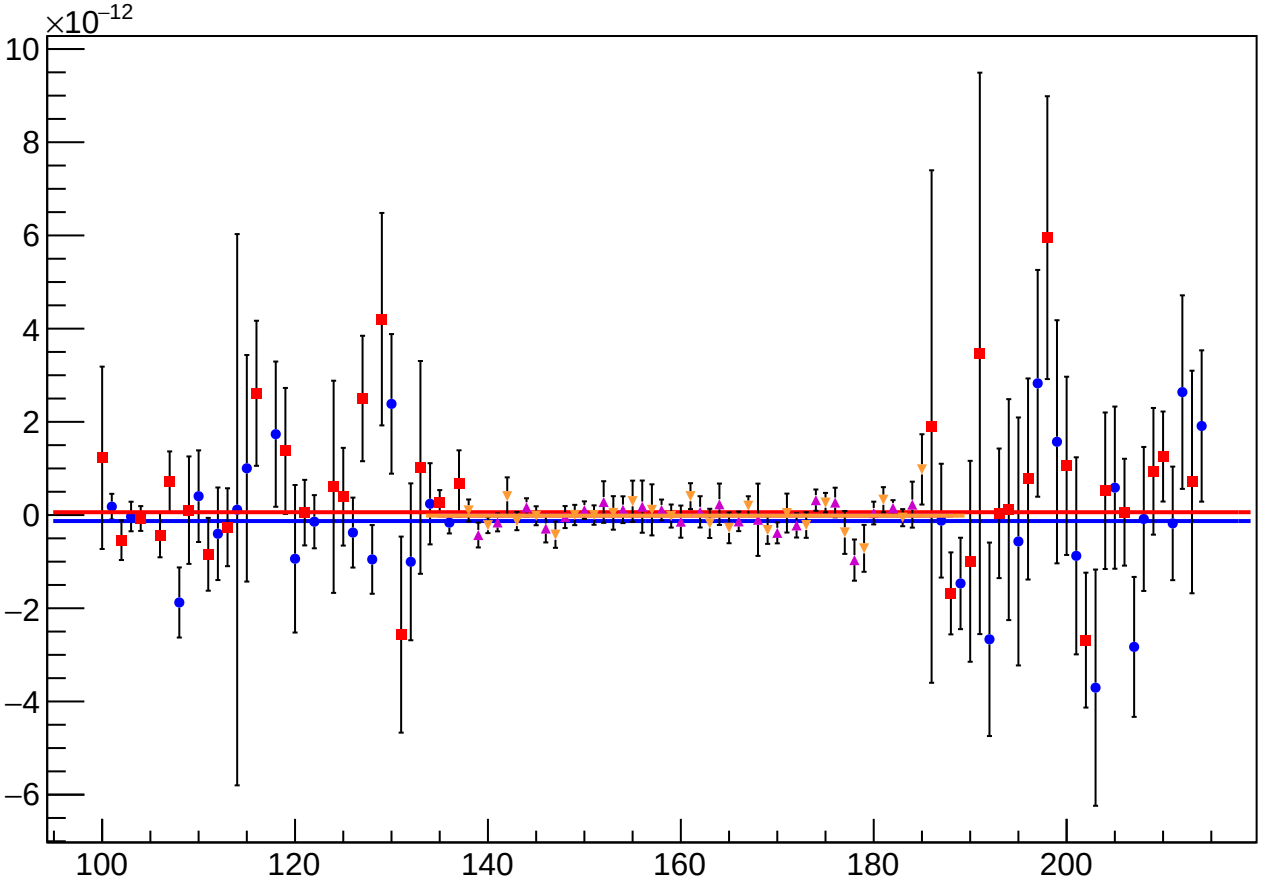
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9694.194+/-1.157 χ^2/NDF: 4547314.5/54

All: 9629.063+/-0.819 χ^2/NDF: 9997734.8/11

- sign 9563.746+/-1.159 χ^2/NDF: 5444072.6/56

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/33

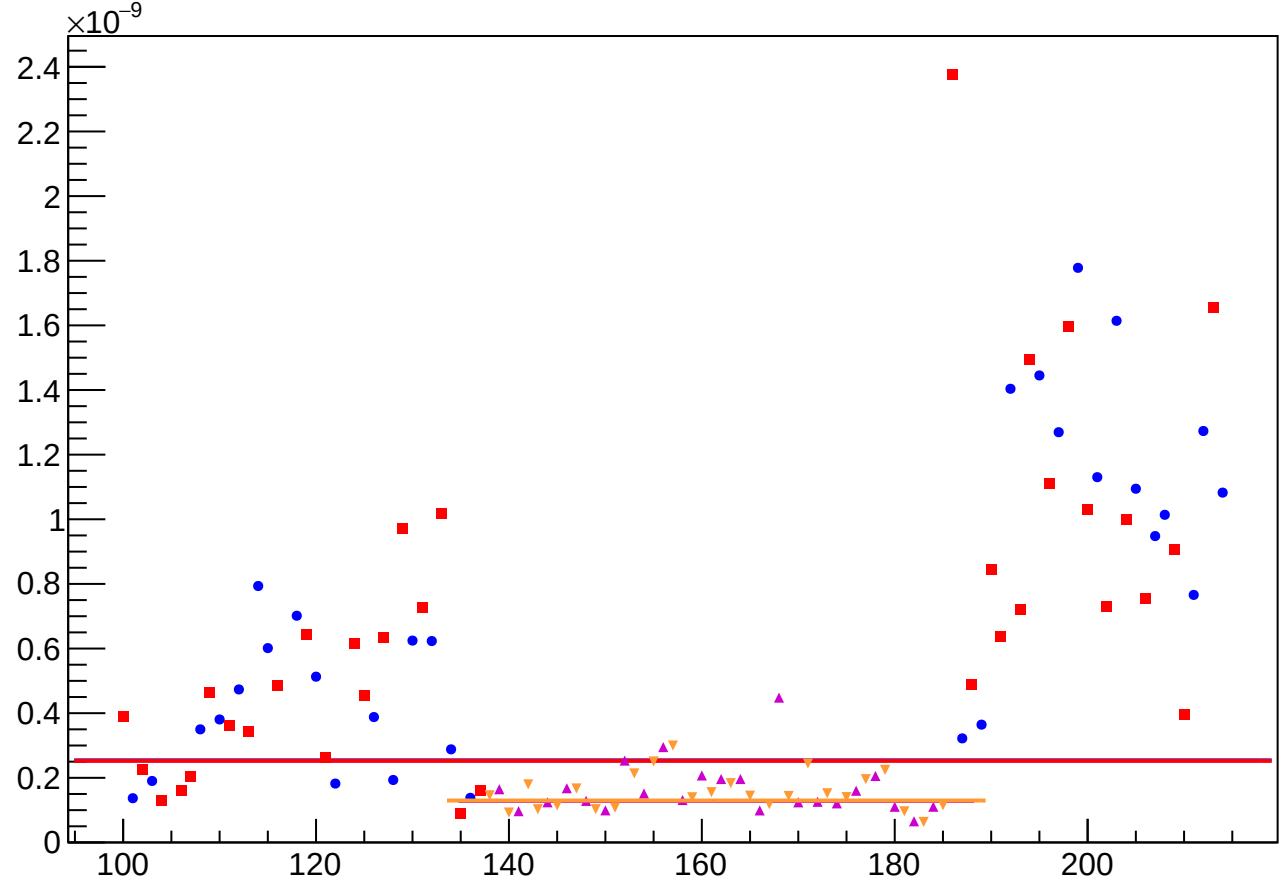
Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.9/54

All: -0.000+/-0.000 χ^2/NDF: 101.6/111

- sign -0.000+/-0.000 χ^2/NDF: 53.5/56

asym_atr2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7444370.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7057724.6/33

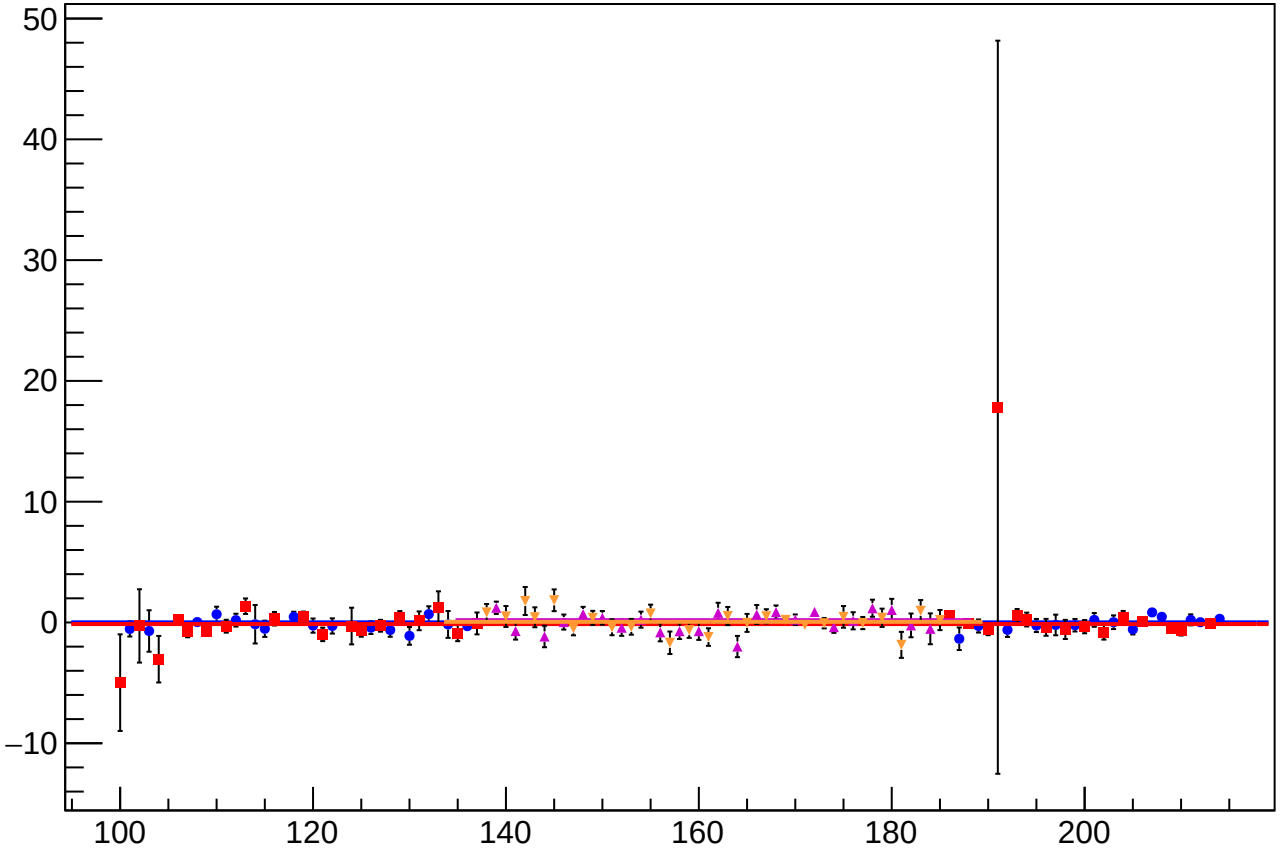
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10435878.5/54

All: 0.000+/-0.000 χ^2/NDF: 20538803.9/111

- sign 0.000+/-0.000 χ^2/NDF: 10102452.2/56

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.095 χ^2/NDF: 25.1/29

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.086 χ^2/NDF: 36.8/33

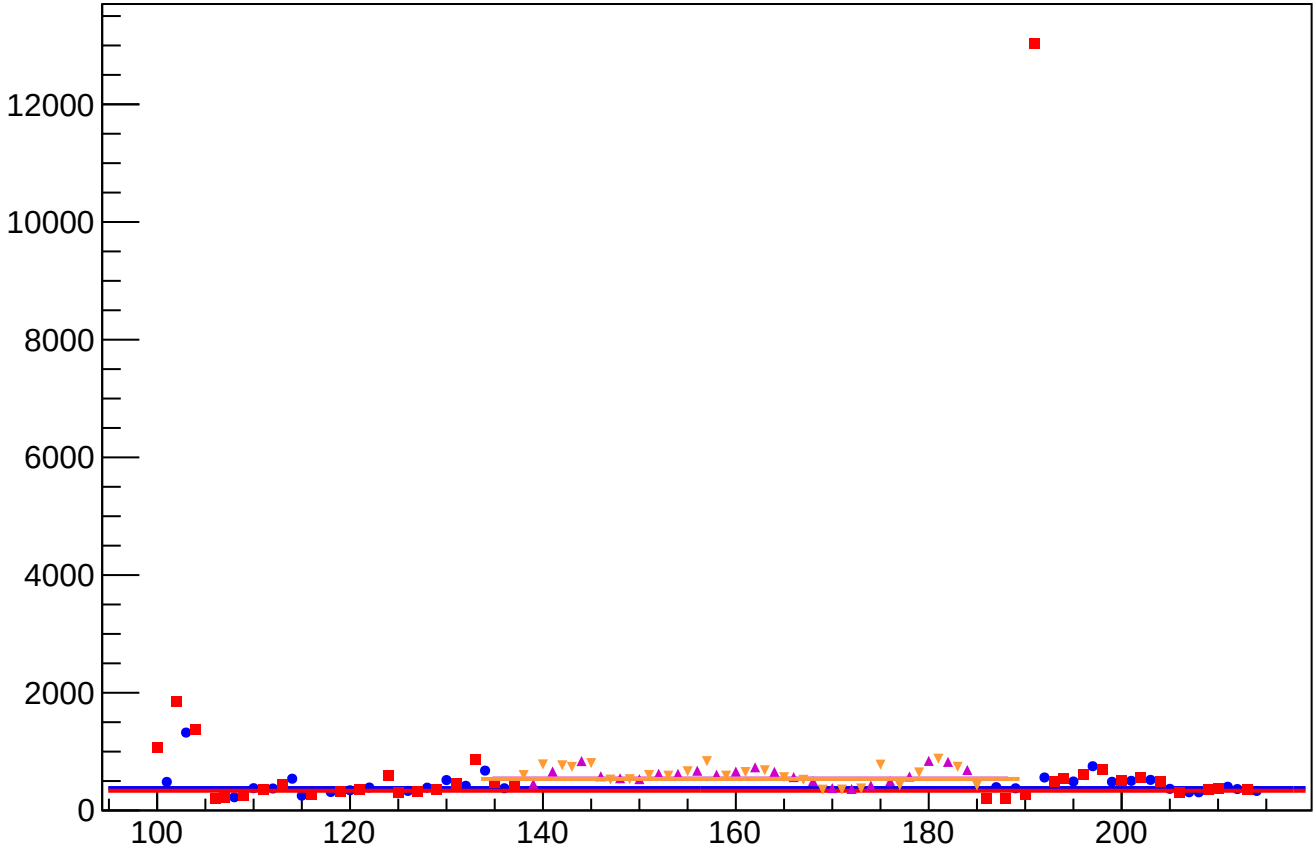
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.025+/-0.076 χ^2/NDF: 49.8/54

All: -0.007+/-0.053 χ^2/NDF: 122.3/111

- sign -0.037+/-0.072 χ^2/NDF: 72.1/56

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 380.860+/-0.067 χ^2/NDF: 2588249.2/29

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508416.1/33

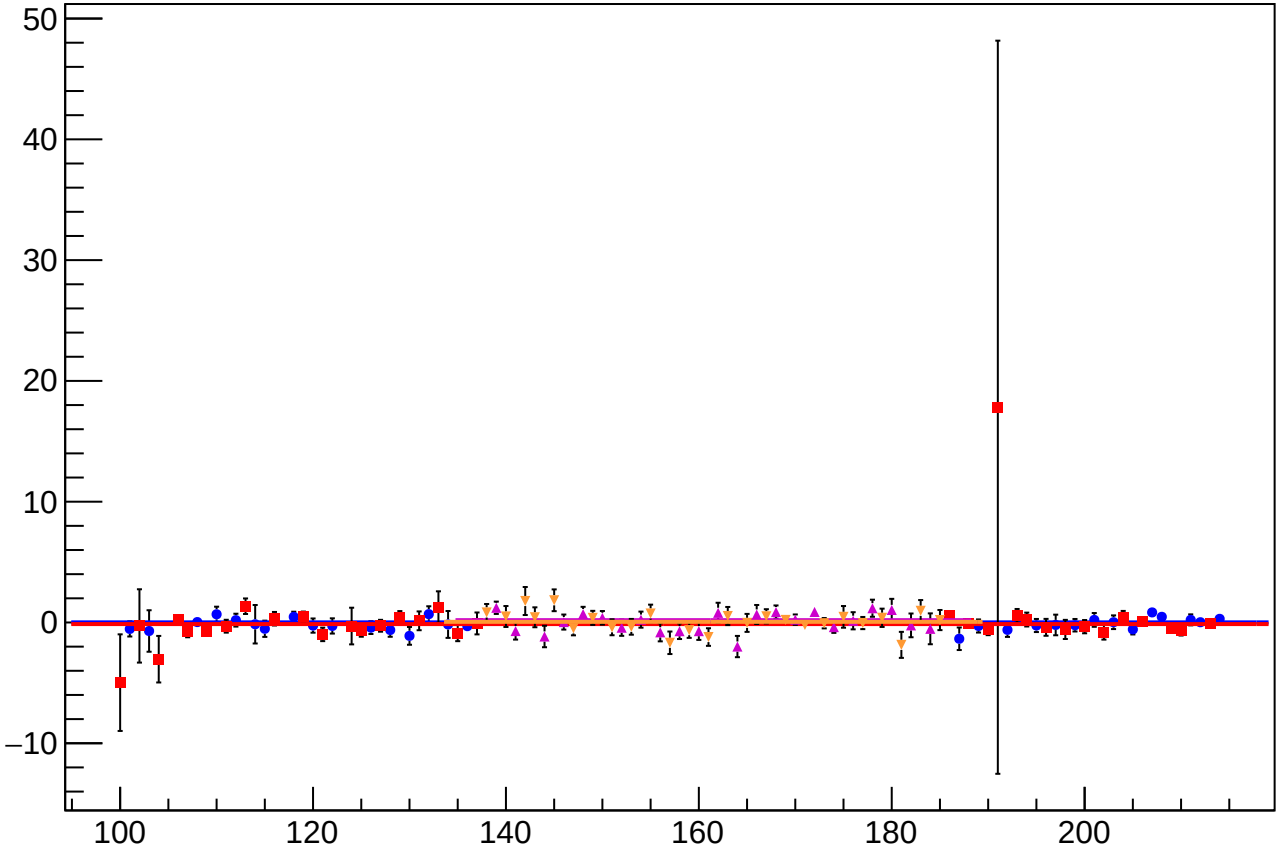
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 434.801+/-0.054 χ^2/NDF: 7208610.4/54

All: 414.328+/-0.037 χ^2/NDF: 18262194.0/11

- sign 395.896+/-0.051 χ^2/NDF: 10780495.7/56

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.095 χ^2/NDF: 25.1/29

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.086 χ^2/NDF: 36.8/33

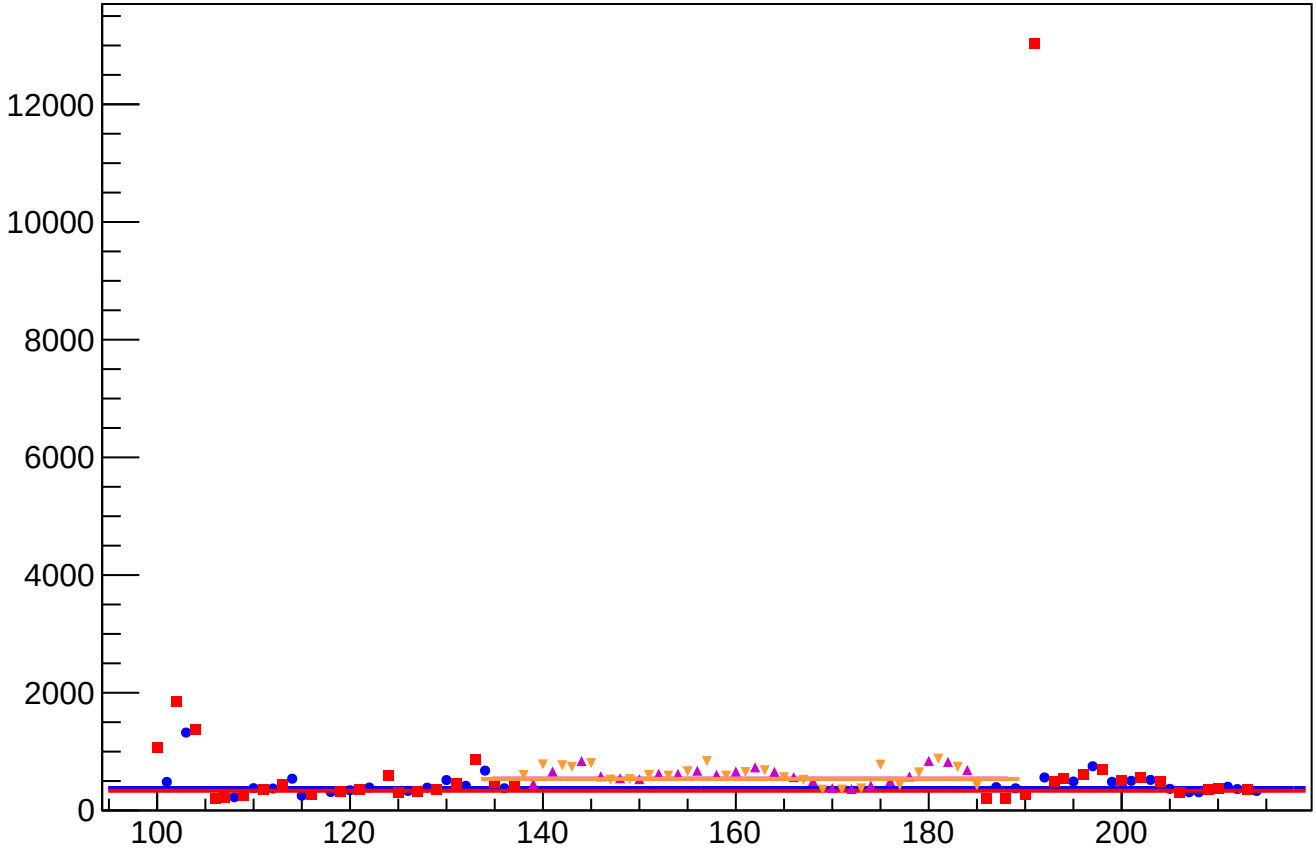
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.025+/-0.076 χ^2/NDF: 49.8/54

All: -0.007+/-0.053 χ^2/NDF: 122.3/111

- sign -0.037+/-0.072 χ^2/NDF: 72.1/56

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 380.860+/-0.067 χ^2/NDF: 2588249.2/29

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508416.1/33

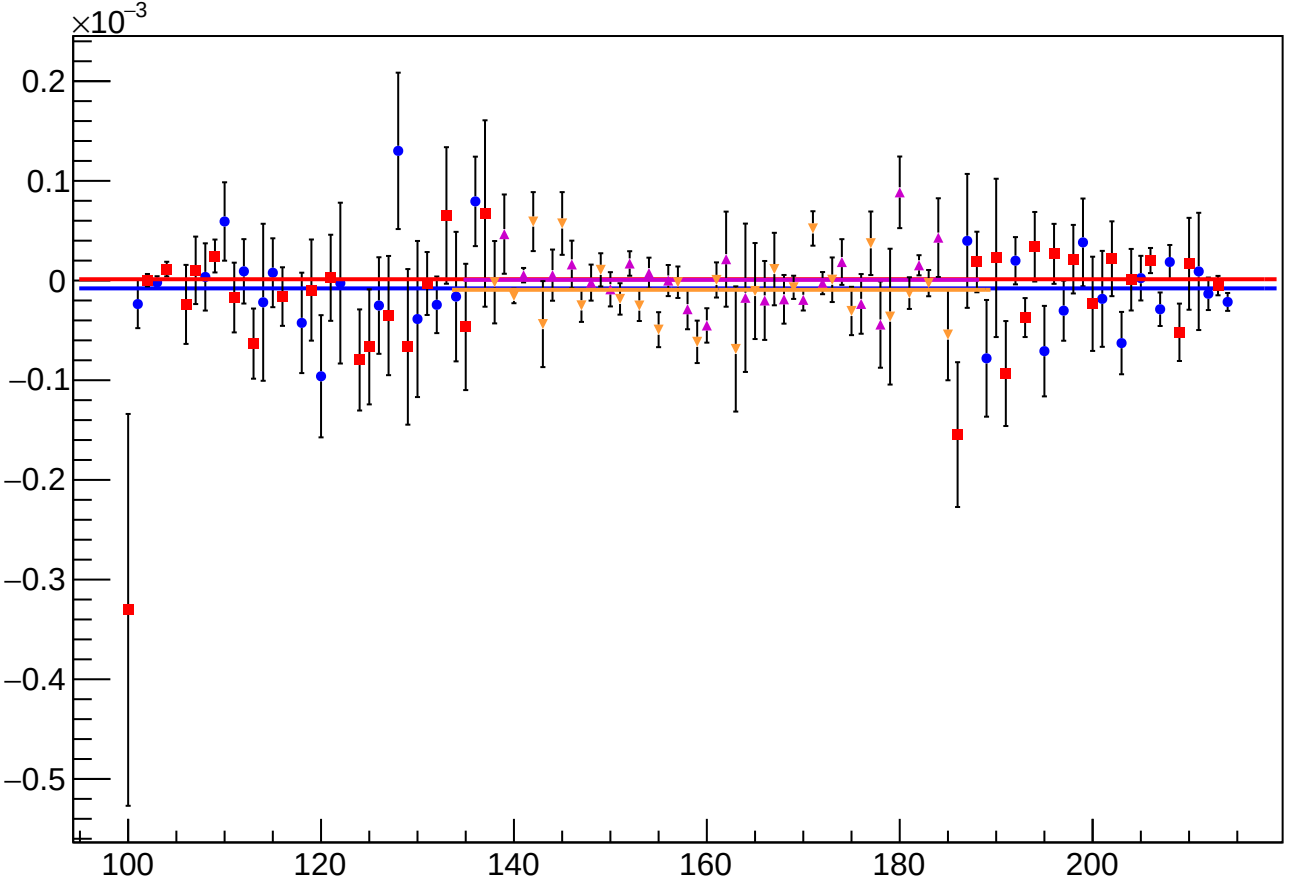
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 434.801+/-0.054 χ^2/NDF: 7208610.4/54

All: 414.328+/-0.037 χ^2/NDF: 18262194.0/11

- sign 395.896+/-0.051 χ^2/NDF: 10780495.7/56

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/33

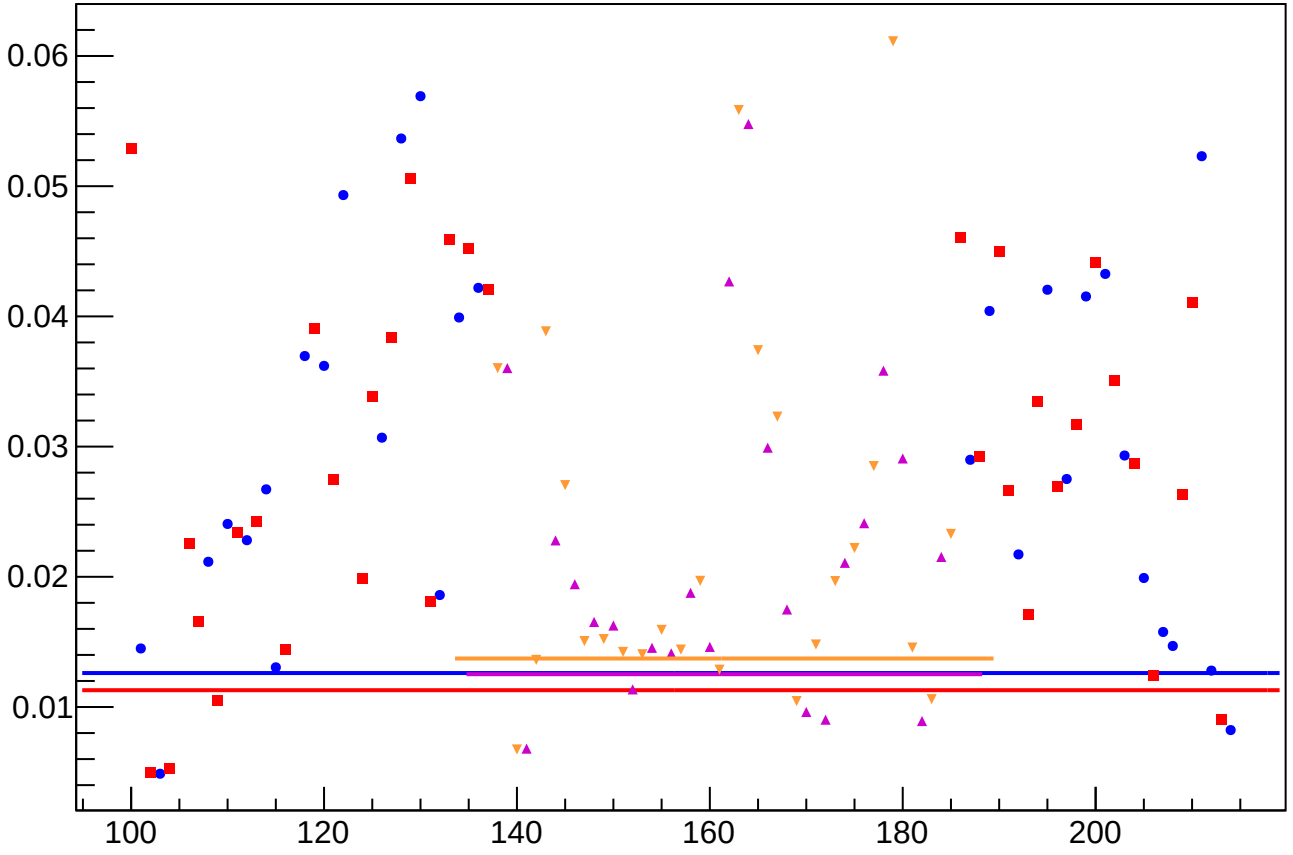
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.8/54

All: -0.000+/-0.000 χ^2/NDF: 153.1/111

- sign 0.000+/-0.000 χ^2/NDF: 69.1/56

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 13717199.9/29

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 15604010.2/33

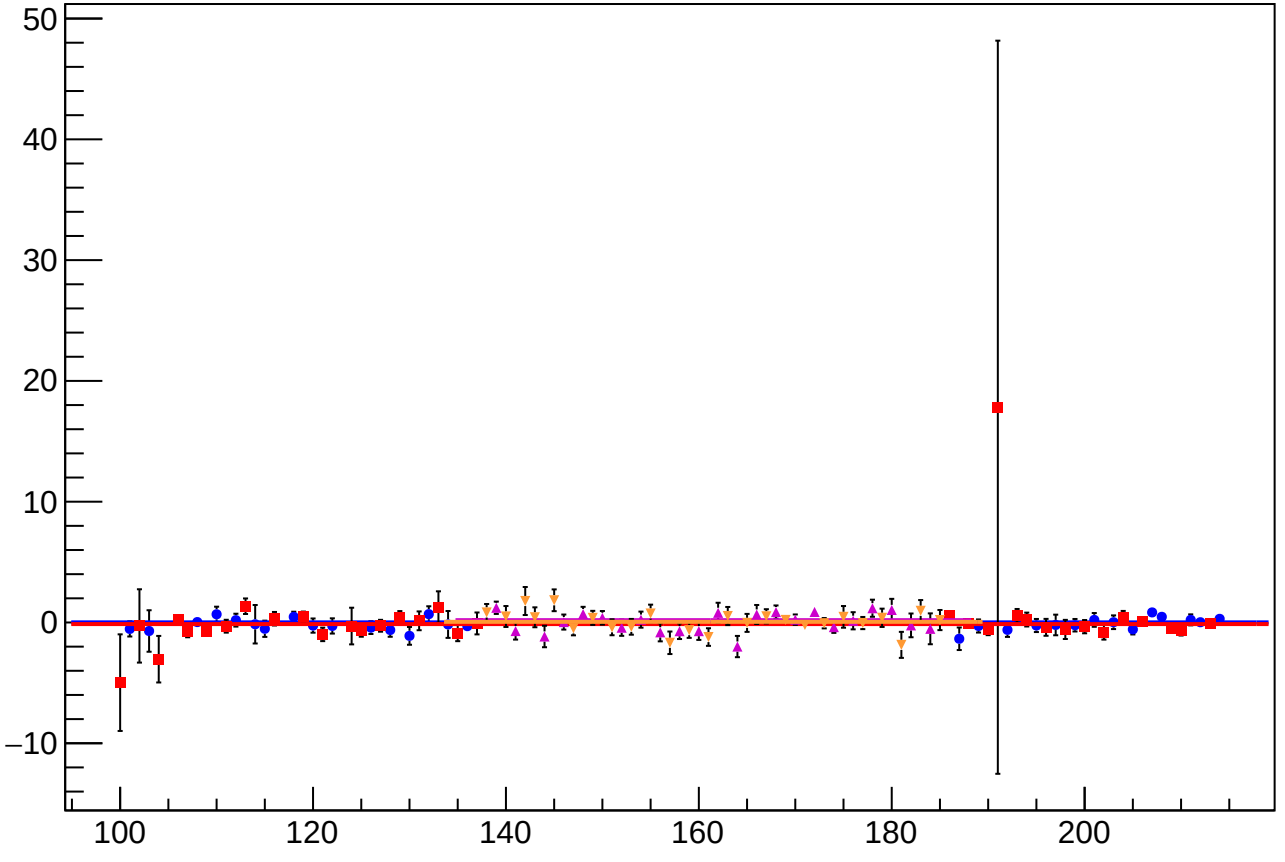
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 21522640.7/54

All: 0.013+/-0.000 χ^2/NDF: 44638473.7/111

- sign 0.012+/-0.000 χ^2/NDF: 22852818.0/56

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.095 χ^2/NDF: 25.1/29

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.086 χ^2/NDF: 36.8/33

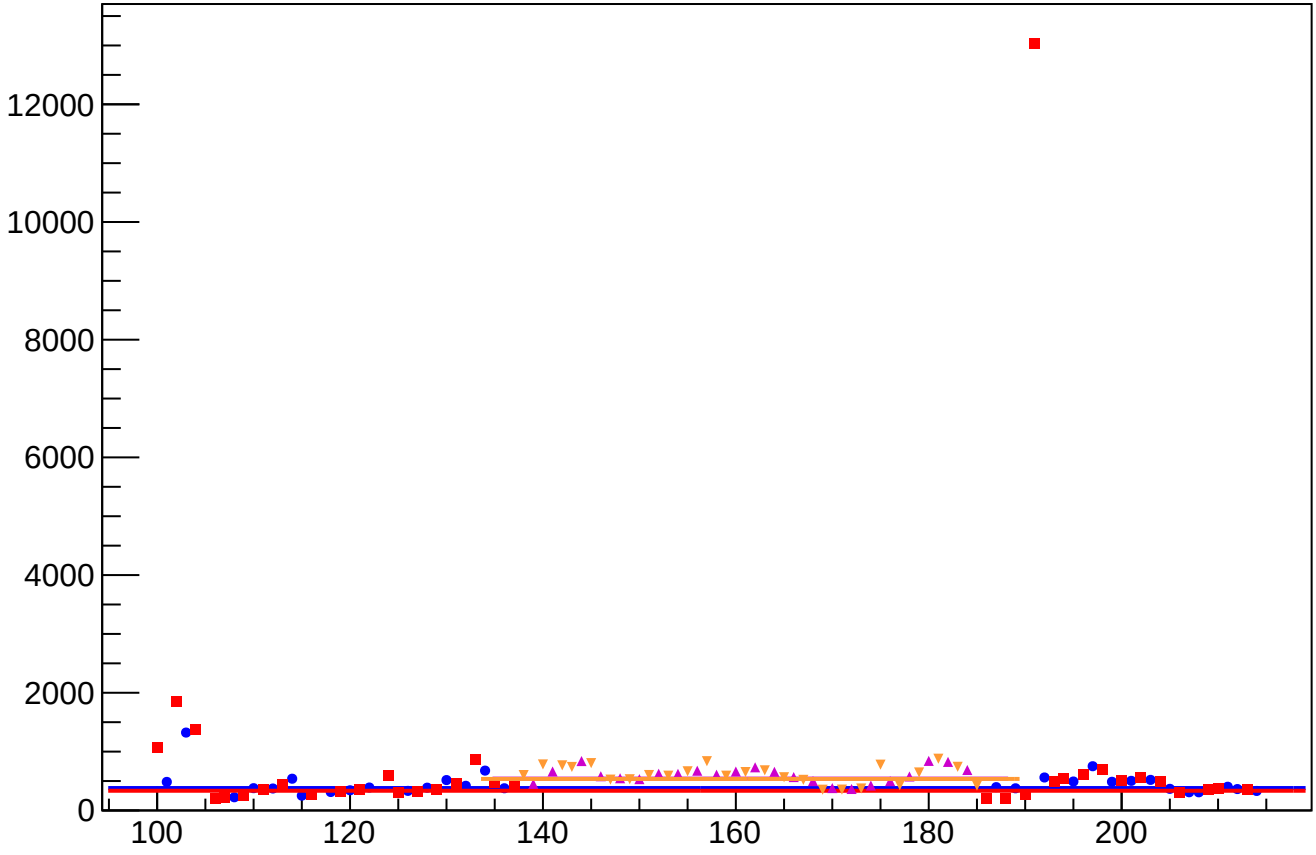
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.025+/-0.076 χ^2/NDF: 49.8/54

All: -0.007+/-0.053 χ^2/NDF: 122.3/111

- sign -0.037+/-0.072 χ^2/NDF: 72.1/56

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 380.857+/-0.067 χ^2/NDF: 2588292.6/29

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508376.5/33

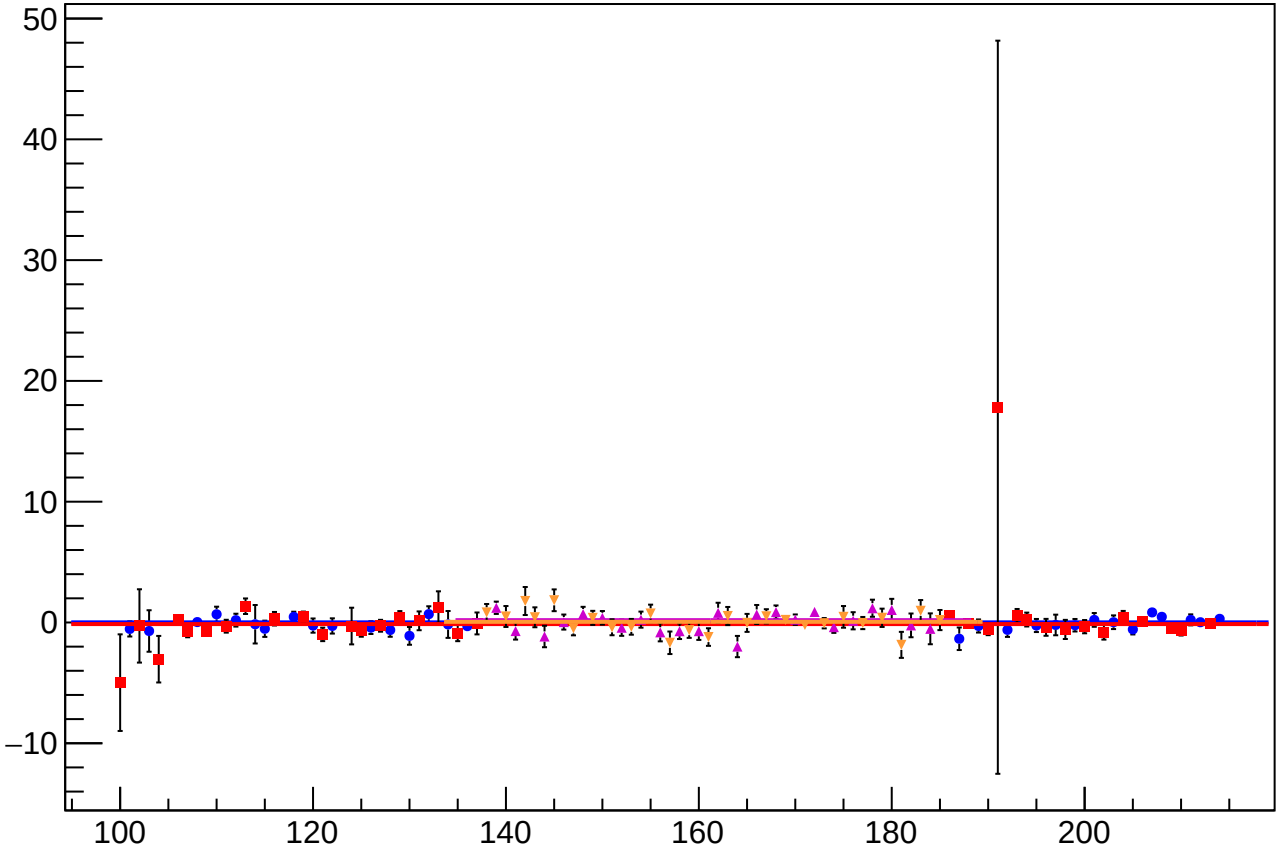
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 434.799+/-0.054 χ^2/NDF: 7208891.2/54

All: 414.328+/-0.037 χ^2/NDF: 18262609.5/11

- sign 395.896+/-0.051 χ^2/NDF: 10780644.3/56

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.095 χ^2/NDF: 25.1/29

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.133+/-0.086 χ^2/NDF: 36.8/33

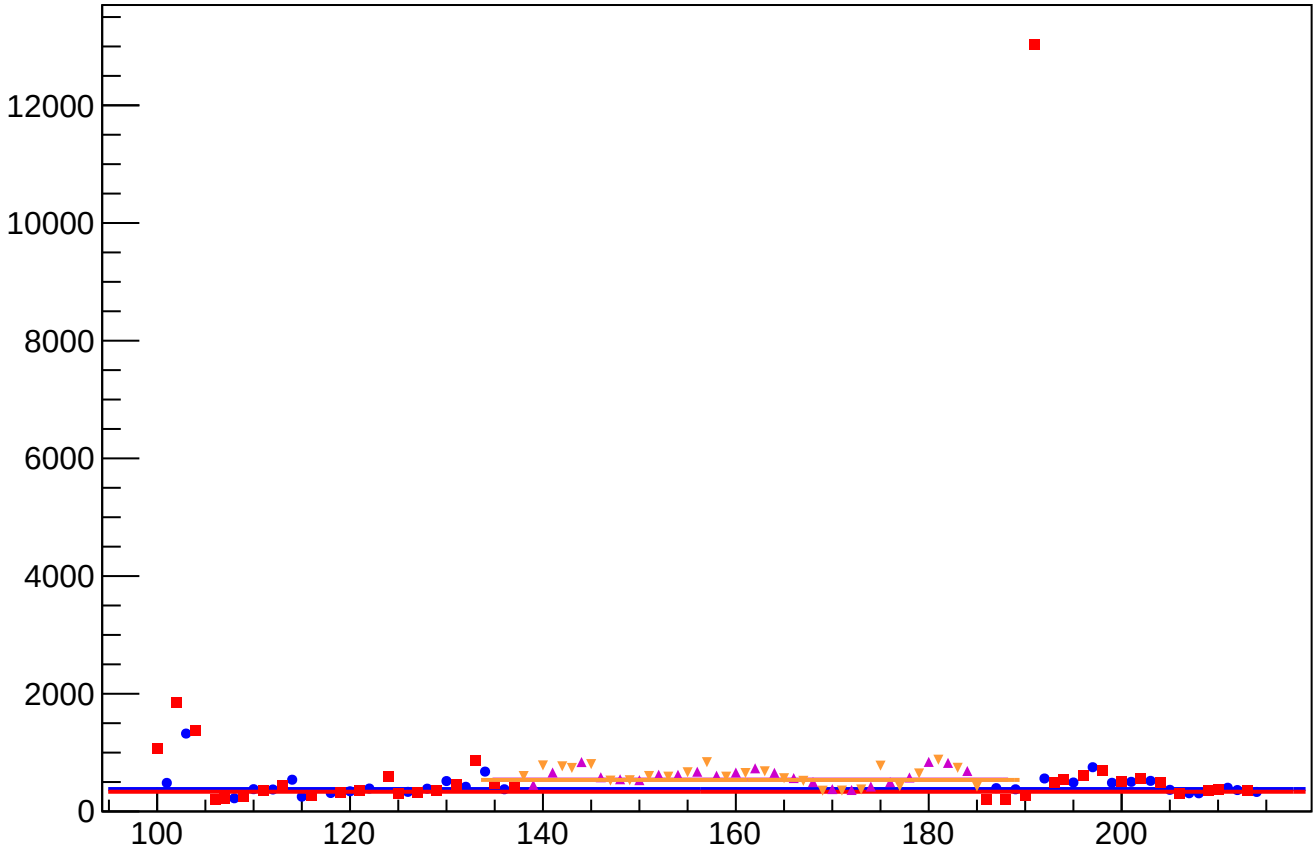
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign 0.025+/-0.076 χ^2/NDF: 49.8/54

All: -0.007+/-0.053 χ^2/NDF: 122.3/111

- sign -0.037+/-0.072 χ^2/NDF: 72.1/56

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 380.857+/-0.067 χ^2/NDF: 2588292.6/29

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 334.878+/-0.061 χ^2/NDF: 5508376.5/33

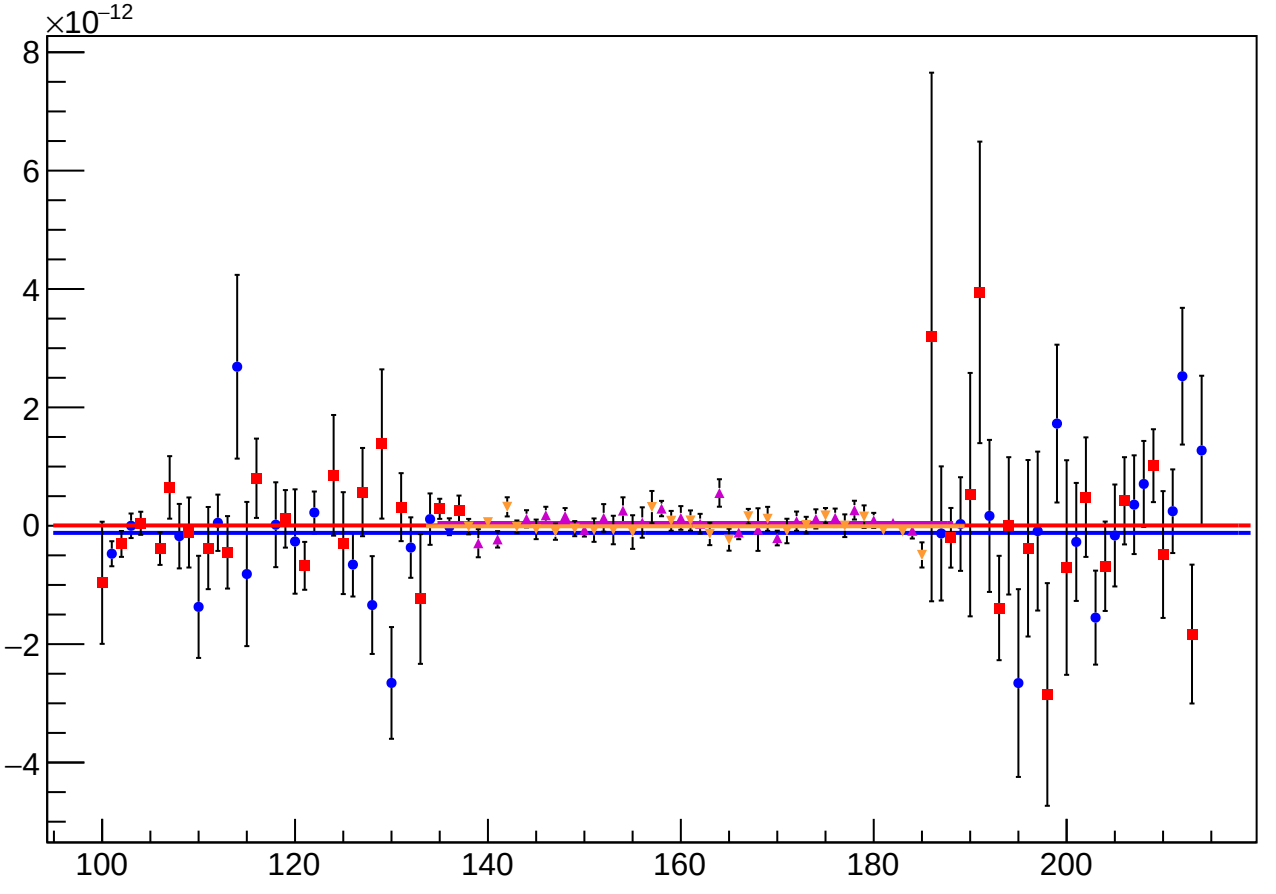
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 434.799+/-0.054 χ^2/NDF: 7208891.2/54

All: 414.328+/-0.037 χ^2/NDF: 18262609.5/11

- sign 395.896+/-0.051 χ^2/NDF: 10780644.3/56

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

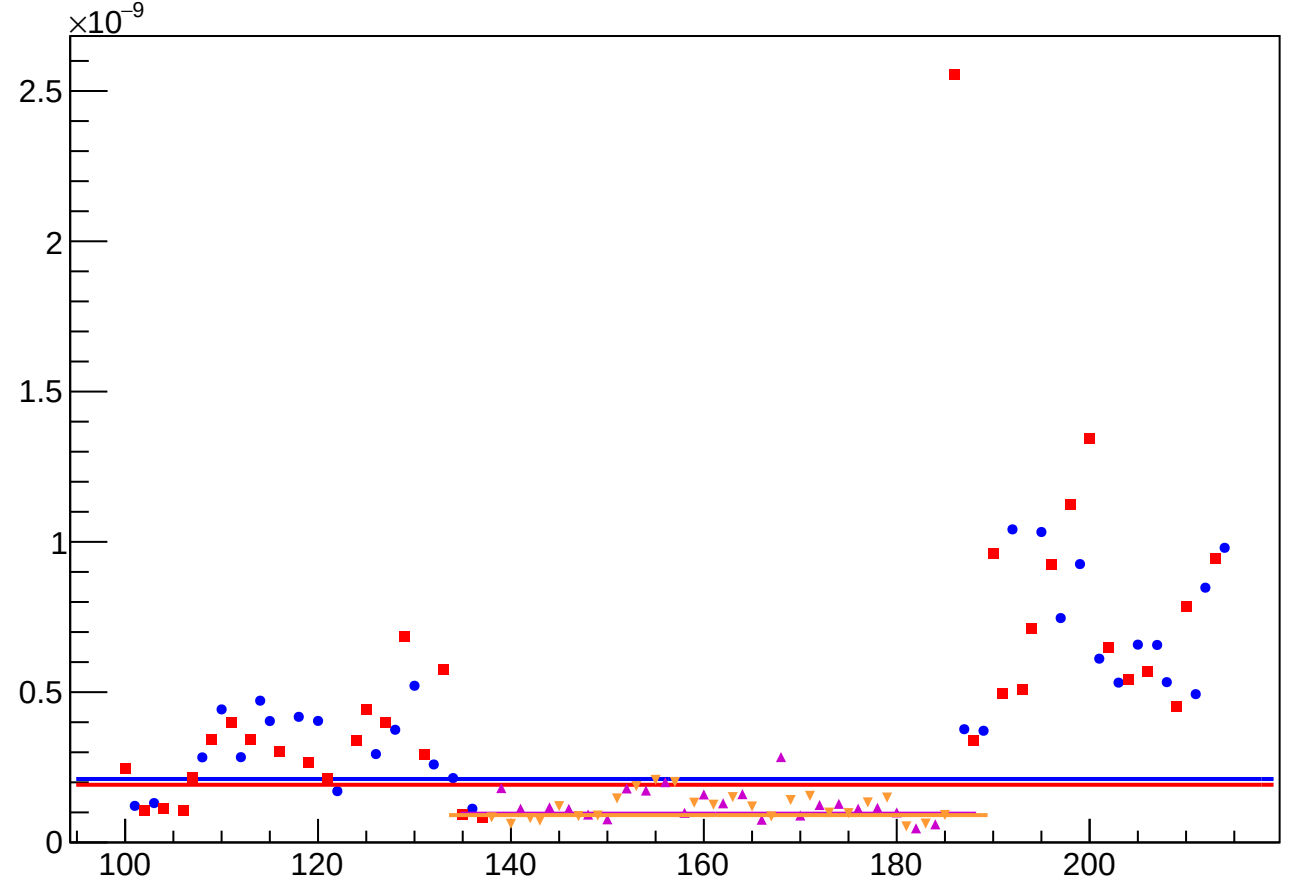
Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/33

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.3/54

All: 0.000+/-0.000 χ^2/NDF: 126.7/111

- sign 0.000+/-0.000 χ^2/NDF: 62.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 8809259.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10010741.1/33

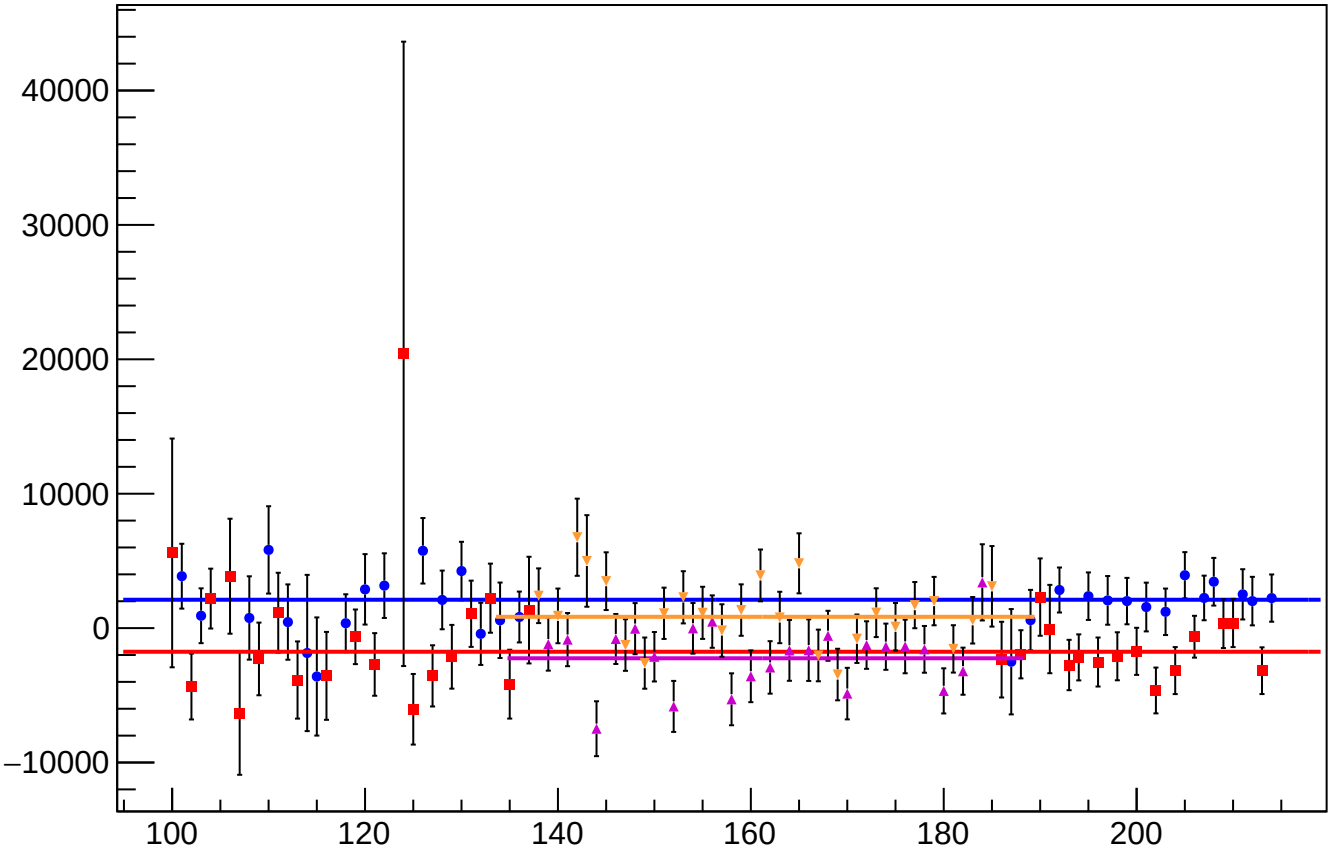
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15982217.2/54

All: 0.000+/-0.000 χ^2/NDF: 32520530.3/111

- sign 0.000+/-0.000 χ^2/NDF: 16513376.2/56

reg_asym_atl_avg_mean vs Slug



Right In: 2110.819+/-386.582 χ^2/NDF: 15.1/29

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1758.724+/-387.186 χ^2/NDF: 29.7/33

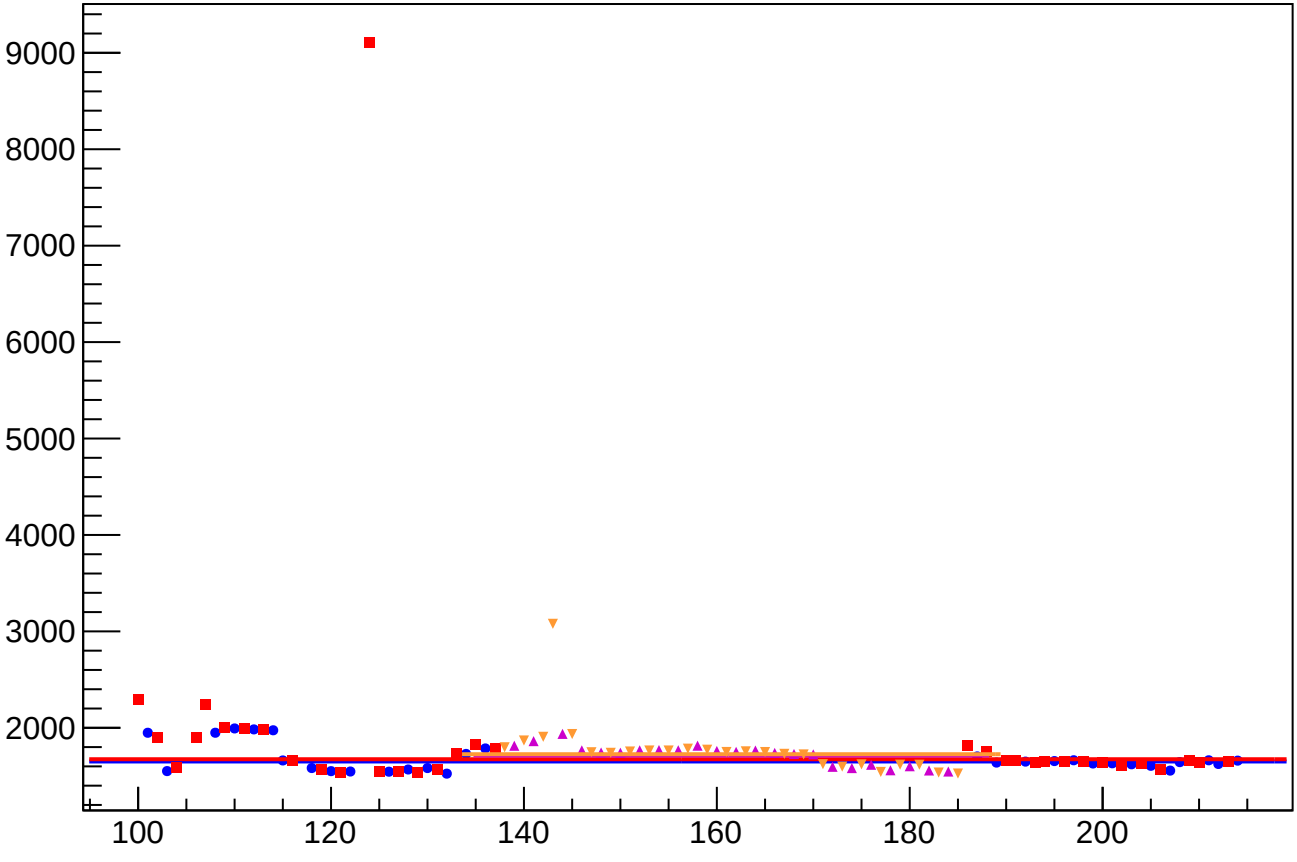
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1488.971+/-276.093 χ^2/NDF: 50.8/54

All: -237.436+/-196.057 χ^2/NDF: 189.6/111

- sign -1993.512+/-278.455 χ^2/NDF: 59.9/56

reg_asym_atl_avg_rms vs Slug



Right In: 1650.892+/-0.273 χ^2/NDF: 155415.2/29

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1674.089+/-0.273 χ^2/NDF: 419214.9/33

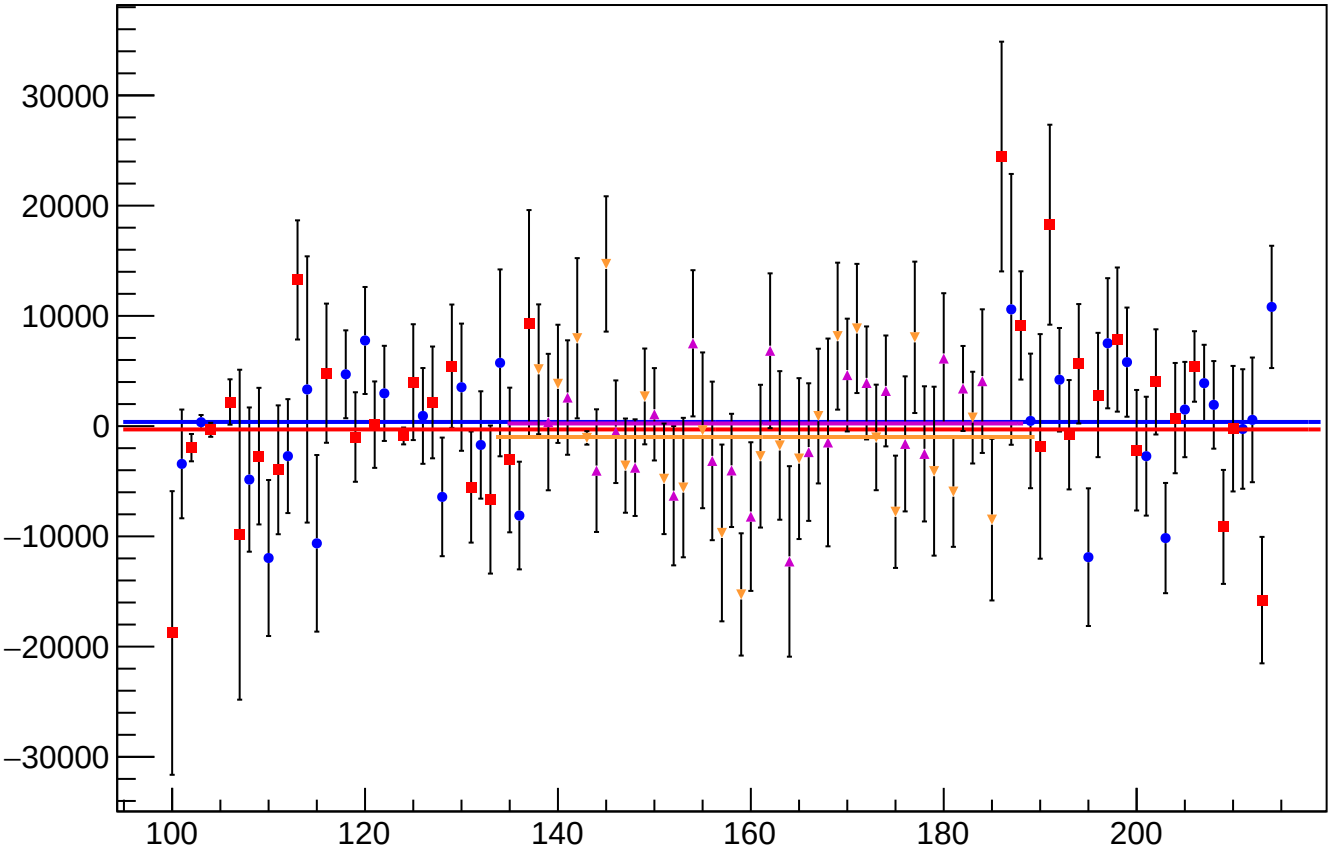
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1687.718+/-0.195 χ^2/NDF: 647391.3/54

All: 1690.297+/-0.139 χ^2/NDF: 1206094.9/11

- sign 1692.916+/-0.197 χ^2/NDF: 558351.9/56

asym_atl_avg_reg_correction_mean vs Slug



Right In: 378.192+/-542.112 χ^2/NDF: 33.4/29

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -299.435+/-406.295 χ^2/NDF: 49.8/33

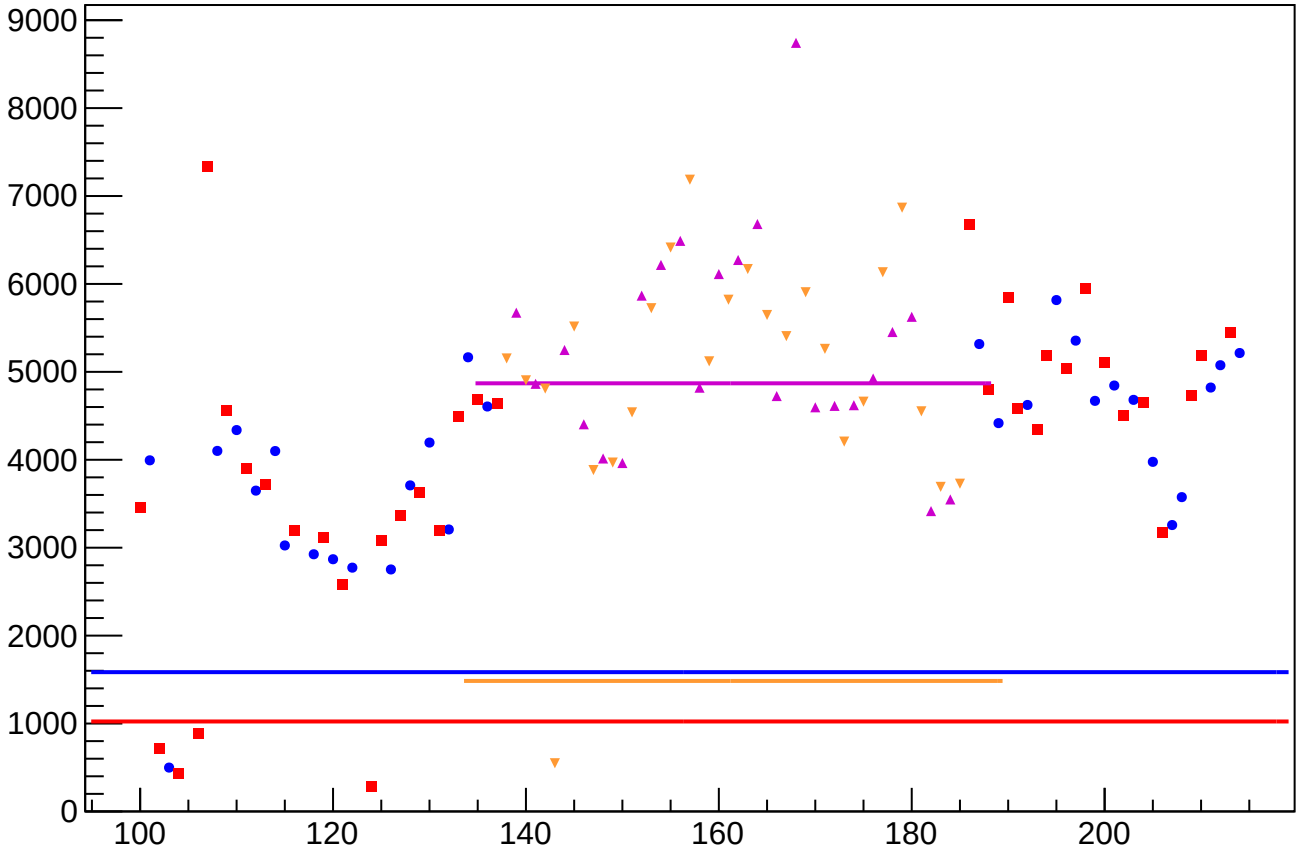
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -305.801+/-383.026 χ^2/NDF: 67.4/54

All: -273.447+/-271.056 χ^2/NDF: 131.0/111

- sign -240.989+/-383.636 χ^2/NDF: 63.6/56

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1584.468+/-0.383 χ^2/NDF: 19158141.0/29

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1023.412+/-0.287 χ^2/NDF: 24056184.1/33

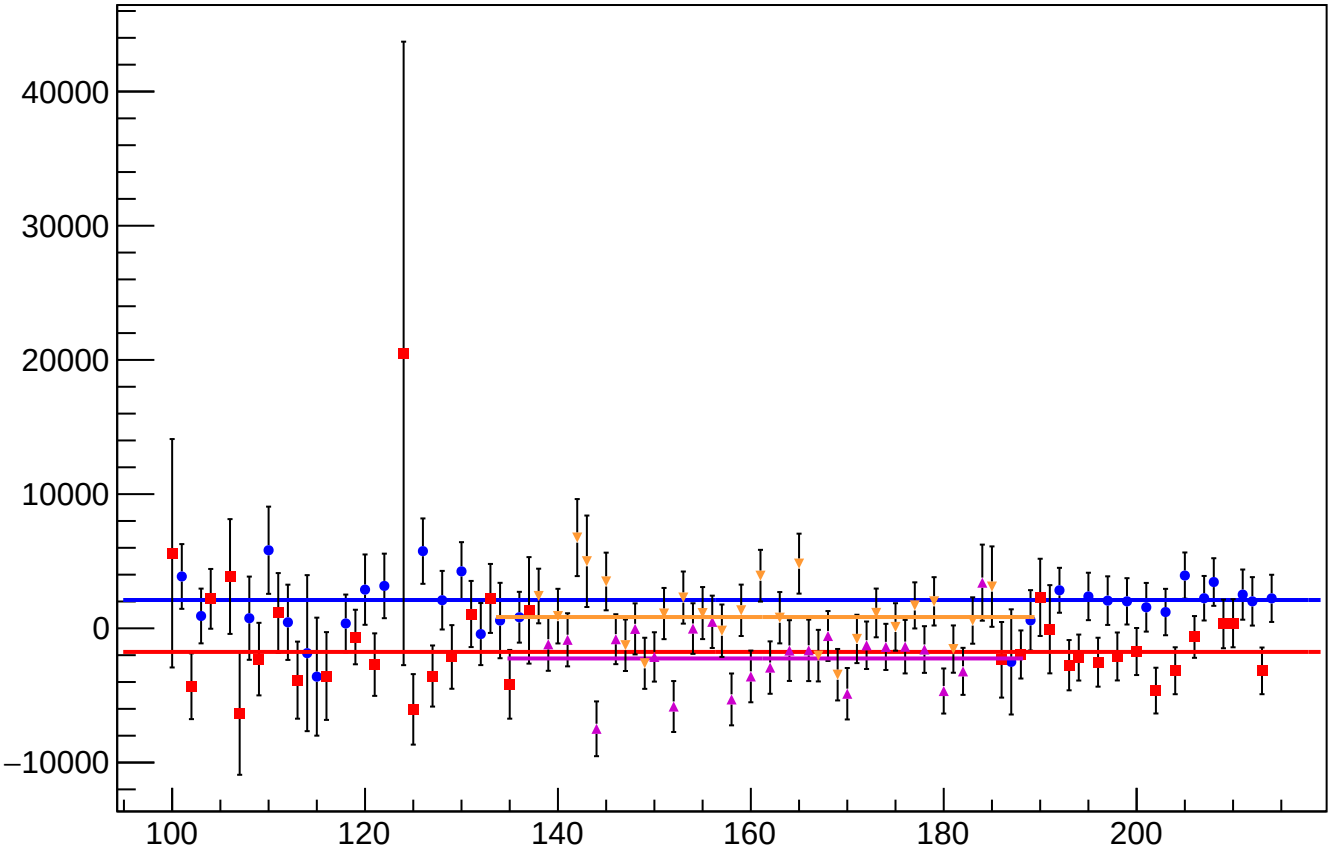
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1534.436+/-0.271 χ^2/NDF: 42417103.5/54

All: 1487.526+/-0.192 χ^2/NDF: 87442579.5/1

- sign 1440.468+/-0.271 χ^2/NDF: 44965384.5/56

cor_asym_atl_avg_mean vs Slug



Right In: 2110.881+/-386.582 χ^2/NDF: 15.1/29

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1757.850+/-387.187 χ^2/NDF: 29.7/33

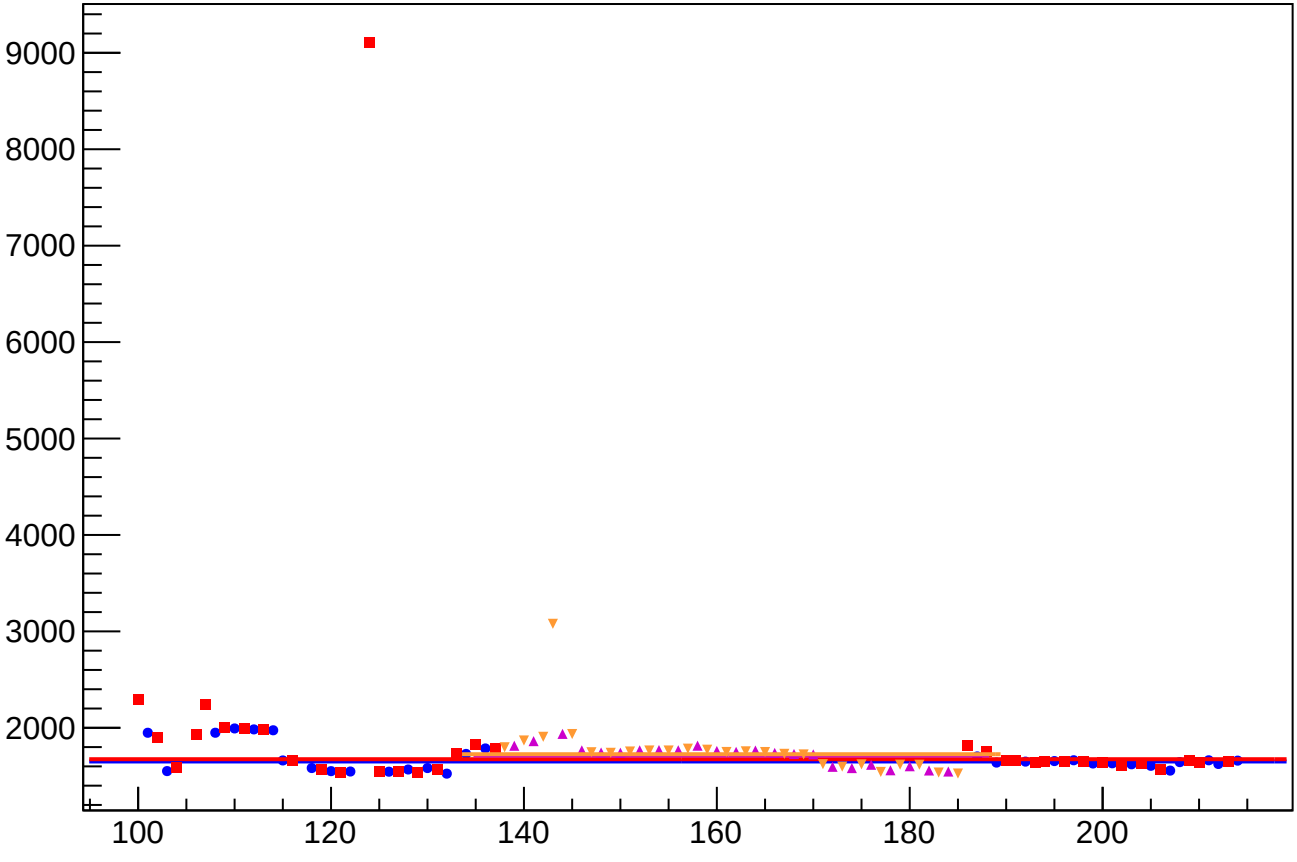
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1488.999+/-276.093 χ^2/NDF: 50.8/54

All: -237.200+/-196.057 χ^2/NDF: 189.6/111

- sign -1993.070+/-278.455 χ^2/NDF: 59.9/56

cor_asym_atl_avg_rms vs Slug



Right In: 1650.892+/-0.273 χ^2/NDF: 155415.3/29

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1674.378+/-0.273 χ^2/NDF: 421311.6/33

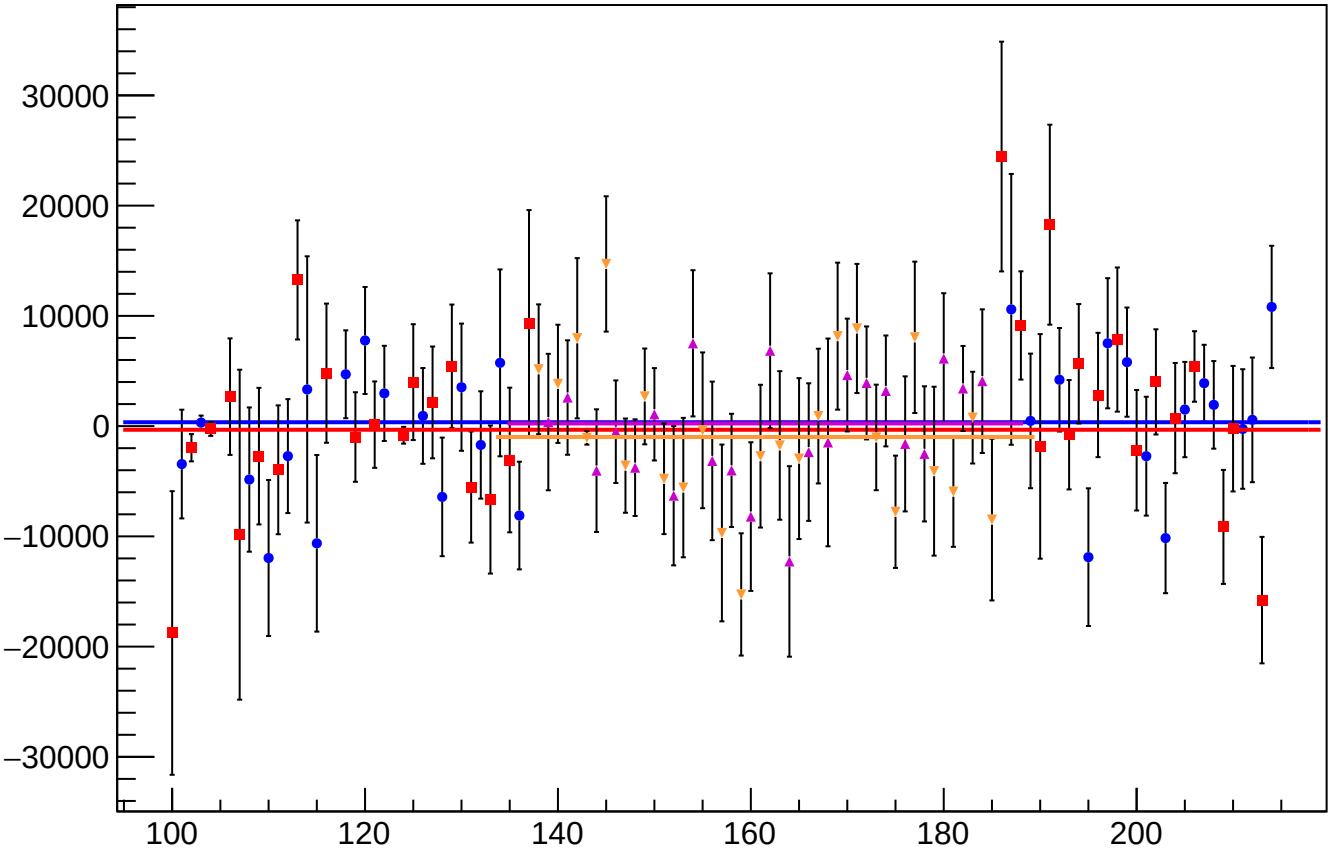
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1687.718+/-0.195 χ^2/NDF: 647391.4/54

All: 1690.373+/-0.139 χ^2/NDF: 1208065.9/11

- sign 1693.069+/-0.197 χ^2/NDF: 560301.8/56

asym_atl_avg_cor_correction_mean vs Slug



Right In: 352.547+/-532.639 χ^2/NDF: 33.4/29

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -330.687+/-411.395 χ^2/NDF: 48.6/33

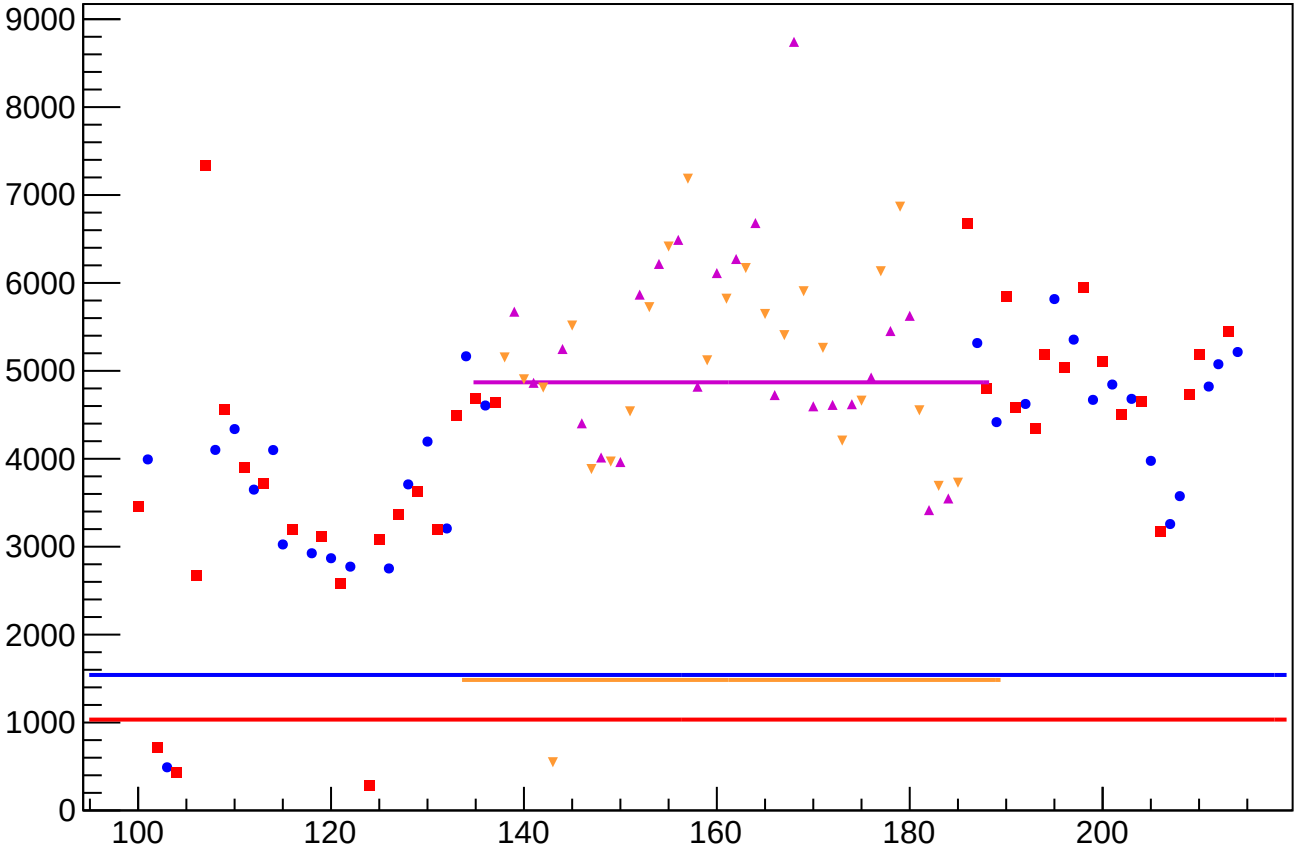
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -306.651+/-379.634 χ^2/NDF: 67.3/54

All: -287.486+/-271.324 χ^2/NDF: 129.7/111

- sign -267.474+/-387.920 χ^2/NDF: 62.3/56

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1541.183+/-0.377 χ^2/NDF: 19519867.0/29

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1033.476+/-0.291 χ^2/NDF: 24287635.6/33

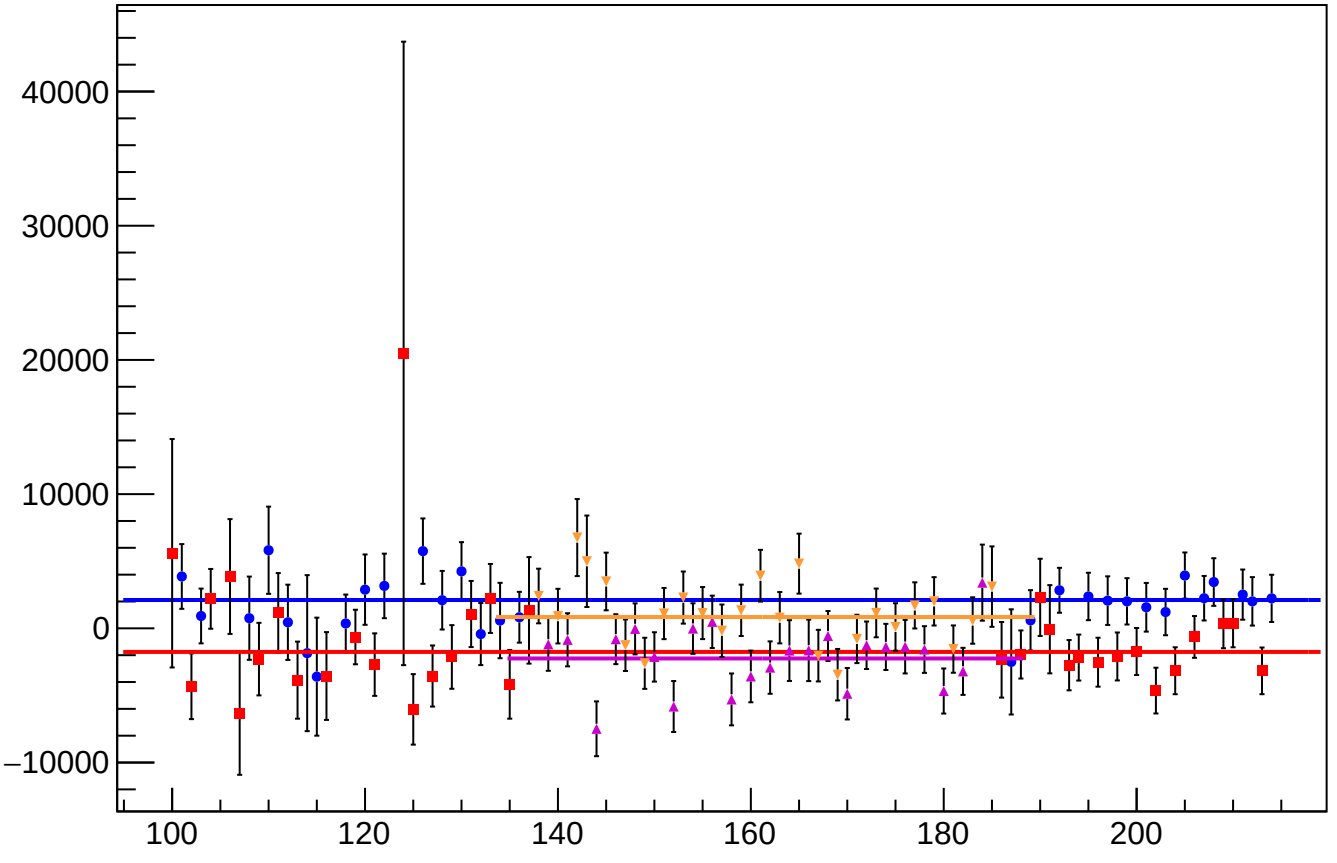
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1513.288+/-0.268 χ^2/NDF: 42756587.6/54

All: 1486.624+/-0.192 χ^2/NDF: 87819188.5/1

- sign 1458.784+/-0.274 χ^2/NDF: 45042434.1/56

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 2110.881+/-386.582 χ^2/NDF: 15.1/29

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1757.850+/-387.187 χ^2/NDF: 29.7/33

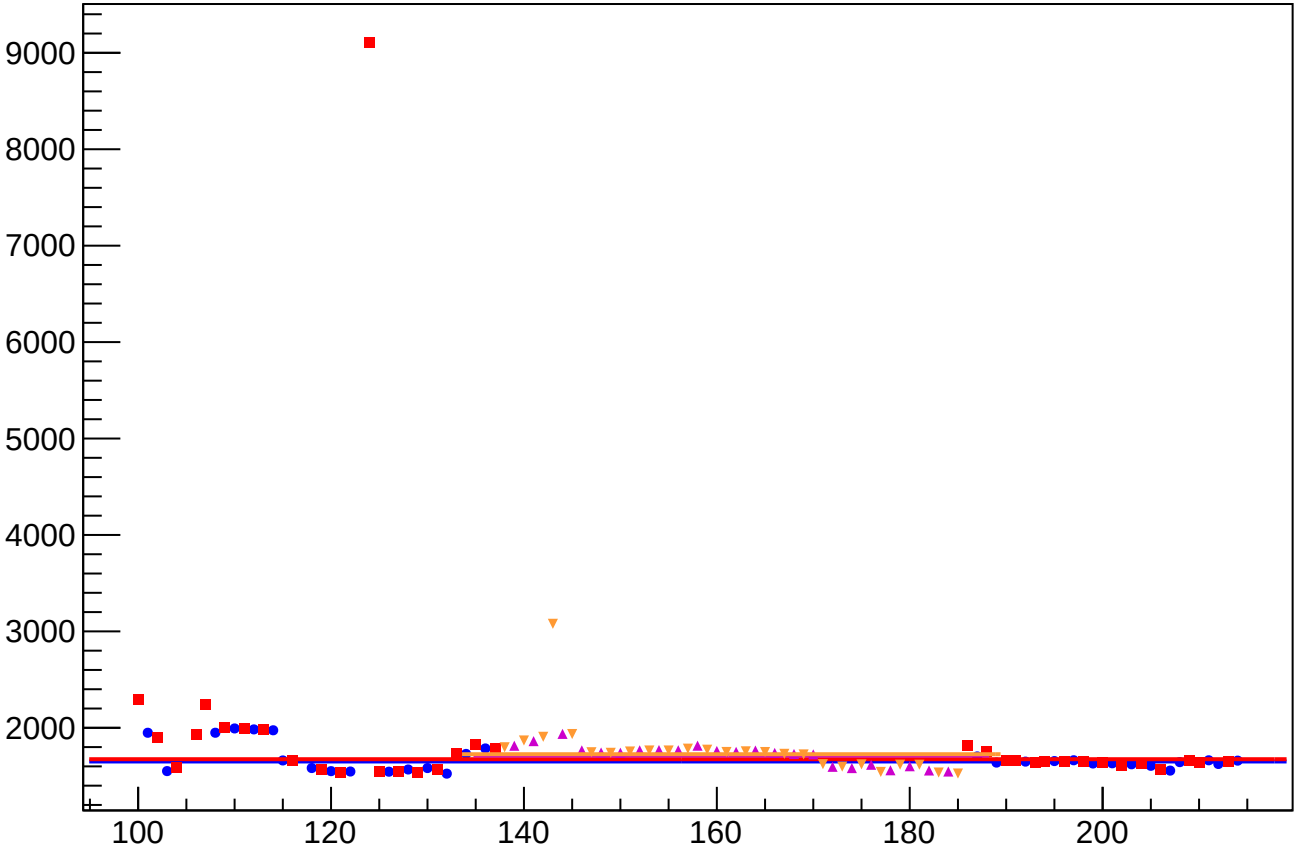
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1488.999+/-276.093 χ^2/NDF: 50.8/54

All: -237.200+/-196.057 χ^2/NDF: 189.6/111

- sign -1993.070+/-278.455 χ^2/NDF: 59.9/56

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1650.892+/-0.273 χ^2/NDF: 155415.3/29

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

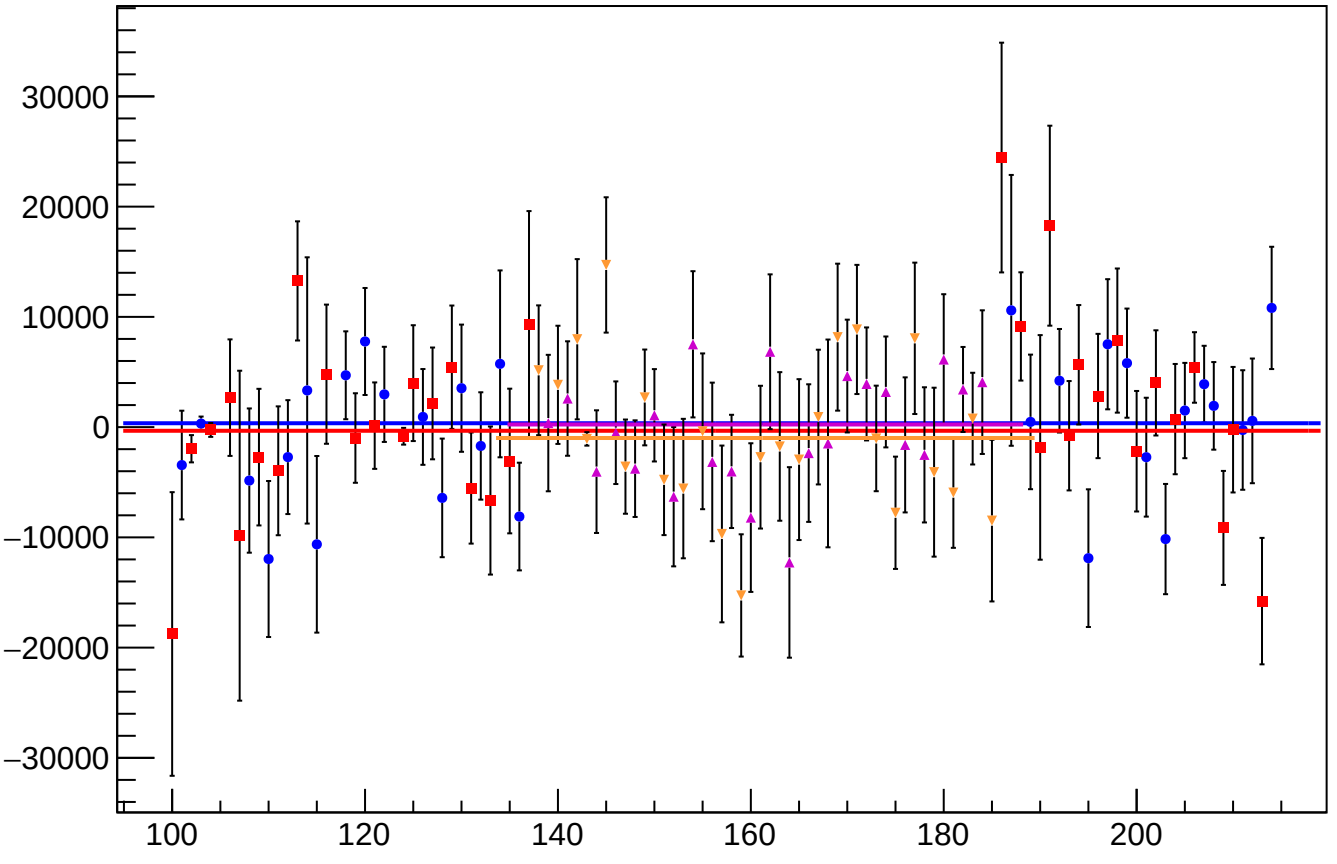
Right Out: 1674.378+/-0.273 χ^2/NDF: 421311.6/33

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1687.718+/-0.195 χ^2/NDF: 647391.4/54

All: 1690.373+/-0.139 χ^2/NDF: 1208065.9/11

- sign 1693.069+/-0.197 χ^2/NDF: 560301.8/56



Right In: 352.547+/-532.639 χ^2/NDF: 33.4/29

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -330.687+/-411.395 χ^2/NDF: 48.6/33

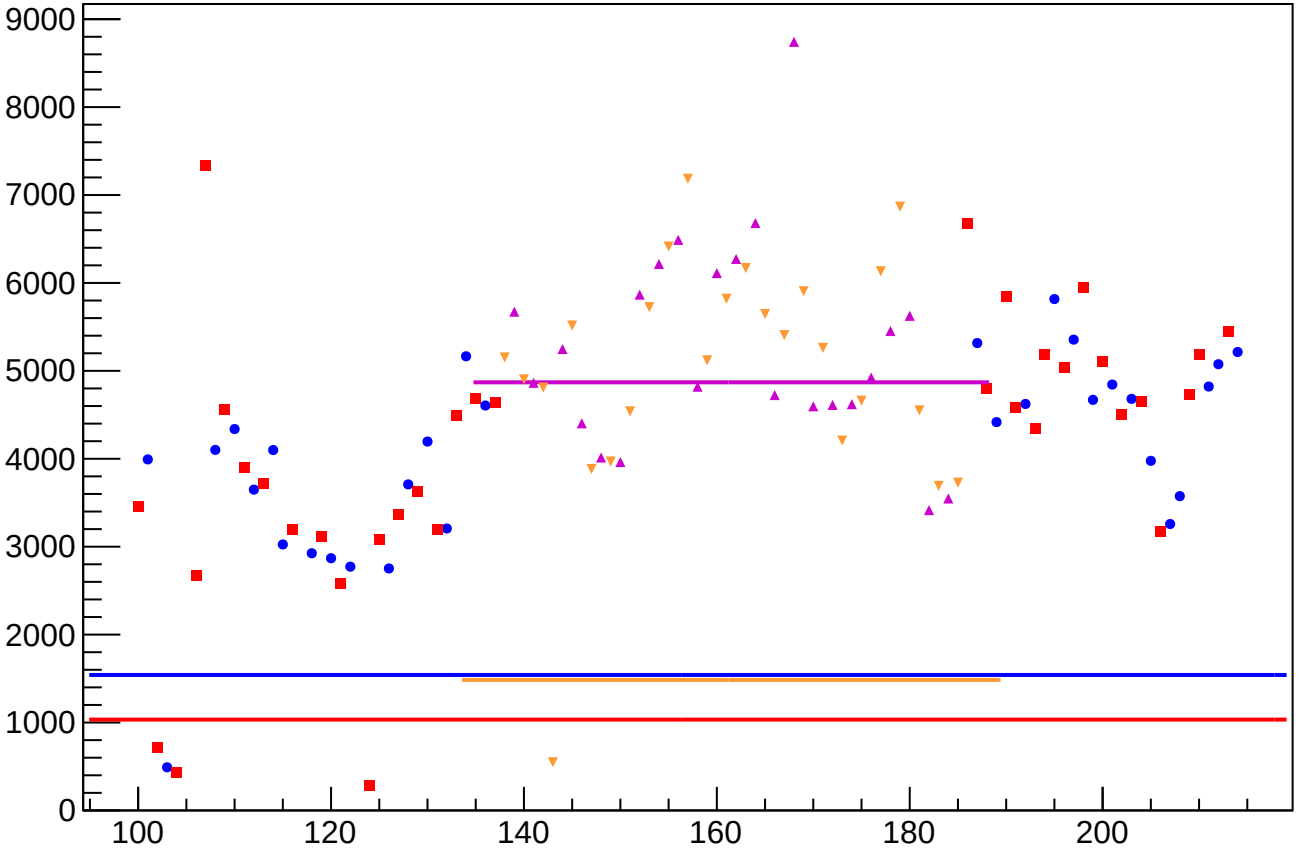
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -306.651+/-379.634 χ^2/NDF: 67.3/54

All: -287.486+/-271.324 χ^2/NDF: 129.7/111

- sign -267.474+/-387.920 χ^2/NDF: 62.3/56

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1541.183+/-0.377 χ^2/NDF: 19519867.0/29

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1033.476+/-0.291 χ^2/NDF: 24287635.6/33

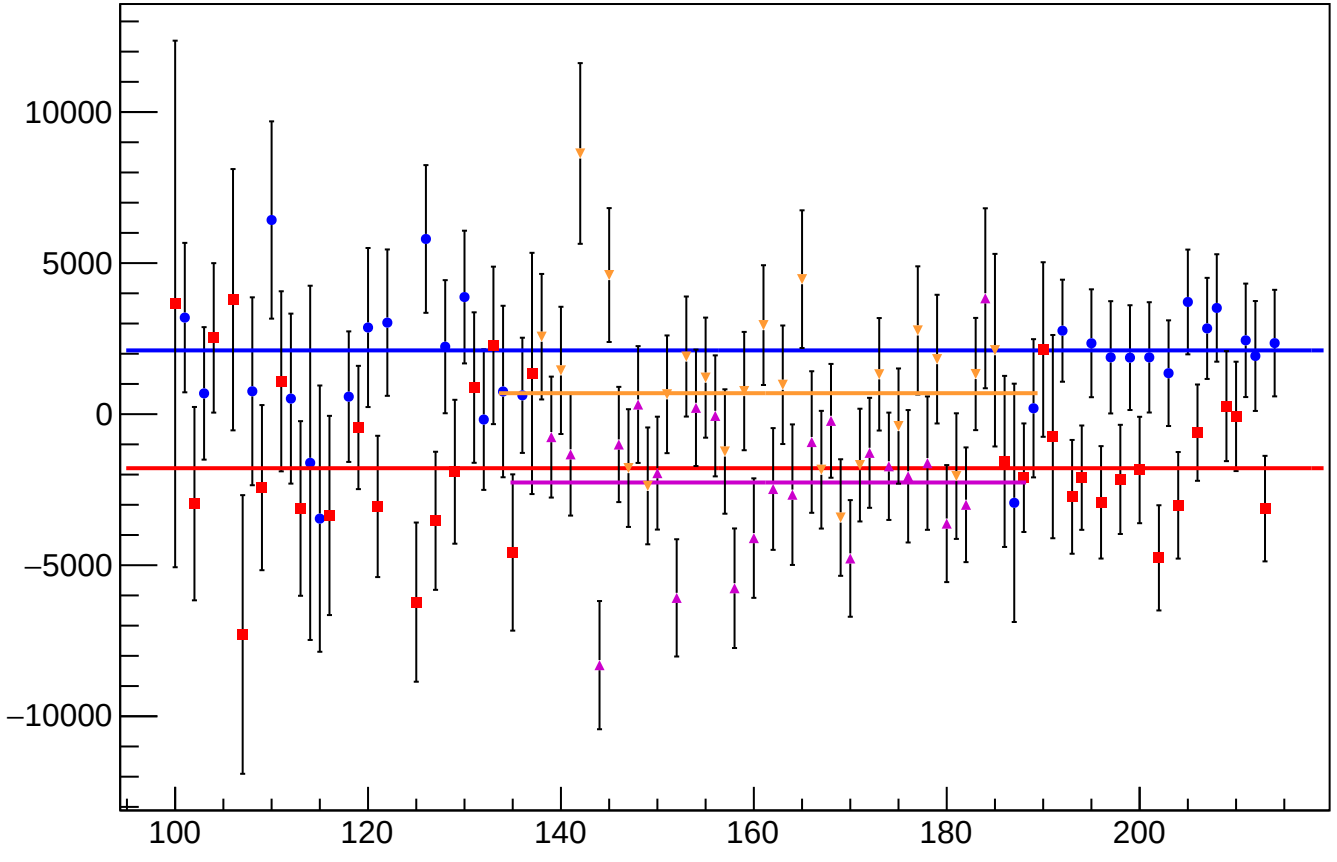
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1513.288+/-0.268 χ^2/NDF: 42756587.6/54

All: 1486.624+/-0.192 χ^2/NDF: 87819188.5/1

- sign 1458.784+/-0.274 χ^2/NDF: 45042434.1/56

dit_asym_atl_avg_mean vs Slug



Right In: 2110.553+/-390.707 χ^2/NDF: 14.8/29

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1788.637+/-393.886 χ^2/NDF: 27.0/32

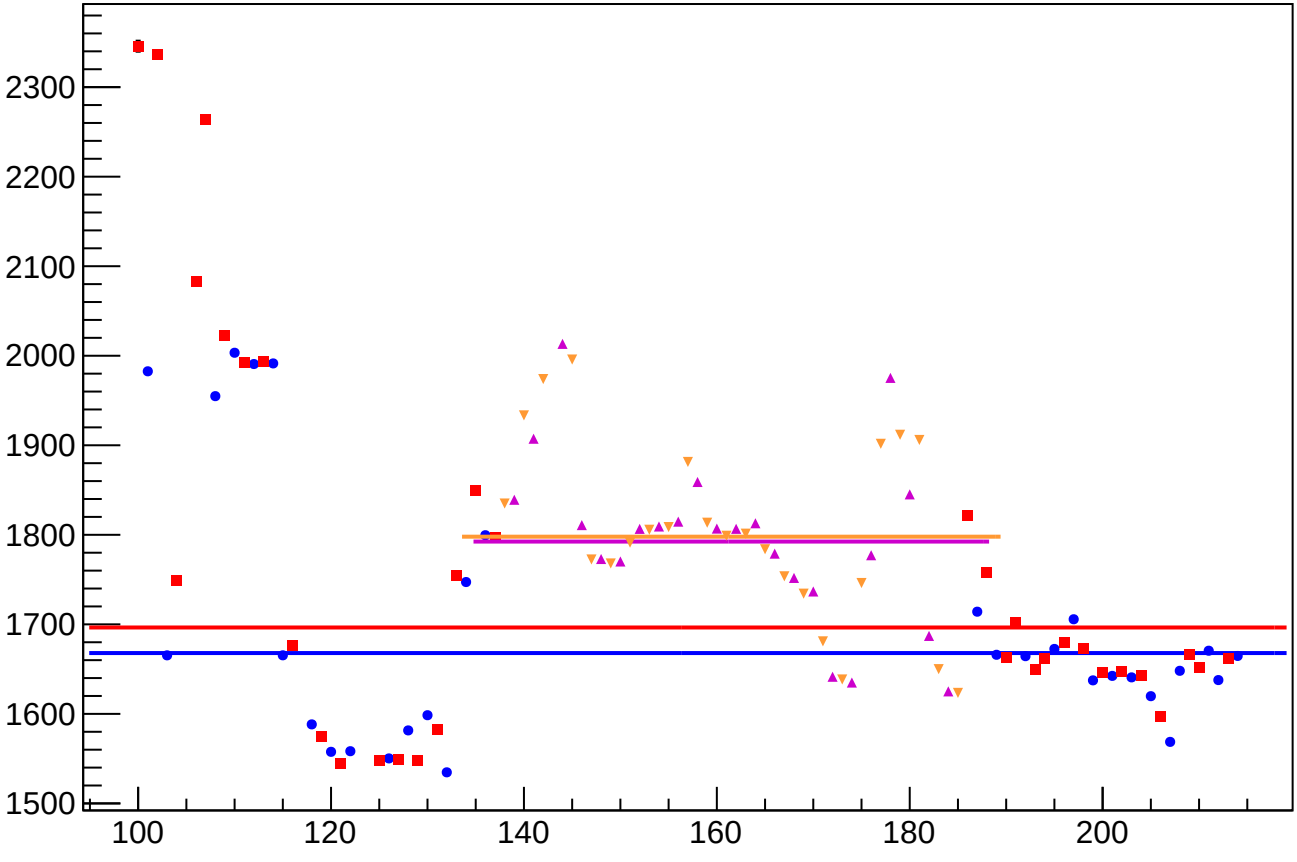
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1450.262+/-285.449 χ^2/NDF: 53.1/53

All: -270.477+/-202.405 χ^2/NDF: 184.3/109

- sign -2010.499+/-287.044 χ^2/NDF: 58.0/55

dit_asym_atl_avg_rms vs Slug



Right In: 1667.933+/-0.276 χ^2/NDF: 152609.0/29

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

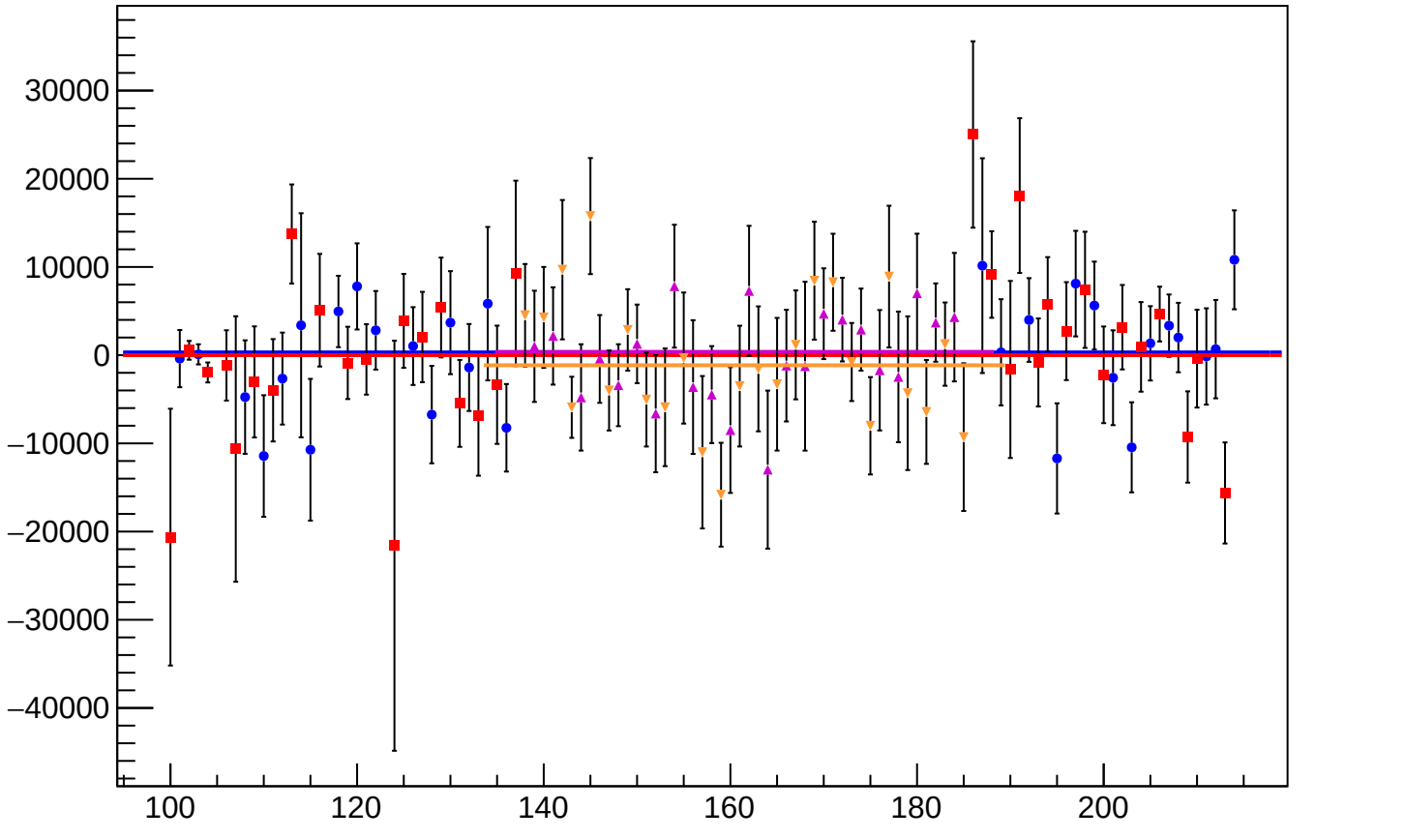
Right Out: 1696.488+/-0.278 χ^2/NDF: 286706.5/32

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1728.532+/-0.202 χ^2/NDF: 353805.5/53

All: 1734.957+/-0.143 χ^2/NDF: 791132.3/109

- sign 1741.449+/-0.203 χ^2/NDF: 435289.8/55



Right In: 312.353+/-730.841 χ^2/NDF: 32.3/29

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 1.414+/-609.515 χ^2/NDF: 48.5/33

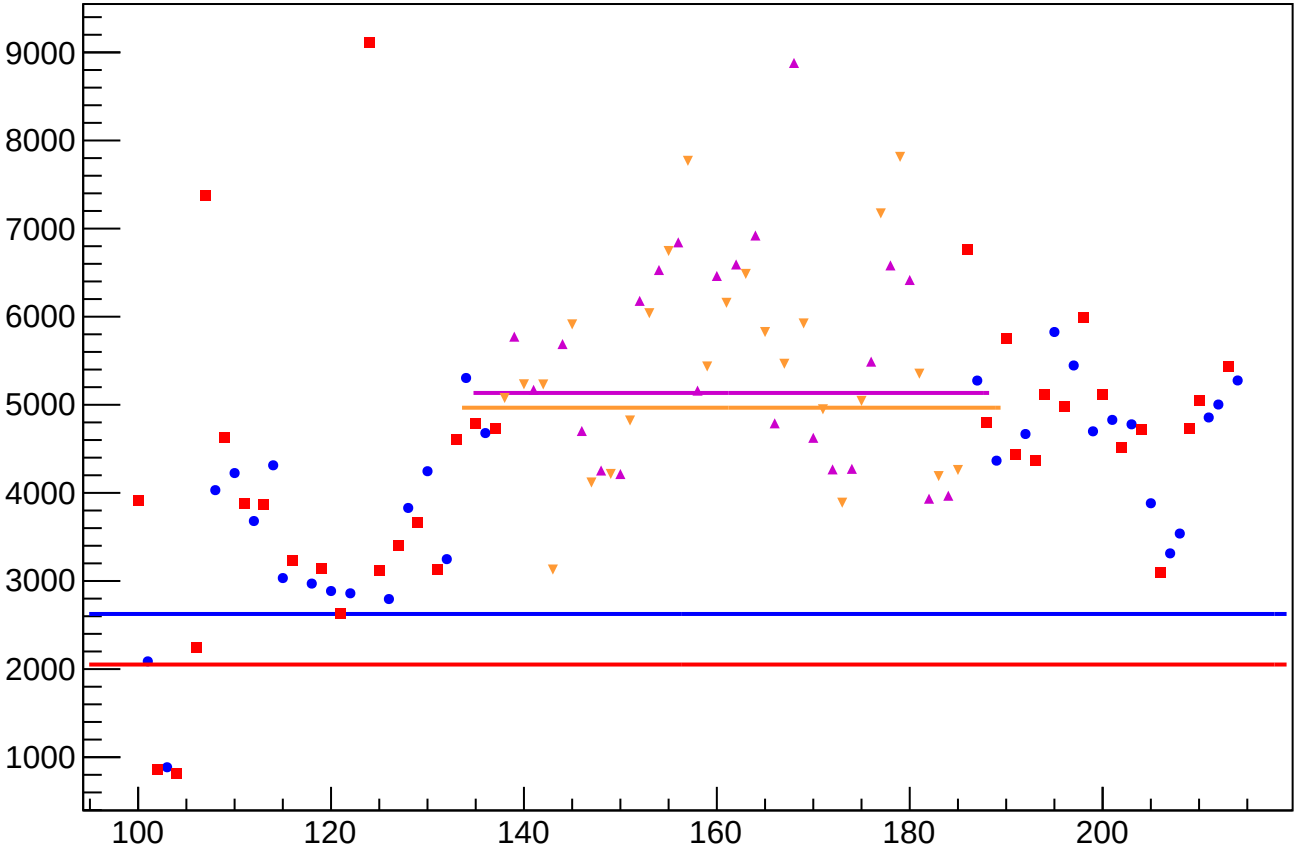
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -99.318+/-619.021 χ^2/NDF: 66.0/54

All: -1.180+/-409.485 χ^2/NDF: 128.0/111

\- sign 75.177+/-546.023 χ^2/NDF: 61.9/56

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2625.689+/-0.517 χ^2/NDF: 10015660.7/29

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2051.744+/-0.431 χ^2/NDF: 15165420.9/33

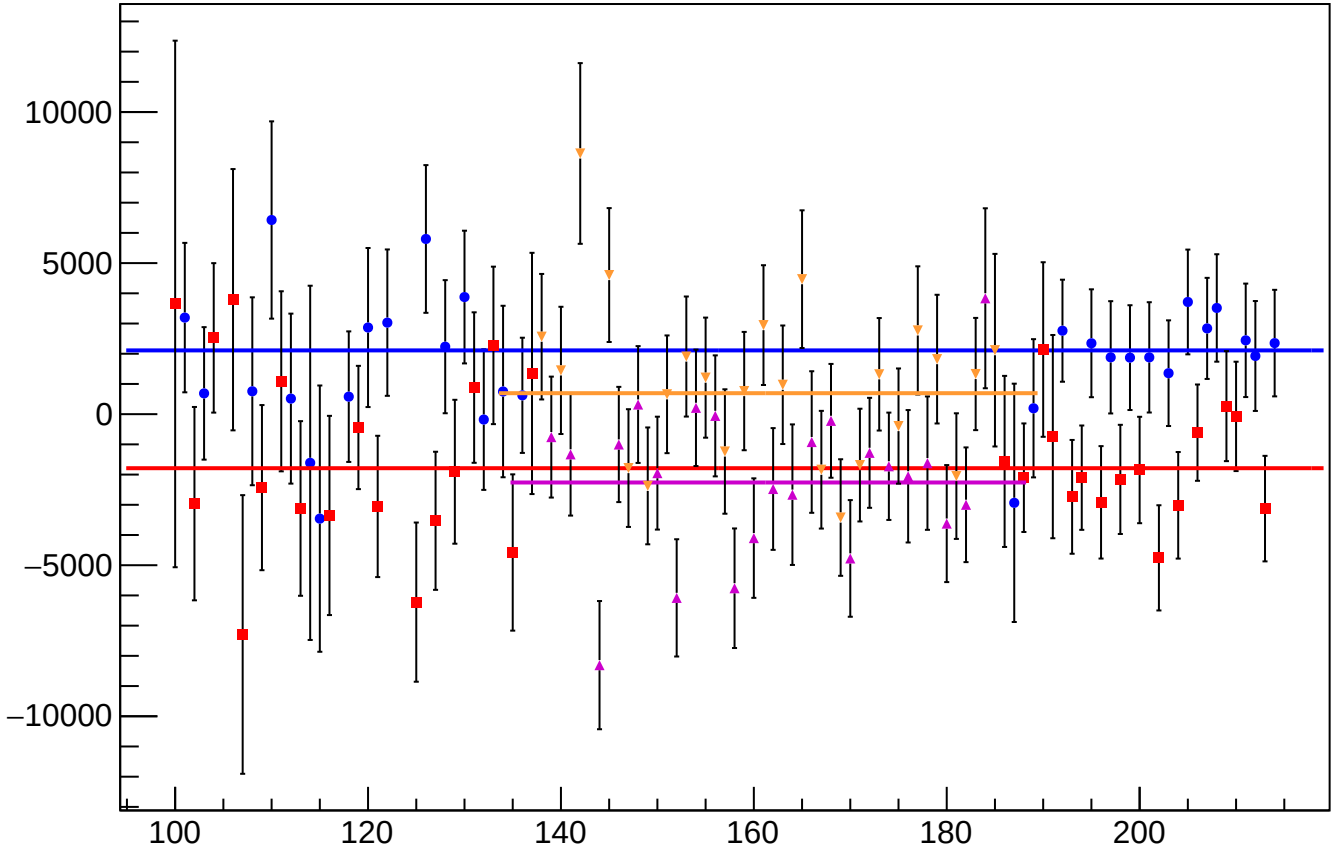
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3287.296+/-0.438 χ^2/NDF: 17733497.3/54

All: 2934.794+/-0.290 χ^2/NDF: 45642263.6/1

- sign 2660.527+/-0.386 χ^2/NDF: 26755612.3/56

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 2110.551+/-390.707 χ^2/NDF: 14.8/29

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1788.634+/-393.886 χ^2/NDF: 27.0/32

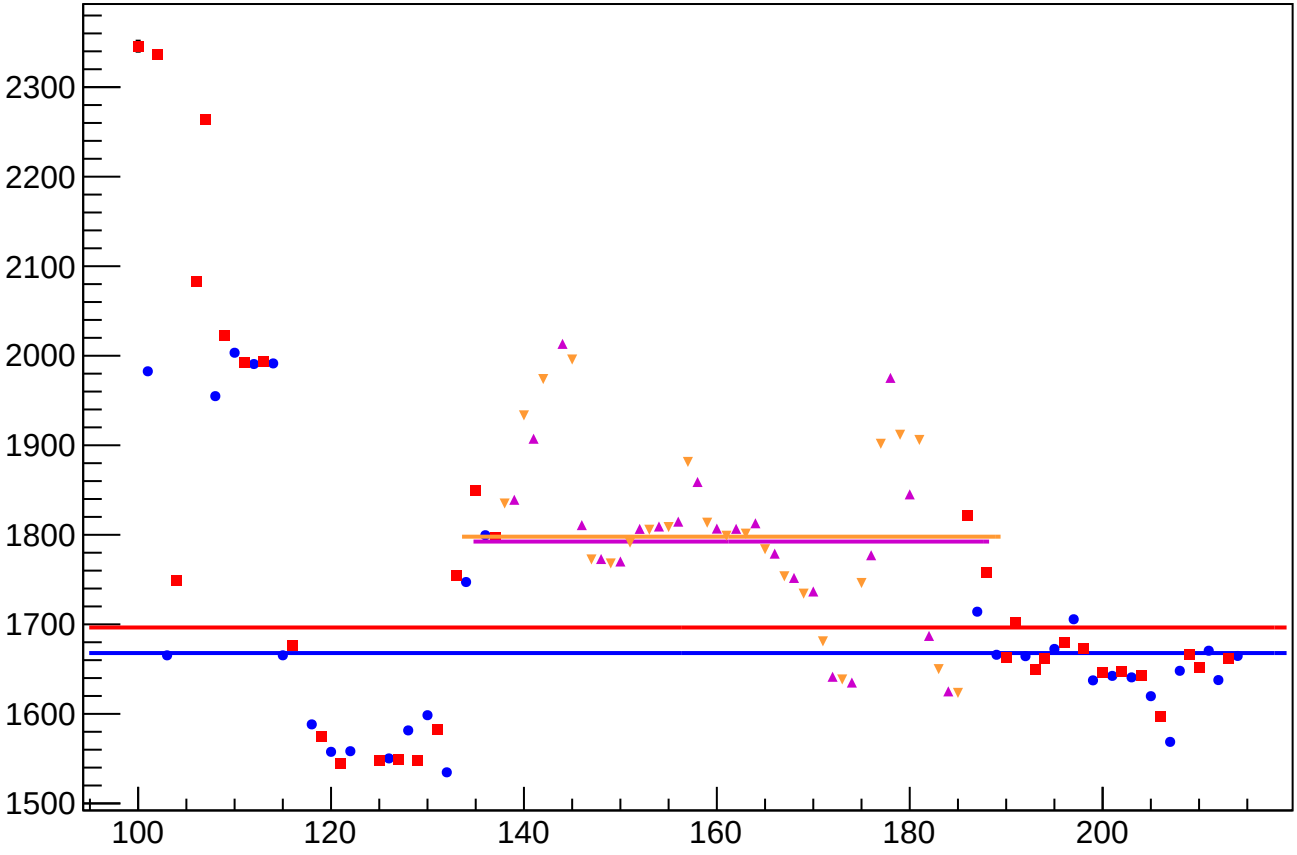
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1450.260+/-285.449 χ^2/NDF: 53.1/53

All: -270.477+/-202.405 χ^2/NDF: 184.3/109

- sign -2010.497+/-287.044 χ^2/NDF: 58.0/55

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1667.933+/-0.276 χ^2/NDF: 152609.2/29

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1696.488+/-0.278 χ^2/NDF: 286705.9/32

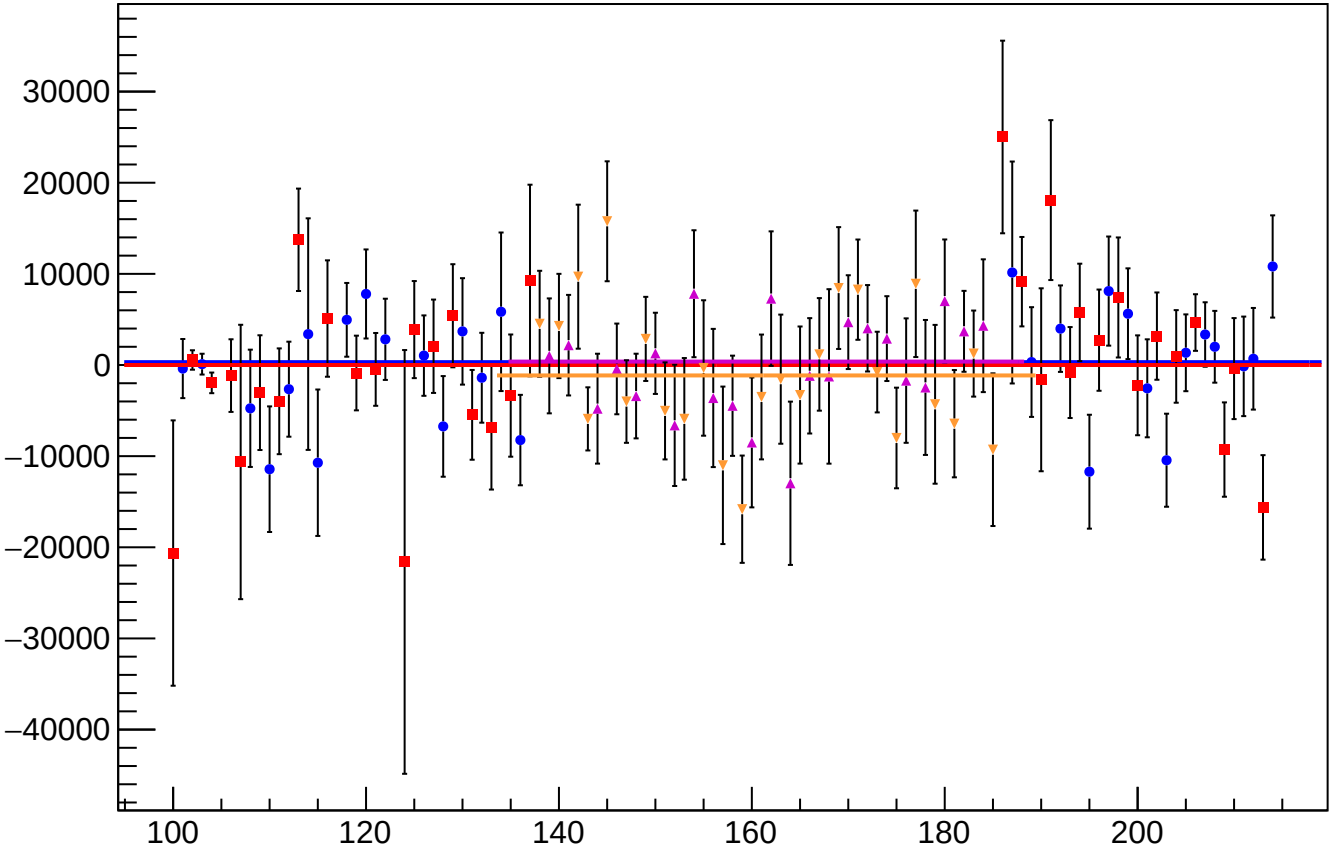
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1728.532+/-0.202 χ^2/NDF: 353811.3/53

All: 1734.957+/-0.143 χ^2/NDF: 791142.6/109

- sign 1741.449+/-0.203 χ^2/NDF: 435294.2/55

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 312.352+/-730.839 χ^2/NDF: 32.3/29

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 1.408+/-609.511 χ^2/NDF: 48.5/33

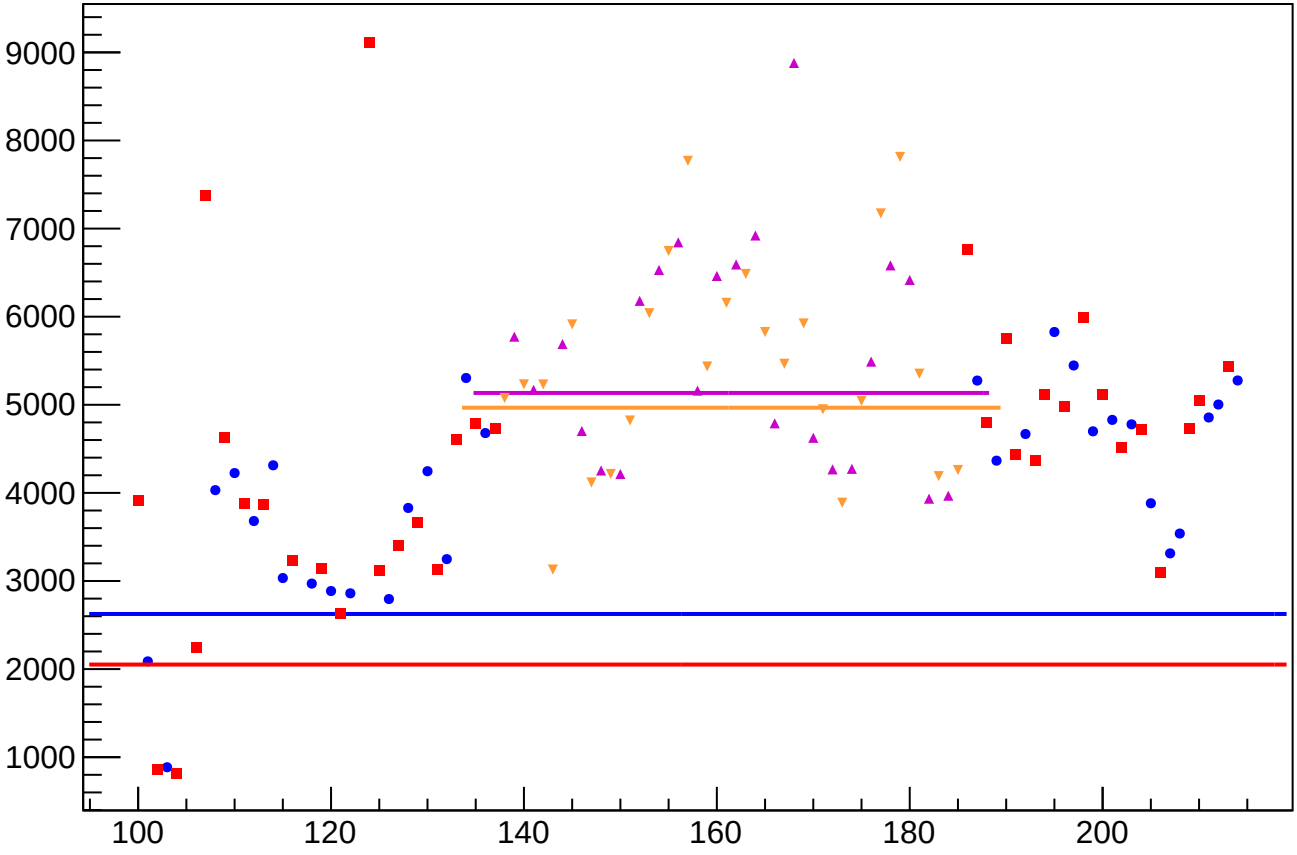
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

+ sign -99.317+/-619.020 χ^2/NDF: 66.0/54

All: -1.183+/-409.484 χ^2/NDF: 128.0/111

- sign 75.172+/-546.021 χ^2/NDF: 61.9/56

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2625.671+/-0.517 χ^2/NDF: 10015805.3/29

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2051.726+/-0.431 χ^2/NDF: 15165568.5/33

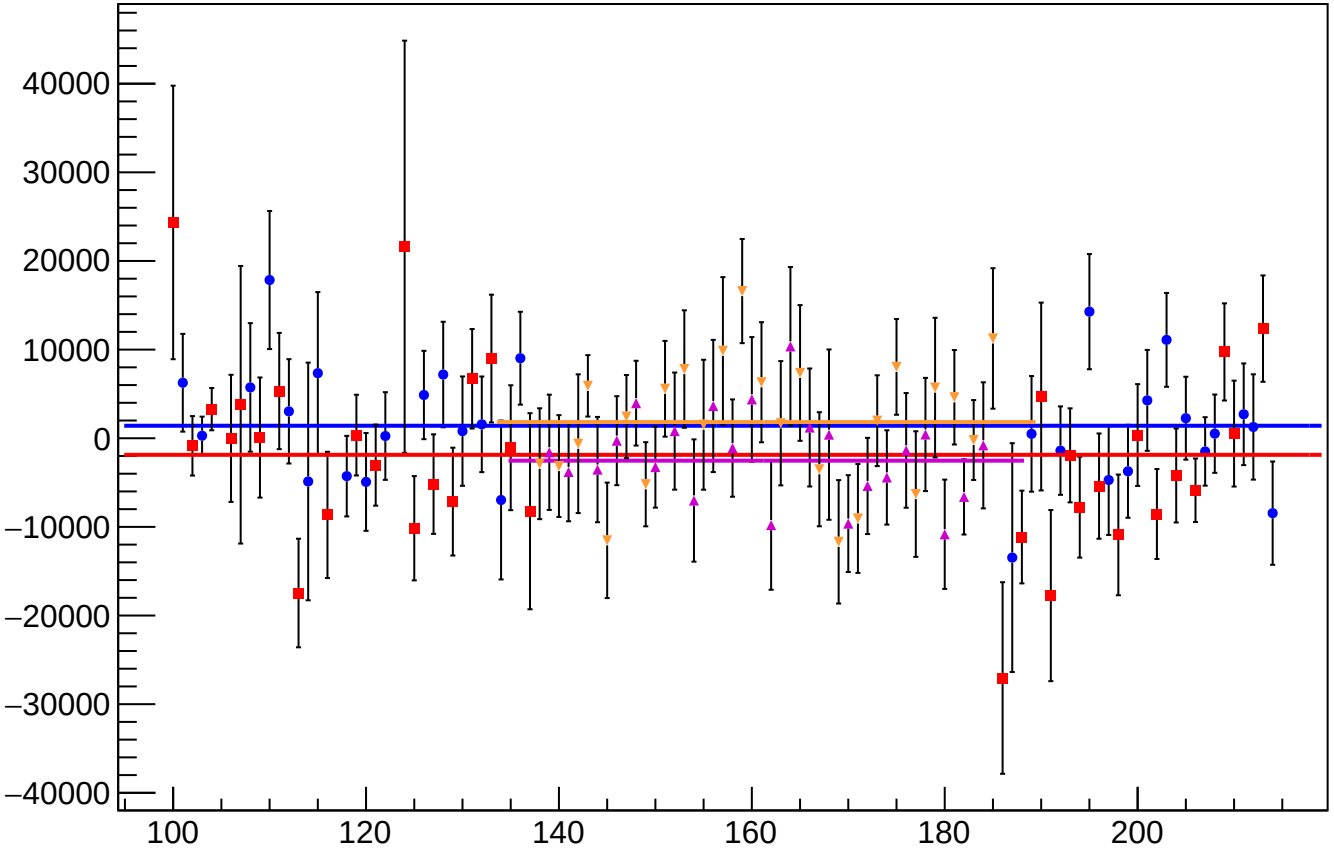
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3287.280+/-0.438 χ^2/NDF: 17733771.1/54

All: 2934.775+/-0.290 χ^2/NDF: 45642881.4/1

- sign 2660.507+/-0.386 χ^2/NDF: 26755932.5/56

asym_atl_avg_mean vs Slug



Right In: 1410.979+/-951.167 χ^2/NDF: 28.6/29

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1871.520+/-952.762 χ^2/NDF: 54.3/33

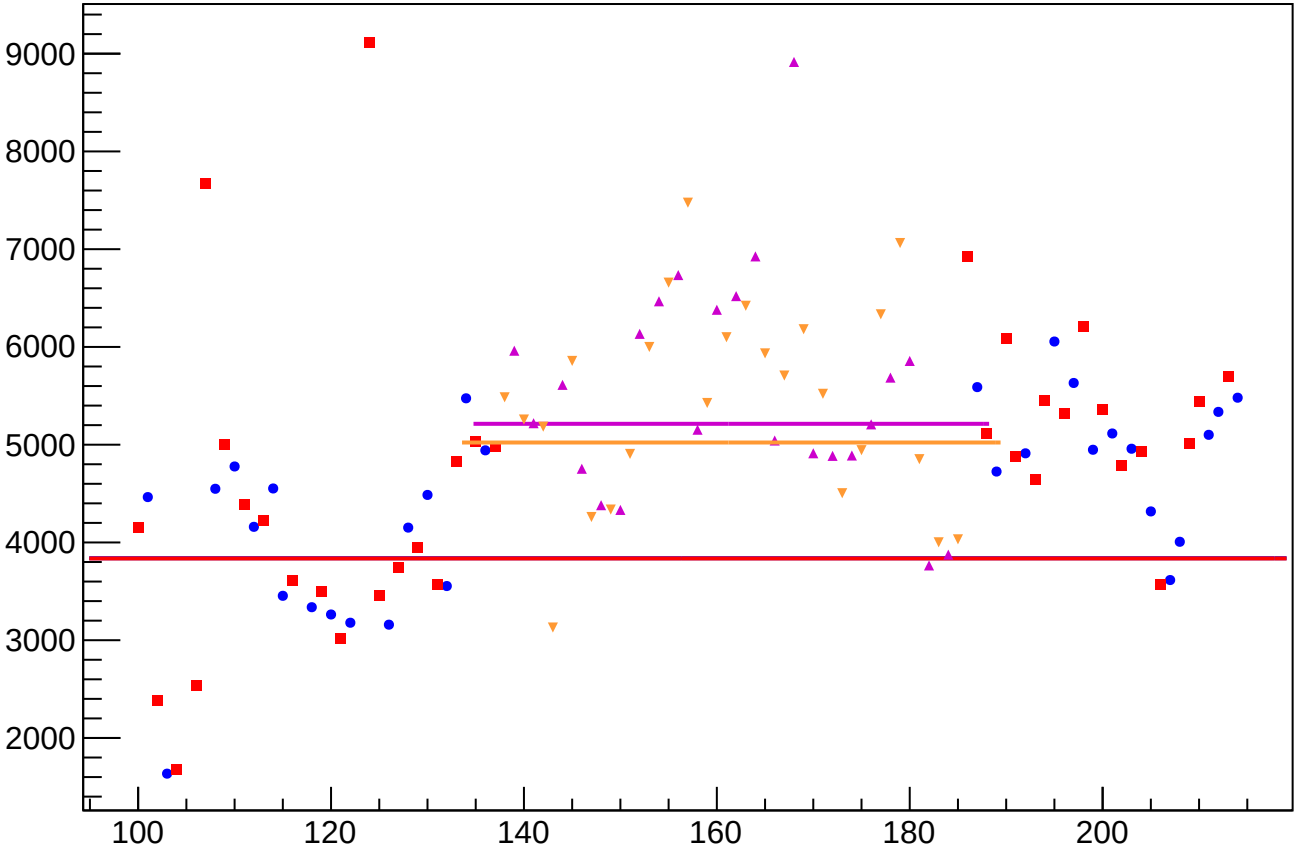
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1575.783+/-738.667 χ^2/NDF: 59.8/54

All: -227.039+/-528.325 χ^2/NDF: 139.7/111

- sign -2115.269+/-755.962 χ^2/NDF: 67.7/56

asym_atl_avg_rms vs Slug



Right In: 3838.744+/-0.673 χ^2/NDF: 3751108.6/29

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3836.304+/-0.667 χ^2/NDF: 4380473.1/33

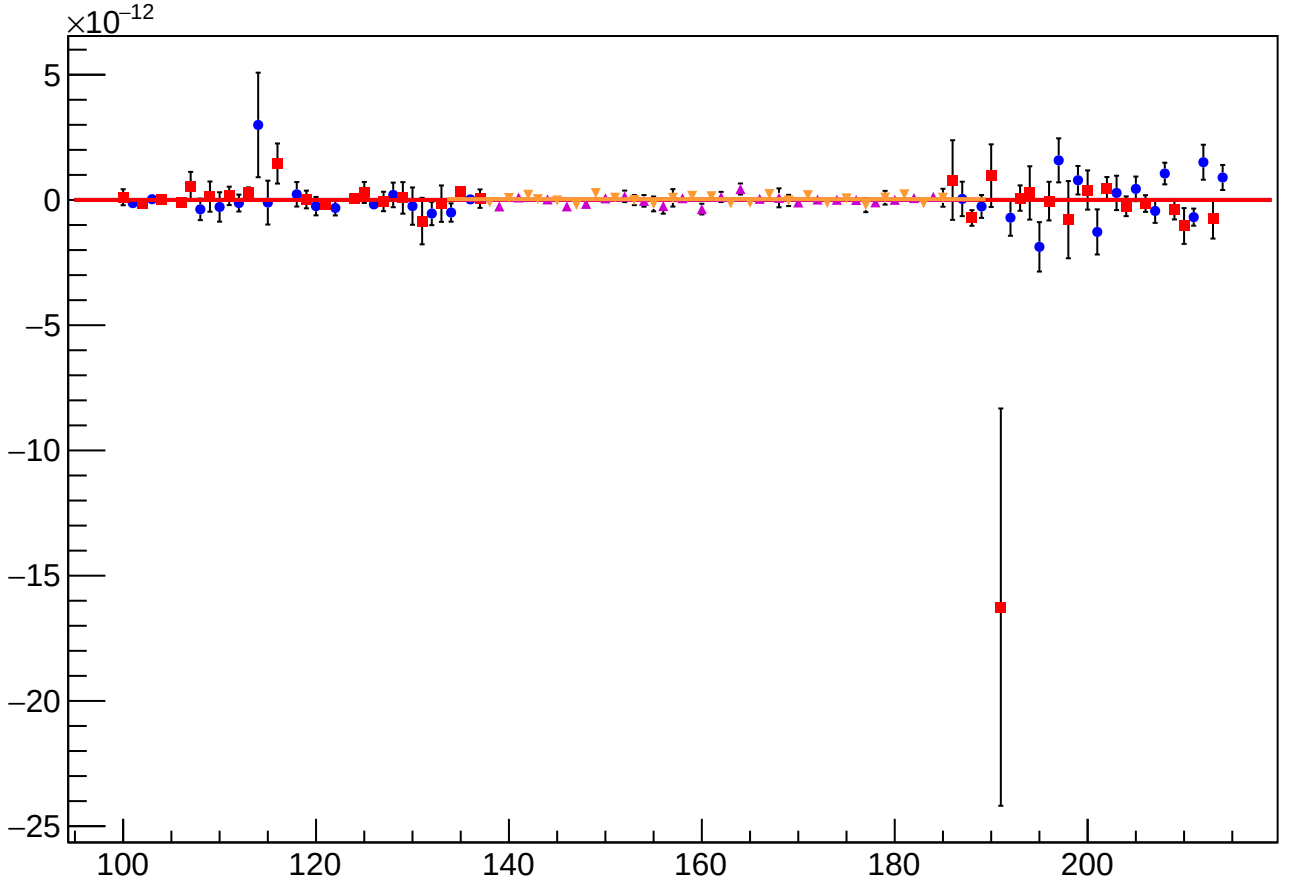
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4308.548+/-0.522 χ^2/NDF: 6657029.6/54

All: 4324.280+/-0.373 χ^2/NDF: 13821512.3/1

- sign 4340.566+/-0.531 χ^2/NDF: 7162636.2/56

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

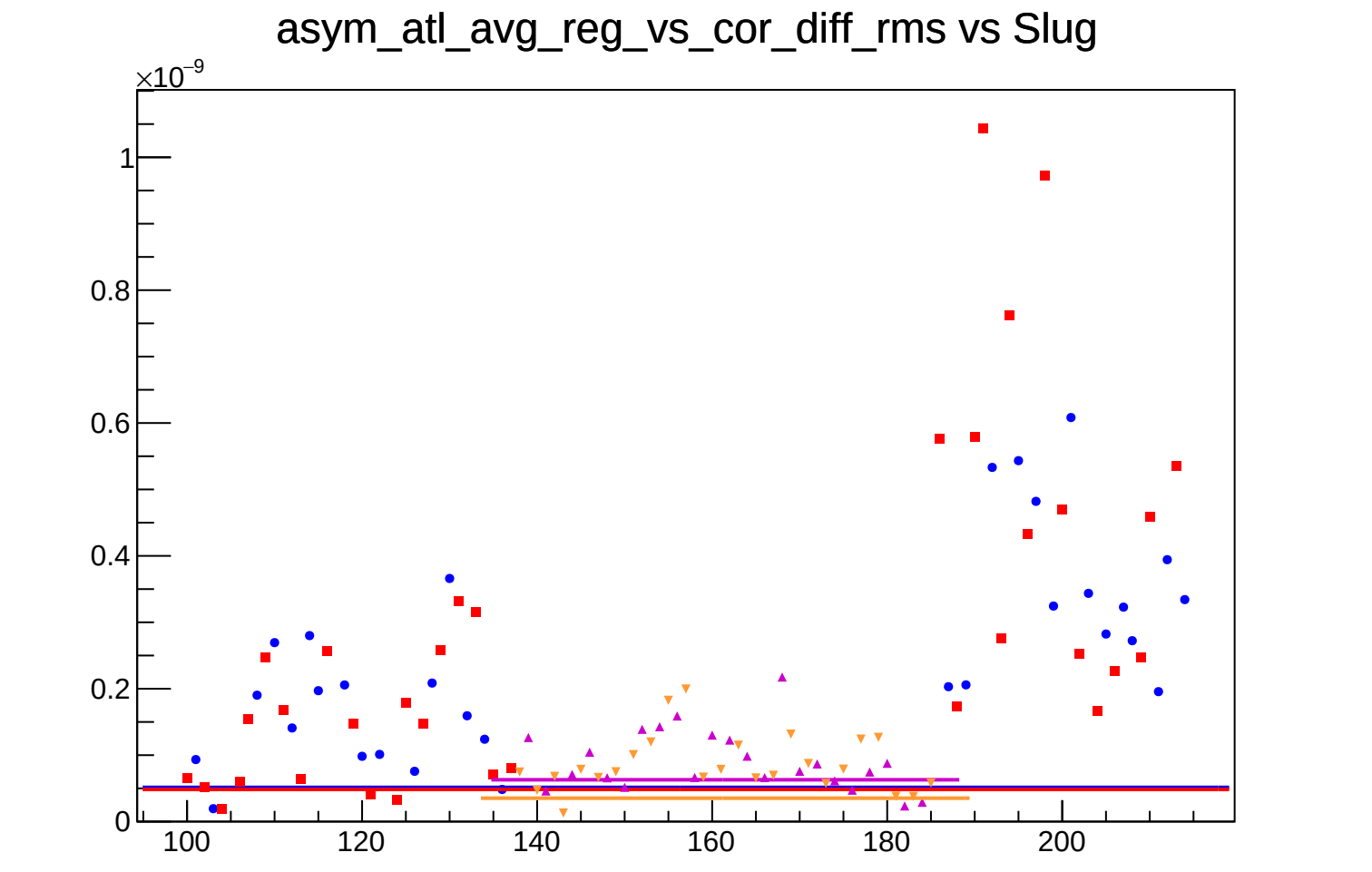
Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/33

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

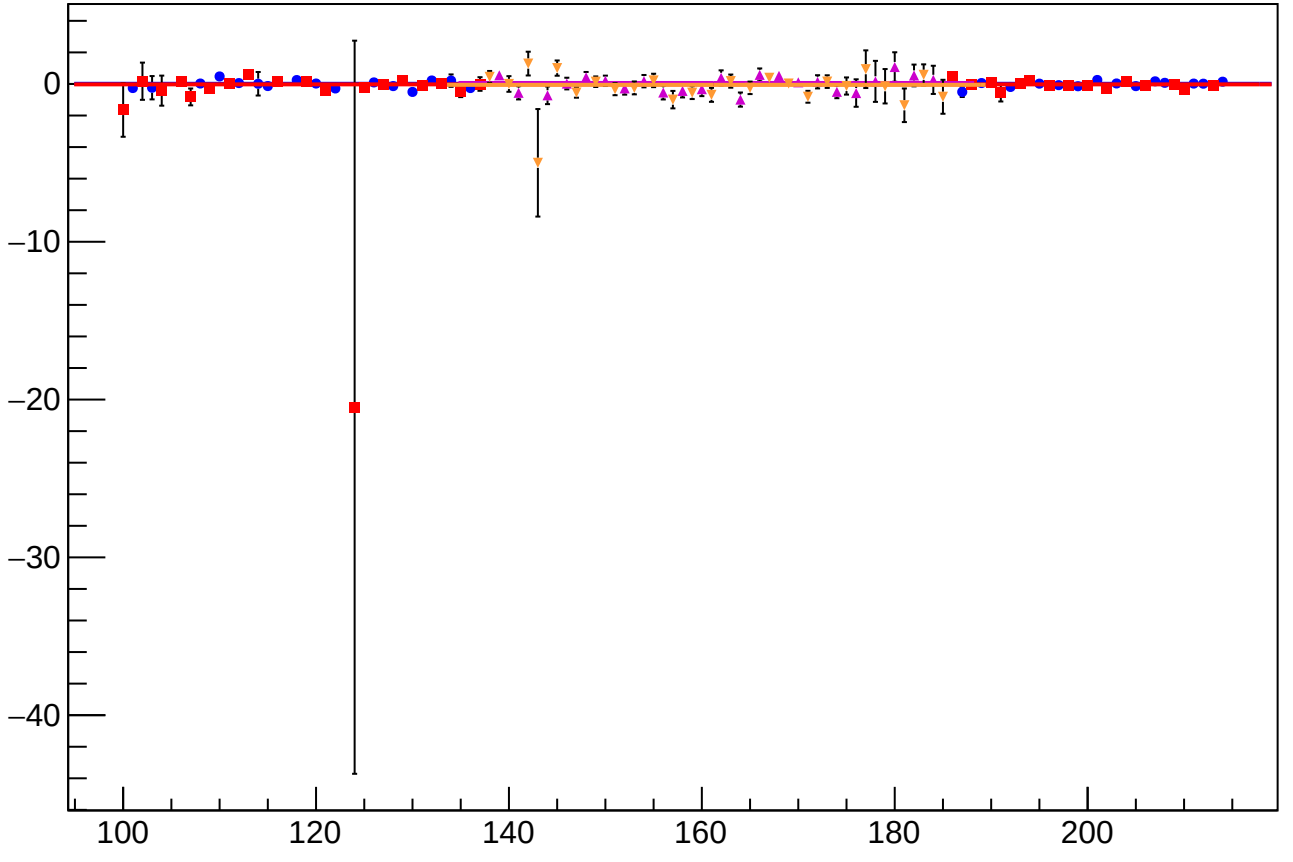
+ sign 0.000+/-0.000 χ^2/NDF: 68.0/54

All: 0.000+/-0.000 χ^2/NDF: 119.2/111

- sign 0.000+/-0.000 χ^2/NDF: 50.8/56


asym_atl_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10072243.5/29
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 10052841.8/33
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 16950248.0/54
All: 0.000+/-0.000 χ²/NDF: 31074213.1/111
- sign 0.000+/-0.000 χ²/NDF: 13225380.2/56

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.035 χ^2/NDF: 28.2/29

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.026+/-0.034 χ^2/NDF: 35.9/33

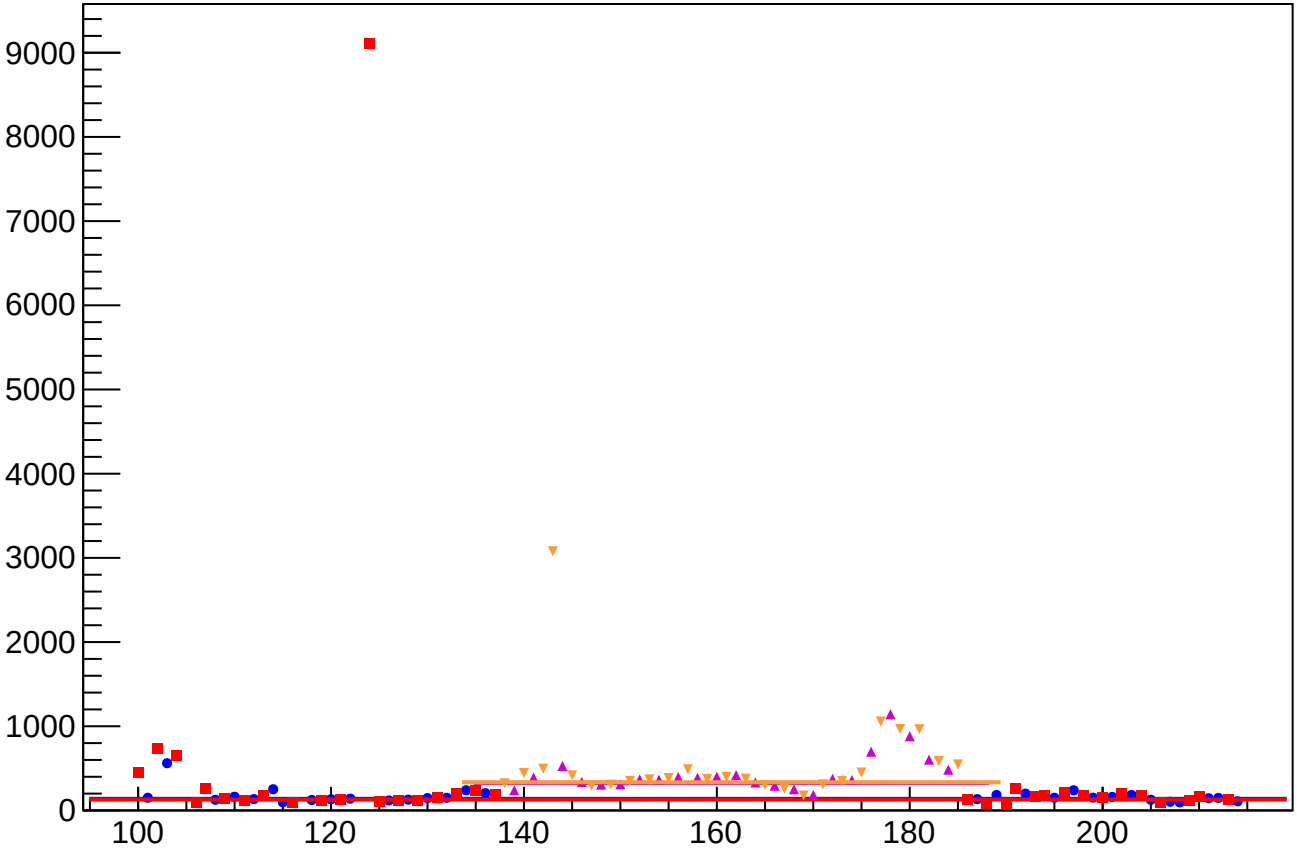
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign 0.001+/-0.032 χ^2/NDF: 61.8/54

All: -0.006+/-0.022 χ^2/NDF: 126.8/111

- sign -0.013+/-0.031 χ^2/NDF: 64.9/56

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.881+/-0.025 χ^2/NDF: 2408217.4/29

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.713+/-0.024 χ^2/NDF: 4273317.8/33

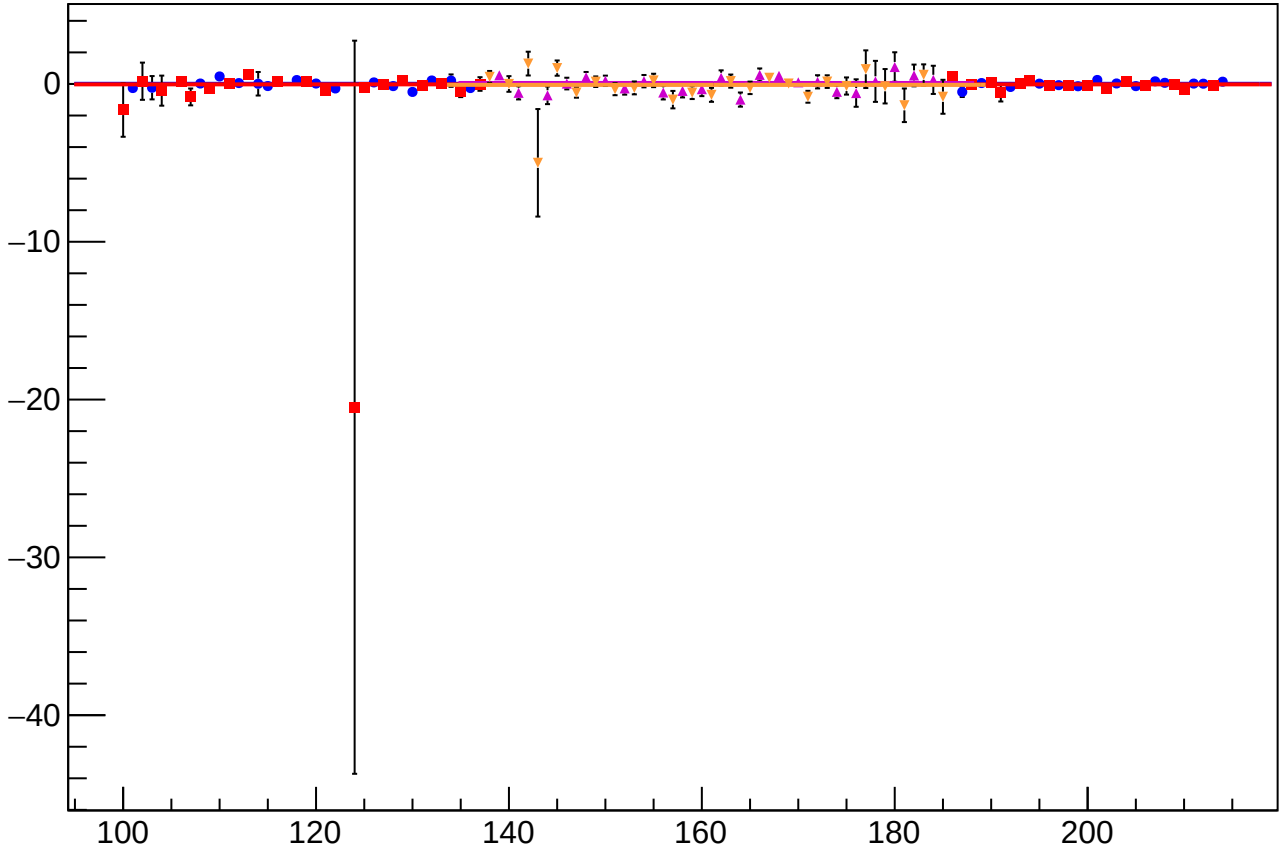
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 166.579+/-0.023 χ^2/NDF: 17552230.9/54

All: 162.025+/-0.016 χ^2/NDF: 35870476.4/11

- sign 157.779+/-0.022 χ^2/NDF: 18241282.7/56

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.010+/-0.035 χ^2/NDF: 28.2/29

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.026+/-0.034 χ^2/NDF: 35.9/33

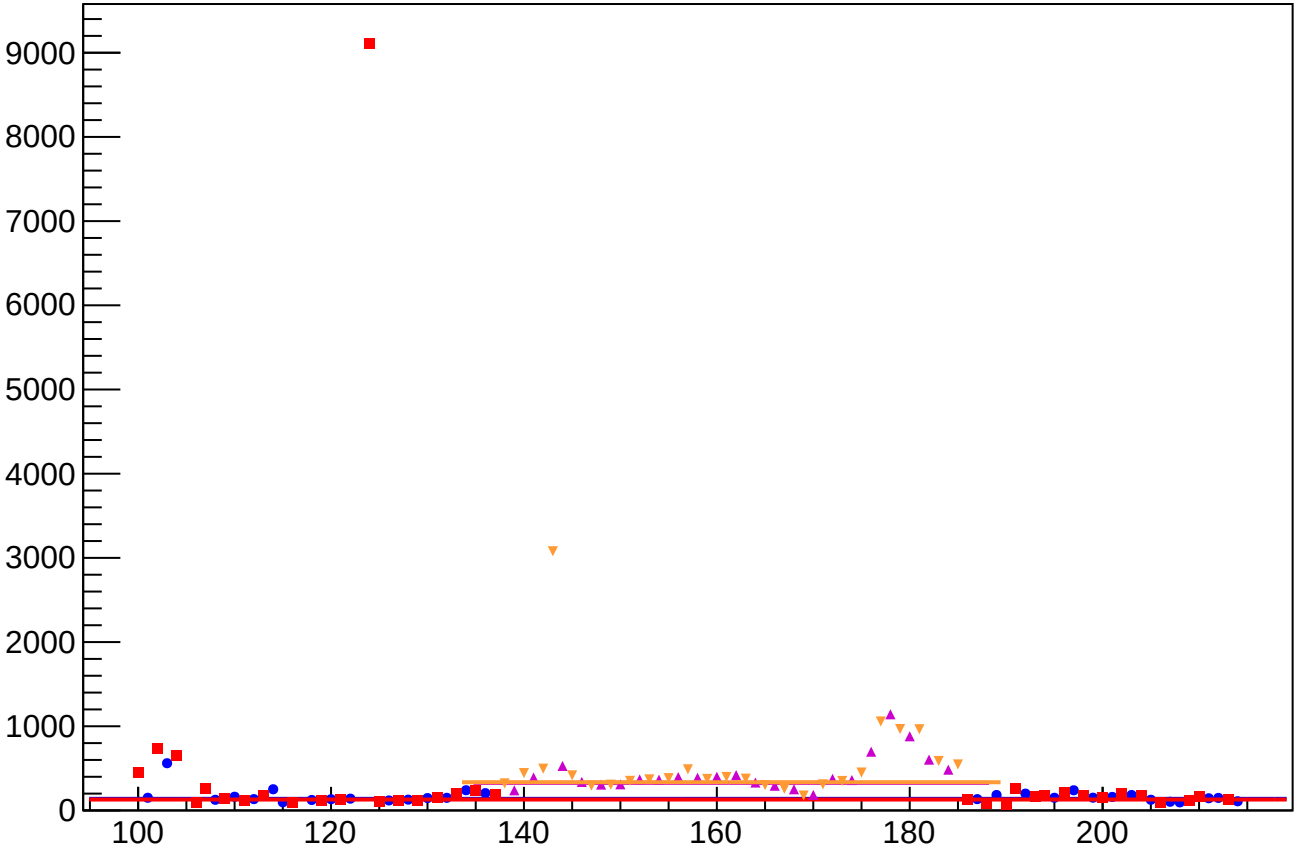
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign 0.001+/-0.032 χ^2/NDF: 61.8/54

All: -0.006+/-0.022 χ^2/NDF: 126.8/111

- sign -0.013+/-0.031 χ^2/NDF: 64.9/56

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.881+/-0.025 χ^2/NDF: 2408217.4/29

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

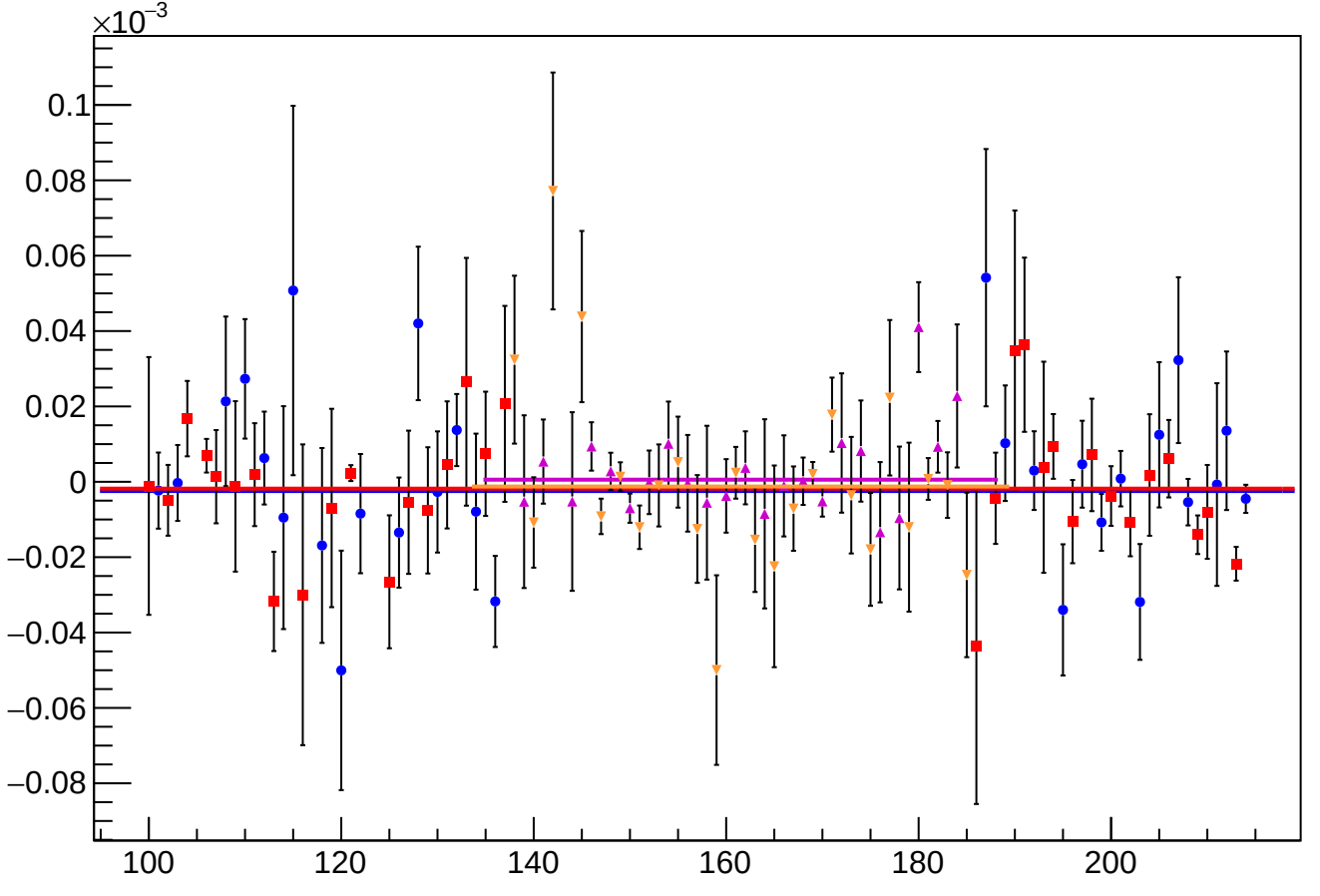
Right Out: 129.713+/-0.024 χ^2/NDF: 4273317.8/33

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 166.579+/-0.023 χ^2/NDF: 17552230.9/54

All: 162.025+/-0.016 χ^2/NDF: 35870476.4/11

- sign 157.779+/-0.022 χ^2/NDF: 18241282.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 39.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 56.1/32

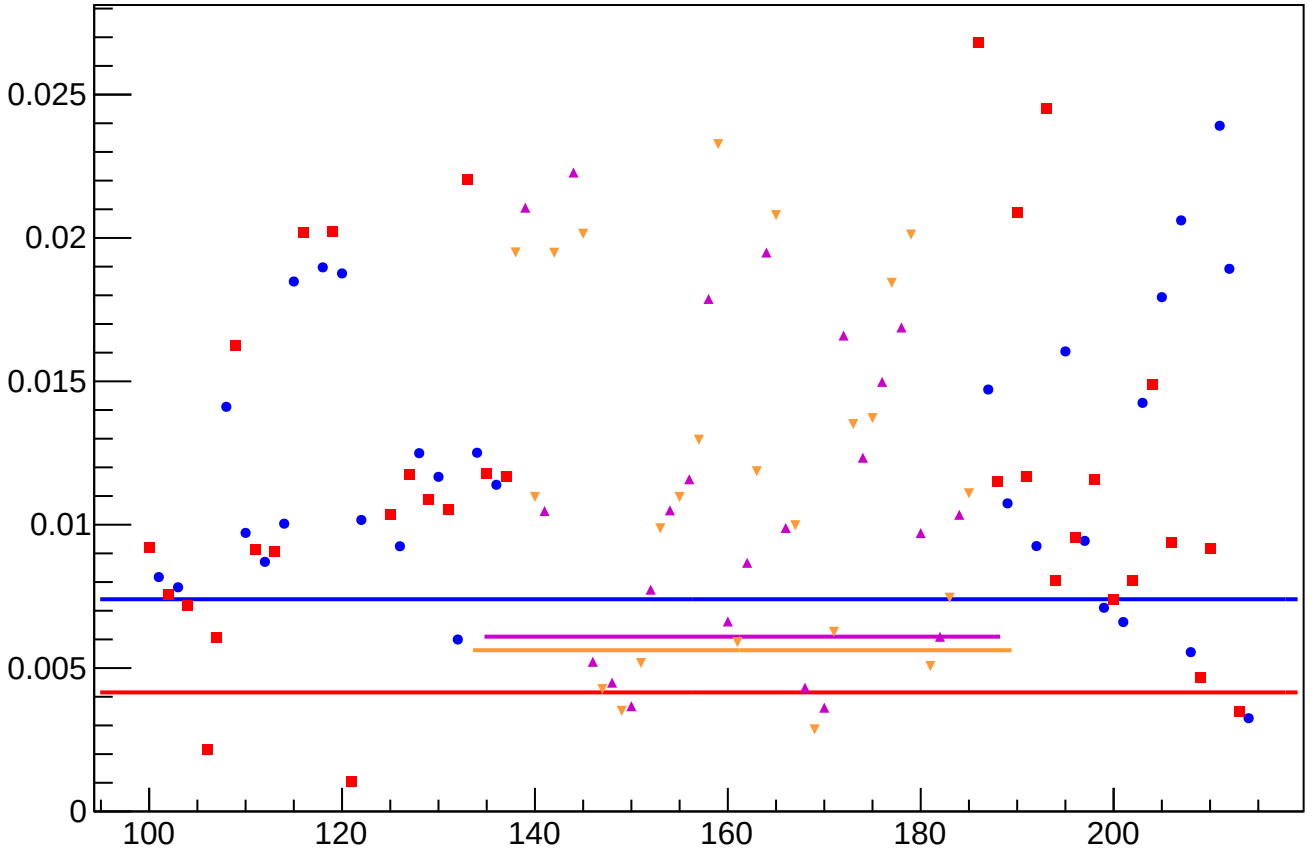
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/53

All: -0.000+/-0.000 χ^2/NDF: 158.9/109

- sign -0.000+/-0.000 χ^2/NDF: 82.7/55

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 8328112.5/29

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16686372.3/32

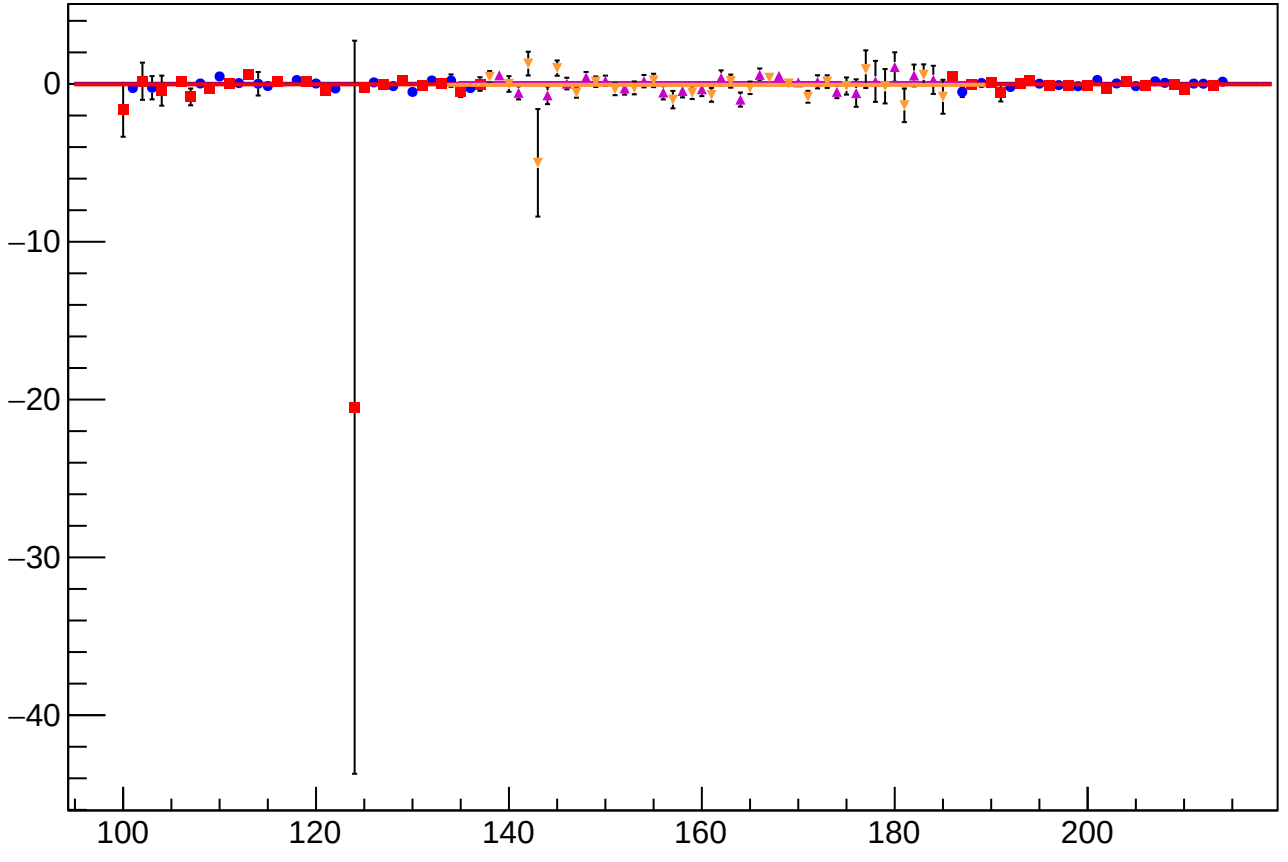
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 20450530.4/53

All: 0.006+/-0.000 χ^2/NDF: 48863325.3/109

- sign 0.005+/-0.000 χ^2/NDF: 27014381.6/55

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.035 χ^2/NDF: 28.2/29

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.026+/-0.034 χ^2/NDF: 35.9/33

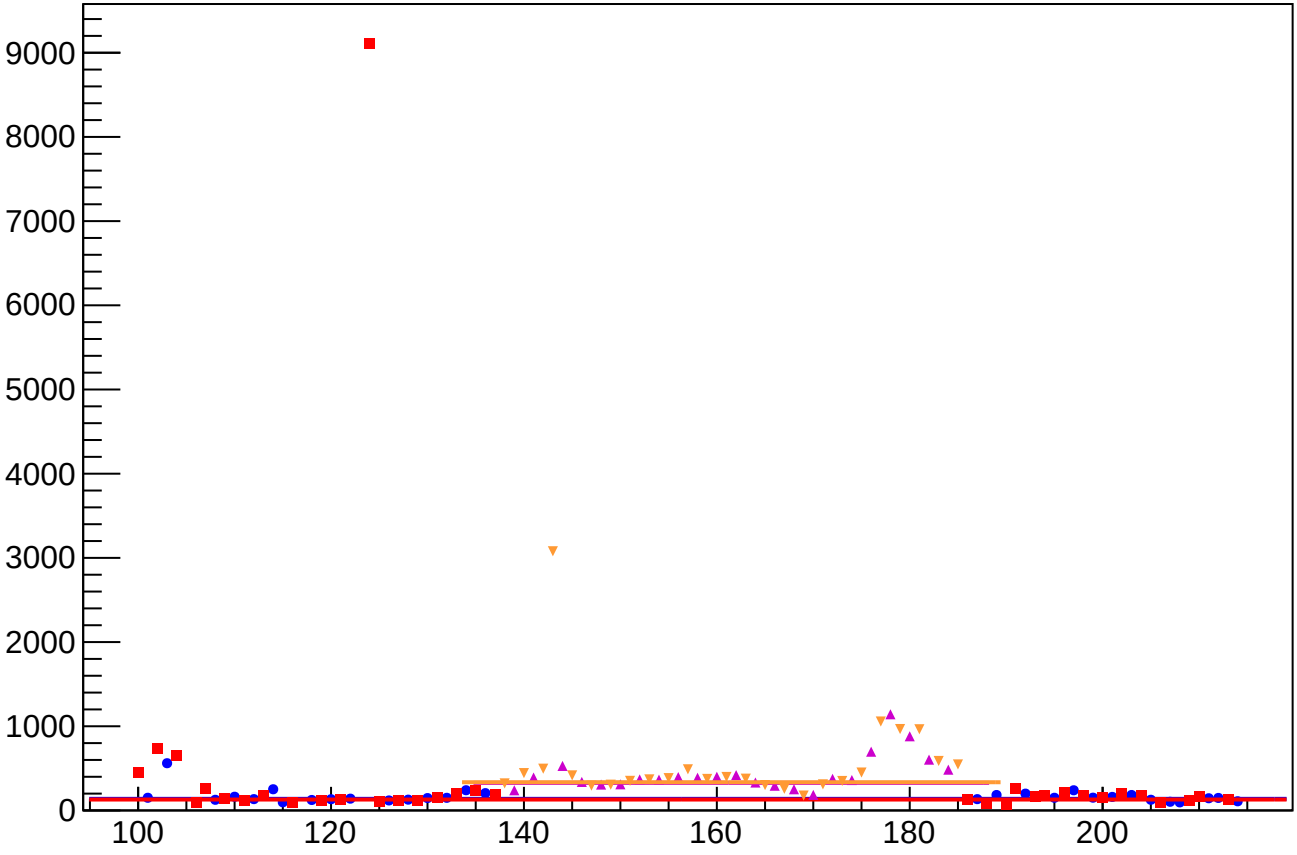
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign 0.001+/-0.032 χ^2/NDF: 61.8/54

All: -0.006+/-0.022 χ^2/NDF: 126.8/111

- sign -0.013+/-0.031 χ^2/NDF: 64.9/56

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 137.878+/-0.025 χ^2/NDF: 2408428.4/29

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

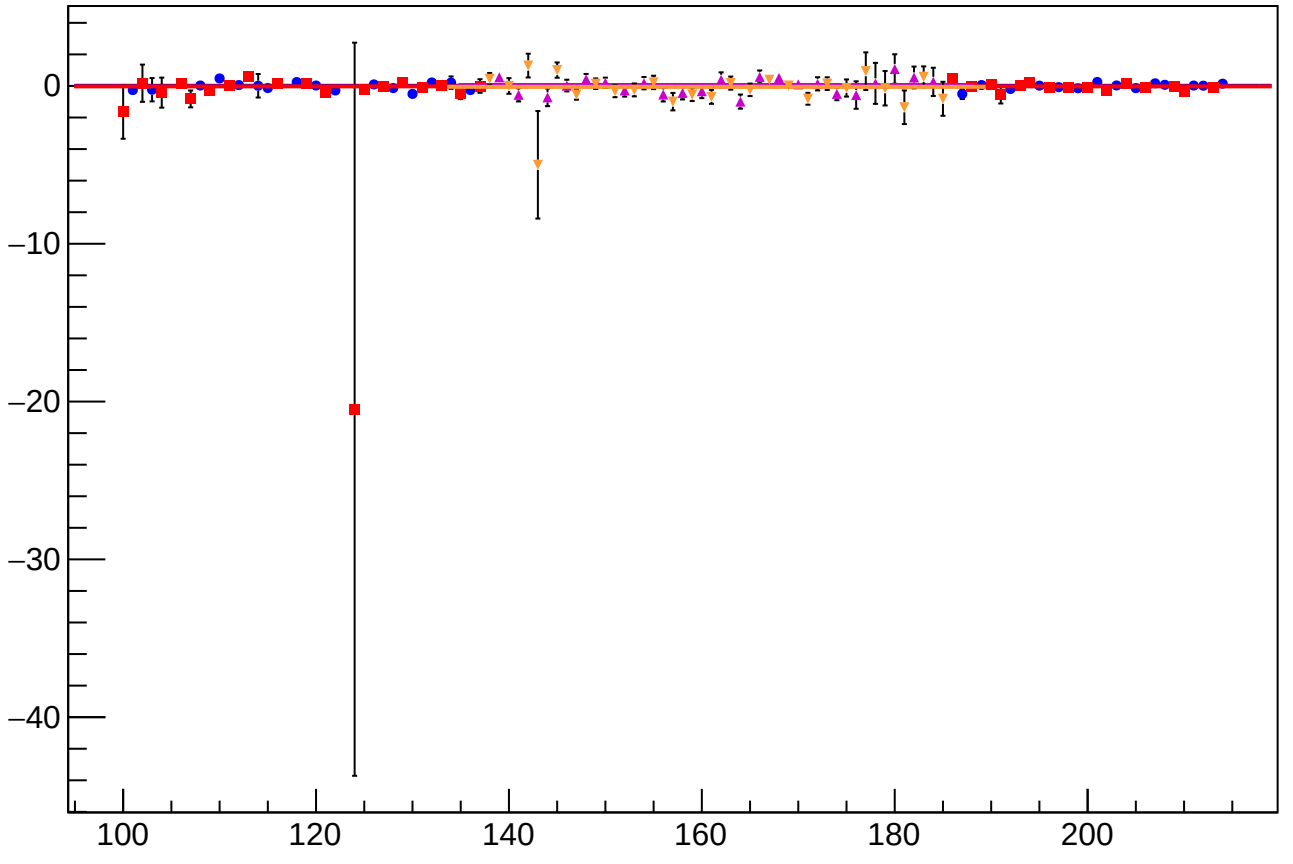
Right Out: 129.711+/-0.024 χ^2/NDF: 4273437.6/33

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 166.576+/-0.023 χ^2/NDF: 17552905.1/54

All: 162.022+/-0.016 χ^2/NDF: 35871651.7/11

- sign 157.776+/-0.022 χ^2/NDF: 18241794.6/56



Right In: 0.010+/-0.035 χ^2/NDF: 28.2/29

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.026+/-0.034 χ^2/NDF: 35.9/33

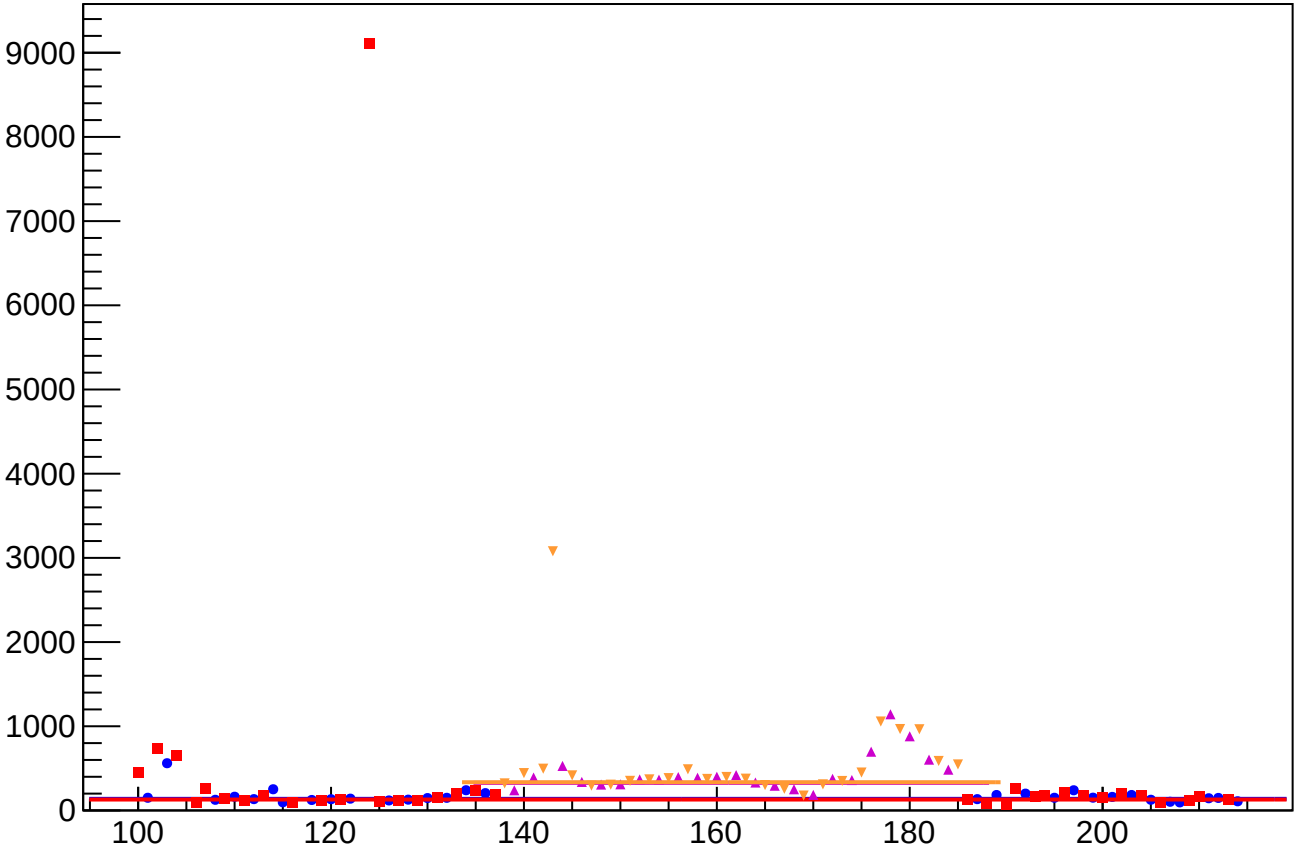
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign 0.001+/-0.032 χ^2/NDF: 61.8/54

All: -0.006+/-0.022 χ^2/NDF: 126.8/111

- sign -0.013+/-0.031 χ^2/NDF: 64.9/56

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 137.878+/-0.025 χ^2/NDF: 2408428.4/29

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

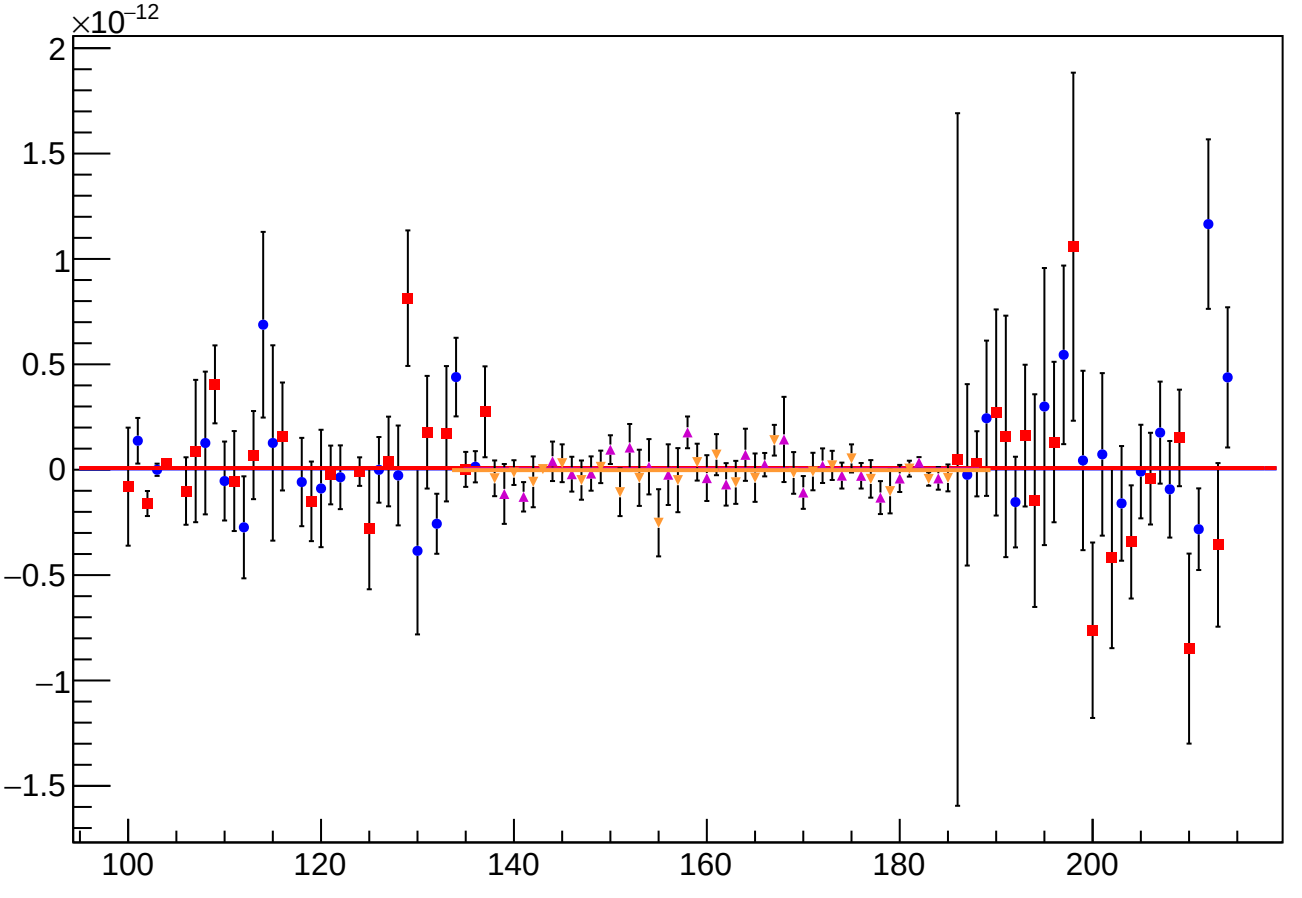
Right Out: 129.711+/-0.024 χ^2/NDF: 4273437.6/33

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 166.576+/-0.023 χ^2/NDF: 17552905.1/54

All: 162.022+/-0.016 χ^2/NDF: 35871651.7/11

- sign 157.776+/-0.022 χ^2/NDF: 18241794.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/33

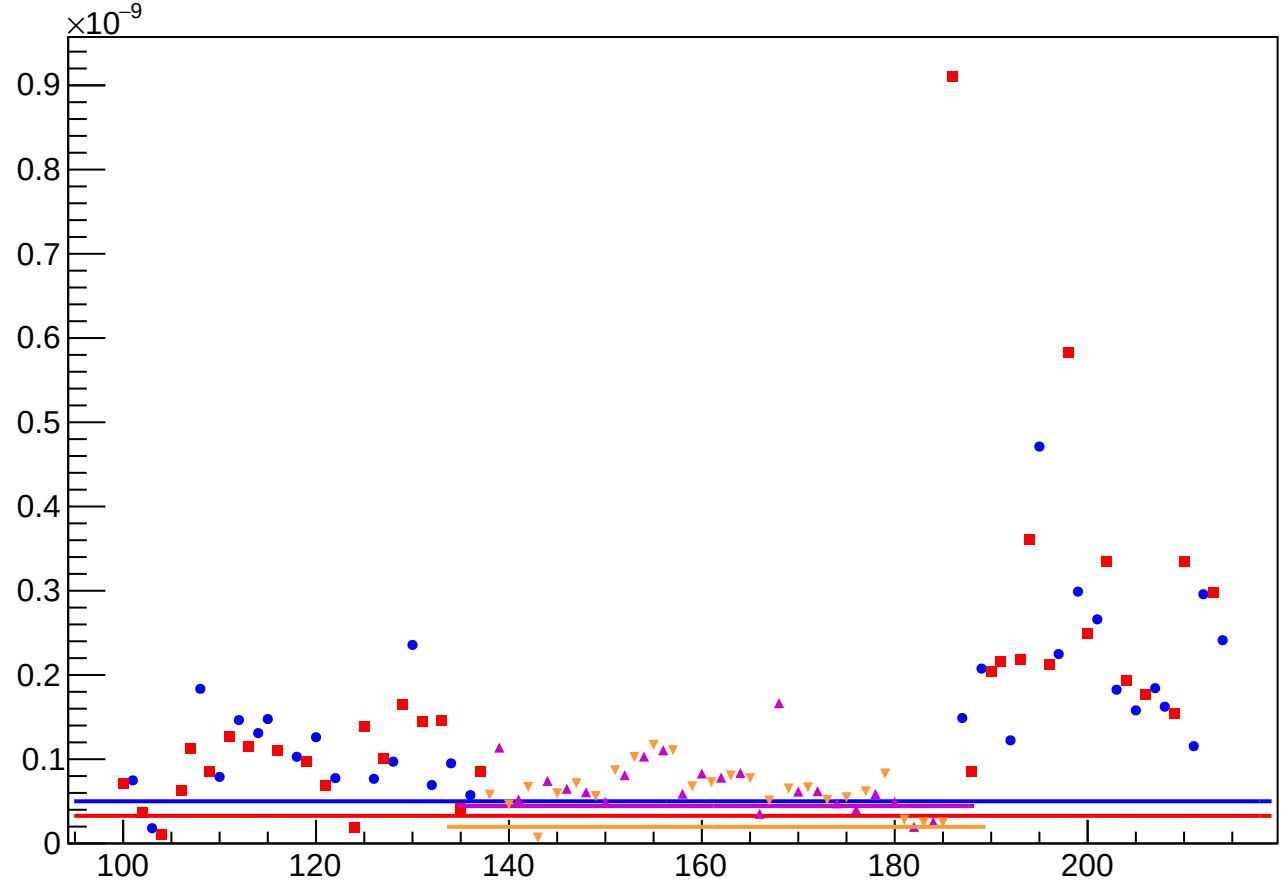
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/54

All: 0.000+/-0.000 χ^2/NDF: 106.8/111

- sign 0.000+/-0.000 χ^2/NDF: 61.1/56

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11318042.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14609480.0/33

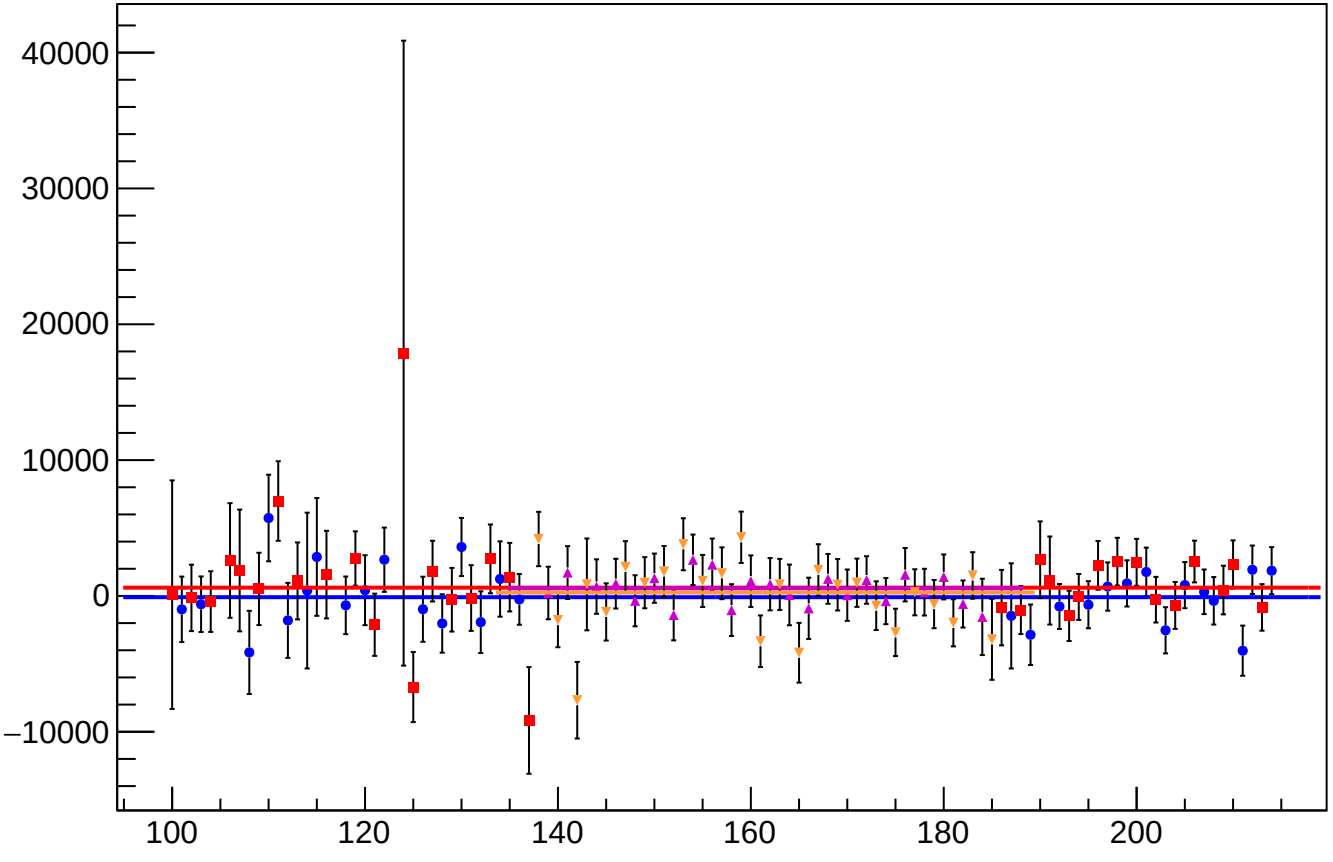
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 29324331.2/54

All: 0.000+/-0.000 χ^2/NDF: 53409482.8/111

- sign 0.000+/-0.000 χ^2/NDF: 21047269.9/56

reg_asym_atl_dd_mean vs Slug



Right In: -92.534+/-381.431 χ^2/NDF: 25.5/29

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 609.384+/-381.848 χ^2/NDF: 34.6/33

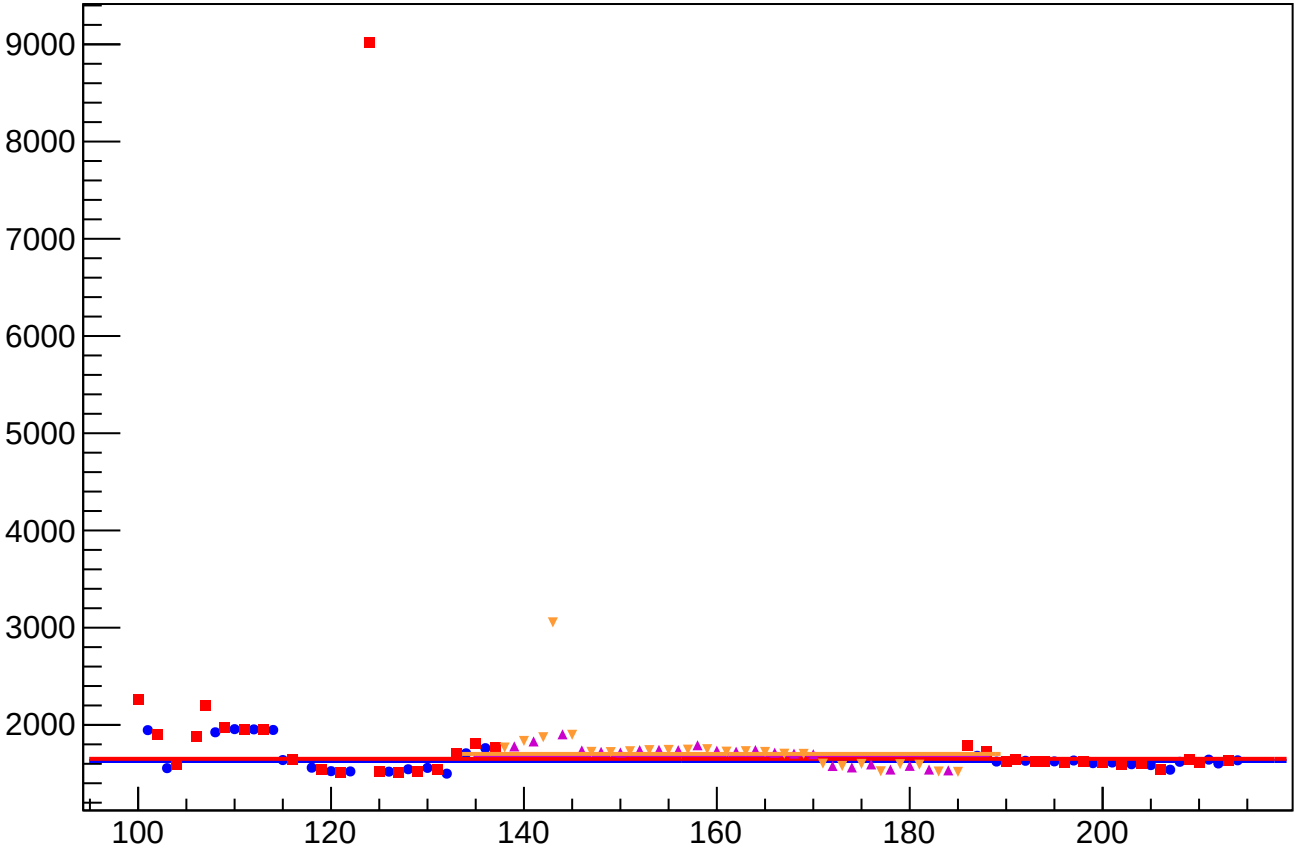
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 74.578+/-272.290 χ^2/NDF: 65.5/54

All: 327.918+/-193.341 χ^2/NDF: 109.4/111

- sign 585.532+/-274.577 χ^2/NDF: 42.1/56

reg_asym_atl_dd_rms vs Slug



Right In: 1628.881+/-0.270 χ^2/NDF: 157685.8/29

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1651.077+/-0.270 χ^2/NDF: 422956.6/33

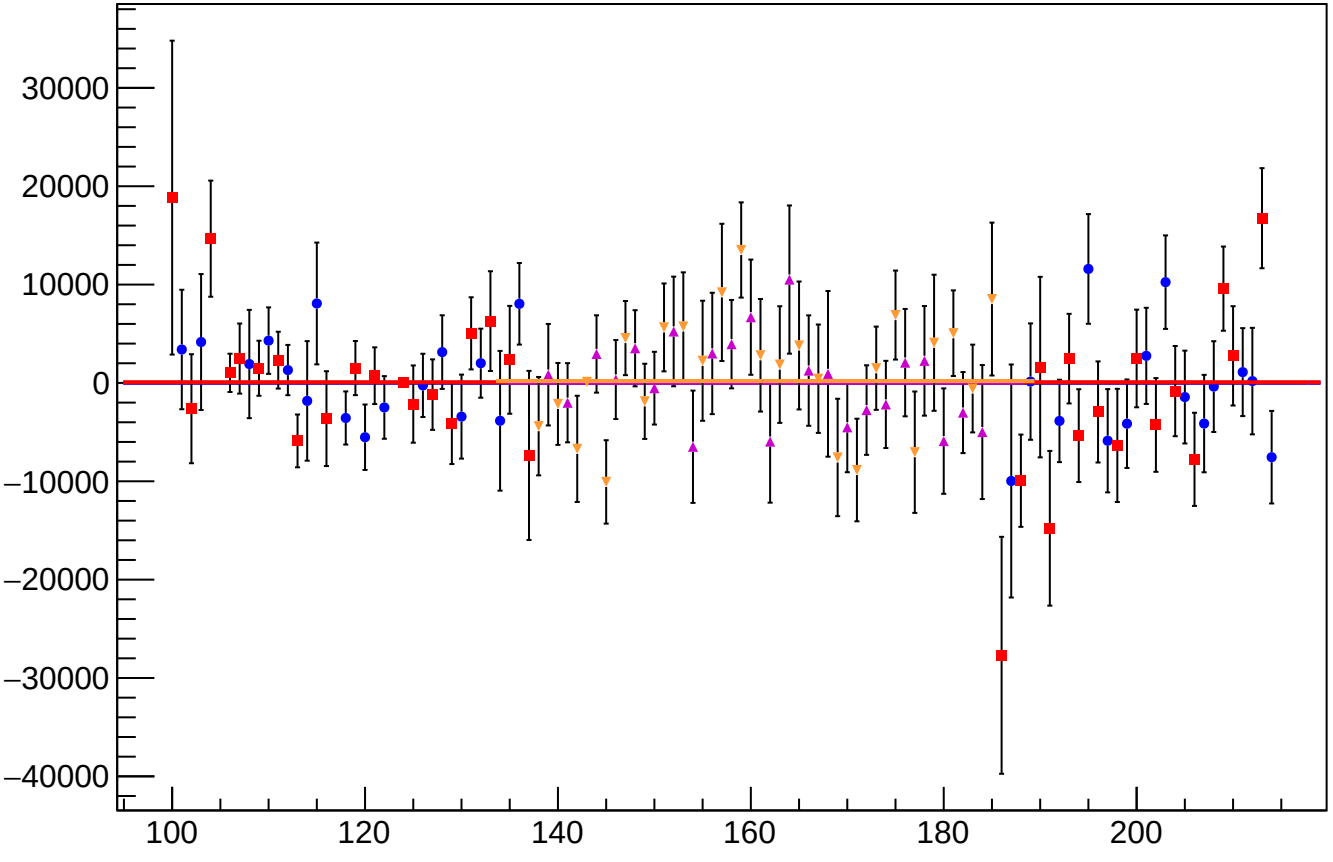
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1664.534+/-0.193 χ^2/NDF: 645696.9/54

All: 1666.990+/-0.137 χ^2/NDF: 1200972.3/11

- sign 1669.484+/-0.194 χ^2/NDF: 554947.3/56

asym_atl_dd_reg_correction_mean vs Slug



Right In: 11.622+/-780.590 χ^2/NDF: 31.7/29

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 70.951+/-314.760 χ^2/NDF: 57.3/33

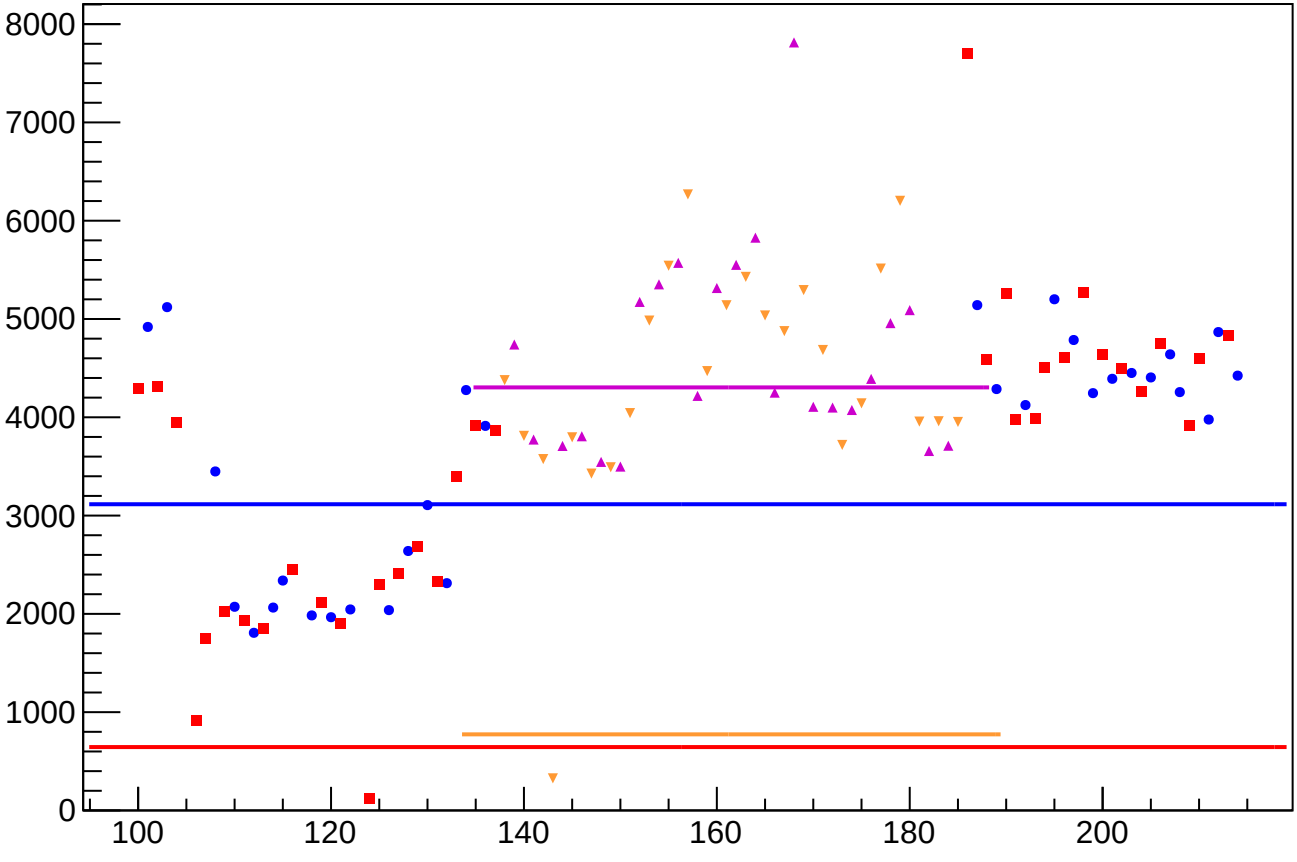
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 164.049+/-314.122 χ^2/NDF: 65.6/54

All: 113.605+/-217.294 χ^2/NDF: 136.3/111

- sign 67.316+/-300.905 χ^2/NDF: 70.6/56

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3115.362+/-0.552 χ^2/NDF: 4516392.0/29

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 644.866+/-0.223 χ^2/NDF: 28990876.4/33

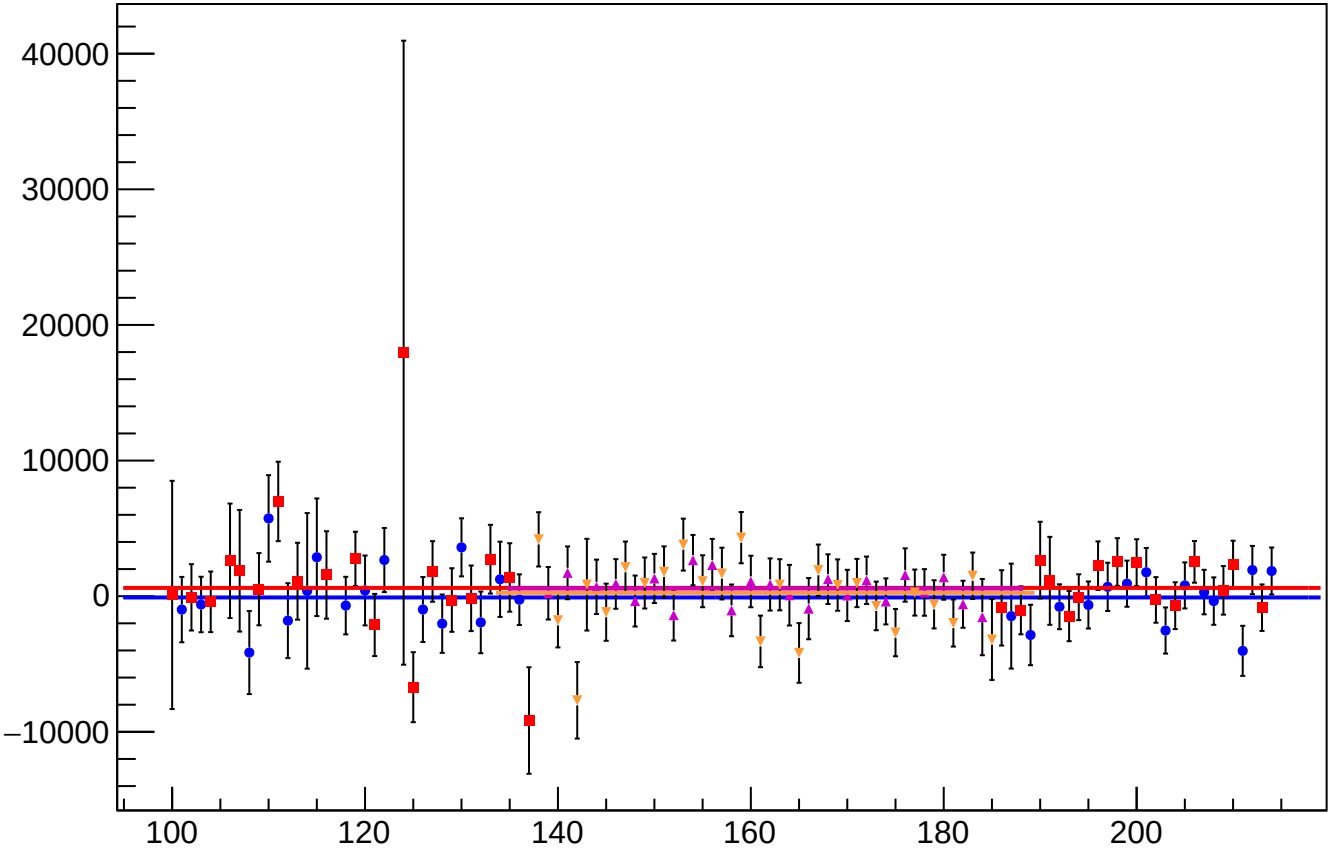
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1153.352+/-0.222 χ^2/NDF: 47678850.8/54

All: 1052.480+/-0.154 χ^2/NDF: 101553677.0

- sign 959.918+/-0.213 χ^2/NDF: 53479336.1/56

cor_asym_atl_dd_mean vs Slug



Right In: -92.489+/-381.431 χ^2/NDF: 25.5/29

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 610.930+/-381.850 χ^2/NDF: 34.6/33

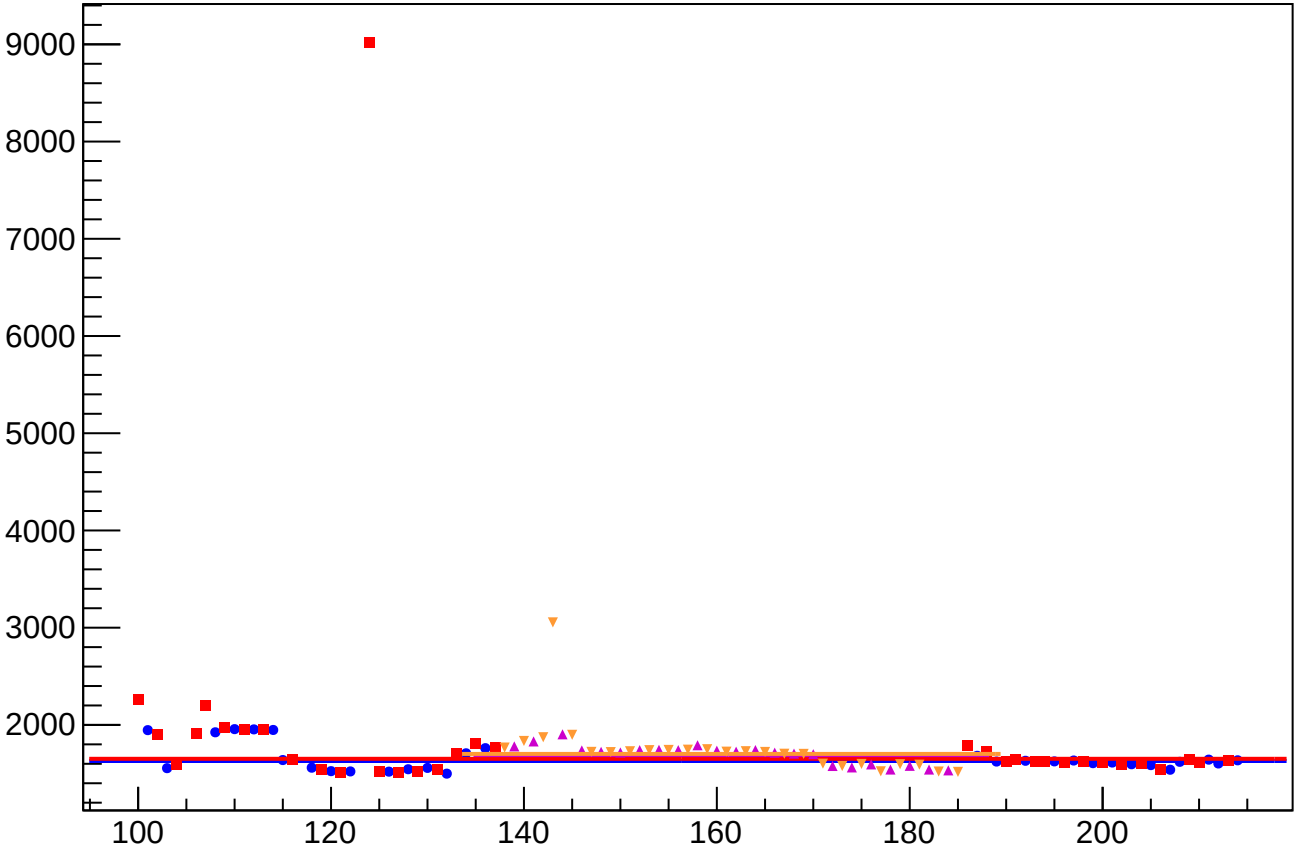
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 74.592+/-272.290 χ^2/NDF: 65.5/54

All: 328.313+/-193.342 χ^2/NDF: 109.4/111

- sign 586.315+/-274.577 χ^2/NDF: 42.1/56

cor_asym_atl_dd_rms vs Slug



Right In: 1628.881+/-0.270 χ^2/NDF: 157685.8/29

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

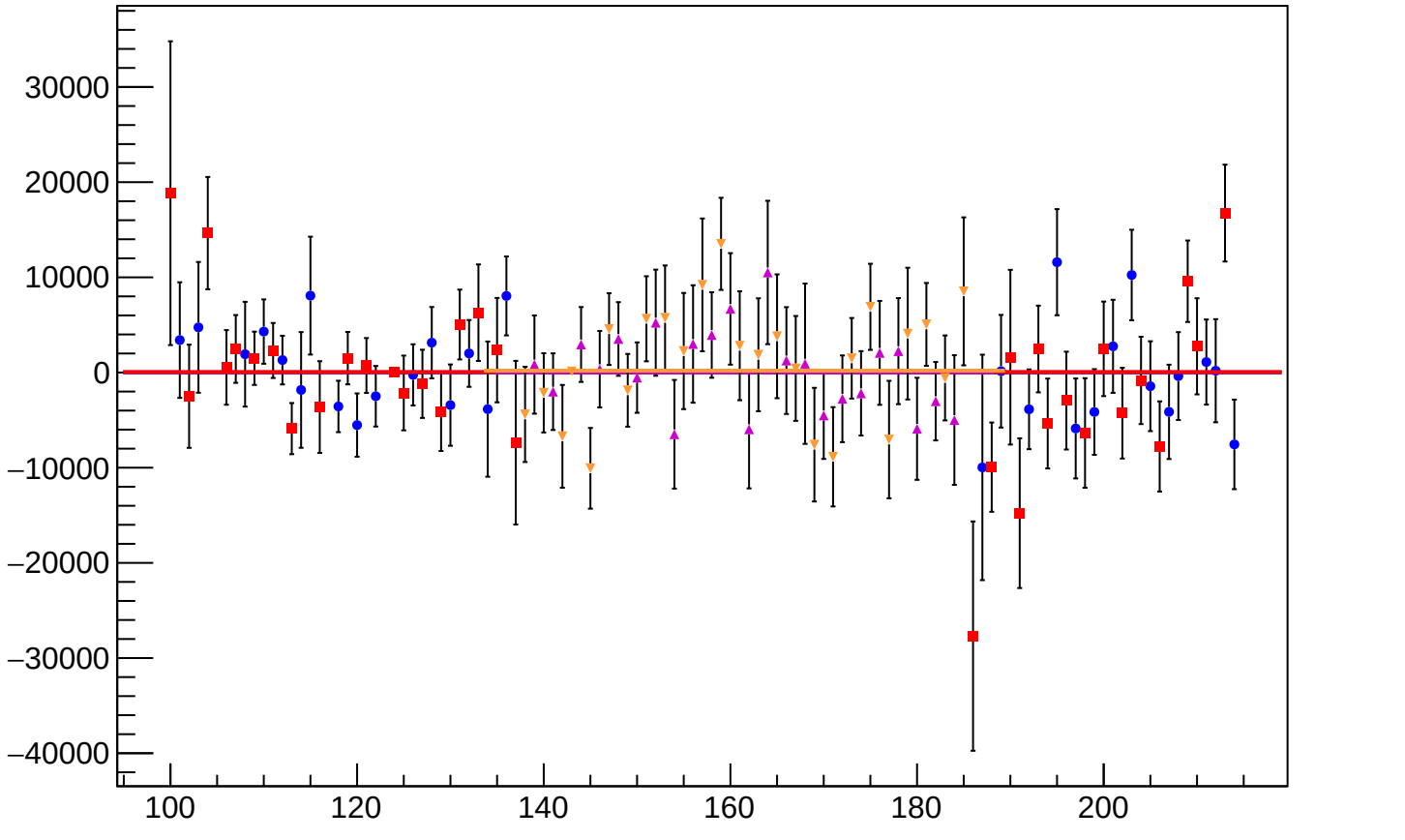
Right Out: 1651.351+/-0.270 χ^2/NDF: 425062.6/33

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1664.534+/-0.193 χ^2/NDF: 645697.0/54

All: 1667.062+/-0.137 χ^2/NDF: 1202957.9/11

- sign 1669.630+/-0.194 χ^2/NDF: 556913.3/56



Right In: 19.995+/-780.526 χ^2/NDF: 31.8/29

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 41.857+/-307.430 χ^2/NDF: 57.1/33

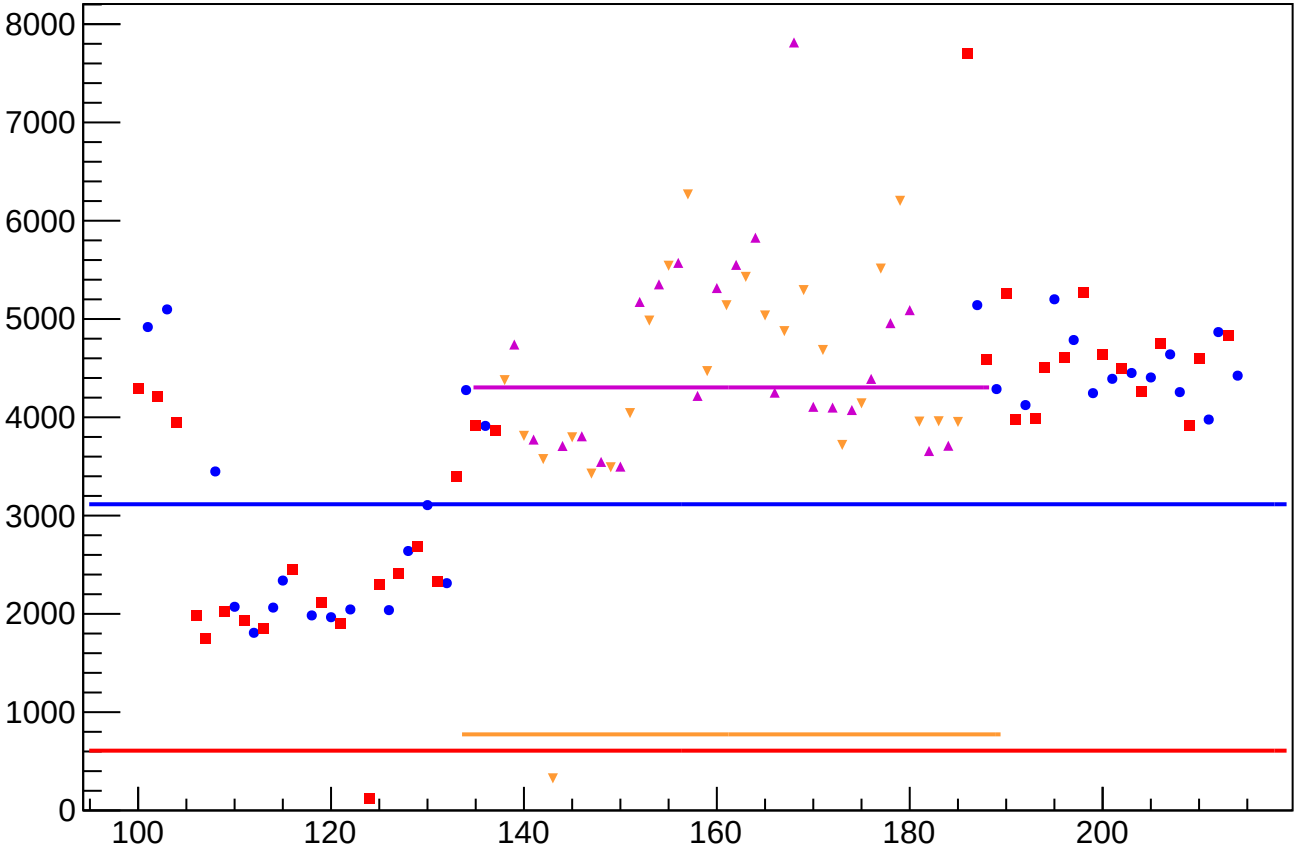
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 165.751+/-314.099 χ^2/NDF: 65.7/54

All: 99.239+/-214.831 χ^2/NDF: 136.2/111

- sign 40.777+/-294.482 χ^2/NDF: 70.4/56

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3115.360+/-0.552 χ^2/NDF: 4514453.7/29

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 608.340+/-0.217 χ^2/NDF: 29620023.2/33

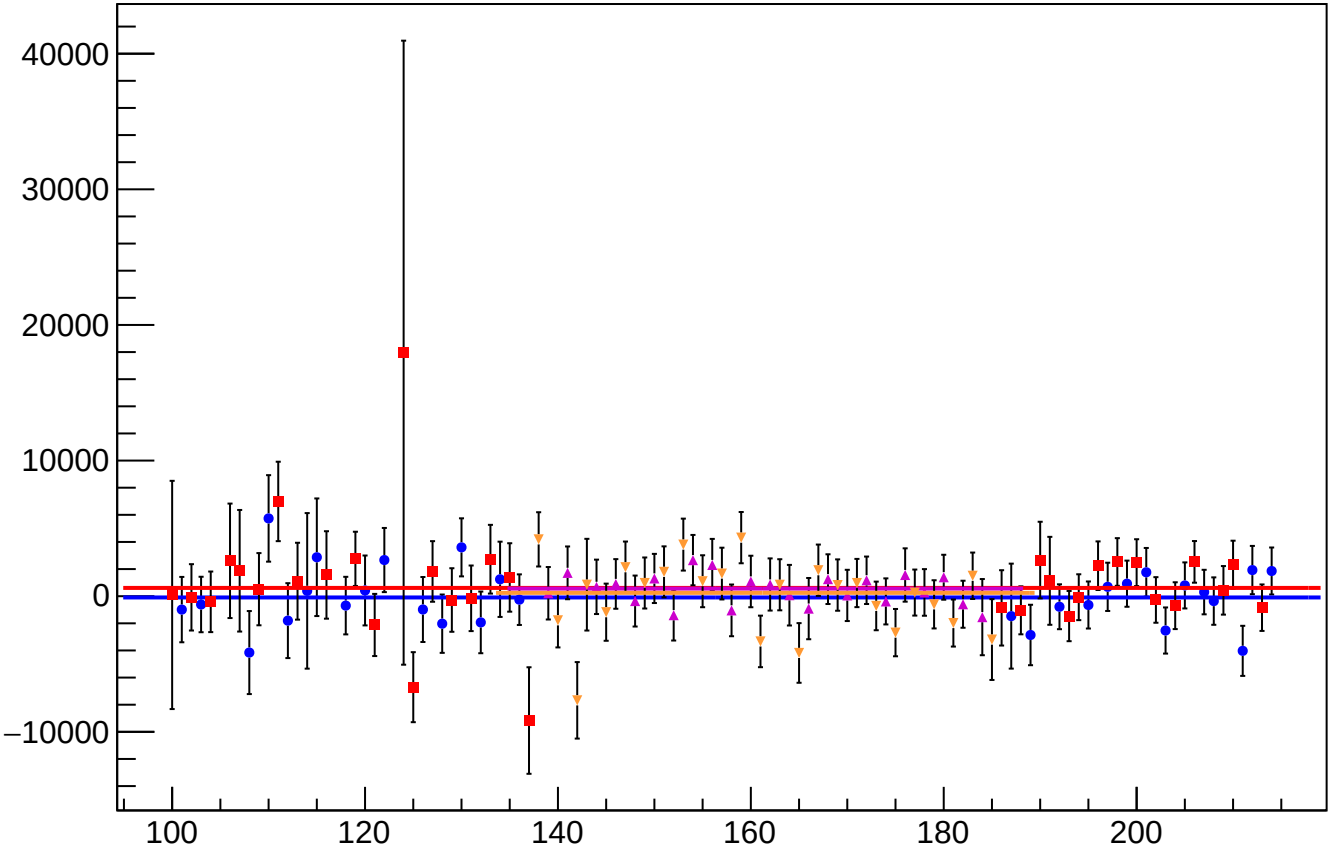
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1153.284+/-0.222 χ^2/NDF: 47681302.7/54

All: 1025.457+/-0.152 χ^2/NDF: 102973549.8

- sign 913.098+/-0.208 χ^2/NDF: 54669849.1/56

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -92.489+/-381.431 χ^2/NDF: 25.5/29

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 610.930+/-381.850 χ^2/NDF: 34.6/33

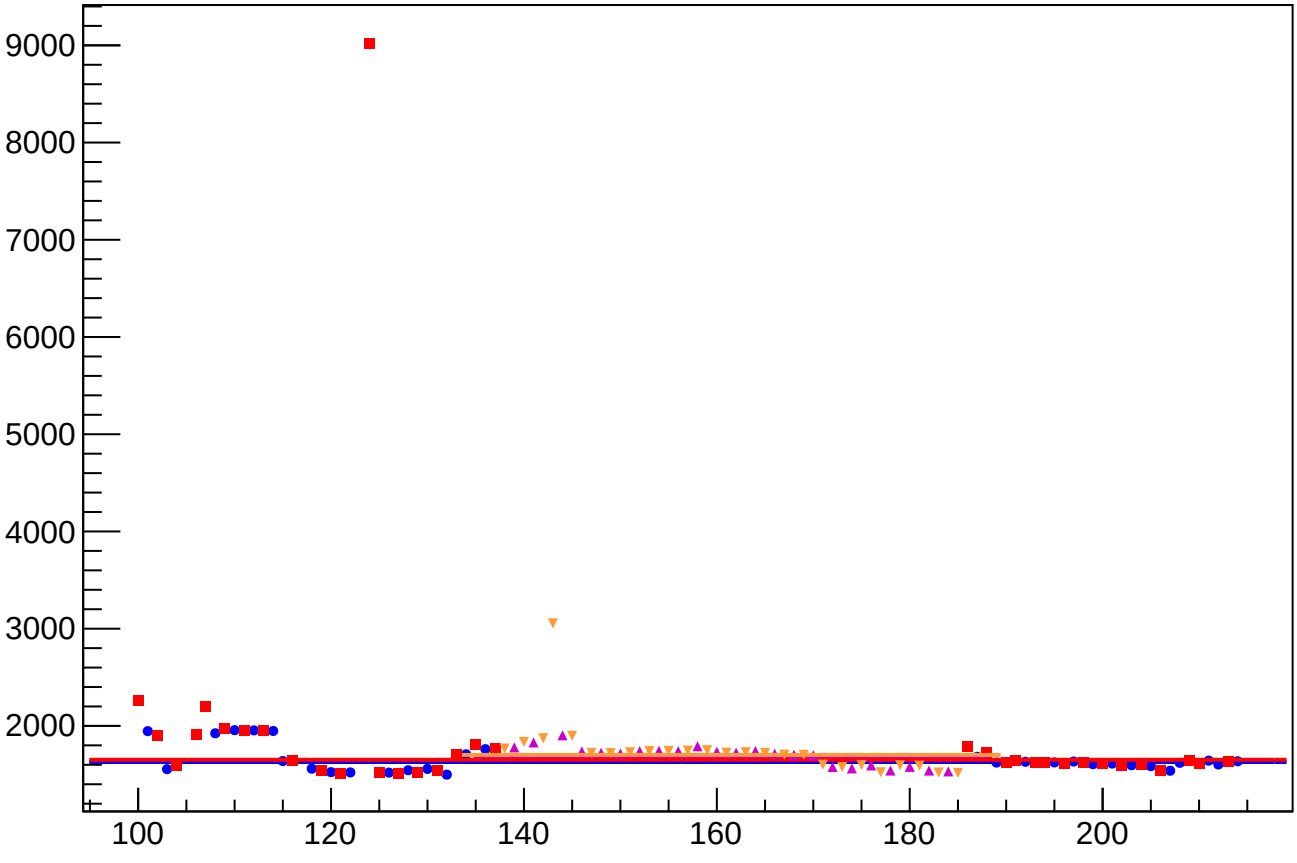
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 74.592+/-272.290 χ^2/NDF: 65.5/54

All: 328.313+/-193.342 χ^2/NDF: 109.4/111

- sign 586.315+/-274.577 χ^2/NDF: 42.1/56

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1628.881+/-0.270 χ^2/NDF: 157685.8/29

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

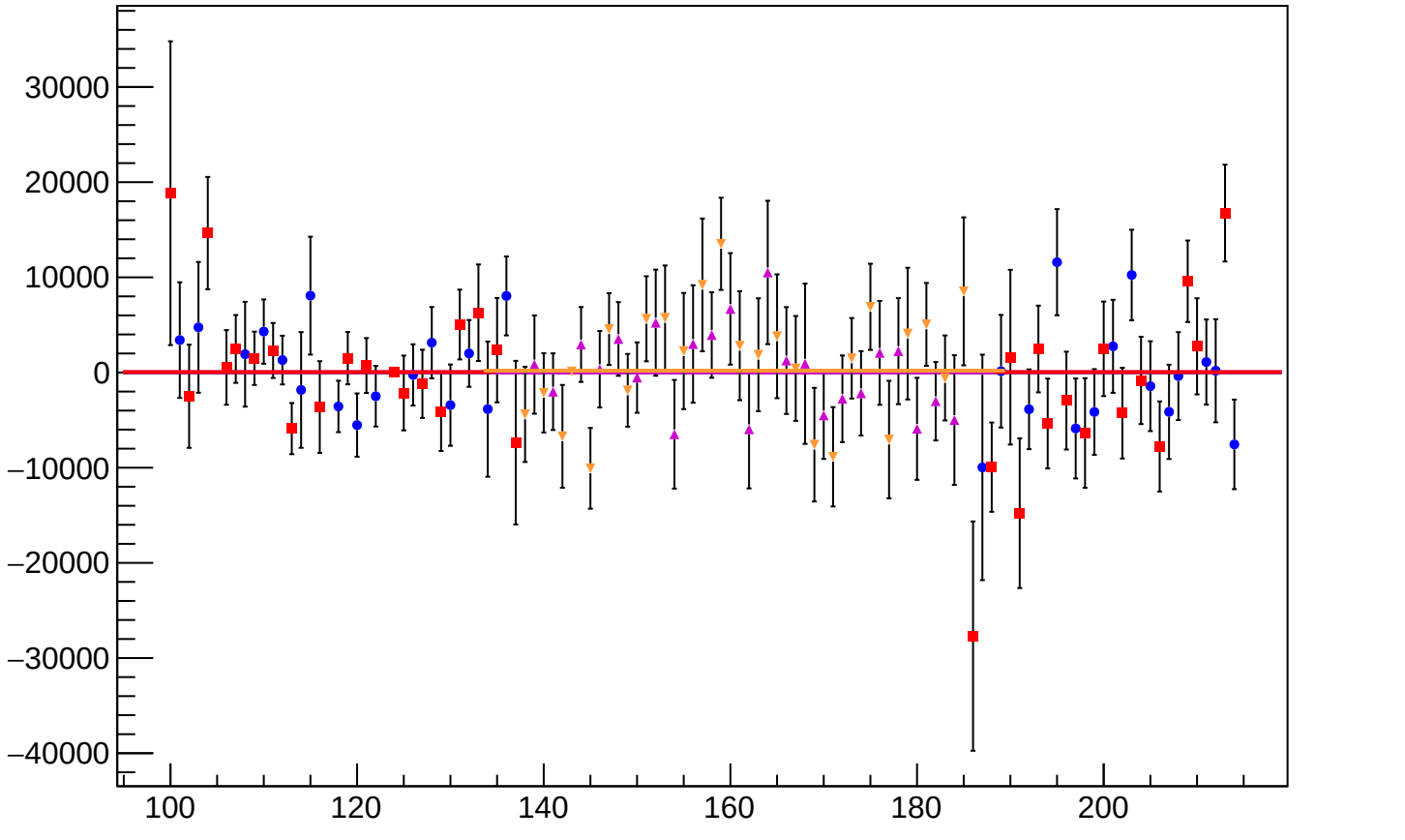
Right Out: 1651.351+/-0.270 χ^2/NDF: 425062.6/33

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1664.534+/-0.193 χ^2/NDF: 645697.0/54

All: 1667.062+/-0.137 χ^2/NDF: 1202957.9/11

- sign 1669.630+/-0.194 χ^2/NDF: 556913.3/56



Right In: 19.995+/-780.526 χ^2/NDF: 31.8/29

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 41.857+/-307.430 χ^2/NDF: 57.1/33

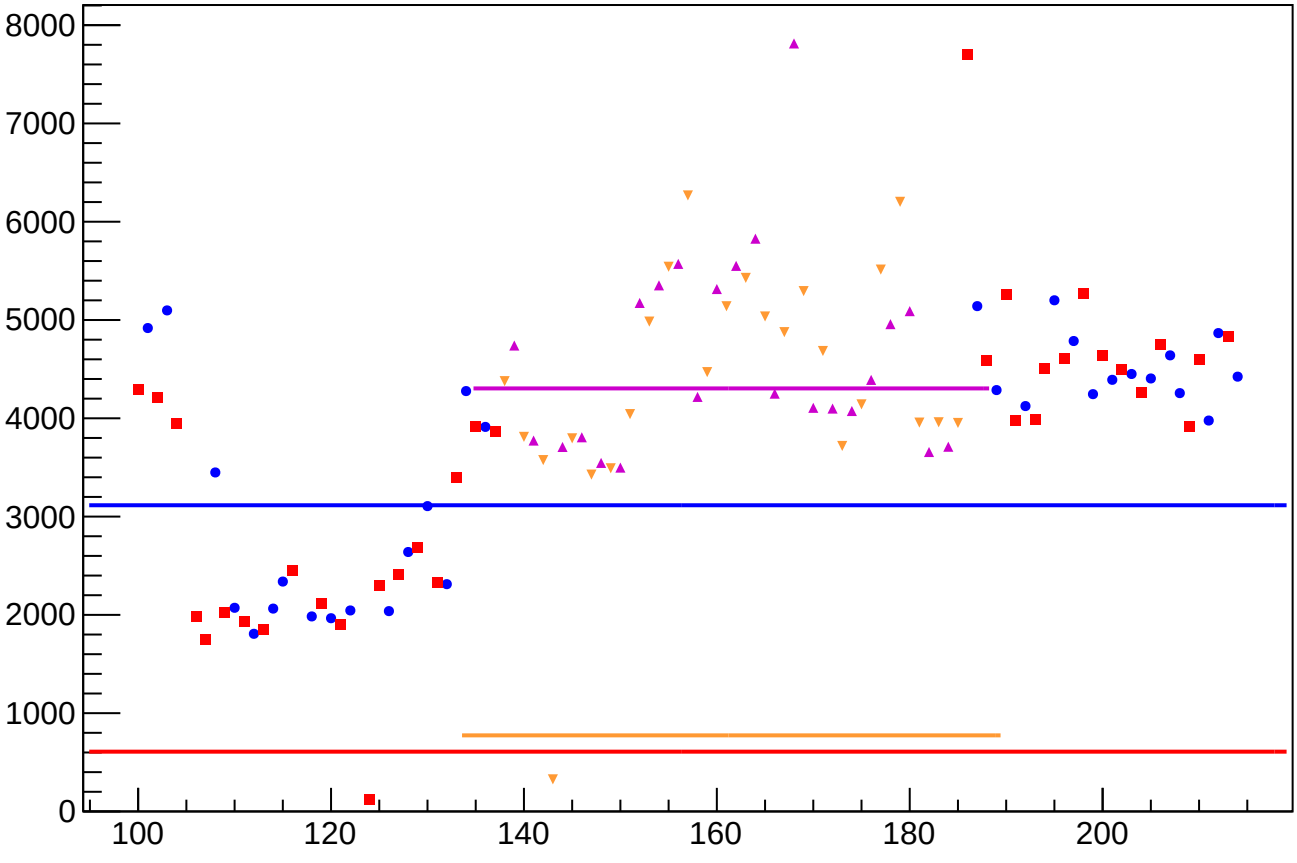
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 165.751+/-314.099 χ^2/NDF: 65.7/54

All: 99.239+/-214.831 χ^2/NDF: 136.2/111

- sign 40.777+/-294.482 χ^2/NDF: 70.4/56

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3115.360+/-0.552 χ^2/NDF: 4514453.7/29

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 608.340+/-0.217 χ^2/NDF: 29620023.2/33

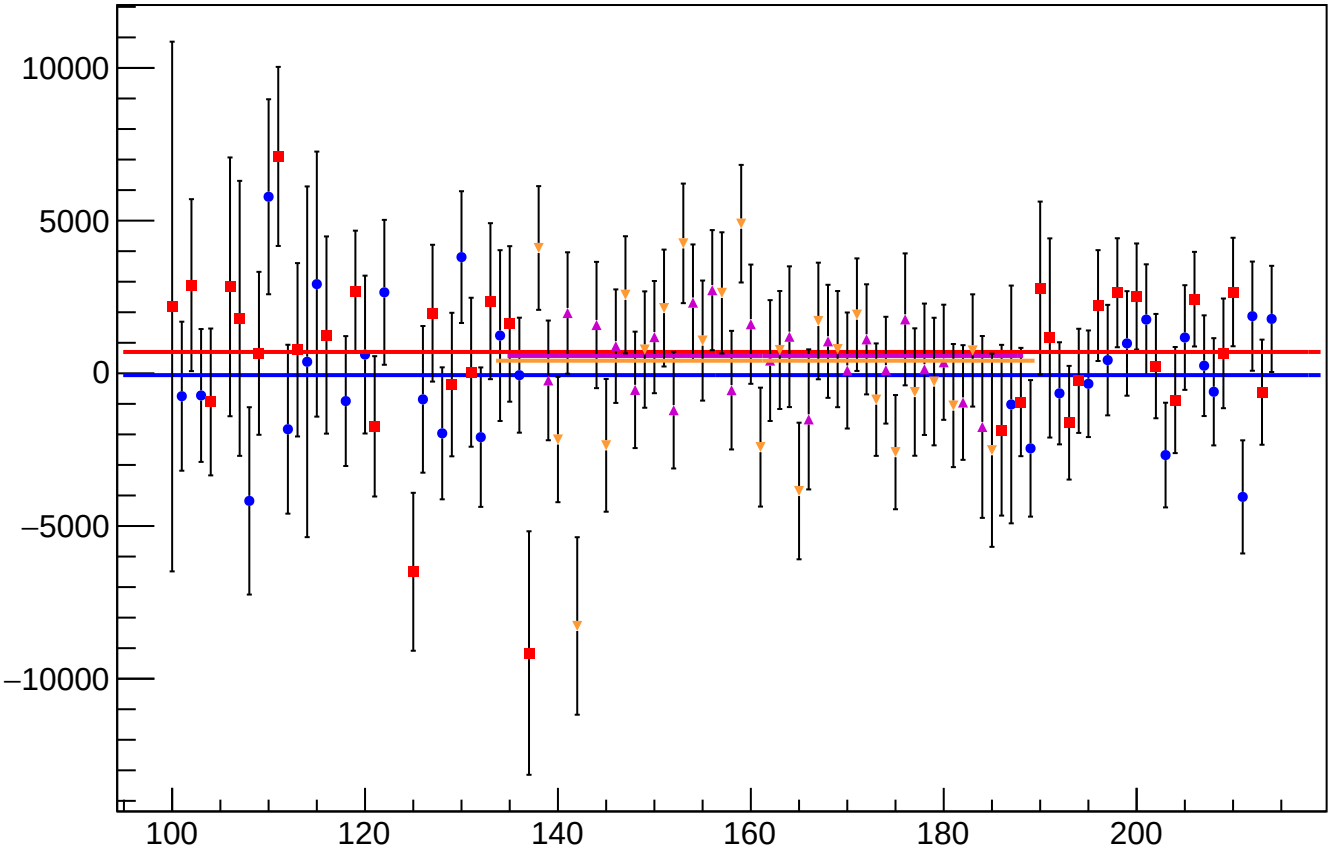
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1153.284+/-0.222 χ^2/NDF: 47681302.7/54

All: 1025.457+/-0.152 χ^2/NDF: 102973549.8

- sign 913.098+/-0.208 χ^2/NDF: 54669849.1/56

dit_asym_atl_dd_mean vs Slug



Right In: -58.870+/-384.532 χ^2/NDF: 25.6/29

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 699.574+/-386.240 χ^2/NDF: 34.4/32

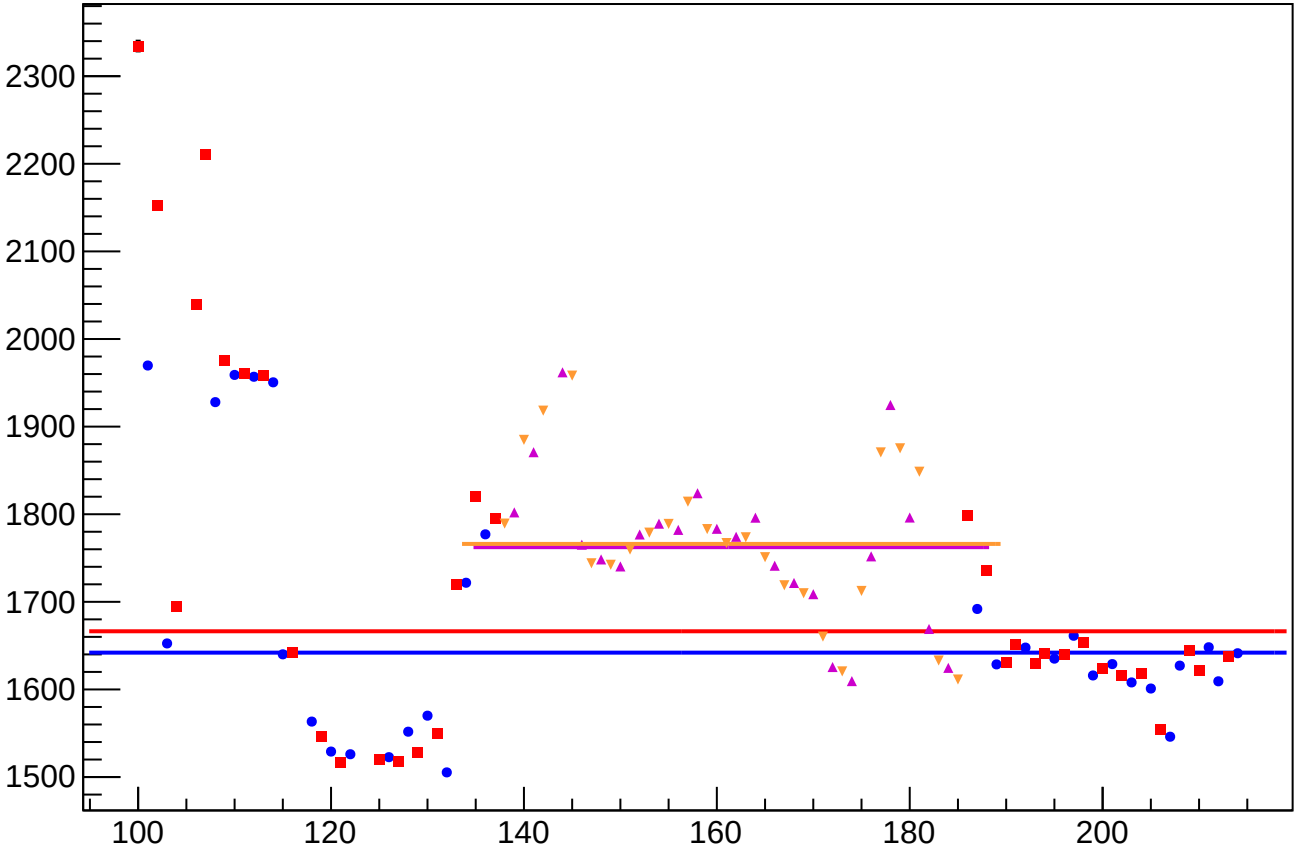
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 161.793+/-280.648 χ^2/NDF: 66.3/53

All: 399.134+/-198.853 χ^2/NDF: 109.8/109

- sign 638.422+/-281.796 χ^2/NDF: 42.1/55

dit_asym_atl_dd_rms vs Slug



Right In: 1642.016+/-0.272 χ^2/NDF: 156793.0/29

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1666.394+/-0.273 χ^2/NDF: 267115.1/32

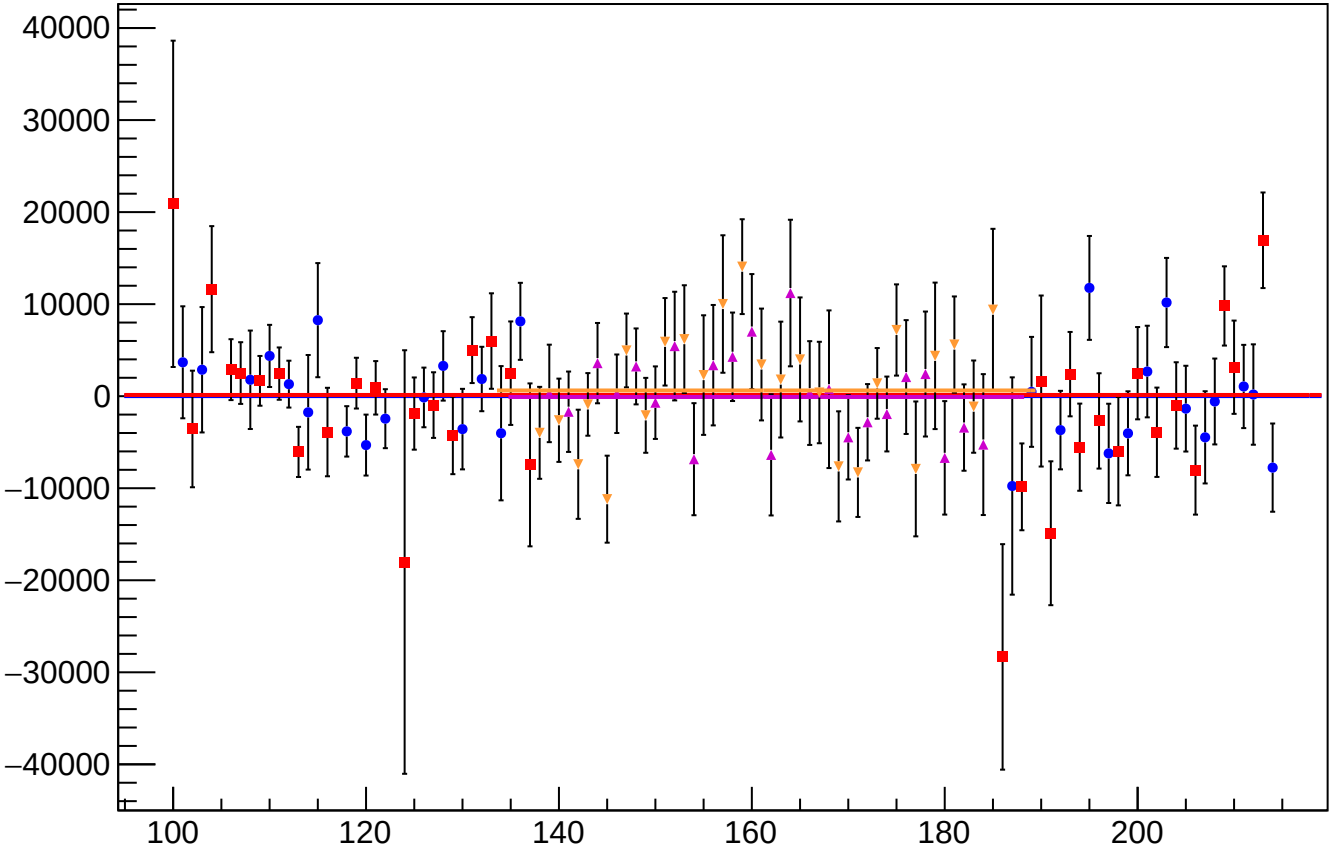
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1700.011+/-0.198 χ^2/NDF: 337392.1/53

All: 1705.615+/-0.141 χ^2/NDF: 744042.7/109

- sign 1711.259+/-0.199 χ^2/NDF: 405050.3/55

asym_atl_dd_dit_correction_mean vs Slug



Right In: 9.616+/-785.832 χ^2/NDF: 31.5/29

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 132.652+/-741.656 χ^2/NDF: 55.3/33

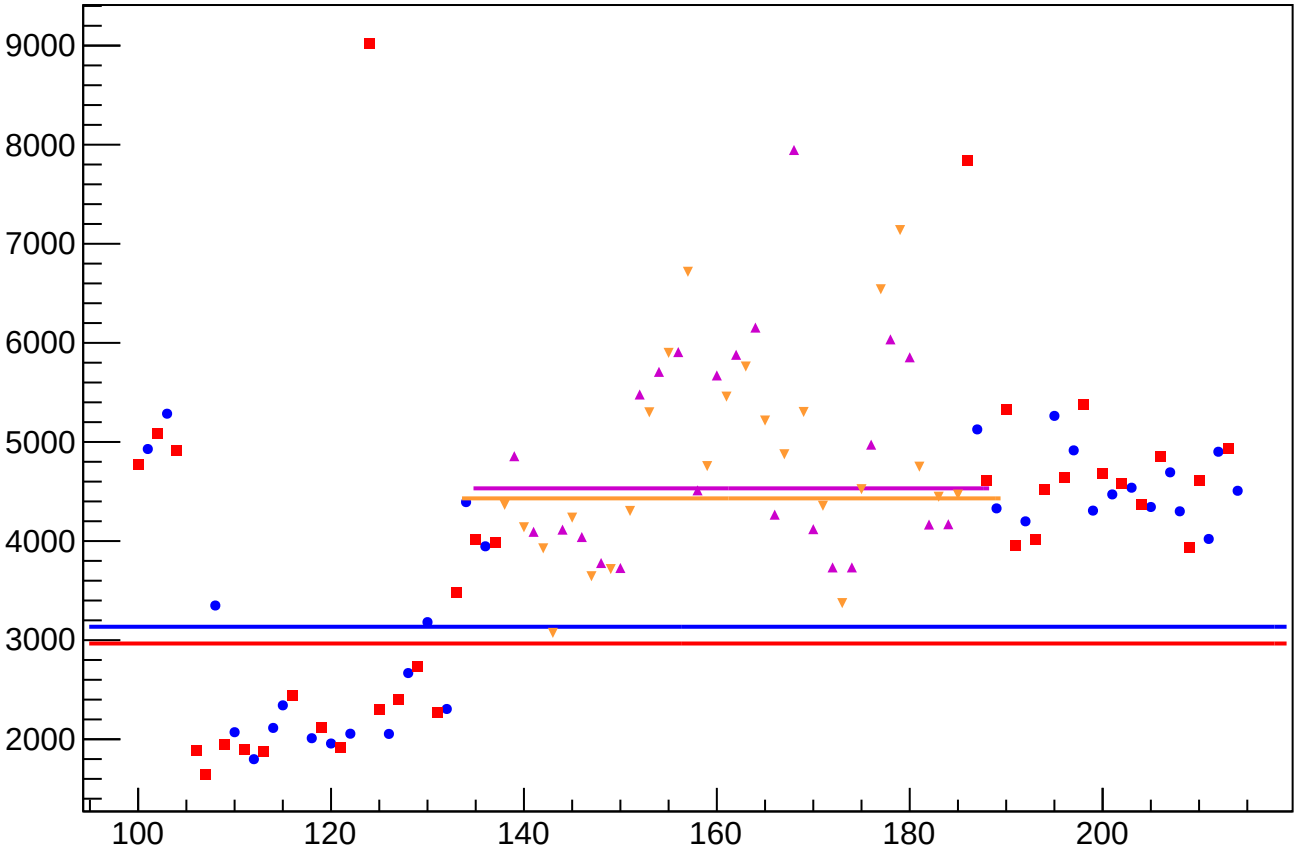
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 232.785+/-625.798 χ^2/NDF: 64.8/54

All: 145.956+/-437.485 χ^2/NDF: 133.1/111

- sign 62.960+/-611.832 χ^2/NDF: 68.3/56

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3135.248+/-0.556 χ^2/NDF: 4641044.3/29

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2966.190+/-0.524 χ^2/NDF: 5859200.8/33

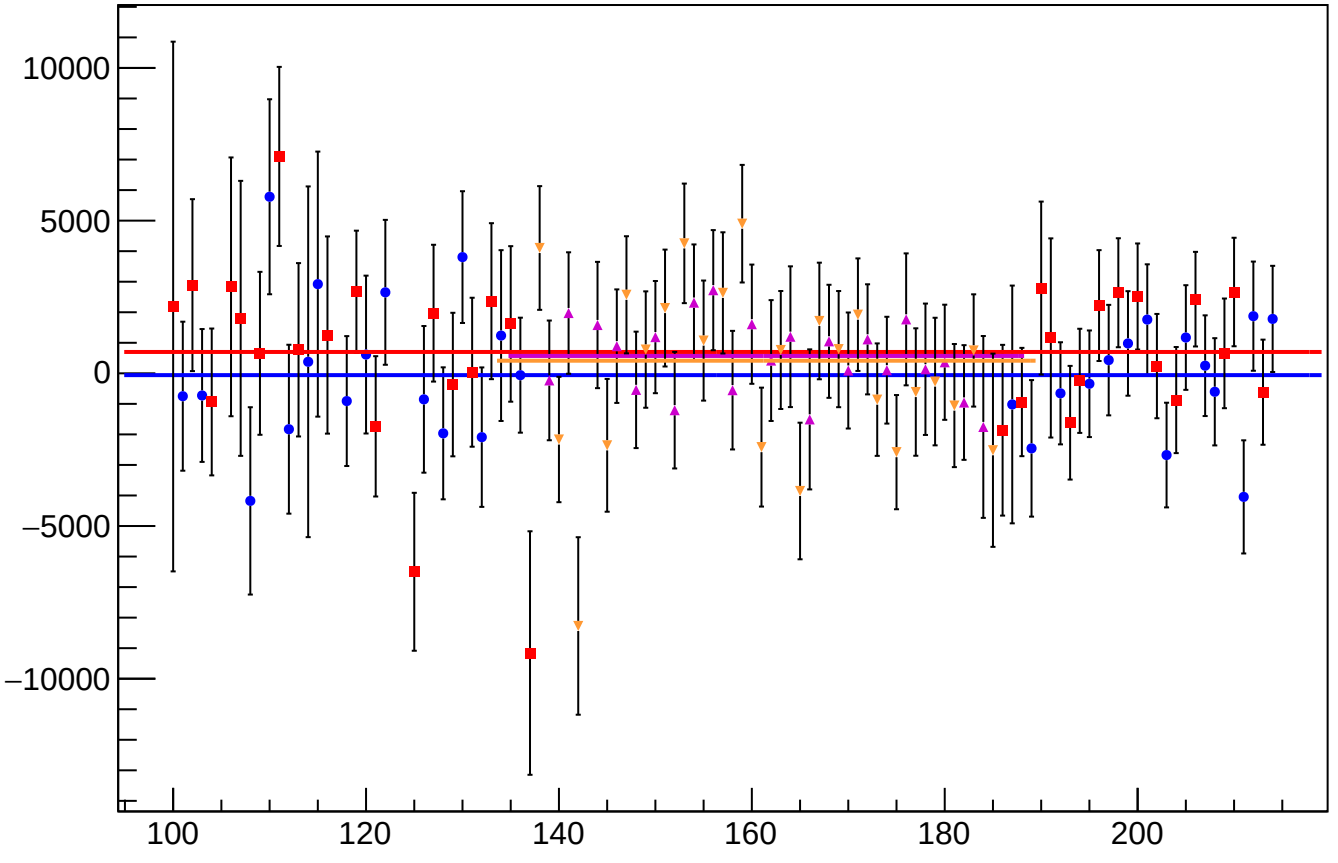
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3609.193+/-0.443 χ^2/NDF: 8242940.2/54

All: 3536.170+/-0.309 χ^2/NDF: 18379449.7/1

- sign 3466.370+/-0.433 χ^2/NDF: 10083247.1/56

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -58.873+/-384.532 χ^2/NDF: 25.6/29

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 699.572+/-386.240 χ^2/NDF: 34.4/32

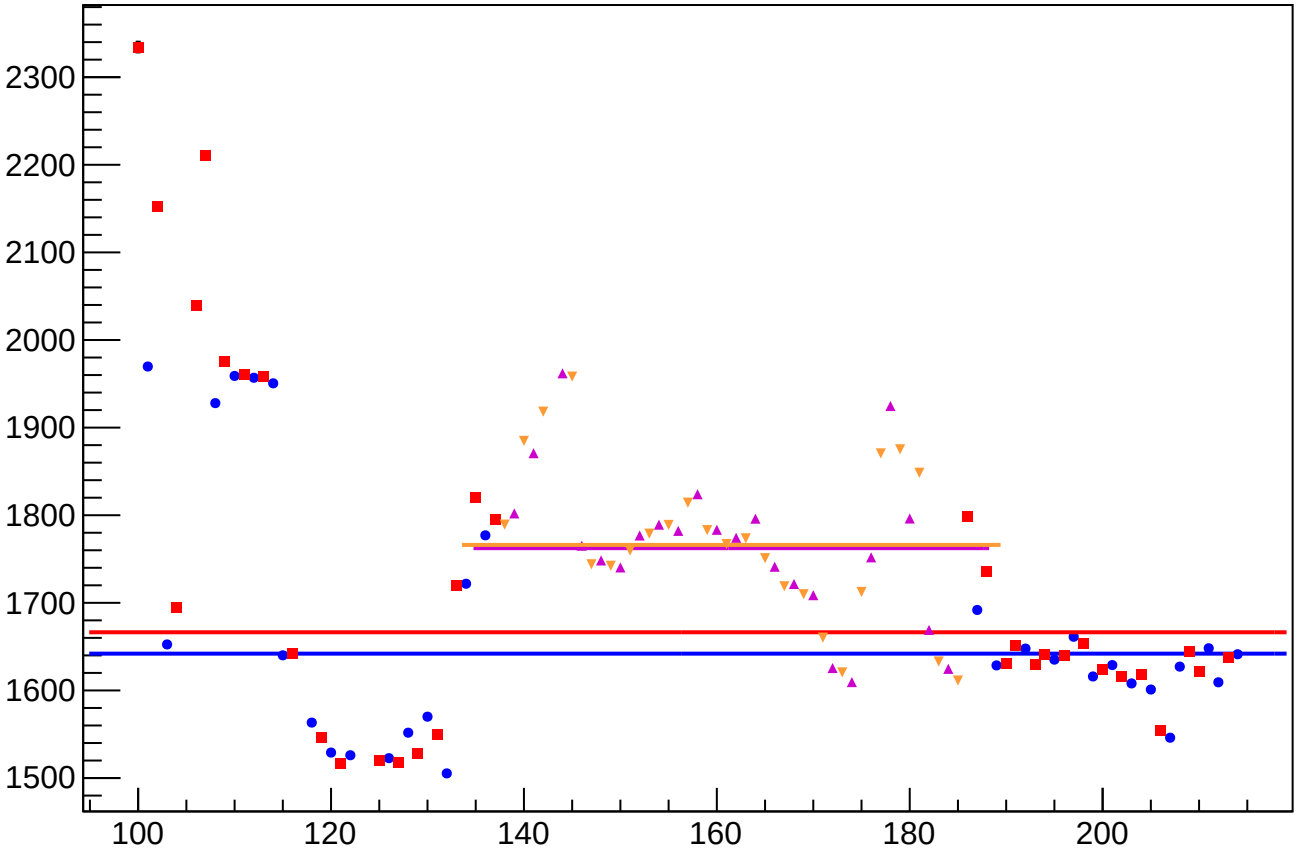
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 161.792+/-280.648 χ^2/NDF: 66.3/53

All: 399.133+/-198.853 χ^2/NDF: 109.8/109

- sign 638.420+/-281.797 χ^2/NDF: 42.1/55

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1642.017+/-0.272 χ^2/NDF: 156792.9/29

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1666.394+/-0.273 χ^2/NDF: 267113.8/32

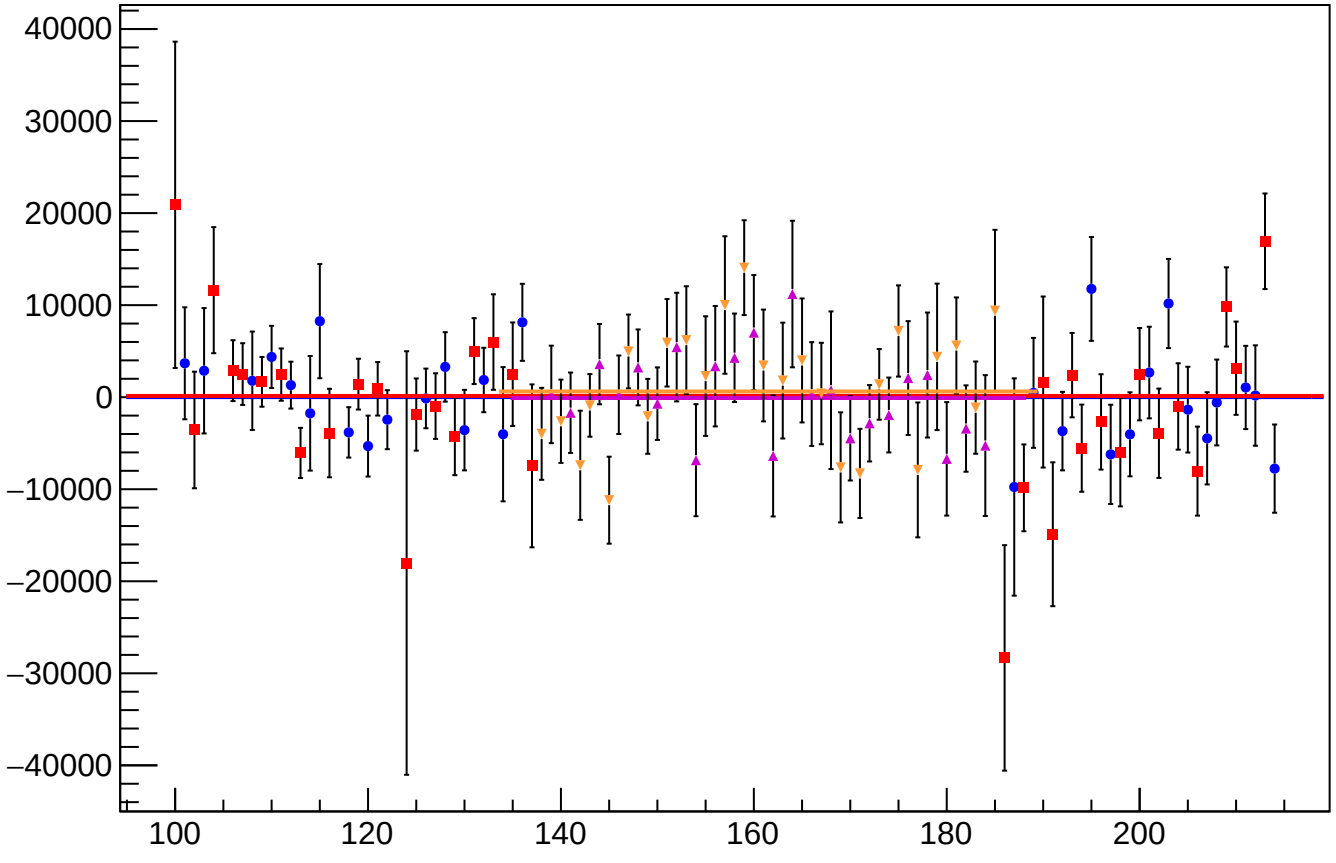
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1700.012+/-0.198 χ^2/NDF: 337396.3/53

All: 1705.615+/-0.141 χ^2/NDF: 744049.3/109

- sign 1711.259+/-0.199 χ^2/NDF: 405052.6/55

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 9.612+/-785.831 χ^2/NDF: 31.5/29

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 132.655+/-741.654 χ^2/NDF: 55.3/33

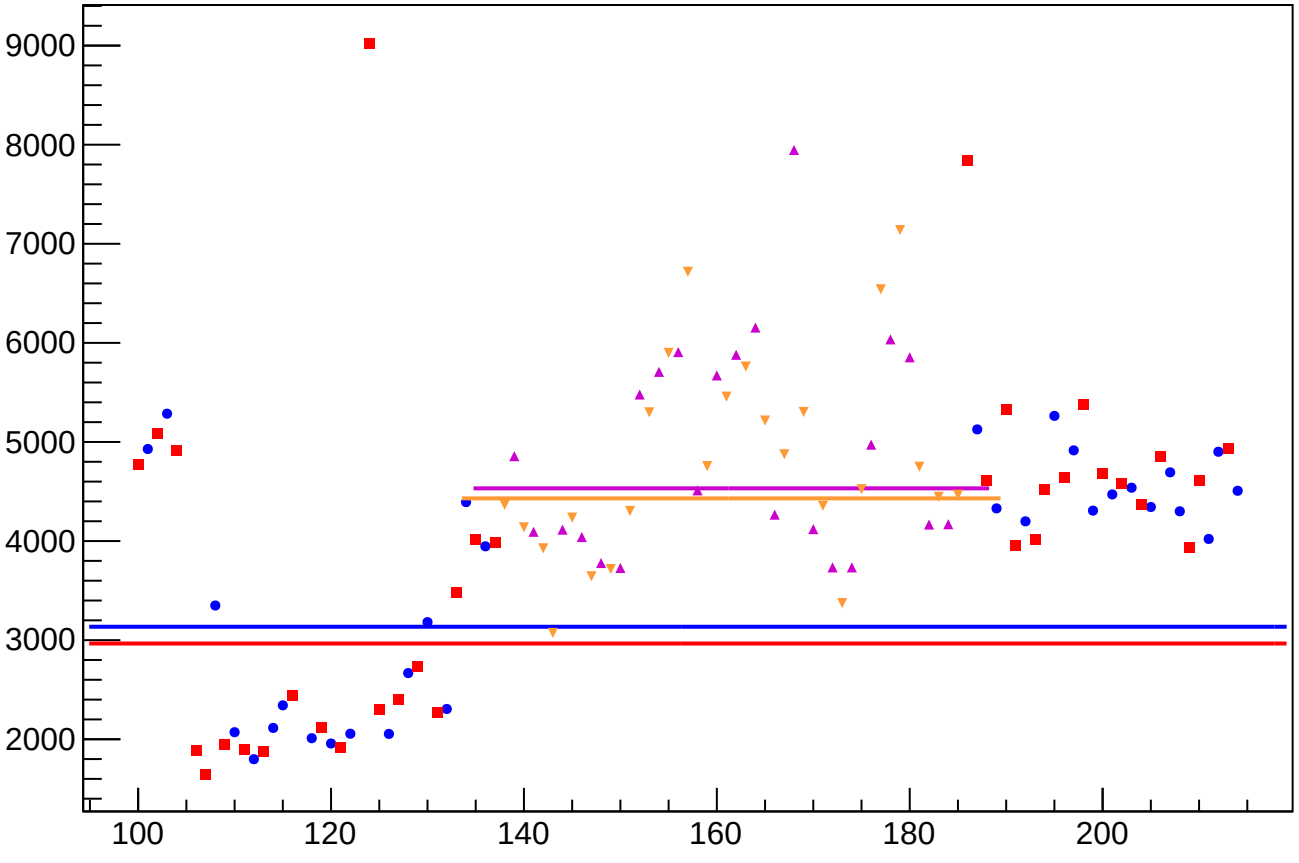
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 232.784+/-625.797 χ^2/NDF: 64.8/54

All: 145.957+/-437.484 χ^2/NDF: 133.1/111

- sign 62.962+/-611.832 χ^2/NDF: 68.3/56

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3135.238+/-0.556 χ^2/NDF: 4641119.7/29

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

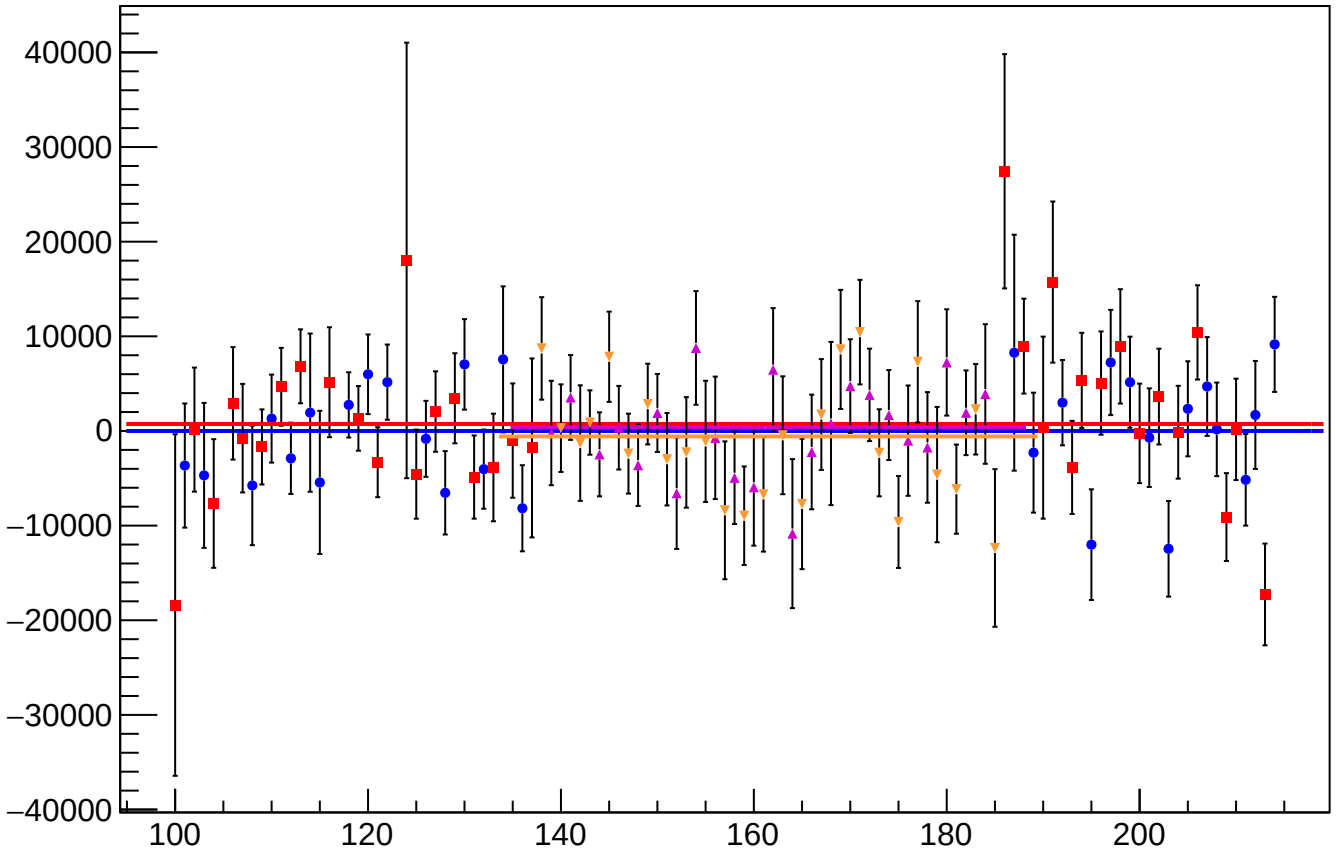
Right Out: 2966.181+/-0.524 χ^2/NDF: 5859263.9/33

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3609.188+/-0.443 χ^2/NDF: 8243066.1/54

All: 3536.164+/-0.309 χ^2/NDF: 18379695.5/1

- sign 3466.364+/-0.433 χ^2/NDF: 10083366.5/56



Right In: 1.360+/-916.992 χ^2/NDF: 36.4/29

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 738.478+/-899.090 χ^2/NDF: 47.6/33

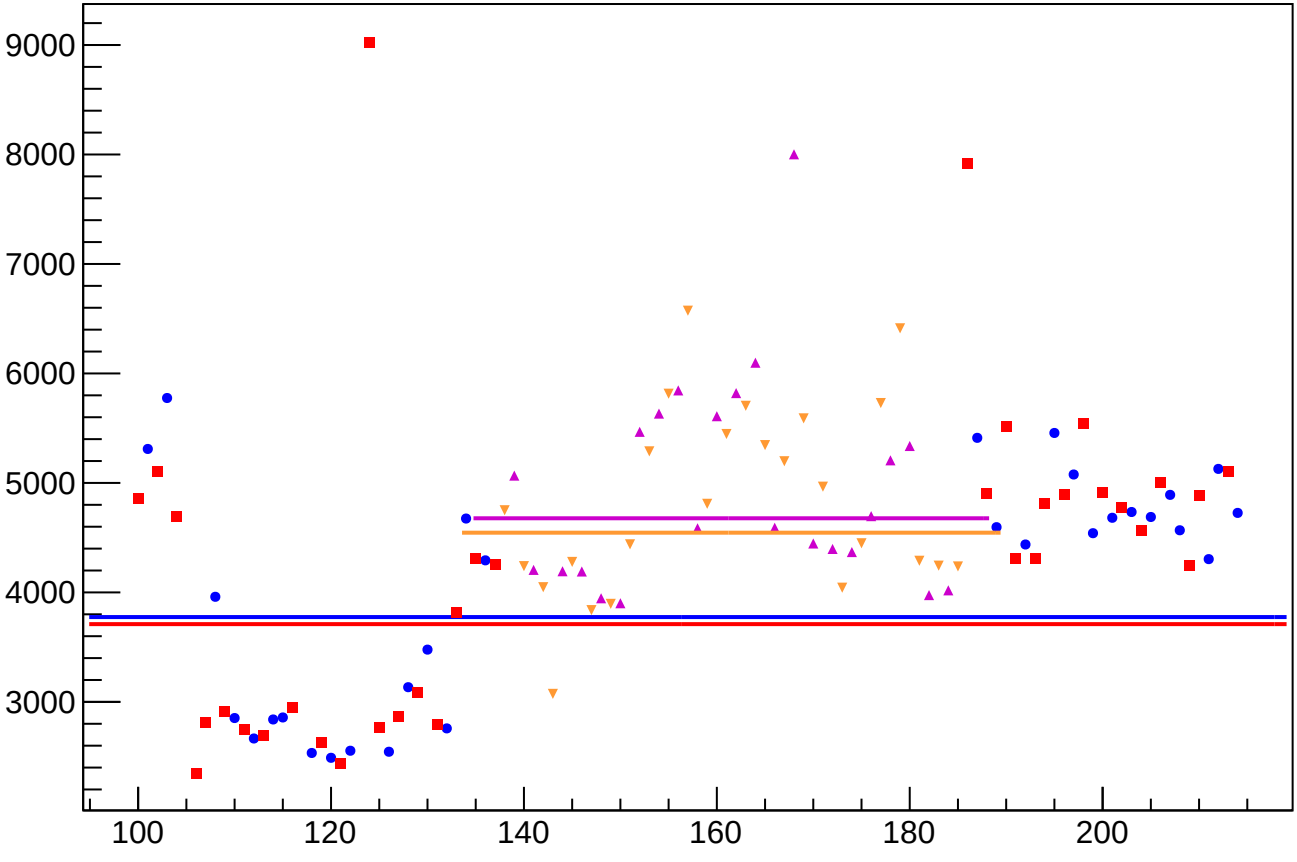
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

\+ sign -245.916+/-692.050 χ^2/NDF: 65.3/54

All: 174.924+/-491.627 χ^2/NDF: 127.7/111

\- sign 603.678+/-698.526 χ^2/NDF: 61.7/56

asym_atl_dd_rms vs Slug



Right In: 3774.762+/-0.648 χ^2/NDF: 2585965.4/29

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

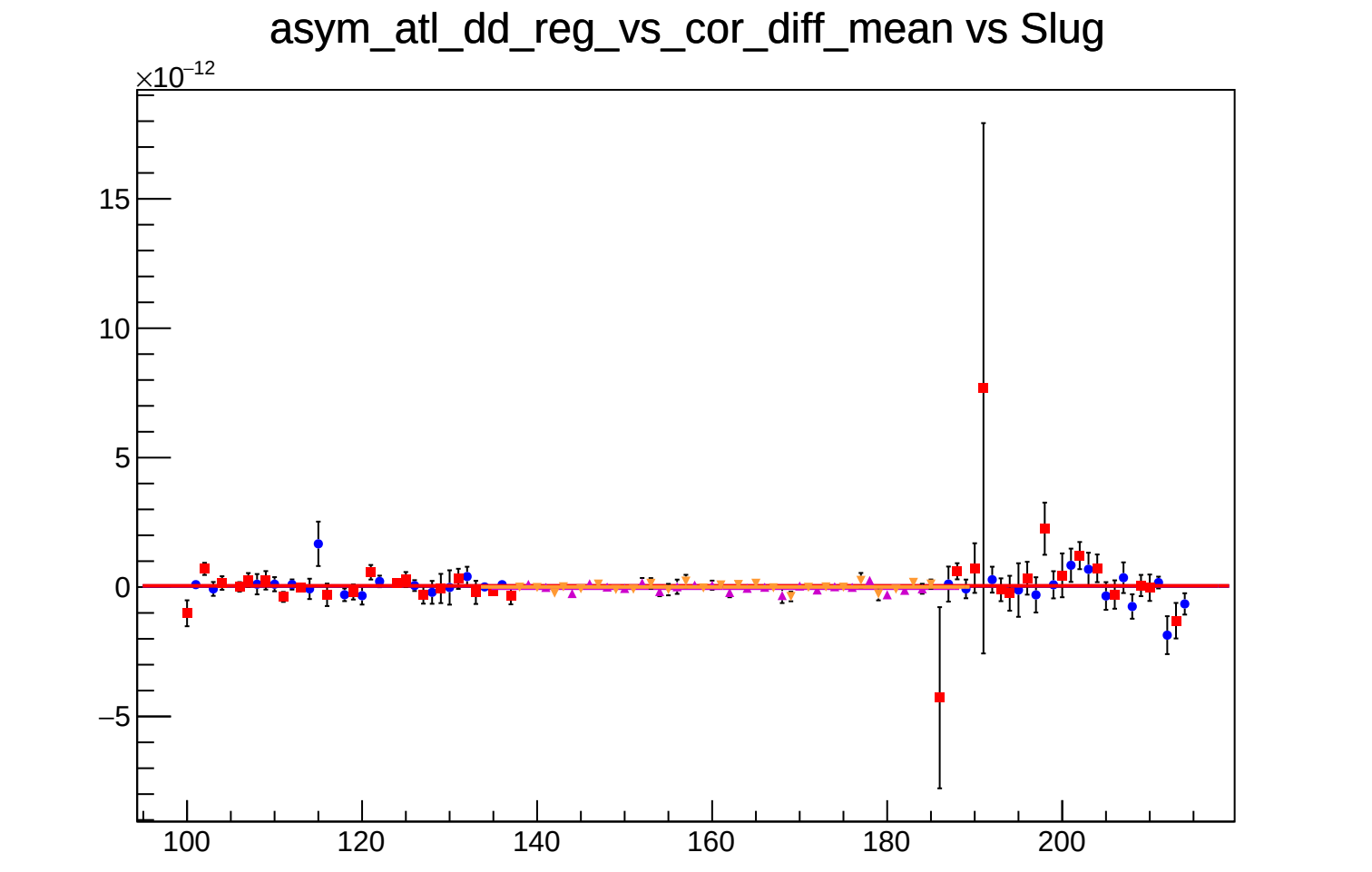
Right Out: 3710.262+/-0.630 χ^2/NDF: 3058536.8/33

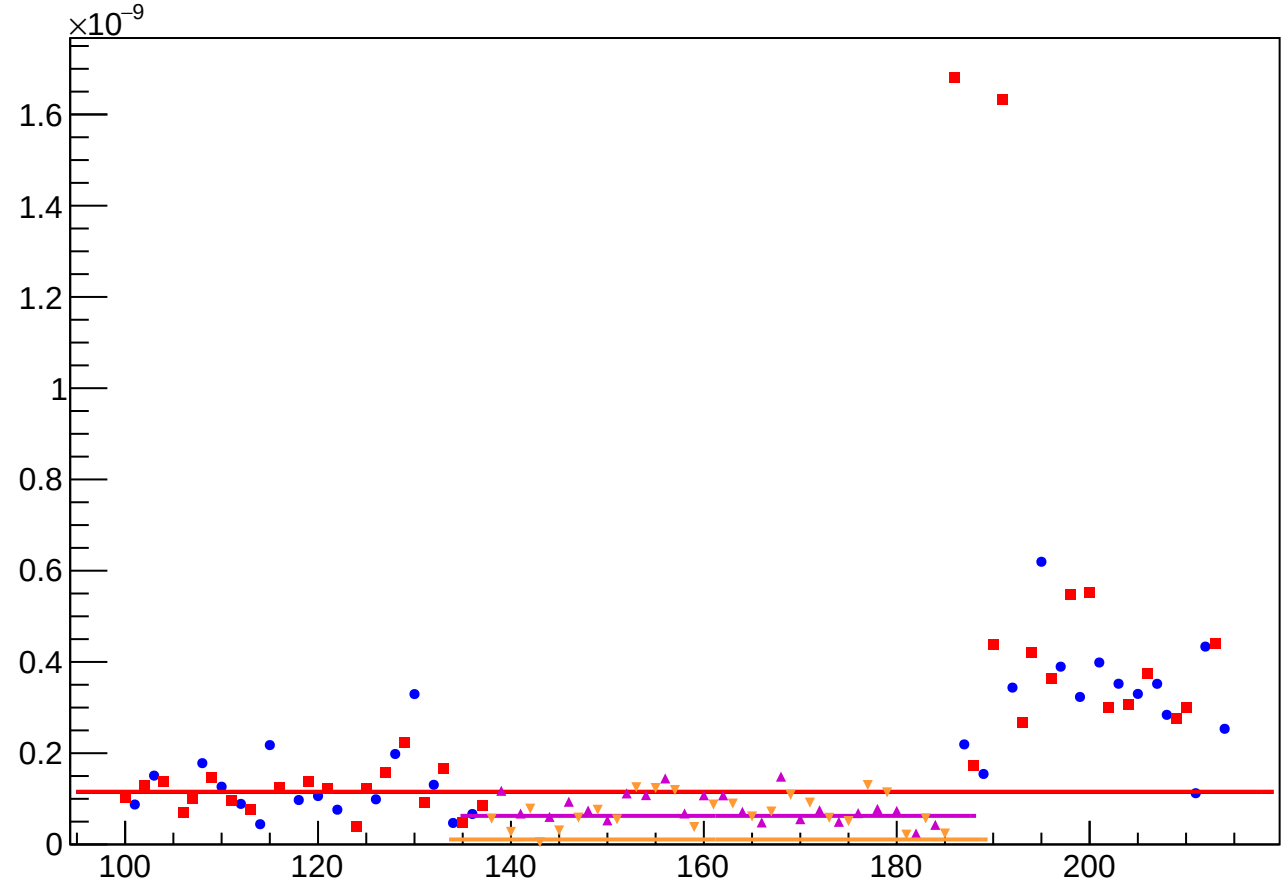
Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4106.510+/-0.489 χ^2/NDF: 4452644.3/54

All: 4098.117+/-0.347 χ^2/NDF: 9394328.5/11

- sign 4089.651+/-0.491 χ^2/NDF: 4941093.3/56


asym_atl_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.1/29
Left Out: 0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 52.6/33
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
+ sign 0.000+/-0.000 χ²/NDF: 44.7/54
All: 0.000+/-0.000 χ²/NDF: 121.9/111
- sign -0.000+/-0.000 χ²/NDF: 75.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 5138231.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6048860.2/33

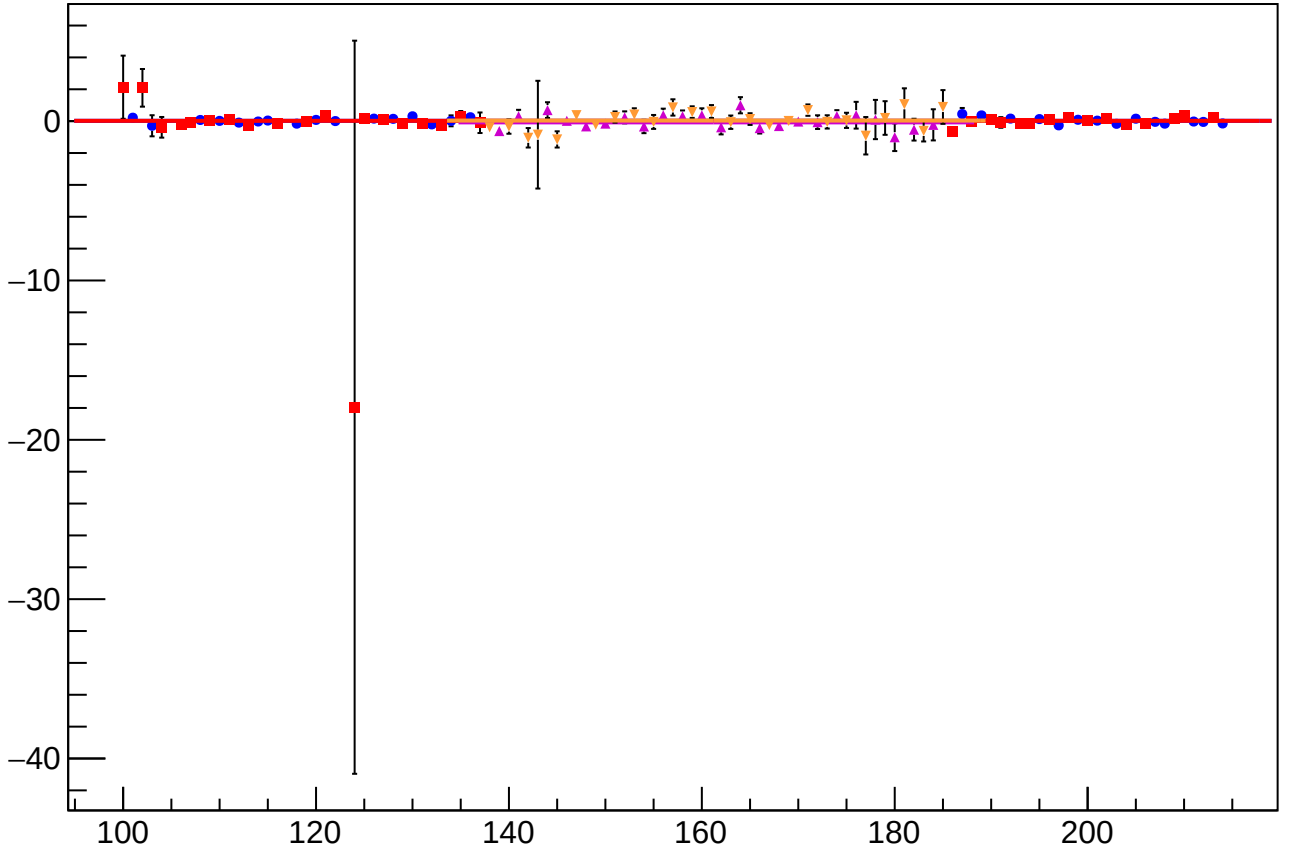
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 22804502.8/54

All: 0.000+/-0.000 χ^2/NDF: 44253375.8/111

- sign 0.000+/-0.000 χ^2/NDF: 9787165.5/56

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.032 χ^2/NDF: 21.6/29

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.031 χ^2/NDF: 43.1/33

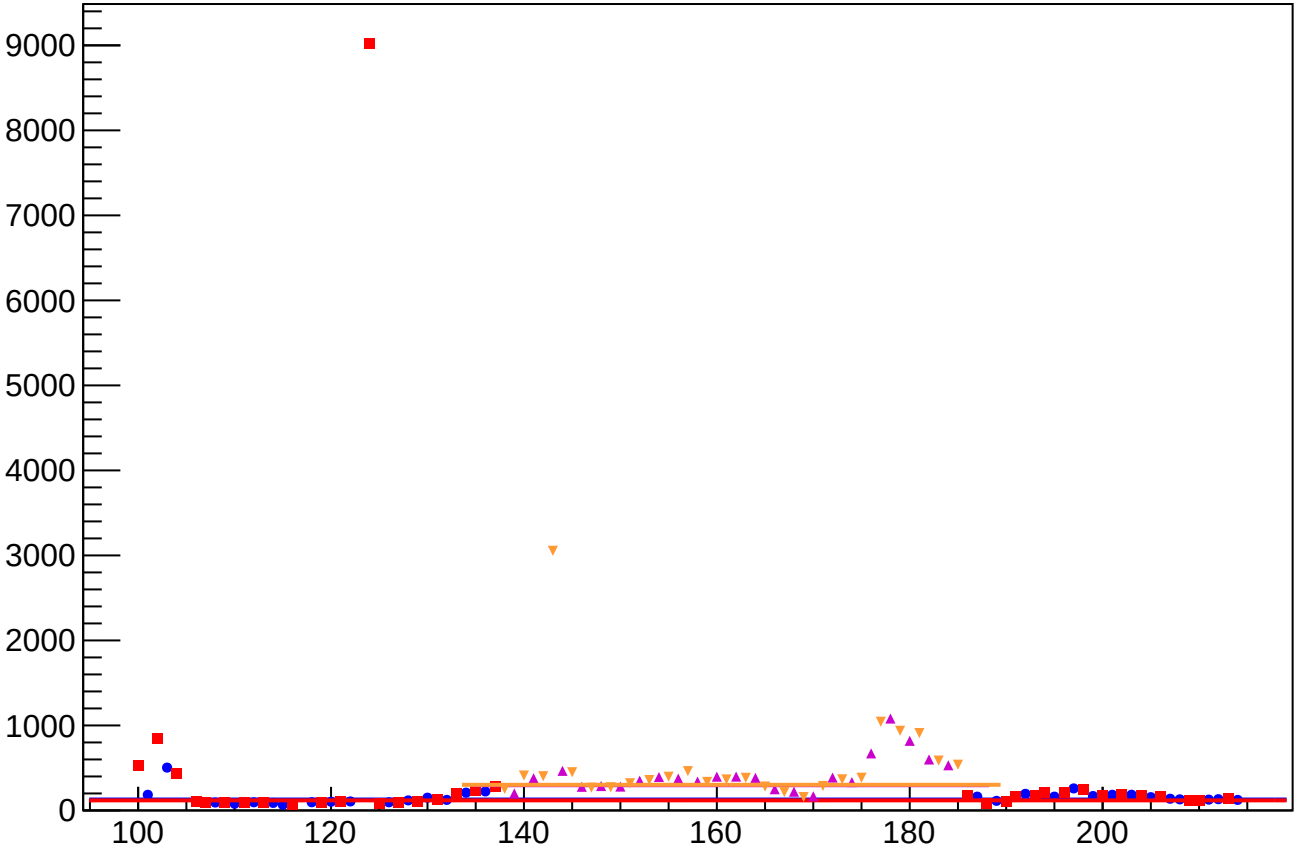
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.022+/-0.030 χ^2/NDF: 51.3/54

All: 0.014+/-0.021 χ^2/NDF: 120.1/111

- sign 0.006+/-0.028 χ^2/NDF: 68.6/56

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 128.550+/-0.023 χ^2/NDF: 3450617.3/29

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

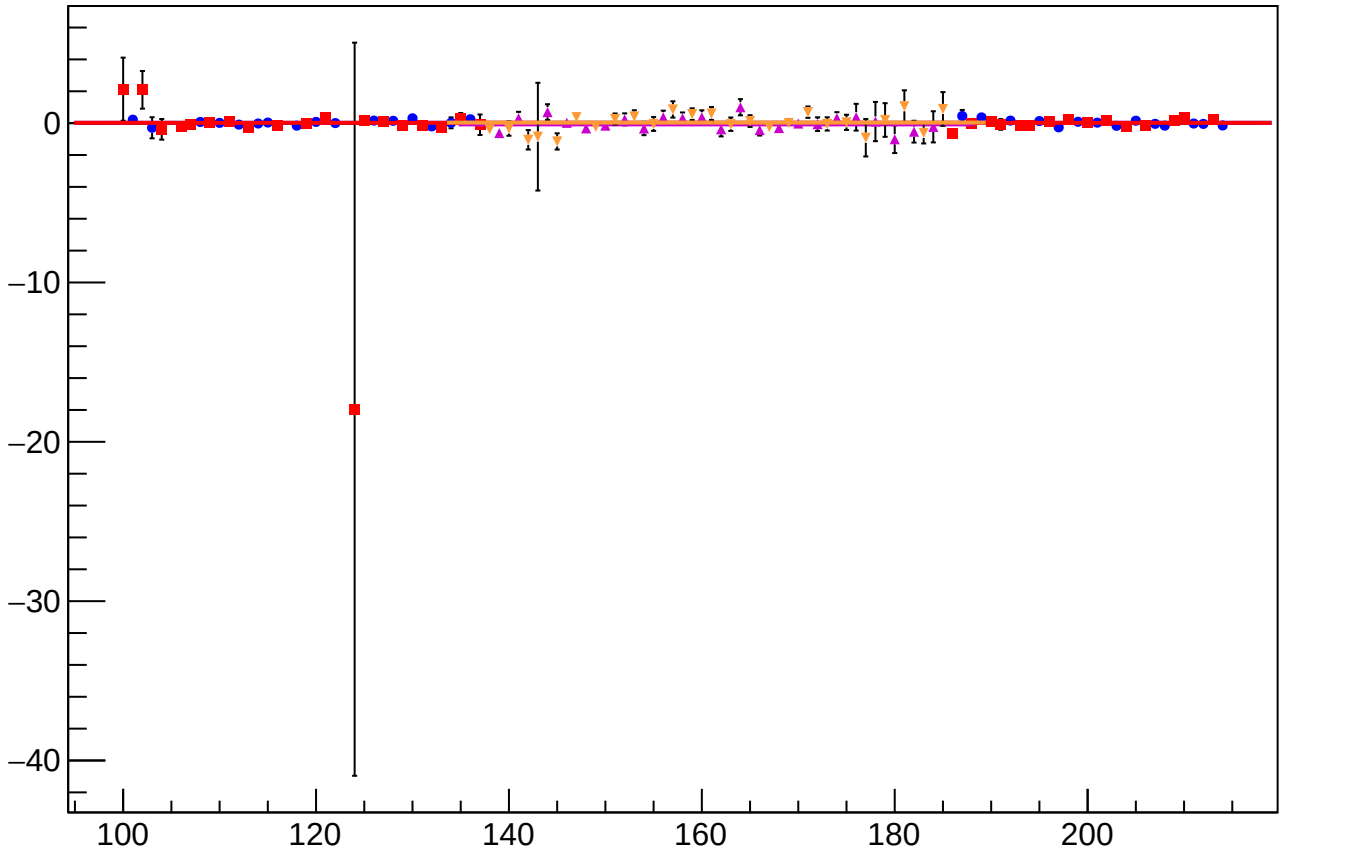
Right Out: 118.670+/-0.022 χ^2/NDF: 5465588.1/33

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 154.630+/-0.021 χ^2/NDF: 18753080.6/54

All: 148.823+/-0.015 χ^2/NDF: 38804055.4/11

- sign 143.595+/-0.020 χ^2/NDF: 19907184.3/56



Right In: 0.020+/-0.032 χ^2/NDF: 21.6/29

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.031 χ^2/NDF: 43.1/33

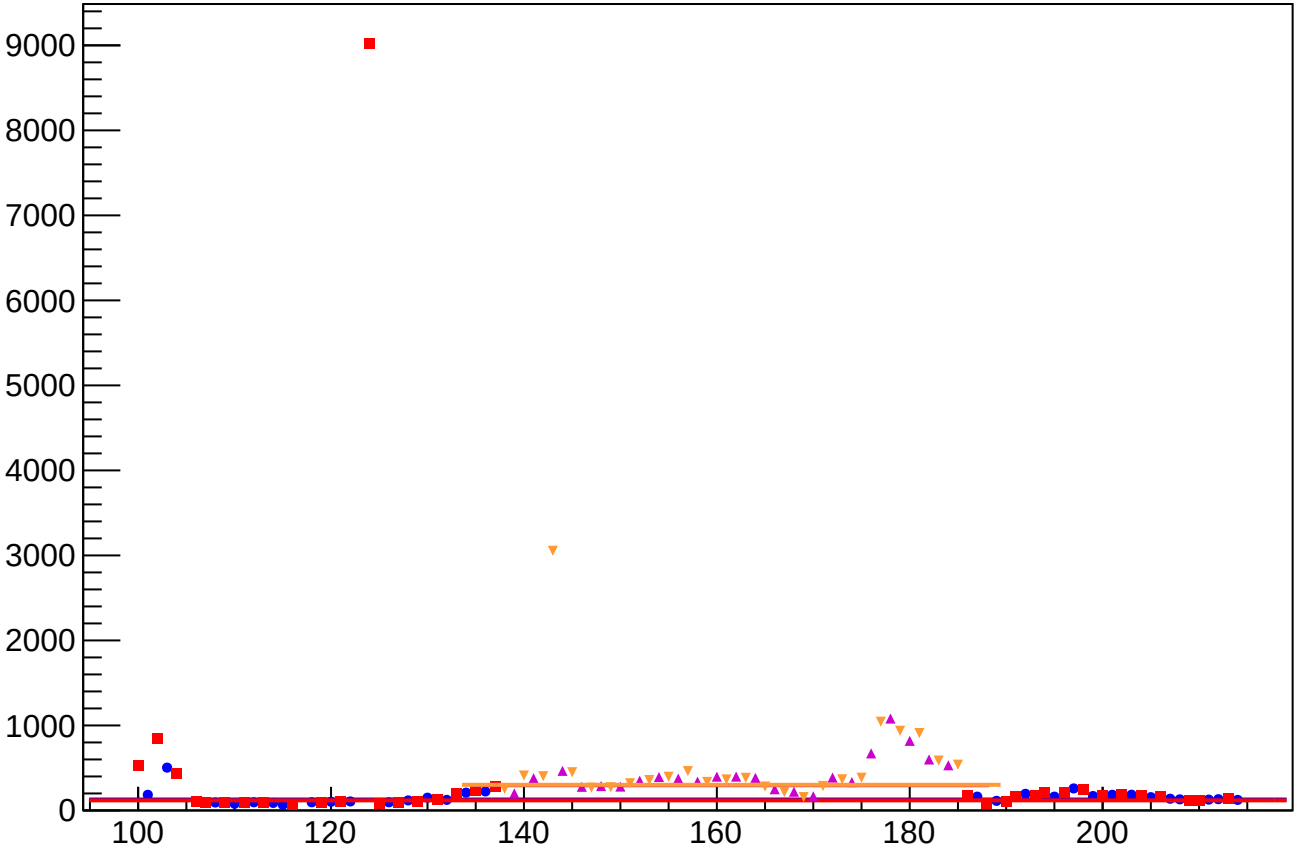
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.022+/-0.030 χ^2/NDF: 51.3/54

All: 0.014+/-0.021 χ^2/NDF: 120.1/111

- sign 0.006+/-0.028 χ^2/NDF: 68.6/56

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 128.550+/-0.023 χ^2/NDF: 3450617.3/29

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

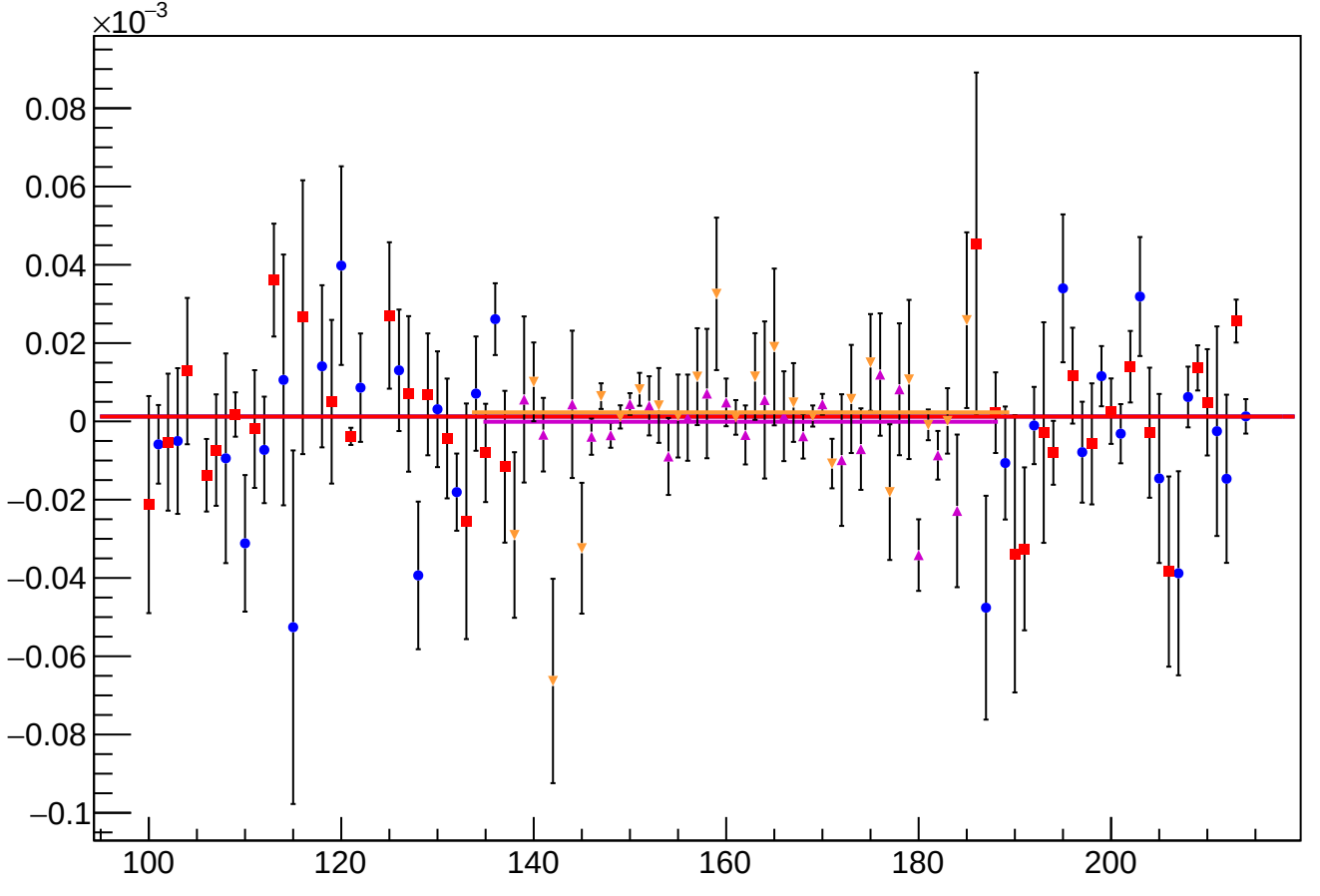
Right Out: 118.670+/-0.022 χ^2/NDF: 5465588.1/33

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 154.630+/-0.021 χ^2/NDF: 18753080.6/54

All: 148.823+/-0.015 χ^2/NDF: 38804055.4/11

- sign 143.595+/-0.020 χ^2/NDF: 19907184.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.0/32

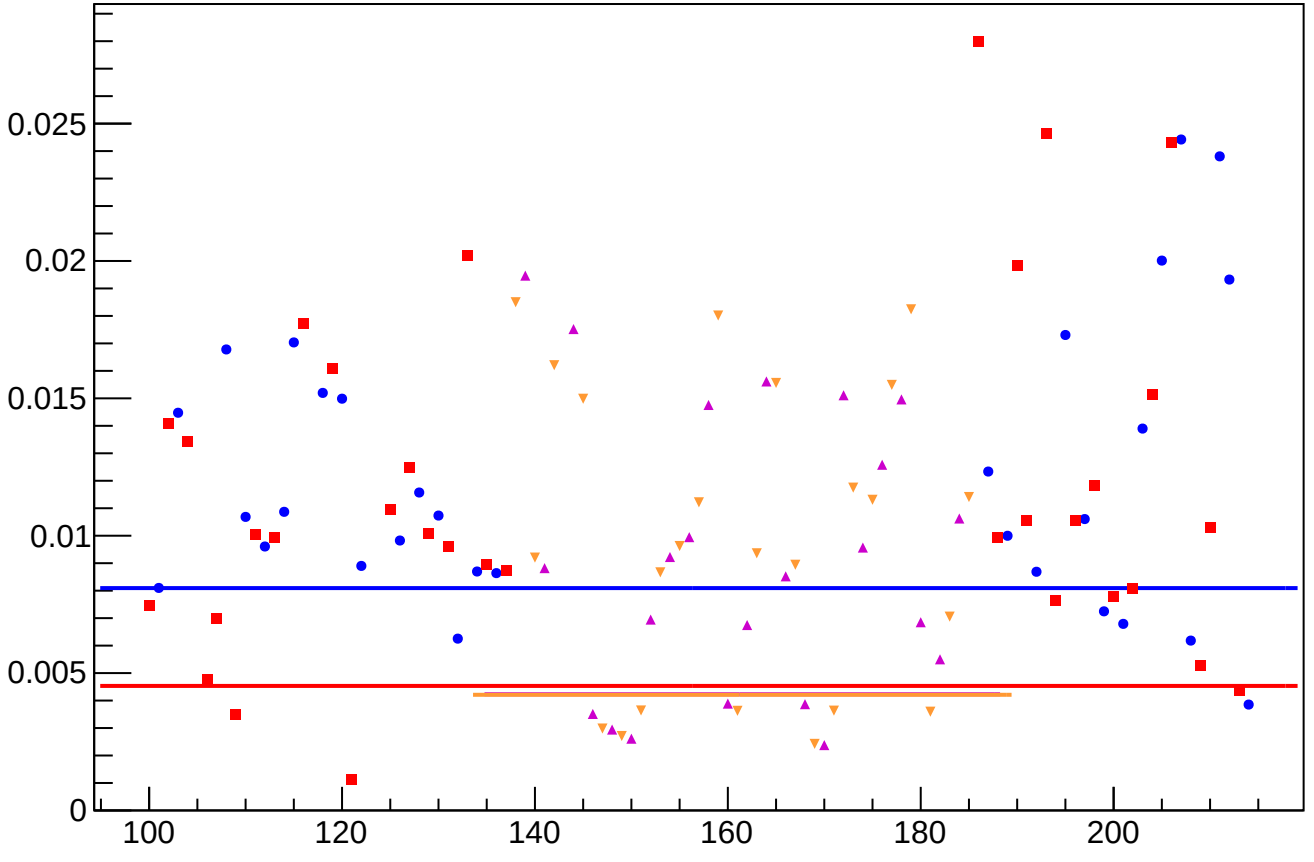
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.2/53

All: 0.000+/-0.000 χ^2/NDF: 161.0/109

- sign 0.000+/-0.000 χ^2/NDF: 85.5/55

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 6854403.3/29

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

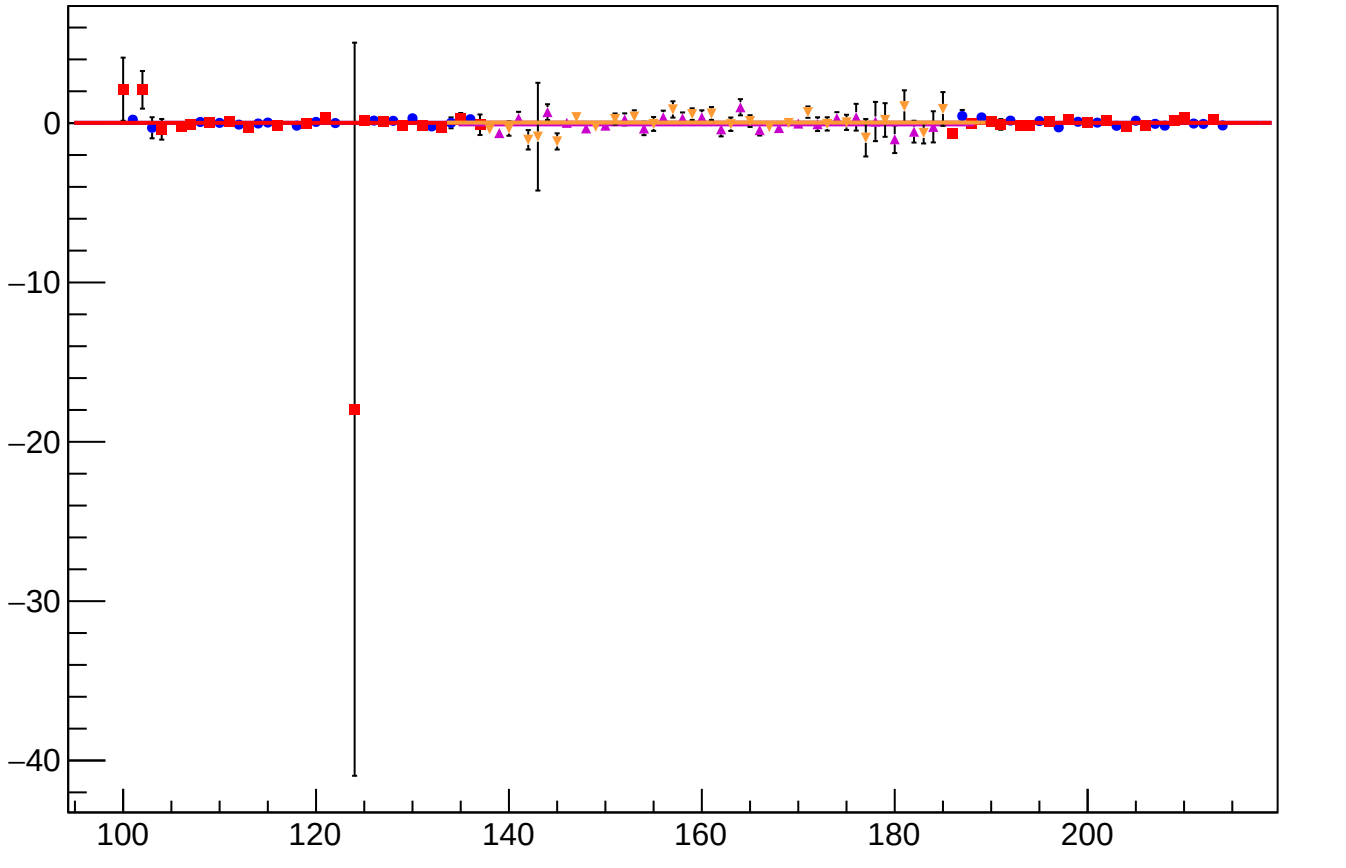
Right Out: 0.005+/-0.000 χ^2/NDF: 16463017.7/32

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 23724182.1/53

All: 0.005+/-0.000 χ^2/NDF: 51898212.5/109

- sign 0.004+/-0.000 χ^2/NDF: 27544663.8/55



Right In: 0.020+/-0.032 χ^2/NDF: 21.6/29

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.019+/-0.031 χ^2/NDF: 43.1/33

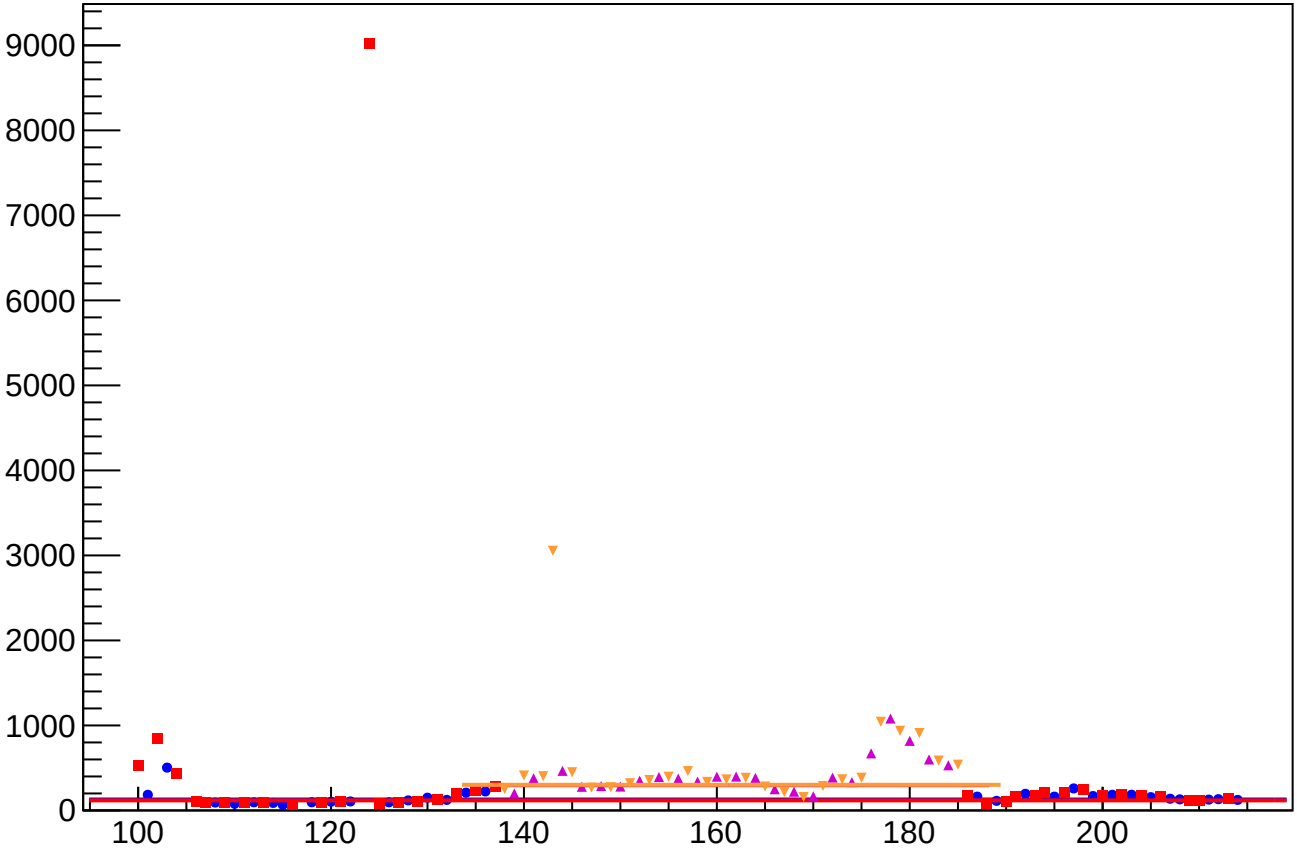
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.022+/-0.030 χ^2/NDF: 51.3/54

All: 0.014+/-0.021 χ^2/NDF: 120.1/111

- sign 0.006+/-0.028 χ^2/NDF: 68.6/56

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 128.551+/-0.023 χ^2/NDF: 3450593.7/29

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

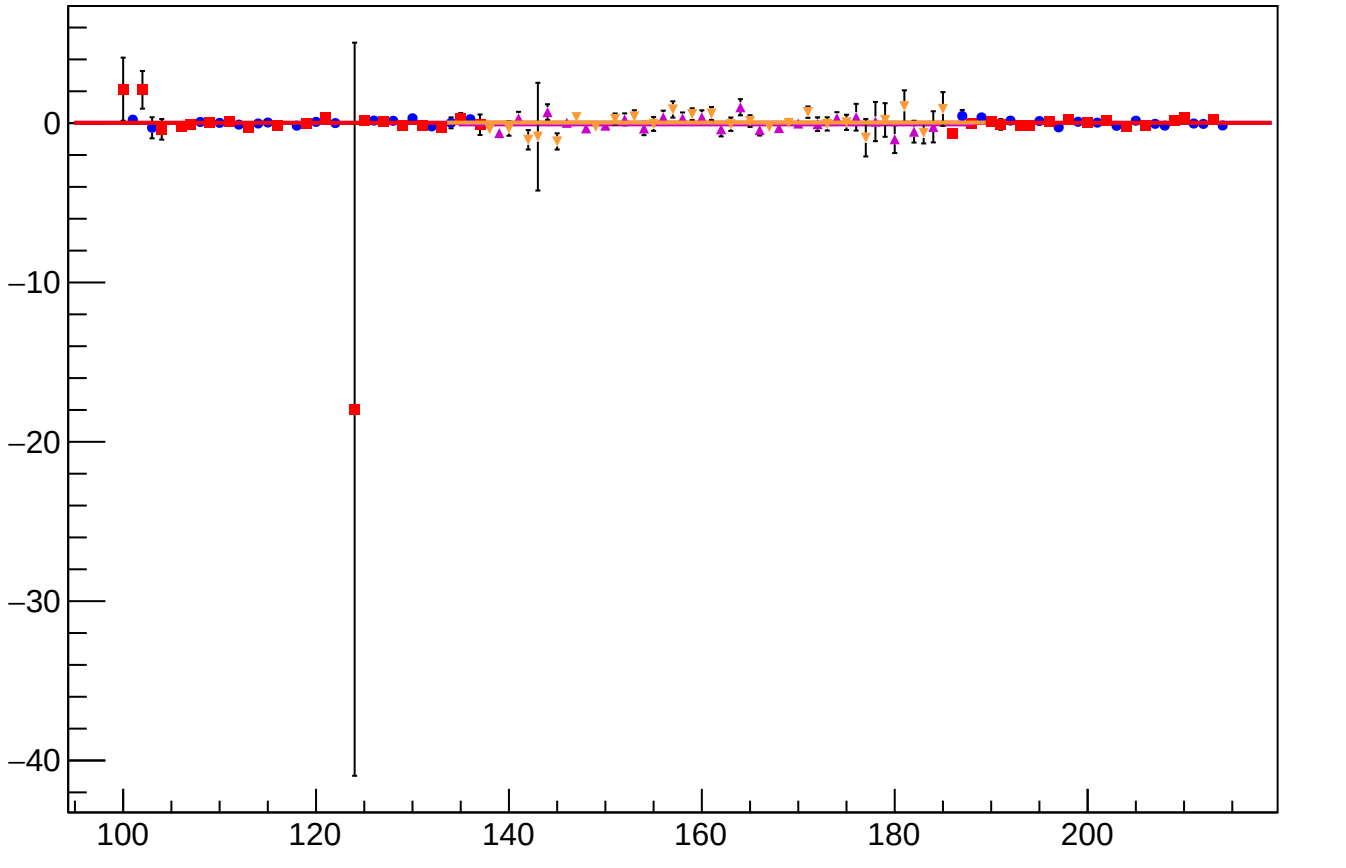
Right Out: 118.671+/-0.022 χ^2/NDF: 5465525.5/33

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 154.631+/-0.021 χ^2/NDF: 18753046.4/54

All: 148.824+/-0.015 χ^2/NDF: 38803994.9/11

- sign 143.596+/-0.020 χ^2/NDF: 19907149.2/56



Right In: 0.020+/-0.032 χ^2/NDF: 21.6/29

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

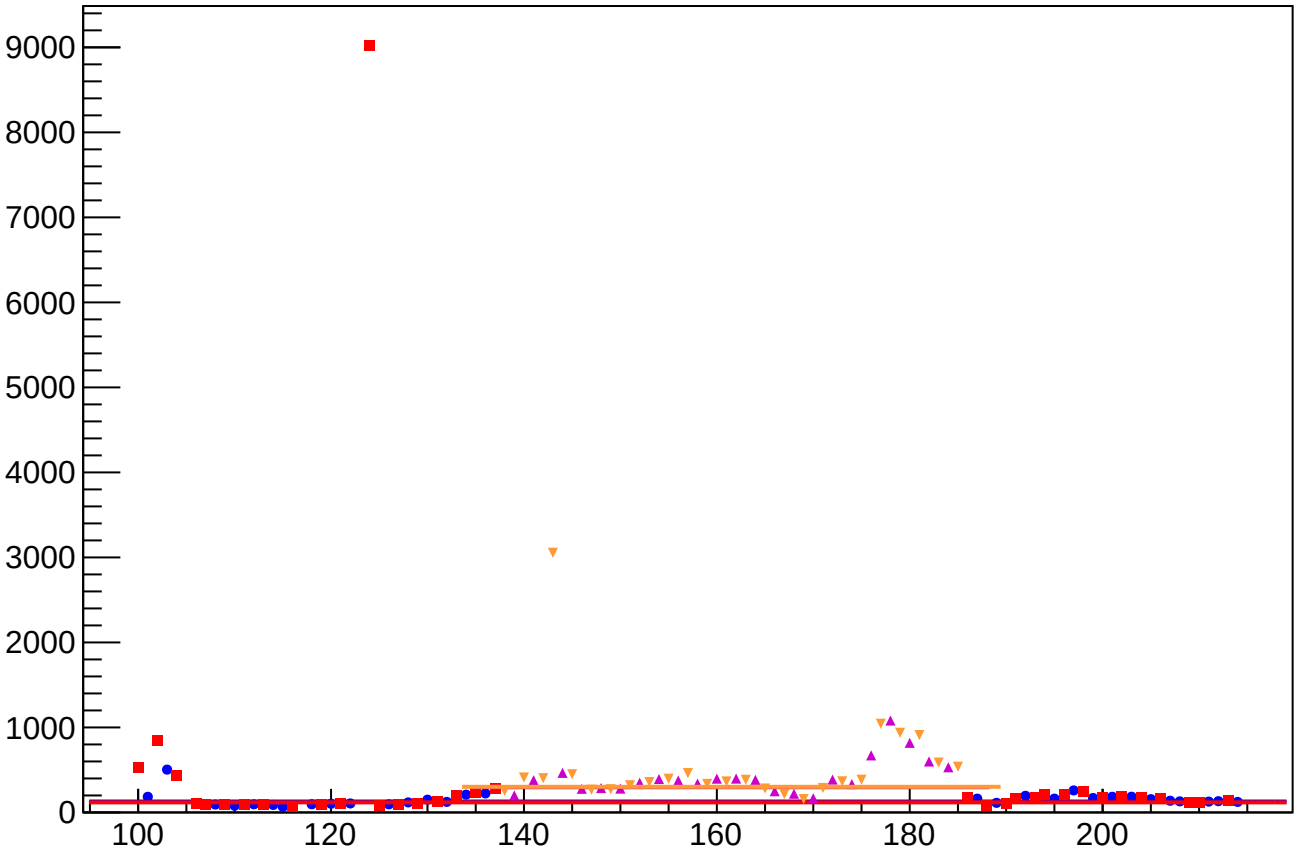
Right Out: 0.019+/-0.031 χ^2/NDF: 43.1/33

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

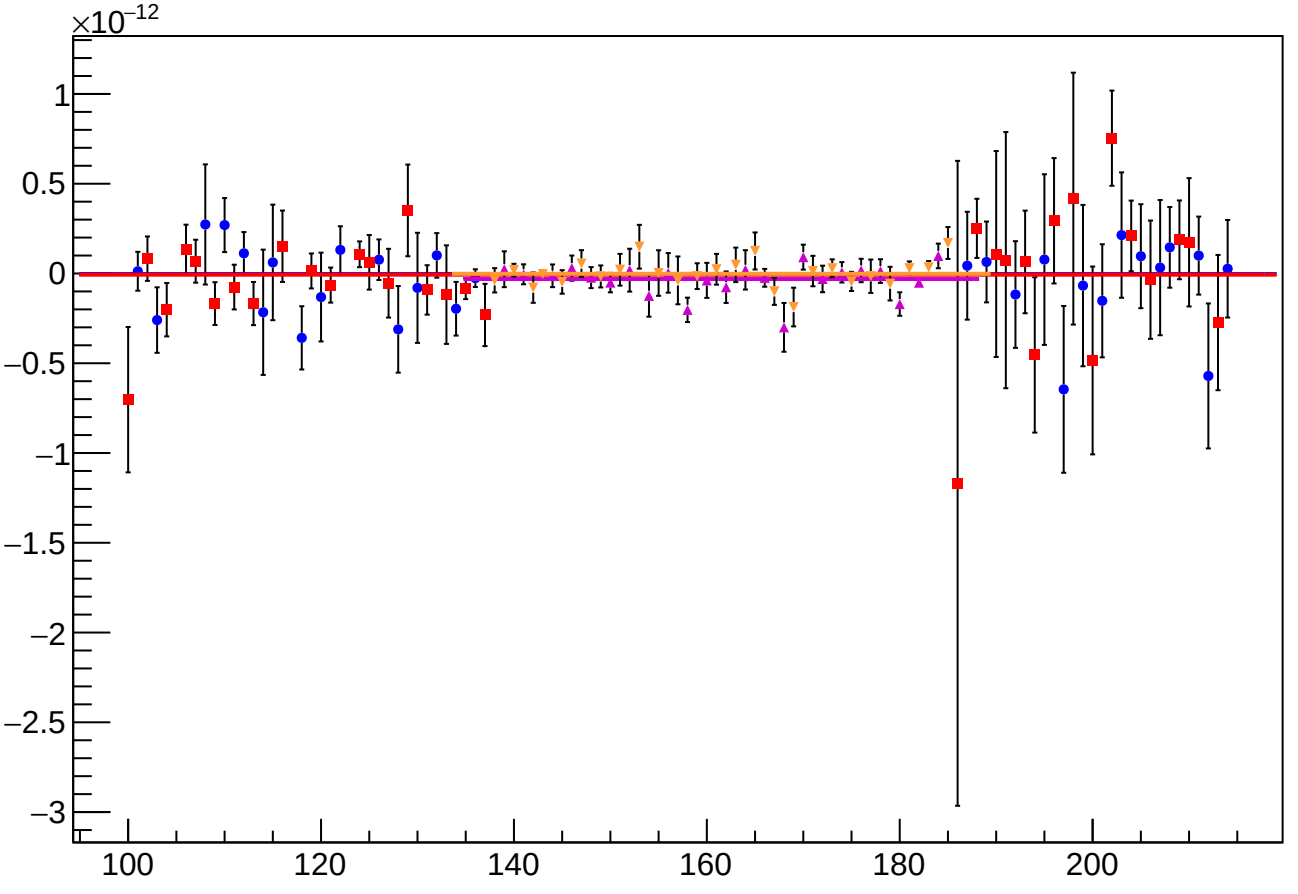
\+ sign 0.022+/-0.030 χ^2/NDF: 51.3/54

All: 0.014+/-0.021 χ^2/NDF: 120.1/111

\- sign 0.006+/-0.028 χ^2/NDF: 68.6/56


asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 128.551+/-0.023 χ²/NDF: 3450593.7/29
Left Out: 301.737+/-0.054 χ²/NDF:6693577.7/24
Right Out: 118.671+/-0.022 χ²/NDF: 5465525.5/33
Left In: 296.878+/-0.054 χ²/NDF:4917864.1/22
+ sign 154.631+/-0.021 χ²/NDF: 18753046.4/54
All: 148.824+/-0.015 χ²/NDF: 38803994.9/11
- sign 143.596+/-0.020 χ²/NDF: 19907149.2/56

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

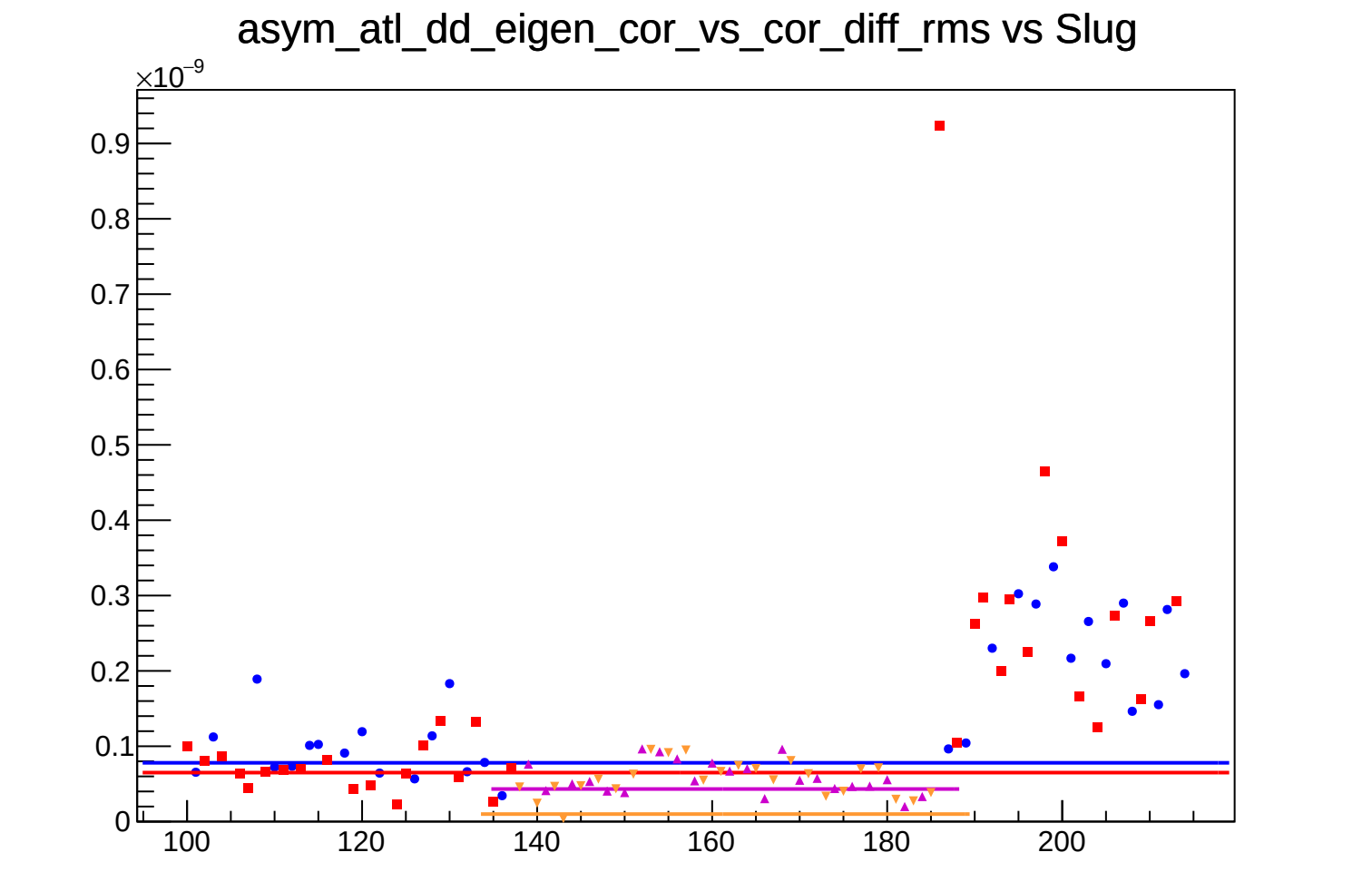
Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/33

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

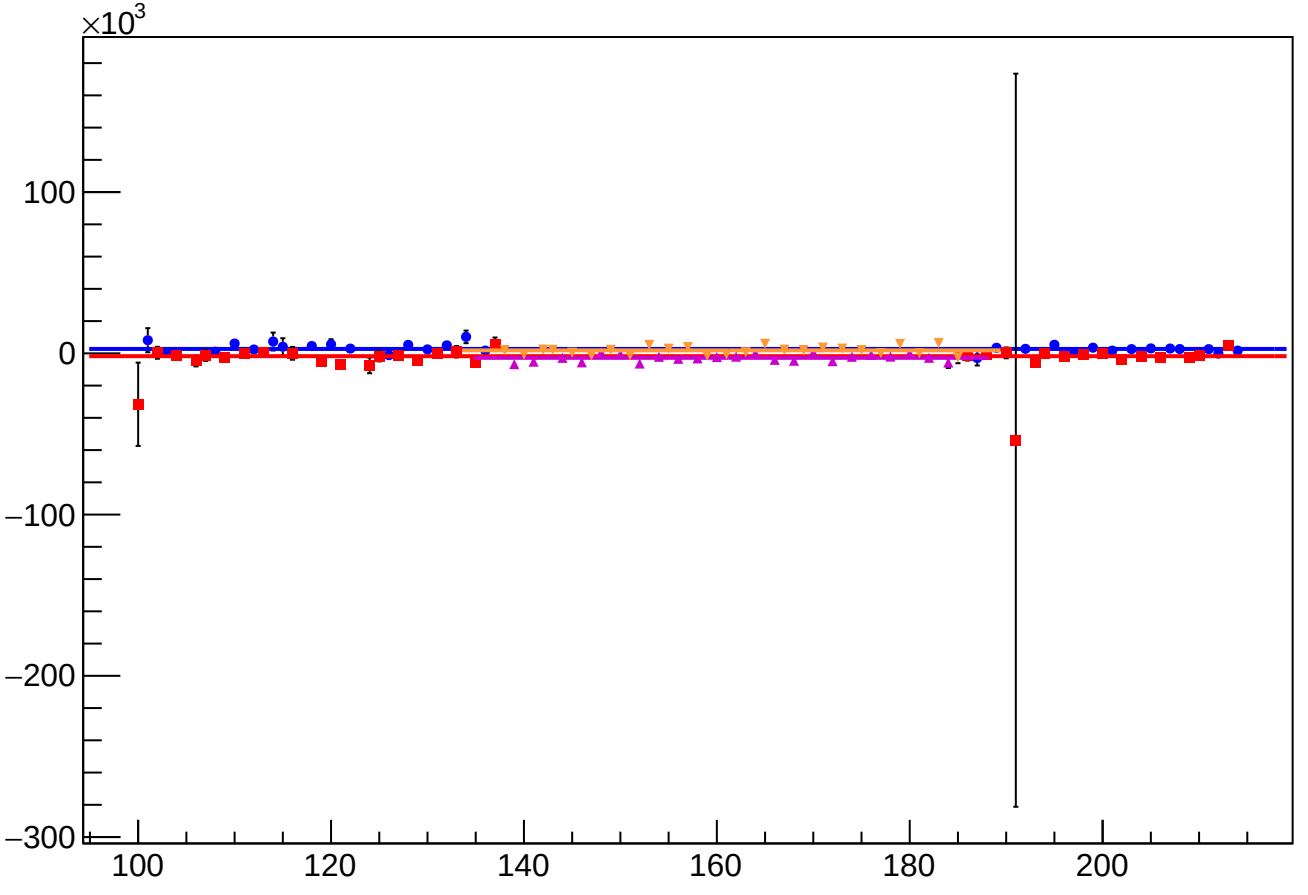
+ sign -0.000+/-0.000 χ^2/NDF: 40.8/54

All: -0.000+/-0.000 χ^2/NDF: 108.7/111

- sign -0.000+/-0.000 χ^2/NDF: 64.3/56


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
Right In: 0.000+/-0.000 χ²/NDF: 7790465.2/29
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 9036504.4/33
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 36607017.8/54
All: 0.000+/-0.000 χ²/NDF: 66384693.6/111
- sign 0.000+/-0.000 χ²/NDF: 14217109.5/56

reg_asym_atr_avg_mean vs Slug



Right In: 2737.418+/-459.655 χ^2/NDF: 18.5/29

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1750.835+/-454.321 χ^2/NDF: 32.8/33

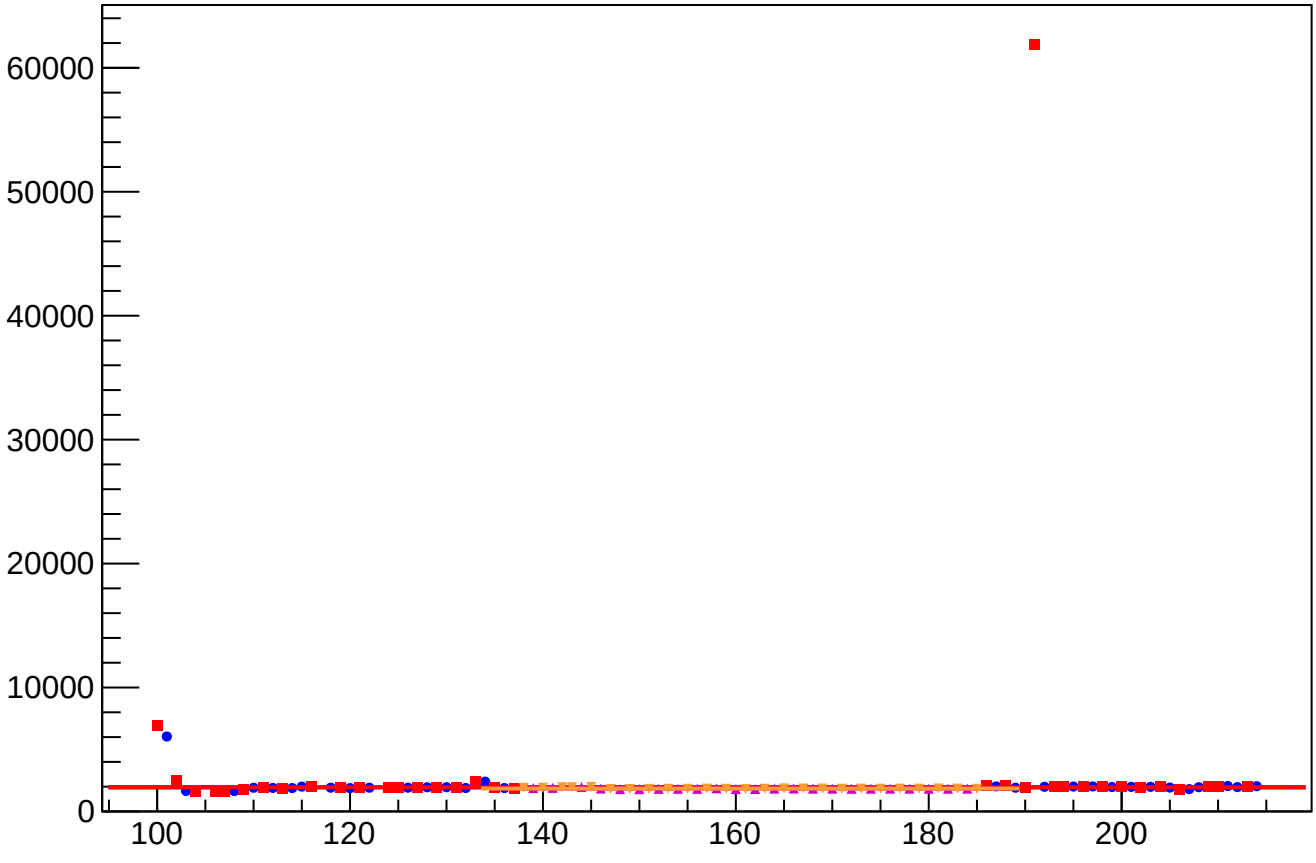
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.881+/-310.060 χ^2/NDF: 52.0/54

All: 0.998+/-220.150 χ^2/NDF: 219.5/111

- sign -2290.436+/-312.633 χ^2/NDF: 60.9/56

reg_asym_atr_avg_rms vs Slug



Right In: 1948.643+/-0.325 χ^2/NDF: 726468.9/29

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1947.671+/-0.321 χ^2/NDF: 424545.7/33

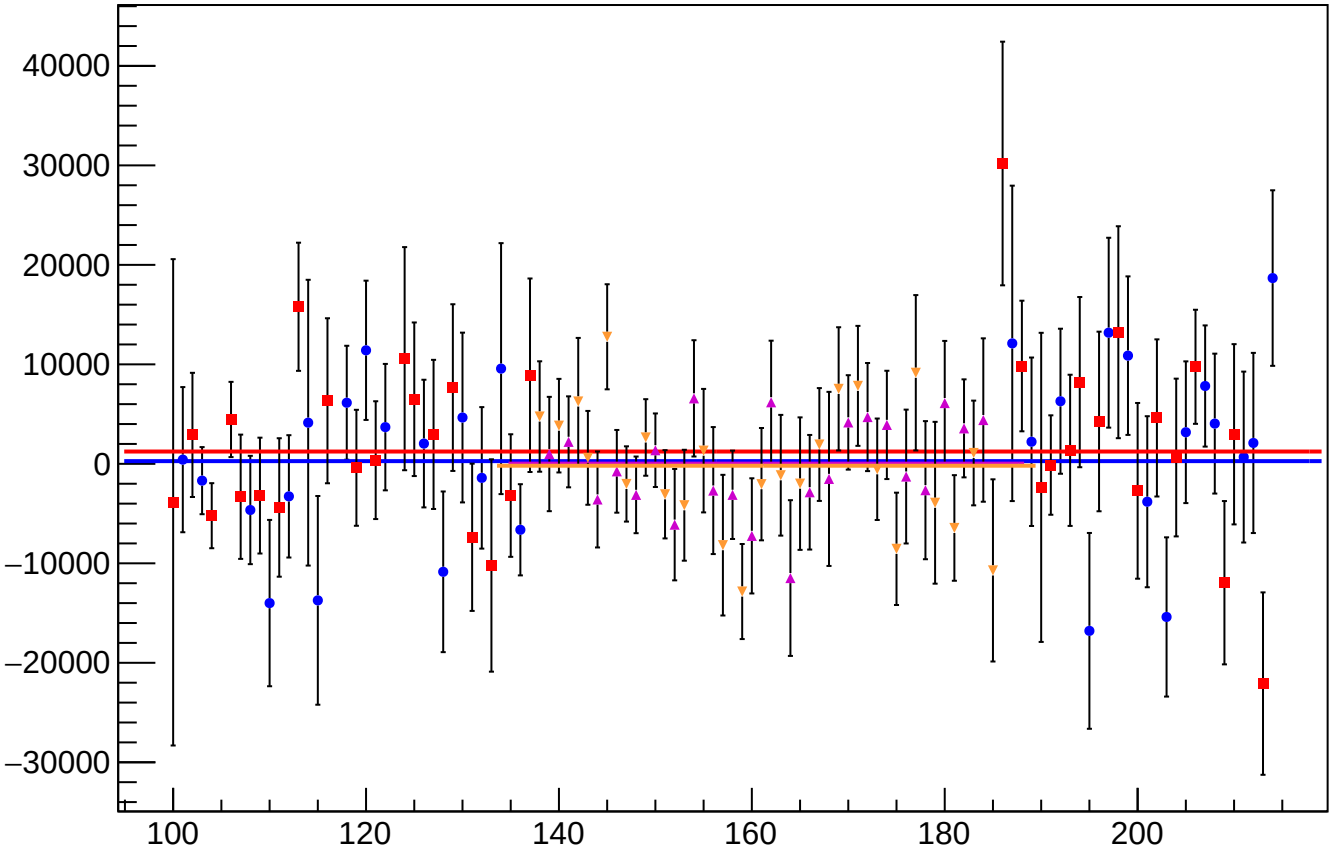
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1894.079+/-0.219 χ^2/NDF: 799068.9/54

All: 1893.902+/-0.156 χ^2/NDF: 1291433.7/11

- sign 1893.722+/-0.221 χ^2/NDF: 492363.5/56

asym_atr_avg_reg_correction_mean vs Slug



Right In: 272.184+/-1284.309 χ^2/NDF: 33.6/29

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1237.729+/-1175.095 χ^2/NDF: 38.7/33

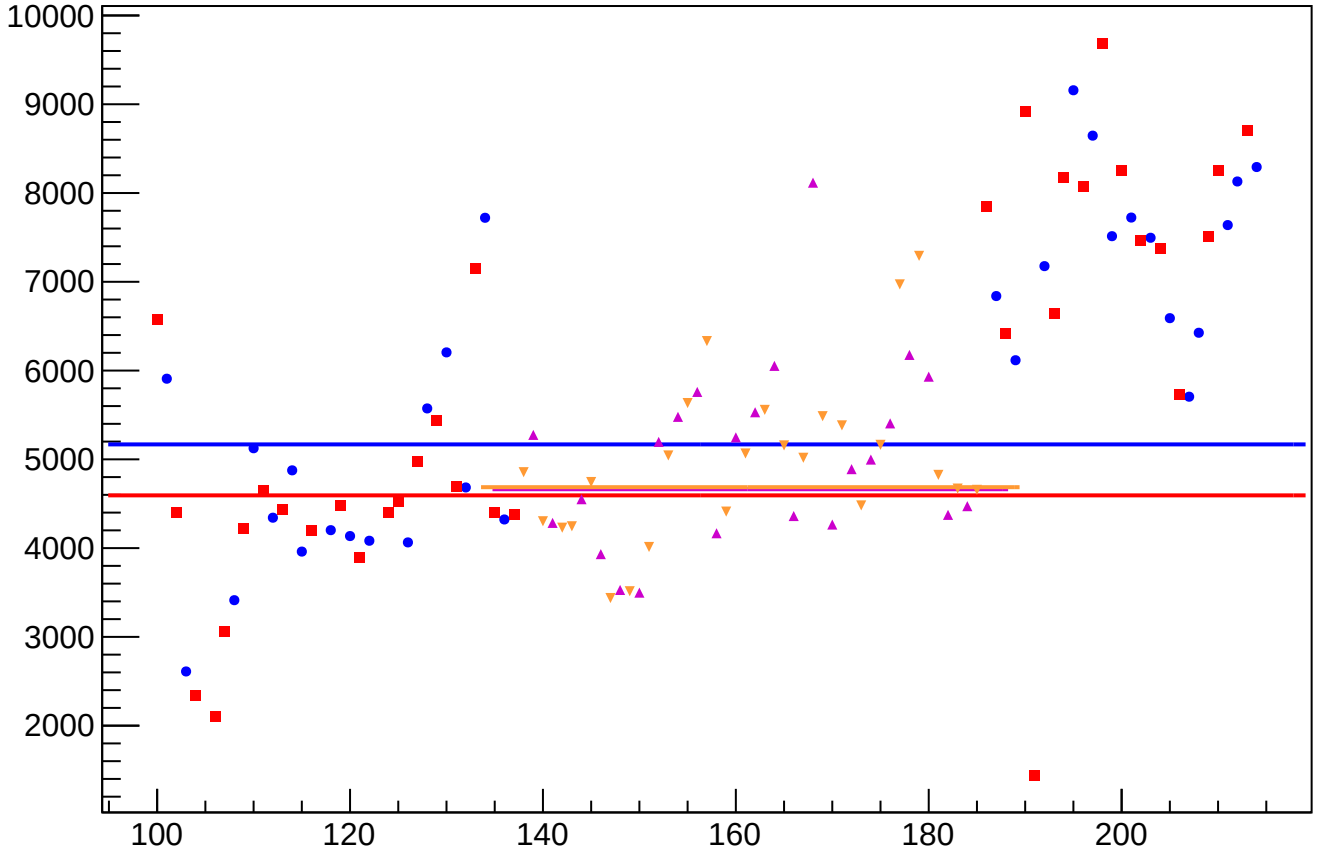
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign 3.550+/-830.432 χ^2/NDF: 62.6/54

All: 307.553+/-579.076 χ^2/NDF: 115.8/111

- sign 595.288+/-807.907 χ^2/NDF: 53.0/56

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5168.347+/-0.908 χ^2/NDF: 3955816.4/29

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4594.200+/-0.831 χ^2/NDF: 6553012.8/33

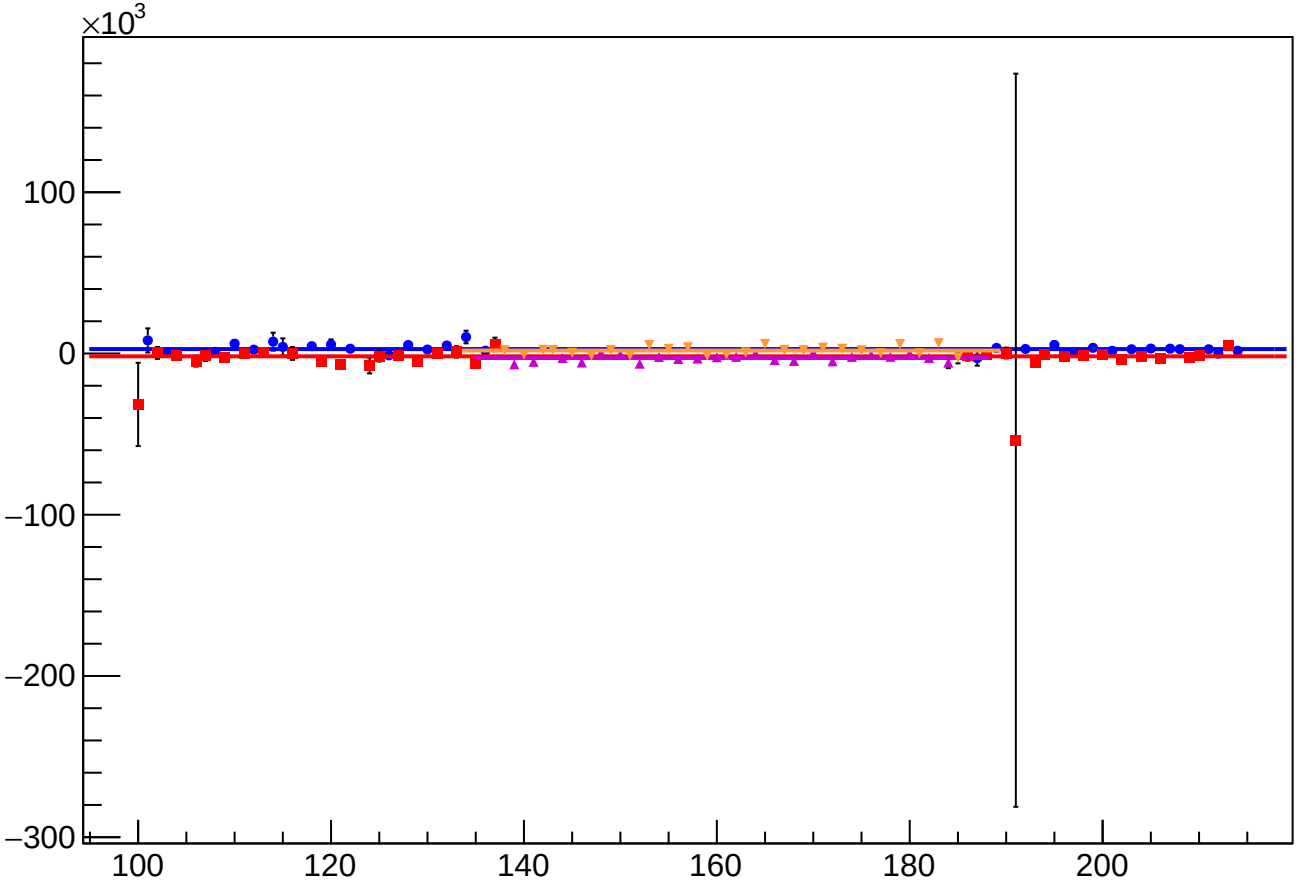
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4887.870+/-0.587 χ^2/NDF: 5304799.6/54

All: 4755.710+/-0.409 χ^2/NDF: 13246781.6/1

- sign 4630.622+/-0.571 χ^2/NDF: 7843382.9/56

cor_asym_atr_avg_mean vs Slug



Right In: 2737.167+/-459.655 χ^2/NDF: 18.5/29

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1751.314+/-454.322 χ^2/NDF: 32.8/33

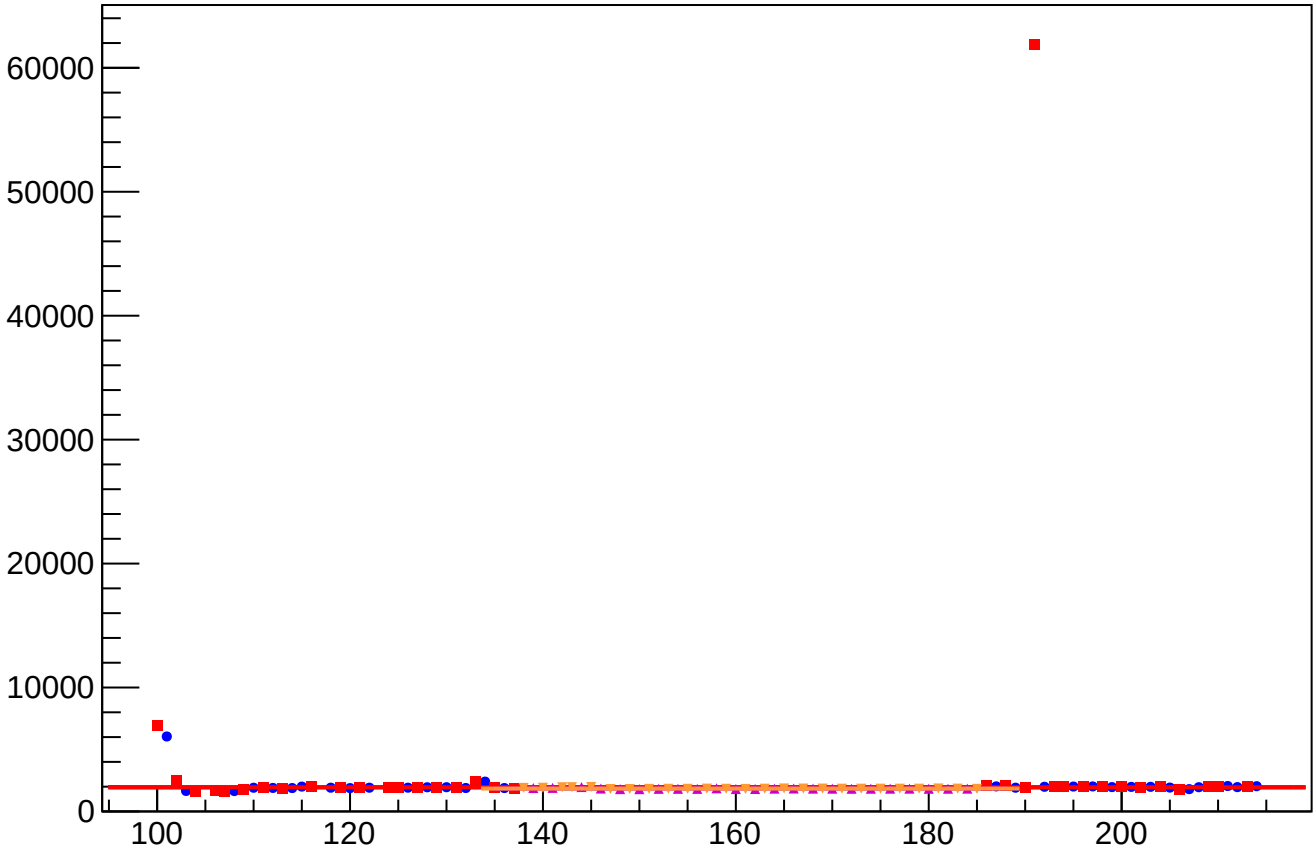
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.707+/-310.060 χ^2/NDF: 52.0/54

All: 0.806+/-220.150 χ^2/NDF: 219.5/111

- sign -2290.652+/-312.633 χ^2/NDF: 61.0/56

cor_asym_atr_avg_rms vs Slug



Right In: 1948.644+/-0.325 χ^2/NDF: 726467.9/29

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1949.390+/-0.321 χ^2/NDF: 416257.3/33

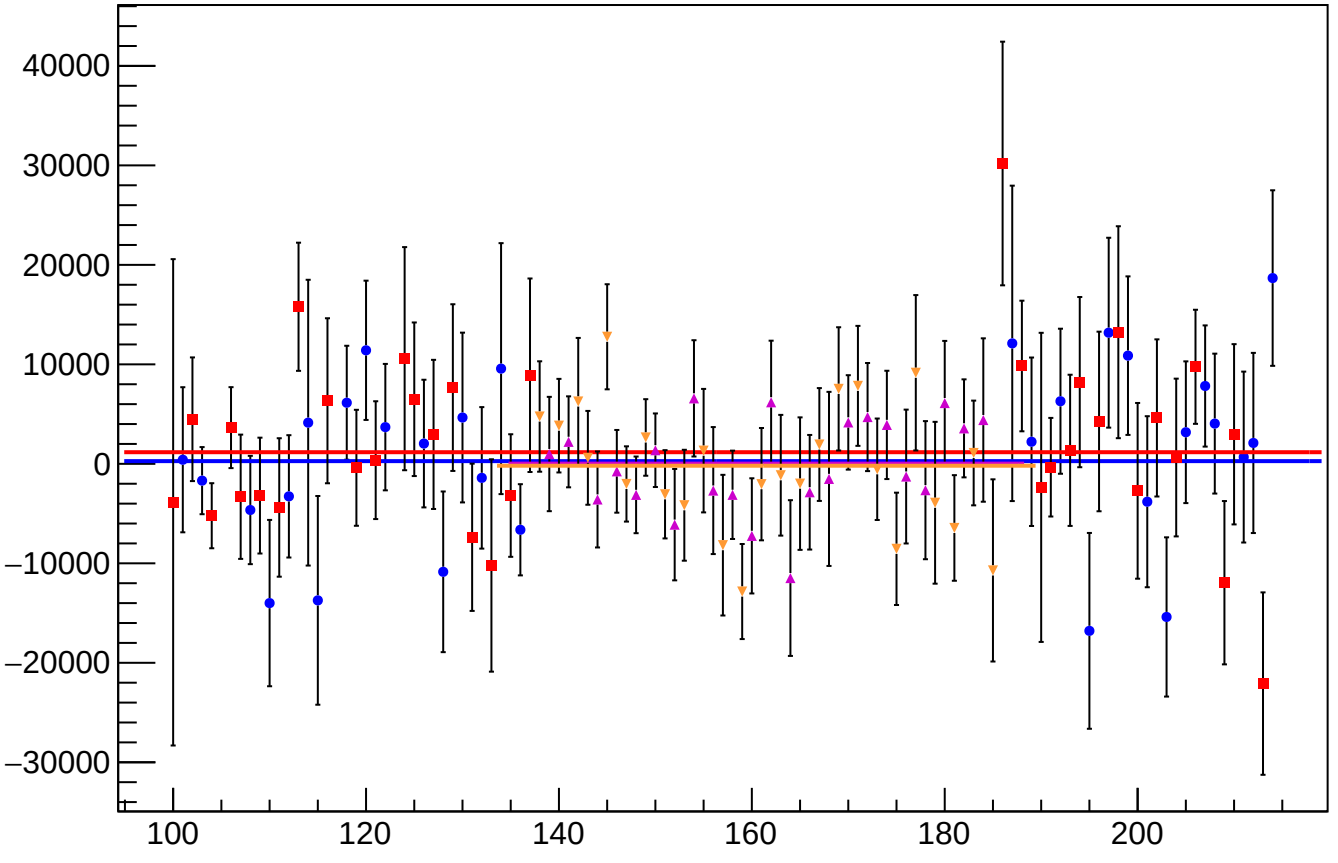
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1894.079+/-0.219 χ^2/NDF: 799068.1/54

All: 1894.286+/-0.156 χ^2/NDF: 1284916.9/11

- sign 1894.497+/-0.221 χ^2/NDF: 485847.0/56

asym_atr_avg_cor_correction_mean vs Slug



Right In: 271.998+/-1284.310 χ^2/NDF: 33.6/29

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1169.133+/-1182.191 χ^2/NDF: 38.5/33

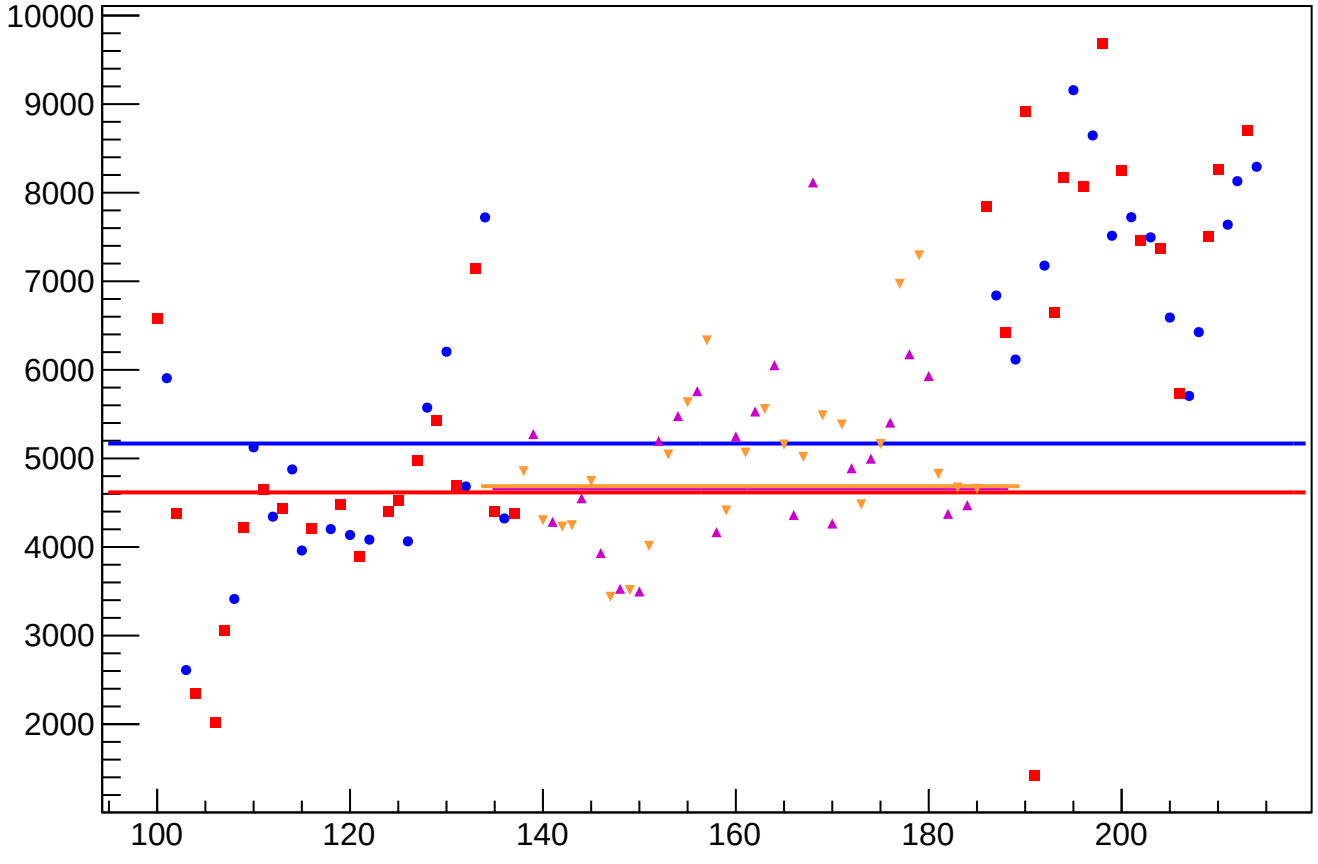
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign 3.454+/-830.431 χ^2/NDF: 62.6/54

All: 288.299+/-579.919 χ^2/NDF: 115.6/111

- sign 559.435+/-810.203 χ^2/NDF: 52.8/56

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5168.410+/-0.908 χ^2/NDF: 3955157.7/29

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

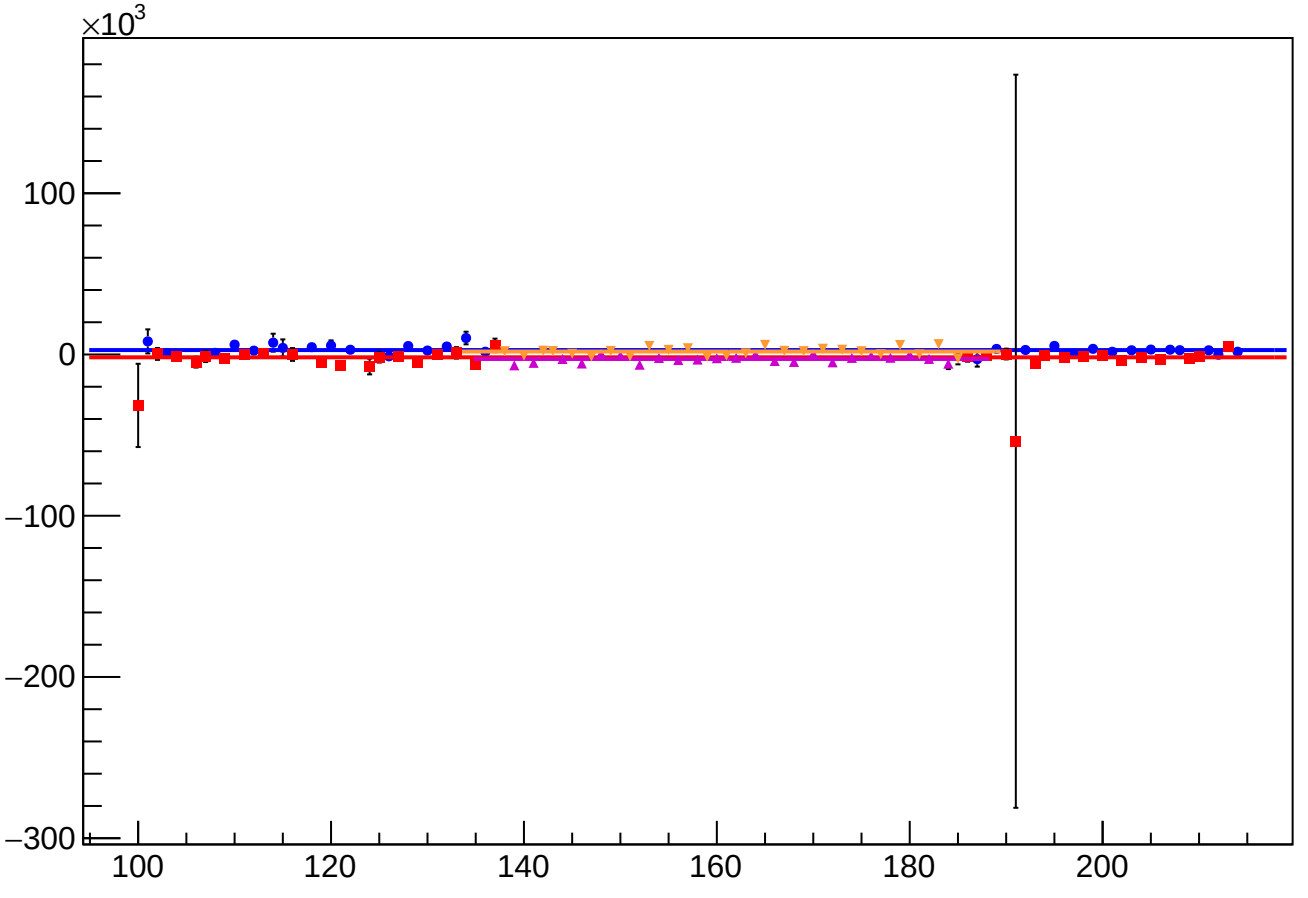
Right Out: 4616.547+/-0.836 χ^2/NDF: 6501051.5/33

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4887.891+/-0.587 χ^2/NDF: 5304214.0/54

All: 4761.569+/-0.410 χ^2/NDF: 13183975.5/1

- sign 4641.326+/-0.573 χ^2/NDF: 7789431.2/56



Right In: 2737.167+/-459.655 χ^2/NDF: 18.5/29

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1751.314+/-454.322 χ^2/NDF: 32.8/33

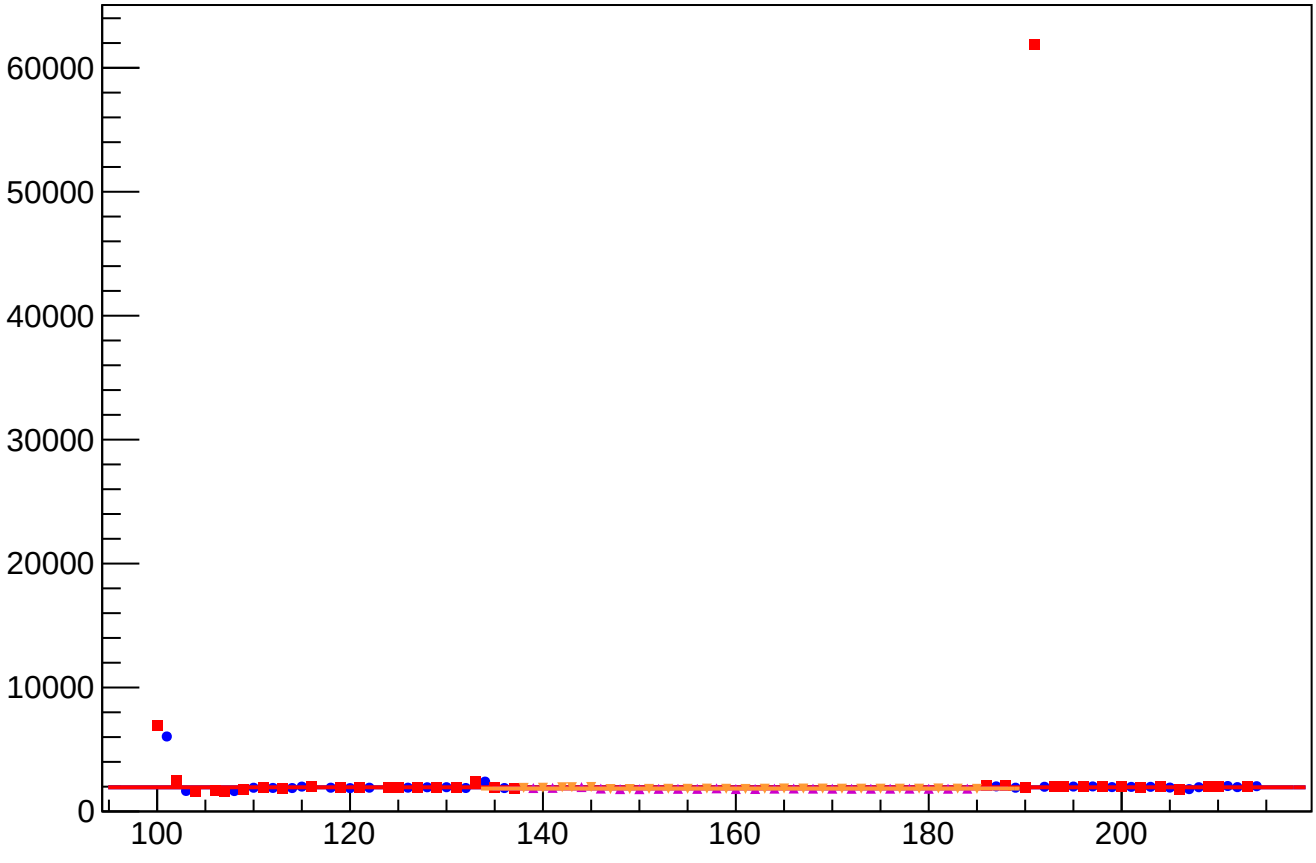
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2254.707+/-310.060 χ^2/NDF: 52.0/54

All: 0.806+/-220.150 χ^2/NDF: 219.5/111

- sign -2290.652+/-312.633 χ^2/NDF: 61.0/56

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1948.644+/-0.325 χ^2/NDF: 726467.9/29

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

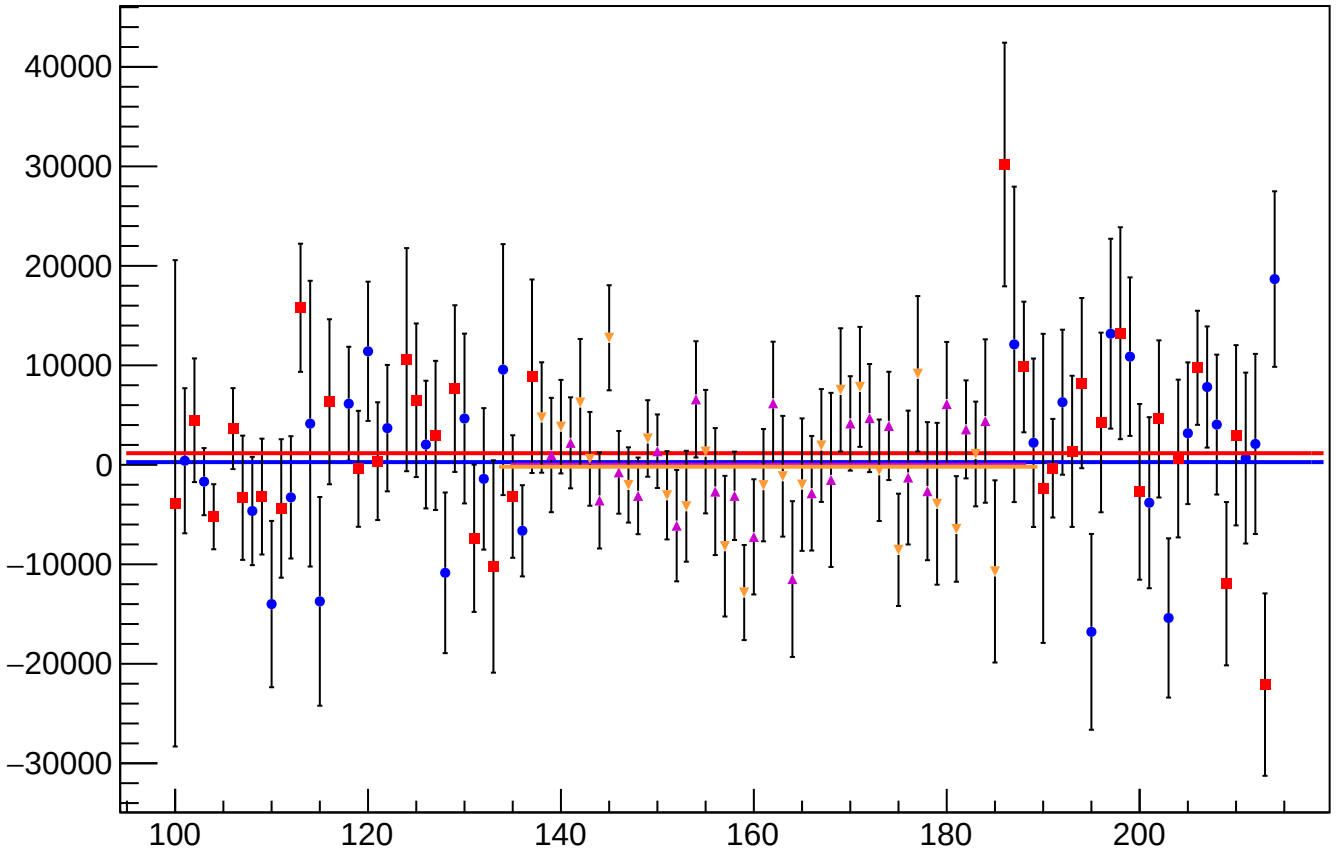
Right Out: 1949.390+/-0.321 χ^2/NDF: 416257.3/33

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1894.079+/-0.219 χ^2/NDF: 799068.1/54

All: 1894.286+/-0.156 χ^2/NDF: 1284916.9/11

- sign 1894.497+/-0.221 χ^2/NDF: 485847.0/56



Right In: 271.998+/-1284.310 χ^2/NDF: 33.6/29

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1169.133+/-1182.191 χ^2/NDF: 38.5/33

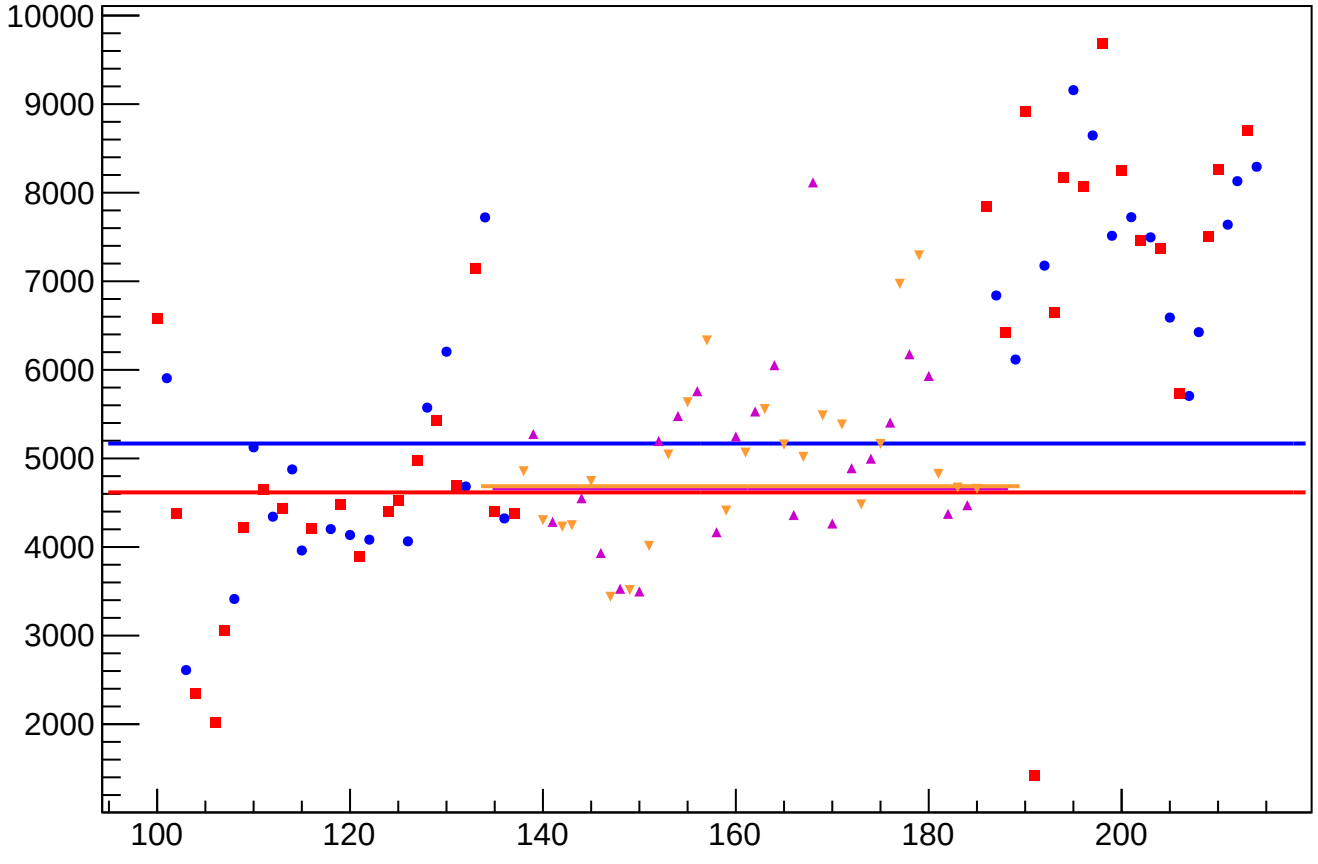
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign 3.454+/-830.431 χ^2/NDF: 62.6/54

All: 288.299+/-579.919 χ^2/NDF: 115.6/111

- sign 559.435+/-810.203 χ^2/NDF: 52.8/56

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5168.410+/-0.908 χ^2/NDF: 3955157.7/29

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4616.547+/-0.836 χ^2/NDF: 6501051.5/33

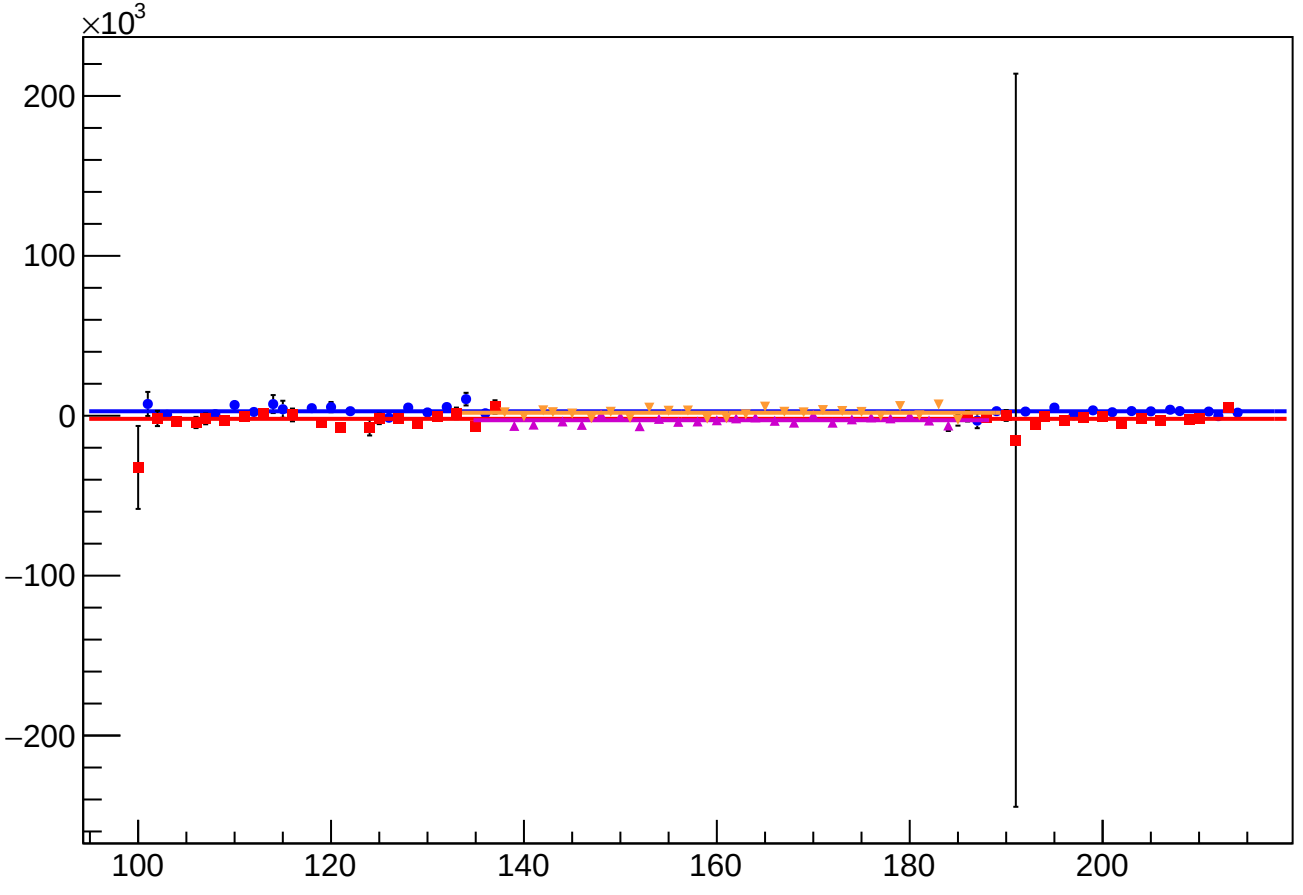
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4887.891+/-0.587 χ^2/NDF: 5304214.0/54

All: 4761.569+/-0.410 χ^2/NDF: 13183975.5/1

- sign 4641.326+/-0.573 χ^2/NDF: 7789431.2/56

dit_asym_atr_avg_mean vs Slug



Right In: 2796.596+/-468.376 χ^2/NDF: 18.9/29

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1936.219+/-464.154 χ^2/NDF: 34.4/33

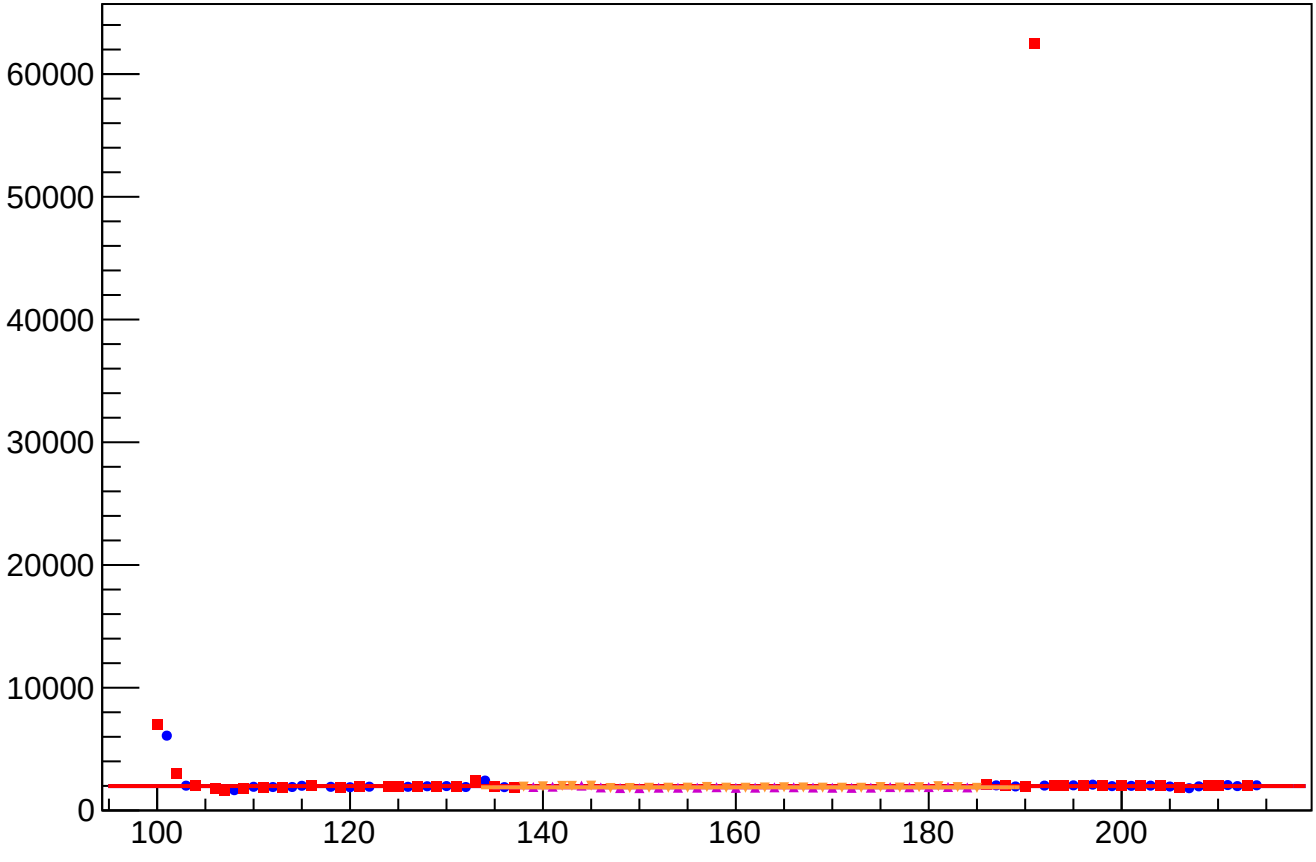
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2298.640+/-316.347 χ^2/NDF: 54.0/54

All: -26.413+/-224.634 χ^2/NDF: 224.6/111

- sign -2391.093+/-319.032 χ^2/NDF: 61.7/56

dit_asym_atr_avg_rms vs Slug



Right In: 1986.232+/-0.331 χ^2/NDF: 695043.8/29

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.990+/-0.328 χ^2/NDF: 436079.3/33

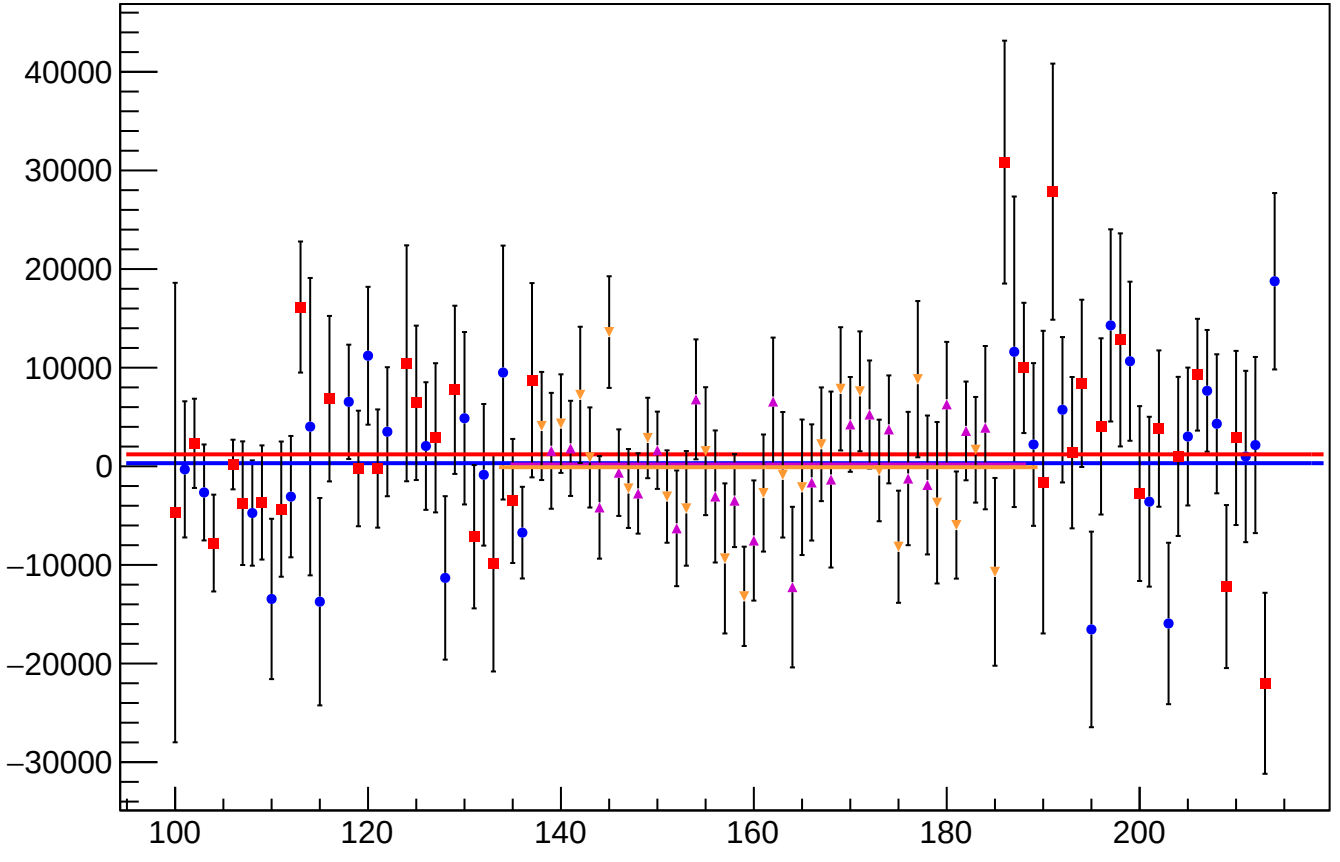
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1932.564+/-0.224 χ^2/NDF: 775284.0/54

All: 1931.957+/-0.159 χ^2/NDF: 1286944.6/11

- sign 1931.340+/-0.226 χ^2/NDF: 511645.7/56

asym_atr_avg_dit_correction_mean vs Slug



Right In: 316.299+/-1340.046 χ^2/NDF: 33.3/29

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1212.657+/-1159.419 χ^2/NDF: 41.6/33

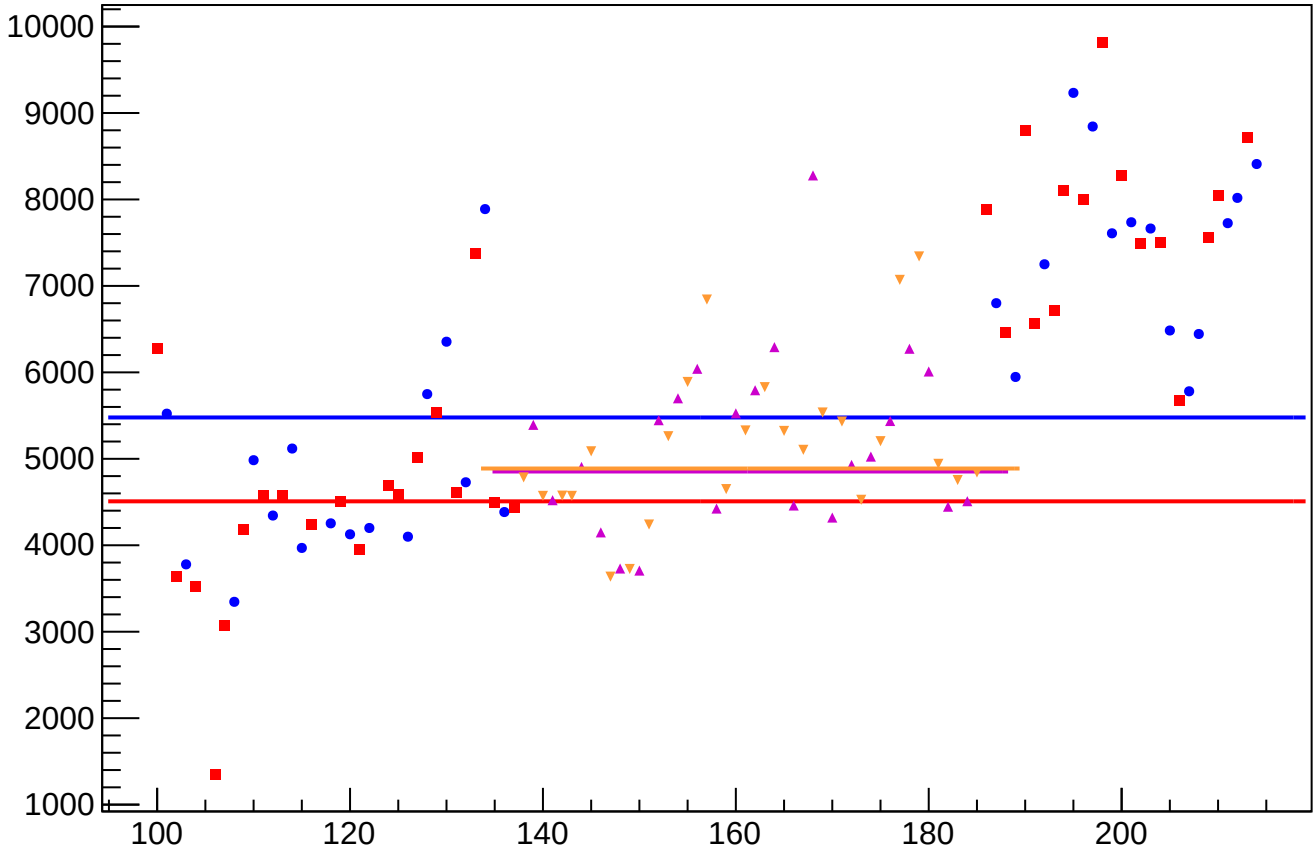
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign 78.310+/-865.302 χ^2/NDF: 61.4/54

All: 402.882+/-594.679 χ^2/NDF: 117.2/111

- sign 693.395+/-818.643 χ^2/NDF: 55.5/56

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5478.333+/-0.948 χ^2/NDF: 2912262.0/29

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4508.171+/-0.820 χ^2/NDF: 7495998.8/33

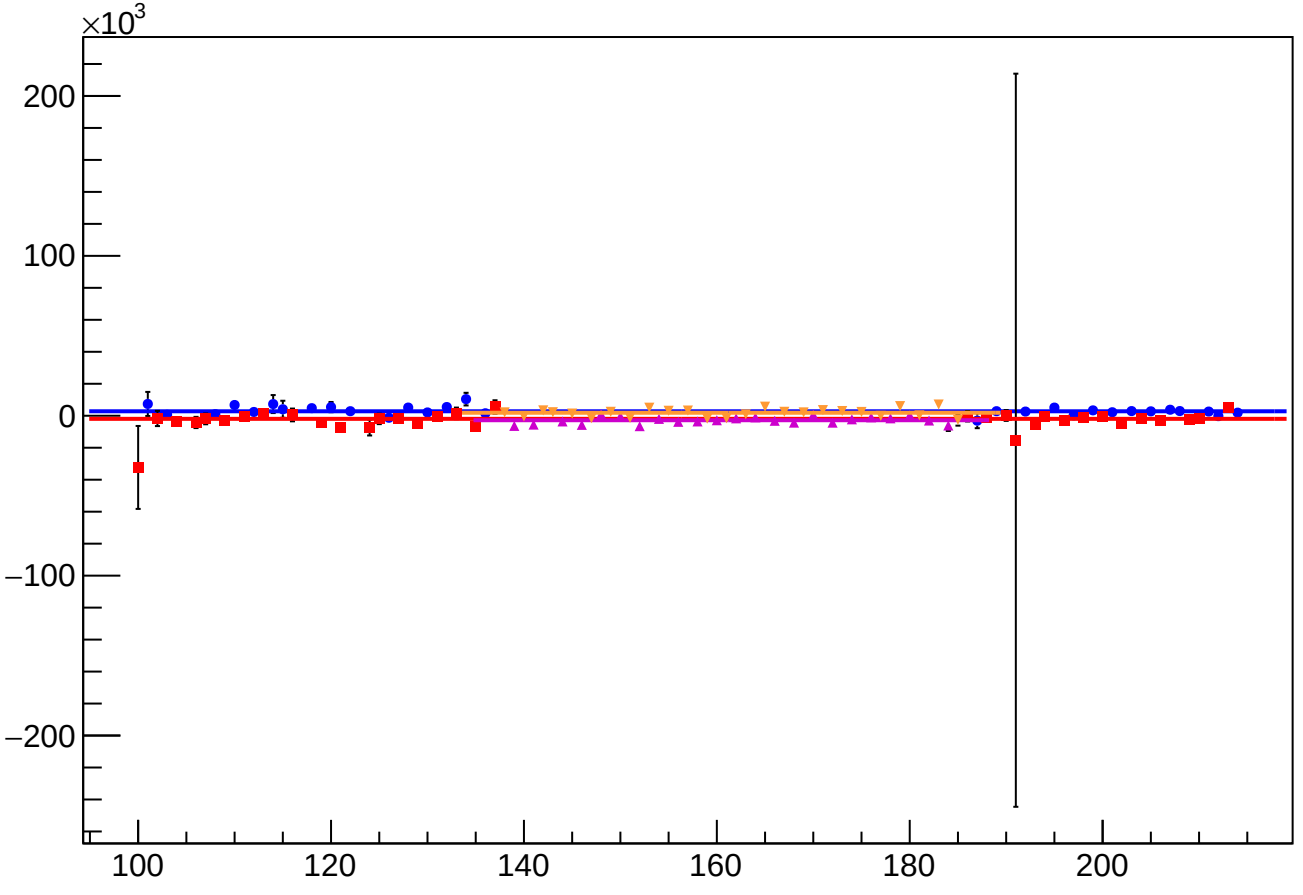
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5134.043+/-0.612 χ^2/NDF: 4201994.8/54

All: 4895.119+/-0.421 χ^2/NDF: 13254488.2/1

- sign 4681.268+/-0.579 χ^2/NDF: 8763534.9/56

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2796.595+/-468.376 χ^2/NDF: 18.9/29

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1936.220+/-464.154 χ^2/NDF: 34.4/33

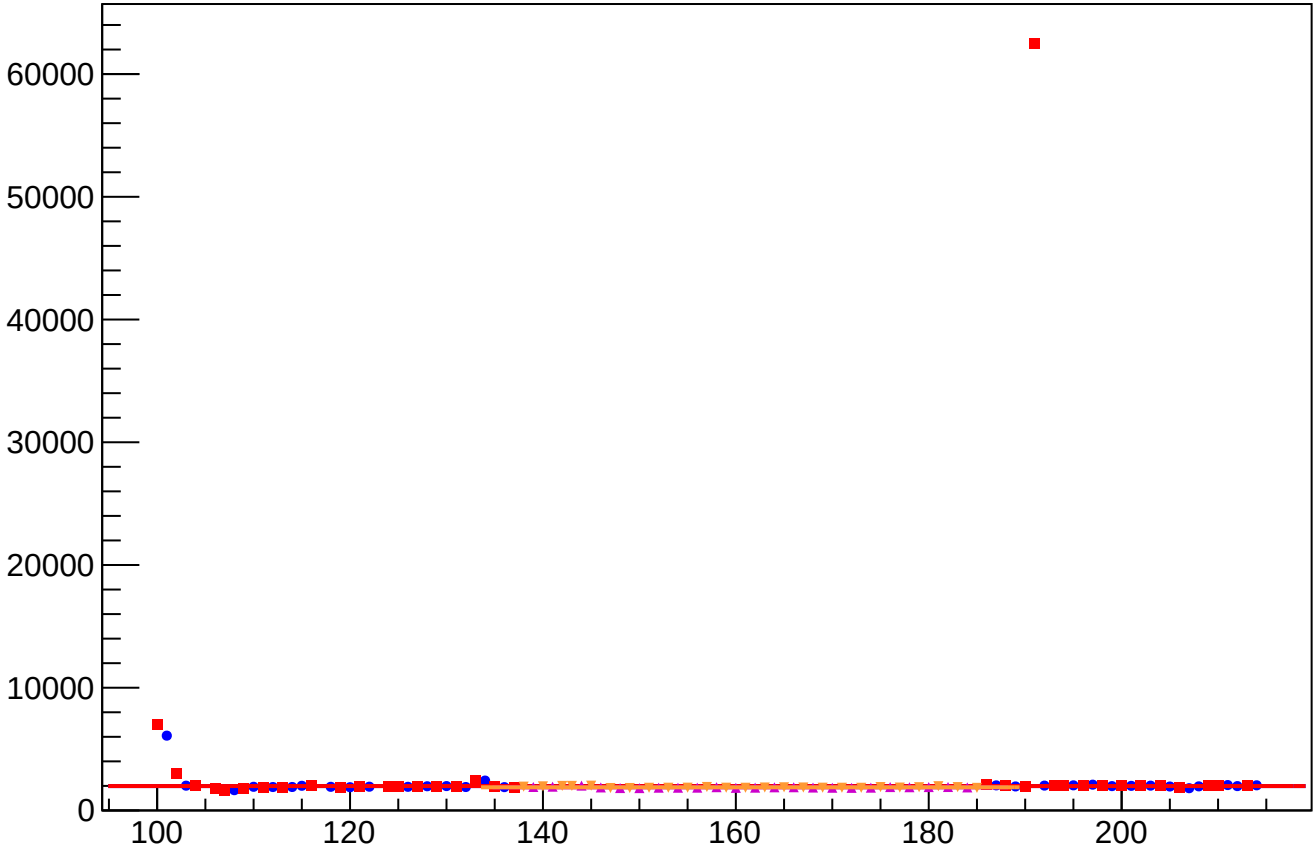
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2298.636+/-316.347 χ^2/NDF: 54.0/54

All: -26.414+/-224.634 χ^2/NDF: 224.6/111

- sign -2391.093+/-319.032 χ^2/NDF: 61.7/56

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1986.231+/-0.331 χ^2/NDF: 695043.9/29

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.990+/-0.328 χ^2/NDF: 436078.8/33

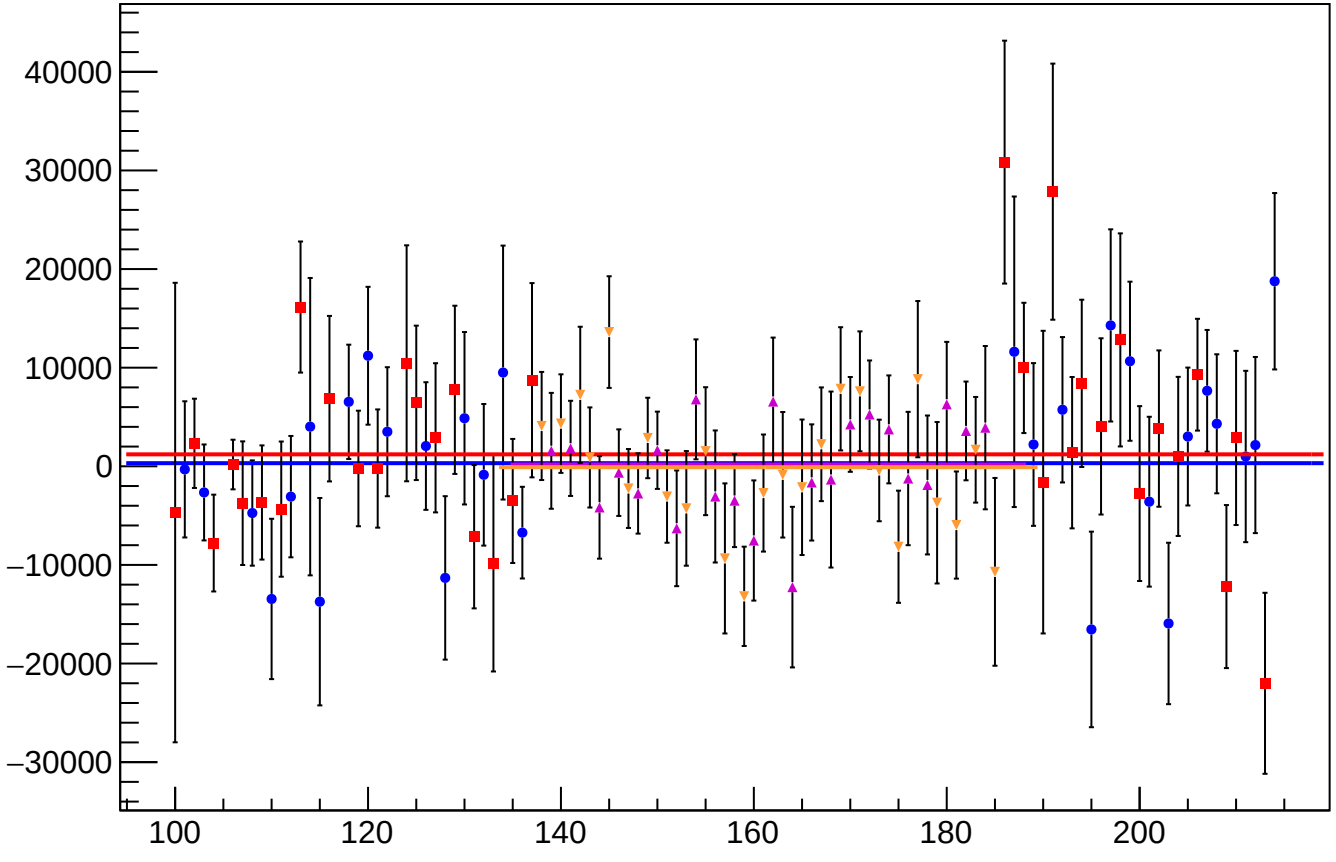
Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1932.564+/-0.224 χ^2/NDF: 775283.4/54

All: 1931.958+/-0.159 χ^2/NDF: 1286942.6/11

- sign 1931.341+/-0.226 χ^2/NDF: 511644.3/56

asym_atr_avg_eigen_dit_correction_mean vs Slug



Right In: 316.306+/-1340.046 χ^2/NDF: 33.3/29

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1212.655+/-1159.417 χ^2/NDF: 41.6/33

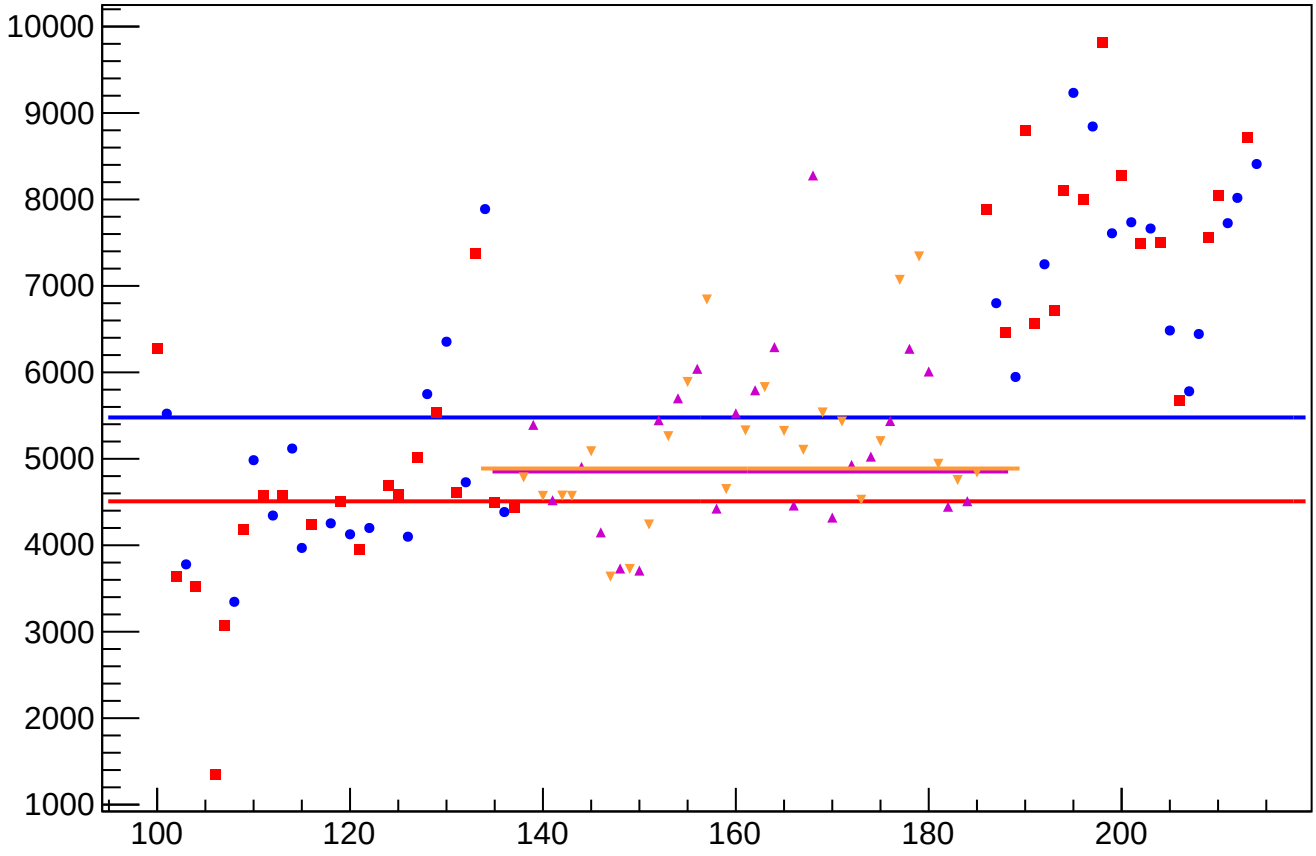
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign 78.311+/-865.303 χ^2/NDF: 61.4/54

All: 402.884+/-594.680 χ^2/NDF: 117.2/111

- sign 693.397+/-818.643 χ^2/NDF: 55.5/56

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5478.328+/-0.948 χ^2/NDF: 2912284.9/29

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4508.163+/-0.820 χ^2/NDF: 7496041.4/33

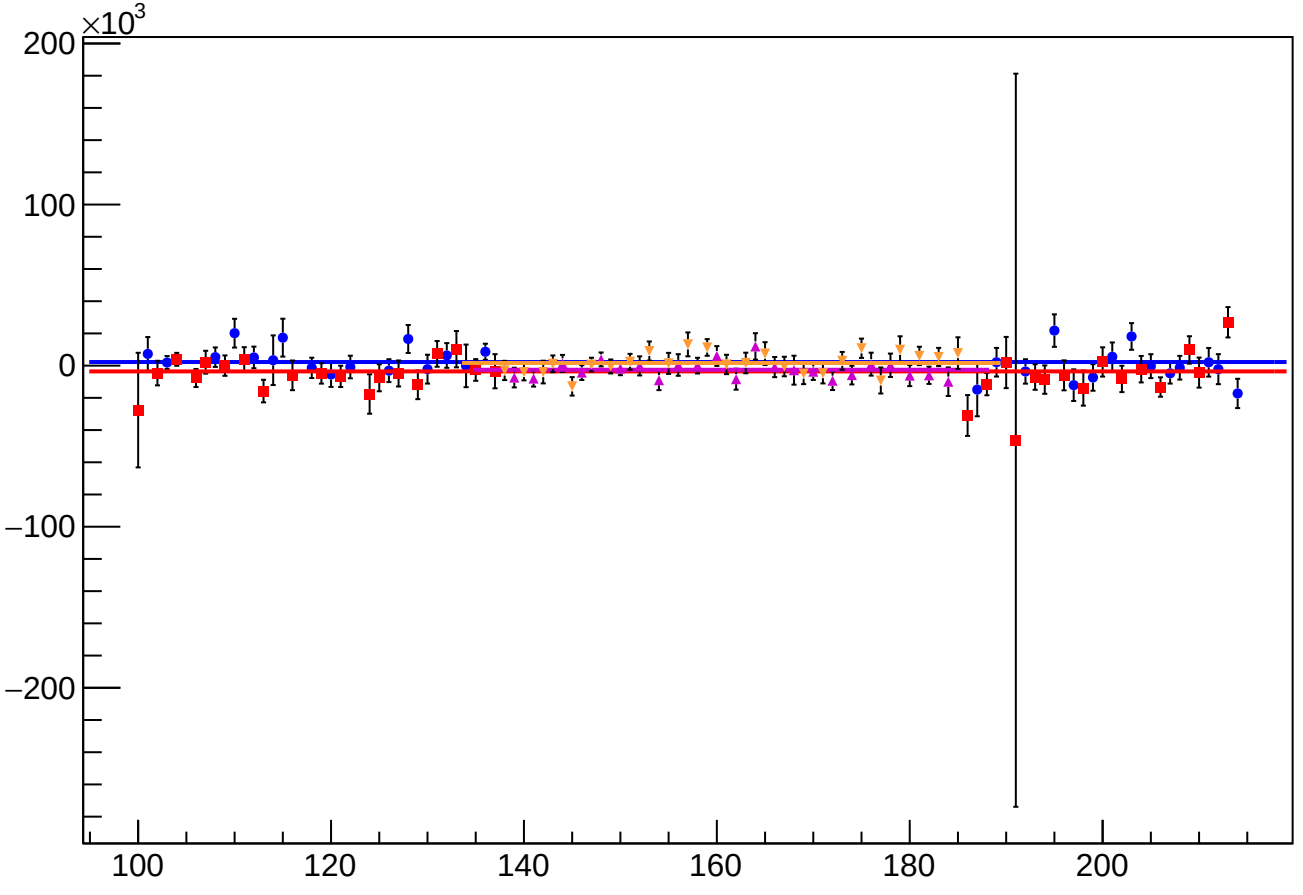
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5134.046+/-0.612 χ^2/NDF: 4202009.5/54

All: 4895.120+/-0.421 χ^2/NDF: 13254561.6/1

- sign 4681.267+/-0.579 χ^2/NDF: 8763588.4/56

asym_atr_avg_mean vs Slug



Right In: 2243.267+/-1402.677 χ^2/NDF: 32.5/29

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -3579.045+/-1356.071 χ^2/NDF: 39.6/33

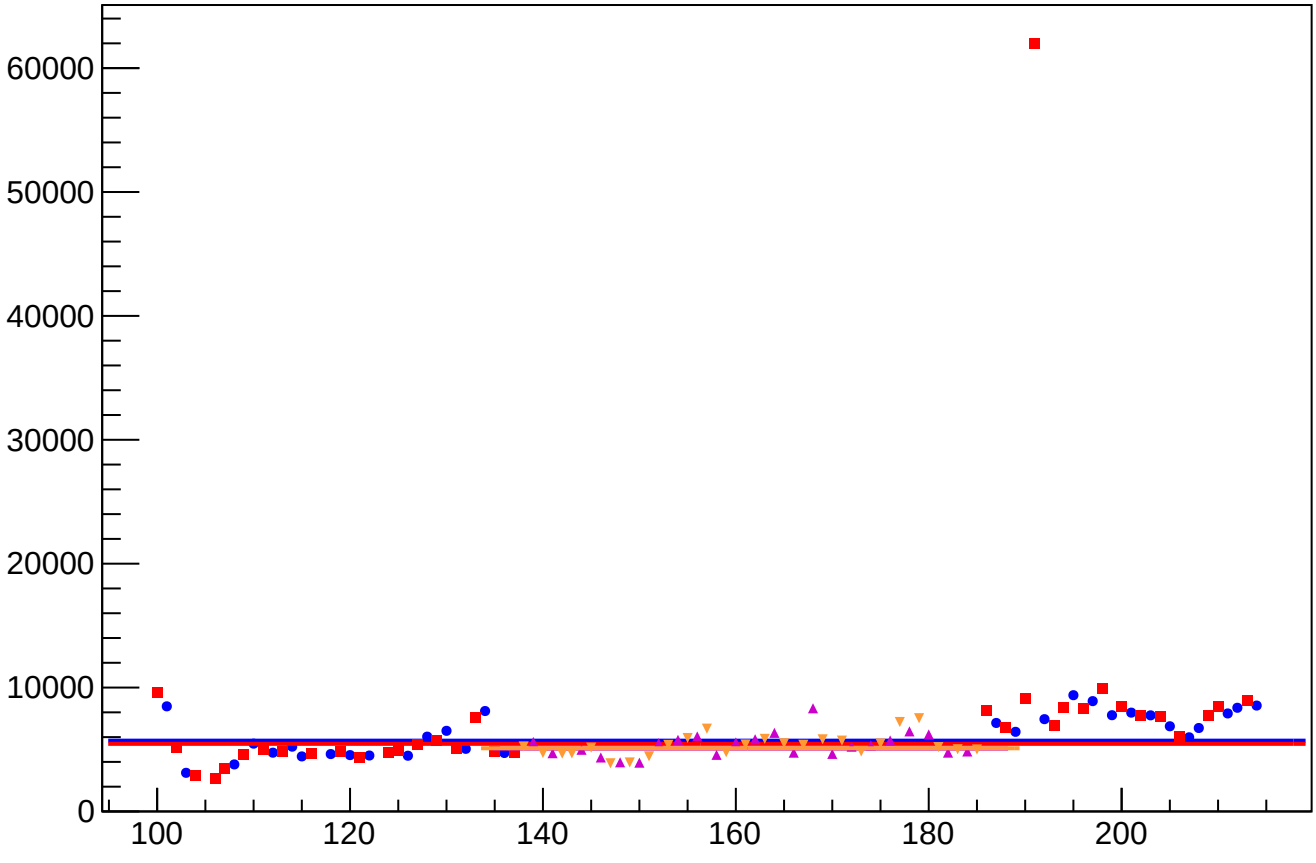
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 1898.236+/-902.372 χ^2/NDF: 58.5/54

All: -561.603+/-637.421 χ^2/NDF: 129.2/111

- sign -3011.405+/-900.529 χ^2/NDF: 55.9/56

asym_atr_avg_rms vs Slug



Right In: 5714.977+/-0.992 χ^2/NDF: 3196098.4/29

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5457.033+/-0.953 χ^2/NDF: 4260916.5/33

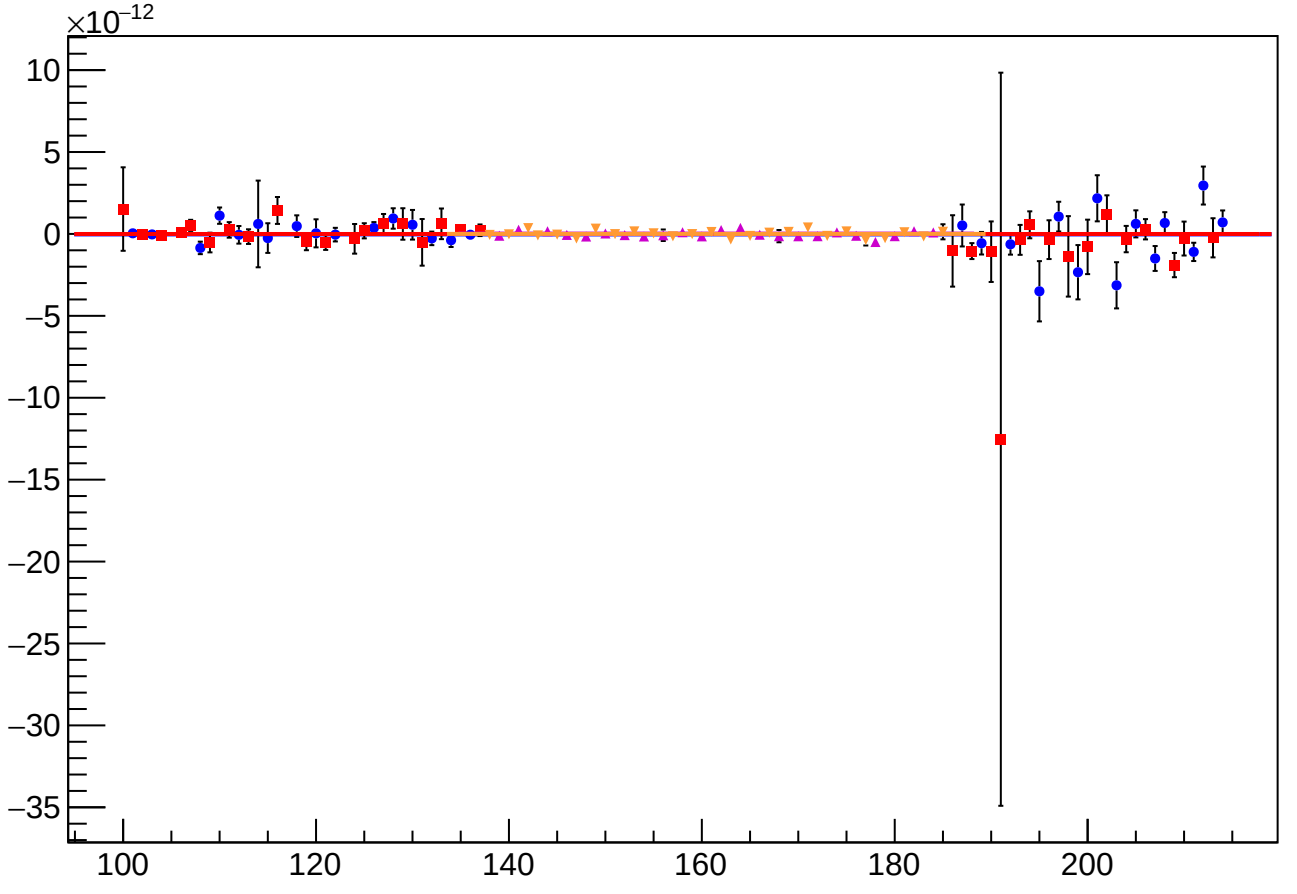
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5354.891+/-0.638 χ^2/NDF: 4330296.0/54

All: 5299.063+/-0.450 χ^2/NDF: 9688353.9/11

- sign 5243.744+/-0.635 χ^2/NDF: 5342817.1/56

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 48.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

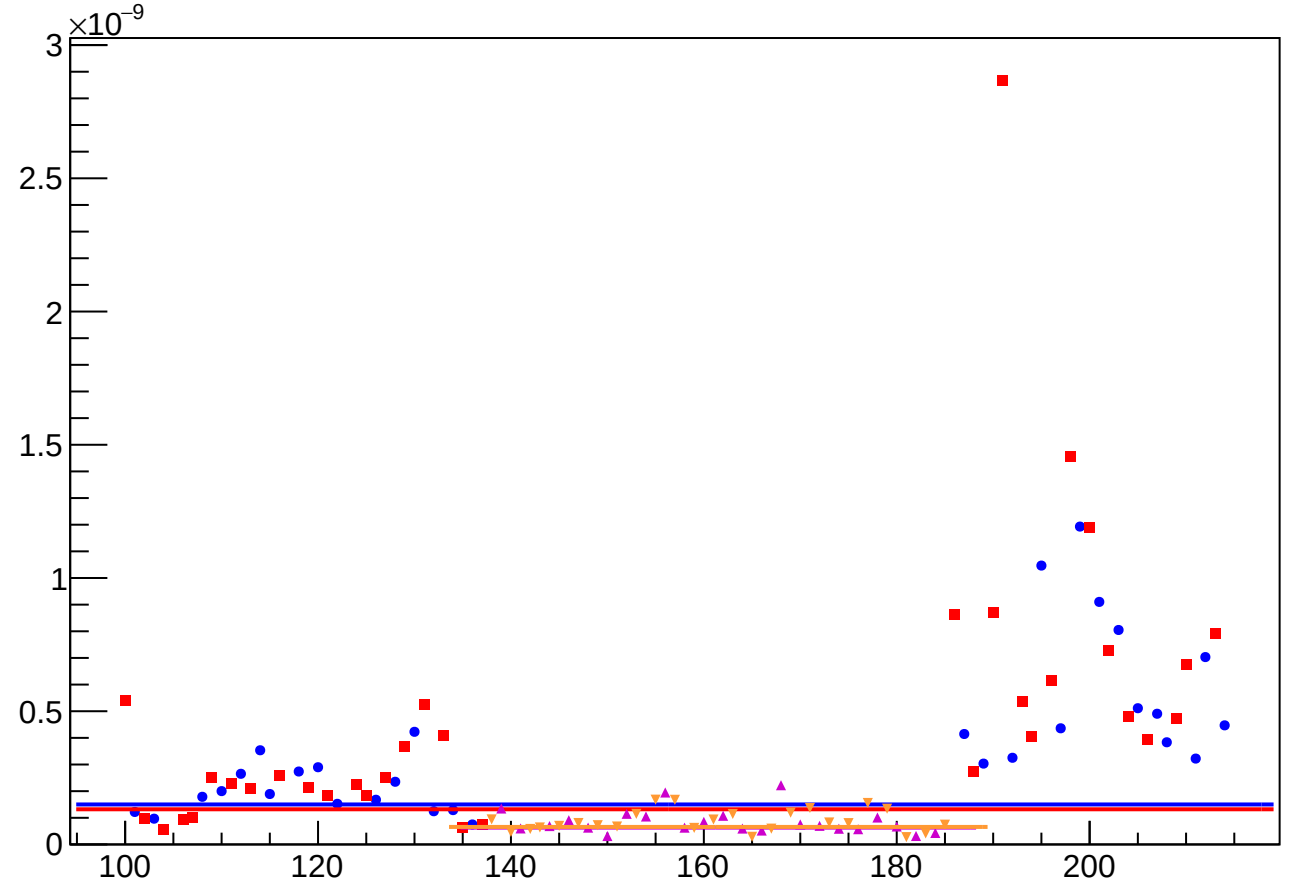
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/33

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.1/54

All: 0.000+/-0.000 χ^2/NDF: 145.1/111

- sign 0.000+/-0.000 χ^2/NDF: 62.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 6313387.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8162428.9/33

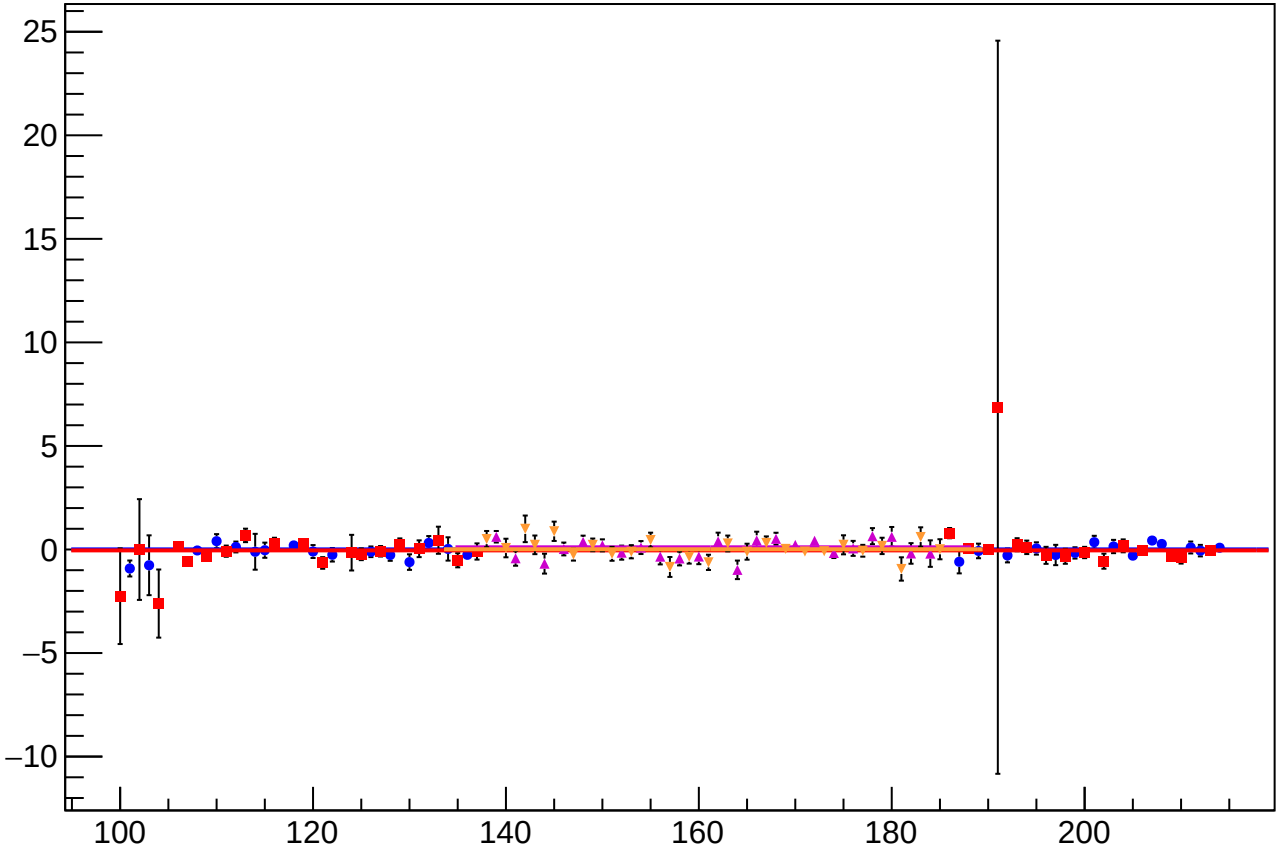
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11206262.8/54

All: 0.000+/-0.000 χ^2/NDF: 23281056.0/111

- sign 0.000+/-0.000 χ^2/NDF: 12048811.0/56

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.052 χ^2/NDF: 29.8/29

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.043+/-0.047 χ^2/NDF: 48.1/33

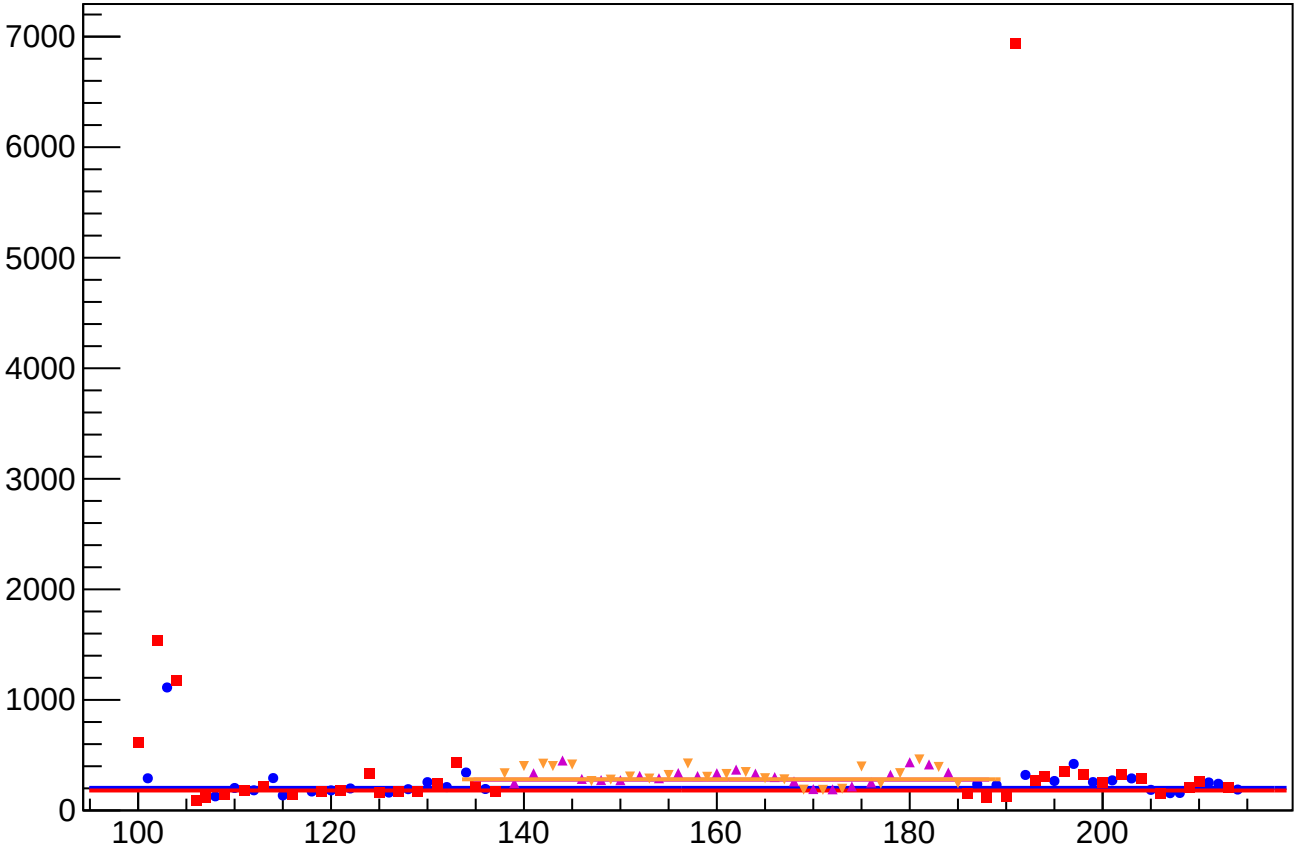
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.007+/-0.041 χ^2/NDF: 55.0/54

All: 0.006+/-0.028 χ^2/NDF: 137.8/111

- sign 0.005+/-0.039 χ^2/NDF: 82.7/56

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 204.211+/-0.037 χ^2/NDF: 2996107.8/29

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 180.740+/-0.033 χ^2/NDF: 5684015.6/33

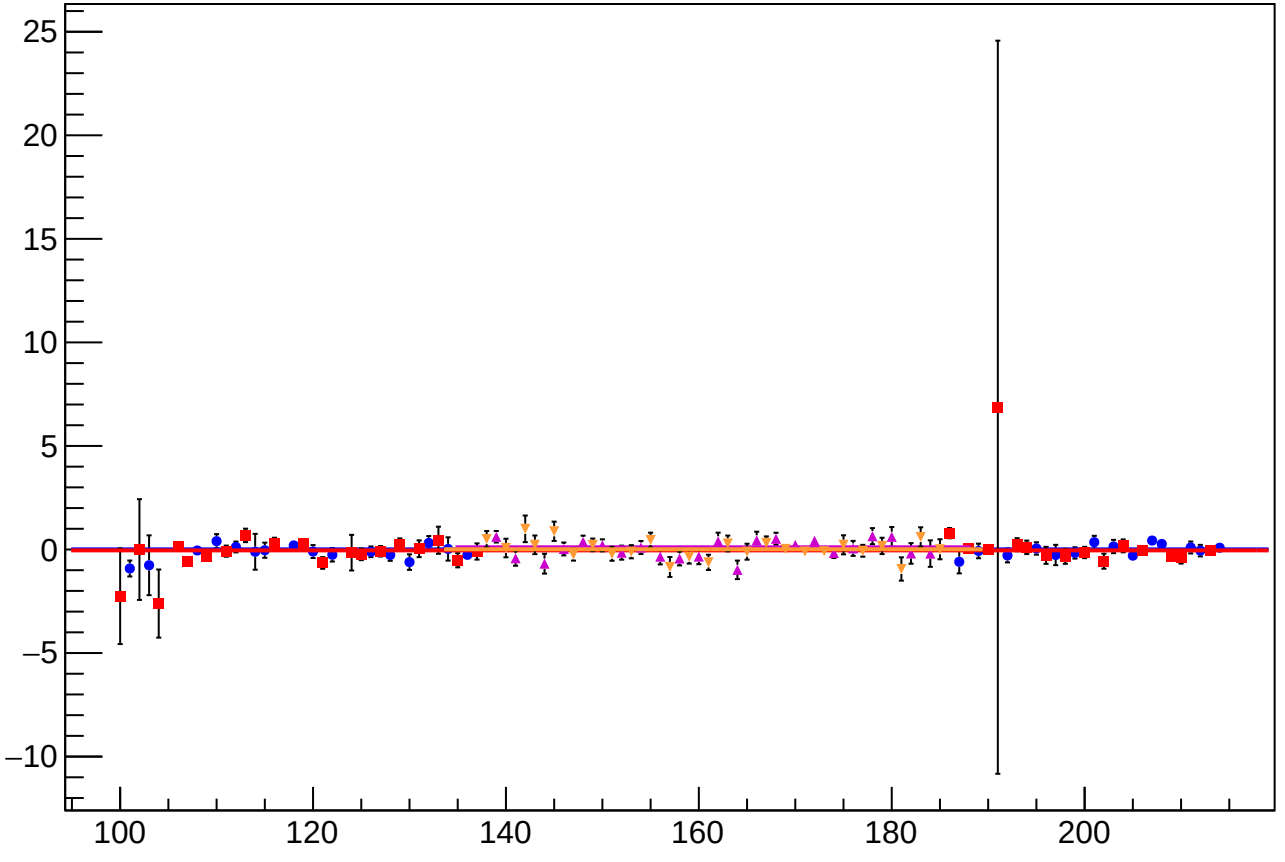
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 232.652+/-0.029 χ^2/NDF: 7165023.9/54

All: 221.855+/-0.020 χ^2/NDF: 17657028.0/11

- sign 212.209+/-0.028 χ^2/NDF: 10231858.4/56

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.052 χ^2/NDF: 29.8/29

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.043+/-0.047 χ^2/NDF: 48.1/33

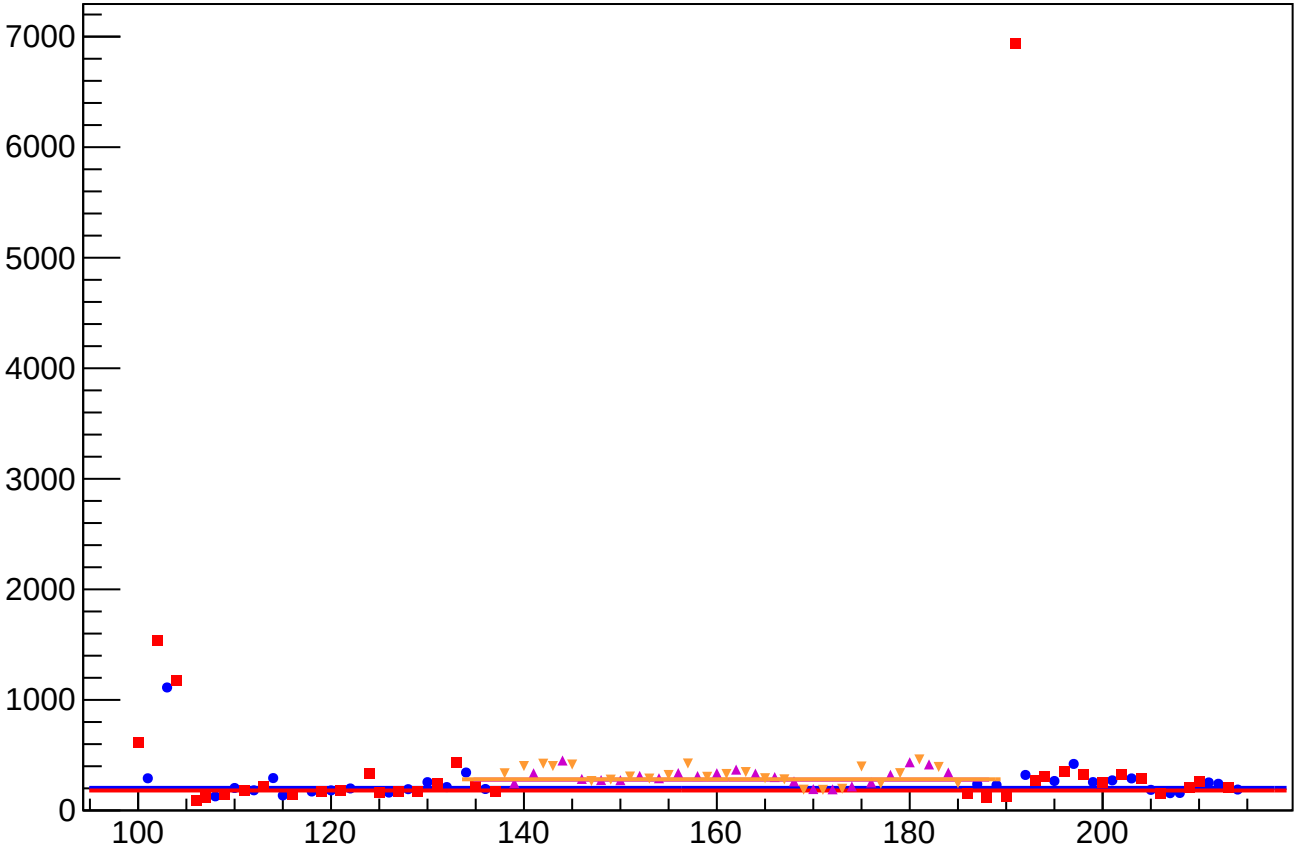
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.007+/-0.041 χ^2/NDF: 55.0/54

All: 0.006+/-0.028 χ^2/NDF: 137.8/111

- sign 0.005+/-0.039 χ^2/NDF: 82.7/56

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 204.211+/-0.037 χ^2/NDF: 2996107.8/29

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

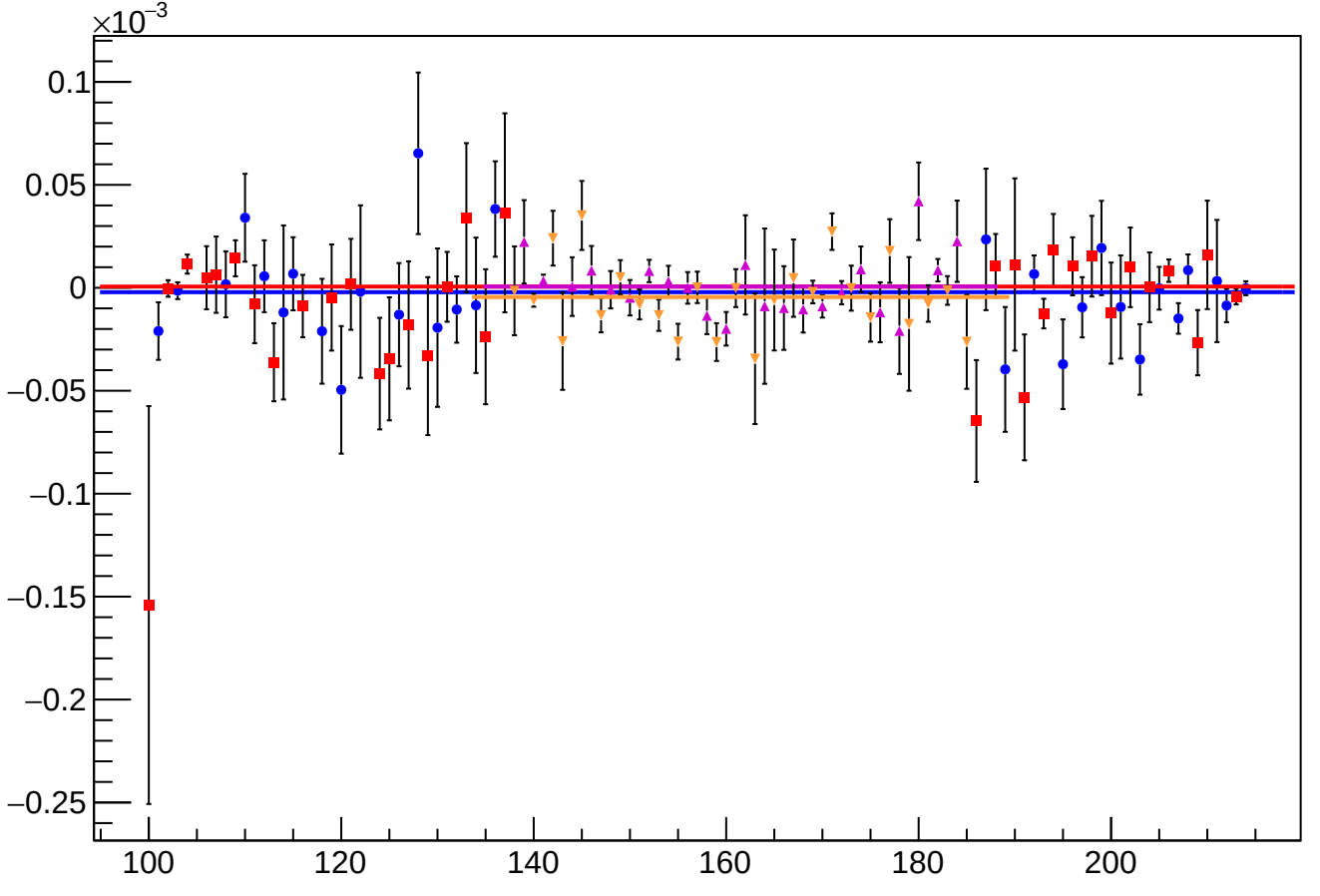
Right Out: 180.740+/-0.033 χ^2/NDF: 5684015.6/33

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 232.652+/-0.029 χ^2/NDF: 7165023.9/54

All: 221.855+/-0.020 χ^2/NDF: 17657028.0/11

- sign 212.209+/-0.028 χ^2/NDF: 10231858.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

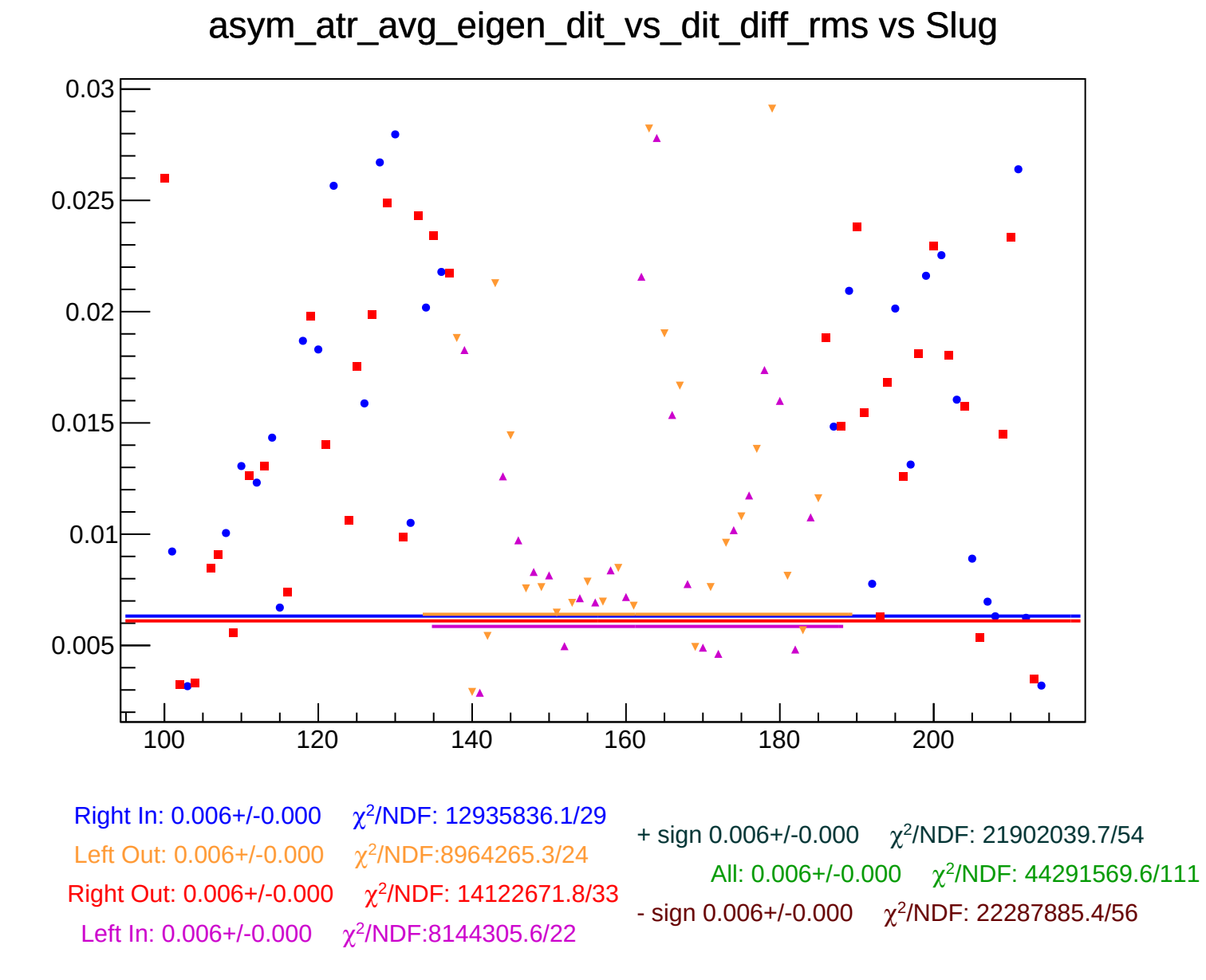
Right Out: 0.000+/-0.000 χ^2/NDF: 43.5/33

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

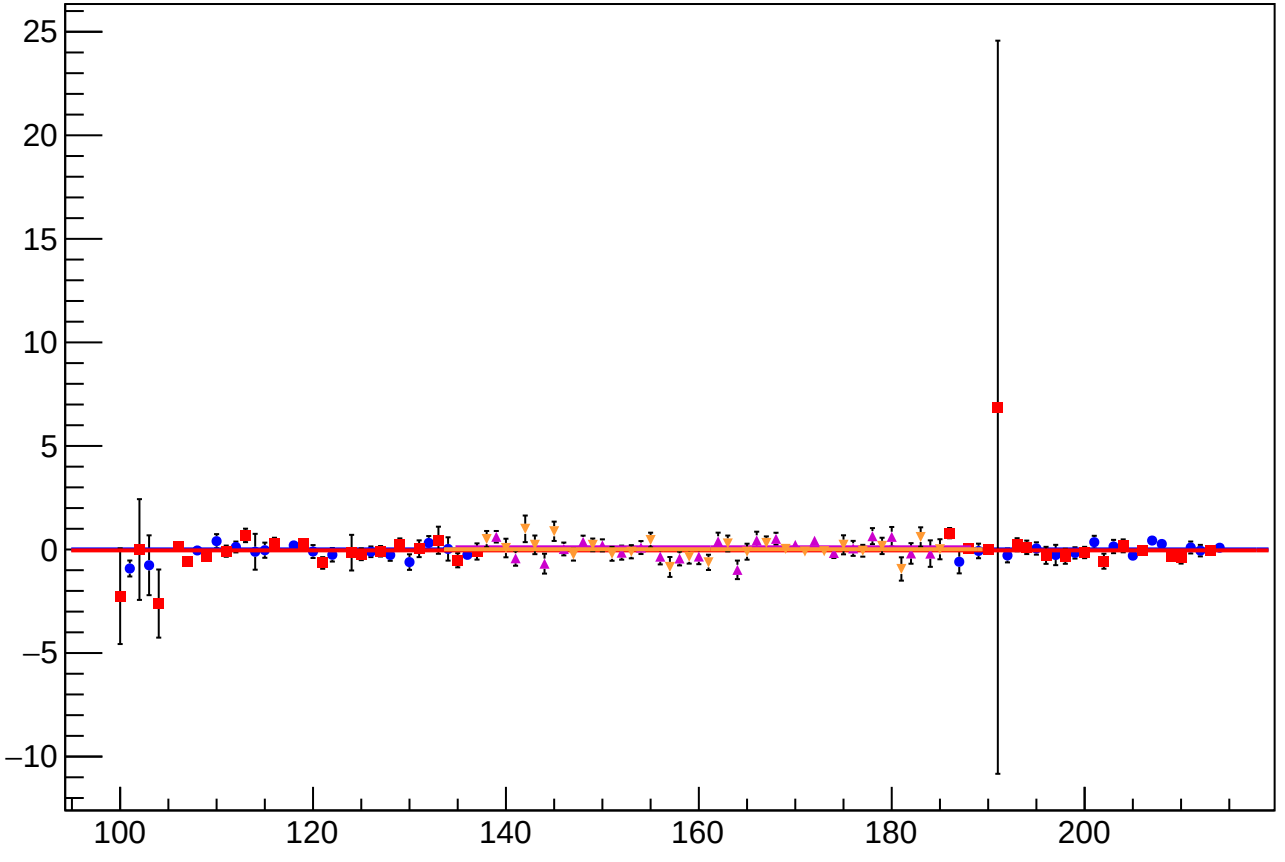
+ sign -0.000+/-0.000 χ^2/NDF: 78.5/54

All: -0.000+/-0.000 χ^2/NDF: 156.3/111

- sign 0.000+/-0.000 χ^2/NDF: 72.6/56


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.006+/-0.000 χ²/NDF: 12935836.1/29
Left Out: 0.006+/-0.000 χ²/NDF:8964265.3/24
Right Out: 0.006+/-0.000 χ²/NDF: 14122671.8/33
Left In: 0.006+/-0.000 χ²/NDF:8144305.6/22
+ sign 0.006+/-0.000 χ²/NDF: 21902039.7/54
All: 0.006+/-0.000 χ²/NDF: 44291569.6/111
- sign 0.006+/-0.000 χ²/NDF: 22287885.4/56

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.052 χ^2/NDF: 29.8/29

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.043+/-0.047 χ^2/NDF: 48.1/33

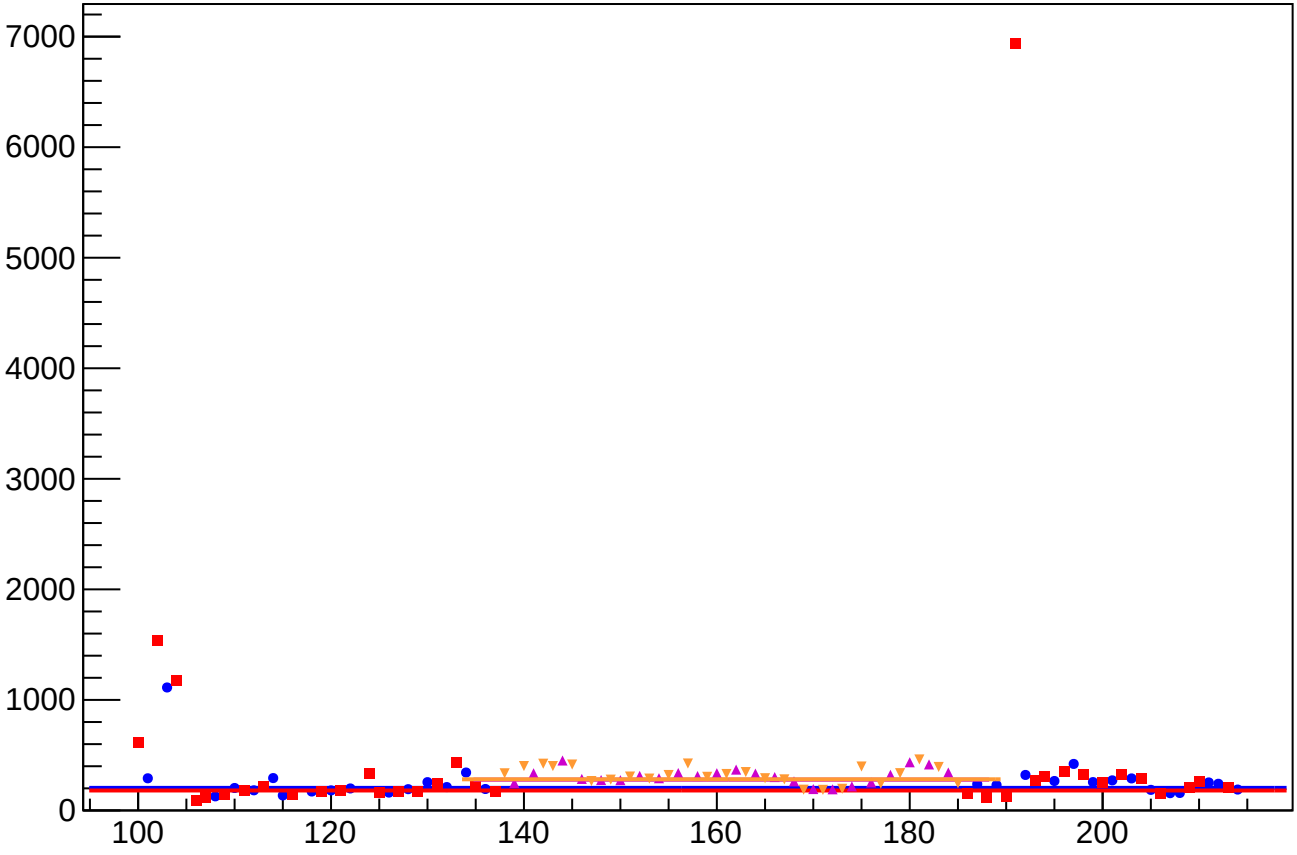
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.007+/-0.041 χ^2/NDF: 55.0/54

All: 0.006+/-0.028 χ^2/NDF: 137.8/111

- sign 0.005+/-0.039 χ^2/NDF: 82.7/56

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 204.210+/-0.037 χ^2/NDF: 2996135.2/29

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 180.737+/-0.033 χ^2/NDF: 5684166.8/33

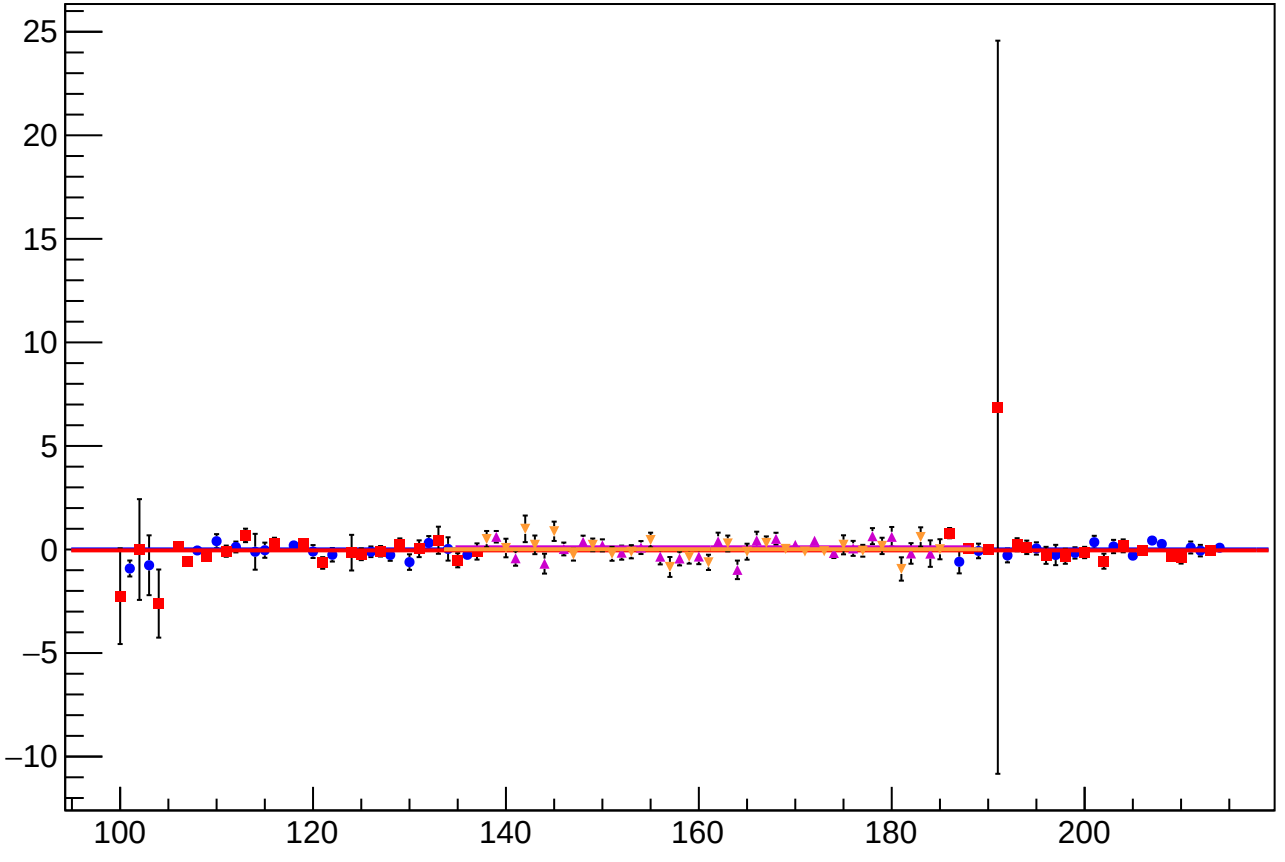
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 232.652+/-0.029 χ^2/NDF: 7165226.8/54

All: 221.854+/-0.020 χ^2/NDF: 17657767.1/11

- sign 212.207+/-0.028 χ^2/NDF: 10232335.9/56

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.052 χ^2/NDF: 29.8/29

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.043+/-0.047 χ^2/NDF: 48.1/33

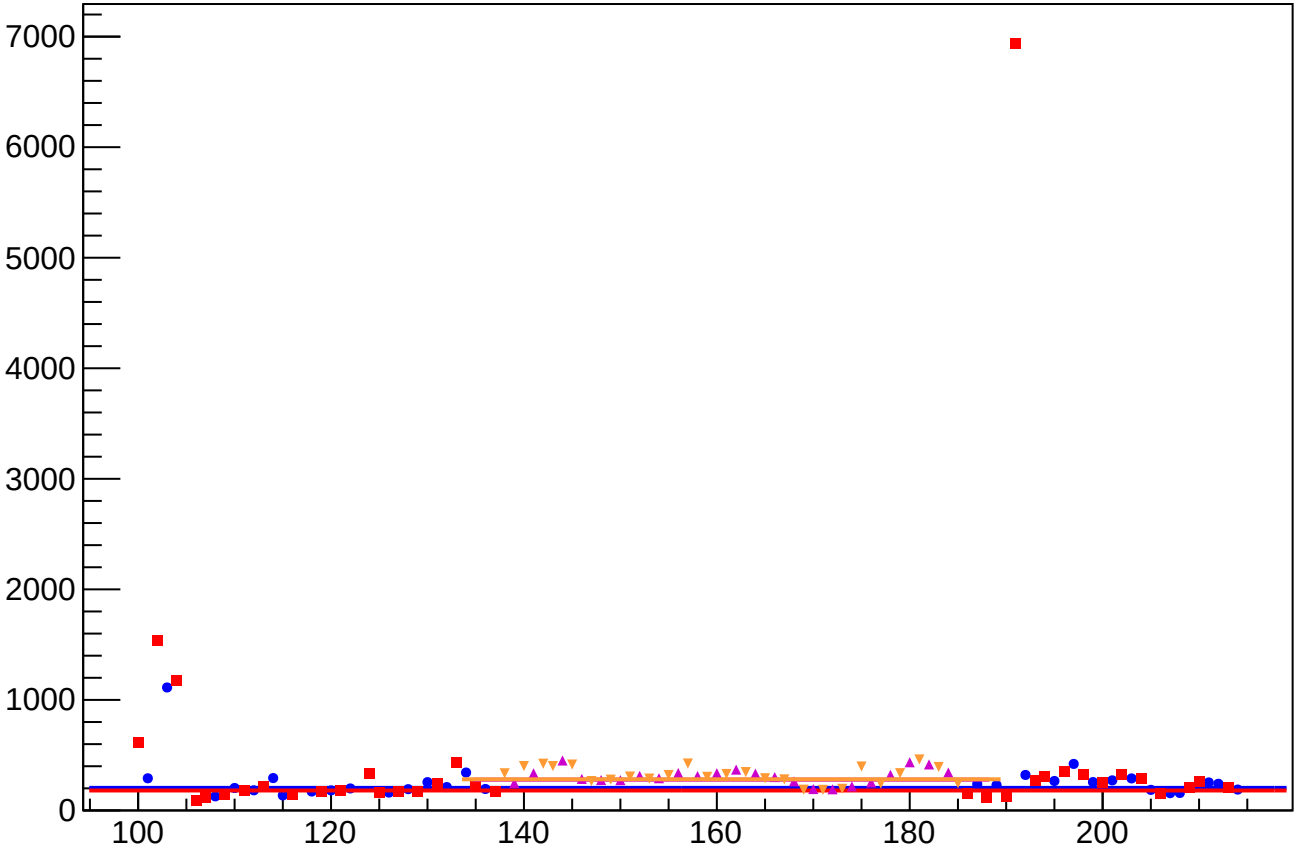
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign 0.007+/-0.041 χ^2/NDF: 55.0/54

All: 0.006+/-0.028 χ^2/NDF: 137.8/111

- sign 0.005+/-0.039 χ^2/NDF: 82.7/56

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 204.210+/-0.037 χ^2/NDF: 2996135.2/29

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 180.737+/-0.033 χ^2/NDF: 5684166.8/33

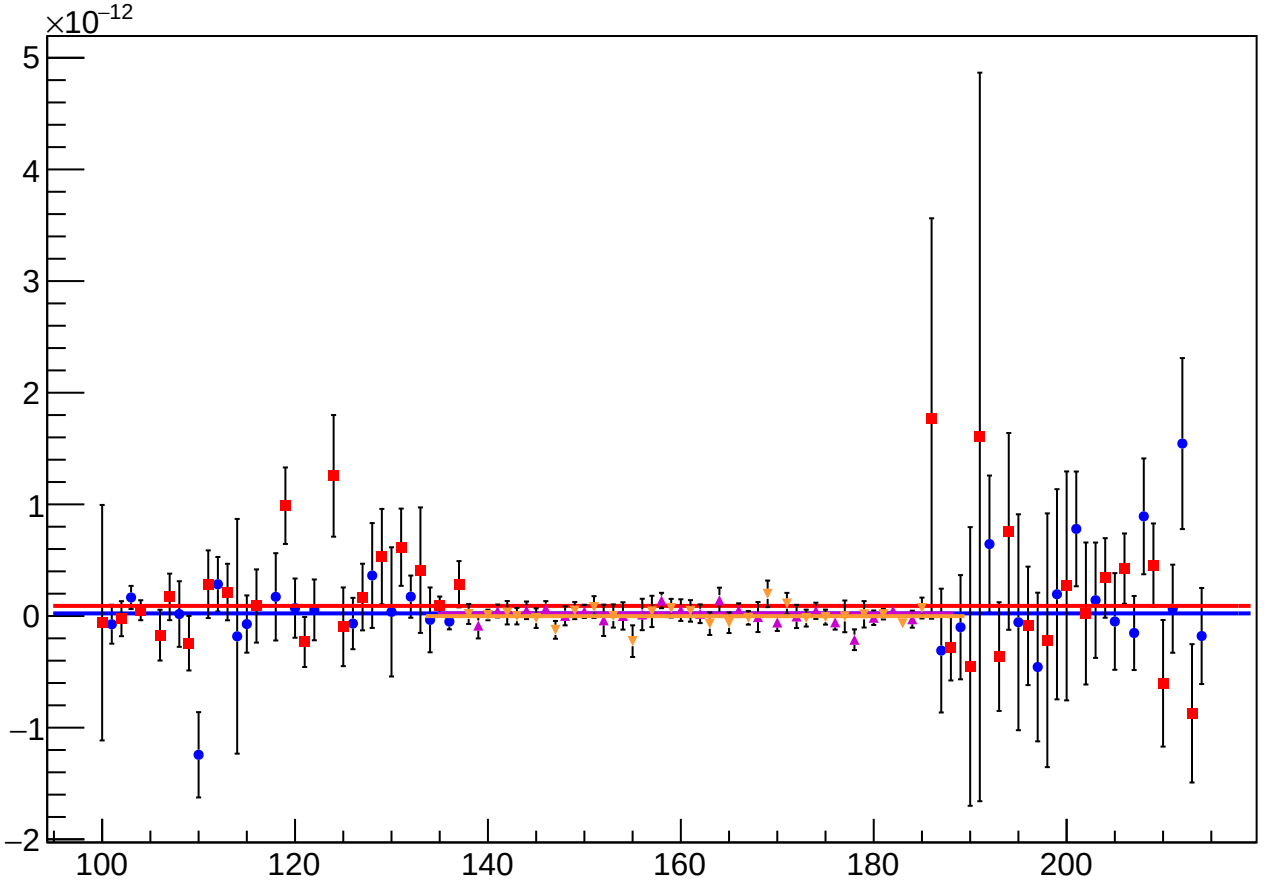
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 232.652+/-0.029 χ^2/NDF: 7165226.8/54

All: 221.854+/-0.020 χ^2/NDF: 17657767.1/11

- sign 212.207+/-0.028 χ^2/NDF: 10232335.9/56

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/33

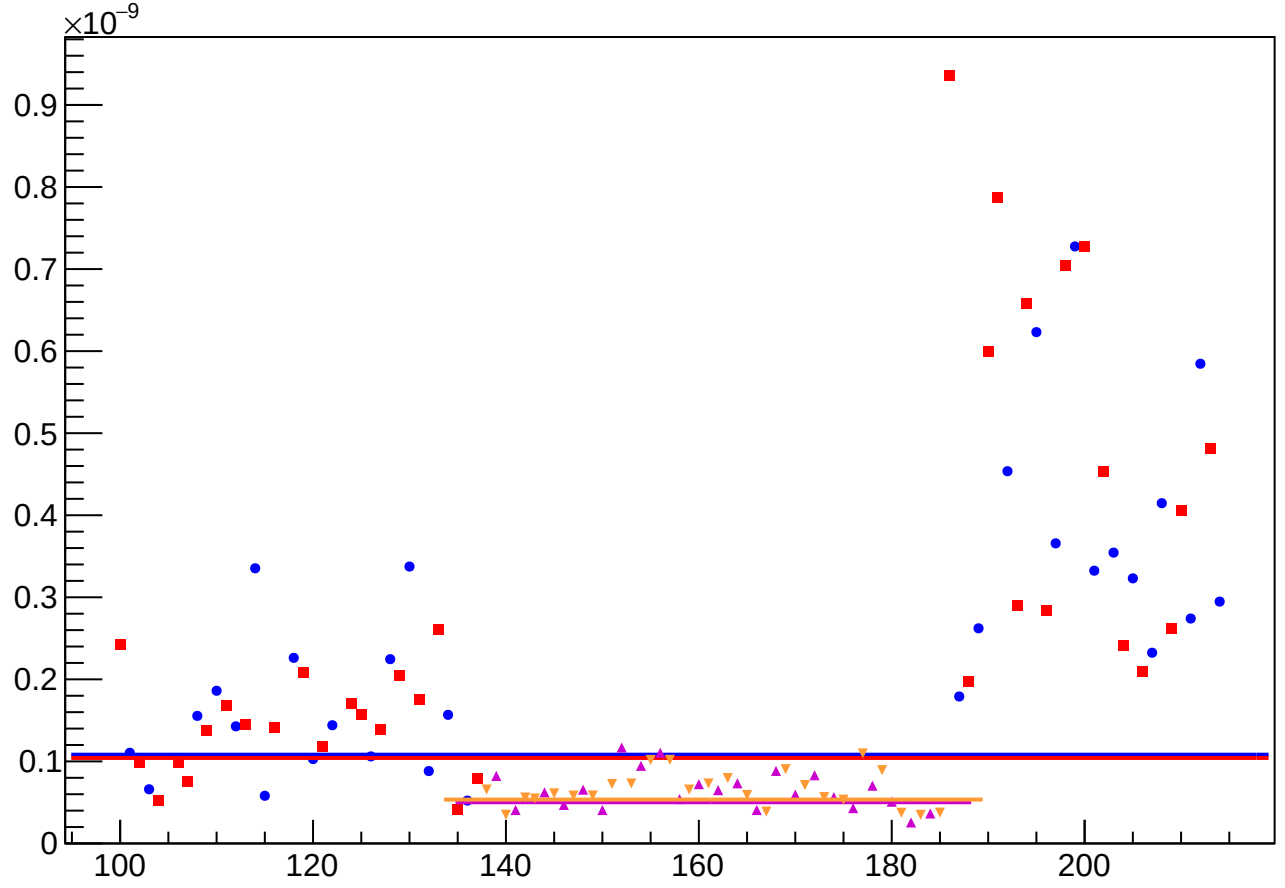
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/54

All: 0.000+/-0.000 χ^2/NDF: 99.6/111

- sign 0.000+/-0.000 χ^2/NDF: 53.4/56

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9110837.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9186508.1/33

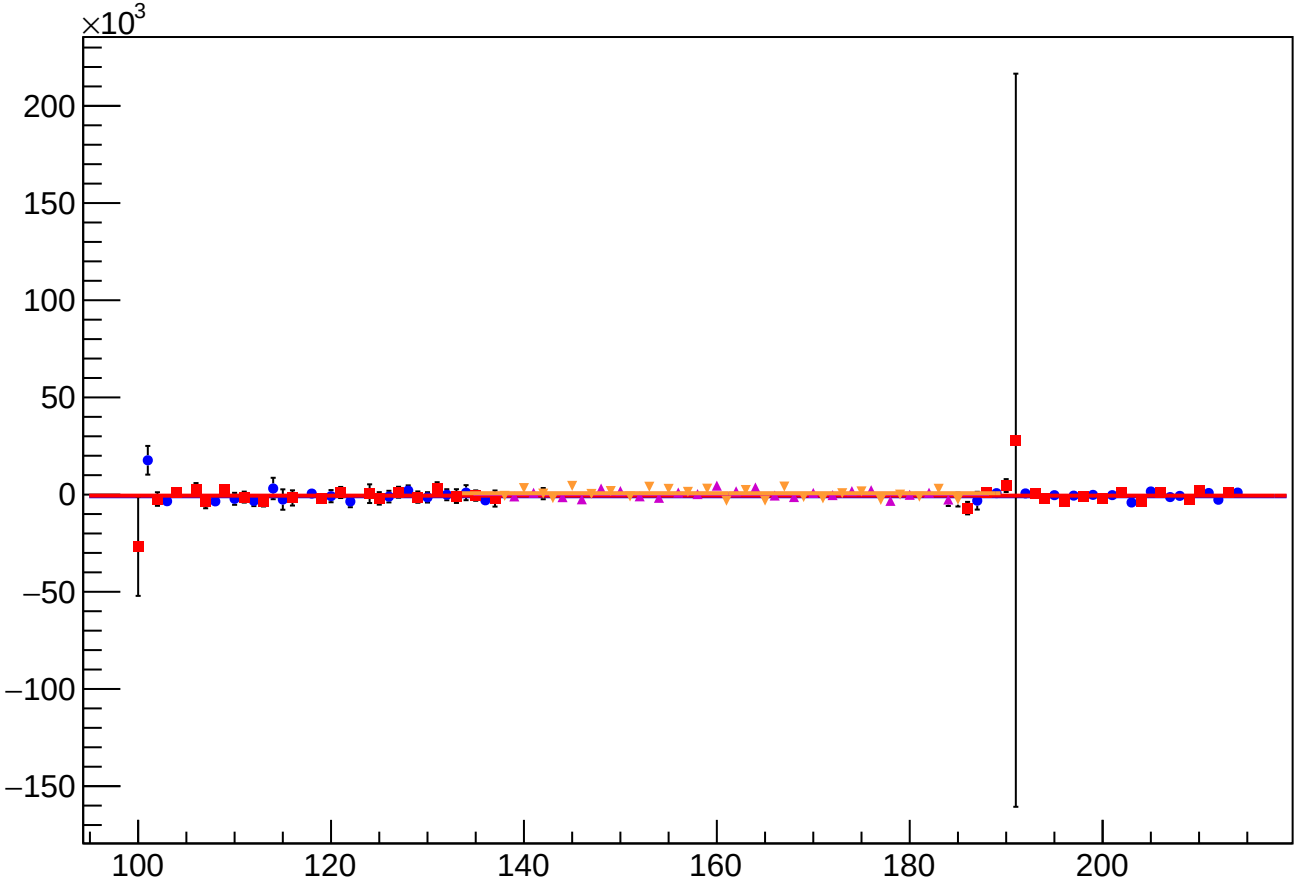
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14728977.9/54

All: 0.000+/-0.000 χ^2/NDF: 30202017.0/111

- sign 0.000+/-0.000 χ^2/NDF: 15421180.3/56

reg_asym_atr_dd_mean vs Slug



Right In: -856.255+/-454.074 χ^2/NDF: 21.6/29

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -530.889+/-448.748 χ^2/NDF: 26.6/33

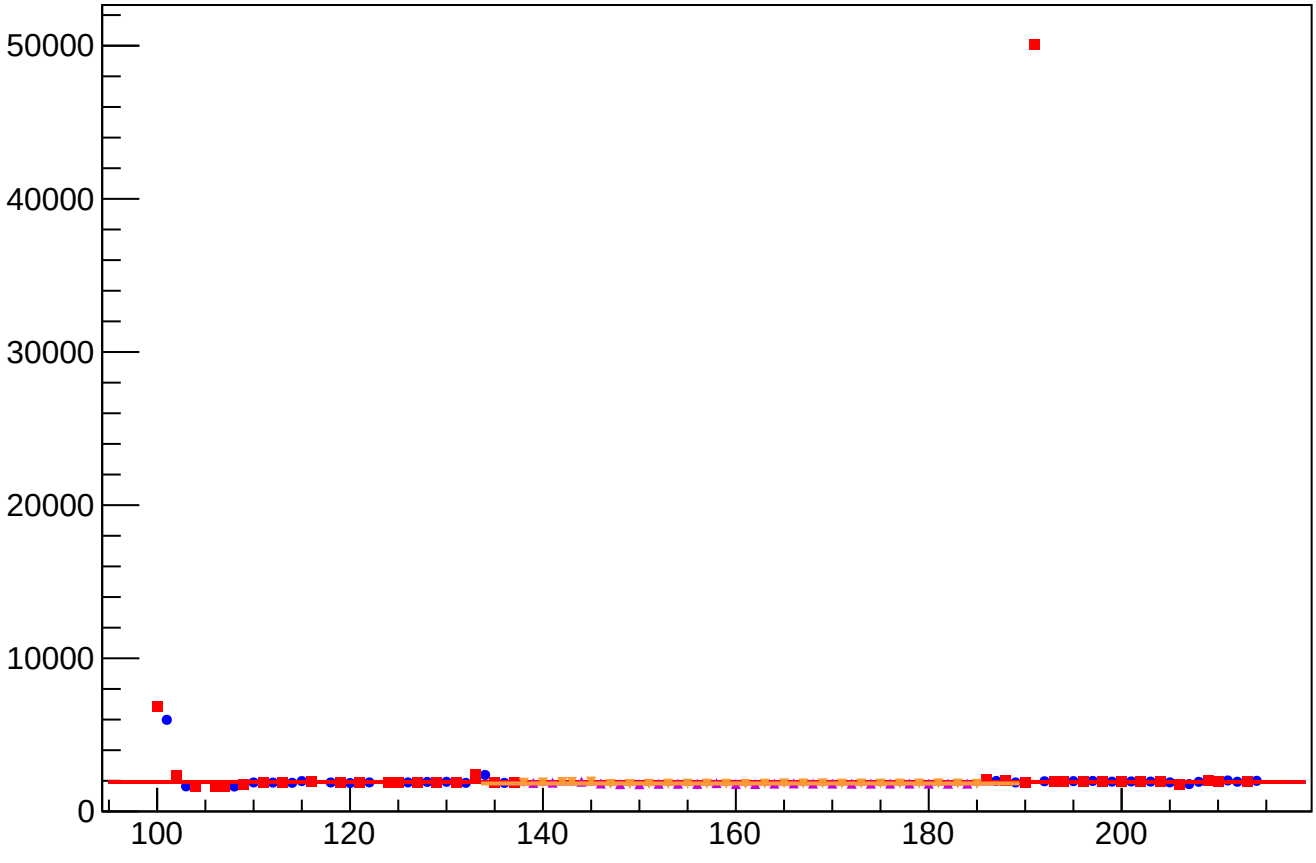
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

\+ sign -5.885+/-306.488 χ^2/NDF: 60.0/54

All: -22.719+/-217.616 χ^2/NDF: 109.6/111

\- sign -39.834+/-309.039 χ^2/NDF: 49.6/56

reg_asym_atr_dd_rms vs Slug



Right In: 1925.149+/-0.321 χ^2/NDF: 723576.5/29

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.336+/-0.317 χ^2/NDF: 392943.9/33

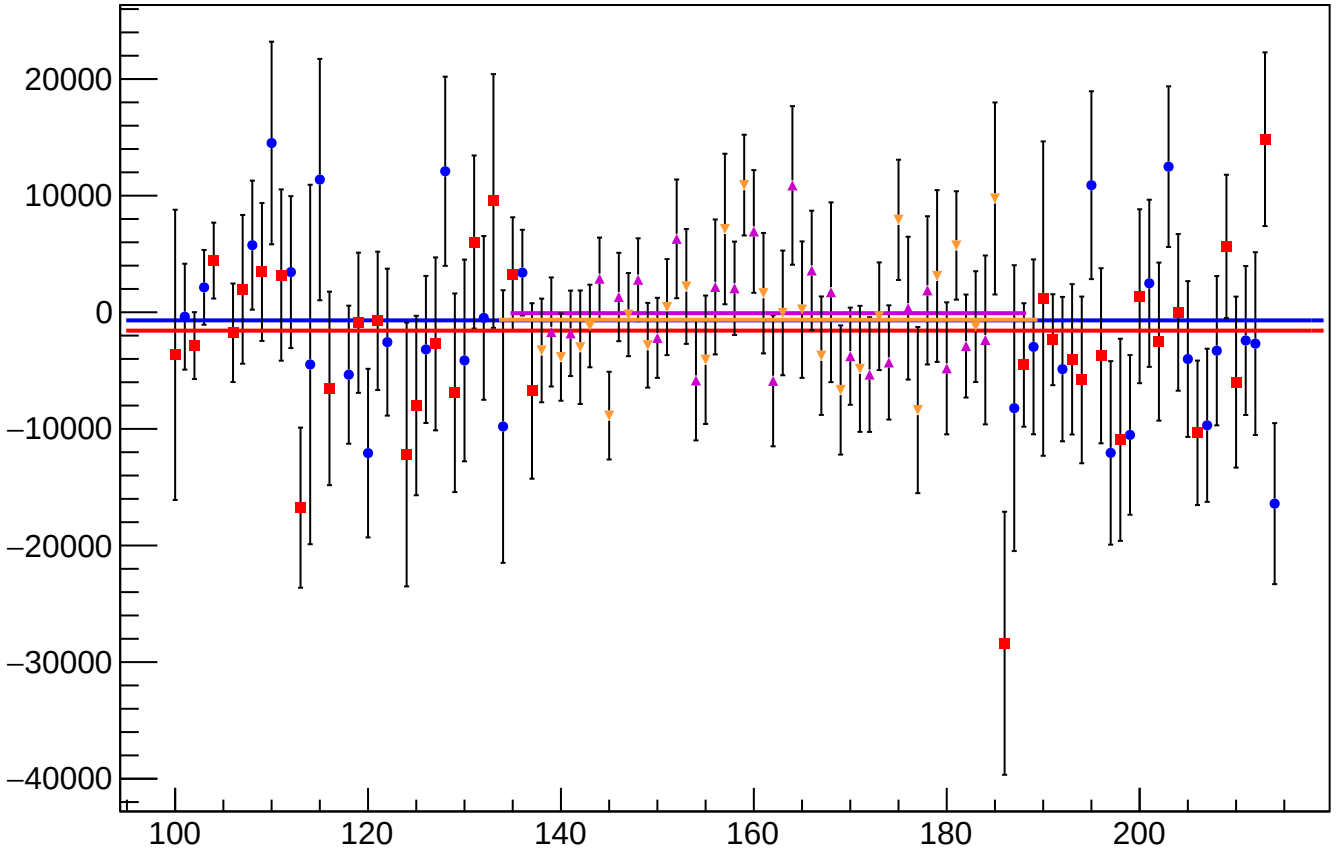
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1872.392+/-0.217 χ^2/NDF: 792496.8/54

All: 1872.330+/-0.154 χ^2/NDF: 1250228.6/11

- sign 1872.266+/-0.218 χ^2/NDF: 457731.6/56

asym_atr_dd_reg_correction_mean vs Slug



Right In: -693.563+/-1168.224 χ^2/NDF: 33.5/29

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1573.249+/-1039.312 χ^2/NDF: 32.5/33

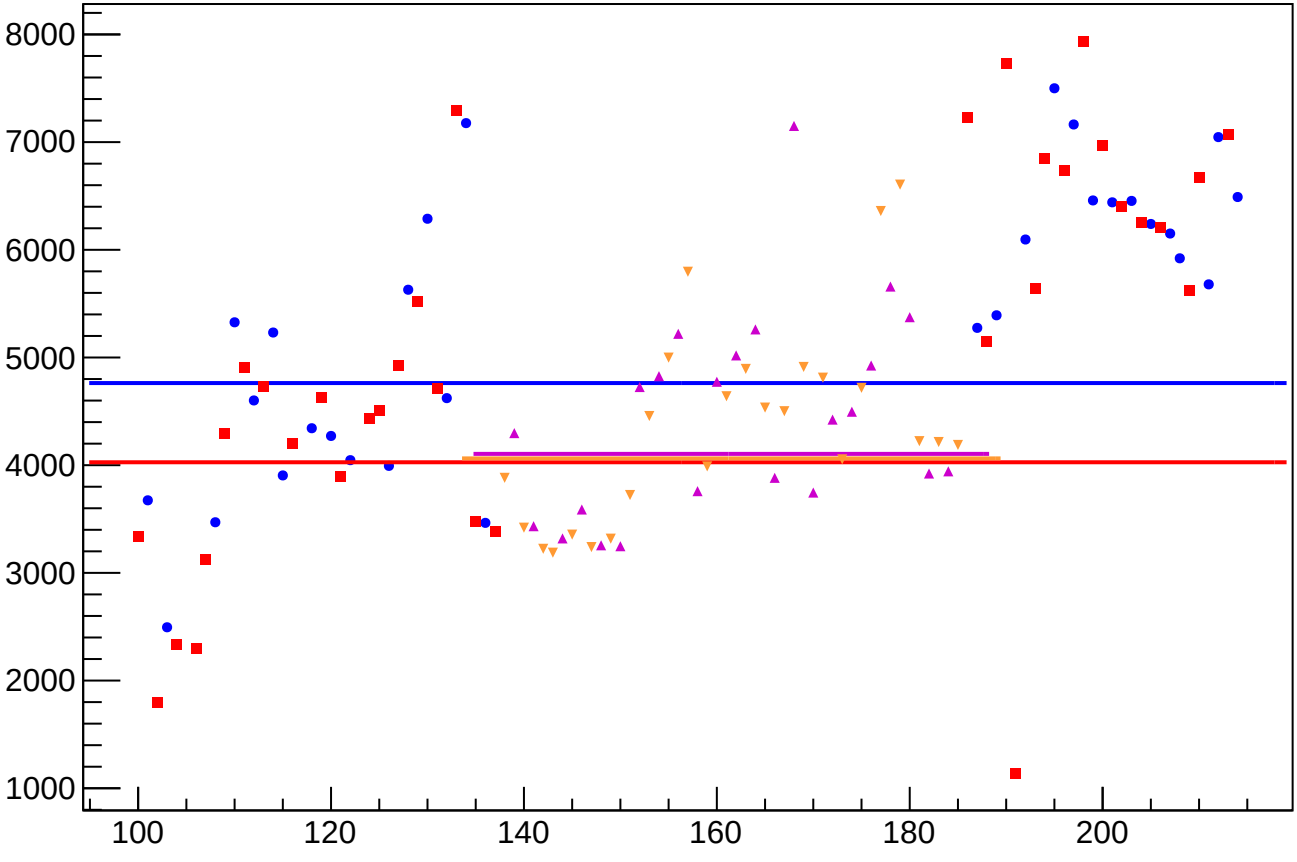
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -659.850+/-735.589 χ^2/NDF: 59.4/54

All: -722.174+/-512.006 χ^2/NDF: 108.5/111

- sign -780.745+/-713.105 χ^2/NDF: 49.1/56

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4762.657+/-0.826 χ^2/NDF: 3214177.1/29

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4027.129+/-0.735 χ^2/NDF: 6902819.5/33

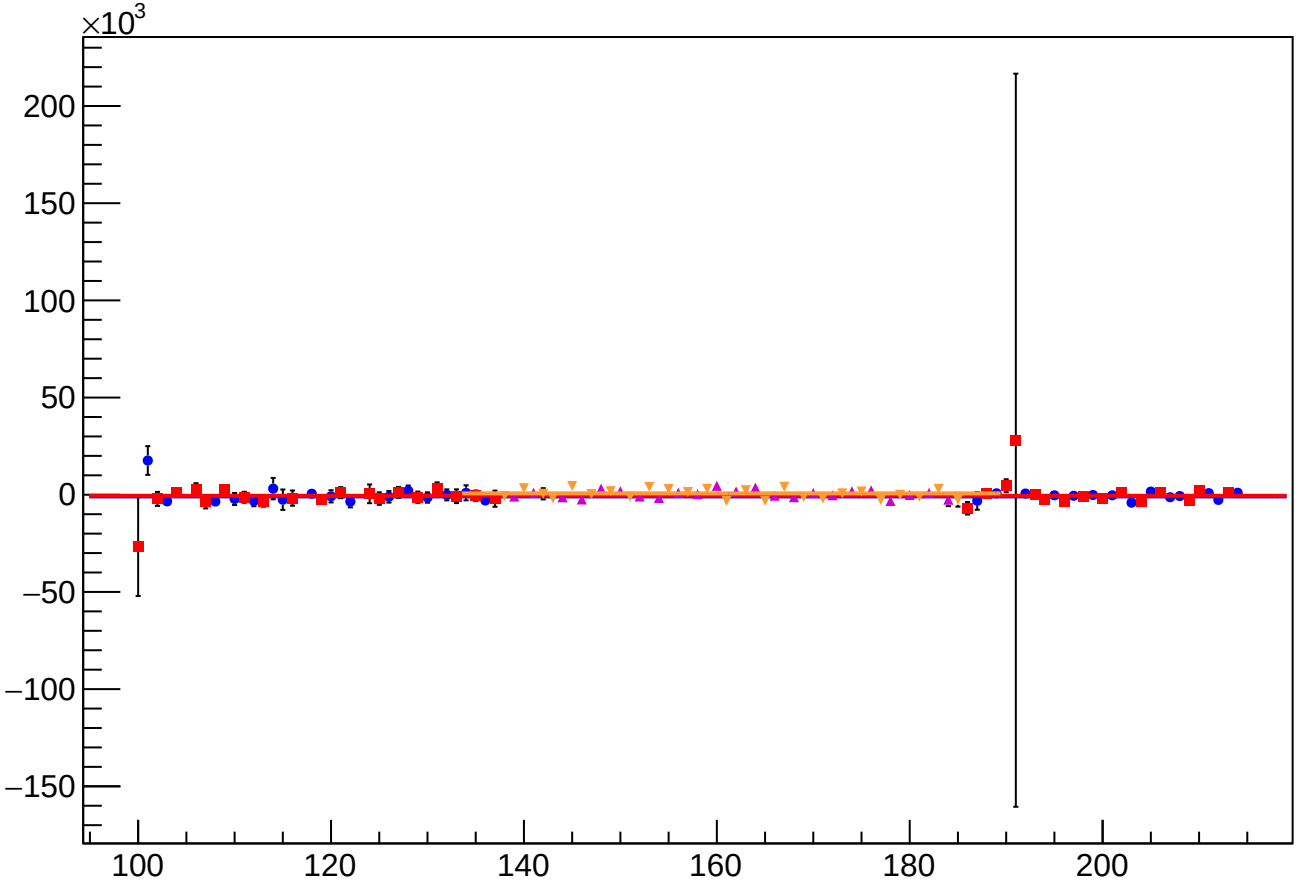
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4340.463+/-0.520 χ^2/NDF: 5052032.7/54

All: 4200.195+/-0.362 χ^2/NDF: 13461366.5/1

- sign 4068.371+/-0.504 χ^2/NDF: 8268263.3/56

cor_asym_atr_dd_mean vs Slug



Right In: -856.481+/-454.074 χ^2/NDF: 21.6/29

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -526.793+/-448.995 χ^2/NDF: 26.6/33

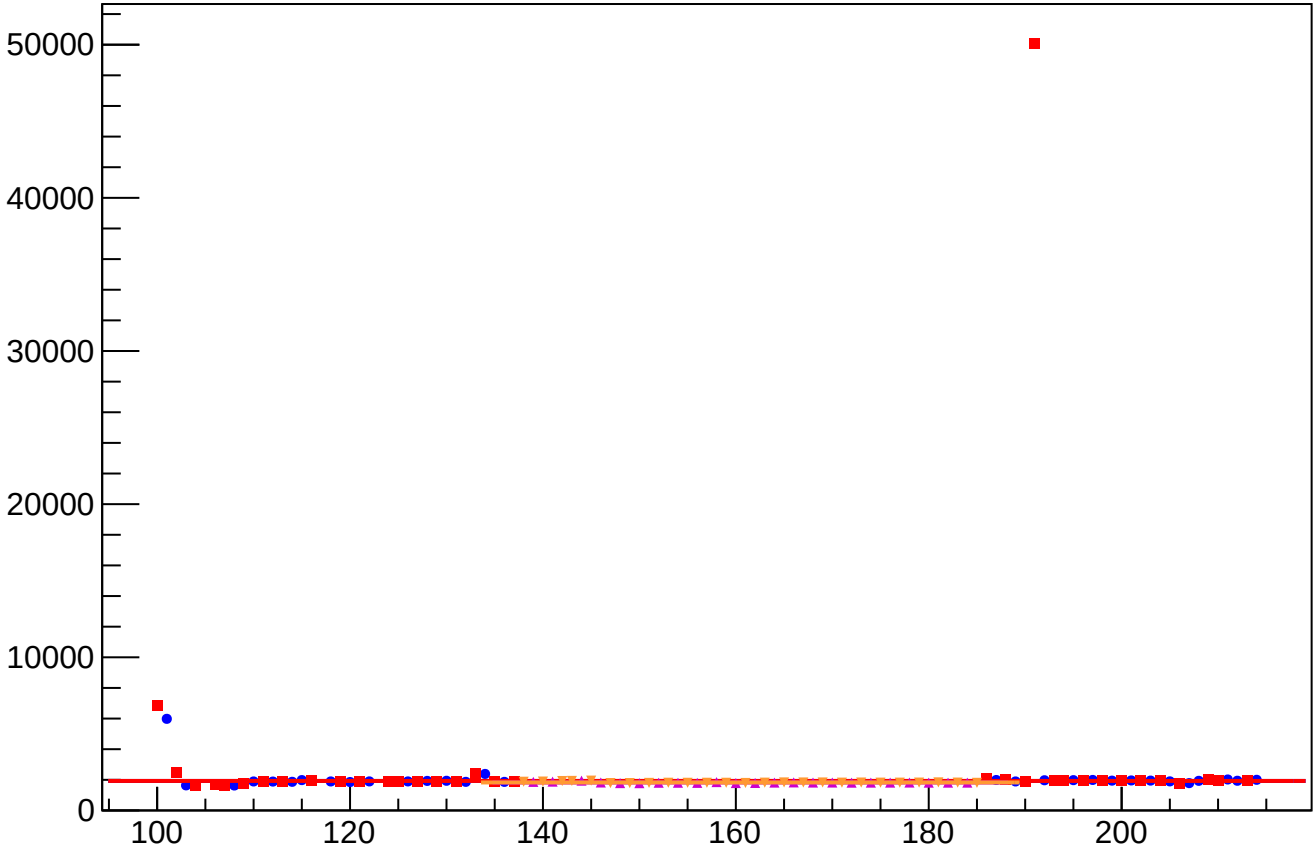
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

\+ sign -5.956+/-306.488 χ^2/NDF: 59.9/54

All: -21.703+/-217.644 χ^2/NDF: 109.5/111

\- sign -37.722+/-309.119 χ^2/NDF: 49.6/56

cor_asym_atr_dd_rms vs Slug



Right In: 1925.149+/-0.321 χ^2/NDF: 723576.7/29

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

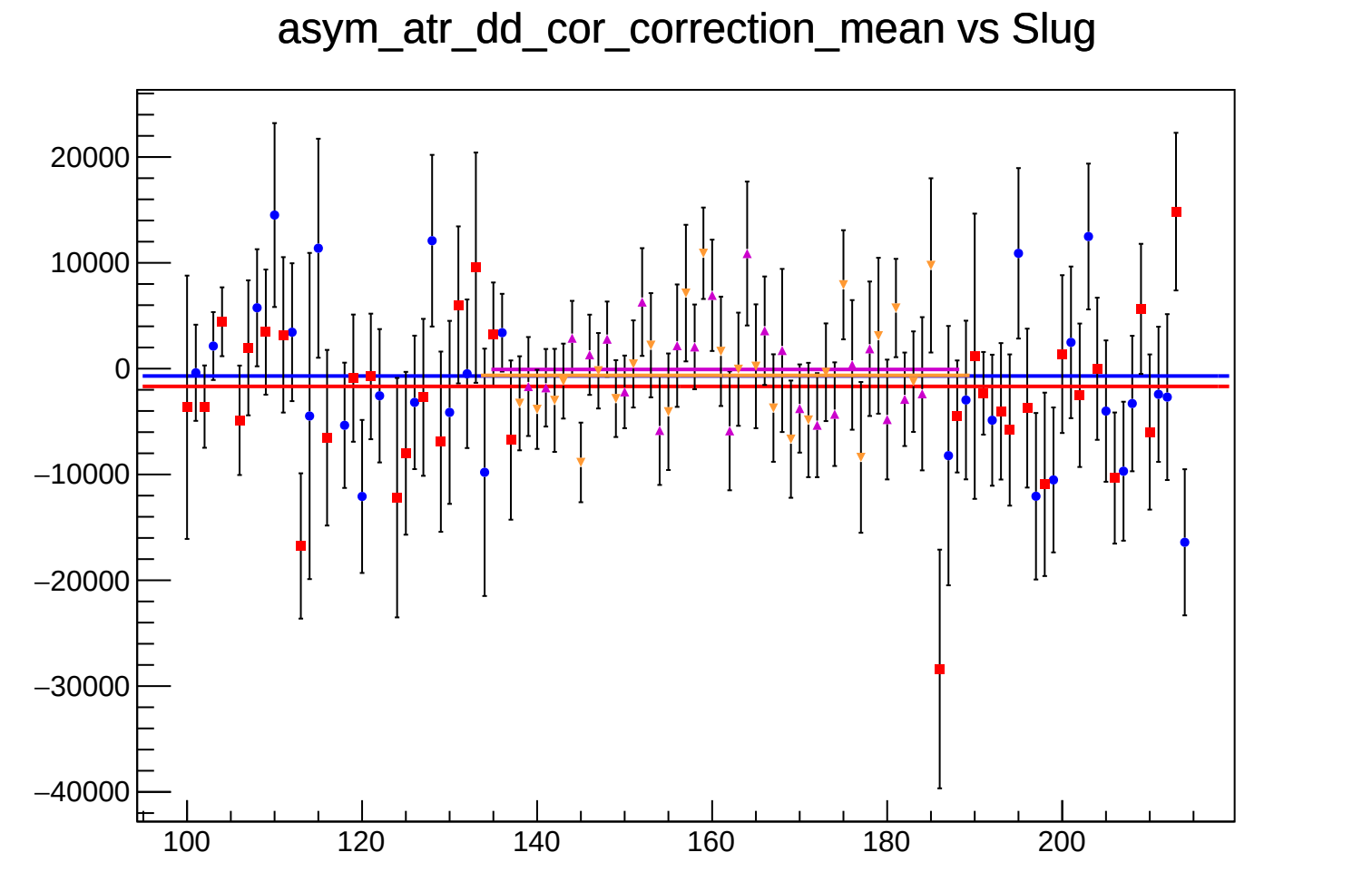
Right Out: 1927.223+/-0.317 χ^2/NDF: 399145.3/33

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1872.392+/-0.217 χ^2/NDF: 792496.9/54

All: 1872.977+/-0.154 χ^2/NDF: 1259407.7/11

- sign 1873.571+/-0.219 χ^2/NDF: 466896.1/56



Right In: -694.639+/-1168.309 χ^2/NDF: 33.5/29

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1677.030+/-1083.814 χ^2/NDF: 33.0/33

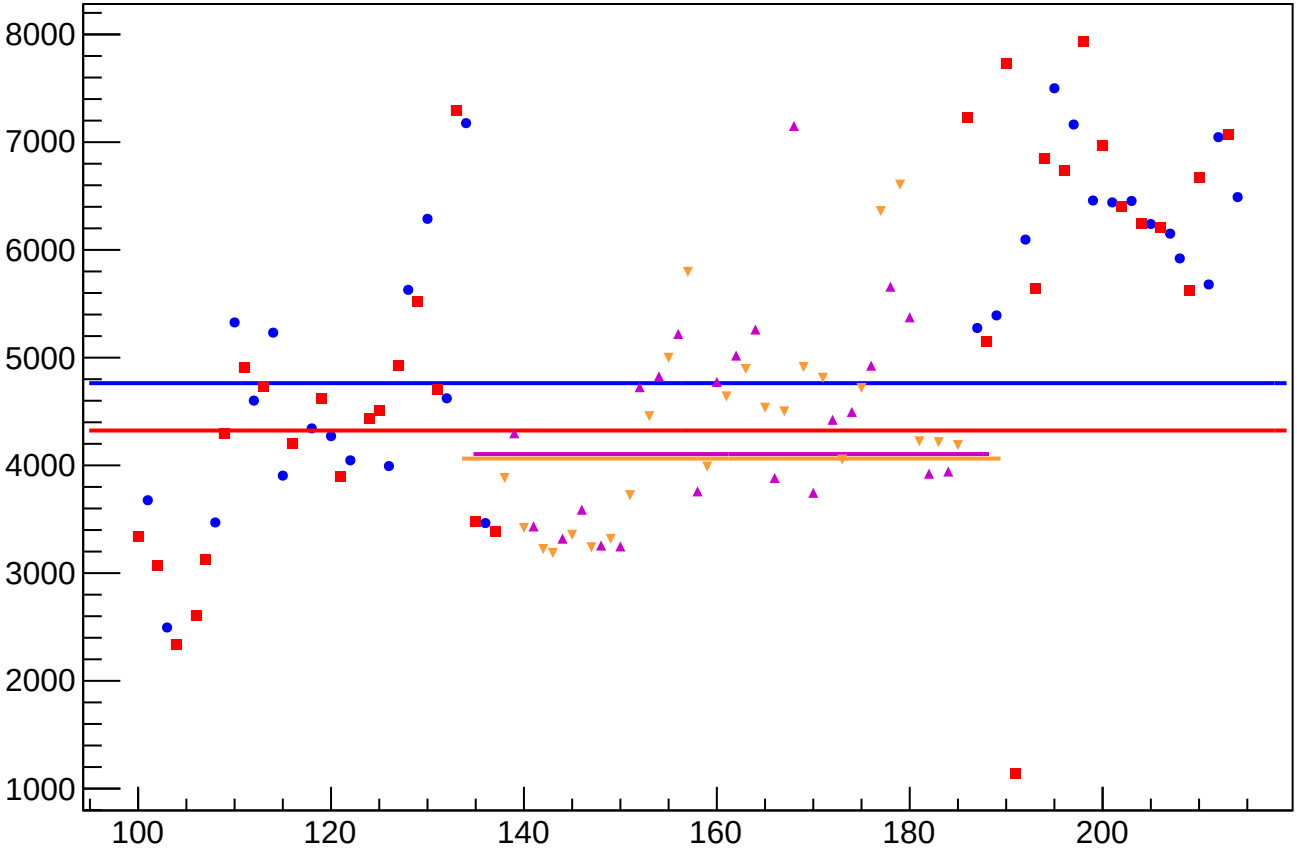
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -660.285+/-735.610 χ^2/NDF: 59.4/54

All: -729.074+/-517.084 χ^2/NDF: 109.1/111

- sign -796.262+/-727.002 χ^2/NDF: 49.6/56

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4763.119+/-0.826 χ^2/NDF: 3212629.0/29

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF: 5475294.1/33

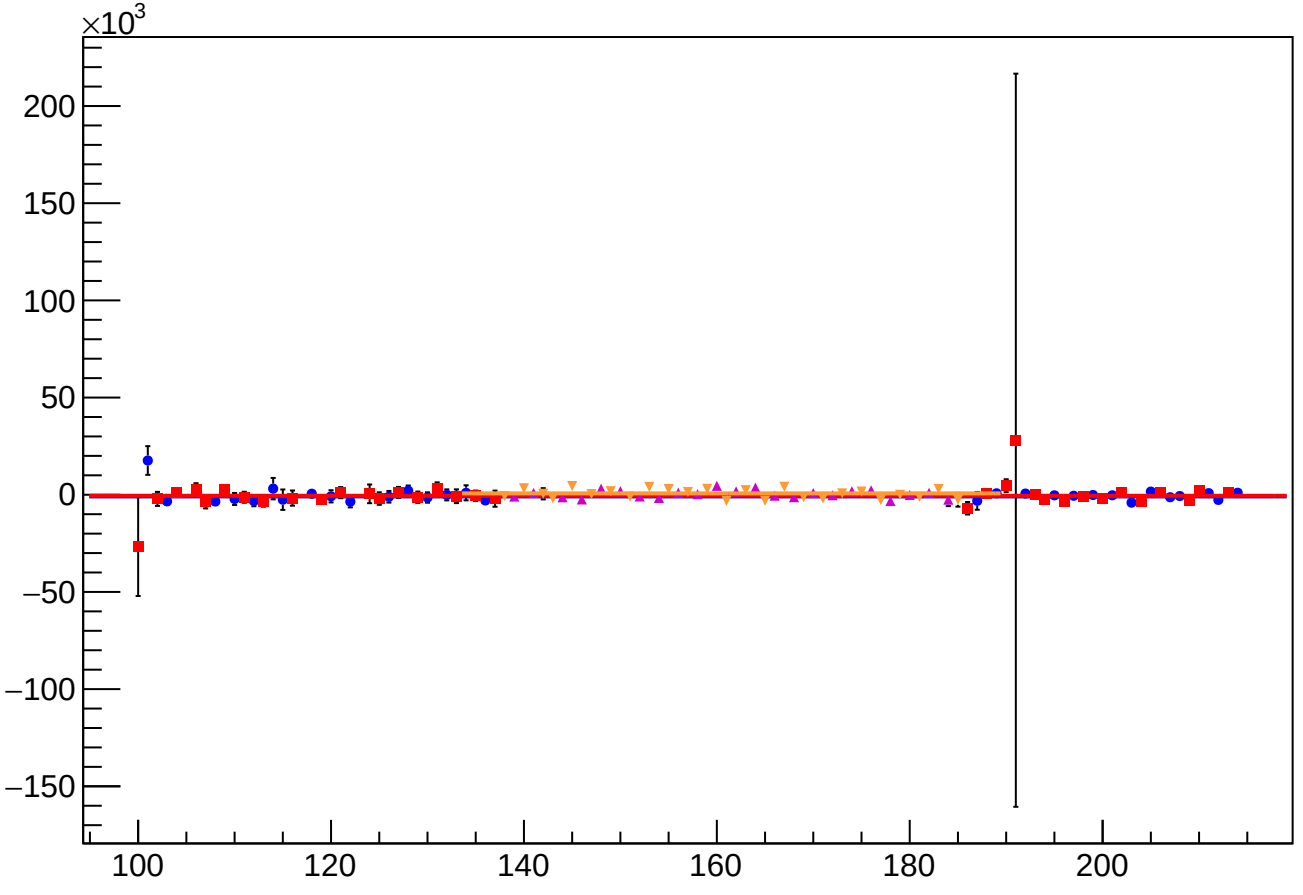
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4340.621+/-0.520 χ^2/NDF: 5051017.1/54

All: 4271.207+/-0.366 χ^2/NDF: 11965769.0/1

- sign 4203.408+/-0.514 χ^2/NDF: 6879548.9/56

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -856.481+/-454.074 χ^2/NDF: 21.6/29

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -526.793+/-448.995 χ^2/NDF: 26.6/33

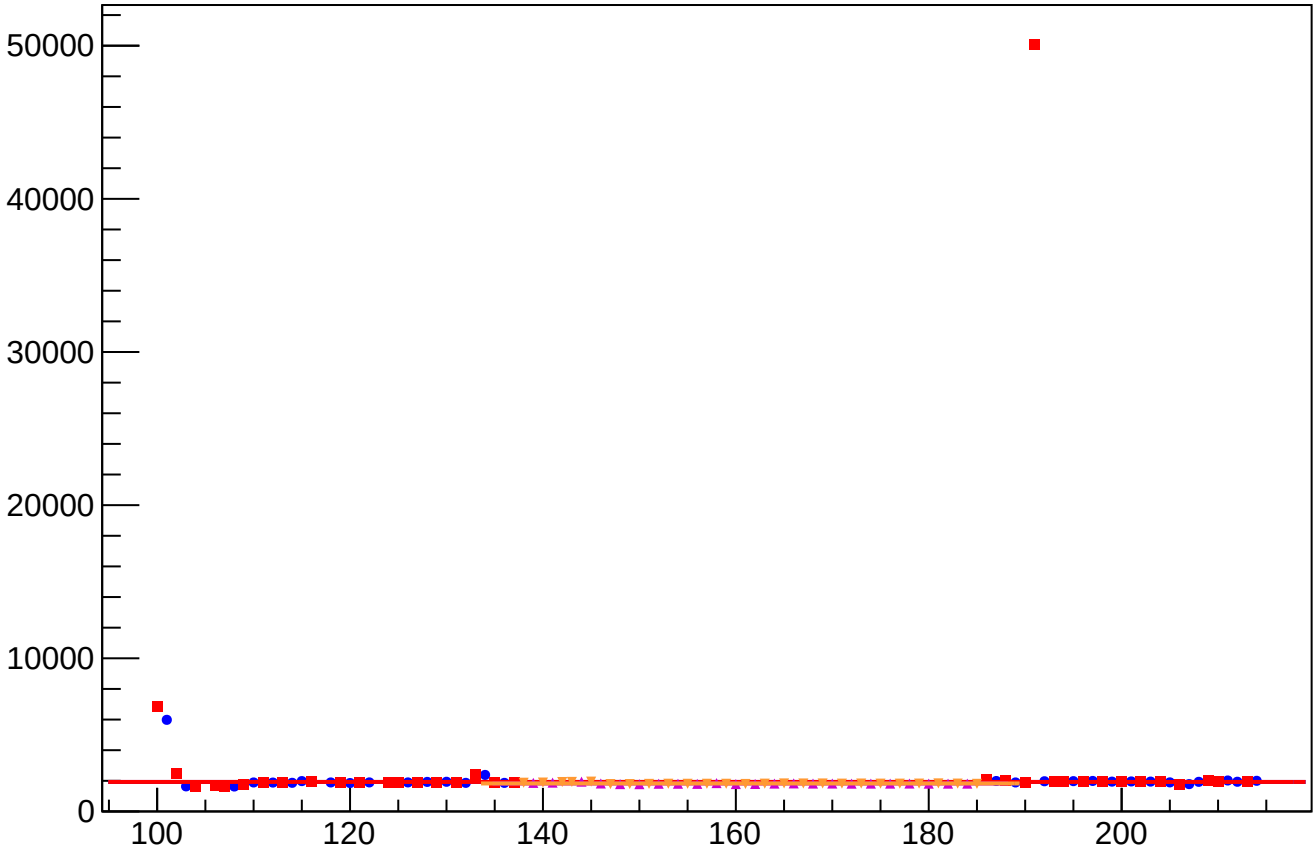
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -5.956+/-306.488 χ^2/NDF: 59.9/54

All: -21.703+/-217.644 χ^2/NDF: 109.5/111

- sign -37.722+/-309.119 χ^2/NDF: 49.6/56

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1925.149+/-0.321 χ^2/NDF: 723576.7/29

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

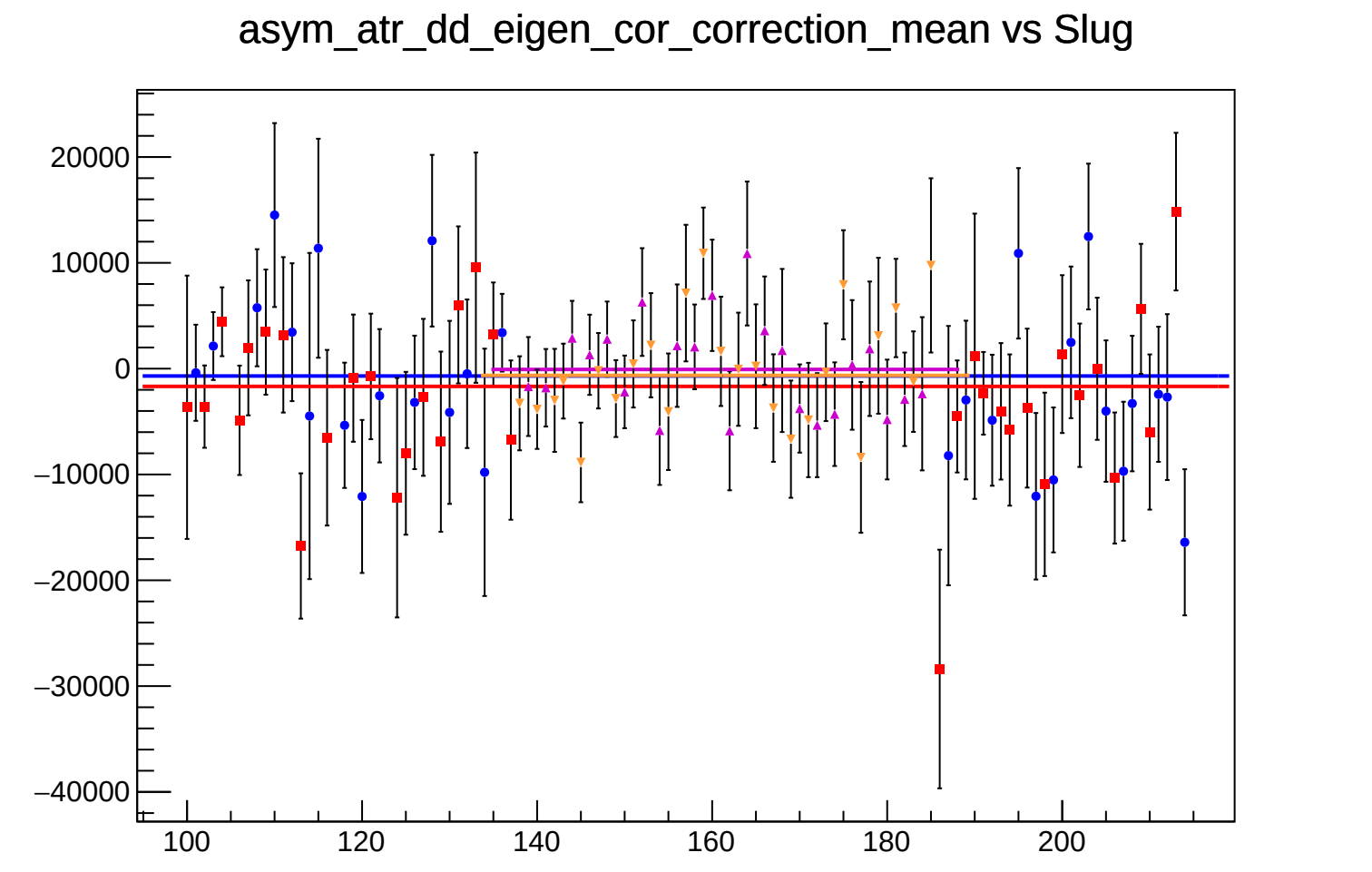
Right Out: 1927.223+/-0.317 χ^2/NDF: 399145.3/33

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1872.392+/-0.217 χ^2/NDF: 792496.9/54

All: 1872.977+/-0.154 χ^2/NDF: 1259407.7/11

- sign 1873.571+/-0.219 χ^2/NDF: 466896.1/56



Right In: -694.639+/-1168.309 χ^2/NDF: 33.5/29

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1677.030+/-1083.814 χ^2/NDF: 33.0/33

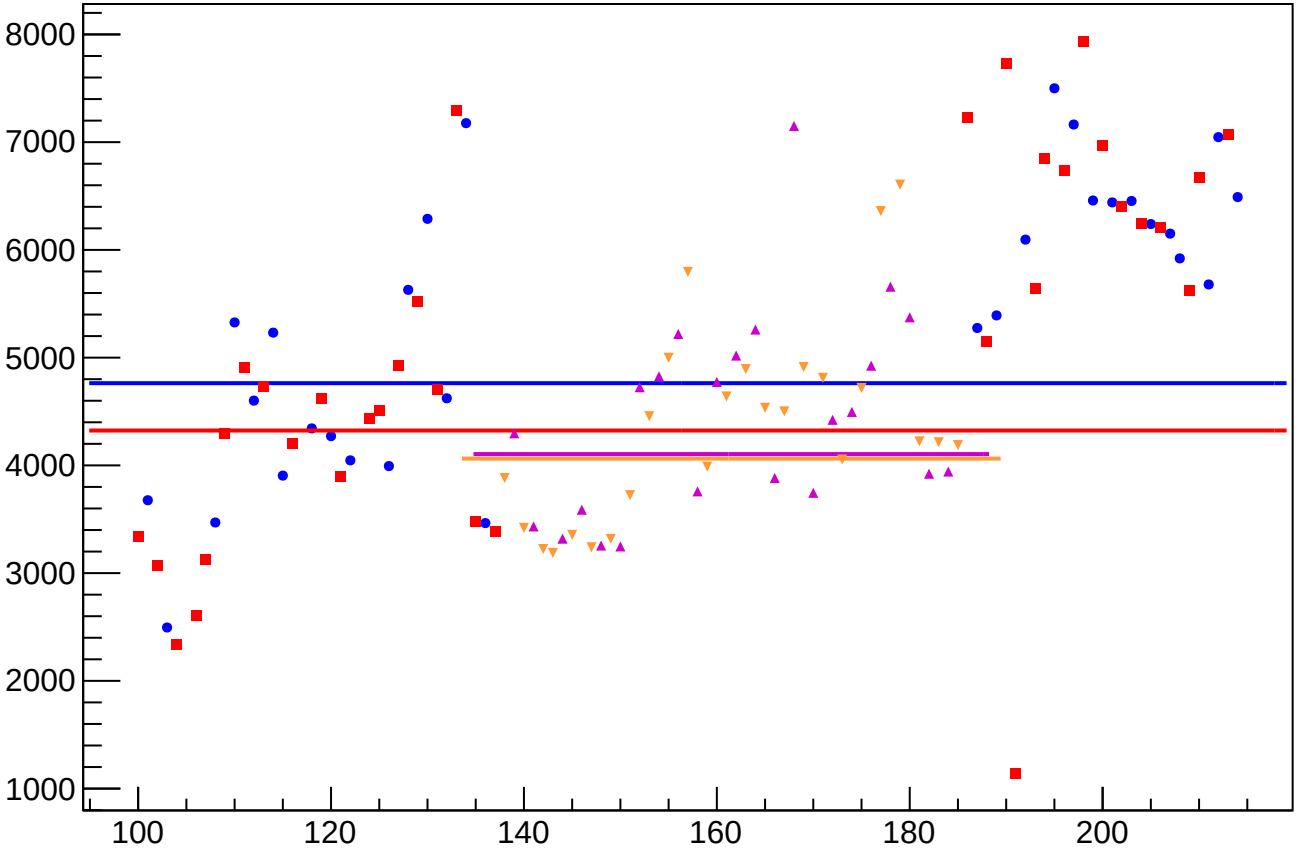
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -660.285+/-735.610 χ^2/NDF: 59.4/54

All: -729.074+/-517.084 χ^2/NDF: 109.1/111

- sign -796.262+/-727.002 χ^2/NDF: 49.6/56

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4763.119+/-0.826 χ^2/NDF: 3212629.0/29

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4323.649+/-0.766 χ^2/NDF: 5475294.1/33

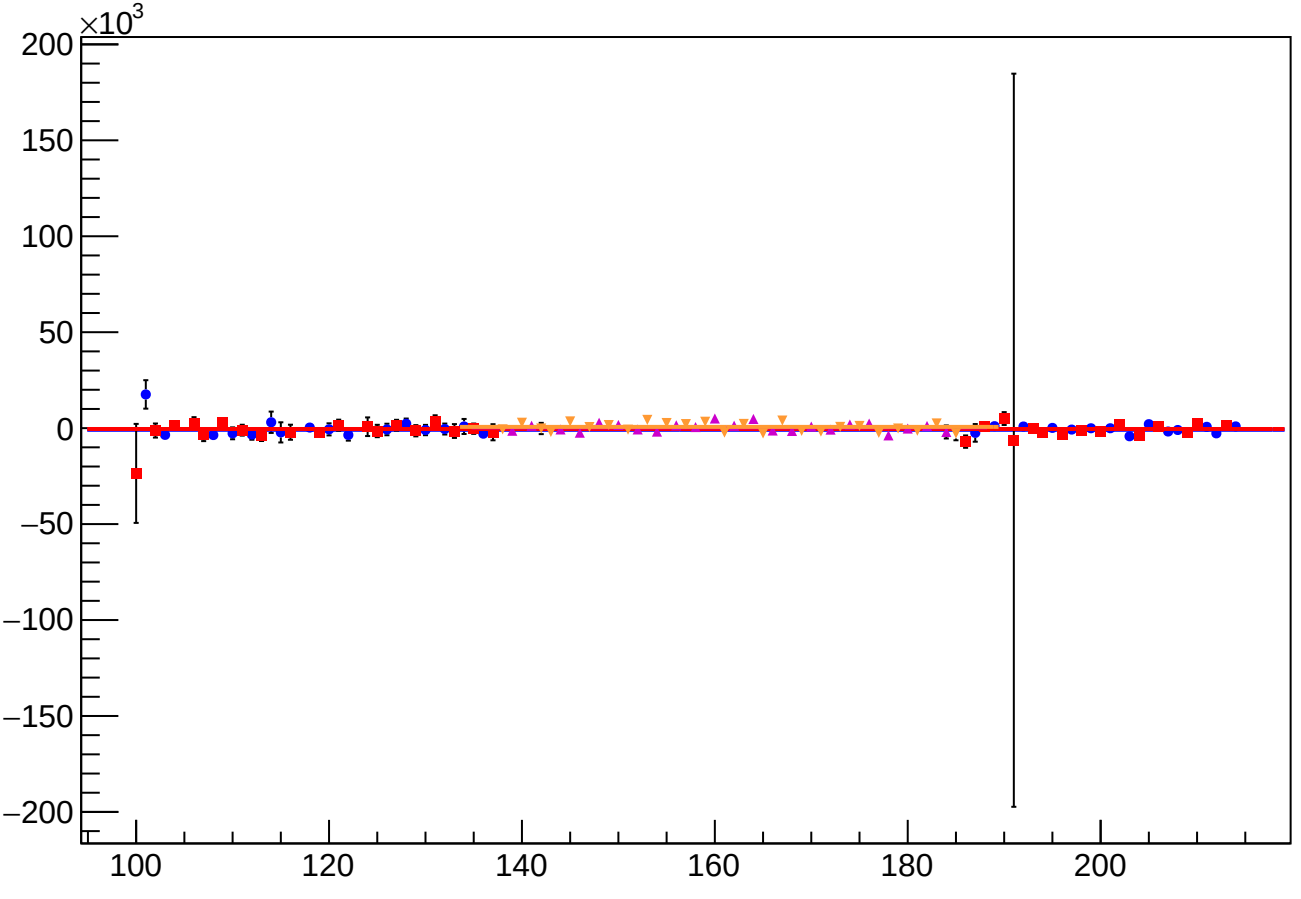
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4340.621+/-0.520 χ^2/NDF: 5051017.1/54

All: 4271.207+/-0.366 χ^2/NDF: 11965769.0/1

- sign 4203.408+/-0.514 χ^2/NDF: 6879548.9/56

dit_asym_atr_dd_mean vs Slug



Right In: -853.055+/-457.656 χ^2/NDF: 22.9/29

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -442.753+/-453.026 χ^2/NDF: 28.7/33

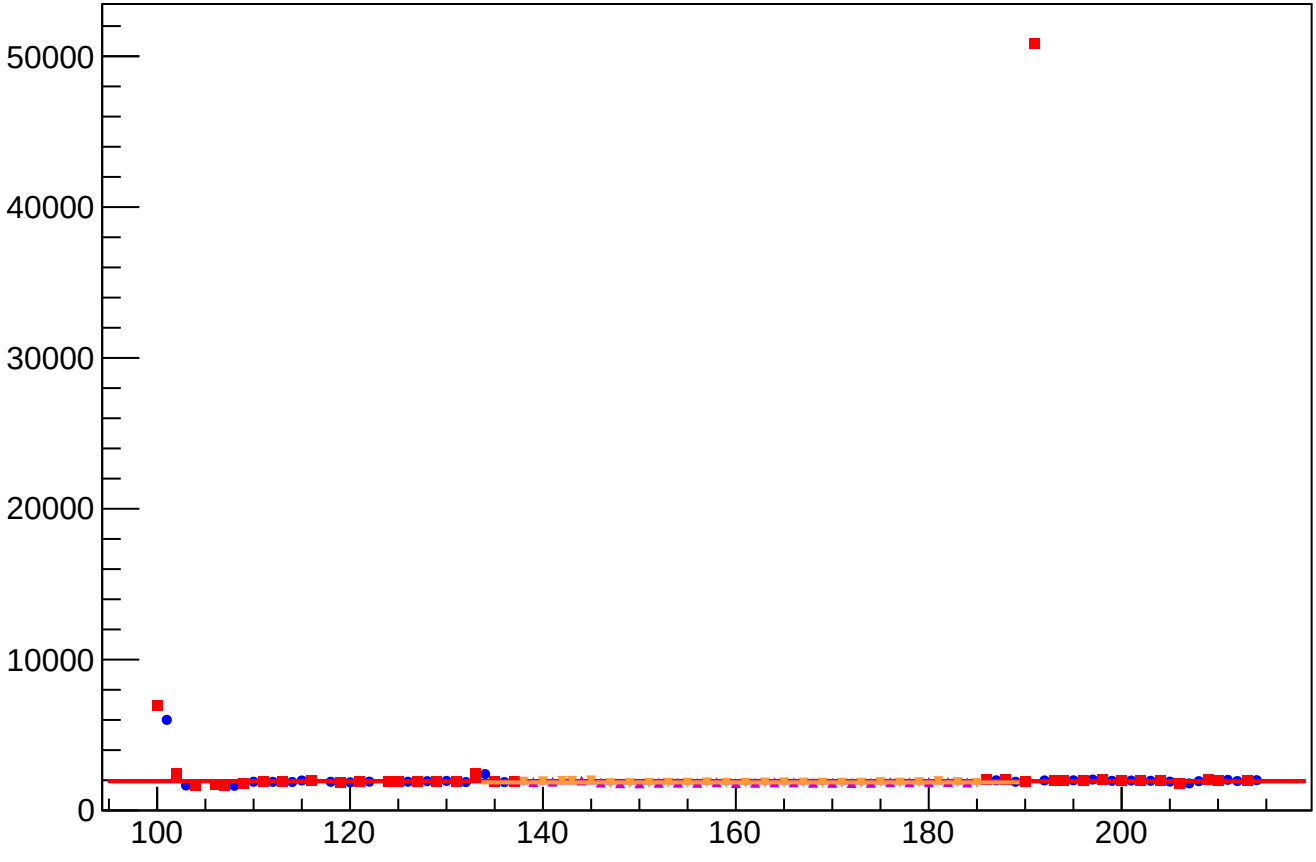
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -38.475+/-310.661 χ^2/NDF: 55.8/54

All: -18.163+/-220.612 χ^2/NDF: 110.0/111

- sign 2.501+/-313.341 χ^2/NDF: 54.2/56

dit_asym_atr_dd_rms vs Slug



Right In: 1940.194+/-0.324 χ^2/NDF: 726226.9/29

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.021+/-0.320 χ^2/NDF: 407661.7/33

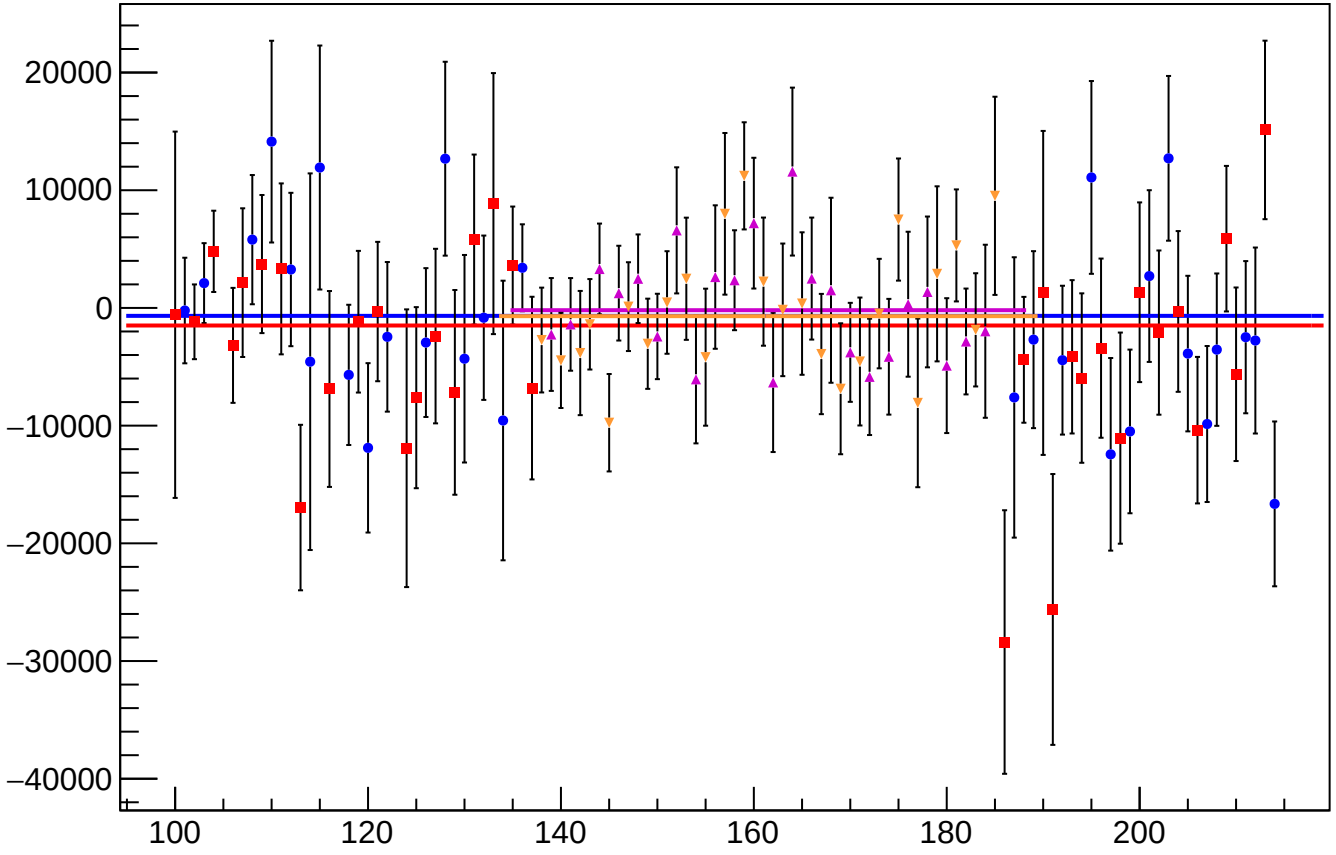
Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1897.885+/-0.220 χ^2/NDF: 783941.1/54

All: 1898.435+/-0.156 χ^2/NDF: 1245923.5/11

- sign 1898.994+/-0.222 χ^2/NDF: 461969.7/56

asym_atr_dd_dit_correction_mean vs Slug



Right In: -673.104+/-1182.471 χ^2/NDF: 33.4/29

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1492.812+/-1112.876 χ^2/NDF: 36.6/33

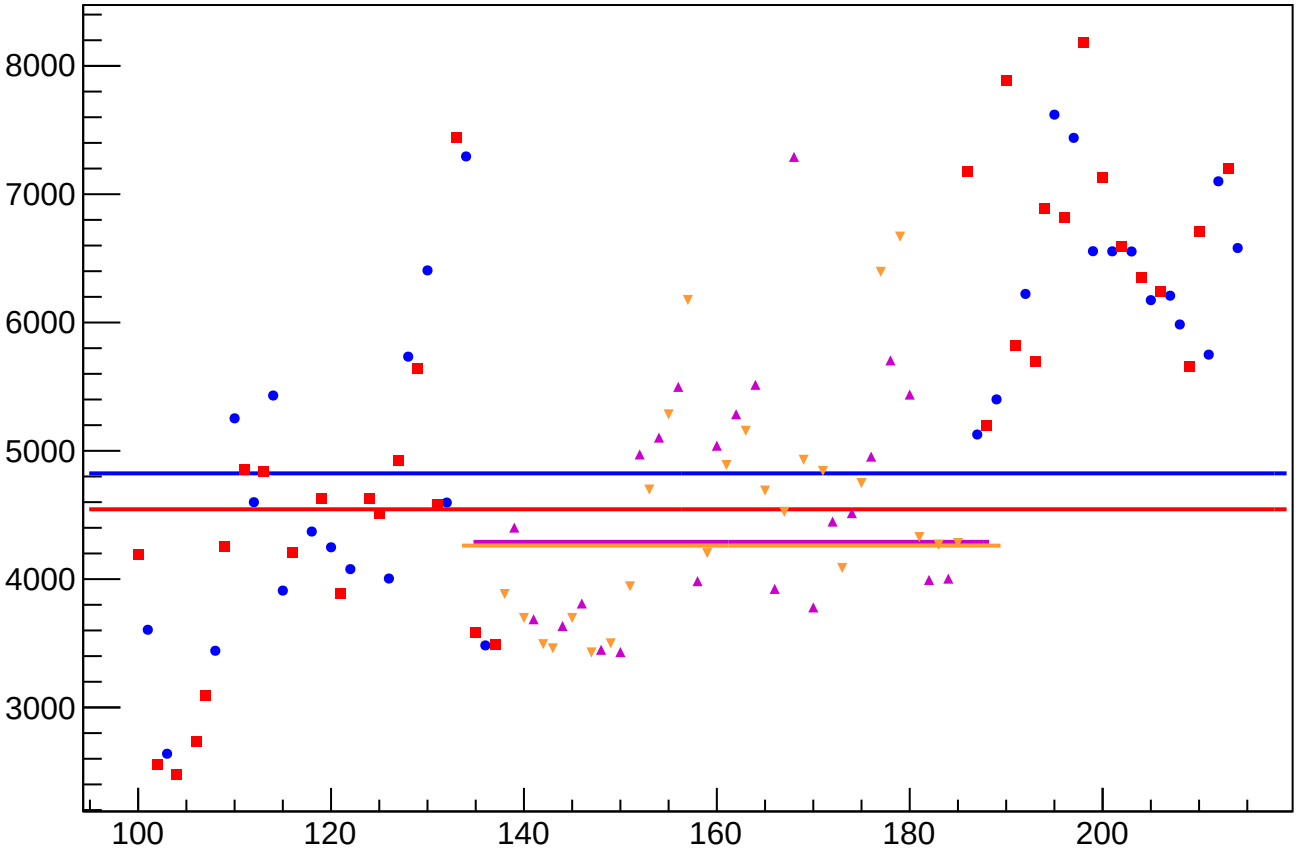
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -687.908+/-759.098 χ^2/NDF: 58.7/54

All: -738.208+/-534.570 χ^2/NDF: 111.2/111

- sign -787.694+/-752.931 χ^2/NDF: 52.5/56

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4824.370+/-0.836 χ^2/NDF: 3130483.3/29

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4544.377+/-0.787 χ^2/NDF: 4446937.1/33

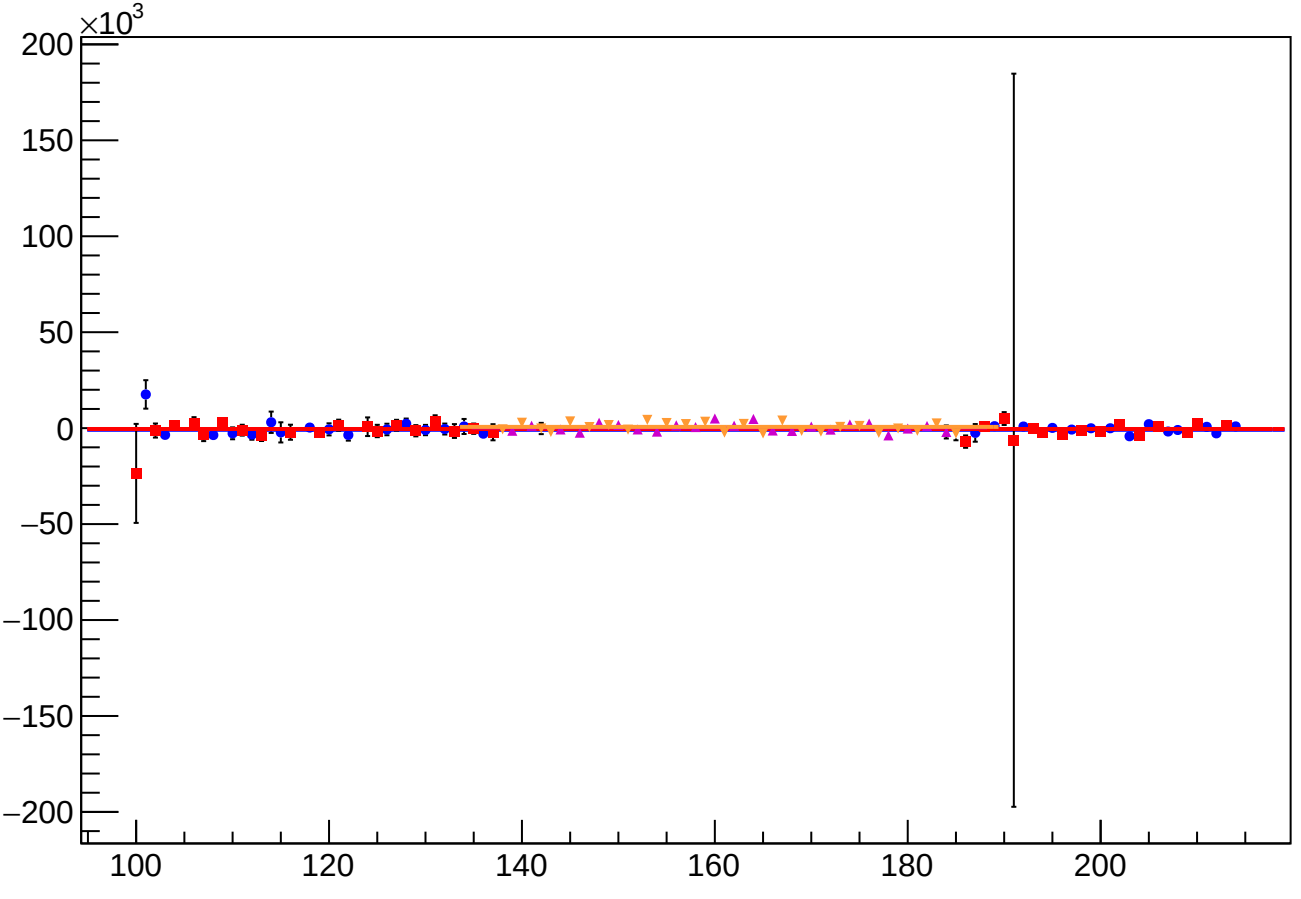
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4493.244+/-0.537 χ^2/NDF: 4587816.4/54

All: 4449.596+/-0.378 χ^2/NDF: 10318322.5/1

- sign 4406.654+/-0.532 χ^2/NDF: 5717388.1/56

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -853.054+/-457.656 χ^2/NDF: 22.9/29

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

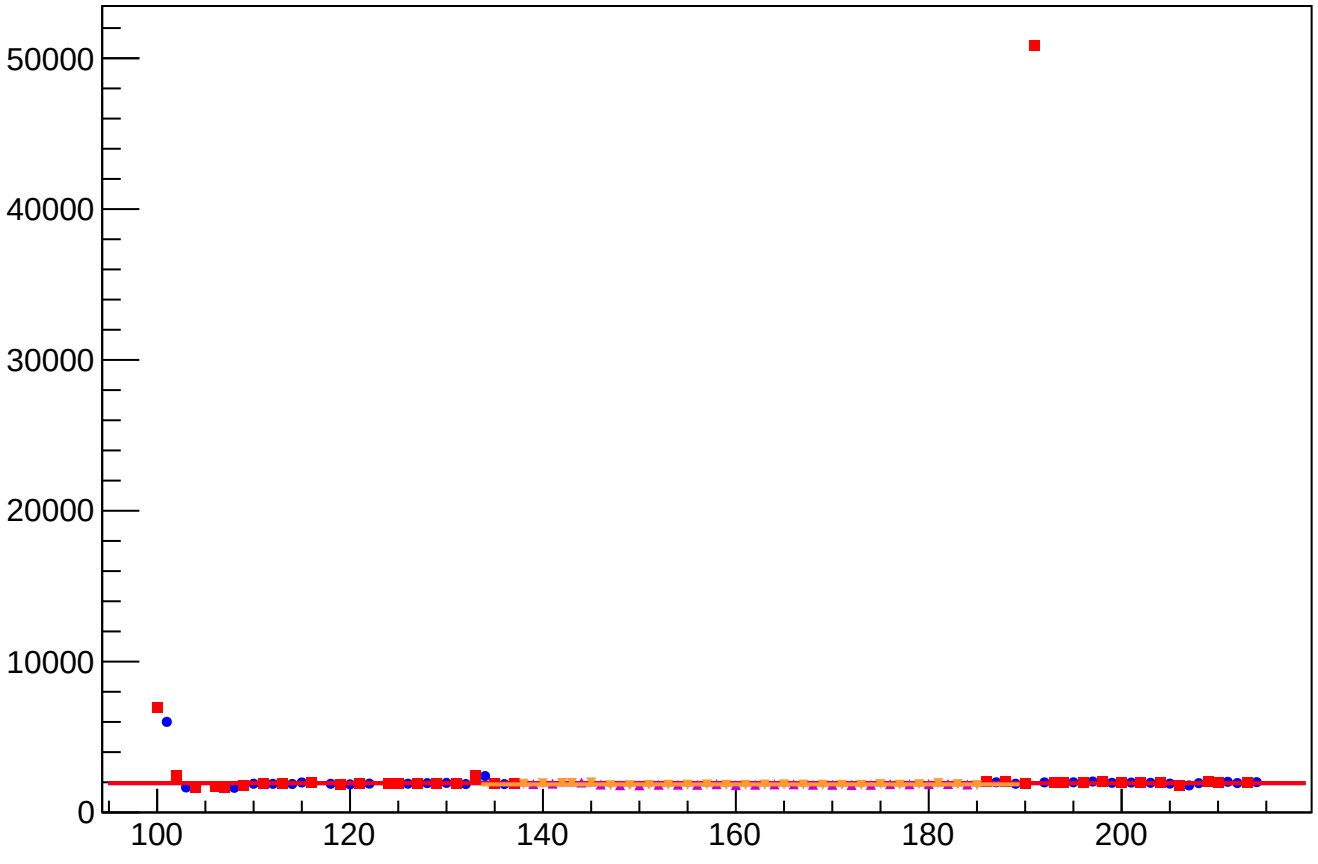
Right Out: -442.750+/-453.026 χ^2/NDF: 28.7/33

Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -38.472+/-310.661 χ^2/NDF: 55.8/54

All: -18.161+/-220.612 χ^2/NDF: 110.0/111

- sign 2.502+/-313.341 χ^2/NDF: 54.2/56



Right In: 1940.194+/-0.324 χ^2/NDF: 726226.8/29

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

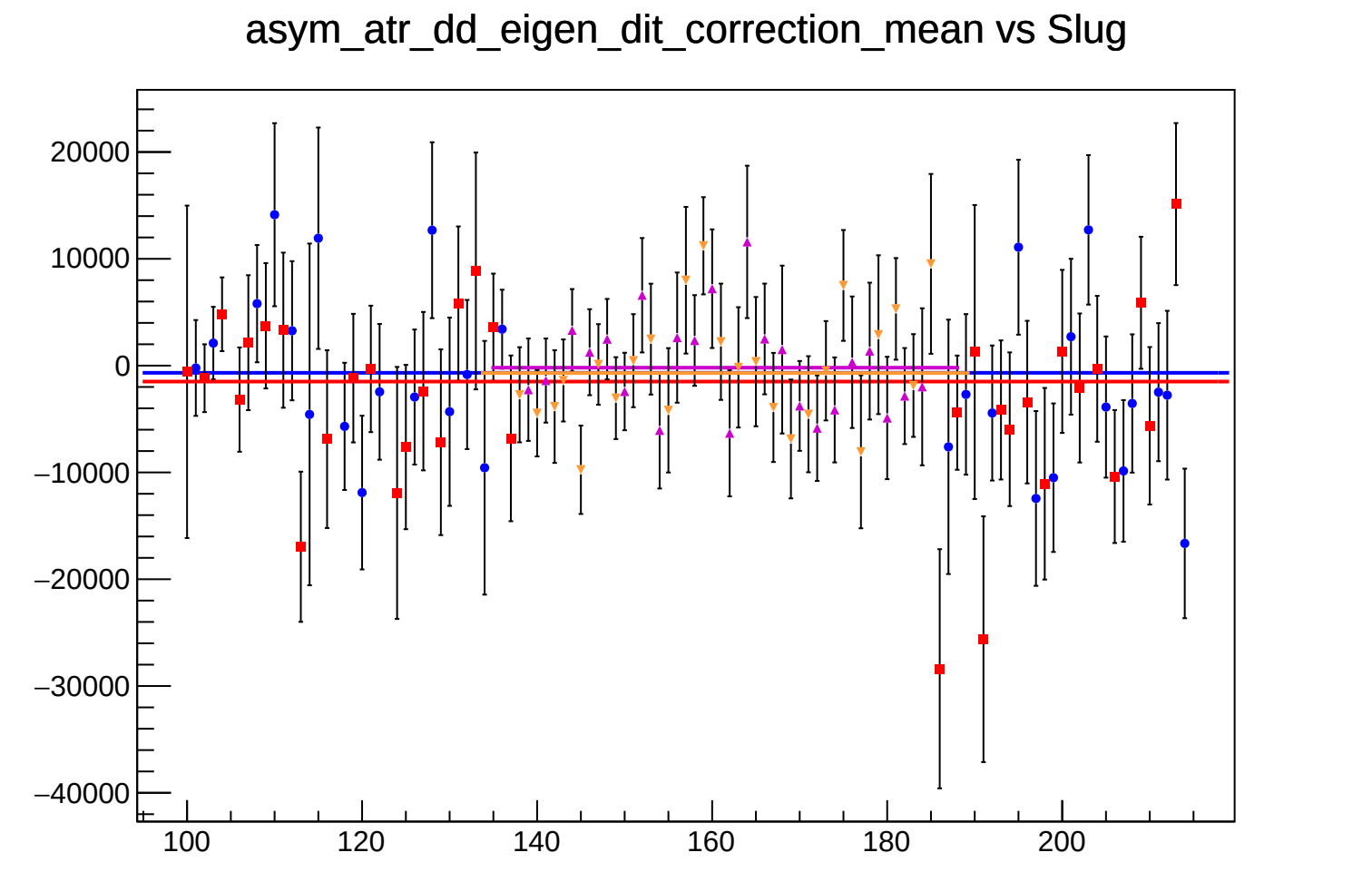
Right Out: 1944.021+/-0.320 χ^2/NDF: 407661.9/33

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1897.886+/-0.220 χ^2/NDF: 783940.6/54

All: 1898.435+/-0.156 χ^2/NDF: 1245922.5/11

- sign 1898.994+/-0.222 χ^2/NDF: 461969.3/56



Right In: -673.110+/-1182.471 χ^2/NDF: 33.4/29

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1492.809+/-1112.876 χ^2/NDF: 36.6/33

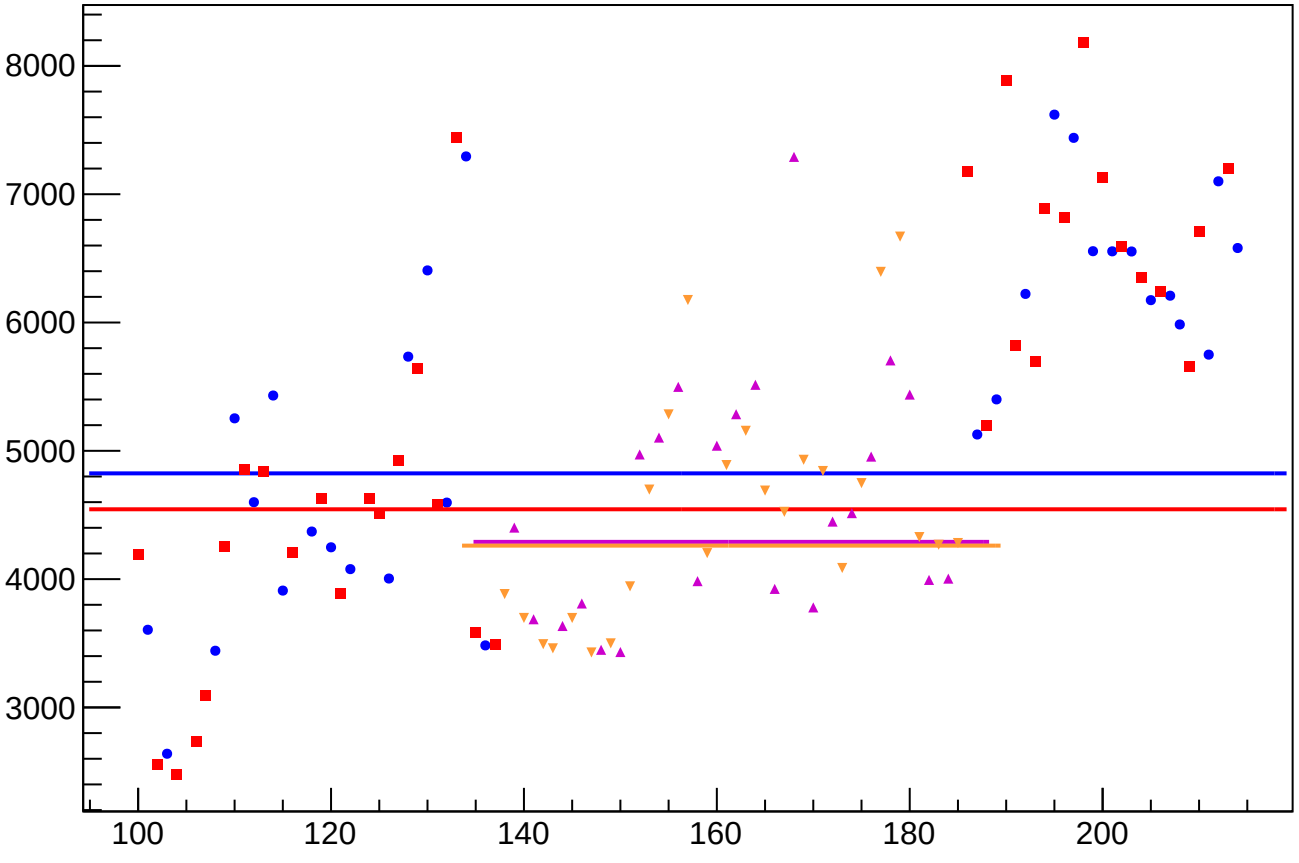
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -687.910+/-759.099 χ^2/NDF: 58.7/54

All: -738.210+/-534.570 χ^2/NDF: 111.2/111

- sign -787.695+/-752.931 χ^2/NDF: 52.5/56

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4824.369+/-0.836 χ^2/NDF: 3130491.6/29

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4544.375+/-0.787 χ^2/NDF: 4446945.1/33

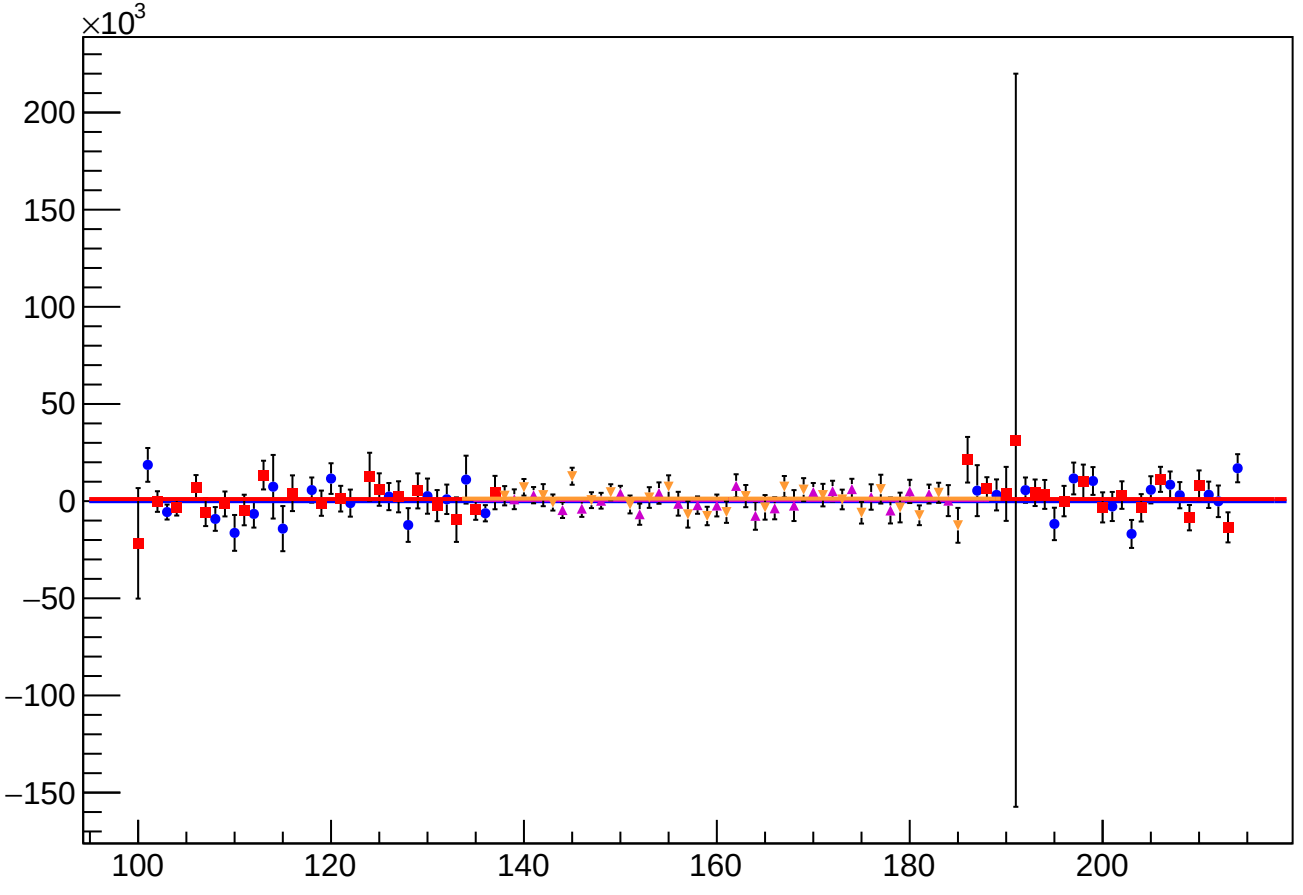
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4493.248+/-0.537 χ^2/NDF: 4587819.8/54

All: 4449.599+/-0.378 χ^2/NDF: 10318336.2/1

- sign 4406.657+/-0.532 χ^2/NDF: 5717397.9/56

asym_atr_dd_mean vs Slug



Right In: -31.173+/-1302.911 χ^2/NDF: 43.9/29

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1078.992+/-1260.834 χ^2/NDF: 26.0/33

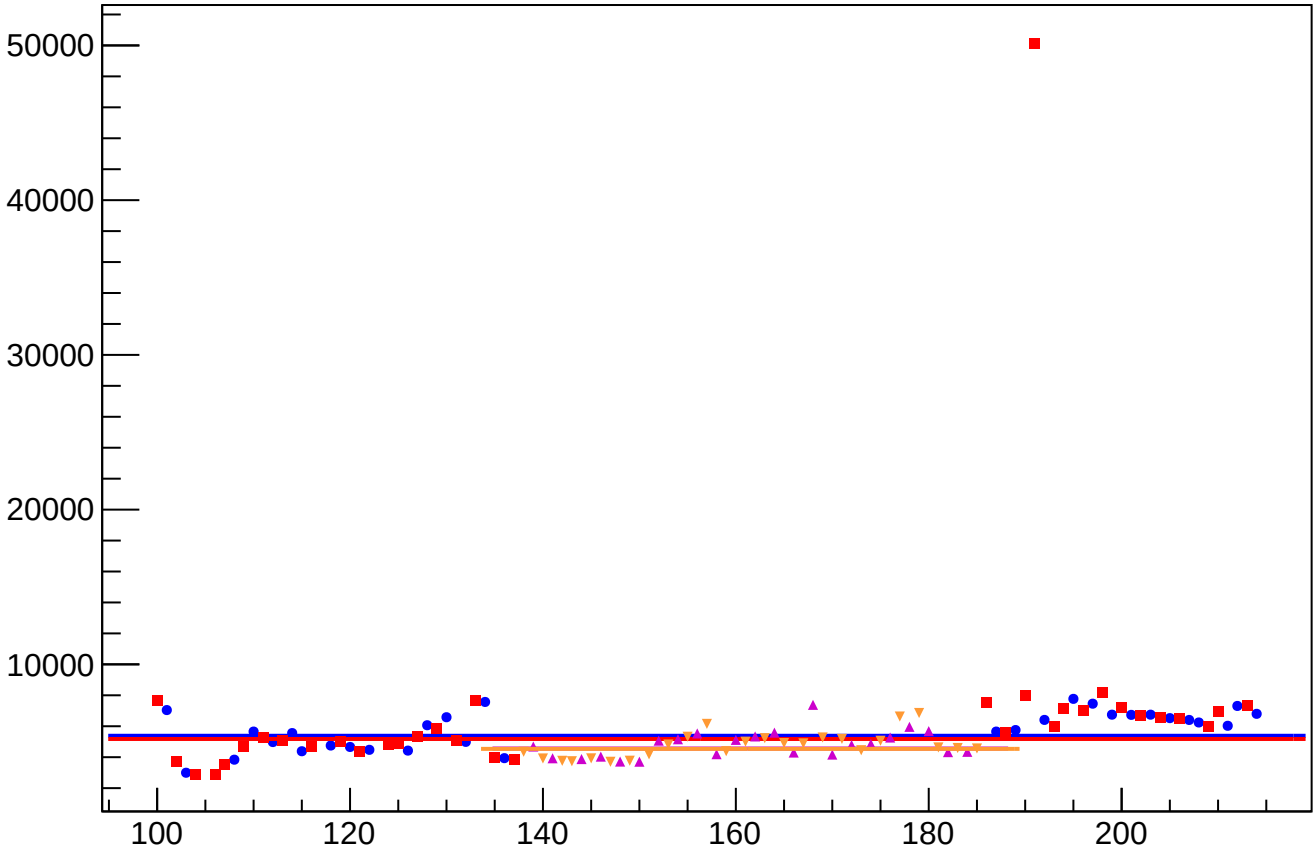
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 775.147+/-817.349 χ^2/NDF: 73.0/54

All: 782.344+/-579.295 χ^2/NDF: 113.5/111

- sign 789.607+/-821.158 χ^2/NDF: 40.6/56

asym_atr_dd_rms vs Slug



Right In: 5383.915+/-0.921 χ^2/NDF: 2348839.0/29

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

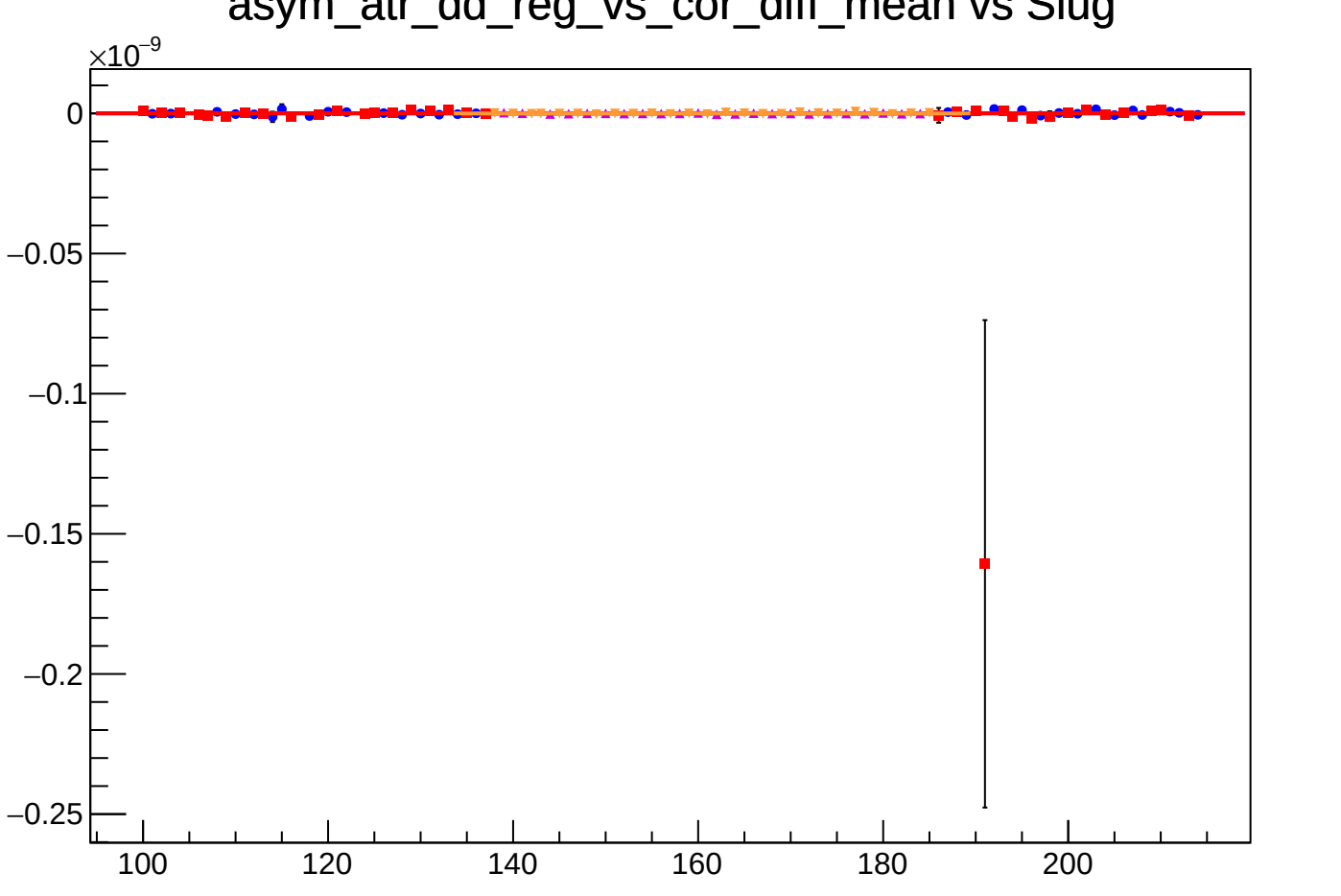
Right Out: 5177.332+/-0.887 χ^2/NDF: 3061985.0/33

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4870.859+/-0.578 χ^2/NDF: 3853103.3/54

All: 4847.309+/-0.409 χ^2/NDF: 8175831.0/11

- sign 4823.640+/-0.579 χ^2/NDF: 4319398.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/33

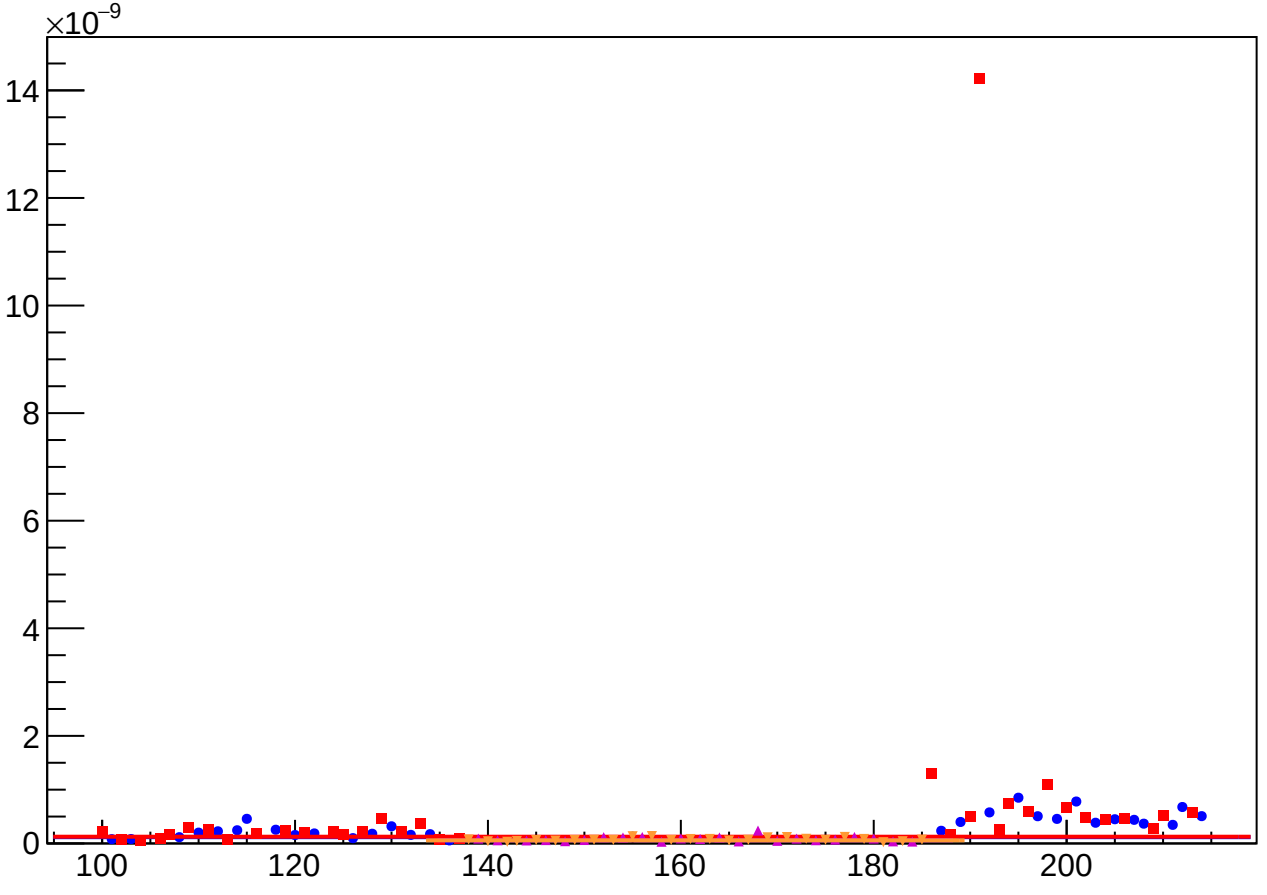
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.9/54

All: -0.000+/-0.000 χ^2/NDF: 132.3/111

- sign 0.000+/-0.000 χ^2/NDF: 66.6/56

asym_atr_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7167755.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7354234.0/33

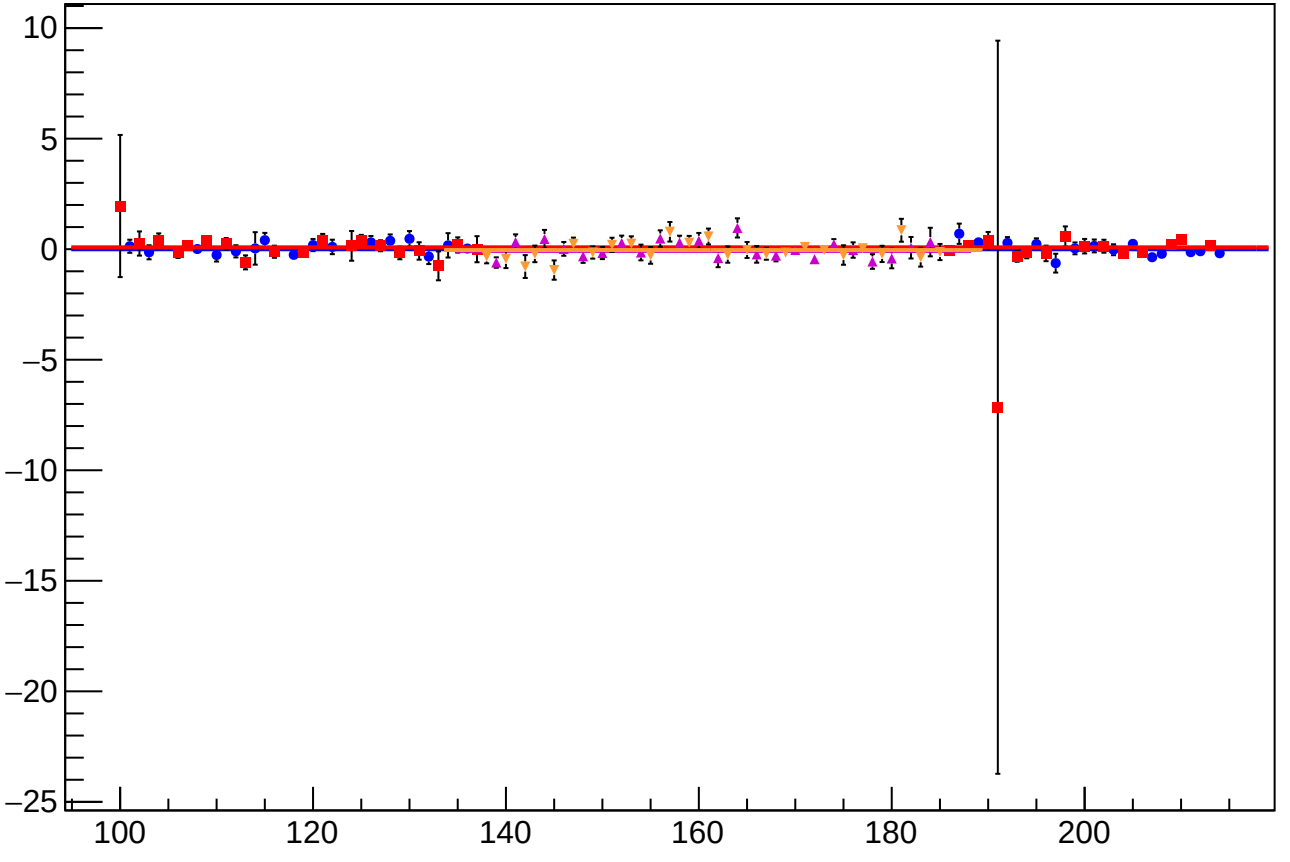
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10774325.4/54

All: 0.000+/-0.000 χ^2/NDF: 22084498.9/111

- sign 0.000+/-0.000 χ^2/NDF: 11306641.5/56

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.045 χ^2/NDF: 29.8/29

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.044 χ^2/NDF: 33.3/33

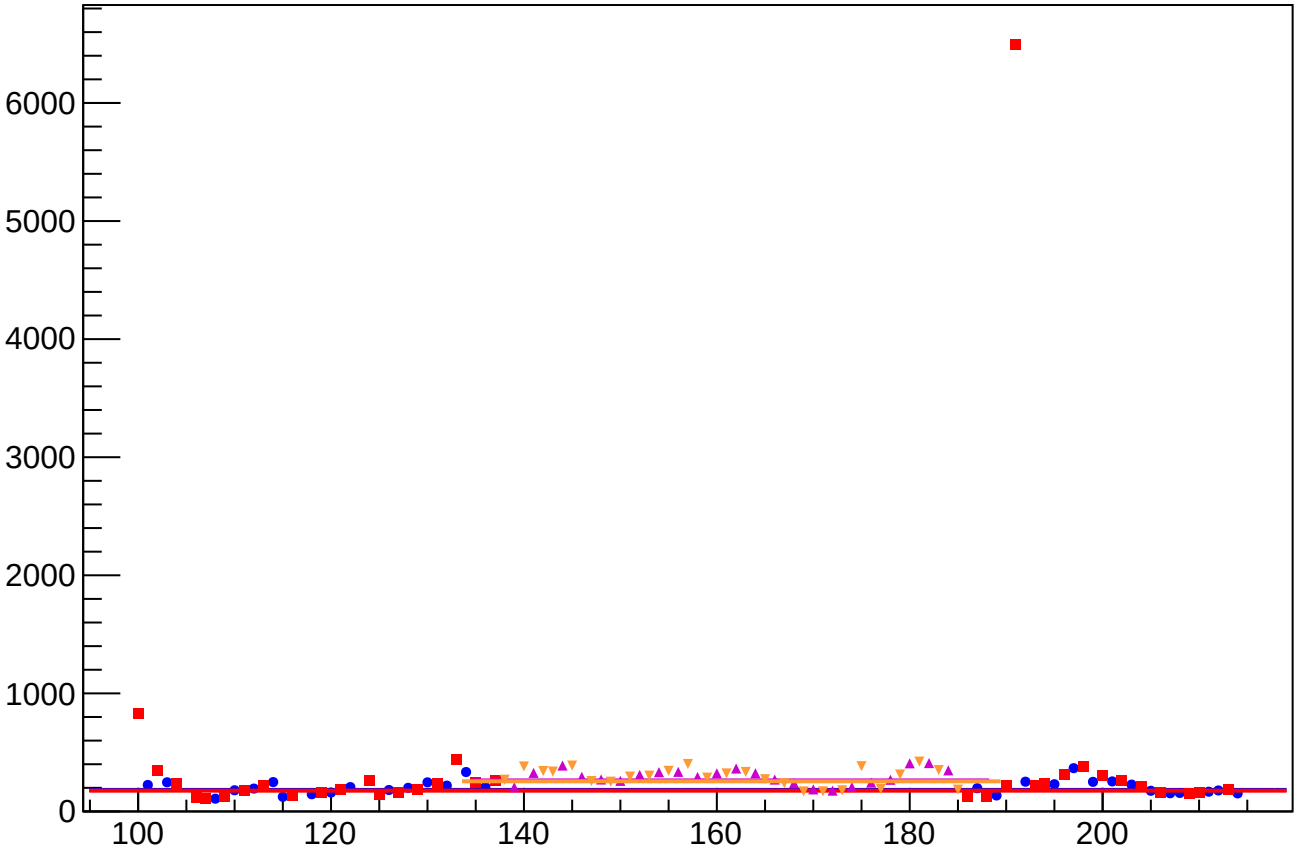
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.016+/-0.036 χ^2/NDF: 54.4/54

All: 0.009+/-0.026 χ^2/NDF: 124.0/111

- sign 0.033+/-0.036 χ^2/NDF: 68.6/56

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 182.289+/-0.032 χ^2/NDF: 2128412.5/29

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.166+/-0.031 χ^2/NDF: 3597074.9/33

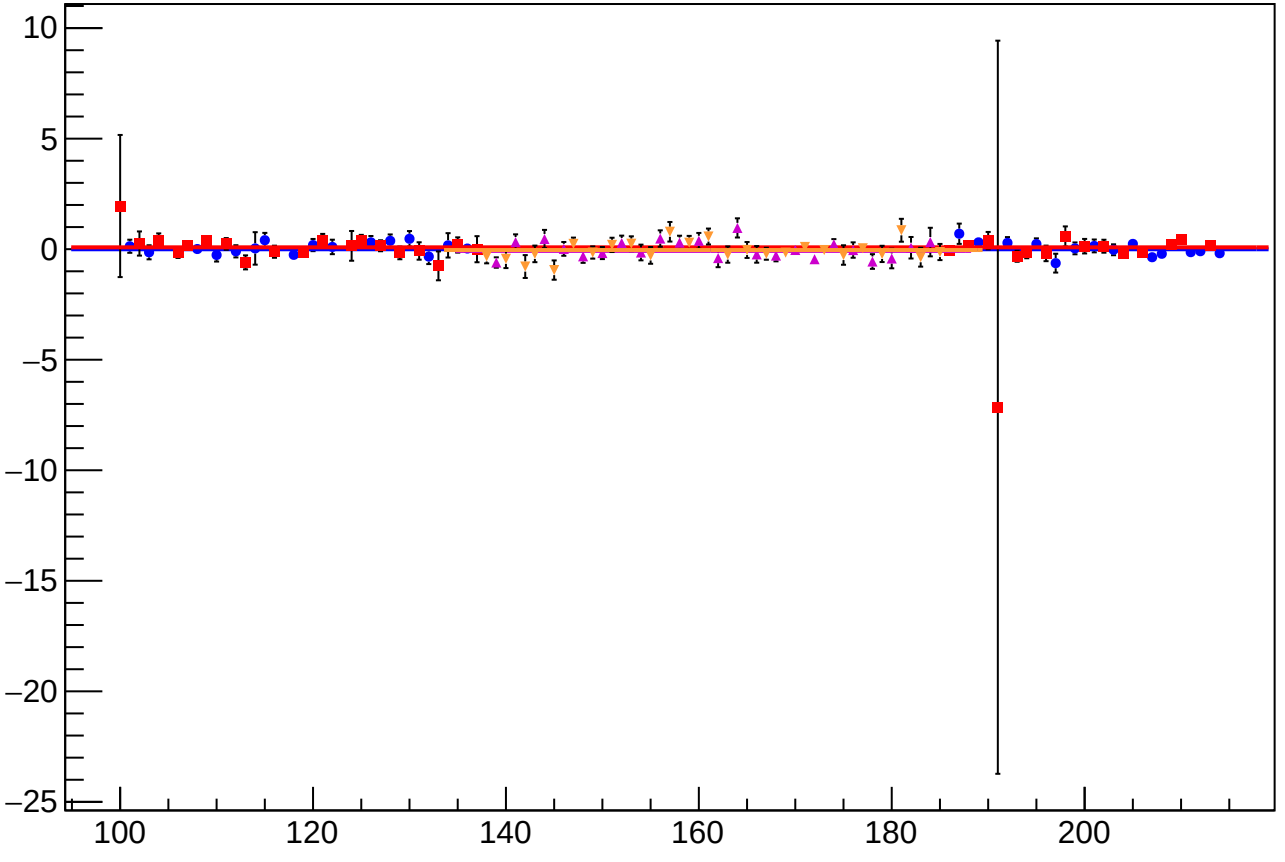
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 207.535+/-0.026 χ^2/NDF: 6886195.0/54

All: 205.530+/-0.018 χ^2/NDF: 14959717.8/11

- sign 203.518+/-0.026 χ^2/NDF: 8061360.4/56

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.045 χ^2/NDF: 29.8/29

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.044 χ^2/NDF: 33.3/33

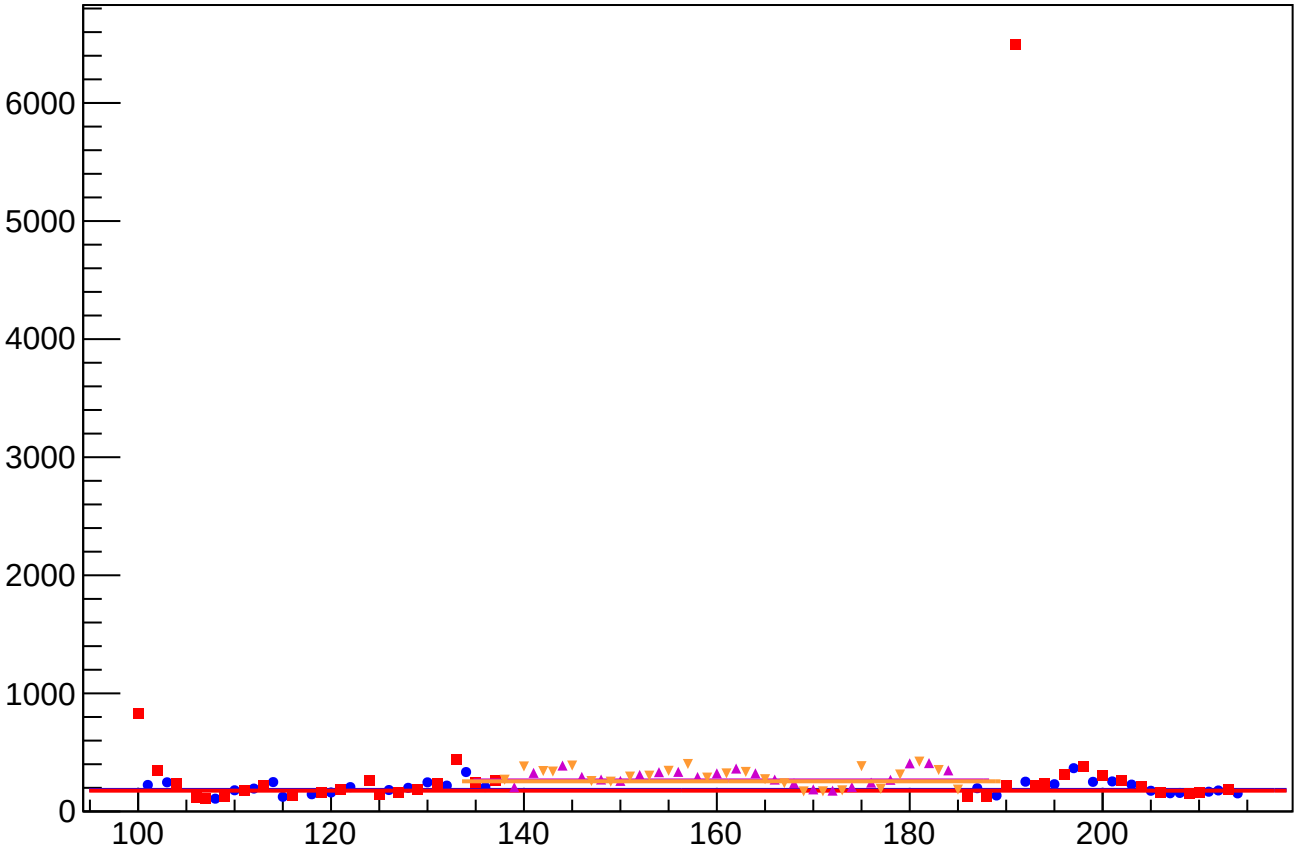
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.016+/-0.036 χ^2/NDF: 54.4/54

All: 0.009+/-0.026 χ^2/NDF: 124.0/111

- sign 0.033+/-0.036 χ^2/NDF: 68.6/56

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.289+/-0.032 χ^2/NDF: 2128412.5/29

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.166+/-0.031 χ^2/NDF: 3597074.9/33

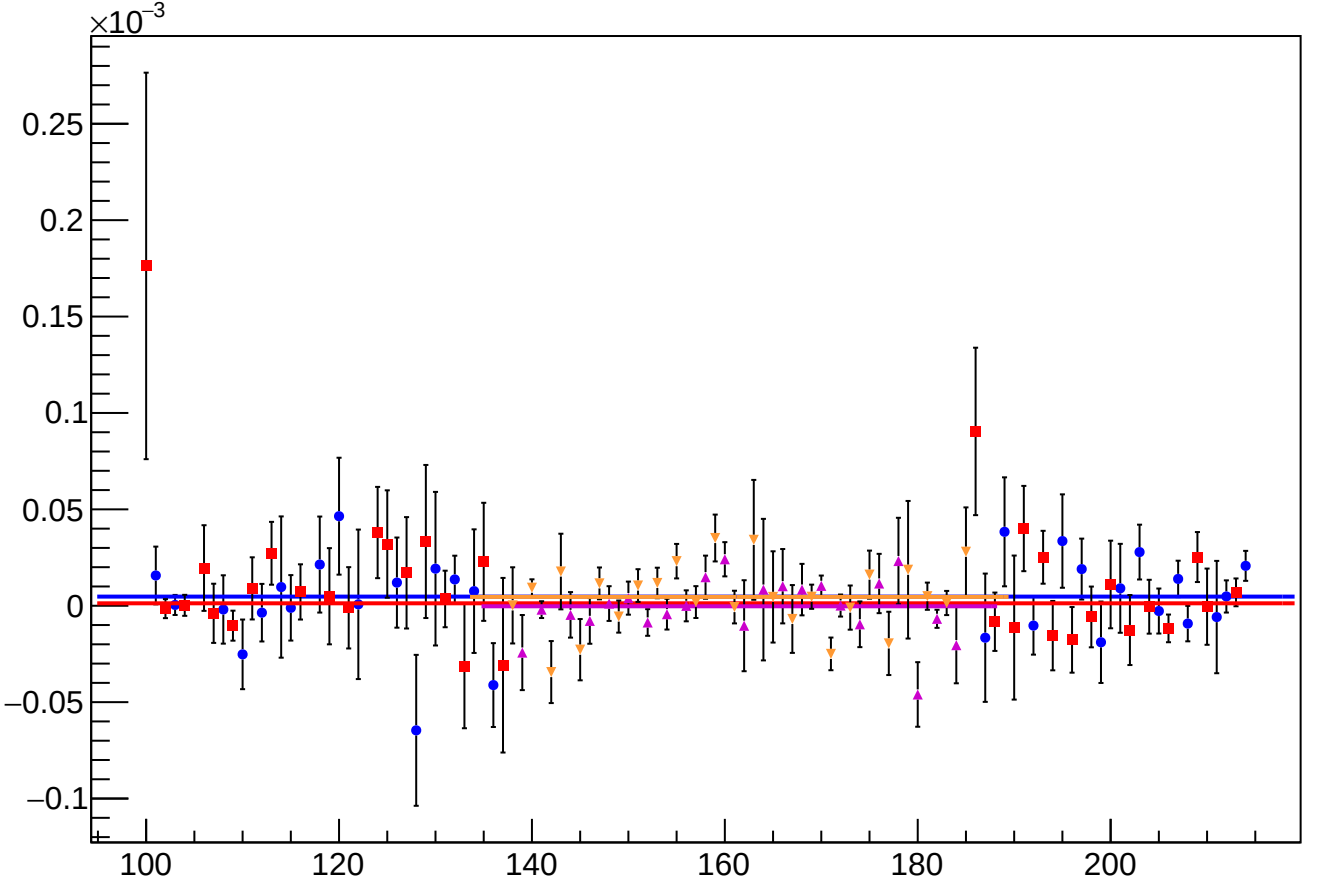
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 207.535+/-0.026 χ^2/NDF: 6886195.0/54

All: 205.530+/-0.018 χ^2/NDF: 14959717.8/11

- sign 203.518+/-0.026 χ^2/NDF: 8061360.4/56

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

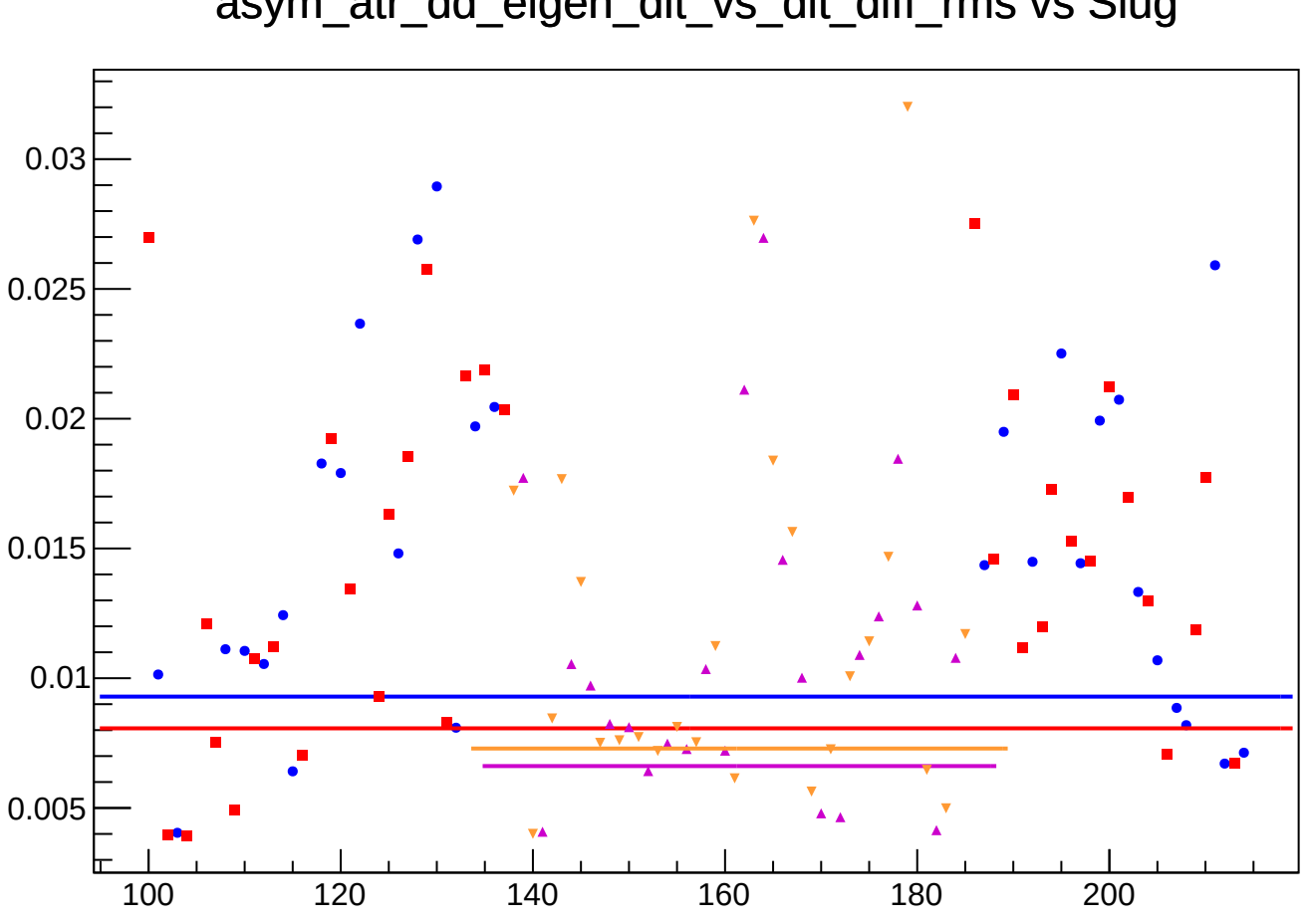
Right Out: 0.000+/-0.000 χ^2/NDF: 37.3/33

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/54

All: 0.000+/-0.000 χ^2/NDF: 148.8/111

- sign 0.000+/-0.000 χ^2/NDF: 68.8/56



Right In: 0.009+/-0.000 χ^2/NDF: 8197112.9/29

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 10015397.6/33

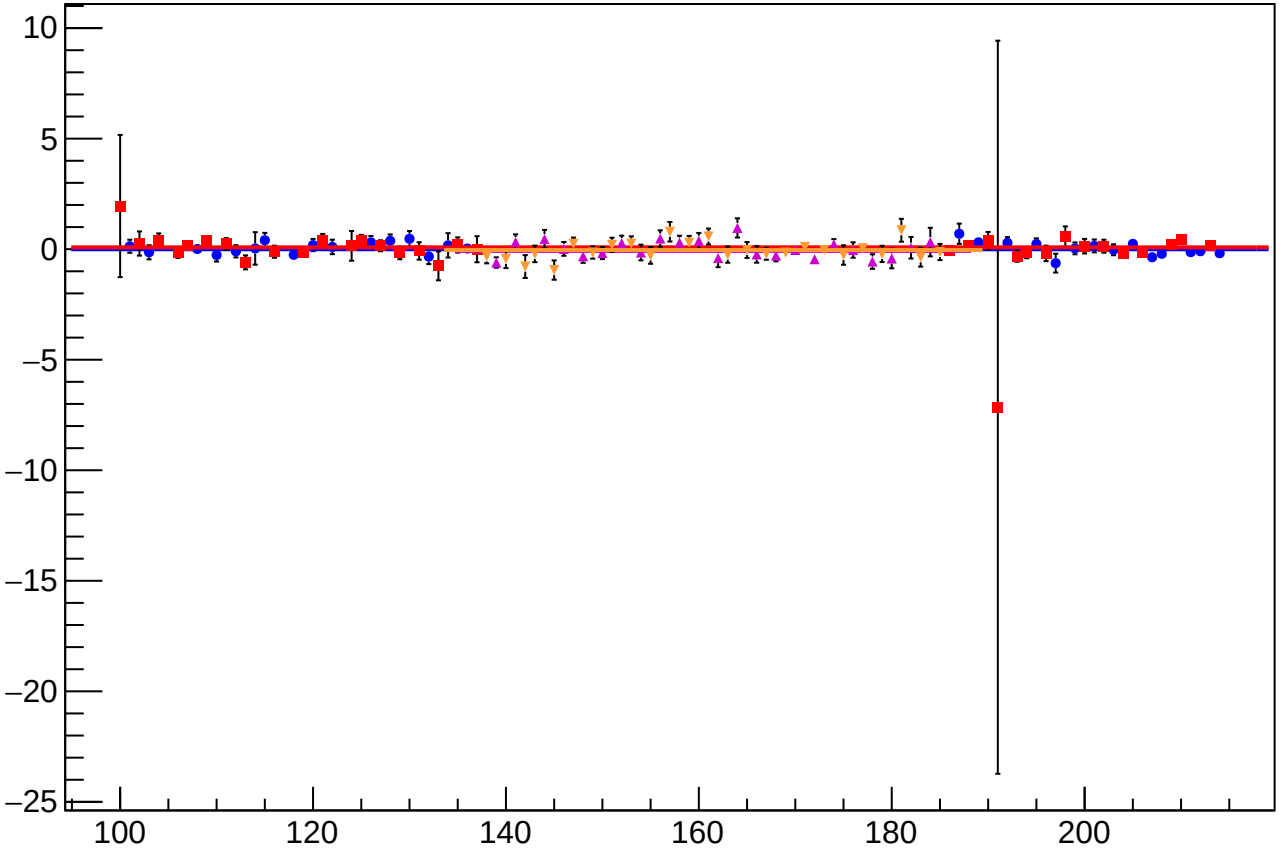
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 15775382.7/54

All: 0.008+/-0.000 χ^2/NDF: 33033837.3/111

- sign 0.007+/-0.000 χ^2/NDF: 16950043.1/56

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.045 χ^2/NDF: 29.8/29

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.044 χ^2/NDF: 33.3/33

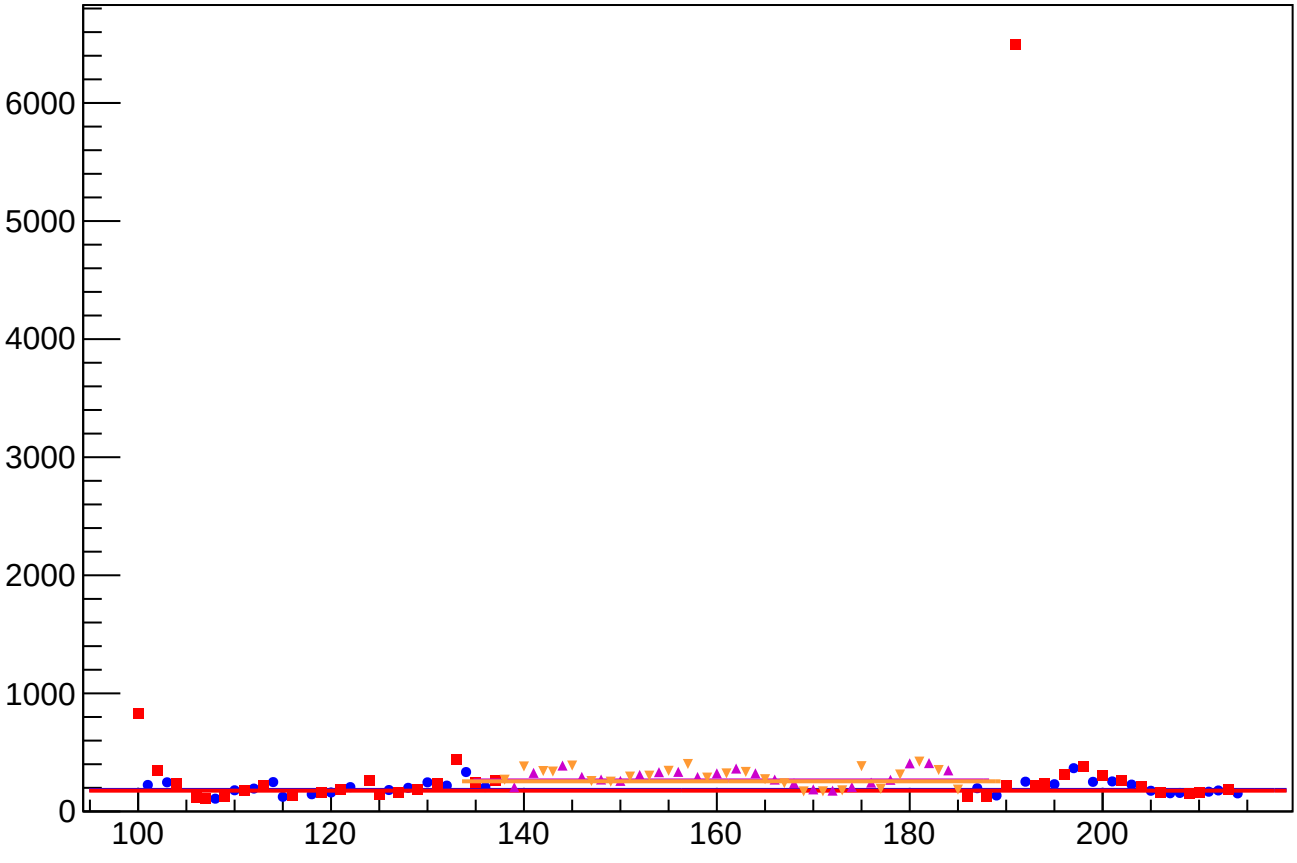
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.016+/-0.036 χ^2/NDF: 54.4/54

All: 0.009+/-0.026 χ^2/NDF: 124.0/111

- sign 0.033+/-0.036 χ^2/NDF: 68.6/56

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 182.289+/-0.032 χ^2/NDF: 2128420.3/29

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

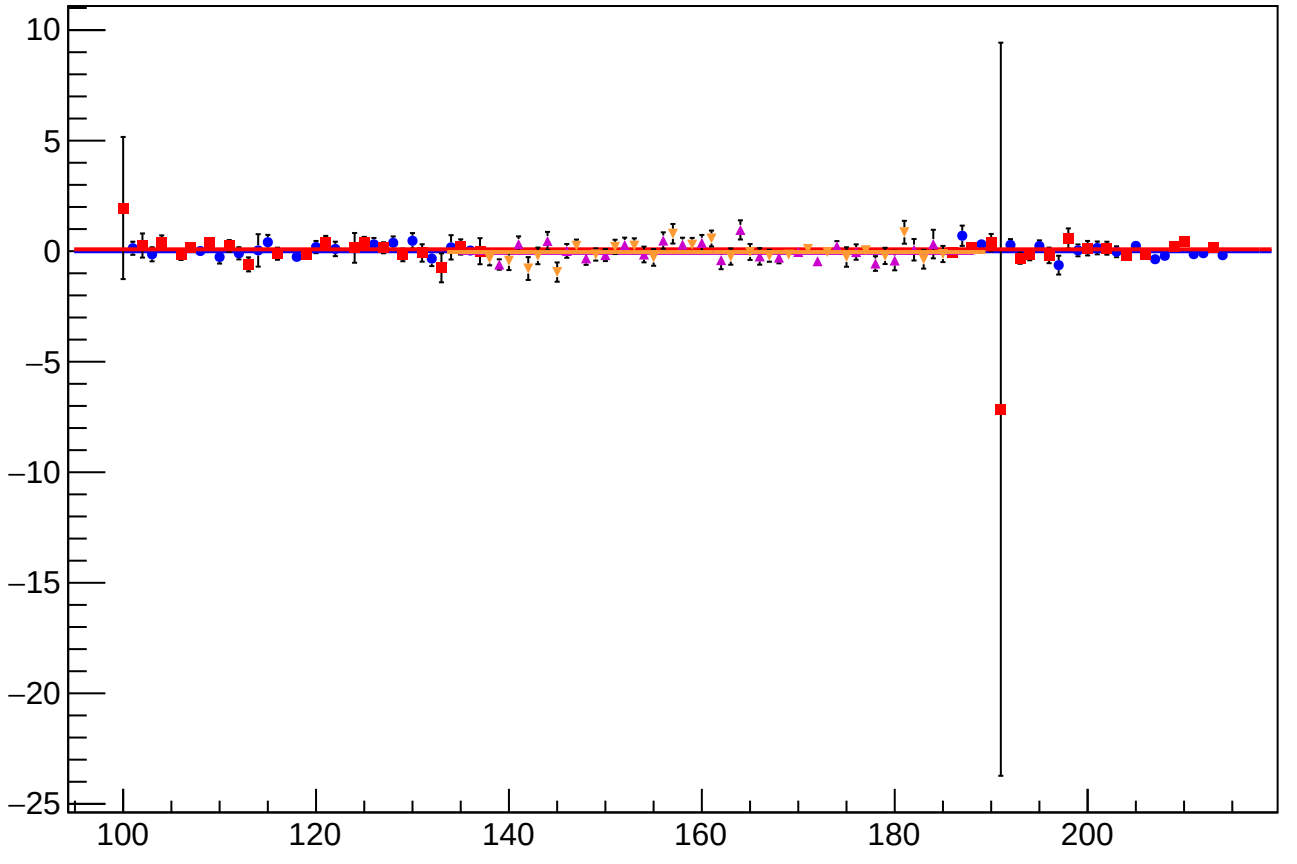
Right Out: 176.167+/-0.031 χ^2/NDF: 3597036.4/33

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 207.536+/-0.026 χ^2/NDF: 6886372.0/54

All: 205.531+/-0.018 χ^2/NDF: 14959934.3/11

- sign 203.519+/-0.026 χ^2/NDF: 8061404.6/56



Right In: -0.004+/-0.045 χ^2/NDF: 29.8/29

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.044 χ^2/NDF: 33.3/33

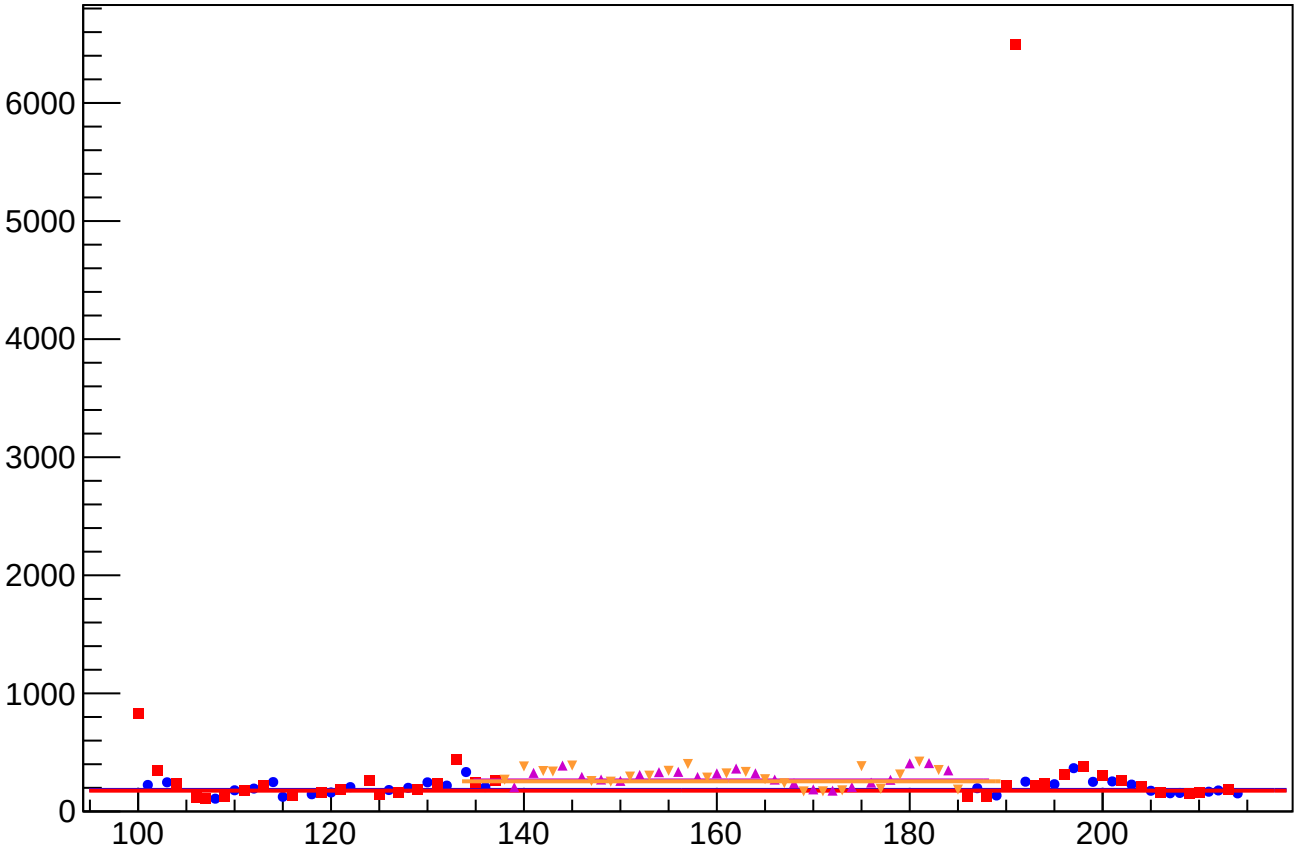
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign -0.016+/-0.036 χ^2/NDF: 54.4/54

All: 0.009+/-0.026 χ^2/NDF: 124.0/111

- sign 0.033+/-0.036 χ^2/NDF: 68.6/56

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.289+/-0.032 χ^2/NDF: 2128420.3/29

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

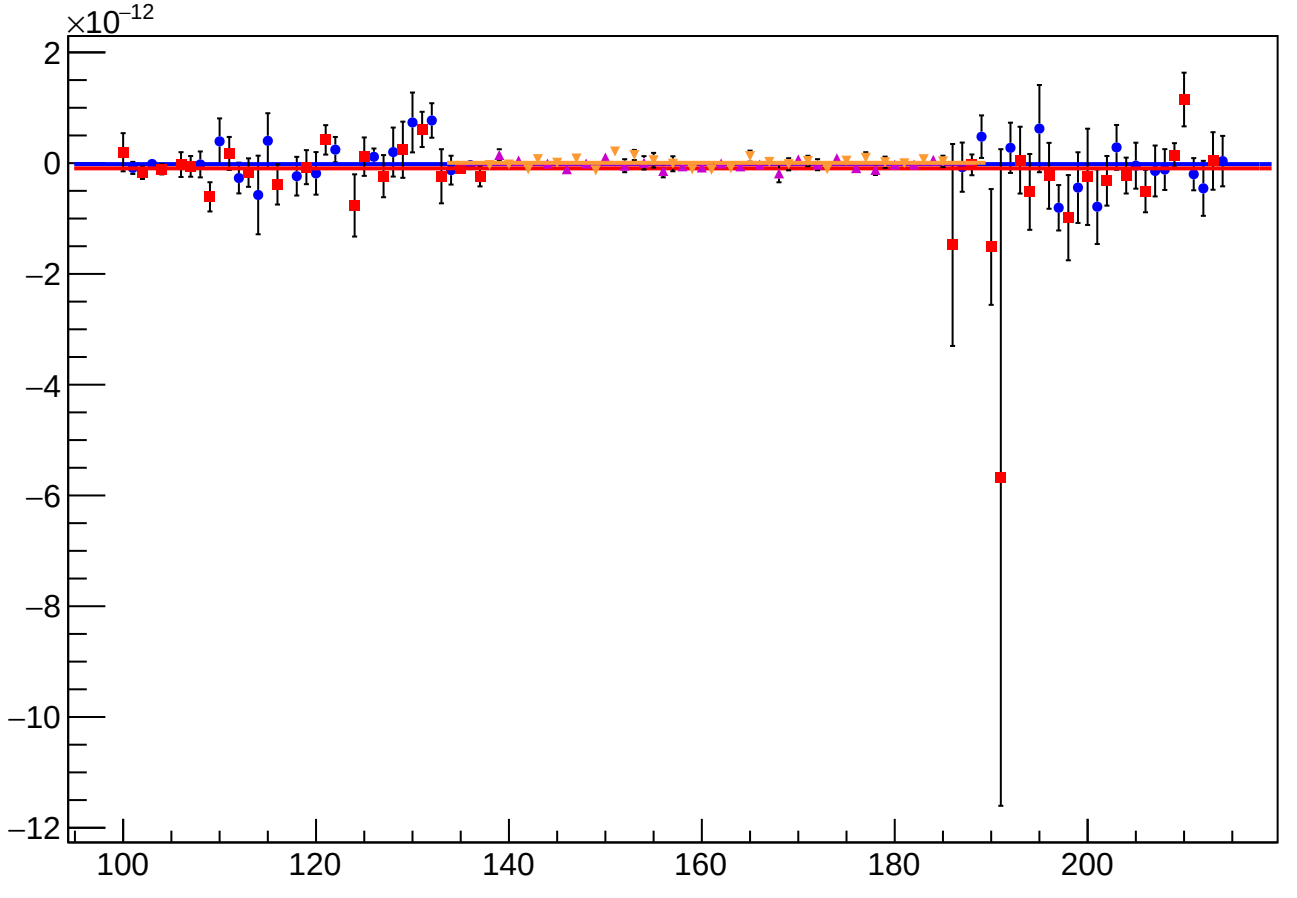
Right Out: 176.167+/-0.031 χ^2/NDF: 3597036.4/33

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 207.536+/-0.026 χ^2/NDF: 6886372.0/54

All: 205.531+/-0.018 χ^2/NDF: 14959934.3/11

- sign 203.519+/-0.026 χ^2/NDF: 8061404.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 25.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

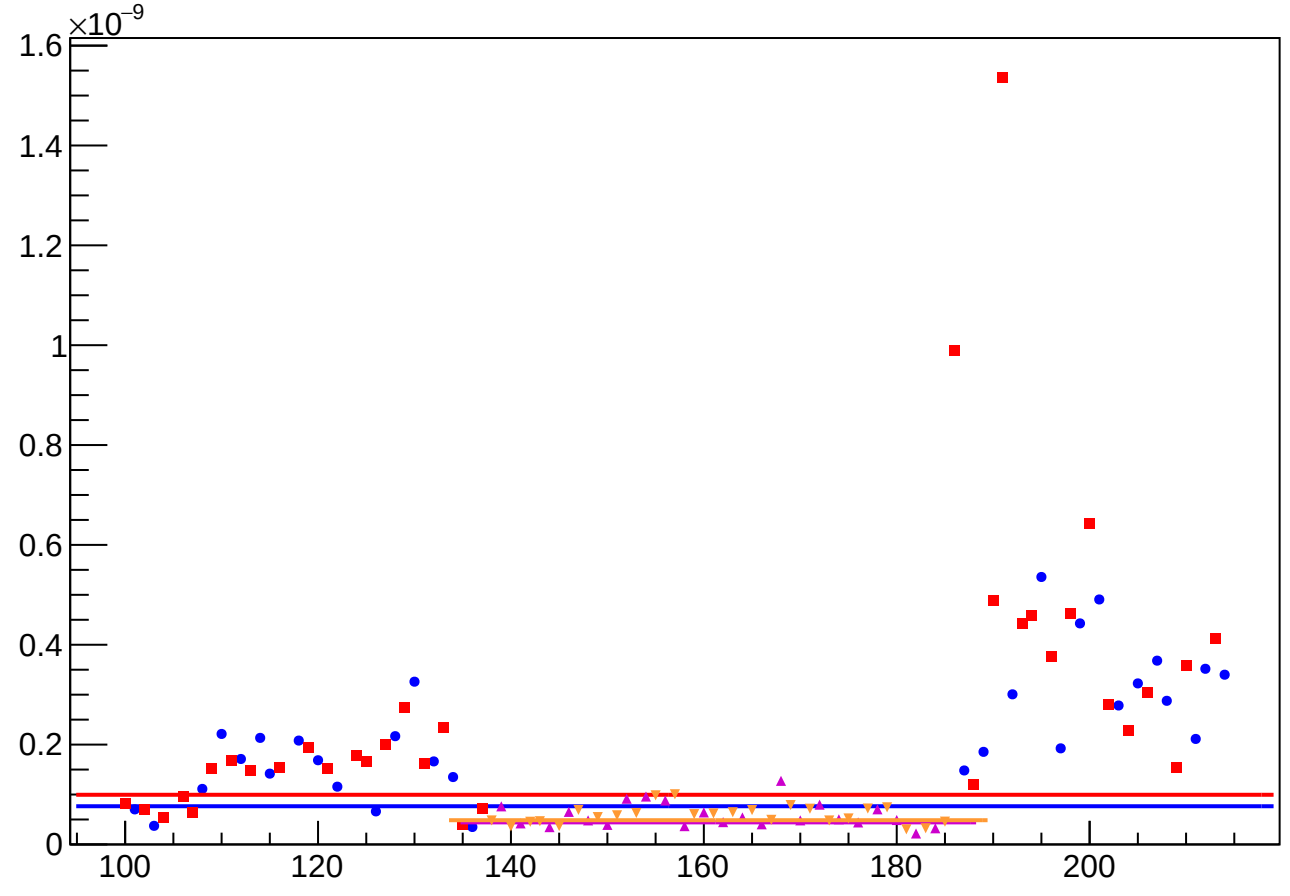
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/33

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/54

All: -0.000+/-0.000 χ^2/NDF: 116.0/111

- sign -0.000+/-0.000 χ^2/NDF: 58.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 11216011.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9621088.8/33

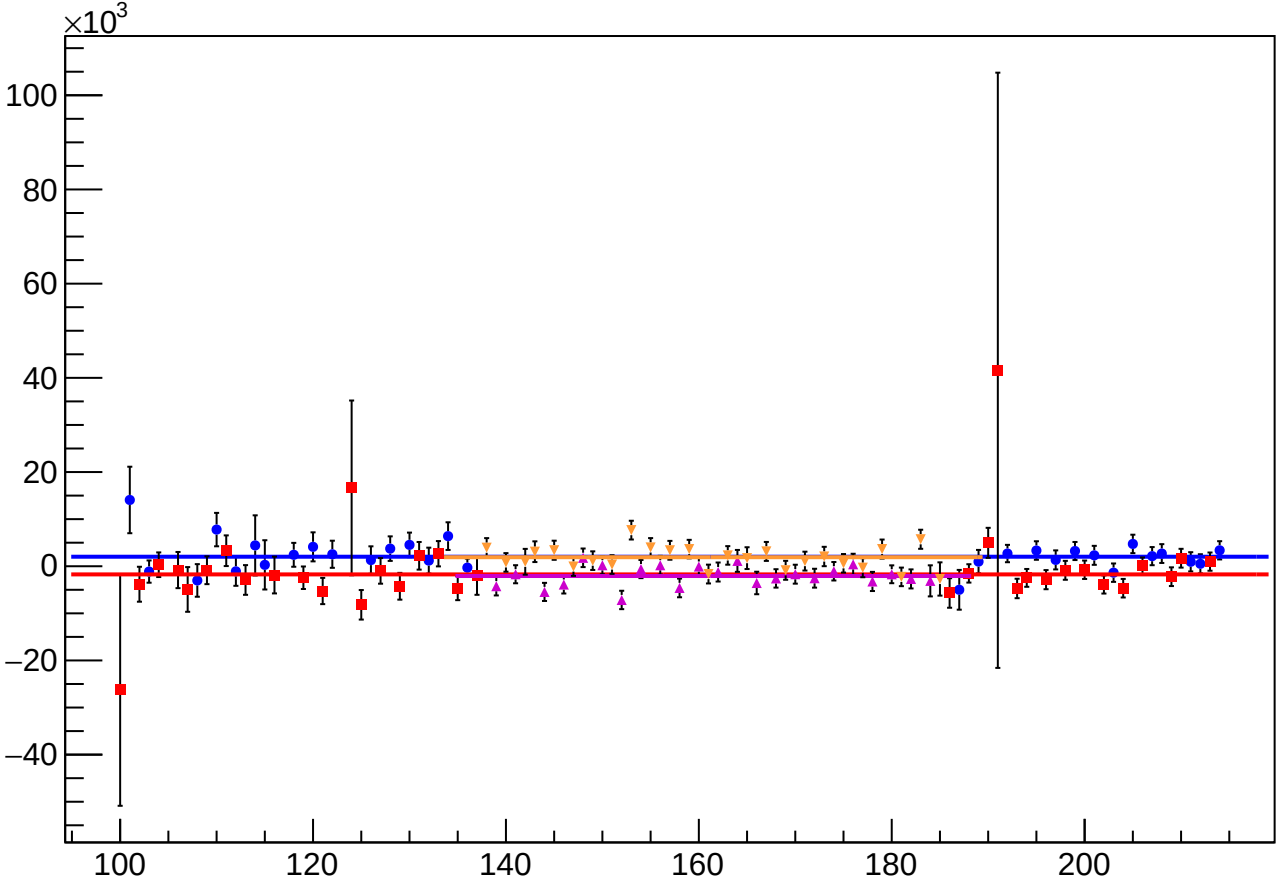
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

\+ sign 0.000+/-0.000 χ^2/NDF: 14879576.6/54

All: 0.000+/-0.000 χ^2/NDF: 31719032.3/111

\- sign 0.000+/-0.000 χ^2/NDF: 16804735.7/56

reg_asym_at1_avg_mean vs Slug



Right In: 2023.179+/-439.725 χ^2/NDF: 26.9/29

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1731.516+/-439.389 χ^2/NDF: 37.5/33

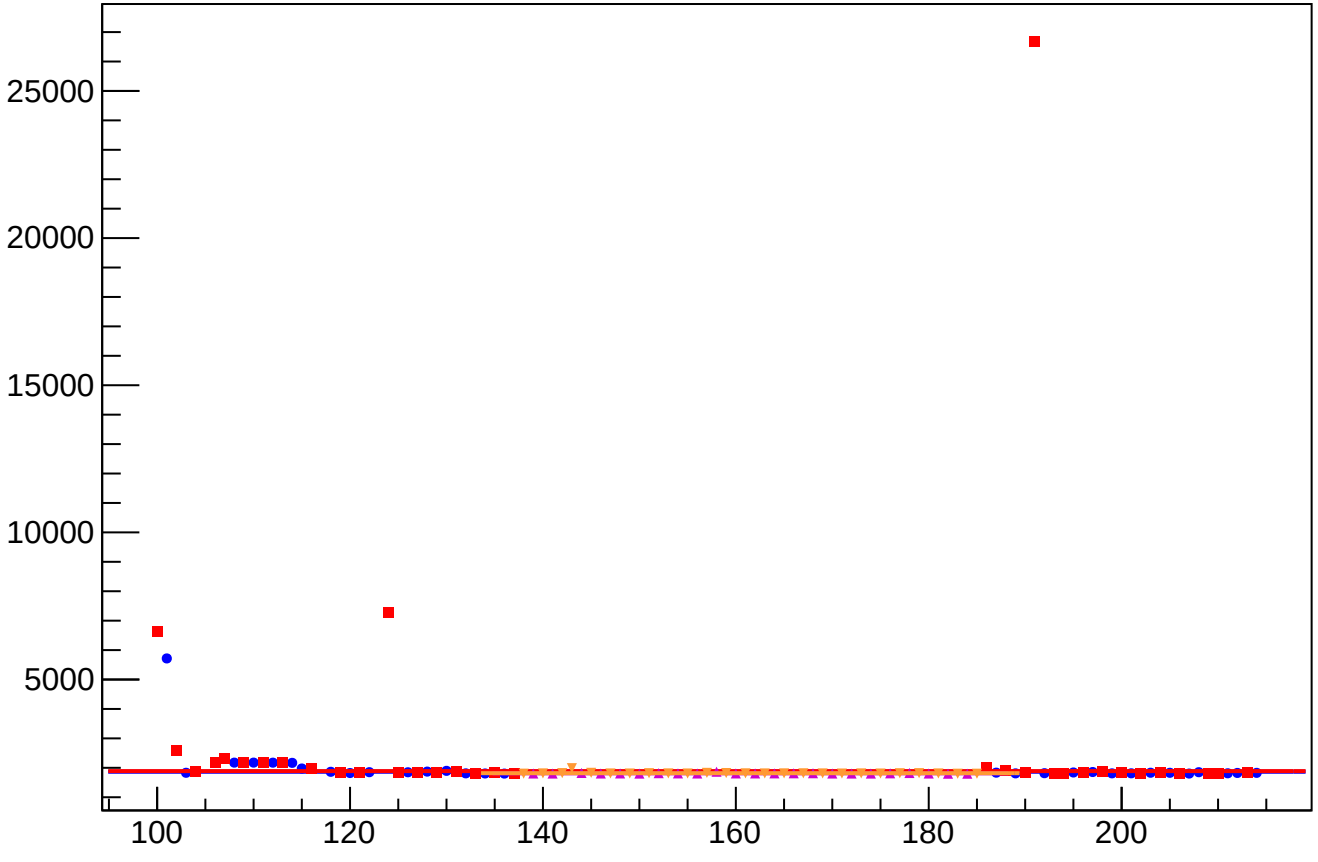
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1968.680+/-301.007 χ^2/NDF: 59.4/54

All: 54.048+/-214.176 χ^2/NDF: 205.7/111

- sign -1909.289+/-304.811 χ^2/NDF: 64.3/56

reg_asym_at1_avg_rms vs Slug



Right In: 1865.907+/-0.311 χ^2/NDF: 668843.9/29

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

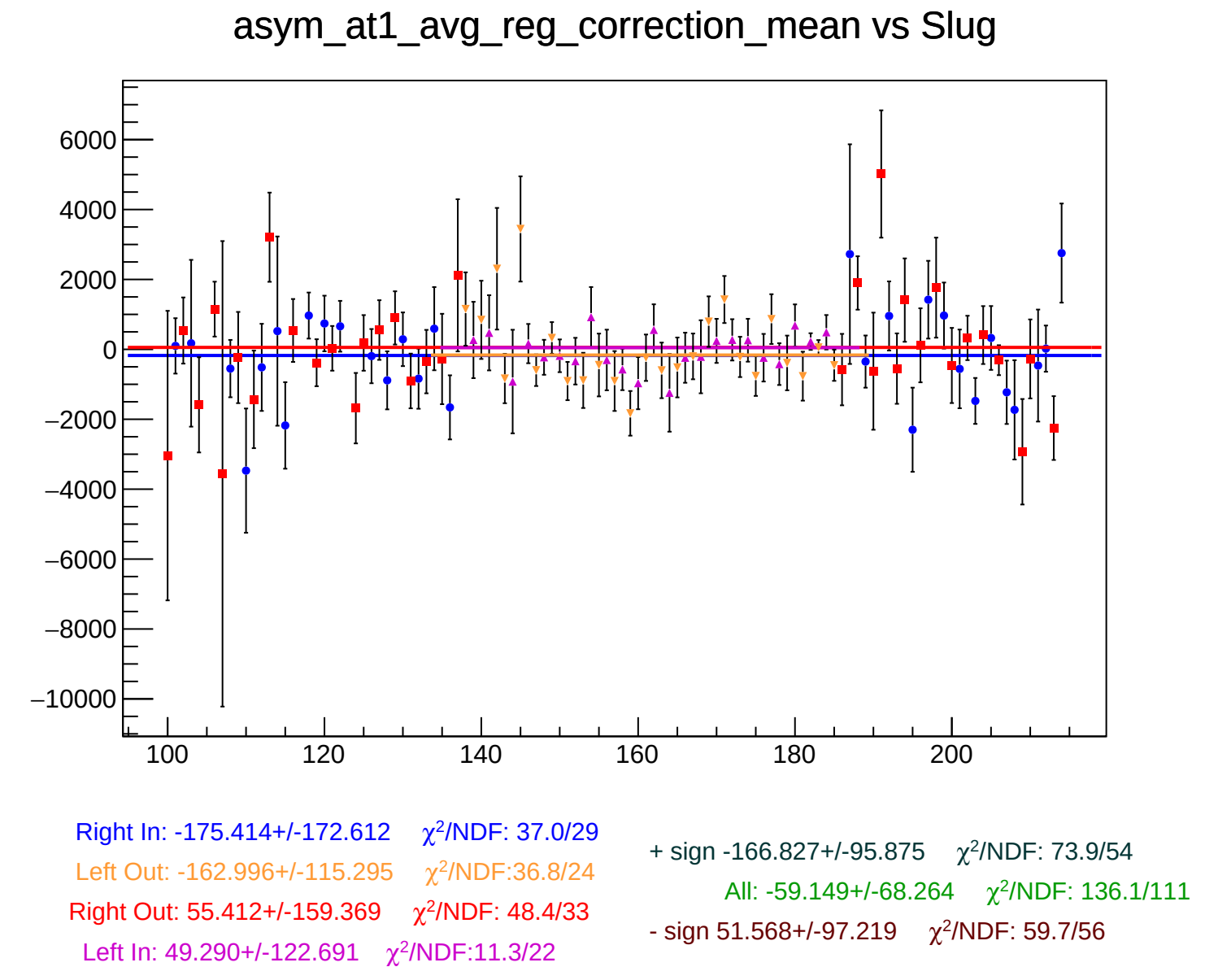
Right Out: 1887.988+/-0.311 χ^2/NDF: 741337.7/33

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

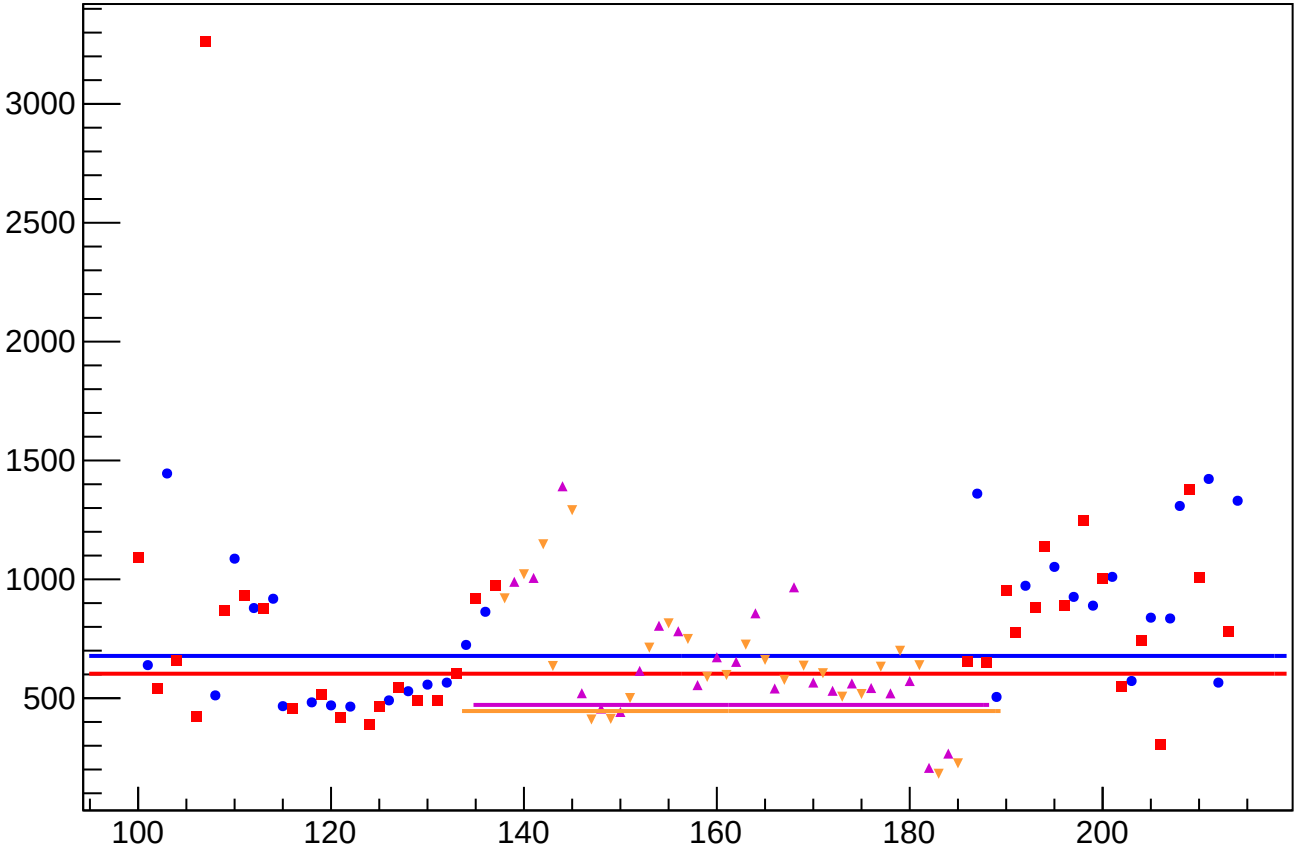
+ sign 1840.196+/-0.213 χ^2/NDF: 694666.4/54

All: 1844.469+/-0.151 χ^2/NDF: 1469420.8/11

- sign 1848.851+/-0.216 χ^2/NDF: 773937.9/56


asym_at1_avg_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -175.414+/-172.612 χ²/NDF: 37.0/29
Left Out: -162.996+/-115.295 χ²/NDF:36.8/24
Right Out: 55.412+/-159.369 χ²/NDF: 48.4/33
Left In: 49.290+/-122.691 χ²/NDF:11.3/22
+ sign -166.827+/-95.875 χ²/NDF: 73.9/54
All: -59.149+/-68.264 χ²/NDF: 136.1/111
- sign 51.568+/-97.219 χ²/NDF: 59.7/56

asym_at1_avg_reg_correction_rms vs Slug



Right In: 677.823+/-0.122 χ^2/NDF: 3789012.9/29

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 602.976+/-0.113 χ^2/NDF: 4812403.0/33

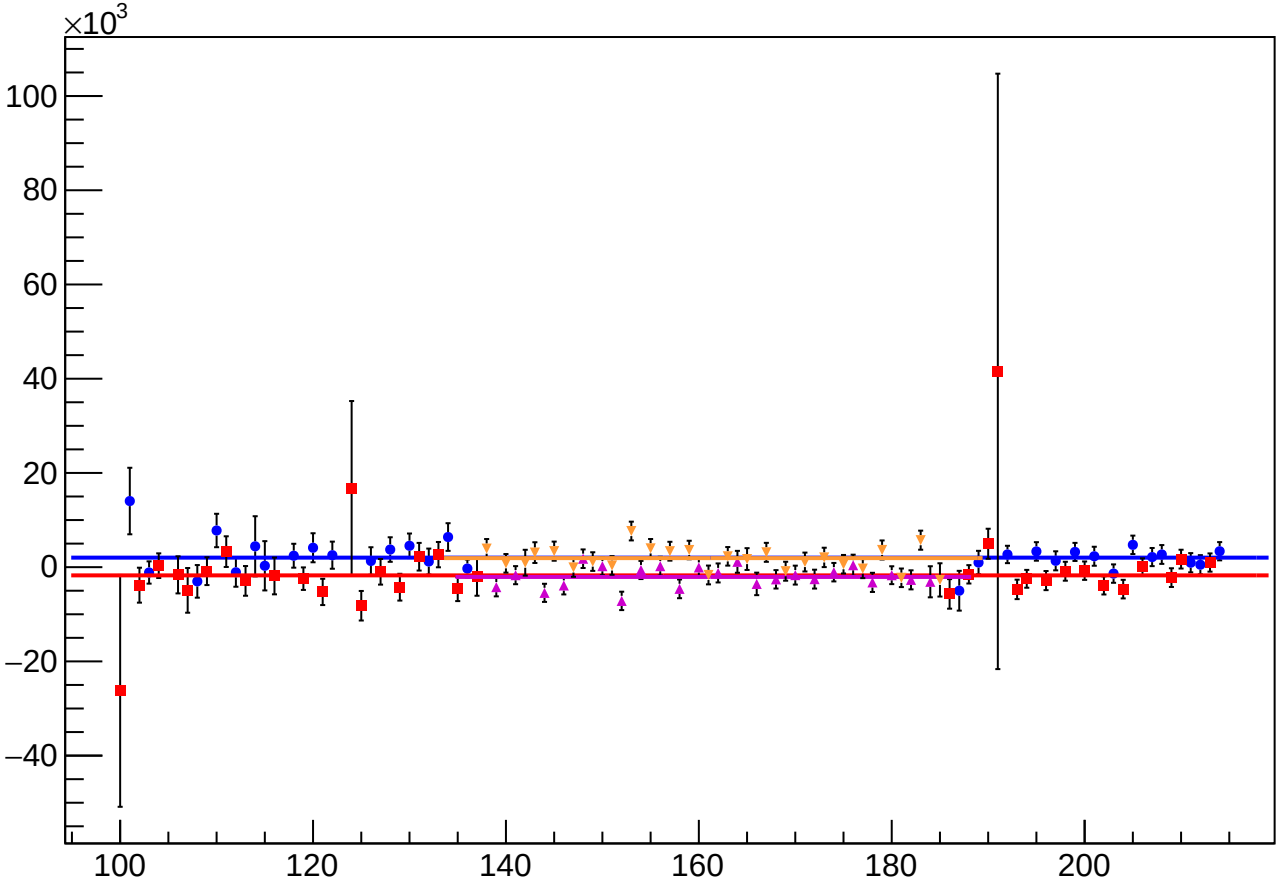
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 517.446+/-0.068 χ^2/NDF: 14268300.4/54

All: 518.991+/-0.048 χ^2/NDF: 26347116.3/11

- sign 520.580+/-0.069 χ^2/NDF: 12077762.0/56

cor_asym_at1_avg_mean vs Slug



Right In: 2023.077+/-439.725 χ^2/NDF: 26.9/29

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1742.441+/-439.527 χ^2/NDF: 37.4/33

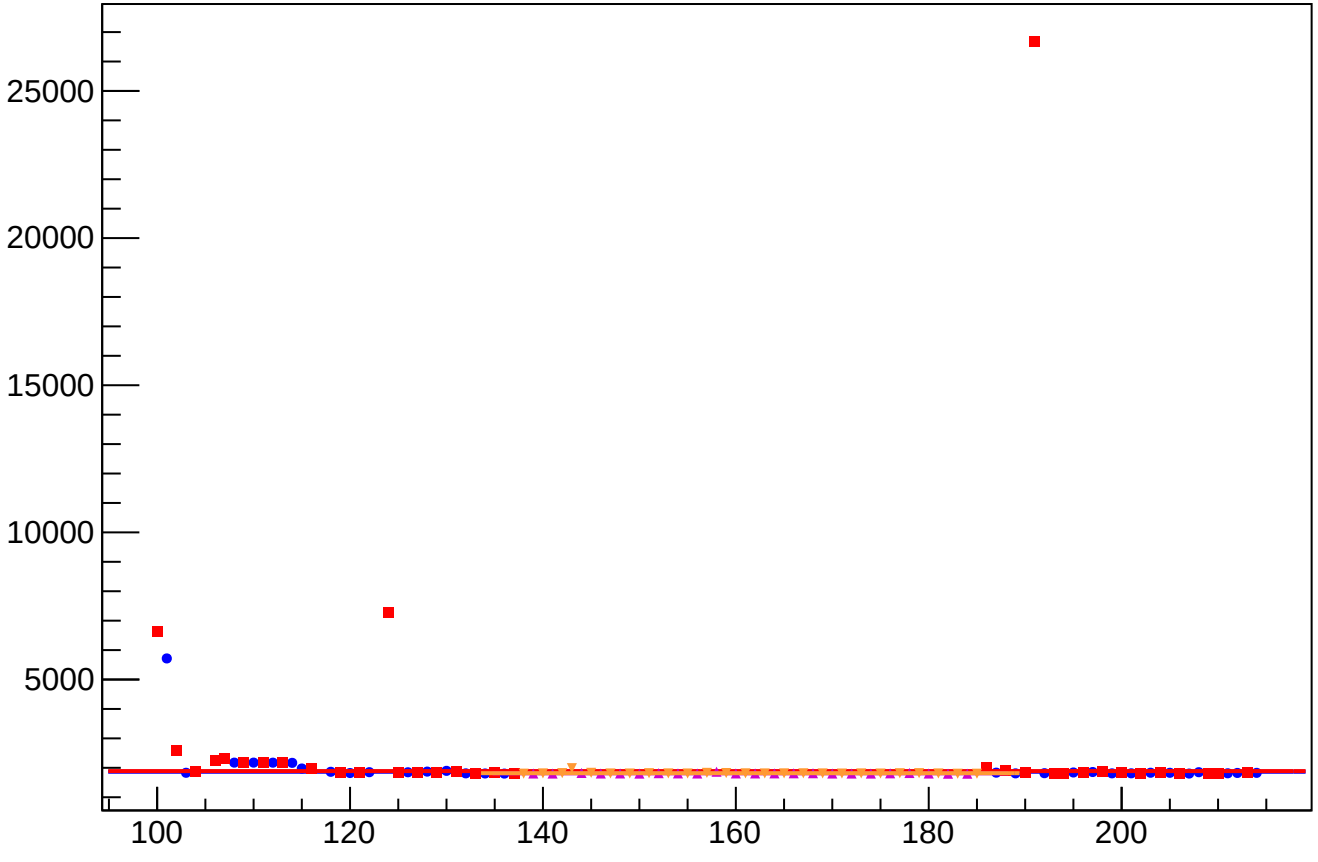
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1968.613+/-301.007 χ^2/NDF: 59.4/54

All: 51.659+/-214.192 χ^2/NDF: 205.8/111

- sign -1914.650+/-304.857 χ^2/NDF: 64.3/56

cor_asym_at1_avg_rms vs Slug



Right In: 1865.907+/-0.311 χ^2/NDF: 668843.8/29

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1888.431+/-0.311 χ^2/NDF: 745059.6/33

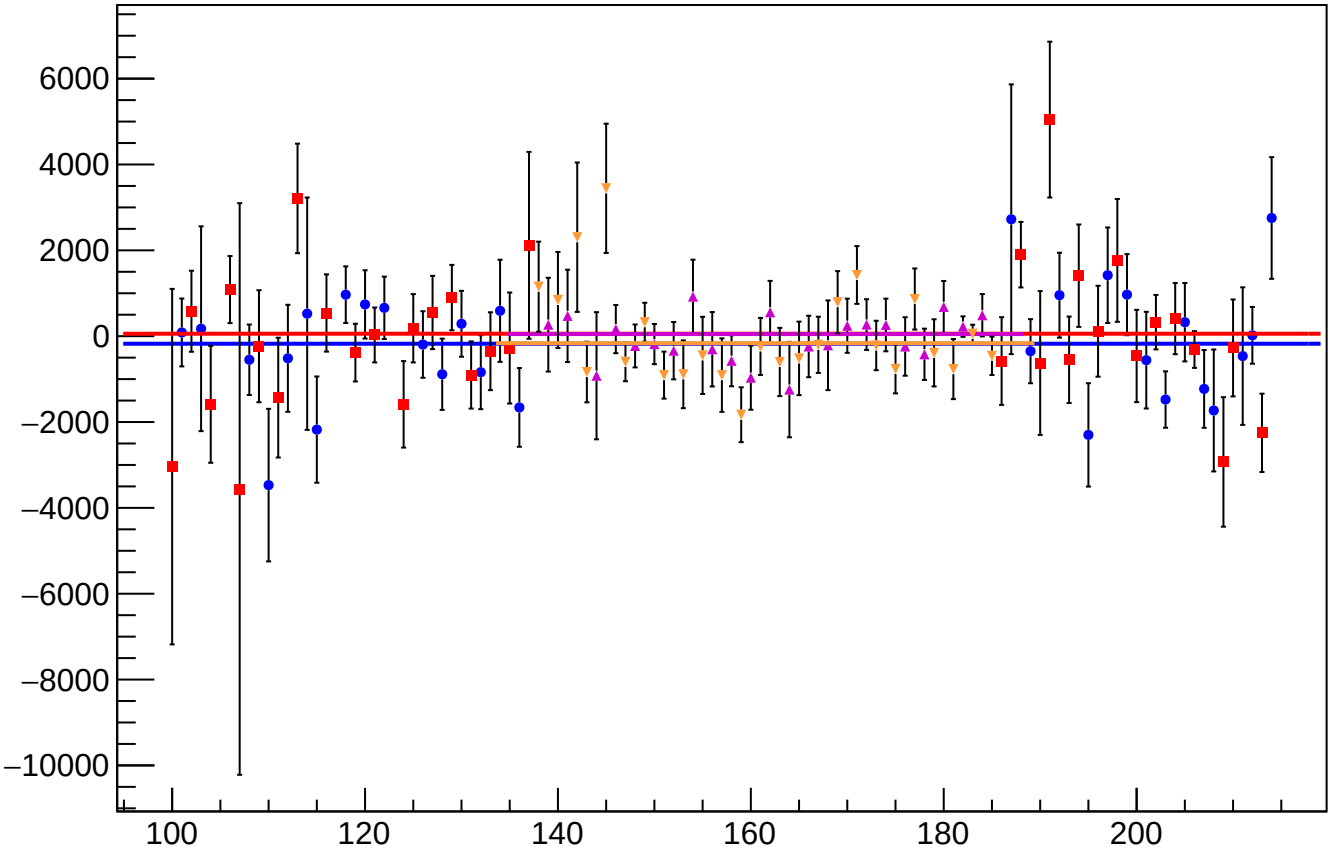
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1840.196+/-0.213 χ^2/NDF: 694666.3/54

All: 1844.568+/-0.151 χ^2/NDF: 1473530.6/11

- sign 1849.052+/-0.216 χ^2/NDF: 778009.5/56

asym_at1_avg_cor_correction_mean vs Slug



Right In: -175.890+/-172.592 χ^2/NDF: 37.0/29

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 57.198+/-159.312 χ^2/NDF: 48.0/33

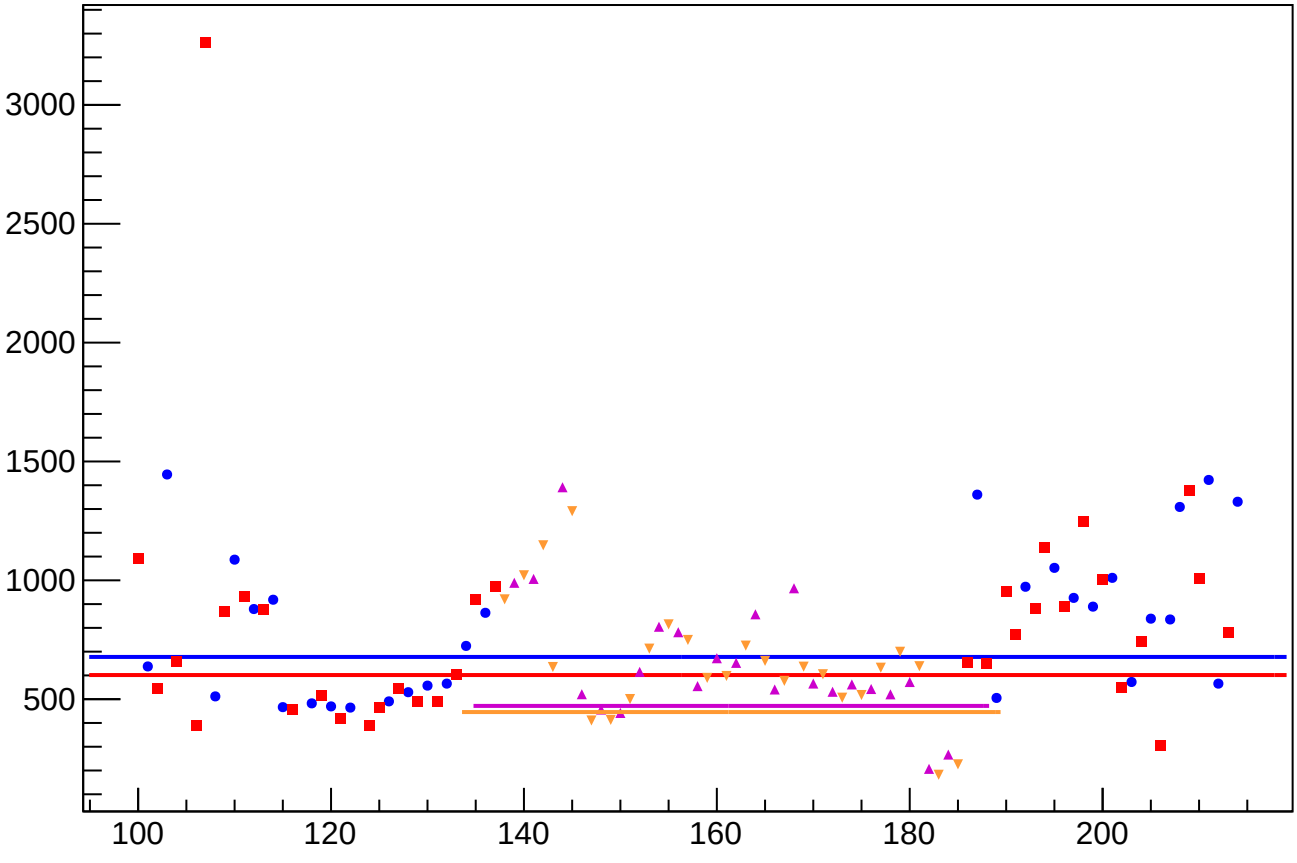
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -166.916+/-95.869 χ^2/NDF: 73.9/54

All: -58.853+/-68.258 χ^2/NDF: 135.8/111

- sign 52.246+/-97.207 χ^2/NDF: 59.4/56

asym_at1_avg_cor_correction_rms vs Slug



Right In: 677.749+/-0.122 χ^2/NDF: 3789463.3/29

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

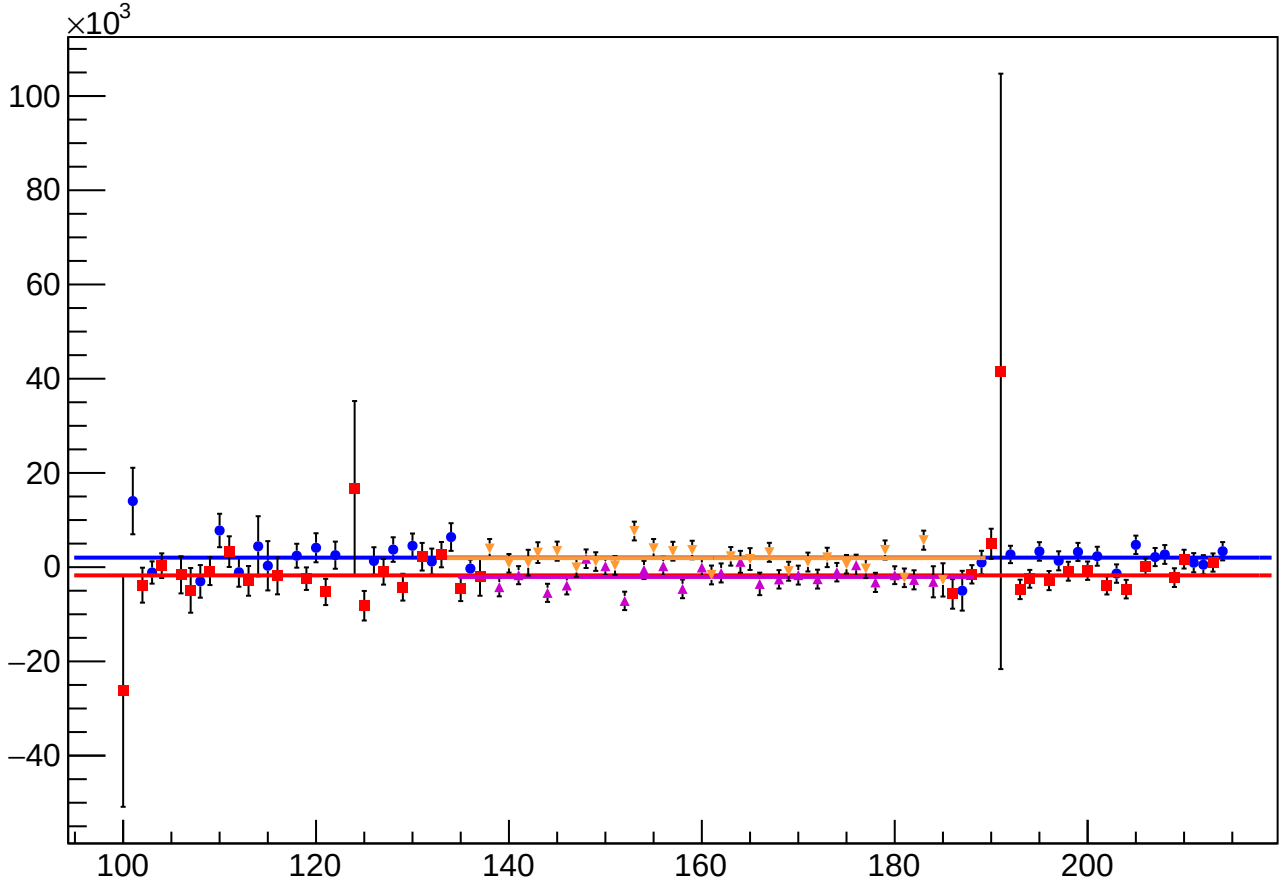
Right Out: 601.576+/-0.113 χ^2/NDF: 4856251.7/33

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 517.413+/-0.068 χ^2/NDF: 14269589.6/54

All: 518.733+/-0.048 χ^2/NDF: 26373896.7/11

- sign 520.089+/-0.069 χ^2/NDF: 12103538.7/56



Right In: 2023.077+/-439.725 χ^2/NDF: 26.9/29

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1742.441+/-439.527 χ^2/NDF: 37.4/33

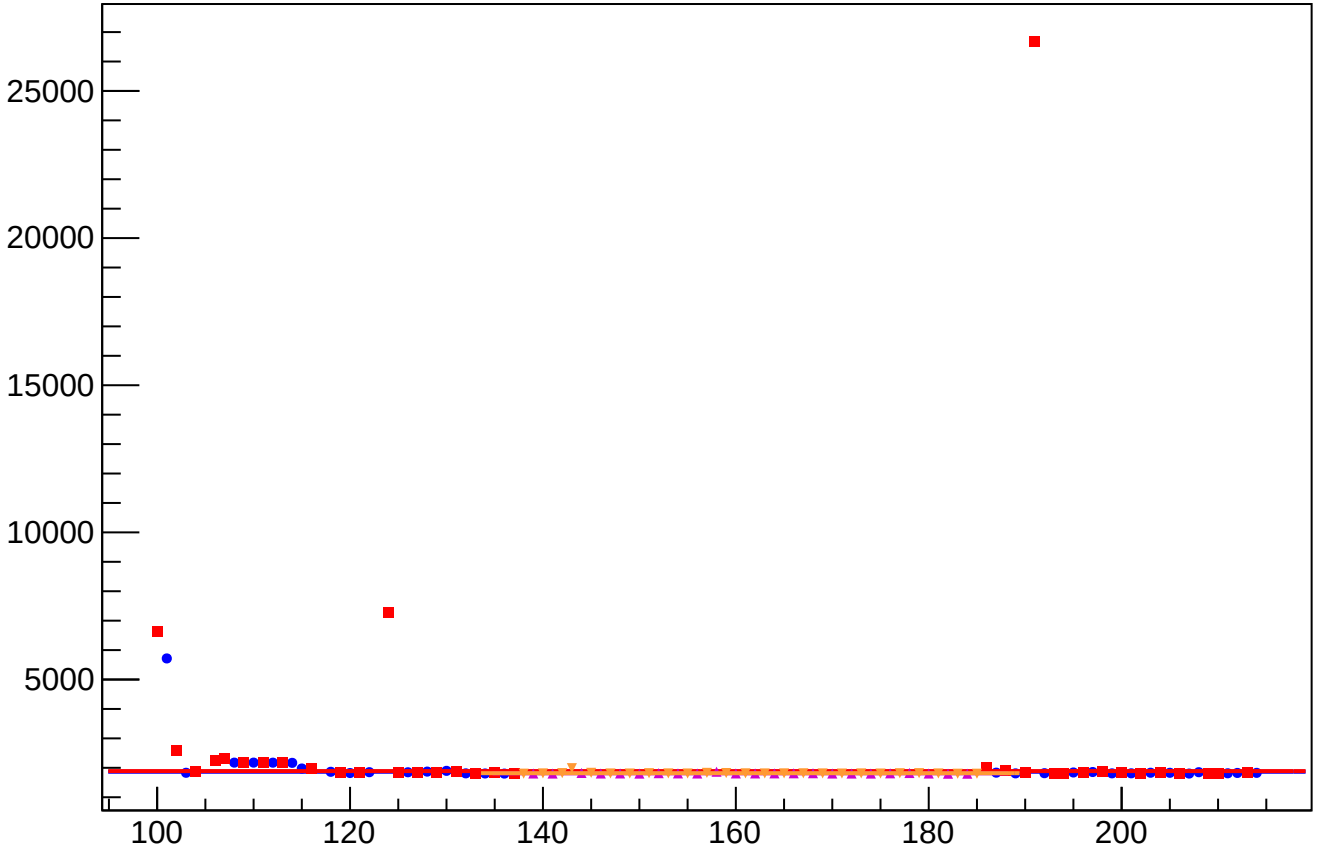
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1968.613+/-301.007 χ^2/NDF: 59.4/54

All: 51.659+/-214.192 χ^2/NDF: 205.8/111

- sign -1914.650+/-304.857 χ^2/NDF: 64.3/56

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1865.907+/-0.311 χ^2/NDF: 668843.8/29

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1888.431+/-0.311 χ^2/NDF: 745059.6/33

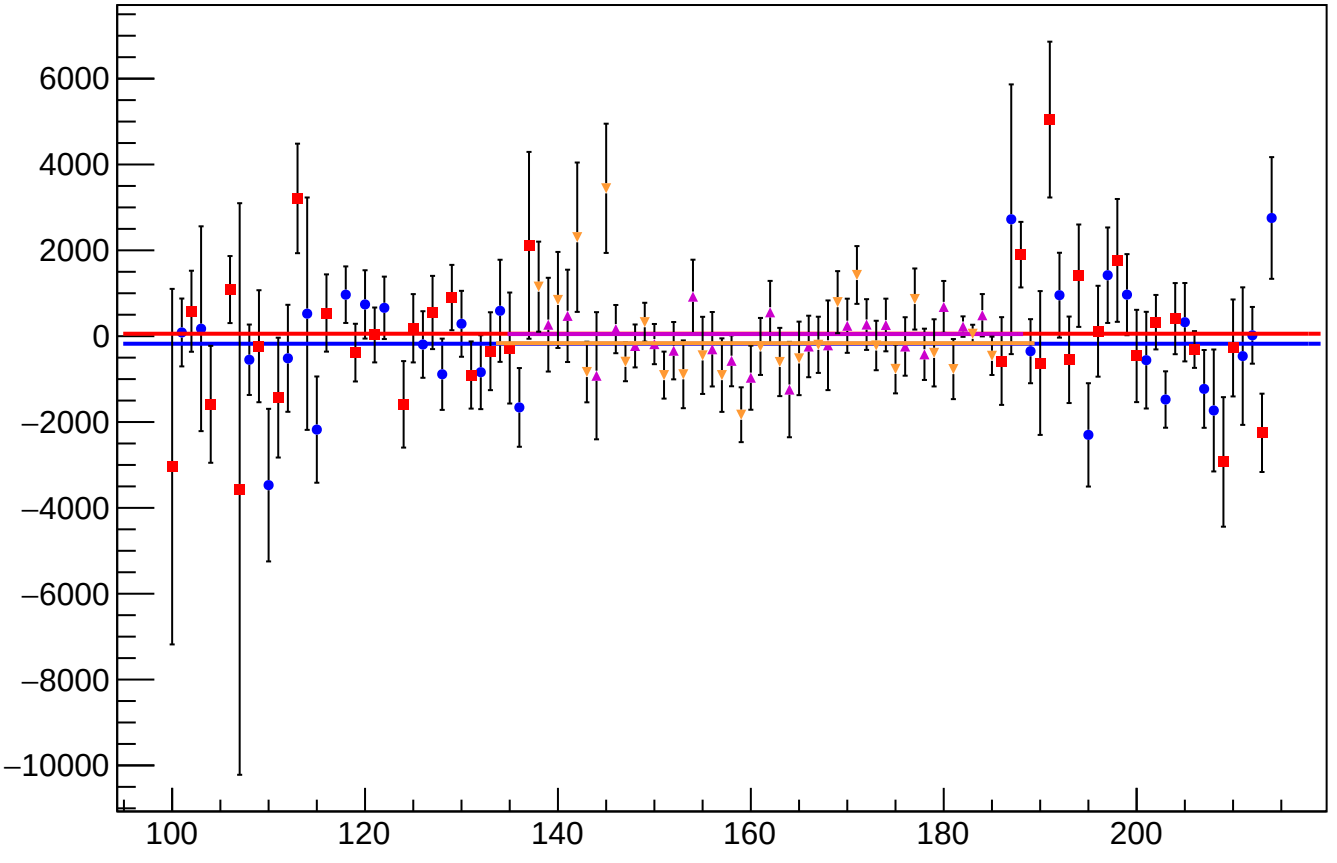
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1840.196+/-0.213 χ^2/NDF: 694666.3/54

All: 1844.568+/-0.151 χ^2/NDF: 1473530.6/11

- sign 1849.052+/-0.216 χ^2/NDF: 778009.5/56

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -175.890+/-172.592 χ^2/NDF: 37.0/29

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 57.198+/-159.312 χ^2/NDF: 48.0/33

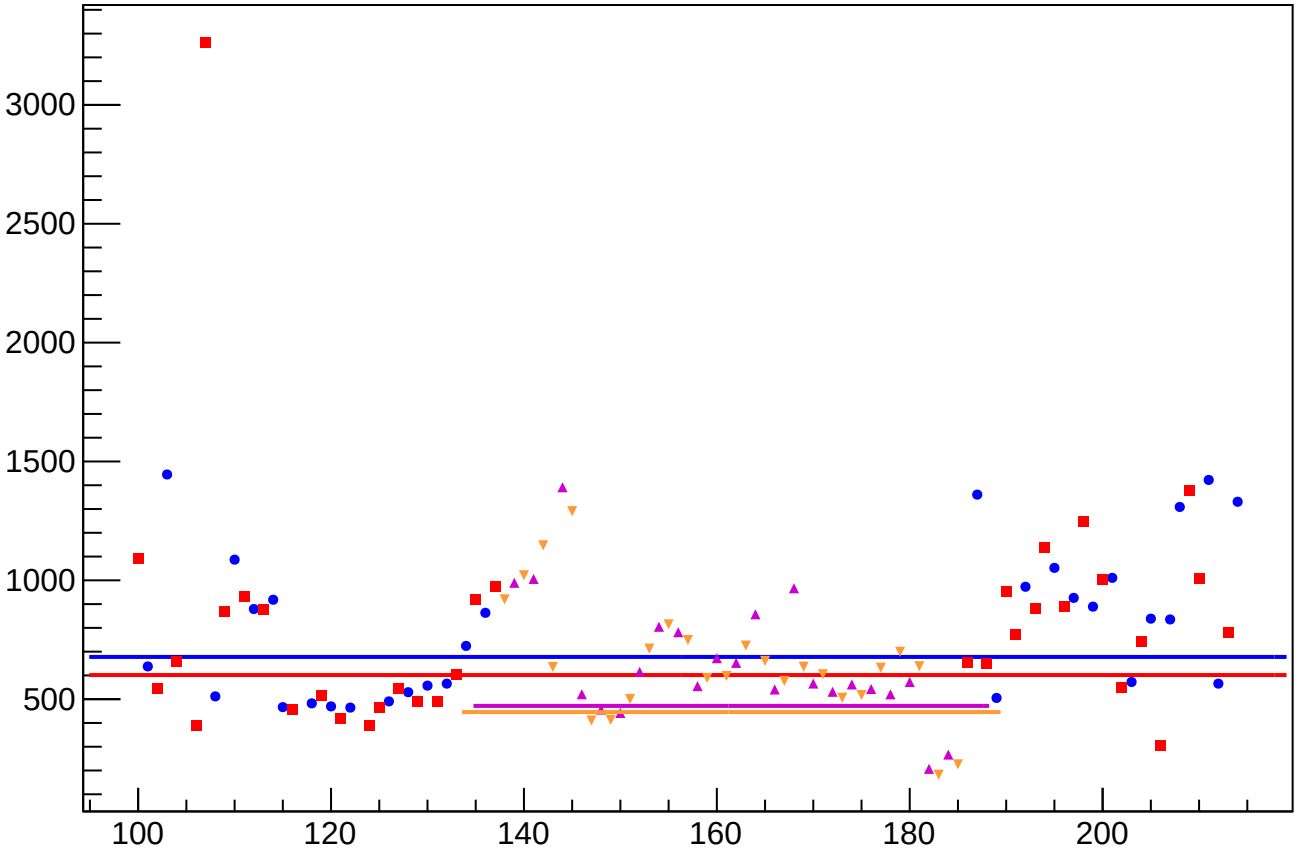
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -166.916+/-95.869 χ^2/NDF: 73.9/54

All: -58.853+/-68.258 χ^2/NDF: 135.8/111

- sign 52.246+/-97.207 χ^2/NDF: 59.4/56

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 677.749+/-0.122 χ^2/NDF: 3789463.3/29

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

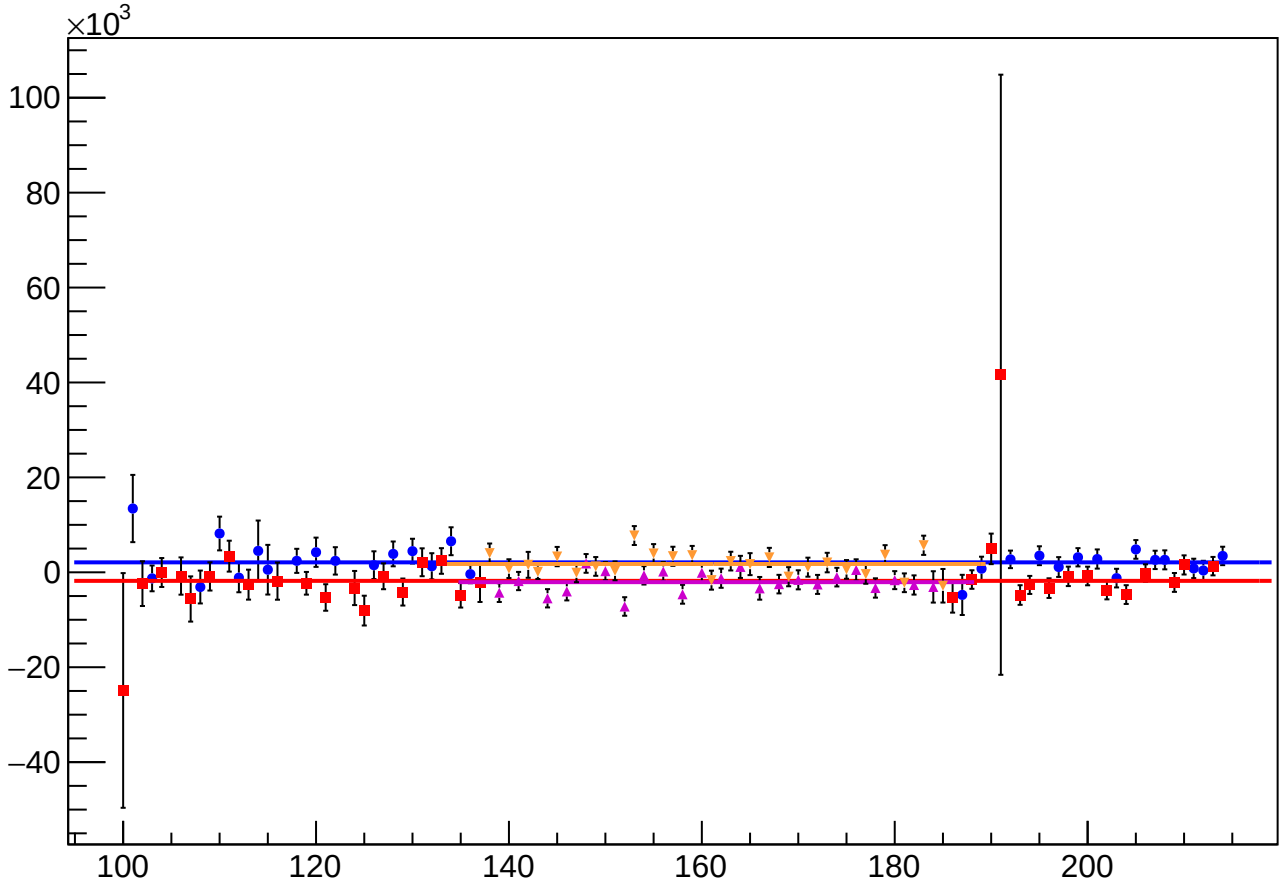
Right Out: 601.576+/-0.113 χ^2/NDF: 4856251.7/33

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 517.413+/-0.068 χ^2/NDF: 14269589.6/54

All: 518.733+/-0.048 χ^2/NDF: 26373896.7/11

- sign 520.089+/-0.069 χ^2/NDF: 12103538.7/56



Right In: 2096.490+/-443.759 χ^2/NDF: 27.2/29

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1802.102+/-441.891 χ^2/NDF: 35.6/33

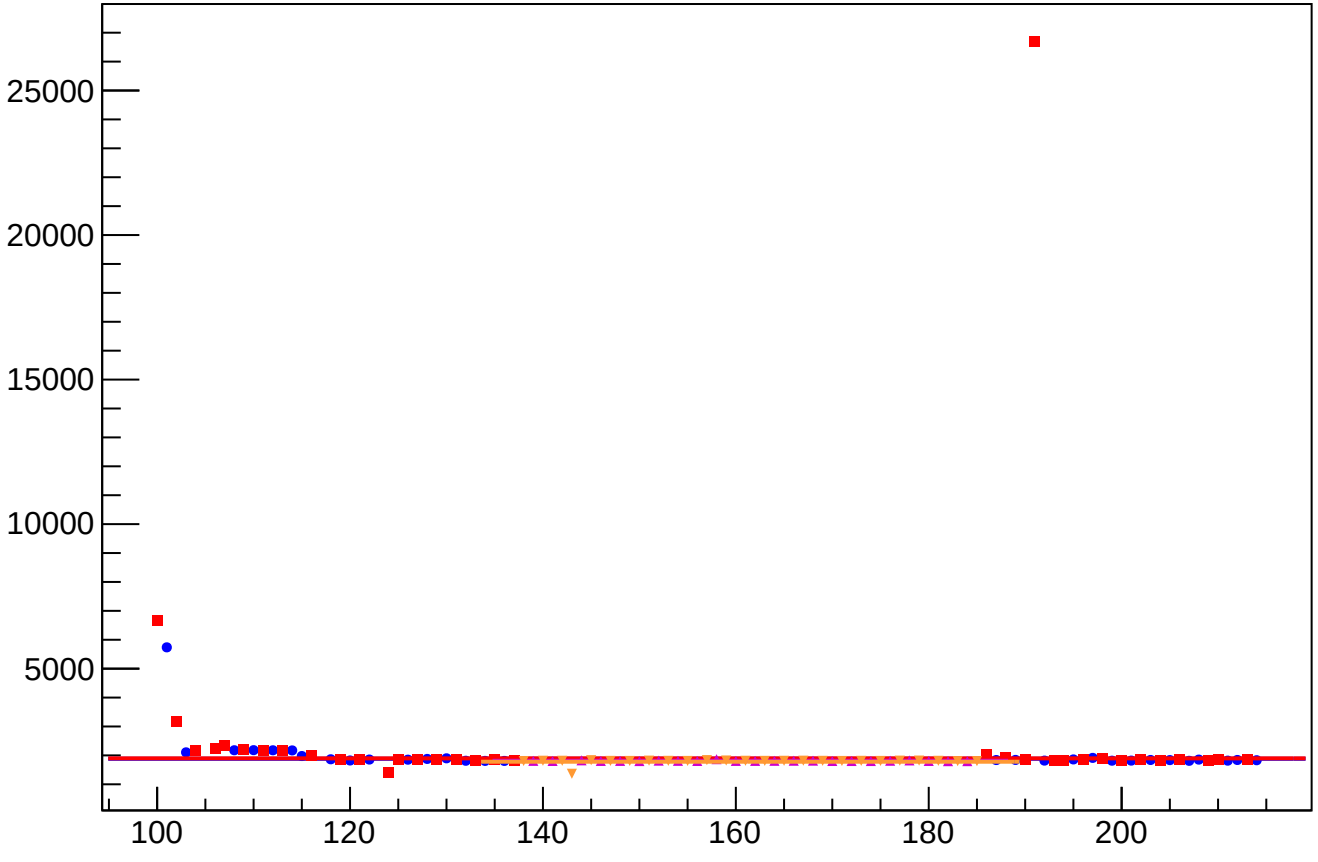
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1910.619+/-299.306 χ^2/NDF: 61.3/54

All: 24.991+/-213.904 χ^2/NDF: 205.2/111

- sign -1943.488+/-305.810 χ^2/NDF: 62.8/56

dit_asym_at1_avg_rms vs Slug



Right In: 1882.493+/-0.314 χ^2/NDF: 680804.5/29

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1897.302+/-0.312 χ^2/NDF: 698137.1/33

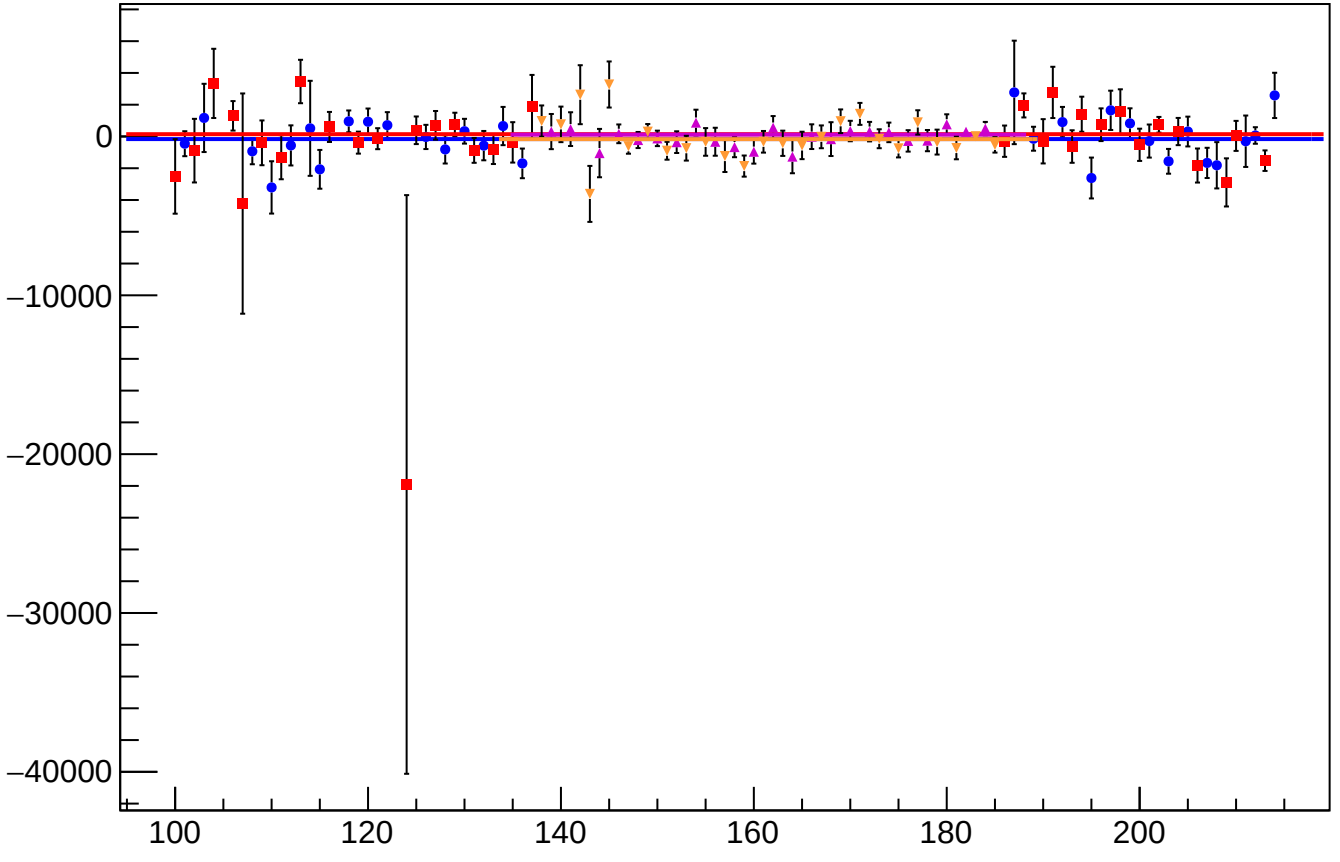
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1827.124+/-0.212 χ^2/NDF: 902864.1/54

All: 1840.333+/-0.151 χ^2/NDF: 1647706.6/11

- sign 1854.122+/-0.216 χ^2/NDF: 736880.8/56

asym_at1_avg_dit_correction_mean vs Slug



Right In: -164.145+/-174.133 χ^2/NDF: 37.3/29

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 143.093+/-168.795 χ^2/NDF: 48.0/33

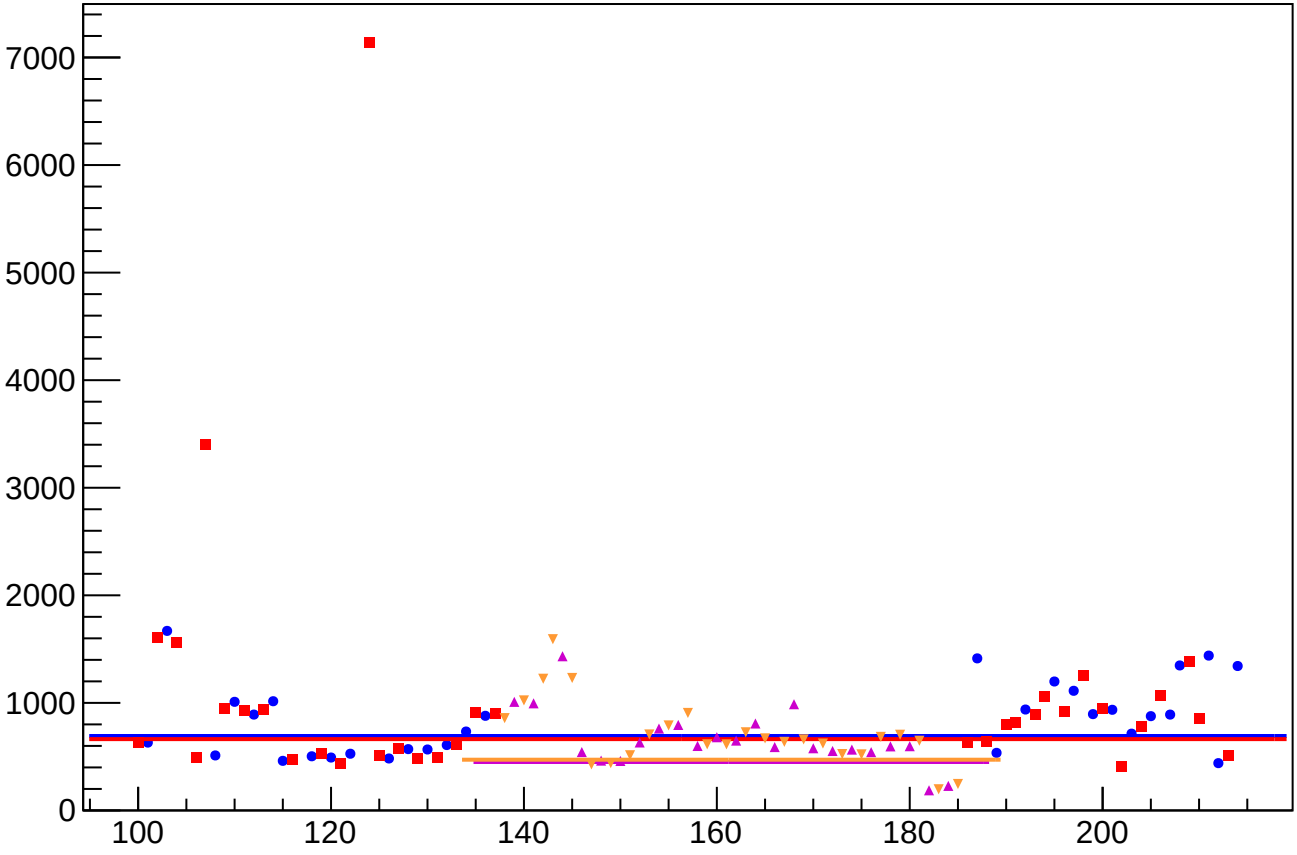
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -166.675+/-99.713 χ^2/NDF: 75.7/54

All: -17.385+/-69.778 χ^2/NDF: 140.4/111

- sign 125.878+/-97.680 χ^2/NDF: 60.3/56

asym_at1_avg_dit_correction_rms vs Slug



Right In: 692.078+/-0.123 χ^2/NDF: 4375215.8/29

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 663.192+/-0.119 χ^2/NDF: 4999310.5/33

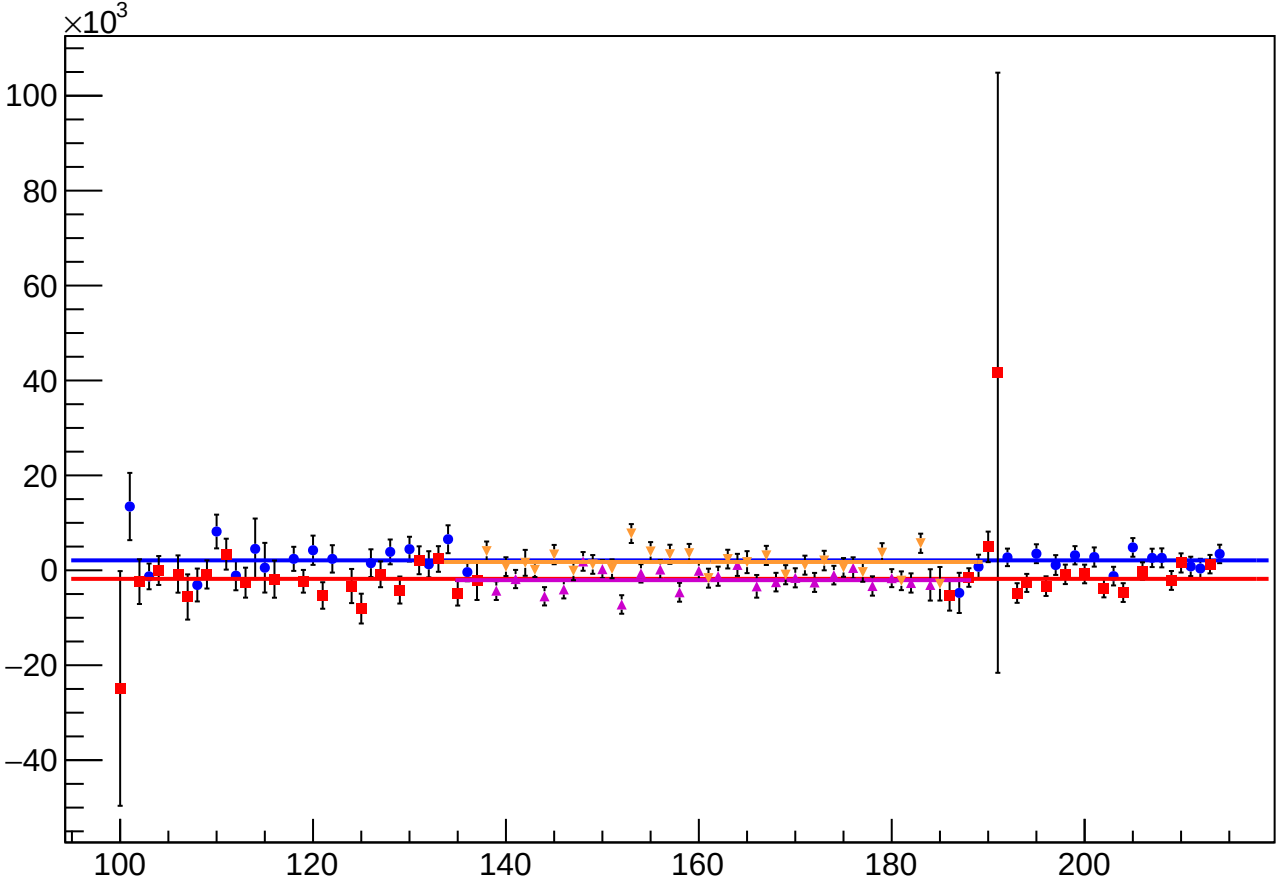
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 544.014+/-0.071 χ^2/NDF: 14639347.4/54

All: 532.692+/-0.049 χ^2/NDF: 29726592.6/11

- sign 521.827+/-0.069 χ^2/NDF: 15036717.3/56

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2096.489+/-443.759 χ^2/NDF: 27.2/29

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1802.101+/-441.891 χ^2/NDF: 35.6/33

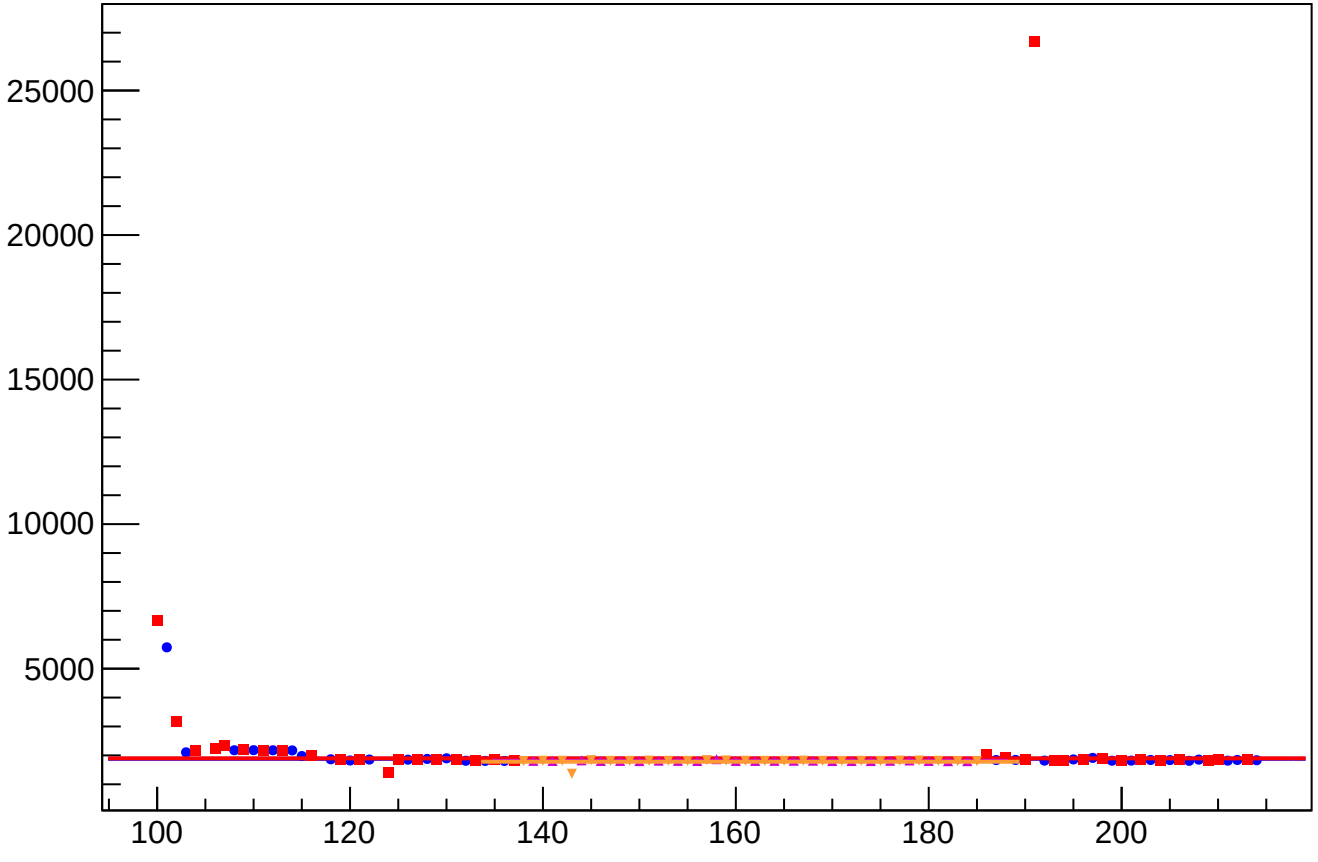
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1910.619+/-299.306 χ^2/NDF: 61.3/54

All: 24.991+/-213.904 χ^2/NDF: 205.2/111

- sign -1943.488+/-305.810 χ^2/NDF: 62.8/56

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1882.493+/-0.314 χ^2/NDF: 680804.1/29

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

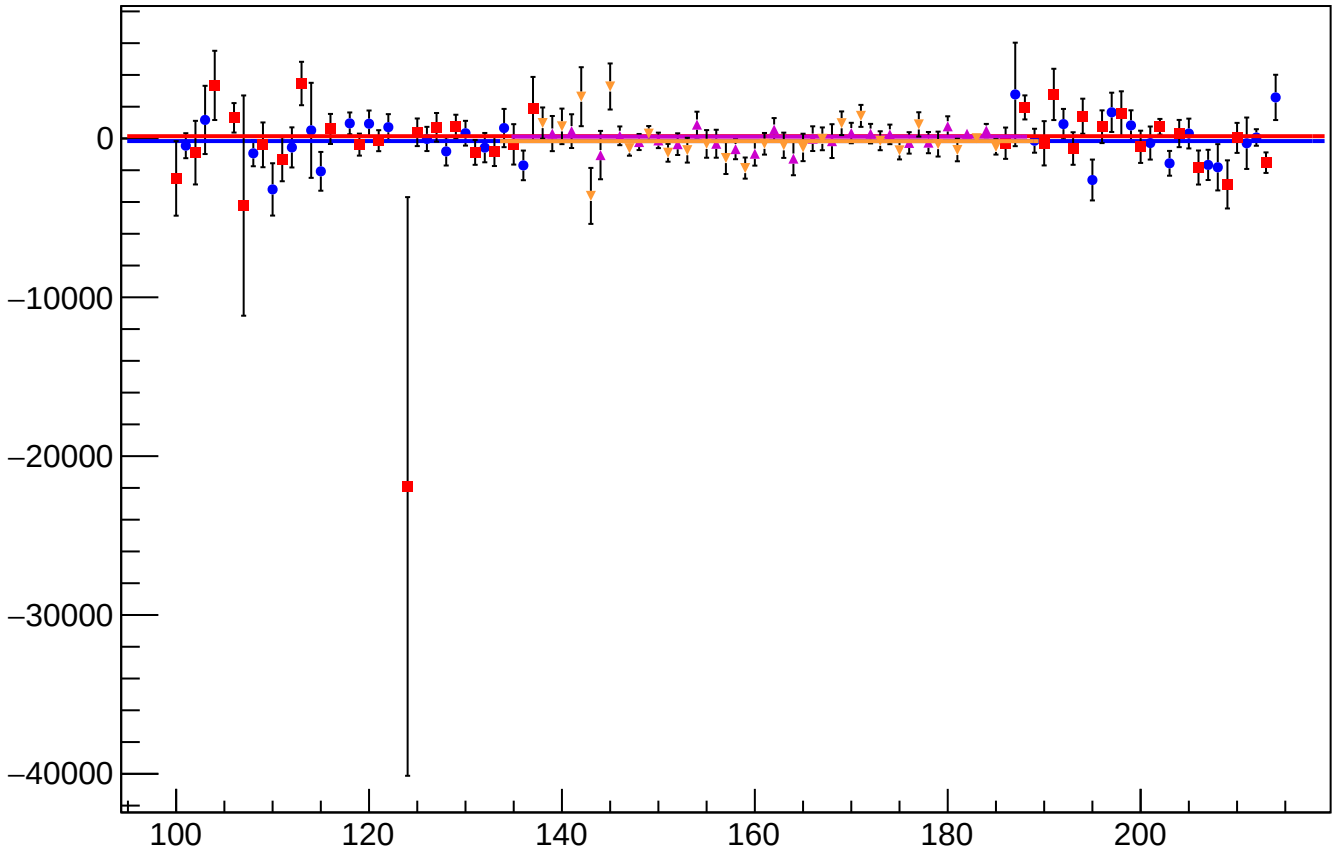
Right Out: 1897.302+/-0.312 χ^2/NDF: 698135.7/33

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1827.124+/-0.212 χ^2/NDF: 902863.6/54

All: 1840.333+/-0.151 χ^2/NDF: 1647704.6/11

- sign 1854.122+/-0.216 χ^2/NDF: 736879.3/56



Right In: -164.145+/-174.133 χ^2/NDF: 37.3/29

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 143.093+/-168.796 χ^2/NDF: 48.0/33

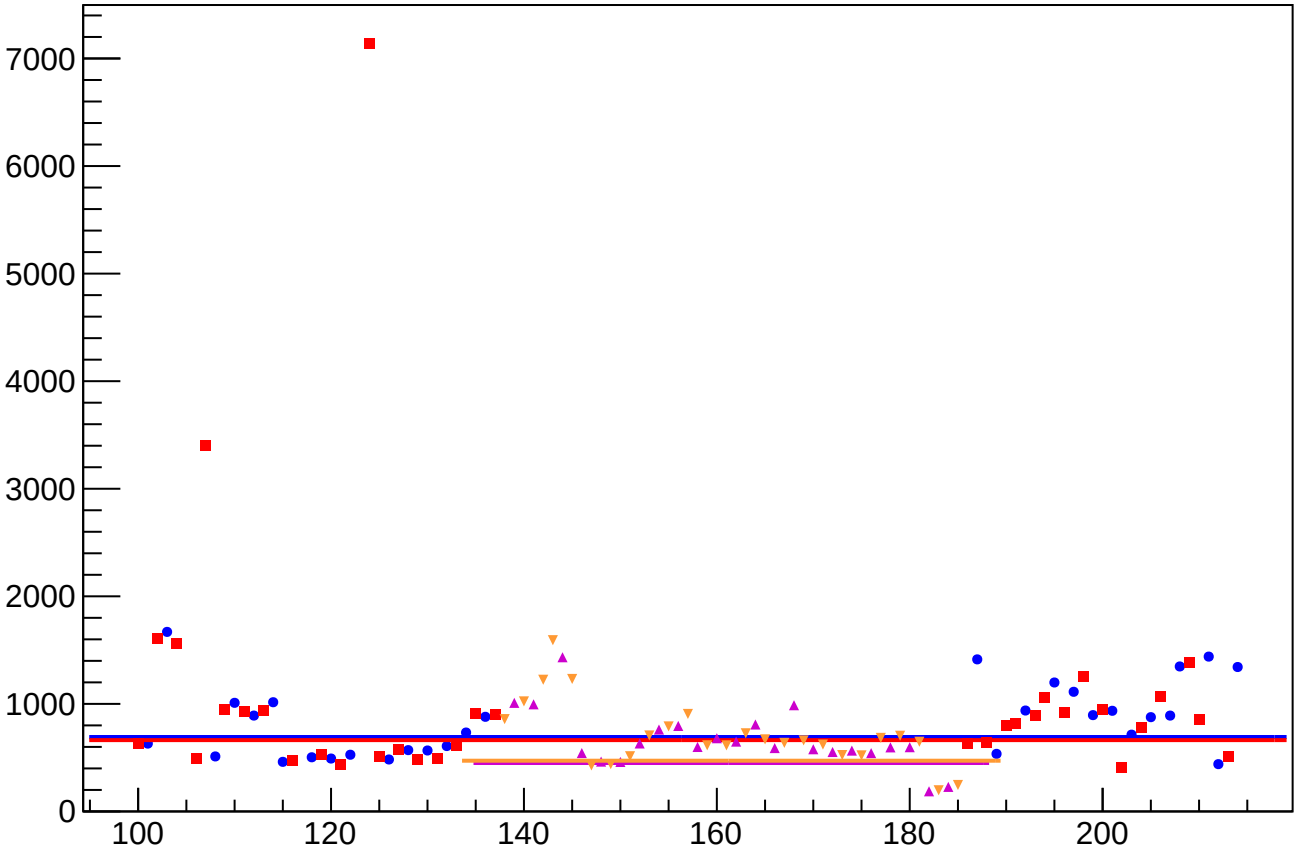
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -166.675+/-99.713 χ^2/NDF: 75.7/54

All: -17.385+/-69.778 χ^2/NDF: 140.4/111

- sign 125.878+/-97.680 χ^2/NDF: 60.3/56

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 692.077+/-0.123 χ^2/NDF: 4375246.8/29

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 663.192+/-0.119 χ^2/NDF: 4999326.5/33

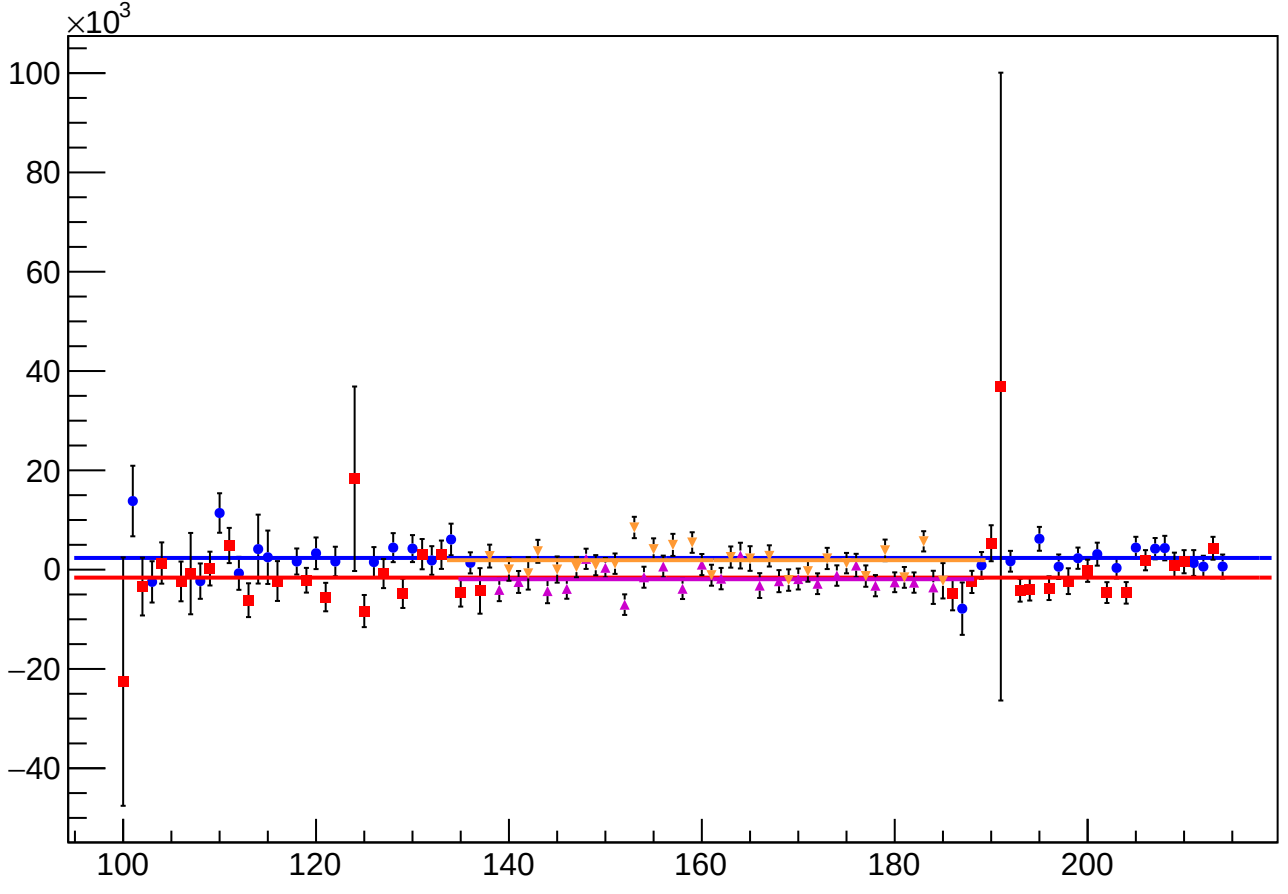
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 544.014+/-0.071 χ^2/NDF: 14639353.2/54

All: 532.693+/-0.049 χ^2/NDF: 29726577.2/11

- sign 521.828+/-0.069 χ^2/NDF: 15036697.7/56

asym_at1_avg_mean vs Slug



Right In: 2355.823+/-499.169 χ^2/NDF: 26.5/29

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1606.230+/-500.824 χ^2/NDF: 47.1/33

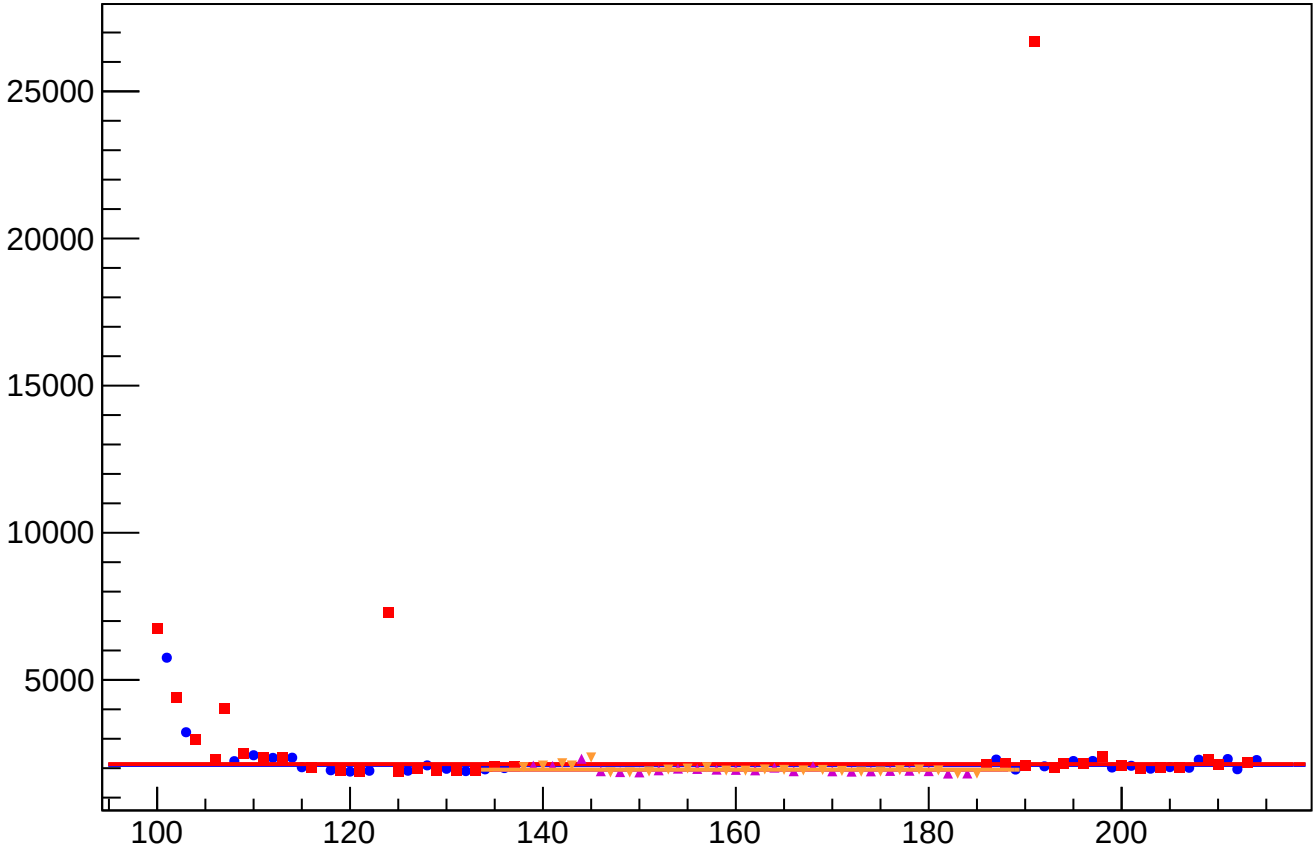
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2105.216+/-331.553 χ^2/NDF: 63.3/54

All: 191.790+/-236.250 χ^2/NDF: 203.0/111

- sign -1781.765+/-336.722 χ^2/NDF: 72.0/56

asym_at1_avg_rms vs Slug



Right In: 2110.930+/-0.353 χ^2/NDF: 840341.9/29

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

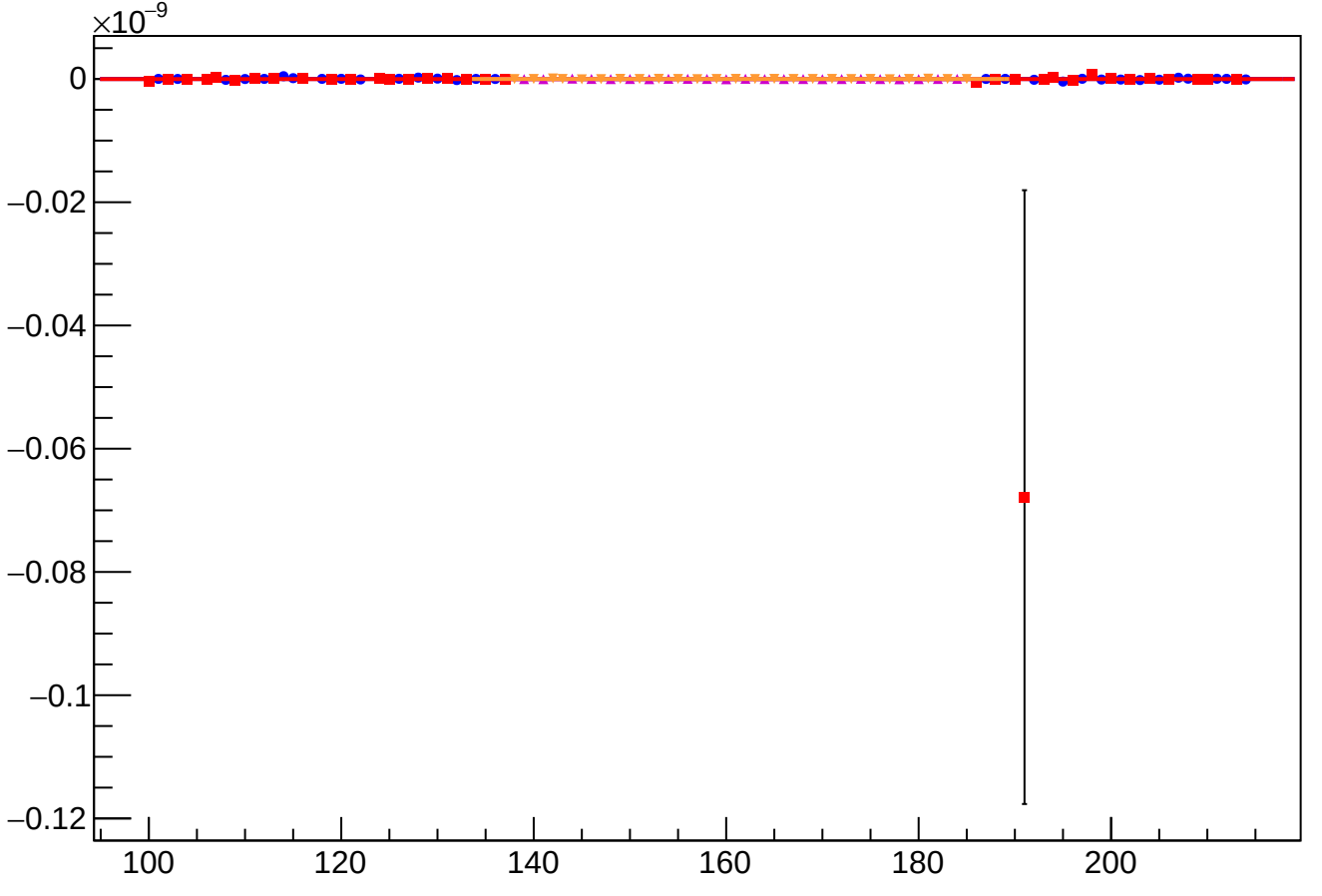
Right Out: 2139.497+/-0.354 χ^2/NDF: 1186924.5/33

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2020.440+/-0.234 χ^2/NDF: 1066478.8/54

All: 2026.619+/-0.167 χ^2/NDF: 2515831.0/11

- sign 2032.992+/-0.238 χ^2/NDF: 1447941.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 34.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

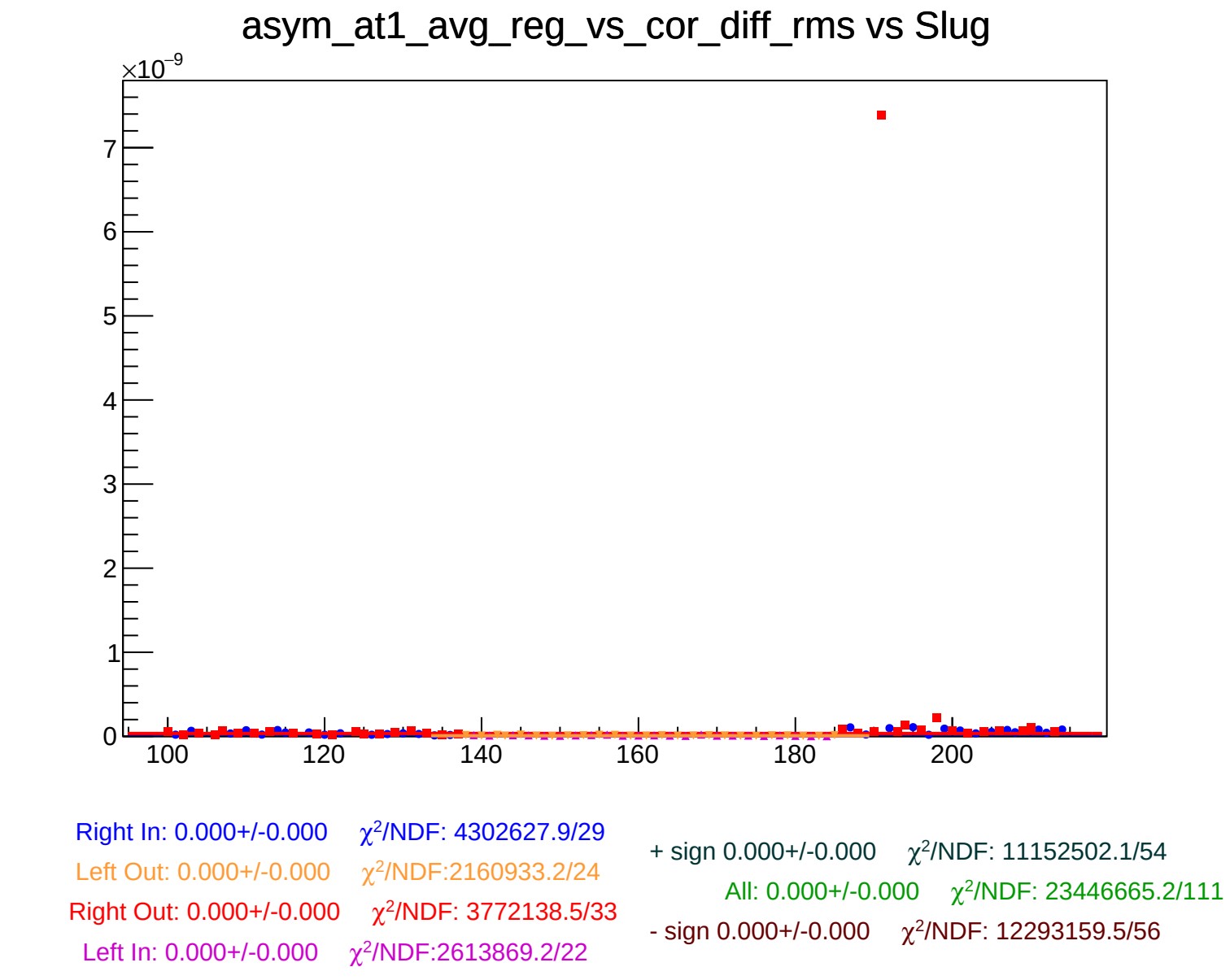
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/33

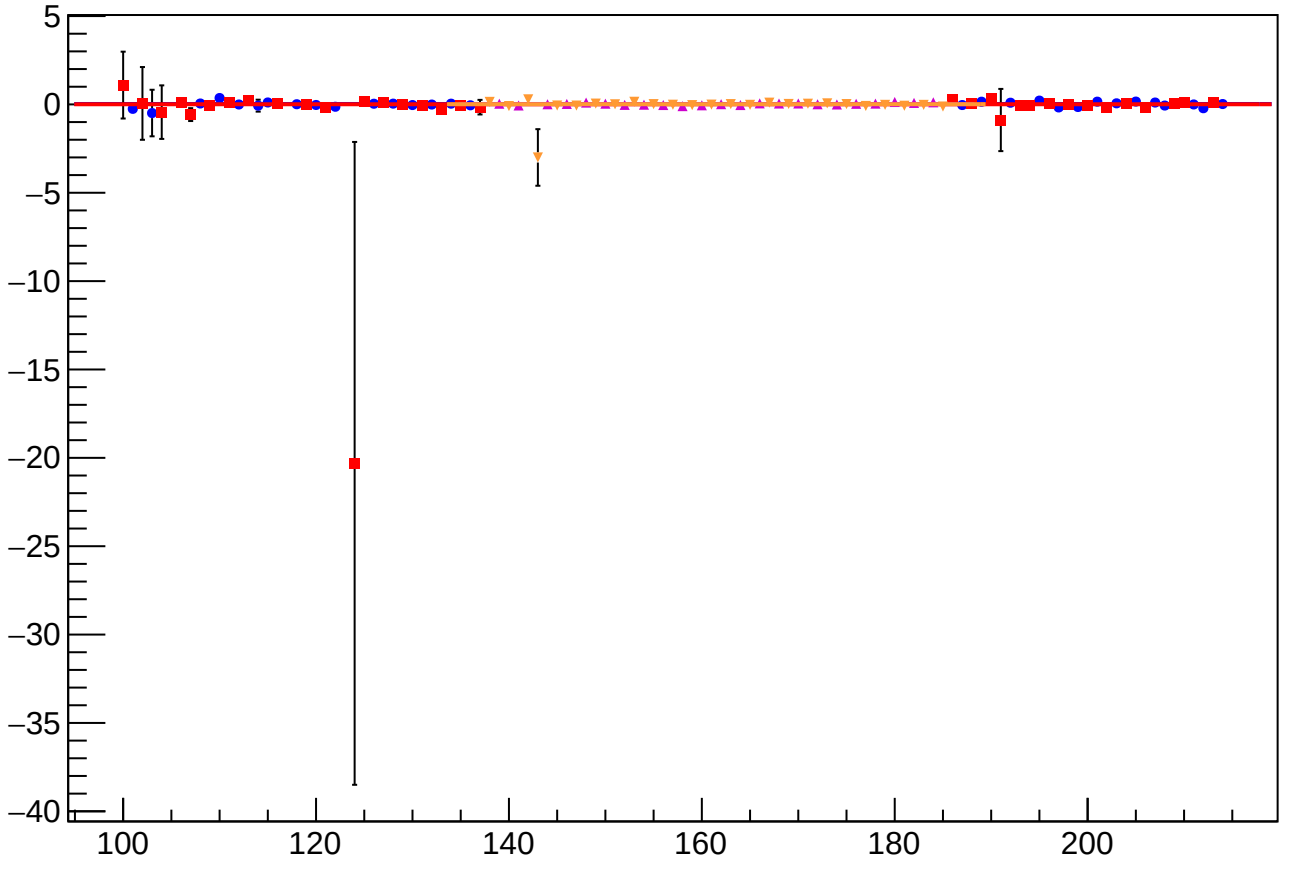
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/54

All: 0.000+/-0.000 χ^2/NDF: 126.6/111

- sign 0.000+/-0.000 χ^2/NDF: 63.4/56


asym_at1_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4302627.9/29
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3772138.5/33
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11152502.1/54
All: 0.000+/-0.000 χ²/NDF: 23446665.2/111
- sign 0.000+/-0.000 χ²/NDF: 12293159.5/56



Right In: 0.023+/-0.019 χ^2/NDF: 25.4/29

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.008+/-0.019 χ^2/NDF: 31.0/33

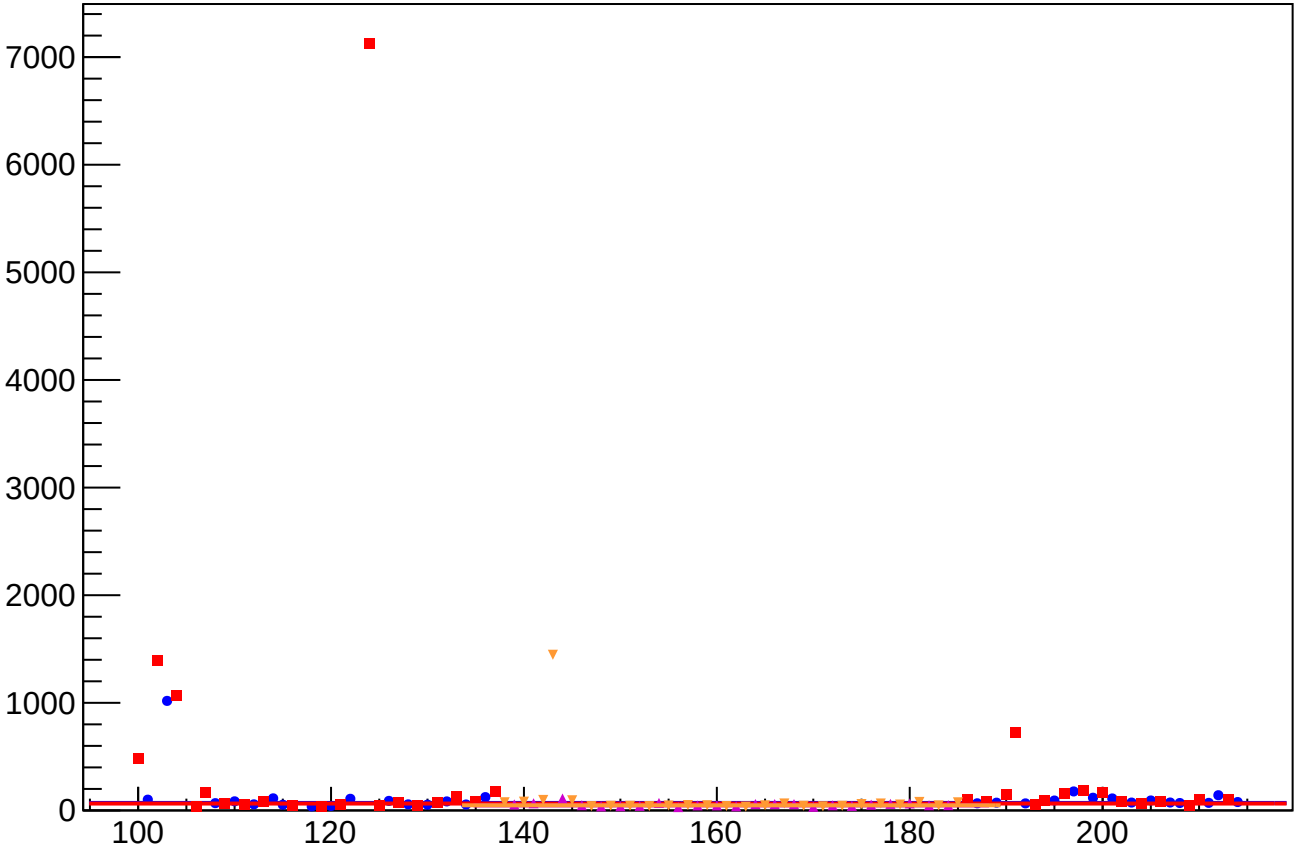
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

\+ sign 0.015+/-0.010 χ^2/NDF: 55.3/54

All: 0.015+/-0.007 χ^2/NDF: 106.8/111

\- sign 0.015+/-0.010 χ^2/NDF: 51.5/56

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.848+/-0.014 χ^2/NDF: 4229903.8/29

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

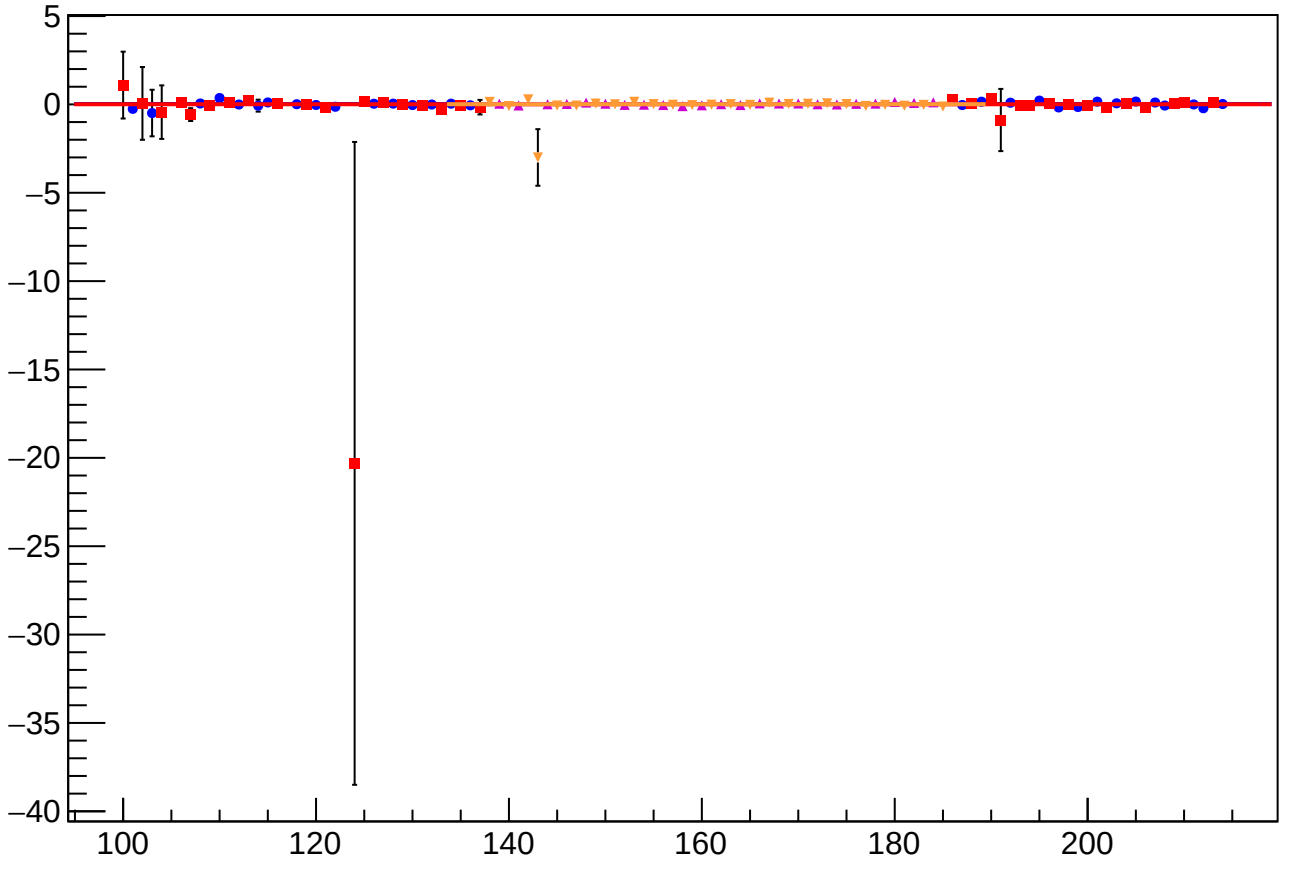
Right Out: 64.164+/-0.013 χ^2/NDF: 6748437.0/33

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.275+/-0.007 χ^2/NDF: 9533765.4/54

All: 53.092+/-0.005 χ^2/NDF: 19478298.9/111

- sign 51.956+/-0.007 χ^2/NDF: 9894591.6/56



Right In: 0.023+/-0.019 χ^2/NDF: 25.4/29

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.008+/-0.019 χ^2/NDF: 31.0/33

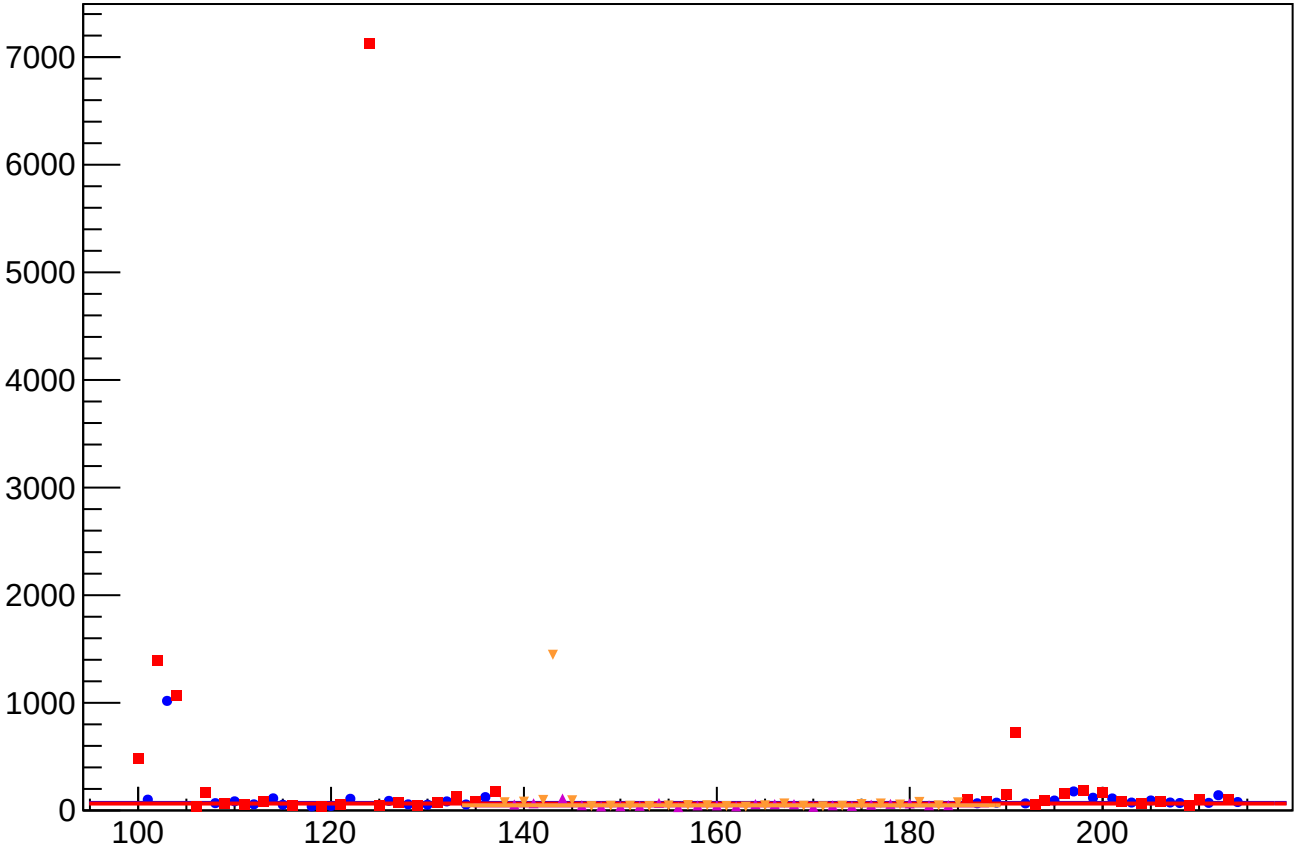
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.010 χ^2/NDF: 55.3/54

All: 0.015+/-0.007 χ^2/NDF: 106.8/111

- sign 0.015+/-0.010 χ^2/NDF: 51.5/56

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.848+/-0.014 χ^2/NDF: 4229903.8/29

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

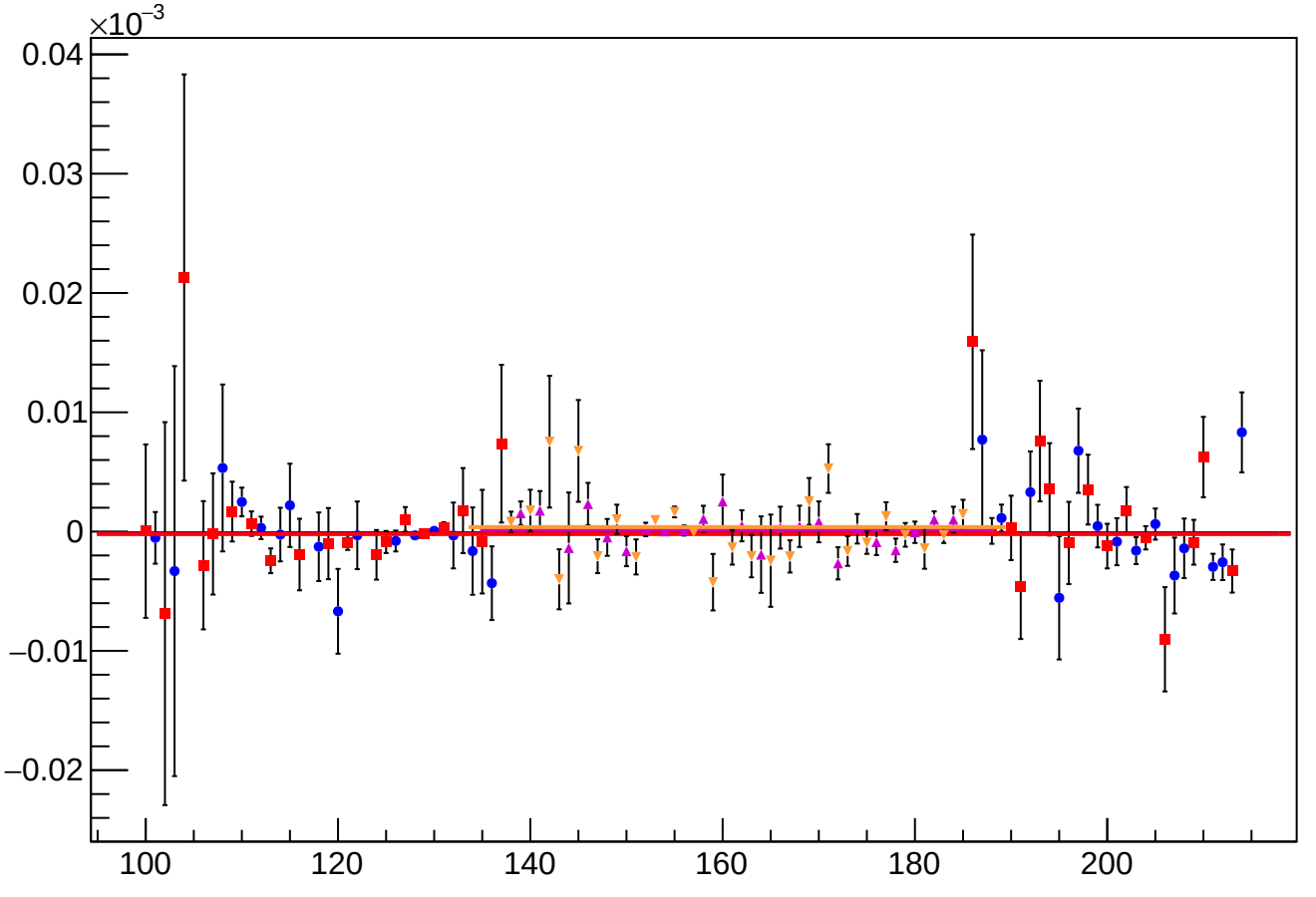
Right Out: 64.164+/-0.013 χ^2/NDF: 6748437.0/33

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.275+/-0.007 χ^2/NDF: 9533765.4/54

All: 53.092+/-0.005 χ^2/NDF: 19478298.9/111

- sign 51.956+/-0.007 χ^2/NDF: 9894591.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 40.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.1/33

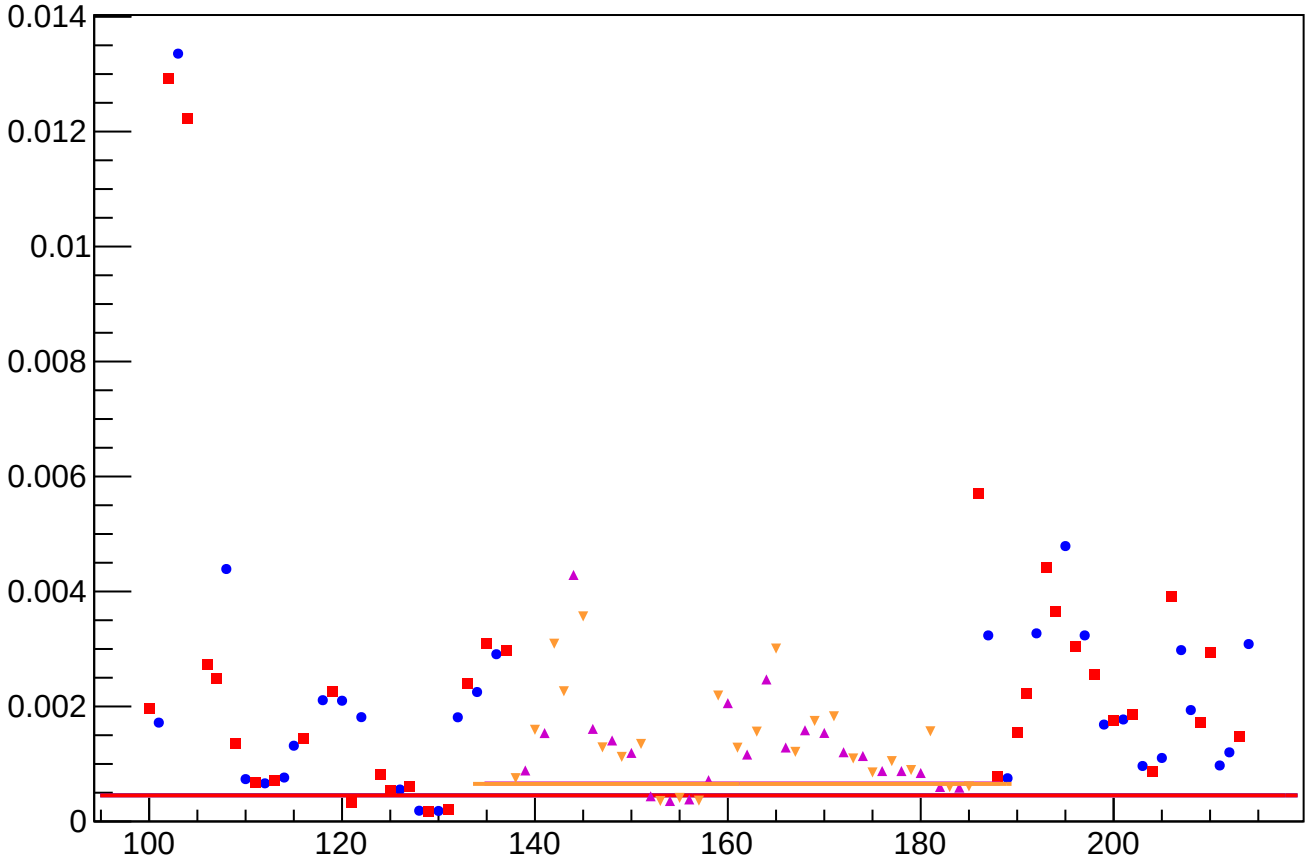
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.4/54

All: 0.000+/-0.000 χ^2/NDF: 155.9/111

- sign -0.000+/-0.000 χ^2/NDF: 58.8/56

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21218362.5/29

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

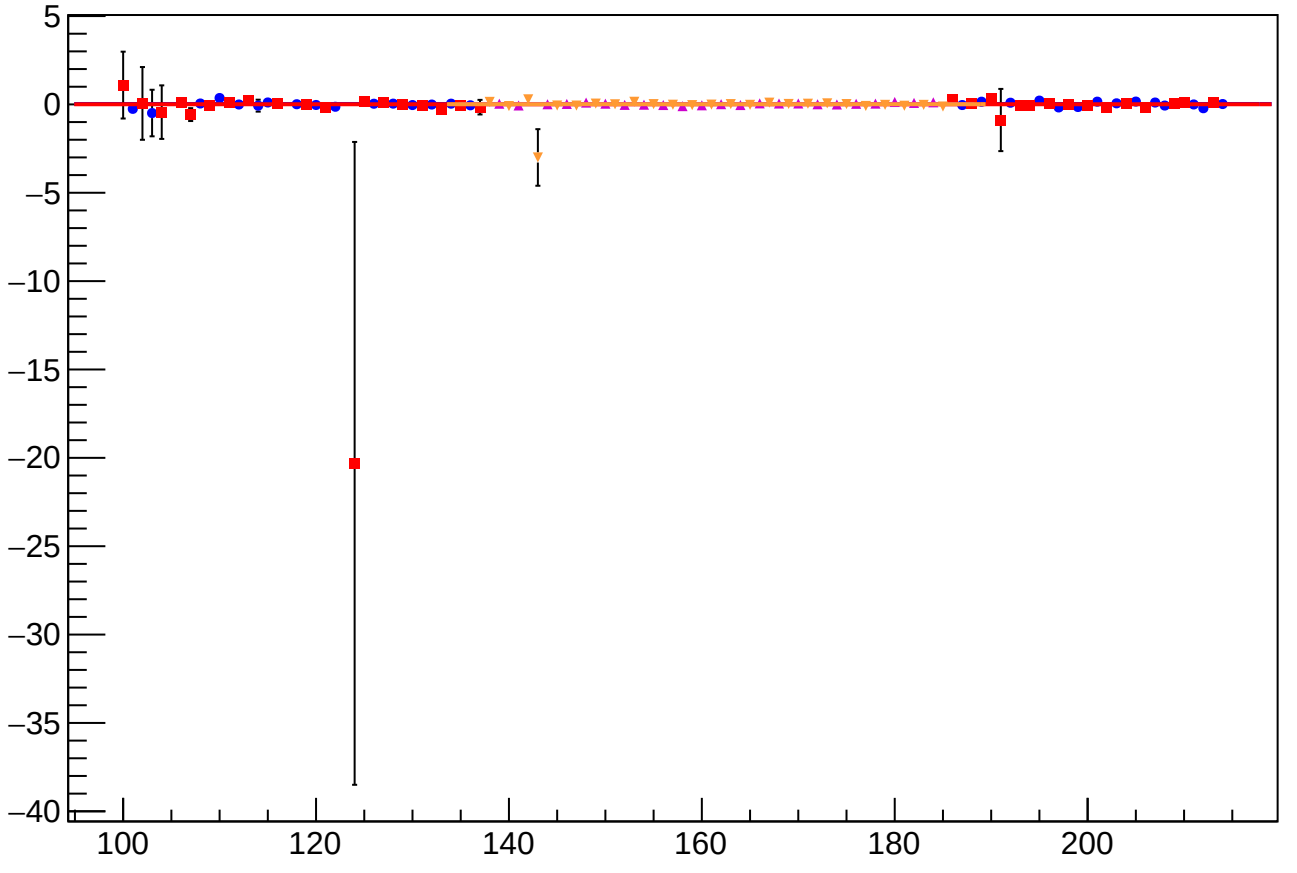
Right Out: 0.000+/-0.000 χ^2/NDF: 21512428.3/33

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 34515842.6/54

All: 0.001+/-0.000 χ^2/NDF: 66990124.7/111

- sign 0.001+/-0.000 χ^2/NDF: 32474235.7/56



Right In: 0.023+/-0.019 χ^2/NDF: 25.4/29

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.008+/-0.019 χ^2/NDF: 31.0/33

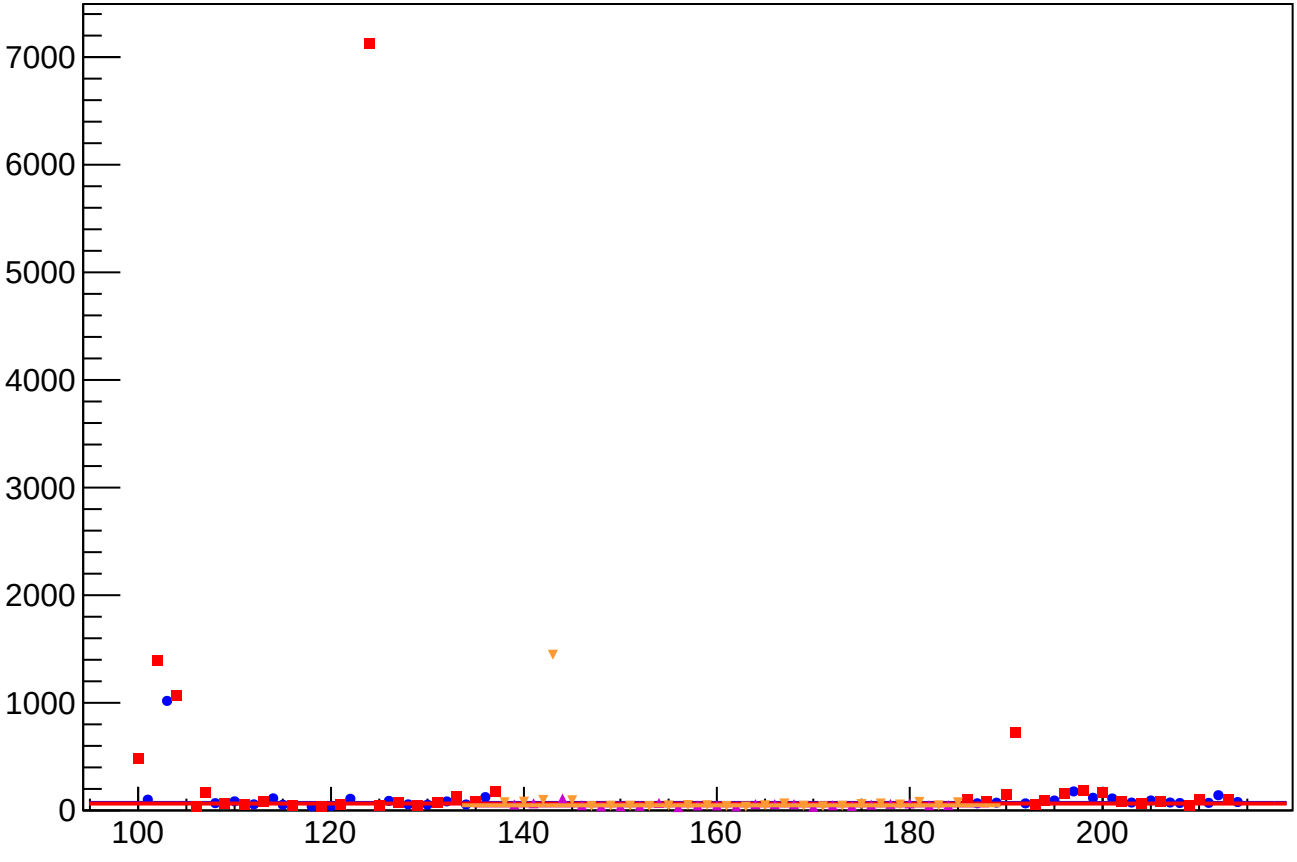
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.010 χ^2/NDF: 55.3/54

All: 0.015+/-0.007 χ^2/NDF: 106.8/111

- sign 0.015+/-0.010 χ^2/NDF: 51.5/56

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.848+/-0.014 χ^2/NDF: 4229963.1/29

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

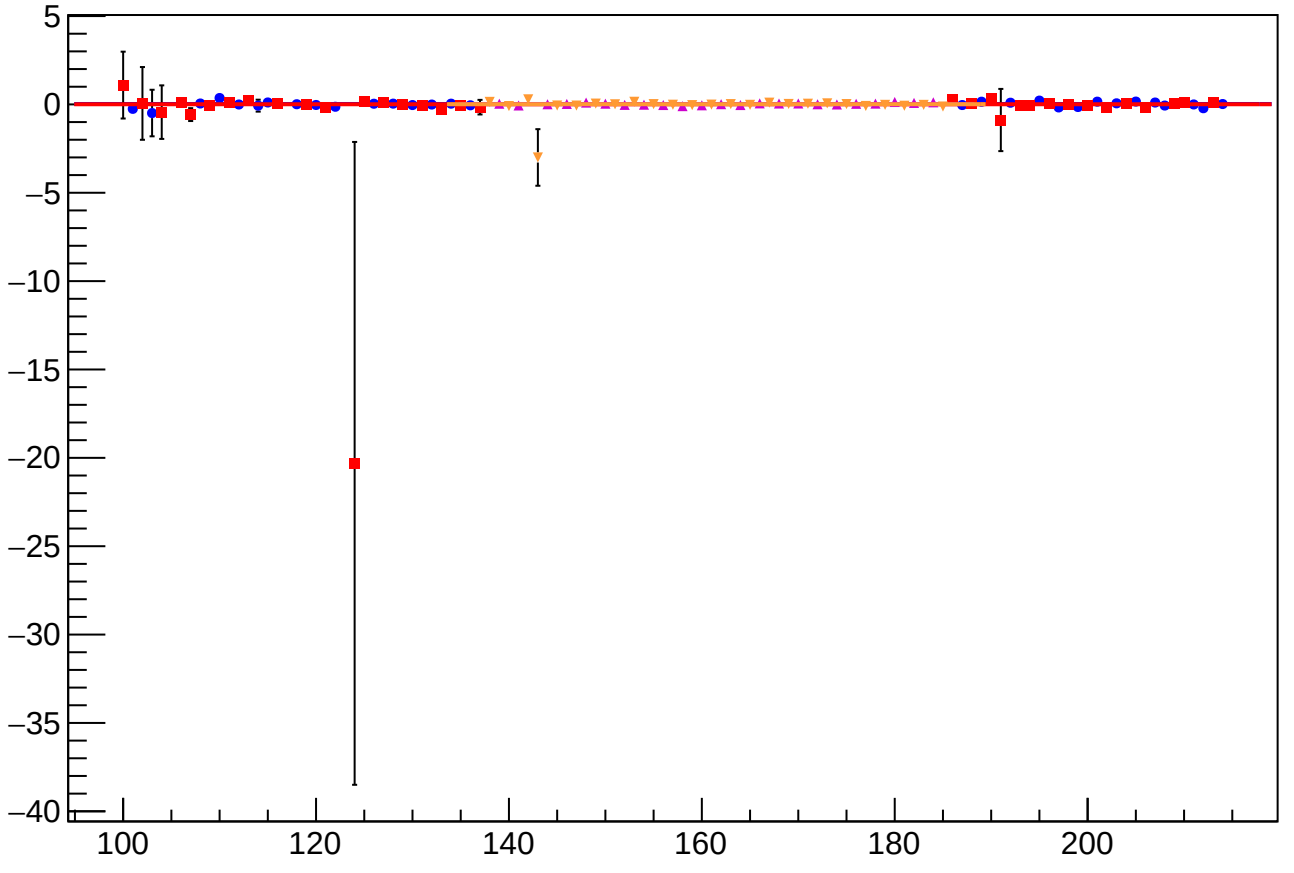
Right Out: 64.164+/-0.013 χ^2/NDF: 6748659.8/33

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.275+/-0.007 χ^2/NDF: 9533782.3/54

All: 53.092+/-0.005 χ^2/NDF: 19478449.9/111

- sign 51.956+/-0.007 χ^2/NDF: 9894707.9/56



Right In: 0.023+/-0.019 χ^2/NDF: 25.4/29

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.008+/-0.019 χ^2/NDF: 31.0/33

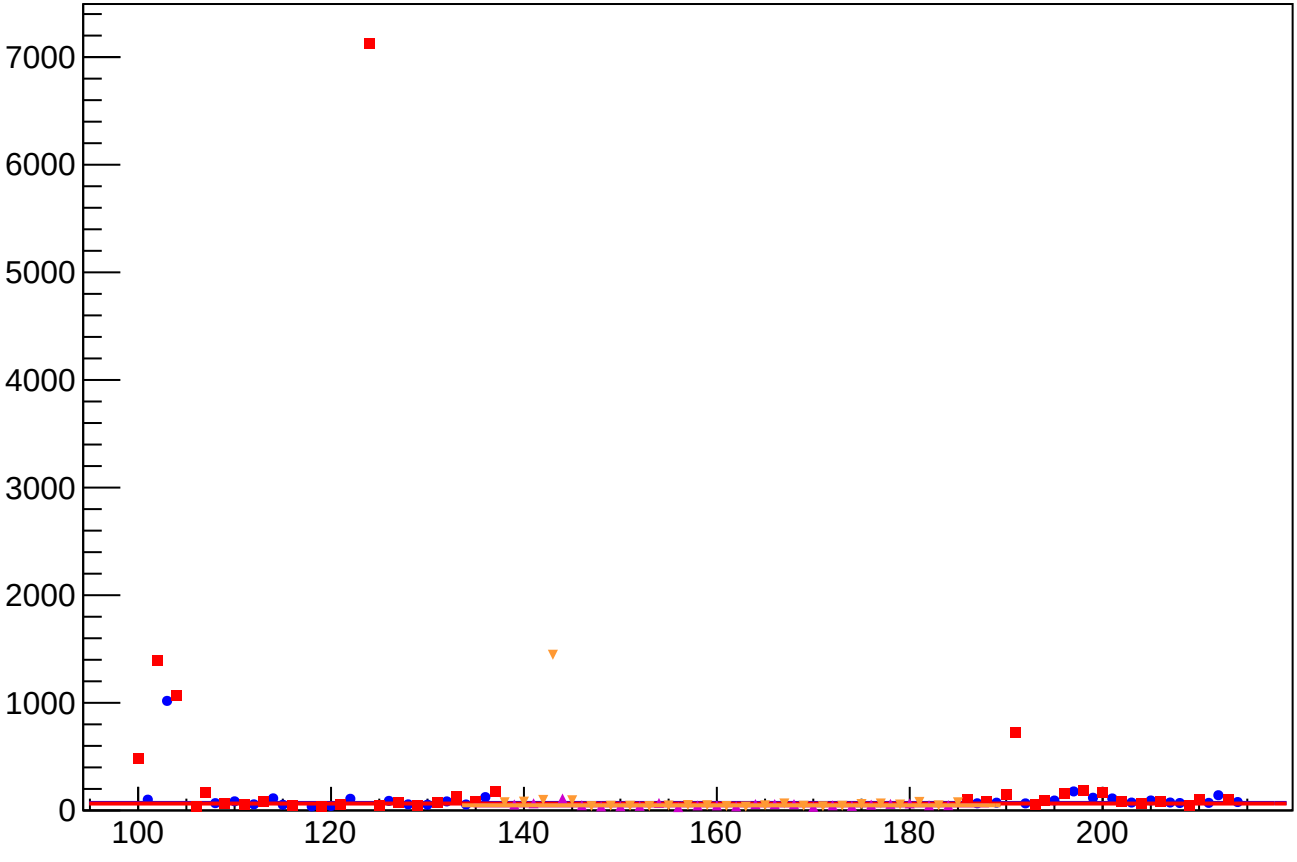
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.015+/-0.010 χ^2/NDF: 55.3/54

All: 0.015+/-0.007 χ^2/NDF: 106.8/111

- sign 0.015+/-0.010 χ^2/NDF: 51.5/56

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.848+/-0.014 χ^2/NDF: 4229963.1/29

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.164+/-0.013 χ^2/NDF: 6748659.8/33

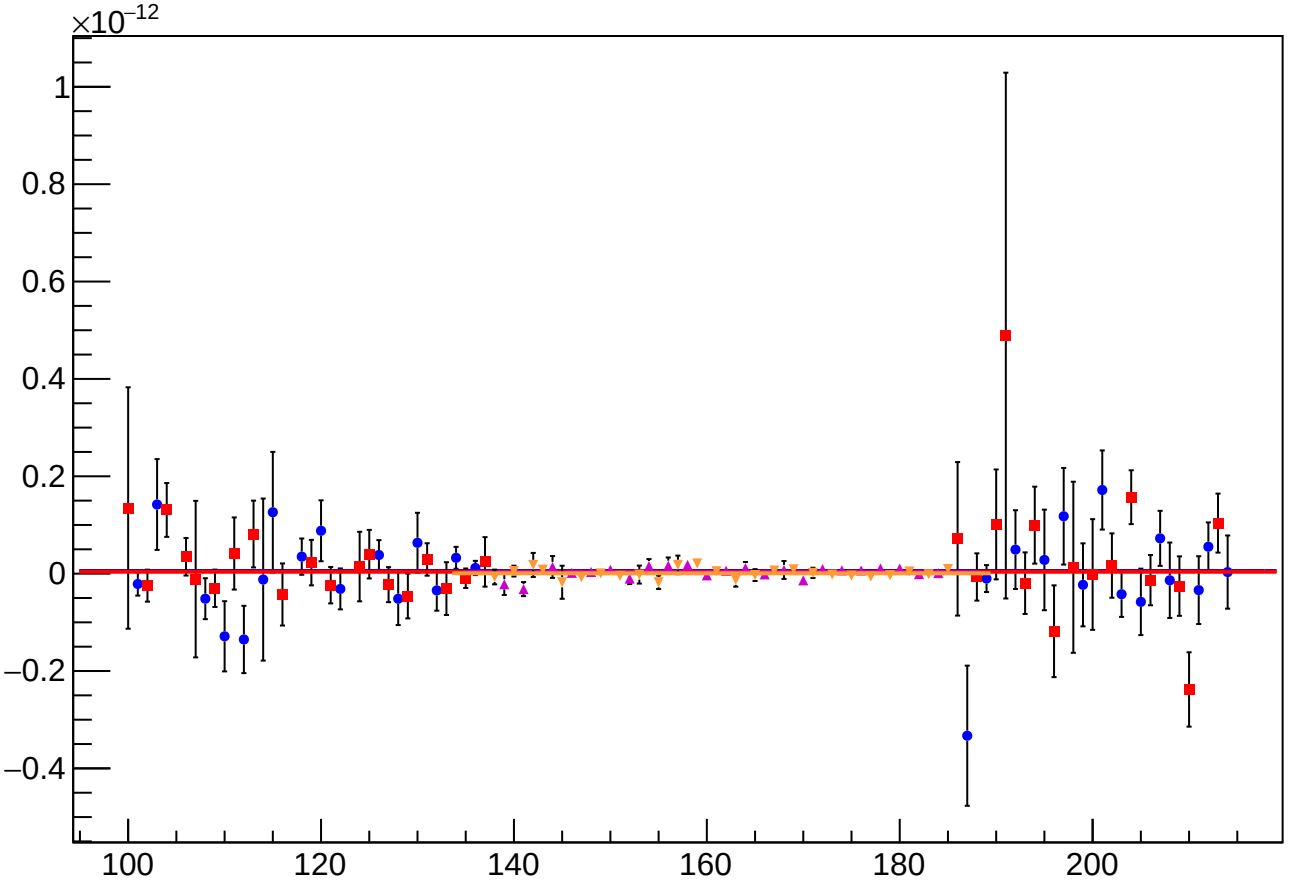
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.275+/-0.007 χ^2/NDF: 9533782.3/54

All: 53.092+/-0.005 χ^2/NDF: 19478449.9/111

- sign 51.956+/-0.007 χ^2/NDF: 9894707.9/56

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

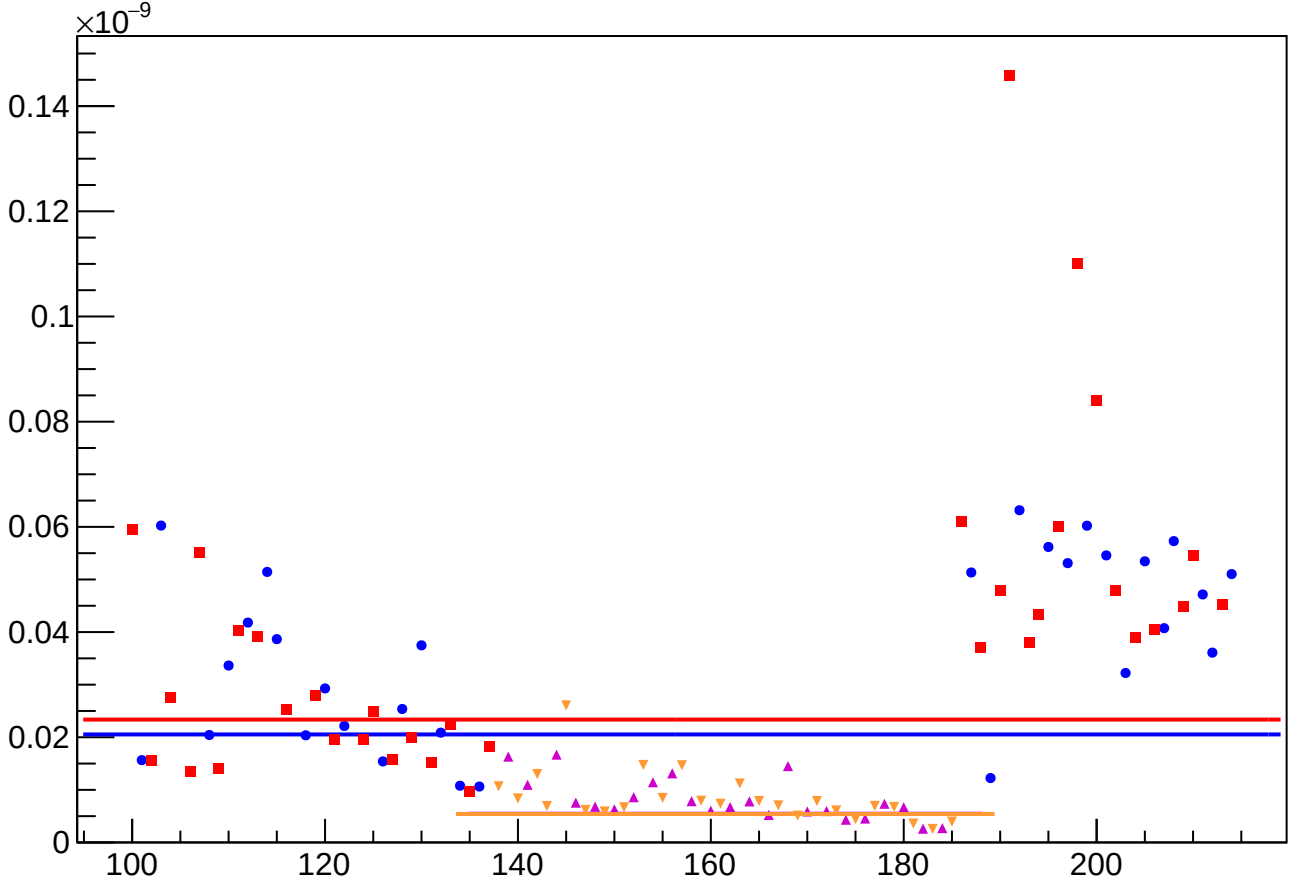
Right Out: 0.000+/-0.000 χ^2/NDF: 40.2/33

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.6/54

All: 0.000+/-0.000 χ^2/NDF: 117.1/111

- sign 0.000+/-0.000 χ^2/NDF: 62.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6548595.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5495371.0/33

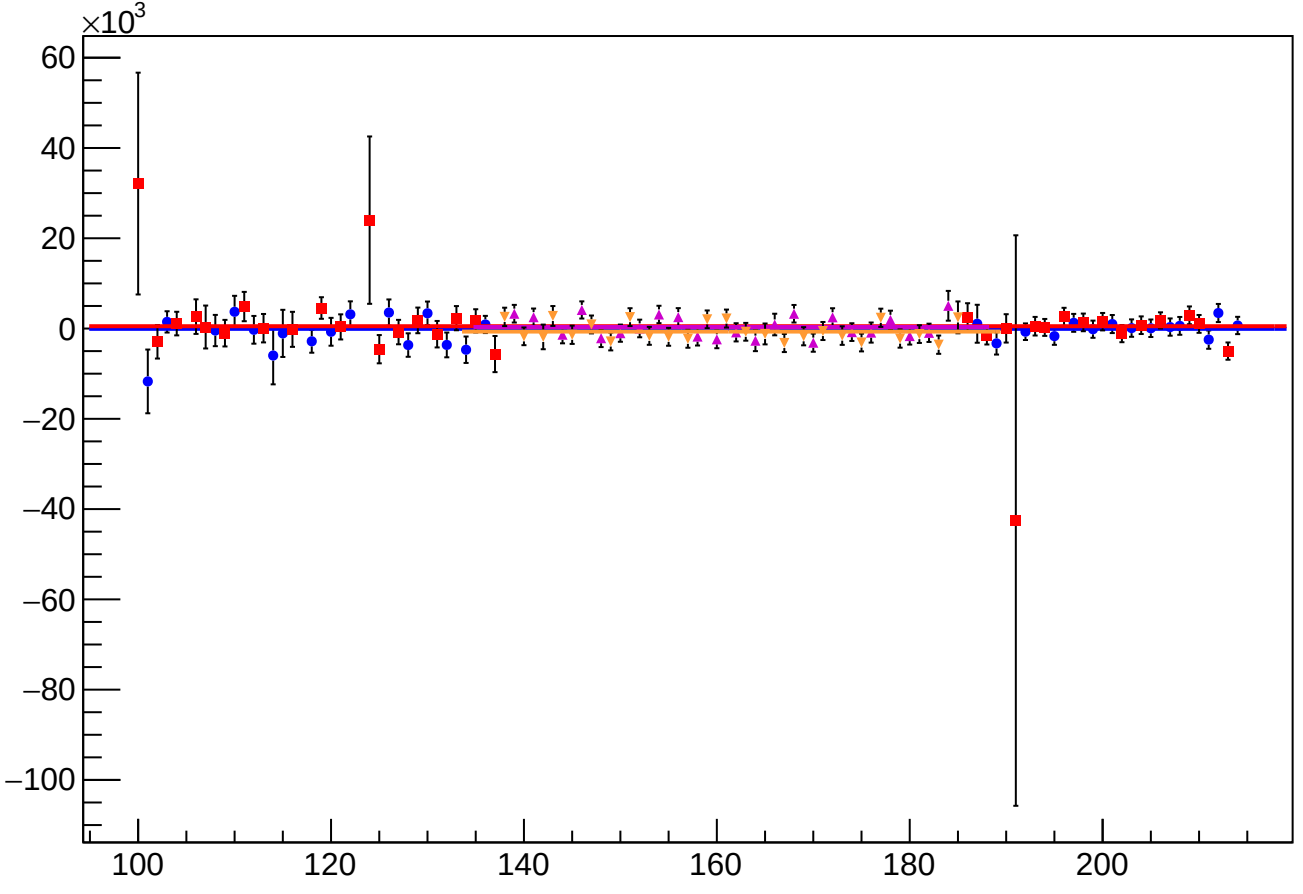
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 19227575.2/54

All: 0.000+/-0.000 χ^2/NDF: 37803363.0/111

- sign 0.000+/-0.000 χ^2/NDF: 18575037.1/56

reg_asym_at1_dd_mean vs Slug



Right In: -66.035+/-436.756 χ^2/NDF: 25.4/29

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 515.197+/-436.130 χ^2/NDF: 30.7/33

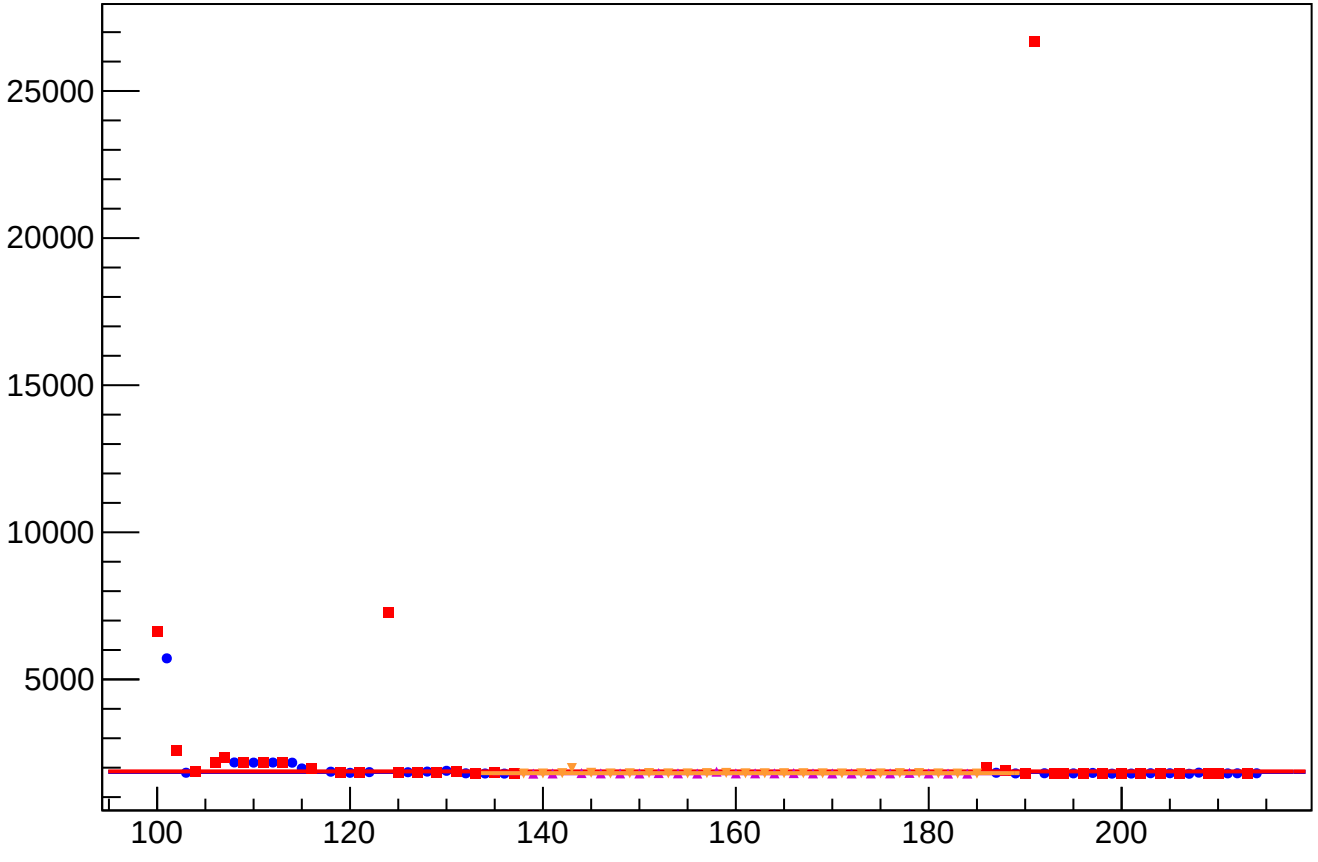
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

\+ sign -385.490+/-299.777 χ^2/NDF: 51.1/54

All: 15.388+/-213.291 χ^2/NDF: 115.6/111

\- sign 426.381+/-303.535 χ^2/NDF: 60.9/56

reg_asym_at1_dd_rms vs Slug



Right In: 1853.141+/-0.309 χ^2/NDF: 678151.6/29

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1873.685+/-0.308 χ^2/NDF: 754679.1/33

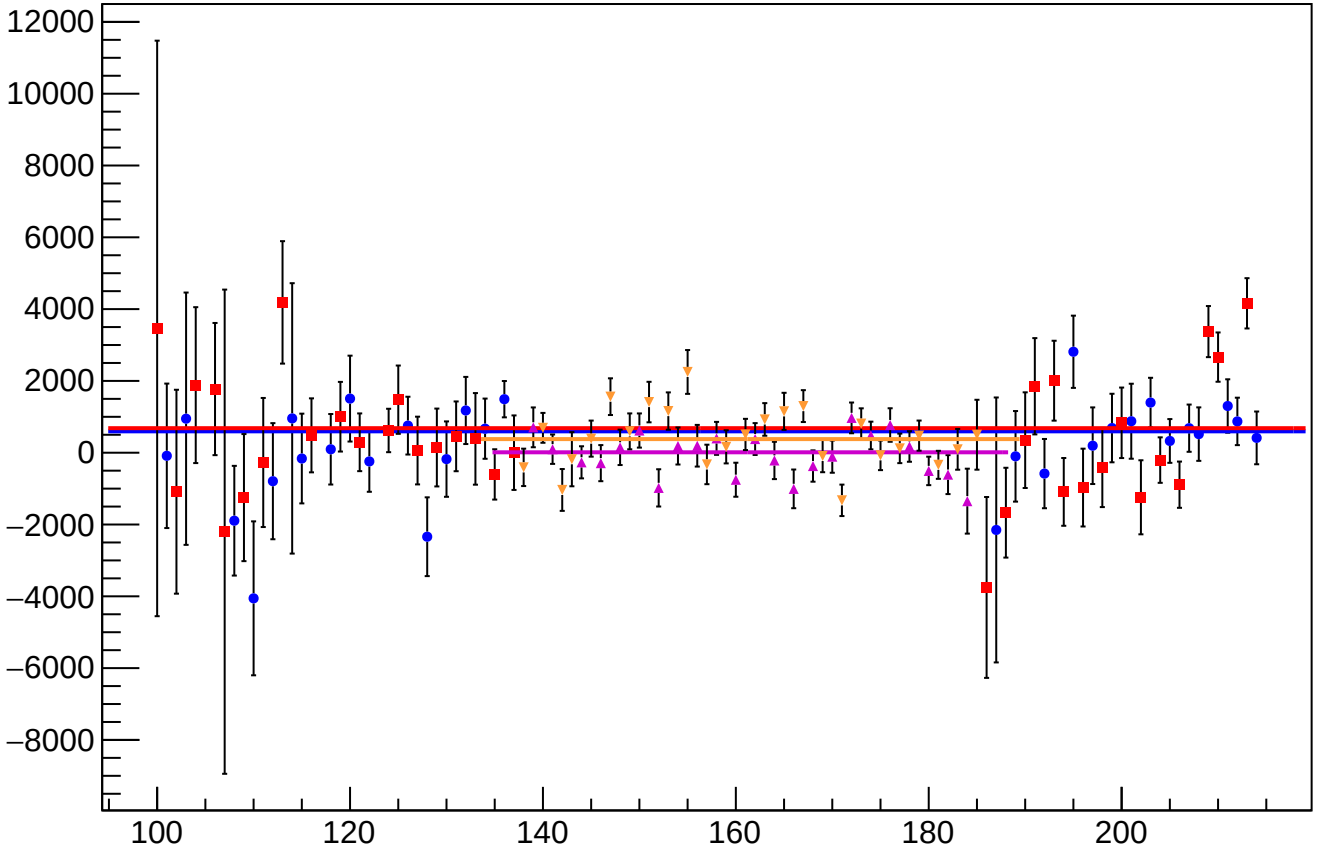
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1832.669+/-0.212 χ^2/NDF: 699561.5/54

All: 1836.824+/-0.151 χ^2/NDF: 1478659.9/11

- sign 1841.084+/-0.215 χ^2/NDF: 778320.4/56

asym_at1_dd_reg_correction_mean vs Slug



Right In: 595.525+/-167.914 χ^2/NDF: 31.8/29

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 683.460+/-171.049 χ^2/NDF: 87.2/33

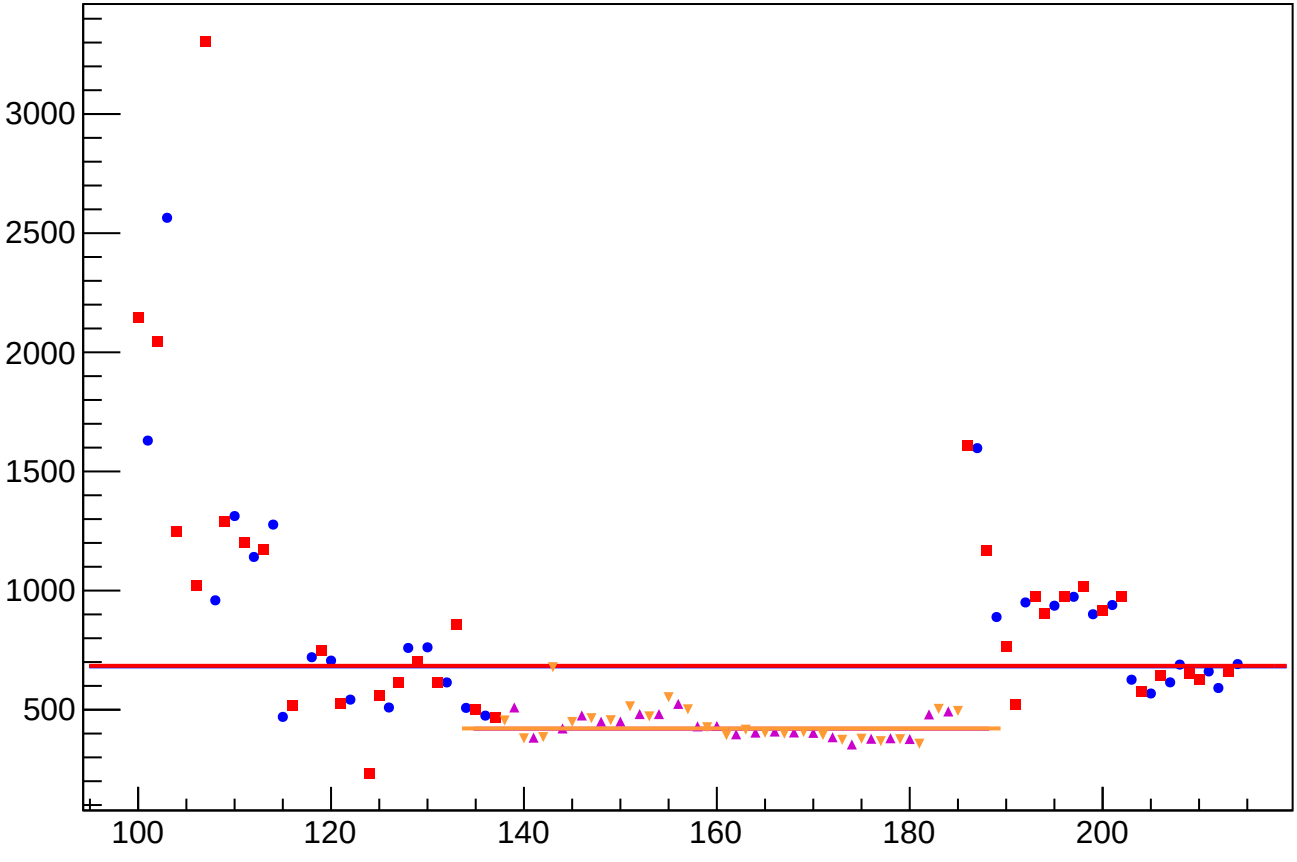
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 433.453+/-84.001 χ^2/NDF: 95.4/54

All: 309.252+/-59.978 χ^2/NDF: 229.7/111

- sign 180.073+/-85.668 χ^2/NDF: 129.8/56

asym_at1_dd_reg_correction_rms vs Slug



Right In: 681.897+/-0.119 χ^2/NDF: 3107882.8/29

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

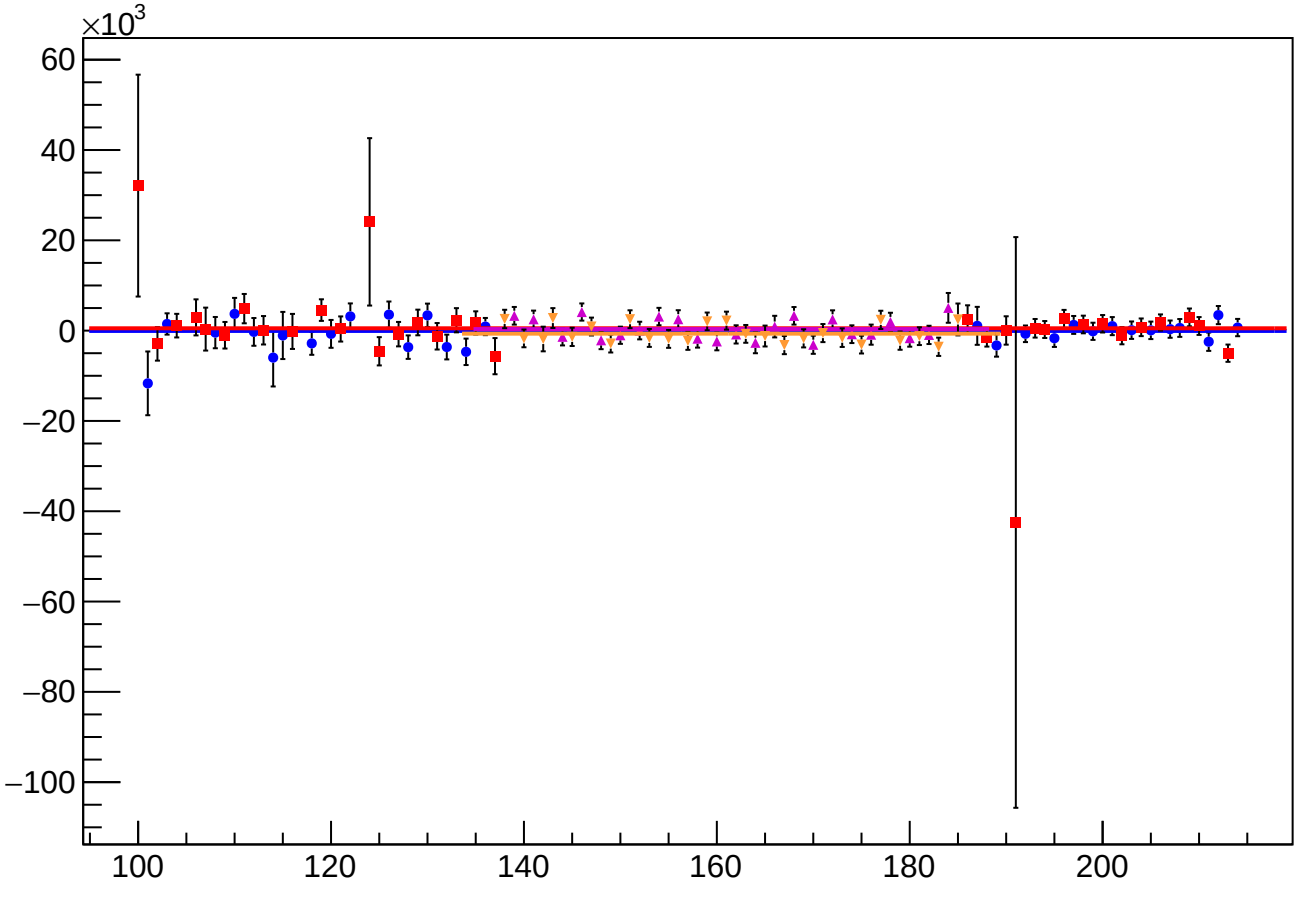
Right Out: 684.219+/-0.121 χ^2/NDF: 4700201.6/33

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 486.605+/-0.059 χ^2/NDF: 7459358.1/54

All: 486.526+/-0.042 χ^2/NDF: 16141797.3/11

- sign 486.443+/-0.061 χ^2/NDF: 8682435.5/56



Right In: -65.683+/-436.756 χ^2/NDF: 25.4/29

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 516.694+/-436.353 χ^2/NDF: 30.8/33

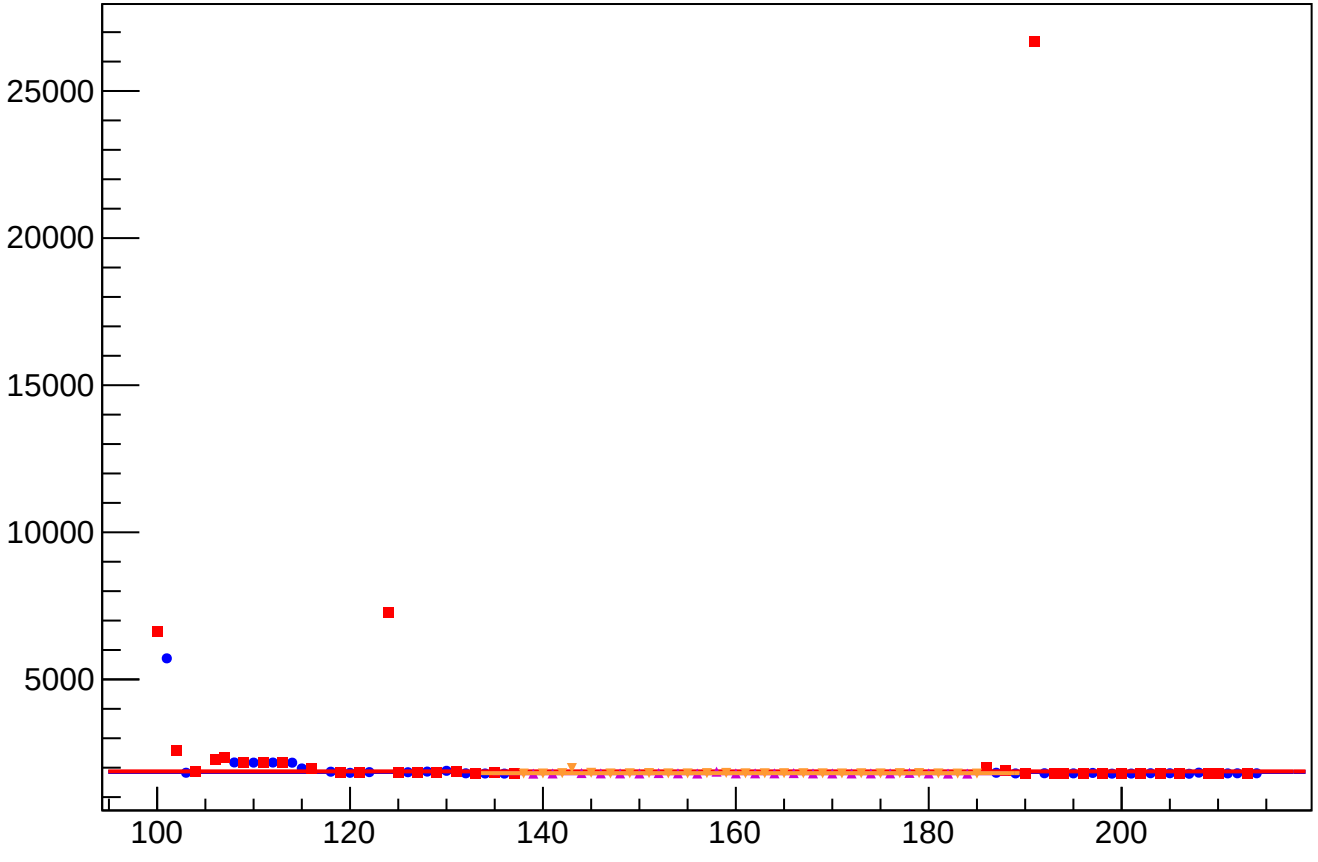
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -385.319+/-299.777 χ^2/NDF: 51.1/54

All: 15.721+/-213.317 χ^2/NDF: 115.7/111

\- sign 427.084+/-303.610 χ^2/NDF: 60.9/56

cor_asym_at1_dd_rms vs Slug



Right In: 1853.141+/-0.309 χ^2/NDF: 678151.5/29

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1874.343+/-0.309 χ^2/NDF: 760907.5/33

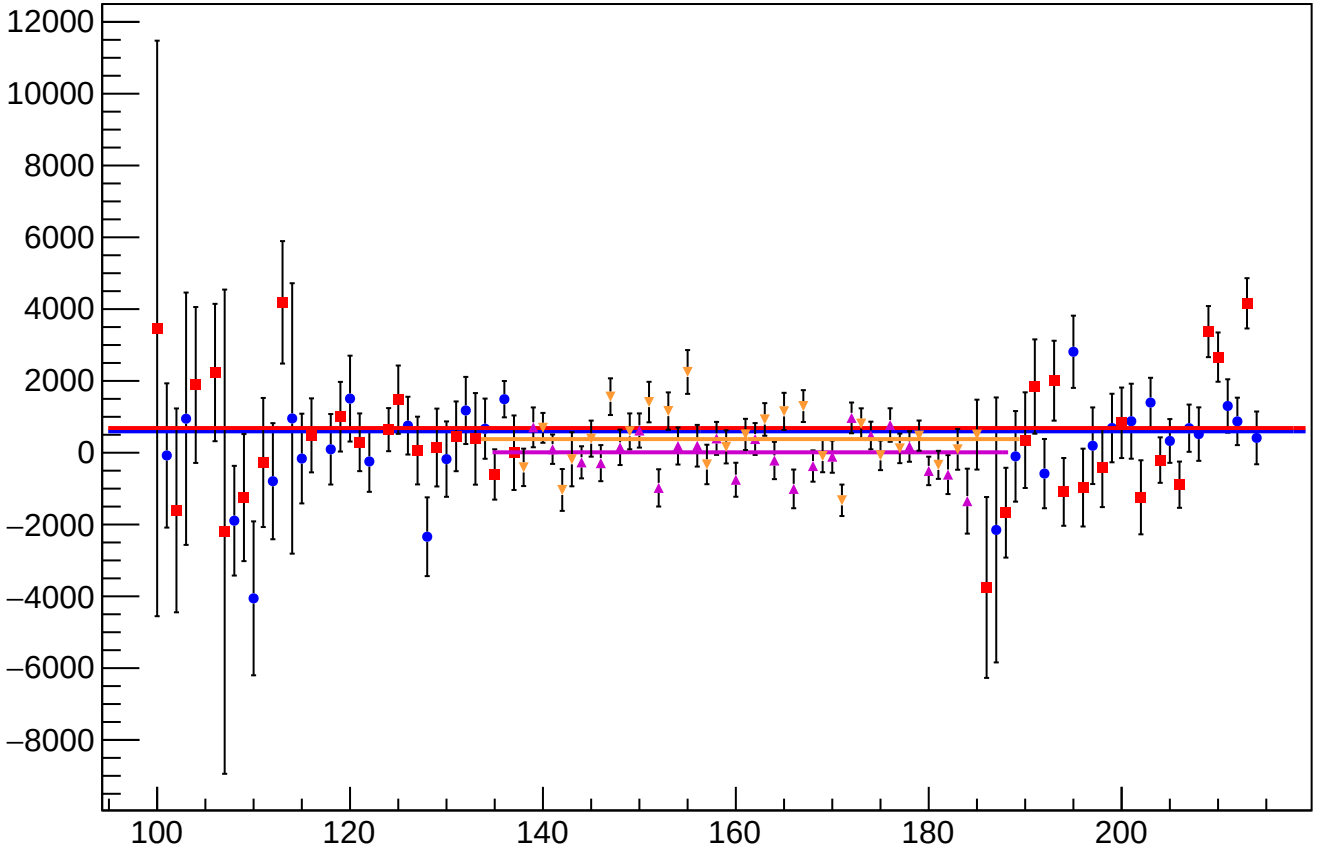
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1832.669+/-0.212 χ^2/NDF: 699561.4/54

All: 1836.972+/-0.151 χ^2/NDF: 1485386.5/11

- sign 1841.386+/-0.215 χ^2/NDF: 784990.4/56

asym_at1_dd_cor_correction_mean vs Slug



Right In: 595.616+/-167.911 χ^2/NDF: 31.8/29

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 687.028+/-170.943 χ^2/NDF: 87.8/33

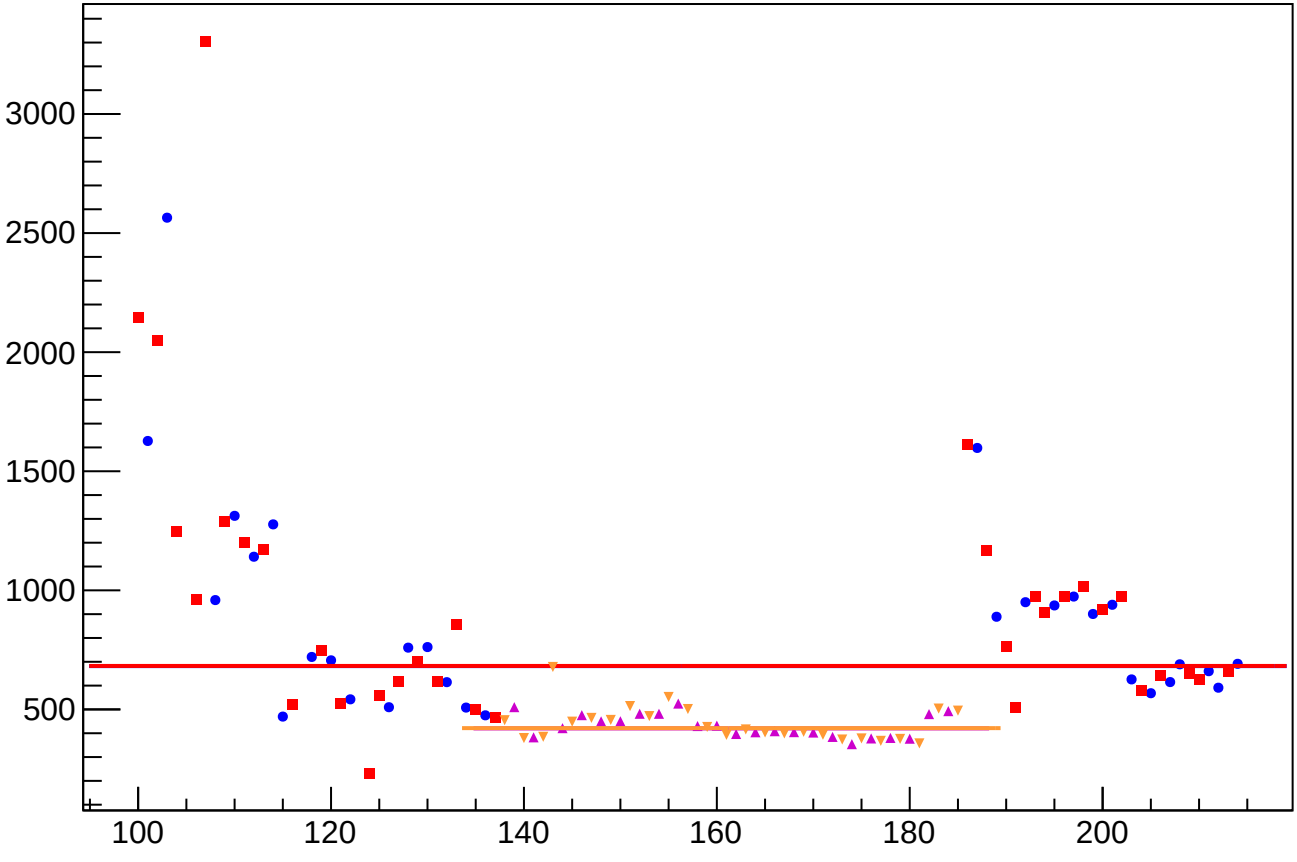
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 433.470+/-84.001 χ^2/NDF: 95.4/54

All: 309.759+/-59.974 χ^2/NDF: 230.4/111

- sign 181.133+/-85.654 χ^2/NDF: 130.6/56

asym_at1_dd_cor_correction_rms vs Slug



Right In: 681.897+/-0.119 χ^2/NDF: 3107047.0/29

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF: 4708655.9/33

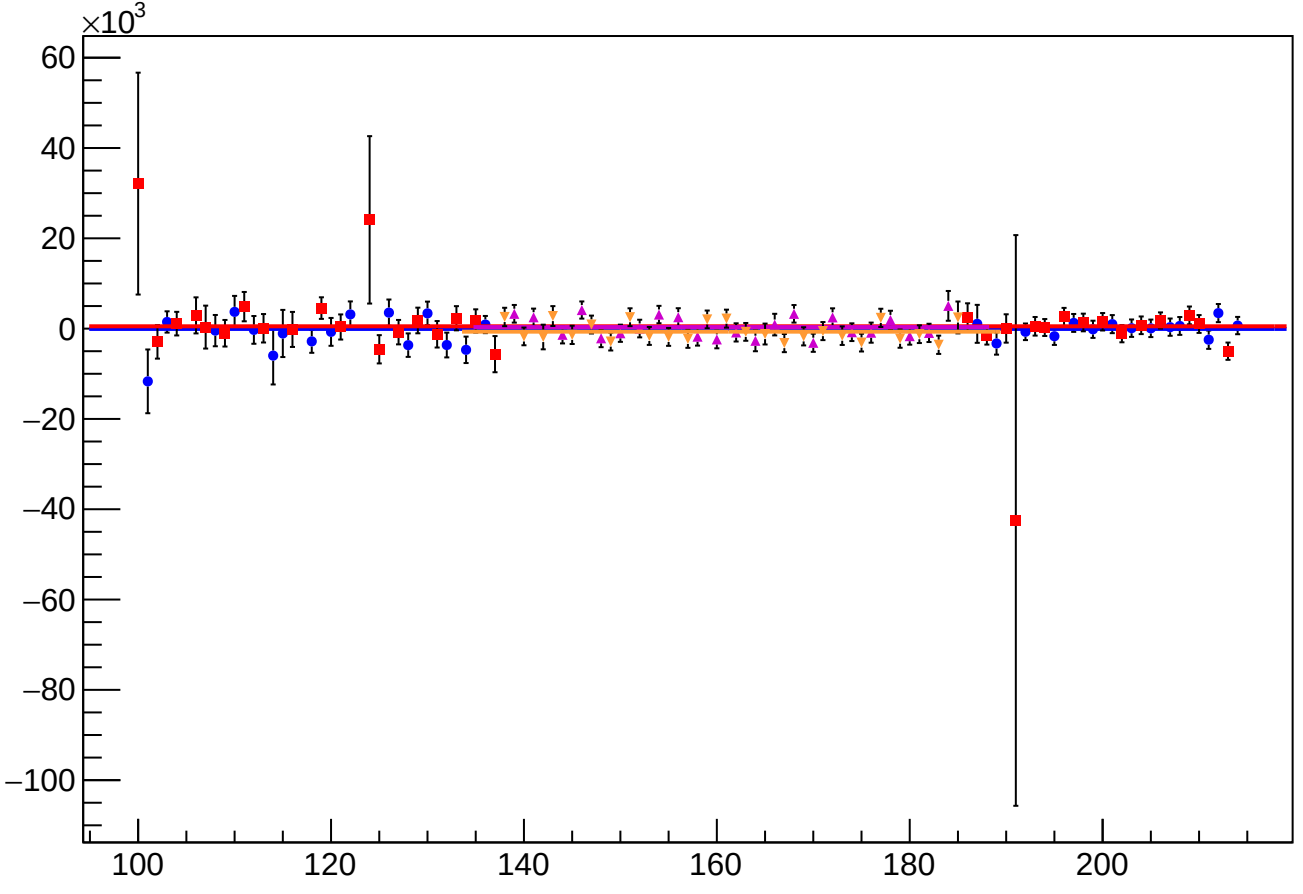
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 486.610+/-0.059 χ^2/NDF: 7458430.4/54

All: 486.350+/-0.042 χ^2/NDF: 16107577.4/11

- sign 486.079+/-0.061 χ^2/NDF: 8649107.9/56

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -65.683+/-436.756 χ^2/NDF: 25.4/29

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 516.694+/-436.353 χ^2/NDF: 30.8/33

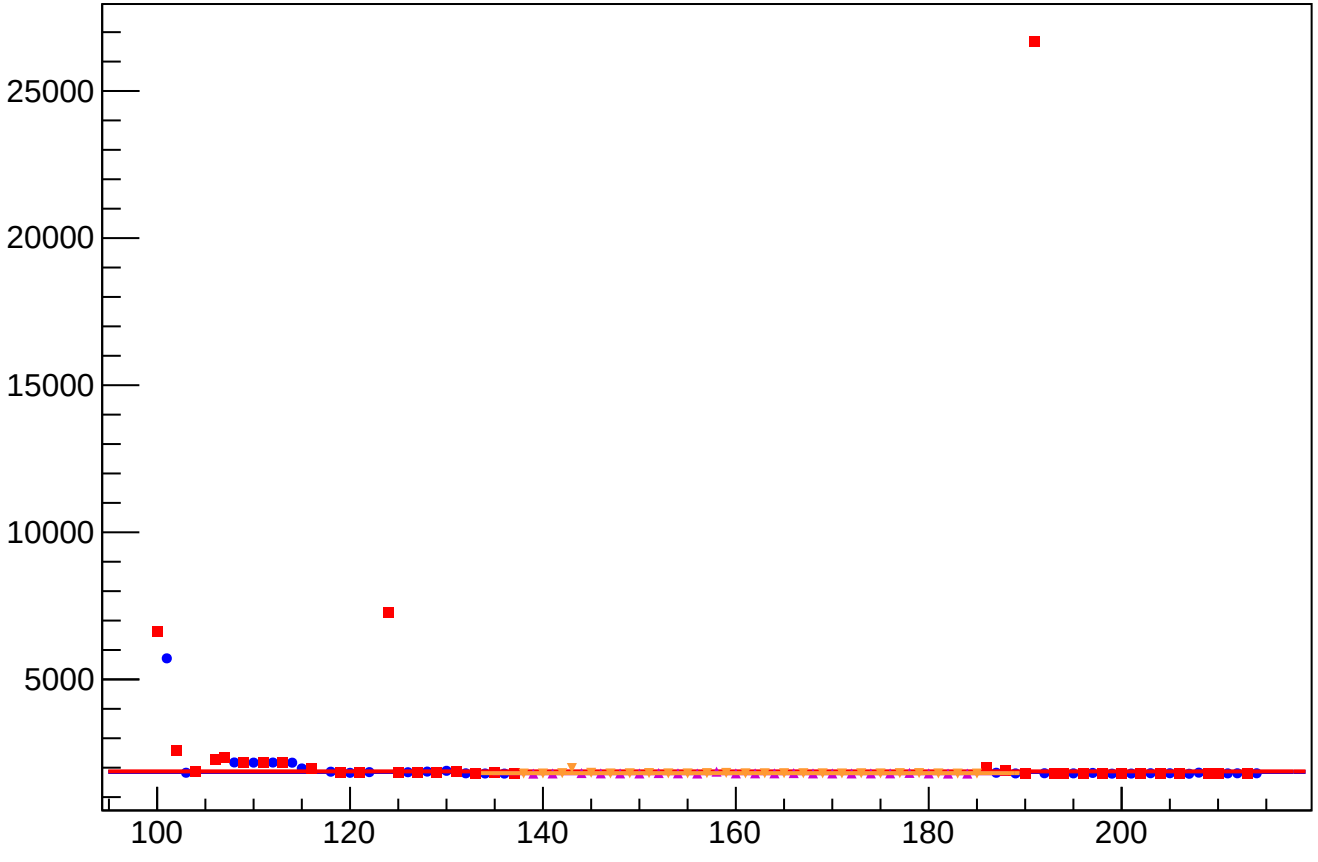
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -385.319+/-299.777 χ^2/NDF: 51.1/54

All: 15.721+/-213.317 χ^2/NDF: 115.7/111

- sign 427.084+/-303.610 χ^2/NDF: 60.9/56

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1853.141+/-0.309 χ^2/NDF: 678151.5/29

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1874.343+/-0.309 χ^2/NDF: 760907.5/33

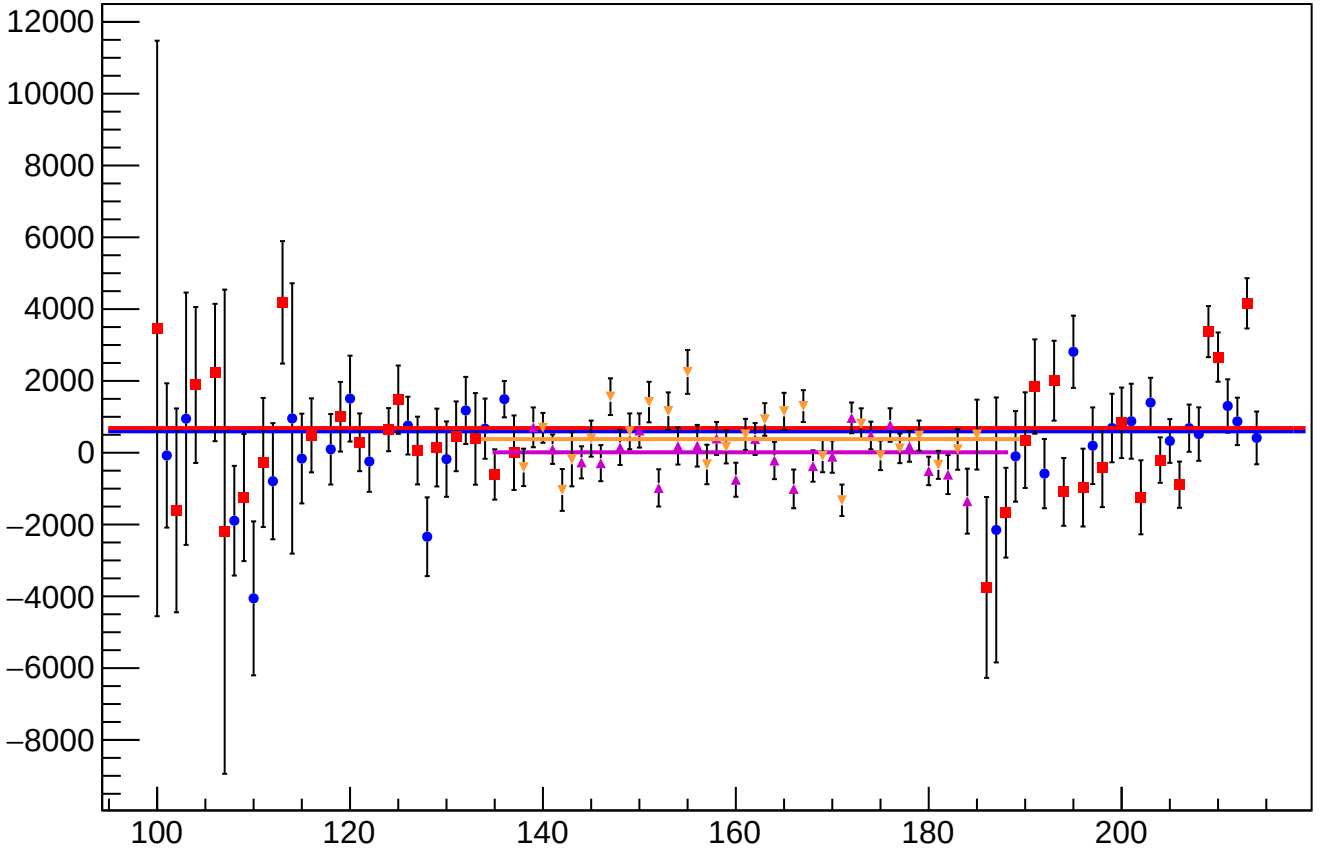
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1832.669+/-0.212 χ^2/NDF: 699561.4/54

All: 1836.972+/-0.151 χ^2/NDF: 1485386.5/11

- sign 1841.386+/-0.215 χ^2/NDF: 784990.4/56

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 595.616+/-167.911 χ^2/NDF: 31.8/29

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 687.028+/-170.943 χ^2/NDF: 87.8/33

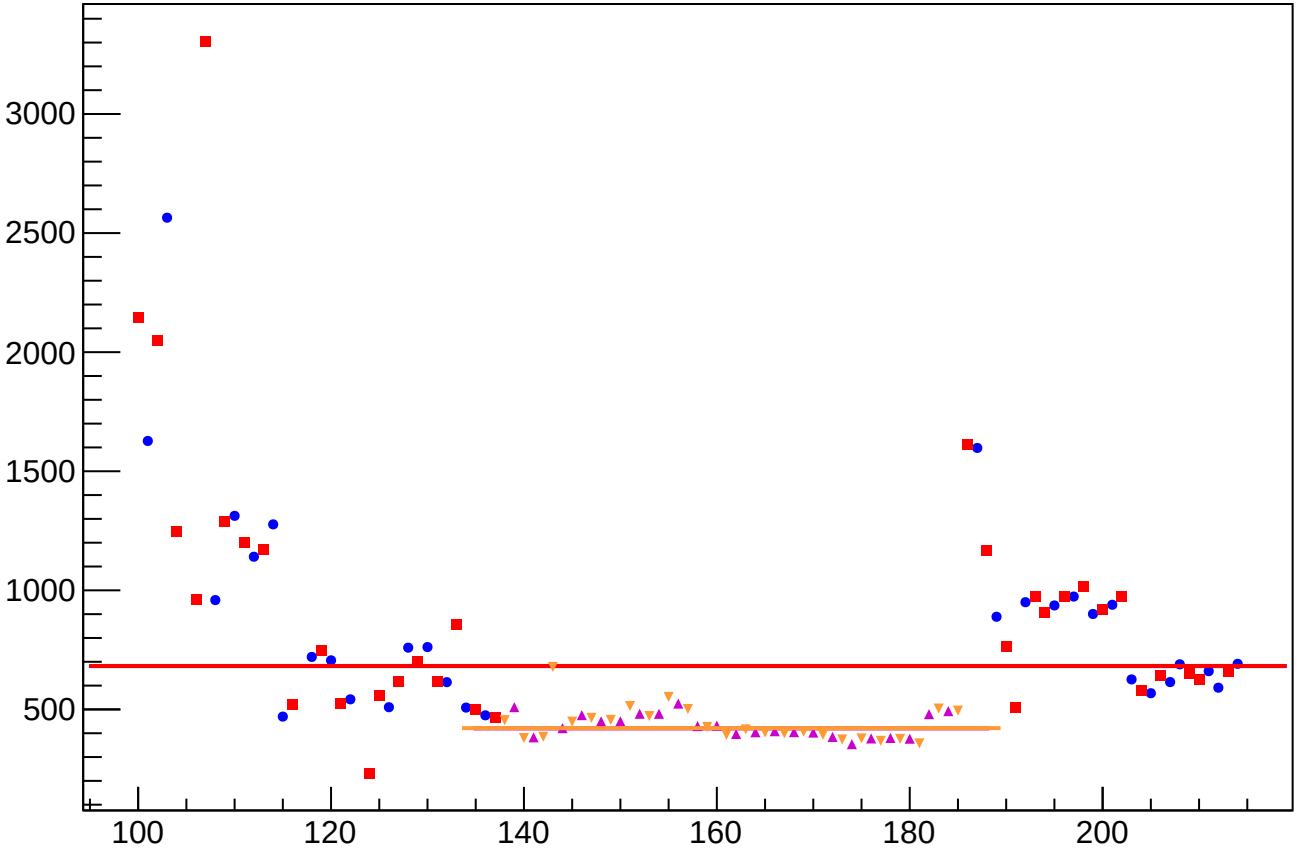
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 433.470+/-84.001 χ^2/NDF: 95.4/54

All: 309.759+/-59.974 χ^2/NDF: 230.4/111

- sign 181.133+/-85.654 χ^2/NDF: 130.6/56

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 681.897+/-0.119 χ^2/NDF: 3107047.0/29

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 682.541+/-0.121 χ^2/NDF: 4708655.9/33

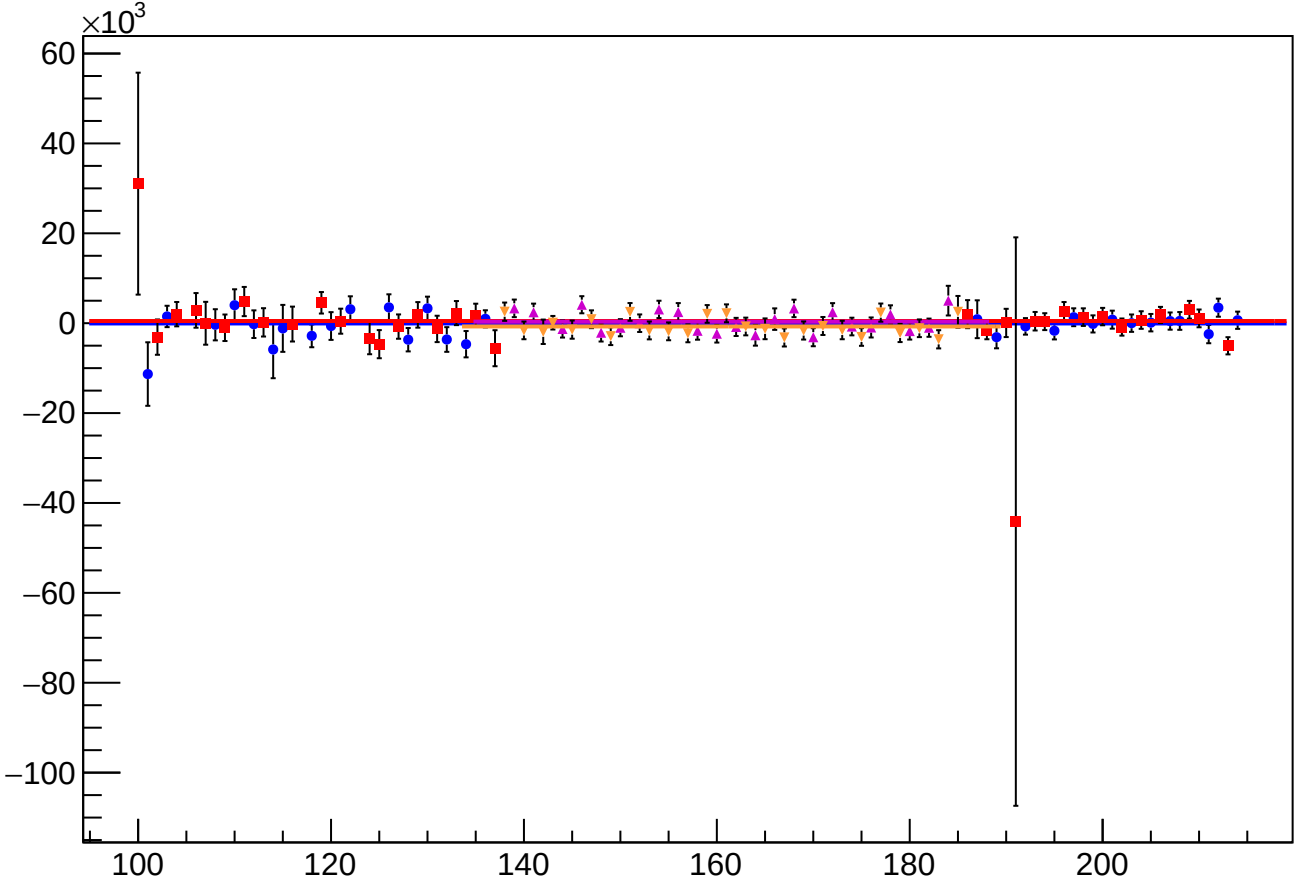
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 486.610+/-0.059 χ^2/NDF: 7458430.4/54

All: 486.350+/-0.042 χ^2/NDF: 16107577.4/11

- sign 486.079+/-0.061 χ^2/NDF: 8649107.9/56

dit_asym_at1_dd_mean vs Slug



Right In: -57.211+/-437.203 χ^2/NDF: 24.9/29

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 485.115+/-434.292 χ^2/NDF: 30.3/33

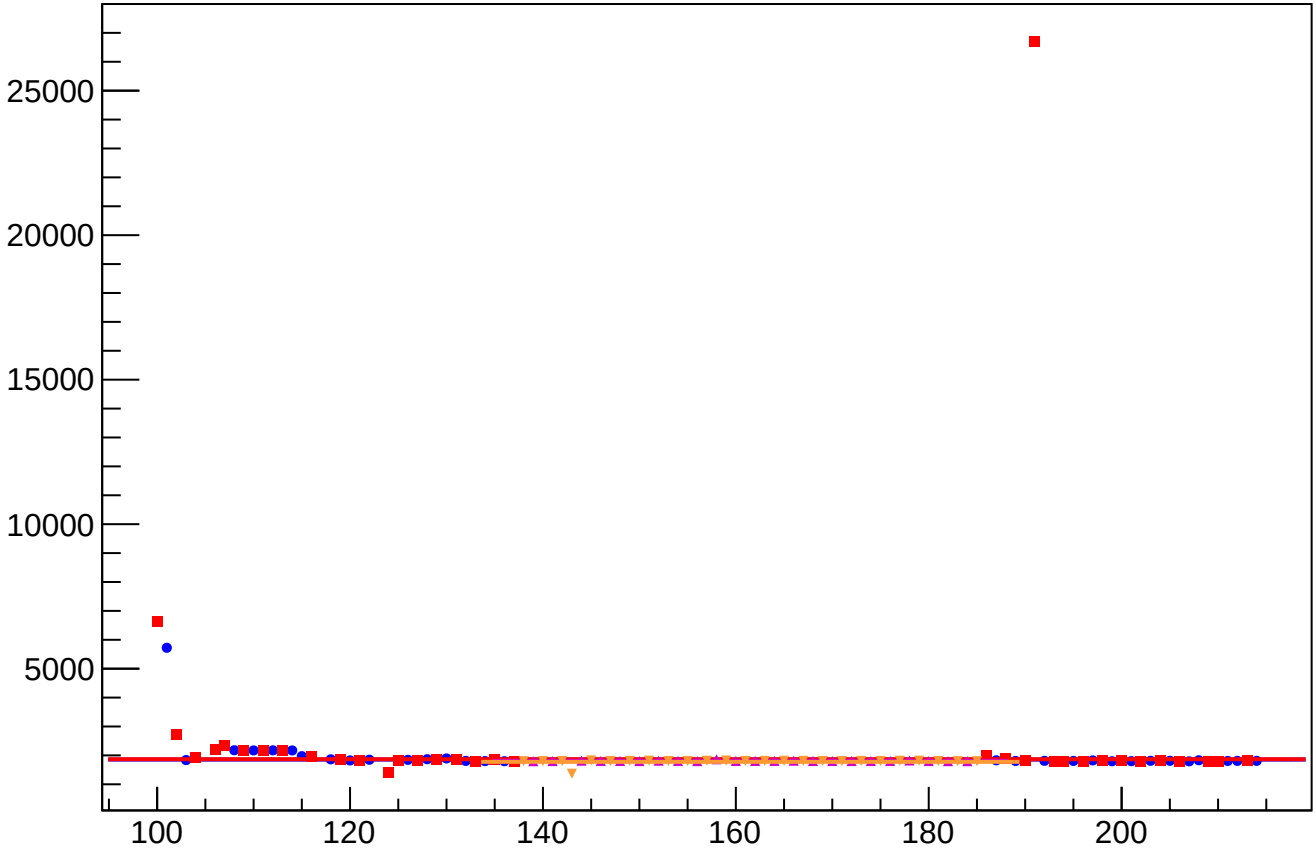
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -416.825+/-296.881 χ^2/NDF: 48.4/54

All: -11.189+/-212.046 χ^2/NDF: 112.2/111

- sign 411.250+/-302.967 χ^2/NDF: 60.0/56

dit_asym_at1_dd_rms vs Slug



Right In: 1854.931+/-0.309 χ^2/NDF: 677963.8/29

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF: 636011.7/33

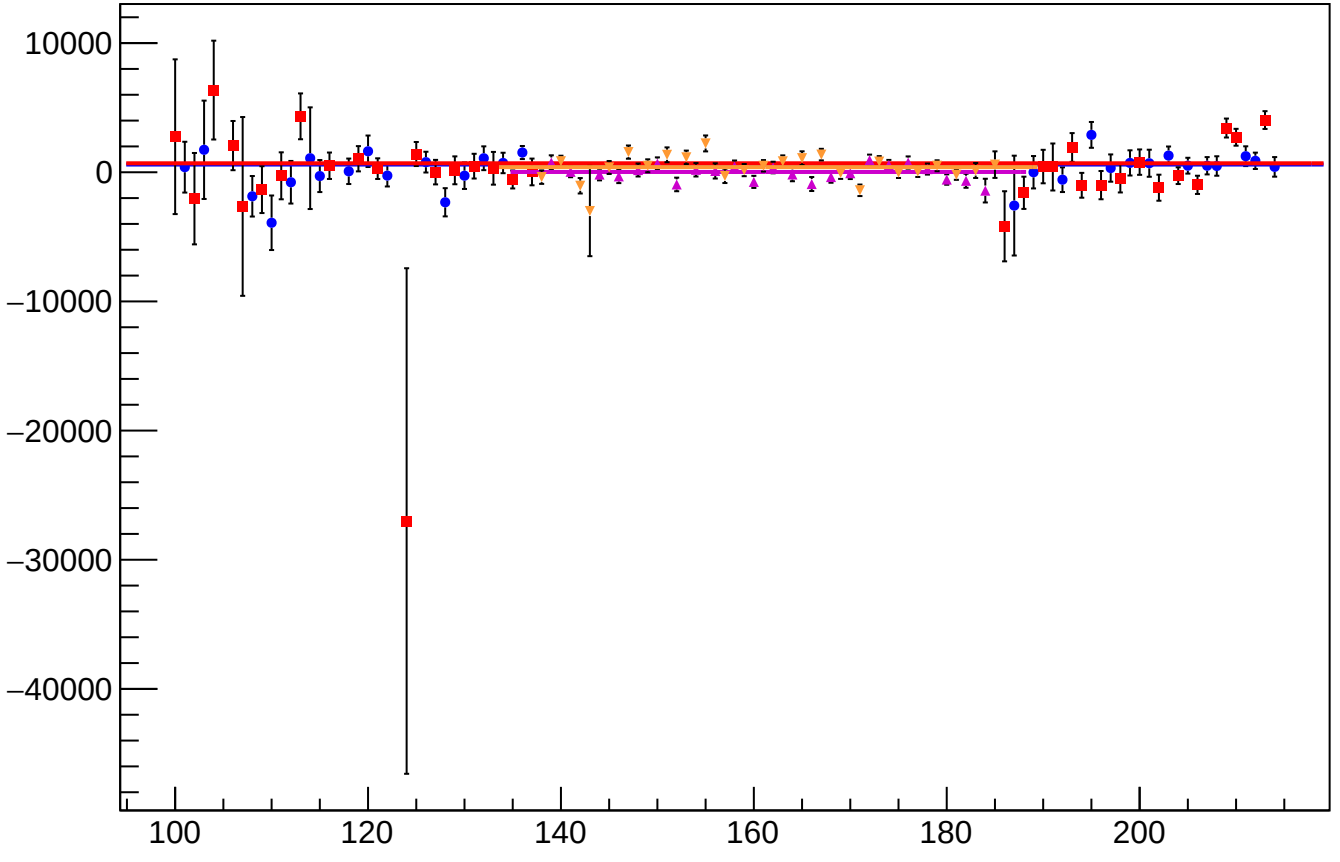
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.784+/-0.210 χ^2/NDF: 873748.2/54

All: 1825.341+/-0.150 χ^2/NDF: 1536201.3/11

- sign 1838.418+/-0.214 χ^2/NDF: 655149.0/56

asym_at1_dd_dit_correction_mean vs Slug



Right In: 597.210+/-167.993 χ^2/NDF: 31.7/29

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 694.556+/-180.293 χ^2/NDF: 89.9/33

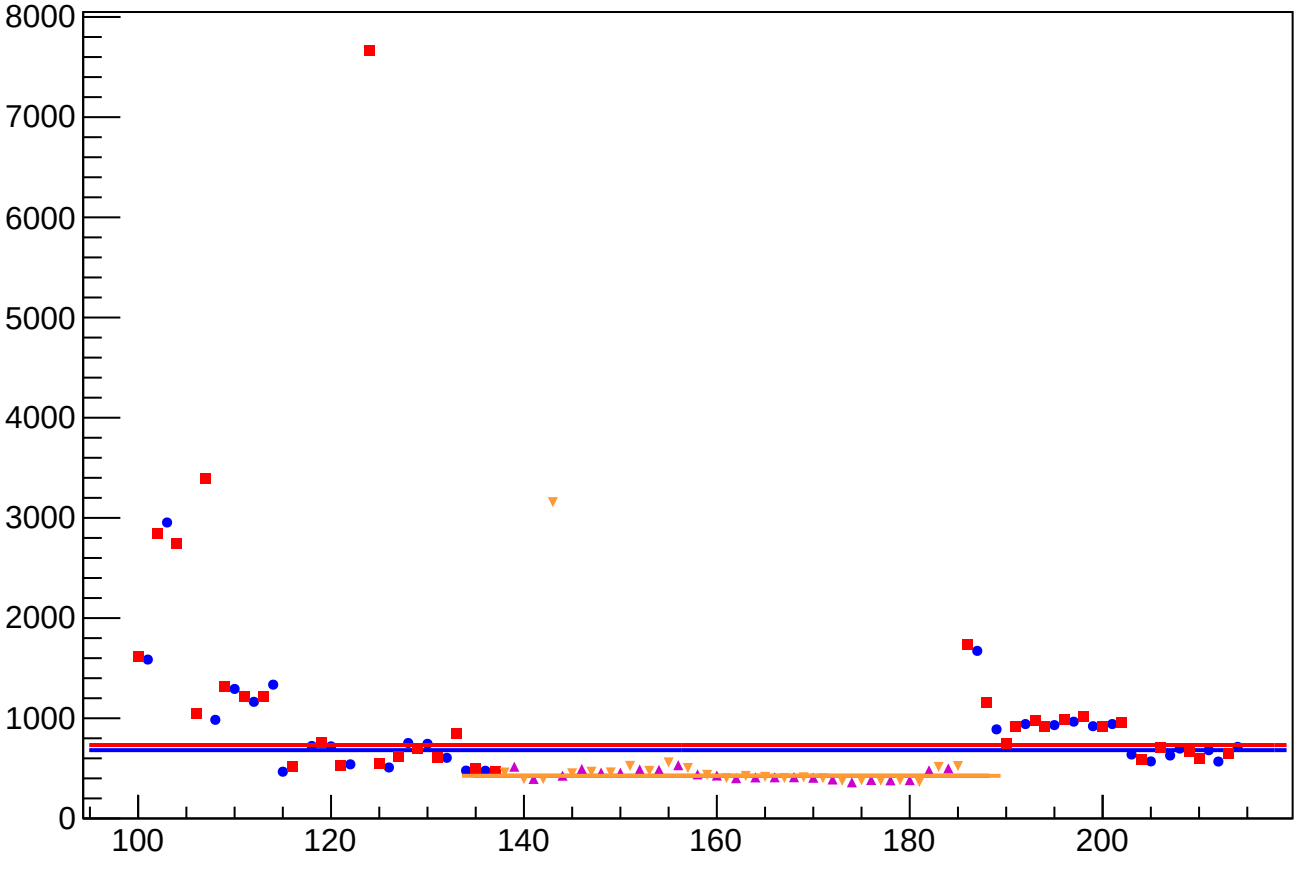
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 449.676+/-85.397 χ^2/NDF: 93.3/54

All: 318.530+/-61.157 χ^2/NDF: 229.5/111

- sign 180.449+/-87.626 χ^2/NDF: 131.4/56

asym_at1_dd_dit_correction_rms vs Slug



Right In: 681.819+/-0.119 χ^2/NDF: 3317459.0/29

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 733.007+/-0.127 χ^2/NDF: 4492779.1/33

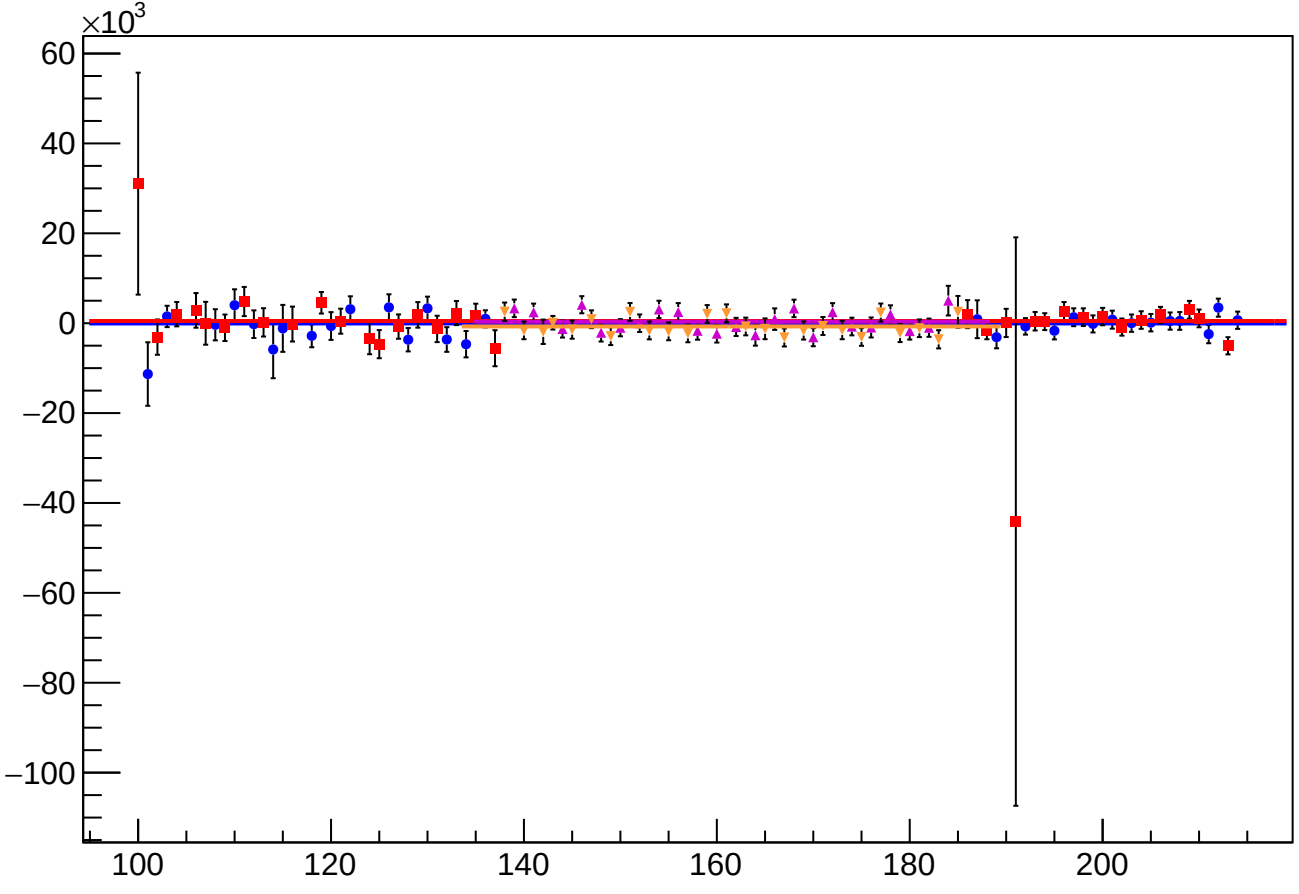
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 491.880+/-0.060 χ^2/NDF: 8483138.6/54

All: 495.168+/-0.043 χ^2/NDF: 17822604.1/11

- sign 498.629+/-0.062 χ^2/NDF: 9333379.3/56

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -57.213+/-437.203 χ^2/NDF: 24.9/29

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 485.113+/-434.292 χ^2/NDF: 30.3/33

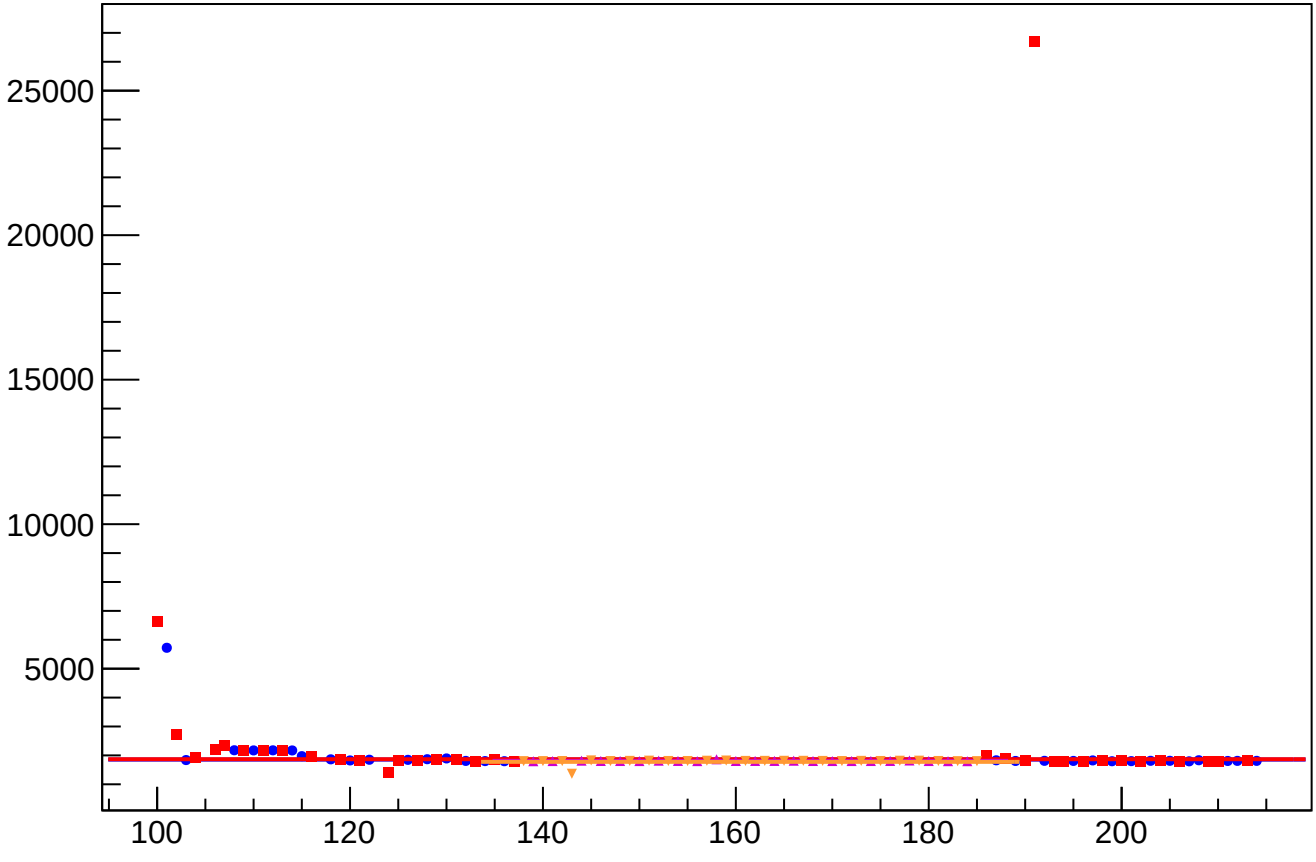
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -416.827+/-296.881 χ^2/NDF: 48.4/54

All: -11.190+/-212.046 χ^2/NDF: 112.2/111

- sign 411.249+/-302.967 χ^2/NDF: 60.0/56

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1854.931+/-0.309 χ^2/NDF: 677963.8/29

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1867.250+/-0.307 χ^2/NDF: 636011.5/33

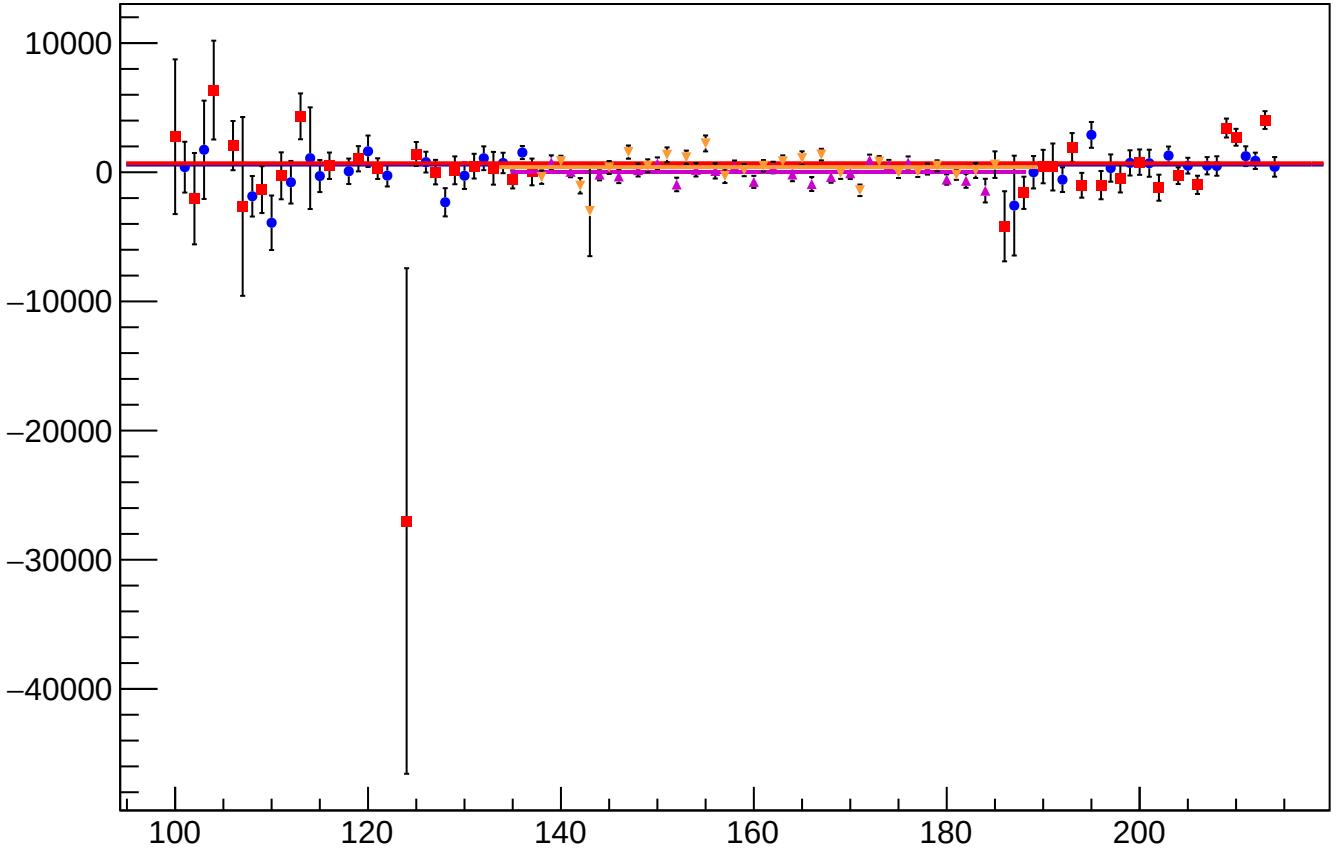
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.784+/-0.210 χ^2/NDF: 873748.2/54

All: 1825.341+/-0.150 χ^2/NDF: 1536201.1/11

- sign 1838.418+/-0.214 χ^2/NDF: 655148.8/56

asym_at1_dd_eigen_dit_correction_mean vs Slug



Right In: 597.209+/-167.993 χ^2/NDF: 31.7/29

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 694.554+/-180.293 χ^2/NDF: 89.9/33

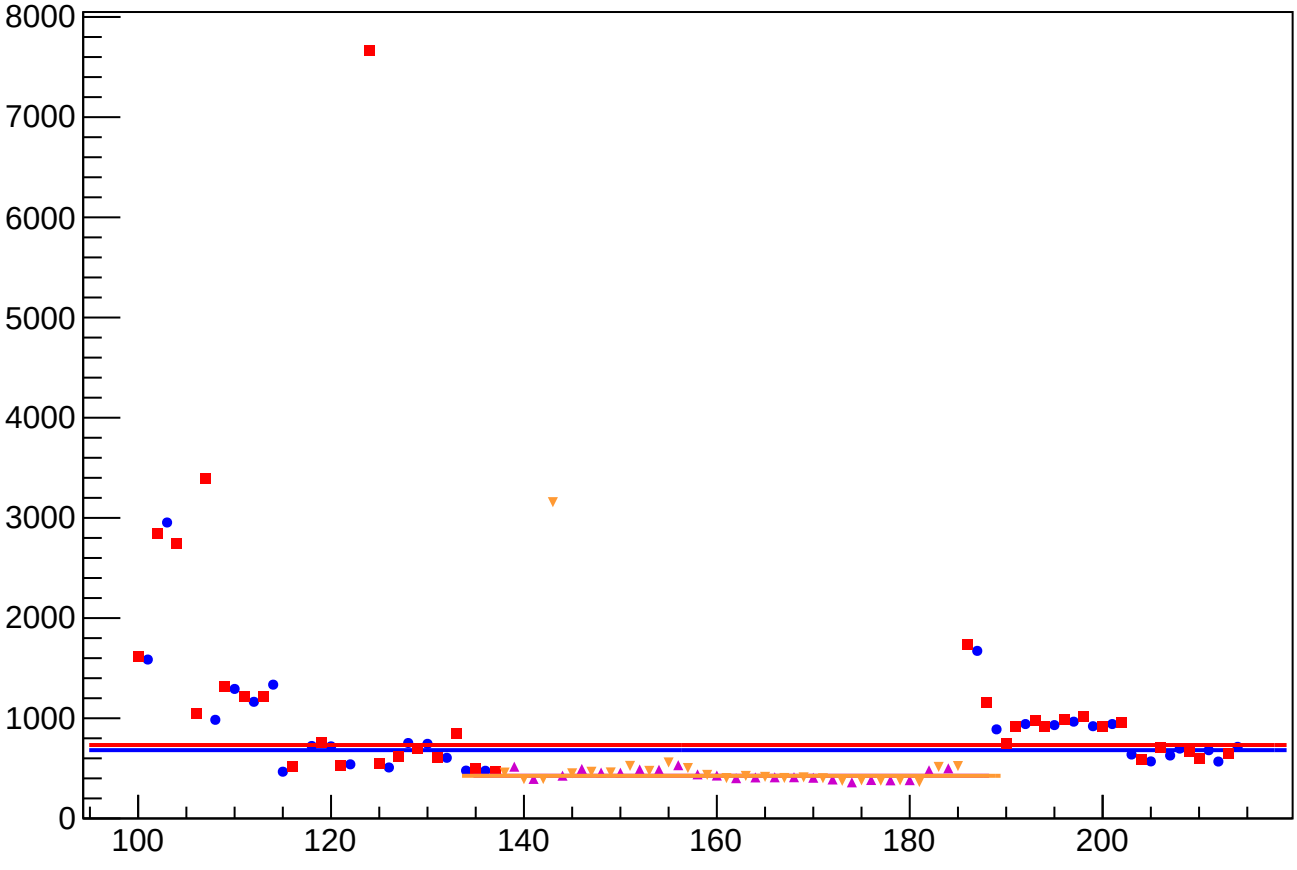
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 449.675+/-85.397 χ^2/NDF: 93.3/54

All: 318.529+/-61.157 χ^2/NDF: 229.5/111

- sign 180.447+/-87.626 χ^2/NDF: 131.4/56

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 681.819+/-0.119 χ^2/NDF: 3317459.0/29

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

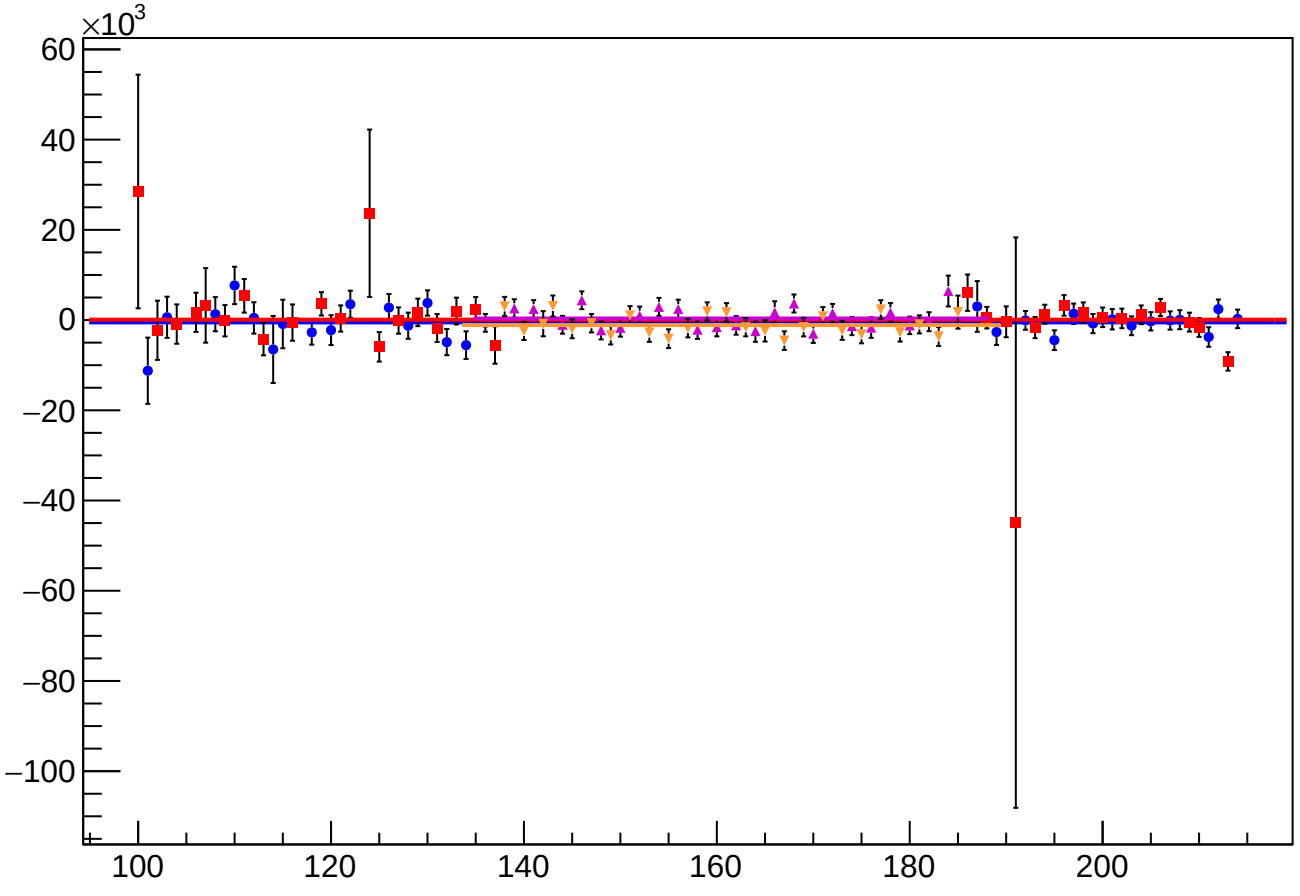
Right Out: 733.008+/-0.127 χ^2/NDF: 4492776.5/33

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 491.879+/-0.060 χ^2/NDF: 8483155.5/54

All: 495.167+/-0.043 χ^2/NDF: 17822638.4/11

- sign 498.629+/-0.062 χ^2/NDF: 9333396.5/56



Right In: -514.397+/-480.909 χ^2/NDF: 28.0/29

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 89.826+/-488.230 χ^2/NDF: 45.3/33

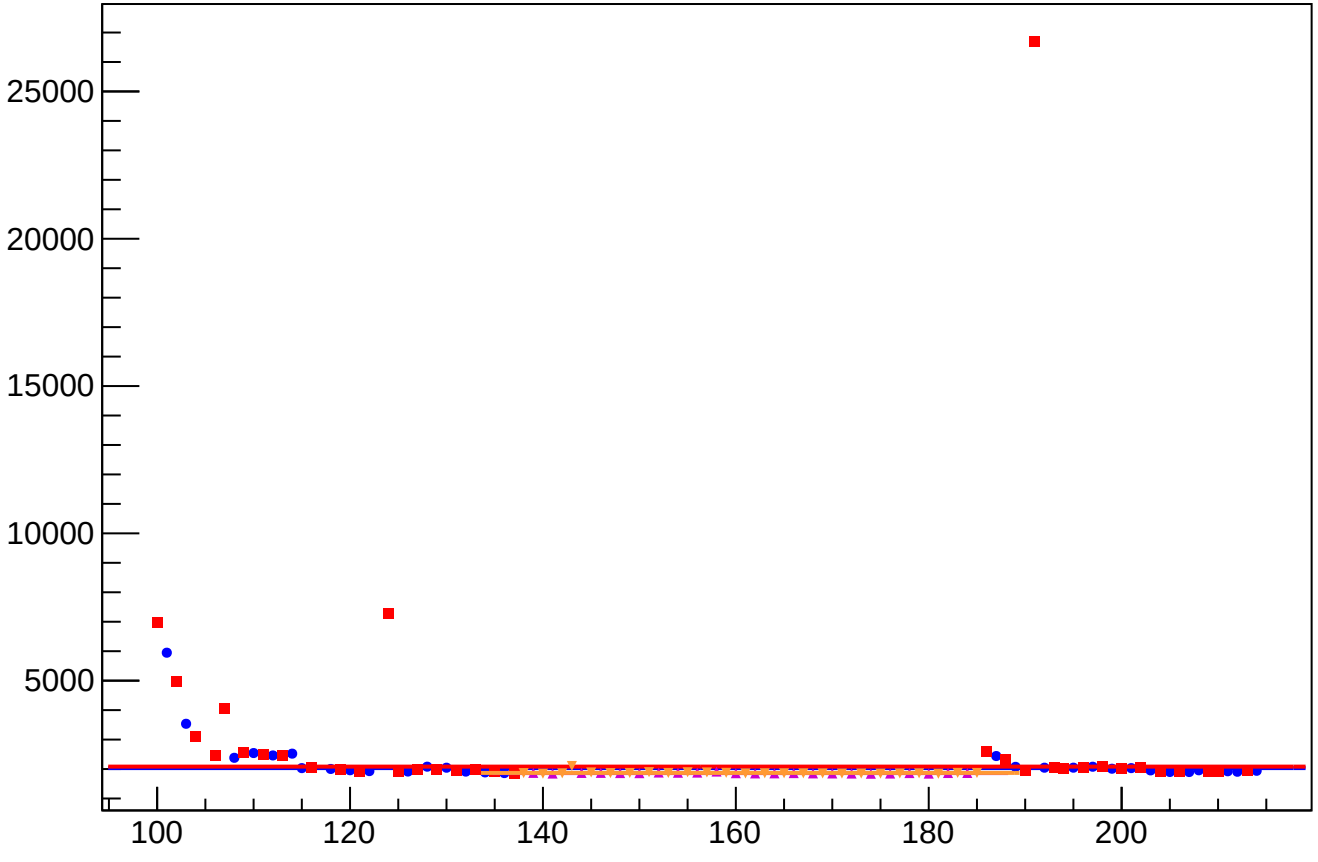
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -846.695+/-318.313 χ^2/NDF: 56.9/54

All: -317.594+/-227.328 χ^2/NDF: 136.8/111

- sign 233.171+/-324.764 χ^2/NDF: 74.2/56

asym_at1_dd_rms vs Slug



Right In: 2032.204+/-0.340 χ^2/NDF: 952400.9/29

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2082.248+/-0.345 χ^2/NDF: 1403582.6/33

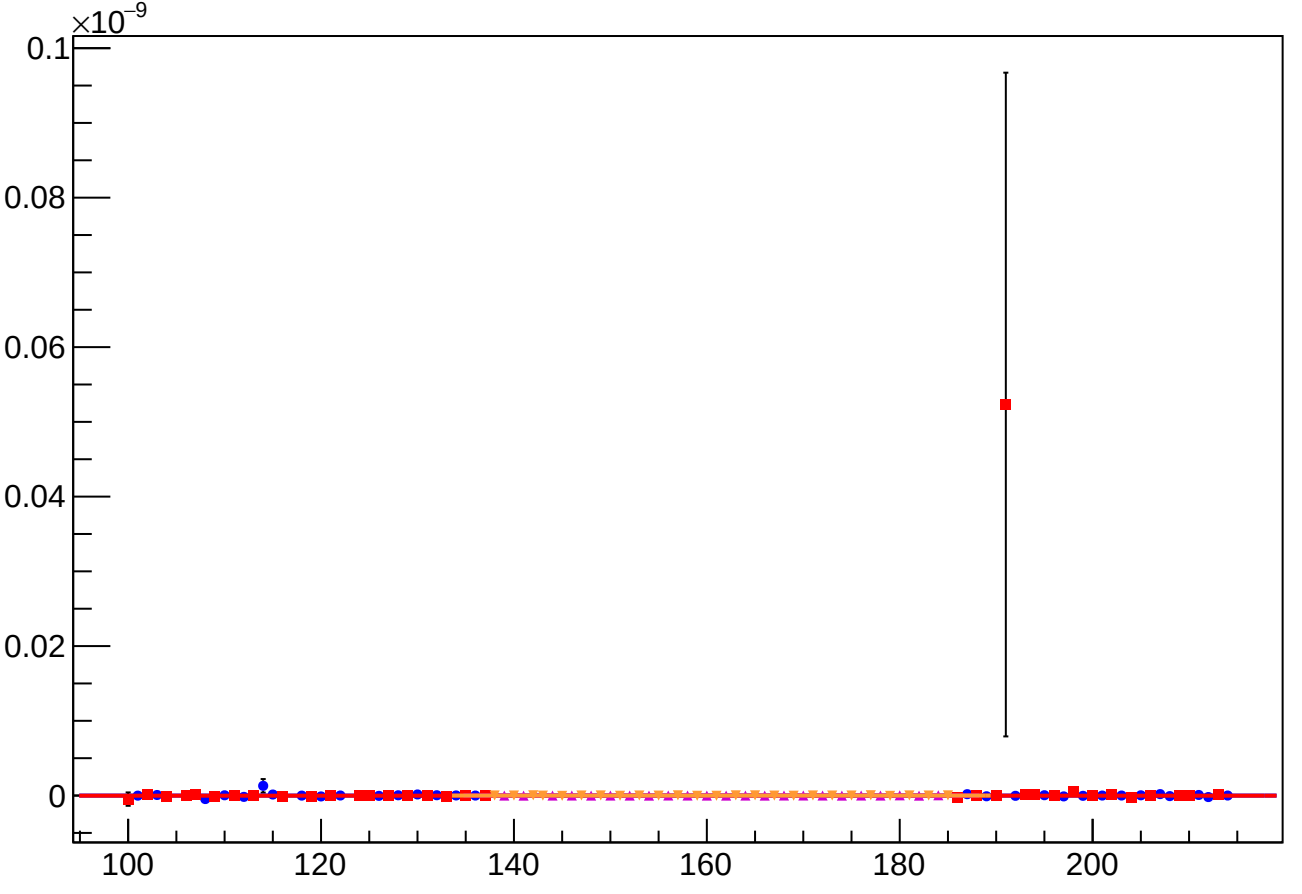
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1940.468+/-0.225 χ^2/NDF: 1105234.0/54

All: 1949.997+/-0.161 χ^2/NDF: 2740404.3/11

- sign 1959.916+/-0.230 χ^2/NDF: 1631512.3/56

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

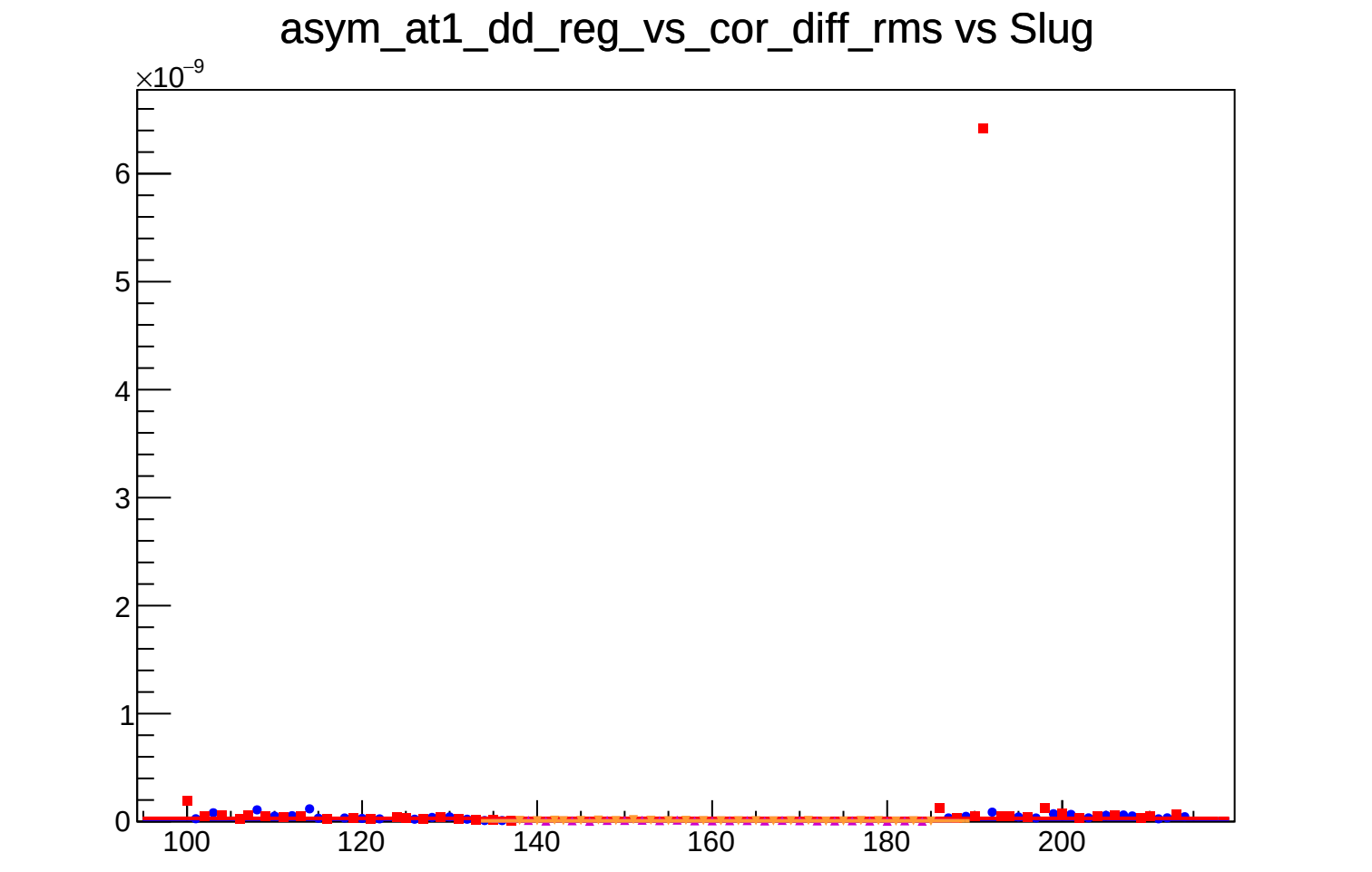
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.9/54

All: 0.000+/-0.000 χ^2/NDF: 133.5/111

- sign 0.000+/-0.000 χ^2/NDF: 54.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 5384508.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3721534.7/33

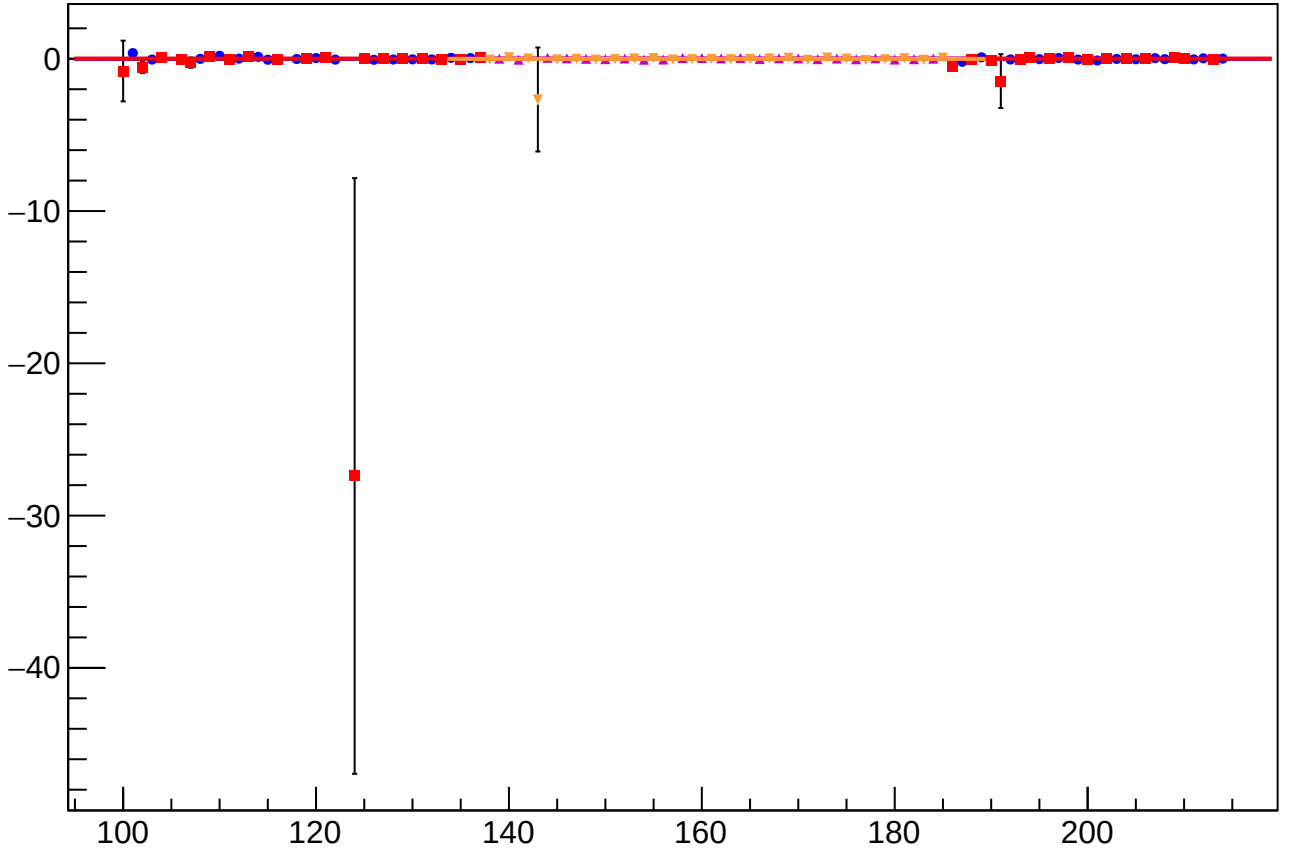
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11018676.2/54

All: 0.000+/-0.000 χ^2/NDF: 22067584.3/111

- sign 0.000+/-0.000 χ^2/NDF: 11047087.3/56

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 29.5/29

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.011 χ^2/NDF: 28.2/33

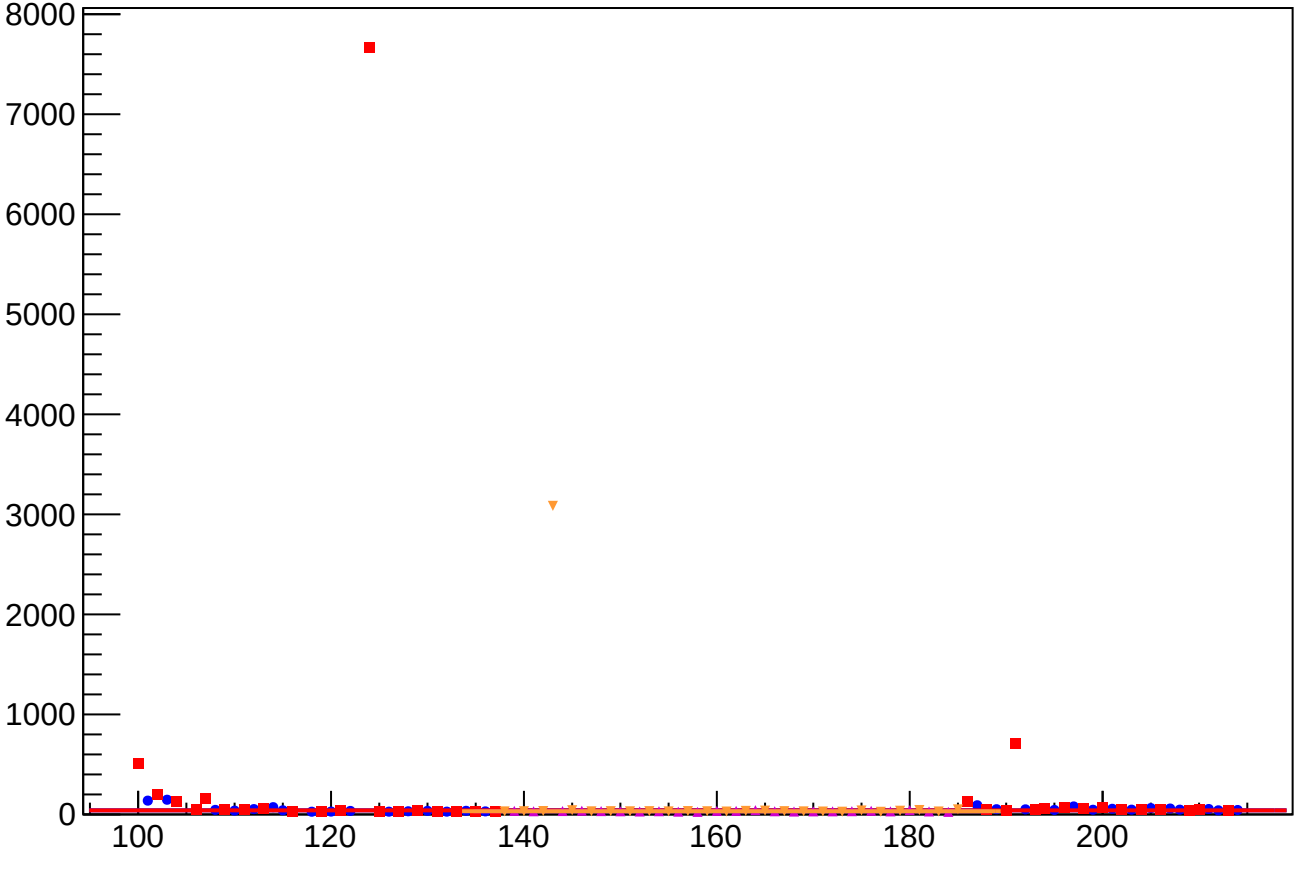
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 69.1/54

All: -0.002+/-0.005 χ^2/NDF: 120.3/111

- sign 0.005+/-0.007 χ^2/NDF: 49.1/56

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.363+/-0.008 χ^2/NDF: 3363825.8/29

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

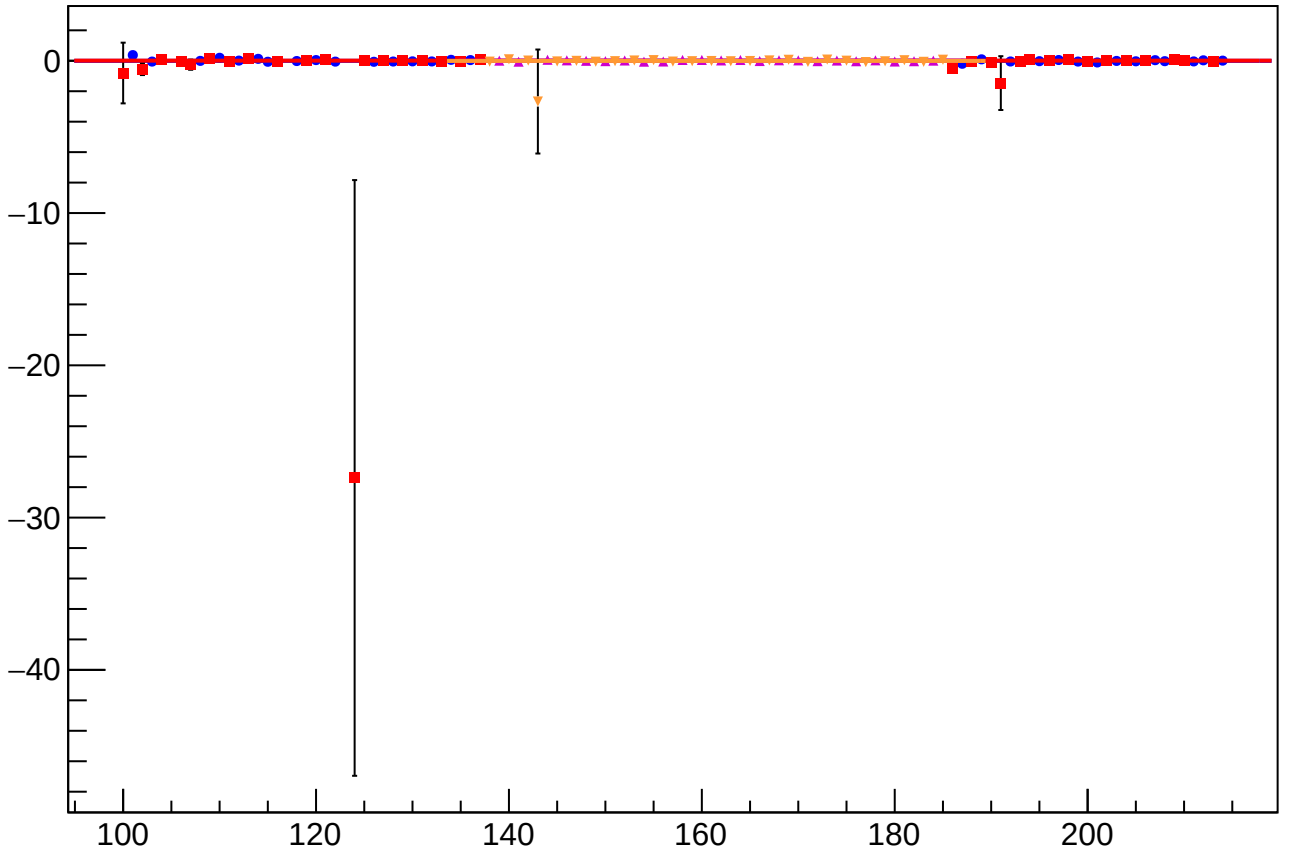
Right Out: 40.895+/-0.008 χ^2/NDF: 4355612.3/33

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.521+/-0.005 χ^2/NDF: 6354563.5/54

All: 35.487+/-0.003 χ^2/NDF: 11884267.0/111

- sign 35.452+/-0.005 χ^2/NDF: 5529597.1/56



Right In: -0.006+/-0.011 χ^2/NDF: 29.5/29

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.011 χ^2/NDF: 28.2/33

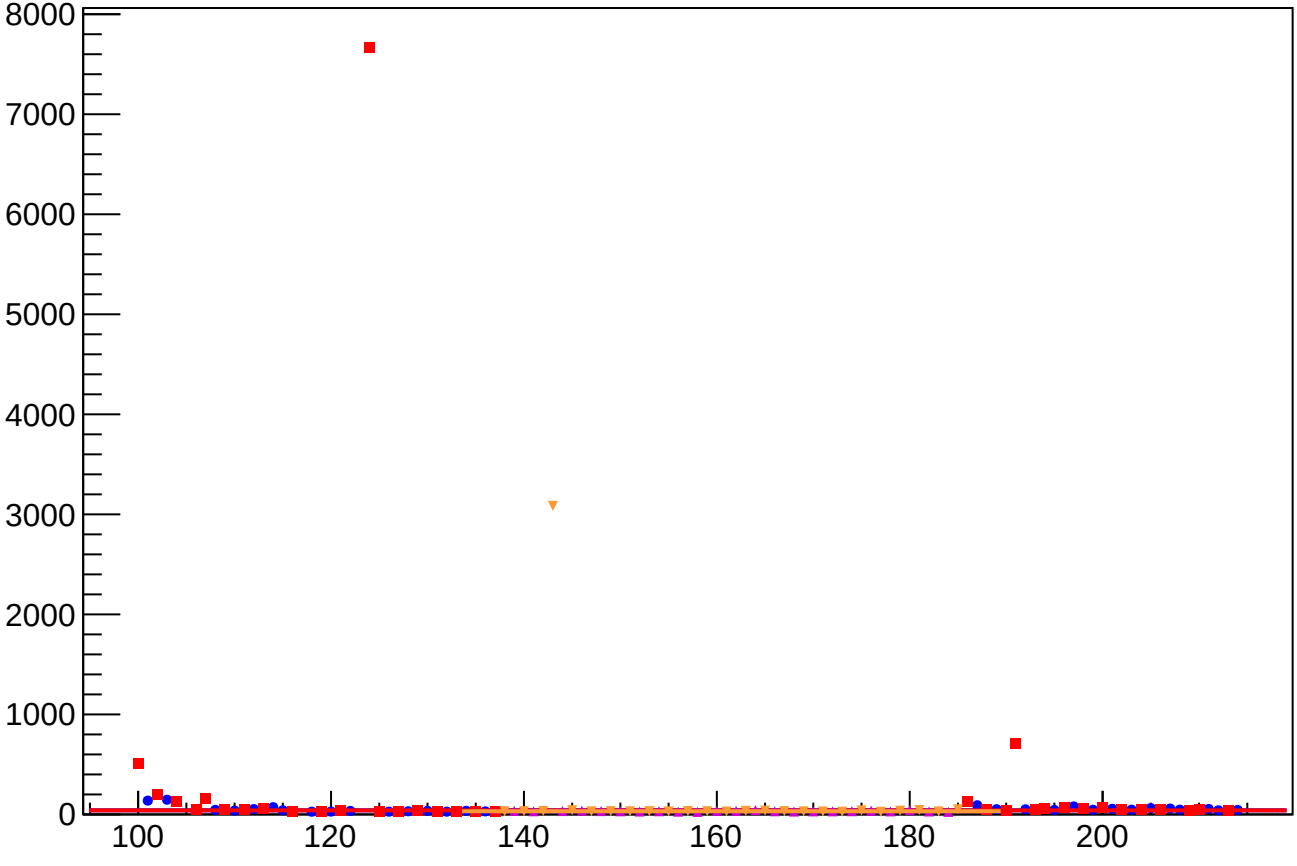
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 69.1/54

All: -0.002+/-0.005 χ^2/NDF: 120.3/111

- sign 0.005+/-0.007 χ^2/NDF: 49.1/56

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.363+/-0.008 χ^2/NDF: 3363825.8/29

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

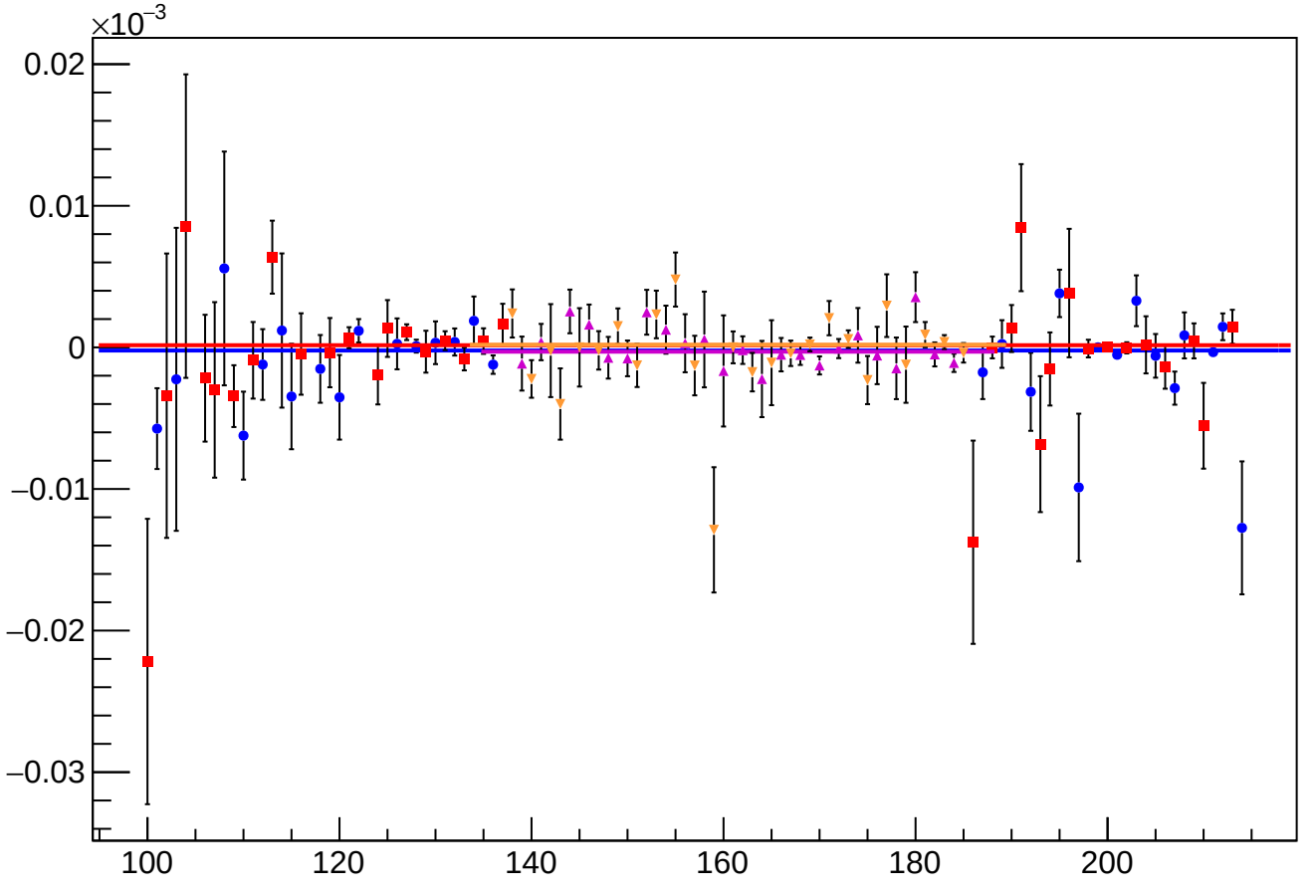
Right Out: 40.895+/-0.008 χ^2/NDF: 4355612.3/33

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.521+/-0.005 χ^2/NDF: 6354563.5/54

All: 35.487+/-0.003 χ^2/NDF: 11884267.0/111

- sign 35.452+/-0.005 χ^2/NDF: 5529597.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 50.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/33

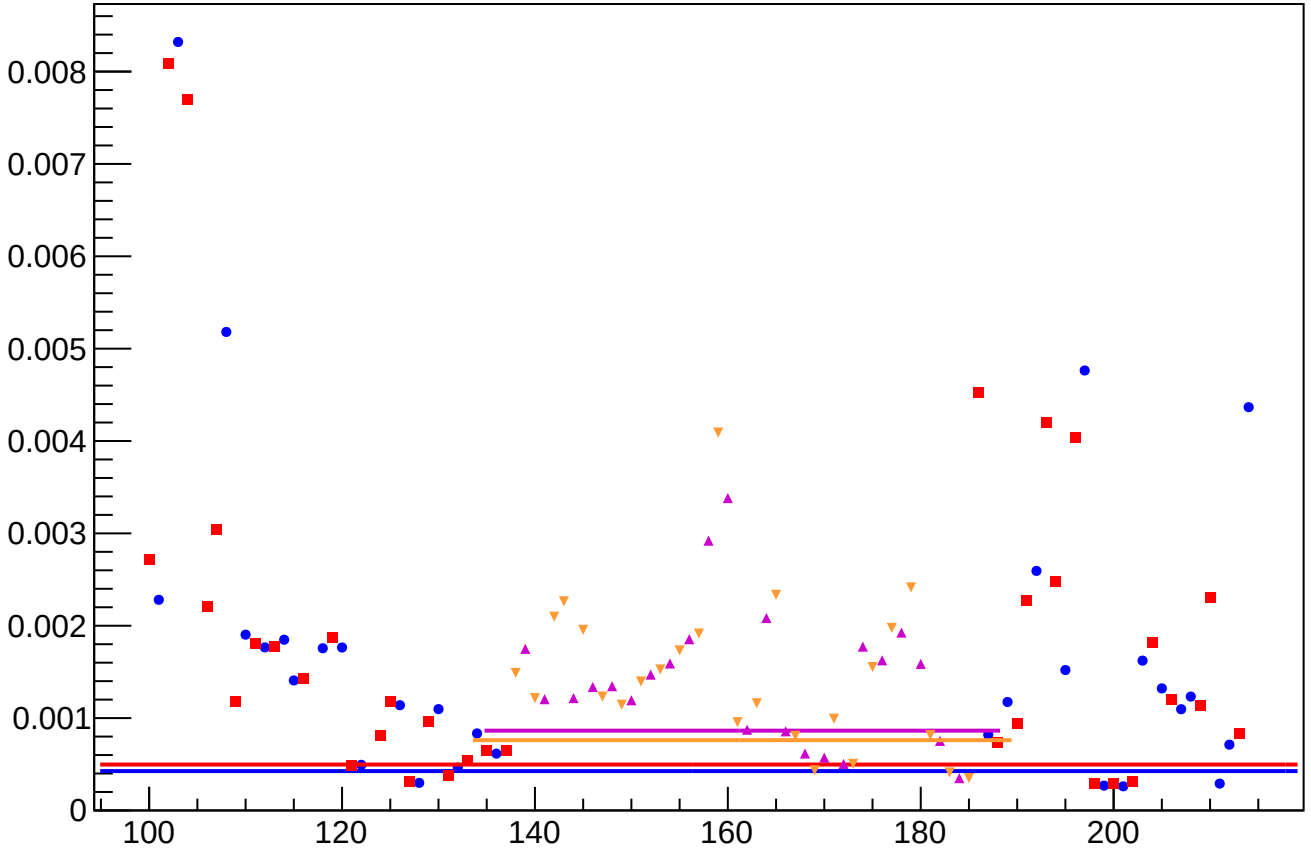
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 90.9/54

All: -0.000+/-0.000 χ^2/NDF: 153.7/111

- sign 0.000+/-0.000 χ^2/NDF: 62.4/56

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15931174.0/29

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

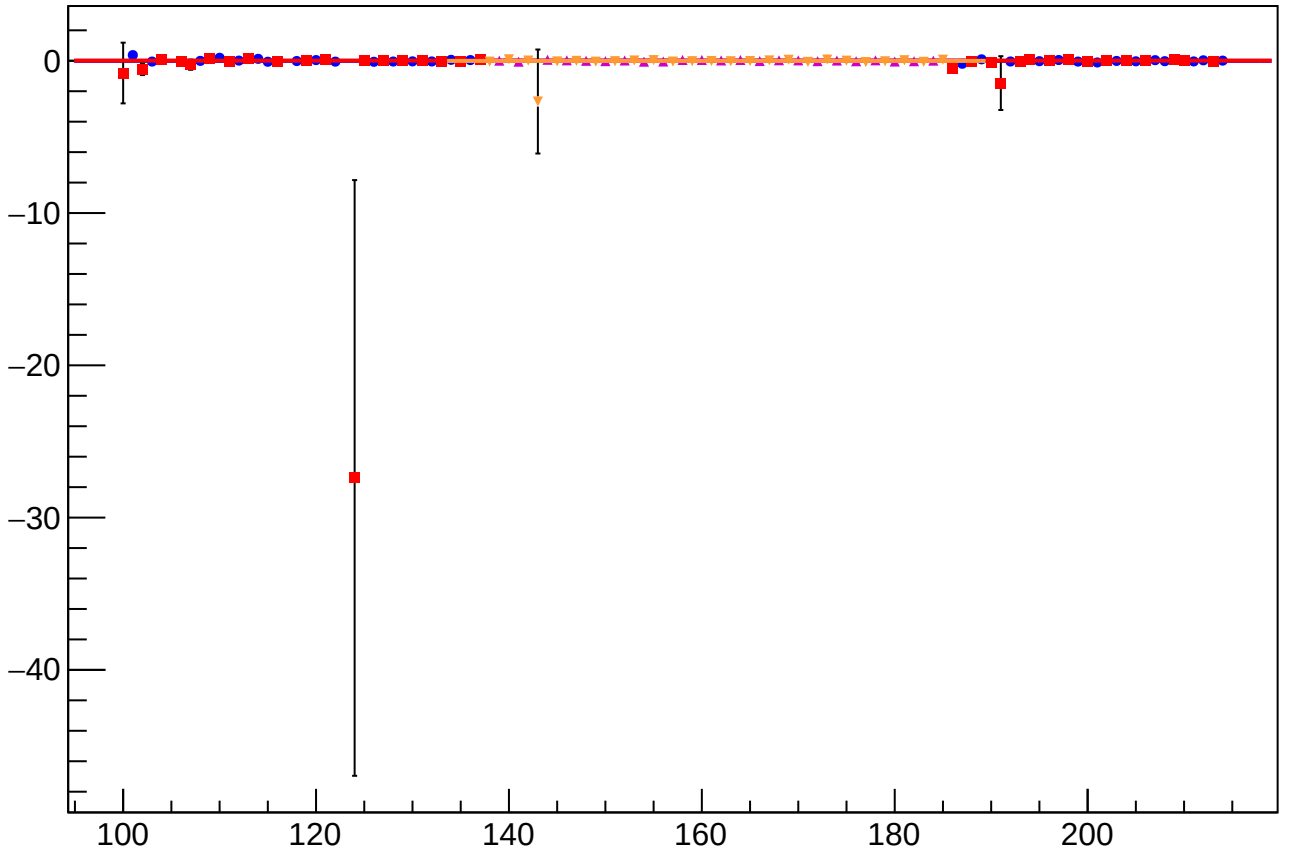
Right Out: 0.000+/-0.000 χ^2/NDF: 14741885.2/33

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 30439920.2/54

All: 0.001+/-0.000 χ^2/NDF: 57243502.8/111

- sign 0.001+/-0.000 χ^2/NDF: 26351730.3/56



Right In: -0.006+/-0.011 χ^2/NDF: 29.5/29

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.008+/-0.011 χ^2/NDF: 28.2/33

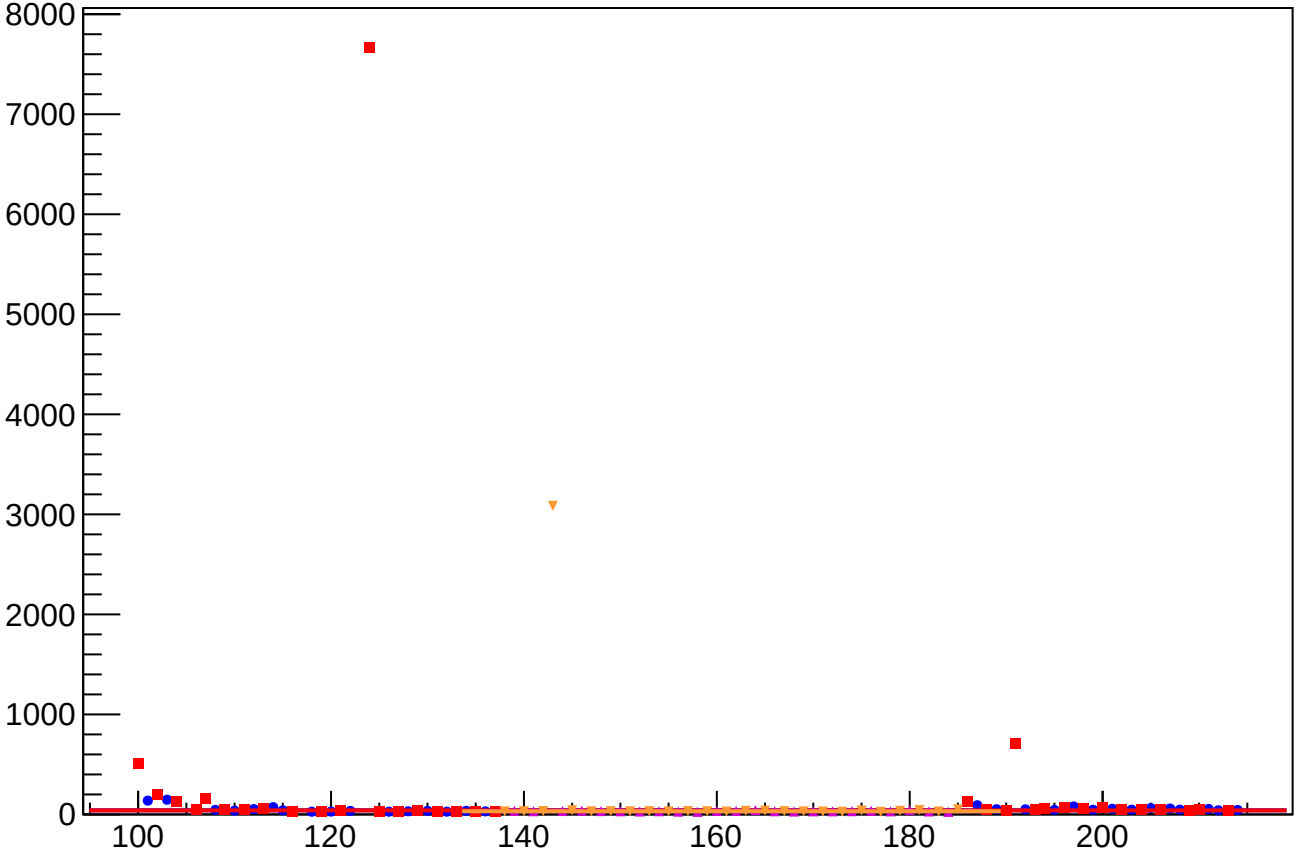
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 69.1/54

All: -0.002+/-0.005 χ^2/NDF: 120.3/111

- sign 0.005+/-0.007 χ^2/NDF: 49.1/56

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.363+/-0.008 χ^2/NDF: 3363818.9/29

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

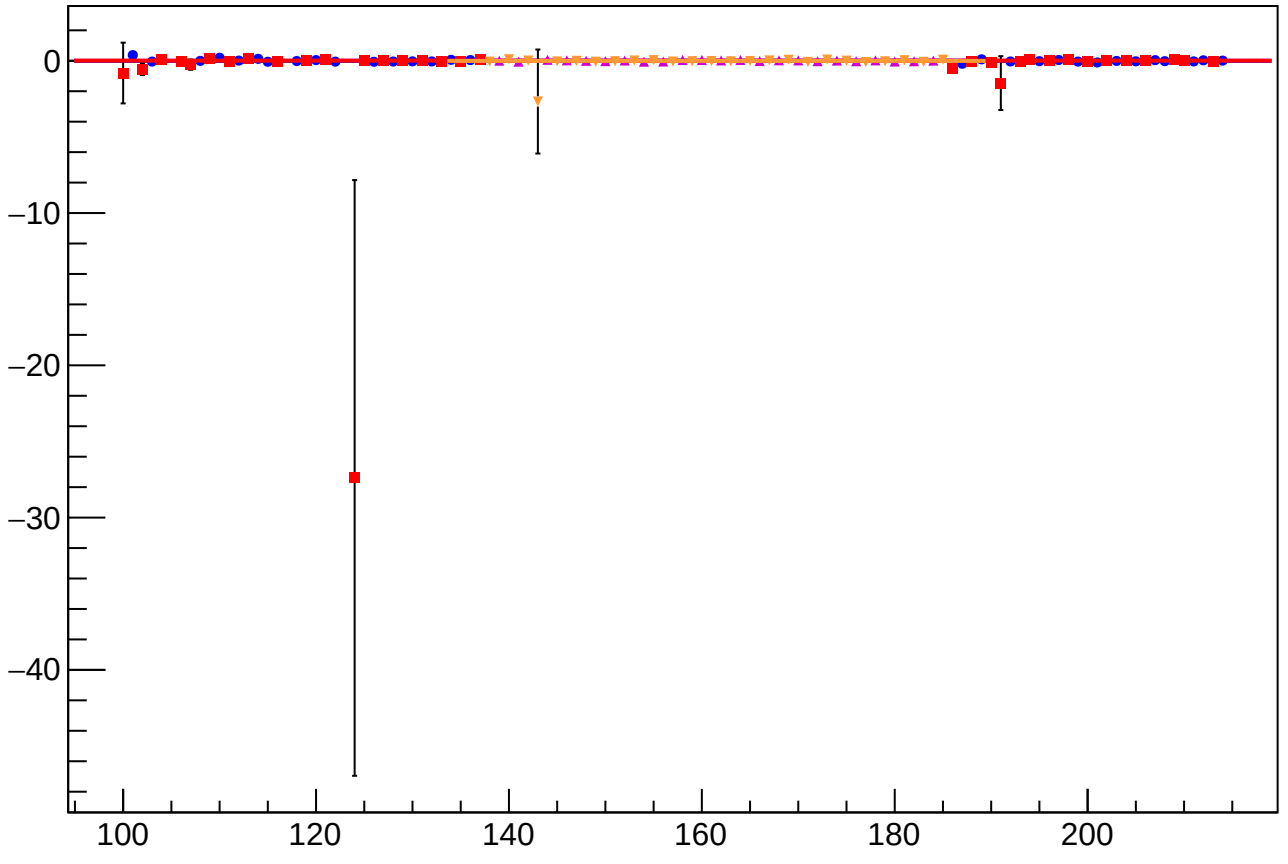
Right Out: 40.895+/-0.008 χ^2/NDF: 4355626.6/33

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.521+/-0.005 χ^2/NDF: 6354615.0/54

All: 35.487+/-0.003 χ^2/NDF: 11884210.1/111

- sign 35.453+/-0.005 χ^2/NDF: 5529489.5/56



Right In: -0.006+/-0.011 χ^2/NDF: 29.5/29

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

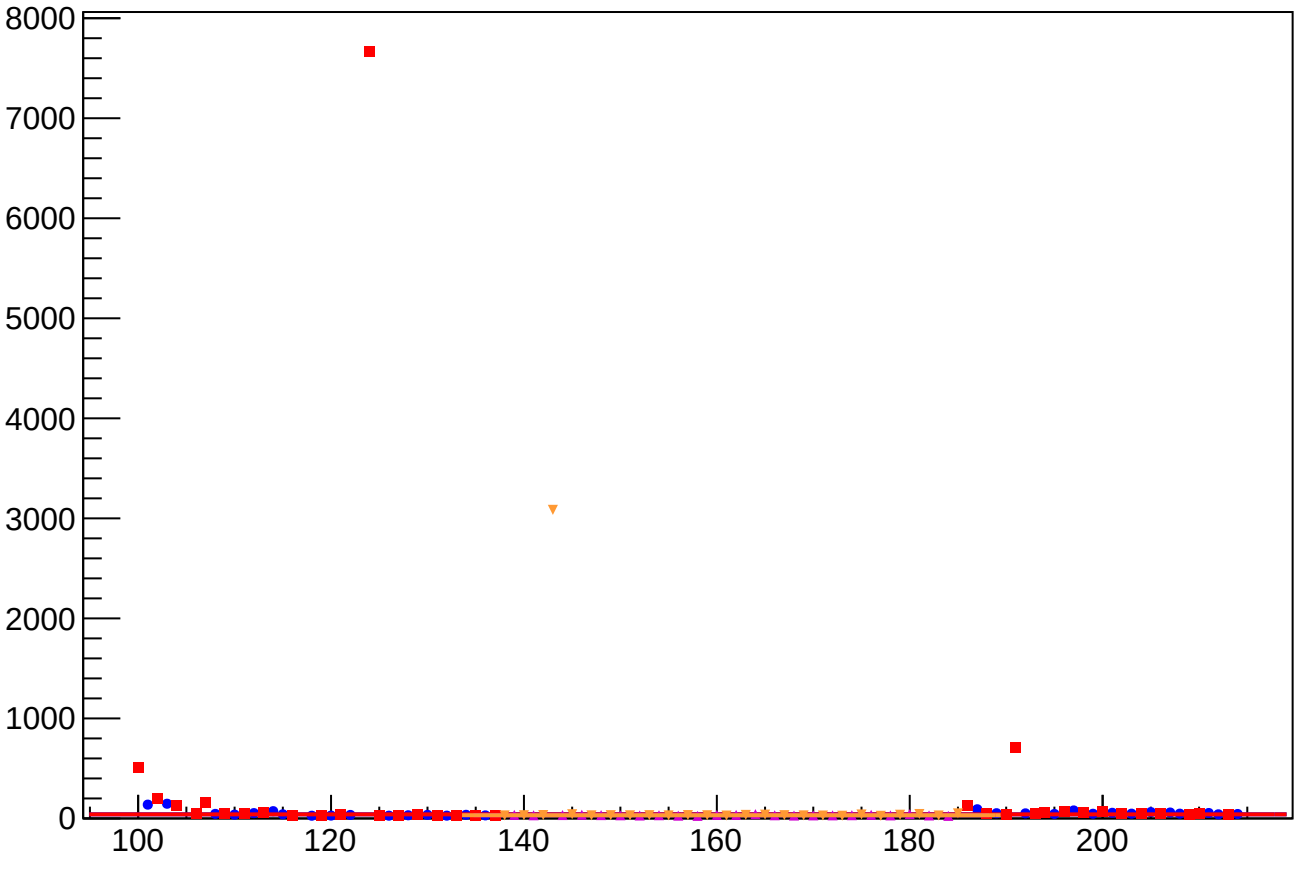
Right Out: 0.008+/-0.011 χ^2/NDF: 28.2/33

Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.008+/-0.007 χ^2/NDF: 69.1/54

All: -0.002+/-0.005 χ^2/NDF: 120.3/111

- sign 0.005+/-0.007 χ^2/NDF: 49.1/56



Right In: 41.363+/-0.008 χ^2/NDF: 3363818.9/29

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.895+/-0.008 χ^2/NDF: 4355626.6/33

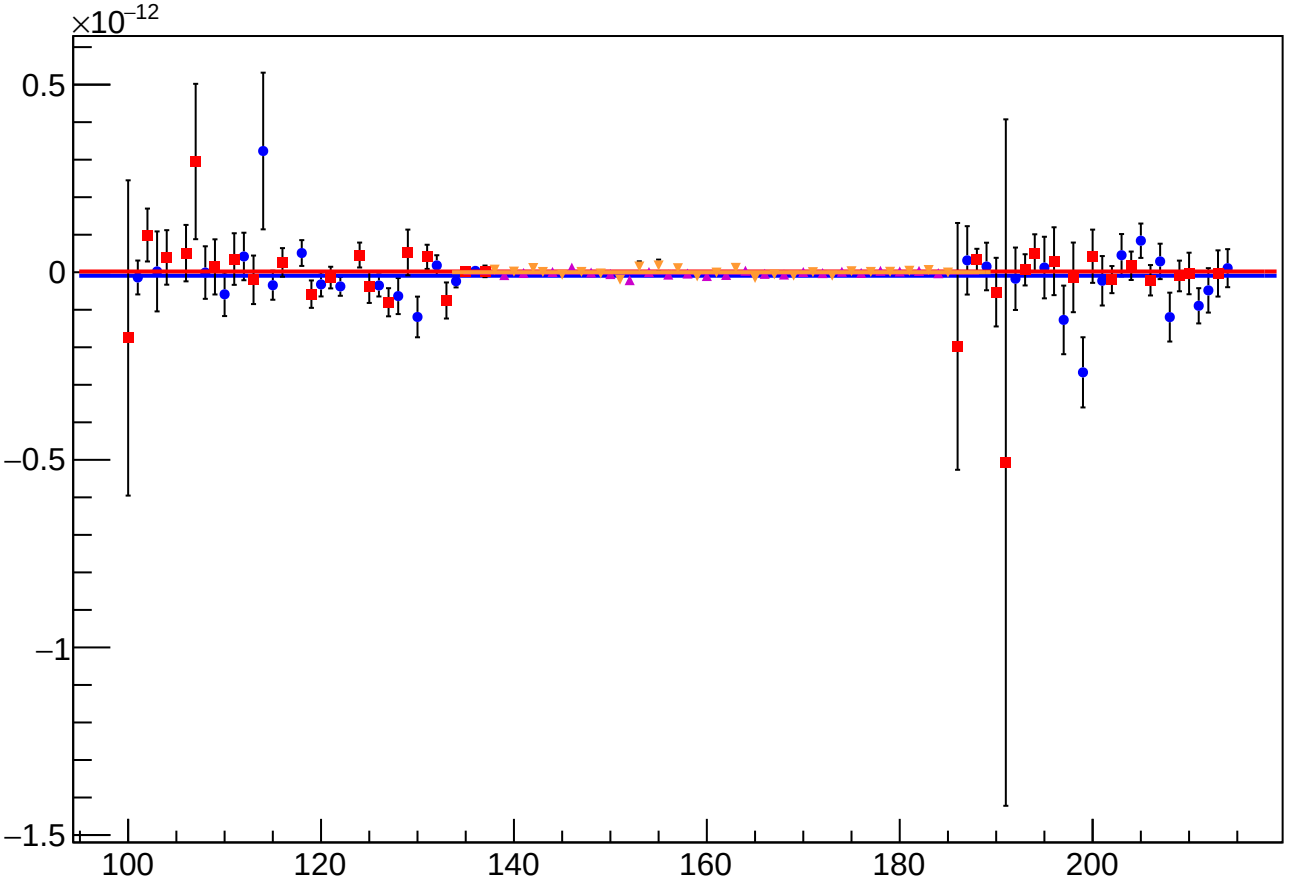
Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.521+/-0.005 χ^2/NDF: 6354615.0/54

All: 35.487+/-0.003 χ^2/NDF: 11884210.1/111

- sign 35.453+/-0.005 χ^2/NDF: 5529489.5/56

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

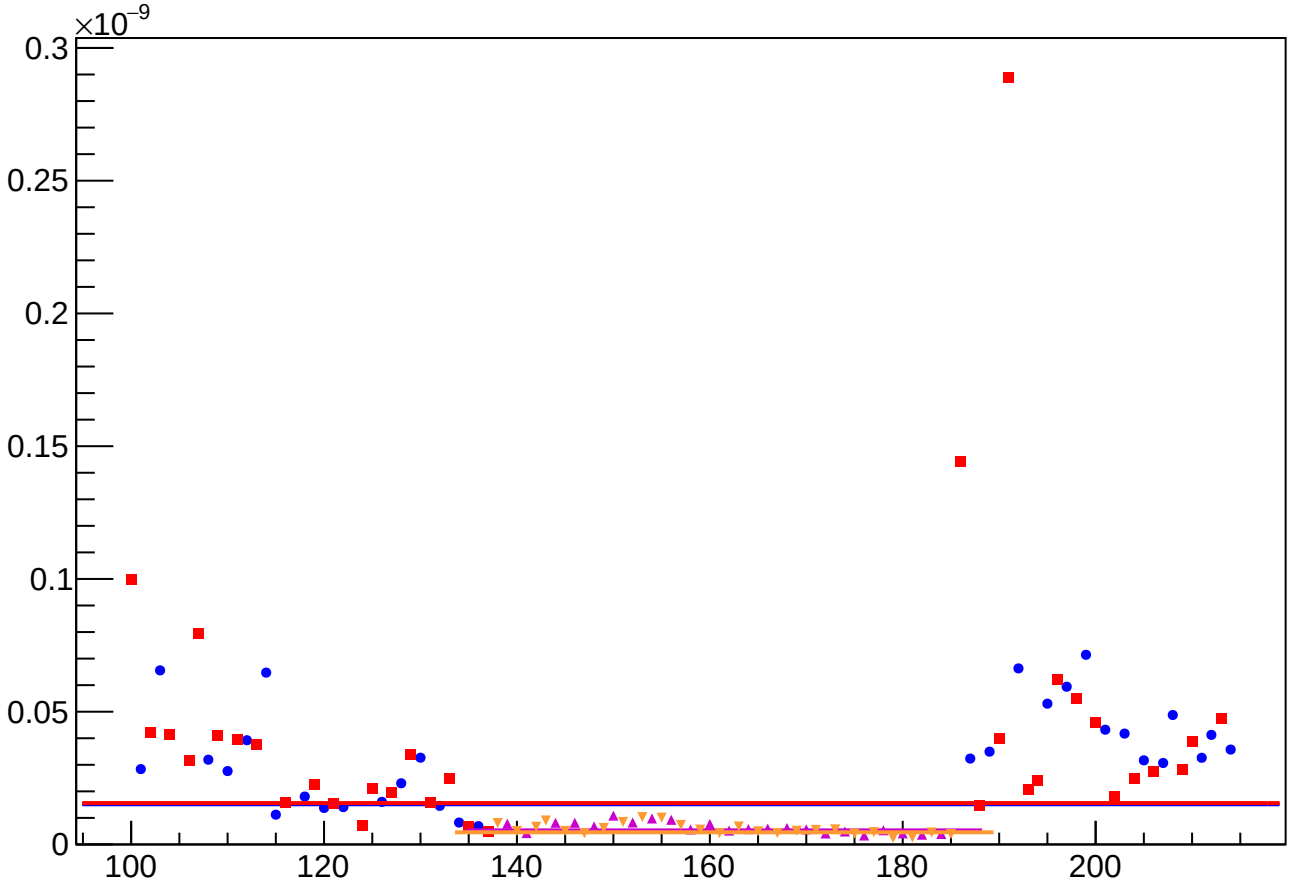
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/33

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/54

All: -0.000+/-0.000 χ^2/NDF: 99.3/111

- sign -0.000+/-0.000 χ^2/NDF: 34.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 8976225.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7542376.6/33

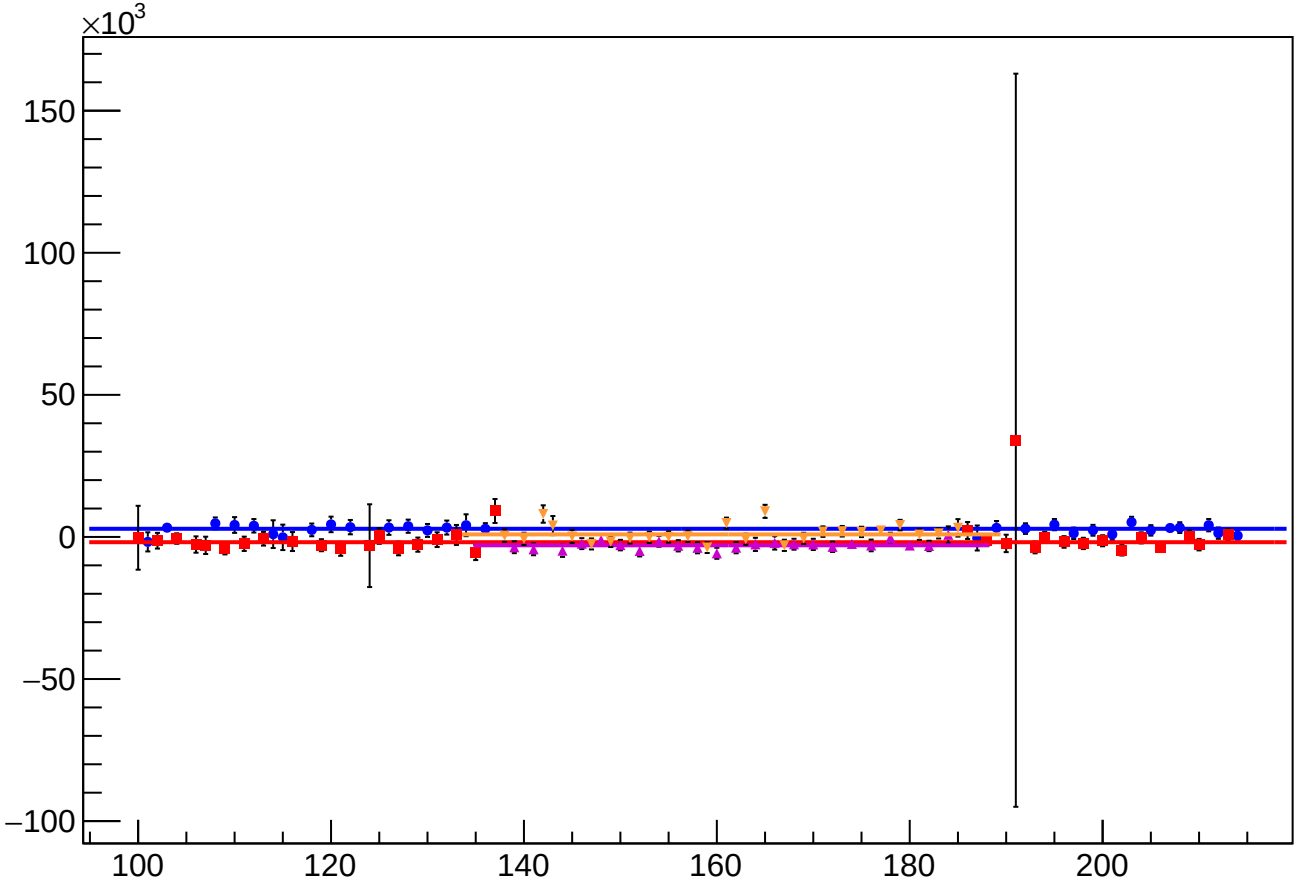
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17697177.1/54

All: 0.000+/-0.000 χ^2/NDF: 32682557.4/111

- sign 0.000+/-0.000 χ^2/NDF: 14726360.5/56

reg_asym_at2_avg_mean vs Slug



Right In: 2871.777+/-408.820 χ^2/NDF: 11.3/29

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1853.330+/-407.581 χ^2/NDF: 25.0/33

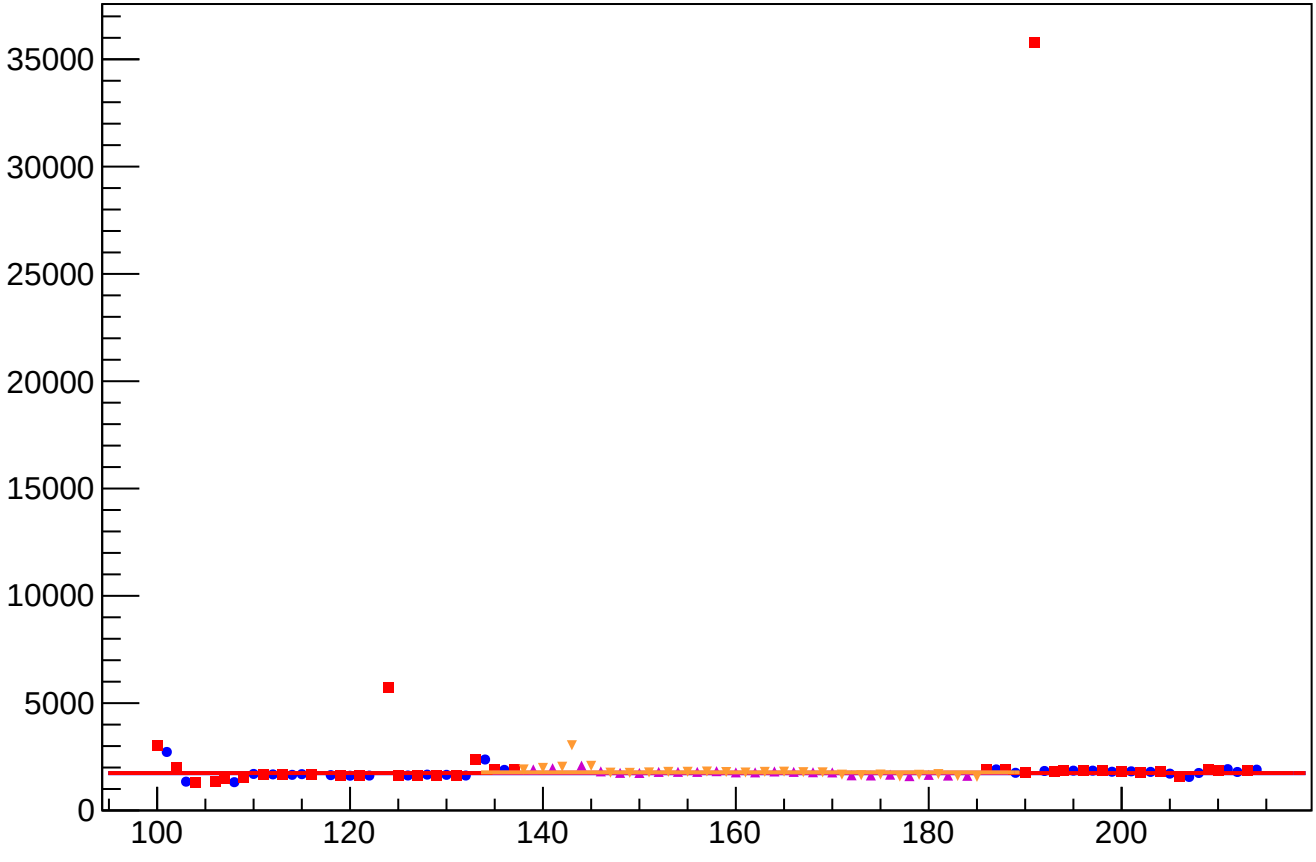
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1877.405+/-287.913 χ^2/NDF: 68.3/54

All: -243.689+/-204.241 χ^2/NDF: 216.7/111

- sign -2392.339+/-289.777 χ^2/NDF: 39.1/56

reg_asym_at2_avg_rms vs Slug



Right In: 1736.236+/-0.289 χ^2/NDF: 527389.0/29

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1742.643+/-0.288 χ^2/NDF: 723704.9/33

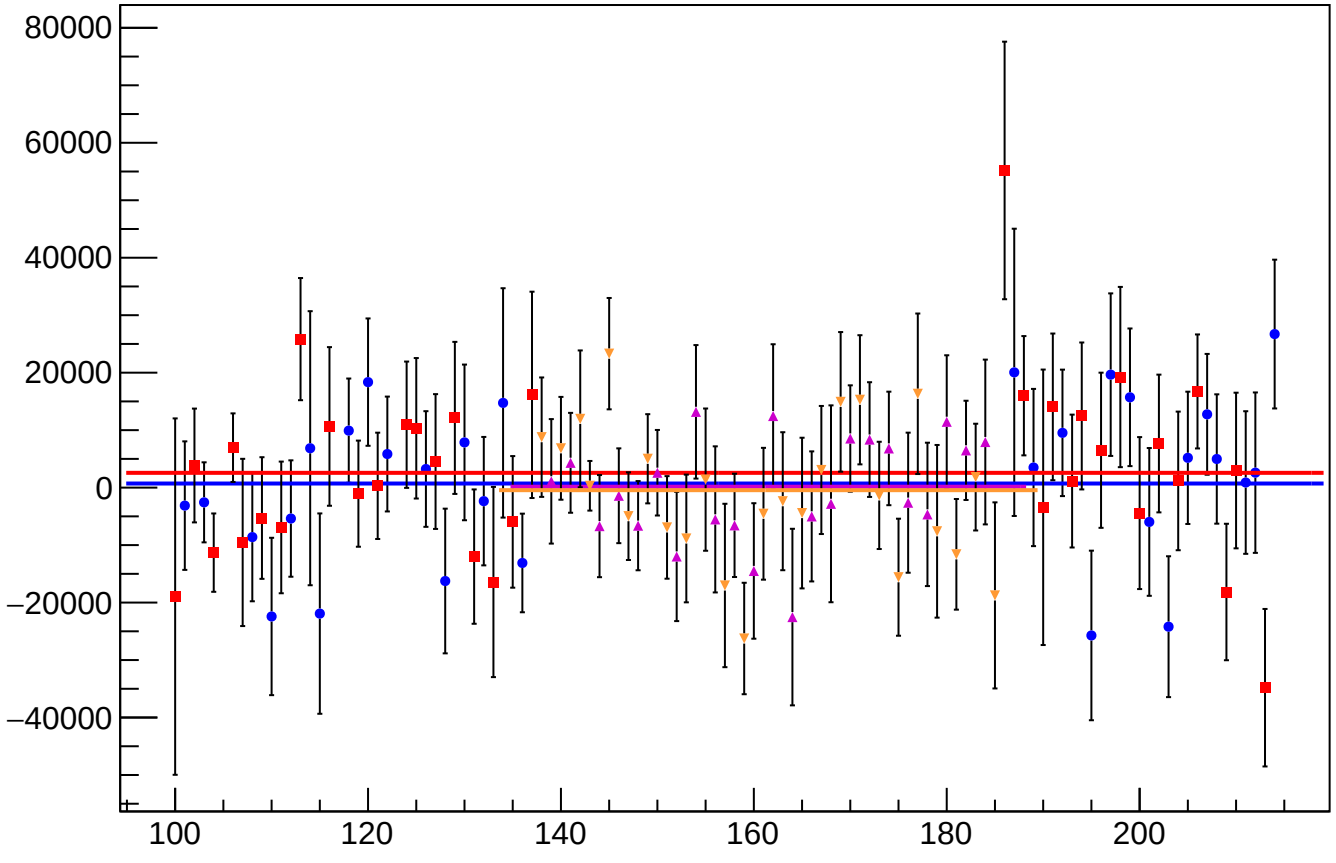
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.638+/-0.204 χ^2/NDF: 983222.2/54

All: 1753.714+/-0.144 χ^2/NDF: 1855399.4/11

- sign 1751.765+/-0.205 χ^2/NDF: 871997.3/56

asym_at2_avg_reg_correction_mean vs Slug



Right In: 713.881+/-2134.743 χ^2/NDF: 33.1/29

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 2572.331+/-1963.941 χ^2/NDF: 40.9/33

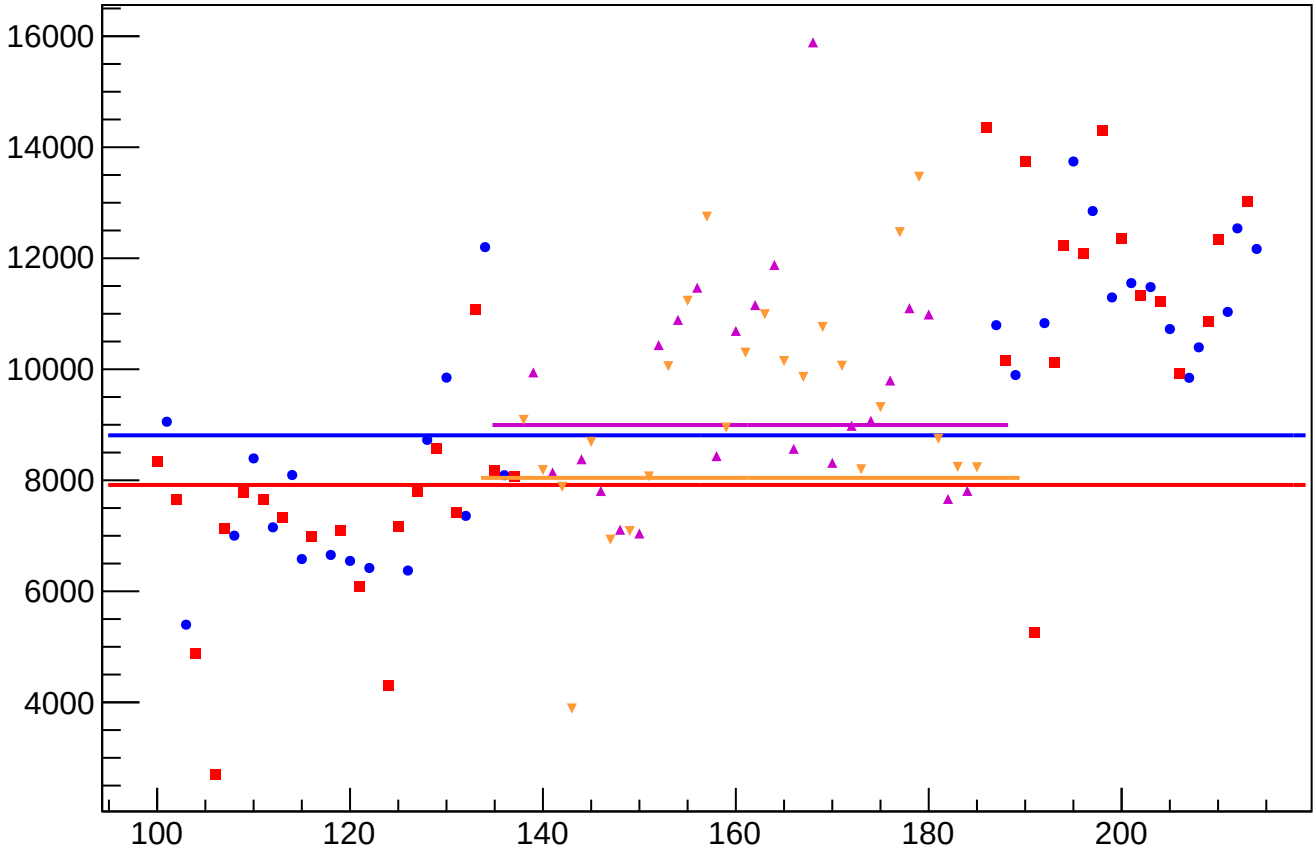
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign 75.820+/-1429.845 χ^2/NDF: 62.7/54

All: 763.729+/-1017.424 χ^2/NDF: 118.6/111

- sign 1469.255+/-1448.038 χ^2/NDF: 55.4/56

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8810.044+/-1.509 χ^2/NDF: 2376213.5/29

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7915.579+/-1.389 χ^2/NDF: 4867188.4/33

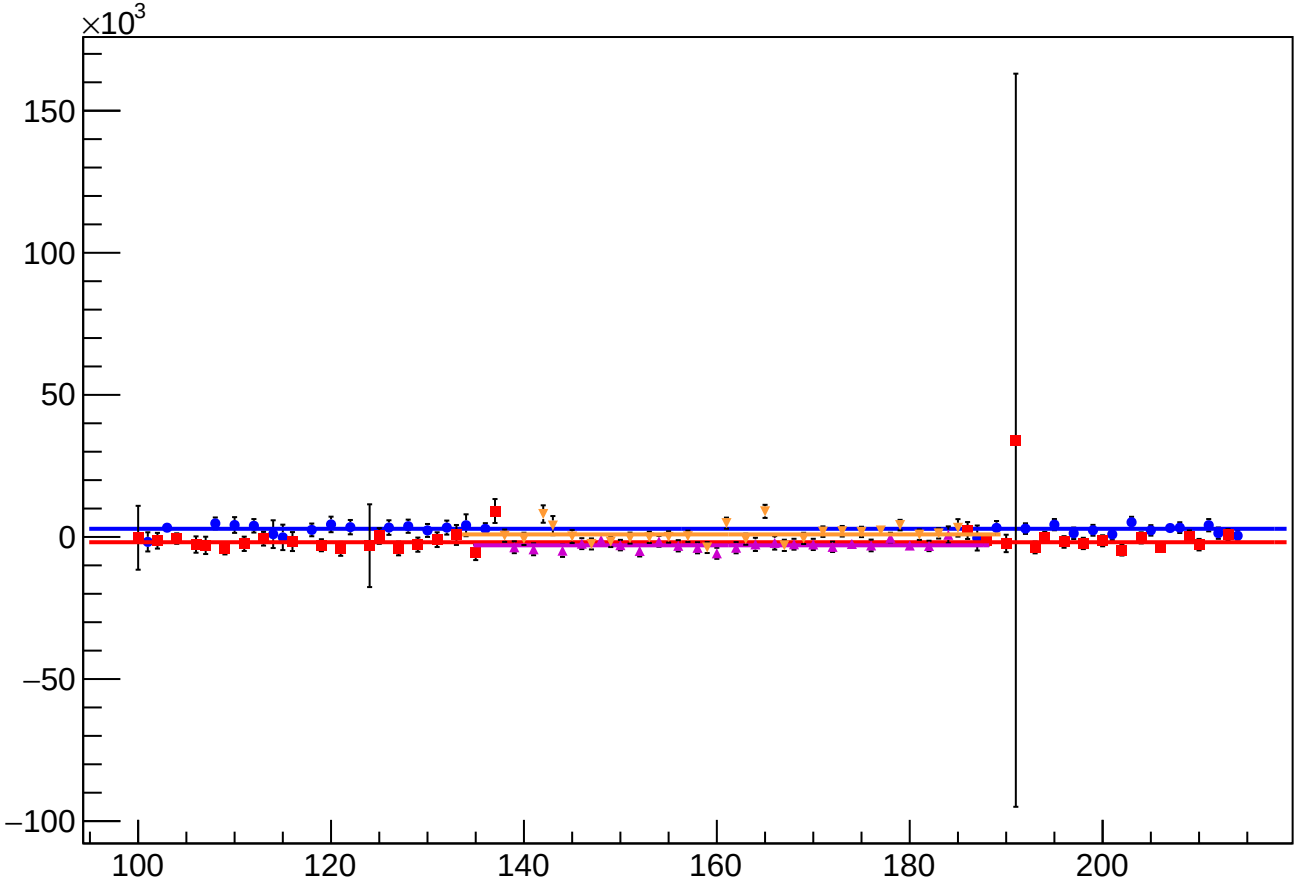
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8387.578+/-1.011 χ^2/NDF: 5881114.6/54

All: 8397.897+/-0.719 χ^2/NDF: 12231690.2/1

- sign 8408.479+/-1.024 χ^2/NDF: 6350364.6/56

cor_asym_at2_avg_mean vs Slug



Right In: 2871.841+/-408.820 χ^2/NDF: 11.3/29

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1853.291+/-407.581 χ^2/NDF: 25.0/33

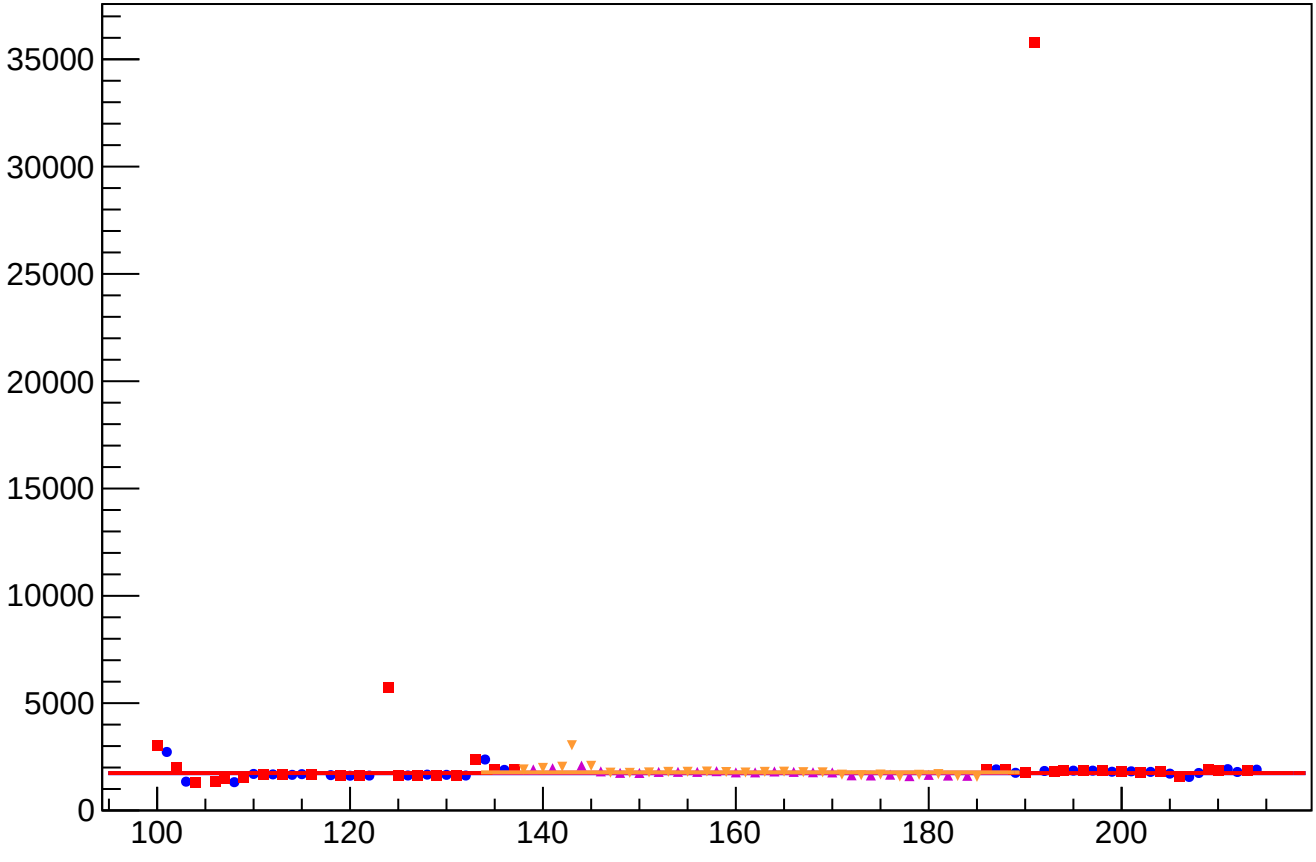
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1877.397+/-287.913 χ^2/NDF: 68.3/54

All: -243.655+/-204.241 χ^2/NDF: 216.7/111

- sign -2392.264+/-289.777 χ^2/NDF: 39.1/56

cor_asym_at2_avg_rms vs Slug



Right In: 1736.236+/-0.289 χ^2/NDF: 527389.4/29

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF: 723705.1/33

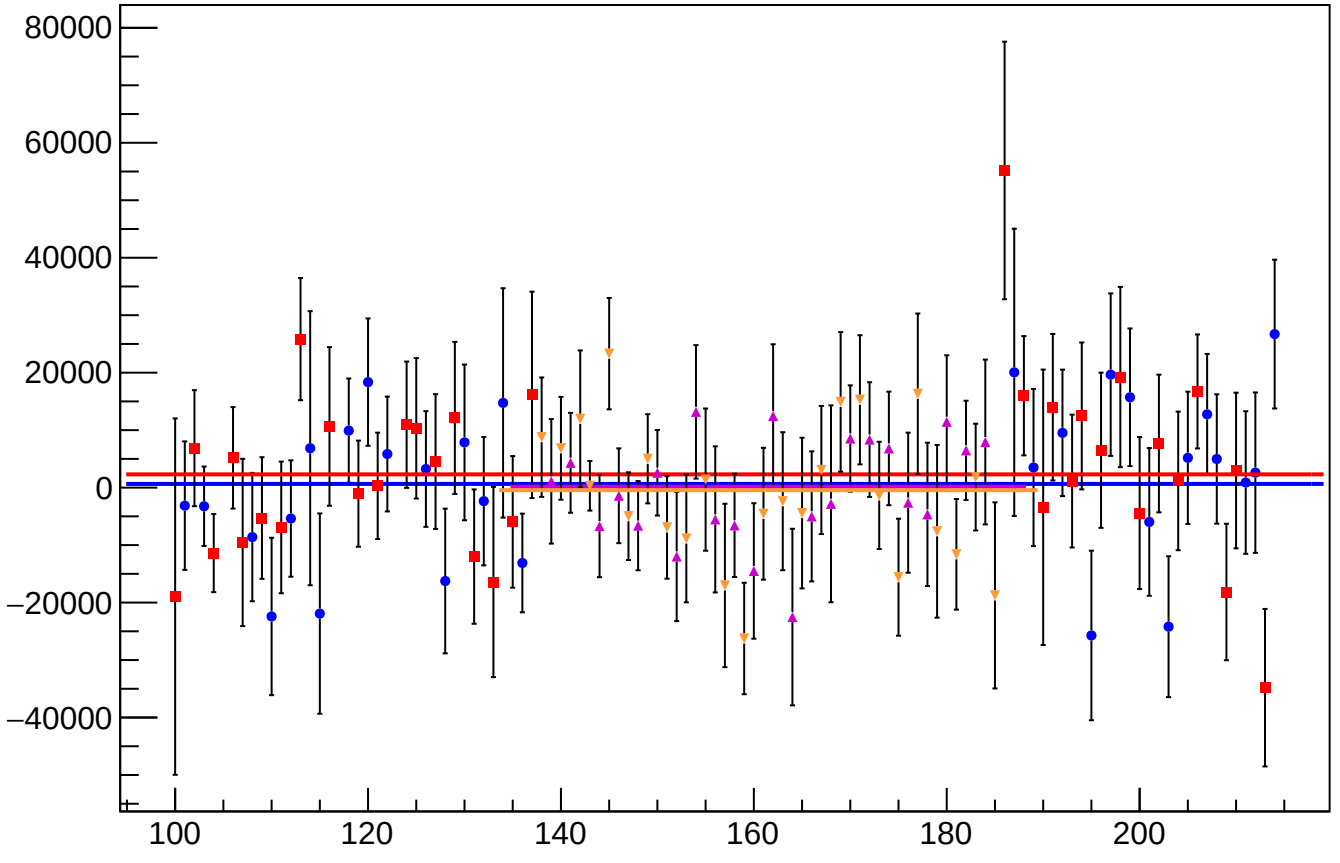
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.638+/-0.204 χ^2/NDF: 983222.7/54

All: 1753.714+/-0.144 χ^2/NDF: 1855400.1/11

- sign 1751.765+/-0.205 χ^2/NDF: 871997.5/56

asym_at2_avg_cor_correction_mean vs Slug



Right In: 643.764+/-2133.015 χ^2/NDF: 33.2/29

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2309.186+/-2025.552 χ^2/NDF: 40.7/33

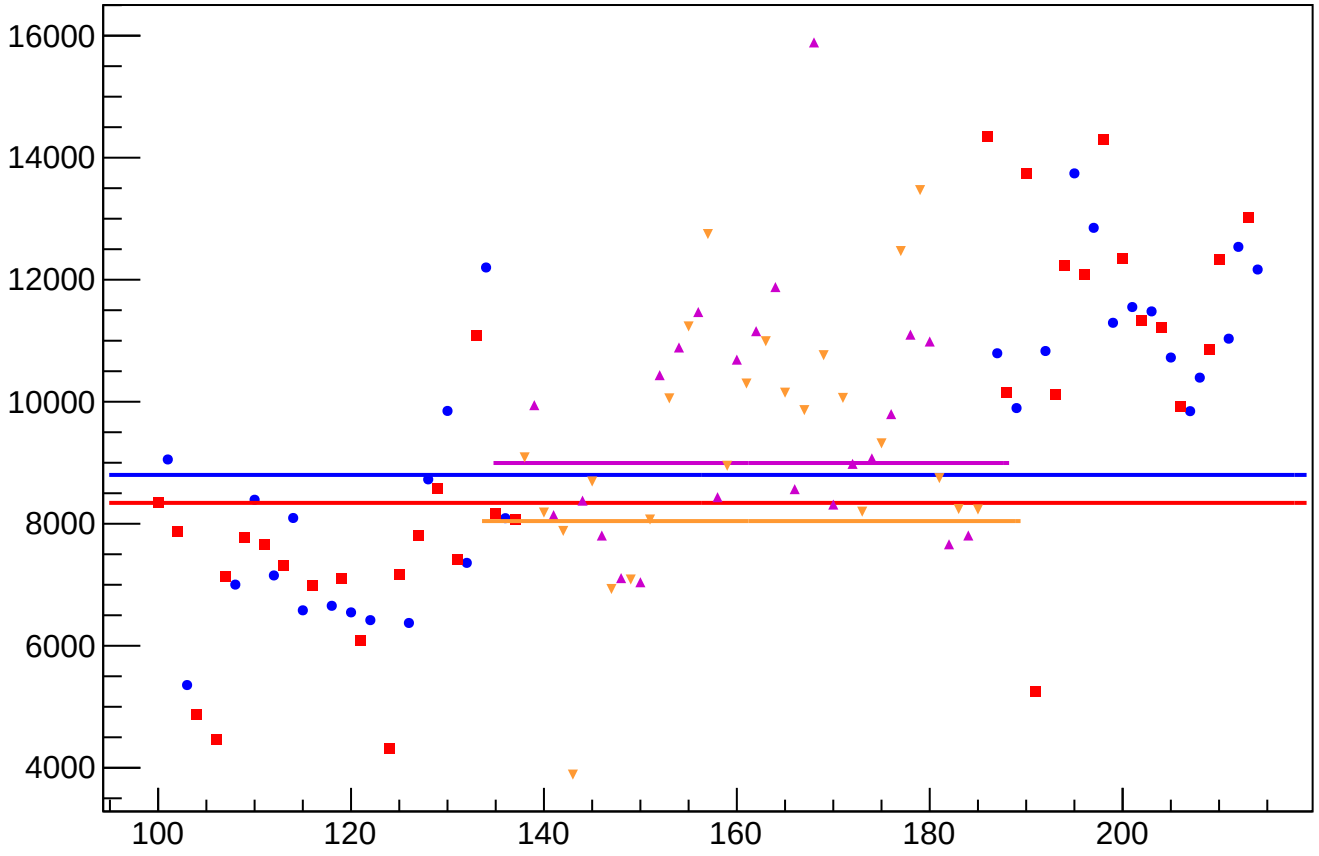
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 44.774+/-1429.324 χ^2/NDF: 62.8/54

All: 650.488+/-1025.511 χ^2/NDF: 118.2/111

- sign 1293.095+/-1472.209 χ^2/NDF: 55.0/56

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8800.478+/-1.508 χ^2/NDF: 2396598.2/29

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8342.054+/-1.432 χ^2/NDF: 3558331.7/33

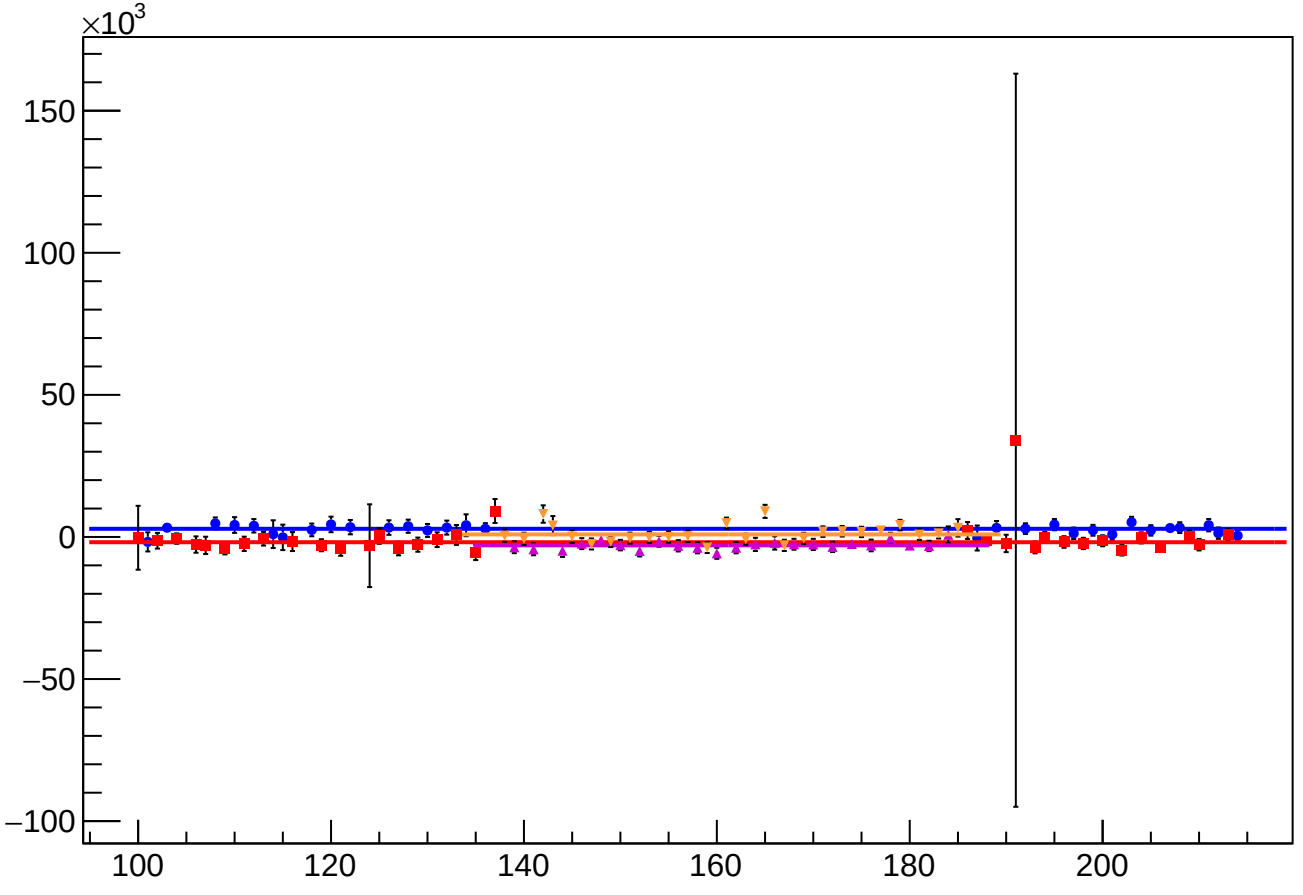
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8383.574+/-1.011 χ^2/NDF: 5898184.2/54

All: 8513.025+/-0.725 χ^2/NDF: 10795688.1/1

- sign 8650.361+/-1.041 χ^2/NDF: 4863694.4/56

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2871.841+/-408.820 χ^2/NDF: 11.3/29

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1853.291+/-407.581 χ^2/NDF: 25.0/33

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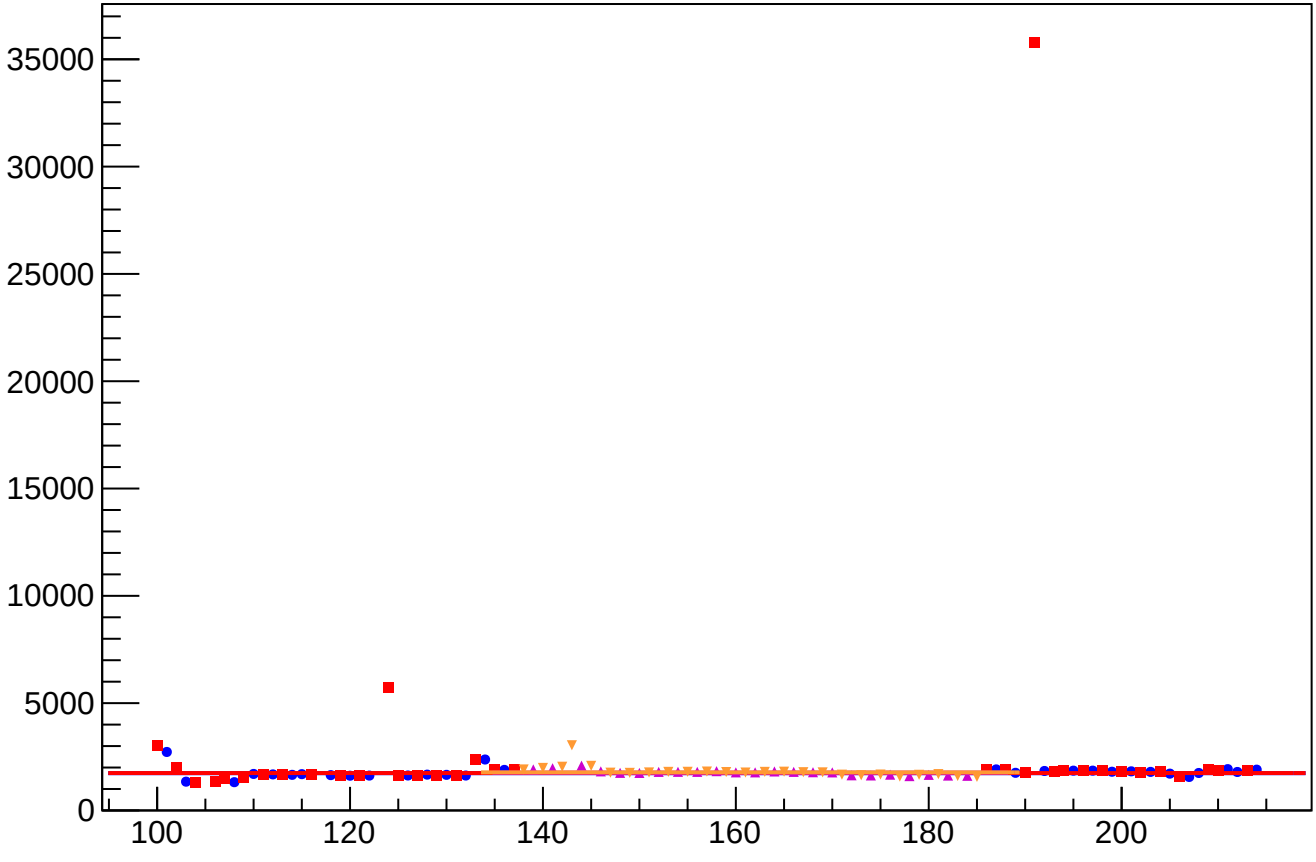
+ sign 1877.397+/-287.913 χ^2/NDF: 68.3/54

All: -243.655+/-204.241 χ^2/NDF: 216.7/111

- sign -2392.264+/-289.777 χ^2/NDF: 39.1/56

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1736.236+/-0.289 χ^2/NDF: 527389.4/29

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1742.642+/-0.288 χ^2/NDF: 723705.1/33

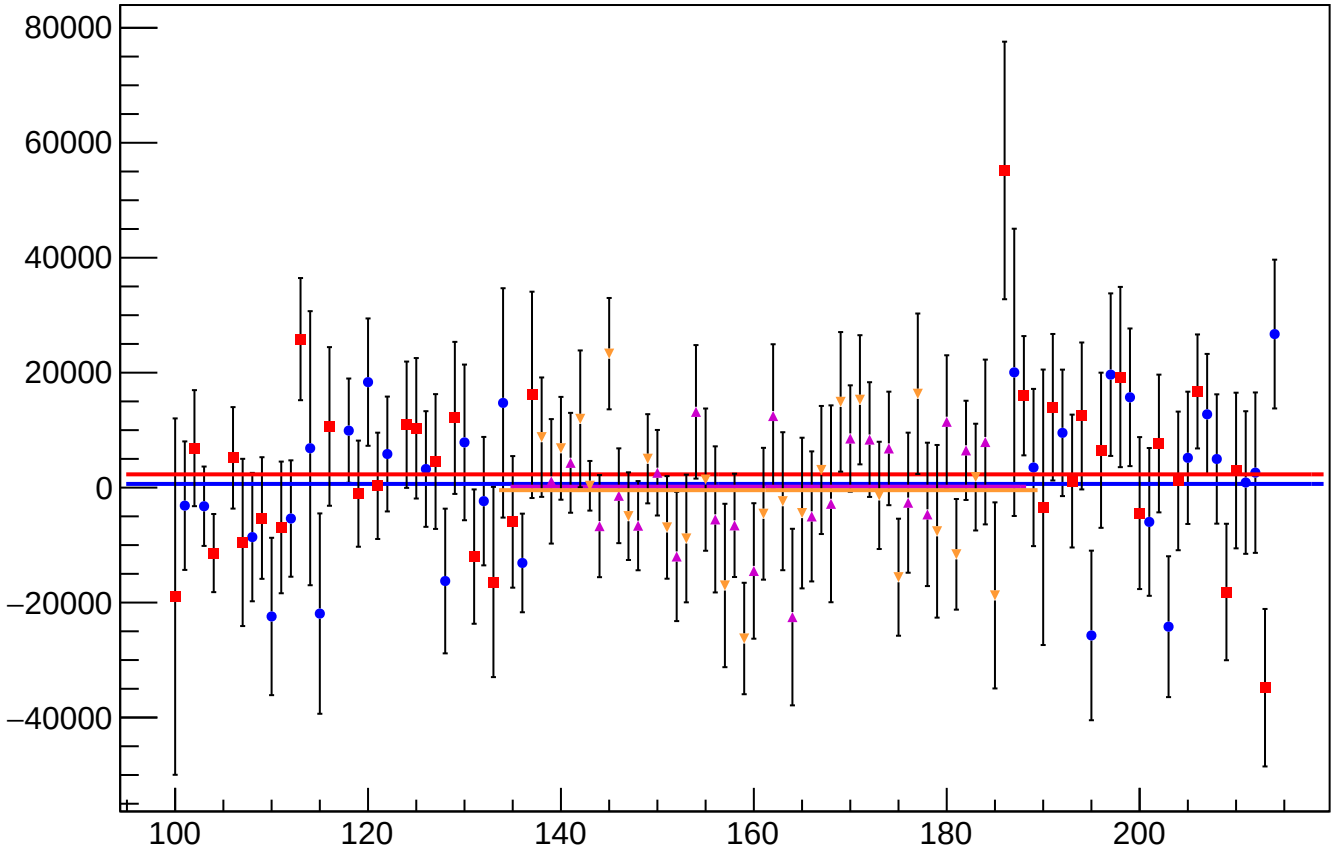
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1755.638+/-0.204 χ^2/NDF: 983222.7/54

All: 1753.714+/-0.144 χ^2/NDF: 1855400.1/11

- sign 1751.765+/-0.205 χ^2/NDF: 871997.5/56

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 643.764+/-2133.015 χ^2/NDF: 33.2/29

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 2309.186+/-2025.552 χ^2/NDF: 40.7/33

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+ sign 44.774+/-1429.324 χ^2/NDF: 62.8/54

All: 650.488+/-1025.511 χ^2/NDF: 118.2/111

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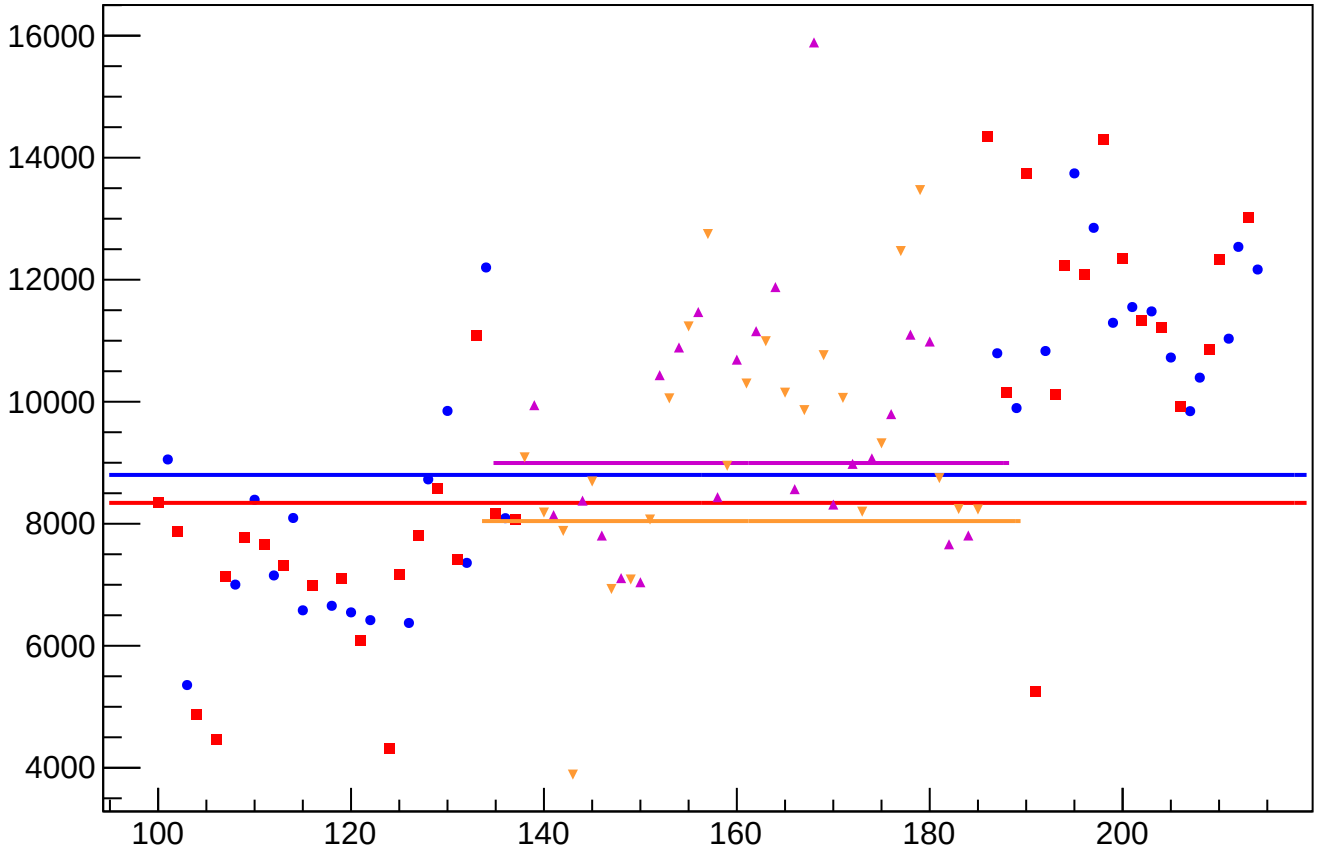
asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8800.478+/-1.508 χ^2/NDF: 2396598.2/29

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8342.054+/-1.432 χ^2/NDF: 3558331.7/33

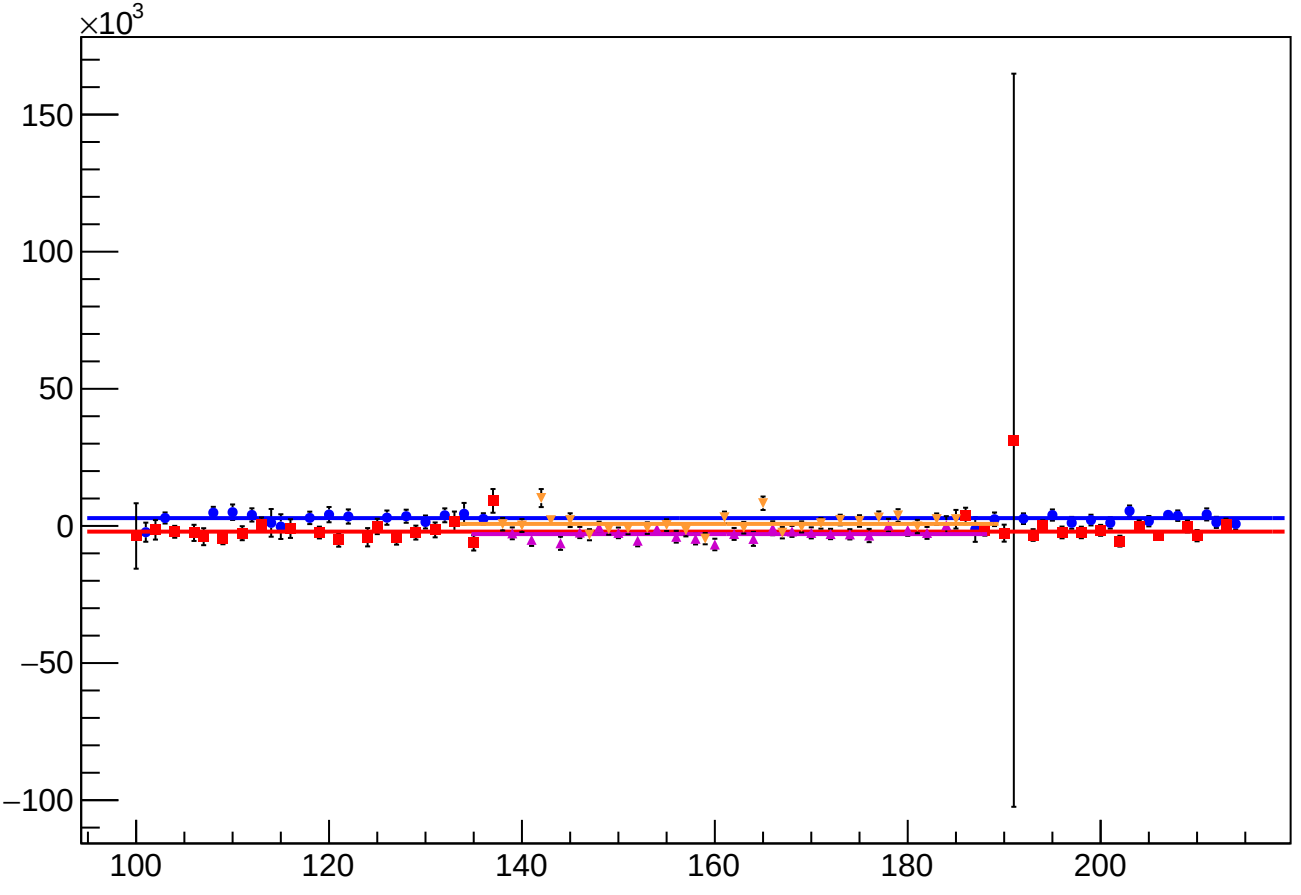
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8383.574+/-1.011 χ^2/NDF: 5898184.2/54

All: 8513.025+/-0.725 χ^2/NDF: 10795688.1/1

- sign 8650.361+/-1.041 χ^2/NDF: 4863694.4/56

dit_asym_at2_avg_mean vs Slug



Right In: 2851.500+/-421.917 χ^2/NDF: 12.9/29

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2073.070+/-419.281 χ^2/NDF: 29.6/33

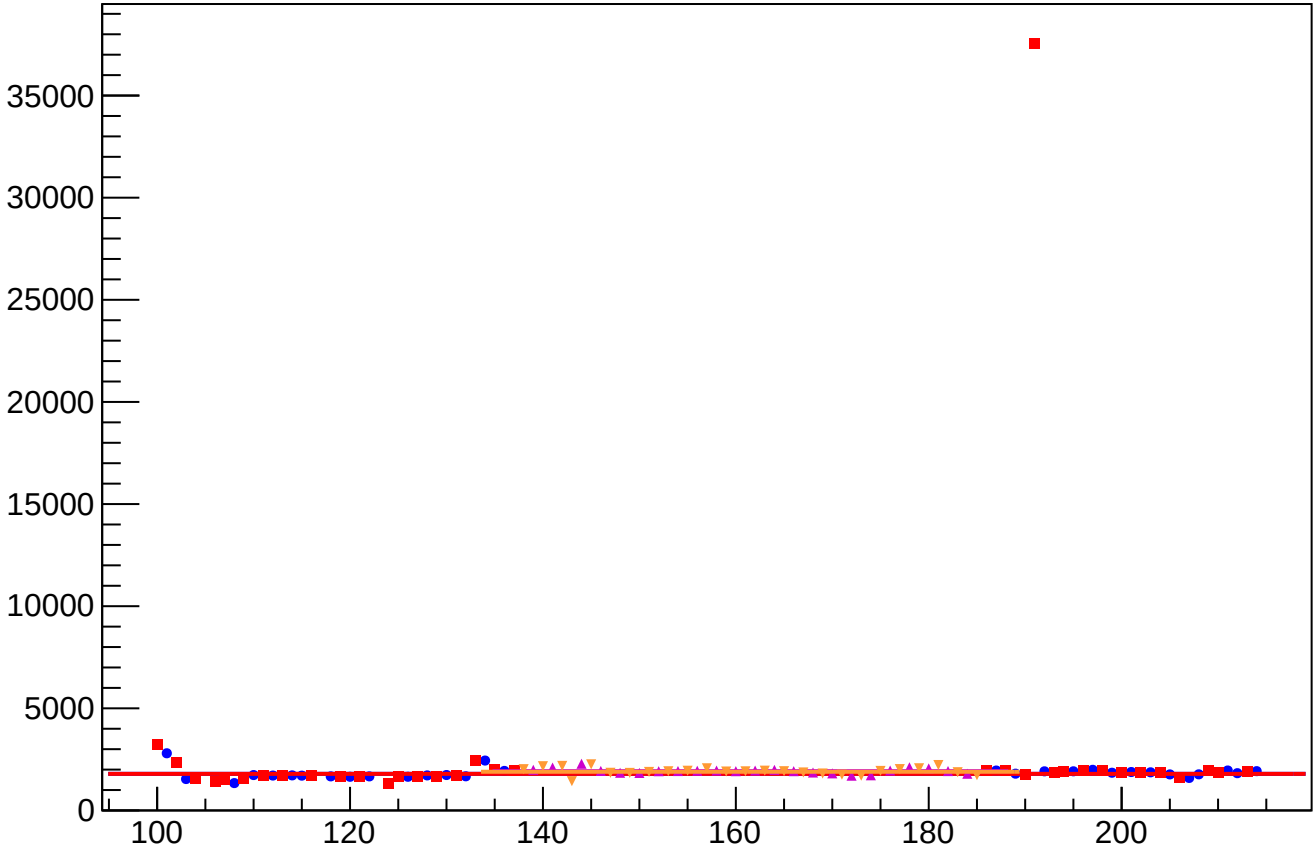
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1822.348+/-302.141 χ^2/NDF: 66.8/54

All: -302.246+/-215.298 χ^2/NDF: 214.6/111

- sign -2493.830+/-306.868 χ^2/NDF: 47.4/56

dit_asym_at2_avg_rms vs Slug



Right In: 1792.358+/-0.298 χ^2/NDF: 477497.8/29

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1791.114+/-0.296 χ^2/NDF: 584612.8/33

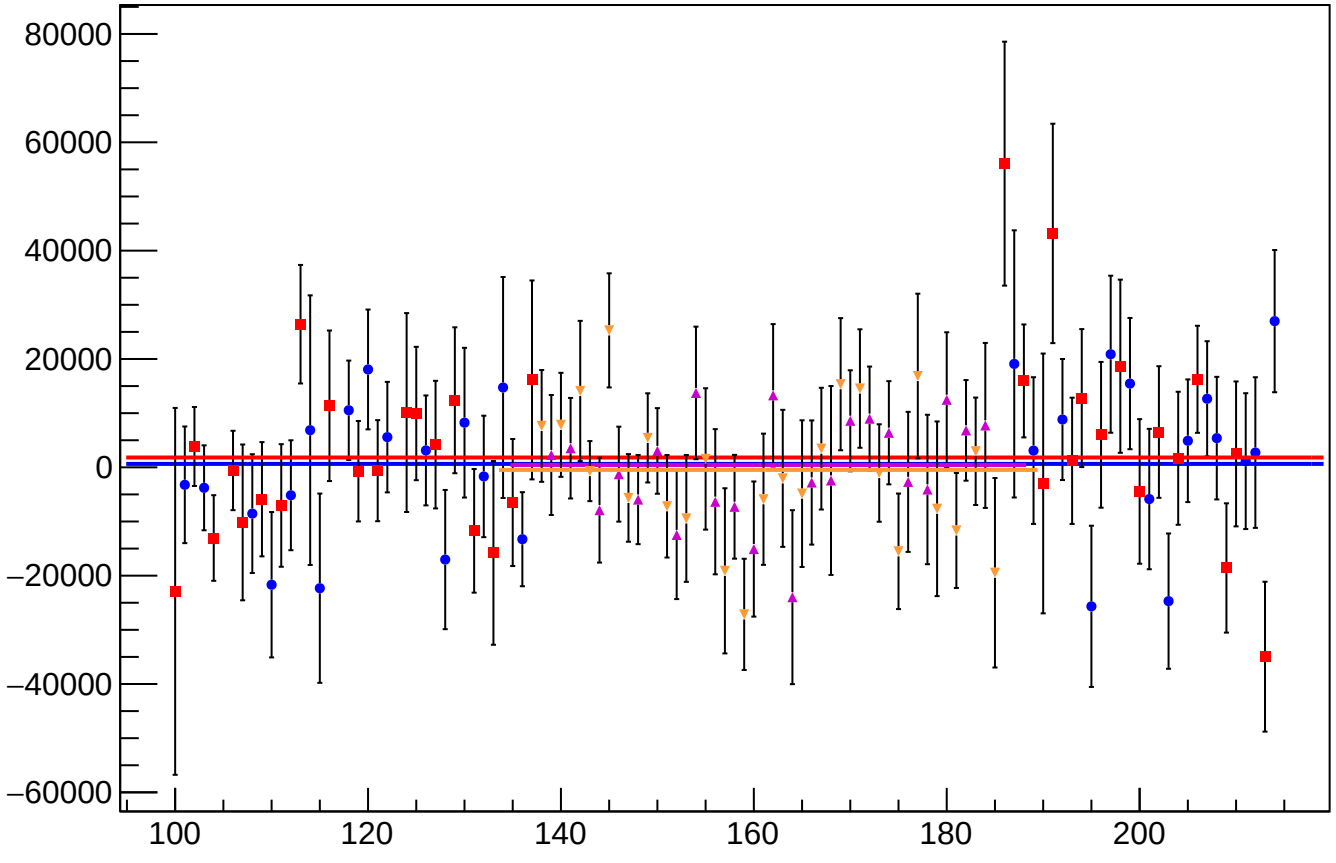
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.209+/-0.214 χ^2/NDF: 903395.6/54

All: 1847.207+/-0.152 χ^2/NDF: 1732049.8/11

- sign 1852.361+/-0.217 χ^2/NDF: 827542.7/56

asym_at2_avg_dit_correction_mean vs Slug



Right In: 632.771+/-2166.454 χ^2/NDF: 33.0/29

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 1812.622+/-2034.049 χ^2/NDF: 43.0/33

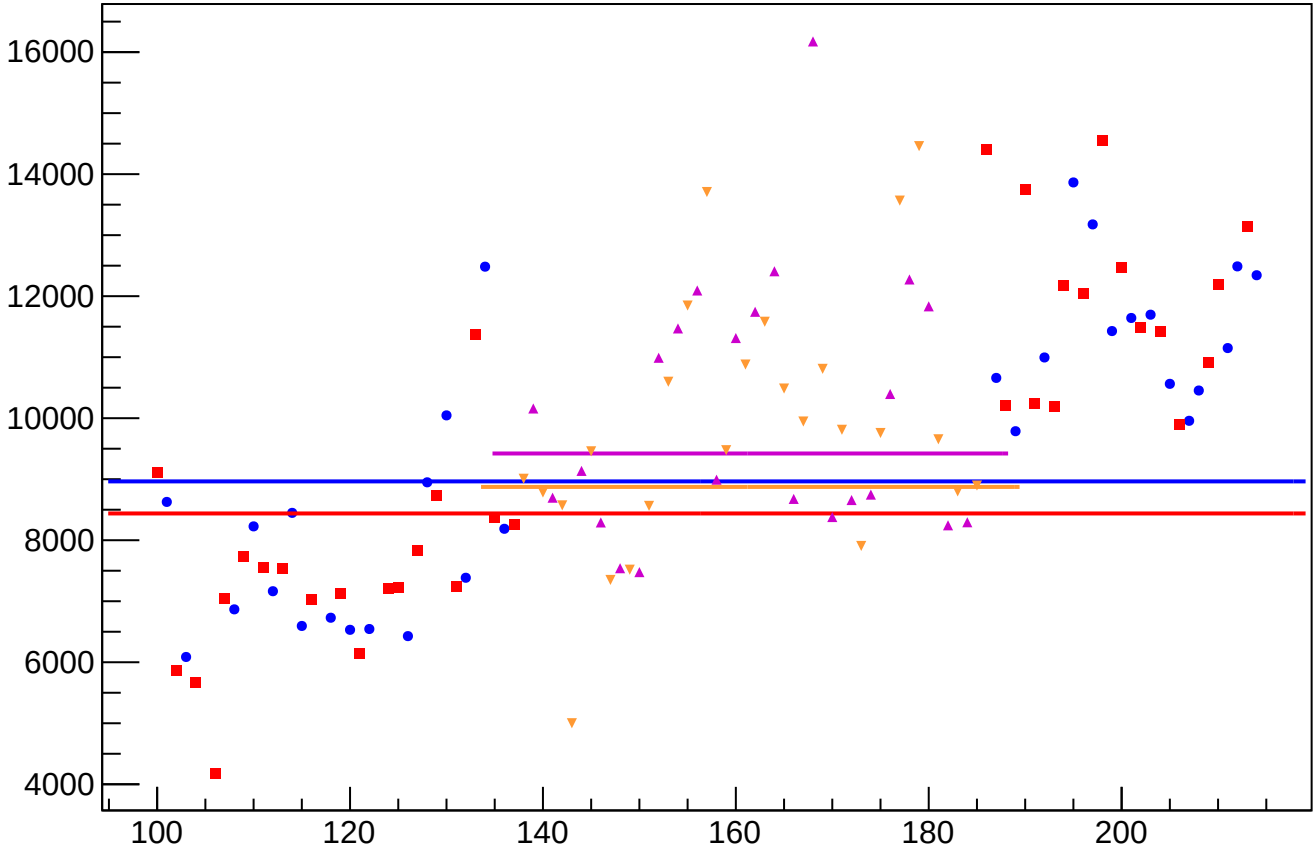
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign 56.544+/-1503.870 χ^2/NDF: 61.9/54

All: 623.128+/-1064.649 χ^2/NDF: 118.9/111

- sign 1192.389+/-1507.419 χ^2/NDF: 56.7/56

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8964.337+/-1.532 χ^2/NDF: 2178155.3/29

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8438.781+/-1.438 χ^2/NDF: 3435949.0/33

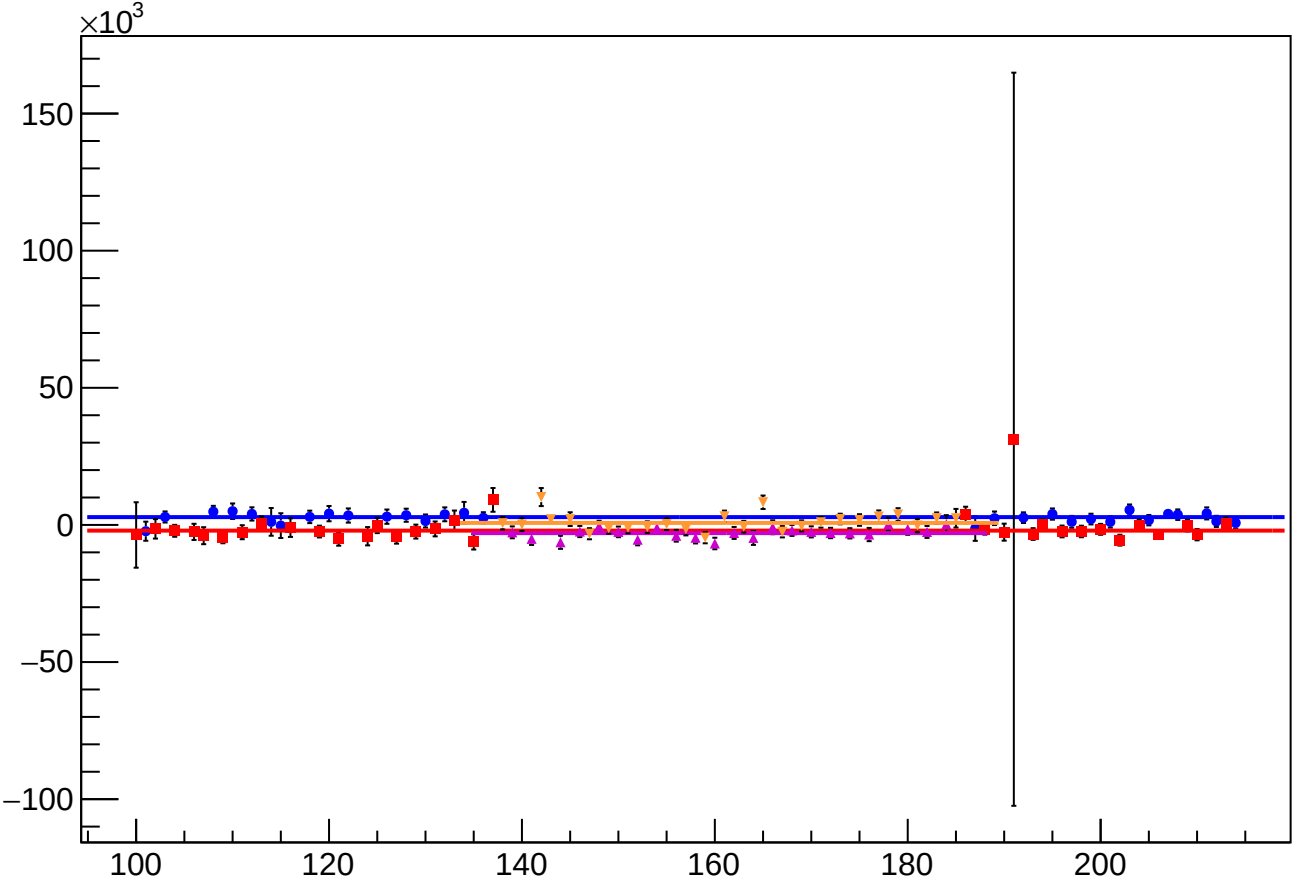
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8917.319+/-1.063 χ^2/NDF: 4383223.0/54

All: 8899.634+/-0.753 χ^2/NDF: 9235105.1/11

- sign 8881.866+/-1.066 χ^2/NDF: 4851327.6/56

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2851.497+/-421.917 χ^2/NDF: 12.9/29

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2073.070+/-419.281 χ^2/NDF: 29.6/33

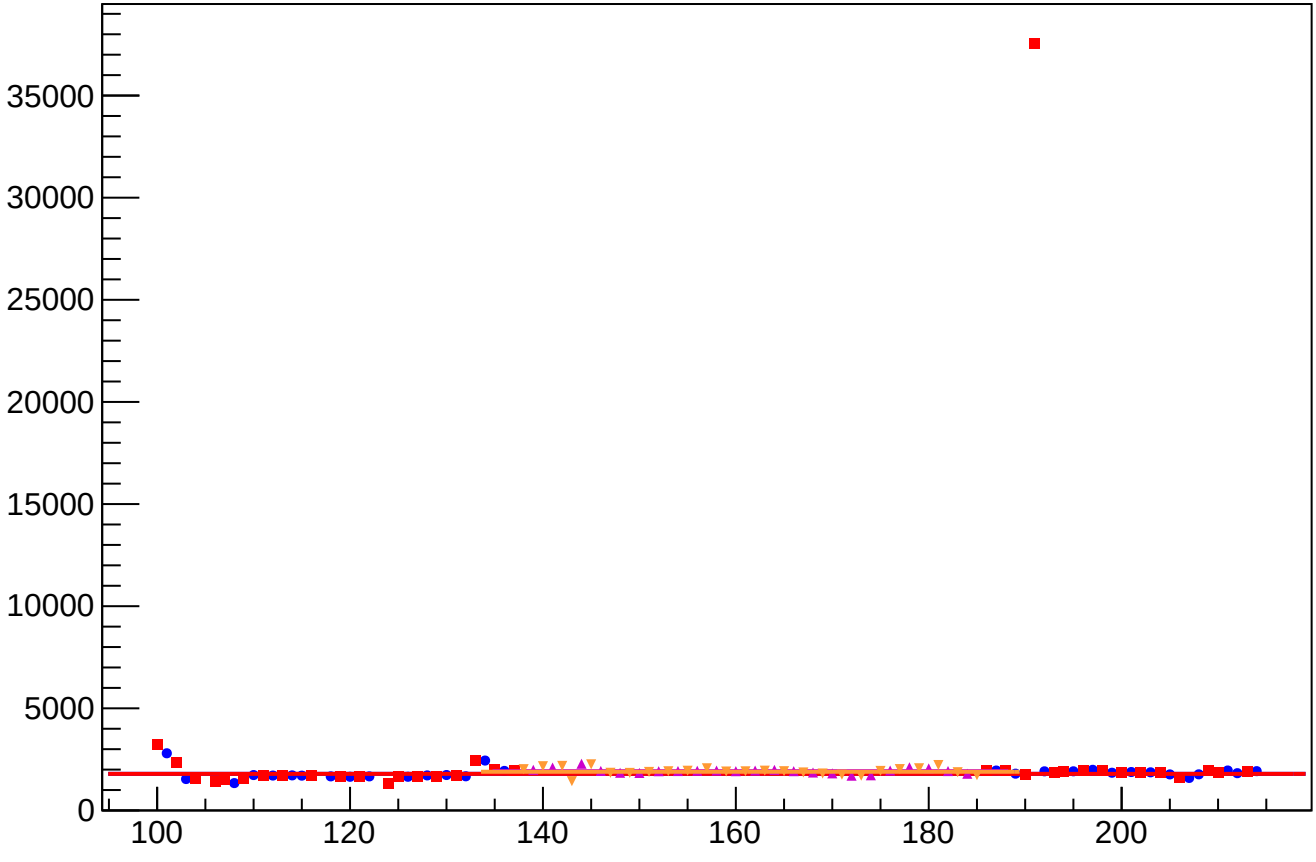
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1822.343+/-302.142 χ^2/NDF: 66.8/54

All: -302.248+/-215.298 χ^2/NDF: 214.6/111

- sign -2493.830+/-306.868 χ^2/NDF: 47.4/56

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1792.358+/-0.298 χ^2/NDF: 477498.4/29

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

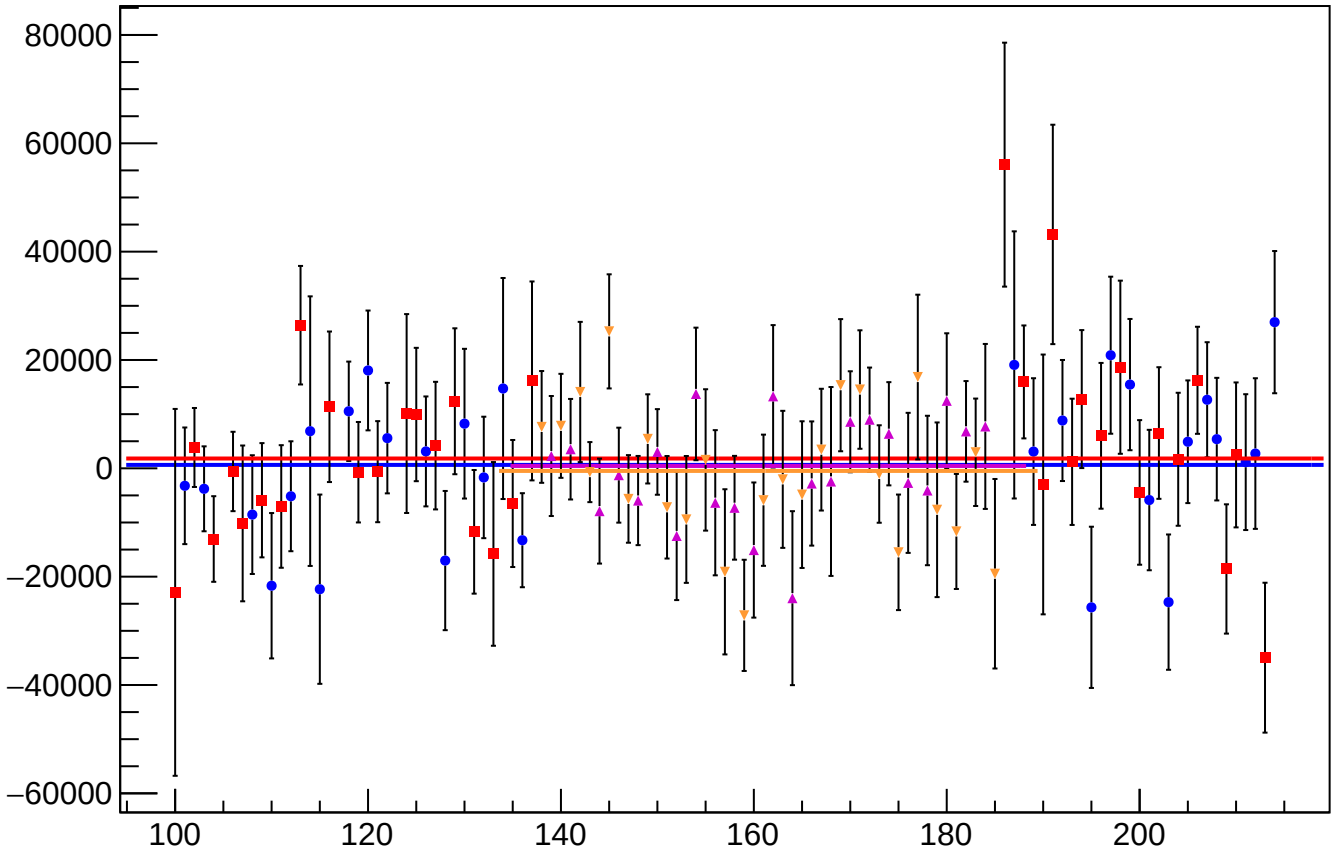
Right Out: 1791.114+/-0.296 χ^2/NDF: 584614.2/33

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.211+/-0.214 χ^2/NDF: 903407.3/54

All: 1847.208+/-0.152 χ^2/NDF: 1732074.8/11

- sign 1852.362+/-0.217 χ^2/NDF: 827556.1/56



Right In: 632.776+/-2166.452 χ^2/NDF: 33.0/29

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

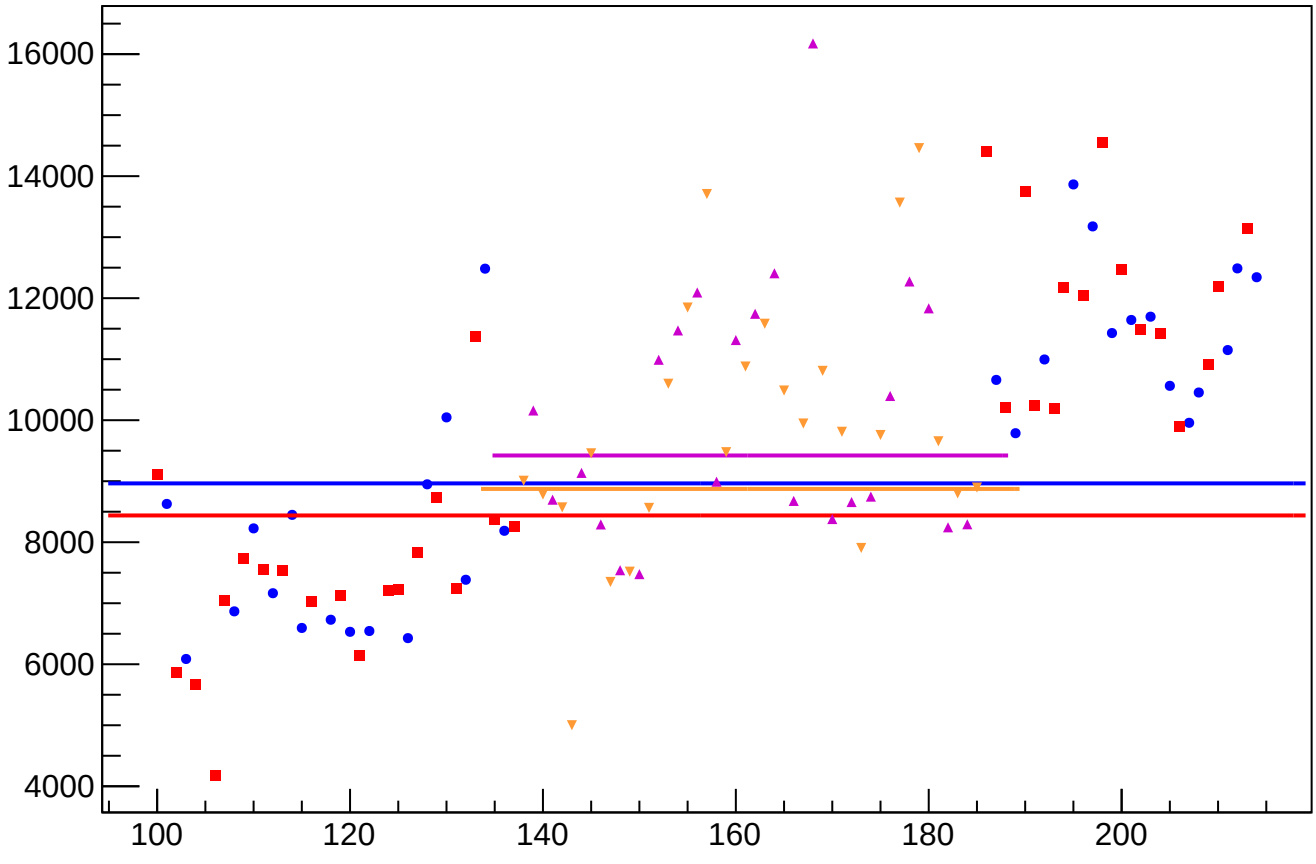
Right Out: 1812.611+/-2034.047 χ^2/NDF: 43.0/33

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign 56.544+/-1503.871 χ^2/NDF: 61.9/54

All: 623.127+/-1064.650 χ^2/NDF: 118.9/111

- sign 1192.387+/-1507.420 χ^2/NDF: 56.7/56



Right In: 8964.328+/-1.532 χ^2/NDF: 2178188.1/29

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8438.770+/-1.438 χ^2/NDF: 3435977.8/33

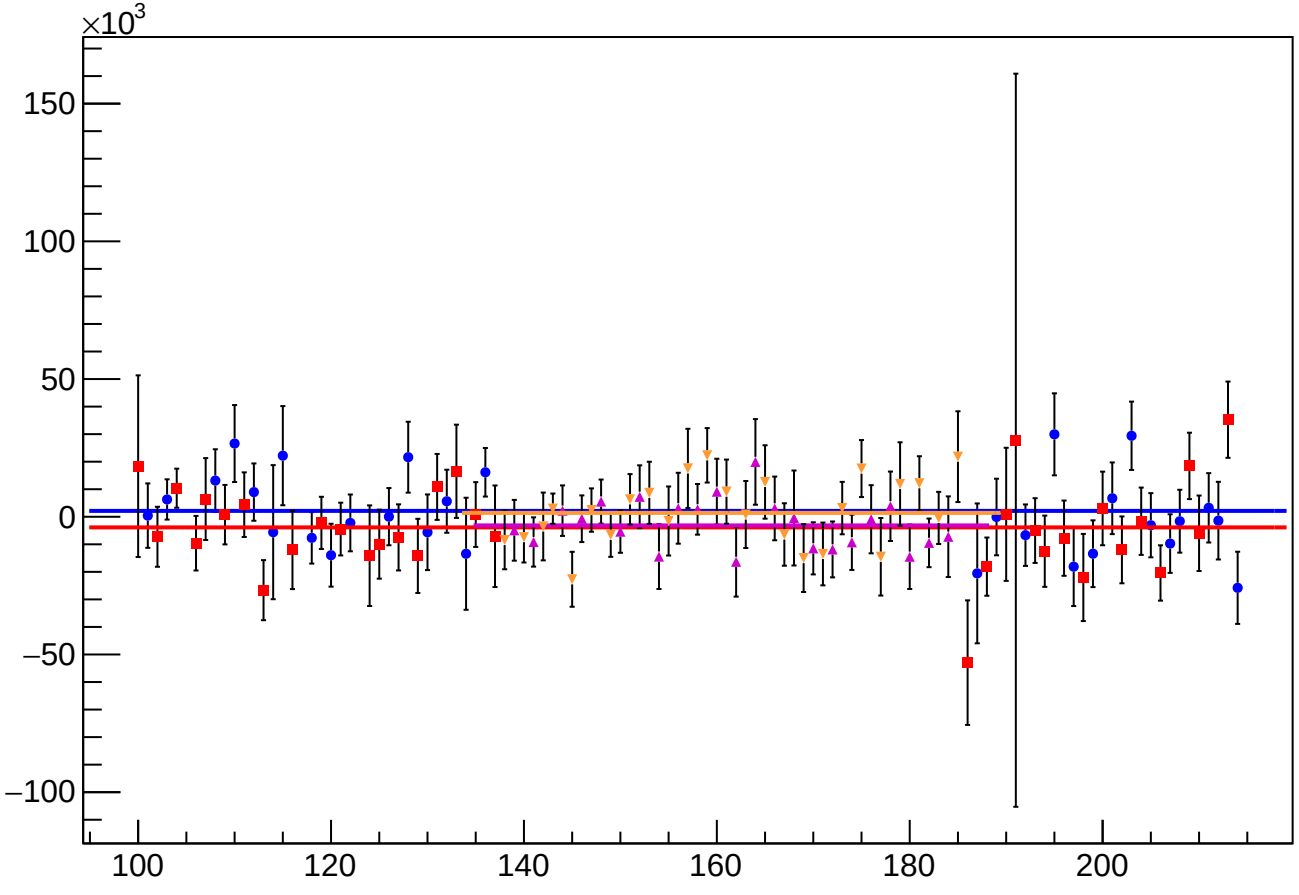
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8917.322+/-1.063 χ^2/NDF: 4383256.4/54

All: 8899.635+/-0.753 χ^2/NDF: 9235181.9/11

- sign 8881.865+/-1.066 χ^2/NDF: 4851370.9/56

asym_at2_avg_mean vs Slug



Right In: 2133.502+/-2185.589 χ^2/NDF: 34.9/29

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -3856.479+/-2135.268 χ^2/NDF: 38.6/33

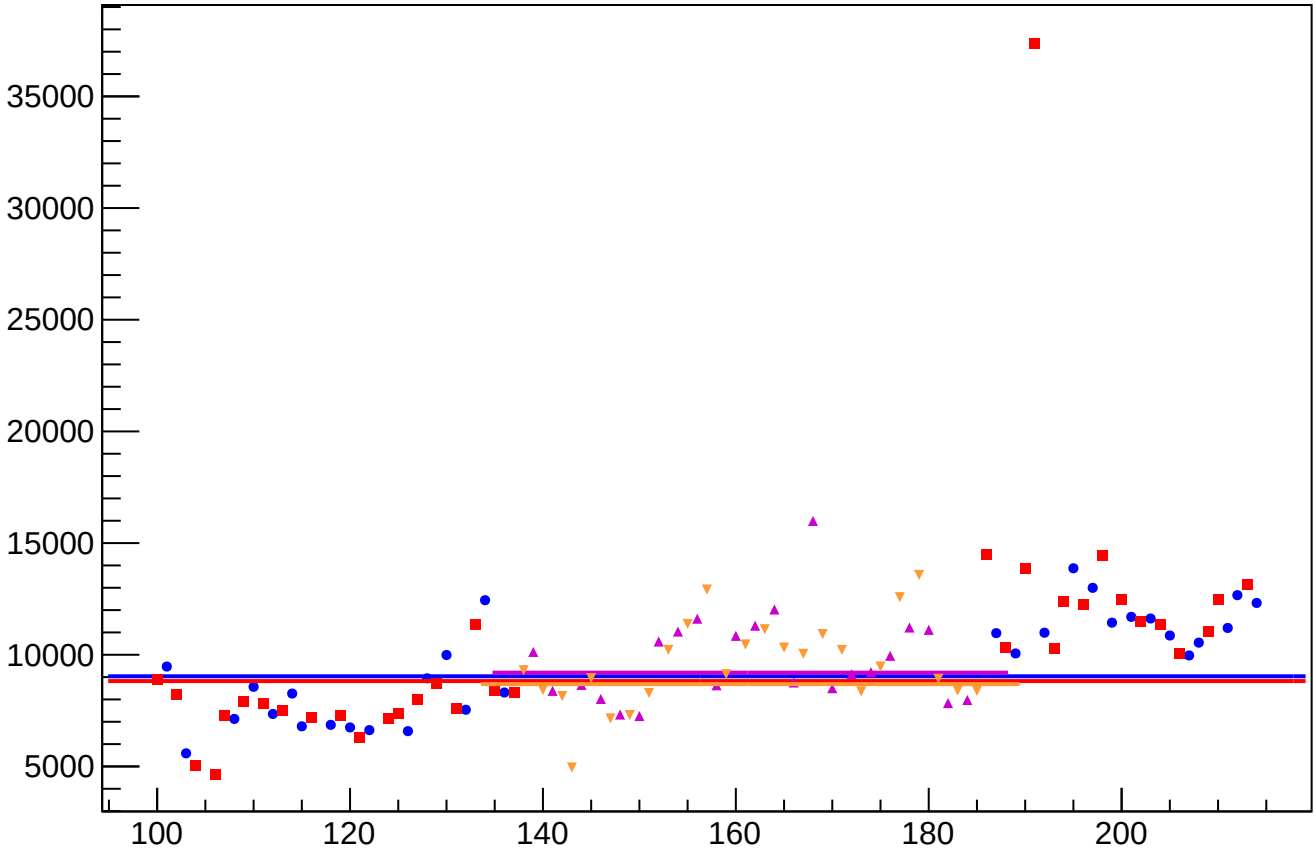
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 1745.936+/-1491.277 χ^2/NDF: 62.4/54

All: -815.441+/-1067.465 χ^2/NDF: 120.1/111

- sign -3506.858+/-1528.664 χ^2/NDF: 51.6/56

asym_at2_avg_rms vs Slug



Right In: 9036.576+/-1.545 χ^2/NDF: 2228945.6/29

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8822.352+/-1.510 χ^2/NDF: 3019548.4/33

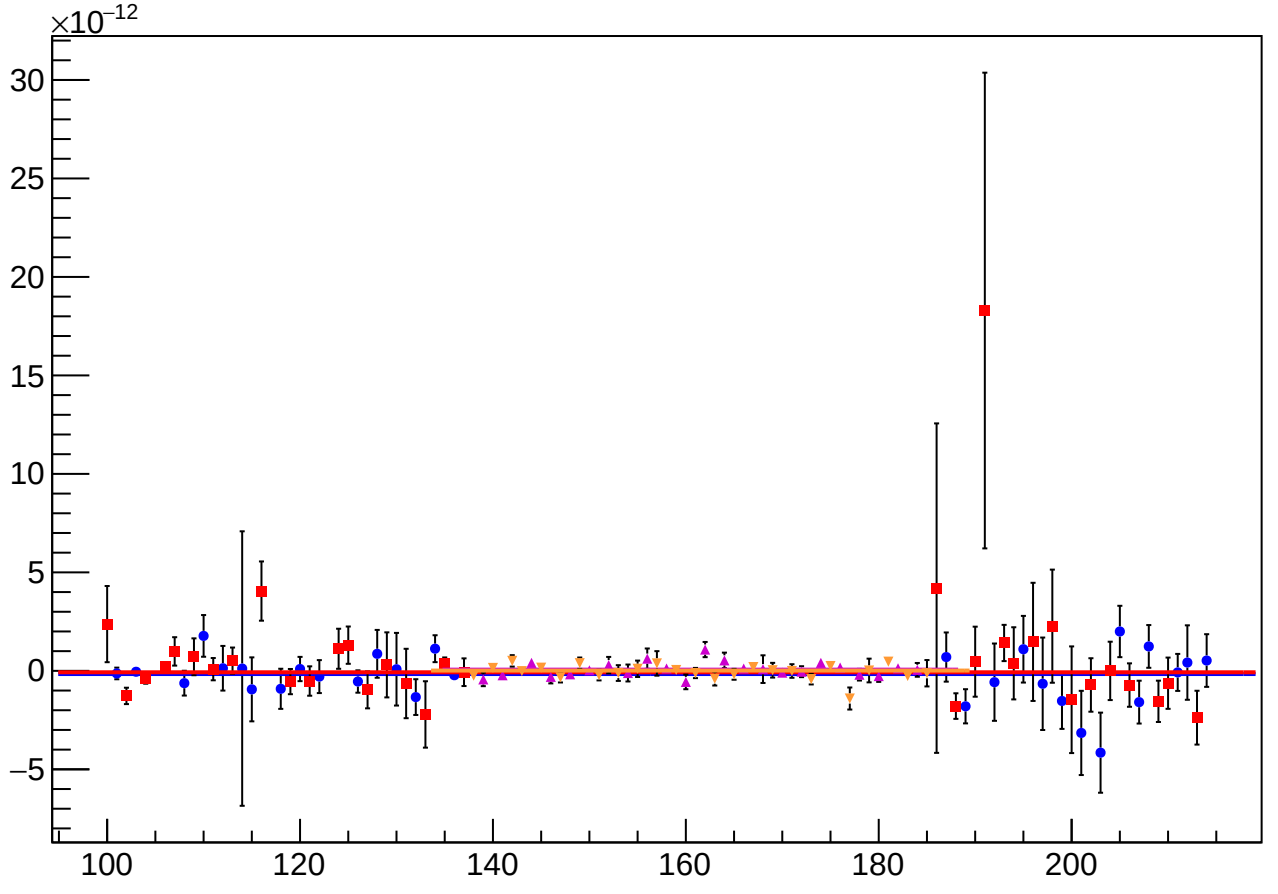
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8848.441+/-1.054 χ^2/NDF: 4308297.5/54

All: 8925.673+/-0.755 χ^2/NDF: 8498894.4/11

- sign 9006.823+/-1.081 χ^2/NDF: 4179596.2/56

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

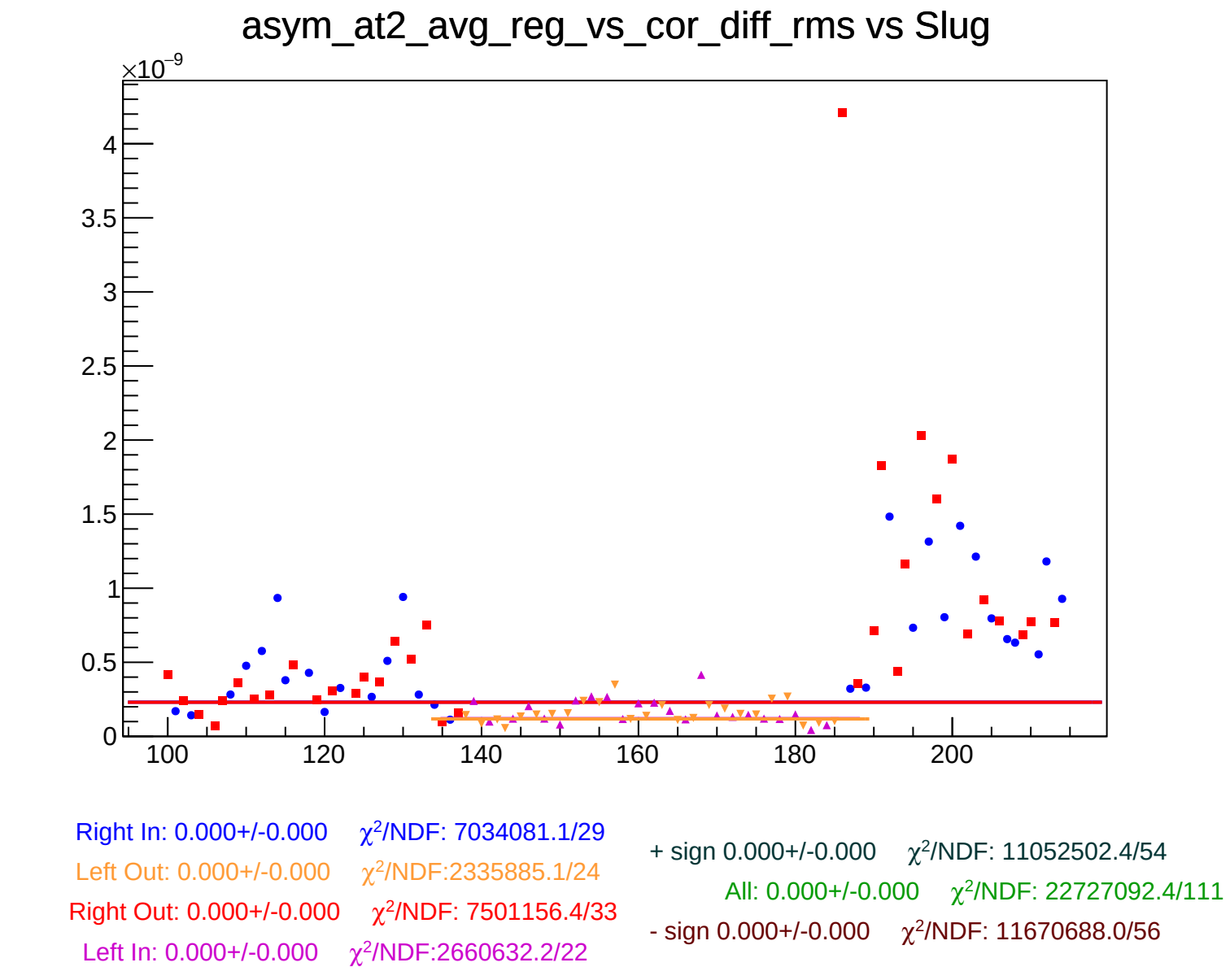
Right Out: -0.000+/-0.000 χ^2/NDF: 52.3/33

Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

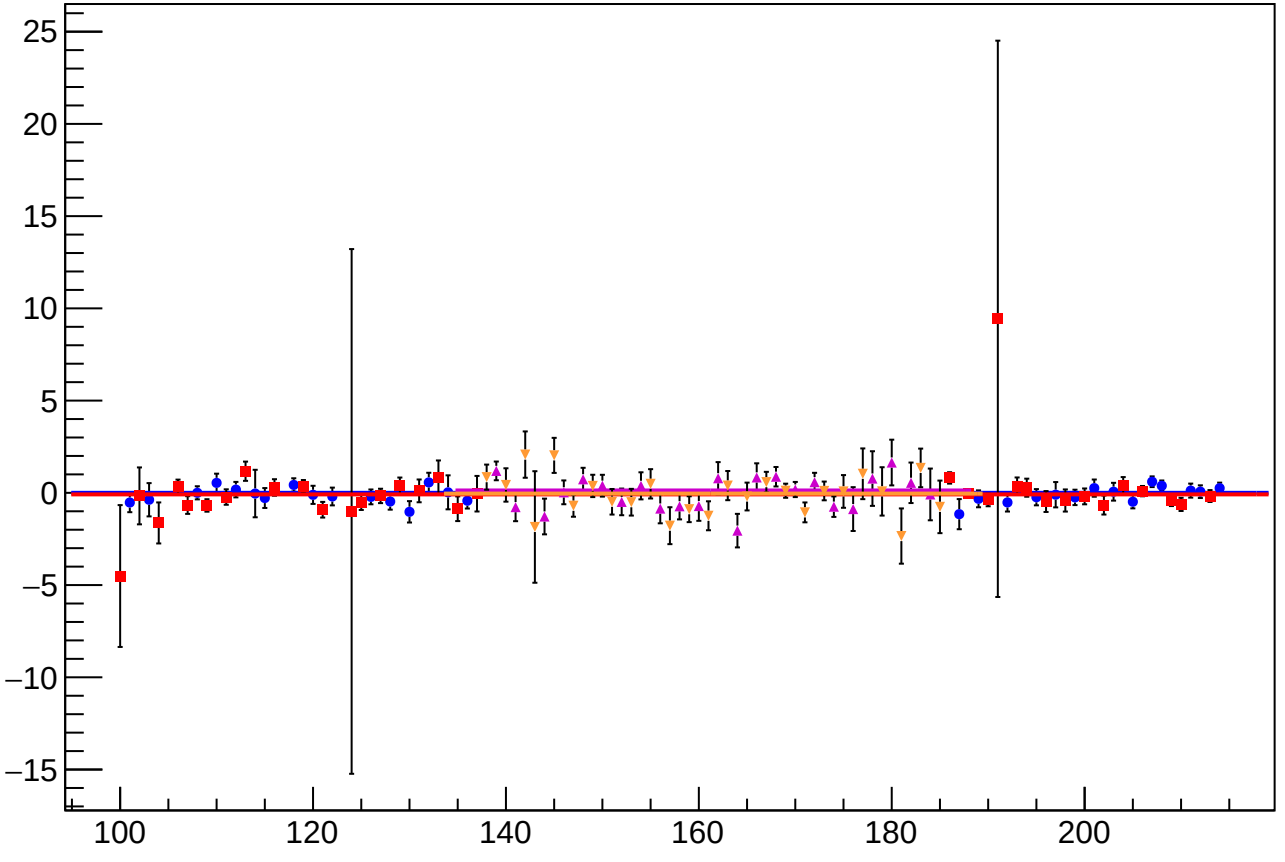
+ sign -0.000+/-0.000 χ^2/NDF: 60.4/54

All: 0.000+/-0.000 χ^2/NDF: 142.2/111

- sign 0.000+/-0.000 χ^2/NDF: 81.2/56


asym_at2_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
4
3.5
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7034081.1/29
Left Out: 0.000+/-0.000 χ²/NDF:2335885.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 7501156.4/33
Left In: 0.000+/-0.000 χ²/NDF:2660632.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11052502.4/54
All: 0.000+/-0.000 χ²/NDF: 22727092.4/111
- sign 0.000+/-0.000 χ²/NDF: 11670688.0/56

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.080 χ^2/NDF: 24.6/29

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.084+/-0.072 χ^2/NDF: 43.3/33

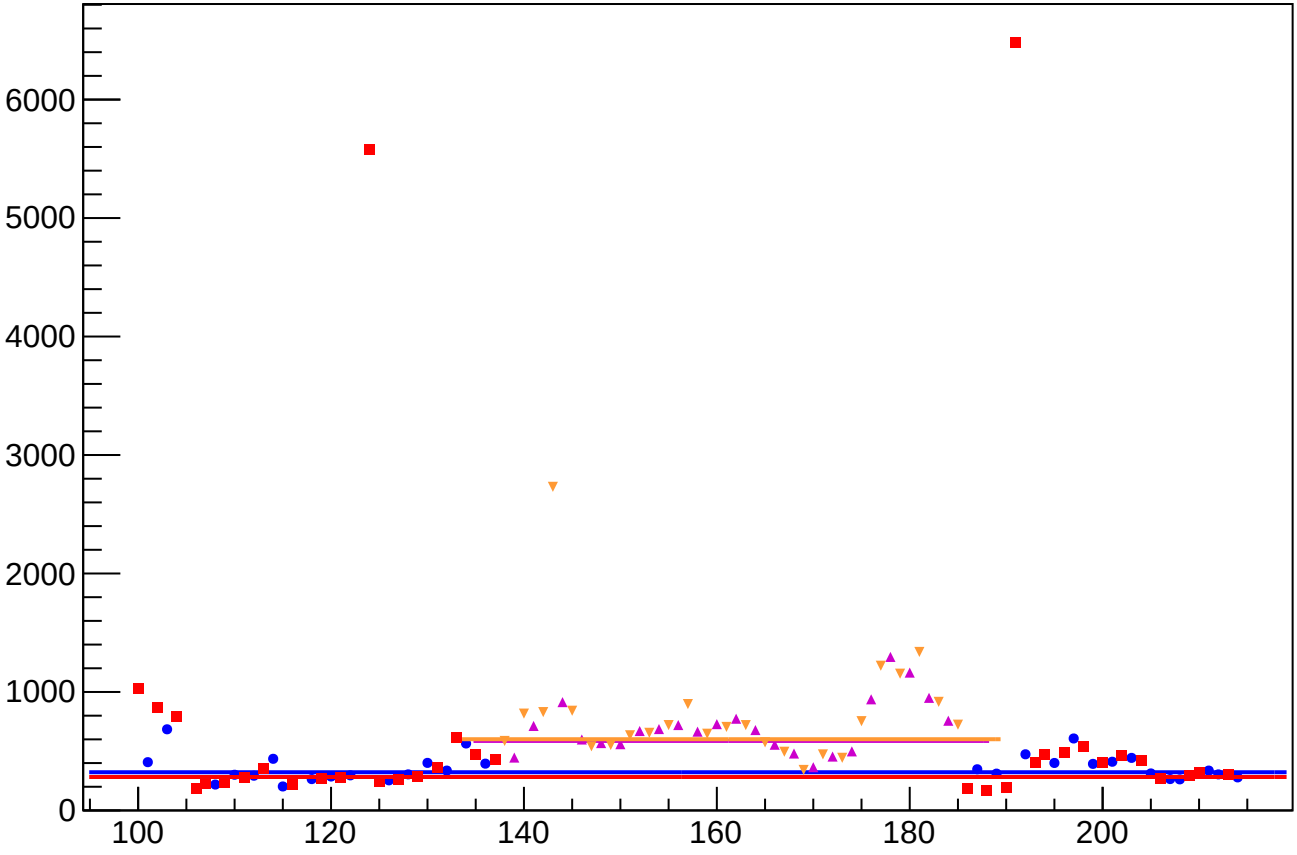
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.009+/-0.070 χ^2/NDF: 54.8/54

All: -0.027+/-0.048 χ^2/NDF: 129.0/111

- sign -0.042+/-0.065 χ^2/NDF: 74.1/56

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 322.520+/-0.056 χ^2/NDF: 2114610.3/29

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 282.436+/-0.051 χ^2/NDF: 5021010.8/33

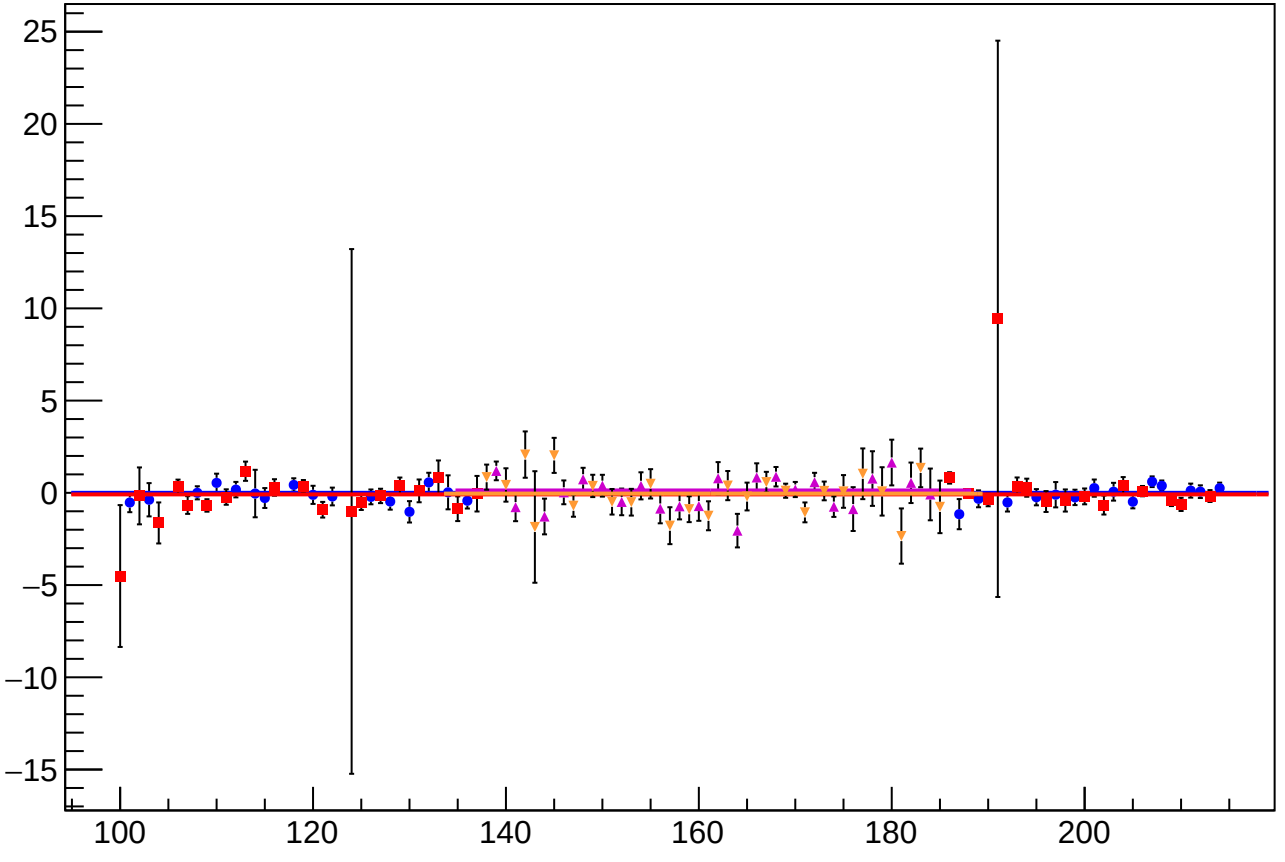
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 385.252+/-0.049 χ^2/NDF: 12106702.0/54

All: 362.551+/-0.034 χ^2/NDF: 27490919.1/11

- sign 343.083+/-0.046 χ^2/NDF: 14993345.7/56

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.080 χ^2/NDF: 24.6/29

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.084+/-0.072 χ^2/NDF: 43.3/33

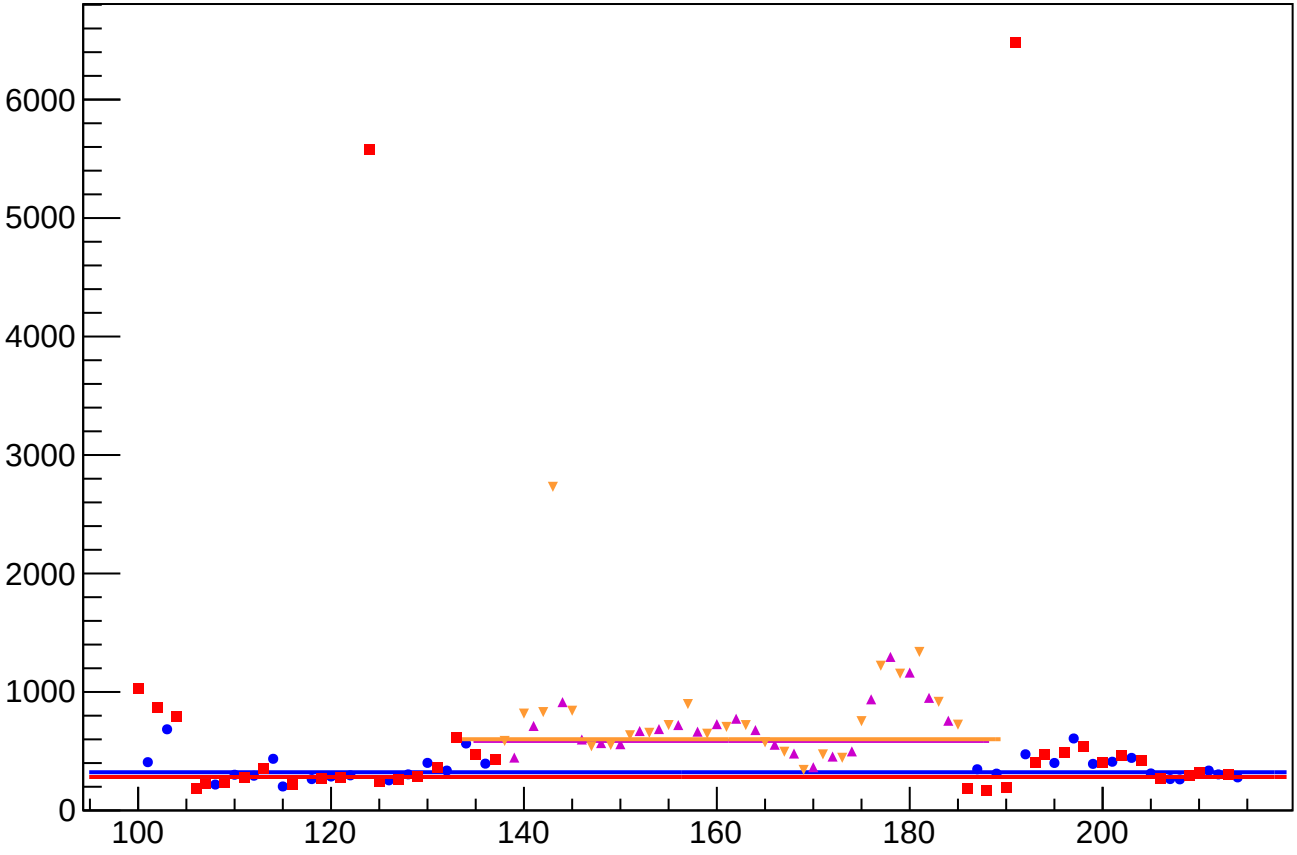
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.009+/-0.070 χ^2/NDF: 54.8/54

All: -0.027+/-0.048 χ^2/NDF: 129.0/111

- sign -0.042+/-0.065 χ^2/NDF: 74.1/56

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 322.520+/-0.056 χ^2/NDF: 2114610.3/29

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

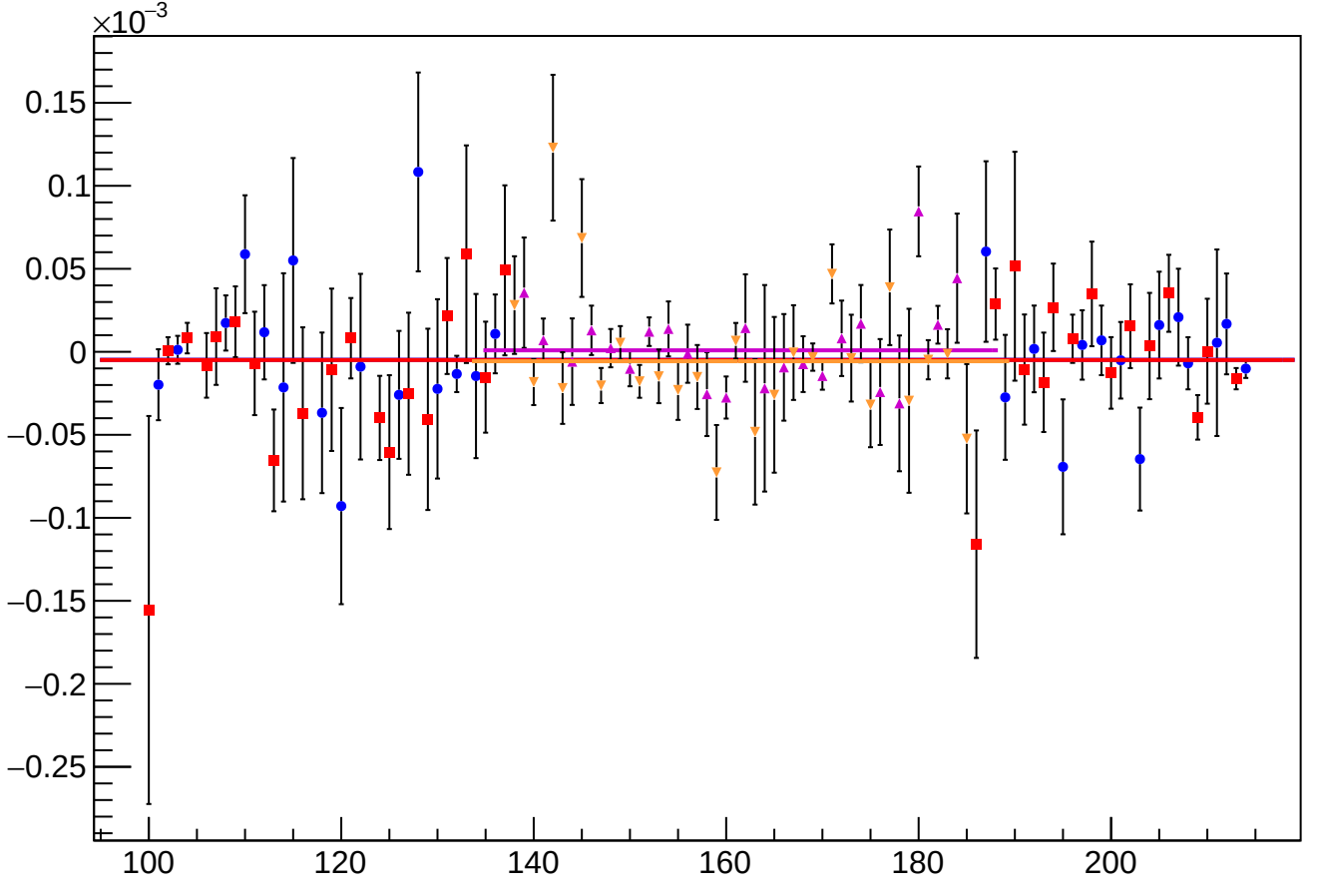
Right Out: 282.436+/-0.051 χ^2/NDF: 5021010.8/33

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 385.252+/-0.049 χ^2/NDF: 12106702.0/54

All: 362.551+/-0.034 χ^2/NDF: 27490919.1/11

- sign 343.083+/-0.046 χ^2/NDF: 14993345.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.3/33

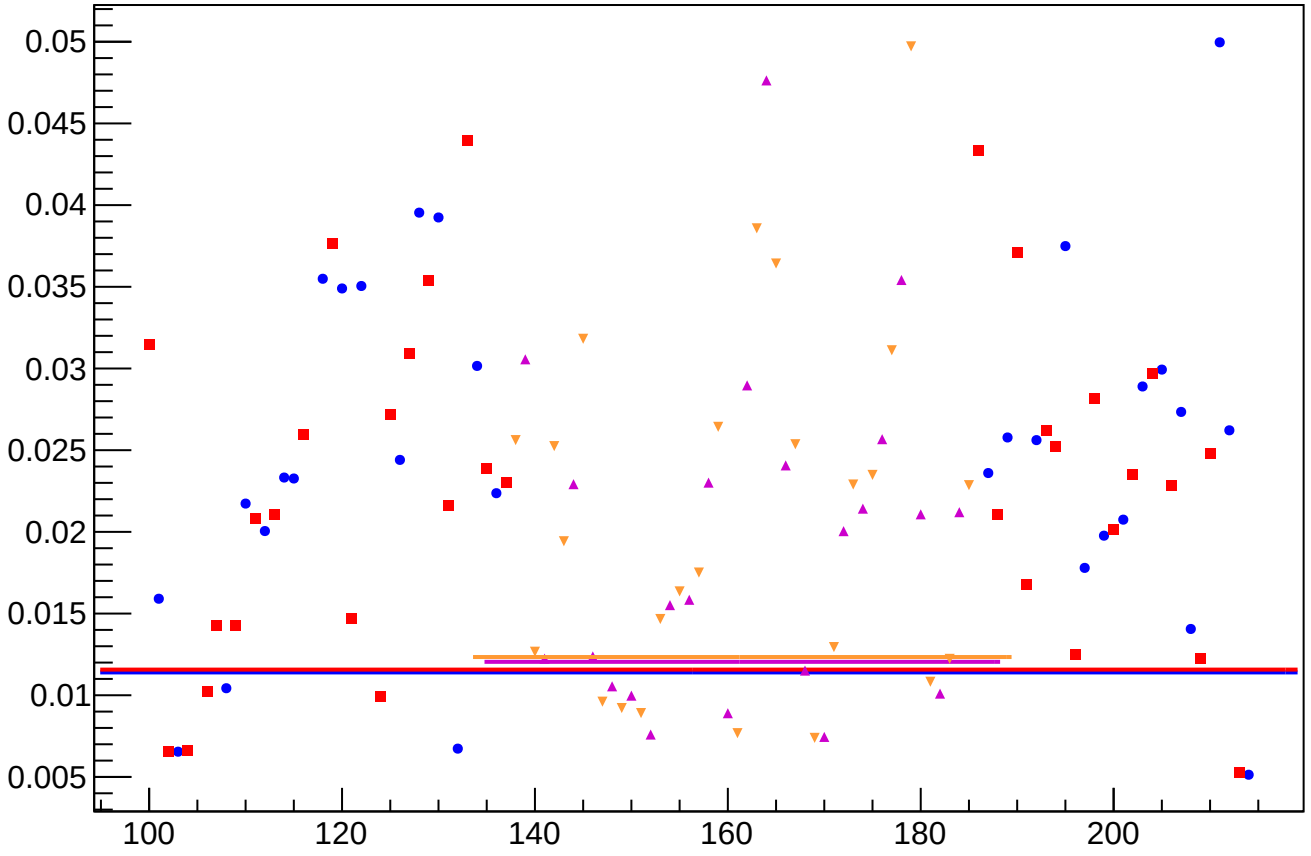
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.9/54

All: -0.000+/-0.000 χ^2/NDF: 142.0/111

- sign -0.000+/-0.000 χ^2/NDF: 72.1/56

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 13194601.2/29

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 11427831.0/33

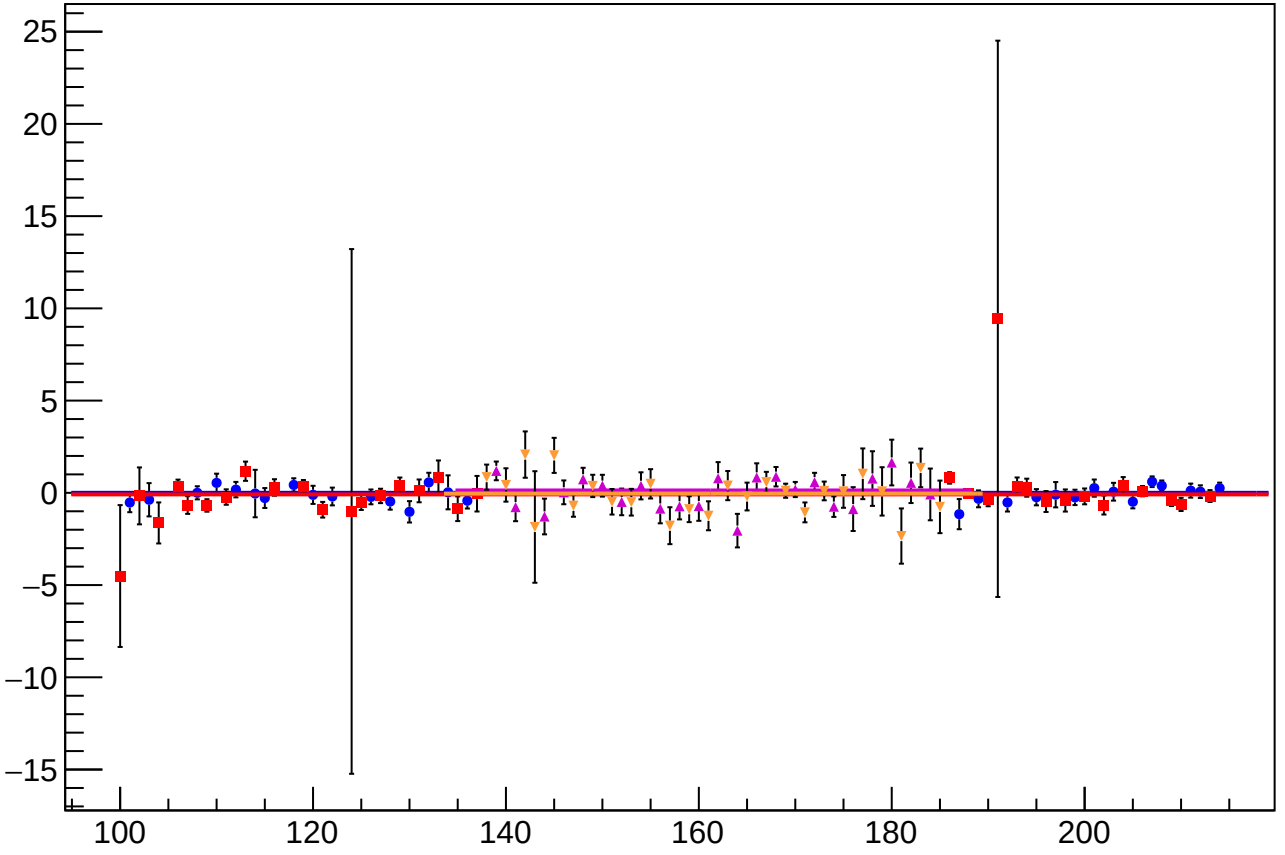
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 21113375.7/54

All: 0.012+/-0.000 χ^2/NDF: 38942807.5/111

- sign 0.012+/-0.000 χ^2/NDF: 17828105.5/56

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.080 χ^2/NDF: 24.6/29

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.084+/-0.072 χ^2/NDF: 43.3/33

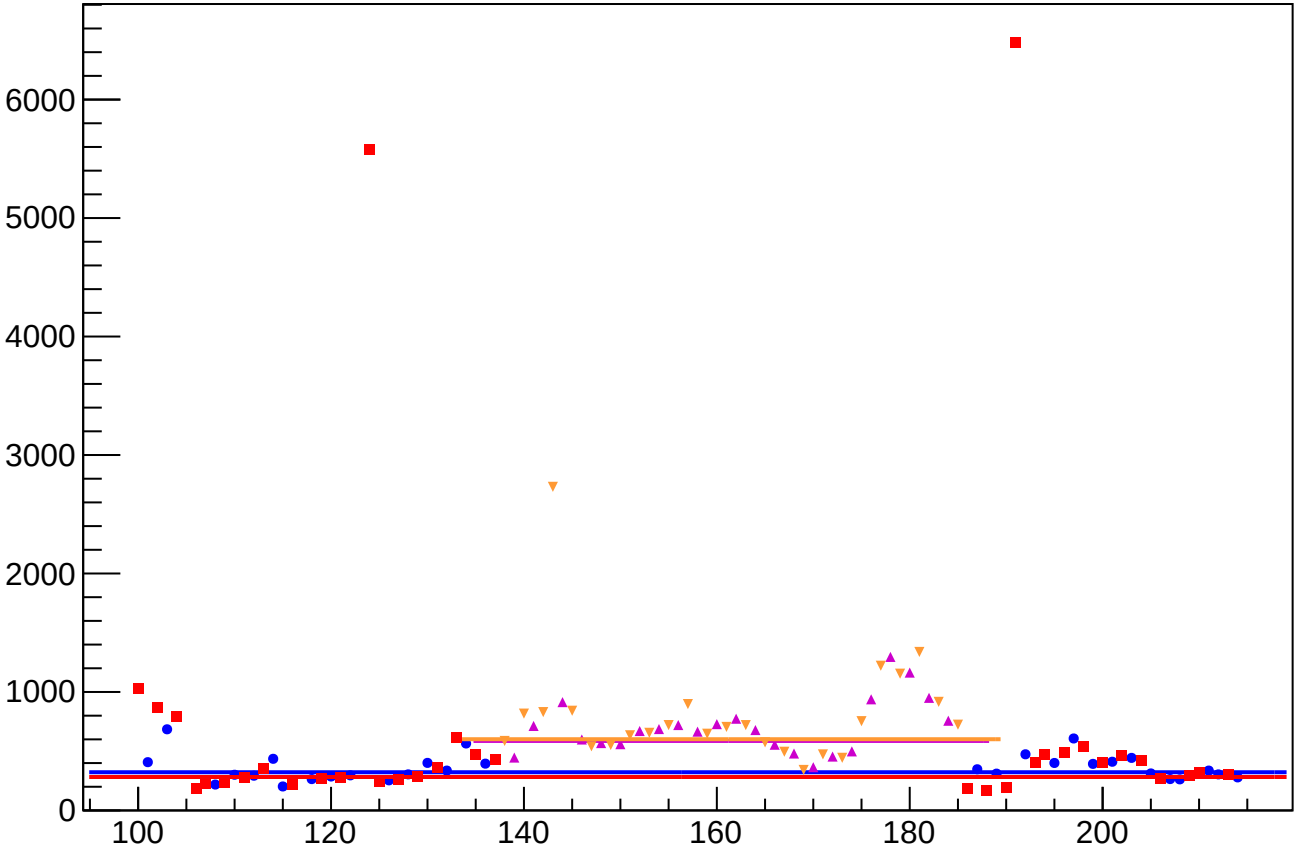
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.009+/-0.070 χ^2/NDF: 54.8/54

All: -0.027+/-0.048 χ^2/NDF: 129.0/111

- sign -0.042+/-0.065 χ^2/NDF: 74.1/56

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 322.519+/-0.056 χ^2/NDF: 2114607.0/29

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

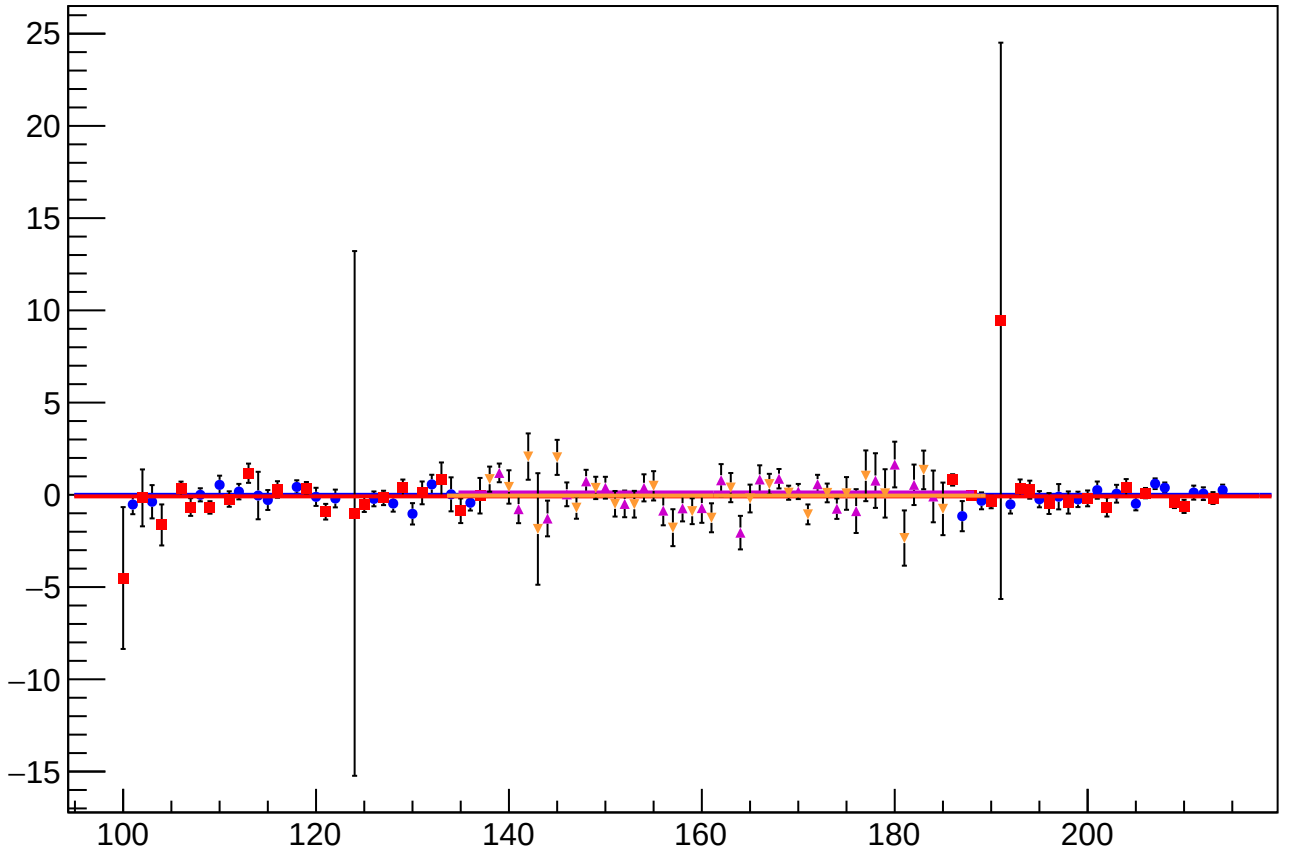
Right Out: 282.430+/-0.051 χ^2/NDF: 5021331.5/33

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 385.251+/-0.049 χ^2/NDF: 12106924.7/54

All: 362.547+/-0.034 χ^2/NDF: 27492070.7/11

- sign 343.076+/-0.046 χ^2/NDF: 14994171.2/56



Right In: 0.001+/-0.080 χ^2/NDF: 24.6/29

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

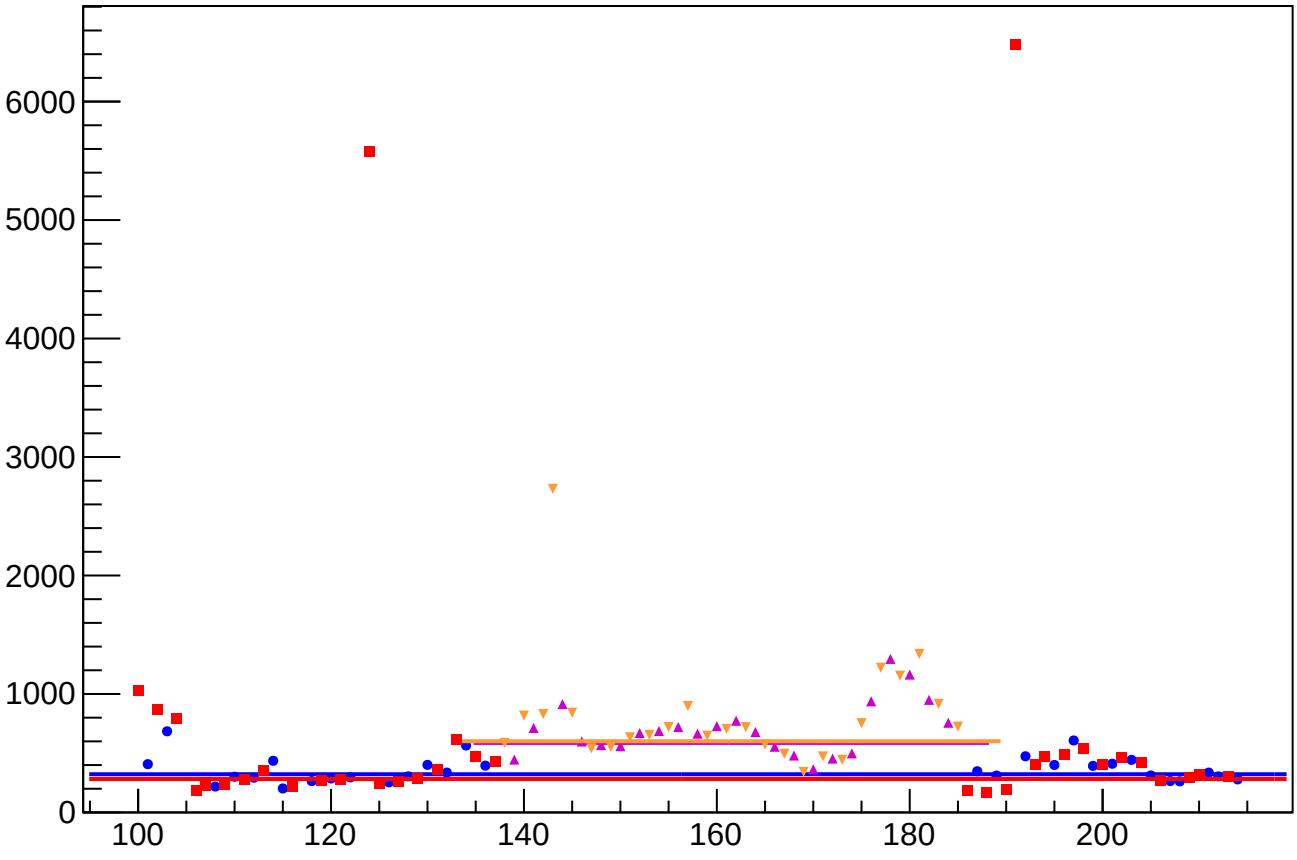
Right Out: -0.084+/-0.072 χ^2/NDF: 43.3/33

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.009+/-0.070 χ^2/NDF: 54.8/54

All: -0.027+/-0.048 χ^2/NDF: 129.0/111

- sign -0.042+/-0.065 χ^2/NDF: 74.1/56



Right In: 322.519+/-0.056 χ^2/NDF: 2114607.0/29

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 282.430+/-0.051 χ^2/NDF: 5021331.5/33

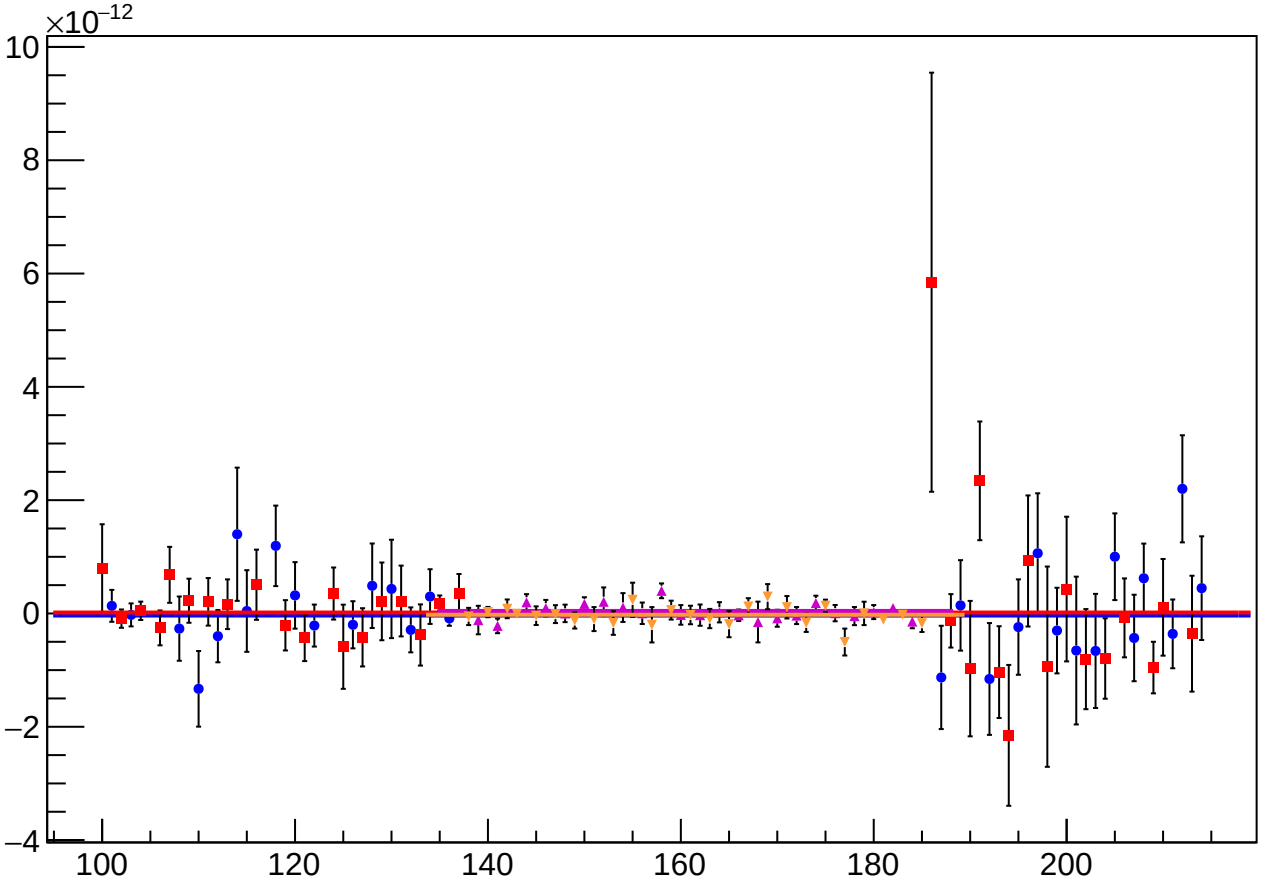
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 385.251+/-0.049 χ^2/NDF: 12106924.7/54

All: 362.547+/-0.034 χ^2/NDF: 27492070.7/11

- sign 343.076+/-0.046 χ^2/NDF: 14994171.2/56

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

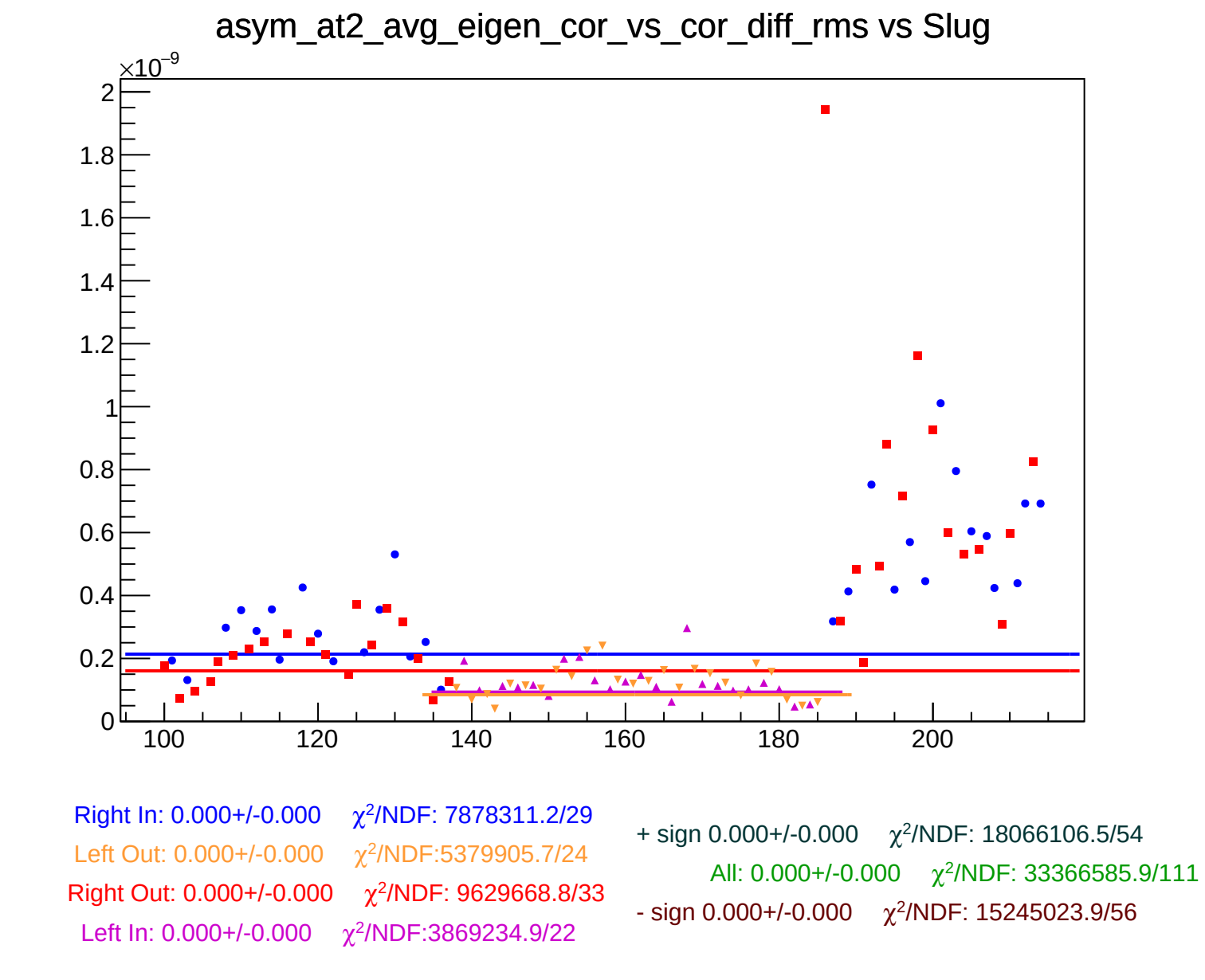
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

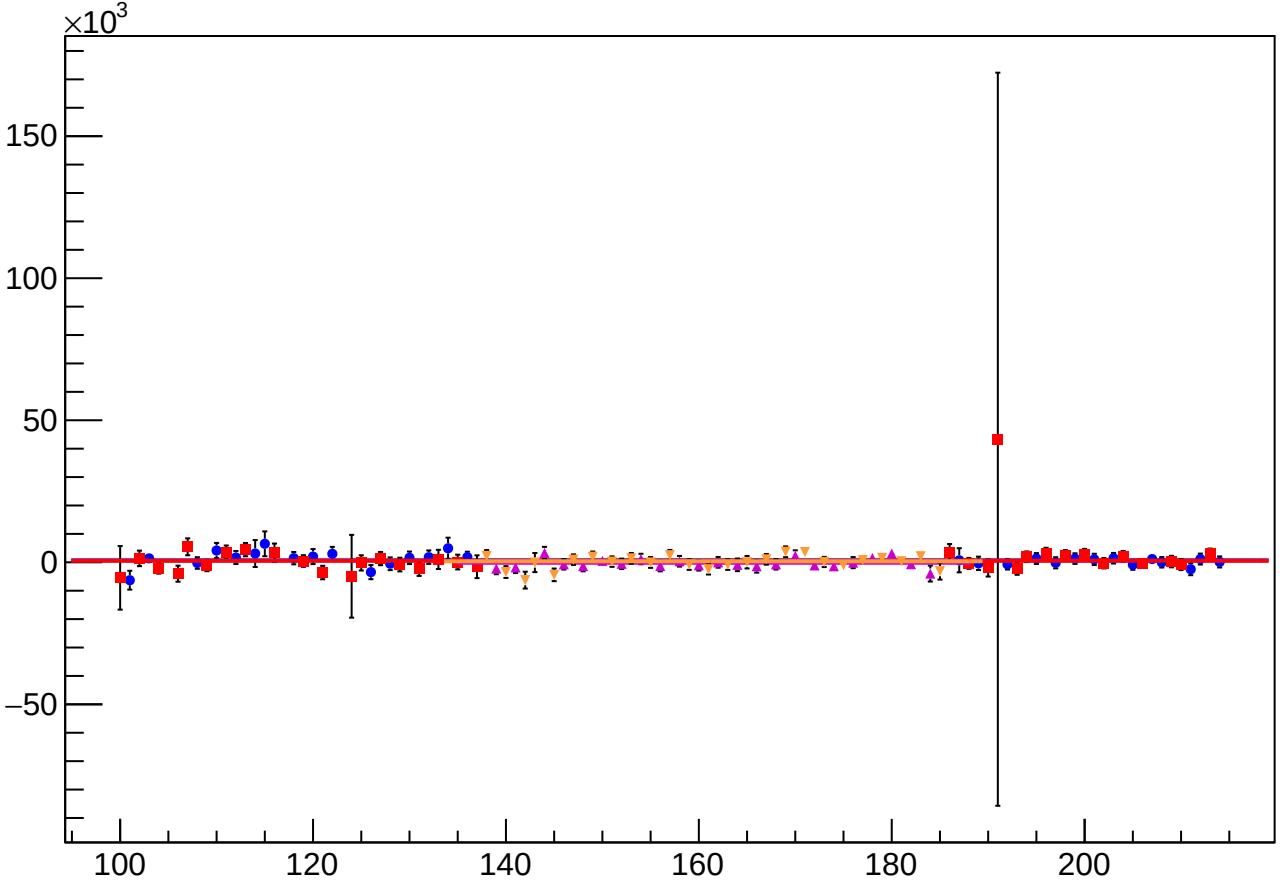
+ sign -0.000+/-0.000 χ^2/NDF: 42.4/54

All: 0.000+/-0.000 χ^2/NDF: 100.5/111

- sign 0.000+/-0.000 χ^2/NDF: 54.8/56


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7878311.2/29
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 9629668.8/33
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 18066106.5/54
All: 0.000+/-0.000 χ²/NDF: 33366585.9/111
- sign 0.000+/-0.000 χ²/NDF: 15245023.9/56

reg_asym_at2_dd_mean vs Slug



Right In: 668.286+/-397.255 χ^2/NDF: 19.7/29

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 555.511+/-396.263 χ^2/NDF: 31.0/33

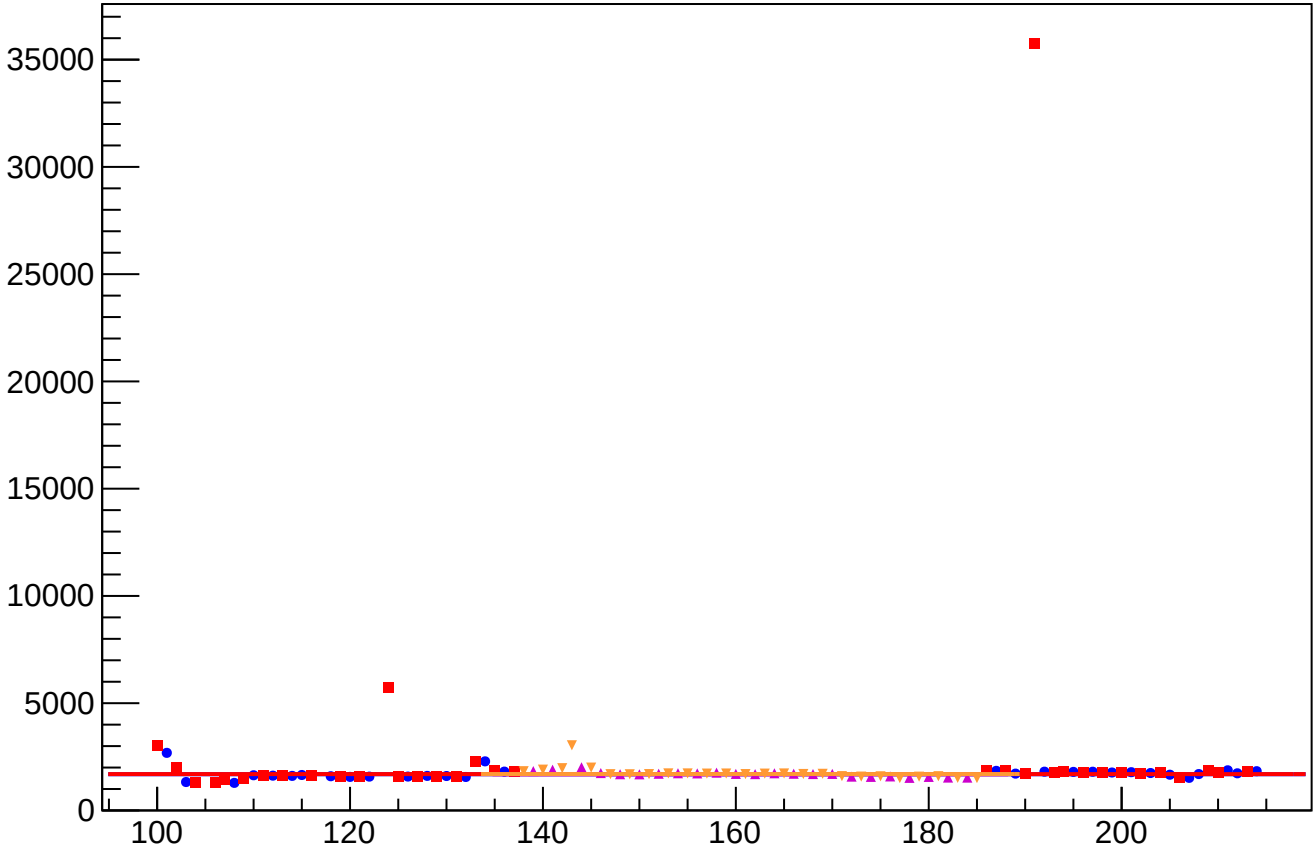
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

\+ sign 511.403+/-277.620 χ^2/NDF: 49.6/54

All: 355.472+/-196.964 χ^2/NDF: 98.9/111

\- sign 197.434+/-279.488 χ^2/NDF: 48.7/56

reg_asym_at2_dd_rms vs Slug



Right In: 1687.432+/-0.281 χ^2/NDF: 518977.2/29

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.7/33

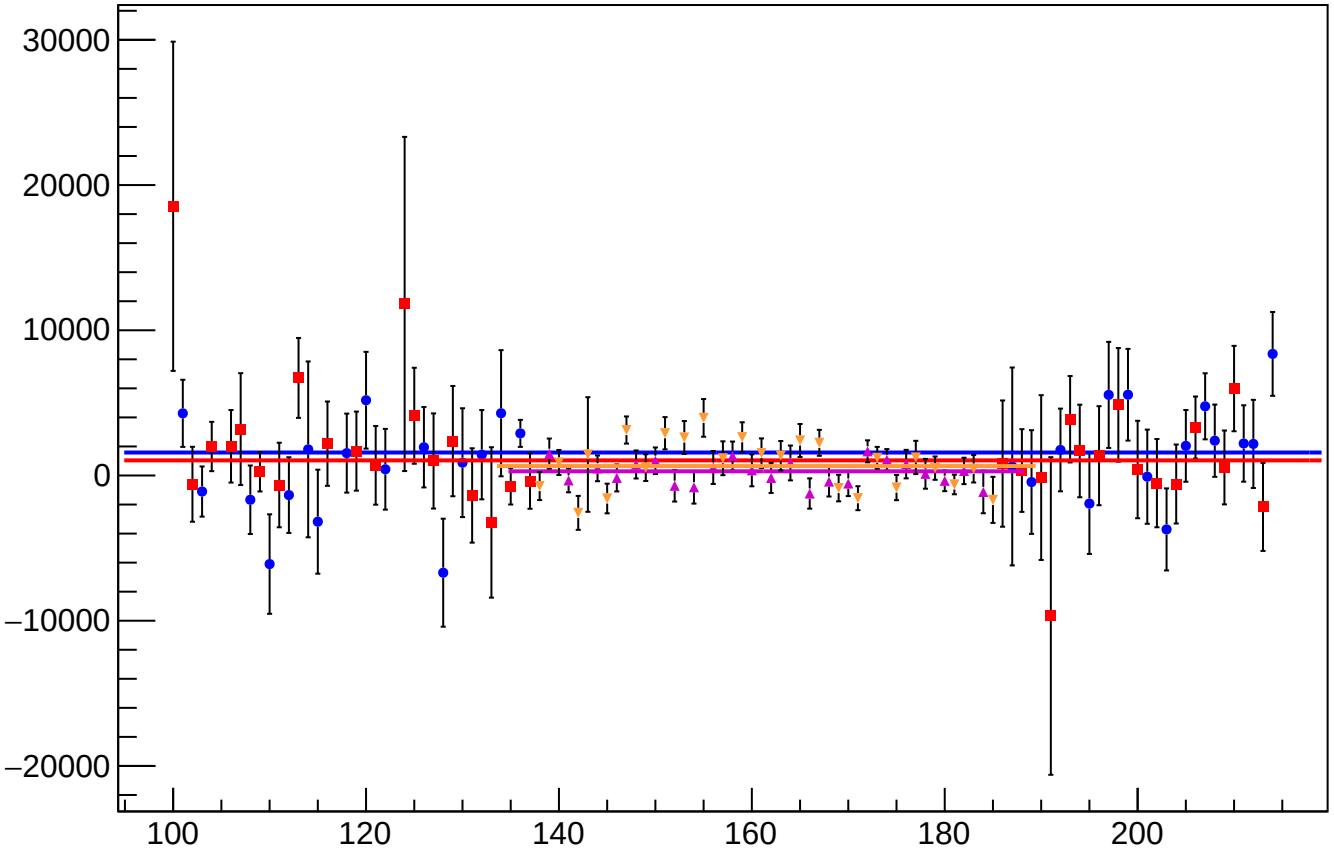
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1692.581+/-0.196 χ^2/NDF: 1015031.7/54

All: 1691.040+/-0.139 χ^2/NDF: 1901834.5/11

- sign 1689.478+/-0.198 χ^2/NDF: 886678.7/56

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1582.404+/-467.473 χ^2/NDF: 38.1/29

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1041.117+/-459.920 χ^2/NDF: 23.1/33

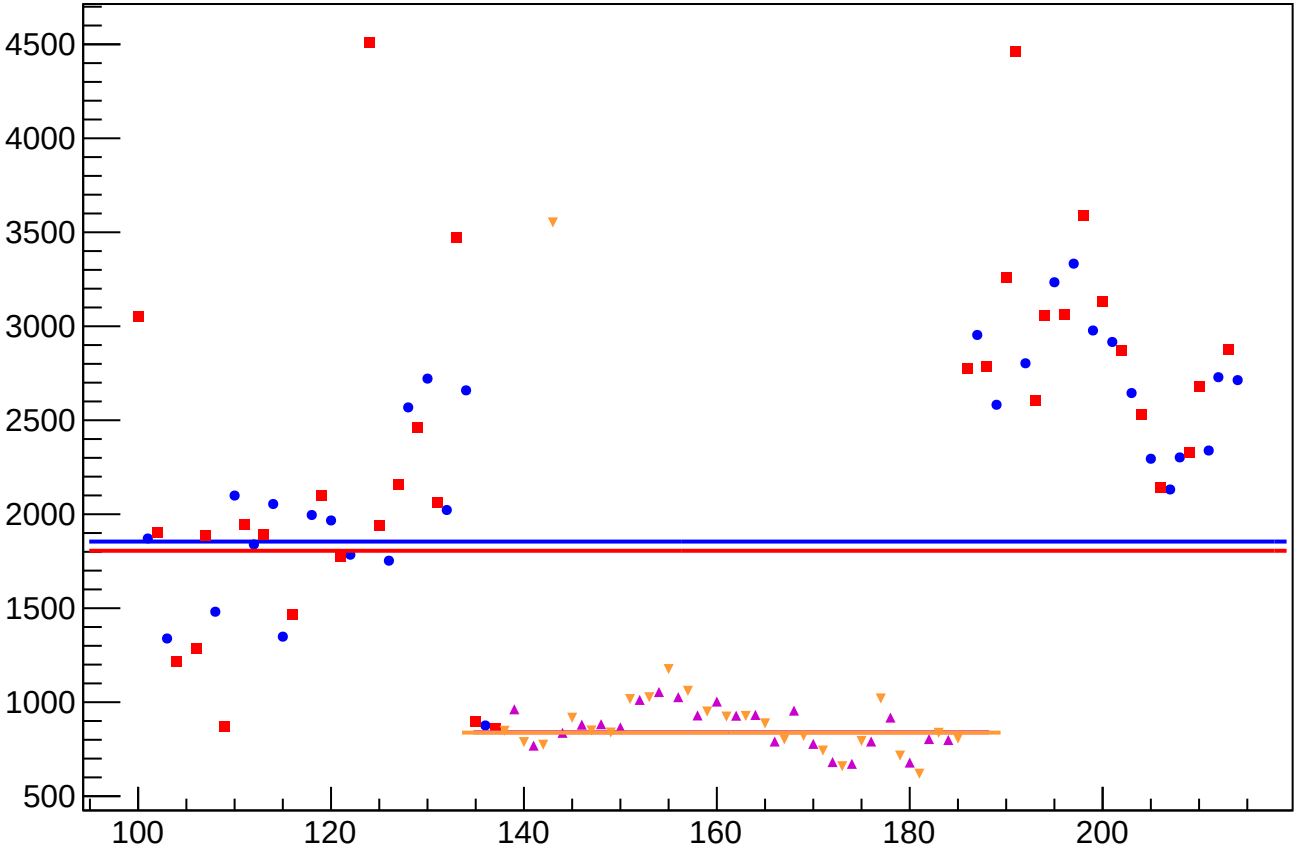
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 788.294+/-180.497 χ^2/NDF: 107.0/54

All: 599.372+/-128.244 χ^2/NDF: 151.2/111

- sign 406.772+/-182.245 χ^2/NDF: 41.9/56

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1854.621+/-0.331 χ^2/NDF: 4953249.9/29

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1805.674+/-0.325 χ^2/NDF: 6306491.1/33

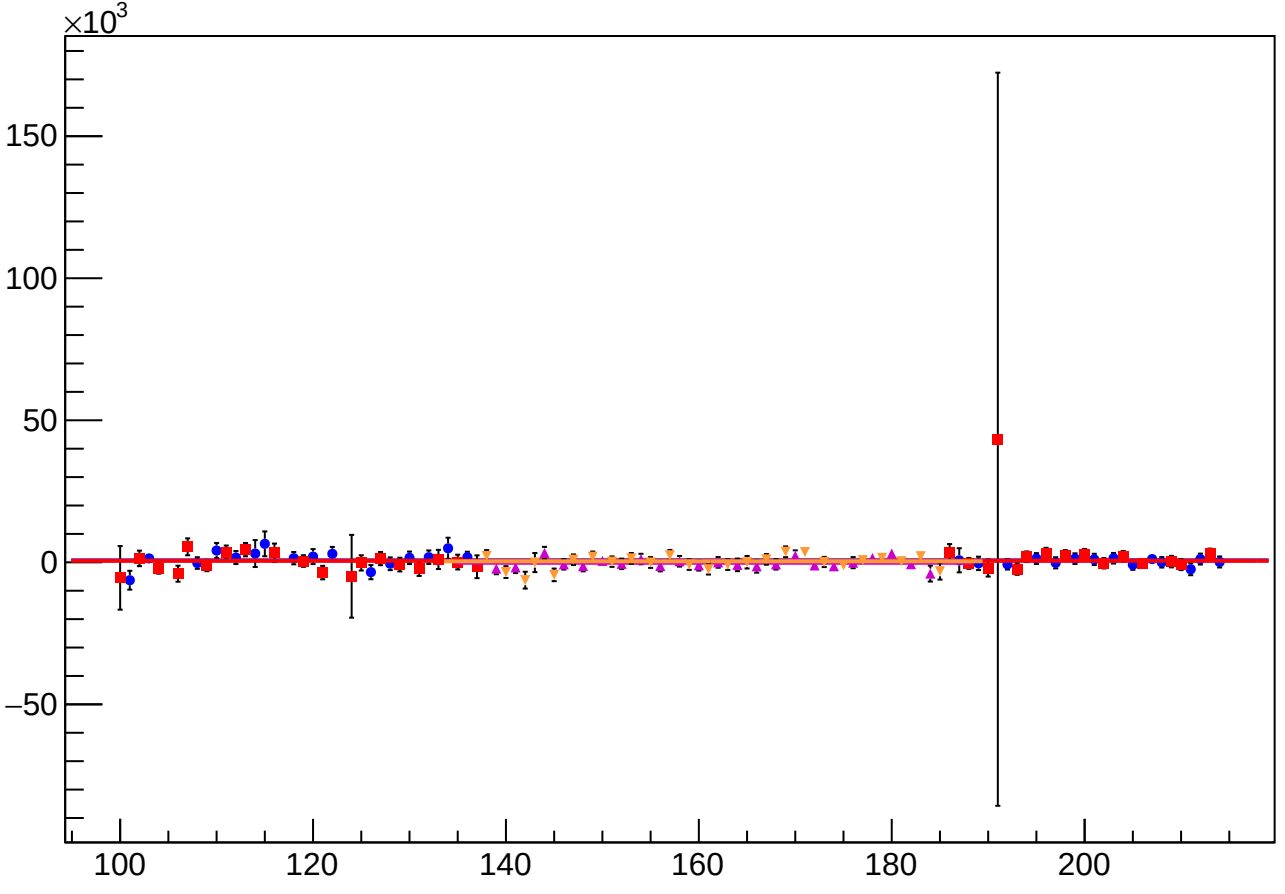
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 989.766+/-0.128 χ^2/NDF: 14798289.4/54

All: 990.678+/-0.091 χ^2/NDF: 29207274.6/11

- sign 991.608+/-0.129 χ^2/NDF: 14408882.1/56

cor_asym_at2_dd_mean vs Slug



Right In: 668.329+/-397.255 χ^2/NDF: 19.7/29

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 555.608+/-396.263 χ^2/NDF: 31.0/33

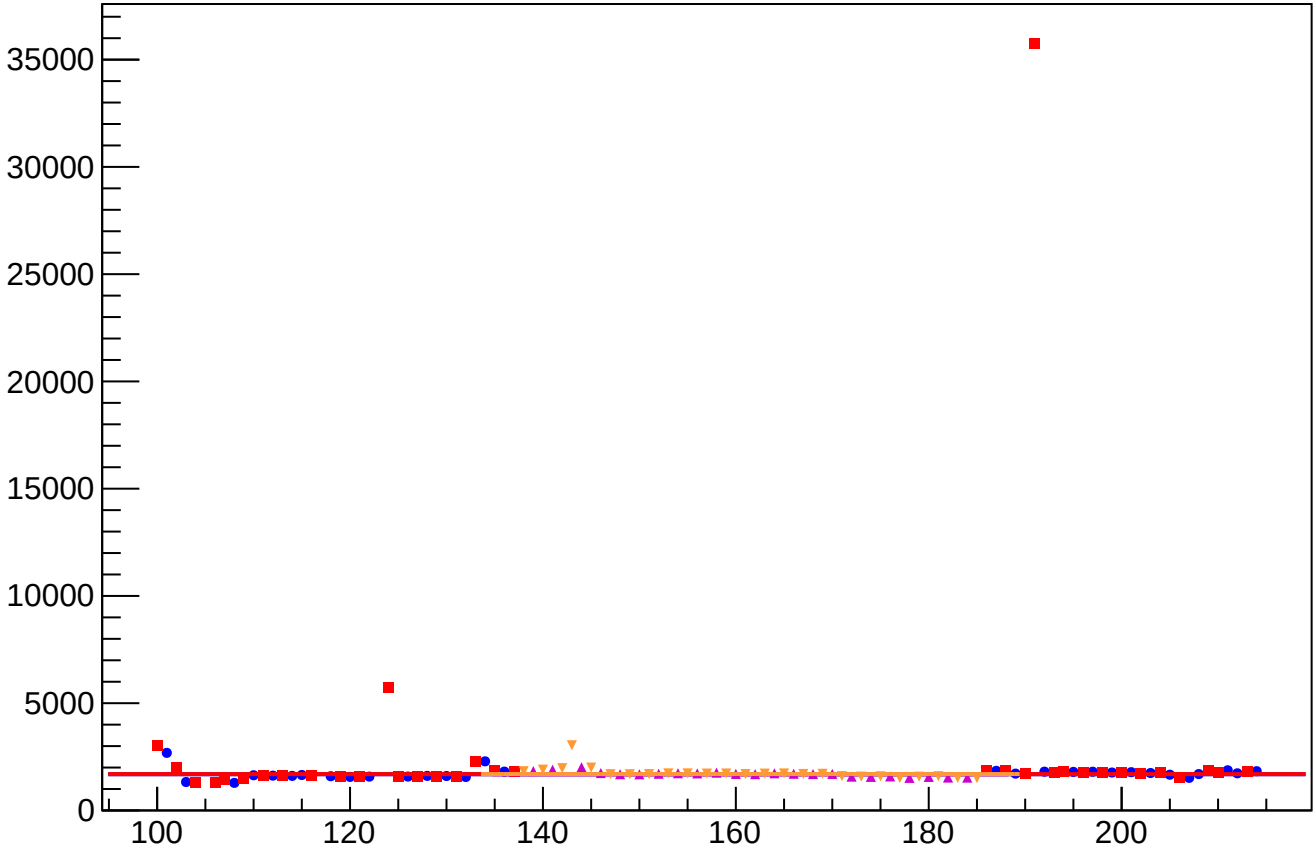
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 511.381+/-277.620 χ^2/NDF: 49.6/54

All: 355.508+/-196.964 χ^2/NDF: 98.9/111

- sign 197.530+/-279.488 χ^2/NDF: 48.7/56

cor_asym_at2_dd_rms vs Slug



Right In: 1687.432+/-0.281 χ^2/NDF: 518977.6/29

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.9/33

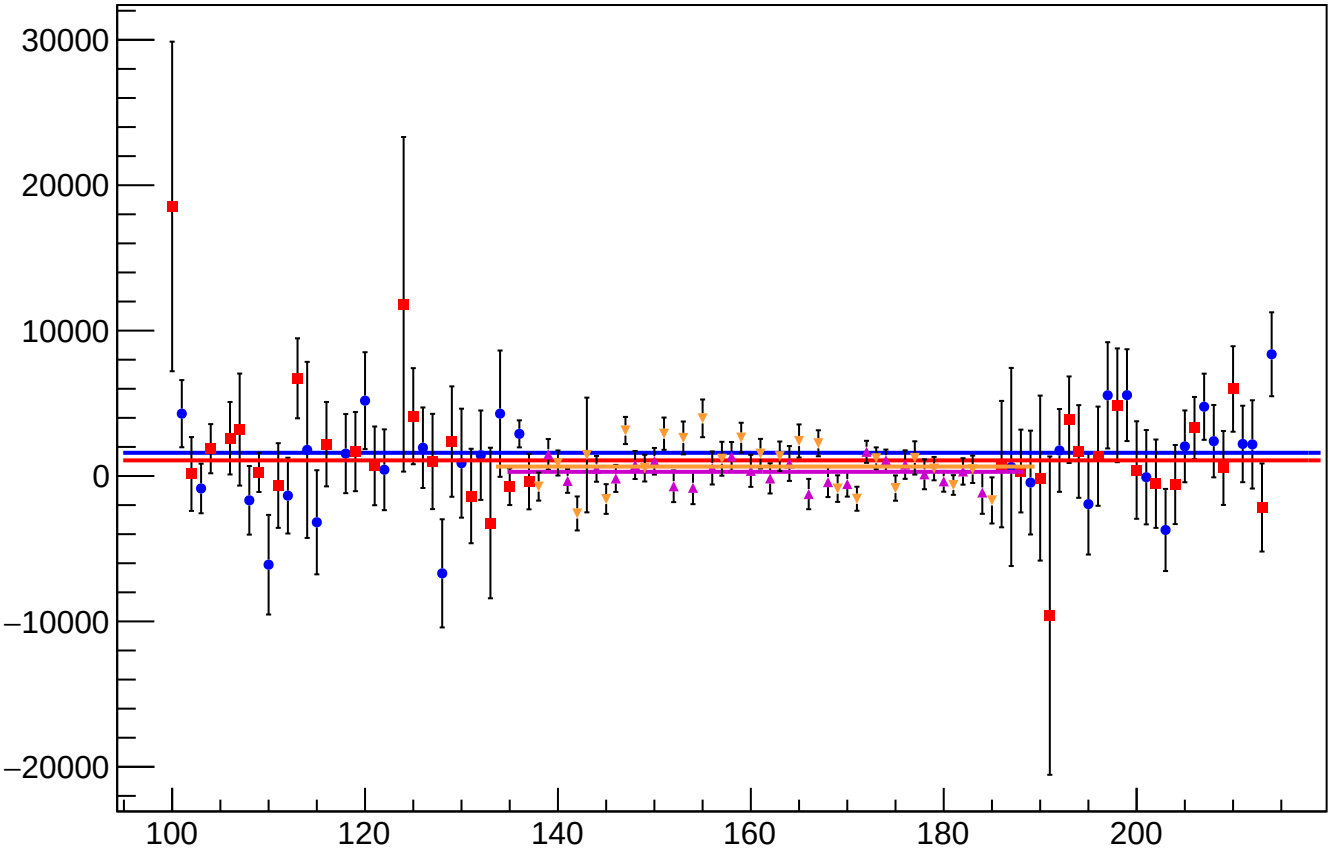
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1692.581+/-0.196 χ^2/NDF: 1015032.0/54

All: 1691.040+/-0.139 χ^2/NDF: 1901834.9/11

- sign 1689.478+/-0.198 χ^2/NDF: 886678.8/56

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1596.627+/-467.040 χ^2/NDF: 37.8/29

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1076.055+/-459.487 χ^2/NDF: 23.0/33

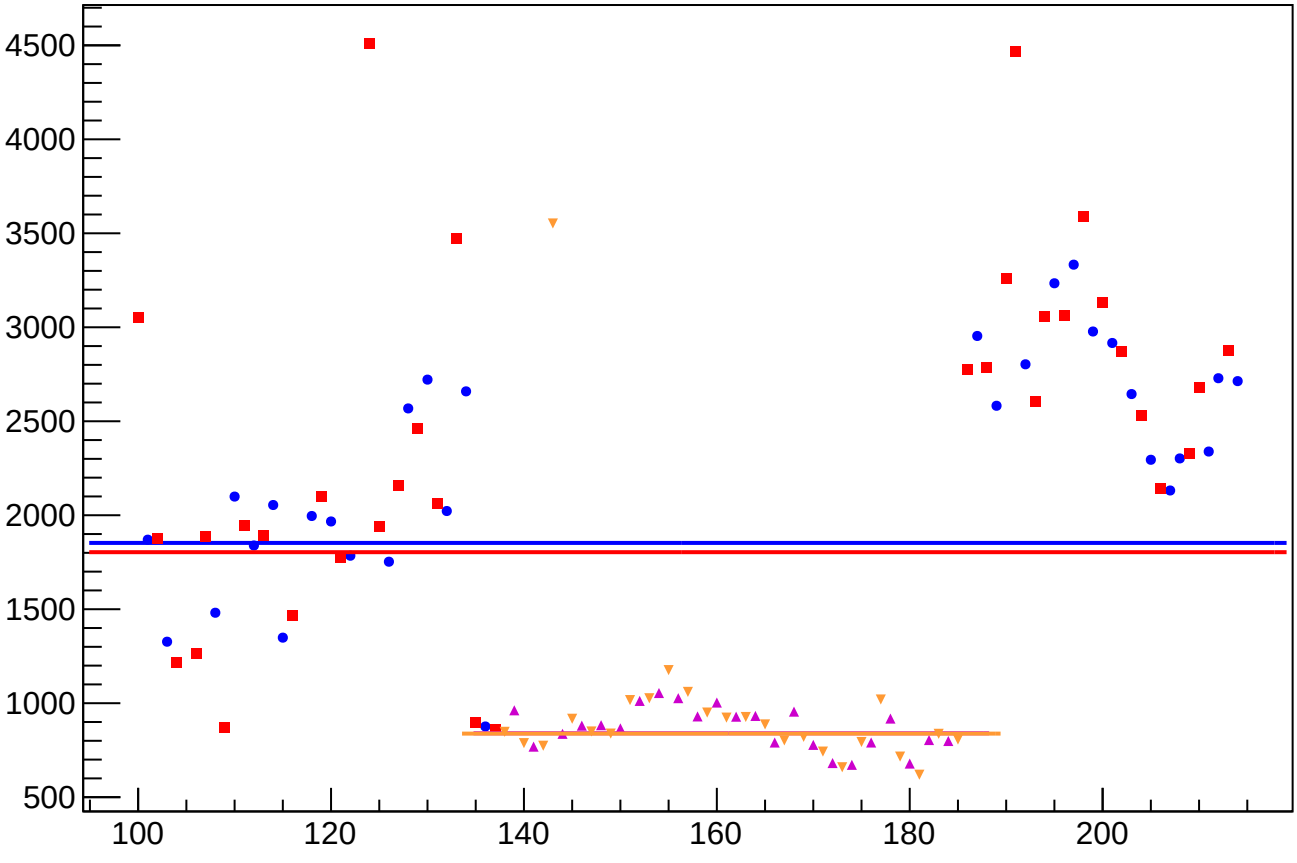
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 790.640+/-180.474 χ^2/NDF: 106.8/54

All: 603.361+/-128.227 χ^2/NDF: 151.0/111

\- sign 412.443+/-182.219 χ^2/NDF: 42.0/56

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1852.770+/-0.330 χ^2/NDF: 4965979.9/29

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1803.480+/-0.325 χ^2/NDF: 6316914.7/33

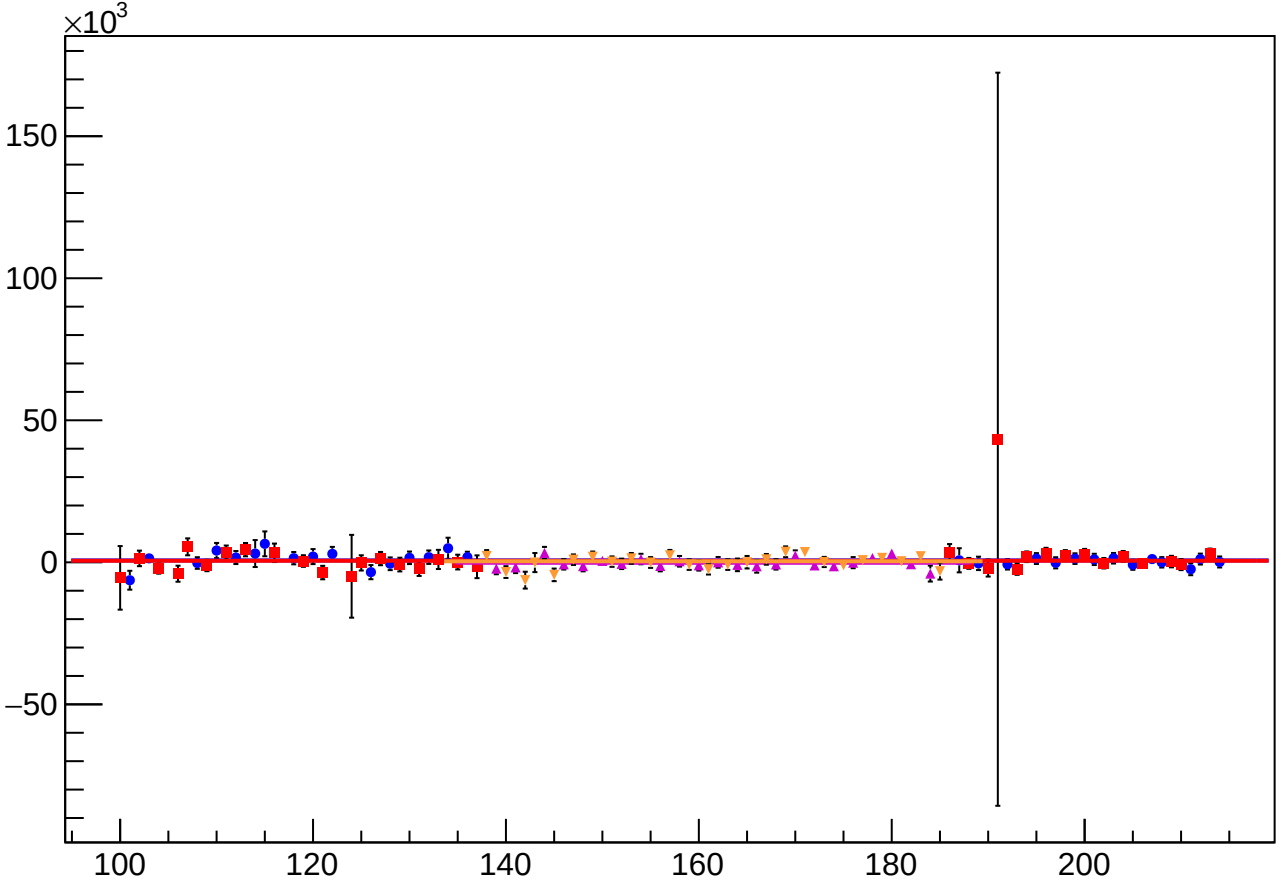
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 989.742+/-0.128 χ^2/NDF: 14794084.8/54

All: 990.616+/-0.091 χ^2/NDF: 29191461.3/11

- sign 991.506+/-0.129 χ^2/NDF: 14397281.8/56

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 668.329+/-397.255 χ^2/NDF: 19.7/29

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 555.608+/-396.263 χ^2/NDF: 31.0/33

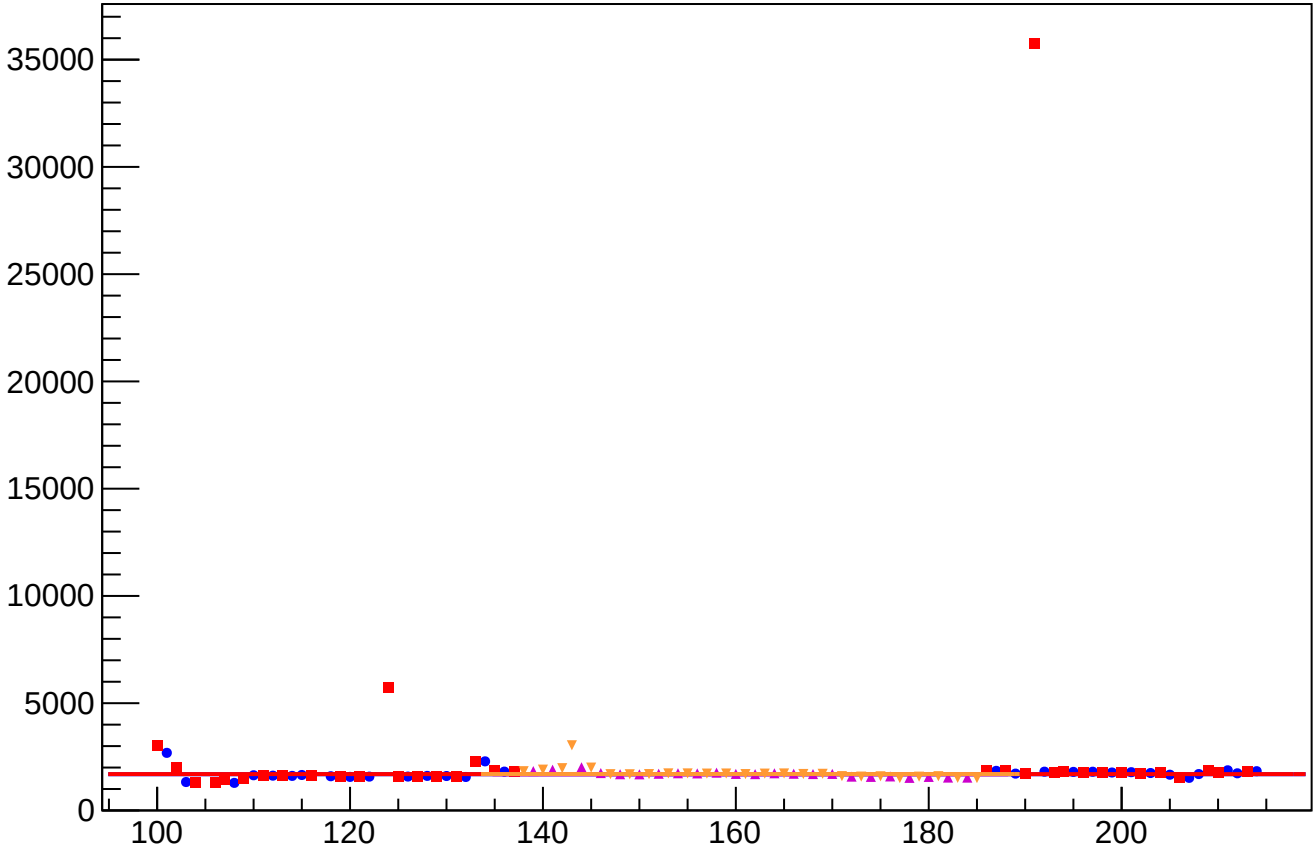
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 511.381+/-277.620 χ^2/NDF: 49.6/54

All: 355.508+/-196.964 χ^2/NDF: 98.9/111

- sign 197.530+/-279.488 χ^2/NDF: 48.7/56

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1687.432+/-0.281 χ^2/NDF: 518977.6/29

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

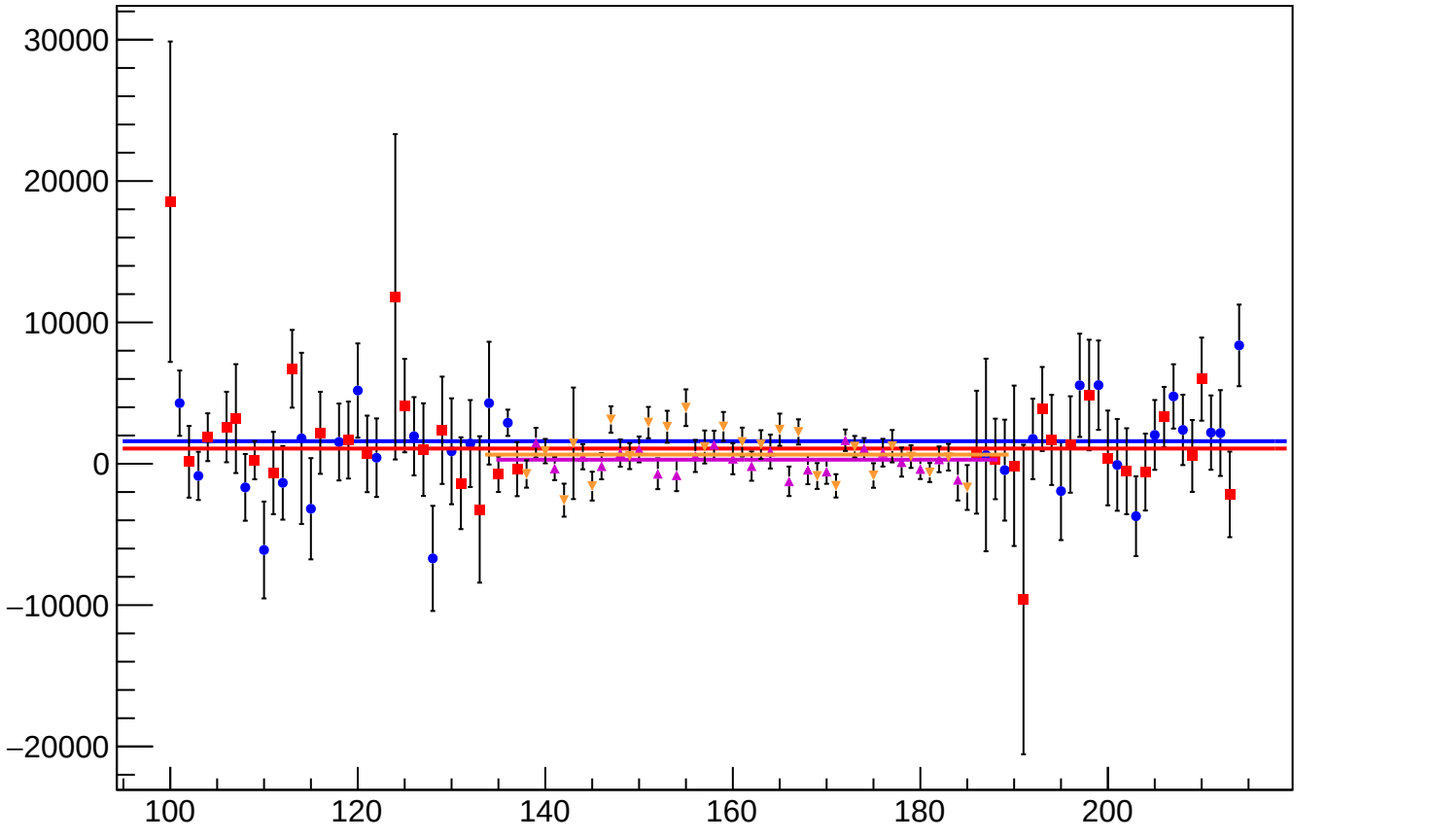
Right Out: 1694.429+/-0.280 χ^2/NDF: 720701.9/33

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1692.581+/-0.196 χ^2/NDF: 1015032.0/54

All: 1691.040+/-0.139 χ^2/NDF: 1901834.9/11

- sign 1689.478+/-0.198 χ^2/NDF: 886678.8/56



Right In: 1596.627+/-467.040 χ^2/NDF: 37.8/29

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1076.055+/-459.487 χ^2/NDF: 23.0/33

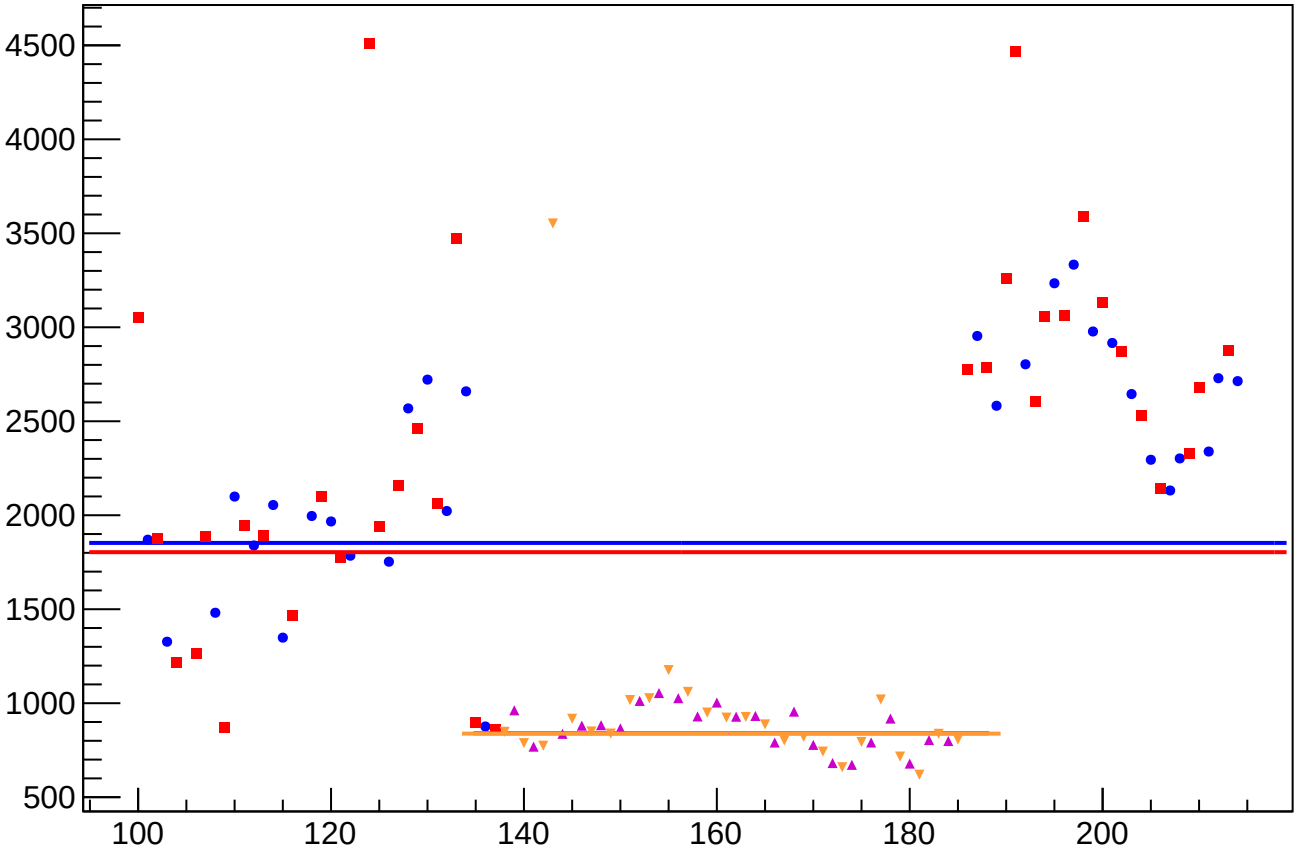
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 790.640+/-180.474 χ^2/NDF: 106.8/54

All: 603.361+/-128.227 χ^2/NDF: 151.0/111

- sign 412.443+/-182.219 χ^2/NDF: 42.0/56

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1852.770+/-0.330 χ^2/NDF: 4965979.9/29

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1803.480+/-0.325 χ^2/NDF: 6316914.7/33

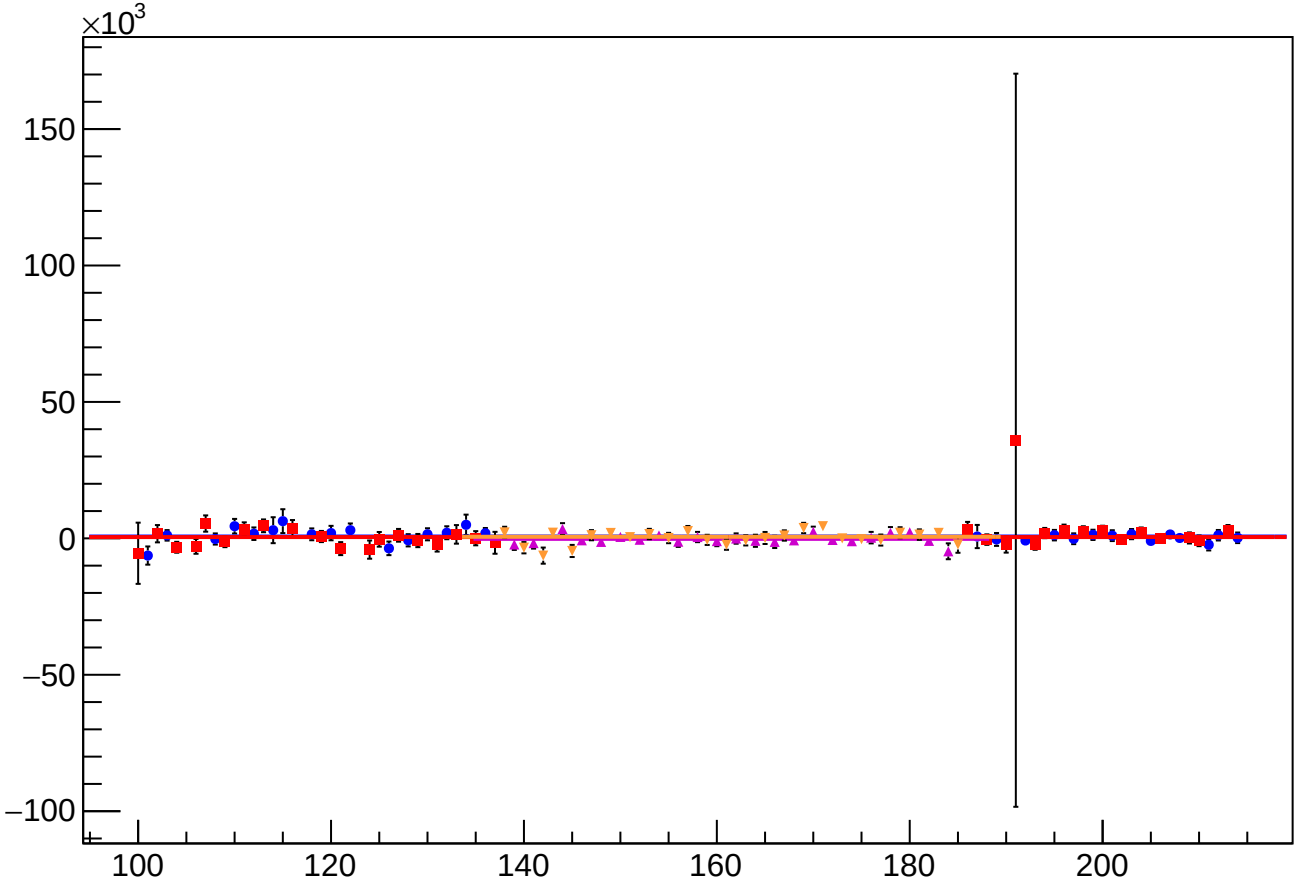
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 989.742+/-0.128 χ^2/NDF: 14794084.8/54

All: 990.616+/-0.091 χ^2/NDF: 29191461.3/11

- sign 991.506+/-0.129 χ^2/NDF: 14397281.8/56

dit_asym_at2_dd_mean vs Slug



Right In: 666.247+/-399.914 χ^2/NDF: 20.2/29

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.065+/-396.764 χ^2/NDF: 33.4/33

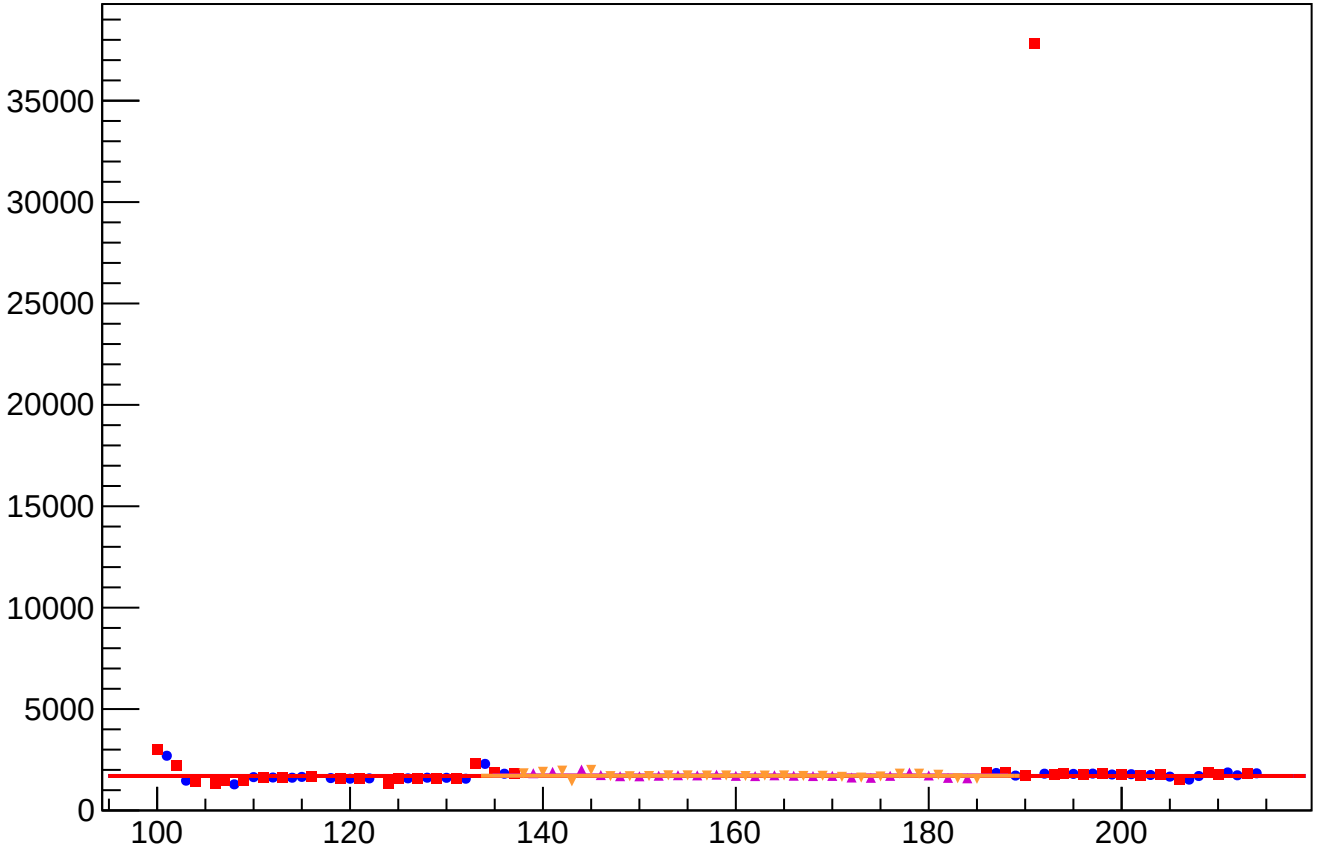
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 622.169+/-279.126 χ^2/NDF: 52.2/54

All: 388.251+/-198.766 χ^2/NDF: 102.8/111

- sign 147.608+/-283.111 χ^2/NDF: 49.2/56

dit_asym_at2_dd_rms vs Slug



Right In: 1700.096+/-0.283 χ^2/NDF: 461464.0/29

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1699.416+/-0.281 χ^2/NDF: 580243.1/33

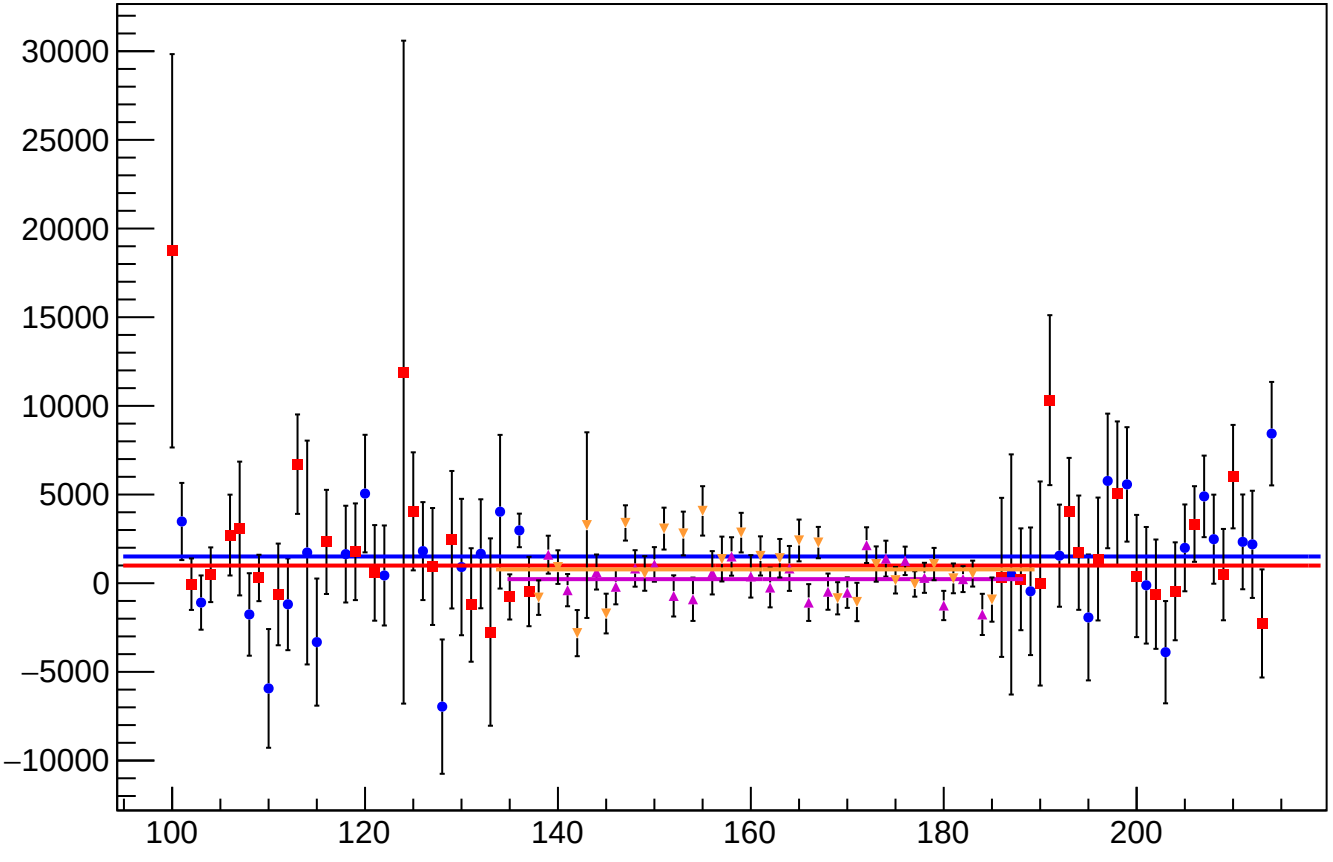
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1706.053+/-0.197 χ^2/NDF: 630335.6/54

All: 1709.676+/-0.141 χ^2/NDF: 1316553.1/11

- sign 1713.403+/-0.200 χ^2/NDF: 685533.9/56

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1507.052+/-465.276 χ^2/NDF: 38.6/29

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 994.981+/-440.237 χ^2/NDF: 25.9/33

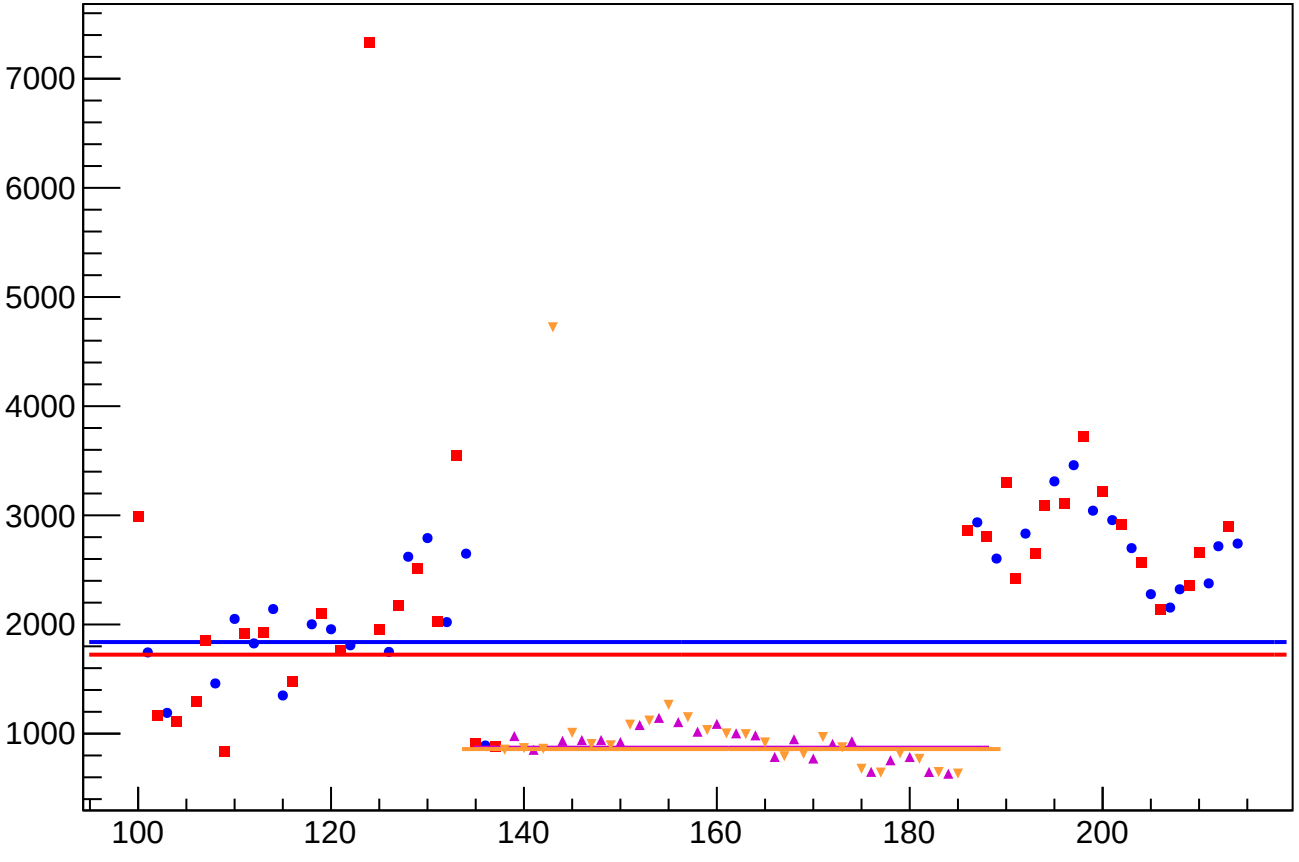
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 894.097+/-185.014 χ^2/NDF: 95.2/54

All: 633.641+/-131.558 χ^2/NDF: 150.2/111

\- sign 367.263+/-187.105 χ^2/NDF: 51.0/56

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1839.092+/-0.329 χ^2/NDF: 5163877.3/29

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1723.578+/-0.311 χ^2/NDF: 6970380.9/33

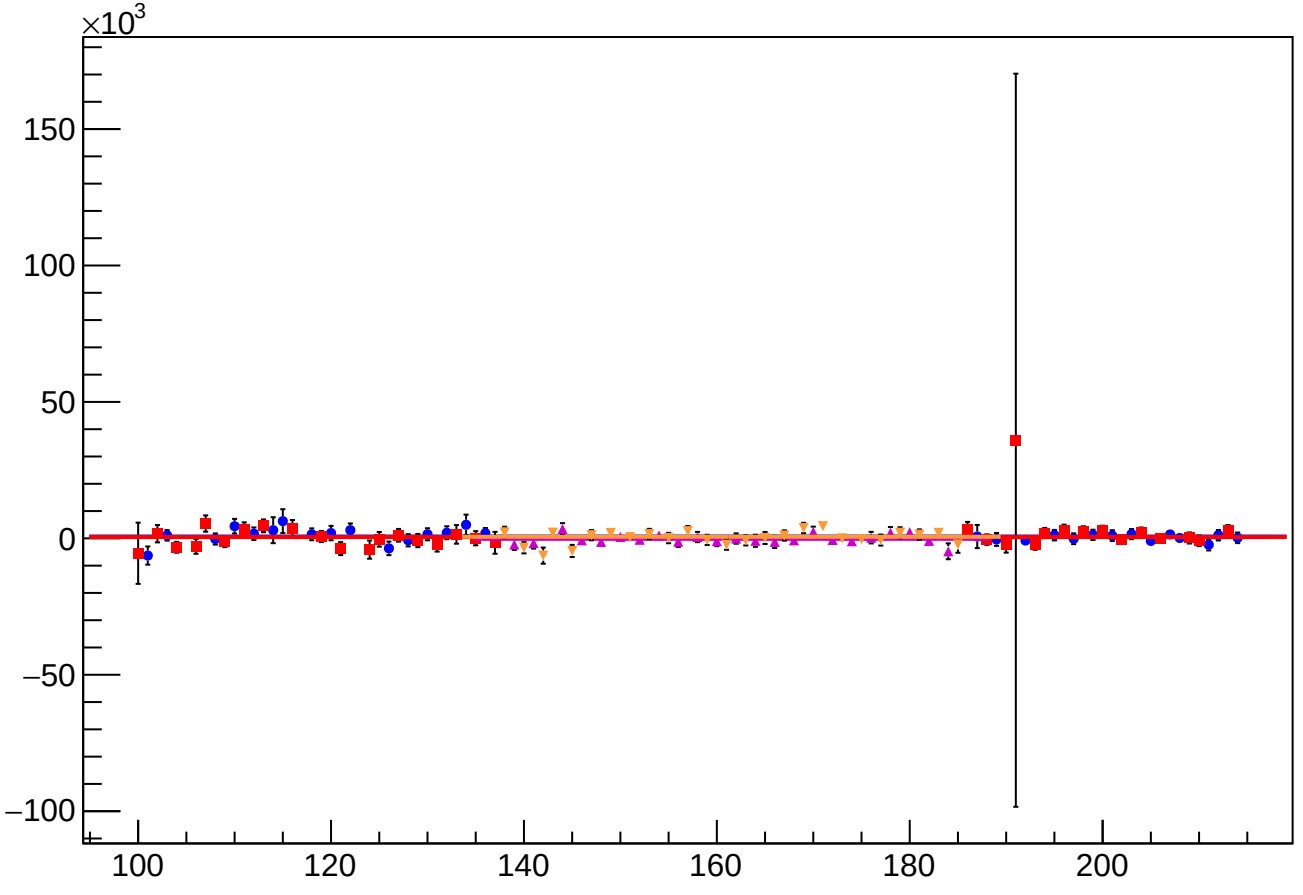
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1013.629+/-0.131 χ^2/NDF: 14921087.0/54

All: 1019.466+/-0.093 χ^2/NDF: 29013413.6/1

- sign 1025.436+/-0.132 χ^2/NDF: 14088299.5/56

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 666.242+/-399.914 χ^2/NDF: 20.2/29

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 469.062+/-396.764 χ^2/NDF: 33.4/33

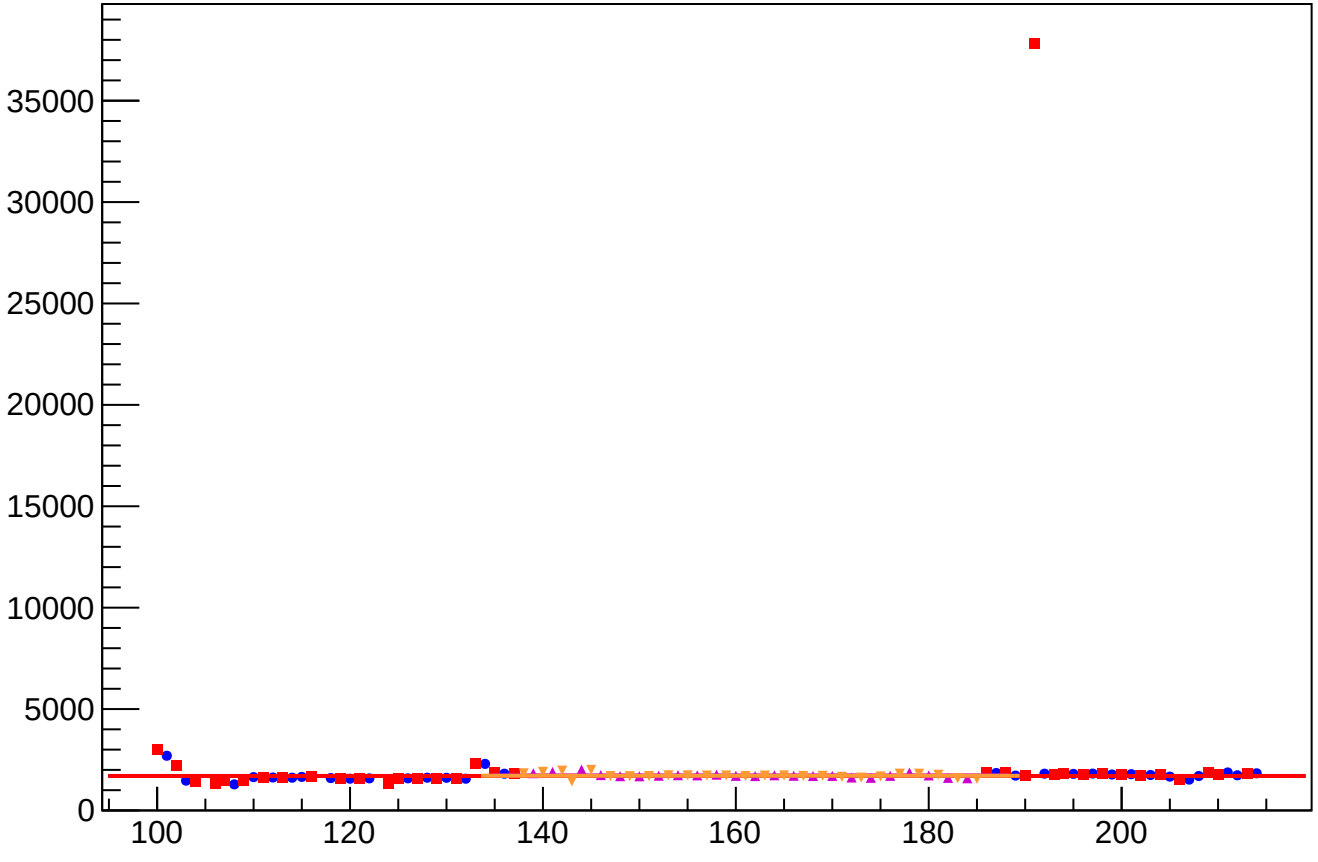
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 622.164+/-279.126 χ^2/NDF: 52.2/54

All: 388.248+/-198.766 χ^2/NDF: 102.8/111

- sign 147.606+/-283.111 χ^2/NDF: 49.2/56

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1700.096+/-0.283 χ^2/NDF: 461463.8/29

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1699.416+/-0.281 χ^2/NDF: 580243.2/33

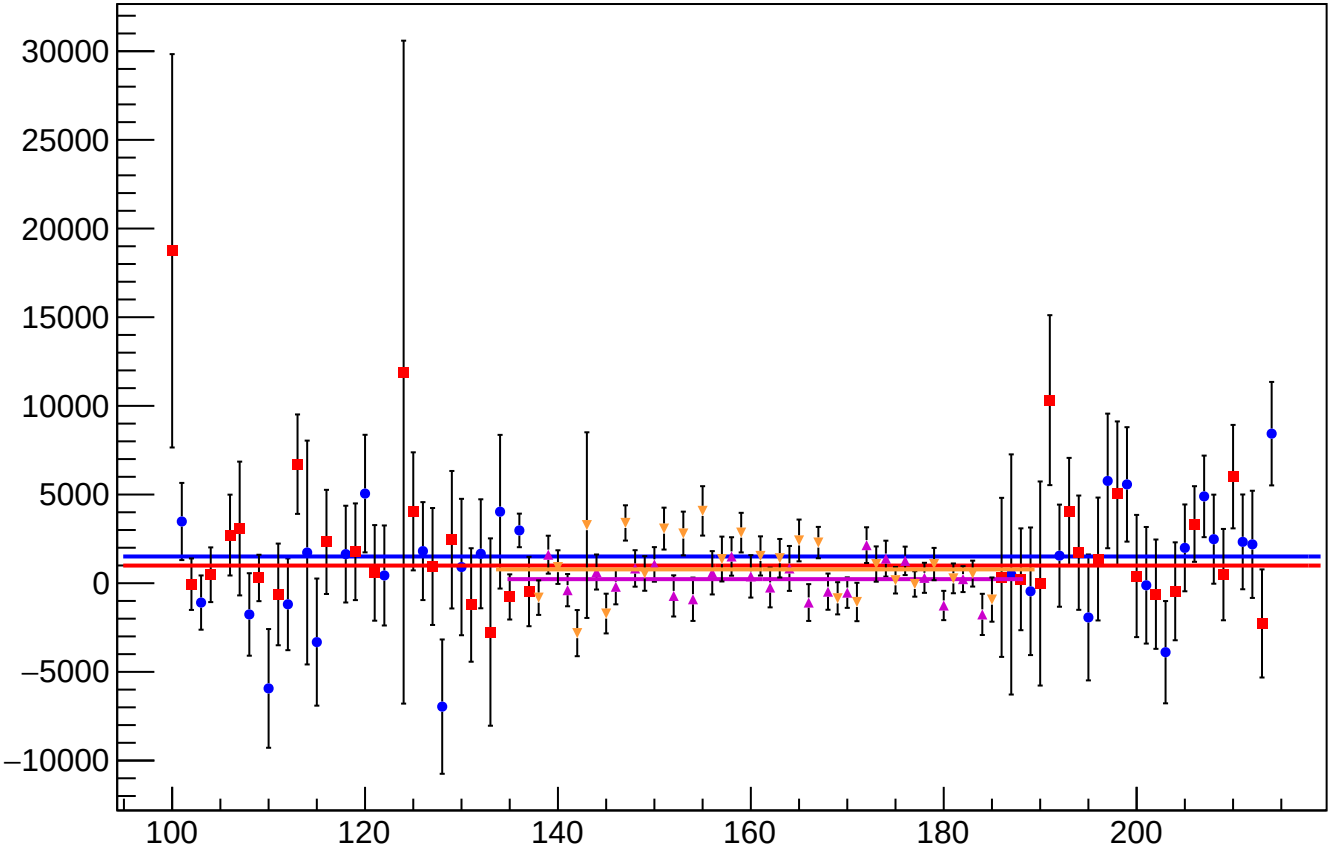
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1706.053+/-0.197 χ^2/NDF: 630334.2/54

All: 1709.676+/-0.141 χ^2/NDF: 1316551.7/11

- sign 1713.403+/-0.200 χ^2/NDF: 685534.0/56

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1507.051+/-465.278 χ^2/NDF: 38.6/29

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 994.994+/-440.239 χ^2/NDF: 25.9/33

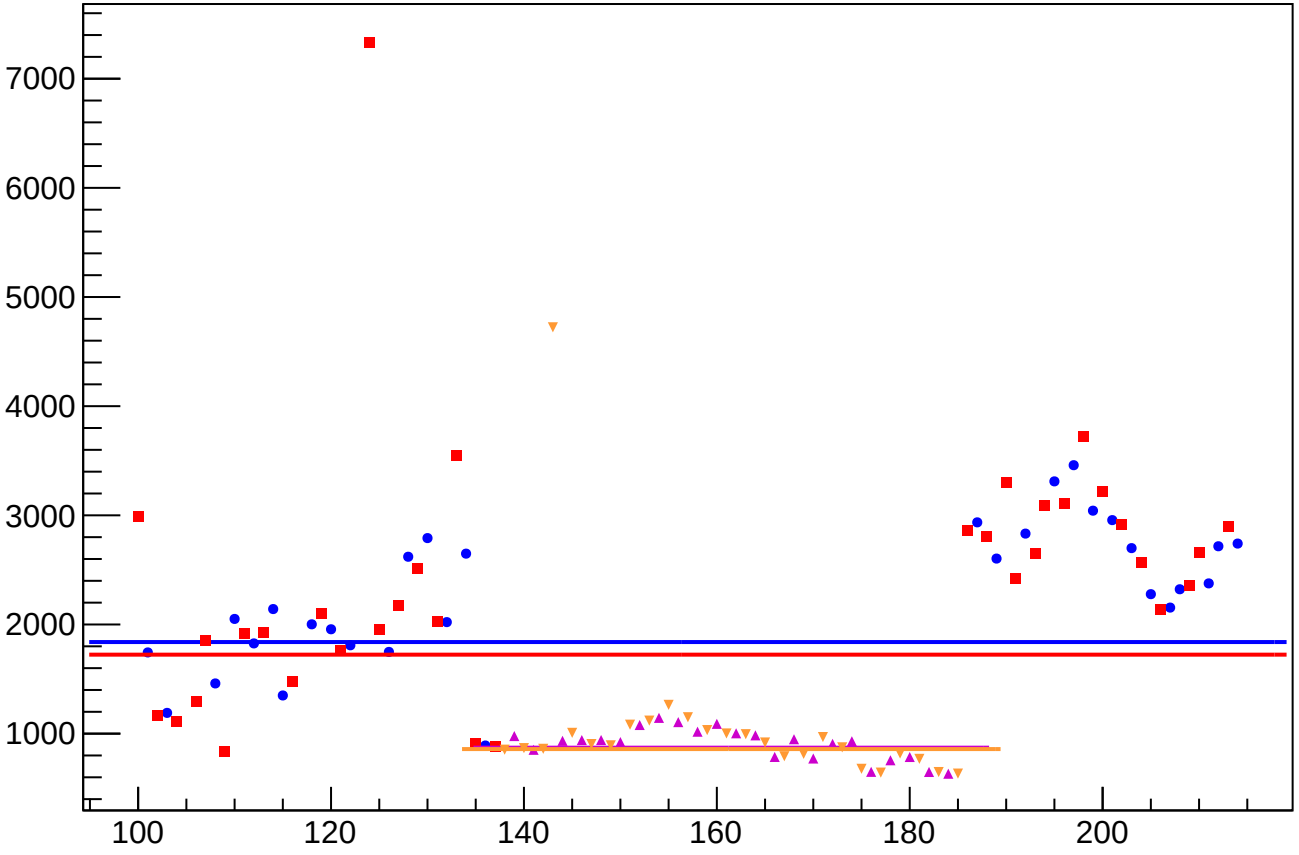
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 894.099+/-185.014 χ^2/NDF: 95.2/54

All: 633.641+/-131.558 χ^2/NDF: 150.2/111

\- sign 367.262+/-187.105 χ^2/NDF: 51.0/56

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1839.105+/-0.329 χ^2/NDF: 5163688.9/29

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1723.591+/-0.311 χ^2/NDF: 6970216.6/33

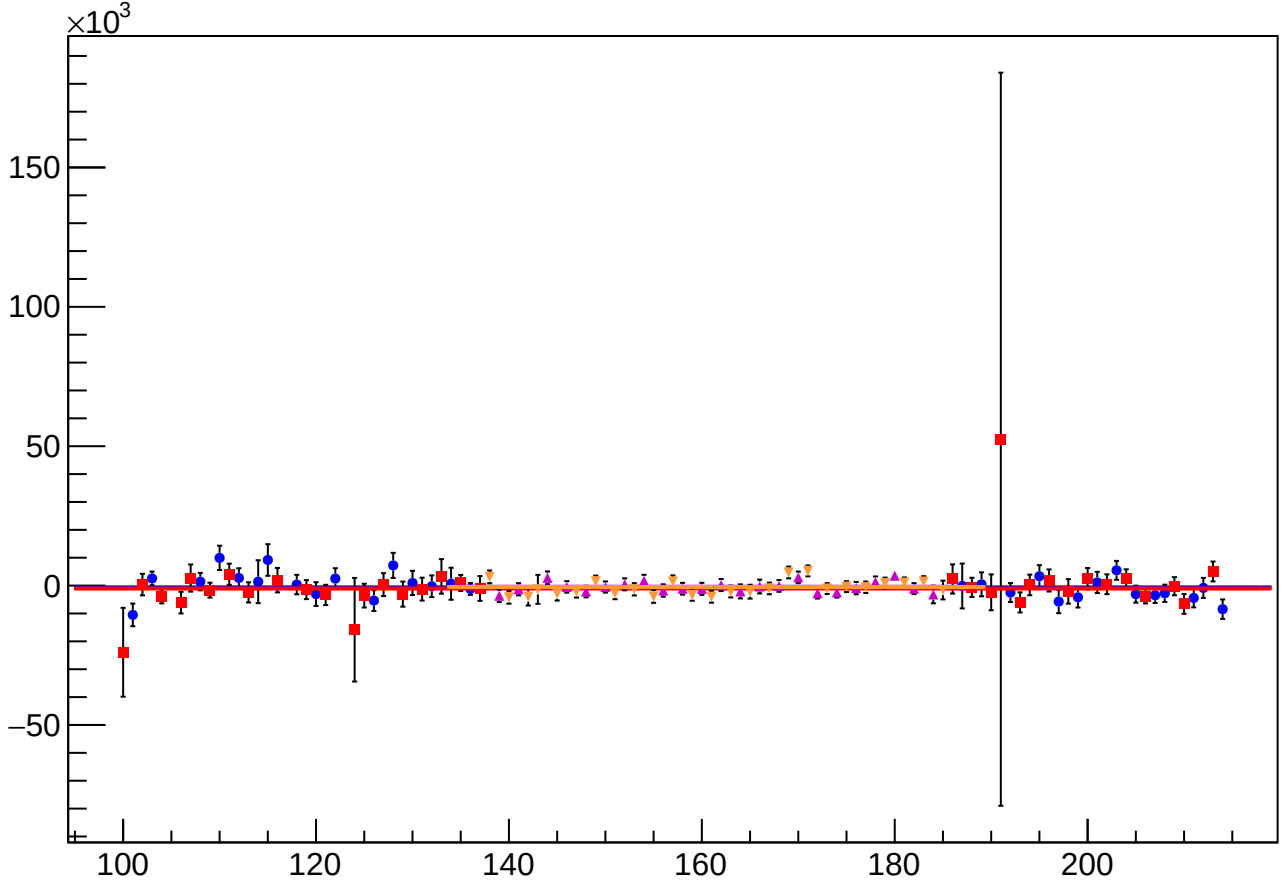
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1013.630+/-0.131 χ^2/NDF: 14921035.4/54

All: 1019.467+/-0.093 χ^2/NDF: 29013360.9/1

- sign 1025.436+/-0.132 χ^2/NDF: 14088299.2/56

asym_at2_dd_mean vs Slug



Right In: -642.035+/-658.970 χ^2/NDF: 39.7/29

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1048.411+/-658.510 χ^2/NDF: 22.9/33

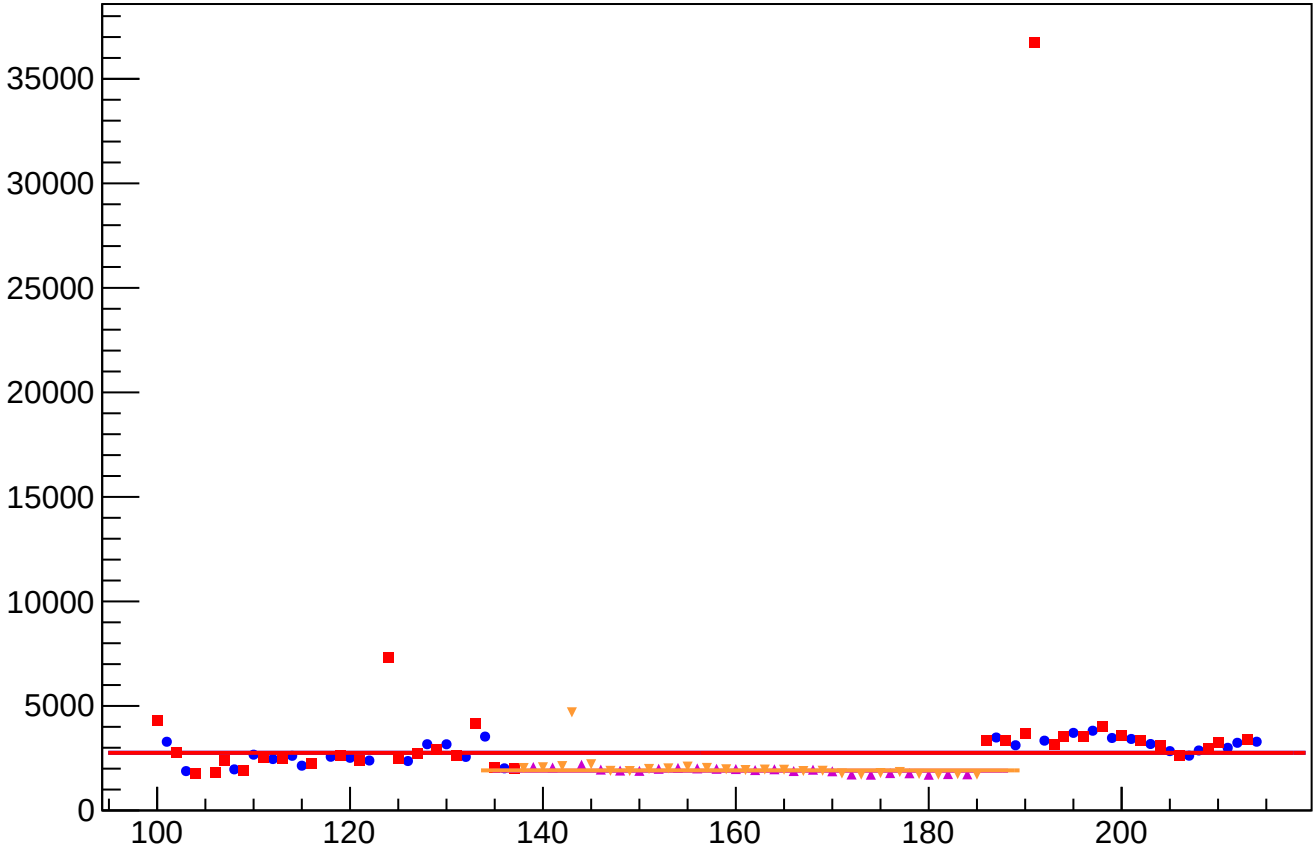
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -544.835+/-365.878 χ^2/NDF: 75.6/54

All: -577.579+/-259.624 χ^2/NDF: 118.0/111

- sign -610.787+/-368.463 χ^2/NDF: 42.4/56

asym_at2_dd_rms vs Slug



Right In: 2759.978+/-0.466 χ^2/NDF: 1423800.3/29

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2756.543+/-0.466 χ^2/NDF: 2067180.3/33

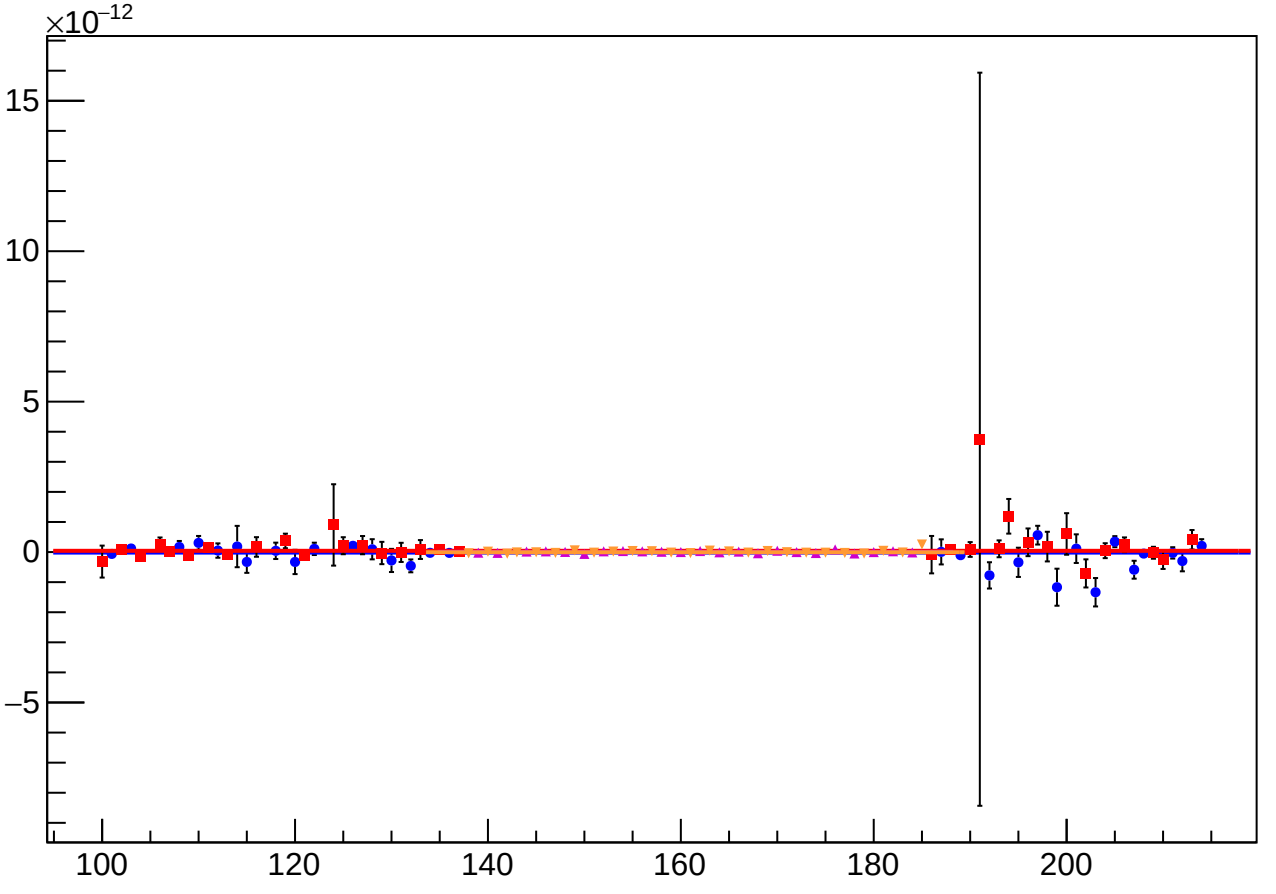
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2176.980+/-0.259 χ^2/NDF: 4443271.6/54

All: 2172.350+/-0.184 χ^2/NDF: 9012964.3/11

- sign 2167.655+/-0.261 χ^2/NDF: 4569047.8/56

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 42.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/33

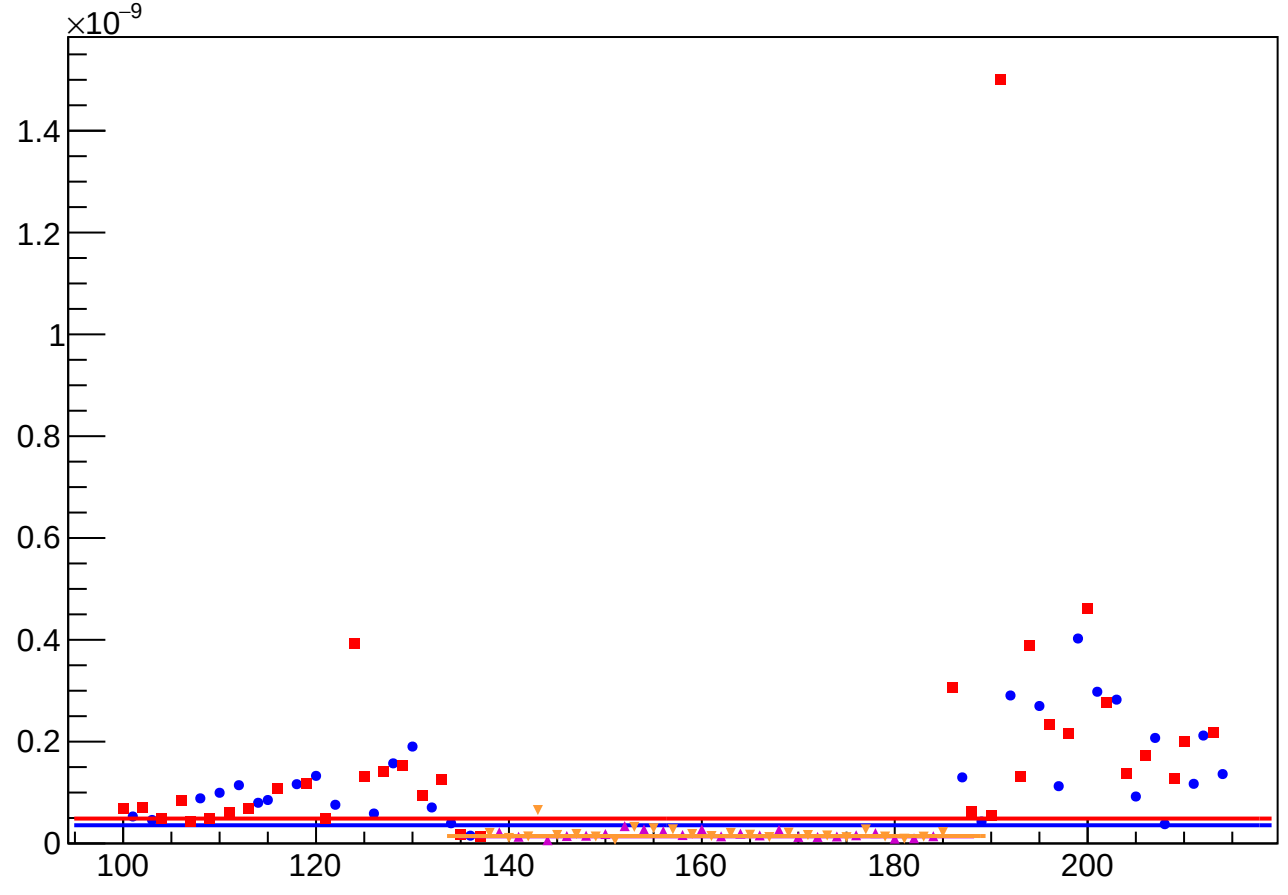
Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.7/54

All: 0.000+/-0.000 χ^2/NDF: 128.5/111

- sign 0.000+/-0.000 χ^2/NDF: 53.0/56

asym_at2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8412460.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940029.7/33

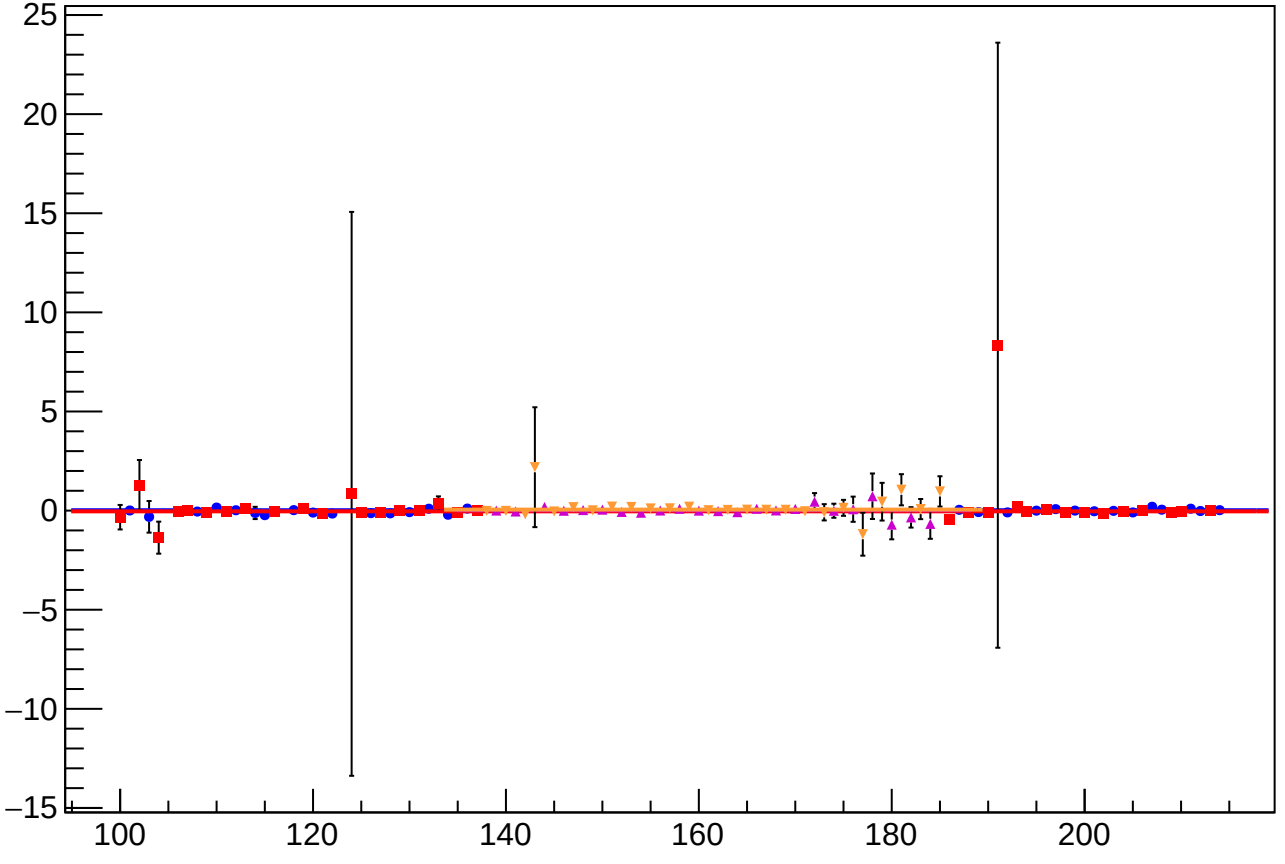
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12198597.3/54

All: 0.000+/-0.000 χ^2/NDF: 25504758.5/111

- sign 0.000+/-0.000 χ^2/NDF: 13298031.0/56

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.017 χ^2/NDF: 30.4/29

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.017 χ^2/NDF: 25.7/33

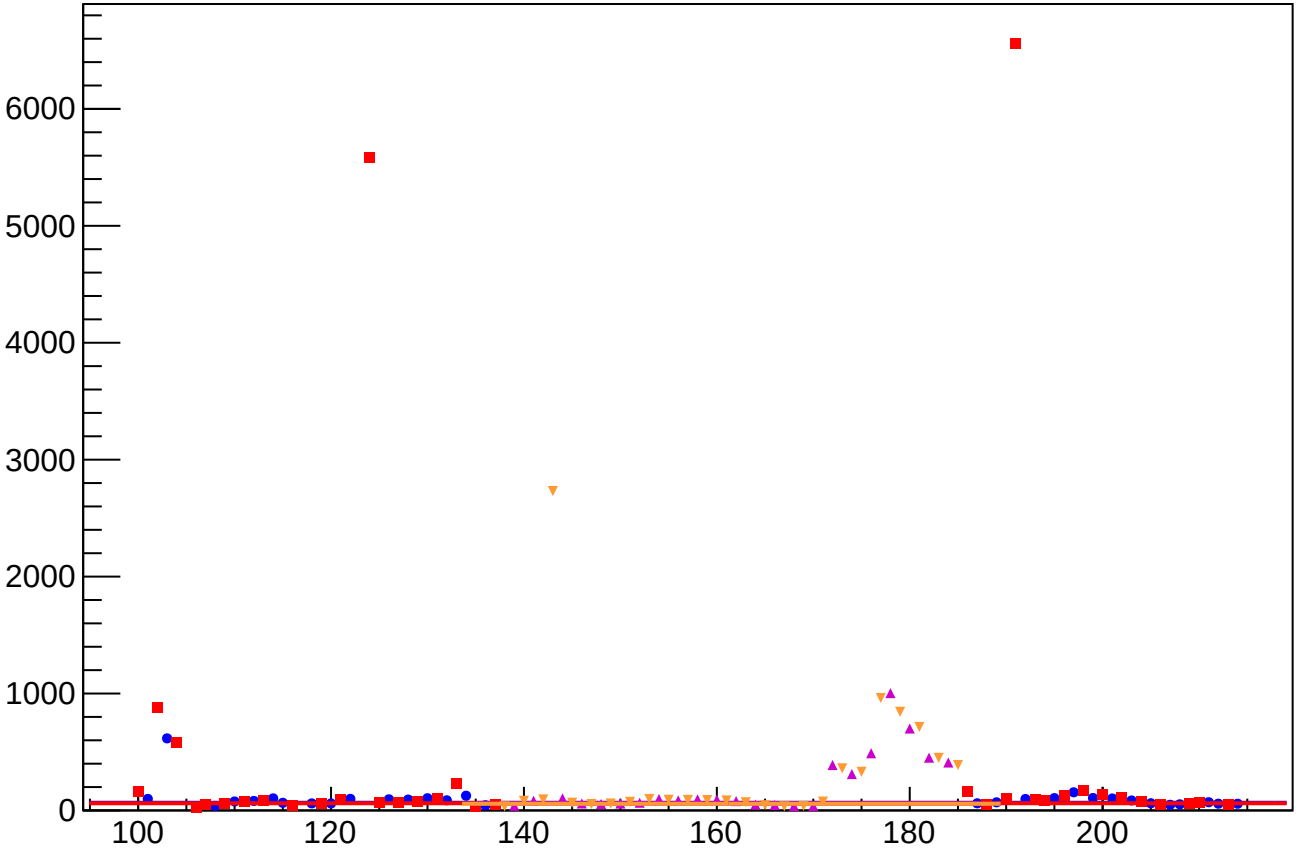
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.012 χ^2/NDF: 56.5/54

All: 0.012+/-0.009 χ^2/NDF: 109.7/111

- sign -0.009+/-0.012 χ^2/NDF: 46.6/56

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 65.713+/-0.012 χ^2/NDF: 4276026.9/29

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.526+/-0.012 χ^2/NDF: 7316154.0/33

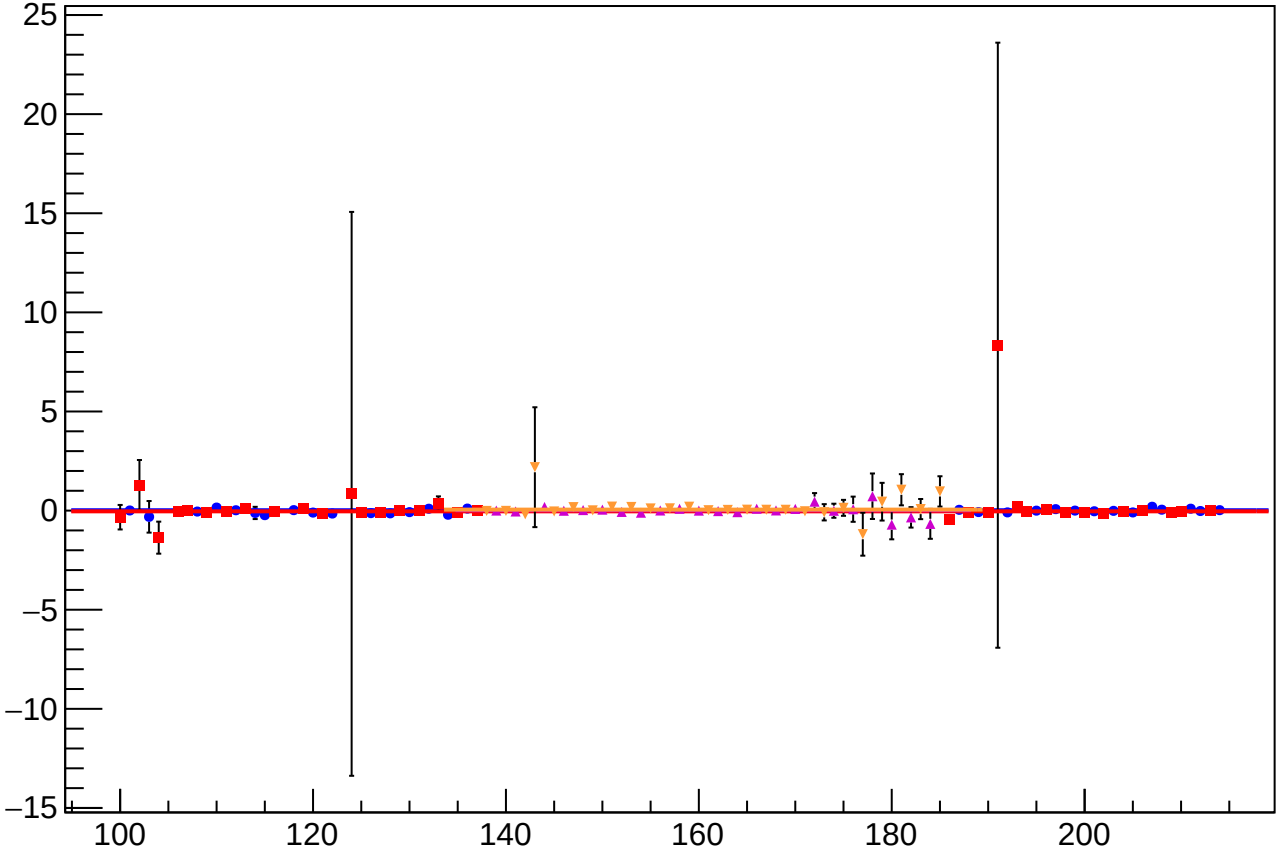
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.447+/-0.009 χ^2/NDF: 16842277.7/54

All: 60.758+/-0.006 χ^2/NDF: 34449080.8/111

- sign 60.078+/-0.008 χ^2/NDF: 17593886.0/56

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.017 χ^2/NDF: 30.4/29

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.017 χ^2/NDF: 25.7/33

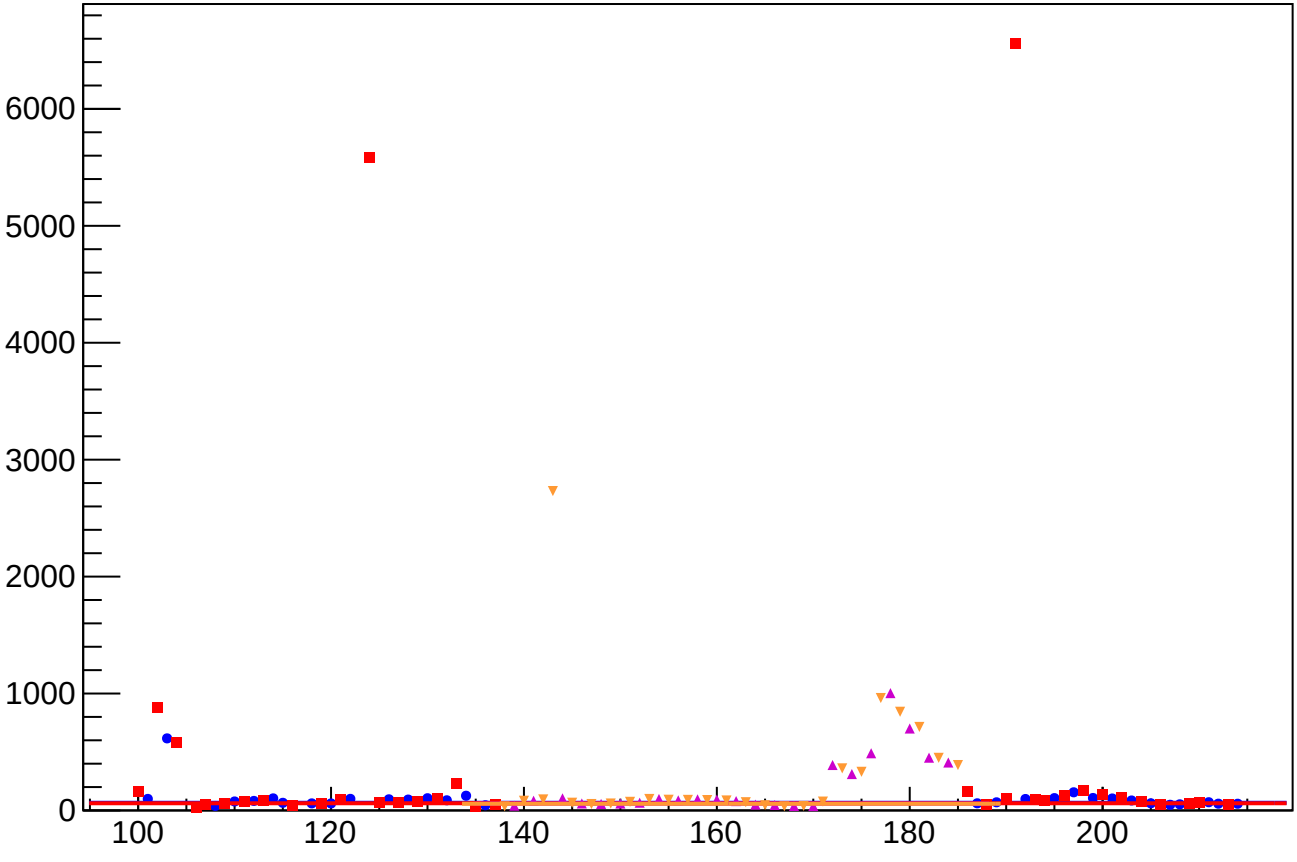
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.012 χ^2/NDF: 56.5/54

All: 0.012+/-0.009 χ^2/NDF: 109.7/111

- sign -0.009+/-0.012 χ^2/NDF: 46.6/56

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.713+/-0.012 χ^2/NDF: 4276026.9/29

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

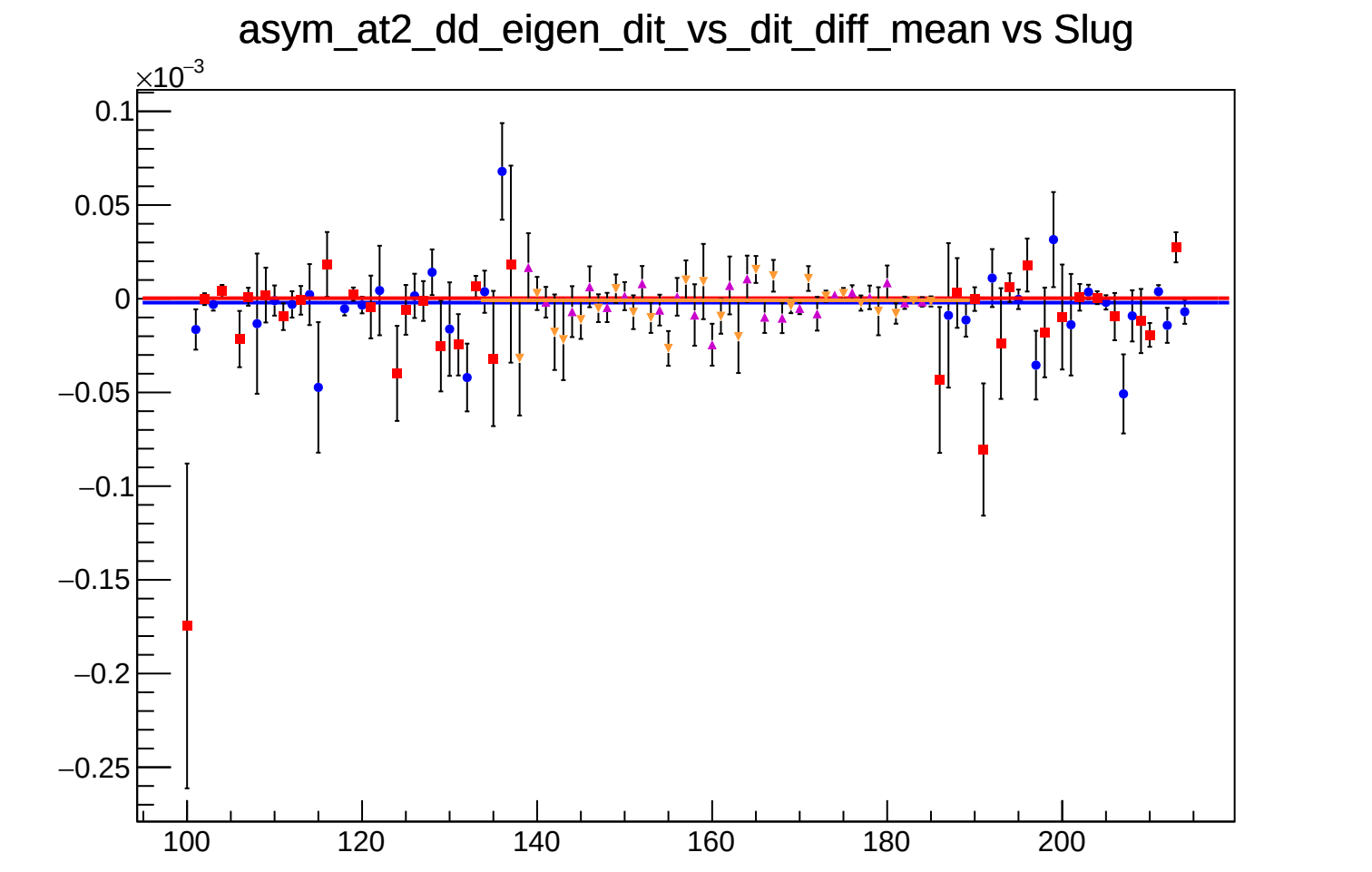
Right Out: 61.526+/-0.012 χ^2/NDF: 7316154.0/33

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 61.447+/-0.009 χ^2/NDF: 16842277.7/54

All: 60.758+/-0.006 χ^2/NDF: 34449080.8/111

- sign 60.078+/-0.008 χ^2/NDF: 17593886.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

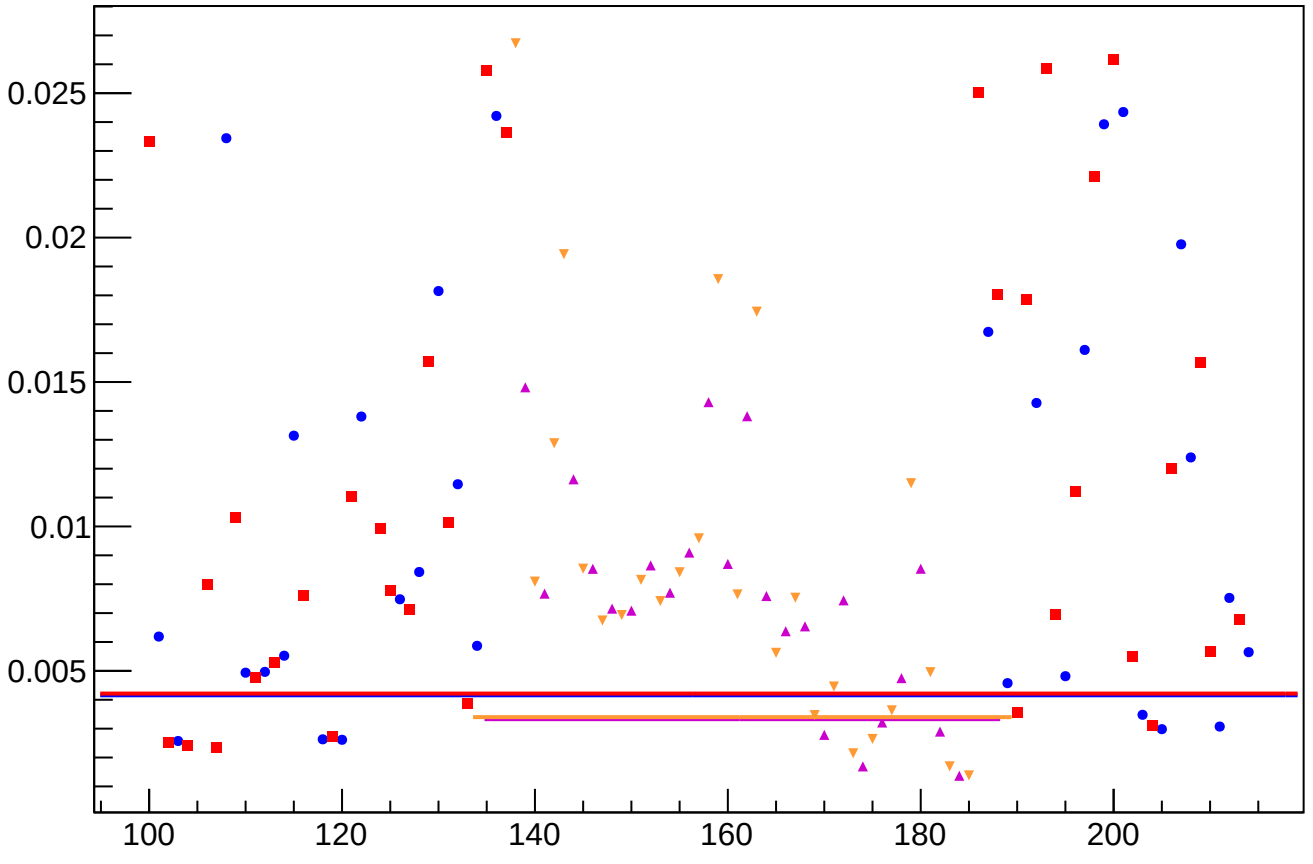
Right Out: 0.000+/-0.000 χ^2/NDF: 51.3/33

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

+ sign -0.000+/-0.000 χ^2/NDF: 72.9/54

All: -0.000+/-0.000 χ^2/NDF: 144.2/111

- sign -0.000+/-0.000 χ^2/NDF: 70.5/56



Right In: 0.004+/-0.000 χ^2/NDF: 11721367.6/29

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 13351656.8/33

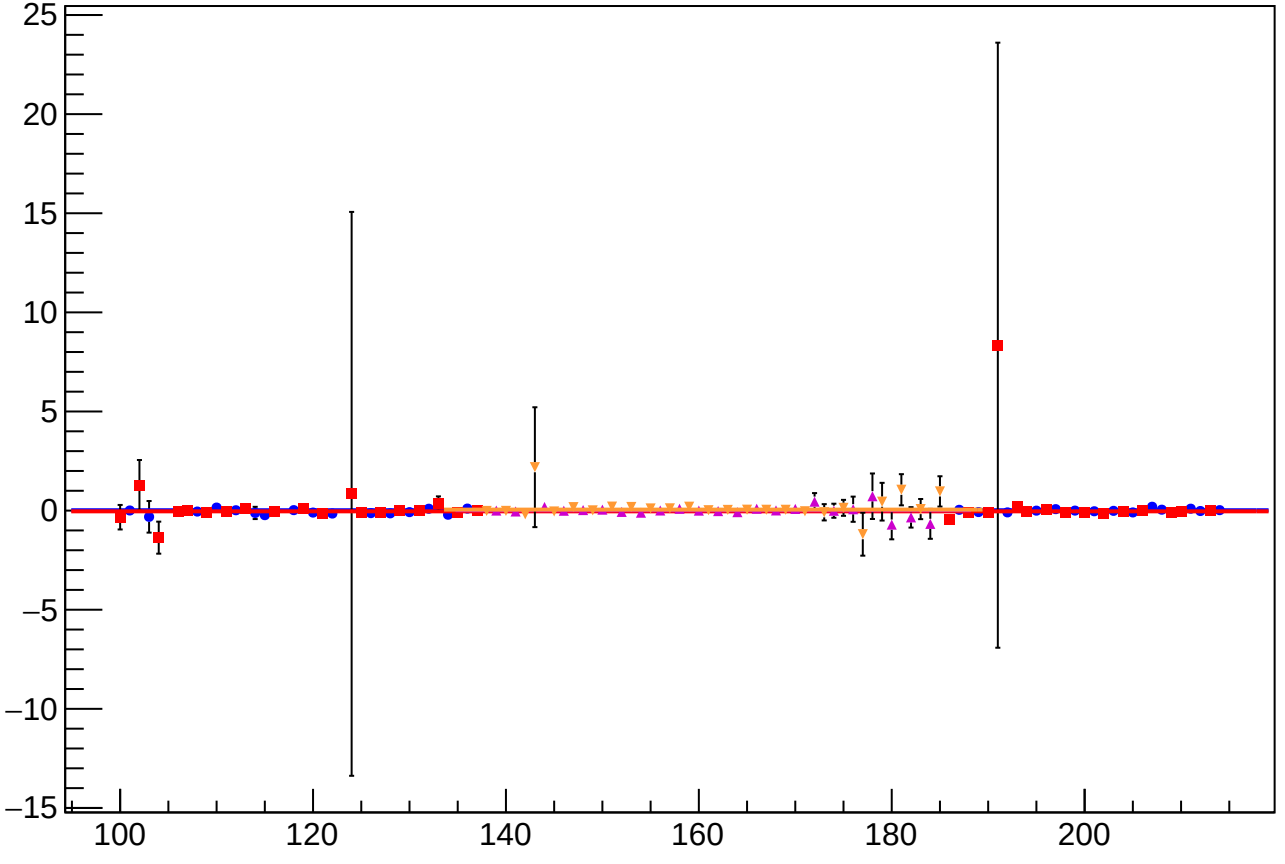
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 26401737.7/54

All: 0.004+/-0.000 χ^2/NDF: 52906245.3/111

- sign 0.004+/-0.000 χ^2/NDF: 26504413.3/56

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.017 χ^2/NDF: 30.4/29

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.017 χ^2/NDF: 25.7/33

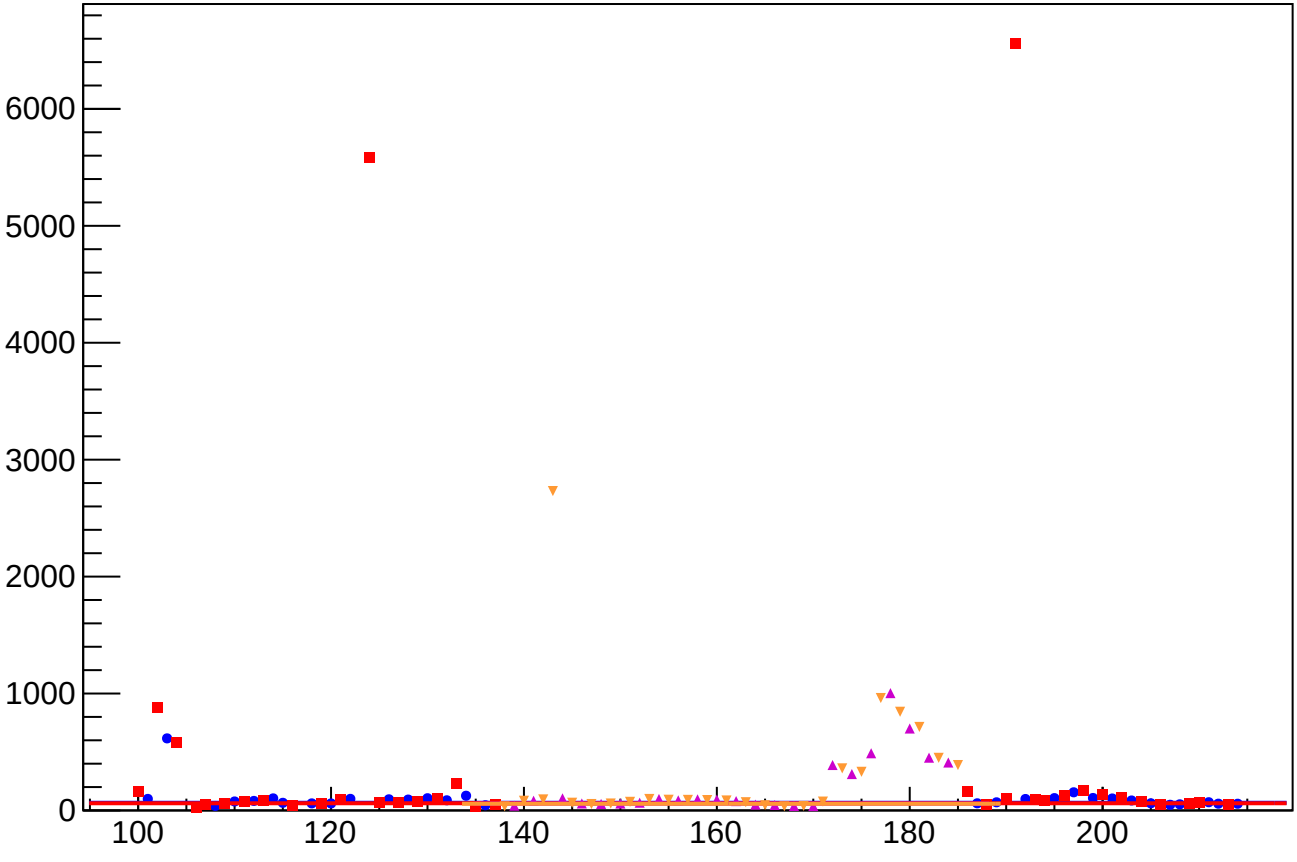
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.012 χ^2/NDF: 56.5/54

All: 0.012+/-0.009 χ^2/NDF: 109.7/111

- sign -0.009+/-0.012 χ^2/NDF: 46.6/56

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.716+/-0.012 χ^2/NDF: 4275131.0/29

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

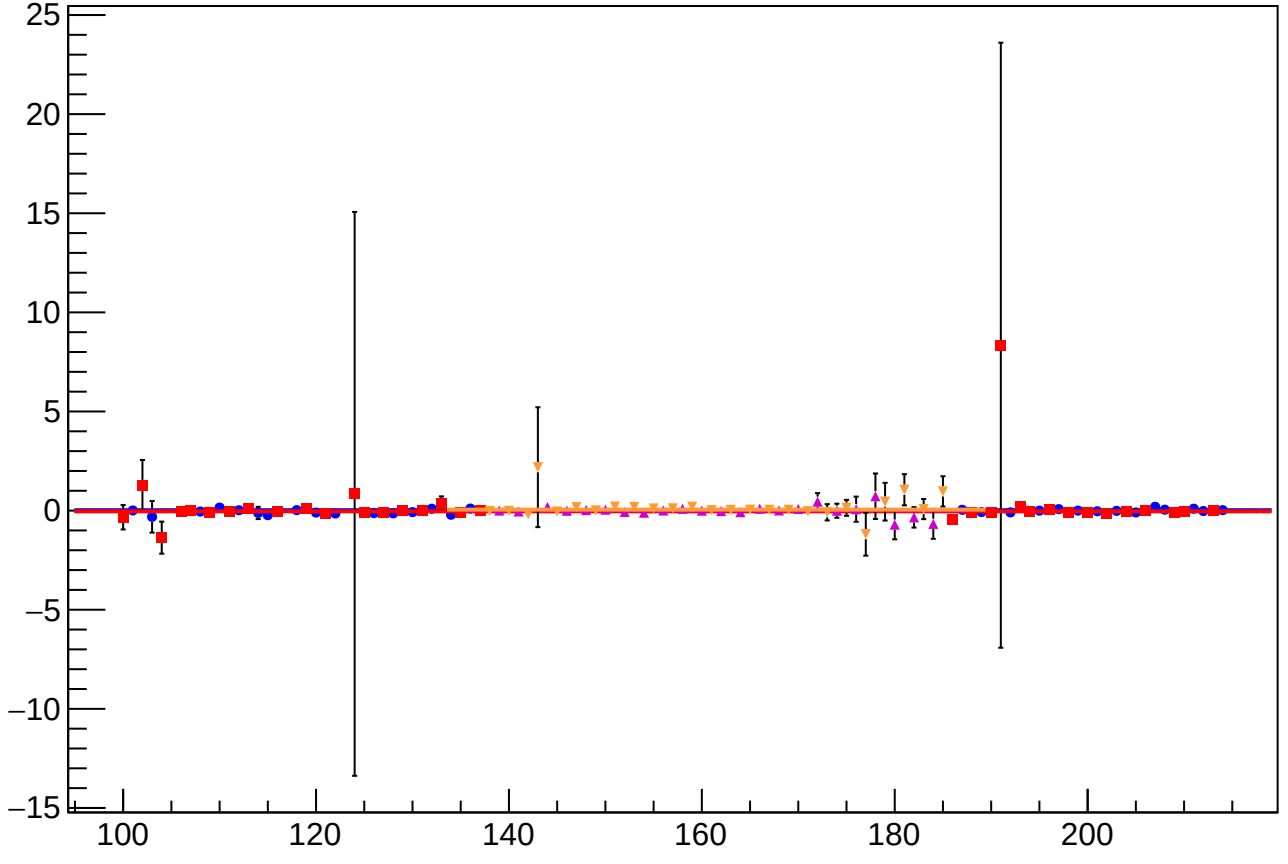
Right Out: 61.523+/-0.012 χ^2/NDF: 7317057.0/33

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.448+/-0.009 χ^2/NDF: 16841344.7/54

All: 60.758+/-0.006 χ^2/NDF: 34448455.2/111

- sign 60.077+/-0.008 χ^2/NDF: 17594179.7/56



Right In: 0.019+/-0.017 χ^2/NDF: 30.4/29

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.017 χ^2/NDF: 25.7/33

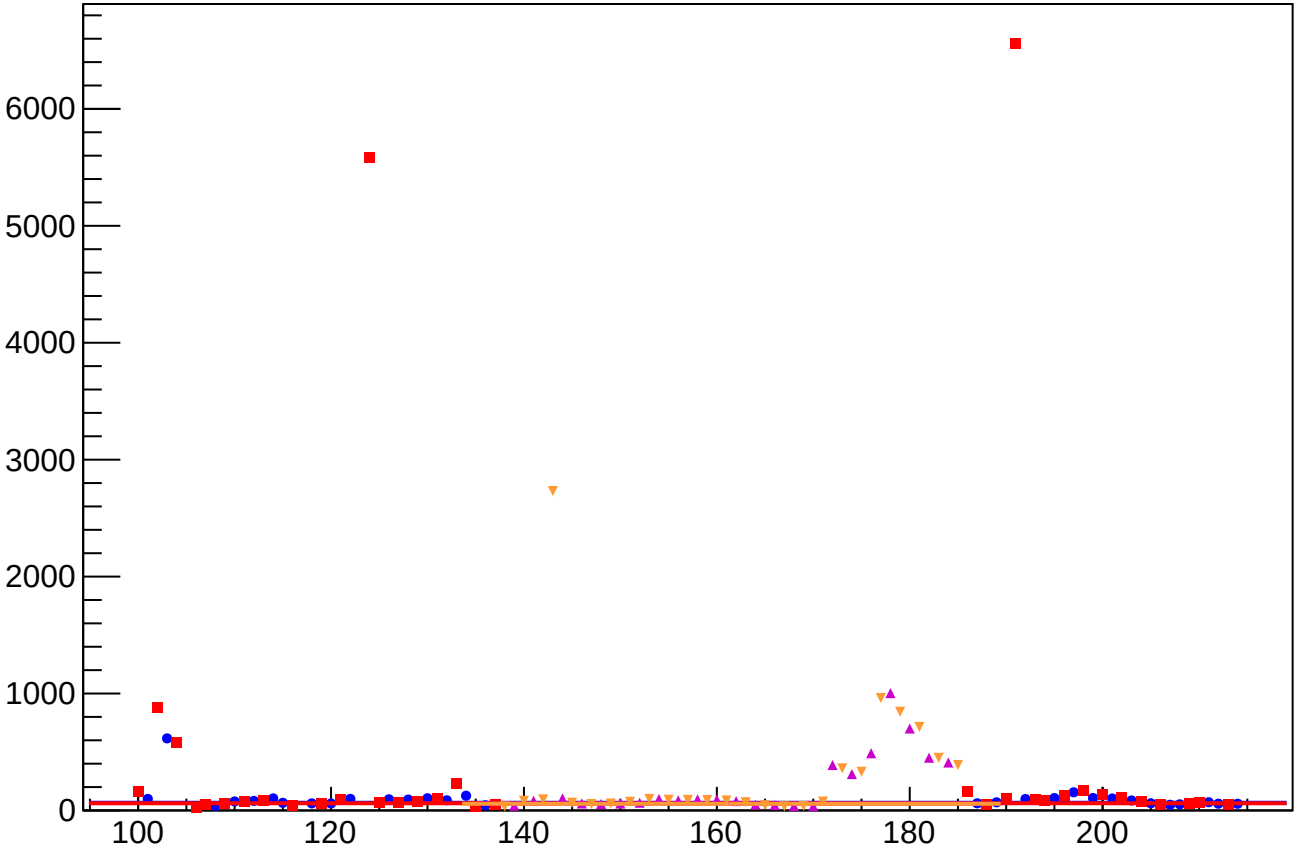
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.035+/-0.012 χ^2/NDF: 56.5/54

All: 0.012+/-0.009 χ^2/NDF: 109.7/111

- sign -0.009+/-0.012 χ^2/NDF: 46.6/56

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.716+/-0.012 χ^2/NDF: 4275131.0/29

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.523+/-0.012 χ^2/NDF: 7317057.0/33

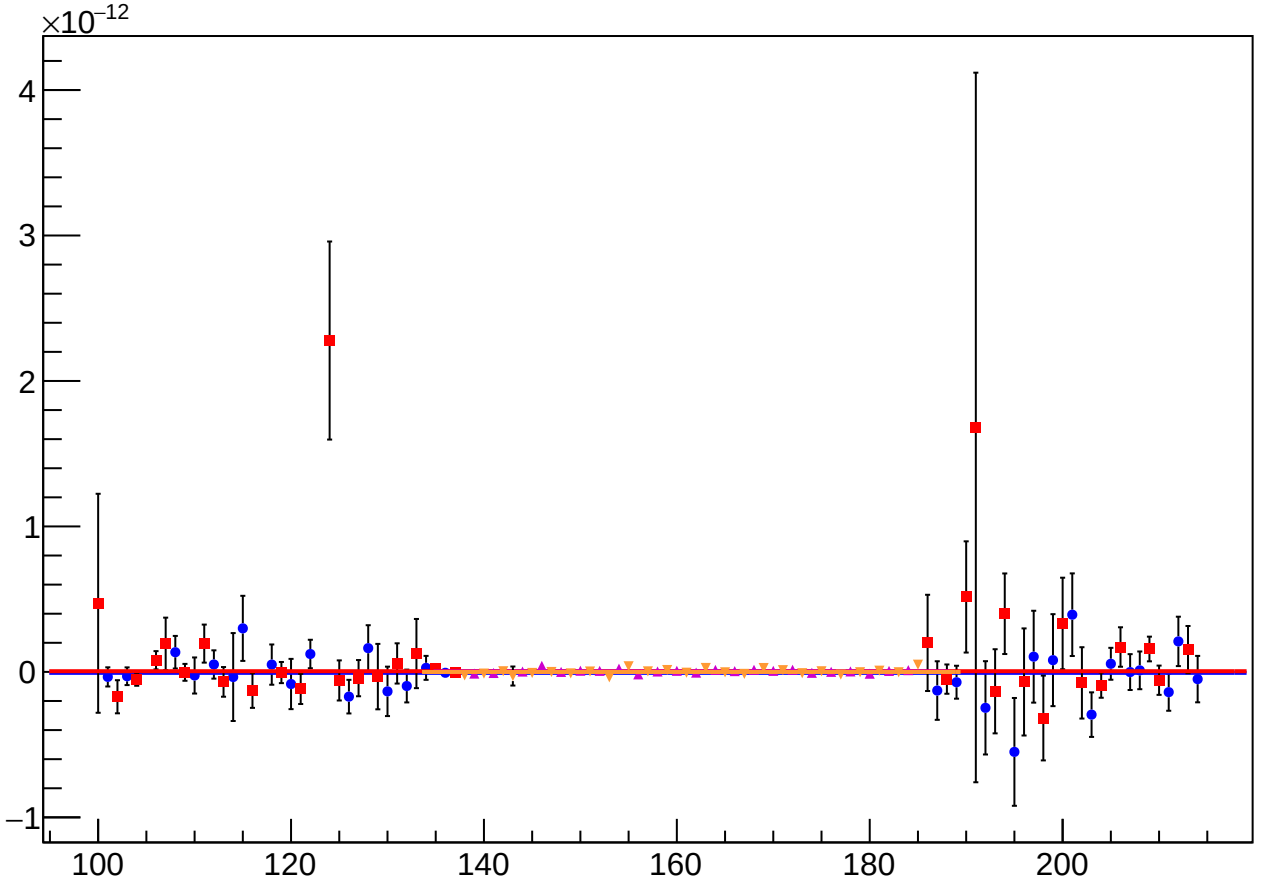
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 61.448+/-0.009 χ^2/NDF: 16841344.7/54

All: 60.758+/-0.006 χ^2/NDF: 34448455.2/111

- sign 60.077+/-0.008 χ^2/NDF: 17594179.7/56

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

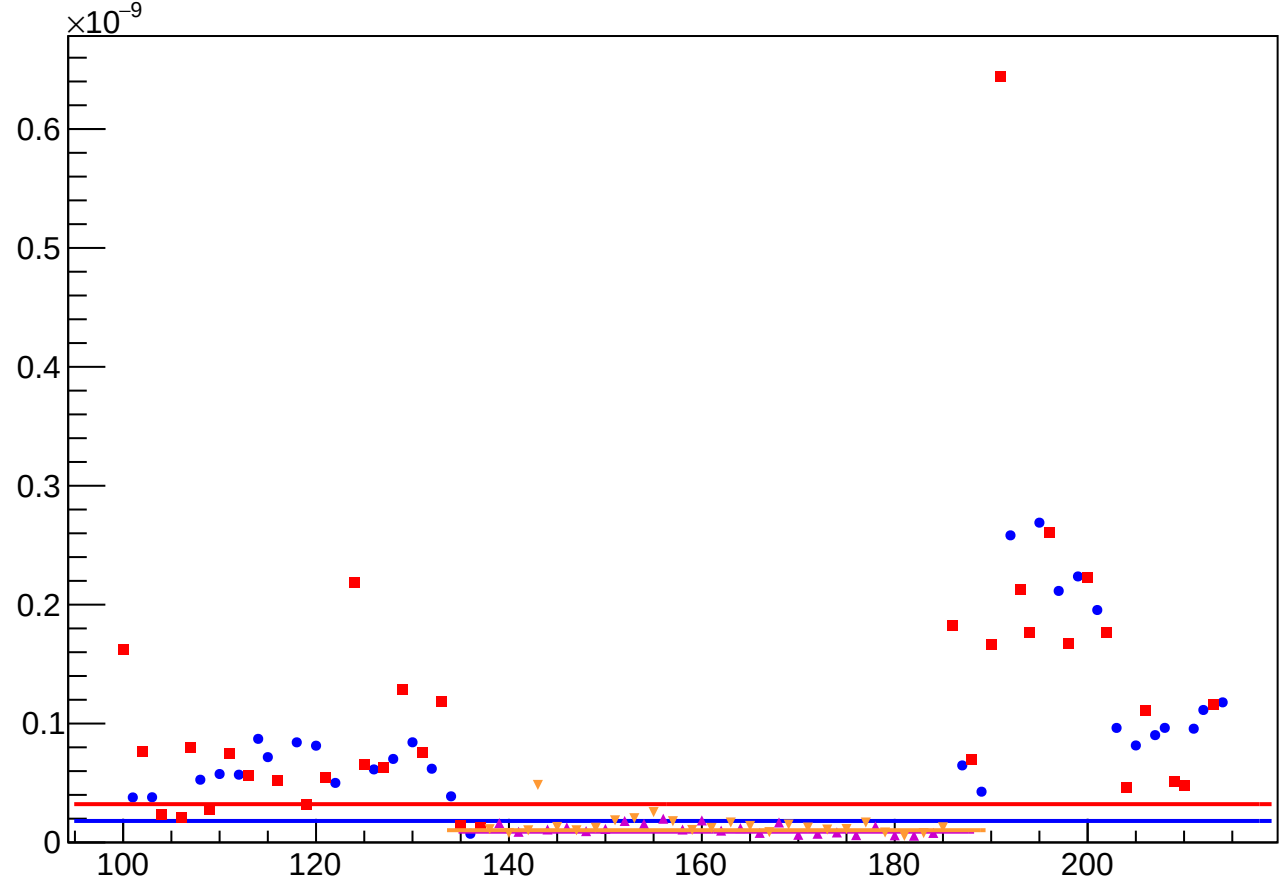
Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/33

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/54

All: 0.000+/-0.000 χ^2/NDF: 98.6/111

- sign 0.000+/-0.000 χ^2/NDF: 55.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 14735472.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10453385.6/33

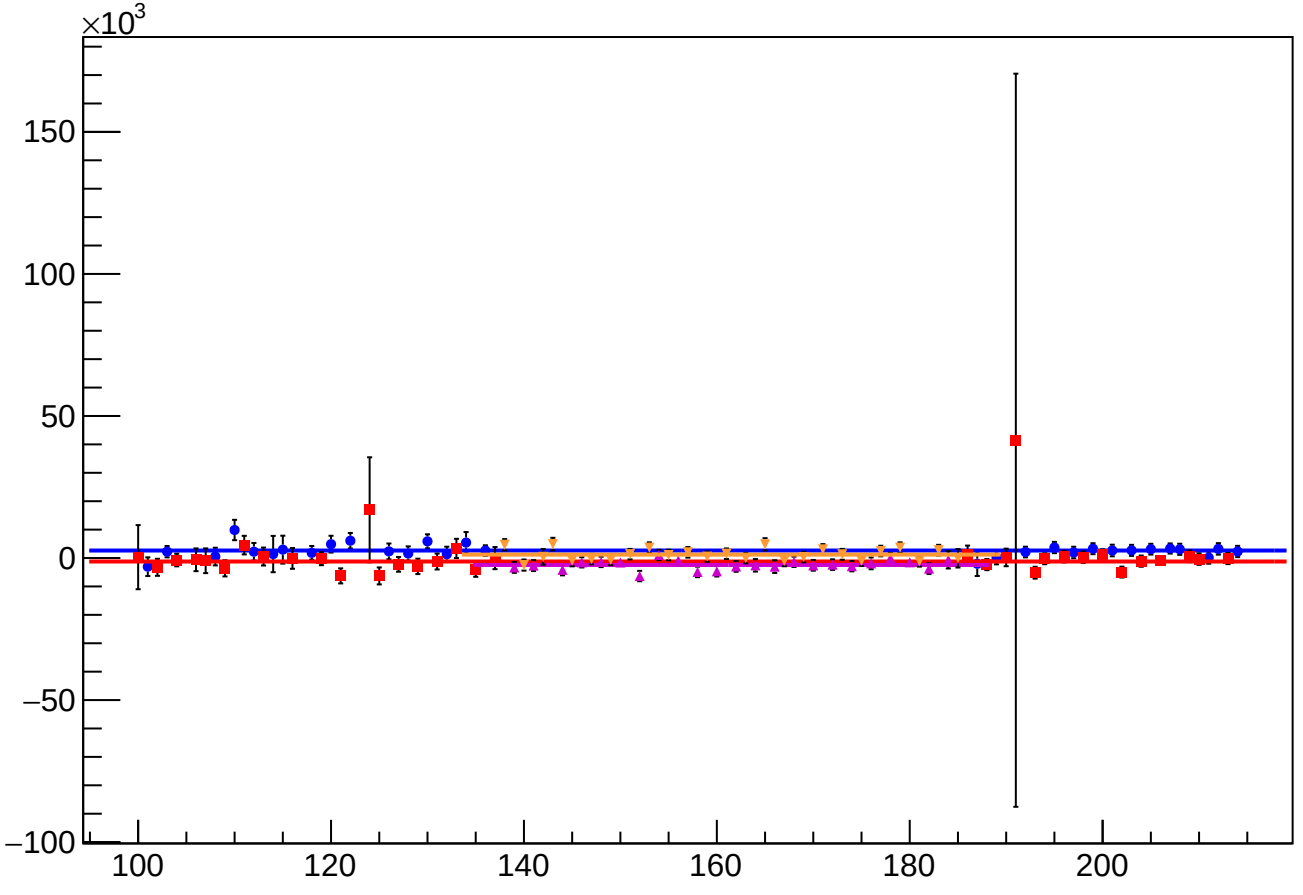
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19486745.2/54

All: 0.000+/-0.000 χ^2/NDF: 38347163.5/111

- sign 0.000+/-0.000 χ^2/NDF: 18730378.3/56

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2641.614+/-429.712 χ^2/NDF: 17.2/29

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1225.494+/-432.257 χ^2/NDF: 29.2/33

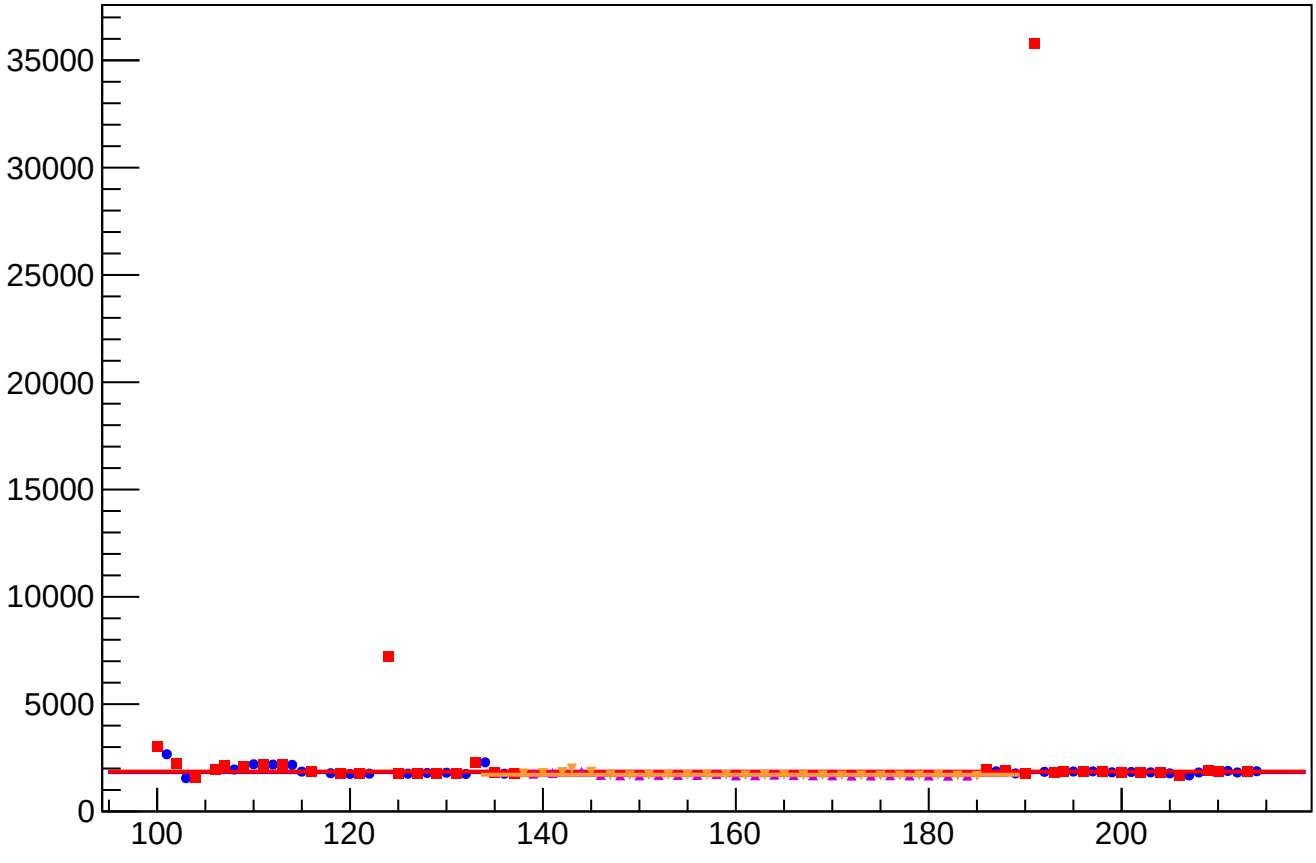
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1850.867+/-288.442 χ^2/NDF: 49.6/54

All: 12.147+/-205.475 χ^2/NDF: 183.1/111

- sign -1882.283+/-292.779 χ^2/NDF: 51.0/56

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1833.160+/-0.304 χ^2/NDF: 286914.3/29

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.447+/-0.305 χ^2/NDF: 543246.1/33

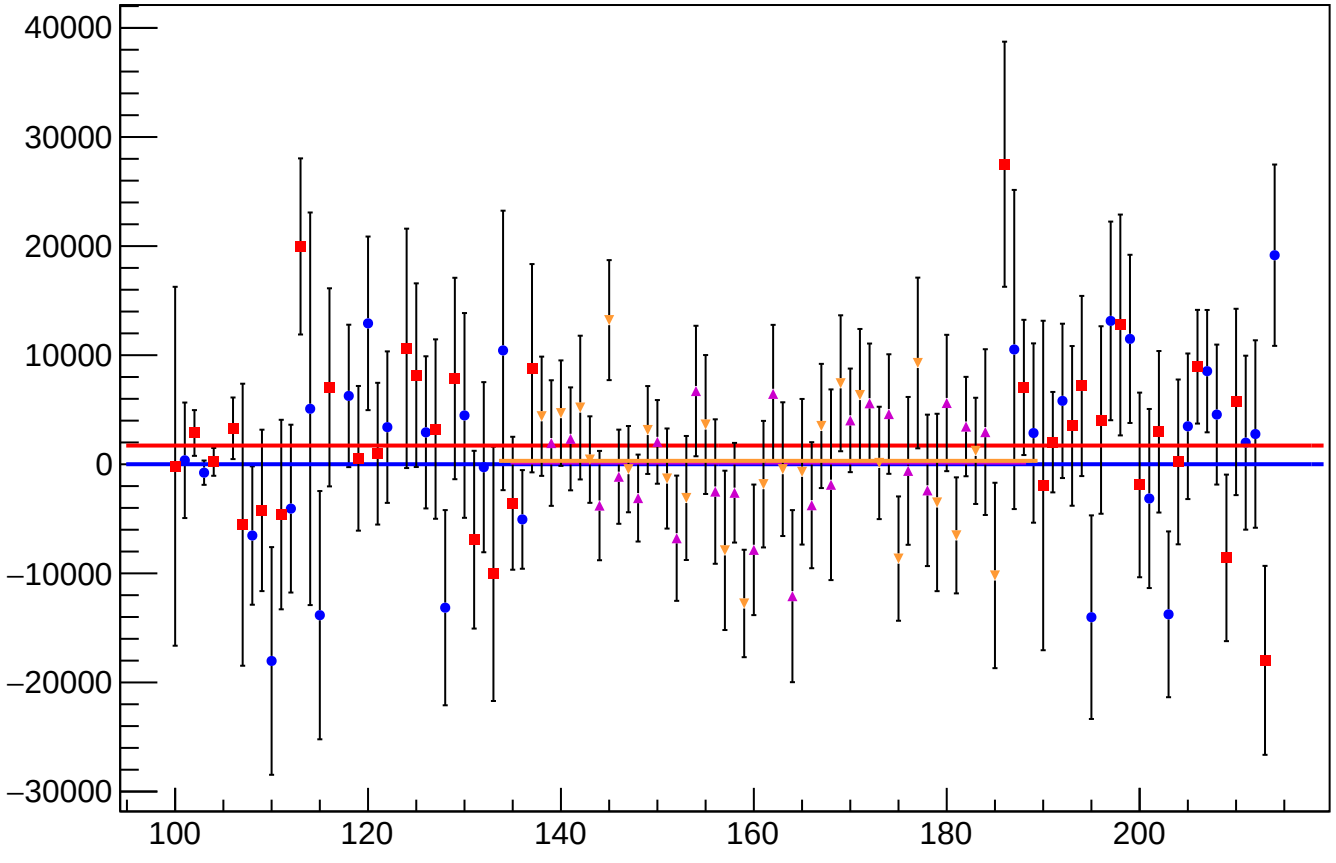
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1766.468+/-0.204 χ^2/NDF: 434664.6/54

All: 1770.173+/-0.145 χ^2/NDF: 1135967.5/11

- sign 1773.987+/-0.207 χ^2/NDF: 700633.4/56

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 4.496+/-872.776 χ^2/NDF: 34.5/29

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1716.331+/-826.215 χ^2/NDF: 31.4/33

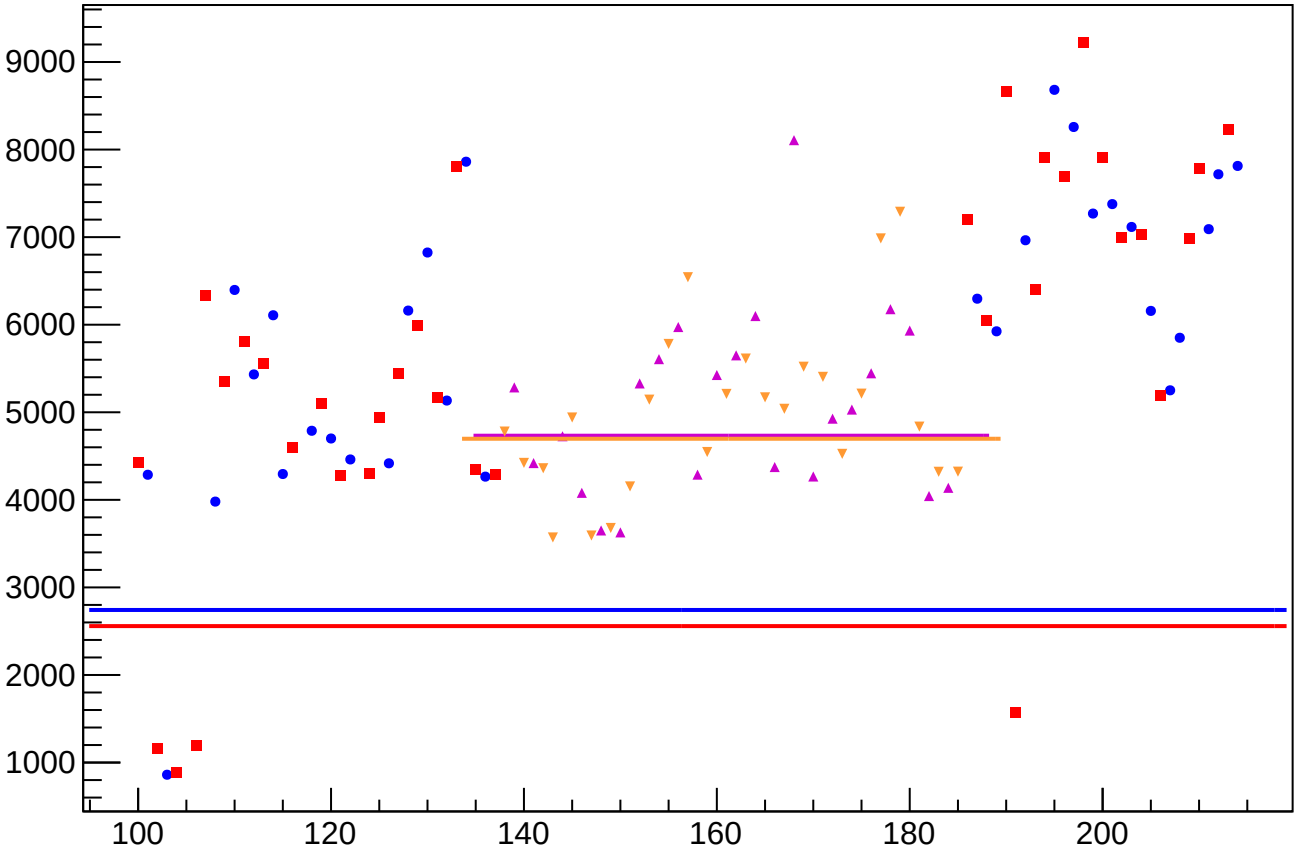
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign 125.162+/-681.769 χ^2/NDF: 61.6/54

All: 660.574+/-476.642 χ^2/NDF: 110.1/111

\- sign 1172.477+/-666.633 χ^2/NDF: 47.3/56

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2742.353+/-0.617 χ^2/NDF: 16572701.7/29

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2558.188+/-0.584 χ^2/NDF: 17307879.5/33

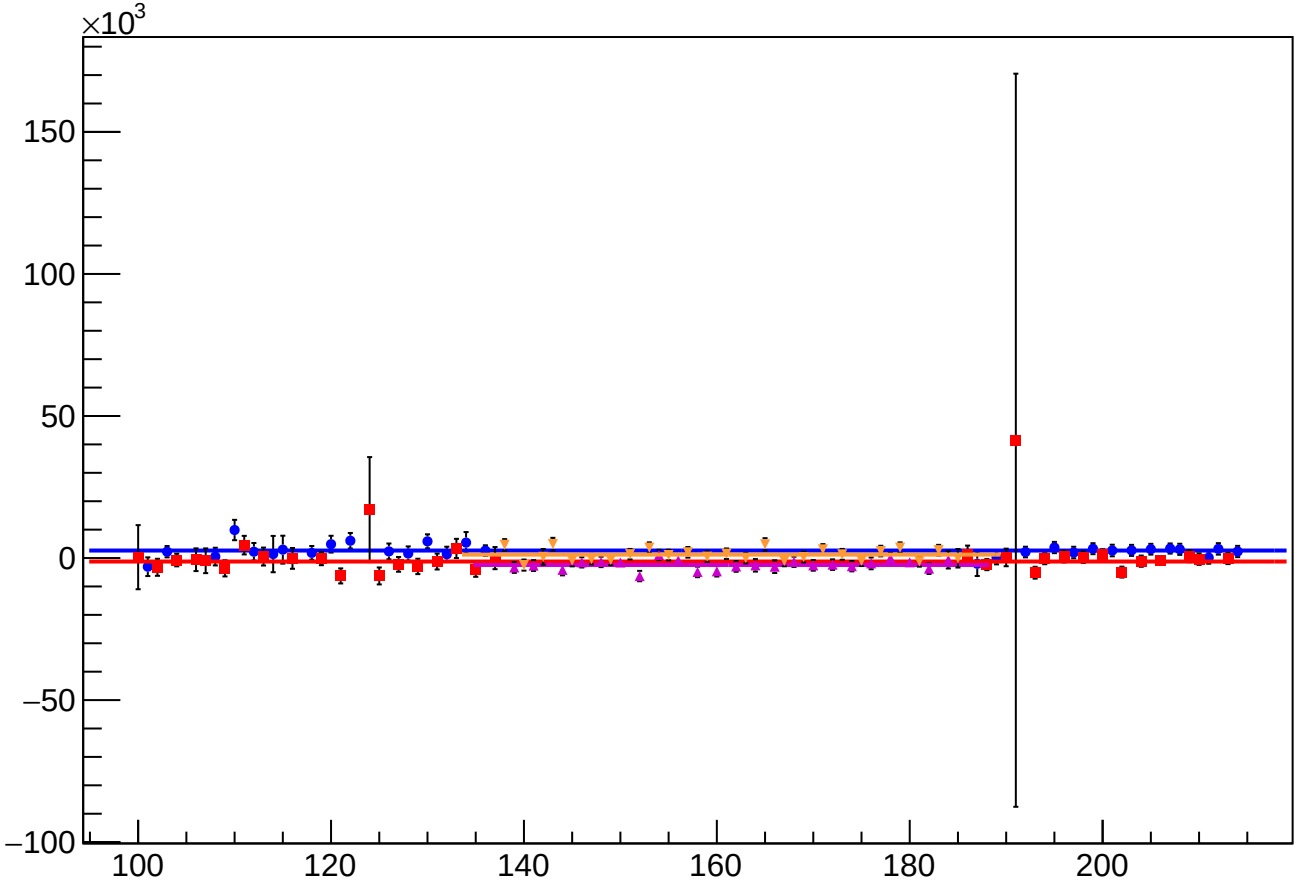
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3504.528+/-0.482 χ^2/NDF: 21724851.0/54

All: 3408.647+/-0.337 χ^2/NDF: 45186505.5/1

- sign 3316.976+/-0.471 χ^2/NDF: 23384277.6/56

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2641.757+/-429.712 χ^2/NDF: 17.2/29

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1225.053+/-432.257 χ^2/NDF: 29.2/33

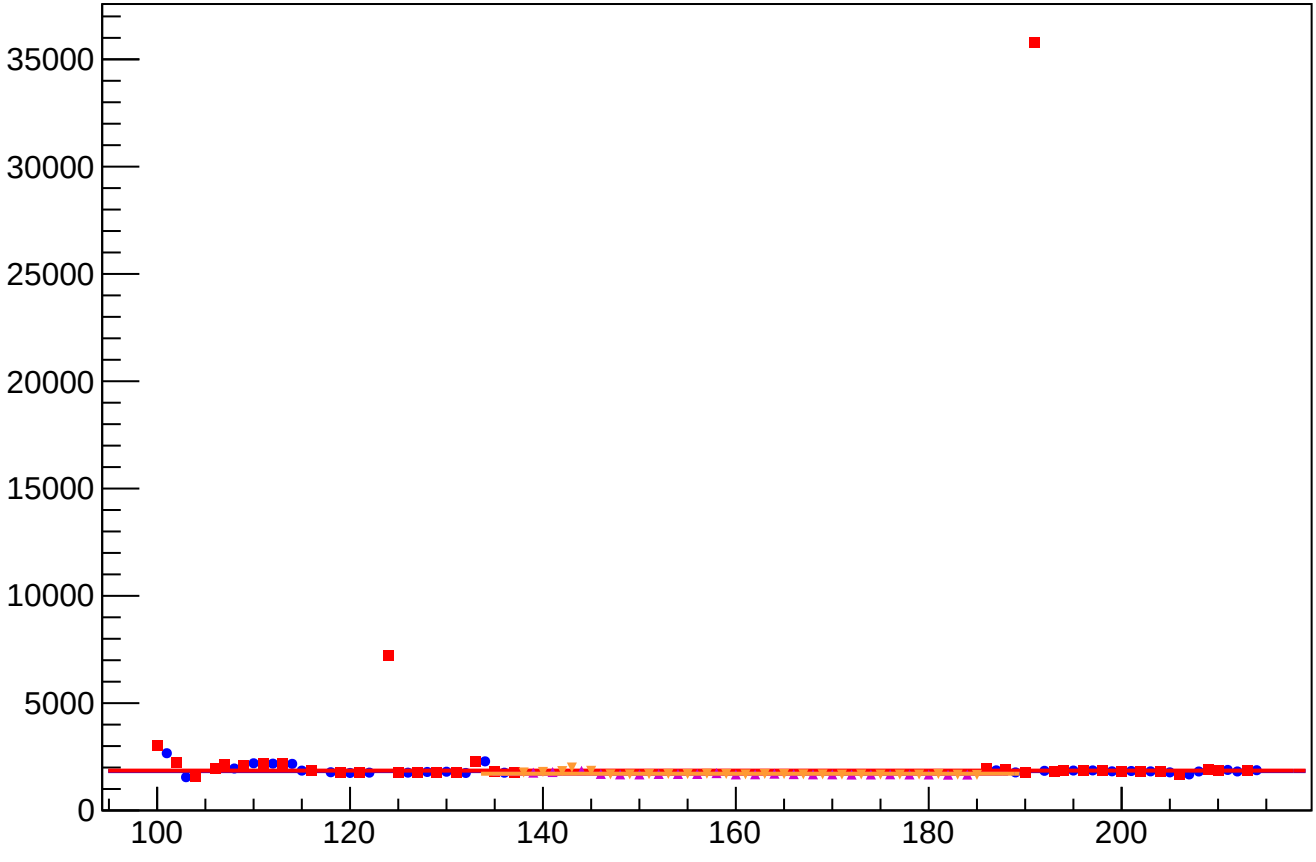
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1850.878+/-288.442 χ^2/NDF: 49.6/54

All: 12.270+/-205.475 χ^2/NDF: 183.1/111

- sign -1882.044+/-292.779 χ^2/NDF: 51.0/56

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.160+/-0.304 χ^2/NDF: 286914.2/29

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.613+/-0.305 χ^2/NDF: 543615.0/33

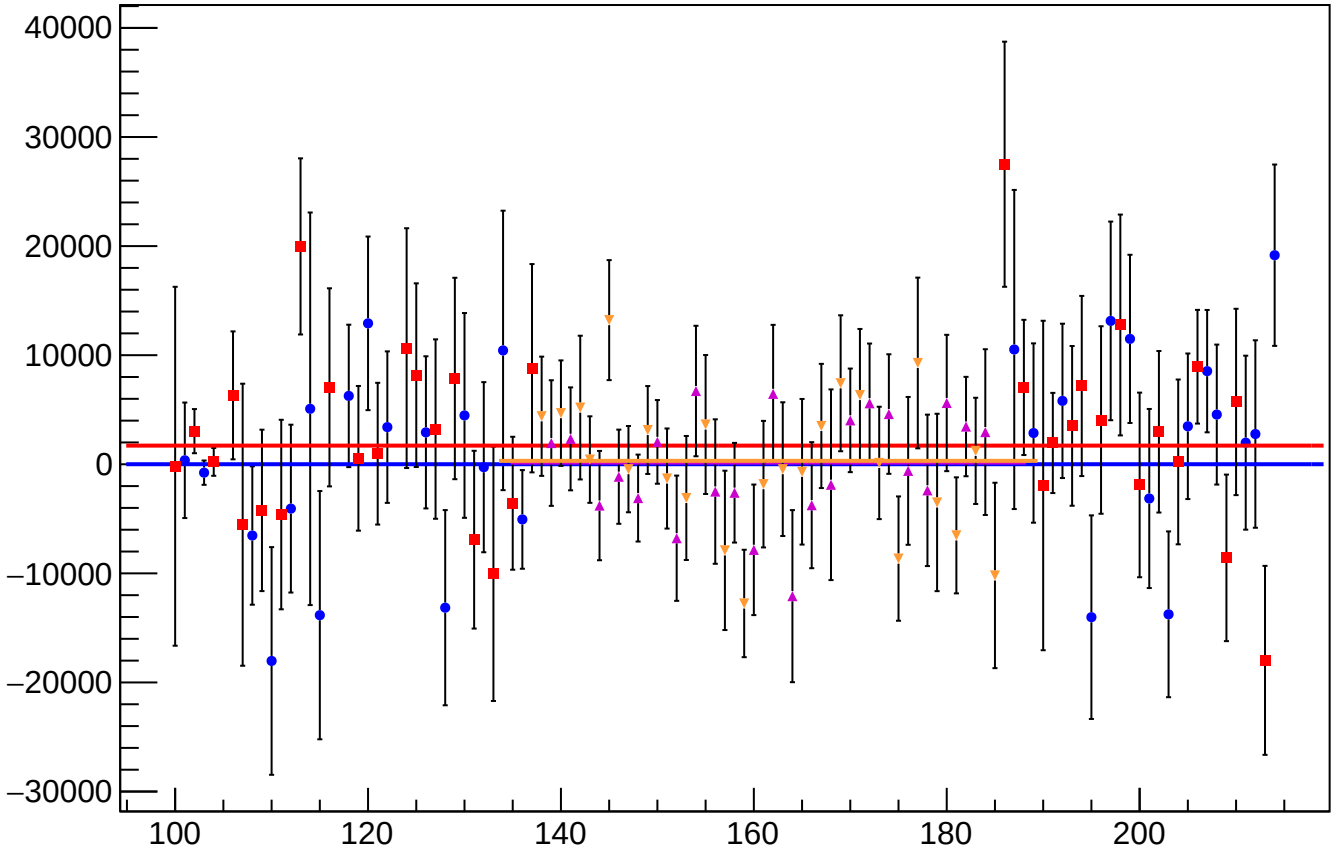
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1766.468+/-0.204 χ^2/NDF: 434664.4/54

All: 1770.208+/-0.145 χ^2/NDF: 1136629.9/11

- sign 1774.057+/-0.207 χ^2/NDF: 701283.4/56

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 4.839+/-872.737 χ^2/NDF: 34.5/29

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1709.994+/-849.570 χ^2/NDF: 31.8/33

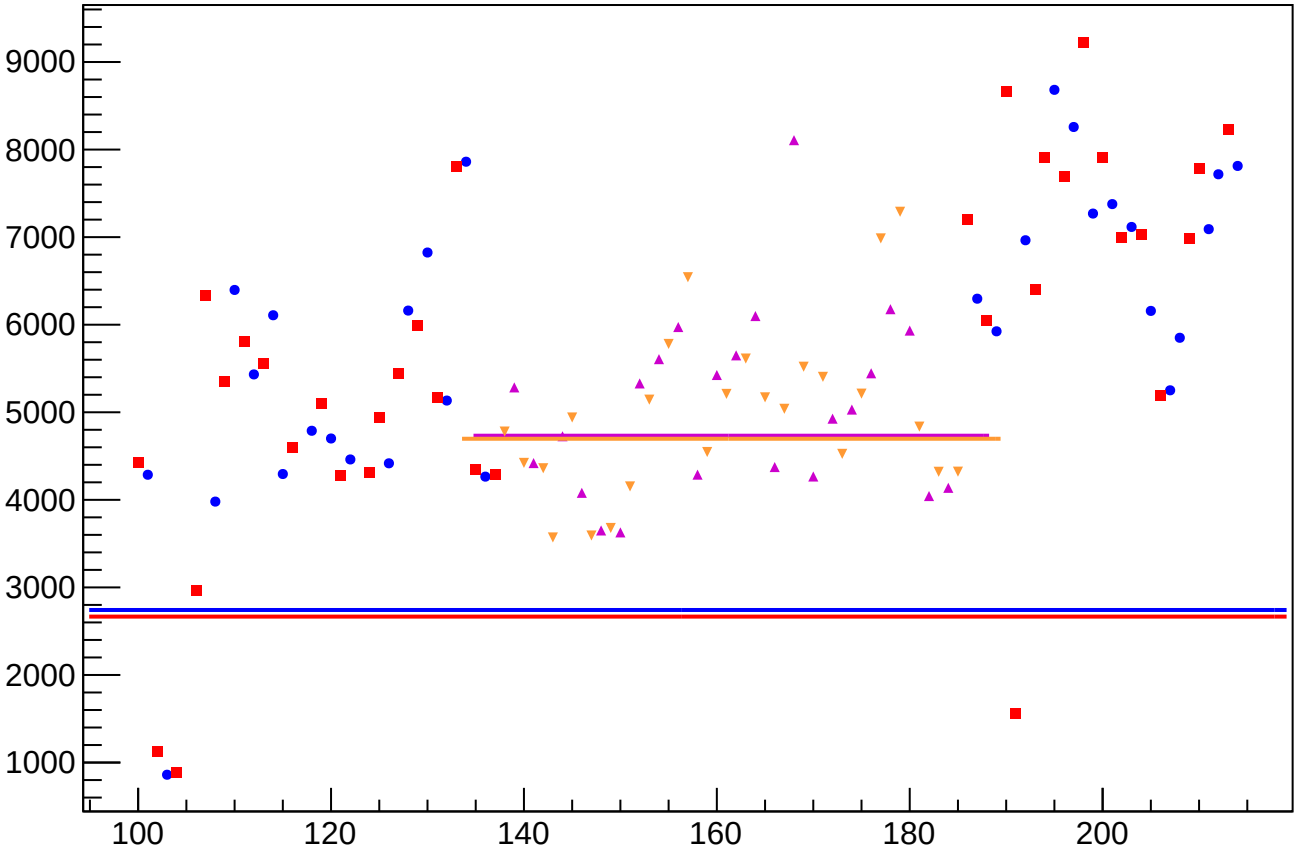
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign 125.378+/-681.750 χ^2/NDF: 61.6/54

All: 639.234+/-480.995 χ^2/NDF: 110.4/111

\- sign 1148.534+/-678.720 χ^2/NDF: 47.7/56

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2742.147+/-0.617 χ^2/NDF: 16573881.0/29

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2666.595+/-0.601 χ^2/NDF: 16936105.6/33

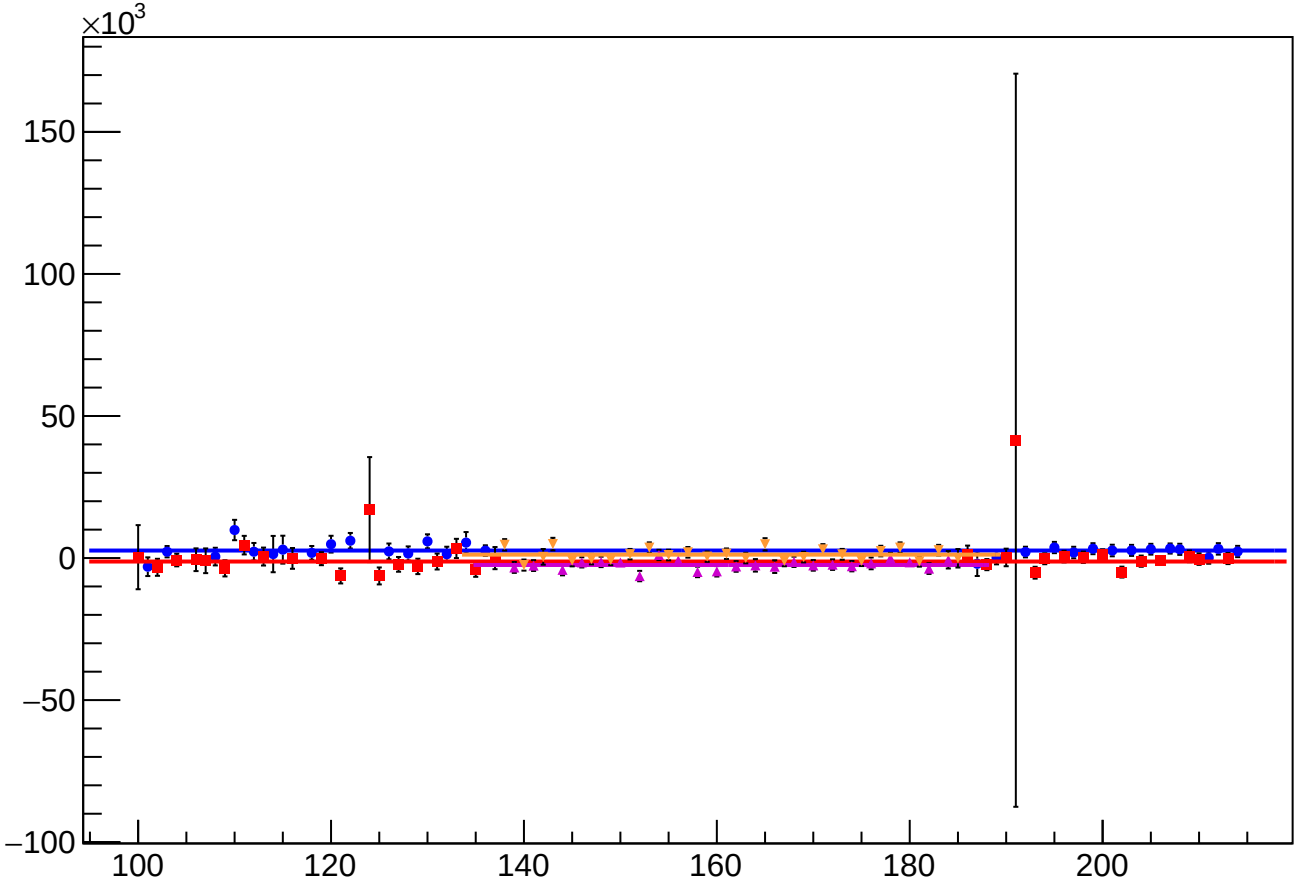
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3504.359+/-0.482 χ^2/NDF: 21726994.1/54

All: 3458.944+/-0.340 χ^2/NDF: 44201587.6/1

- sign 3413.931+/-0.480 χ^2/NDF: 22456921.4/56

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2641.757+/-429.712 χ^2/NDF: 17.2/29

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1225.053+/-432.257 χ^2/NDF: 29.2/33

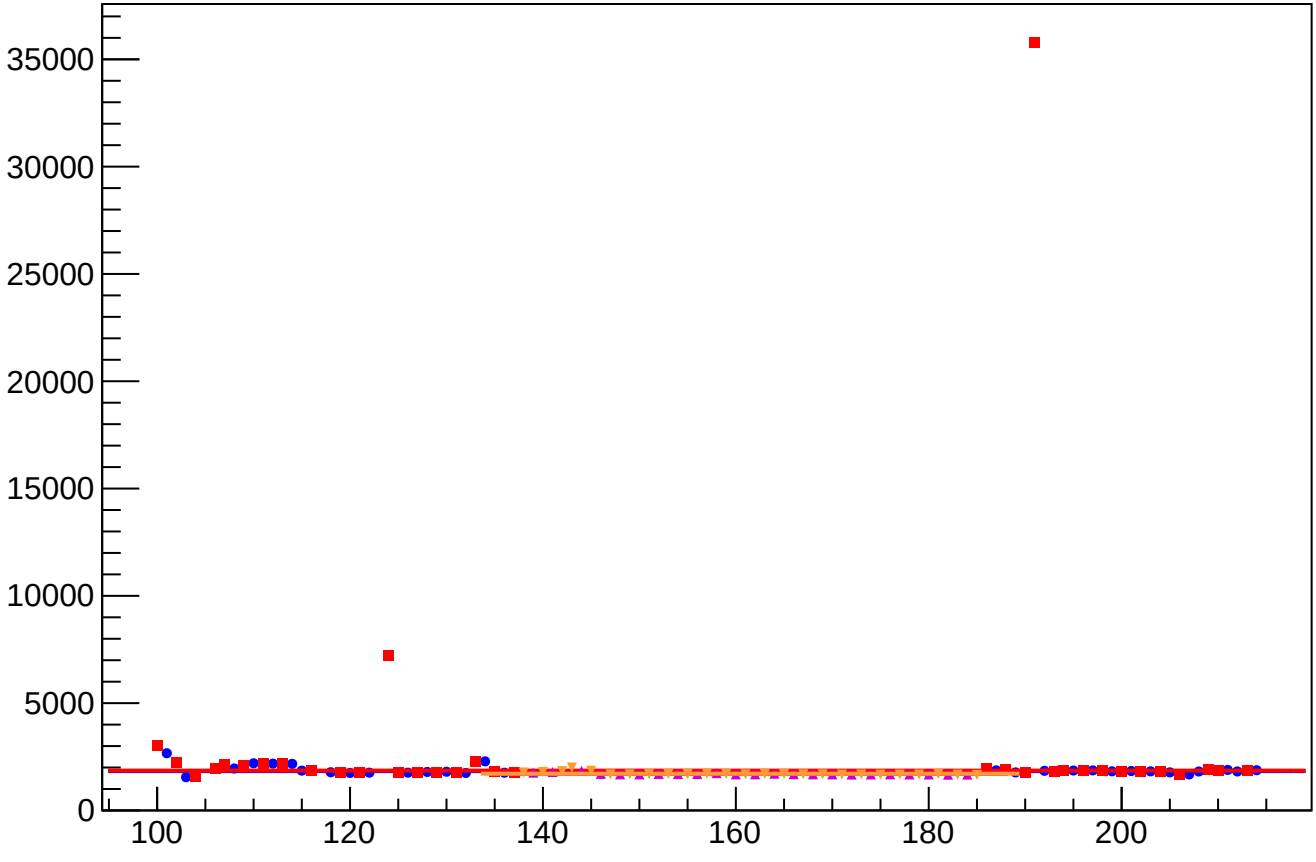
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1850.878+/-288.442 χ^2/NDF: 49.6/54

All: 12.270+/-205.475 χ^2/NDF: 183.1/111

- sign -1882.044+/-292.779 χ^2/NDF: 51.0/56

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.160+/-0.304 χ^2/NDF: 286914.2/29

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.613+/-0.305 χ^2/NDF: 543615.0/33

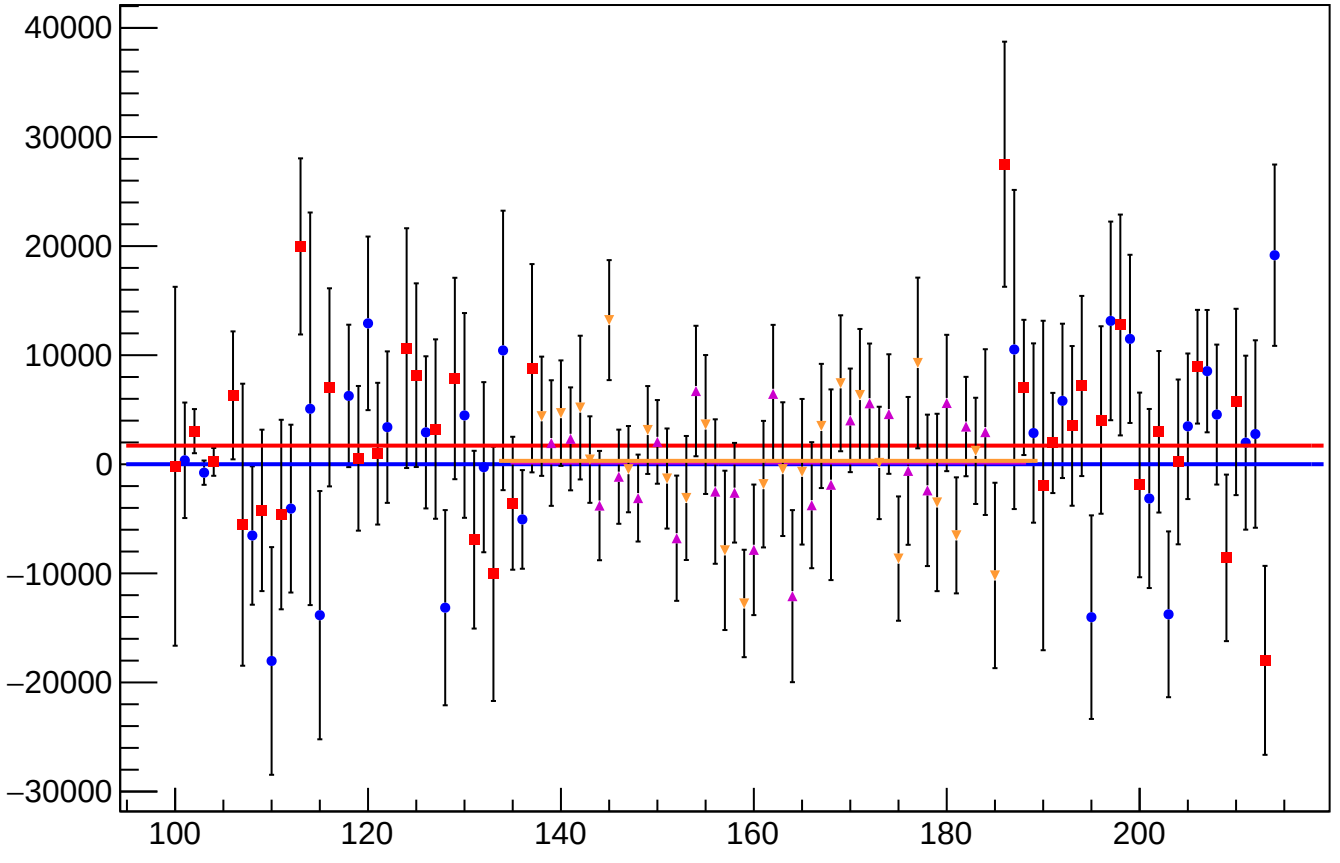
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1766.468+/-0.204 χ^2/NDF: 434664.4/54

All: 1770.208+/-0.145 χ^2/NDF: 1136629.9/11

- sign 1774.057+/-0.207 χ^2/NDF: 701283.4/56

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug



Right In: 4.839+/-872.737 χ^2/NDF: 34.5/29

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1709.994+/-849.570 χ^2/NDF: 31.8/33

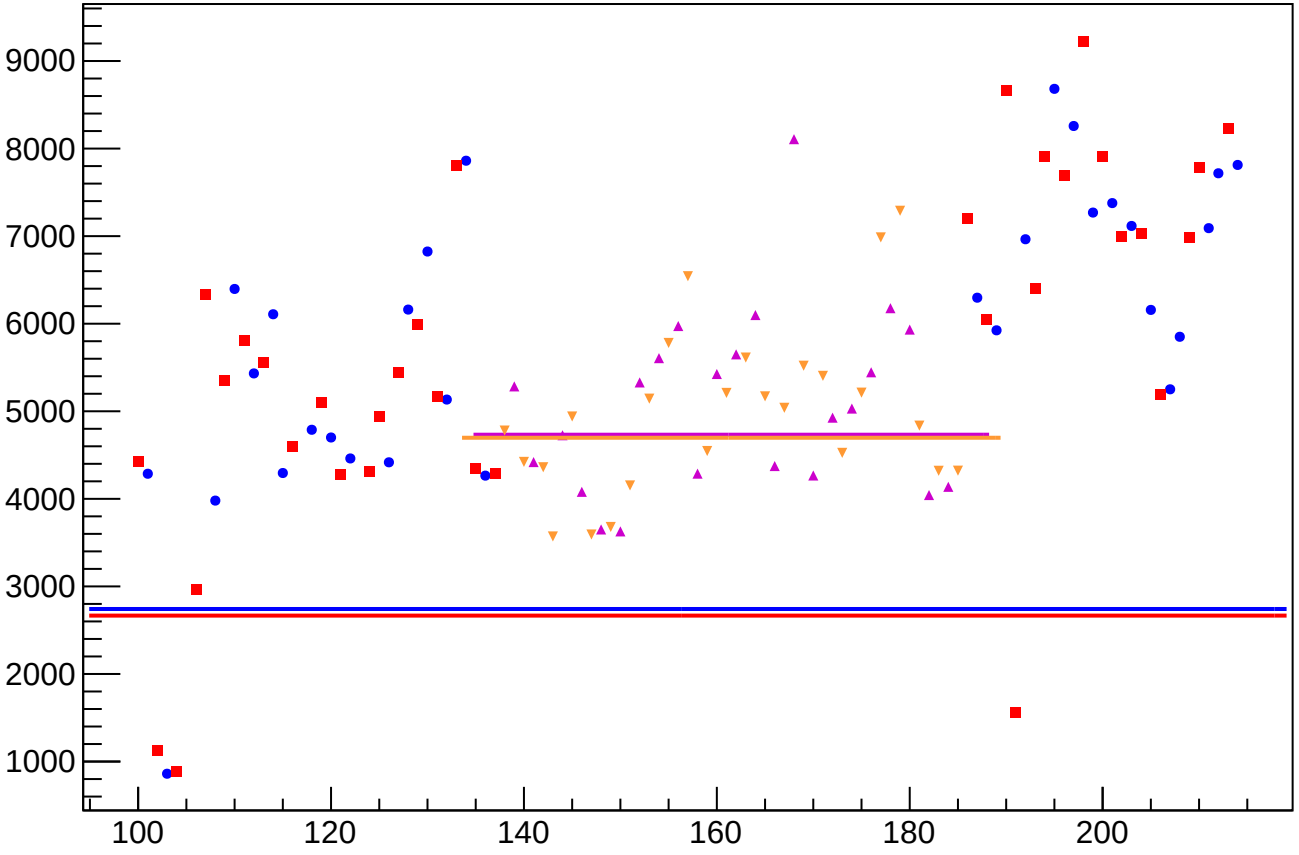
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 125.378+/-681.750 χ^2/NDF: 61.6/54

All: 639.234+/-480.995 χ^2/NDF: 110.4/111

- sign 1148.534+/-678.720 χ^2/NDF: 47.7/56

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2742.147+/-0.617 χ^2/NDF: 16573881.0/29

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

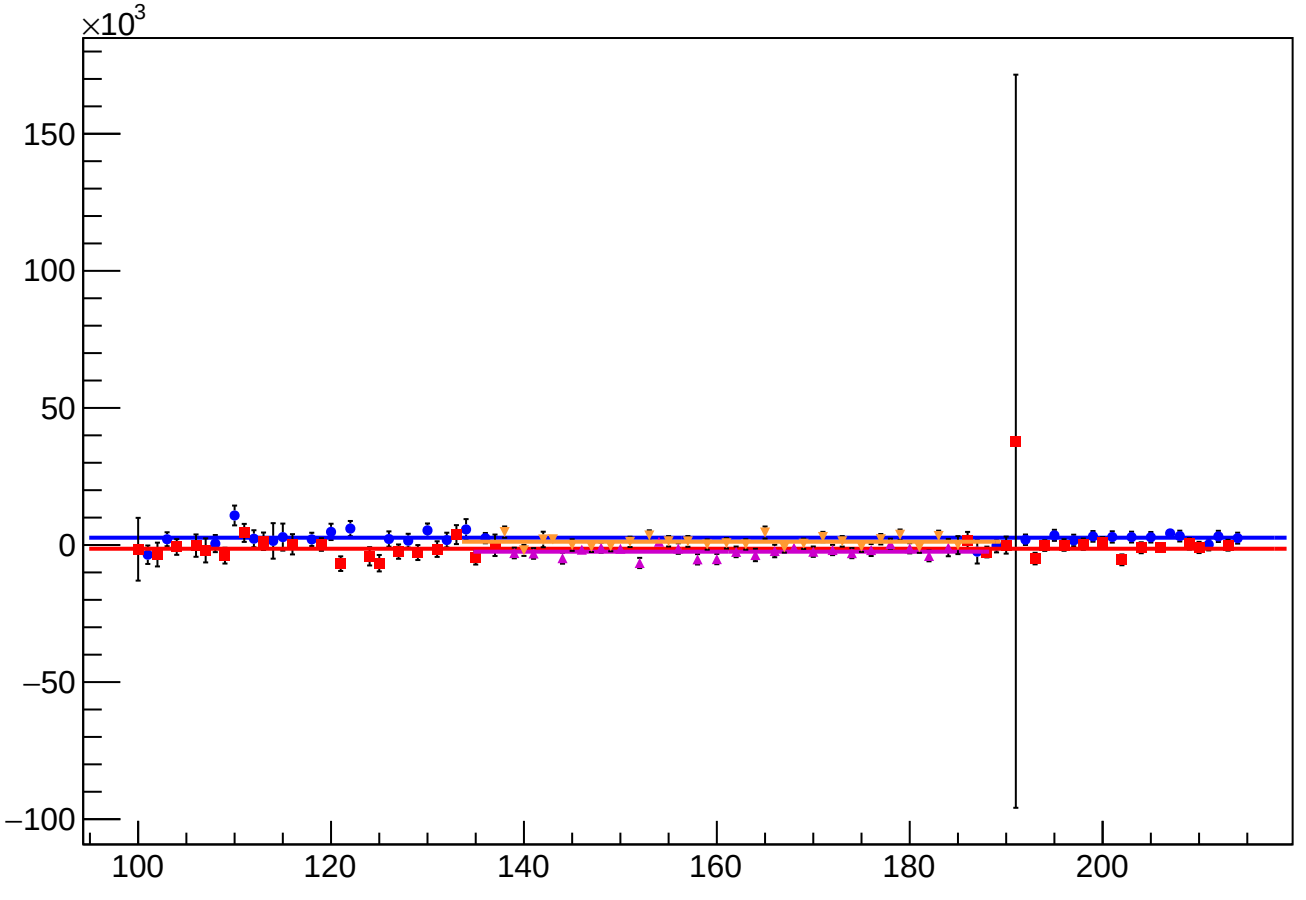
Right Out: 2666.595+/-0.601 χ^2/NDF: 16936105.6/33

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3504.359+/-0.482 χ^2/NDF: 21726994.1/54

All: 3458.944+/-0.340 χ^2/NDF: 44201587.6/1

- sign 3413.931+/-0.480 χ^2/NDF: 22456921.4/56



Right In: 2668.081+/-438.472 χ^2/NDF: 18.8/29

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1358.990+/-439.433 χ^2/NDF: 30.8/33

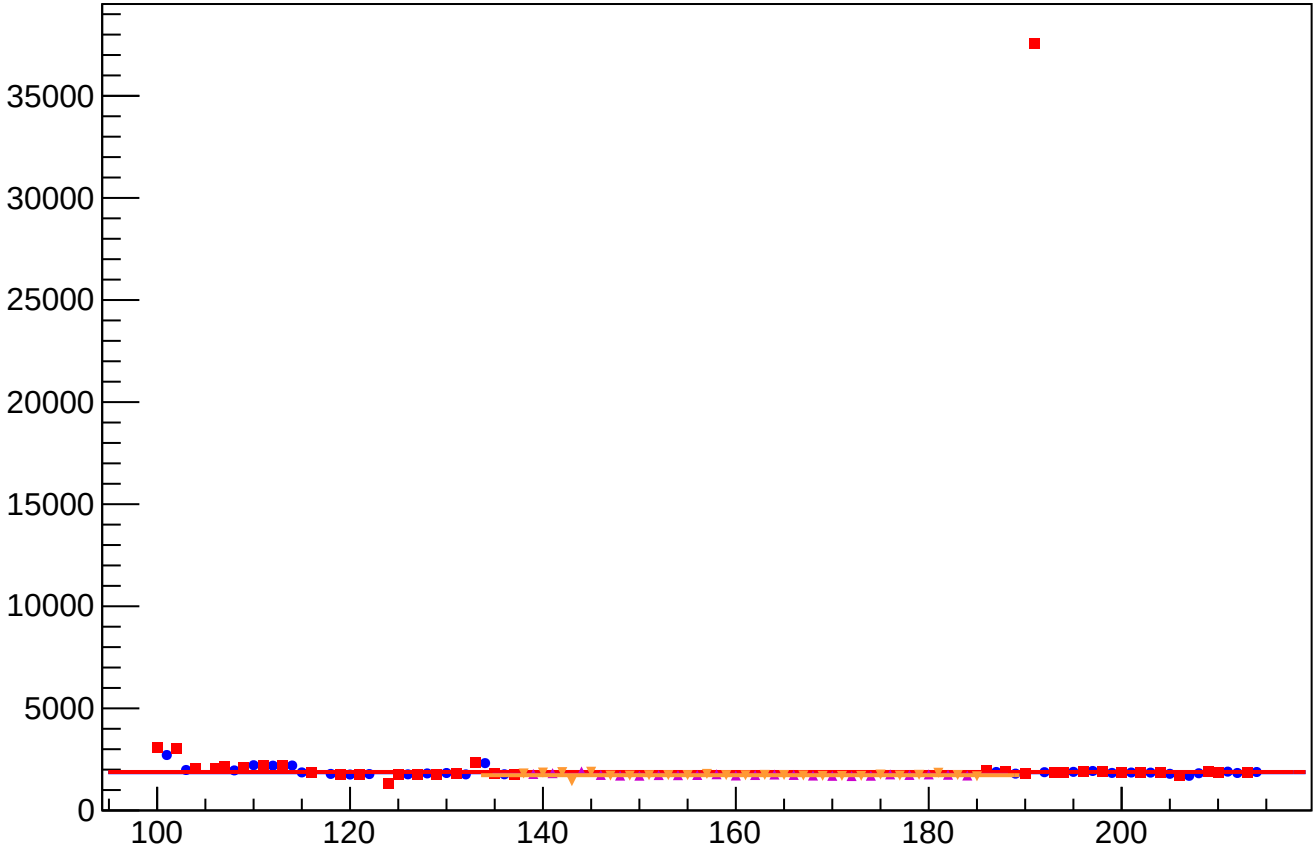
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1852.494+/-292.646 χ^2/NDF: 44.5/54

All: -3.730+/-209.080 χ^2/NDF: 181.3/111

- sign -1939.086+/-298.818 χ^2/NDF: 54.6/56

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.850+/-0.310 χ^2/NDF: 252698.3/29

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1884.323+/-0.311 χ^2/NDF: 521007.6/33

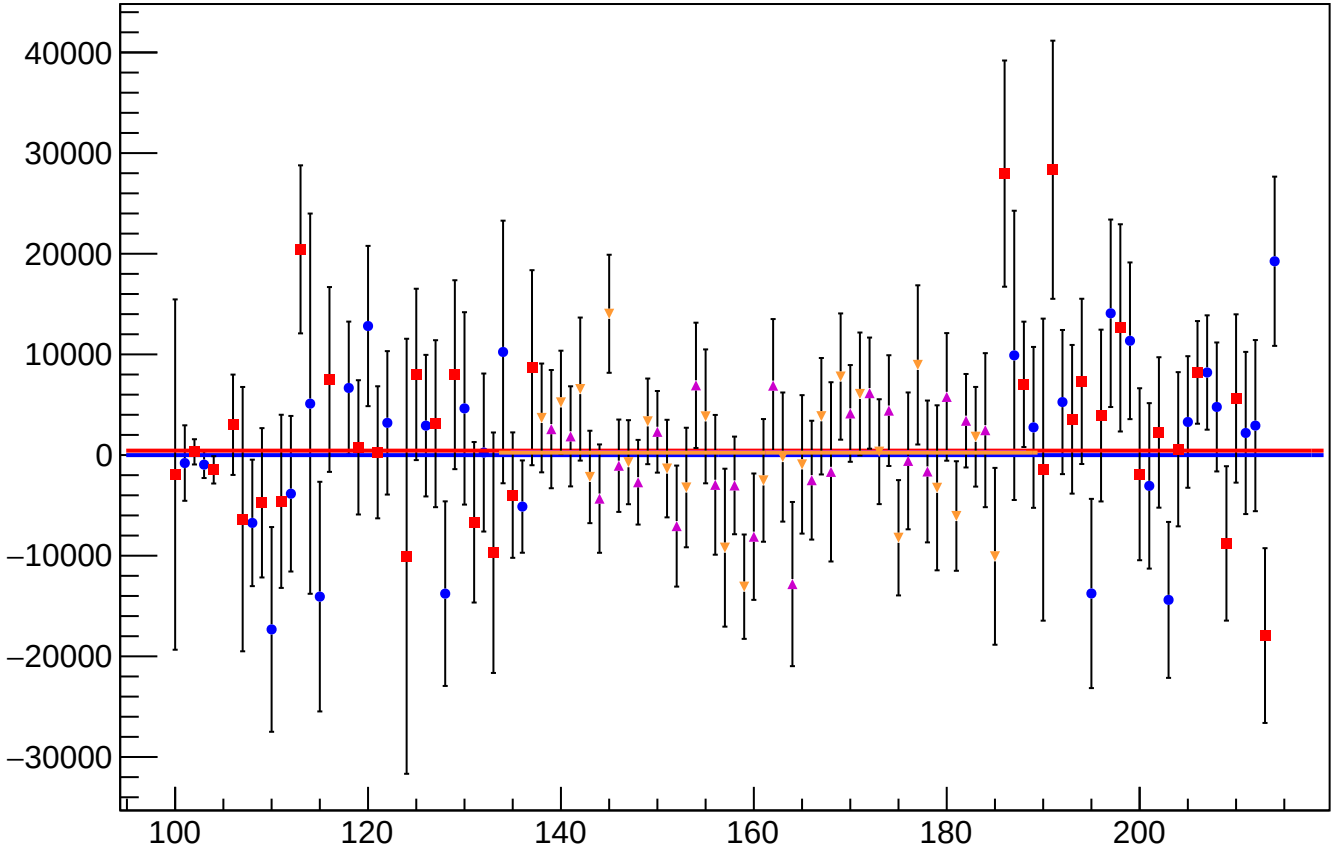
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1791.208+/-0.207 χ^2/NDF: 481952.4/54

All: 1800.041+/-0.148 χ^2/NDF: 1142163.6/11

- sign 1809.248+/-0.211 χ^2/NDF: 656490.0/56

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -8.442+/-952.392 χ^2/NDF: 34.4/29

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 437.452+/-775.168 χ^2/NDF: 37.3/33

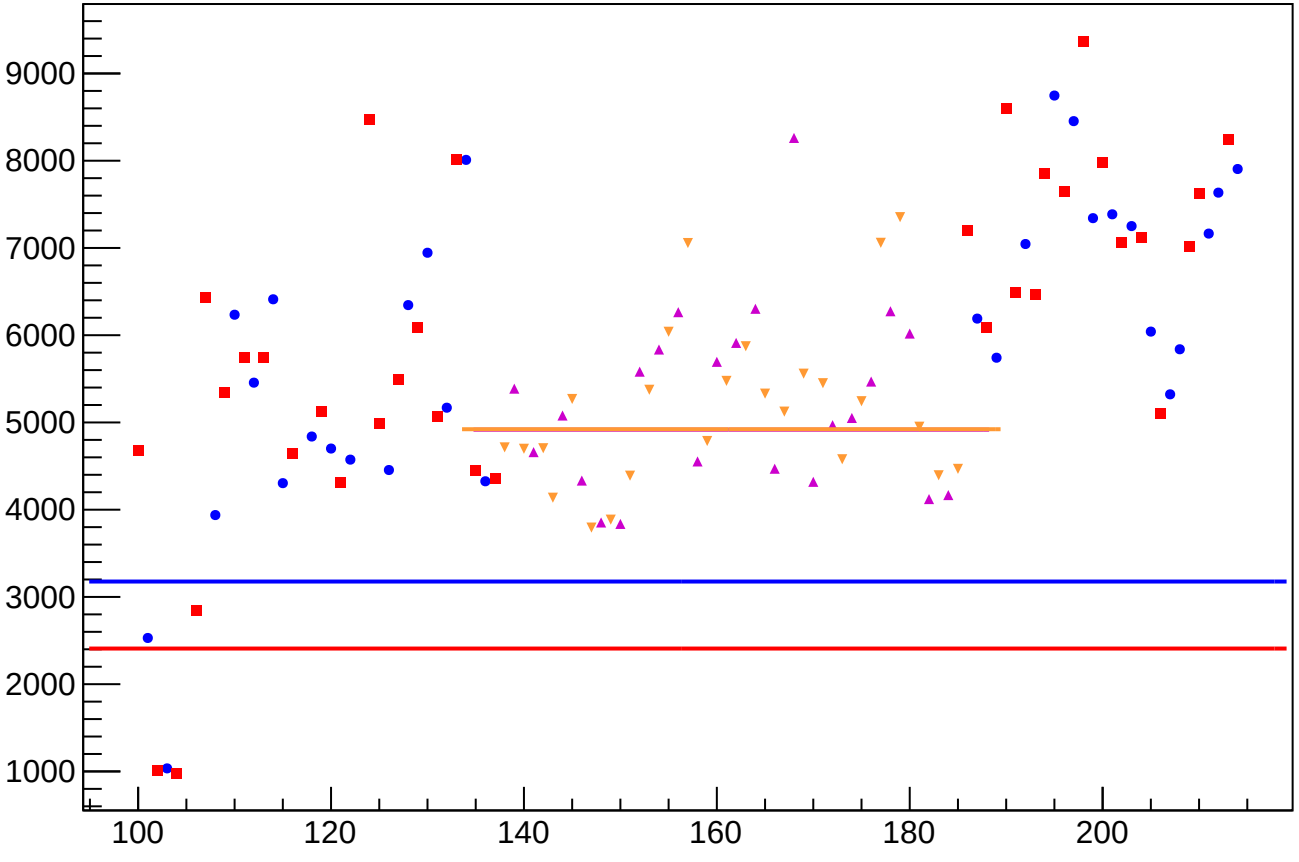
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign 94.044+/-731.146 χ^2/NDF: 61.1/54

All: 264.337+/-484.268 χ^2/NDF: 113.0/111

- sign 397.433+/-646.379 χ^2/NDF: 51.8/56

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3176.577+/-0.673 χ^2/NDF: 13687228.7/29

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2408.441+/-0.548 χ^2/NDF: 18494054.4/33

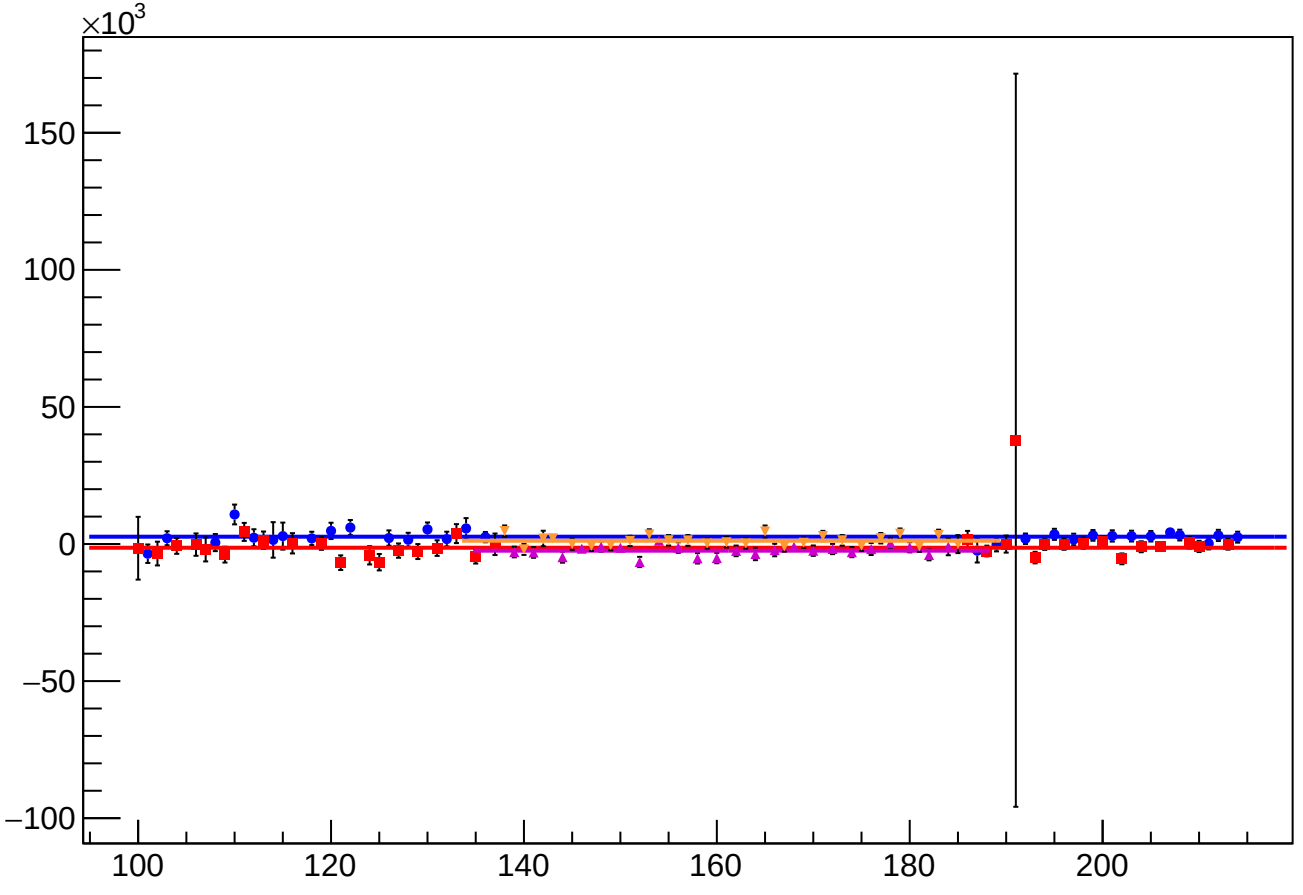
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

\+ sign 3893.483+/-0.517 χ^2/NDF: 17497298.8/54

All: 3488.929+/-0.342 χ^2/NDF: 44625362.9/1

\- sign 3172.743+/-0.457 χ^2/NDF: 26037184.9/56

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2668.076+/-438.472 χ^2/NDF: 18.8/29

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1358.991+/-439.433 χ^2/NDF: 30.8/33

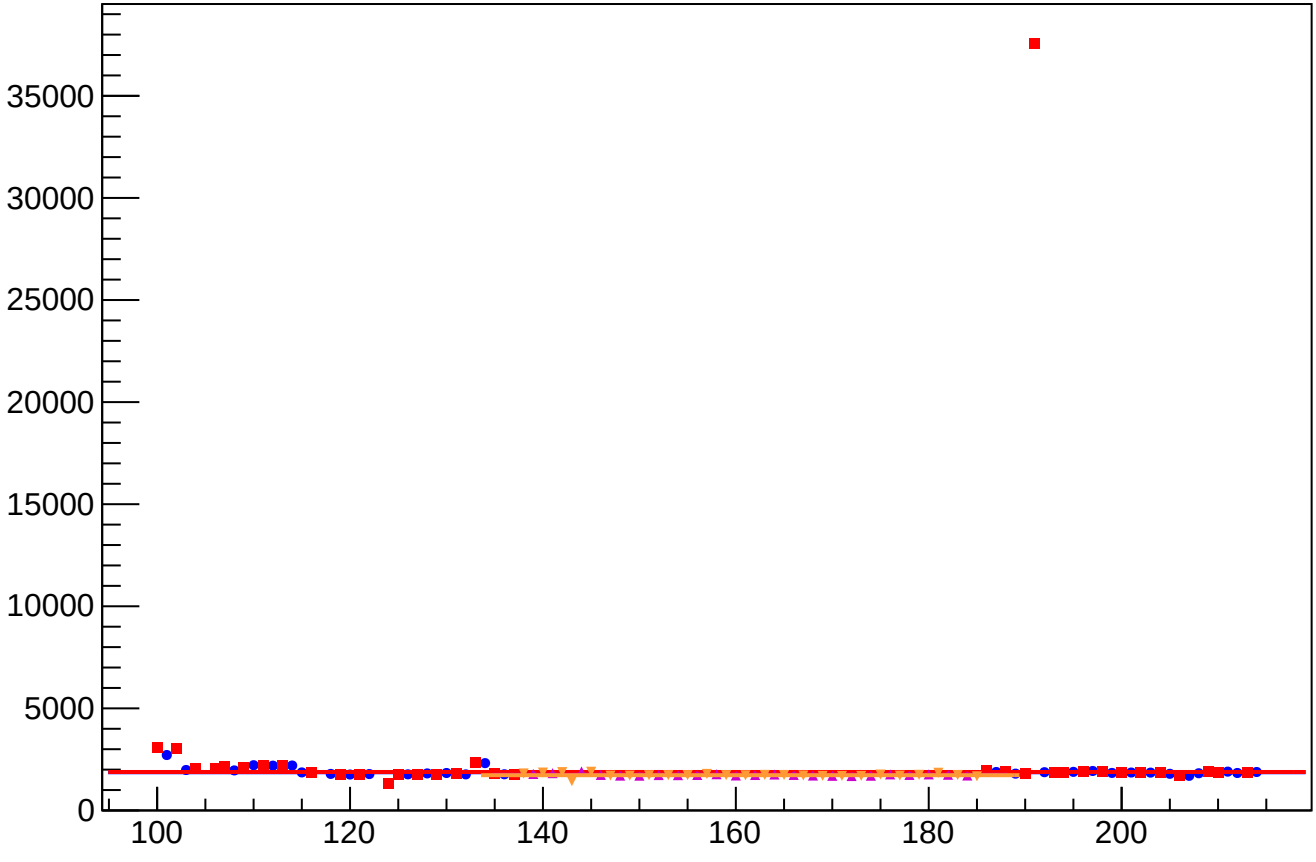
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1852.489+/-292.646 χ^2/NDF: 44.5/54

All: -3.733+/-209.080 χ^2/NDF: 181.3/111

- sign -1939.086+/-298.818 χ^2/NDF: 54.6/56

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1870.850+/-0.310 χ^2/NDF: 252698.2/29

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1884.322+/-0.311 χ^2/NDF: 521006.4/33

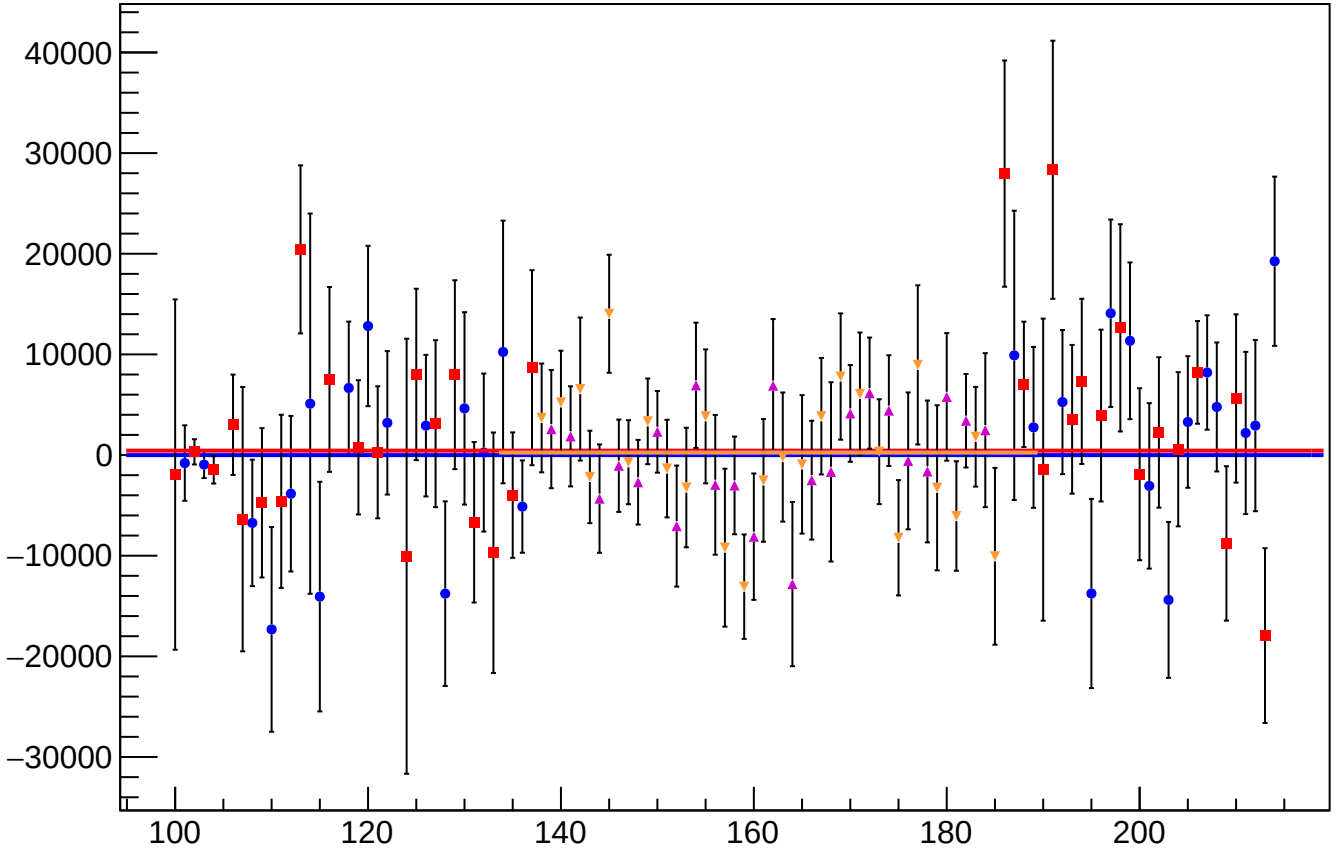
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1791.209+/-0.207 χ^2/NDF: 481949.5/54

All: 1800.042+/-0.148 χ^2/NDF: 1142158.0/11

- sign 1809.248+/-0.211 χ^2/NDF: 656487.3/56

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug



Right In: -8.442+/-952.391 χ^2/NDF: 34.4/29

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 437.456+/-775.167 χ^2/NDF: 37.3/33

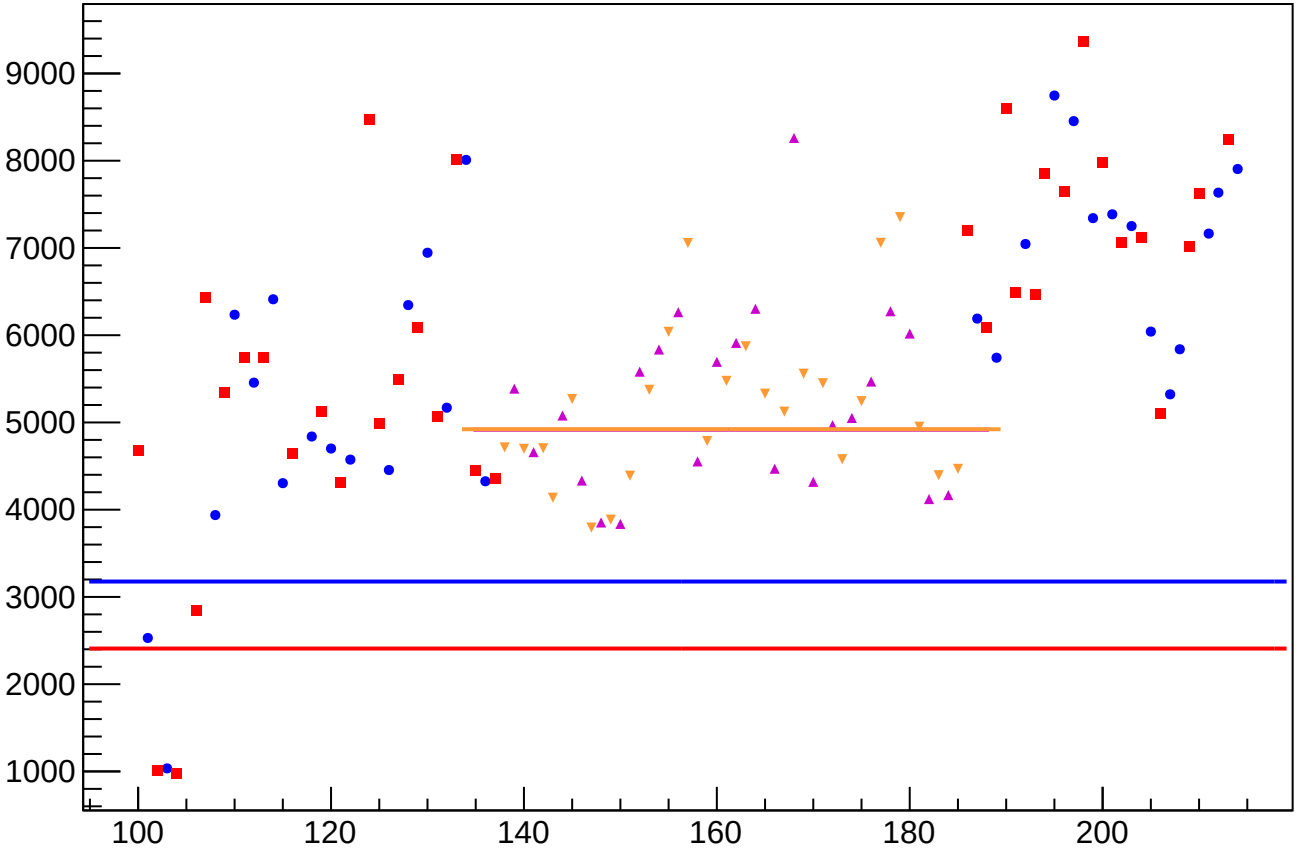
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign 94.043+/-731.146 χ^2/NDF: 61.1/54

All: 264.339+/-484.269 χ^2/NDF: 113.0/111

- sign 397.437+/-646.379 χ^2/NDF: 51.8/56

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3176.575+/-0.673 χ^2/NDF: 13687240.0/29

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2408.440+/-0.548 χ^2/NDF: 18494058.9/33

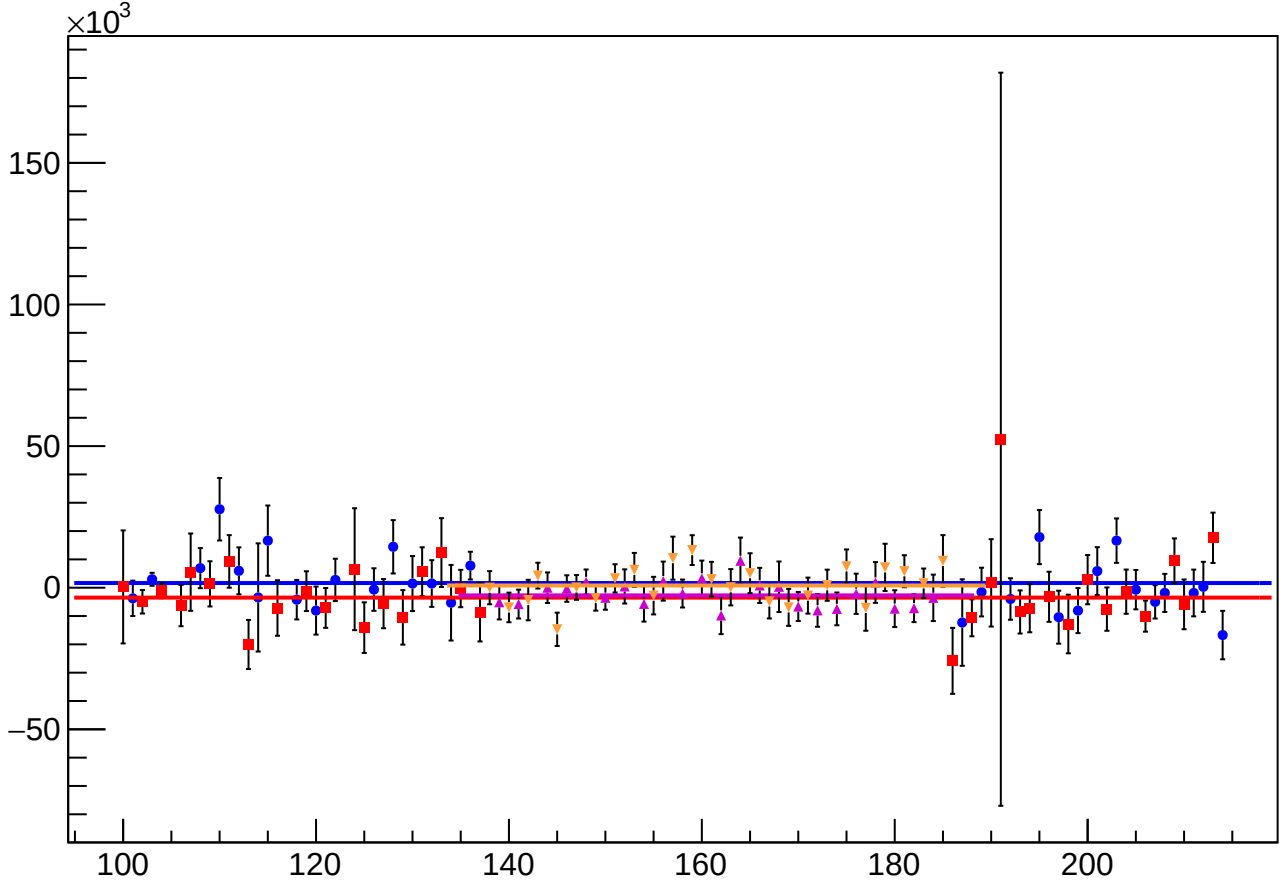
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3893.483+/-0.517 χ^2/NDF: 17497339.0/54

All: 3488.929+/-0.342 χ^2/NDF: 44625446.6/1

- sign 3172.742+/-0.457 χ^2/NDF: 26037225.7/56

asym_atl1r2_avg_mean vs Slug



Right In: 1656.213+/-1250.227 χ^2/NDF: 32.8/29

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3495.614+/-1264.778 χ^2/NDF: 30.9/33

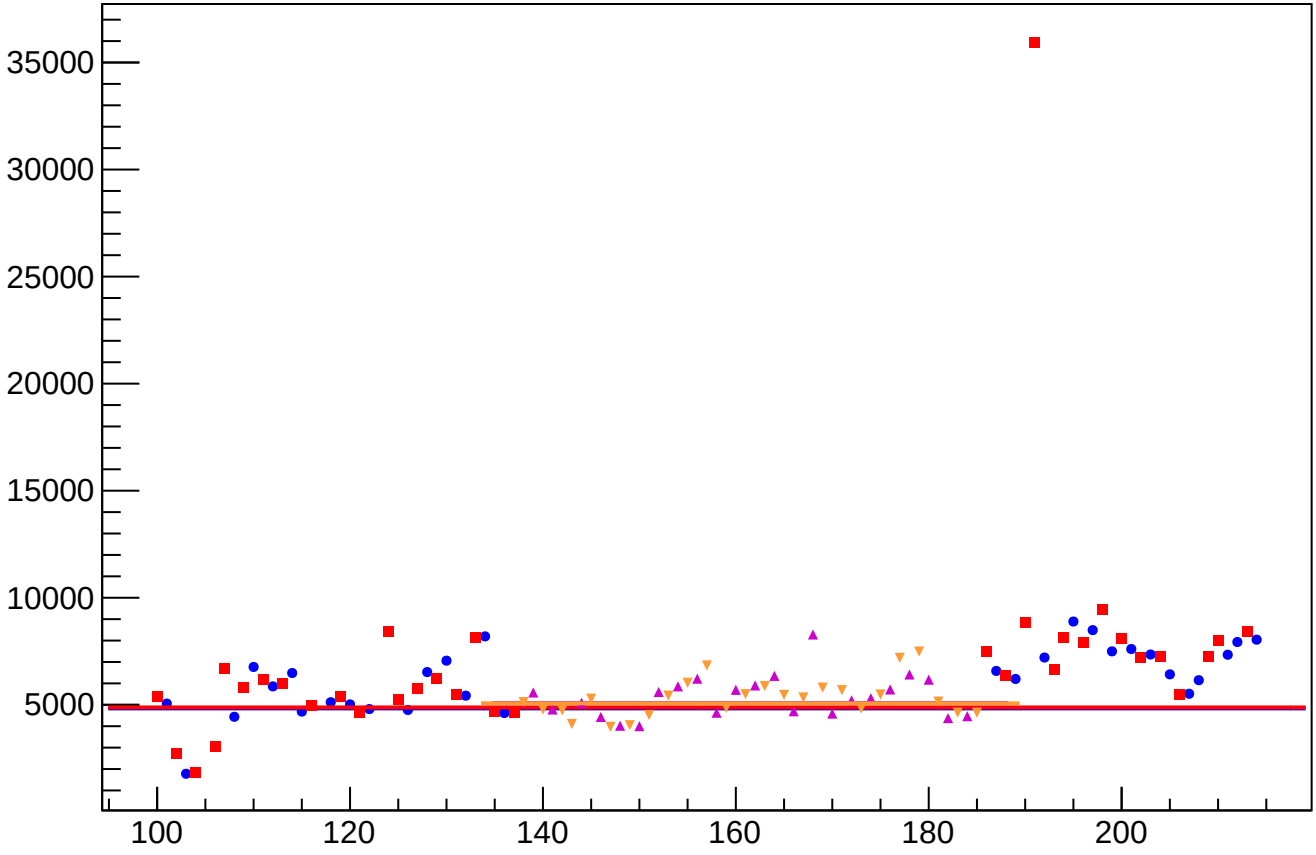
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1194.065+/-855.033 χ^2/NDF: 60.6/54

All: -899.658+/-610.825 χ^2/NDF: 115.9/111

- sign -3081.880+/-872.917 χ^2/NDF: 43.0/56

asym_atl1r2_avg_rms vs Slug



Right In: 4831.942+/-0.884 χ^2/NDF: 6502999.4/29

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4876.758+/-0.888 χ^2/NDF: 6763754.9/33

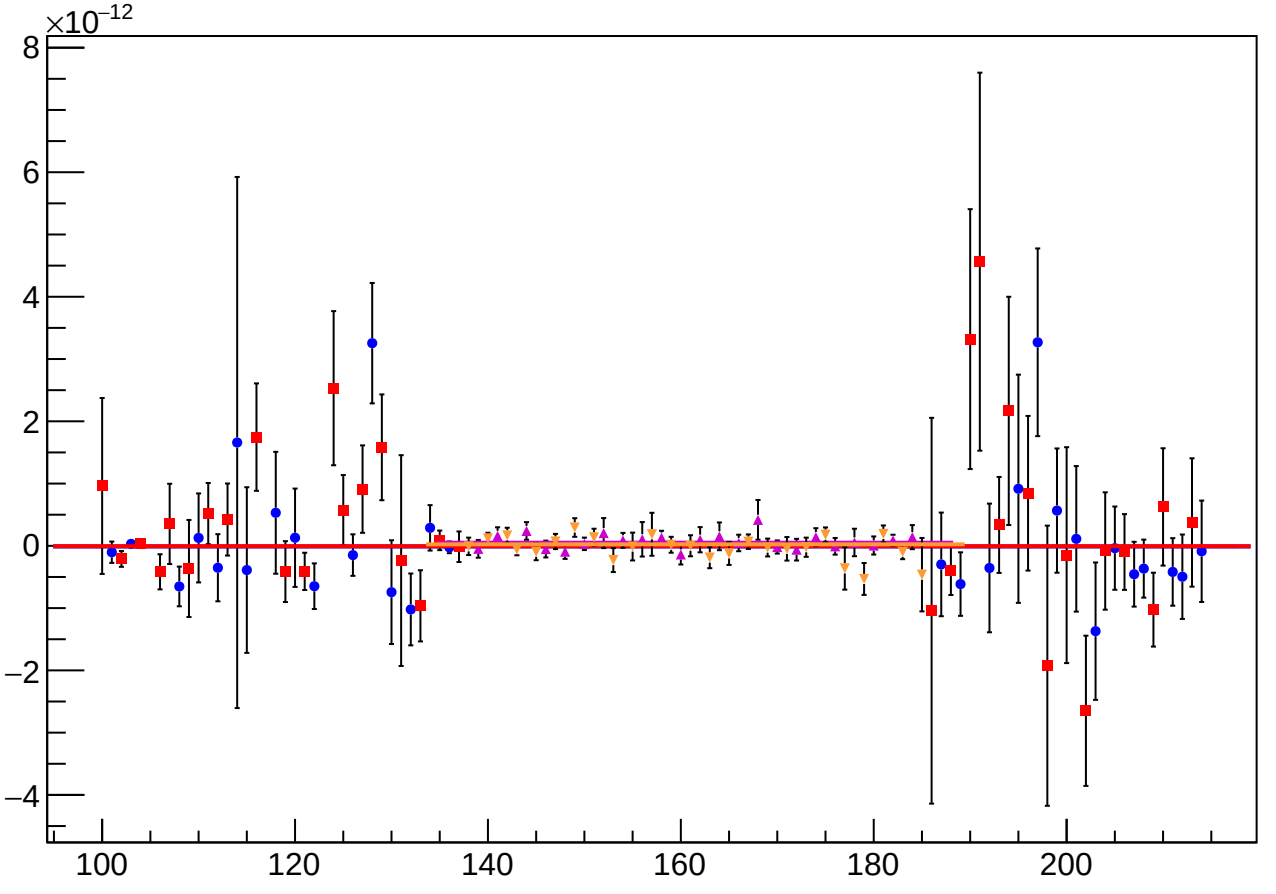
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4957.536+/-0.605 χ^2/NDF: 7495171.8/54

All: 4969.731+/-0.431 χ^2/NDF: 15288153.9/1

- sign 4982.361+/-0.615 χ^2/NDF: 7792153.9/56

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 36.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

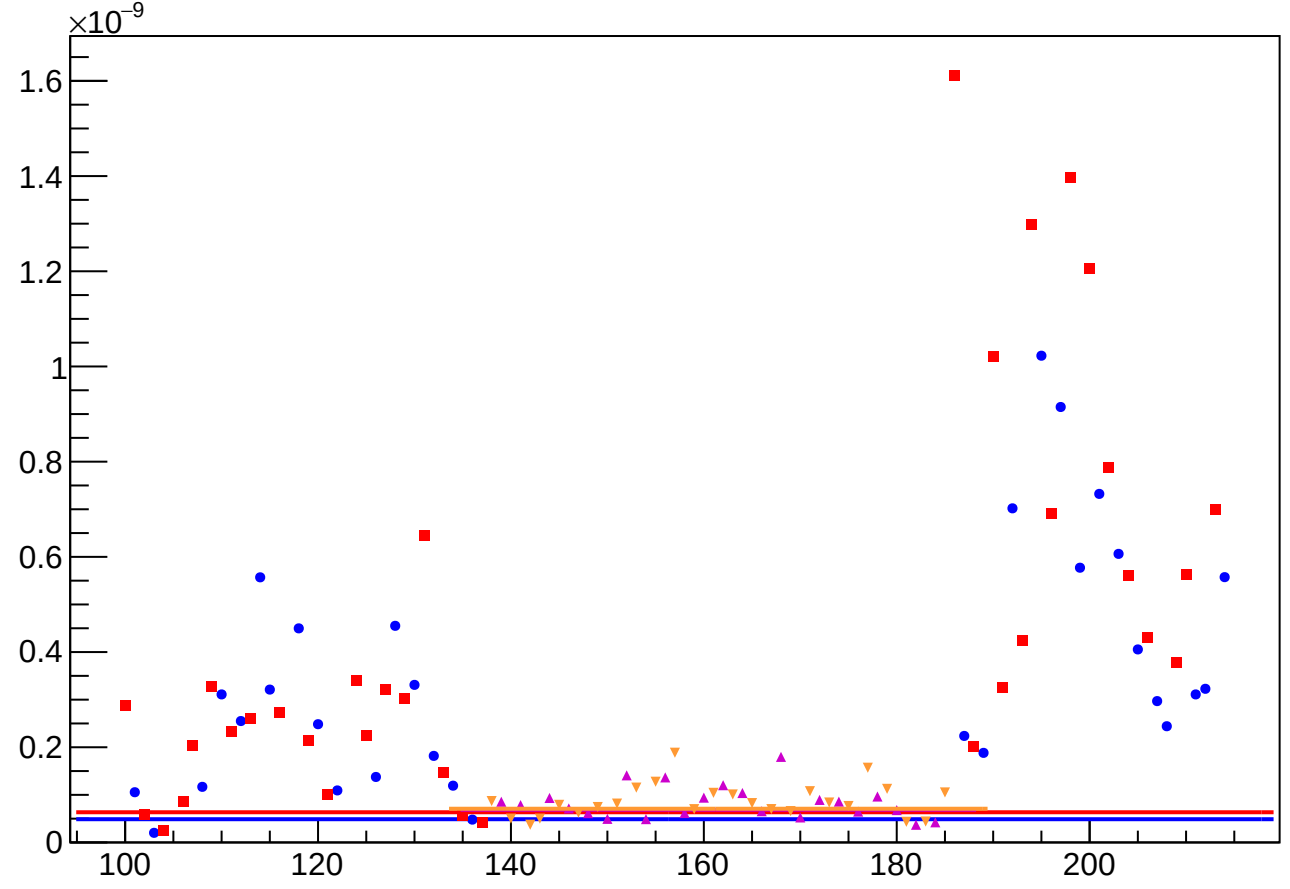
Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/33

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.6/54

All: 0.000+/-0.000 χ^2/NDF: 118.5/111

- sign 0.000+/-0.000 χ^2/NDF: 57.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 10296090.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

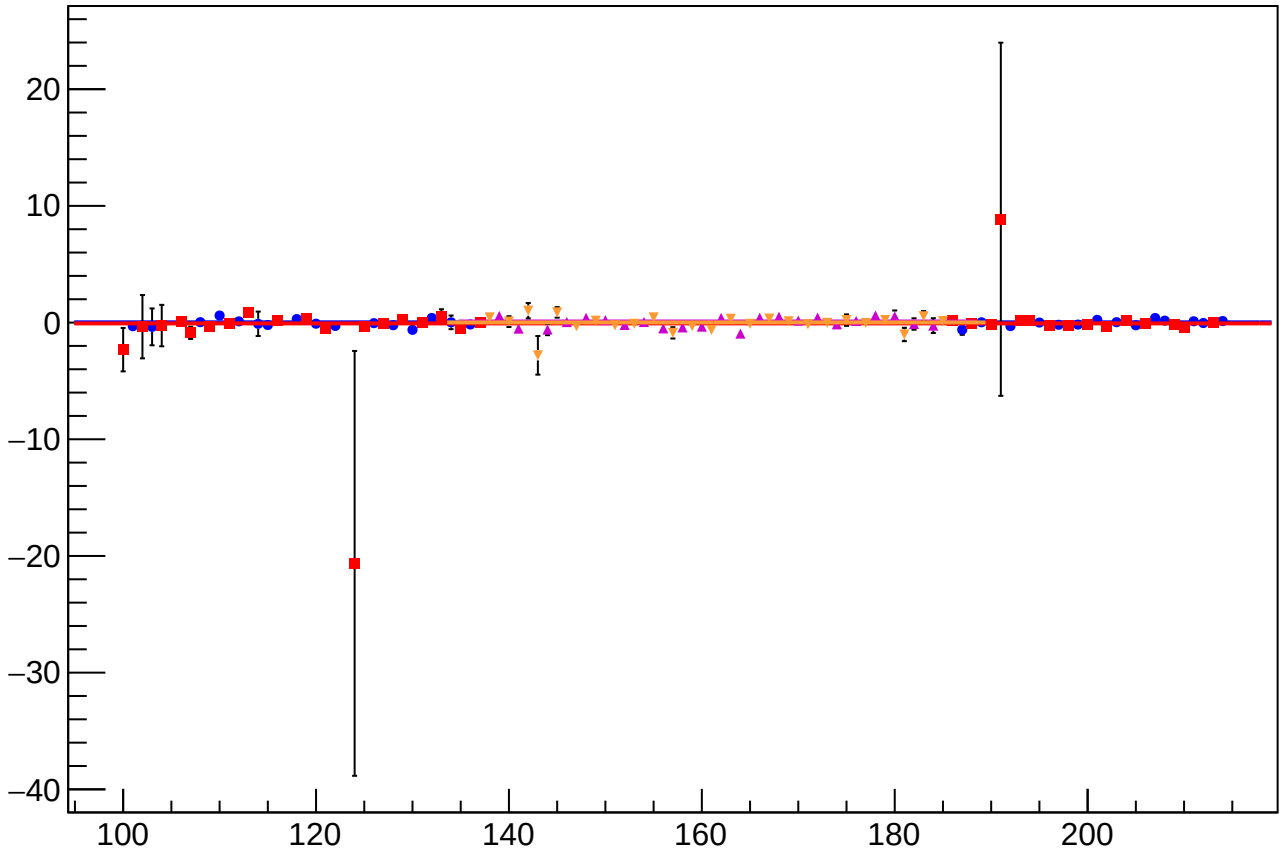
Right Out: 0.000+/-0.000 χ^2/NDF: 11616009.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12244819.1/54

All: 0.000+/-0.000 χ^2/NDF: 25360638.6/111

- sign 0.000+/-0.000 χ^2/NDF: 13069116.6/56



Right In: 0.021+/-0.048 χ^2/NDF: 25.3/29

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.071+/-0.046 χ^2/NDF: 32.0/33

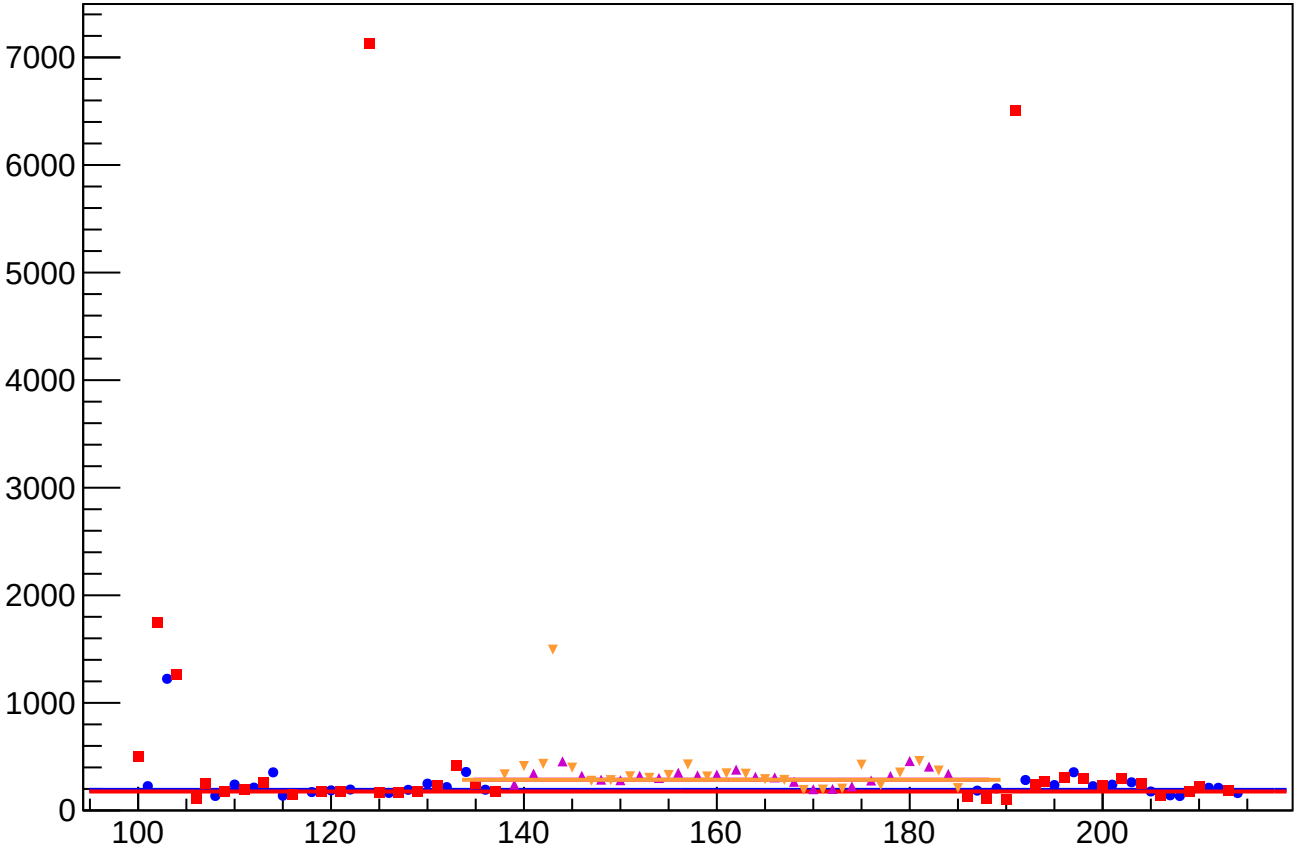
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.019+/-0.040 χ^2/NDF: 53.6/54

All: -0.003+/-0.028 χ^2/NDF: 120.7/111

- sign -0.023+/-0.038 χ^2/NDF: 66.5/56

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 191.349+/-0.034 χ^2/NDF: 2785388.5/29

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

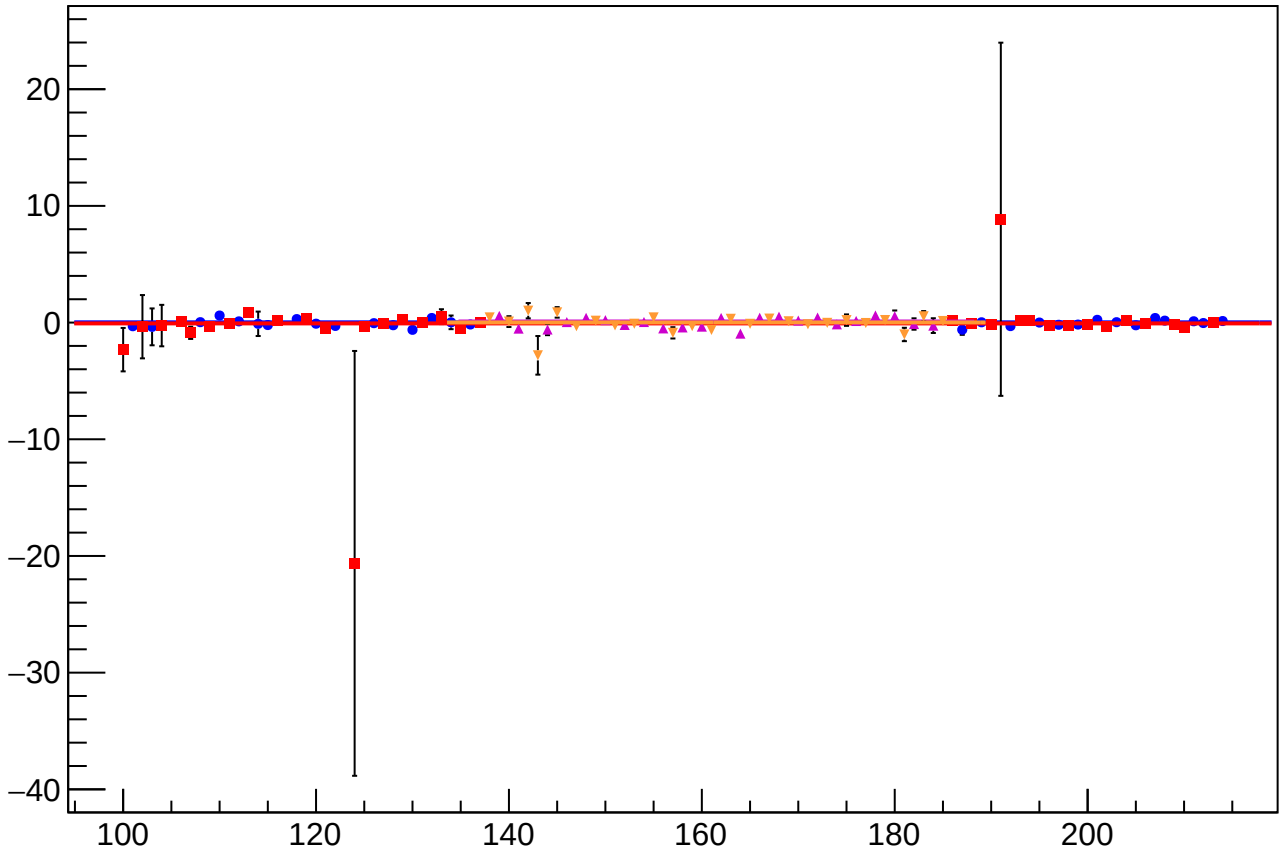
Right Out: 176.050+/-0.032 χ^2/NDF: 5440178.4/33

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 221.636+/-0.028 χ^2/NDF: 8629265.6/54

All: 214.999+/-0.020 χ^2/NDF: 19337244.1/11

- sign 208.776+/-0.027 χ^2/NDF: 10599654.8/56



Right In: 0.021+/-0.048 χ^2/NDF: 25.3/29

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.071+/-0.046 χ^2/NDF: 32.0/33

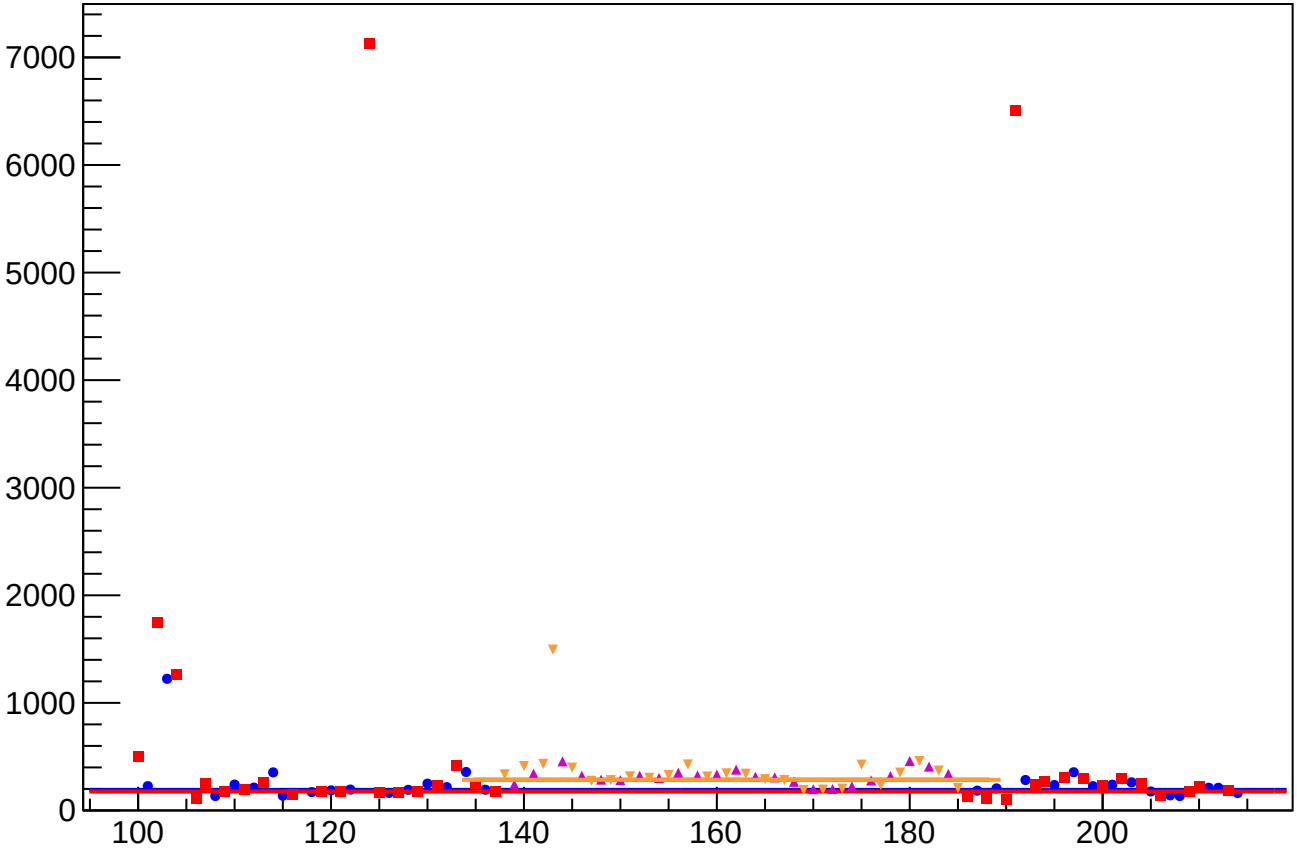
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.019+/-0.040 χ^2/NDF: 53.6/54

All: -0.003+/-0.028 χ^2/NDF: 120.7/111

- sign -0.023+/-0.038 χ^2/NDF: 66.5/56

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 191.349+/-0.034 χ^2/NDF: 2785388.5/29

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

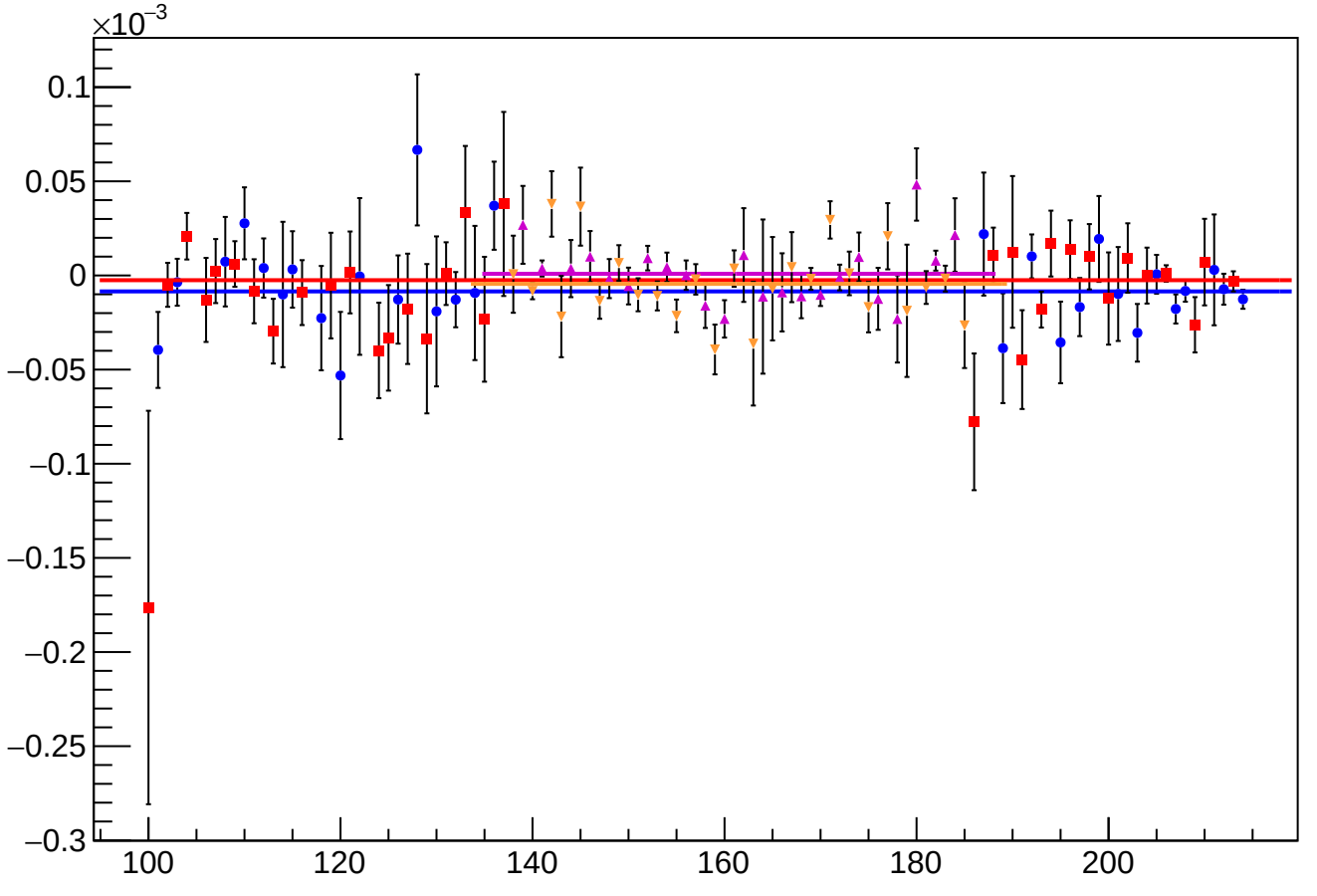
Right Out: 176.050+/-0.032 χ^2/NDF: 5440178.4/33

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 221.636+/-0.028 χ^2/NDF: 8629265.6/54

All: 214.999+/-0.020 χ^2/NDF: 19337244.1/11

- sign 208.776+/-0.027 χ^2/NDF: 10599654.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

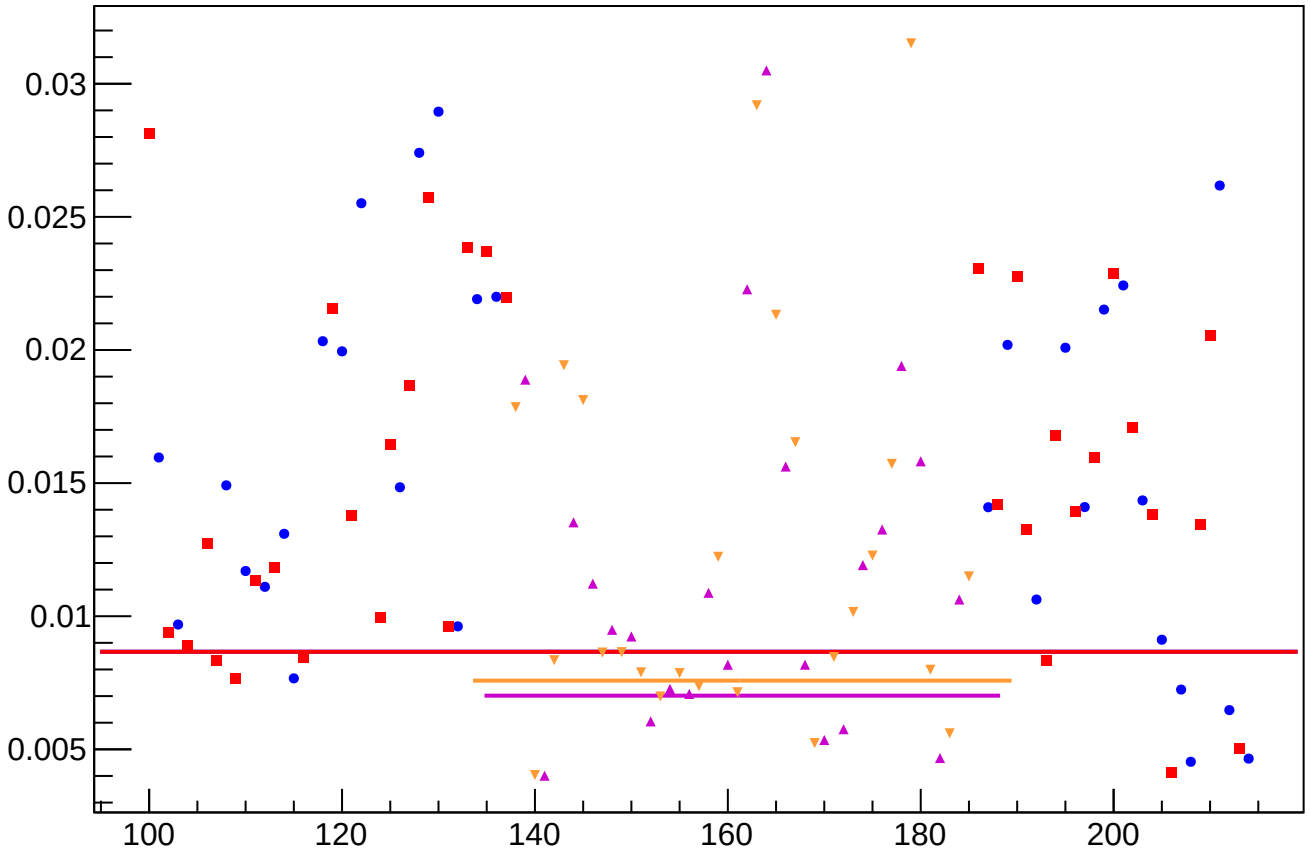
Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/33

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.6/54

All: -0.000+/-0.000 χ^2/NDF: 146.4/111

- sign -0.000+/-0.000 χ^2/NDF: 64.0/56



Right In: 0.009+/-0.000 χ^2/NDF: 9448772.6/29

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

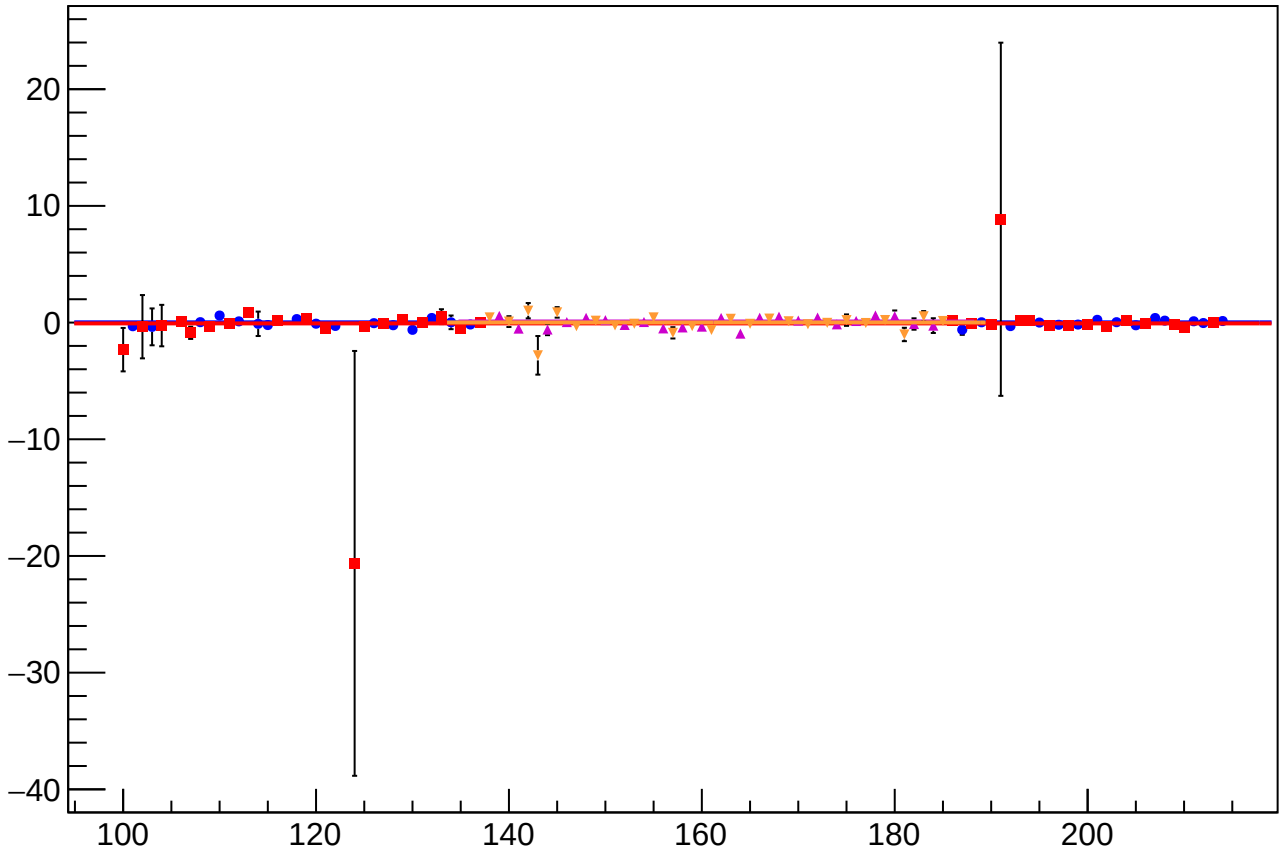
Right Out: 0.009+/-0.000 χ^2/NDF: 9546927.6/33

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 17040367.9/54

All: 0.008+/-0.000 χ^2/NDF: 33973318.0/111

- sign 0.008+/-0.000 χ^2/NDF: 16882212.2/56



Right In: 0.021+/-0.048 χ^2/NDF: 25.3/29

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.071+/-0.046 χ^2/NDF: 32.0/33

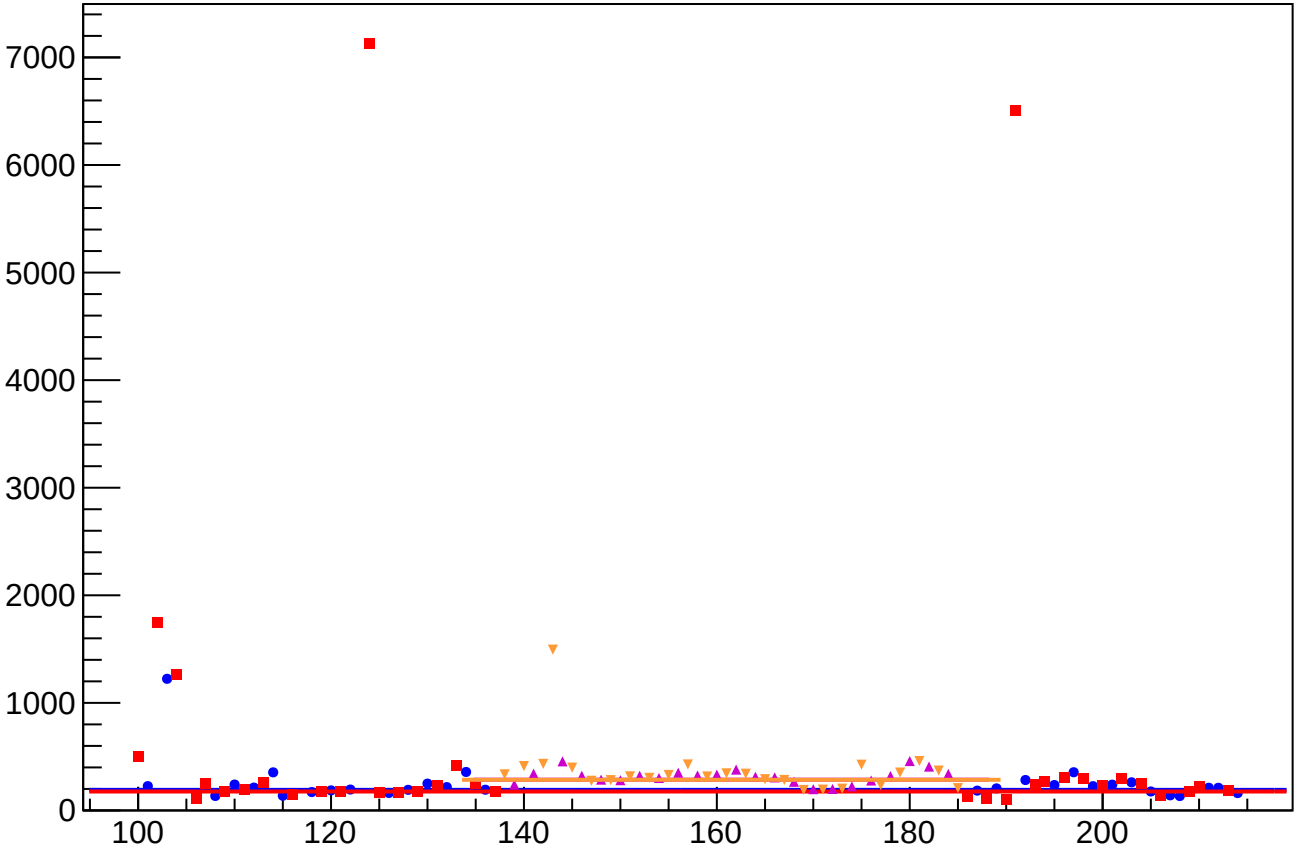
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.019+/-0.040 χ^2/NDF: 53.6/54

All: -0.003+/-0.028 χ^2/NDF: 120.7/111

- sign -0.023+/-0.038 χ^2/NDF: 66.5/56

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 191.348+/-0.034 χ^2/NDF: 2785416.0/29

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

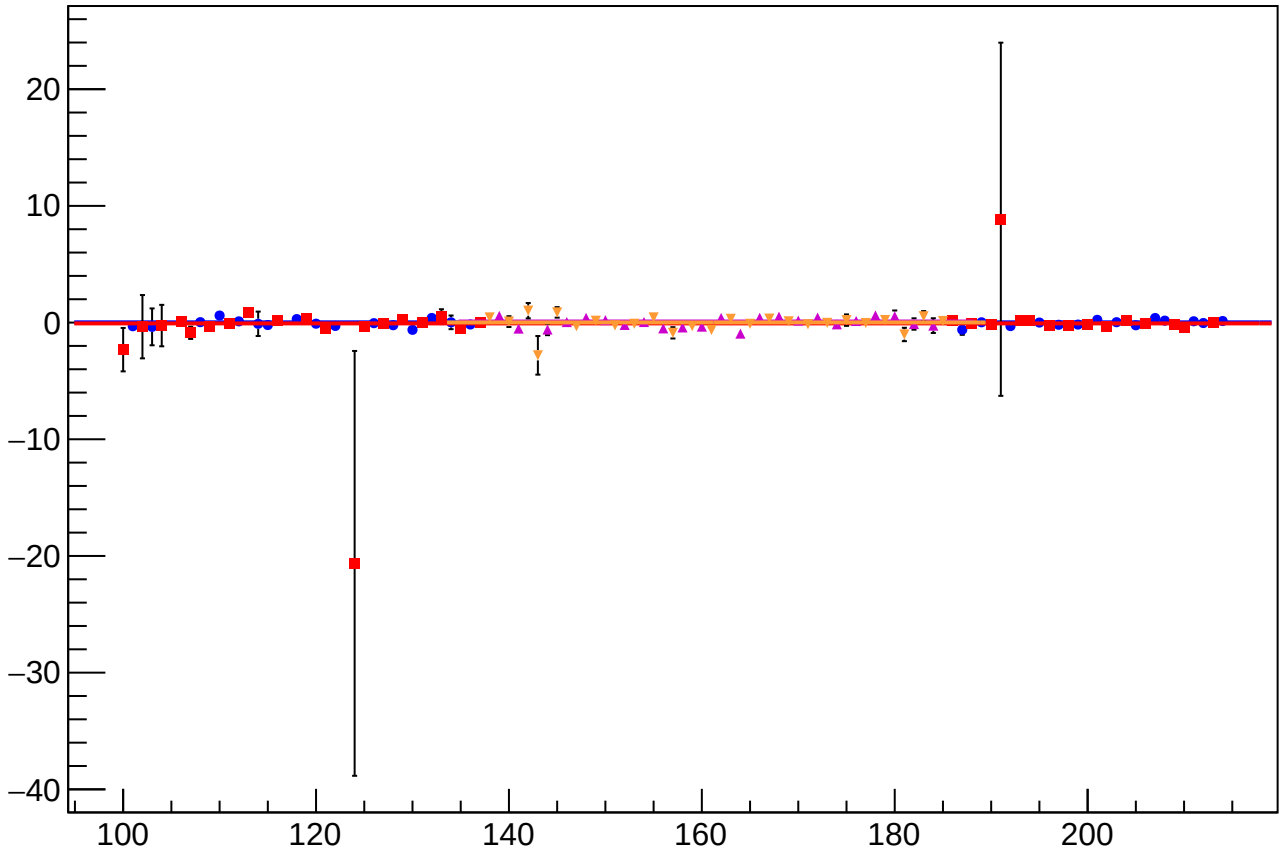
Right Out: 176.048+/-0.032 χ^2/NDF: 5440322.4/33

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 221.635+/-0.028 χ^2/NDF: 8629511.0/54

All: 214.998+/-0.020 χ^2/NDF: 19337978.7/11

- sign 208.774+/-0.027 χ^2/NDF: 10600122.1/56



Right In: 0.021+/-0.048 χ^2/NDF: 25.3/29

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

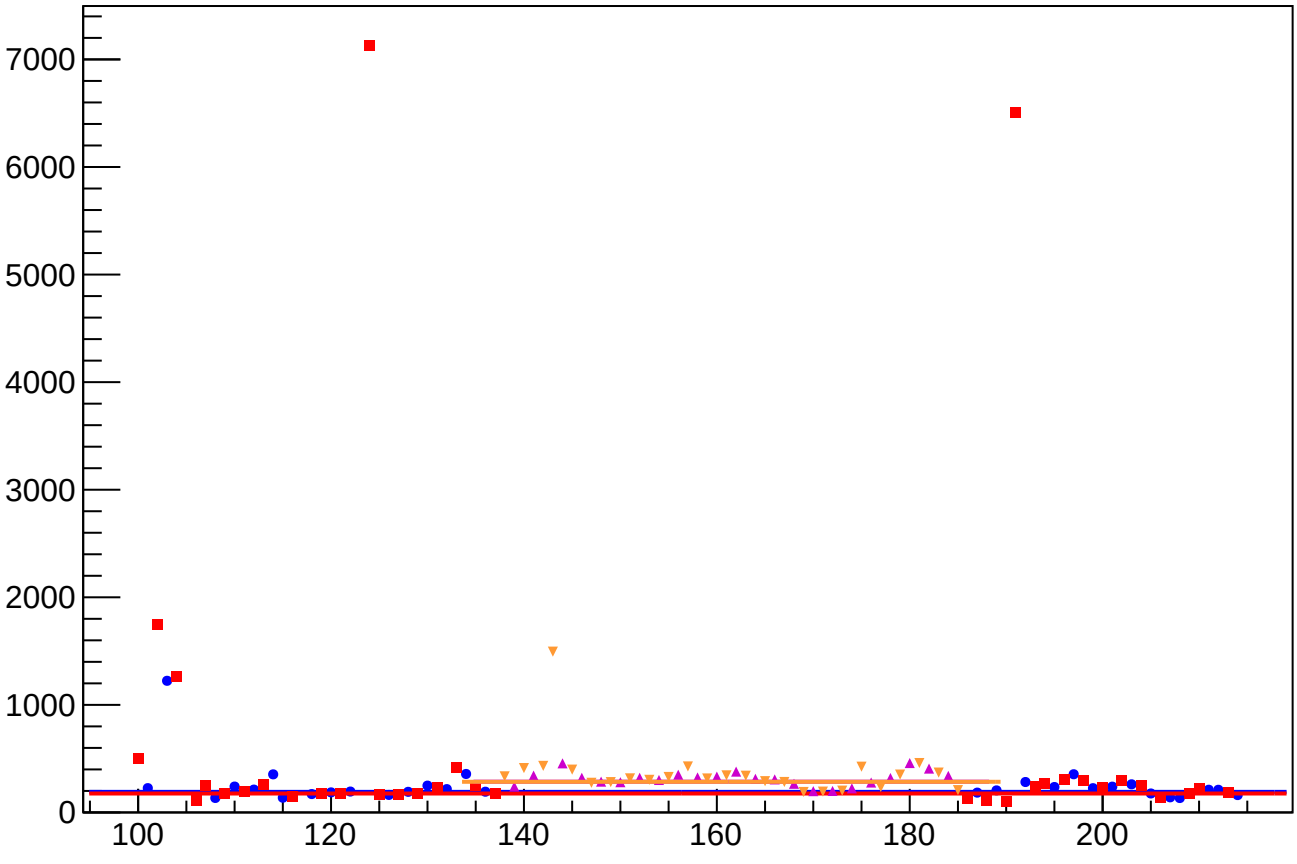
Right Out: -0.071+/-0.046 χ^2/NDF: 32.0/33

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

\+ sign 0.019+/-0.040 χ^2/NDF: 53.6/54

All: -0.003+/-0.028 χ^2/NDF: 120.7/111

\- sign -0.023+/-0.038 χ^2/NDF: 66.5/56



Right In: 191.348+/-0.034 χ^2/NDF: 2785416.0/29

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 176.048+/-0.032 χ^2/NDF: 5440322.4/33

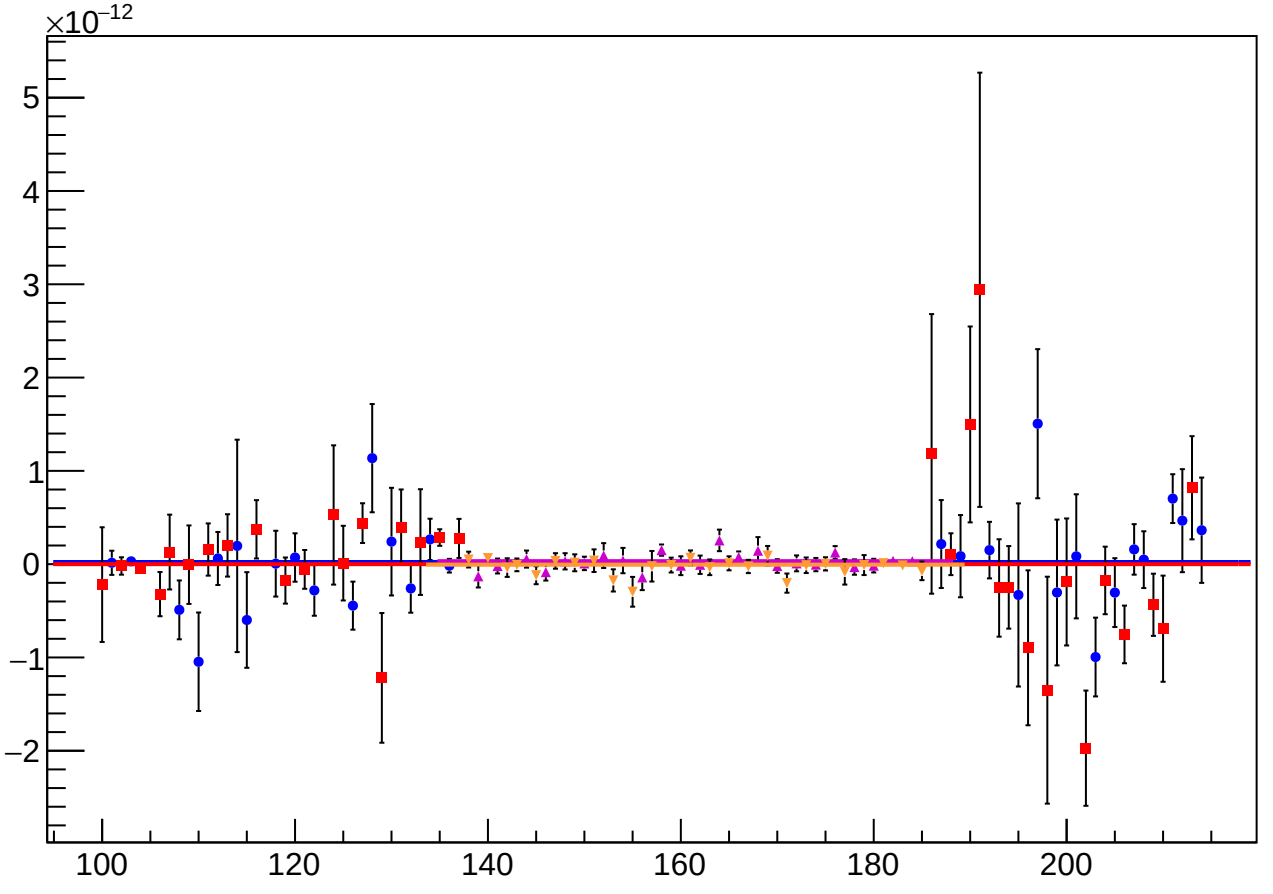
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 221.635+/-0.028 χ^2/NDF: 8629511.0/54

All: 214.998+/-0.020 χ^2/NDF: 19337978.7/11

- sign 208.774+/-0.027 χ^2/NDF: 10600122.1/56

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

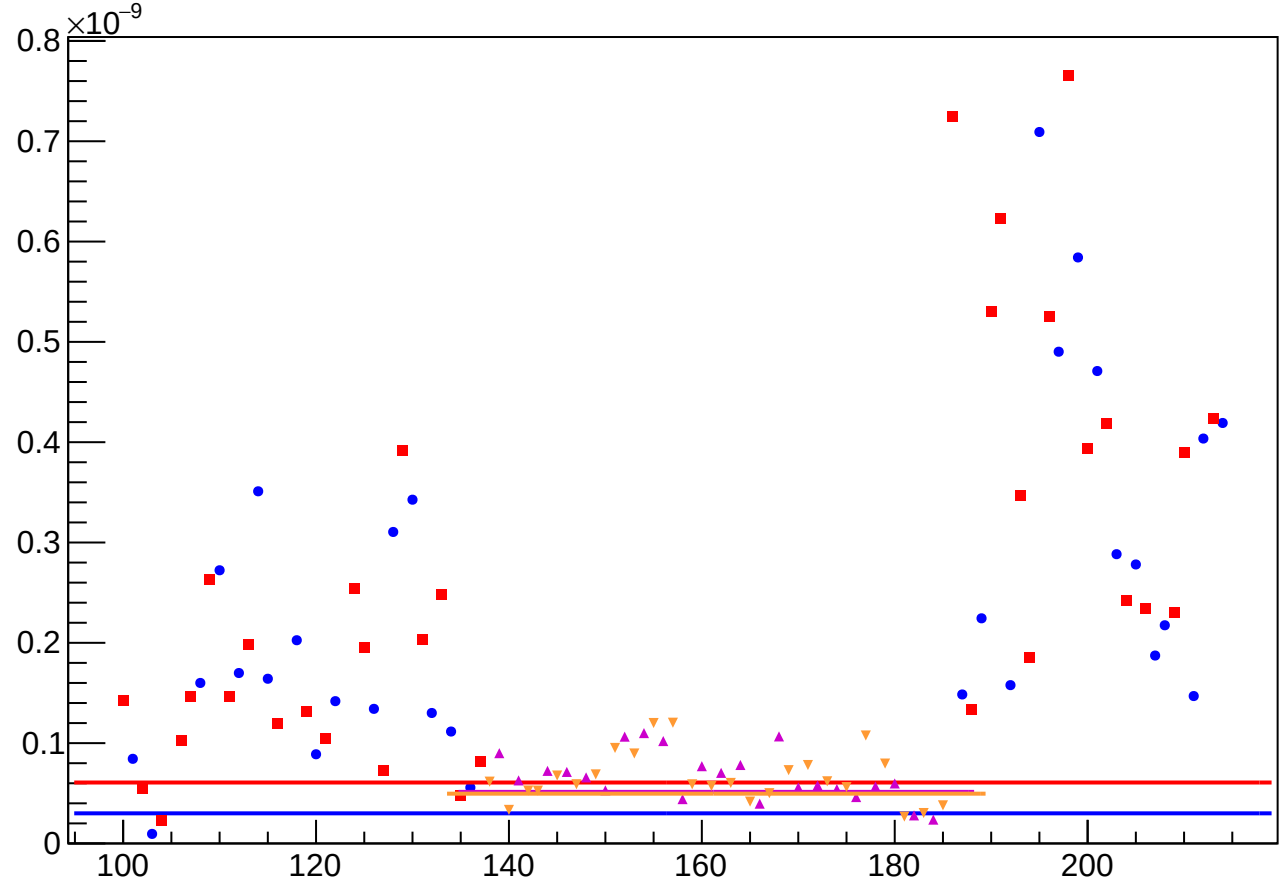
Right Out: -0.000+/-0.000 χ^2/NDF: 56.7/33

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/54

All: 0.000+/-0.000 χ^2/NDF: 133.5/111

- sign 0.000+/-0.000 χ^2/NDF: 76.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 16412412.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12108348.8/33

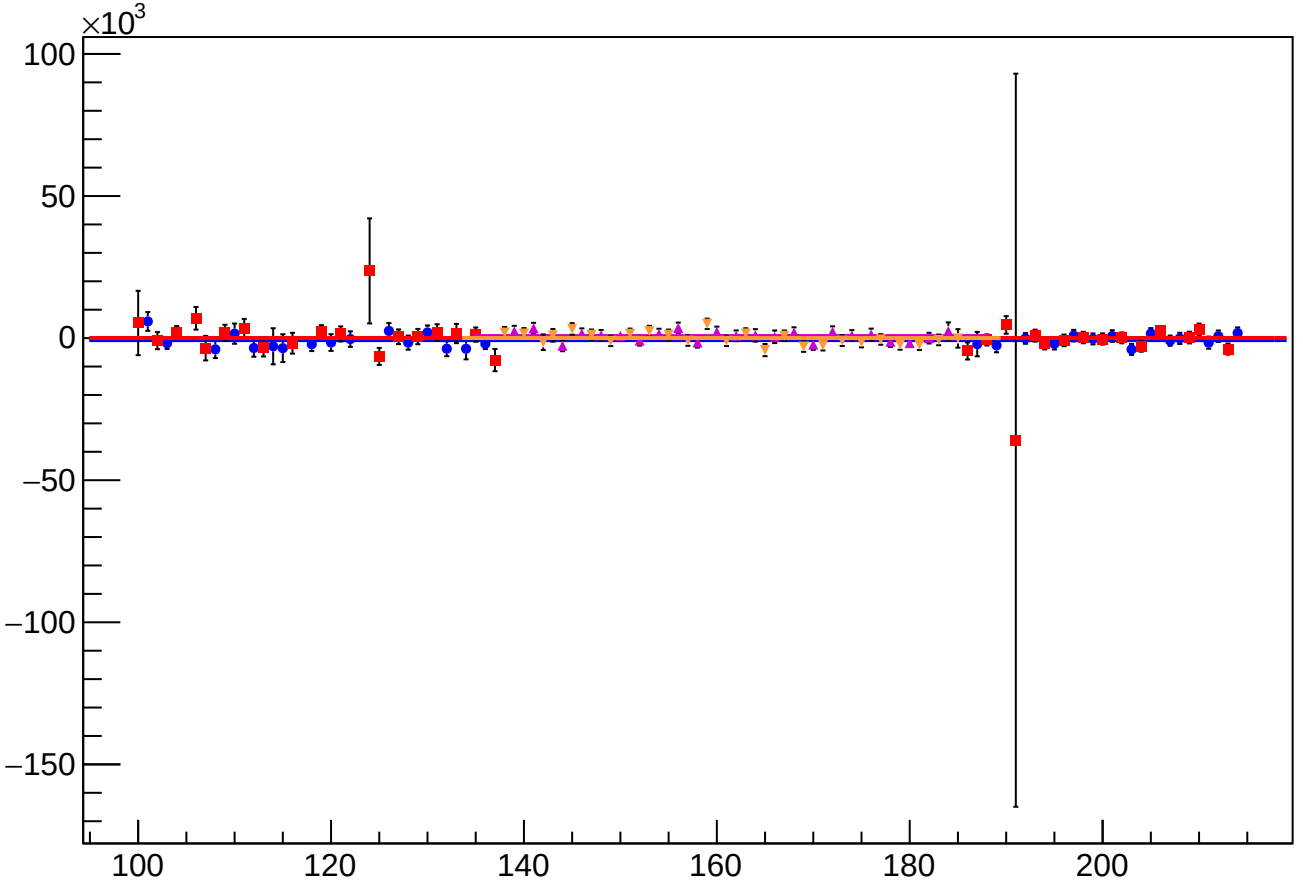
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 21502309.7/54

All: 0.000+/-0.000 χ^2/NDF: 38100835.6/111

- sign 0.000+/-0.000 χ^2/NDF: 15918238.4/56

reg_asym_atl1r2_dd_mean vs Slug



Right In: -696.796+/-429.569 χ^2/NDF: 21.6/29

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 51.131+/-432.121 χ^2/NDF: 37.8/33

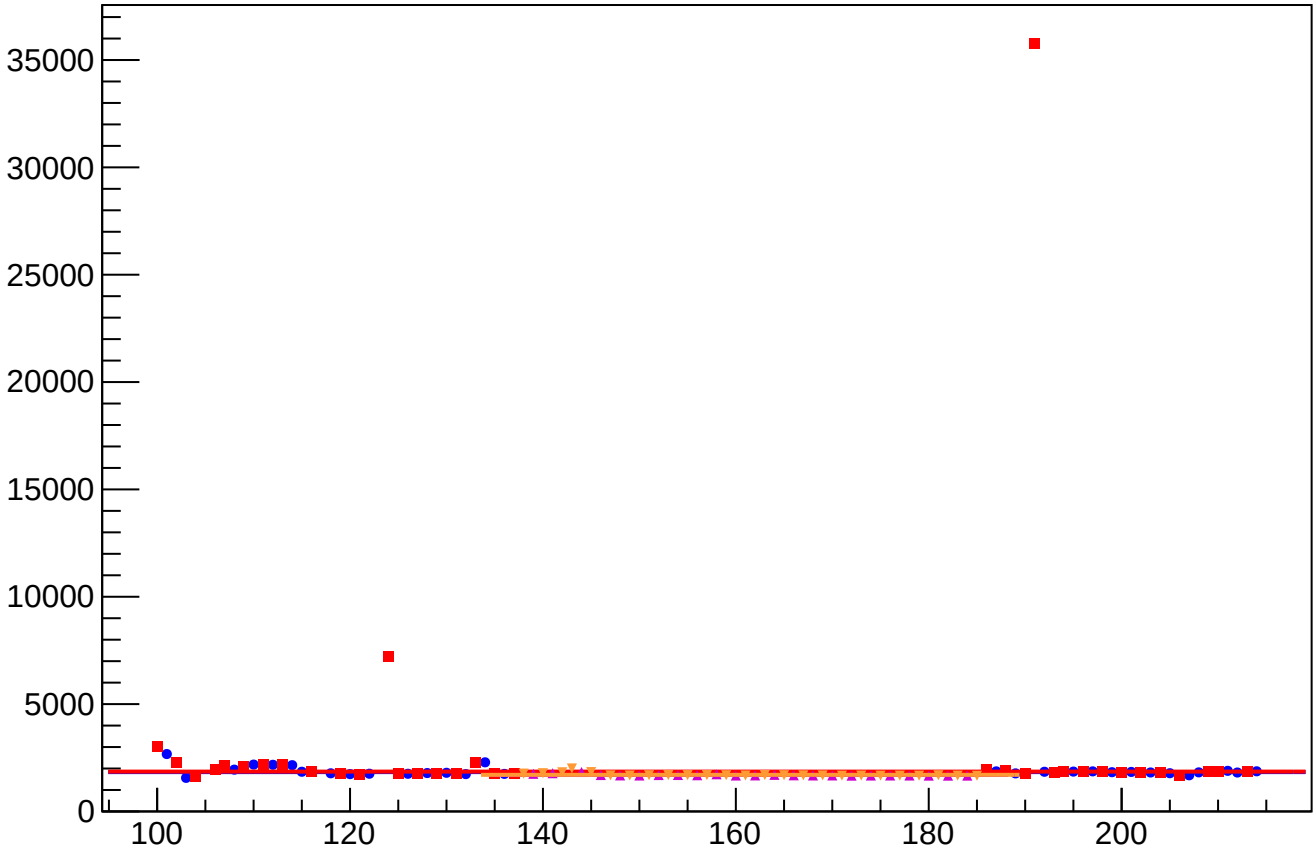
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -300.086+/-287.826 χ^2/NDF: 52.7/54

All: 51.677+/-205.028 χ^2/NDF: 113.8/111

- sign 414.039+/-292.130 χ^2/NDF: 58.2/56

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1832.742+/-0.304 χ^2/NDF: 281543.6/29

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.194+/-0.305 χ^2/NDF: 535903.8/33

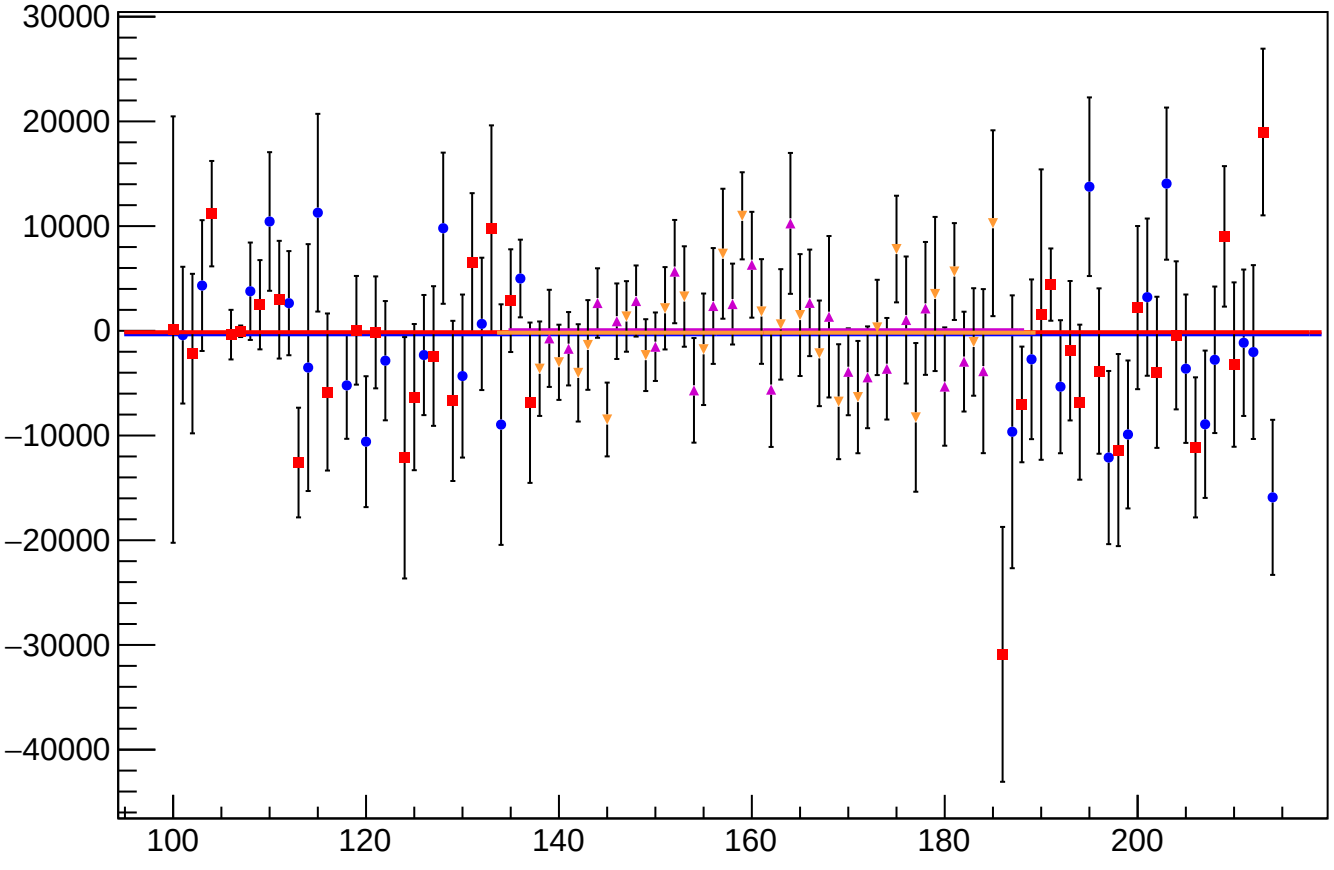
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1762.699+/-0.204 χ^2/NDF: 437967.1/54

All: 1766.348+/-0.145 χ^2/NDF: 1142242.7/11

- sign 1770.104+/-0.206 χ^2/NDF: 703623.3/56

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: -332.682+/-1203.955 χ^2/NDF: 33.0/29

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -131.630+/-485.637 χ^2/NDF: 41.1/33

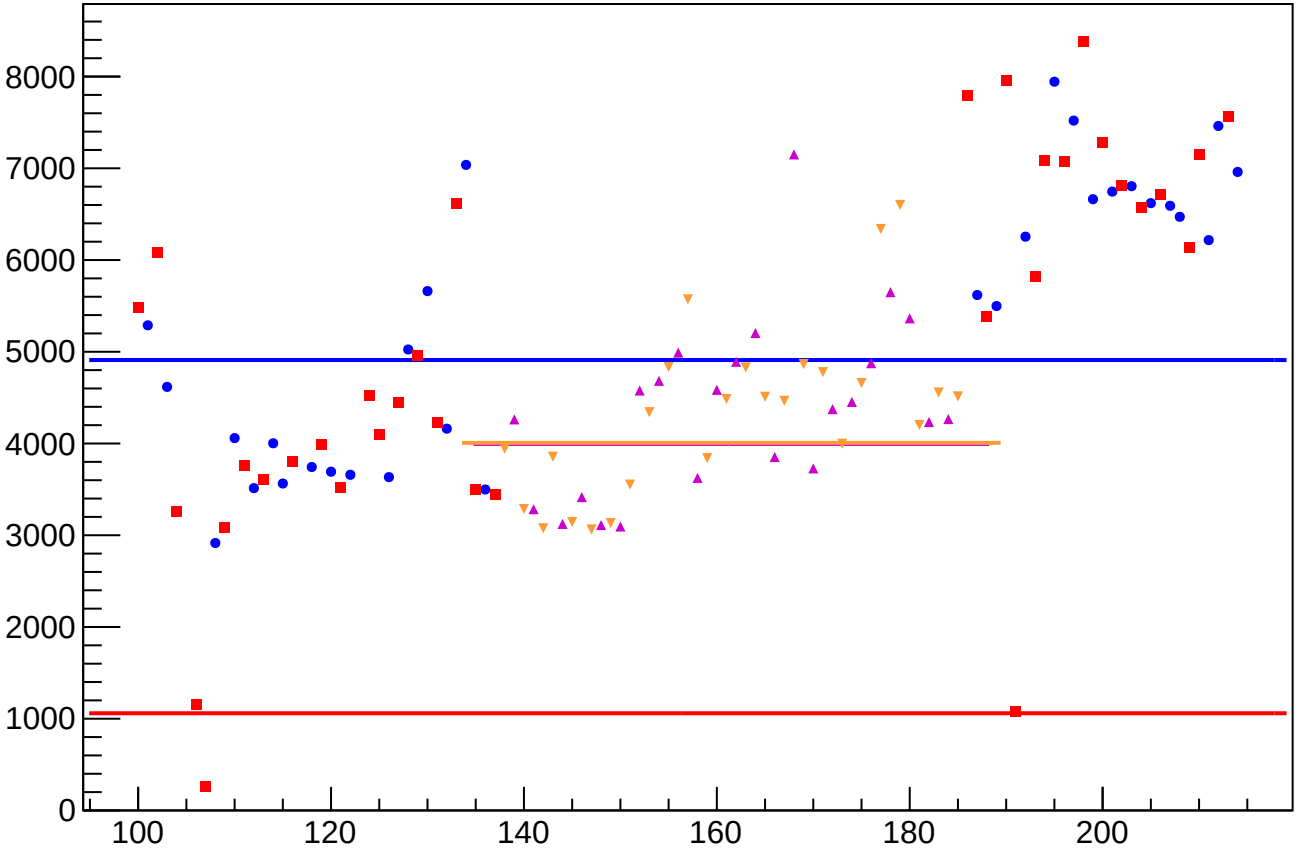
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign -234.818+/-738.533 χ^2/NDF: 61.0/54

All: -129.337+/-373.540 χ^2/NDF: 116.4/111

- sign -93.076+/-433.011 χ^2/NDF: 55.4/56

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4909.936+/-0.851 χ^2/NDF: 3084399.9/29

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

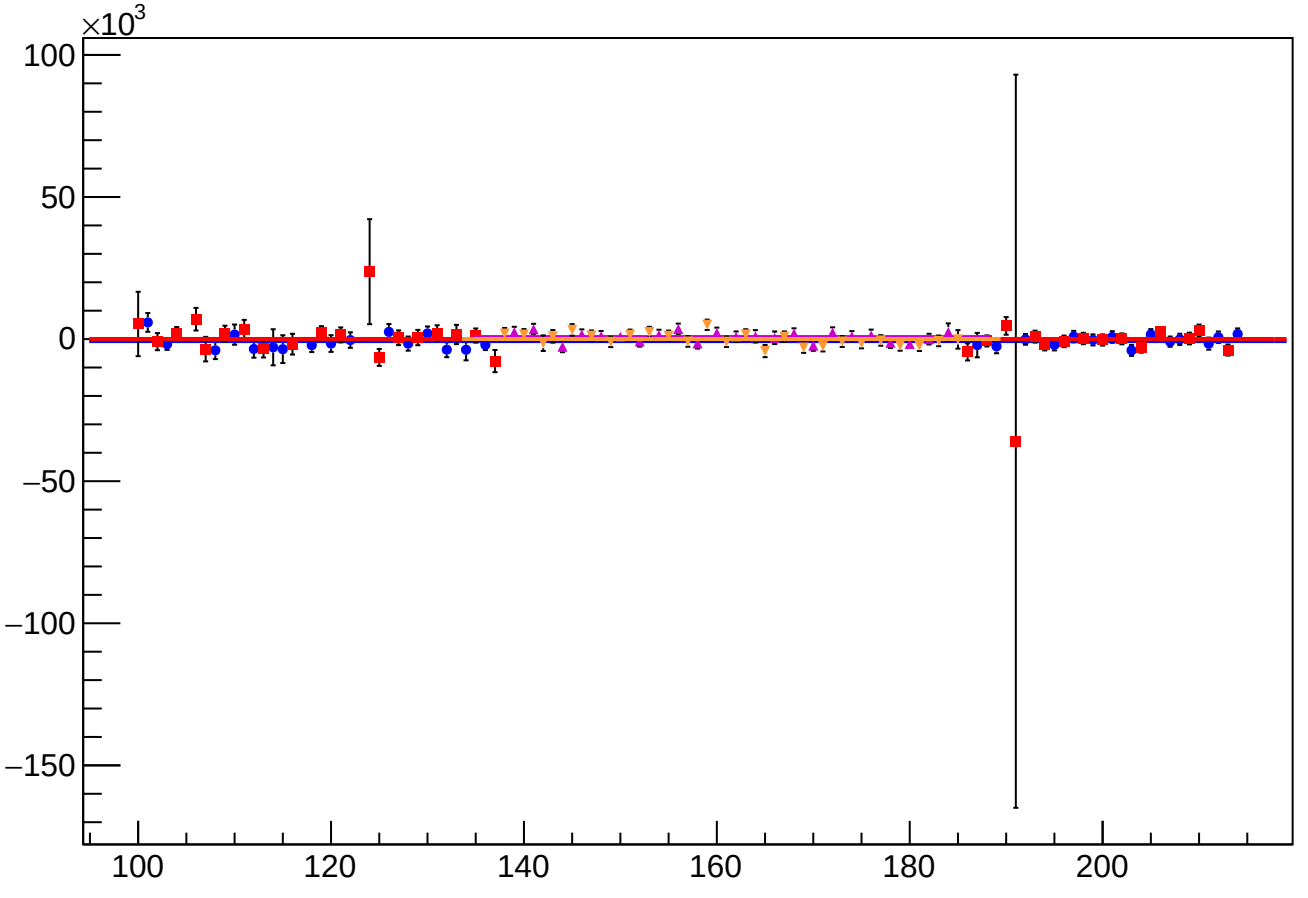
Right Out: 1059.620+/-0.343 χ^2/NDF: 27597217.5/33

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4346.762+/-0.522 χ^2/NDF: 5289710.7/54

All: 2348.320+/-0.264 χ^2/NDF: 69081790.5/1

- sign 1661.332+/-0.306 χ^2/NDF: 44113407.3/56



Right In: -696.641+/-429.569 χ^2/NDF: 21.6/29

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 51.287+/-432.121 χ^2/NDF: 37.8/33

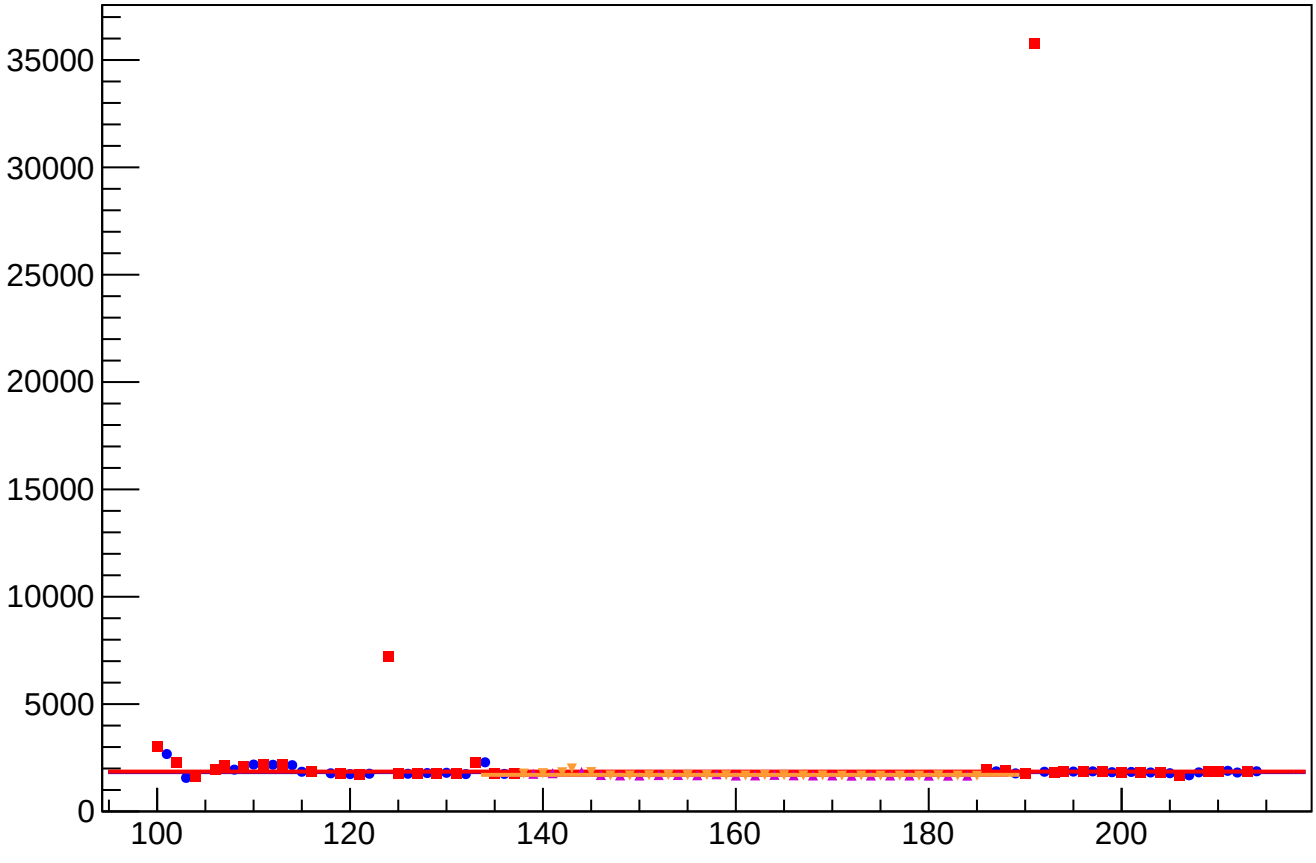
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -299.977+/-287.826 χ^2/NDF: 52.7/54

All: 51.734+/-205.028 χ^2/NDF: 113.9/111

- sign 414.044+/-292.130 χ^2/NDF: 58.2/56

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1832.743+/-0.304 χ^2/NDF: 281542.8/29

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.361+/-0.305 χ^2/NDF: 536245.2/33

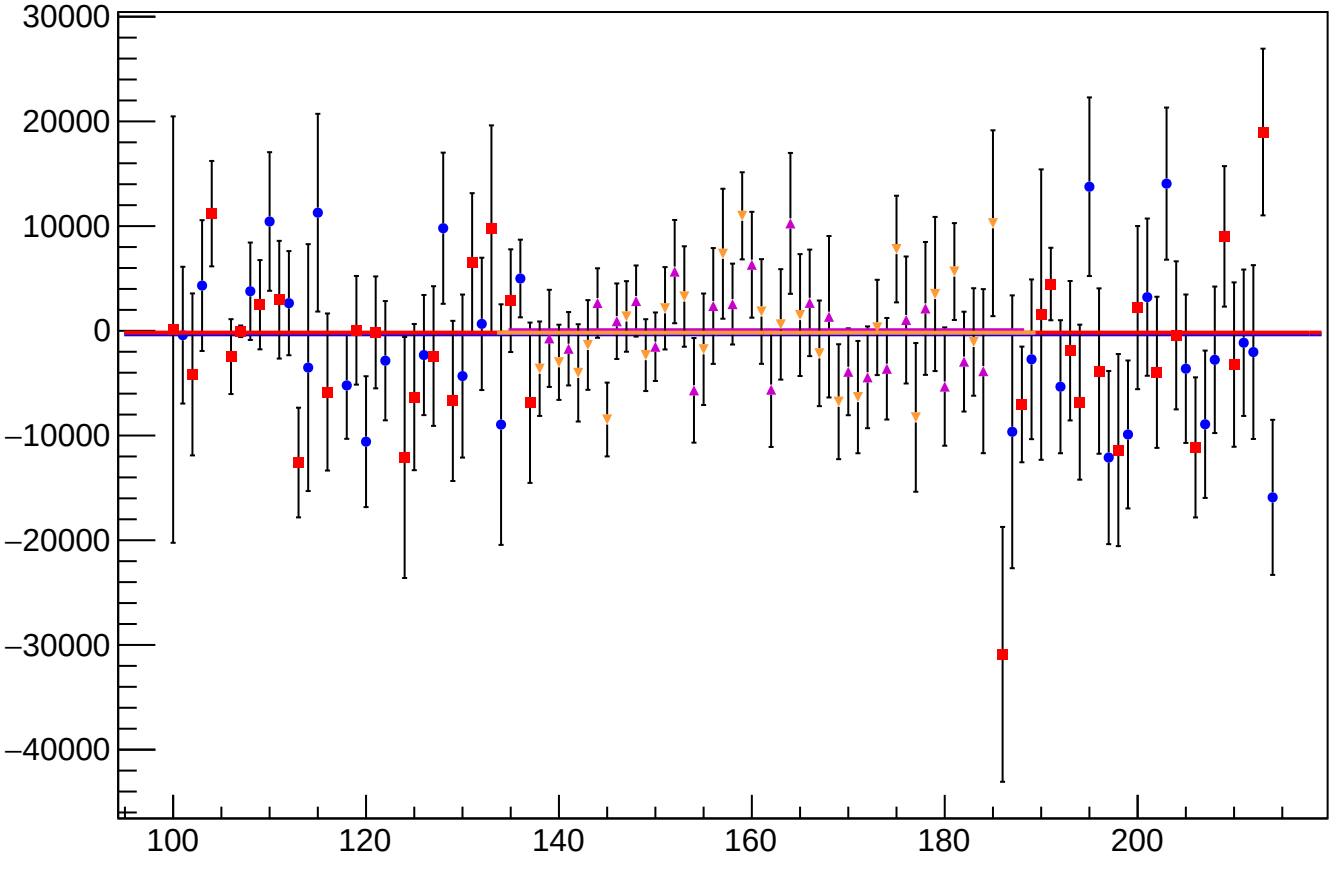
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1762.699+/-0.204 χ^2/NDF: 437966.5/54

All: 1766.382+/-0.145 χ^2/NDF: 1142889.8/11

- sign 1770.173+/-0.206 χ^2/NDF: 704258.8/56

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: -332.760+/-1203.958 χ^2/NDF: 33.0/29

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -172.277+/-491.500 χ^2/NDF: 41.8/33

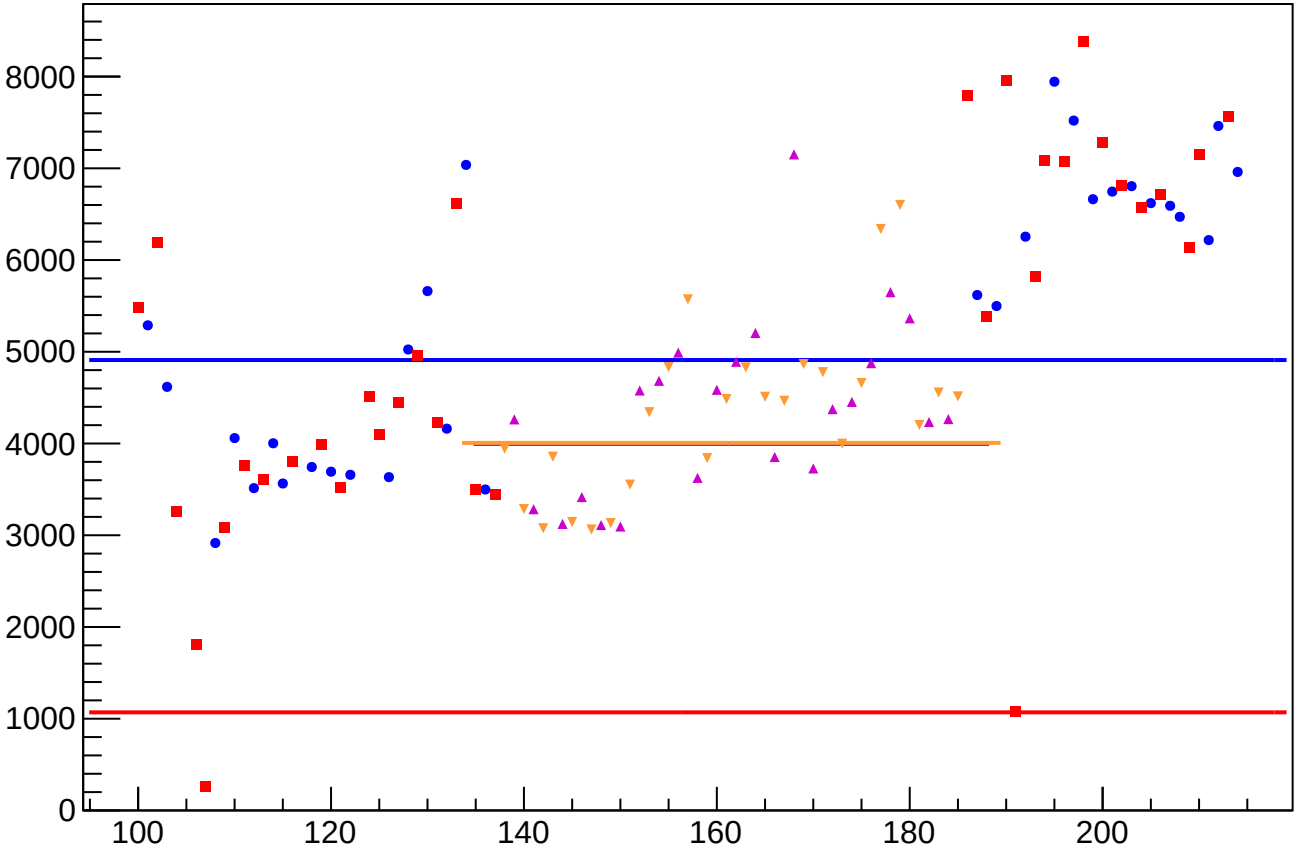
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -234.834+/-738.533 χ^2/NDF: 61.0/54

All: -153.131+/-376.189 χ^2/NDF: 117.1/111

- sign -124.505+/-437.151 χ^2/NDF: 56.1/56

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4909.946+/-0.851 χ^2/NDF: 3084400.3/29

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF: 27693086.1/33

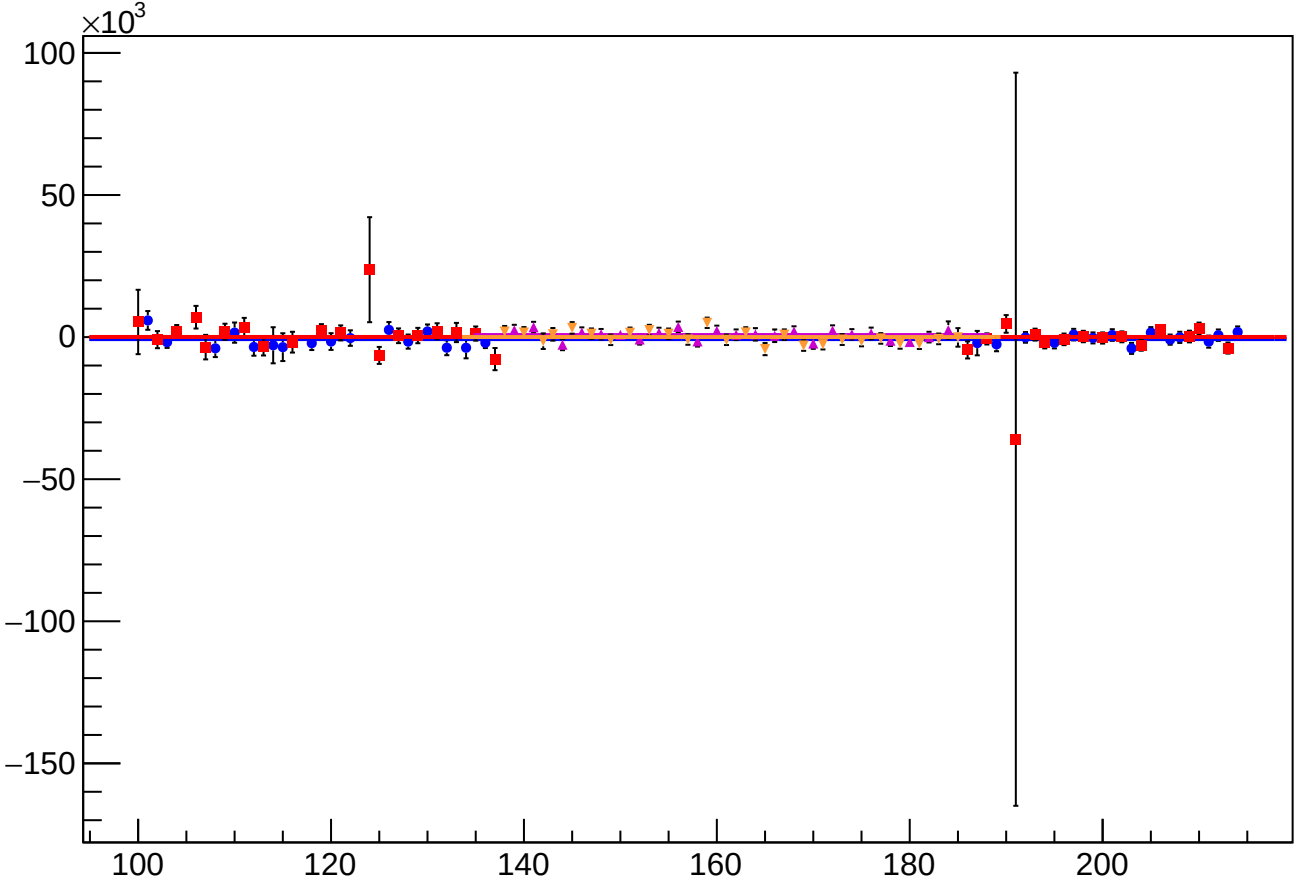
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4346.759+/-0.522 χ^2/NDF: 5289759.0/54

All: 2372.404+/-0.266 χ^2/NDF: 68626970.5/1

- sign 1680.654+/-0.309 χ^2/NDF: 44035616.5/56

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -696.641+/-429.569 χ^2/NDF: 21.6/29

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 51.287+/-432.121 χ^2/NDF: 37.8/33

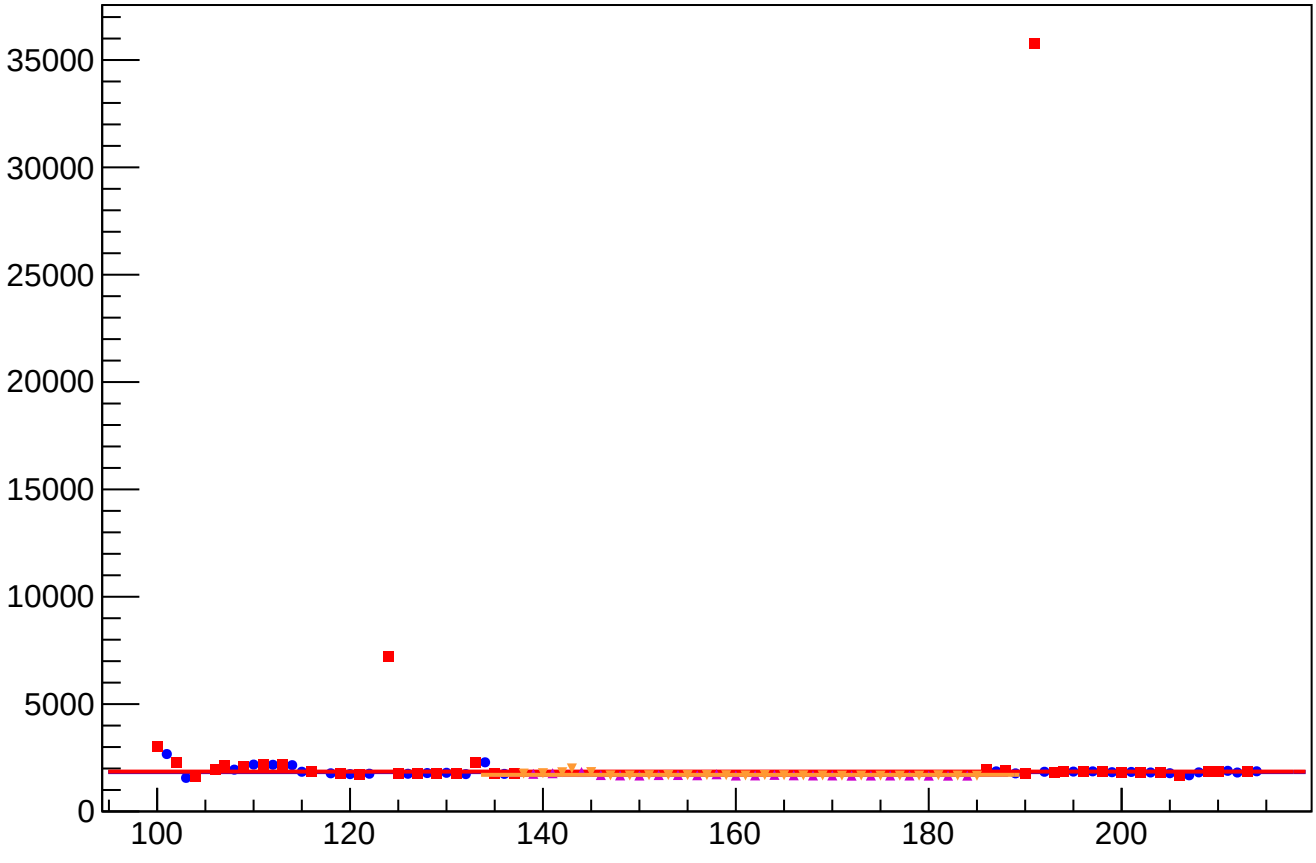
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -299.977+/-287.826 χ^2/NDF: 52.7/54

All: 51.734+/-205.028 χ^2/NDF: 113.9/111

- sign 414.044+/-292.130 χ^2/NDF: 58.2/56

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1832.743+/-0.304 χ^2/NDF: 281542.8/29

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.361+/-0.305 χ^2/NDF: 536245.2/33

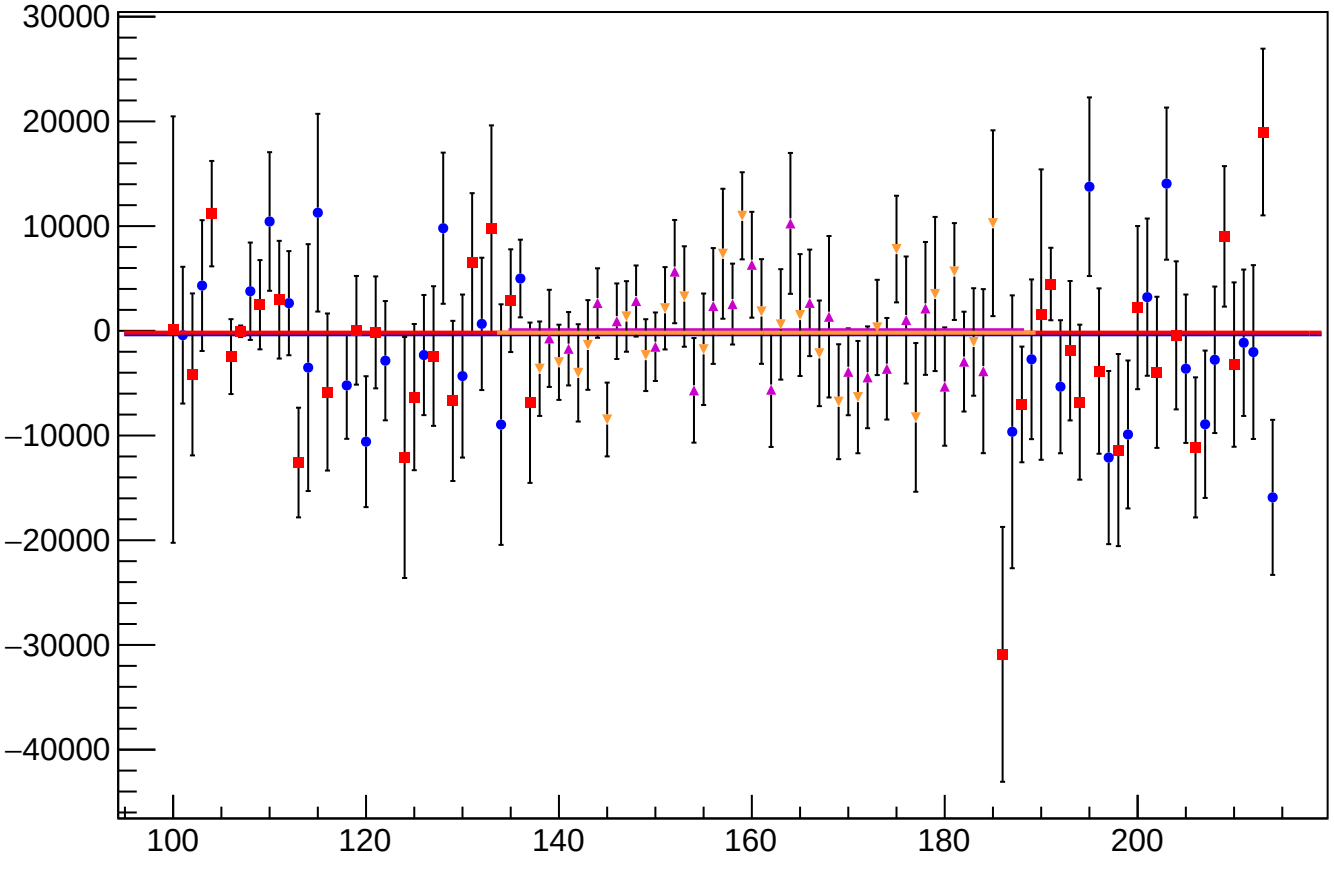
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1762.699+/-0.204 χ^2/NDF: 437966.5/54

All: 1766.382+/-0.145 χ^2/NDF: 1142889.8/11

- sign 1770.173+/-0.206 χ^2/NDF: 704258.8/56

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: -332.760+/-1203.958 χ^2/NDF: 33.0/29

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -172.277+/-491.500 χ^2/NDF: 41.8/33

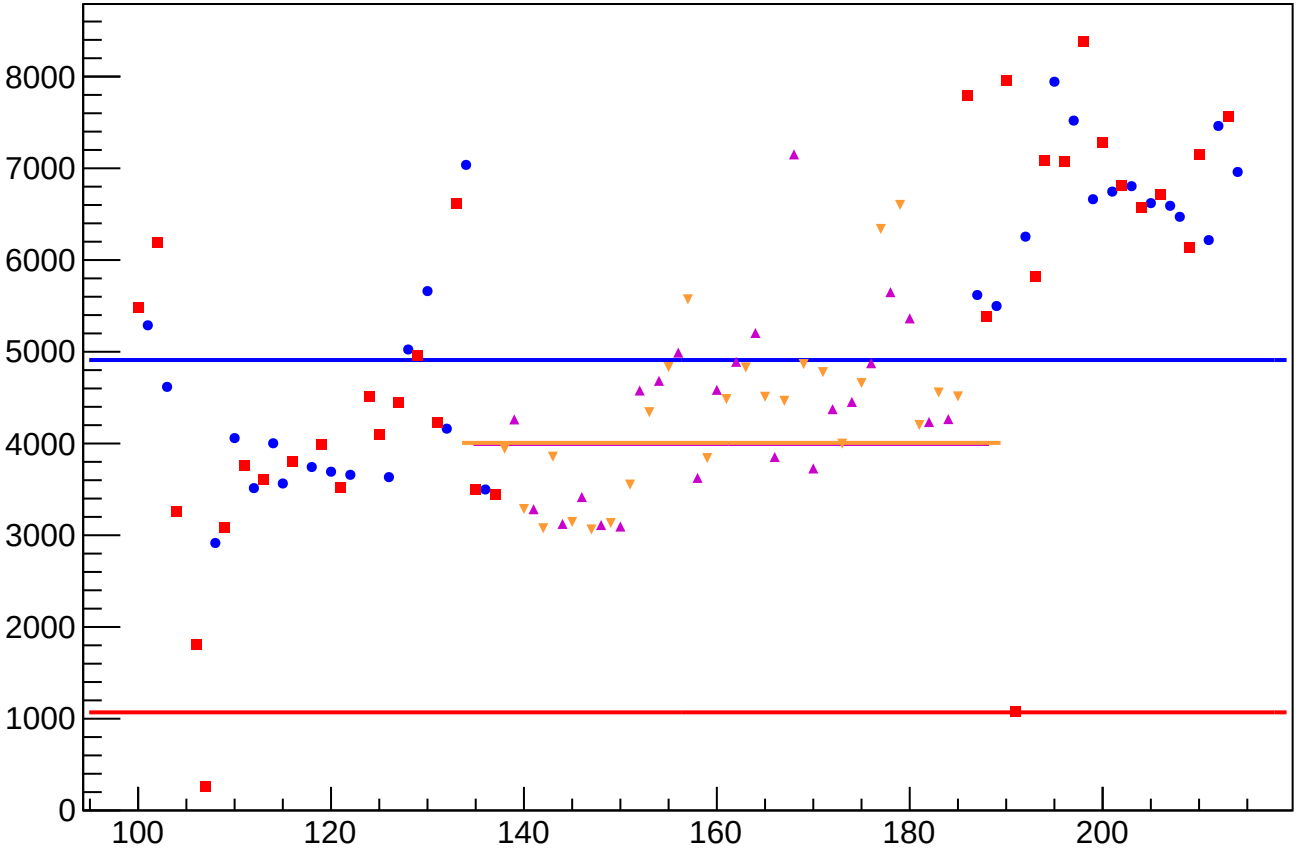
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -234.834+/-738.533 χ^2/NDF: 61.0/54

All: -153.131+/-376.189 χ^2/NDF: 117.1/111

- sign -124.505+/-437.151 χ^2/NDF: 56.1/56

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4909.946+/-0.851 χ^2/NDF: 3084400.3/29

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1069.427+/-0.348 χ^2/NDF: 27693086.1/33

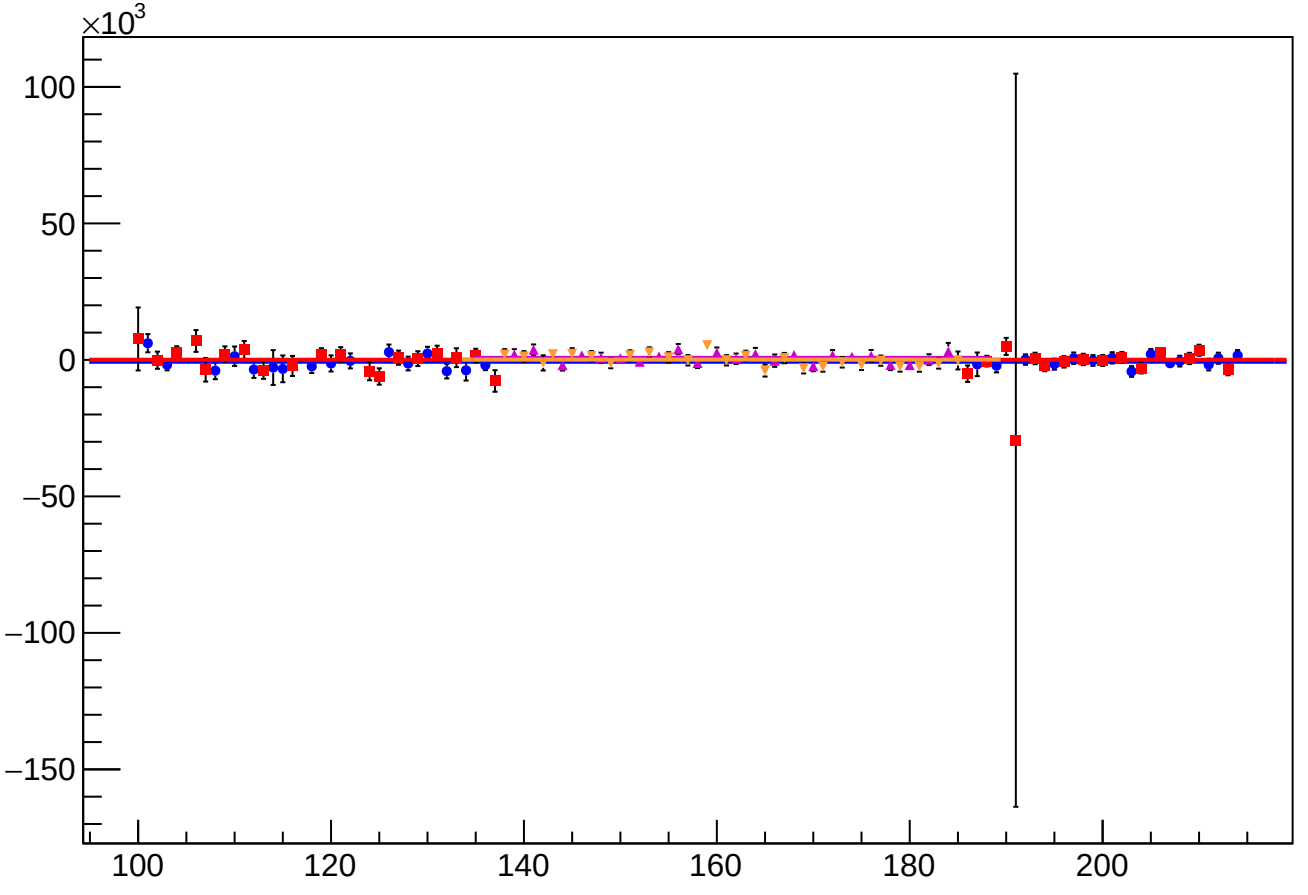
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4346.759+/-0.522 χ^2/NDF: 5289759.0/54

All: 2372.404+/-0.266 χ^2/NDF: 68626970.5/1

- sign 1680.654+/-0.309 χ^2/NDF: 44035616.5/56

dit_asym_atl1r2_dd_mean vs Slug



Right In: -676.419+/-433.873 χ^2/NDF: 22.6/29

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 63.331+/-433.869 χ^2/NDF: 39.3/33

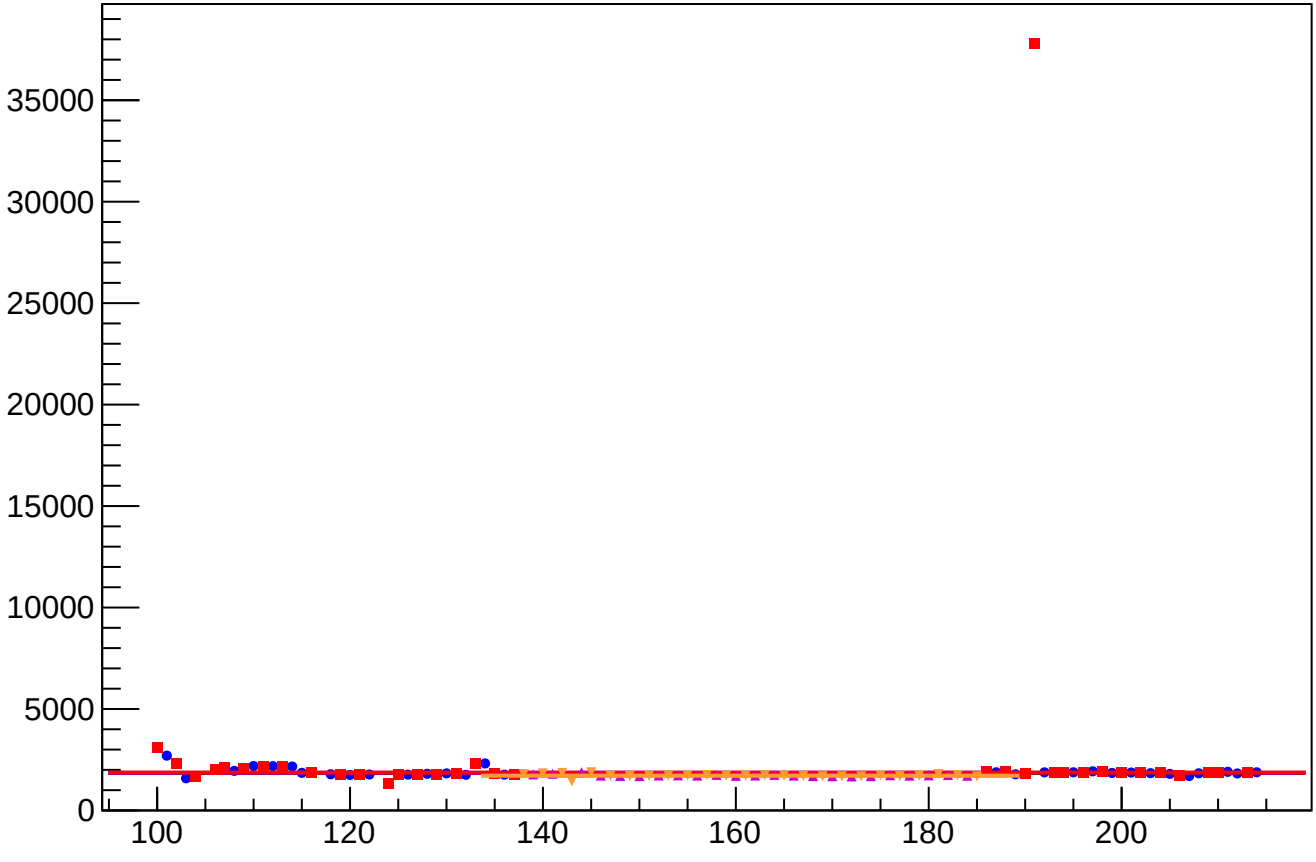
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -235.394+/-289.823 χ^2/NDF: 54.2/54

All: 88.760+/-206.993 χ^2/NDF: 116.4/111

- sign 426.261+/-295.730 χ^2/NDF: 59.6/56

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.920+/-0.307 χ^2/NDF: 281099.6/29

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.388+/-0.307 χ^2/NDF: 430589.7/33

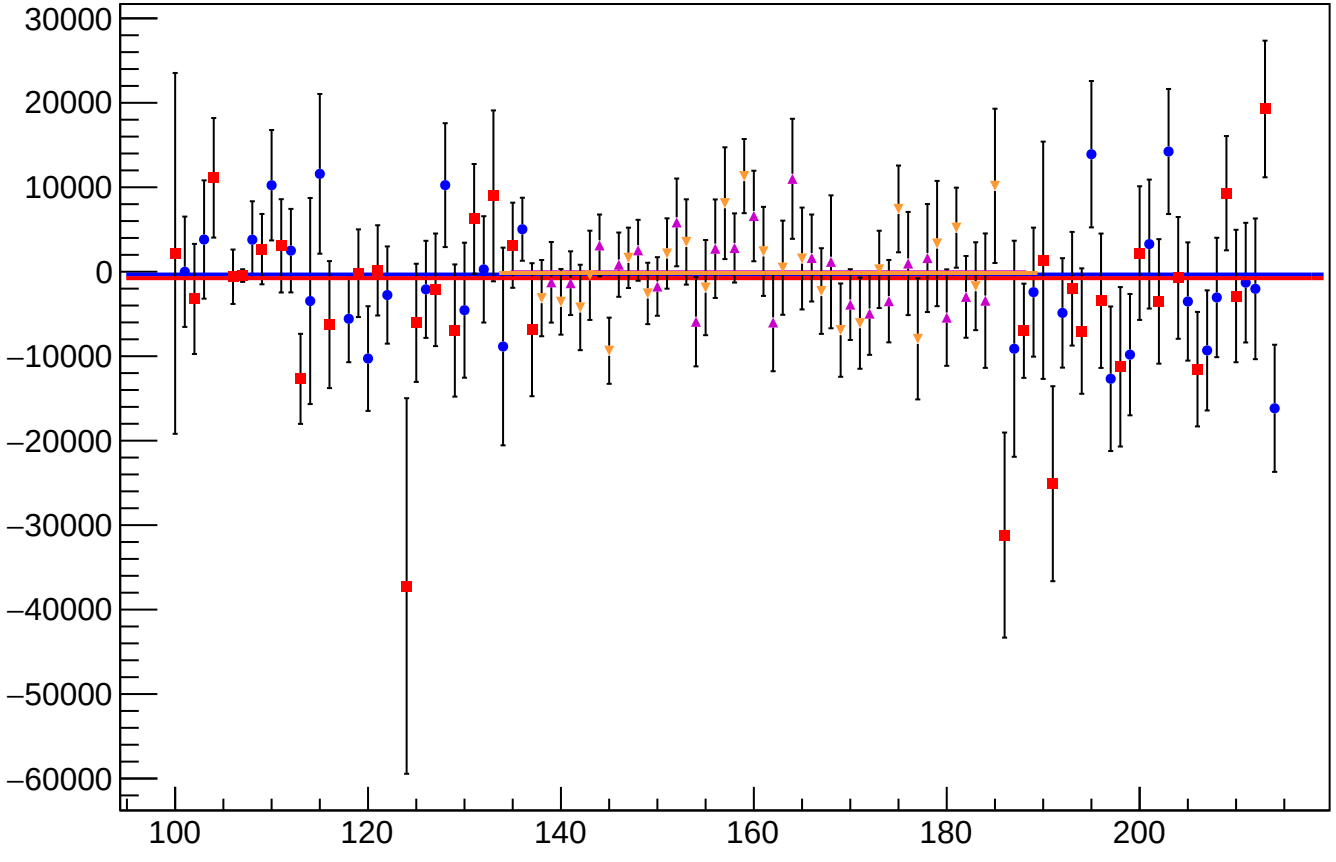
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1774.159+/-0.205 χ^2/NDF: 488540.7/54

All: 1783.442+/-0.146 χ^2/NDF: 1050173.4/11

- sign 1793.105+/-0.209 χ^2/NDF: 557445.0/56

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: -331.533+/-1214.209 χ^2/NDF: 32.7/29

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -763.682+/-625.781 χ^2/NDF: 42.4/33

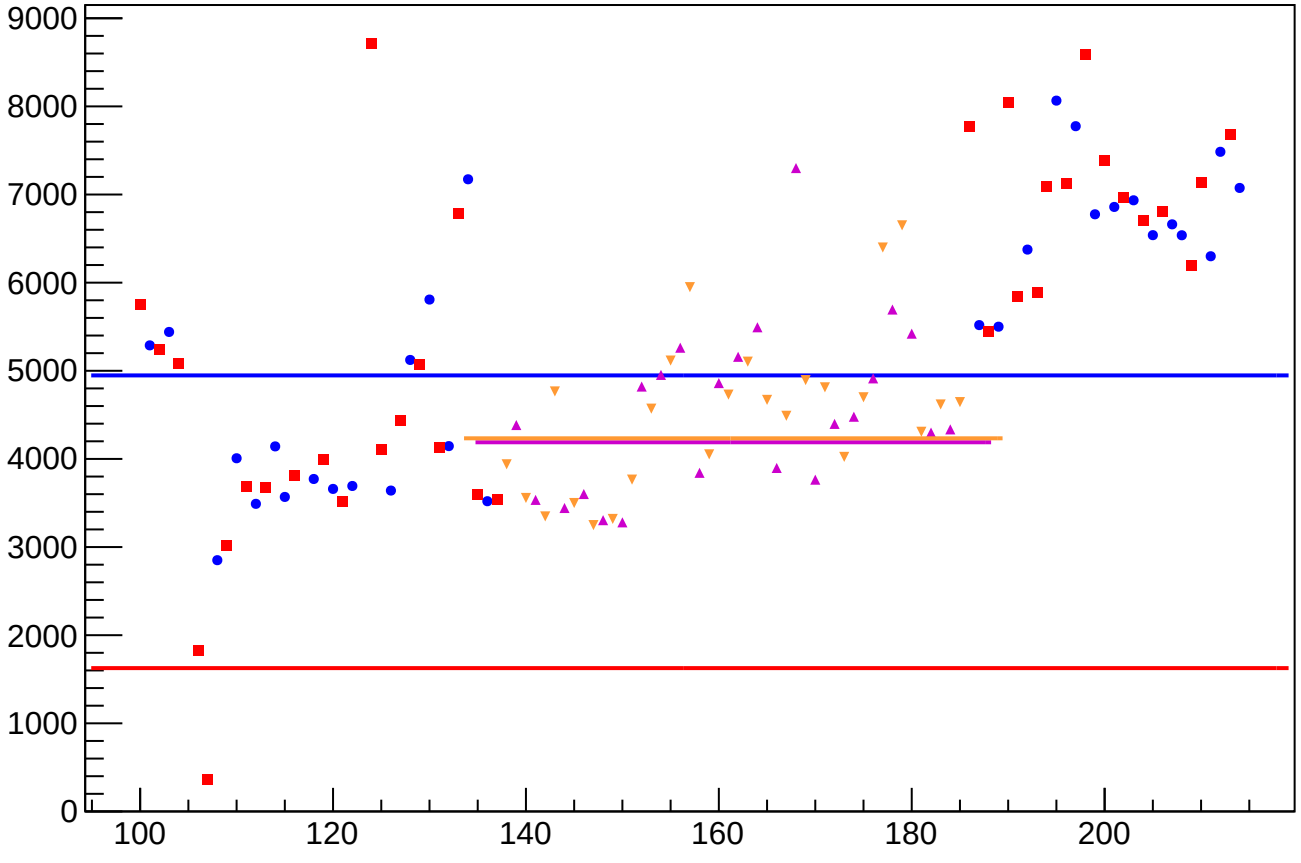
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

\+ sign -222.150+/-764.941 χ^2/NDF: 59.6/54

All: -455.107+/-435.921 χ^2/NDF: 116.5/111

\- sign -567.148+/-530.491 χ^2/NDF: 56.8/56

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4947.584+/-0.859 χ^2/NDF: 3244015.2/29

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

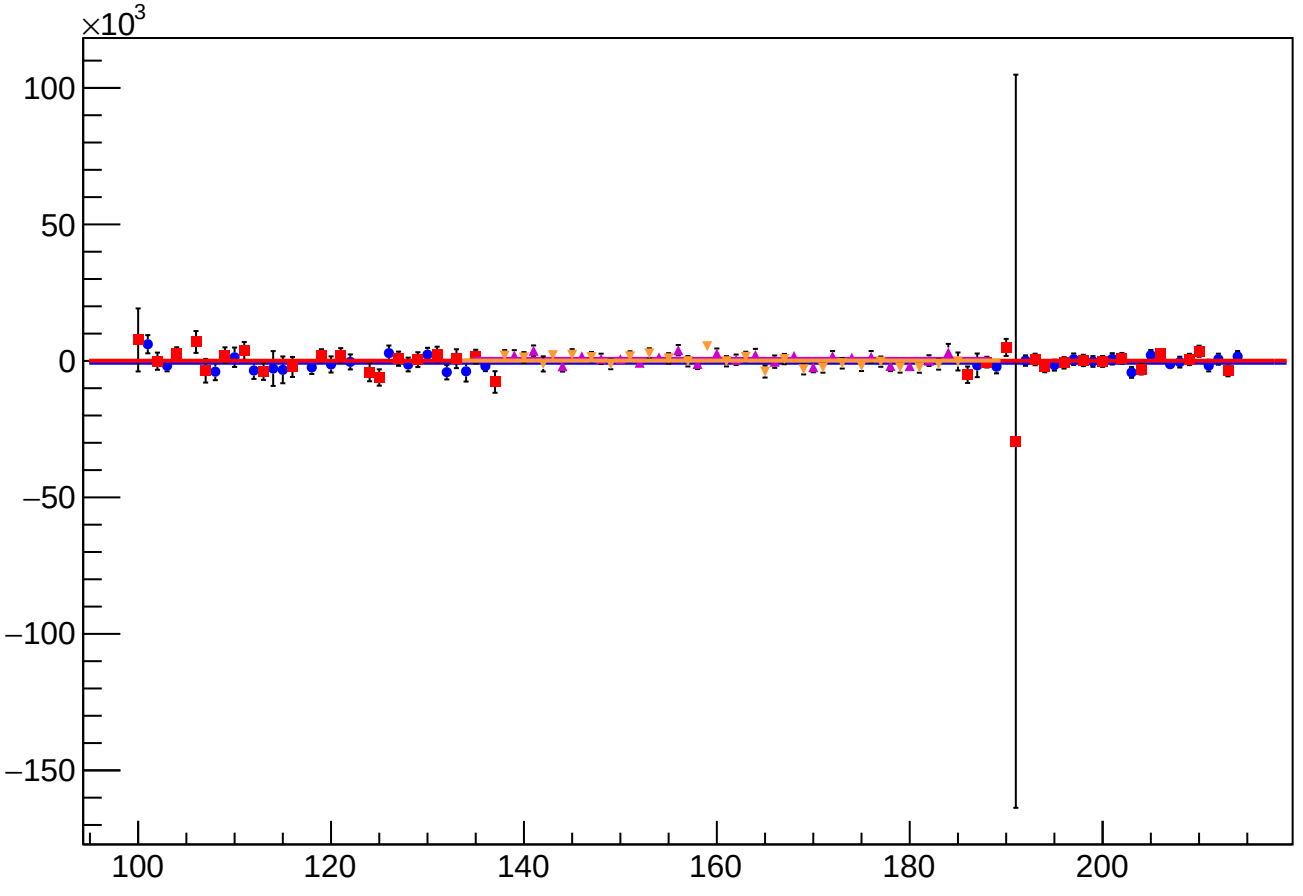
Right Out: 1626.442+/-0.442 χ^2/NDF: 24307925.9/33

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4517.157+/-0.541 χ^2/NDF: 4945520.8/54

All: 3052.052+/-0.308 χ^2/NDF: 50898848.5/1

- sign 2347.410+/-0.375 χ^2/NDF: 35087771.8/56



Right In: -676.418+/-433.873 χ^2/NDF: 22.6/29

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 63.332+/-433.869 χ^2/NDF: 39.3/33

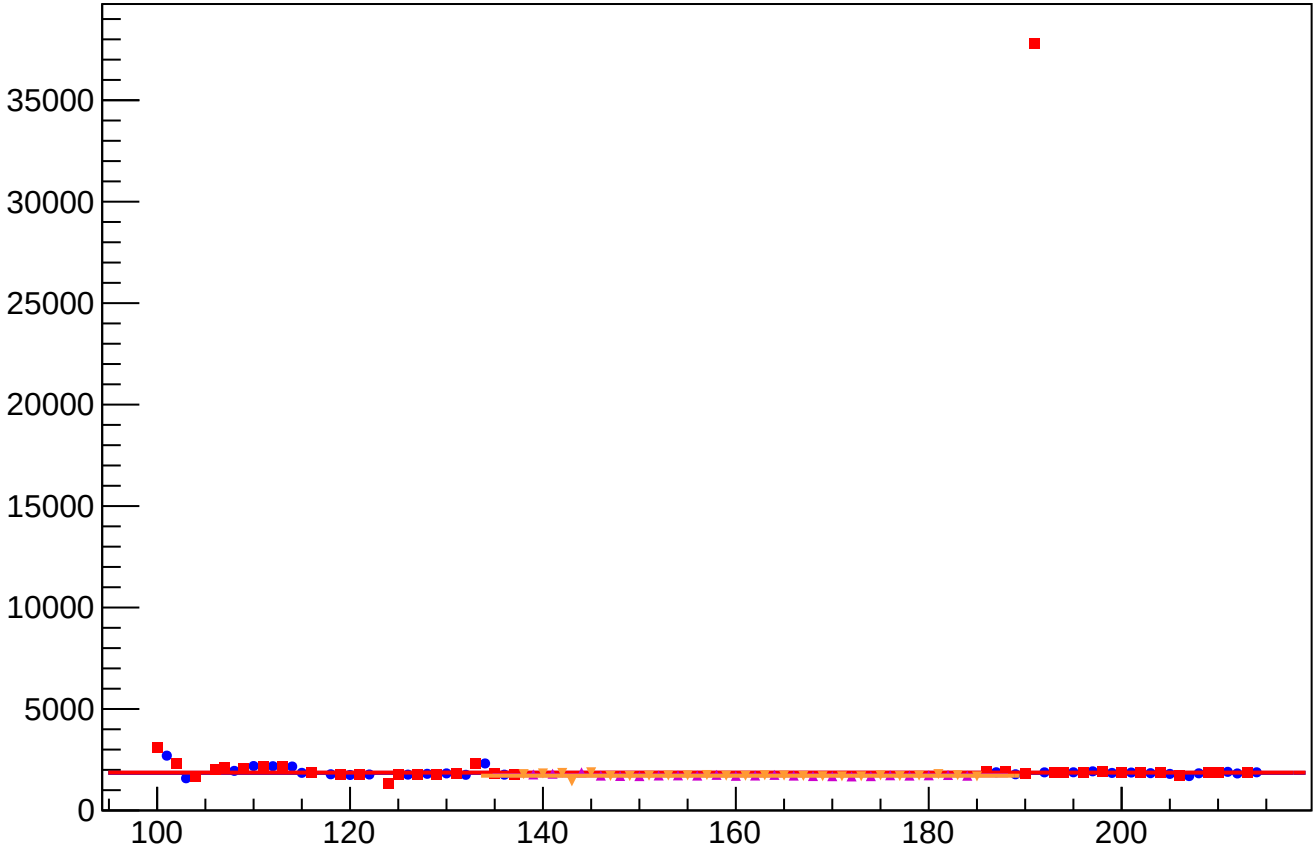
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -235.392+/-289.823 χ^2/NDF: 54.2/54

All: 88.760+/-206.993 χ^2/NDF: 116.4/111

- sign 426.261+/-295.730 χ^2/NDF: 59.6/56

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.920+/-0.307 χ^2/NDF: 281099.5/29

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

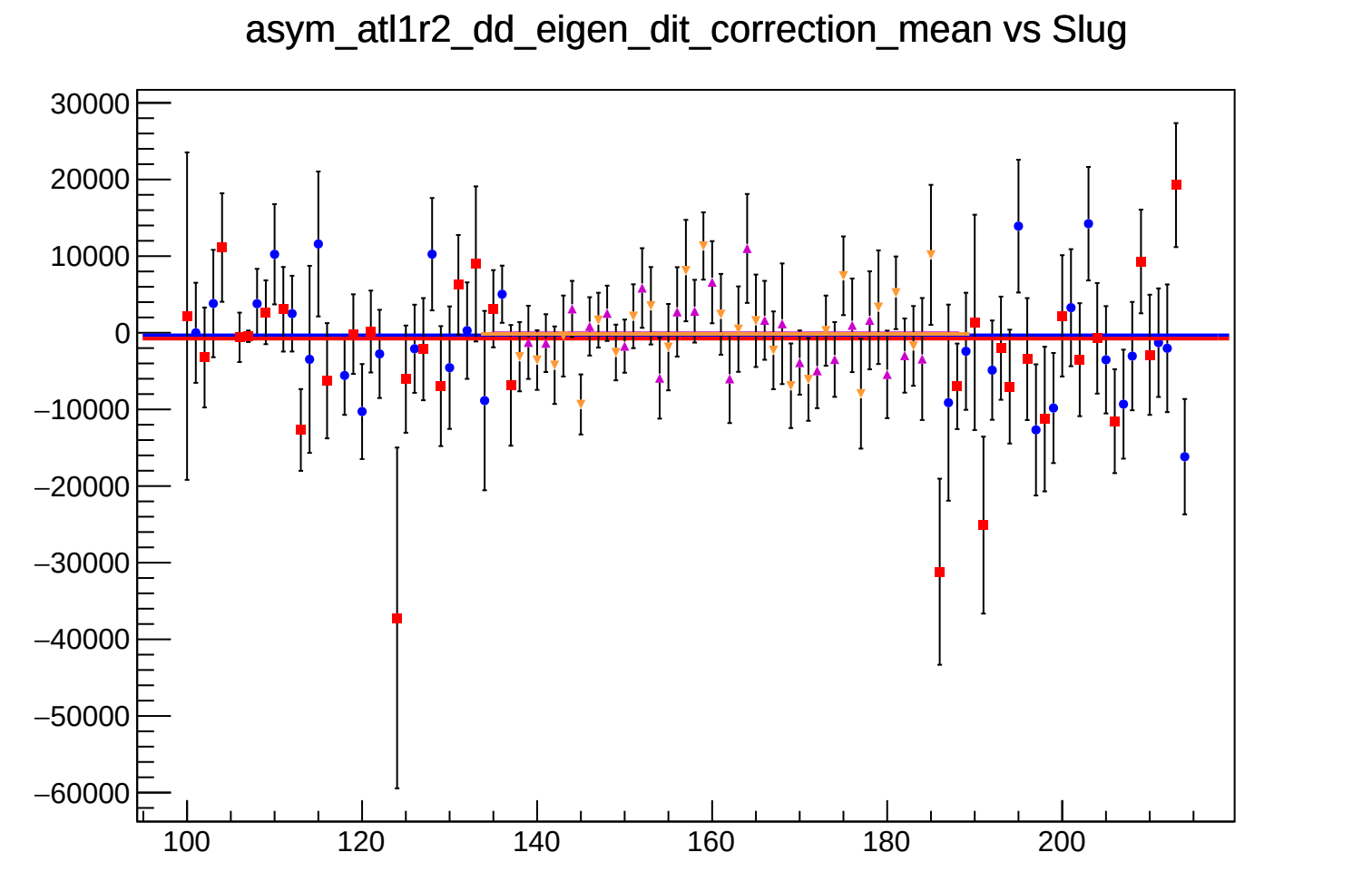
Right Out: 1865.389+/-0.307 χ^2/NDF: 430590.0/33

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1774.159+/-0.205 χ^2/NDF: 488538.7/54

All: 1783.443+/-0.146 χ^2/NDF: 1050171.0/11

- sign 1793.105+/-0.209 χ^2/NDF: 557444.6/56



Right In: -331.542+/-1214.208 χ^2/NDF: 32.7/29

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -763.696+/-625.790 χ^2/NDF: 42.4/33

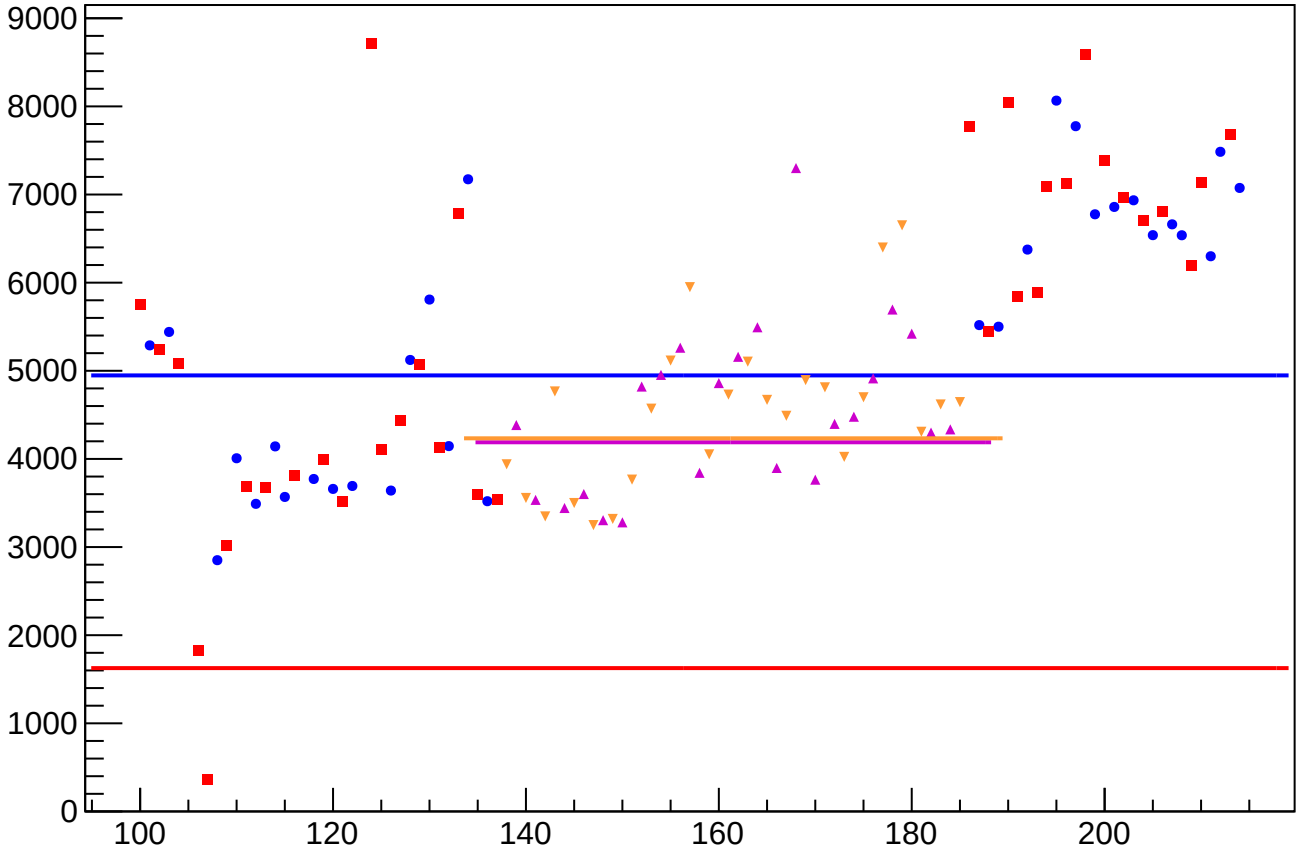
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -222.154+/-764.941 χ^2/NDF: 59.6/54

All: -455.111+/-435.924 χ^2/NDF: 116.5/111

- sign -567.155+/-530.497 χ^2/NDF: 56.8/56

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4947.580+/-0.859 χ^2/NDF: 3244040.0/29

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

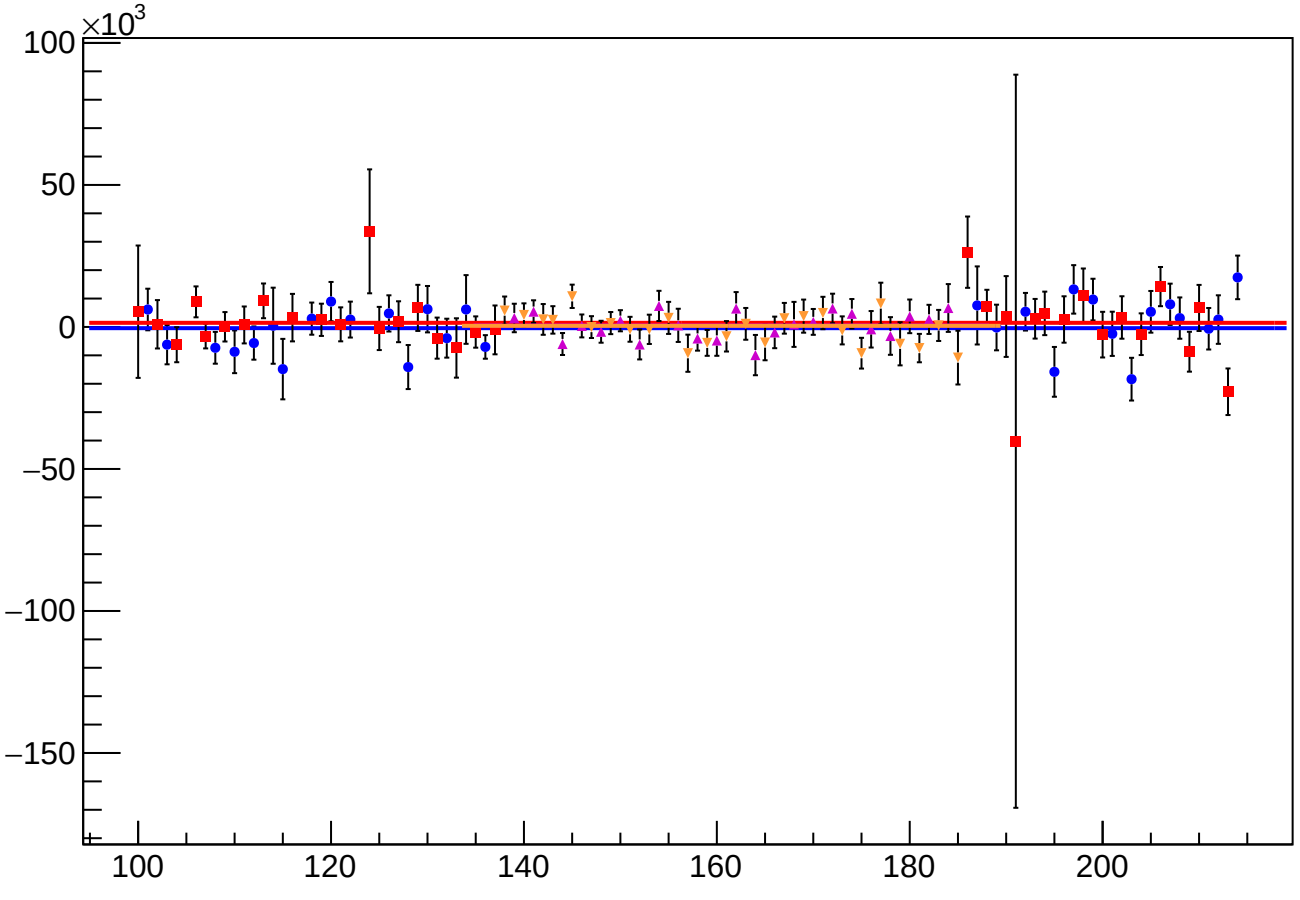
Right Out: 1626.486+/-0.443 χ^2/NDF: 24307605.0/33

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4517.159+/-0.541 χ^2/NDF: 4945536.0/54

All: 3052.095+/-0.308 χ^2/NDF: 50897636.4/1

- sign 2347.457+/-0.375 χ^2/NDF: 35087078.7/56



Right In: -430.911+/-1311.691 χ^2/NDF: 39.0/29

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 1453.314+/-1244.845 χ^2/NDF: 32.4/33

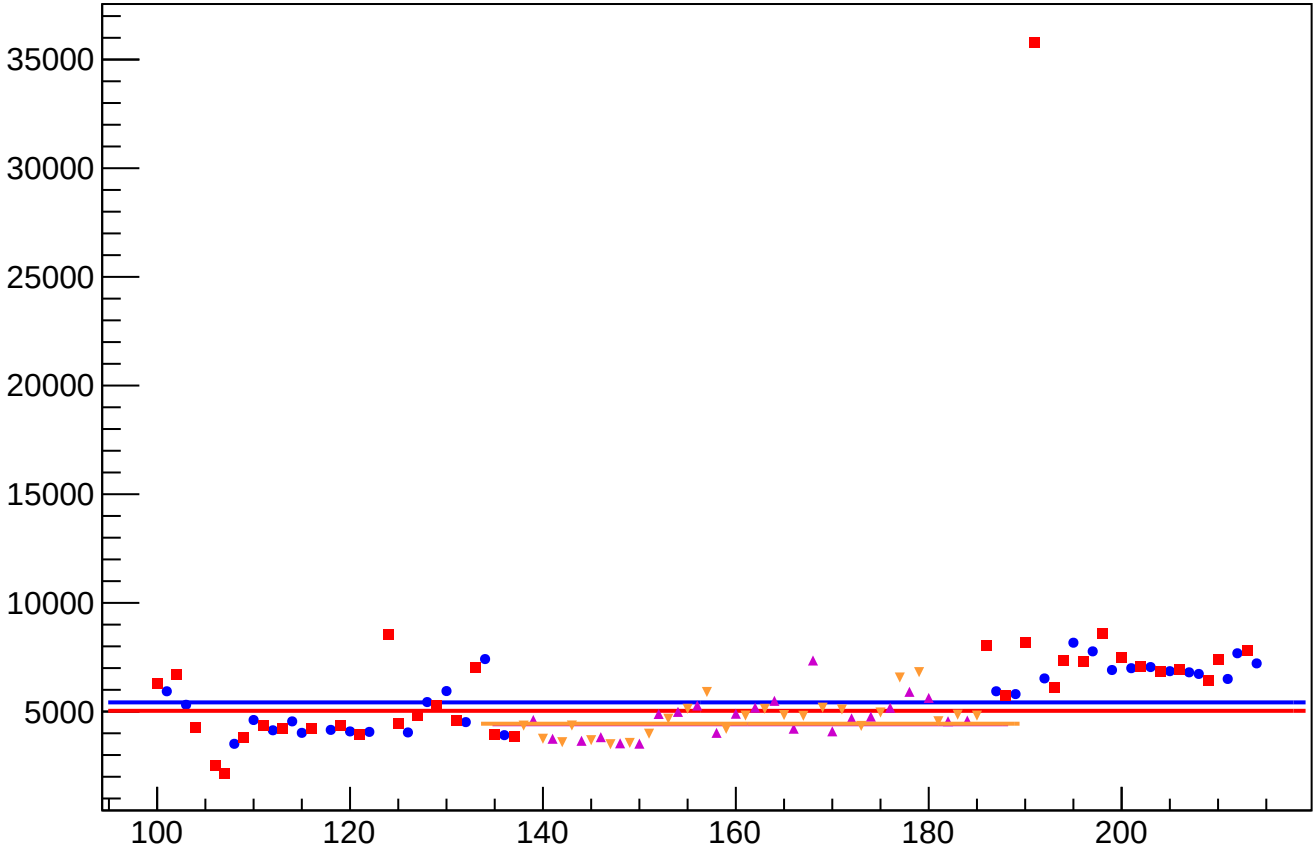
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign 82.639+/-809.328 χ^2/NDF: 64.0/54

All: 493.741+/-569.842 χ^2/NDF: 114.5/111

- sign 897.907+/-802.471 χ^2/NDF: 50.0/56

asym_atl1r2_dd_rms vs Slug



Right In: 5422.007+/-0.928 χ^2/NDF: 2302016.9/29

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5033.576+/-0.875 χ^2/NDF: 4189781.7/33

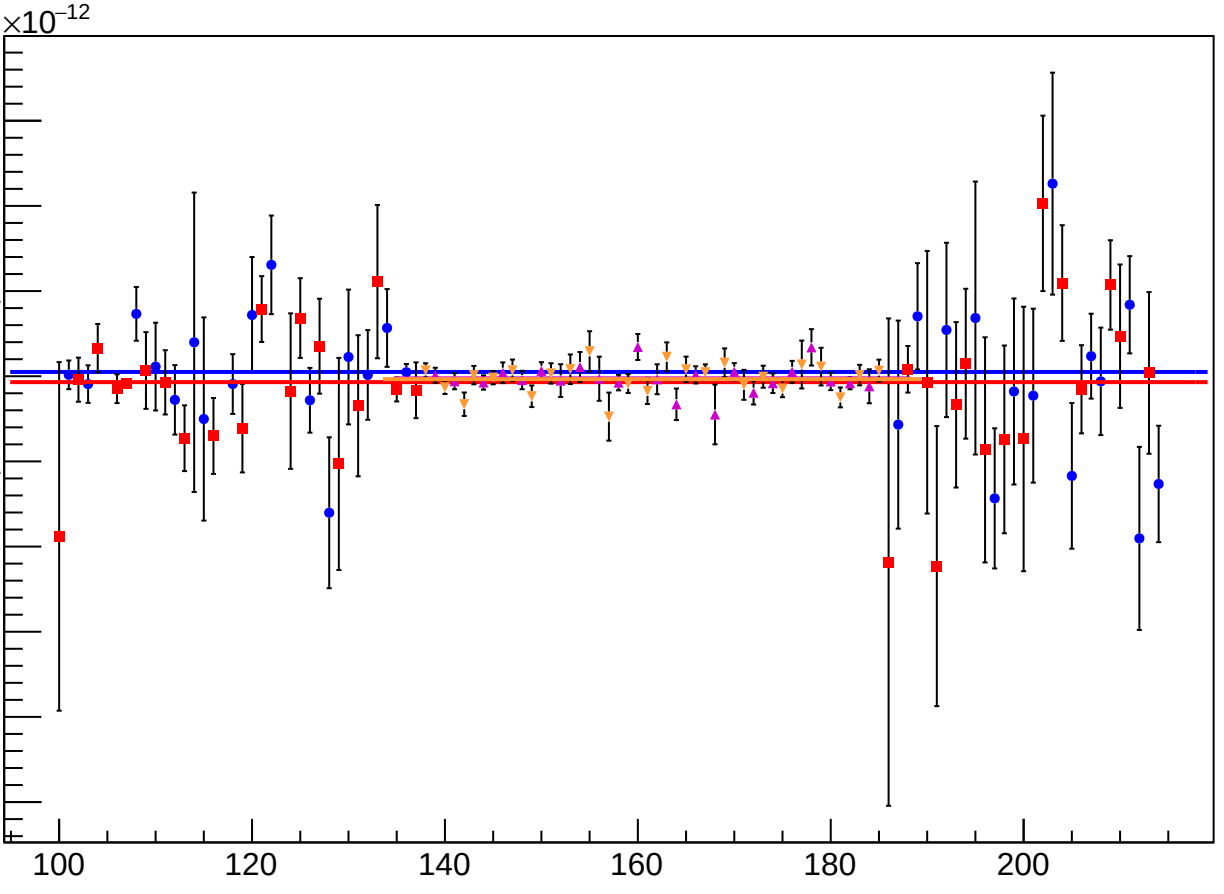
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4814.355+/-0.572 χ^2/NDF: 4068208.6/54

All: 4743.499+/-0.402 χ^2/NDF: 9690186.8/11

- sign 4674.214+/-0.566 χ^2/NDF: 5591658.8/56

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 36.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

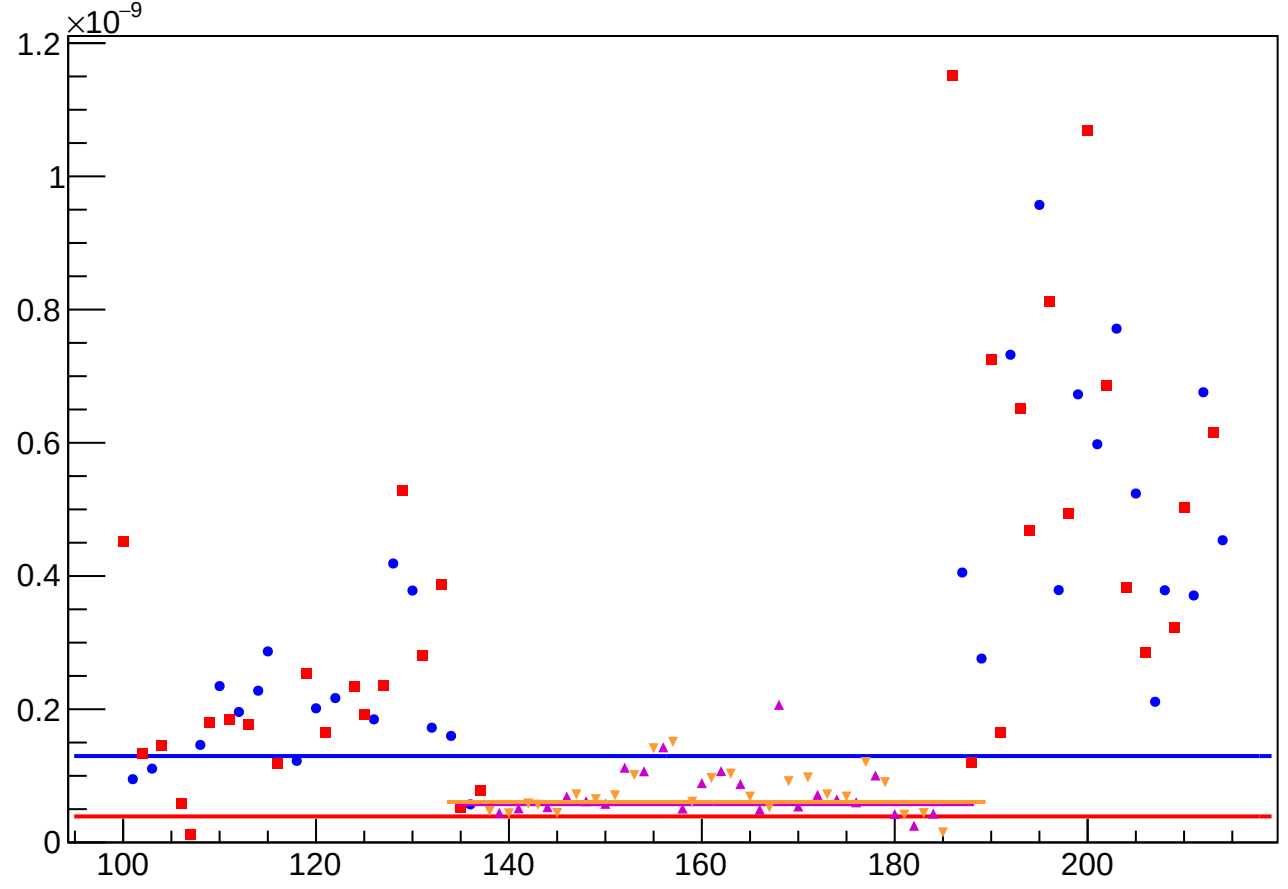
Right Out: -0.000+/-0.000 χ^2/NDF: 36.0/33

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/54

All: -0.000+/-0.000 χ^2/NDF: 123.4/111

- sign -0.000+/-0.000 χ^2/NDF: 56.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 7088616.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12269791.7/33

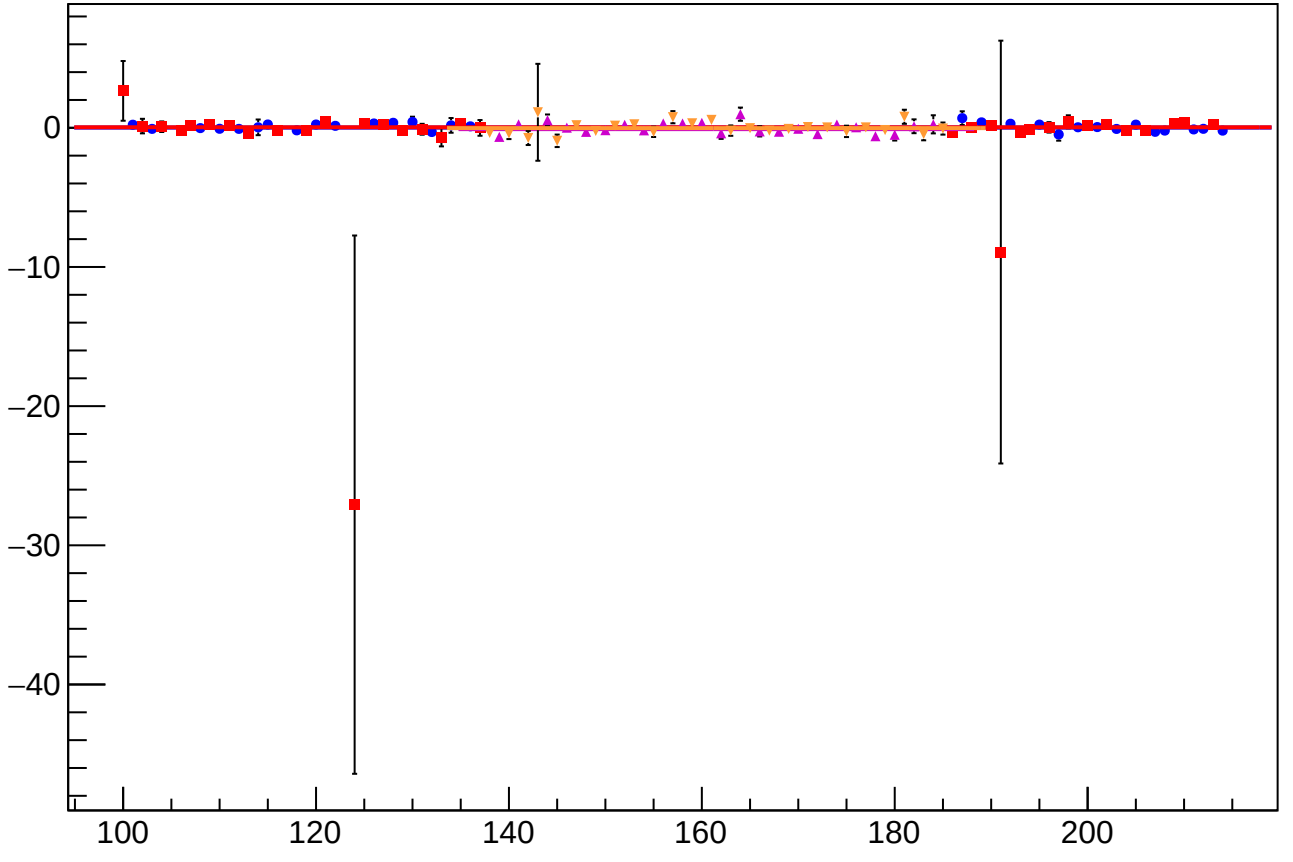
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10788536.0/54

All: 0.000+/-0.000 χ^2/NDF: 26100381.8/111

- sign 0.000+/-0.000 χ^2/NDF: 14551931.1/56

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.047 χ^2/NDF: 22.1/29

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.038+/-0.043 χ^2/NDF: 36.2/33

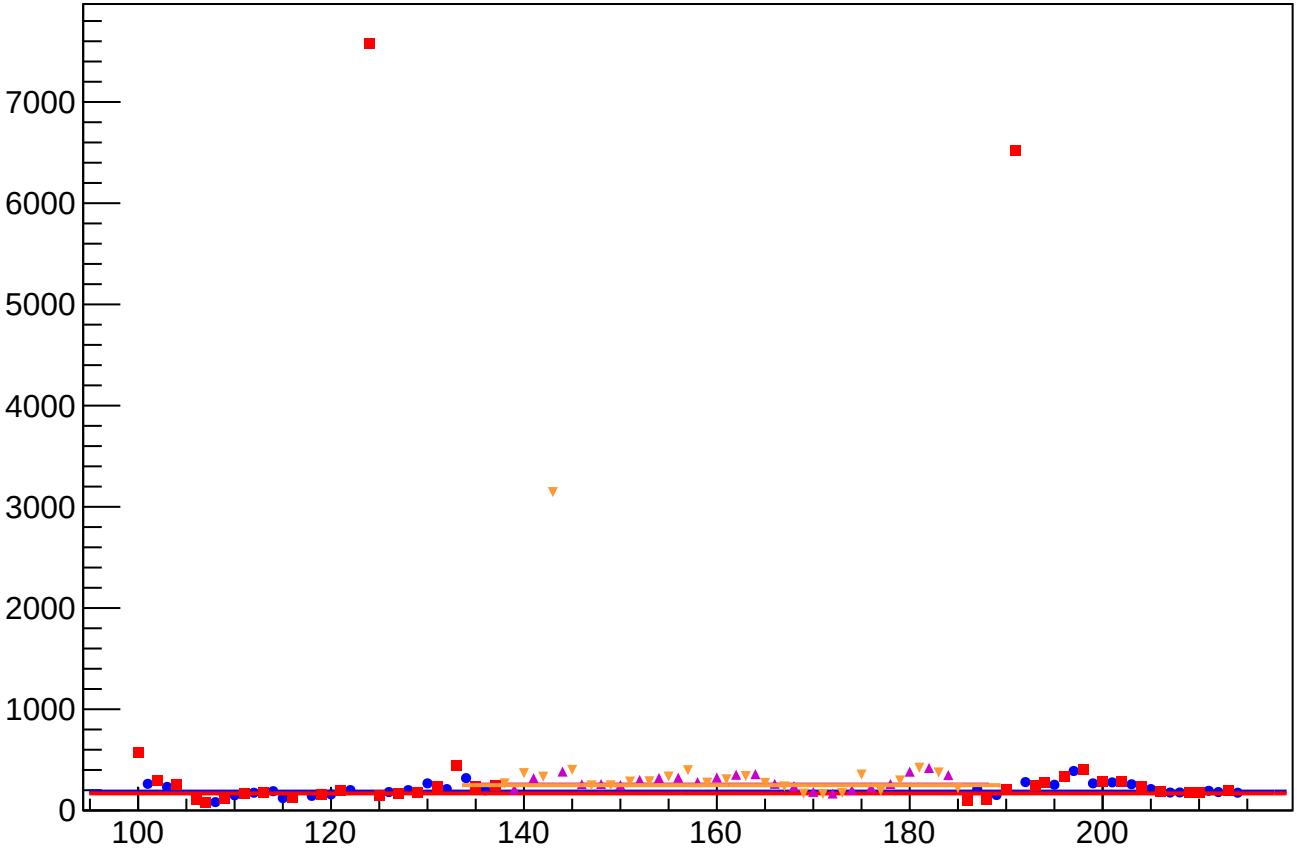
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.001+/-0.037 χ^2/NDF: 45.9/54

All: -0.002+/-0.026 χ^2/NDF: 116.6/111

- sign -0.005+/-0.036 χ^2/NDF: 70.7/56

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 186.363+/-0.033 χ^2/NDF: 2978680.7/29

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 168.504+/-0.031 χ^2/NDF: 5346738.0/33

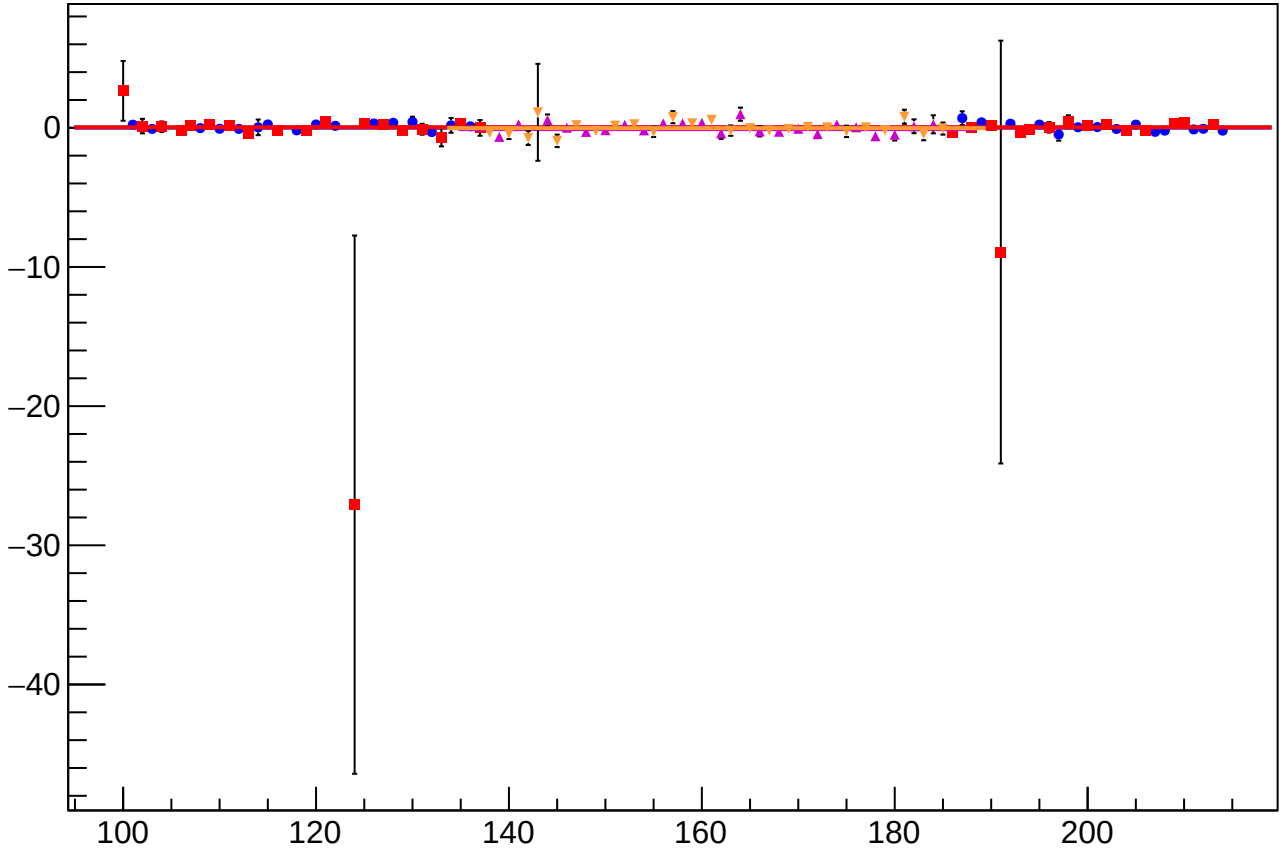
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.426+/-0.026 χ^2/NDF: 8564926.7/54

All: 202.730+/-0.018 χ^2/NDF: 18719648.5/11

- sign 196.512+/-0.025 χ^2/NDF: 10029335.2/56

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.047 χ^2/NDF: 22.1/29

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.038+/-0.043 χ^2/NDF: 36.2/33

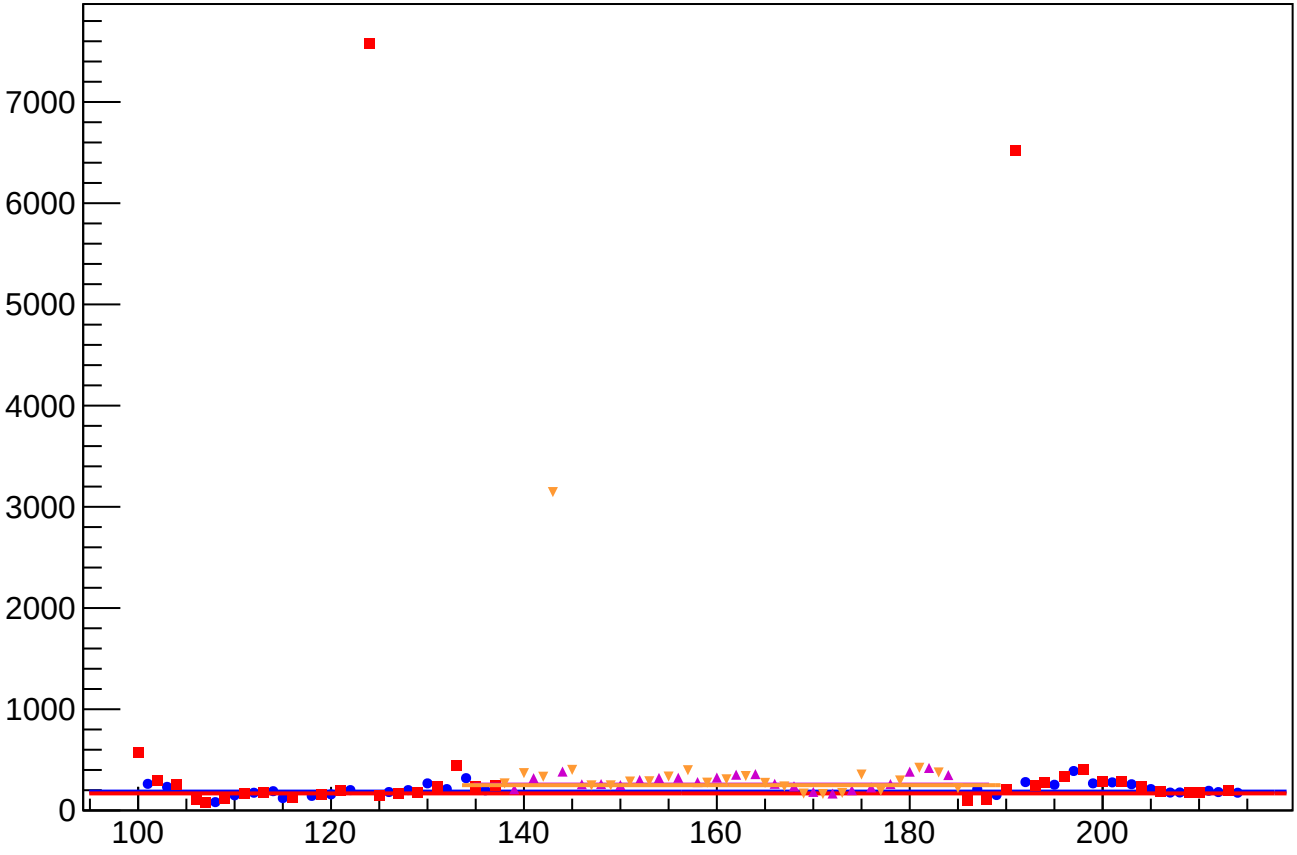
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.001+/-0.037 χ^2/NDF: 45.9/54

All: -0.002+/-0.026 χ^2/NDF: 116.6/111

- sign -0.005+/-0.036 χ^2/NDF: 70.7/56

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 186.363+/-0.033 χ^2/NDF: 2978680.7/29

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

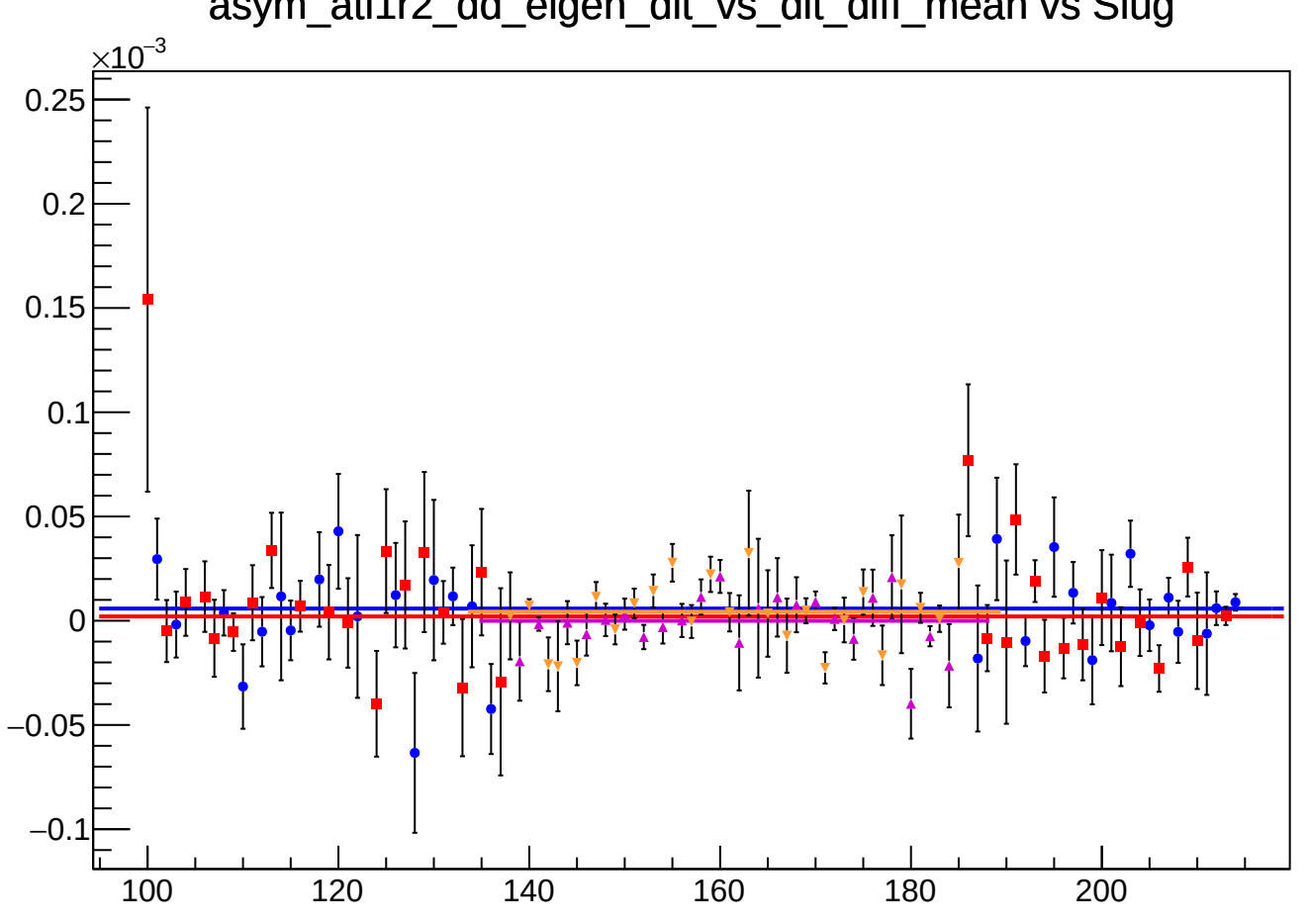
Right Out: 168.504+/-0.031 χ^2/NDF: 5346738.0/33

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 209.426+/-0.026 χ^2/NDF: 8564926.7/54

All: 202.730+/-0.018 χ^2/NDF: 18719648.5/11

- sign 196.512+/-0.025 χ^2/NDF: 10029335.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

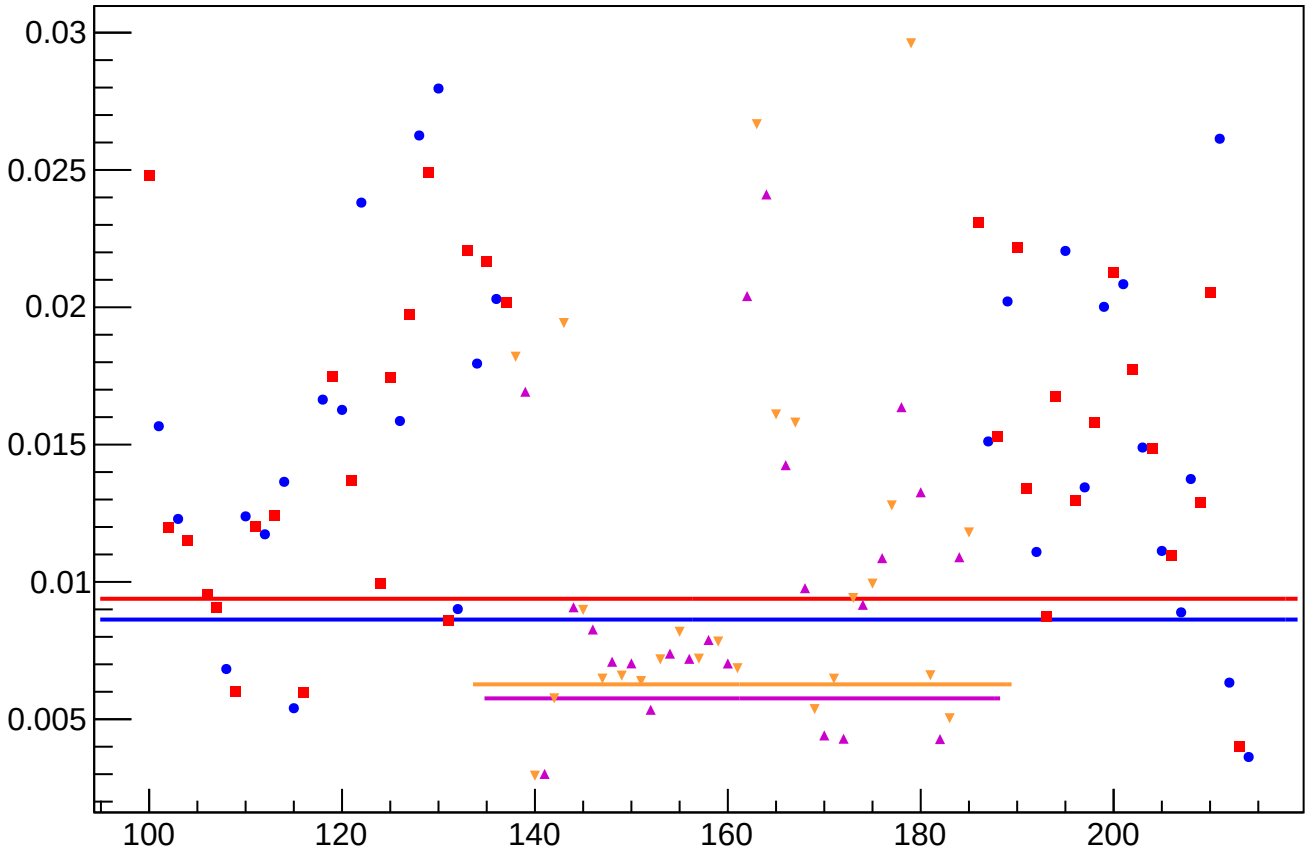
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/33

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.7/54

All: 0.000+/-0.000 χ^2/NDF: 146.2/111

- sign 0.000+/-0.000 χ^2/NDF: 66.7/56



Right In: 0.009+/-0.000 χ^2/NDF: 10407923.8/29

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8893295.8/33

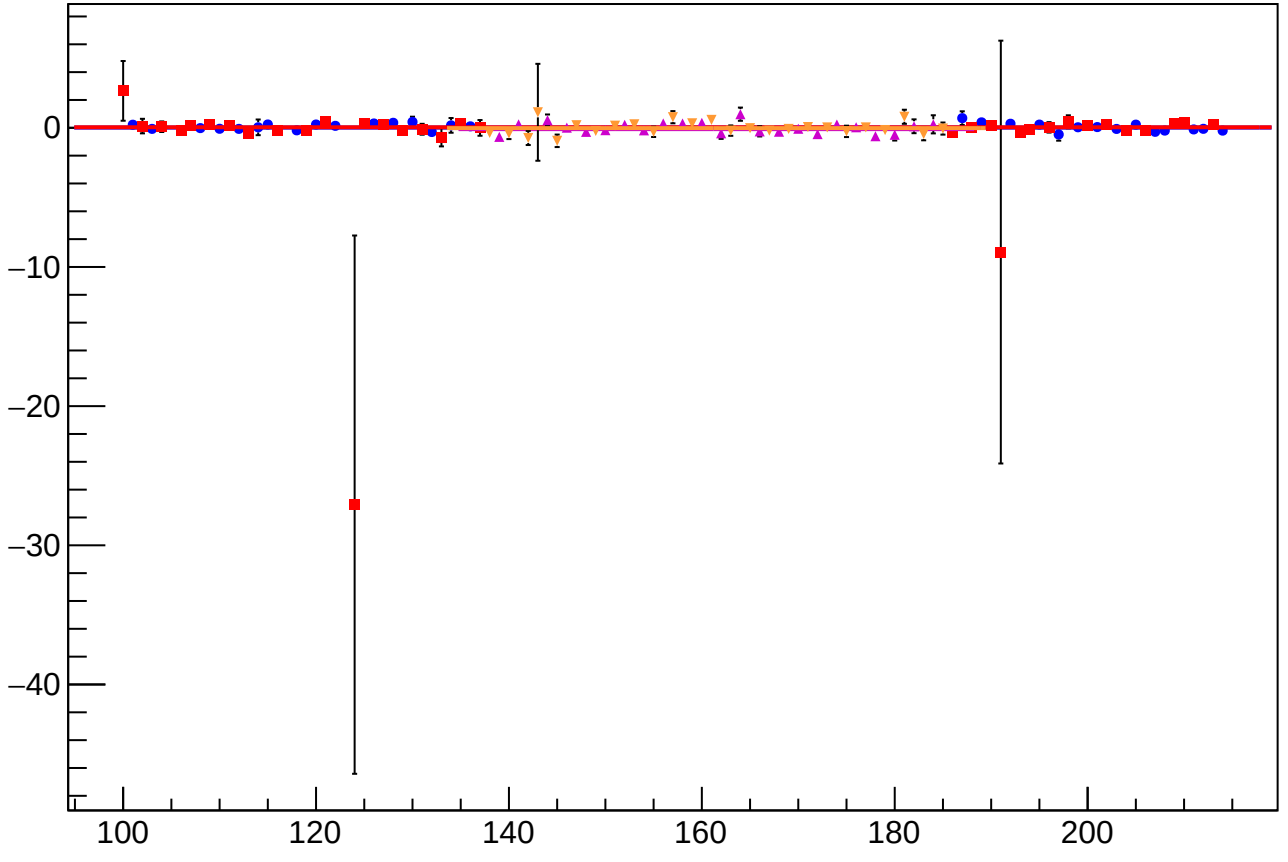
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 19597739.1/54

All: 0.007+/-0.000 χ^2/NDF: 38603423.1/111

- sign 0.007+/-0.000 χ^2/NDF: 18980452.7/56

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.047 χ^2/NDF: 22.1/29

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.038+/-0.043 χ^2/NDF: 36.2/33

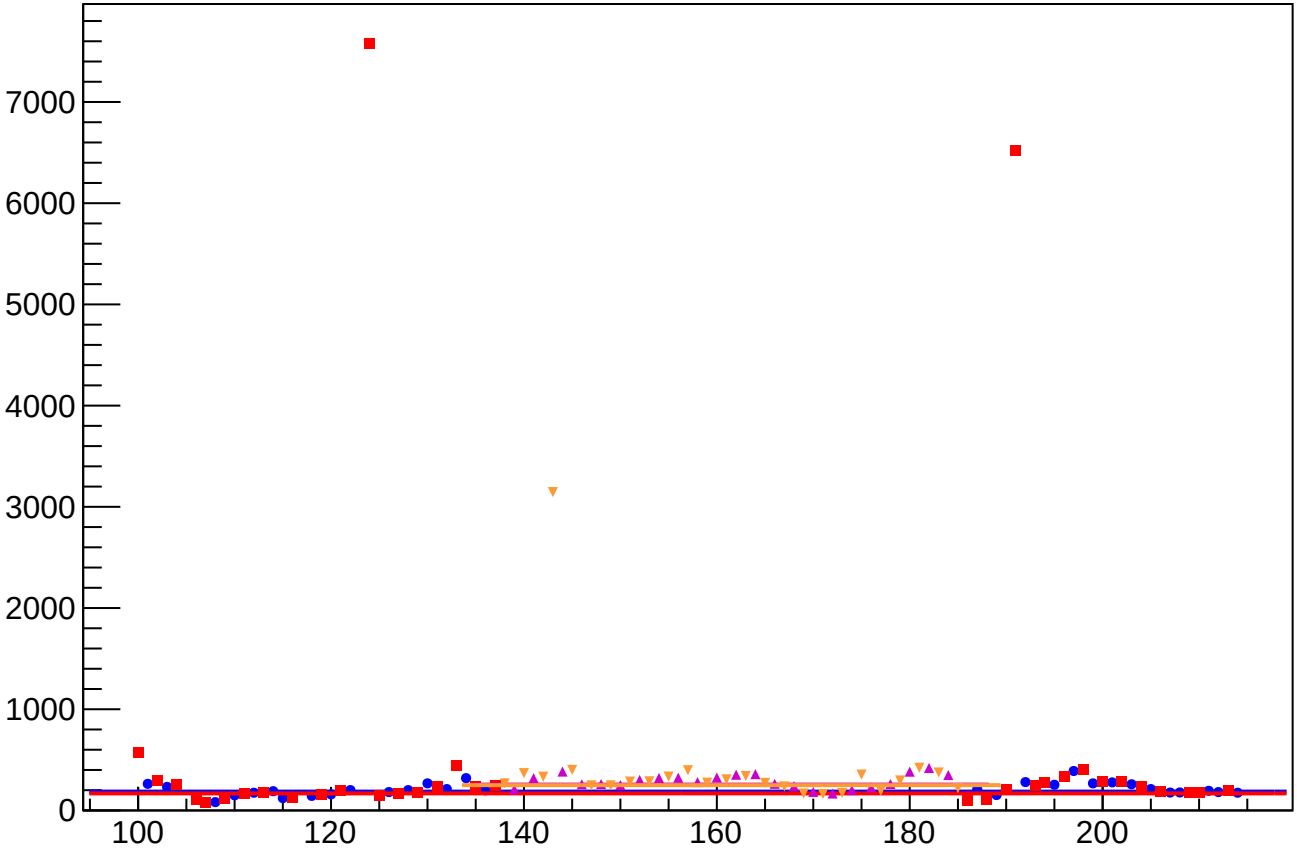
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.001+/-0.037 χ^2/NDF: 45.9/54

All: -0.002+/-0.026 χ^2/NDF: 116.6/111

- sign -0.005+/-0.036 χ^2/NDF: 70.7/56

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 186.362+/-0.033 χ^2/NDF: 2978760.4/29

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

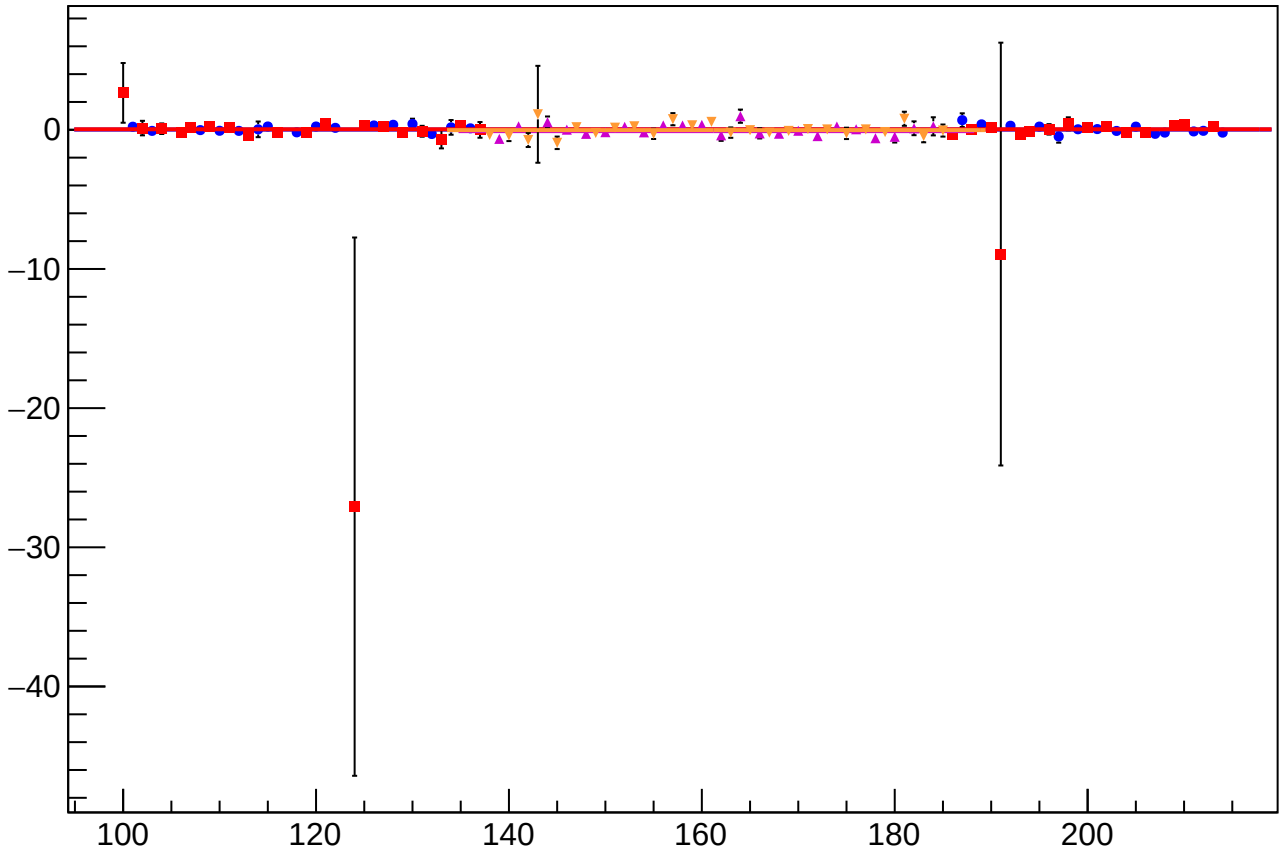
Right Out: 168.506+/-0.031 χ^2/NDF: 5346601.5/33

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.426+/-0.026 χ^2/NDF: 8565201.9/54

All: 202.731+/-0.018 χ^2/NDF: 18719752.7/11

- sign 196.514+/-0.025 χ^2/NDF: 10029211.3/56



Right In: 0.015+/-0.047 χ^2/NDF: 22.1/29

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

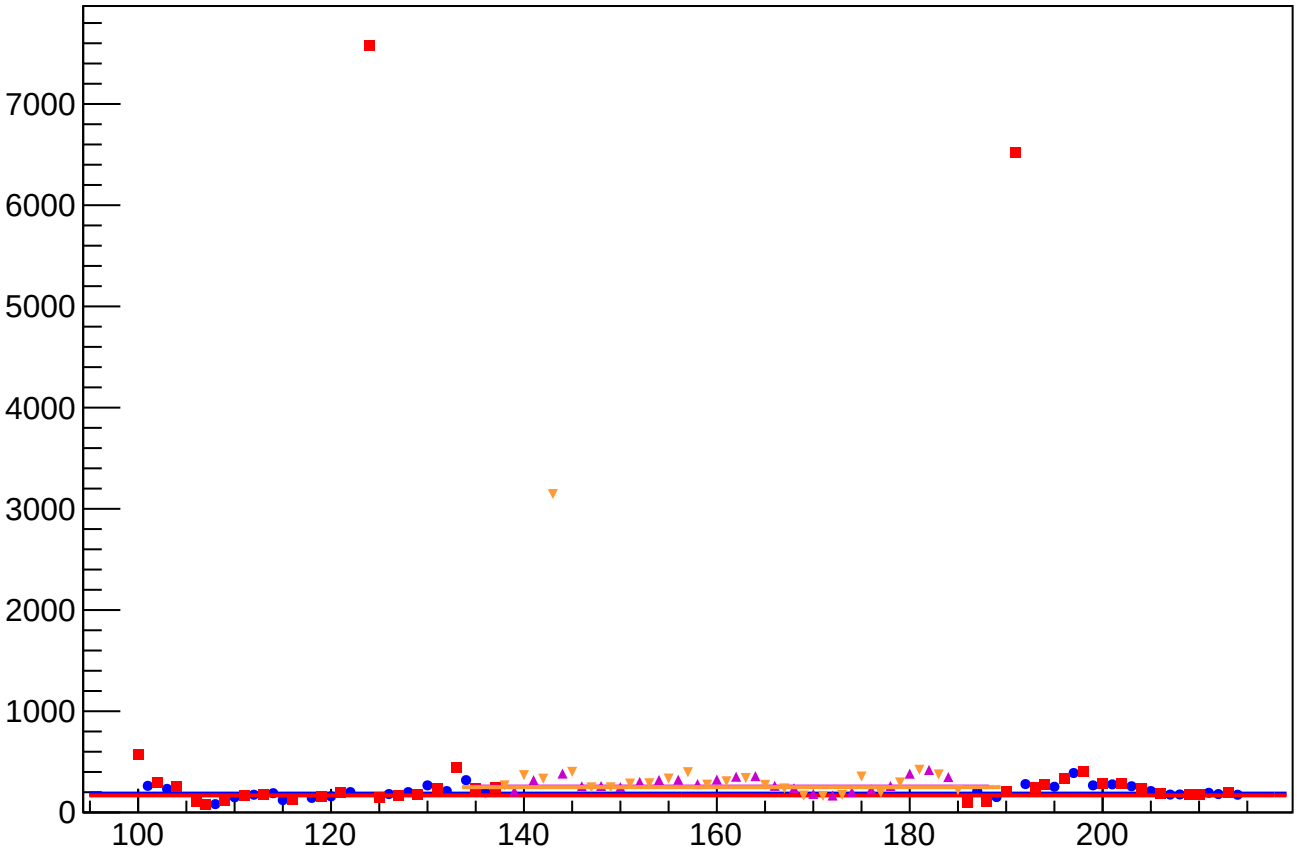
Right Out: 0.038+/-0.043 χ^2/NDF: 36.2/33

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.001+/-0.037 χ^2/NDF: 45.9/54

All: -0.002+/-0.026 χ^2/NDF: 116.6/111

- sign -0.005+/-0.036 χ^2/NDF: 70.7/56



Right In: 186.362+/-0.033 χ^2/NDF: 2978760.4/29

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

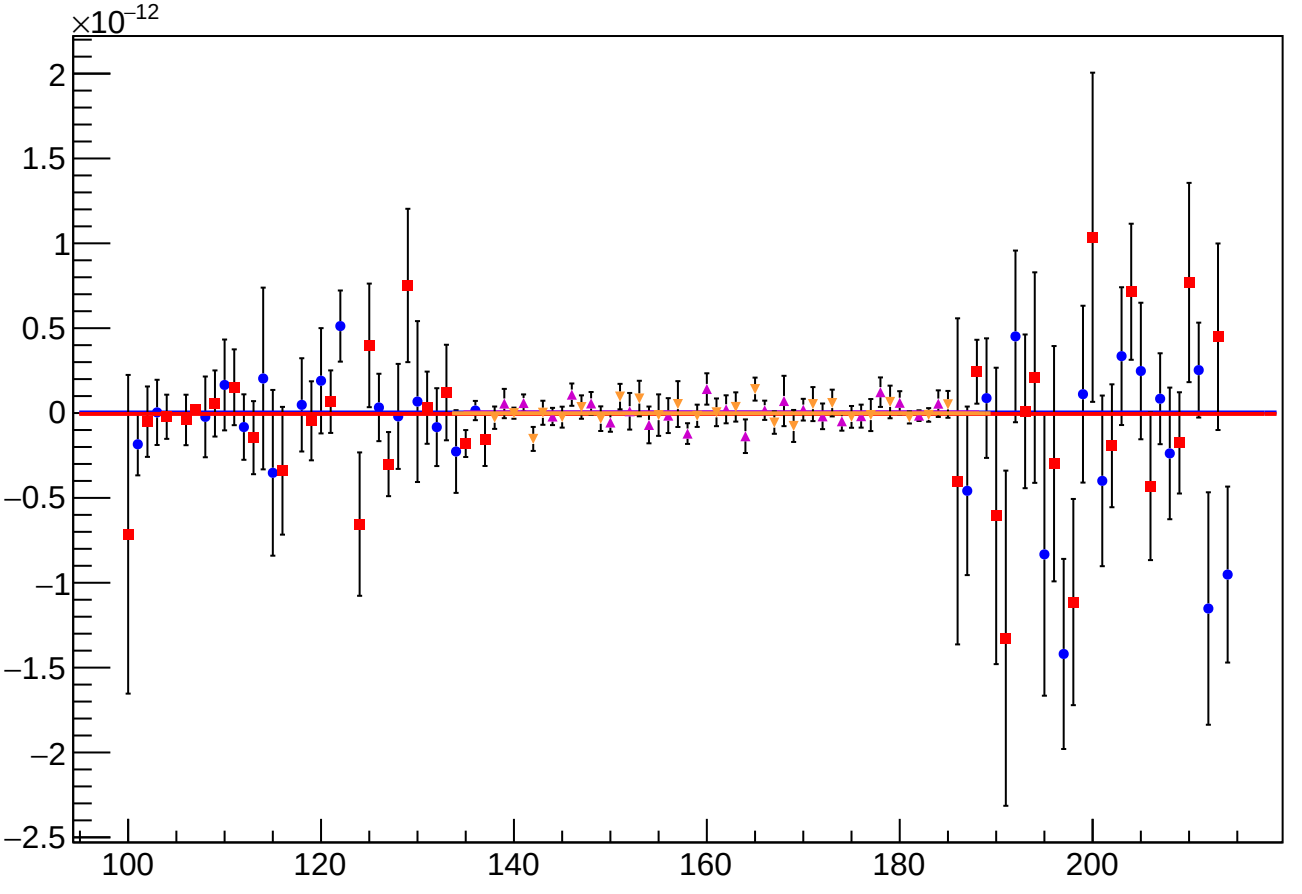
Right Out: 168.506+/-0.031 χ^2/NDF: 5346601.5/33

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 209.426+/-0.026 χ^2/NDF: 8565201.9/54

All: 202.731+/-0.018 χ^2/NDF: 18719752.7/11

- sign 196.514+/-0.025 χ^2/NDF: 10029211.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

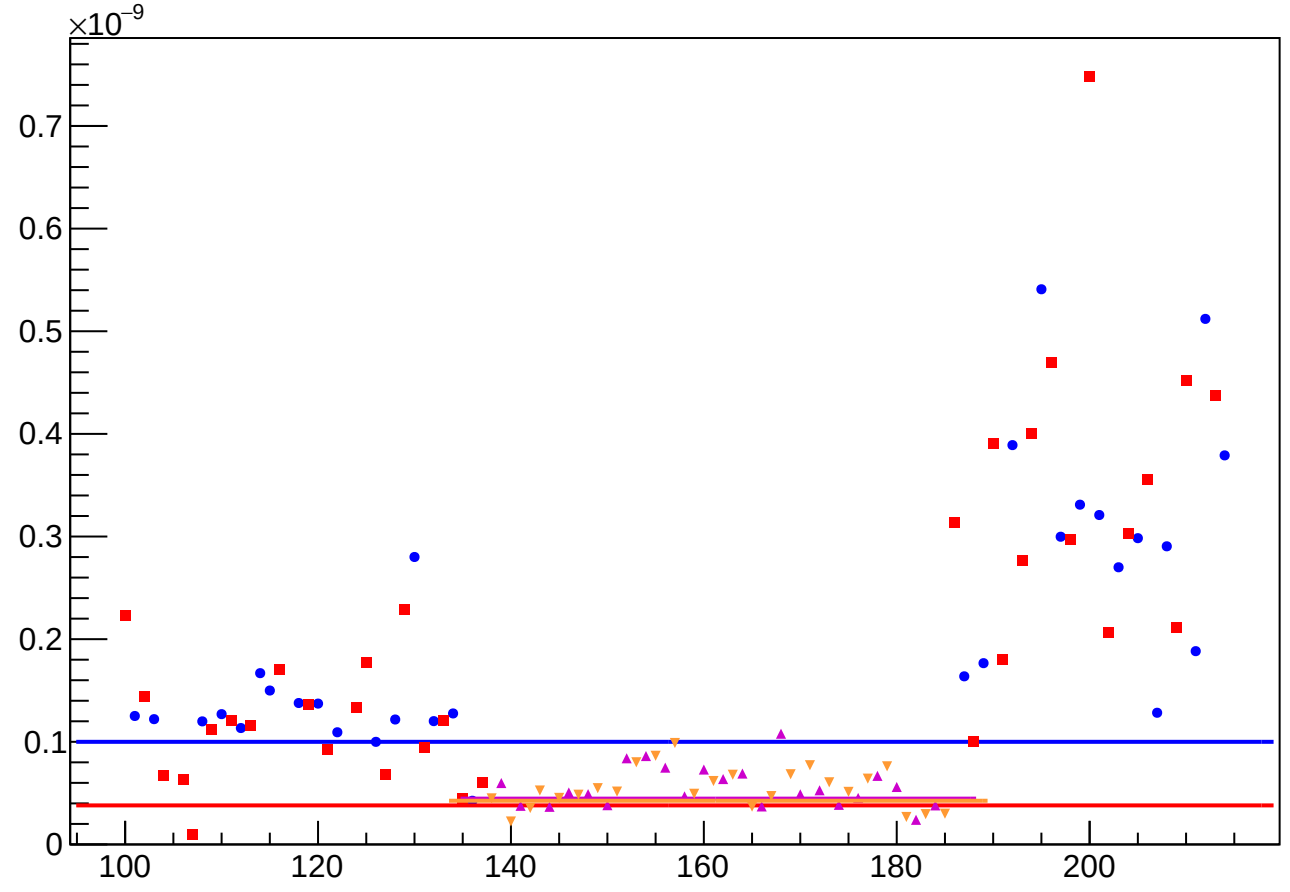
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/33

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/54

All: 0.000+/-0.000 χ^2/NDF: 99.0/111

- sign 0.000+/-0.000 χ^2/NDF: 54.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 7839977.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15062355.5/33

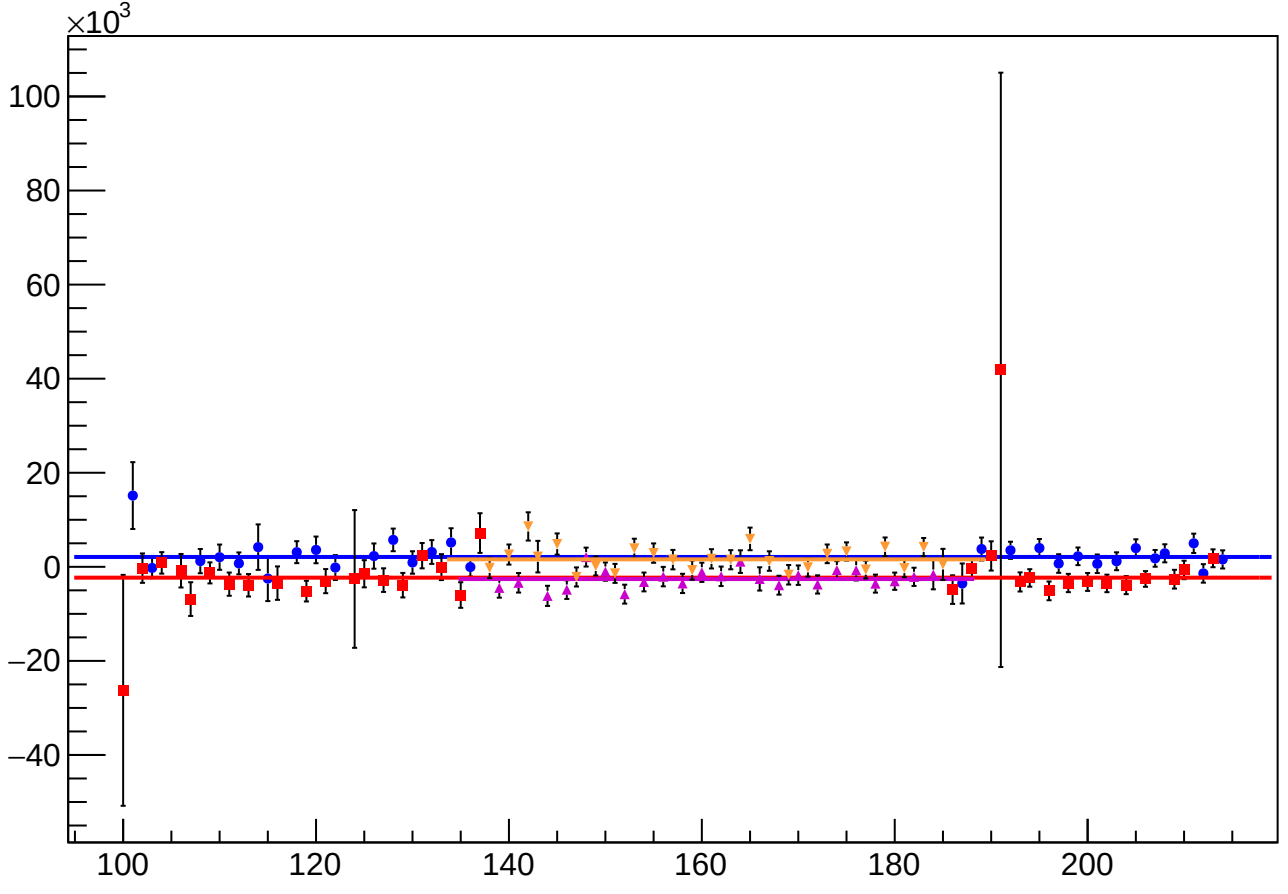
Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15276343.7/54

All: 0.000+/-0.000 χ^2/NDF: 33526689.9/111

- sign 0.000+/-0.000 χ^2/NDF: 18059744.0/56

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2096.002+/-417.080 χ^2/NDF: 23.7/29

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2303.080+/-414.290 χ^2/NDF: 32.7/33

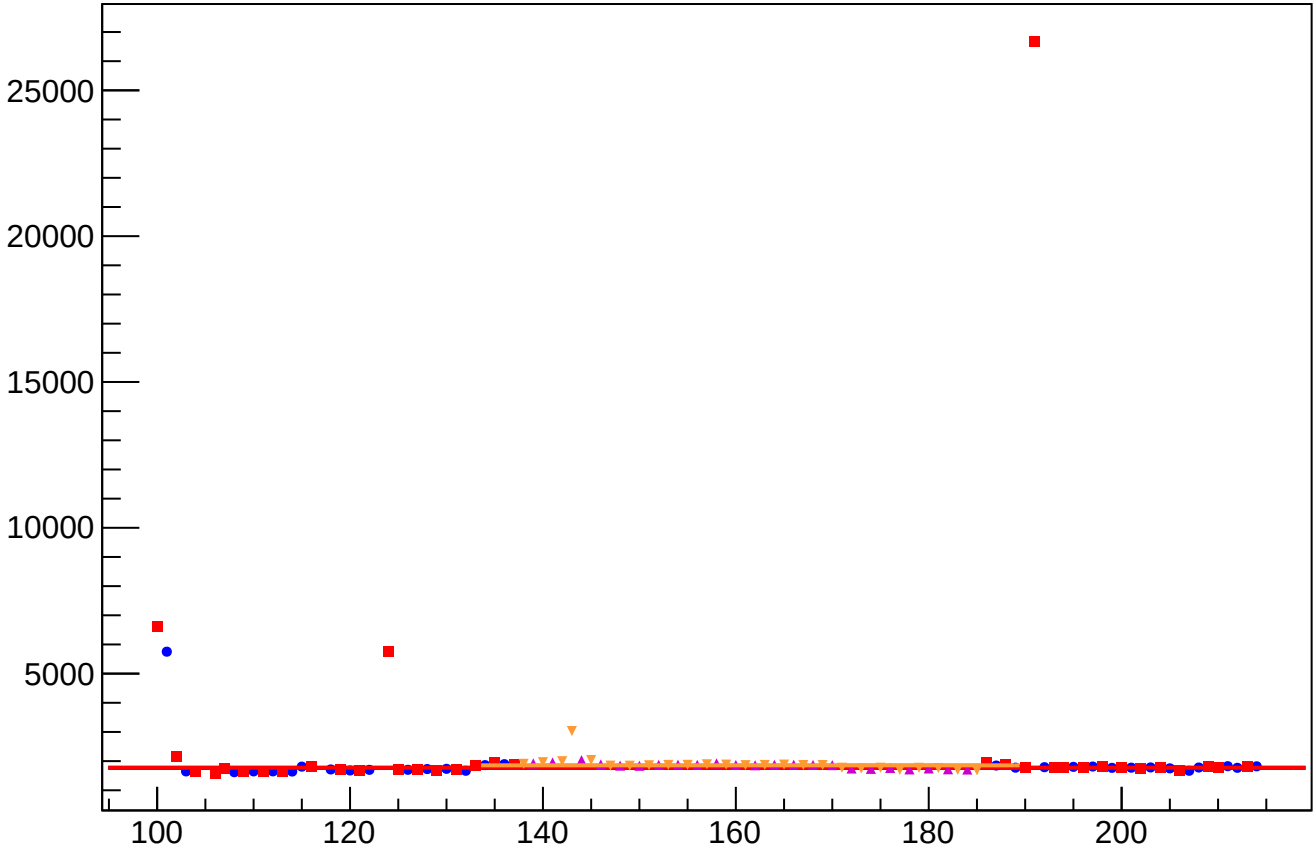
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1847.959+/-297.094 χ^2/NDF: 55.7/54

All: -288.699+/-210.553 χ^2/NDF: 212.6/111

- sign -2444.829+/-298.445 χ^2/NDF: 53.0/56

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1768.061+/-0.295 χ^2/NDF: 684384.4/29

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1773.955+/-0.292 χ^2/NDF: 648692.1/33

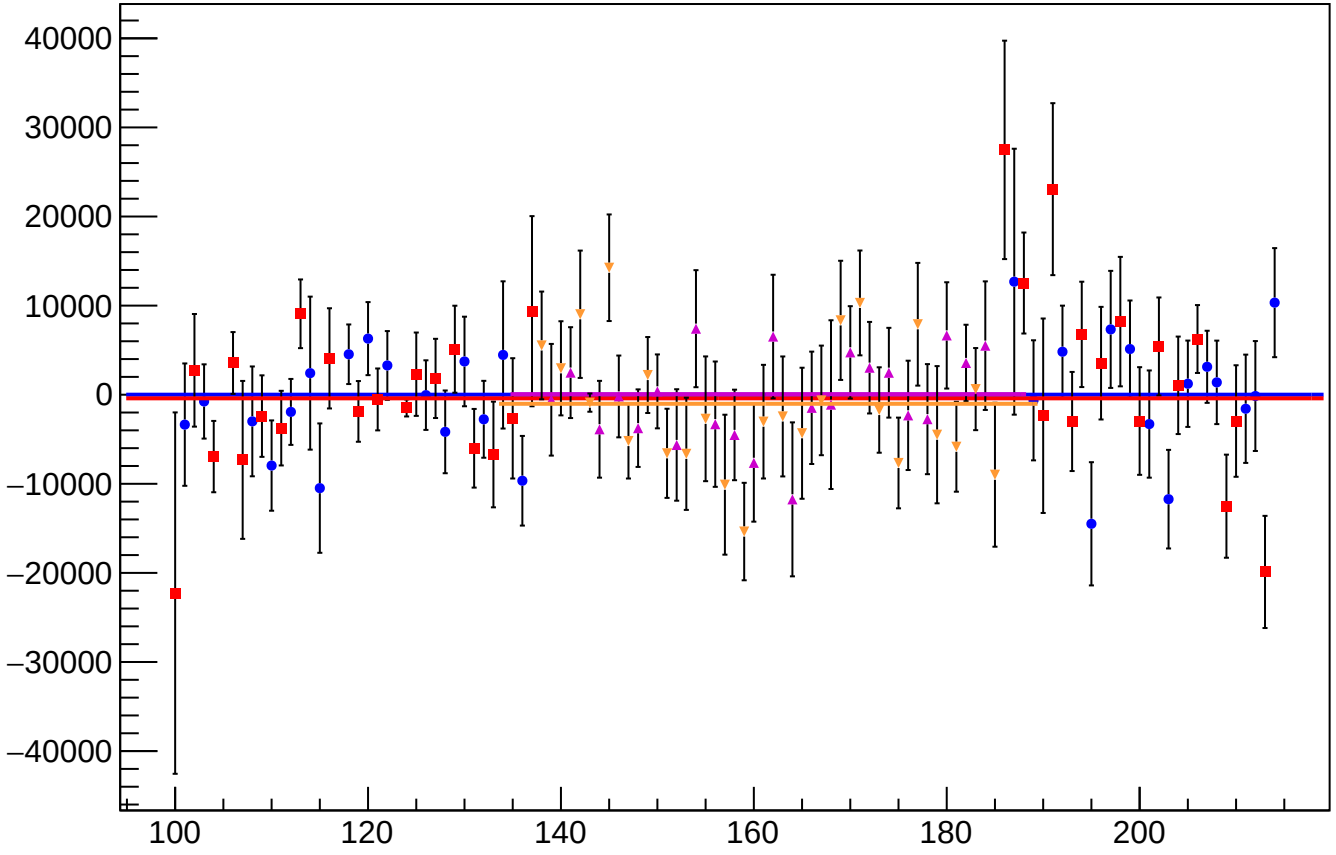
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.163+/-0.210 χ^2/NDF: 1052011.9/54

All: 1808.639+/-0.149 χ^2/NDF: 1797233.7/11

- sign 1806.100+/-0.211 χ^2/NDF: 744932.3/56

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: 2.303+/-930.017 χ^2/NDF: 32.7/29

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -407.860+/-658.829 χ^2/NDF: 58.9/33

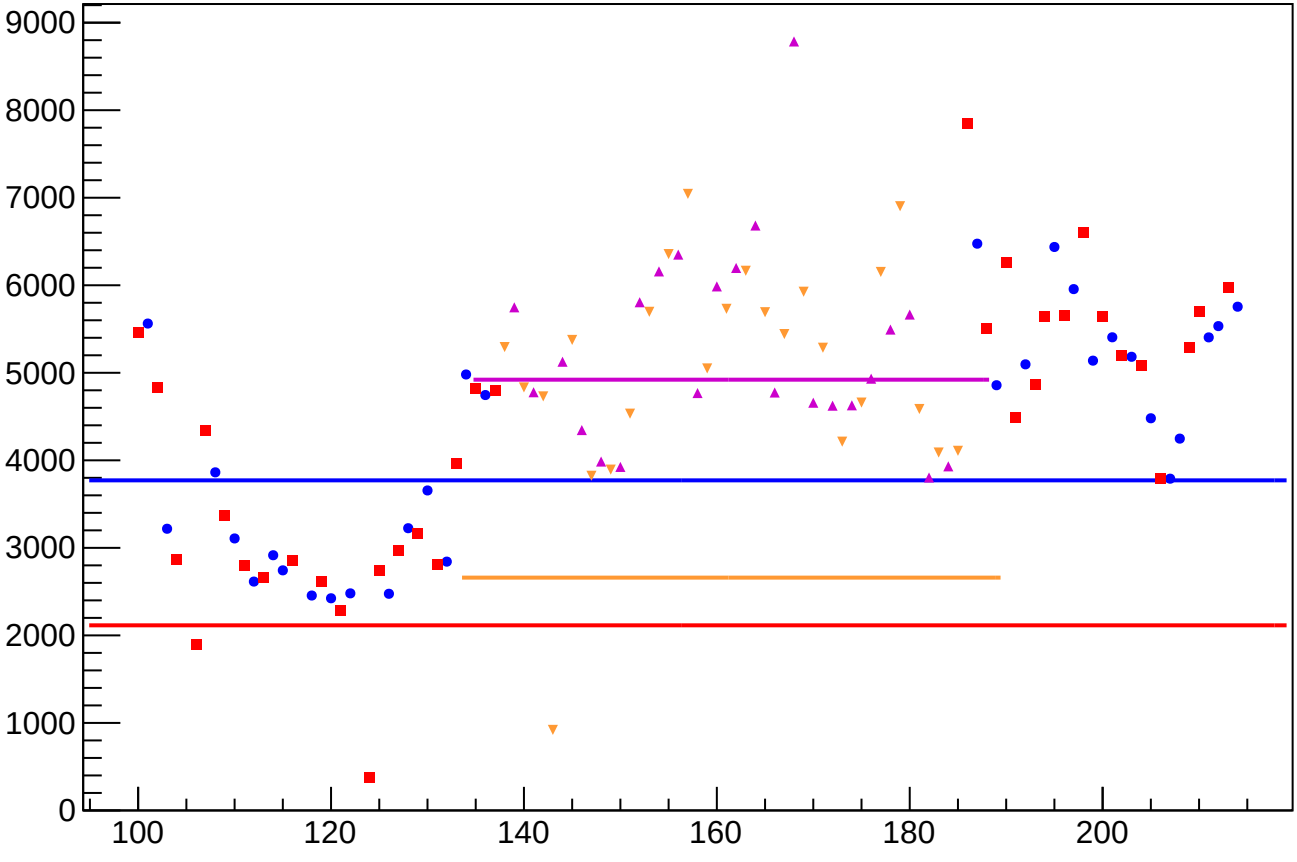
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -602.392+/-593.929 χ^2/NDF: 67.1/54

All: -443.660+/-412.922 χ^2/NDF: 139.3/111

- sign -295.156+/-574.476 χ^2/NDF: 72.1/56

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3771.236+/-0.658 χ^2/NDF: 3422733.8/29

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2114.997+/-0.466 χ^2/NDF: 16934884.5/33

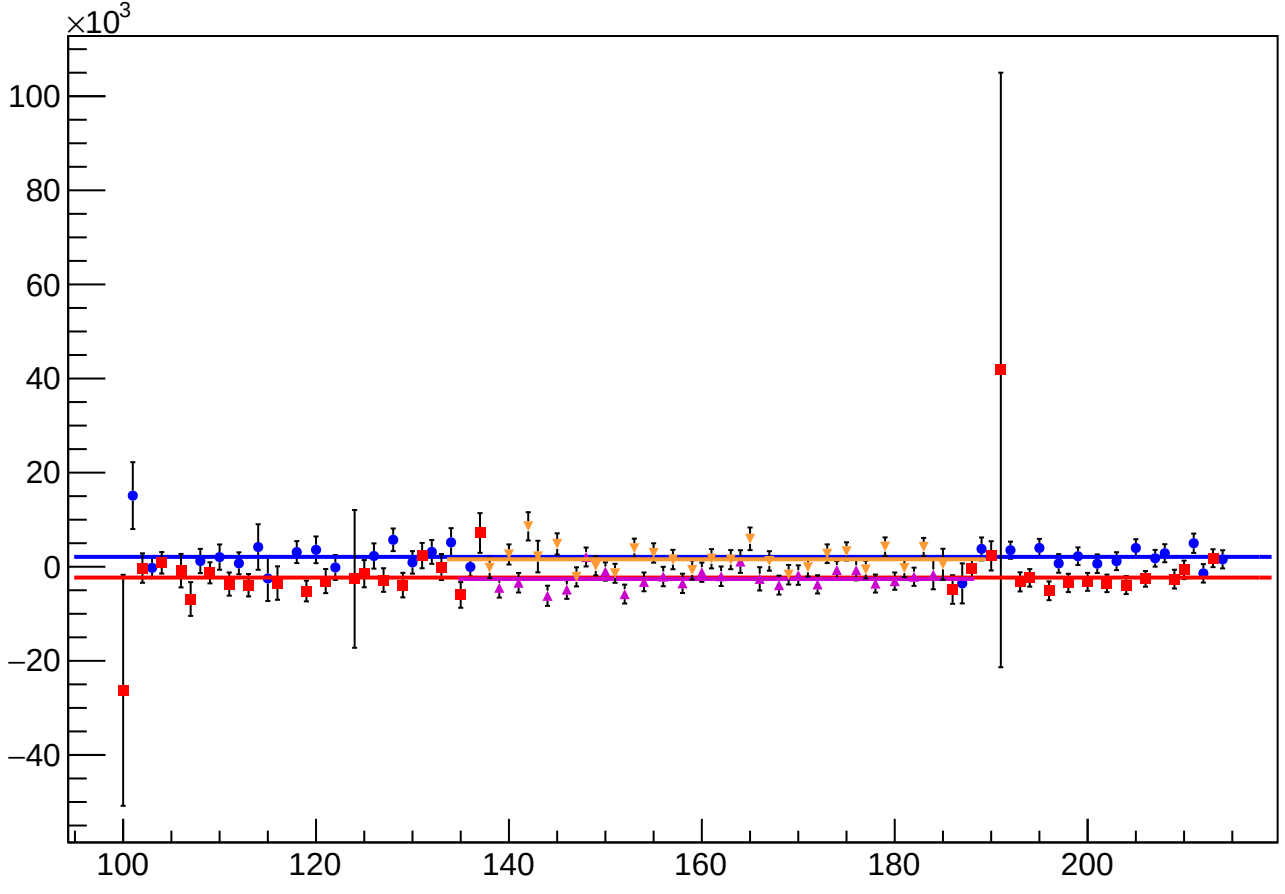
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3113.209+/-0.420 χ^2/NDF: 19649618.3/54

All: 2944.991+/-0.292 χ^2/NDF: 46843536.0/1

- sign 2787.612+/-0.406 χ^2/NDF: 26883380.8/56

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2095.818+/-417.080 χ^2/NDF: 23.7/29

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2303.099+/-414.290 χ^2/NDF: 32.7/33

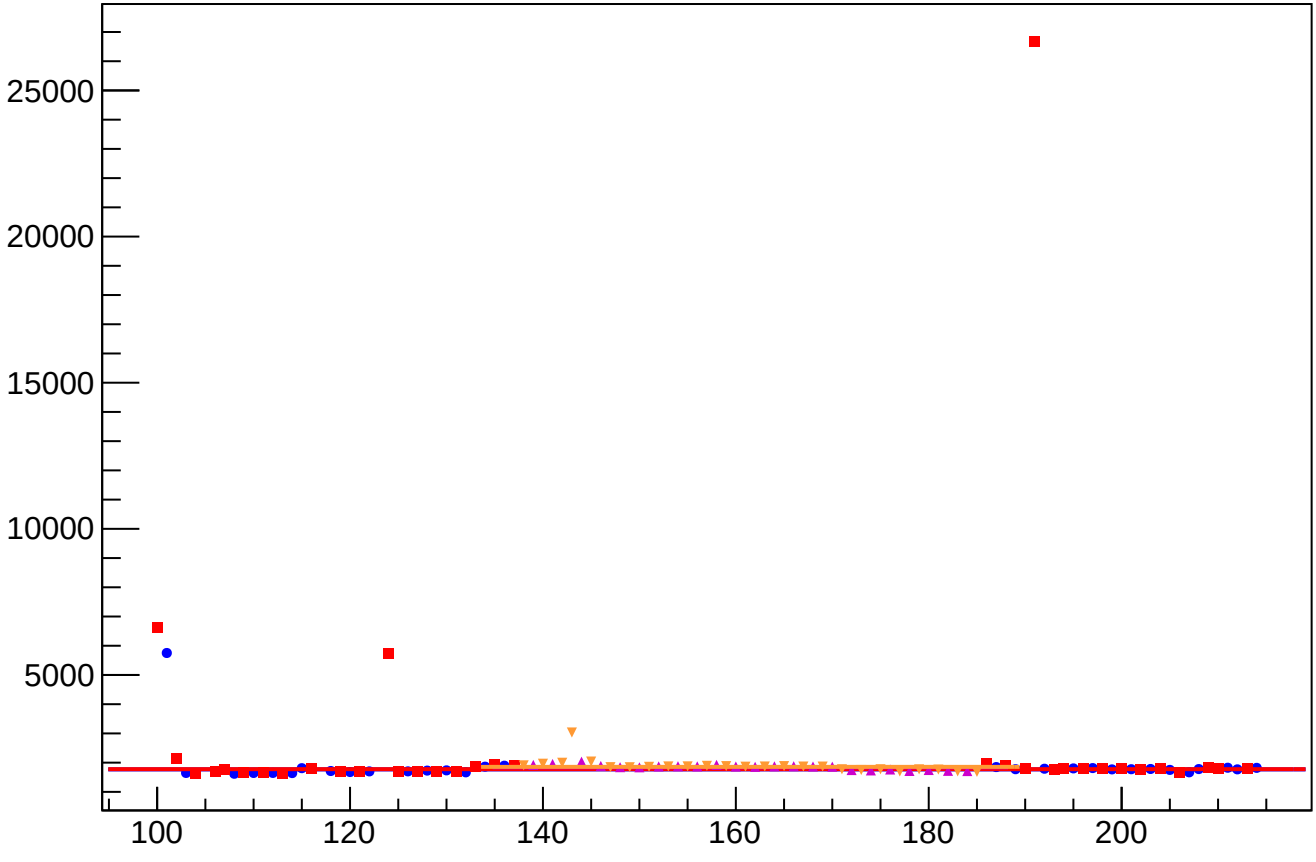
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1847.849+/-297.094 χ^2/NDF: 55.6/54

All: -288.776+/-210.553 χ^2/NDF: 212.5/111

- sign -2444.873+/-298.445 χ^2/NDF: 53.0/56

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.061+/-0.295 χ^2/NDF: 684384.7/29

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1776.747+/-0.293 χ^2/NDF: 639965.6/33

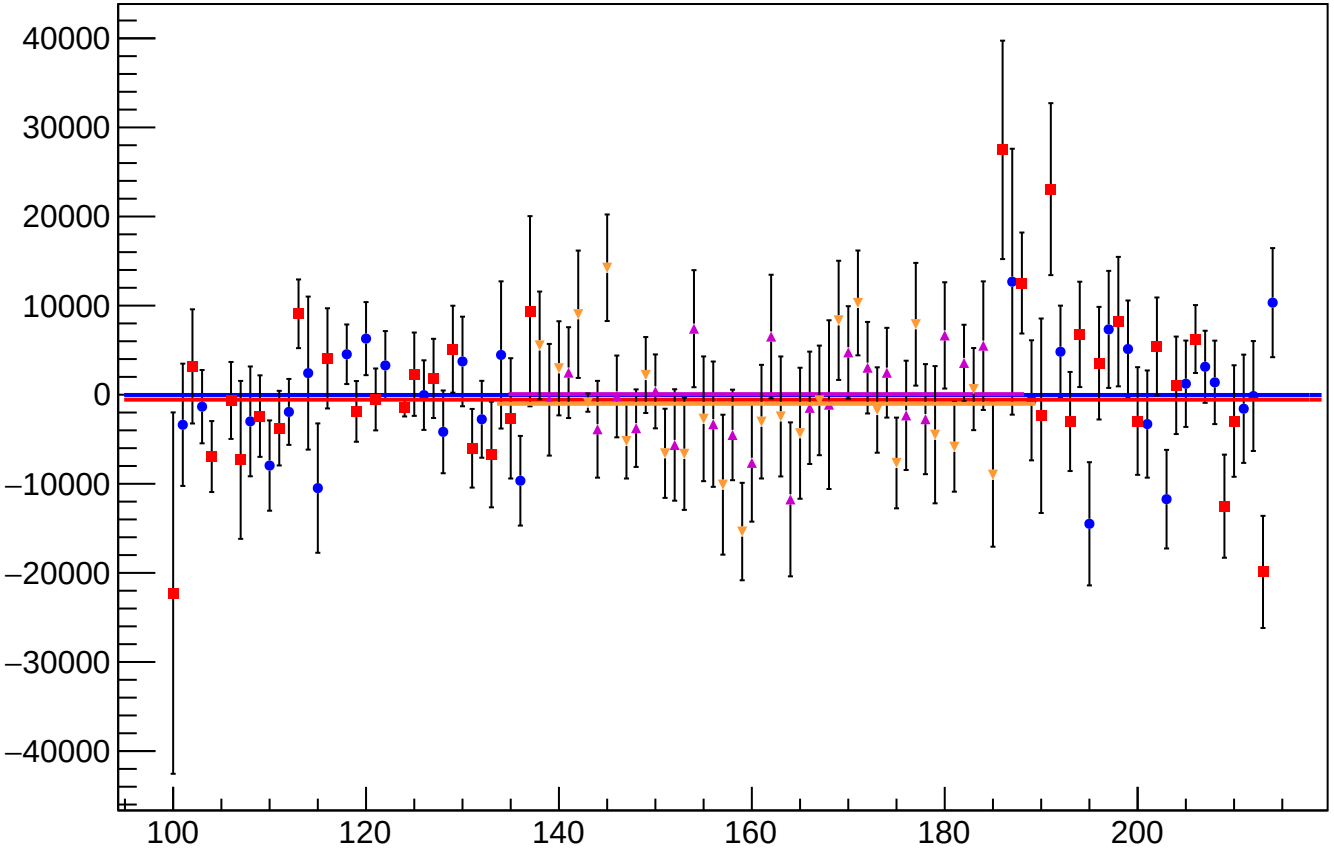
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.163+/-0.210 χ^2/NDF: 1052012.3/54

All: 1809.388+/-0.149 χ^2/NDF: 1786269.1/11

- sign 1807.599+/-0.211 χ^2/NDF: 734113.4/56

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -28.829+/-929.416 χ^2/NDF: 32.7/29

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -556.603+/-663.101 χ^2/NDF: 57.6/33

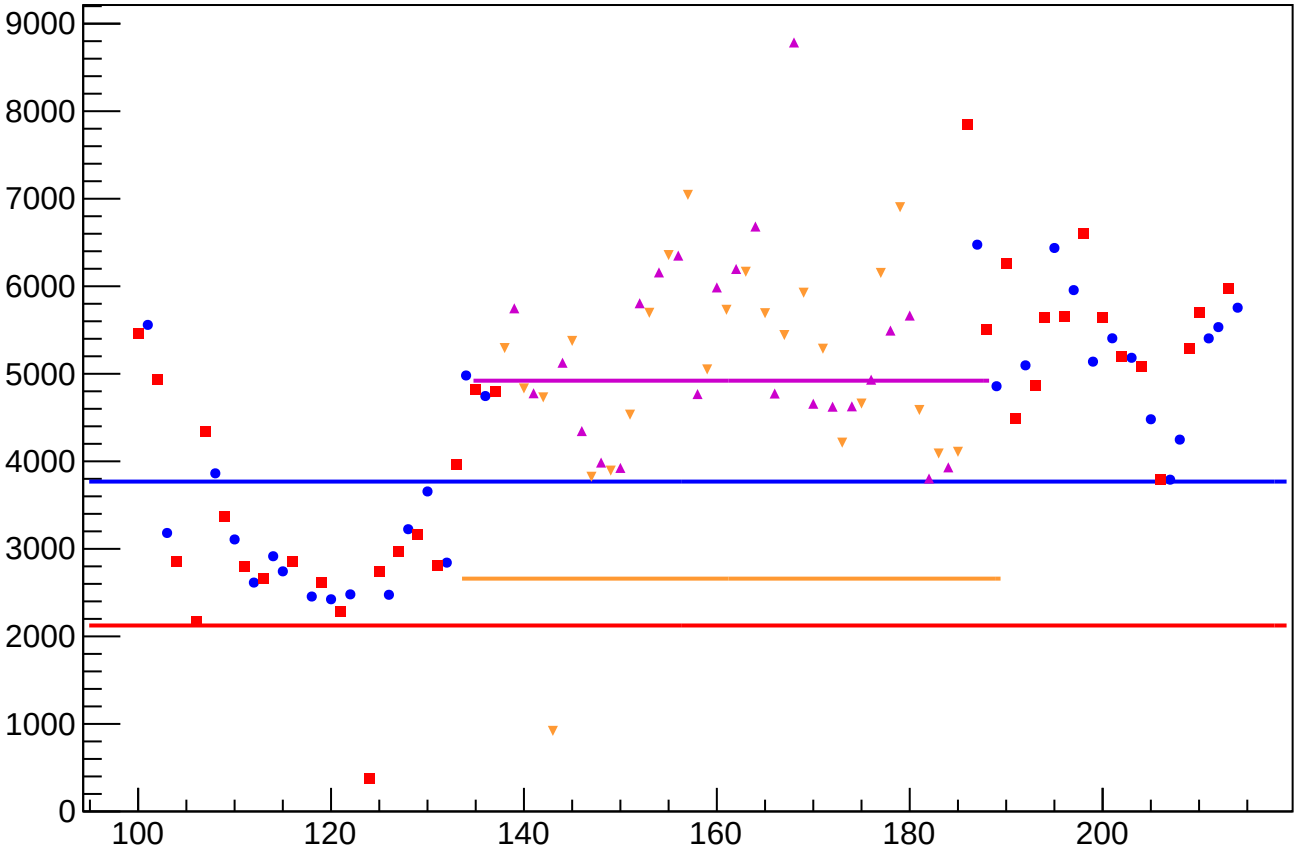
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -614.702+/-593.764 χ^2/NDF: 67.1/54

All: -507.832+/-413.911 χ^2/NDF: 138.1/111

- sign -406.806+/-577.301 χ^2/NDF: 70.9/56

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3768.637+/-0.657 χ^2/NDF: 3428157.5/29

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2124.488+/-0.469 χ^2/NDF: 16942059.3/33

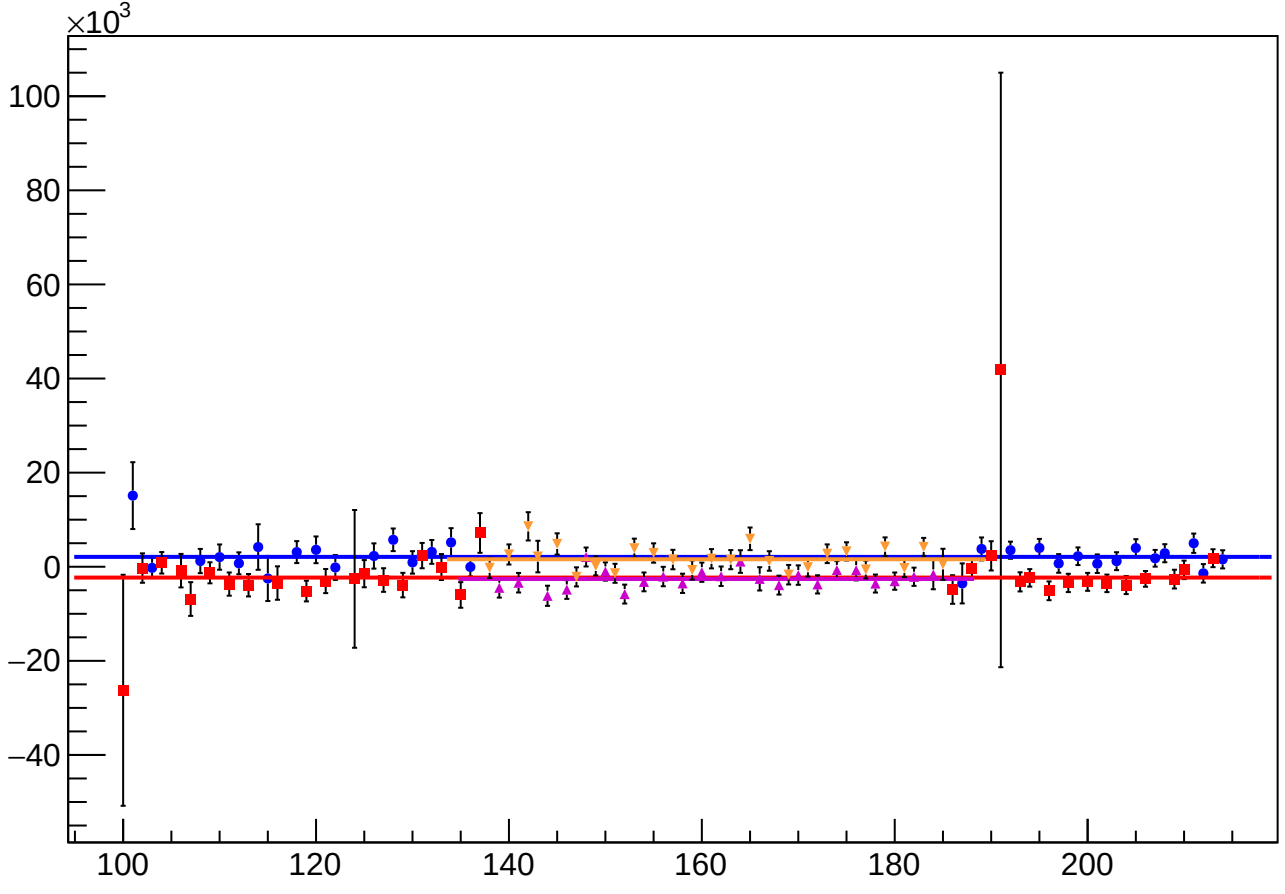
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3112.423+/-0.420 χ^2/NDF: 19649512.8/54

All: 2952.559+/-0.293 χ^2/NDF: 46736513.1/1

- sign 2801.438+/-0.408 χ^2/NDF: 26804973.1/56

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2095.818+/-417.080 χ^2/NDF: 23.7/29

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2303.099+/-414.290 χ^2/NDF: 32.7/33

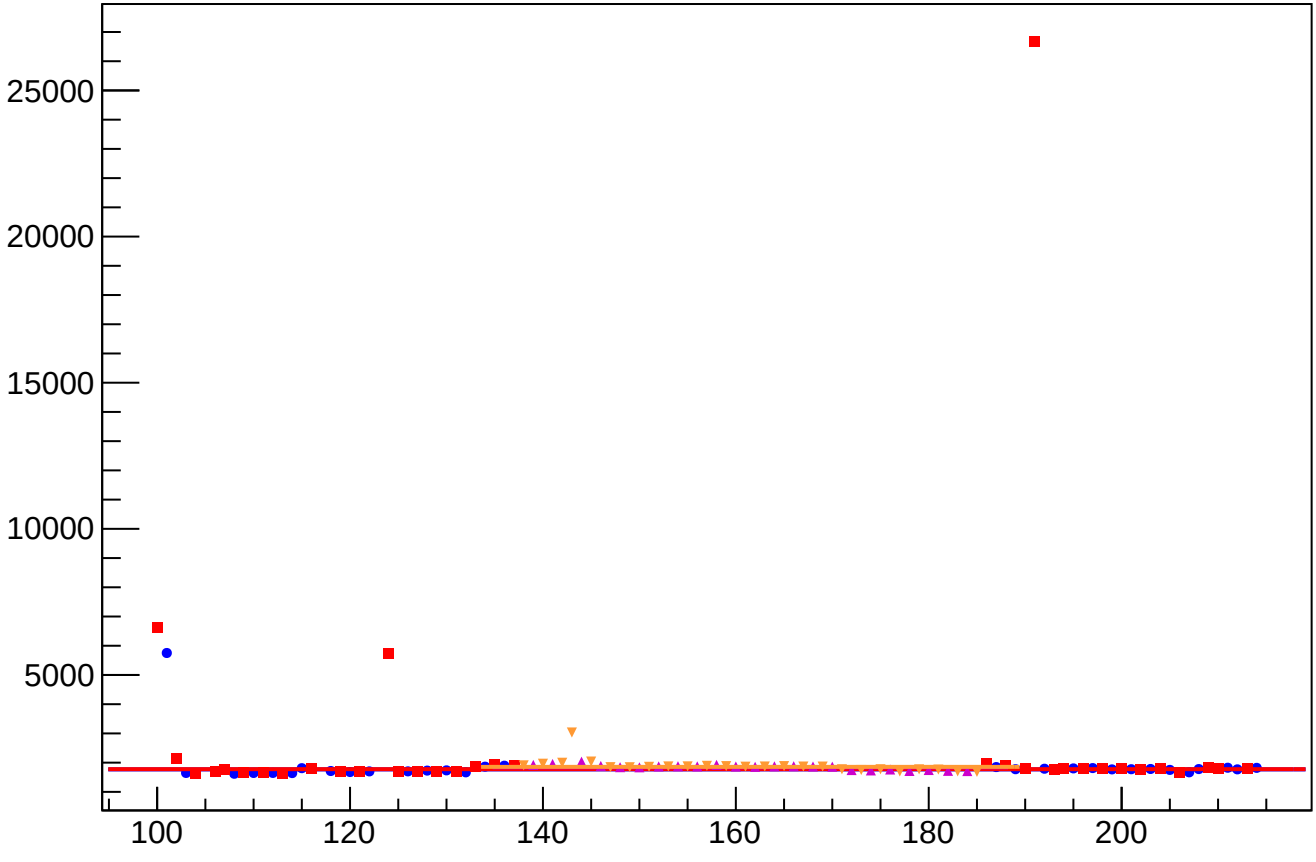
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1847.849+/-297.094 χ^2/NDF: 55.6/54

All: -288.776+/-210.553 χ^2/NDF: 212.5/111

- sign -2444.873+/-298.445 χ^2/NDF: 53.0/56

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1768.061+/-0.295 χ^2/NDF: 684384.7/29

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1776.747+/-0.293 χ^2/NDF: 639965.6/33

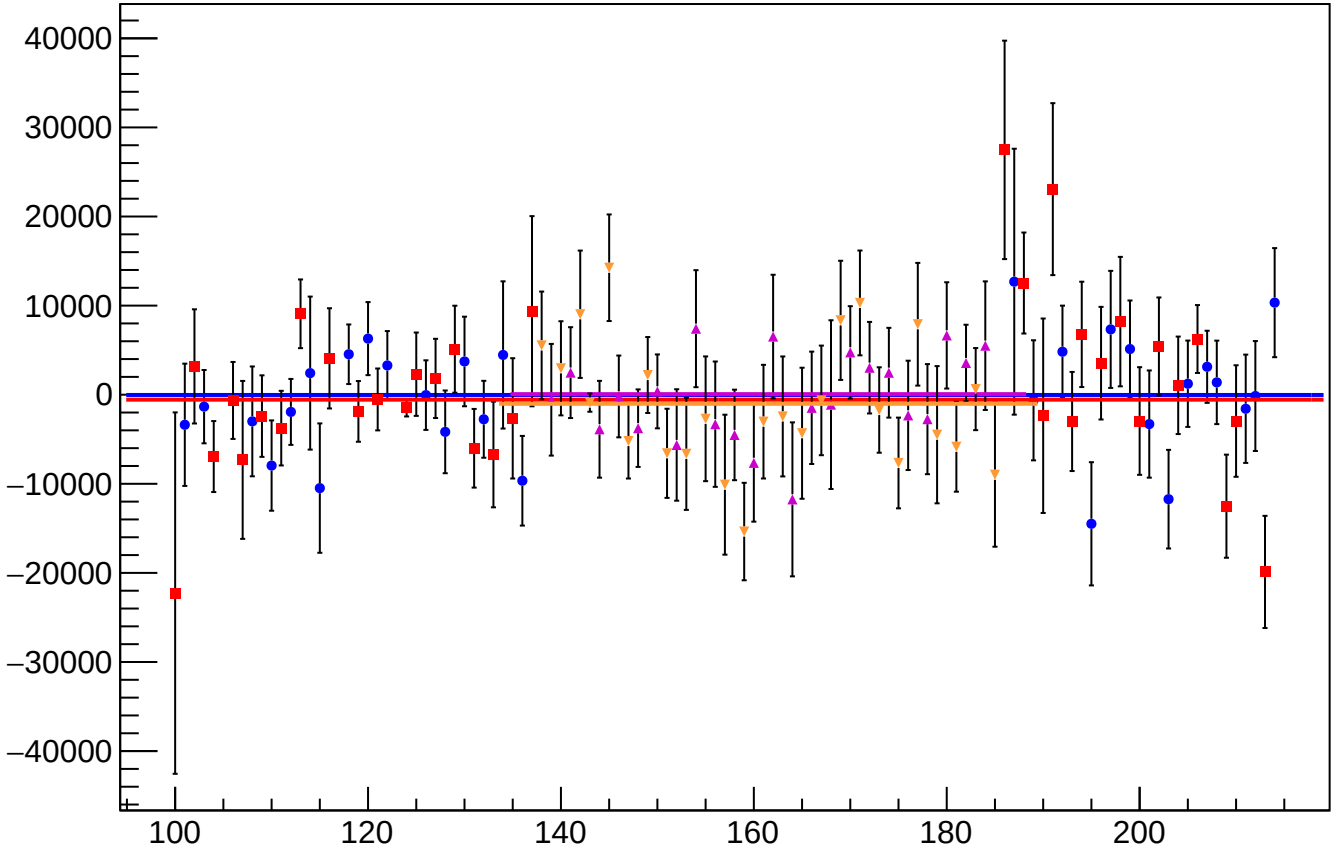
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1811.163+/-0.210 χ^2/NDF: 1052012.3/54

All: 1809.388+/-0.149 χ^2/NDF: 1786269.1/11

- sign 1807.599+/-0.211 χ^2/NDF: 734113.4/56

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -28.829+/-929.416 χ^2/NDF: 32.7/29

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -556.603+/-663.101 χ^2/NDF: 57.6/33

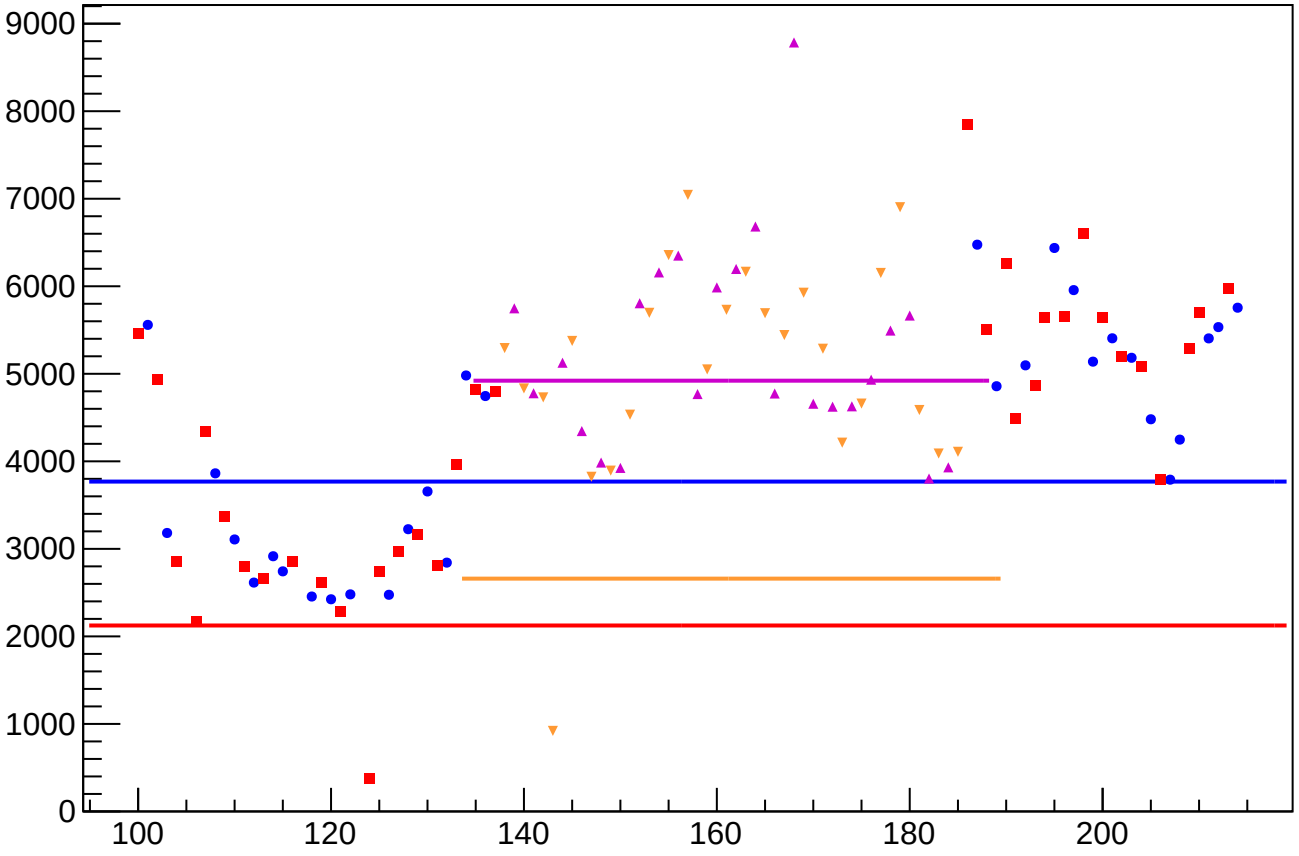
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -614.702+/-593.764 χ^2/NDF: 67.1/54

All: -507.832+/-413.911 χ^2/NDF: 138.1/111

- sign -406.806+/-577.301 χ^2/NDF: 70.9/56

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3768.637+/-0.657 χ^2/NDF: 3428157.5/29

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2124.488+/-0.469 χ^2/NDF: 16942059.3/33

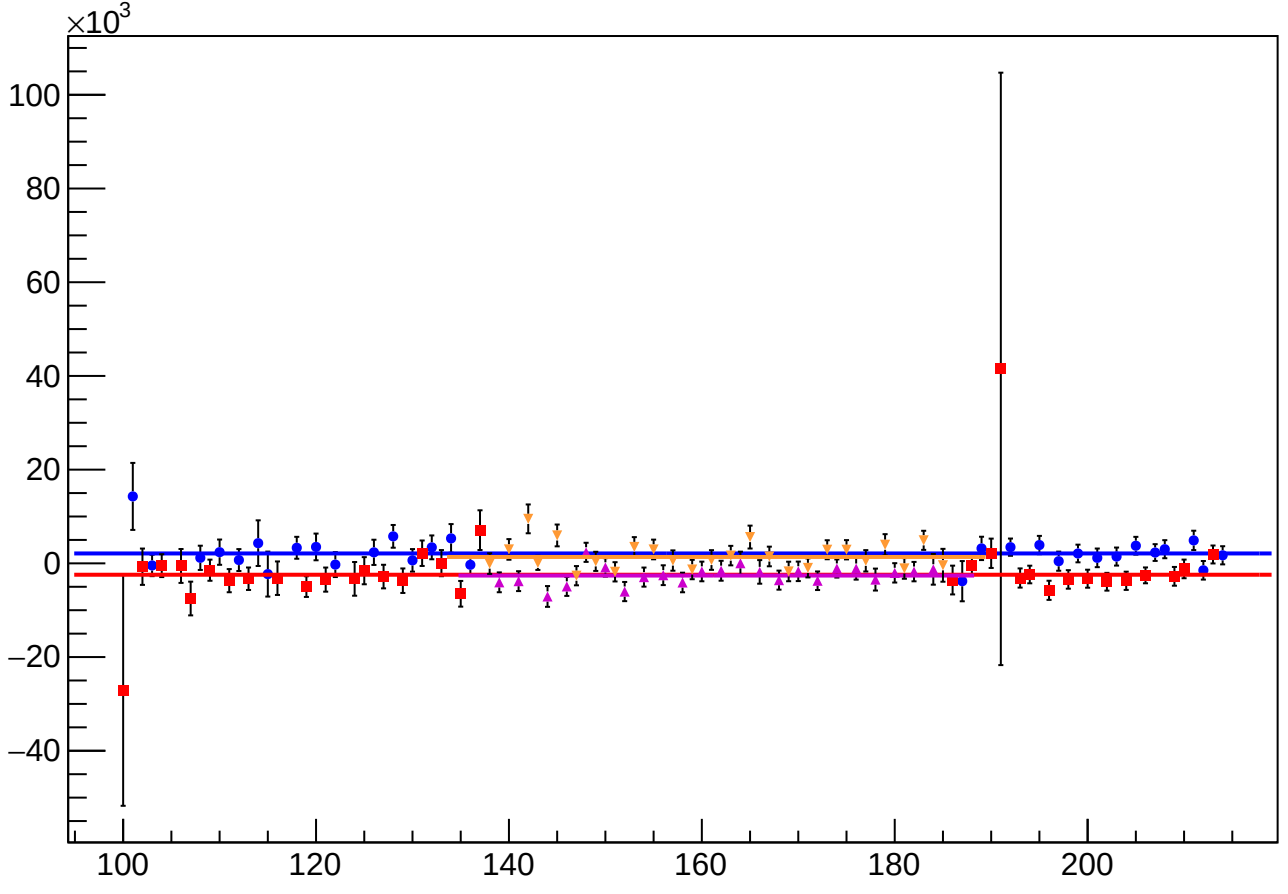
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3112.423+/-0.420 χ^2/NDF: 19649512.8/54

All: 2952.559+/-0.293 χ^2/NDF: 46736513.1/1

- sign 2801.438+/-0.408 χ^2/NDF: 26804973.1/56

dit_asym_atr1l2_avg_mean vs Slug



Right In: 2113.534+/-421.357 χ^2/NDF: 23.1/29

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2429.562+/-417.405 χ^2/NDF: 31.0/33

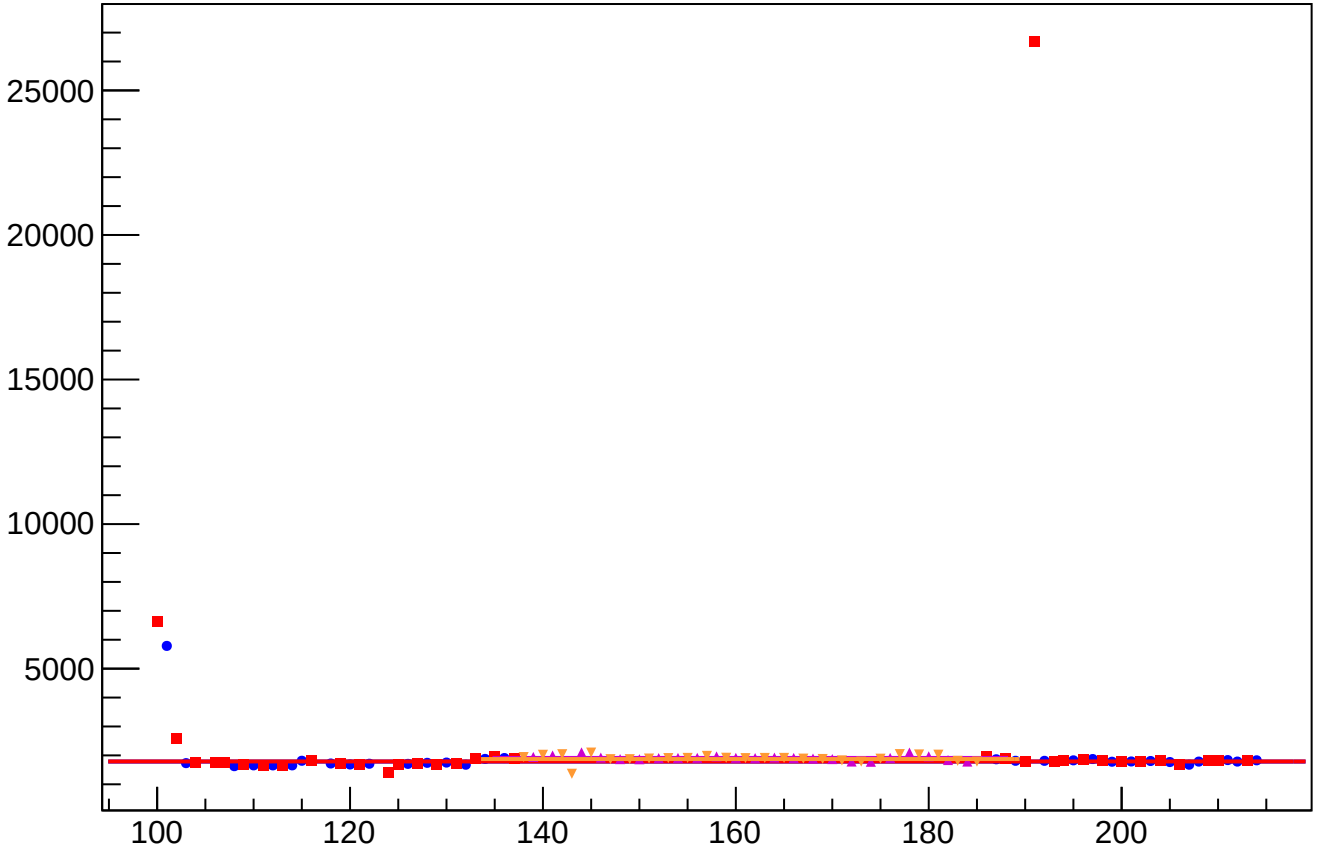
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1743.988+/-300.035 χ^2/NDF: 60.7/54

All: -348.296+/-213.888 χ^2/NDF: 210.8/111

- sign -2510.323+/-304.994 χ^2/NDF: 51.1/56

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.002+/-0.298 χ^2/NDF: 684695.1/29

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.479+/-0.295 χ^2/NDF: 563167.1/33

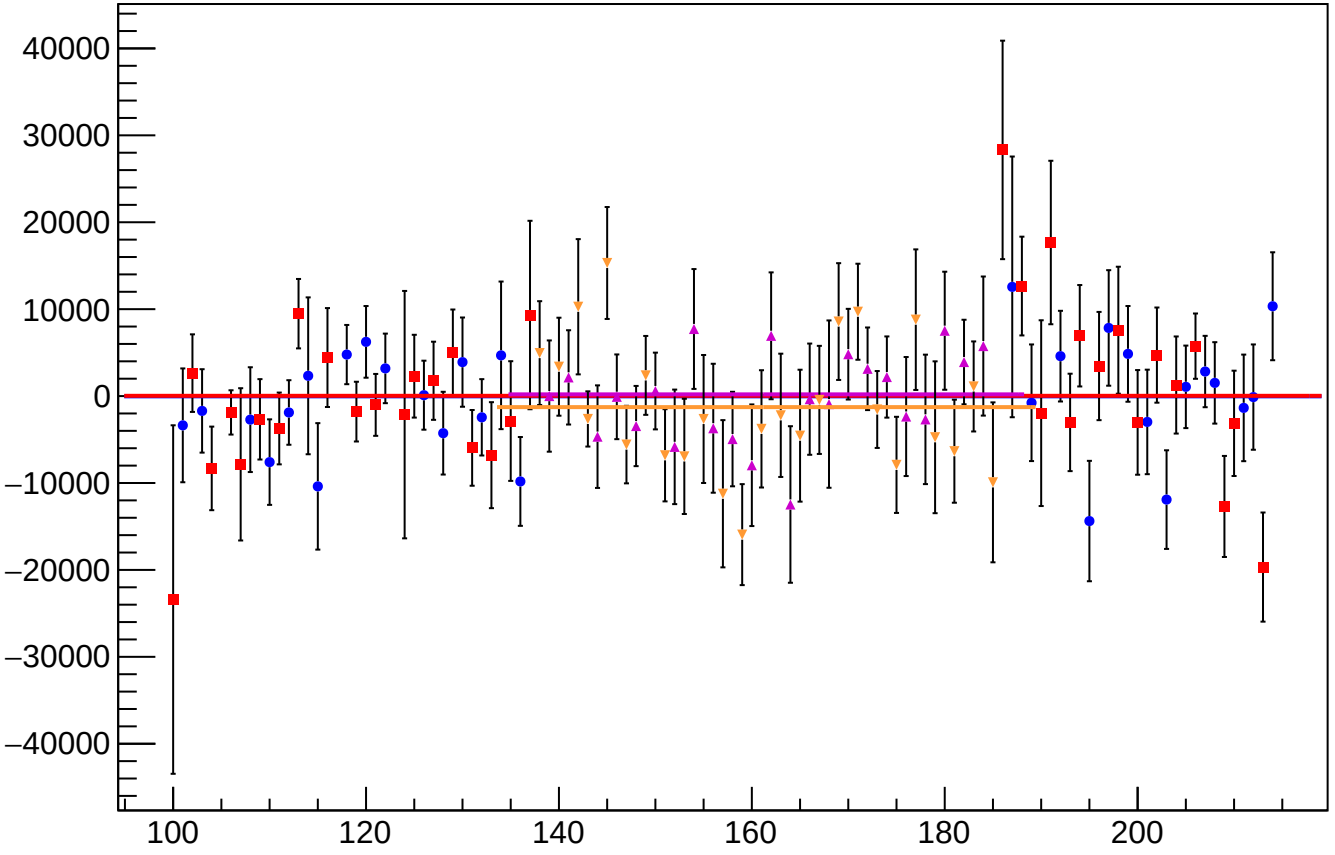
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1828.976+/-0.212 χ^2/NDF: 1036630.1/54

All: 1837.740+/-0.151 χ^2/NDF: 1740745.6/11

- sign 1846.786+/-0.216 χ^2/NDF: 700647.9/56

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -29.851+/-943.295 χ^2/NDF: 32.0/29

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 30.654+/-882.680 χ^2/NDF: 54.2/33

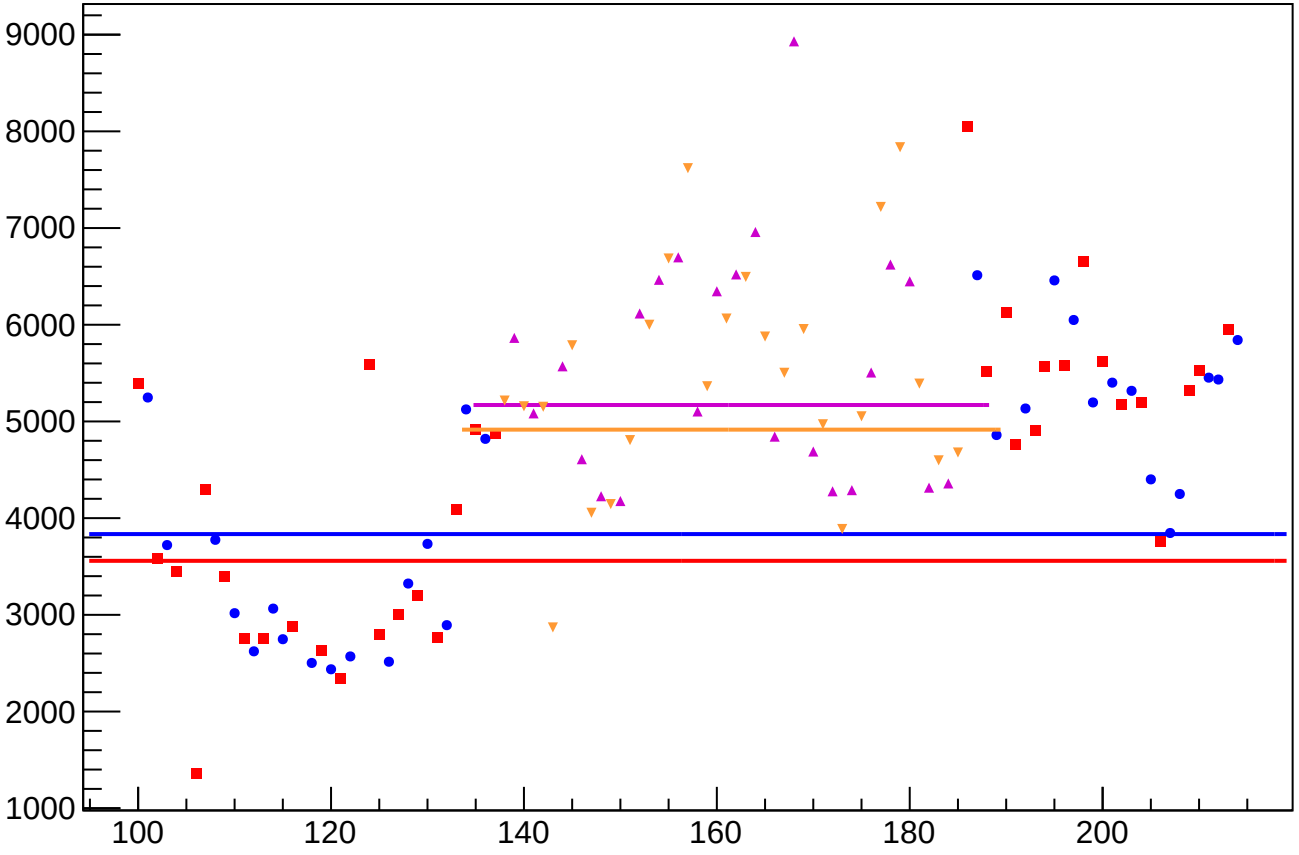
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

\+ sign -525.384+/-730.884 χ^2/NDF: 66.1/54

All: -213.811+/-512.207 χ^2/NDF: 133.4/111

\- sign 86.897+/-718.027 χ^2/NDF: 67.0/56

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3835.132+/-0.667 χ^2/NDF: 3284006.1/29

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3558.564+/-0.624 χ^2/NDF: 5244691.6/33

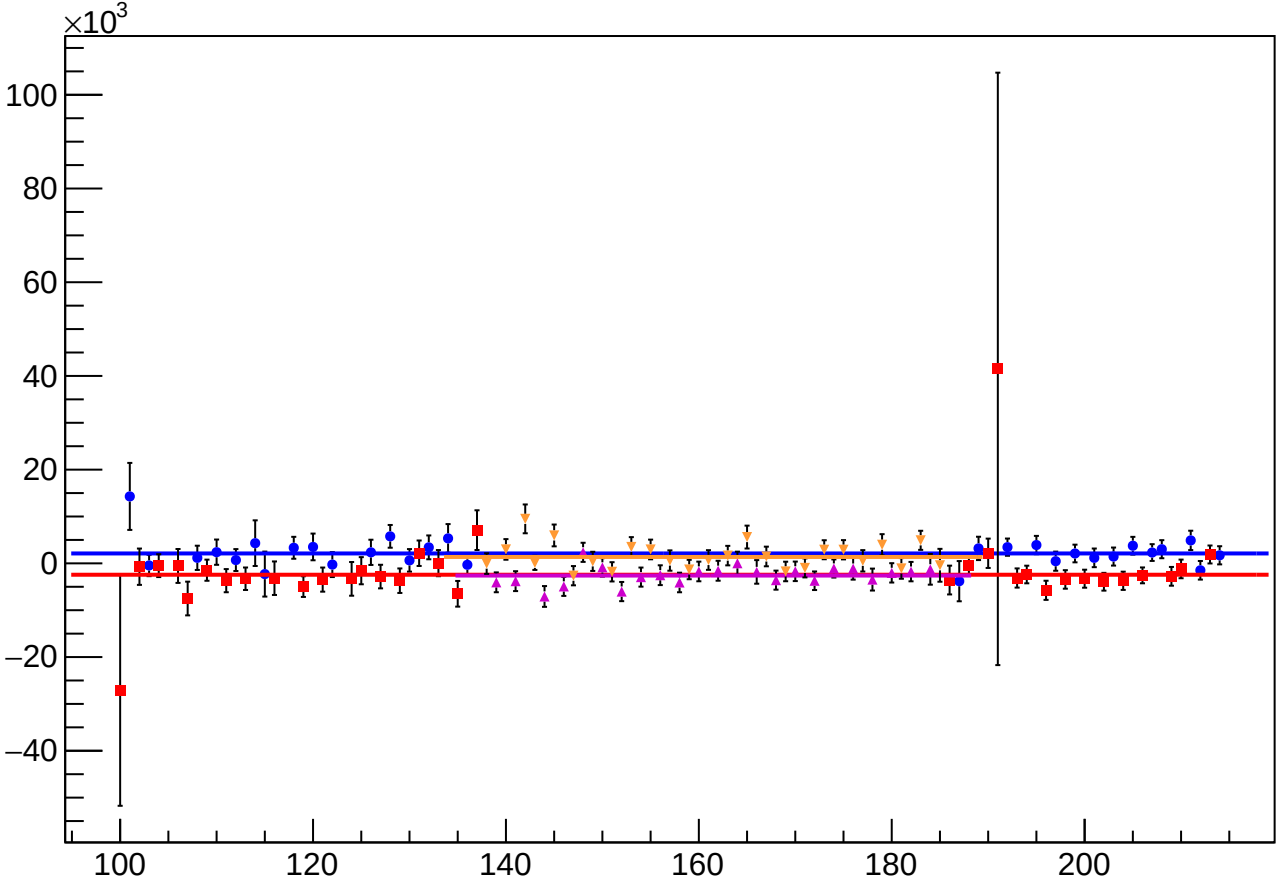
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4266.801+/-0.517 χ^2/NDF: 6498222.1/54

All: 4183.796+/-0.362 χ^2/NDF: 15397271.2/1

- sign 4103.686+/-0.508 χ^2/NDF: 8848357.9/56

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 2113.536+/-421.357 χ^2/NDF: 23.1/29

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2429.558+/-417.405 χ^2/NDF: 31.0/33

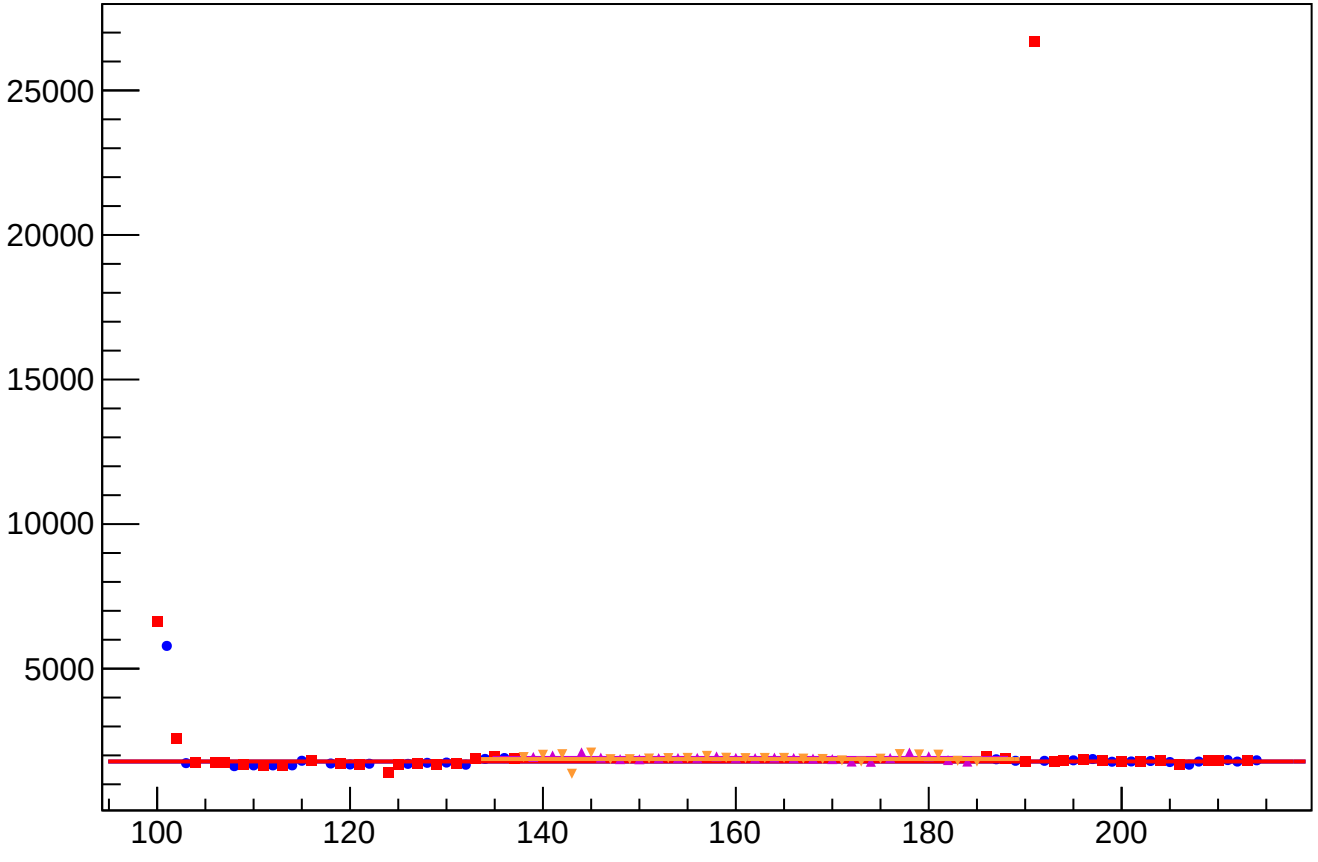
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1743.988+/-300.035 χ^2/NDF: 60.7/54

All: -348.295+/-213.889 χ^2/NDF: 210.8/111

- sign -2510.321+/-304.994 χ^2/NDF: 51.1/56

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.002+/-0.298 χ^2/NDF: 684695.2/29

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

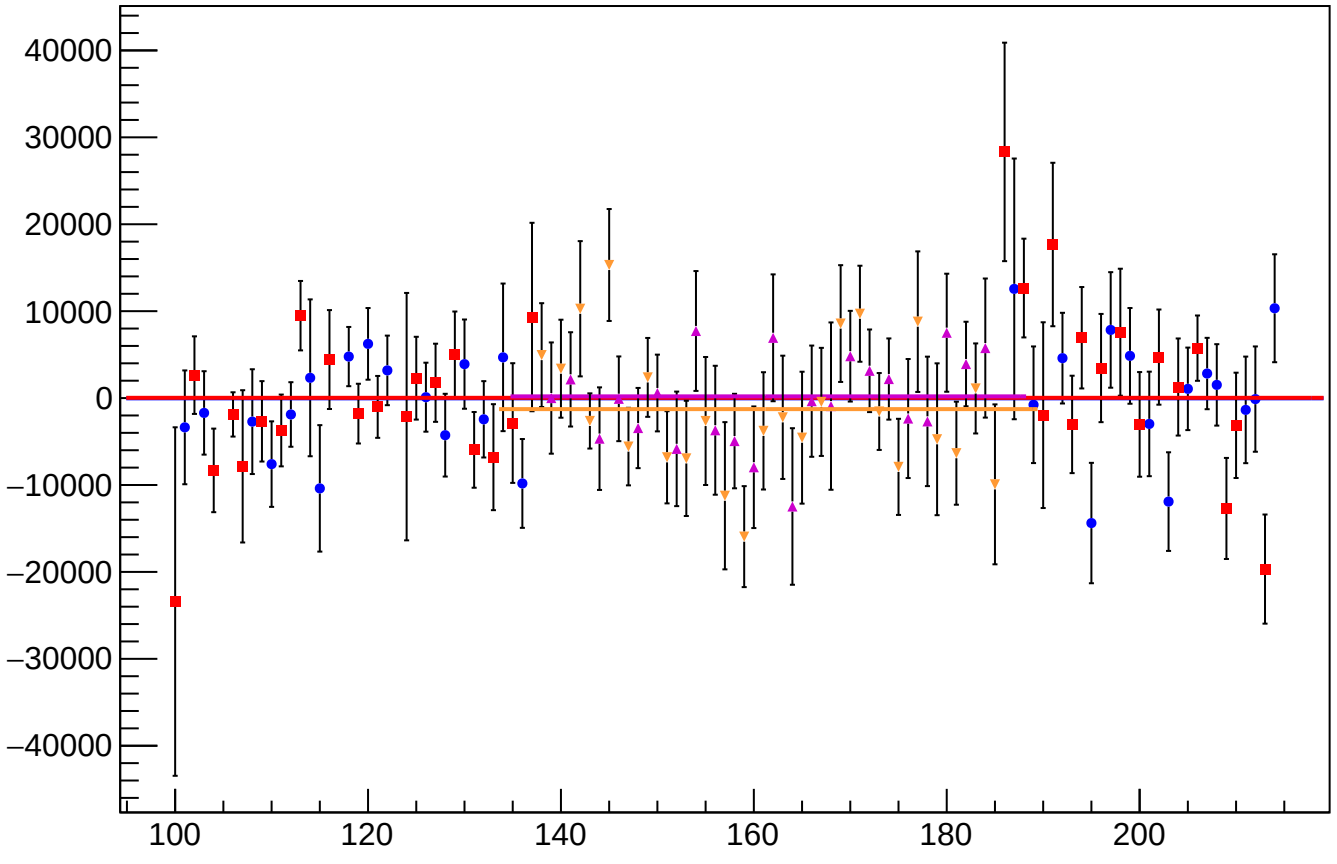
Right Out: 1790.479+/-0.295 χ^2/NDF: 563167.1/33

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1828.977+/-0.212 χ^2/NDF: 1036634.5/54

All: 1837.740+/-0.151 χ^2/NDF: 1740753.9/11

- sign 1846.786+/-0.216 χ^2/NDF: 700651.8/56



Right In: -29.848+/-943.294 χ^2/NDF: 32.0/29

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 30.649+/-882.678 χ^2/NDF: 54.2/33

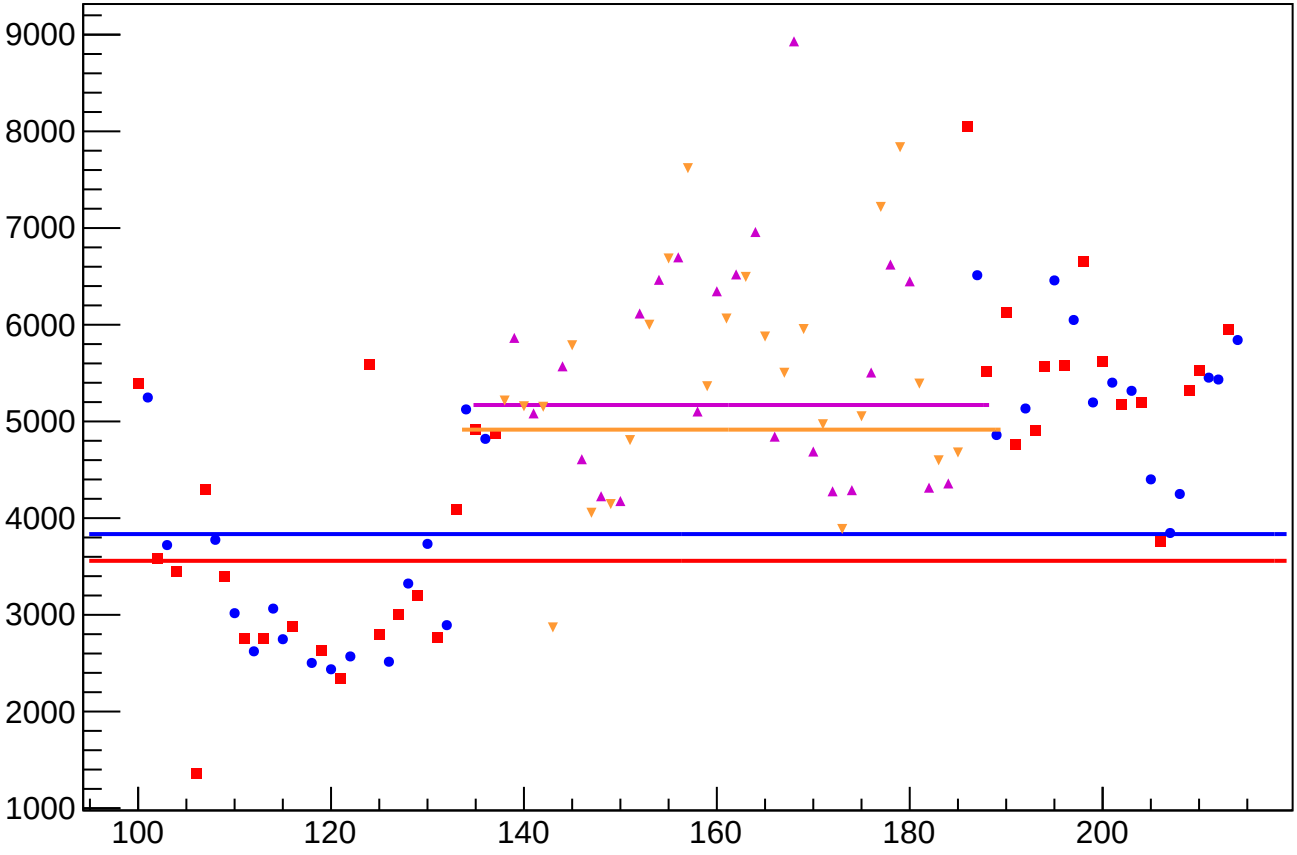
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -525.383+/-730.884 χ^2/NDF: 66.1/54

All: -213.812+/-512.207 χ^2/NDF: 133.4/111

\- sign 86.894+/-718.027 χ^2/NDF: 67.0/56

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3835.125+/-0.667 χ^2/NDF: 3284060.0/29

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3558.553+/-0.624 χ^2/NDF: 5244767.9/33

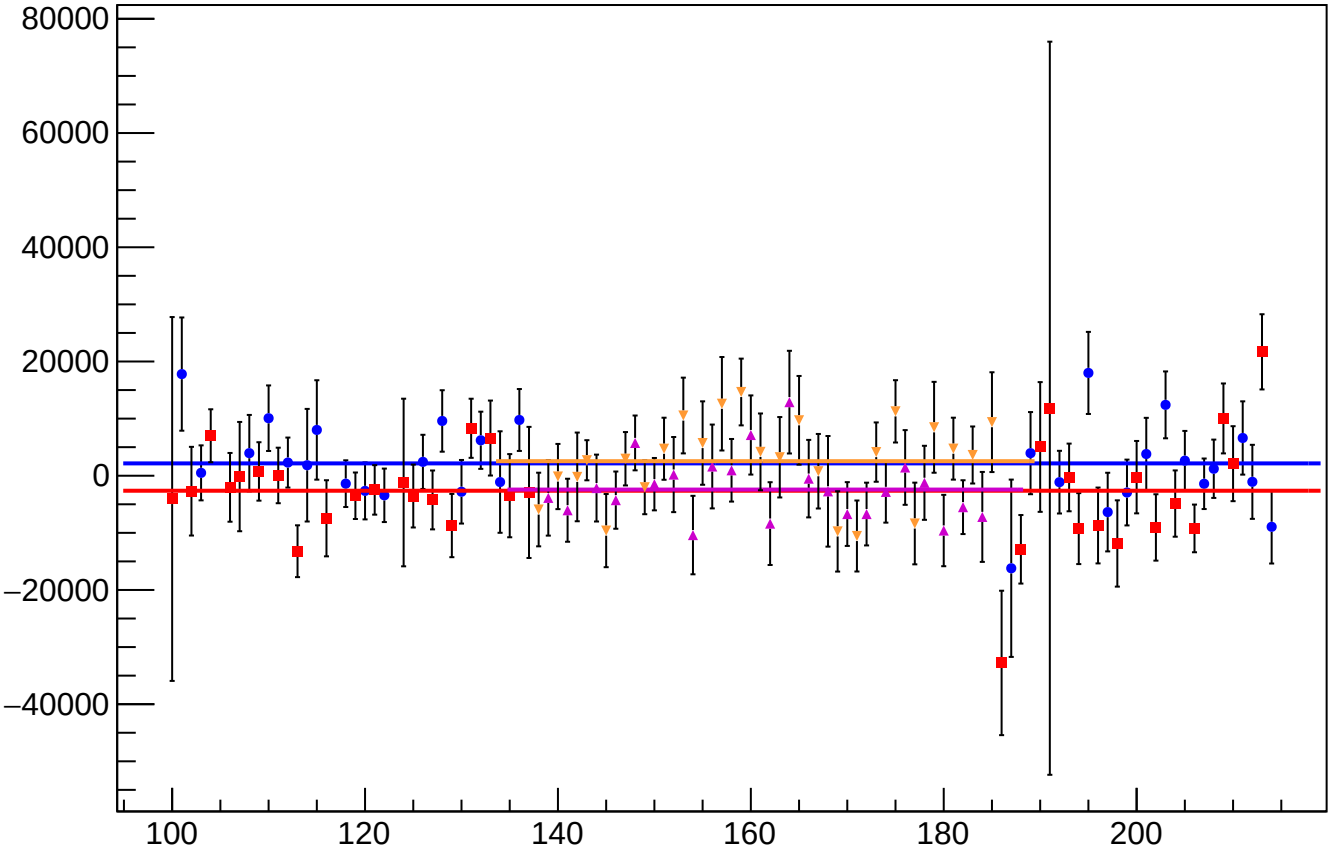
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4266.799+/-0.517 χ^2/NDF: 6498307.8/54

All: 4183.791+/-0.362 χ^2/NDF: 15397489.9/1

- sign 4103.678+/-0.508 χ^2/NDF: 8848488.0/56

asym_atr1l2_avg_mean vs Slug



Right In: 2159.821+/-1051.078 χ^2/NDF: 30.1/29

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -2627.170+/-1045.985 χ^2/NDF: 54.2/33

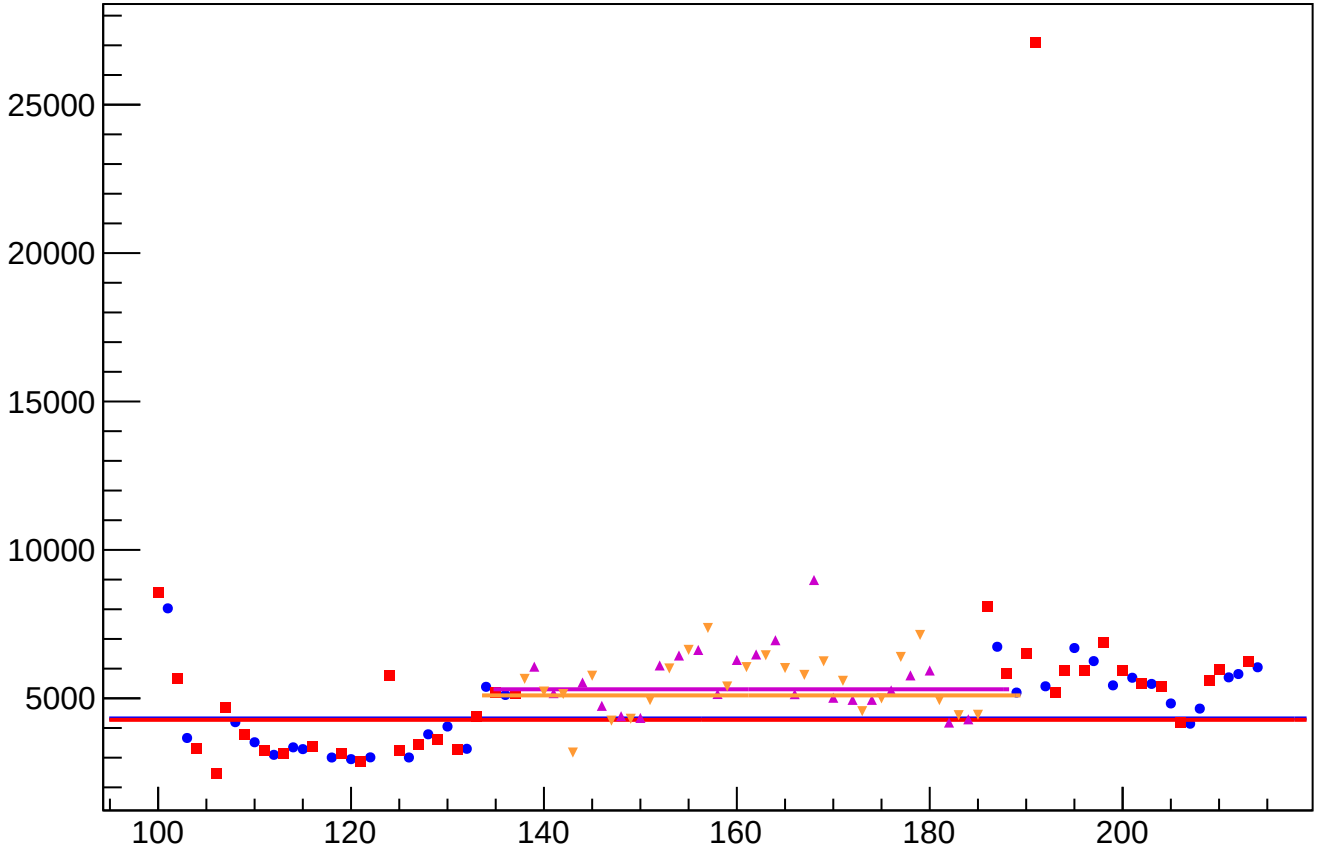
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2329.907+/-787.107 χ^2/NDF: 59.3/54

All: -53.059+/-562.691 χ^2/NDF: 147.2/111

- sign -2543.852+/-804.717 χ^2/NDF: 69.2/56

asym_atr1l2_avg_rms vs Slug



Right In: 4321.047+/-0.743 χ^2/NDF: 2562811.1/29

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

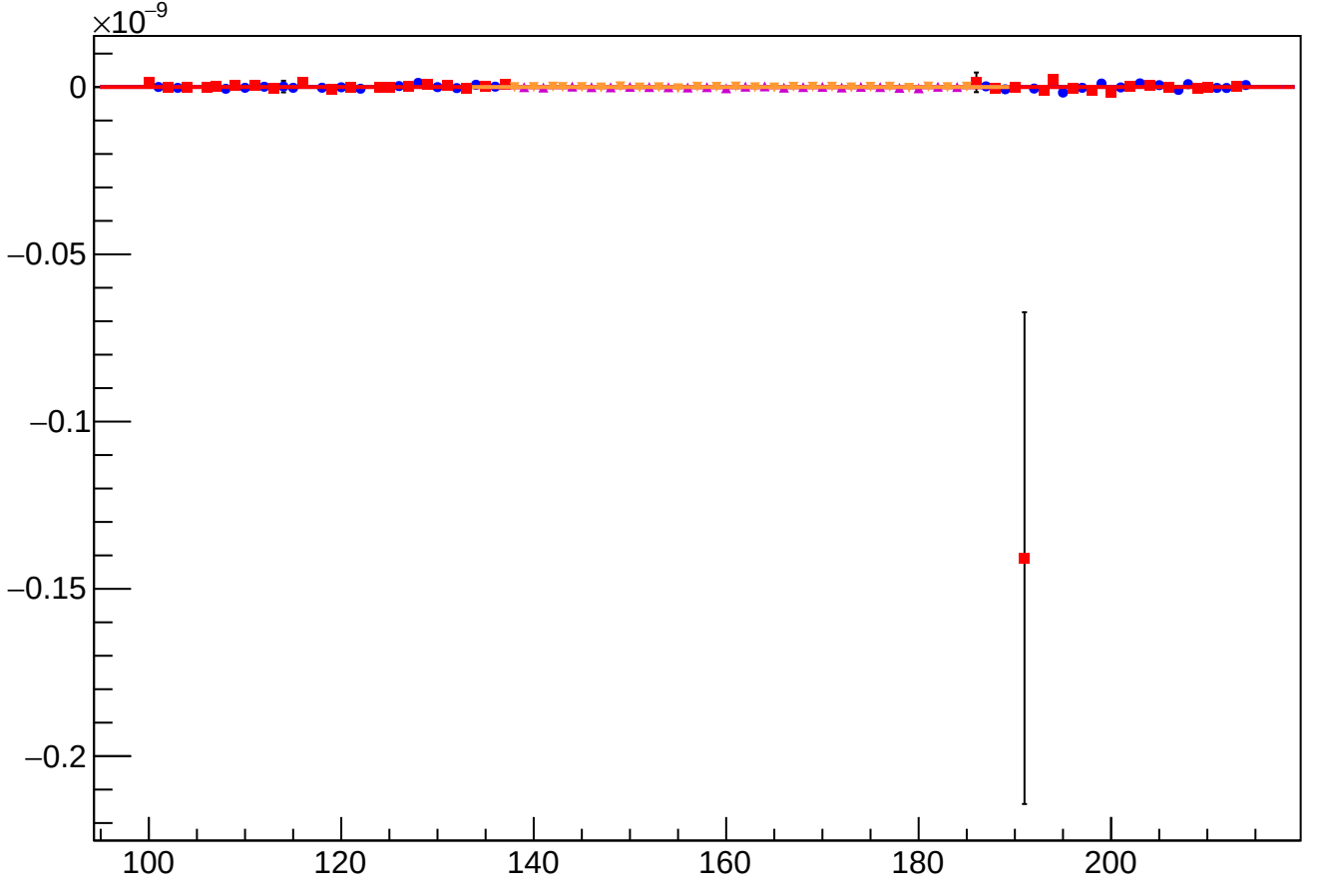
Right Out: 4275.040+/-0.733 χ^2/NDF: 3338231.5/33

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4662.293+/-0.557 χ^2/NDF: 4587174.8/54

All: 4676.086+/-0.397 χ^2/NDF: 9740873.7/11

- sign 4690.342+/-0.566 χ^2/NDF: 5152450.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

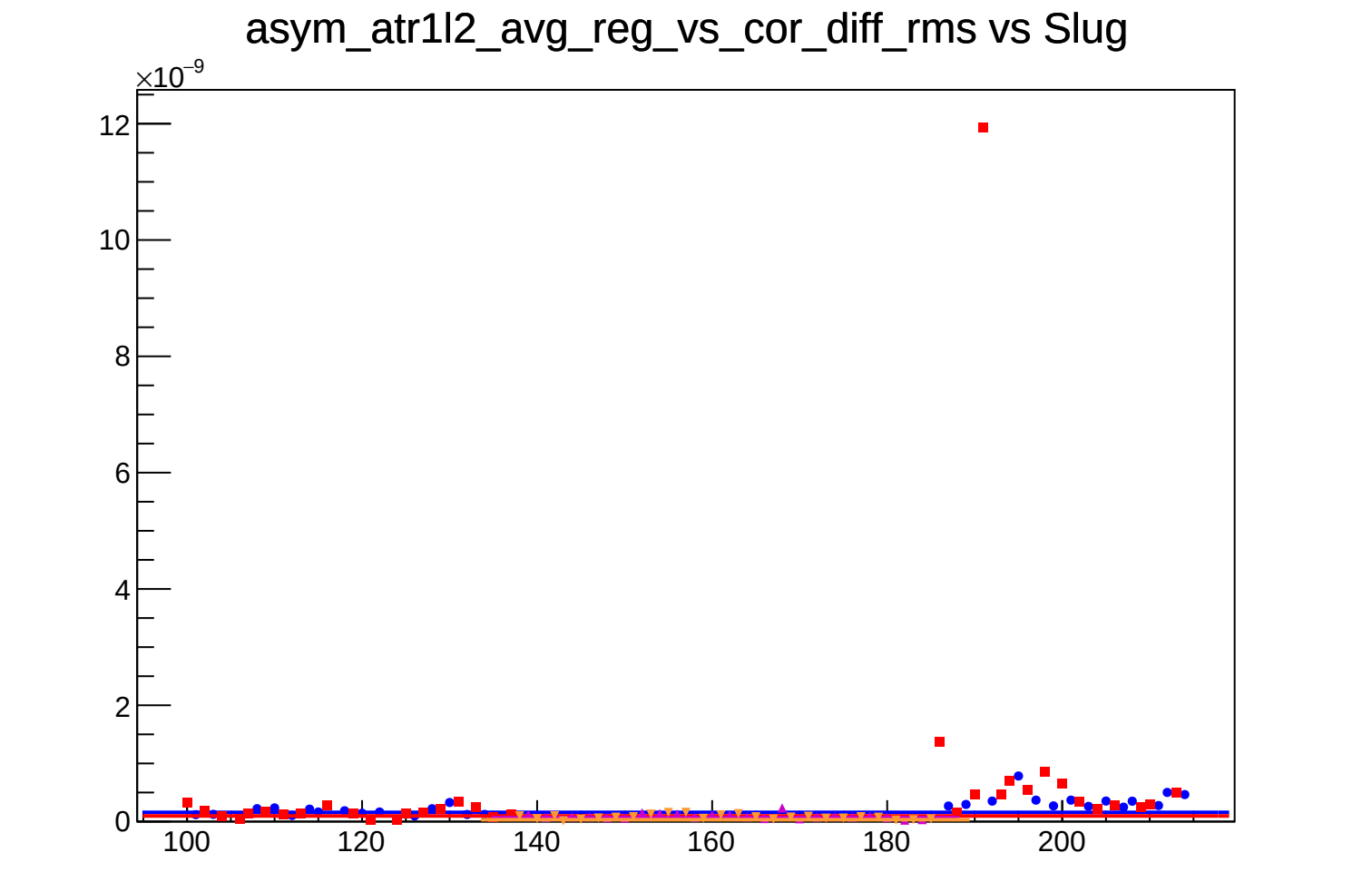
Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/33

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.2/54

All: 0.000+/-0.000 χ^2/NDF: 117.3/111

- sign 0.000+/-0.000 χ^2/NDF: 64.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 3938954.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8103387.5/33

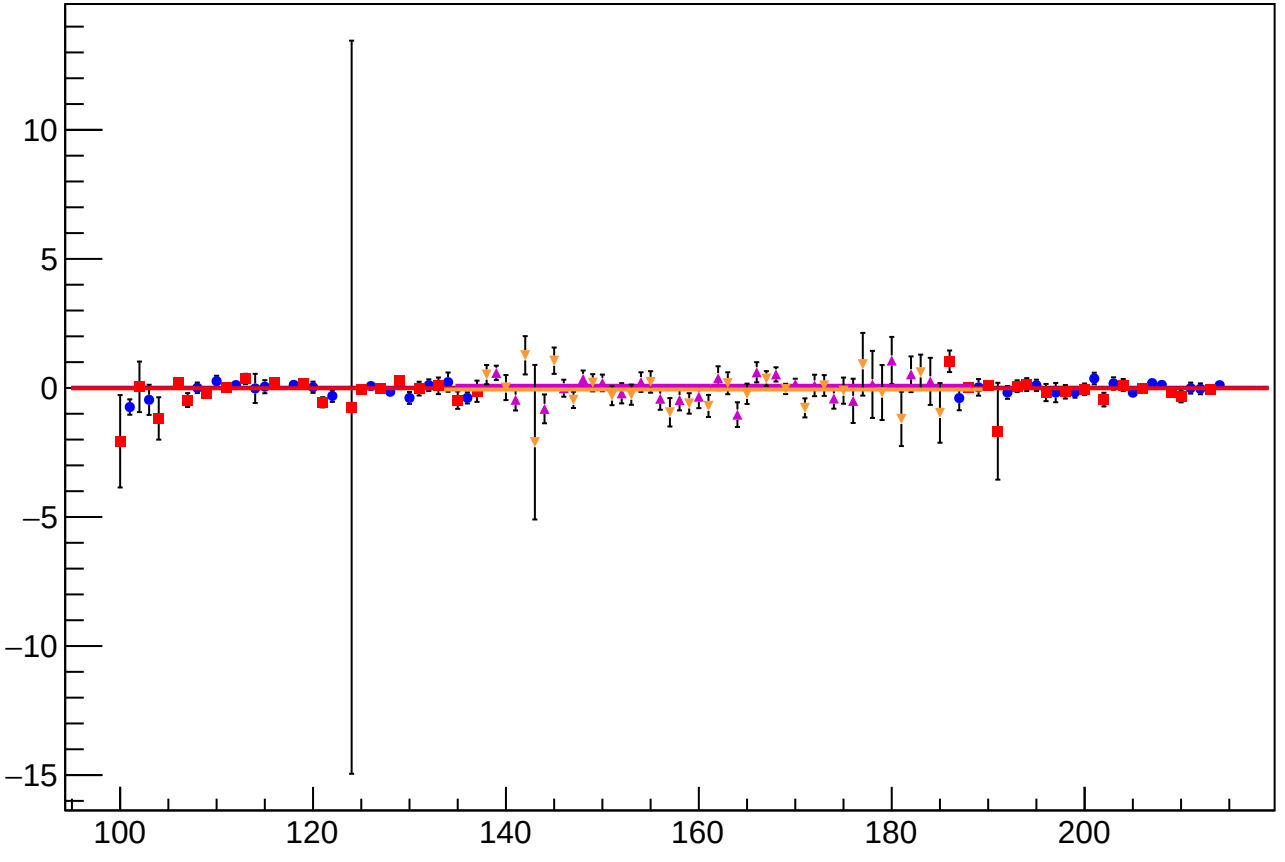
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16783626.0/54

All: 0.000+/-0.000 χ^2/NDF: 30455248.9/111

- sign 0.000+/-0.000 χ^2/NDF: 11065184.3/56

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.038 χ^2/NDF: 28.6/29

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.036 χ^2/NDF: 43.0/33

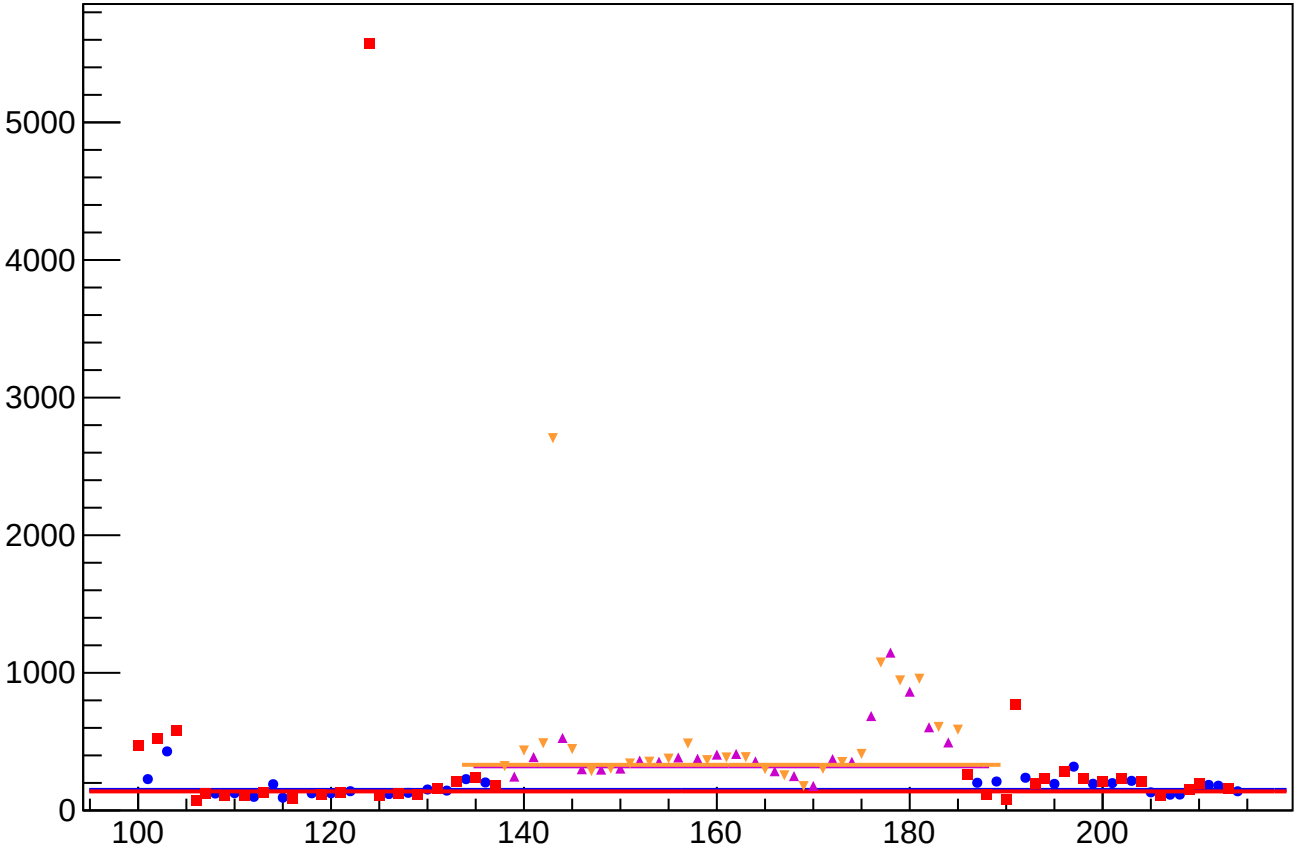
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.004+/-0.035 χ^2/NDF: 59.9/54

All: -0.000+/-0.024 χ^2/NDF: 131.1/111

\- sign 0.003+/-0.033 χ^2/NDF: 71.2/56

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 149.277+/-0.027 χ^2/NDF: 2956986.1/29

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.471+/-0.026 χ^2/NDF: 5097063.2/33

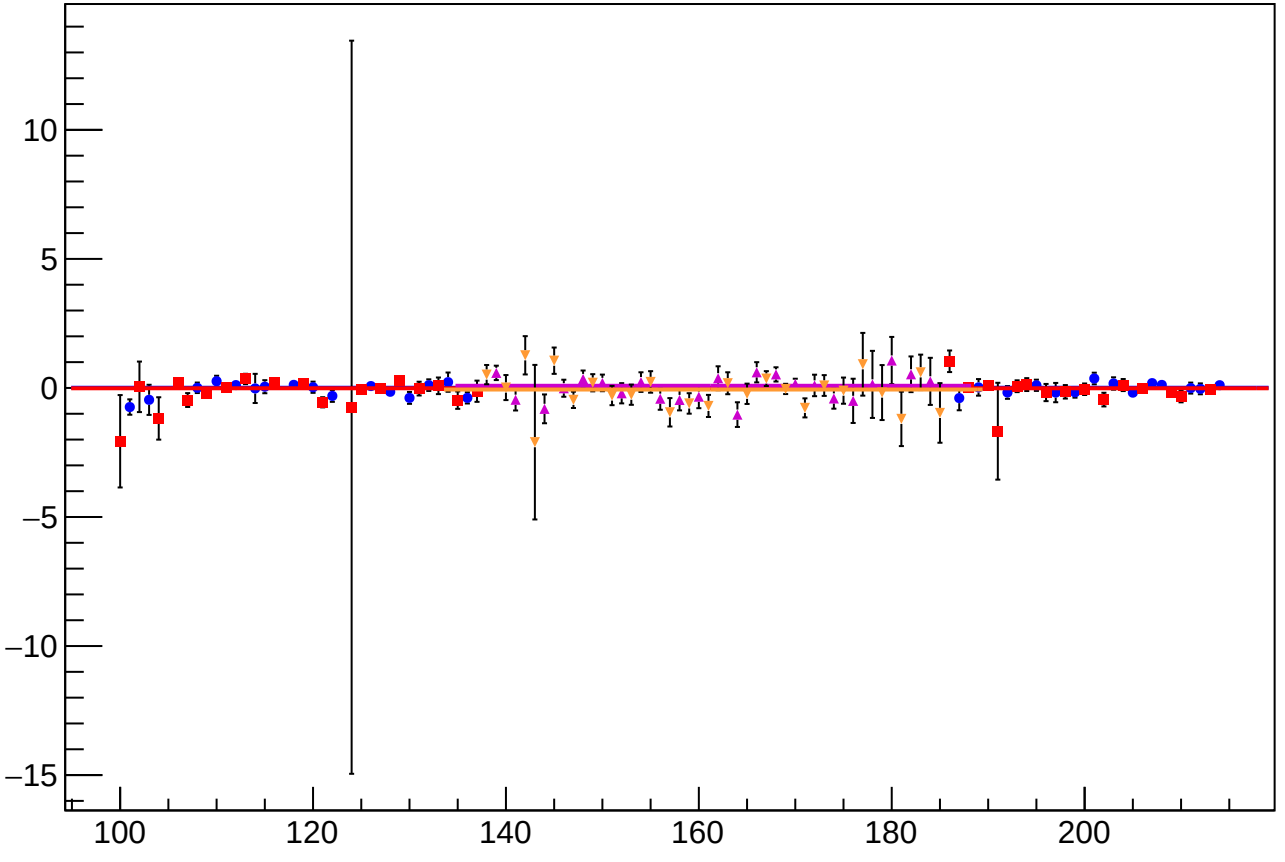
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 180.698+/-0.025 χ^2/NDF: 16655831.3/54

All: 174.538+/-0.017 χ^2/NDF: 34526642.2/11

- sign 168.923+/-0.023 χ^2/NDF: 17750599.6/56

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.038 χ^2/NDF: 28.6/29

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.036 χ^2/NDF: 43.0/33

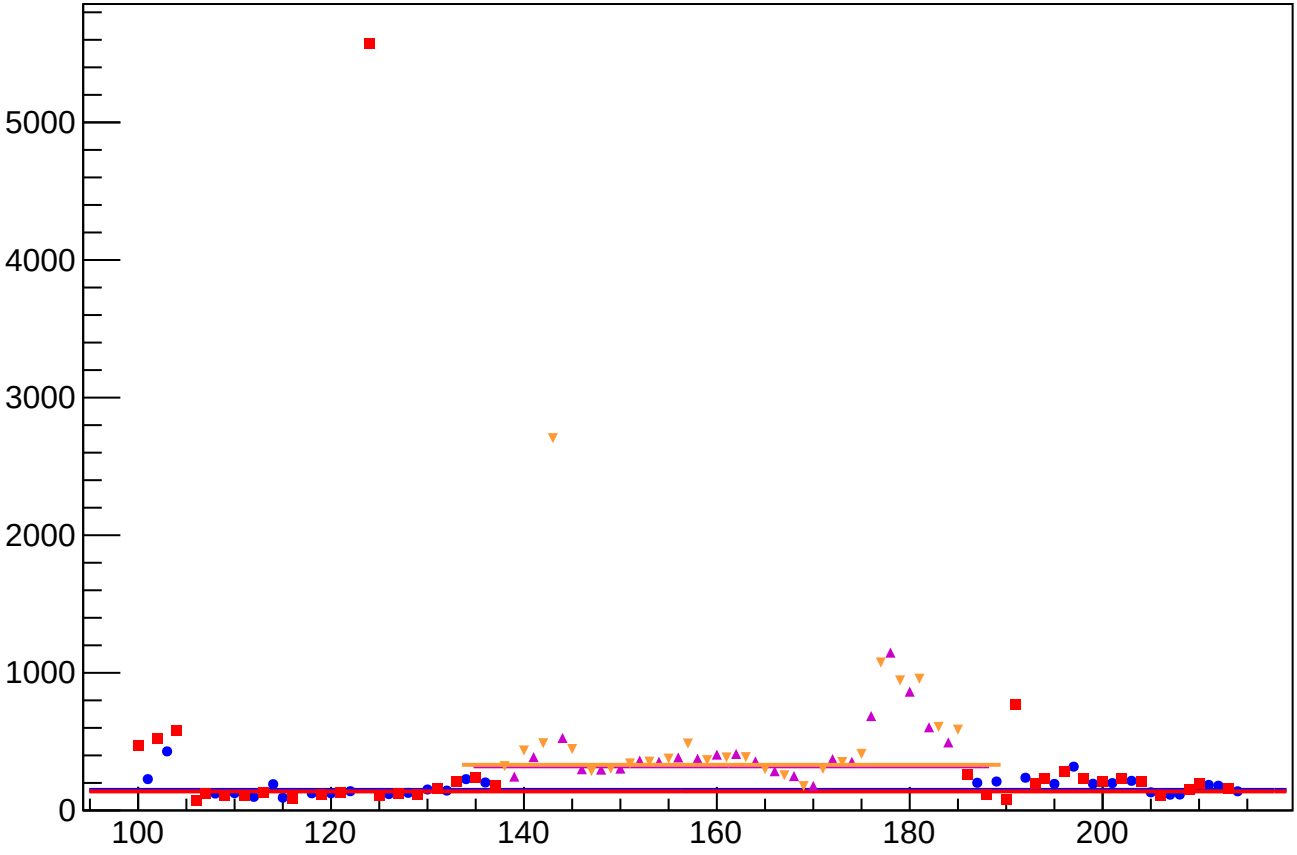
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.004+/-0.035 χ^2/NDF: 59.9/54

All: -0.000+/-0.024 χ^2/NDF: 131.1/111

\- sign 0.003+/-0.033 χ^2/NDF: 71.2/56

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 149.277+/-0.027 χ^2/NDF: 2956986.1/29

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

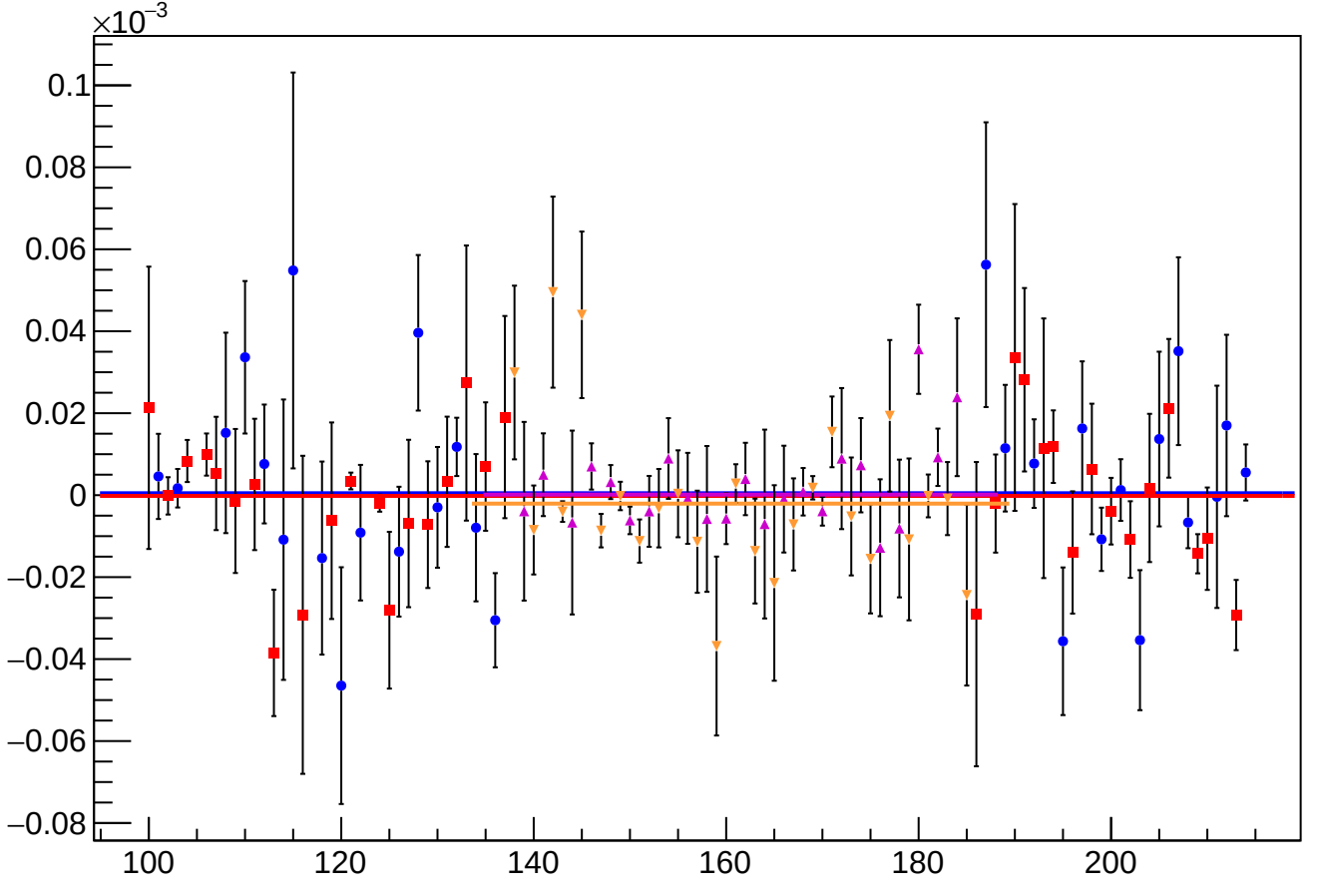
Right Out: 138.471+/-0.026 χ^2/NDF: 5097063.2/33

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 180.698+/-0.025 χ^2/NDF: 16655831.3/54

All: 174.538+/-0.017 χ^2/NDF: 34526642.2/11

- sign 168.923+/-0.023 χ^2/NDF: 17750599.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 44.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

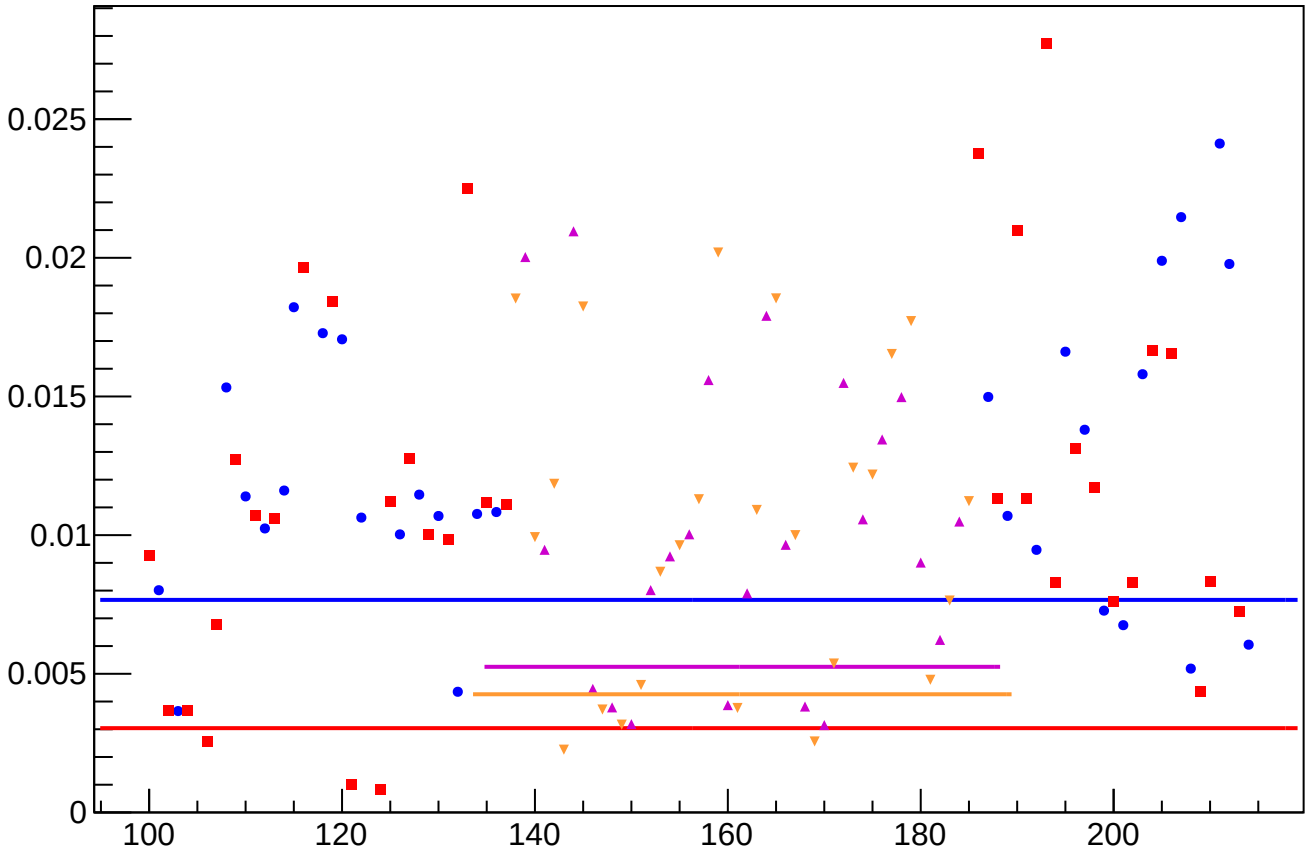
Right Out: -0.000+/-0.000 χ^2/NDF: 52.0/33

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.9/54

All: -0.000+/-0.000 χ^2/NDF: 157.7/111

- sign -0.000+/-0.000 χ^2/NDF: 76.9/56



Right In: 0.008+/-0.000 χ^2/NDF: 8008662.9/29

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

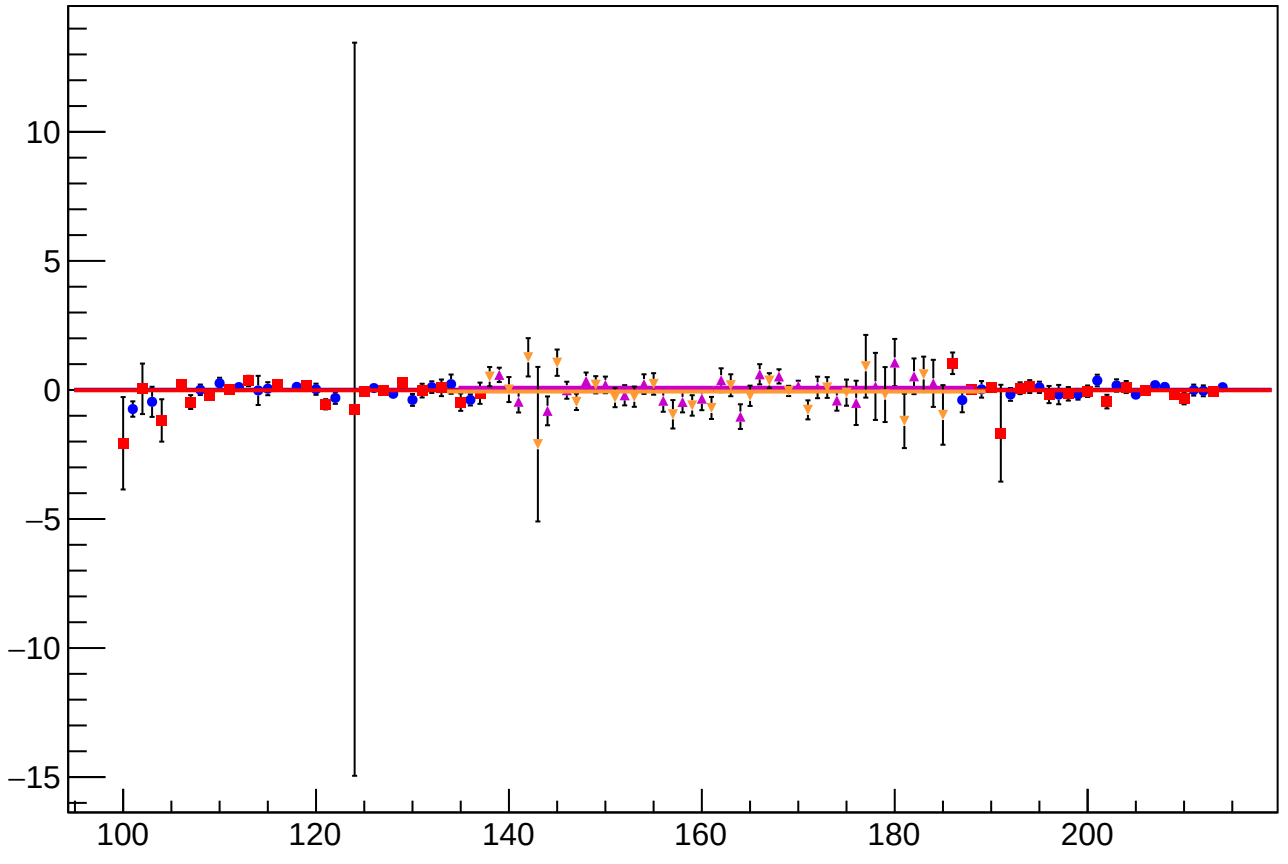
Right Out: 0.003+/-0.000 χ^2/NDF: 20701795.2/33

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 24853386.4/54

All: 0.004+/-0.000 χ^2/NDF: 59506099.5/111

- sign 0.004+/-0.000 χ^2/NDF: 32939105.1/56



Right In: 0.008+/-0.038 χ^2/NDF: 28.6/29

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.036 χ^2/NDF: 43.0/33

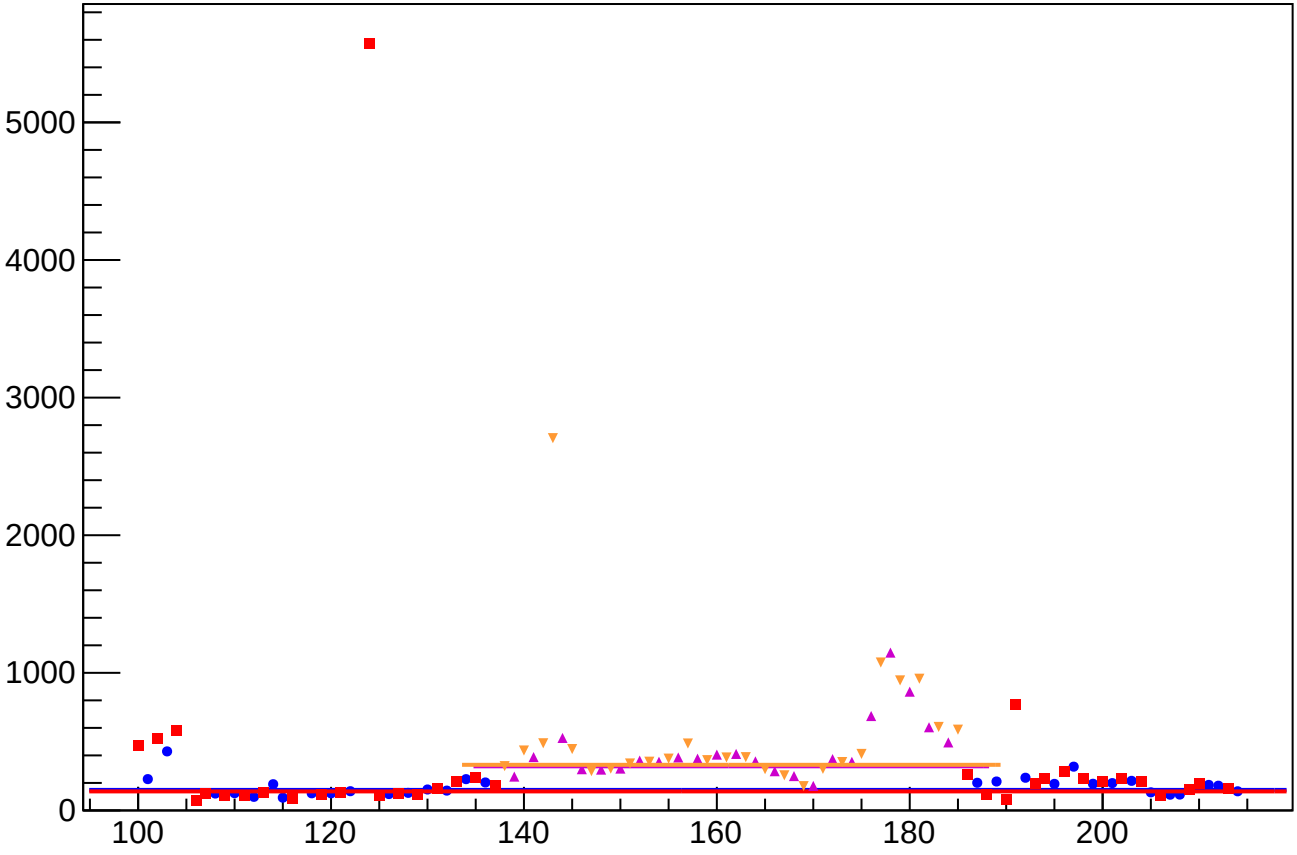
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.004+/-0.035 χ^2/NDF: 59.9/54

All: -0.000+/-0.024 χ^2/NDF: 131.1/111

\- sign 0.003+/-0.033 χ^2/NDF: 71.2/56

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 149.277+/-0.027 χ^2/NDF: 2956962.1/29

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

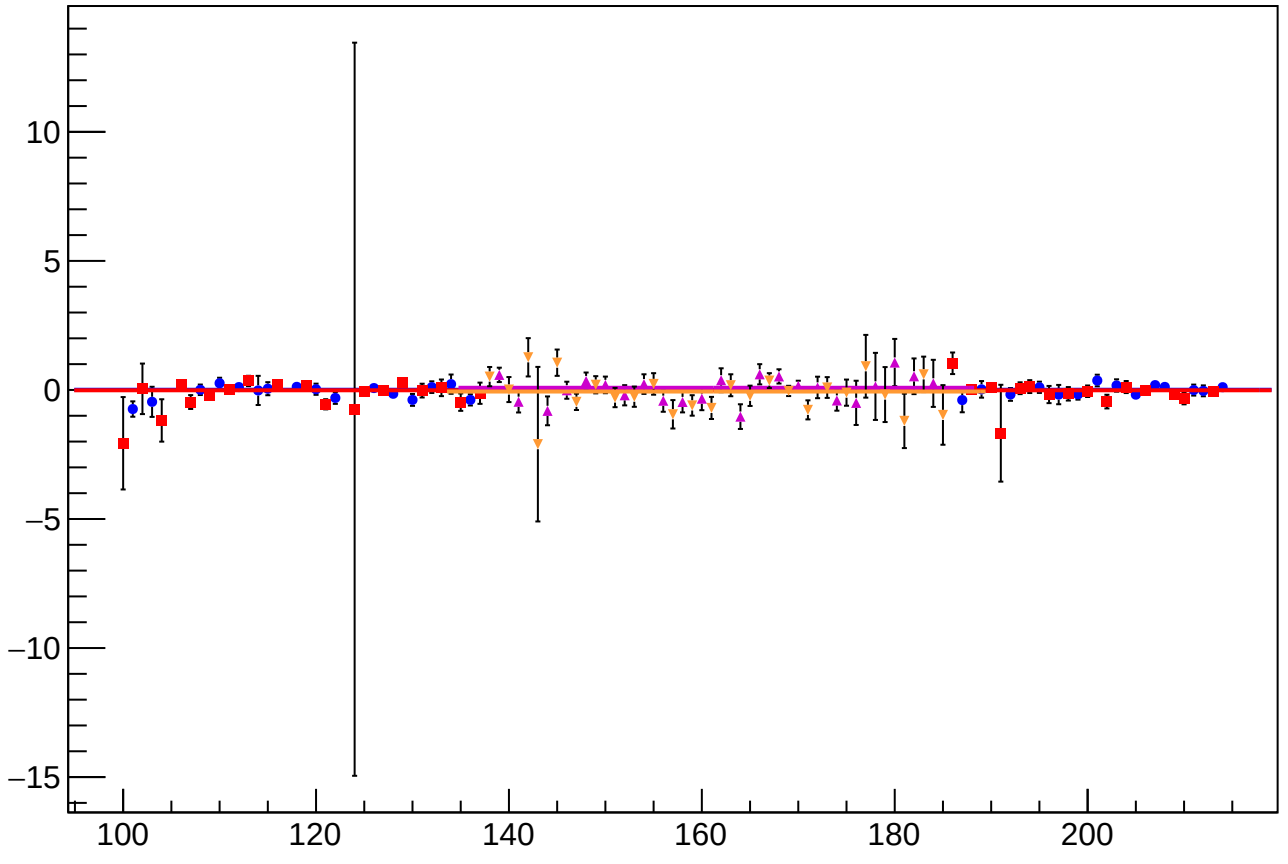
Right Out: 138.470+/-0.026 χ^2/NDF: 5097088.7/33

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 180.698+/-0.025 χ^2/NDF: 16655924.6/54

All: 174.538+/-0.017 χ^2/NDF: 34527000.6/11

- sign 168.922+/-0.023 χ^2/NDF: 17750843.2/56



Right In: 0.008+/-0.038 χ^2/NDF: 28.6/29

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

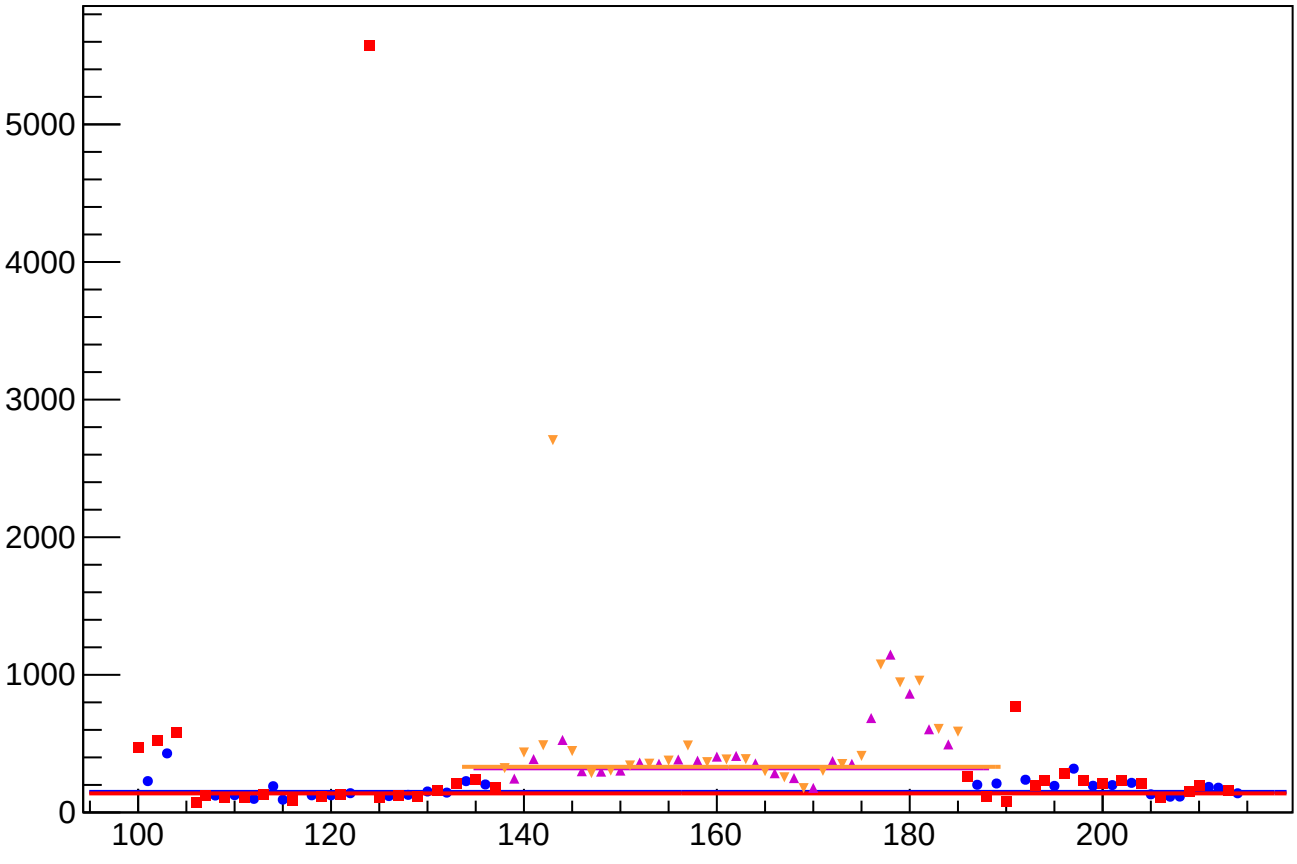
Right Out: -0.013+/-0.036 χ^2/NDF: 43.0/33

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.004+/-0.035 χ^2/NDF: 59.9/54

All: -0.000+/-0.024 χ^2/NDF: 131.1/111

\- sign 0.003+/-0.033 χ^2/NDF: 71.2/56



Right In: 149.277+/-0.027 χ^2/NDF: 2956962.1/29

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.470+/-0.026 χ^2/NDF: 5097088.7/33

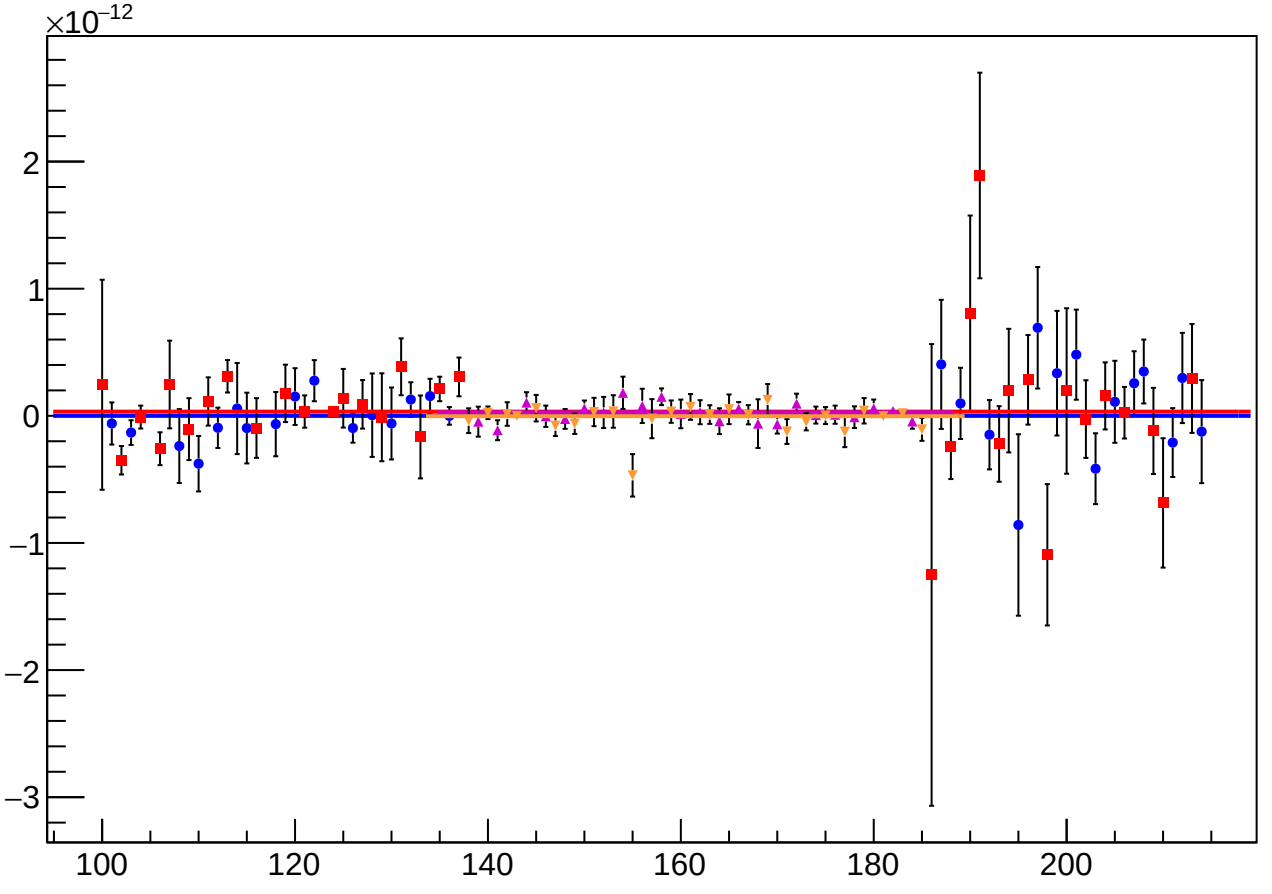
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 180.698+/-0.025 χ^2/NDF: 16655924.6/54

All: 174.538+/-0.017 χ^2/NDF: 34527000.6/11

- sign 168.922+/-0.023 χ^2/NDF: 17750843.2/56

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

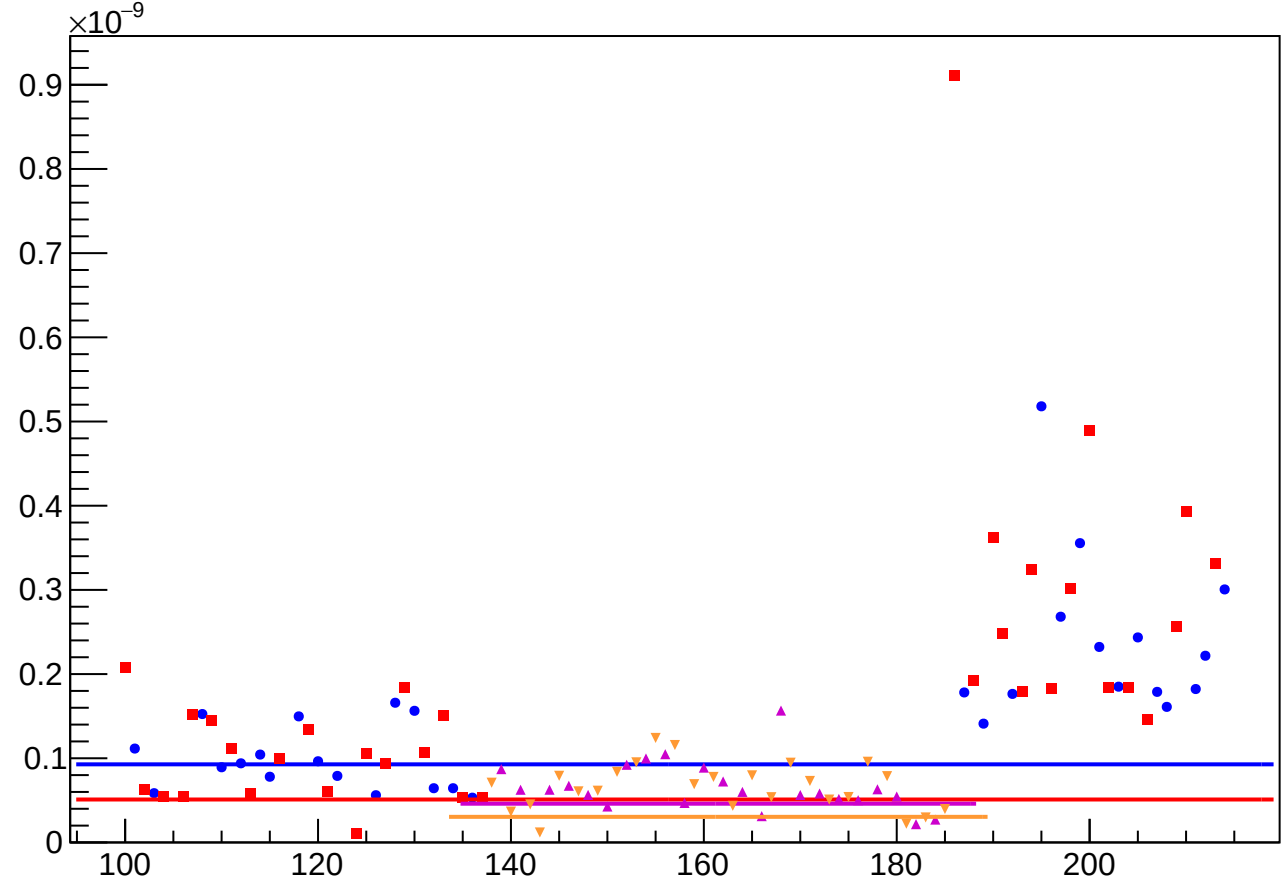
Right Out: 0.000+/-0.000 χ^2/NDF: 49.4/33

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.1/54

All: 0.000+/-0.000 χ^2/NDF: 112.4/111

- sign 0.000+/-0.000 χ^2/NDF: 65.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 5920495.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12655223.7/33

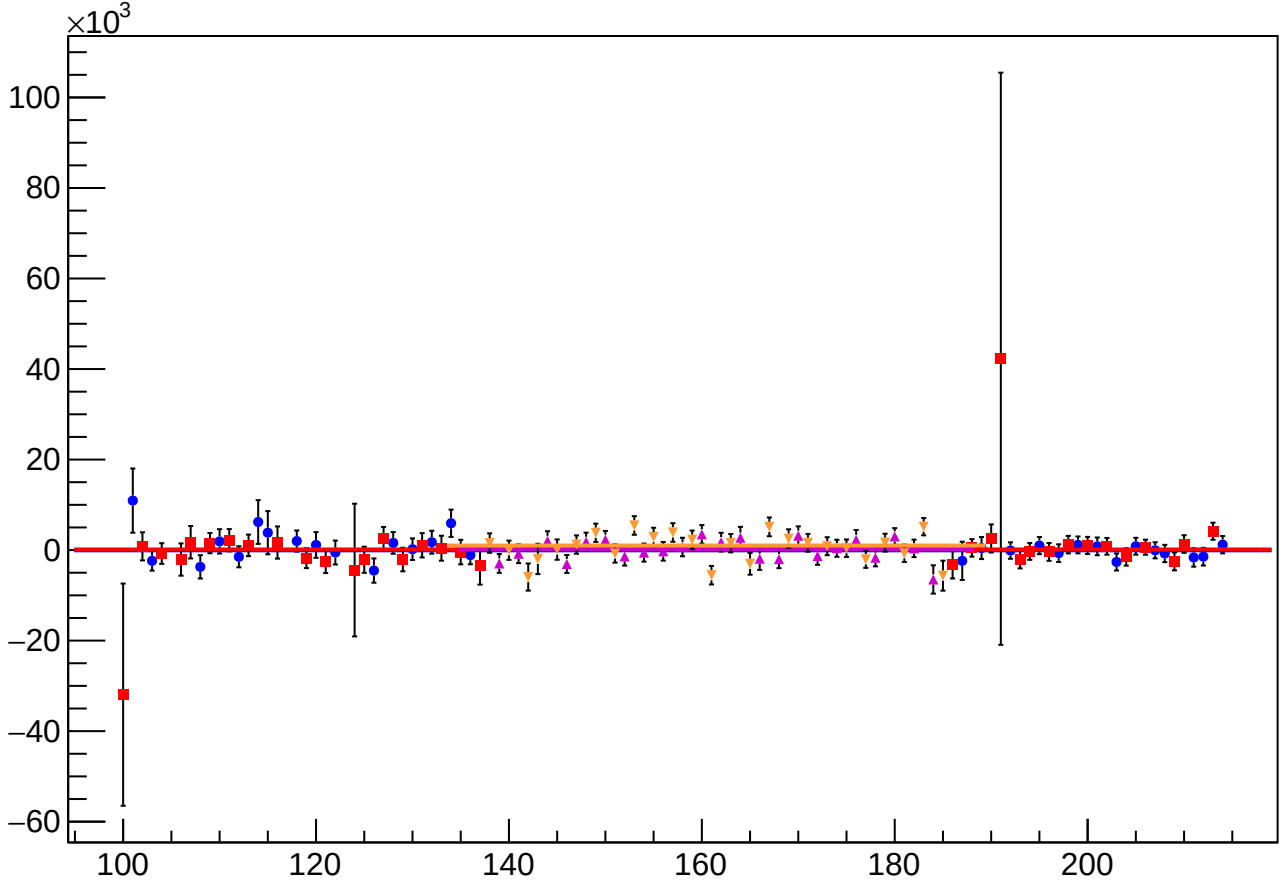
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 22466685.2/54

All: 0.000+/-0.000 χ^2/NDF: 41058013.9/111

- sign 0.000+/-0.000 χ^2/NDF: 17616670.3/56

reg_asym_atr1l2_dd_mean vs Slug



Right In: -46.868+/-415.247 χ^2/NDF: 22.9/29

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 135.151+/-412.410 χ^2/NDF: 20.9/33

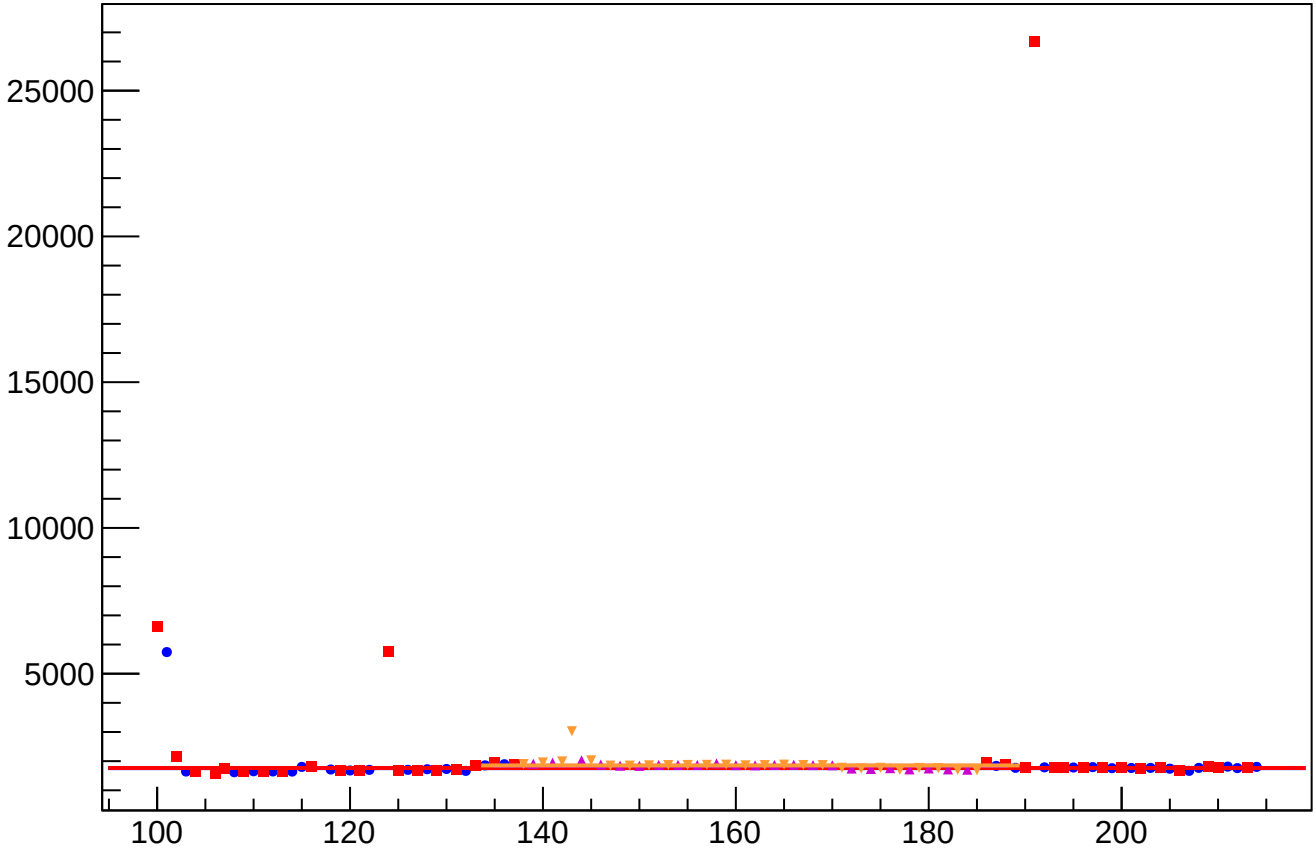
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 469.447+/-296.183 χ^2/NDF: 73.4/54

All: 325.537+/-209.912 χ^2/NDF: 121.2/111

- sign 180.304+/-297.542 χ^2/NDF: 47.3/56

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1760.444+/-0.294 χ^2/NDF: 680161.8/29

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1766.088+/-0.291 χ^2/NDF: 646353.2/33

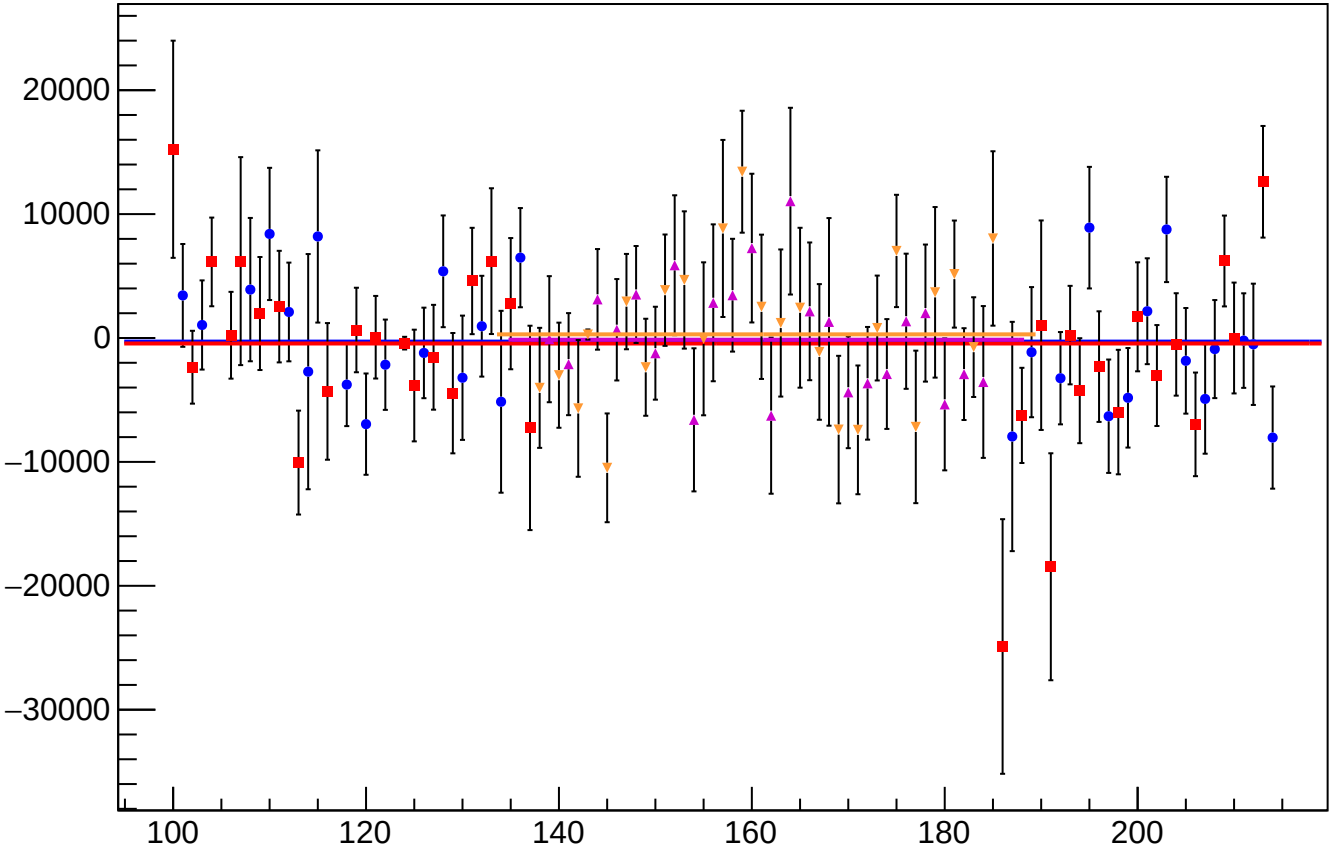
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.683+/-0.209 χ^2/NDF: 1049521.6/54

All: 1803.207+/-0.148 χ^2/NDF: 1794303.0/11

- sign 1800.716+/-0.210 χ^2/NDF: 744501.0/56

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -290.841+/-804.420 χ^2/NDF: 32.9/29

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -443.615+/-427.113 χ^2/NDF: 48.1/33

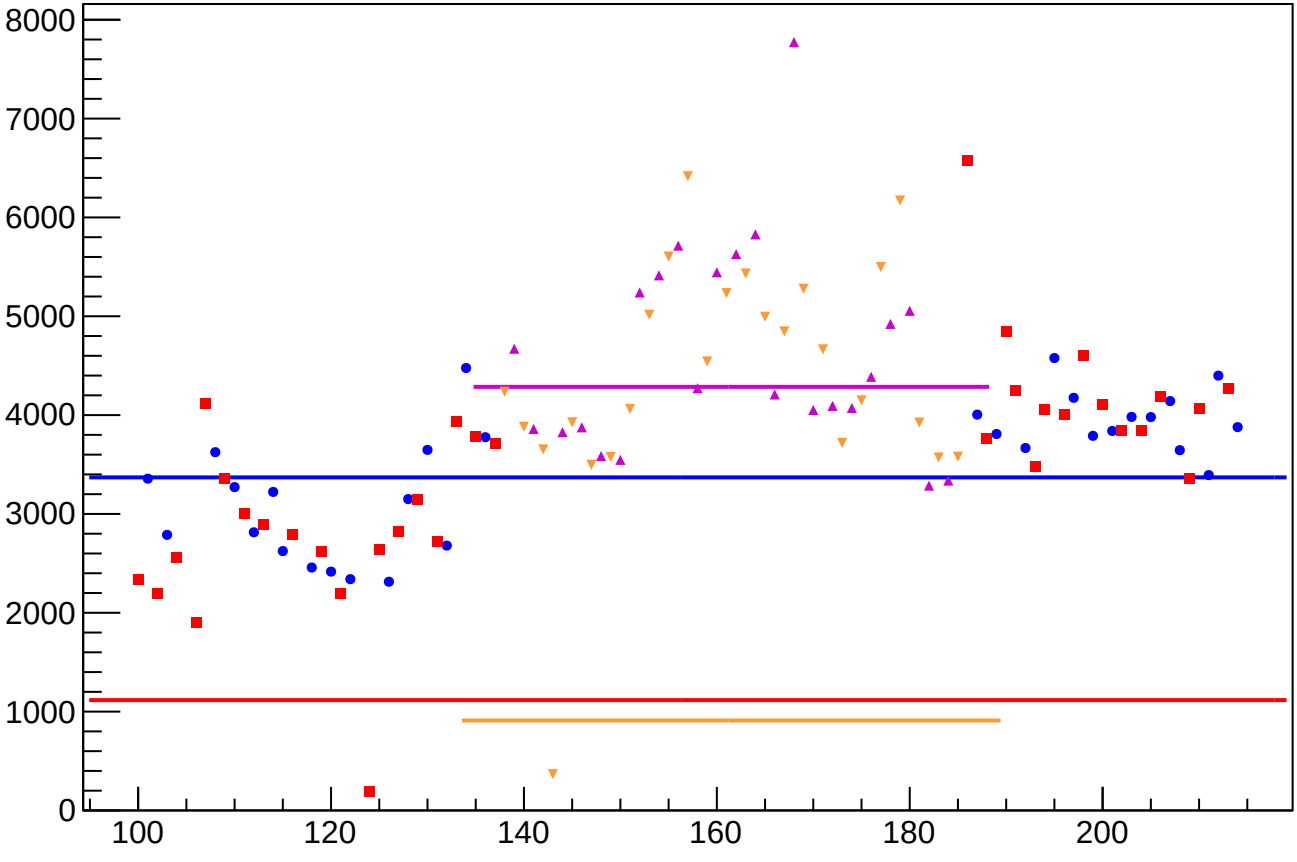
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 187.670+/-343.534 χ^2/NDF: 63.4/54

All: -65.306+/-258.970 χ^2/NDF: 126.8/111

- sign -398.297+/-394.137 χ^2/NDF: 62.1/56

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3369.824+/-0.569 χ^2/NDF: 1374819.0/29

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1116.399+/-0.302 χ^2/NDF: 23876978.9/33

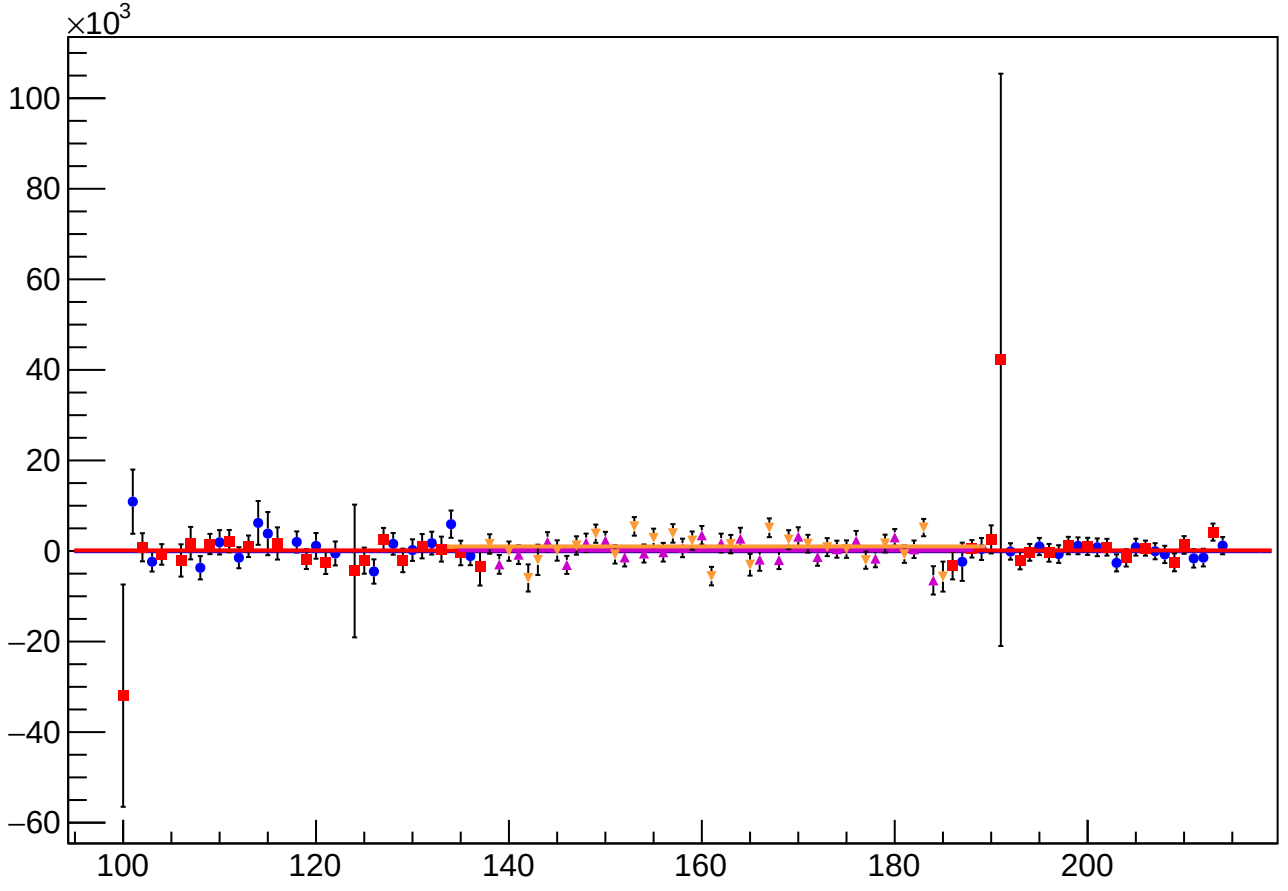
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1358.731+/-0.243 χ^2/NDF: 43437866.9/54

All: 1457.243+/-0.183 χ^2/NDF: 85373091.2/1

- sign 1586.914+/-0.279 χ^2/NDF: 41554280.0/56

cor_asym_atr1l2_dd_mean vs Slug



Right In: -47.037+/-415.247 χ^2/NDF: 22.9/29

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 135.158+/-412.410 χ^2/NDF: 20.9/33

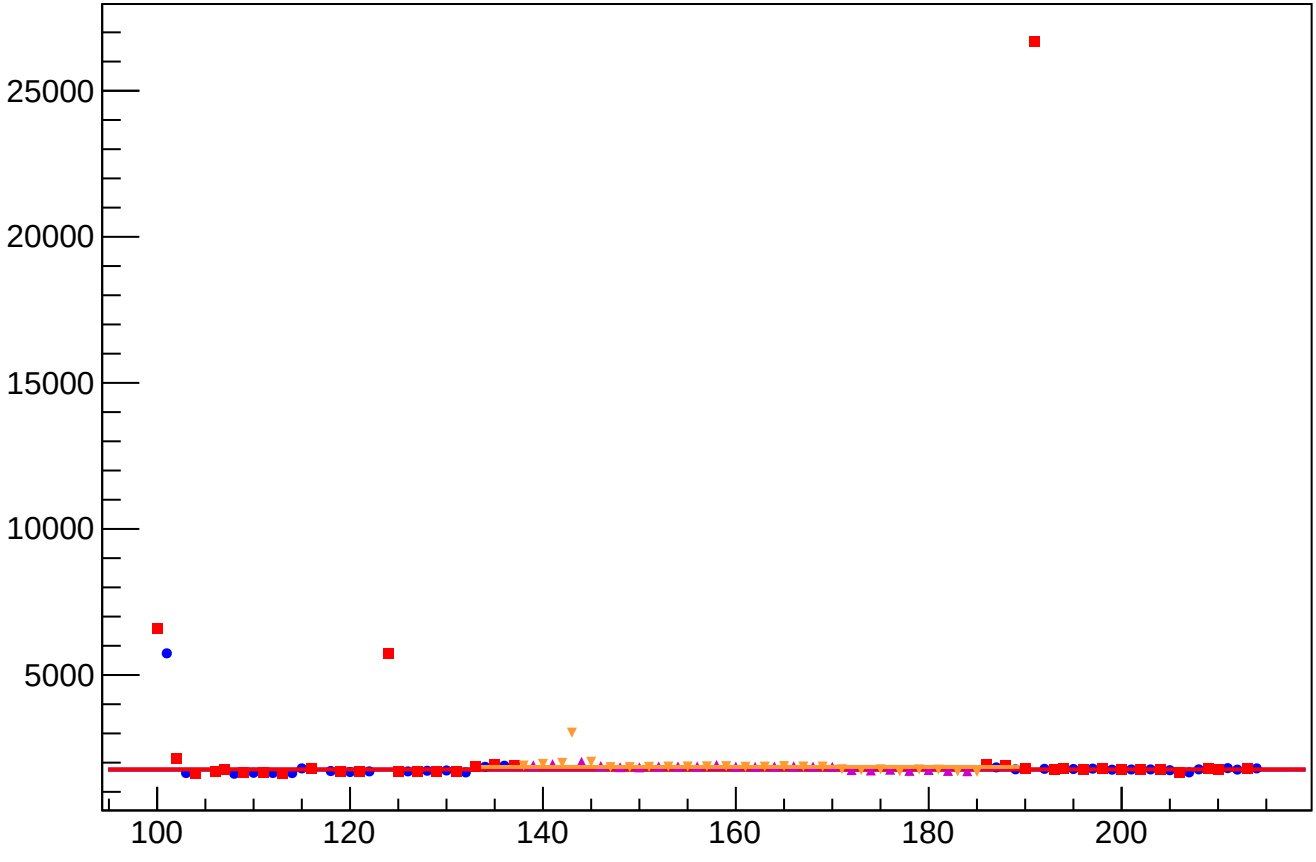
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 469.341+/-296.183 χ^2/NDF: 73.4/54

All: 325.465+/-209.912 χ^2/NDF: 121.2/111

- sign 180.266+/-297.542 χ^2/NDF: 47.3/56

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1760.444+/-0.294 χ^2/NDF: 680162.0/29

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

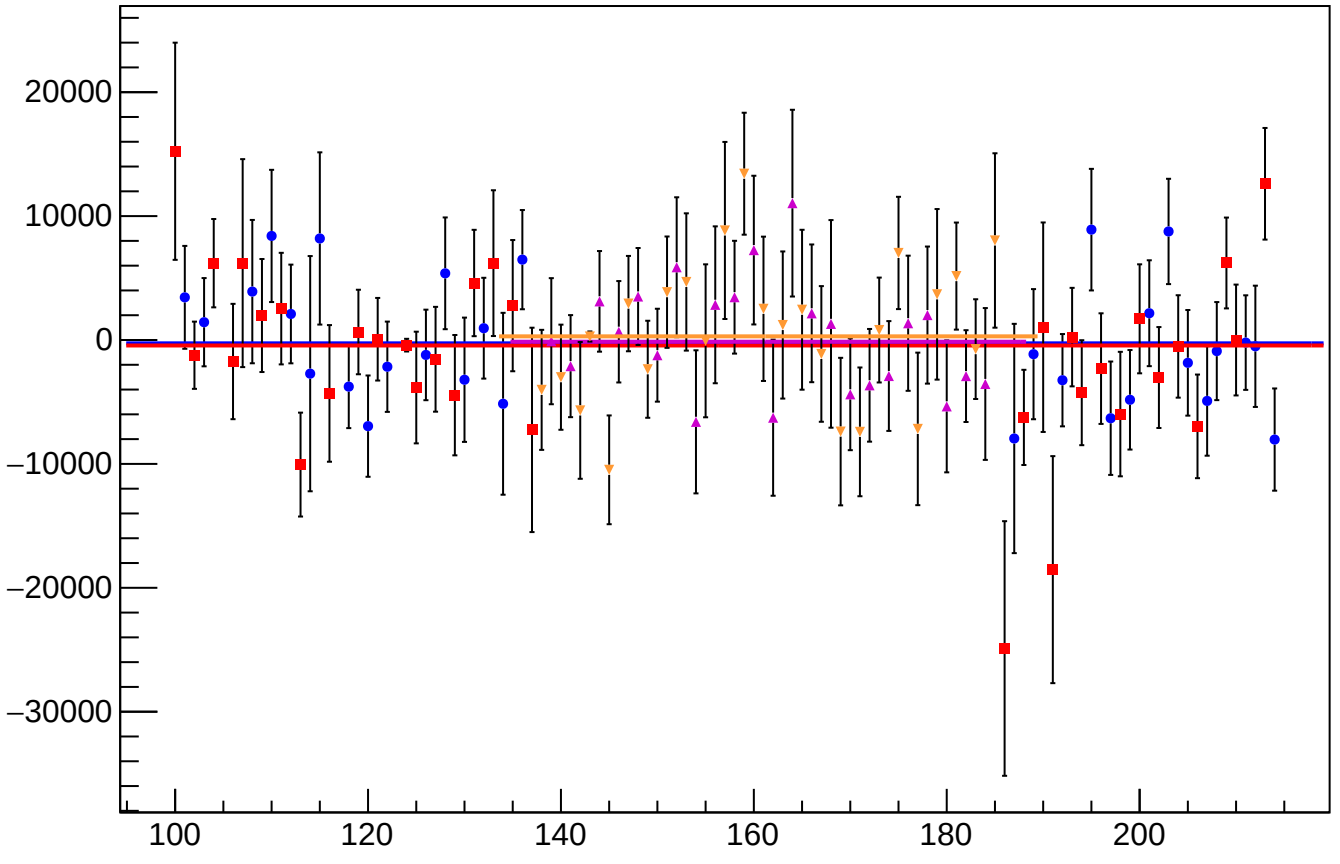
Right Out: 1768.832+/-0.291 χ^2/NDF: 638200.5/33

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.683+/-0.209 χ^2/NDF: 1049521.9/54

All: 1803.947+/-0.148 χ^2/NDF: 1783765.4/11

- sign 1802.198+/-0.210 χ^2/NDF: 734105.5/56



Right In: -269.769+/-804.015 χ^2/NDF: 33.0/29

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -442.068+/-427.855 χ^2/NDF: 48.0/33

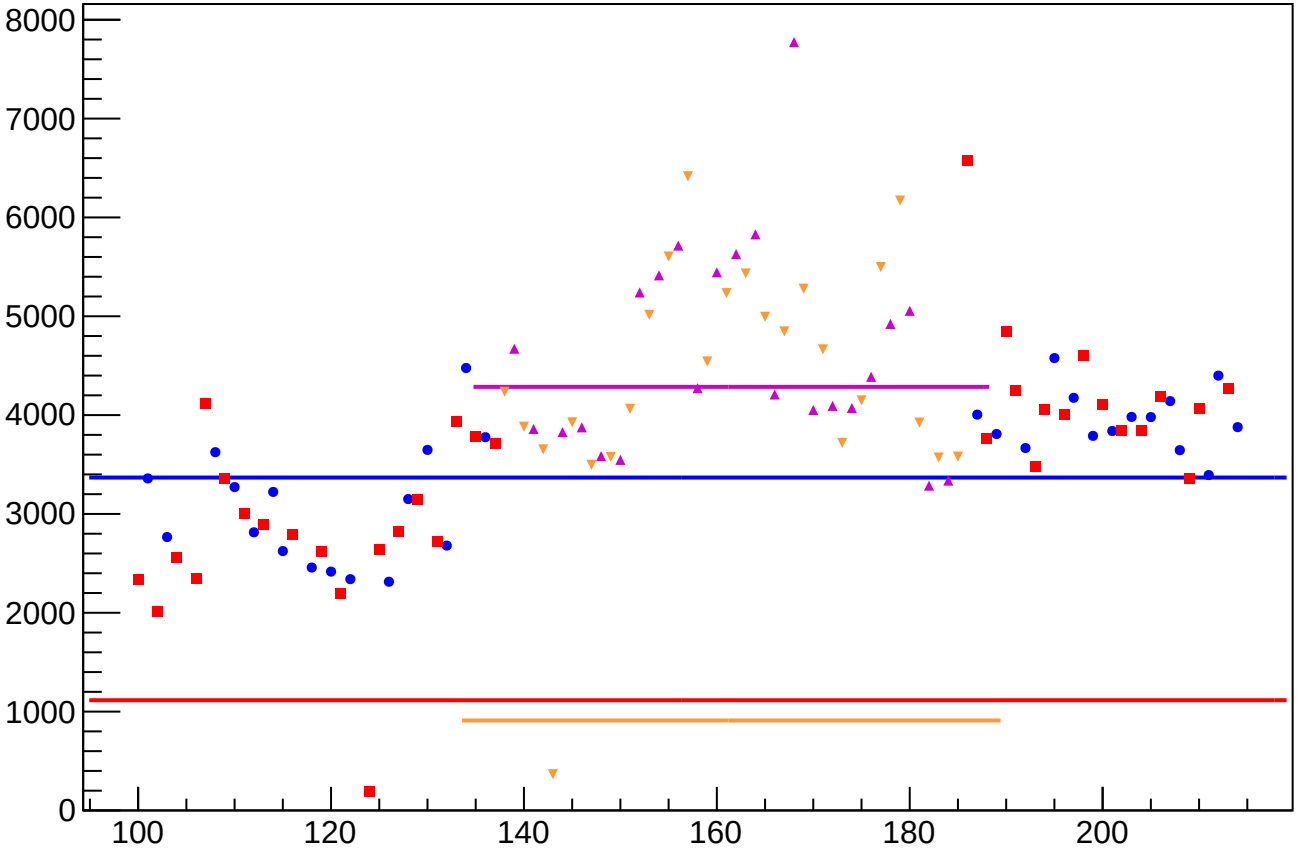
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 192.152+/-343.524 χ^2/NDF: 63.4/54

All: -61.692+/-259.131 χ^2/NDF: 126.6/111

- sign -396.834+/-394.719 χ^2/NDF: 61.9/56

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3368.179+/-0.569 χ^2/NDF: 1380029.3/29

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1115.223+/-0.303 χ^2/NDF: 23851916.3/33

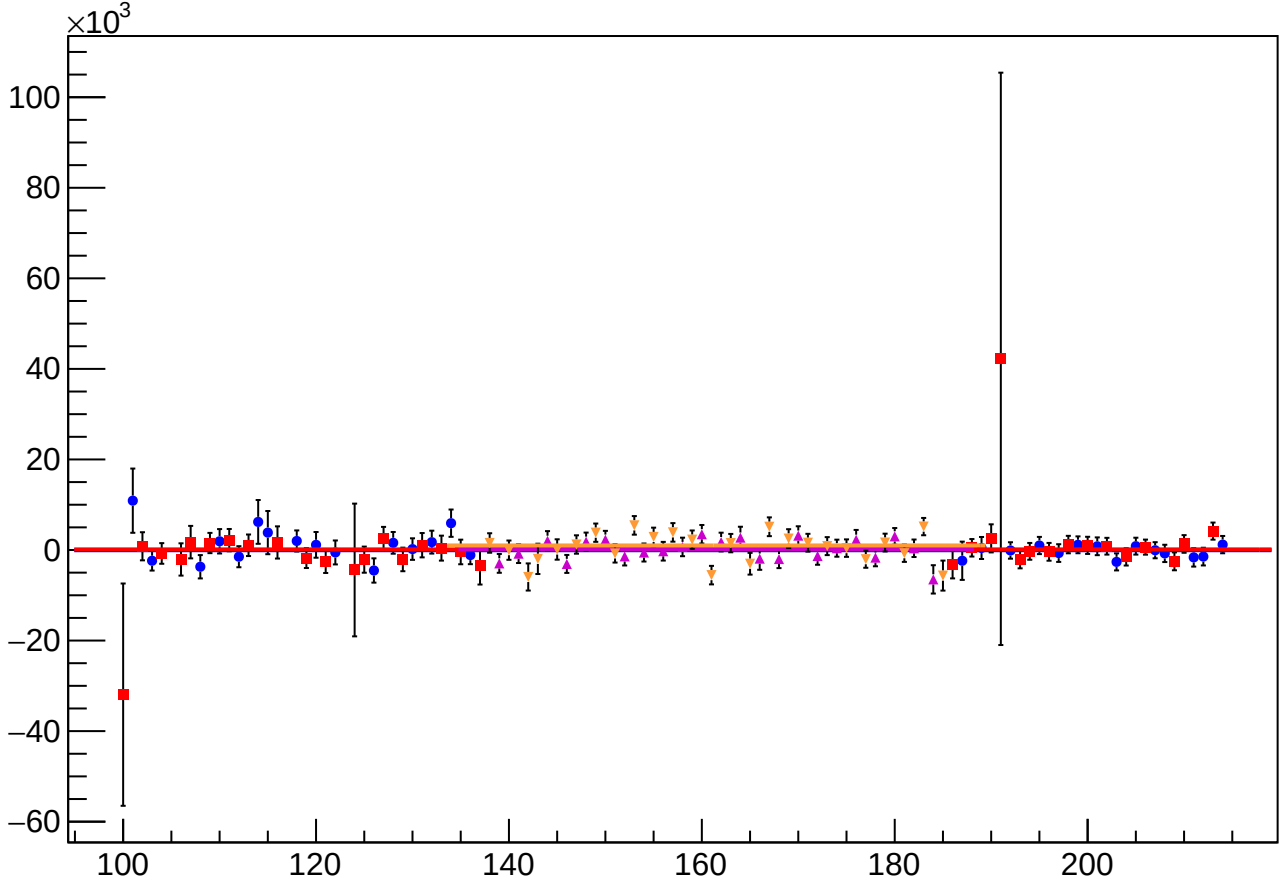
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1358.954+/-0.243 χ^2/NDF: 43432166.2/54

All: 1457.370+/-0.183 χ^2/NDF: 85345922.8/1

- sign 1587.305+/-0.279 χ^2/NDF: 41532878.9/56

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -47.037+/-415.247 χ^2/NDF: 22.9/29

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 135.158+/-412.410 χ^2/NDF: 20.9/33

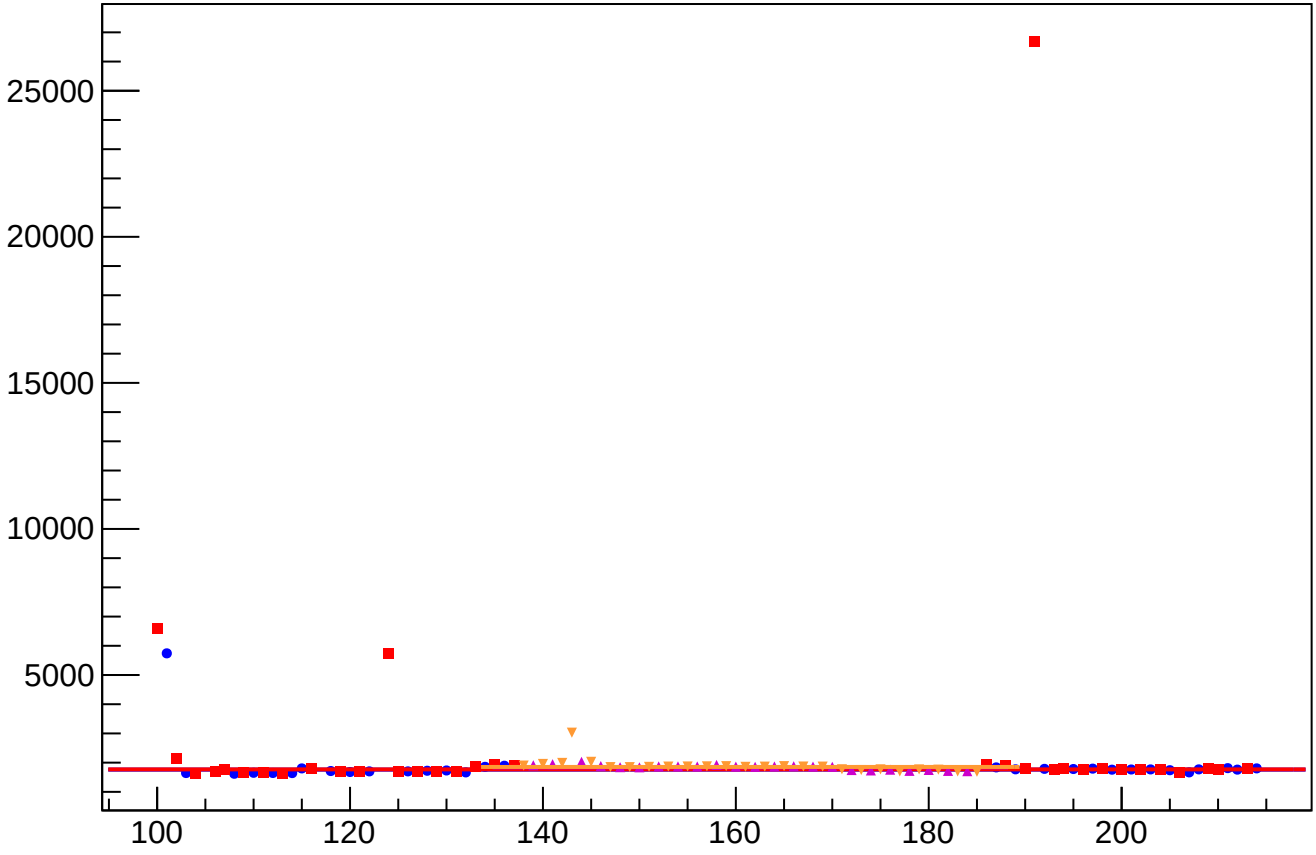
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 469.341+/-296.183 χ^2/NDF: 73.4/54

All: 325.465+/-209.912 χ^2/NDF: 121.2/111

- sign 180.266+/-297.542 χ^2/NDF: 47.3/56

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1760.444+/-0.294 χ^2/NDF: 680162.0/29

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

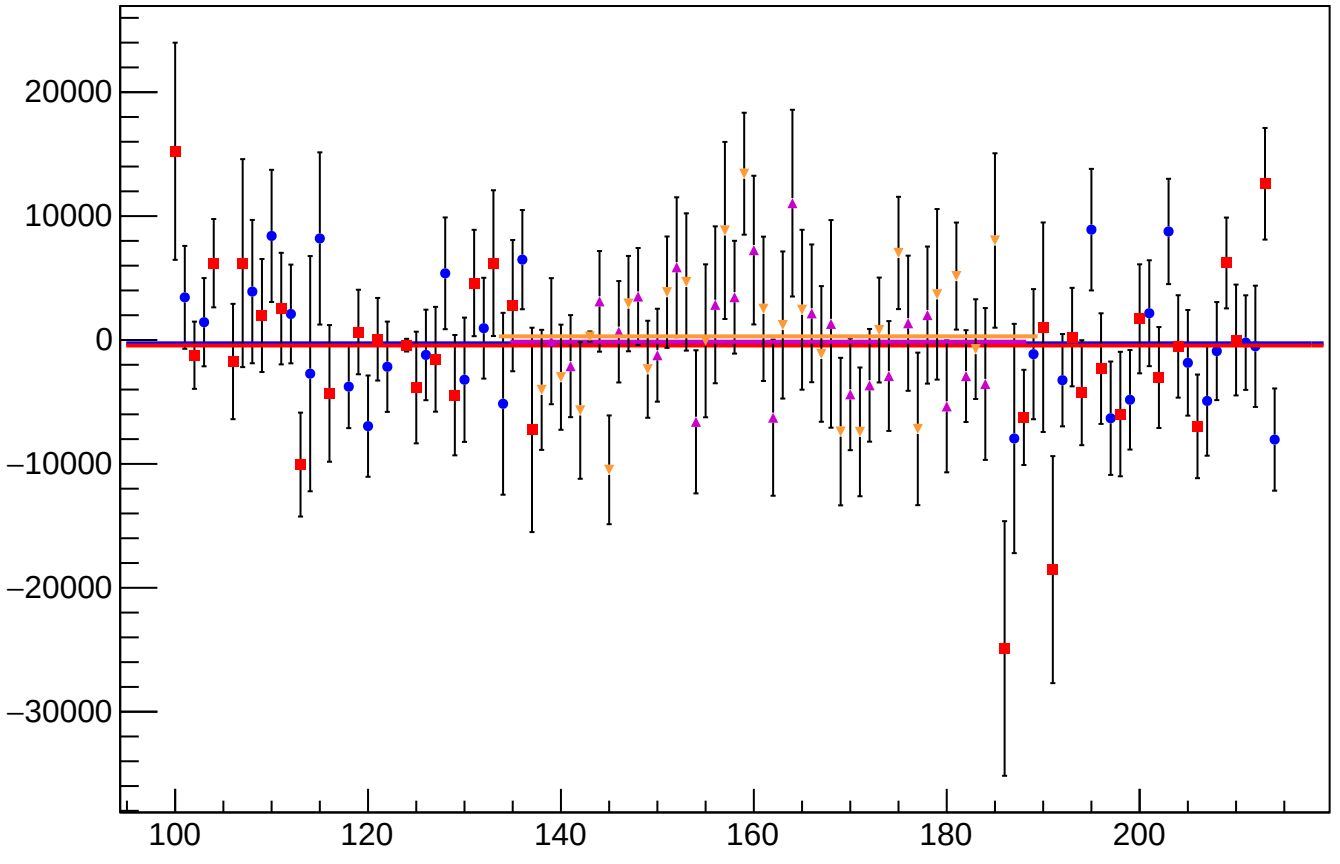
Right Out: 1768.832+/-0.291 χ^2/NDF: 638200.5/33

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1805.683+/-0.209 χ^2/NDF: 1049521.9/54

All: 1803.947+/-0.148 χ^2/NDF: 1783765.4/11

- sign 1802.198+/-0.210 χ^2/NDF: 734105.5/56



Right In: -269.769+/-804.015 χ^2/NDF: 33.0/29

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -442.068+/-427.855 χ^2/NDF: 48.0/33

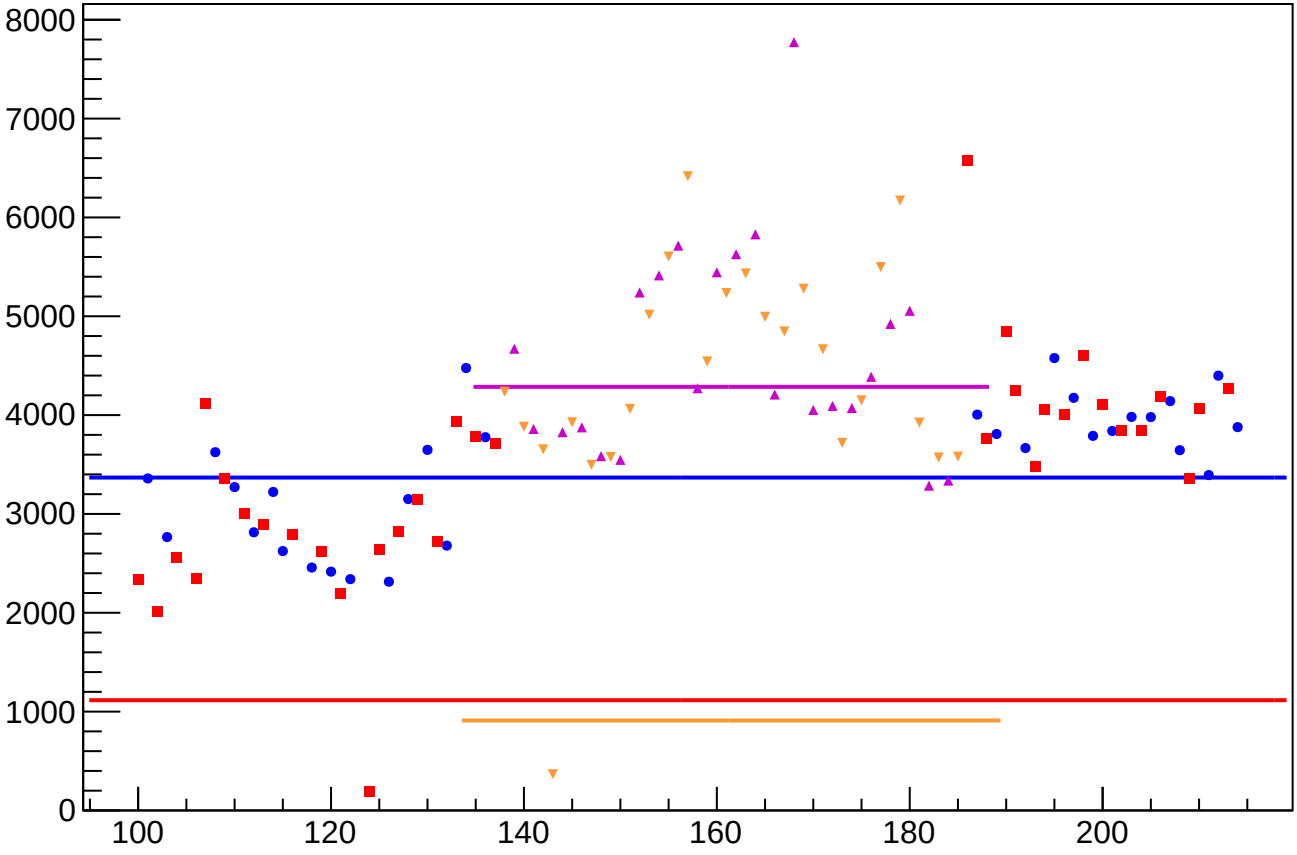
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 192.152+/-343.524 χ^2/NDF: 63.4/54

All: -61.692+/-259.131 χ^2/NDF: 126.6/111

- sign -396.834+/-394.719 χ^2/NDF: 61.9/56

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3368.179+/-0.569 χ^2/NDF: 1380029.3/29

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1115.223+/-0.303 χ^2/NDF: 23851916.3/33

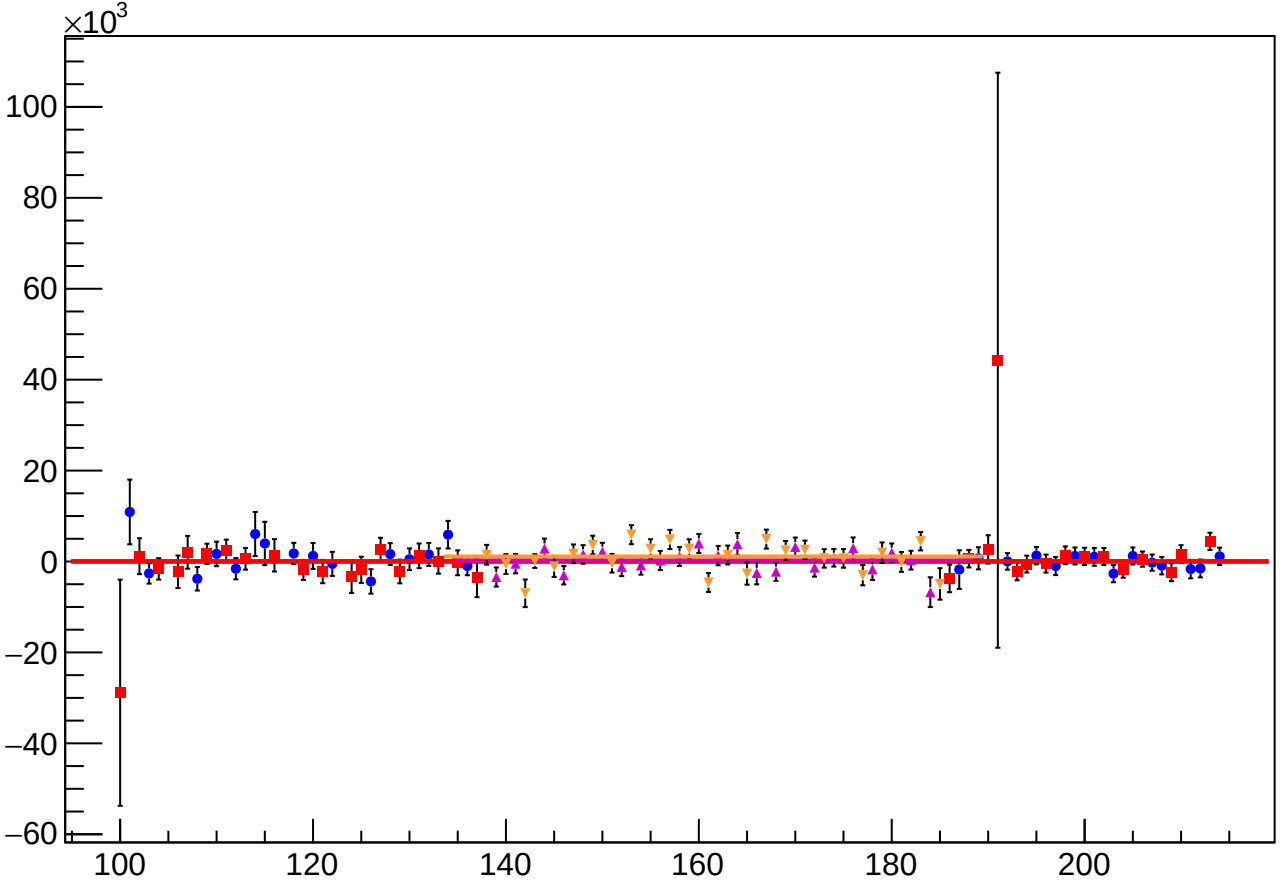
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1358.954+/-0.243 χ^2/NDF: 43432166.2/54

All: 1457.370+/-0.183 χ^2/NDF: 85345922.8/1

- sign 1587.305+/-0.279 χ^2/NDF: 41532878.9/56

dit_asym_atr1l2_dd_mean vs Slug



Right In: -32.516+/-417.586 χ^2/NDF: 23.2/29

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 96.404+/-413.598 χ^2/NDF: 23.4/33

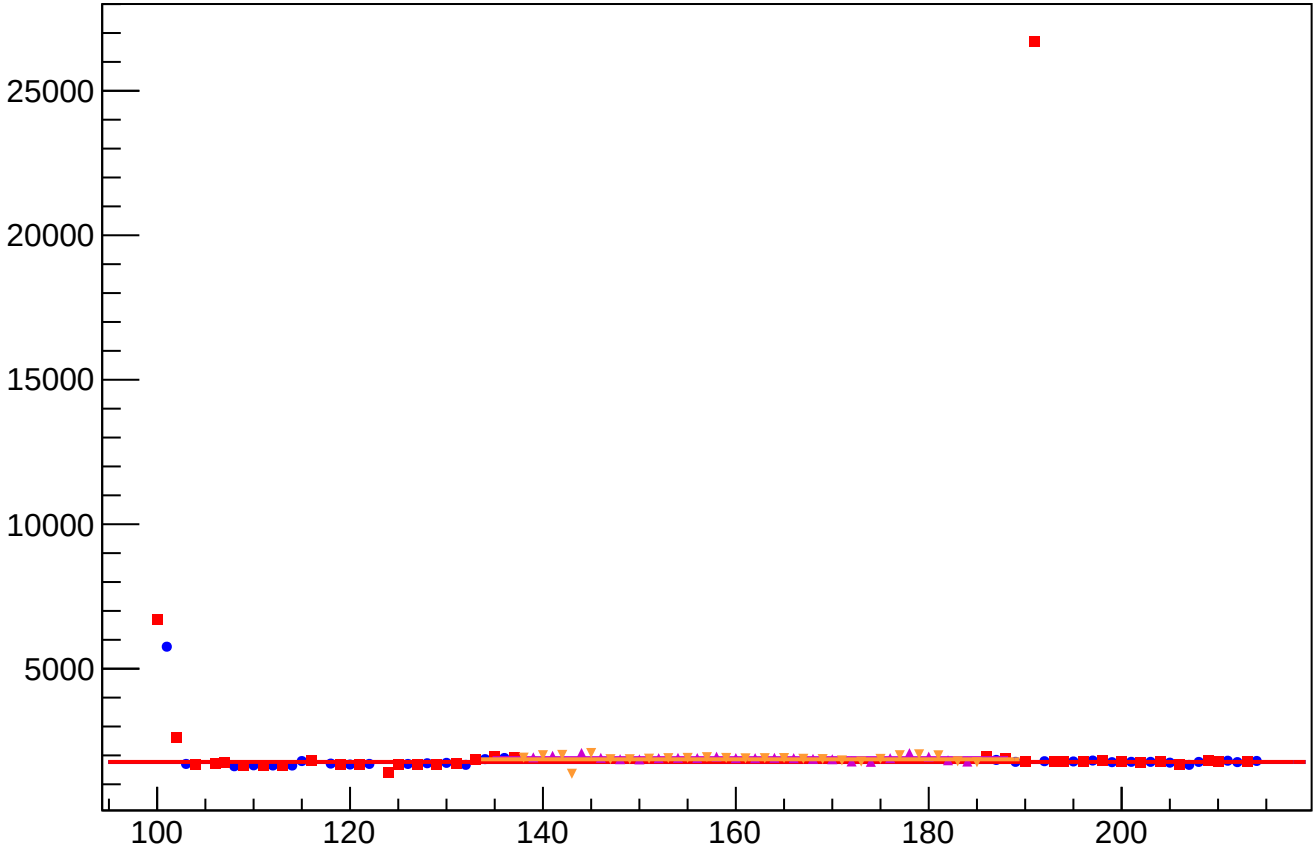
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 524.975+/-297.975 χ^2/NDF: 71.7/54

All: 352.604+/-212.476 χ^2/NDF: 123.5/111

- sign 174.297+/-303.063 χ^2/NDF: 51.2/56

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.366+/-0.295 χ^2/NDF: 678883.5/29

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1773.930+/-0.292 χ^2/NDF: 569997.6/33

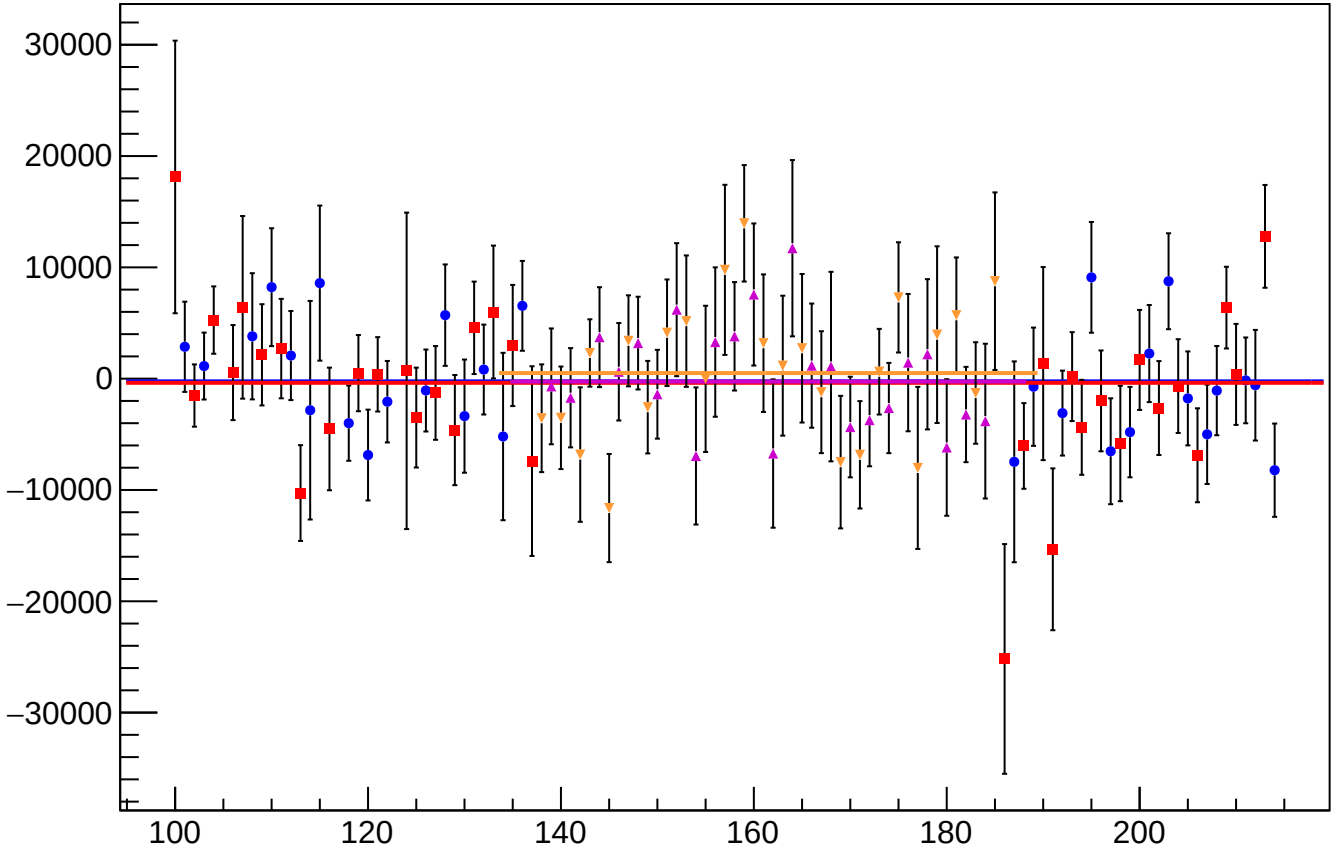
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1816.737+/-0.211 χ^2/NDF: 1023840.8/54

All: 1825.641+/-0.150 χ^2/NDF: 1744256.6/11

- sign 1834.841+/-0.214 χ^2/NDF: 716784.7/56

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -240.473+/-801.559 χ^2/NDF: 32.8/29

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -371.367+/-776.188 χ^2/NDF: 47.1/33

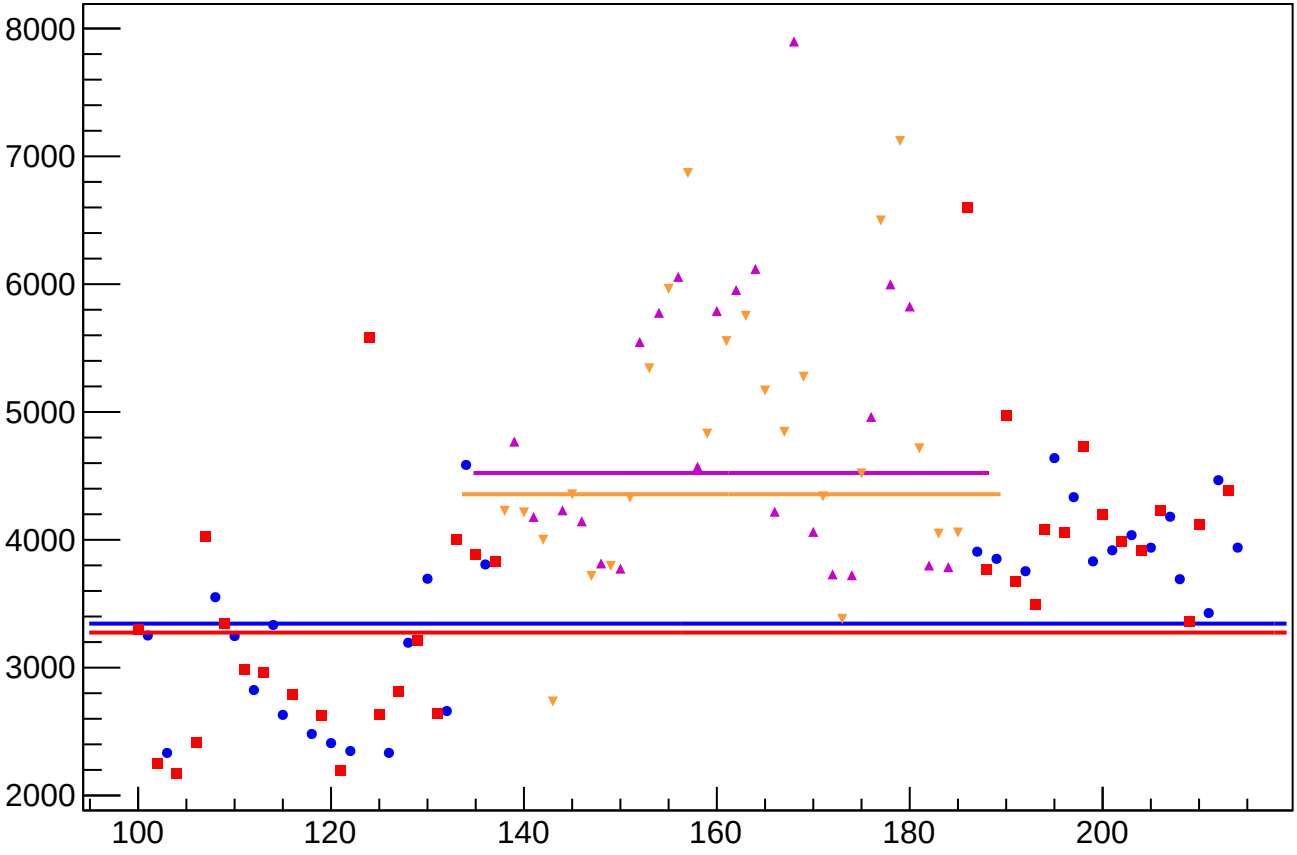
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 43.272+/-630.638 χ^2/NDF: 63.2/54

All: -145.312+/-445.905 χ^2/NDF: 124.1/111

- sign -333.858+/-630.572 χ^2/NDF: 60.7/56

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3344.524+/-0.567 χ^2/NDF: 1624086.5/29

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3274.441+/-0.549 χ^2/NDF: 2271277.9/33

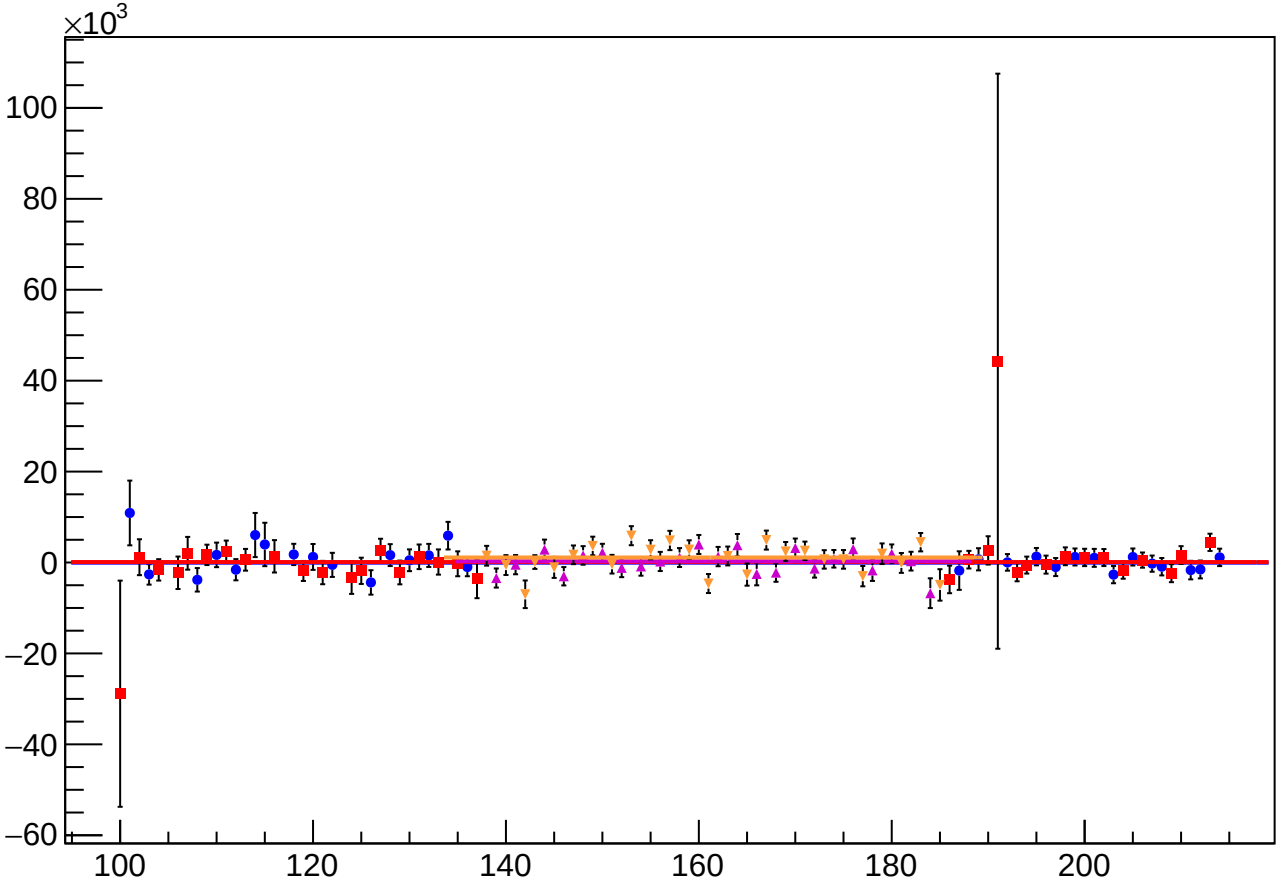
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3730.143+/-0.446 χ^2/NDF: 4751335.7/54

All: 3714.517+/-0.315 χ^2/NDF: 10218059.1/1

- sign 3698.895+/-0.446 χ^2/NDF: 5464267.9/56

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -32.517+/-417.586 χ^2/NDF: 23.2/29

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 96.405+/-413.598 χ^2/NDF: 23.4/33

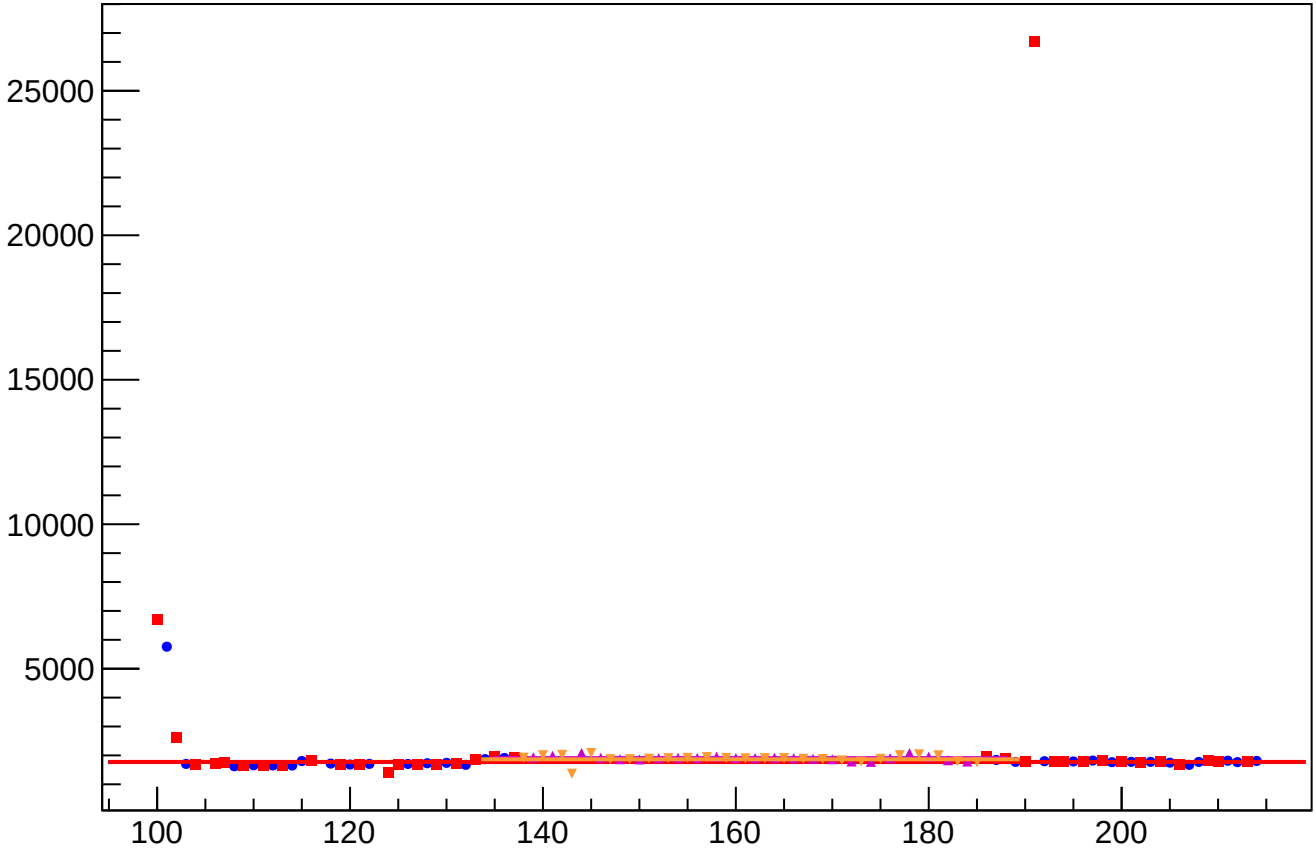
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 524.975+/-297.975 χ^2/NDF: 71.7/54

All: 352.604+/-212.476 χ^2/NDF: 123.5/111

- sign 174.297+/-303.063 χ^2/NDF: 51.2/56

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1770.366+/-0.295 χ^2/NDF: 678883.5/29

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

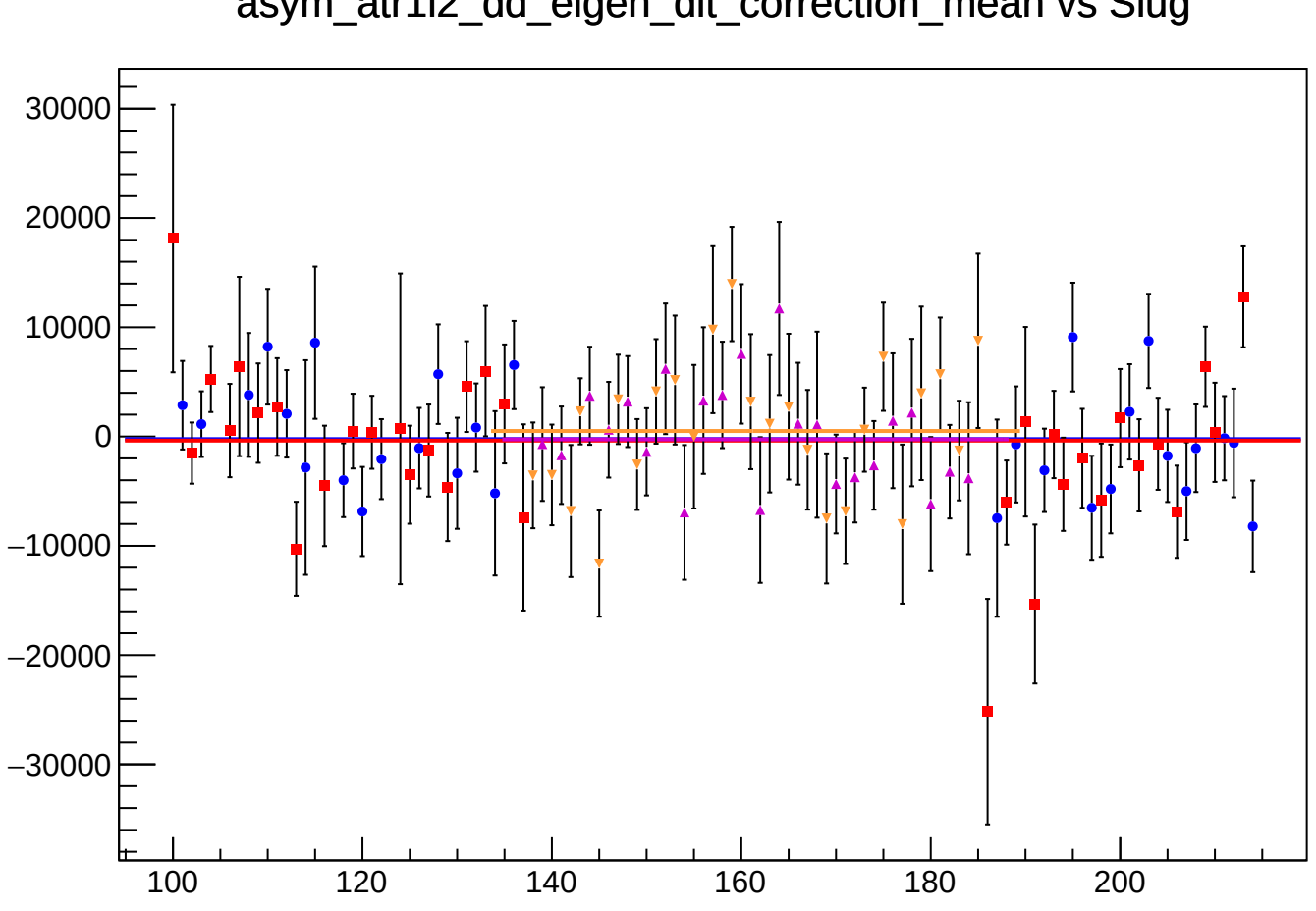
Right Out: 1773.930+/-0.292 χ^2/NDF: 569997.6/33

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1816.737+/-0.211 χ^2/NDF: 1023845.0/54

All: 1825.642+/-0.150 χ^2/NDF: 1744264.5/11

- sign 1834.841+/-0.214 χ^2/NDF: 716788.3/56



Right In: -240.474+/-801.558 χ^2/NDF: 32.8/29

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -371.363+/-776.188 χ^2/NDF: 47.1/33

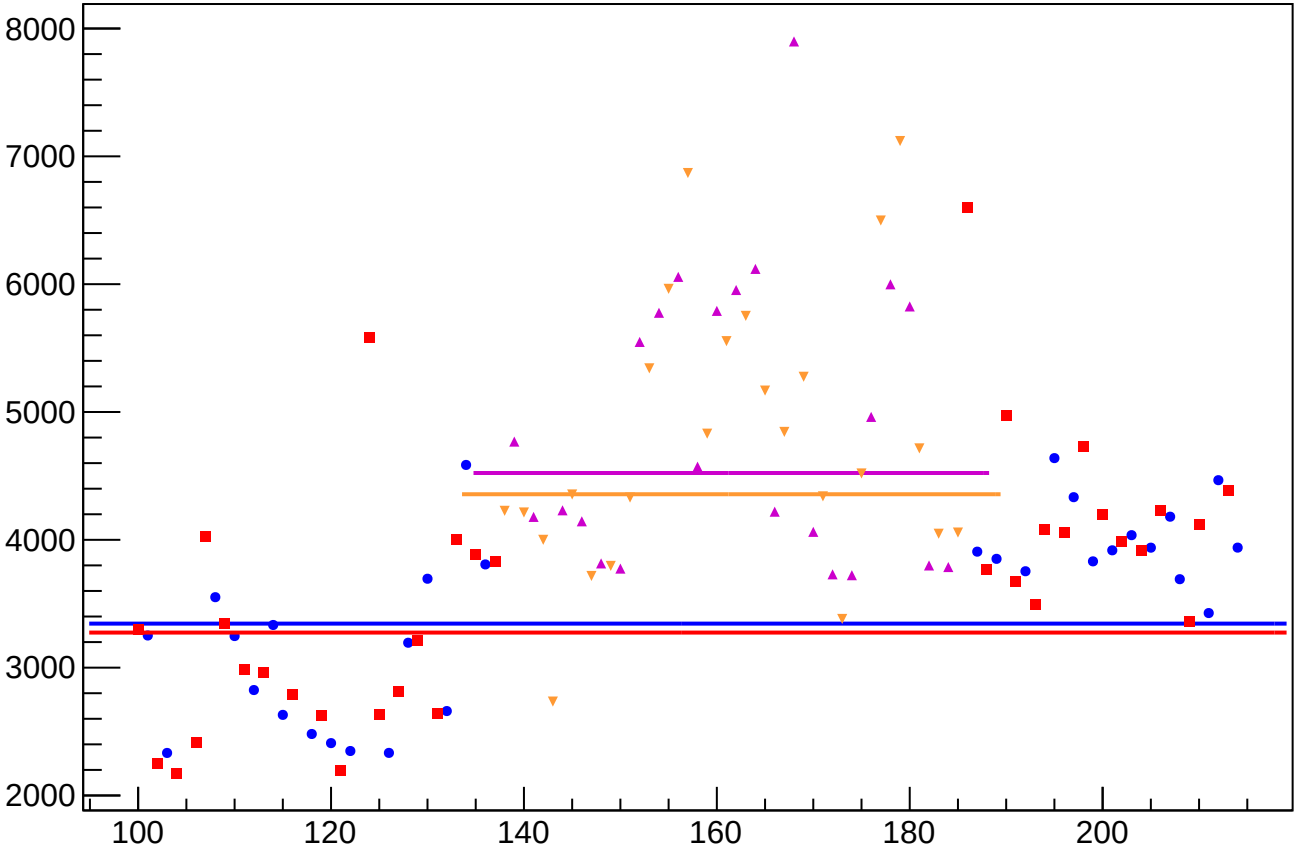
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 43.272+/-630.638 χ^2/NDF: 63.2/54

All: -145.312+/-445.905 χ^2/NDF: 124.1/111

- sign -333.856+/-630.572 χ^2/NDF: 60.7/56

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3344.521+/-0.567 χ^2/NDF: 1624119.0/29

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3274.438+/-0.549 χ^2/NDF: 2271297.7/33

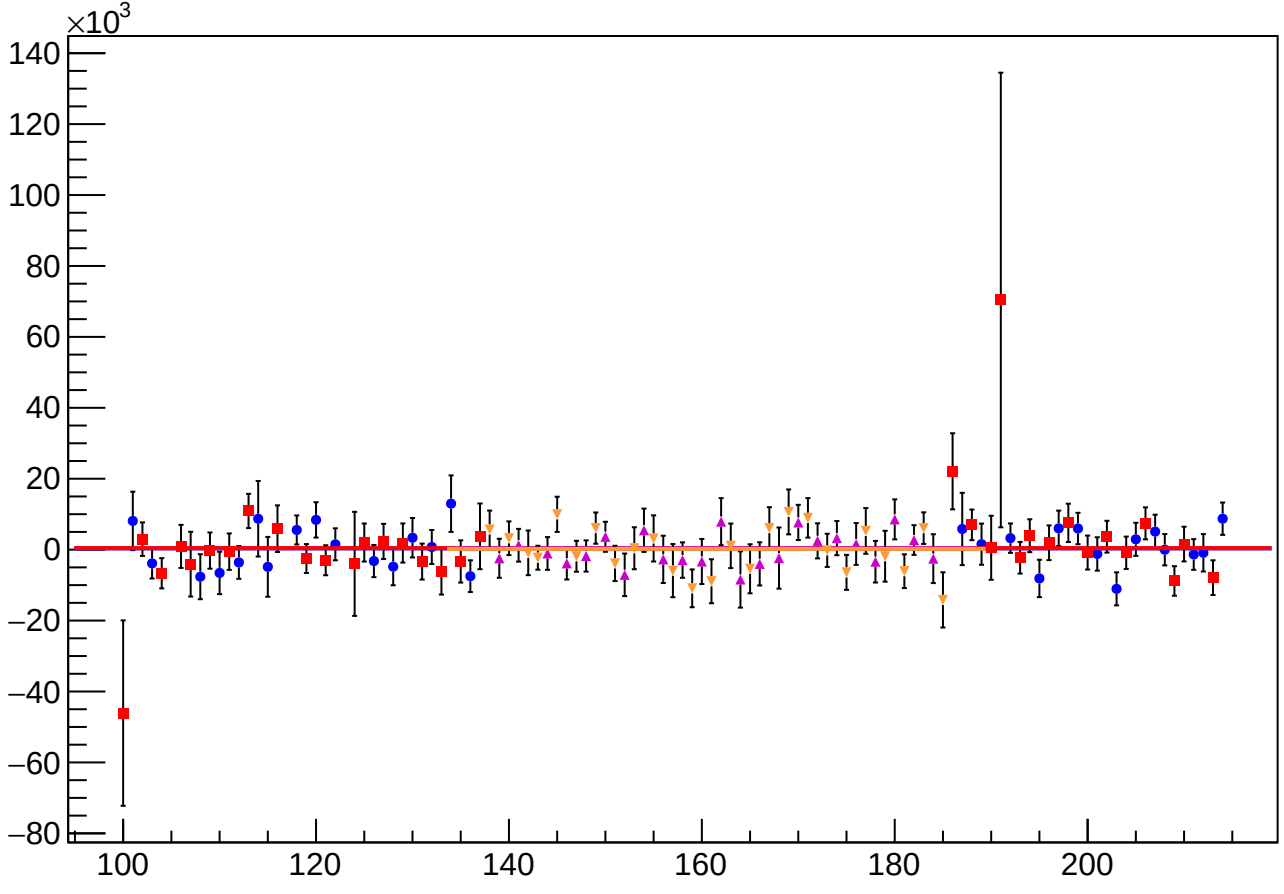
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3730.143+/-0.446 χ^2/NDF: 4751393.8/54

All: 3714.517+/-0.315 χ^2/NDF: 10218165.1/1

- sign 3698.894+/-0.446 χ^2/NDF: 5464315.7/56

asym_atr1l2_dd_mean vs Slug



Right In: 354.054+/-927.545 χ^2/NDF: 35.5/29

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 424.863+/-915.162 χ^2/NDF: 36.9/33

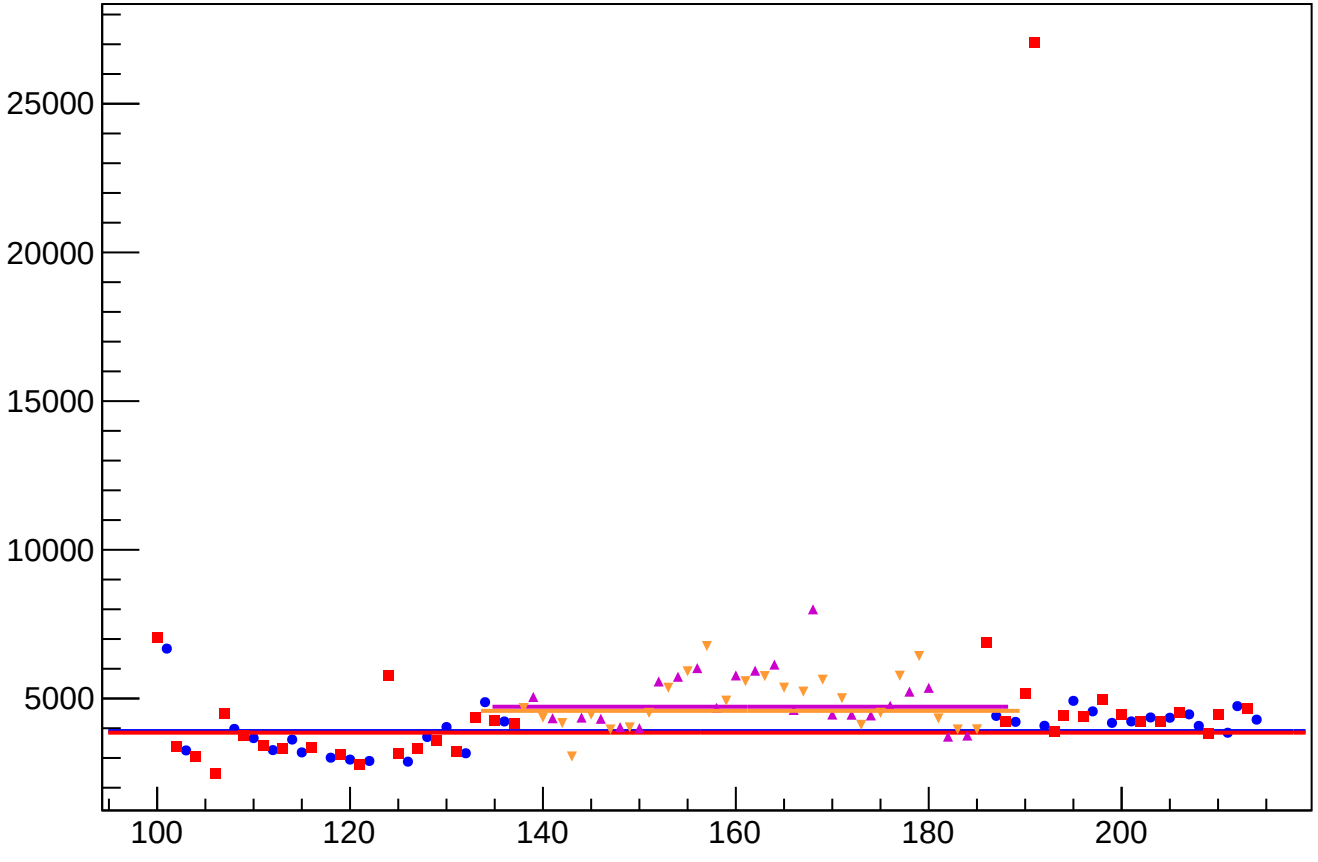
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

\+ sign 304.808+/-699.356 χ^2/NDF: 67.7/54

All: 358.693+/-497.895 χ^2/NDF: 118.9/111

\- sign 414.076+/-709.004 χ^2/NDF: 51.1/56

asym_atr1l2_dd_rms vs Slug



Right In: 3904.587+/-0.656 χ^2/NDF: 1069855.6/29

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3851.336+/-0.642 χ^2/NDF: 1504634.9/33

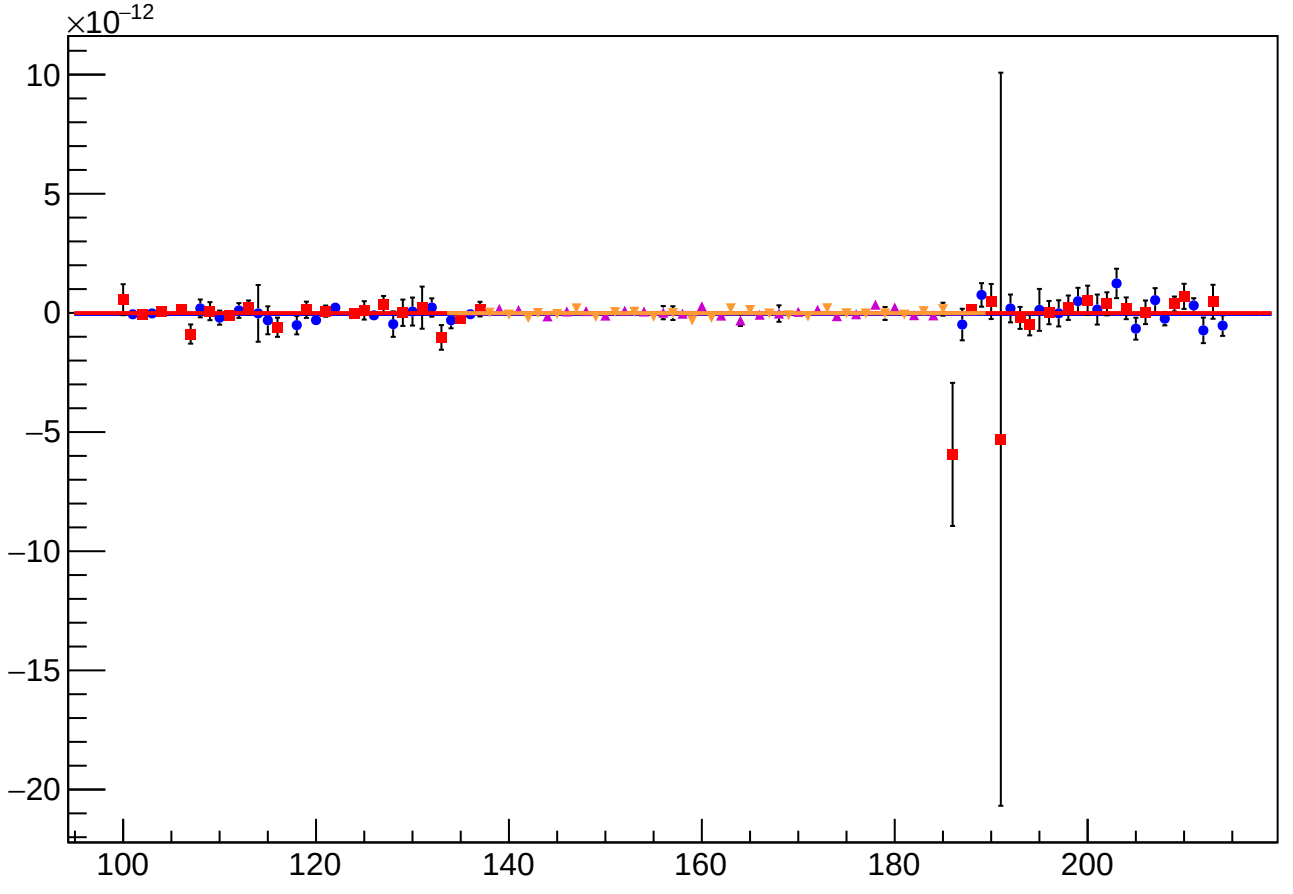
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4198.043+/-0.495 χ^2/NDF: 2845516.7/54

All: 4197.422+/-0.351 χ^2/NDF: 6096387.8/11

- sign 4196.789+/-0.499 χ^2/NDF: 3250867.9/56

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/33

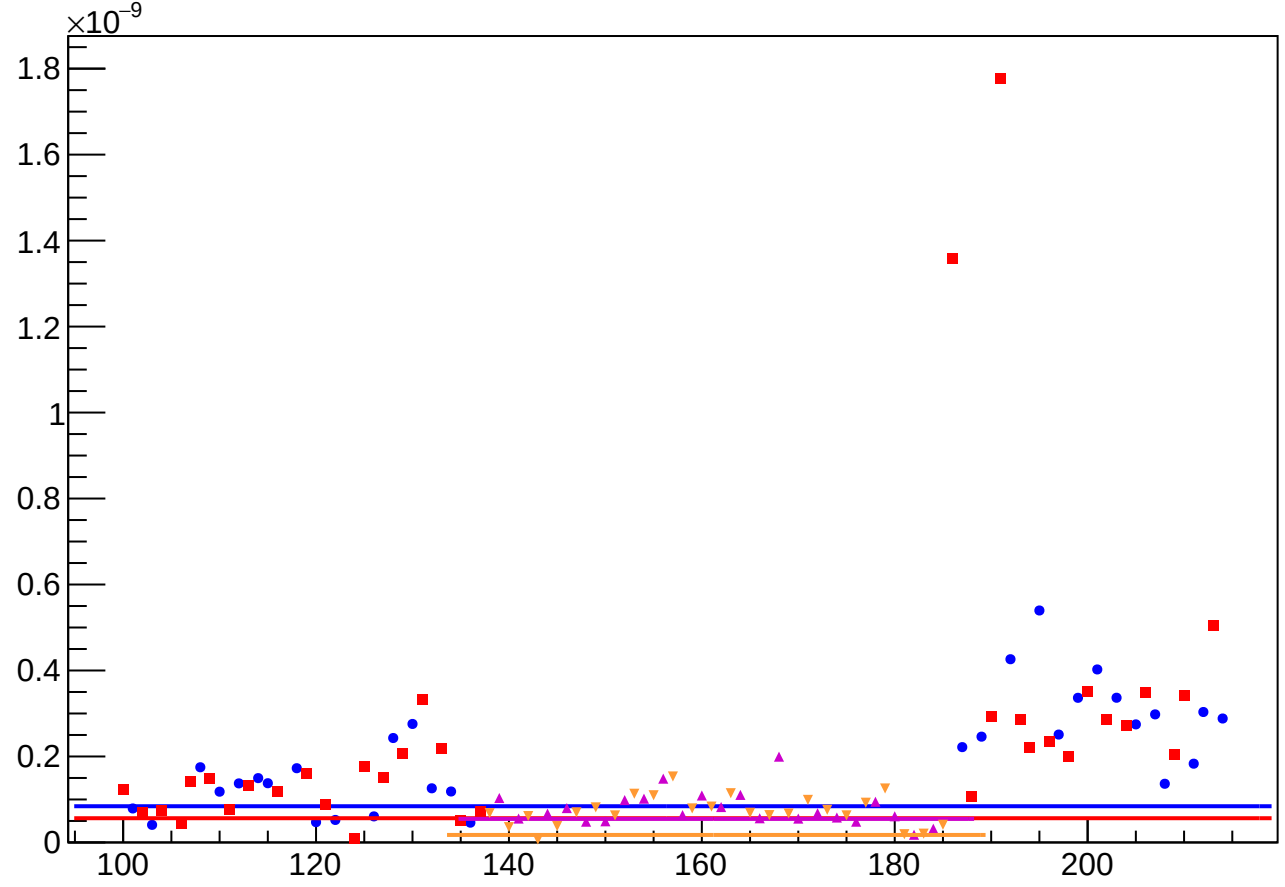
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/54

All: -0.000+/-0.000 χ^2/NDF: 105.1/111

- sign -0.000+/-0.000 χ^2/NDF: 56.6/56

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6599364.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9354255.0/33

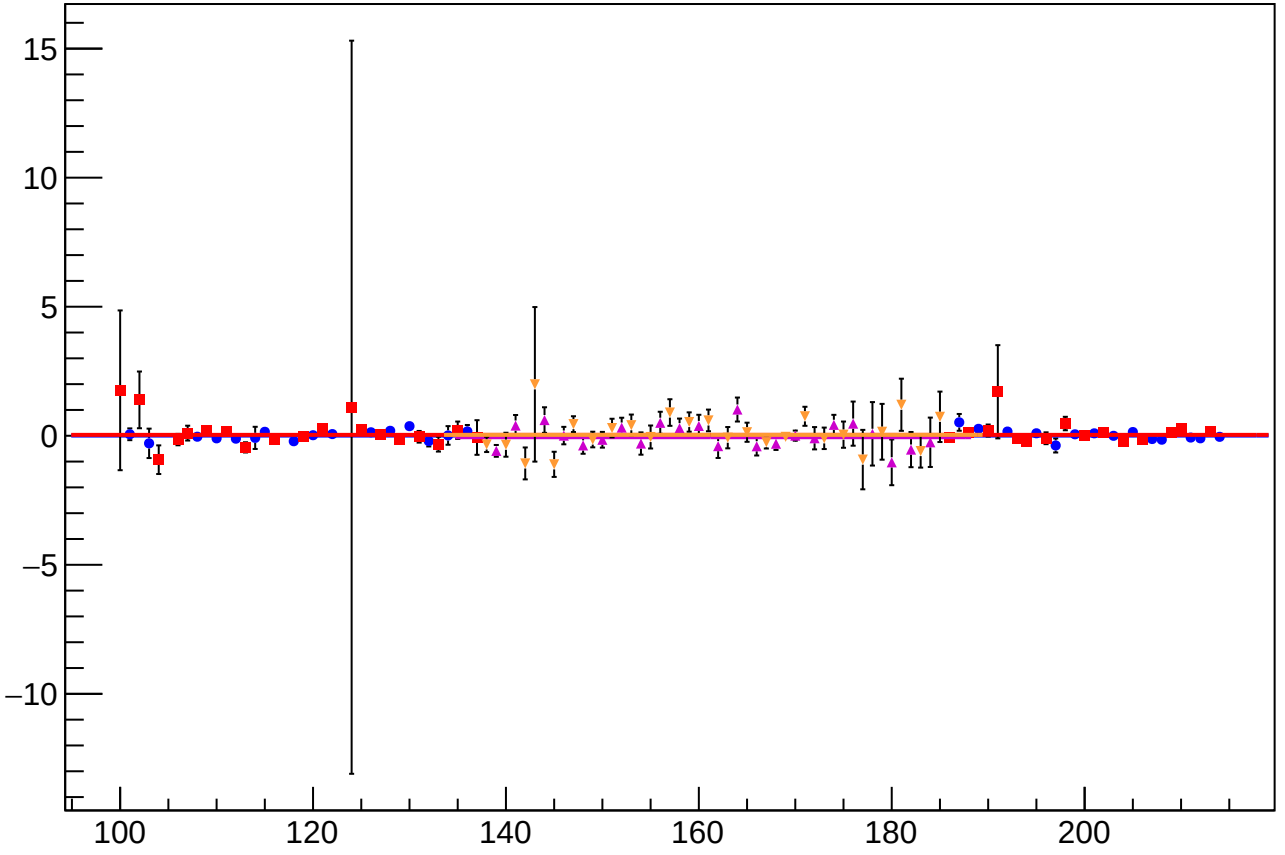
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20199453.3/54

All: 0.000+/-0.000 χ^2/NDF: 36765618.5/111

- sign 0.000+/-0.000 χ^2/NDF: 12155913.3/56

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.031 χ^2/NDF: 25.3/29

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.034+/-0.030 χ^2/NDF: 41.4/33

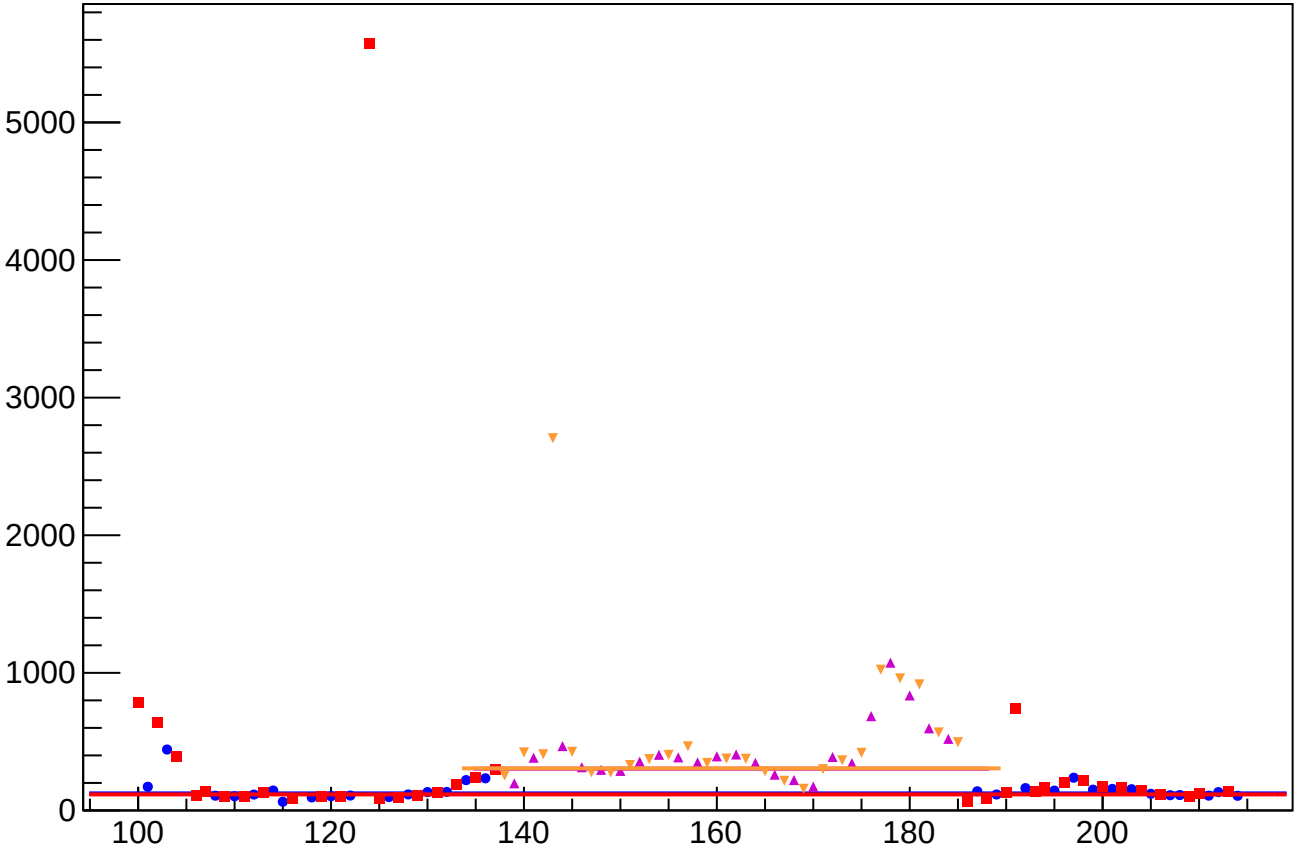
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.011+/-0.029 χ^2/NDF: 55.8/54

All: 0.017+/-0.020 χ^2/NDF: 124.6/111

- sign 0.023+/-0.028 χ^2/NDF: 68.7/56

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 123.994+/-0.022 χ^2/NDF: 2565104.7/29

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.635+/-0.021 χ^2/NDF: 4452769.3/33

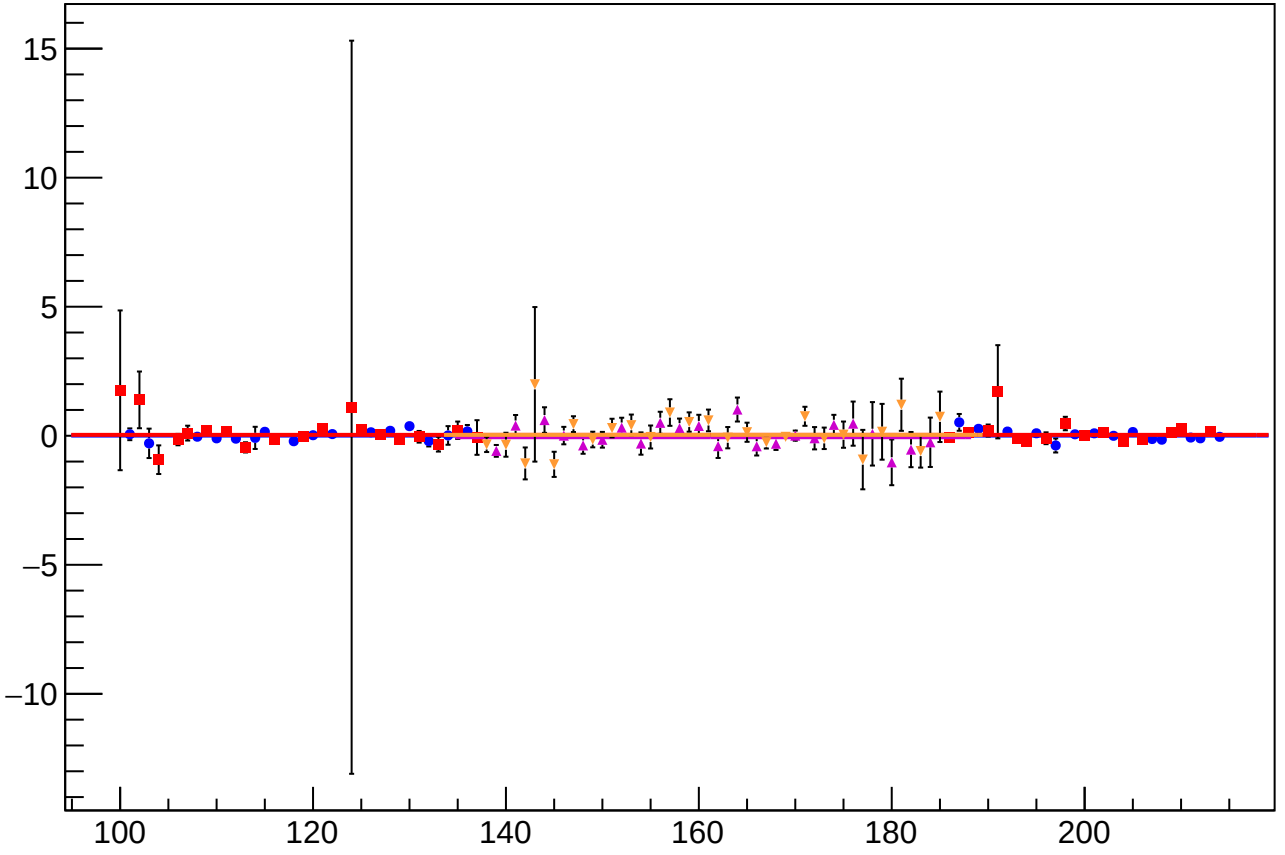
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 148.754+/-0.020 χ^2/NDF: 18617846.0/54

All: 144.664+/-0.014 χ^2/NDF: 38109288.2/11

- sign 140.830+/-0.020 χ^2/NDF: 19413016.4/56

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.031 χ^2/NDF: 25.3/29

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.034+/-0.030 χ^2/NDF: 41.4/33

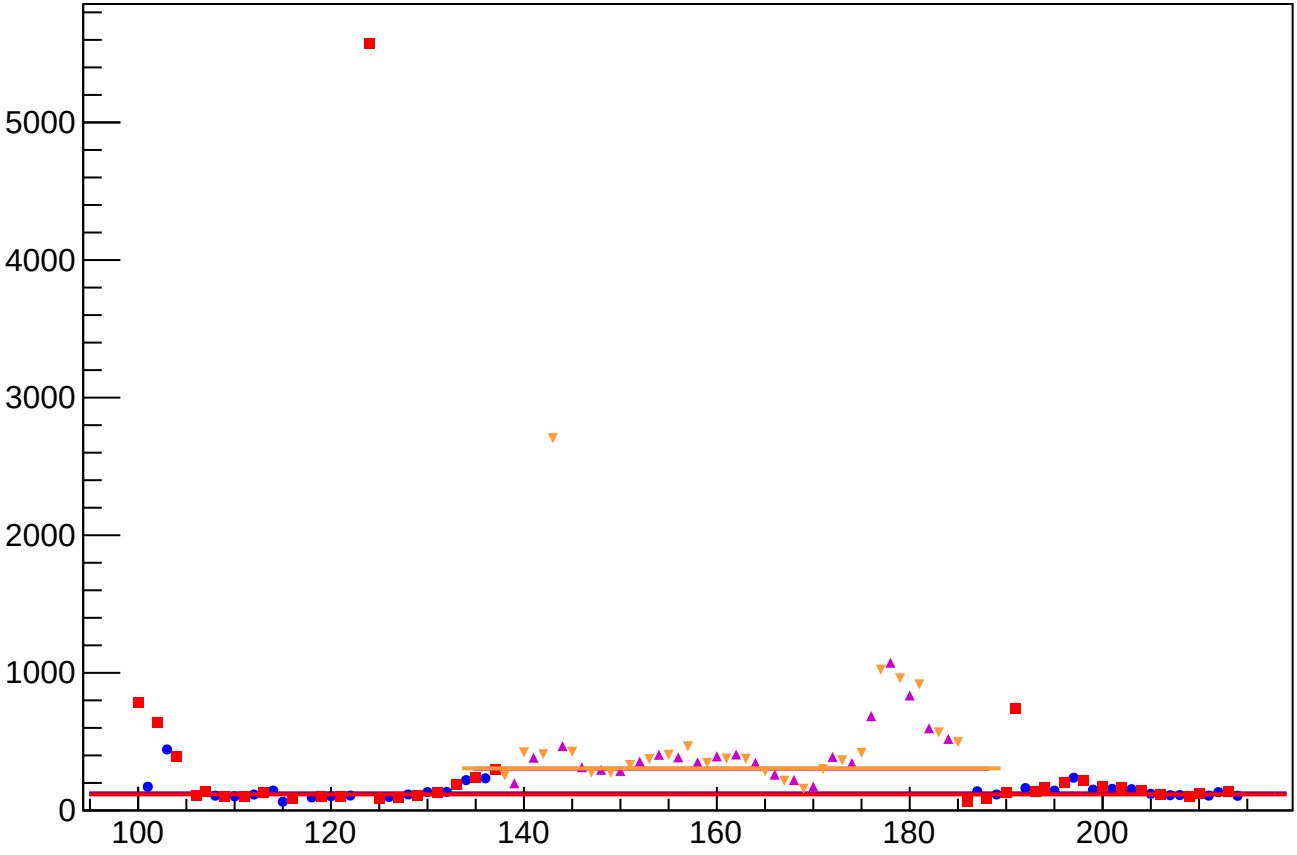
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.011+/-0.029 χ^2/NDF: 55.8/54

All: 0.017+/-0.020 χ^2/NDF: 124.6/111

- sign 0.023+/-0.028 χ^2/NDF: 68.7/56

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 123.994+/-0.022 χ^2/NDF: 2565104.7/29

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

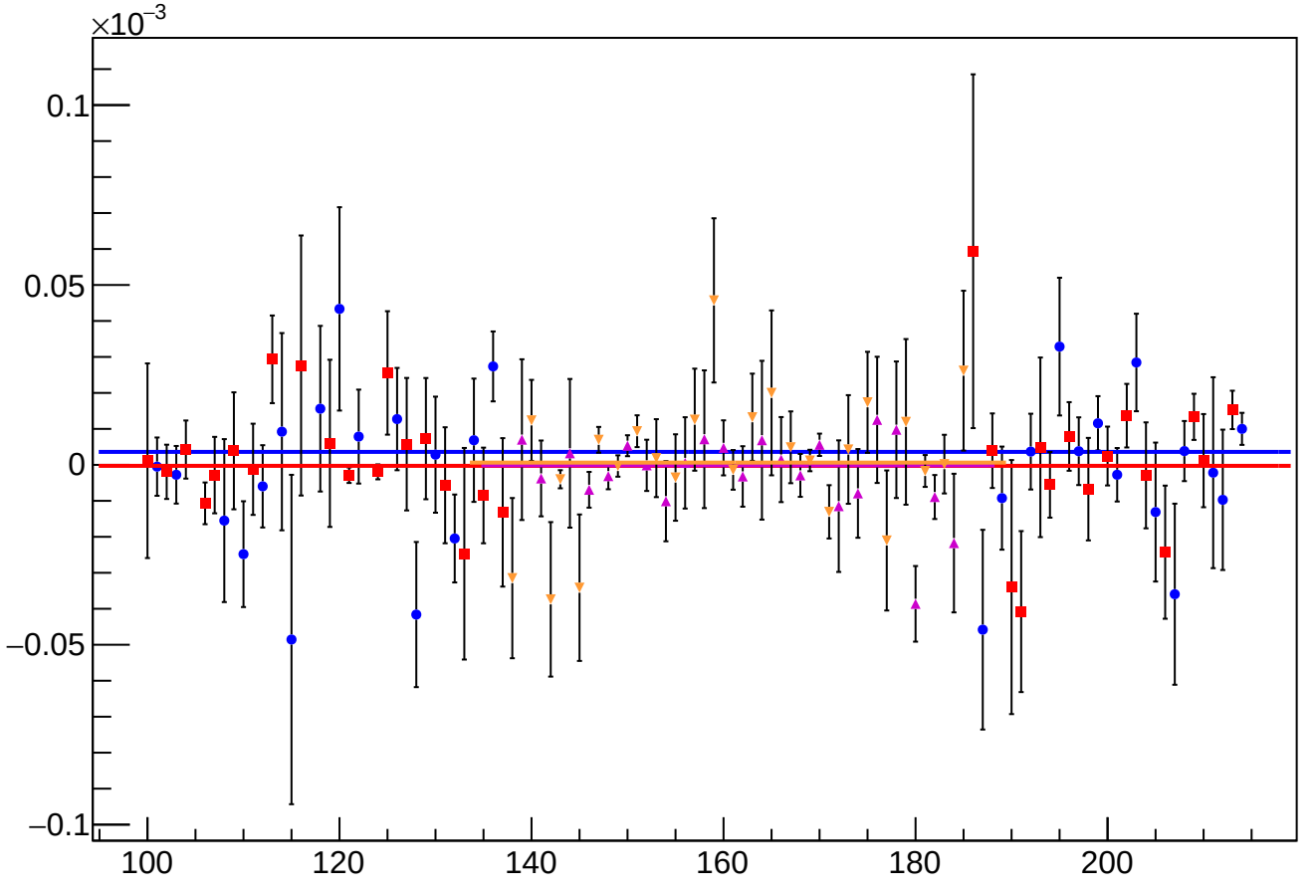
Right Out: 116.635+/-0.021 χ^2/NDF: 4452769.3/33

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 148.754+/-0.020 χ^2/NDF: 18617846.0/54

All: 144.664+/-0.014 χ^2/NDF: 38109288.2/11

- sign 140.830+/-0.020 χ^2/NDF: 19413016.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 42.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/33

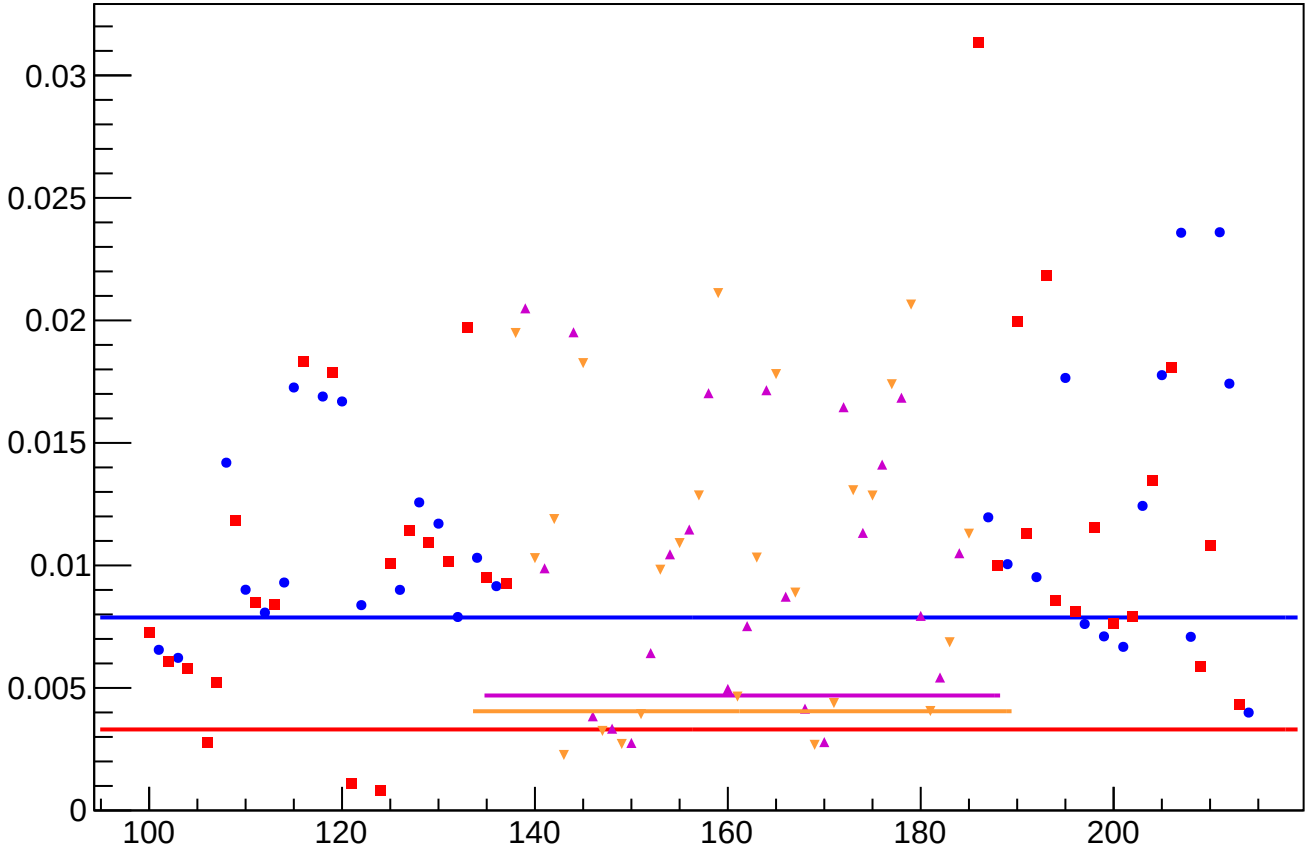
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.5/54

All: 0.000+/-0.000 χ^2/NDF: 150.7/111

- sign -0.000+/-0.000 χ^2/NDF: 70.8/56

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 6190747.3/29

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

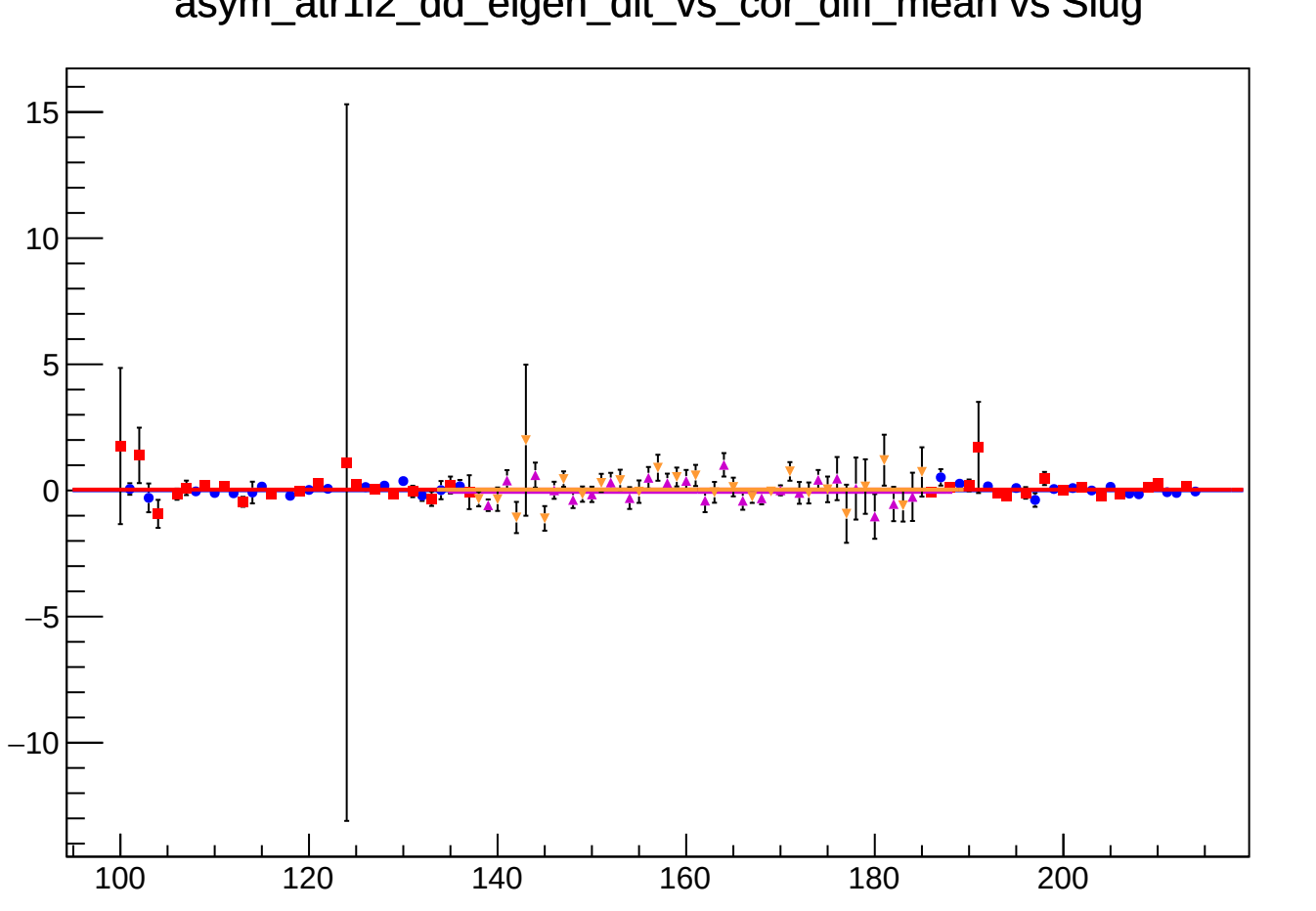
Right Out: 0.003+/-0.000 χ^2/NDF: 20102412.9/33

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 24839111.7/54

All: 0.004+/-0.000 χ^2/NDF: 58230710.7/111

- sign 0.004+/-0.000 χ^2/NDF: 32096454.1/56



Right In: 0.008+/-0.031 χ^2/NDF: 25.3/29

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.034+/-0.030 χ^2/NDF: 41.4/33

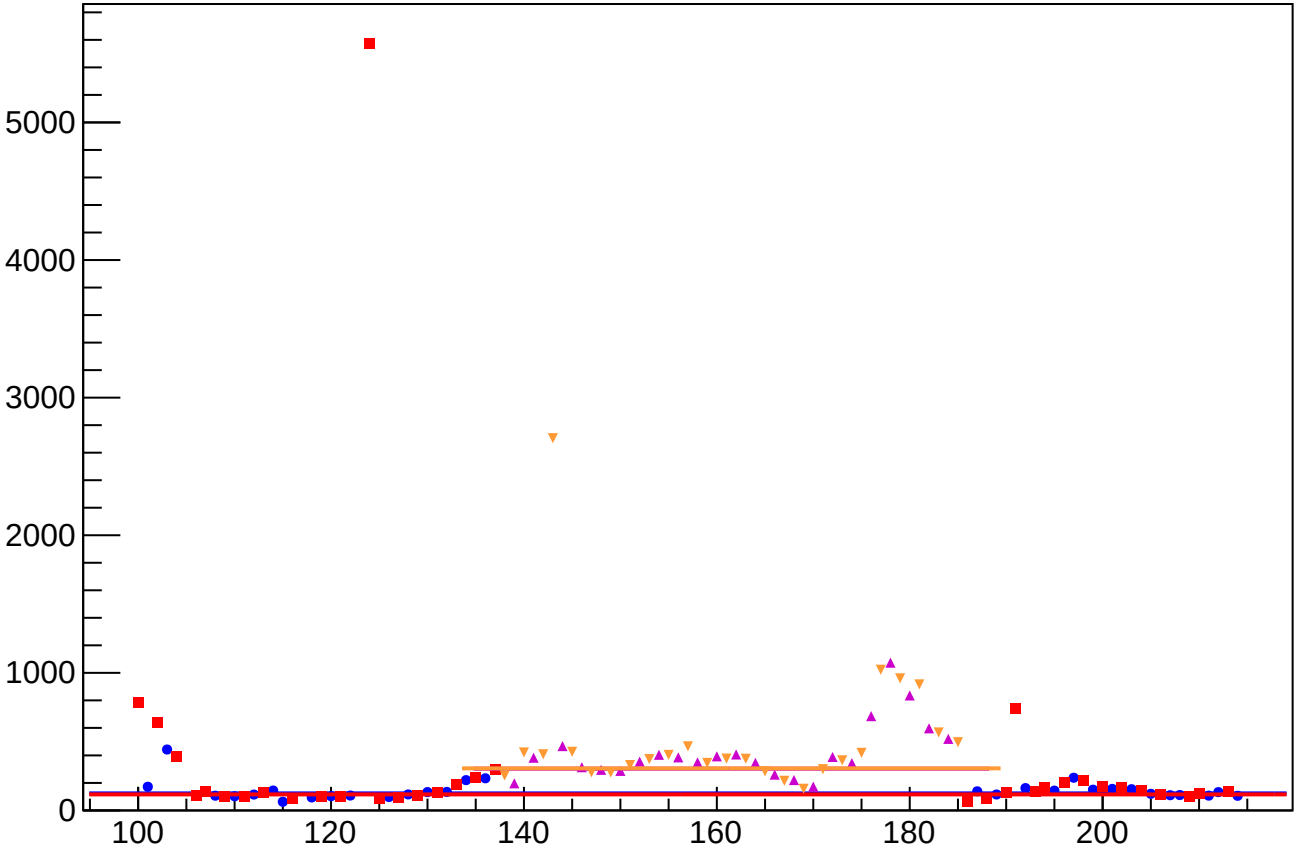
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

\+ sign 0.011+/-0.029 χ^2/NDF: 55.8/54

All: 0.017+/-0.020 χ^2/NDF: 124.6/111

\- sign 0.023+/-0.028 χ^2/NDF: 68.7/56

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 123.995+/-0.022 χ^2/NDF: 2565079.3/29

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

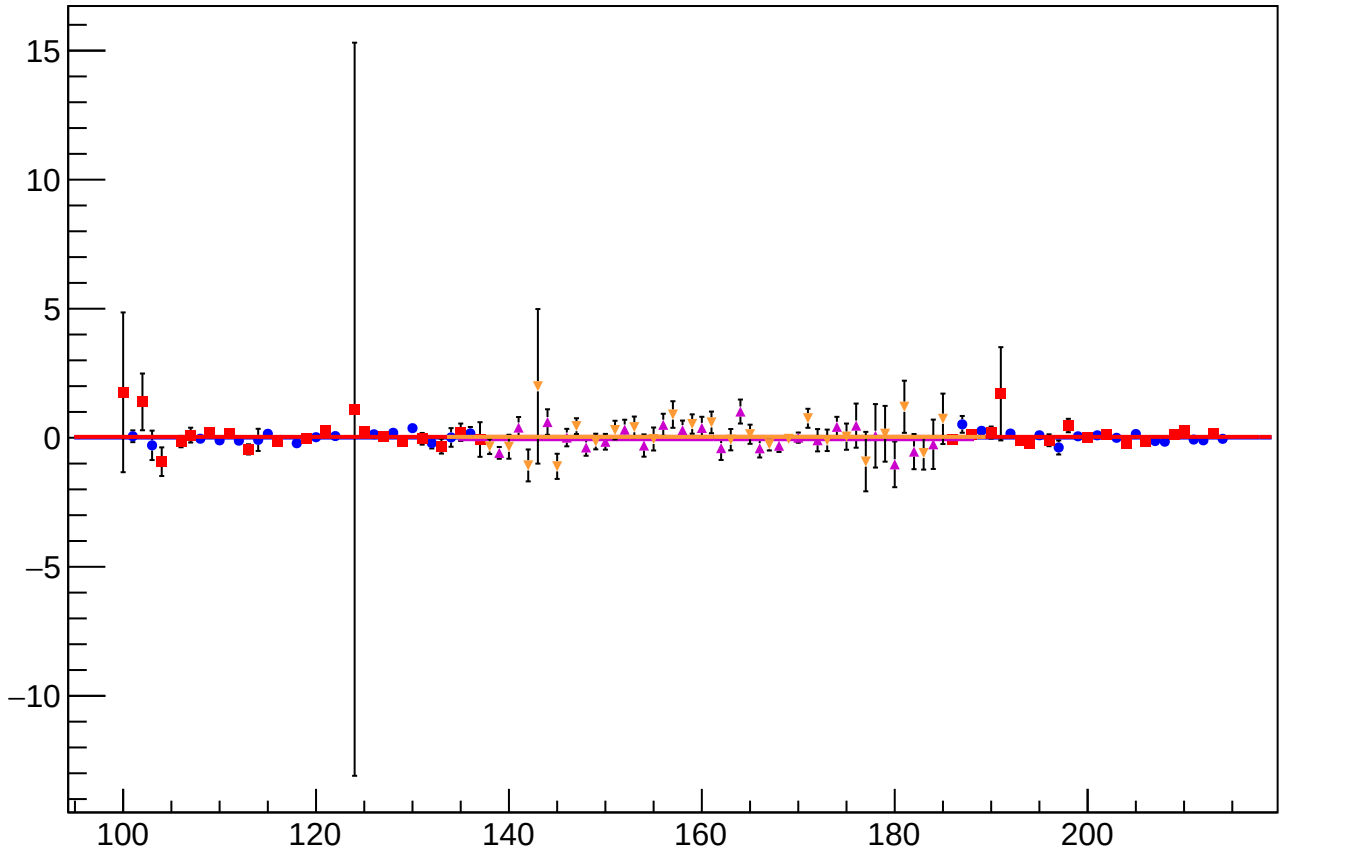
Right Out: 116.636+/-0.021 χ^2/NDF: 4452609.4/33

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 148.756+/-0.020 χ^2/NDF: 18617832.6/54

All: 144.665+/-0.014 χ^2/NDF: 38109114.9/11

- sign 140.832+/-0.020 χ^2/NDF: 19412856.7/56



Right In: 0.008+/-0.031 χ^2/NDF: 25.3/29

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

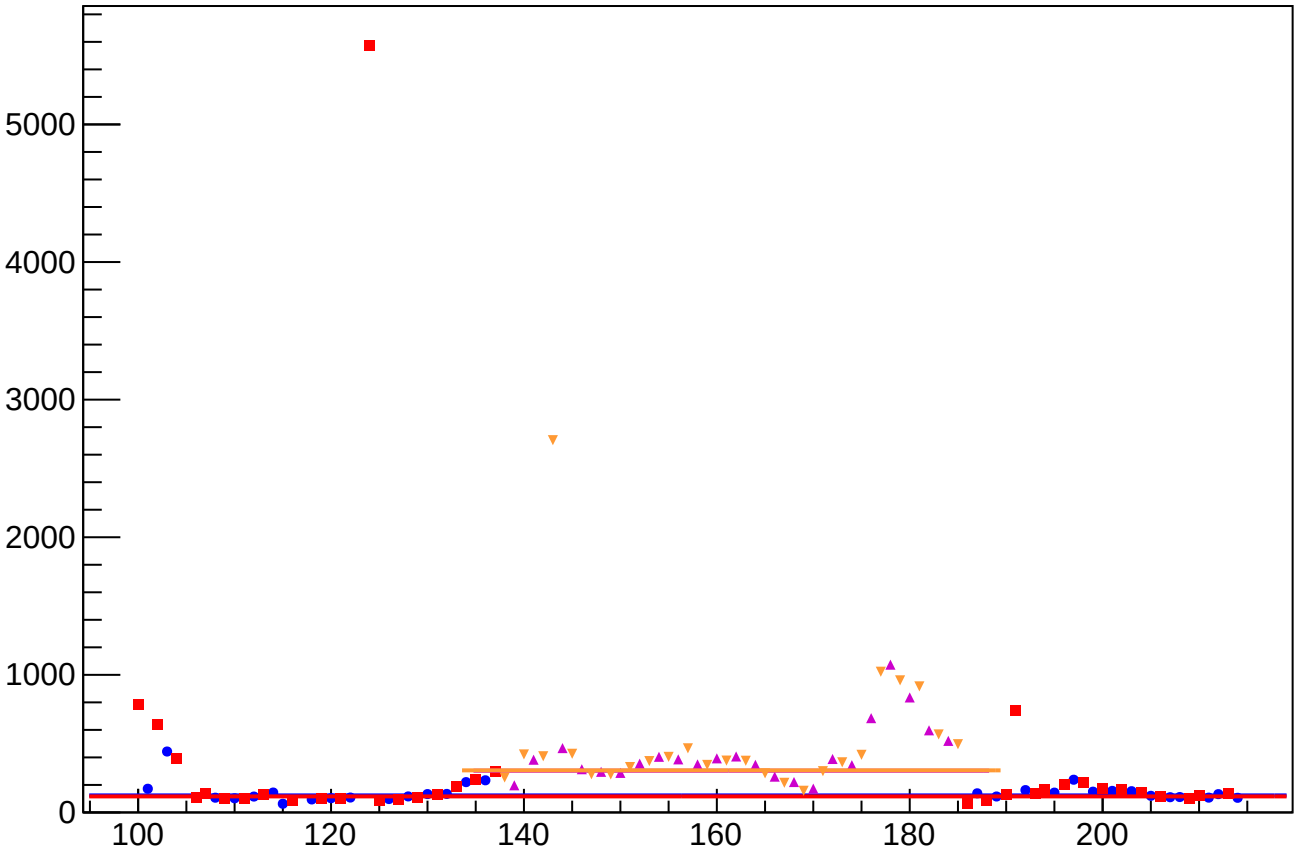
Right Out: 0.034+/-0.030 χ^2/NDF: 41.4/33

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.011+/-0.029 χ^2/NDF: 55.8/54

All: 0.017+/-0.020 χ^2/NDF: 124.6/111

- sign 0.023+/-0.028 χ^2/NDF: 68.7/56



Right In: 123.995+/-0.022 χ^2/NDF: 2565079.3/29

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

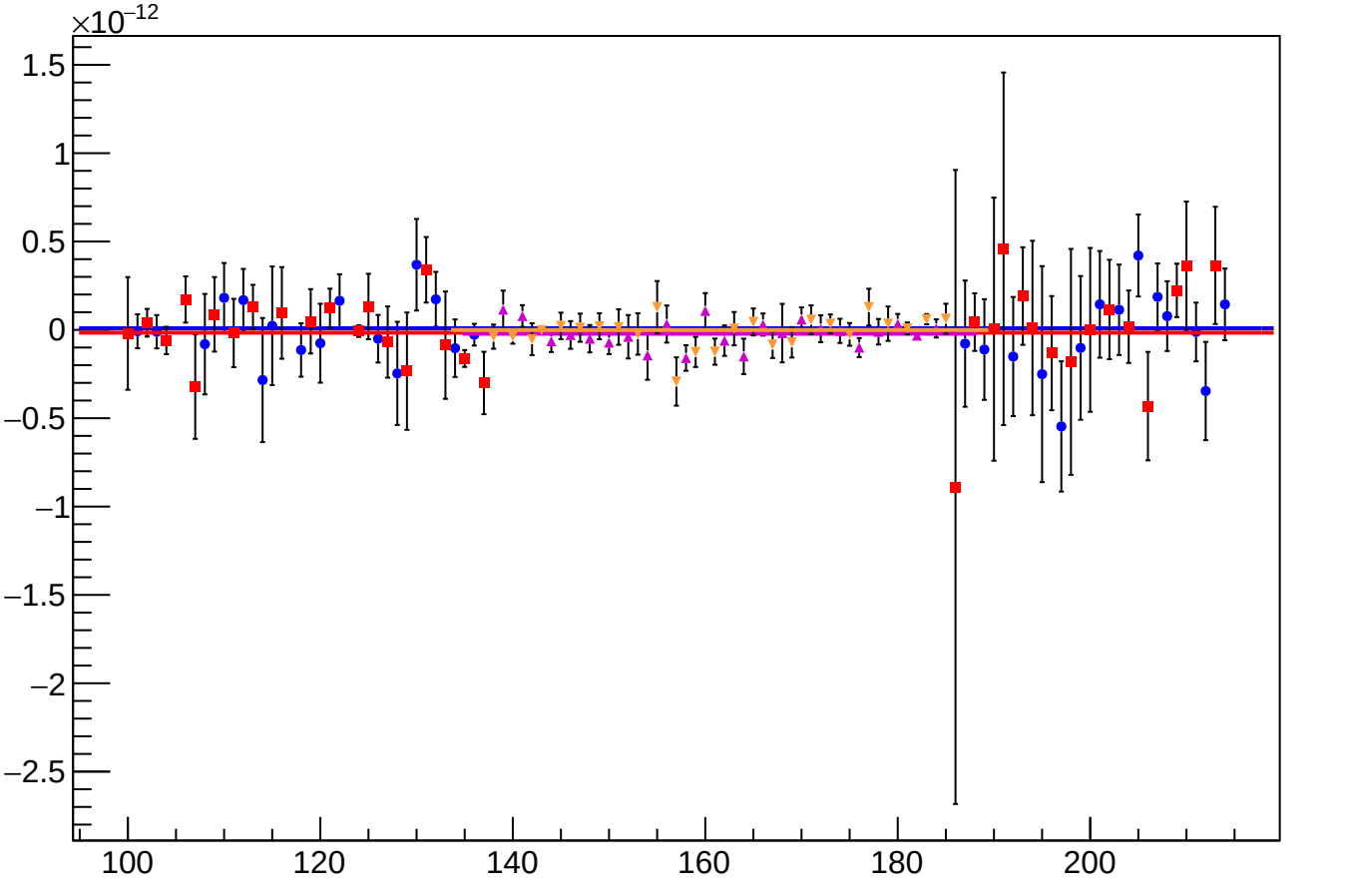
Right Out: 116.636+/-0.021 χ^2/NDF: 4452609.4/33

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 148.756+/-0.020 χ^2/NDF: 18617832.6/54

All: 144.665+/-0.014 χ^2/NDF: 38109114.9/11

- sign 140.832+/-0.020 χ^2/NDF: 19412856.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

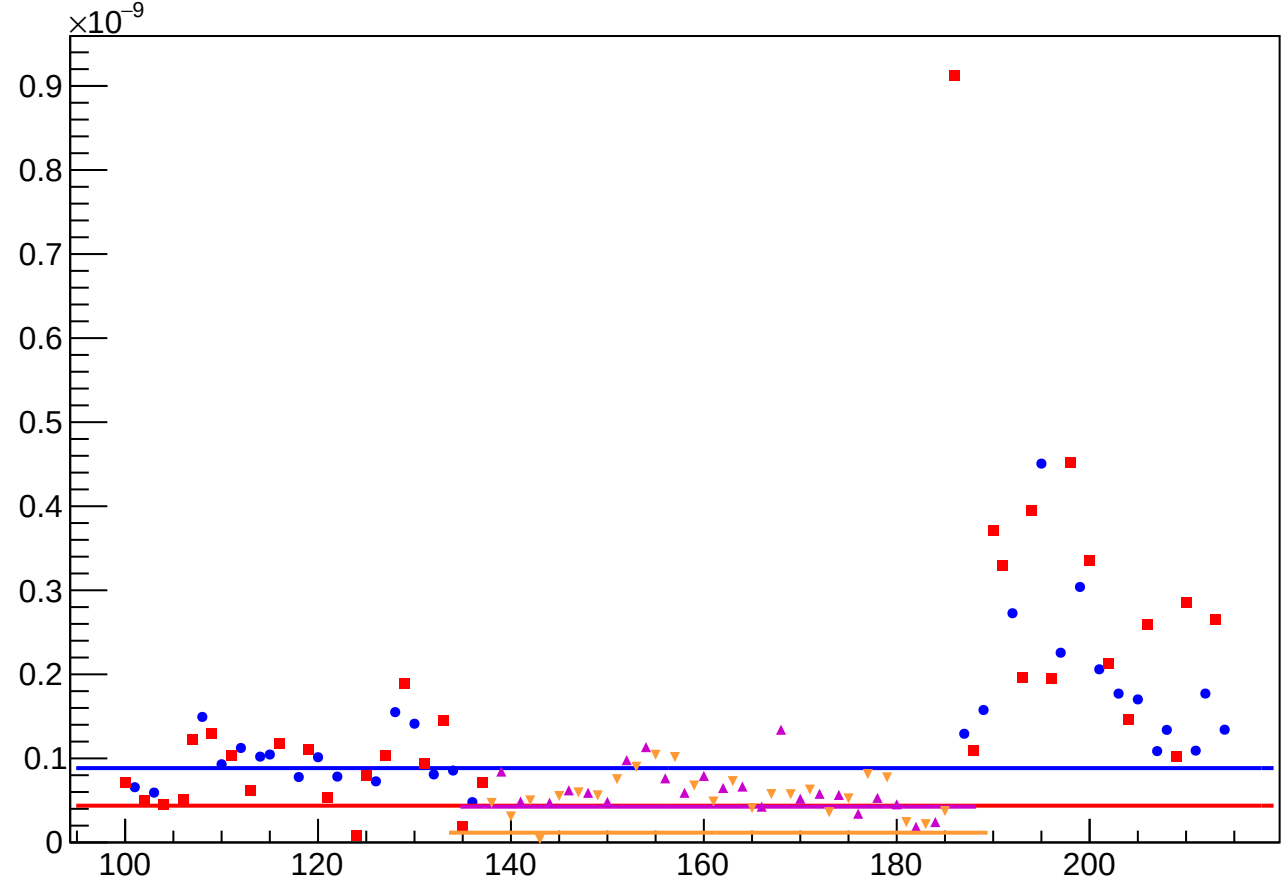
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.9/54

All: -0.000+/-0.000 χ^2/NDF: 95.6/111

- sign -0.000+/-0.000 χ^2/NDF: 52.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 5094650.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14294049.6/33

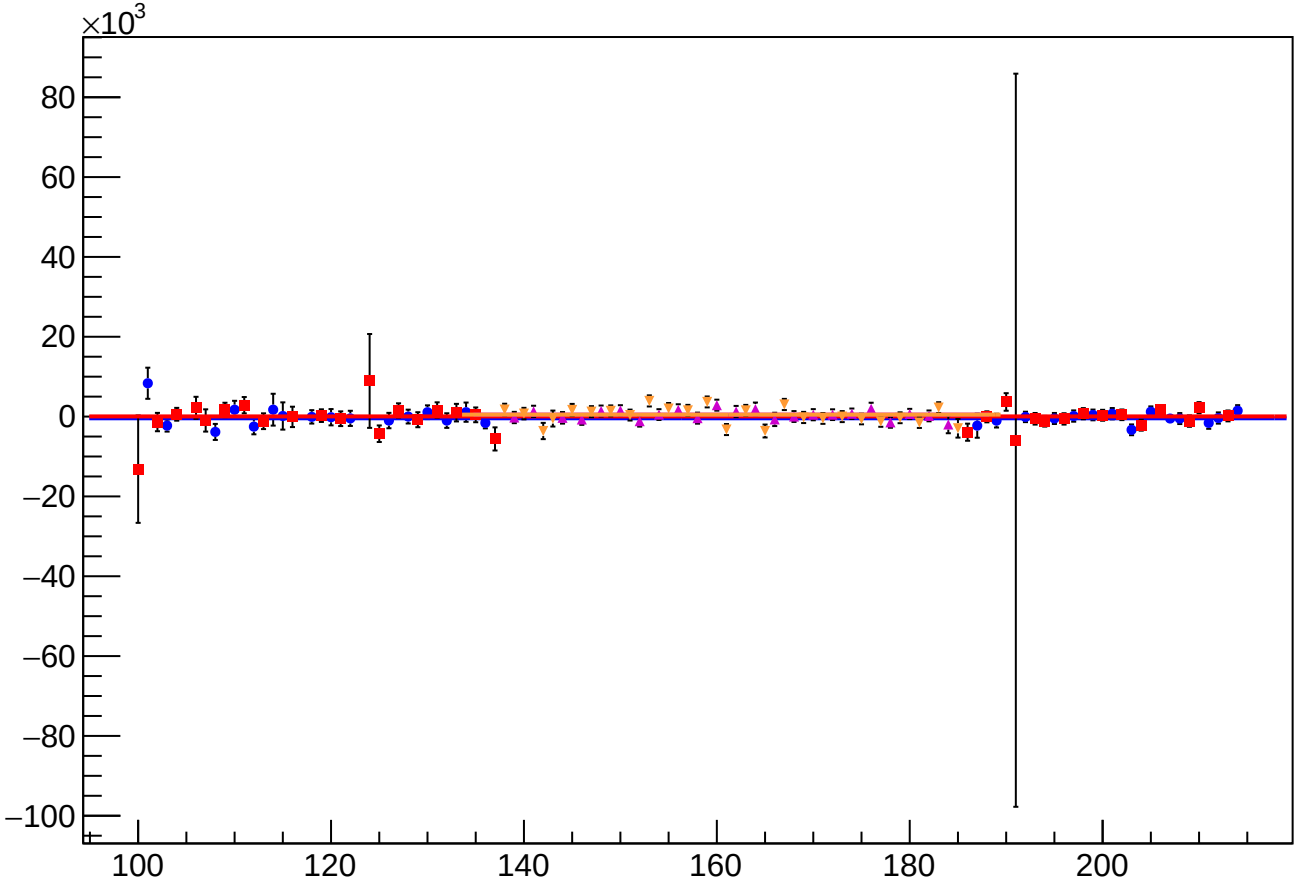
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 35025250.6/54

All: 0.000+/-0.000 χ^2/NDF: 65047986.9/111

- sign 0.000+/-0.000 χ^2/NDF: 19718697.6/56

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -426.592+/-300.975 χ^2/NDF: 24.5/29

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 43.378+/-300.709 χ^2/NDF: 31.1/33

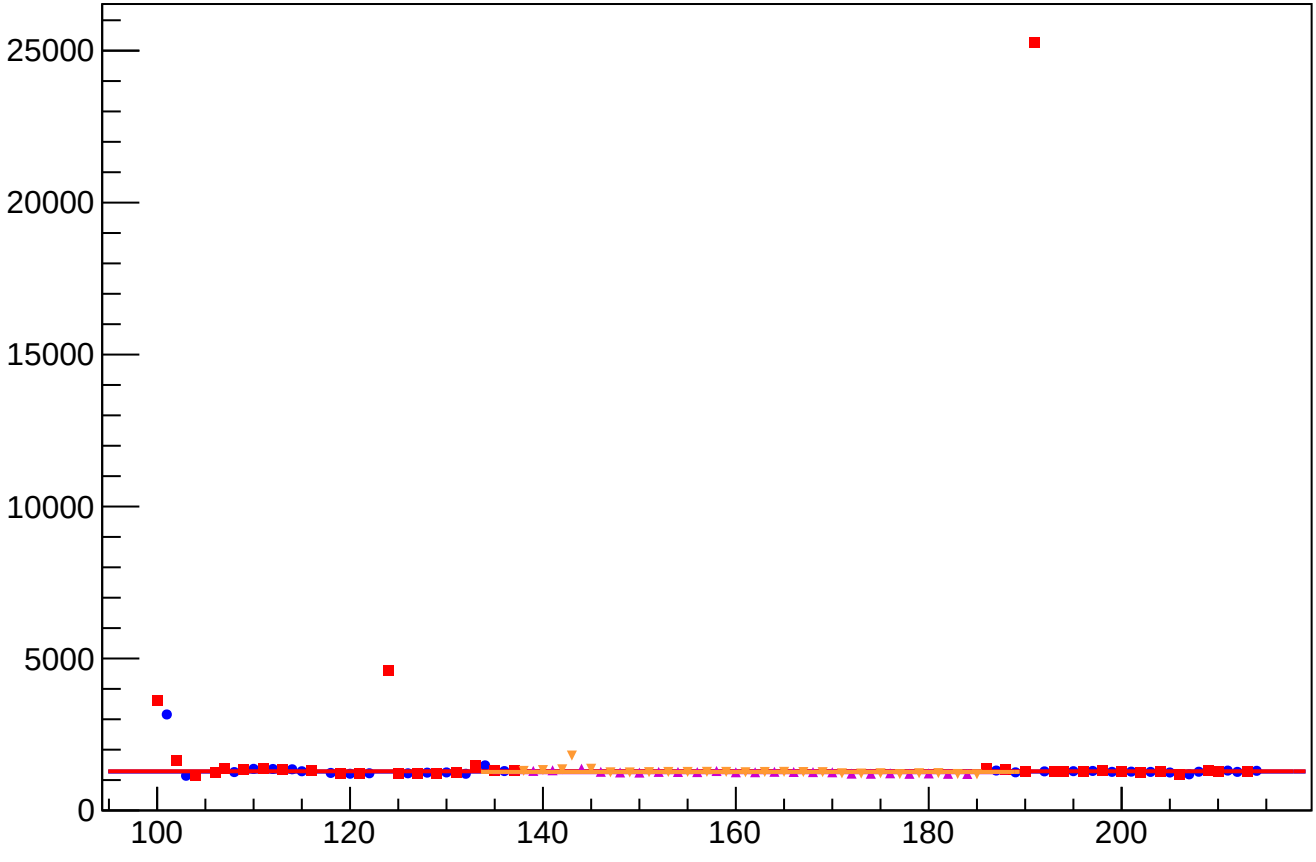
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 52.176+/-208.269 χ^2/NDF: 76.2/54

All: 160.252+/-147.924 χ^2/NDF: 123.4/111

- sign 270.276+/-210.137 χ^2/NDF: 46.7/56

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530239.1/29

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

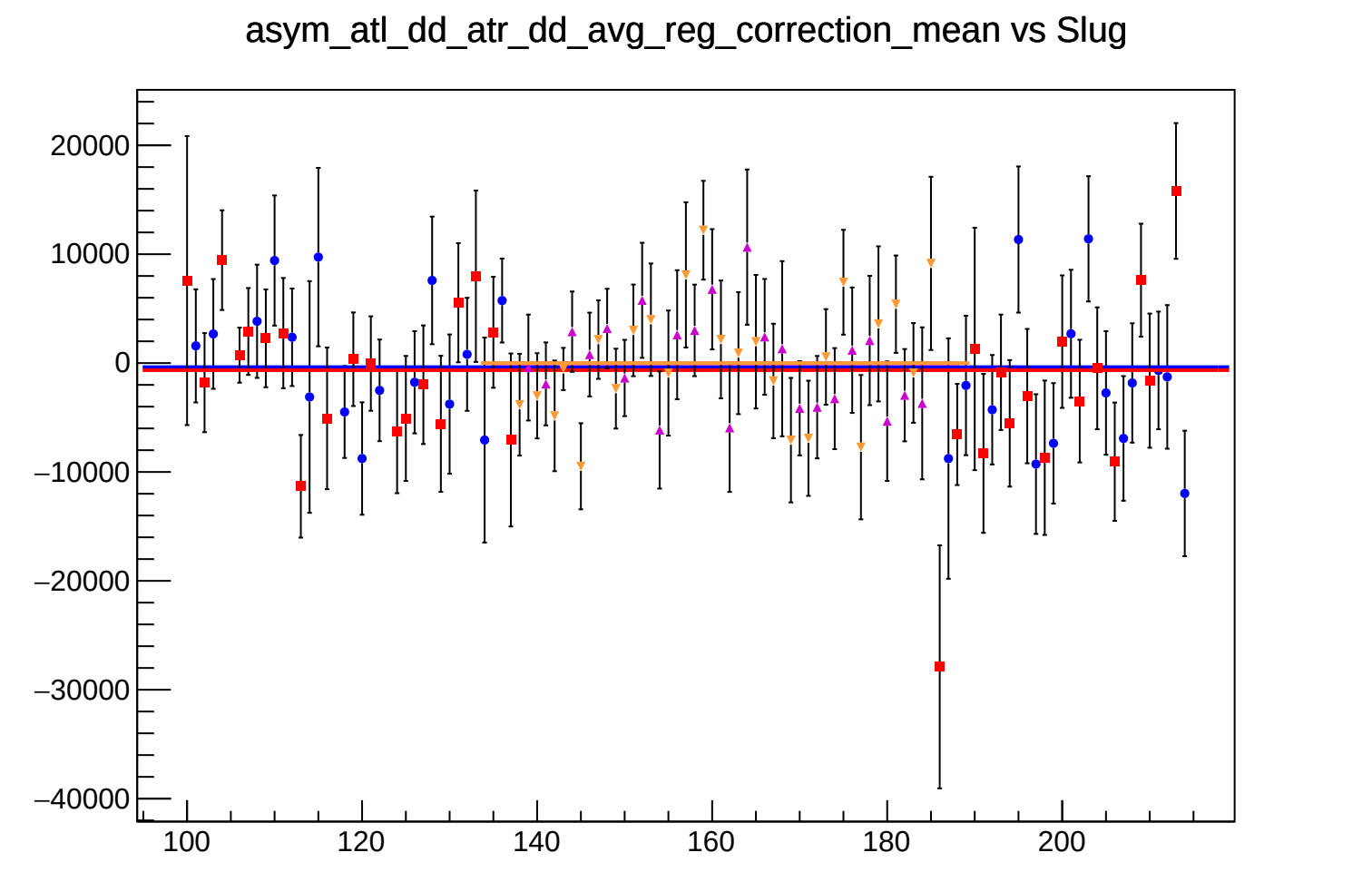
Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719374.8/54

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

- sign 1272.999+/-0.149 χ^2/NDF: 530876.1/56



Right In: -371.639+/-1019.500 χ^2/NDF: 32.8/29

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

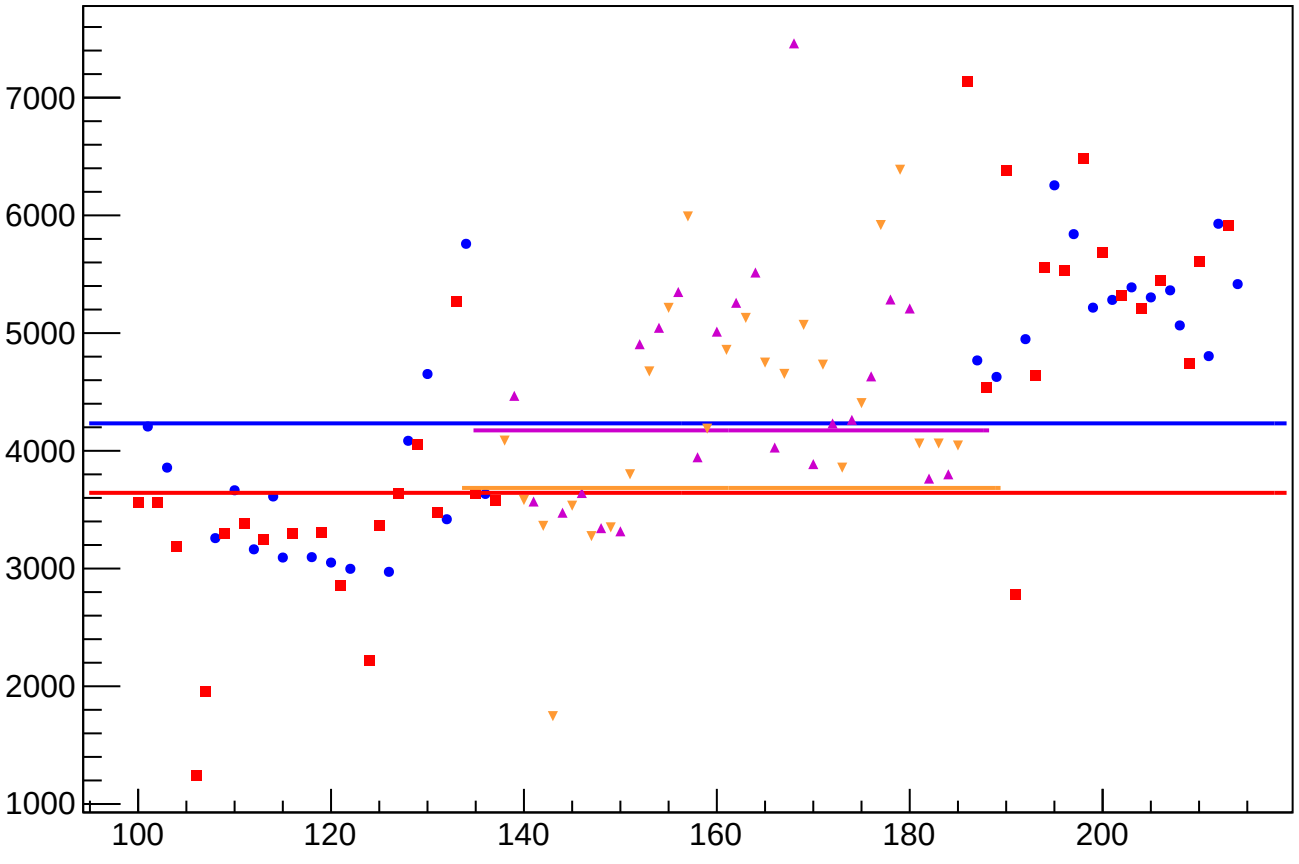
Right Out: -648.132+/-906.758 χ^2/NDF: 42.0/33

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -160.354+/-668.960 χ^2/NDF: 62.0/54

All: -264.225+/-473.503 χ^2/NDF: 118.3/111

- sign -368.515+/-670.311 χ^2/NDF: 56.3/56



Right In: 4233.221+/-0.721 χ^2/NDF: 1955213.8/29

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3643.091+/-0.641 χ^2/NDF: 5079409.7/33

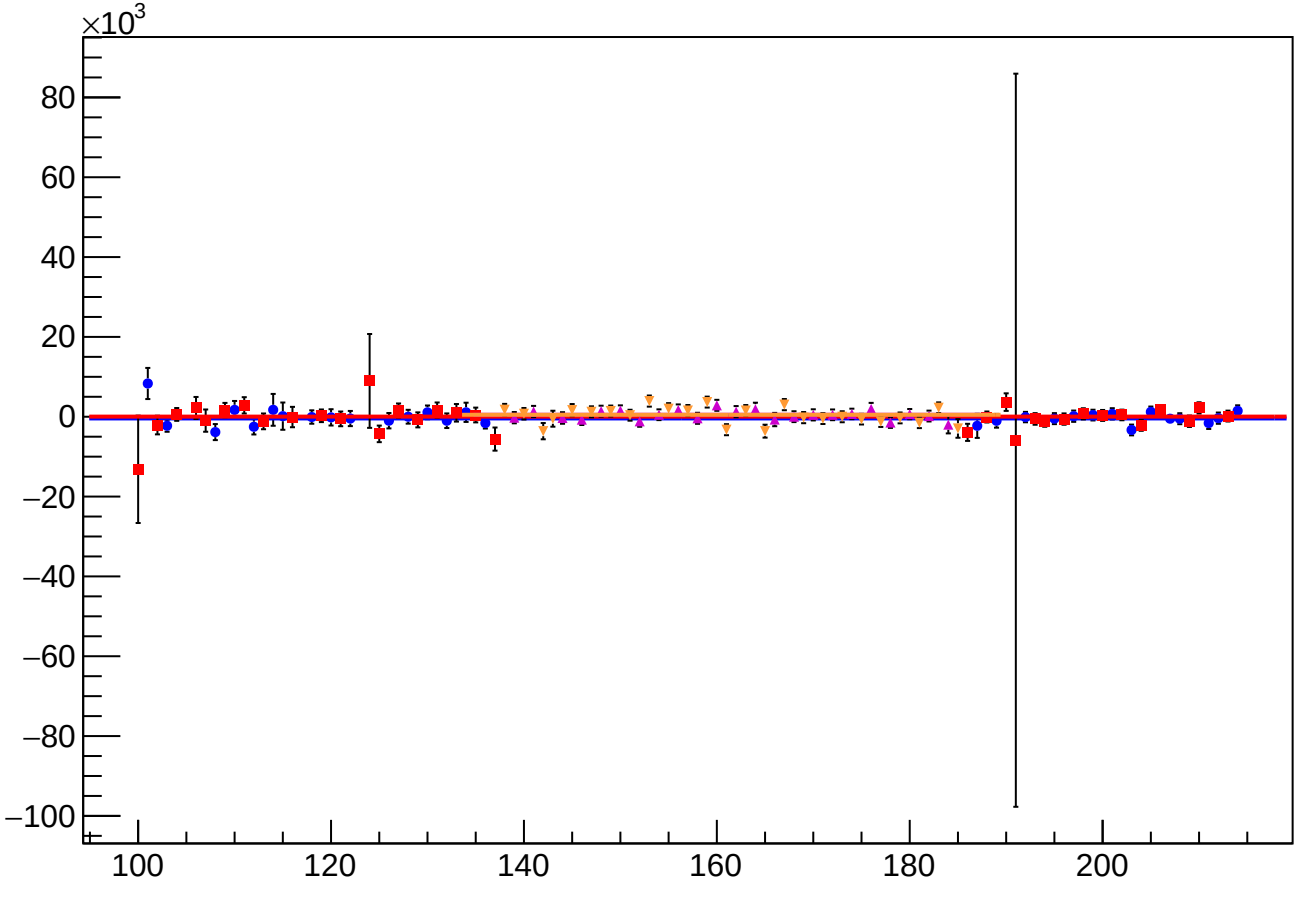
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3920.906+/-0.473 χ^2/NDF: 5978460.4/54

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1

\- sign 3883.671+/-0.474 χ^2/NDF: 6664807.5/56

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

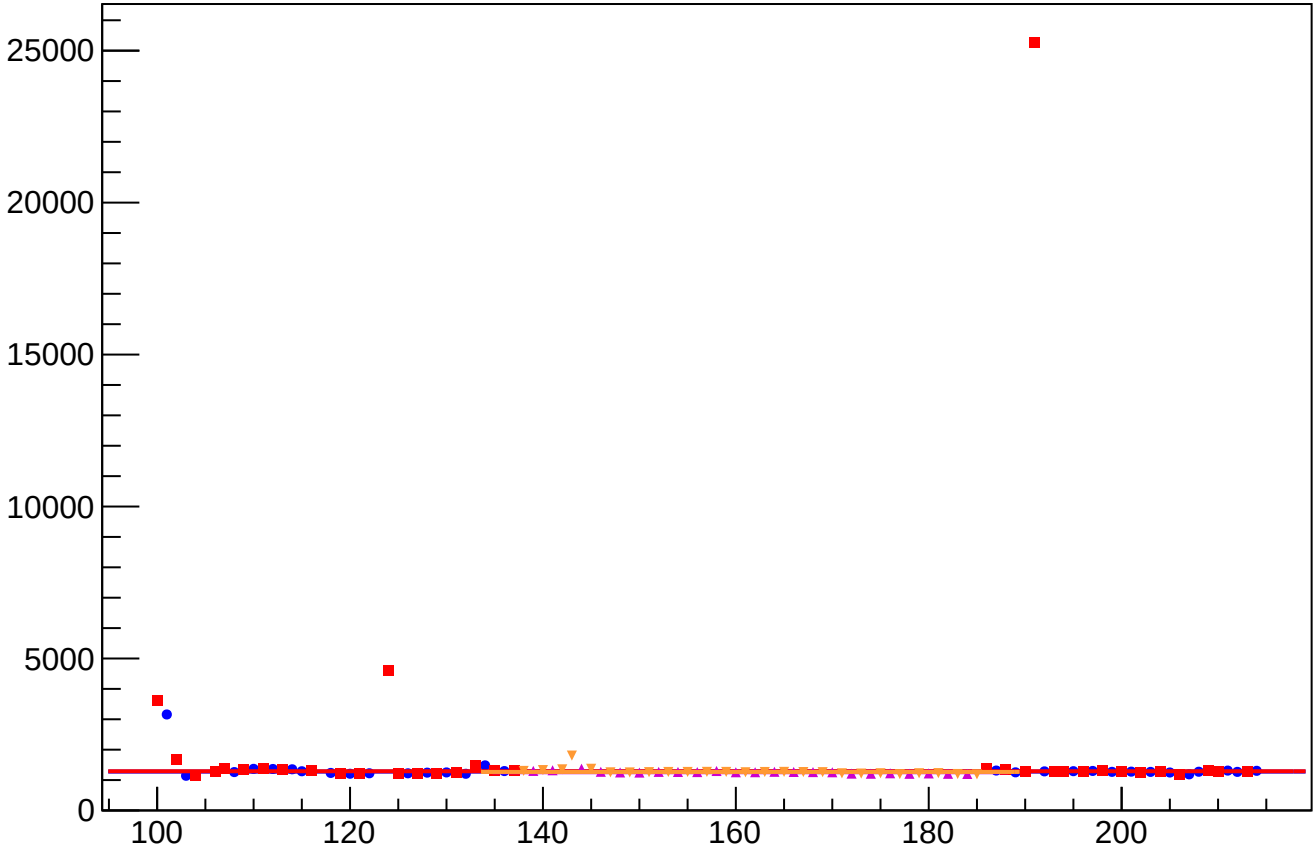
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

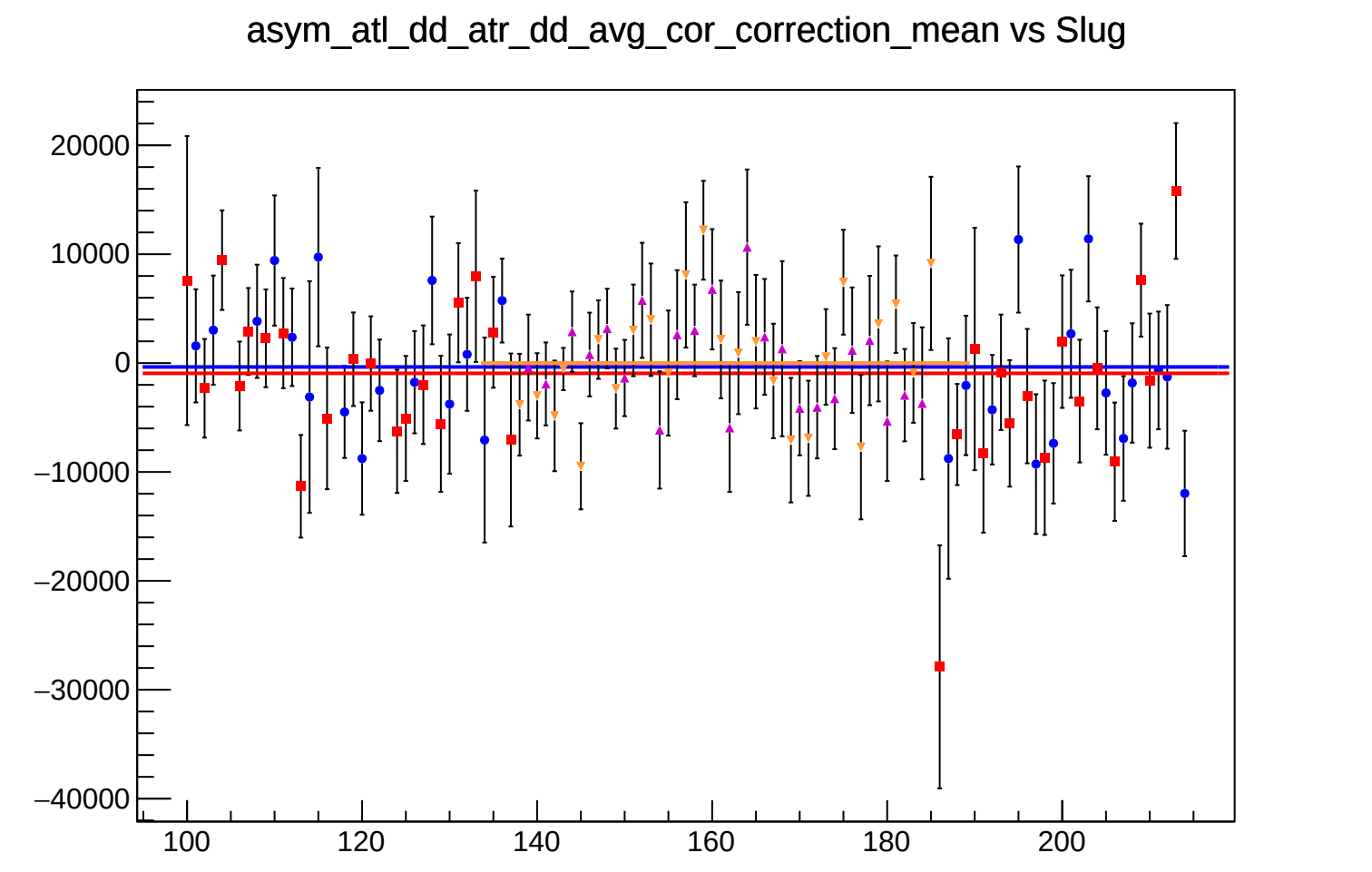
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

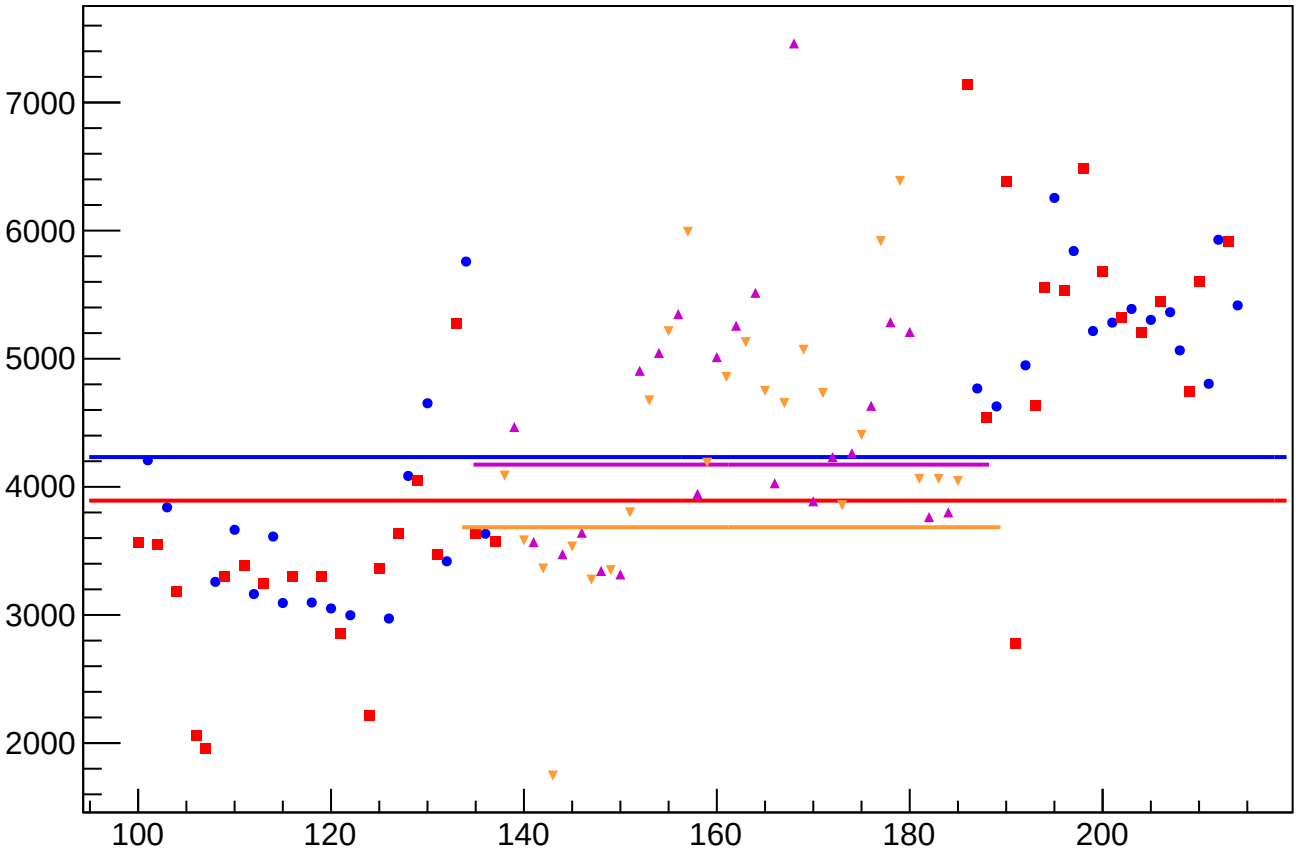
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

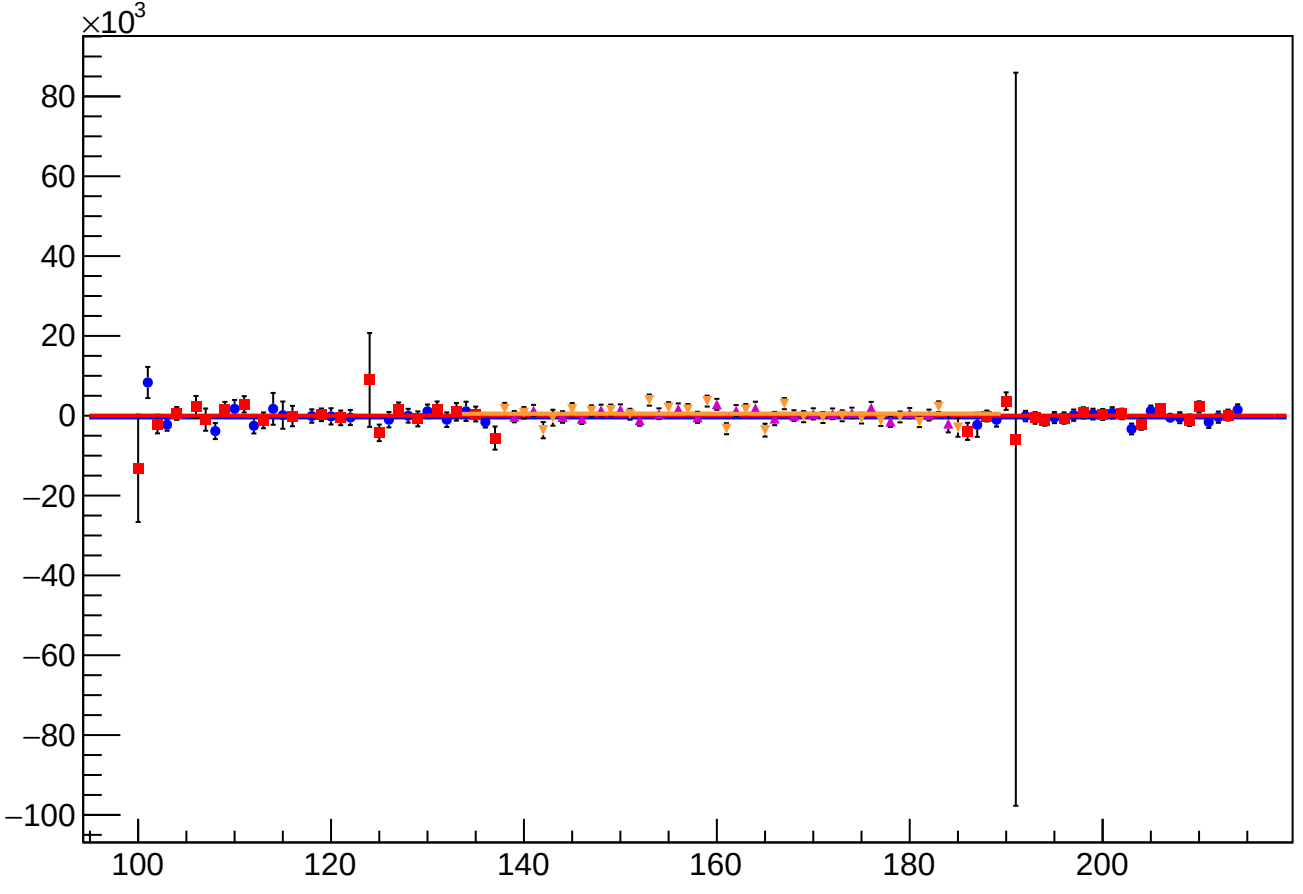
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

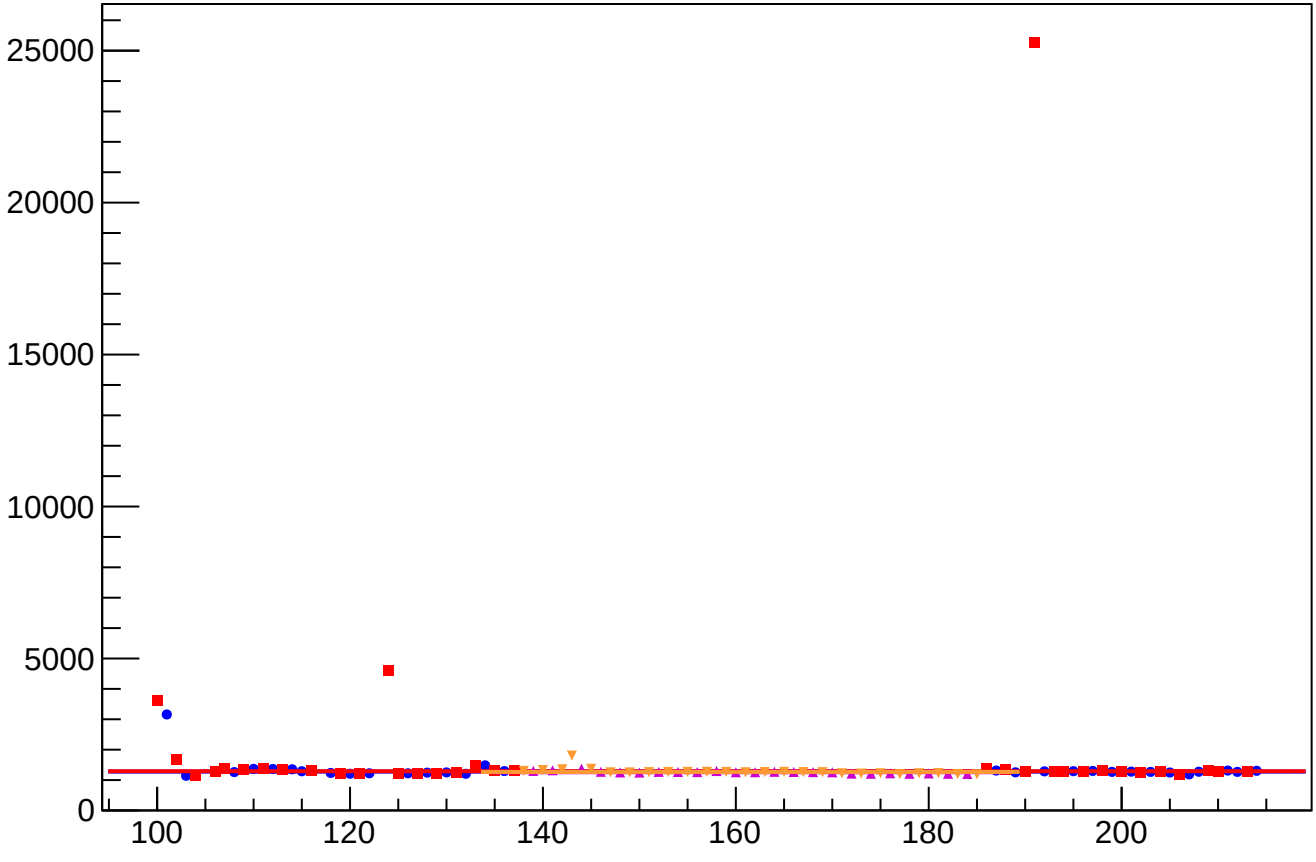
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

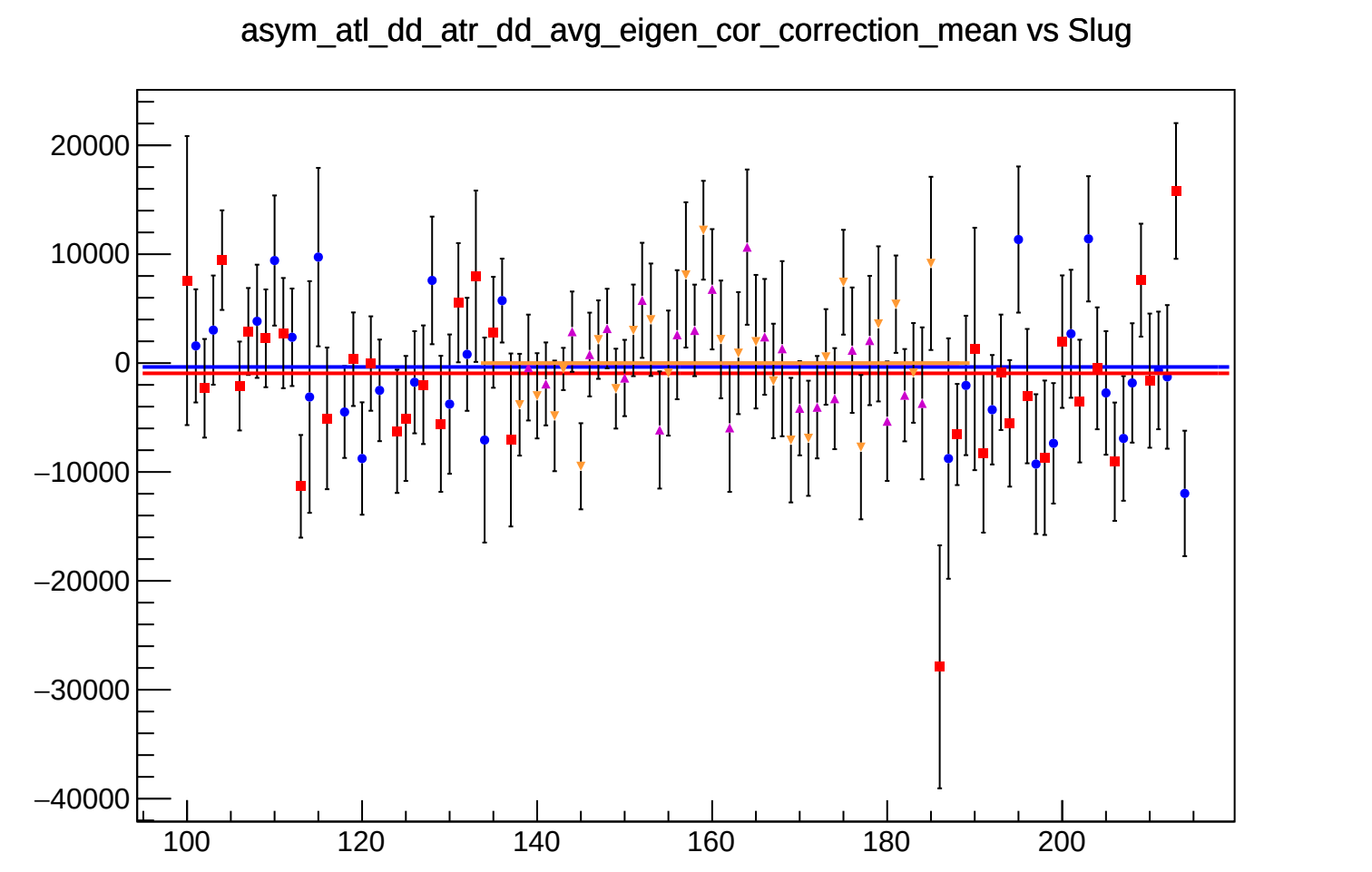
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

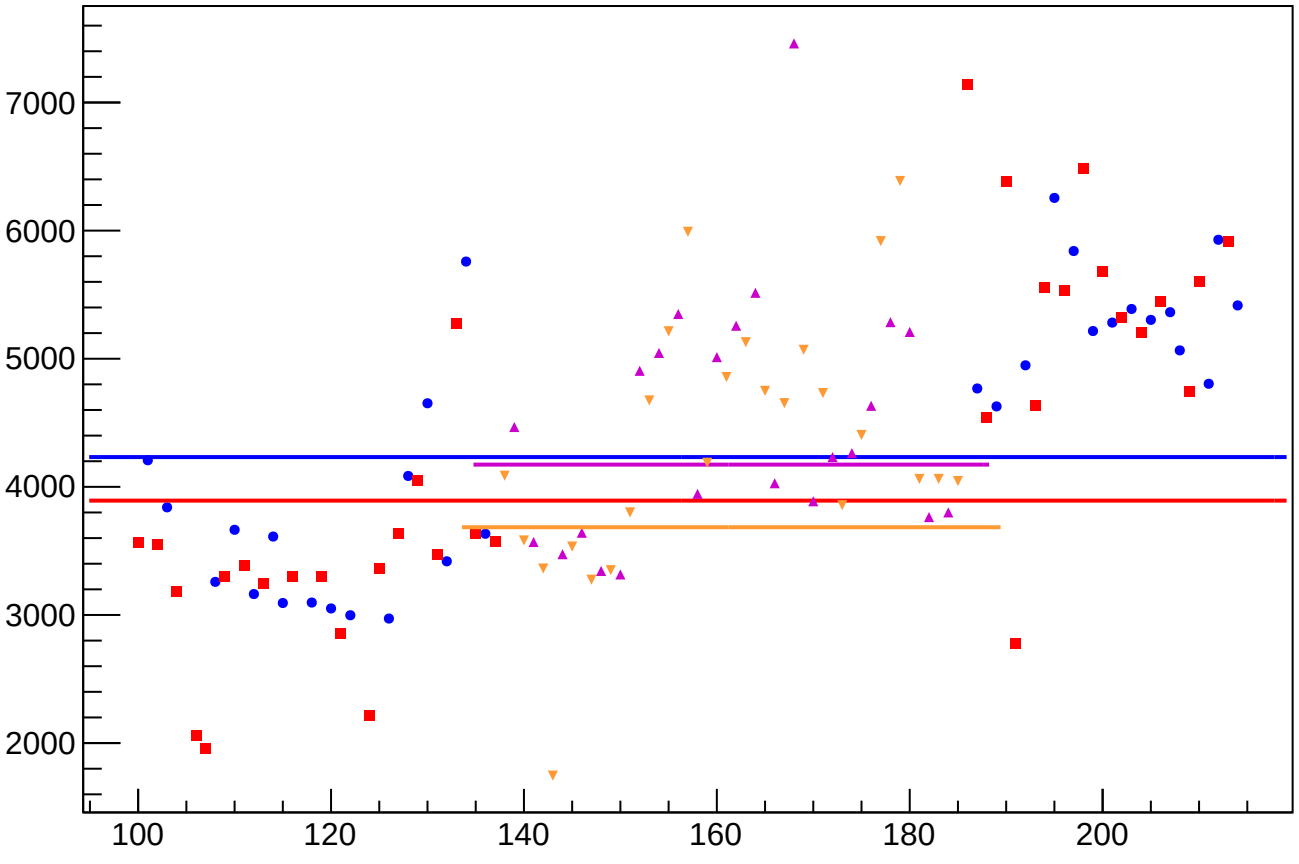
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

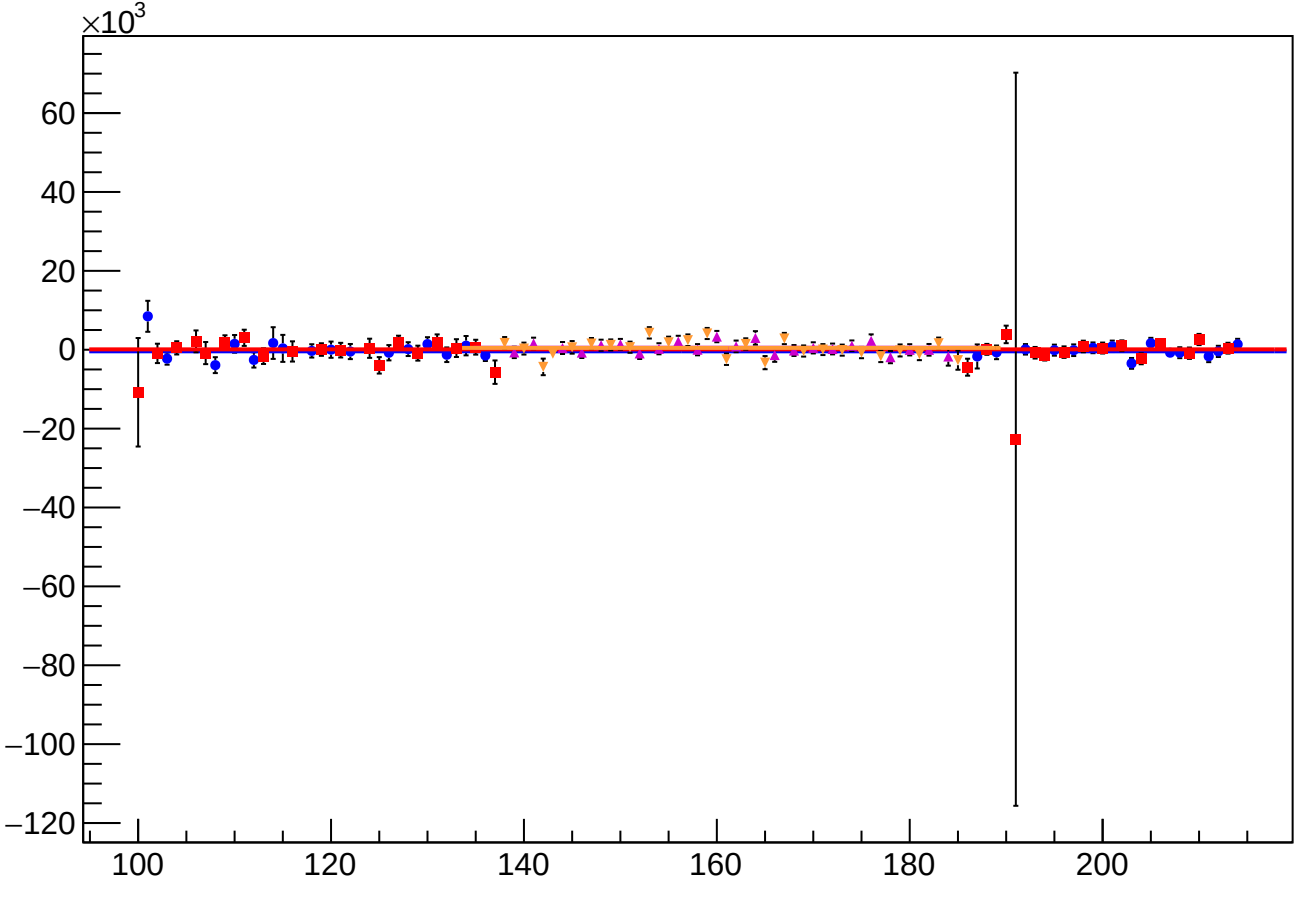
Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.184+/-303.071 χ^2/NDF: 32.7/33

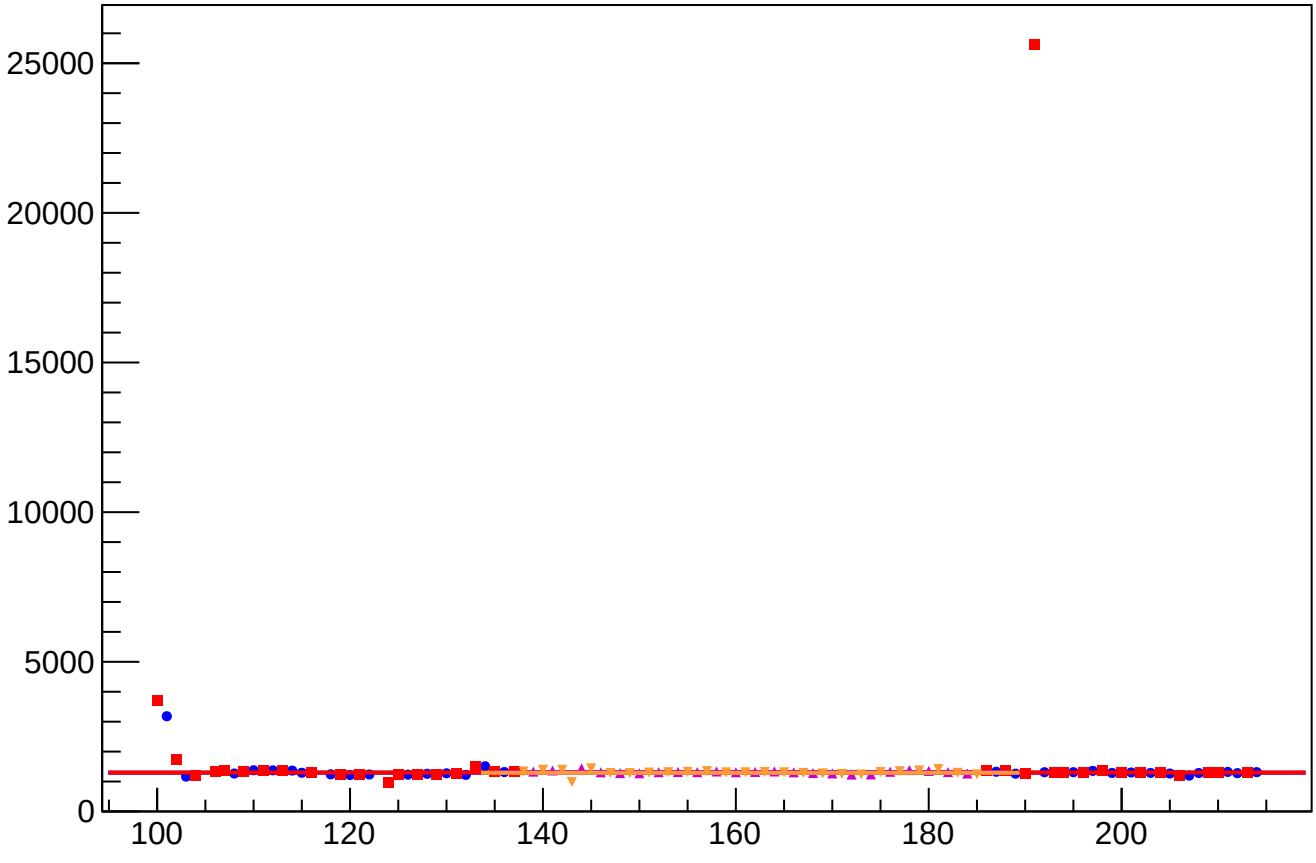
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 48.884+/-211.735 χ^2/NDF: 74.0/54

All: 170.248+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.698 χ^2/NDF: 51.0/56

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.1/29

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

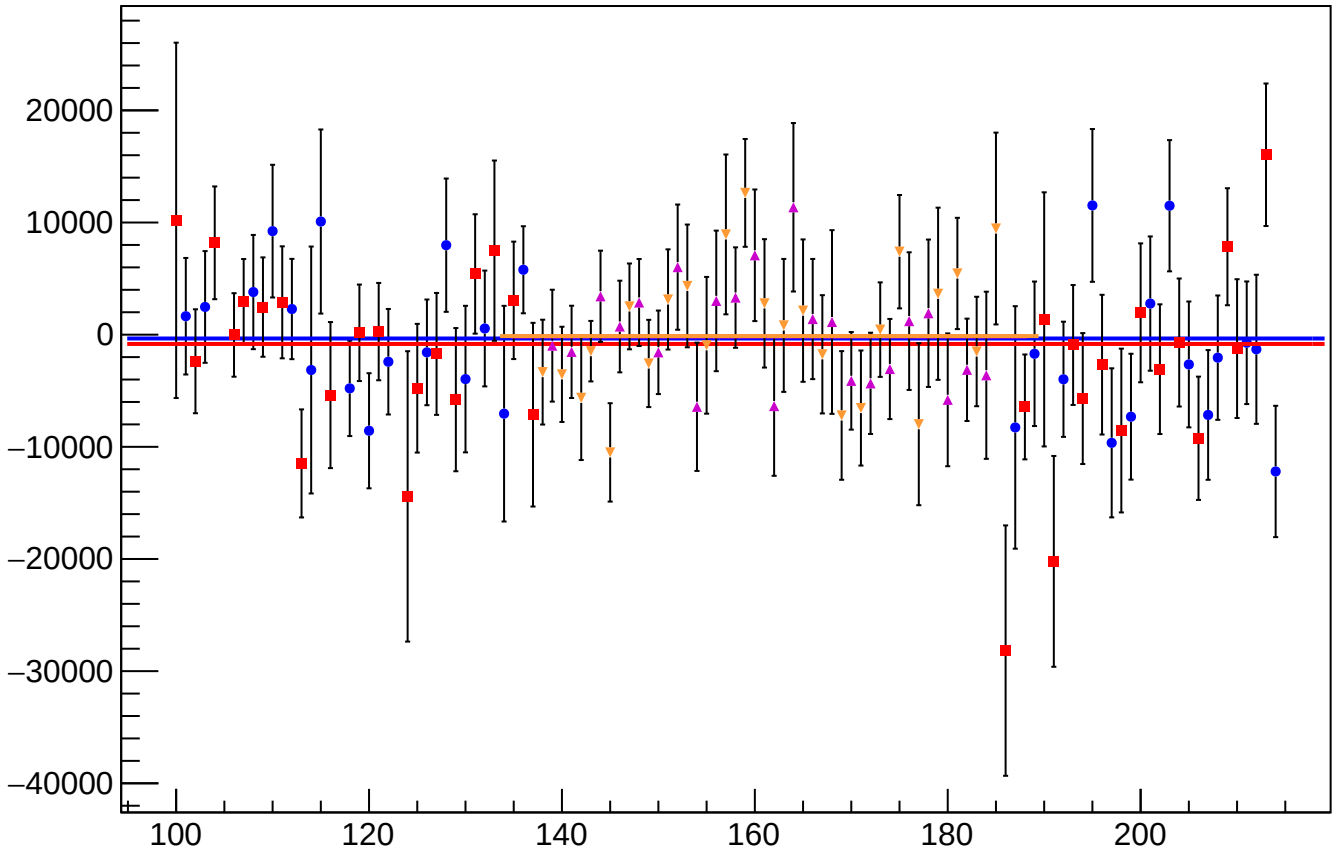
Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761026.8/54

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11

- sign 1307.401+/-0.152 χ^2/NDF: 423221.0/56



Right In: -341.222+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

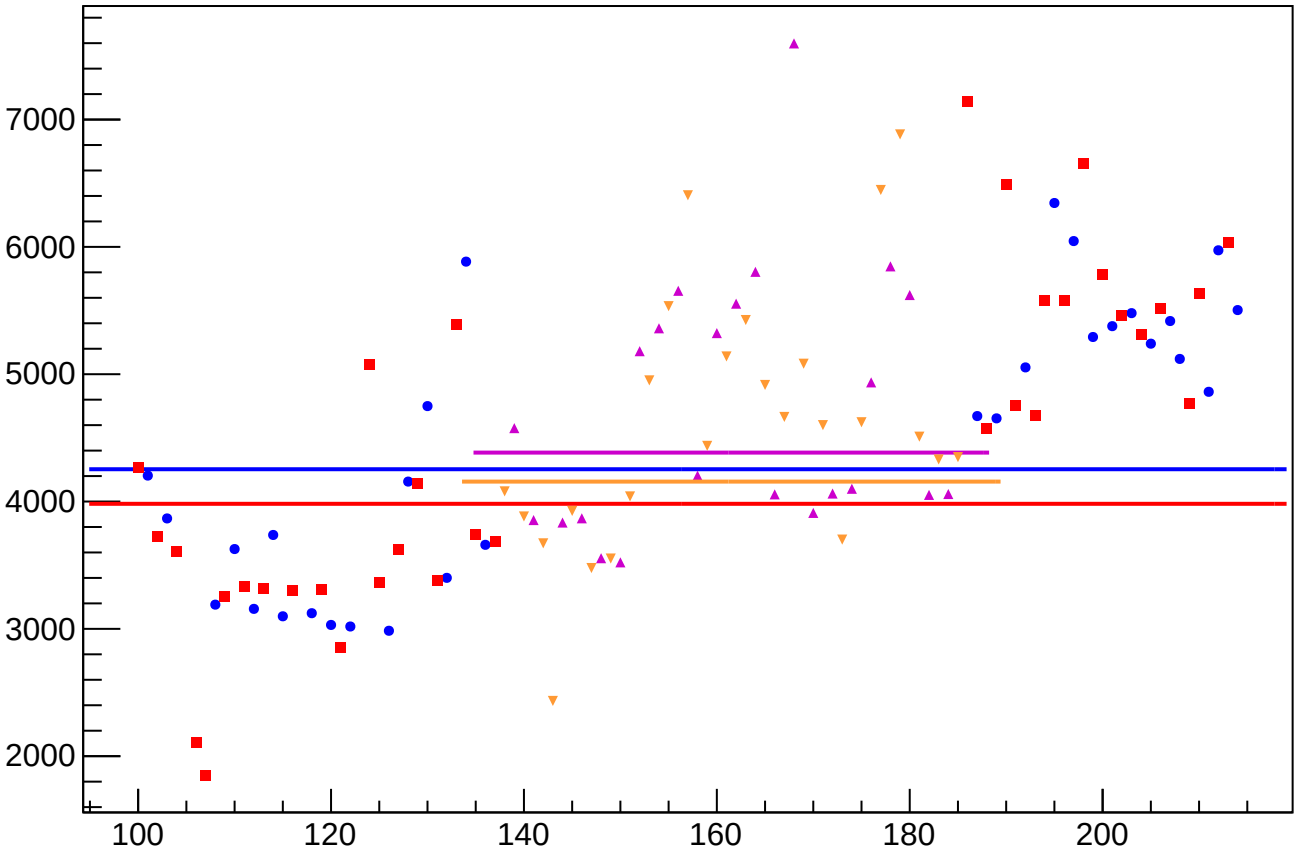
Right Out: -828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -229.082+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.017+/-707.378 χ^2/NDF: 57.4/56



Right In: 4253.700+/-0.725 χ^2/NDF: 2056180.5/29

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

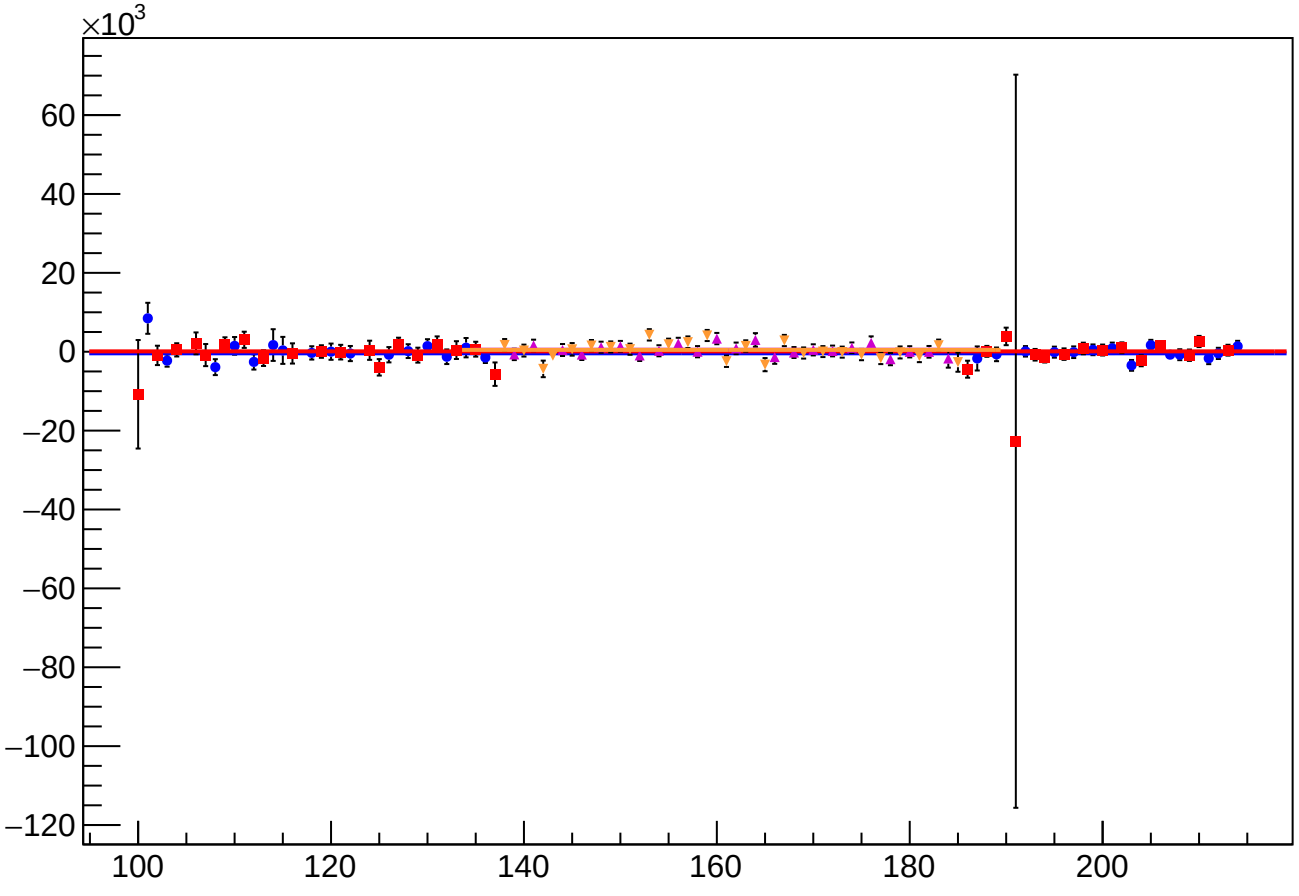
Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4202.796+/-0.500 χ^2/NDF: 4146346.3/54

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11

- sign 4166.225+/-0.500 χ^2/NDF: 4900580.1/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.185+/-303.071 χ^2/NDF: 32.7/33

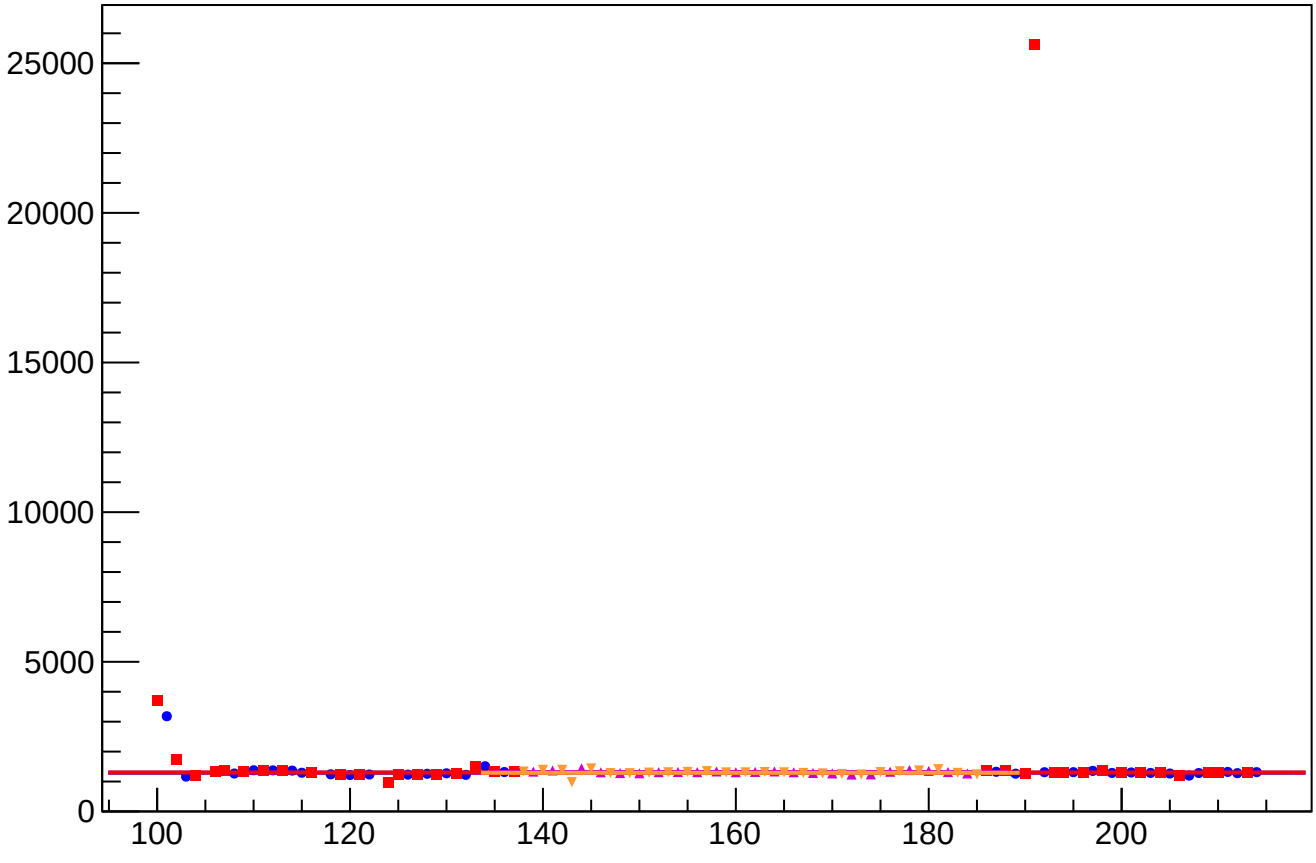
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 48.885+/-211.735 χ^2/NDF: 74.0/54

All: 170.249+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.699 χ^2/NDF: 51.0/56

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.2/29

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

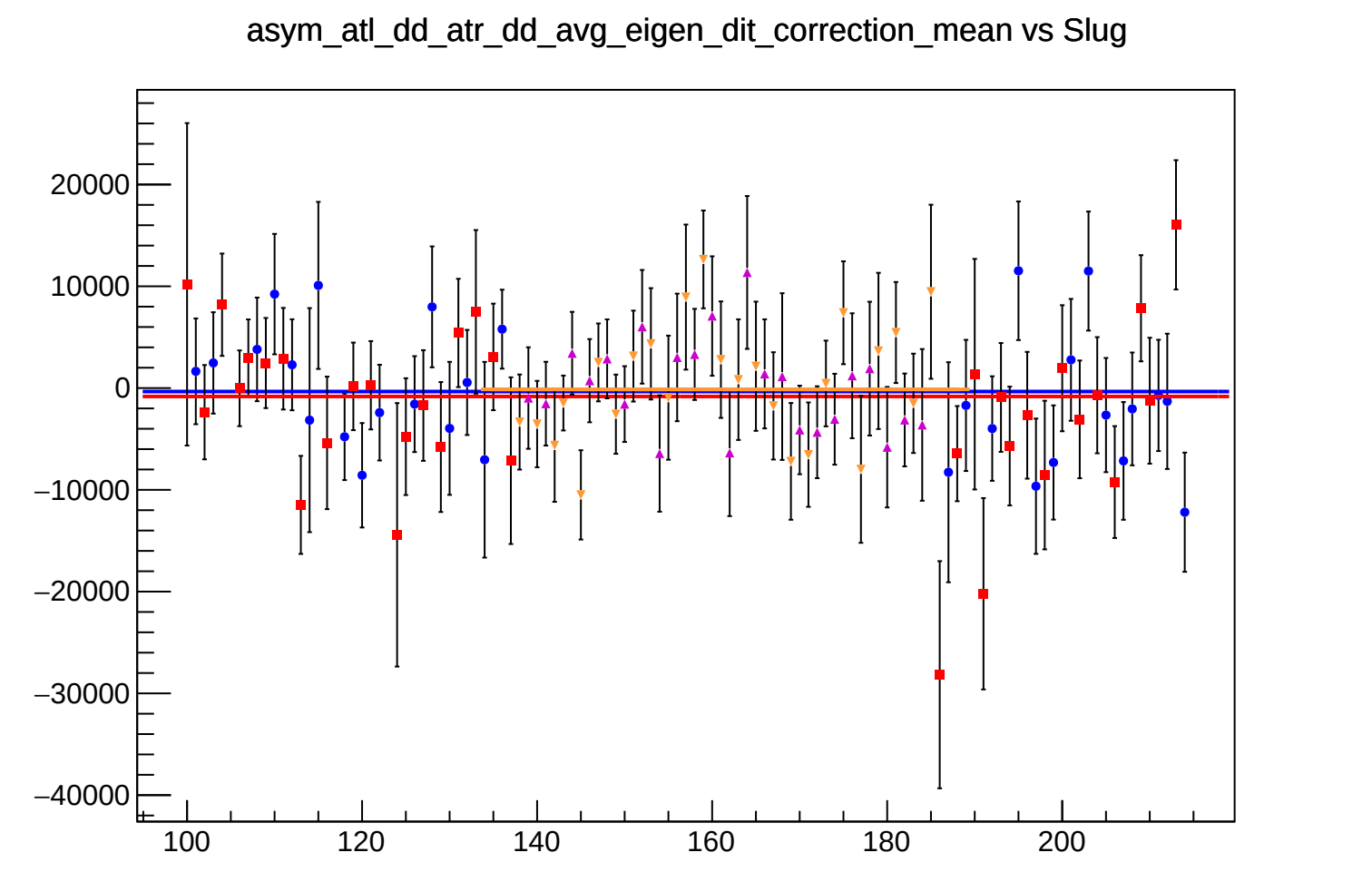
Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761029.3/54

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11

- sign 1307.402+/-0.152 χ^2/NDF: 423223.6/56



Right In: -341.225+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

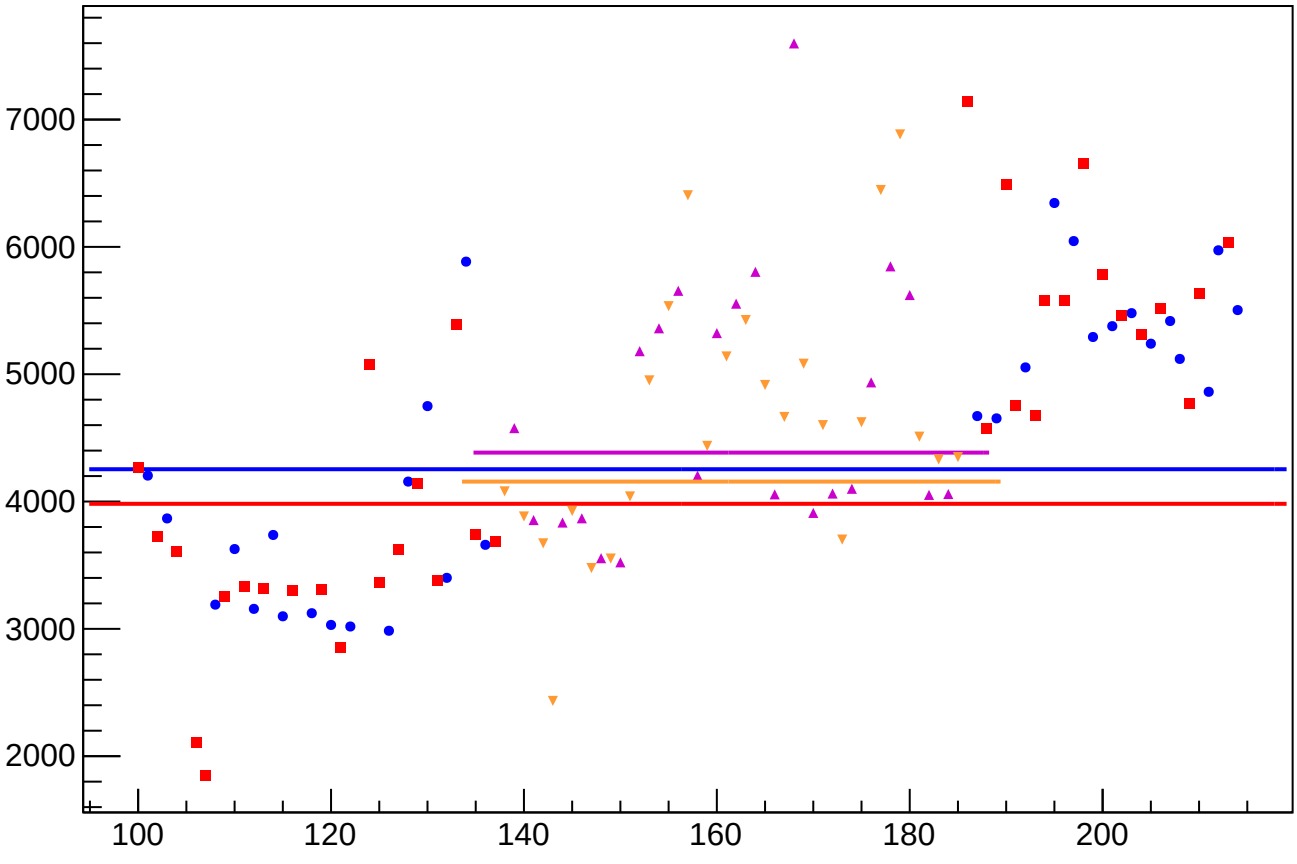
Right Out: -828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -229.083+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.015+/-707.379 χ^2/NDF: 57.4/56



Right In: 4253.695+/-0.725 χ^2/NDF: 2056216.9/29

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

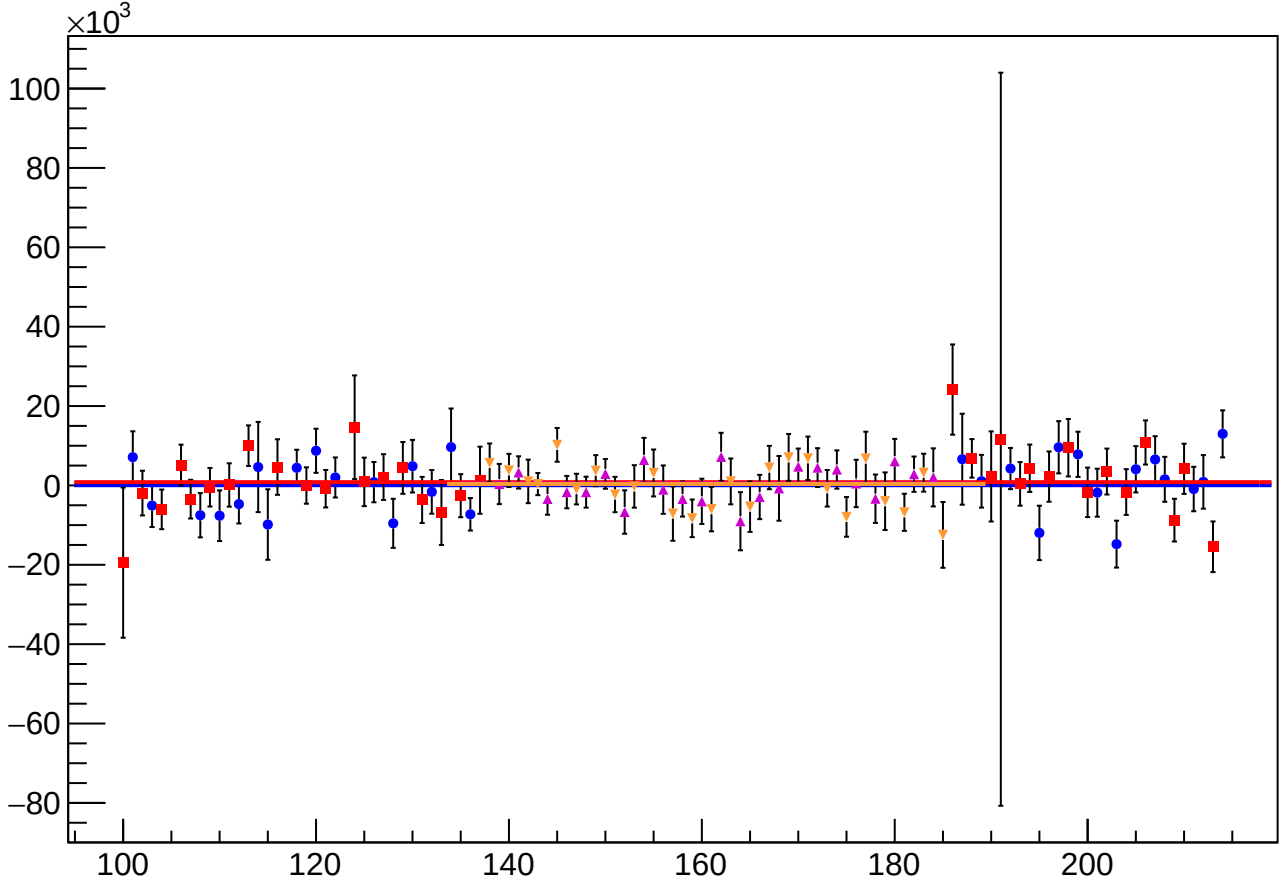
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4202.797+/-0.500 χ^2/NDF: 4146383.4/54

All: 4184.508+/-0.354 χ^2/NDF: 9049684.7/11

- sign 4166.224+/-0.500 χ^2/NDF: 4900628.6/56

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: 54.633+/-1079.312 χ^2/NDF: 39.5/29

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 822.015+/-1039.558 χ^2/NDF: 33.2/33

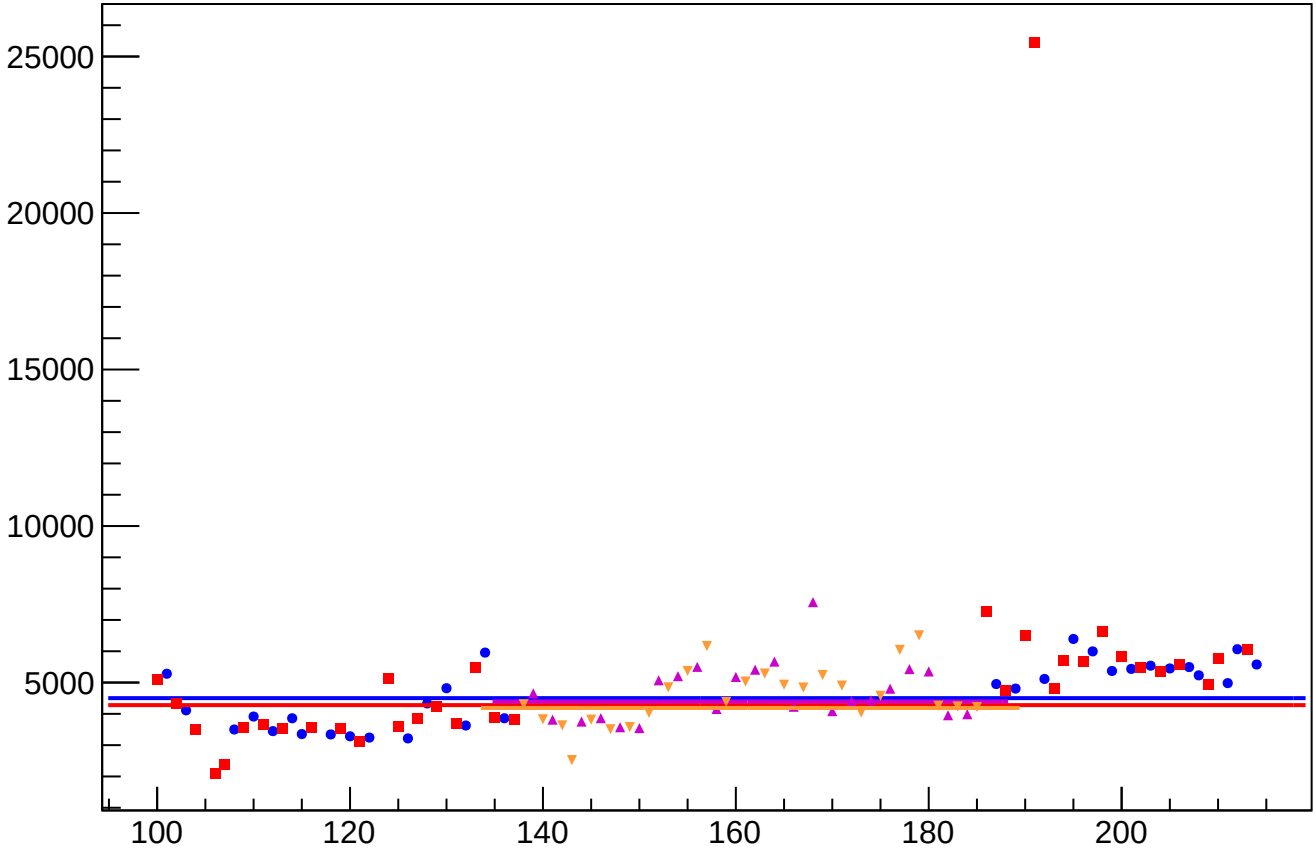
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 223.416+/-725.484 χ^2/NDF: 67.2/54

All: 438.583+/-516.981 χ^2/NDF: 114.5/111

- sign 660.570+/-736.892 χ^2/NDF: 47.1/56

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4501.866+/-0.763 χ^2/NDF: 1660246.7/29

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

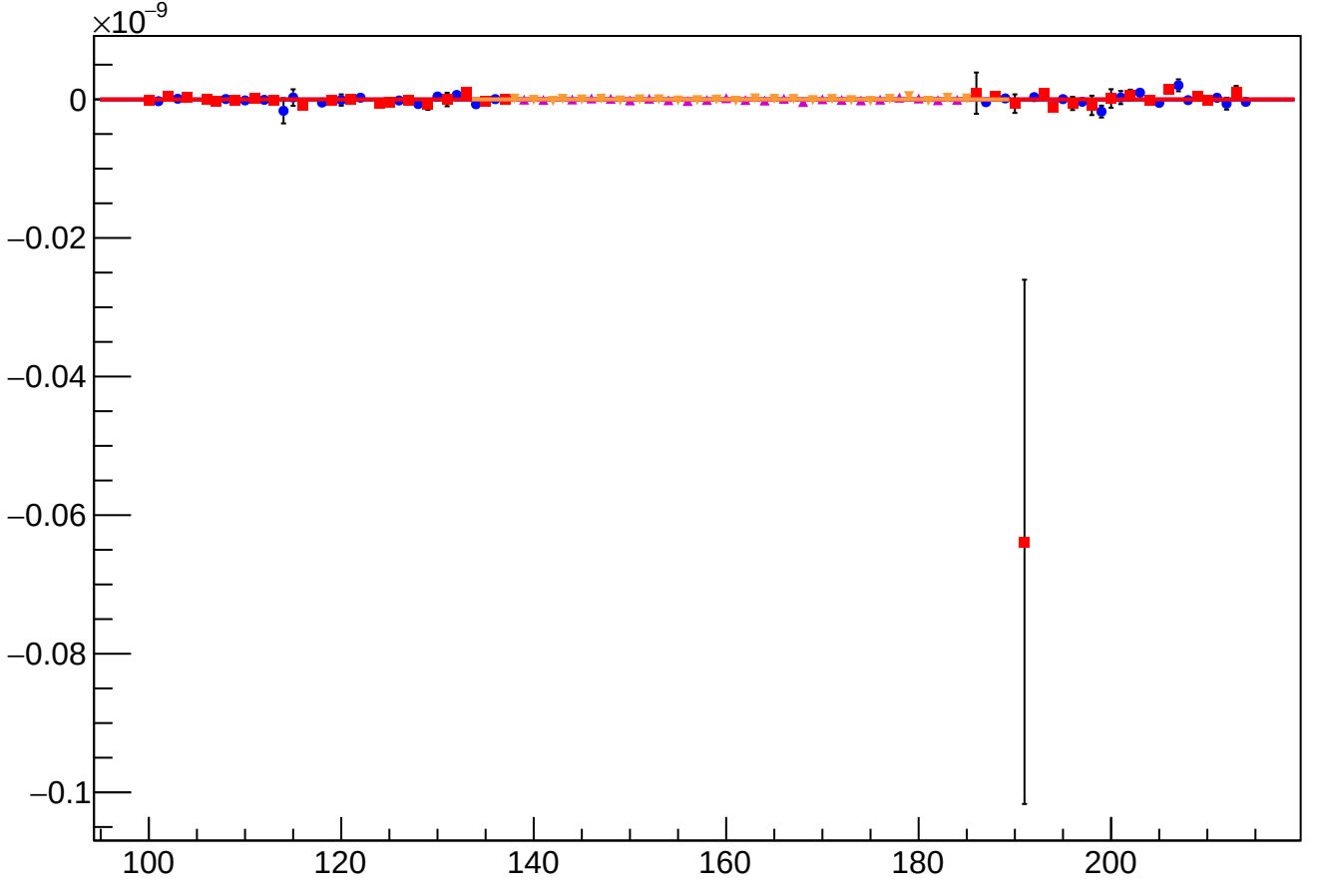
Right Out: 4278.738+/-0.729 χ^2/NDF: 2771161.8/33

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4329.727+/-0.513 χ^2/NDF: 3549398.3/54

All: 4332.710+/-0.365 χ^2/NDF: 7421427.4/11

- sign 4335.762+/-0.519 χ^2/NDF: 3871960.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

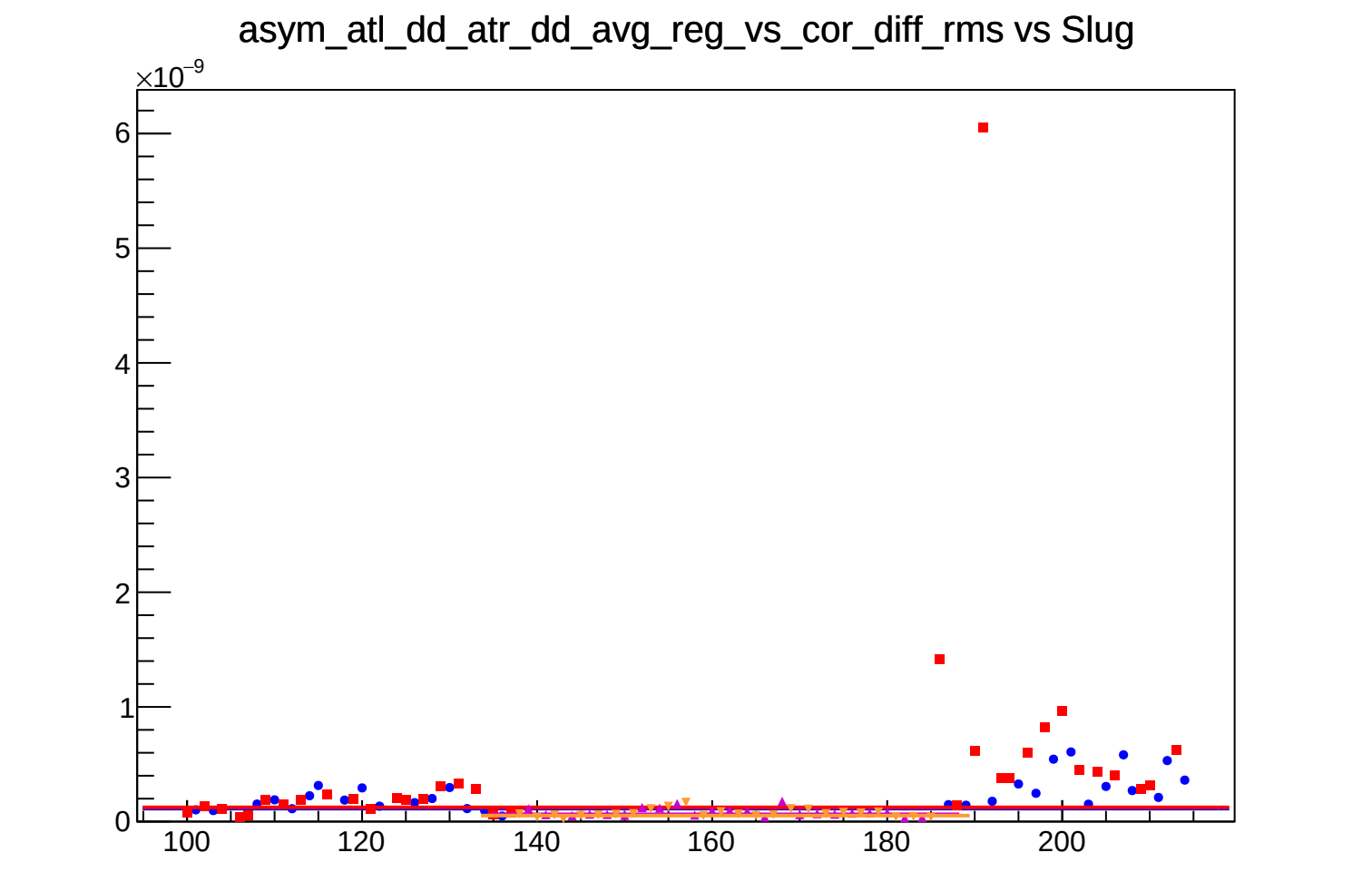
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/33

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

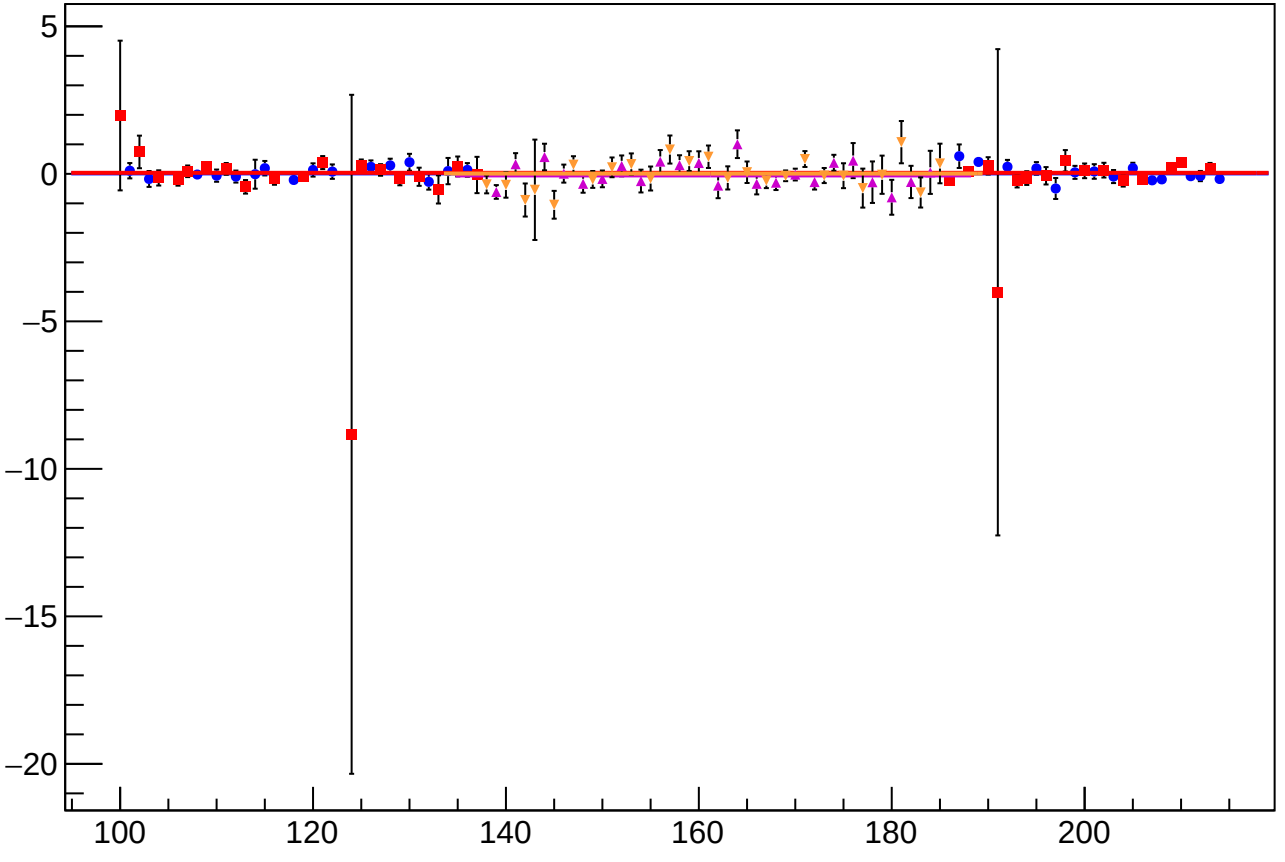
+ sign -0.000+/-0.000 χ^2/NDF: 66.2/54

All: -0.000+/-0.000 χ^2/NDF: 118.8/111

- sign -0.000+/-0.000 χ^2/NDF: 52.4/56


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
Right In: 0.000+/-0.000 χ²/NDF: 5327561.7/29
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10101048.3/54
All: 0.000+/-0.000 χ²/NDF: 21413077.3/111
- sign 0.000+/-0.000 χ²/NDF: 11026693.3/56

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

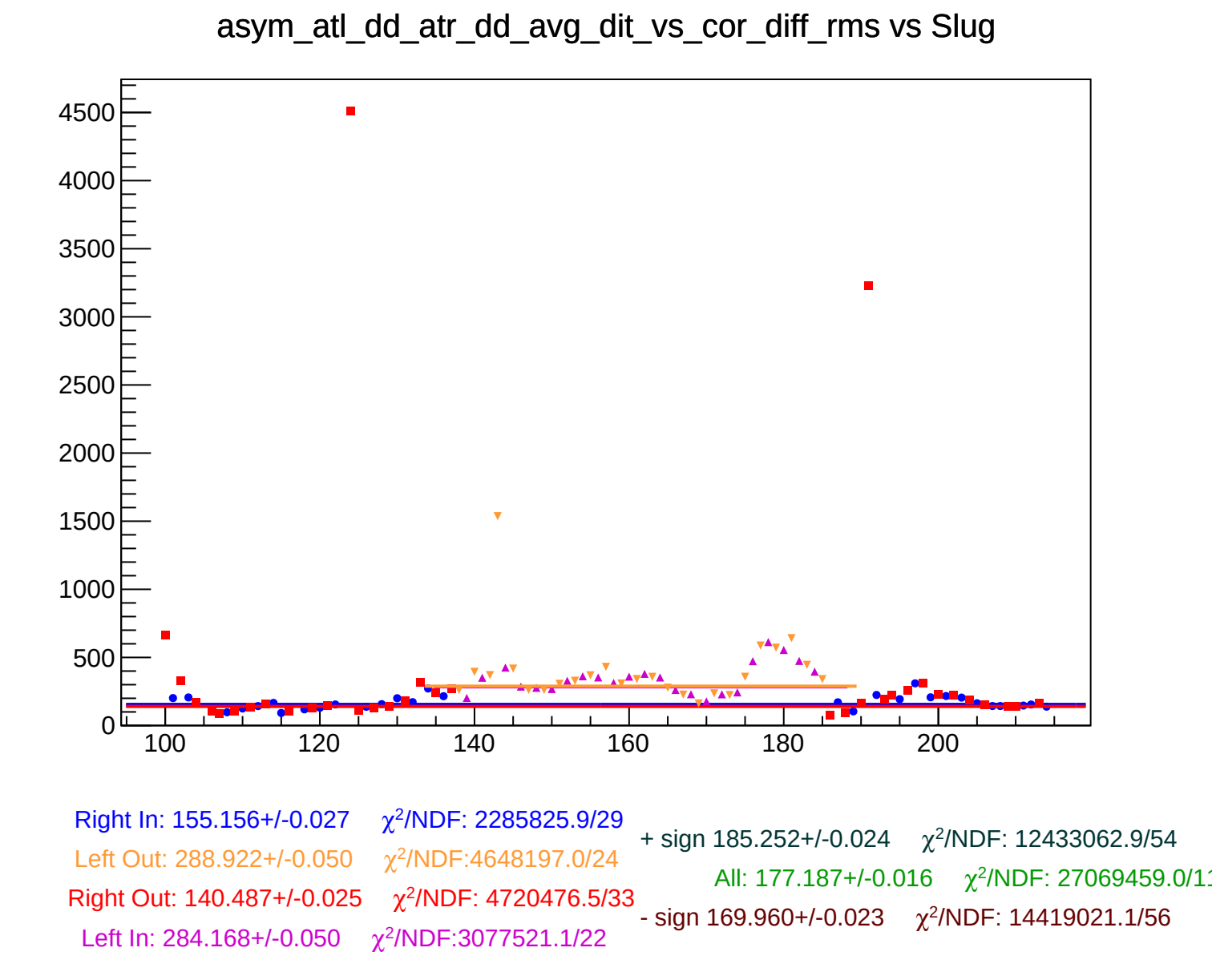
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

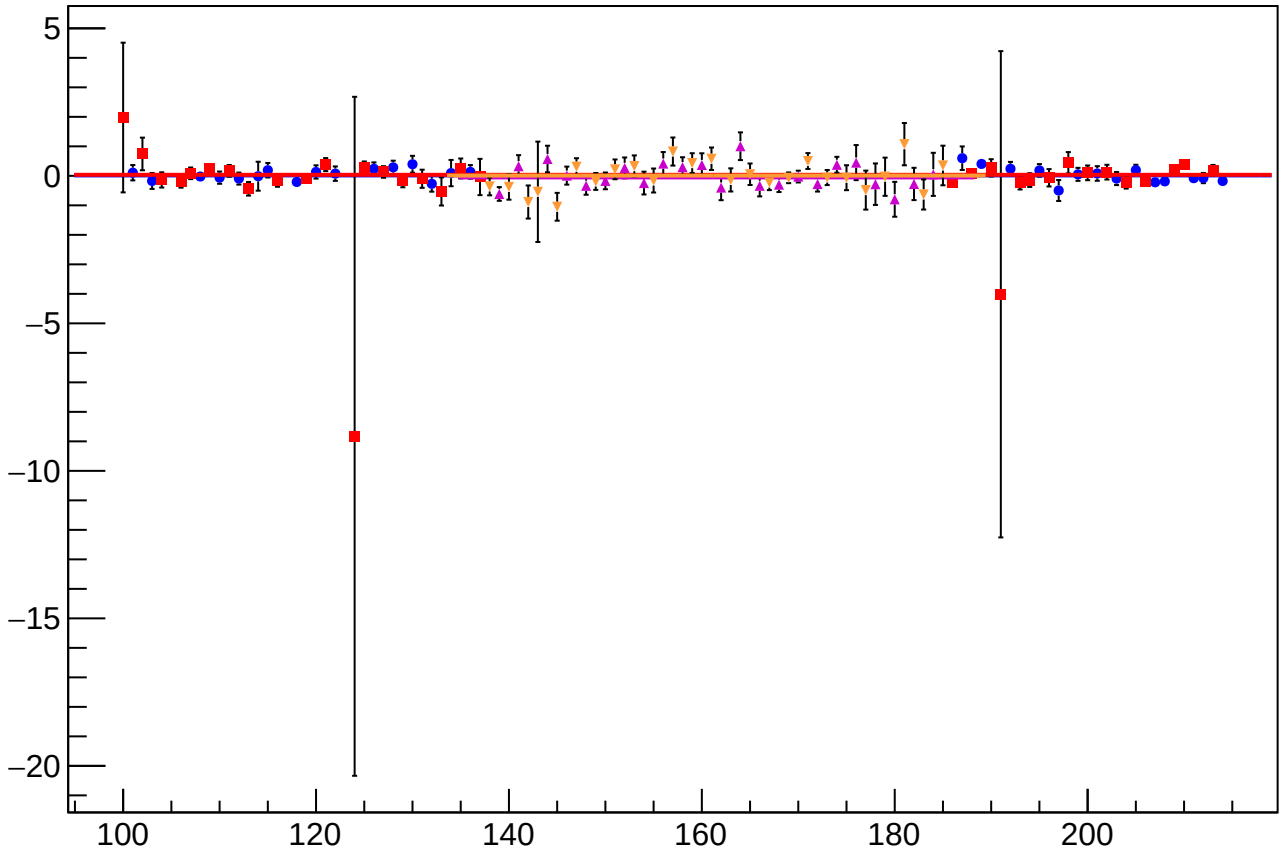
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56


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
Right In: 155.156+/-0.027 χ²/NDF: 2285825.9/29
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 140.487+/-0.025 χ²/NDF: 4720476.5/33
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 185.252+/-0.024 χ²/NDF: 12433062.9/54
All: 177.187+/-0.016 χ²/NDF: 27069459.0/11
- sign 169.960+/-0.023 χ²/NDF: 14419021.1/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

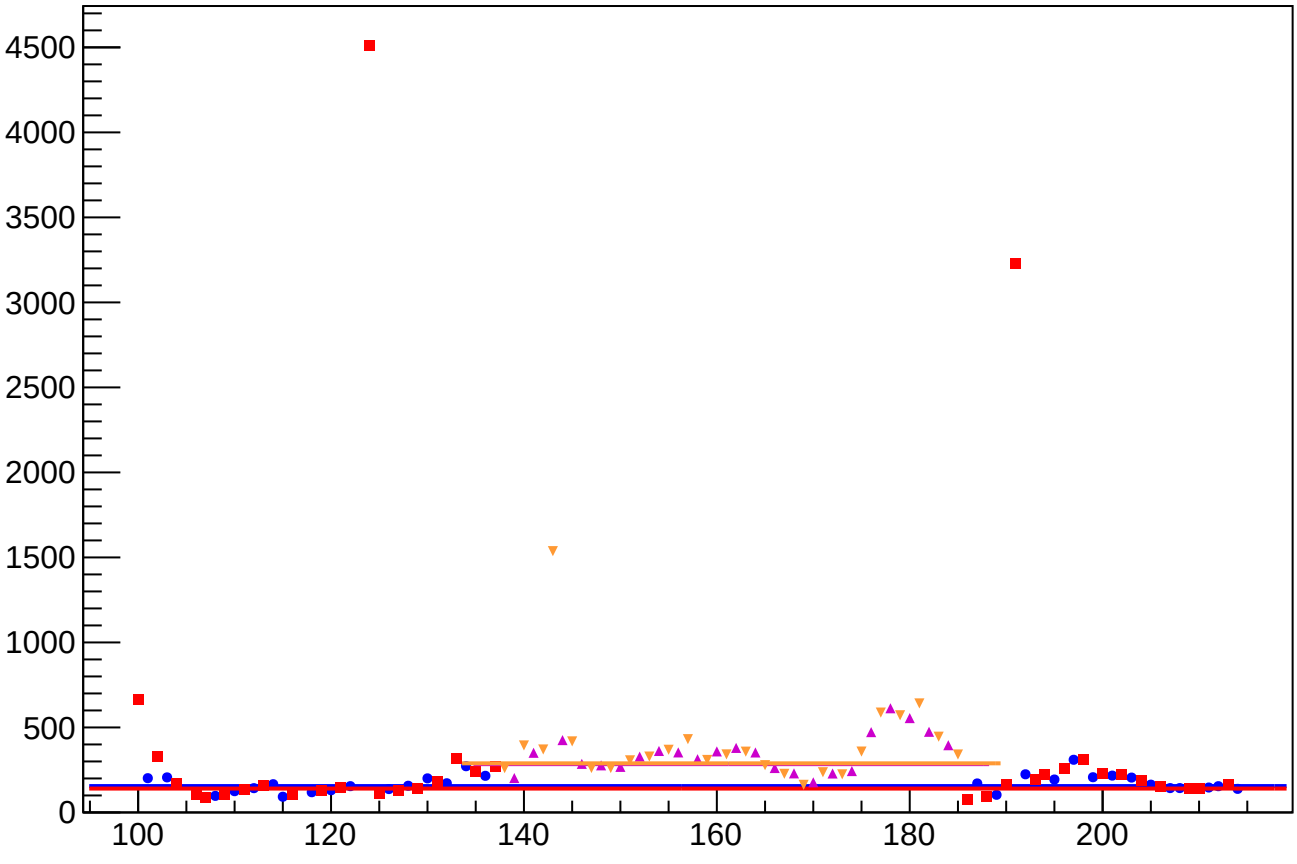
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.156+/-0.027 χ^2/NDF: 2285825.9/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

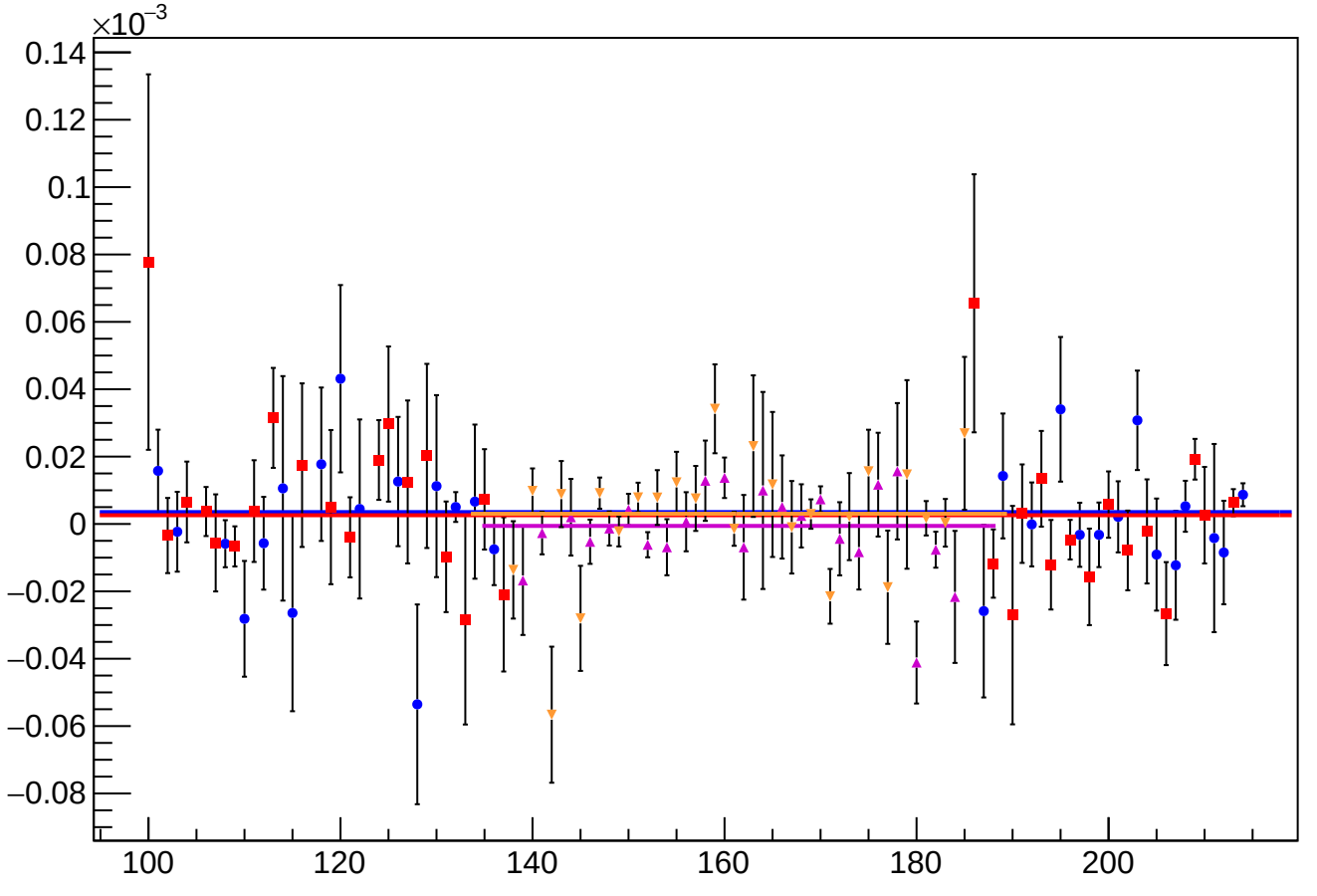
Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433062.9/54

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/11

- sign 169.960+/-0.023 χ^2/NDF: 14419021.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

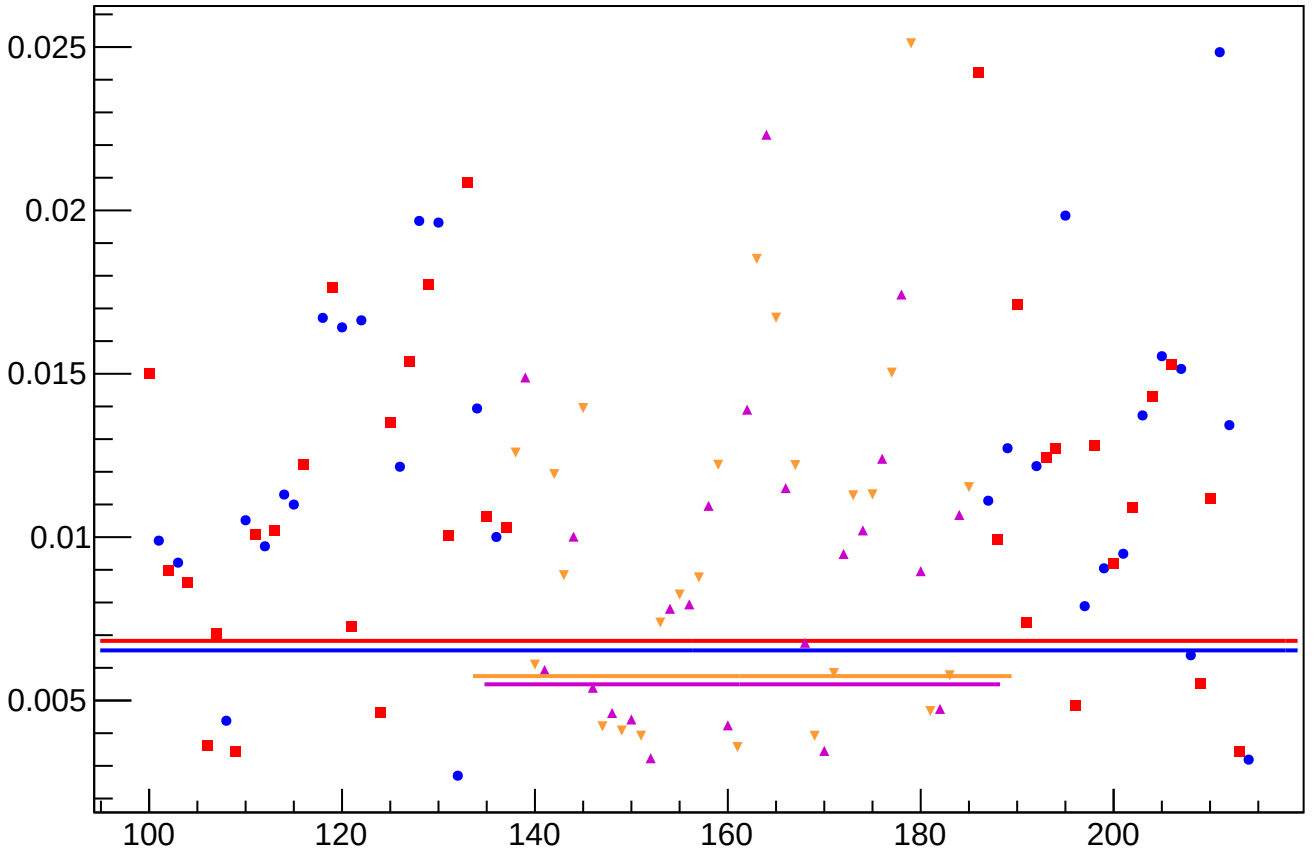
Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/54

All: 0.000+/-0.000 χ^2/NDF: 147.5/111

- sign 0.000+/-0.000 χ^2/NDF: 74.6/56



Right In: 0.007+/-0.000 χ^2/NDF: 11268614.1/29

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

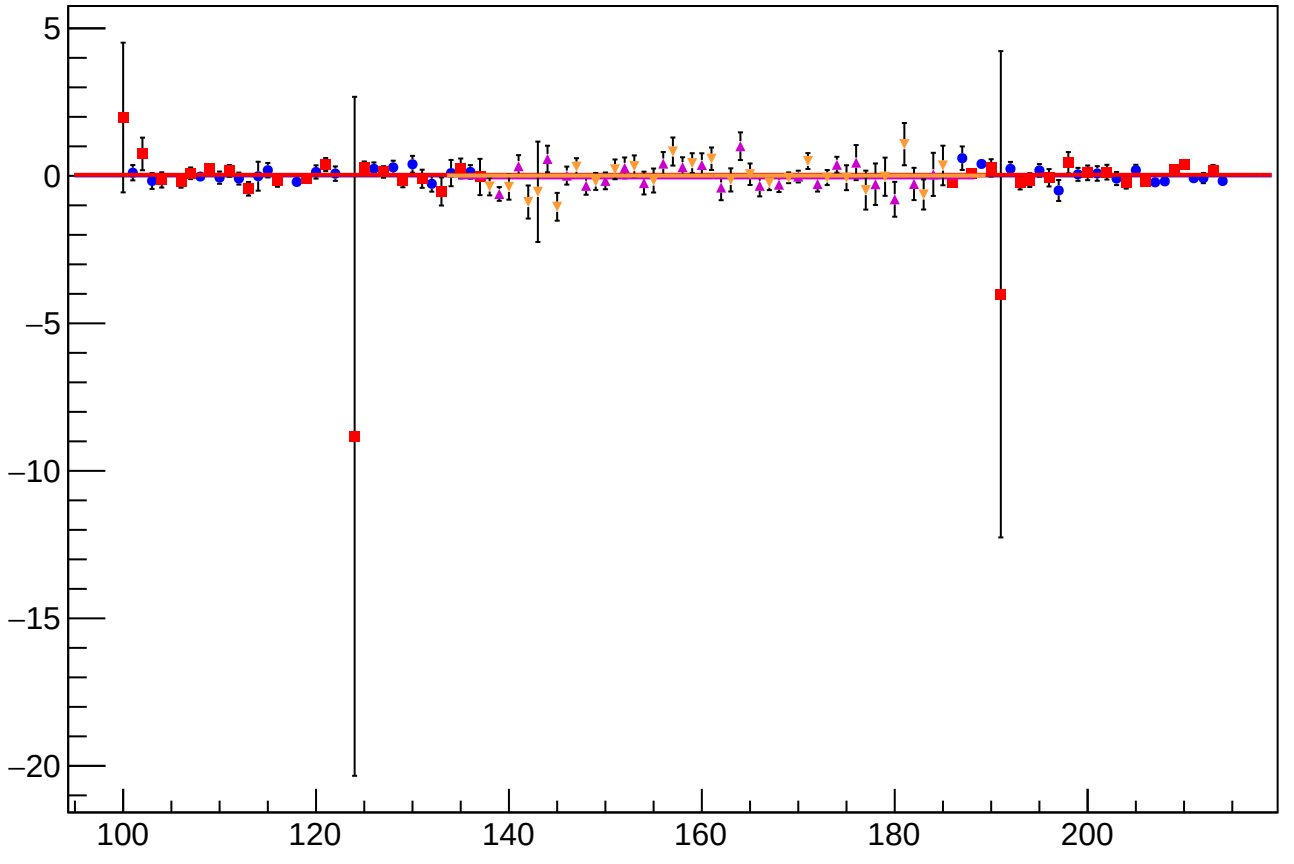
Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19608283.8/54

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

\- sign 0.006+/-0.000 χ^2/NDF: 16194748.4/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

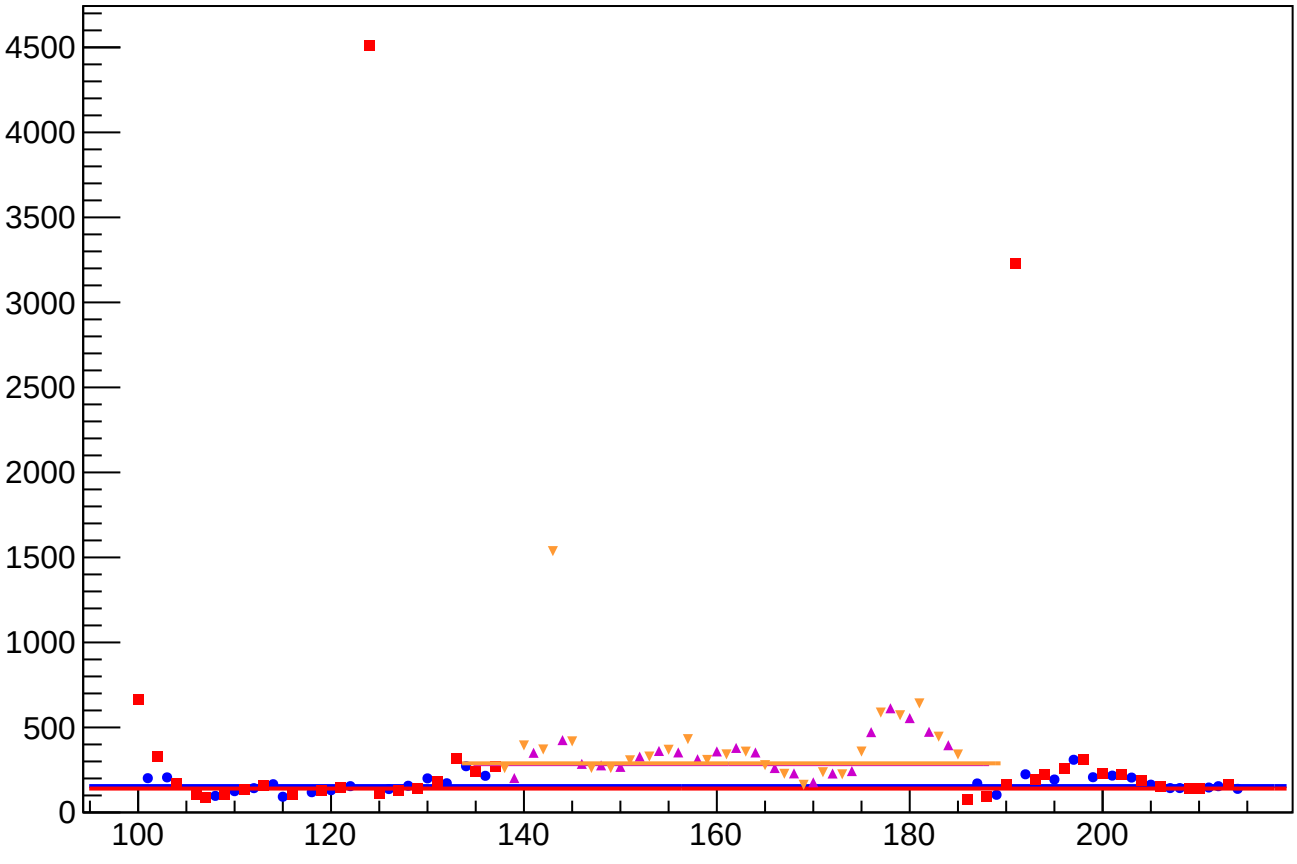
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

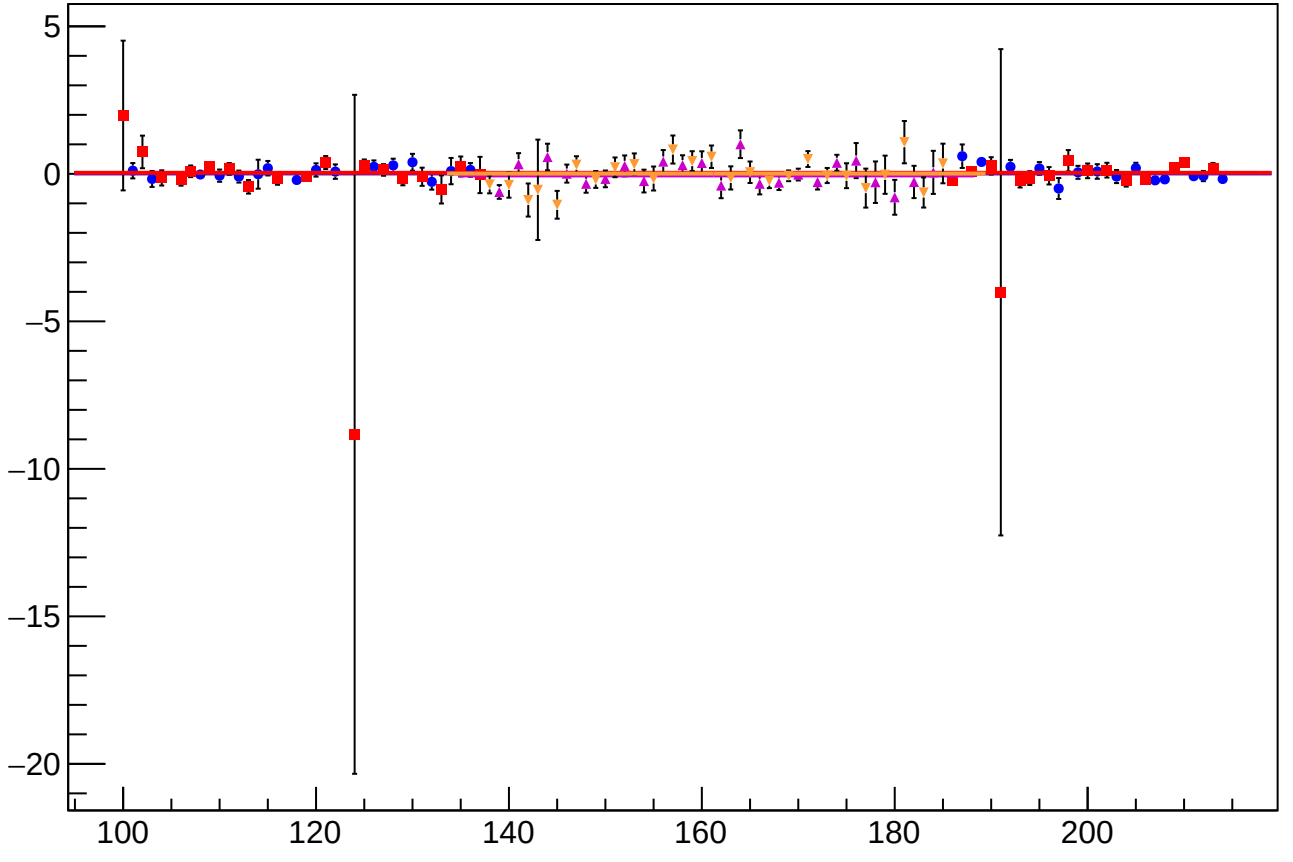
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

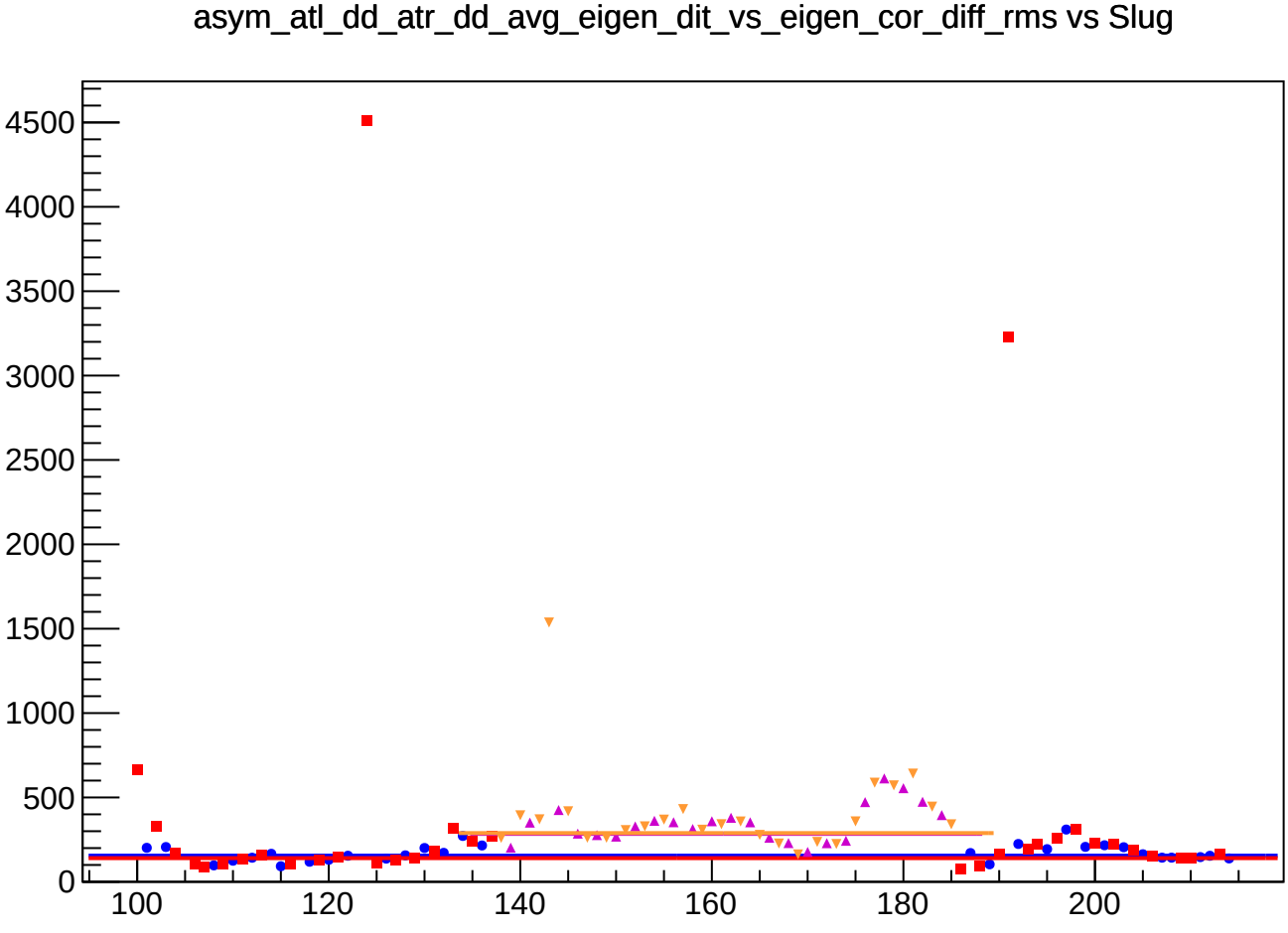
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

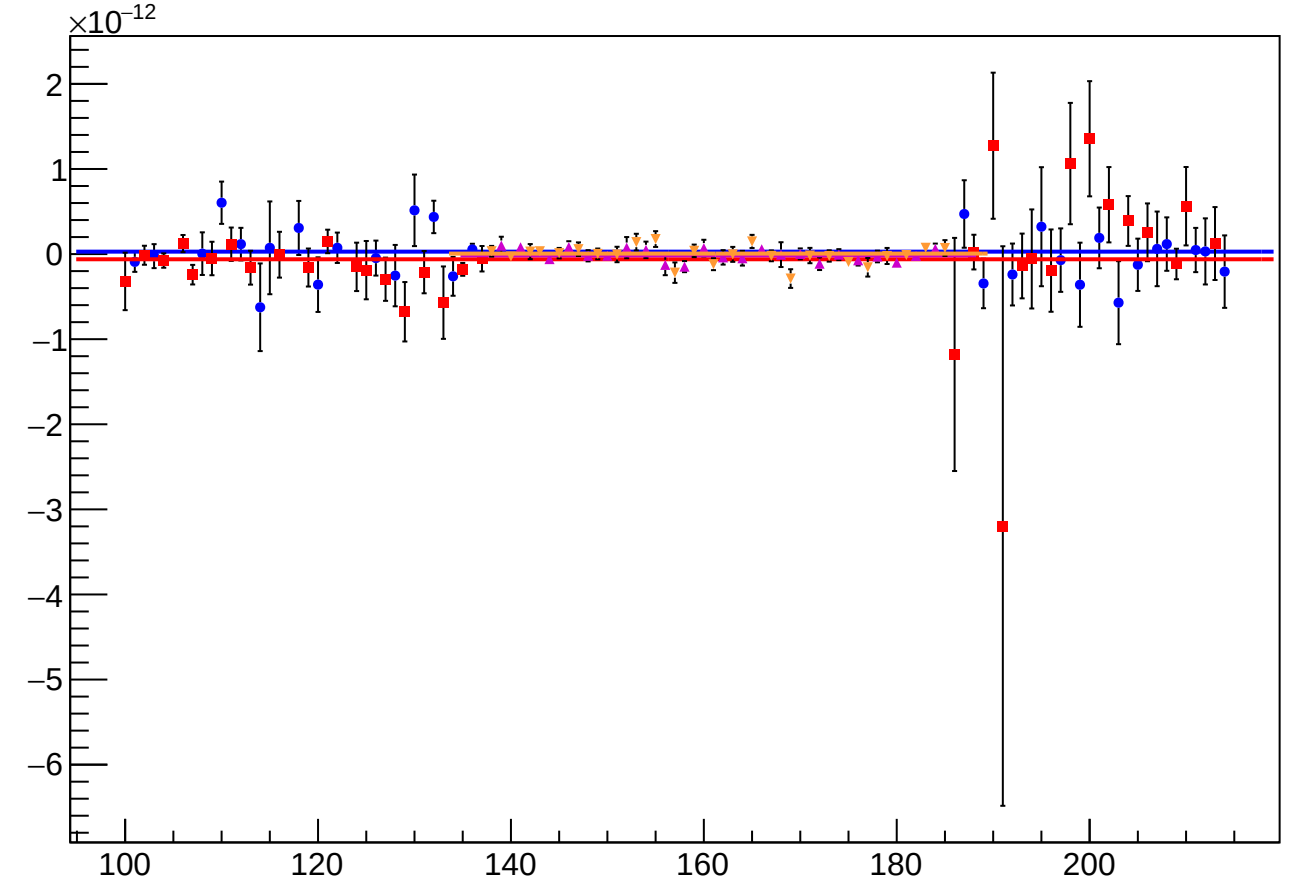
Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

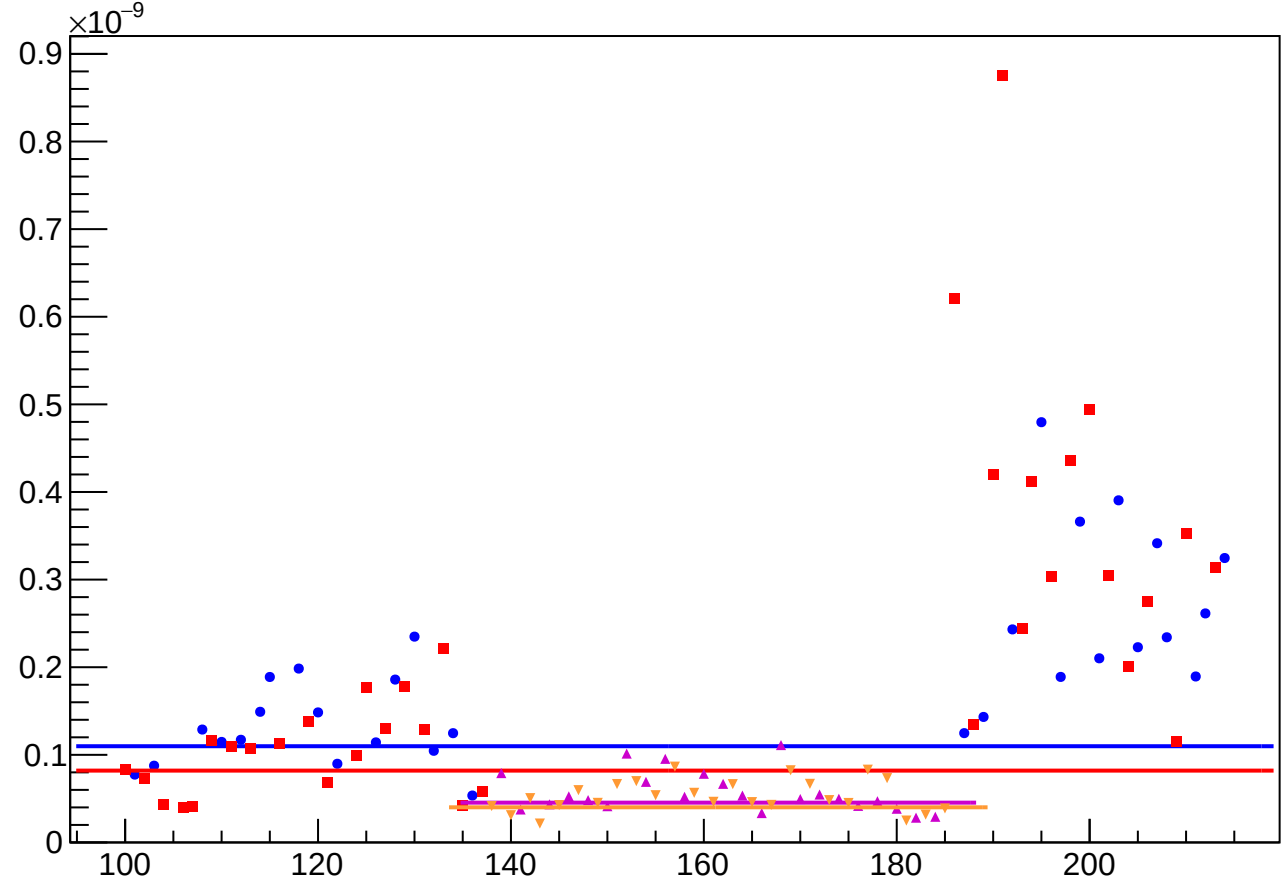
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/33

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/54

All: -0.000+/-0.000 χ^2/NDF: 125.4/111

- sign -0.000+/-0.000 χ^2/NDF: 62.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6619338.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

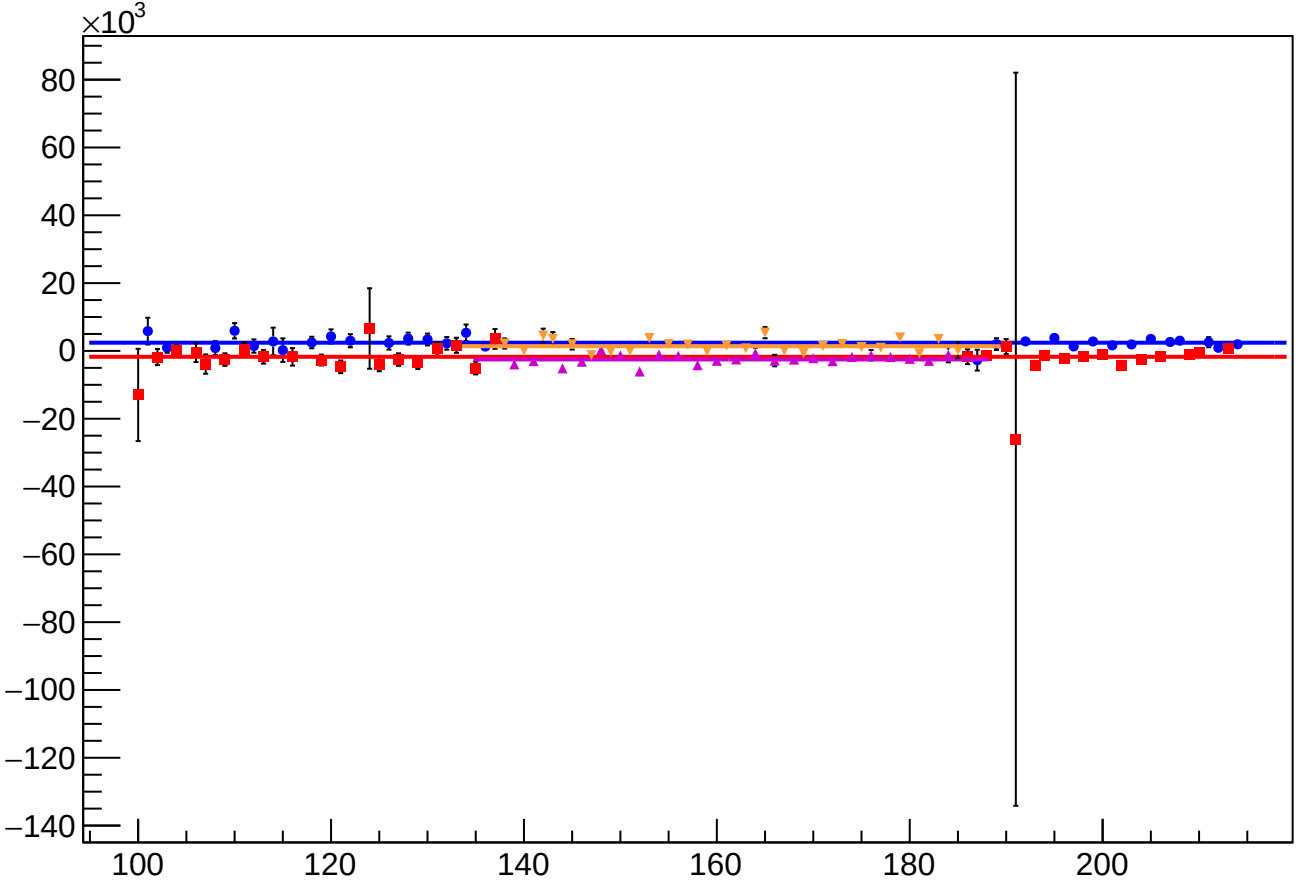
Right Out: 0.000+/-0.000 χ^2/NDF: 8993126.0/33

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15999171.9/54

All: 0.000+/-0.000 χ^2/NDF: 30108280.9/111

- sign 0.000+/-0.000 χ^2/NDF: 13962625.3/56



Right In: 2422.786+/-305.510 χ^2/NDF: 16.3/29

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1734.642+/-305.325 χ^2/NDF: 33.1/33

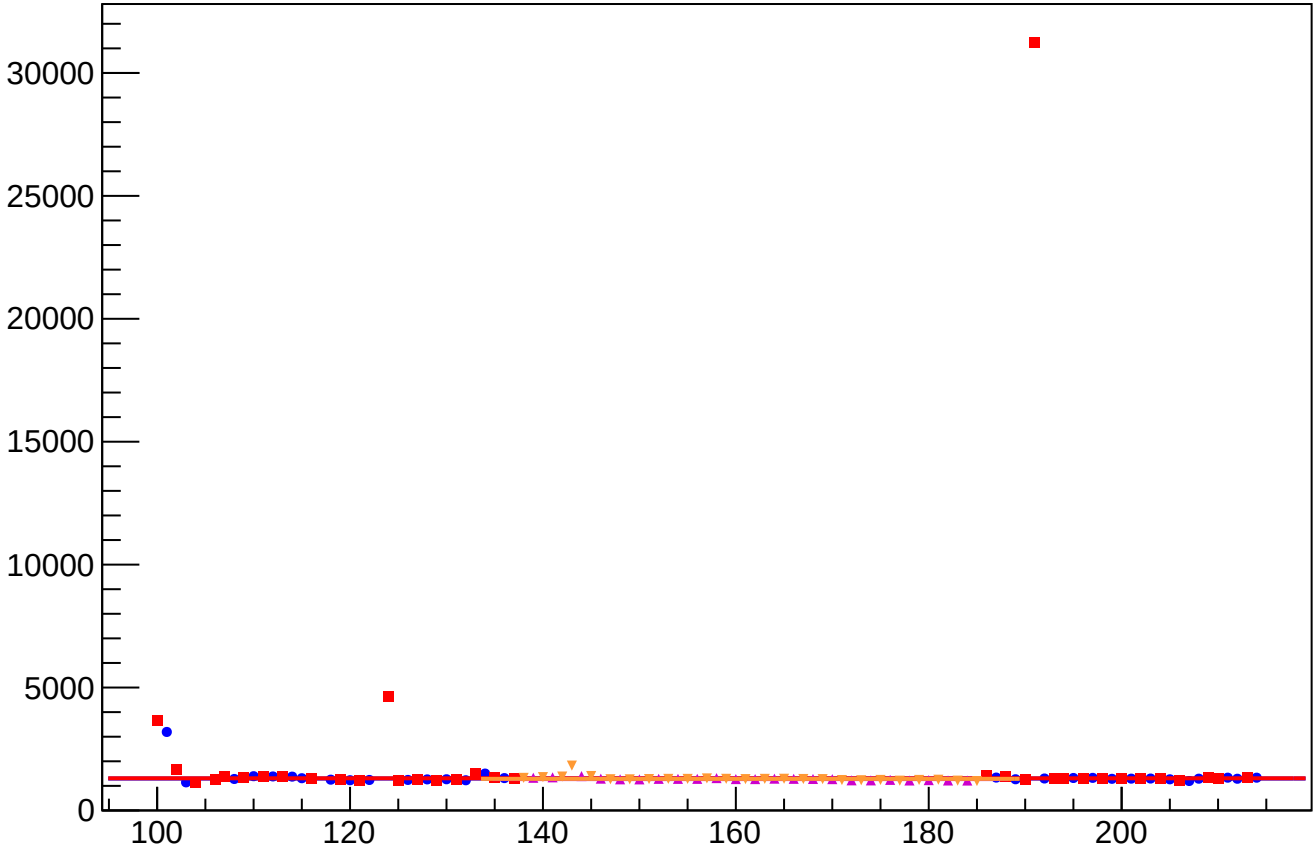
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1880.905+/-211.382 χ^2/NDF: 55.2/54

All: -109.653+/-150.142 χ^2/NDF: 293.1/111

- sign -2136.404+/-213.295 χ^2/NDF: 58.9/56

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.802+/-0.216 χ^2/NDF: 534852.5/29

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

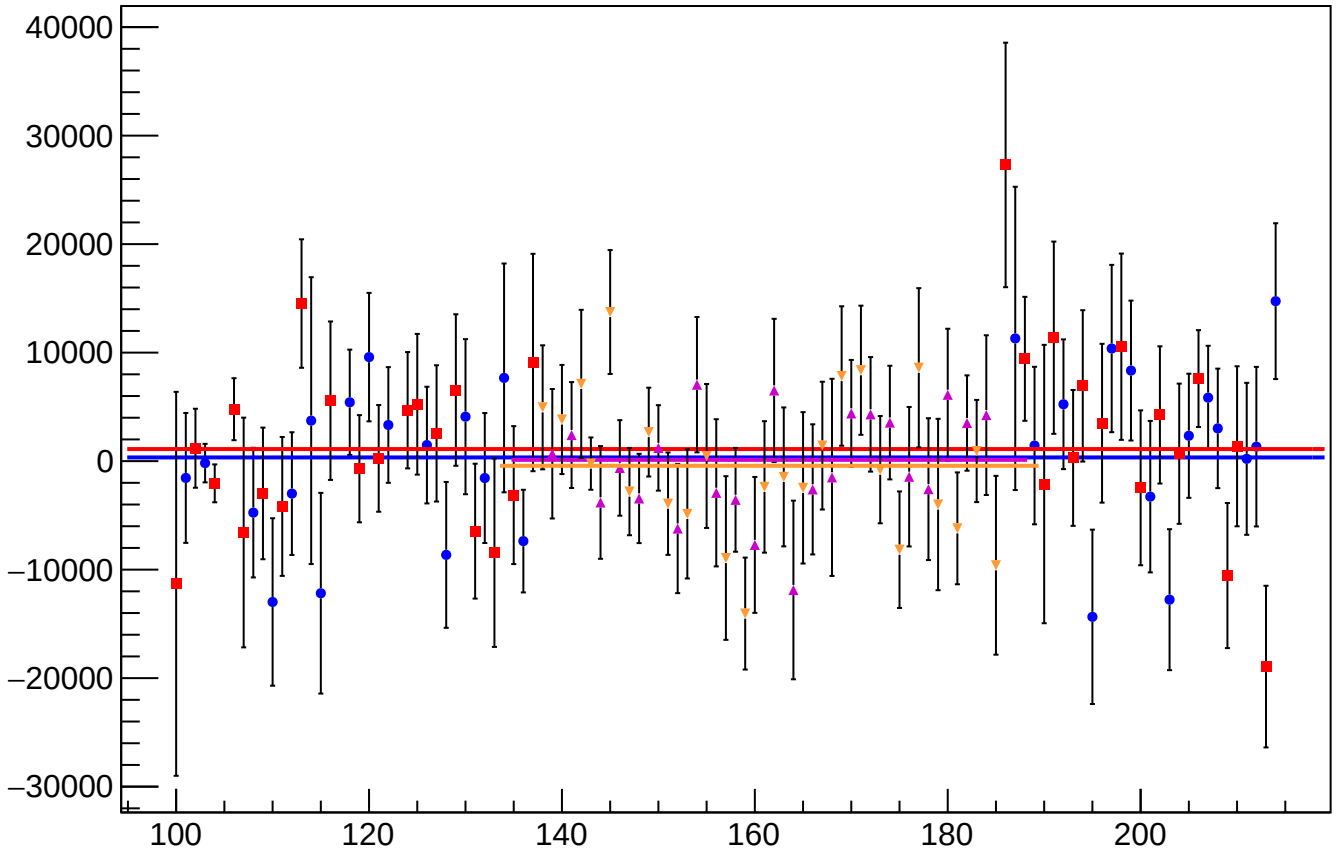
Right Out: 1308.319+/-0.216 χ^2/NDF: 506181.3/33

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.467+/-0.149 χ^2/NDF: 727529.4/54

All: 1291.612+/-0.106 χ^2/NDF: 1286638.9/11

- sign 1291.759+/-0.151 χ^2/NDF: 559107.7/56



Right In: 340.719+/-989.660 χ^2/NDF: 33.3/29

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

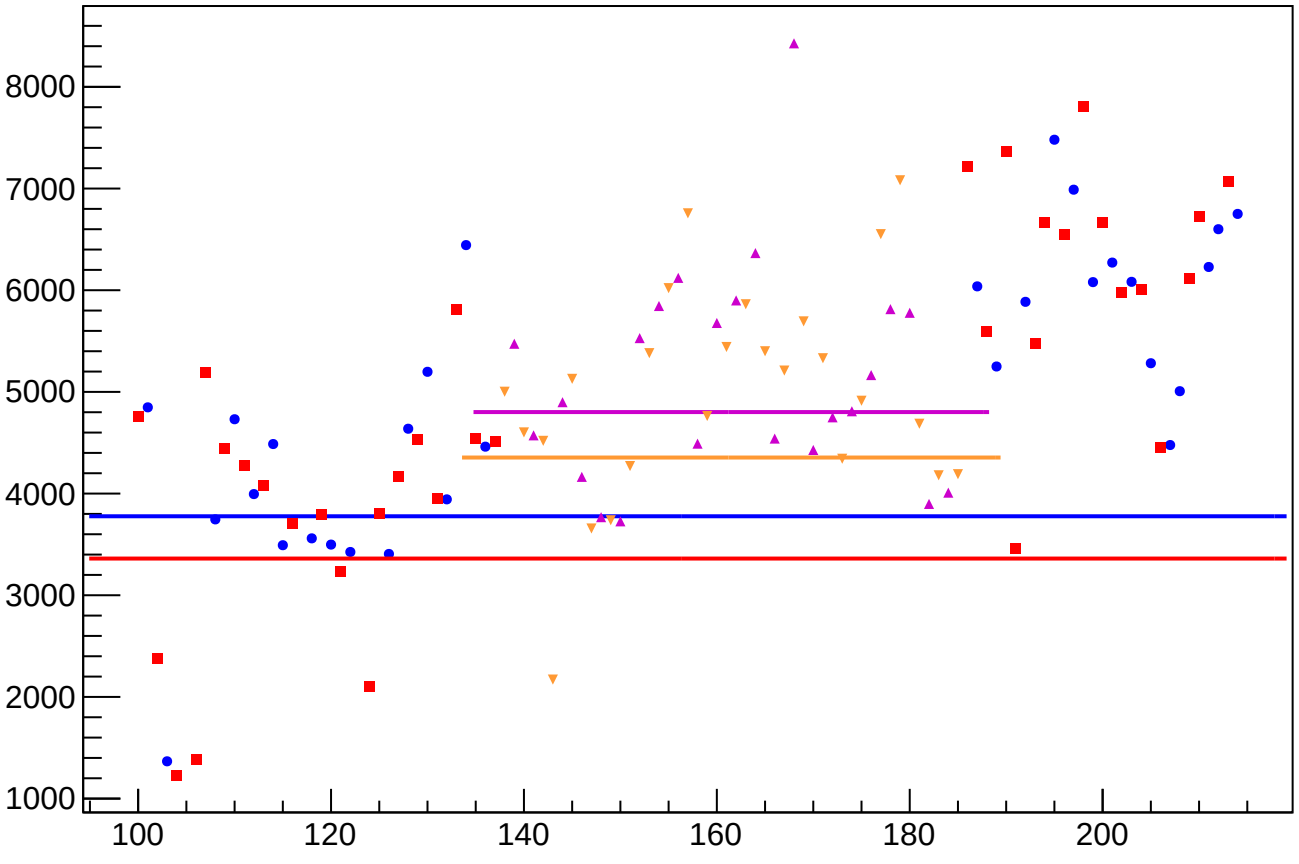
Right Out: 1112.918+/-908.757 χ^2/NDF: 41.9/33

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -25.563+/-716.288 χ^2/NDF: 63.4/54

All: 354.022+/-504.876 χ^2/NDF: 119.9/111

- sign 728.800+/-711.738 χ^2/NDF: 56.0/56



Right In: 3776.785+/-0.700 χ^2/NDF: 7183570.7/29

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

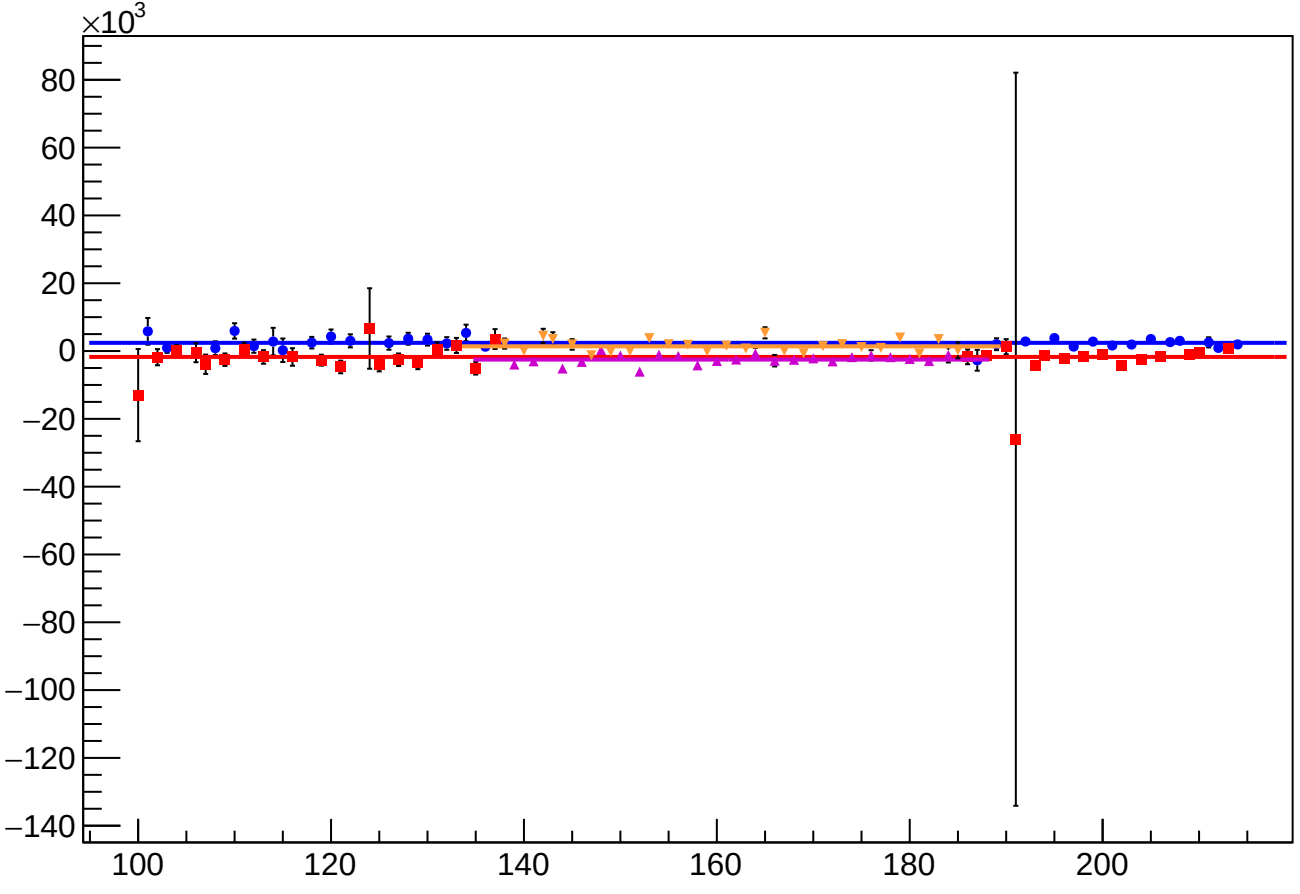
Right Out: 3360.917+/-0.643 χ^2/NDF: 9602648.6/33

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 4051.879+/-0.506 χ^2/NDF: 10579550.8/54

All: 3984.449+/-0.357 χ^2/NDF: 23392498.3/1

- sign 3917.872+/-0.503 χ^2/NDF: 12777723.4/56



Right In: 2422.709+/-305.510 χ^2/NDF: 16.2/29

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1734.570+/-305.325 χ^2/NDF: 33.1/33

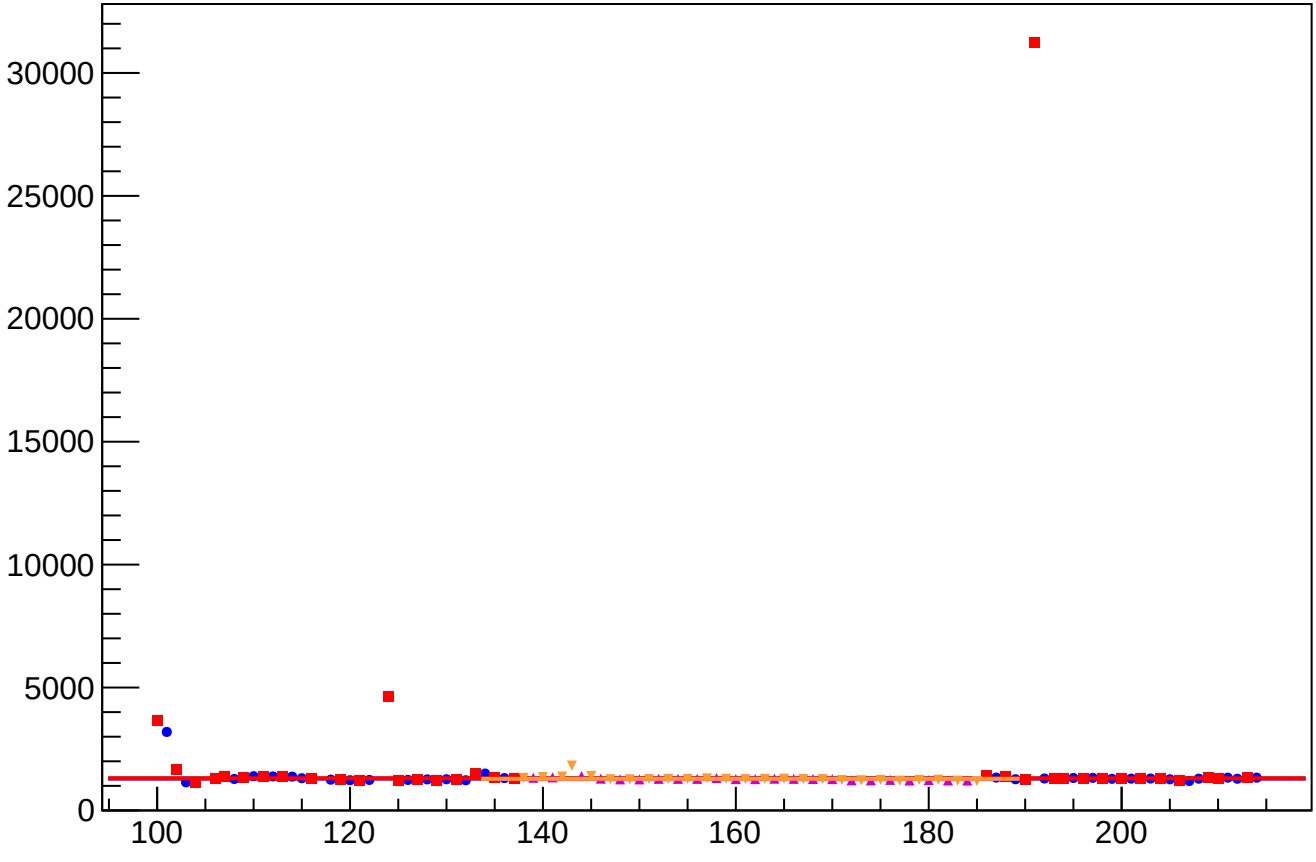
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1880.835+/-211.382 χ^2/NDF: 55.2/54

All: -109.672+/-150.142 χ^2/NDF: 293.1/111

- sign -2136.370+/-213.295 χ^2/NDF: 58.9/56

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.802+/-0.216 χ^2/NDF: 534853.9/29

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

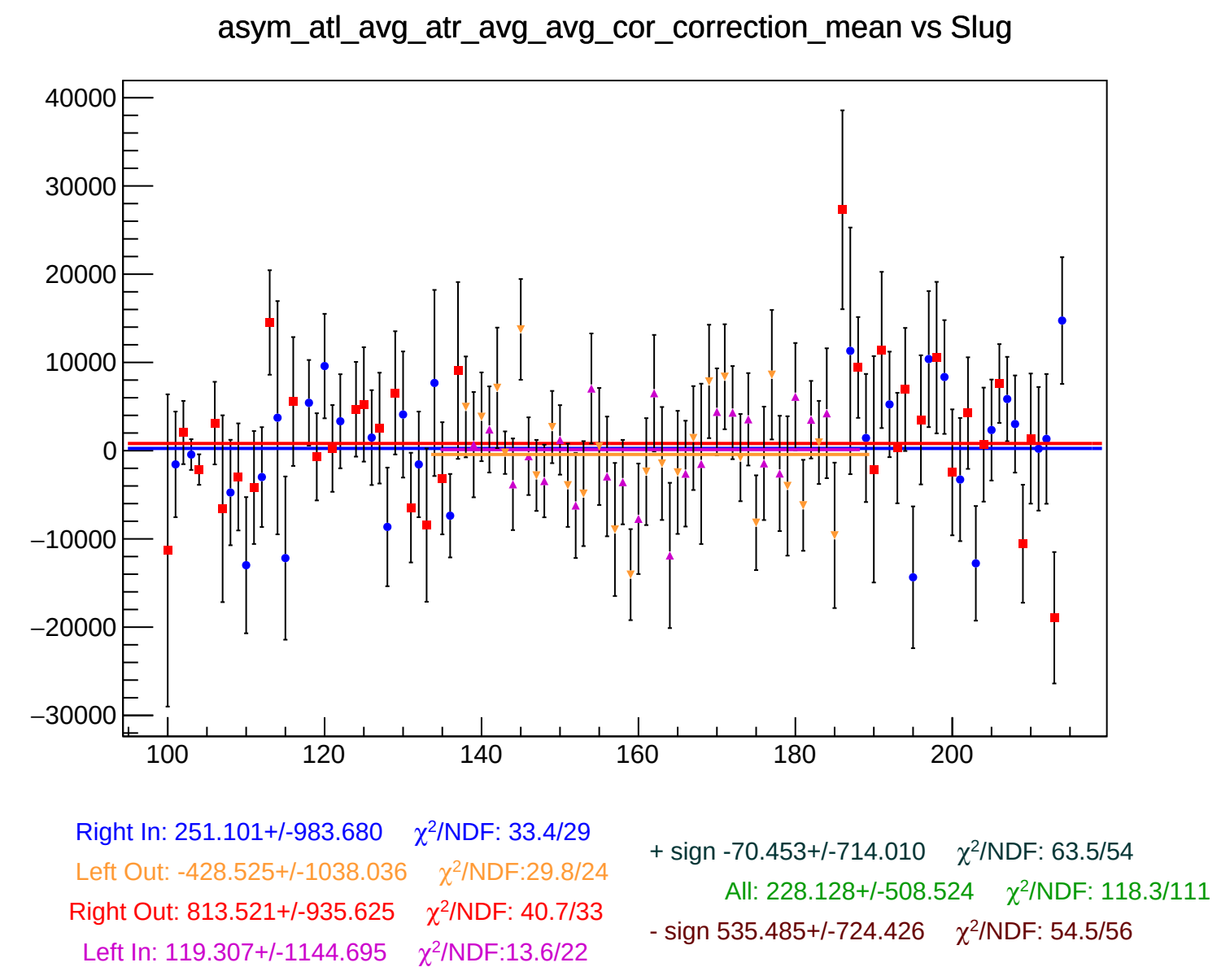
Right Out: 1308.746+/-0.216 χ^2/NDF: 505836.1/33

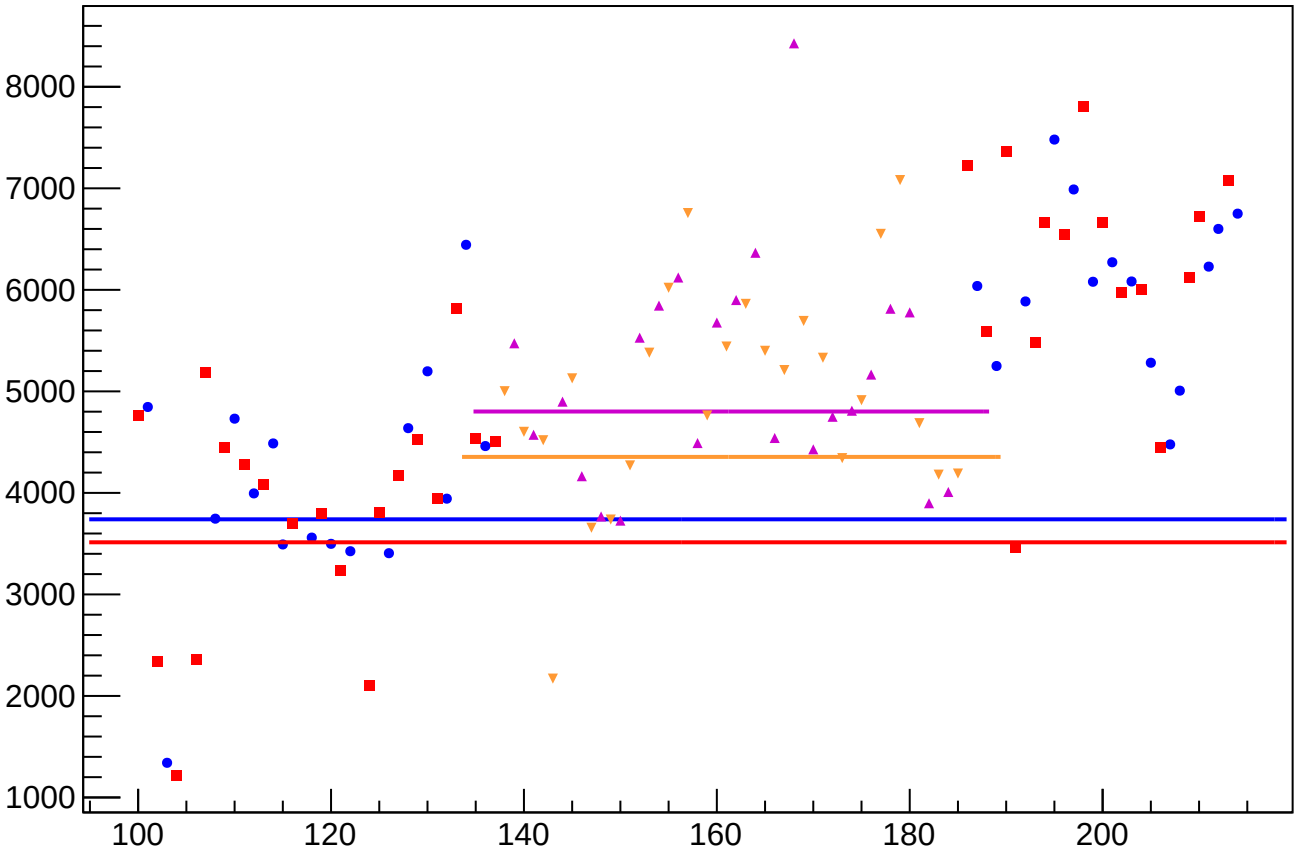
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.467+/-0.149 χ^2/NDF: 727530.8/54

All: 1291.712+/-0.106 χ^2/NDF: 1286600.8/11

- sign 1291.962+/-0.151 χ^2/NDF: 559064.5/56


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 251.101+/-983.680 χ²/NDF: 33.4/29
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 813.521+/-935.625 χ²/NDF: 40.7/33
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -70.453+/-714.010 χ²/NDF: 63.5/54
All: 228.128+/-508.524 χ²/NDF: 118.3/111
- sign 535.485+/-724.426 χ²/NDF: 54.5/56



Right In: 3739.706+/-0.696 χ^2/NDF: 7405690.4/29

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

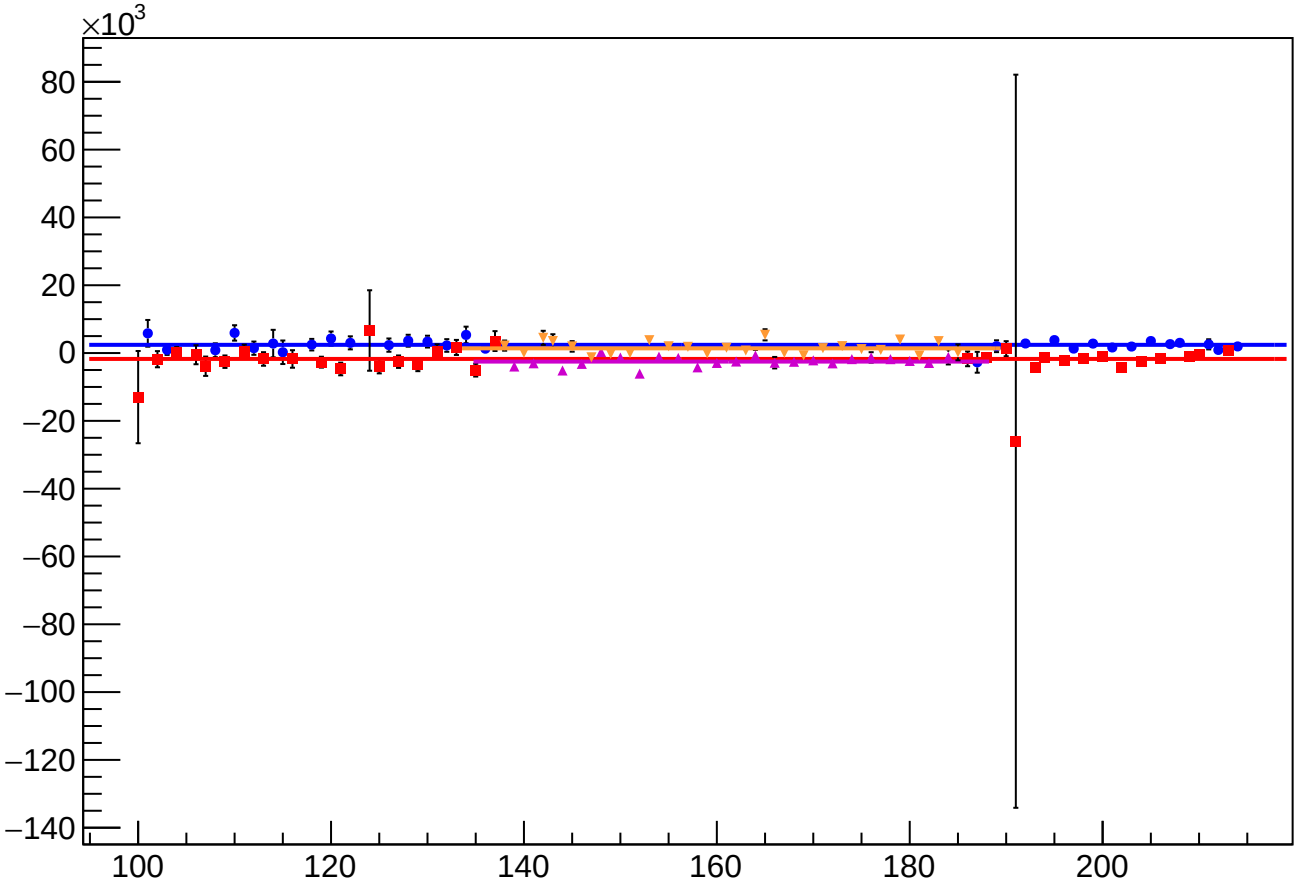
Right Out: 3513.341+/-0.662 χ^2/NDF: 8790765.0/33

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4030.591+/-0.505 χ^2/NDF: 10846860.8/54

All: 4029.947+/-0.360 χ^2/NDF: 22388048.5/1

- sign 4029.284+/-0.512 χ^2/NDF: 11541184.3/56



Right In: 2422.709+/-305.510 χ^2/NDF: 16.2/29

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1734.570+/-305.325 χ^2/NDF: 33.1/33

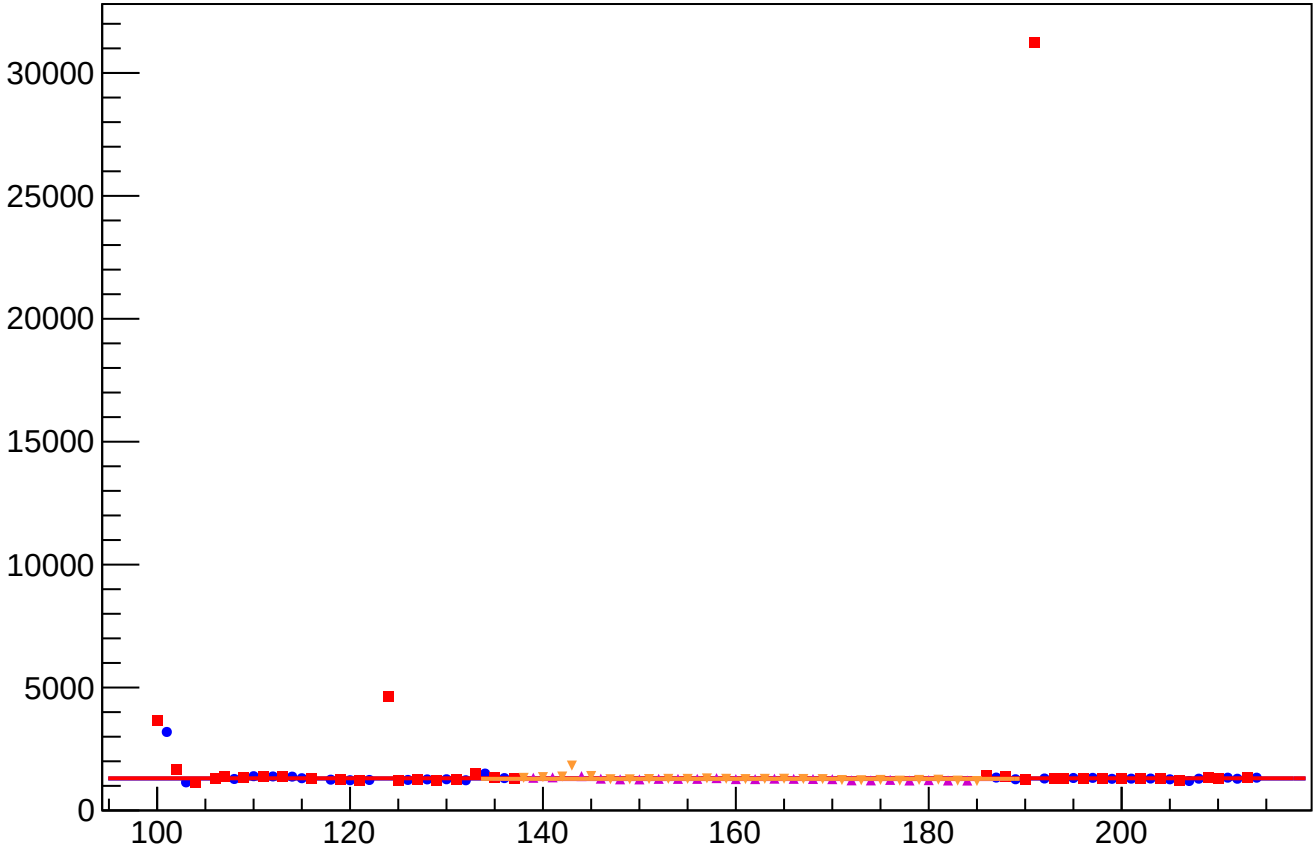
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1880.835+/-211.382 χ^2/NDF: 55.2/54

All: -109.672+/-150.142 χ^2/NDF: 293.1/111

- sign -2136.370+/-213.295 χ^2/NDF: 58.9/56

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1297.802+/-0.216 χ^2/NDF: 534853.9/29

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

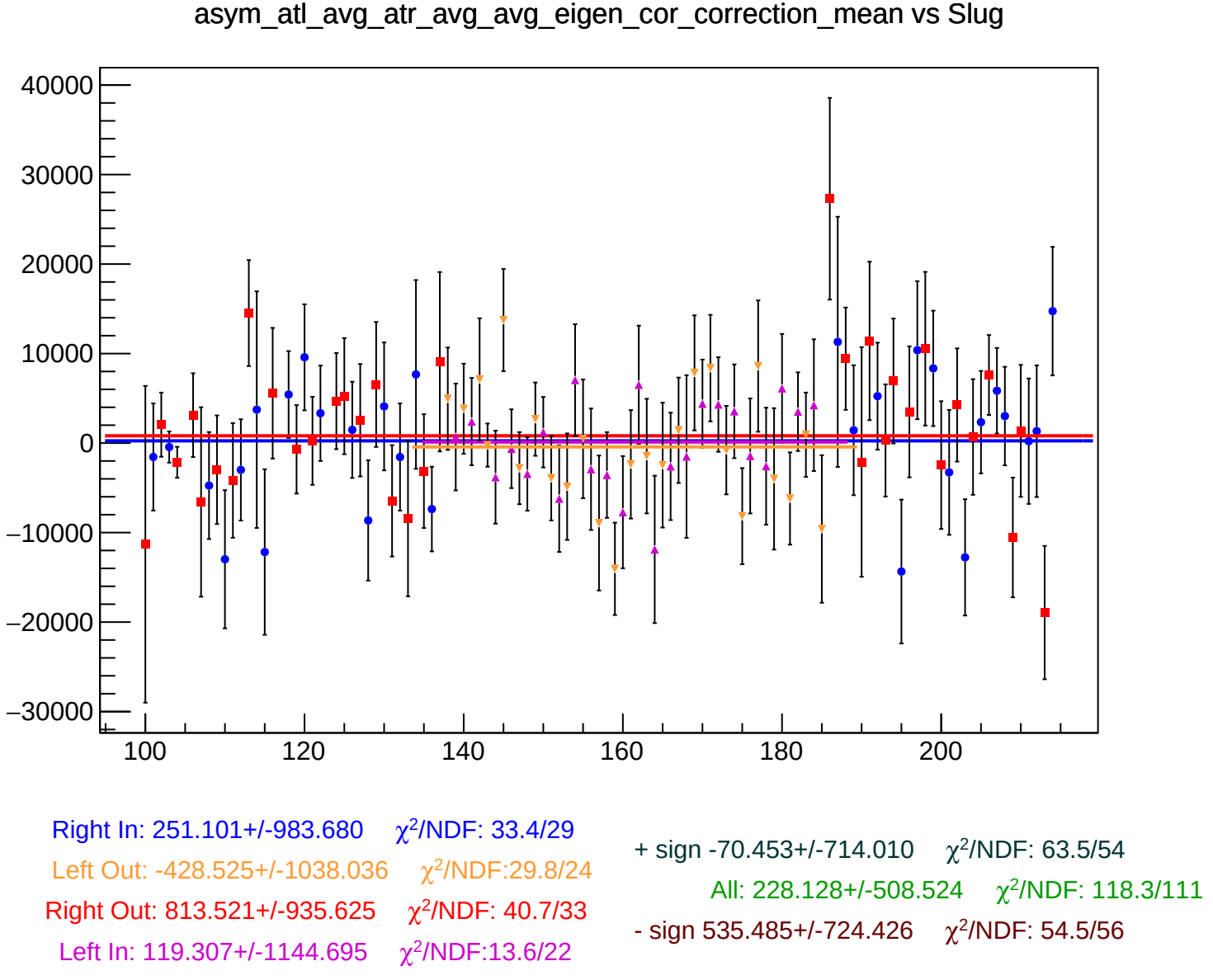
Right Out: 1308.746+/-0.216 χ^2/NDF: 505836.1/33

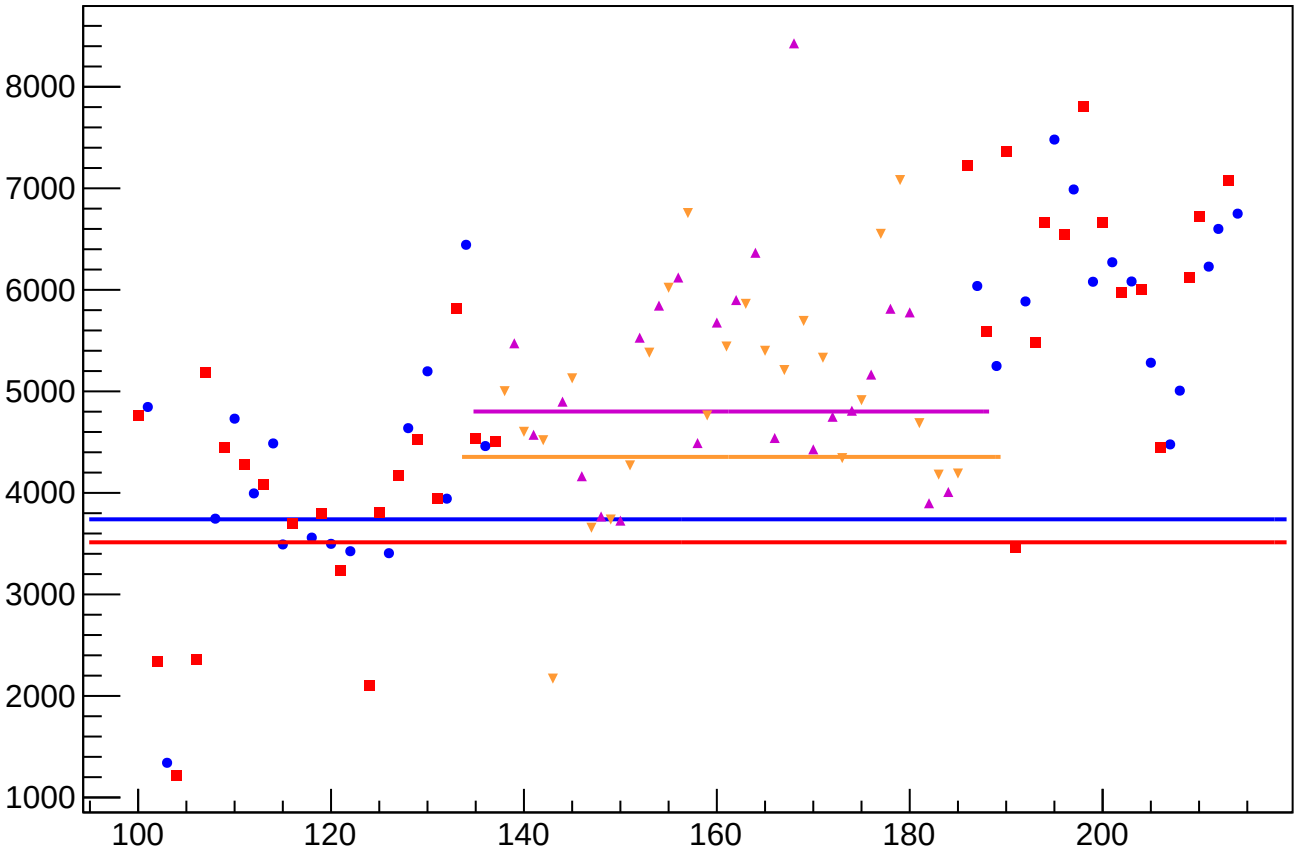
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1291.467+/-0.149 χ^2/NDF: 727530.8/54

All: 1291.712+/-0.106 χ^2/NDF: 1286600.8/11

- sign 1291.962+/-0.151 χ^2/NDF: 559064.5/56


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 251.101+/-983.680 χ²/NDF: 33.4/29
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 813.521+/-935.625 χ²/NDF: 40.7/33
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -70.453+/-714.010 χ²/NDF: 63.5/54
All: 228.128+/-508.524 χ²/NDF: 118.3/111
- sign 535.485+/-724.426 χ²/NDF: 54.5/56



Right In: 3739.706+/-0.696 χ^2/NDF: 7405690.4/29

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3513.341+/-0.662 χ^2/NDF: 8790765.0/33

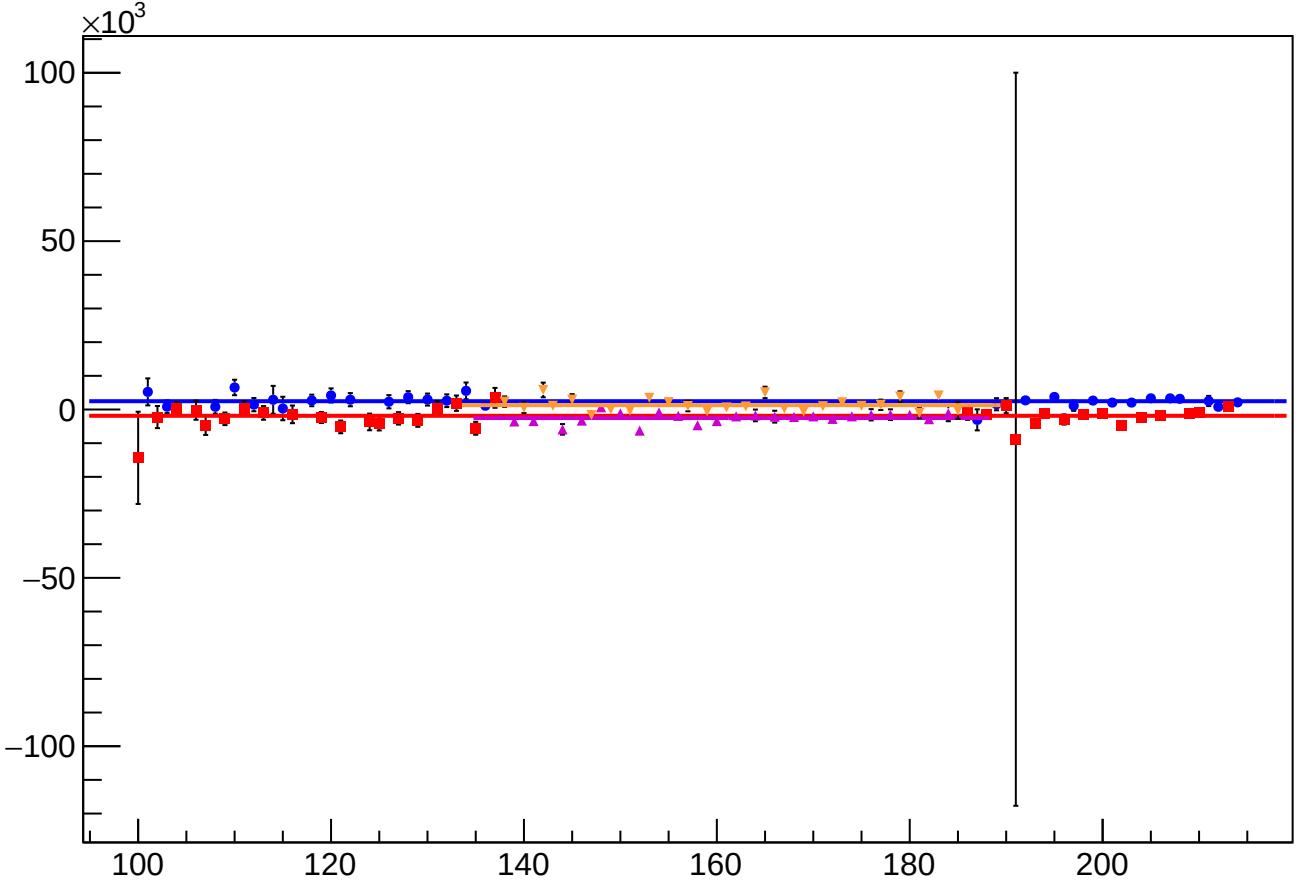
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4030.591+/-0.505 χ^2/NDF: 10846860.8/54

All: 4029.947+/-0.360 χ^2/NDF: 22388048.5/1

- sign 4029.284+/-0.512 χ^2/NDF: 11541184.3/56

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2465.483+/-313.226 χ^2/NDF: 17.0/29

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1868.938+/-311.770 χ^2/NDF: 34.7/33

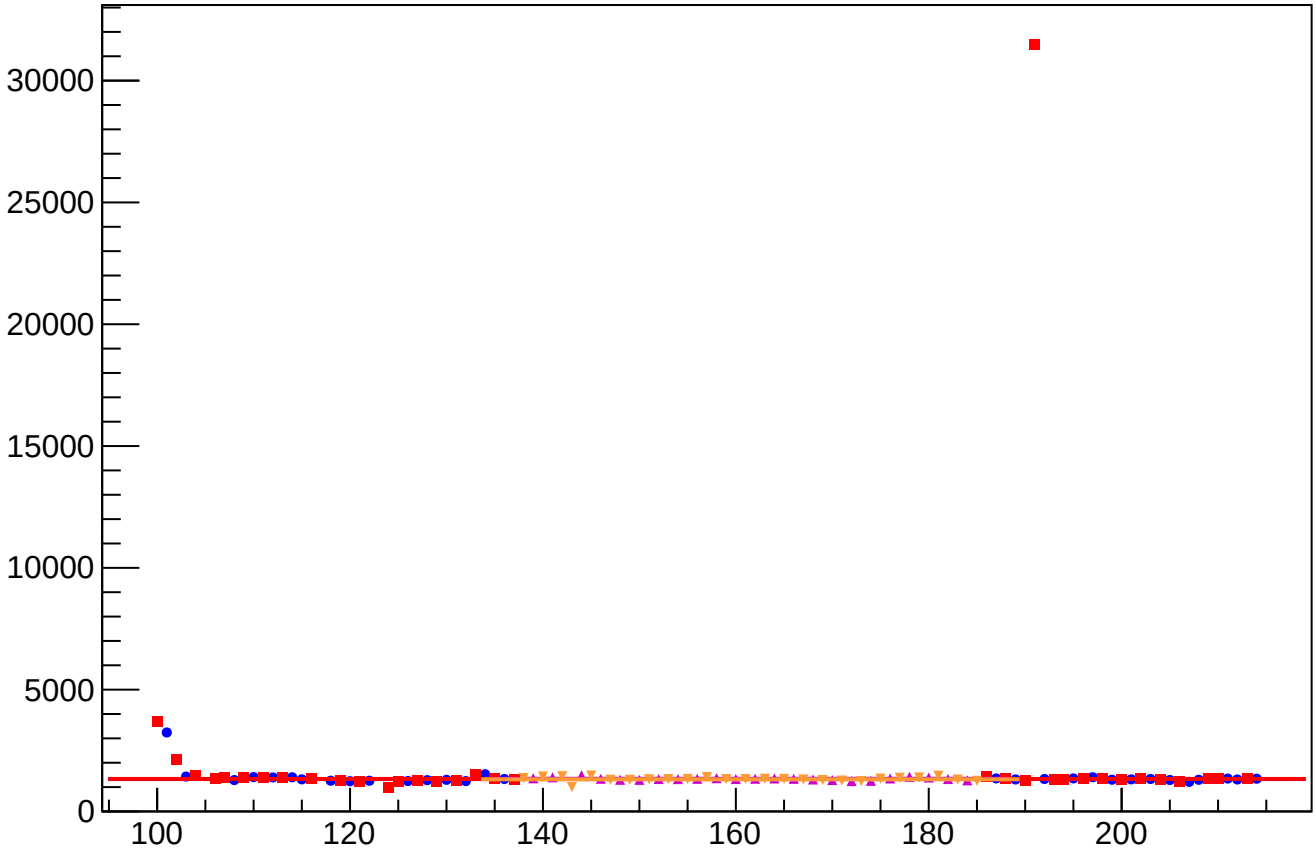
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1850.531+/-216.856 χ^2/NDF: 57.8/54

All: -137.390+/-154.733 χ^2/NDF: 291.0/111

- sign -2199.180+/-220.848 χ^2/NDF: 62.0/56

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.405+/-0.221 χ^2/NDF: 523019.5/29

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

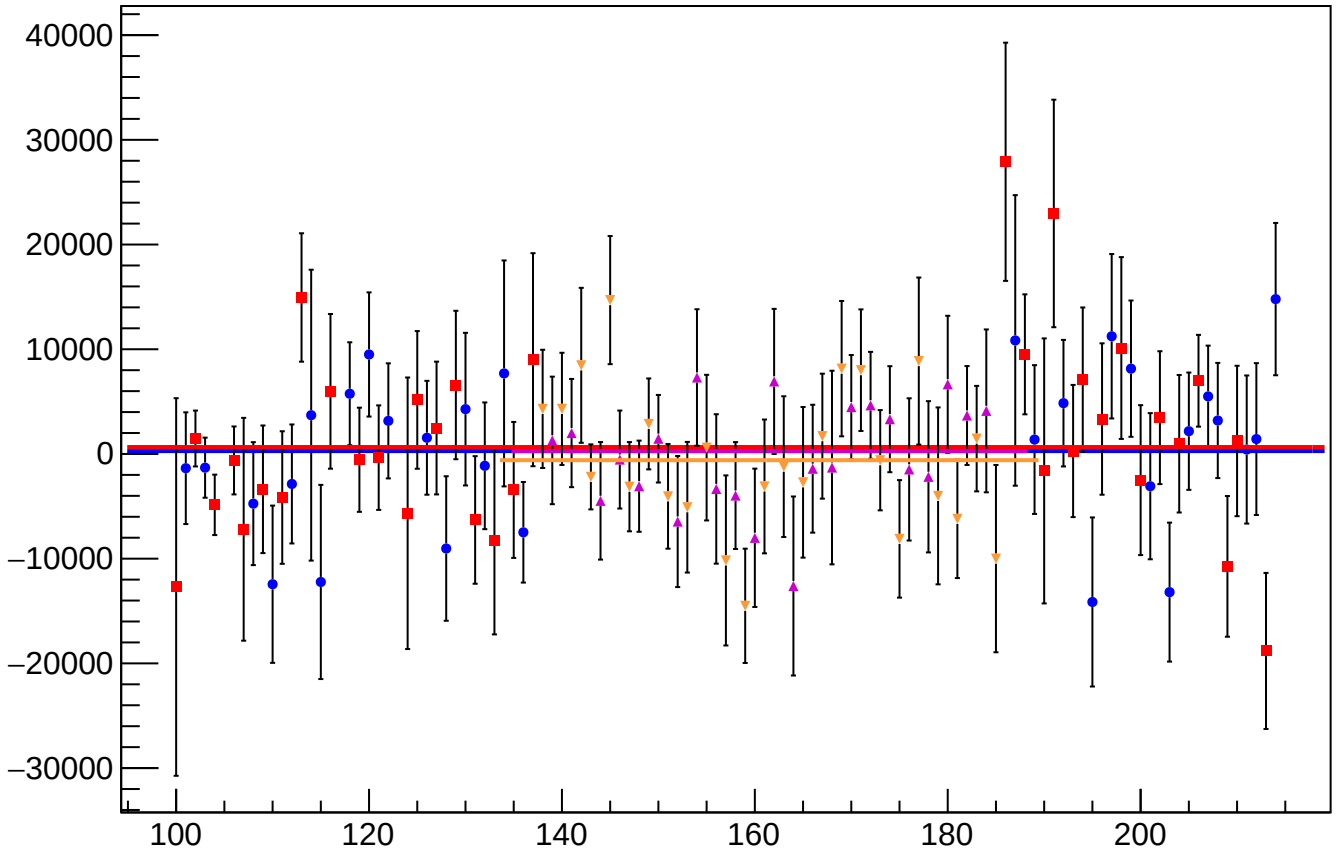
Right Out: 1334.559+/-0.220 χ^2/NDF: 447785.2/33

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1324.037+/-0.153 χ^2/NDF: 773154.8/54

All: 1330.191+/-0.109 χ^2/NDF: 1278637.5/11

- sign 1336.573+/-0.156 χ^2/NDF: 502201.3/56



Right In: 273.444+/-1102.189 χ^2/NDF: 33.1/29

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

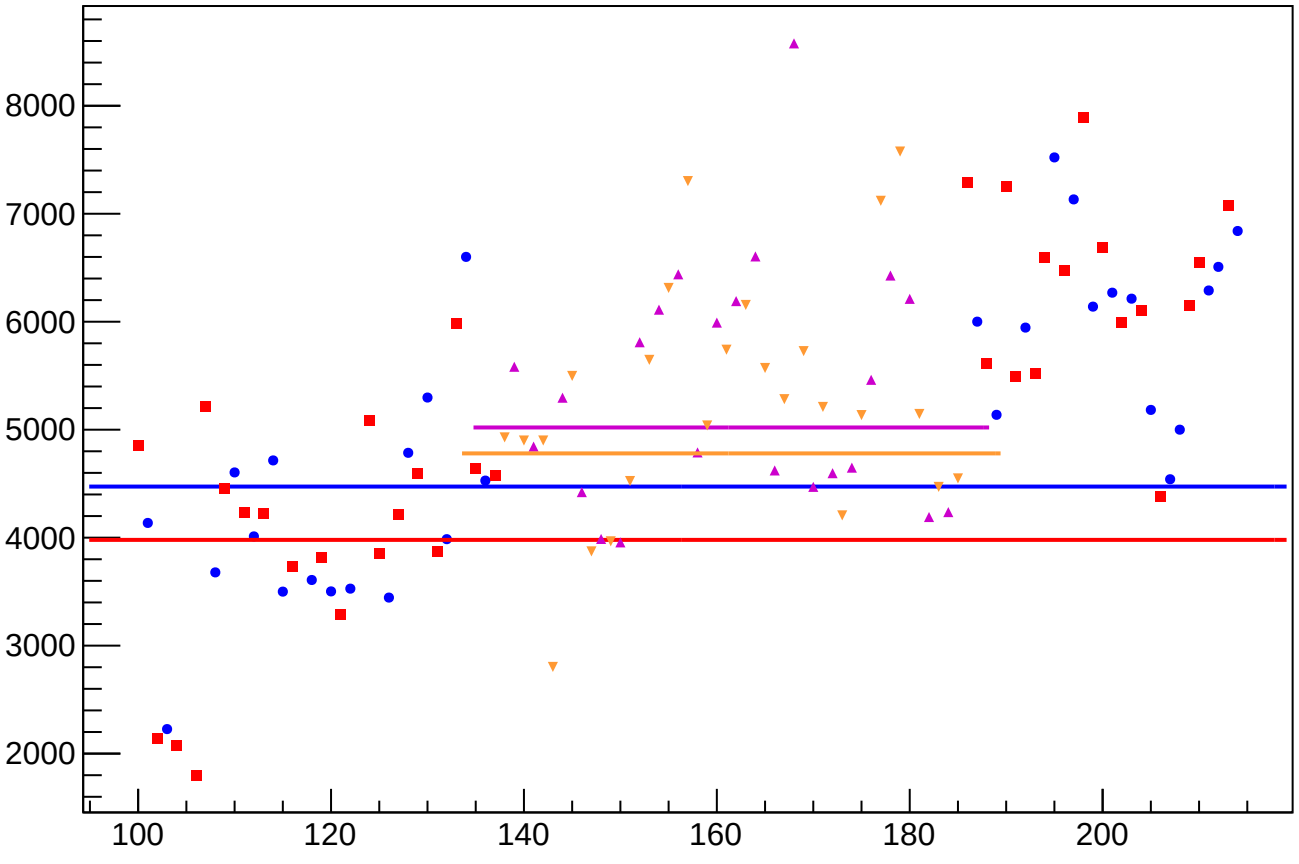
Right Out: 661.767+/-998.959 χ^2/NDF: 43.7/33

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -152.891+/-786.375 χ^2/NDF: 63.0/54

All: 182.809+/-549.040 χ^2/NDF: 120.5/111

- sign 502.096+/-766.910 χ^2/NDF: 57.2/56



Right In: 4473.196+/-0.779 χ^2/NDF: 3301817.8/29

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

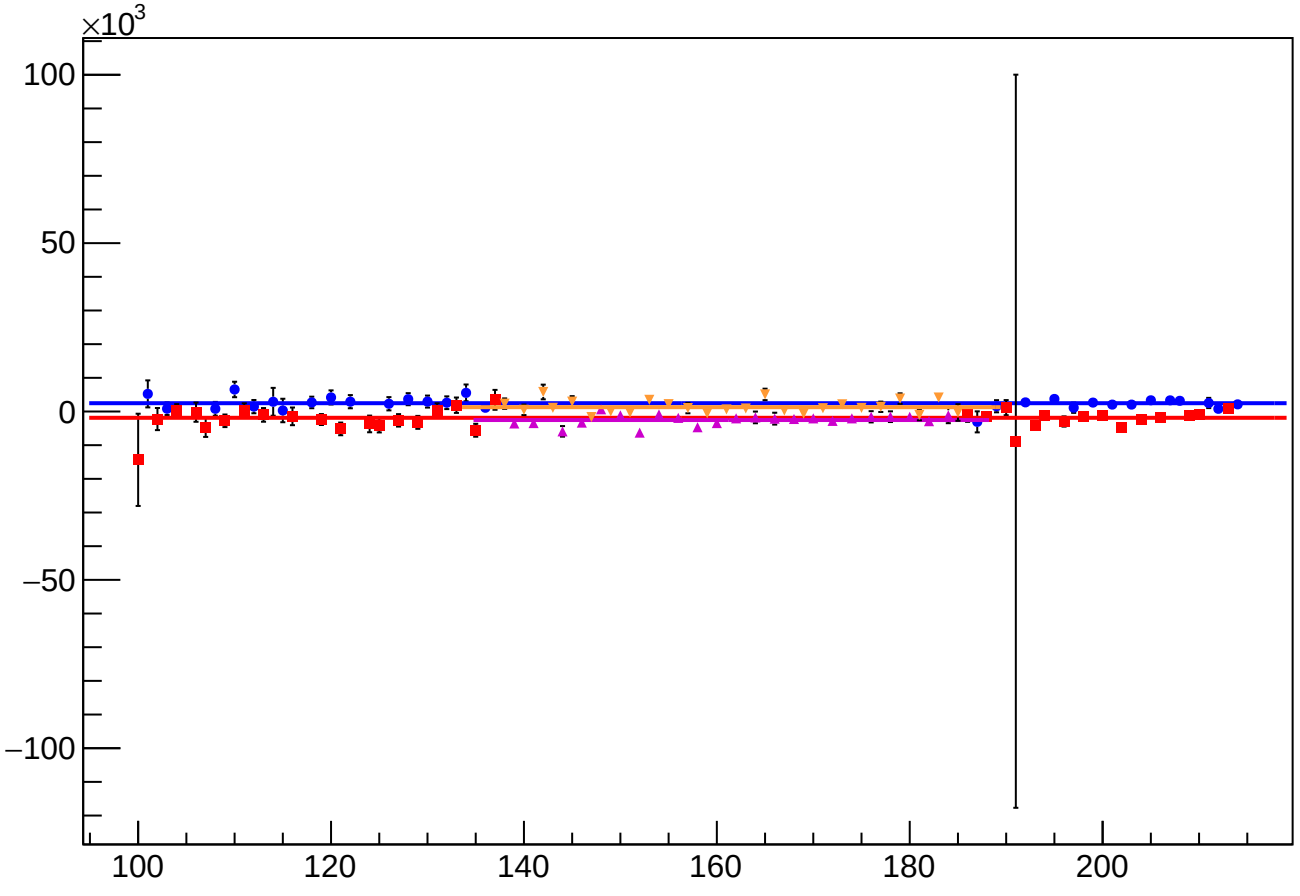
Right Out: 3979.421+/-0.706 χ^2/NDF: 6060962.5/33

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4624.021+/-0.556 χ^2/NDF: 5384343.2/54

All: 4512.758+/-0.388 χ^2/NDF: 13640575.5/1

- sign 4406.936+/-0.542 χ^2/NDF: 8178114.9/56



Right In: 2465.480+/-313.226 χ^2/NDF: 17.0/29

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1868.936+/-311.770 χ^2/NDF: 34.7/33

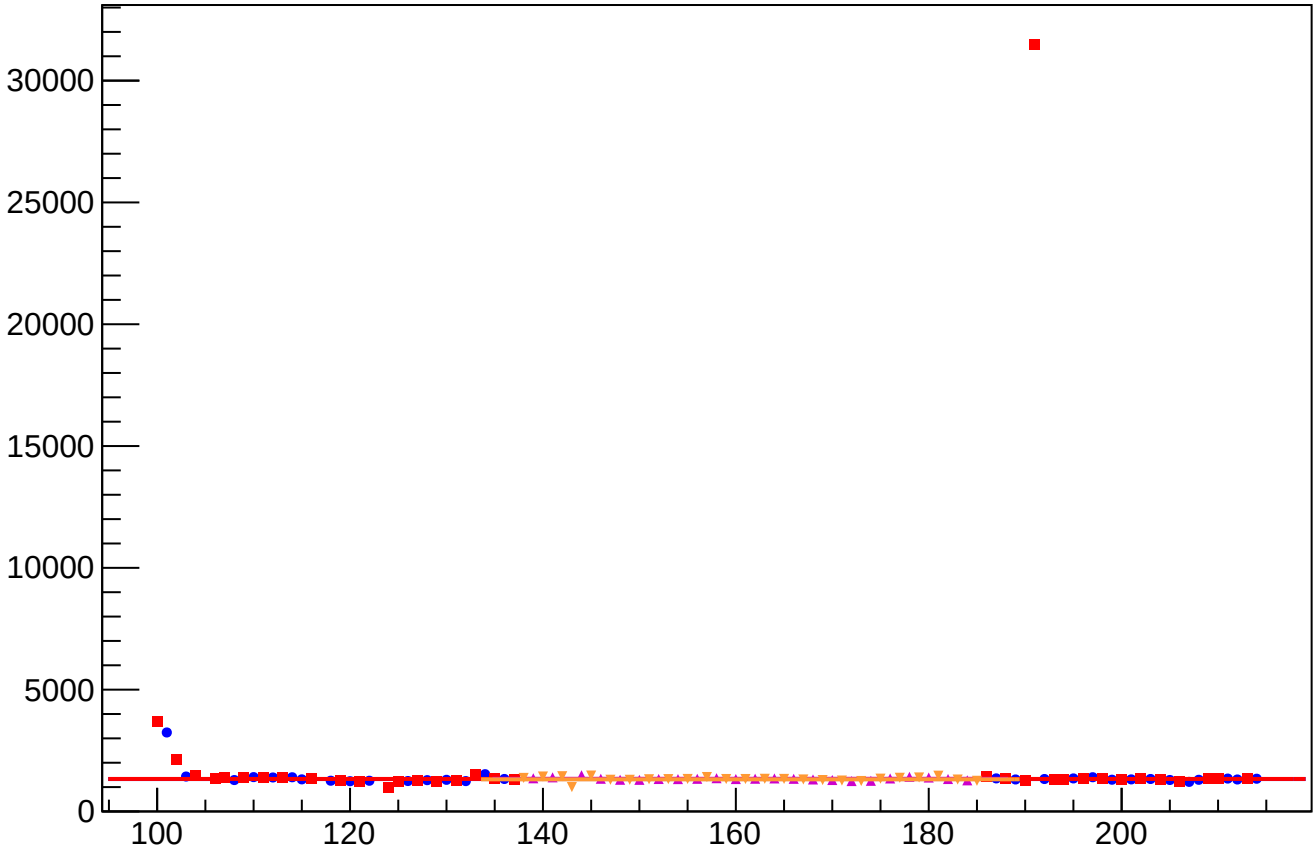
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1850.528+/-216.856 χ^2/NDF: 57.8/54

All: -137.391+/-154.733 χ^2/NDF: 291.0/111

- sign -2199.178+/-220.848 χ^2/NDF: 62.0/56

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1330.404+/-0.221 χ^2/NDF: 523019.6/29

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

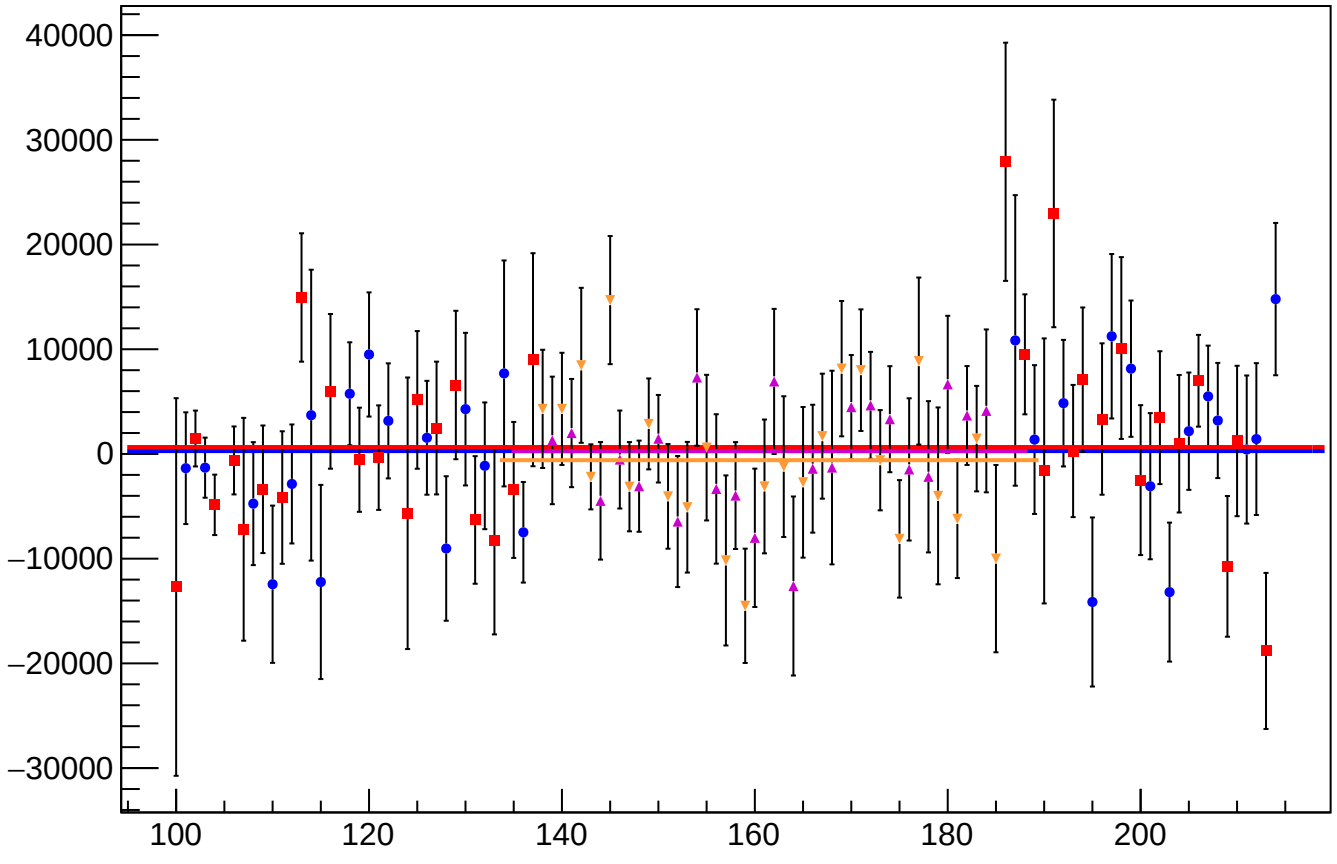
Right Out: 1334.559+/-0.220 χ^2/NDF: 447784.2/33

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1324.037+/-0.153 χ^2/NDF: 773157.1/54

All: 1330.192+/-0.109 χ^2/NDF: 1278641.5/11

- sign 1336.573+/-0.156 χ^2/NDF: 502203.0/56



Right In: 273.445+/-1102.188 χ^2/NDF: 33.1/29

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

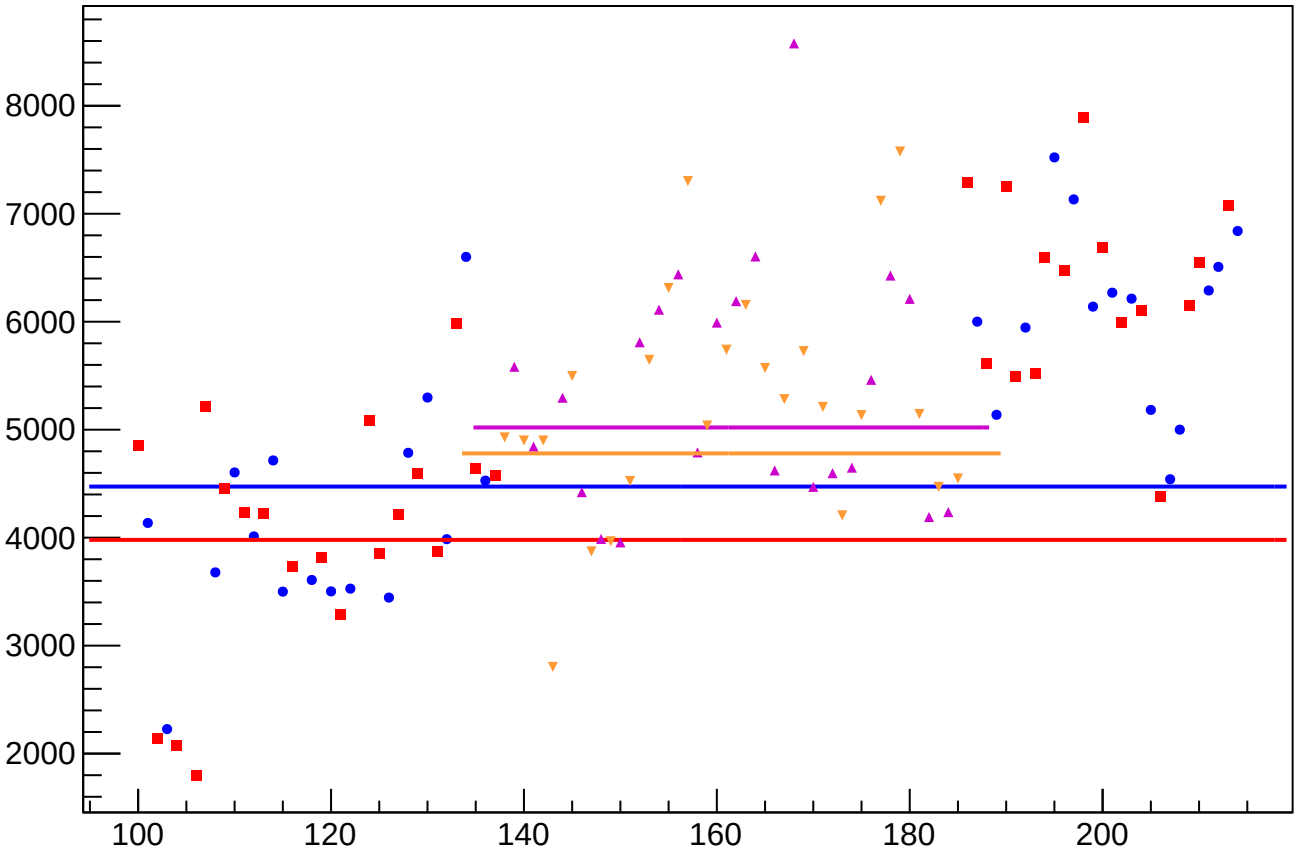
Right Out: 661.762+/-998.957 χ^2/NDF: 43.7/33

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -152.892+/-786.375 χ^2/NDF: 63.0/54

All: 182.808+/-549.040 χ^2/NDF: 120.5/111

- sign 502.094+/-766.910 χ^2/NDF: 57.2/56



Right In: 4473.190+/-0.779 χ^2/NDF: 3301853.0/29

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3979.413+/-0.706 χ^2/NDF: 6061006.1/33

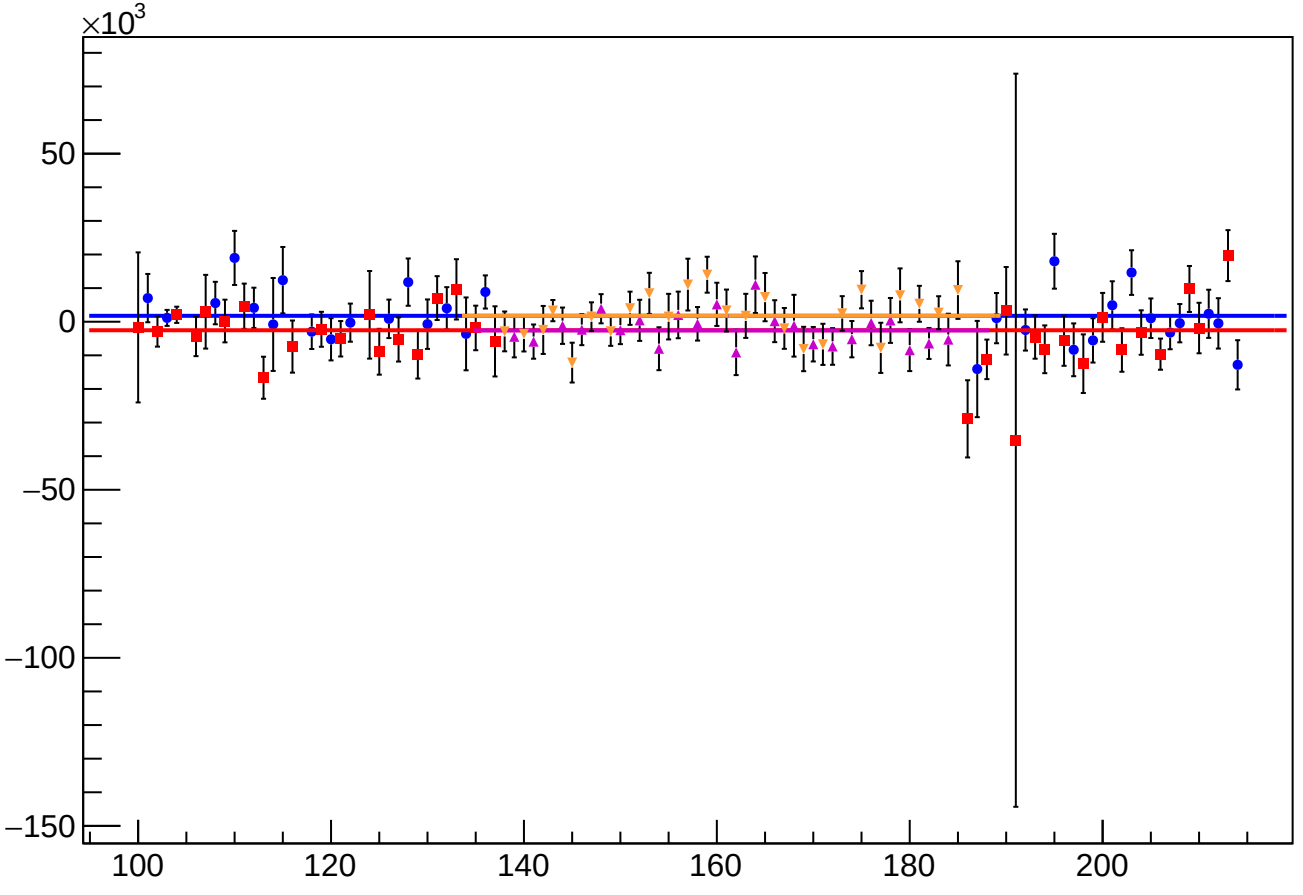
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4624.021+/-0.556 χ^2/NDF: 5384386.4/54

All: 4512.757+/-0.388 χ^2/NDF: 13640695.0/1

- sign 4406.933+/-0.542 χ^2/NDF: 8178188.5/56

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1758.530+/-1104.028 χ^2/NDF: 31.5/29

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2535.296+/-1087.434 χ^2/NDF: 42.5/33

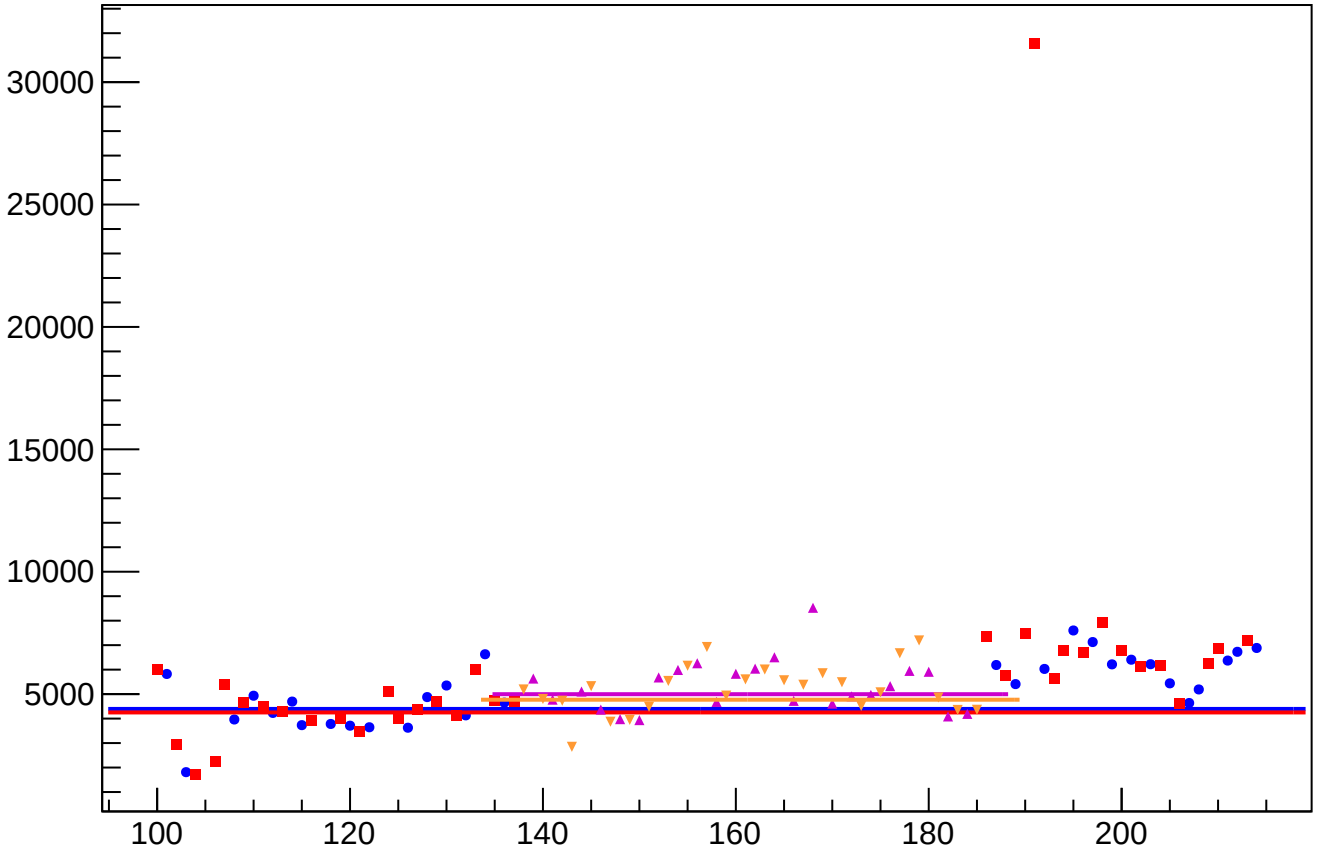
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1760.089+/-784.945 χ^2/NDF: 59.1/54

All: -350.676+/-561.065 χ^2/NDF: 129.7/111

- sign -2555.649+/-802.271 χ^2/NDF: 55.8/56

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4394.534+/-0.781 χ^2/NDF: 4630718.2/29

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

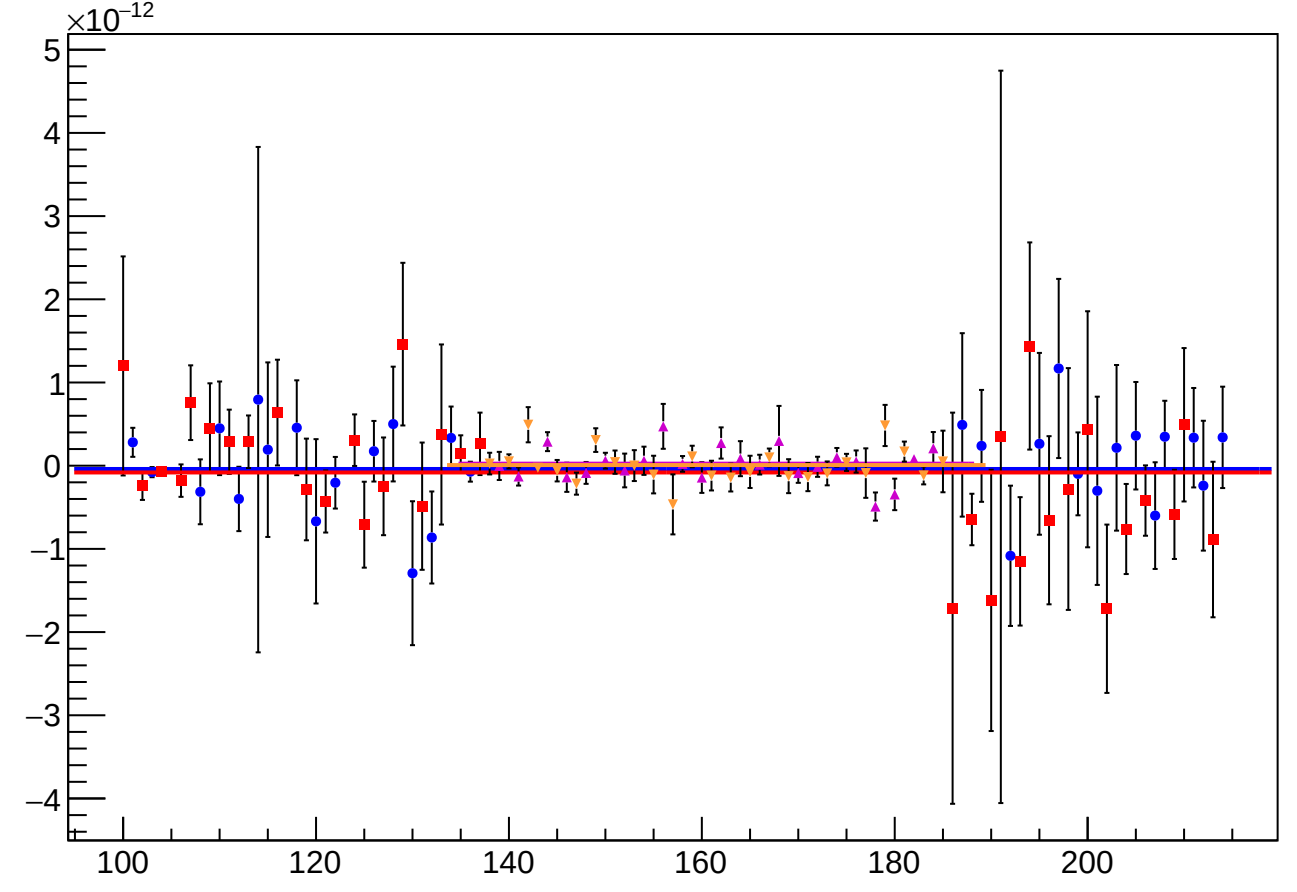
Right Out: 4251.160+/-0.762 χ^2/NDF: 5704321.8/33

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4580.786+/-0.555 χ^2/NDF: 6532910.0/54

All: 4584.103+/-0.396 χ^2/NDF: 13765171.2/1

- sign 4587.534+/-0.564 χ^2/NDF: 7232188.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

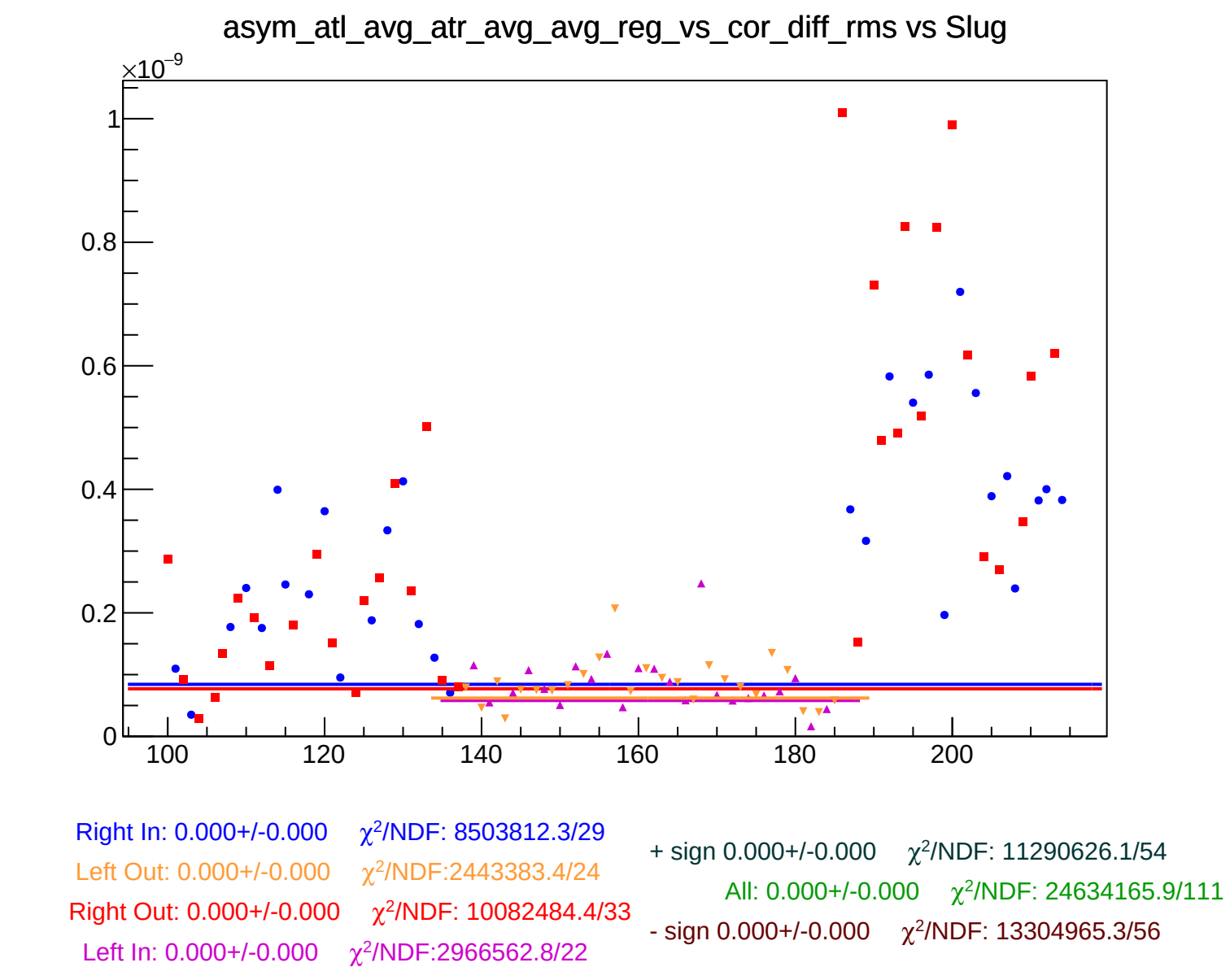
Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/33

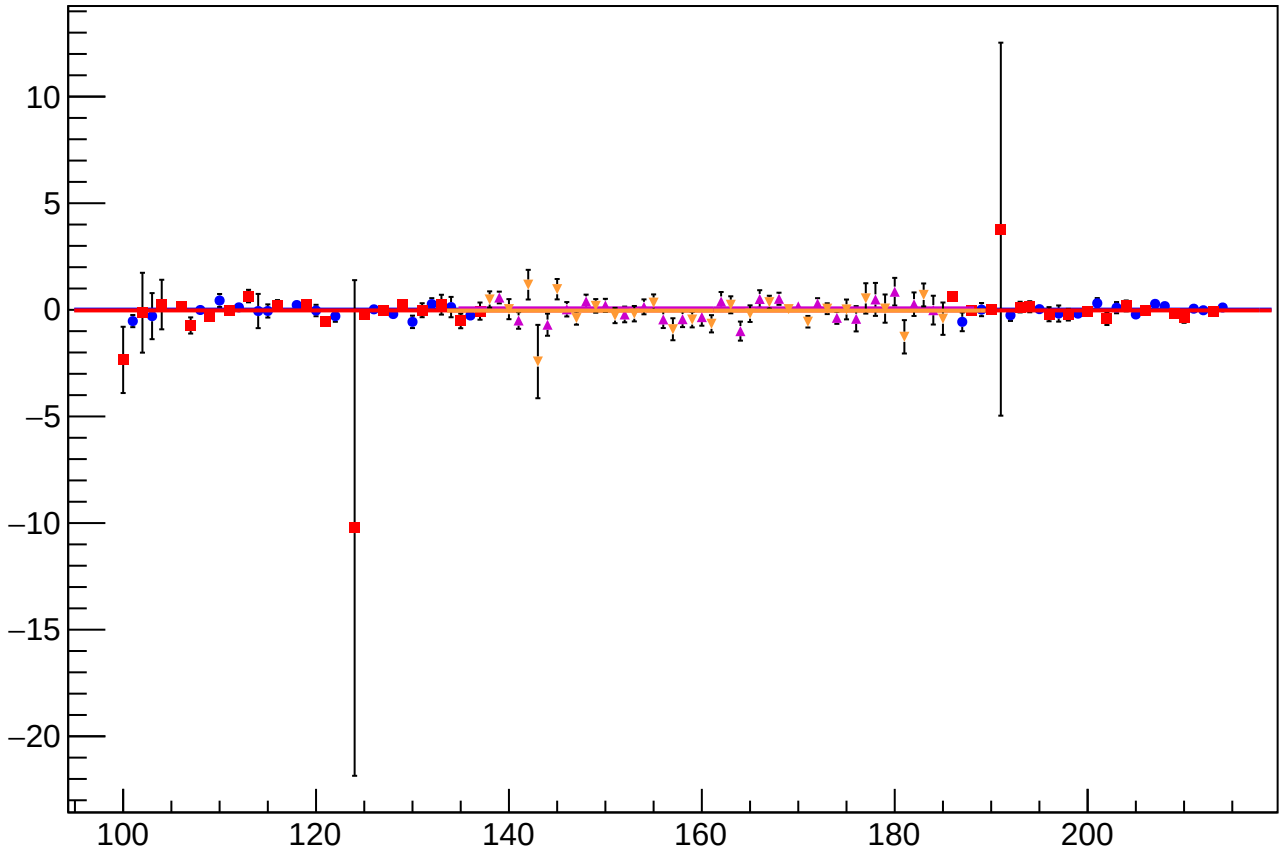
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 47.8/54

All: -0.000+/-0.000 χ^2/NDF: 118.1/111

- sign -0.000+/-0.000 χ^2/NDF: 70.3/56


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8503812.3/29
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 10082484.4/33
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 11290626.1/54
All: 0.000+/-0.000 χ²/NDF: 24634165.9/111
- sign 0.000+/-0.000 χ²/NDF: 13304965.3/56



Right In: 0.011+/-0.043 χ^2/NDF: 28.0/29

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

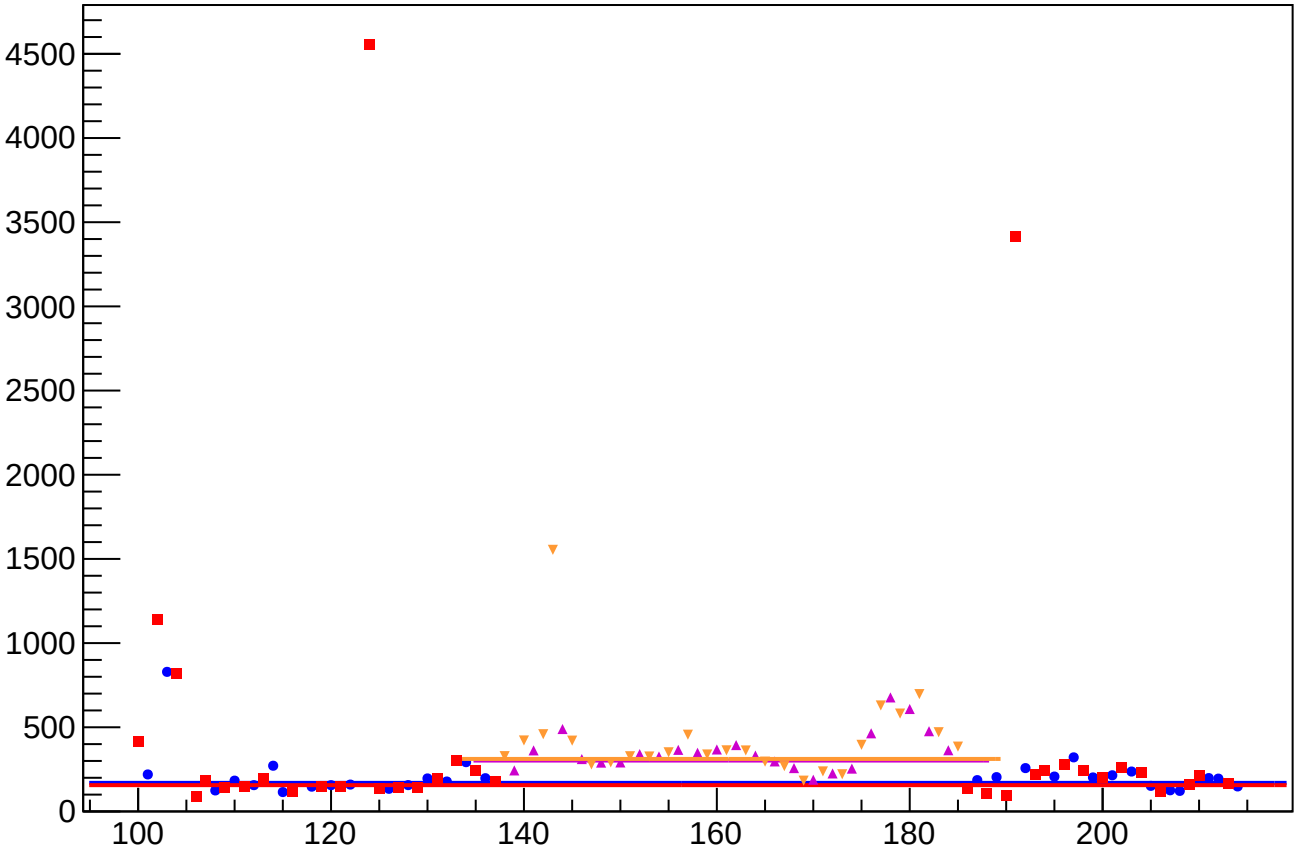
Right Out: -0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign 0.000+/-0.037 χ^2/NDF: 60.8/54

All: -0.003+/-0.026 χ^2/NDF: 135.0/111

- sign -0.005+/-0.036 χ^2/NDF: 74.2/56



Right In: 169.838+/-0.030 χ^2/NDF: 2694501.9/29

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

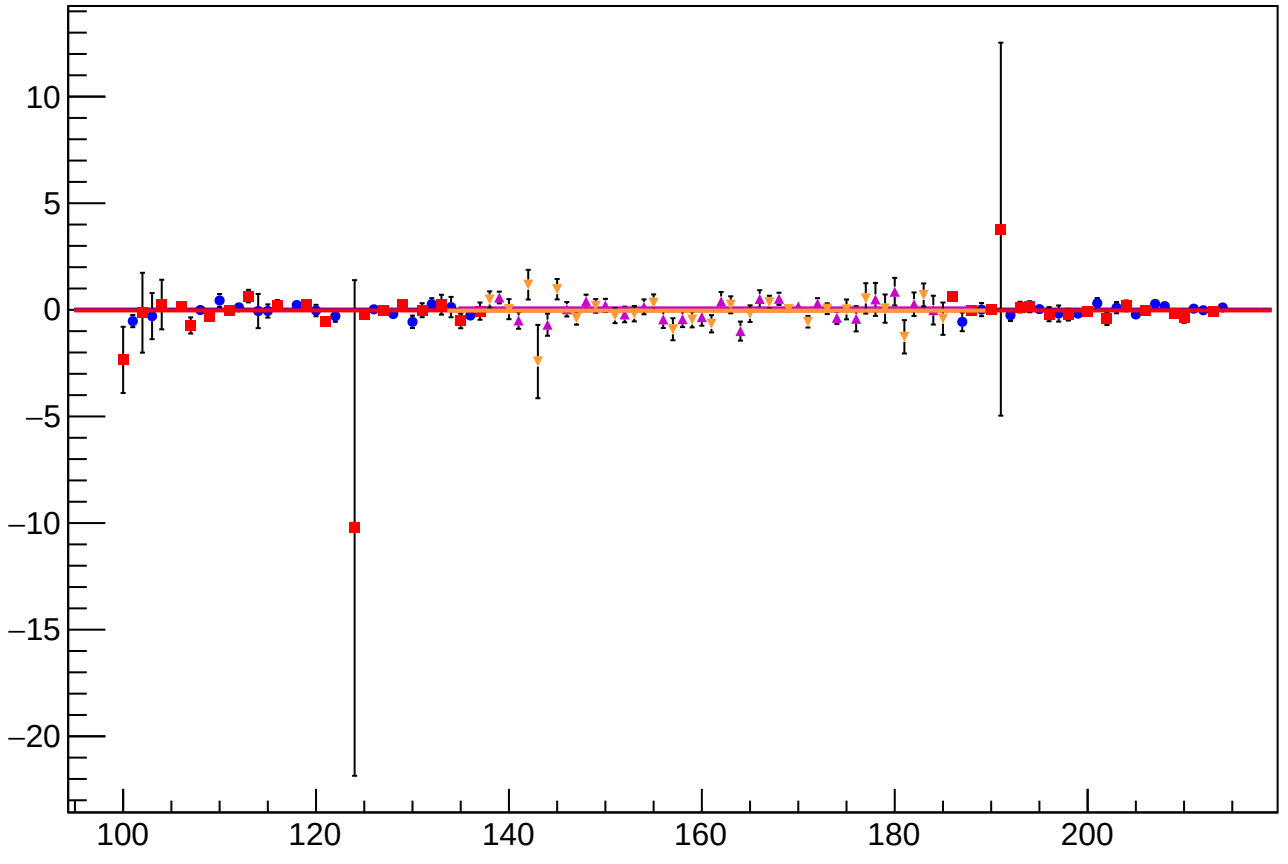
Right Out: 156.246+/-0.029 χ^2/NDF: 4888974.1/33

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 203.688+/-0.026 χ^2/NDF: 12279705.3/54

All: 196.159+/-0.018 χ^2/NDF: 26021719.3/11

- sign 189.330+/-0.025 χ^2/NDF: 13587603.6/56



Right In: 0.011+/-0.043 χ^2/NDF: 28.0/29

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

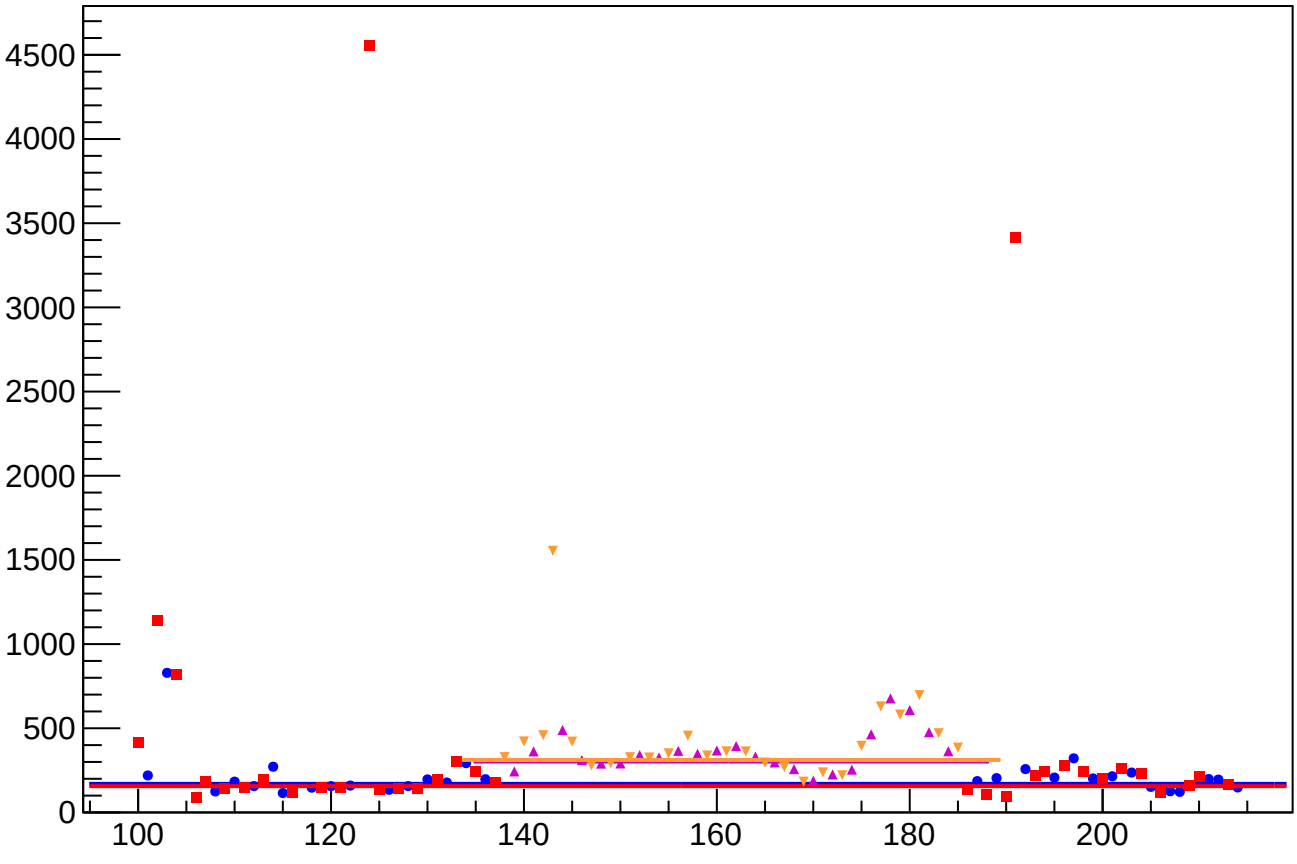
Right Out: -0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign 0.000+/-0.037 χ^2/NDF: 60.8/54

All: -0.003+/-0.026 χ^2/NDF: 135.0/111

- sign -0.005+/-0.036 χ^2/NDF: 74.2/56



Right In: 169.838+/-0.030 χ^2/NDF: 2694501.9/29

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

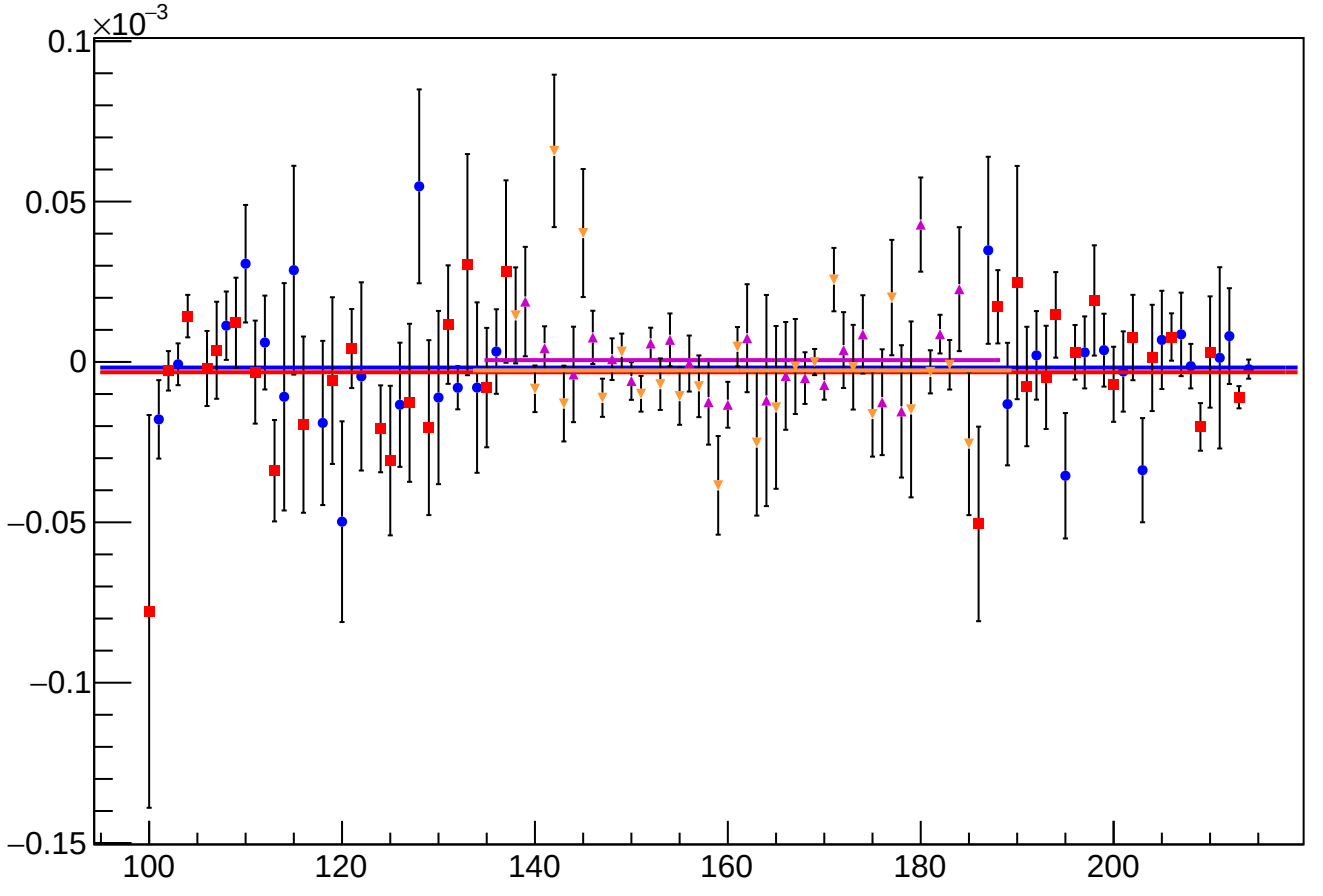
Right Out: 156.246+/-0.029 χ^2/NDF: 4888974.1/33

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 203.688+/-0.026 χ^2/NDF: 12279705.3/54

All: 196.159+/-0.018 χ^2/NDF: 26021719.3/11

- sign 189.330+/-0.025 χ^2/NDF: 13587603.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

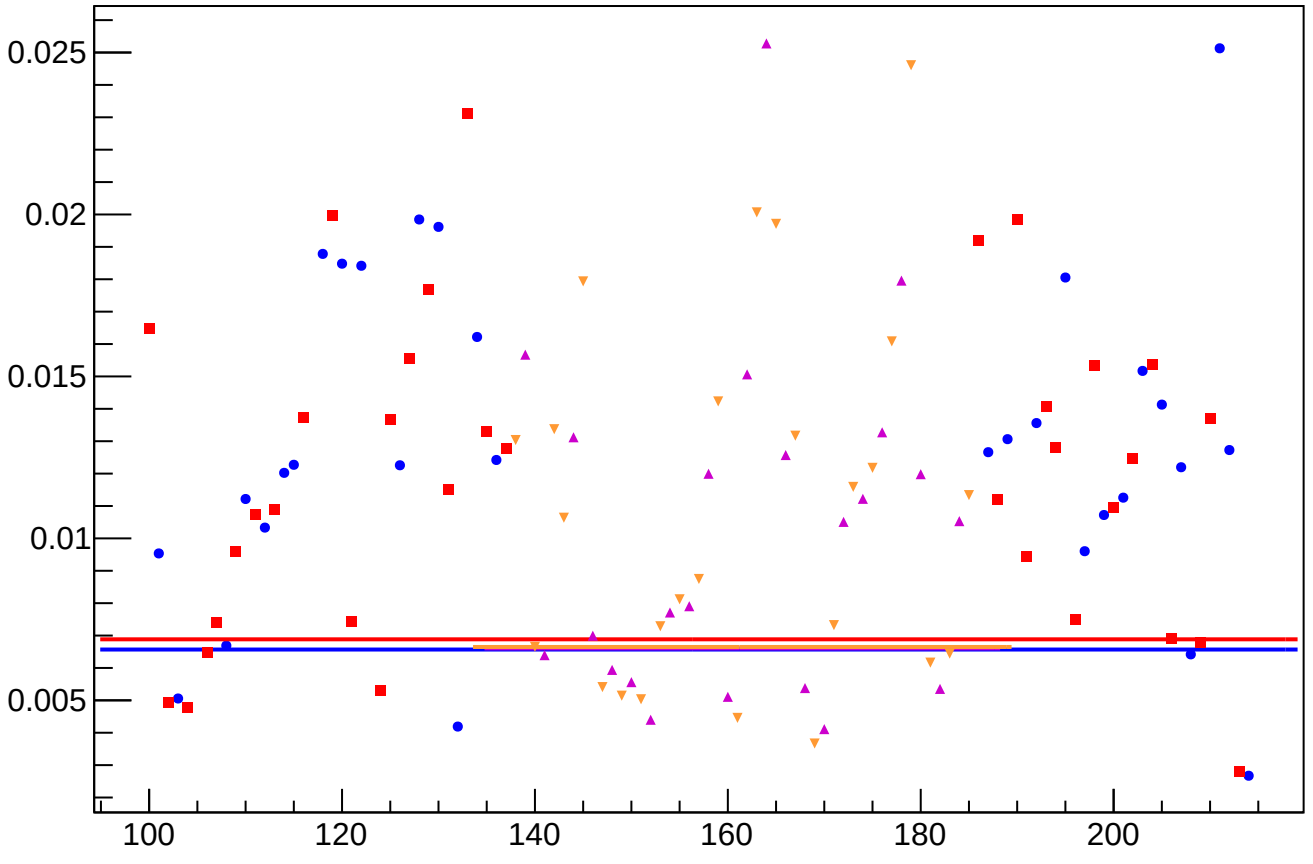
Right Out: -0.000+/-0.000 χ^2/NDF: 44.7/33

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.7/54

All: -0.000+/-0.000 χ^2/NDF: 142.8/111

- sign -0.000+/-0.000 χ^2/NDF: 73.7/56



Right In: 0.007+/-0.000 χ^2/NDF: 11850373.3/29

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

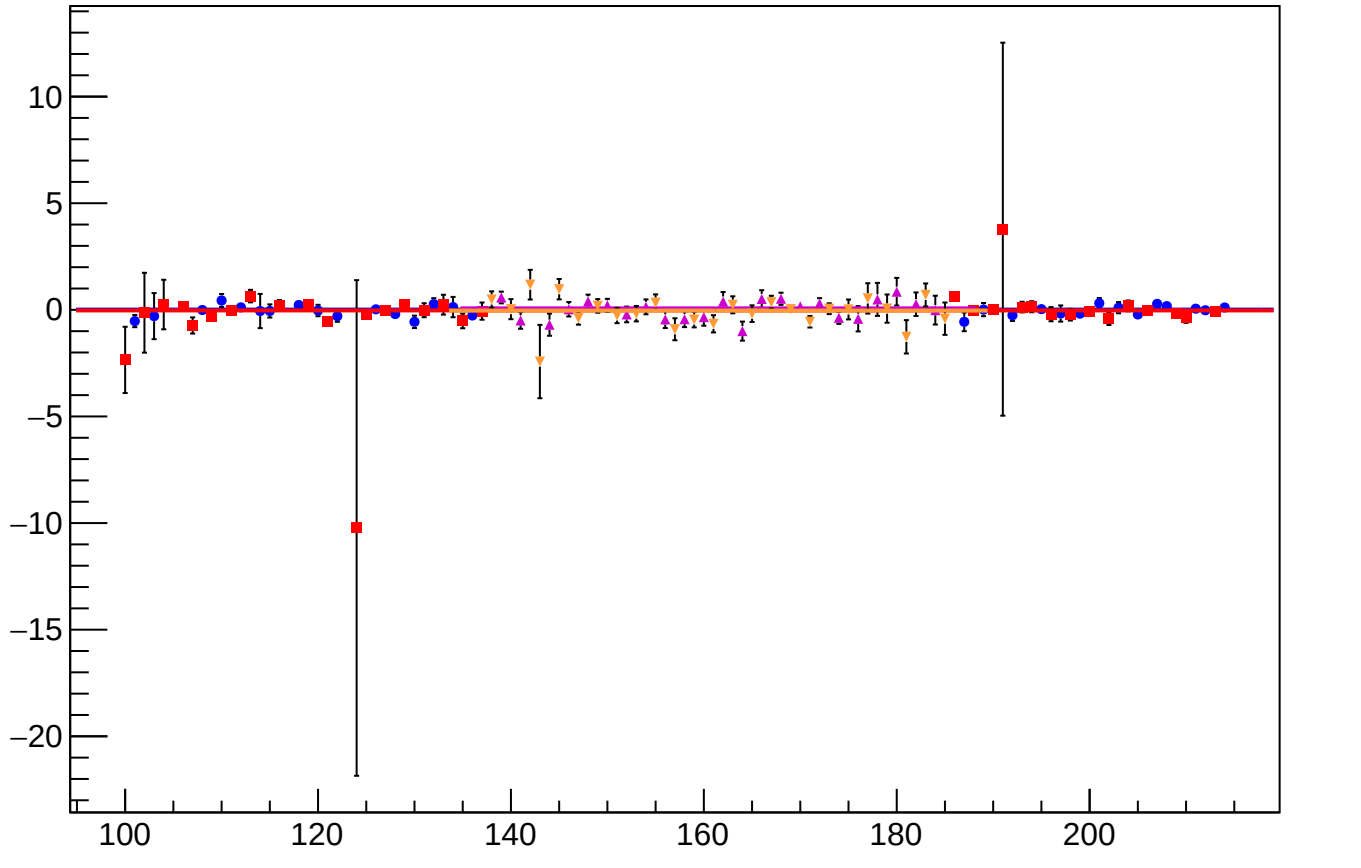
Right Out: 0.007+/-0.000 χ^2/NDF: 9444282.8/33

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 19366170.8/54

All: 0.007+/-0.000 χ^2/NDF: 34698580.5/111

- sign 0.007+/-0.000 χ^2/NDF: 15323075.5/56



Right In: 0.011+/-0.043 χ^2/NDF: 28.0/29

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

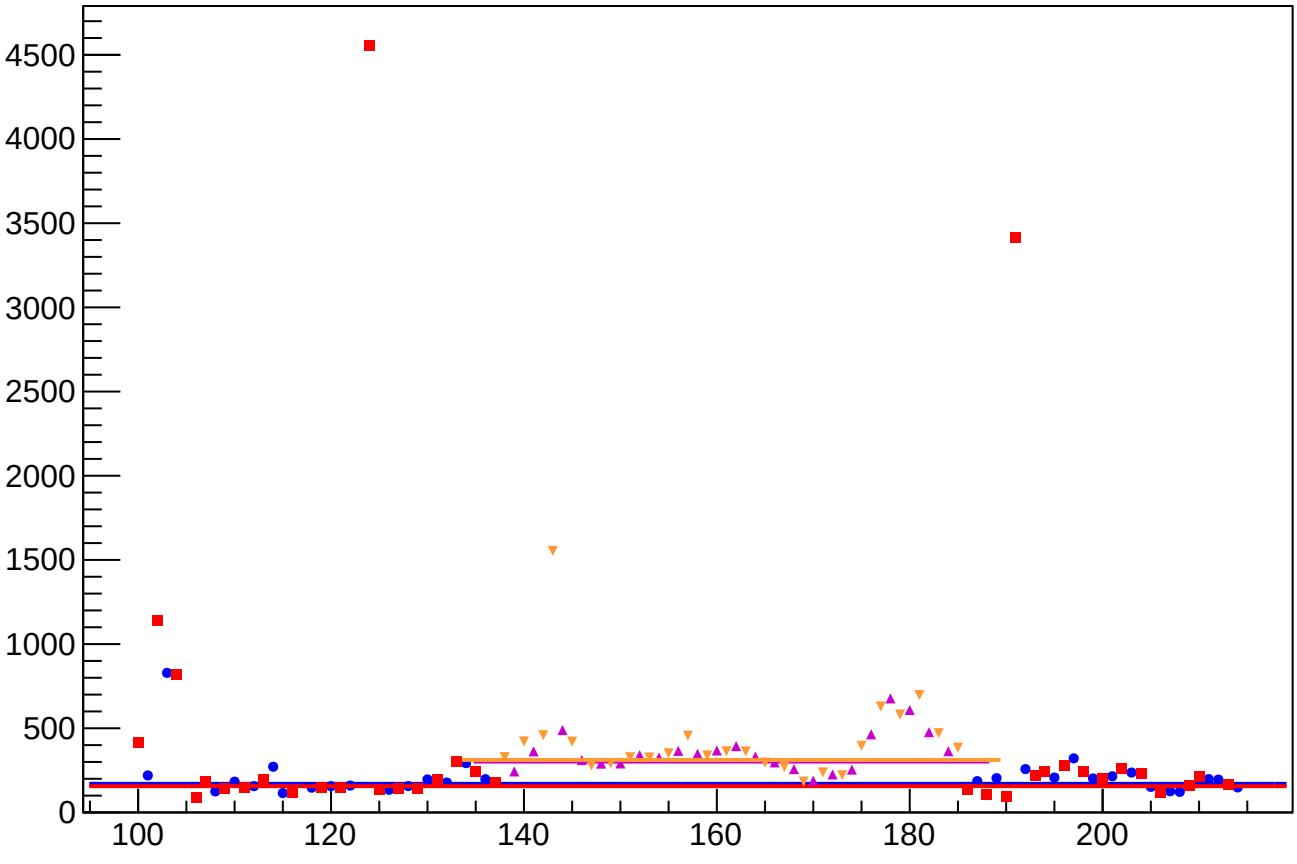
Right Out: -0.027+/-0.041 χ^2/NDF: 43.0/33

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign 0.000+/-0.037 χ^2/NDF: 60.8/54

All: -0.003+/-0.026 χ^2/NDF: 135.0/111

- sign -0.005+/-0.036 χ^2/NDF: 74.2/56



Right In: 169.837+/-0.030 χ^2/NDF: 2694572.5/29

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 156.243+/-0.029 χ^2/NDF: 4889194.2/33

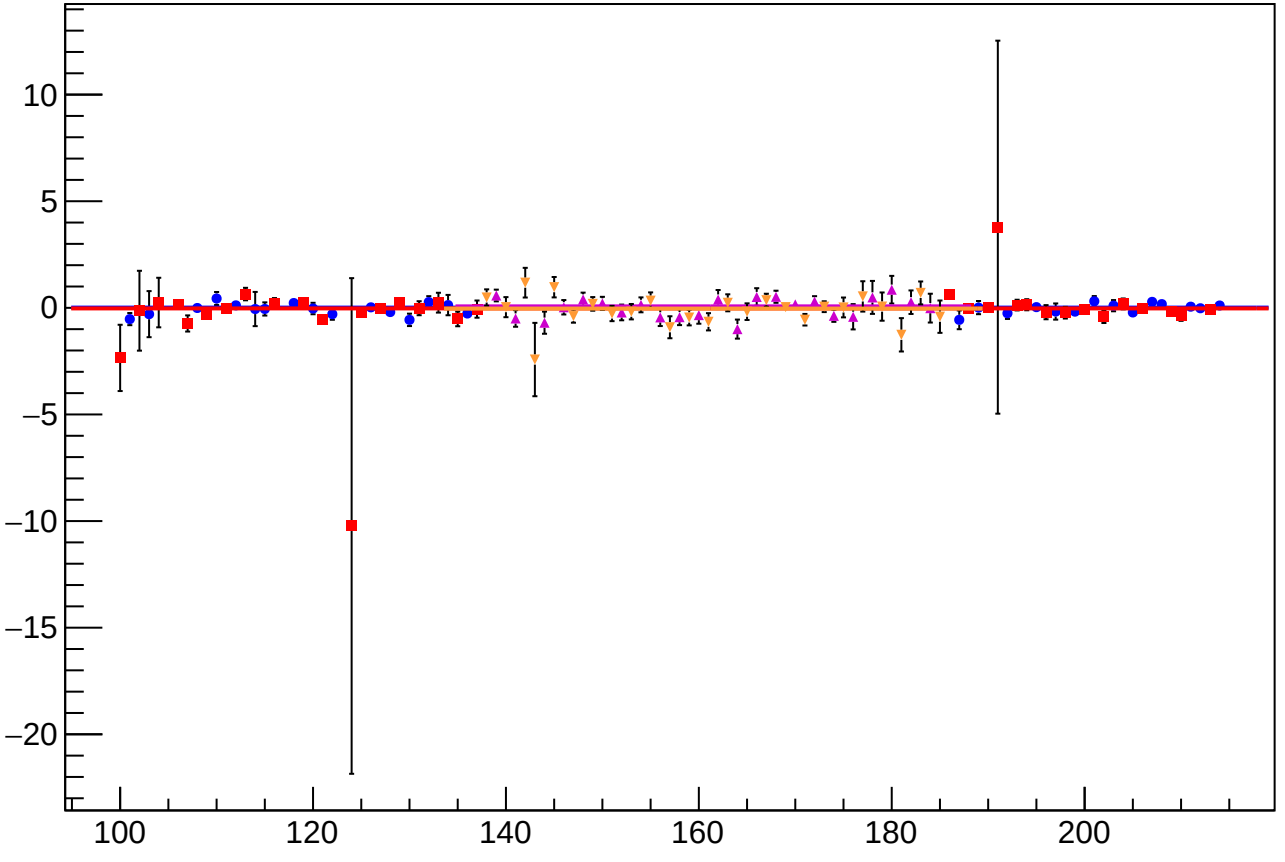
Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 203.686+/-0.026 χ^2/NDF: 12280066.3/54

All: 196.156+/-0.018 χ^2/NDF: 26022812.5/11

- sign 189.327+/-0.025 χ^2/NDF: 13588294.0/56

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.043 χ^2/NDF: 28.0/29

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

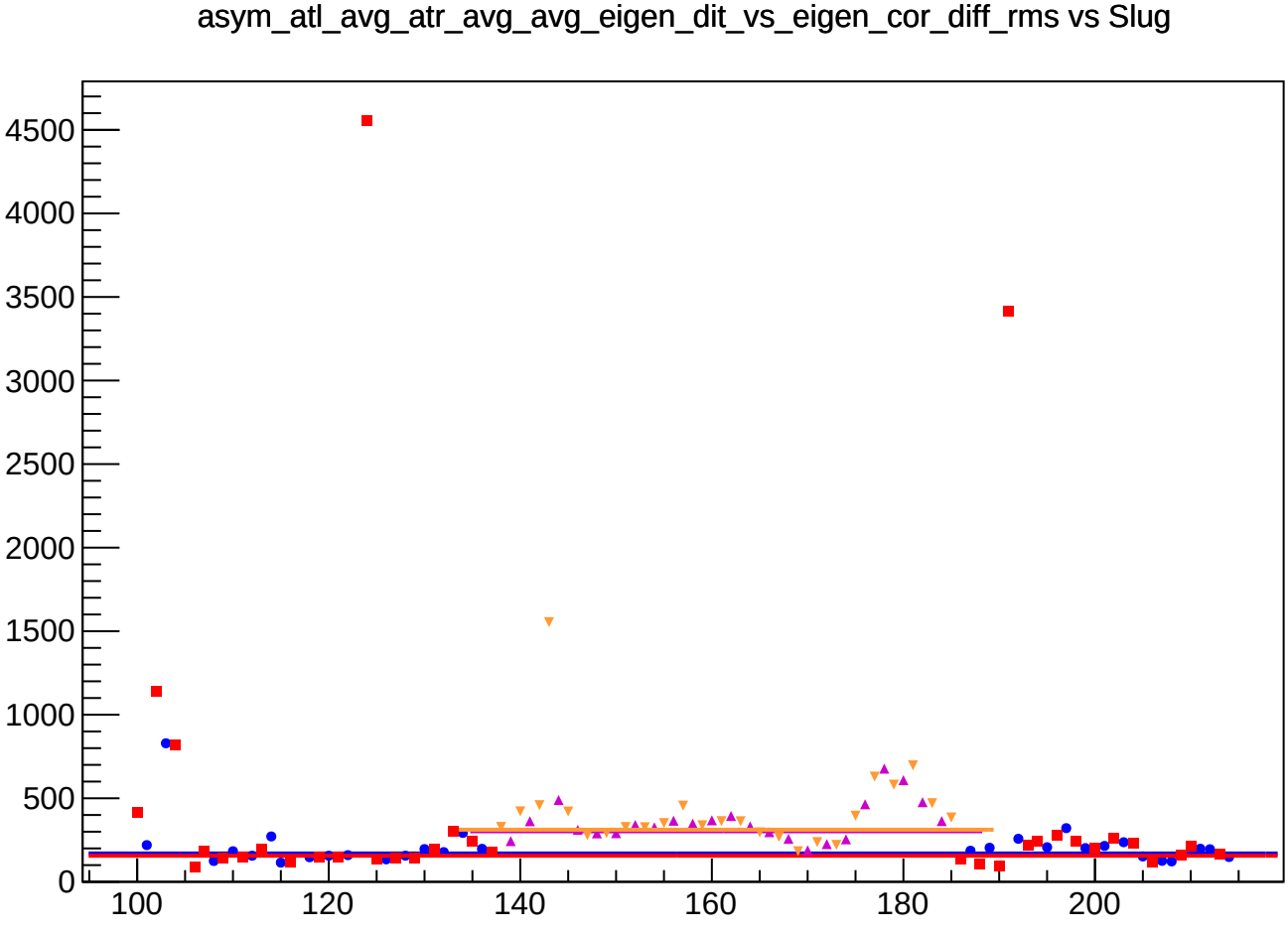
Right Out: -0.027+/-0.041 χ^2/NDF: 43.0/33

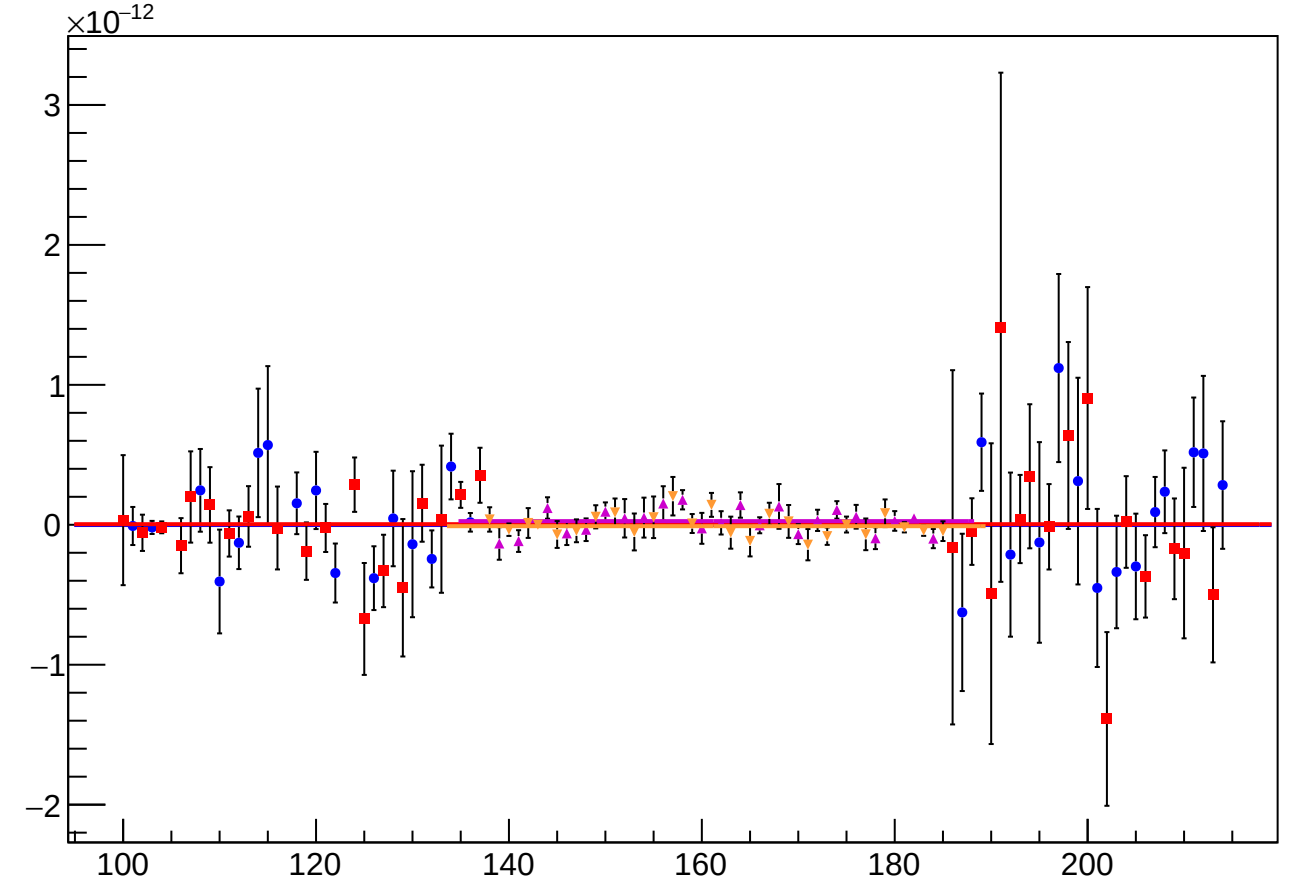
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign 0.000+/-0.037 χ^2/NDF: 60.8/54

All: -0.003+/-0.026 χ^2/NDF: 135.0/111

- sign -0.005+/-0.036 χ^2/NDF: 74.2/56


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
Right In: 169.837+/-0.030 χ²/NDF: 2694572.5/29
Left Out: 311.961+/-0.054 χ²/NDF:4350376.6/24
Right Out: 156.243+/-0.029 χ²/NDF: 4889194.2/33
Left In: 302.377+/-0.053 χ²/NDF:2808874.8/22
+ sign 203.686+/-0.026 χ²/NDF: 12280066.3/54
All: 196.156+/-0.018 χ²/NDF: 26022812.5/11
- sign 189.327+/-0.025 χ²/NDF: 13588294.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

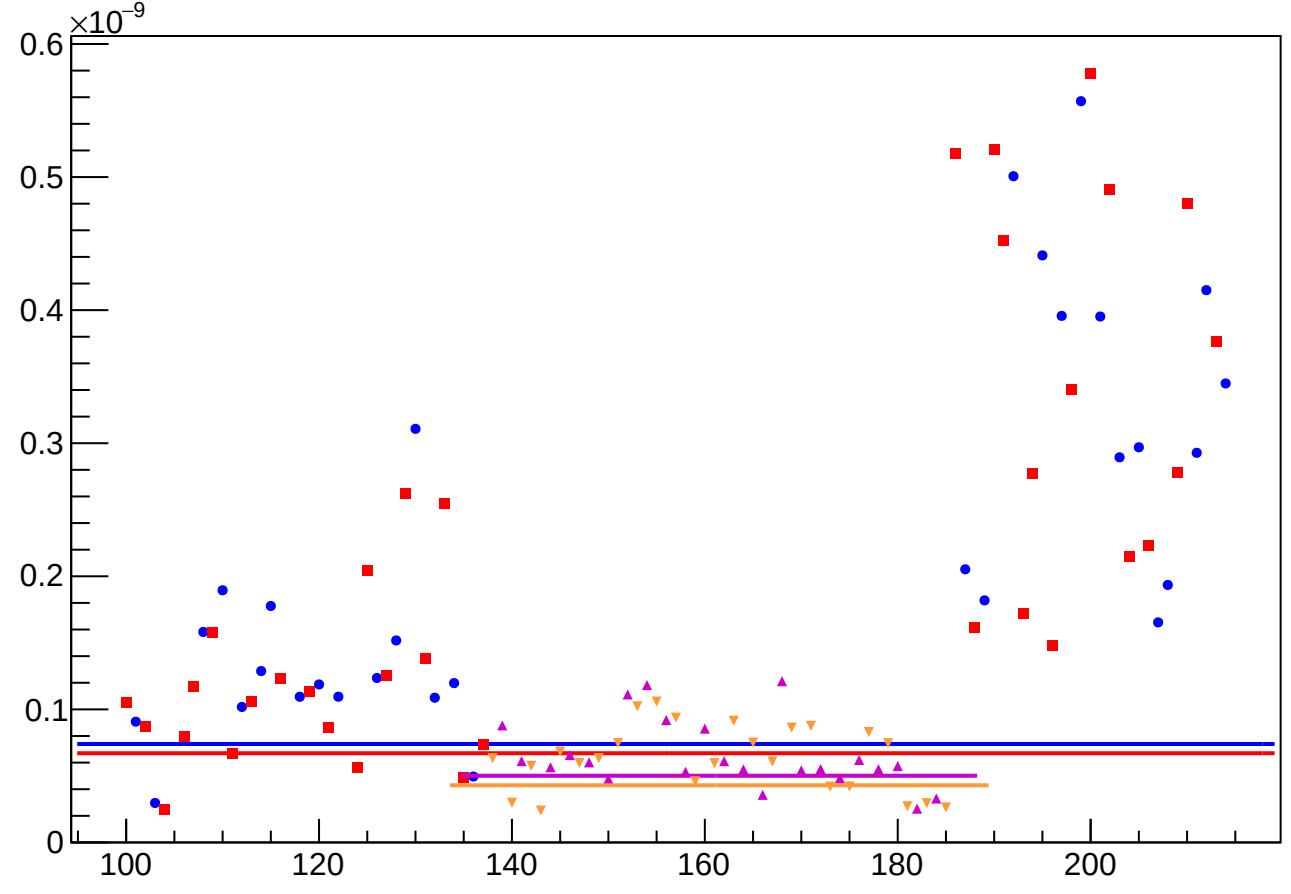
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/33

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.5/54

All: 0.000+/-0.000 χ^2/NDF: 106.8/111

- sign 0.000+/-0.000 χ^2/NDF: 58.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 11300024.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10939604.6/33

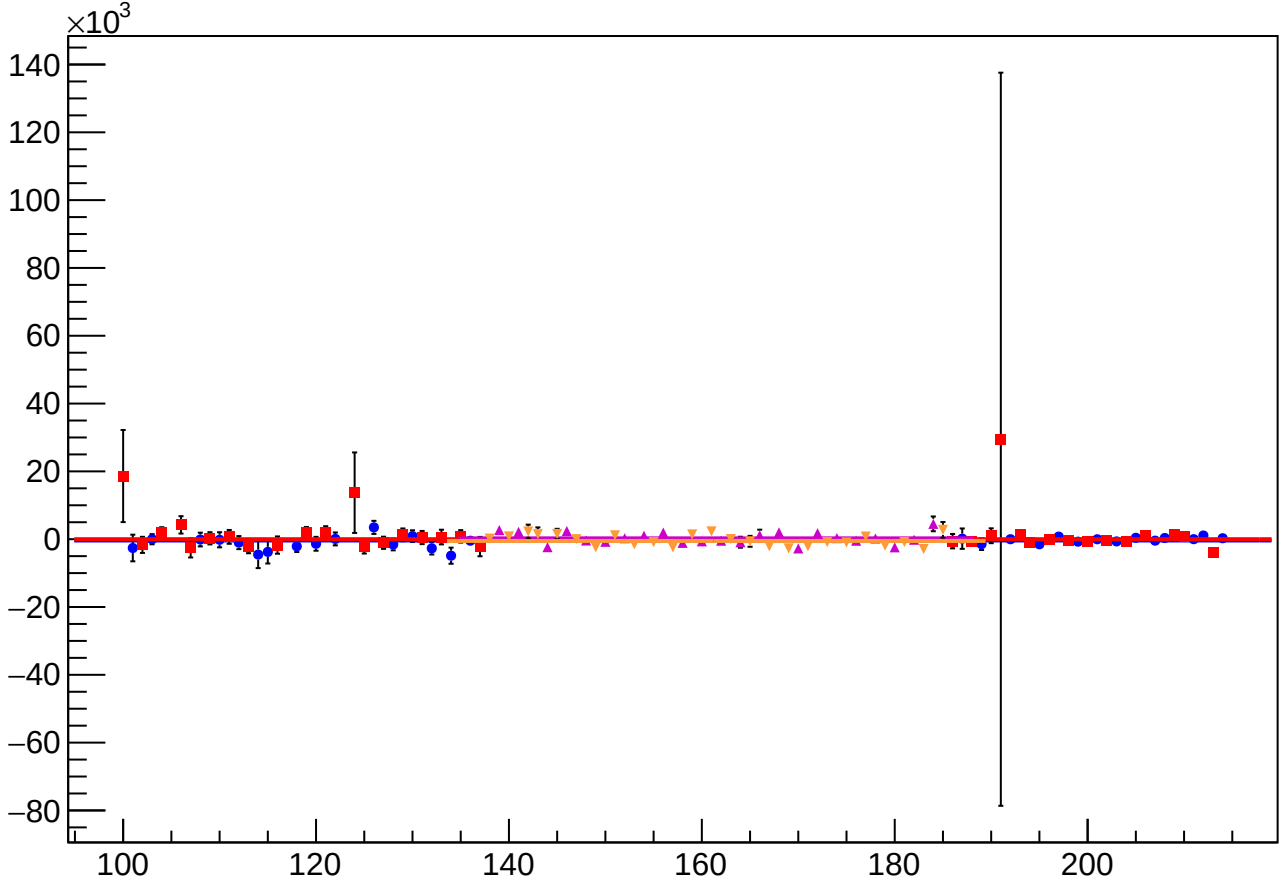
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18007300.3/54

All: 0.000+/-0.000 χ^2/NDF: 33260175.3/111

- sign 0.000+/-0.000 χ^2/NDF: 15050730.5/56

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -375.445+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -4.501+/-299.265 χ^2/NDF: 29.8/33

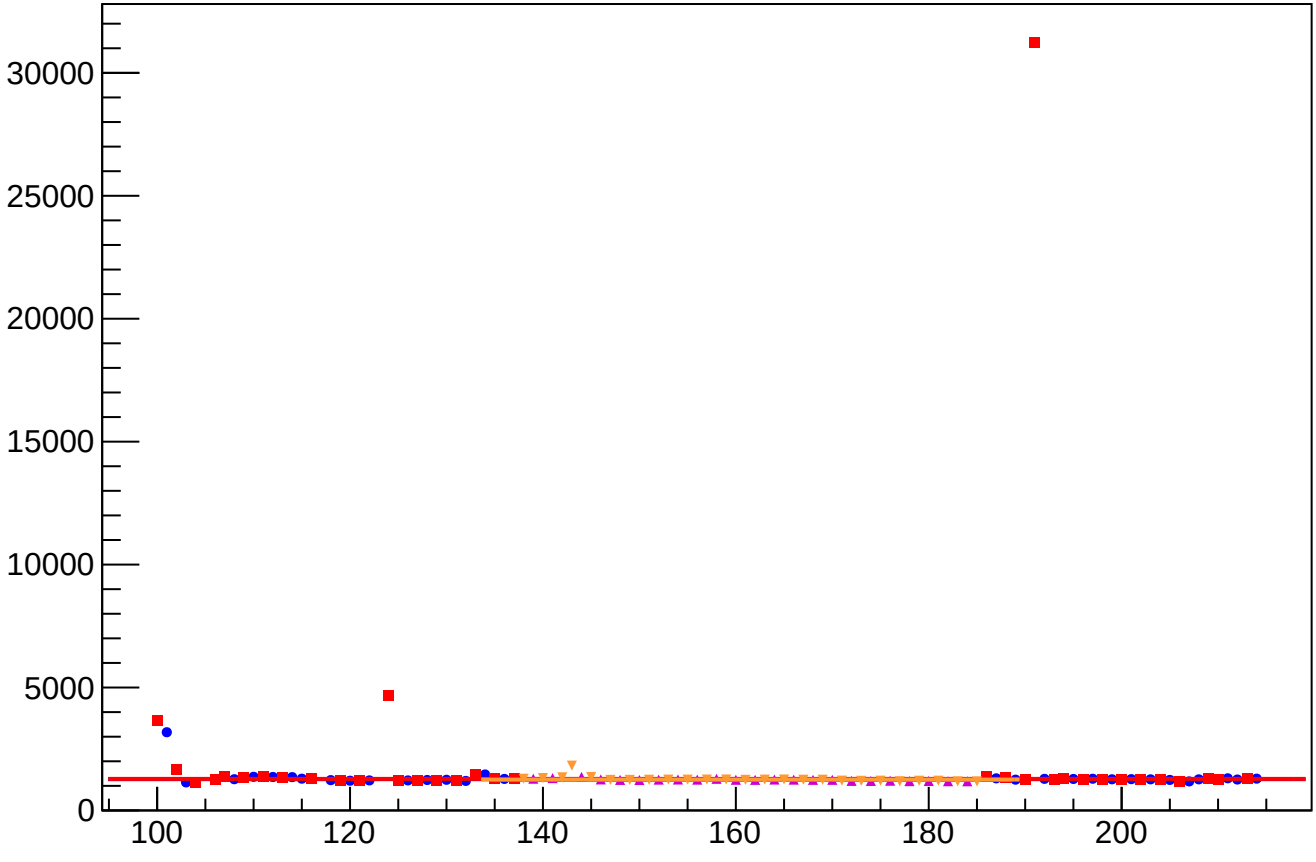
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -448.241+/-206.903 χ^2/NDF: 49.2/54

All: -165.333+/-146.930 χ^2/NDF: 115.2/111

- sign 122.482+/-208.690 χ^2/NDF: 62.2/56

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534157.2/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

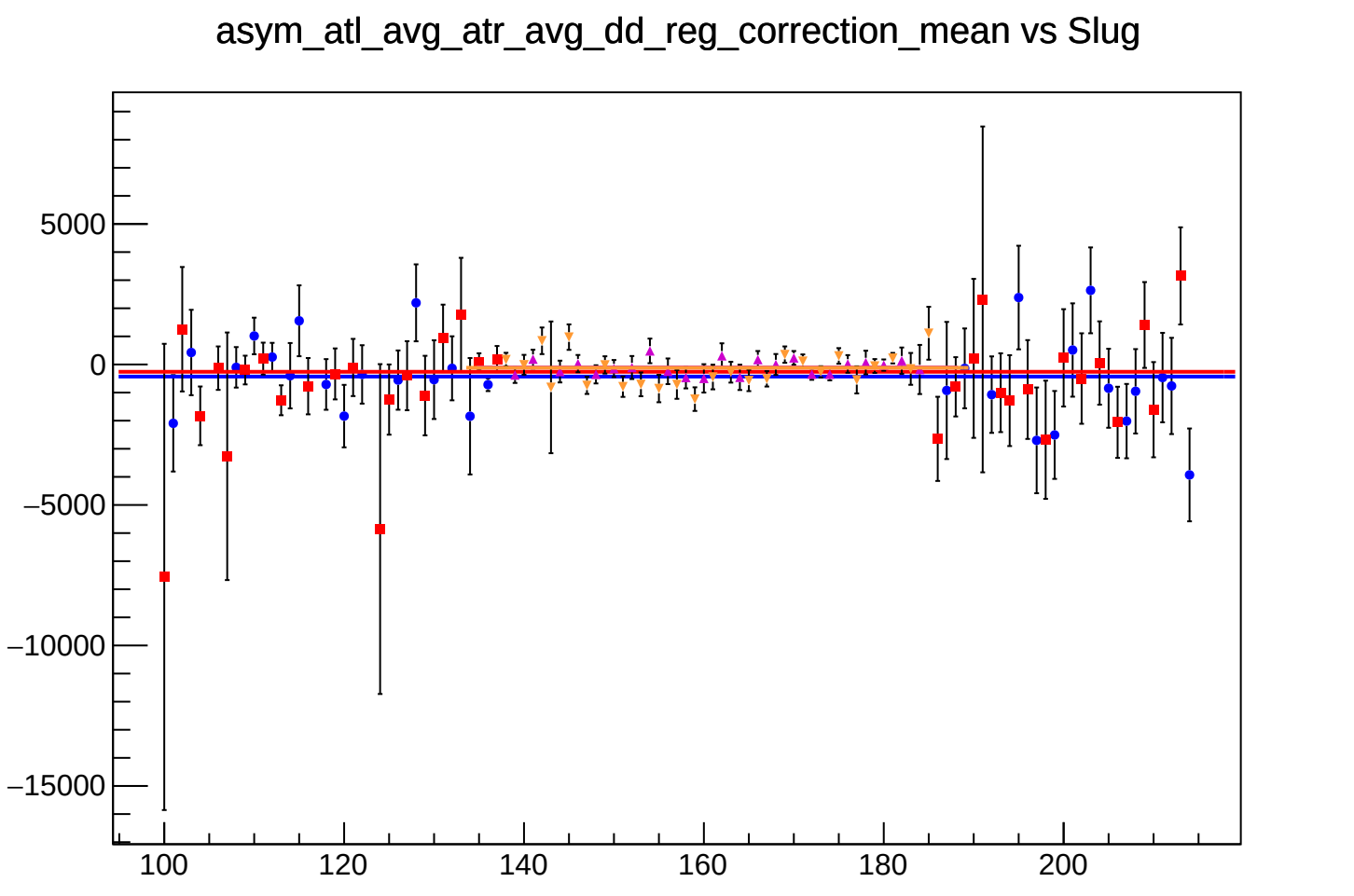
Right Out: 1283.846+/-0.212 χ^2/NDF: 507659.6/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741041.3/54

All: 1264.327+/-0.104 χ^2/NDF: 1304689.2/11

- sign 1264.586+/-0.148 χ^2/NDF: 563641.8/56



Right In: -430.366+/-156.275 χ^2/NDF: 34.7/29

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

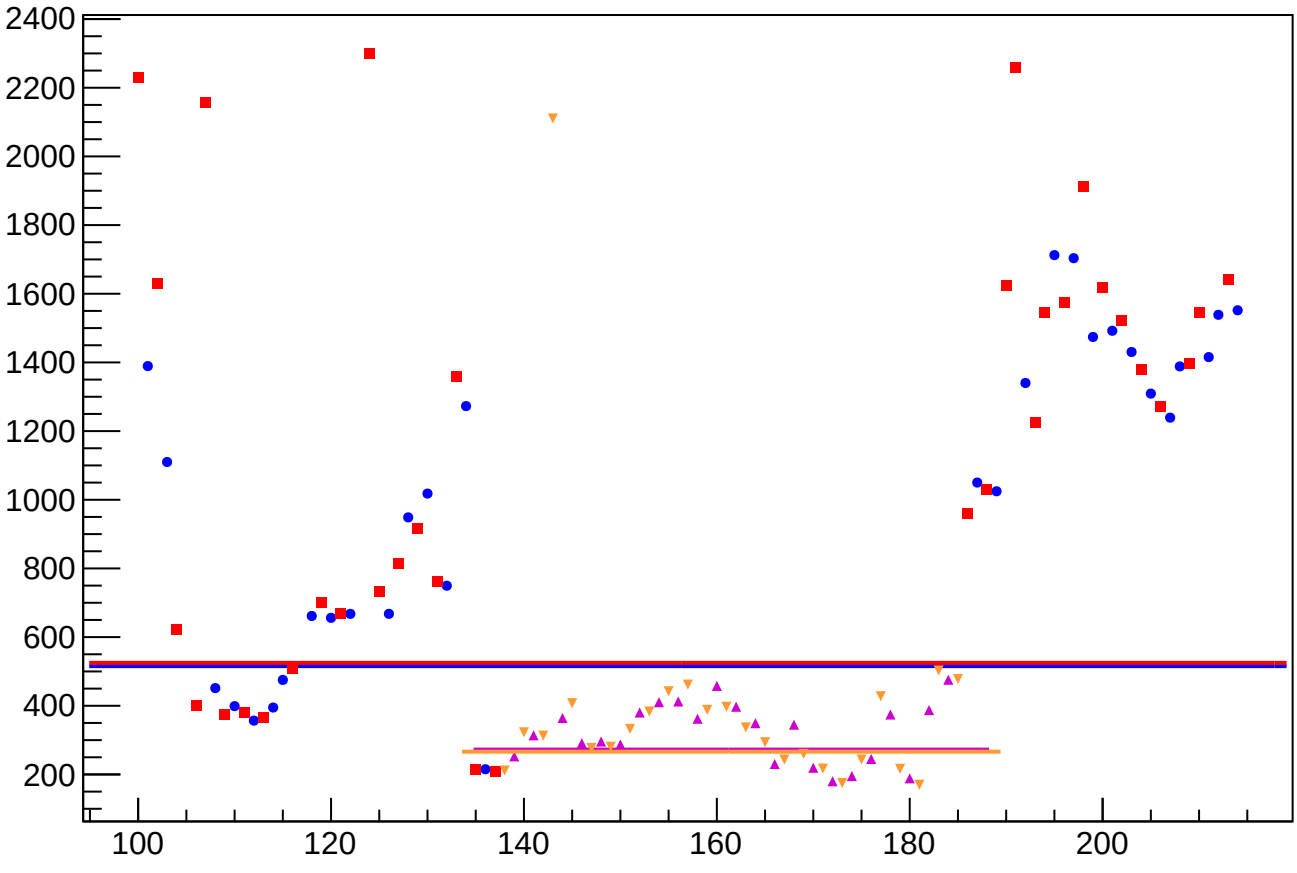
Right Out: -259.769+/-156.900 χ^2/NDF: 27.8/33

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

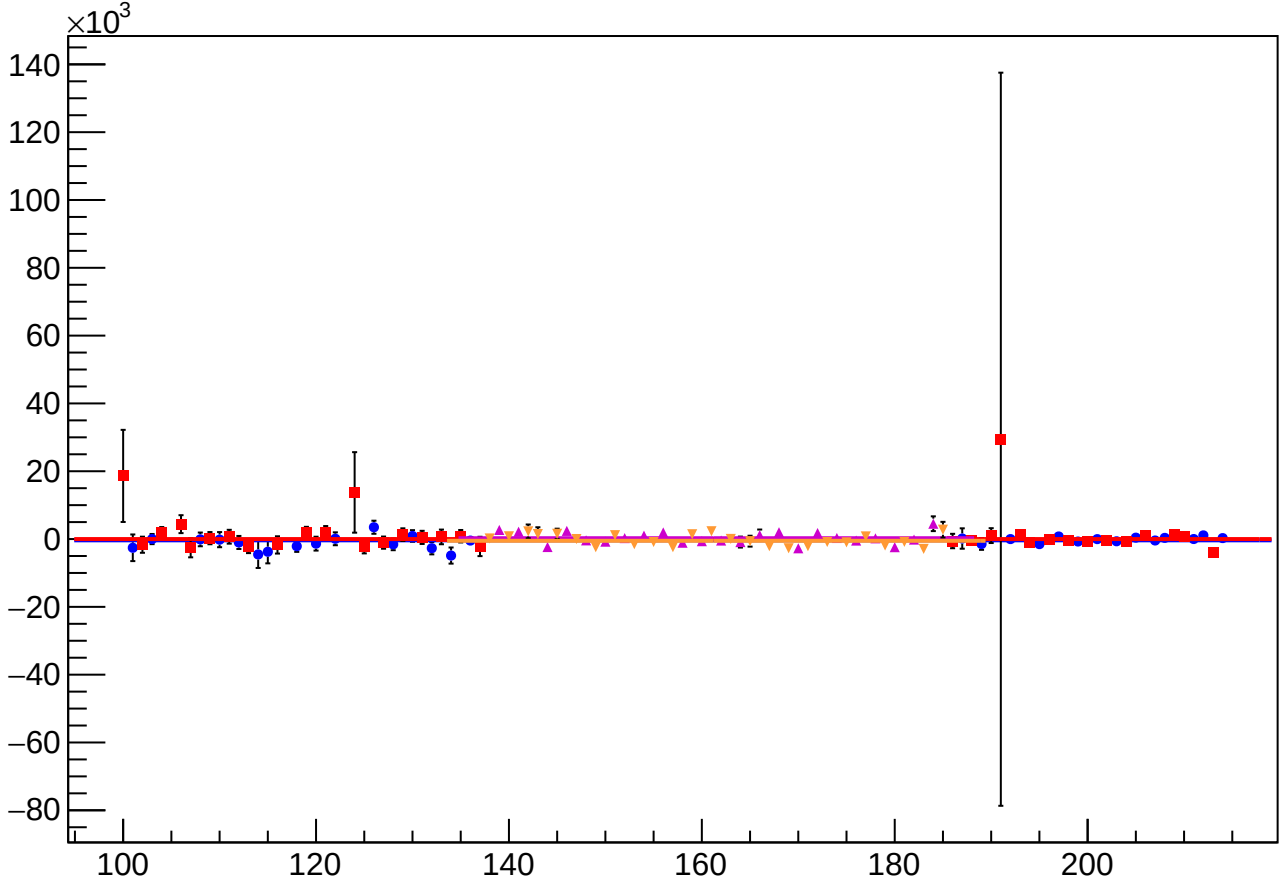
\+ sign -163.313+/-60.062 χ^2/NDF: 86.5/54

All: -147.497+/-43.010 χ^2/NDF: 129.0/111

\- sign -130.850+/-61.618 χ^2/NDF: 42.4/56


asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 515.489+/-0.111 χ²/NDF: 14487911.7/29
Left Out: 266.321+/-0.046 χ²/NDF:4630130.4/24
Right Out: 525.002+/-0.111 χ²/NDF: 14551589.6/33
Left In: 272.368+/-0.047 χ²/NDF:2887823.5/22
+ sign 303.126+/-0.042 χ²/NDF: 23451400.6/54
All: 307.124+/-0.030 χ²/NDF: 45294489.4/11
- sign 311.331+/-0.044 χ²/NDF: 21824904.6/56

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -375.303+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2/NDF: 29.8/33

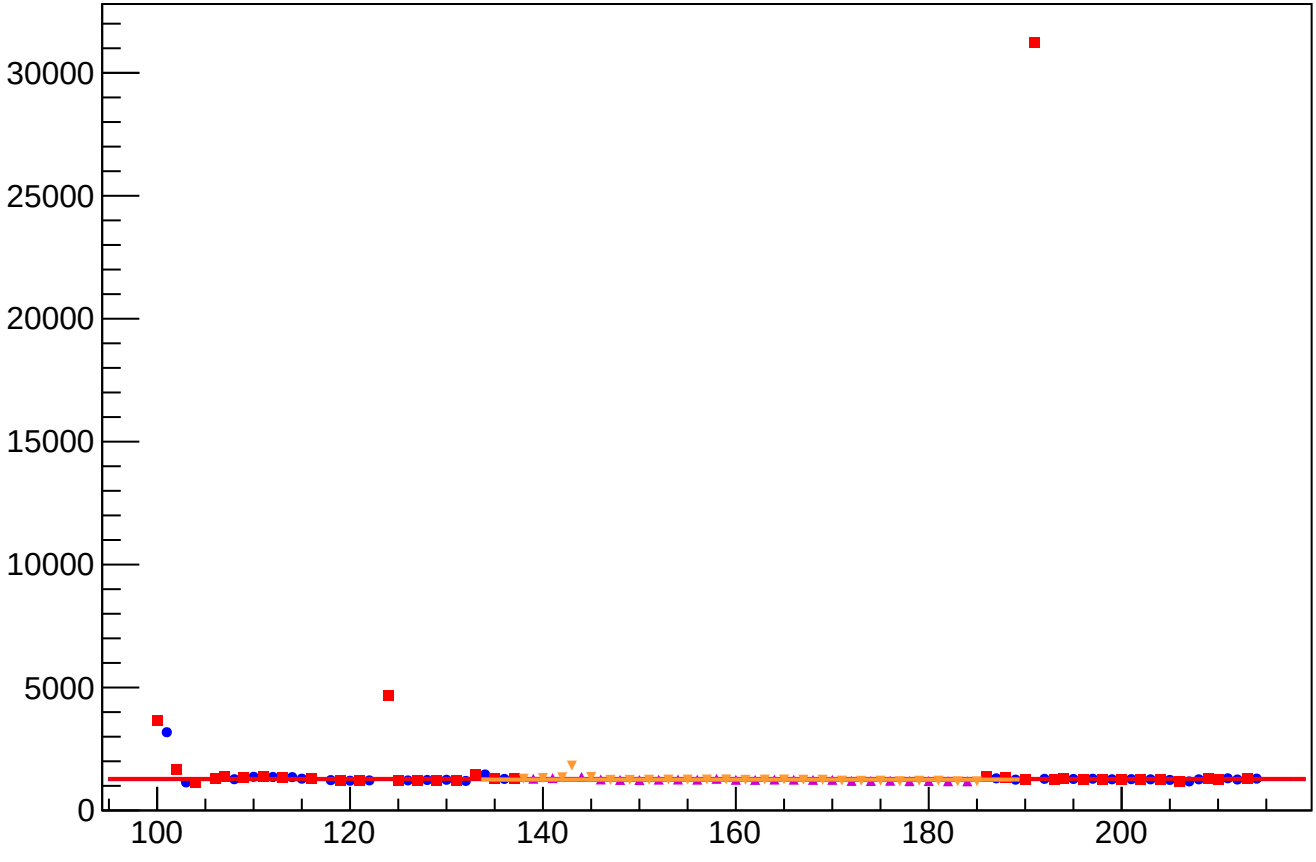
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -448.145+/-206.903 χ^2/NDF: 49.2/54

All: -165.629+/-146.945 χ^2/NDF: 115.2/111

- sign 121.901+/-208.731 χ^2/NDF: 62.2/56

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534158.6/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

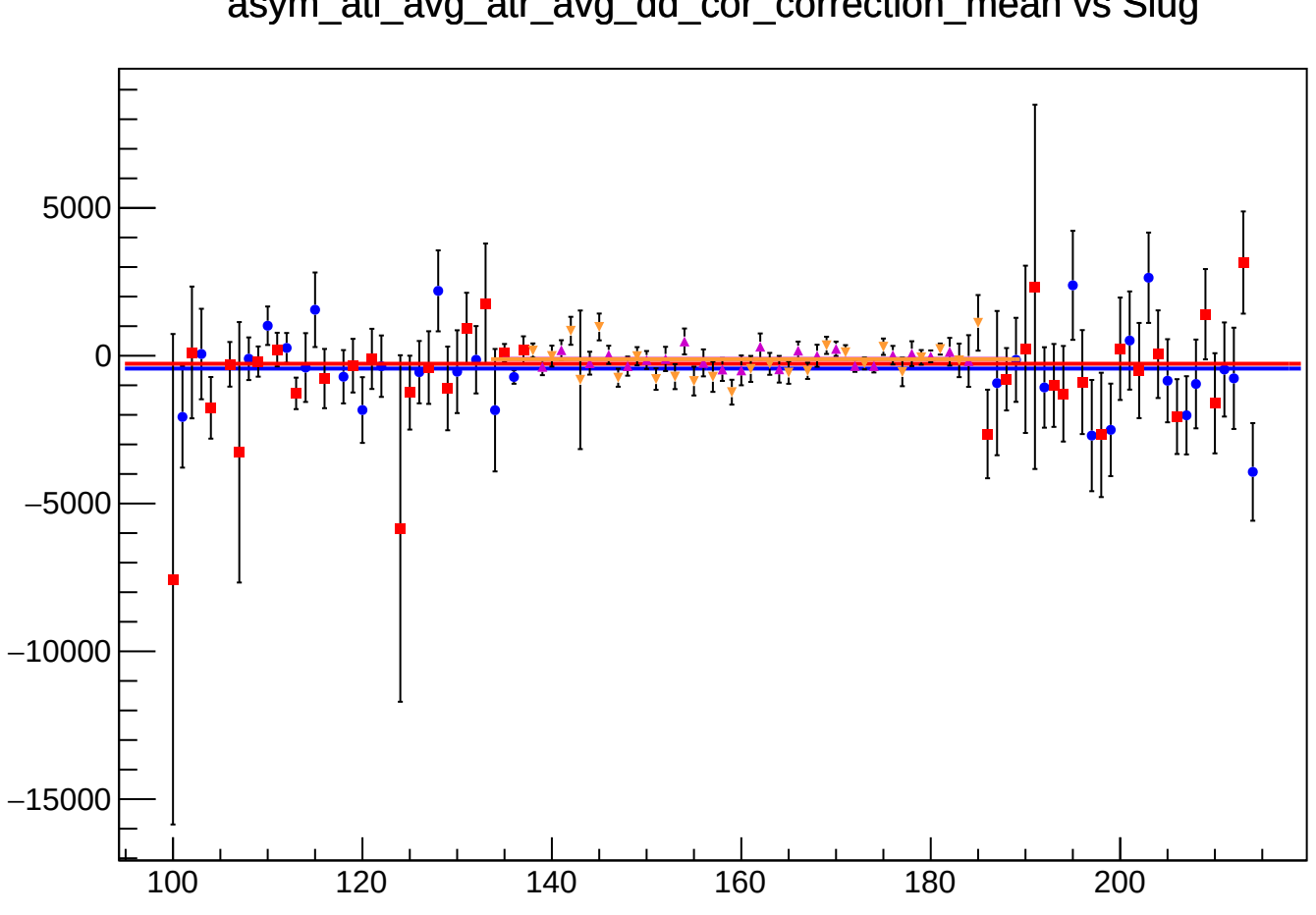
Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741042.7/54

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

- sign 1264.841+/-0.148 χ^2/NDF: 564079.9/56



Right In: -434.227+/-156.290 χ^2/NDF: 34.4/29

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

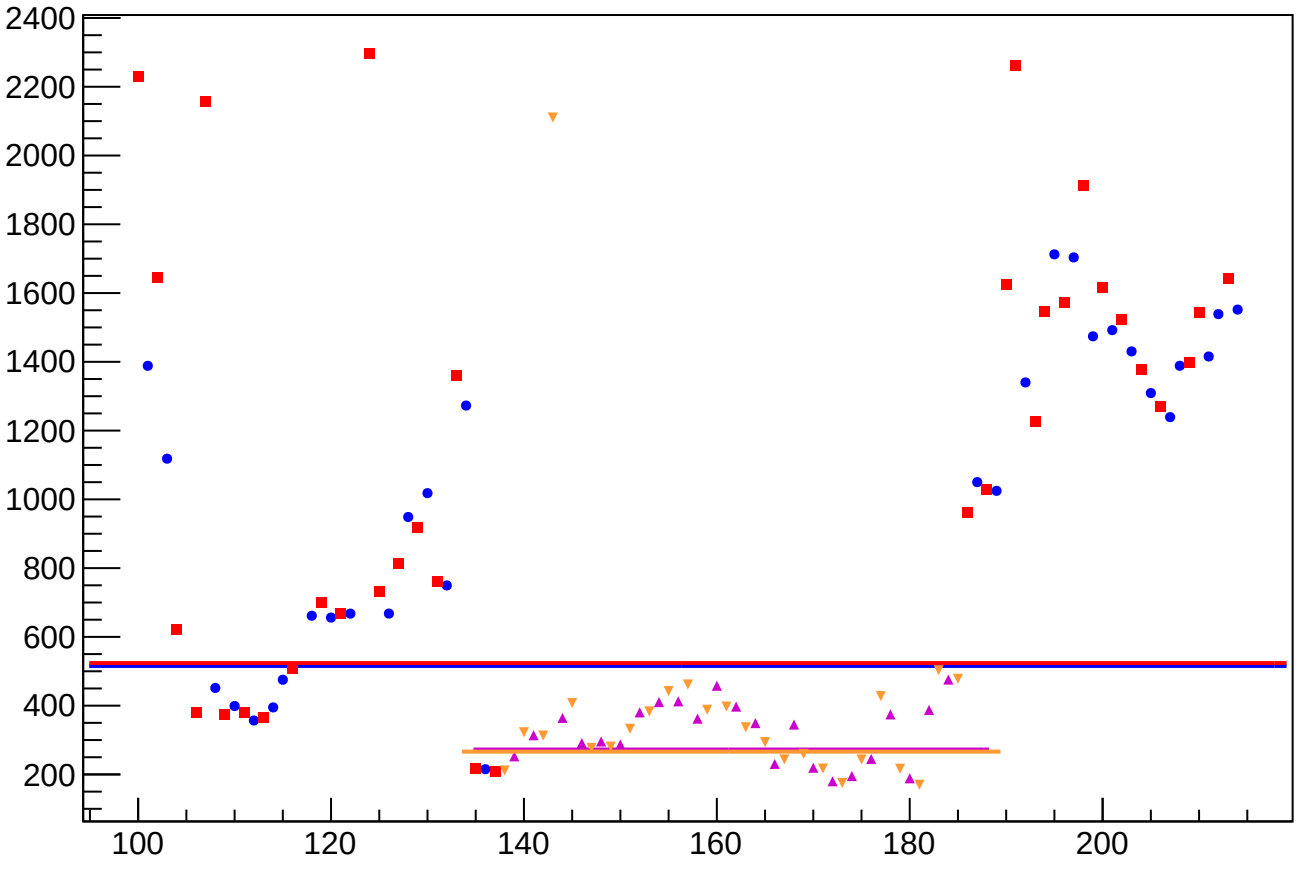
Right Out: -270.932+/-156.743 χ^2/NDF: 27.2/33

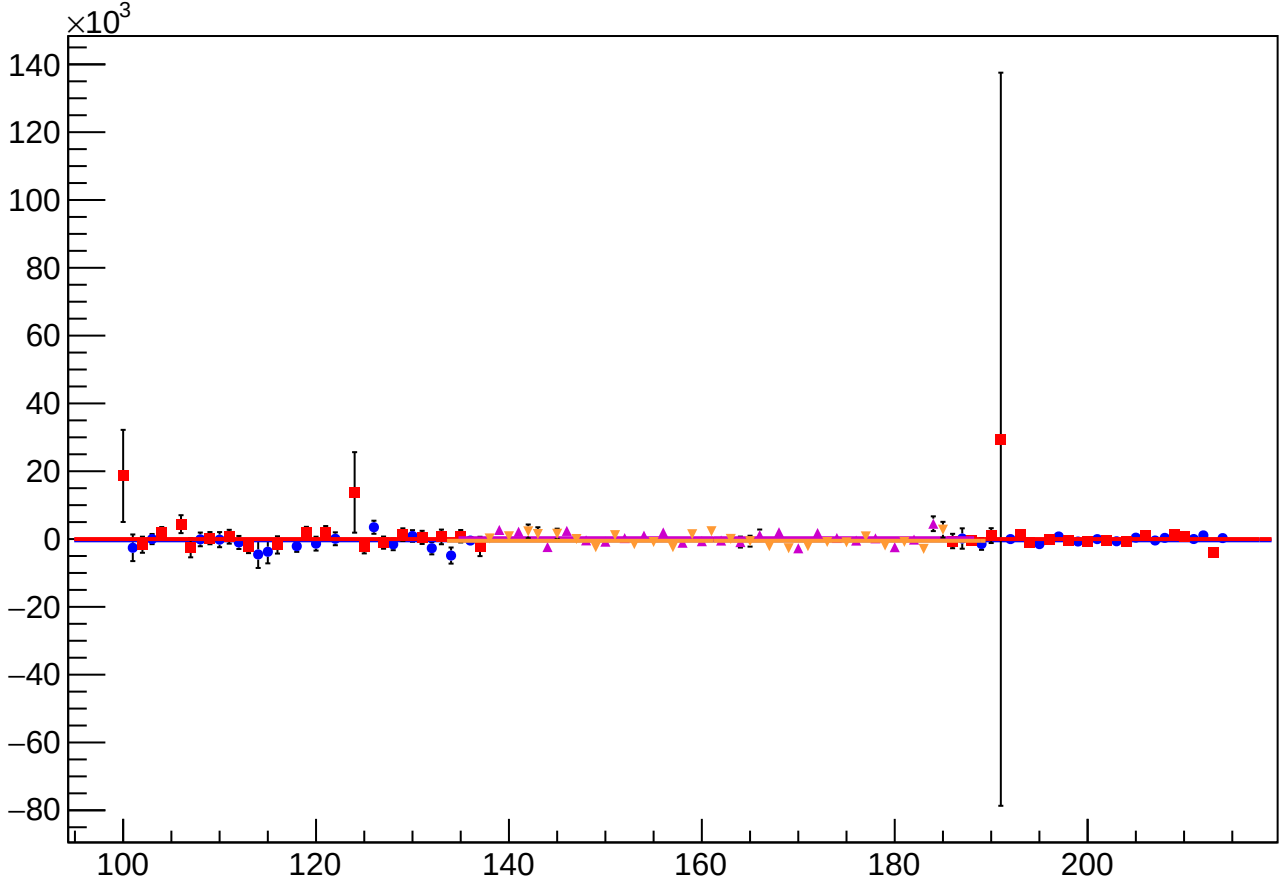
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -163.854+/-60.064 χ^2/NDF: 86.4/54

All: -148.680+/-43.008 χ^2/NDF: 128.3/111

\- sign -132.715+/-61.610 χ^2/NDF: 41.8/56


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 515.510+/-0.111 χ²/NDF: 14490917.6/29
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 523.914+/-0.111 χ²/NDF: 14579020.0/33
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
+ sign 303.129+/-0.042 χ²/NDF: 23454184.7/54
All: 307.081+/-0.030 χ²/NDF: 45293360.9/11
- sign 311.239+/-0.044 χ²/NDF: 21821408.2/56



Right In: -375.303+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2/NDF: 29.8/33

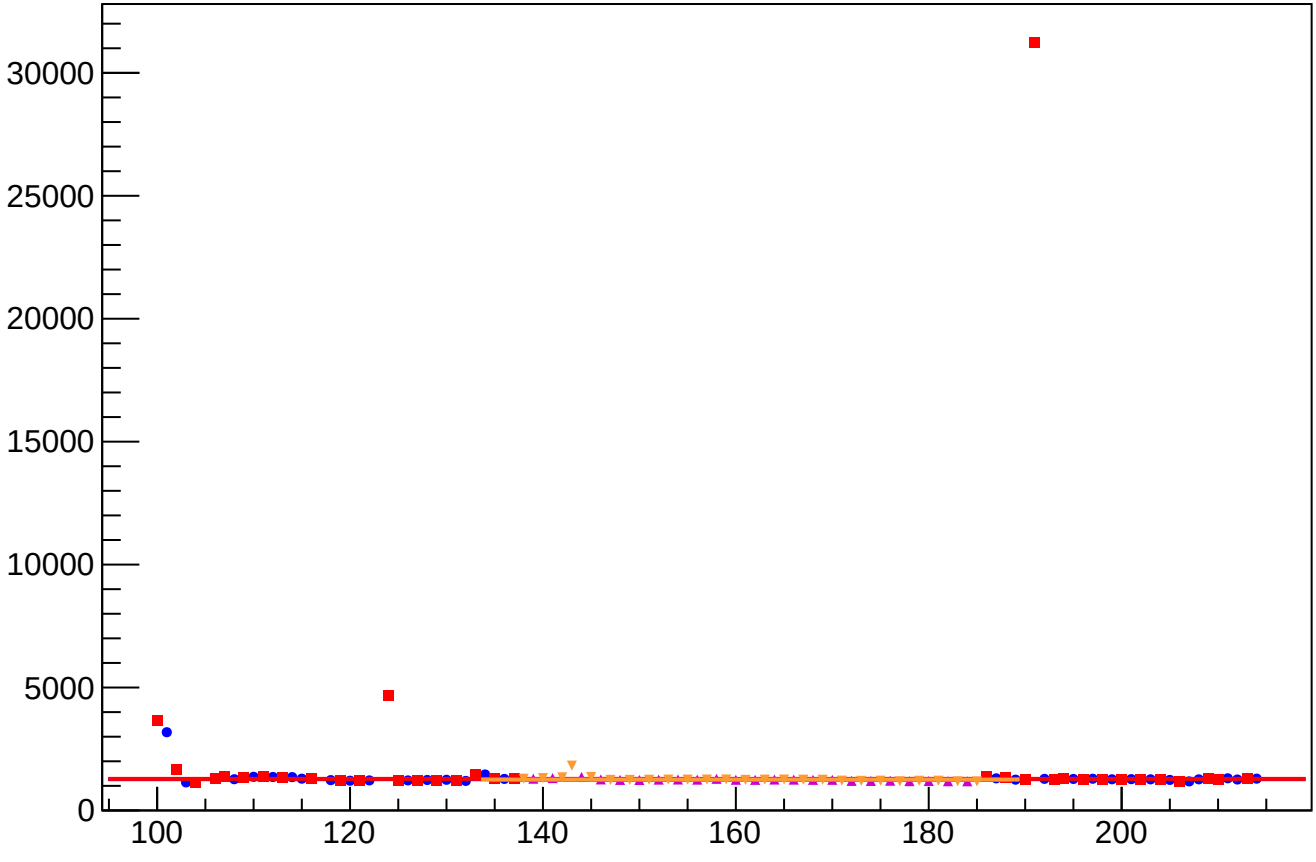
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -448.145+/-206.903 χ^2/NDF: 49.2/54

All: -165.629+/-146.945 χ^2/NDF: 115.2/111

- sign 121.901+/-208.731 χ^2/NDF: 62.2/56

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534158.6/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

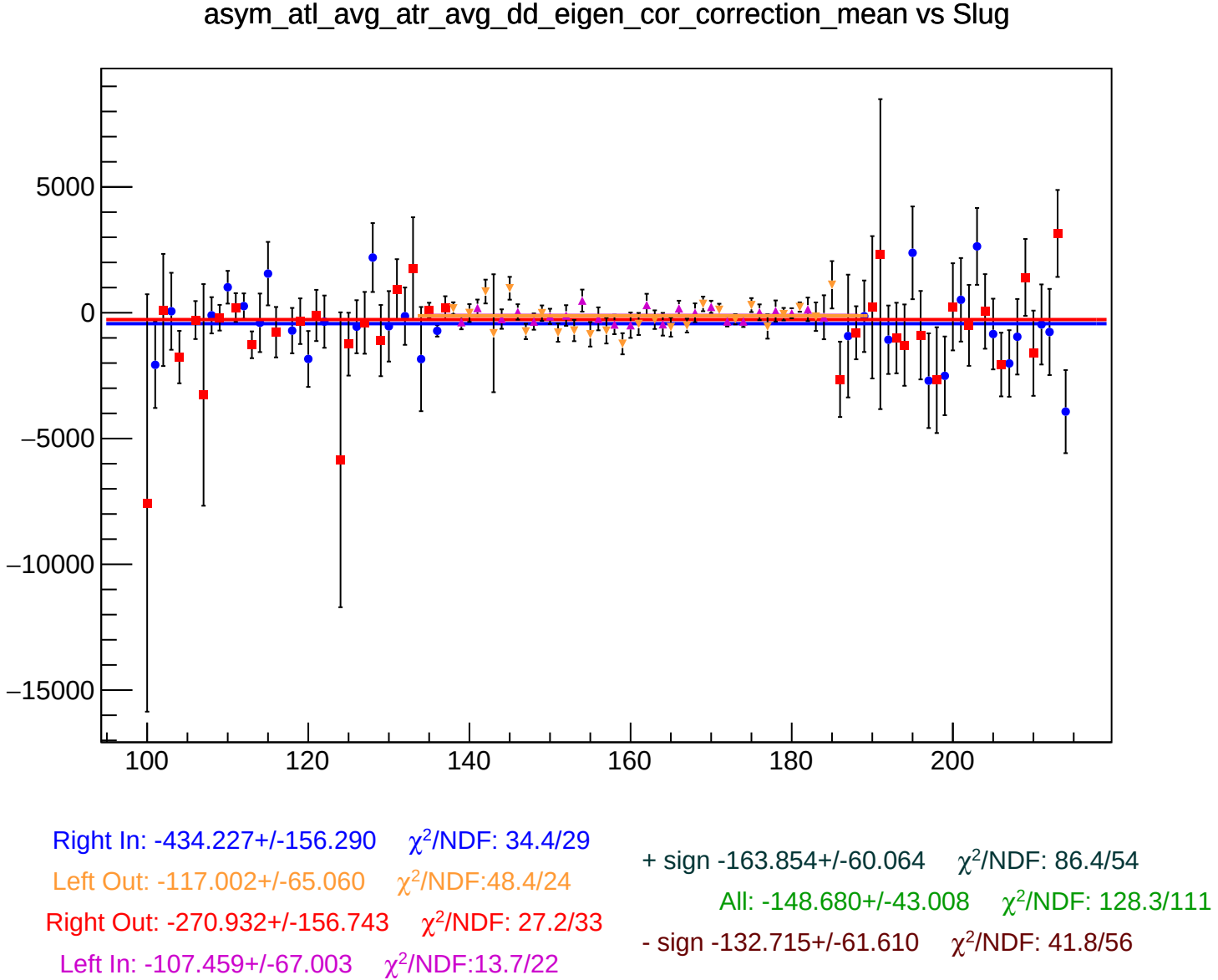
Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

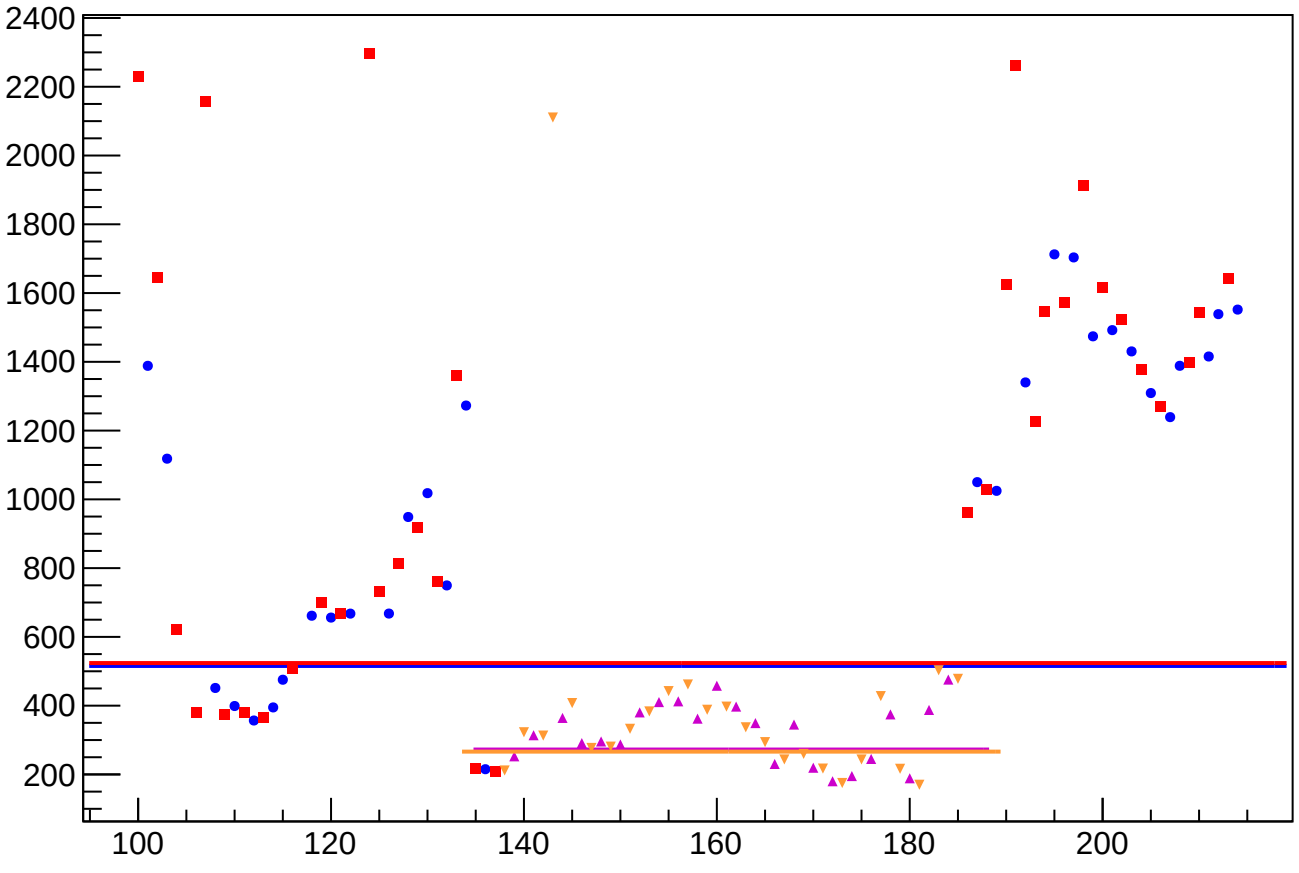
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741042.7/54

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

- sign 1264.841+/-0.148 χ^2/NDF: 564079.9/56


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -434.227+/-156.290 χ²/NDF: 34.4/29
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -270.932+/-156.743 χ²/NDF: 27.2/33
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -163.854+/-60.064 χ²/NDF: 86.4/54
All: -148.680+/-43.008 χ²/NDF: 128.3/111
- sign -132.715+/-61.610 χ²/NDF: 41.8/56



Right In: 515.510+/-0.111 χ^2/NDF: 14490917.6/29

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

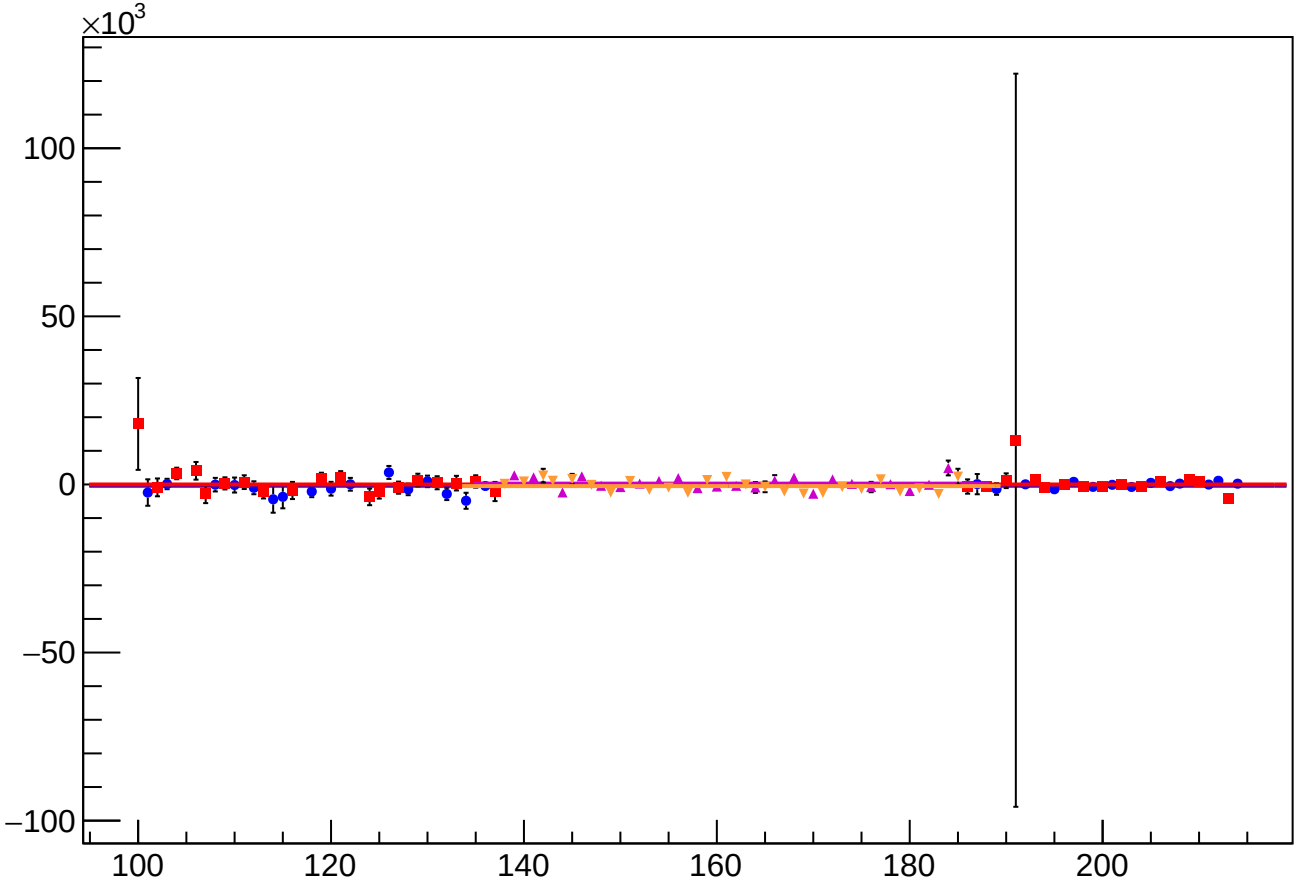
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 303.129+/-0.042 χ^2/NDF: 23454184.7/54

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/11

- sign 311.239+/-0.044 χ^2/NDF: 21821408.2/56

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -373.036+/-300.583 χ^2/NDF: 18.1/29

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF: 31.8/33

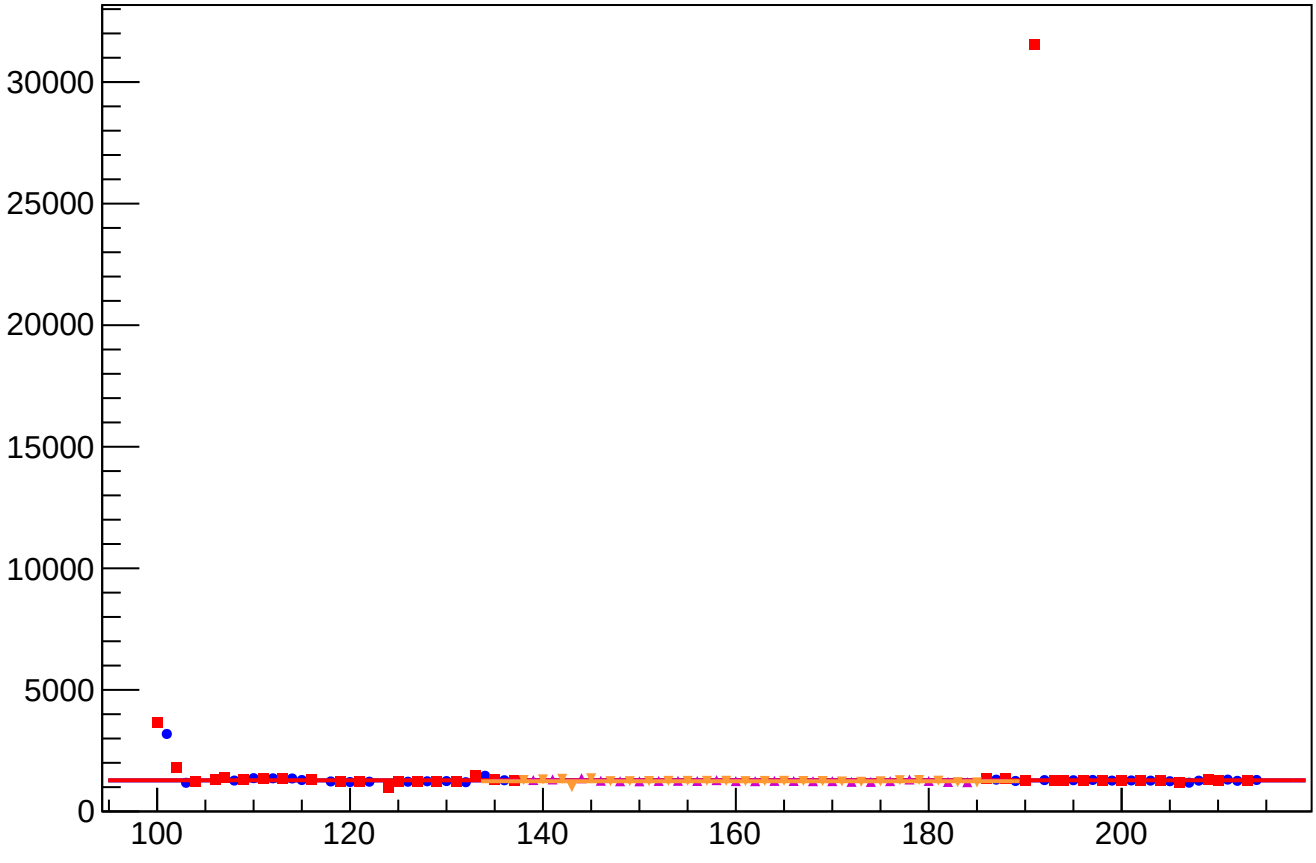
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -436.917+/-205.944 χ^2/NDF: 52.4/54

All: -165.053+/-146.938 χ^2/NDF: 118.8/111

- sign 116.841+/-209.709 χ^2/NDF: 62.9/56

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.081+/-0.213 χ^2/NDF: 526736.1/29

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

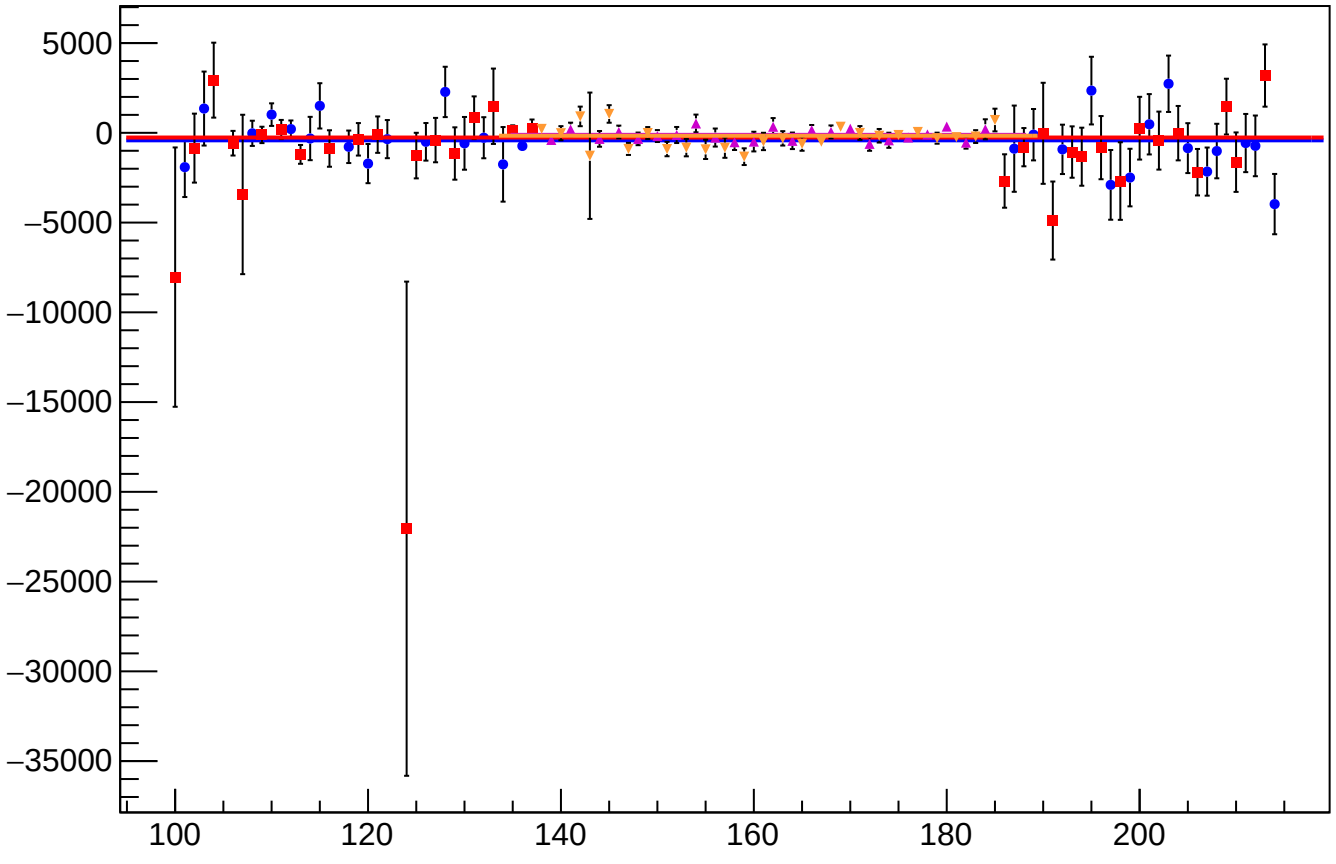
Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.2/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.754+/-0.146 χ^2/NDF: 670772.1/54

All: 1264.752+/-0.104 χ^2/NDF: 1095770.4/11

- sign 1270.971+/-0.148 χ^2/NDF: 421543.2/56



Right In: -417.692+/-157.935 χ^2/NDF: 35.0/29

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

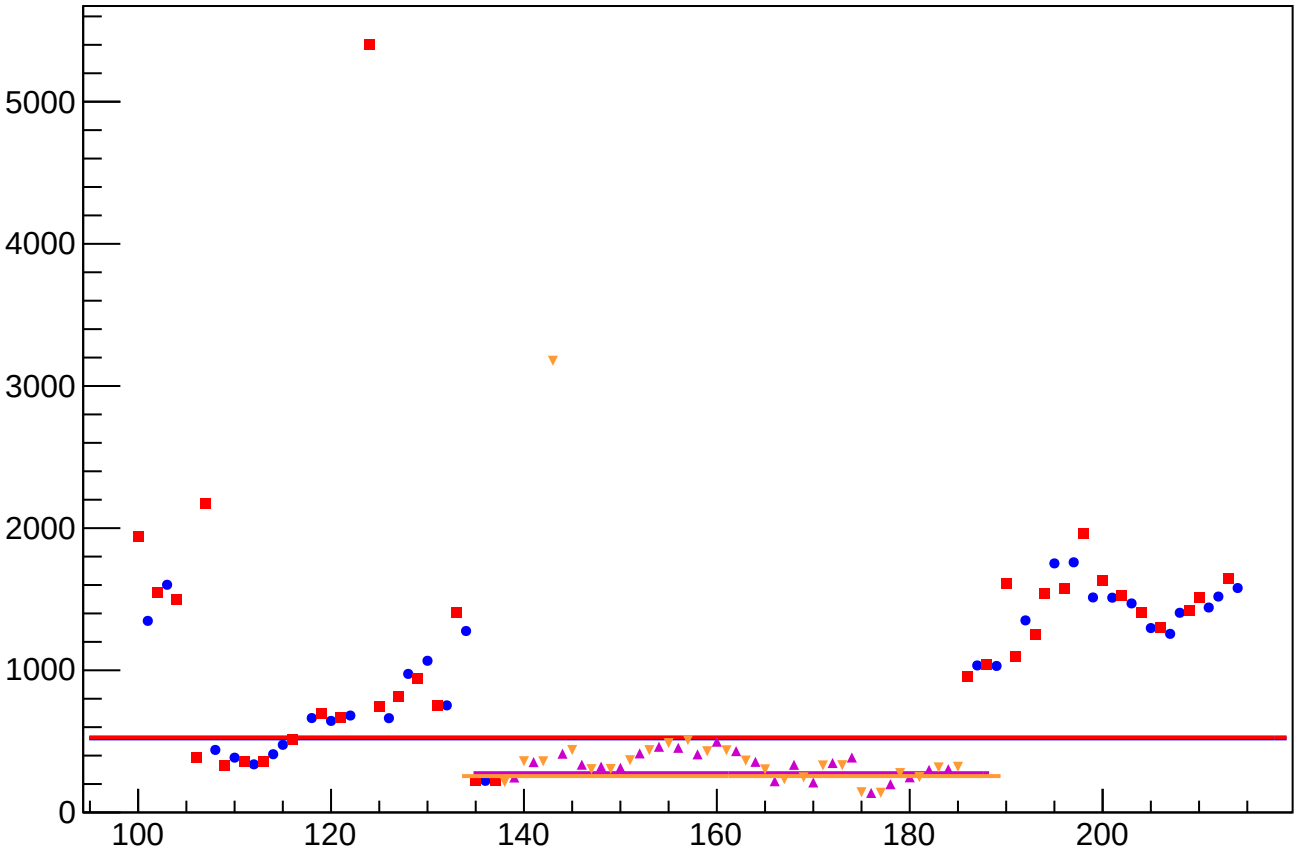
Right Out: -261.636+/-156.804 χ^2/NDF: 34.0/33

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -197.275+/-59.420 χ^2/NDF: 81.0/54

All: -169.208+/-43.238 χ^2/NDF: 134.5/111

\- sign -137.624+/-63.033 χ^2/NDF: 52.9/56



Right In: 521.154+/-0.112 χ^2/NDF: 14633249.5/29

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

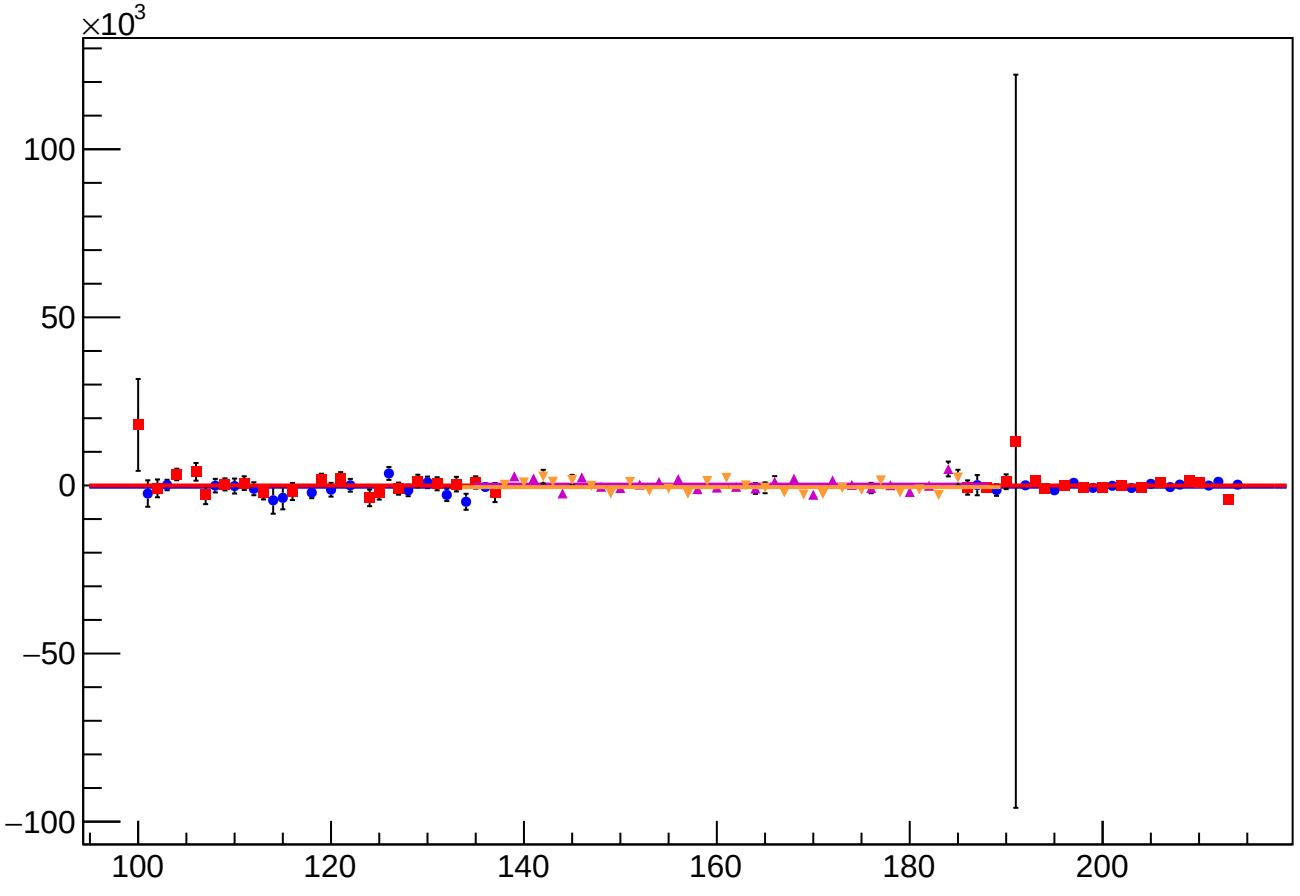
Right Out: 527.966+/-0.111 χ^2/NDF: 15088720.3/33

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 293.334+/-0.042 χ^2/NDF: 25854984.5/54

All: 304.454+/-0.031 χ^2/NDF: 49439367.2/11

- sign 316.967+/-0.045 χ^2/NDF: 23435531.7/56



Right In: -373.035+/-300.583 χ^2/NDF: 18.1/29

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF: 31.8/33

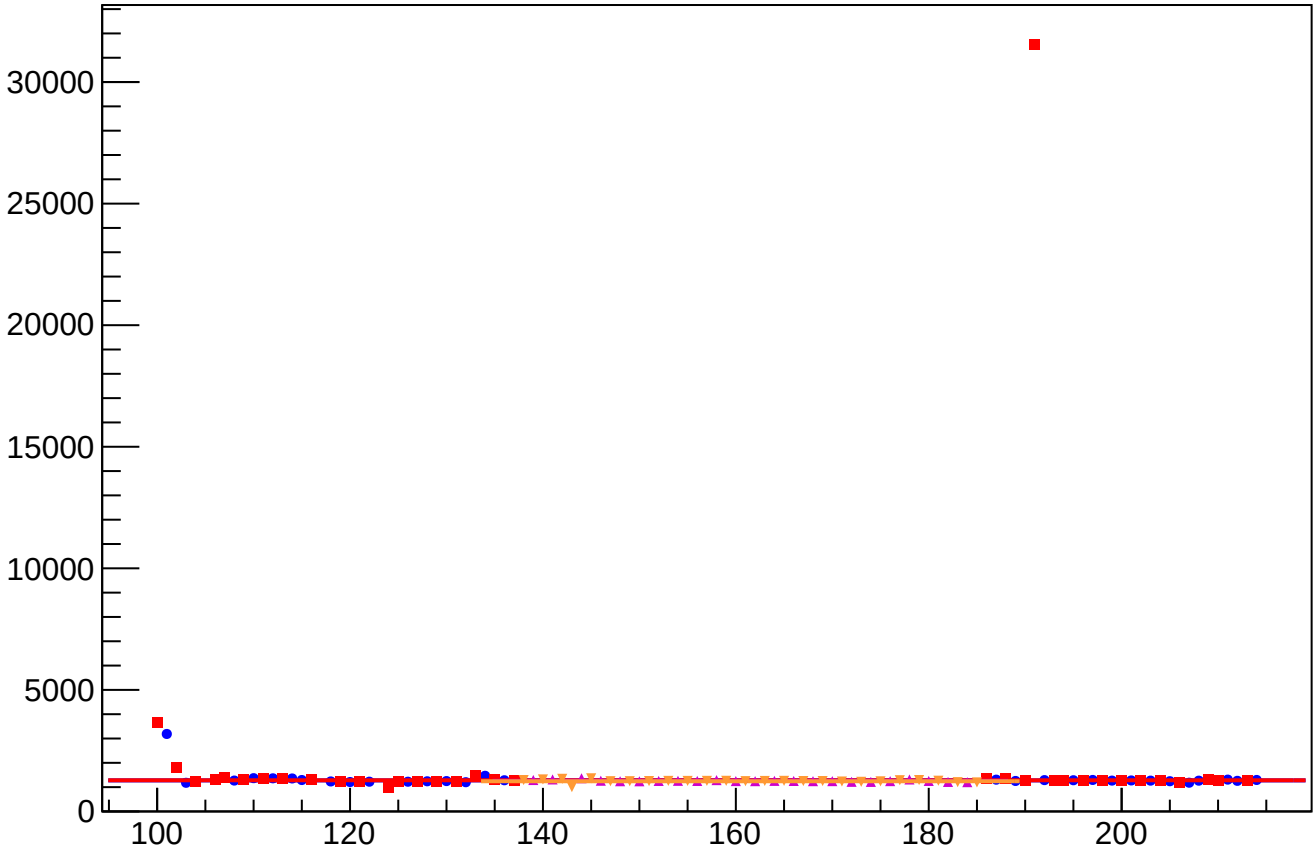
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -436.916+/-205.944 χ^2/NDF: 52.4/54

All: -165.052+/-146.938 χ^2/NDF: 118.8/111

- sign 116.841+/-209.709 χ^2/NDF: 62.9/56

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1277.081+/-0.213 χ^2/NDF: 526736.1/29

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

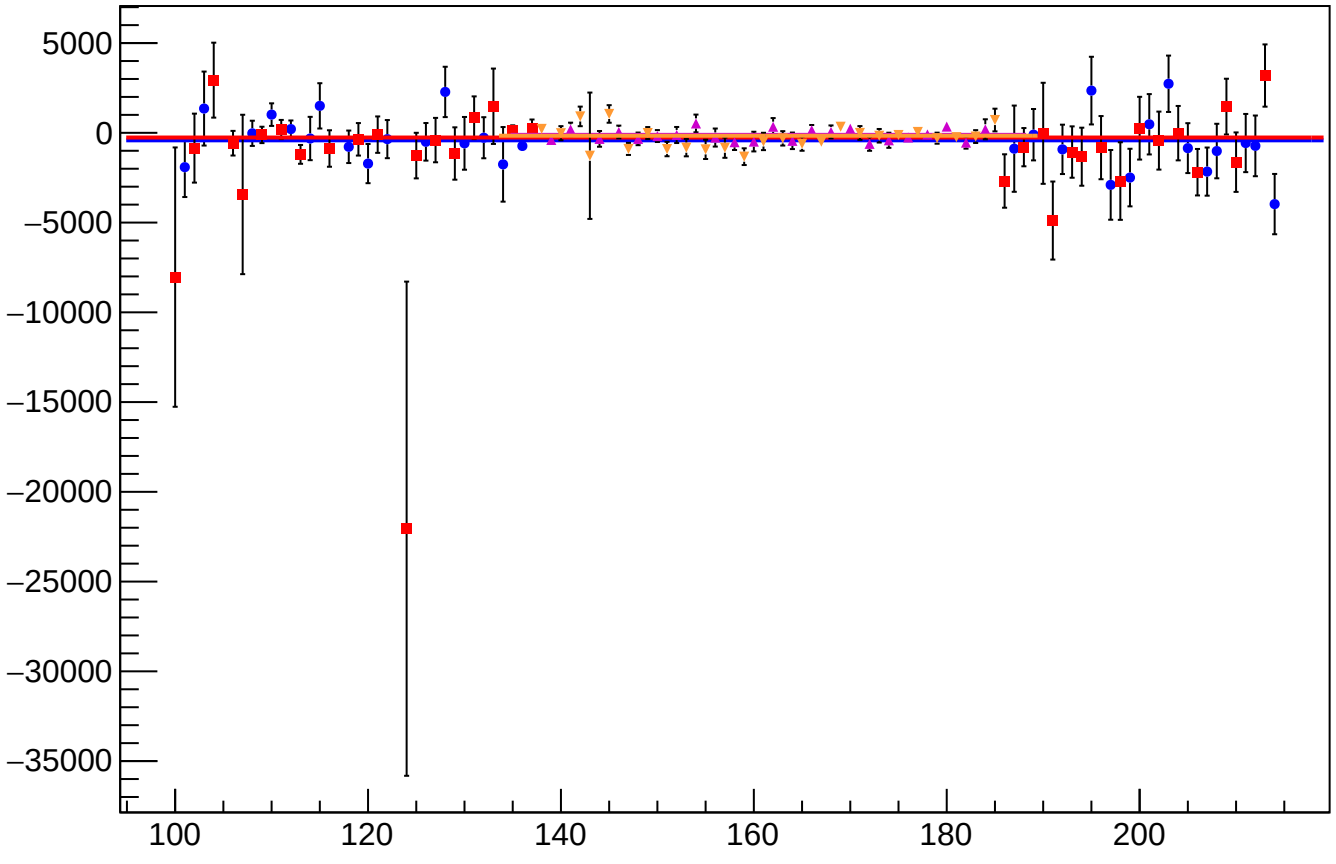
Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.5/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.754+/-0.146 χ^2/NDF: 670771.2/54

All: 1264.752+/-0.104 χ^2/NDF: 1095769.9/11

- sign 1270.971+/-0.148 χ^2/NDF: 421543.6/56



Right In: -417.694+/-157.937 χ^2/NDF: 35.0/29

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

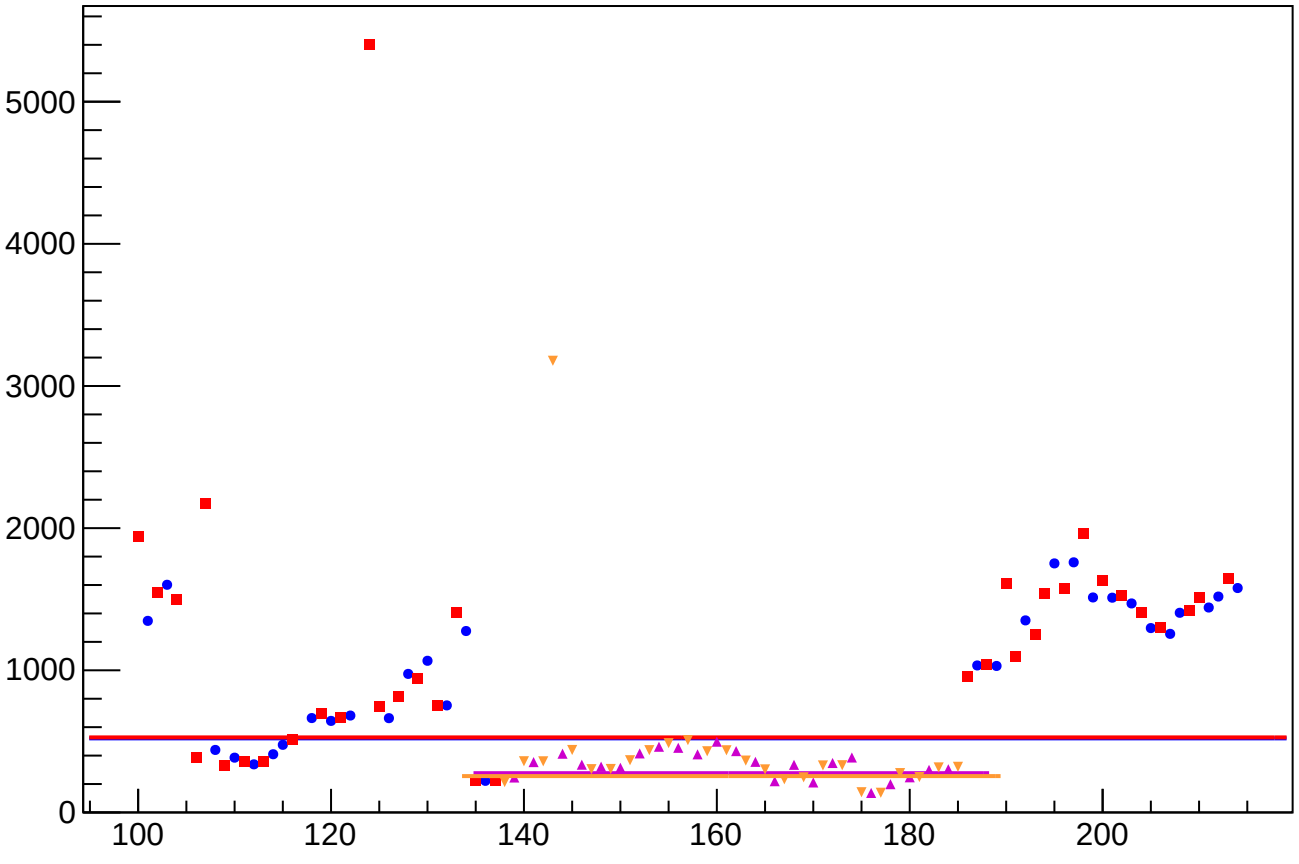
Right Out: -261.643+/-156.806 χ^2/NDF: 34.0/33

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -197.278+/-59.421 χ^2/NDF: 81.0/54

All: -169.209+/-43.238 χ^2/NDF: 134.5/111

- sign -137.623+/-63.034 χ^2/NDF: 52.9/56



Right In: 521.167+/-0.112 χ^2/NDF: 14632825.3/29

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

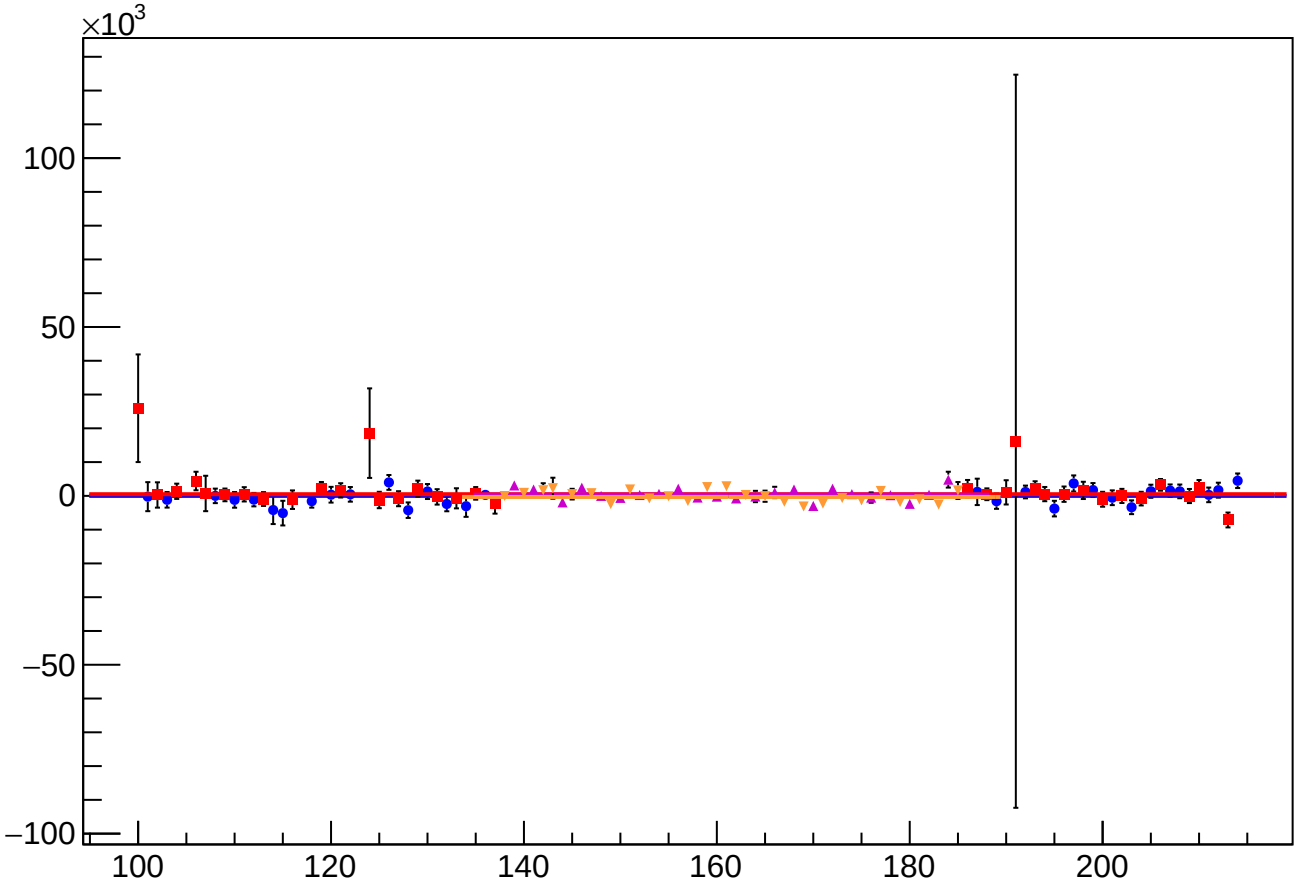
Right Out: 527.976+/-0.111 χ^2/NDF: 15088395.3/33

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 293.336+/-0.042 χ^2/NDF: 25854752.8/54

All: 304.456+/-0.031 χ^2/NDF: 49438999.0/11

- sign 316.968+/-0.045 χ^2/NDF: 23435407.8/56



Right In: 4.597+/-402.625 χ^2/NDF: 29.8/29

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 497.038+/-403.674 χ^2/NDF: 29.2/33

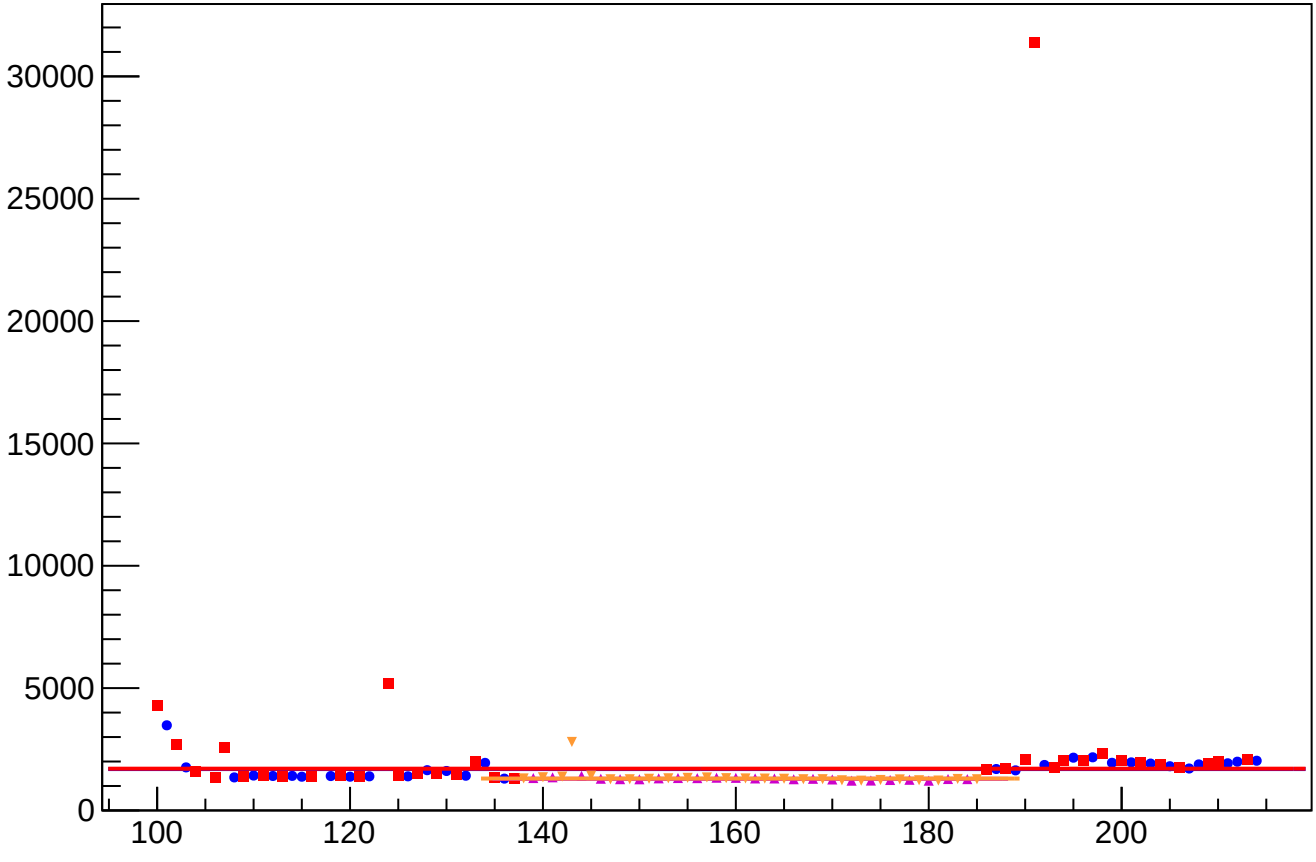
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -204.816+/-239.669 χ^2/NDF: 61.8/54

All: 98.346+/-170.208 χ^2/NDF: 123.9/111

- sign 406.839+/-241.767 χ^2/NDF: 58.9/56

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1691.774+/-0.285 χ^2/NDF: 1252739.4/29

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

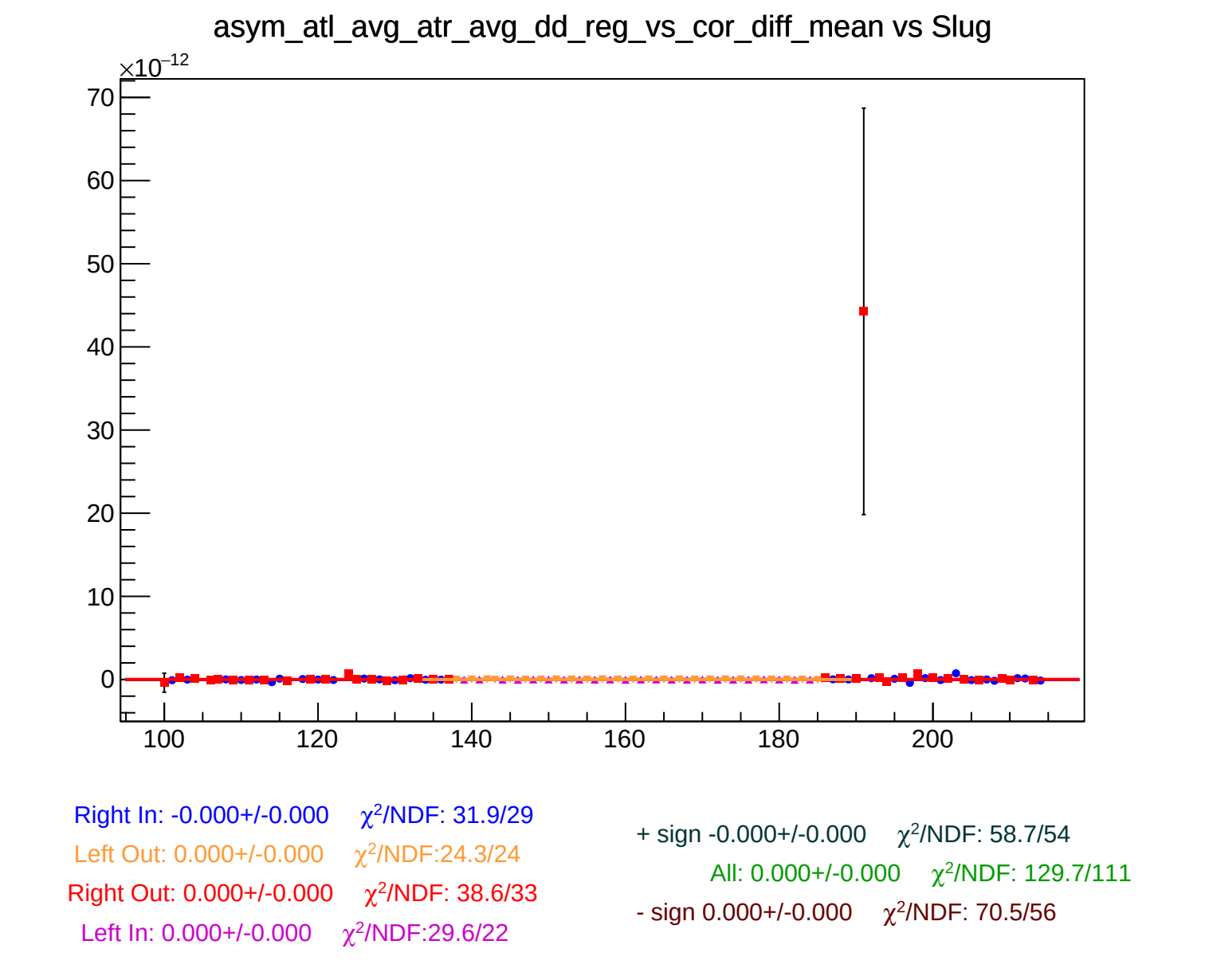
Right Out: 1706.944+/-0.285 χ^2/NDF: 1505353.2/33

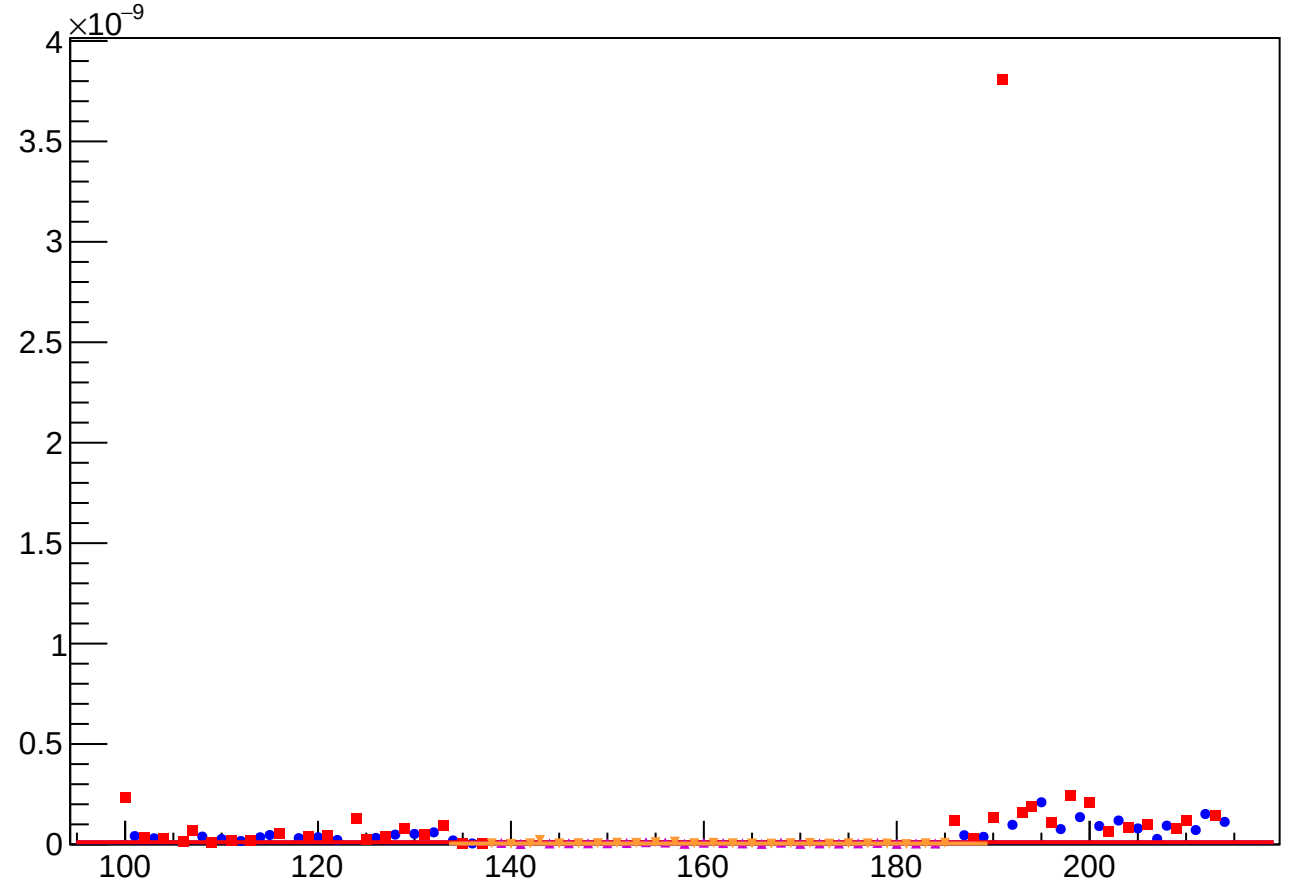
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1441.506+/-0.169 χ^2/NDF: 2969195.9/54

All: 1441.215+/-0.120 χ^2/NDF: 5877315.3/11

- sign 1440.920+/-0.171 χ^2/NDF: 2908113.5/56


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
Right In: -0.000+/-0.000 χ²/NDF: 31.9/29
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 38.6/33
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 58.7/54
All: 0.000+/-0.000 χ²/NDF: 129.7/111
- sign 0.000+/-0.000 χ²/NDF: 70.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 9388959.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

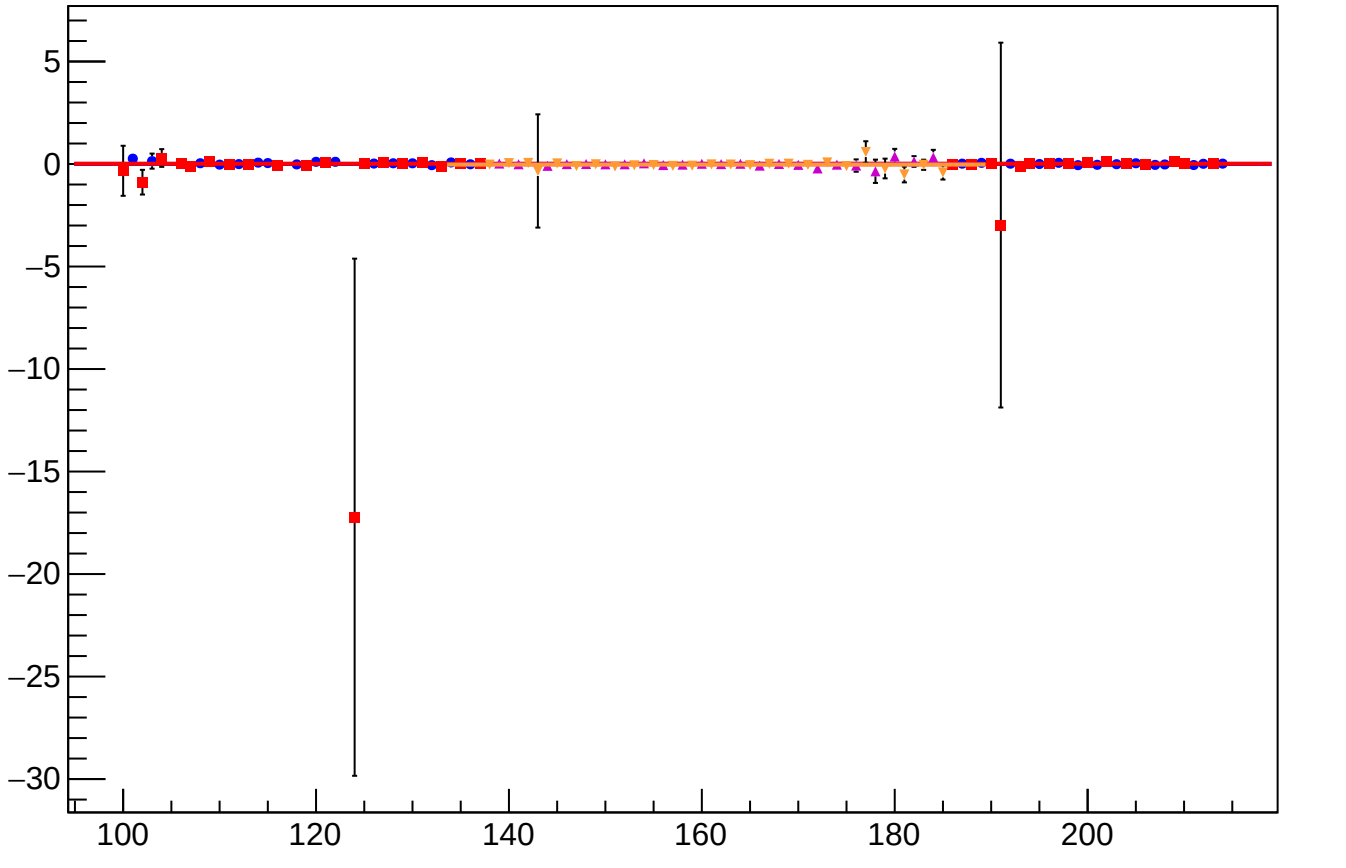
Right Out: 0.000+/-0.000 χ^2/NDF: 11325002.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13343597.6/54

All: 0.000+/-0.000 χ^2/NDF: 27744345.7/111

- sign 0.000+/-0.000 χ^2/NDF: 14376715.8/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

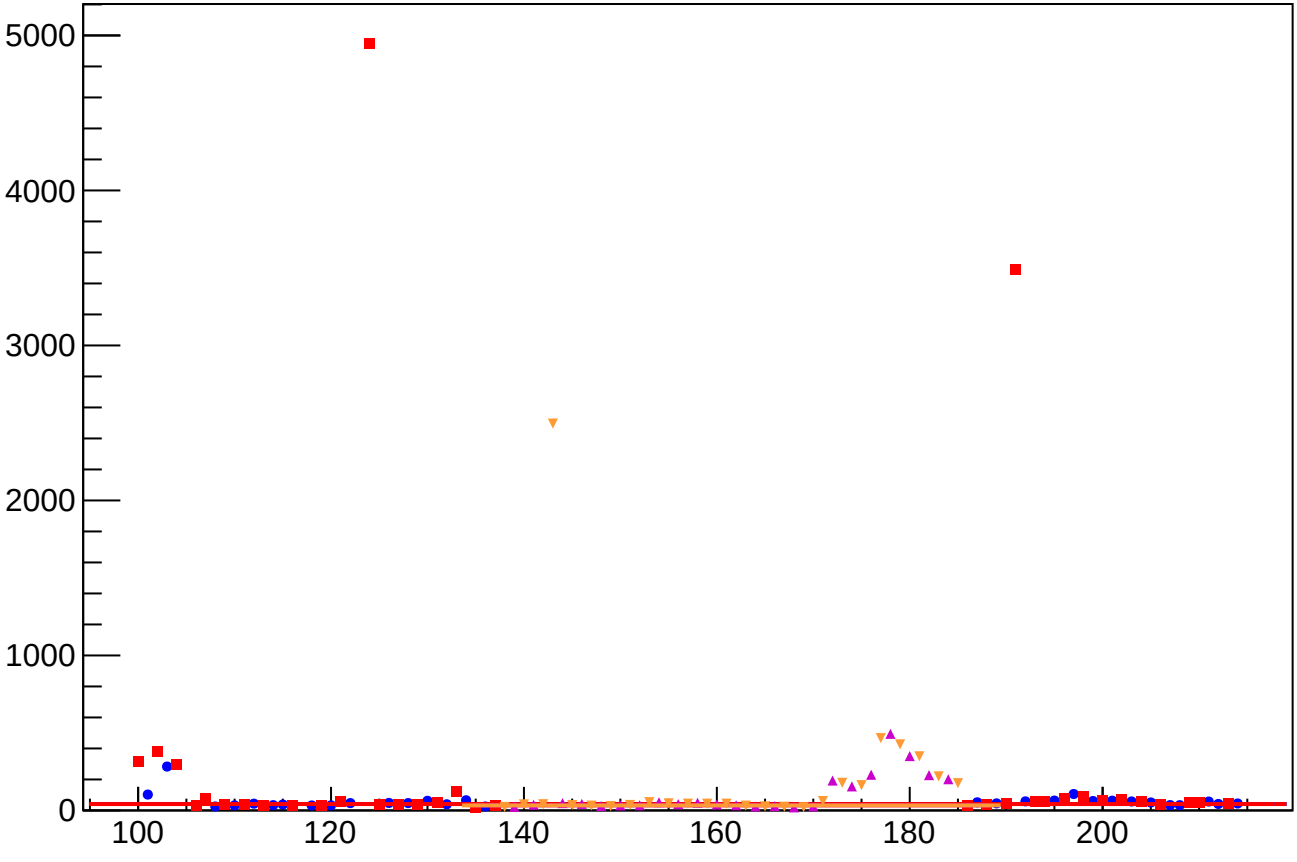
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.5/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.730+/-0.008 χ^2/NDF: 4259393.0/29

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

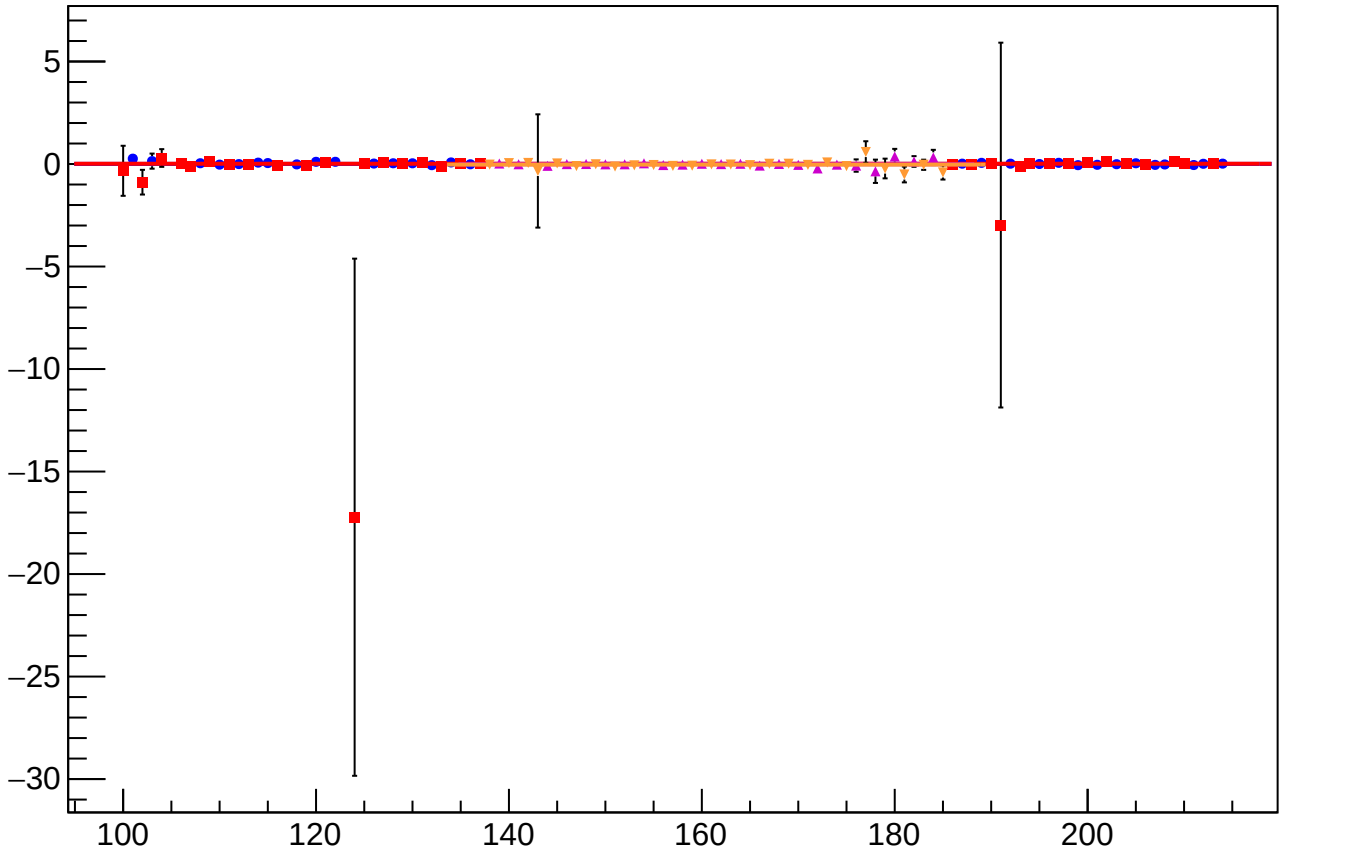
Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920288.8/54

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/11

- sign 36.380+/-0.005 χ^2/NDF: 15176196.0/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

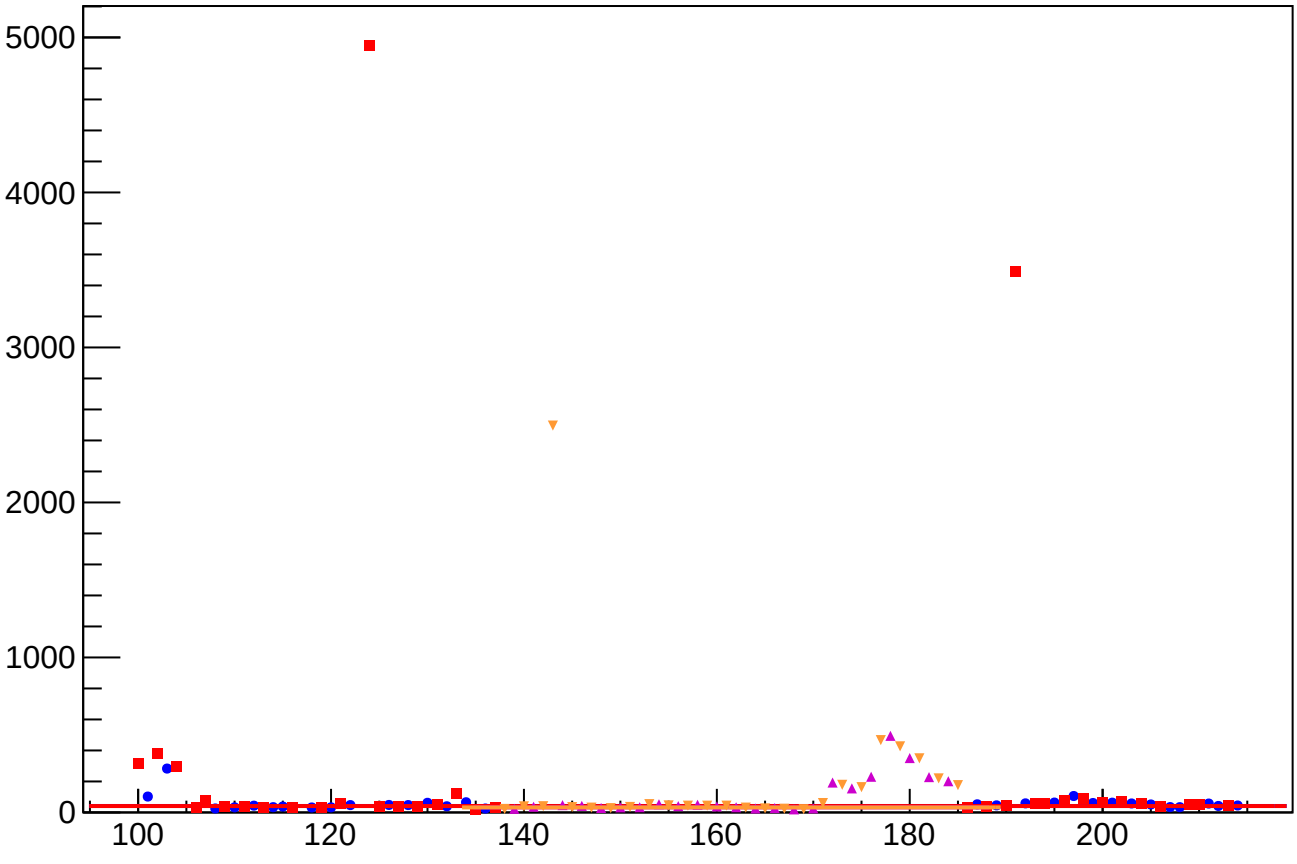
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.5/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.730+/-0.008 χ^2/NDF: 4259393.0/29

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

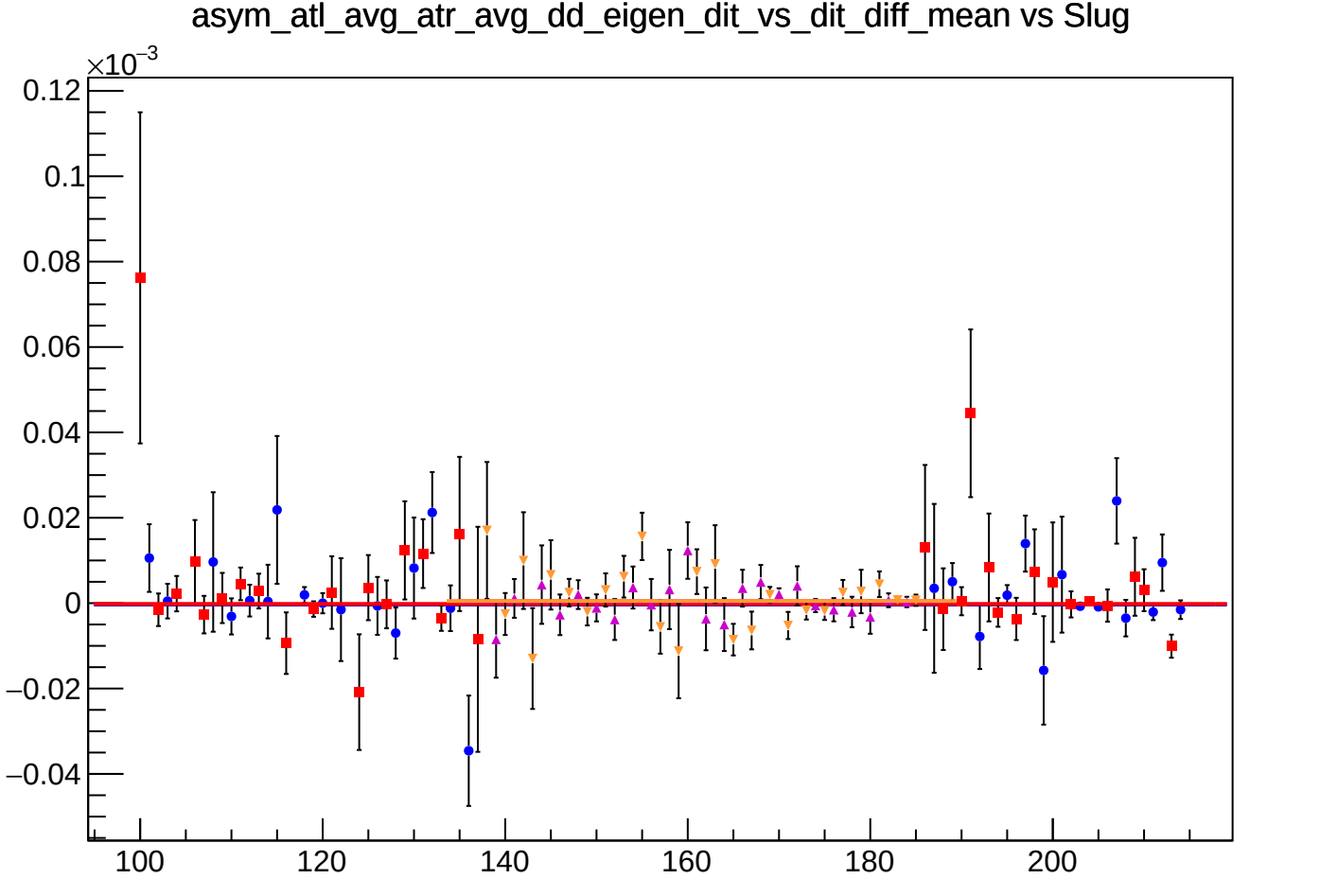
Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920288.8/54

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/11

- sign 36.380+/-0.005 χ^2/NDF: 15176196.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

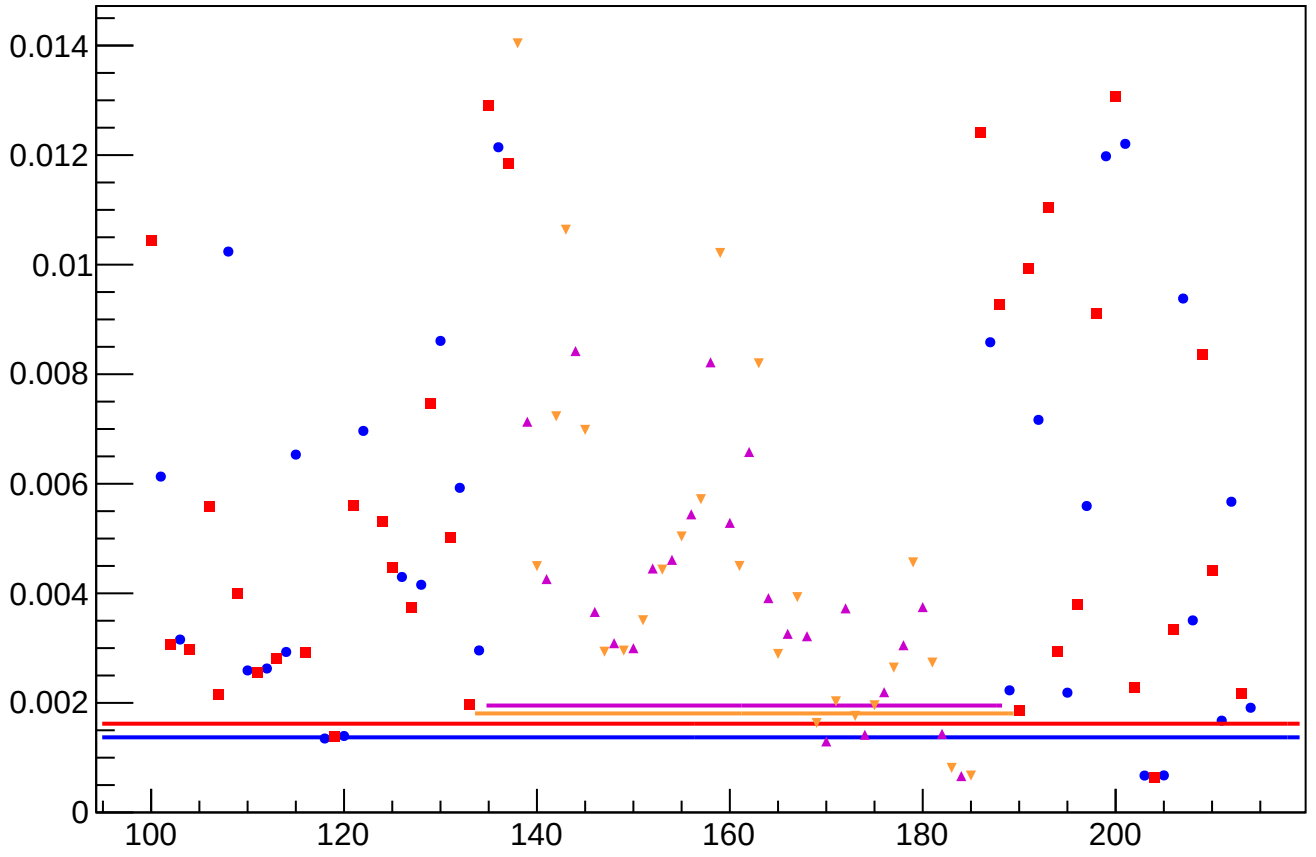
Right Out: -0.000+/-0.000 χ^2/NDF: 40.9/33

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.2/54

All: 0.000+/-0.000 χ^2/NDF: 132.4/111

- sign 0.000+/-0.000 χ^2/NDF: 55.2/56



Right In: 0.001+/-0.000 χ^2/NDF: 16941035.6/29

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

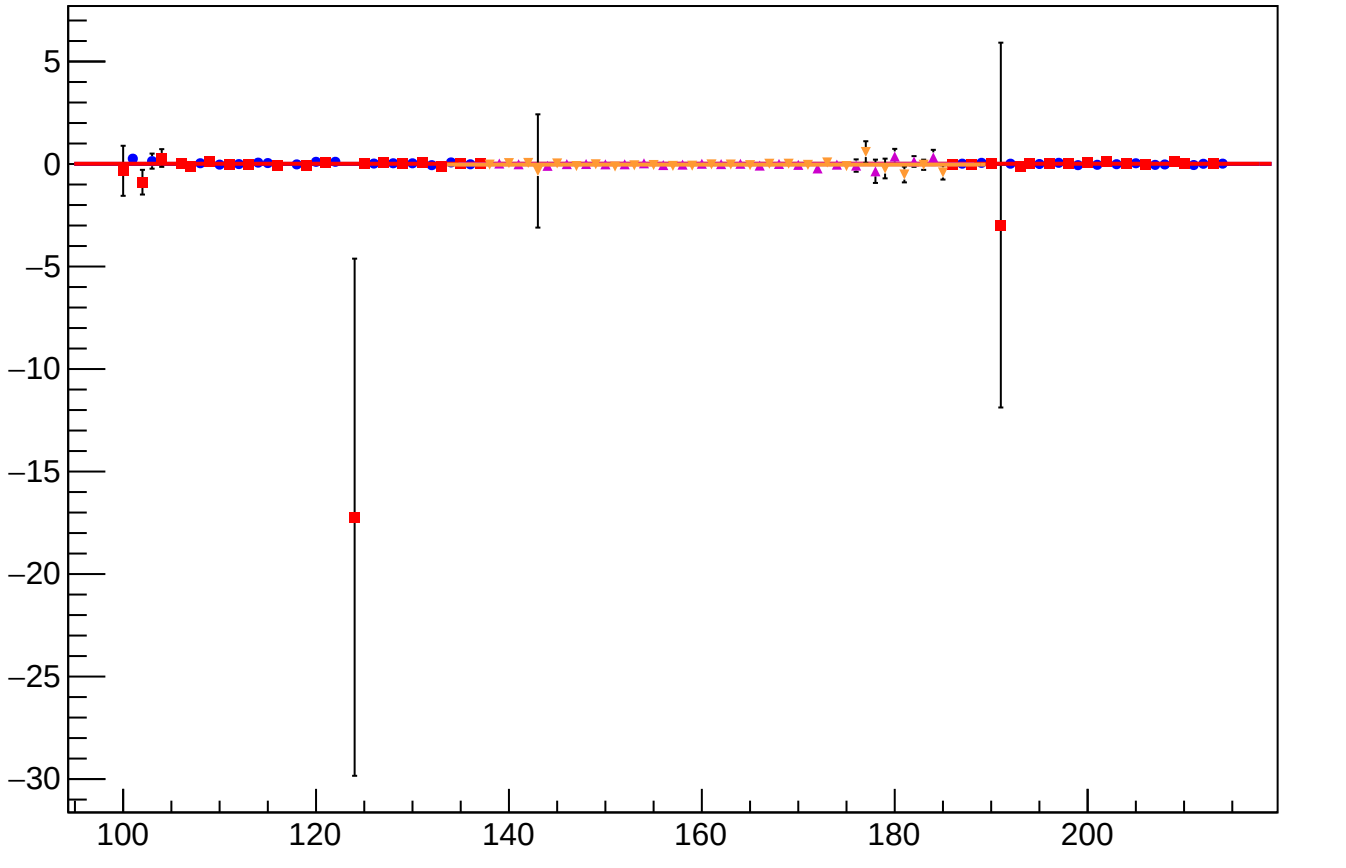
Right Out: 0.002+/-0.000 χ^2/NDF: 17282679.3/33

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 32599156.5/54

All: 0.002+/-0.000 χ^2/NDF: 62010818.6/111

- sign 0.002+/-0.000 χ^2/NDF: 29102366.0/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

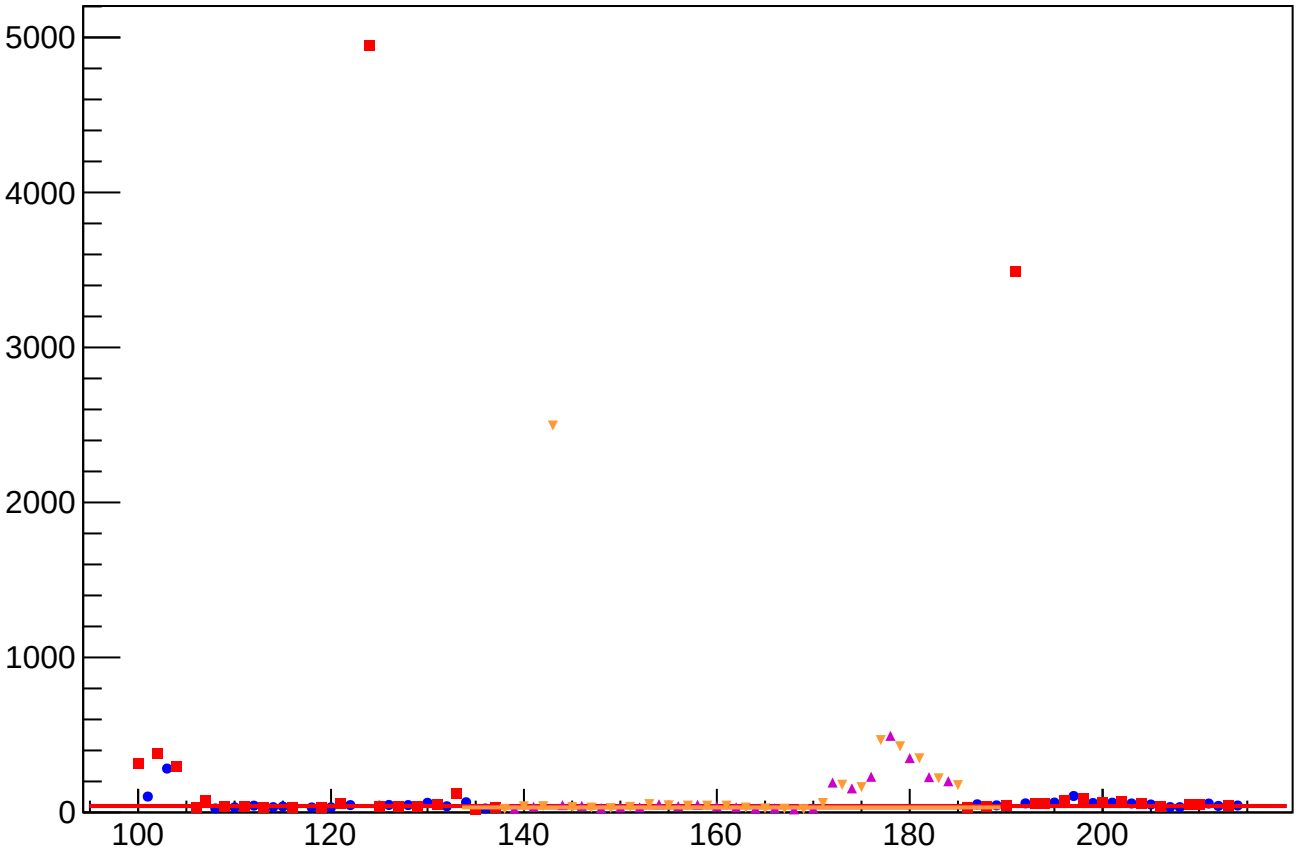
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.6/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.731+/-0.008 χ^2/NDF: 4259041.7/29

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

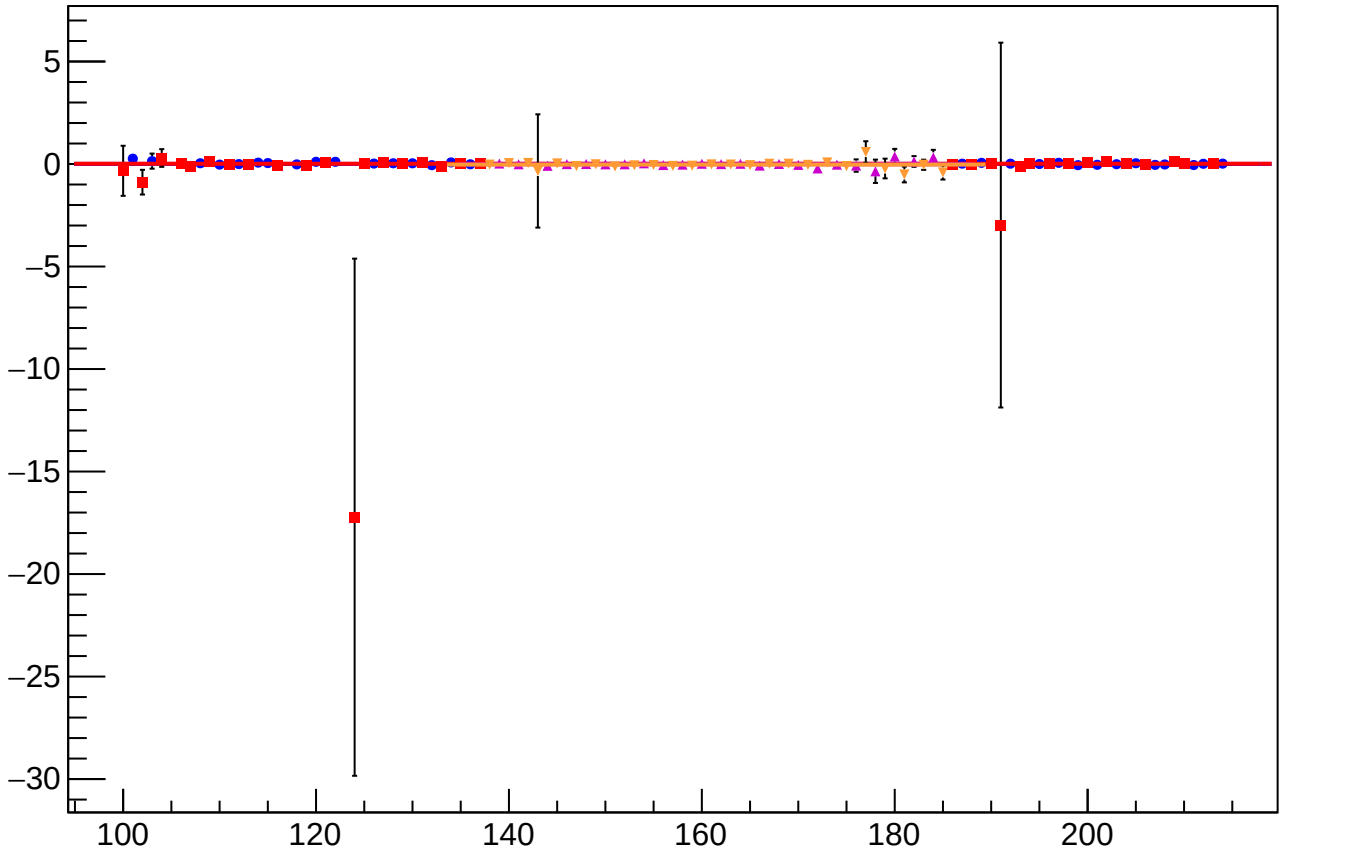
Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920259.2/54

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/11

- sign 36.379+/-0.005 χ^2/NDF: 15176858.1/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

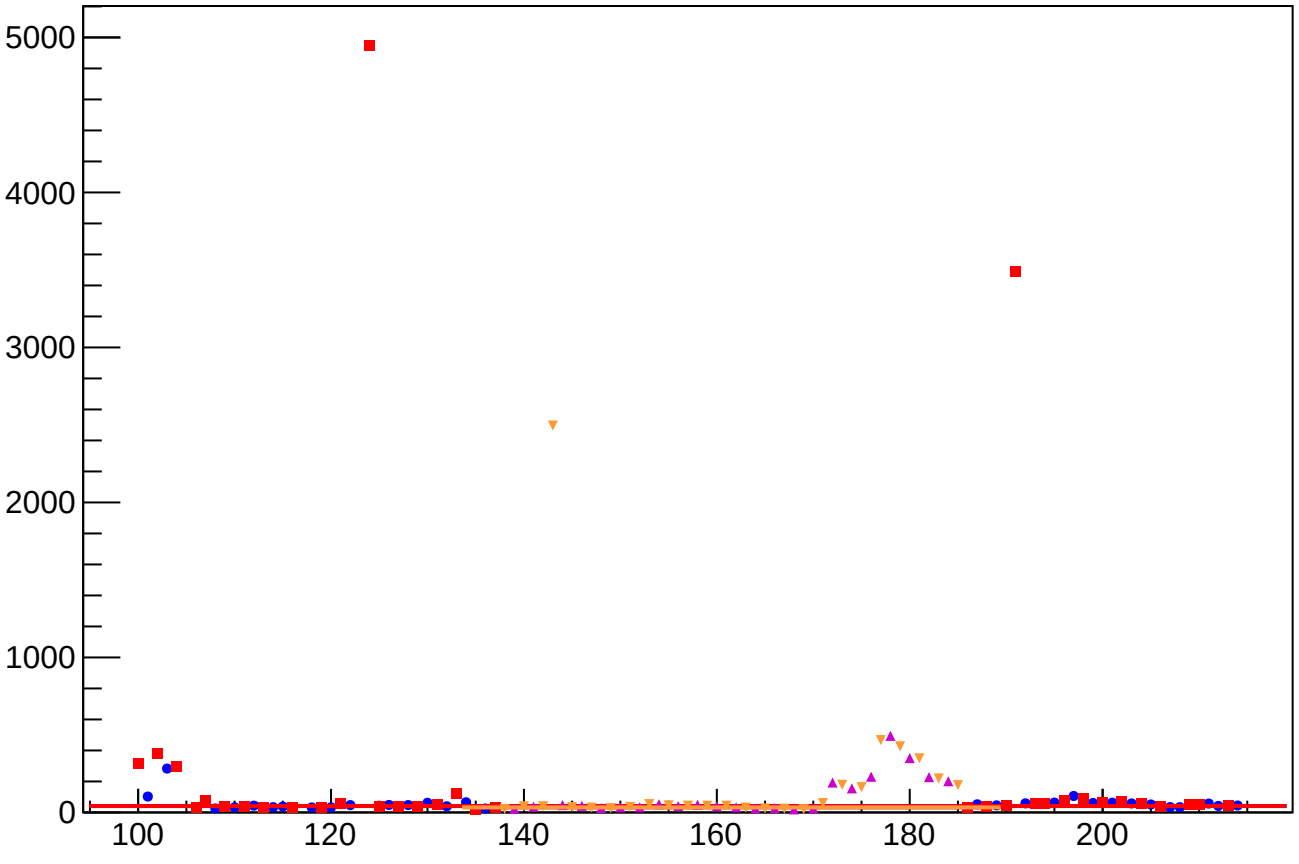
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.6/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.731+/-0.008 χ^2/NDF: 4259041.7/29

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

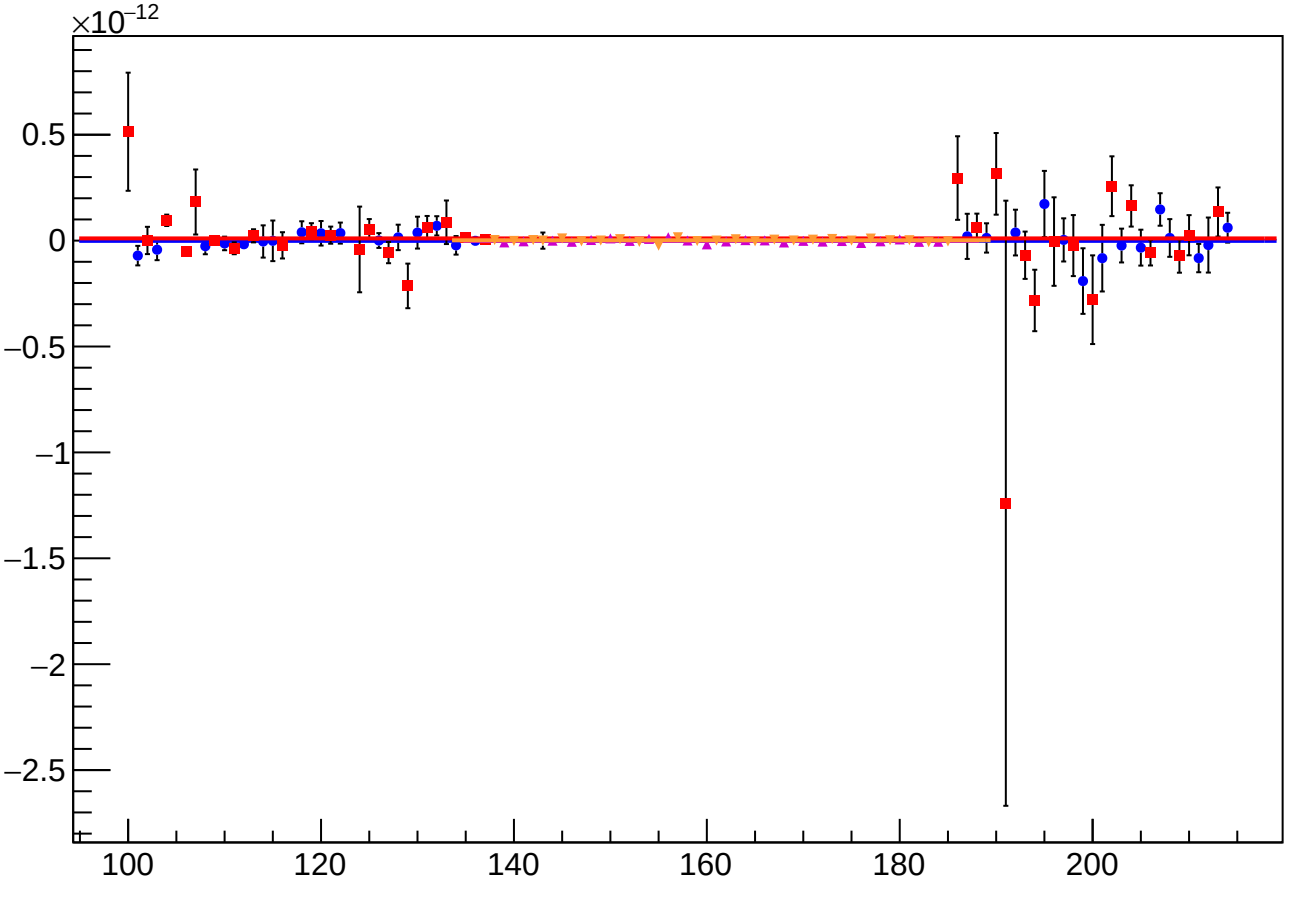
Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920259.2/54

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/11

- sign 36.379+/-0.005 χ^2/NDF: 15176858.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

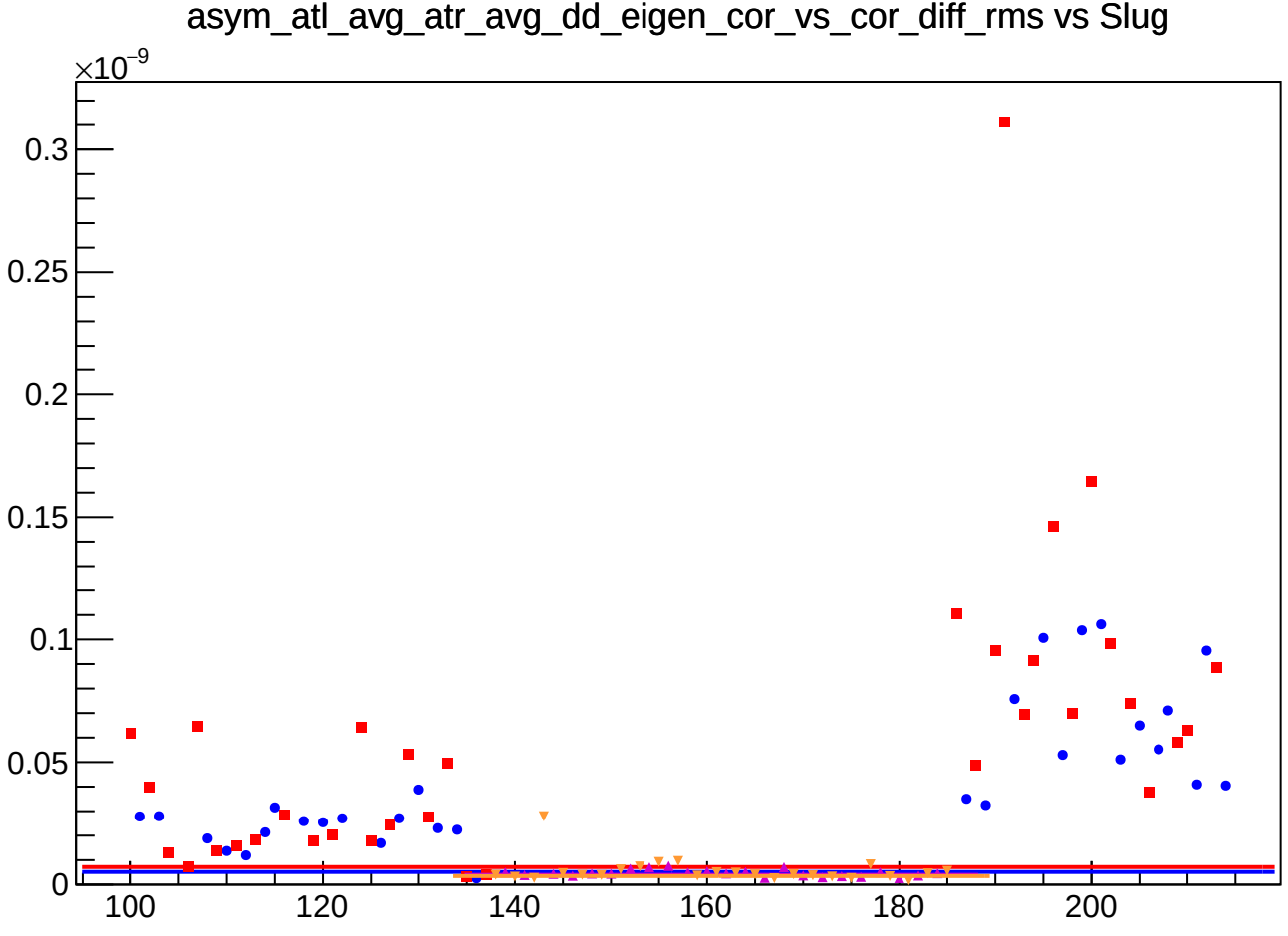
Right Out: 0.000+/-0.000 χ^2/NDF: 61.5/33

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/54

All: 0.000+/-0.000 χ^2/NDF: 135.4/111

- sign -0.000+/-0.000 χ^2/NDF: 97.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 15030281.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15413887.2/33

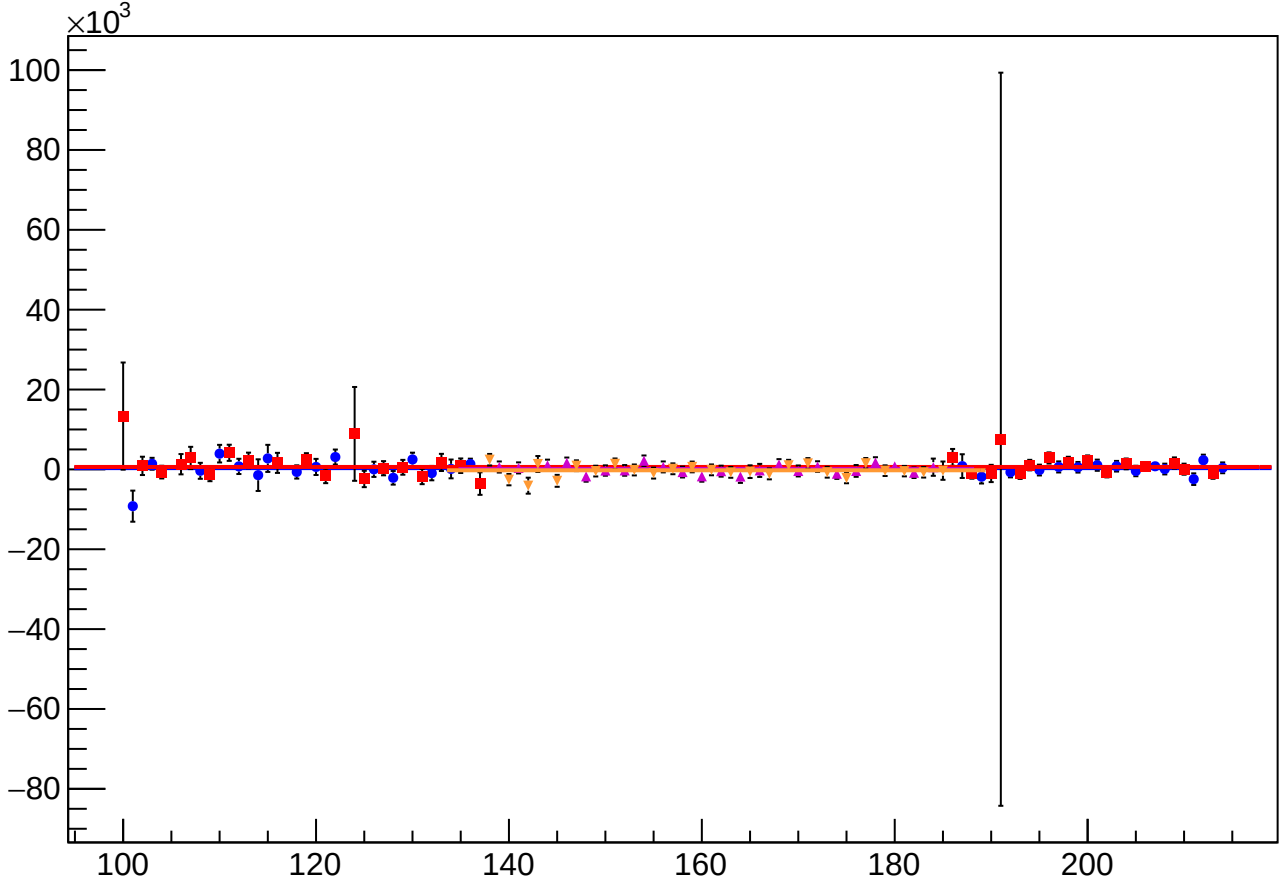
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20172013.1/54

All: 0.000+/-0.000 χ^2/NDF: 39061595.2/111

- sign 0.000+/-0.000 χ^2/NDF: 18609567.3/56

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 320.874+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 610.508+/-296.068 χ^2/NDF: 29.5/33

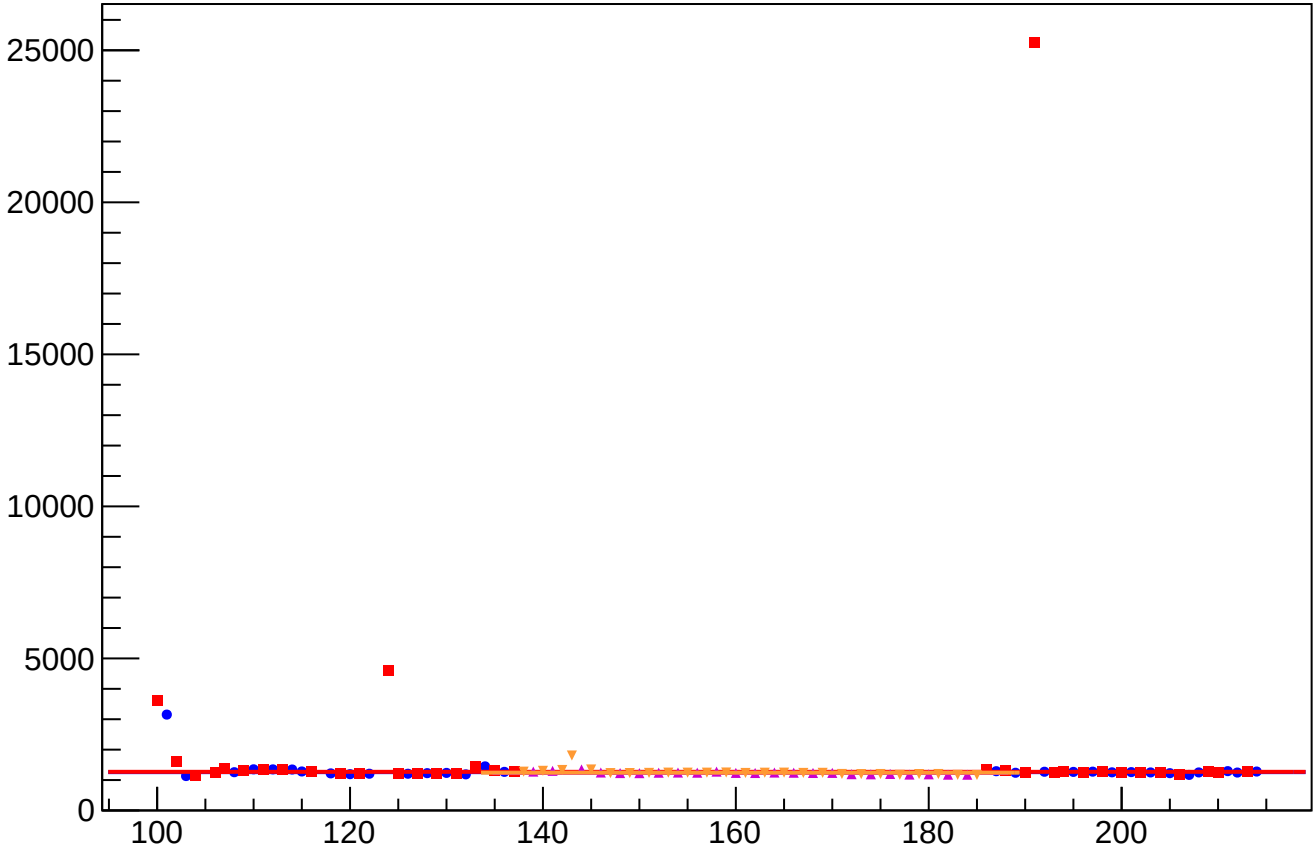
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 37.433+/-204.769 χ^2/NDF: 52.0/54

All: 189.657+/-145.409 χ^2/NDF: 98.9/111

- sign 344.495+/-206.520 χ^2/NDF: 45.8/56

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535651.2/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

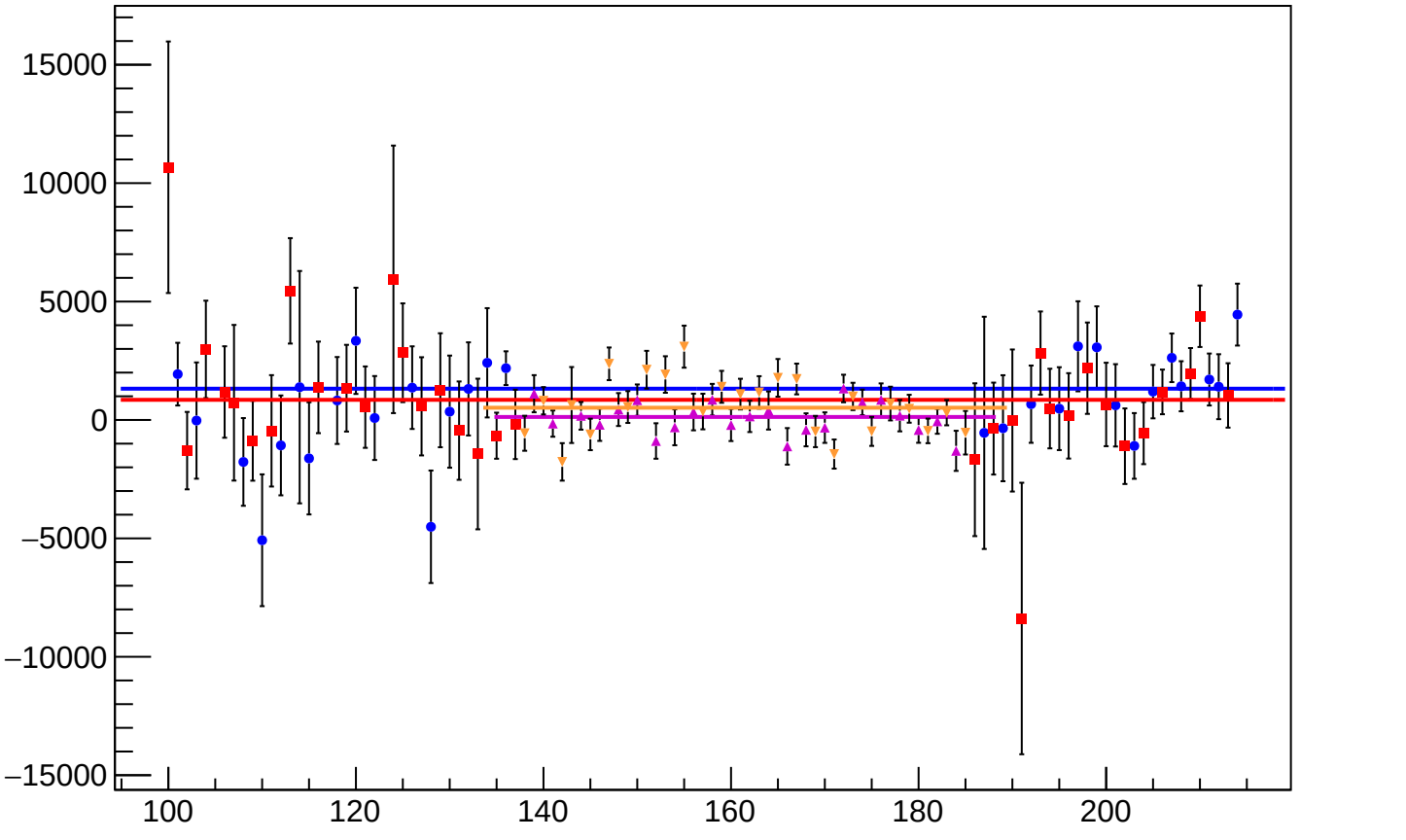
Right Out: 1270.368+/-0.209 χ^2/NDF: 486683.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.022+/-0.145 χ^2/NDF: 742468.9/54

All: 1251.293+/-0.103 χ^2/NDF: 1284147.5/11

- sign 1251.568+/-0.146 χ^2/NDF: 541671.6/56



Right In: 1320.433+/-282.863 χ^2/NDF: 34.4/29

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 849.942+/-296.847 χ^2/NDF: 34.6/33

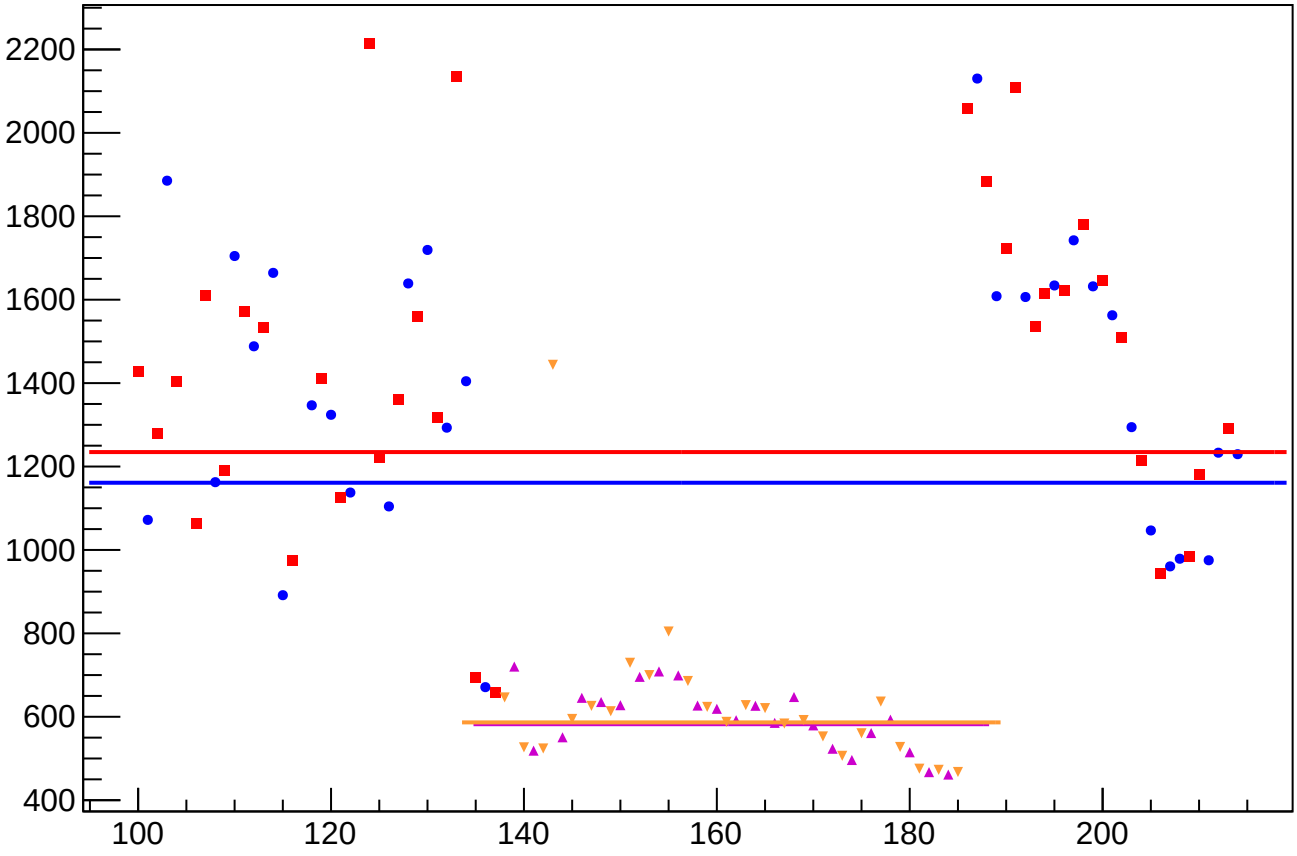
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 667.228+/-122.383 χ^2/NDF: 108.0/54

All: 464.307+/-87.308 χ^2/NDF: 174.6/111

- sign 253.998+/-124.591 χ^2/NDF: 61.0/56

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1161.127+/-0.200 χ^2/NDF: 2694671.1/29

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.671+/-0.210 χ^2/NDF: 2737754.5/33

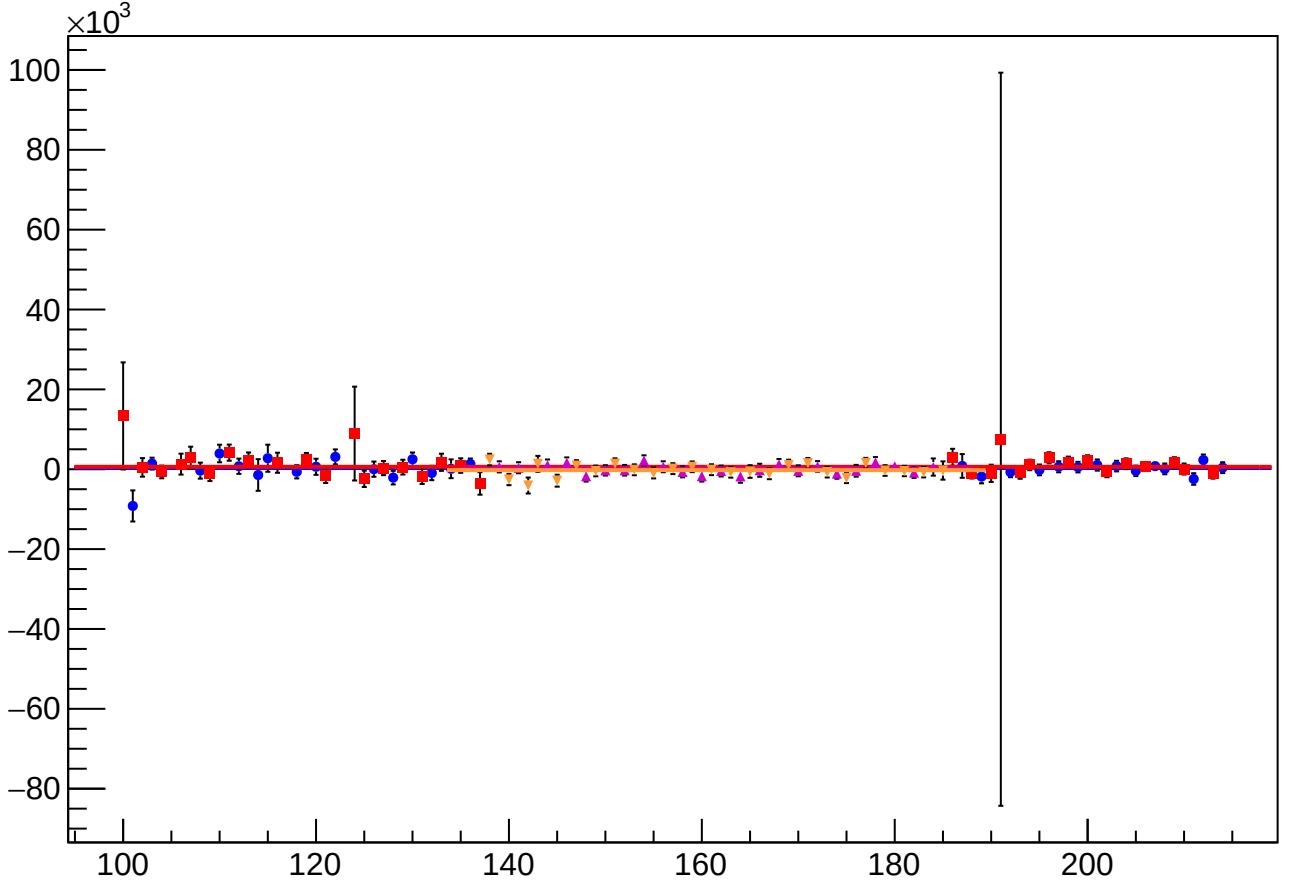
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 694.113+/-0.087 χ^2/NDF: 10604954.2/54

All: 695.595+/-0.062 χ^2/NDF: 21863125.3/11

- sign 697.131+/-0.088 χ^2/NDF: 11257573.9/56

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 321.070+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 602.837+/-296.258 χ^2/NDF: 29.5/33

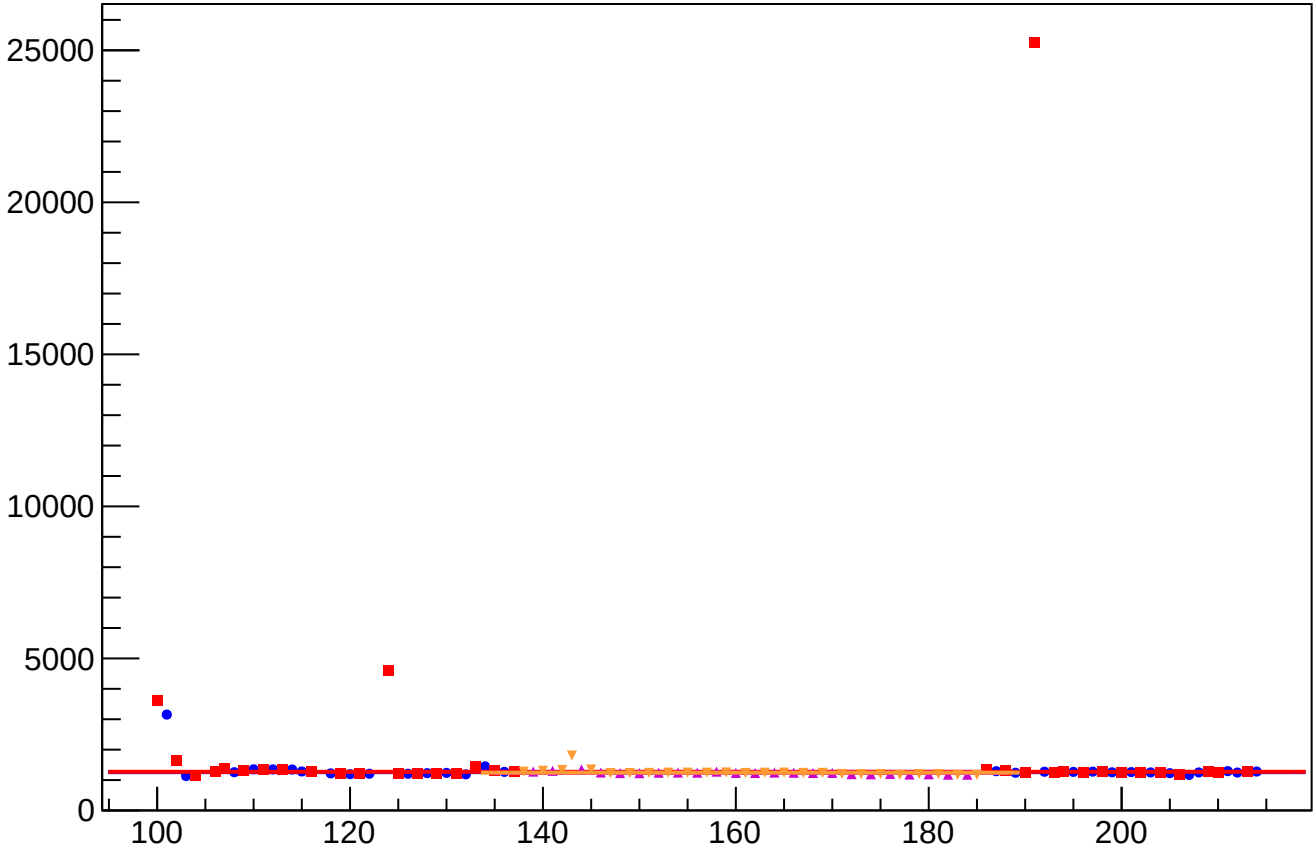
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 37.509+/-204.769 χ^2/NDF: 52.0/54

All: 187.733+/-145.431 χ^2/NDF: 98.8/111

- sign 340.634+/-206.585 χ^2/NDF: 45.7/56

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535652.6/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

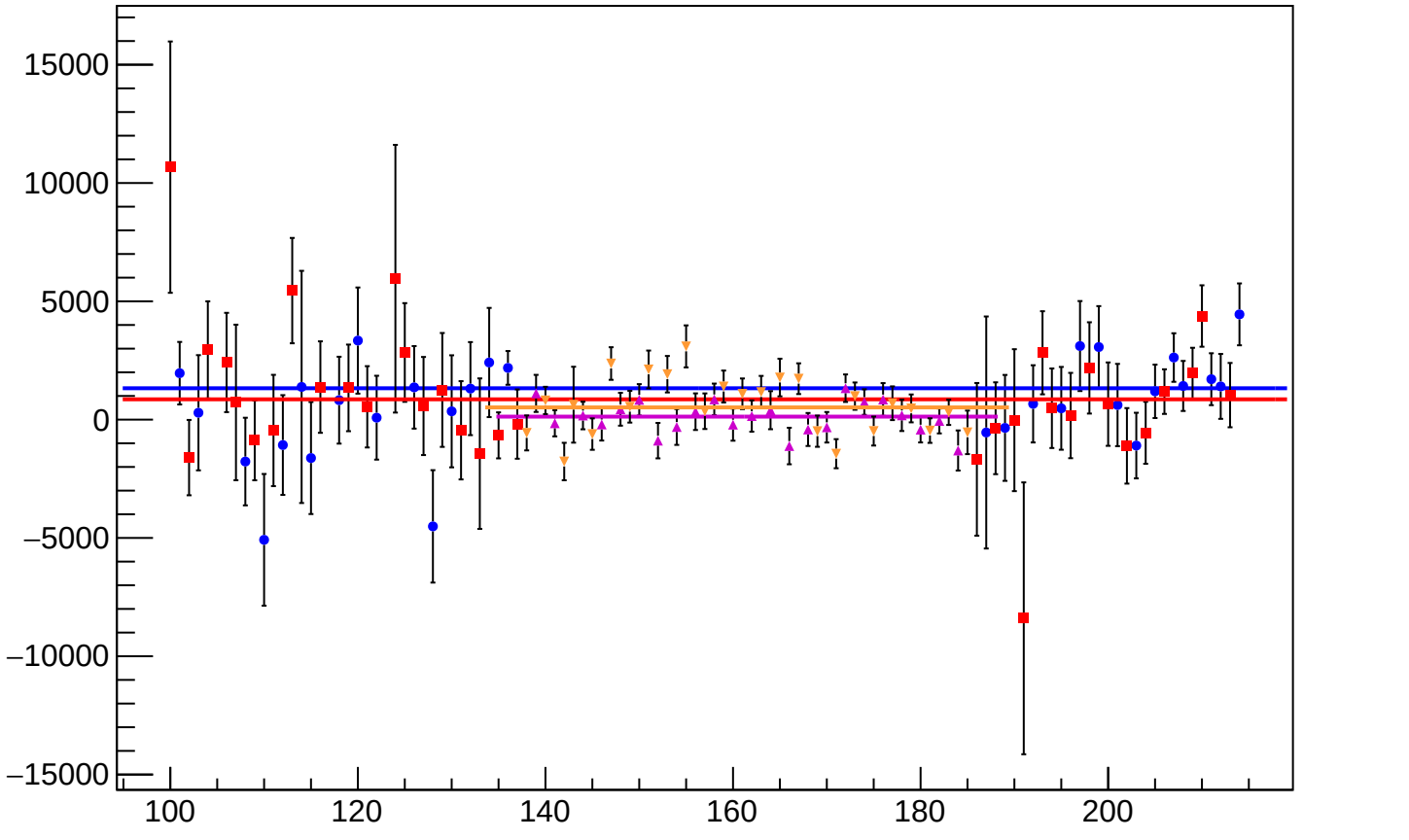
Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.021+/-0.145 χ^2/NDF: 742470.2/54

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

- sign 1251.971+/-0.146 χ^2/NDF: 549554.9/56



Right In: 1325.795+/-282.811 χ^2/NDF: 34.3/29

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

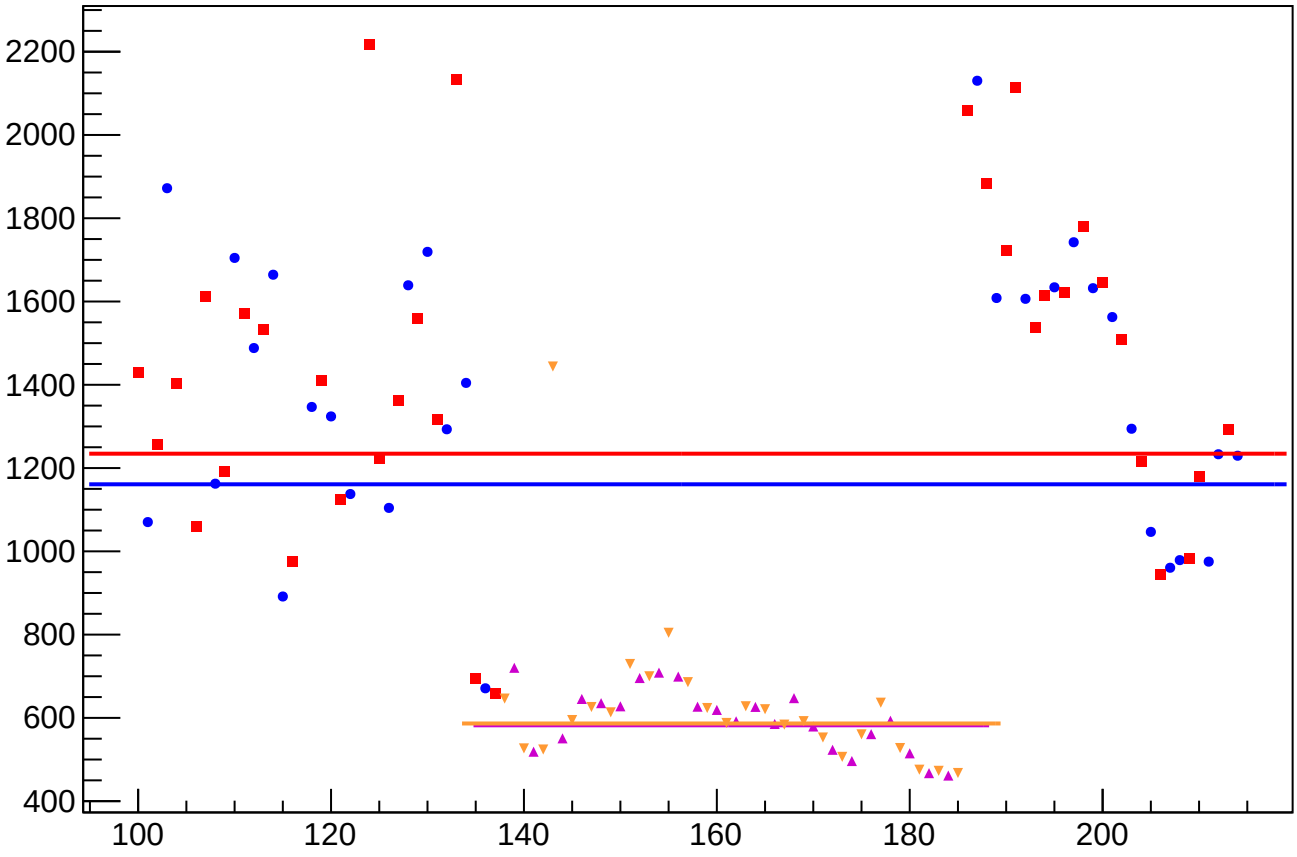
Right Out: 858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 668.295+/-122.379 χ^2/NDF: 108.0/54

All: 465.517+/-87.313 χ^2/NDF: 175.8/111

- sign 255.281+/-124.610 χ^2/NDF: 62.3/56



Right In: 1161.013+/-0.200 χ^2/NDF: 2691574.7/29

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

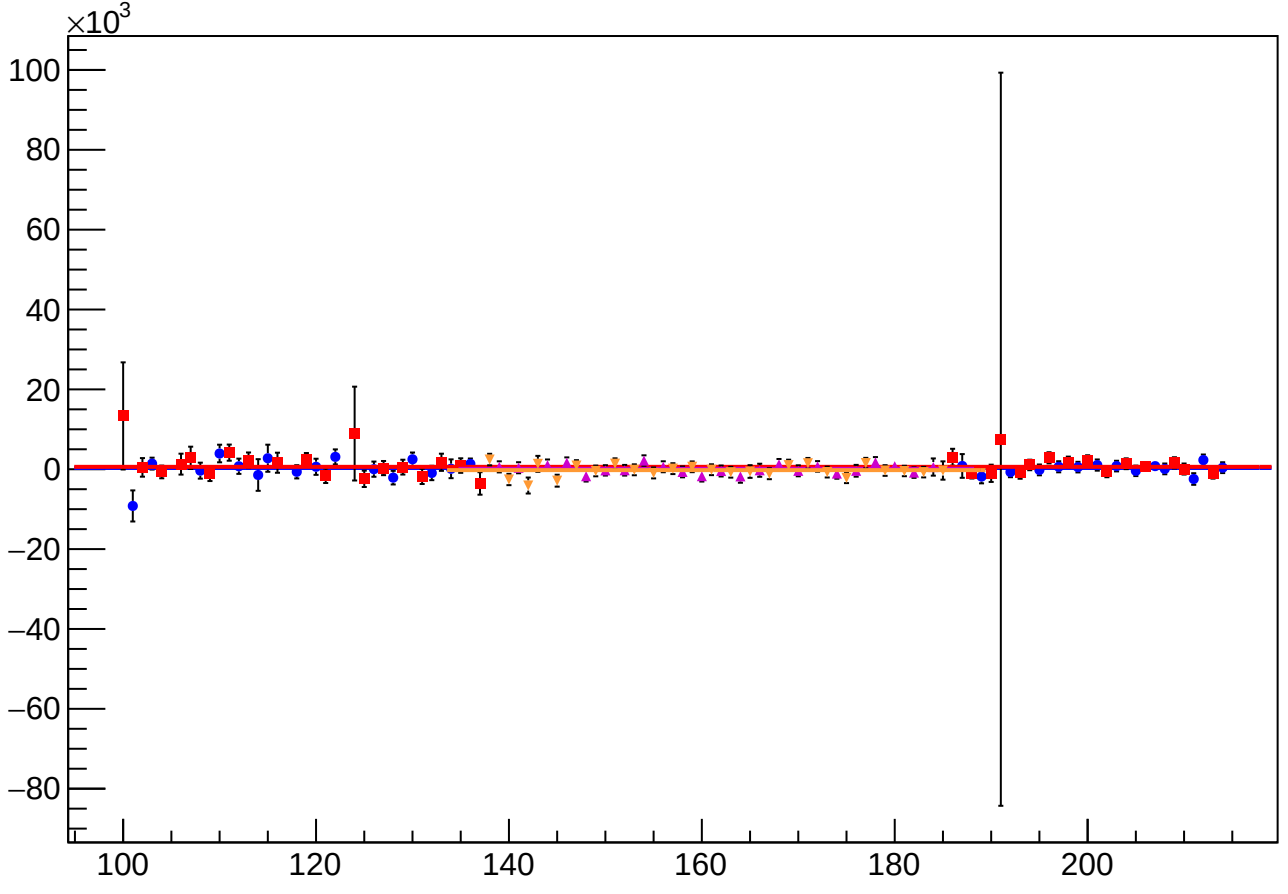
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 694.129+/-0.087 χ^2/NDF: 10600970.6/54

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11

- sign 696.934+/-0.088 χ^2/NDF: 11239655.1/56

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 321.070+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 602.837+/-296.258 χ^2/NDF: 29.5/33

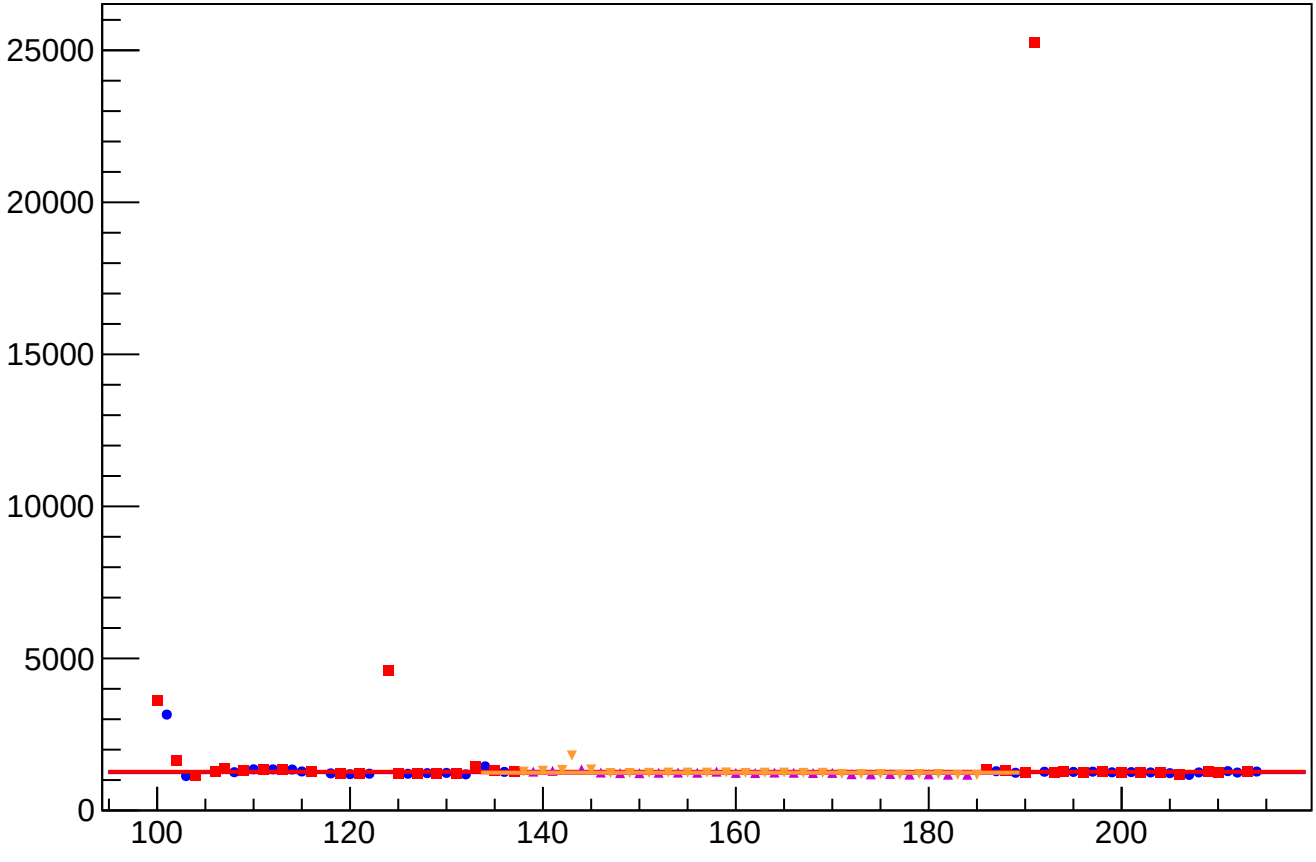
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 37.509+/-204.769 χ^2/NDF: 52.0/54

All: 187.733+/-145.431 χ^2/NDF: 98.8/111

- sign 340.634+/-206.585 χ^2/NDF: 45.7/56

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535652.6/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

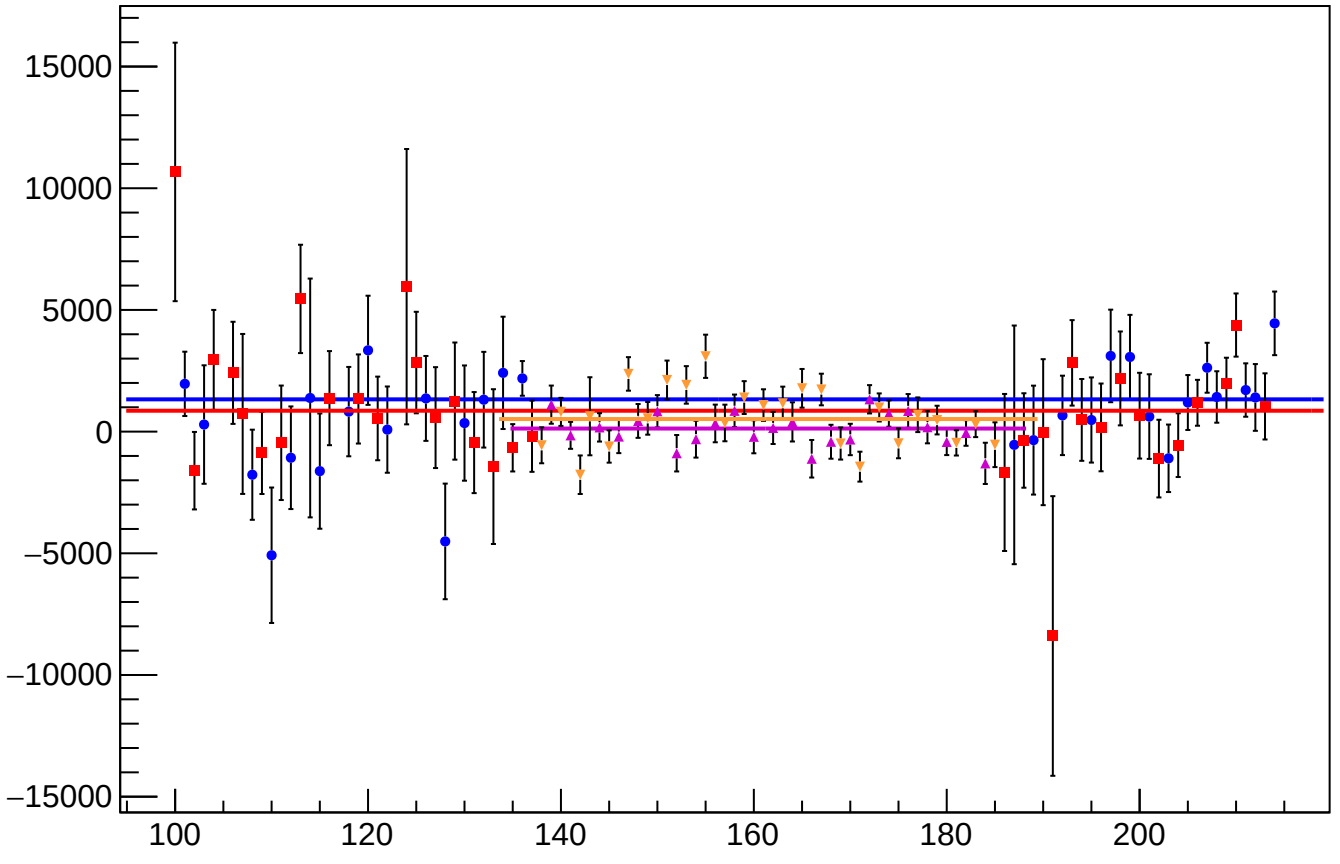
Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.021+/-0.145 χ^2/NDF: 742470.2/54

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

- sign 1251.971+/-0.146 χ^2/NDF: 549554.9/56



Right In: 1325.795+/-282.811 χ^2/NDF: 34.3/29

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

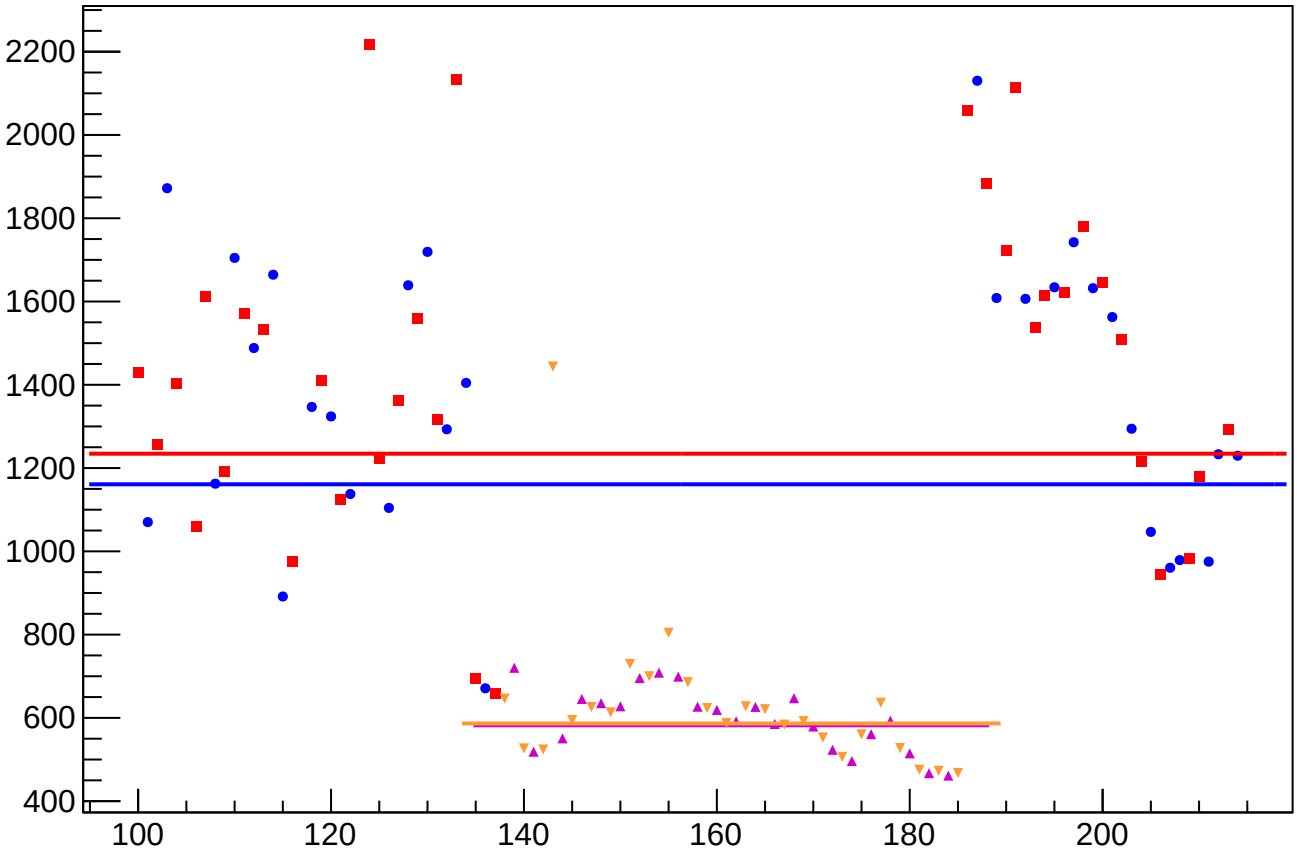
Right Out: 858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 668.295+/-122.379 χ^2/NDF: 108.0/54

All: 465.517+/-87.313 χ^2/NDF: 175.8/111

- sign 255.281+/-124.610 χ^2/NDF: 62.3/56



Right In: 1161.013+/-0.200 χ^2/NDF: 2691574.7/29

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

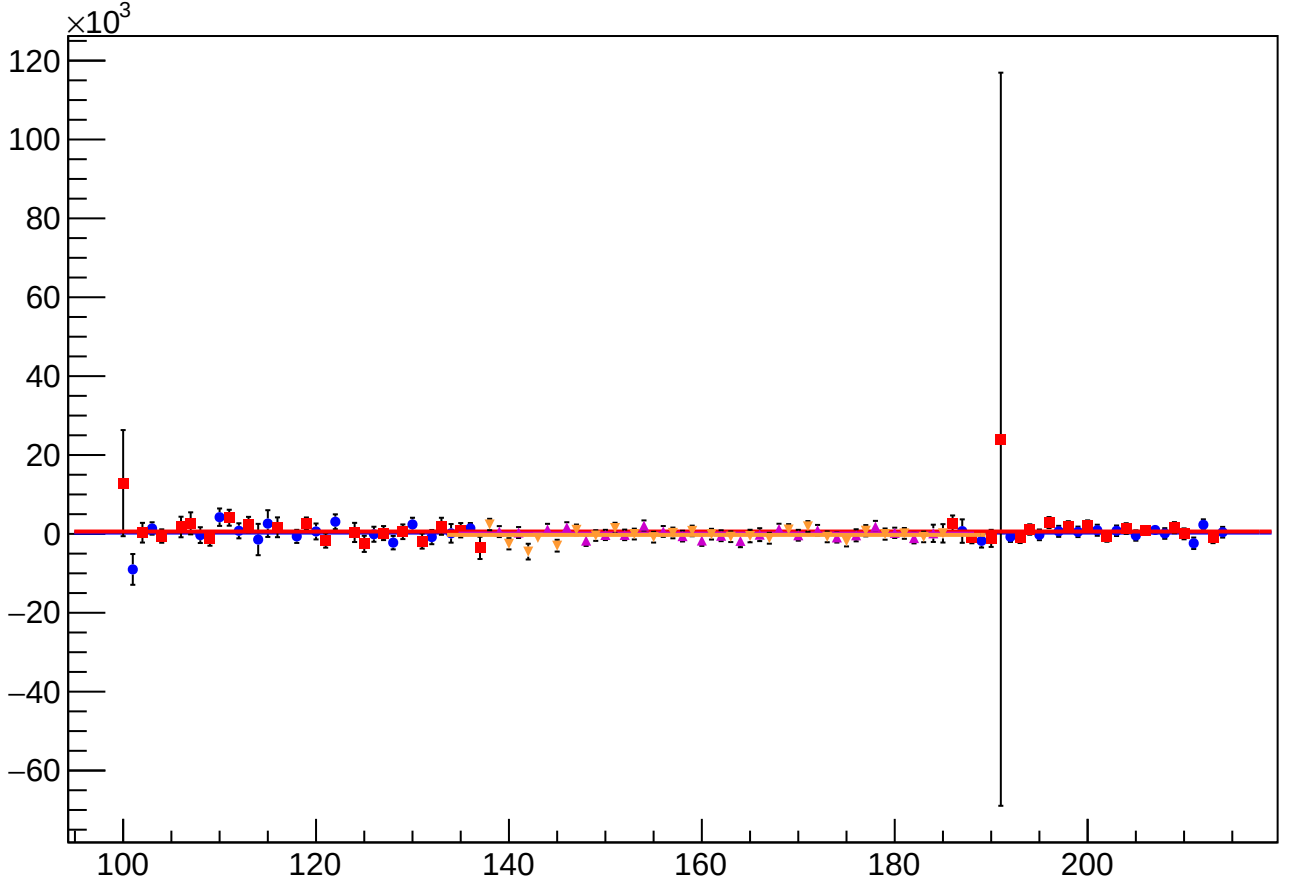
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 694.129+/-0.087 χ^2/NDF: 10600970.6/54

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11

- sign 696.934+/-0.088 χ^2/NDF: 11239655.1/56

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.286+/-297.511 χ^2/NDF: 26.3/29

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 600.486+/-295.575 χ^2/NDF: 29.0/33

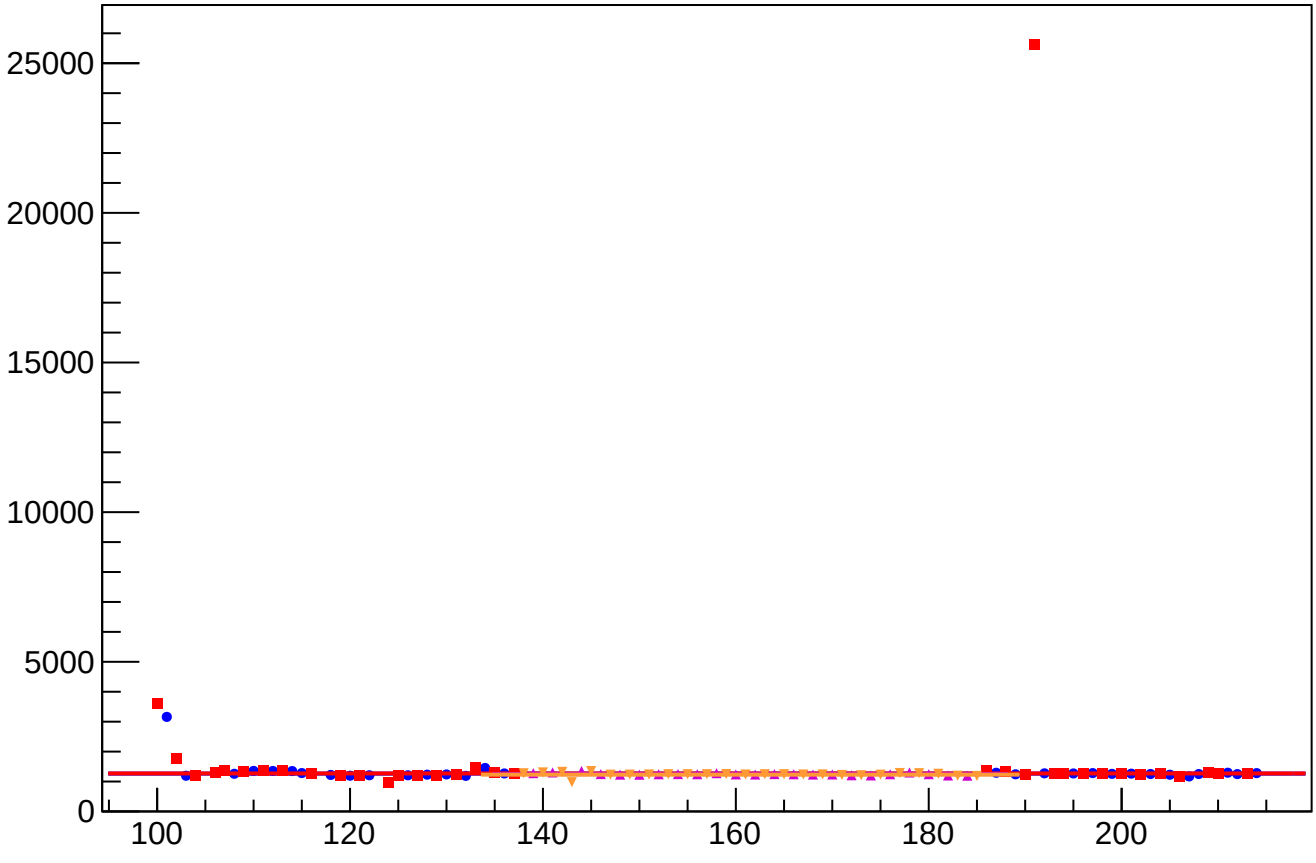
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 21.095+/-203.870 χ^2/NDF: 52.4/54

All: 174.761+/-145.435 χ^2/NDF: 98.1/111

- sign 333.998+/-207.532 χ^2/NDF: 44.6/56

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.083+/-0.210 χ^2/NDF: 525437.9/29

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

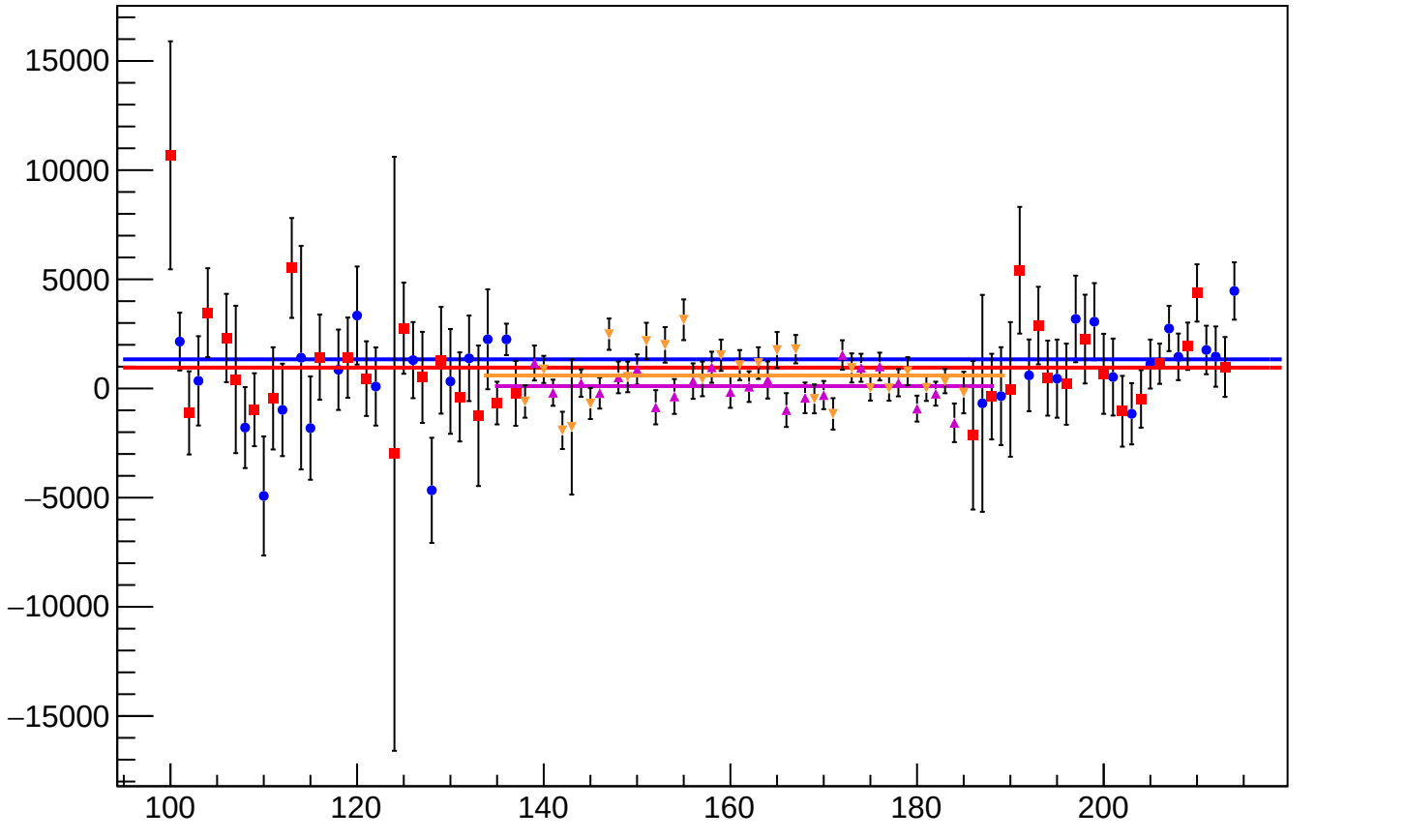
Right Out: 1269.823+/-0.209 χ^2/NDF: 385102.1/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.997+/-0.144 χ^2/NDF: 680979.2/54

All: 1252.211+/-0.103 χ^2/NDF: 1102842.5/11

- sign 1258.650+/-0.147 χ^2/NDF: 418079.9/56



Right In: 1335.554+/-284.201 χ^2/NDF: 35.3/29

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 955.684+/-299.553 χ^2/NDF: 33.7/33

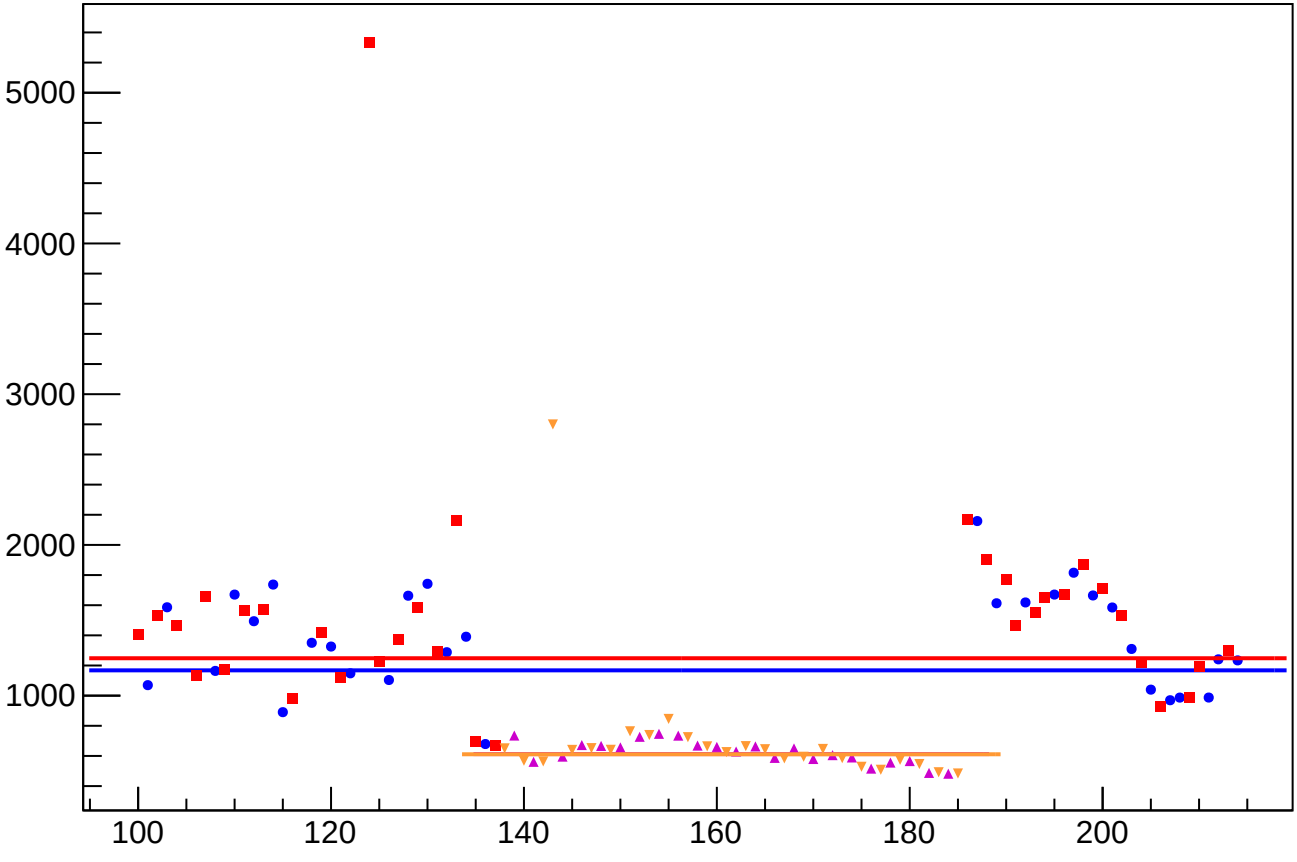
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 743.161+/-127.120 χ^2/NDF: 98.1/54

All: 511.484+/-90.872 χ^2/NDF: 170.7/111

- sign 269.365+/-129.953 χ^2/NDF: 65.9/56

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1167.860+/-0.201 χ^2/NDF: 2630250.9/29

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.155+/-0.212 χ^2/NDF: 3030885.4/33

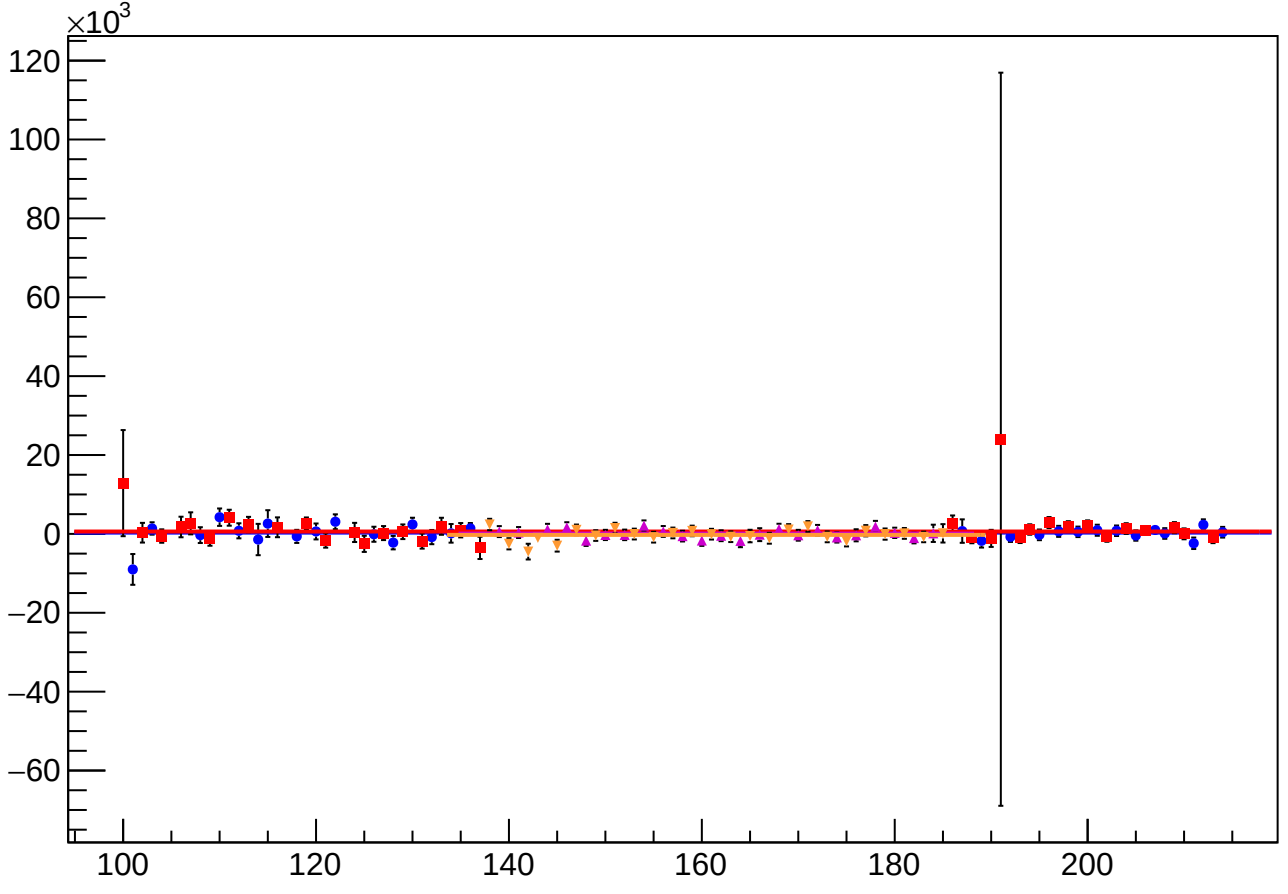
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 722.479+/-0.090 χ^2/NDF: 10389868.3/54

All: 727.159+/-0.064 χ^2/NDF: 21248166.5/11

- sign 732.050+/-0.092 χ^2/NDF: 10852754.4/56

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.284+/-297.511 χ^2/NDF: 26.3/29

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 600.485+/-295.575 χ^2/NDF: 29.0/33

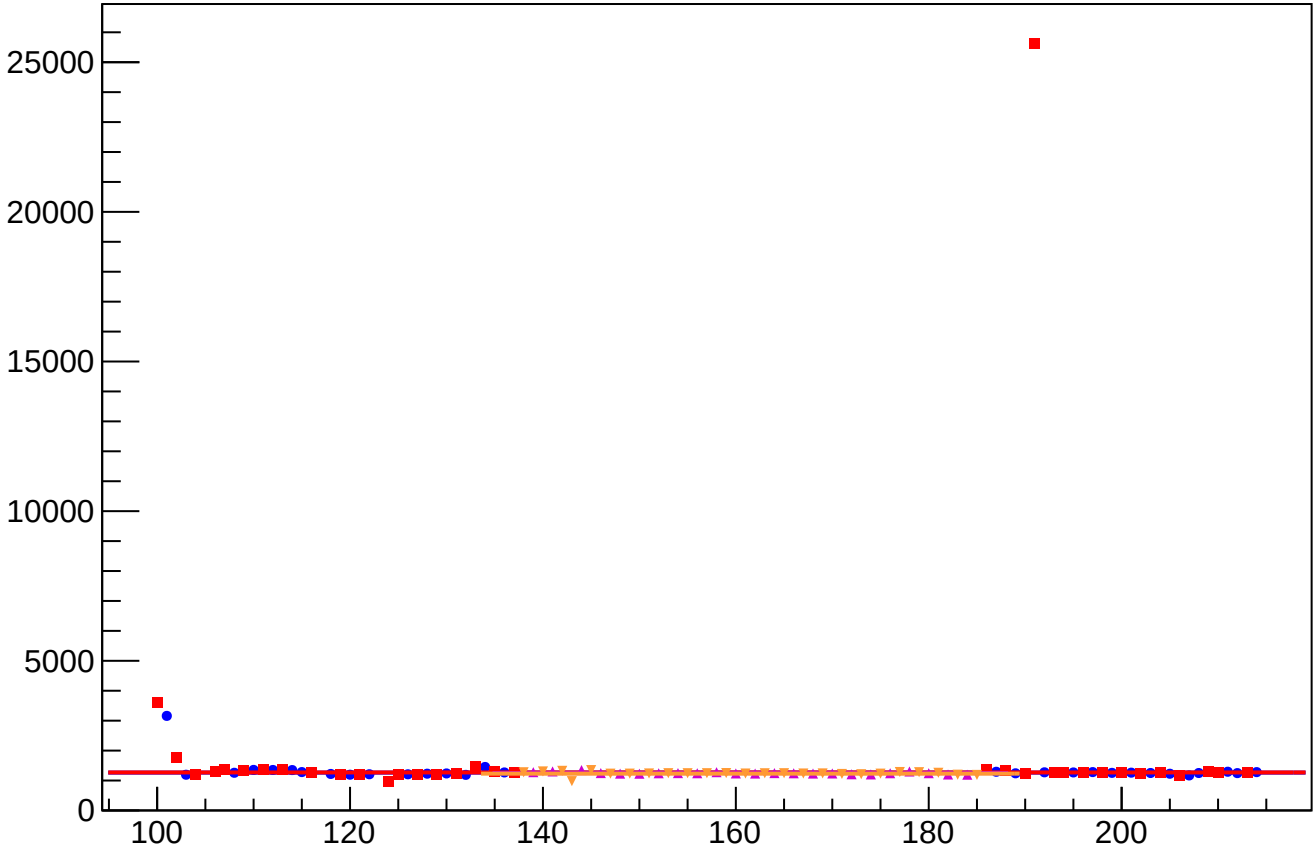
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 21.093+/-203.870 χ^2/NDF: 52.4/54

All: 174.760+/-145.435 χ^2/NDF: 98.1/111

- sign 333.997+/-207.532 χ^2/NDF: 44.6/56

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1264.083+/-0.210 χ^2/NDF: 525438.0/29

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

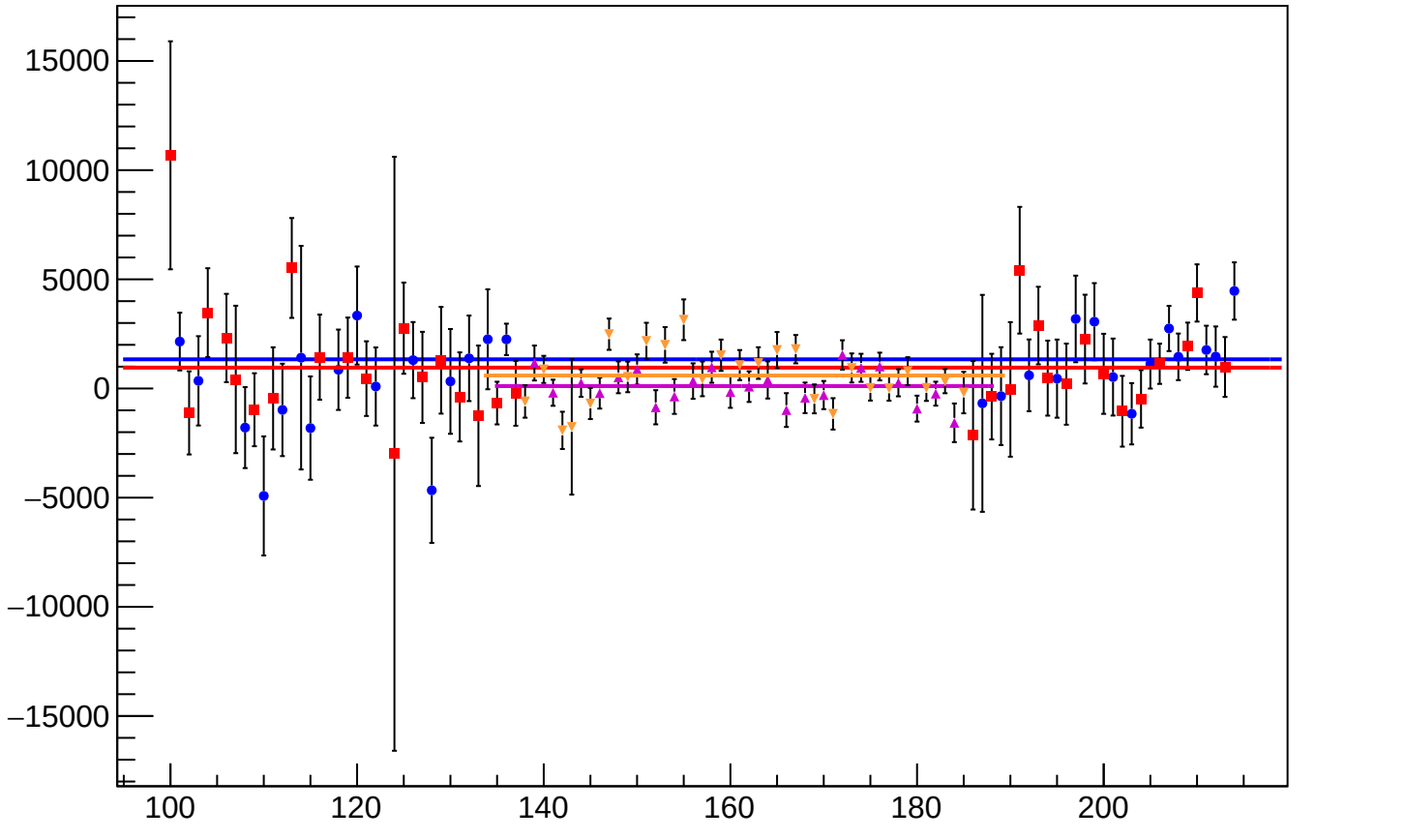
Right Out: 1269.823+/-0.209 χ^2/NDF: 385101.9/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.997+/-0.144 χ^2/NDF: 680978.4/54

All: 1252.210+/-0.103 χ^2/NDF: 1102841.4/11

- sign 1258.650+/-0.147 χ^2/NDF: 418079.7/56



Right In: 1335.554+/-284.201 χ^2/NDF: 35.3/29

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

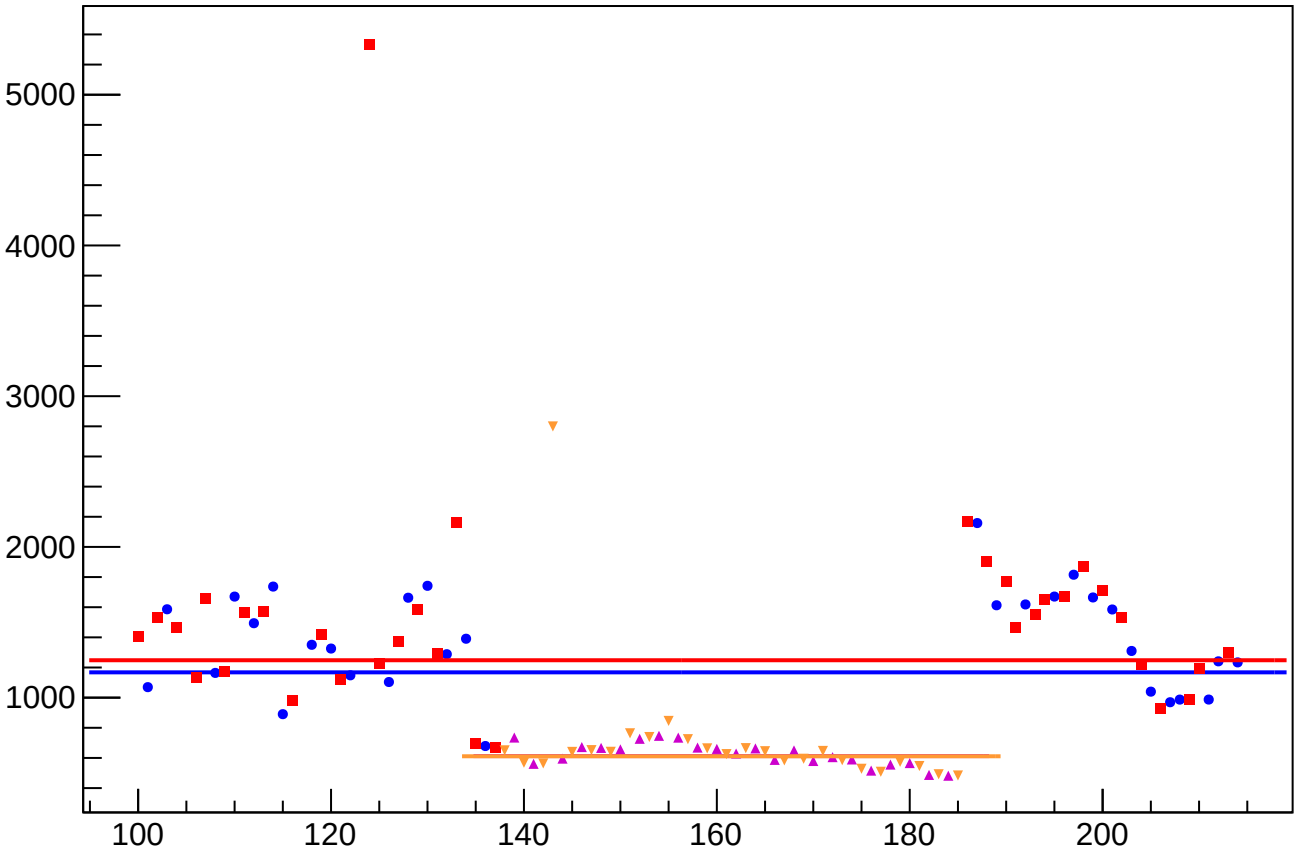
Right Out: 955.689+/-299.553 χ^2/NDF: 33.7/33

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 743.161+/-127.120 χ^2/NDF: 98.1/54

All: 511.483+/-90.872 χ^2/NDF: 170.7/111

- sign 269.364+/-129.953 χ^2/NDF: 65.9/56



Right In: 1167.861+/-0.201 χ^2/NDF: 2630192.1/29

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.157+/-0.212 χ^2/NDF: 3030828.6/33

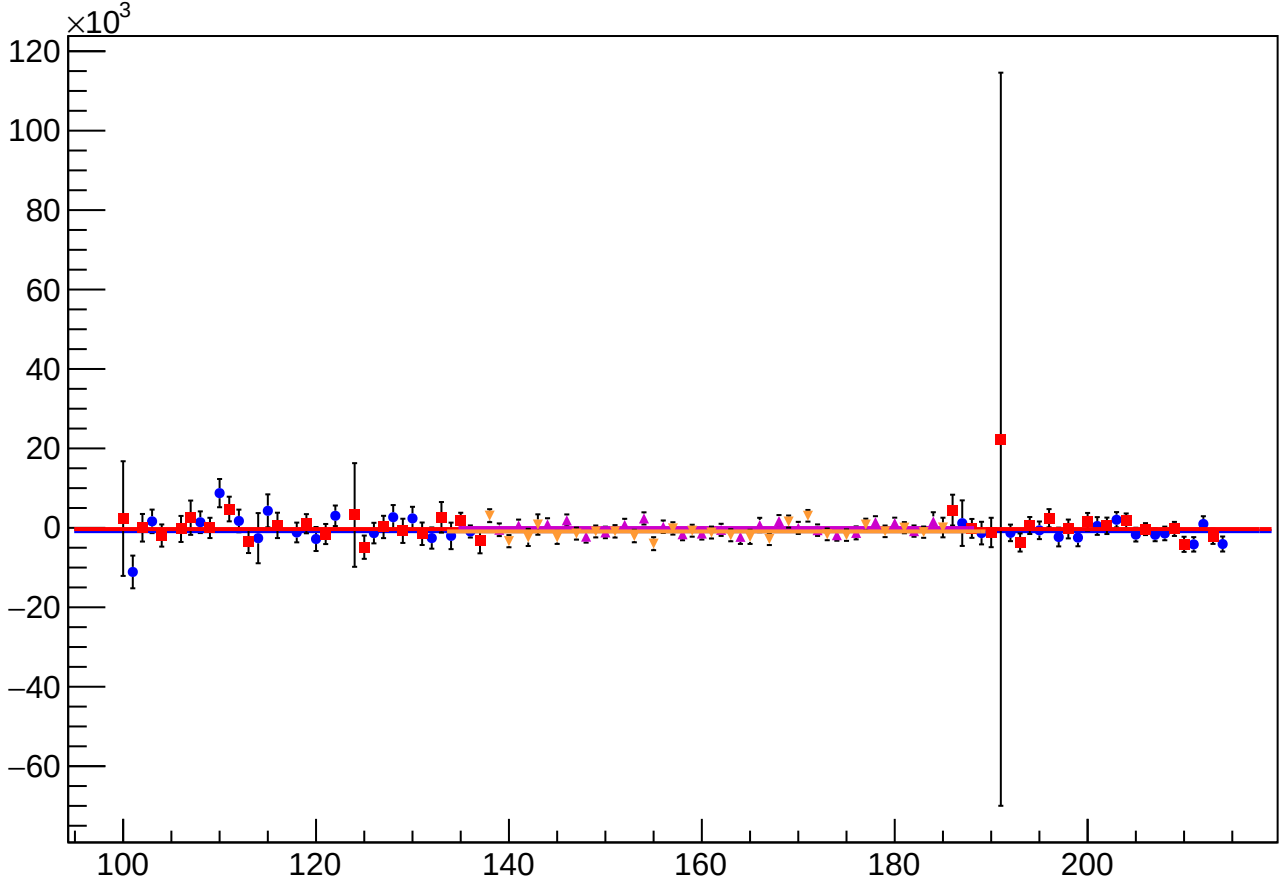
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 722.479+/-0.090 χ^2/NDF: 10389837.1/54

All: 727.159+/-0.064 χ^2/NDF: 21248143.9/11

- sign 732.049+/-0.092 χ^2/NDF: 10852763.5/56

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -830.563+/-430.822 χ^2/NDF: 34.5/29

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -300.705+/-440.031 χ^2/NDF: 22.8/33

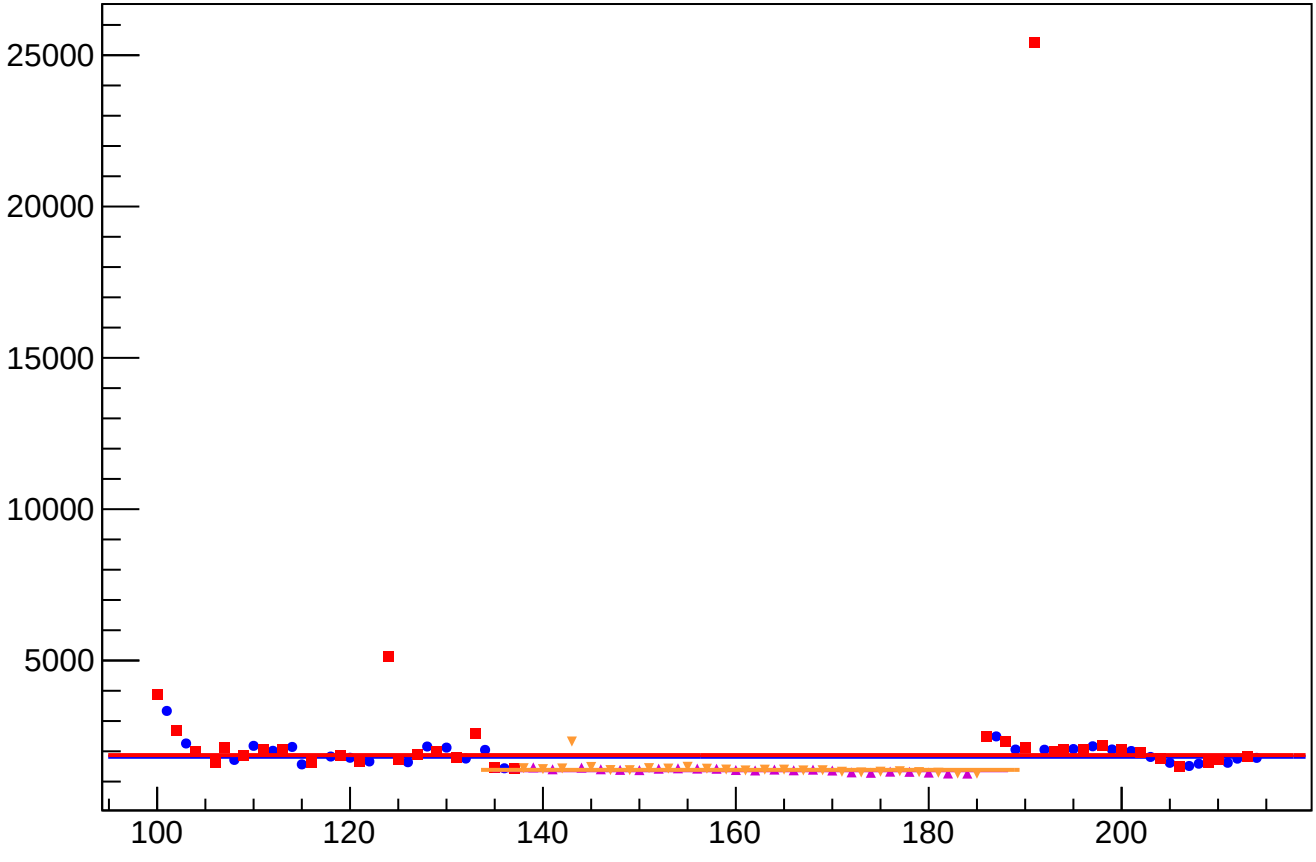
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -875.597+/-255.041 χ^2/NDF: 64.4/54

All: -511.844+/-181.826 χ^2/NDF: 109.4/111

- sign -135.862+/-259.293 χ^2/NDF: 40.9/56

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1819.196+/-0.305 χ^2/NDF: 893007.4/29

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

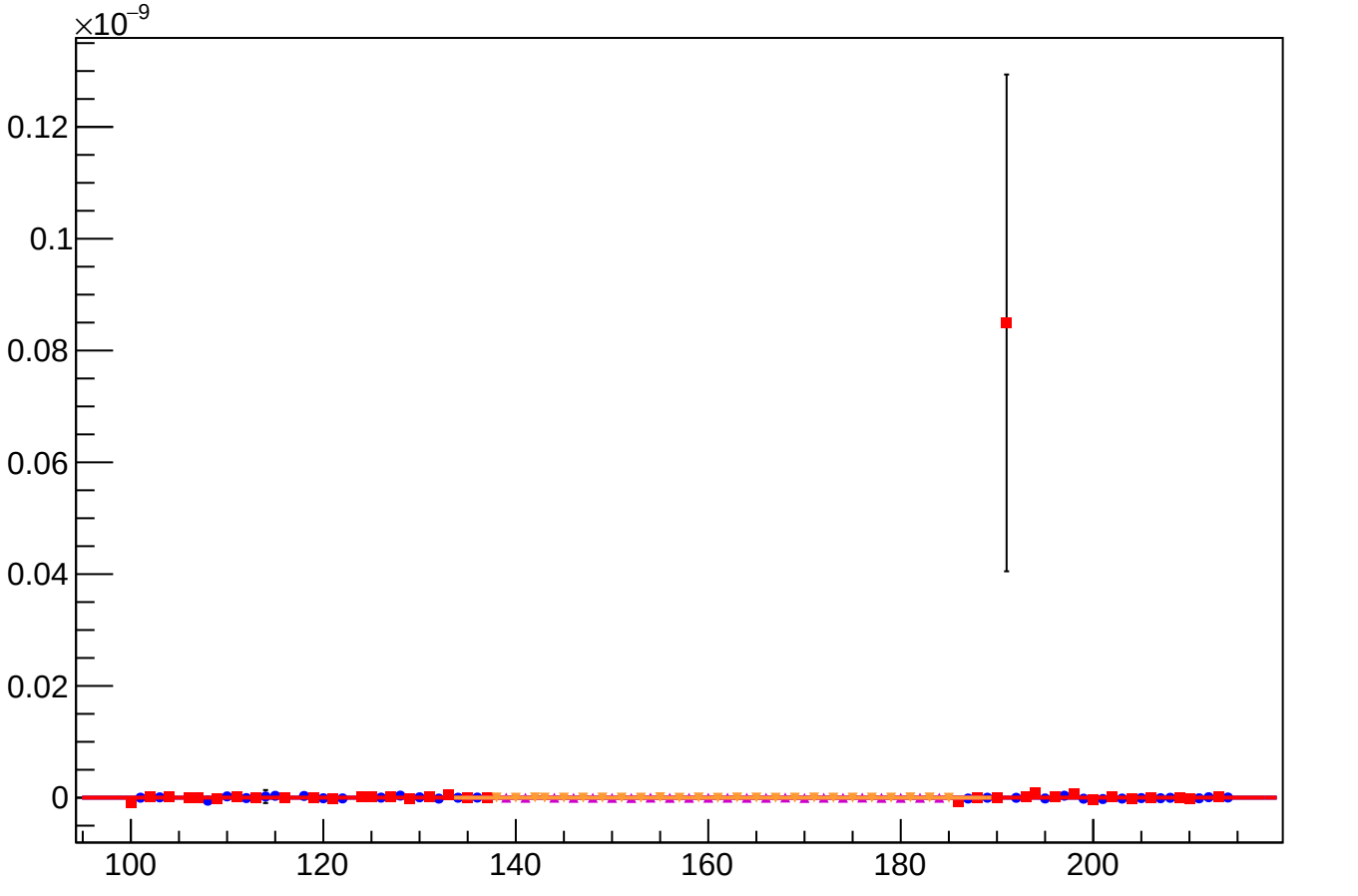
Right Out: 1874.851+/-0.311 χ^2/NDF: 1051720.1/33

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1538.362+/-0.180 χ^2/NDF: 2541149.1/54

All: 1542.806+/-0.129 χ^2/NDF: 5355263.8/11

- sign 1547.398+/-0.183 χ^2/NDF: 2812880.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

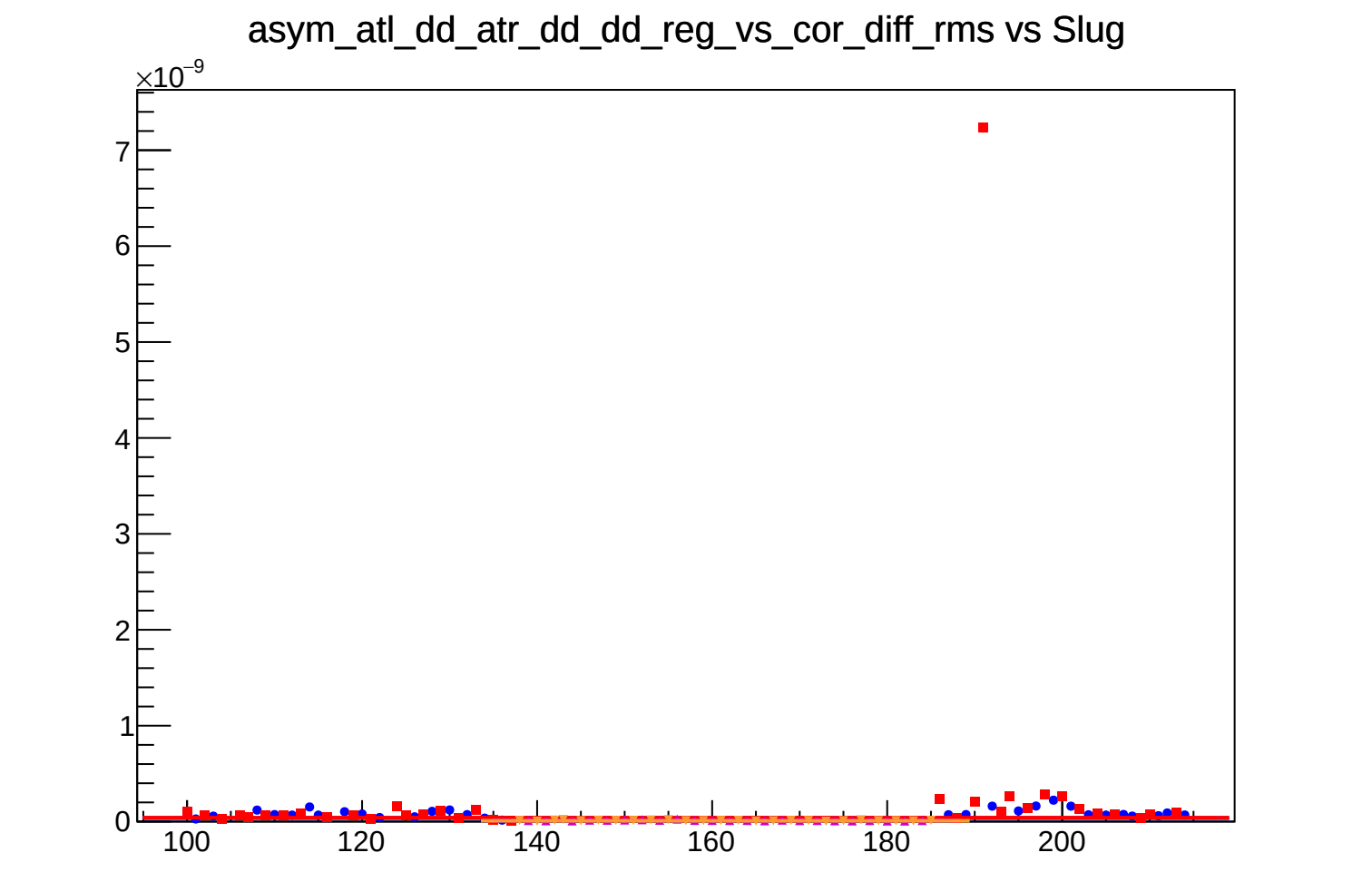
Right Out: 0.000+/-0.000 χ^2/NDF: 49.0/33

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/54

All: 0.000+/-0.000 χ^2/NDF: 113.6/111

- sign -0.000+/-0.000 χ^2/NDF: 63.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6655620.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6905666.6/33

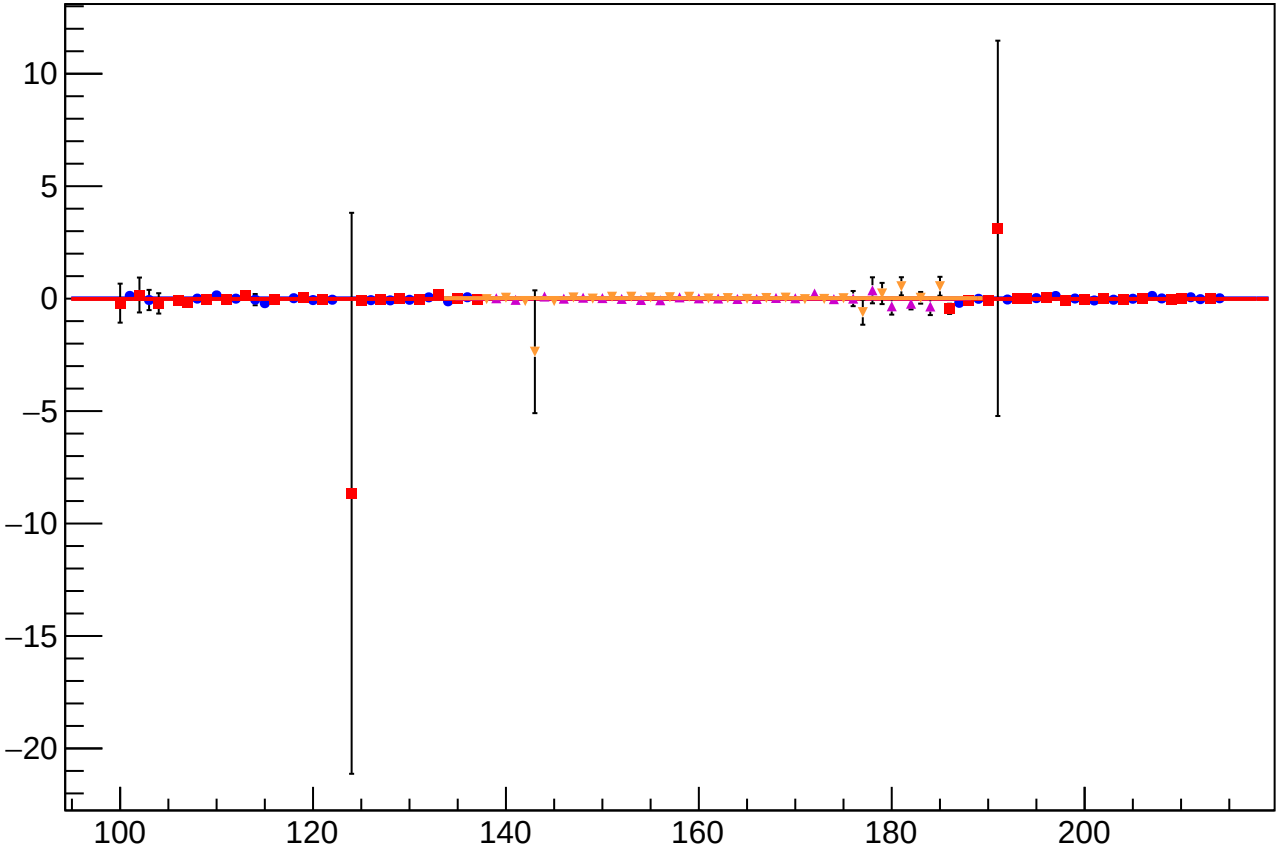
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14129255.4/54

All: 0.000+/-0.000 χ^2/NDF: 27456476.7/111

- sign 0.000+/-0.000 χ^2/NDF: 13055719.3/56

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

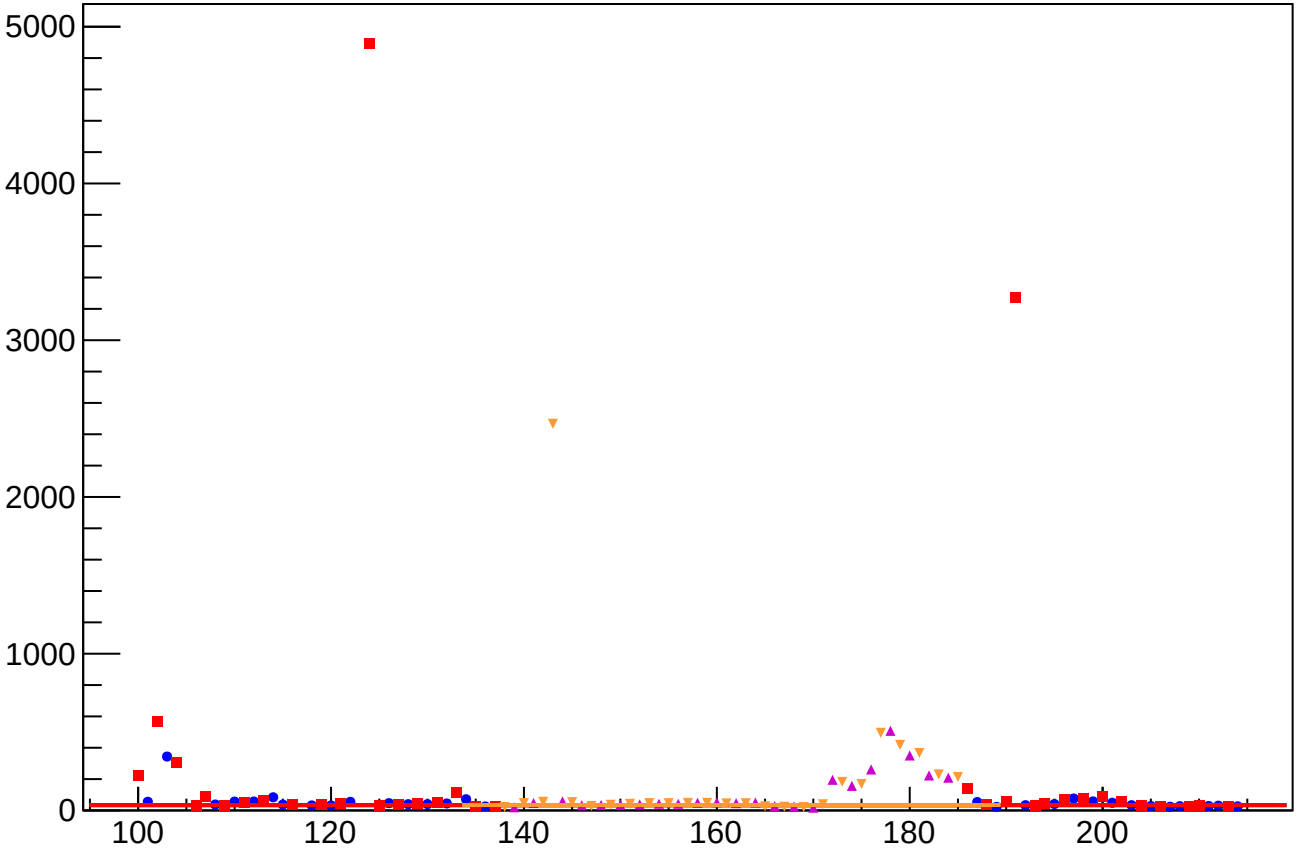
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 113.9/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 32.986+/-0.006 χ^2/NDF: 3732139.5/29

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

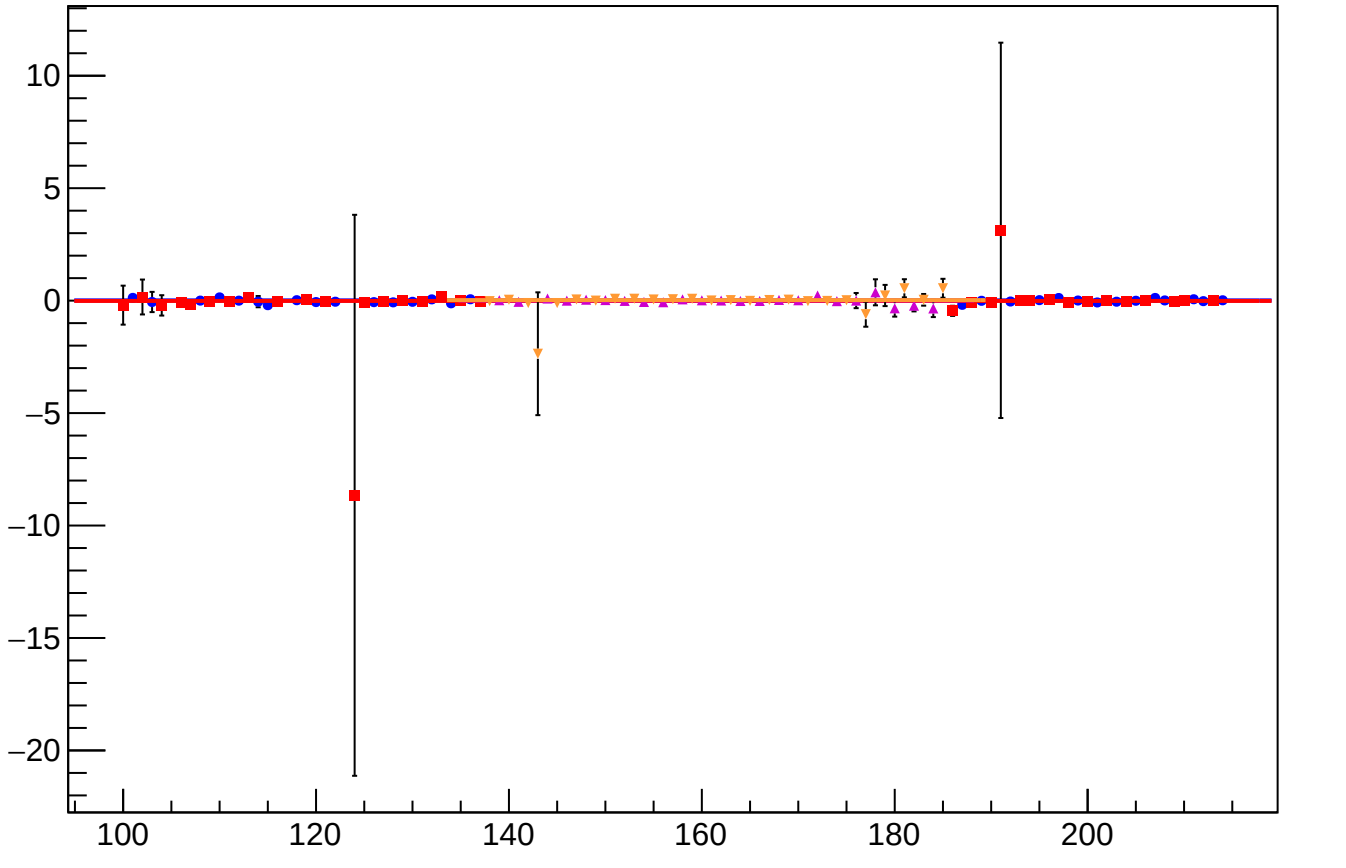
Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.694+/-0.005 χ^2/NDF: 15163816.4/54

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

- sign 34.234+/-0.005 χ^2/NDF: 16567782.1/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

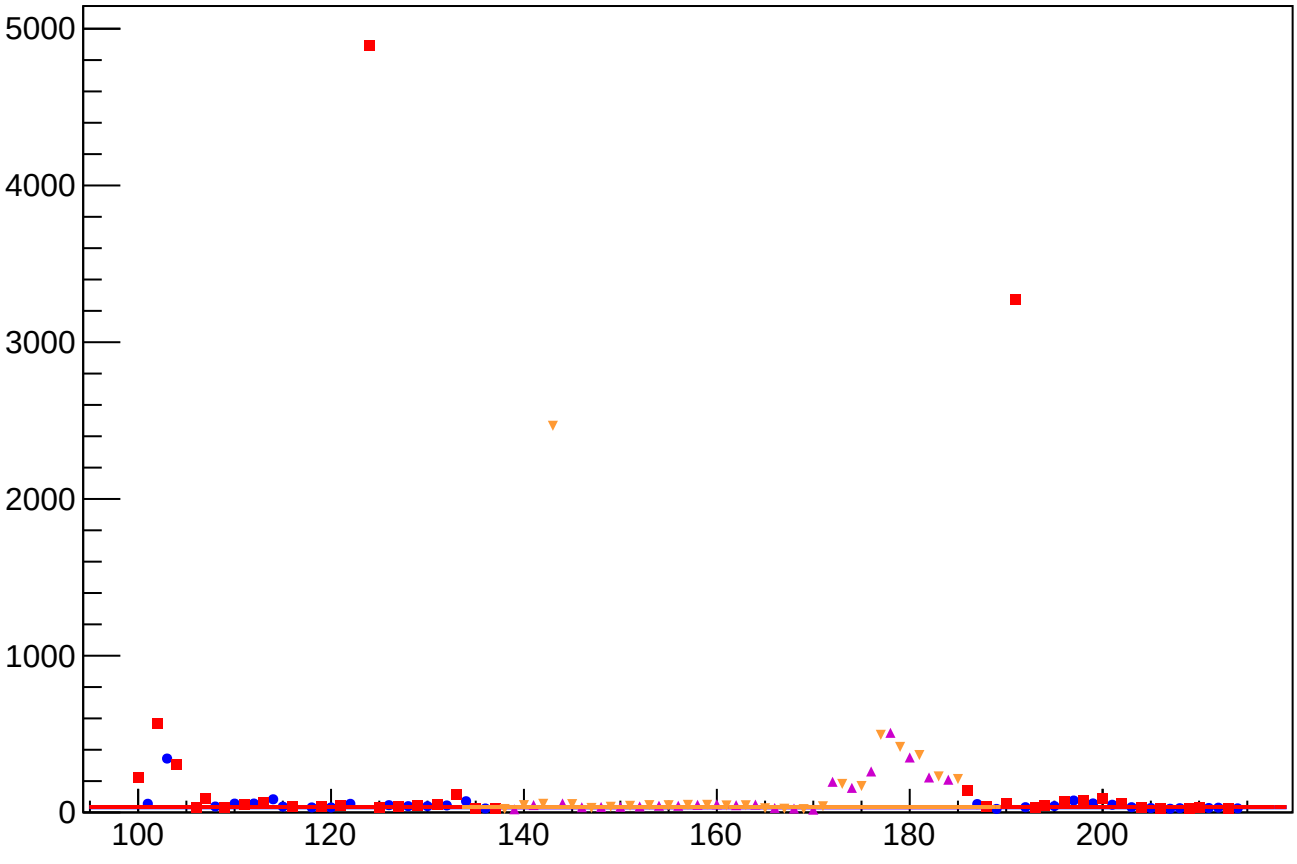
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 113.9/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.986+/-0.006 χ^2/NDF: 3732139.5/29

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

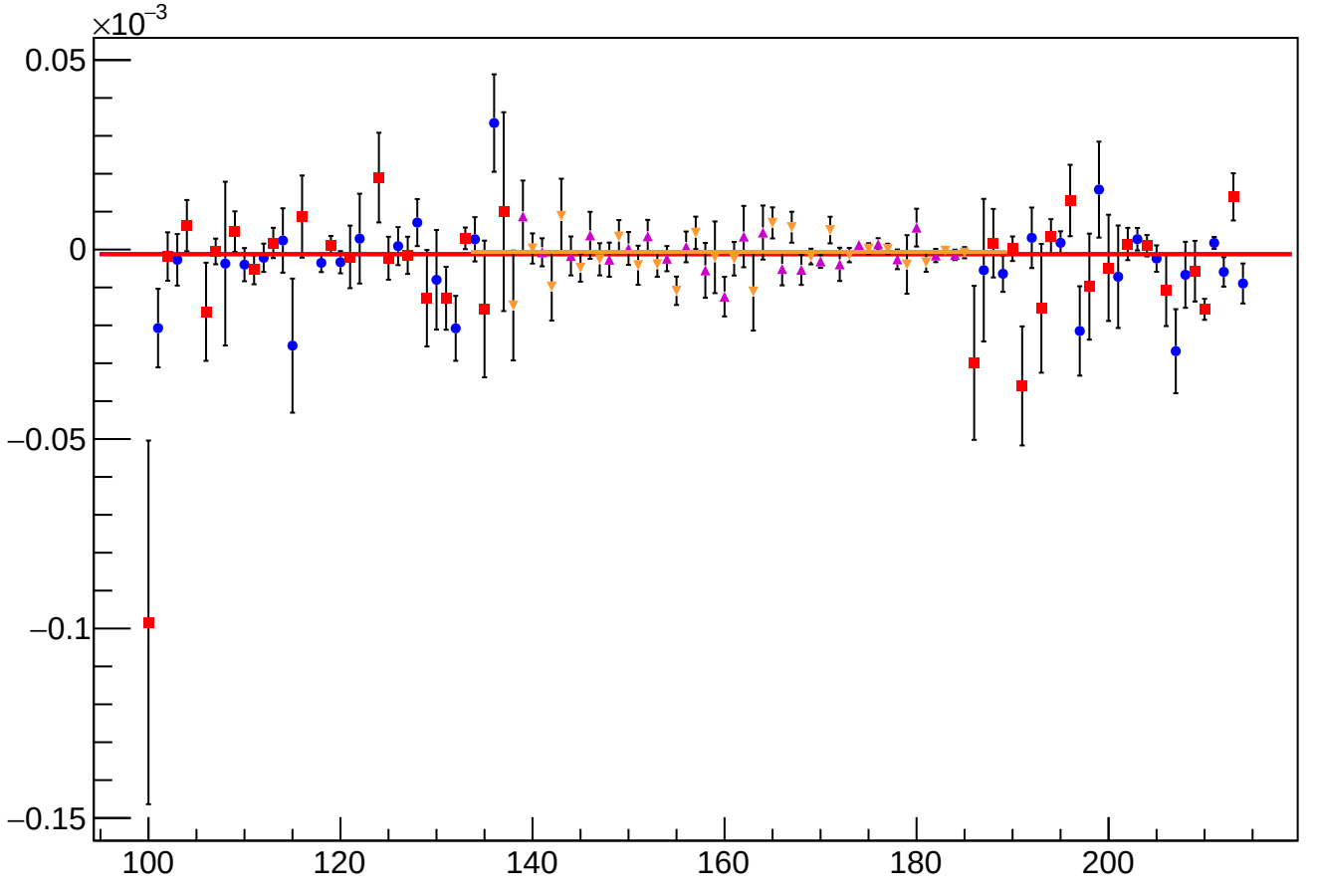
Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.694+/-0.005 χ^2/NDF: 15163816.4/54

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

- sign 34.234+/-0.005 χ^2/NDF: 16567782.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

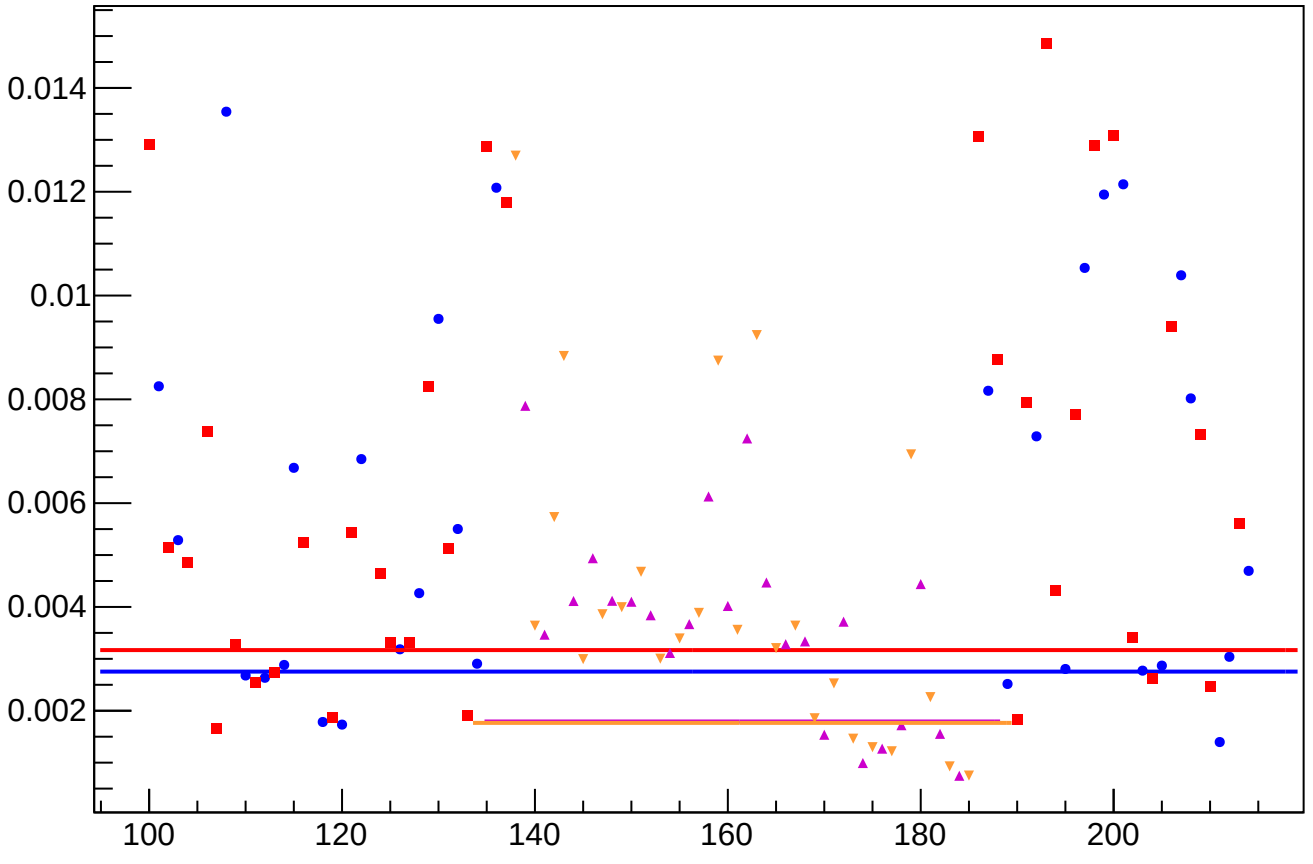
Right Out: -0.000+/-0.000 χ^2/NDF: 67.7/33

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.7/54

All: -0.000+/-0.000 χ^2/NDF: 163.7/111

- sign -0.000+/-0.000 χ^2/NDF: 89.9/56



Right In: 0.003+/-0.000 χ^2/NDF: 11326853.7/29

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

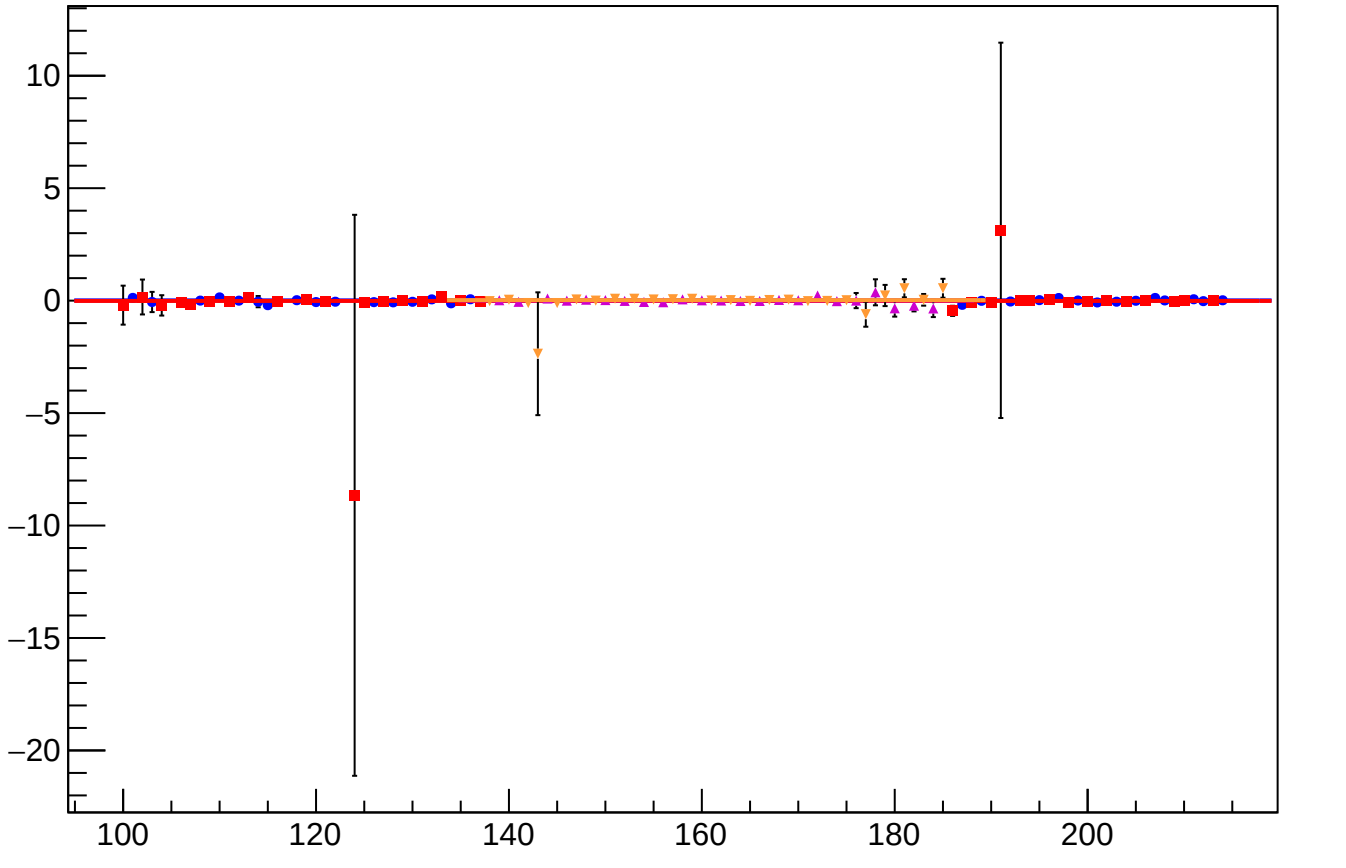
Right Out: 0.003+/-0.000 χ^2/NDF: 10731244.7/33

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 26352469.0/54

All: 0.002+/-0.000 χ^2/NDF: 51426954.8/111

- sign 0.002+/-0.000 χ^2/NDF: 24996218.5/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

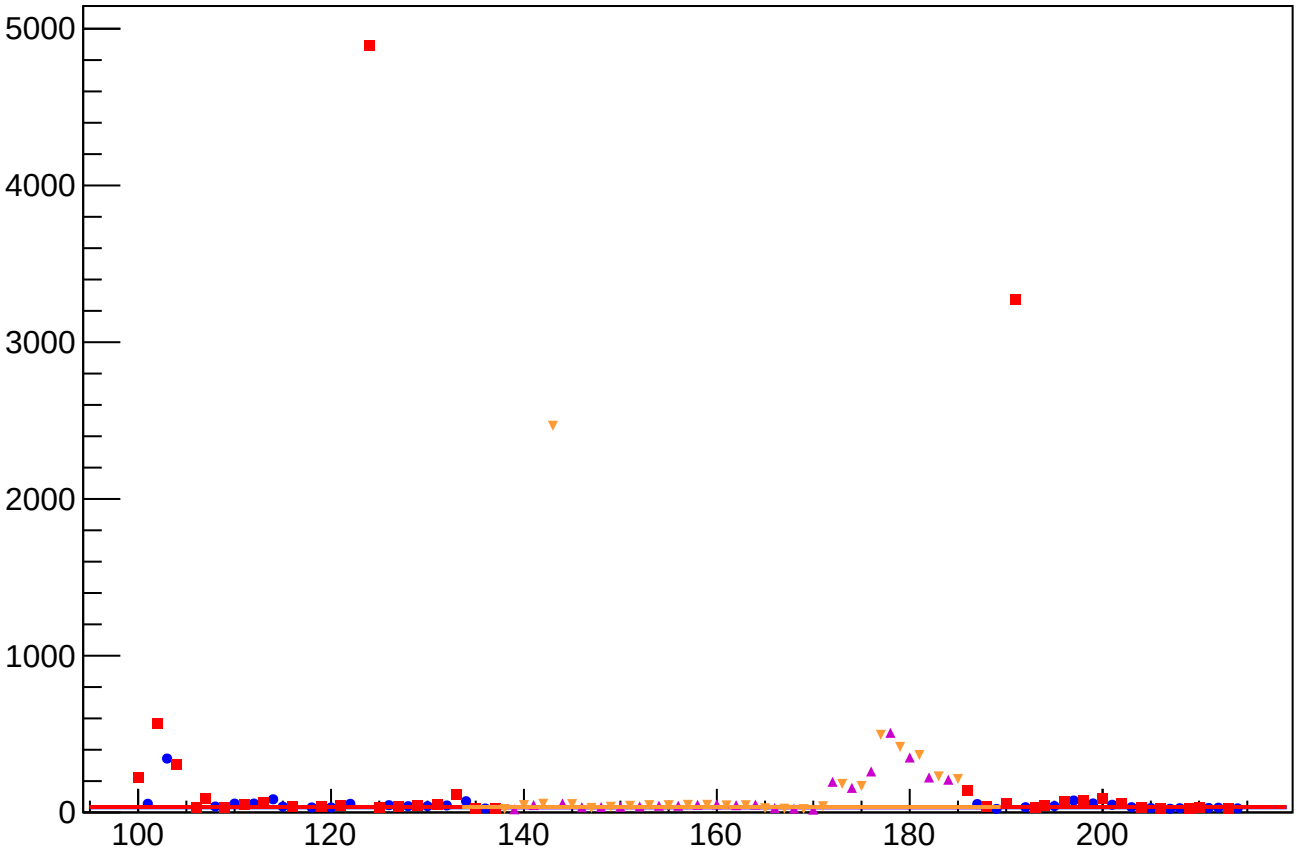
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 114.0/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.988+/-0.006 χ^2/NDF: 3730891.6/29

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

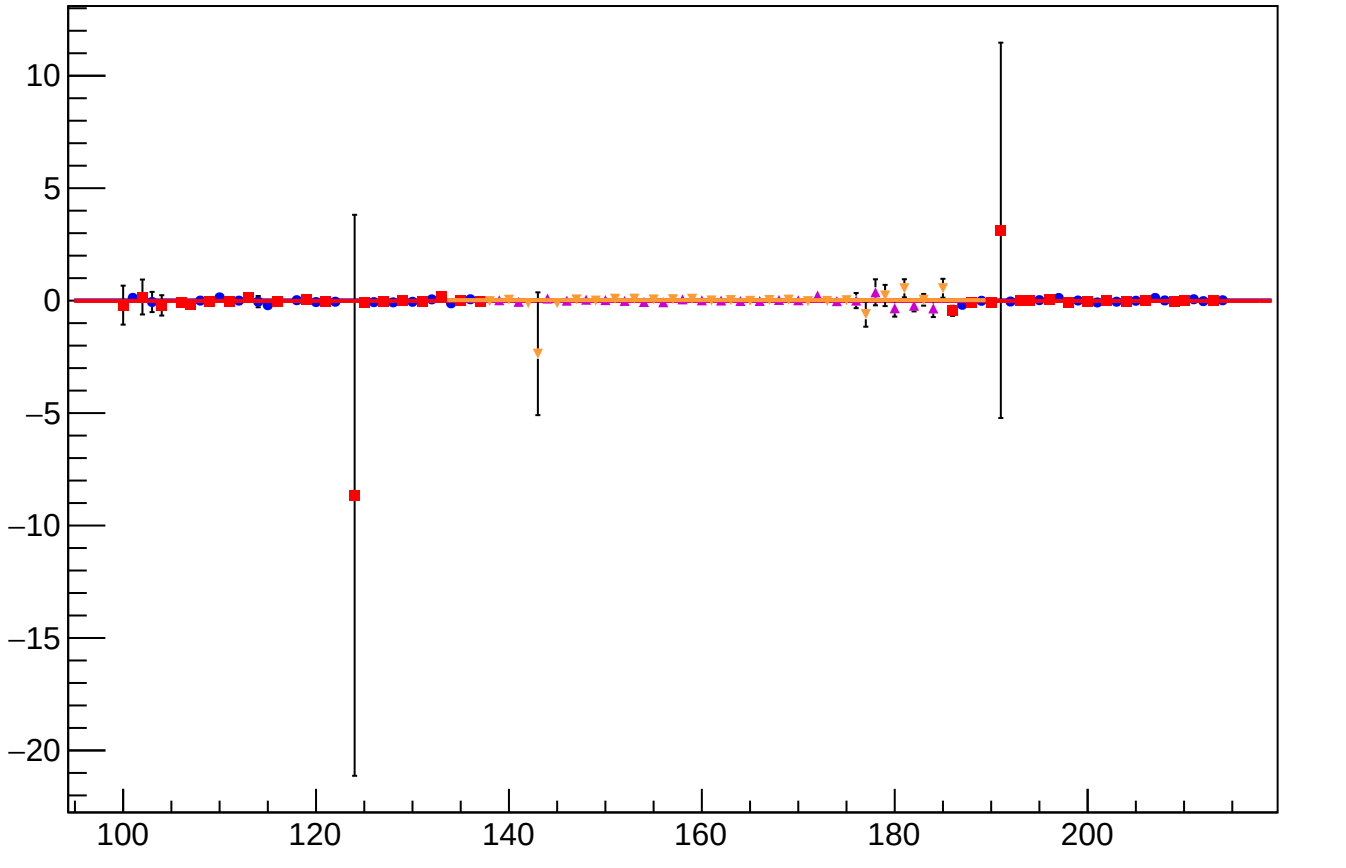
Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.696+/-0.005 χ^2/NDF: 15162549.9/54

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

- sign 34.235+/-0.005 χ^2/NDF: 16566411.8/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

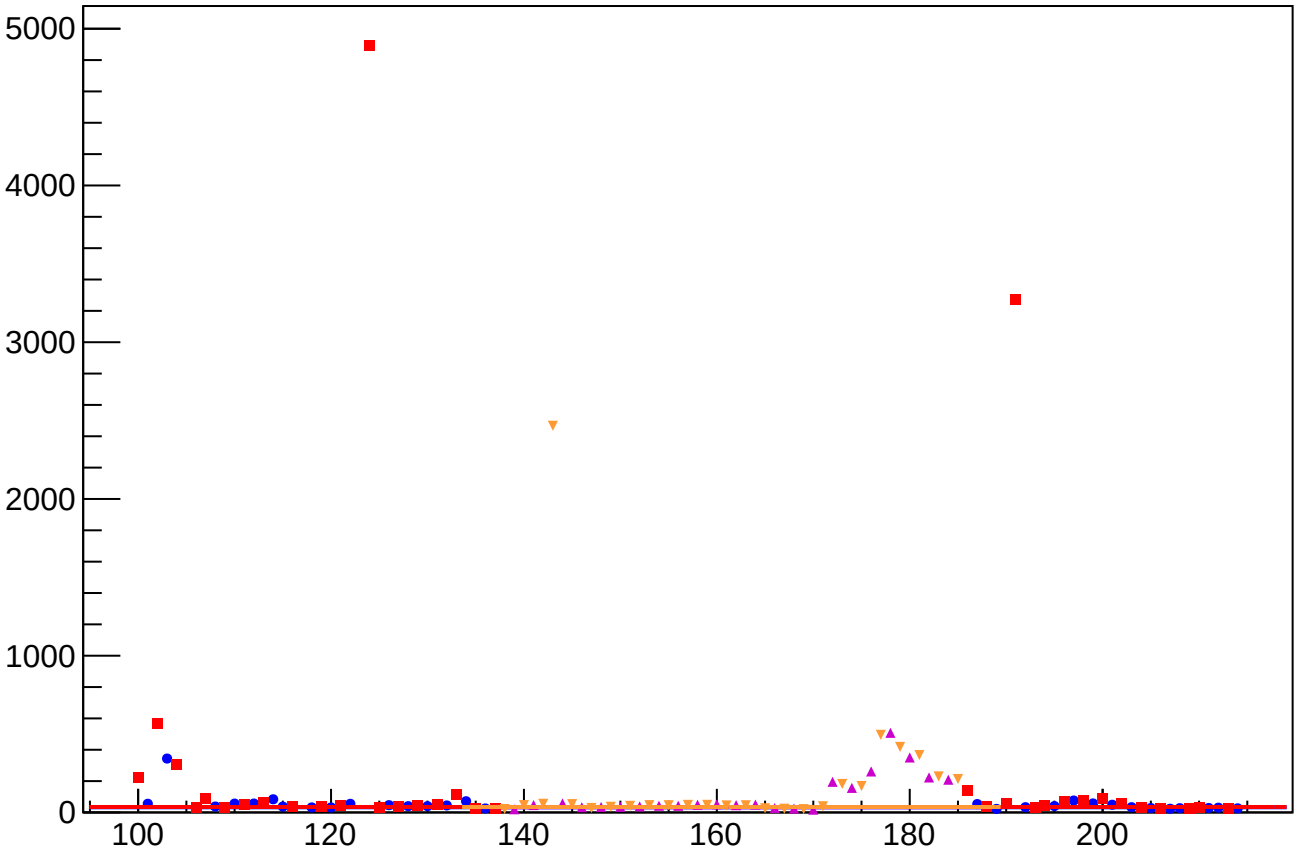
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 114.0/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.988+/-0.006 χ^2/NDF: 3730891.6/29

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

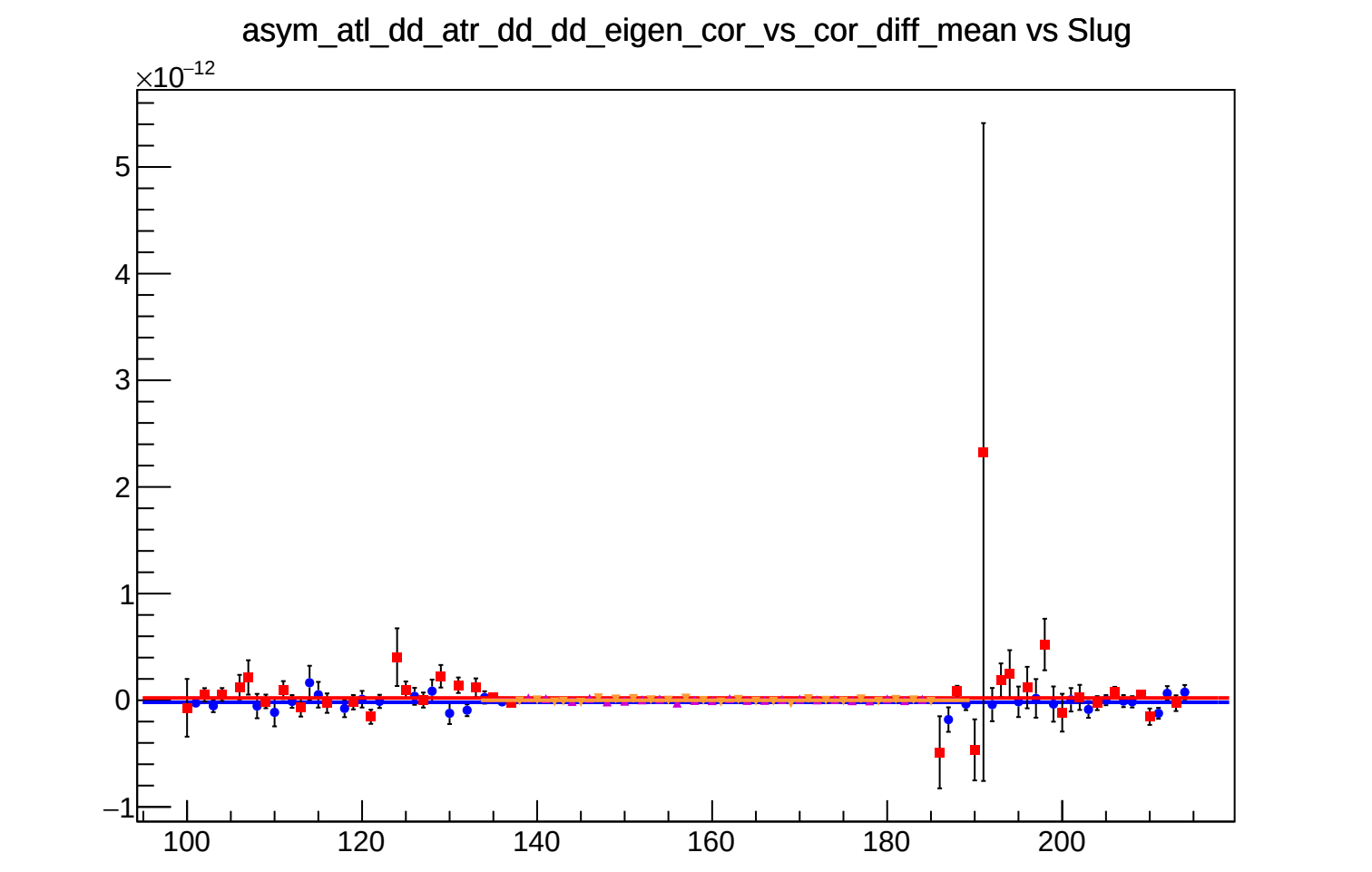
Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.696+/-0.005 χ^2/NDF: 15162549.9/54

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

- sign 34.235+/-0.005 χ^2/NDF: 16566411.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

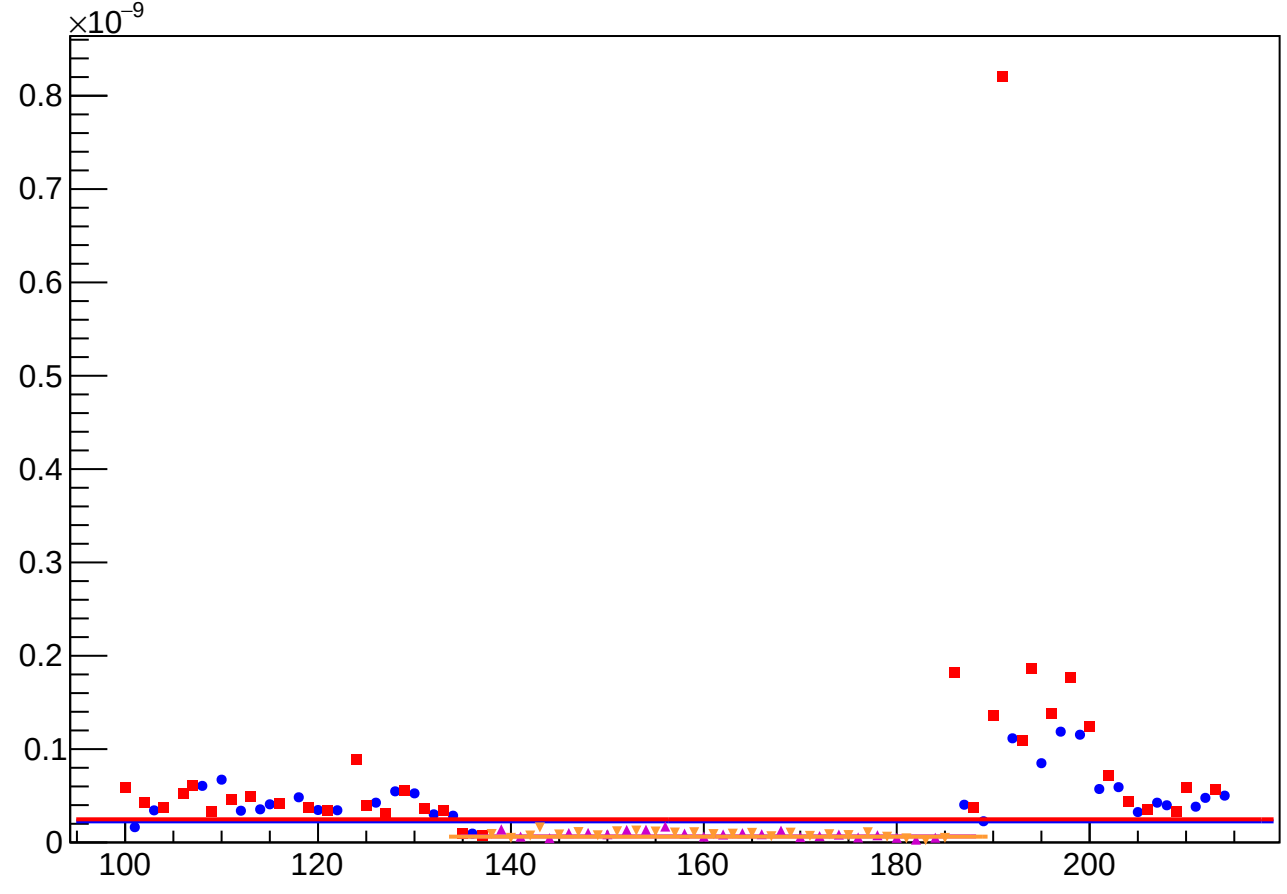
Right Out: 0.000+/-0.000 χ^2/NDF: 50.6/33

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/54

All: 0.000+/-0.000 χ^2/NDF: 126.1/111

- sign 0.000+/-0.000 χ^2/NDF: 74.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8115394.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10494220.0/33

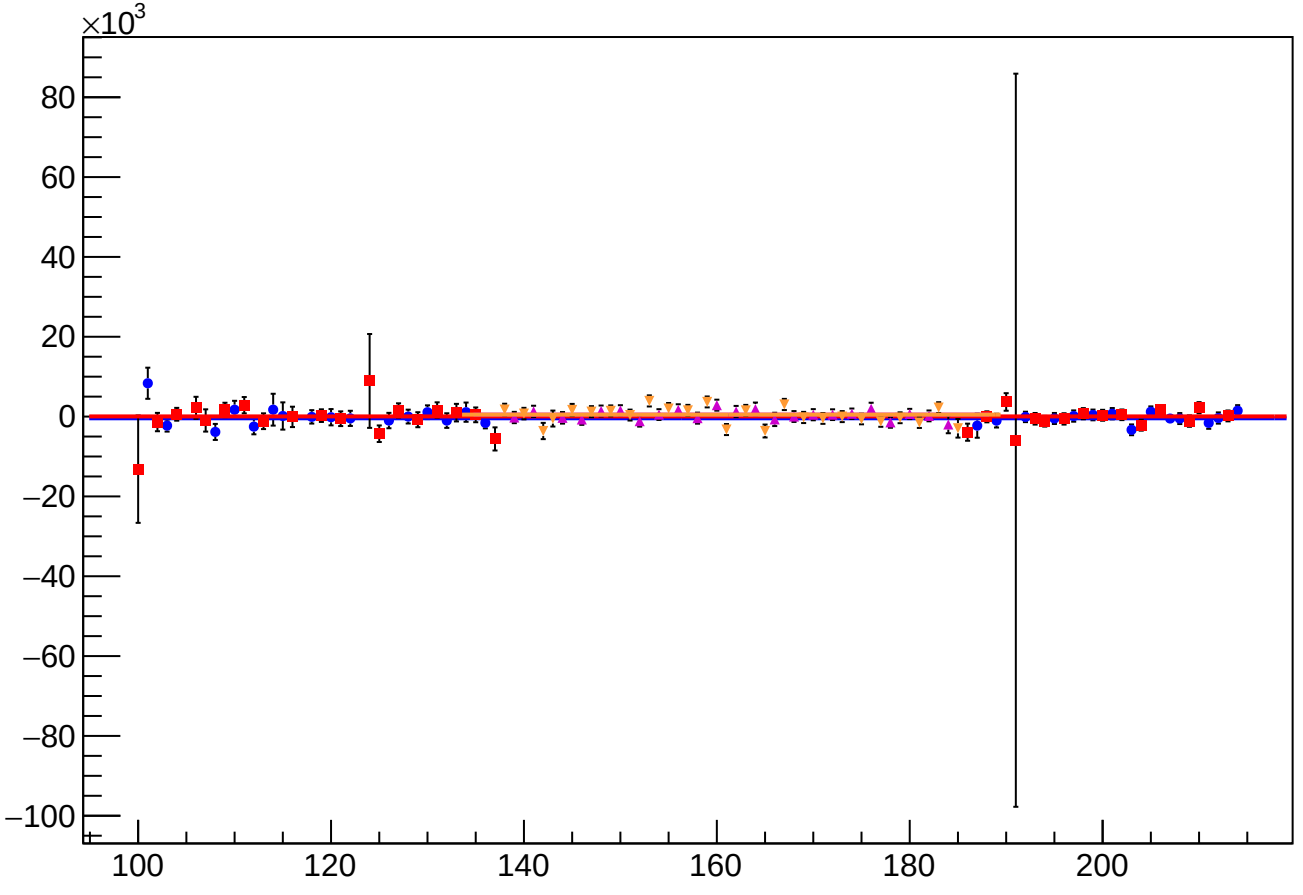
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 19796616.6/54

All: 0.000+/-0.000 χ^2/NDF: 41022461.9/111

- sign 0.000+/-0.000 χ^2/NDF: 21205226.3/56

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -426.592+/-300.975 χ^2/NDF: 24.5/29

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 43.378+/-300.709 χ^2/NDF: 31.1/33

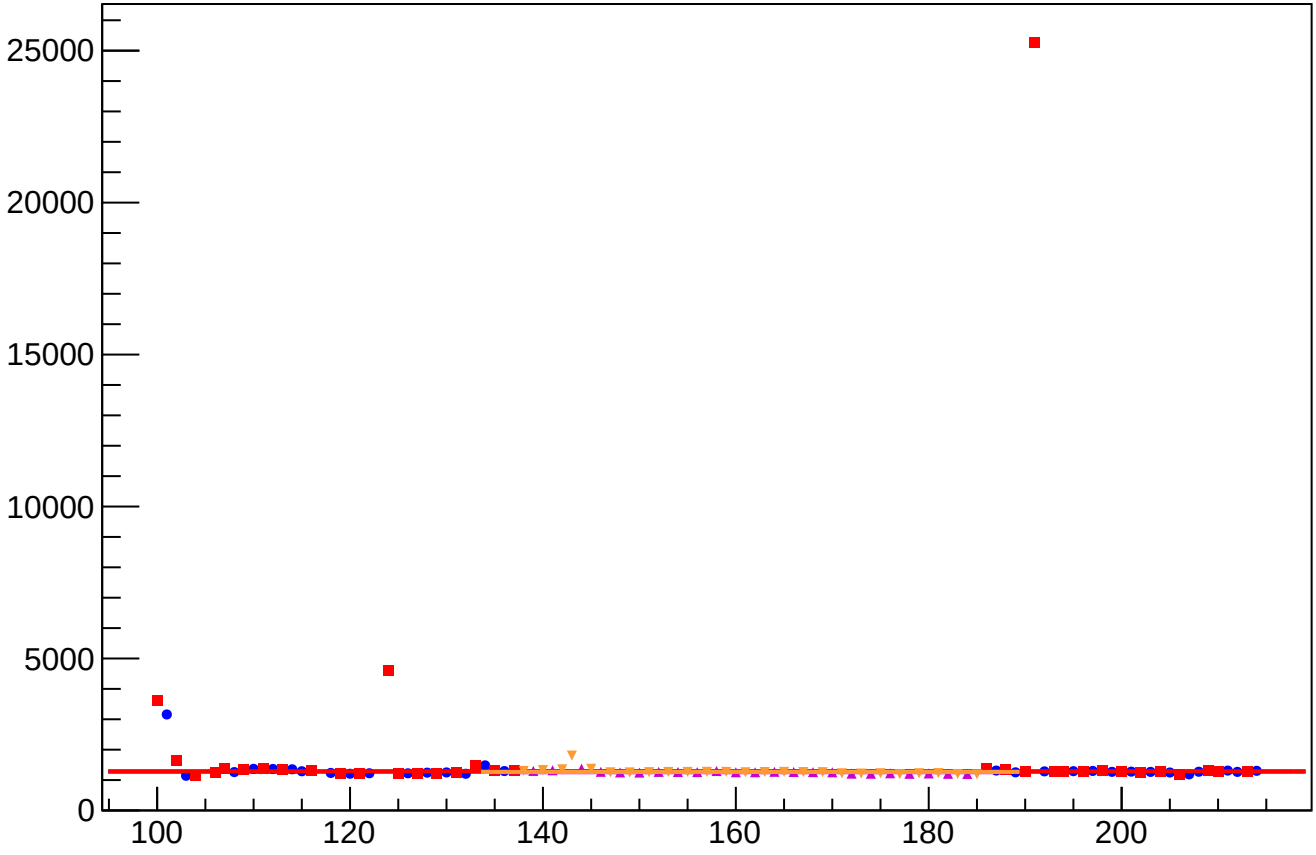
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 52.176+/-208.269 χ^2/NDF: 76.2/54

All: 160.252+/-147.924 χ^2/NDF: 123.4/111

- sign 270.276+/-210.137 χ^2/NDF: 46.7/56

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530239.1/29

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

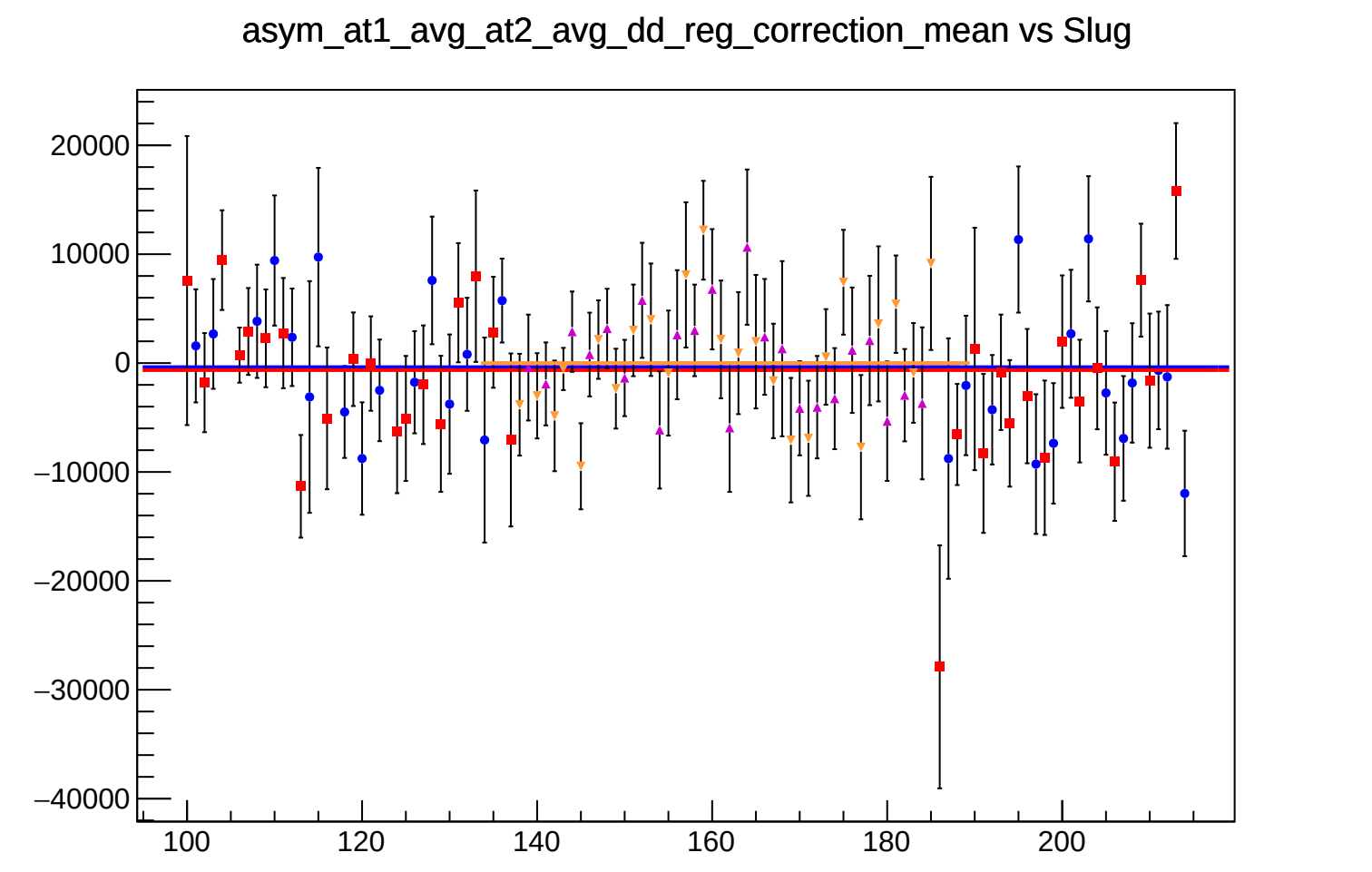
Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719374.8/54

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

- sign 1272.999+/-0.149 χ^2/NDF: 530876.1/56



Right In: -371.639+/-1019.500 χ^2/NDF: 32.8/29

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

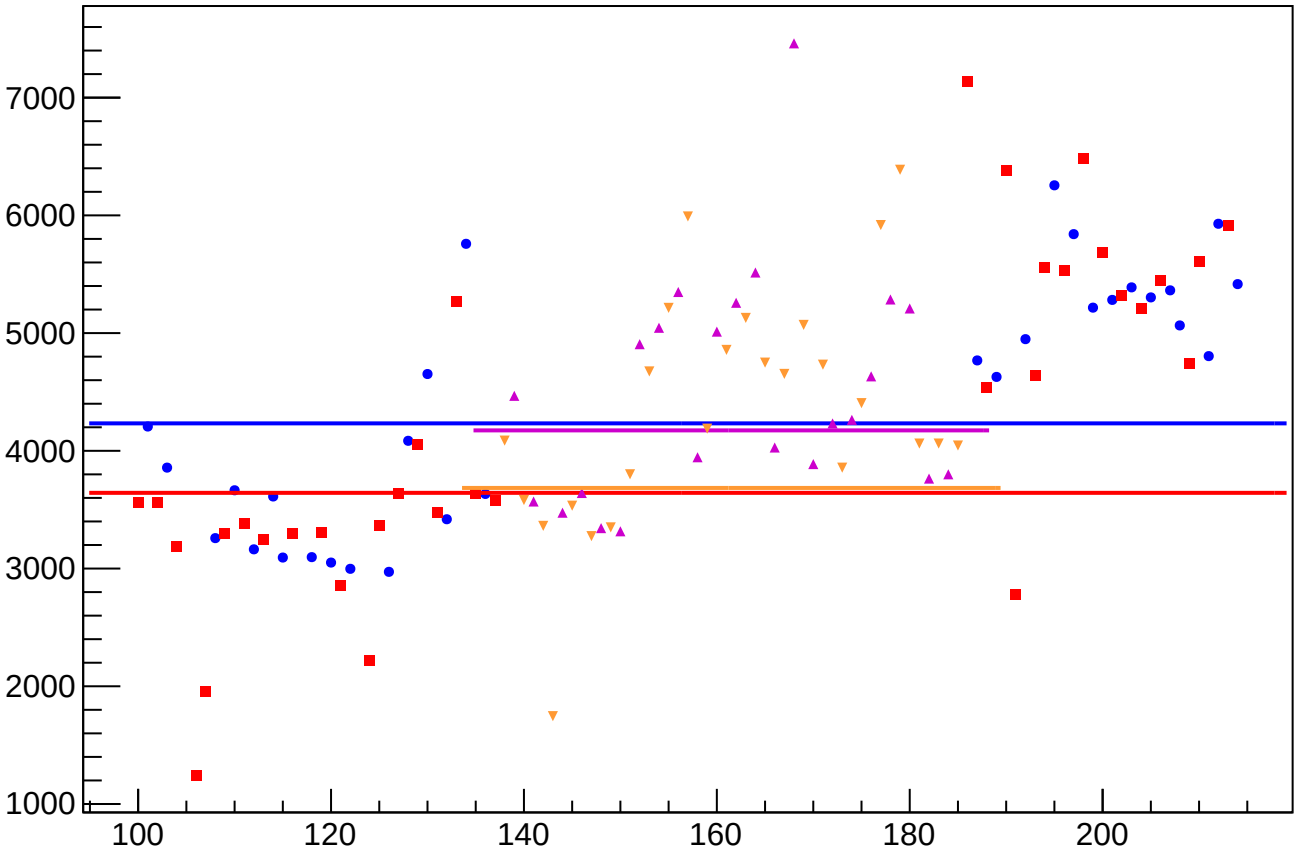
Right Out: -648.132+/-906.758 χ^2/NDF: 42.0/33

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -160.354+/-668.960 χ^2/NDF: 62.0/54

All: -264.225+/-473.503 χ^2/NDF: 118.3/111

- sign -368.515+/-670.311 χ^2/NDF: 56.3/56



Right In: 4233.221+/-0.721 χ^2/NDF: 1955213.8/29

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3643.091+/-0.641 χ^2/NDF: 5079409.7/33

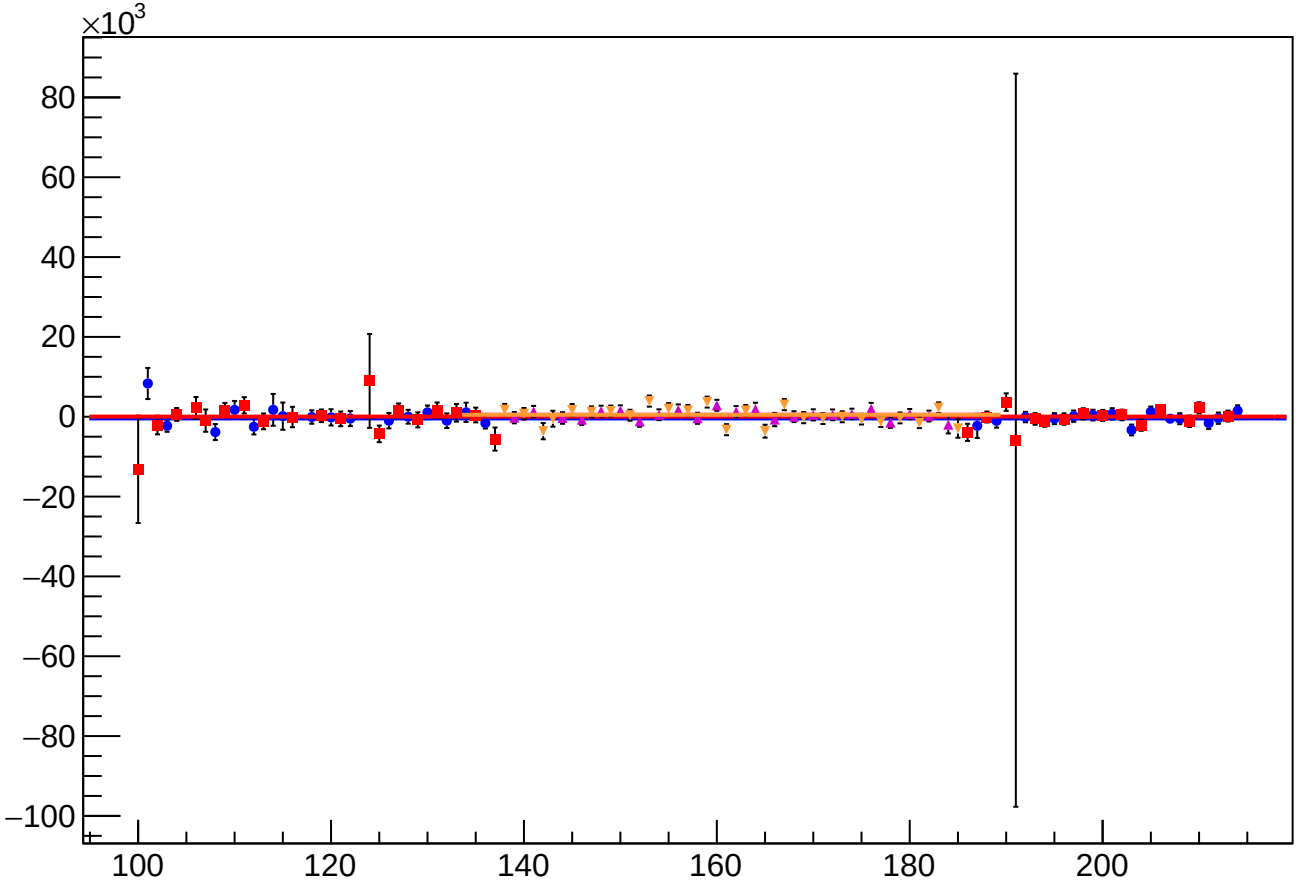
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3920.906+/-0.473 χ^2/NDF: 5978460.4/54

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1

\- sign 3883.671+/-0.474 χ^2/NDF: 6664807.5/56

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

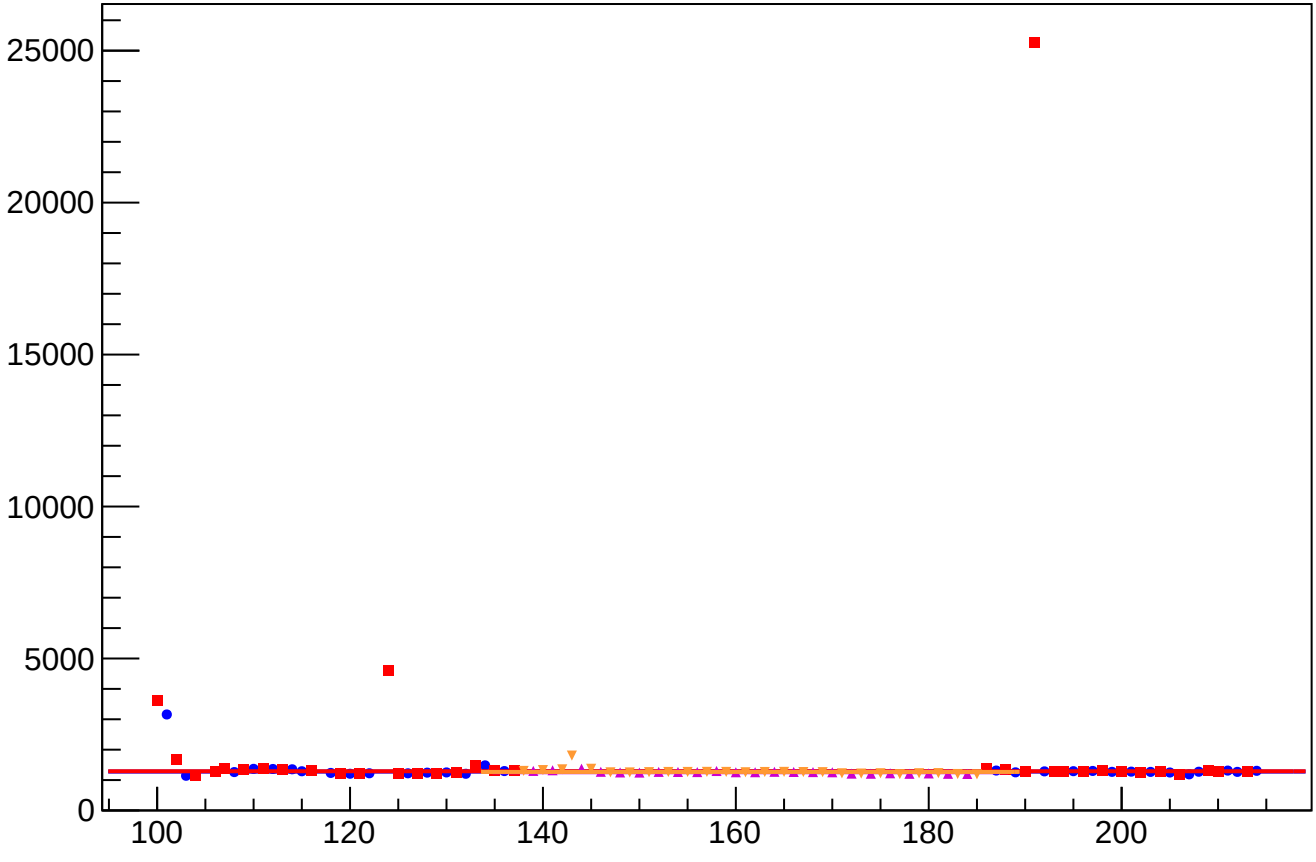
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

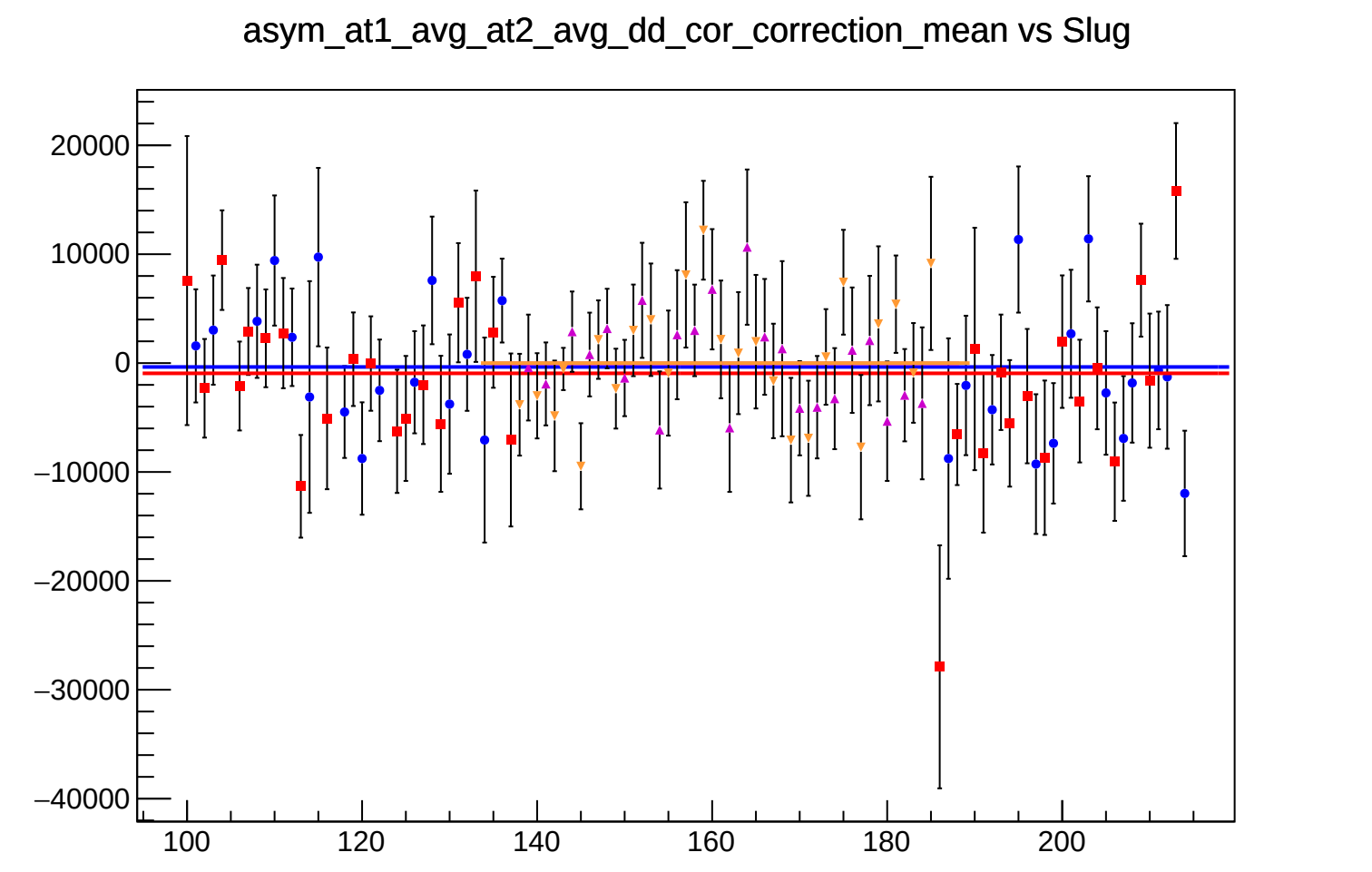
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

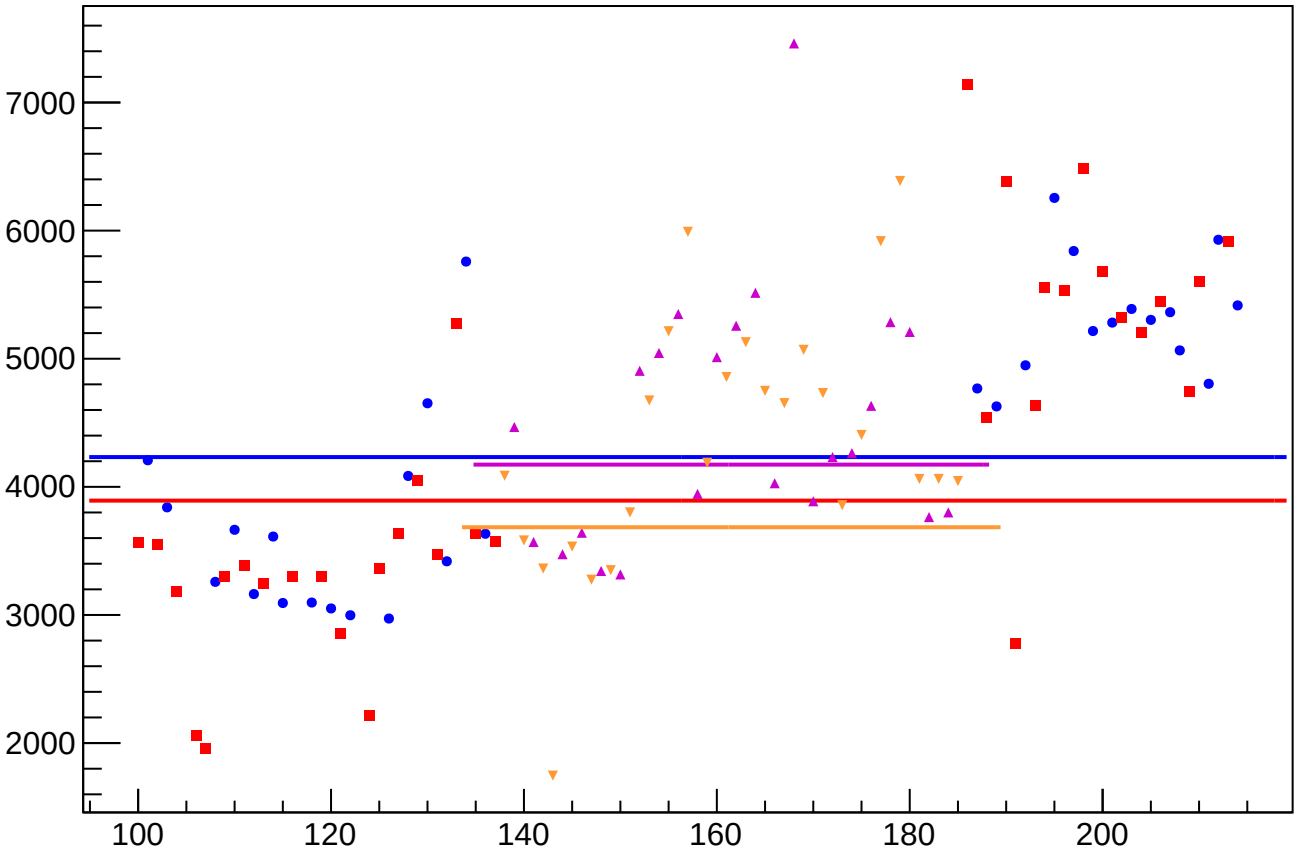
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

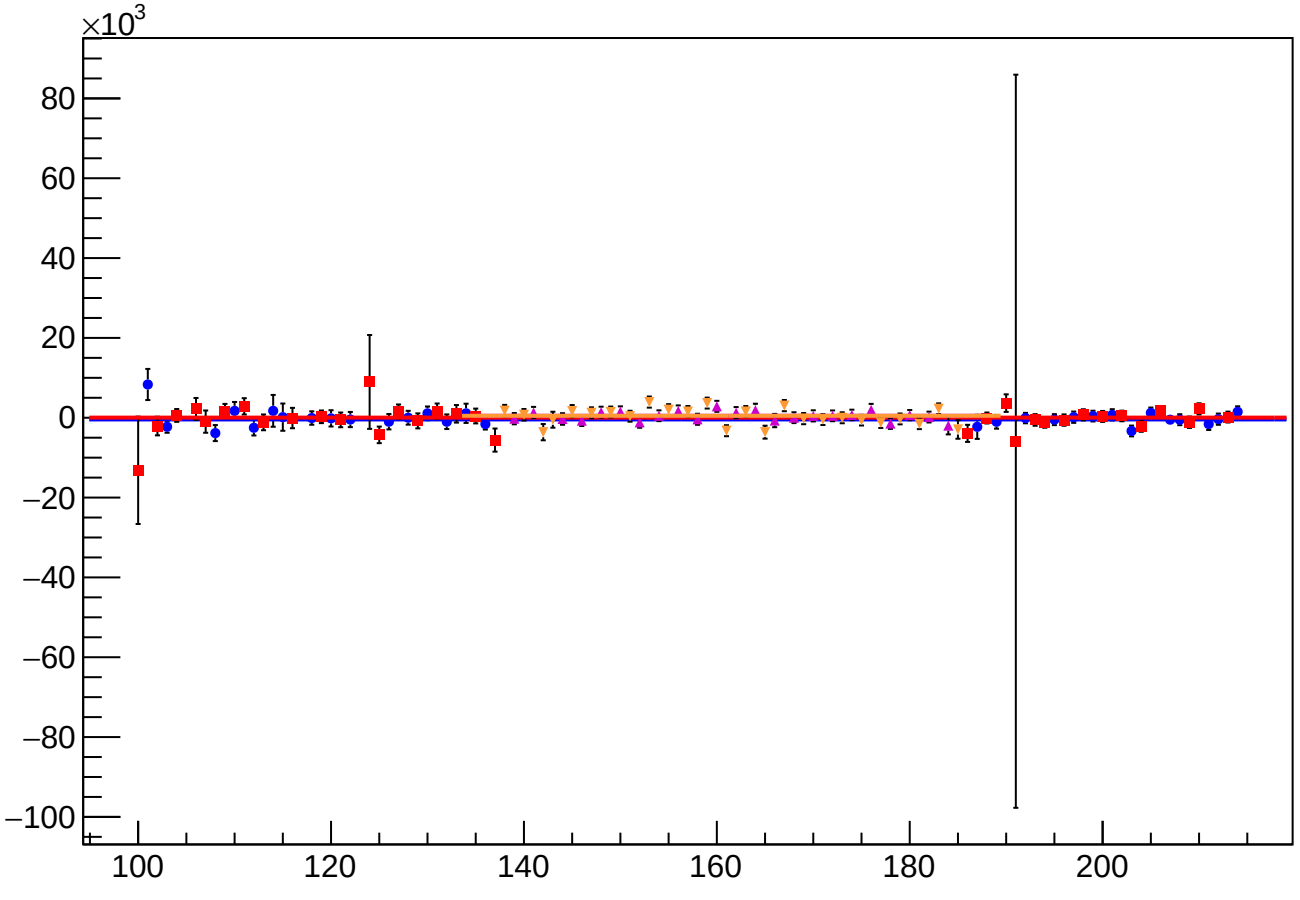
Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

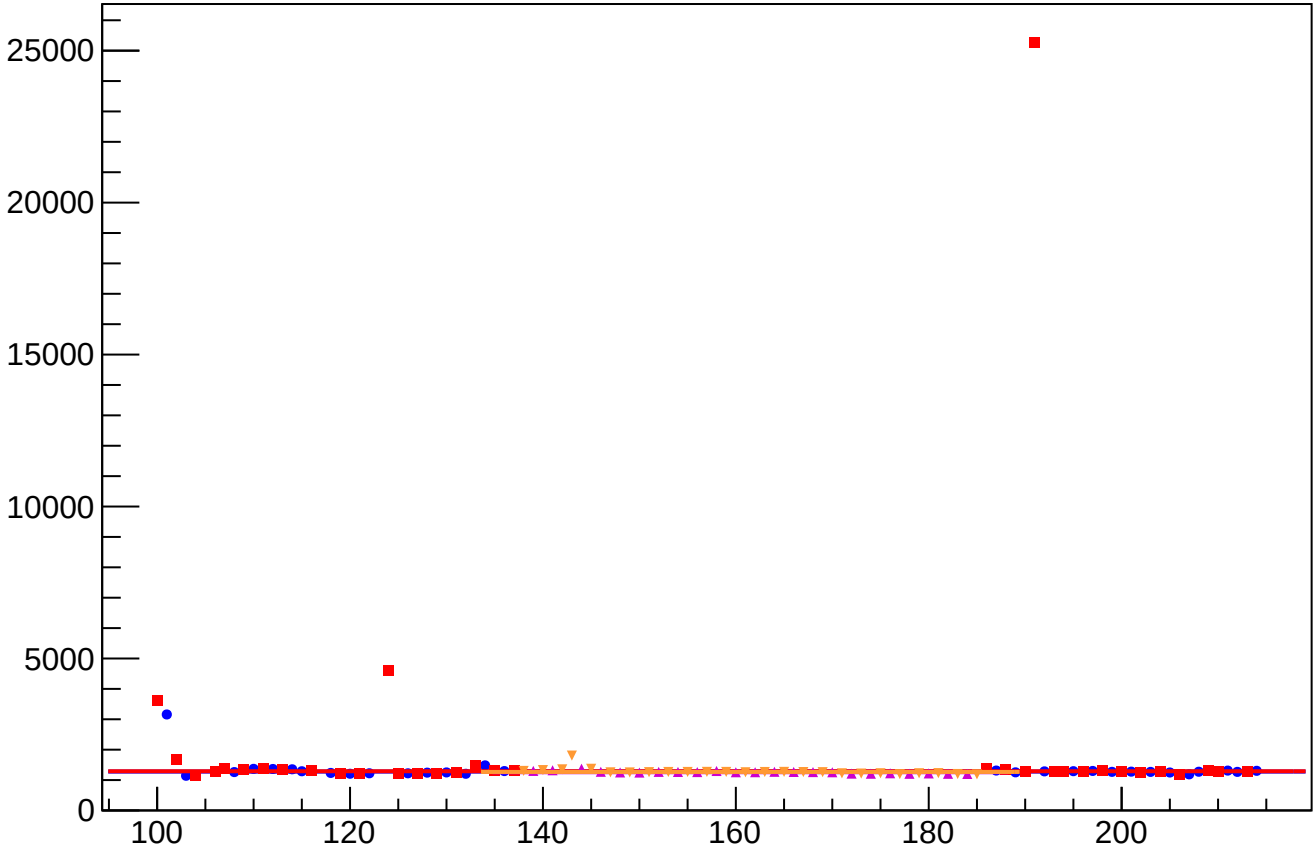
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

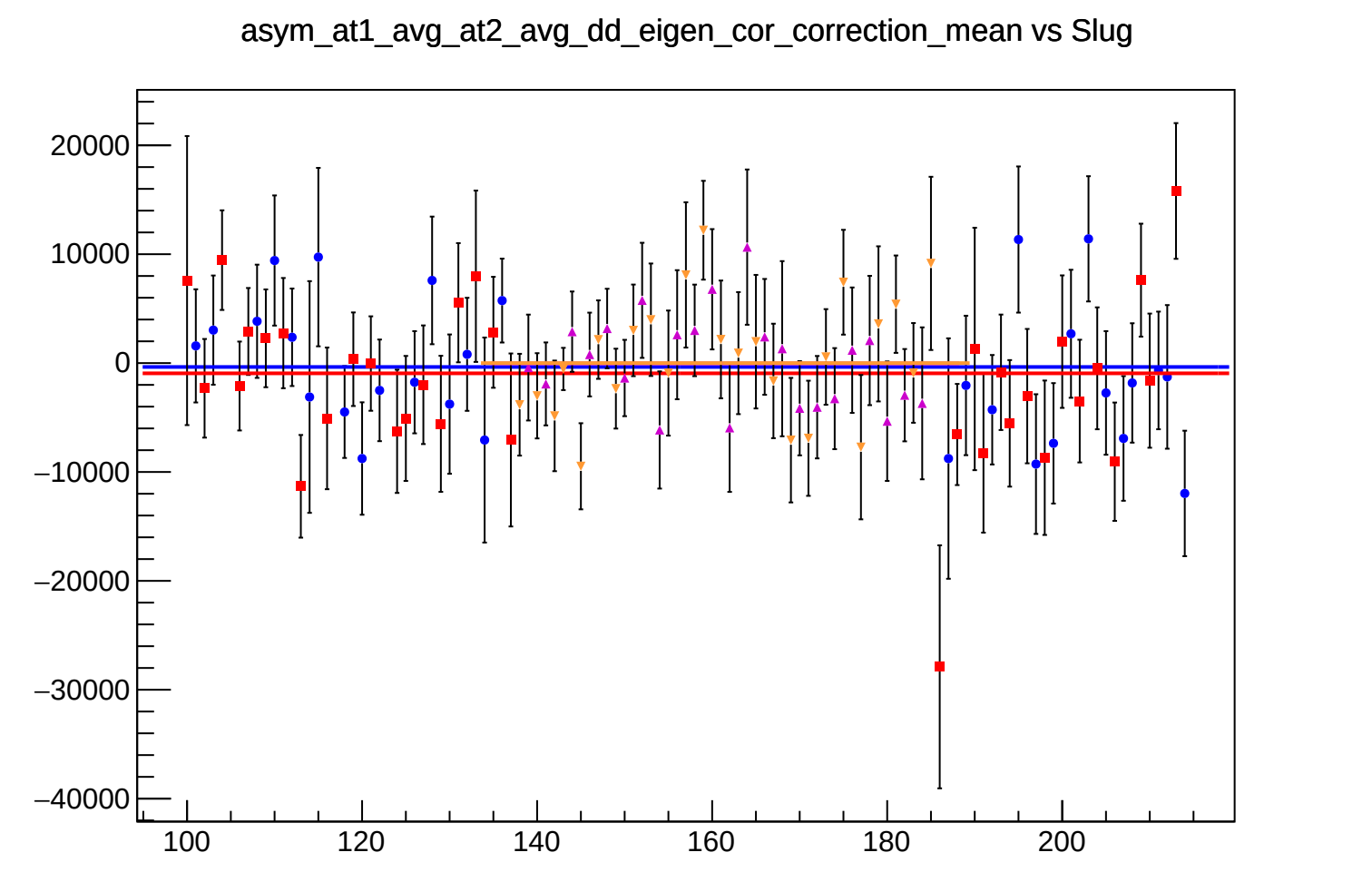
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

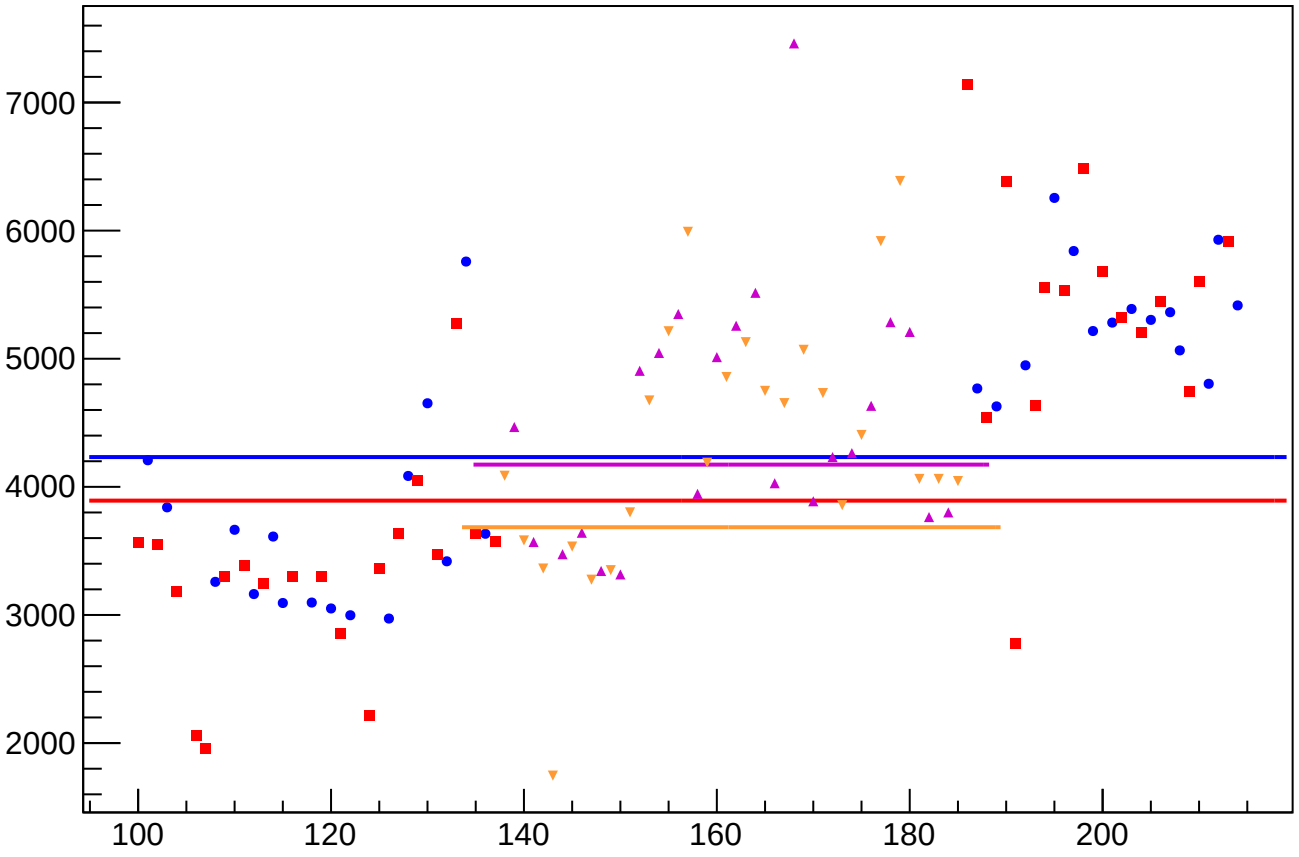
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

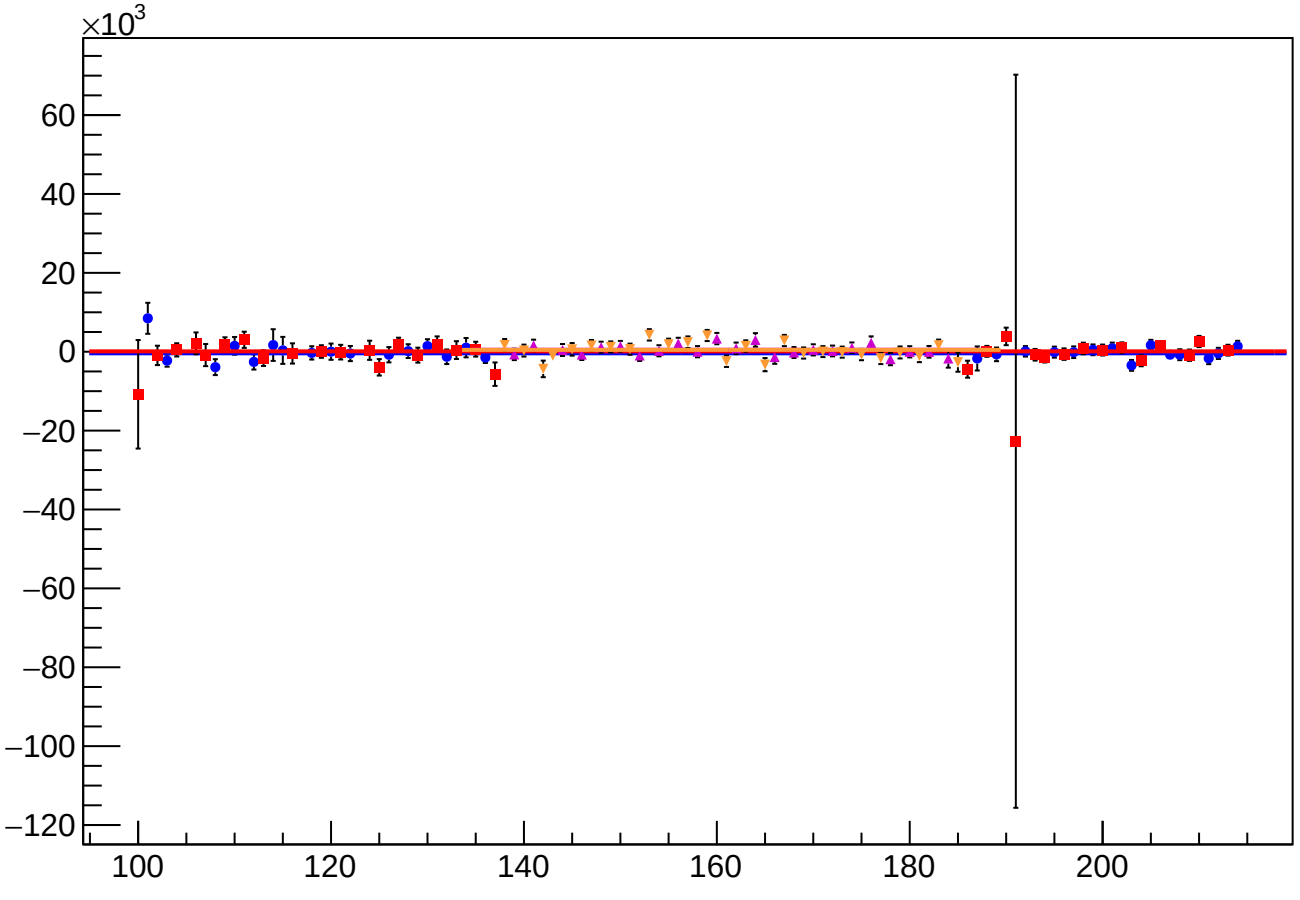
Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

\- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.184+/-303.071 χ^2/NDF: 32.7/33

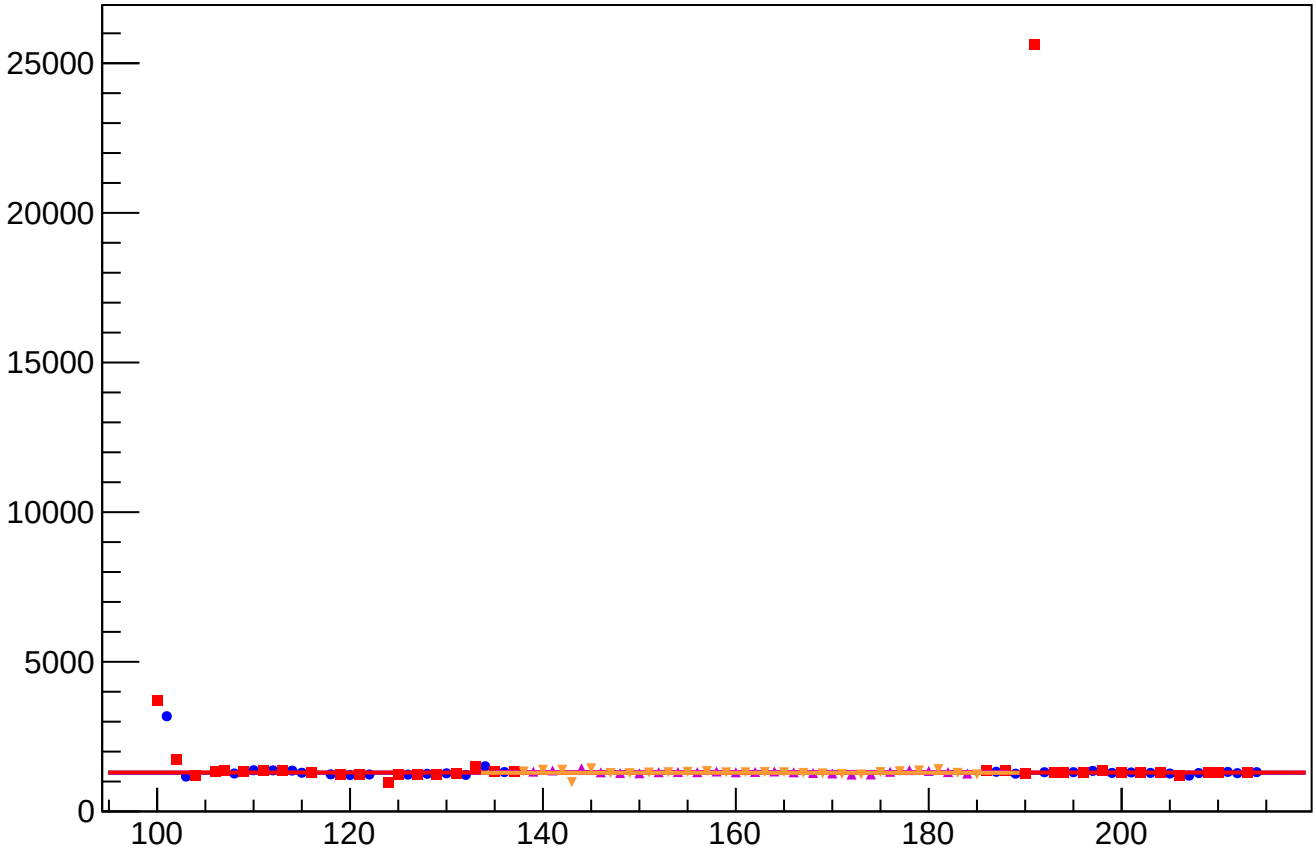
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 48.884+/-211.735 χ^2/NDF: 74.0/54

All: 170.248+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.698 χ^2/NDF: 51.0/56

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.1/29

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

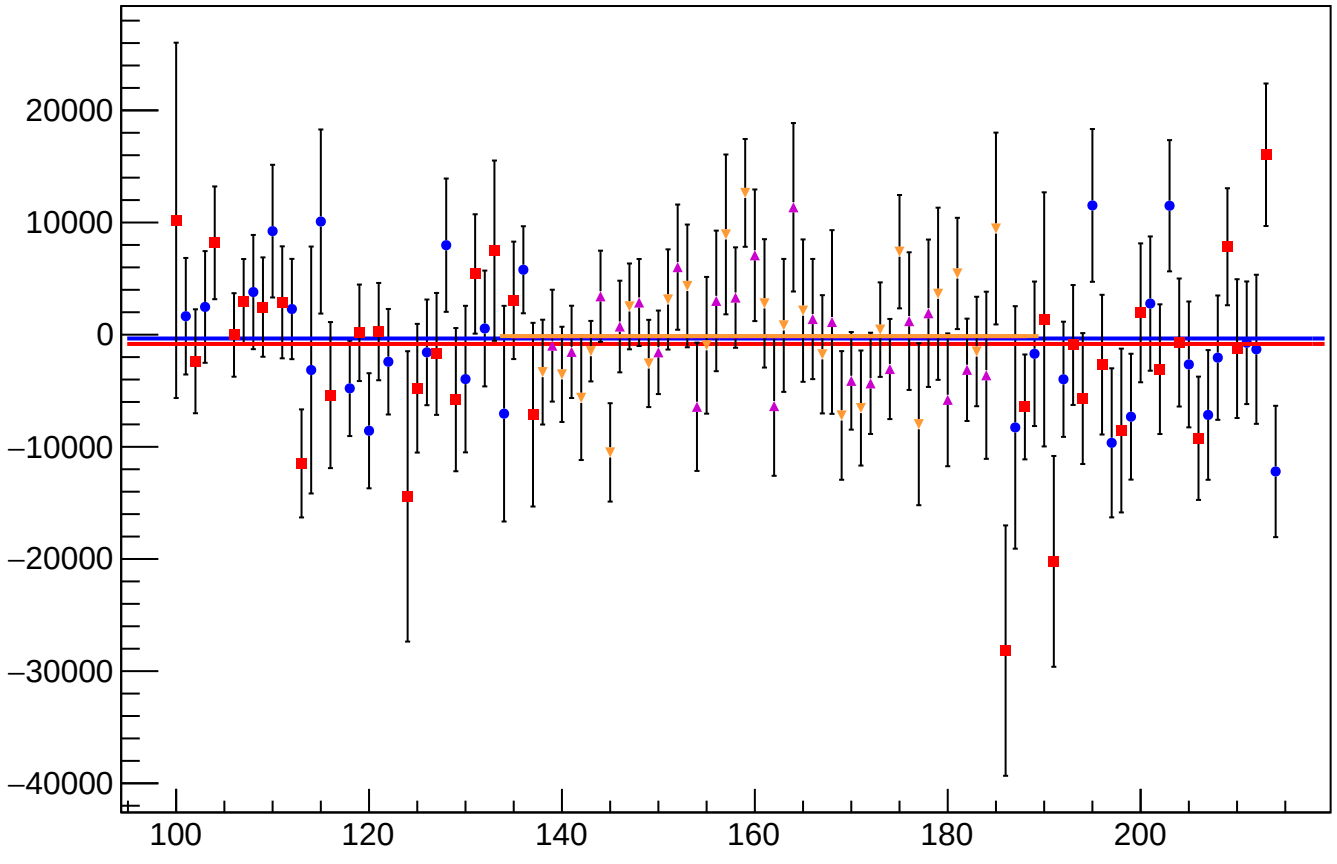
Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761026.8/54

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11

- sign 1307.401+/-0.152 χ^2/NDF: 423221.0/56



Right In: -341.222+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

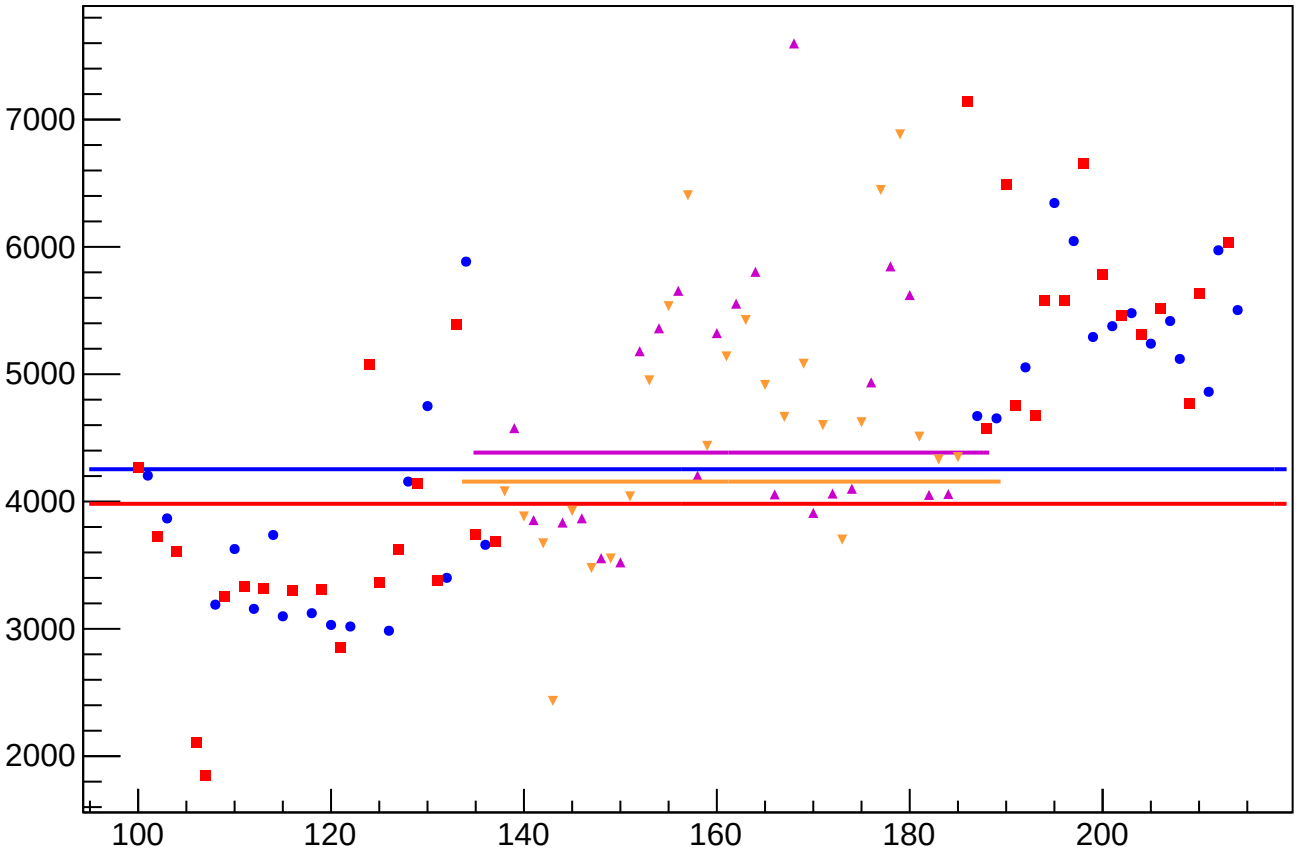
Right Out: -828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -229.082+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.017+/-707.378 χ^2/NDF: 57.4/56



Right In: 4253.700+/-0.725 χ^2/NDF: 2056180.5/29

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

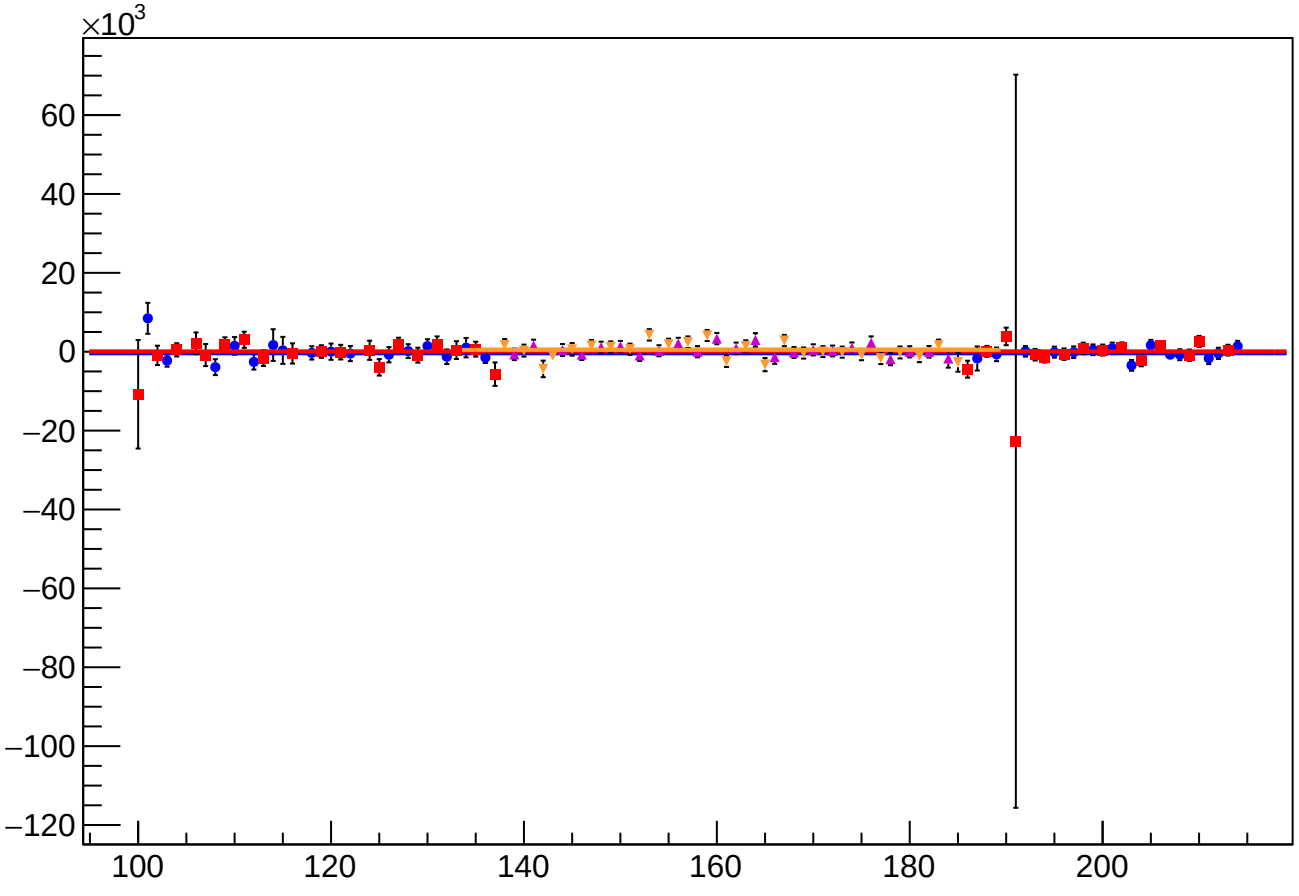
Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4202.796+/-0.500 χ^2/NDF: 4146346.3/54

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11

- sign 4166.225+/-0.500 χ^2/NDF: 4900580.1/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.185+/-303.071 χ^2/NDF: 32.7/33

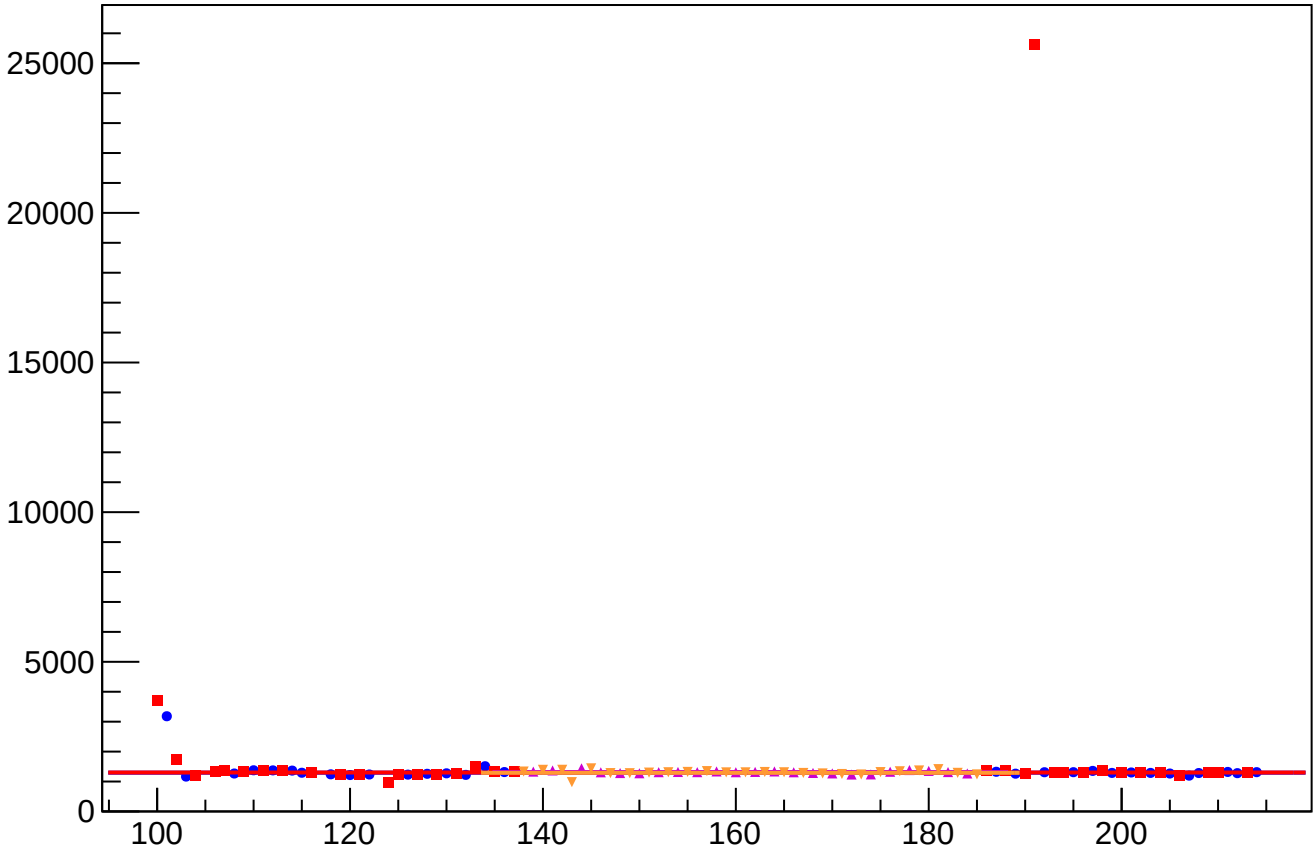
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 48.885+/-211.735 χ^2/NDF: 74.0/54

All: 170.249+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.699 χ^2/NDF: 51.0/56

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.2/29

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

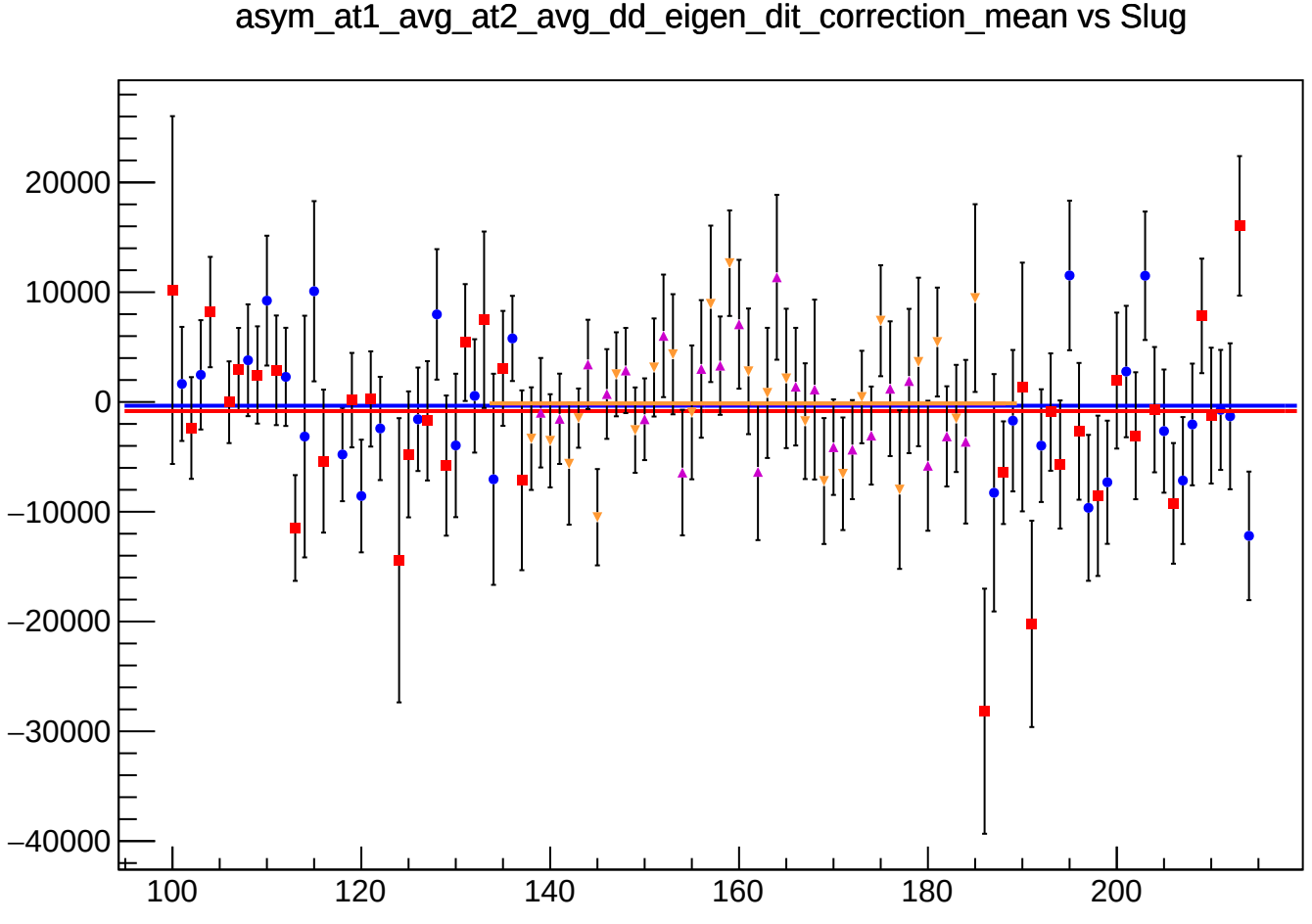
Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761029.3/54

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11

- sign 1307.402+/-0.152 χ^2/NDF: 423223.6/56



Right In: -341.225+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

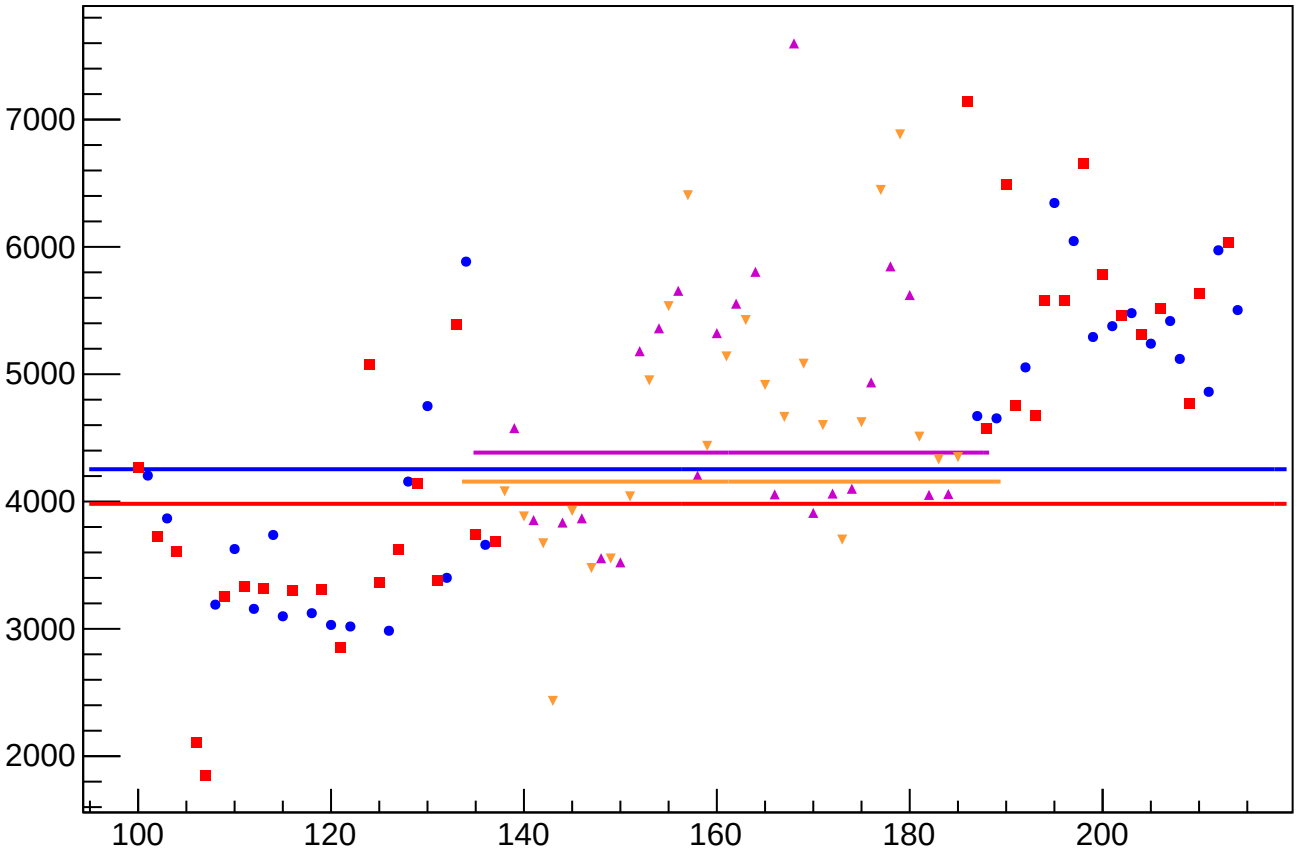
Right Out: -828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -229.083+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.015+/-707.379 χ^2/NDF: 57.4/56



Right In: 4253.695+/-0.725 χ^2/NDF: 2056216.9/29

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

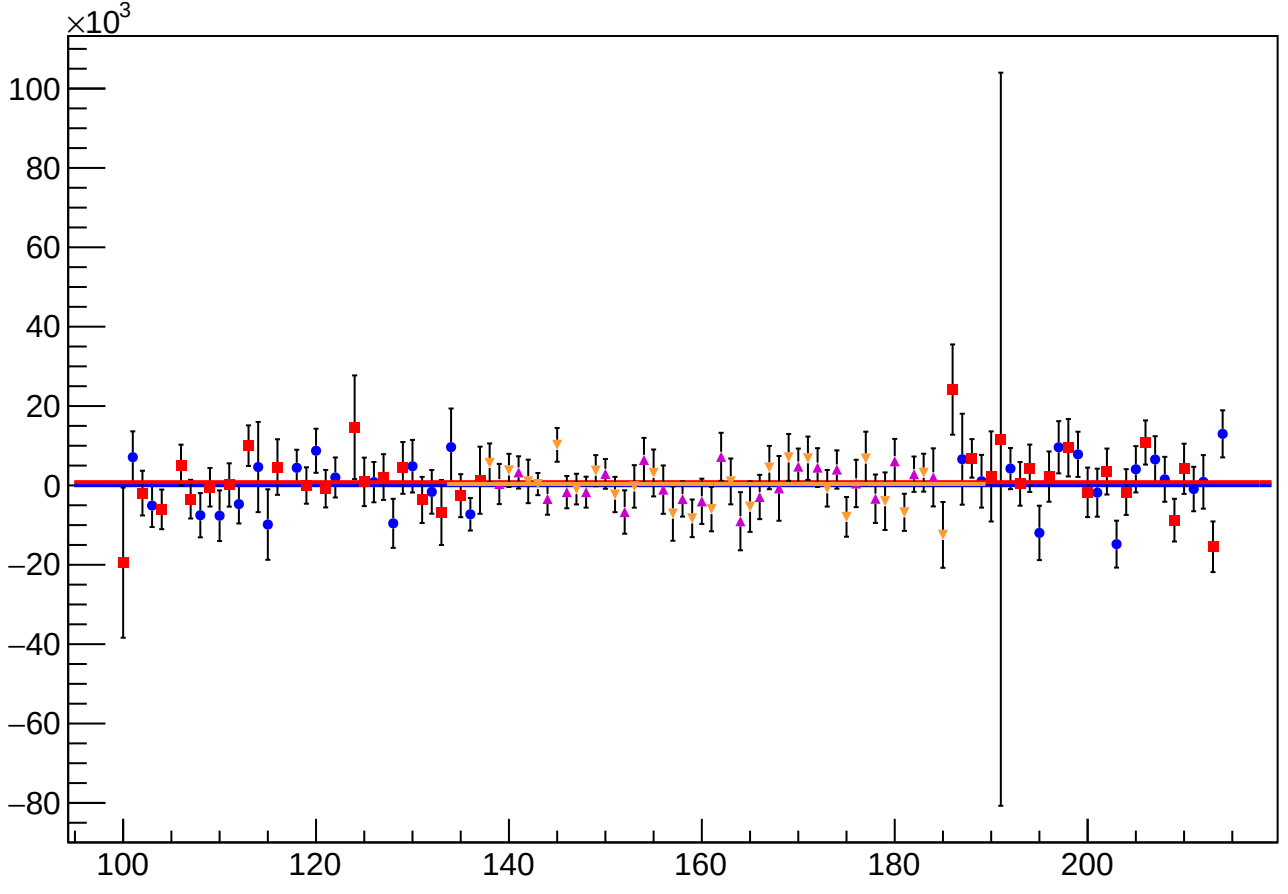
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4202.797+/-0.500 χ^2/NDF: 4146383.4/54

All: 4184.508+/-0.354 χ^2/NDF: 9049684.7/11

- sign 4166.224+/-0.500 χ^2/NDF: 4900628.6/56

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: 54.633+/-1079.312 χ^2/NDF: 39.5/29

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 822.015+/-1039.558 χ^2/NDF: 33.2/33

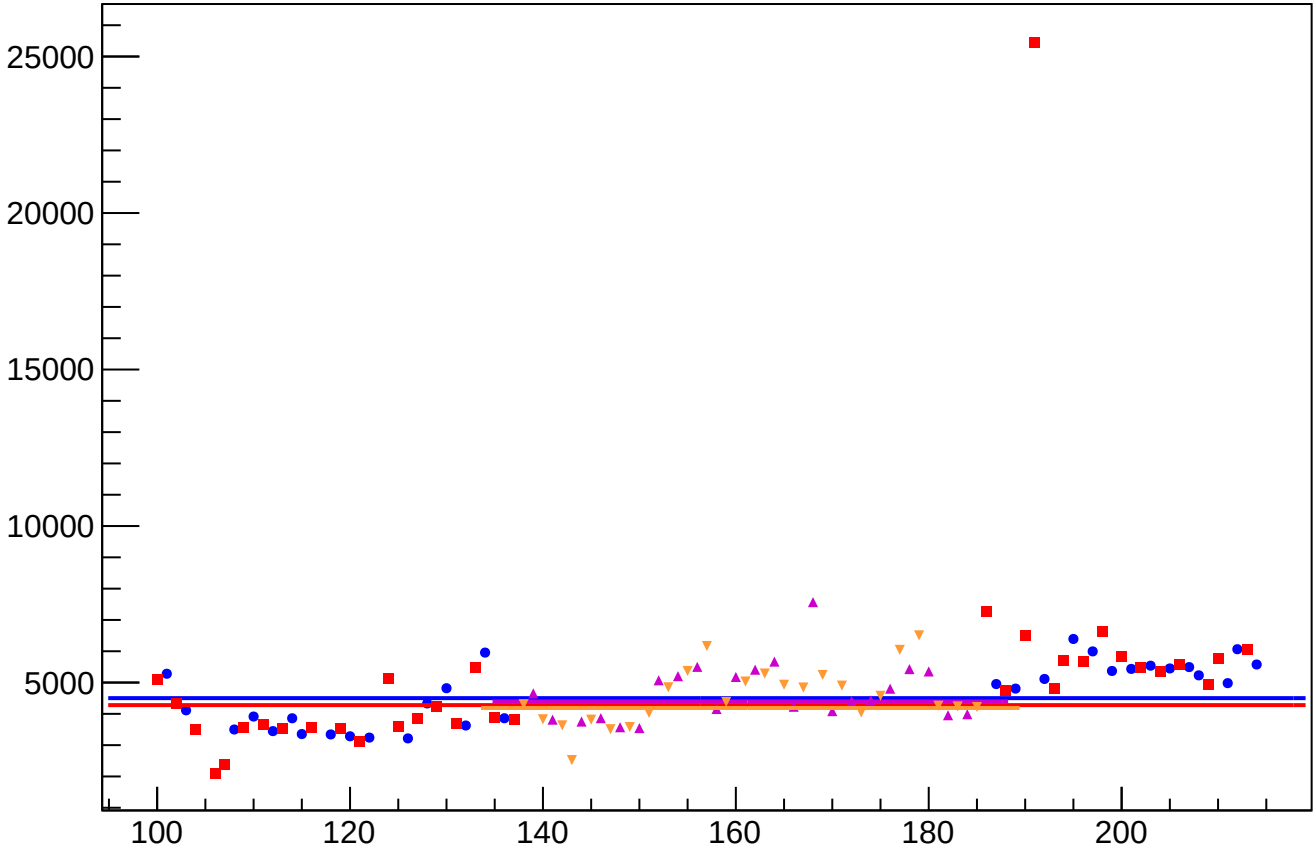
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 223.416+/-725.484 χ^2/NDF: 67.2/54

All: 438.583+/-516.981 χ^2/NDF: 114.5/111

- sign 660.570+/-736.892 χ^2/NDF: 47.1/56

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4501.866+/-0.763 χ^2/NDF: 1660246.7/29

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

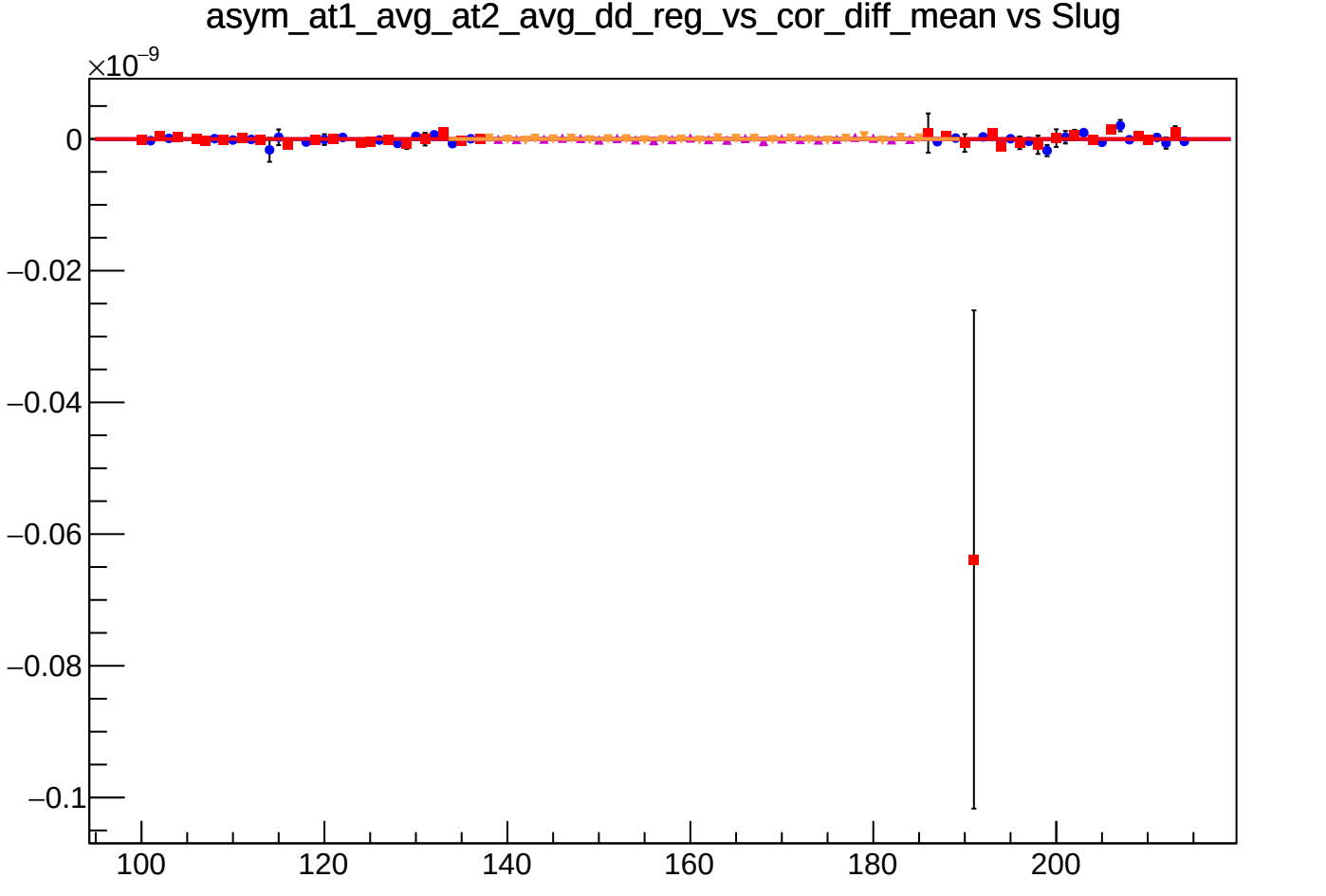
Right Out: 4278.738+/-0.729 χ^2/NDF: 2771161.8/33

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4329.727+/-0.513 χ^2/NDF: 3549398.3/54

All: 4332.710+/-0.365 χ^2/NDF: 7421427.4/11

- sign 4335.762+/-0.519 χ^2/NDF: 3871960.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

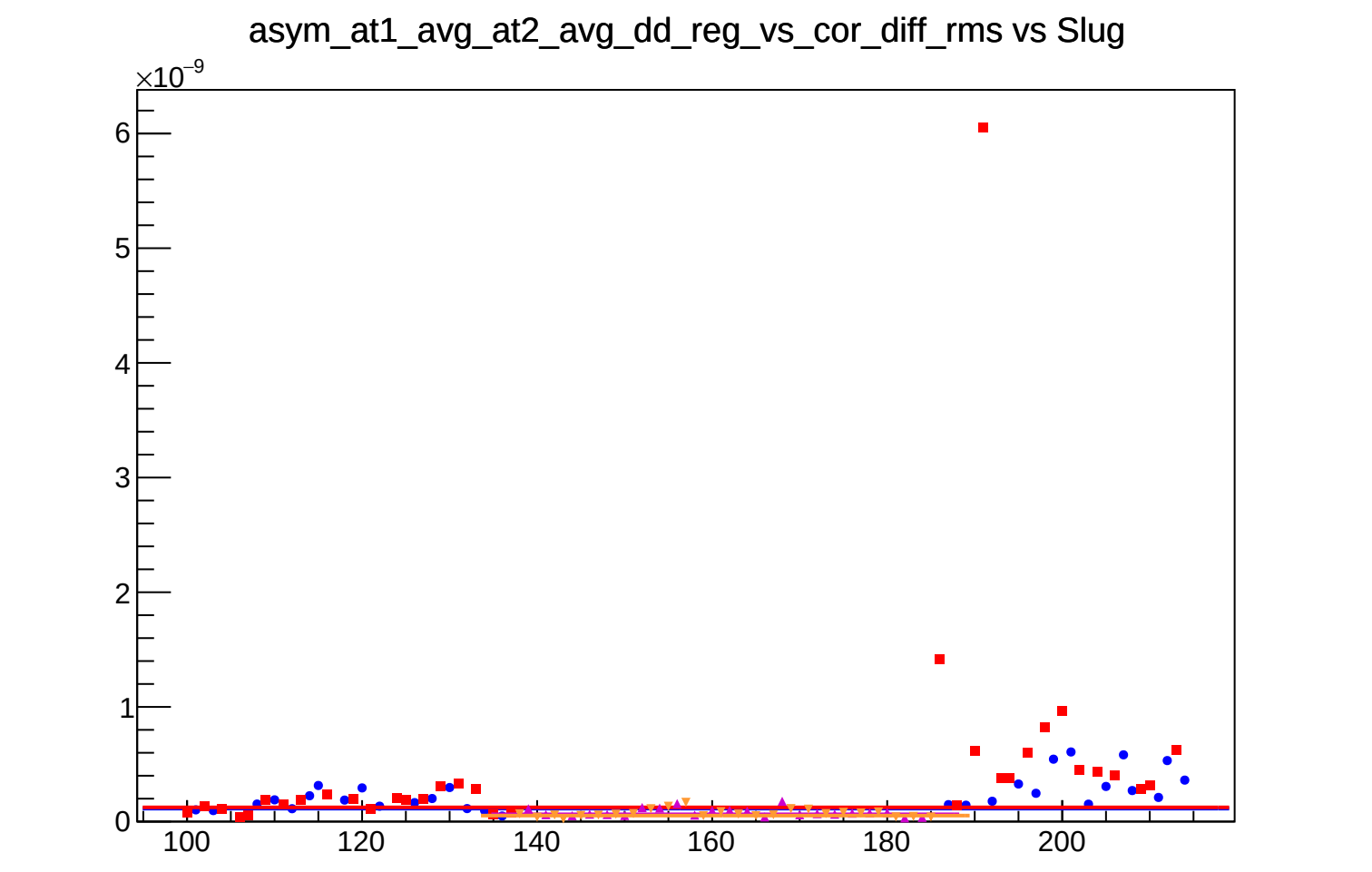
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/33

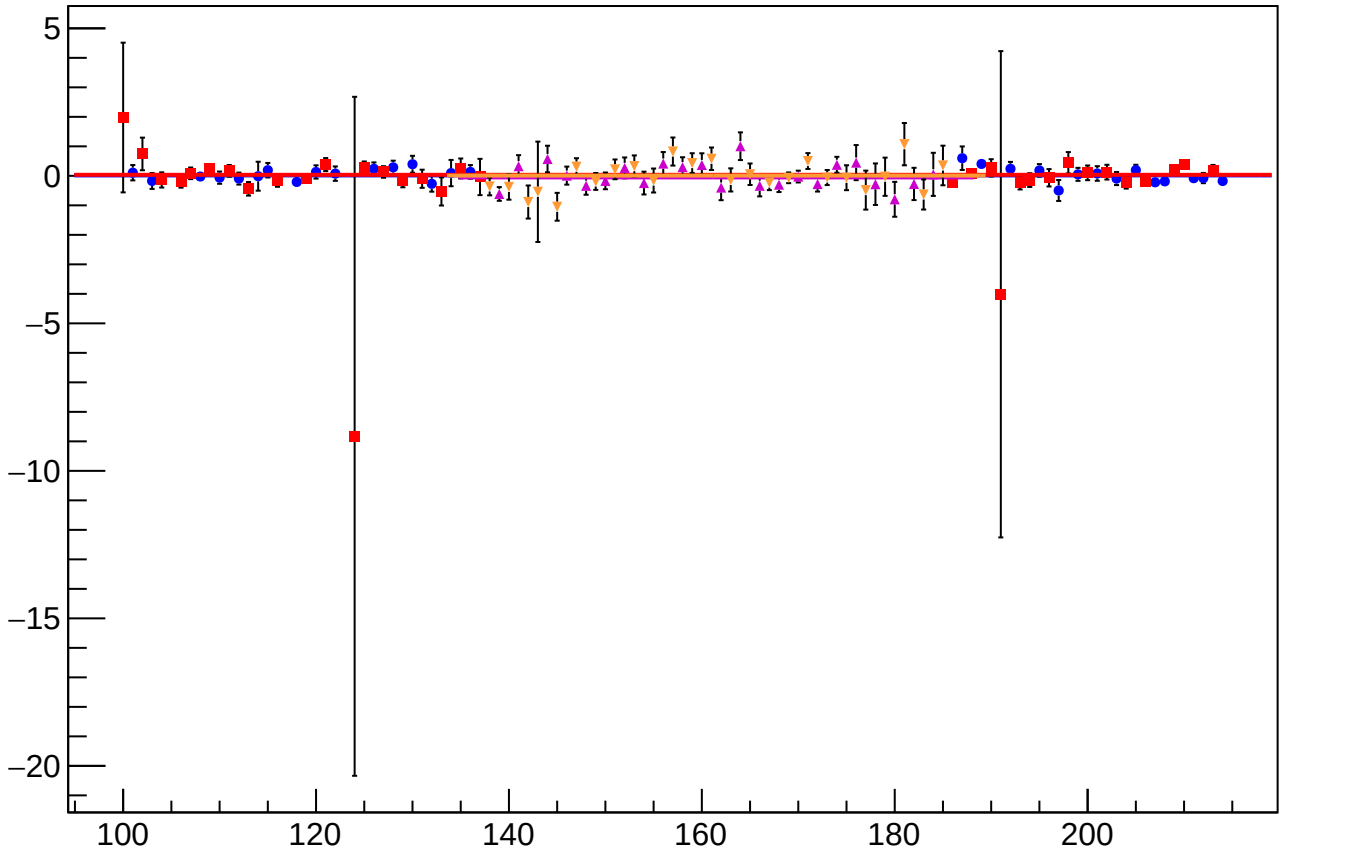
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.2/54

All: -0.000+/-0.000 χ^2/NDF: 118.8/111

- sign -0.000+/-0.000 χ^2/NDF: 52.4/56


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
Right In: 0.000+/-0.000 χ²/NDF: 5327561.7/29
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7511016.6/33
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 10101048.3/54
All: 0.000+/-0.000 χ²/NDF: 21413077.3/111
- sign 0.000+/-0.000 χ²/NDF: 11026693.3/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

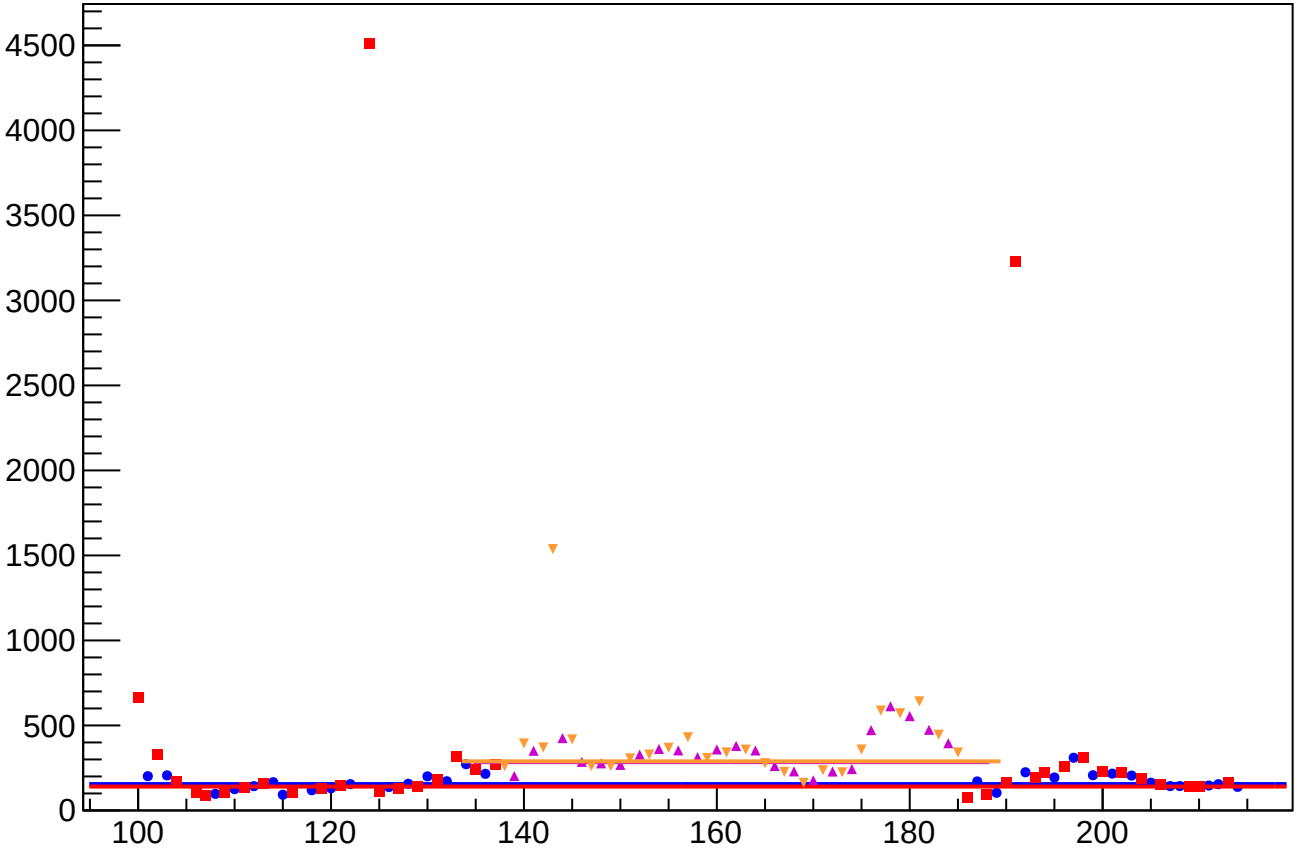
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 155.156+/-0.027 χ^2/NDF: 2285825.9/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

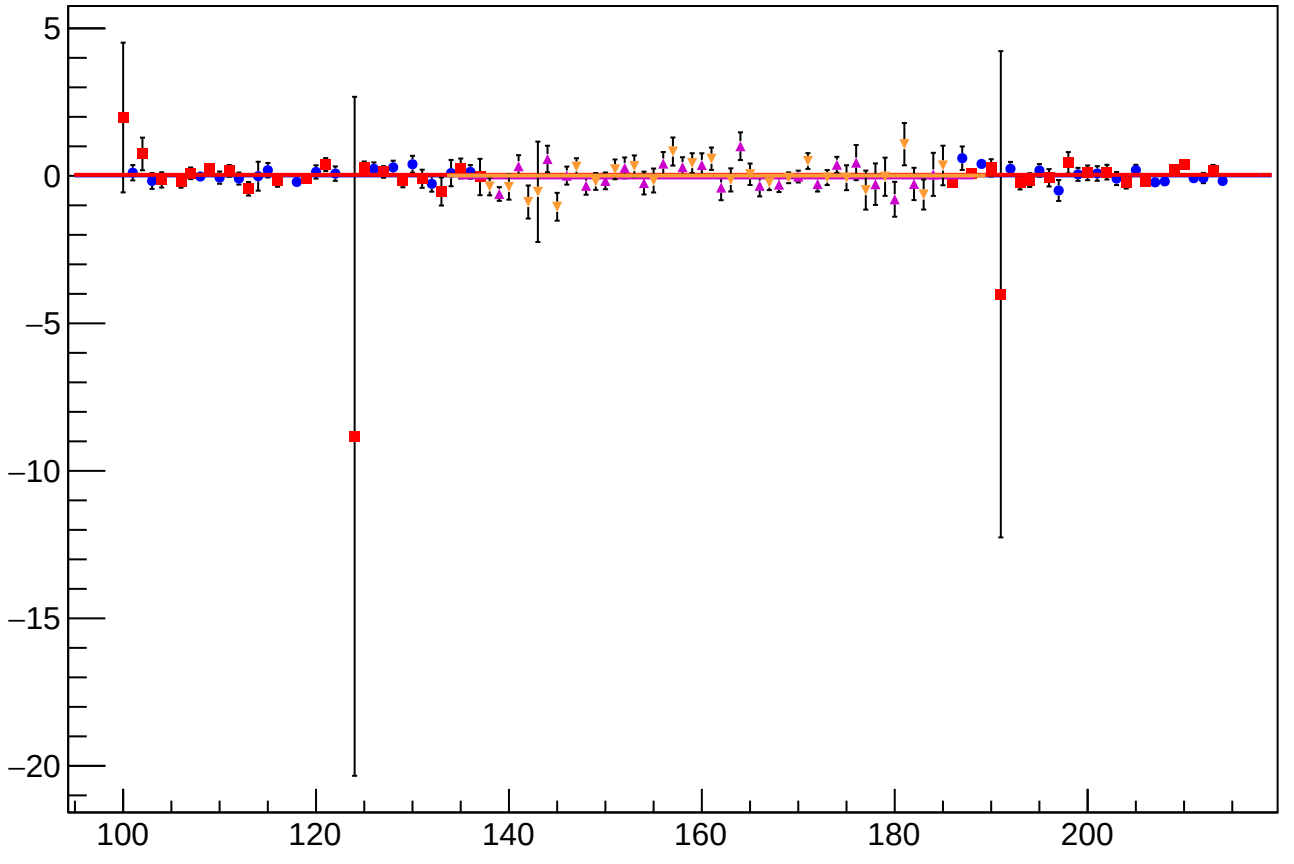
Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433062.9/54

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/11

- sign 169.960+/-0.023 χ^2/NDF: 14419021.1/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

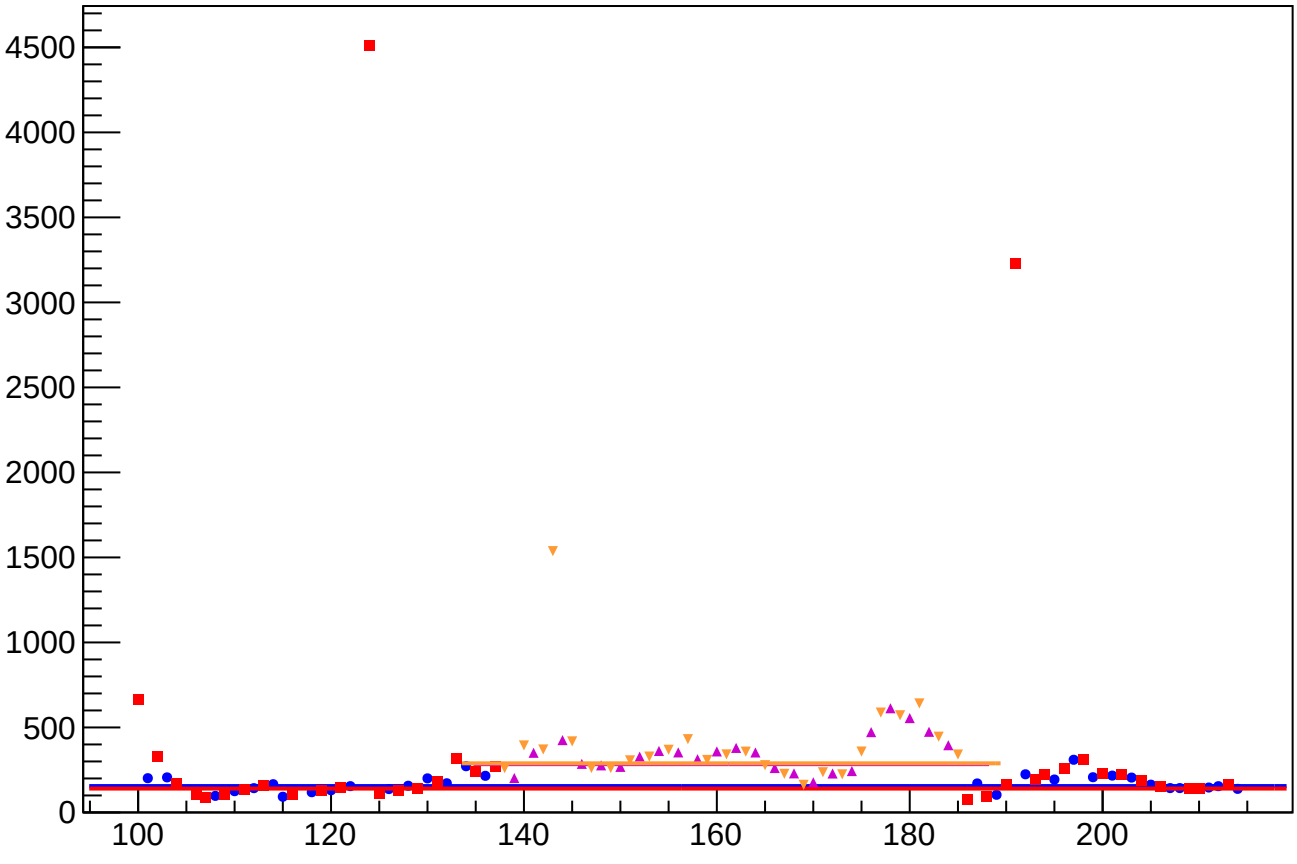
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

\+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

\- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.156+/-0.027 χ^2/NDF: 2285825.9/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

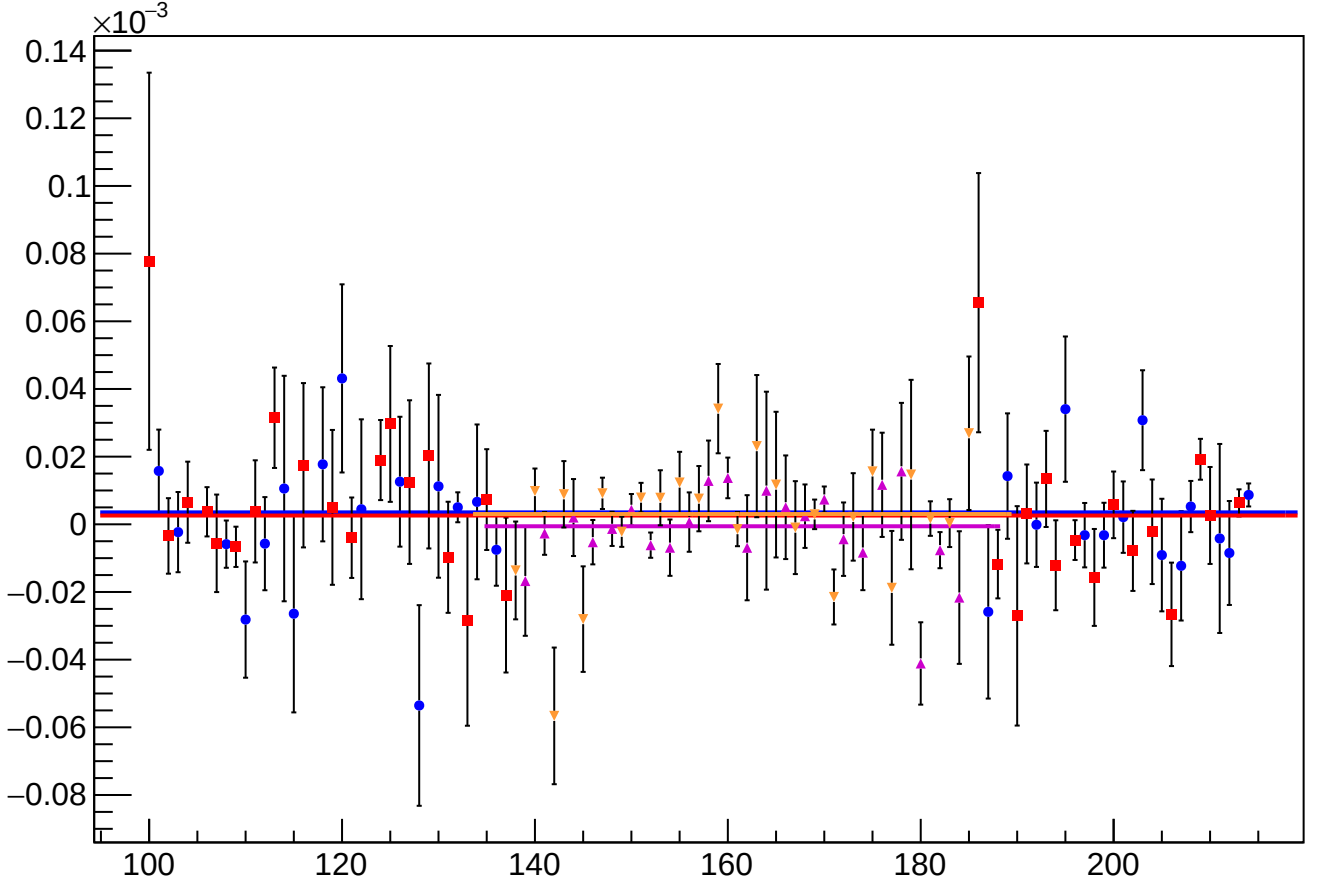
Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433062.9/54

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/11

- sign 169.960+/-0.023 χ^2/NDF: 14419021.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

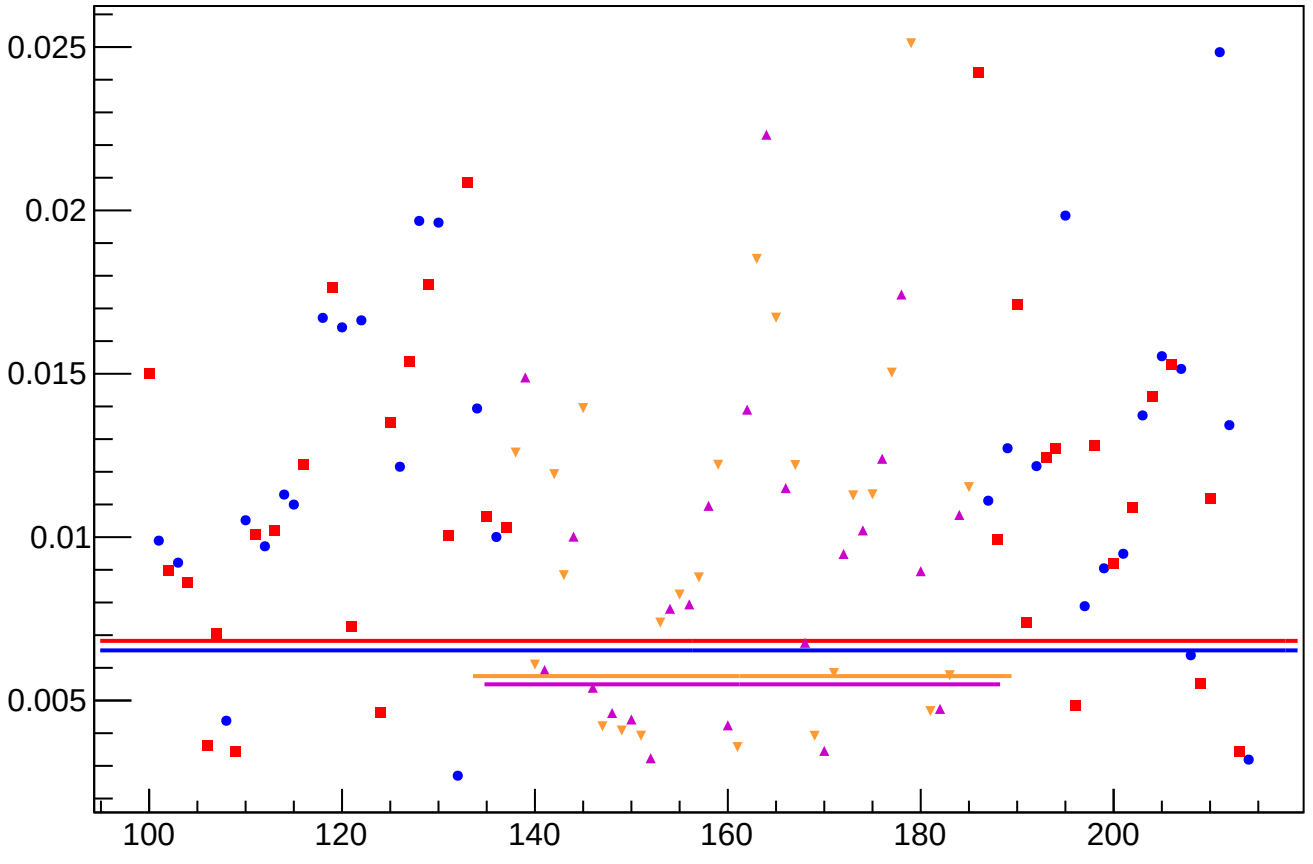
Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/54

All: 0.000+/-0.000 χ^2/NDF: 147.5/111

- sign 0.000+/-0.000 χ^2/NDF: 74.6/56



Right In: 0.007+/-0.000 χ^2/NDF: 11268614.1/29

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

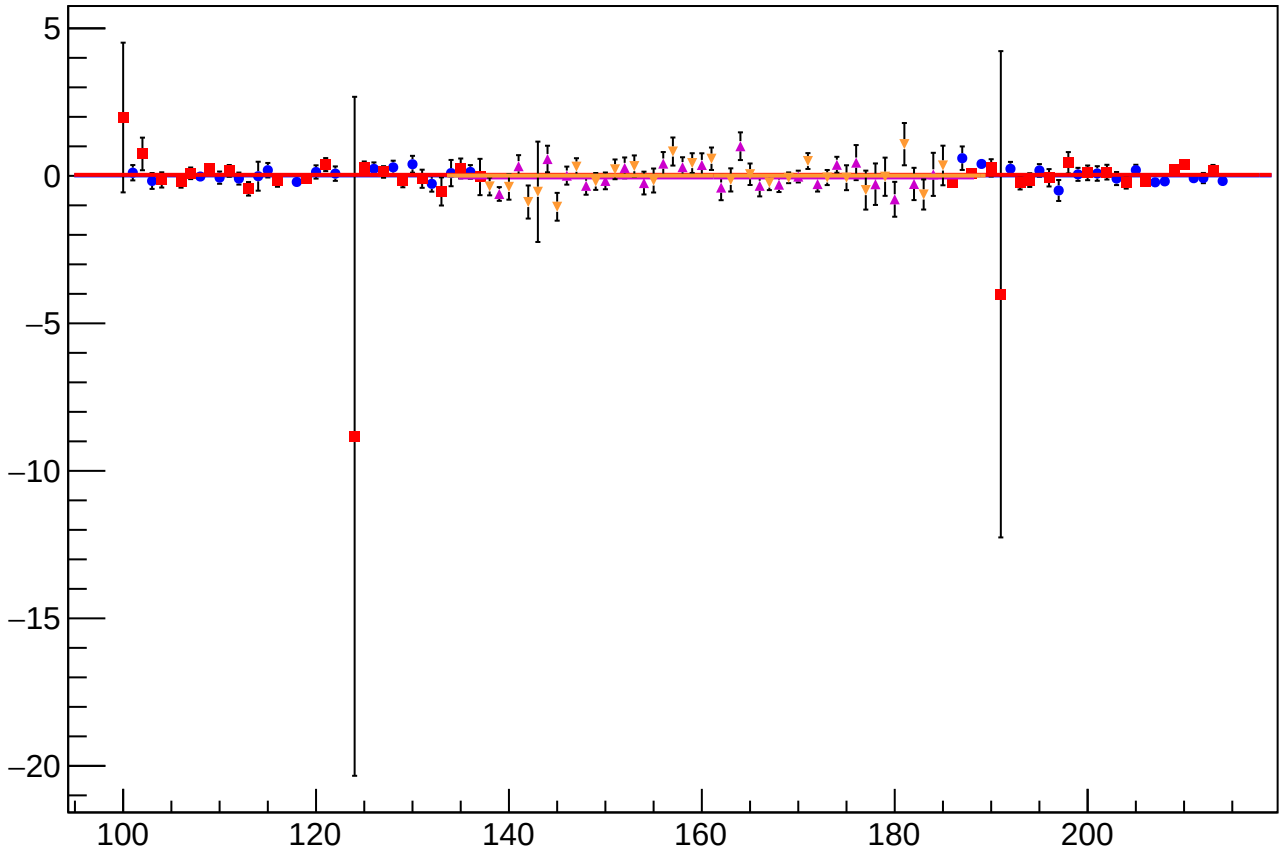
Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19608283.8/54

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

\- sign 0.006+/-0.000 χ^2/NDF: 16194748.4/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

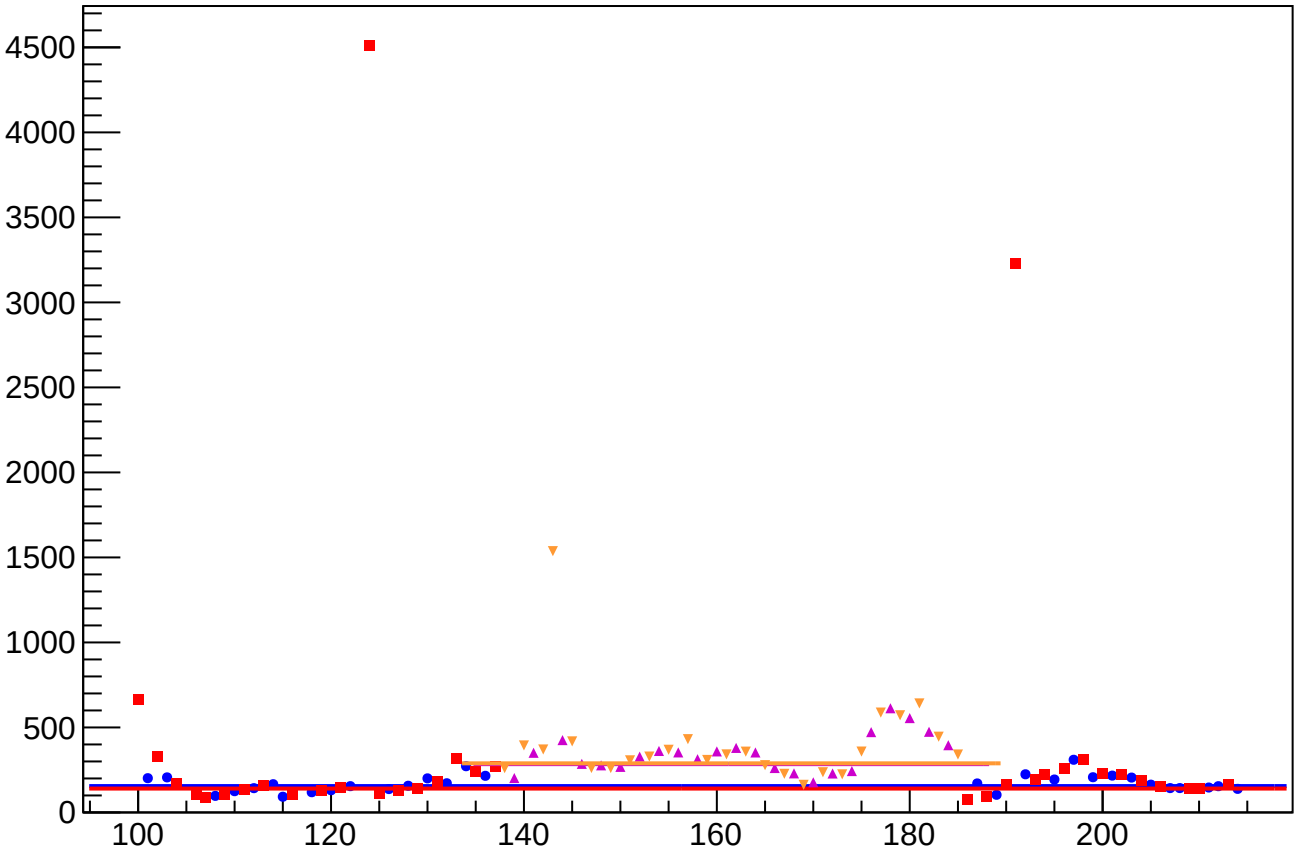
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

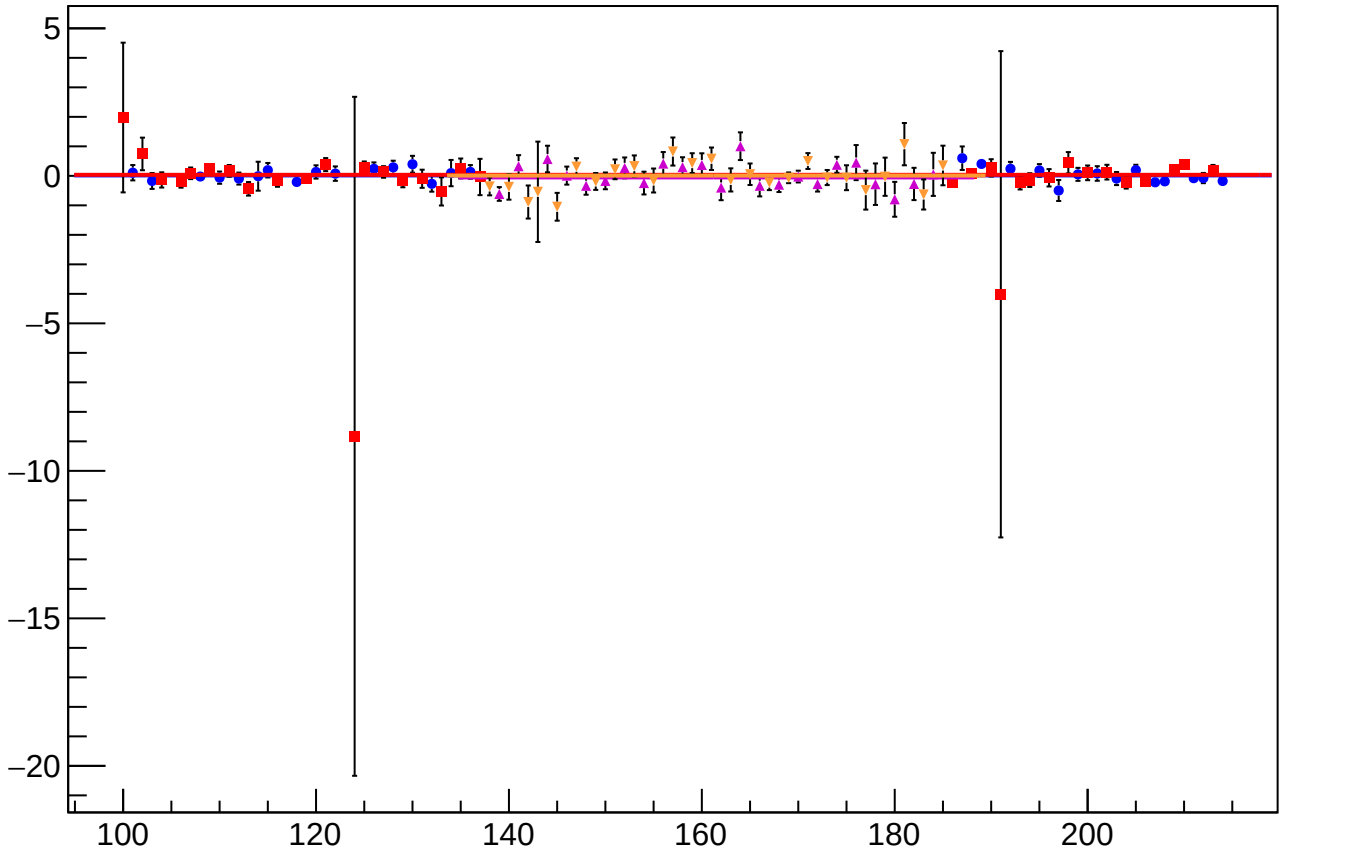
Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

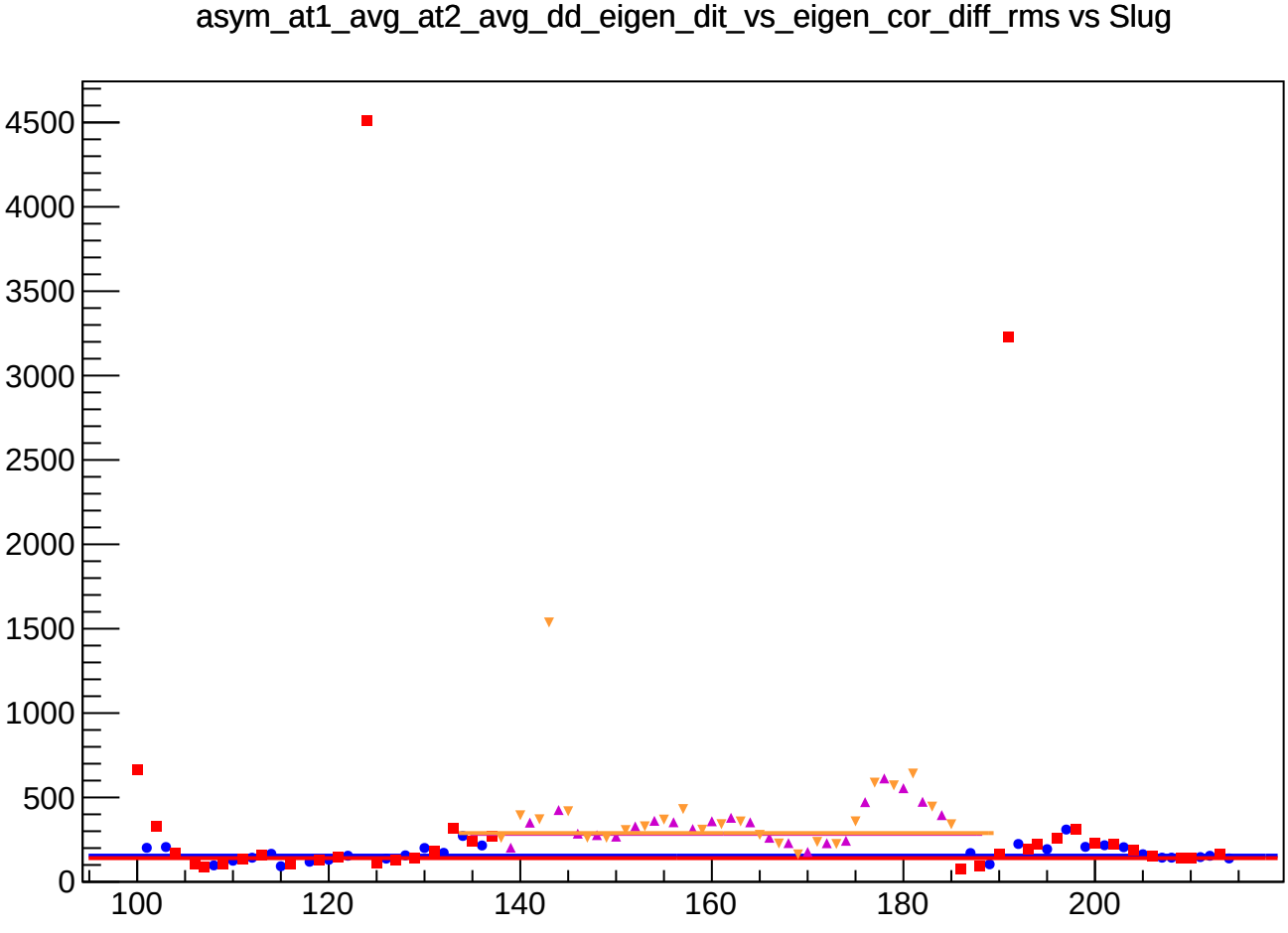
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

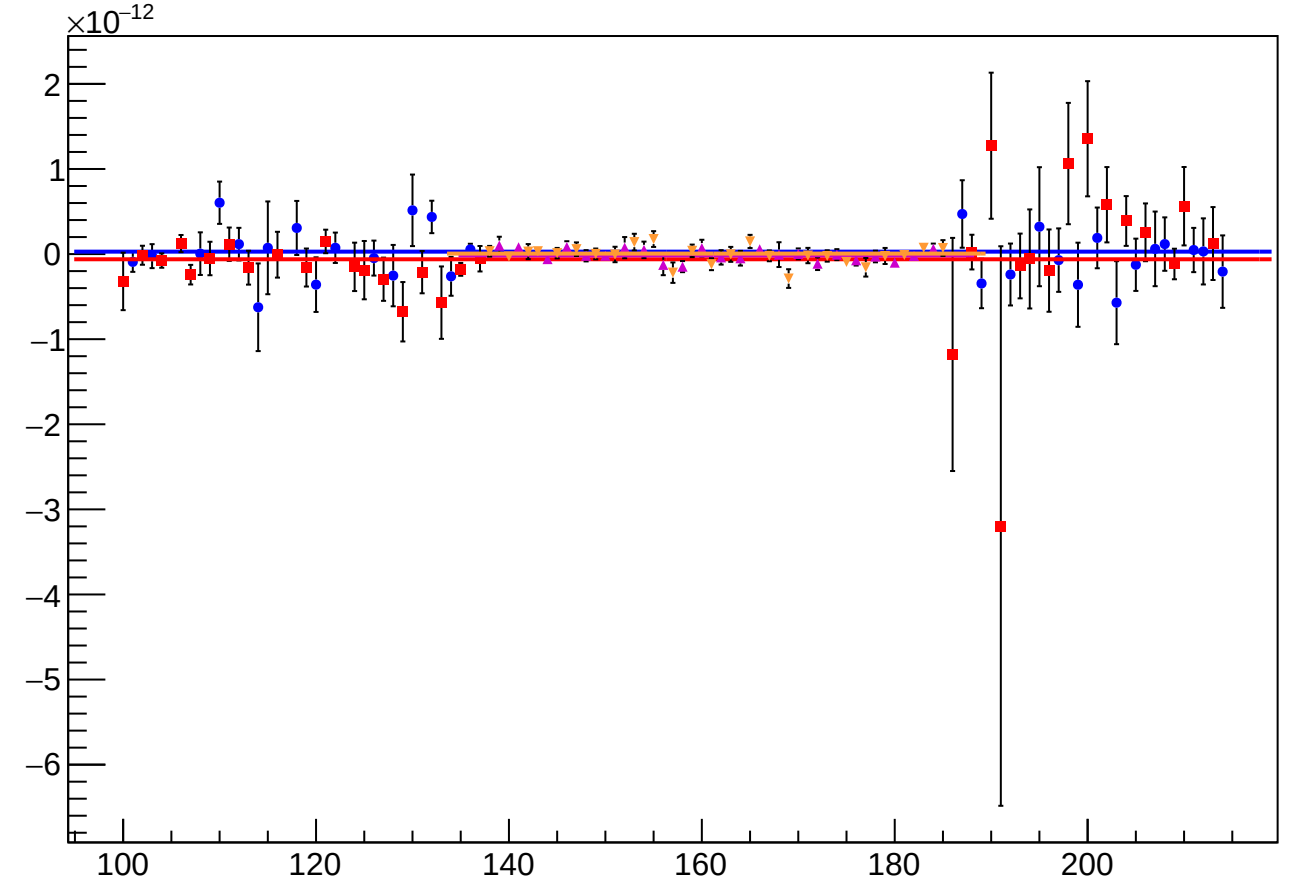
Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

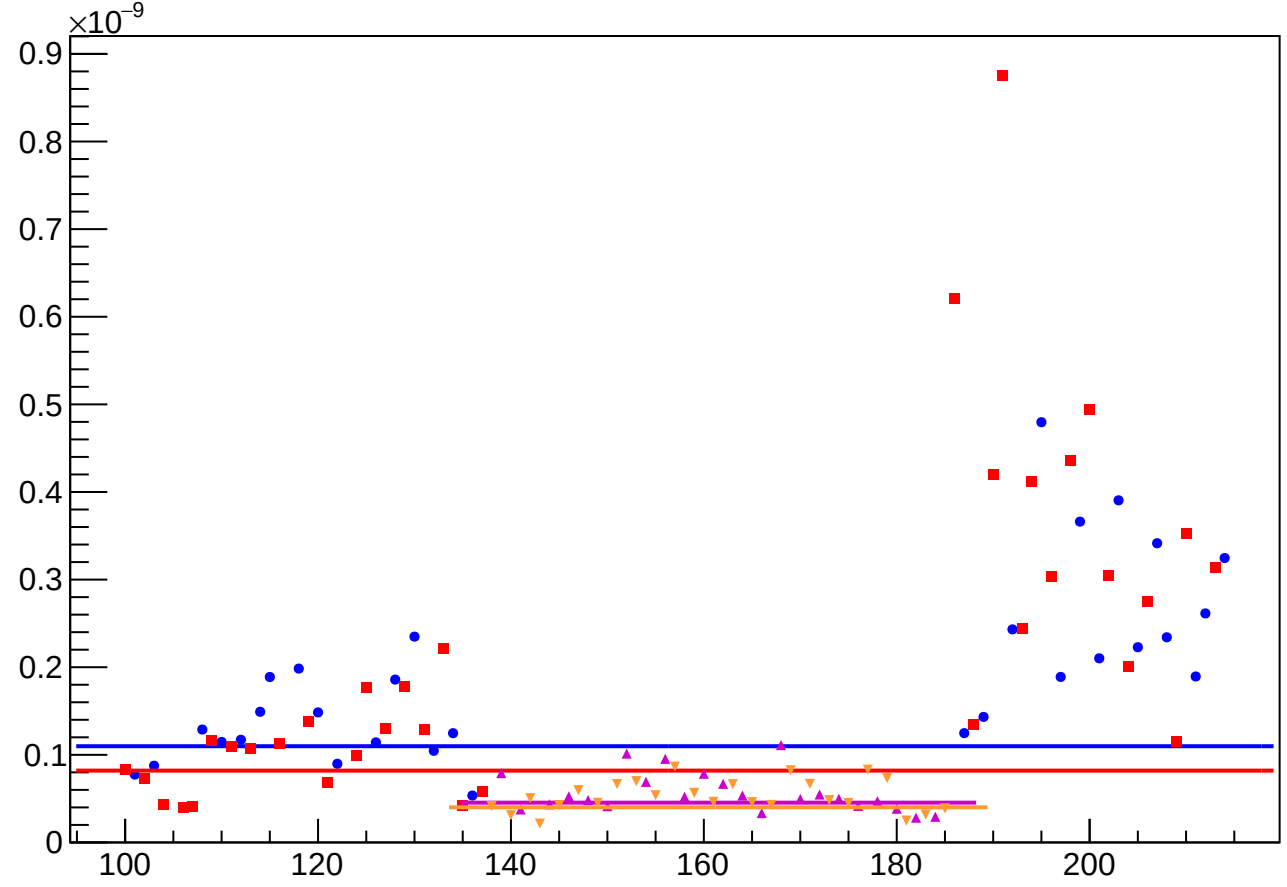
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/33

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/54

All: -0.000+/-0.000 χ^2/NDF: 125.4/111

- sign -0.000+/-0.000 χ^2/NDF: 62.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6619338.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8993126.0/33

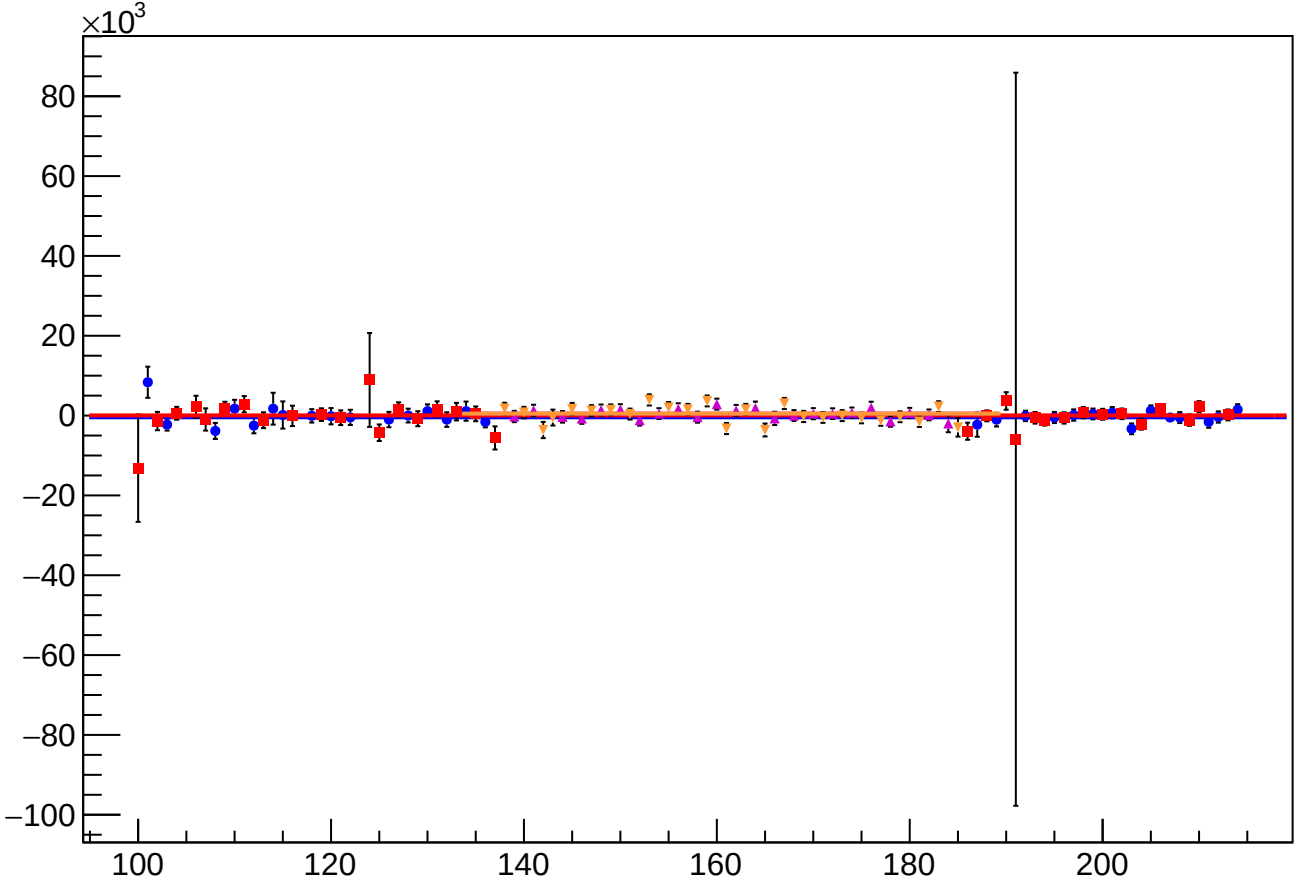
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15999171.9/54

All: 0.000+/-0.000 χ^2/NDF: 30108280.9/111

- sign 0.000+/-0.000 χ^2/NDF: 13962625.3/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -426.592+/-300.975 χ^2/NDF: 24.5/29

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 43.378+/-300.709 χ^2/NDF: 31.1/33

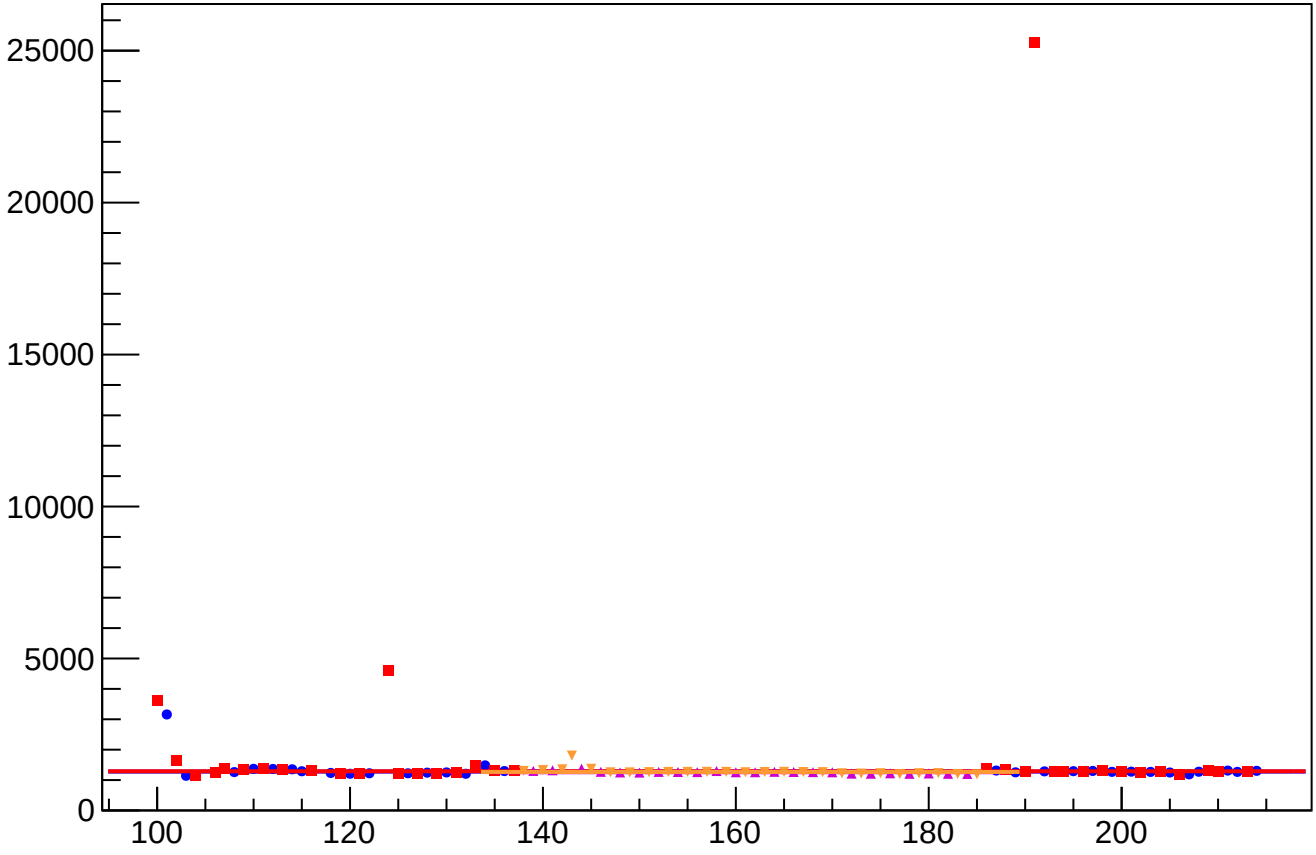
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 52.176+/-208.269 χ^2/NDF: 76.2/54

All: 160.252+/-147.924 χ^2/NDF: 123.4/111

- sign 270.276+/-210.137 χ^2/NDF: 46.7/56

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530239.1/29

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

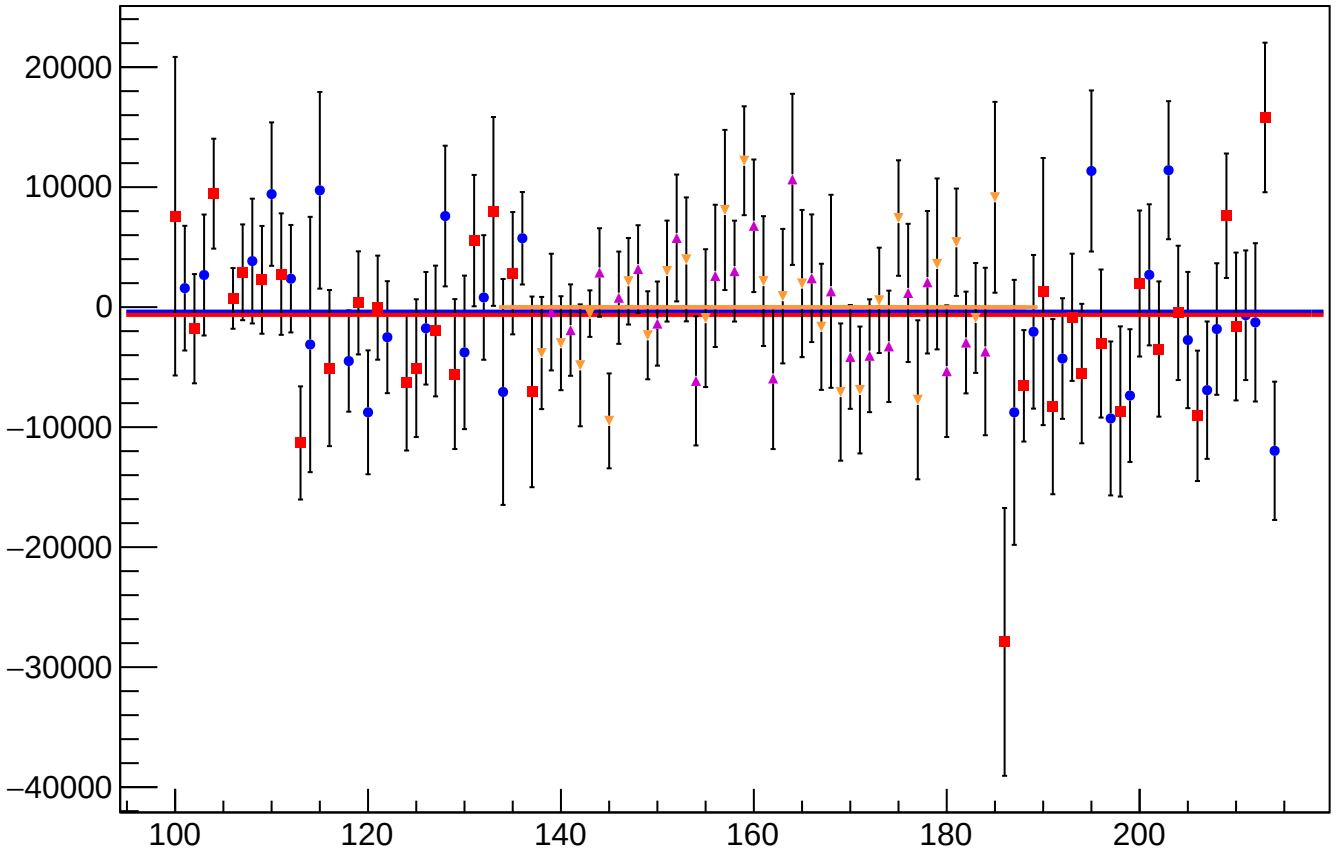
Right Out: 1289.153+/-0.212 χ^2/NDF: 482746.6/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719374.8/54

All: 1272.796+/-0.105 χ^2/NDF: 1250254.6/11

- sign 1272.999+/-0.149 χ^2/NDF: 530876.1/56



Right In: -371.639+/-1019.500 χ^2/NDF: 32.8/29

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

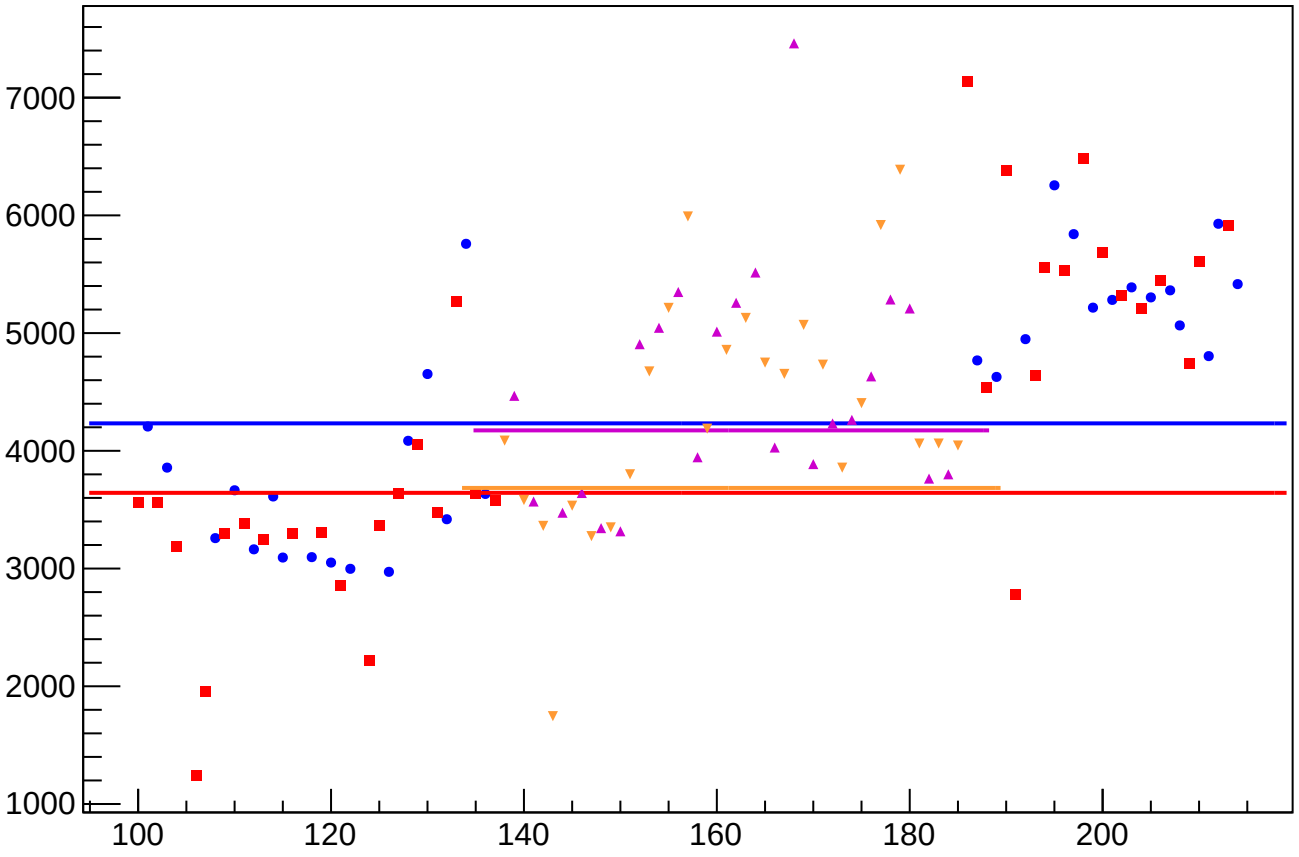
Right Out: -648.132+/-906.758 χ^2/NDF: 42.0/33

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -160.354+/-668.960 χ^2/NDF: 62.0/54

All: -264.225+/-473.503 χ^2/NDF: 118.3/111

- sign -368.515+/-670.311 χ^2/NDF: 56.3/56



Right In: 4233.221+/-0.721 χ^2/NDF: 1955213.8/29

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

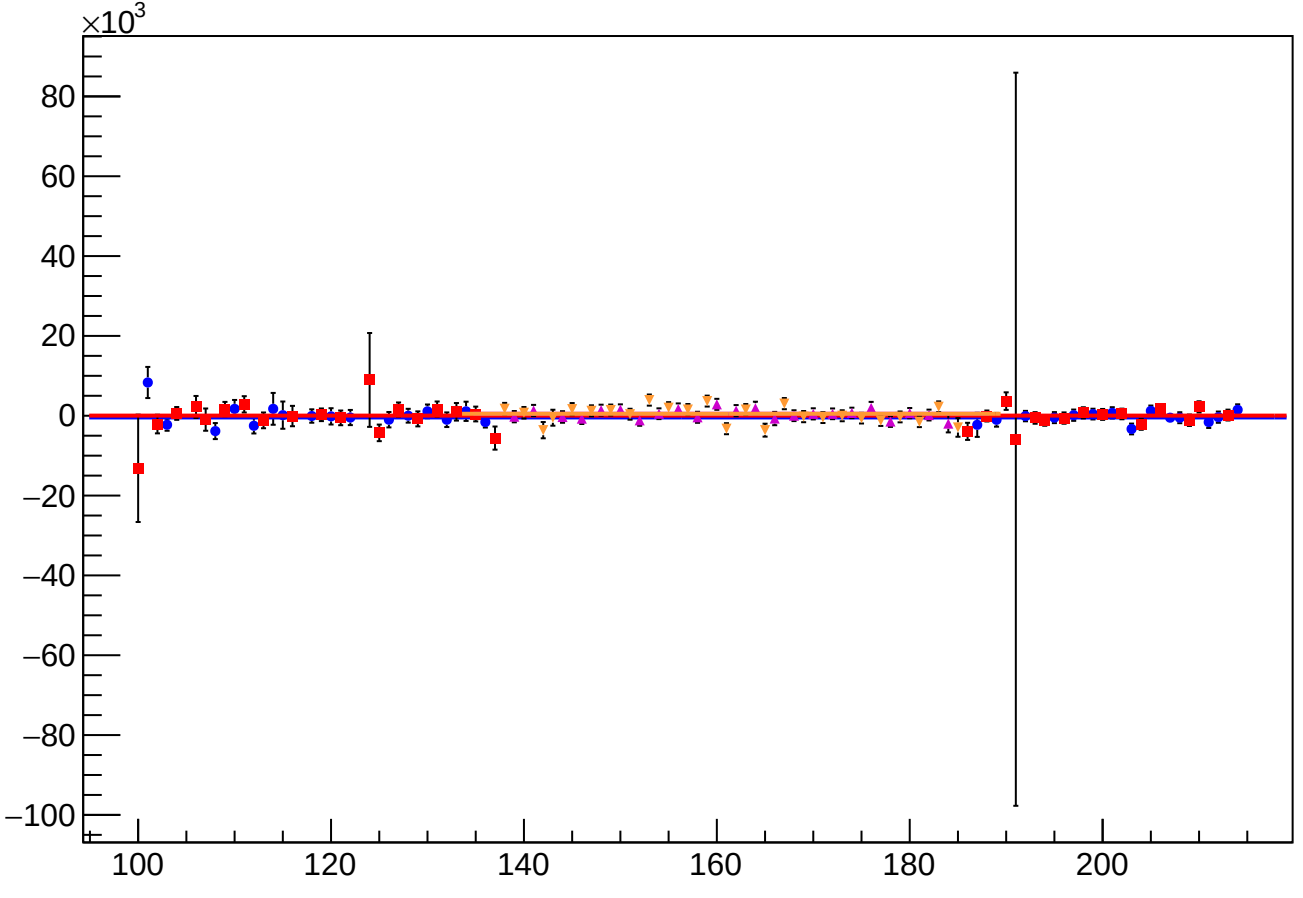
Right Out: 3643.091+/-0.641 χ^2/NDF: 5079409.7/33

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3920.906+/-0.473 χ^2/NDF: 5978460.4/54

All: 3902.326+/-0.335 χ^2/NDF: 12646359.8/1

- sign 3883.671+/-0.474 χ^2/NDF: 6664807.5/56



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

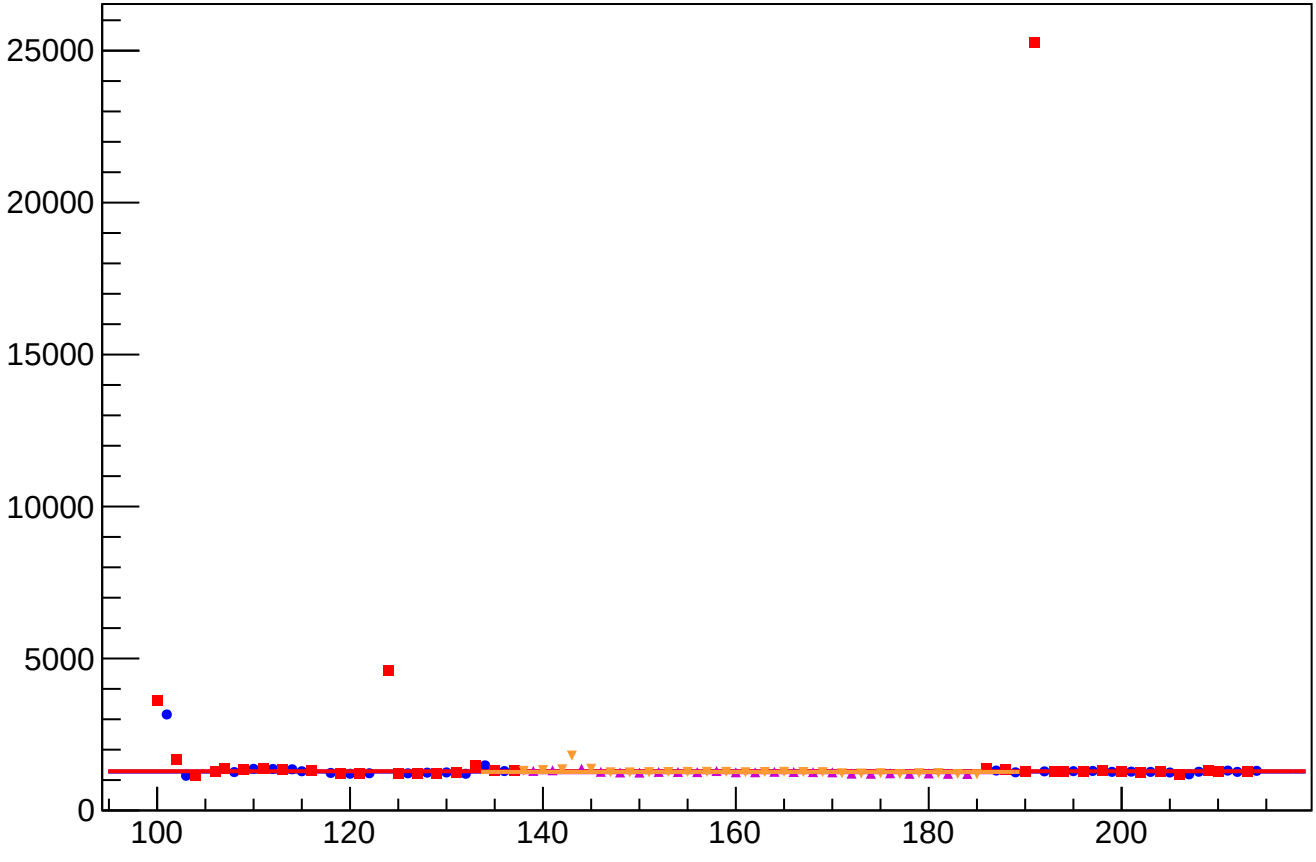
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

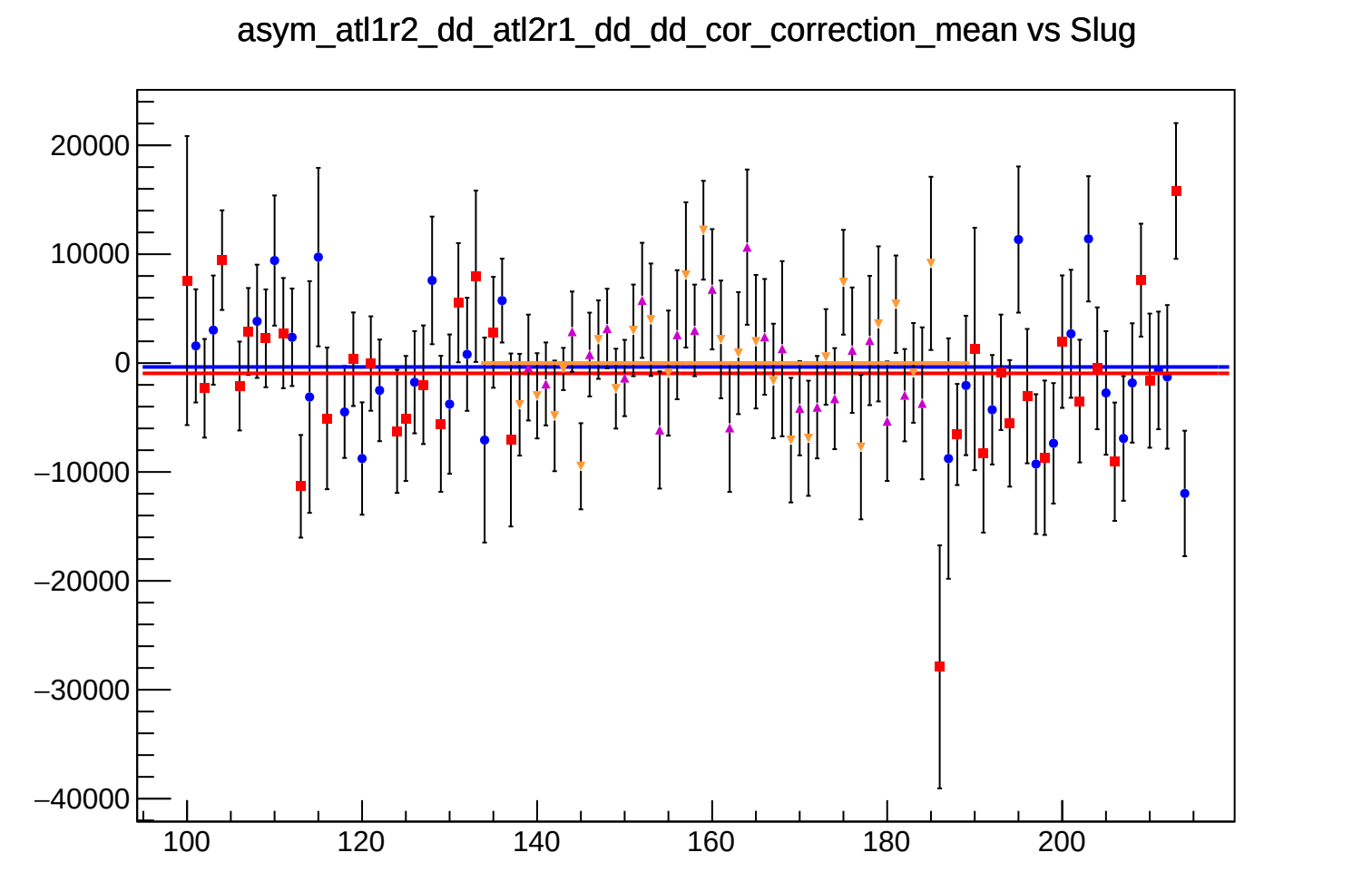
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

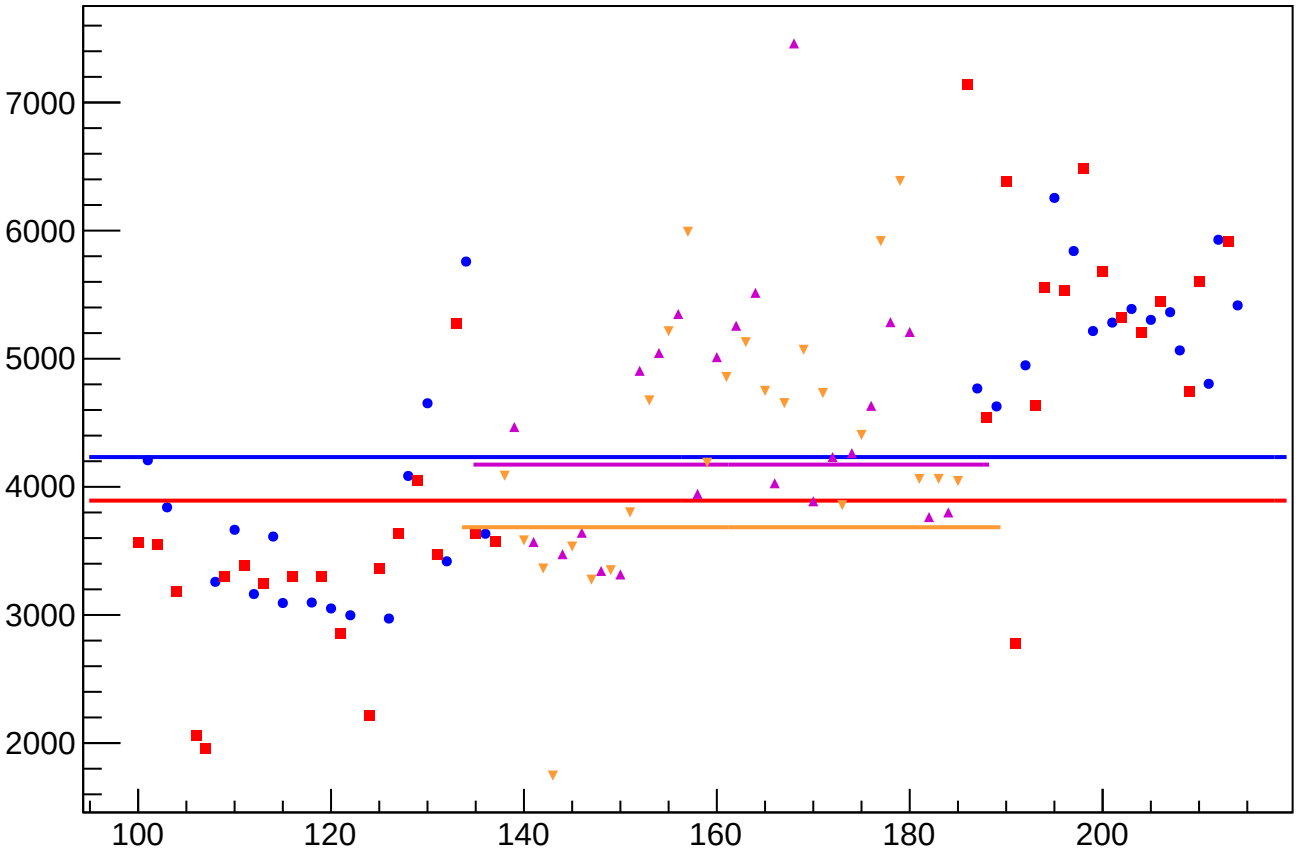
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

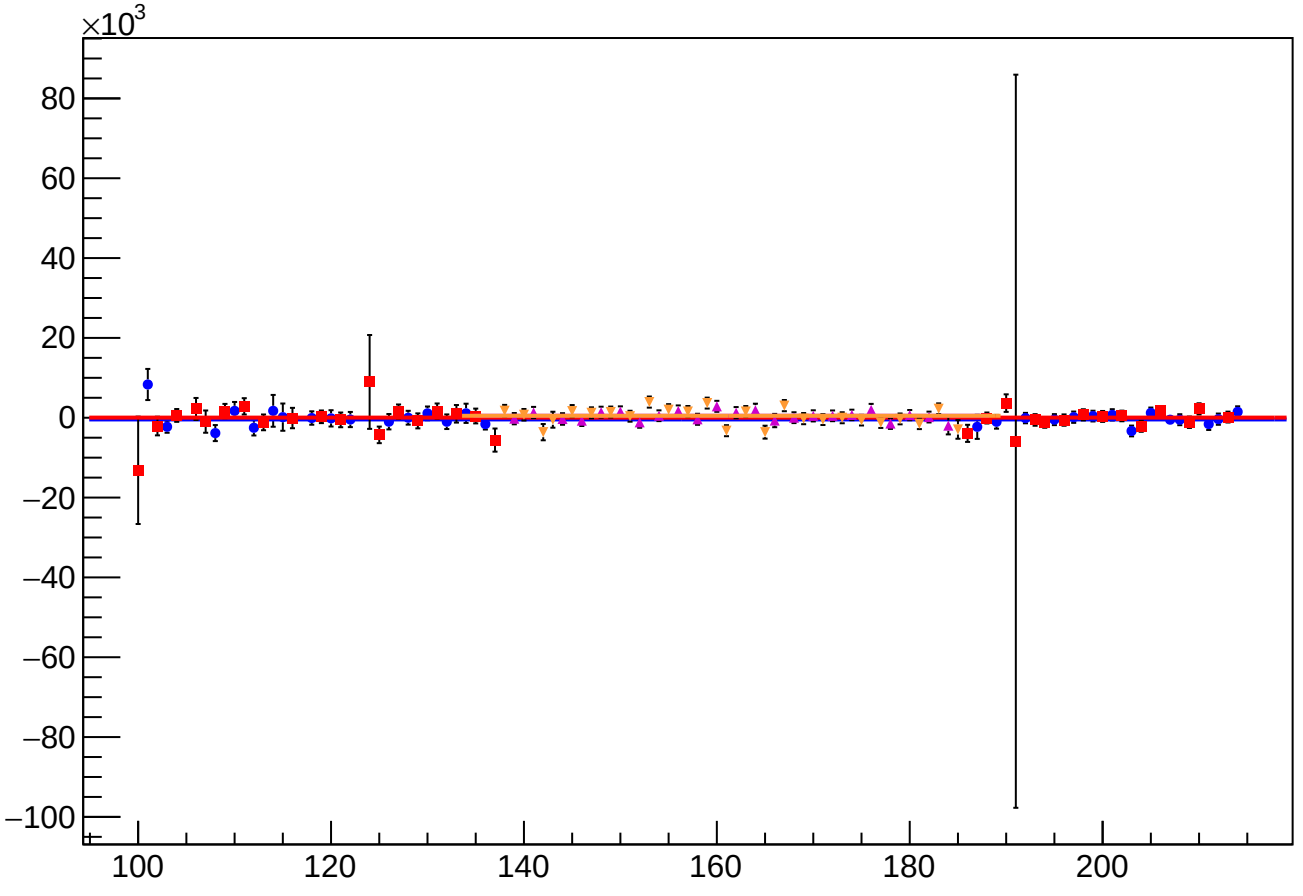
Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56



Right In: -426.737+/-300.975 χ^2/NDF: 24.4/29

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 32.367+/-300.785 χ^2/NDF: 31.6/33

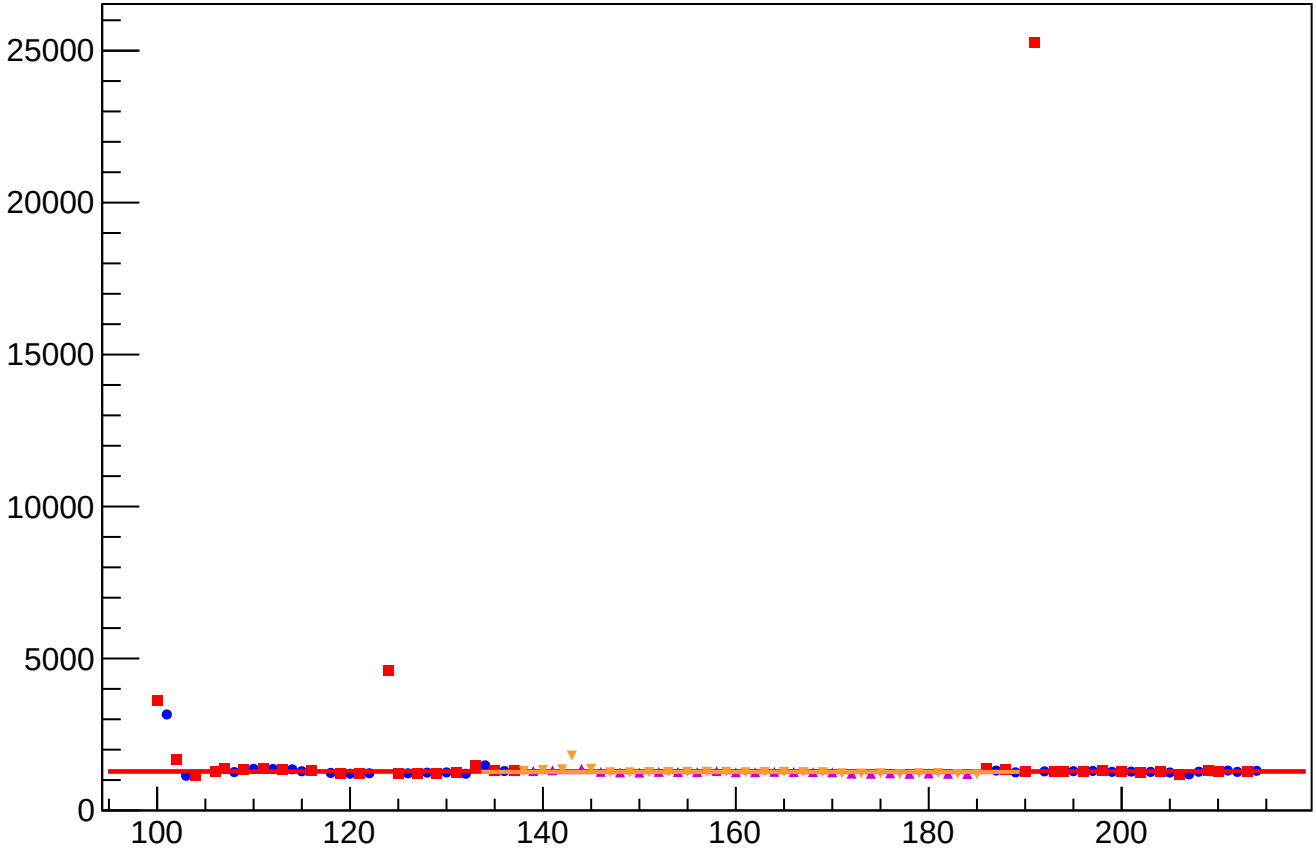
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign 52.115+/-208.269 χ^2/NDF: 76.2/54

All: 157.547+/-147.933 χ^2/NDF: 123.9/111

\- sign 264.905+/-210.163 χ^2/NDF: 47.2/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.723+/-0.213 χ^2/NDF: 530240.5/29

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

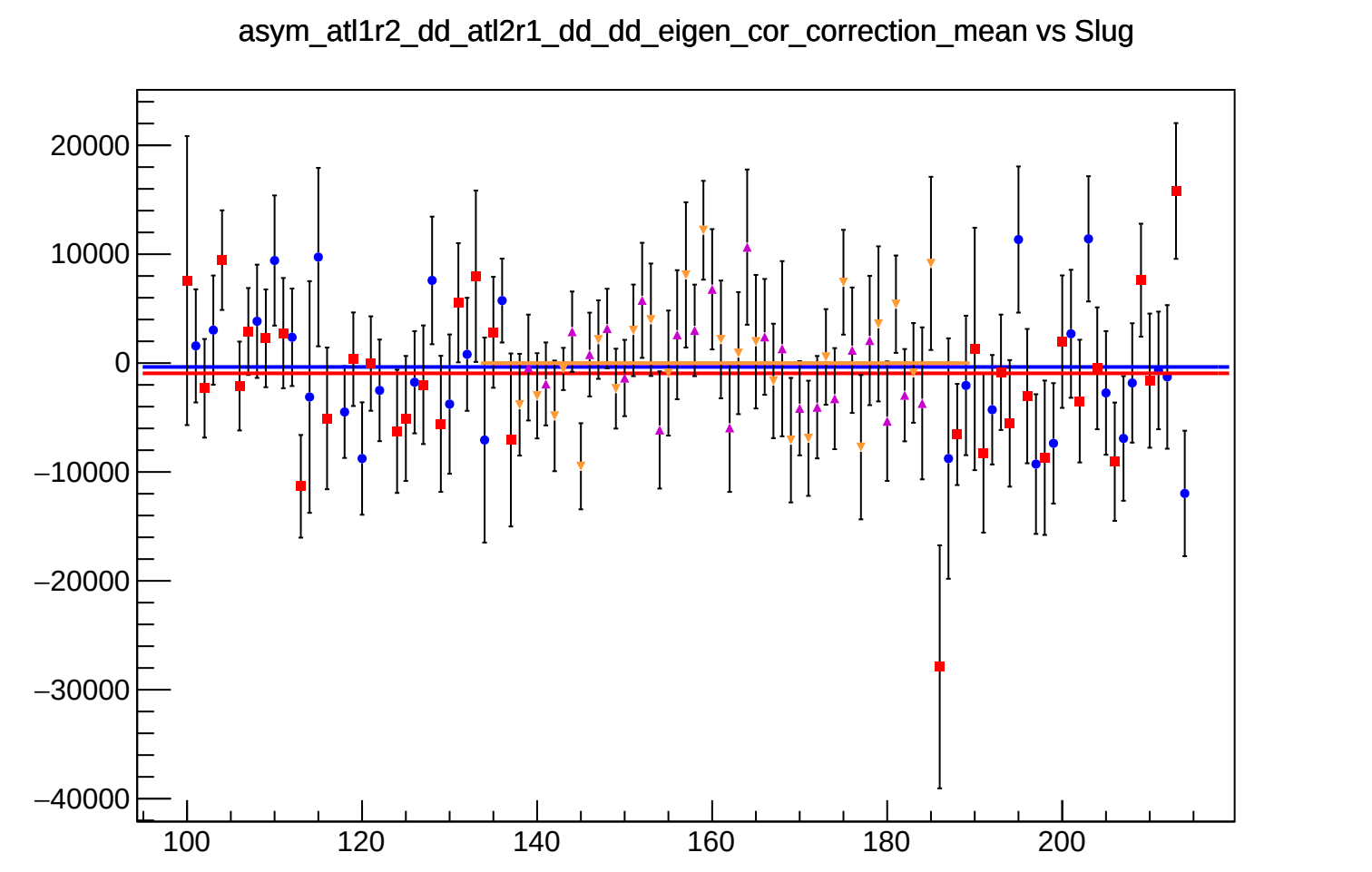
Right Out: 1289.914+/-0.213 χ^2/NDF: 489623.9/33

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1272.596+/-0.147 χ^2/NDF: 719376.2/54

All: 1272.976+/-0.105 χ^2/NDF: 1257688.3/11

- sign 1273.362+/-0.149 χ^2/NDF: 538298.7/56



Right In: -355.941+/-1019.292 χ^2/NDF: 32.9/29

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

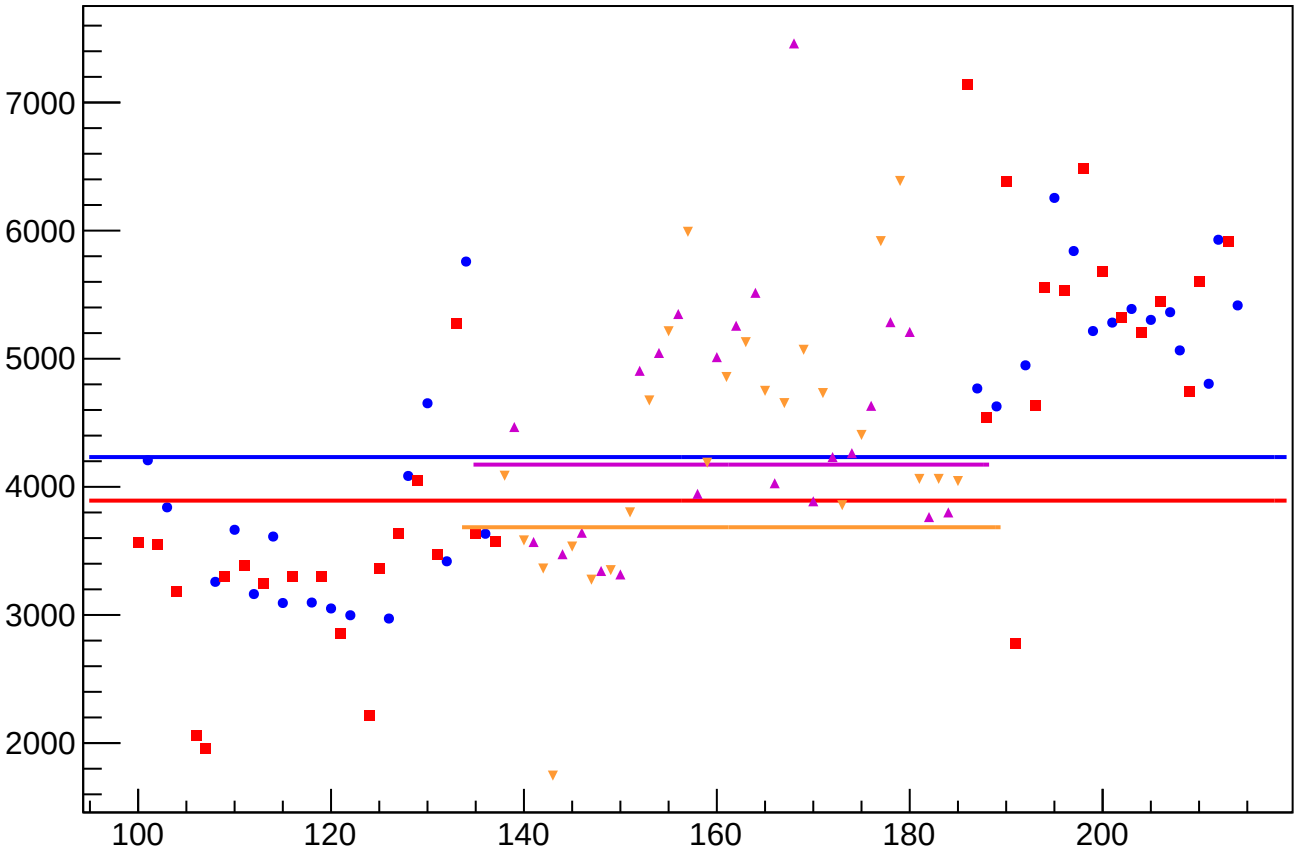
Right Out: -940.235+/-944.685 χ^2/NDF: 41.8/33

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

\+ sign -153.595+/-668.901 χ^2/NDF: 62.0/54

All: -327.325+/-478.644 χ^2/NDF: 118.5/111

\- sign -509.628+/-685.203 χ^2/NDF: 56.3/56



Right In: 4232.384+/-0.721 χ^2/NDF: 1956388.6/29

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

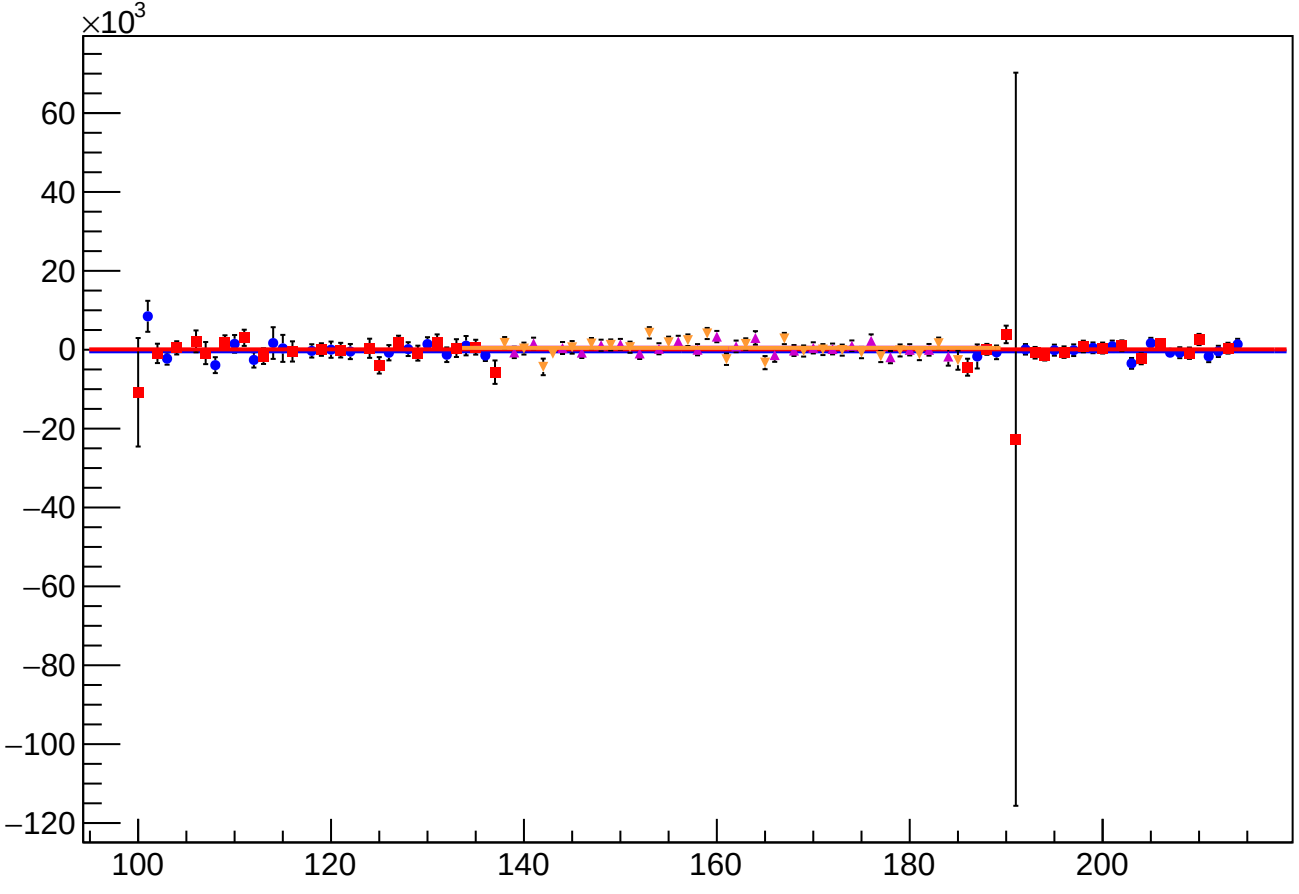
Right Out: 3892.503+/-0.668 χ^2/NDF: 3438125.0/33

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3920.596+/-0.473 χ^2/NDF: 5978756.1/54

All: 3971.879+/-0.338 χ^2/NDF: 10799829.2/1

\- sign 4025.692+/-0.485 χ^2/NDF: 4796981.6/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.184+/-303.071 χ^2/NDF: 32.7/33

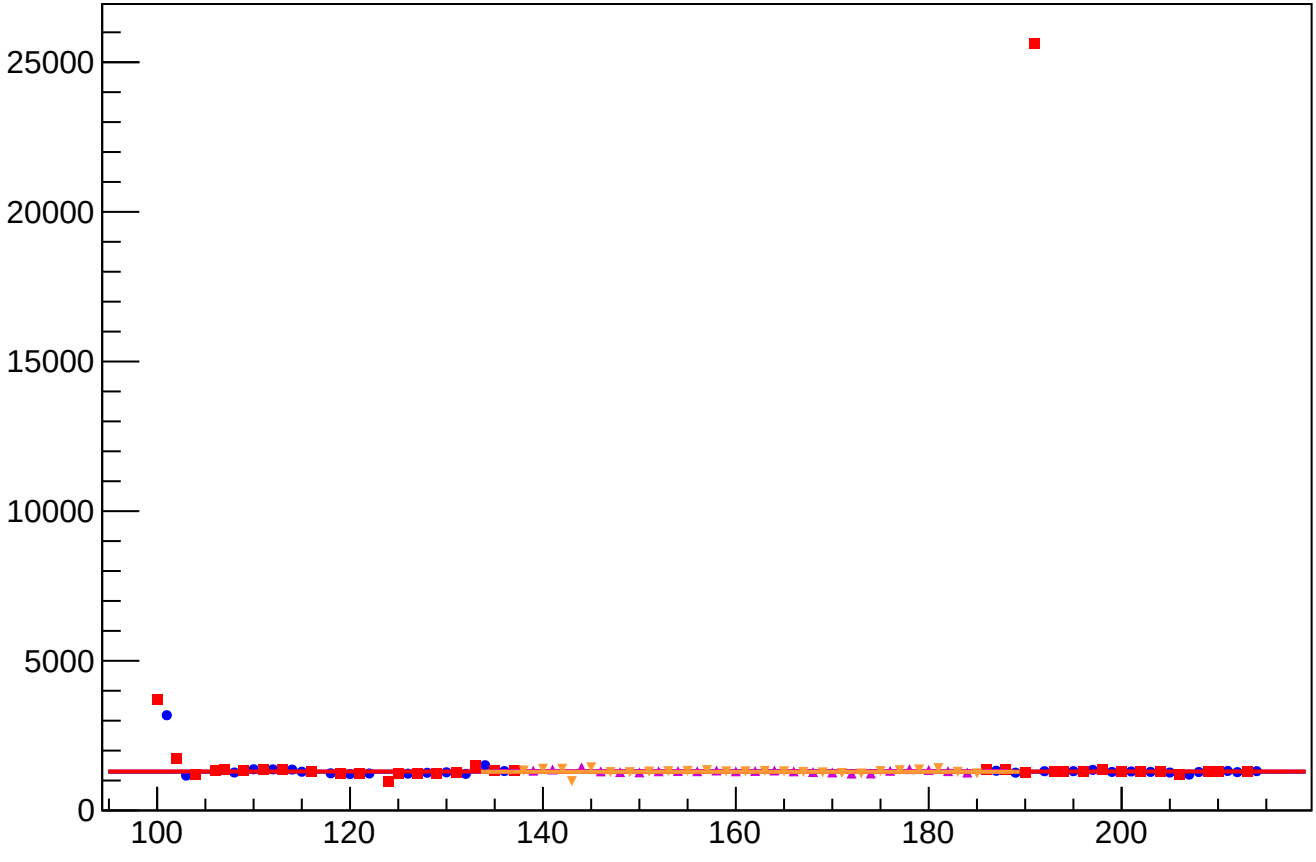
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 48.884+/-211.735 χ^2/NDF: 74.0/54

All: 170.248+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.698 χ^2/NDF: 51.0/56

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.1/29

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

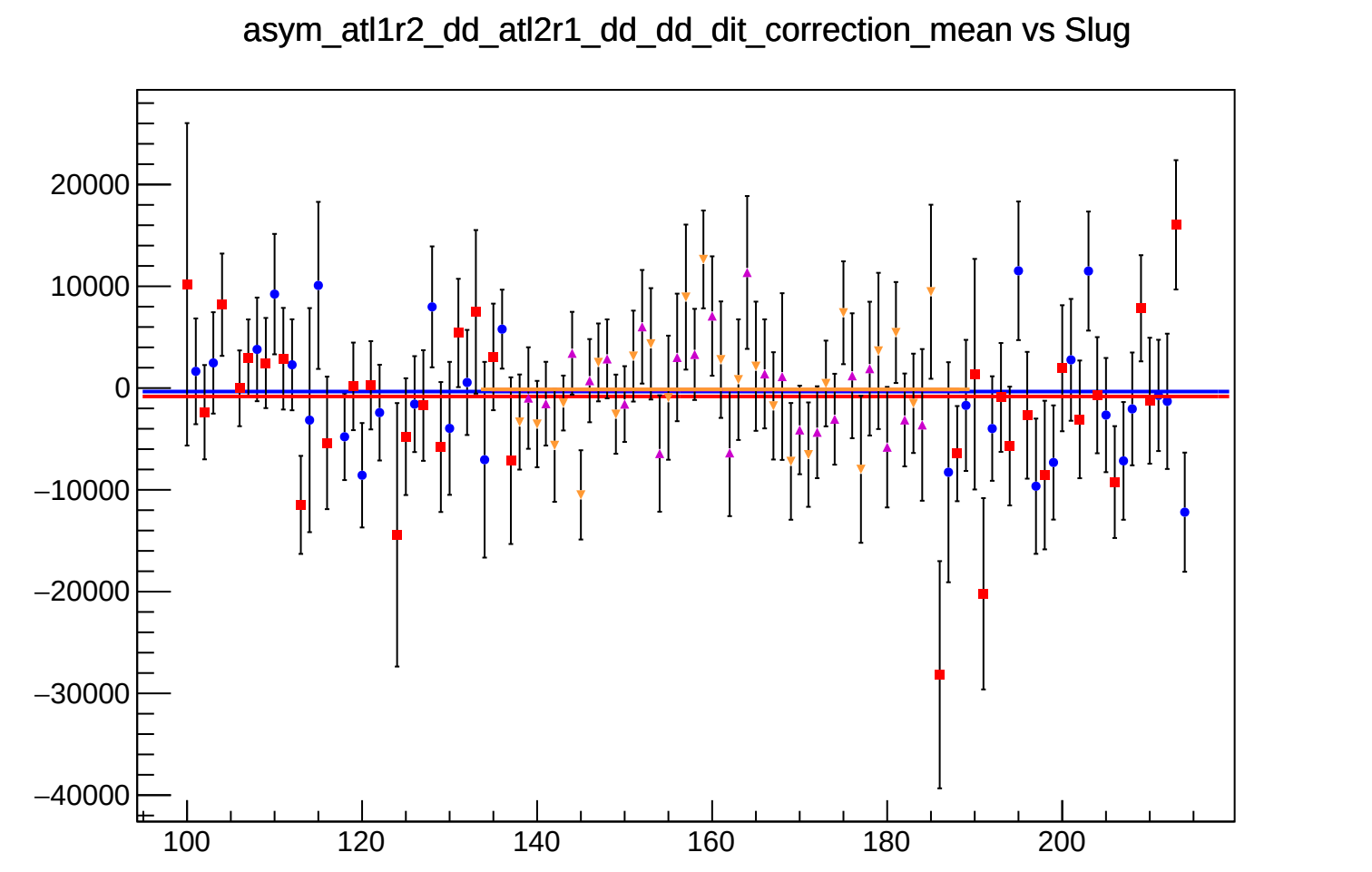
Right Out: 1300.970+/-0.214 χ^2/NDF: 378349.9/33

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761026.8/54

All: 1300.159+/-0.107 χ^2/NDF: 1188676.2/11

- sign 1307.401+/-0.152 χ^2/NDF: 423221.0/56



Right In: -341.222+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

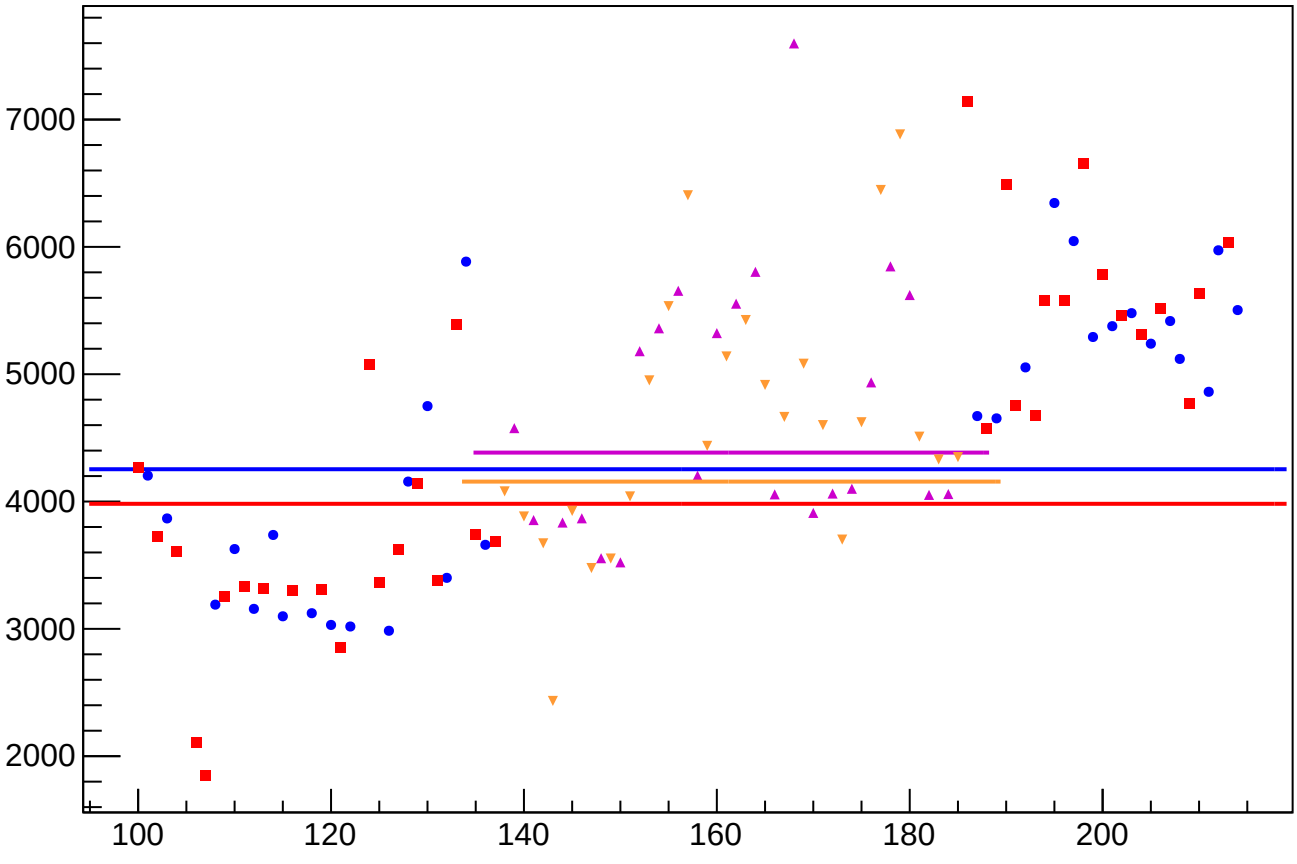
Right Out: -828.107+/-960.639 χ^2/NDF: 43.4/33

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -229.082+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.017+/-707.378 χ^2/NDF: 57.4/56



Right In: 4253.700+/-0.725 χ^2/NDF: 2056180.5/29

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

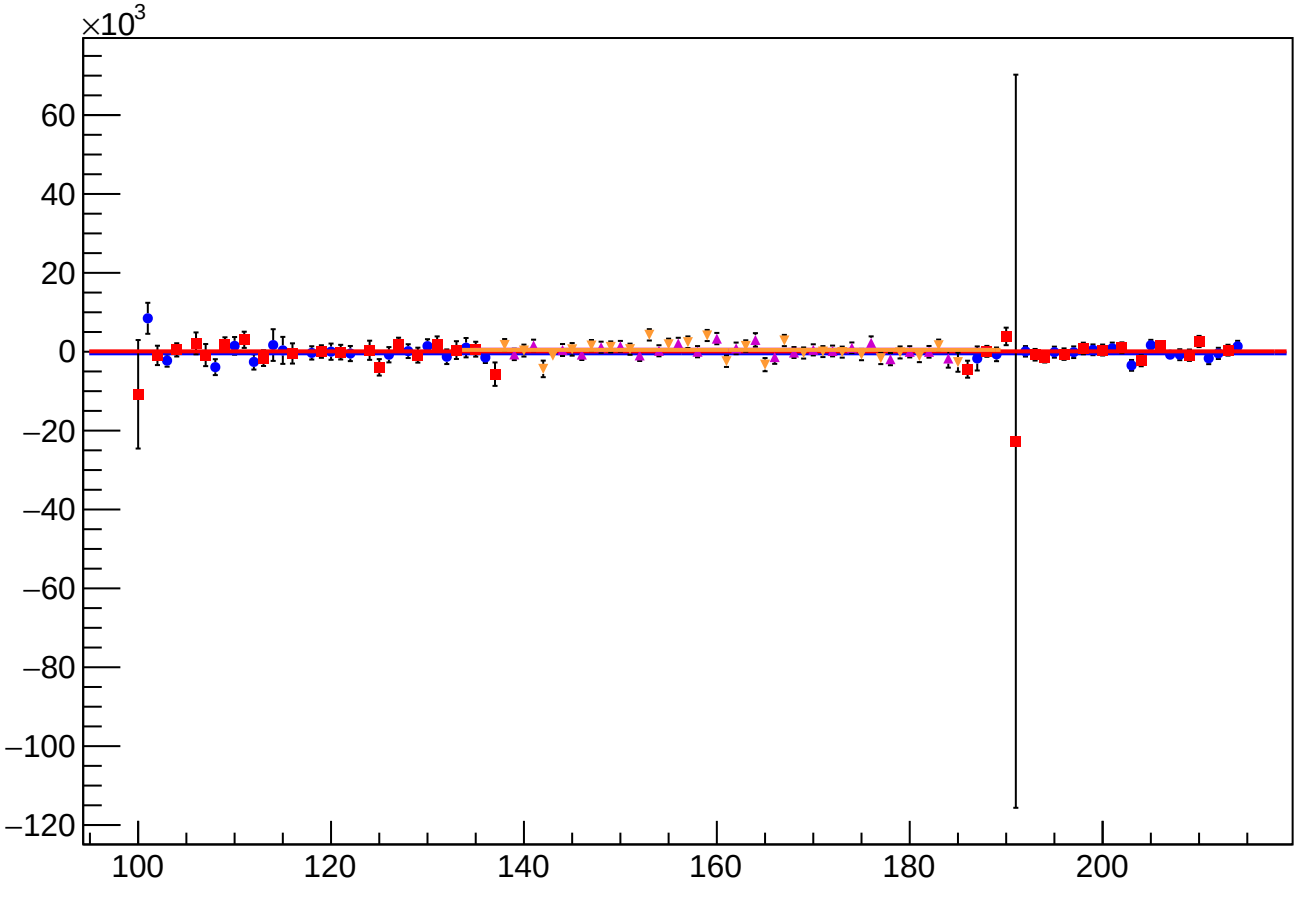
Right Out: 3982.098+/-0.679 χ^2/NDF: 3484602.3/33

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4202.796+/-0.500 χ^2/NDF: 4146346.3/54

All: 4184.507+/-0.354 χ^2/NDF: 9049598.8/11

- sign 4166.225+/-0.500 χ^2/NDF: 4900580.1/56



Right In: -401.028+/-304.902 χ^2/NDF: 25.6/29

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 94.185+/-303.071 χ^2/NDF: 32.7/33

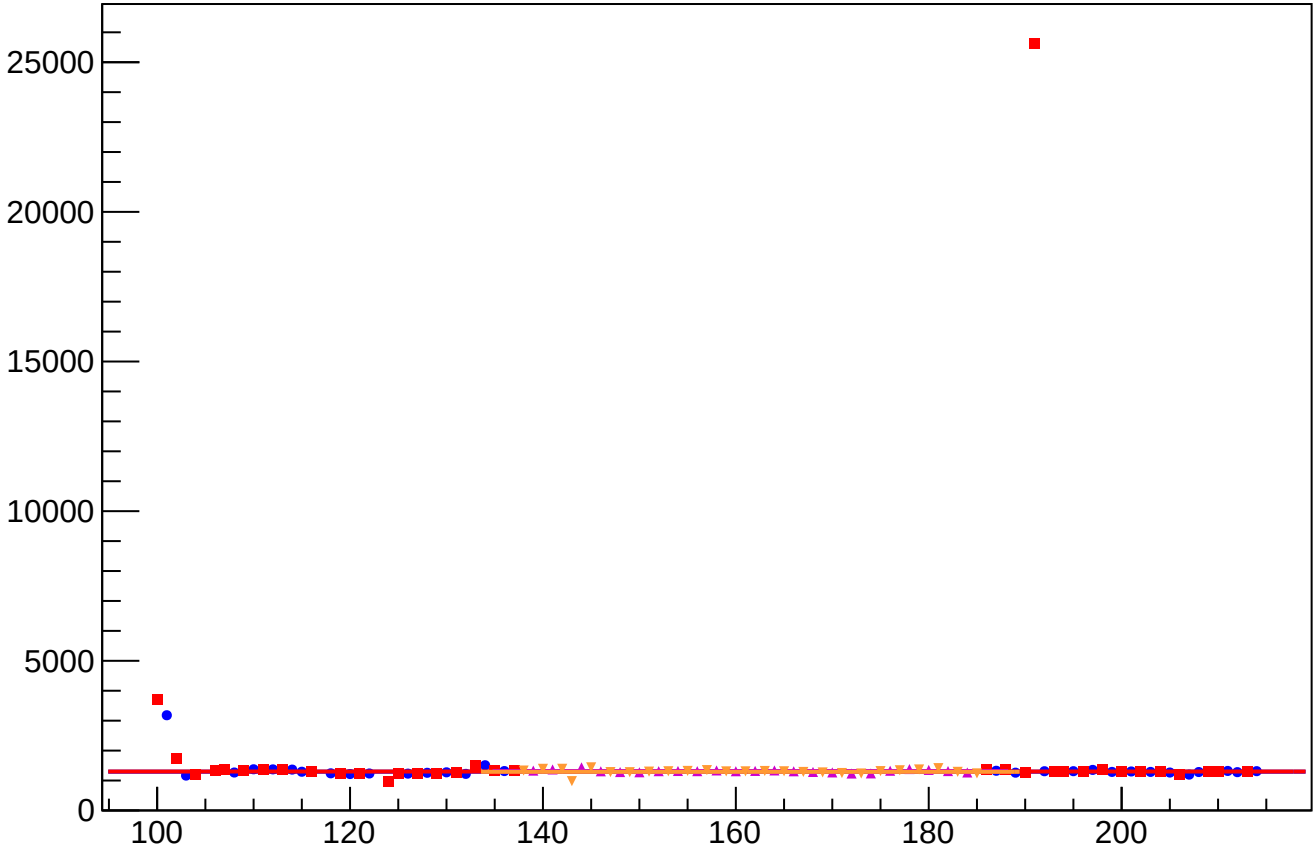
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 48.885+/-211.735 χ^2/NDF: 74.0/54

All: 170.249+/-151.101 χ^2/NDF: 125.7/111

- sign 296.198+/-215.699 χ^2/NDF: 51.0/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1295.293+/-0.216 χ^2/NDF: 530106.2/29

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

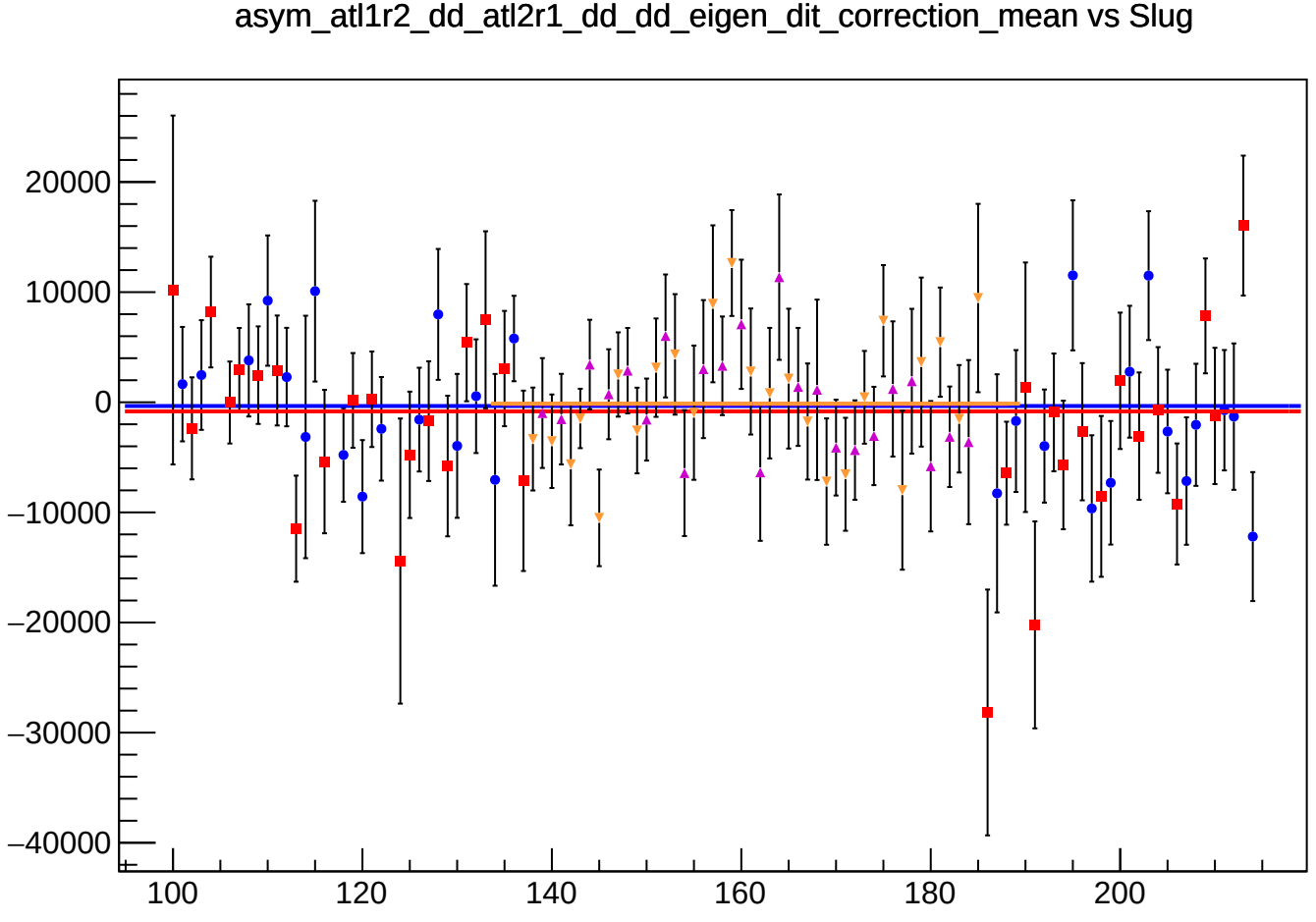
Right Out: 1300.970+/-0.214 χ^2/NDF: 378350.0/33

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1293.180+/-0.150 χ^2/NDF: 761029.3/54

All: 1300.160+/-0.107 χ^2/NDF: 1188681.2/11

- sign 1307.402+/-0.152 χ^2/NDF: 423223.6/56



Right In: -341.225+/-1025.614 χ^2/NDF: 32.7/29

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

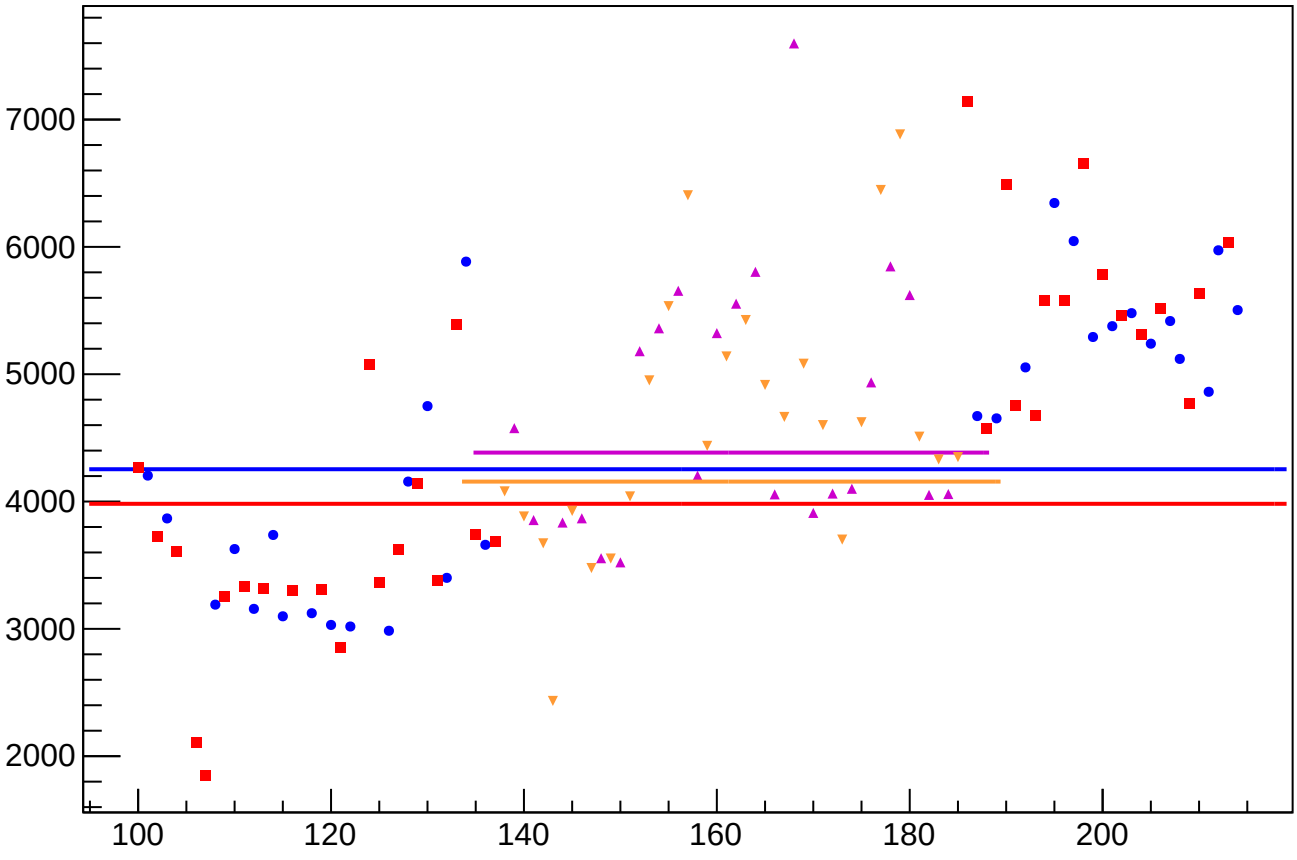
Right Out: -828.101+/-960.638 χ^2/NDF: 43.4/33

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -229.083+/-707.493 χ^2/NDF: 61.3/54

All: -375.573+/-500.233 χ^2/NDF: 118.8/111

- sign -522.015+/-707.379 χ^2/NDF: 57.4/56



Right In: 4253.695+/-0.725 χ^2/NDF: 2056216.9/29

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3982.092+/-0.679 χ^2/NDF: 3484636.6/33

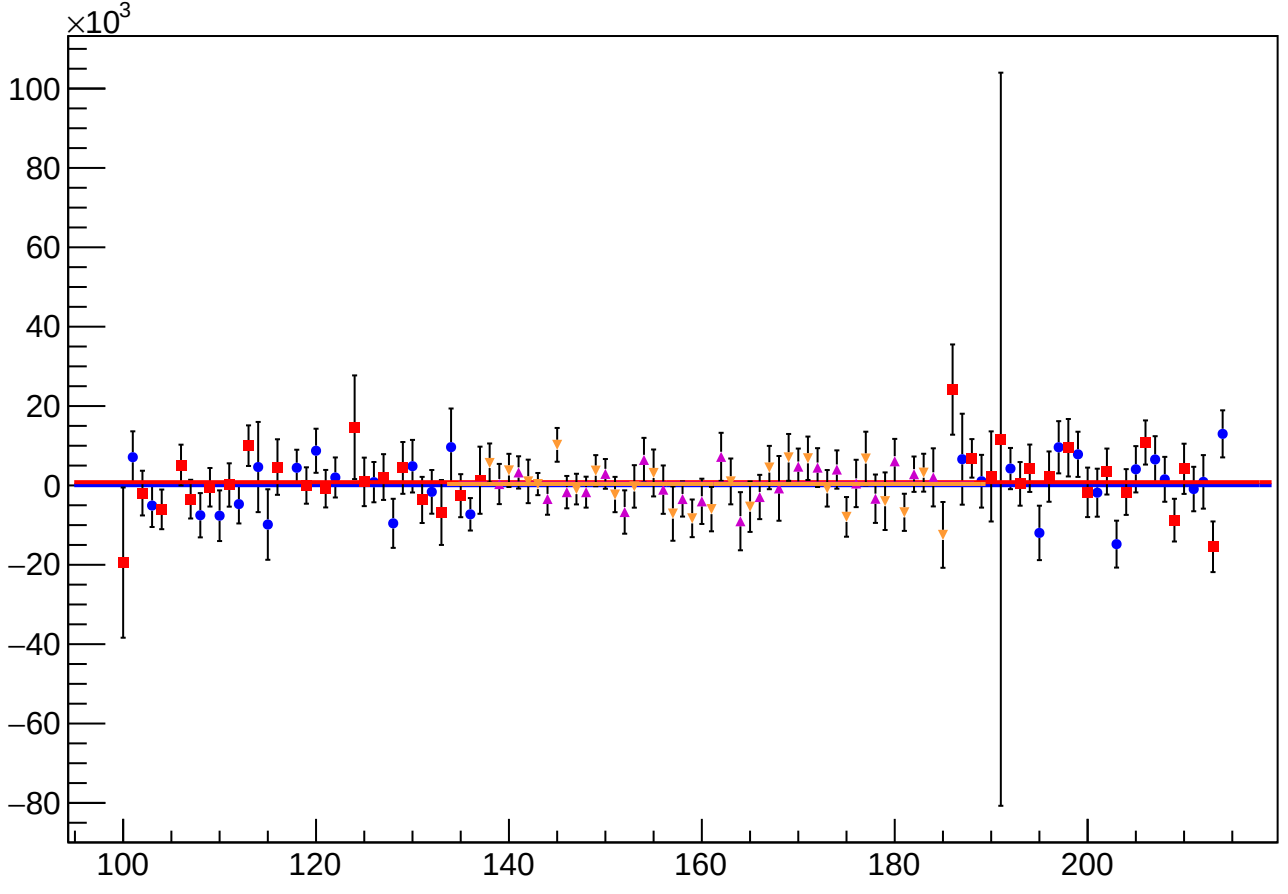
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4202.797+/-0.500 χ^2/NDF: 4146383.4/54

All: 4184.508+/-0.354 χ^2/NDF: 9049684.7/11

- sign 4166.224+/-0.500 χ^2/NDF: 4900628.6/56

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: 54.633+/-1079.312 χ^2/NDF: 39.5/29

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 822.015+/-1039.558 χ^2/NDF: 33.2/33

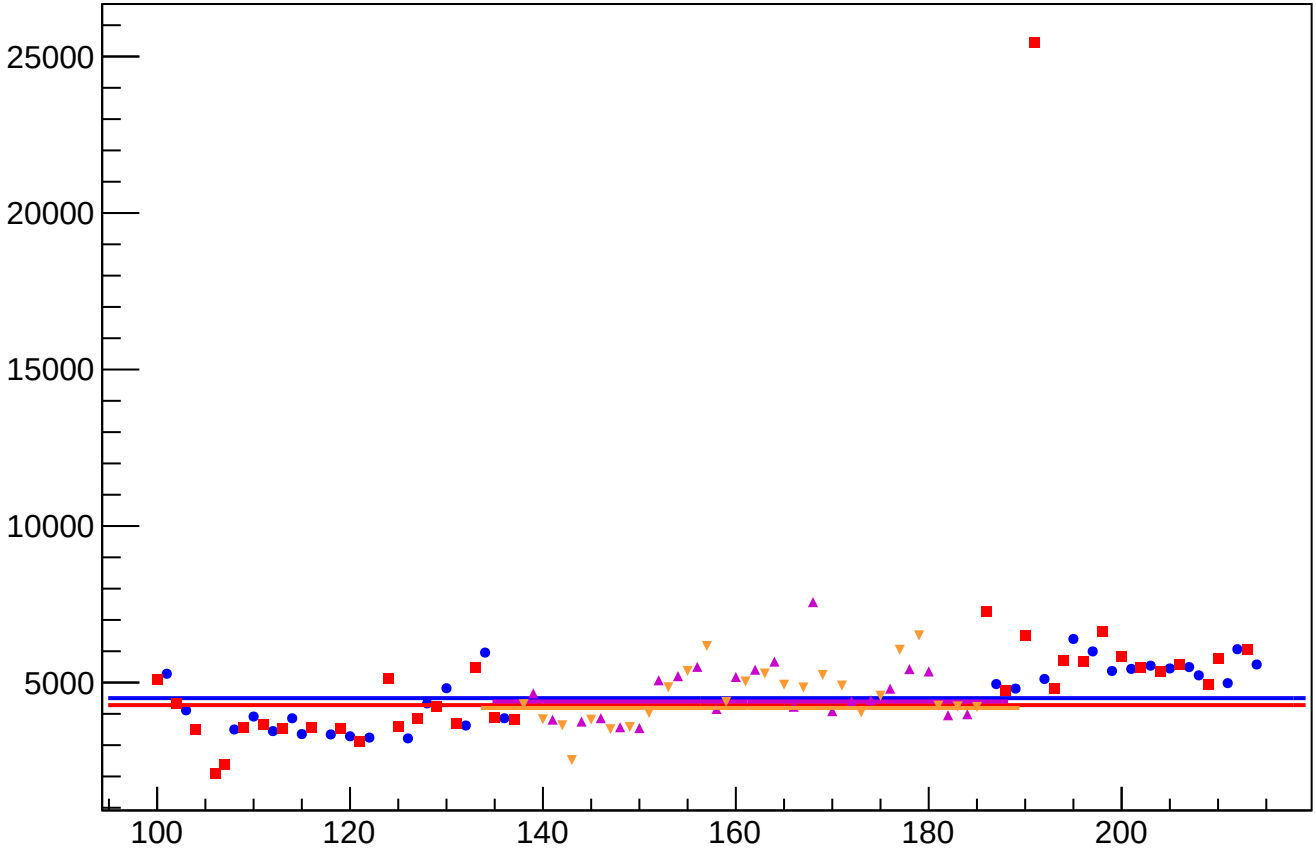
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 223.416+/-725.484 χ^2/NDF: 67.2/54

All: 438.583+/-516.981 χ^2/NDF: 114.5/111

- sign 660.570+/-736.892 χ^2/NDF: 47.1/56

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4501.866+/-0.763 χ^2/NDF: 1660246.7/29

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

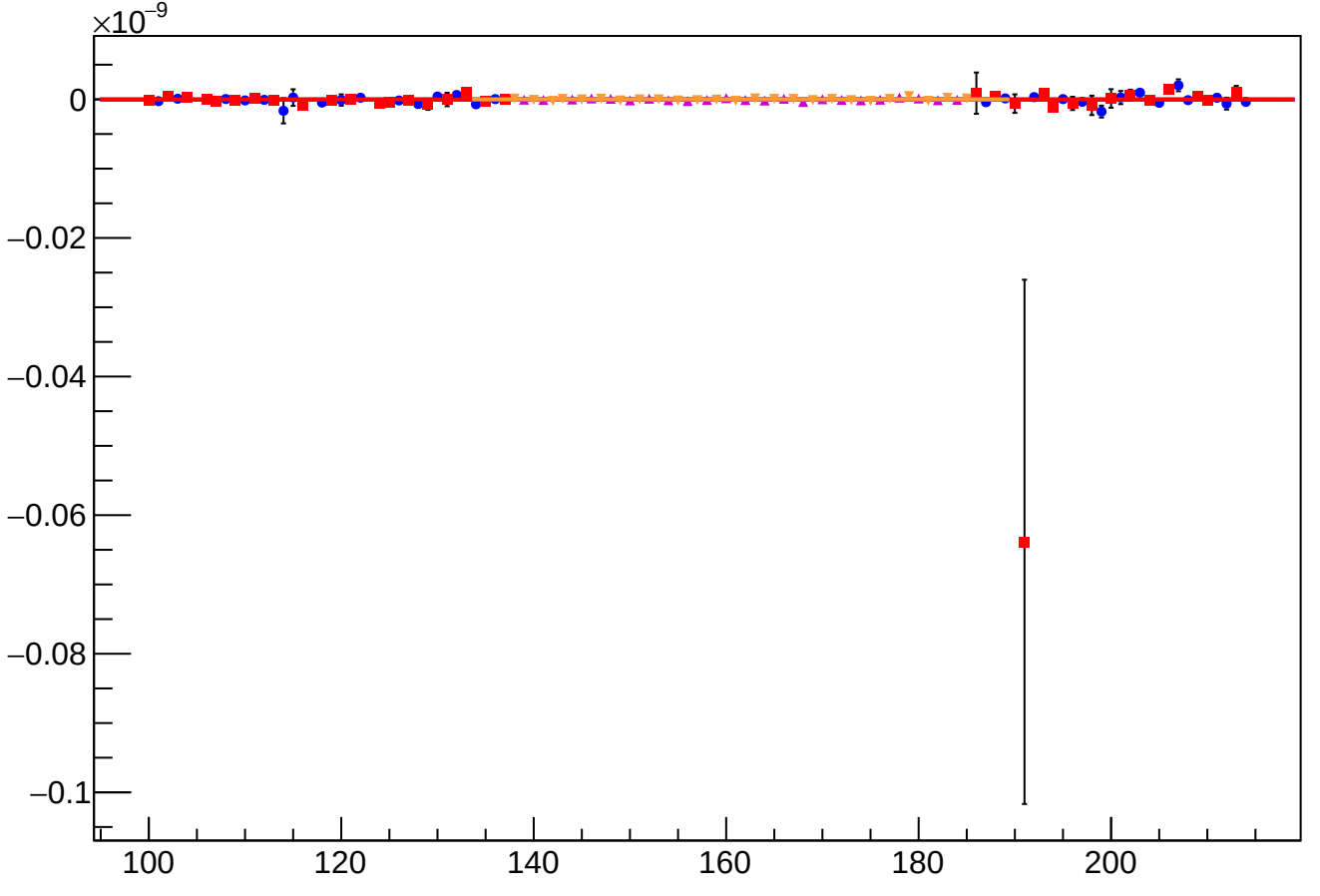
Right Out: 4278.738+/-0.729 χ^2/NDF: 2771161.8/33

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4329.727+/-0.513 χ^2/NDF: 3549398.3/54

All: 4332.710+/-0.365 χ^2/NDF: 7421427.4/11

- sign 4335.762+/-0.519 χ^2/NDF: 3871960.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

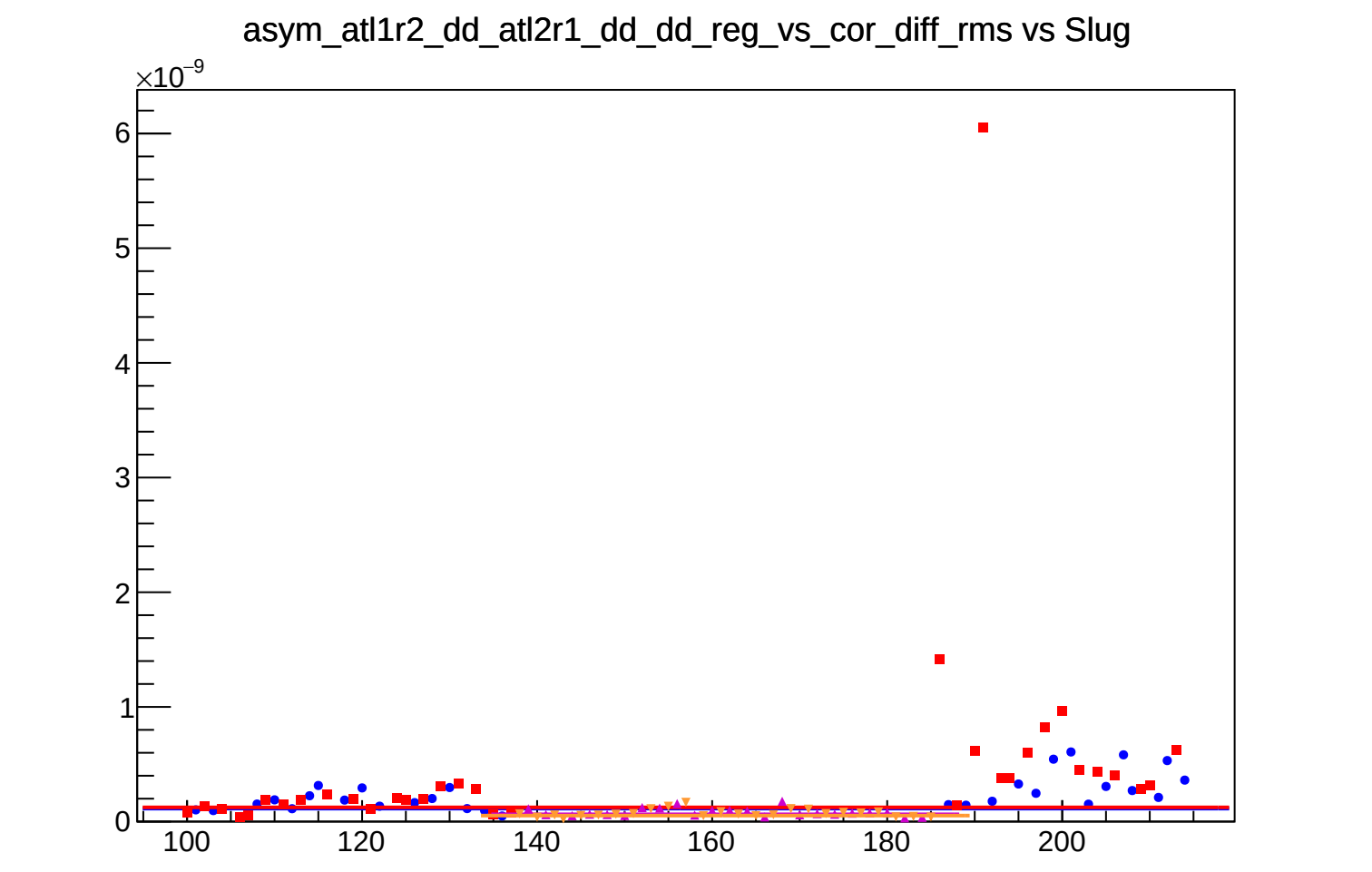
Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/33

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.2/54

All: -0.000+/-0.000 χ^2/NDF: 118.8/111

- sign -0.000+/-0.000 χ^2/NDF: 52.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 5327561.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

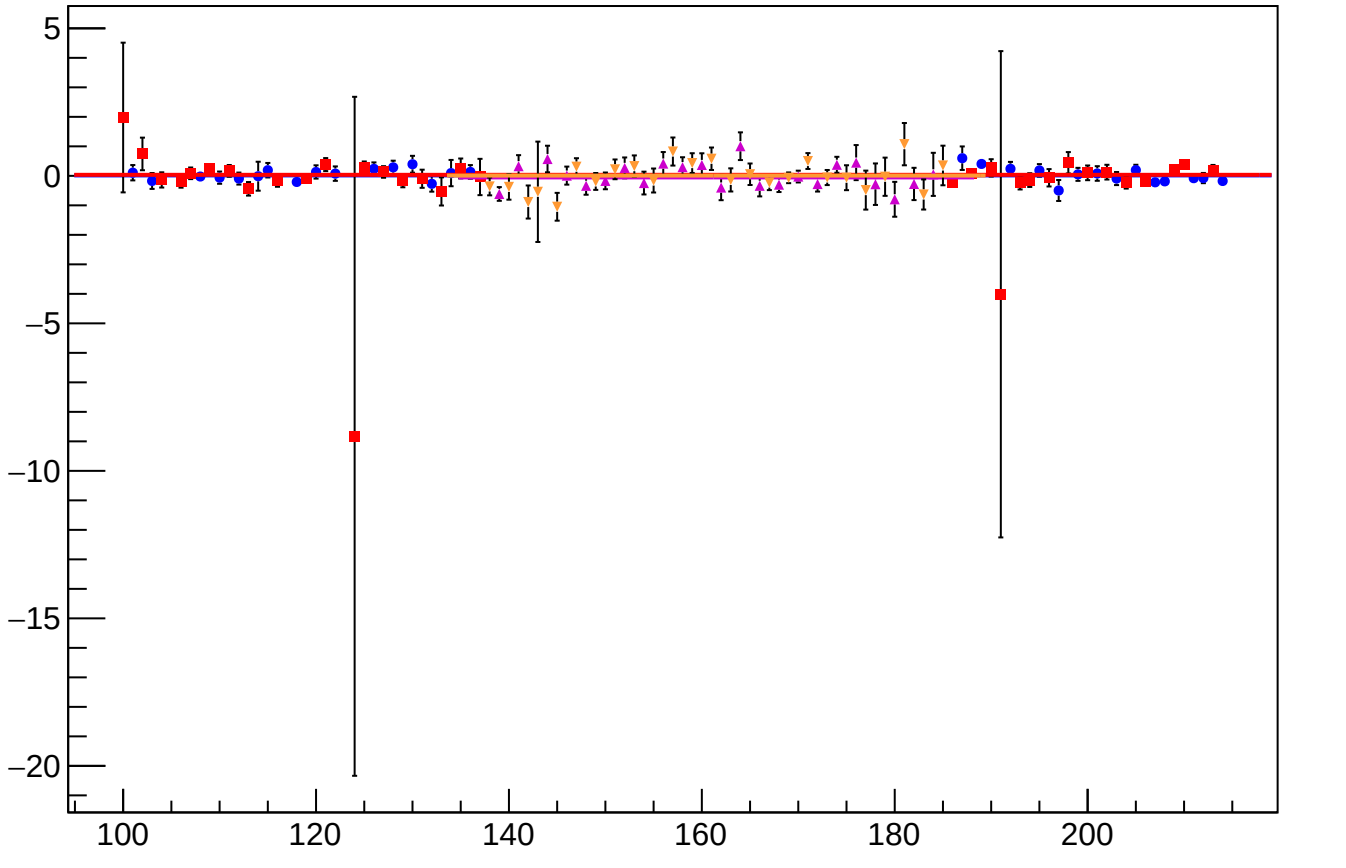
Right Out: 0.000+/-0.000 χ^2/NDF: 7511016.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10101048.3/54

All: 0.000+/-0.000 χ^2/NDF: 21413077.3/111

- sign 0.000+/-0.000 χ^2/NDF: 11026693.3/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

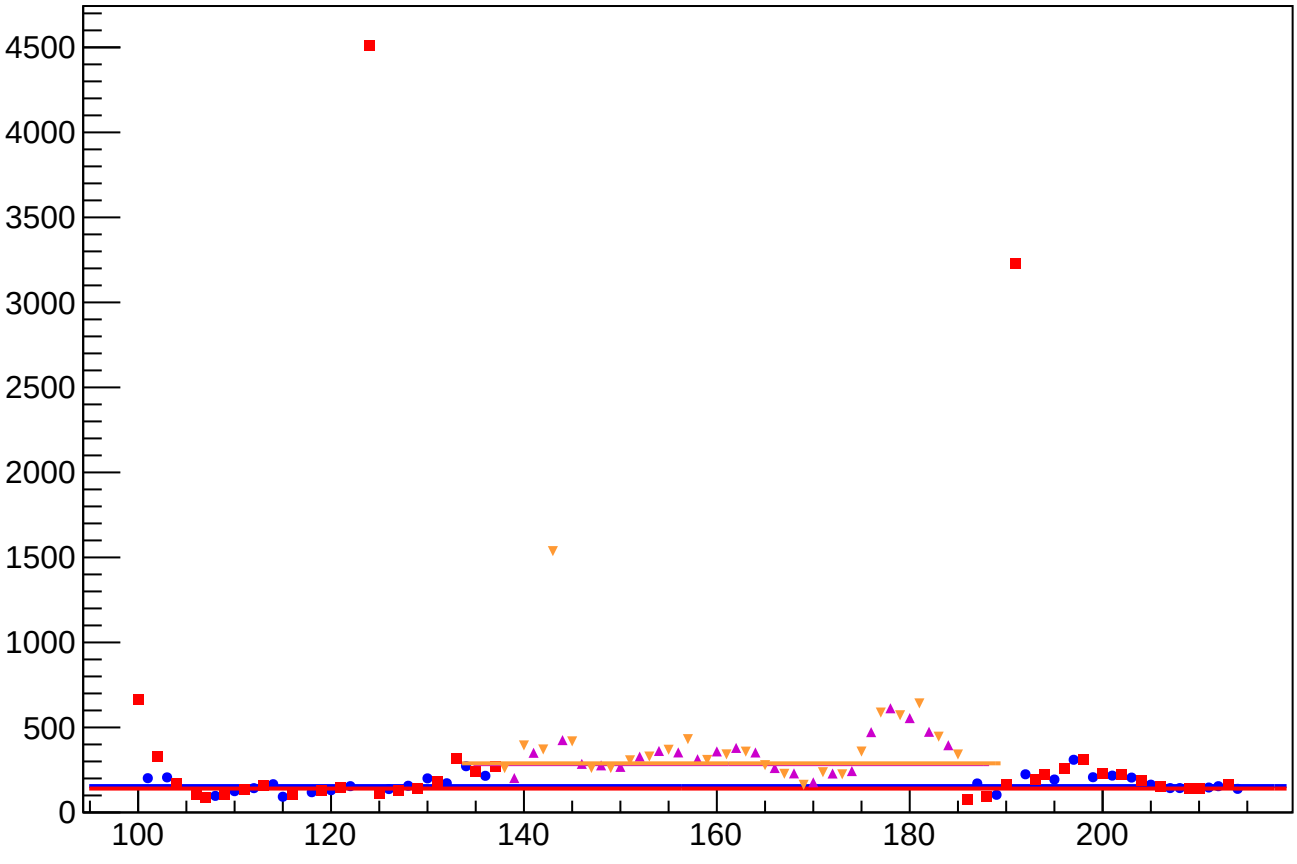
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.156+/-0.027 χ^2/NDF: 2285825.9/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

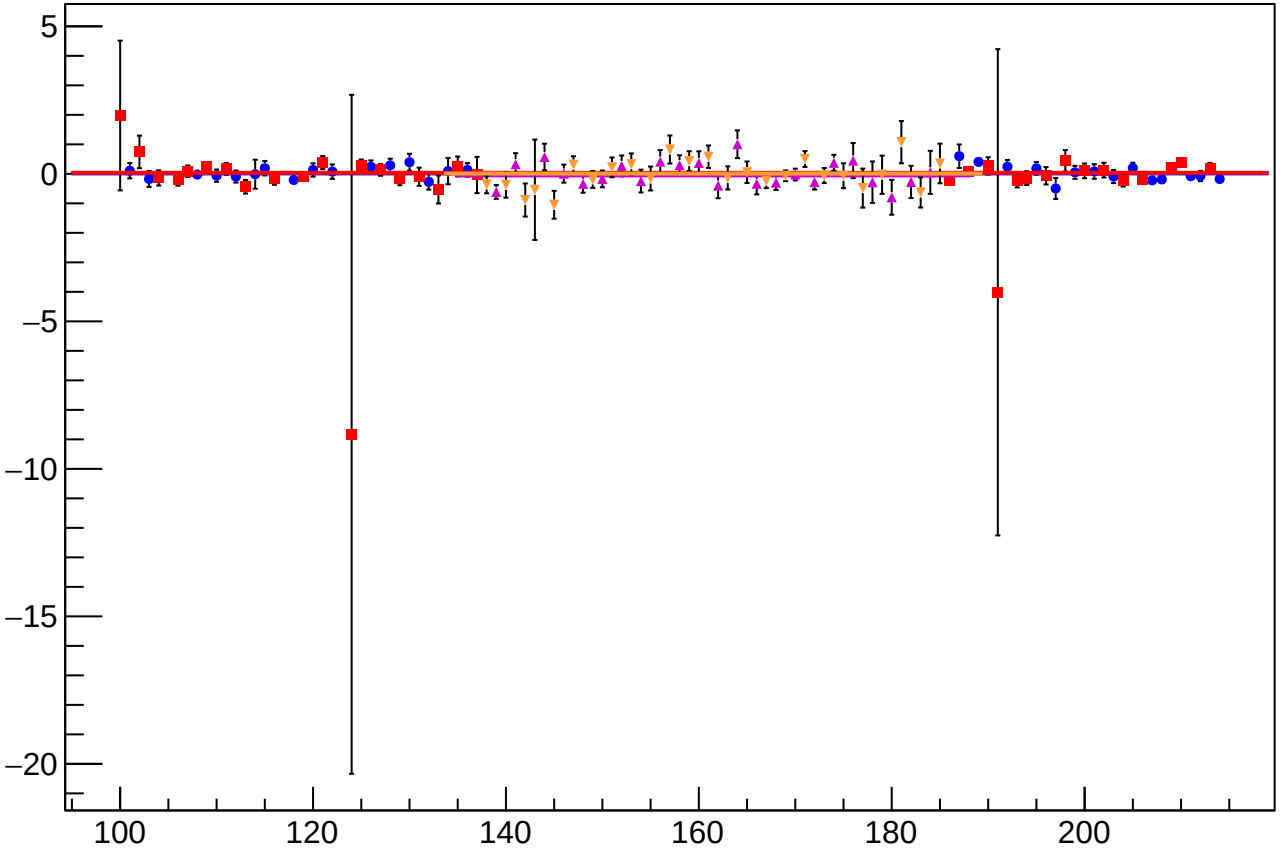
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433062.9/54

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/11

- sign 169.960+/-0.023 χ^2/NDF: 14419021.1/56

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

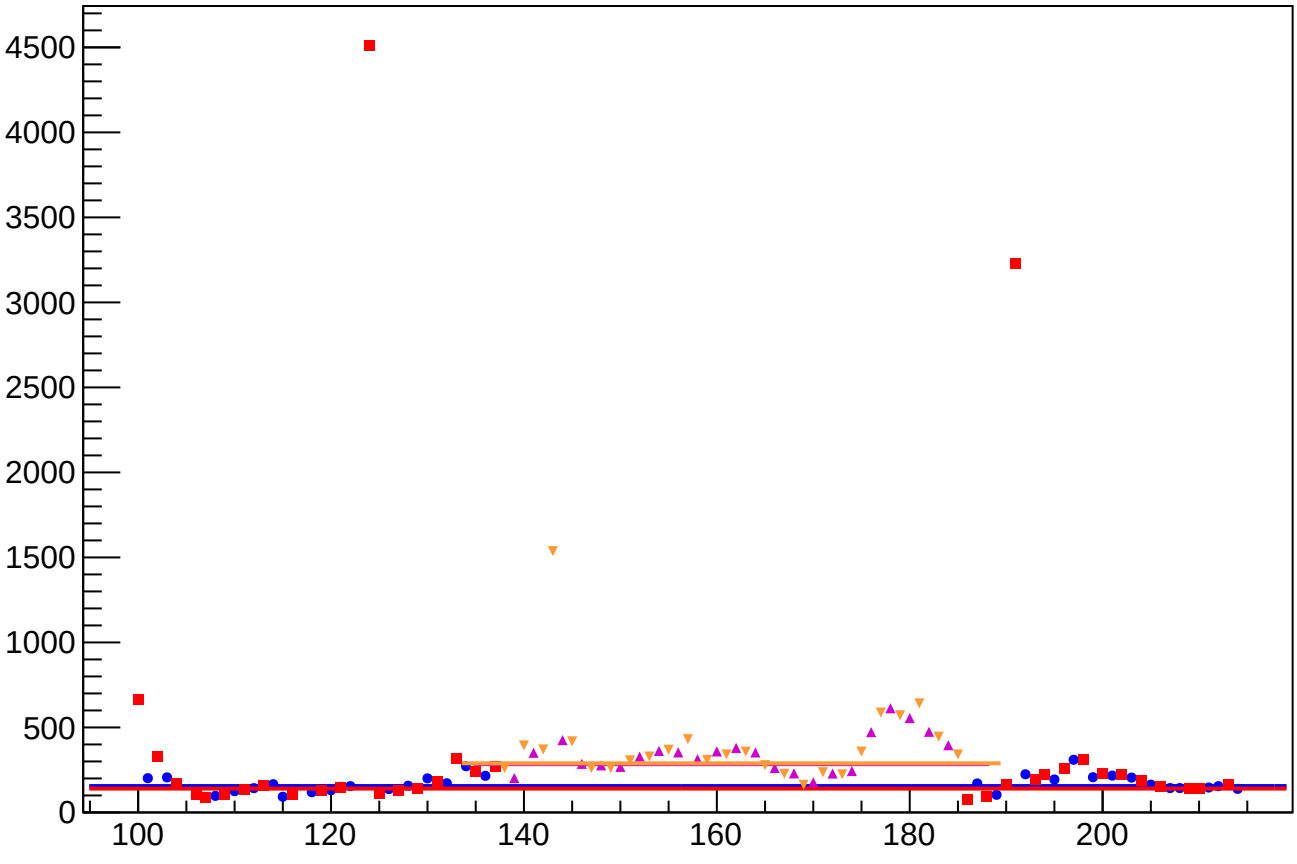
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.156+/-0.027 χ^2/NDF: 2285825.9/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

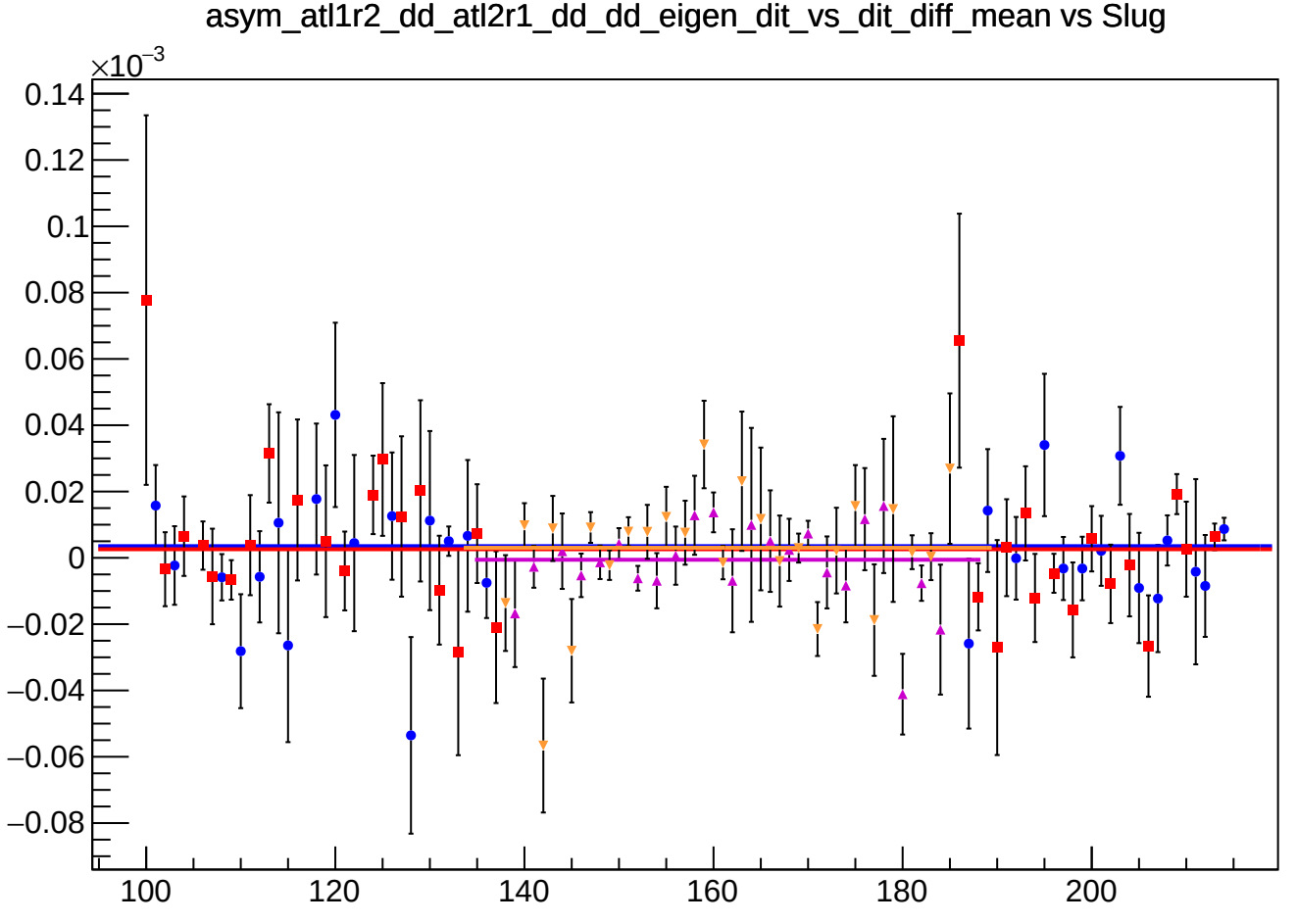
Right Out: 140.487+/-0.025 χ^2/NDF: 4720476.5/33

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433062.9/54

All: 177.187+/-0.016 χ^2/NDF: 27069459.0/11

- sign 169.960+/-0.023 χ^2/NDF: 14419021.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

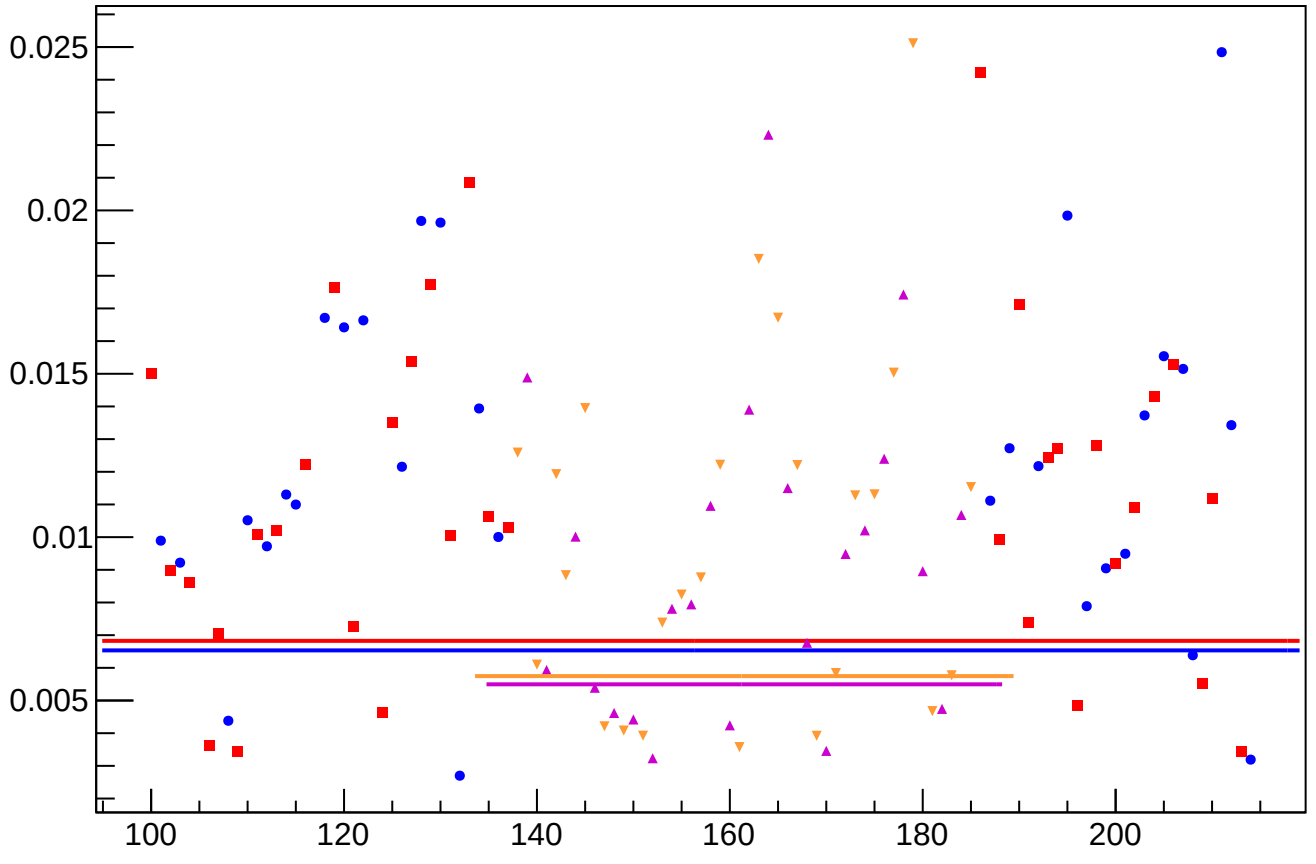
Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/33

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.6/54

All: 0.000+/-0.000 χ^2/NDF: 147.5/111

- sign 0.000+/-0.000 χ^2/NDF: 74.6/56



Right In: 0.007+/-0.000 χ^2/NDF: 11268614.1/29

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8640607.2/33

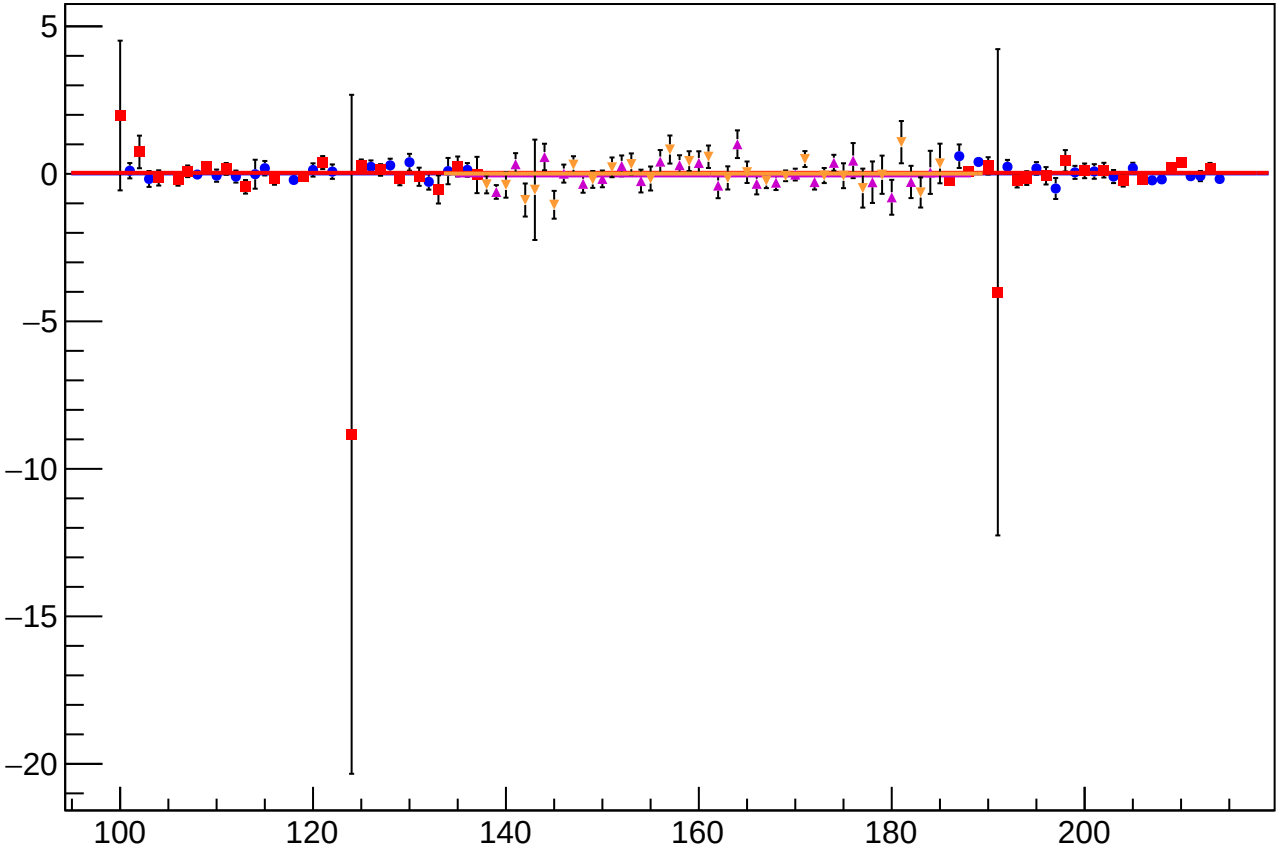
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19608283.8/54

All: 0.006+/-0.000 χ^2/NDF: 35803657.3/111

\- sign 0.006+/-0.000 χ^2/NDF: 16194748.4/56

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

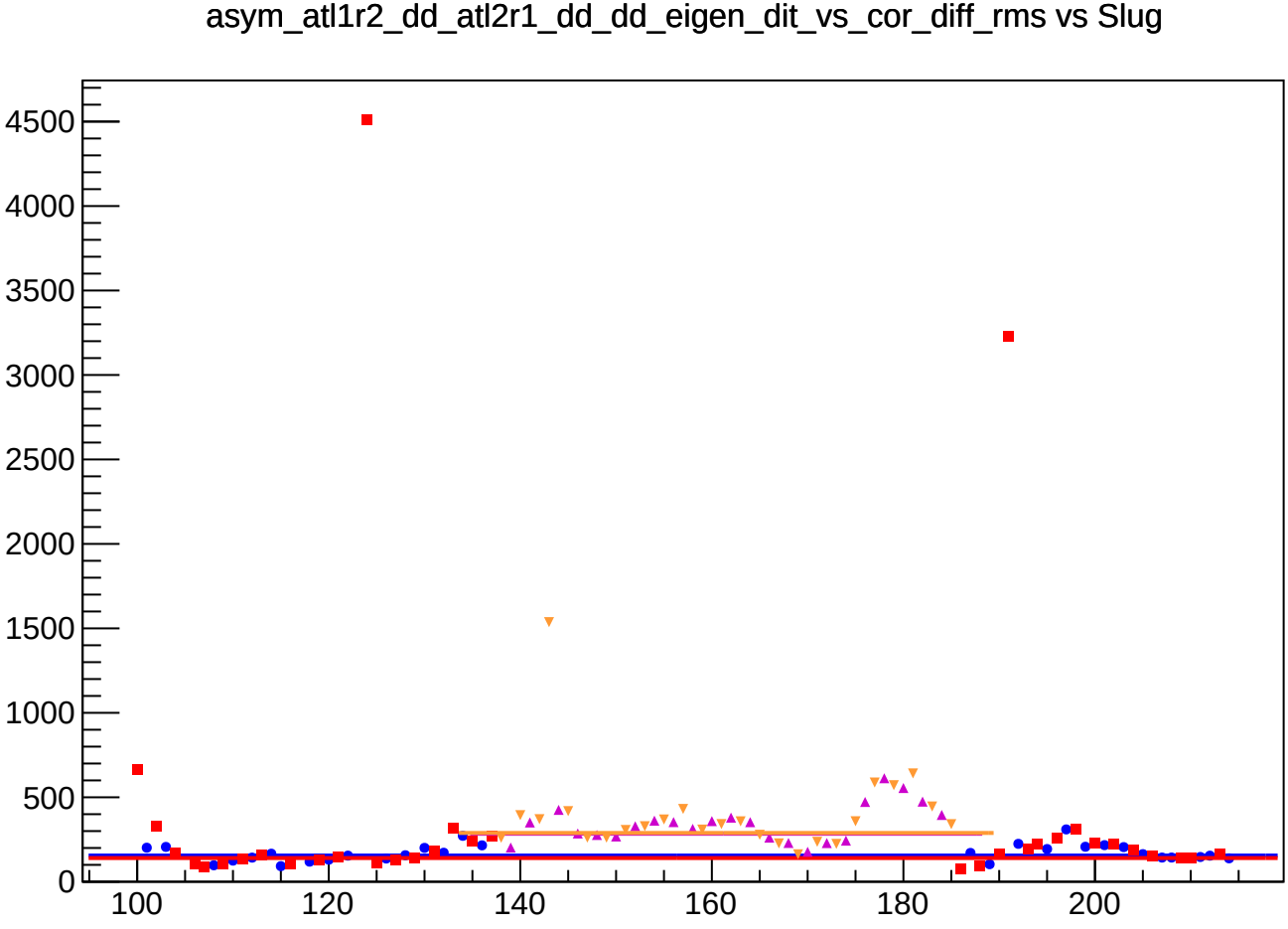
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

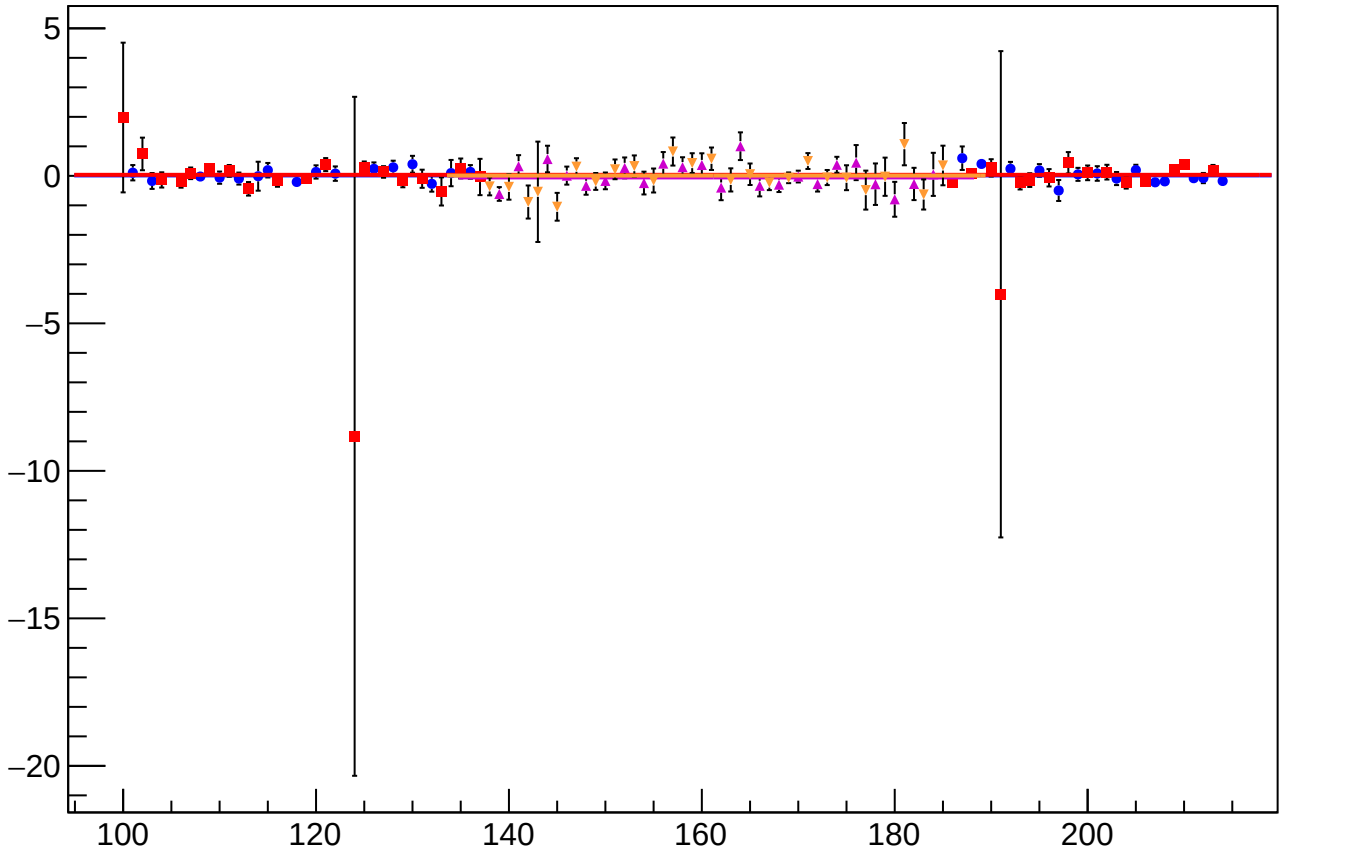
Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56



Right In: 0.015+/-0.038 χ^2/NDF: 29.3/29

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

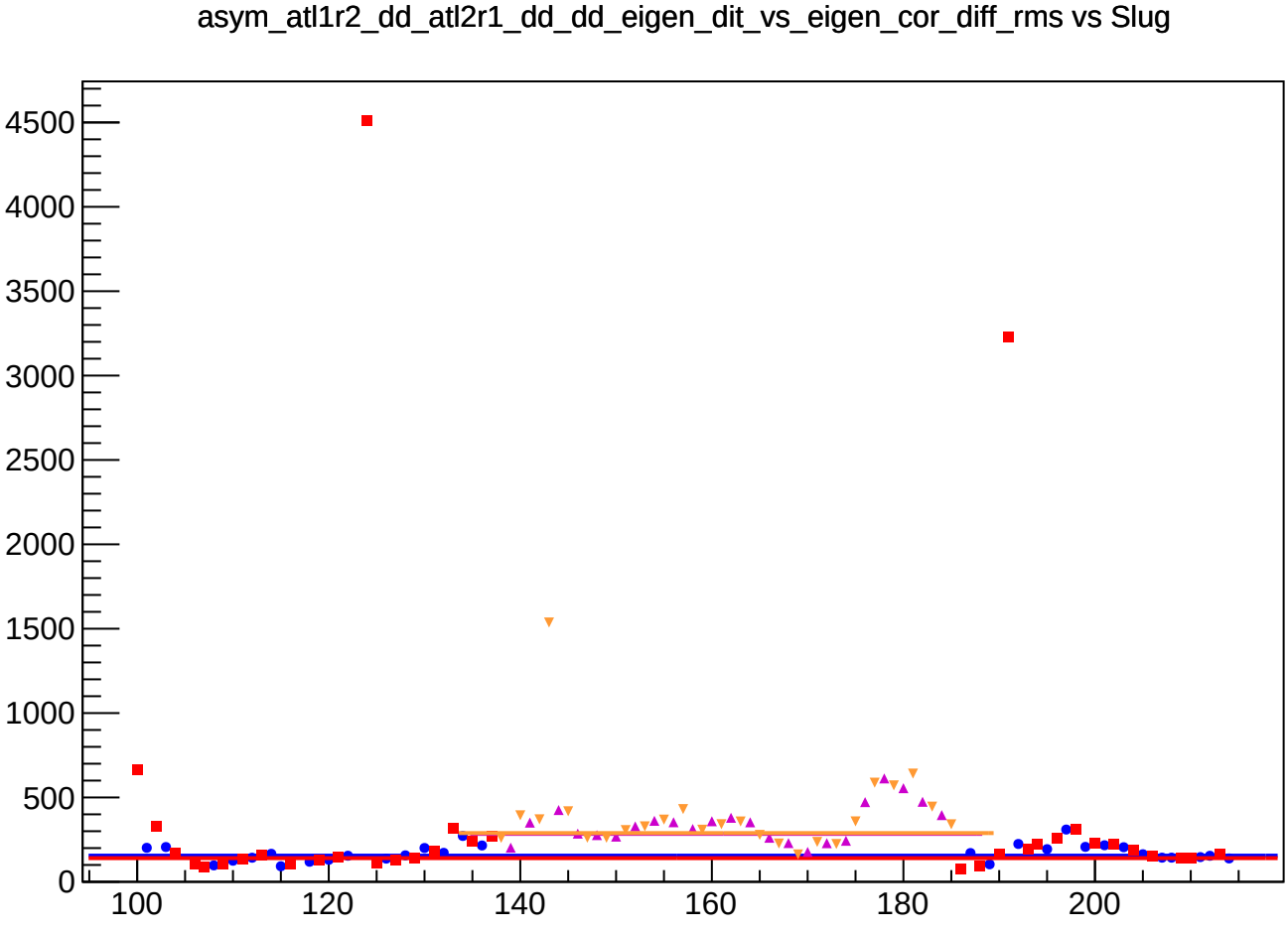
Right Out: 0.035+/-0.036 χ^2/NDF: 40.7/33

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.014+/-0.034 χ^2/NDF: 58.2/54

All: 0.015+/-0.023 χ^2/NDF: 127.9/111

- sign 0.017+/-0.032 χ^2/NDF: 69.7/56



Right In: 155.157+/-0.027 χ^2/NDF: 2285813.4/29

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

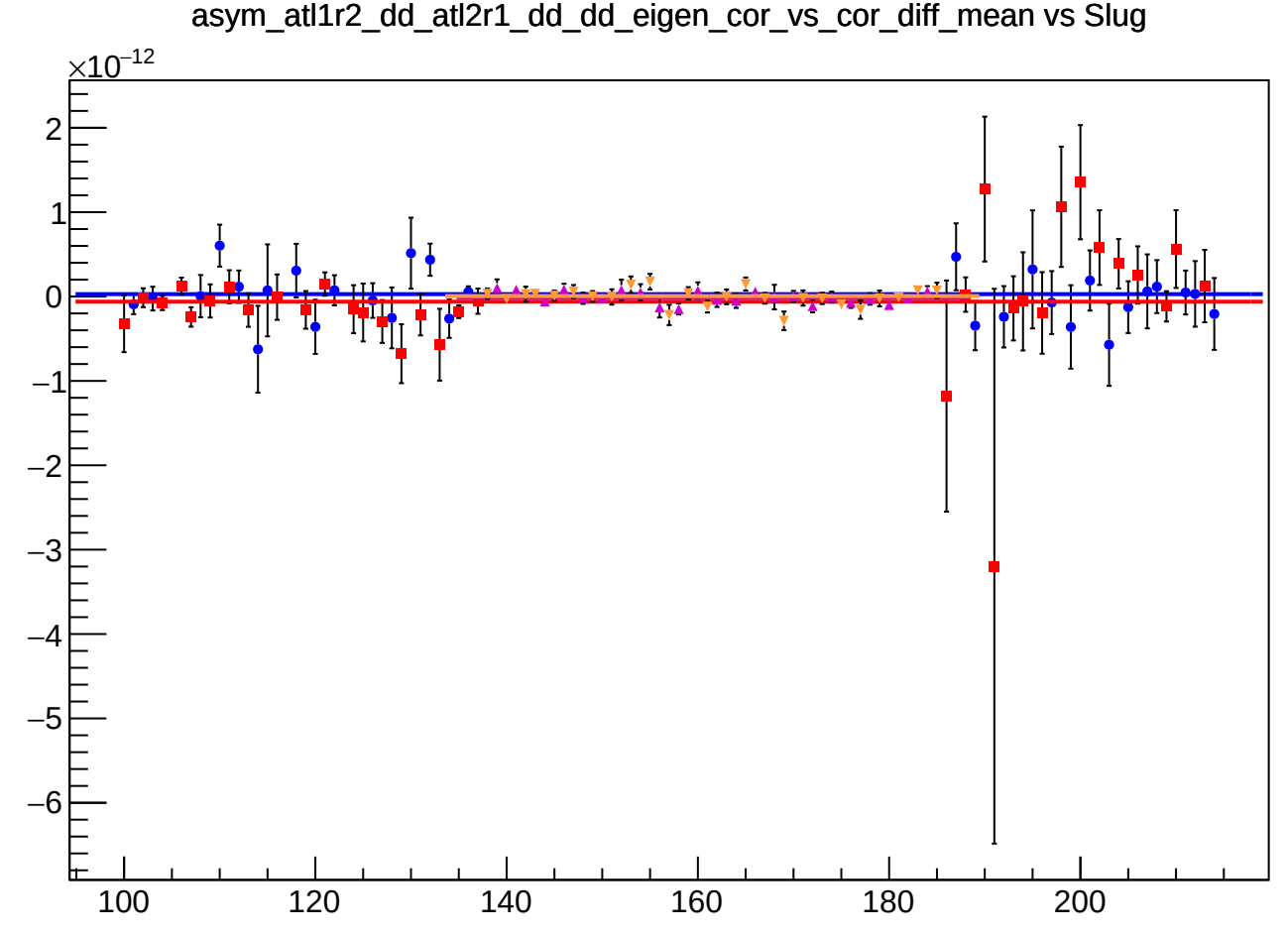
Right Out: 140.488+/-0.025 χ^2/NDF: 4720310.1/33

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 185.252+/-0.024 χ^2/NDF: 12433180.3/54

All: 177.188+/-0.016 χ^2/NDF: 27069361.4/11

- sign 169.962+/-0.023 χ^2/NDF: 14418846.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

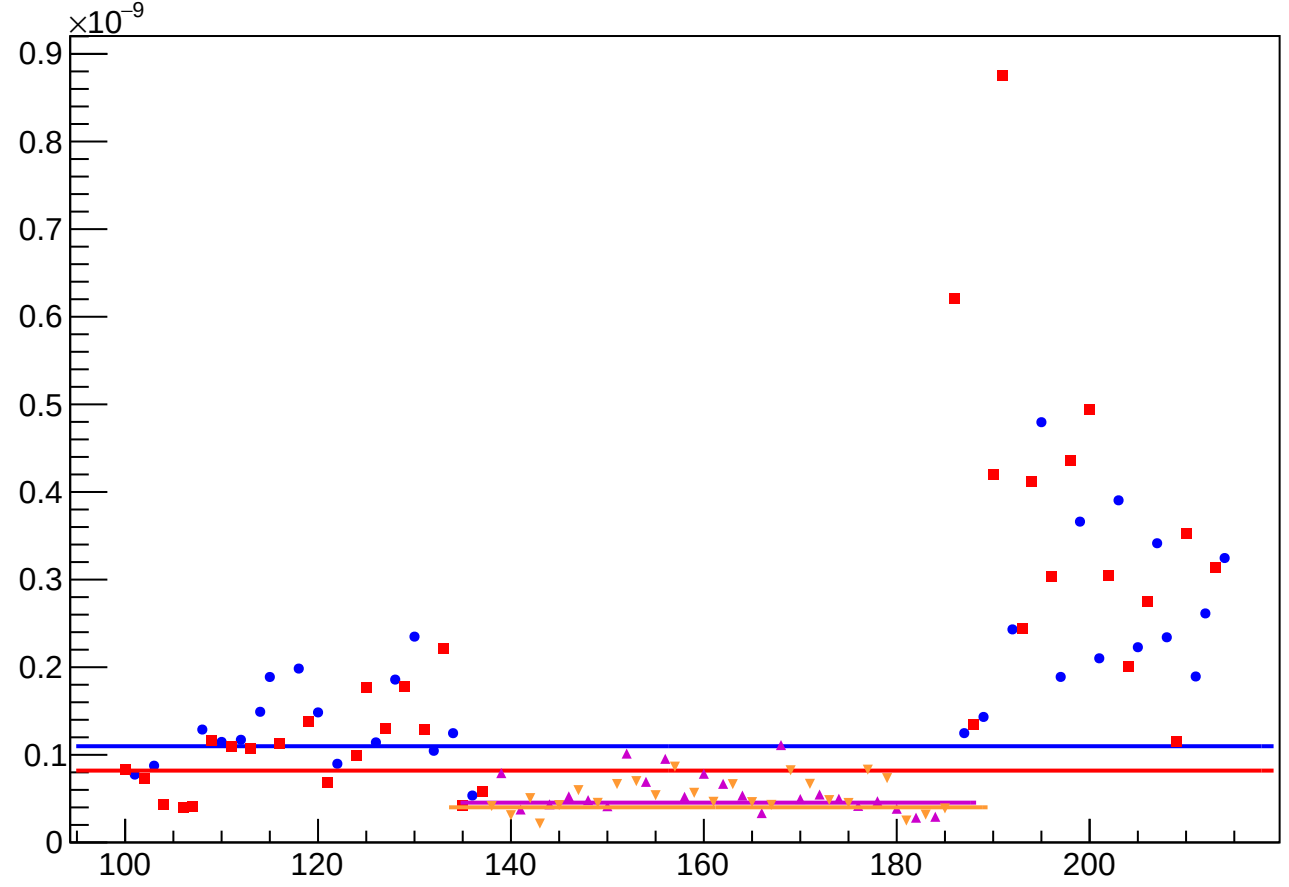
Right Out: -0.000+/-0.000 χ^2/NDF: 37.3/33

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/54

All: -0.000+/-0.000 χ^2/NDF: 125.4/111

- sign -0.000+/-0.000 χ^2/NDF: 62.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6619338.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8993126.0/33

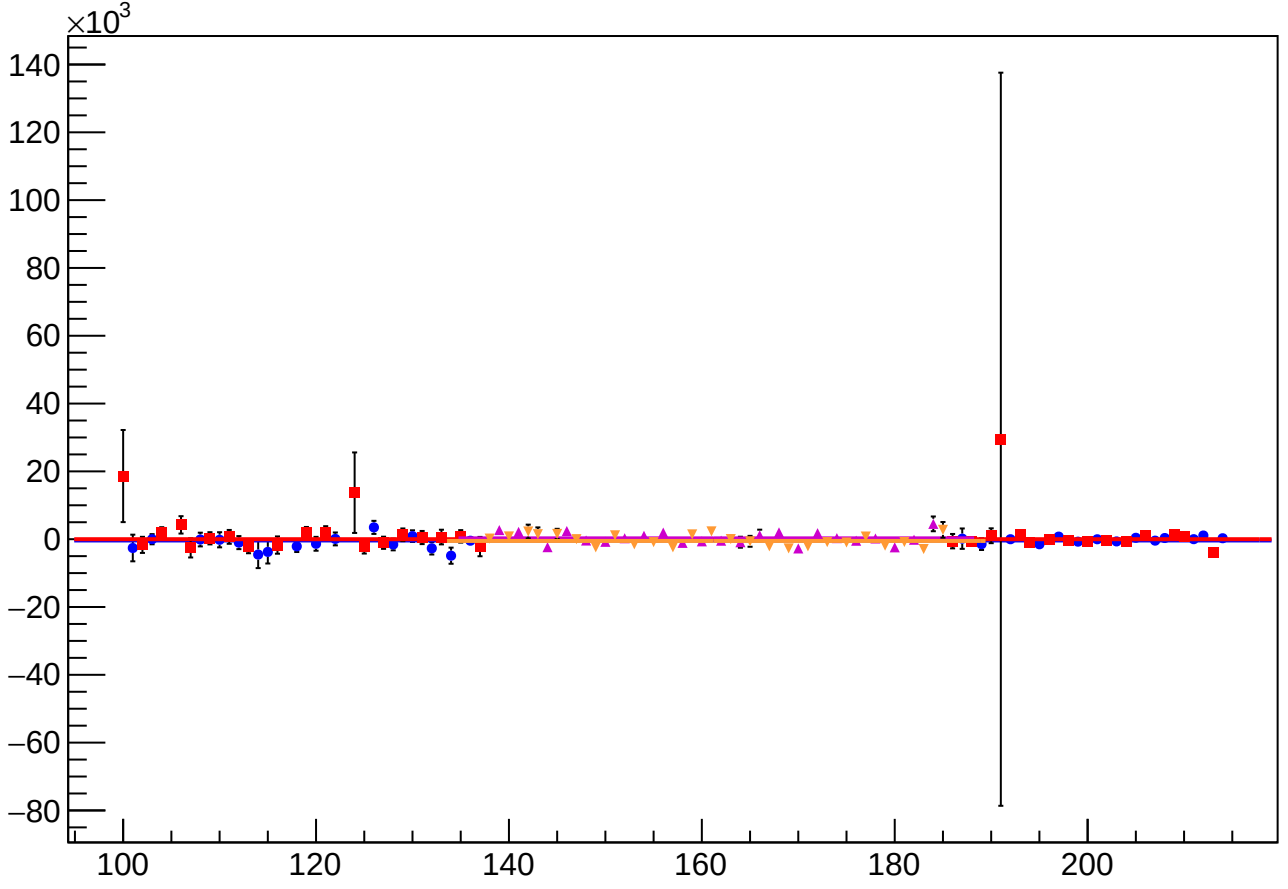
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 15999171.9/54

All: 0.000+/-0.000 χ^2/NDF: 30108280.9/111

- sign 0.000+/-0.000 χ^2/NDF: 13962625.3/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -375.445+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -4.501+/-299.265 χ^2/NDF: 29.8/33

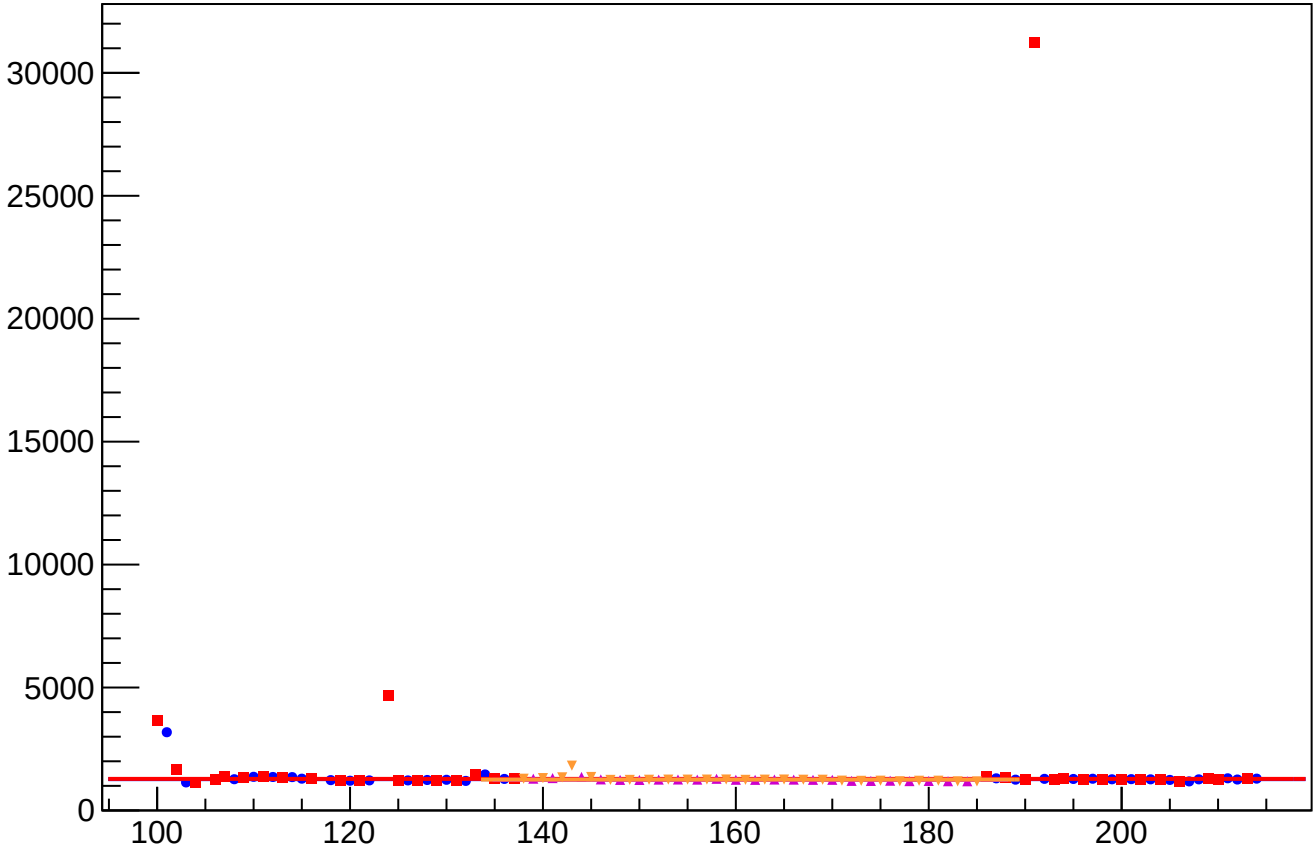
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -448.241+/-206.903 χ^2/NDF: 49.2/54

All: -165.333+/-146.930 χ^2/NDF: 115.2/111

- sign 122.482+/-208.690 χ^2/NDF: 62.2/56

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534157.2/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

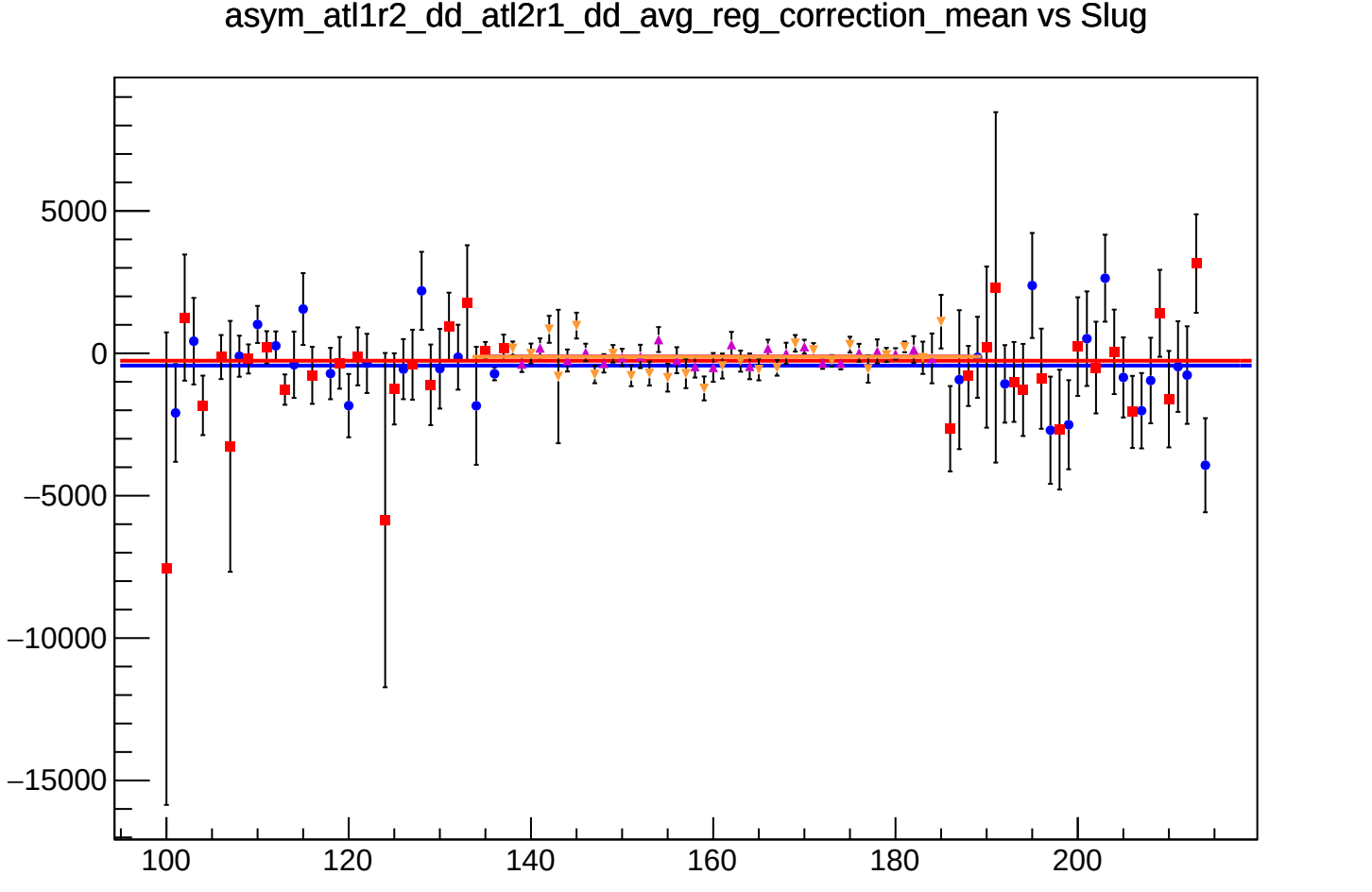
Right Out: 1283.846+/-0.212 χ^2/NDF: 507659.6/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741041.3/54

All: 1264.327+/-0.104 χ^2/NDF: 1304689.2/11

- sign 1264.586+/-0.148 χ^2/NDF: 563641.8/56



Right In: -430.366+/-156.275 χ^2/NDF: 34.7/29

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

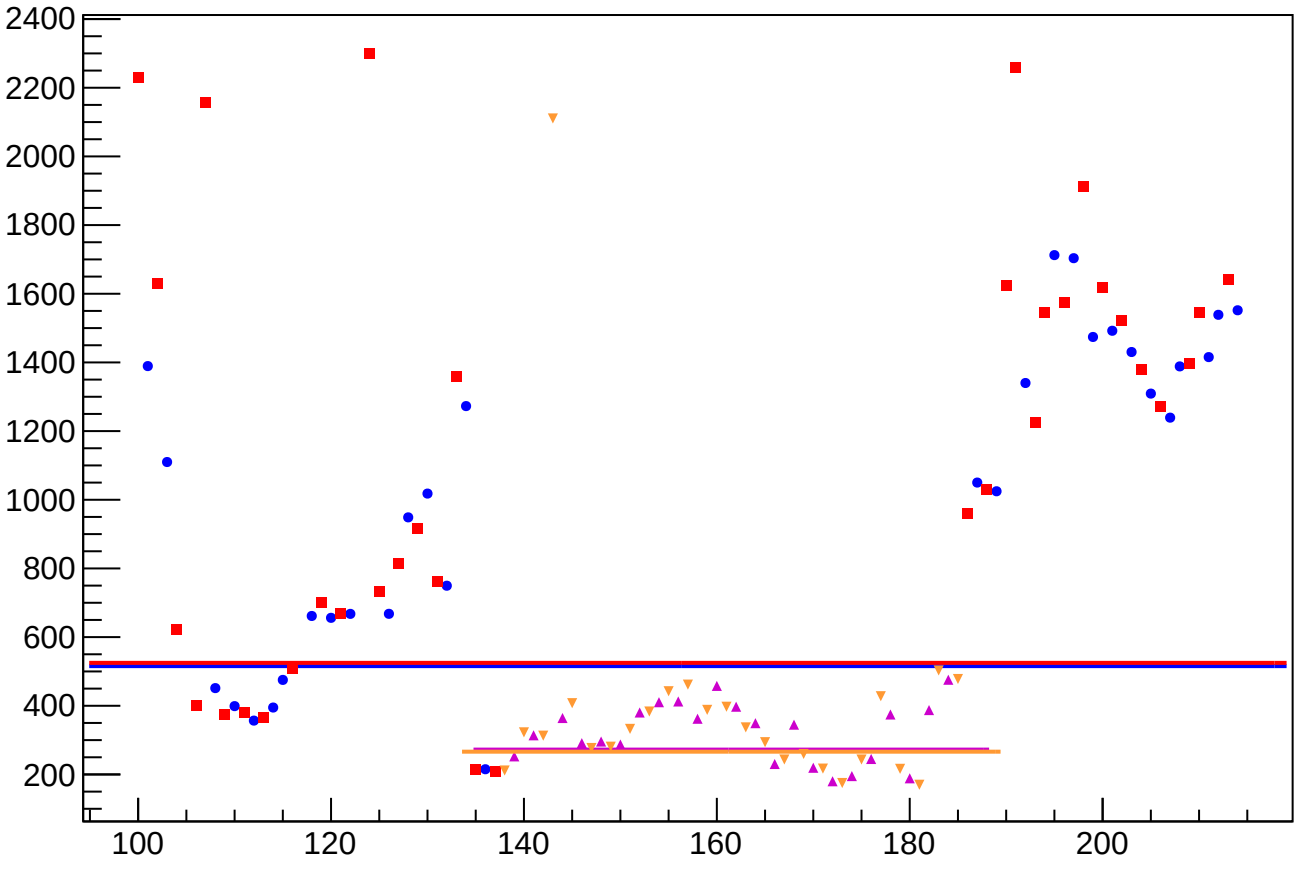
Right Out: -259.769+/-156.900 χ^2/NDF: 27.8/33

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -163.313+/-60.062 χ^2/NDF: 86.5/54

All: -147.497+/-43.010 χ^2/NDF: 129.0/111

- sign -130.850+/-61.618 χ^2/NDF: 42.4/56



Right In: 515.489+/-0.111 χ^2/NDF: 14487911.7/29

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

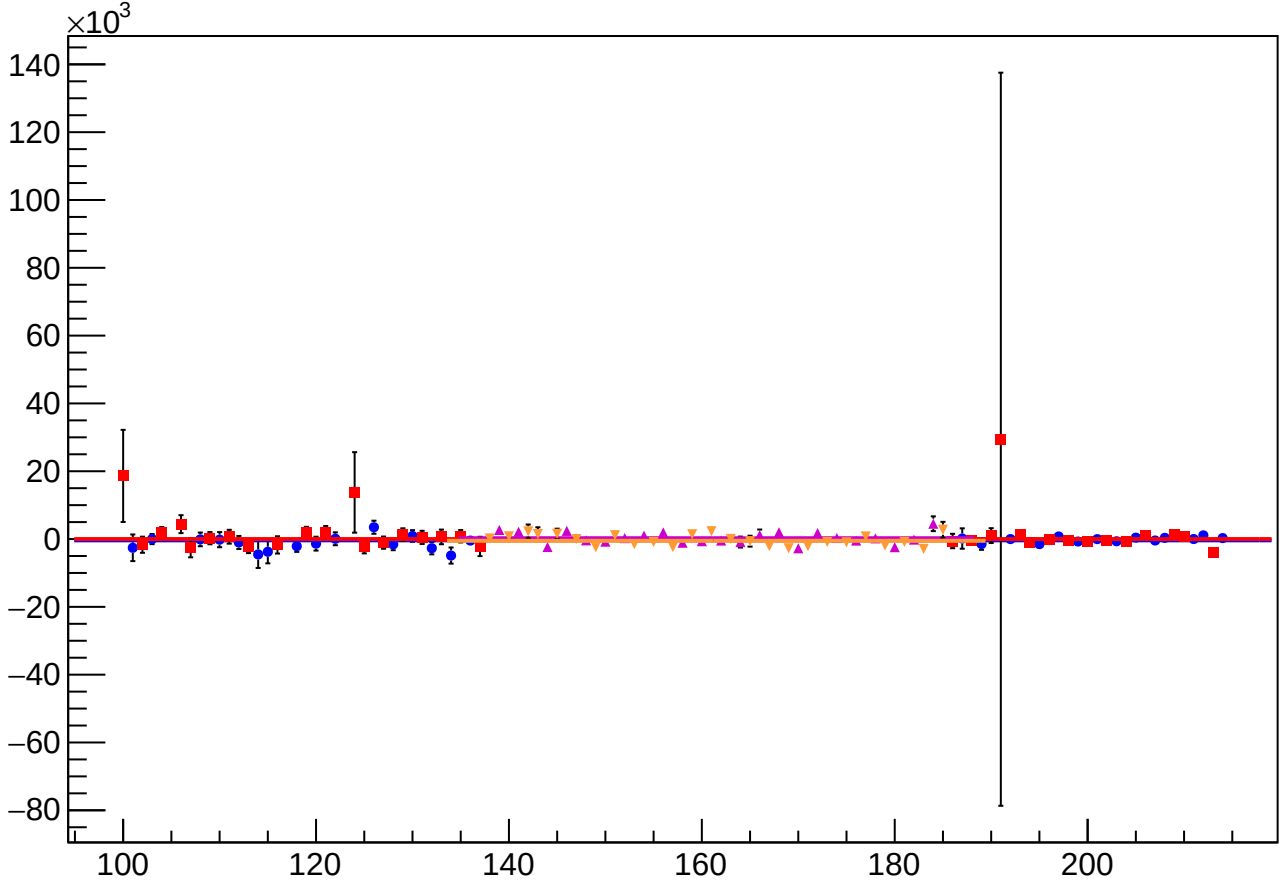
Right Out: 525.002+/-0.111 χ^2/NDF: 14551589.6/33

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 303.126+/-0.042 χ^2/NDF: 23451400.6/54

All: 307.124+/-0.030 χ^2/NDF: 45294489.4/11

- sign 311.331+/-0.044 χ^2/NDF: 21824904.6/56



Right In: -375.303+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2/NDF: 29.8/33

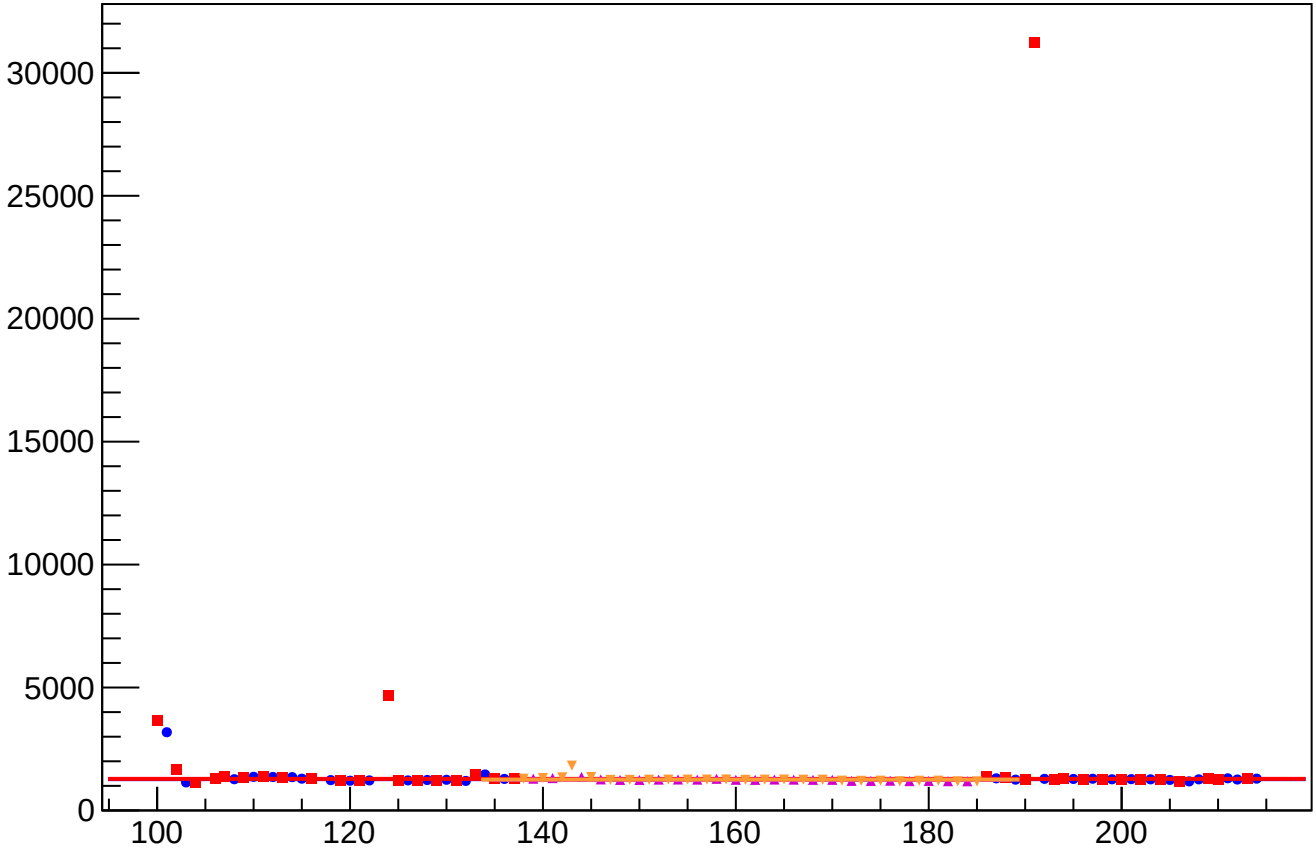
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -448.145+/-206.903 χ^2/NDF: 49.2/54

All: -165.629+/-146.945 χ^2/NDF: 115.2/111

- sign 121.901+/-208.731 χ^2/NDF: 62.2/56

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534158.6/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

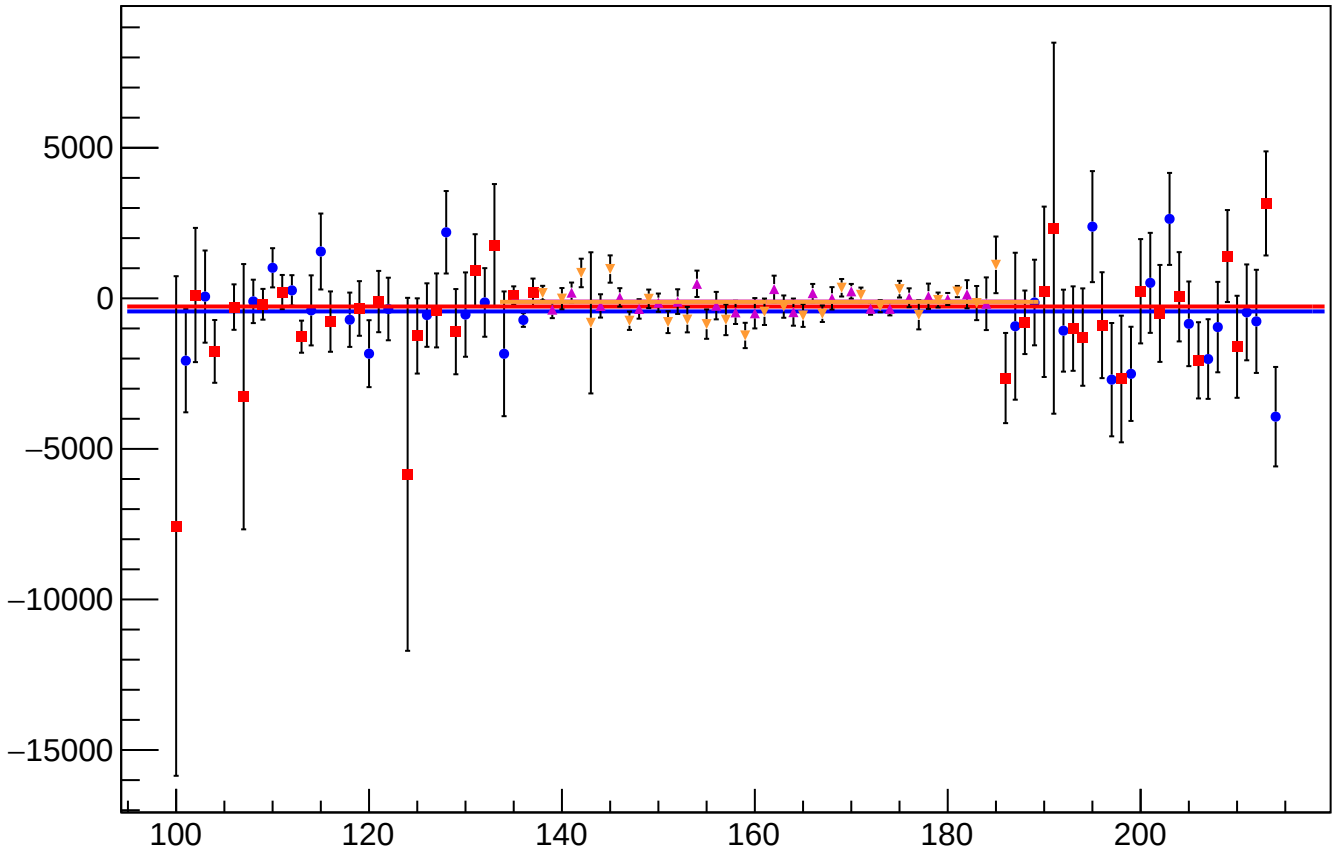
Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741042.7/54

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

- sign 1264.841+/-0.148 χ^2/NDF: 564079.9/56



Right In: -434.227+/-156.290 χ^2/NDF: 34.4/29

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

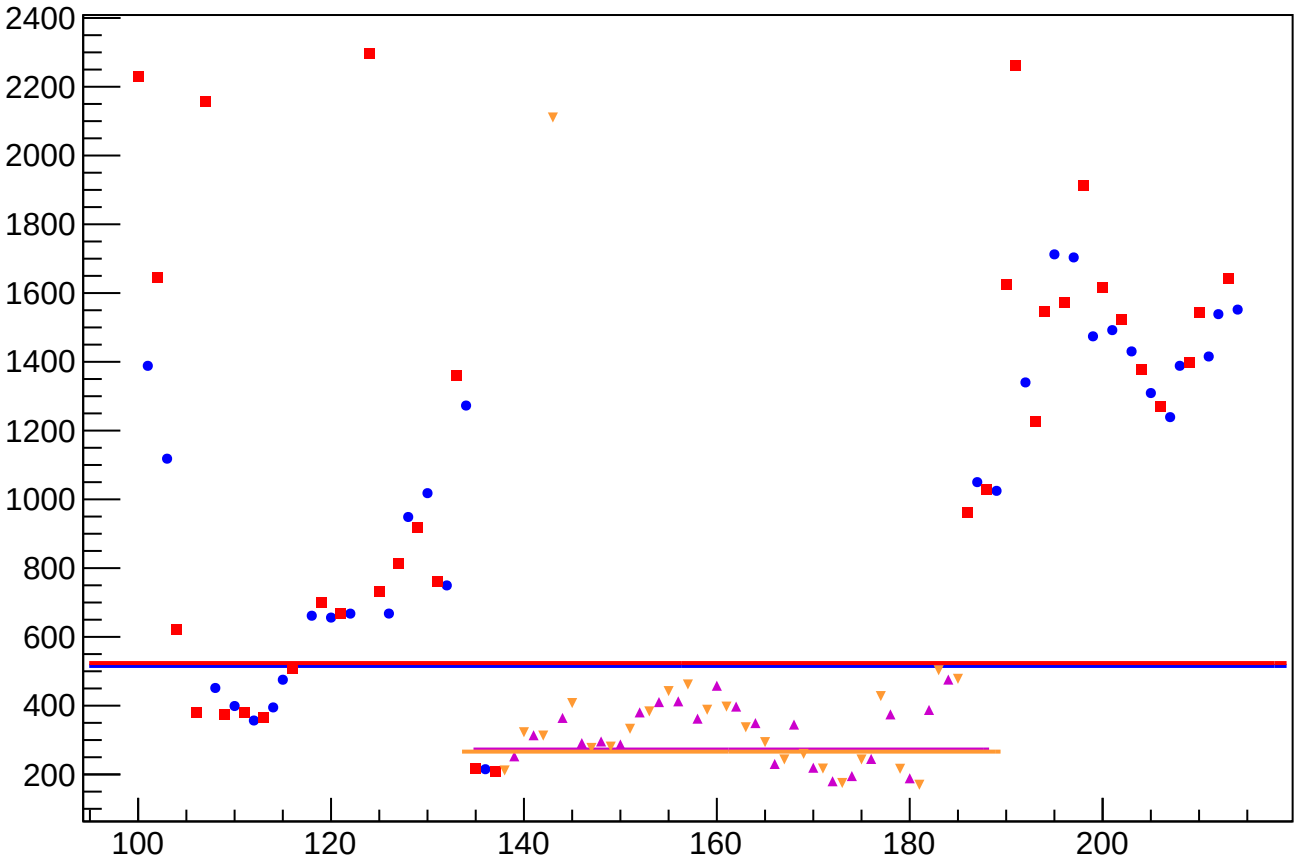
Right Out: -270.932+/-156.743 χ^2/NDF: 27.2/33

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -163.854+/-60.064 χ^2/NDF: 86.4/54

All: -148.680+/-43.008 χ^2/NDF: 128.3/111

- sign -132.715+/-61.610 χ^2/NDF: 41.8/56



Right In: 515.510+/-0.111 χ^2/NDF: 14490917.6/29

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

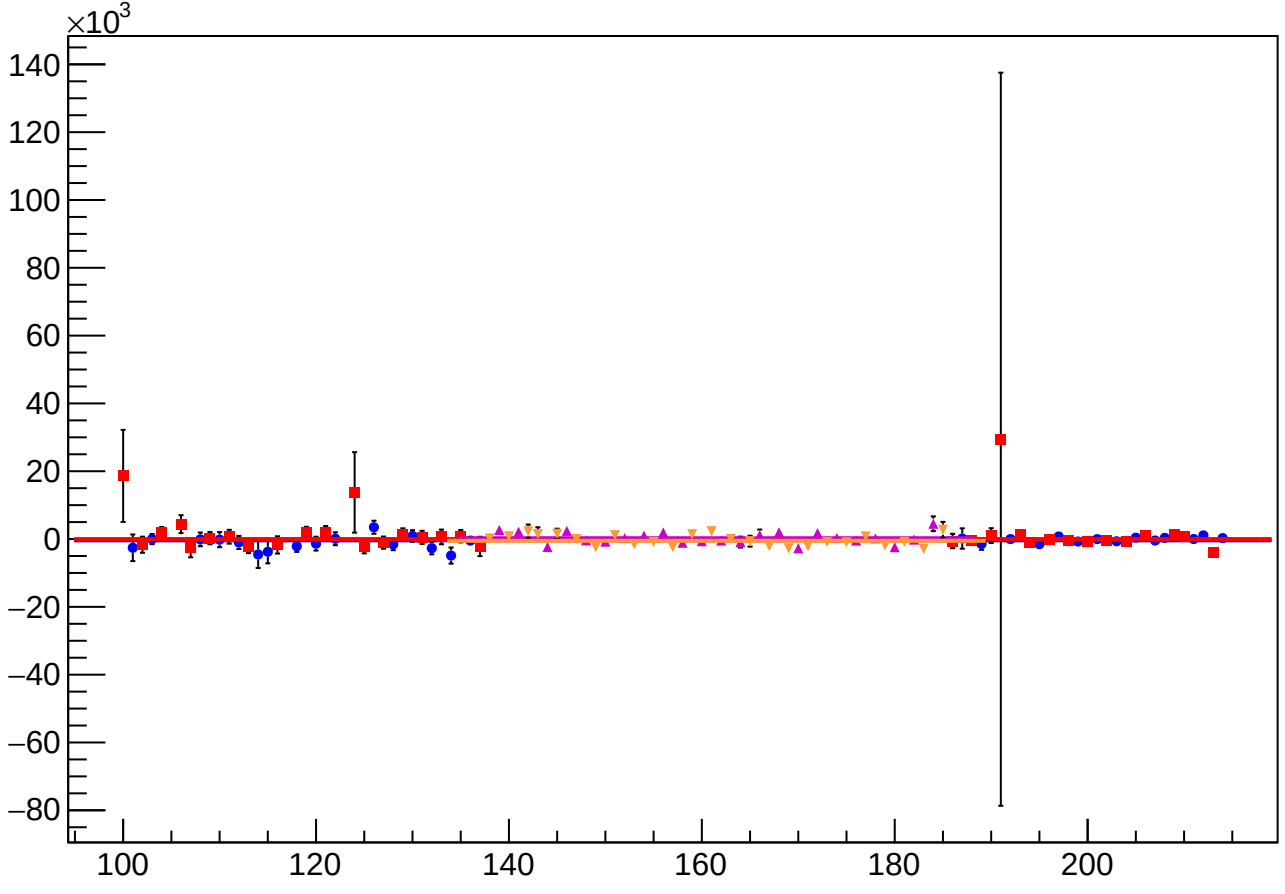
Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 303.129+/-0.042 χ^2/NDF: 23454184.7/54

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/11

- sign 311.239+/-0.044 χ^2/NDF: 21821408.2/56



Right In: -375.303+/-299.753 χ^2/NDF: 18.2/29

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -5.775+/-299.387 χ^2/NDF: 29.8/33

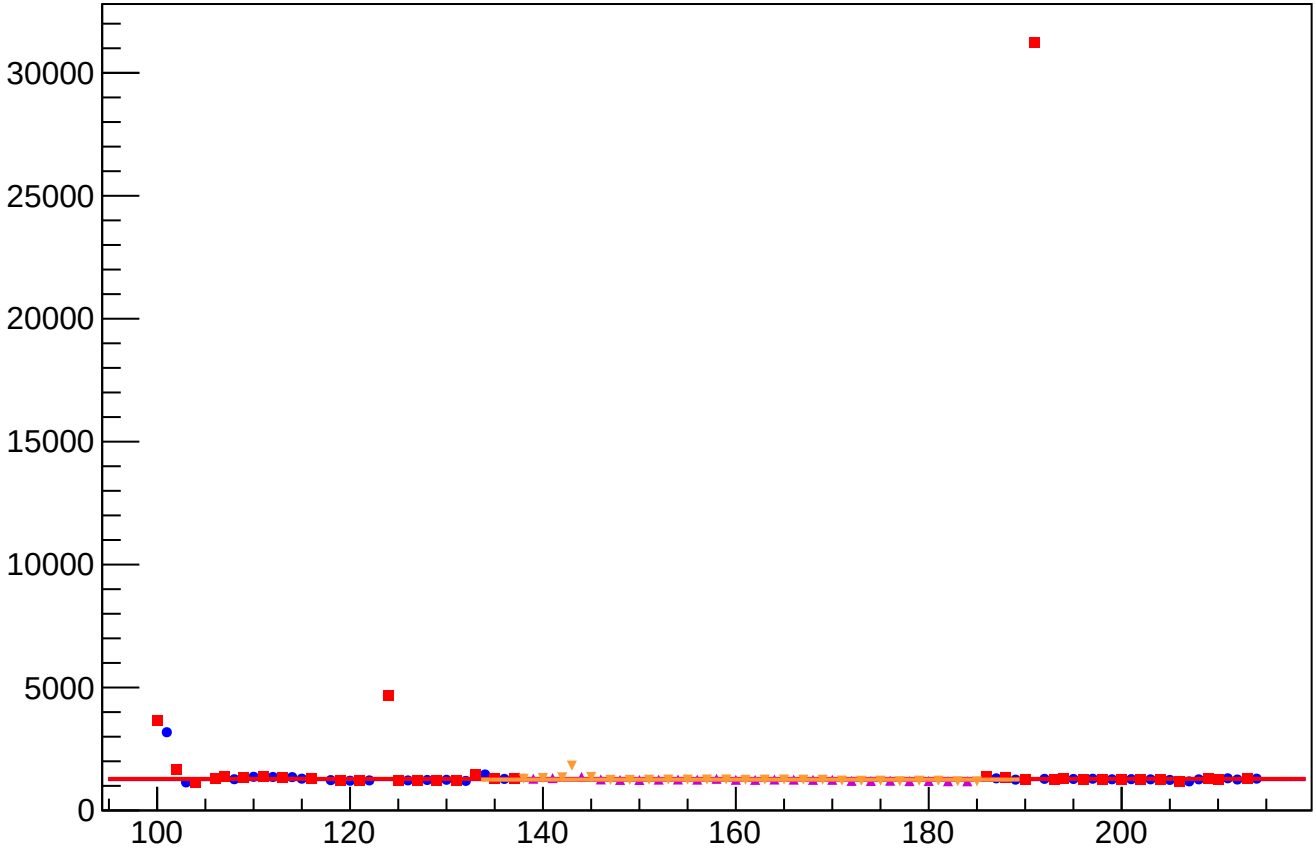
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -448.145+/-206.903 χ^2/NDF: 49.2/54

All: -165.629+/-146.945 χ^2/NDF: 115.2/111

- sign 121.901+/-208.731 χ^2/NDF: 62.2/56

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.476+/-0.212 χ^2/NDF: 534158.6/29

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

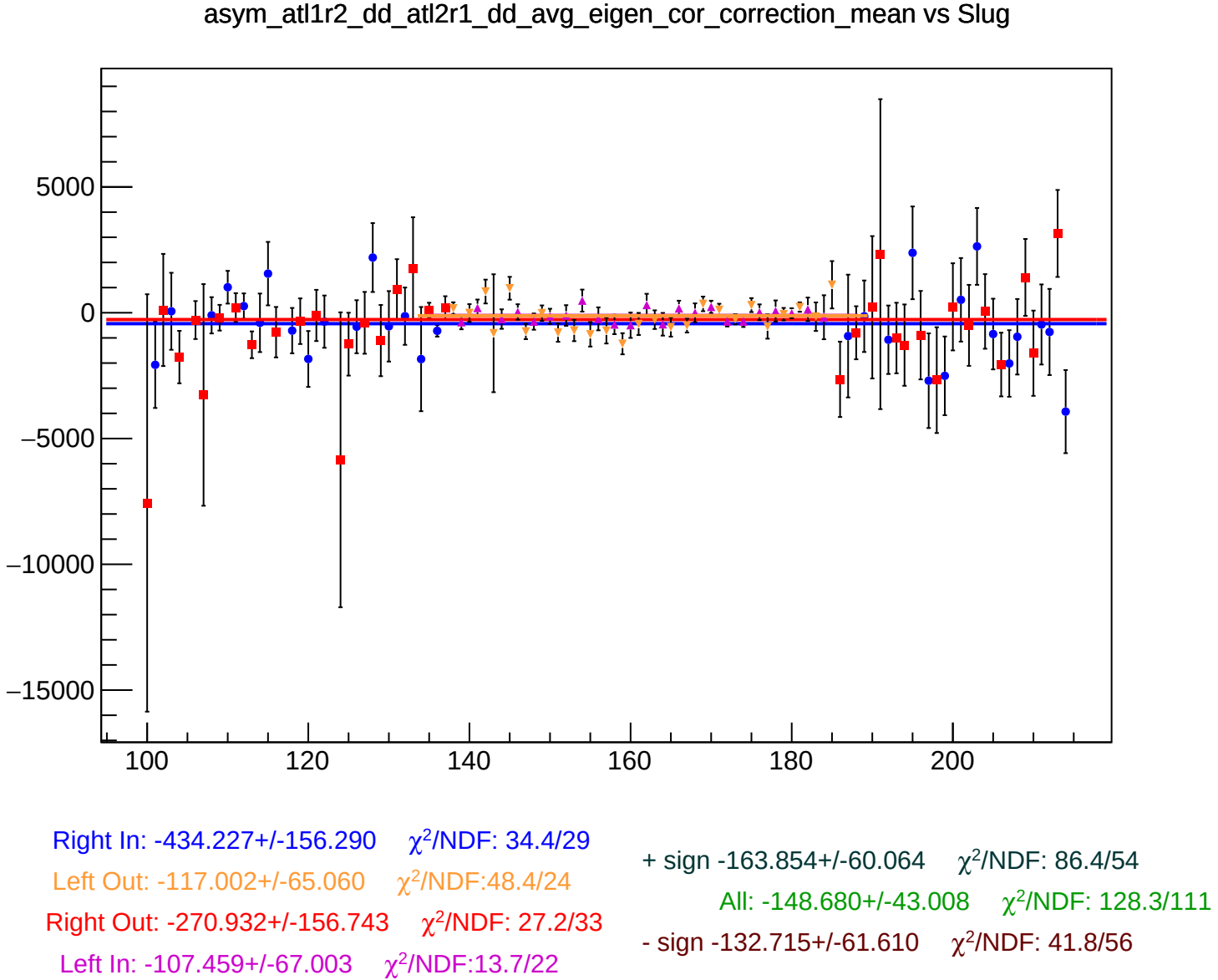
Right Out: 1284.386+/-0.212 χ^2/NDF: 507636.9/33

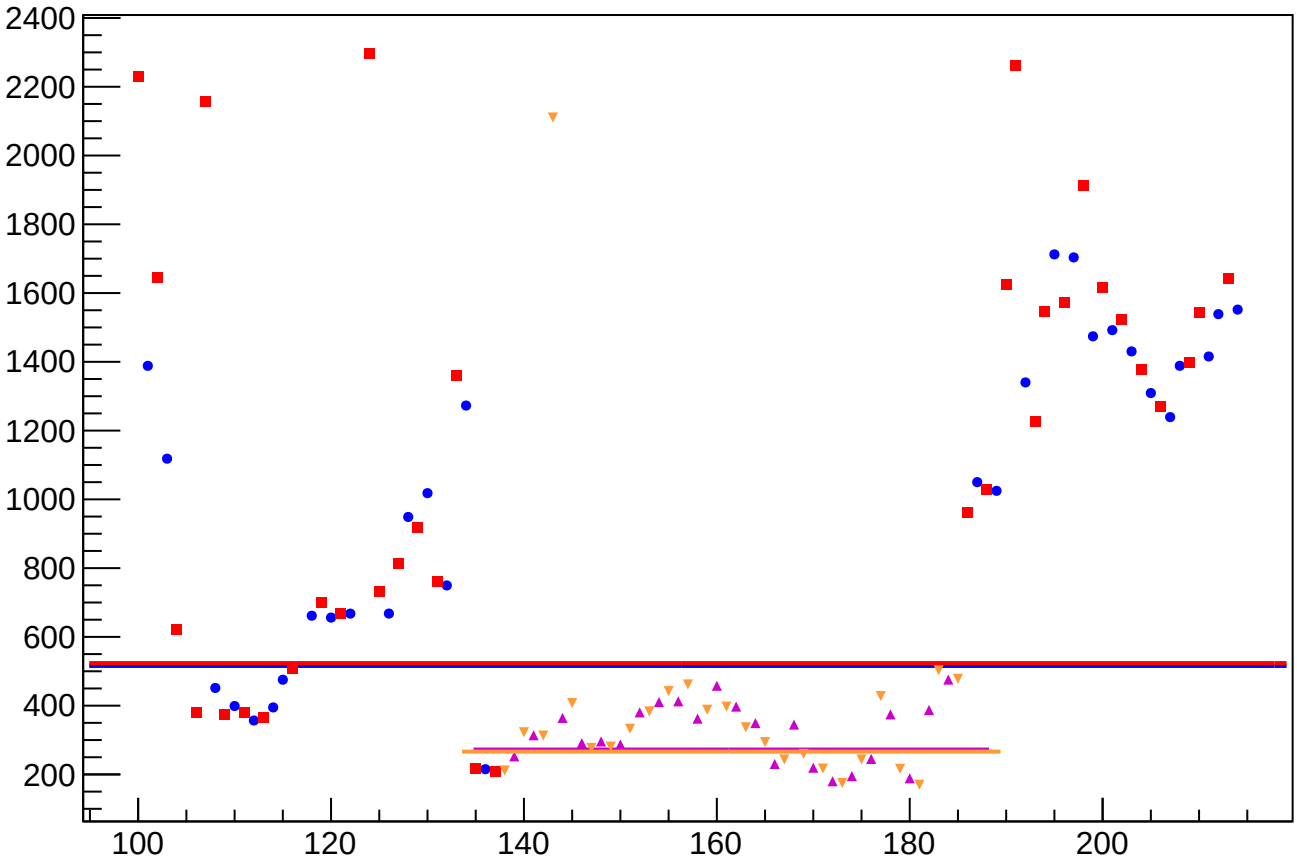
Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.072+/-0.146 χ^2/NDF: 741042.7/54

All: 1264.453+/-0.104 χ^2/NDF: 1305136.3/11

- sign 1264.841+/-0.148 χ^2/NDF: 564079.9/56


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -434.227+/-156.290 χ²/NDF: 34.4/29
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: -270.932+/-156.743 χ²/NDF: 27.2/33
Left In: -107.459+/-67.003 χ²/NDF:13.7/22
+ sign -163.854+/-60.064 χ²/NDF: 86.4/54
All: -148.680+/-43.008 χ²/NDF: 128.3/111
- sign -132.715+/-61.610 χ²/NDF: 41.8/56



Right In: 515.510+/-0.111 χ^2/NDF: 14490917.6/29

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

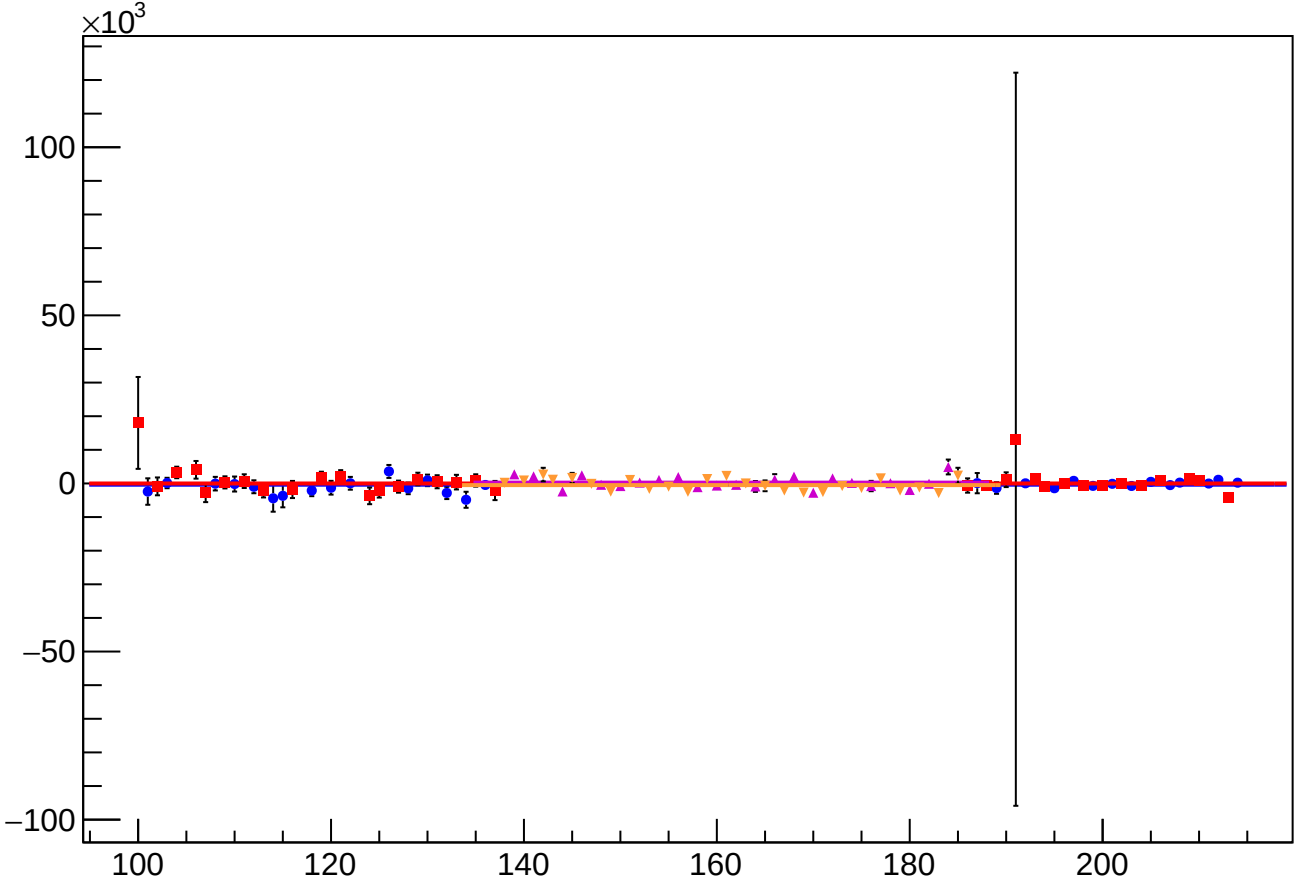
Right Out: 523.914+/-0.111 χ^2/NDF: 14579020.0/33

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 303.129+/-0.042 χ^2/NDF: 23454184.7/54

All: 307.081+/-0.030 χ^2/NDF: 45293360.9/11

- sign 311.239+/-0.044 χ^2/NDF: 21821408.2/56



Right In: -373.036+/-300.583 χ^2/NDF: 18.1/29

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF: 31.8/33

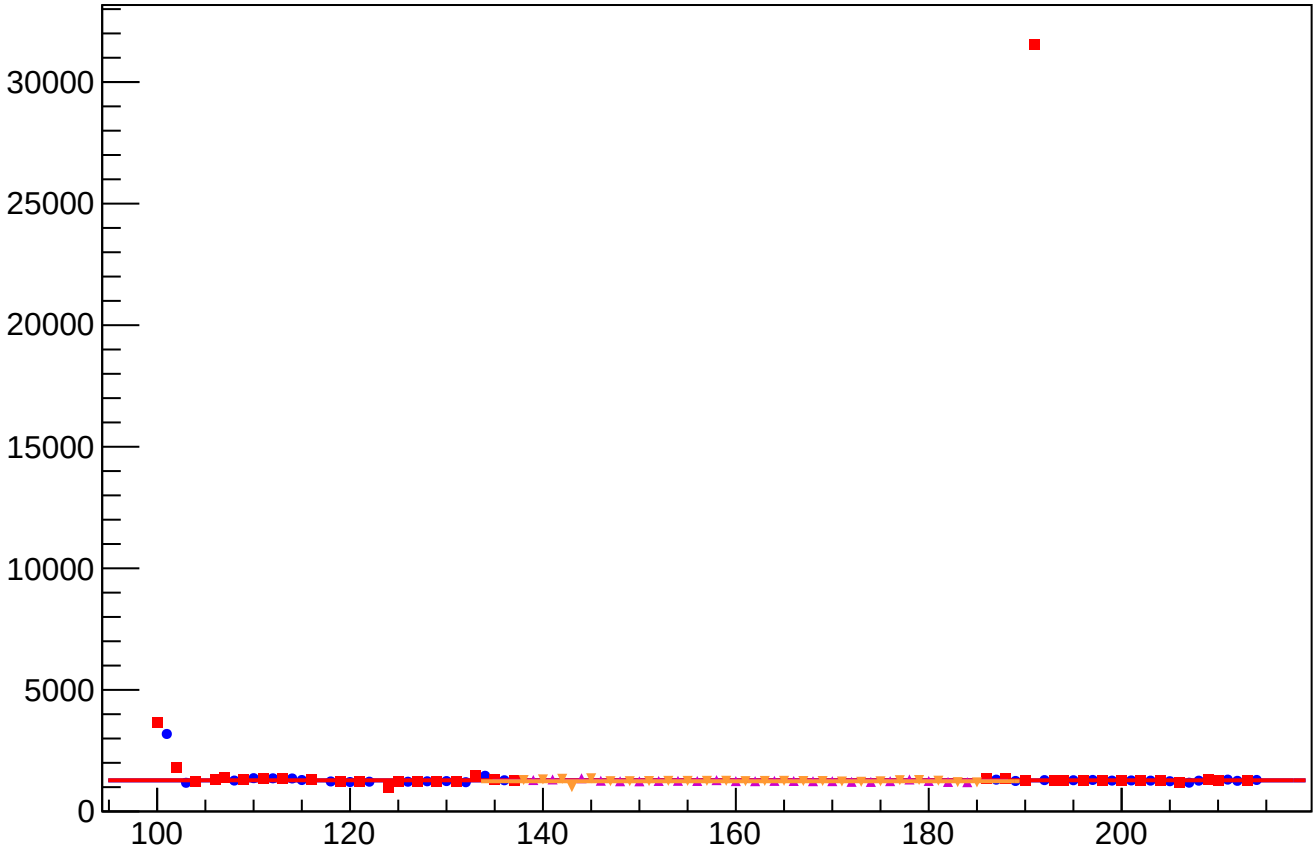
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -436.917+/-205.944 χ^2/NDF: 52.4/54

All: -165.053+/-146.938 χ^2/NDF: 118.8/111

- sign 116.841+/-209.709 χ^2/NDF: 62.9/56

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.081+/-0.213 χ^2/NDF: 526736.1/29

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

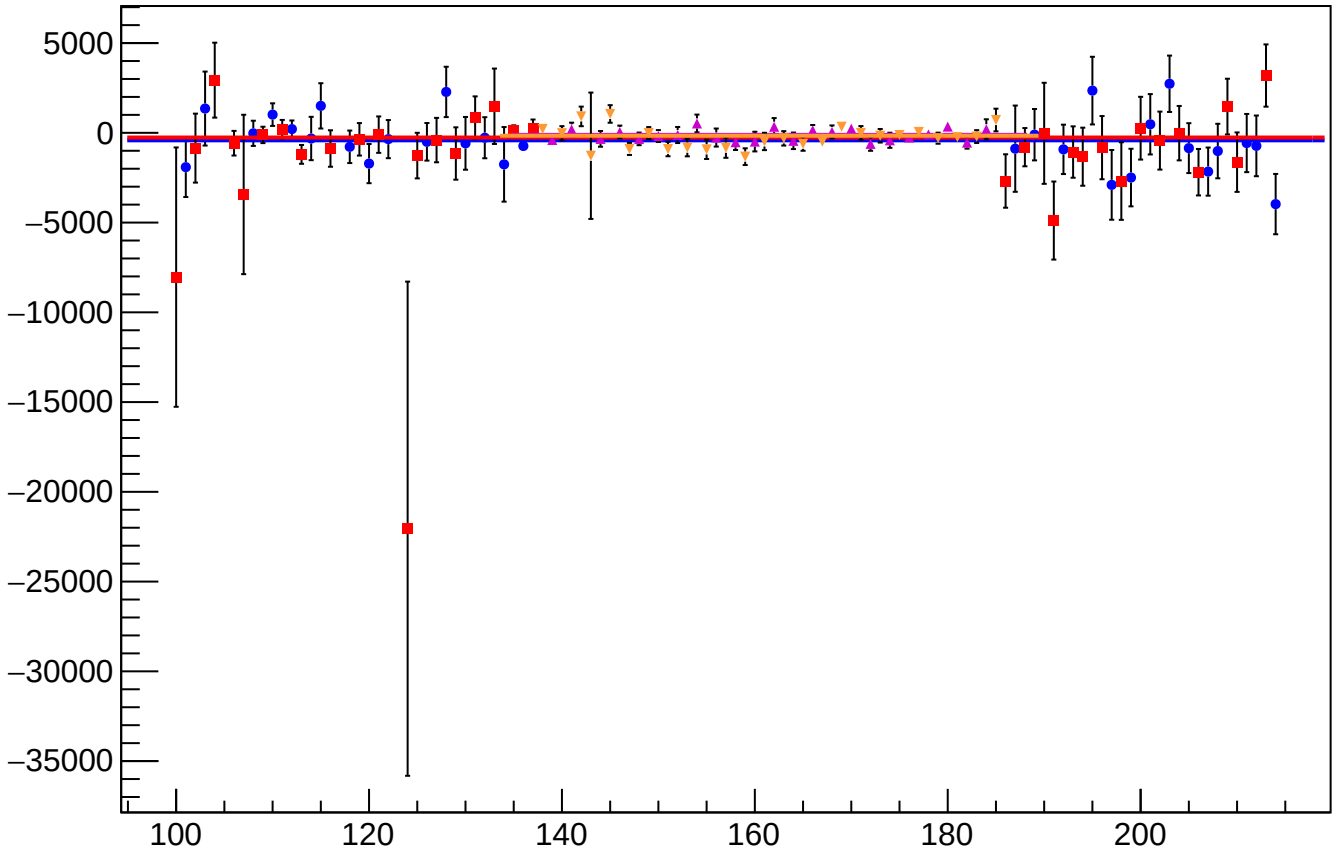
Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.2/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.754+/-0.146 χ^2/NDF: 670772.1/54

All: 1264.752+/-0.104 χ^2/NDF: 1095770.4/11

- sign 1270.971+/-0.148 χ^2/NDF: 421543.2/56



Right In: -417.692+/-157.935 χ^2/NDF: 35.0/29

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

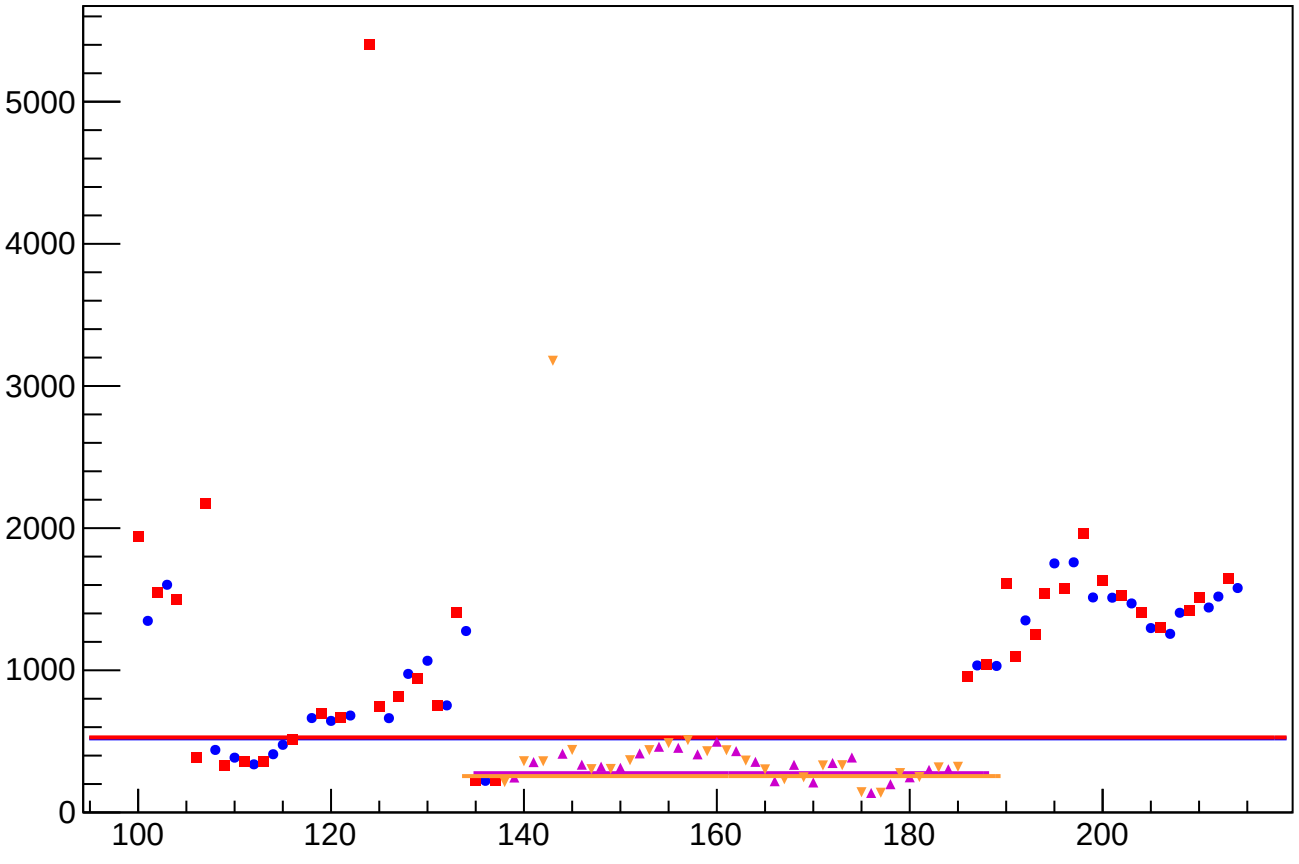
Right Out: -261.636+/-156.804 χ^2/NDF: 34.0/33

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -197.275+/-59.420 χ^2/NDF: 81.0/54

All: -169.208+/-43.238 χ^2/NDF: 134.5/111

- sign -137.624+/-63.033 χ^2/NDF: 52.9/56



Right In: 521.154+/-0.112 χ^2/NDF: 14633249.5/29

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

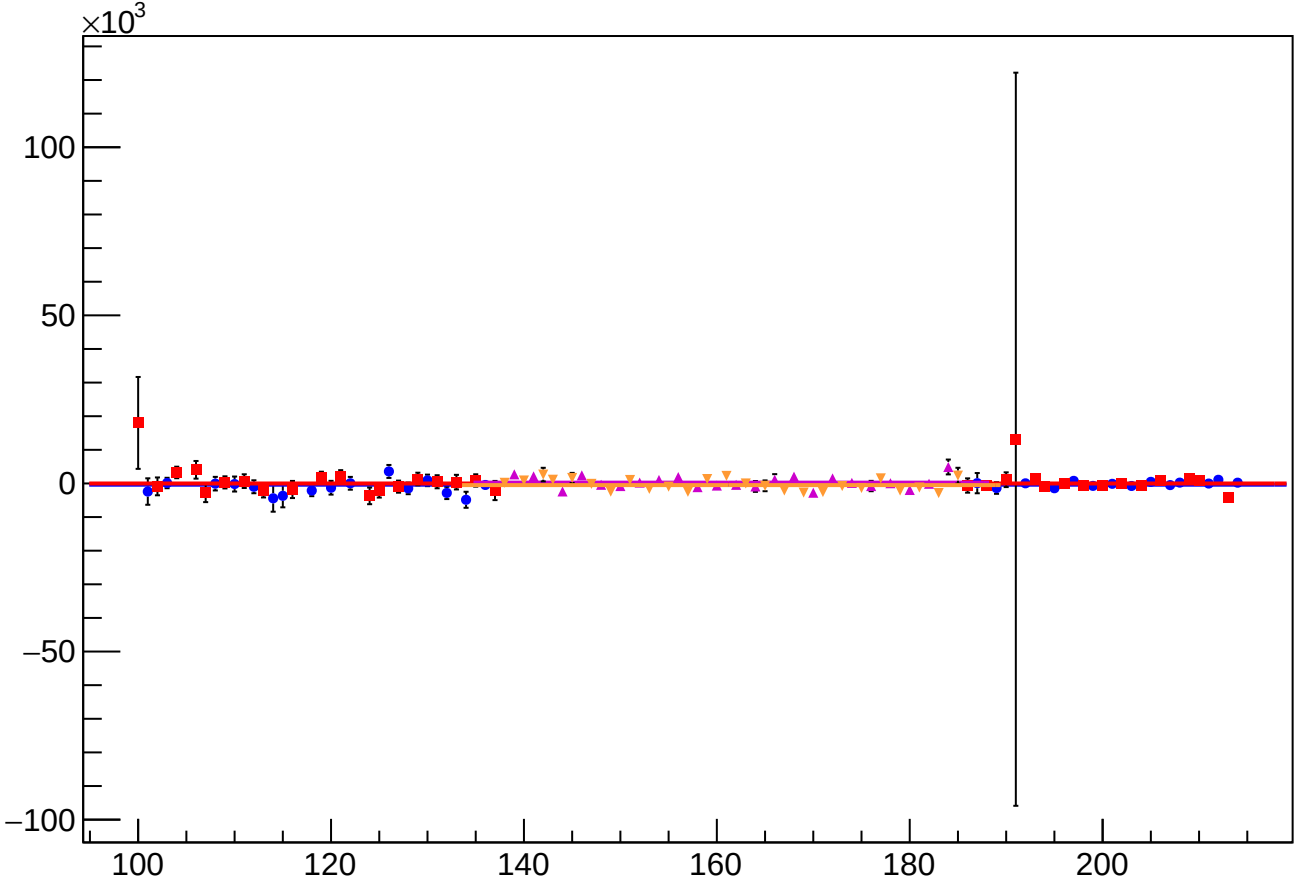
Right Out: 527.966+/-0.111 χ^2/NDF: 15088720.3/33

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 293.334+/-0.042 χ^2/NDF: 25854984.5/54

All: 304.454+/-0.031 χ^2/NDF: 49439367.2/11

- sign 316.967+/-0.045 χ^2/NDF: 23435531.7/56



Right In: -373.035+/-300.583 χ^2/NDF: 18.1/29

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -12.195+/-298.859 χ^2/NDF: 31.8/33

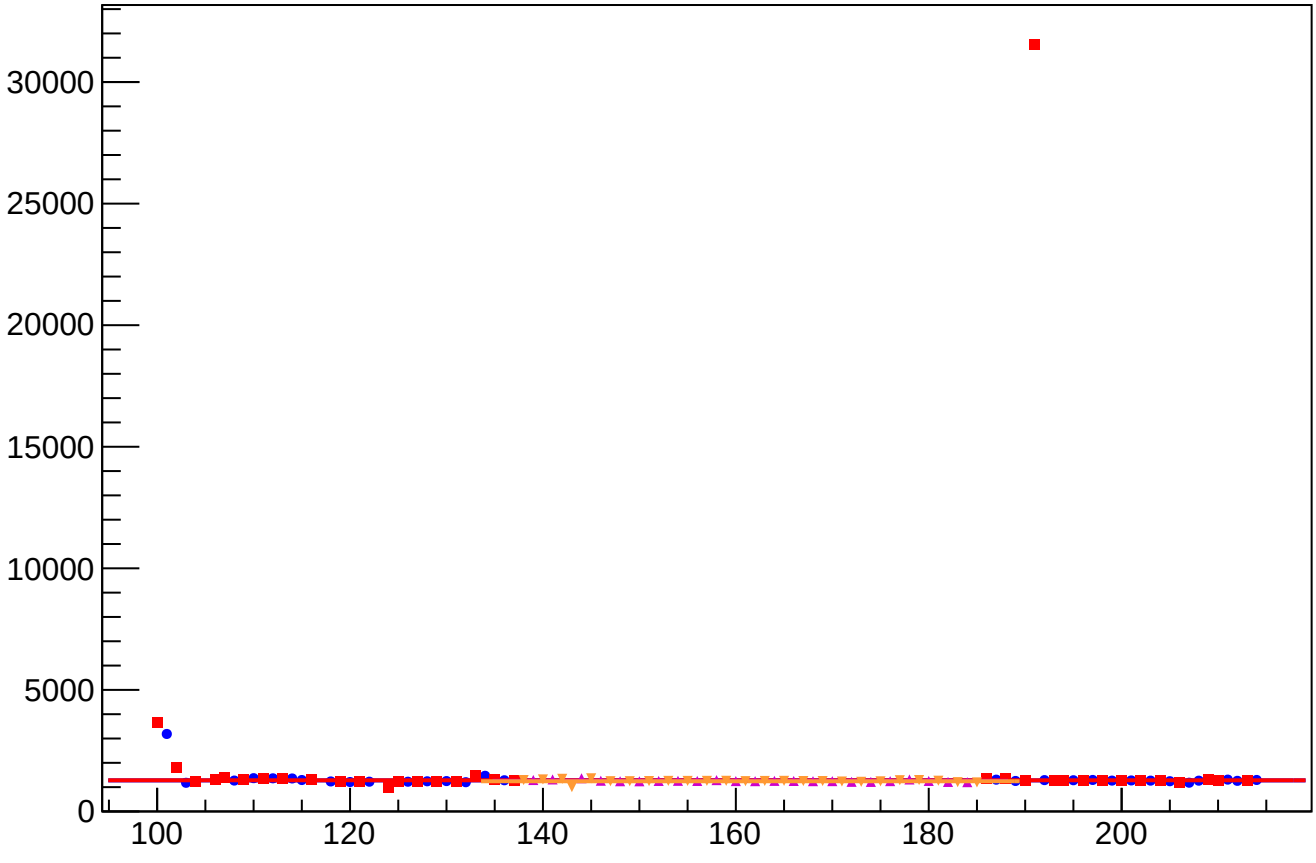
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -436.916+/-205.944 χ^2/NDF: 52.4/54

All: -165.052+/-146.938 χ^2/NDF: 118.8/111

- sign 116.841+/-209.709 χ^2/NDF: 62.9/56

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1277.081+/-0.213 χ^2/NDF: 526736.1/29

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

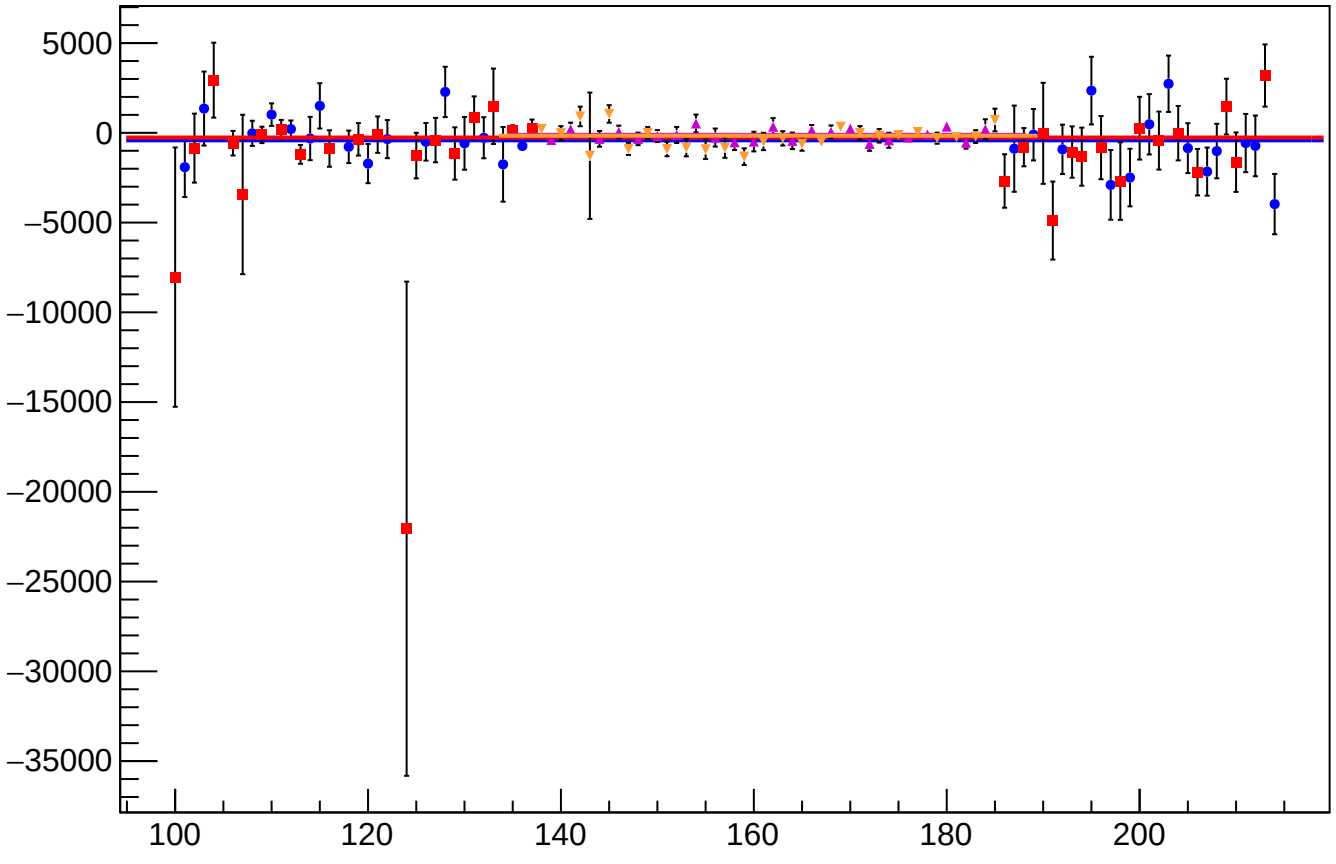
Right Out: 1282.184+/-0.211 χ^2/NDF: 388064.5/33

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.754+/-0.146 χ^2/NDF: 670771.2/54

All: 1264.752+/-0.104 χ^2/NDF: 1095769.9/11

- sign 1270.971+/-0.148 χ^2/NDF: 421543.6/56



Right In: -417.694+/-157.937 χ^2/NDF: 35.0/29

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

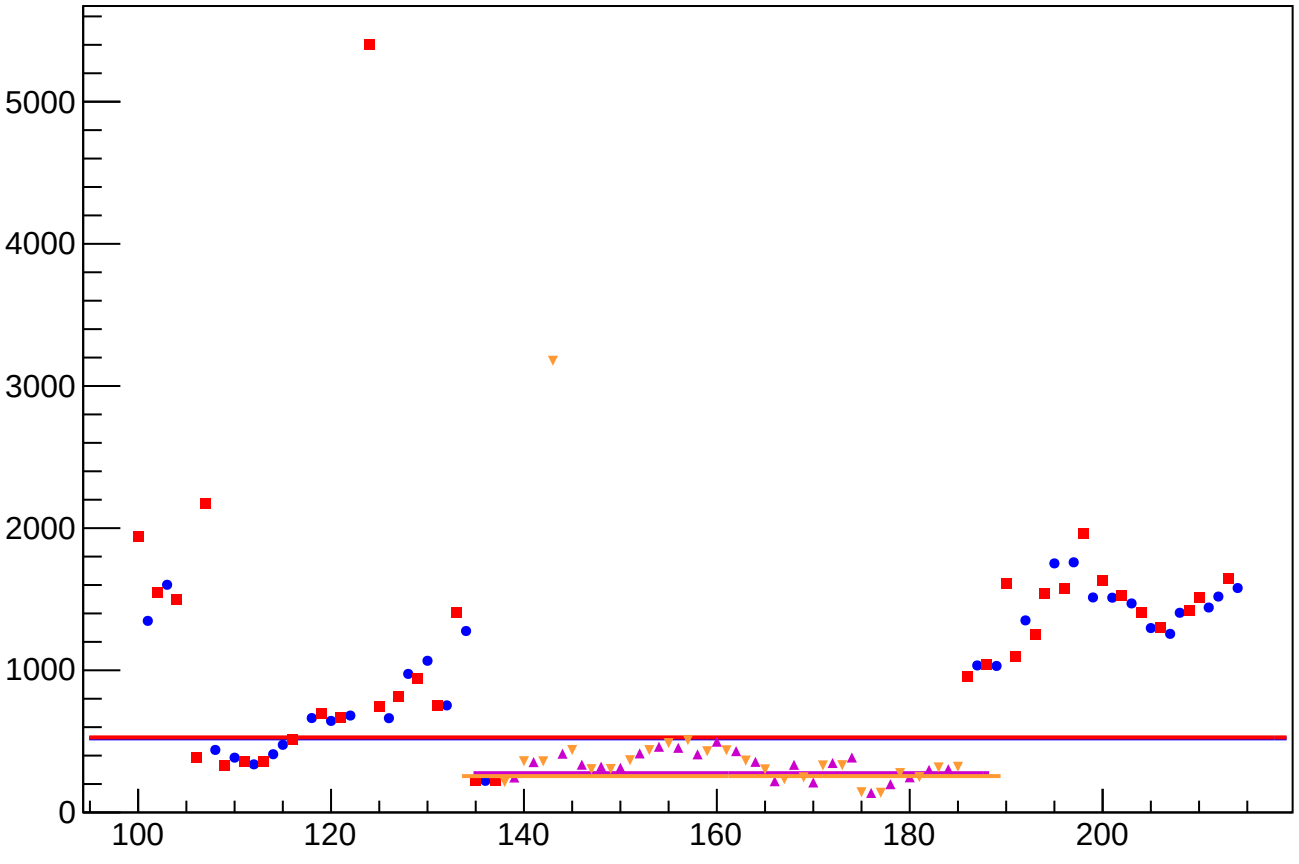
Right Out: -261.643+/-156.806 χ^2/NDF: 34.0/33

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

\+ sign -197.278+/-59.421 χ^2/NDF: 81.0/54

All: -169.209+/-43.238 χ^2/NDF: 134.5/111

\- sign -137.623+/-63.034 χ^2/NDF: 52.9/56



Right In: 521.167+/-0.112 χ^2/NDF: 14632825.3/29

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 527.976+/-0.111 χ^2/NDF: 15088395.3/33

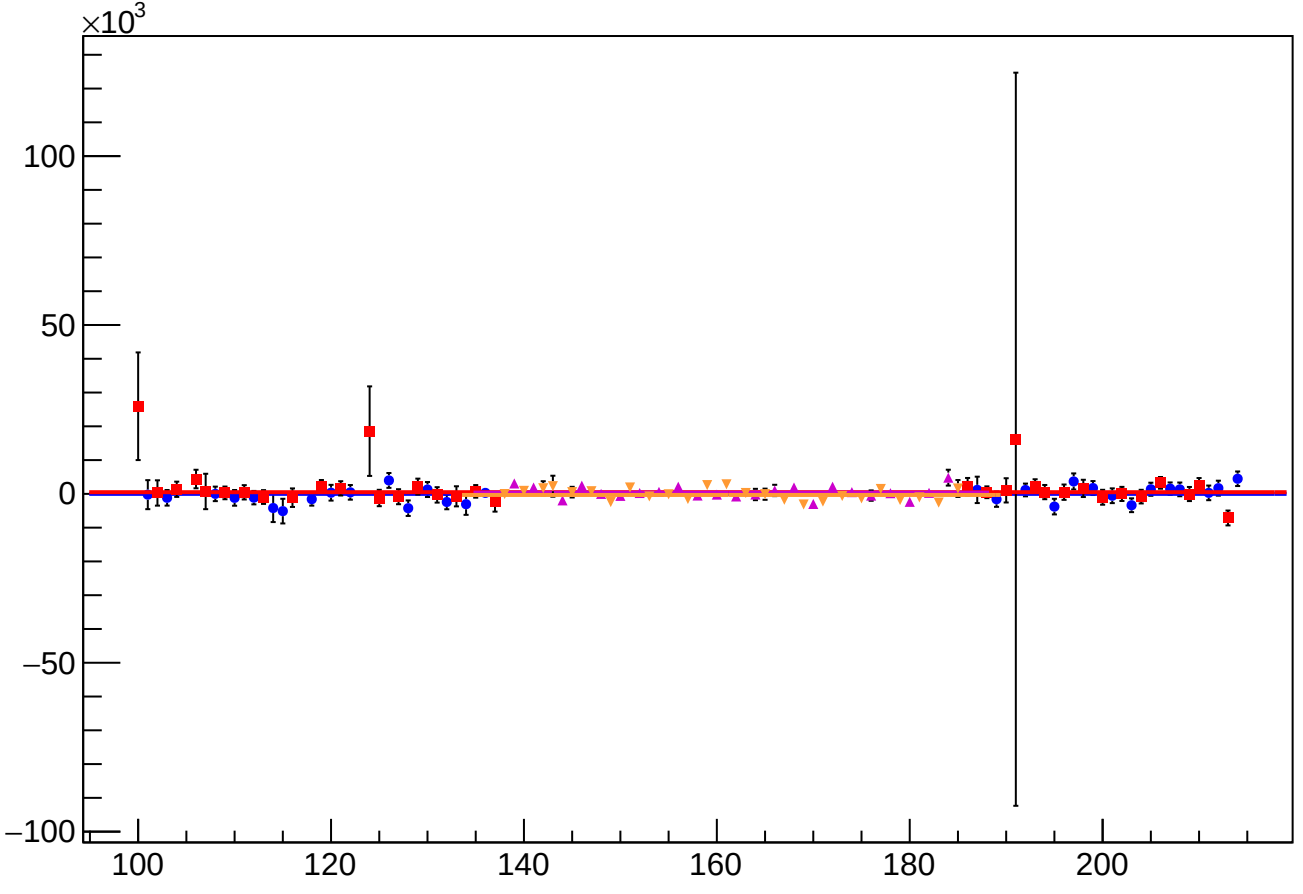
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 293.336+/-0.042 χ^2/NDF: 25854752.8/54

All: 304.456+/-0.031 χ^2/NDF: 49438999.0/11

- sign 316.968+/-0.045 χ^2/NDF: 23435407.8/56

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: 4.597+/-402.625 χ^2/NDF: 29.8/29

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 497.038+/-403.674 χ^2/NDF: 29.2/33

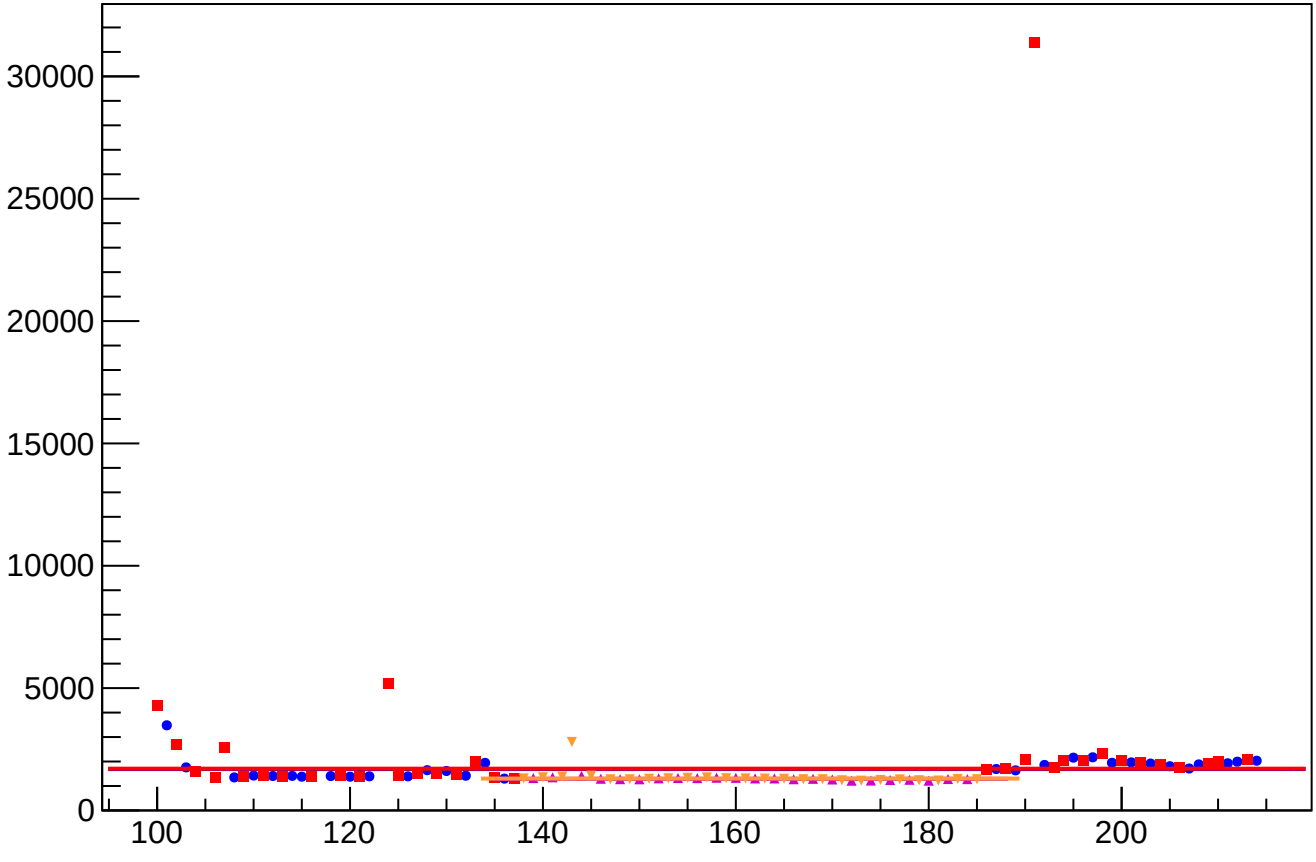
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

\+ sign -204.816+/-239.669 χ^2/NDF: 61.8/54

All: 98.346+/-170.208 χ^2/NDF: 123.9/111

\- sign 406.839+/-241.767 χ^2/NDF: 58.9/56

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1691.774+/-0.285 χ^2/NDF: 1252739.4/29

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

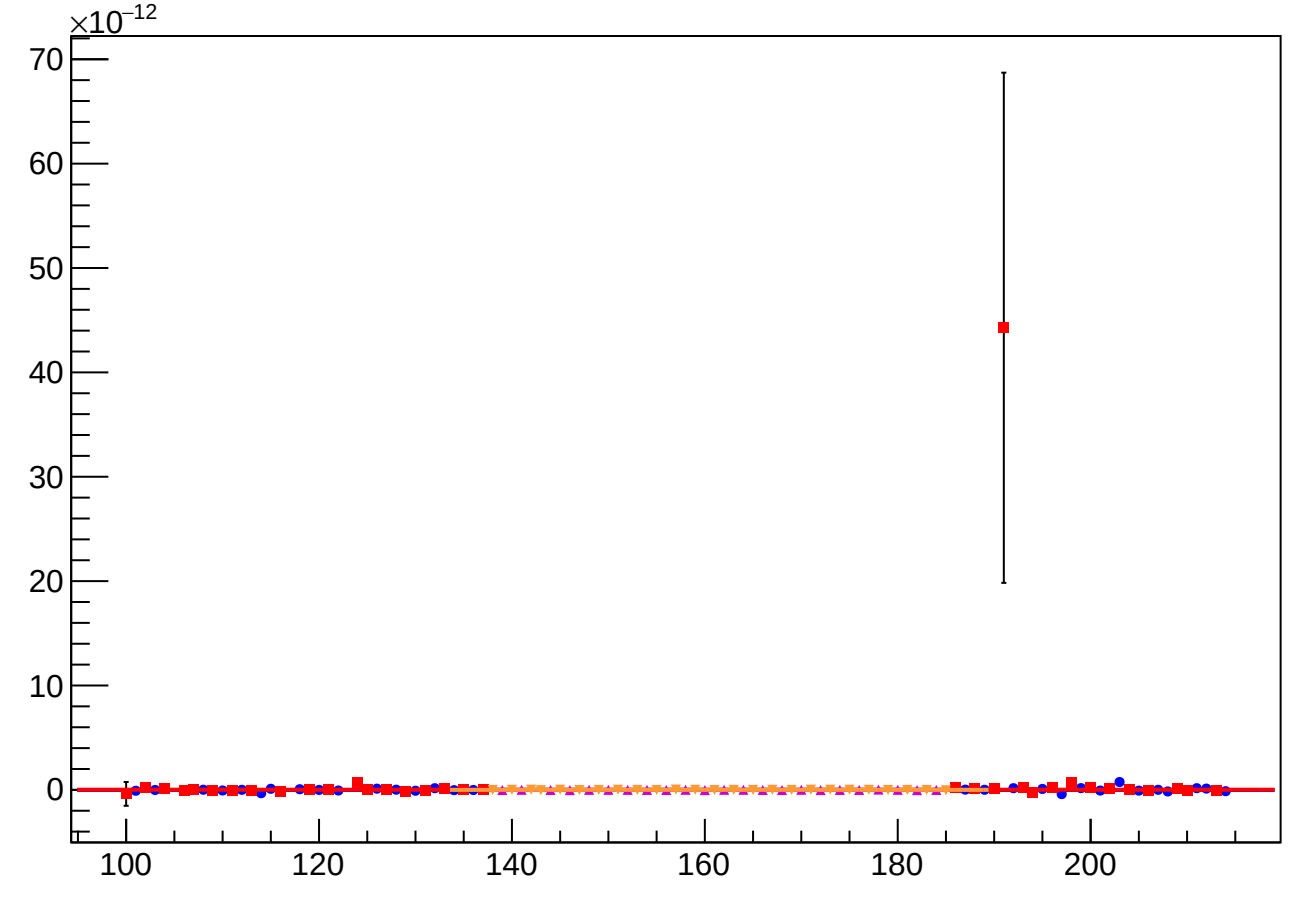
Right Out: 1706.944+/-0.285 χ^2/NDF: 1505353.2/33

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1441.506+/-0.169 χ^2/NDF: 2969195.9/54

All: 1441.215+/-0.120 χ^2/NDF: 5877315.3/11

- sign 1440.920+/-0.171 χ^2/NDF: 2908113.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

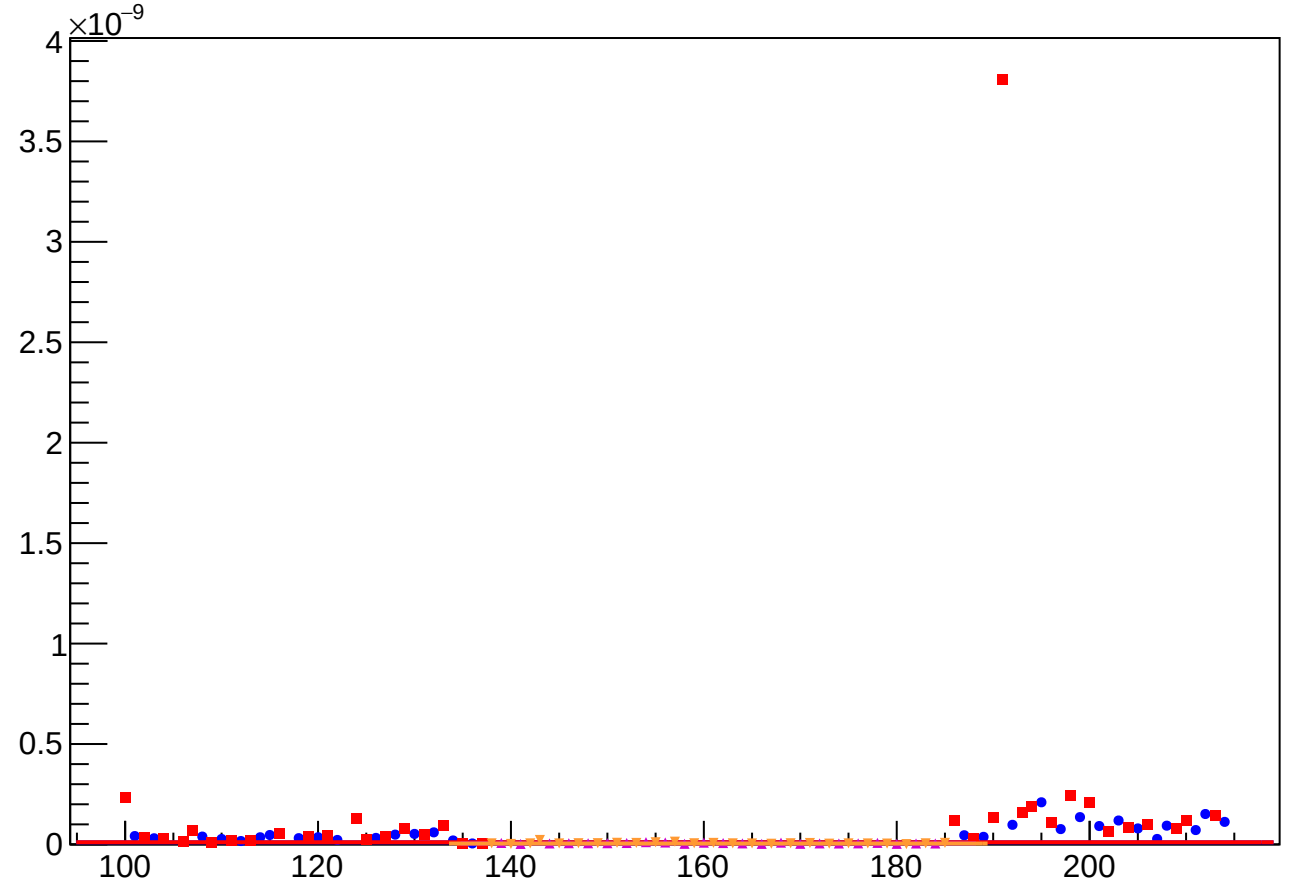
Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/33

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.7/54

All: 0.000+/-0.000 χ^2/NDF: 129.7/111

- sign 0.000+/-0.000 χ^2/NDF: 70.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 9388959.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

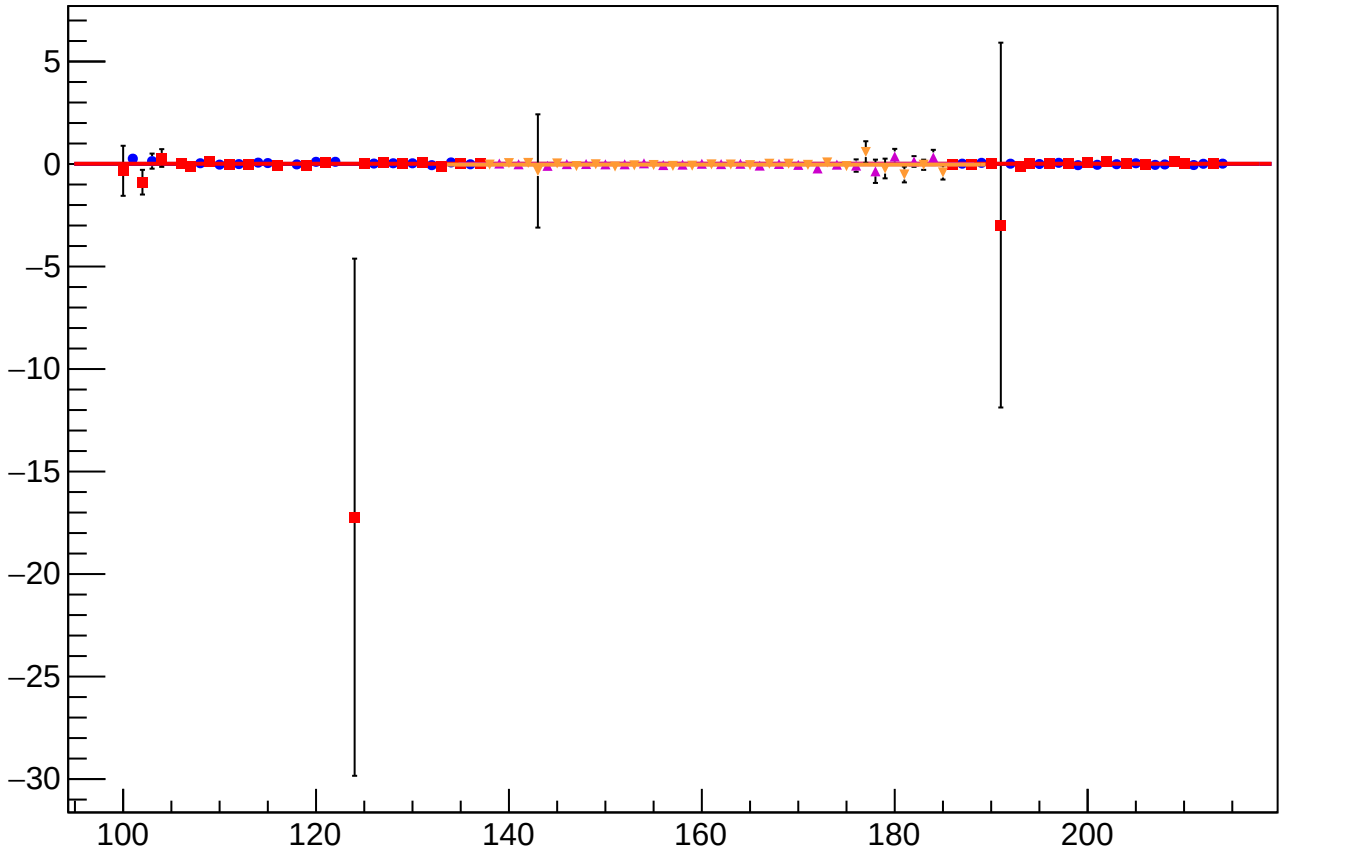
Right Out: 0.000+/-0.000 χ^2/NDF: 11325002.2/33

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13343597.6/54

All: 0.000+/-0.000 χ^2/NDF: 27744345.7/111

- sign 0.000+/-0.000 χ^2/NDF: 14376715.8/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

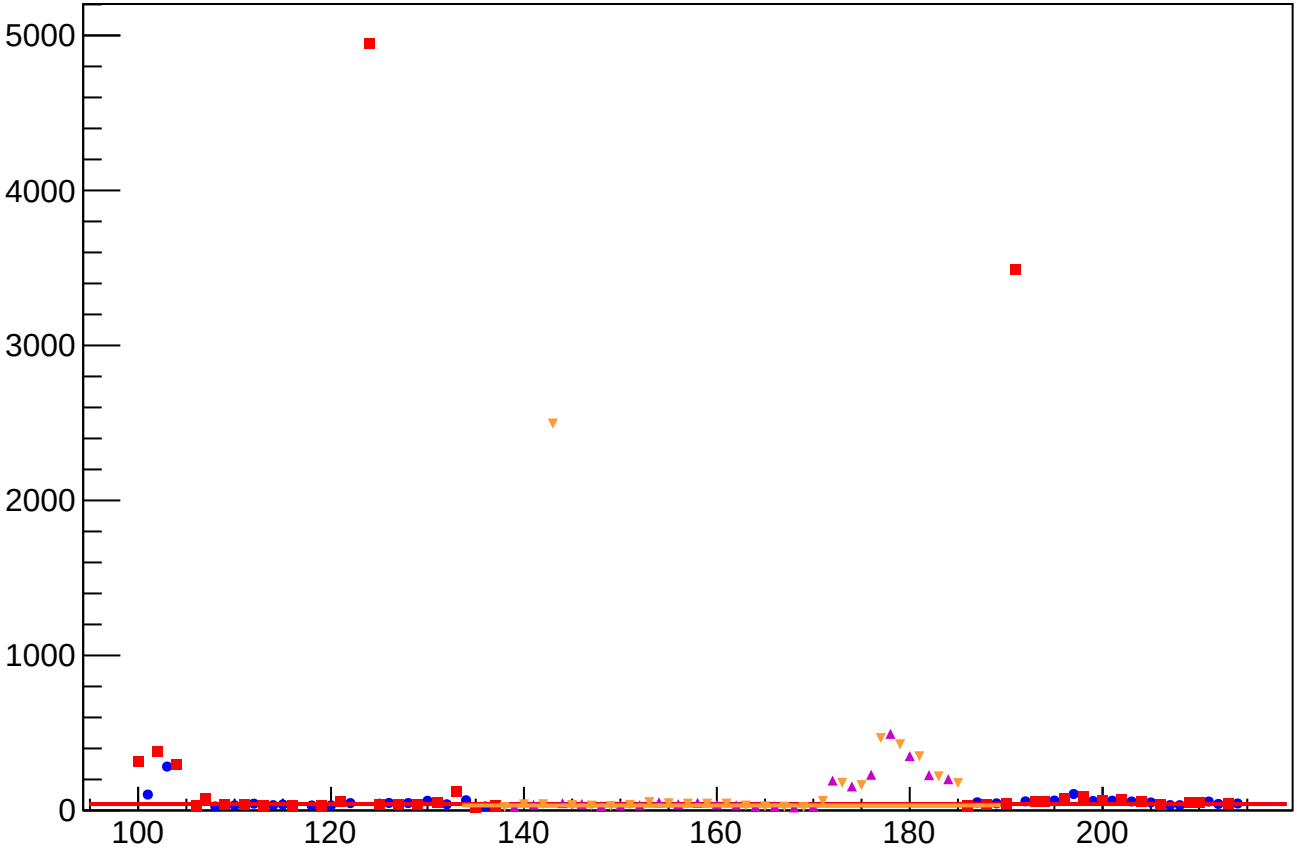
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.5/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.730+/-0.008 χ^2/NDF: 4259393.0/29

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

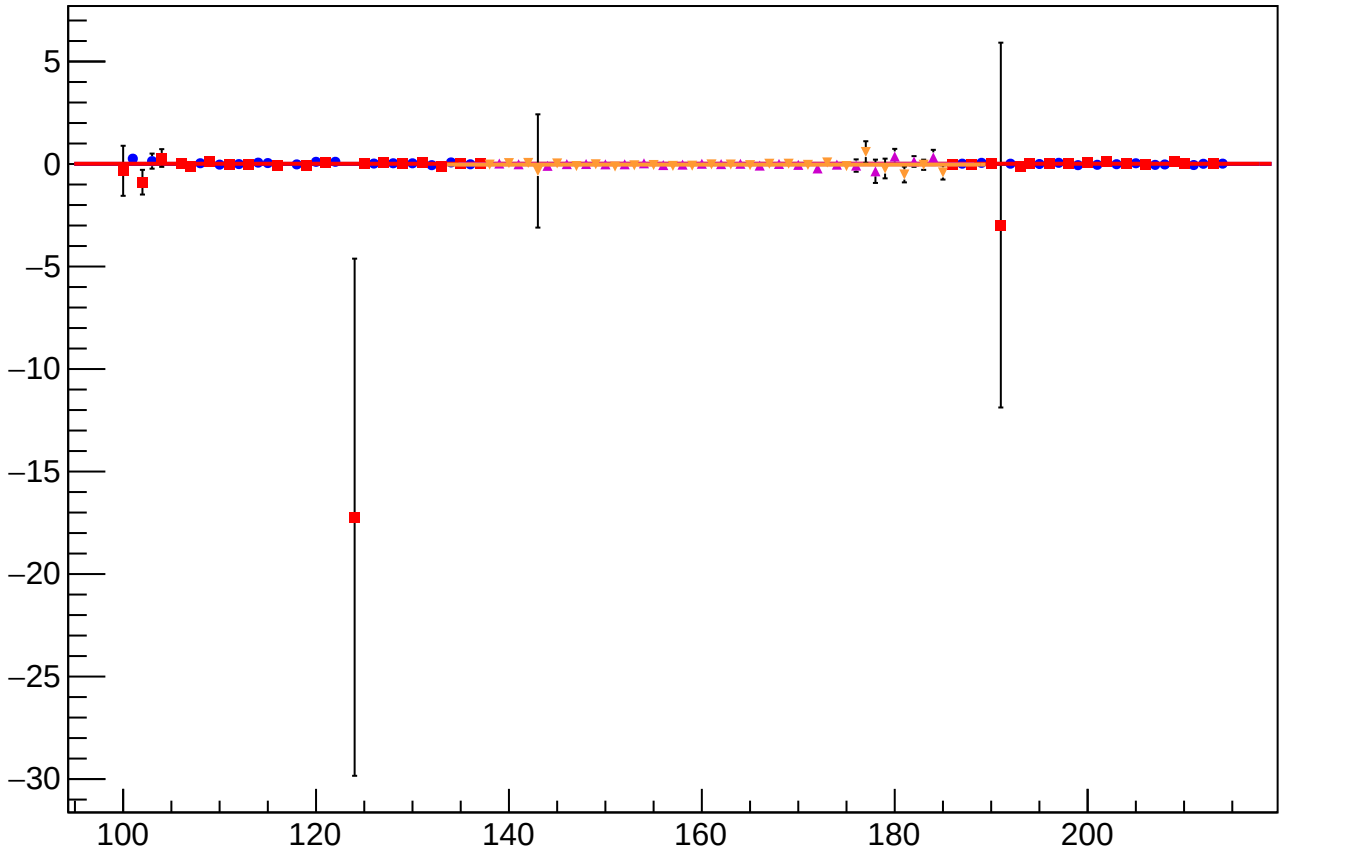
Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920288.8/54

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/11

- sign 36.380+/-0.005 χ^2/NDF: 15176196.0/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

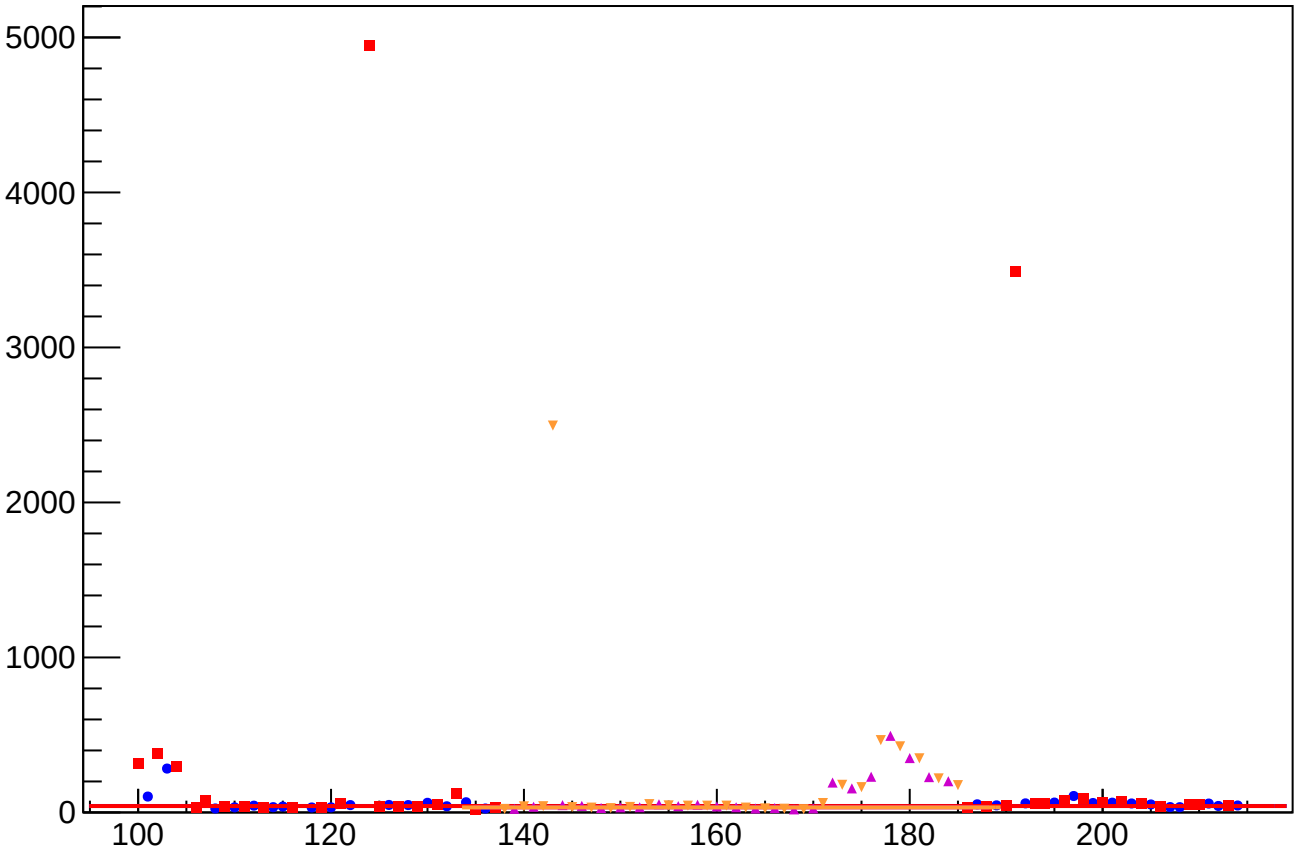
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.5/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.730+/-0.008 χ^2/NDF: 4259393.0/29

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

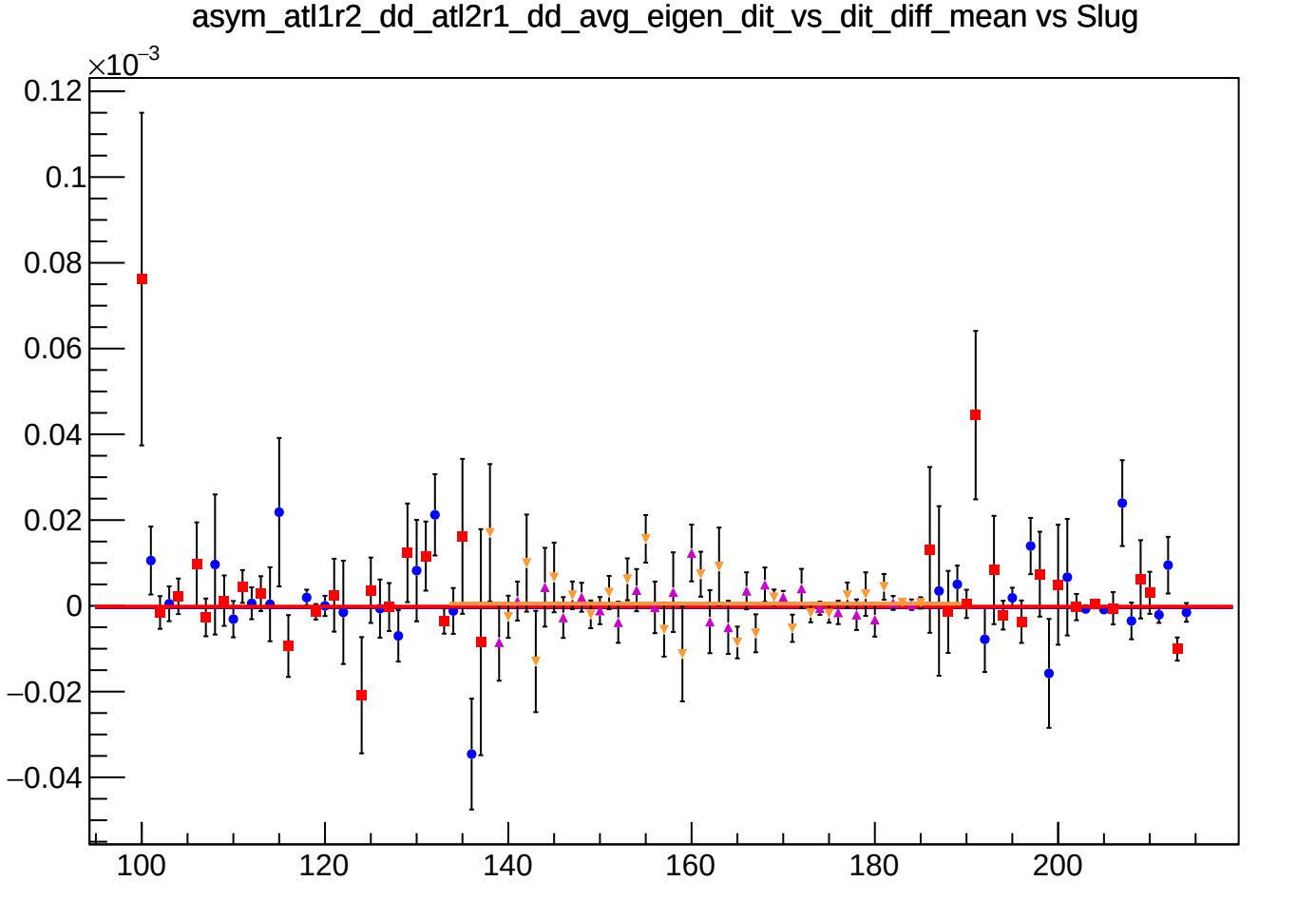
Right Out: 41.281+/-0.008 χ^2/NDF: 5523442.3/33

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920288.8/54

All: 36.412+/-0.004 χ^2/NDF: 31096562.2/11

- sign 36.380+/-0.005 χ^2/NDF: 15176196.0/56



Right In: -0.000+/-0.000 χ^2/NDF: 40.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

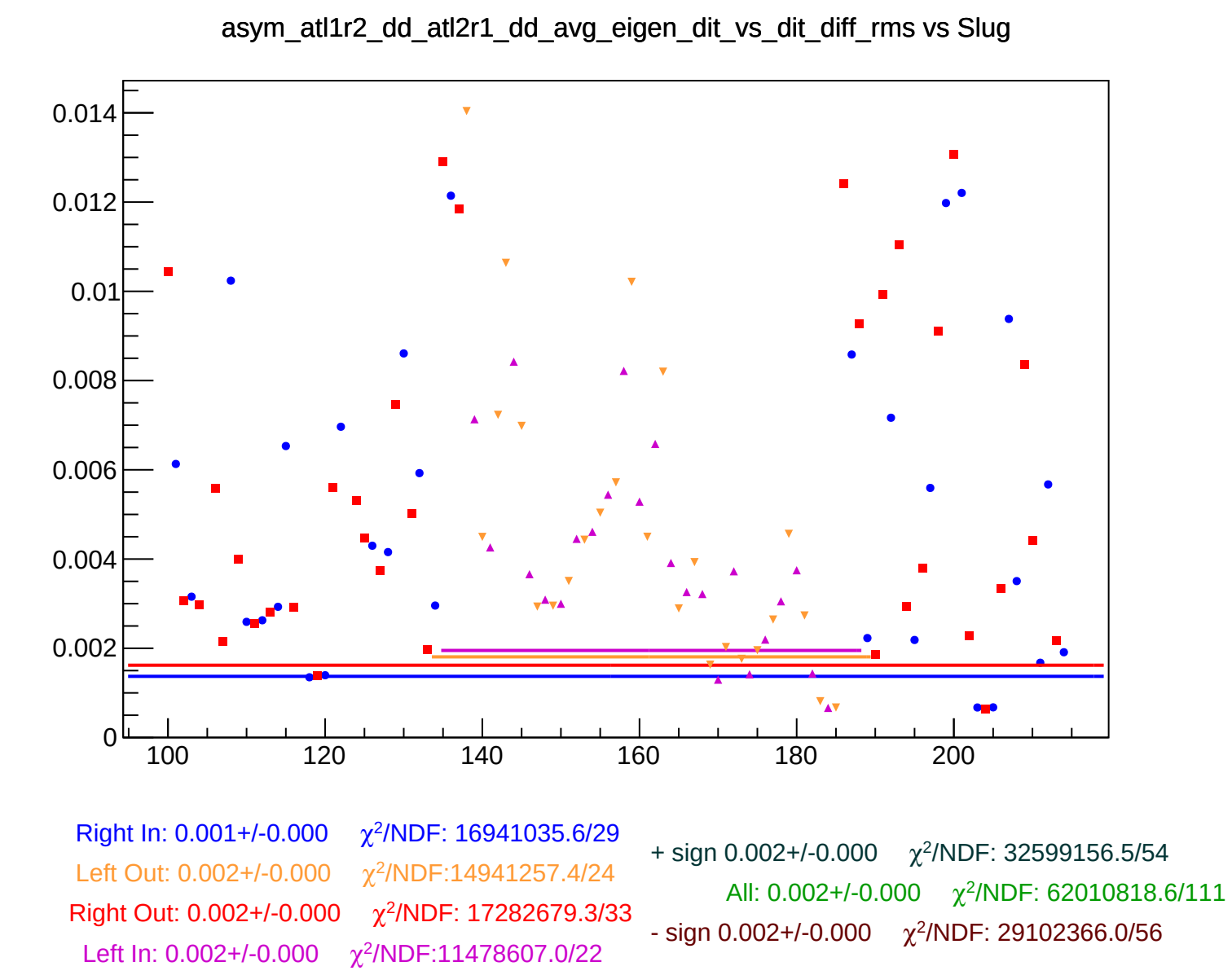
Right Out: -0.000+/-0.000 χ^2/NDF: 40.9/33

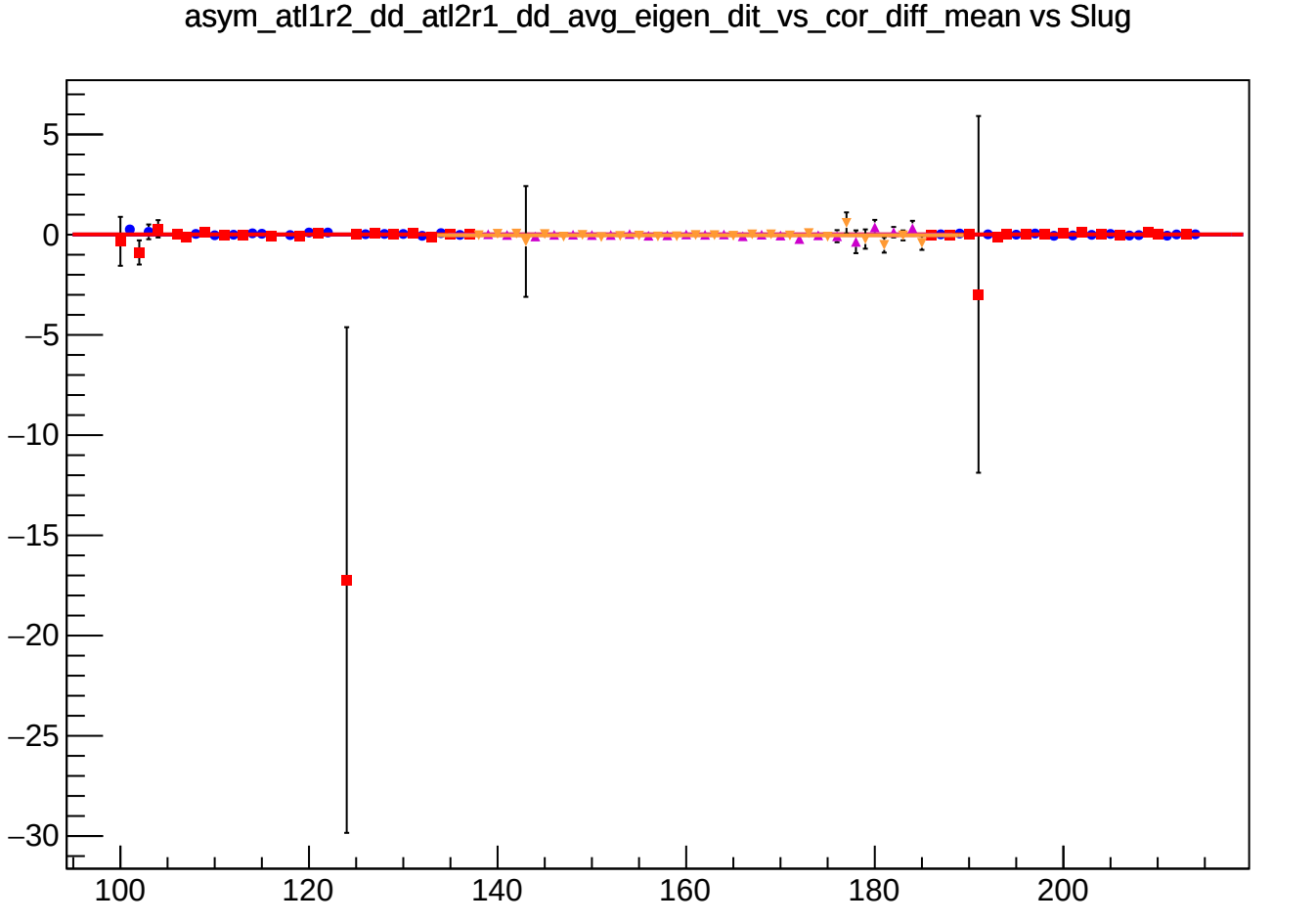
Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.2/54

All: 0.000+/-0.000 χ^2/NDF: 132.4/111

- sign 0.000+/-0.000 χ^2/NDF: 55.2/56


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 16941035.6/29
Left Out: 0.002+/-0.000 χ²/NDF:14941257.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 17282679.3/33
Left In: 0.002+/-0.000 χ²/NDF:11478607.0/22
+ sign 0.002+/-0.000 χ²/NDF: 32599156.5/54
All: 0.002+/-0.000 χ²/NDF: 62010818.6/111
- sign 0.002+/-0.000 χ²/NDF: 29102366.0/56



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

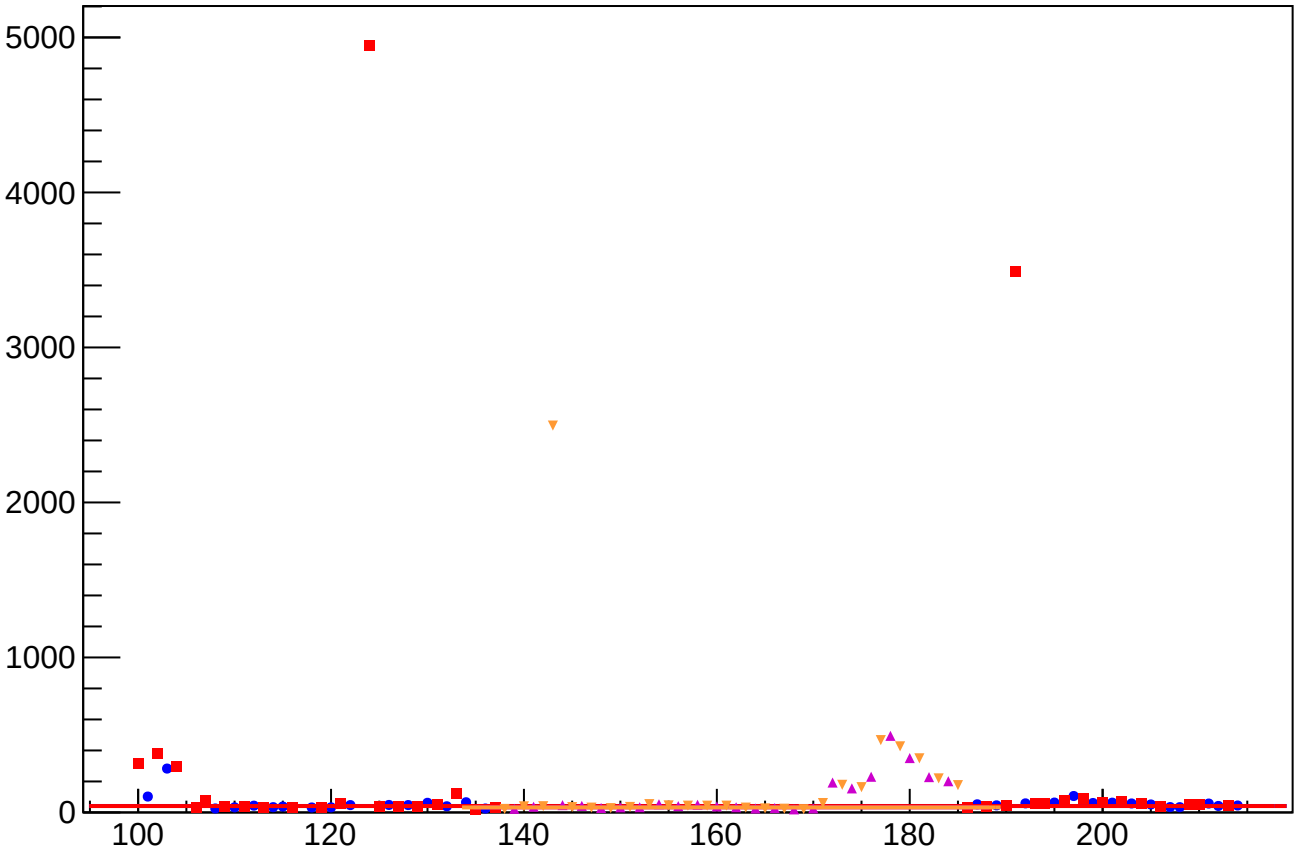
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.6/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.731+/-0.008 χ^2/NDF: 4259041.7/29

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

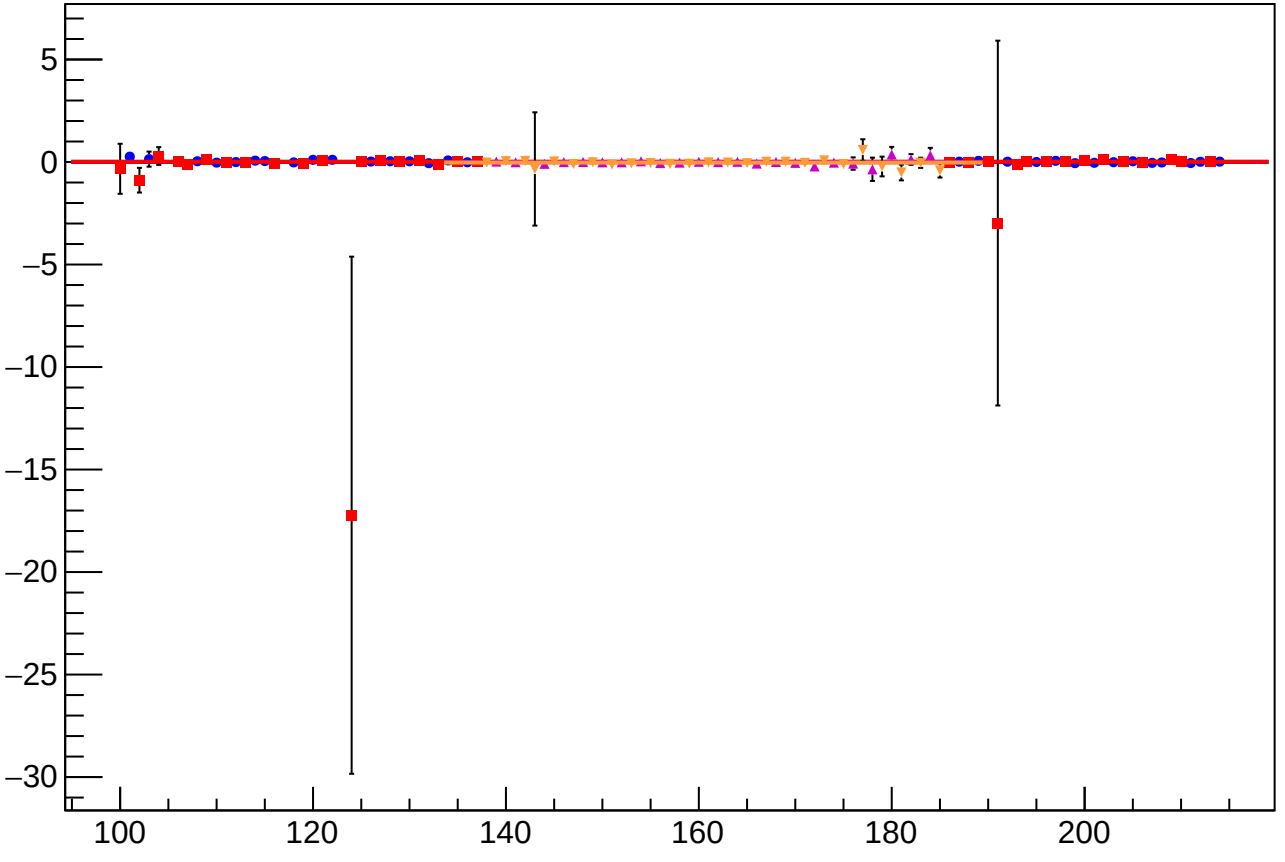
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920259.2/54

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/11

- sign 36.379+/-0.005 χ^2/NDF: 15176858.1/56

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.011 χ^2/NDF: 17.0/29

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

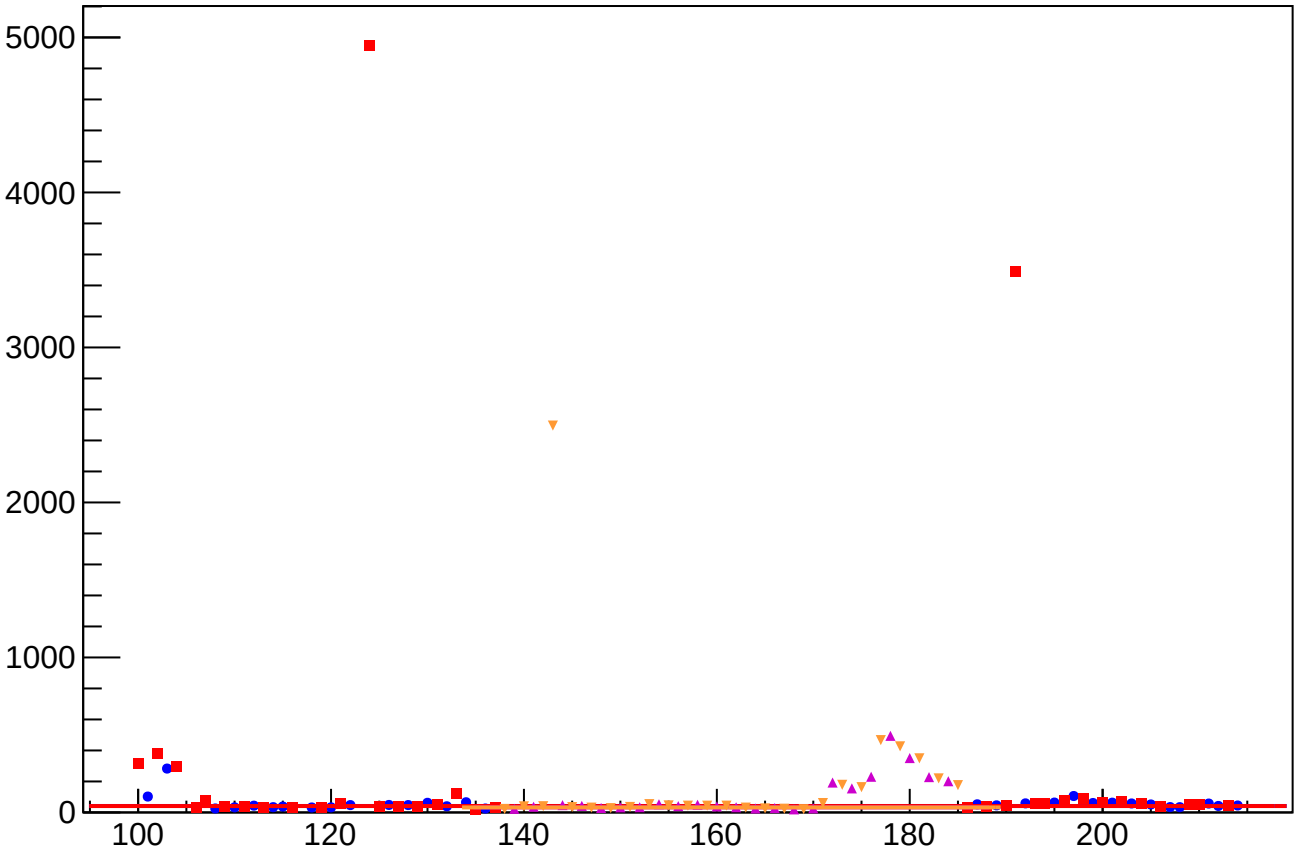
Right Out: 0.013+/-0.011 χ^2/NDF: 26.8/33

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.007 χ^2/NDF: 50.1/54

All: -0.007+/-0.005 χ^2/NDF: 94.6/111

- sign -0.001+/-0.007 χ^2/NDF: 42.7/56



Right In: 41.731+/-0.008 χ^2/NDF: 4259041.7/29

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

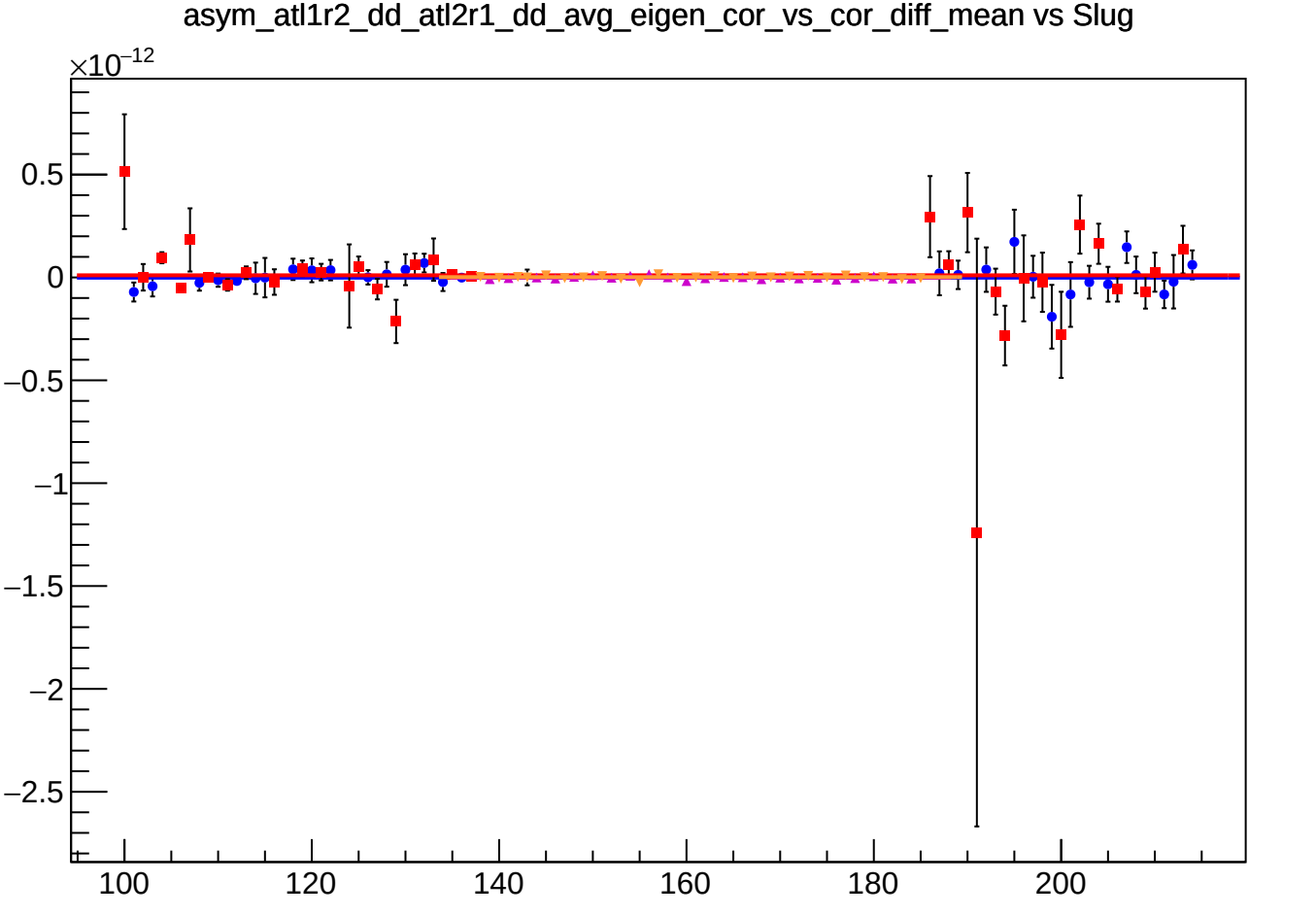
Right Out: 41.281+/-0.008 χ^2/NDF: 5523237.2/33

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.443+/-0.005 χ^2/NDF: 15920259.2/54

All: 36.411+/-0.004 χ^2/NDF: 31097196.6/11

- sign 36.379+/-0.005 χ^2/NDF: 15176858.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

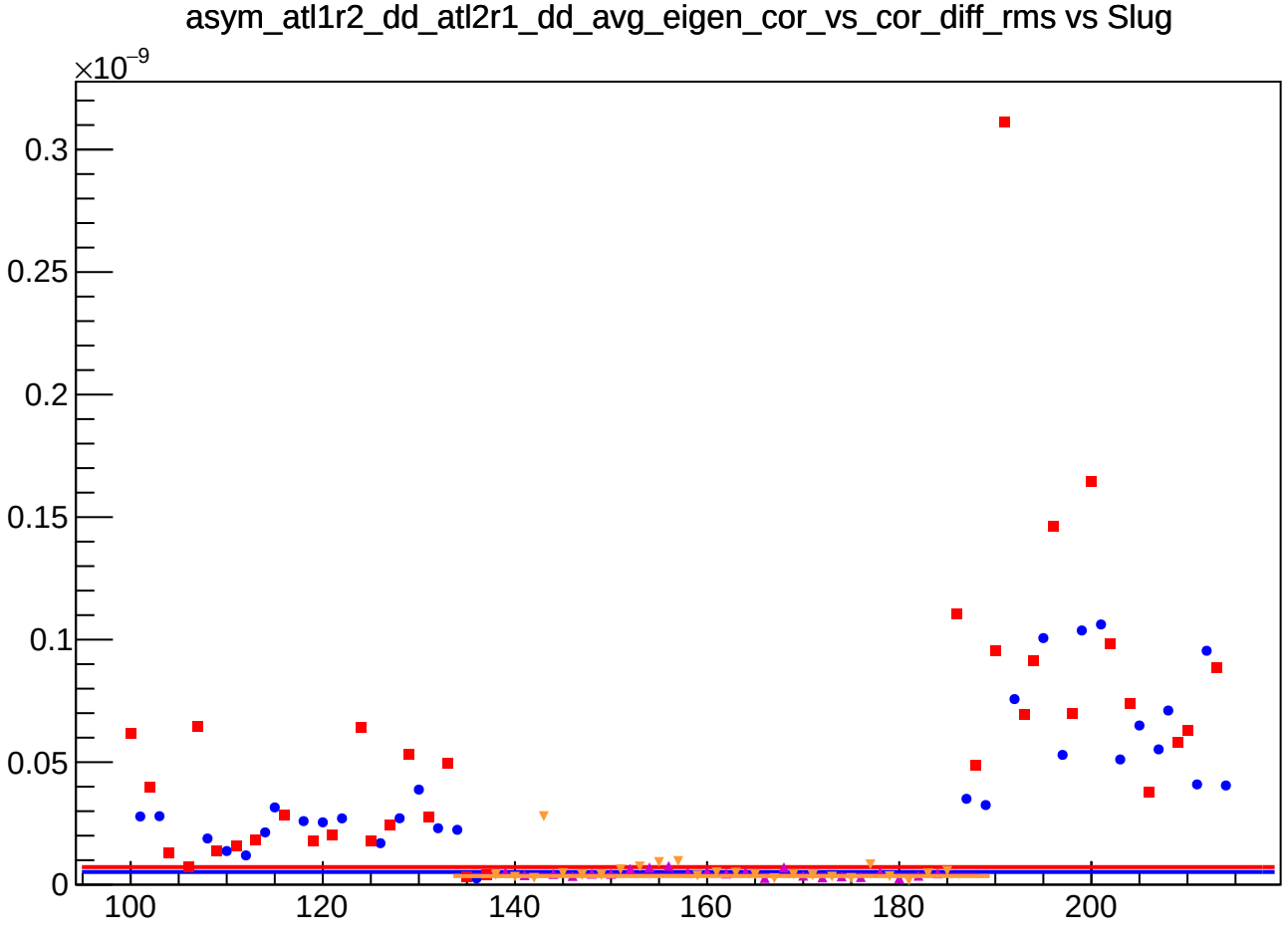
Right Out: 0.000+/-0.000 χ^2/NDF: 61.5/33

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.7/54

All: 0.000+/-0.000 χ^2/NDF: 135.4/111

- sign -0.000+/-0.000 χ^2/NDF: 97.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 15030281.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15413887.2/33

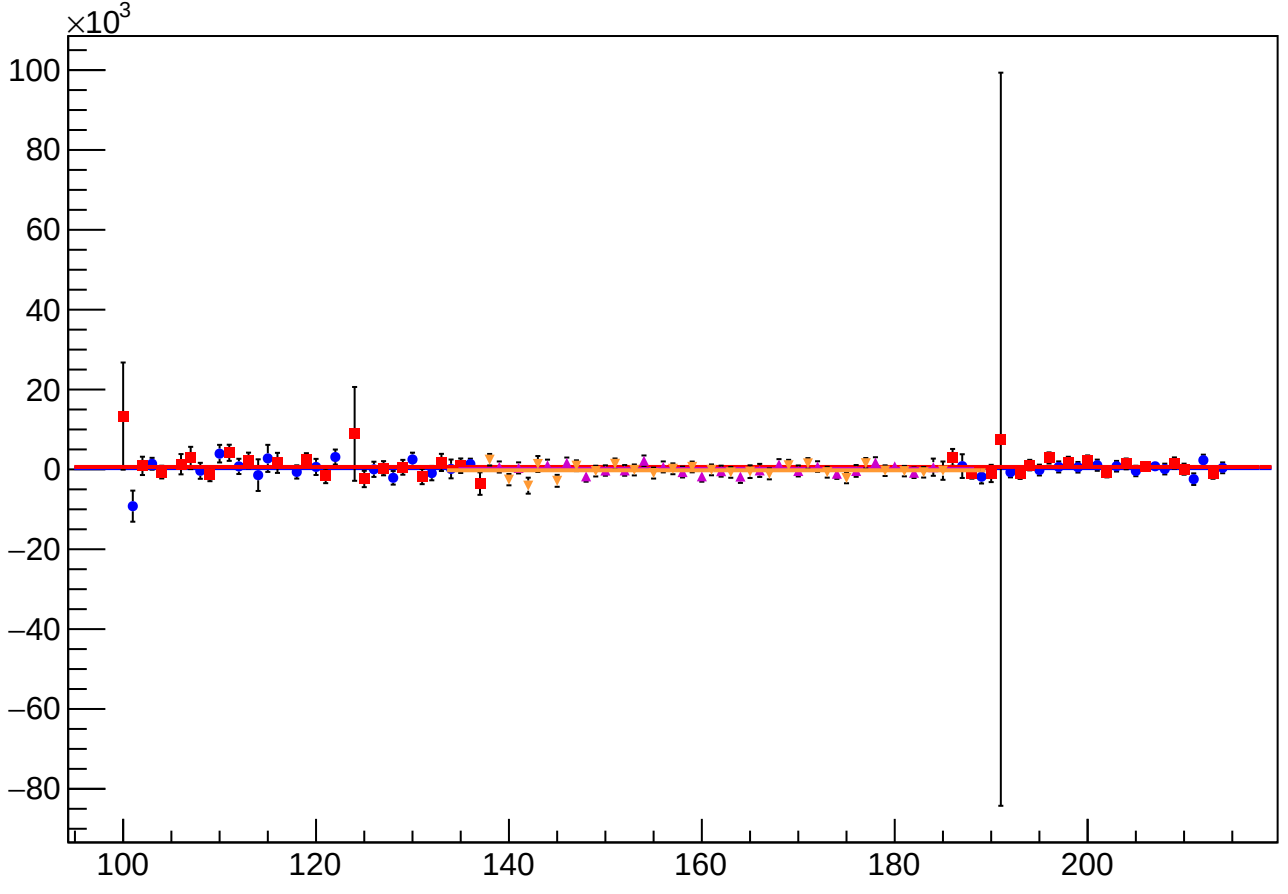
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20172013.1/54

All: 0.000+/-0.000 χ^2/NDF: 39061595.2/111

- sign 0.000+/-0.000 χ^2/NDF: 18609567.3/56

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 320.874+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 610.508+/-296.068 χ^2/NDF: 29.5/33

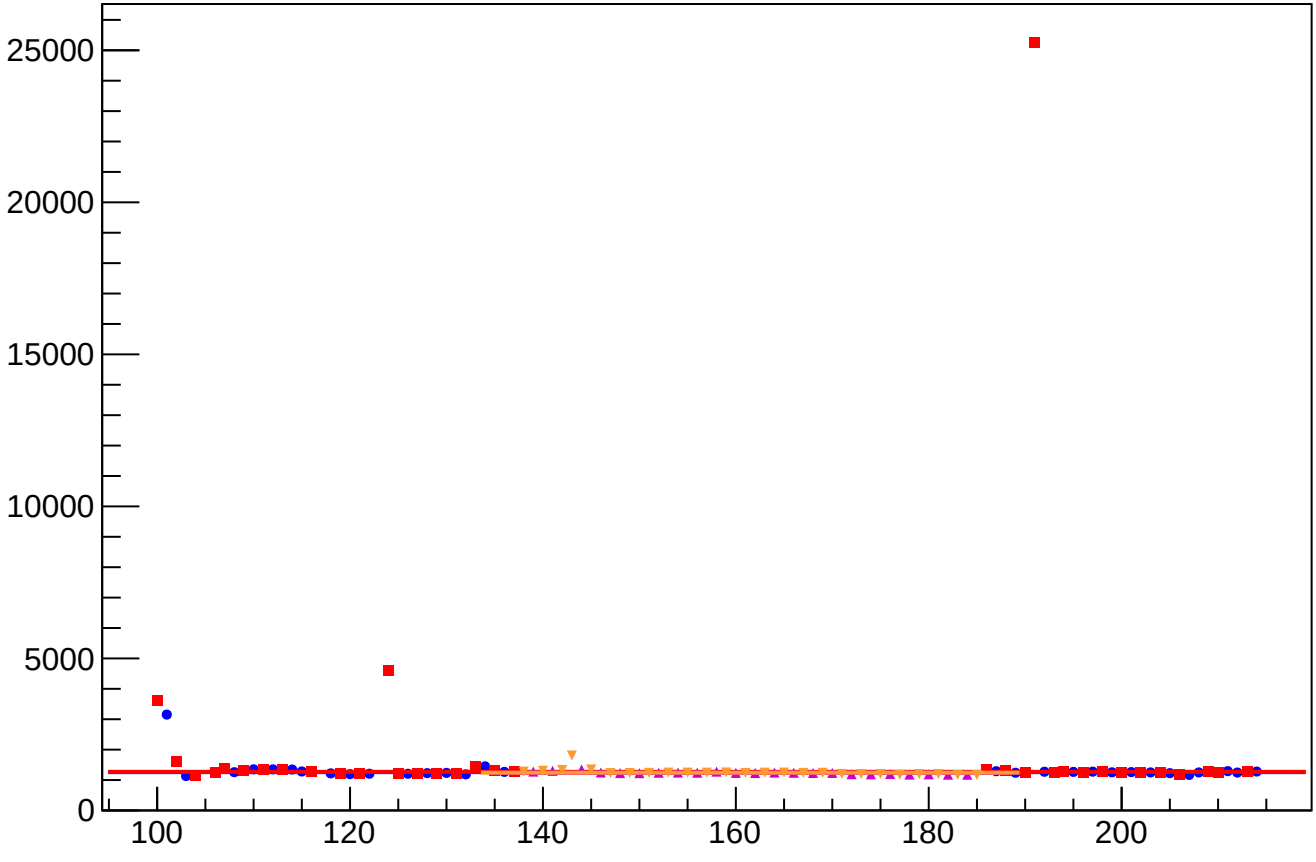
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 37.433+/-204.769 χ^2/NDF: 52.0/54

All: 189.657+/-145.409 χ^2/NDF: 98.9/111

- sign 344.495+/-206.520 χ^2/NDF: 45.8/56

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535651.2/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

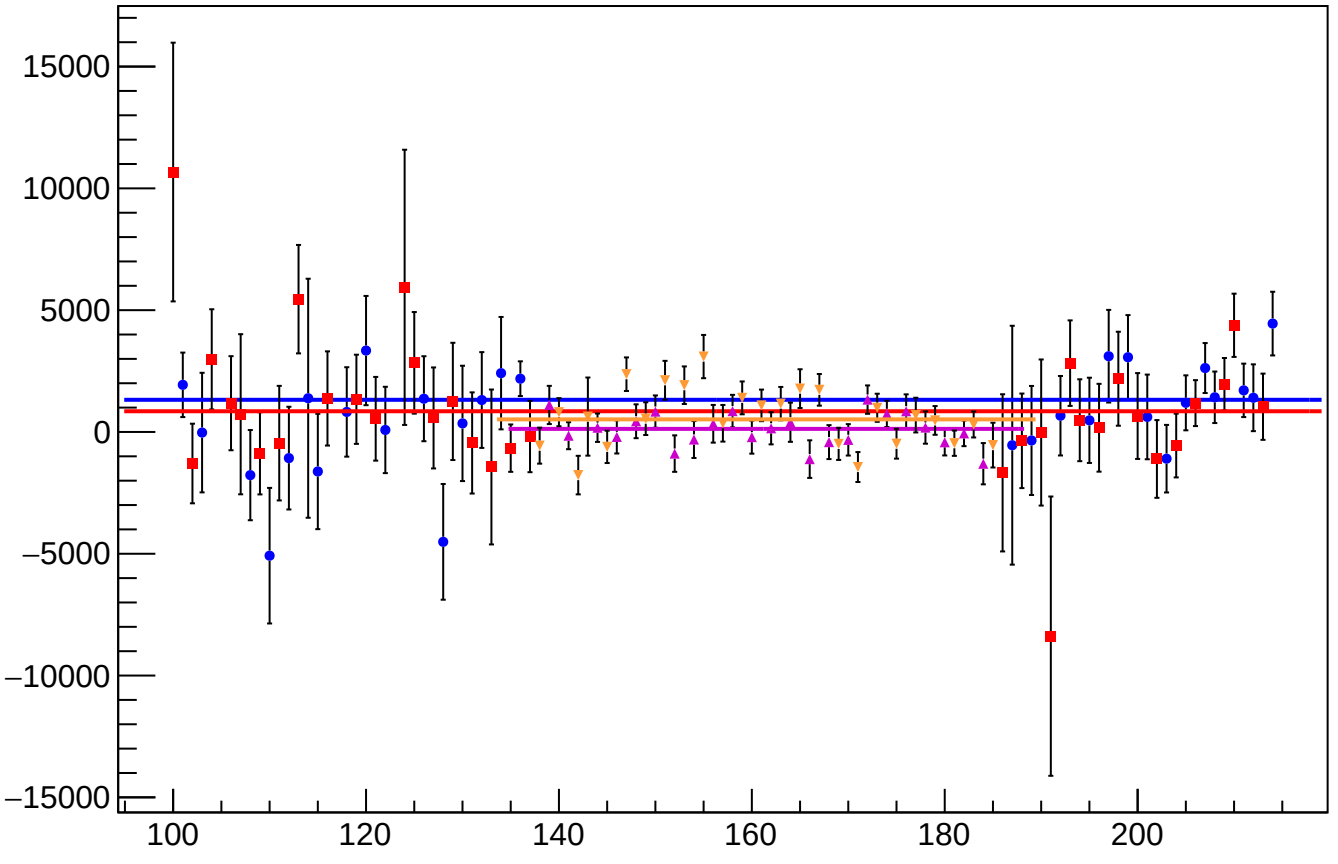
Right Out: 1270.368+/-0.209 χ^2/NDF: 486683.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.022+/-0.145 χ^2/NDF: 742468.9/54

All: 1251.293+/-0.103 χ^2/NDF: 1284147.5/11

- sign 1251.568+/-0.146 χ^2/NDF: 541671.6/56



Right In: 1320.433+/-282.863 χ^2/NDF: 34.4/29

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

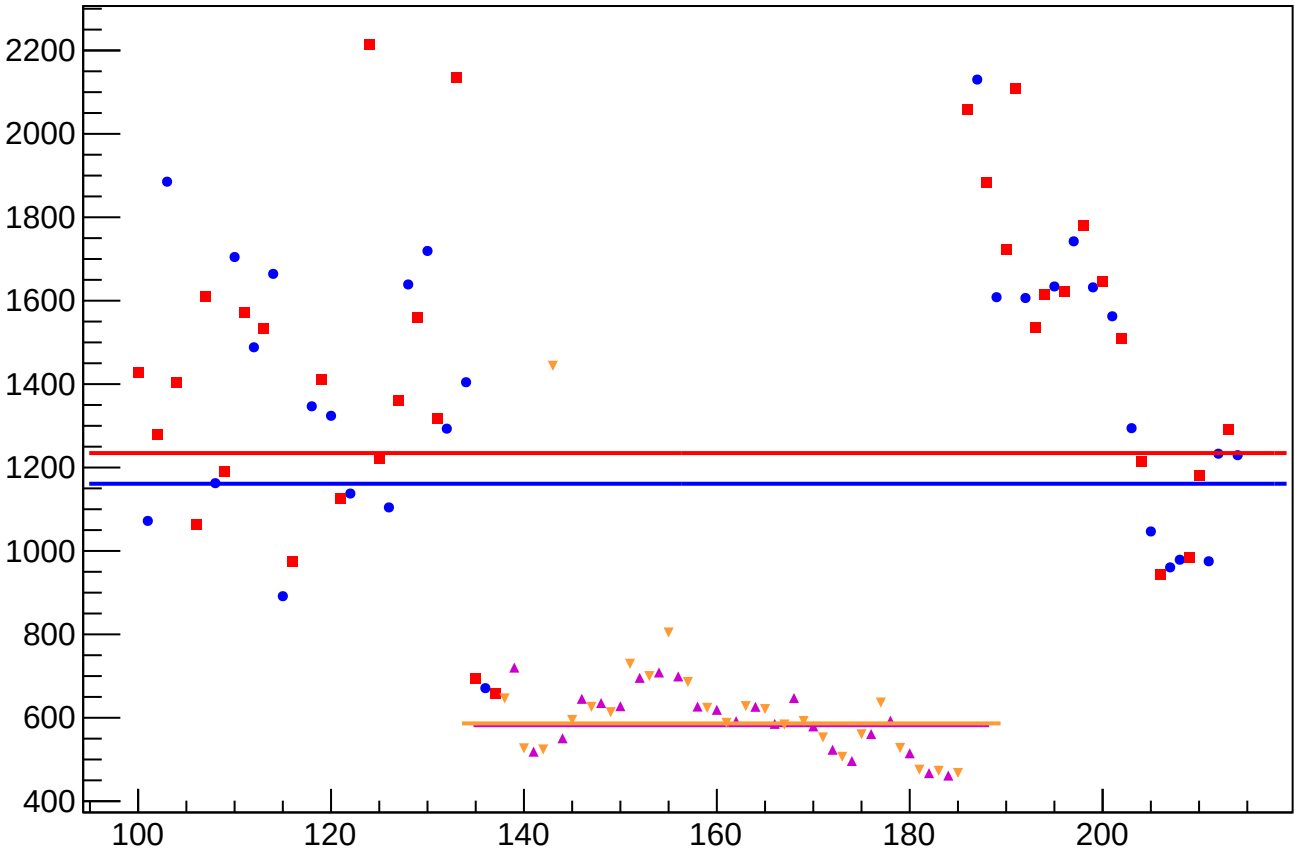
Right Out: 849.942+/-296.847 χ^2/NDF: 34.6/33

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 667.228+/-122.383 χ^2/NDF: 108.0/54

All: 464.307+/-87.308 χ^2/NDF: 174.6/111

- sign 253.998+/-124.591 χ^2/NDF: 61.0/56



Right In: 1161.127+/-0.200 χ^2/NDF: 2694671.1/29

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.671+/-0.210 χ^2/NDF: 2737754.5/33

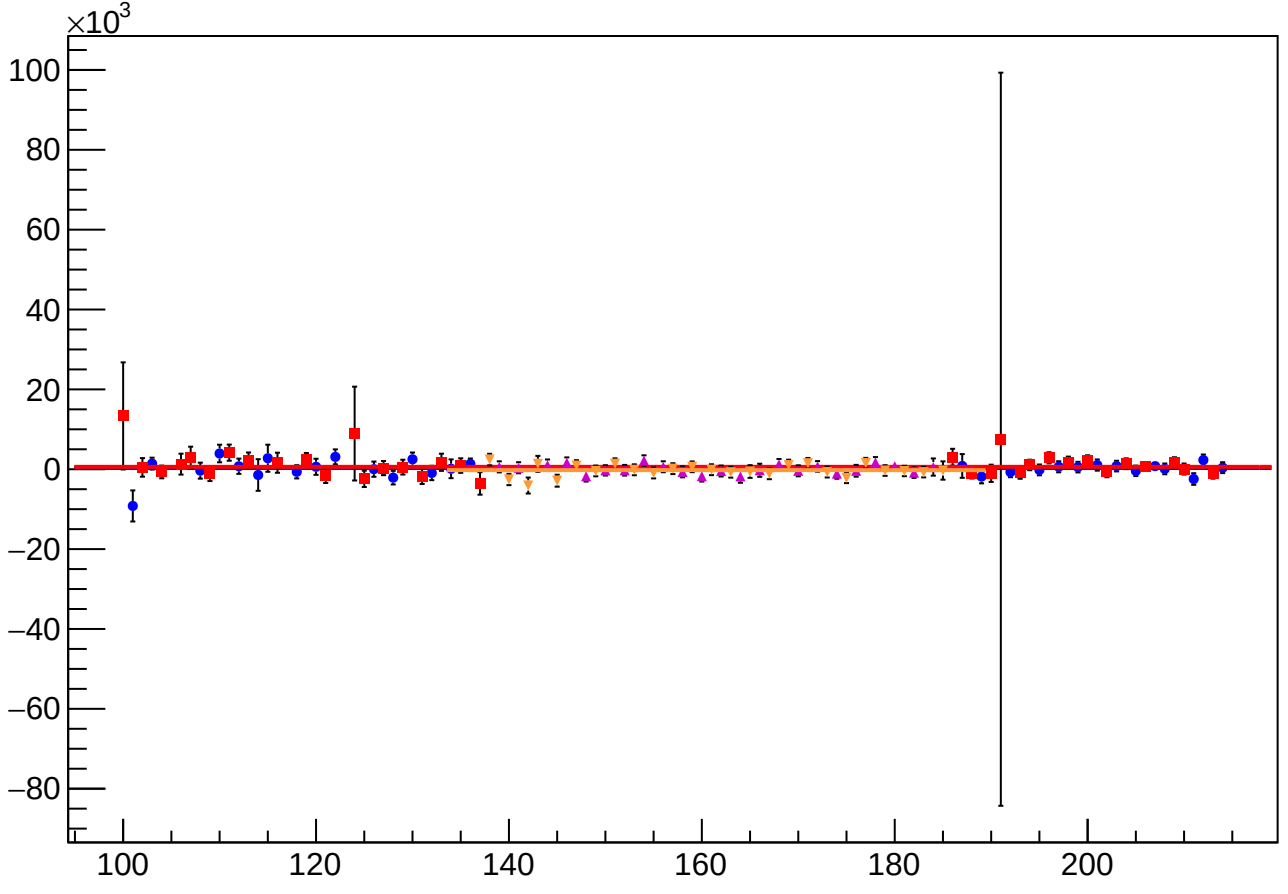
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 694.113+/-0.087 χ^2/NDF: 10604954.2/54

All: 695.595+/-0.062 χ^2/NDF: 21863125.3/11

- sign 697.131+/-0.088 χ^2/NDF: 11257573.9/56

cor_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 321.070+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 602.837+/-296.258 χ^2/NDF: 29.5/33

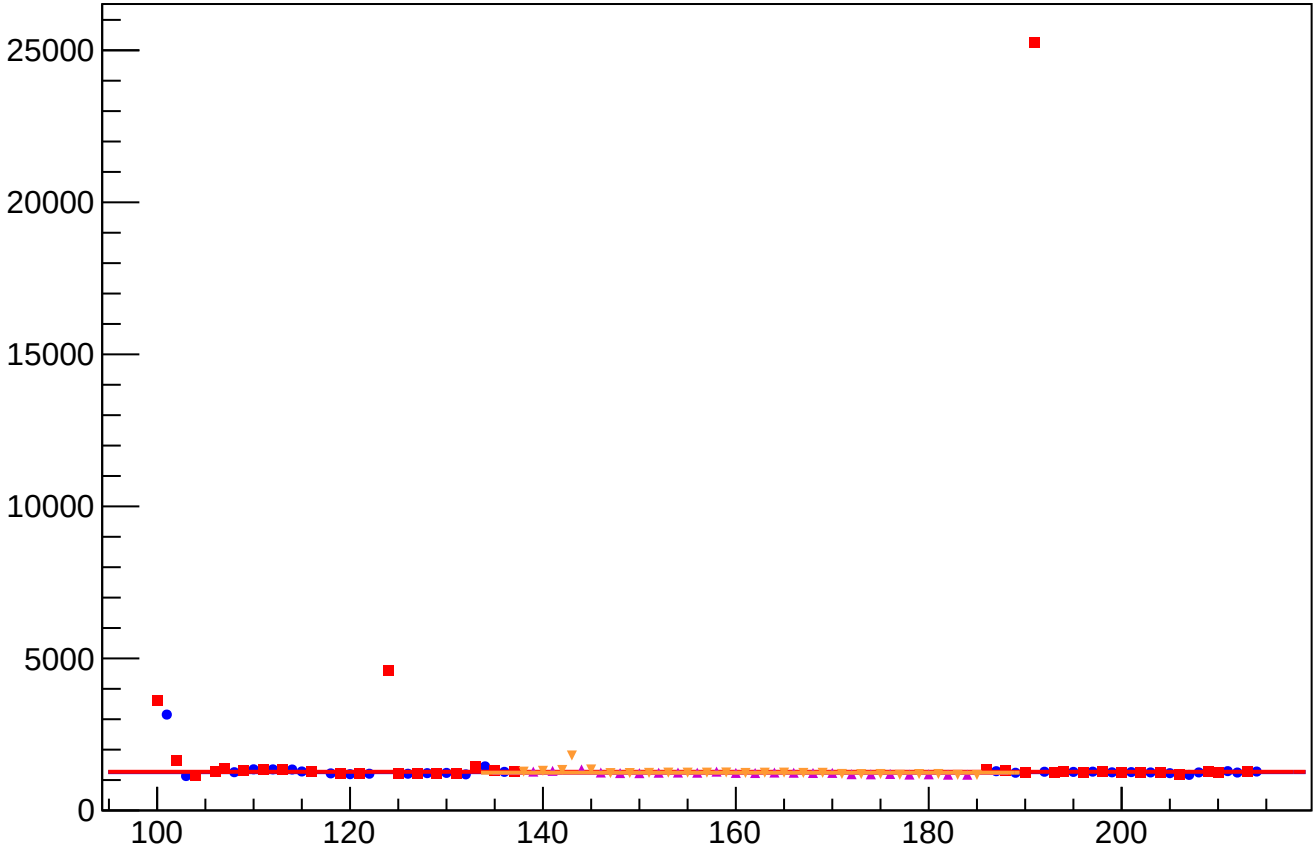
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 37.509+/-204.769 χ^2/NDF: 52.0/54

All: 187.733+/-145.431 χ^2/NDF: 98.8/111

- sign 340.634+/-206.585 χ^2/NDF: 45.7/56

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535652.6/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

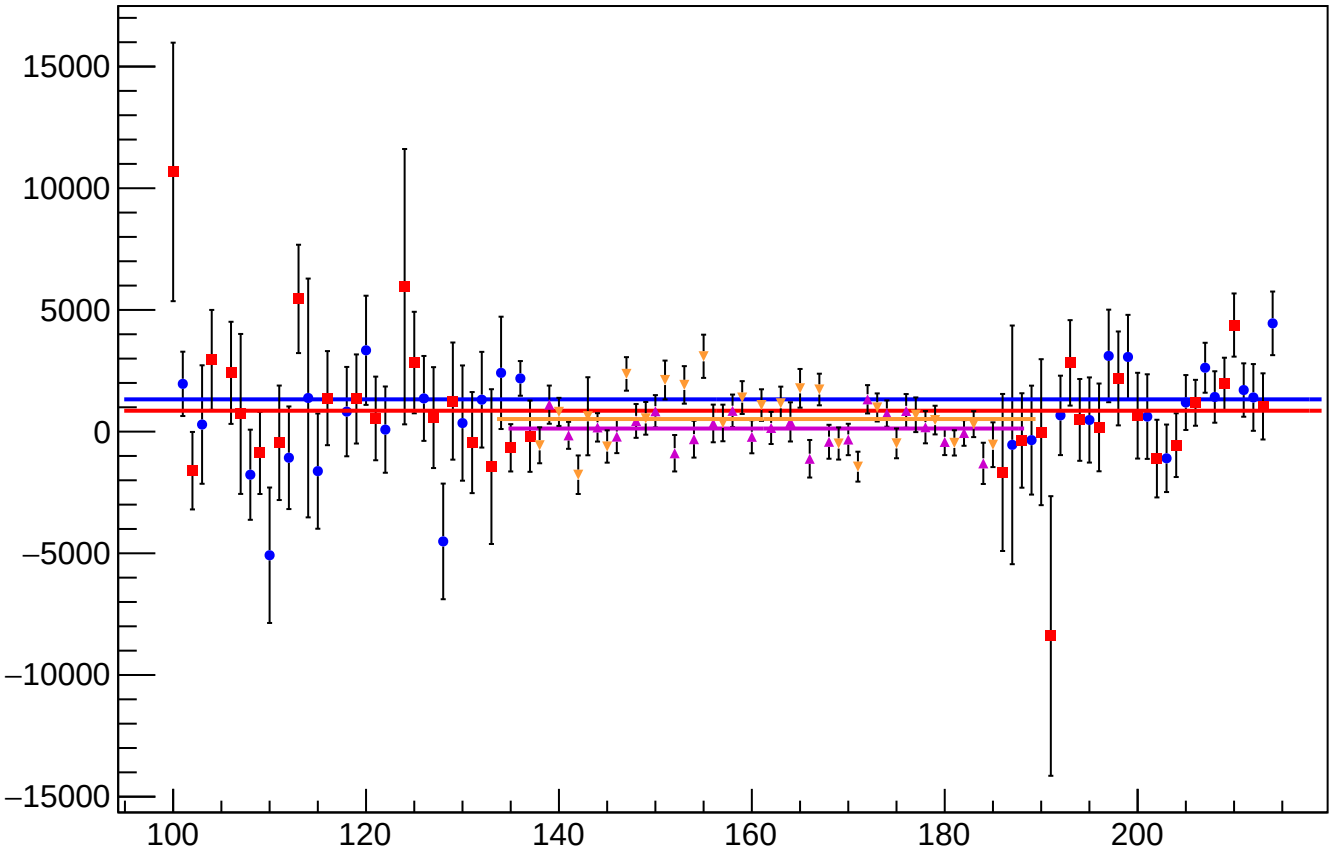
Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.021+/-0.145 χ^2/NDF: 742470.2/54

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

- sign 1251.971+/-0.146 χ^2/NDF: 549554.9/56



Right In: 1325.795+/-282.811 χ^2/NDF: 34.3/29

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

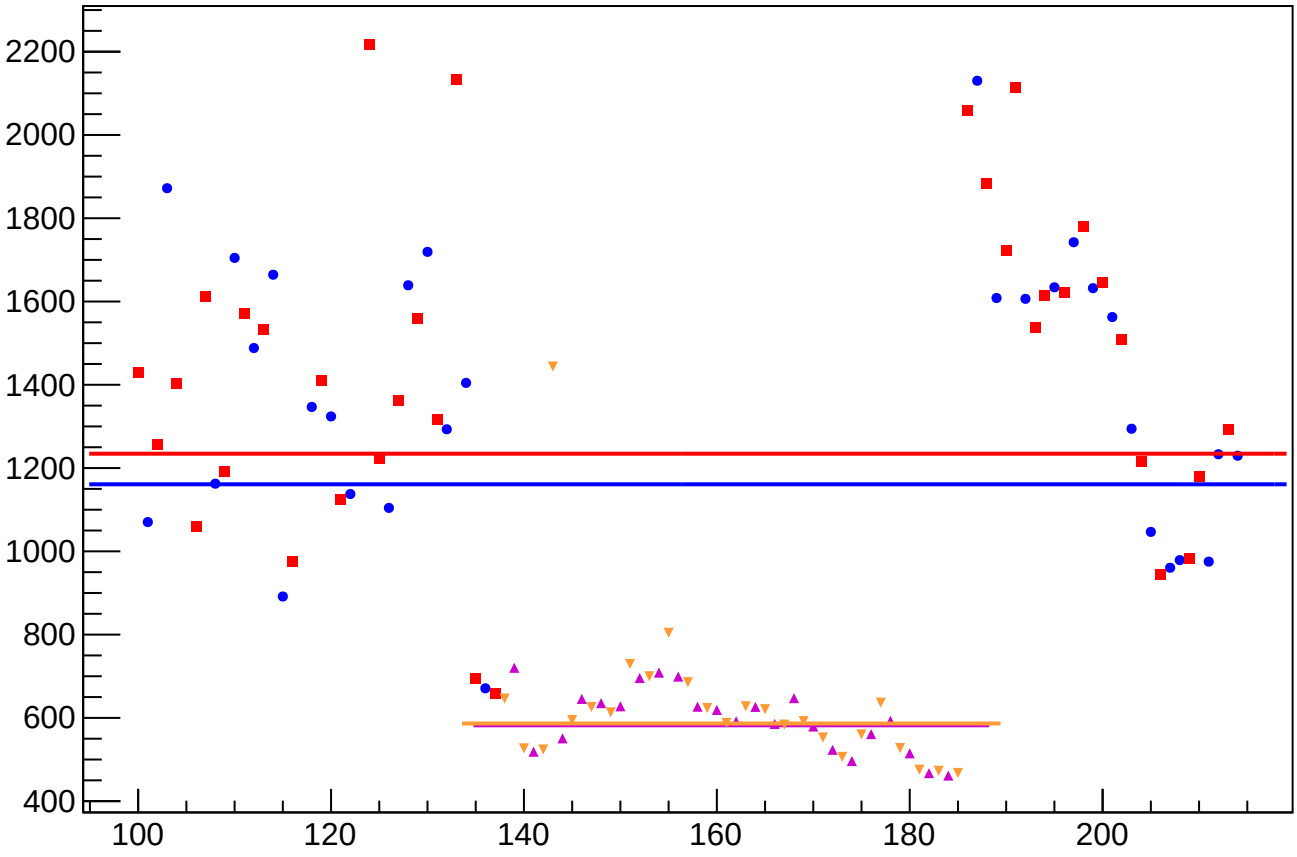
Right Out: 858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 668.295+/-122.379 χ^2/NDF: 108.0/54

All: 465.517+/-87.313 χ^2/NDF: 175.8/111

- sign 255.281+/-124.610 χ^2/NDF: 62.3/56



Right In: 1161.013+/-0.200 χ^2/NDF: 2691574.7/29

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

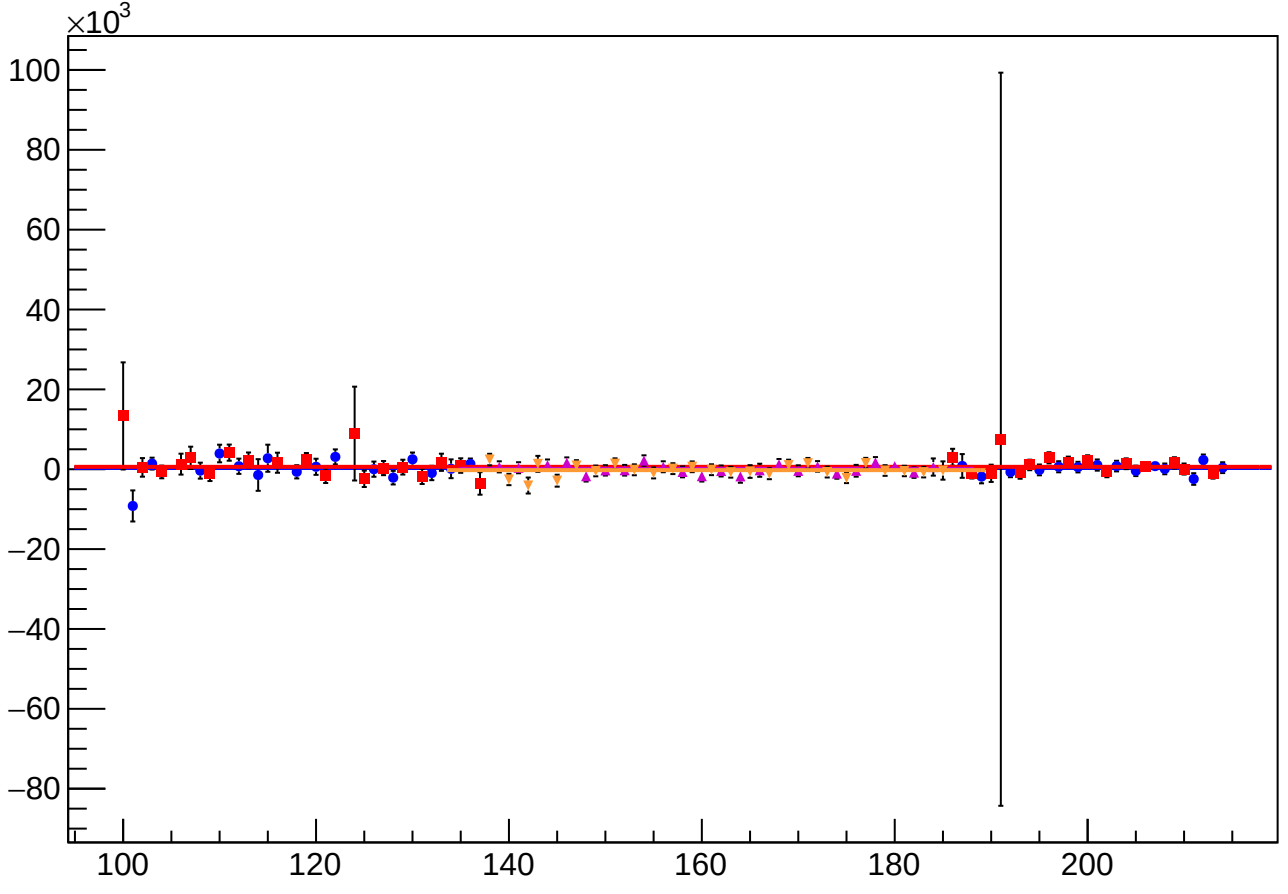
Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 694.129+/-0.087 χ^2/NDF: 10600970.6/54

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11

- sign 696.934+/-0.088 χ^2/NDF: 11239655.1/56



Right In: 321.070+/-296.593 χ^2/NDF: 26.4/29

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 602.837+/-296.258 χ^2/NDF: 29.5/33

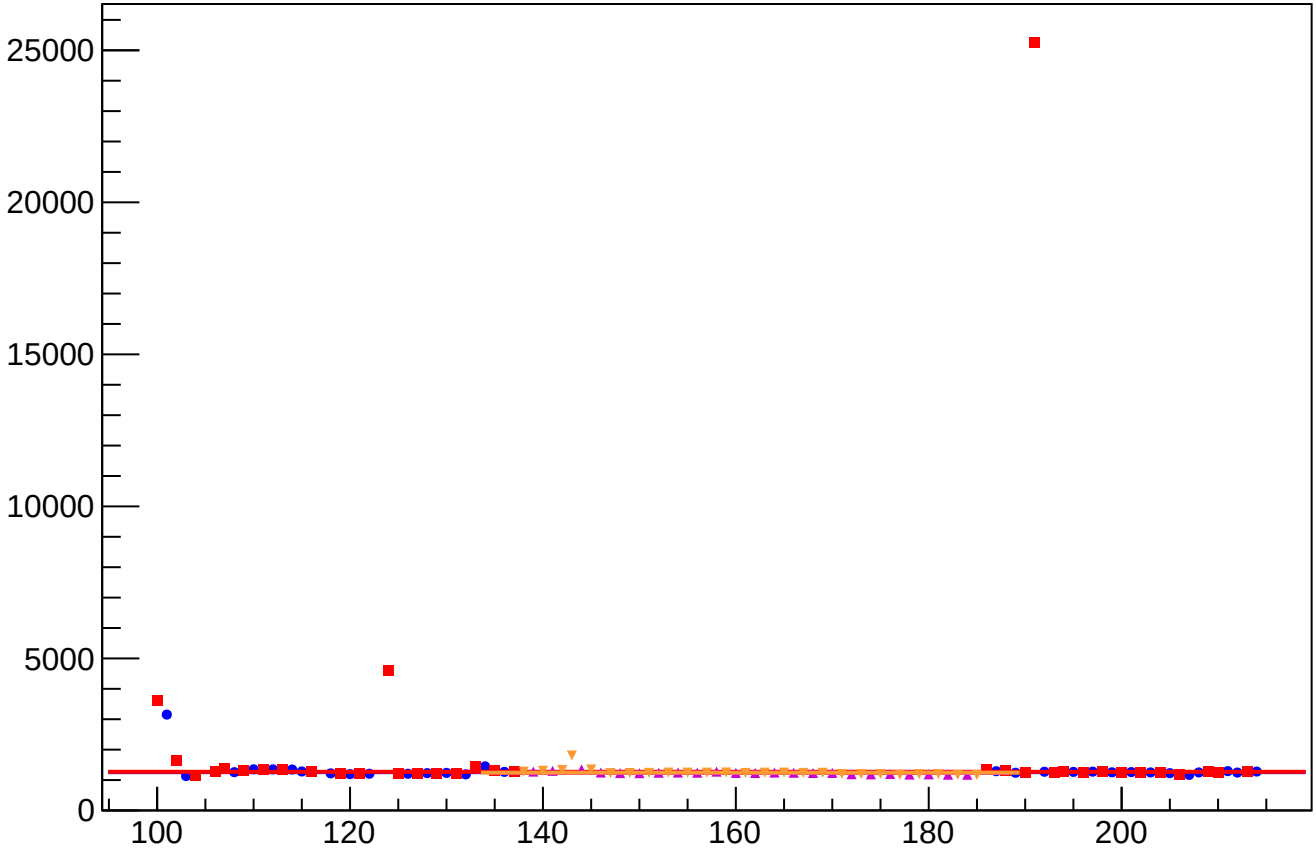
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 37.509+/-204.769 χ^2/NDF: 52.0/54

All: 187.733+/-145.431 χ^2/NDF: 98.8/111

- sign 340.634+/-206.585 χ^2/NDF: 45.7/56

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.021+/-0.210 χ^2/NDF: 535652.6/29

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

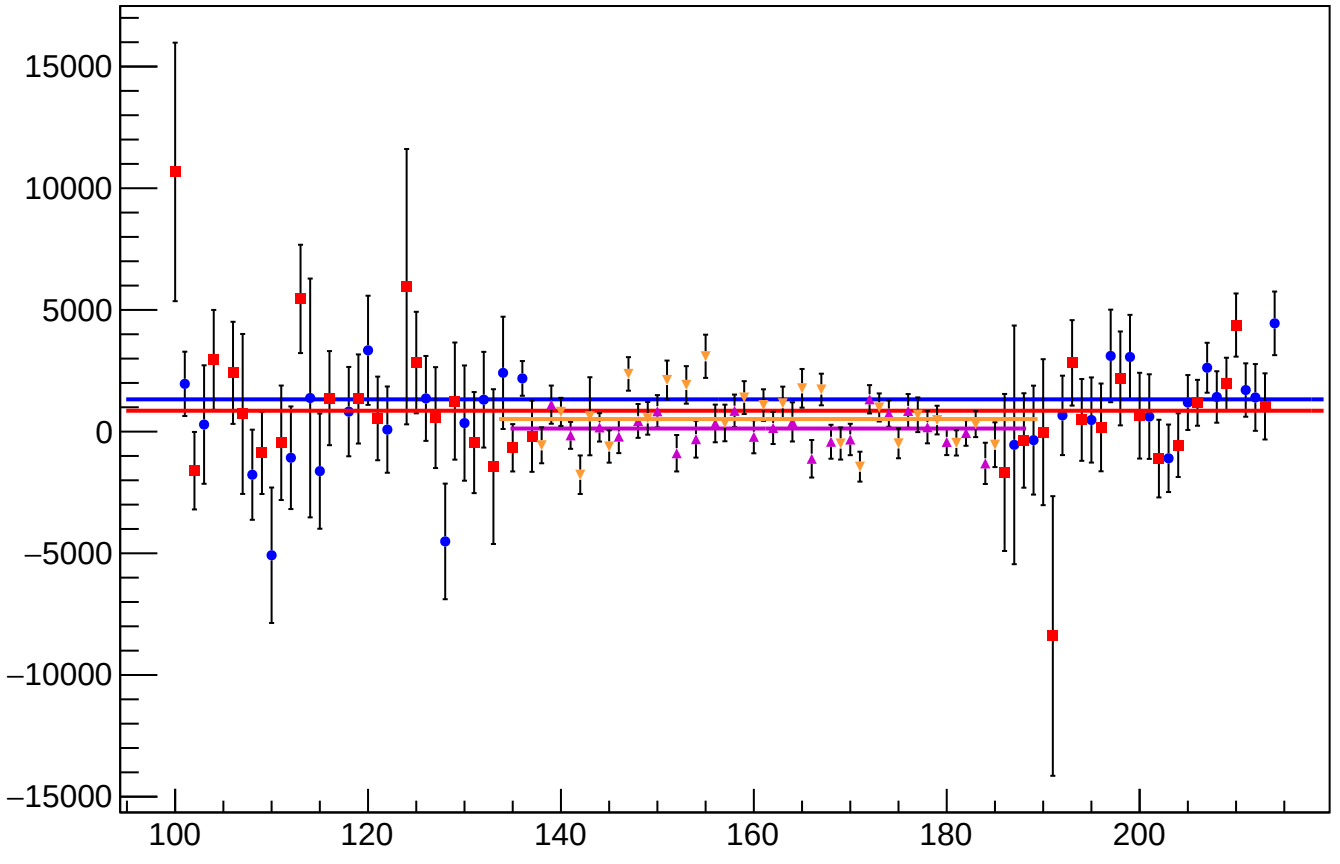
Right Out: 1271.220+/-0.209 χ^2/NDF: 493838.8/33

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.021+/-0.145 χ^2/NDF: 742470.2/54

All: 1251.492+/-0.103 χ^2/NDF: 1292046.4/11

- sign 1251.971+/-0.146 χ^2/NDF: 549554.9/56



Right In: 1325.795+/-282.811 χ^2/NDF: 34.3/29

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

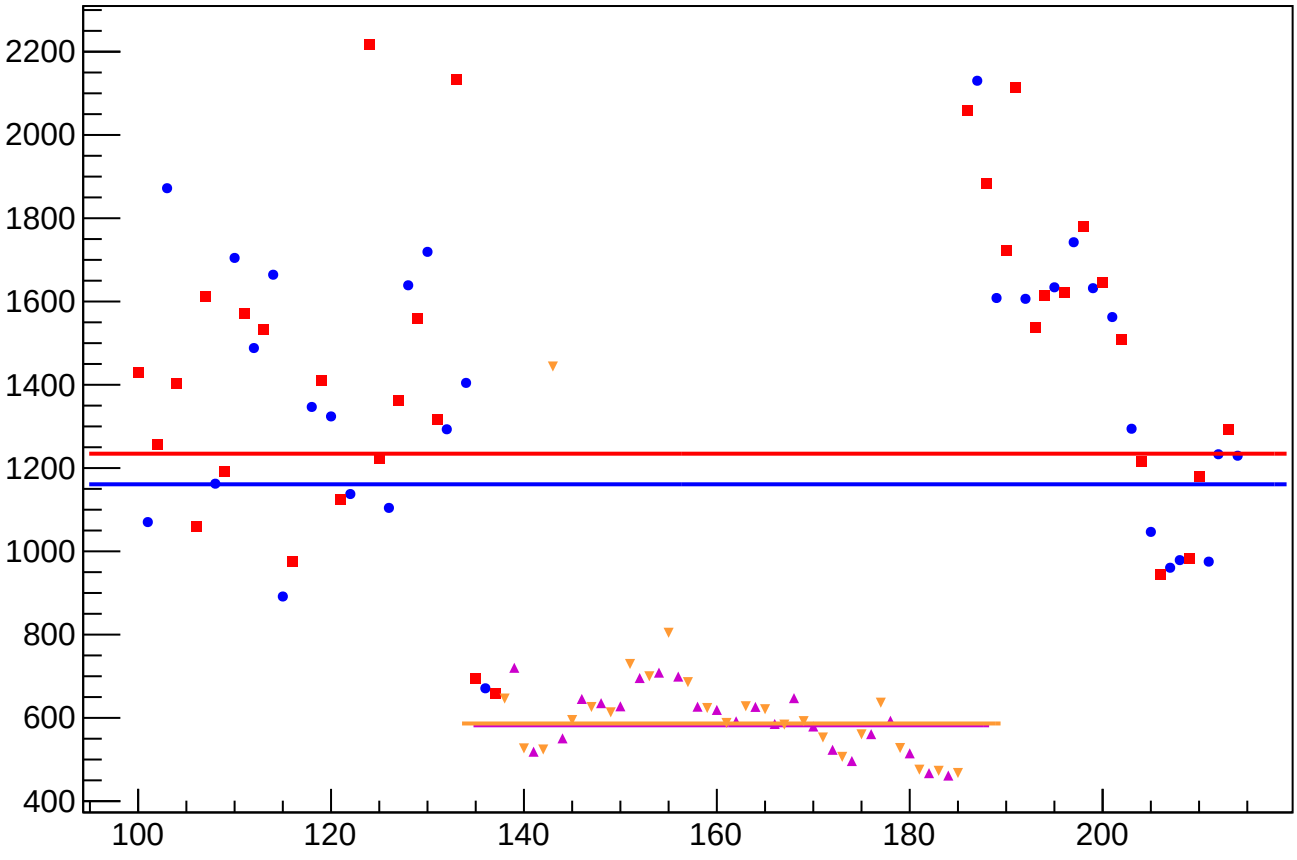
Right Out: 858.389+/-297.110 χ^2/NDF: 35.7/33

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 668.295+/-122.379 χ^2/NDF: 108.0/54

All: 465.517+/-87.313 χ^2/NDF: 175.8/111

- sign 255.281+/-124.610 χ^2/NDF: 62.3/56



Right In: 1161.013+/-0.200 χ^2/NDF: 2691574.7/29

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.519+/-0.210 χ^2/NDF: 2735110.5/33

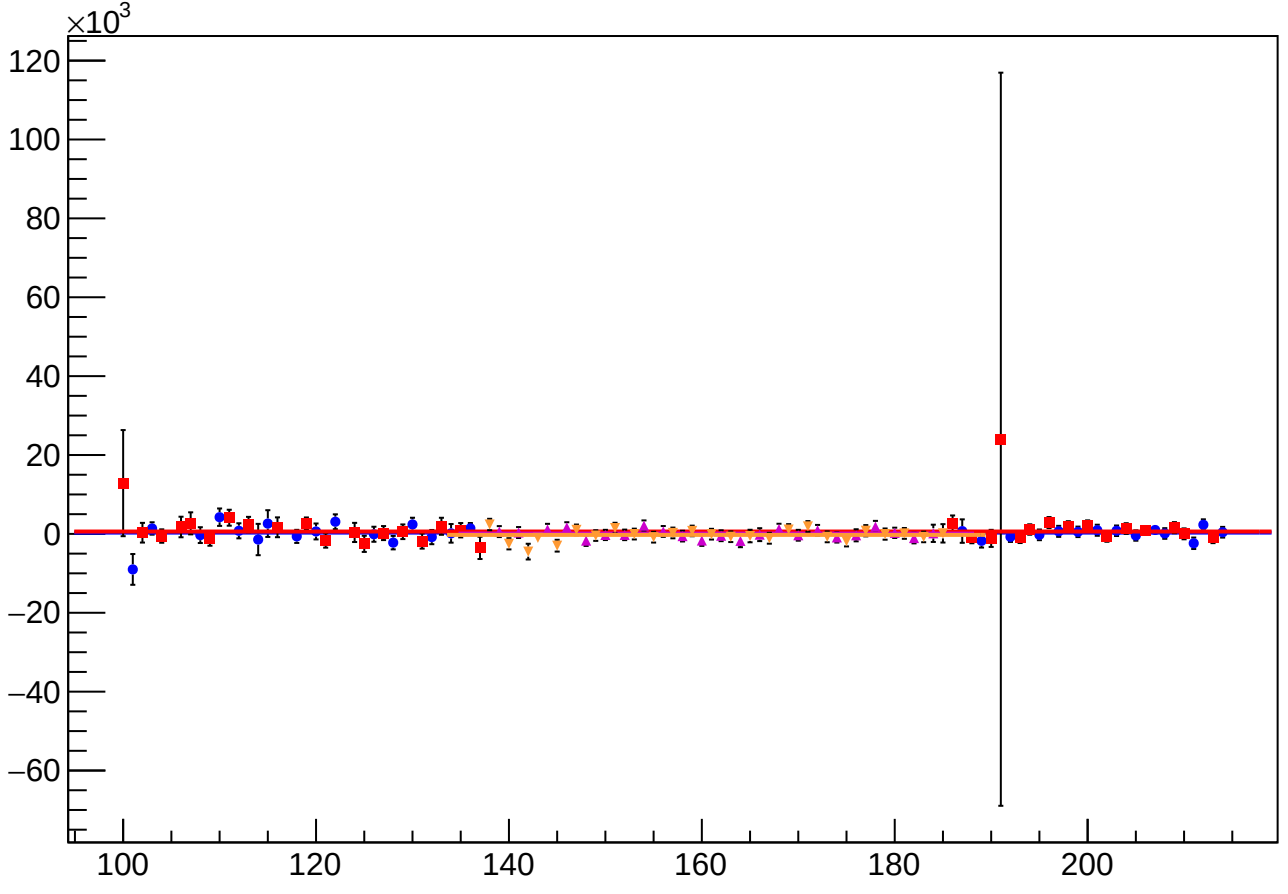
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 694.129+/-0.087 χ^2/NDF: 10600970.6/54

All: 695.506+/-0.062 χ^2/NDF: 21841141.7/11

- sign 696.934+/-0.088 χ^2/NDF: 11239655.1/56

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 328.286+/-297.511 χ^2/NDF: 26.3/29

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 600.486+/-295.575 χ^2/NDF: 29.0/33

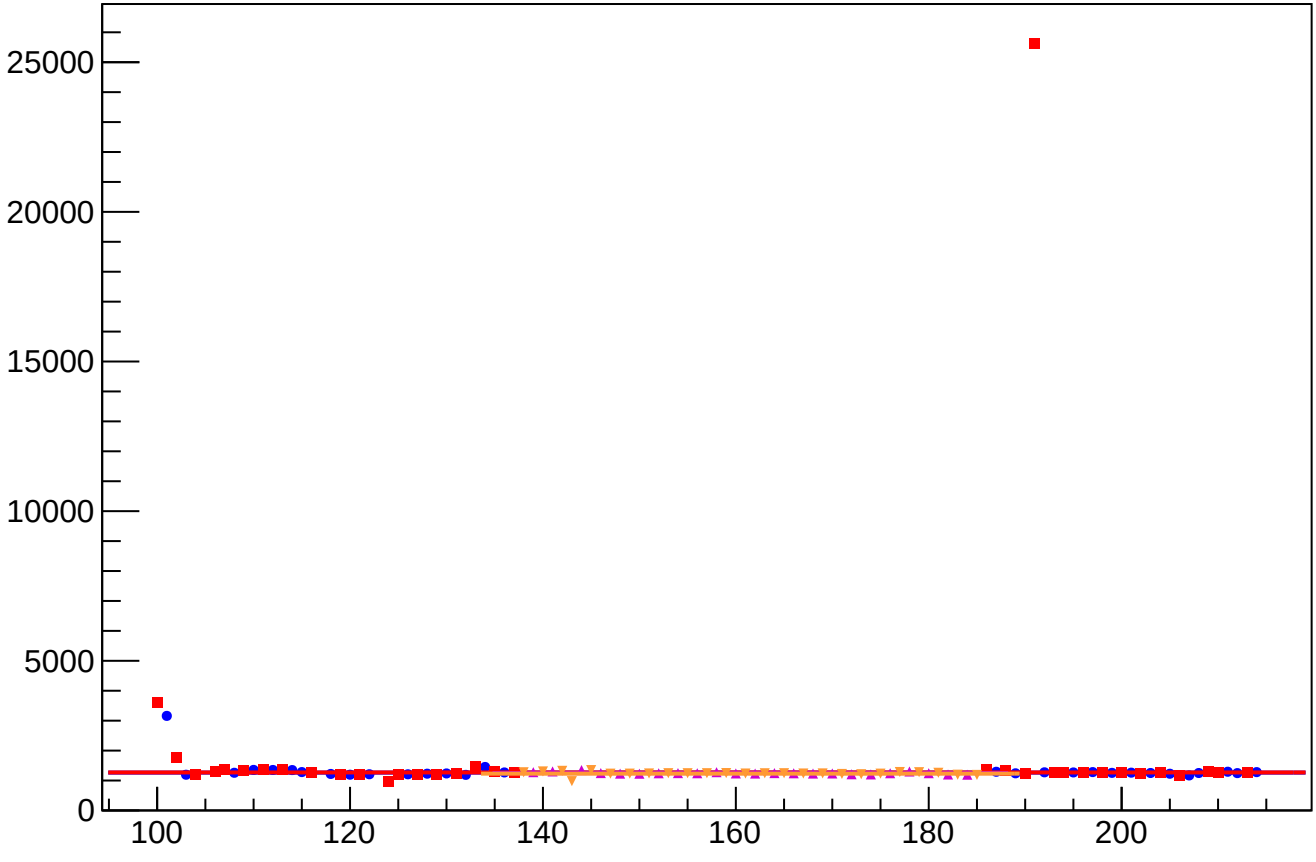
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 21.095+/-203.870 χ^2/NDF: 52.4/54

All: 174.761+/-145.435 χ^2/NDF: 98.1/111

- sign 333.998+/-207.532 χ^2/NDF: 44.6/56

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.083+/-0.210 χ^2/NDF: 525437.9/29

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

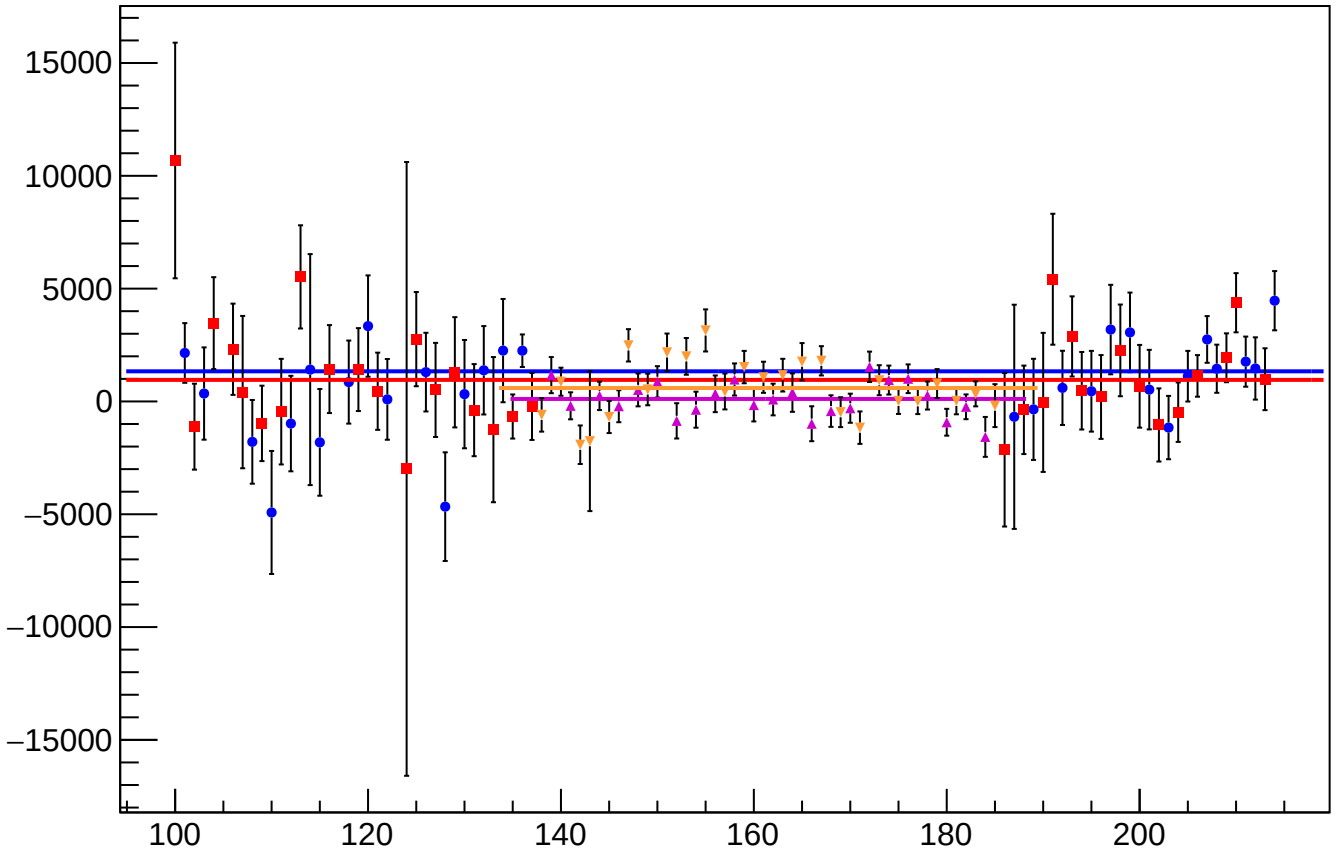
Right Out: 1269.823+/-0.209 χ^2/NDF: 385102.1/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1245.997+/-0.144 χ^2/NDF: 680979.2/54

All: 1252.211+/-0.103 χ^2/NDF: 1102842.5/11

- sign 1258.650+/-0.147 χ^2/NDF: 418079.9/56



Right In: 1335.554+/-284.201 χ^2/NDF: 35.3/29

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

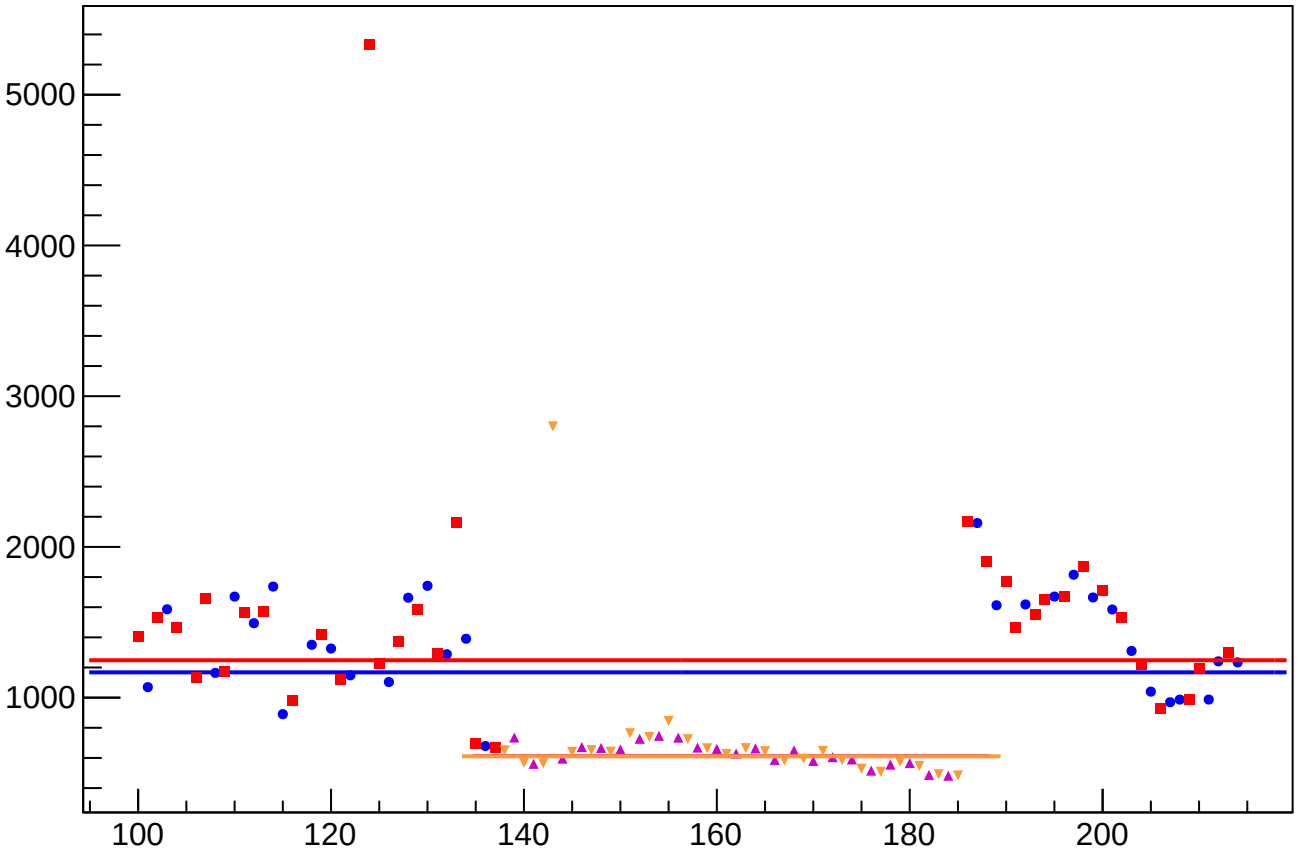
Right Out: 955.684+/-299.553 χ^2/NDF: 33.7/33

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 743.161+/-127.120 χ^2/NDF: 98.1/54

All: 511.484+/-90.872 χ^2/NDF: 170.7/111

- sign 269.365+/-129.953 χ^2/NDF: 65.9/56



Right In: 1167.860+/-0.201 χ^2/NDF: 2630250.9/29

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

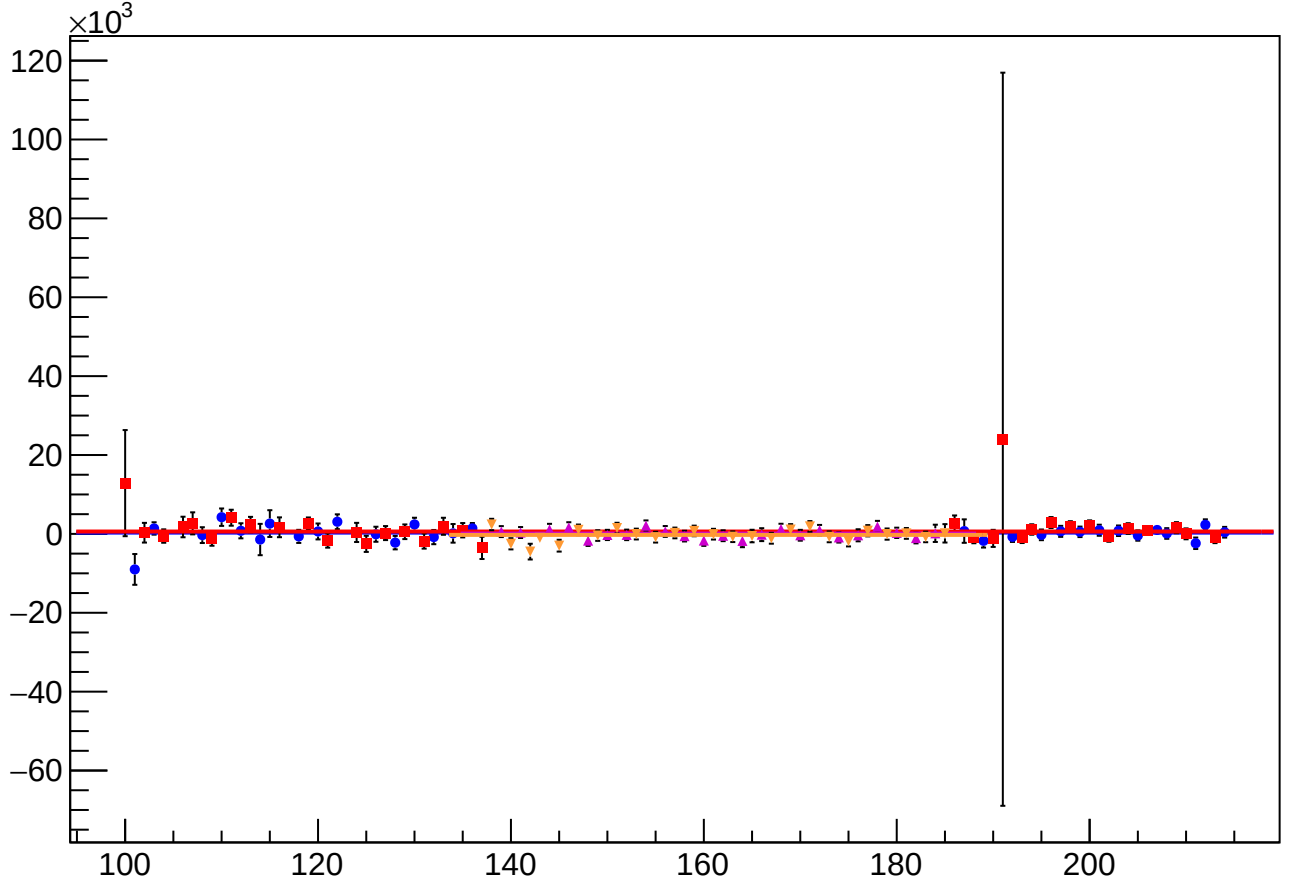
Right Out: 1248.155+/-0.212 χ^2/NDF: 3030885.4/33

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 722.479+/-0.090 χ^2/NDF: 10389868.3/54

All: 727.159+/-0.064 χ^2/NDF: 21248166.5/11

- sign 732.050+/-0.092 χ^2/NDF: 10852754.4/56



Right In: 328.284+/-297.511 χ^2/NDF: 26.3/29

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 600.485+/-295.575 χ^2/NDF: 29.0/33

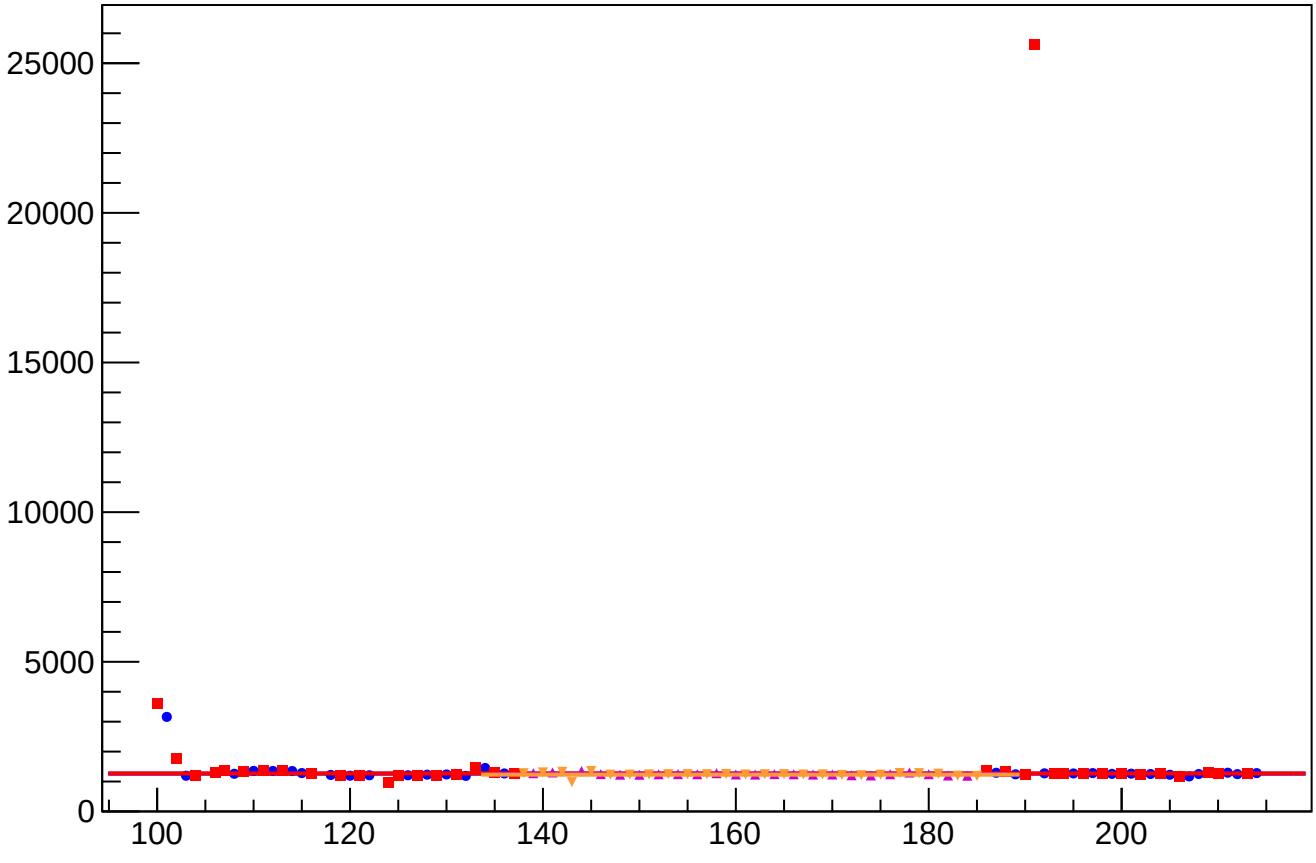
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

\+ sign 21.093+/-203.870 χ^2/NDF: 52.4/54

All: 174.760+/-145.435 χ^2/NDF: 98.1/111

\- sign 333.997+/-207.532 χ^2/NDF: 44.6/56

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1264.083+/-0.210 χ^2/NDF: 525438.0/29

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

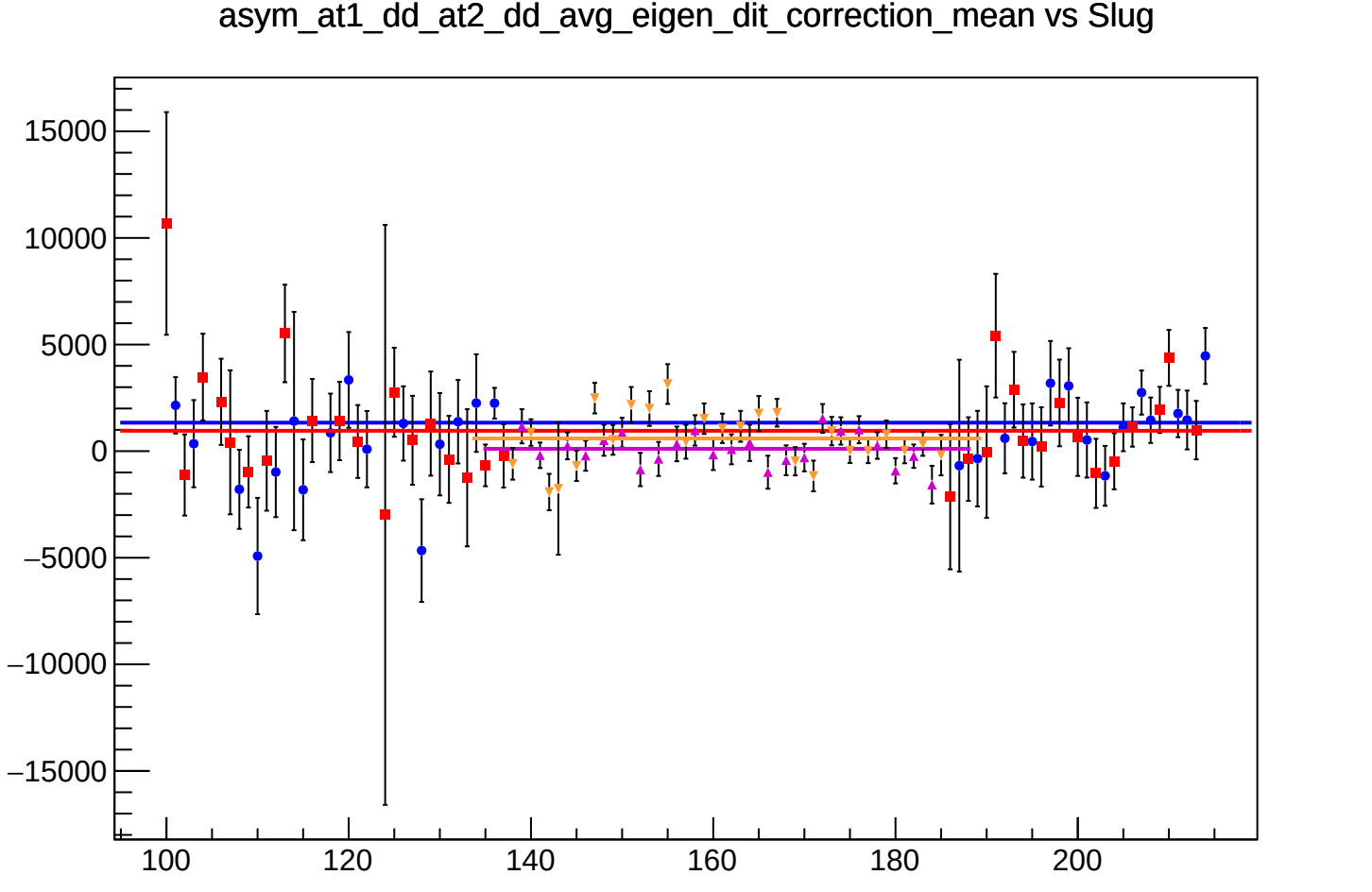
Right Out: 1269.823+/-0.209 χ^2/NDF: 385101.9/33

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1245.997+/-0.144 χ^2/NDF: 680978.4/54

All: 1252.210+/-0.103 χ^2/NDF: 1102841.4/11

- sign 1258.650+/-0.147 χ^2/NDF: 418079.7/56



Right In: 1335.554+/-284.201 χ^2/NDF: 35.3/29

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

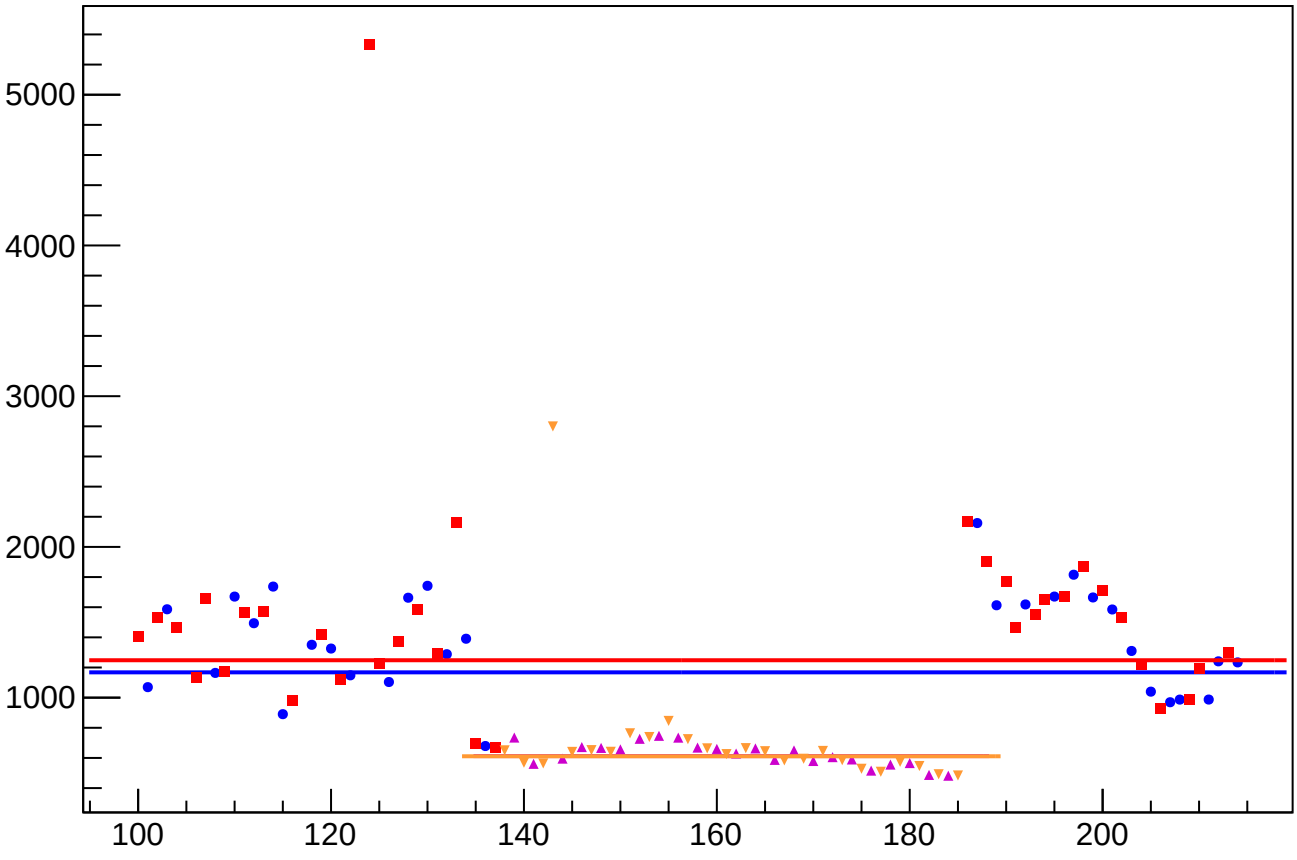
Right Out: 955.689+/-299.553 χ^2/NDF: 33.7/33

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

\+ sign 743.161+/-127.120 χ^2/NDF: 98.1/54

All: 511.483+/-90.872 χ^2/NDF: 170.7/111

\- sign 269.364+/-129.953 χ^2/NDF: 65.9/56



Right In: 1167.861+/-0.201 χ^2/NDF: 2630192.1/29

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.157+/-0.212 χ^2/NDF: 3030828.6/33

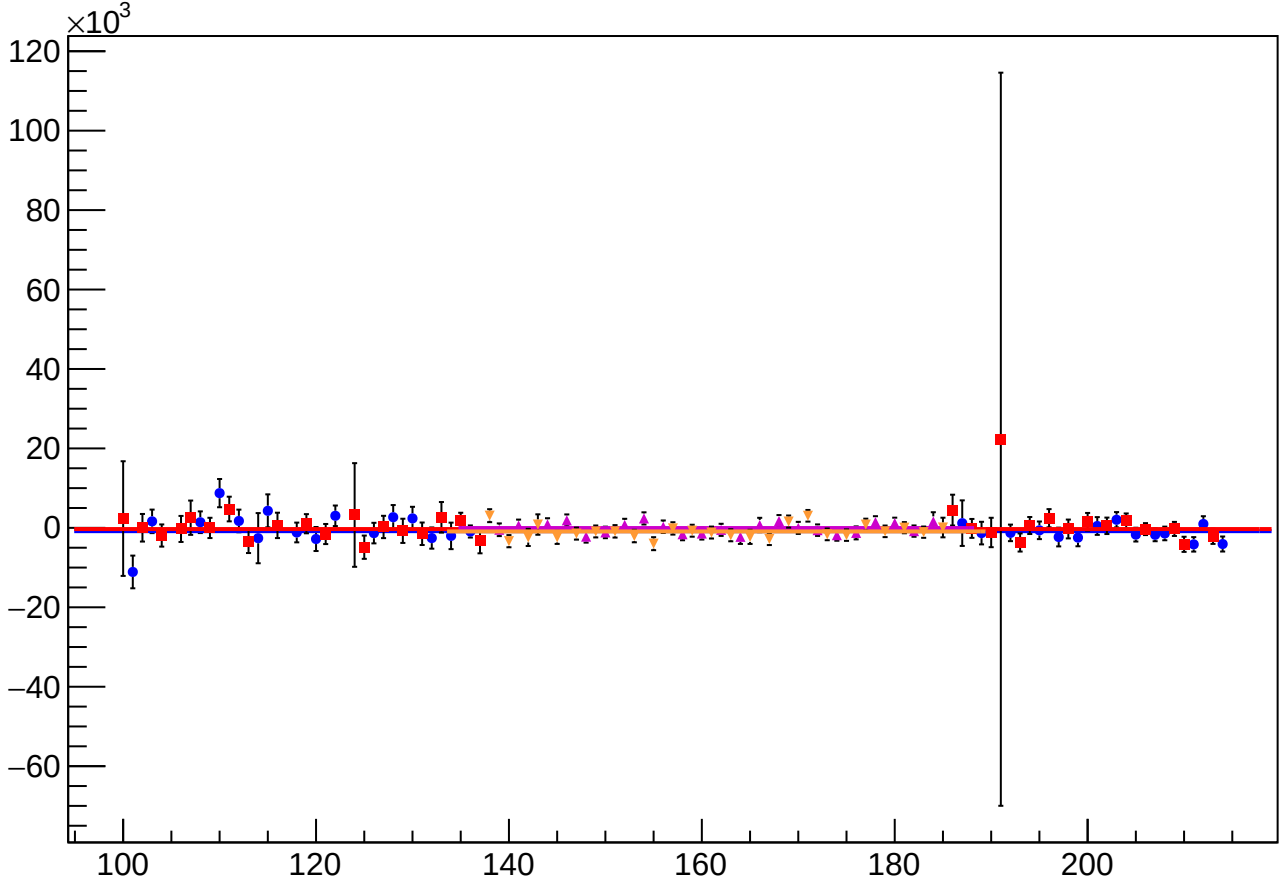
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 722.479+/-0.090 χ^2/NDF: 10389837.1/54

All: 727.159+/-0.064 χ^2/NDF: 21248143.9/11

- sign 732.049+/-0.092 χ^2/NDF: 10852763.5/56

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -830.563+/-430.822 χ^2/NDF: 34.5/29

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -300.705+/-440.031 χ^2/NDF: 22.8/33

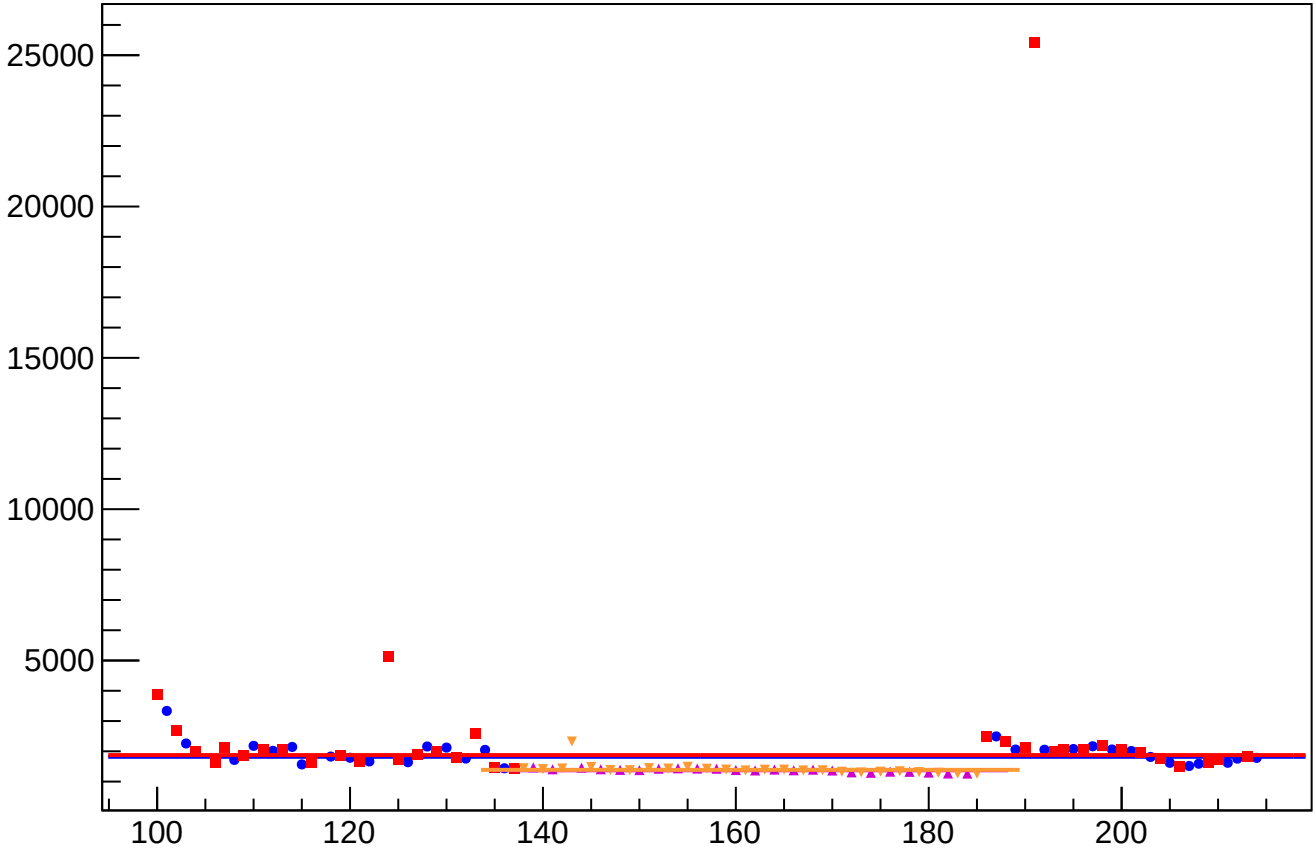
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -875.597+/-255.041 χ^2/NDF: 64.4/54

All: -511.844+/-181.826 χ^2/NDF: 109.4/111

- sign -135.862+/-259.293 χ^2/NDF: 40.9/56

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1819.196+/-0.305 χ^2/NDF: 893007.4/29

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

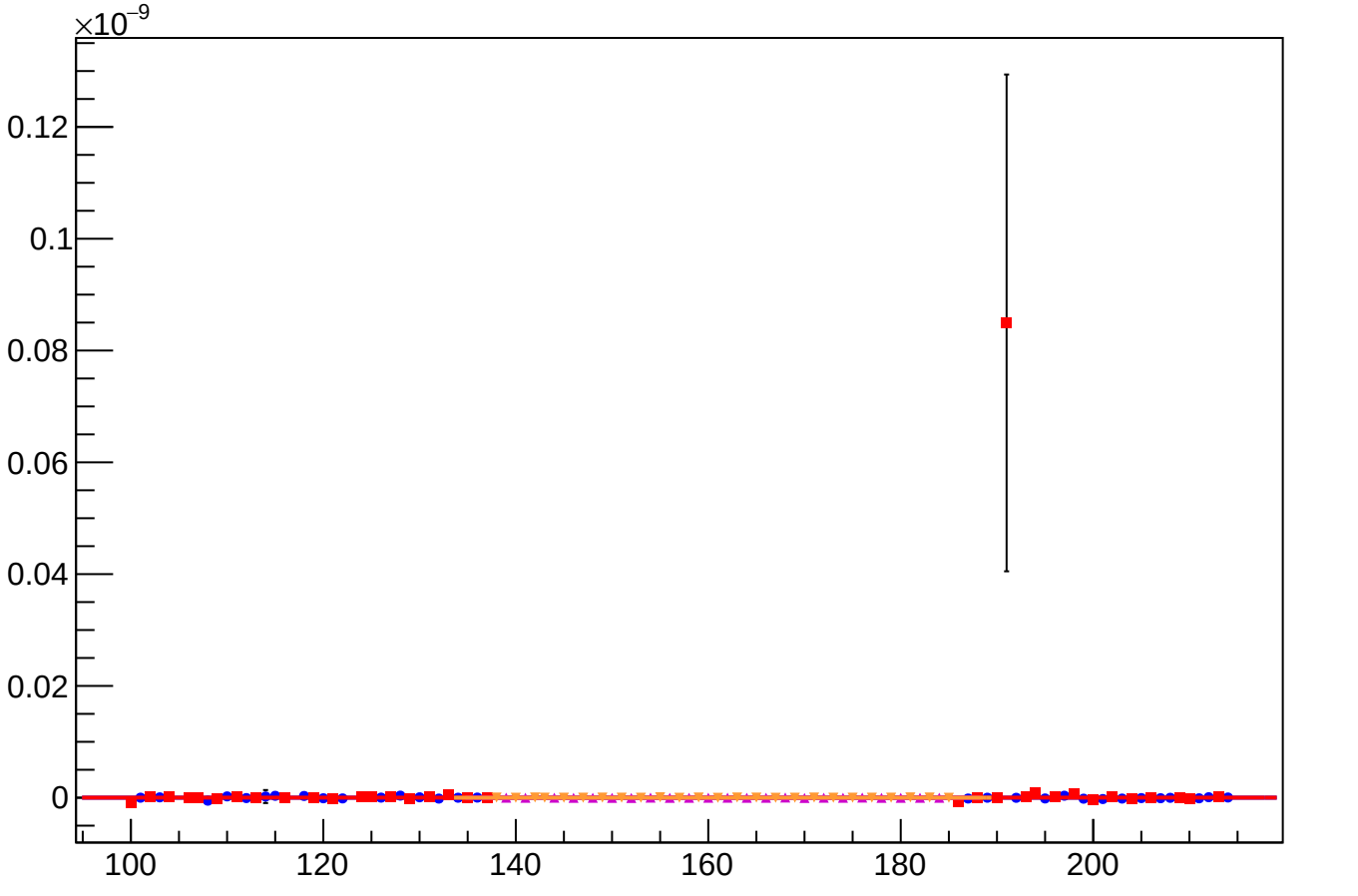
Right Out: 1874.851+/-0.311 χ^2/NDF: 1051720.1/33

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1538.362+/-0.180 χ^2/NDF: 2541149.1/54

All: 1542.806+/-0.129 χ^2/NDF: 5355263.8/11

- sign 1547.398+/-0.183 χ^2/NDF: 2812880.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

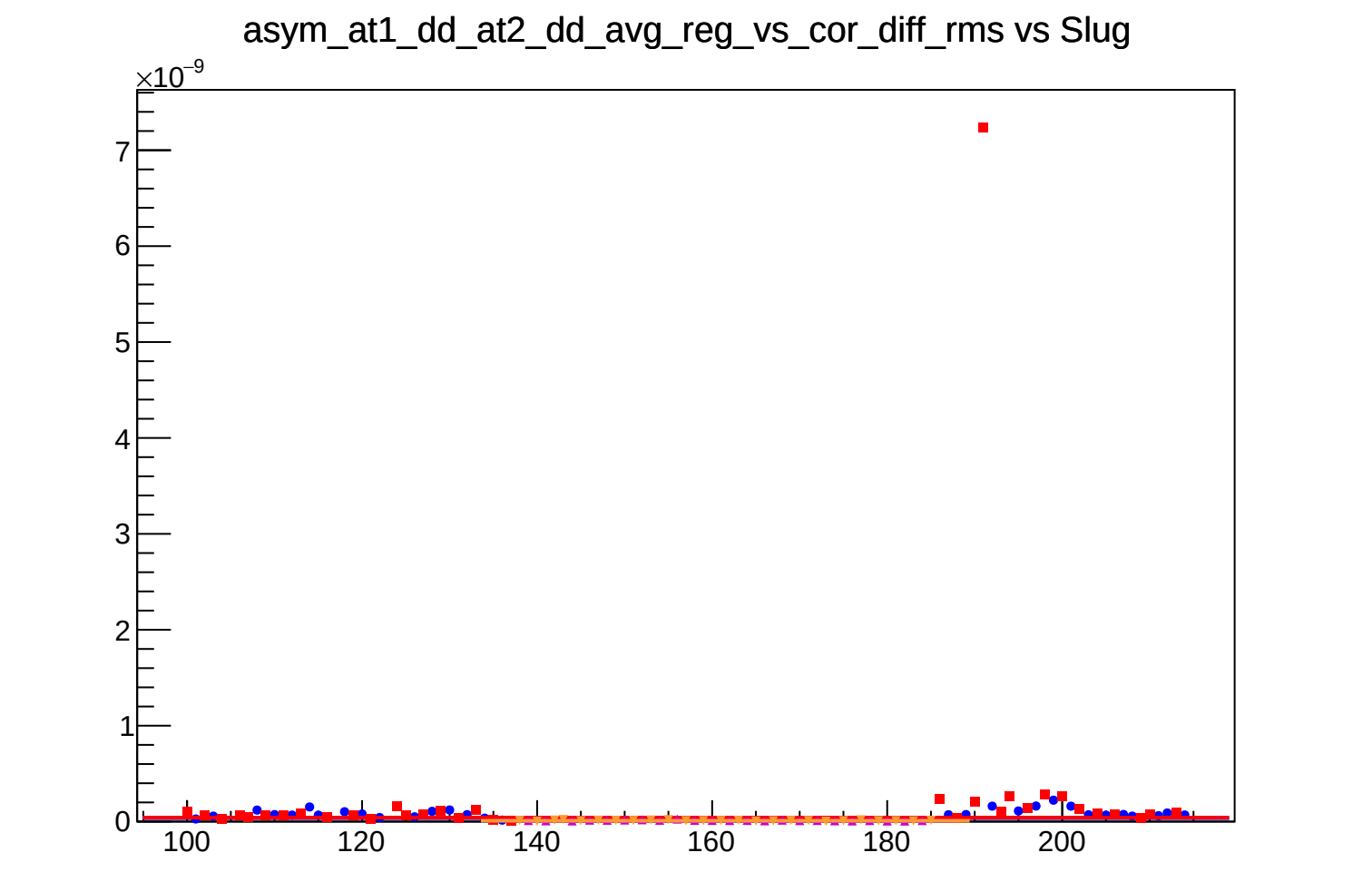
Right Out: 0.000+/-0.000 χ^2/NDF: 49.0/33

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/54

All: 0.000+/-0.000 χ^2/NDF: 113.6/111

- sign -0.000+/-0.000 χ^2/NDF: 63.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6655620.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

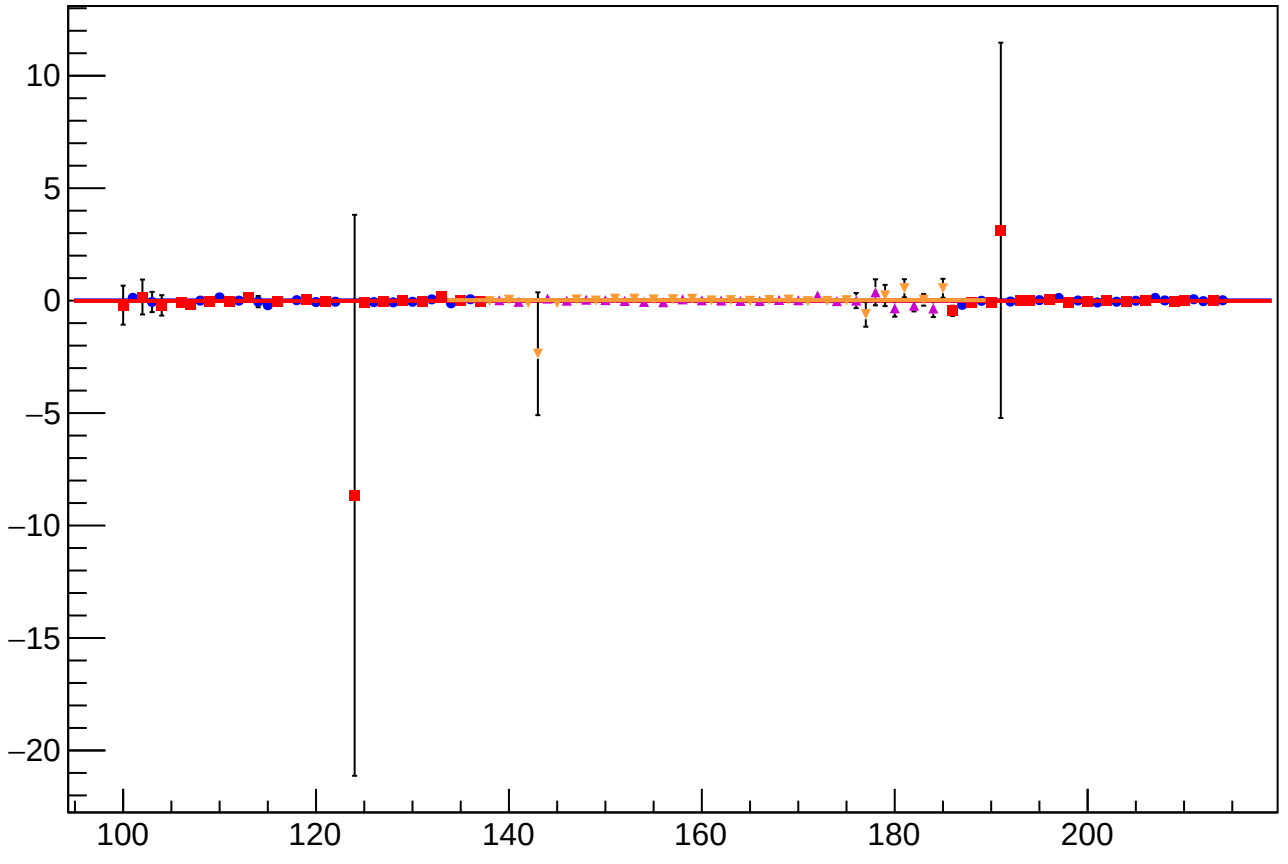
Right Out: 0.000+/-0.000 χ^2/NDF: 6905666.6/33

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14129255.4/54

All: 0.000+/-0.000 χ^2/NDF: 27456476.7/111

- sign 0.000+/-0.000 χ^2/NDF: 13055719.3/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

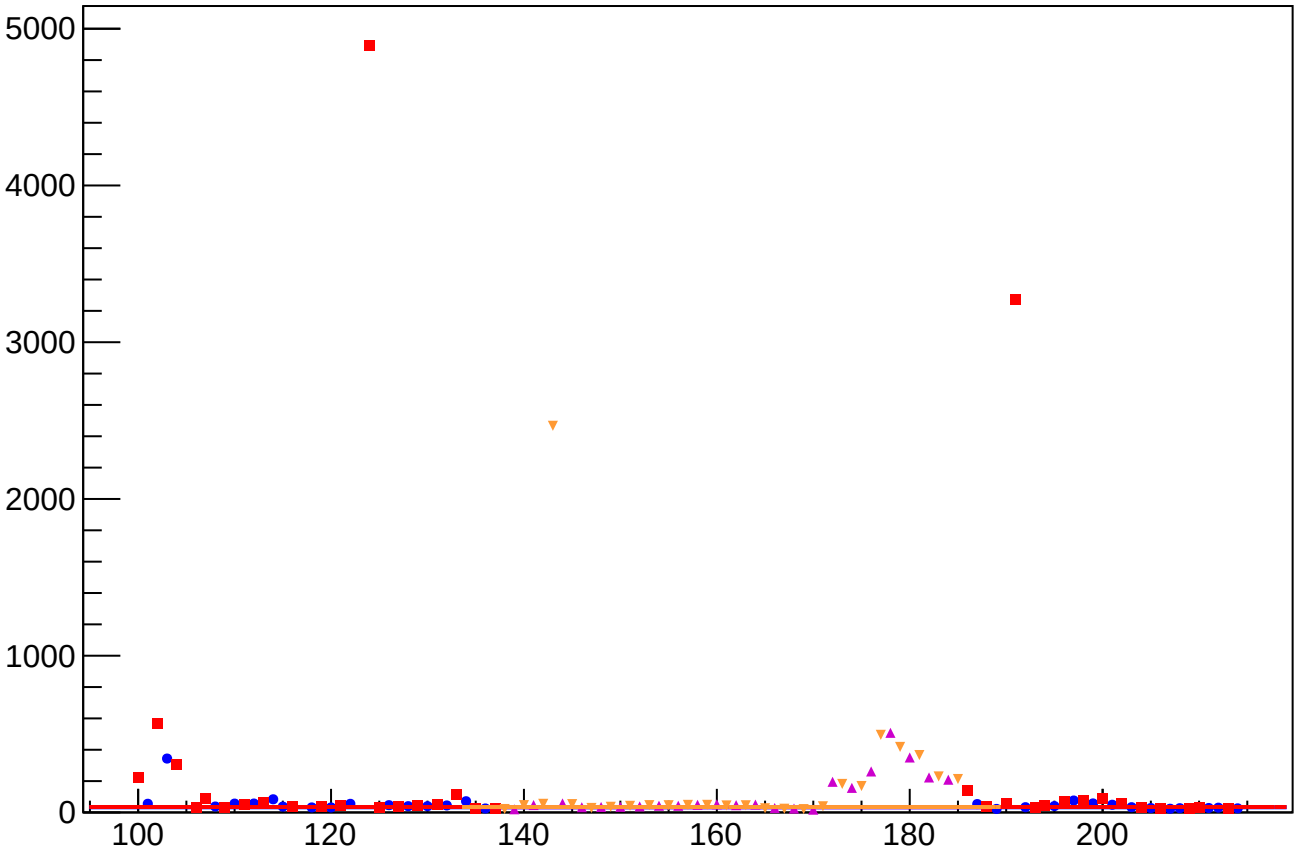
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 113.9/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.986+/-0.006 χ^2/NDF: 3732139.5/29

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

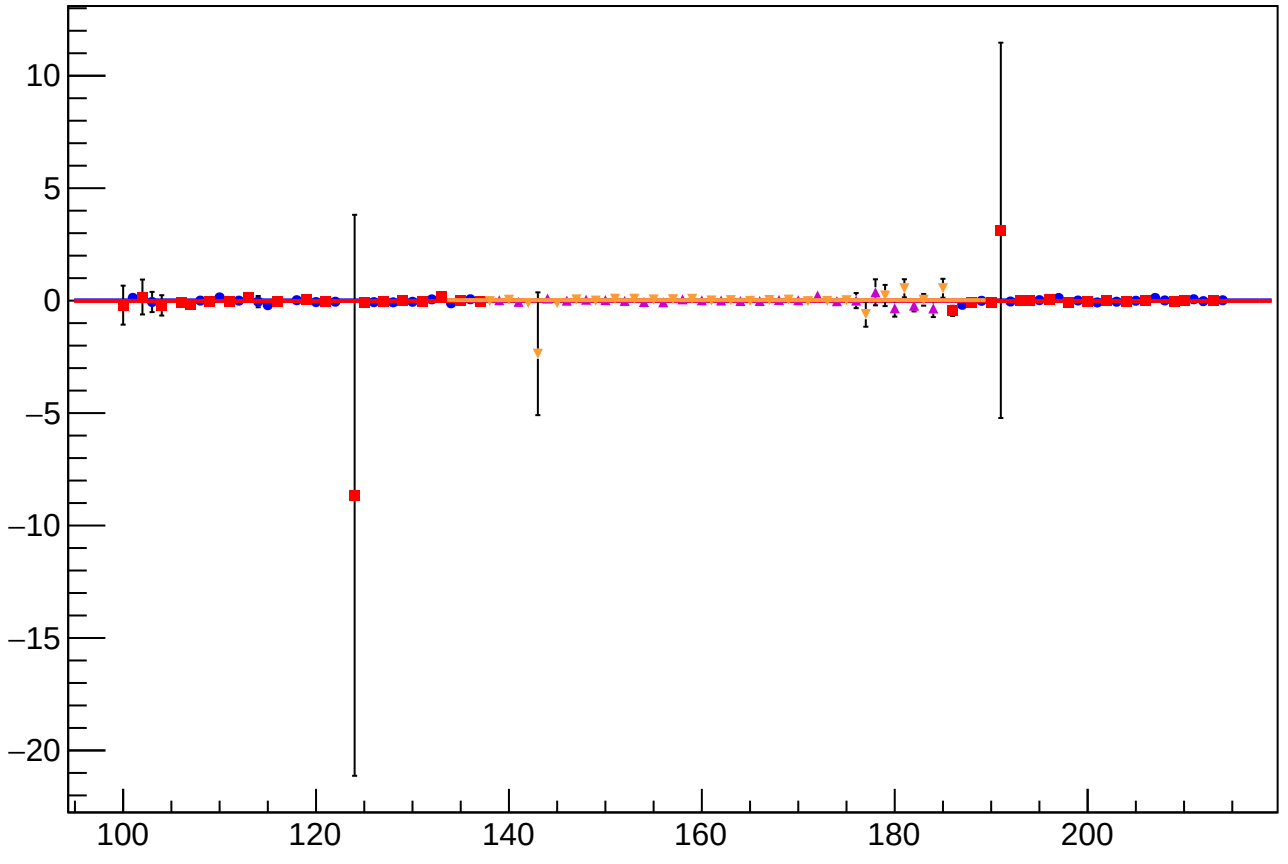
Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.694+/-0.005 χ^2/NDF: 15163816.4/54

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

- sign 34.234+/-0.005 χ^2/NDF: 16567782.1/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

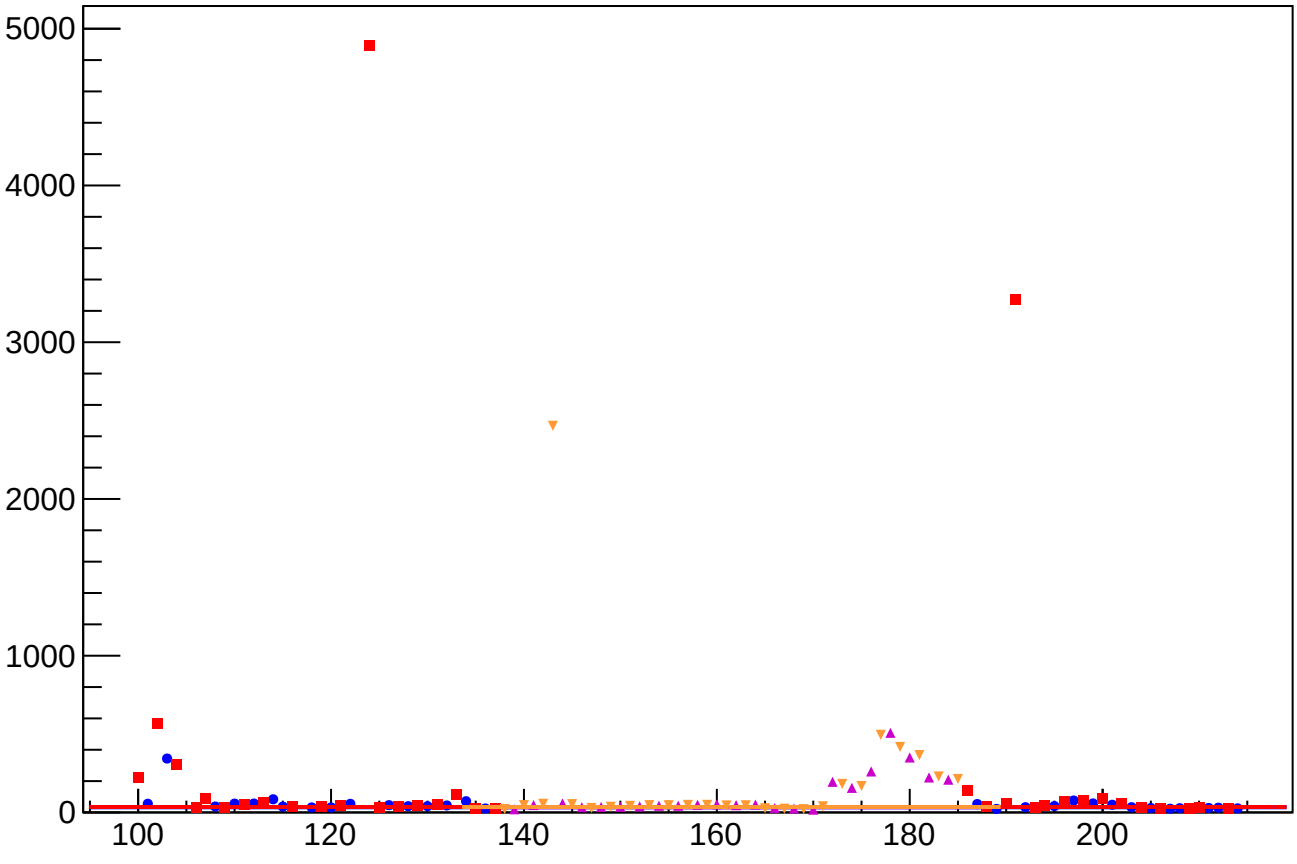
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 113.9/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.986+/-0.006 χ^2/NDF: 3732139.5/29

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

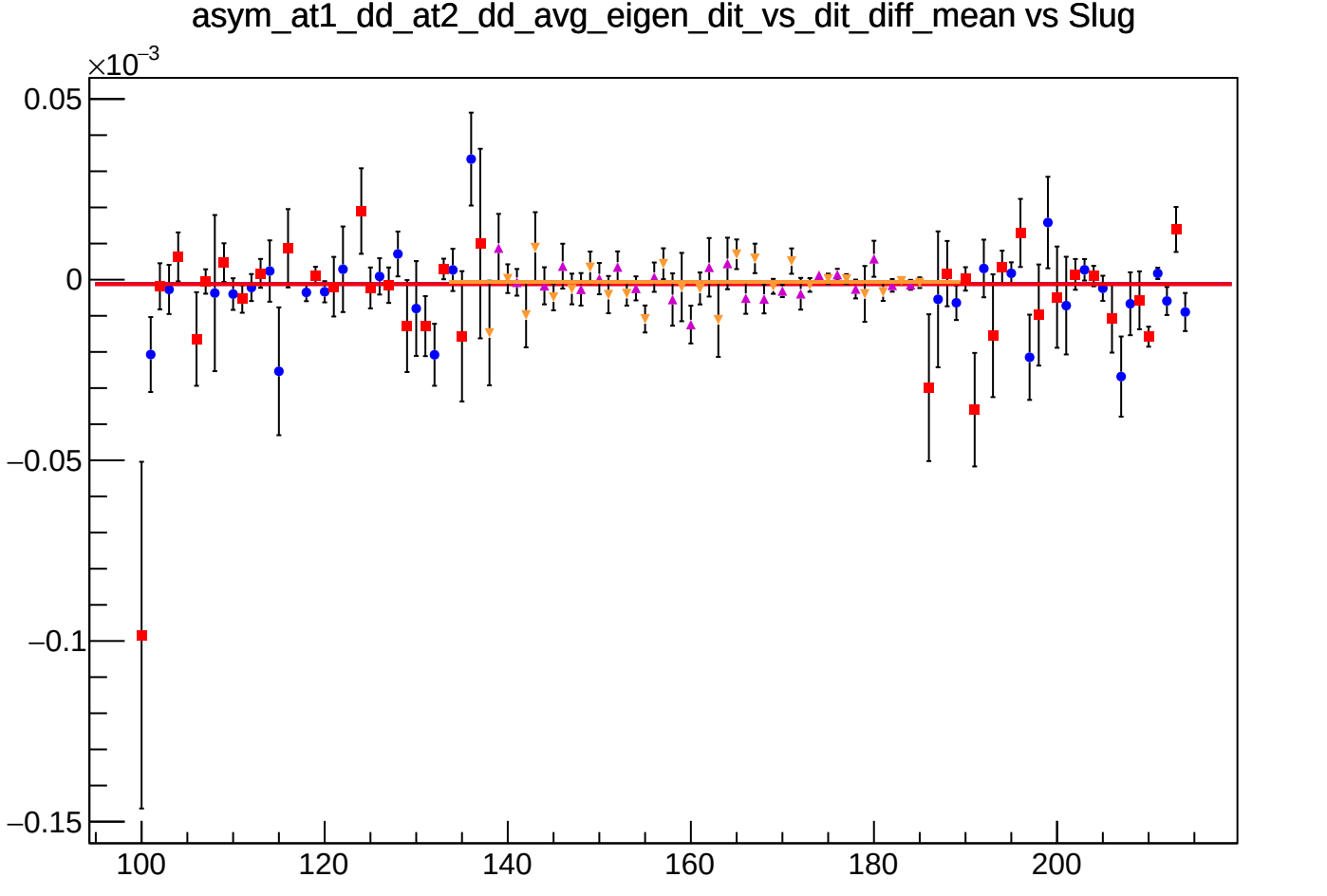
Right Out: 34.838+/-0.007 χ^2/NDF: 6484133.8/33

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 33.694+/-0.005 χ^2/NDF: 15163816.4/54

All: 33.956+/-0.003 χ^2/NDF: 31737867.9/111

- sign 34.234+/-0.005 χ^2/NDF: 16567782.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 45.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

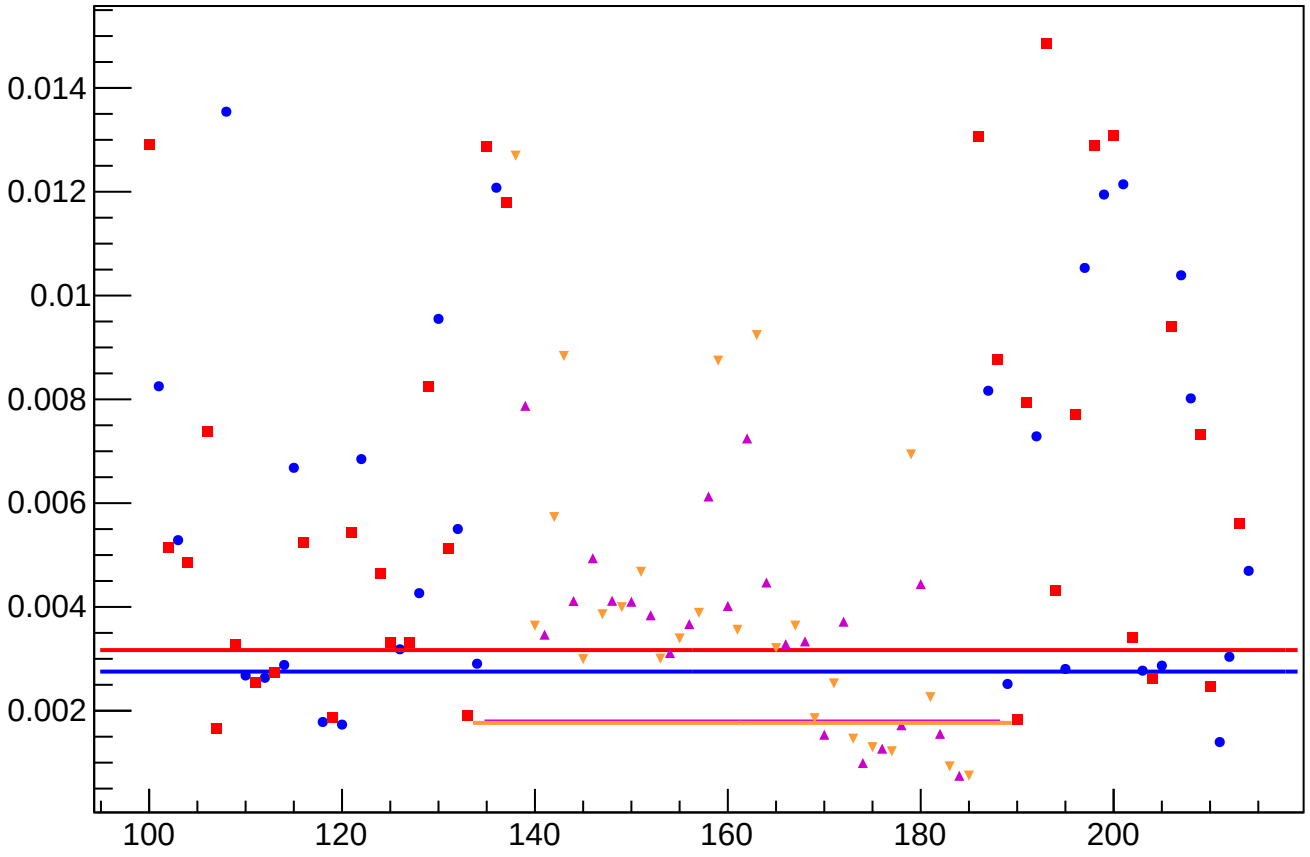
Right Out: -0.000+/-0.000 χ^2/NDF: 67.7/33

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.7/54

All: -0.000+/-0.000 χ^2/NDF: 163.7/111

- sign -0.000+/-0.000 χ^2/NDF: 89.9/56



Right In: 0.003+/-0.000 χ^2/NDF: 11326853.7/29

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

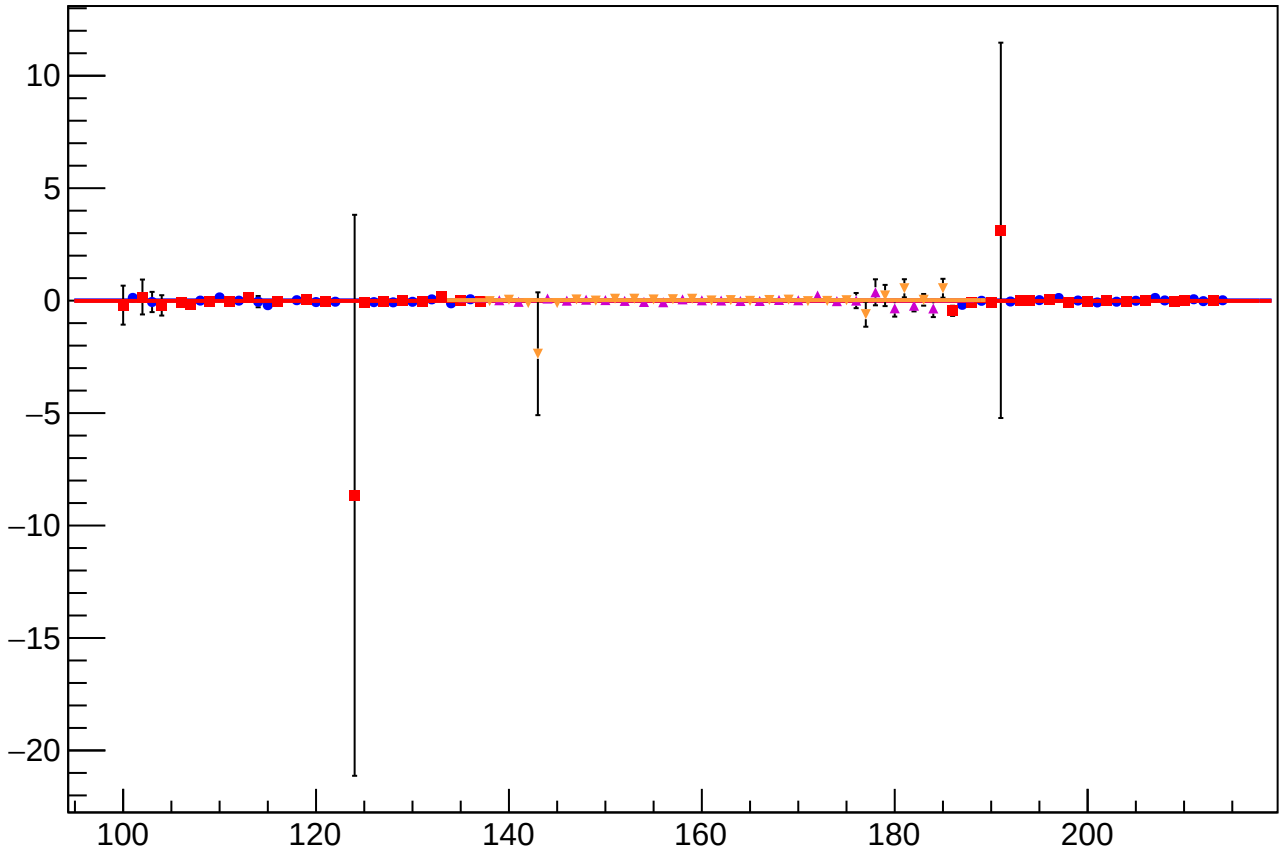
Right Out: 0.003+/-0.000 χ^2/NDF: 10731244.7/33

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 26352469.0/54

All: 0.002+/-0.000 χ^2/NDF: 51426954.8/111

- sign 0.002+/-0.000 χ^2/NDF: 24996218.5/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

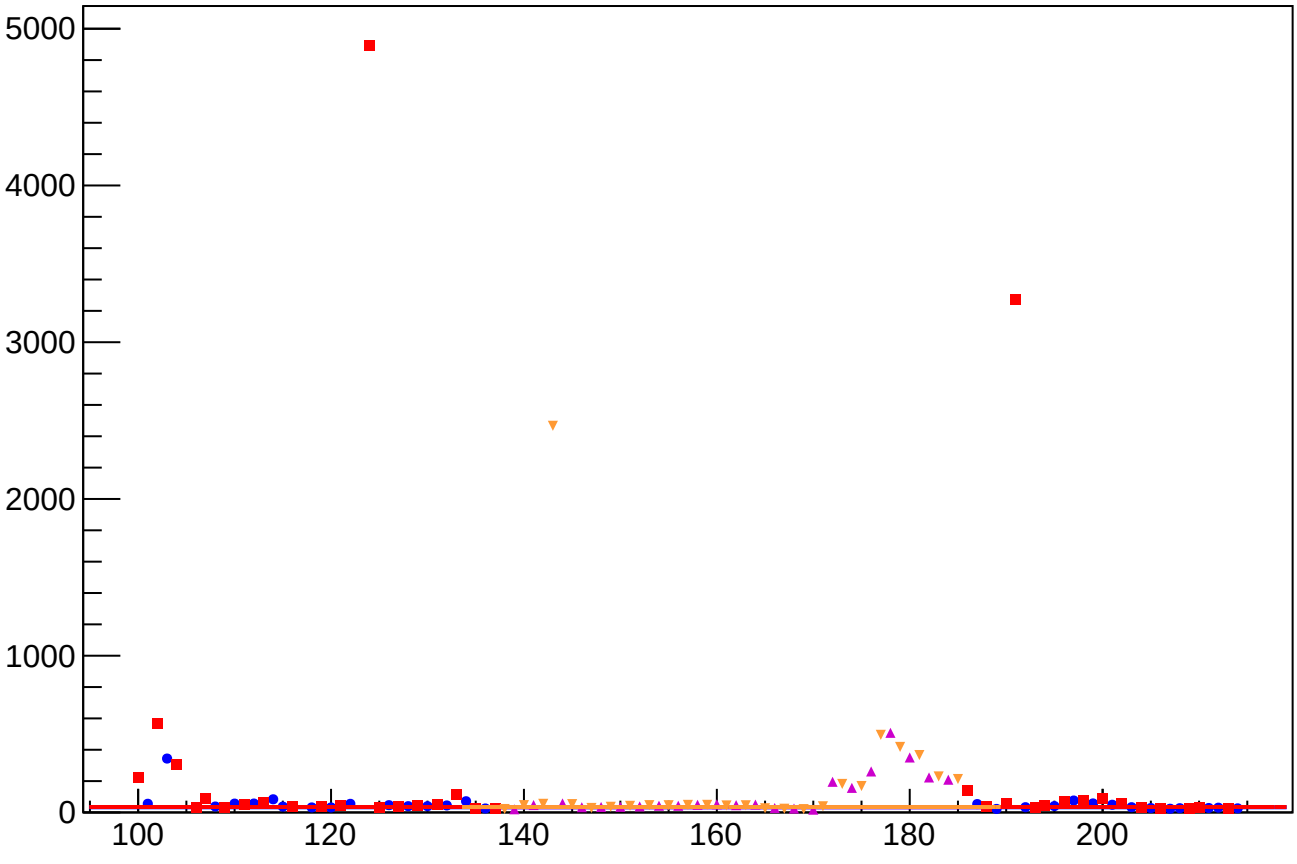
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 114.0/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.988+/-0.006 χ^2/NDF: 3730891.6/29

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

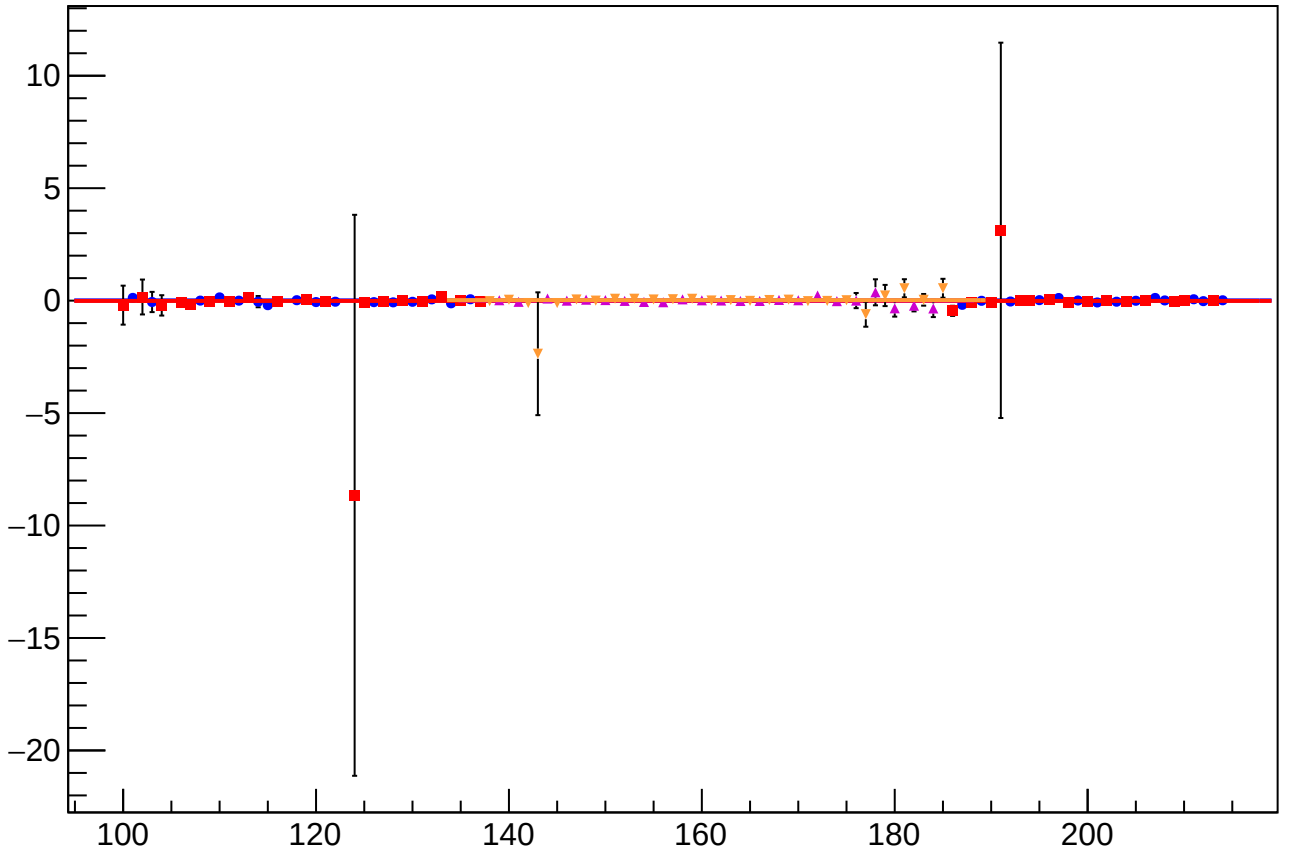
Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.696+/-0.005 χ^2/NDF: 15162549.9/54

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

- sign 34.235+/-0.005 χ^2/NDF: 16566411.8/56



Right In: 0.011+/-0.009 χ^2/NDF: 45.0/29

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

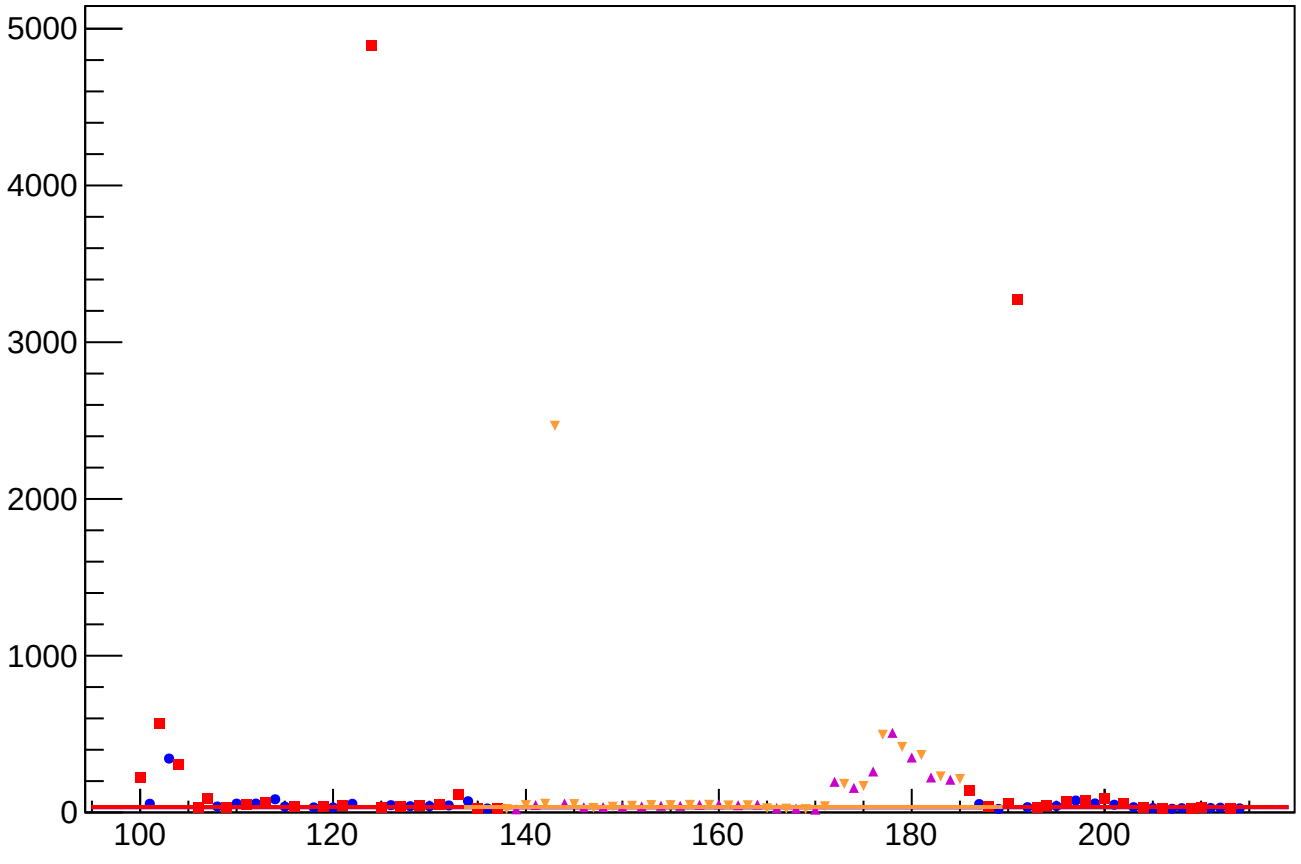
Right Out: -0.013+/-0.010 χ^2/NDF: 24.1/33

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.016+/-0.007 χ^2/NDF: 68.7/54

All: 0.007+/-0.005 χ^2/NDF: 114.0/111

- sign -0.002+/-0.007 χ^2/NDF: 41.6/56



Right In: 32.988+/-0.006 χ^2/NDF: 3730891.6/29

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

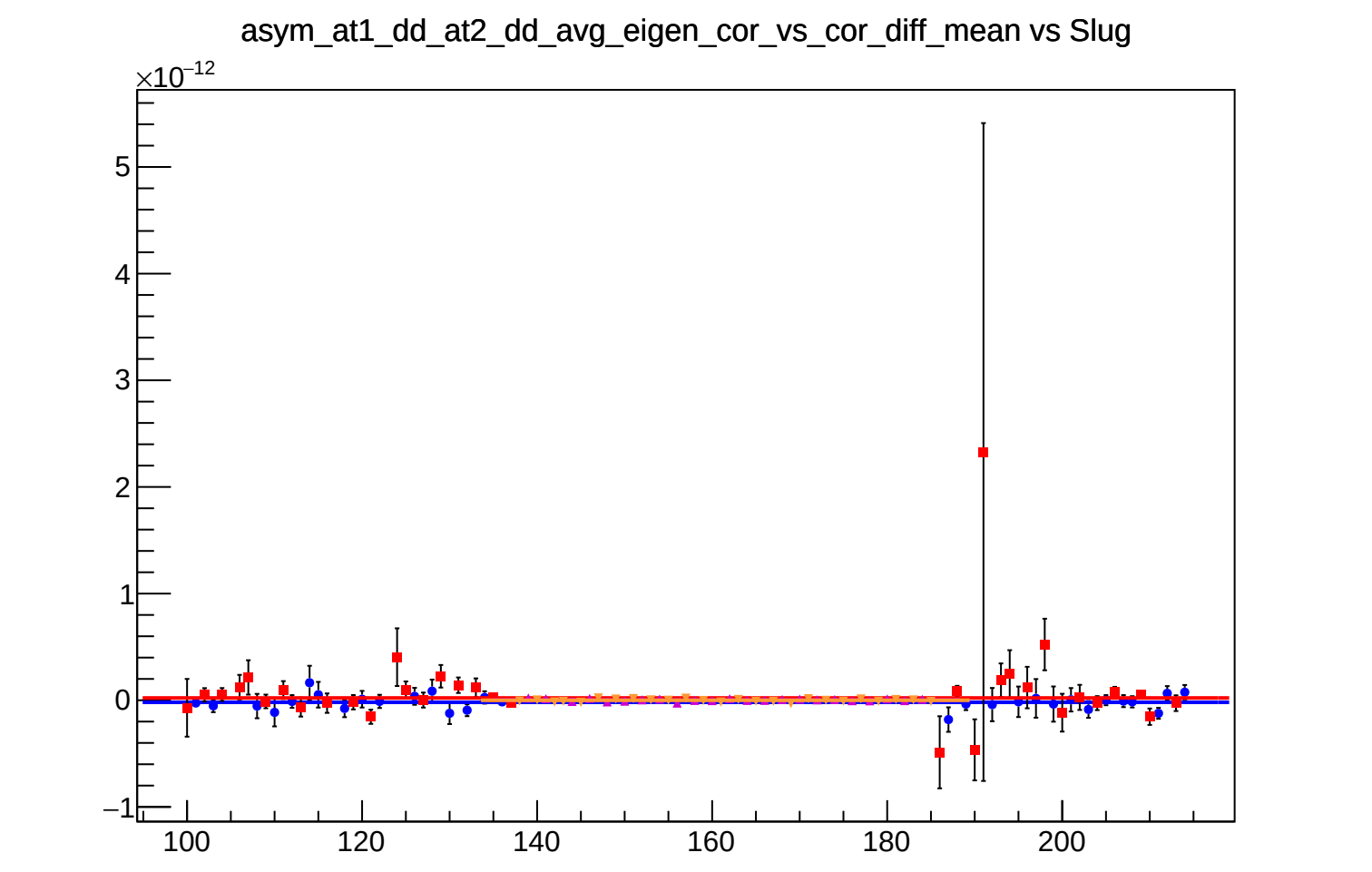
Right Out: 34.838+/-0.007 χ^2/NDF: 6484085.5/33

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 33.696+/-0.005 χ^2/NDF: 15162549.9/54

All: 33.957+/-0.003 χ^2/NDF: 31735232.9/111

- sign 34.235+/-0.005 χ^2/NDF: 16566411.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

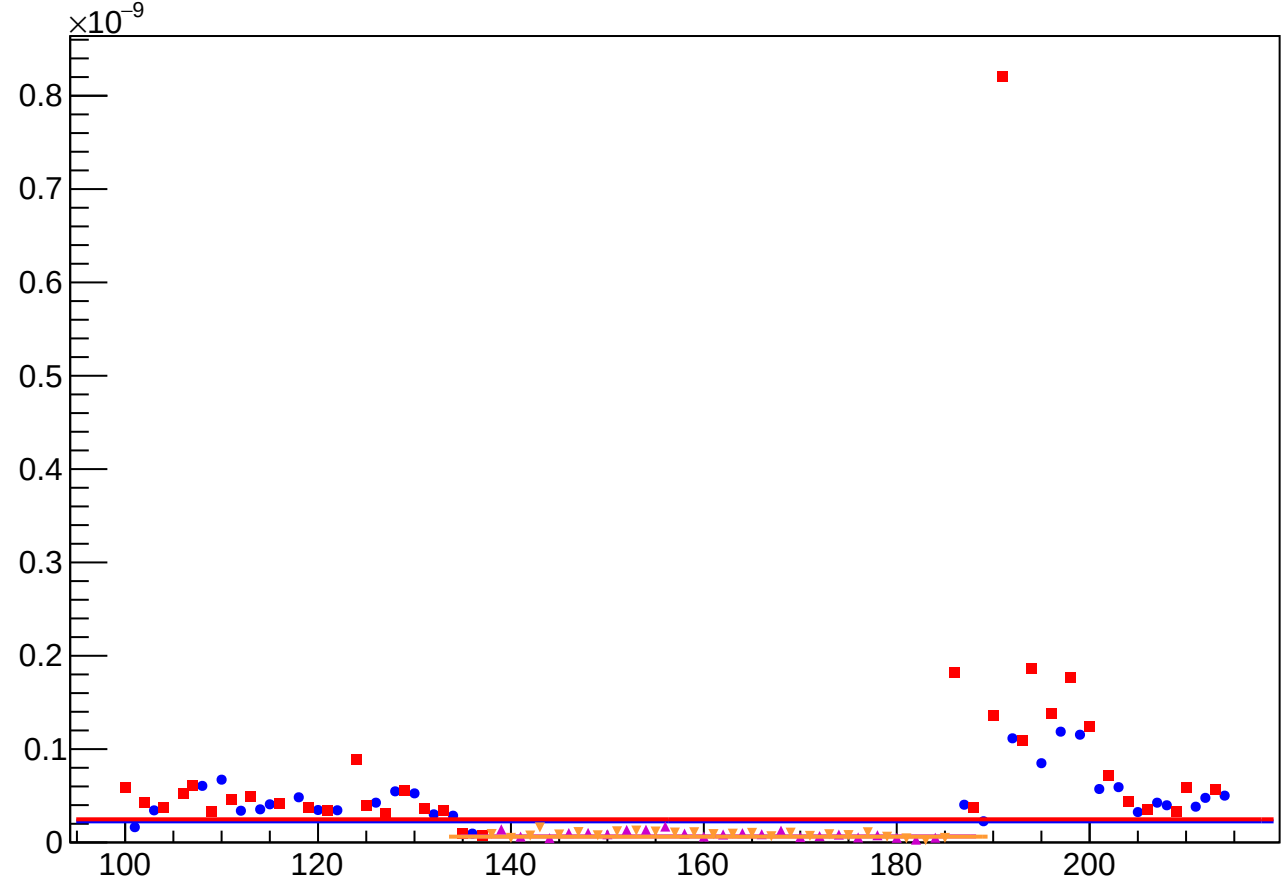
Right Out: 0.000+/-0.000 χ^2/NDF: 50.6/33

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.6/54

All: 0.000+/-0.000 χ^2/NDF: 126.1/111

- sign 0.000+/-0.000 χ^2/NDF: 74.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8115394.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10494220.0/33

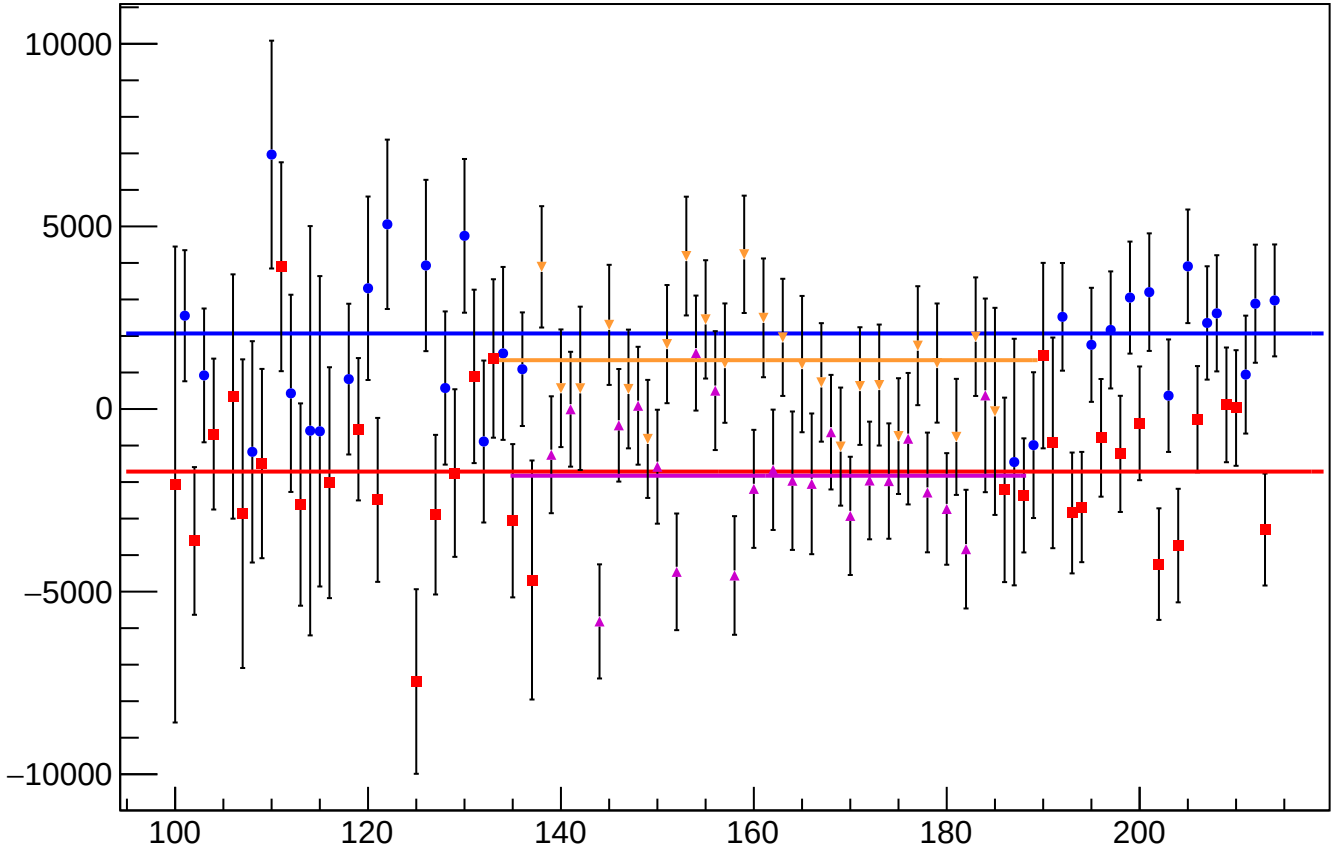
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 19796616.6/54

All: 0.000+/-0.000 χ^2/NDF: 41022461.9/111

- sign 0.000+/-0.000 χ^2/NDF: 21205226.3/56

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 2068.982+/-347.101 χ^2/NDF: 20.7/29

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1712.894+/-347.898 χ^2/NDF: 28.9/32

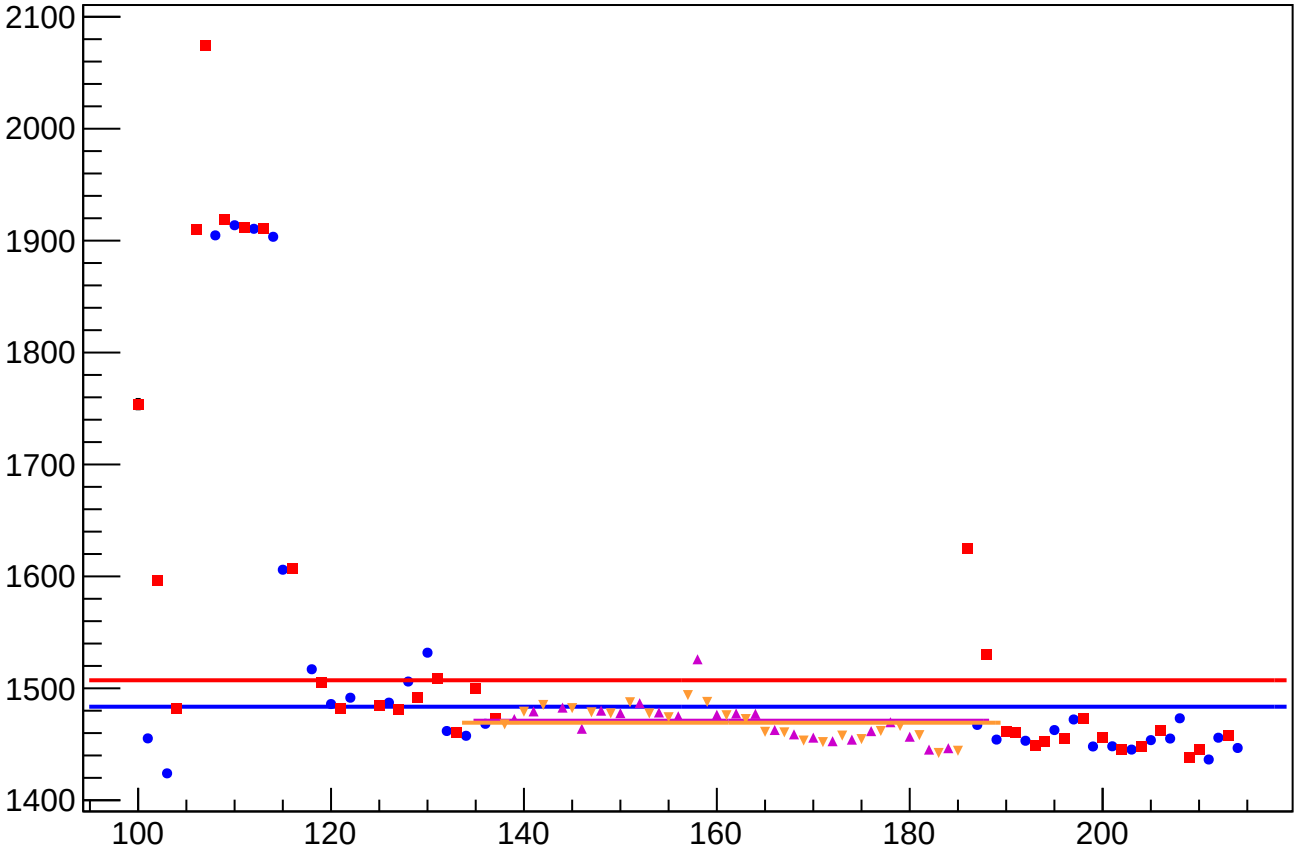
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1696.520+/-243.256 χ^2/NDF: 42.1/53

All: -28.666+/-172.420 χ^2/NDF: 198.6/109

- sign -1770.472+/-244.425 χ^2/NDF: 55.4/55

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1483.564+/-0.245 χ^2/NDF: 154677.5/29

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1507.191+/-0.246 χ^2/NDF: 242434.7/32

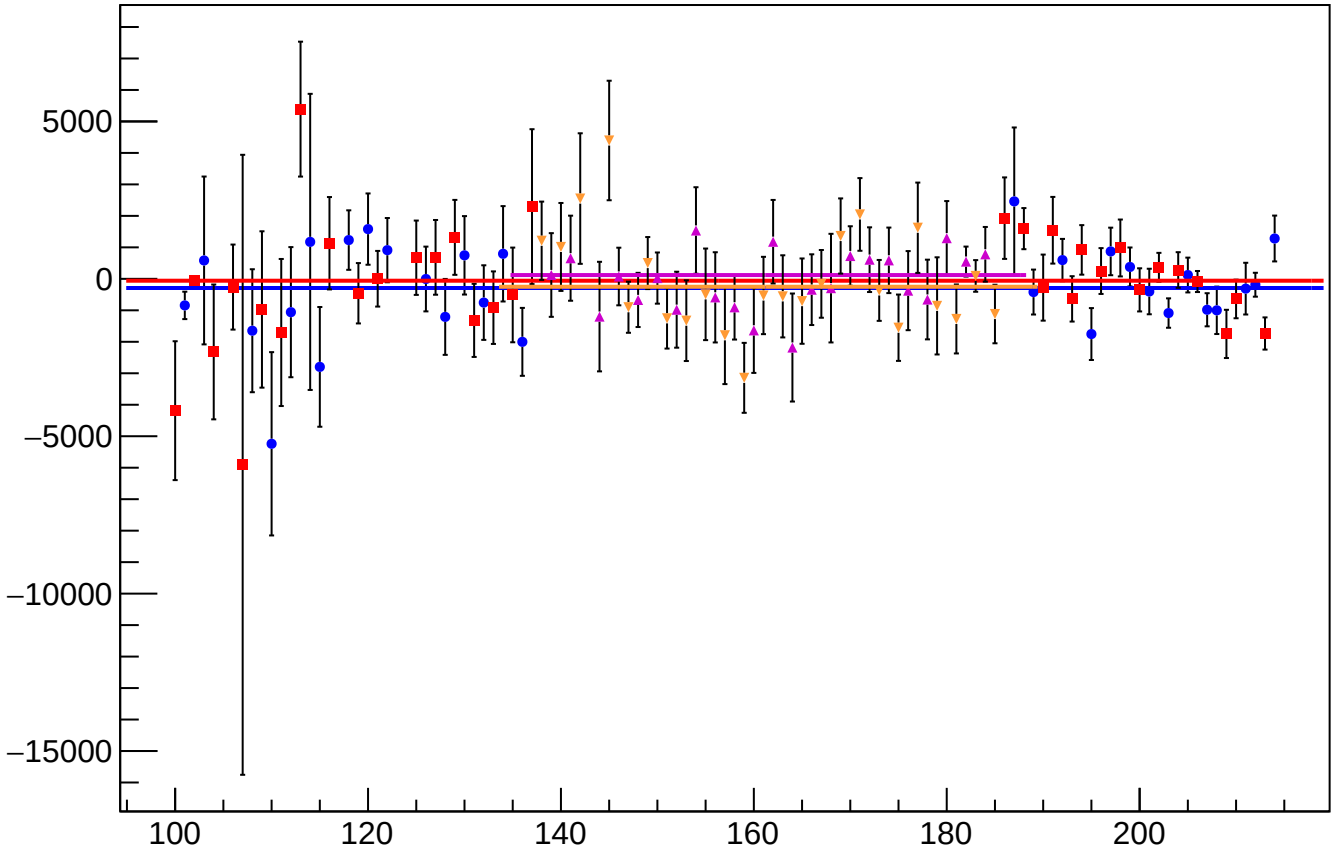
Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1476.289+/-0.172 χ^2/NDF: 159559.6/53

All: 1482.560+/-0.122 χ^2/NDF: 420235.0/109

- sign 1488.891+/-0.173 χ^2/NDF: 258004.2/55

asym_usl_atl1_avg_reg_correction_mean vs Slug



Right In: -291.115+/-142.648 χ^2/NDF: 39.0/29

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -59.645+/-100.079 χ^2/NDF: 50.5/32

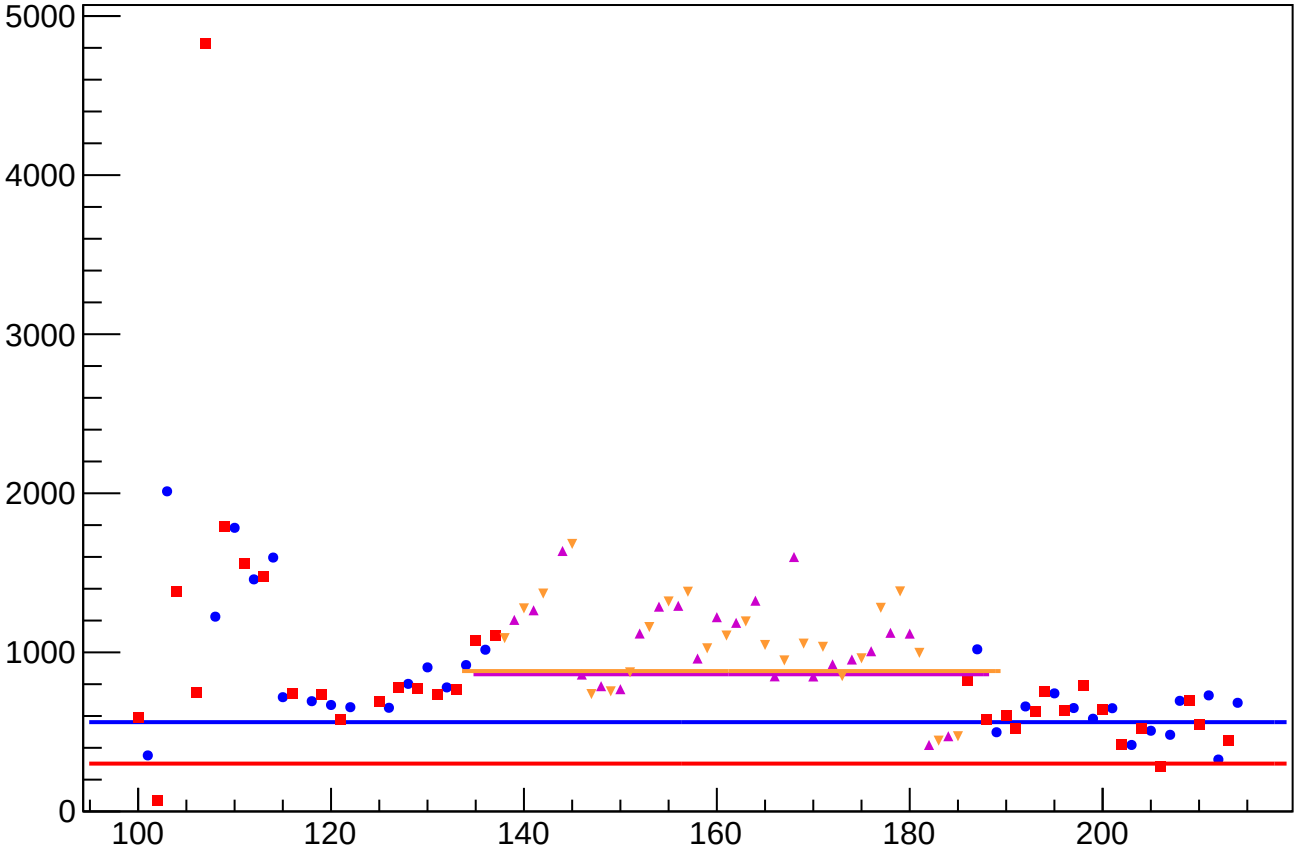
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -279.300+/-119.425 χ^2/NDF: 71.7/53

All: -120.012+/-72.283 χ^2/NDF: 138.4/109

- sign -27.925+/-90.804 χ^2/NDF: 63.9/55

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 561.402+/-0.101 χ^2/NDF: 4495562.6/29

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 300.779+/-0.071 χ^2/NDF: 16700412.1/32

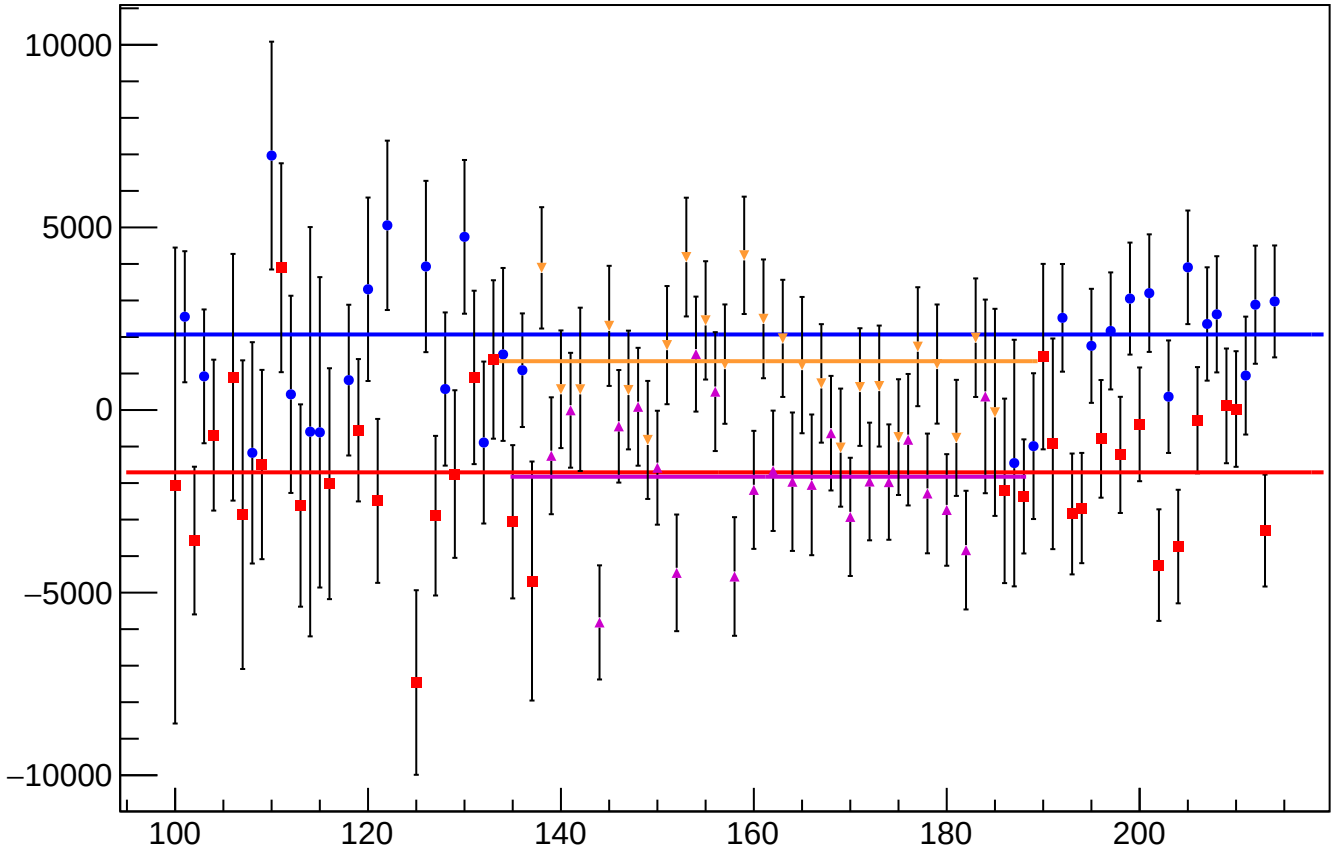
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 657.419+/-0.084 χ^2/NDF: 11426497.3/53

All: 494.325+/-0.051 χ^2/NDF: 49512346.4/10

- sign 400.036+/-0.064 χ^2/NDF: 32199314.5/55

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2069.065+/-347.101 χ^2/NDF: 20.7/29

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1706.298+/-347.935 χ^2/NDF: 29.1/32

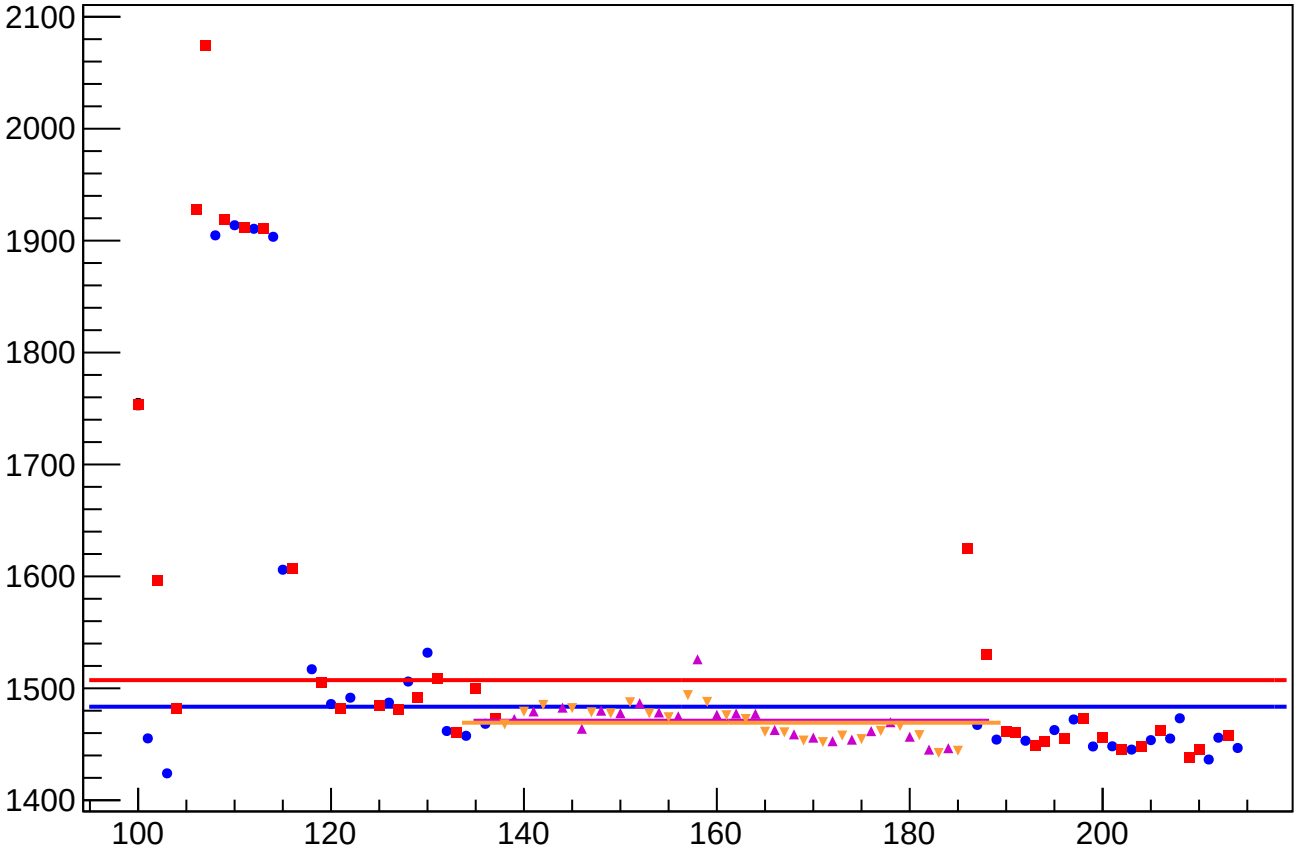
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1696.565+/-243.256 χ^2/NDF: 42.1/53

All: -26.946+/-172.424 χ^2/NDF: 198.6/109

- sign -1767.246+/-244.438 χ^2/NDF: 55.6/55

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1483.564+/-0.245 χ^2/NDF: 154677.5/29

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

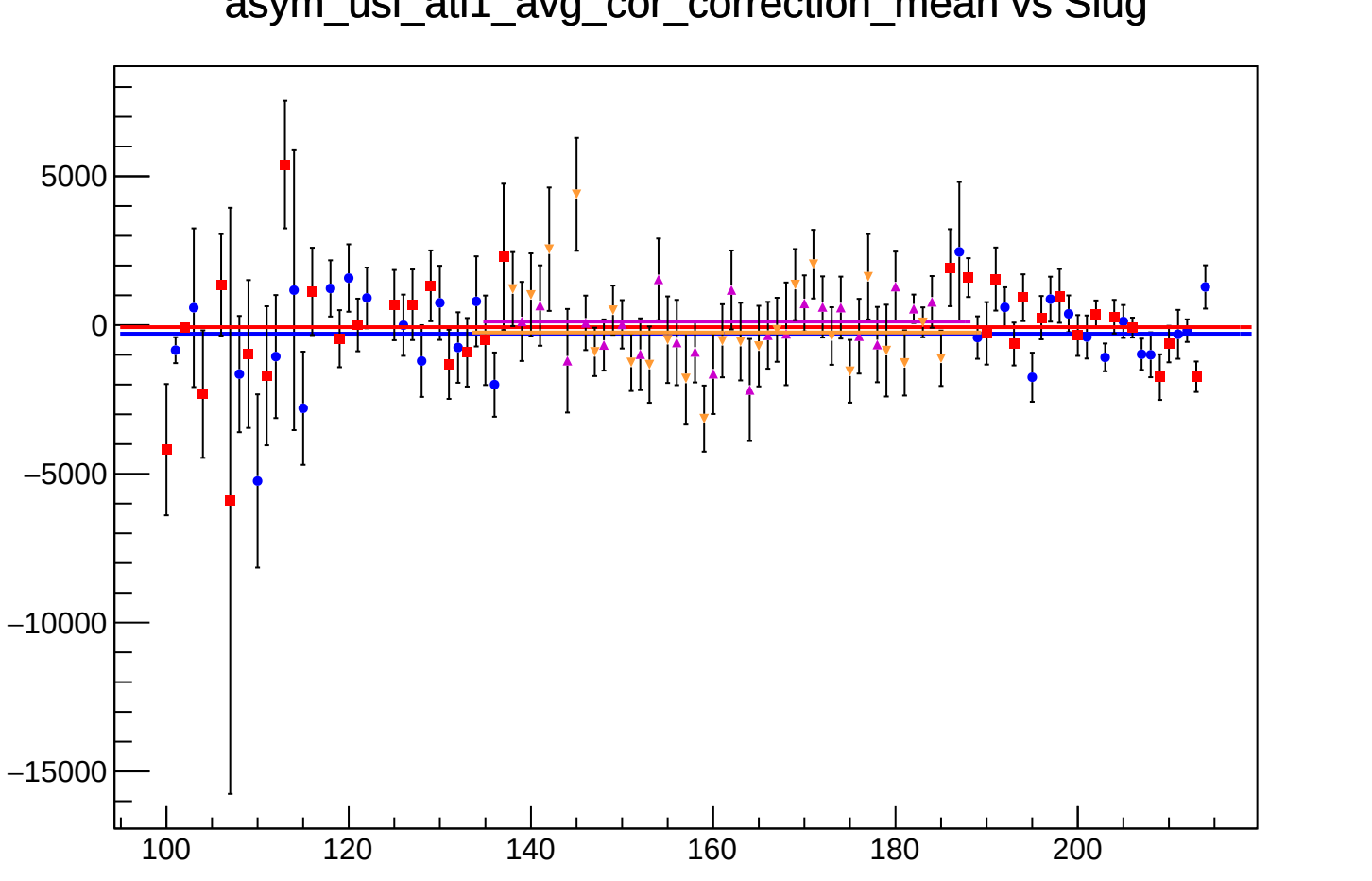
Right Out: 1507.307+/-0.246 χ^2/NDF: 244546.6/32

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1476.289+/-0.172 χ^2/NDF: 159559.6/53

All: 1482.587+/-0.122 χ^2/NDF: 422439.9/109

- sign 1488.947+/-0.173 χ^2/NDF: 260185.6/55



Right In: -291.125+/-142.645 χ^2/NDF: 39.0/29

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -69.281+/-104.872 χ^2/NDF: 51.2/32

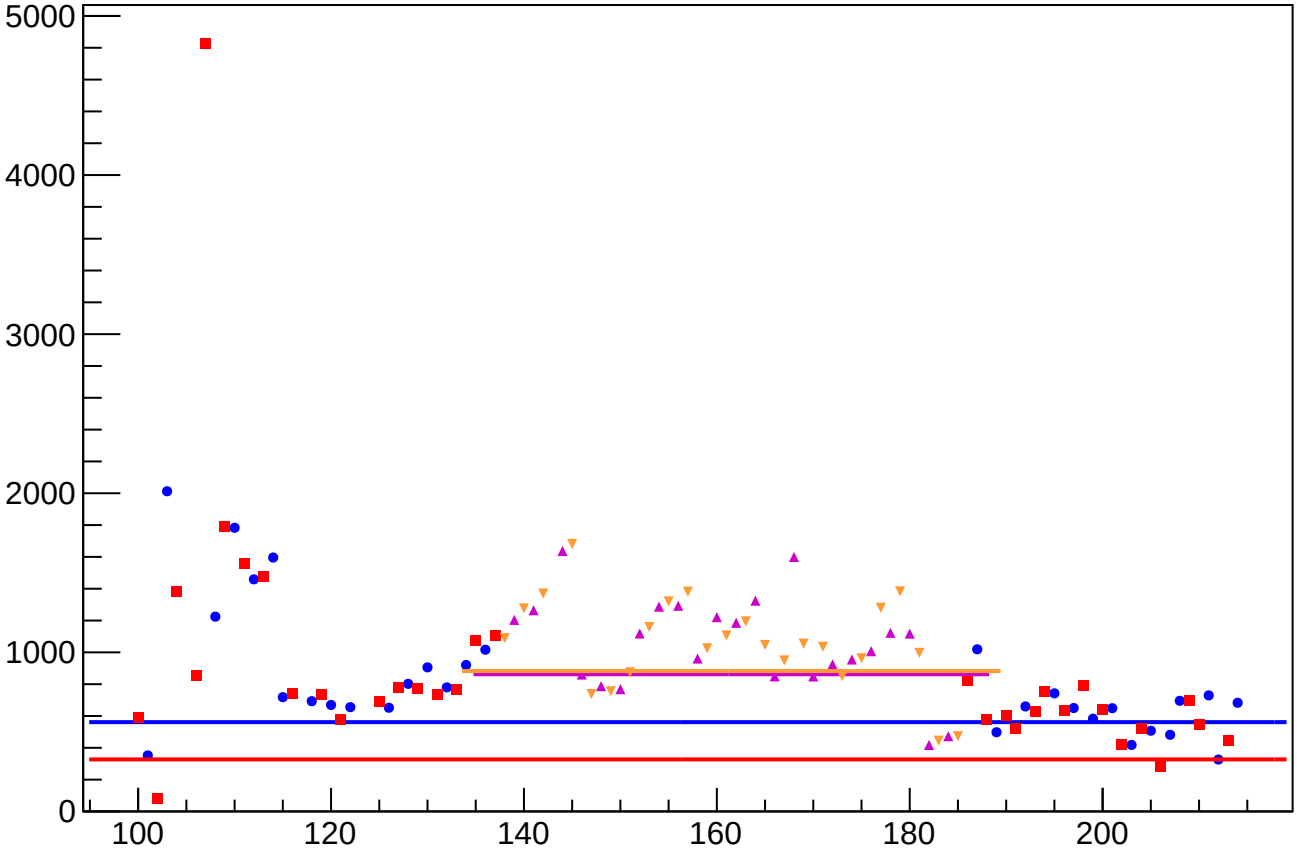
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -279.300+/-119.423 χ^2/NDF: 71.7/53

All: -127.761+/-74.028 χ^2/NDF: 139.0/109

- sign -33.197+/-94.339 χ^2/NDF: 64.7/55

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 561.385+/-0.101 χ^2/NDF: 4496113.2/29

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 327.217+/-0.074 χ^2/NDF: 15232004.6/32

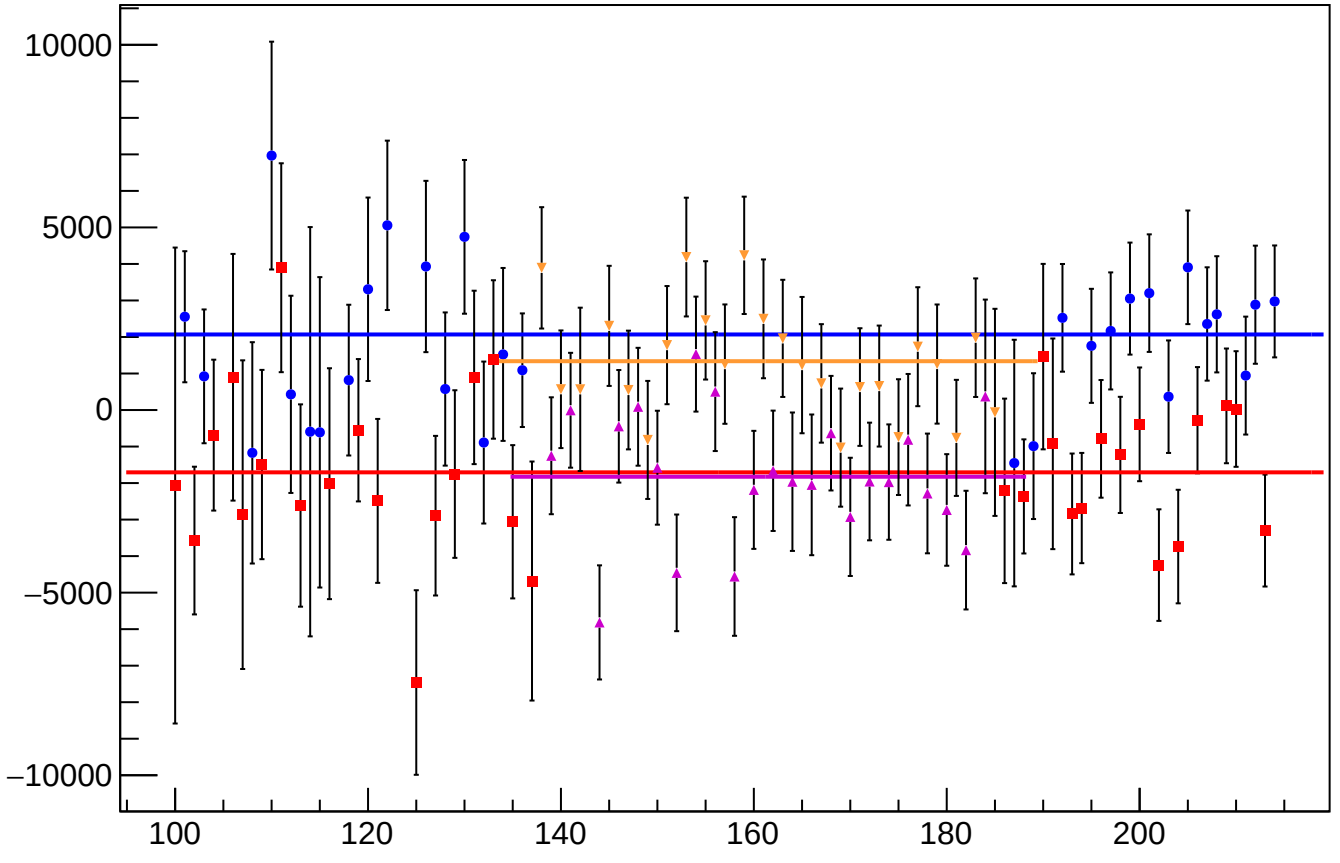
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 657.403+/-0.084 χ^2/NDF: 11427560.4/53

All: 516.953+/-0.052 χ^2/NDF: 45455384.7/10

- sign 429.309+/-0.067 χ^2/NDF: 29535340.6/55

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 2069.065+/-347.101 χ^2/NDF: 20.7/29

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1706.298+/-347.935 χ^2/NDF: 29.1/32

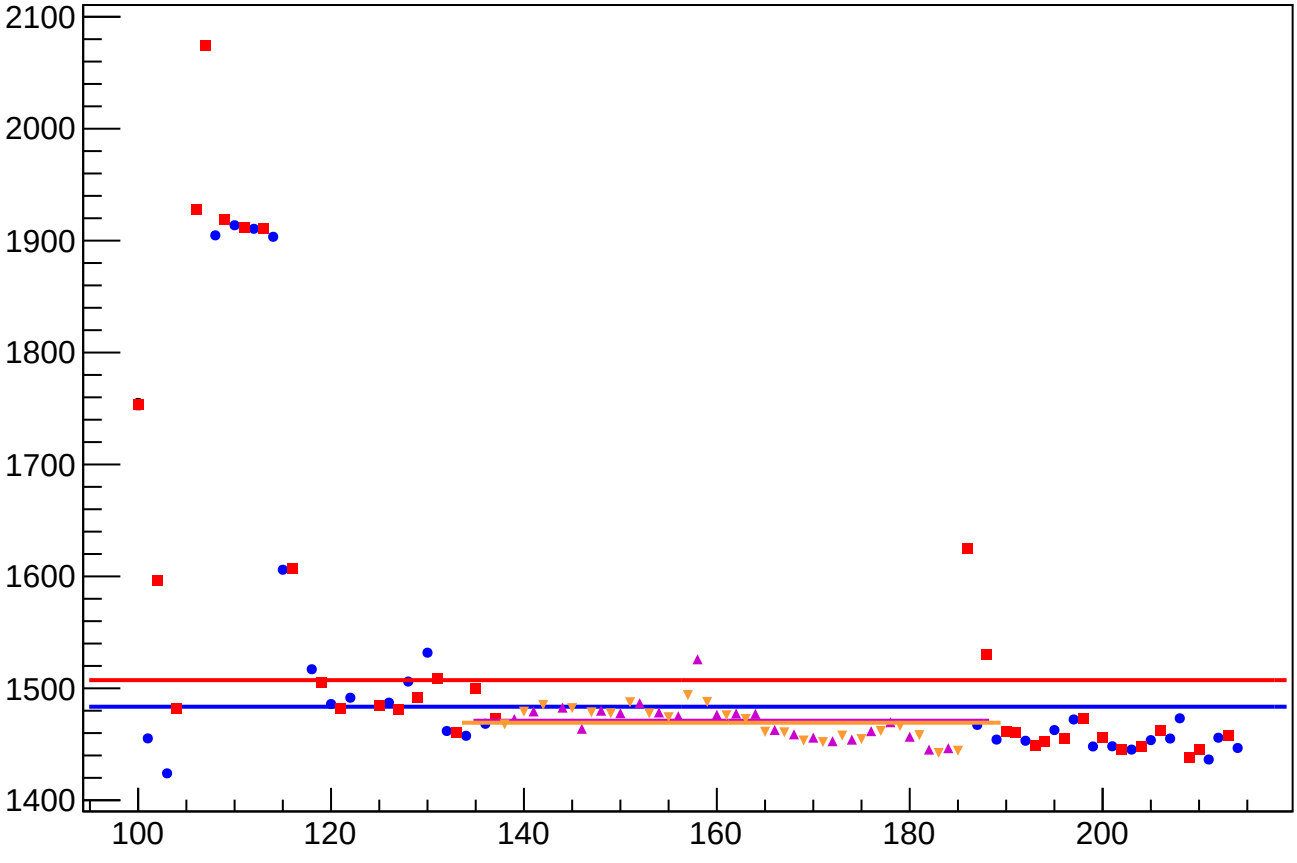
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1696.565+/-243.256 χ^2/NDF: 42.1/53

All: -26.946+/-172.424 χ^2/NDF: 198.6/109

- sign -1767.246+/-244.438 χ^2/NDF: 55.6/55

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1483.564+/-0.245 χ^2/NDF: 154677.5/29

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

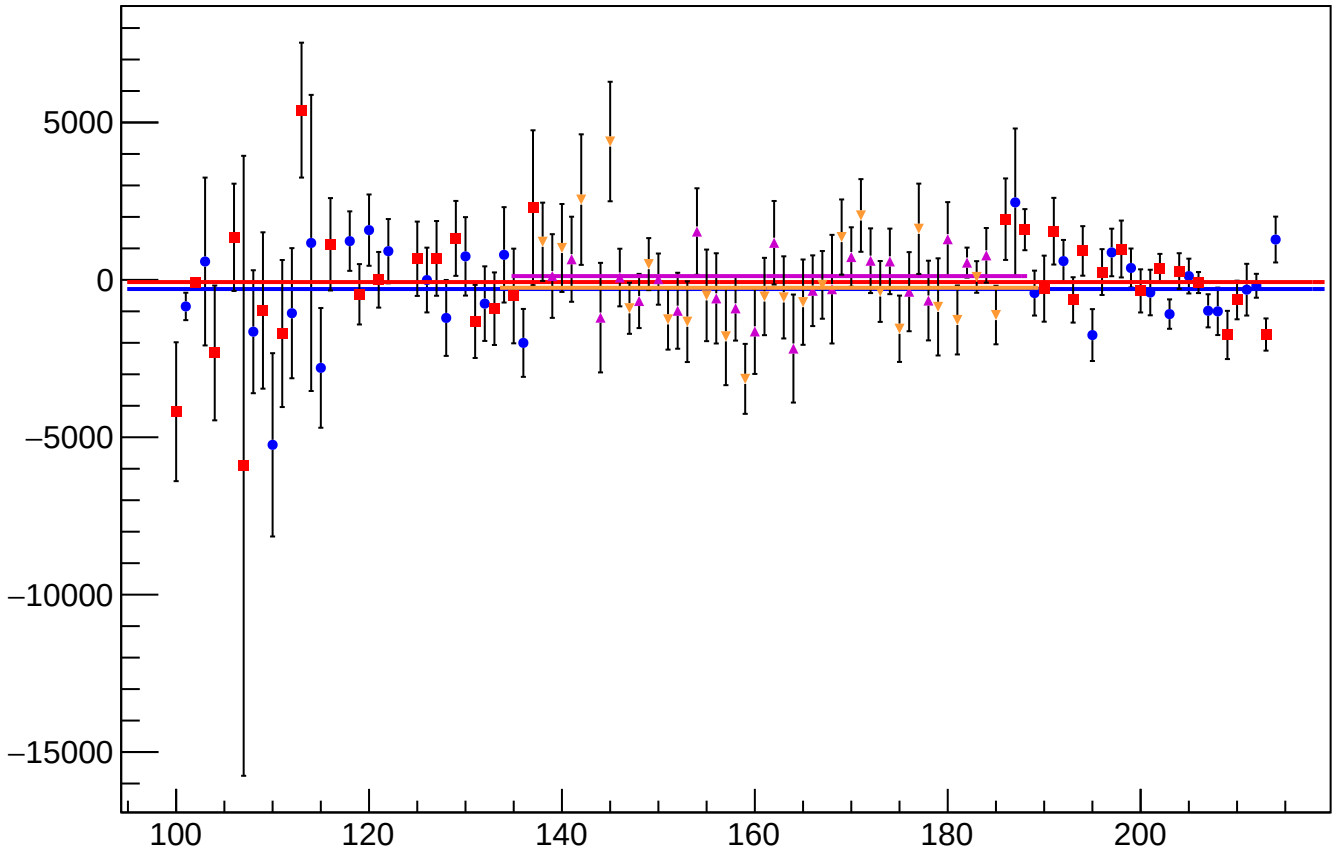
Right Out: 1507.307+/-0.246 χ^2/NDF: 244546.6/32

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1476.289+/-0.172 χ^2/NDF: 159559.6/53

All: 1482.587+/-0.122 χ^2/NDF: 422439.9/109

- sign 1488.947+/-0.173 χ^2/NDF: 260185.6/55



Right In: -291.125+/-142.645 χ^2/NDF: 39.0/29

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -69.281+/-104.872 χ^2/NDF: 51.2/32

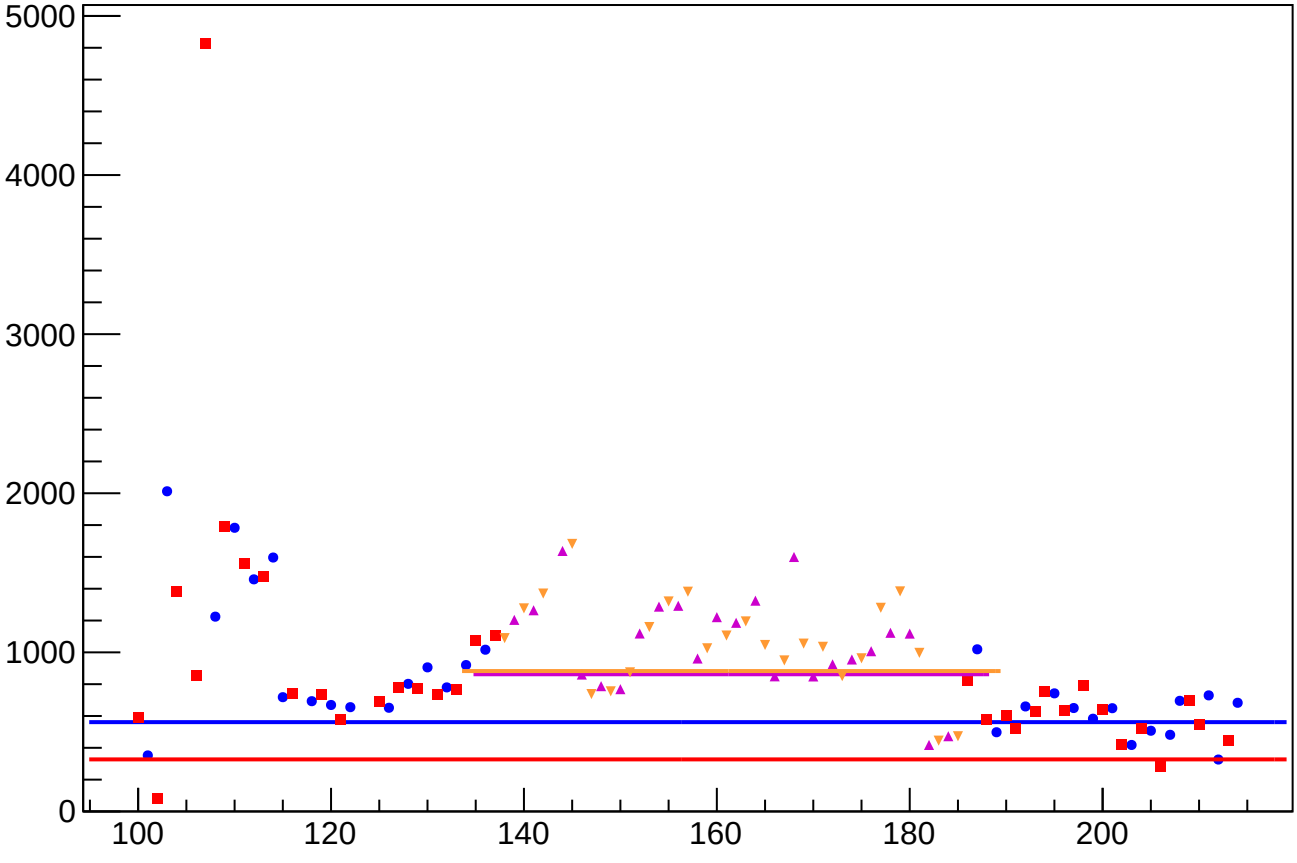
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -279.300+/-119.423 χ^2/NDF: 71.7/53

All: -127.761+/-74.028 χ^2/NDF: 139.0/109

- sign -33.197+/-94.339 χ^2/NDF: 64.7/55

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 561.385+/-0.101 χ^2/NDF: 4496113.2/29

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 327.217+/-0.074 χ^2/NDF: 15232004.6/32

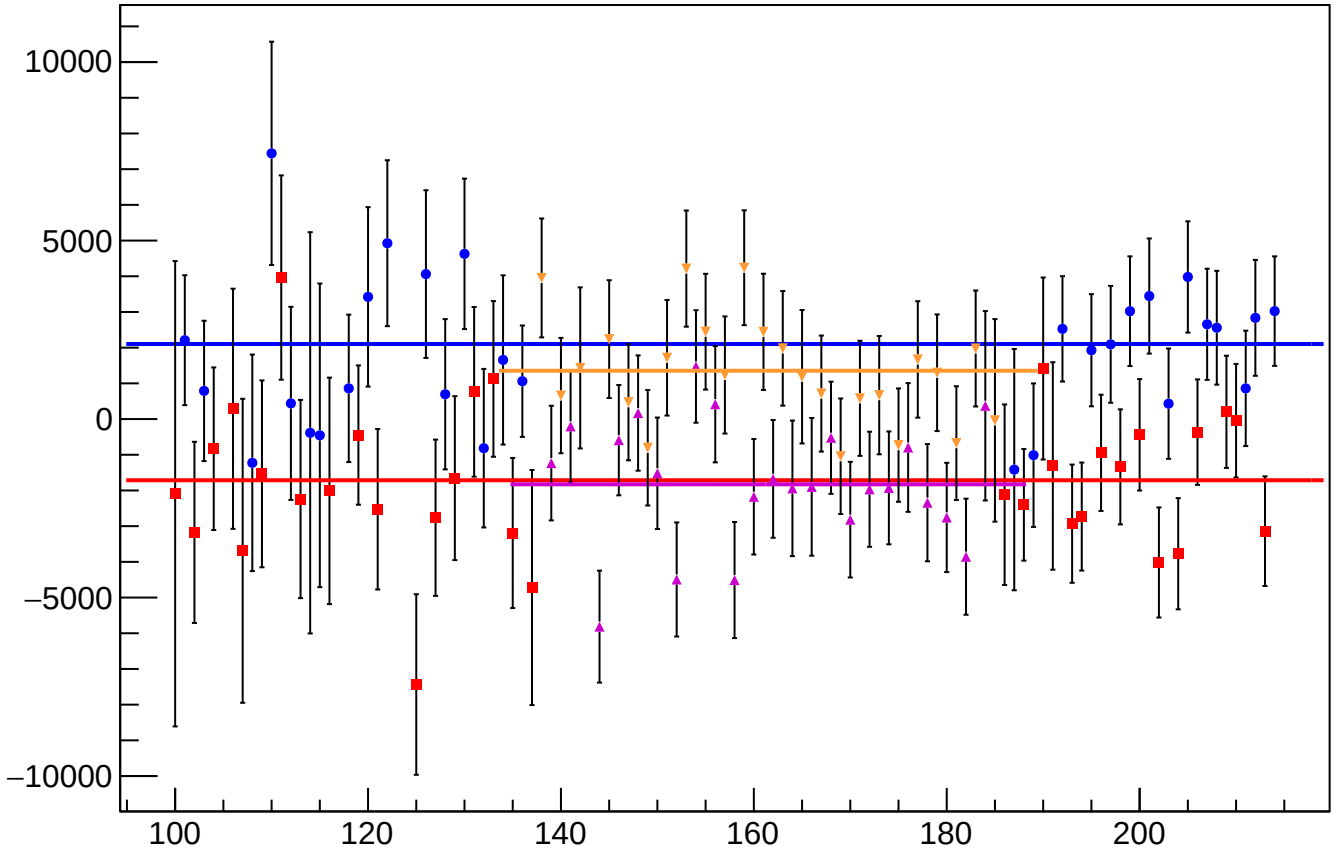
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 657.403+/-0.084 χ^2/NDF: 11427560.4/53

All: 516.953+/-0.052 χ^2/NDF: 45455384.7/10

- sign 429.309+/-0.067 χ^2/NDF: 29535340.6/55

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2102.297+/-349.160 χ^2/NDF: 21.0/29

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1713.747+/-352.223 χ^2/NDF: 27.0/32

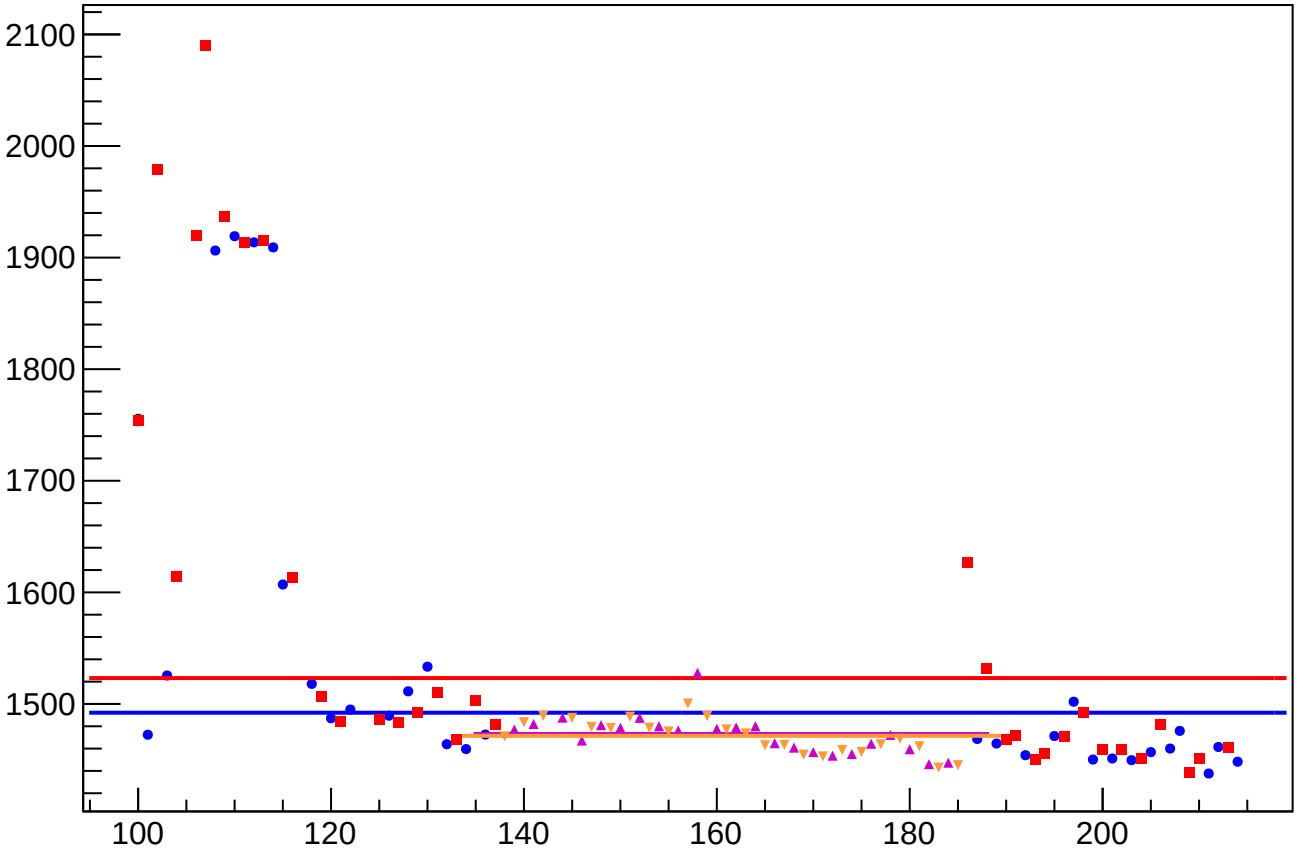
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1719.766+/-244.166 χ^2/NDF: 42.3/53

All: -12.638+/-173.325 χ^2/NDF: 196.7/109

- sign -1772.358+/-246.083 χ^2/NDF: 52.9/55

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1492.152+/-0.247 χ^2/NDF: 151965.7/29

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1523.204+/-0.249 χ^2/NDF: 307815.0/32

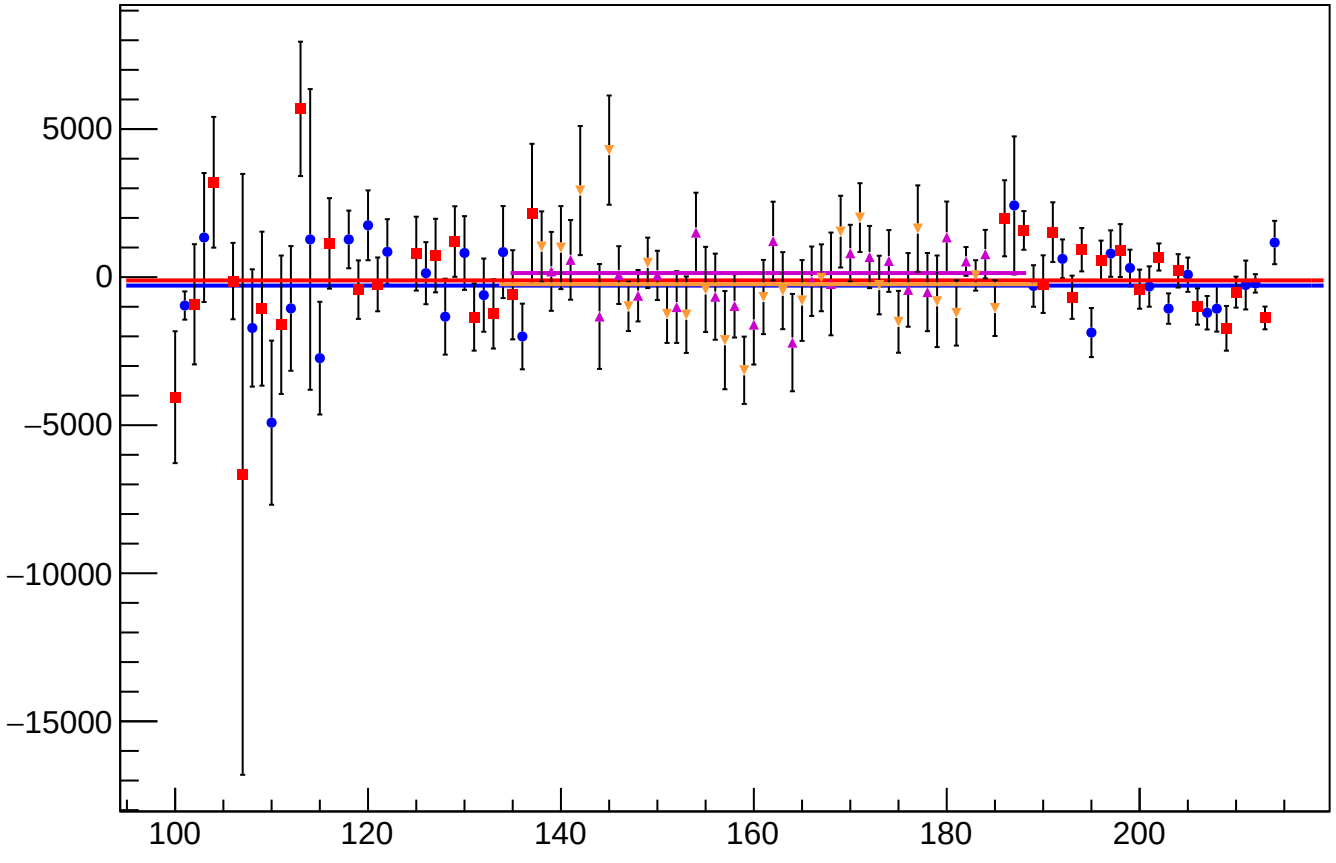
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1481.567+/-0.173 χ^2/NDF: 158999.9/53

All: 1489.486+/-0.123 χ^2/NDF: 496565.3/109

- sign 1497.530+/-0.174 χ^2/NDF: 333324.4/55

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -285.748+/-141.664 χ^2/NDF: 39.1/29

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -110.015+/-147.758 χ^2/NDF: 57.6/32

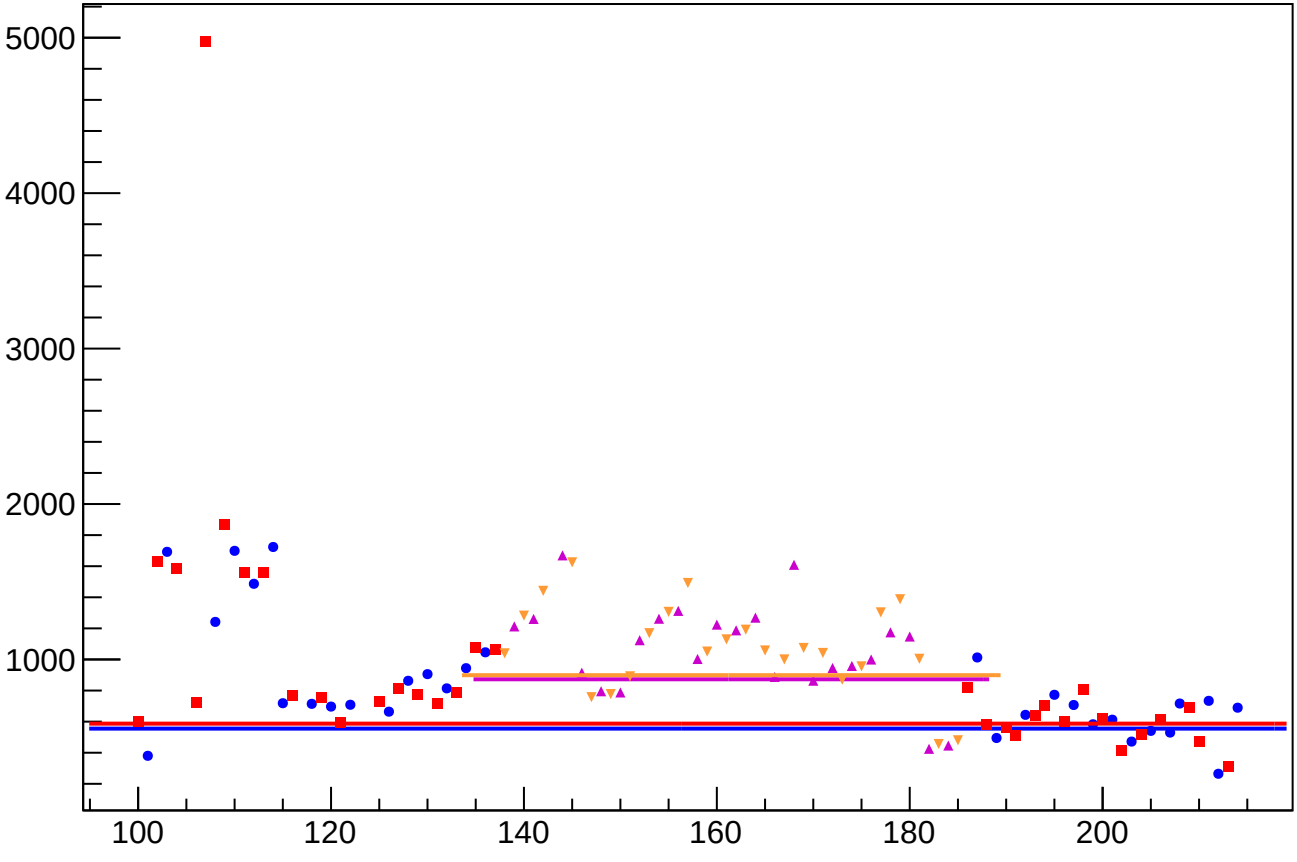
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -272.569+/-119.388 χ^2/NDF: 71.5/53

All: -155.298+/-85.463 χ^2/NDF: 145.0/109

- sign -32.045+/-122.395 χ^2/NDF: 71.5/55

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 555.139+/-0.100 χ^2/NDF: 5341341.8/29

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 587.151+/-0.104 χ^2/NDF: 4850204.4/32

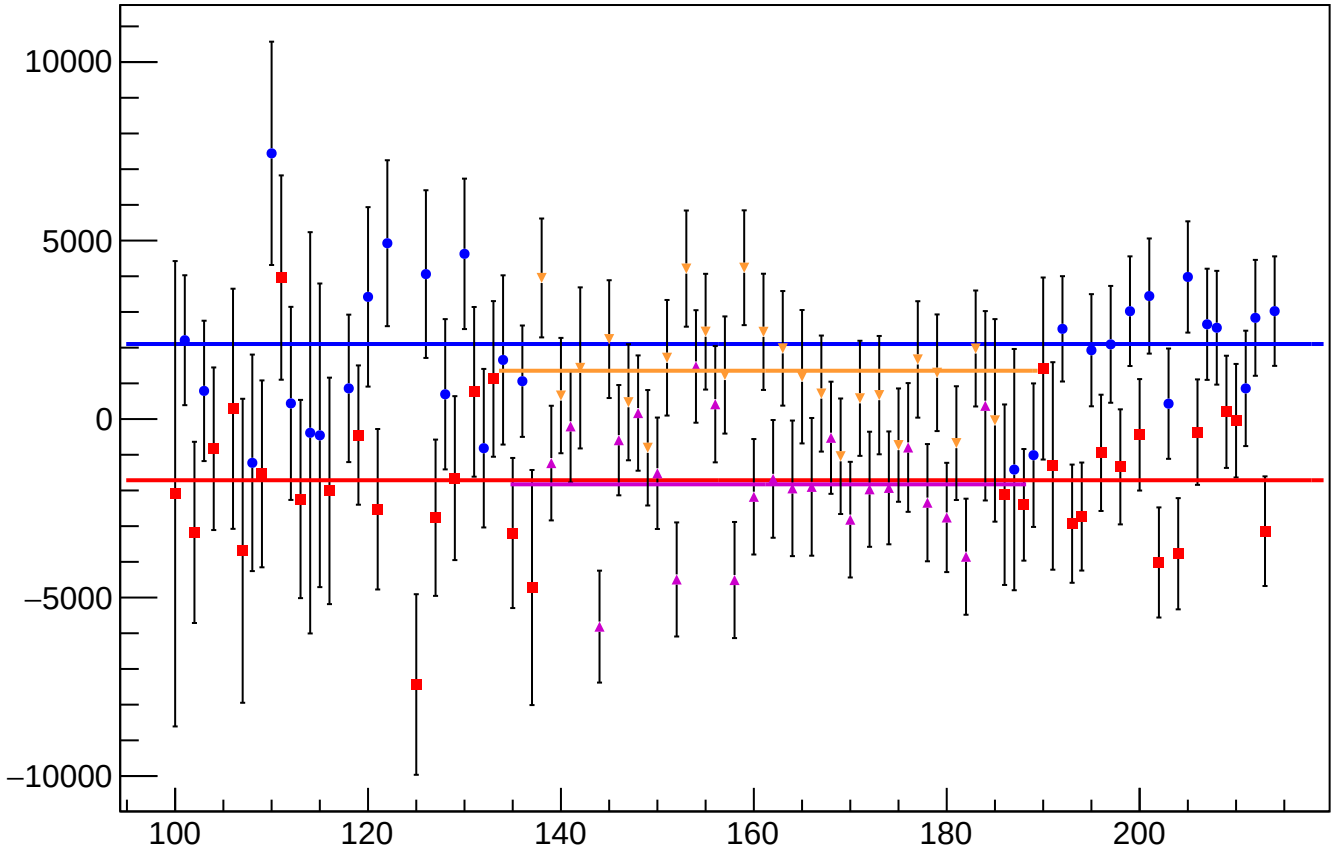
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 654.735+/-0.084 χ^2/NDF: 12544332.4/53

All: 665.443+/-0.060 χ^2/NDF: 24203534.6/10

- sign 676.697+/-0.087 χ^2/NDF: 11626202.5/55

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2102.295+/-349.160 χ^2/NDF: 21.0/29

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1713.746+/-352.223 χ^2/NDF: 27.0/32

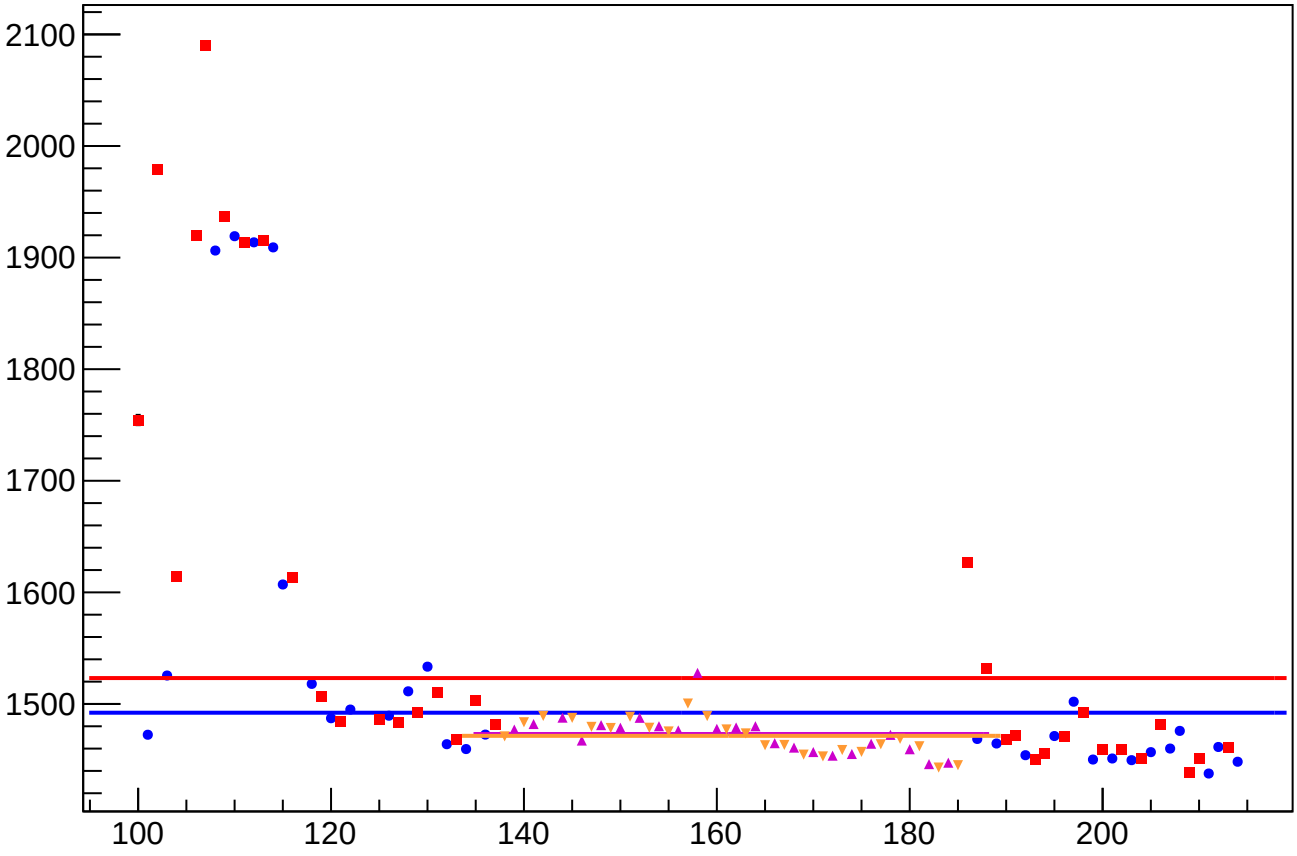
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1719.764+/-244.166 χ^2/NDF: 42.3/53

All: -12.639+/-173.325 χ^2/NDF: 196.7/109

- sign -1772.358+/-246.083 χ^2/NDF: 52.9/55

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1492.152+/-0.247 χ^2/NDF: 151965.6/29

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

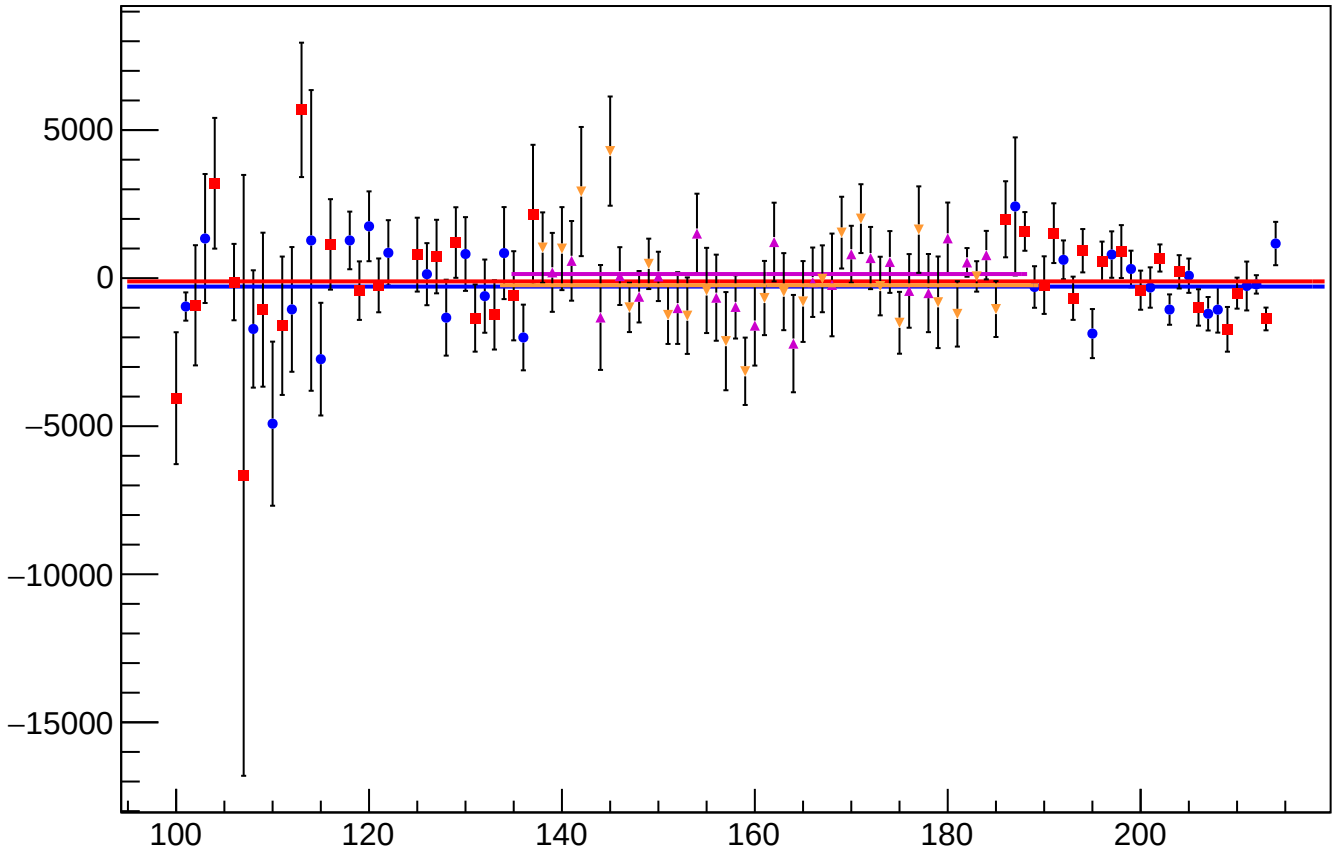
Right Out: 1523.203+/-0.249 χ^2/NDF: 307814.5/32

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1481.567+/-0.173 χ^2/NDF: 158999.7/53

All: 1489.486+/-0.123 χ^2/NDF: 496564.6/109

- sign 1497.530+/-0.174 χ^2/NDF: 333323.8/55



Right In: -285.748+/-141.664 χ^2/NDF: 39.1/29

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

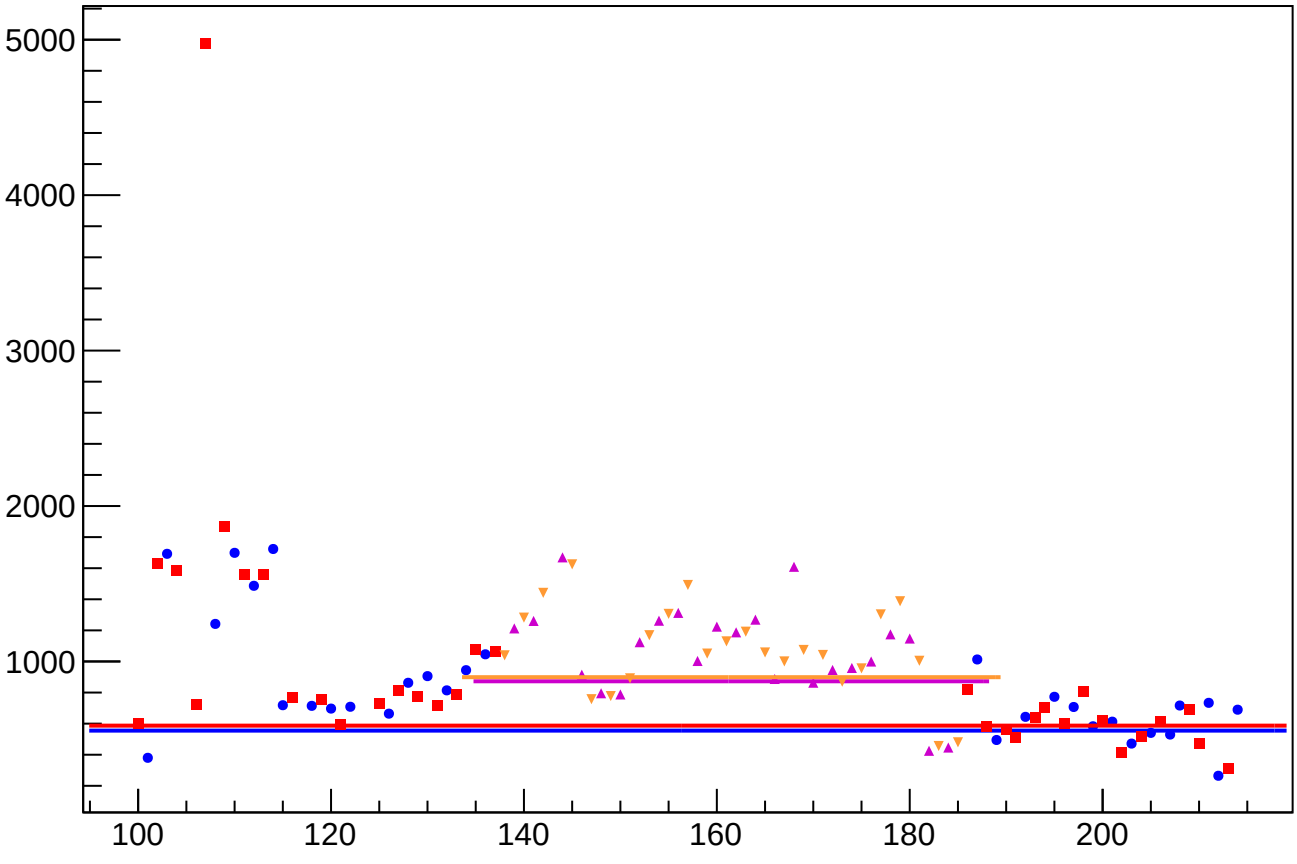
Right Out: -110.015+/-147.758 χ^2/NDF: 57.6/32

Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -272.570+/-119.388 χ^2/NDF: 71.5/53

All: -155.298+/-85.463 χ^2/NDF: 145.0/109

- sign -32.045+/-122.395 χ^2/NDF: 71.5/55



Right In: 555.140+/-0.100 χ^2/NDF: 5341337.5/29

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 587.152+/-0.104 χ^2/NDF: 4850202.3/32

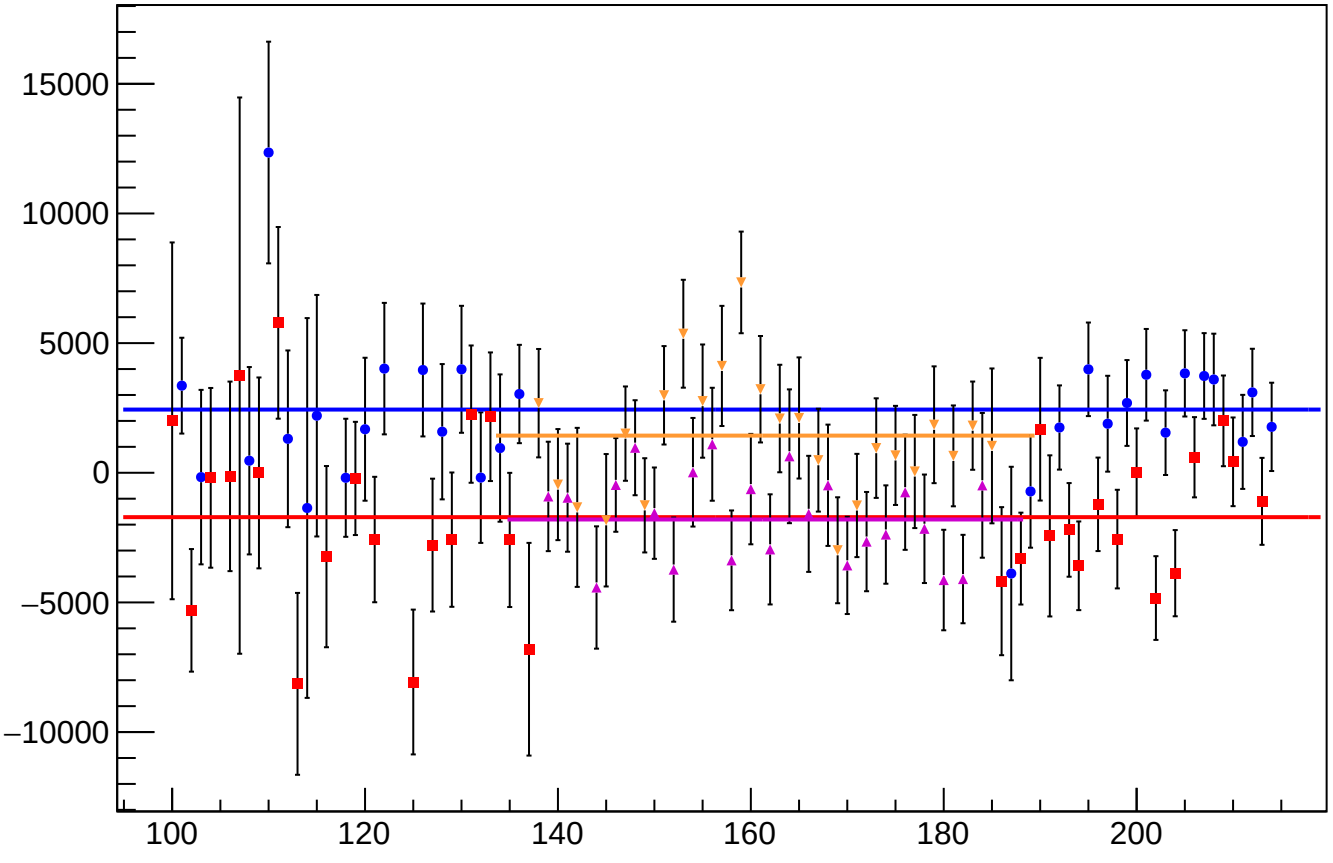
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 654.735+/-0.084 χ^2/NDF: 12544342.9/53

All: 665.443+/-0.060 χ^2/NDF: 24203556.8/10

- sign 676.698+/-0.087 χ^2/NDF: 11626214.2/55

asym_usl_atl1_avg_mean vs Slug



Right In: 2437.396+/-391.334 χ^2/NDF: 19.9/29

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1711.781+/-393.928 χ^2/NDF: 43.1/32

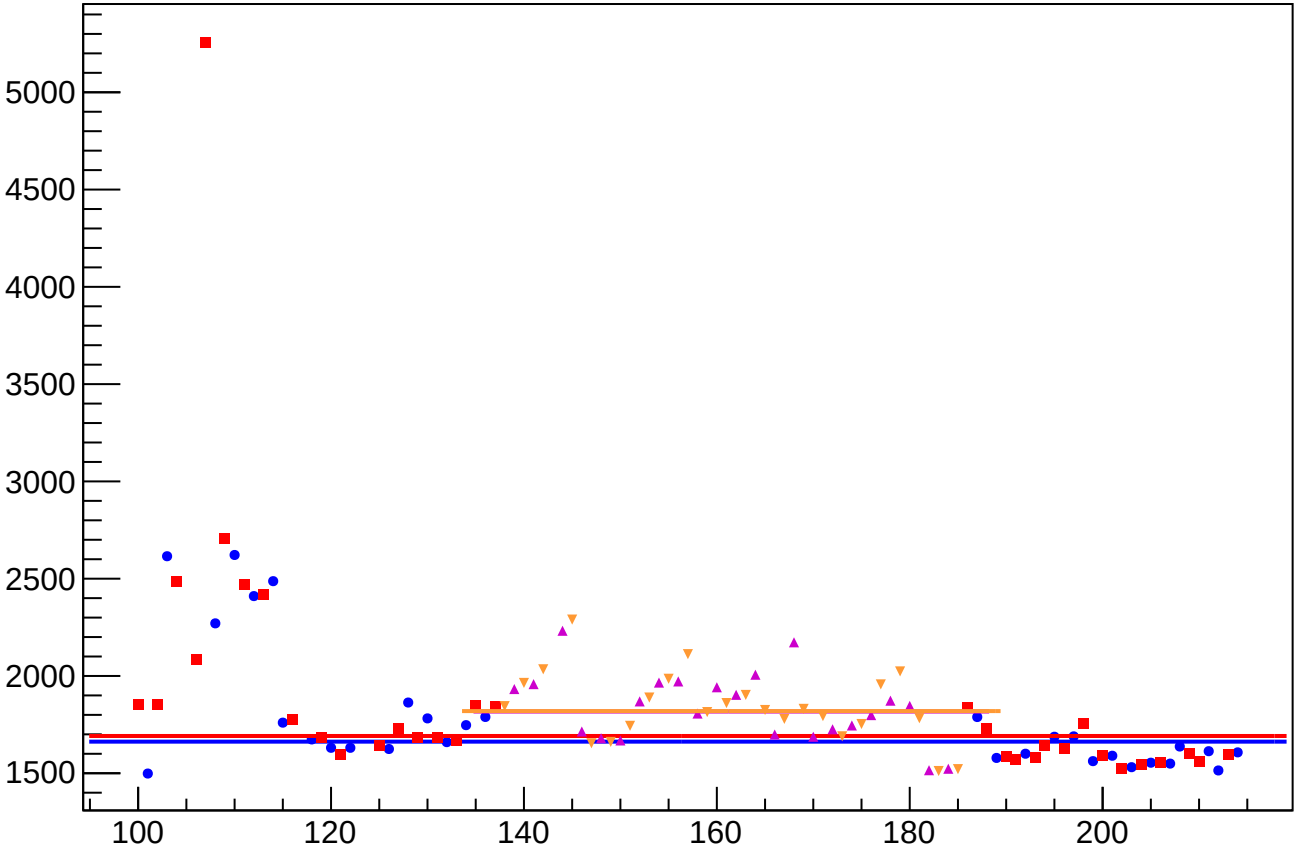
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1976.065+/-287.716 χ^2/NDF: 52.4/53

All: 122.198+/-204.030 χ^2/NDF: 194.3/109

- sign -1753.106+/-289.374 χ^2/NDF: 58.4/55

asym_usl_atl1_avg_rms vs Slug



Right In: 1662.399+/-0.277 χ^2/NDF: 554151.5/29

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1691.524+/-0.279 χ^2/NDF: 810782.3/32

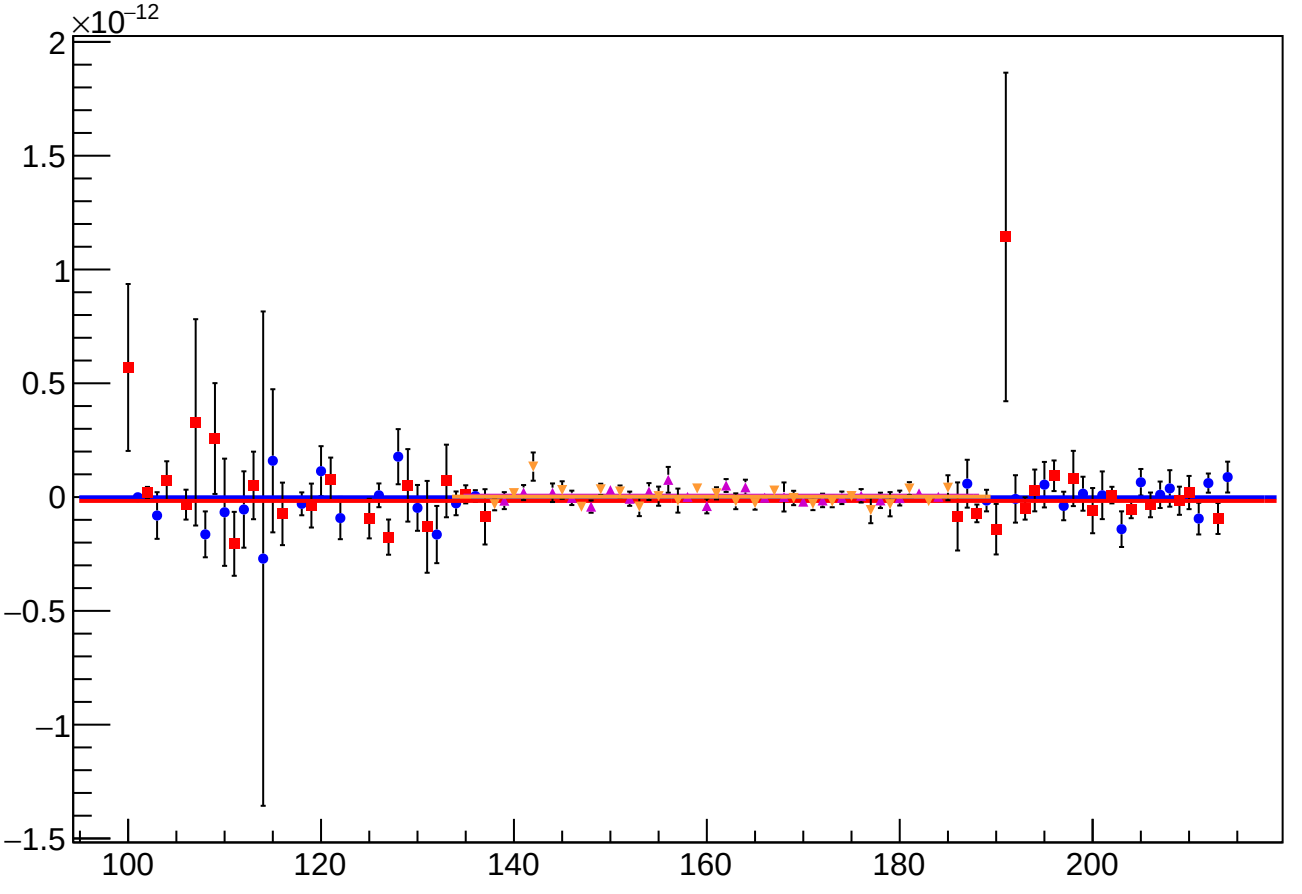
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1734.542+/-0.203 χ^2/NDF: 997103.8/53

All: 1741.906+/-0.144 χ^2/NDF: 2211255.3/10

- sign 1749.356+/-0.205 χ^2/NDF: 1211515.7/55

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

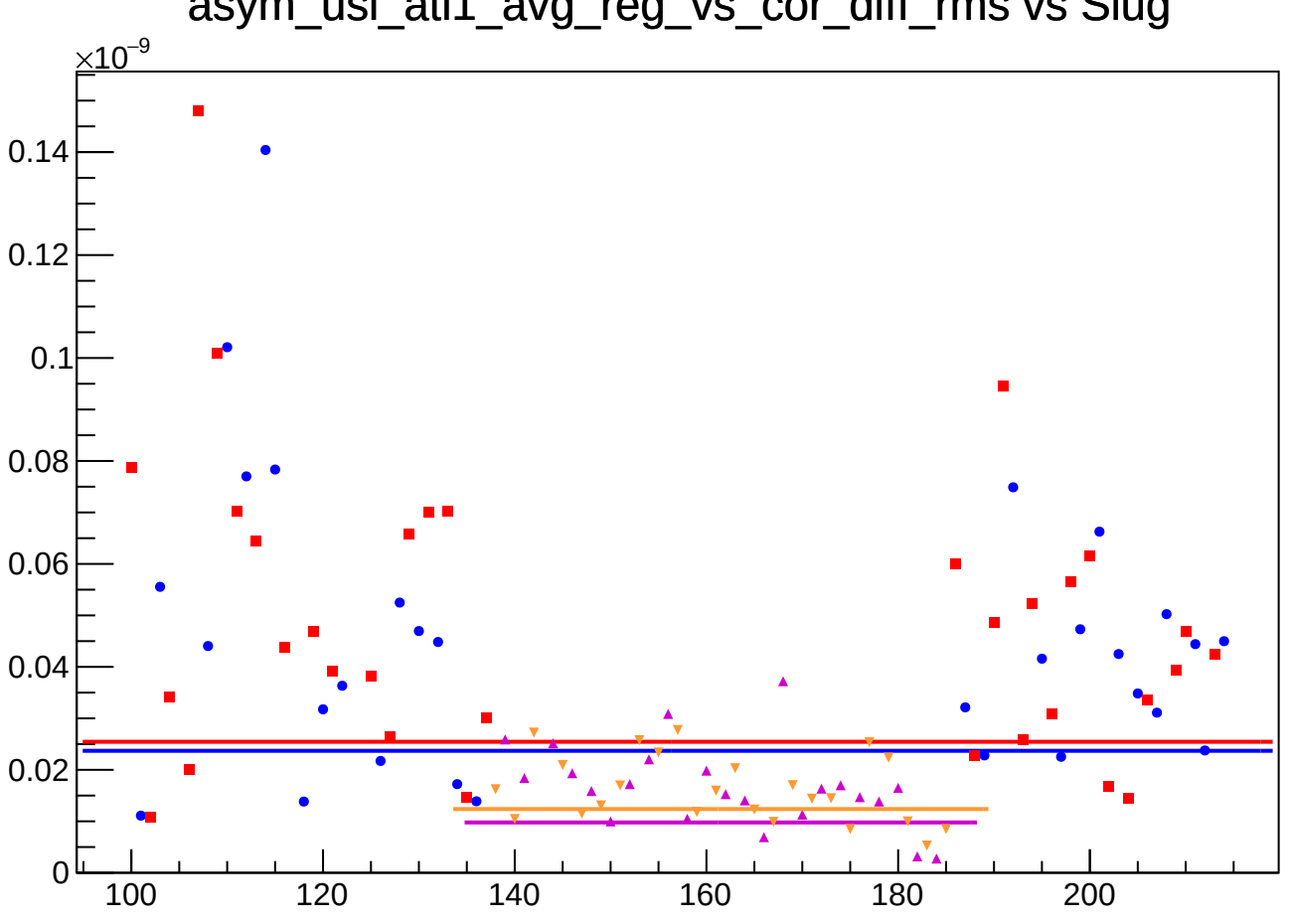
Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/32

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/53

All: 0.000+/-0.000 χ^2/NDF: 104.0/109

- sign 0.000+/-0.000 χ^2/NDF: 52.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 4200324.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3715048.9/32

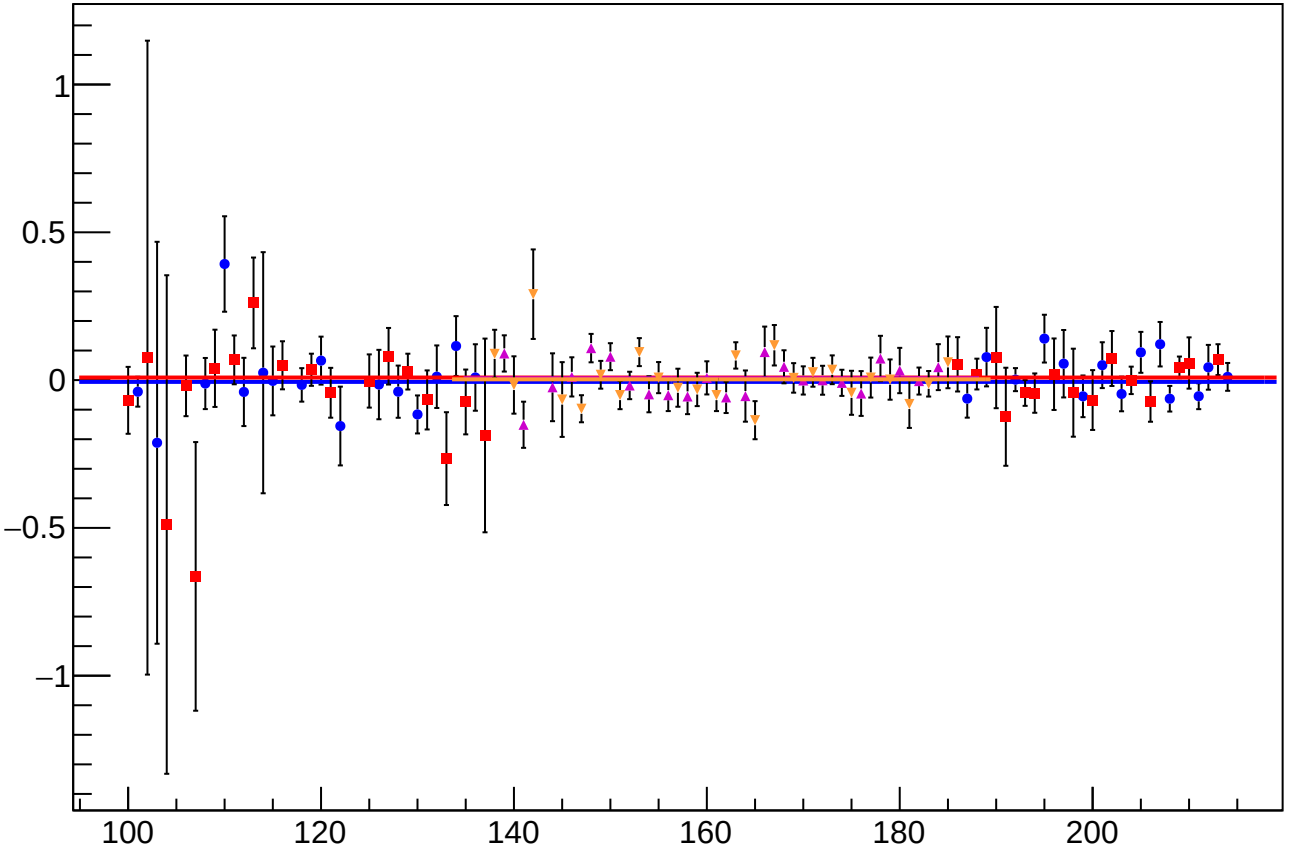
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7931144.3/53

All: 0.000+/-0.000 χ^2/NDF: 19703494.6/109

- sign 0.000+/-0.000 χ^2/NDF: 11424309.4/55

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.013 χ^2/NDF: 28.4/29

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.009+/-0.014 χ^2/NDF: 20.8/32

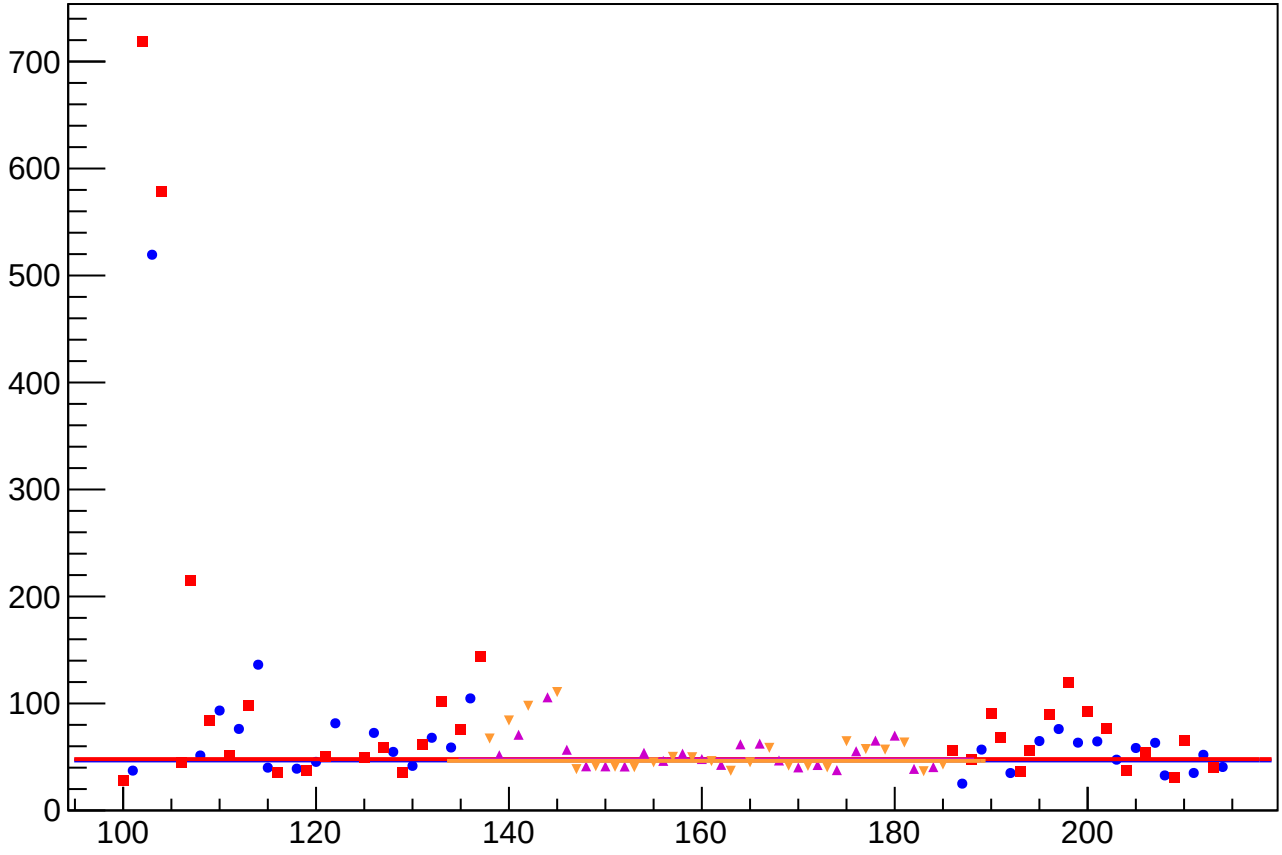
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.009 χ^2/NDF: 58.5/53

All: 0.003+/-0.006 χ^2/NDF: 101.4/109

- sign 0.007+/-0.009 χ^2/NDF: 42.4/55

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.770+/-0.009 χ^2/NDF: 3810307.9/29

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

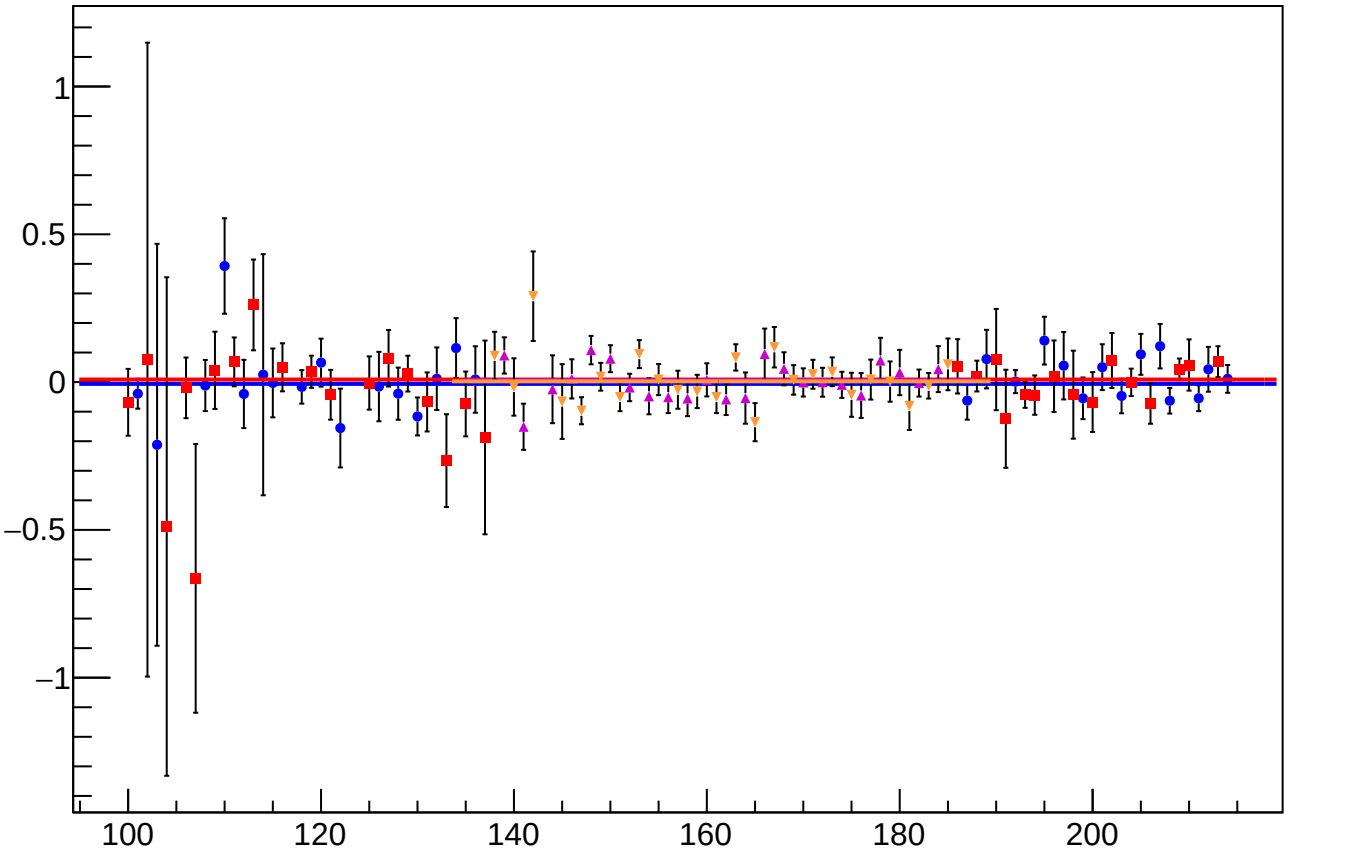
Right Out: 47.983+/-0.010 χ^2/NDF: 5396357.3/32

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.543+/-0.006 χ^2/NDF: 5779180.5/53

All: 47.129+/-0.004 χ^2/NDF: 12771149.5/109

- sign 47.755+/-0.006 χ^2/NDF: 6973550.0/55



Right In: -0.006+/-0.013 χ^2/NDF: 28.4/29

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.009+/-0.014 χ^2/NDF: 20.8/32

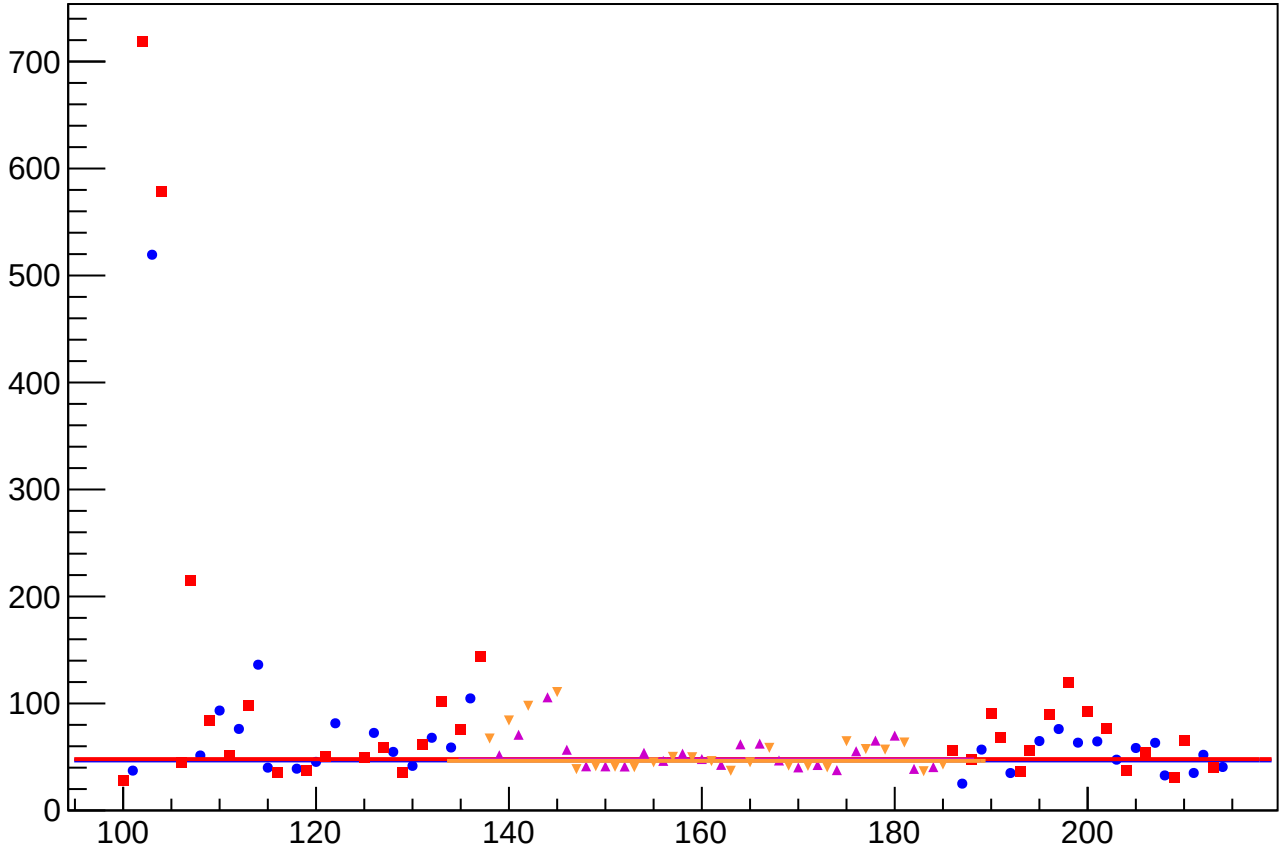
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.009 χ^2/NDF: 58.5/53

All: 0.003+/-0.006 χ^2/NDF: 101.4/109

- sign 0.007+/-0.009 χ^2/NDF: 42.4/55

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 46.770+/-0.009 χ^2/NDF: 3810307.9/29

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

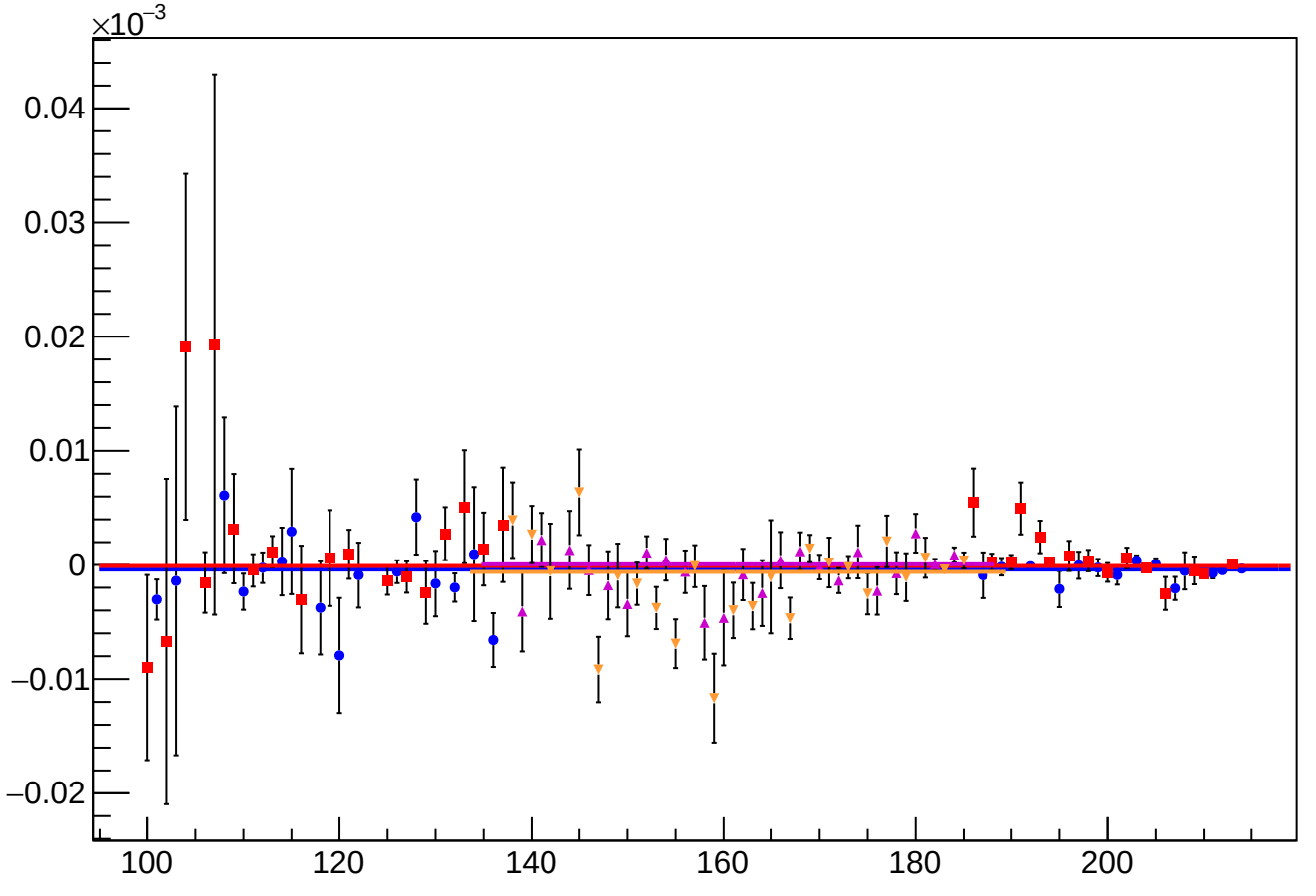
Right Out: 47.983+/-0.010 χ^2/NDF: 5396357.3/32

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 46.543+/-0.006 χ^2/NDF: 5779180.5/53

All: 47.129+/-0.004 χ^2/NDF: 12771149.5/109

- sign 47.755+/-0.006 χ^2/NDF: 6973550.0/55



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

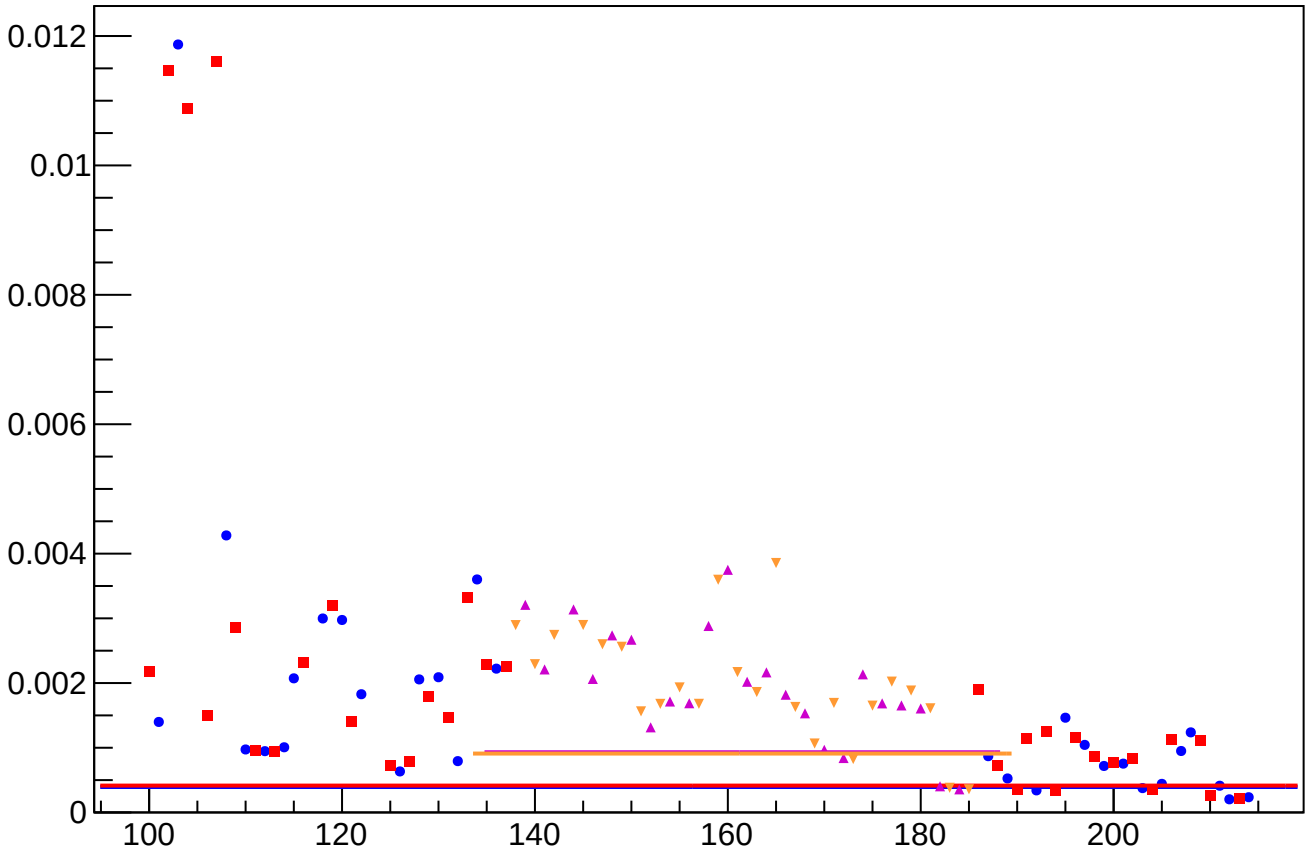
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/32

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.6/53

All: -0.000+/-0.000 χ^2/NDF: 141.7/109

- sign -0.000+/-0.000 χ^2/NDF: 53.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 14181467.0/29

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

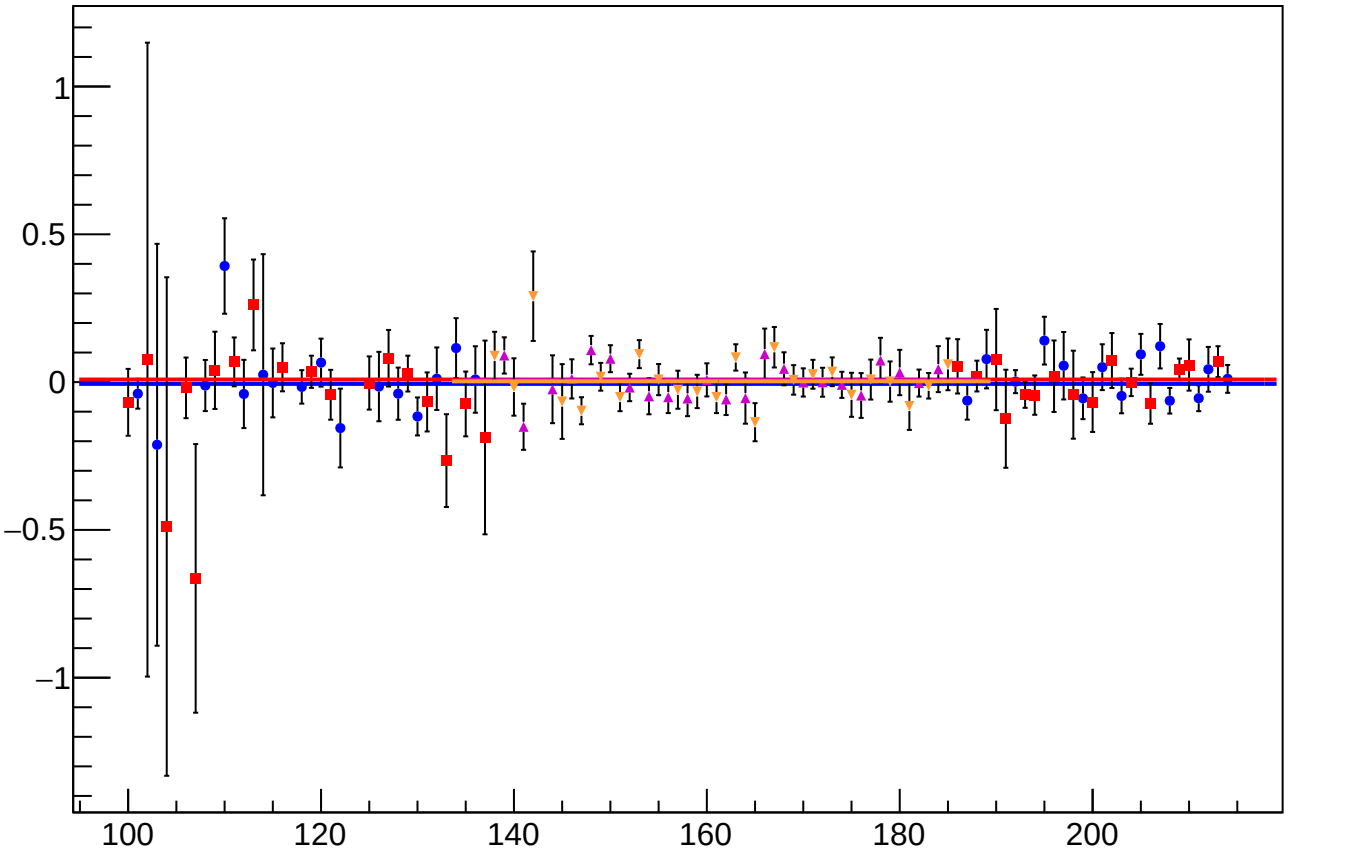
Right Out: 0.000+/-0.000 χ^2/NDF: 15546491.1/32

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 34063645.8/53

All: 0.000+/-0.000 χ^2/NDF: 68837671.4/109

- sign 0.001+/-0.000 χ^2/NDF: 34718514.4/55



Right In: -0.006+/-0.013 χ^2/NDF: 28.4/29

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.009+/-0.014 χ^2/NDF: 20.8/32

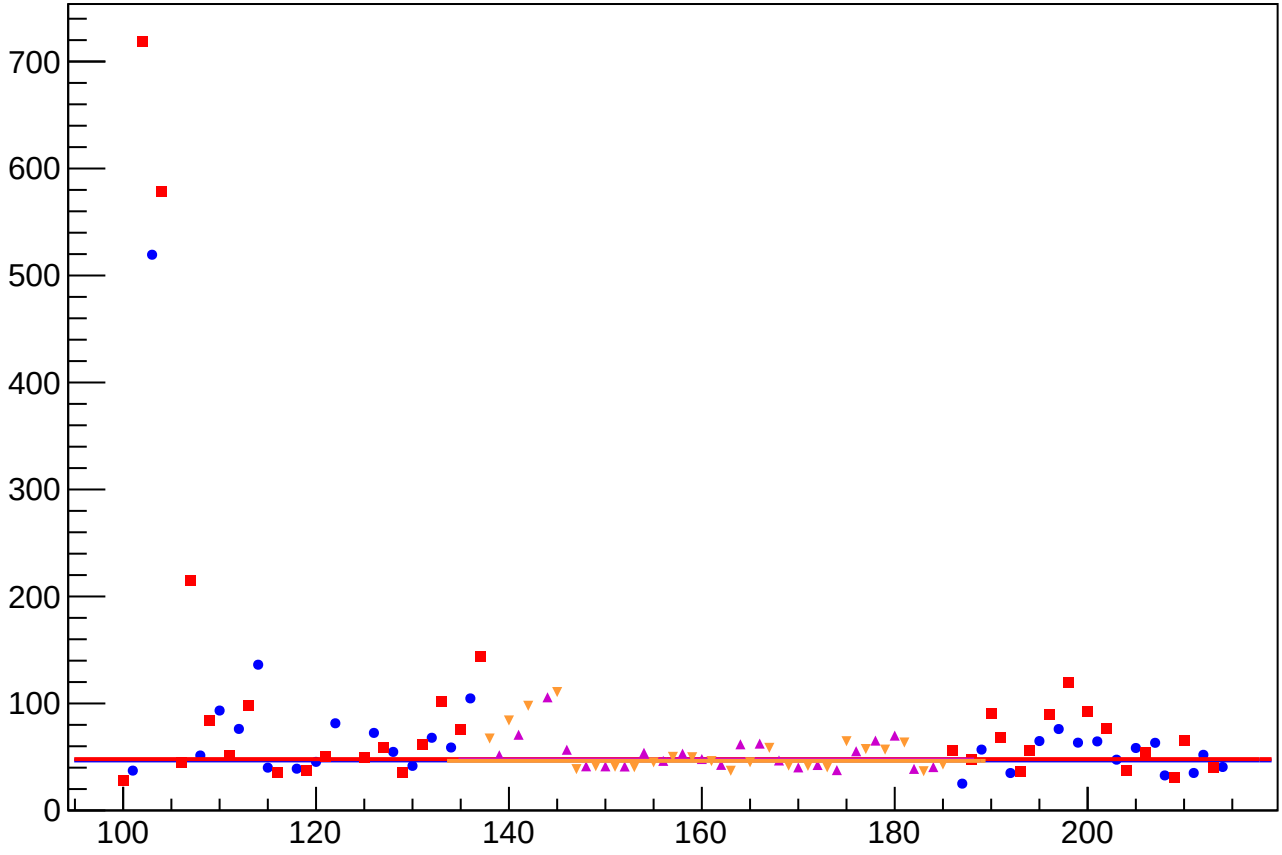
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.009 χ^2/NDF: 58.5/53

All: 0.003+/-0.006 χ^2/NDF: 101.4/109

- sign 0.007+/-0.009 χ^2/NDF: 42.4/55

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 46.770+/-0.009 χ^2/NDF: 3810328.1/29

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

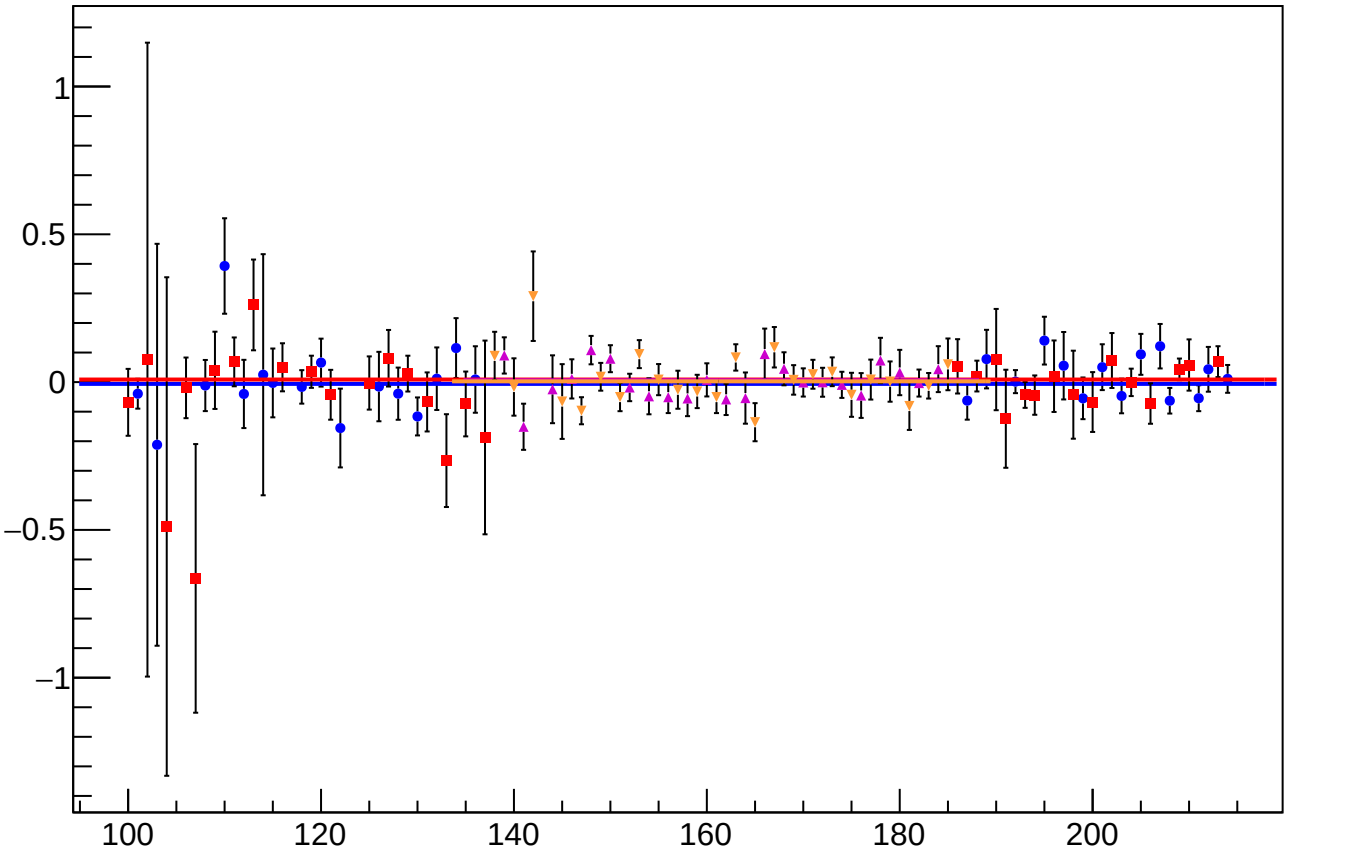
Right Out: 47.983+/-0.010 χ^2/NDF: 5396331.7/32

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.543+/-0.006 χ^2/NDF: 5779187.6/53

All: 47.129+/-0.004 χ^2/NDF: 12771135.7/109

- sign 47.755+/-0.006 χ^2/NDF: 6973531.7/55



Right In: -0.006+/-0.013 χ^2/NDF: 28.4/29

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

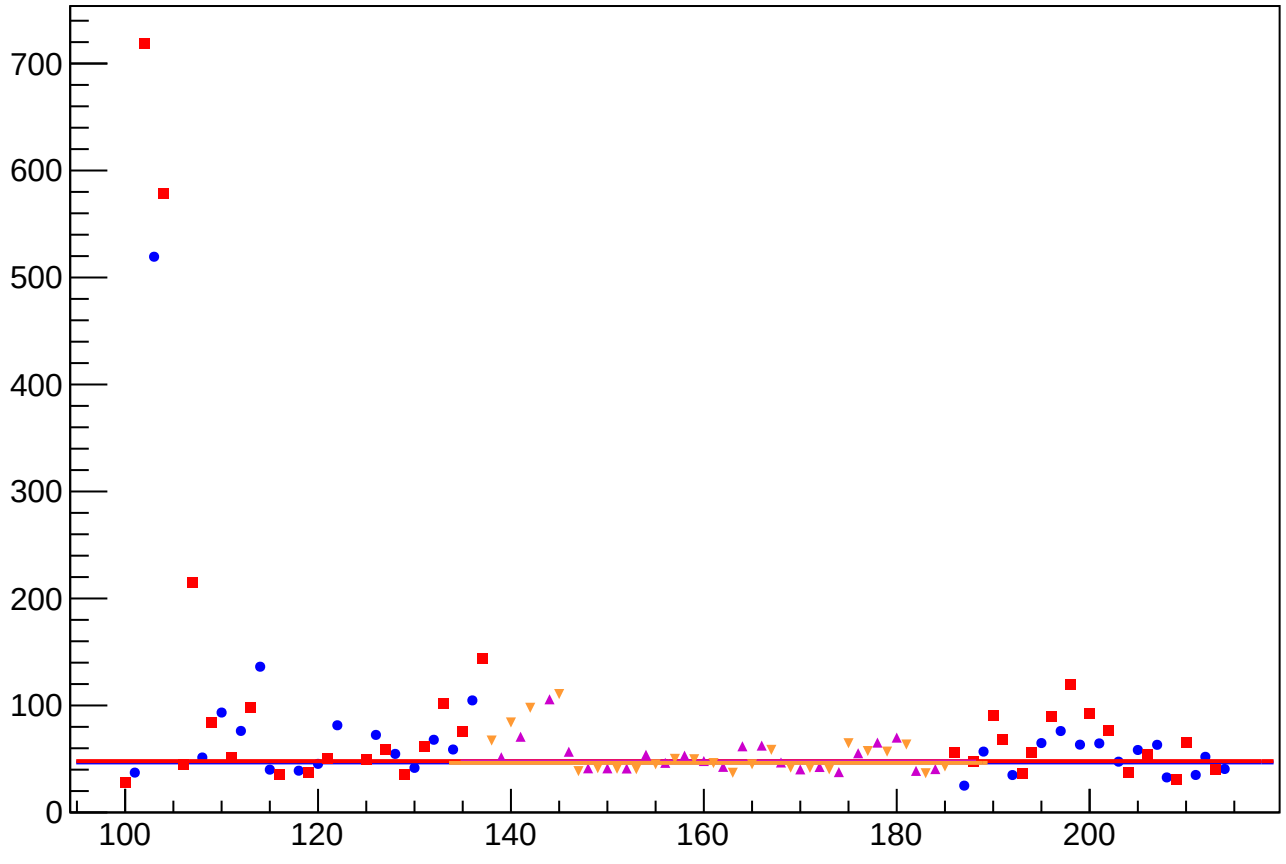
Right Out: 0.009+/-0.014 χ^2/NDF: 20.8/32

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.001+/-0.009 χ^2/NDF: 58.5/53

All: 0.003+/-0.006 χ^2/NDF: 101.4/109

- sign 0.007+/-0.009 χ^2/NDF: 42.4/55



Right In: 46.770+/-0.009 χ^2/NDF: 3810328.1/29

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

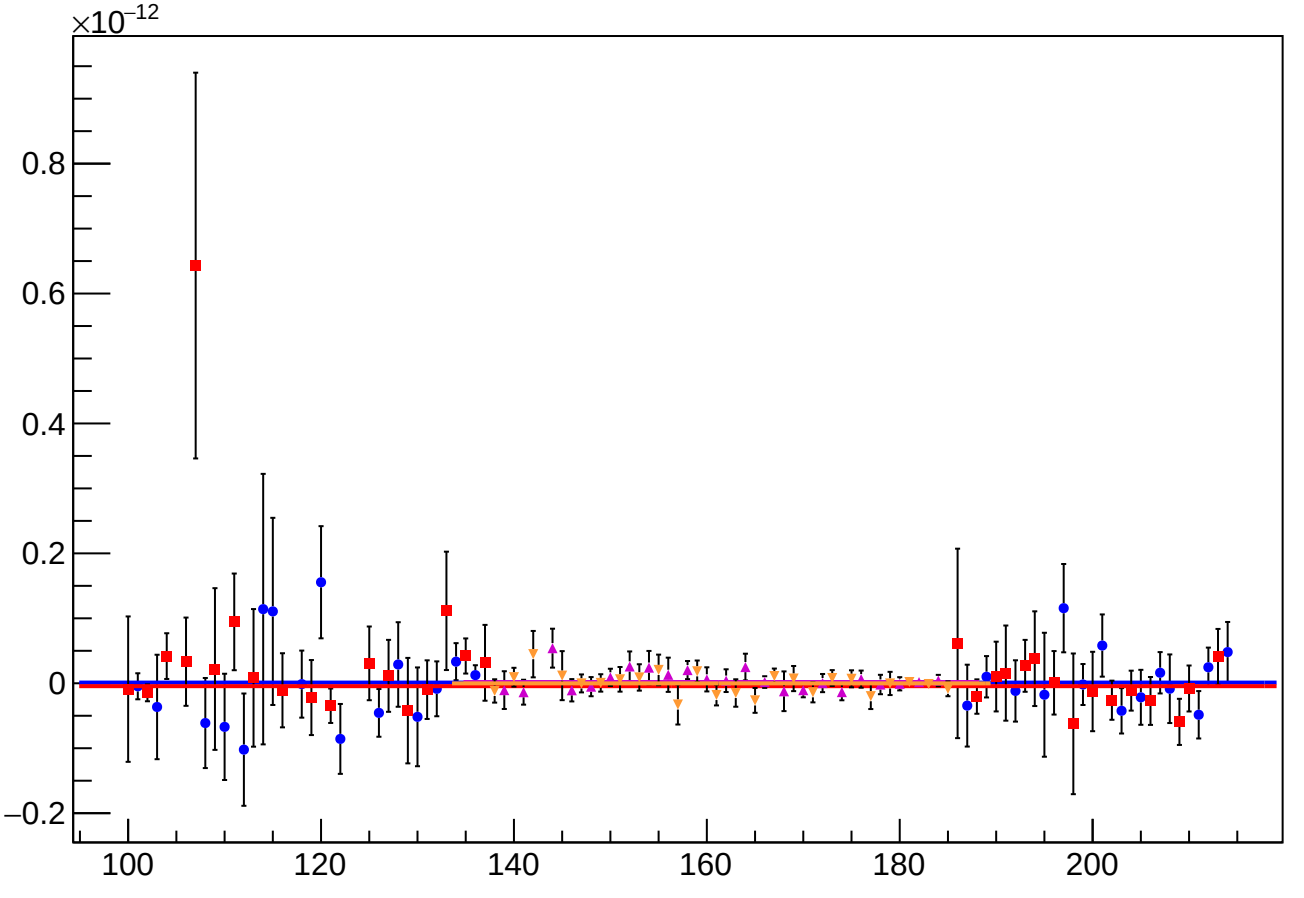
Right Out: 47.983+/-0.010 χ^2/NDF: 5396331.7/32

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 46.543+/-0.006 χ^2/NDF: 5779187.6/53

All: 47.129+/-0.004 χ^2/NDF: 12771135.7/109

- sign 47.755+/-0.006 χ^2/NDF: 6973531.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

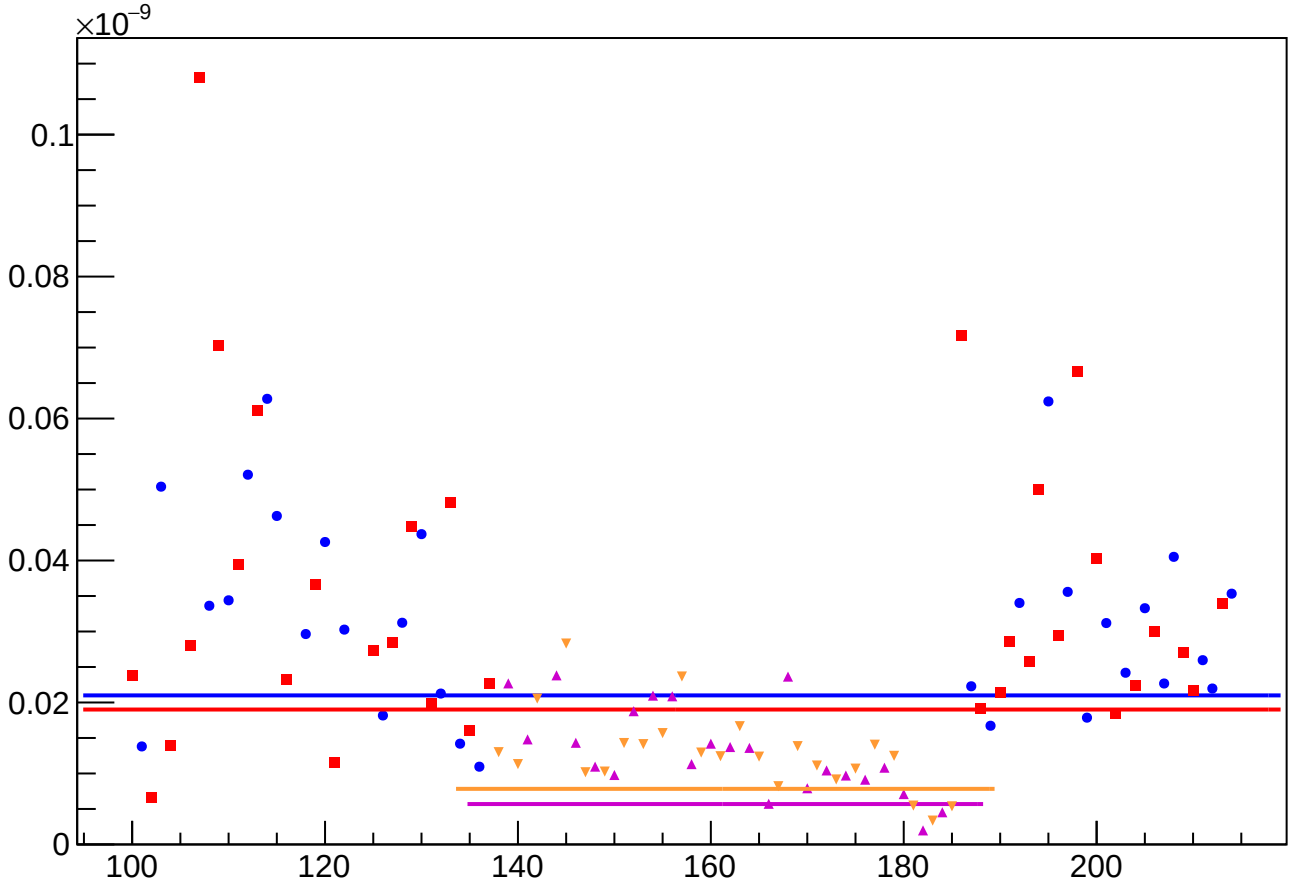
Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/32

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 38.3/53

All: 0.000+/-0.000 χ^2/NDF: 75.4/109

- sign 0.000+/-0.000 χ^2/NDF: 36.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 3976831.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5774832.1/32

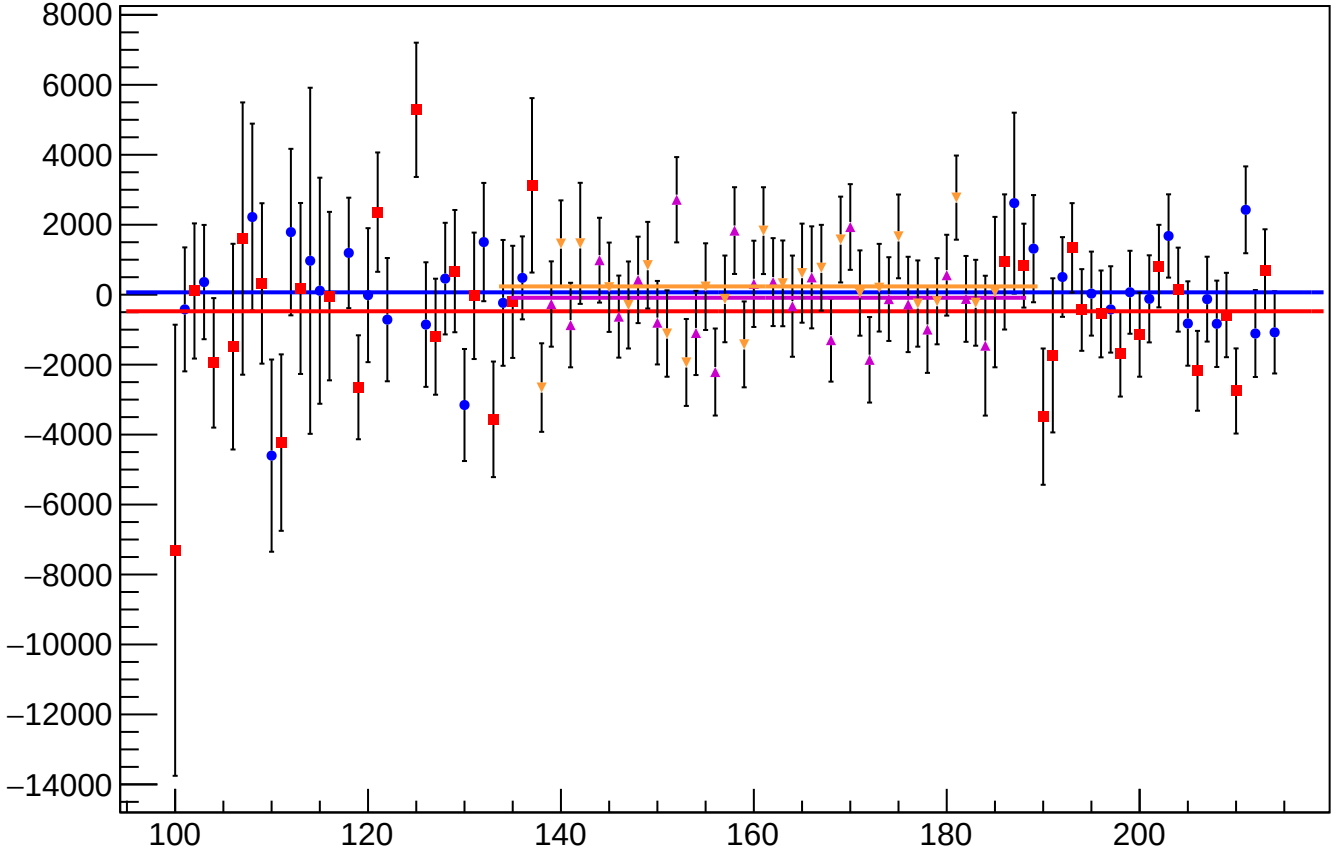
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16484693.3/53

All: 0.000+/-0.000 χ^2/NDF: 41540323.7/109

- sign 0.000+/-0.000 χ^2/NDF: 23805277.7/55

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 67.418+/-271.756 χ^2/NDF: 20.5/29

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -474.259+/-272.338 χ^2/NDF: 40.8/32

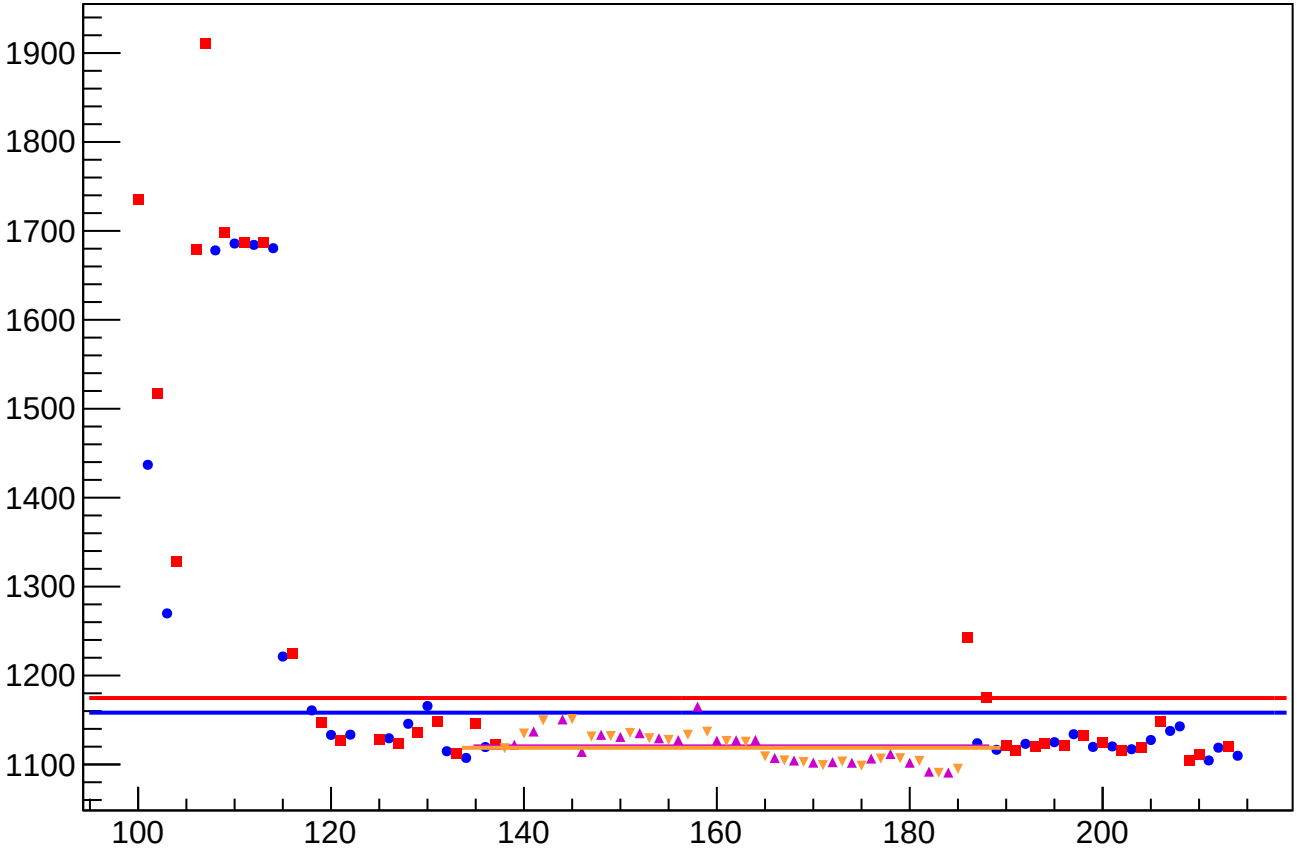
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 155.856+/-187.741 χ^2/NDF: 43.4/53

All: -57.804+/-133.077 χ^2/NDF: 108.8/109

- sign -273.564+/-188.662 χ^2/NDF: 62.7/55

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.249+/-0.192 χ^2/NDF: 359329.1/29

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1174.690+/-0.193 χ^2/NDF: 557460.6/32

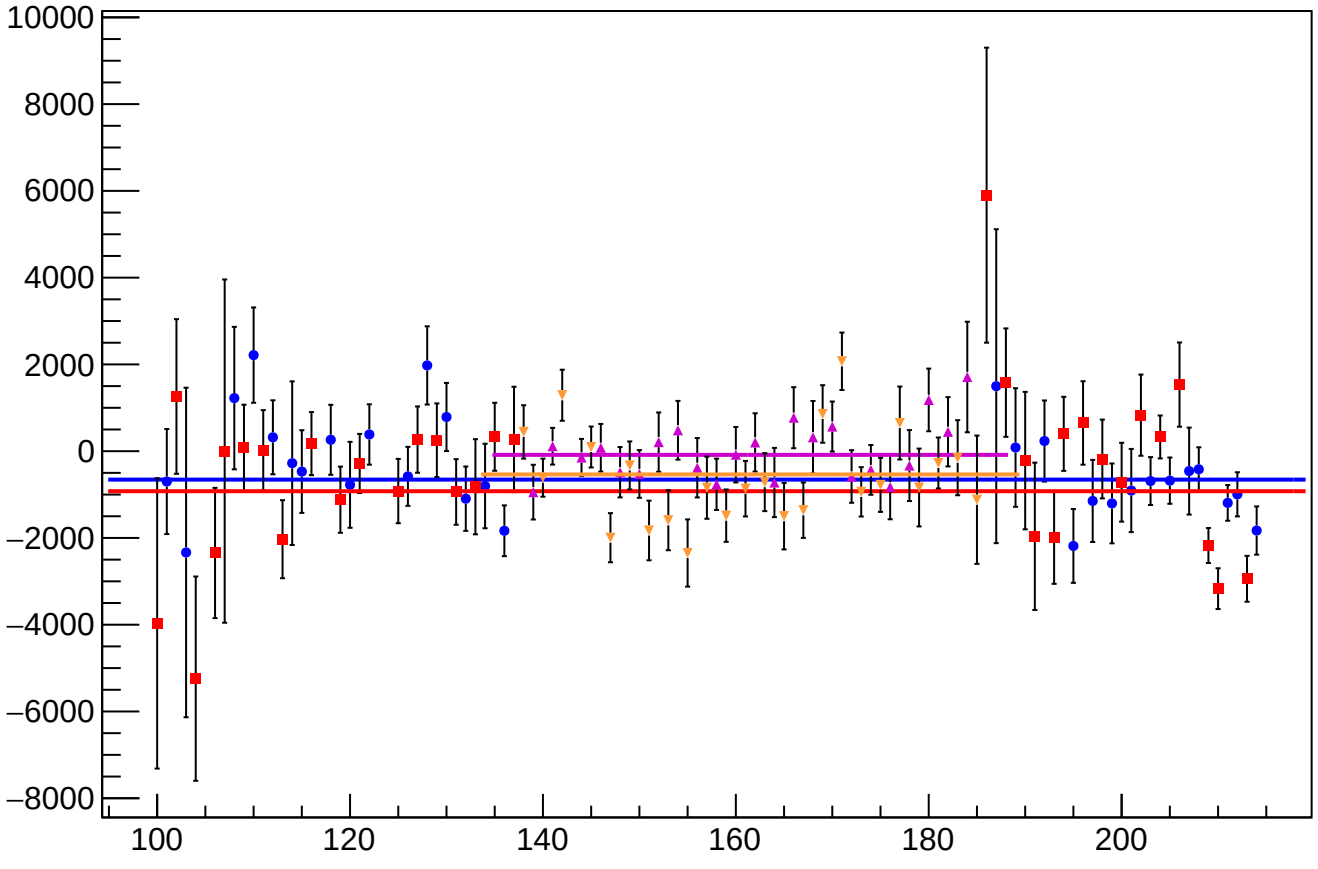
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1137.593+/-0.133 χ^2/NDF: 389638.7/53

All: 1141.978+/-0.094 χ^2/NDF: 1000248.2/10

- sign 1146.406+/-0.133 χ^2/NDF: 608416.5/55

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -655.391+/-139.532 χ^2/NDF: 41.9/29

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -922.850+/-144.601 χ^2/NDF: 100.0/32

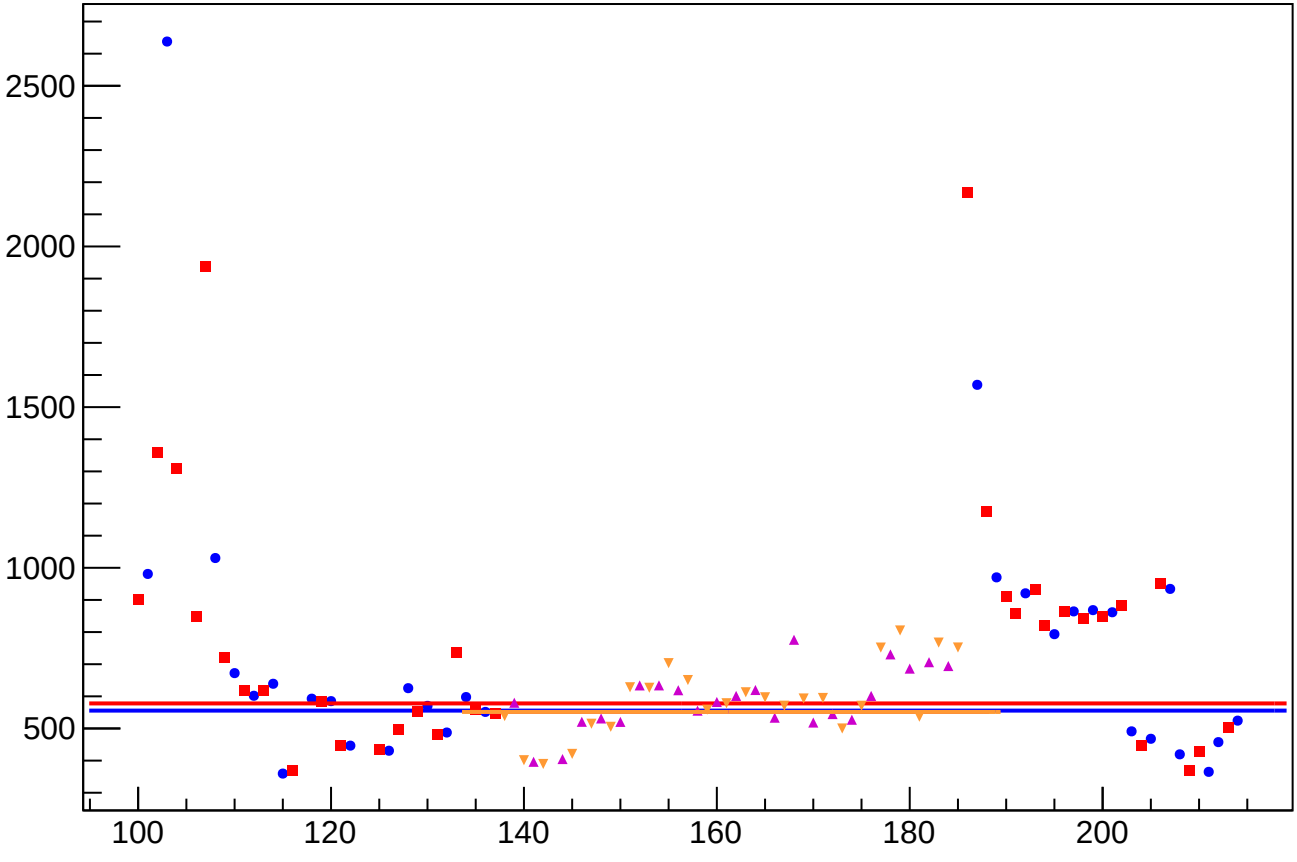
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -591.719+/-95.367 χ^2/NDF: 103.9/53

All: -528.355+/-68.029 χ^2/NDF: 240.4/109

- sign -462.708+/-97.070 χ^2/NDF: 135.6/55

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 555.609+/-0.099 χ^2/NDF: 3760418.9/29

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 577.951+/-0.102 χ^2/NDF: 4733525.7/32

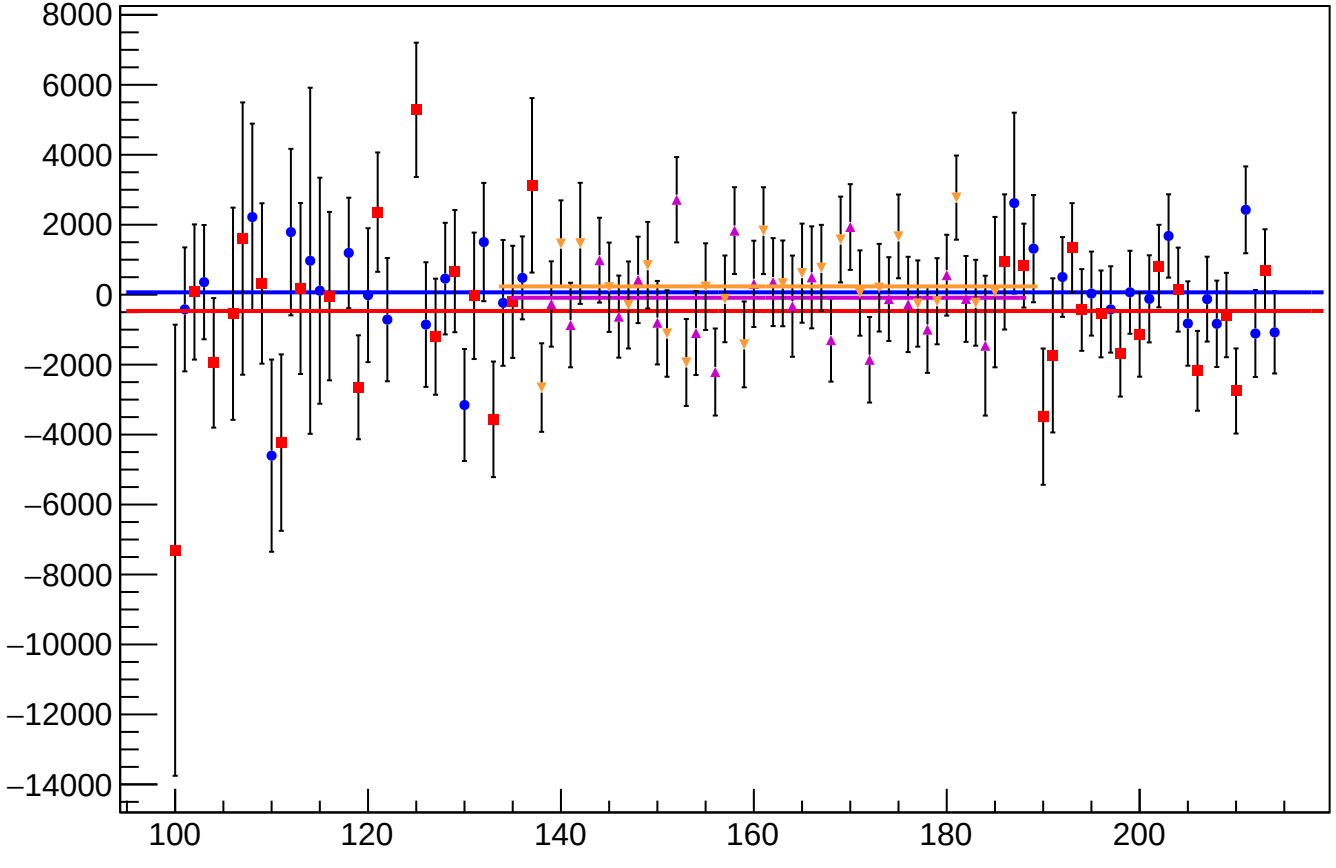
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 553.388+/-0.067 χ^2/NDF: 4987986.9/53

All: 558.271+/-0.048 χ^2/NDF: 10831172.5/10

- sign 563.330+/-0.069 χ^2/NDF: 5832510.0/55

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 67.284+/-271.756 χ^2/NDF: 20.5/29

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -466.729+/-272.409 χ^2/NDF: 40.7/32

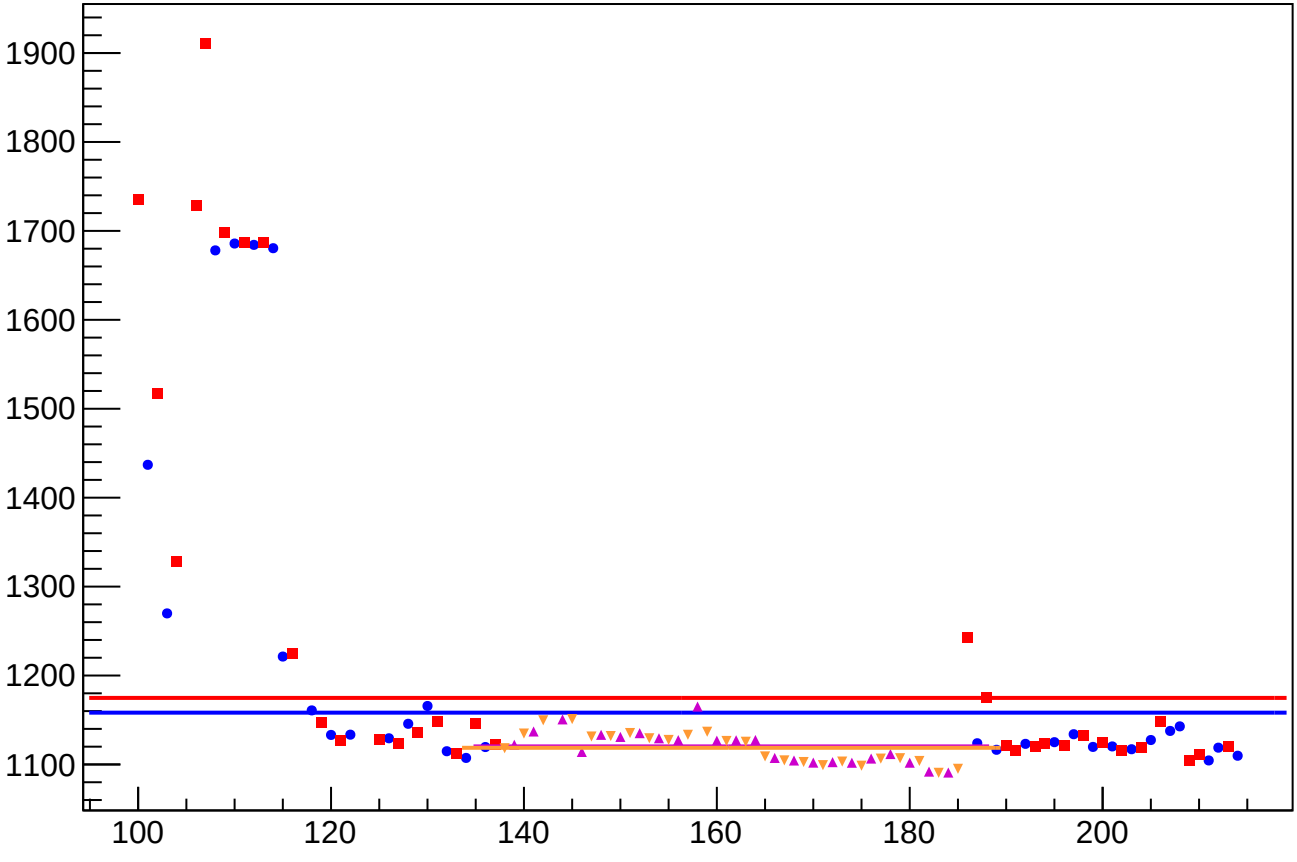
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 155.813+/-187.741 χ^2/NDF: 43.4/53

All: -55.973+/-133.086 χ^2/NDF: 108.6/109

- sign -269.896+/-188.685 χ^2/NDF: 62.6/55

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.249+/-0.192 χ^2/NDF: 359329.1/29

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1174.834+/-0.193 χ^2/NDF: 565432.5/32

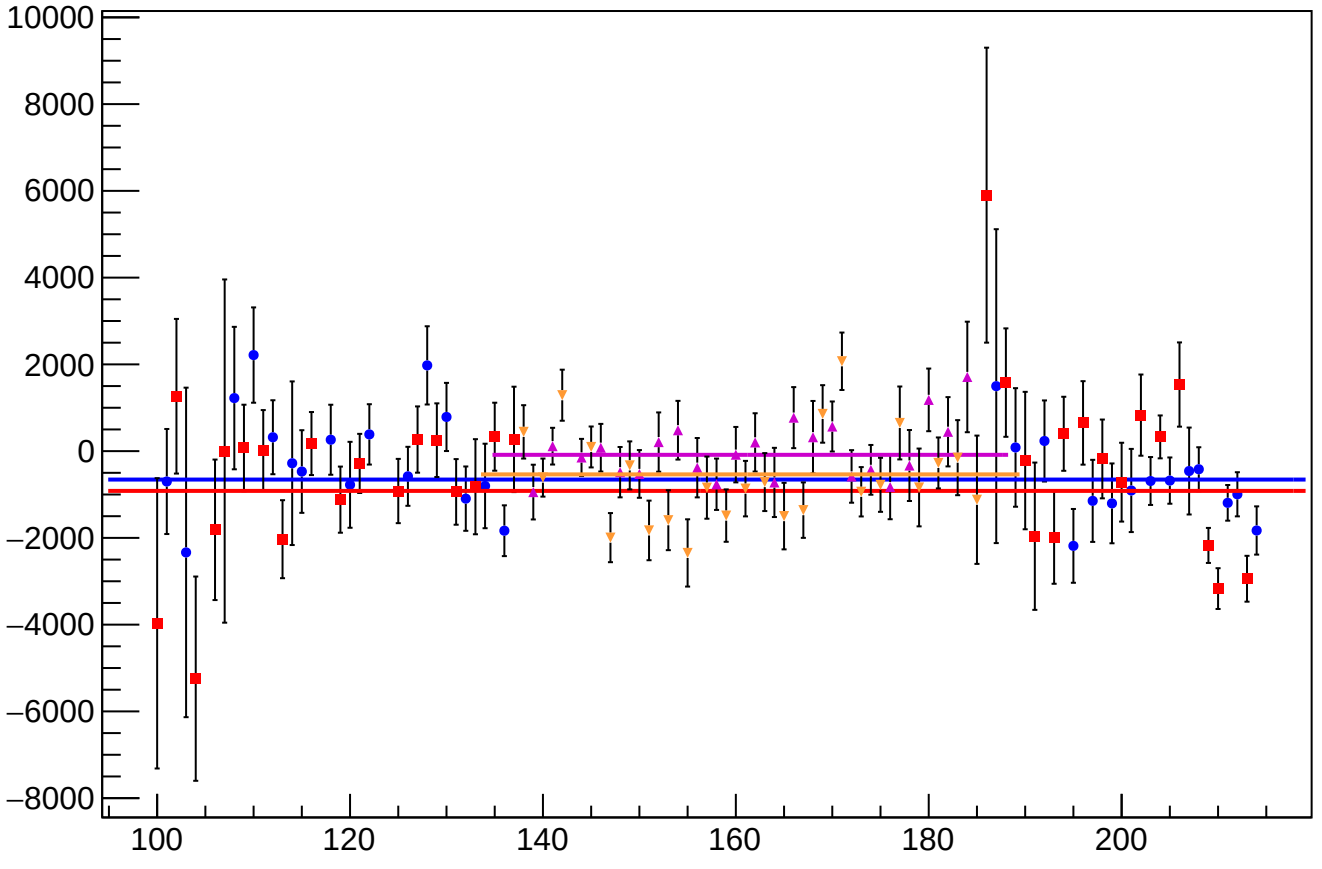
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1137.593+/-0.133 χ^2/NDF: 389638.8/53

All: 1142.008+/-0.094 χ^2/NDF: 1008459.2/10

- sign 1146.468+/-0.133 χ^2/NDF: 616596.8/55

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -655.397+/-139.532 χ^2/NDF: 42.0/29

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -916.737+/-144.694 χ^2/NDF: 99.5/32

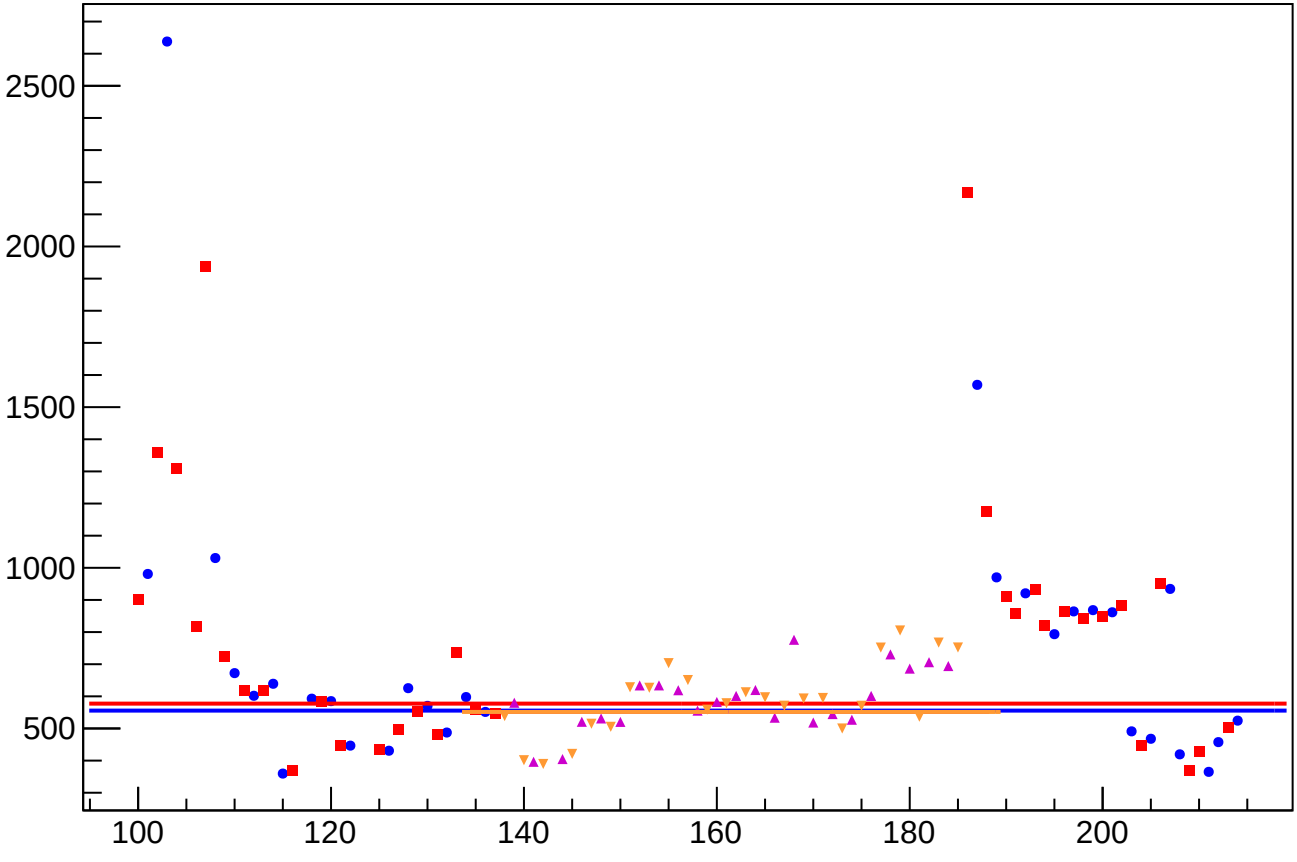
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -591.739+/-95.367 χ^2/NDF: 103.9/53

All: -526.898+/-68.039 χ^2/NDF: 239.6/109

- sign -459.682+/-97.098 χ^2/NDF: 134.7/55

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 555.607+/-0.099 χ^2/NDF: 3760397.7/29

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 577.345+/-0.102 χ^2/NDF: 4712819.4/32

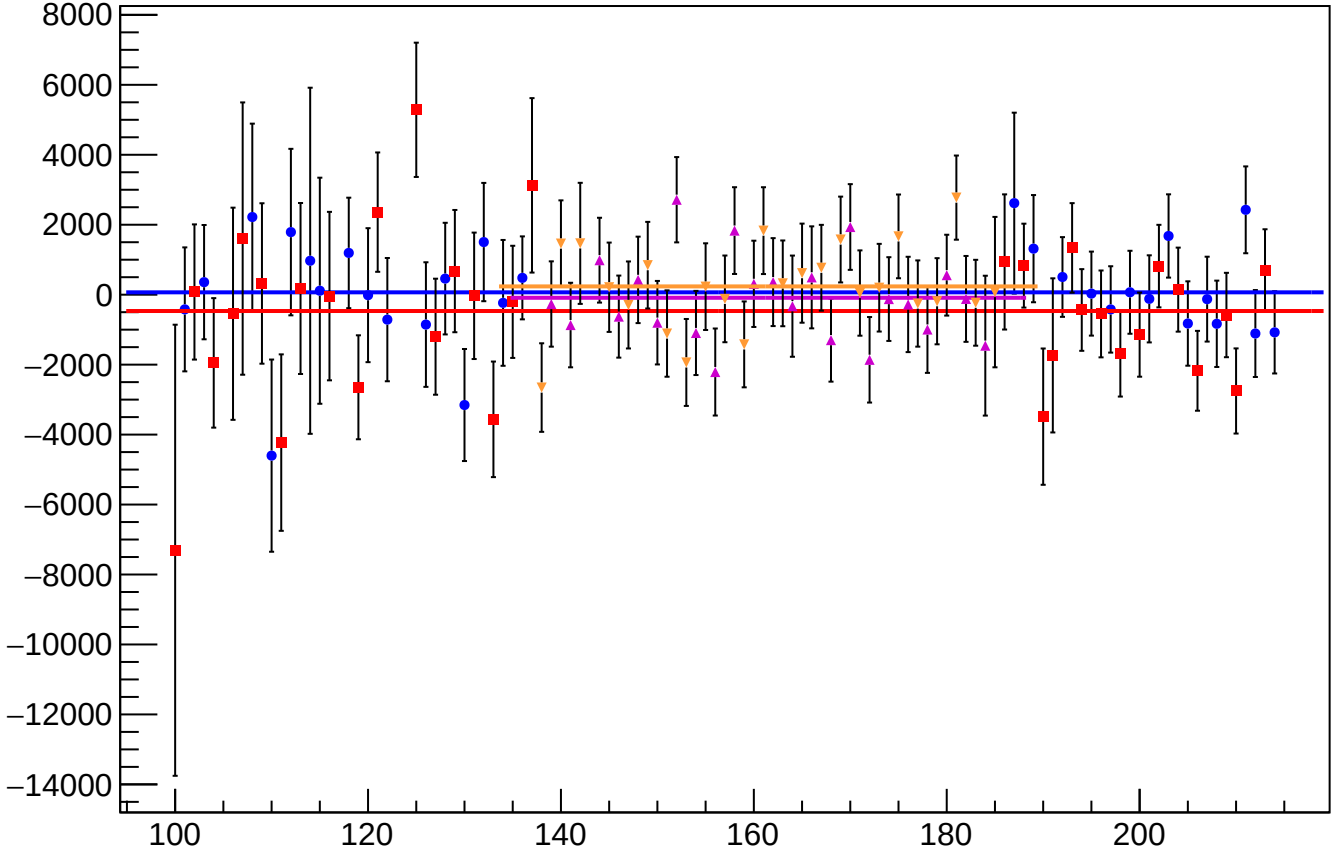
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 553.386+/-0.067 χ^2/NDF: 4987980.8/53

All: 558.130+/-0.048 χ^2/NDF: 10808134.6/10

- sign 563.048+/-0.069 χ^2/NDF: 5810074.4/55

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 67.284+/-271.756 χ^2/NDF: 20.5/29

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -466.729+/-272.409 χ^2/NDF: 40.7/32

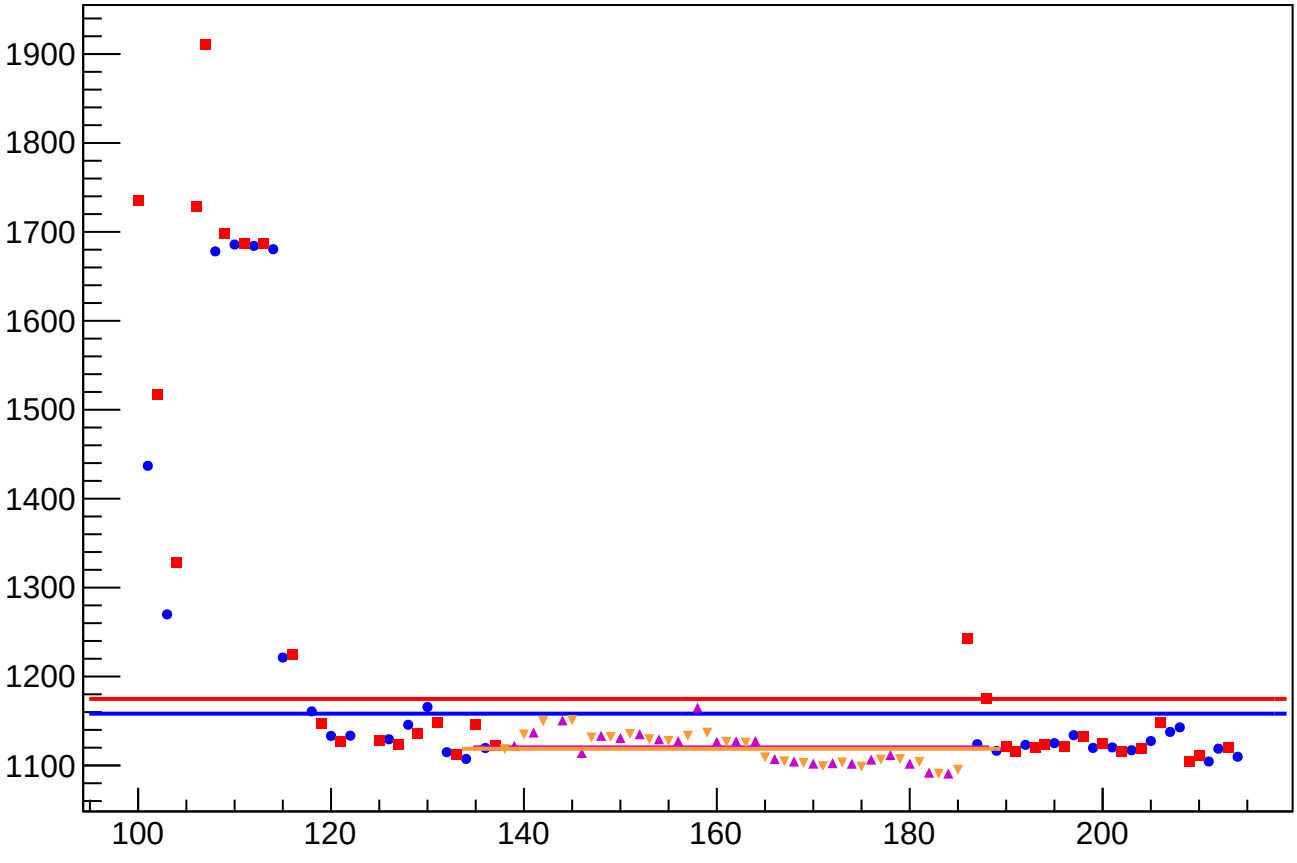
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 155.813+/-187.741 χ^2/NDF: 43.4/53

All: -55.973+/-133.086 χ^2/NDF: 108.6/109

- sign -269.896+/-188.685 χ^2/NDF: 62.6/55

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1158.249+/-0.192 χ^2/NDF: 359329.1/29

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

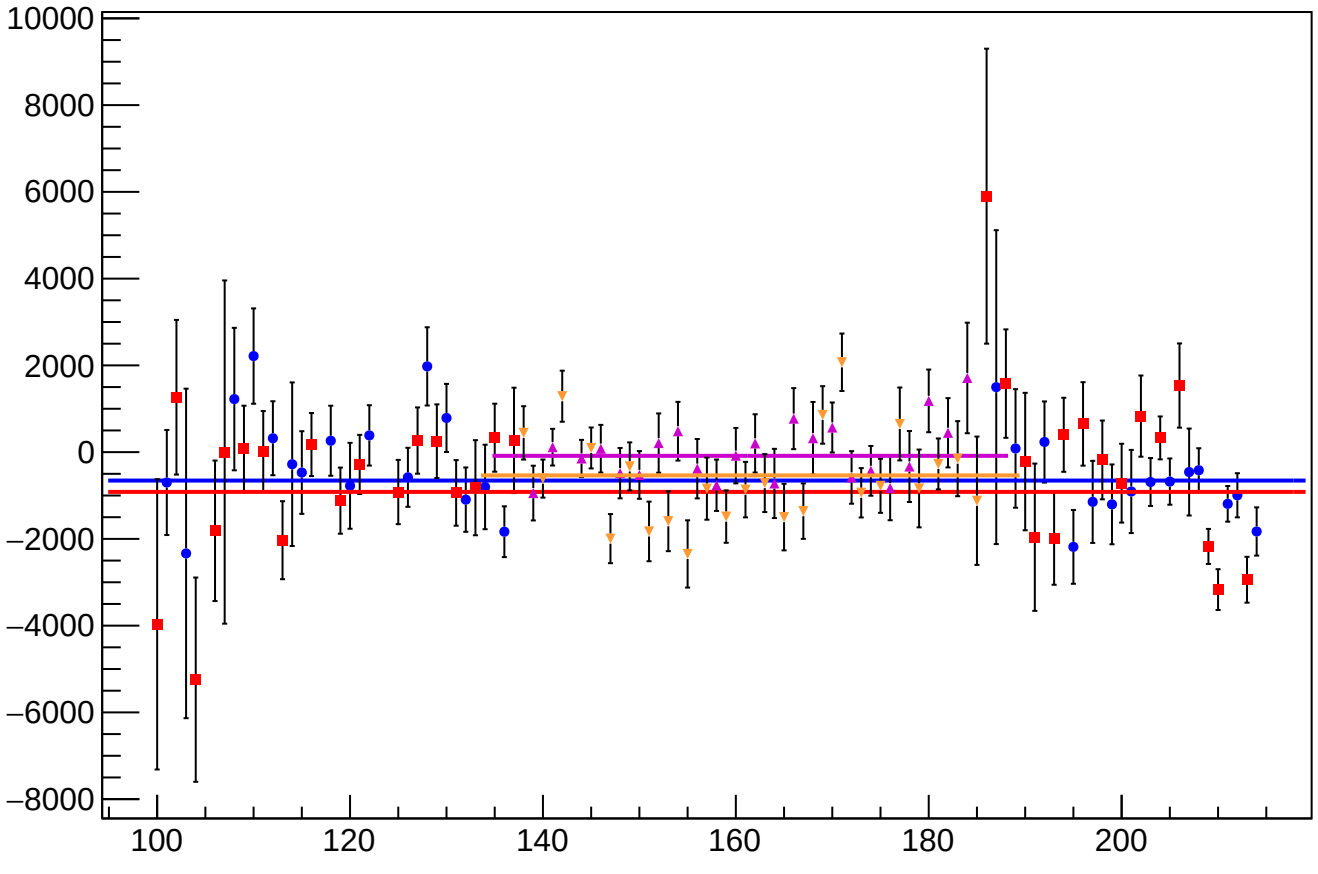
Right Out: 1174.834+/-0.193 χ^2/NDF: 565432.5/32

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1137.593+/-0.133 χ^2/NDF: 389638.8/53

All: 1142.008+/-0.094 χ^2/NDF: 1008459.2/10

- sign 1146.468+/-0.133 χ^2/NDF: 616596.8/55



Right In: -655.397+/-139.532 χ^2/NDF: 42.0/29

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

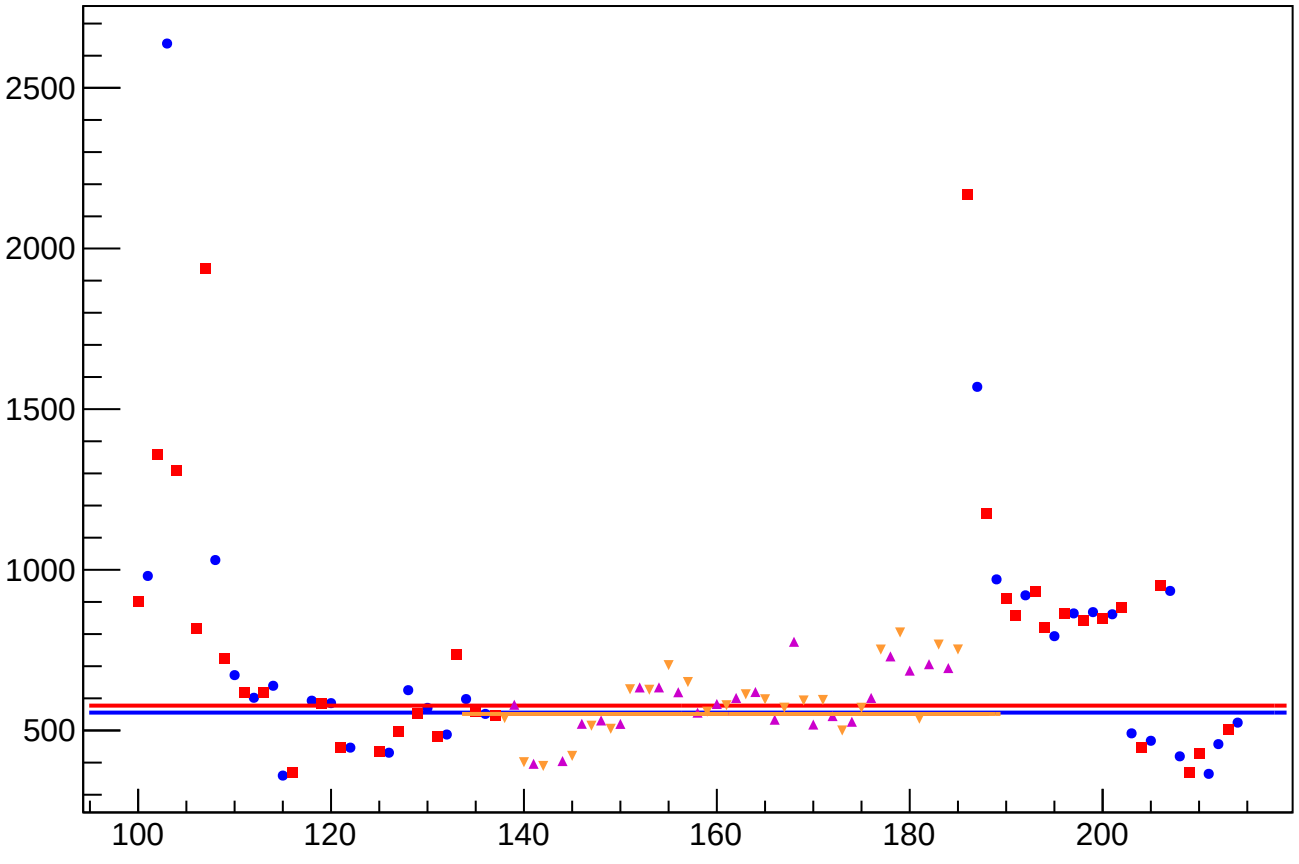
Right Out: -916.737+/-144.694 χ^2/NDF: 99.5/32

Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -591.739+/-95.367 χ^2/NDF: 103.9/53

All: -526.898+/-68.039 χ^2/NDF: 239.6/109

- sign -459.682+/-97.098 χ^2/NDF: 134.7/55



Right In: 555.607+/-0.099 χ^2/NDF: 3760397.7/29

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

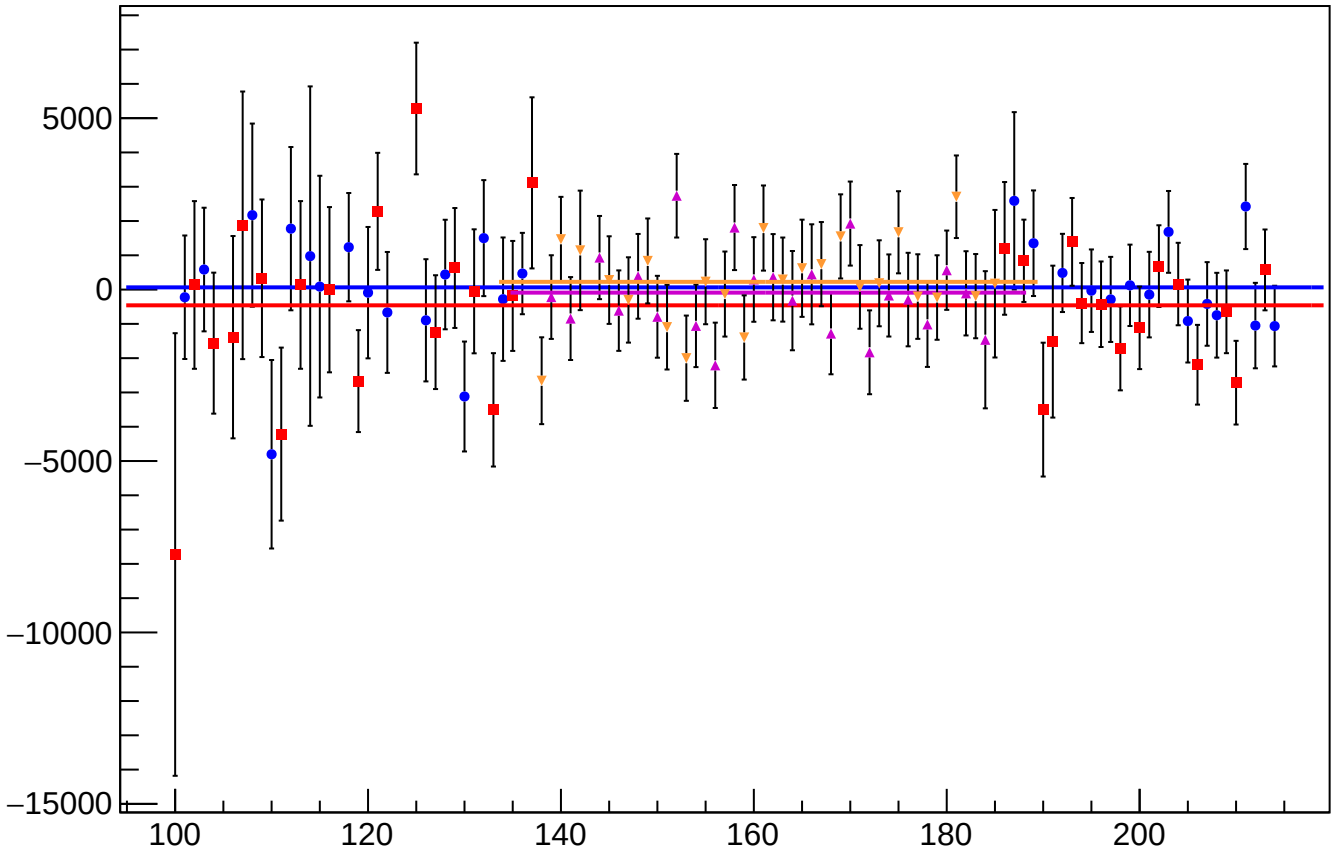
Right Out: 577.345+/-0.102 χ^2/NDF: 4712819.4/32

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 553.386+/-0.067 χ^2/NDF: 4987980.8/53

All: 558.130+/-0.048 χ^2/NDF: 10808134.6/10

- sign 563.048+/-0.069 χ^2/NDF: 5810074.4/55



Right In: 64.981+/-272.971 χ^2/NDF: 20.6/29

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -459.061+/-274.680 χ^2/NDF: 40.0/32

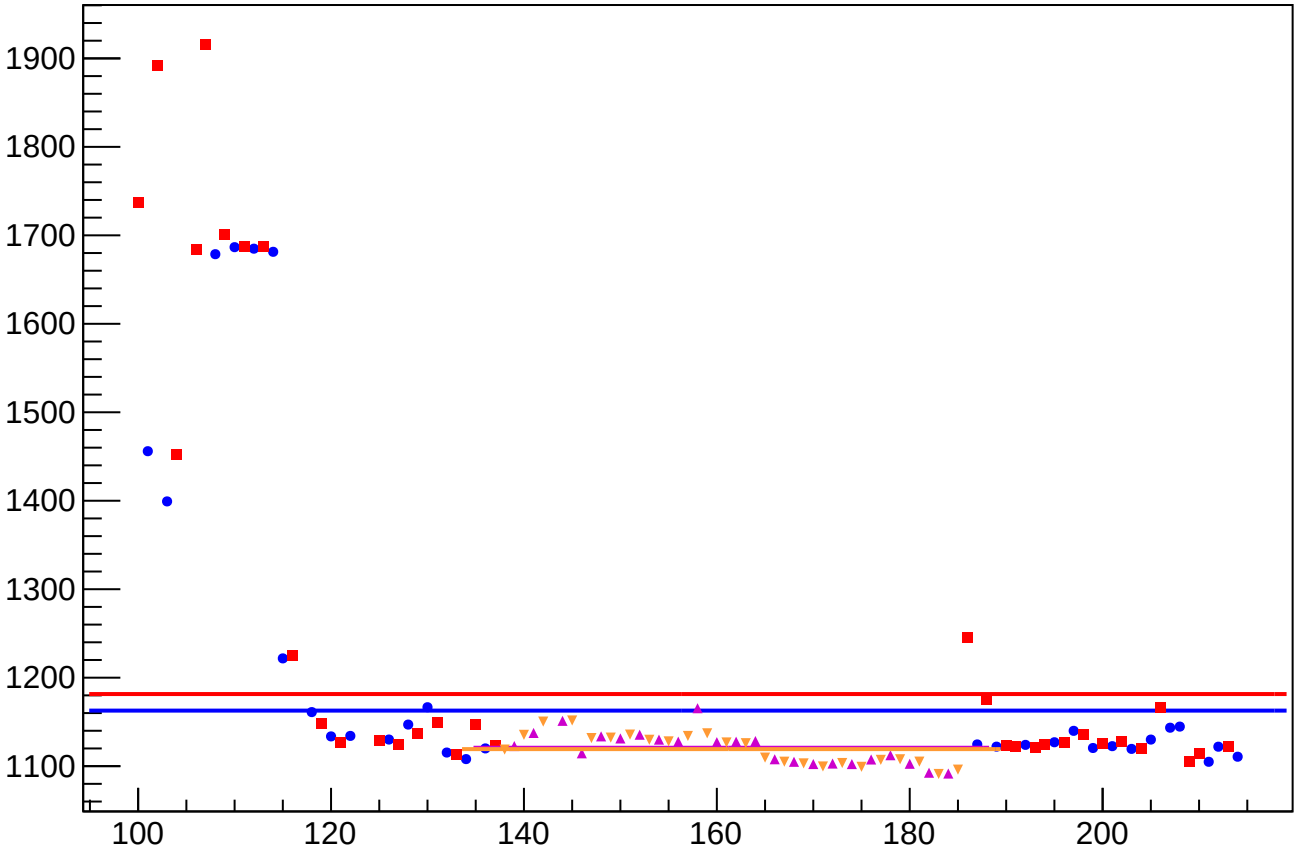
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 149.283+/-188.202 χ^2/NDF: 43.0/53

All: -56.524+/-133.528 χ^2/NDF: 106.9/109

- sign -265.133+/-189.479 χ^2/NDF: 61.5/55

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1162.783+/-0.193 χ^2/NDF: 388018.3/29

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1181.499+/-0.194 χ^2/NDF: 685265.5/32

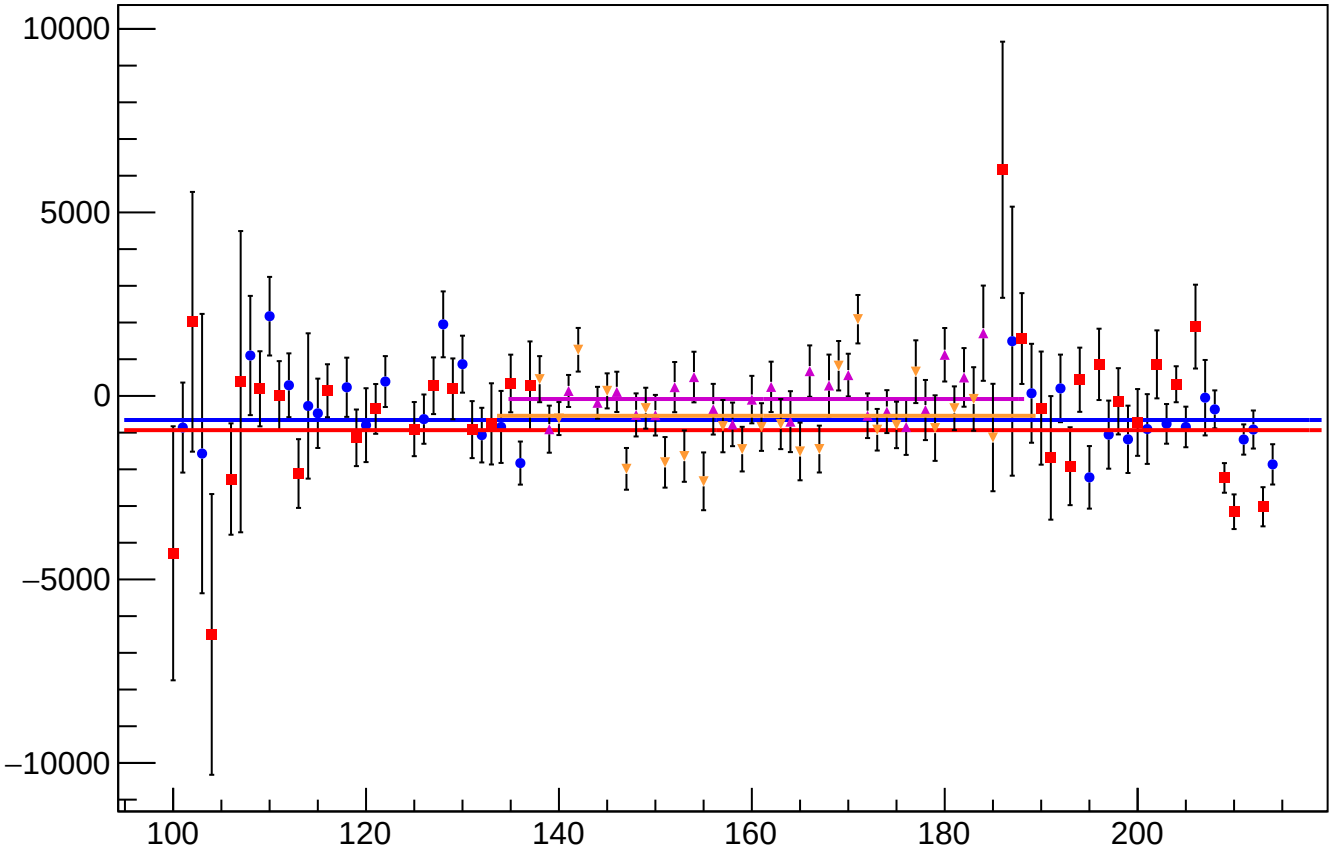
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1139.947+/-0.133 χ^2/NDF: 422838.6/53

All: 1144.783+/-0.094 χ^2/NDF: 1171379.5/10

- sign 1149.684+/-0.134 χ^2/NDF: 745882.7/55

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -655.947+/-139.902 χ^2/NDF: 42.7/29

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -932.453+/-146.016 χ^2/NDF: 99.7/32

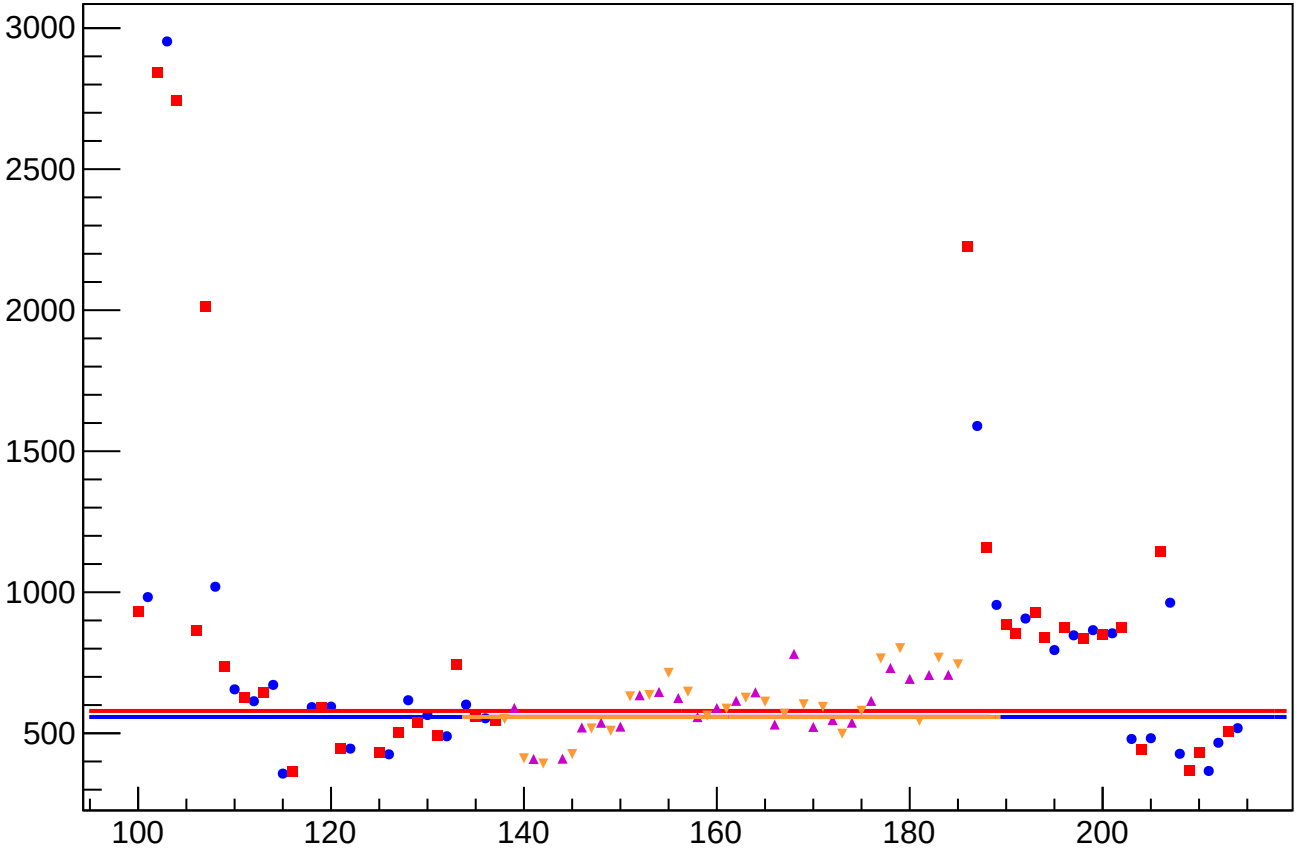
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -595.455+/-96.015 χ^2/NDF: 103.9/53

All: -532.815+/-68.633 χ^2/NDF: 239.3/109

- sign -467.367+/-98.143 χ^2/NDF: 134.6/55

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 557.595+/-0.099 χ^2/NDF: 3893158.4/29

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 579.156+/-0.103 χ^2/NDF: 5844852.6/32

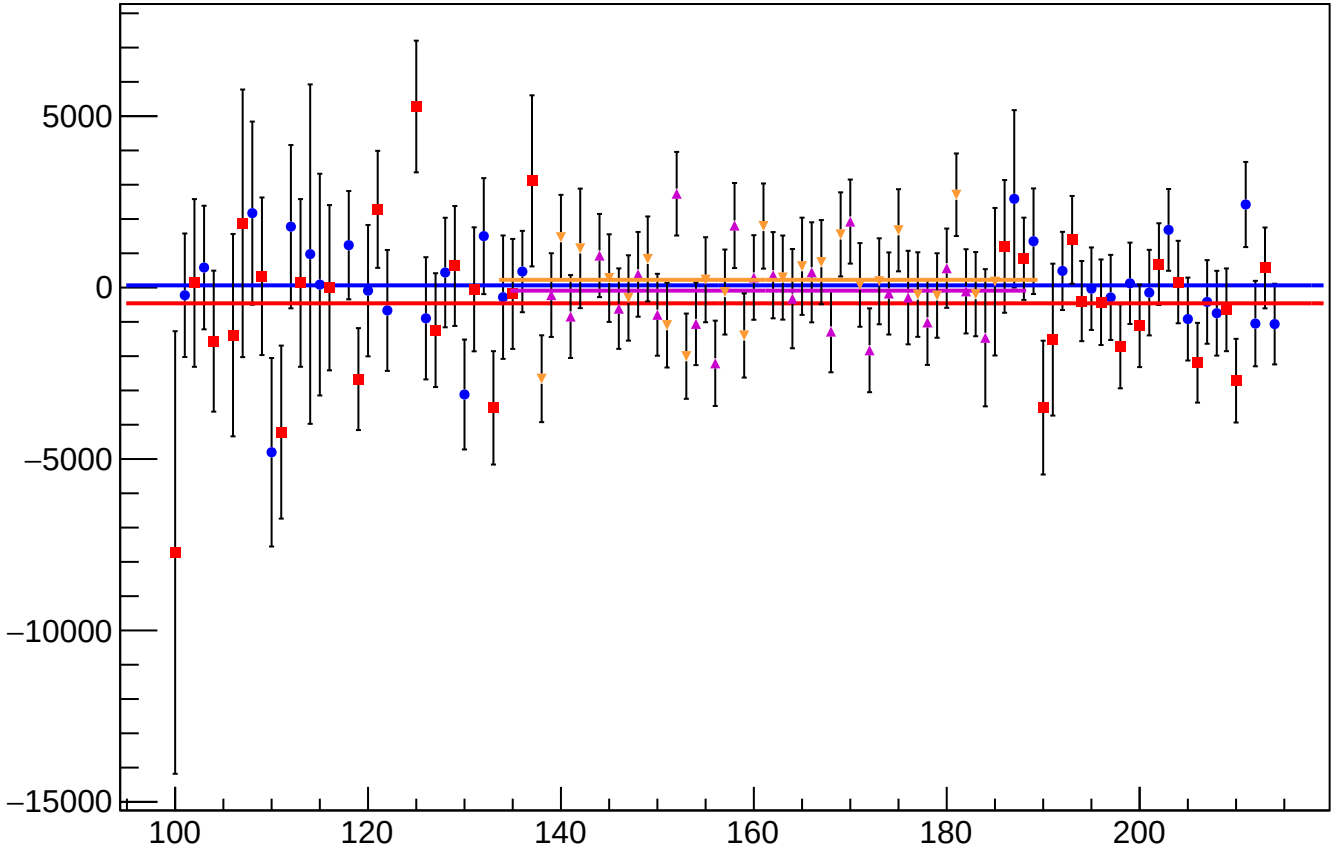
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 557.593+/-0.068 χ^2/NDF: 5086428.6/53

All: 562.572+/-0.049 χ^2/NDF: 11992260.3/10

- sign 567.773+/-0.069 χ^2/NDF: 6894837.6/55

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 64.982+/-272.971 χ^2/NDF: 20.6/29

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -459.060+/-274.680 χ^2/NDF: 40.0/32

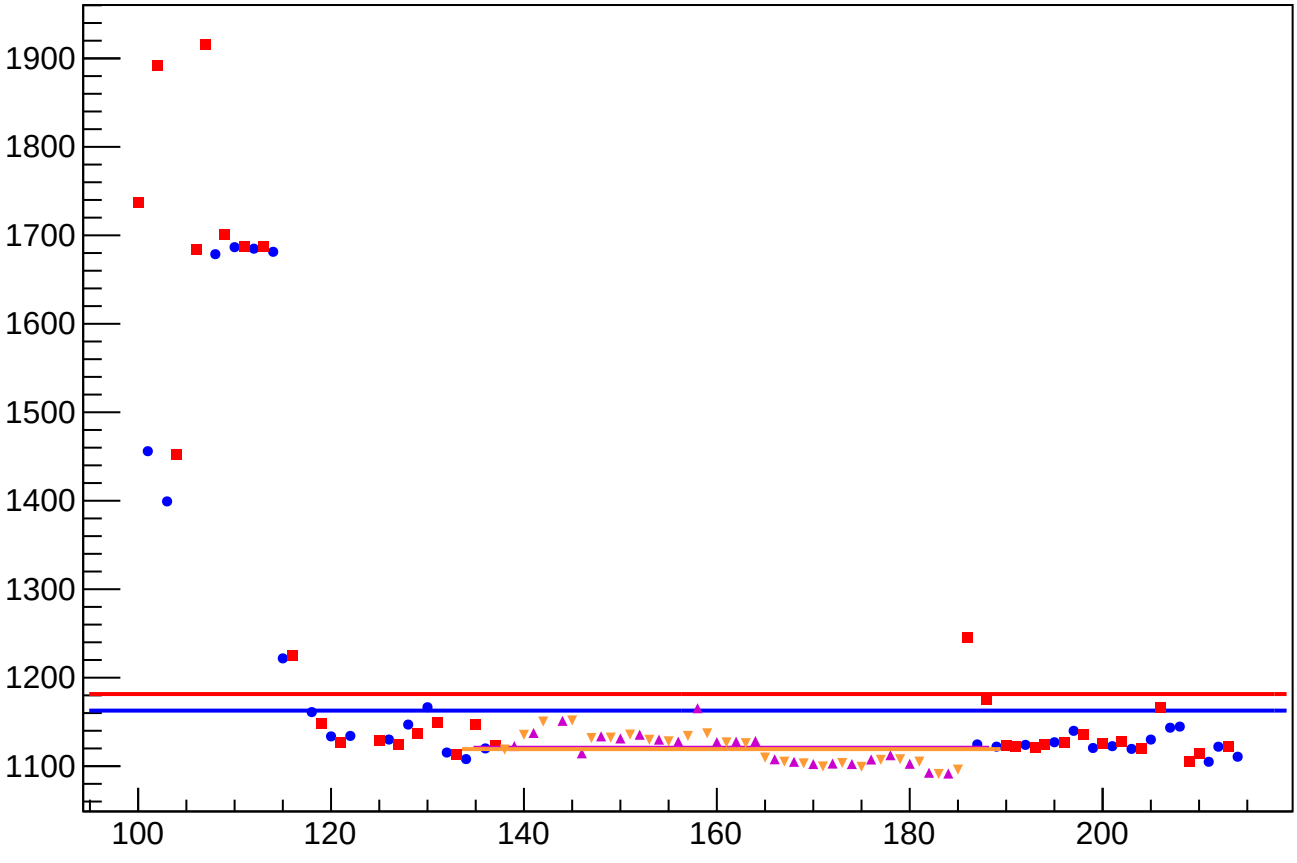
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 149.283+/-188.202 χ^2/NDF: 43.0/53

All: -56.524+/-133.528 χ^2/NDF: 106.9/109

- sign -265.133+/-189.479 χ^2/NDF: 61.5/55

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1162.783+/-0.193 χ^2/NDF: 388017.8/29

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

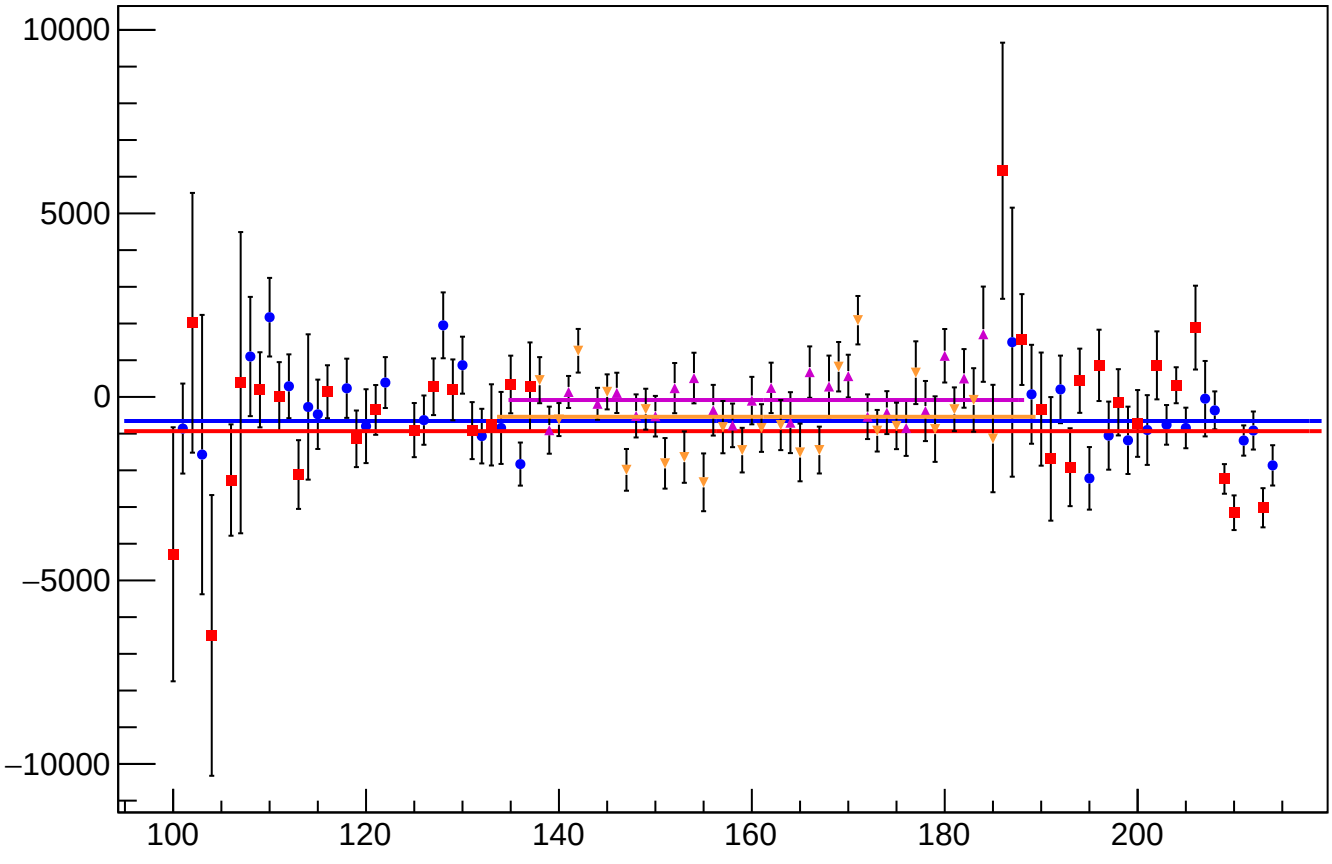
Right Out: 1181.499+/-0.194 χ^2/NDF: 685264.8/32

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1139.947+/-0.133 χ^2/NDF: 422838.0/53

All: 1144.782+/-0.094 χ^2/NDF: 1171378.2/10

- sign 1149.684+/-0.134 χ^2/NDF: 745882.0/55



Right In: -655.947+/-139.902 χ^2/NDF: 42.7/29

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -932.454+/-146.016 χ^2/NDF: 99.7/32

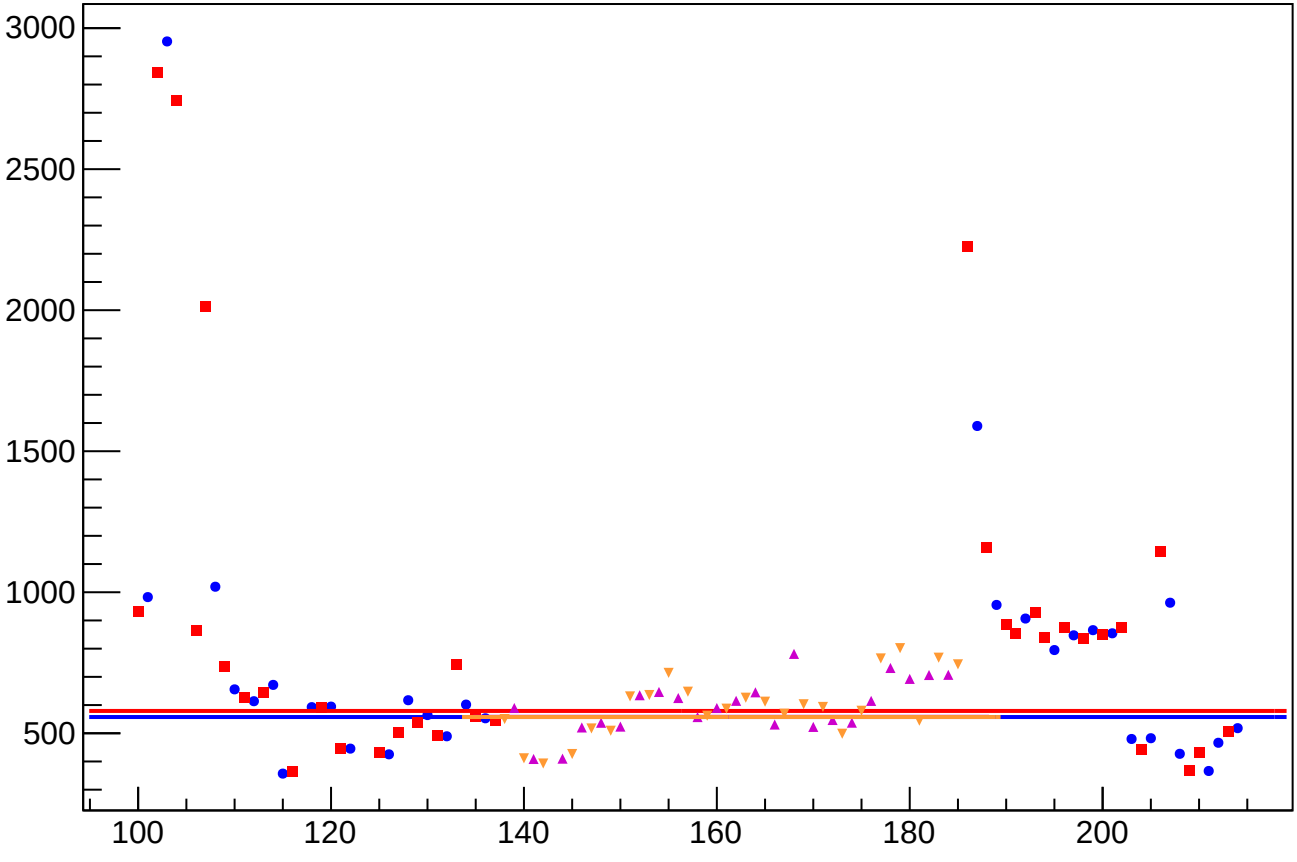
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -595.454+/-96.014 χ^2/NDF: 103.9/53

All: -532.814+/-68.632 χ^2/NDF: 239.3/109

- sign -467.367+/-98.143 χ^2/NDF: 134.6/55

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 557.595+/-0.099 χ^2/NDF: 3893160.6/29

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 579.156+/-0.103 χ^2/NDF: 5844860.1/32

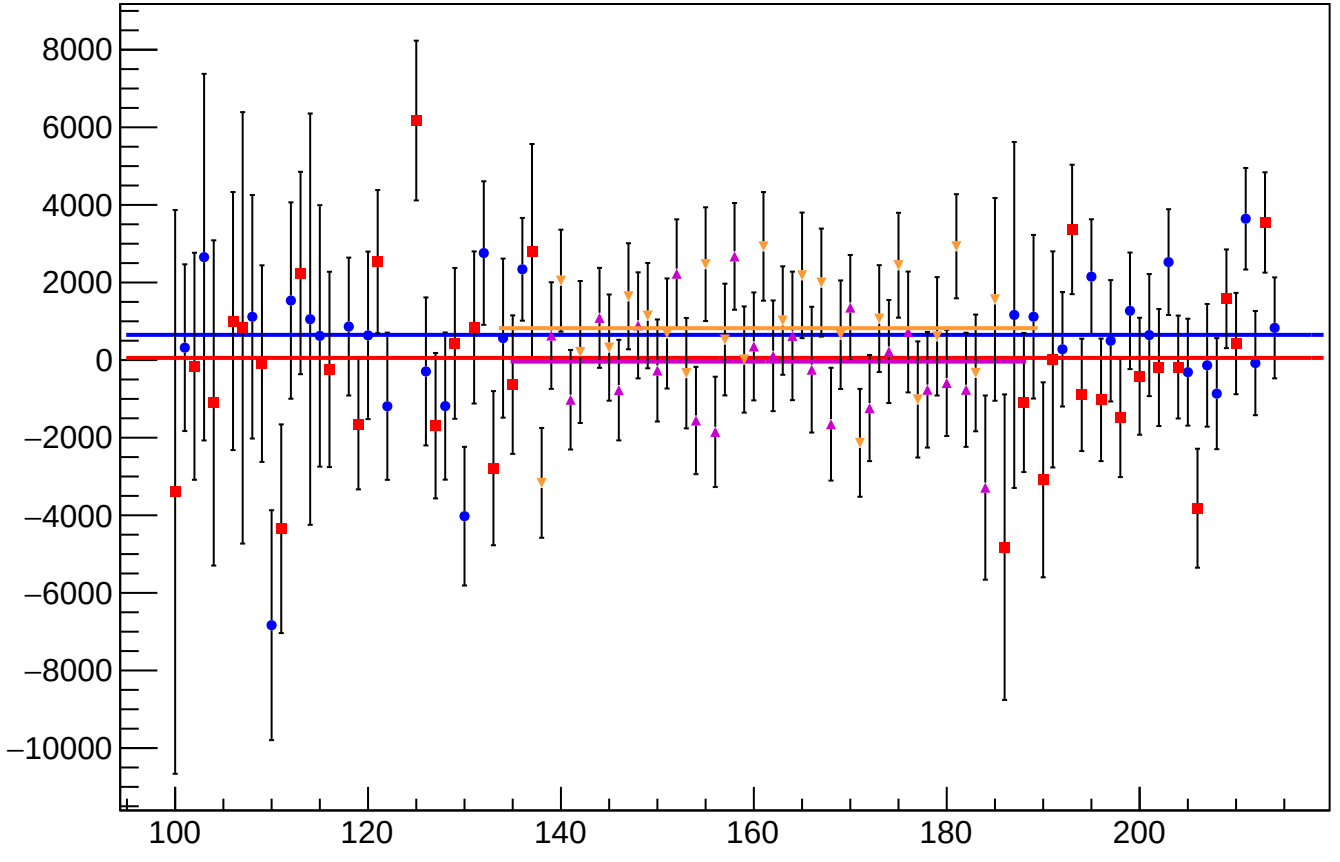
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 557.593+/-0.068 χ^2/NDF: 5086451.8/53

All: 562.571+/-0.049 χ^2/NDF: 11992306.3/10

- sign 567.773+/-0.069 χ^2/NDF: 6894860.2/55

asym_usl_atl1_dd_mean vs Slug



Right In: 650.632+/-321.714 χ^2/NDF: 29.3/29

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 56.293+/-327.723 χ^2/NDF: 44.4/32

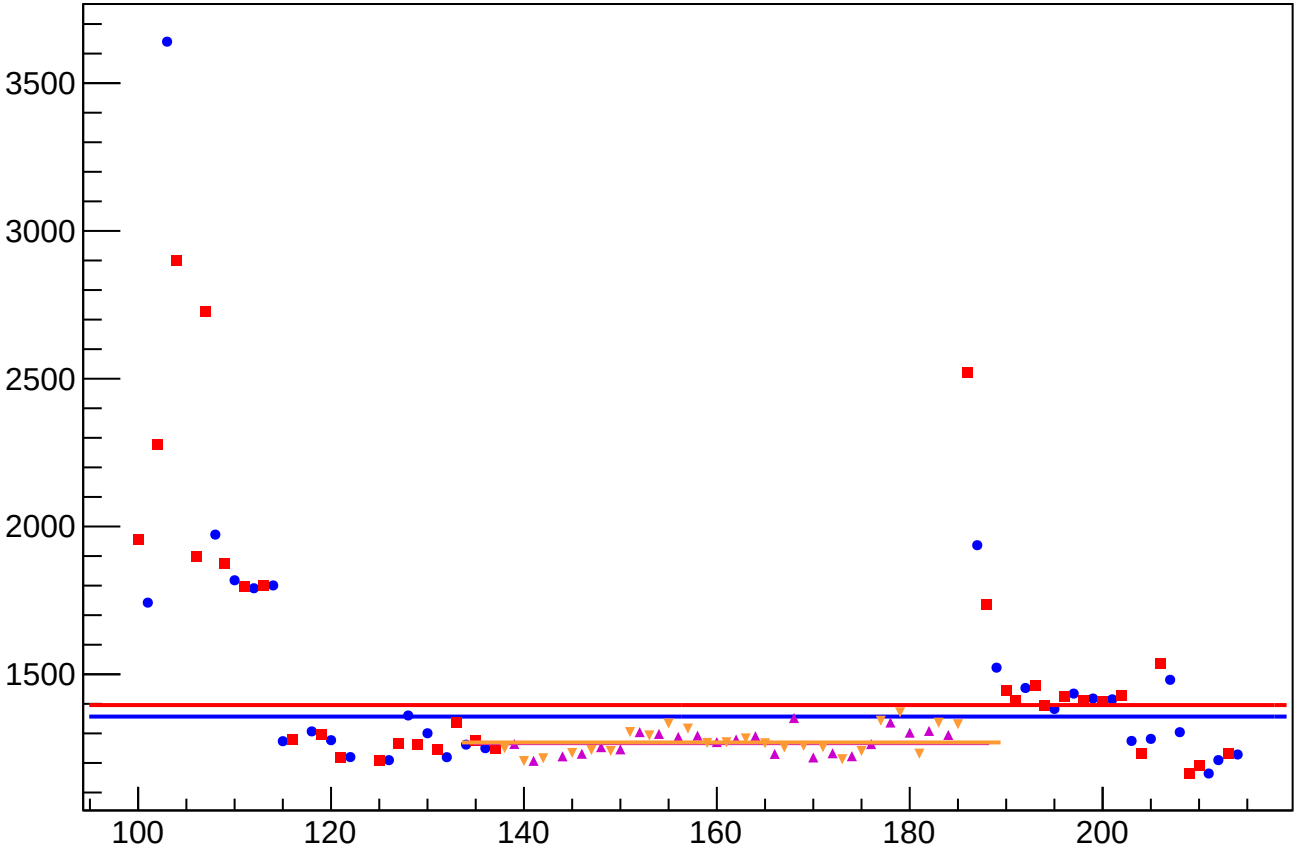
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

\+ sign 744.490+/-217.362 χ^2/NDF: 55.6/53

All: 377.869+/-154.507 χ^2/NDF: 123.7/109

\- sign 3.430+/-219.667 χ^2/NDF: 62.3/55

asym_usl_atl1_dd_rms vs Slug



Right In: 1356.923+/-0.227 χ^2/NDF: 969672.8/29

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1395.859+/-0.232 χ^2/NDF: 1303559.1/32

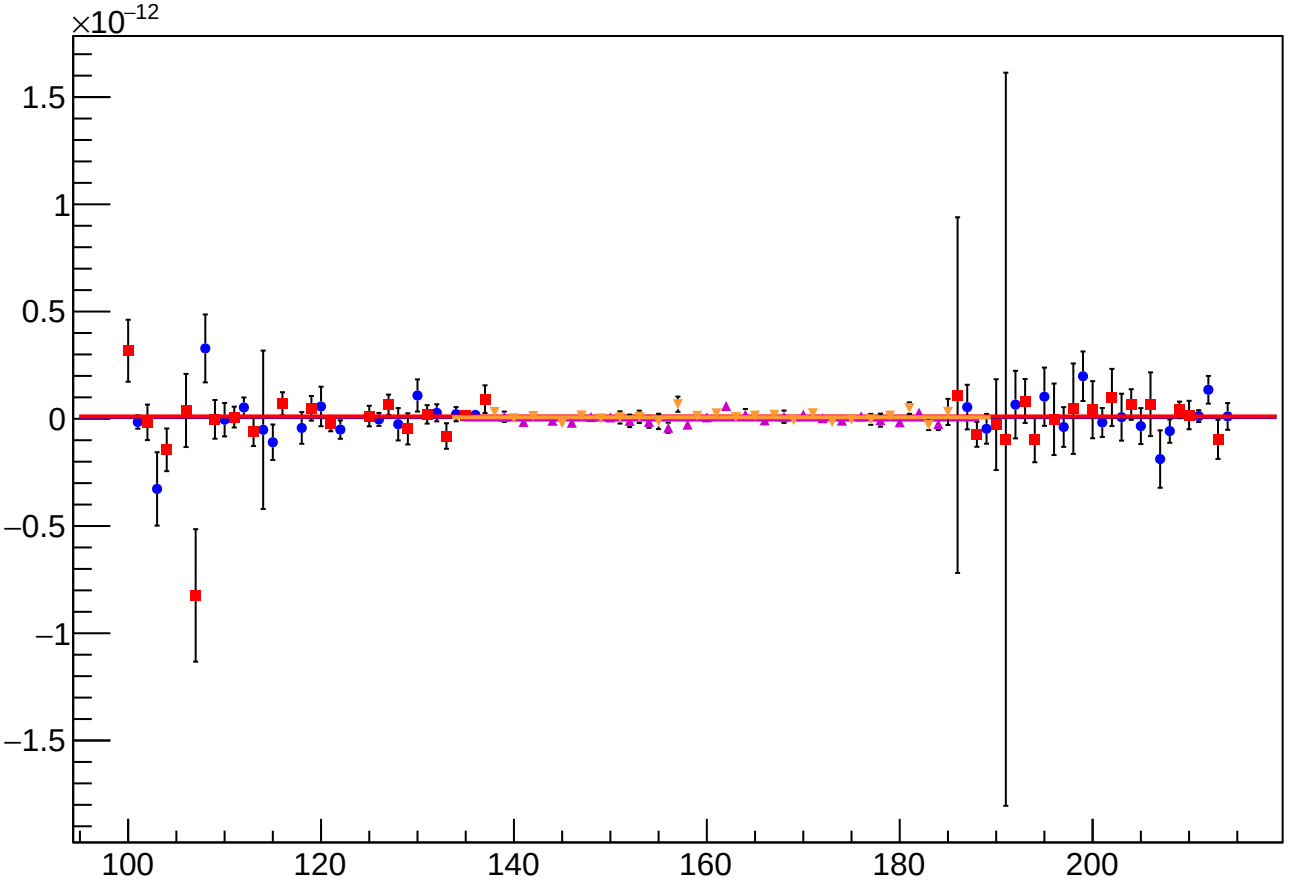
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1309.375+/-0.154 χ^2/NDF: 1093091.9/53

All: 1317.071+/-0.109 χ^2/NDF: 2606376.0/10

- sign 1324.930+/-0.155 χ^2/NDF: 1508217.1/55

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

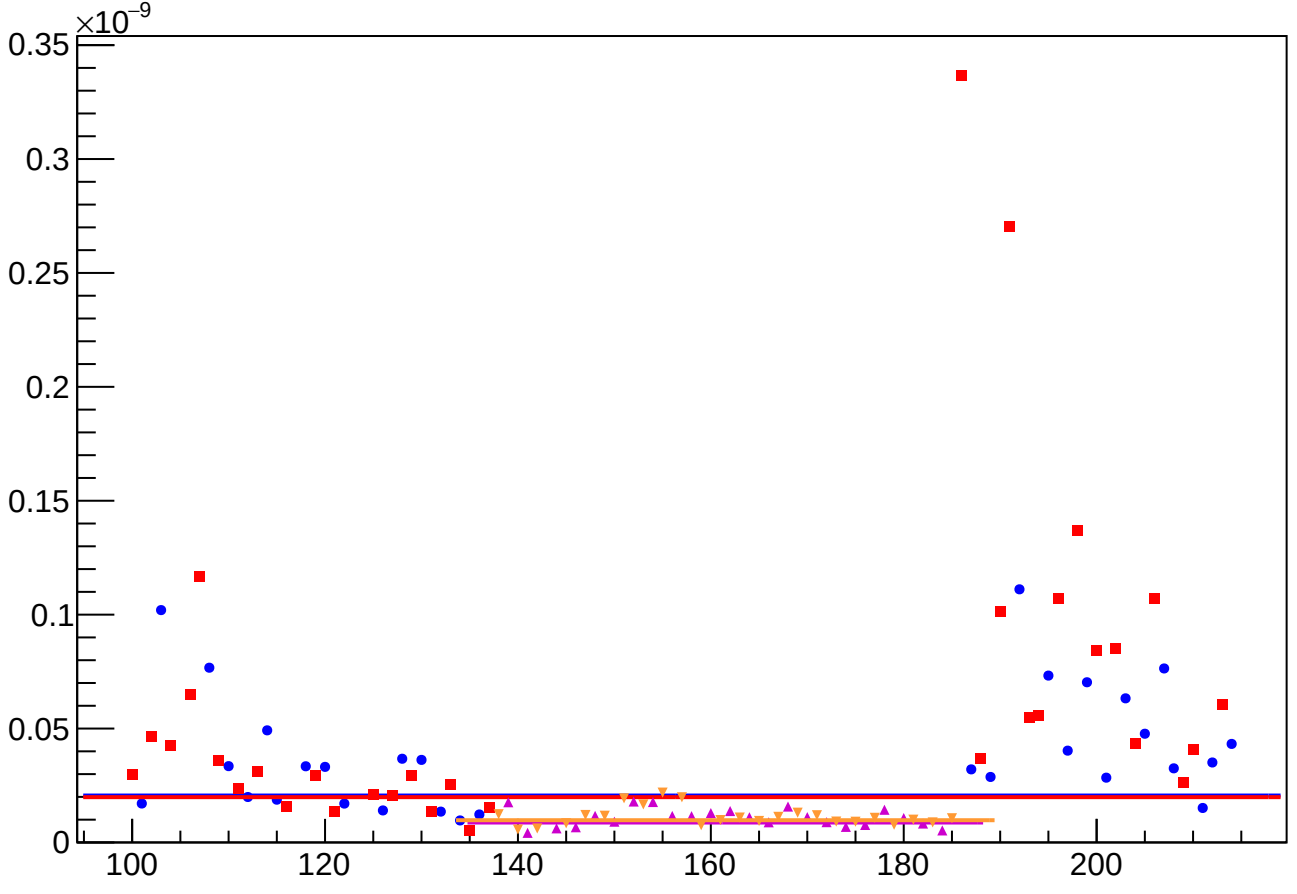
Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/32

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.9/53

All: 0.000+/-0.000 χ^2/NDF: 107.9/109

- sign -0.000+/-0.000 χ^2/NDF: 55.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 4742781.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7731867.5/32

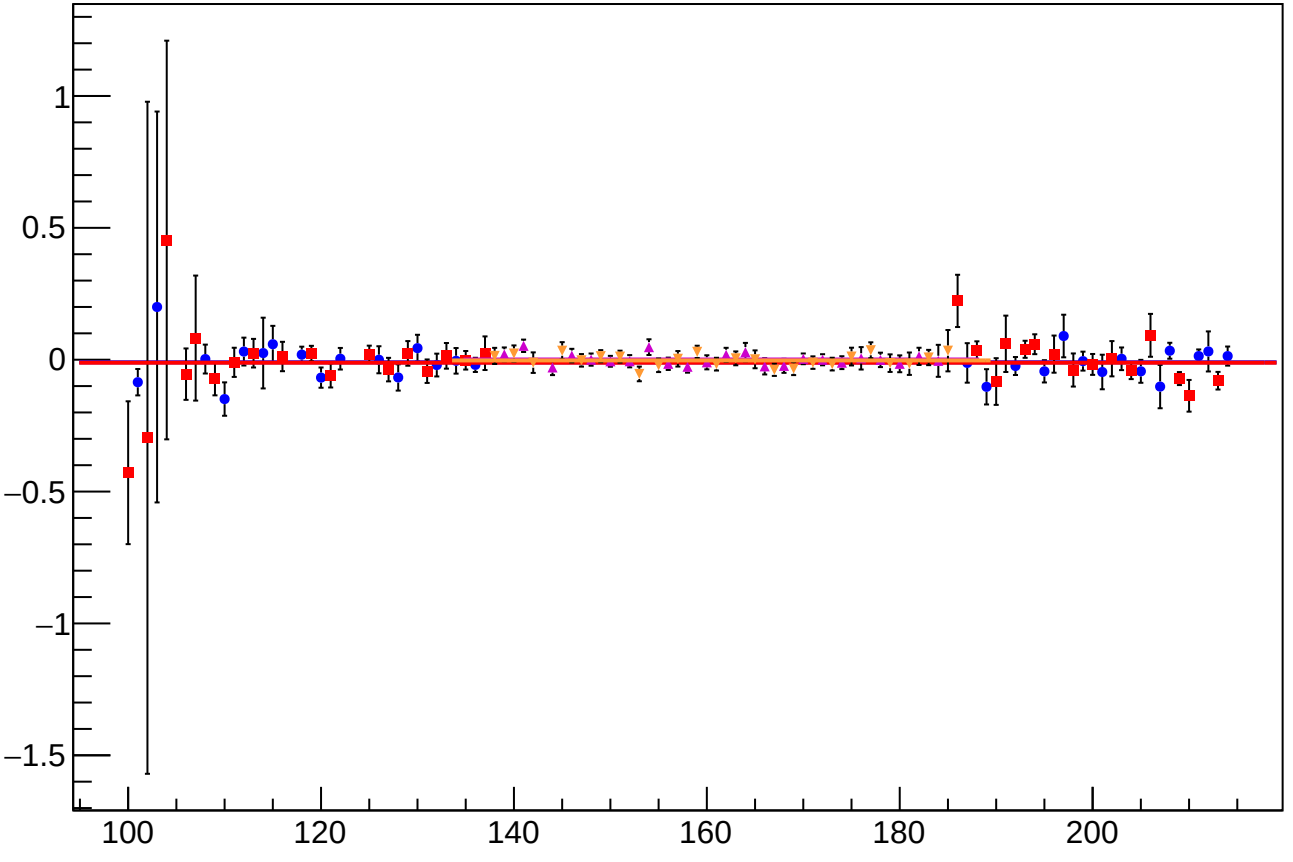
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8437864.9/53

All: 0.000+/-0.000 χ^2/NDF: 20559346.2/109

- sign 0.000+/-0.000 χ^2/NDF: 11998102.8/55

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.008 χ^2/NDF: 25.2/29

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.011+/-0.008 χ^2/NDF: 42.0/32

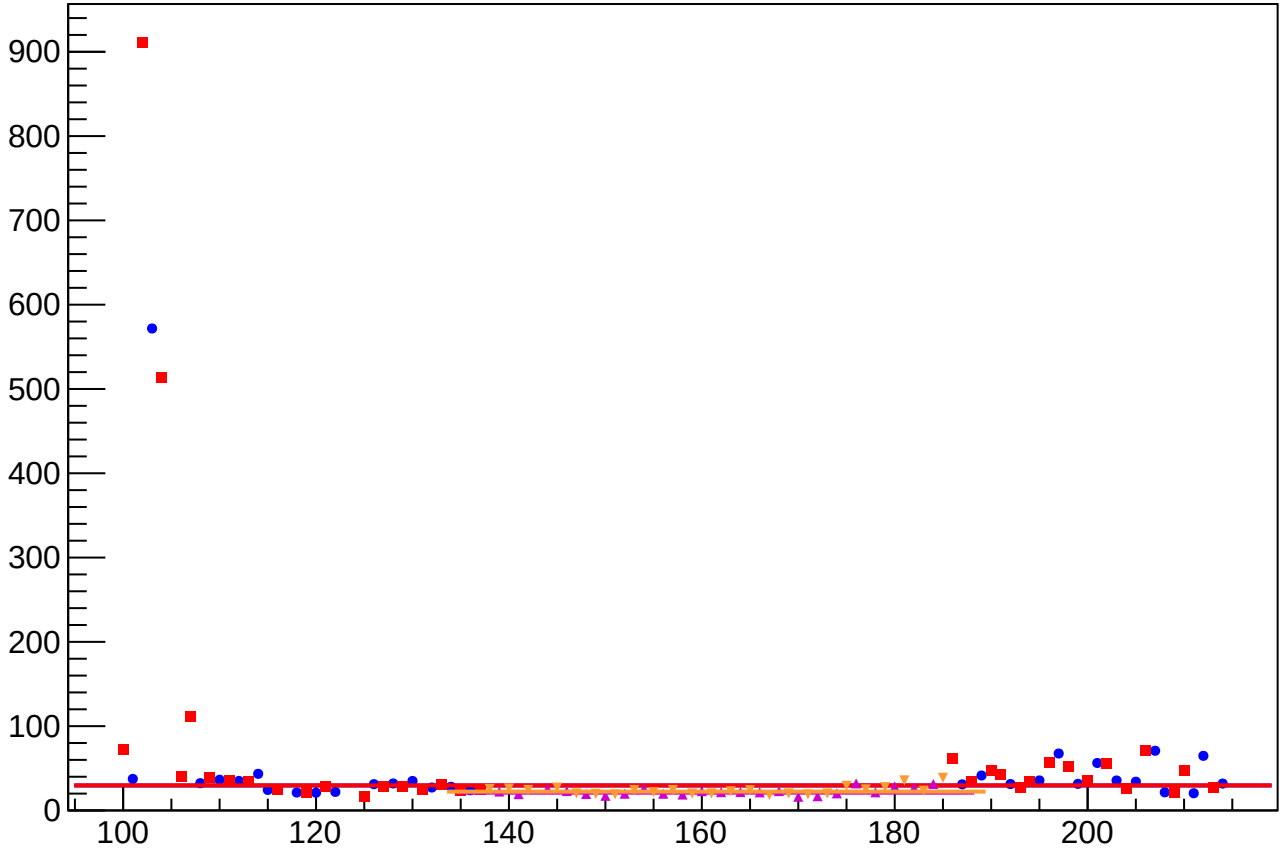
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.1/53

All: -0.004+/-0.003 χ^2/NDF: 100.6/109

- sign -0.003+/-0.005 χ^2/NDF: 58.4/55

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.611+/-0.006 χ^2/NDF: 3949782.9/29

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

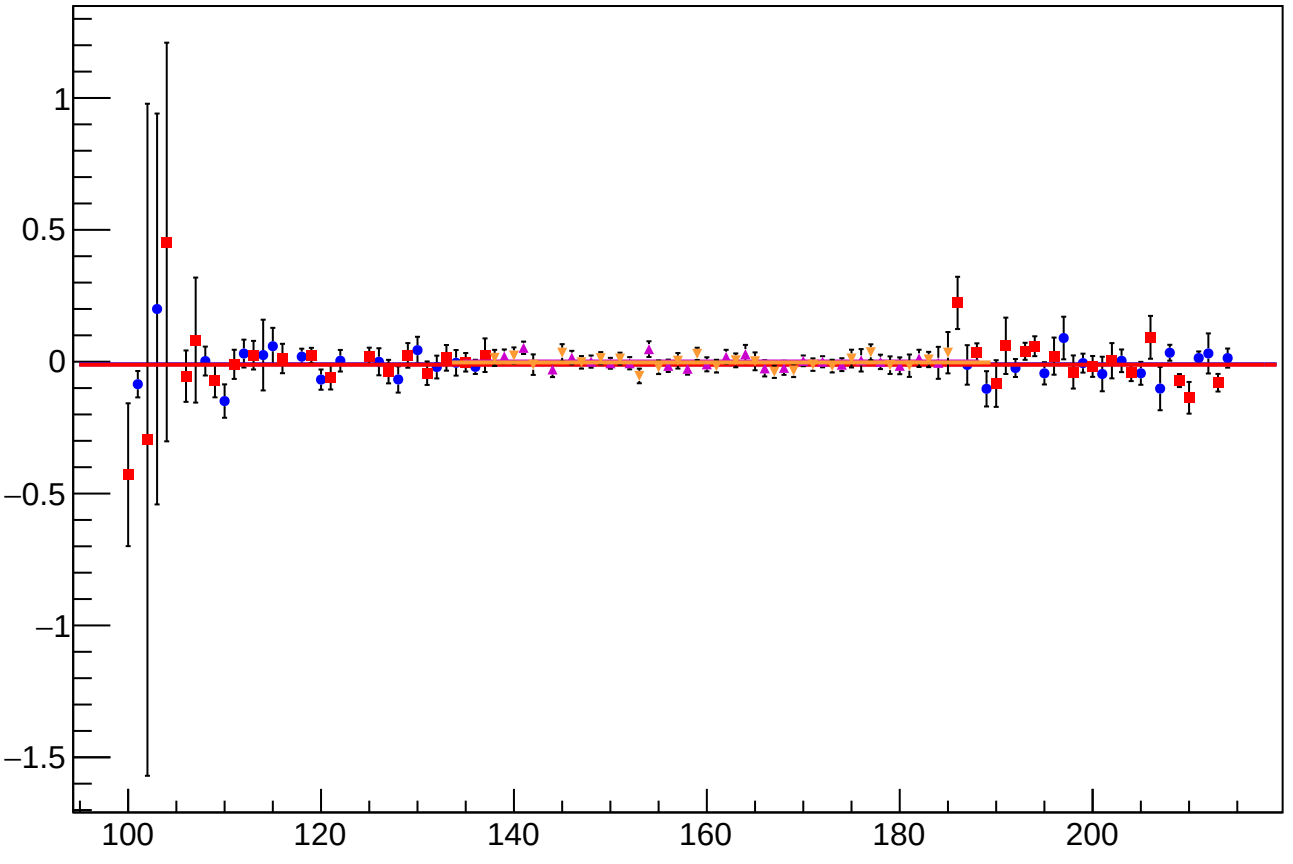
Right Out: 29.748+/-0.006 χ^2/NDF: 5042661.0/32

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.757+/-0.003 χ^2/NDF: 5844571.2/53

All: 24.250+/-0.002 χ^2/NDF: 13297076.4/109

\- sign 23.766+/-0.003 χ^2/NDF: 7406100.4/55



Right In: -0.010+/-0.008 χ^2/NDF: 25.2/29

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

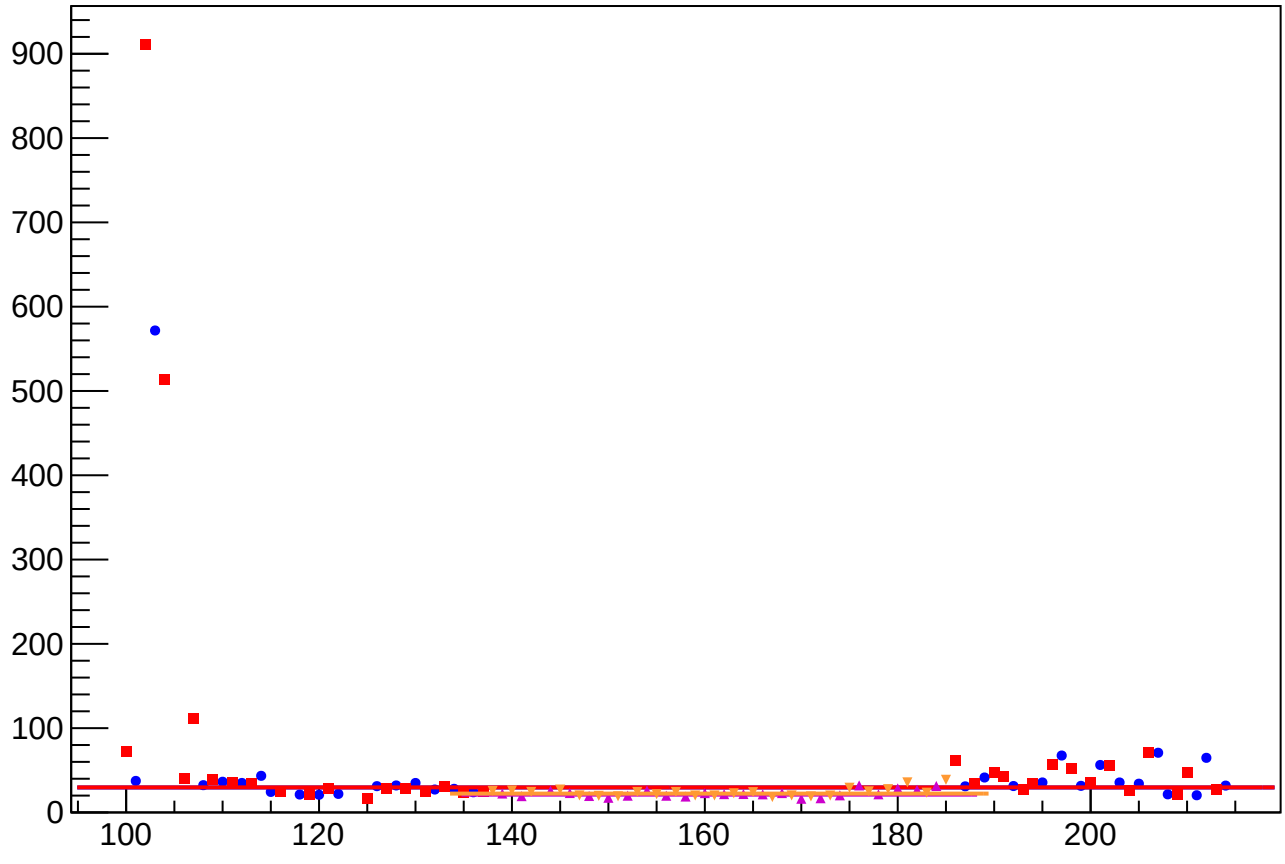
Right Out: -0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.1/53

All: -0.004+/-0.003 χ^2/NDF: 100.6/109

- sign -0.003+/-0.005 χ^2/NDF: 58.4/55



Right In: 29.611+/-0.006 χ^2/NDF: 3949782.9/29

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

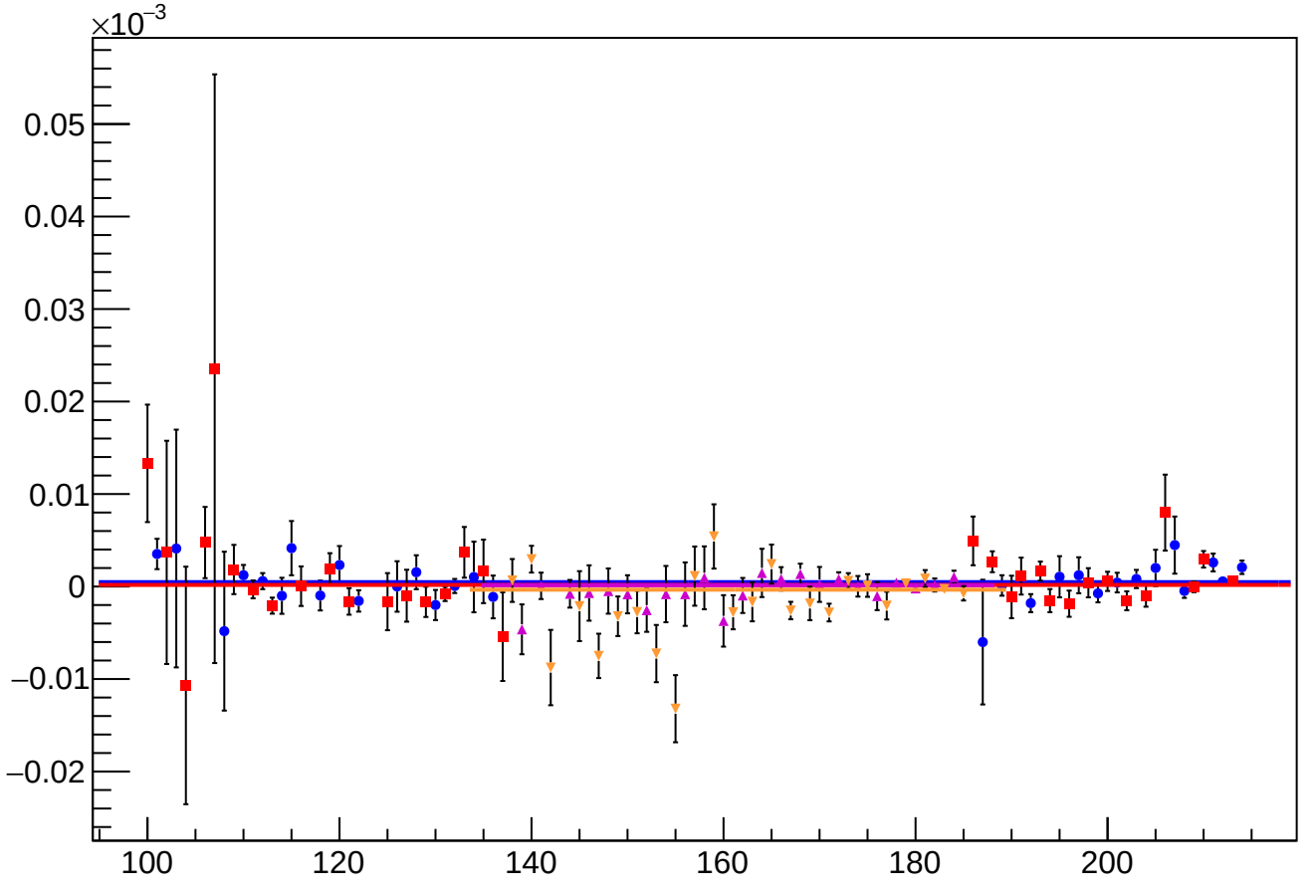
Right Out: 29.748+/-0.006 χ^2/NDF: 5042661.0/32

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.757+/-0.003 χ^2/NDF: 5844571.2/53

All: 24.250+/-0.002 χ^2/NDF: 13297076.4/109

\- sign 23.766+/-0.003 χ^2/NDF: 7406100.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 36.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 56.5/32

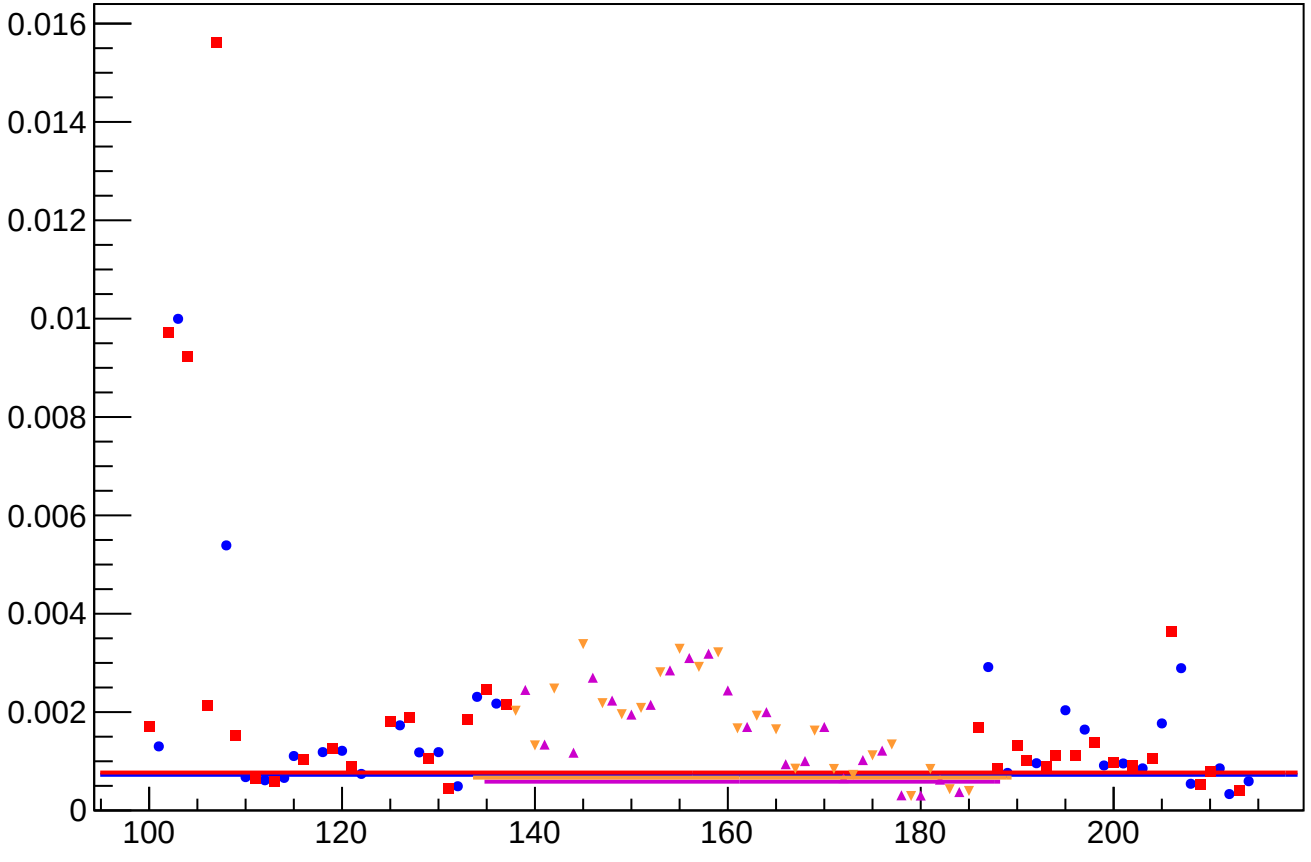
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 112.7/53

All: 0.000+/-0.000 χ^2/NDF: 183.6/109

- sign 0.000+/-0.000 χ^2/NDF: 70.7/55

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9379556.7/29

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

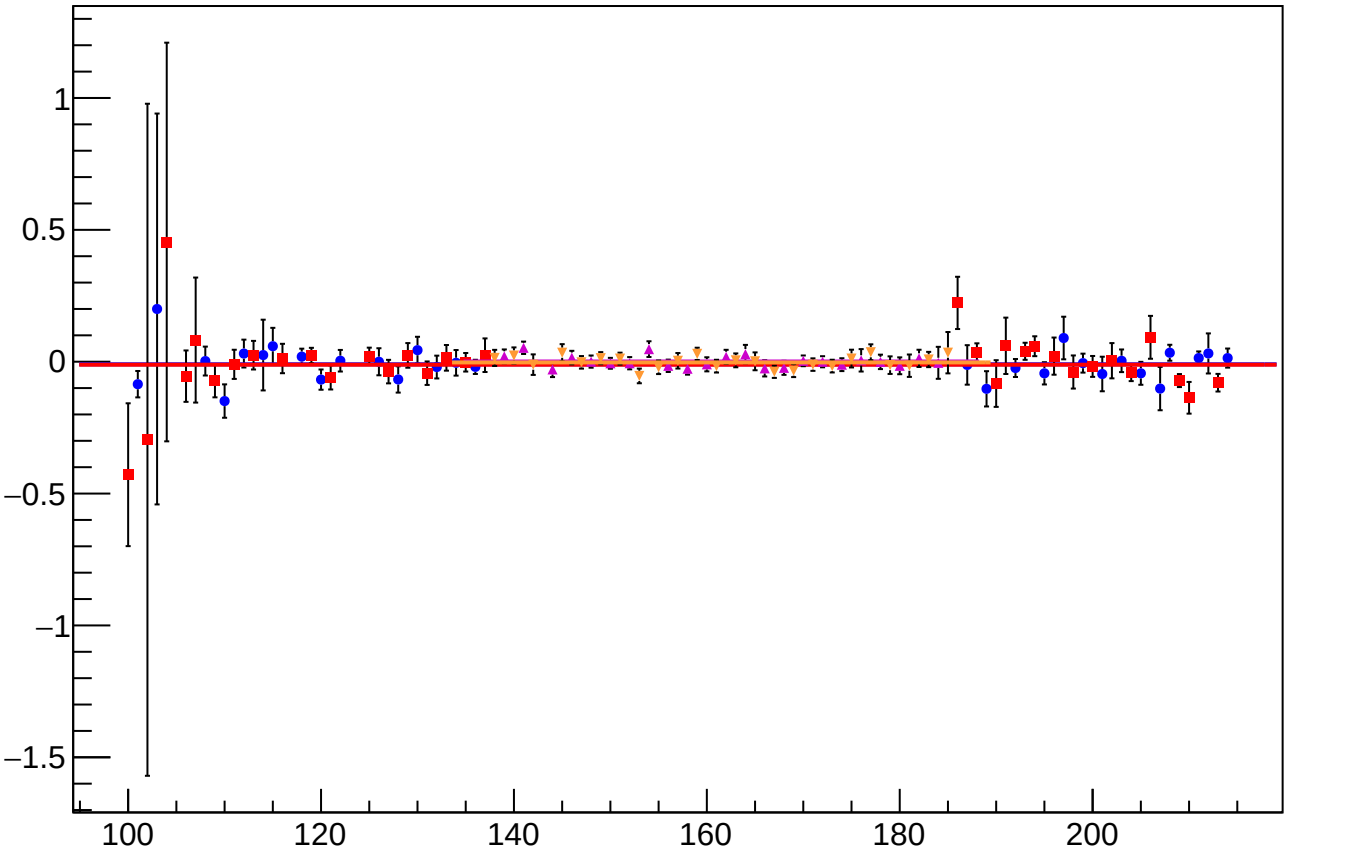
Right Out: 0.001+/-0.000 χ^2/NDF: 8807017.2/32

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 24832632.6/53

All: 0.001+/-0.000 χ^2/NDF: 50178768.1/109

- sign 0.001+/-0.000 χ^2/NDF: 25296517.1/55



Right In: -0.010+/-0.008 χ^2/NDF: 25.2/29

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

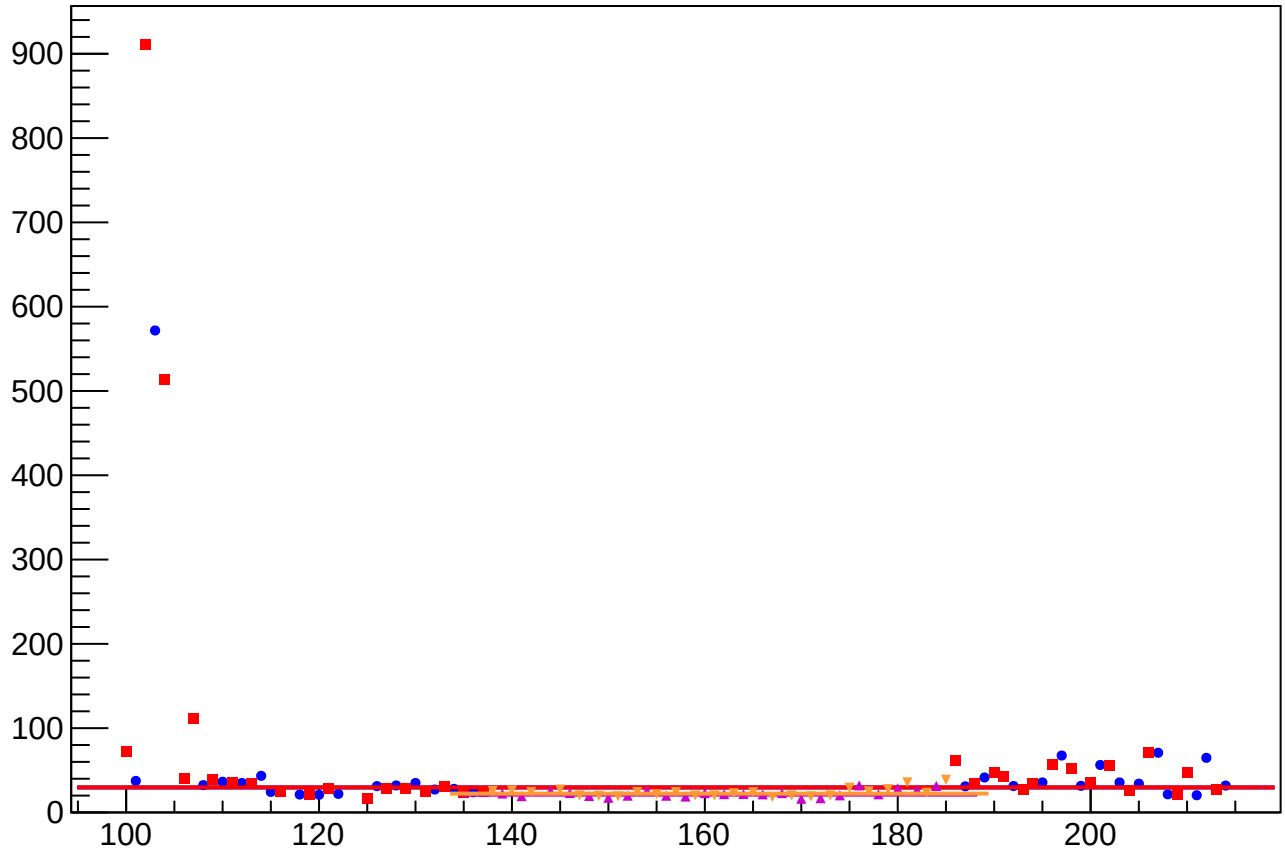
Right Out: -0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.005+/-0.005 χ^2/NDF: 42.1/53

All: -0.004+/-0.003 χ^2/NDF: 100.6/109

- sign -0.003+/-0.005 χ^2/NDF: 58.4/55



Right In: 29.611+/-0.006 χ^2/NDF: 3949838.5/29

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

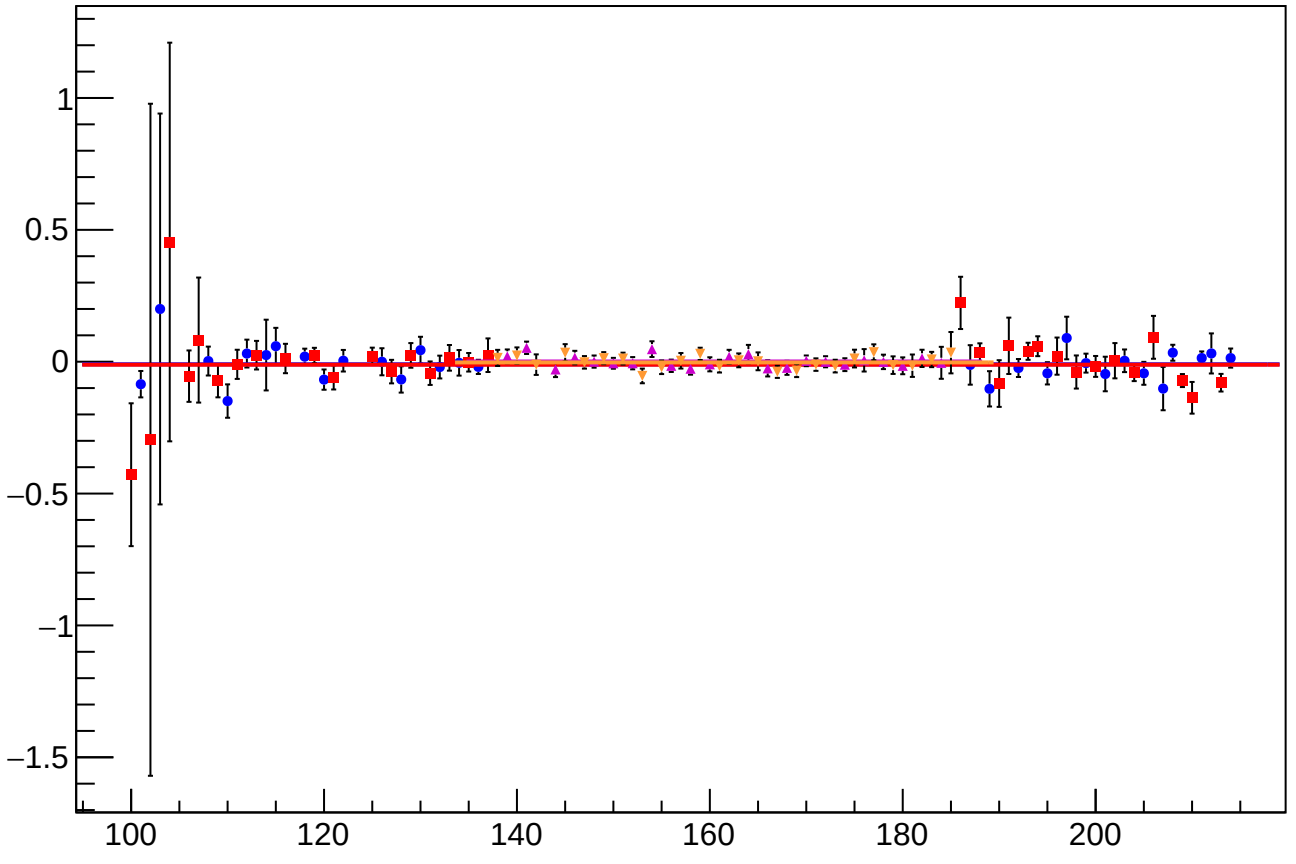
Right Out: 29.748+/-0.006 χ^2/NDF: 5042716.2/32

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.757+/-0.003 χ^2/NDF: 5844621.5/53

All: 24.250+/-0.002 χ^2/NDF: 13297220.7/109

- sign 23.766+/-0.003 χ^2/NDF: 7406196.5/55



Right In: -0.010+/-0.008 χ^2/NDF: 25.2/29

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

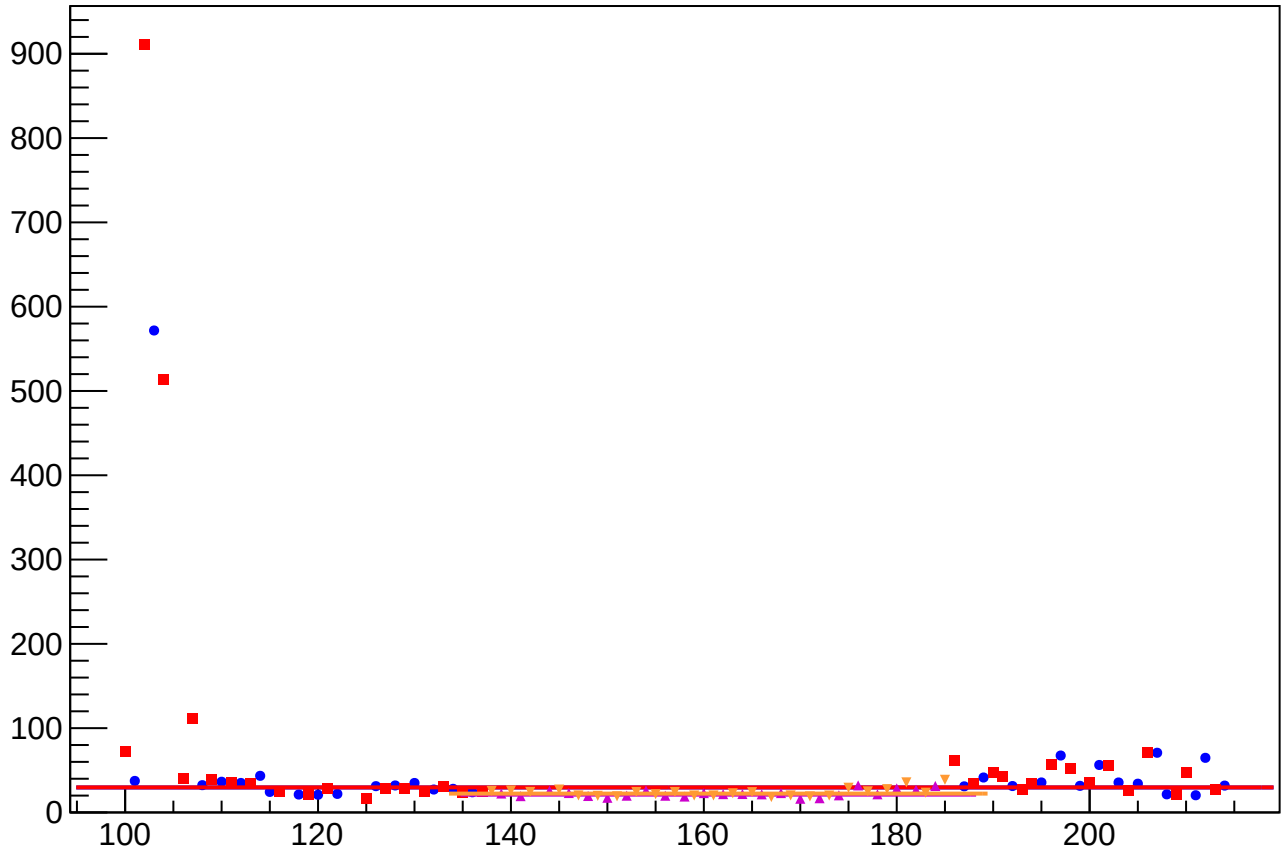
Right Out: -0.011+/-0.008 χ^2/NDF: 42.0/32

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.005+/-0.005 χ^2/NDF: 42.1/53

All: -0.004+/-0.003 χ^2/NDF: 100.6/109

\- sign -0.003+/-0.005 χ^2/NDF: 58.4/55



Right In: 29.611+/-0.006 χ^2/NDF: 3949838.5/29

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

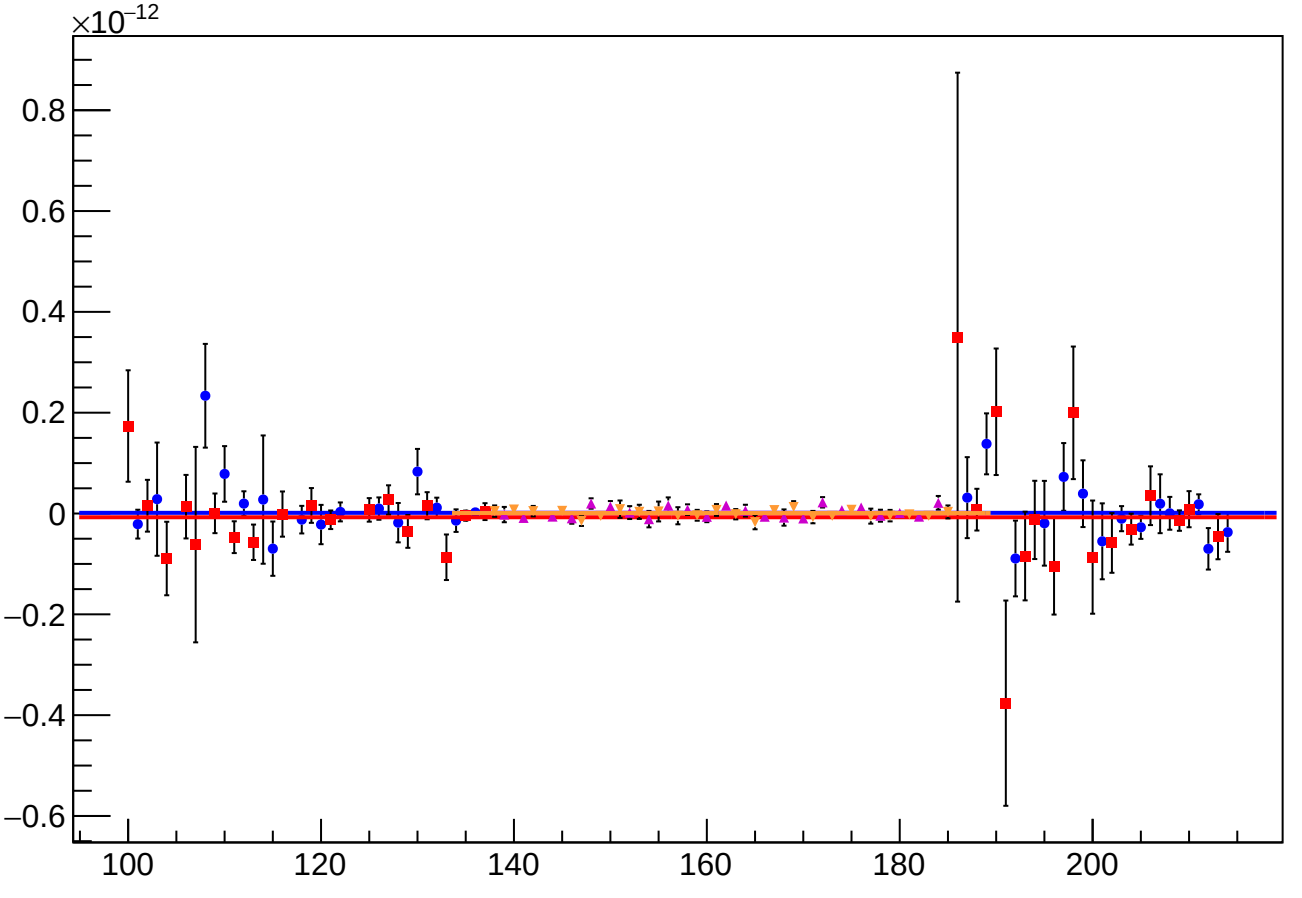
Right Out: 29.748+/-0.006 χ^2/NDF: 5042716.2/32

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.757+/-0.003 χ^2/NDF: 5844621.5/53

All: 24.250+/-0.002 χ^2/NDF: 13297220.7/109

- sign 23.766+/-0.003 χ^2/NDF: 7406196.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

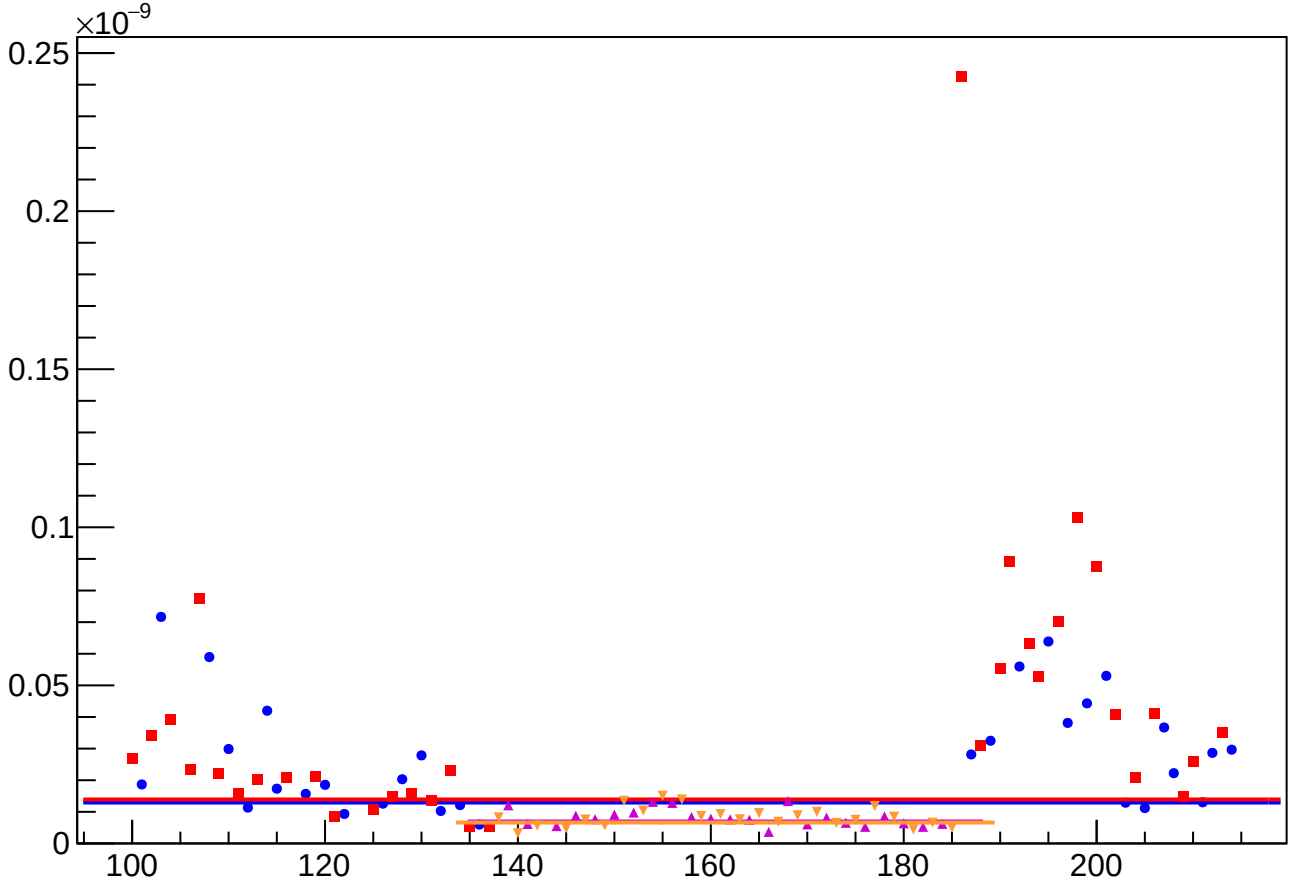
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/32

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/53

All: 0.000+/-0.000 χ^2/NDF: 99.9/109

- sign 0.000+/-0.000 χ^2/NDF: 57.7/55



Right In: 0.000+/-0.000 χ^2/NDF: 7299404.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9804153.1/32

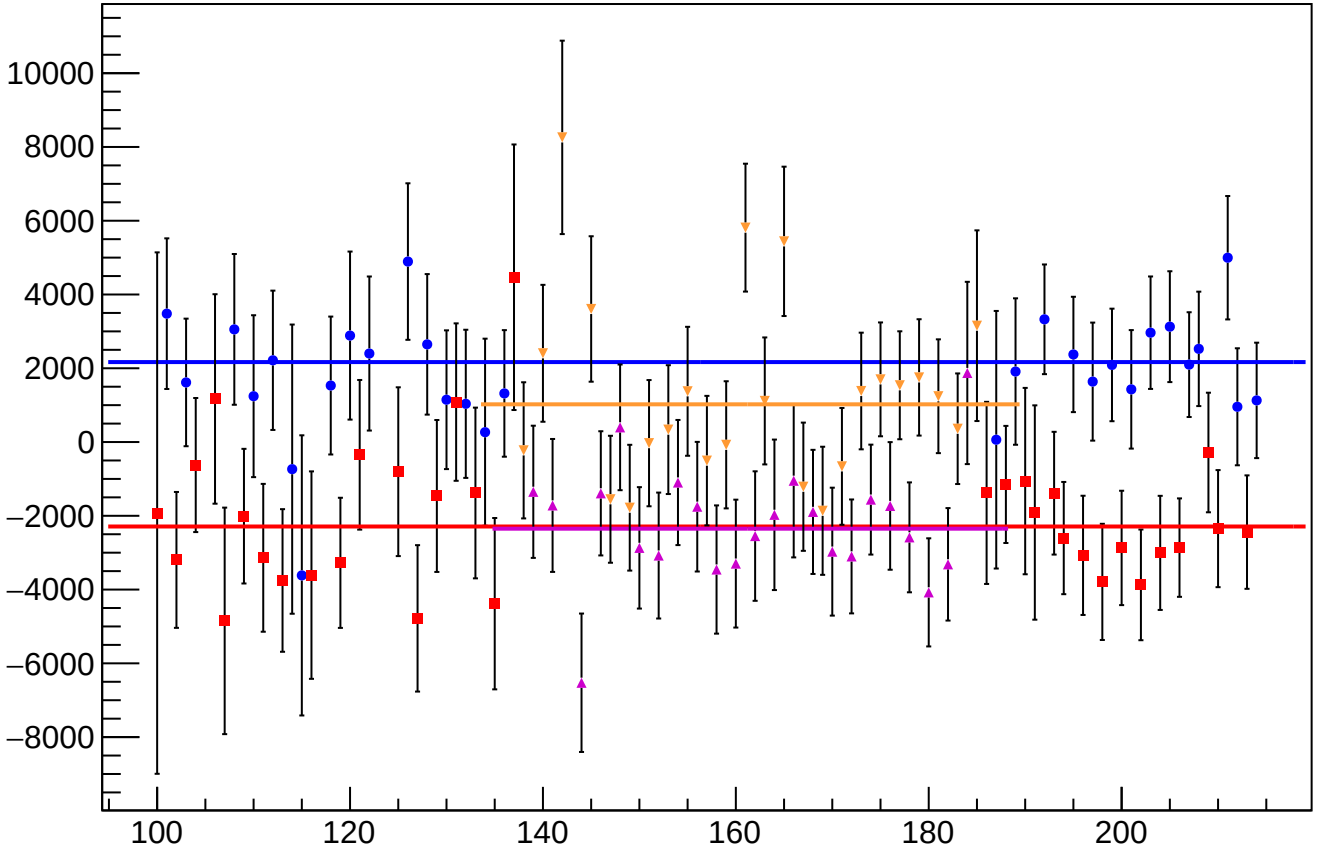
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 13543076.0/53

All: 0.000+/-0.000 χ^2/NDF: 28556958.7/109

- sign 0.000+/-0.000 χ^2/NDF: 14985696.6/55

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2167.827+/-332.965 χ^2/NDF: 13.1/29

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2290.037+/-330.423 χ^2/NDF: 20.2/32

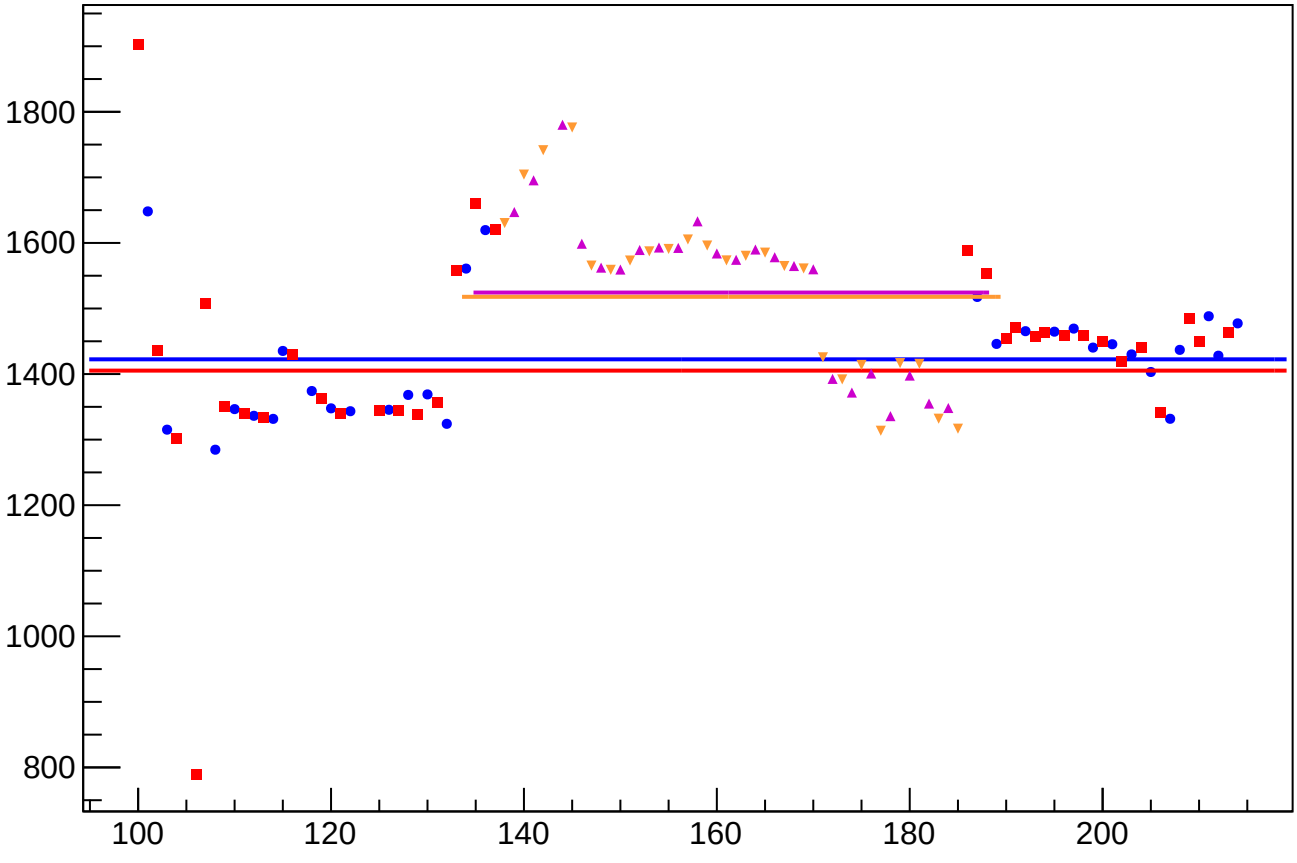
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1629.376+/-242.363 χ^2/NDF: 55.1/53

All: -342.718+/-171.431 χ^2/NDF: 223.8/109

- sign -2317.324+/-242.518 χ^2/NDF: 36.2/55

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.478+/-0.235 χ^2/NDF: 119829.6/29

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

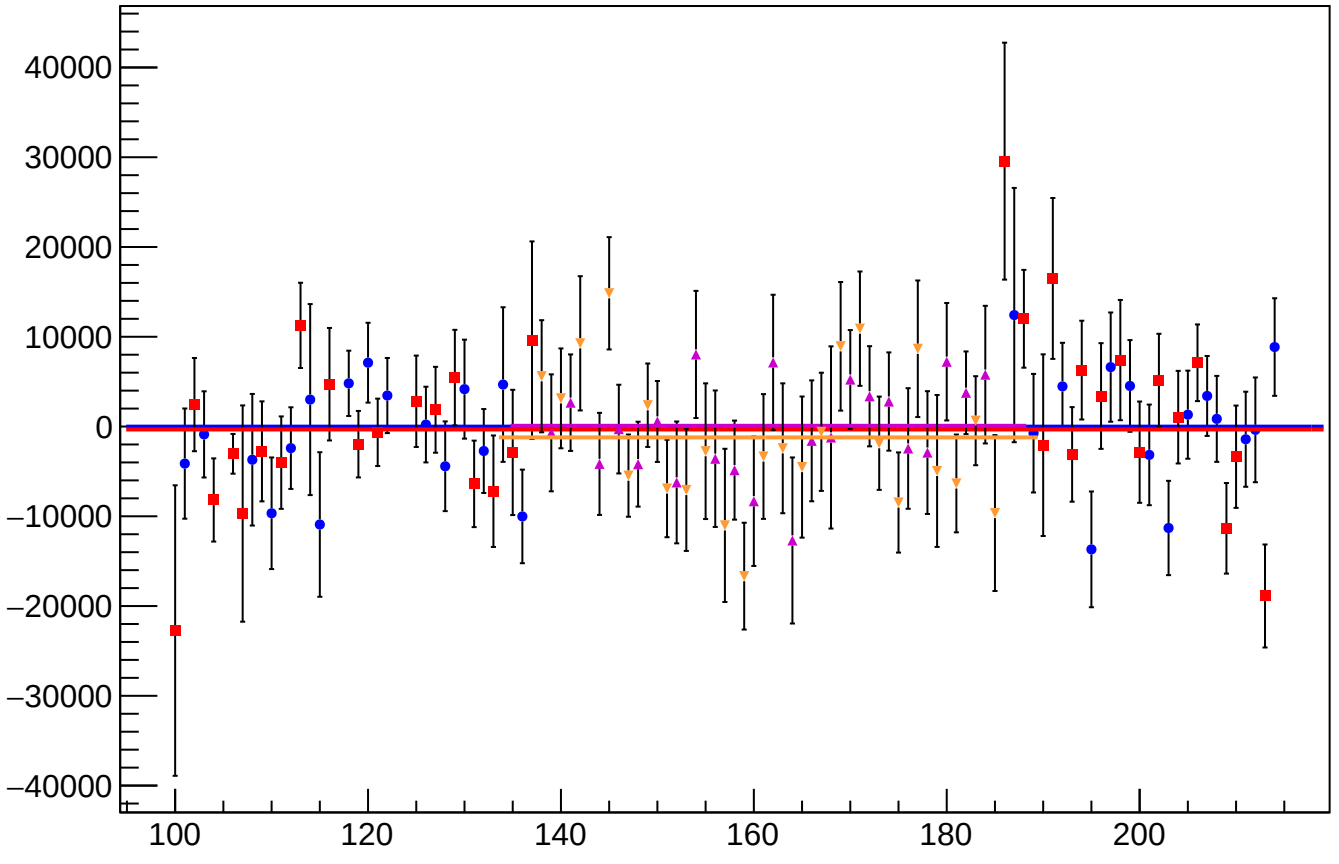
Right Out: 1405.264+/-0.231 χ^2/NDF: 409627.3/32

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.303+/-0.171 χ^2/NDF: 430880.5/53

All: 1463.330+/-0.121 χ^2/NDF: 1187108.1/10

- sign 1459.408+/-0.170 χ^2/NDF: 755159.6/55



Right In: -12.683+/-972.364 χ^2/NDF: 32.5/29

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -328.783+/-897.755 χ^2/NDF: 57.4/32

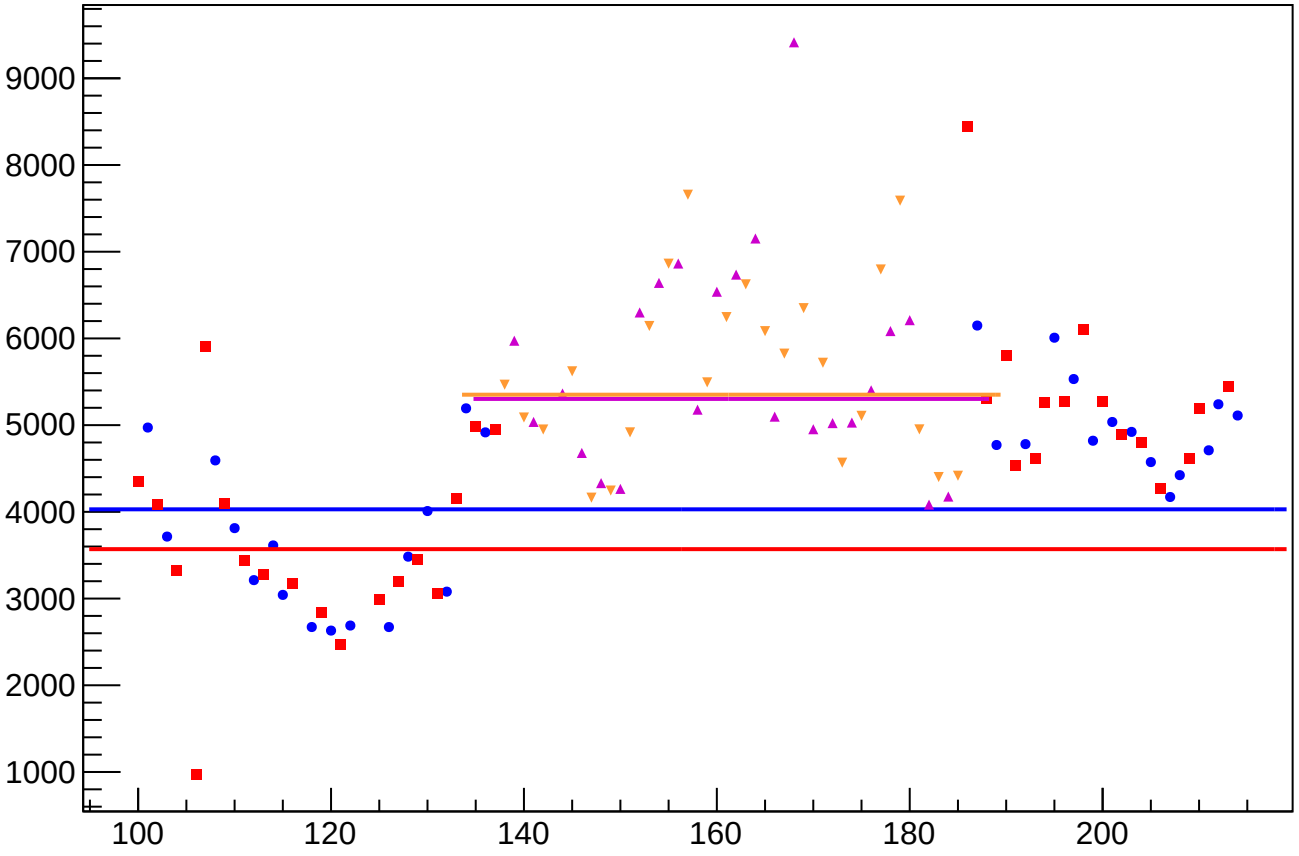
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -456.611+/-771.678 χ^2/NDF: 66.3/53

All: -317.064+/-531.072 χ^2/NDF: 137.0/109

- sign -191.501+/-731.991 χ^2/NDF: 70.7/55

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 4029.094+/-0.688 χ^2/NDF: 2094639.7/29

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3569.882+/-0.635 χ^2/NDF: 5601779.0/32

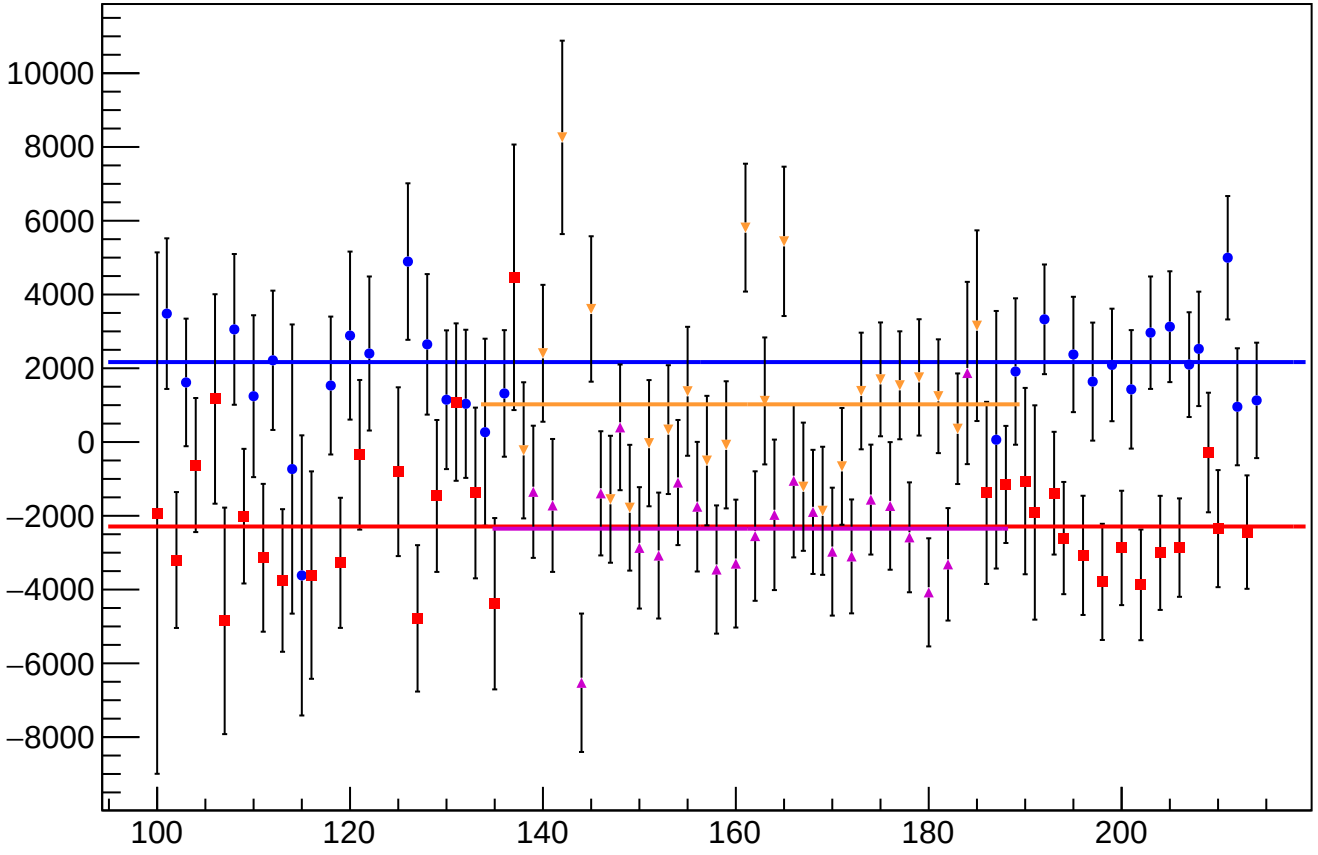
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4518.489+/-0.546 χ^2/NDF: 4529276.0/53

All: 4324.808+/-0.376 χ^2/NDF: 14122777.9/1

- sign 4150.536+/-0.518 χ^2/NDF: 9354149.4/55

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2167.817+/-332.965 χ^2/NDF: 13.1/29

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2290.103+/-330.424 χ^2/NDF: 20.2/32

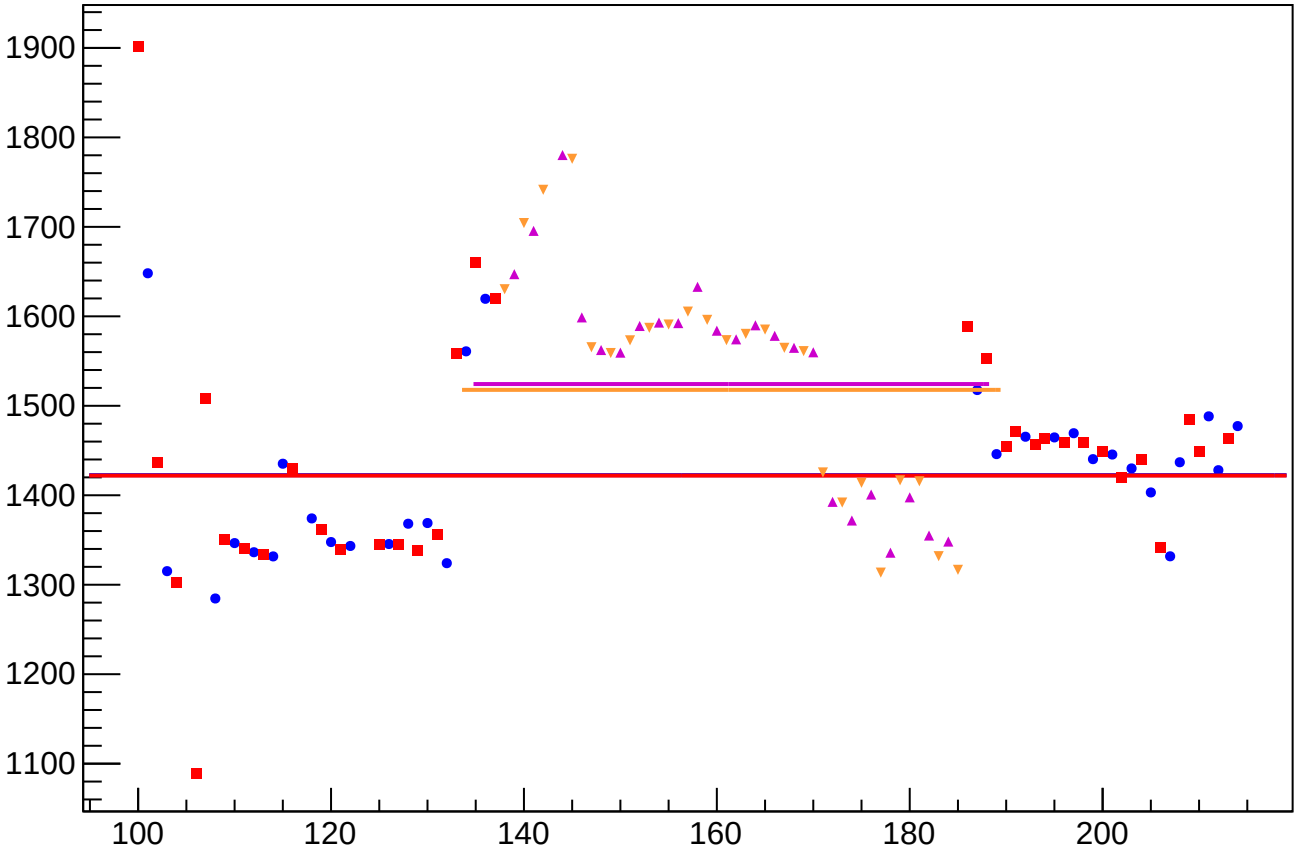
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1629.385+/-242.363 χ^2/NDF: 55.1/53

All: -342.727+/-171.431 χ^2/NDF: 223.8/109

- sign -2317.358+/-242.518 χ^2/NDF: 36.2/55

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.478+/-0.235 χ^2/NDF: 119829.6/29

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1422.000+/-0.232 χ^2/NDF: 171306.6/32

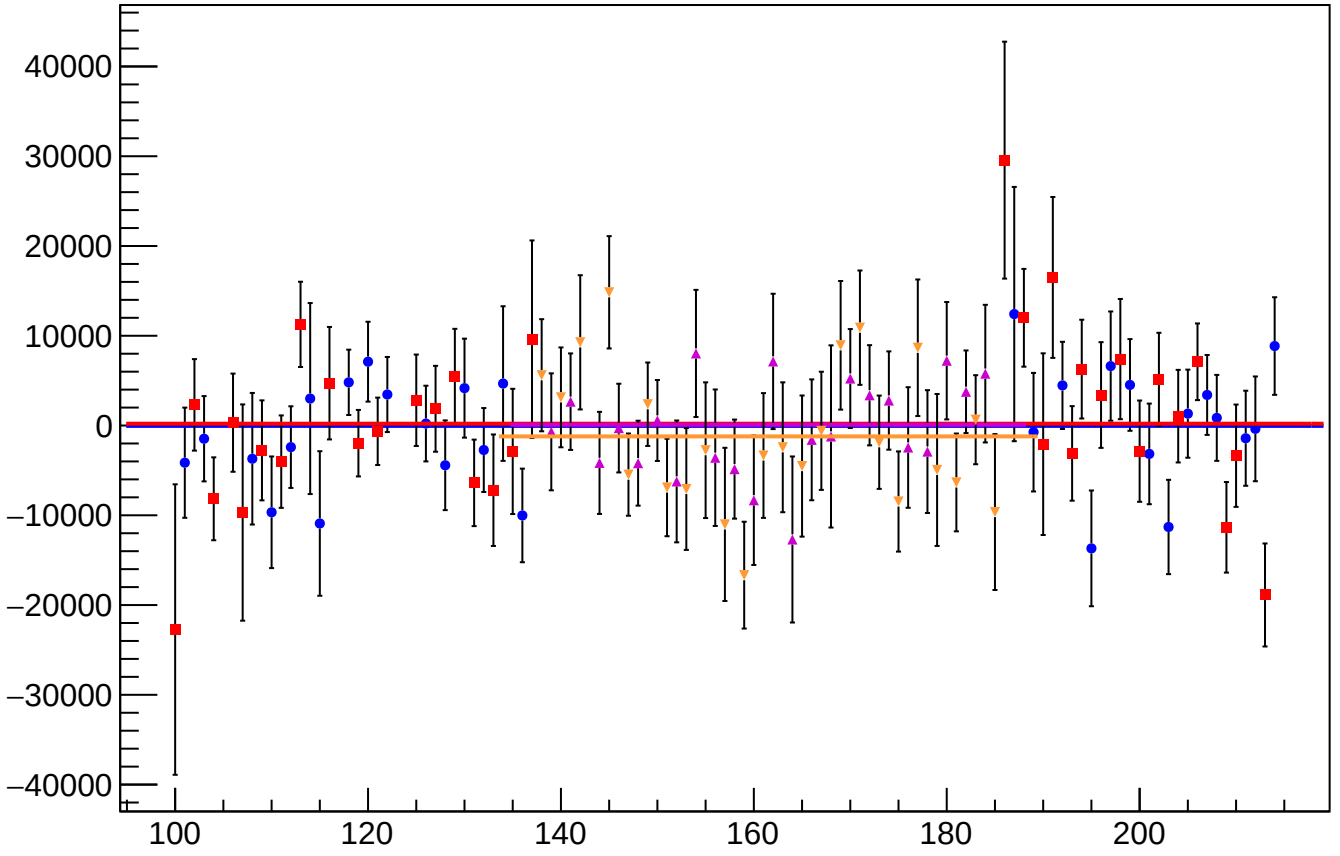
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.303+/-0.171 χ^2/NDF: 430880.6/53

All: 1468.113+/-0.121 χ^2/NDF: 915457.3/109

- sign 1468.920+/-0.171 χ^2/NDF: 484532.0/55

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -38.655+/-971.947 χ^2/NDF: 32.6/29

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 204.397+/-965.849 χ^2/NDF: 55.6/32

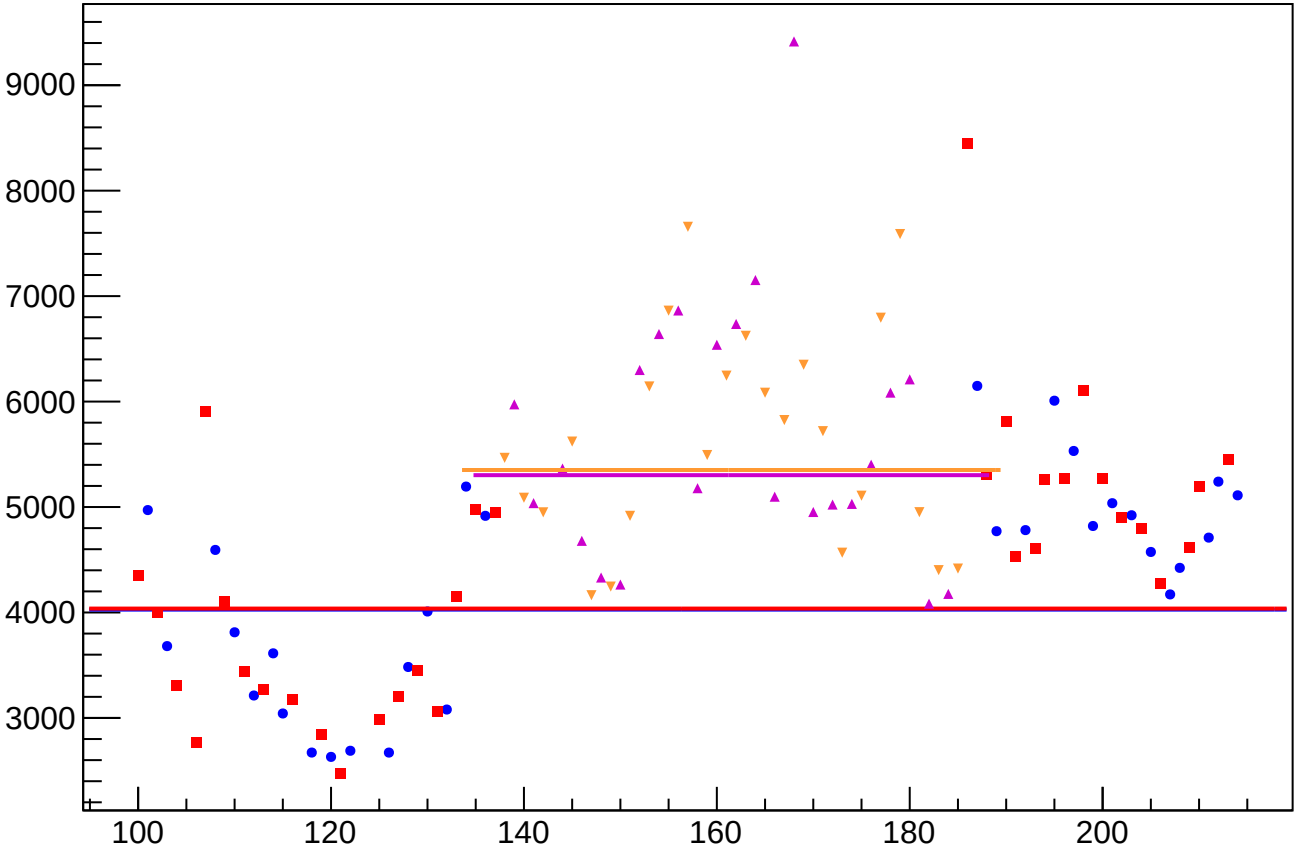
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -472.732+/-771.469 χ^2/NDF: 66.3/53

All: -155.341+/-544.109 χ^2/NDF: 135.5/109

- sign 158.808+/-767.519 χ^2/NDF: 68.8/55

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 4027.406+/-0.687 χ^2/NDF: 2096690.1/29

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4037.024+/-0.683 χ^2/NDF: 2412680.5/32

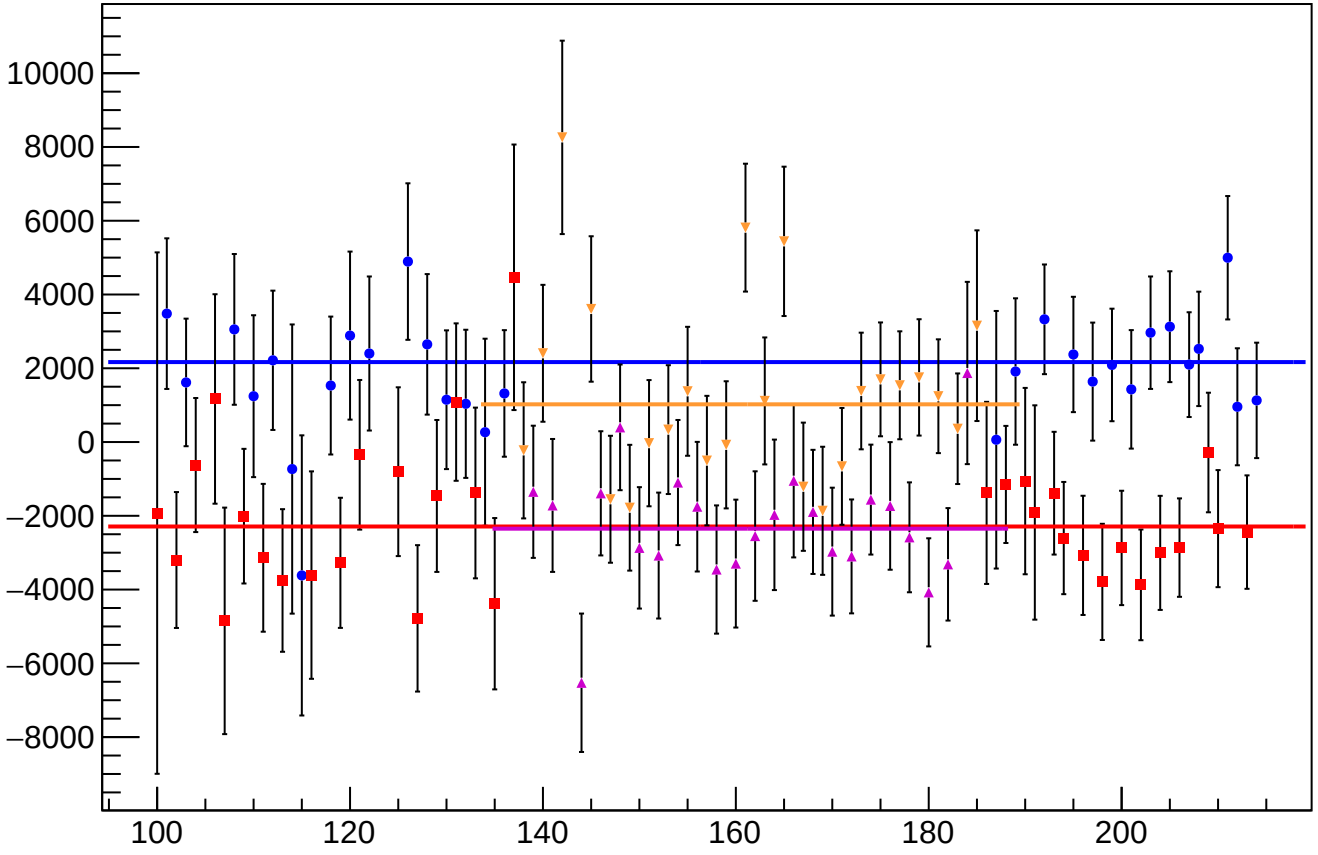
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4517.163+/-0.546 χ^2/NDF: 4535261.7/53

All: 4510.175+/-0.385 χ^2/NDF: 9469206.8/10

- sign 4503.258+/-0.543 χ^2/NDF: 4933618.6/55

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2167.817+/-332.965 χ^2/NDF: 13.1/29

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2290.103+/-330.424 χ^2/NDF: 20.2/32

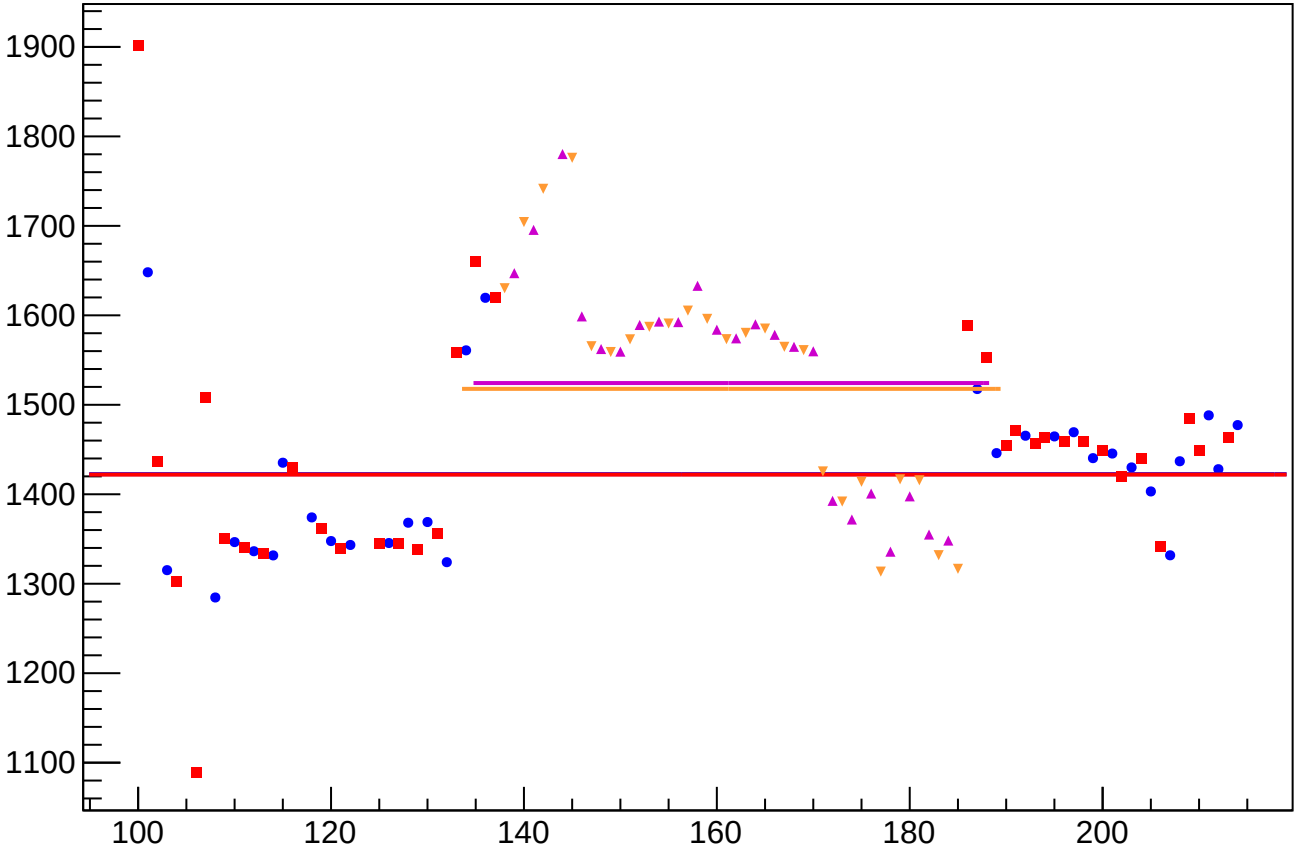
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1629.385+/-242.363 χ^2/NDF: 55.1/53

All: -342.727+/-171.431 χ^2/NDF: 223.8/109

- sign -2317.358+/-242.518 χ^2/NDF: 36.2/55

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1422.478+/-0.235 χ^2/NDF: 119829.6/29

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

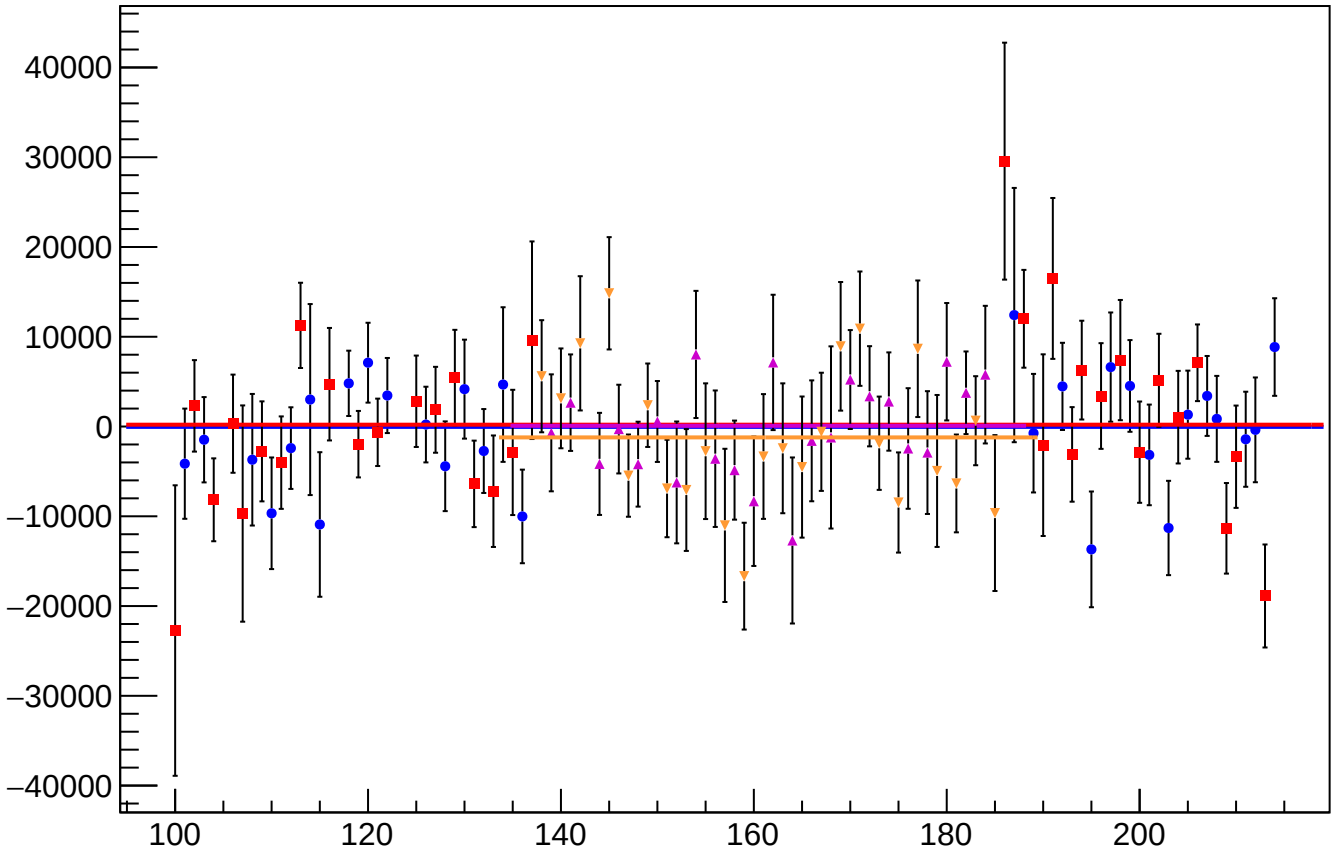
Right Out: 1422.000+/-0.232 χ^2/NDF: 171306.6/32

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1467.303+/-0.171 χ^2/NDF: 430880.6/53

All: 1468.113+/-0.121 χ^2/NDF: 915457.3/109

- sign 1468.920+/-0.171 χ^2/NDF: 484532.0/55



Right In: -38.655+/-971.947 χ^2/NDF: 32.6/29

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

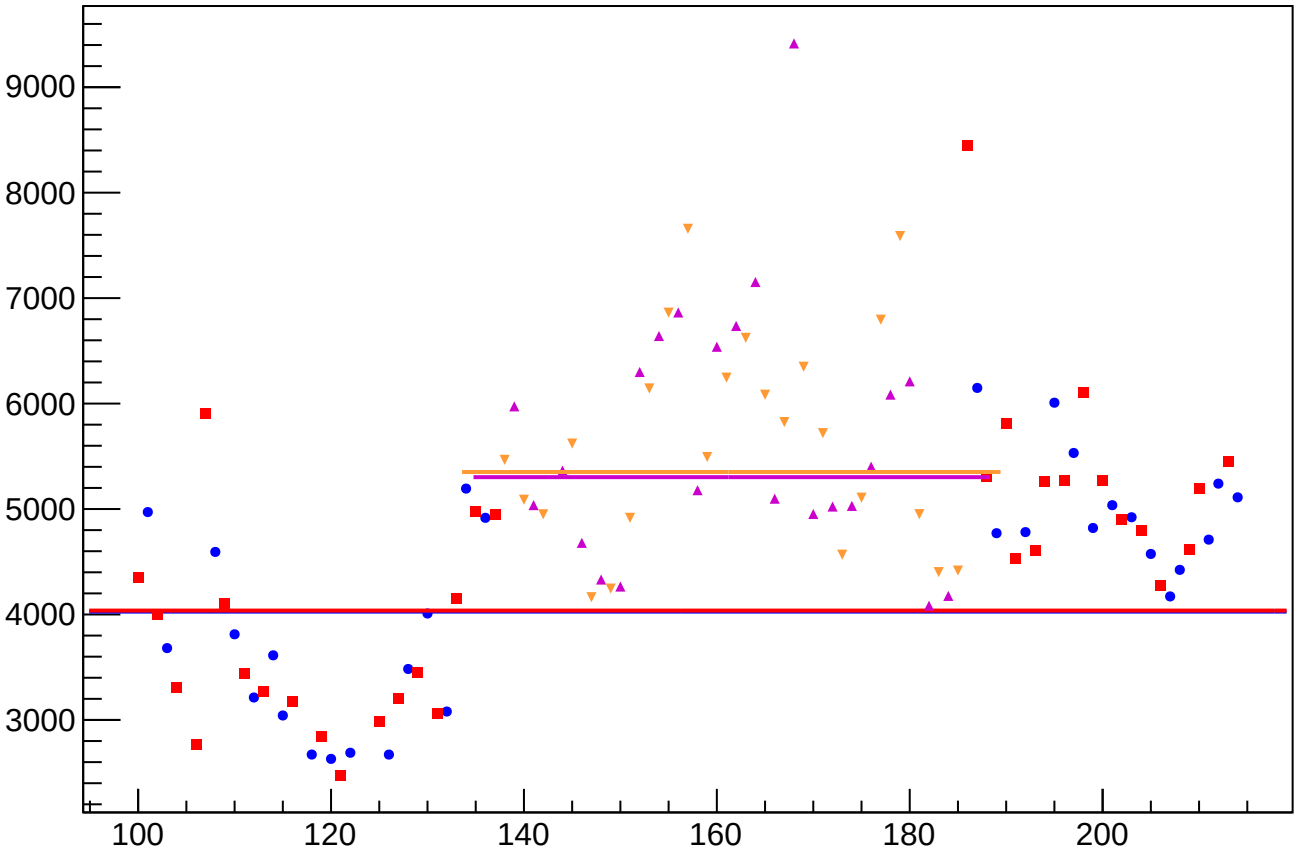
Right Out: 204.397+/-965.849 χ^2/NDF: 55.6/32

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -472.732+/-771.469 χ^2/NDF: 66.3/53

All: -155.341+/-544.109 χ^2/NDF: 135.5/109

- sign 158.808+/-767.519 χ^2/NDF: 68.8/55



Right In: 4027.406+/-0.687 χ^2/NDF: 2096690.1/29

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4037.024+/-0.683 χ^2/NDF: 2412680.5/32

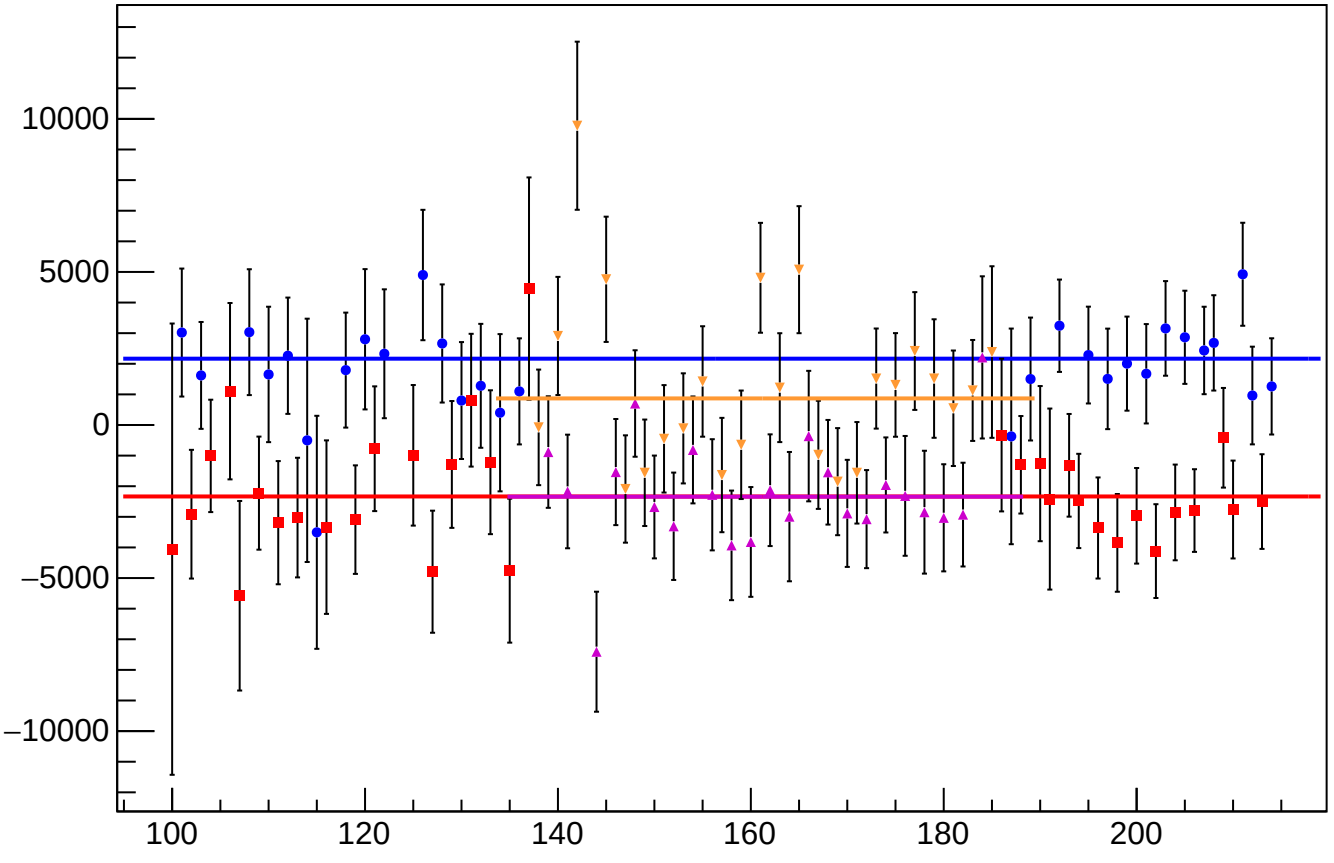
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4517.163+/-0.546 χ^2/NDF: 4535261.7/53

All: 4510.175+/-0.385 χ^2/NDF: 9469206.8/10

- sign 4503.258+/-0.543 χ^2/NDF: 4933618.6/55

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2166.537+/-336.247 χ^2/NDF: 12.3/29

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2334.493+/-334.856 χ^2/NDF: 19.5/32

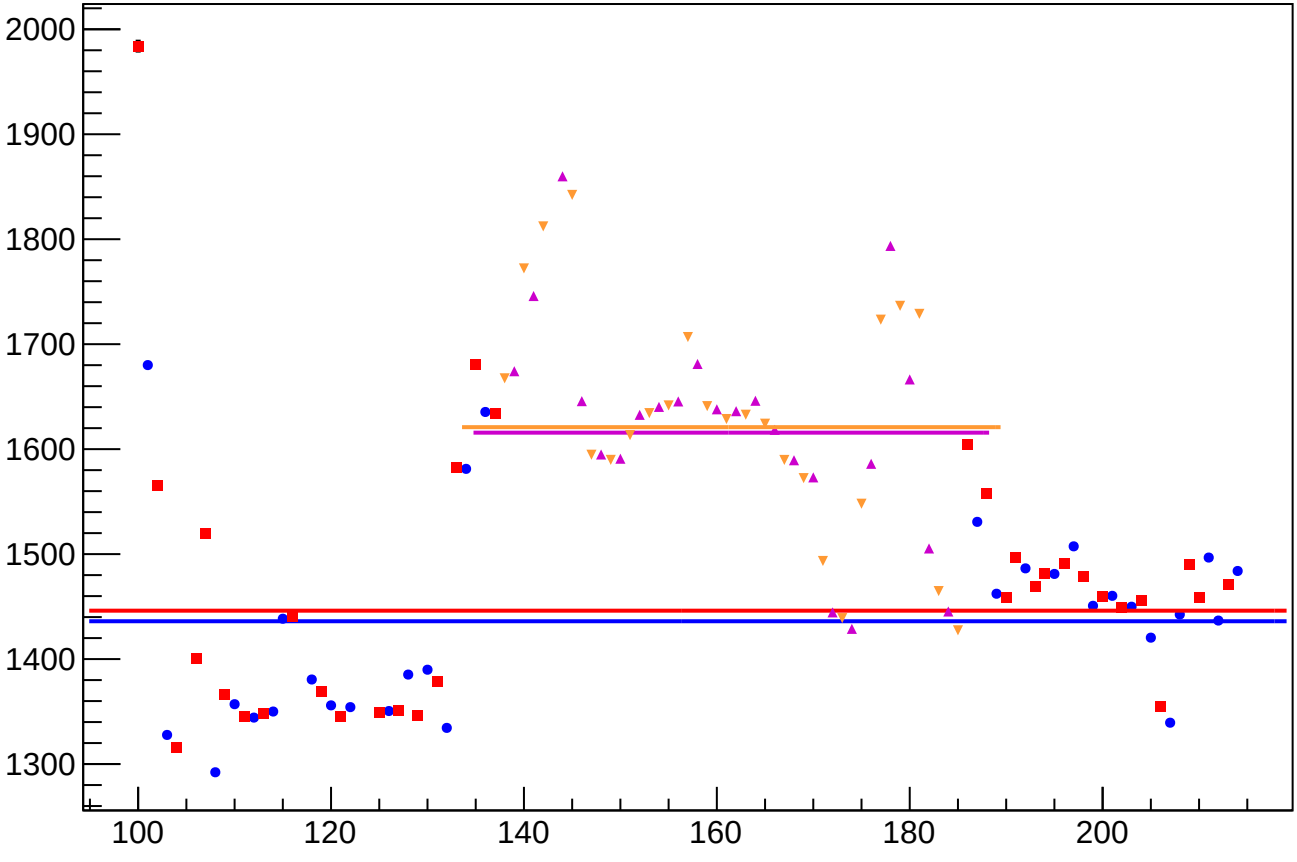
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1591.710+/-250.991 χ^2/NDF: 58.7/53

All: -375.515+/-177.369 χ^2/NDF: 218.9/109

- sign -2337.926+/-250.684 χ^2/NDF: 37.5/55

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.047+/-0.238 χ^2/NDF: 127882.1/29

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1446.118+/-0.237 χ^2/NDF: 131862.2/32

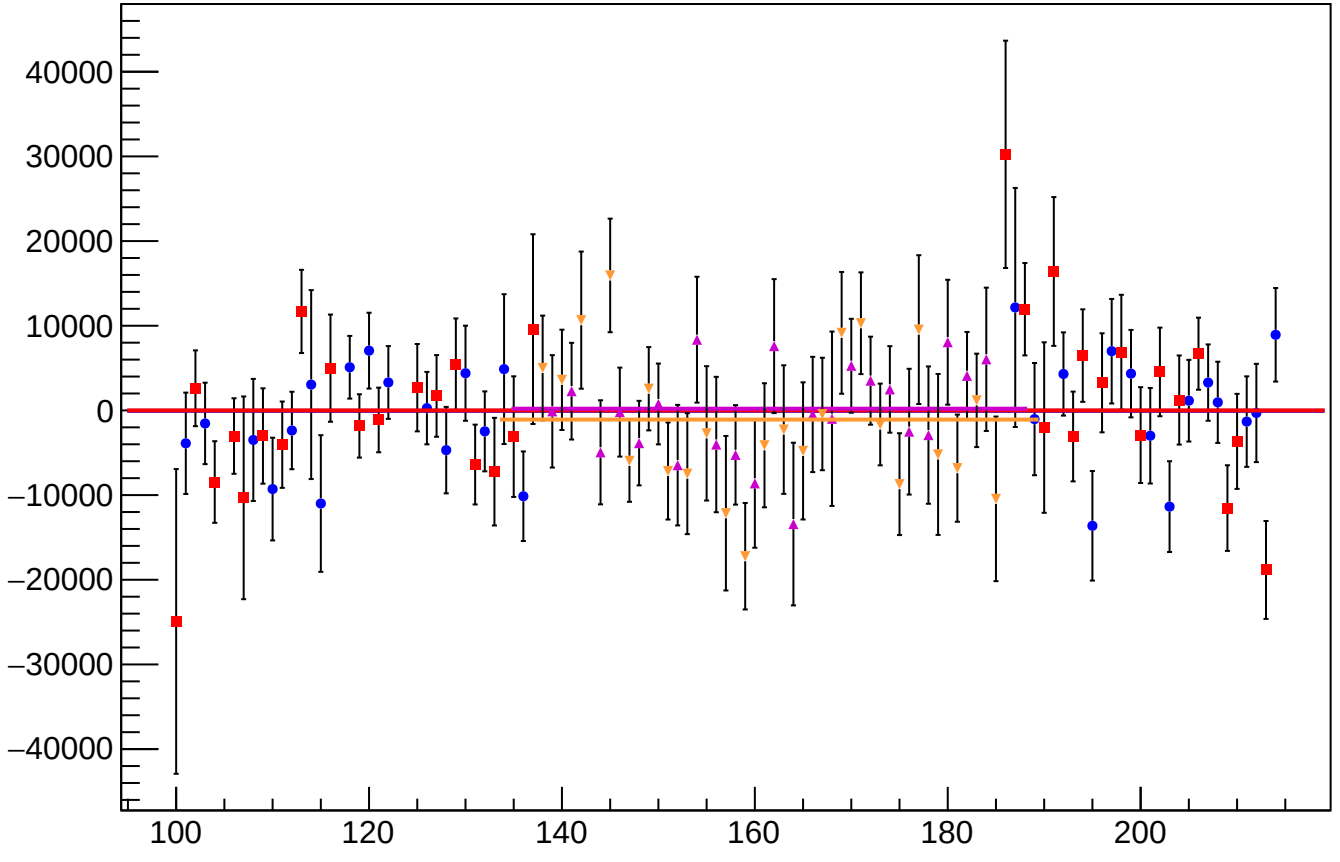
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1517.922+/-0.177 χ^2/NDF: 537660.8/53

All: 1519.249+/-0.125 χ^2/NDF: 1032464.5/10

- sign 1520.570+/-0.177 χ^2/NDF: 494692.1/55

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -46.080+/-980.522 χ^2/NDF: 32.0/29

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -2.106+/-960.447 χ^2/NDF: 55.8/32

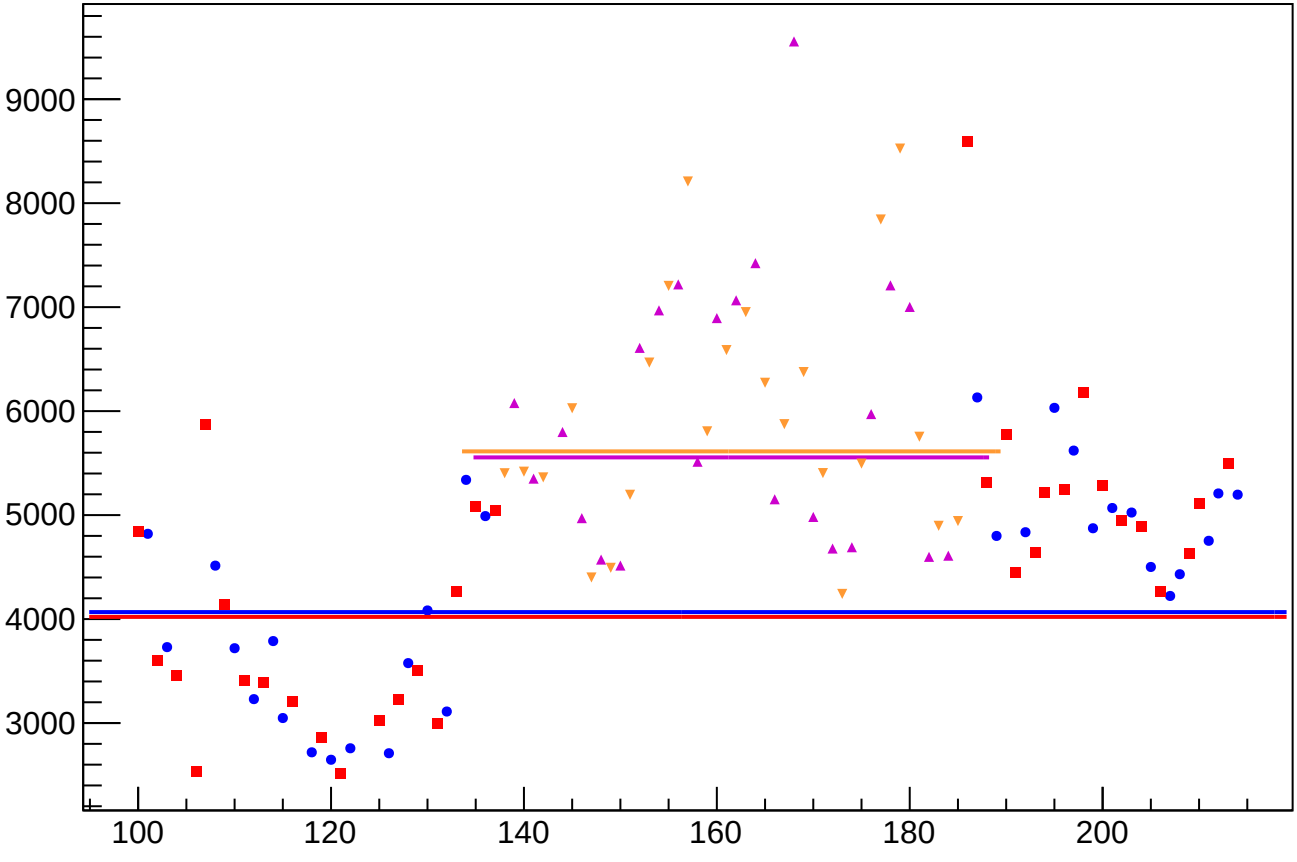
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -410.085+/-789.728 χ^2/NDF: 65.4/53

All: -167.428+/-554.184 χ^2/NDF: 134.3/109

- sign 68.000+/-777.875 χ^2/NDF: 68.7/55

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 4067.174+/-0.693 χ^2/NDF: 2038975.3/29

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4020.986+/-0.679 χ^2/NDF: 2503559.5/32

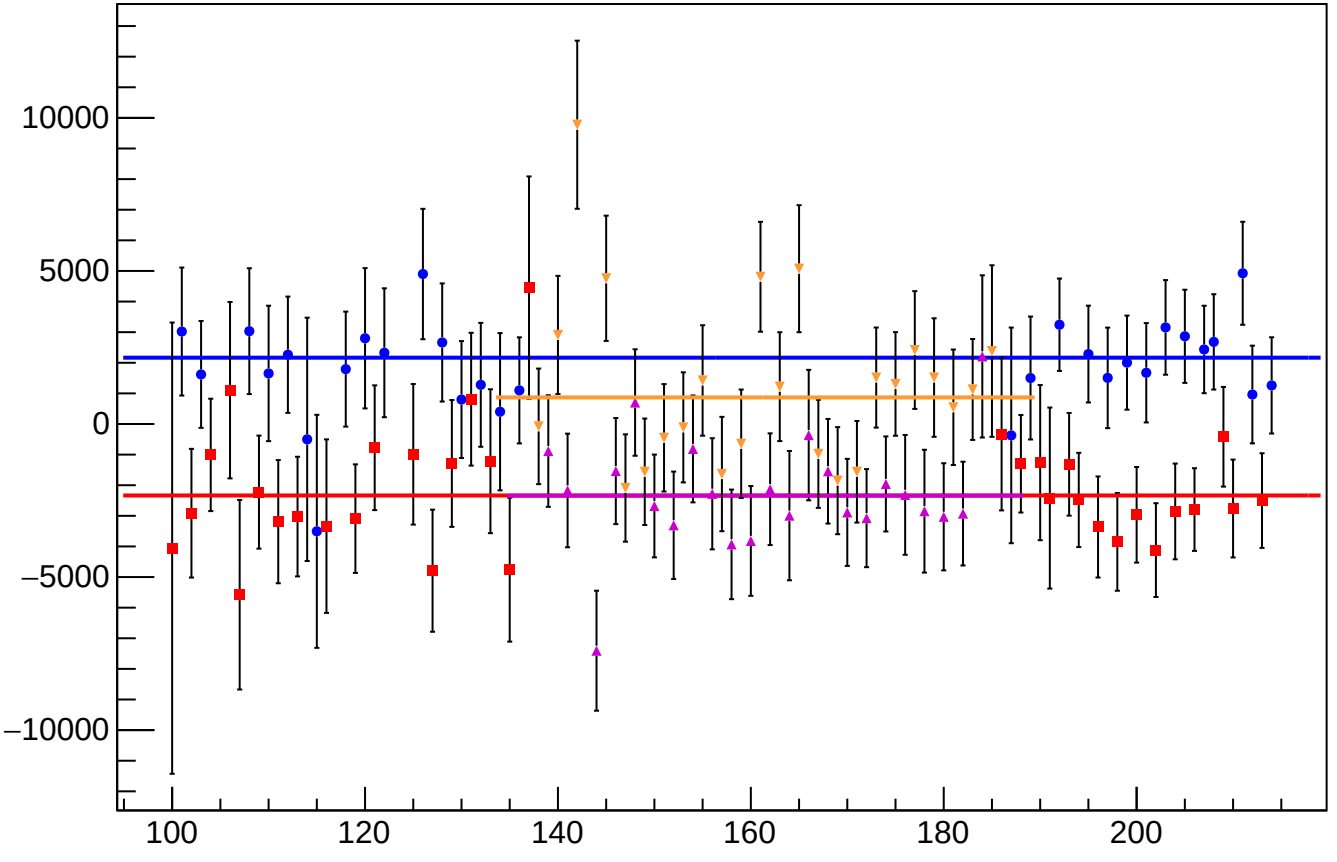
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4610.135+/-0.558 χ^2/NDF: 4972792.3/53

All: 4578.971+/-0.392 χ^2/NDF: 10570625.6/1

- sign 4548.735+/-0.550 χ^2/NDF: 5591697.1/55

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2166.538+/-336.247 χ^2/NDF: 12.3/29

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2334.490+/-334.856 χ^2/NDF: 19.5/32

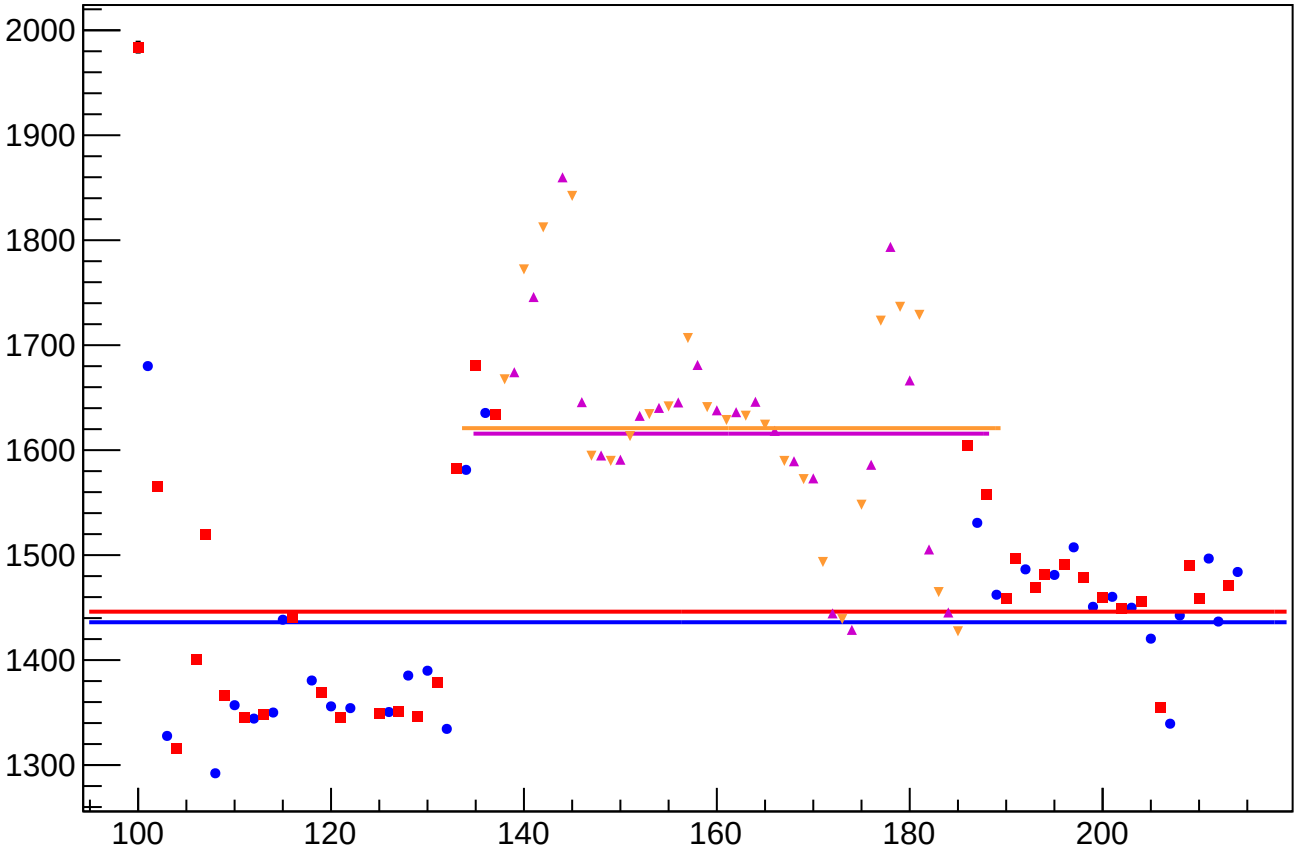
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1591.709+/-250.991 χ^2/NDF: 58.7/53

All: -375.515+/-177.369 χ^2/NDF: 218.9/109

- sign -2337.924+/-250.684 χ^2/NDF: 37.5/55

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.047+/-0.238 χ^2/NDF: 127882.1/29

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

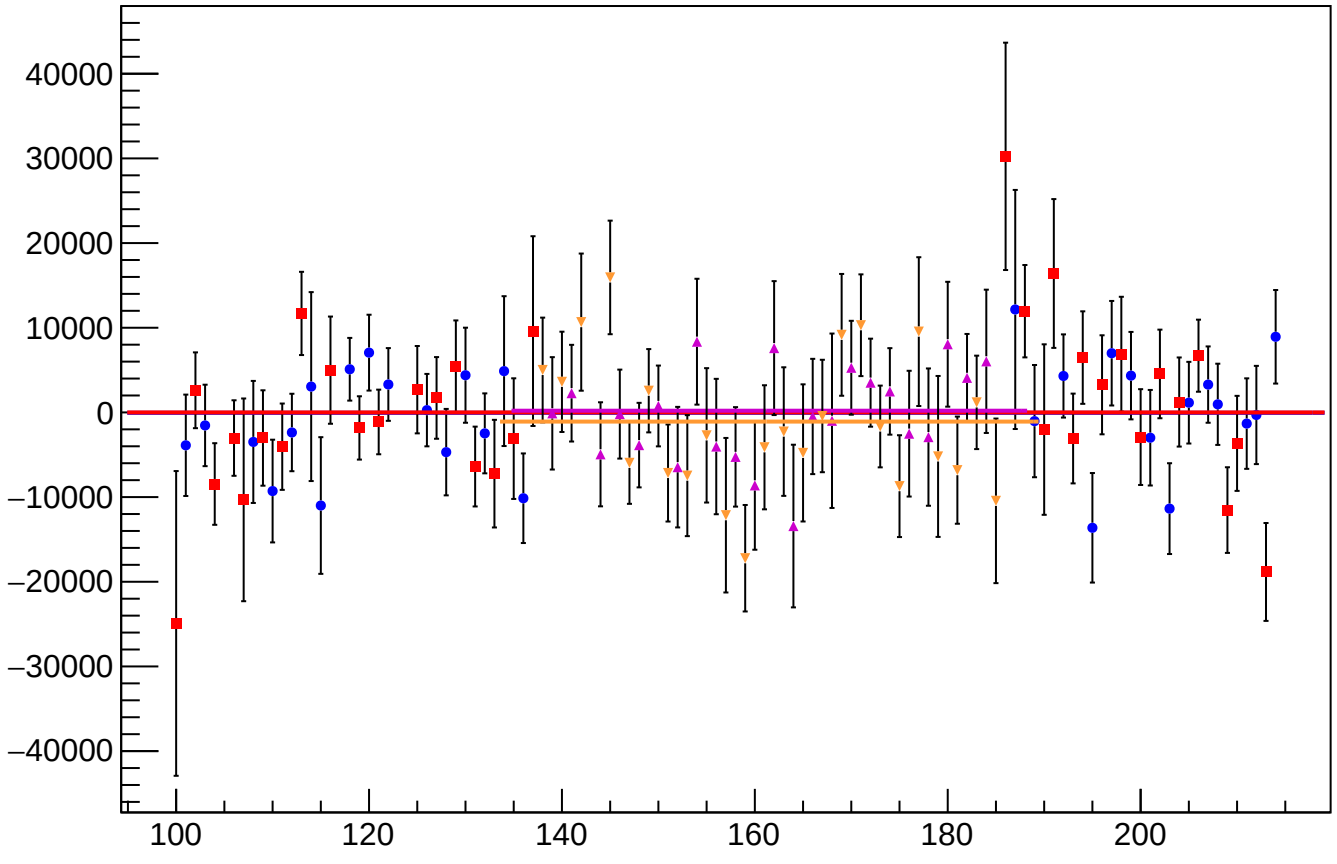
Right Out: 1446.118+/-0.237 χ^2/NDF: 131862.5/32

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1517.923+/-0.177 χ^2/NDF: 537668.8/53

All: 1519.249+/-0.125 χ^2/NDF: 1032480.8/10

- sign 1520.571+/-0.177 χ^2/NDF: 494700.5/55



Right In: -46.076+/-980.521 χ^2/NDF: 32.0/29

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

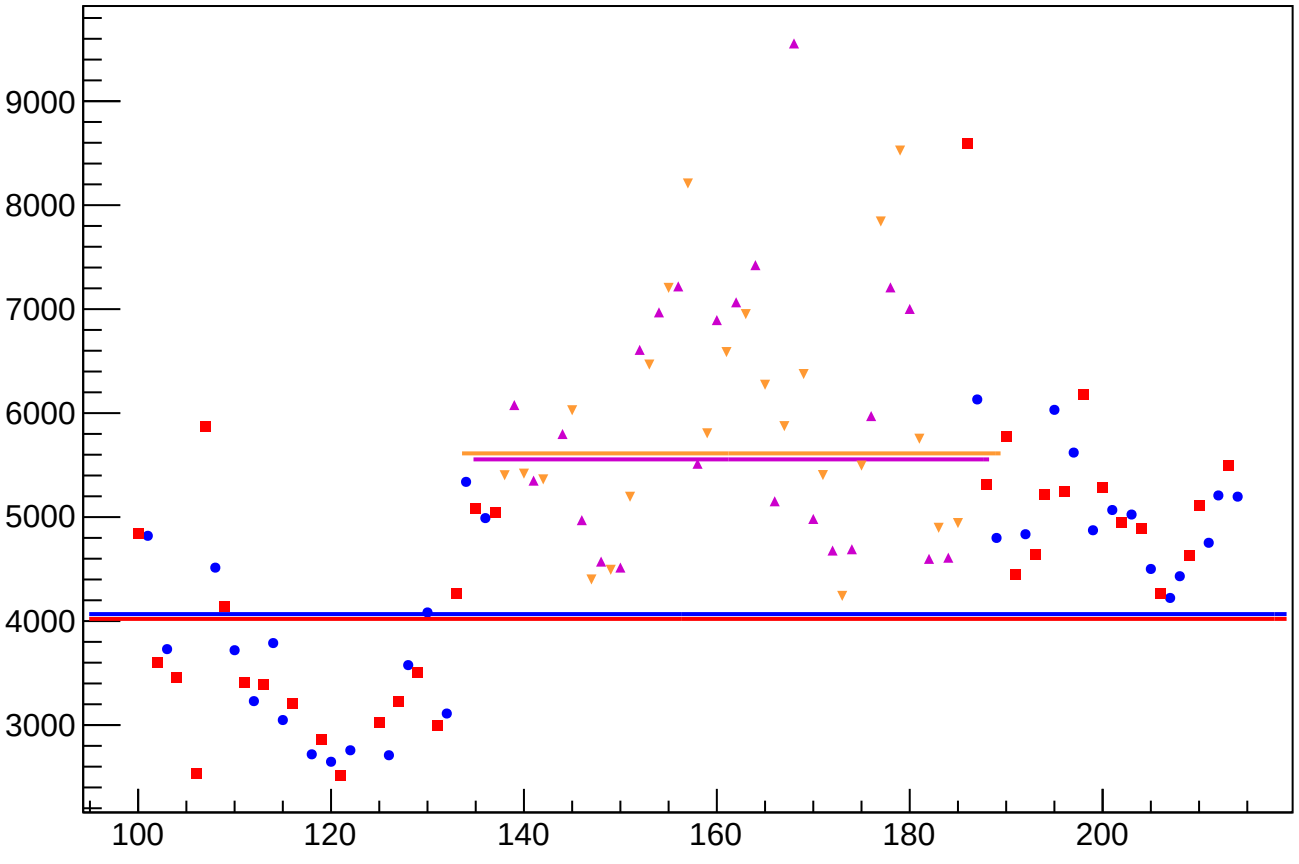
Right Out: -2.110+/-960.446 χ^2/NDF: 55.8/32

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -410.084+/-789.728 χ^2/NDF: 65.4/53

All: -167.428+/-554.184 χ^2/NDF: 134.3/109

- sign 67.997+/-777.875 χ^2/NDF: 68.7/55



Right In: 4067.169+/-0.693 χ^2/NDF: 2039016.8/29

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4020.980+/-0.679 χ^2/NDF: 2503594.3/32

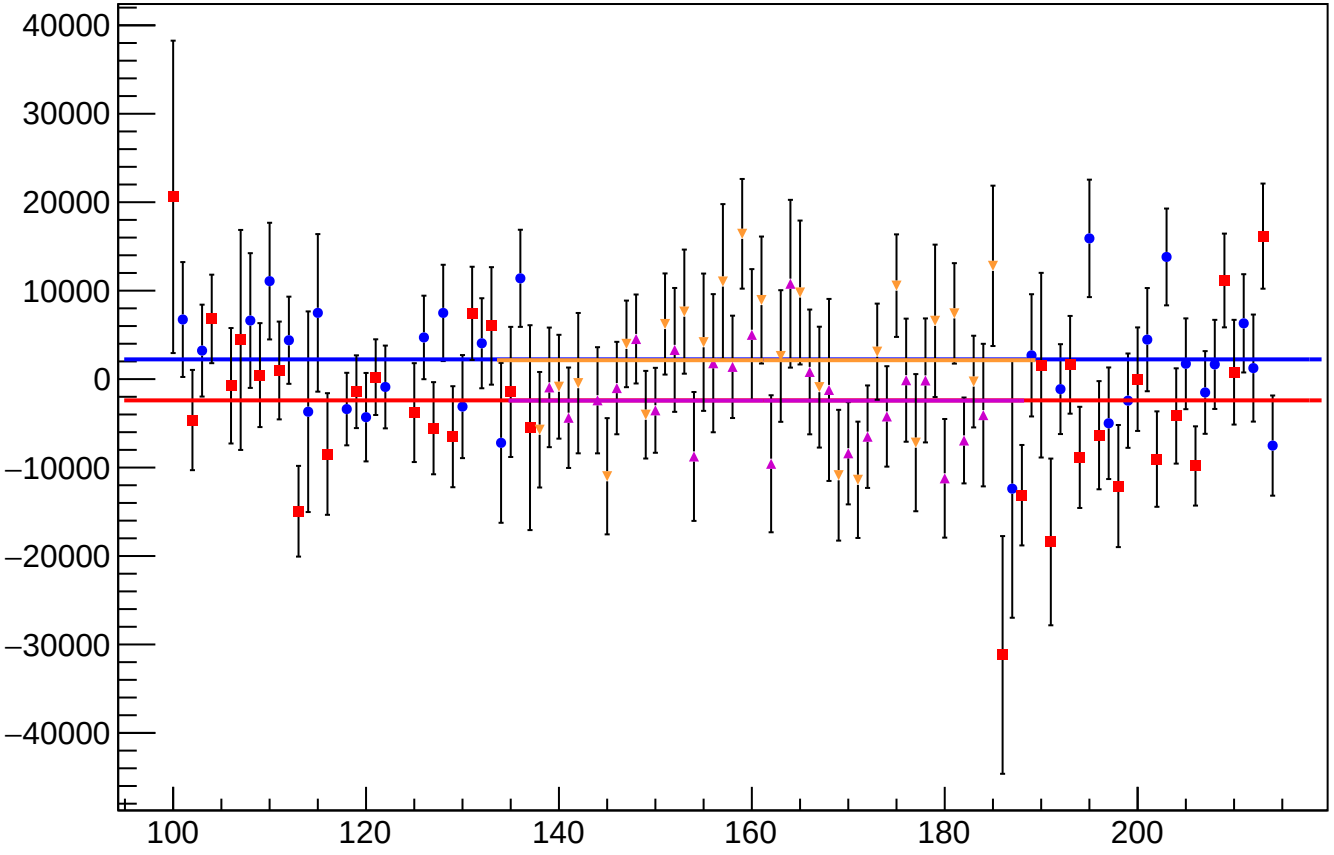
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4610.134+/-0.558 χ^2/NDF: 4972862.8/53

All: 4578.969+/-0.392 χ^2/NDF: 10570763.3/1

- sign 4548.732+/-0.550 χ^2/NDF: 5591764.0/55

asym_usl_atl2_avg_mean vs Slug



Right In: 2231.756+/-1040.326 χ^2/NDF: 30.1/29

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -2404.052+/-1036.236 χ^2/NDF: 56.0/32

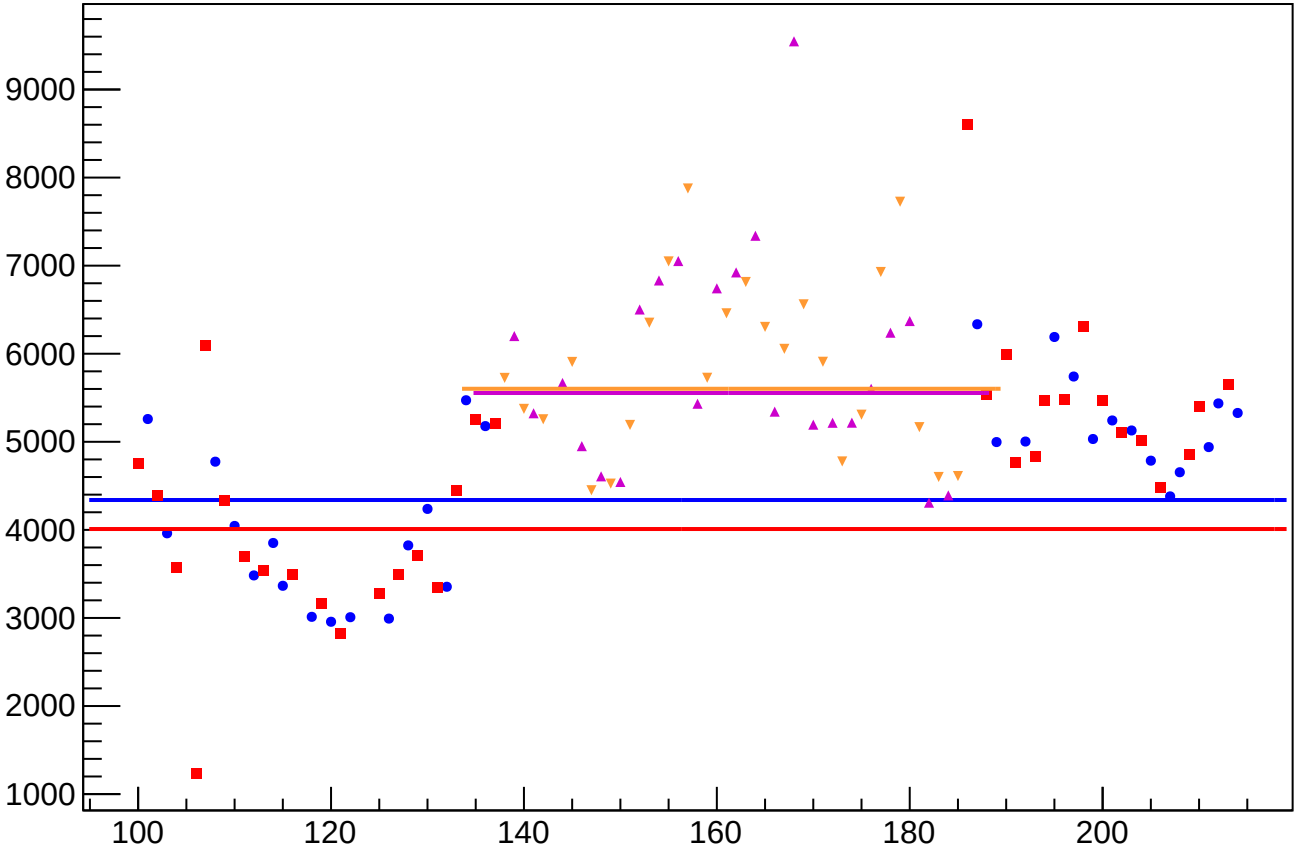
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2196.034+/-818.107 χ^2/NDF: 60.8/53

All: -116.395+/-577.507 χ^2/NDF: 145.6/109

- sign -2413.196+/-815.337 χ^2/NDF: 68.9/55

asym_usl_atl2_avg_rms vs Slug



Right In: 4339.132+/-0.736 χ^2/NDF: 1647722.7/29

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 4009.704+/-0.696 χ^2/NDF: 4038406.8/32

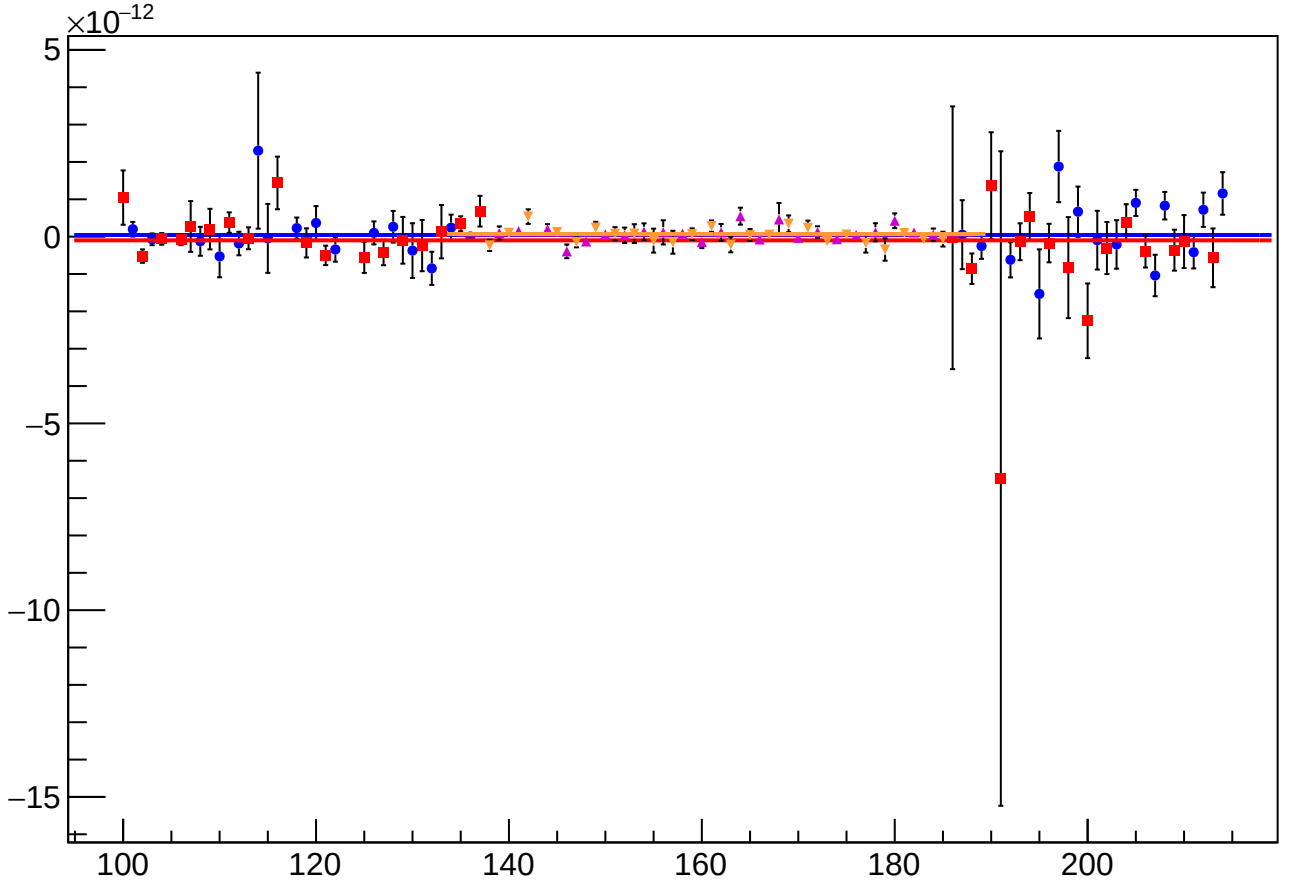
Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4821.123+/-0.578 χ^2/NDF: 3713244.2/53

All: 4686.487+/-0.402 χ^2/NDF: 10725674.7/1

- sign 4561.132+/-0.558 χ^2/NDF: 6907831.4/55

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.8/32

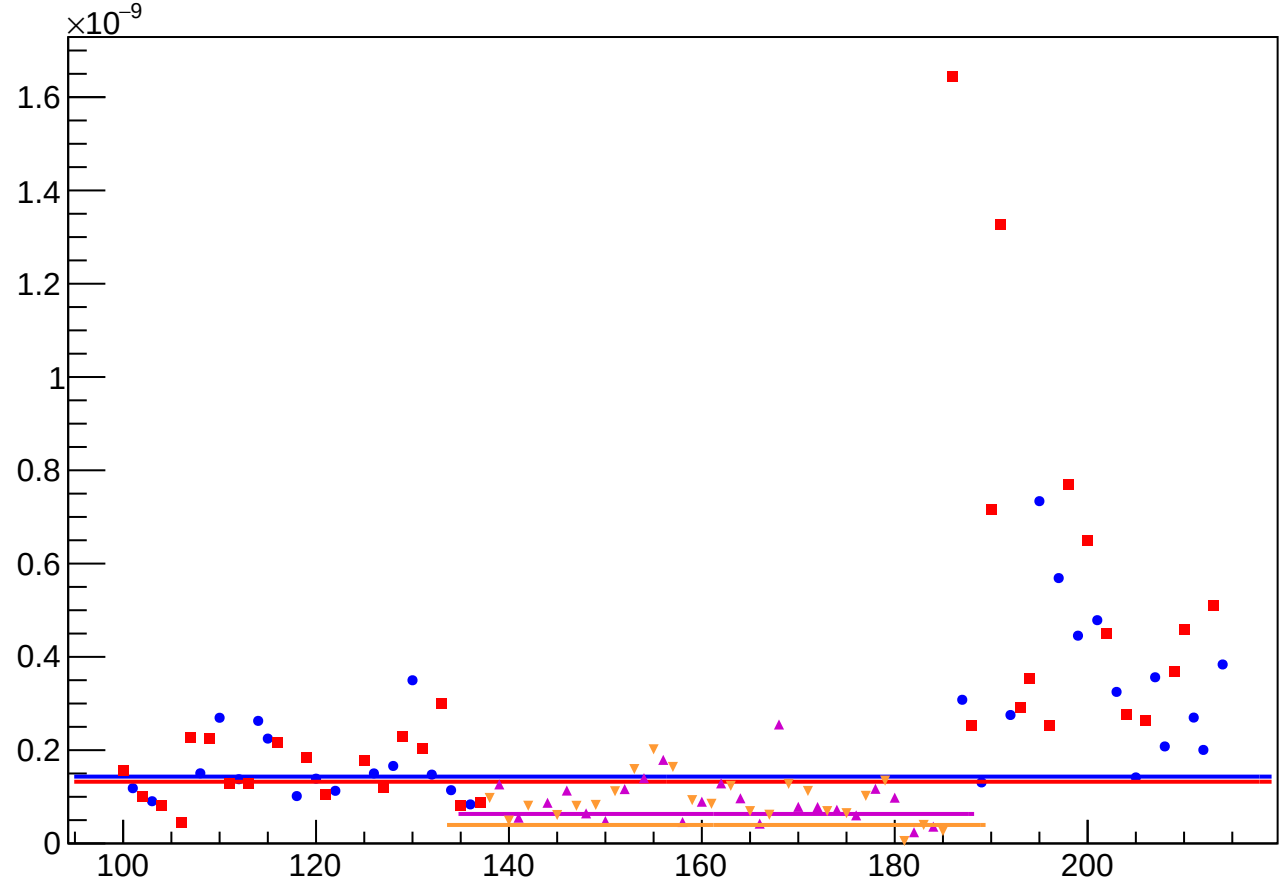
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.7/53

All: 0.000+/-0.000 χ^2/NDF: 145.5/109

- sign 0.000+/-0.000 χ^2/NDF: 73.3/55

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3968073.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6096379.9/32

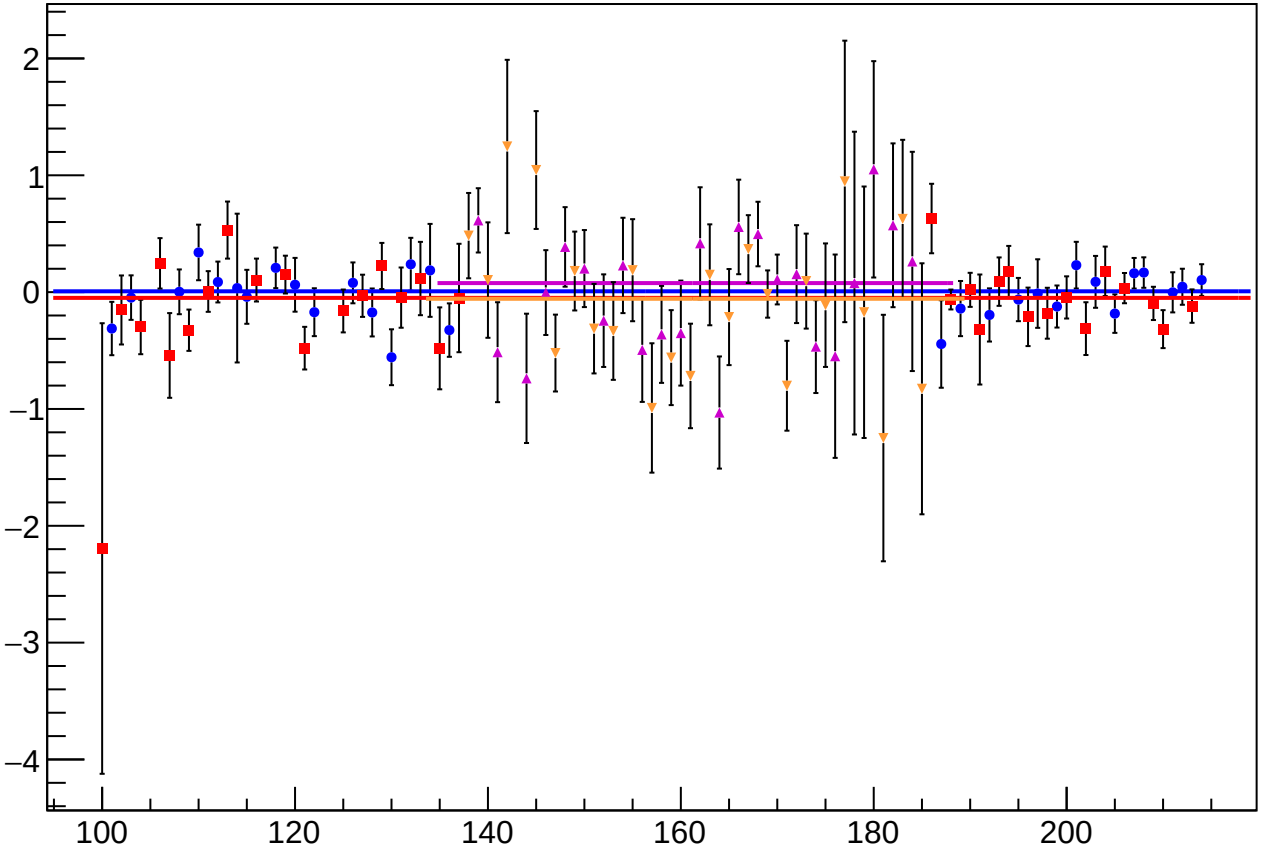
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15807221.1/53

All: 0.000+/-0.000 χ^2/NDF: 28026198.7/109

- sign 0.000+/-0.000 χ^2/NDF: 11139468.3/55

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.036 χ^2/NDF: 25.8/29

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.049+/-0.033 χ^2/NDF: 40.4/32

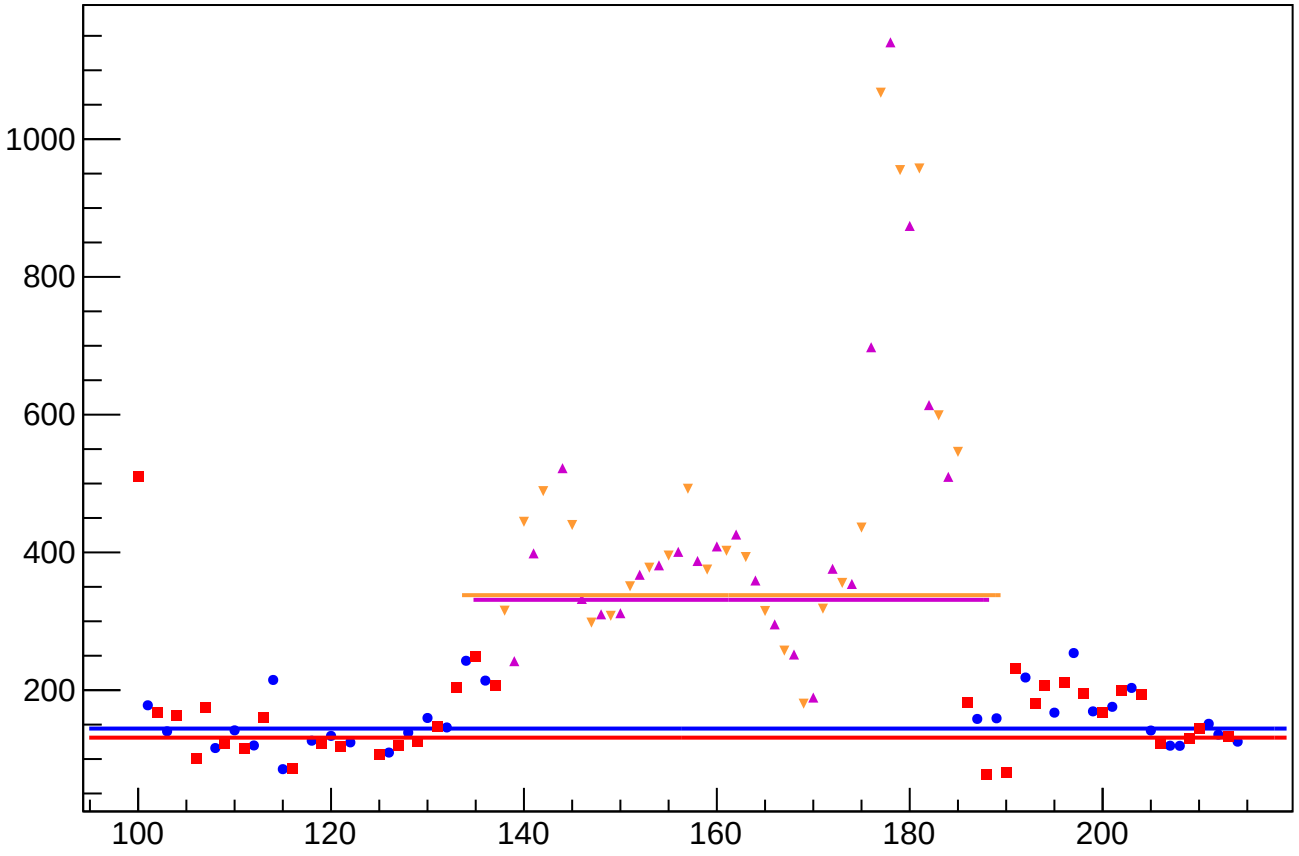
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.002+/-0.033 χ^2/NDF: 56.6/53

All: -0.018+/-0.022 χ^2/NDF: 126.4/109

\- sign -0.032+/-0.031 χ^2/NDF: 69.4/55

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 144.252+/-0.025 χ^2/NDF: 1682693.3/29

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.066+/-0.023 χ^2/NDF: 3221398.3/32

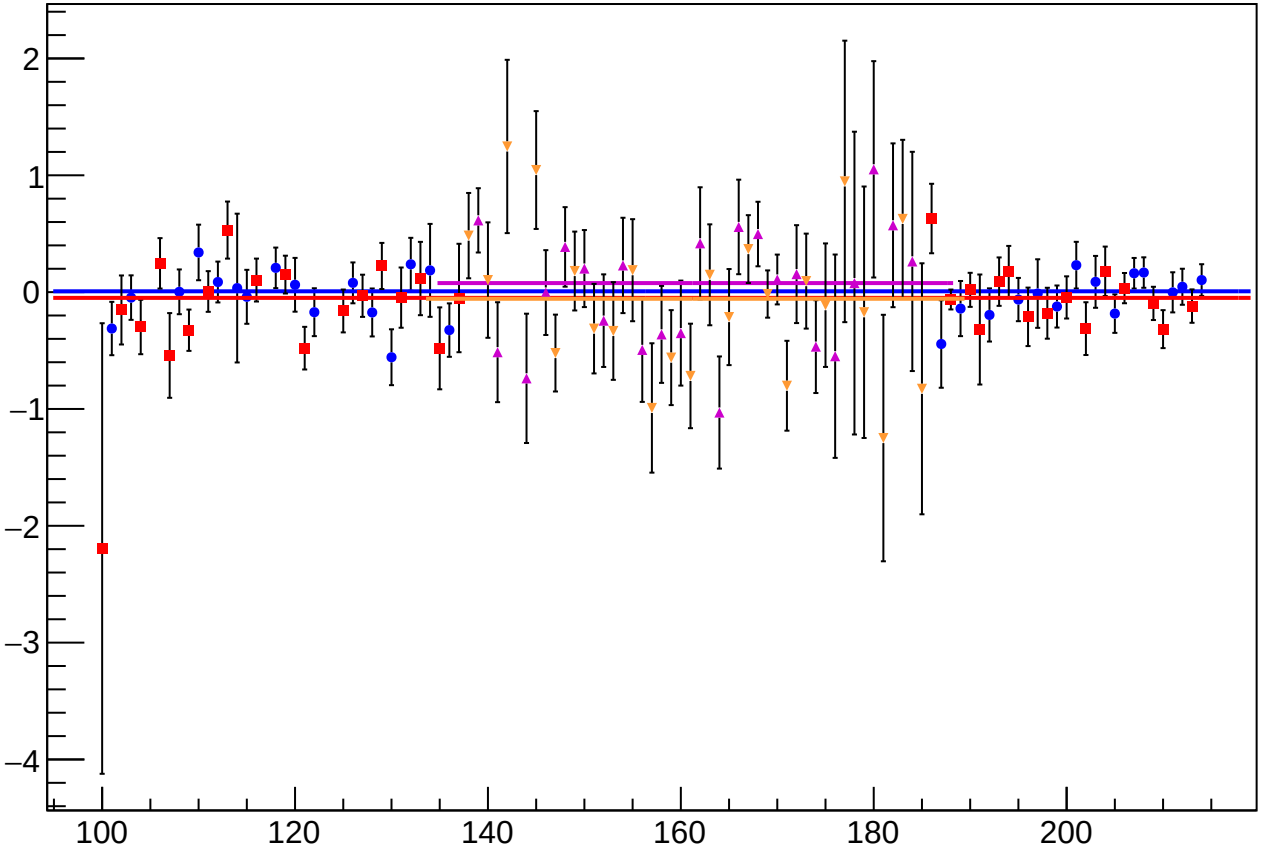
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 172.985+/-0.023 χ^2/NDF: 14948780.1/53

All: 165.132+/-0.016 χ^2/NDF: 32433852.9/10

- sign 158.275+/-0.022 χ^2/NDF: 17271830.2/55

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.007+/-0.036 χ^2/NDF: 25.8/29

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

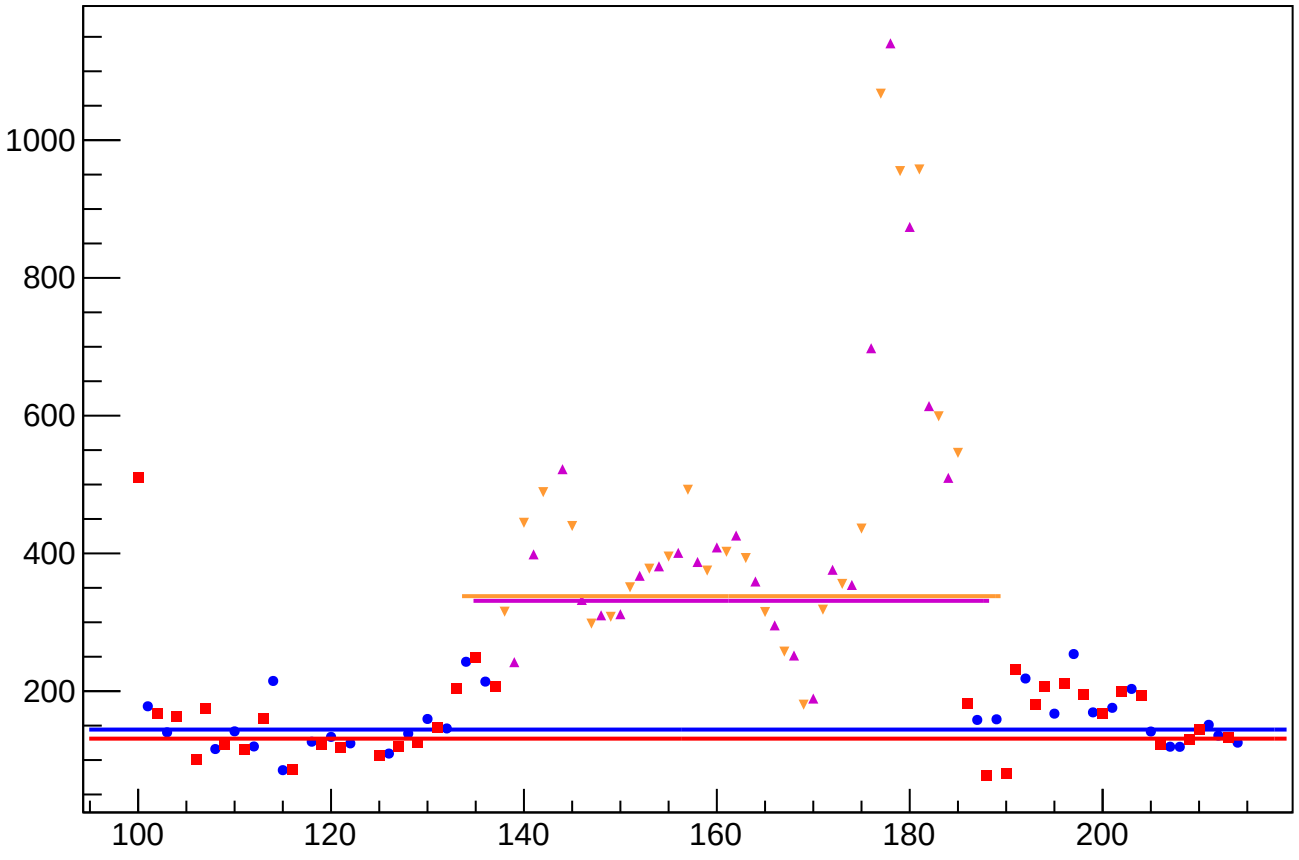
Right Out: -0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

\+ sign -0.002+/-0.033 χ^2/NDF: 56.6/53

All: -0.018+/-0.022 χ^2/NDF: 126.4/109

\- sign -0.032+/-0.031 χ^2/NDF: 69.4/55



Right In: 144.252+/-0.025 χ^2/NDF: 1682693.3/29

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

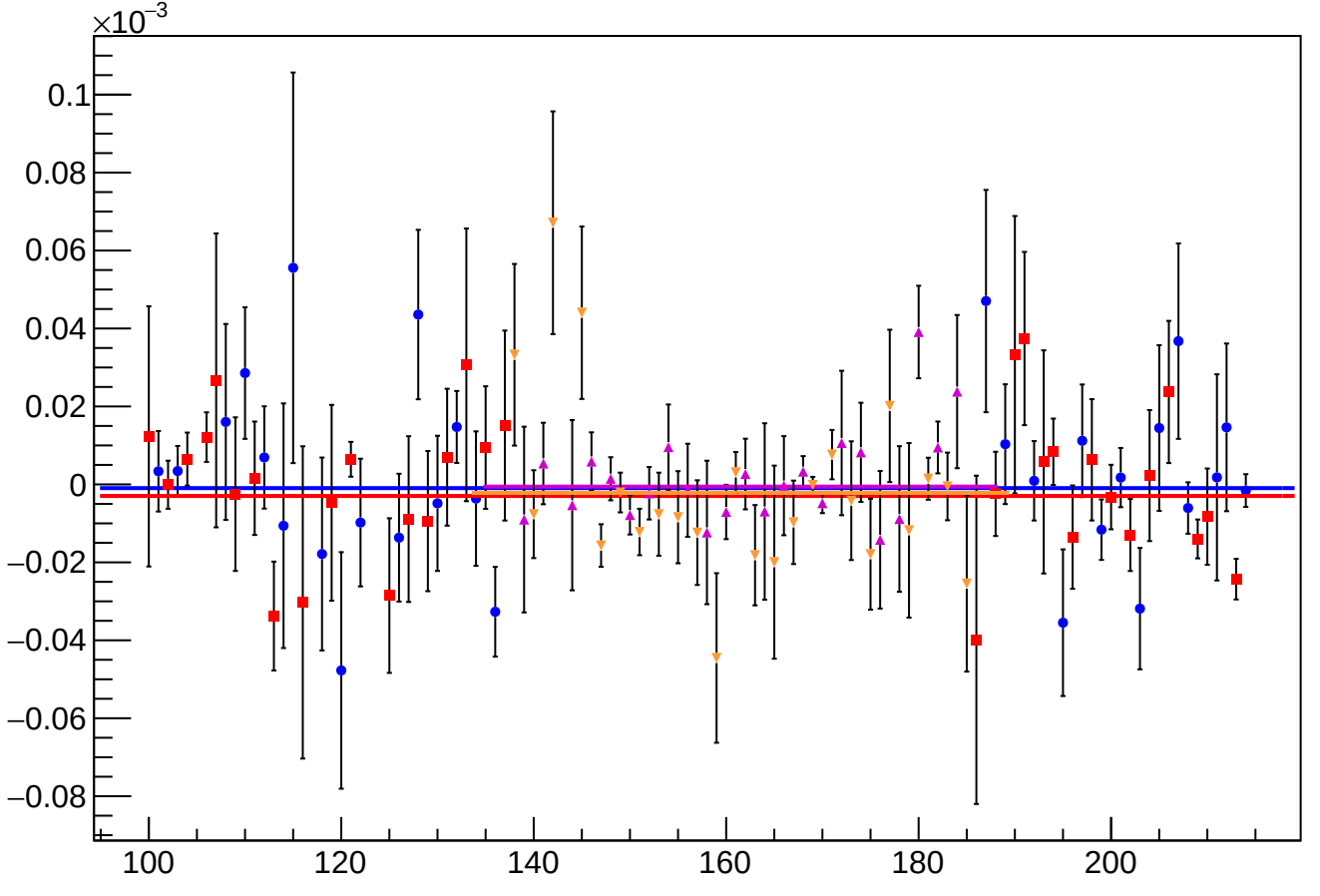
Right Out: 131.066+/-0.023 χ^2/NDF: 3221398.3/32

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 172.985+/-0.023 χ^2/NDF: 14948780.1/53

All: 165.132+/-0.016 χ^2/NDF: 32433852.9/10

- sign 158.275+/-0.022 χ^2/NDF: 17271830.2/55



Right In: -0.000+/-0.000 χ^2/NDF: 41.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

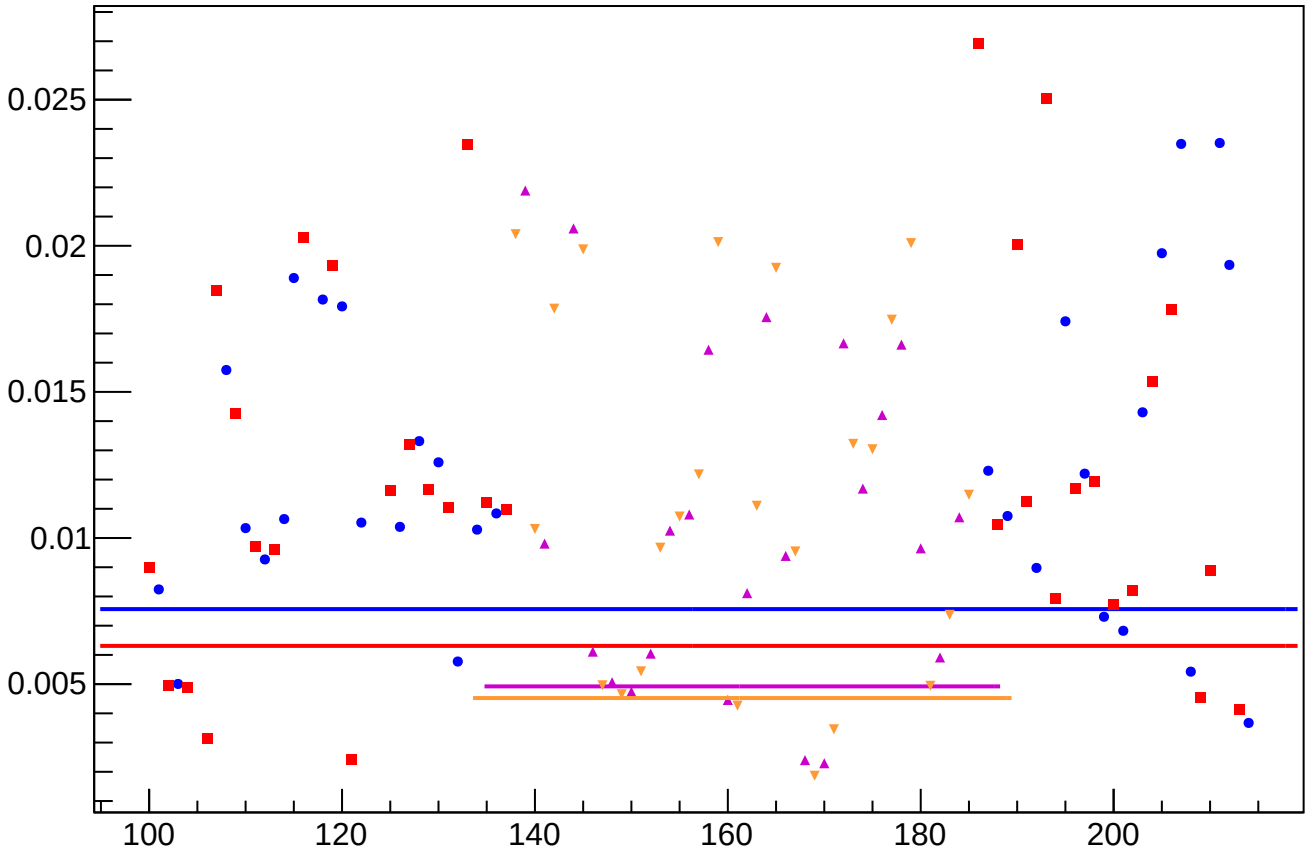
Right Out: -0.000+/-0.000 χ^2/NDF: 56.0/32

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.9/53

All: -0.000+/-0.000 χ^2/NDF: 163.2/109

- sign -0.000+/-0.000 χ^2/NDF: 83.3/55



Right In: 0.008+/-0.000 χ^2/NDF: 8117793.4/29

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 10061541.9/32

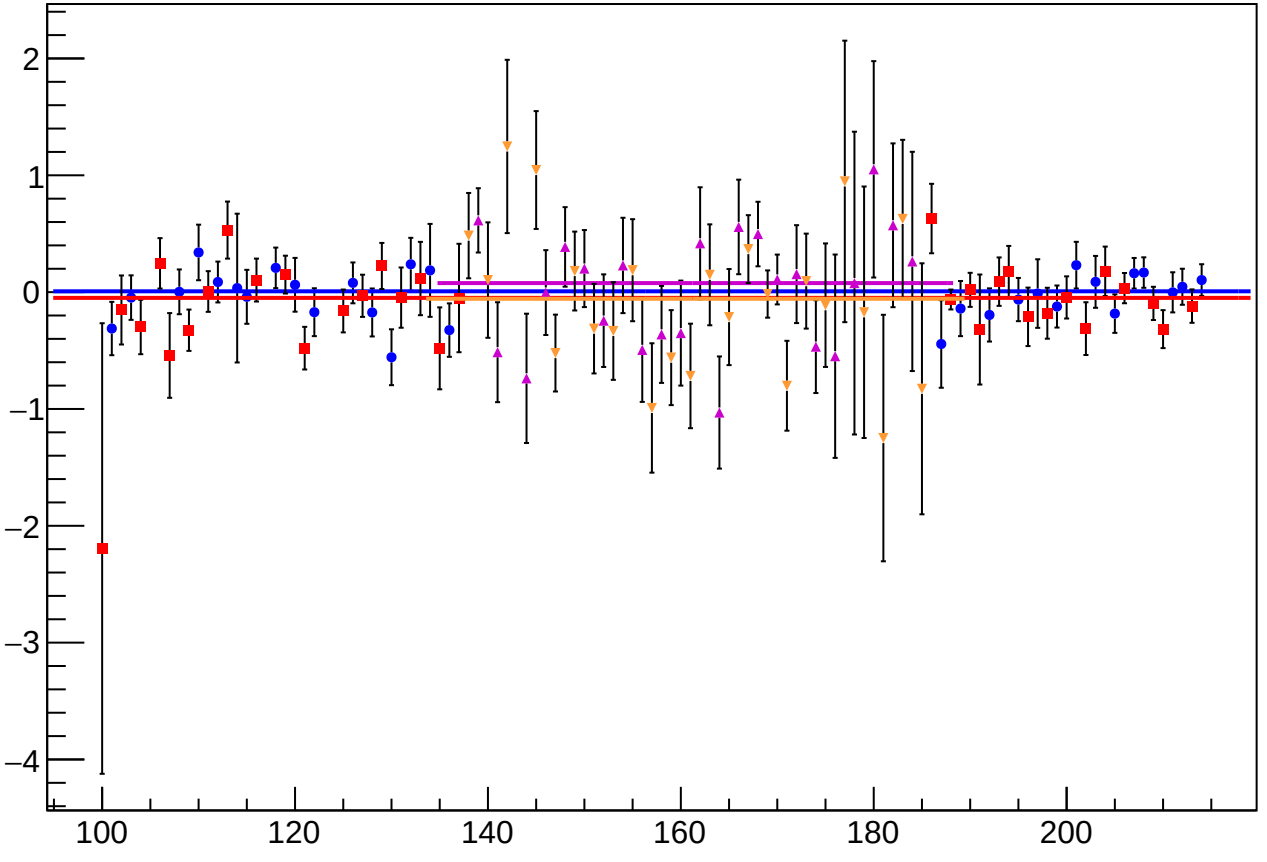
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 25312145.9/53

All: 0.005+/-0.000 χ^2/NDF: 47705063.7/109

- sign 0.005+/-0.000 χ^2/NDF: 22392792.4/55

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.007+/-0.036 χ^2/NDF: 25.8/29

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.049+/-0.033 χ^2/NDF: 40.4/32

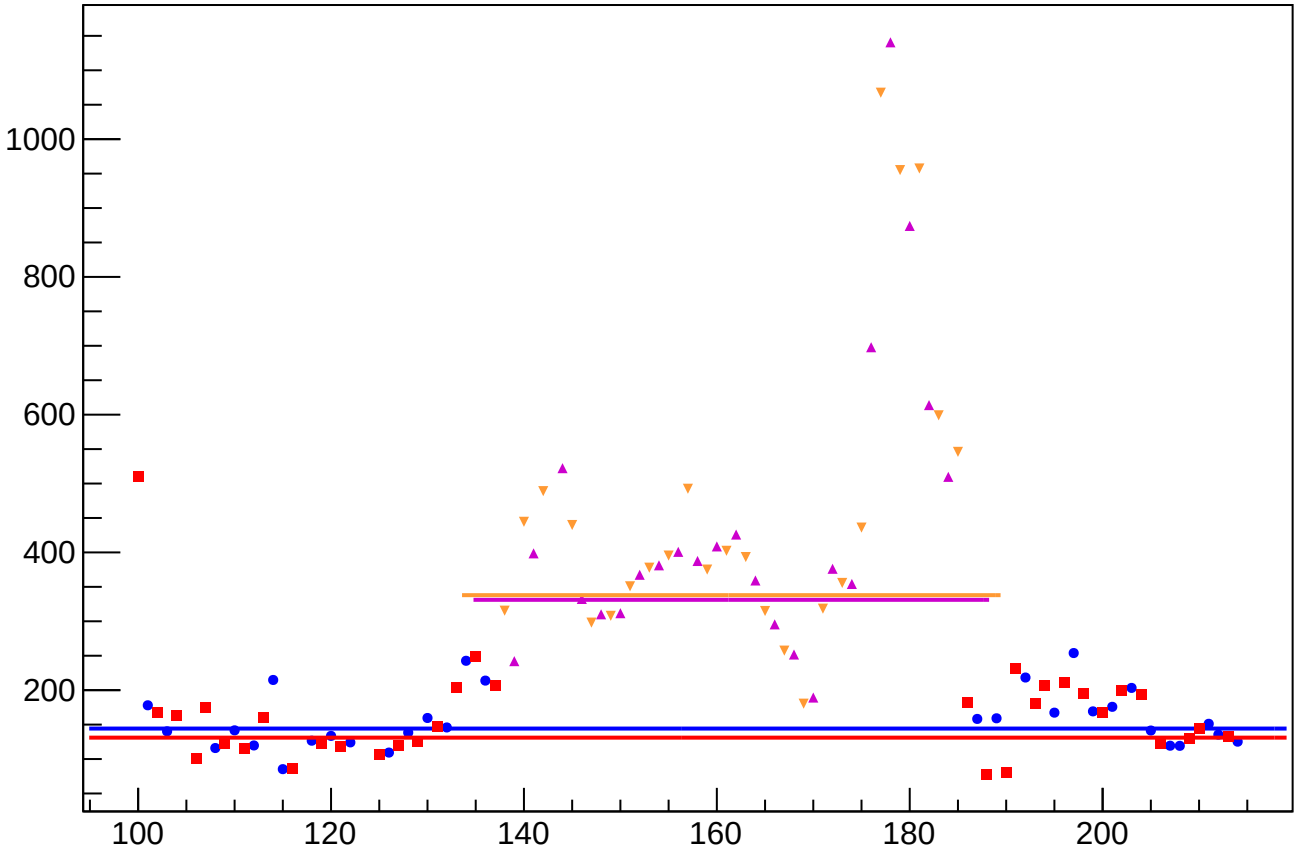
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.002+/-0.033 χ^2/NDF: 56.6/53

All: -0.018+/-0.022 χ^2/NDF: 126.4/109

- sign -0.032+/-0.031 χ^2/NDF: 69.4/55

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 144.252+/-0.025 χ^2/NDF: 1682685.6/29

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

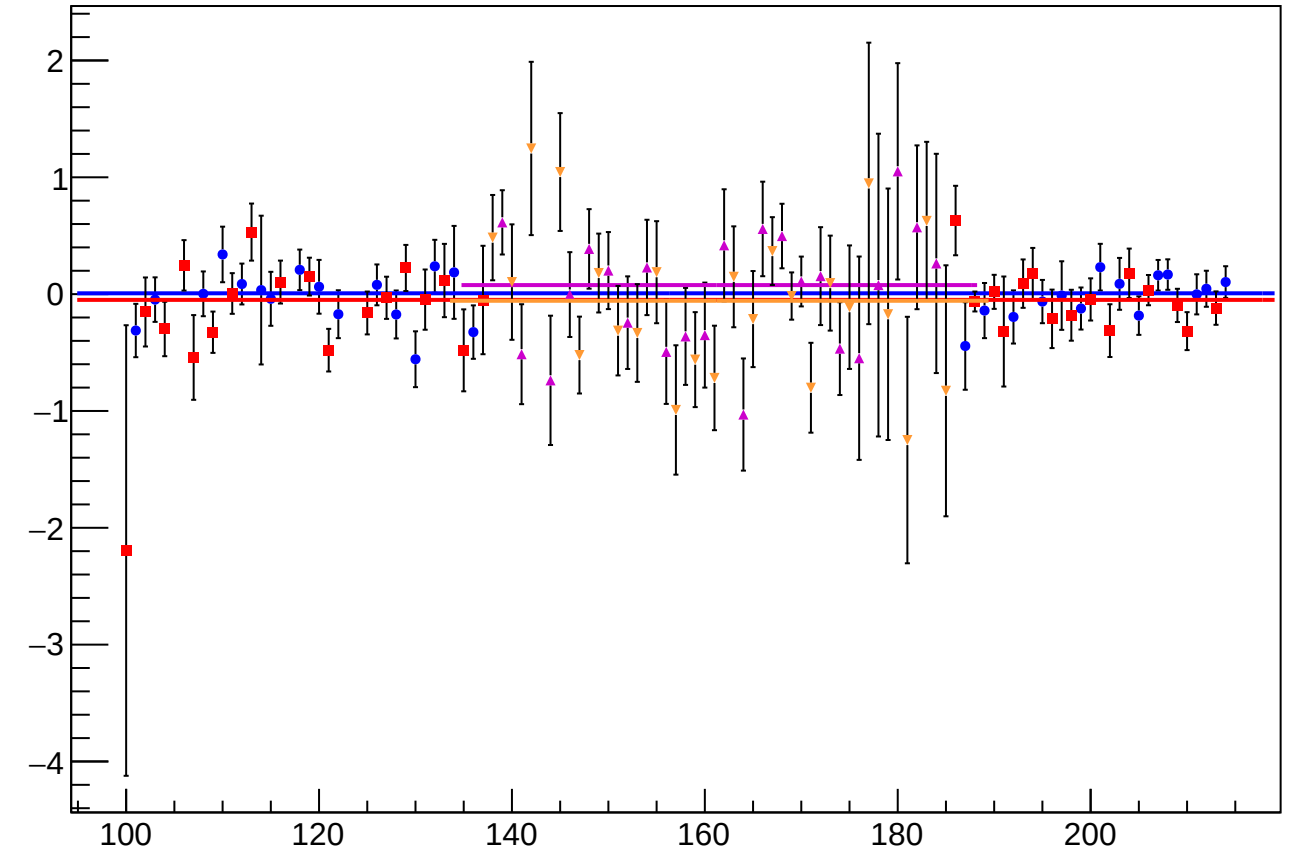
Right Out: 131.064+/-0.023 χ^2/NDF: 3221561.4/32

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 172.985+/-0.023 χ^2/NDF: 14948887.8/53

All: 165.131+/-0.016 χ^2/NDF: 32434490.0/10

- sign 158.273+/-0.022 χ^2/NDF: 17272300.9/55



Right In: 0.007+/-0.036 χ^2/NDF: 25.8/29

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

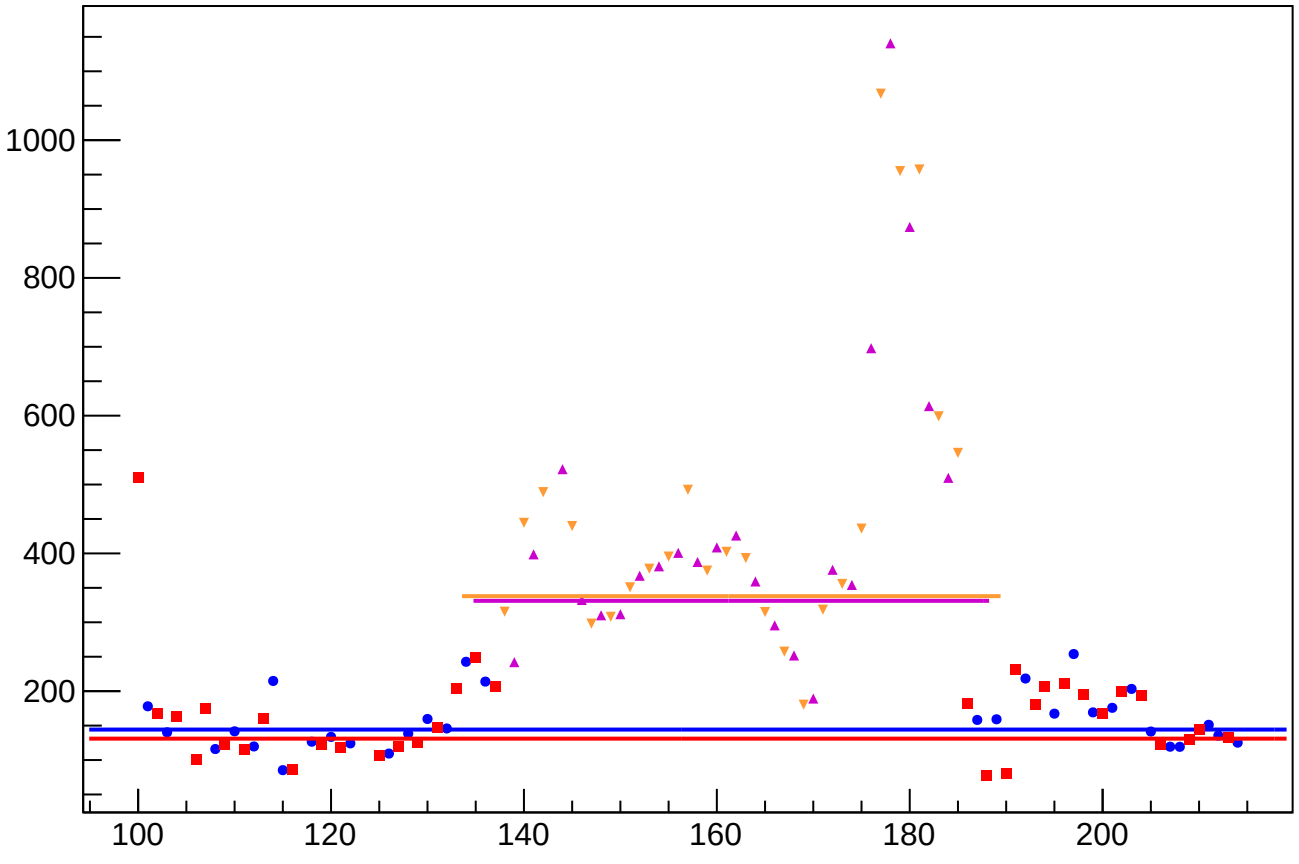
Right Out: -0.049+/-0.033 χ^2/NDF: 40.4/32

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.002+/-0.033 χ^2/NDF: 56.6/53

All: -0.018+/-0.022 χ^2/NDF: 126.4/109

- sign -0.032+/-0.031 χ^2/NDF: 69.4/55



Right In: 144.252+/-0.025 χ^2/NDF: 1682685.6/29

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

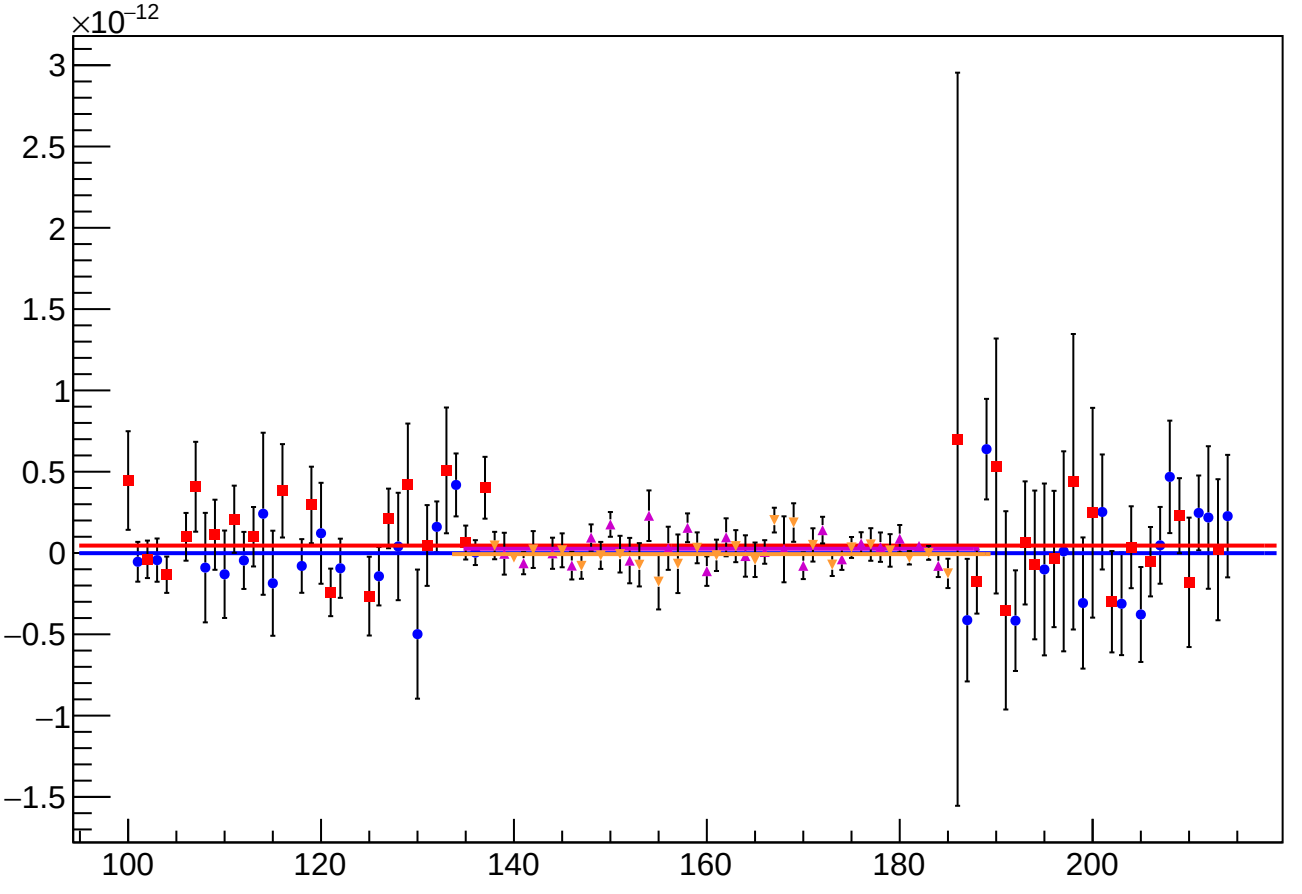
Right Out: 131.064+/-0.023 χ^2/NDF: 3221561.4/32

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 172.985+/-0.023 χ^2/NDF: 14948887.8/53

All: 165.131+/-0.016 χ^2/NDF: 32434490.0/10

- sign 158.273+/-0.022 χ^2/NDF: 17272300.9/55



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

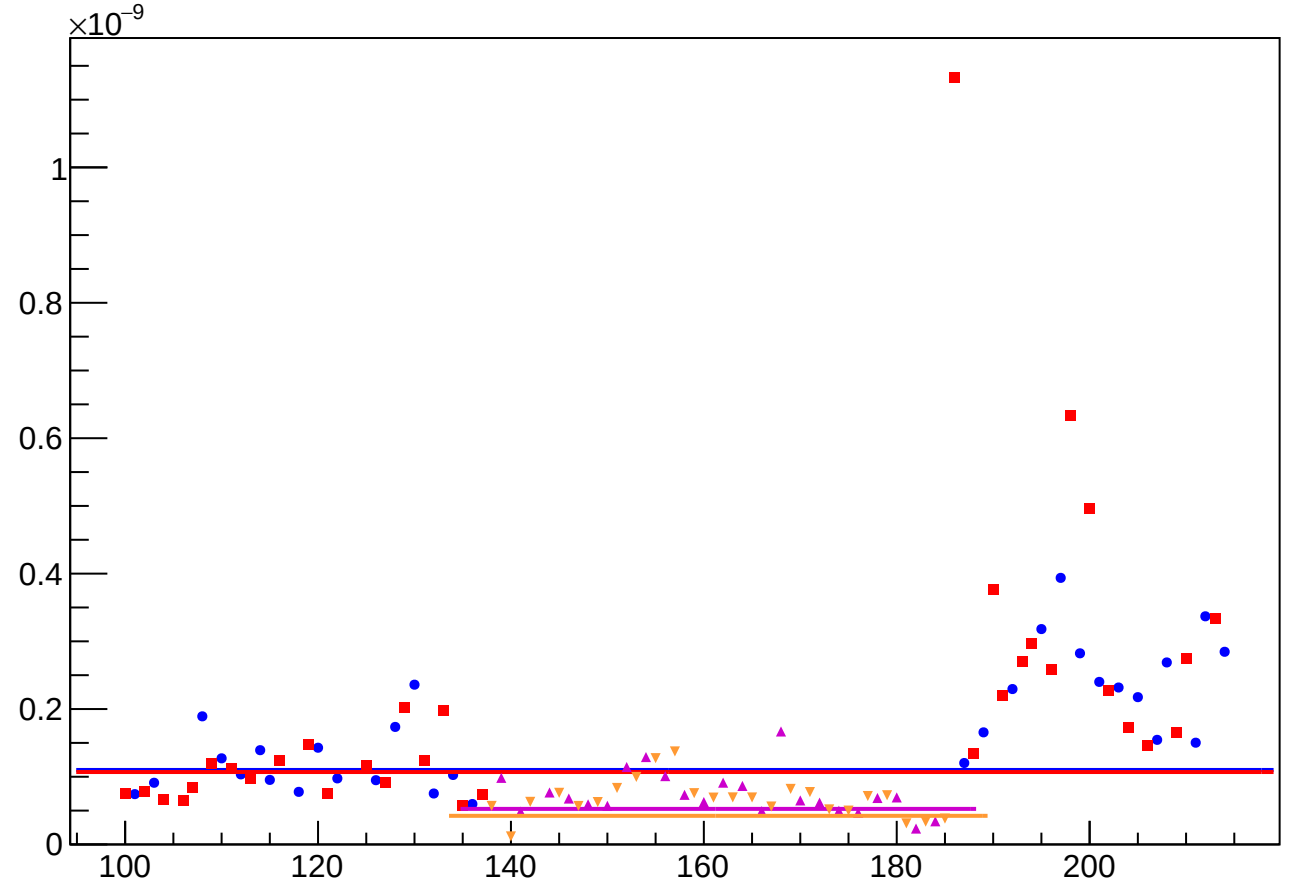
Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/32

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.7/53

All: 0.000+/-0.000 χ^2/NDF: 96.1/109

- sign 0.000+/-0.000 χ^2/NDF: 50.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 5531273.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6195234.5/32

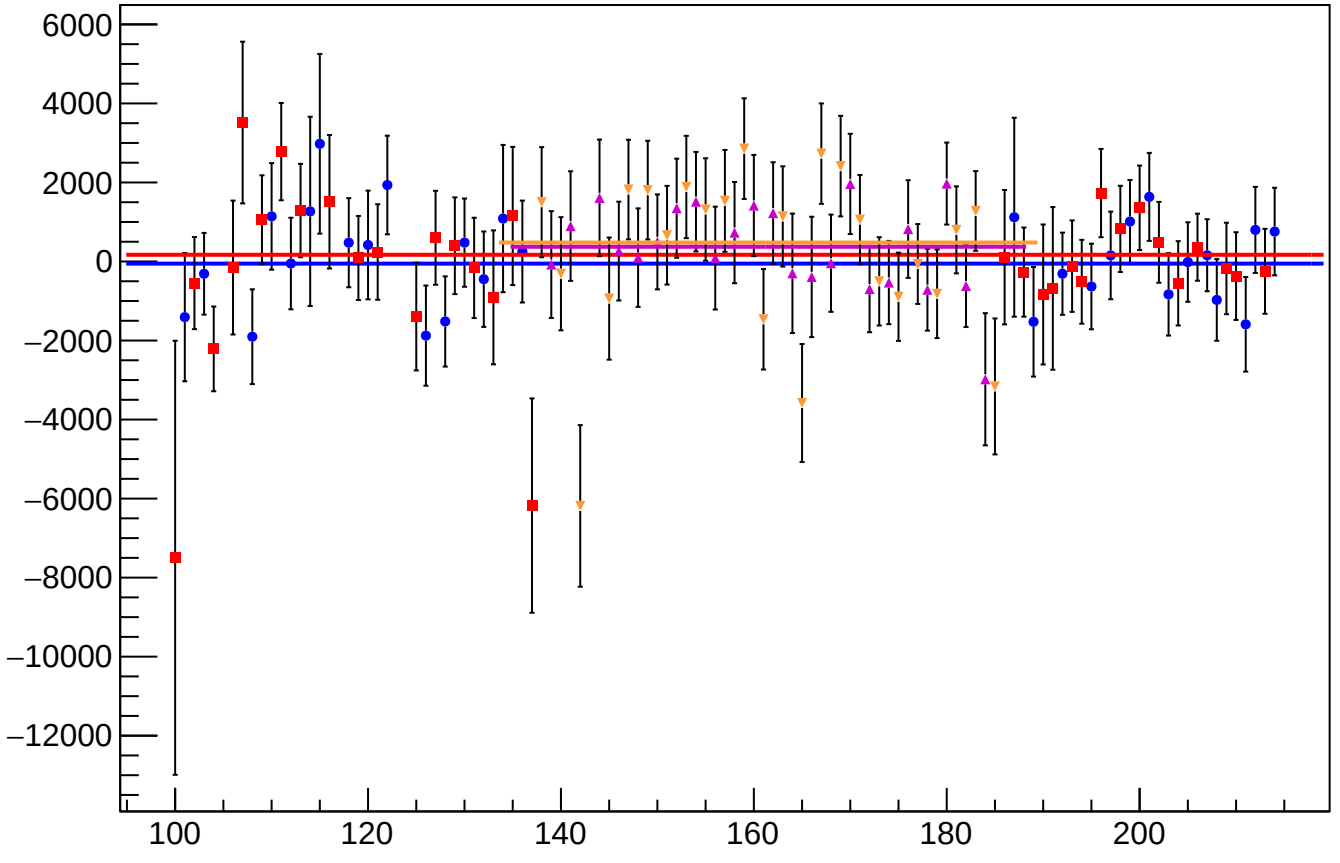
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17699299.9/53

All: 0.000+/-0.000 χ^2/NDF: 32855278.3/109

- sign 0.000+/-0.000 χ^2/NDF: 14621273.2/55

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -53.802+/-219.386 χ^2/NDF: 22.6/29

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 170.094+/-217.483 χ^2/NDF: 30.1/32

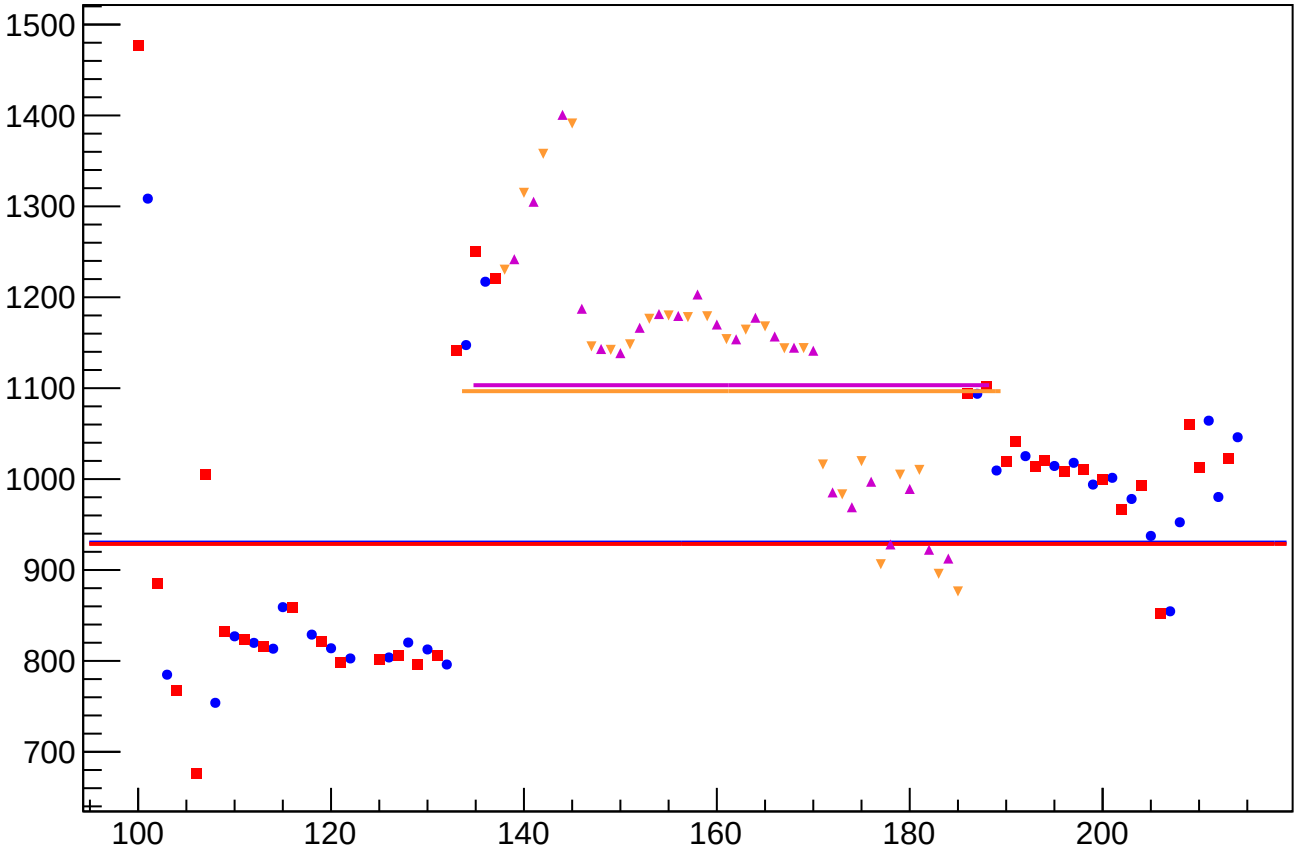
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 171.704+/-166.675 χ^2/NDF: 70.3/53

All: 212.787+/-117.843 χ^2/NDF: 116.9/109

\- sign 253.851+/-166.636 χ^2/NDF: 46.5/55

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 930.162+/-0.155 χ^2/NDF: 632754.6/29

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 928.697+/-0.153 χ^2/NDF: 656600.9/32

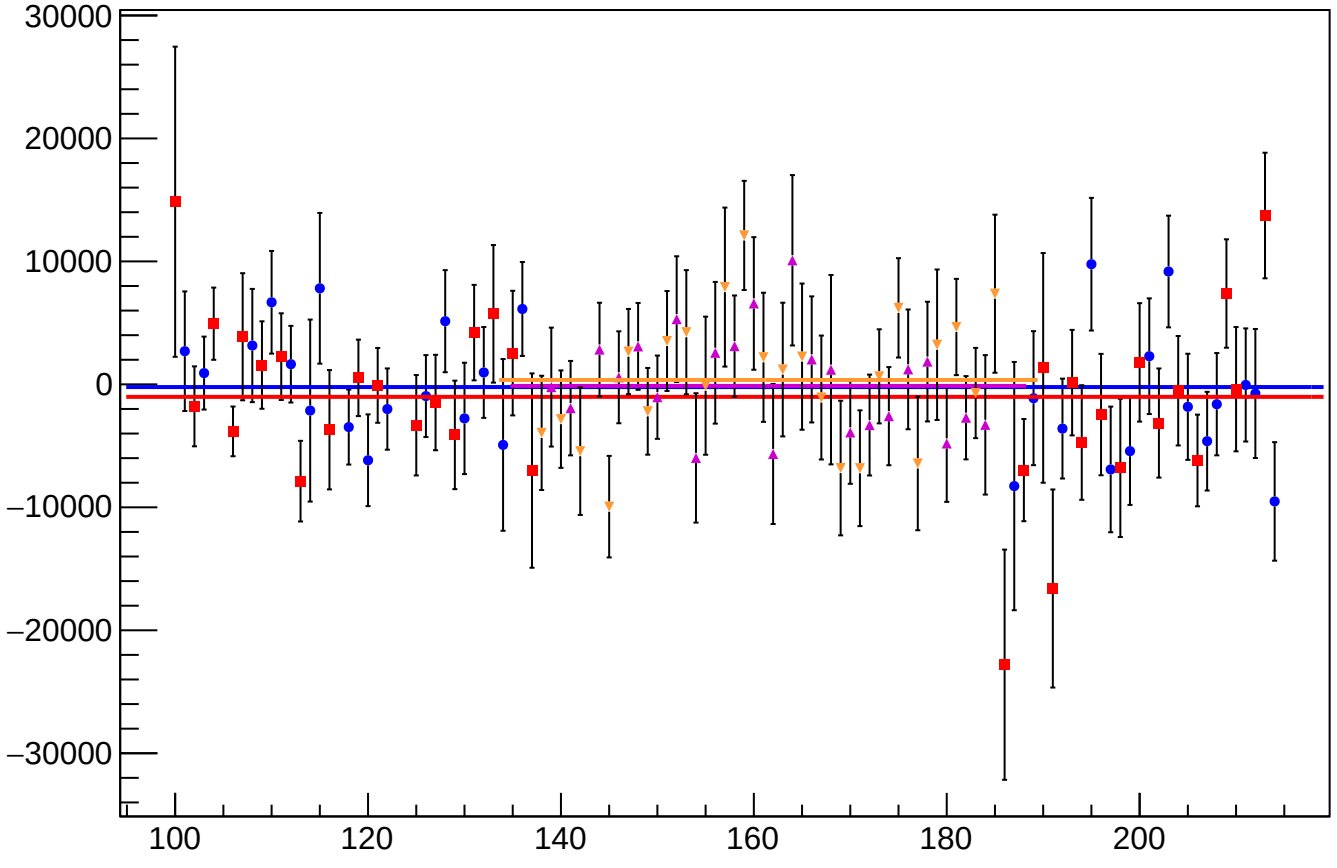
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1000.580+/-0.118 χ^2/NDF: 1600602.4/53

All: 1000.442+/-0.083 χ^2/NDF: 3239446.4/10

- sign 1000.306+/-0.117 χ^2/NDF: 1638841.4/55

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -218.976+/-775.809 χ^2/NDF: 32.9/29

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1016.435+/-715.902 χ^2/NDF: 47.8/32

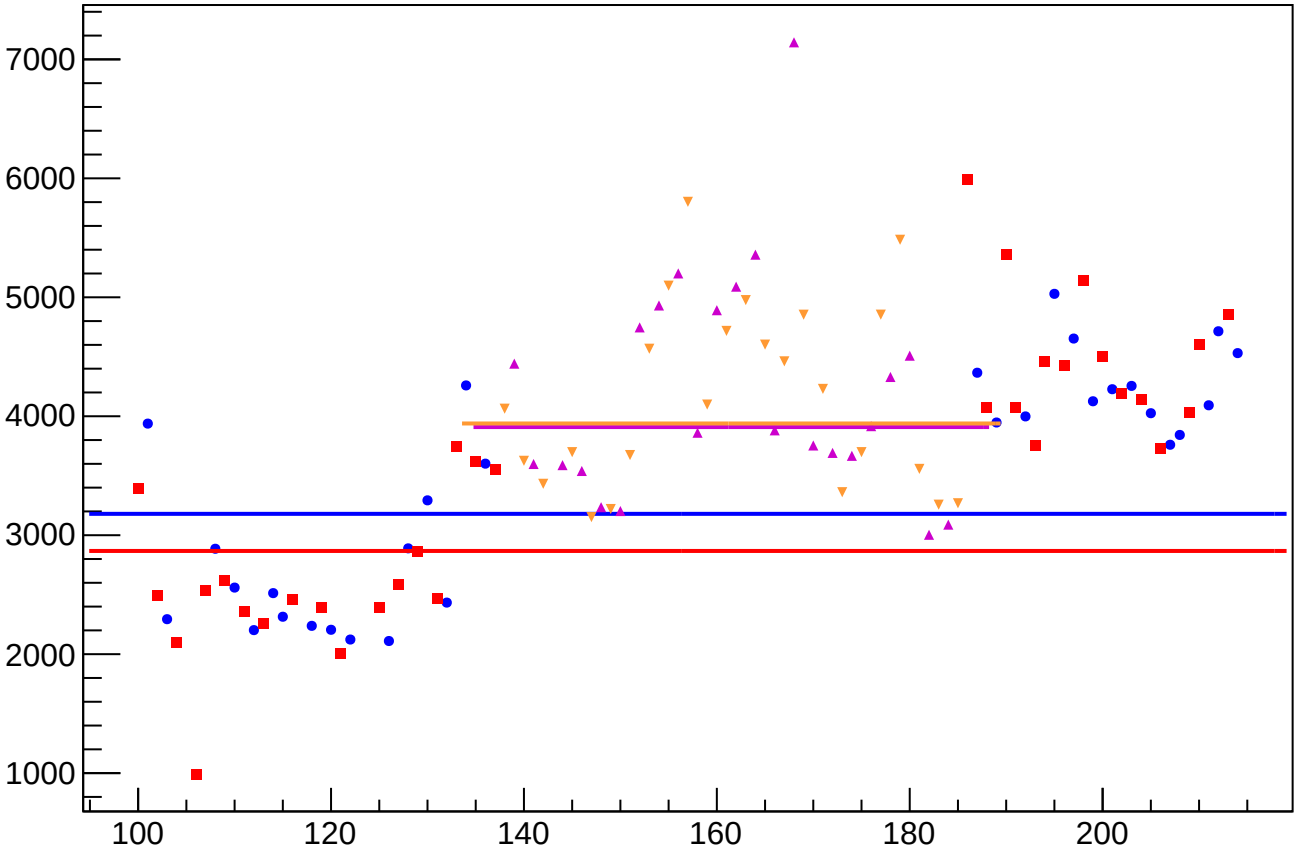
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 16.407+/-596.843 χ^2/NDF: 63.4/53

All: -352.539+/-411.413 χ^2/NDF: 126.2/109

- sign -686.556+/-567.888 χ^2/NDF: 62.1/55

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3179.671+/-0.549 χ^2/NDF: 2865931.6/29

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2867.668+/-0.506 χ^2/NDF: 5192403.3/32

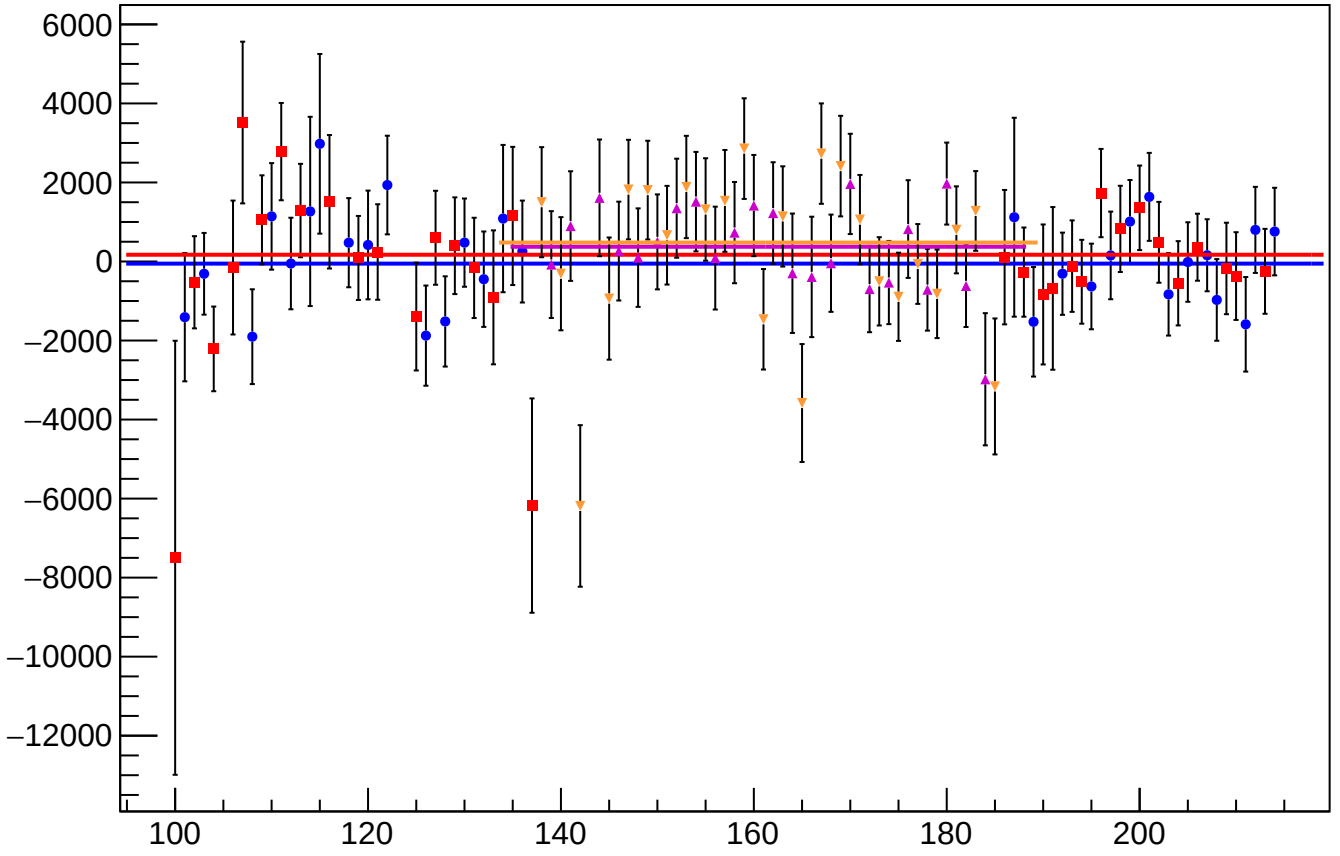
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3489.699+/-0.422 χ^2/NDF: 4741126.7/53

All: 3365.889+/-0.291 χ^2/NDF: 12967575.2/1

- sign 3253.801+/-0.402 χ^2/NDF: 8062468.1/55

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -53.814+/-219.386 χ^2/NDF: 22.6/29

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 170.856+/-217.485 χ^2/NDF: 30.1/32

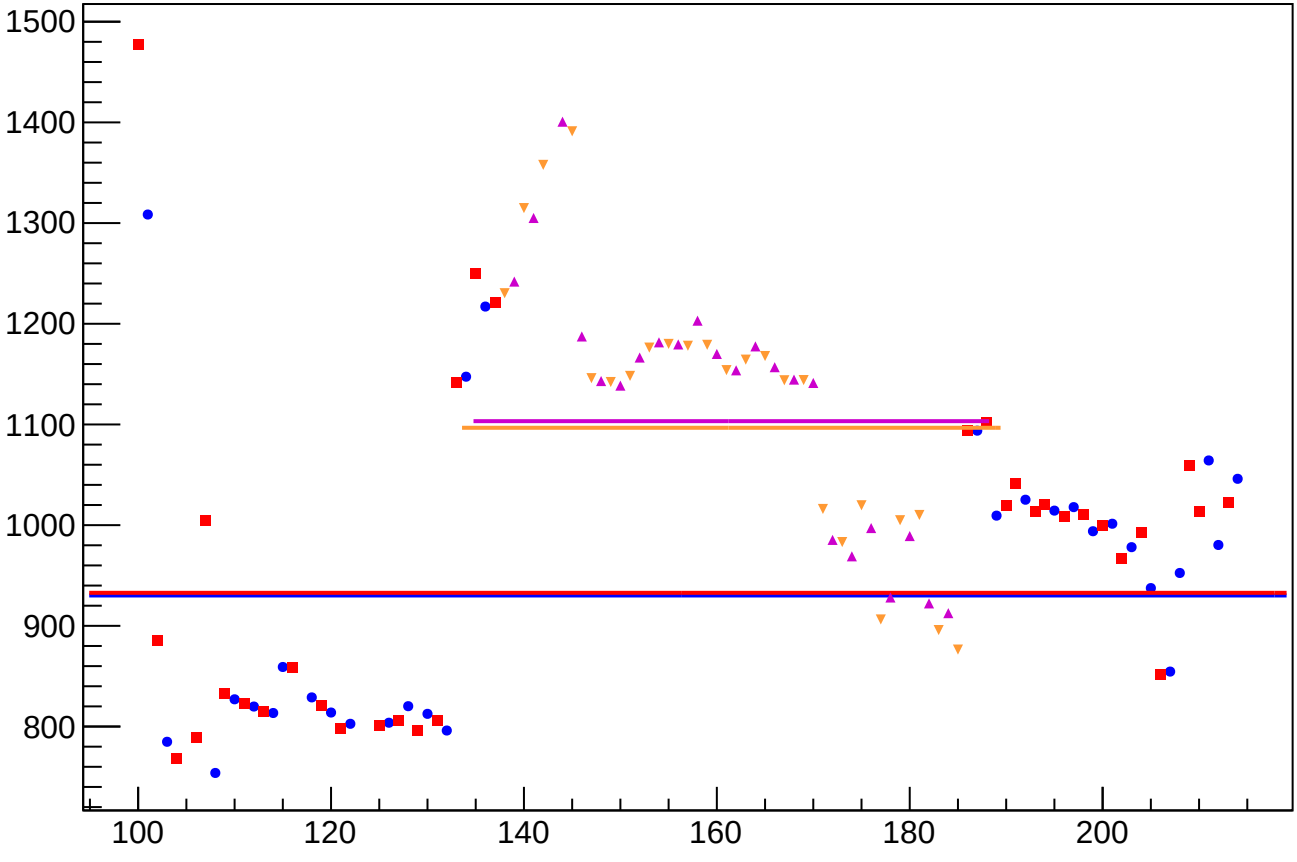
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 171.709+/-166.675 χ^2/NDF: 70.3/53

All: 213.008+/-117.843 χ^2/NDF: 116.9/109

\- sign 254.289+/-166.636 χ^2/NDF: 46.5/55

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 930.162+/-0.155 χ^2/NDF: 632754.5/29

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 932.798+/-0.153 χ^2/NDF: 597645.7/32

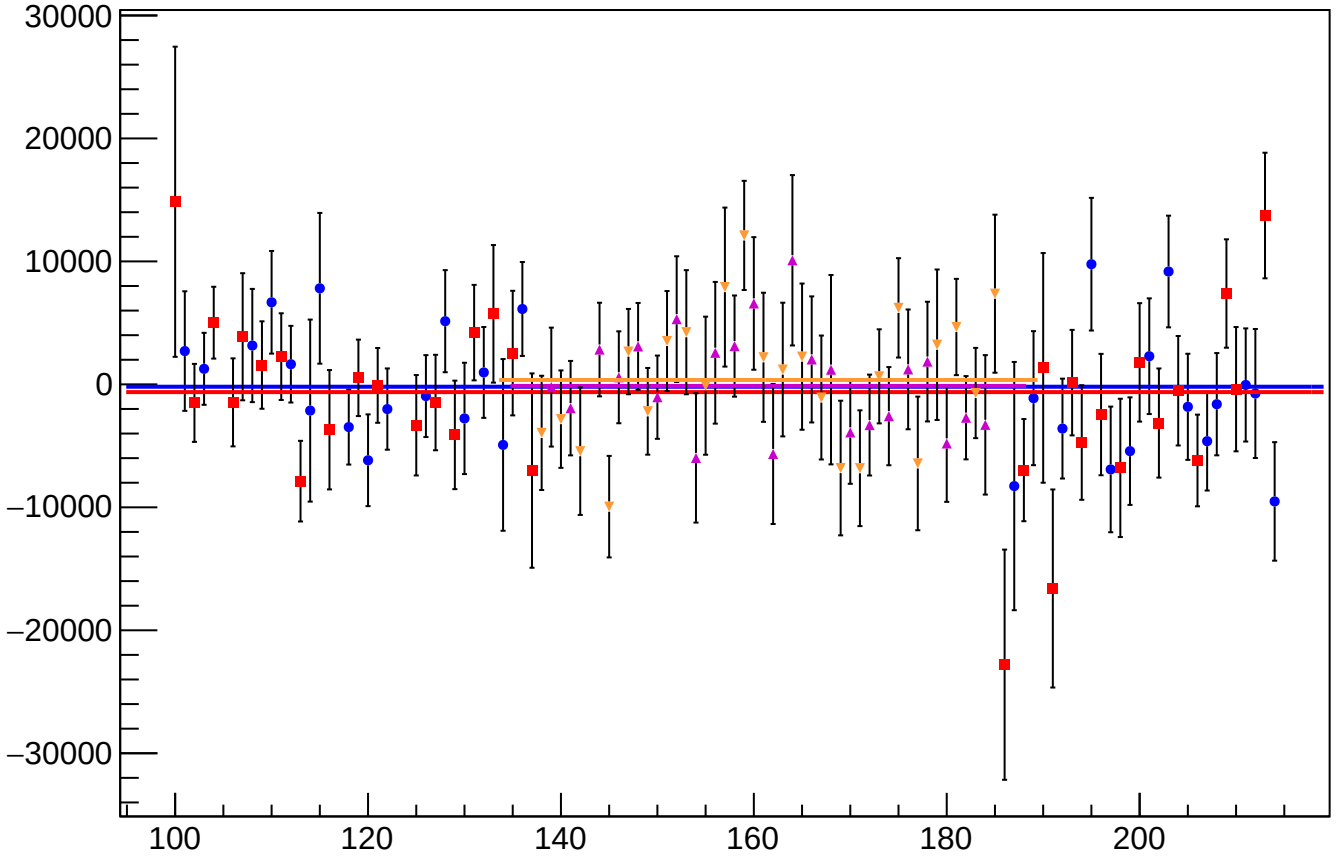
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1000.580+/-0.118 χ^2/NDF: 1600602.4/53

All: 1001.793+/-0.083 χ^2/NDF: 3154474.8/10

- sign 1003.001+/-0.118 χ^2/NDF: 1553660.9/55

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -192.262+/-775.100 χ^2/NDF: 33.0/29

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -629.307+/-747.304 χ^2/NDF: 45.7/32

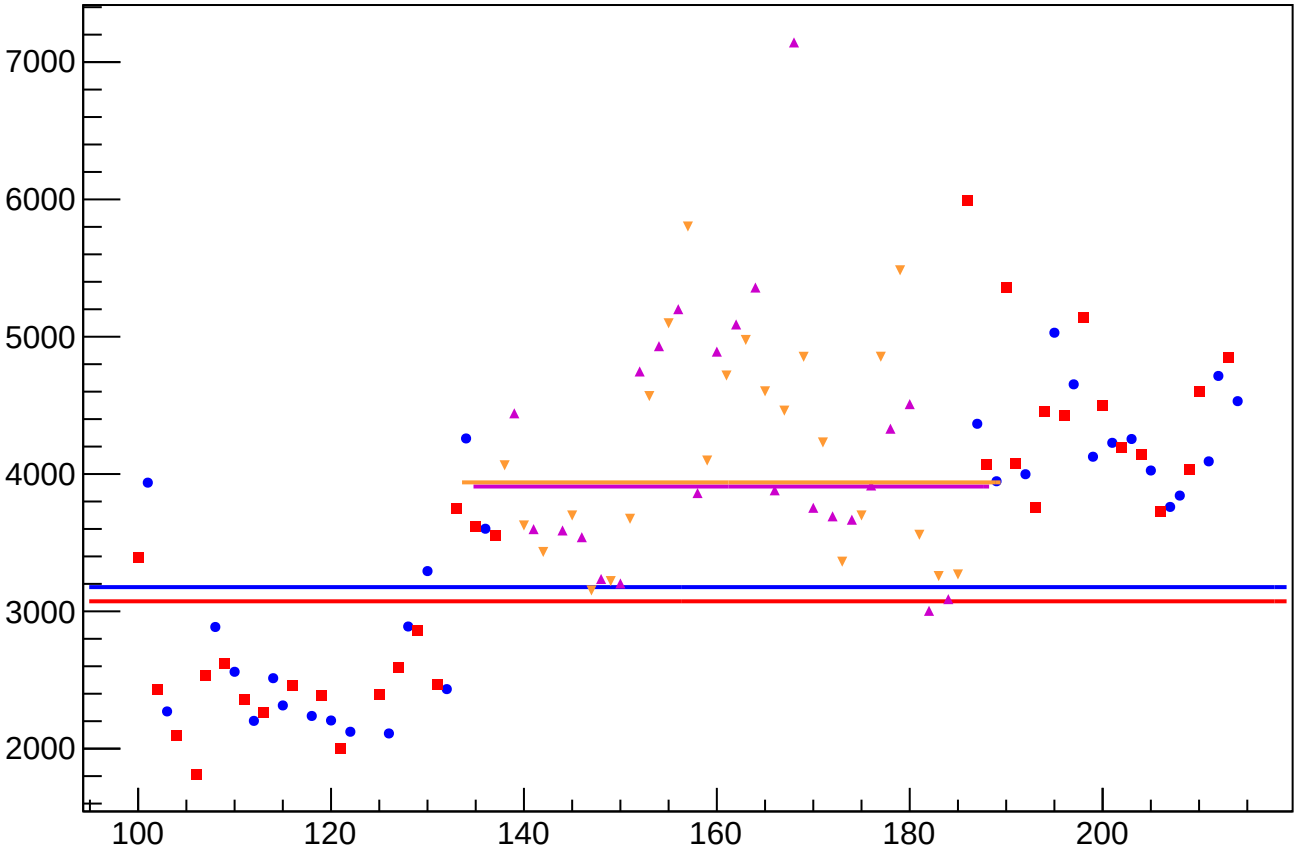
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 31.974+/-596.520 χ^2/NDF: 63.5/53

All: -205.647+/-417.008 χ^2/NDF: 123.5/109

- sign -432.762+/-583.183 χ^2/NDF: 59.6/55

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3176.428+/-0.548 χ^2/NDF: 2880212.7/29

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3073.082+/-0.528 χ^2/NDF: 3501001.6/32

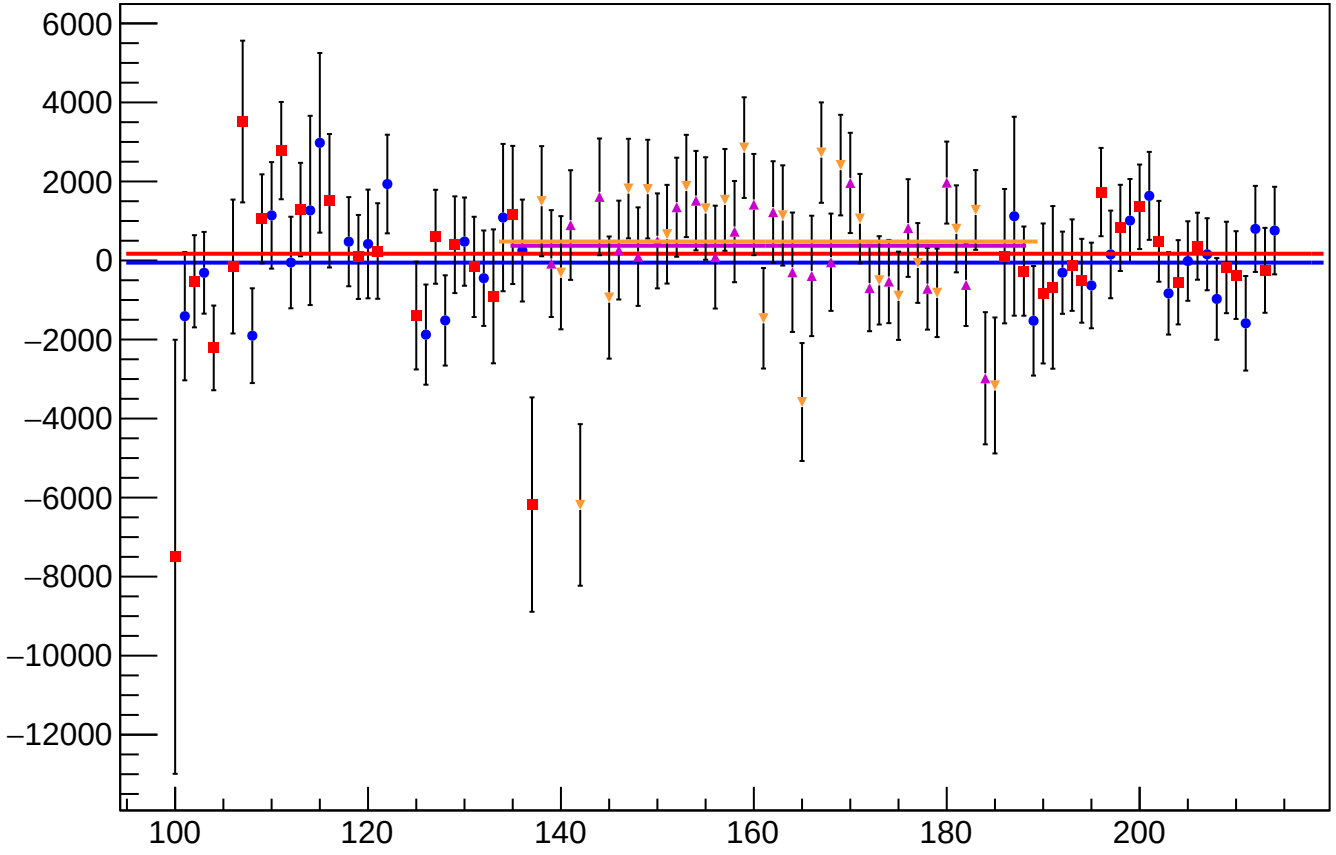
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3487.444+/-0.422 χ^2/NDF: 4762693.2/53

All: 3442.722+/-0.295 χ^2/NDF: 10565218.1/1

- sign 3399.977+/-0.412 χ^2/NDF: 5780538.9/55

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -53.814+/-219.386 χ^2/NDF: 22.6/29

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 170.856+/-217.485 χ^2/NDF: 30.1/32

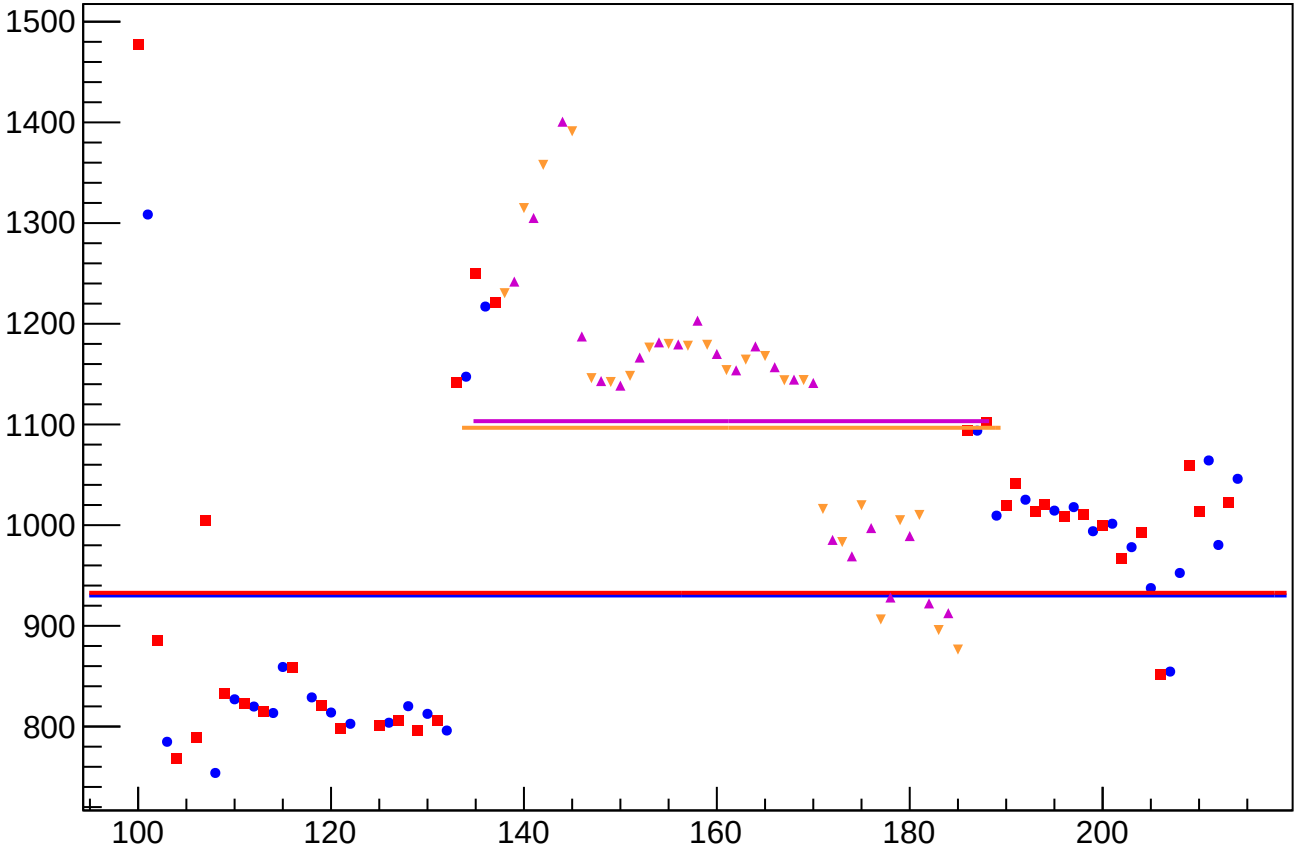
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

\+ sign 171.709+/-166.675 χ^2/NDF: 70.3/53

All: 213.008+/-117.843 χ^2/NDF: 116.9/109

\- sign 254.289+/-166.636 χ^2/NDF: 46.5/55

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 930.162+/-0.155 χ^2/NDF: 632754.5/29

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

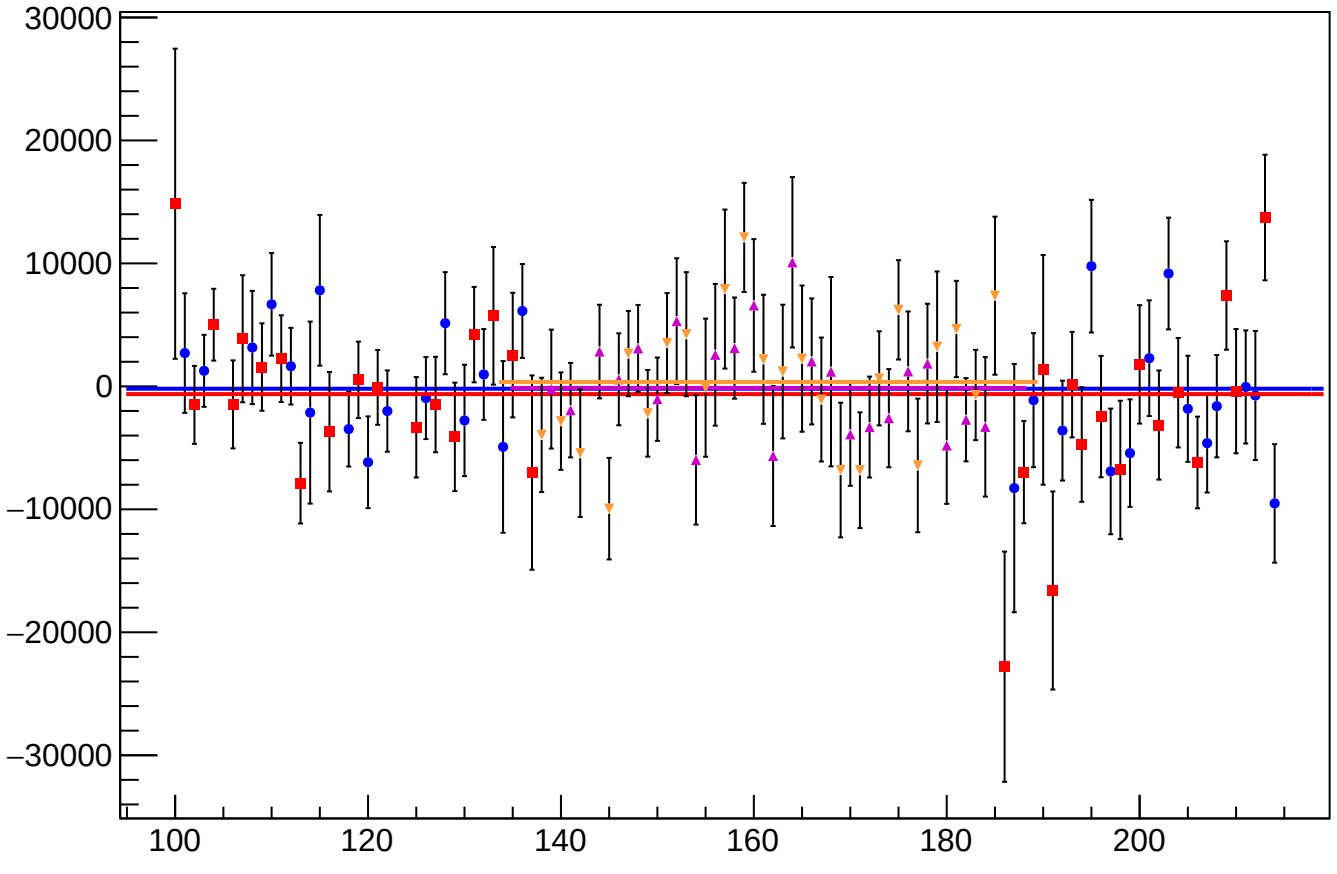
Right Out: 932.798+/-0.153 χ^2/NDF: 597645.7/32

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1000.580+/-0.118 χ^2/NDF: 1600602.4/53

All: 1001.793+/-0.083 χ^2/NDF: 3154474.8/10

- sign 1003.001+/-0.118 χ^2/NDF: 1553660.9/55



Right In: -192.262+/-775.100 χ^2/NDF: 33.0/29

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

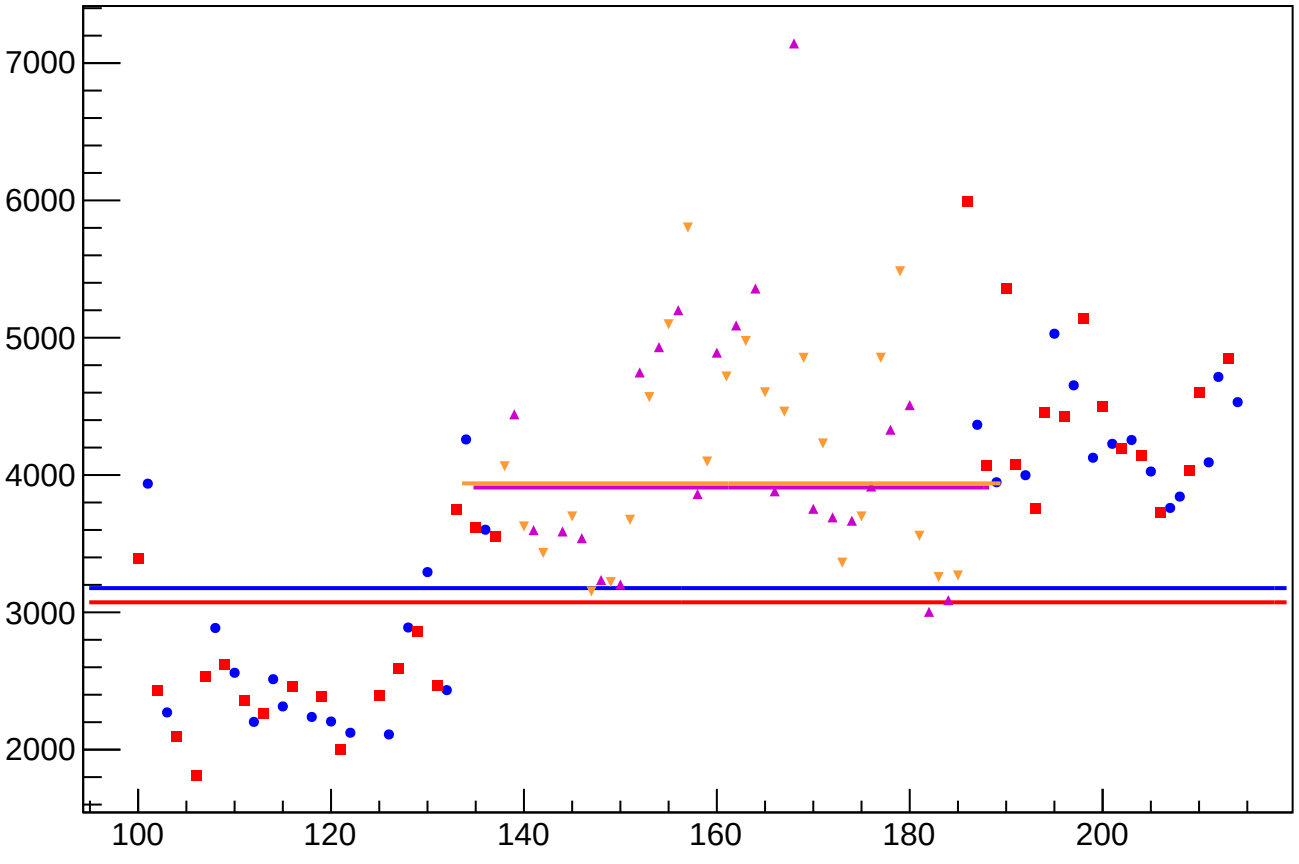
Right Out: -629.307+/-747.304 χ^2/NDF: 45.7/32

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 31.974+/-596.520 χ^2/NDF: 63.5/53

All: -205.647+/-417.008 χ^2/NDF: 123.5/109

- sign -432.762+/-583.183 χ^2/NDF: 59.6/55



Right In: 3176.428+/-0.548 χ^2/NDF: 2880212.7/29

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3073.082+/-0.528 χ^2/NDF: 3501001.6/32

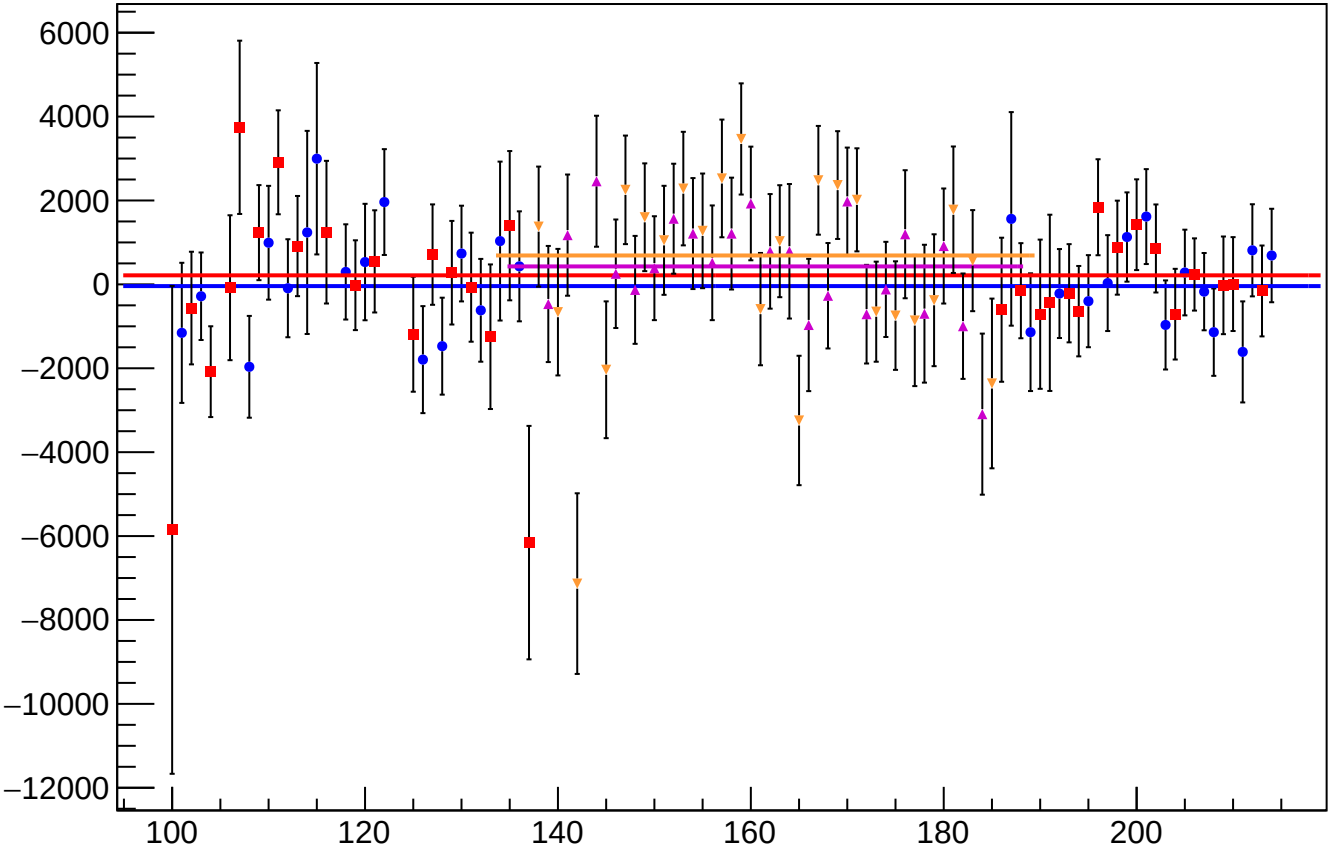
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3487.444+/-0.422 χ^2/NDF: 4762693.2/53

All: 3442.722+/-0.295 χ^2/NDF: 10565218.1/1

- sign 3399.977+/-0.412 χ^2/NDF: 5780538.9/55

dit_asym_usl_atl2_dd_mean vs Slug



Right In: -40.931+/-222.167 χ^2/NDF: 22.2/29

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 215.506+/-221.082 χ^2/NDF: 29.3/32

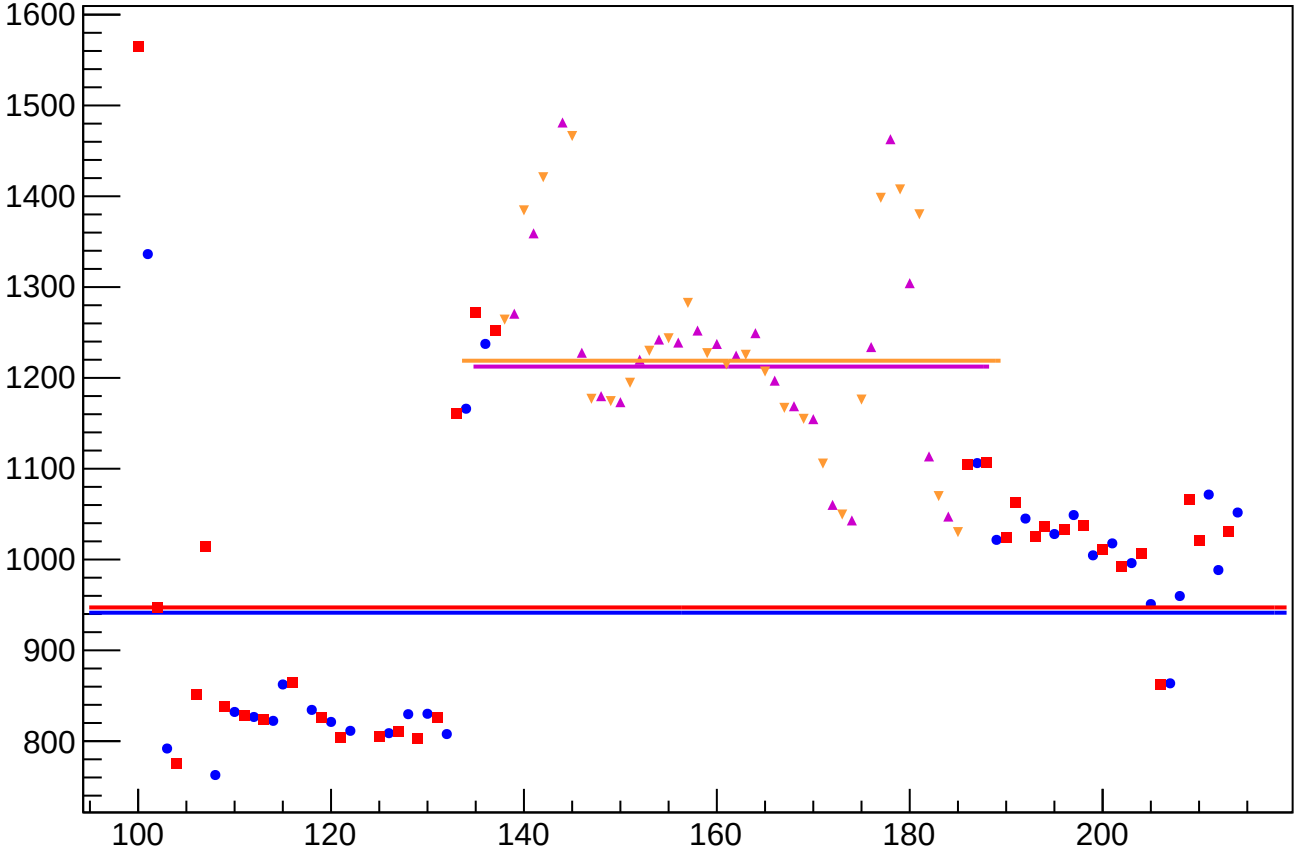
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

\+ sign 235.742+/-175.076 χ^2/NDF: 72.1/53

All: 265.749+/-123.609 χ^2/NDF: 116.4/109

\- sign 295.573+/-174.543 χ^2/NDF: 44.2/55

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 941.435+/-0.157 χ^2/NDF: 650432.6/29

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 947.252+/-0.156 χ^2/NDF: 601269.9/32

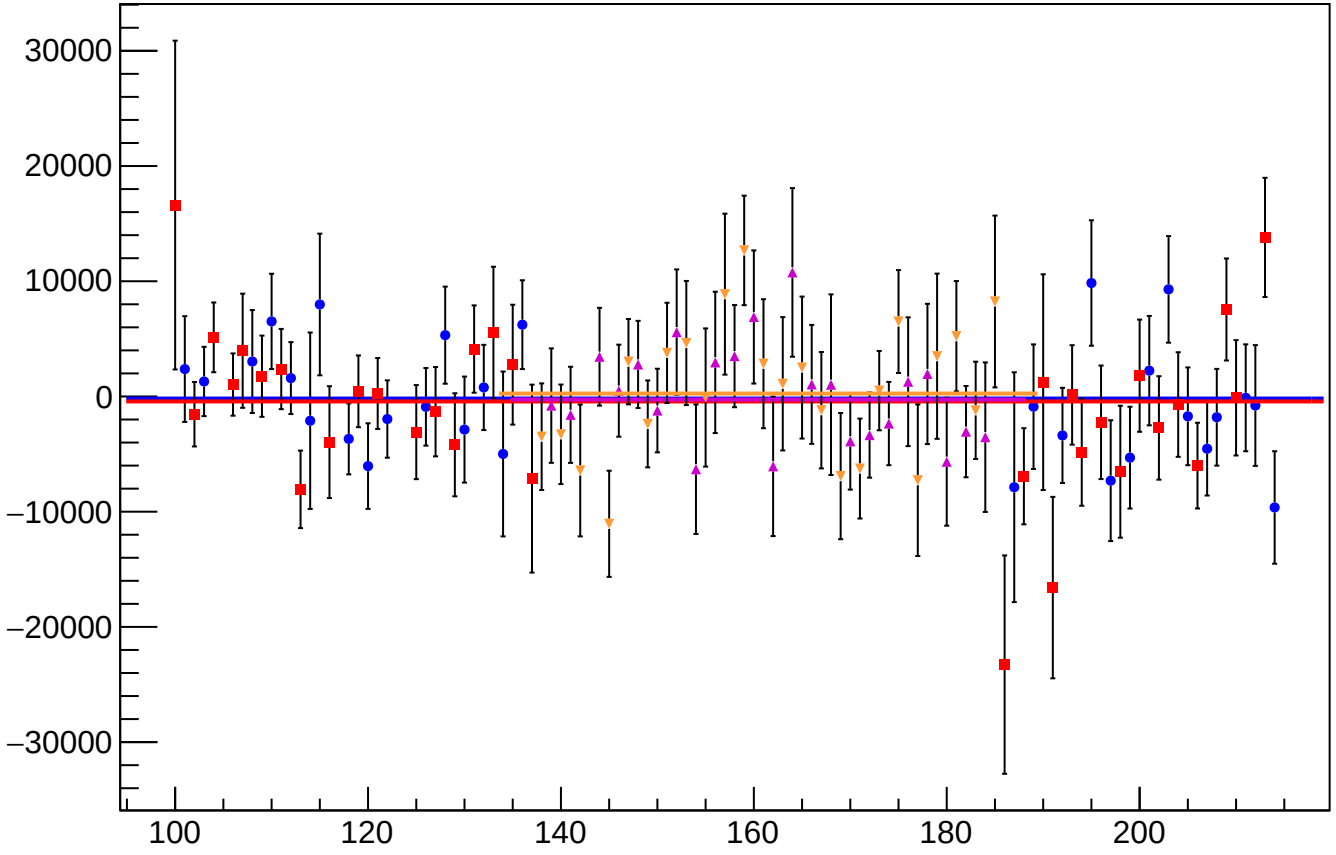
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1046.603+/-0.124 χ^2/NDF: 2126822.5/53

All: 1046.850+/-0.087 χ^2/NDF: 4072837.4/10

- sign 1047.096+/-0.123 χ^2/NDF: 1946007.0/55

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -181.330+/-779.918 χ^2/NDF: 32.7/29

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -431.185+/-733.315 χ^2/NDF: 45.9/32

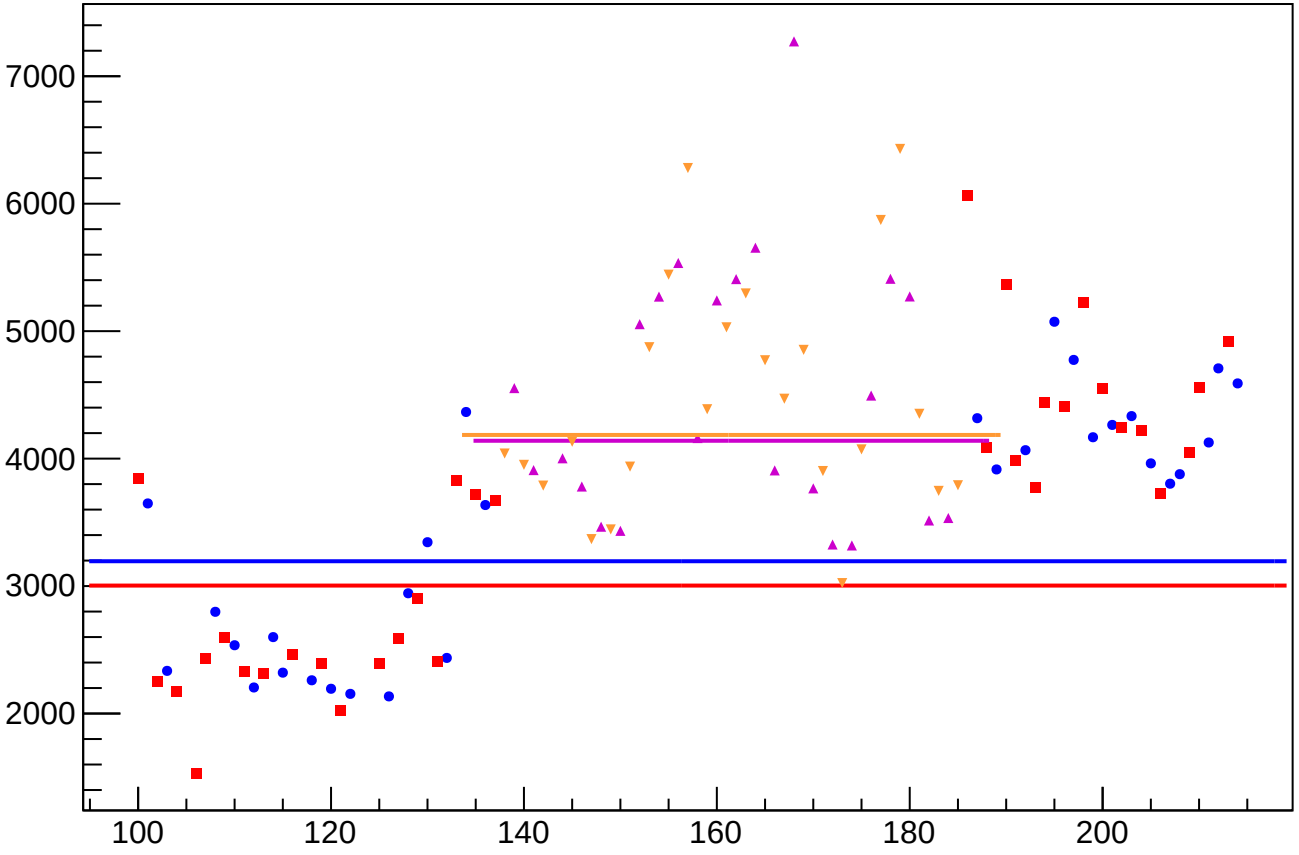
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign -16.141+/-613.858 χ^2/NDF: 62.5/53

All: -201.728+/-425.109 χ^2/NDF: 122.0/109

- sign -372.752+/-589.283 χ^2/NDF: 59.3/55

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3194.907+/-0.551 χ^2/NDF: 2858980.1/29

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3003.978+/-0.519 χ^2/NDF: 4000098.4/32

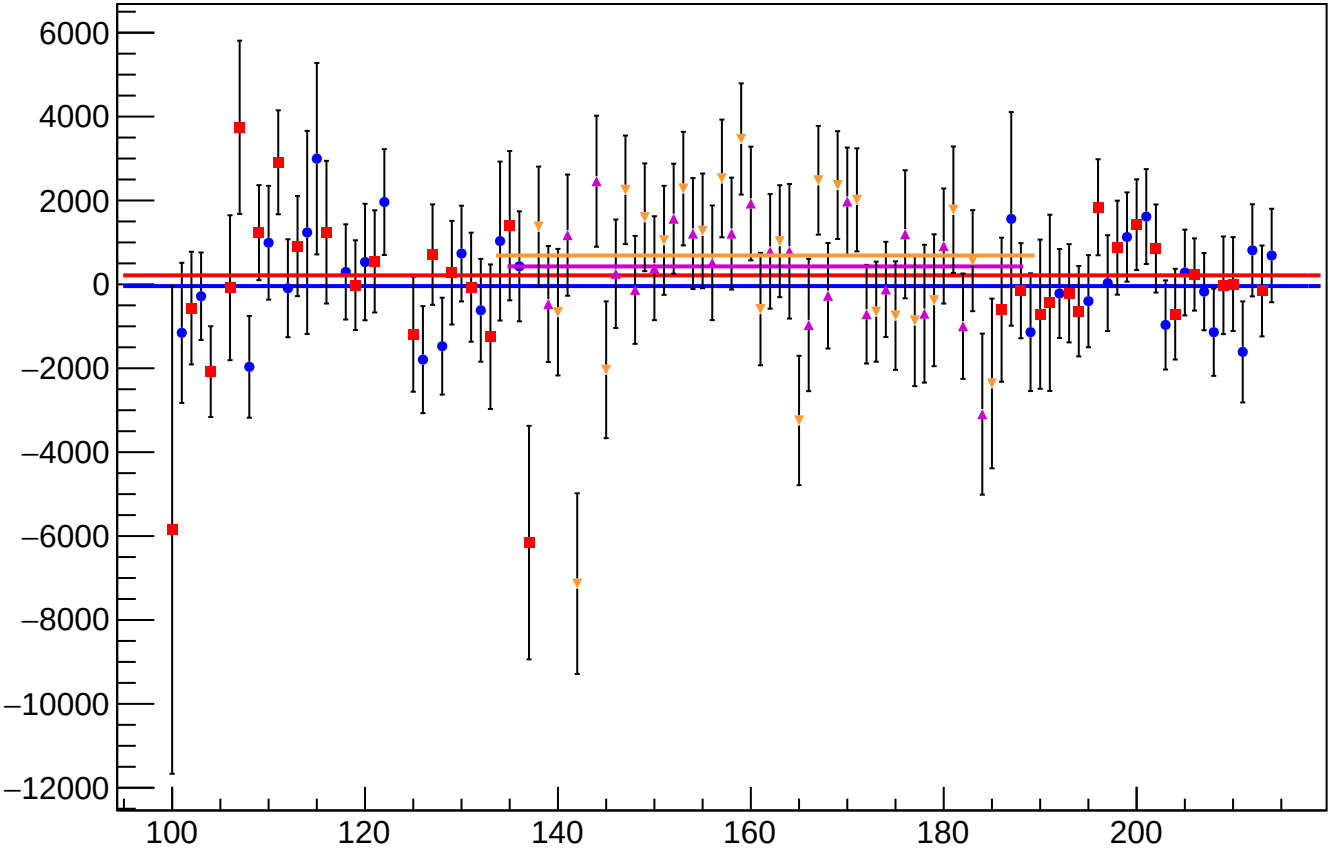
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3571.891+/-0.434 χ^2/NDF: 5358286.5/53

All: 3485.781+/-0.301 χ^2/NDF: 12584391.8/1

- sign 3406.428+/-0.417 χ^2/NDF: 7150483.0/55

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: -40.934+/-222.167 χ^2/NDF: 22.2/29

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 215.506+/-221.082 χ^2/NDF: 29.3/32

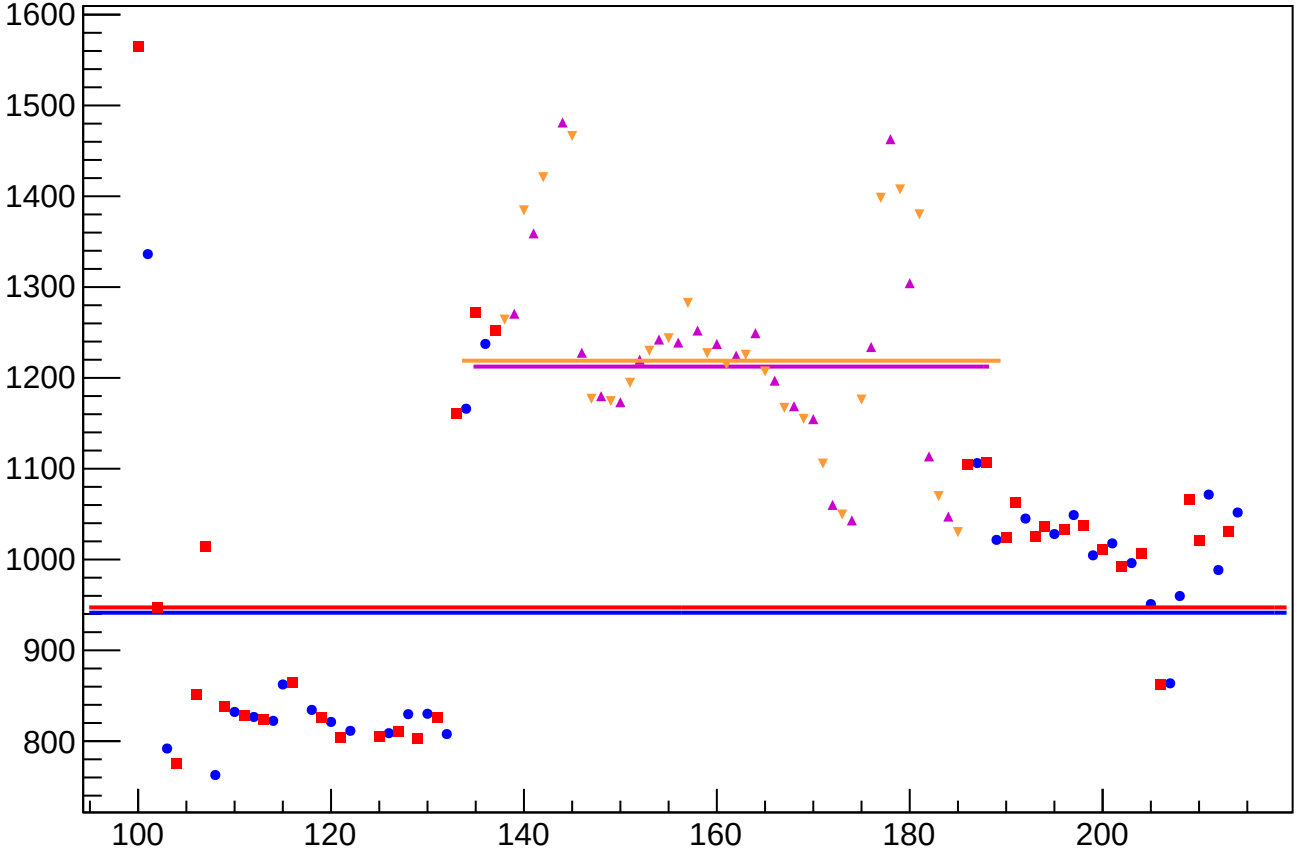
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 235.741+/-175.077 χ^2/NDF: 72.1/53

All: 265.748+/-123.609 χ^2/NDF: 116.4/109

- sign 295.572+/-174.543 χ^2/NDF: 44.2/55

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 941.435+/-0.157 χ^2/NDF: 650432.5/29

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

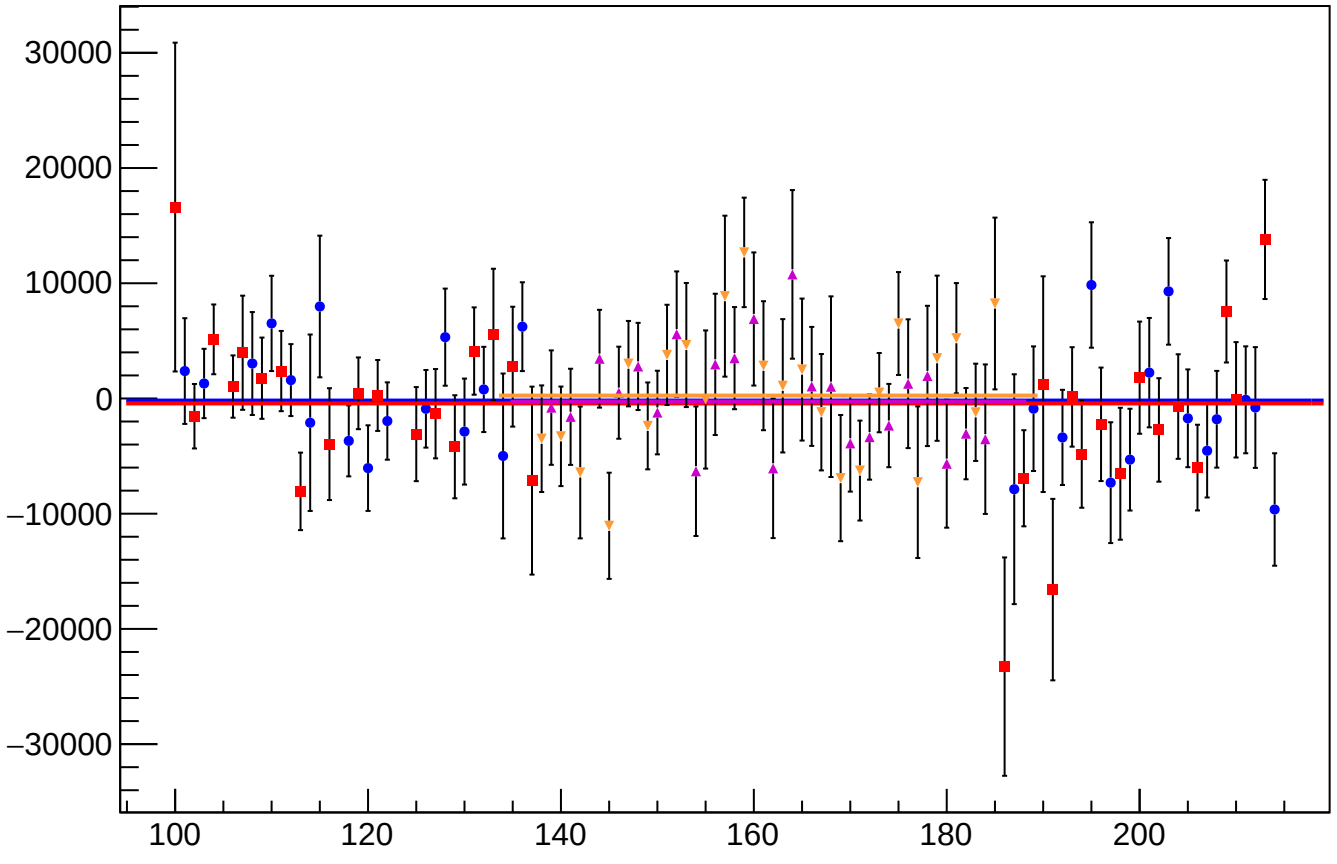
Right Out: 947.252+/-0.156 χ^2/NDF: 601270.3/32

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1046.604+/-0.124 χ^2/NDF: 2126839.4/53

All: 1046.851+/-0.087 χ^2/NDF: 4072871.7/10

- sign 1047.096+/-0.123 χ^2/NDF: 1946024.4/55



Right In: -181.331+/-779.918 χ^2/NDF: 32.7/29

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -431.182+/-733.314 χ^2/NDF: 45.9/32

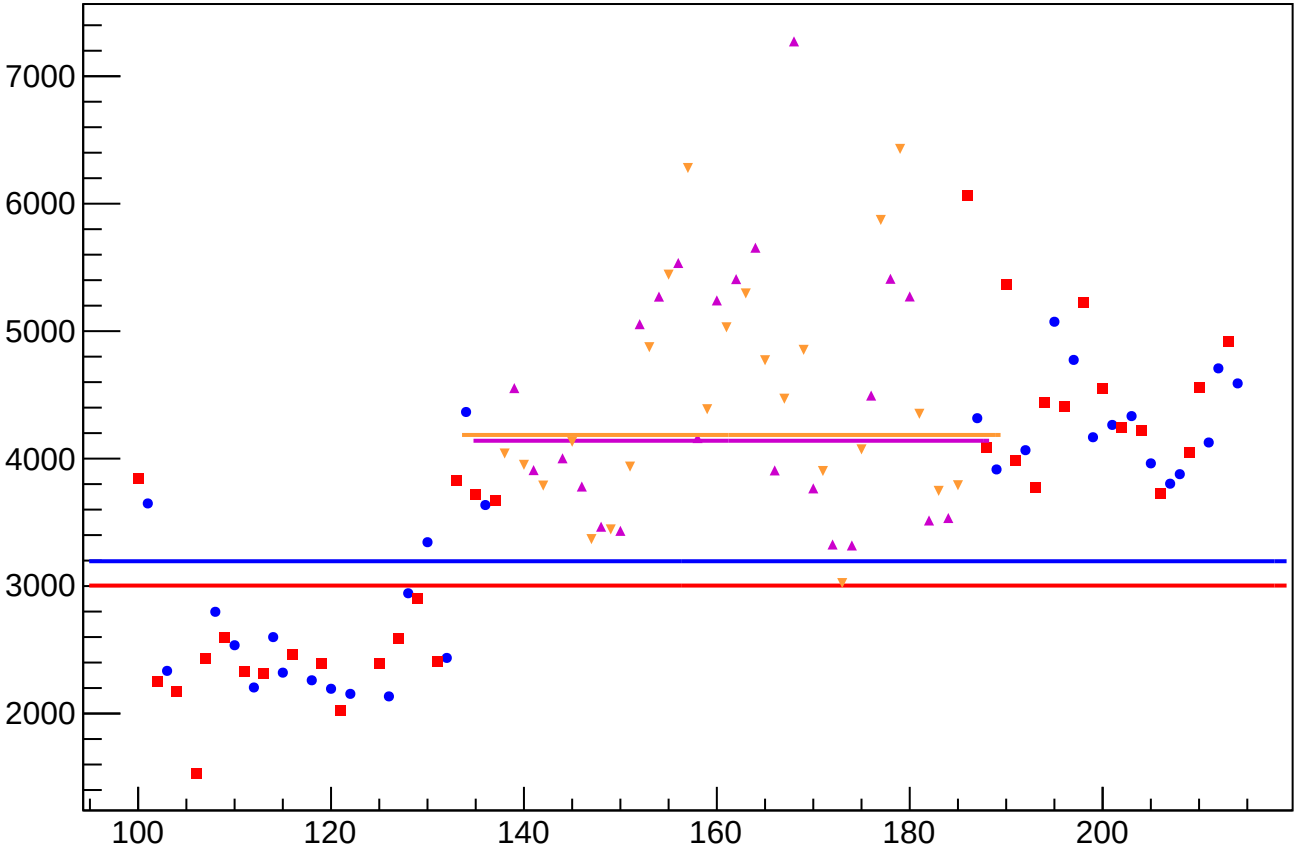
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign -16.141+/-613.859 χ^2/NDF: 62.5/53

All: -201.727+/-425.109 χ^2/NDF: 122.0/109

- sign -372.750+/-589.283 χ^2/NDF: 59.3/55

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3194.901+/-0.551 χ^2/NDF: 2859033.3/29

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3003.972+/-0.519 χ^2/NDF: 4000143.3/32

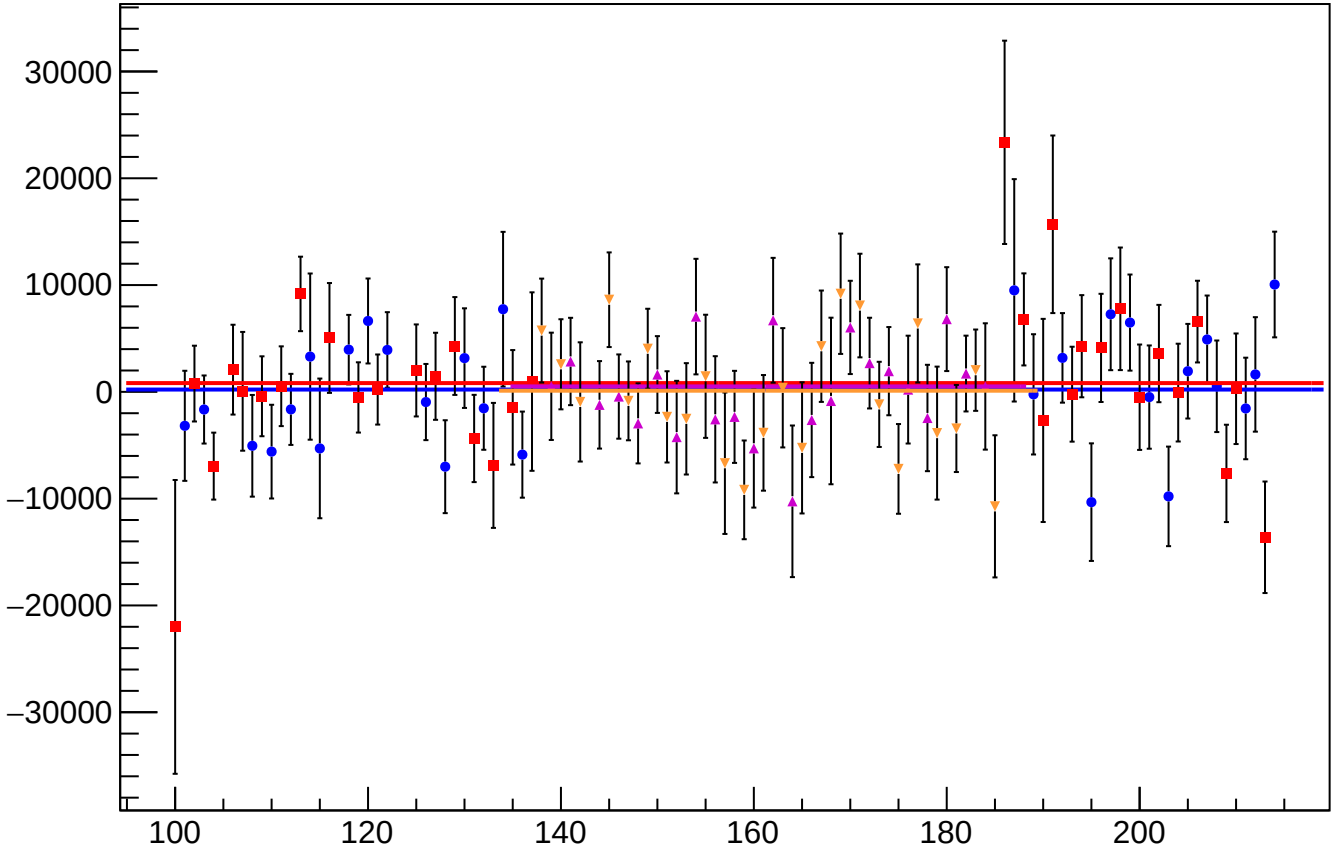
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3571.890+/-0.434 χ^2/NDF: 5358370.2/53

All: 3485.779+/-0.301 χ^2/NDF: 12584559.0/1

- sign 3406.425+/-0.417 χ^2/NDF: 7150565.5/55

asym_usl_atl2_dd_mean vs Slug



Right In: 215.591+/-812.843 χ^2/NDF: 35.8/29

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 820.883+/-789.320 χ^2/NDF: 47.1/32

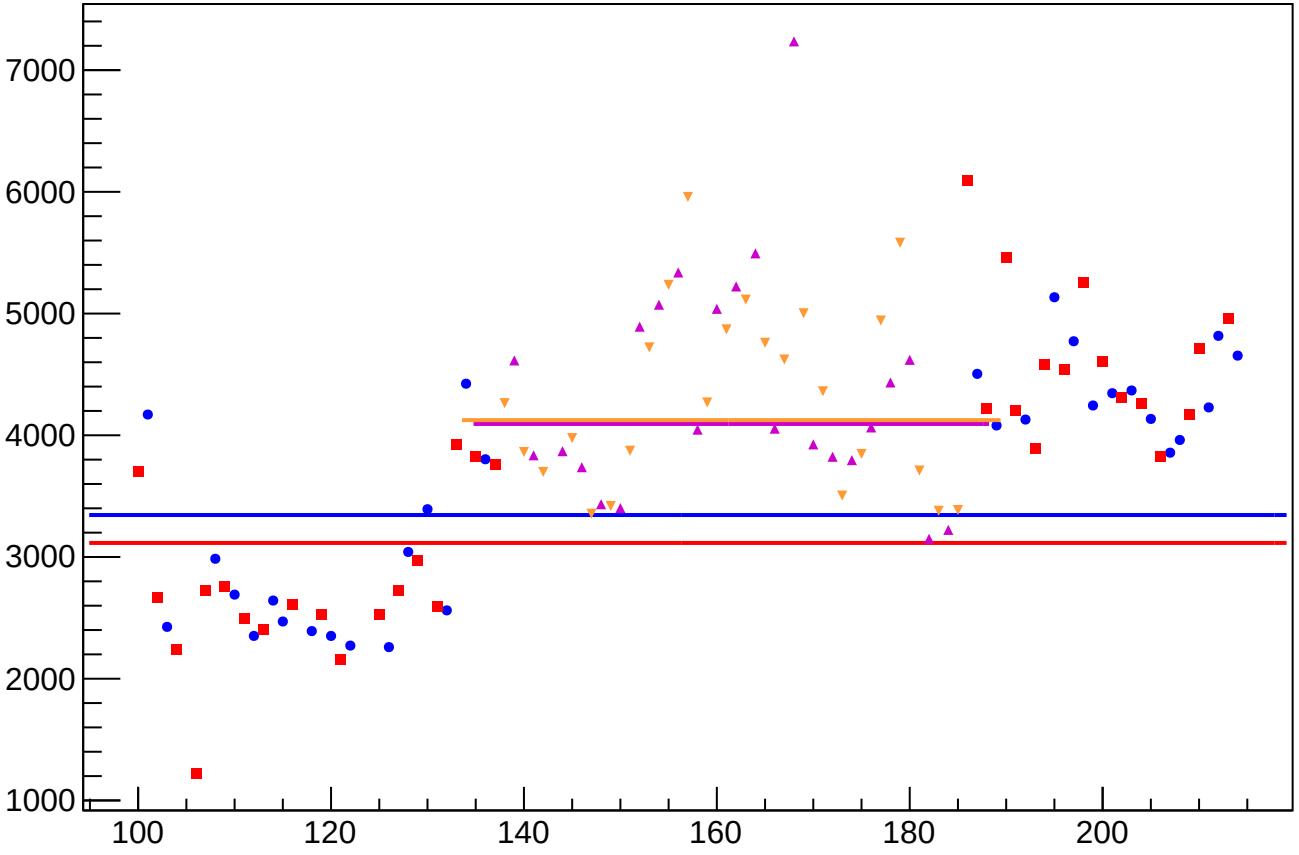
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign 171.902+/-624.492 χ^2/NDF: 63.8/53

All: 439.355+/-437.564 χ^2/NDF: 124.8/109

- sign 697.288+/-613.278 χ^2/NDF: 60.7/55

asym_usl_atl2_dd_rms vs Slug



Right In: 3344.957+/-0.575 χ^2/NDF: 2577062.9/29

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3115.523+/-0.541 χ^2/NDF: 4142458.7/32

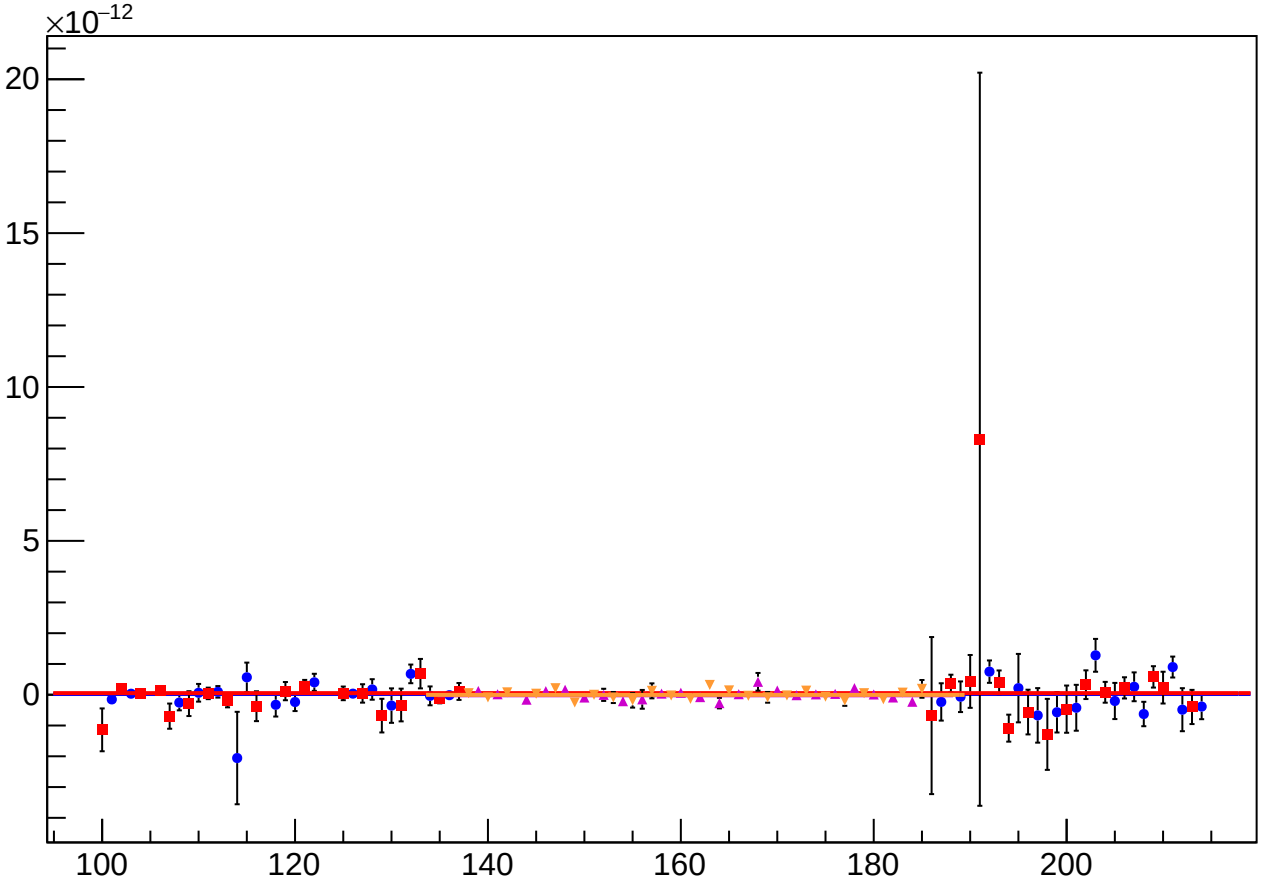
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3664.363+/-0.442 χ^2/NDF: 4300681.5/53

All: 3573.384+/-0.306 χ^2/NDF: 10932678.3/1

- sign 3488.837+/-0.426 χ^2/NDF: 6550101.2/55

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

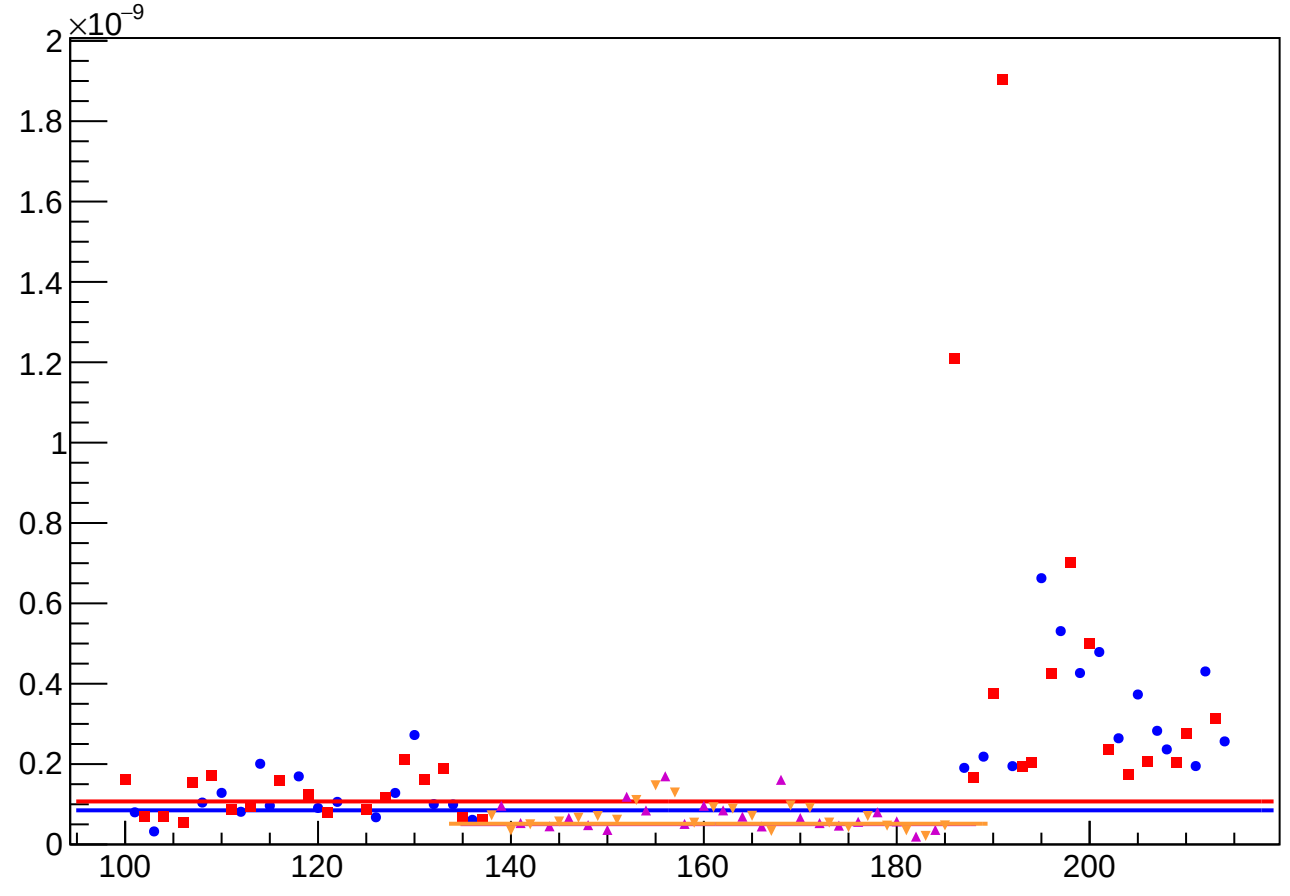
Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/32

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.8/53

All: -0.000+/-0.000 χ^2/NDF: 123.1/109

- sign -0.000+/-0.000 χ^2/NDF: 60.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 6564045.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4472546.1/32

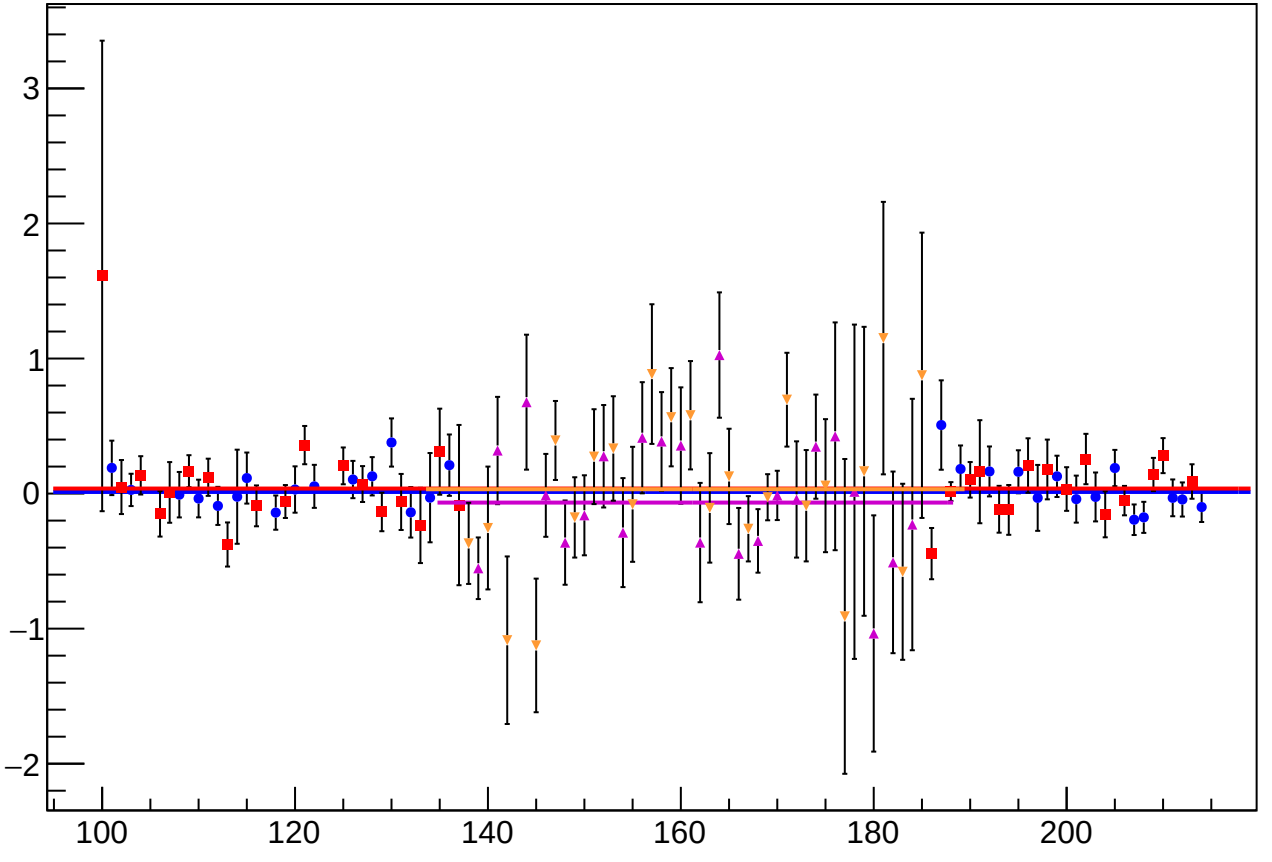
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9821175.3/53

All: 0.000+/-0.000 χ^2/NDF: 18953533.9/109

- sign 0.000+/-0.000 χ^2/NDF: 9129097.7/55

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.028 χ^2/NDF: 24.6/29

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.037+/-0.026 χ^2/NDF: 39.3/32

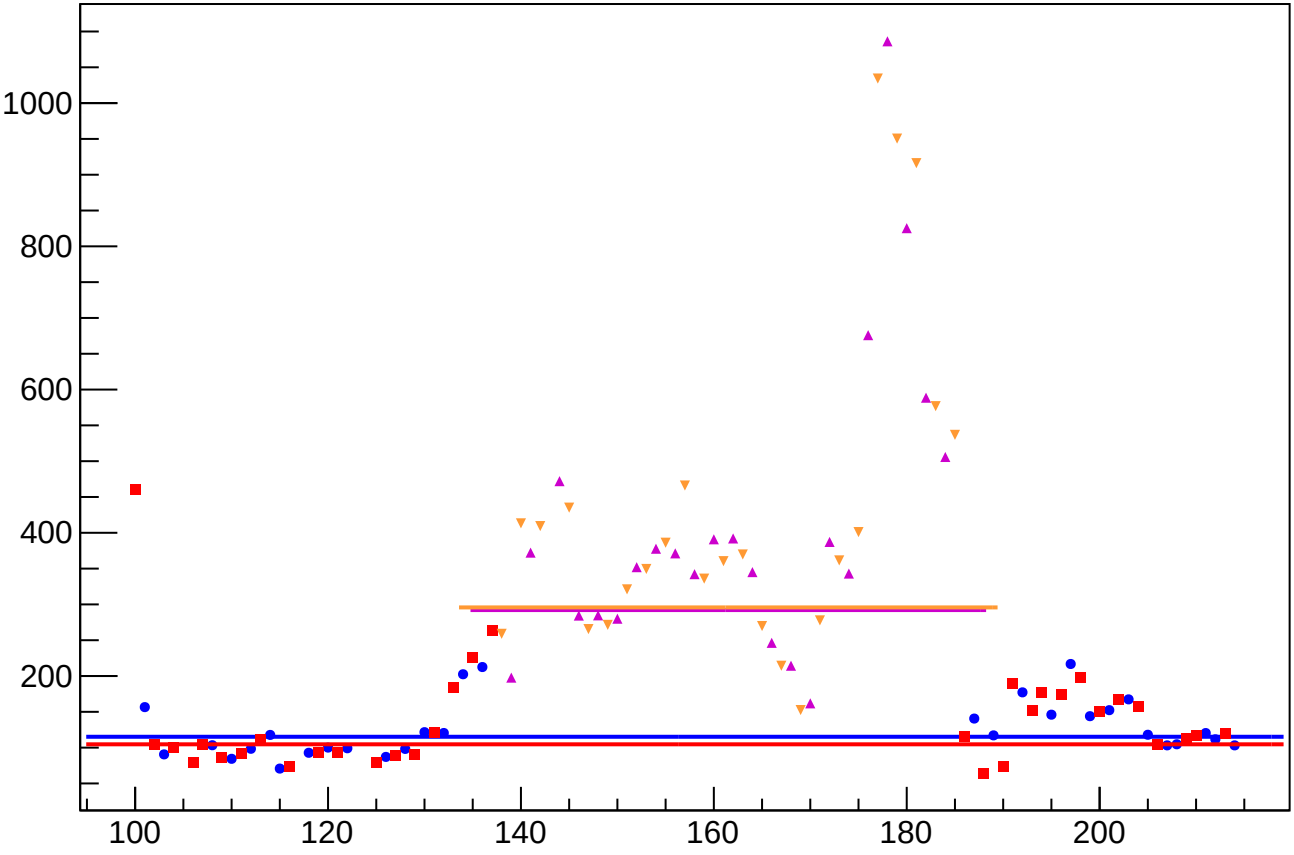
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.014+/-0.027 χ^2/NDF: 54.4/53

All: 0.021+/-0.018 χ^2/NDF: 121.2/109

- sign 0.026+/-0.025 χ^2/NDF: 66.7/55

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 115.177+/-0.020 χ^2/NDF: 2190475.9/29

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

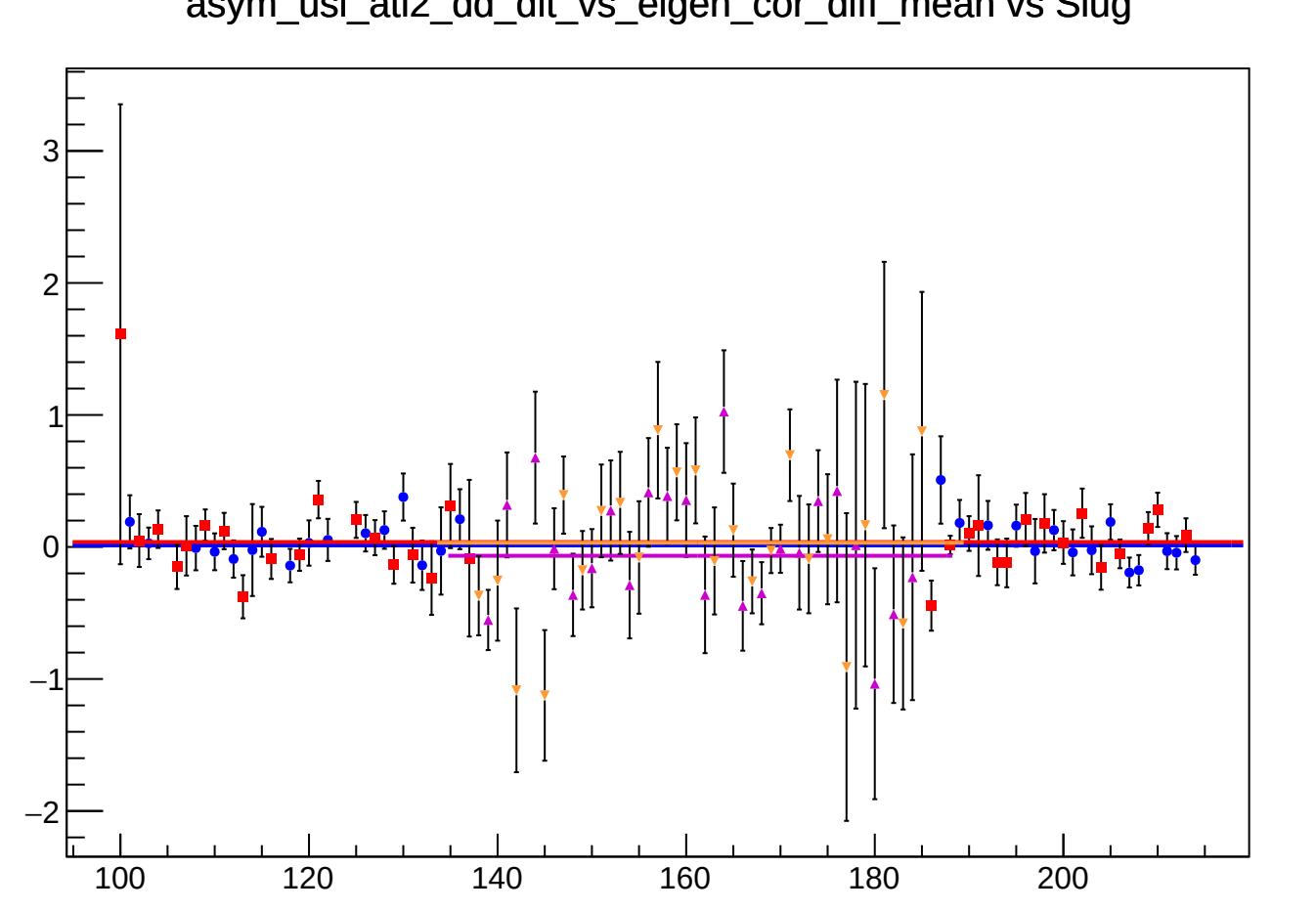
Right Out: 104.640+/-0.019 χ^2/NDF: 3628791.2/32

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 137.381+/-0.019 χ^2/NDF: 17598011.9/53

All: 130.958+/-0.013 χ^2/NDF: 37695822.7/10

- sign 125.373+/-0.018 χ^2/NDF: 19880607.2/55



Right In: 0.012+/-0.028 χ^2/NDF: 24.6/29

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

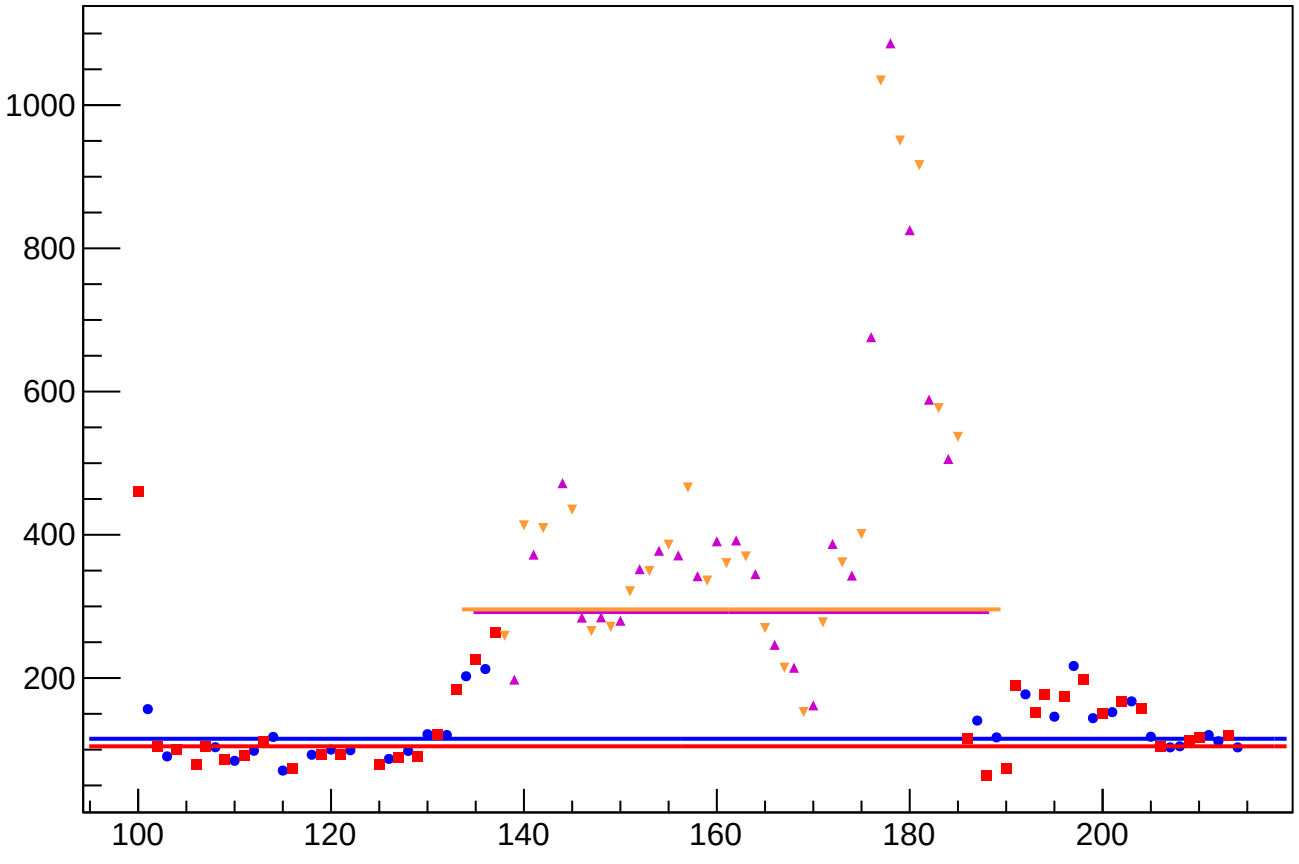
Right Out: 0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.014+/-0.027 χ^2/NDF: 54.4/53

All: 0.021+/-0.018 χ^2/NDF: 121.2/109

- sign 0.026+/-0.025 χ^2/NDF: 66.7/55



Right In: 115.177+/-0.020 χ^2/NDF: 2190475.9/29

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

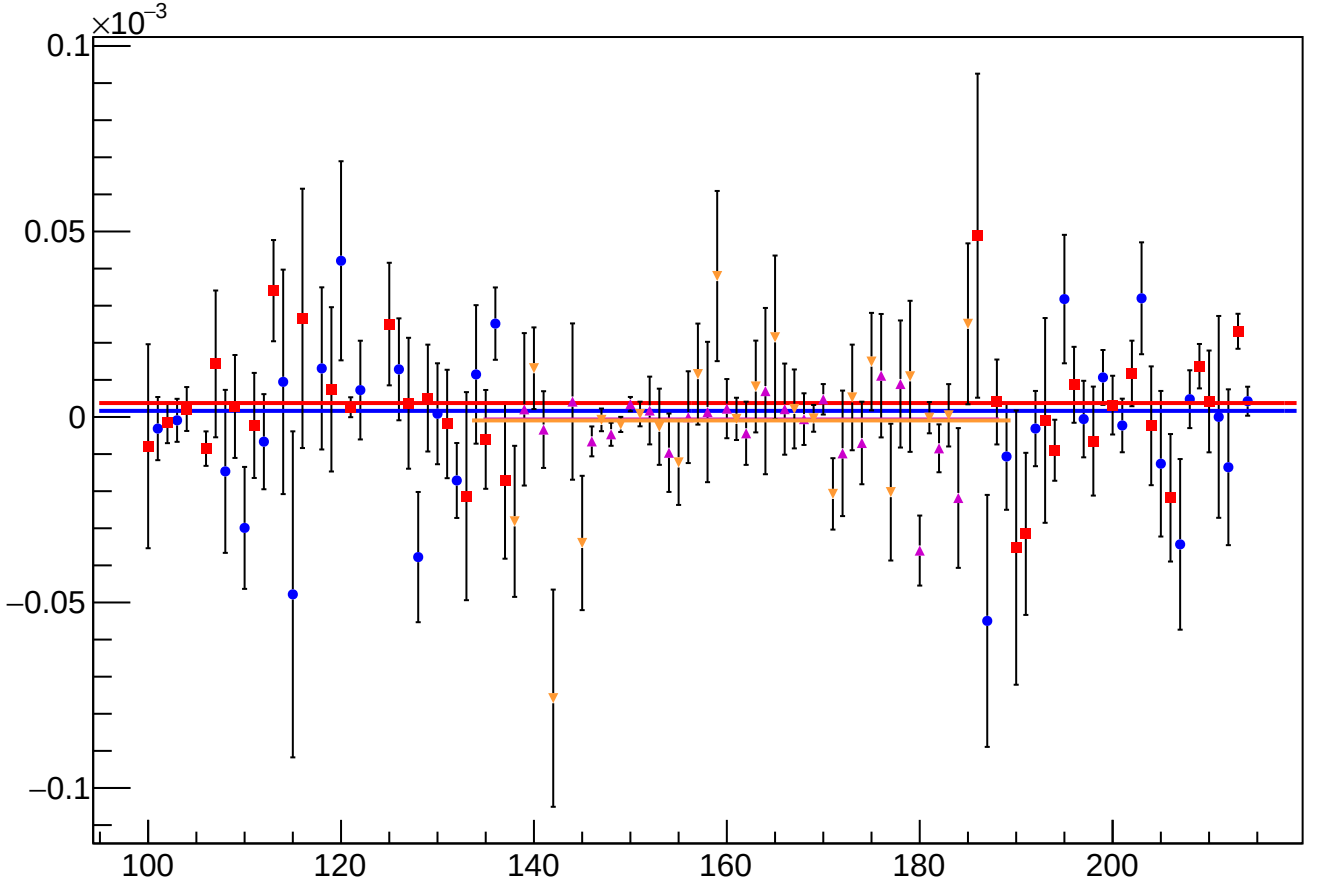
Right Out: 104.640+/-0.019 χ^2/NDF: 3628791.2/32

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 137.381+/-0.019 χ^2/NDF: 17598011.9/53

All: 130.958+/-0.013 χ^2/NDF: 37695822.7/10

- sign 125.373+/-0.018 χ^2/NDF: 19880607.2/55



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

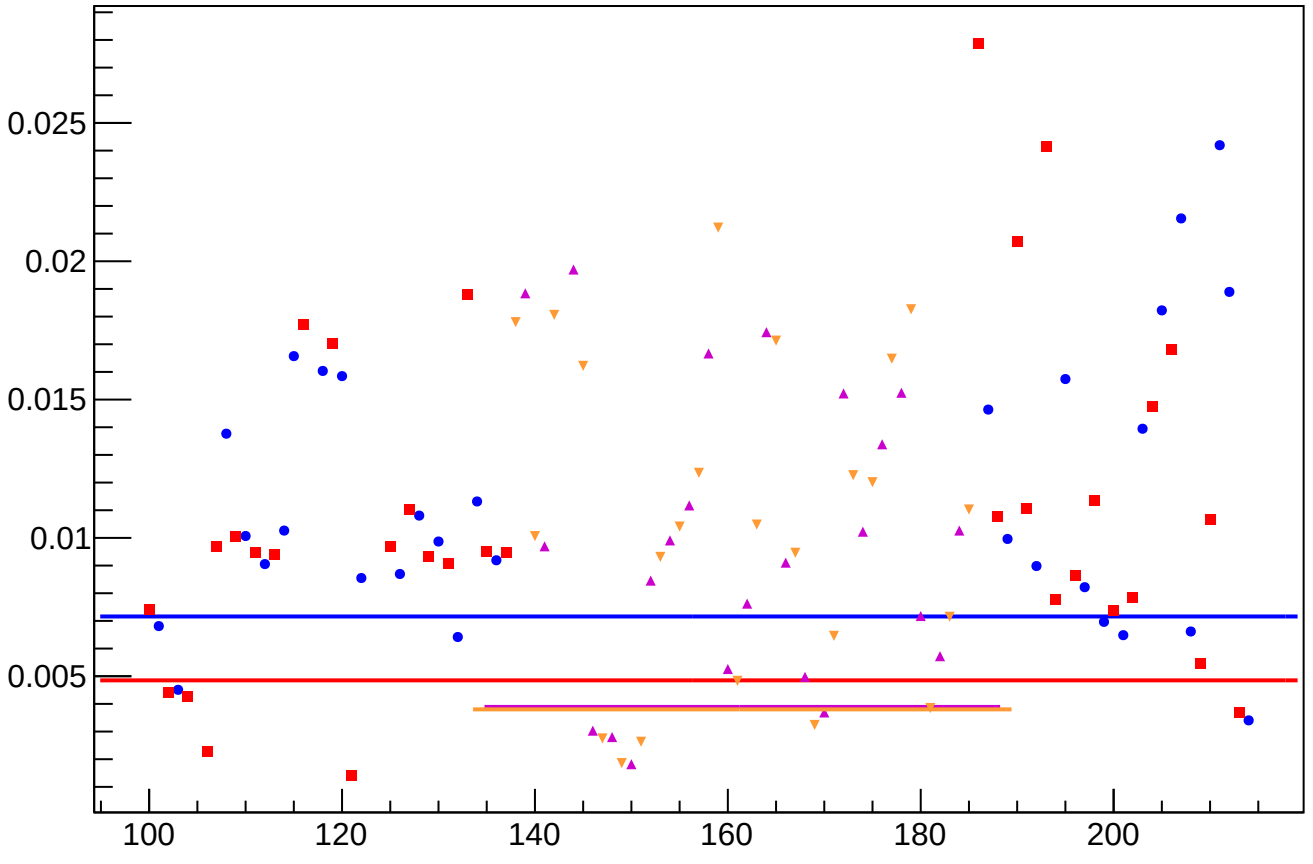
Right Out: 0.000+/-0.000 χ^2/NDF: 49.1/32

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.6/53

All: 0.000+/-0.000 χ^2/NDF: 156.6/109

- sign 0.000+/-0.000 χ^2/NDF: 84.1/55



Right In: 0.007+/-0.000 χ^2/NDF: 7629721.6/29

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 13482453.5/32

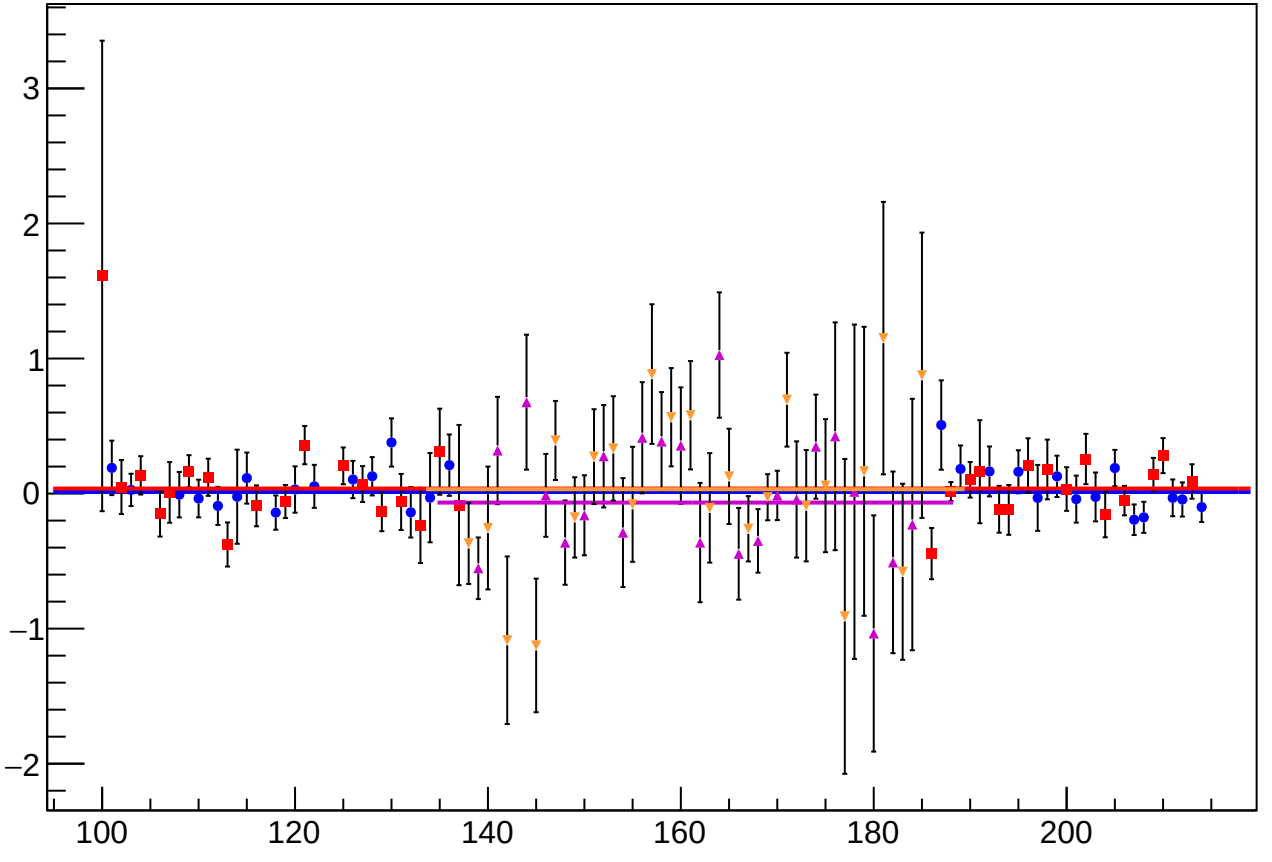
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 26574936.2/53

All: 0.004+/-0.000 χ^2/NDF: 54268649.1/109

- sign 0.004+/-0.000 χ^2/NDF: 27497993.4/55

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.028 χ^2/NDF: 24.6/29

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

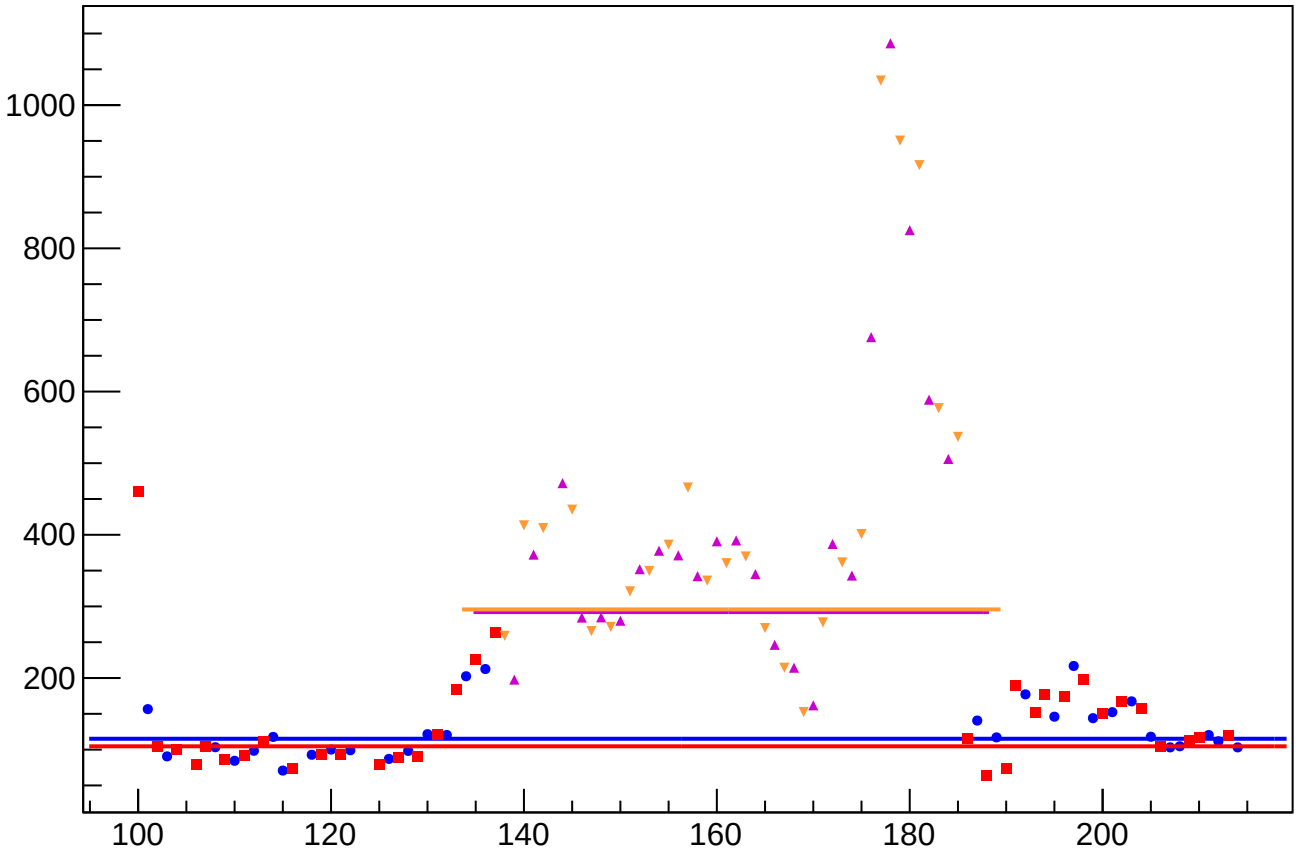
Right Out: 0.037+/-0.026 χ^2/NDF: 39.3/32

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.014+/-0.027 χ^2/NDF: 54.4/53

All: 0.021+/-0.018 χ^2/NDF: 121.2/109

- sign 0.026+/-0.025 χ^2/NDF: 66.7/55



Right In: 115.177+/-0.020 χ^2/NDF: 2190442.1/29

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

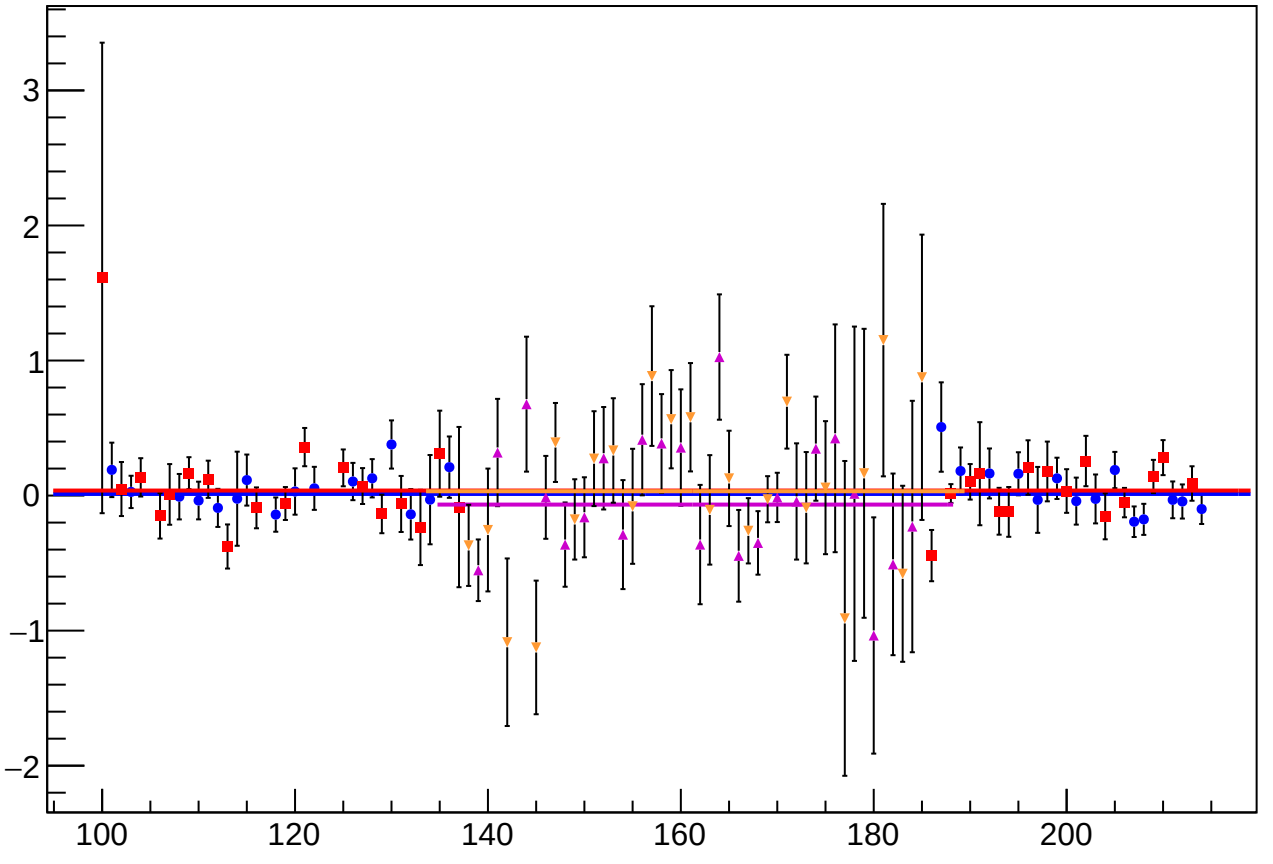
Right Out: 104.638+/-0.019 χ^2/NDF: 3628971.4/32

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 137.381+/-0.019 χ^2/NDF: 17598058.0/53

All: 130.957+/-0.013 χ^2/NDF: 37696438.7/10

- sign 125.371+/-0.018 χ^2/NDF: 19881104.3/55



Right In: 0.012+/-0.028 χ^2/NDF: 24.6/29

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

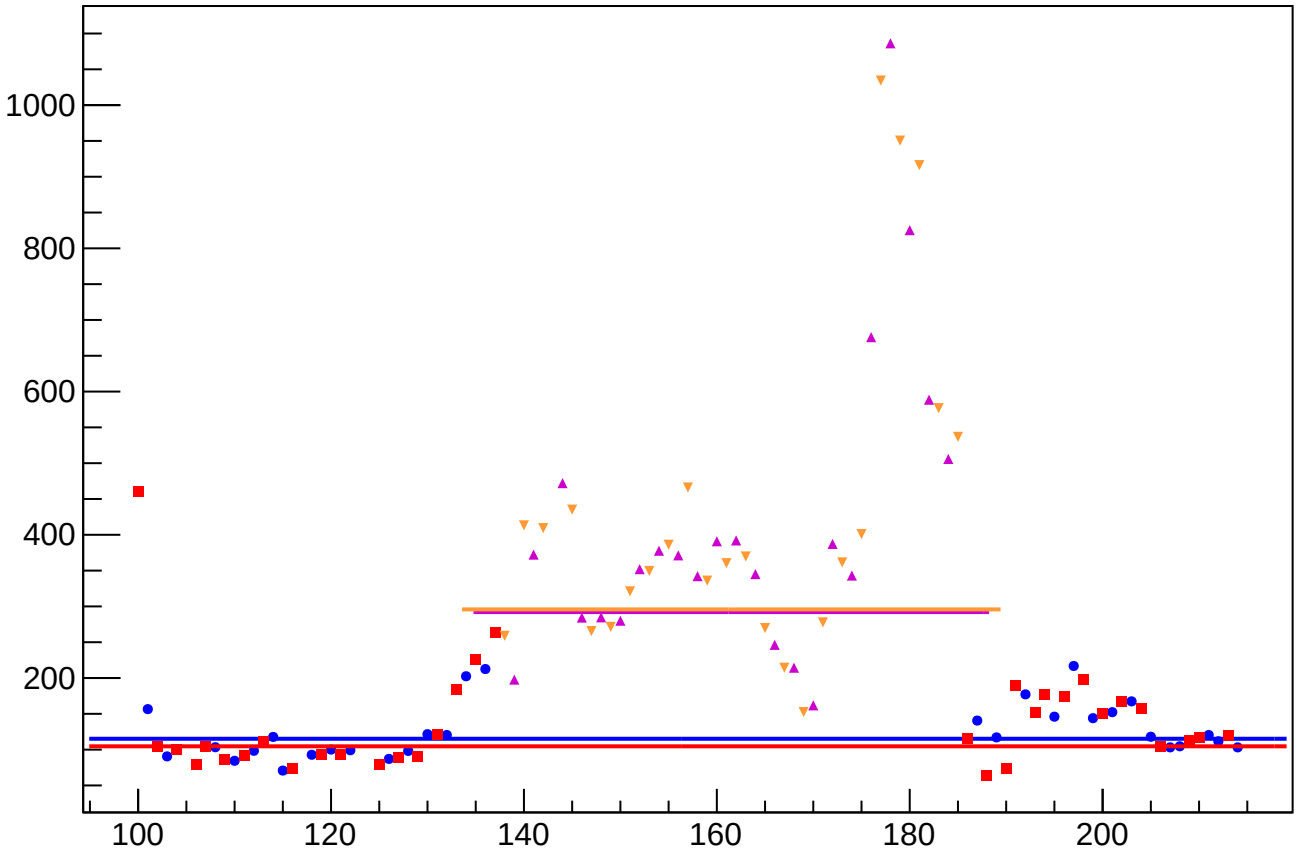
Right Out: 0.037+/-0.026 χ^2/NDF: 39.3/32

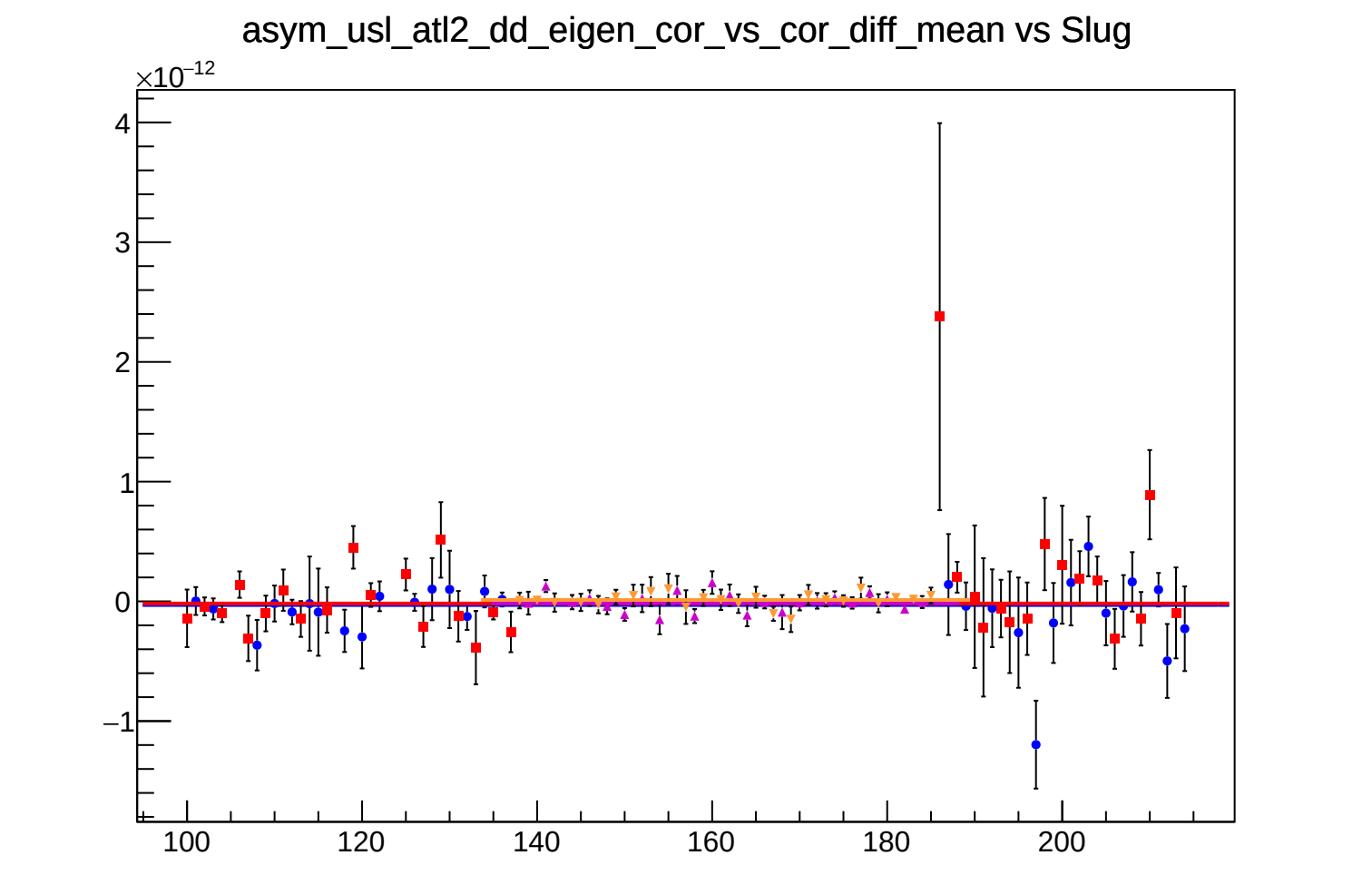
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.014+/-0.027 χ^2/NDF: 54.4/53

All: 0.021+/-0.018 χ^2/NDF: 121.2/109

- sign 0.026+/-0.025 χ^2/NDF: 66.7/55


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
800
600
400
200
100
120
140
160
180
200
Right In: 115.177+/-0.020 χ²/NDF: 2190442.1/29
Left Out: 295.800+/-0.054 χ²/NDF:5501139.3/23
Right Out: 104.638+/-0.019 χ²/NDF: 3628971.4/32
Left In: 292.103+/-0.053 χ²/NDF:5055695.7/22
+ sign 137.381+/-0.019 χ²/NDF: 17598058.0/53
All: 130.957+/-0.013 χ²/NDF: 37696438.7/10
- sign 125.371+/-0.018 χ²/NDF: 19881104.3/55



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

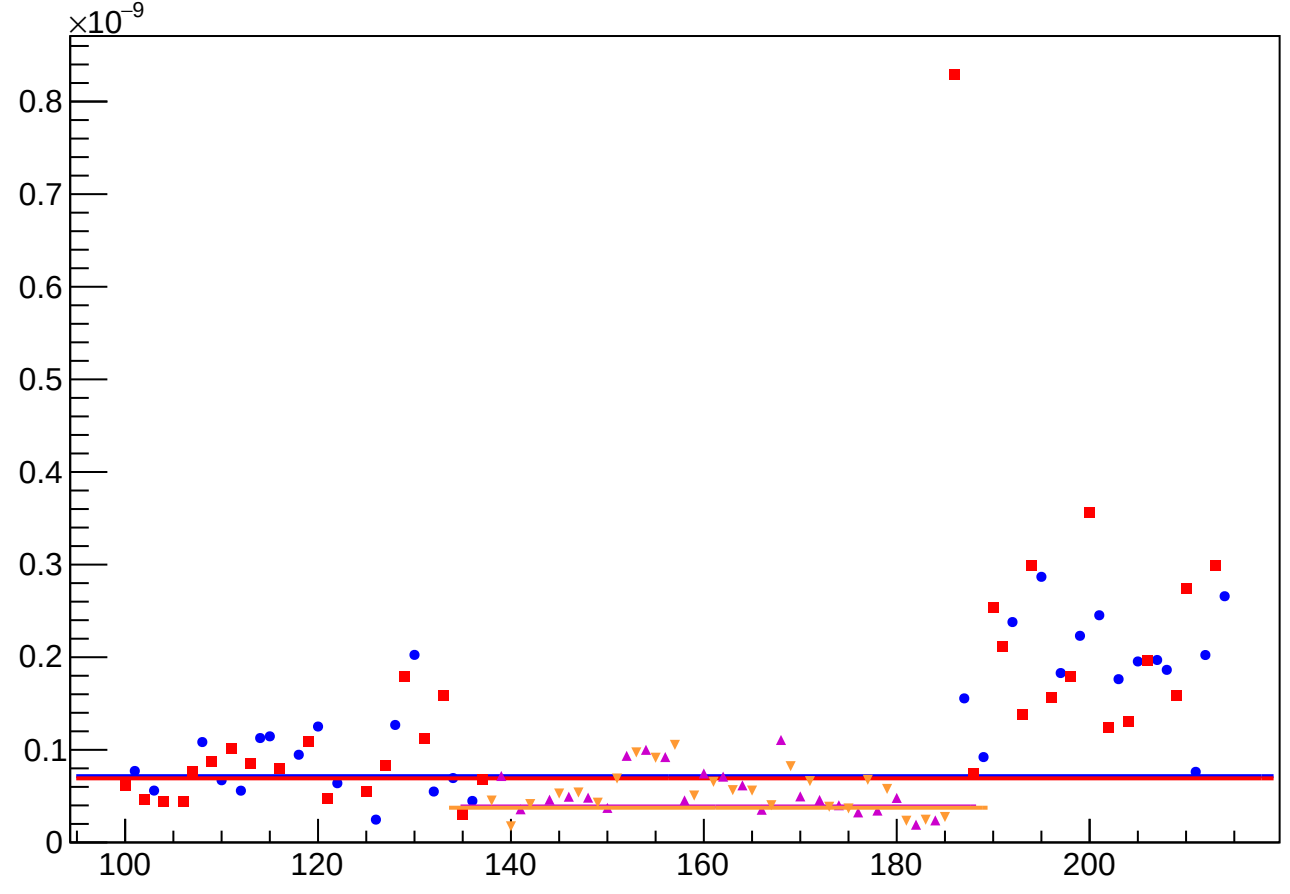
Right Out: -0.000+/-0.000 χ^2/NDF: 44.7/32

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.2/53

All: -0.000+/-0.000 χ^2/NDF: 117.5/109

- sign -0.000+/-0.000 χ^2/NDF: 75.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 6891358.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7222358.1/32

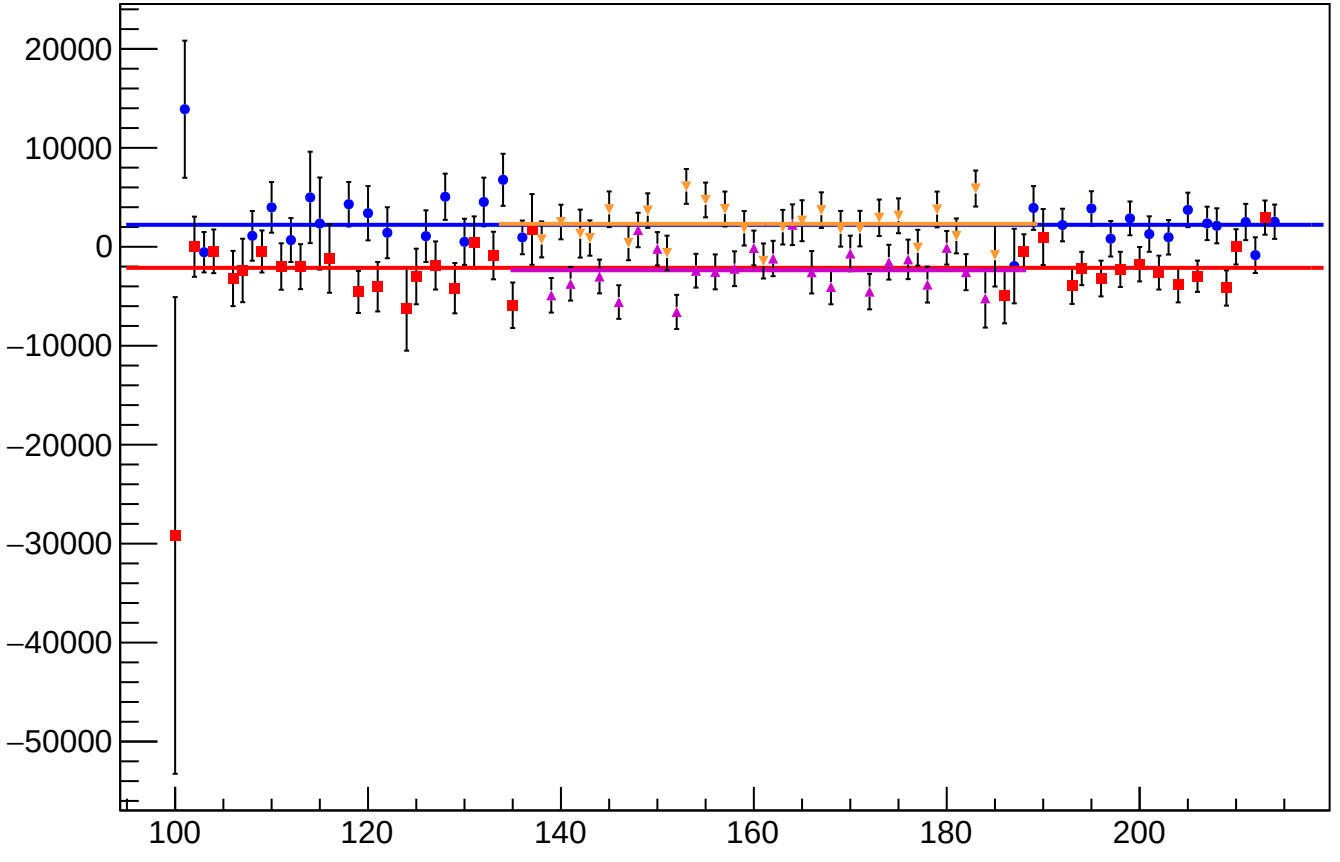
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14494701.7/53

All: 0.000+/-0.000 χ^2/NDF: 28468052.1/109

- sign 0.000+/-0.000 χ^2/NDF: 13963883.7/55

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2222.888+/-385.878 χ^2/NDF: 21.9/29

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2126.102+/-380.501 χ^2/NDF: 29.1/32

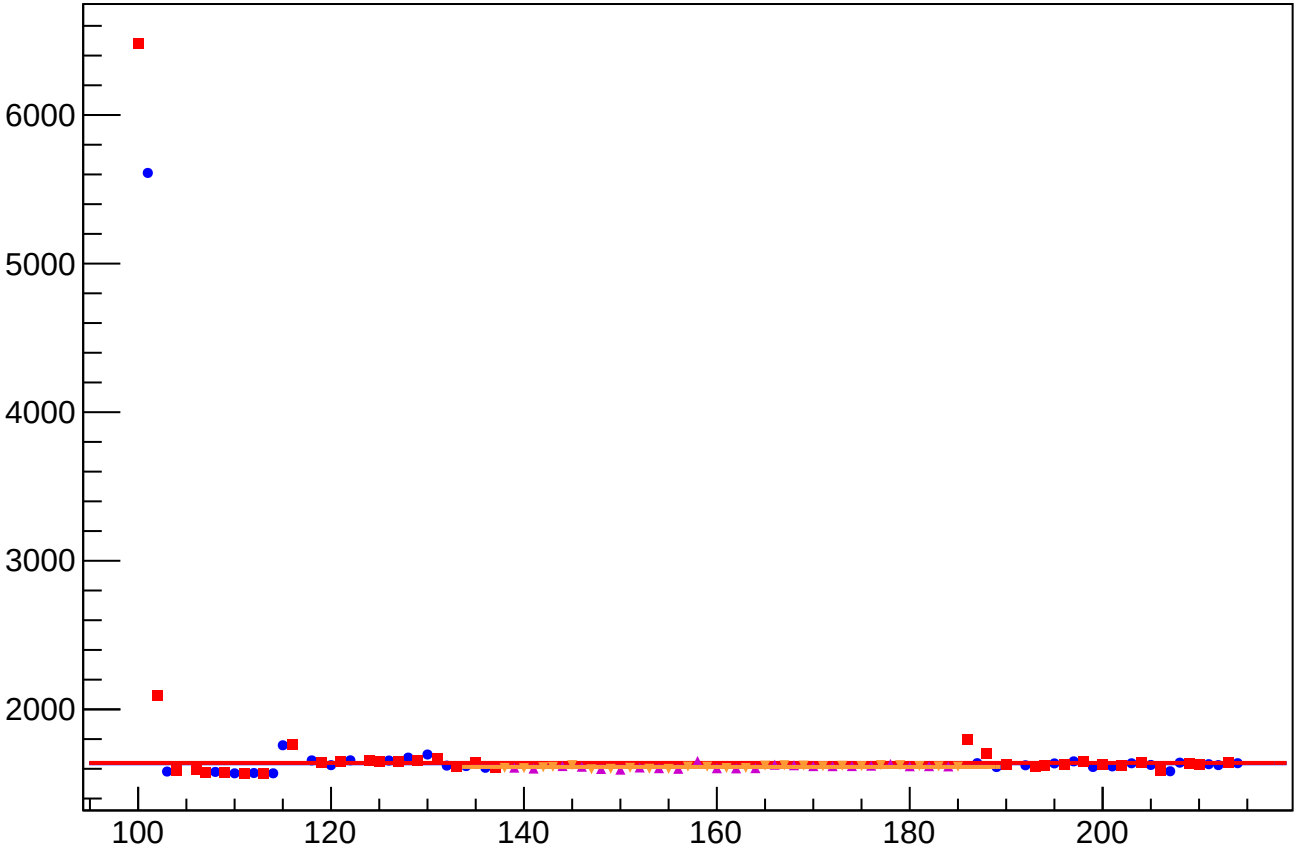
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2274.531+/-265.665 χ^2/NDF: 49.5/54

All: 30.046+/-188.582 χ^2/NDF: 256.4/110

- sign -2249.561+/-267.736 χ^2/NDF: 63.1/55

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.389+/-0.273 χ^2/NDF: 671550.6/29

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1639.612+/-0.269 χ^2/NDF: 148772.4/32

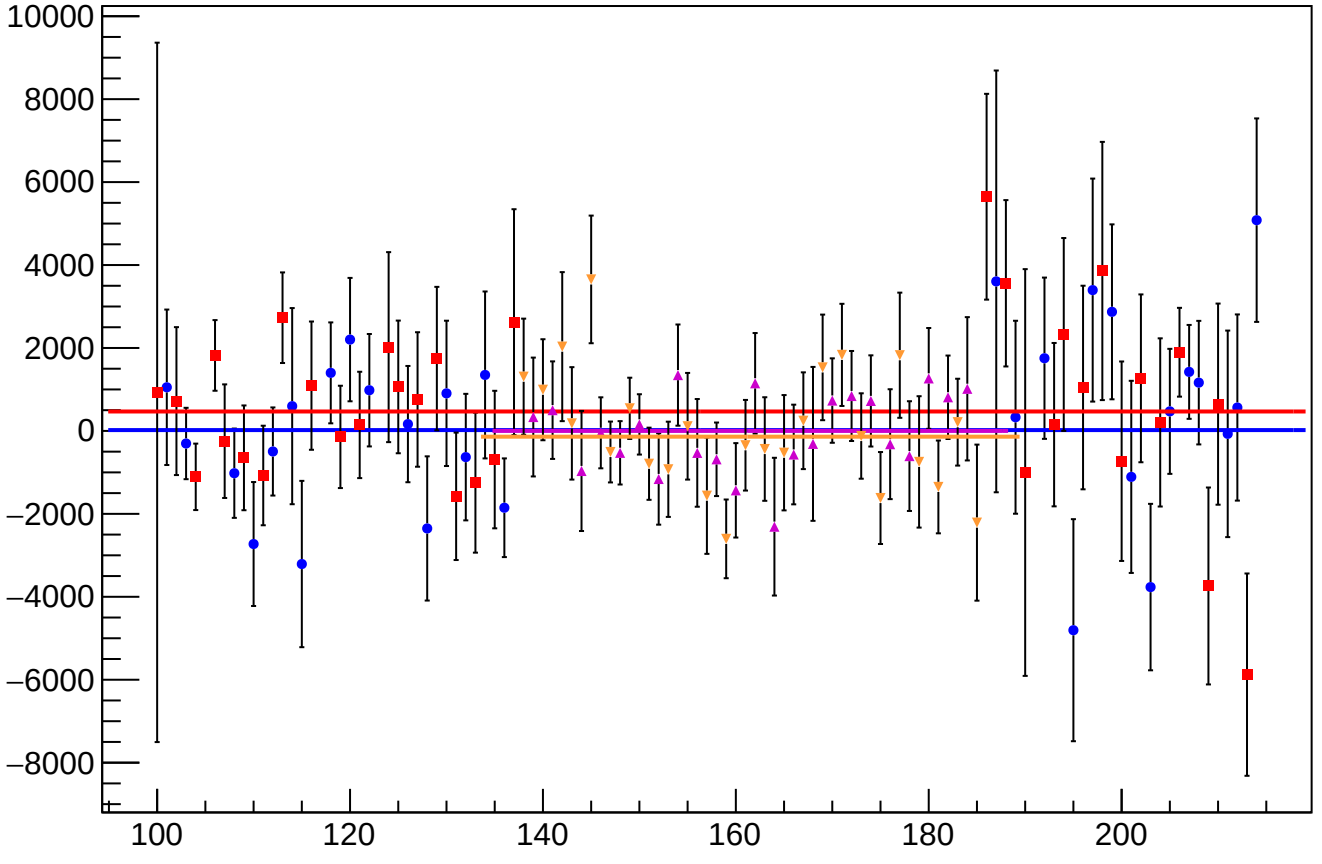
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.354+/-0.188 χ^2/NDF: 677062.2/54

All: 1625.456+/-0.133 χ^2/NDF: 832907.8/110

- sign 1626.576+/-0.189 χ^2/NDF: 155776.2/55

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 19.962+/-287.477 χ^2/NDF: 35.1/29

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 468.559+/-272.964 χ^2/NDF: 39.8/32

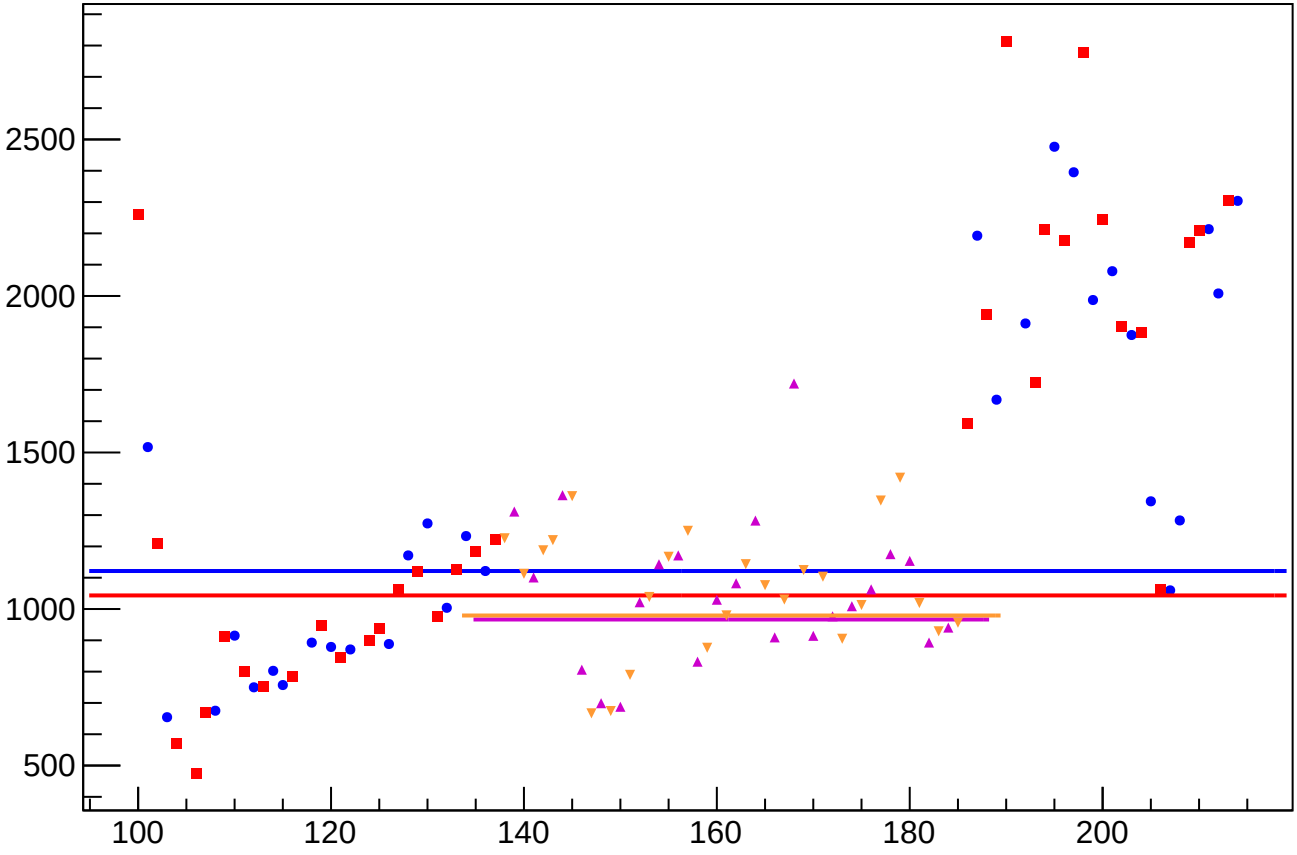
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

+ sign -77.261+/-179.177 χ^2/NDF: 65.4/54

All: 61.487+/-125.824 χ^2/NDF: 121.0/110

- sign 196.476+/-176.733 χ^2/NDF: 54.4/55

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1121.427+/-0.203 χ^2/NDF: 5376121.2/29

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1043.391+/-0.193 χ^2/NDF: 7411269.5/32

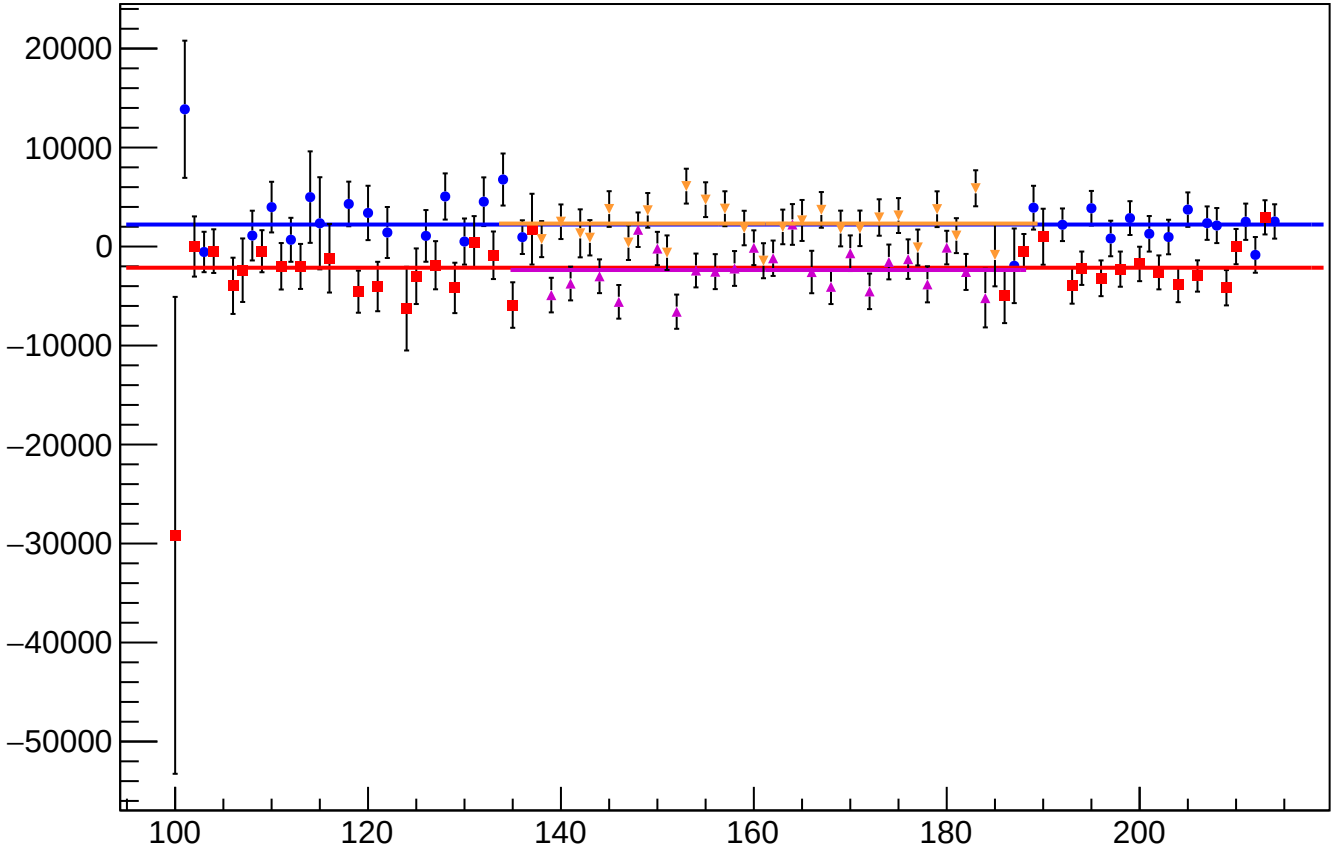
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1034.509+/-0.127 χ^2/NDF: 7305712.8/54

All: 1016.383+/-0.089 χ^2/NDF: 16452067.8/1

- sign 998.748+/-0.125 χ^2/NDF: 9105975.0/55

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2222.652+/-385.878 χ^2/NDF: 21.9/29

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2139.223+/-380.623 χ^2/NDF: 29.4/32

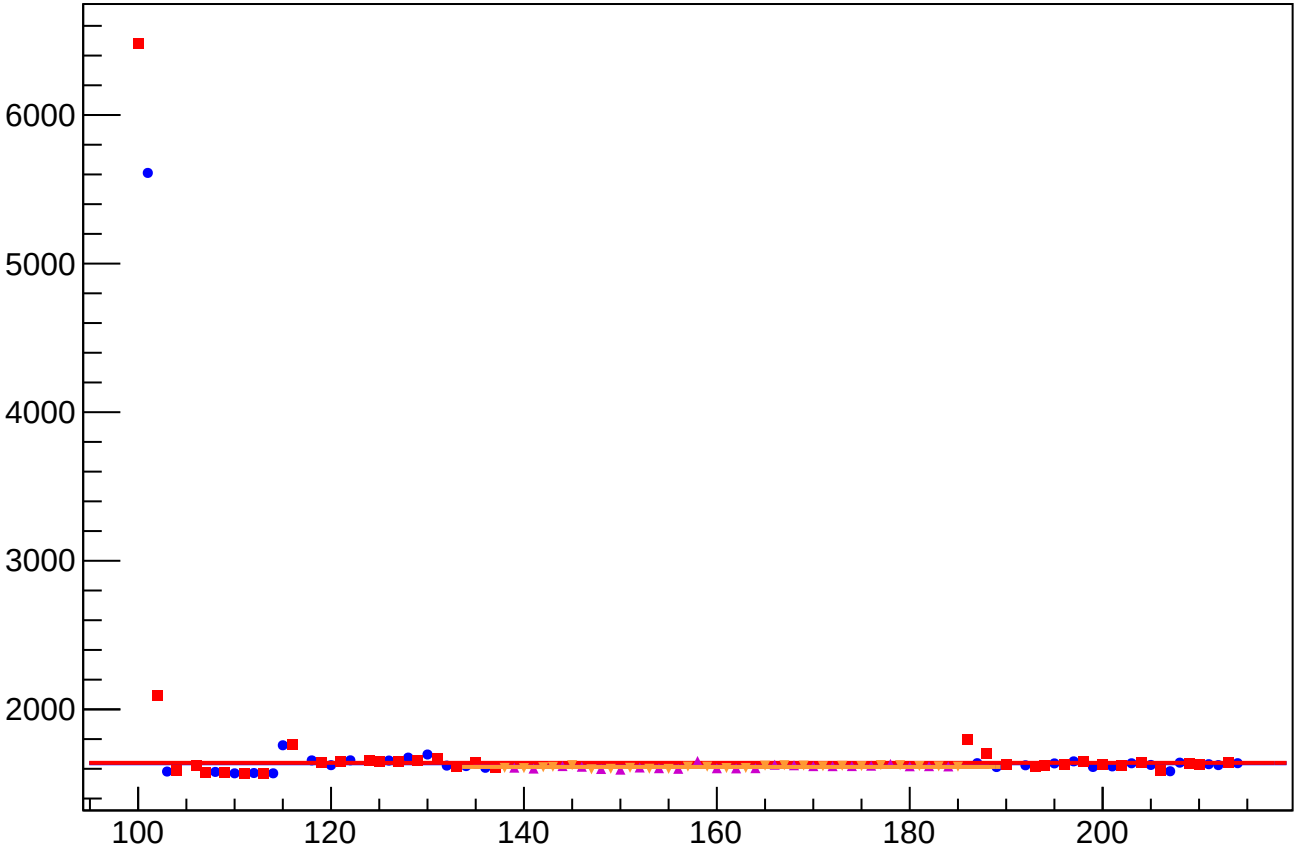
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2274.397+/-265.665 χ^2/NDF: 49.4/54

All: 27.078+/-188.596 χ^2/NDF: 257.0/110

- sign -2256.130+/-267.778 χ^2/NDF: 63.3/55

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.389+/-0.273 χ^2/NDF: 671550.1/29

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.117+/-0.269 χ^2/NDF: 148316.6/32

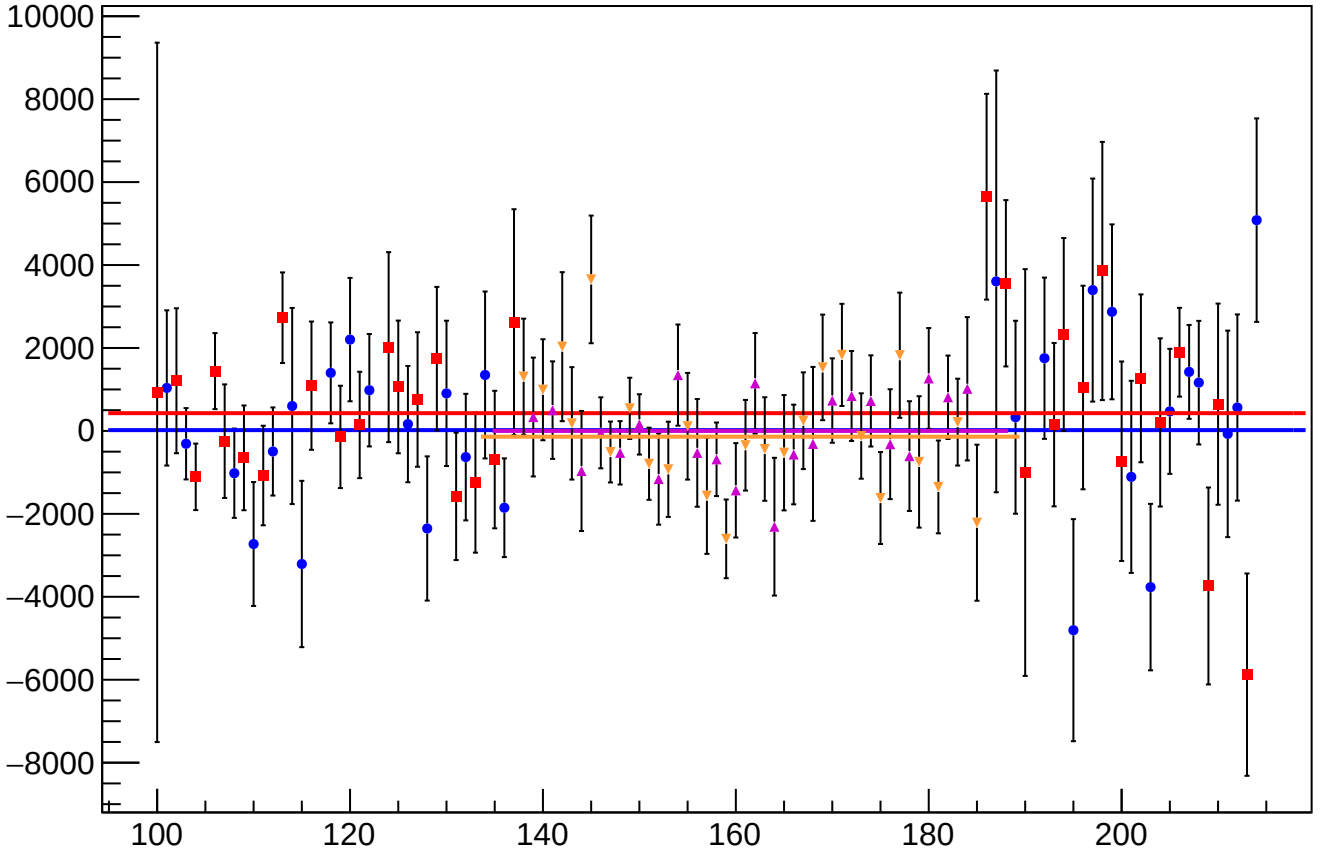
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.354+/-0.188 χ^2/NDF: 677061.8/54

All: 1625.578+/-0.133 χ^2/NDF: 832650.0/110

- sign 1626.822+/-0.189 χ^2/NDF: 155502.6/55

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 18.980+/-287.450 χ^2/NDF: 35.1/29

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 427.995+/-274.797 χ^2/NDF: 38.6/32

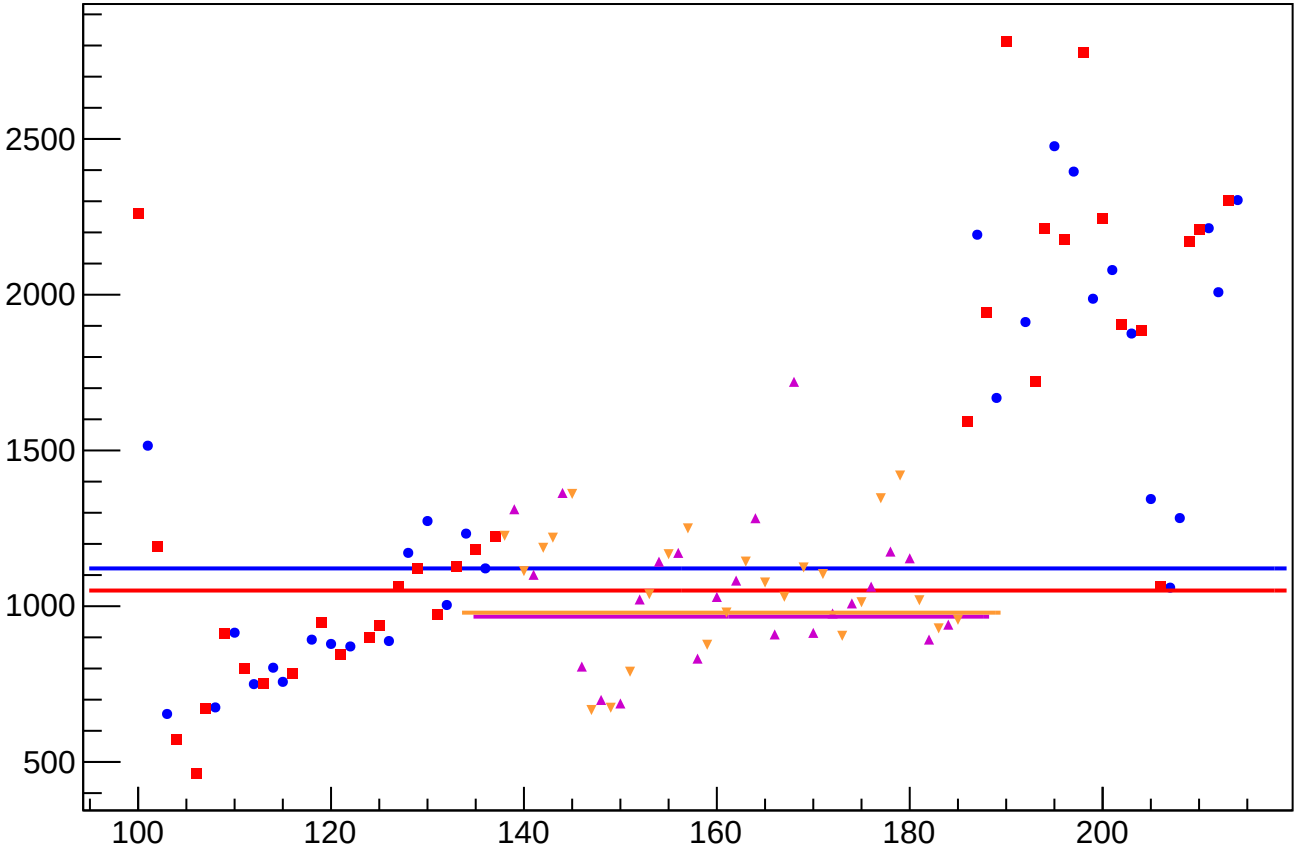
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -77.668+/-179.170 χ^2/NDF: 65.4/54

All: 51.592+/-126.000 χ^2/NDF: 119.3/110

- sign 178.065+/-177.228 χ^2/NDF: 52.8/55

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1121.314+/-0.203 χ^2/NDF: 5376924.5/29

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

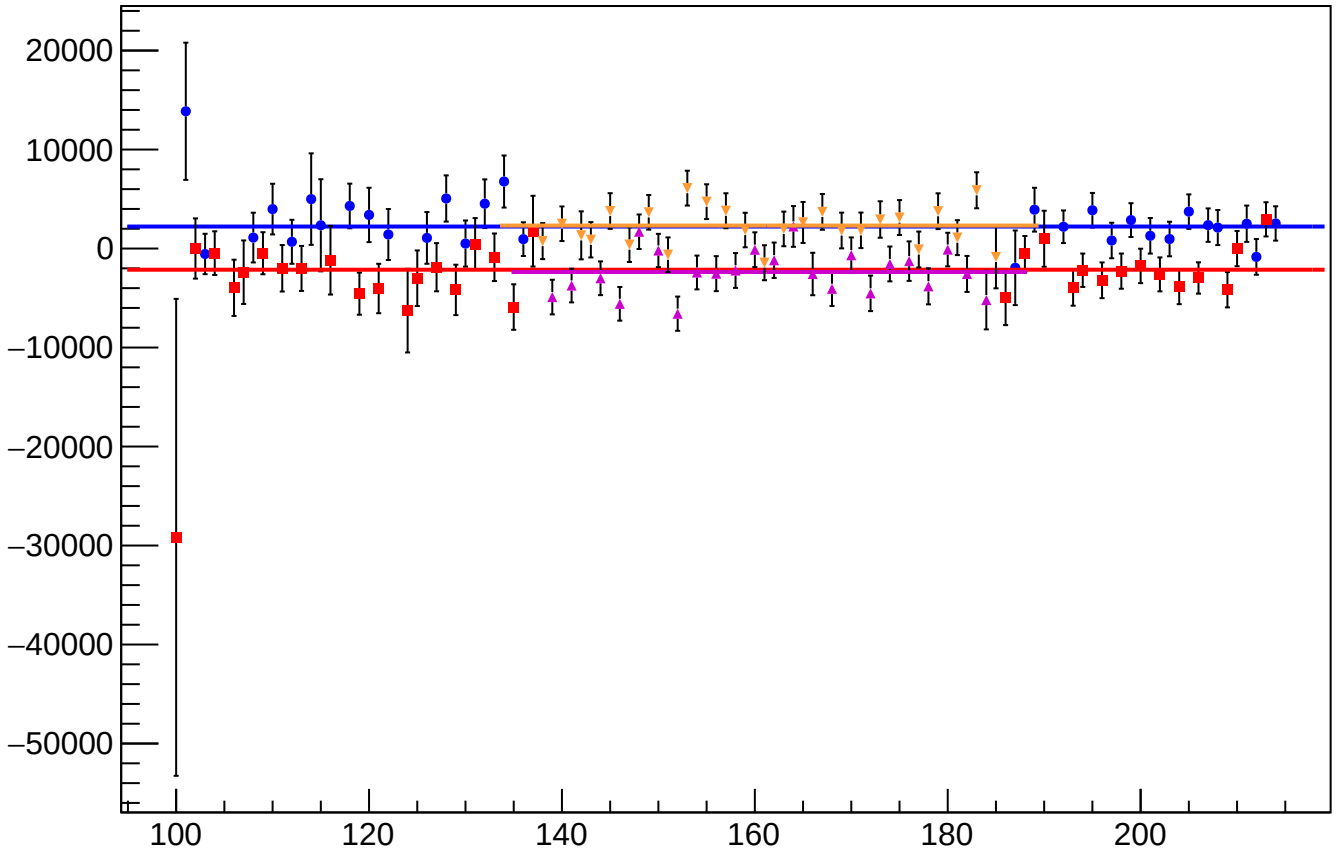
Right Out: 1050.338+/-0.194 χ^2/NDF: 7312954.2/32

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1034.467+/-0.127 χ^2/NDF: 7306209.4/54

All: 1017.749+/-0.089 χ^2/NDF: 16364822.6/1

- sign 1001.391+/-0.125 χ^2/NDF: 9024161.9/55



Right In: 2222.652+/-385.878 χ^2/NDF: 21.9/29

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2139.223+/-380.623 χ^2/NDF: 29.4/32

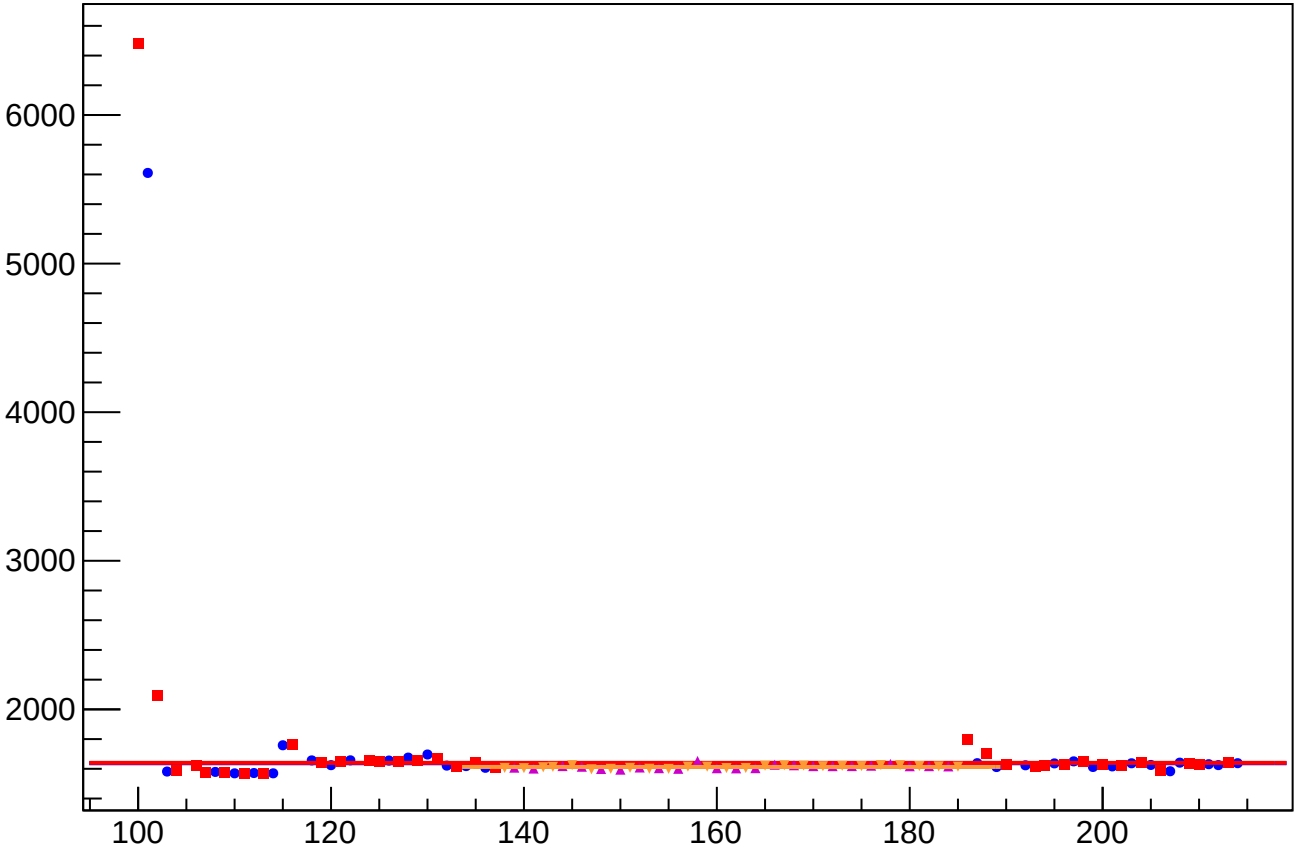
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2274.397+/-265.665 χ^2/NDF: 49.4/54

All: 27.078+/-188.596 χ^2/NDF: 257.0/110

- sign -2256.130+/-267.778 χ^2/NDF: 63.3/55

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1637.389+/-0.273 χ^2/NDF: 671550.1/29

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

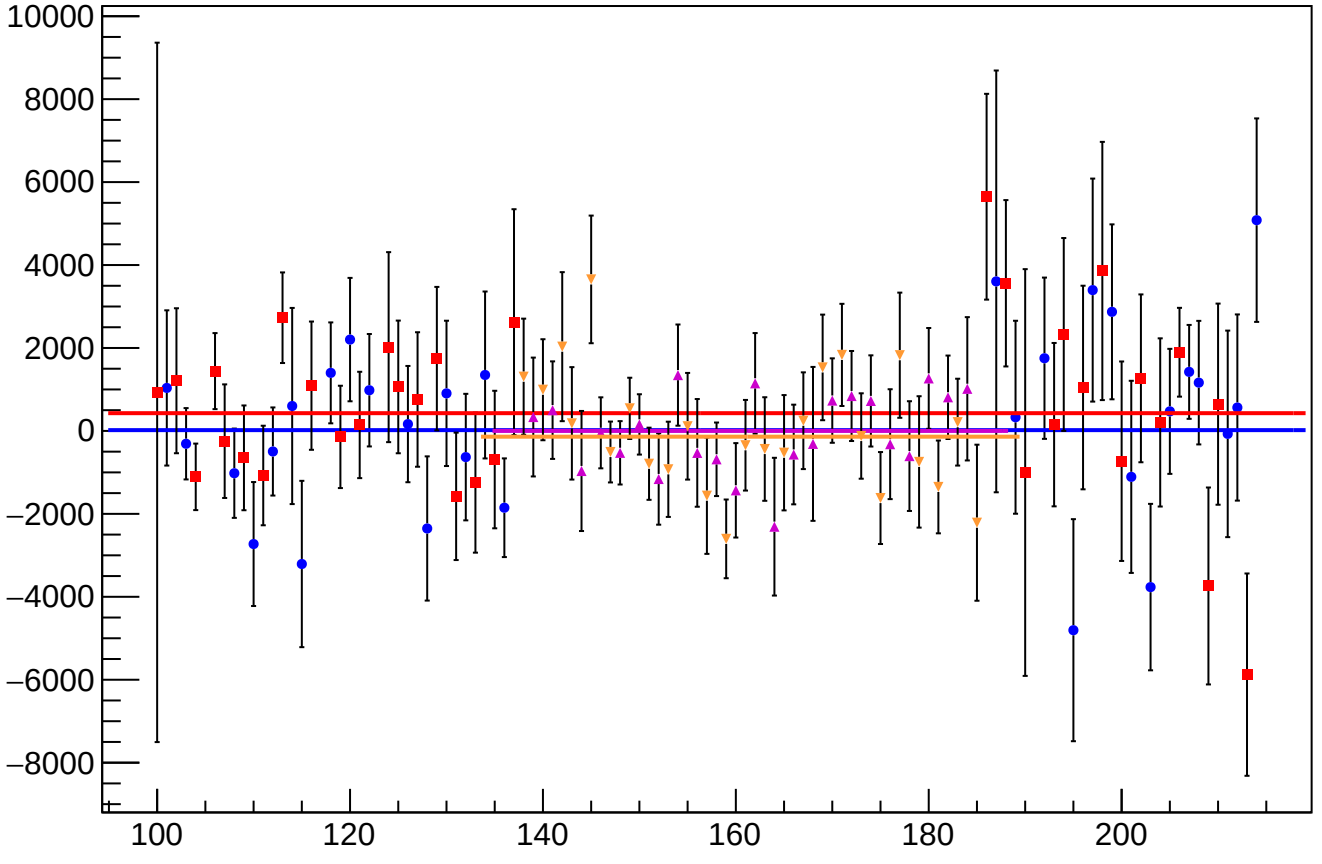
Right Out: 1640.117+/-0.269 χ^2/NDF: 148316.6/32

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.354+/-0.188 χ^2/NDF: 677061.8/54

All: 1625.578+/-0.133 χ^2/NDF: 832650.0/110

- sign 1626.822+/-0.189 χ^2/NDF: 155502.6/55



Right In: 18.980+/-287.450 χ^2/NDF: 35.1/29

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

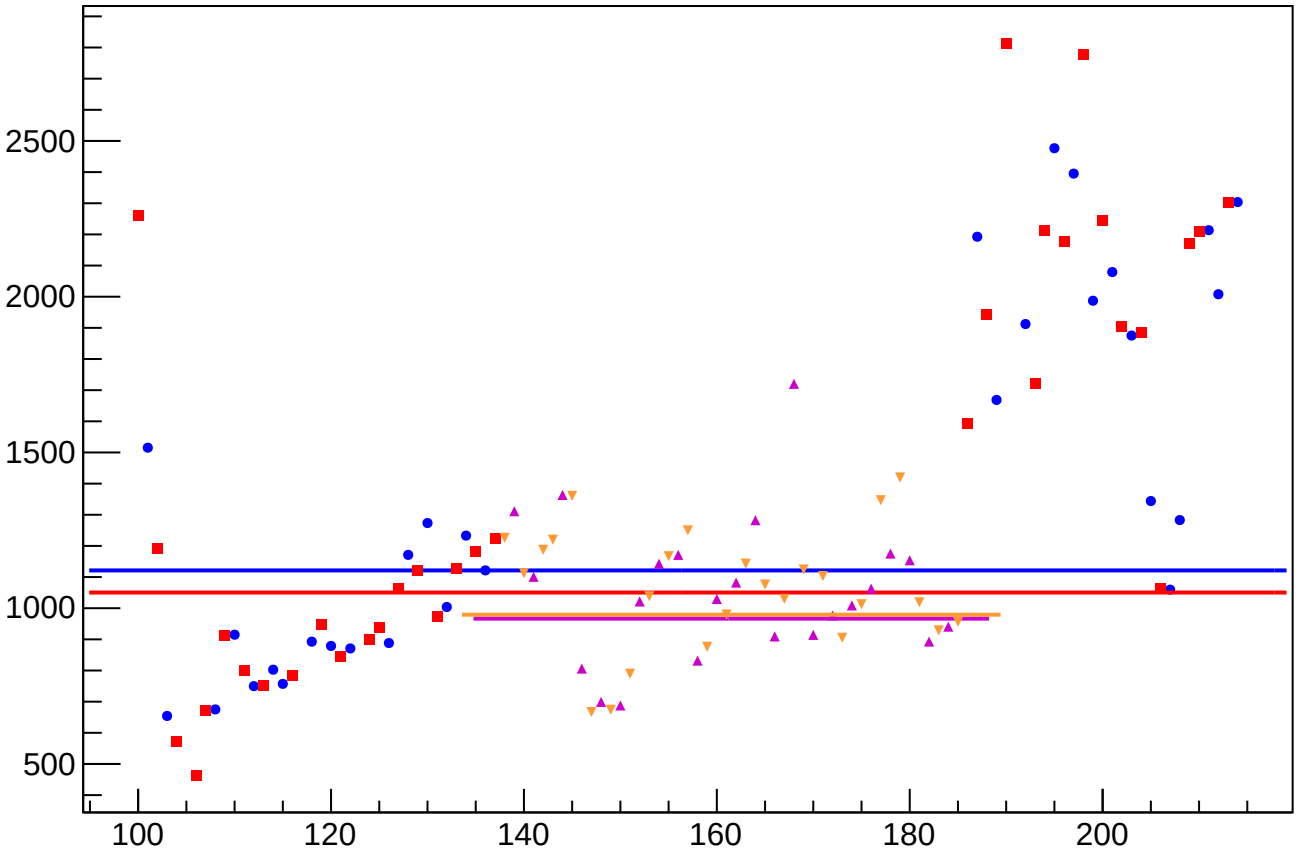
Right Out: 427.995+/-274.797 χ^2/NDF: 38.6/32

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -77.668+/-179.170 χ^2/NDF: 65.4/54

All: 51.592+/-126.000 χ^2/NDF: 119.3/110

- sign 178.065+/-177.228 χ^2/NDF: 52.8/55



Right In: 1121.314+/-0.203 χ^2/NDF: 5376924.5/29

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1050.338+/-0.194 χ^2/NDF: 7312954.2/32

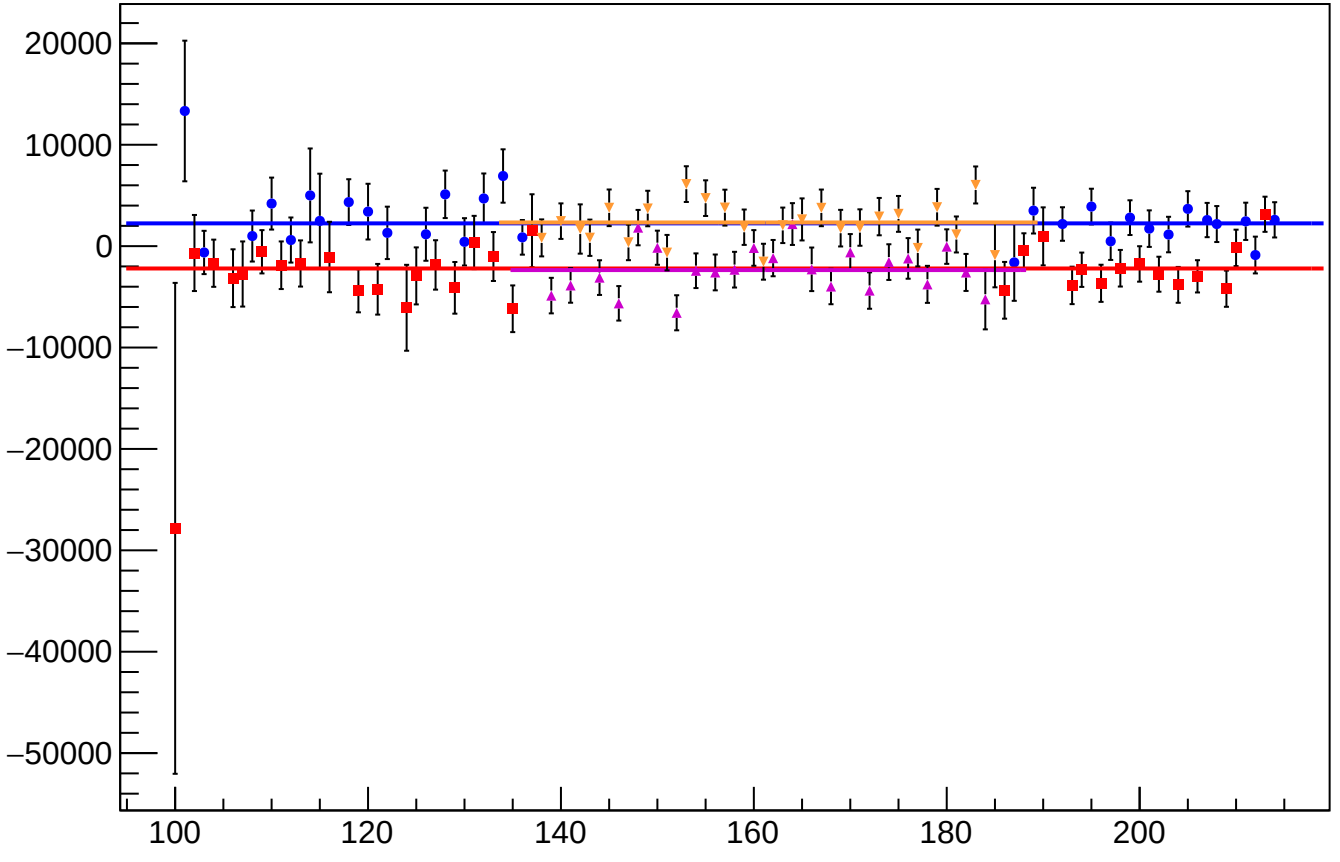
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1034.467+/-0.127 χ^2/NDF: 7306209.4/54

All: 1017.749+/-0.089 χ^2/NDF: 16364822.6/1

- sign 1001.391+/-0.125 χ^2/NDF: 9024161.9/55

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2246.310+/-388.100 χ^2/NDF: 21.8/29

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

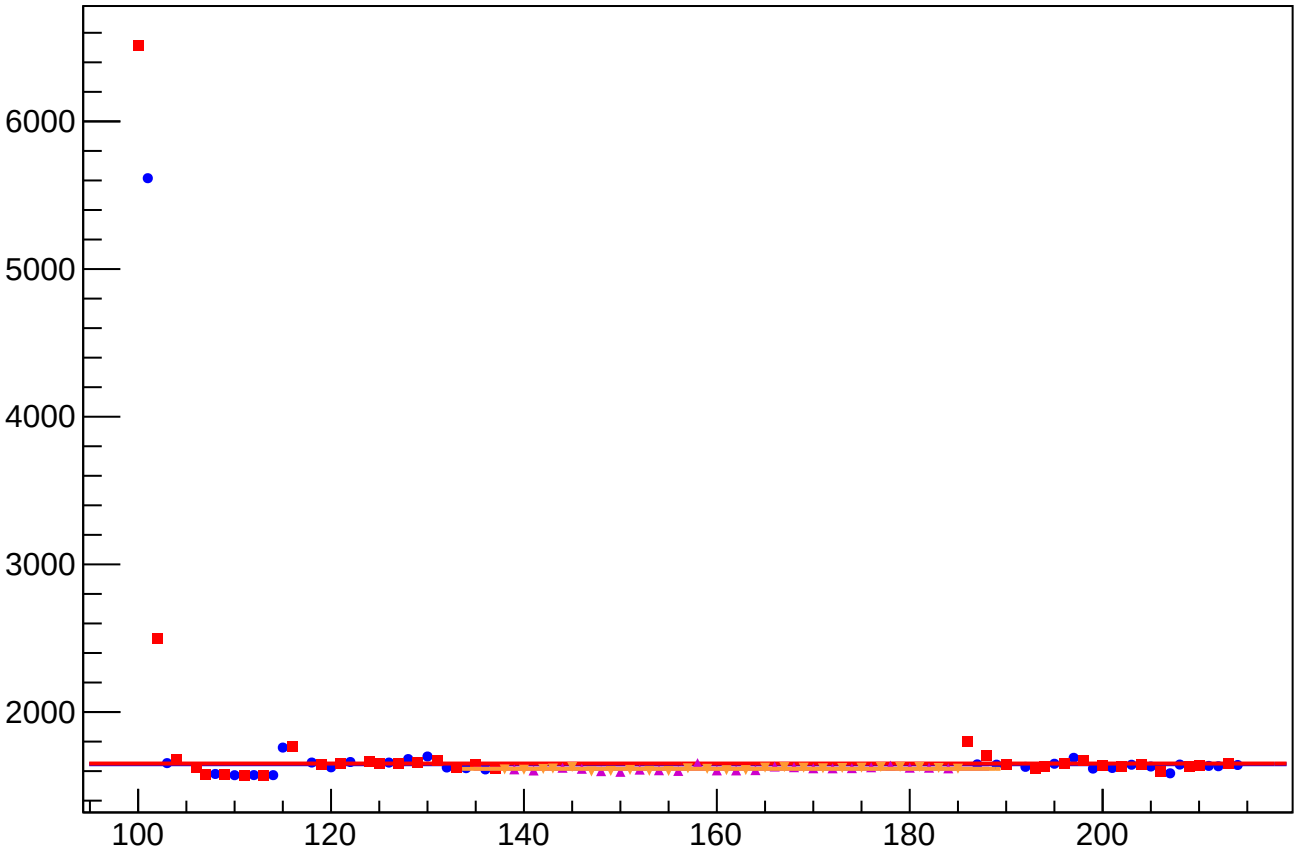
Right Out: -2203.586+/-383.923 χ^2/NDF: 28.3/32

Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2293.048+/-266.652 χ^2/NDF: 50.1/54

All: 26.125+/-189.425 χ^2/NDF: 258.4/110

- sign -2283.280+/-269.139 χ^2/NDF: 62.4/55



Right In: 1646.714+/-0.274 χ^2/NDF: 670207.2/29

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

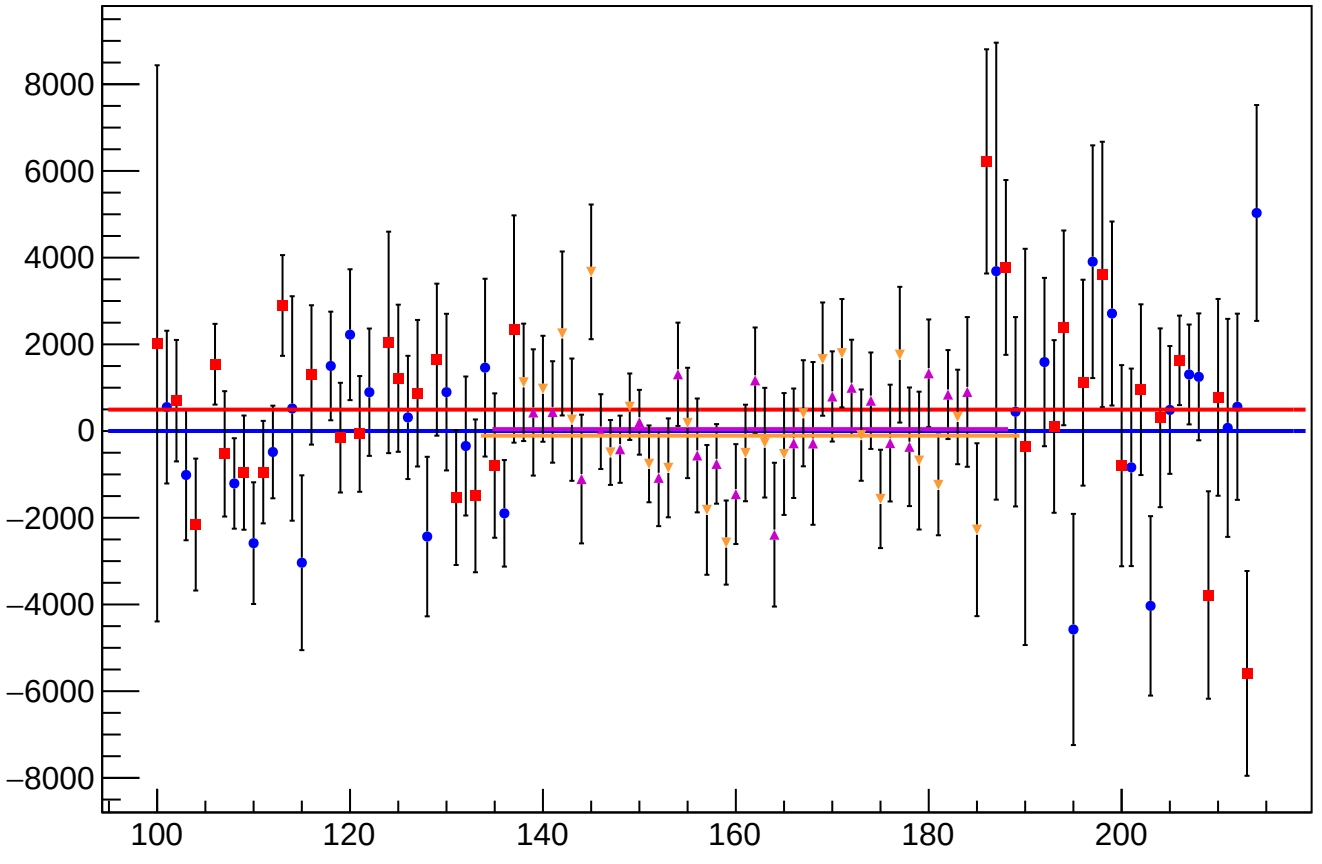
Right Out: 1651.359+/-0.271 χ^2/NDF: 205563.8/32

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.306+/-0.189 χ^2/NDF: 678426.4/54

All: 1631.918+/-0.134 χ^2/NDF: 895148.2/110

- sign 1633.560+/-0.190 χ^2/NDF: 216574.2/55



Right In: 1.428+/-300.934 χ^2/NDF: 34.9/29

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 494.658+/-289.134 χ^2/NDF: 38.5/32

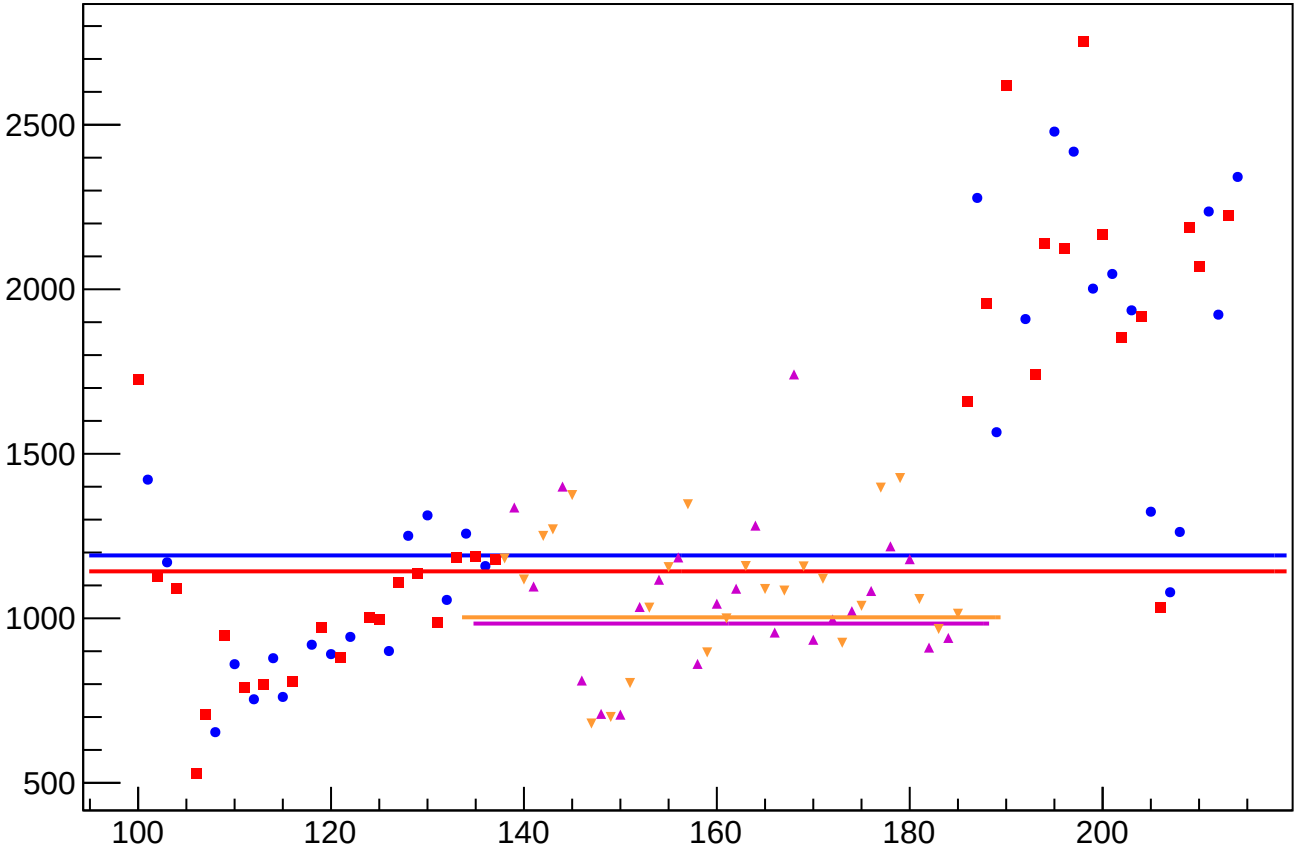
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

+ sign -65.665+/-184.877 χ^2/NDF: 64.0/54

All: 80.995+/-129.953 χ^2/NDF: 118.0/110

- sign 224.229+/-182.704 χ^2/NDF: 52.8/55

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1191.158+/-0.213 χ^2/NDF: 4653099.3/29

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1142.752+/-0.204 χ^2/NDF: 5888339.8/32

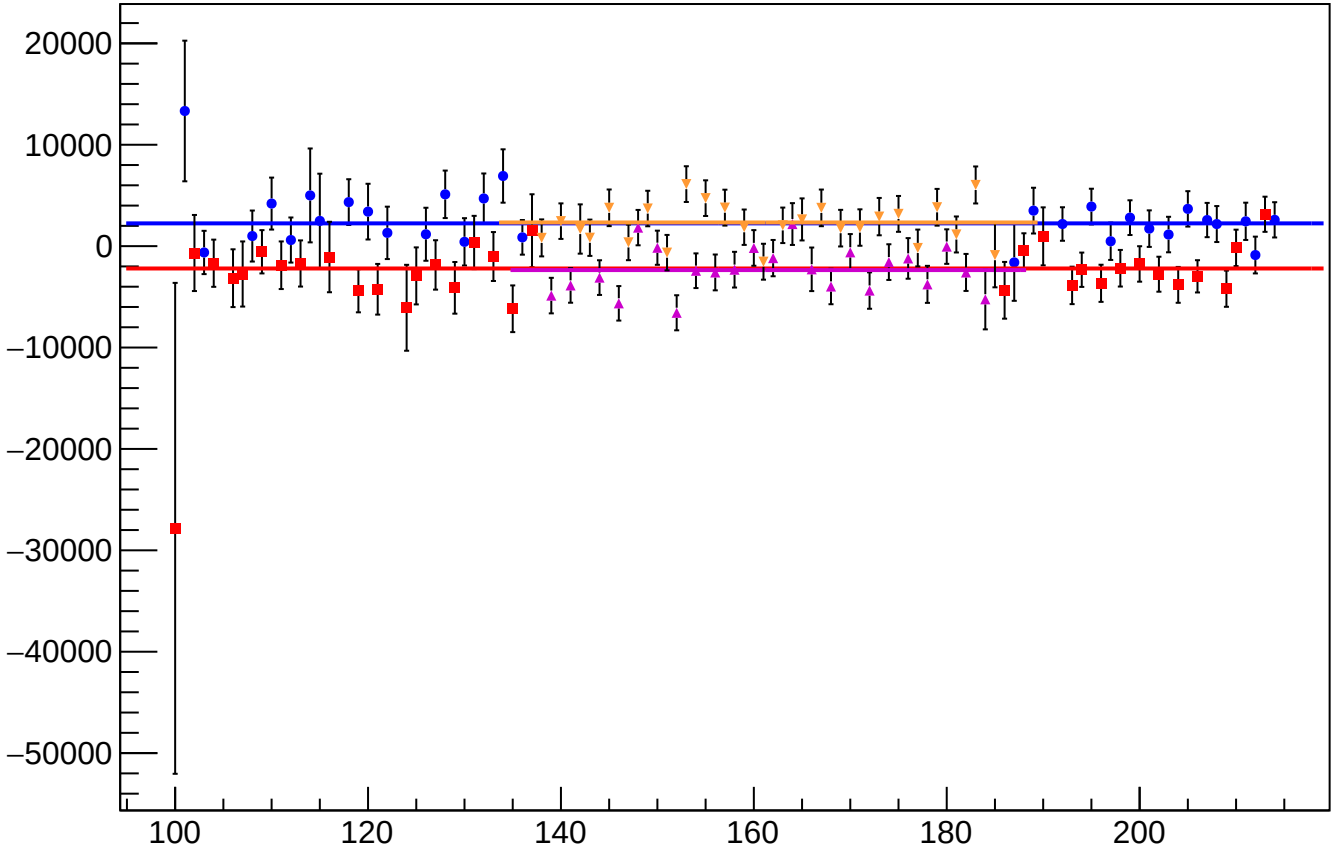
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1074.077+/-0.131 χ^2/NDF: 6737770.5/54

All: 1060.592+/-0.092 χ^2/NDF: 14568642.3/1

- sign 1047.422+/-0.129 χ^2/NDF: 7809838.6/55

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2246.311+/-388.100 χ^2/NDF: 21.8/29

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2203.584+/-383.923 χ^2/NDF: 28.3/32

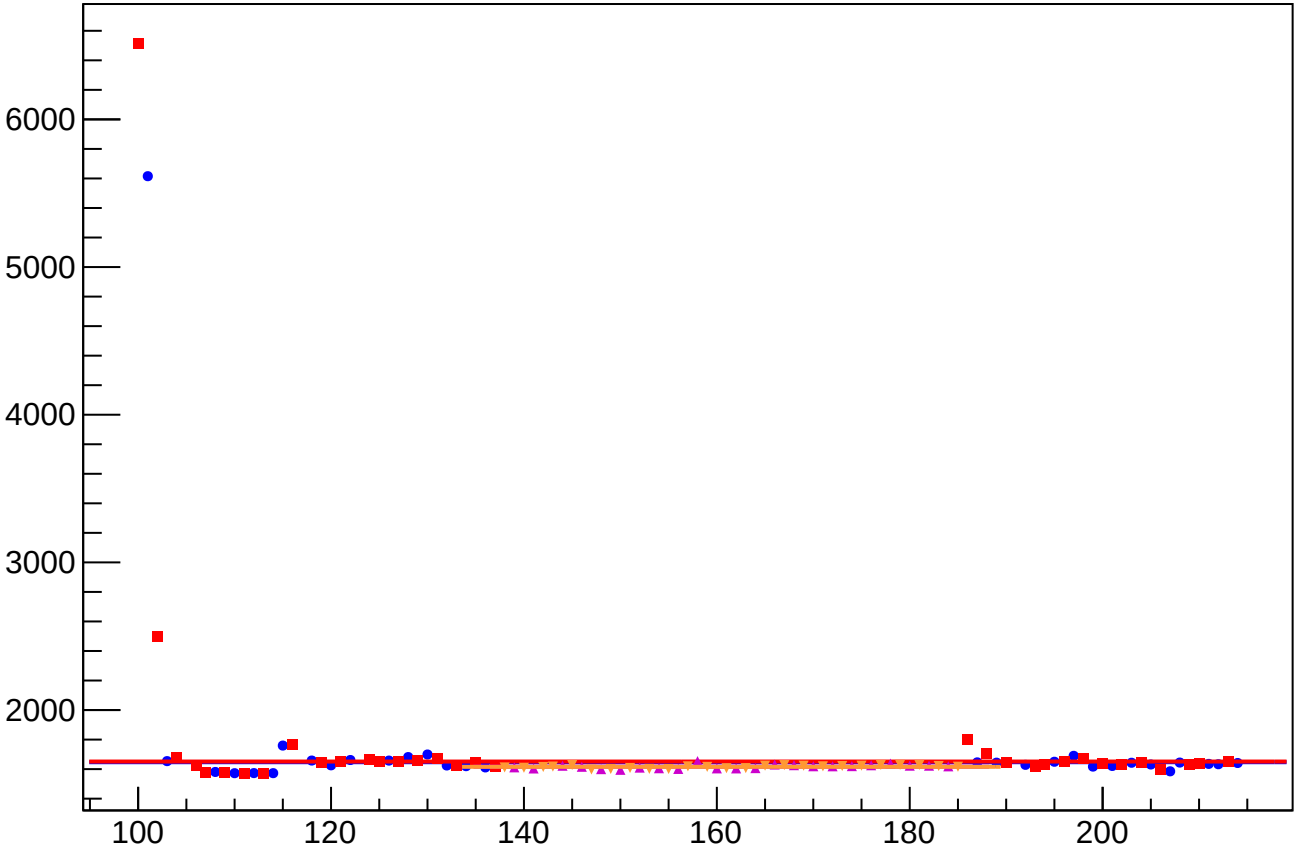
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2293.048+/-266.652 χ^2/NDF: 50.1/54

All: 26.126+/-189.425 χ^2/NDF: 258.4/110

- sign -2283.279+/-269.139 χ^2/NDF: 62.4/55

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1646.714+/-0.274 χ^2/NDF: 670207.2/29

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

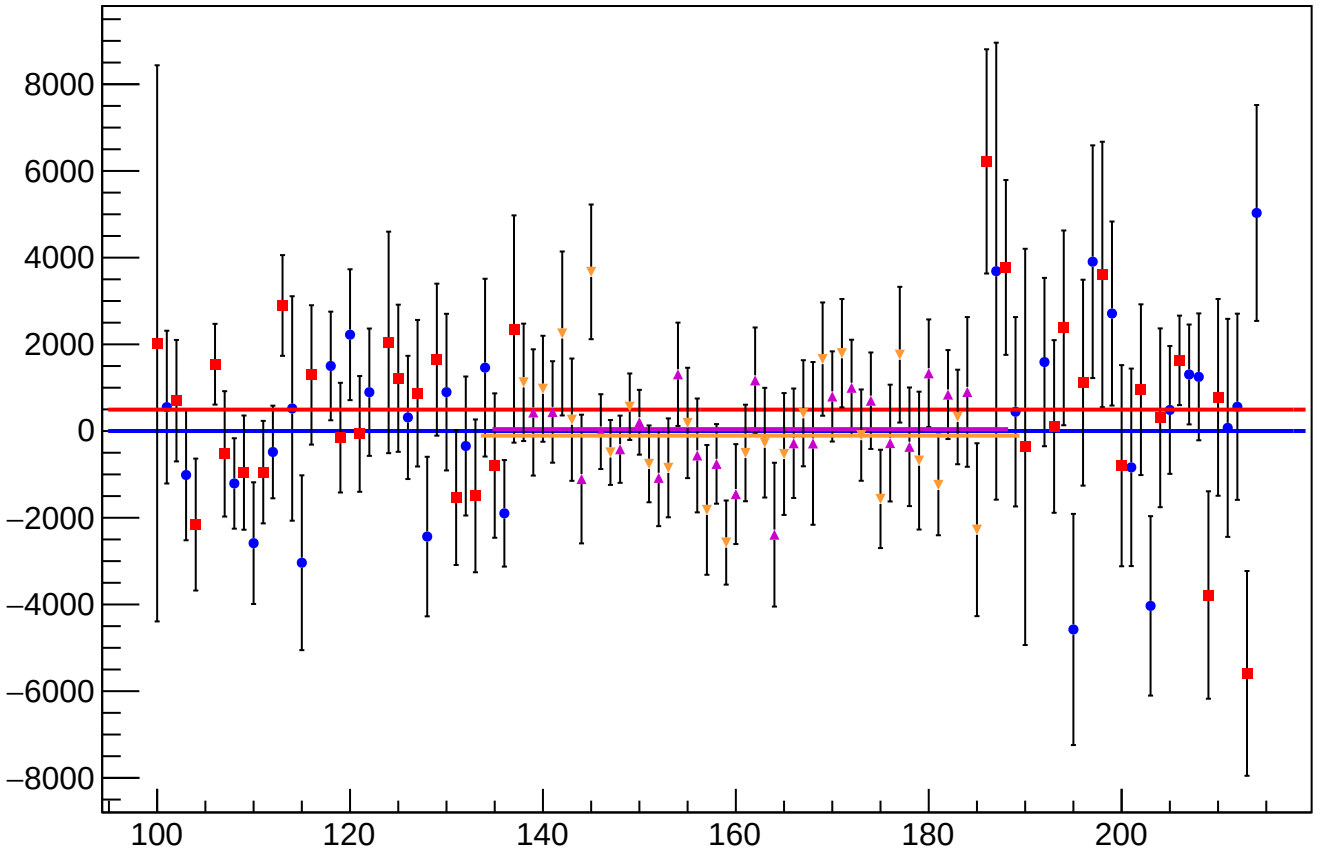
Right Out: 1651.359+/-0.271 χ^2/NDF: 205563.7/32

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.305+/-0.189 χ^2/NDF: 678426.3/54

All: 1631.918+/-0.134 χ^2/NDF: 895148.0/110

- sign 1633.560+/-0.190 χ^2/NDF: 216574.0/55



Right In: 1.427+/-300.934 χ^2/NDF: 34.9/29

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

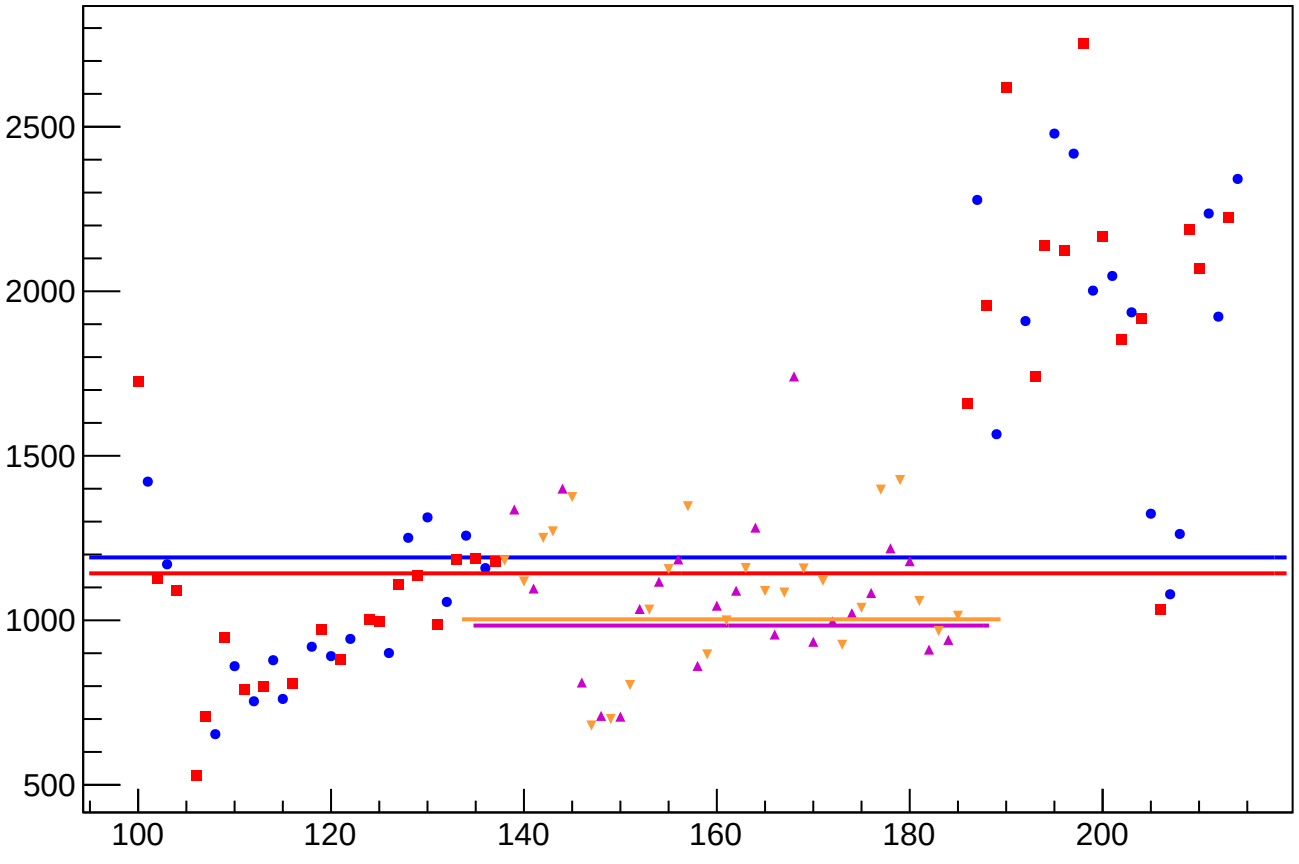
Right Out: 494.656+/-289.134 χ^2/NDF: 38.5/32

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -65.667+/-184.877 χ^2/NDF: 64.0/54

All: 80.994+/-129.953 χ^2/NDF: 118.0/110

- sign 224.229+/-182.705 χ^2/NDF: 52.8/55



Right In: 1191.155+/-0.213 χ^2/NDF: 4653153.5/29

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1142.749+/-0.204 χ^2/NDF: 5888377.7/32

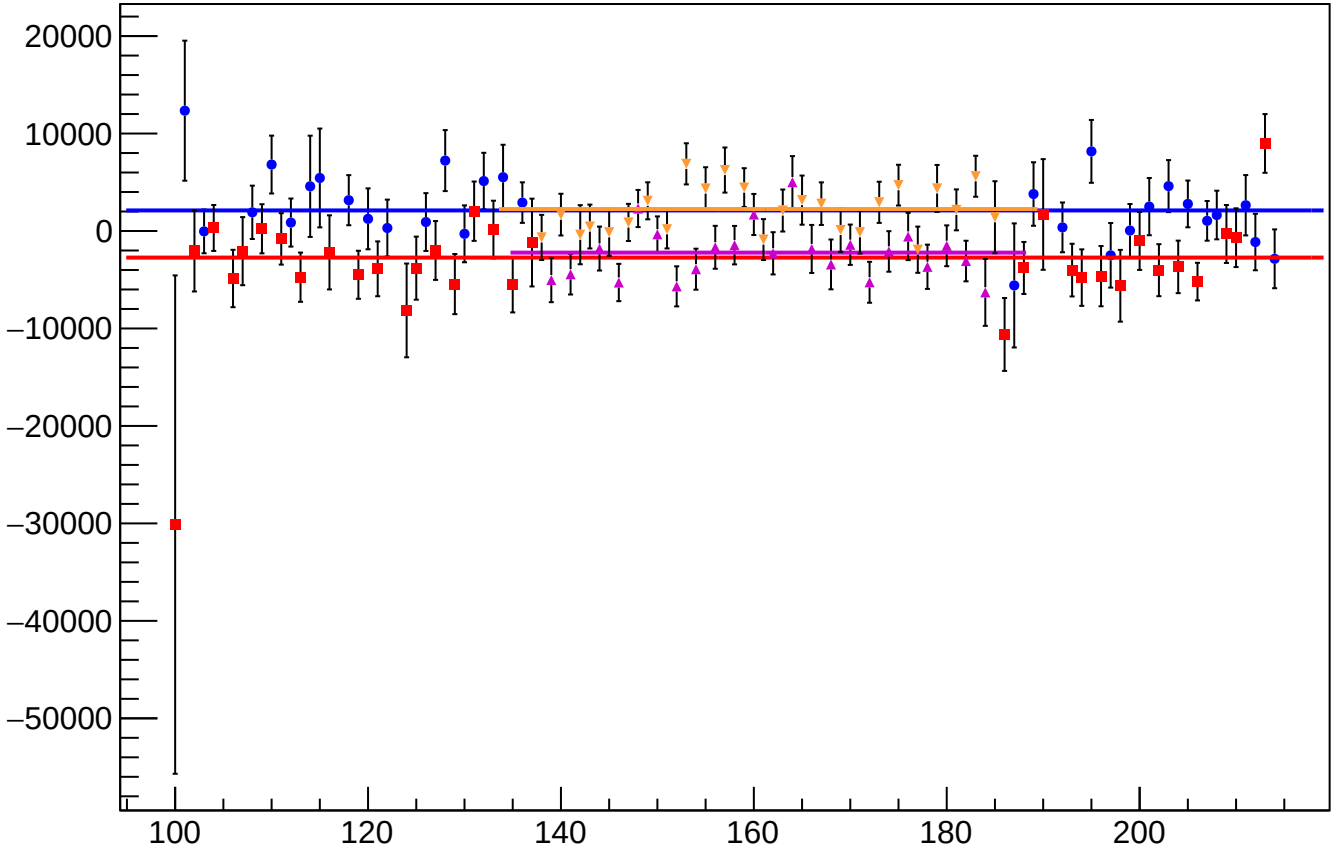
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1074.077+/-0.131 χ^2/NDF: 6737800.0/54

All: 1060.592+/-0.092 χ^2/NDF: 14568691.1/1

- sign 1047.422+/-0.129 χ^2/NDF: 7809857.9/55

asym_usr_atr1_avg_mean vs Slug



Right In: 2110.677+/-526.262 χ^2/NDF: 26.3/29

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2727.411+/-521.647 χ^2/NDF: 38.8/32

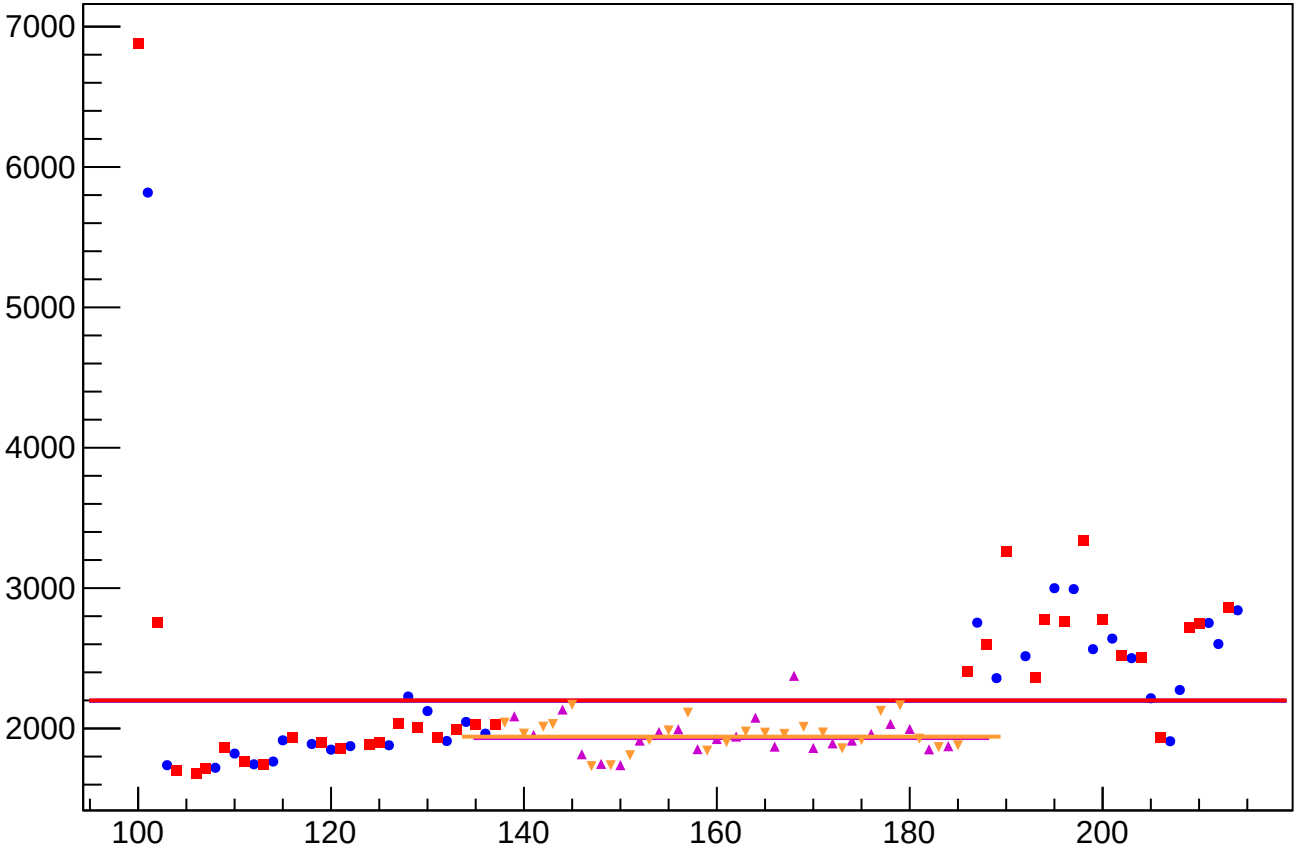
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2193.735+/-338.556 χ^2/NDF: 54.6/54

All: -100.262+/-240.508 χ^2/NDF: 218.2/110

- sign -2437.409+/-341.725 χ^2/NDF: 70.9/55

asym_usr_atr1_avg_rms vs Slug



Right In: 2197.746+/-0.372 χ^2/NDF: 1558108.2/29

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2199.807+/-0.369 χ^2/NDF: 1451318.2/32

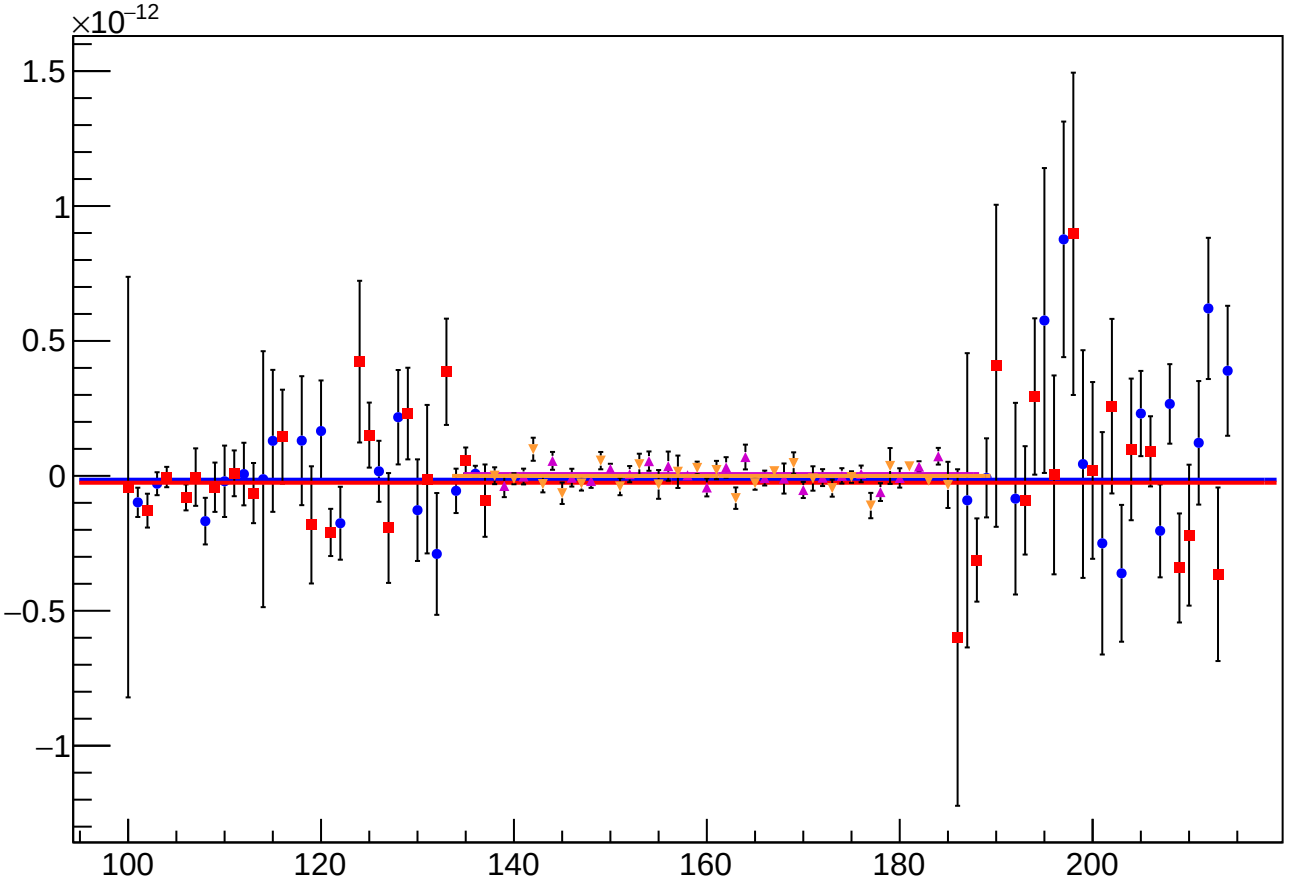
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2047.599+/-0.239 χ^2/NDF: 1974871.5/54

All: 2047.214+/-0.170 χ^2/NDF: 3887413.9/11

- sign 2046.821+/-0.242 χ^2/NDF: 1912537.2/55

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

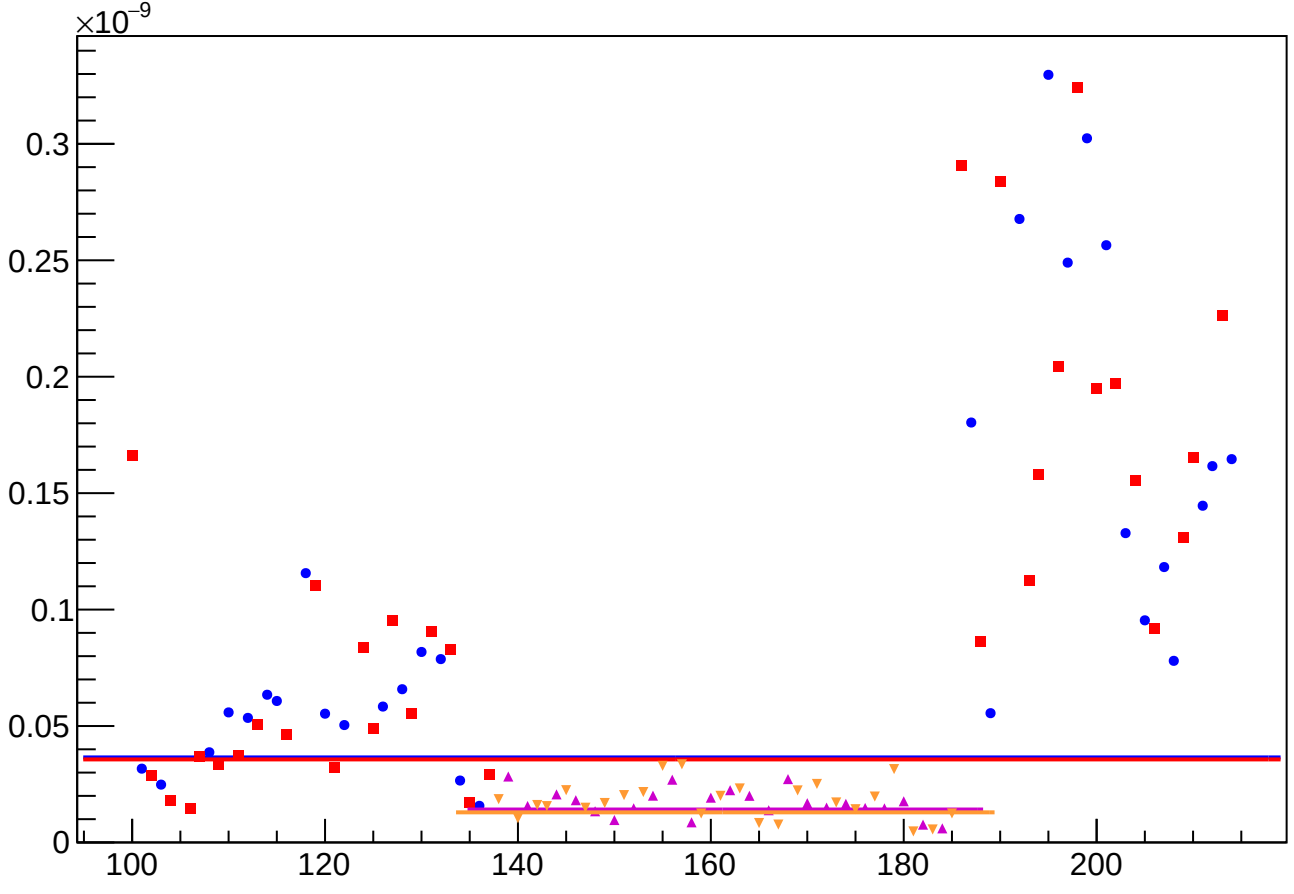
Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/32

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.9/54

All: 0.000+/-0.000 χ^2/NDF: 148.4/110

- sign 0.000+/-0.000 χ^2/NDF: 70.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 7908021.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7785952.7/32

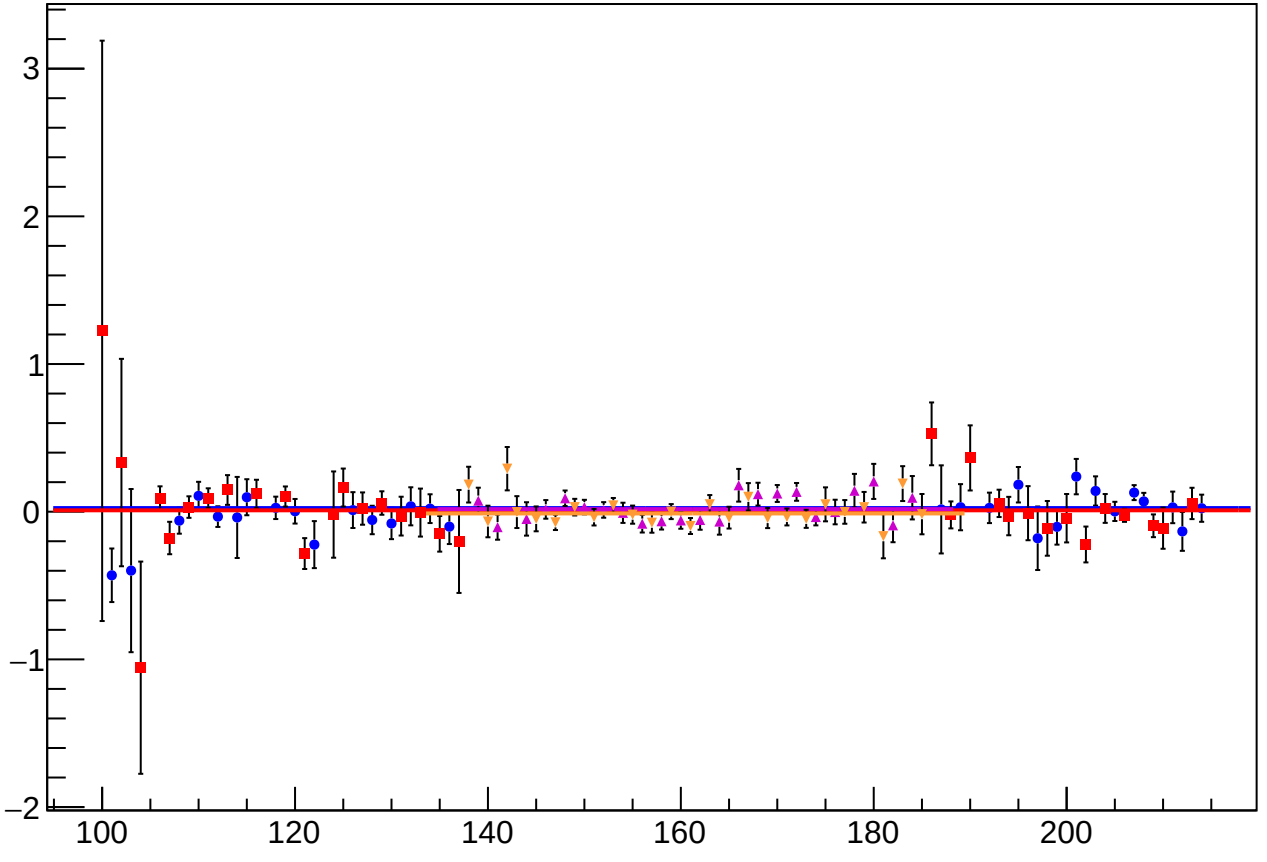
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13765968.7/54

All: 0.000+/-0.000 χ^2/NDF: 25548485.5/110

- sign 0.000+/-0.000 χ^2/NDF: 11733586.3/55

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.018 χ^2/NDF: 29.7/29

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.009+/-0.018 χ^2/NDF: 41.9/32

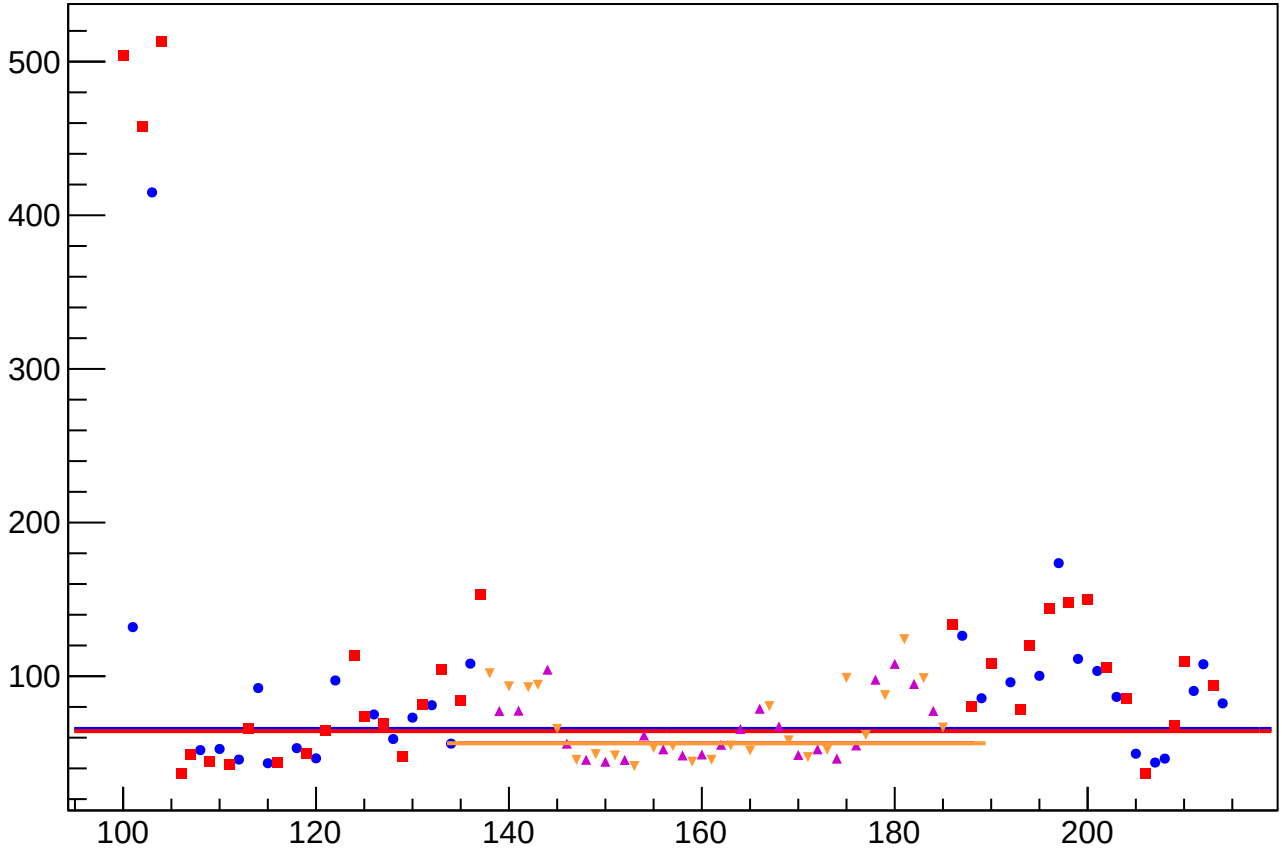
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.002+/-0.011 χ^2/NDF: 54.0/54

All: 0.008+/-0.008 χ^2/NDF: 127.2/110

- sign 0.014+/-0.011 χ^2/NDF: 72.6/55

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.699+/-0.013 χ^2/NDF: 4607027.7/29

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

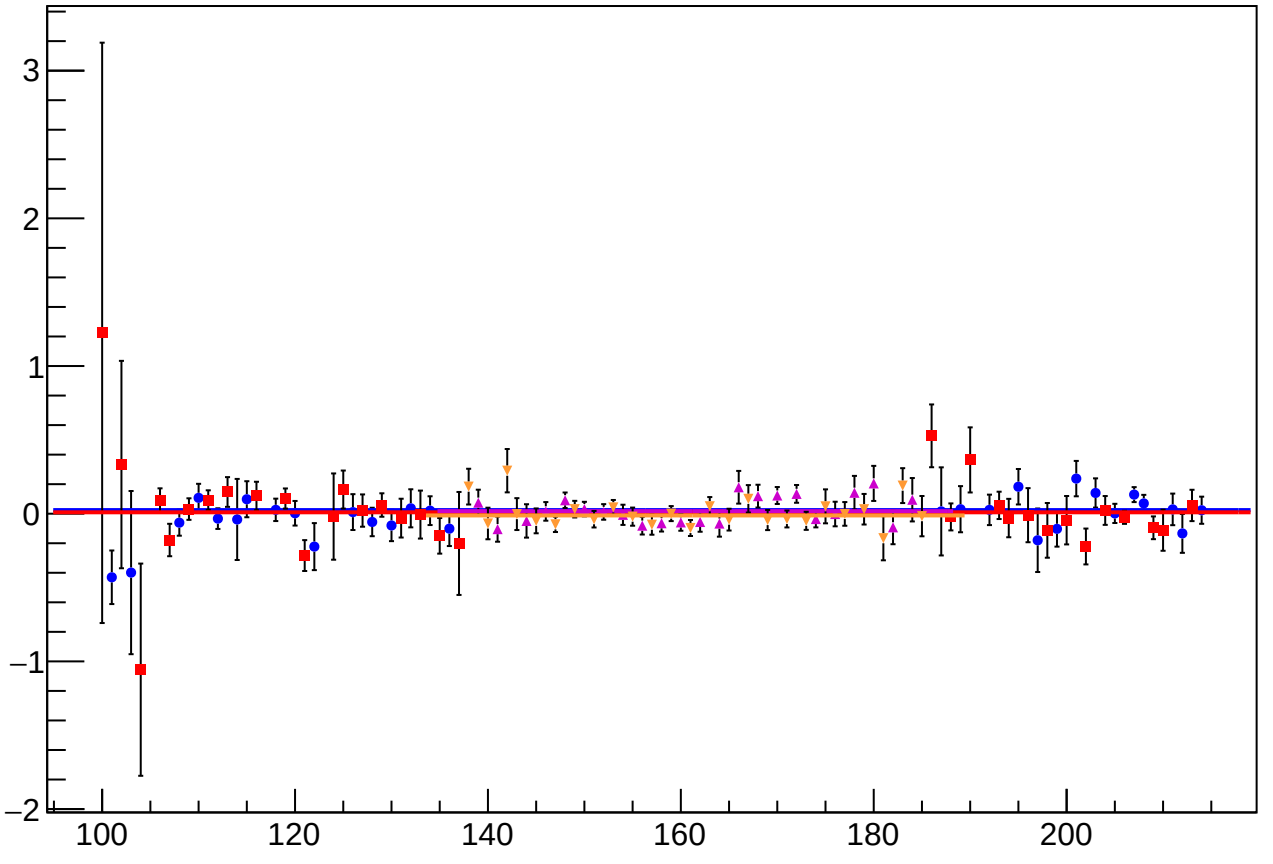
Right Out: 64.249+/-0.013 χ^2/NDF: 6404786.1/32

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.985+/-0.008 χ^2/NDF: 7732978.2/54

All: 59.755+/-0.006 χ^2/NDF: 16506141.0/110

- sign 59.522+/-0.008 χ^2/NDF: 8771468.5/55



Right In: 0.024+/-0.018 χ^2/NDF: 29.7/29

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.009+/-0.018 χ^2/NDF: 41.9/32

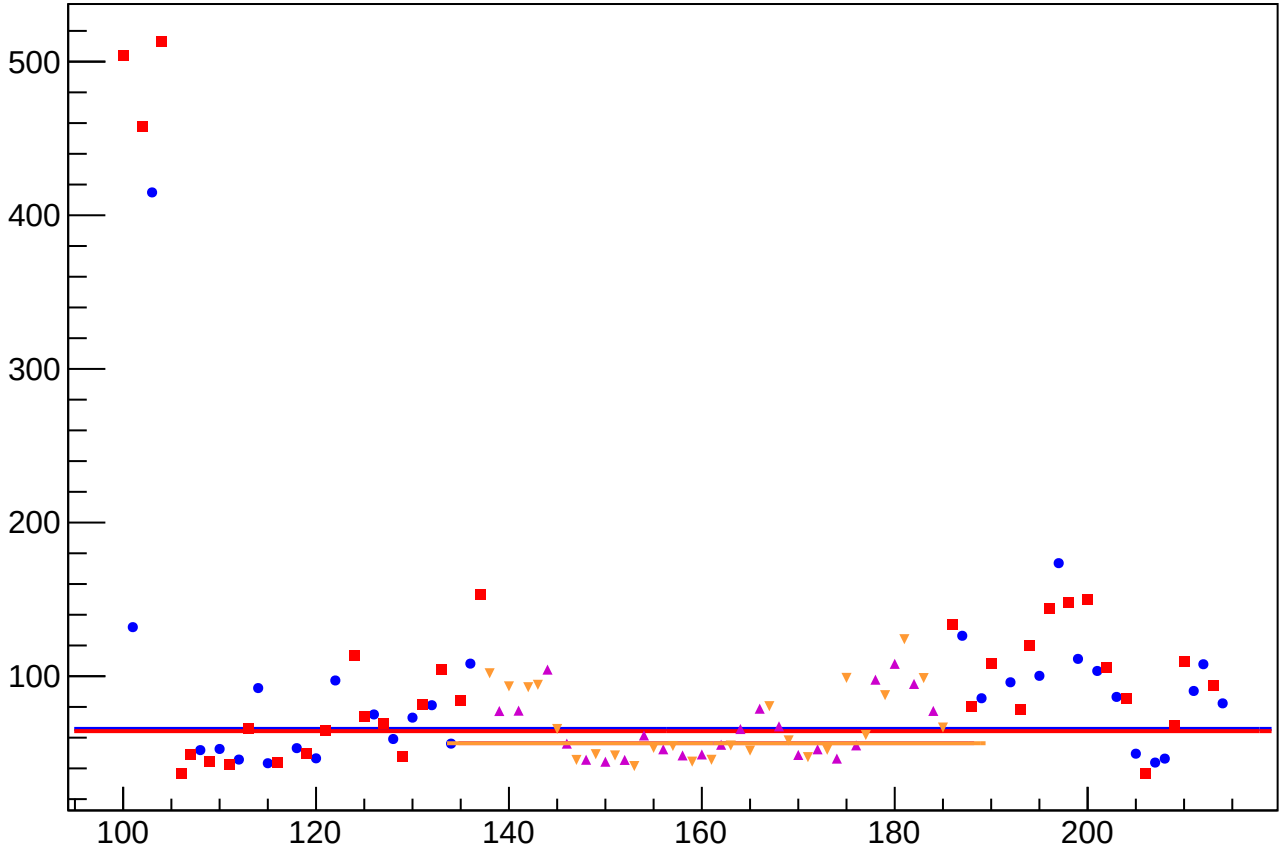
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.002+/-0.011 χ^2/NDF: 54.0/54

All: 0.008+/-0.008 χ^2/NDF: 127.2/110

- sign 0.014+/-0.011 χ^2/NDF: 72.6/55

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.699+/-0.013 χ^2/NDF: 4607027.7/29

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

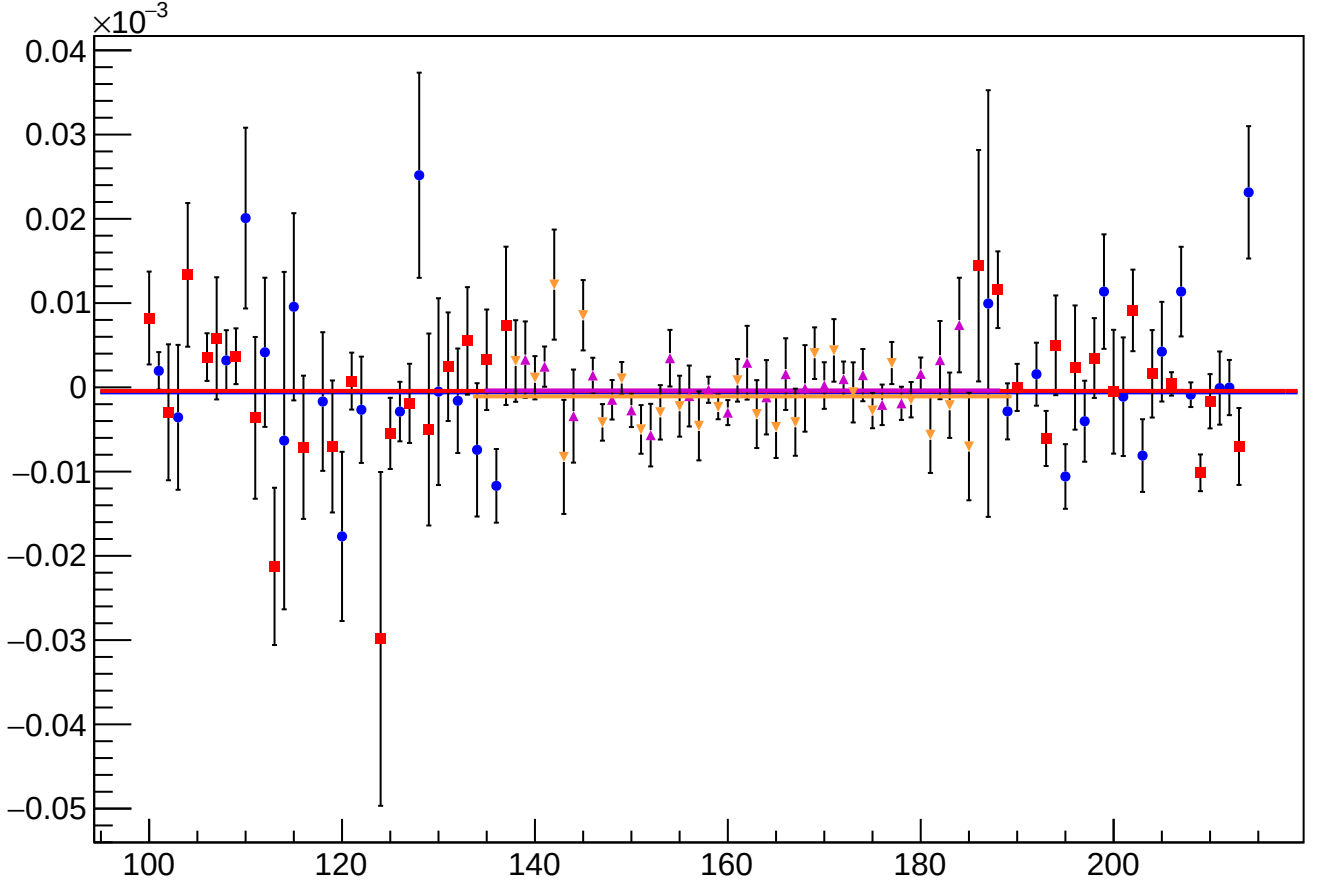
Right Out: 64.249+/-0.013 χ^2/NDF: 6404786.1/32

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 59.985+/-0.008 χ^2/NDF: 7732978.2/54

All: 59.755+/-0.006 χ^2/NDF: 16506141.0/110

- sign 59.522+/-0.008 χ^2/NDF: 8771468.5/55



Right In: -0.000+/-0.000 χ^2/NDF: 51.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

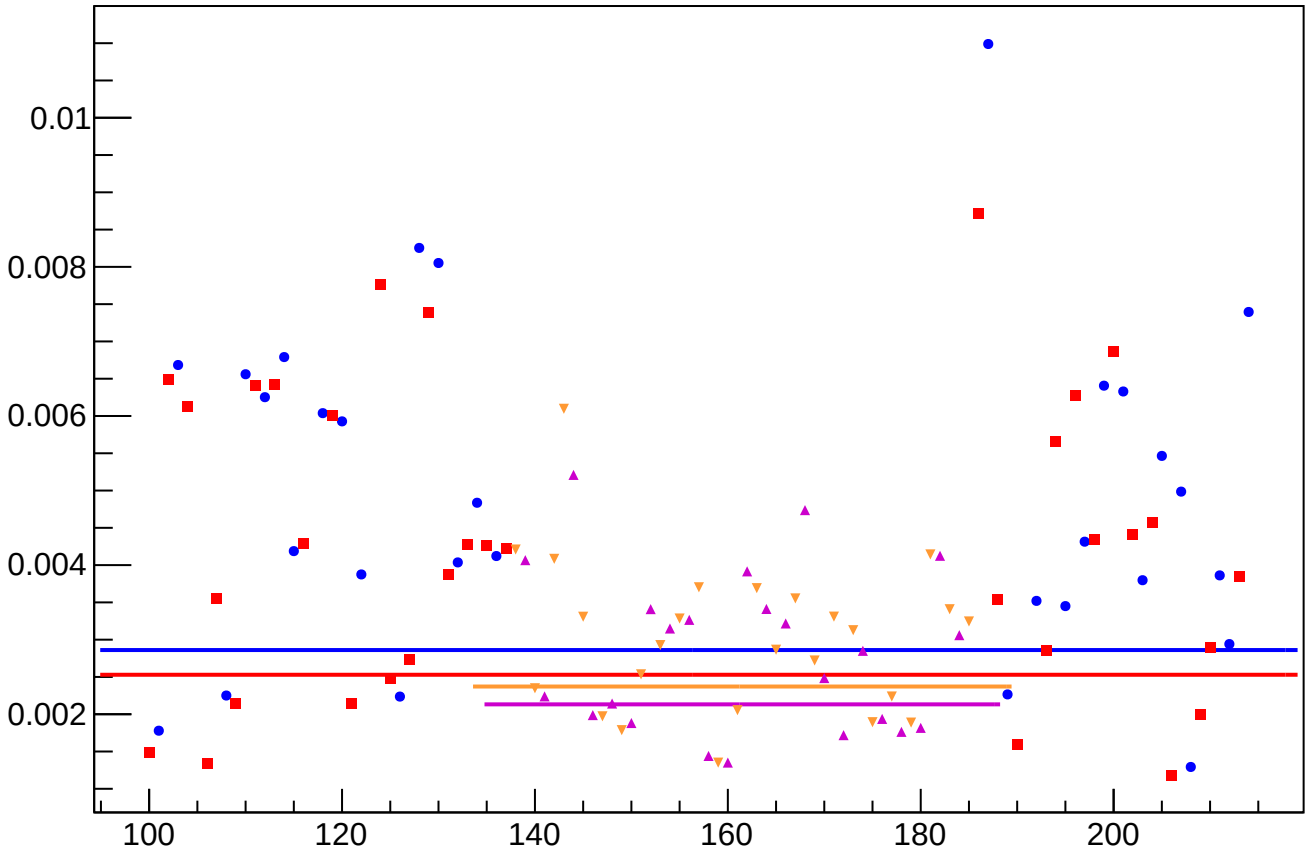
Right Out: -0.000+/-0.000 χ^2/NDF: 61.3/32

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.7/54

All: -0.000+/-0.000 χ^2/NDF: 163.2/110

- sign -0.000+/-0.000 χ^2/NDF: 78.8/55



Right In: 0.003+/-0.000 χ^2/NDF: 8815299.3/29

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

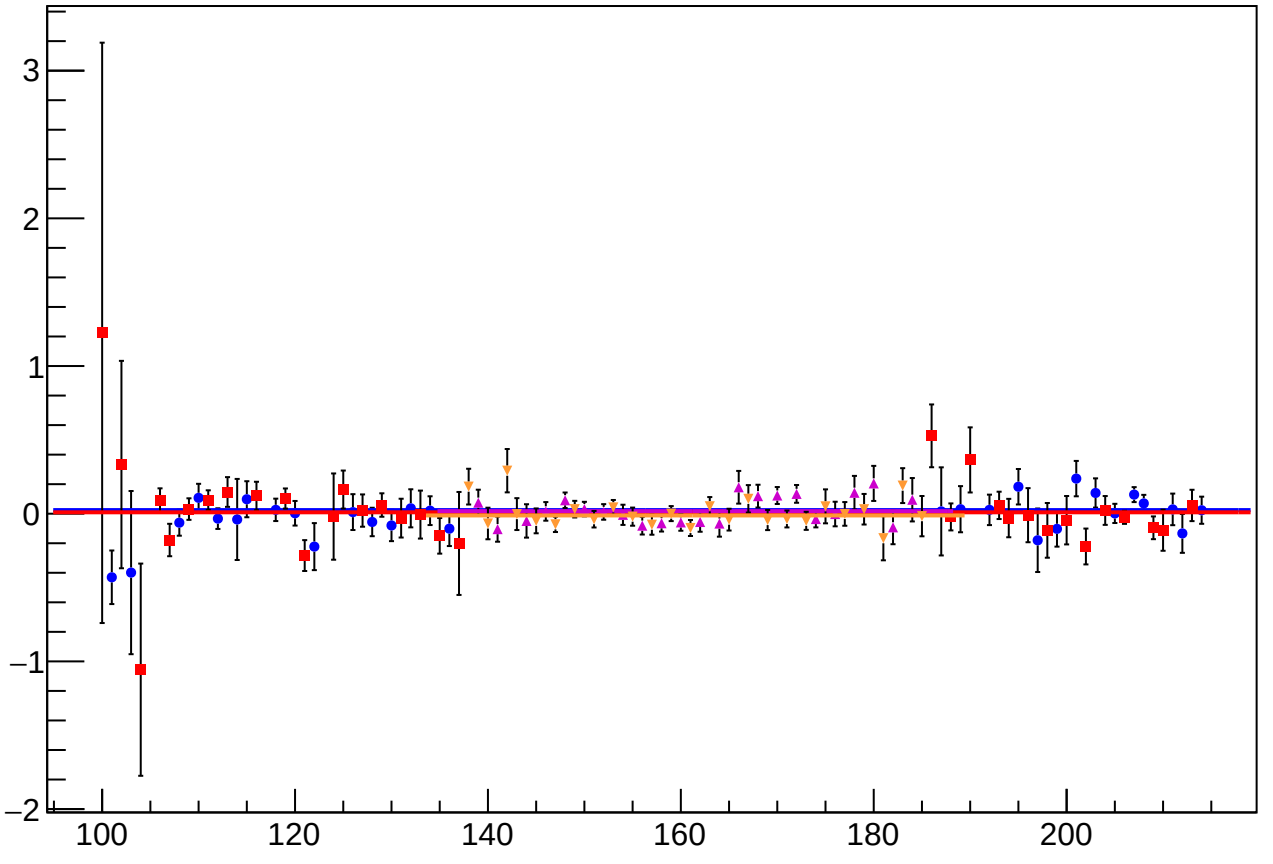
Right Out: 0.003+/-0.000 χ^2/NDF: 9130013.7/32

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 13478953.2/54

All: 0.002+/-0.000 χ^2/NDF: 27885229.0/110

- sign 0.002+/-0.000 χ^2/NDF: 14047532.3/55



Right In: 0.024+/-0.018 χ^2/NDF: 29.7/29

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

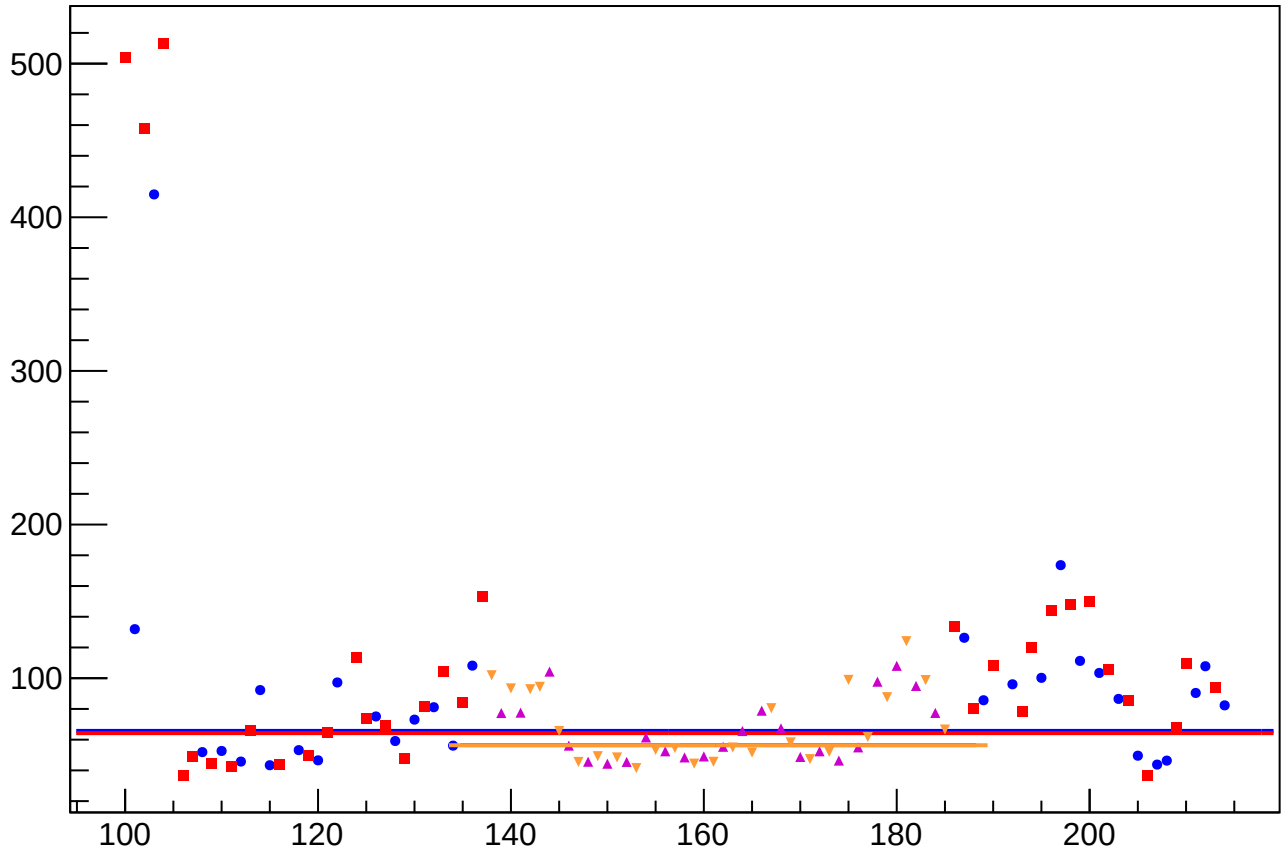
Right Out: 0.009+/-0.018 χ^2/NDF: 41.9/32

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.002+/-0.011 χ^2/NDF: 54.0/54

All: 0.008+/-0.008 χ^2/NDF: 127.2/110

- sign 0.014+/-0.011 χ^2/NDF: 72.6/55



Right In: 65.699+/-0.013 χ^2/NDF: 4606989.5/29

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.248+/-0.013 χ^2/NDF: 6404831.6/32

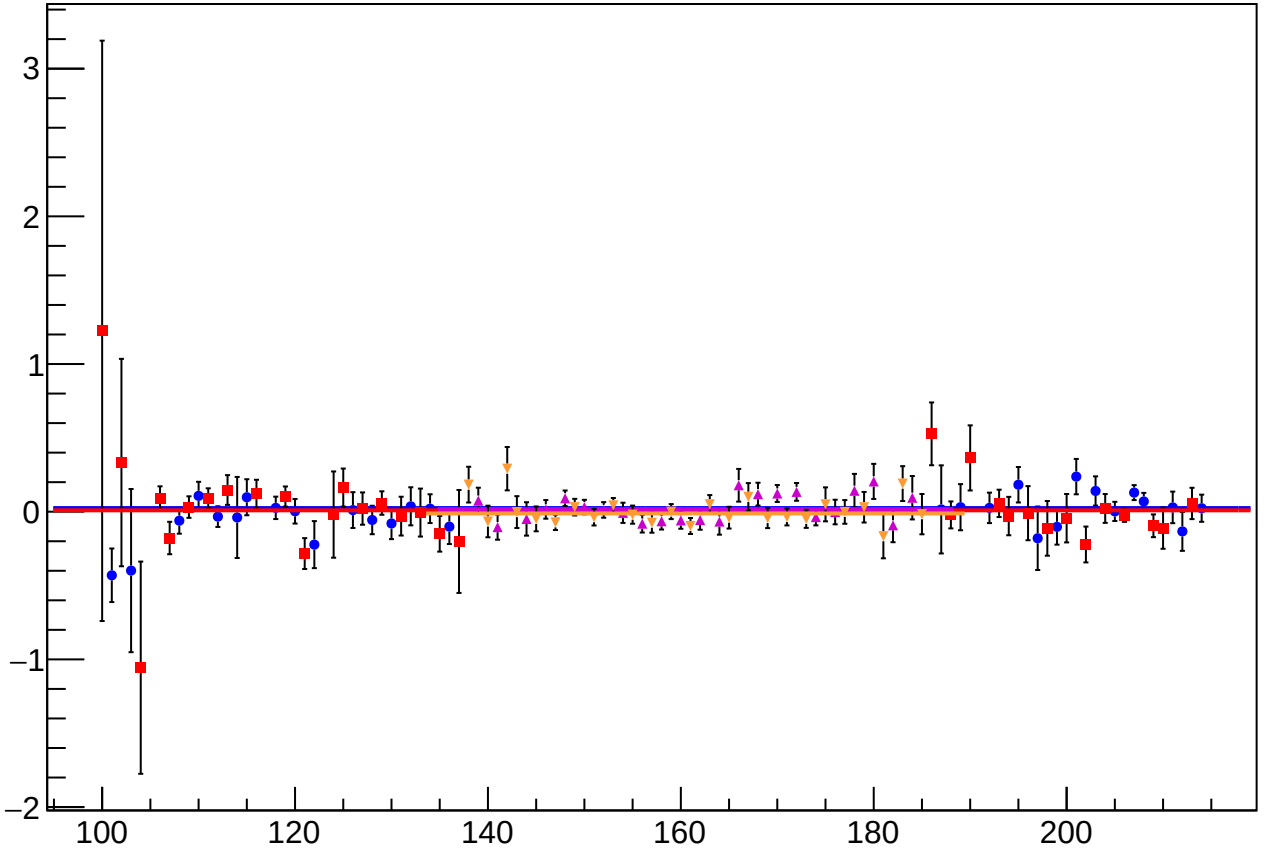
Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.985+/-0.008 χ^2/NDF: 7732979.6/54

All: 59.755+/-0.006 χ^2/NDF: 16506134.8/110

- sign 59.522+/-0.008 χ^2/NDF: 8771459.8/55

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.018 χ^2/NDF: 29.7/29

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

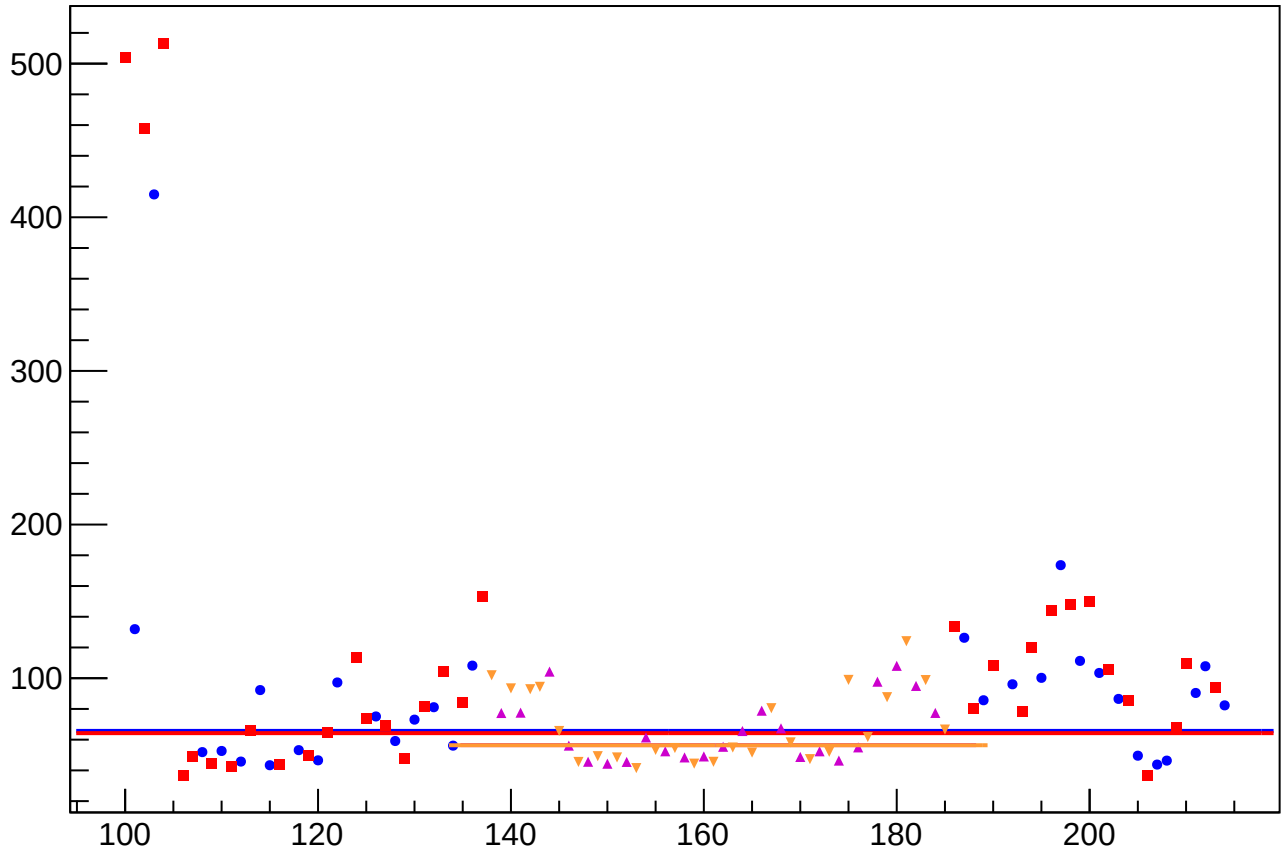
Right Out: 0.009+/-0.018 χ^2/NDF: 41.9/32

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign 0.002+/-0.011 χ^2/NDF: 54.0/54

All: 0.008+/-0.008 χ^2/NDF: 127.2/110

- sign 0.014+/-0.011 χ^2/NDF: 72.6/55



Right In: 65.699+/-0.013 χ^2/NDF: 4606989.5/29

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

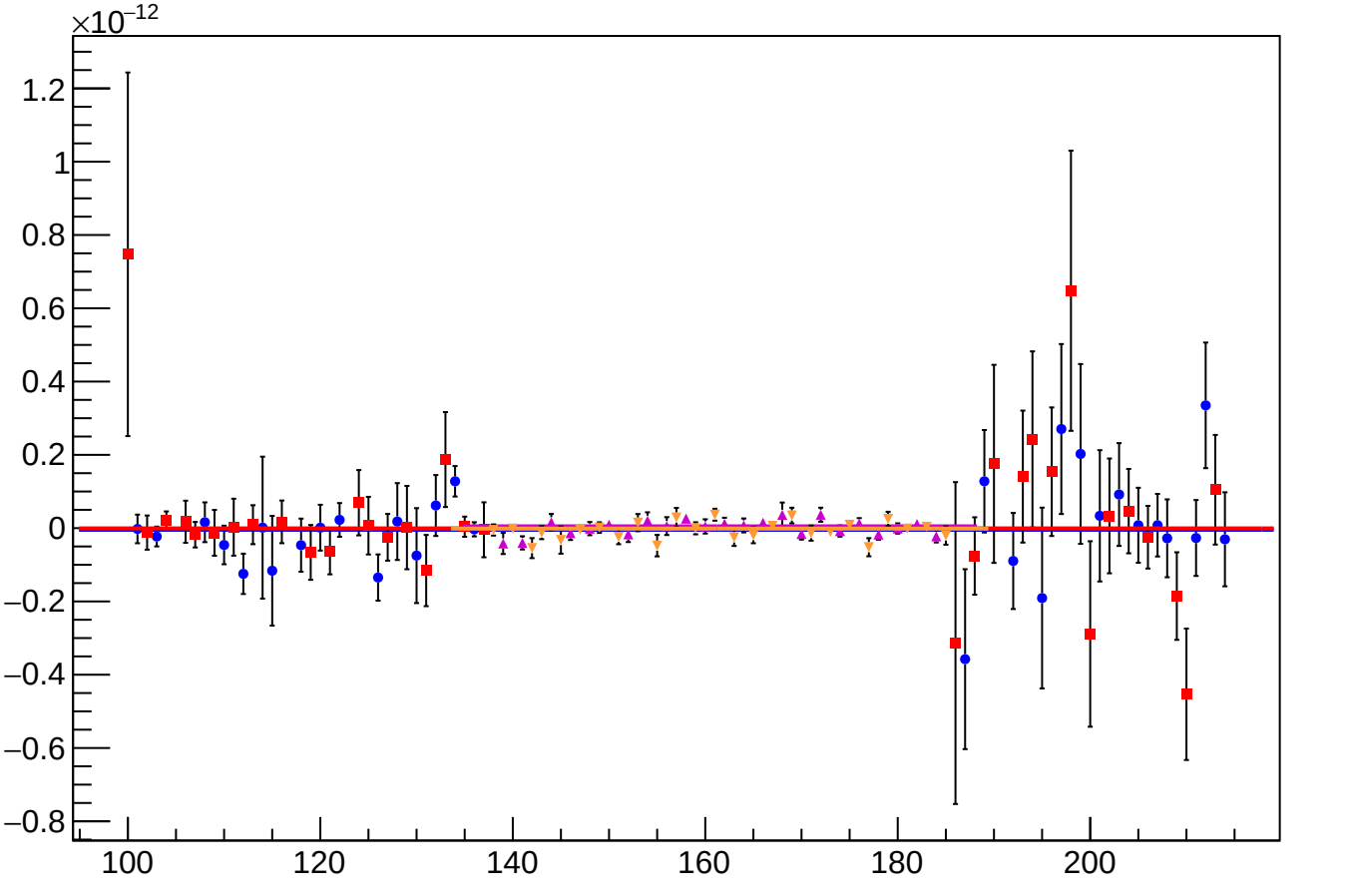
Right Out: 64.248+/-0.013 χ^2/NDF: 6404831.6/32

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 59.985+/-0.008 χ^2/NDF: 7732979.6/54

All: 59.755+/-0.006 χ^2/NDF: 16506134.8/110

- sign 59.522+/-0.008 χ^2/NDF: 8771459.8/55



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

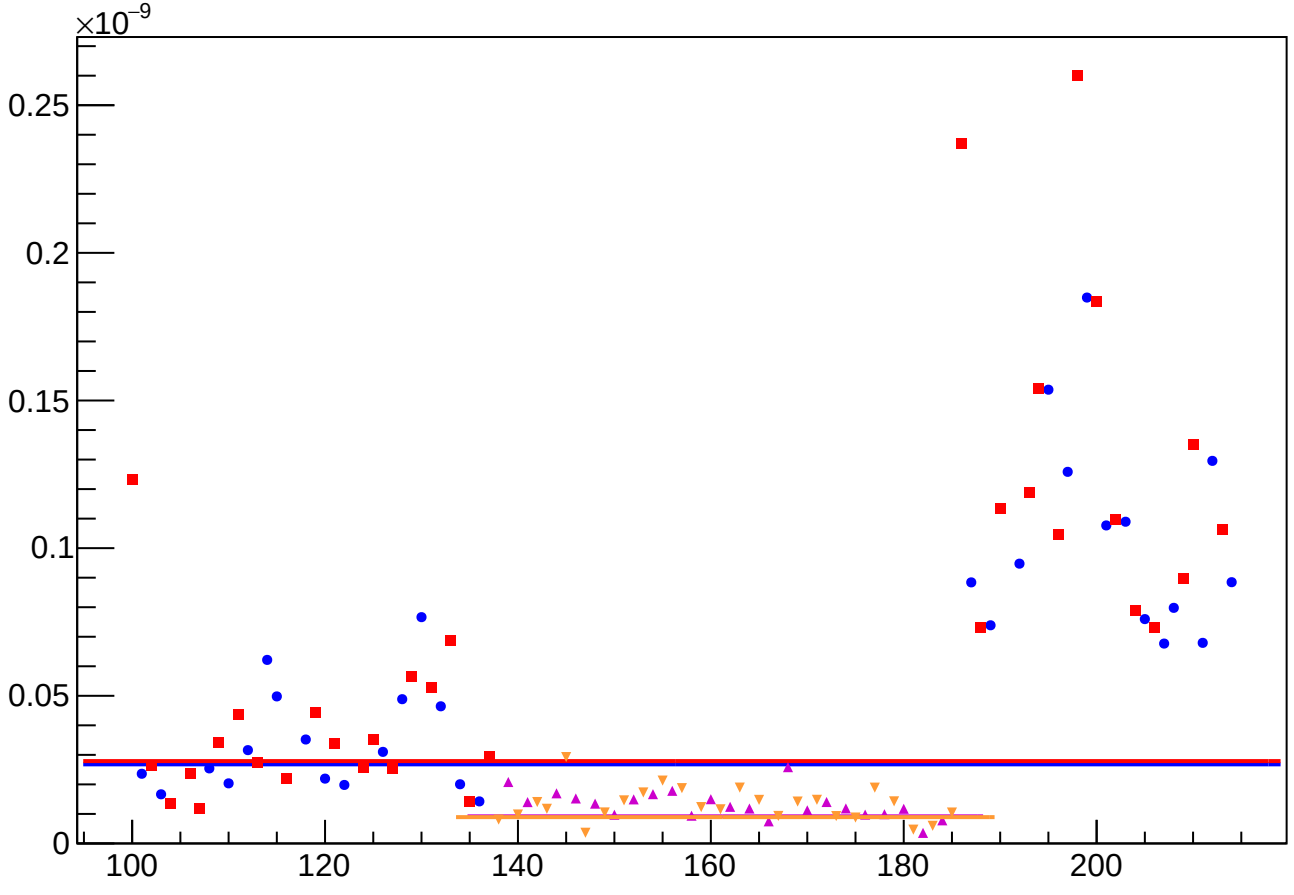
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/32

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/54

All: 0.000+/-0.000 χ^2/NDF: 121.1/110

- sign 0.000+/-0.000 χ^2/NDF: 55.9/55



Right In: 0.000+/-0.000 χ^2/NDF: 8566076.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9678584.0/32

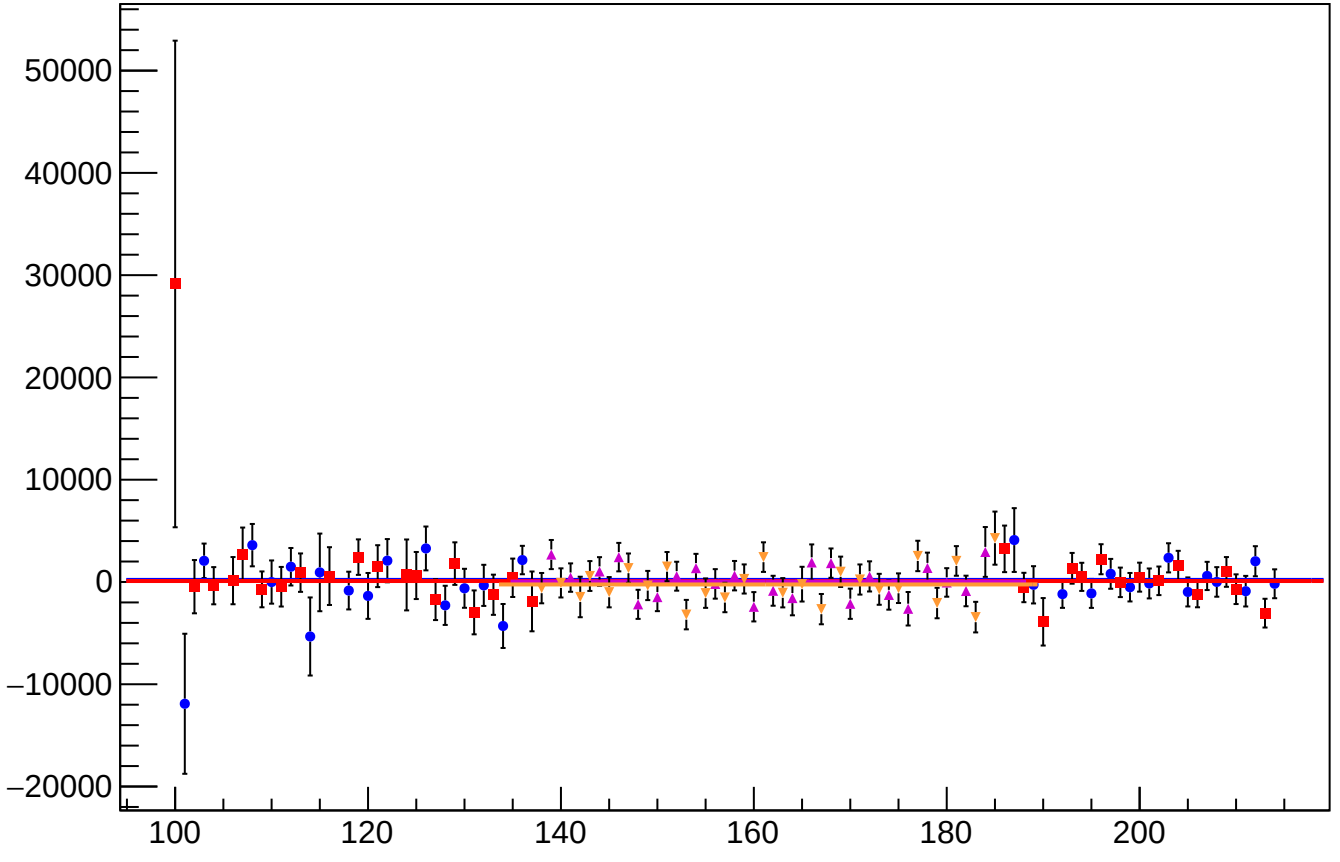
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18750438.3/54

All: 0.000+/-0.000 χ^2/NDF: 38540361.3/110

- sign 0.000+/-0.000 χ^2/NDF: 19781709.1/55

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 202.144+/-315.618 χ^2/NDF: 30.9/29

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 93.584+/-311.488 χ^2/NDF: 25.7/32

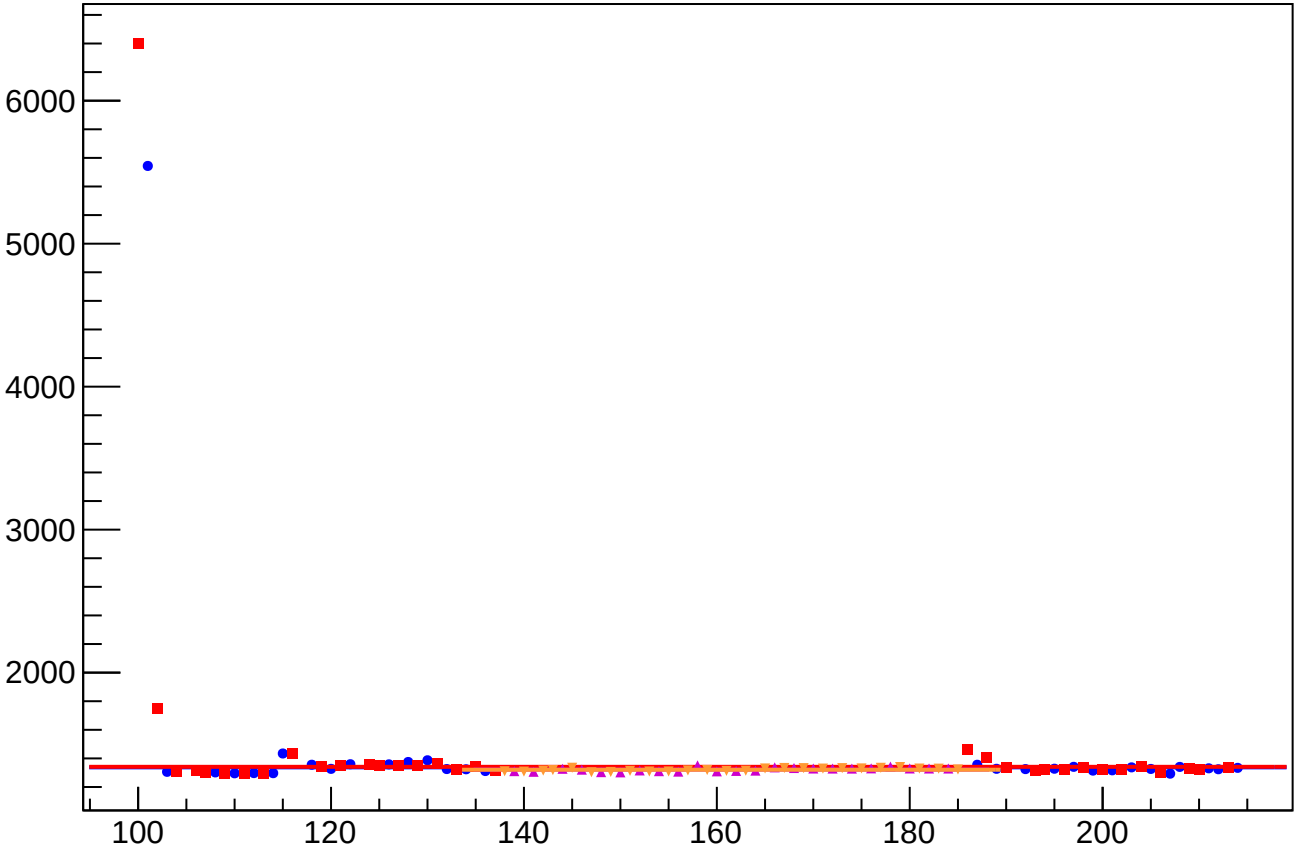
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -30.591+/-217.447 χ^2/NDF: 63.7/54

All: 17.359+/-154.386 χ^2/NDF: 116.6/110

- sign 66.101+/-219.235 χ^2/NDF: 52.9/55

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.472+/-0.223 χ^2/NDF: 766661.5/29

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1341.156+/-0.220 χ^2/NDF: 161951.8/32

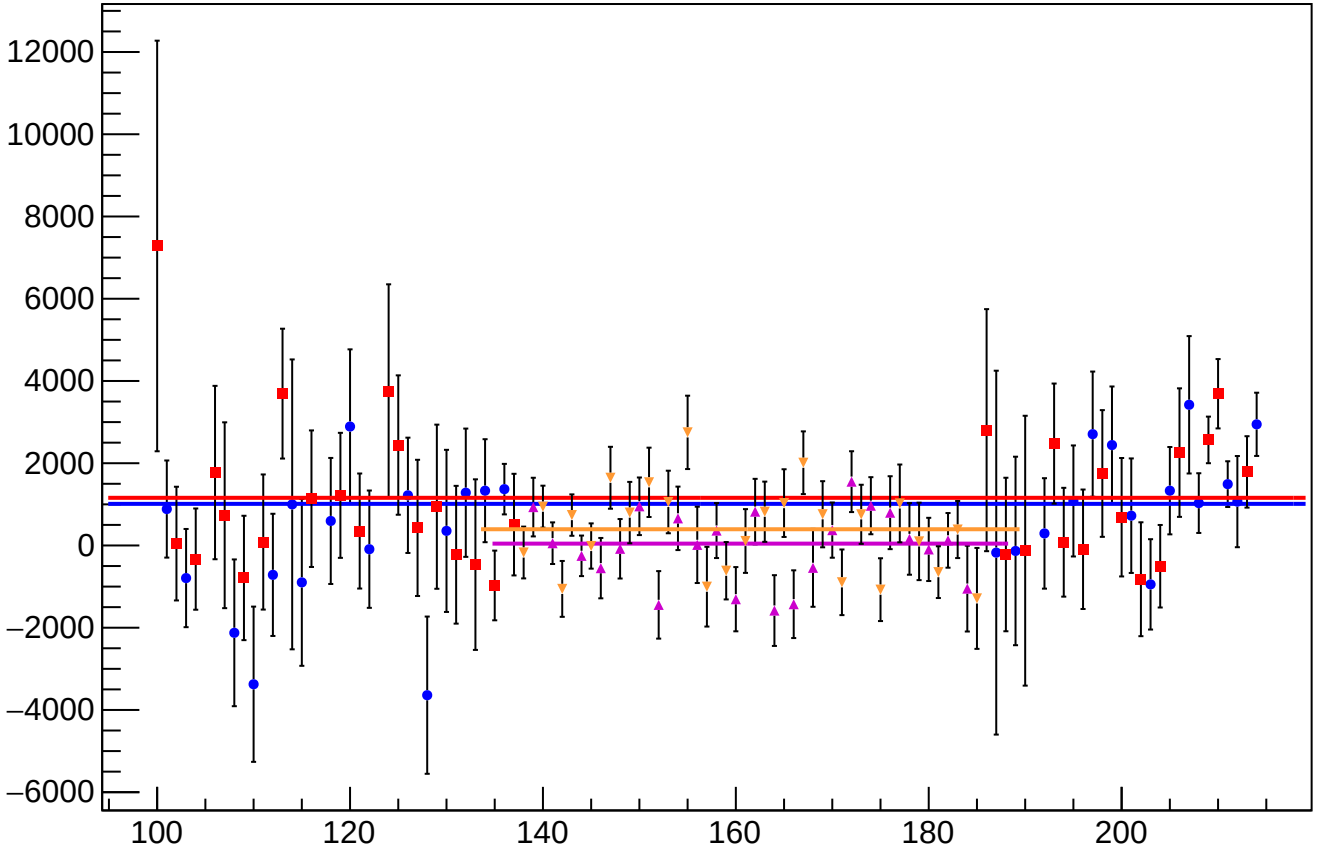
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.682+/-0.154 χ^2/NDF: 772216.7/54

All: 1330.020+/-0.109 χ^2/NDF: 941778.5/110

- sign 1331.380+/-0.155 χ^2/NDF: 169409.2/55

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1011.863+/-217.070 χ^2/NDF: 36.5/29

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1158.953+/-231.907 χ^2/NDF: 42.9/32

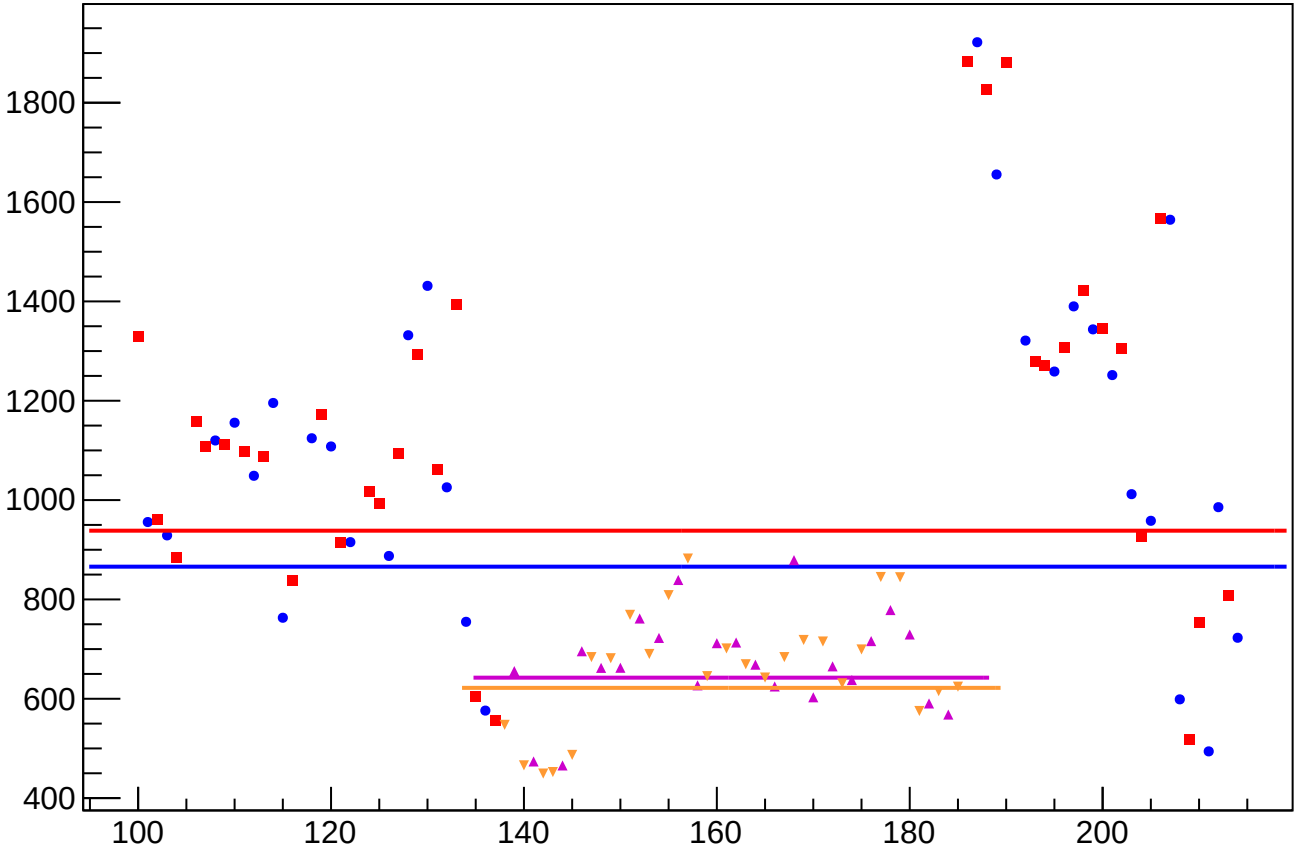
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 584.217+/-120.321 χ^2/NDF: 84.0/54

All: 488.166+/-87.450 χ^2/NDF: 171.9/110

- sign 380.614+/-127.321 χ^2/NDF: 86.6/55

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 865.952+/-0.153 χ^2/NDF: 4039685.8/29

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 938.388+/-0.164 χ^2/NDF: 4112340.8/32

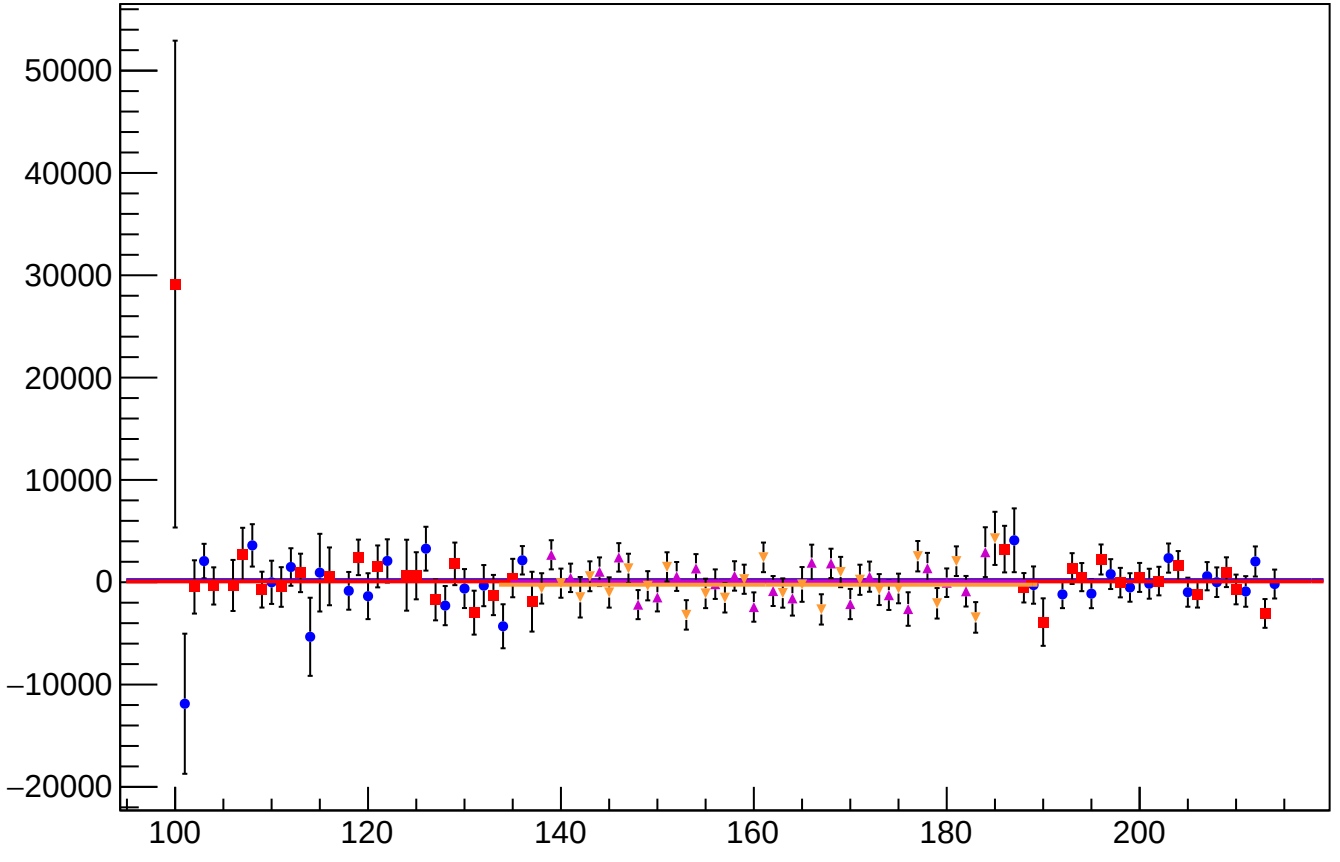
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 696.919+/-0.085 χ^2/NDF: 7173787.7/54

All: 713.311+/-0.062 χ^2/NDF: 14566034.0/11

- sign 731.666+/-0.090 χ^2/NDF: 7313558.7/55

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 202.268+/-315.618 χ^2/NDF: 30.9/29

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 86.675+/-311.898 χ^2/NDF: 25.8/32

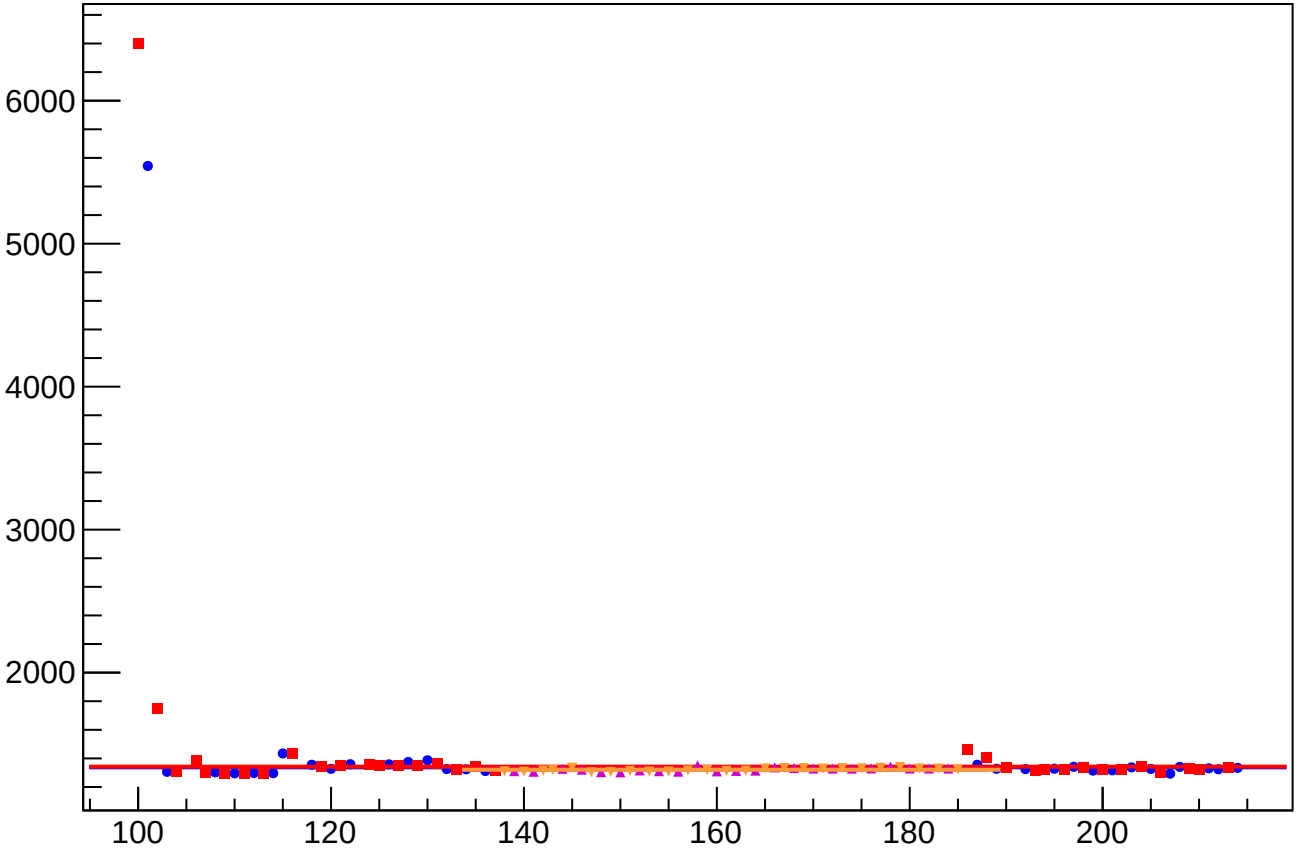
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -30.533+/-217.447 χ^2/NDF: 63.7/54

All: 15.663+/-154.436 χ^2/NDF: 116.6/110

- sign 62.684+/-219.378 χ^2/NDF: 52.9/55

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.472+/-0.223 χ^2/NDF: 766660.6/29

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.332+/-0.221 χ^2/NDF: 162442.2/32

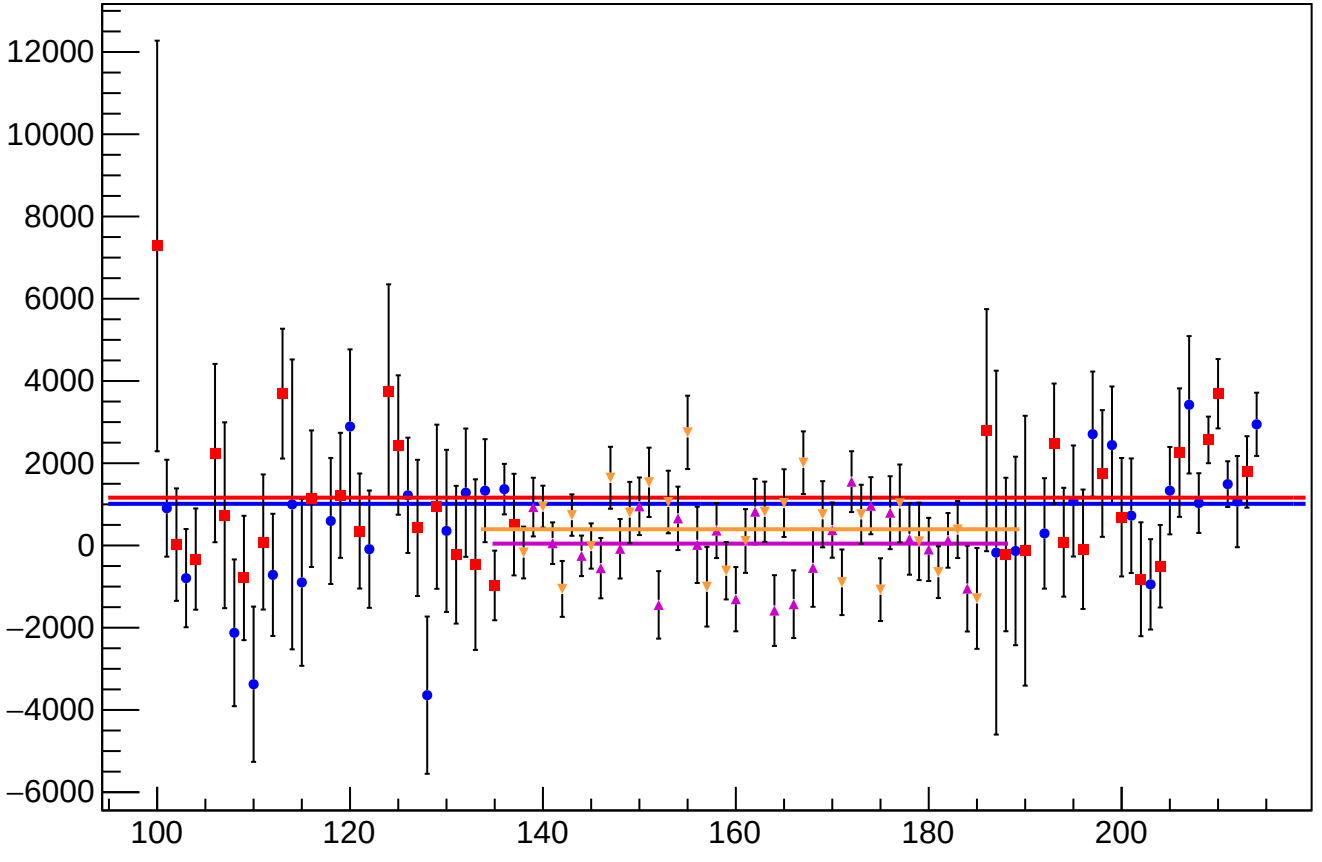
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.682+/-0.154 χ^2/NDF: 772215.7/54

All: 1330.301+/-0.109 χ^2/NDF: 942821.6/110

- sign 1331.949+/-0.155 χ^2/NDF: 170382.2/55

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1012.546+/-217.054 χ^2/NDF: 36.5/29

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1162.591+/-231.908 χ^2/NDF: 43.1/32

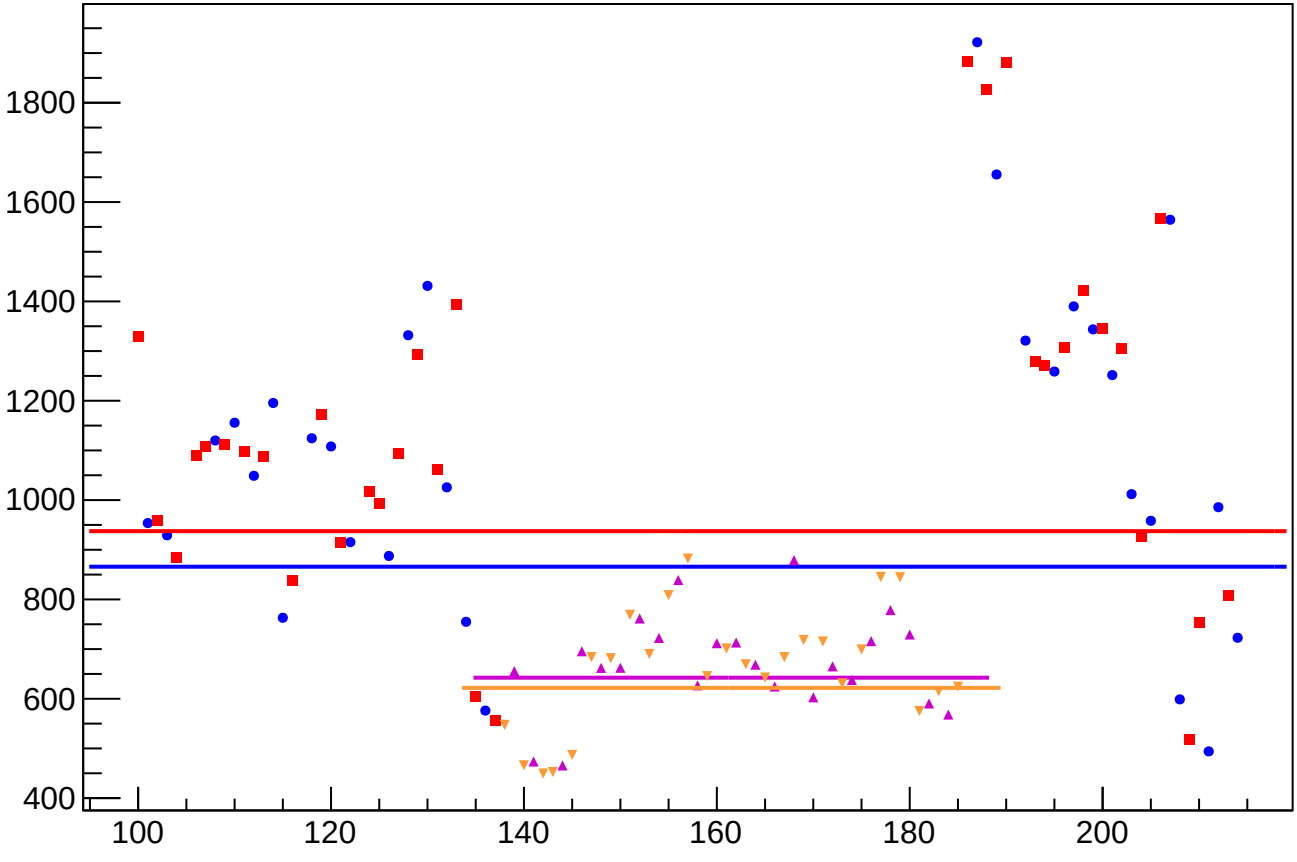
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 584.427+/-120.319 χ^2/NDF: 84.0/54

All: 488.790+/-87.449 χ^2/NDF: 172.2/110

- sign 381.698+/-127.321 χ^2/NDF: 86.9/55

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 865.894+/-0.153 χ^2/NDF: 4039327.3/29

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 937.437+/-0.164 χ^2/NDF: 4100522.0/32

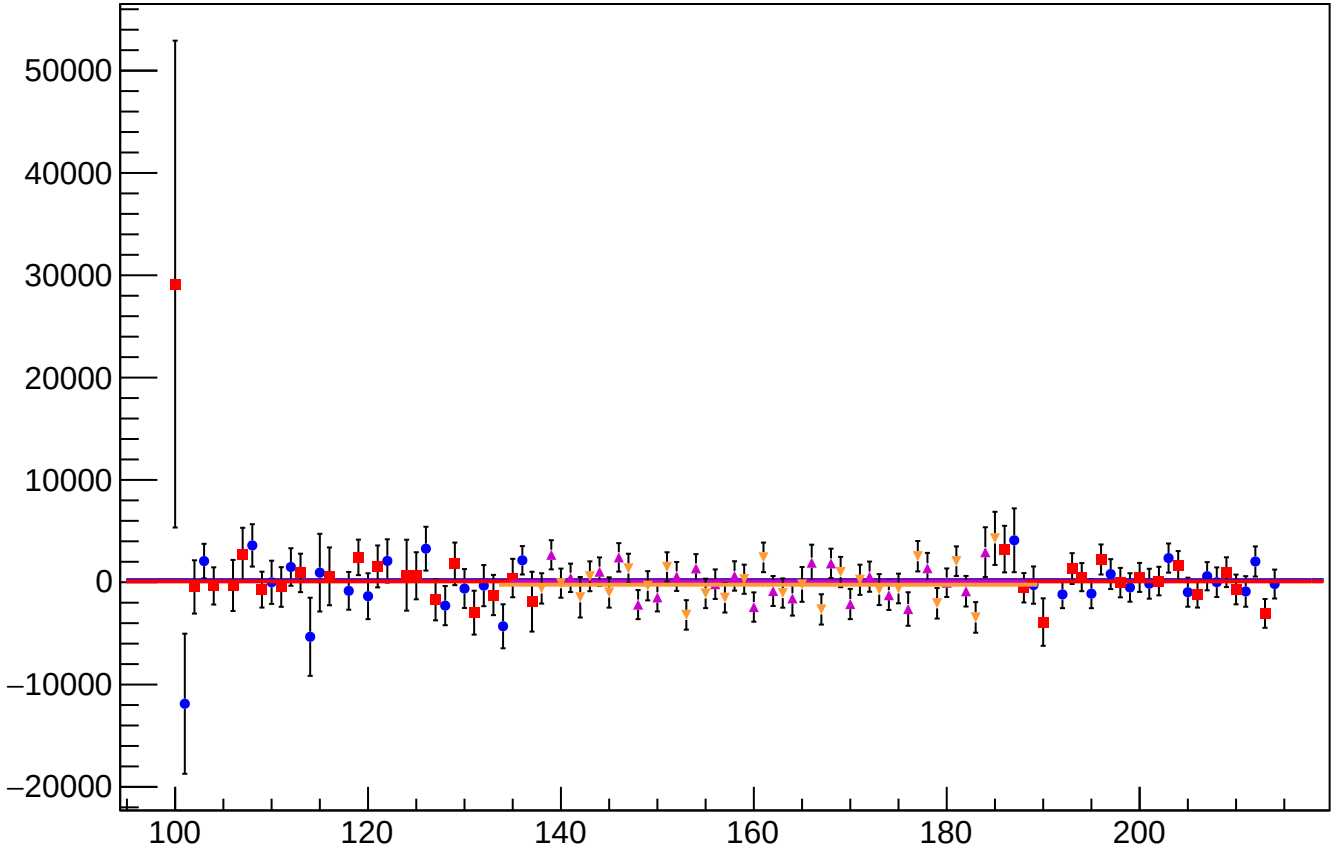
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 696.909+/-0.085 χ^2/NDF: 7172682.9/54

All: 713.168+/-0.062 χ^2/NDF: 14537358.1/11

- sign 731.375+/-0.090 χ^2/NDF: 7287254.3/55

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 202.268+/-315.618 χ^2/NDF: 30.9/29

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 86.675+/-311.898 χ^2/NDF: 25.8/32

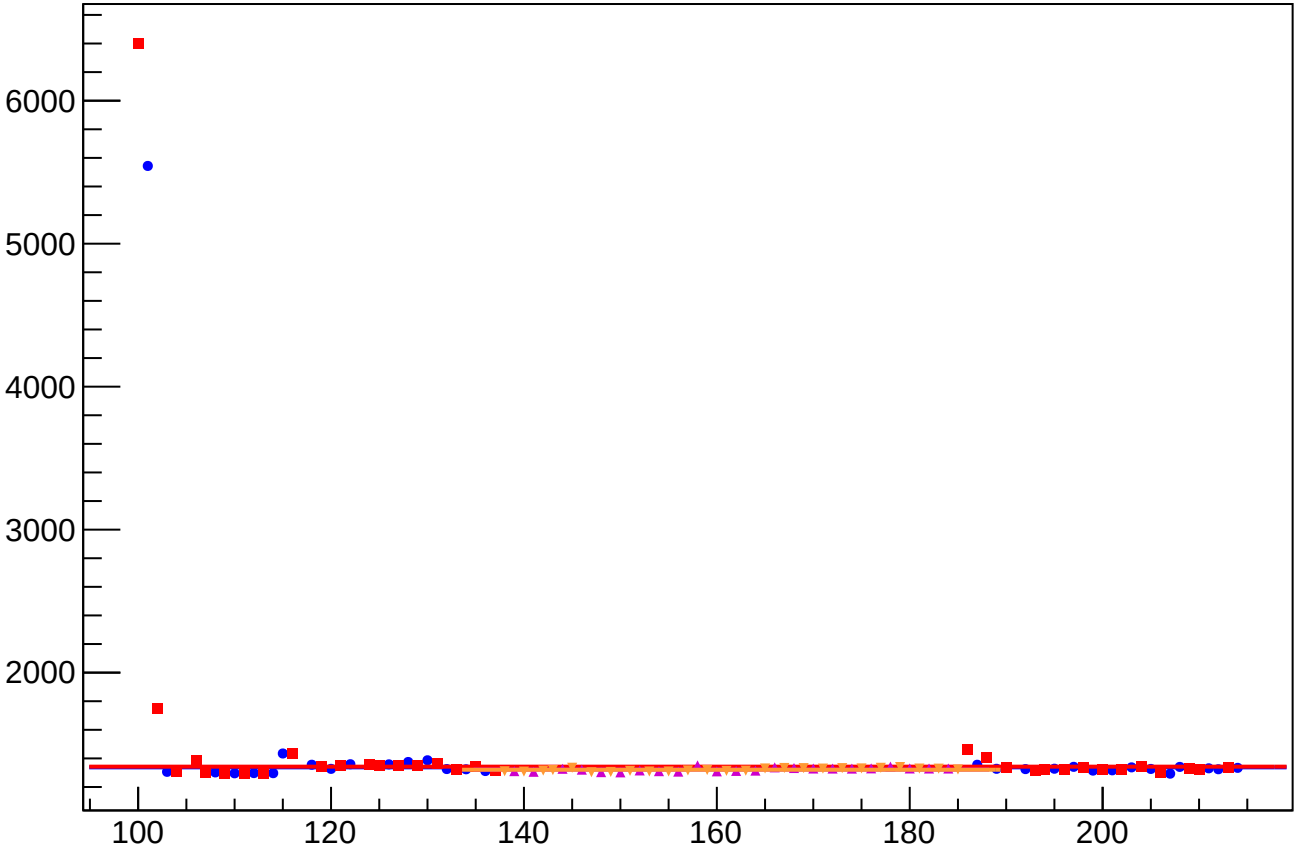
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -30.533+/-217.447 χ^2/NDF: 63.7/54

All: 15.663+/-154.436 χ^2/NDF: 116.6/110

- sign 62.684+/-219.378 χ^2/NDF: 52.9/55

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1337.472+/-0.223 χ^2/NDF: 766660.6/29

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.332+/-0.221 χ^2/NDF: 162442.2/32

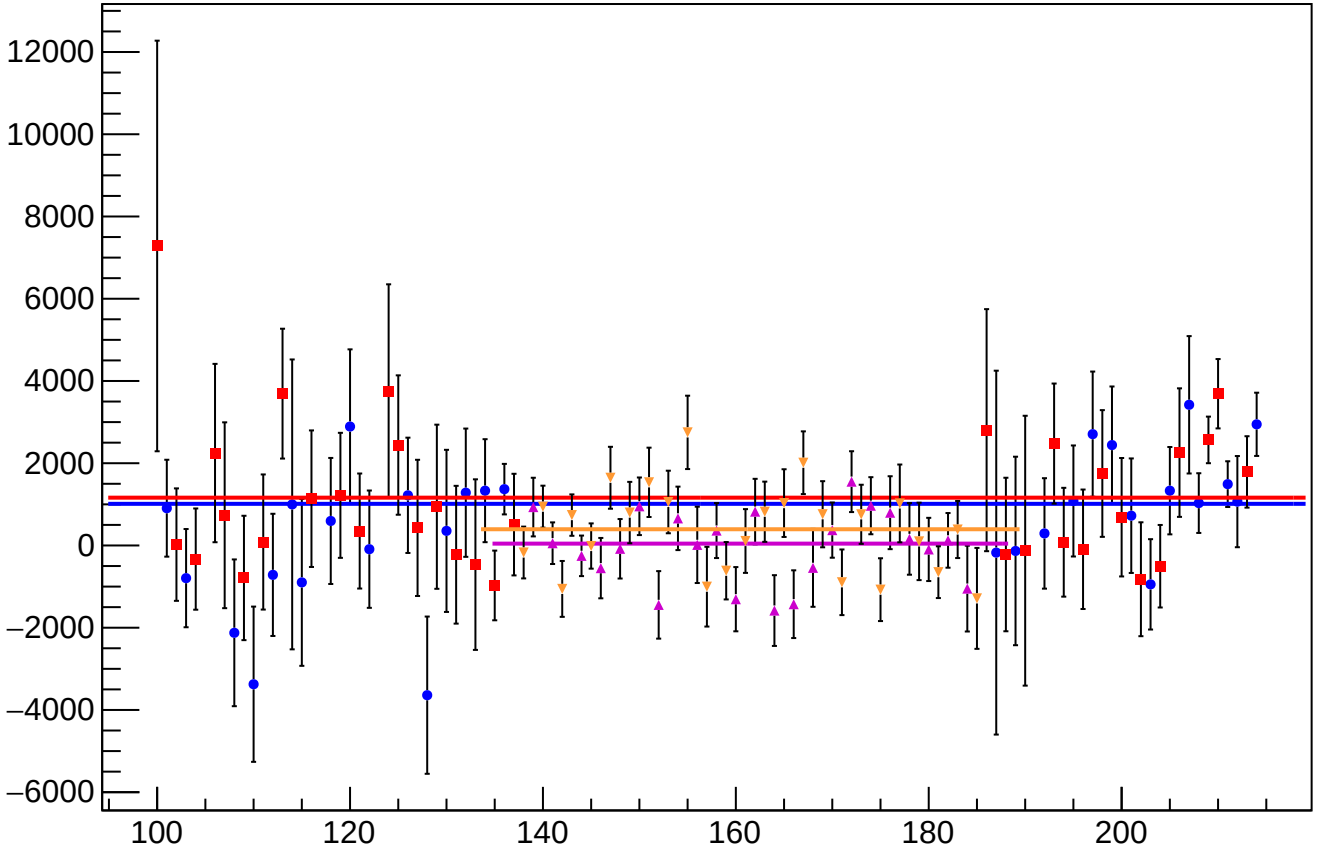
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.682+/-0.154 χ^2/NDF: 772215.7/54

All: 1330.301+/-0.109 χ^2/NDF: 942821.6/110

- sign 1331.949+/-0.155 χ^2/NDF: 170382.2/55

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug



Right In: 1012.546+/-217.054 χ^2/NDF: 36.5/29

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

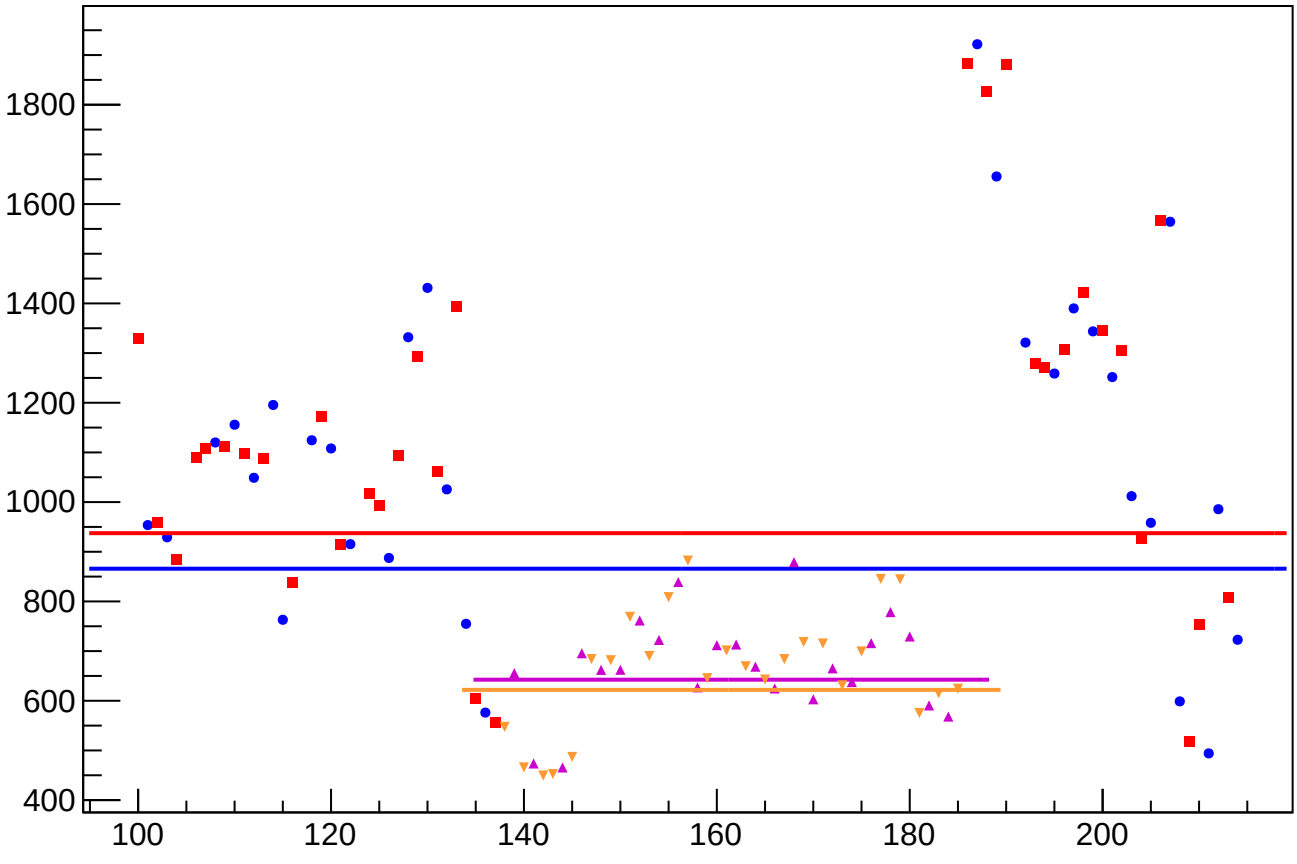
Right Out: 1162.591+/-231.908 χ^2/NDF: 43.1/32

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 584.427+/-120.319 χ^2/NDF: 84.0/54

All: 488.790+/-87.449 χ^2/NDF: 172.2/110

- sign 381.698+/-127.321 χ^2/NDF: 86.9/55



Right In: 865.894+/-0.153 χ^2/NDF: 4039327.3/29

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 937.437+/-0.164 χ^2/NDF: 4100522.0/32

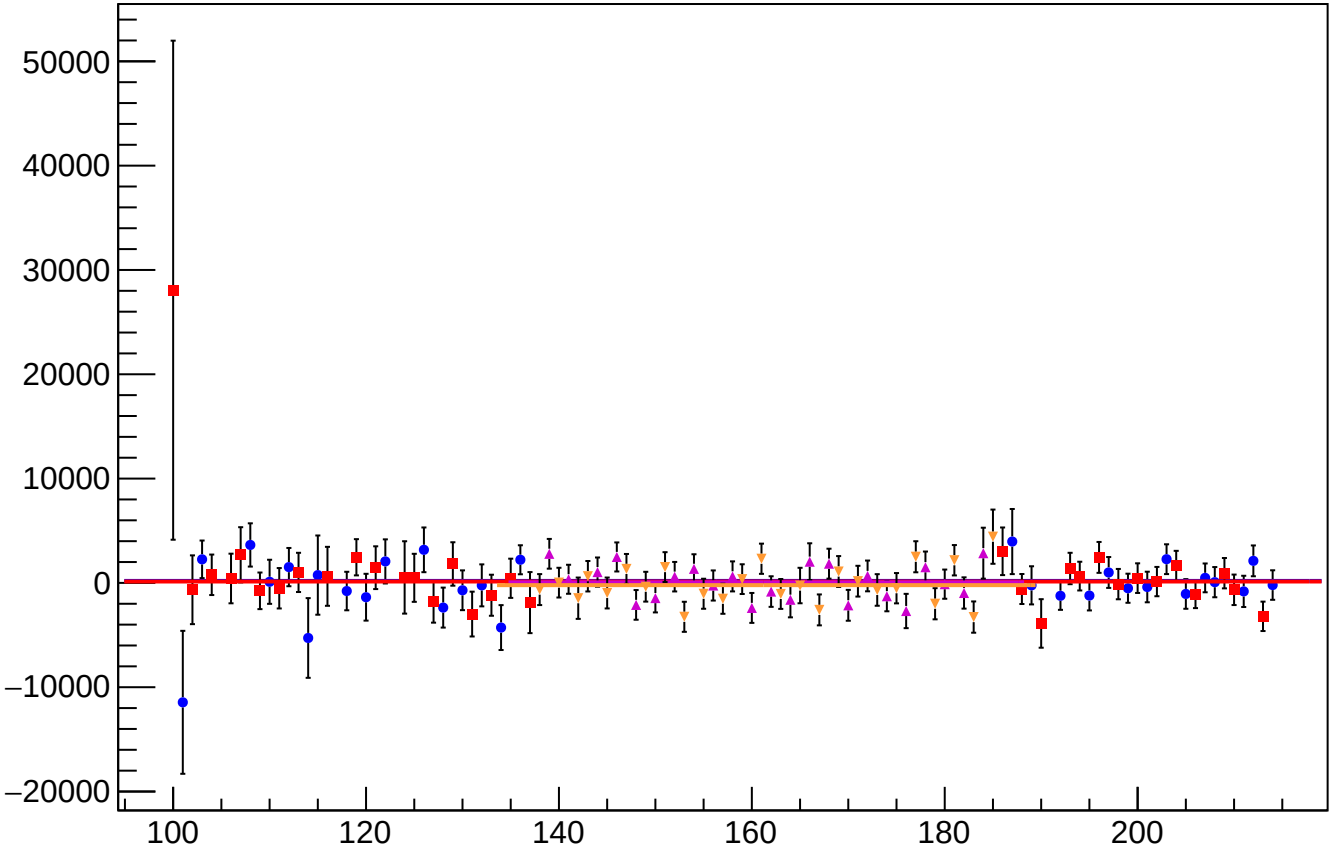
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 696.909+/-0.085 χ^2/NDF: 7172682.9/54

All: 713.168+/-0.062 χ^2/NDF: 14537358.1/11

- sign 731.375+/-0.090 χ^2/NDF: 7287254.3/55

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 188.967+/-316.967 χ^2/NDF: 31.0/29

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 134.709+/-313.875 χ^2/NDF: 26.4/32

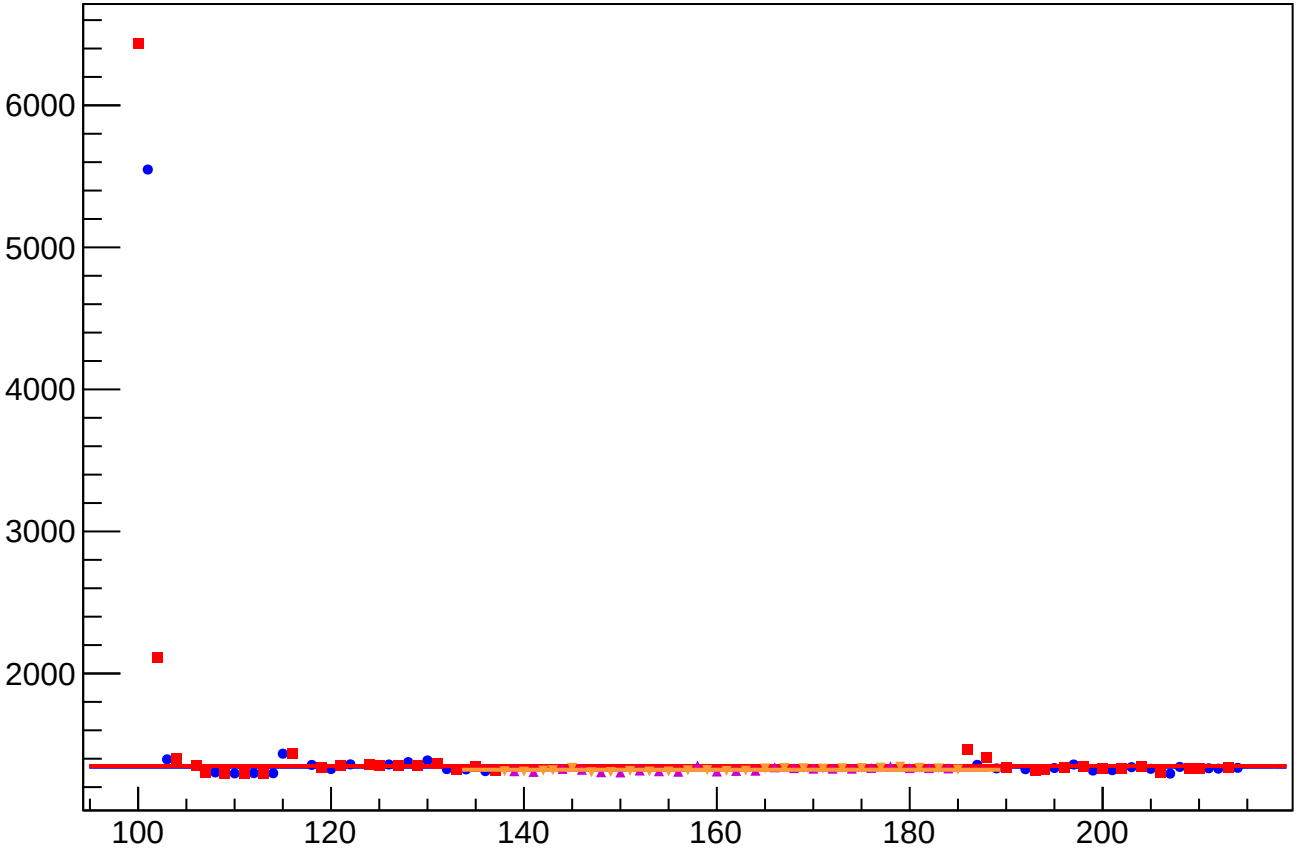
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -23.881+/-218.029 χ^2/NDF: 63.2/54

All: 33.395+/-154.930 χ^2/NDF: 117.6/110

- sign 91.814+/-220.194 χ^2/NDF: 54.3/55

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.149+/-0.224 χ^2/NDF: 767500.9/29

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1348.584+/-0.222 χ^2/NDF: 220432.7/32

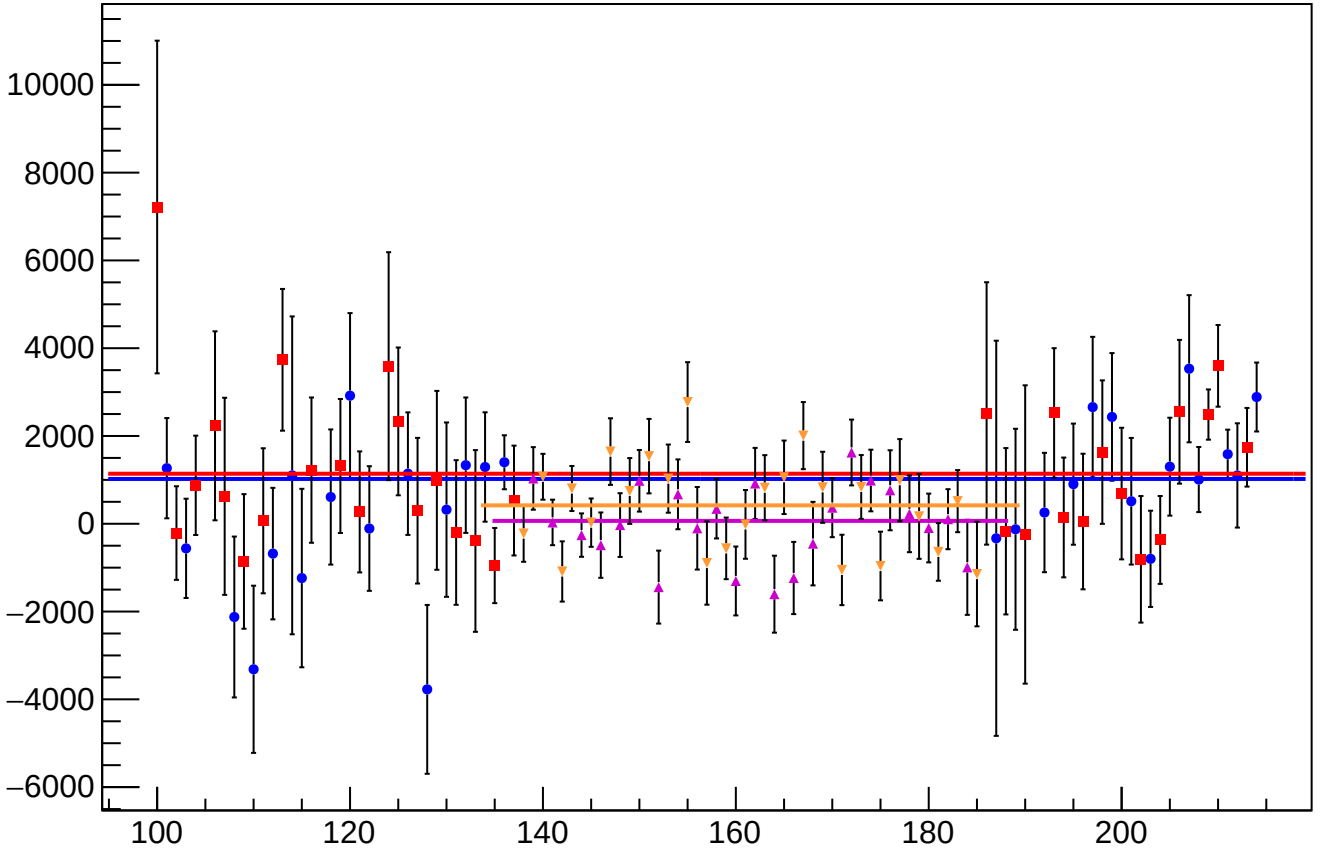
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.201+/-0.154 χ^2/NDF: 774961.8/54

All: 1333.964+/-0.110 χ^2/NDF: 1006086.5/11

- sign 1335.763+/-0.156 χ^2/NDF: 230860.5/55

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1020.930+/-219.161 χ^2/NDF: 35.7/29

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1139.904+/-233.343 χ^2/NDF: 39.5/32

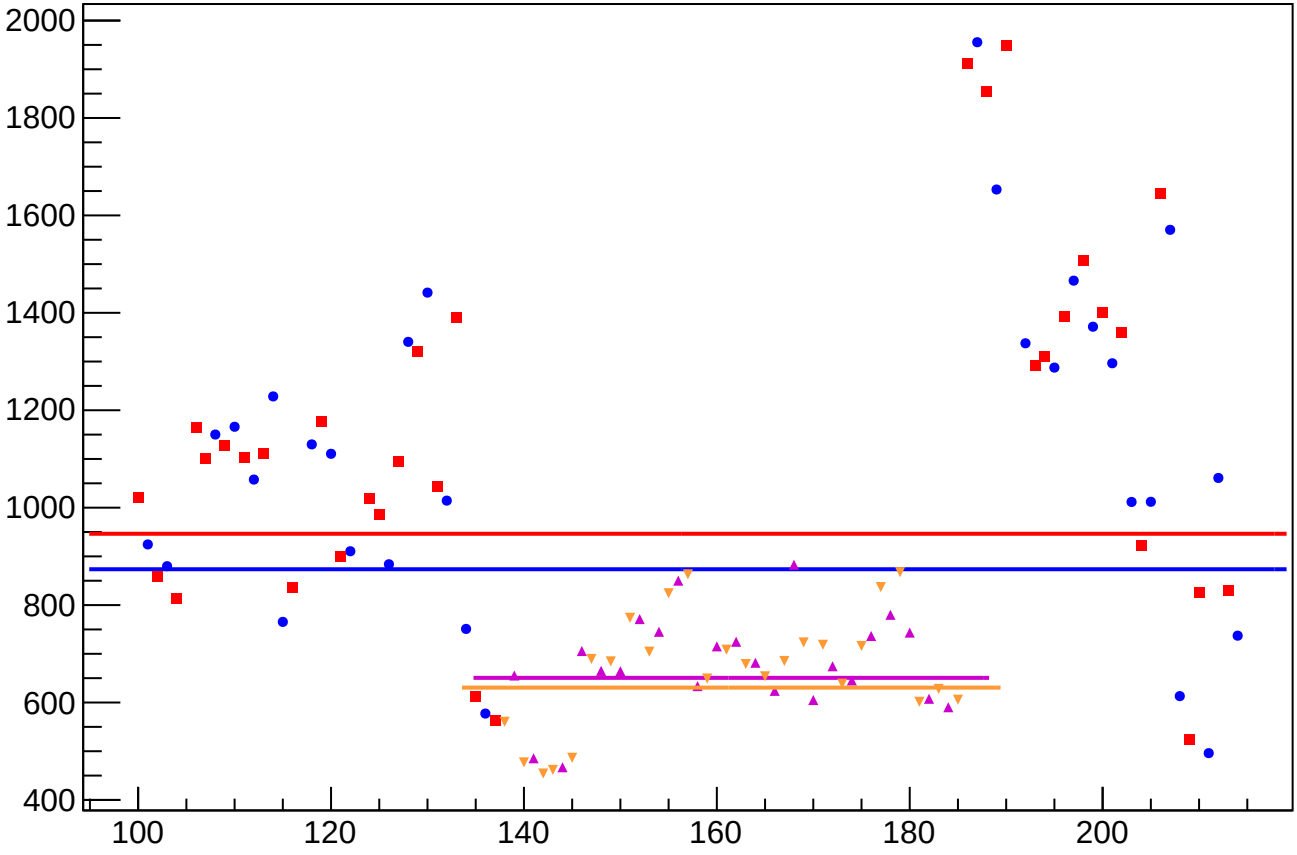
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 605.407+/-121.758 χ^2/NDF: 82.4/54

All: 504.621+/-88.436 χ^2/NDF: 165.2/110

- sign 392.081+/-128.662 χ^2/NDF: 81.3/55

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 873.589+/-0.155 χ^2/NDF: 4139164.3/29

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 946.449+/-0.165 χ^2/NDF: 4244041.1/32

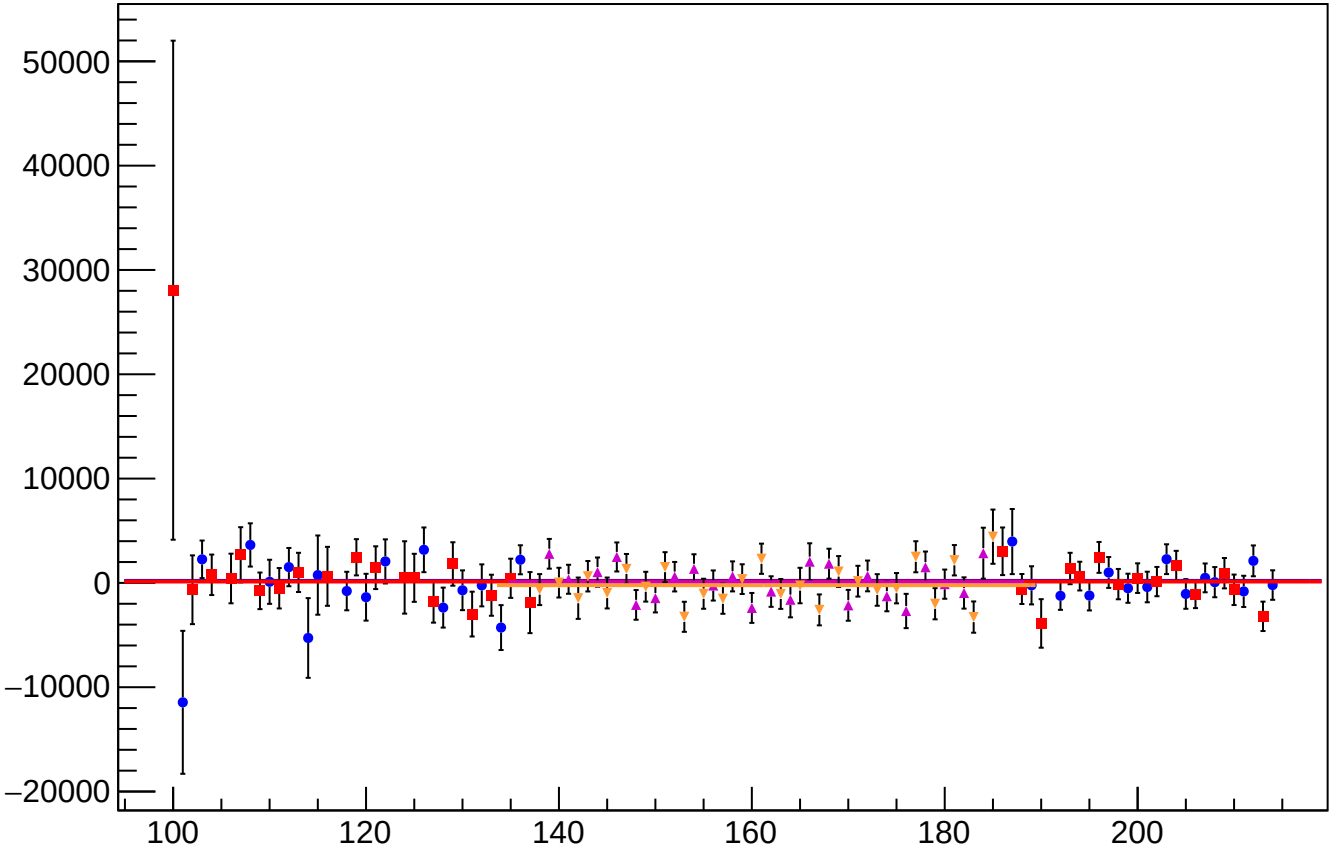
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 705.593+/-0.086 χ^2/NDF: 7167578.5/54

All: 722.118+/-0.063 χ^2/NDF: 14648690.5/11

- sign 740.571+/-0.091 χ^2/NDF: 7403129.0/55

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 188.968+/-316.967 χ^2/NDF: 31.0/29

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 134.708+/-313.875 χ^2/NDF: 26.4/32

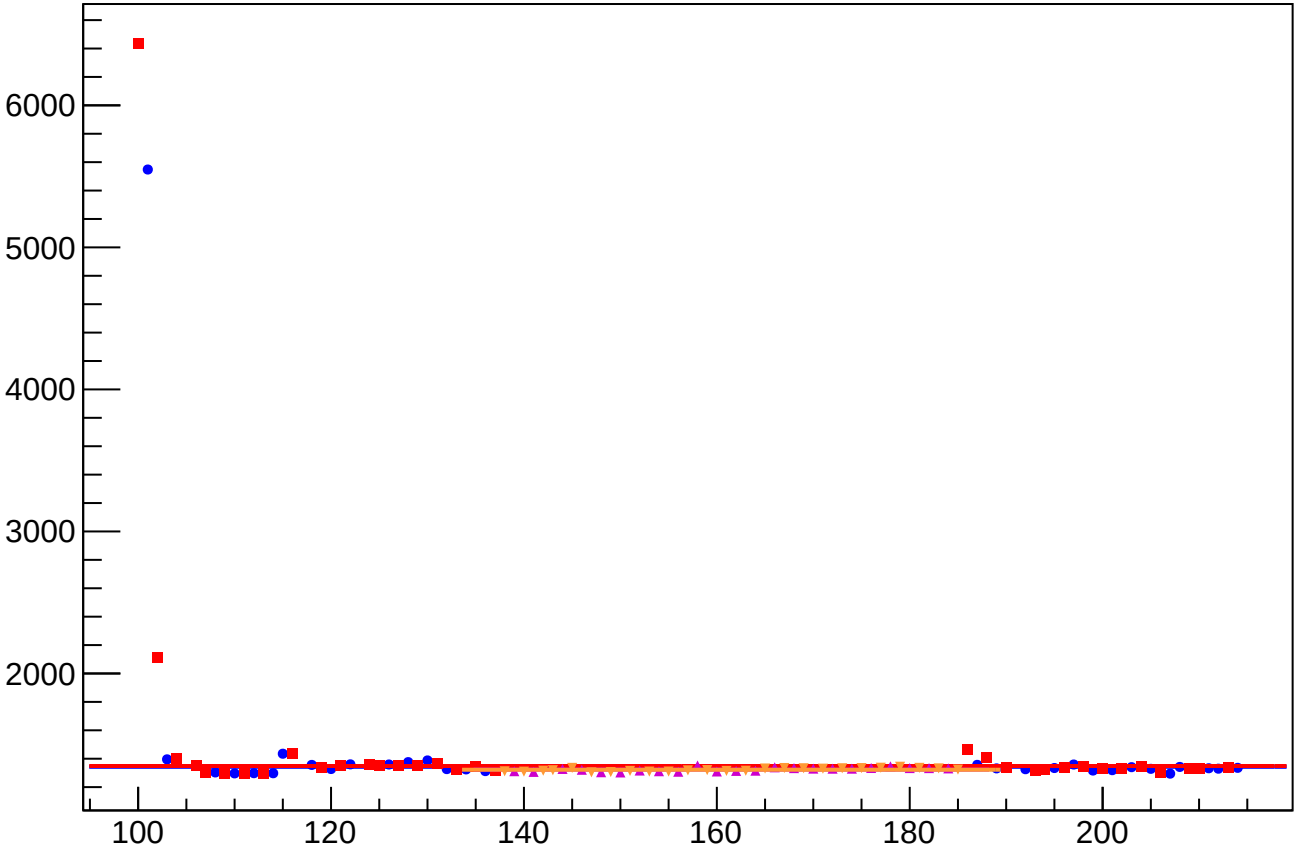
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -23.881+/-218.029 χ^2/NDF: 63.2/54

All: 33.394+/-154.930 χ^2/NDF: 117.6/110

- sign 91.813+/-220.194 χ^2/NDF: 54.3/55

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1343.149+/-0.224 χ^2/NDF: 767500.9/29

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

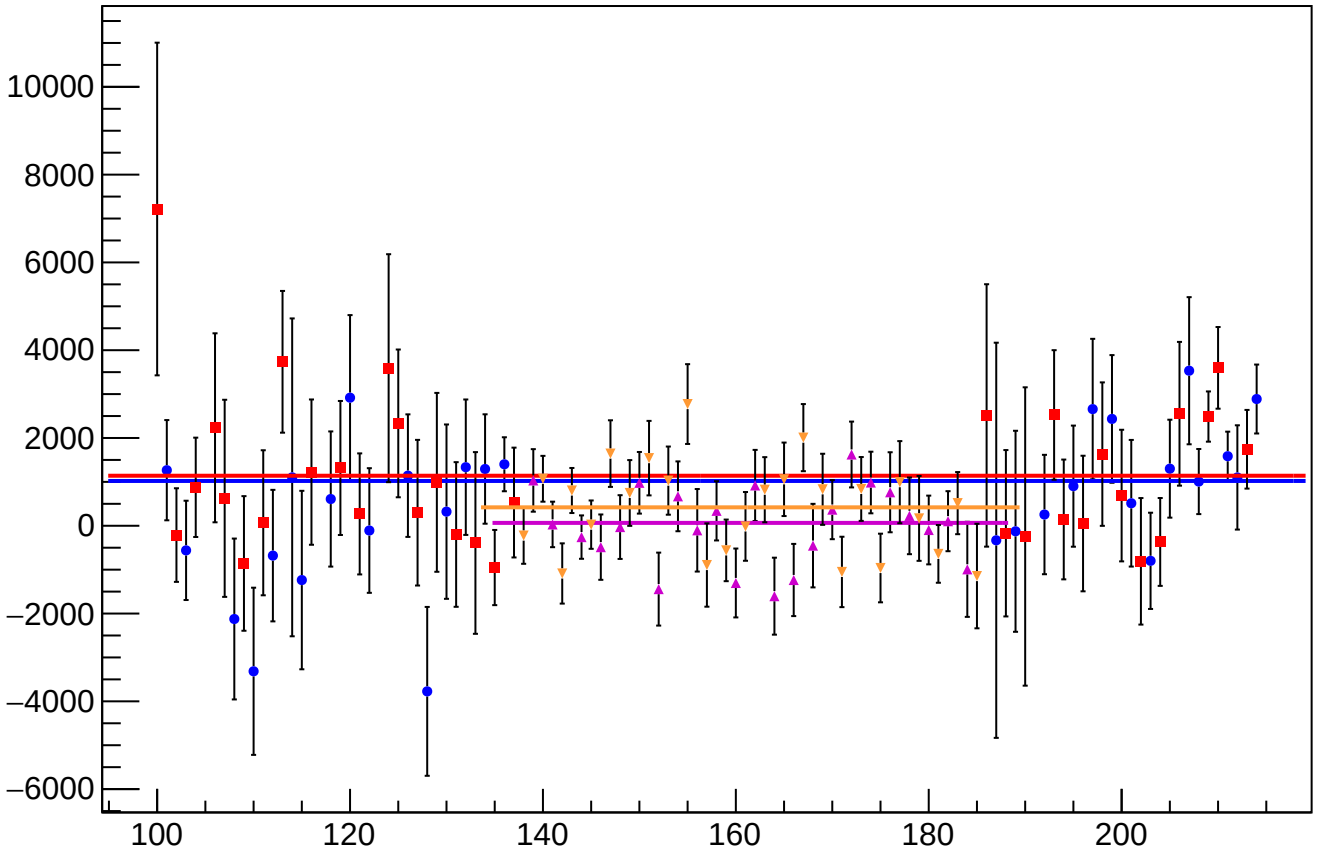
Right Out: 1348.584+/-0.222 χ^2/NDF: 220432.6/32

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.201+/-0.154 χ^2/NDF: 774961.8/54

All: 1333.964+/-0.110 χ^2/NDF: 1006086.4/11

- sign 1335.763+/-0.156 χ^2/NDF: 230860.4/55



Right In: 1020.927+/-219.161 χ^2/NDF: 35.7/29

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1139.904+/-233.342 χ^2/NDF: 39.5/32

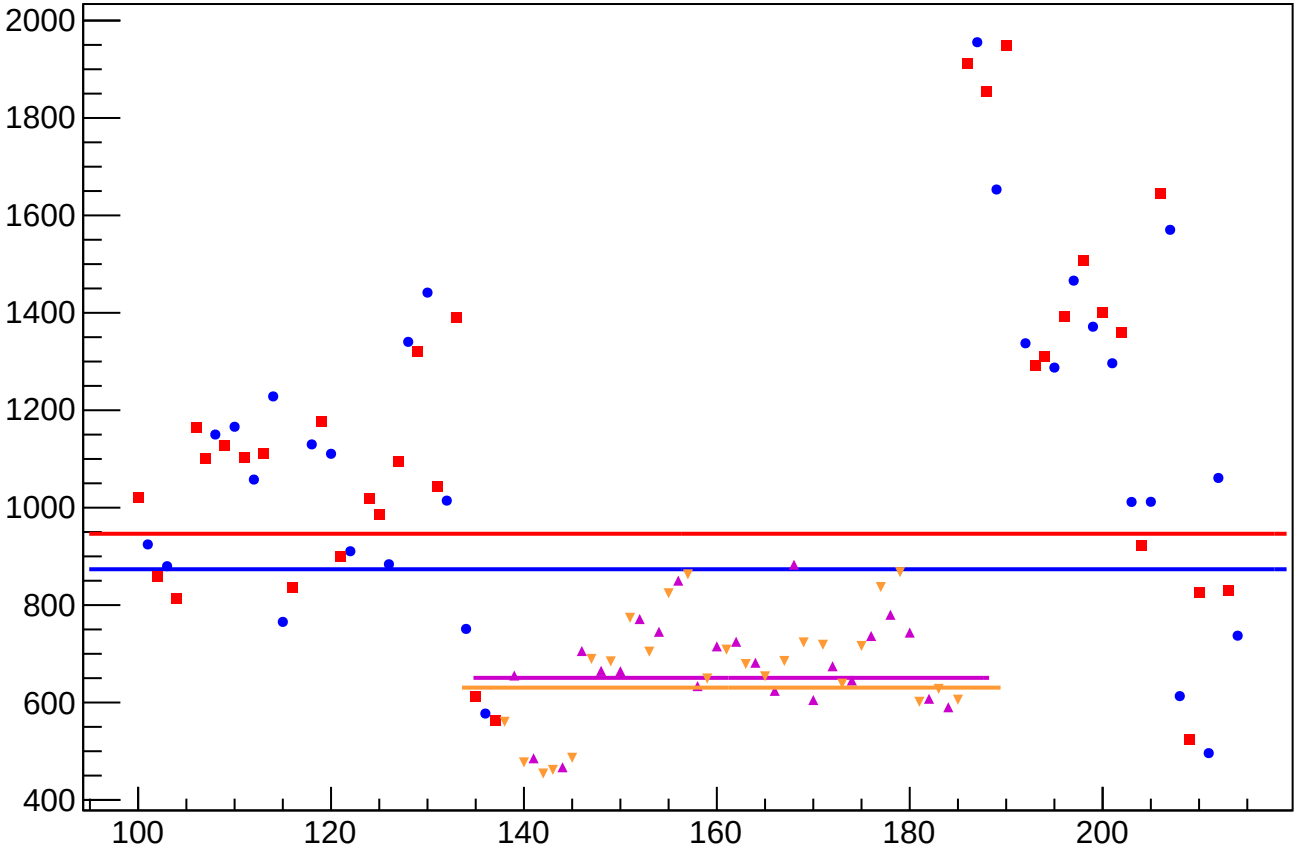
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

\+ sign 605.406+/-121.758 χ^2/NDF: 82.4/54

All: 504.621+/-88.436 χ^2/NDF: 165.2/110

\- sign 392.082+/-128.662 χ^2/NDF: 81.3/55

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 873.589+/-0.155 χ^2/NDF: 4139158.0/29

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 946.447+/-0.165 χ^2/NDF: 4244067.7/32

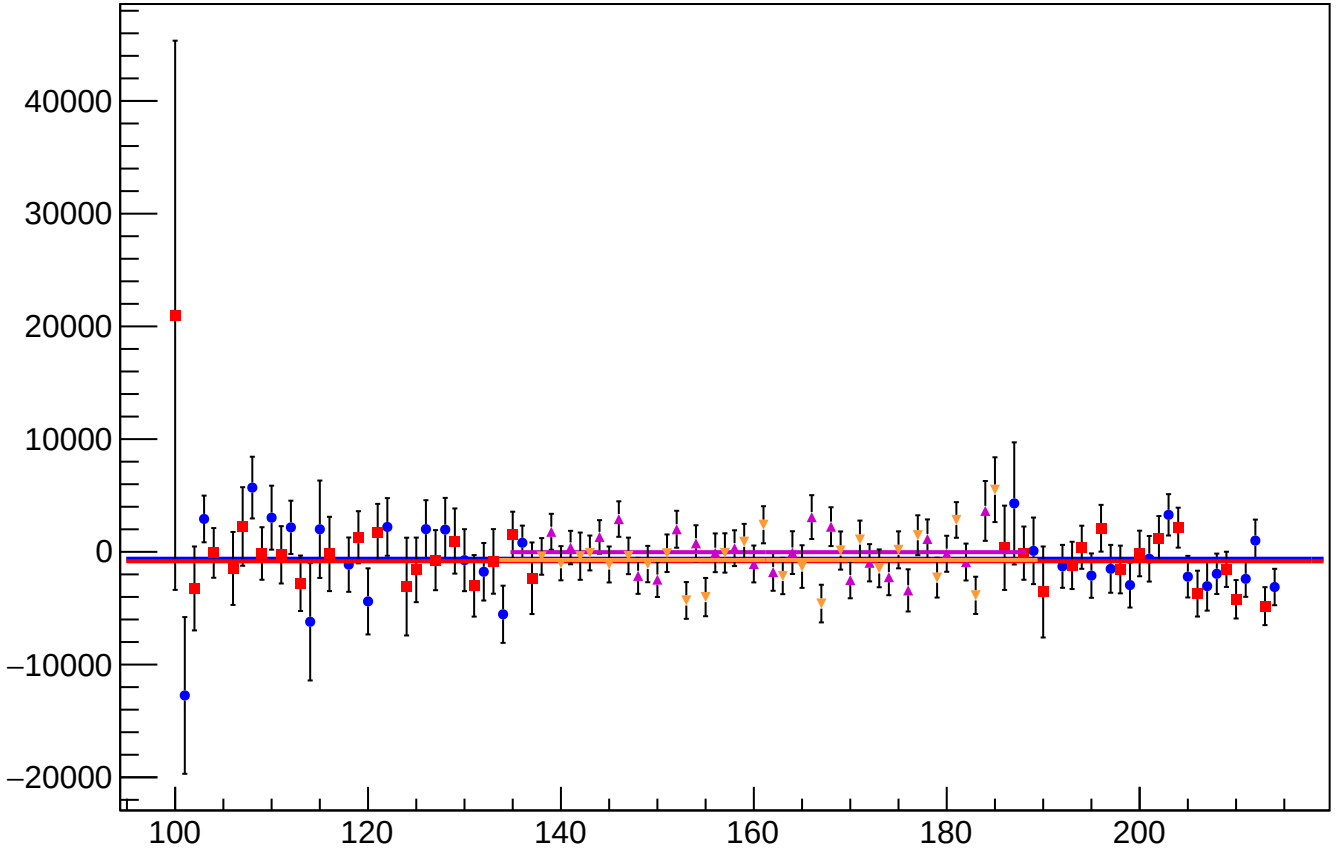
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 705.593+/-0.086 χ^2/NDF: 7167576.6/54

All: 722.119+/-0.063 χ^2/NDF: 14648680.1/11

- sign 740.572+/-0.091 χ^2/NDF: 7403119.8/55

asym_usr_atr1_dd_mean vs Slug



Right In: -607.829+/-409.902 χ^2/NDF: 40.1/29

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -835.238+/-412.974 χ^2/NDF: 26.7/32

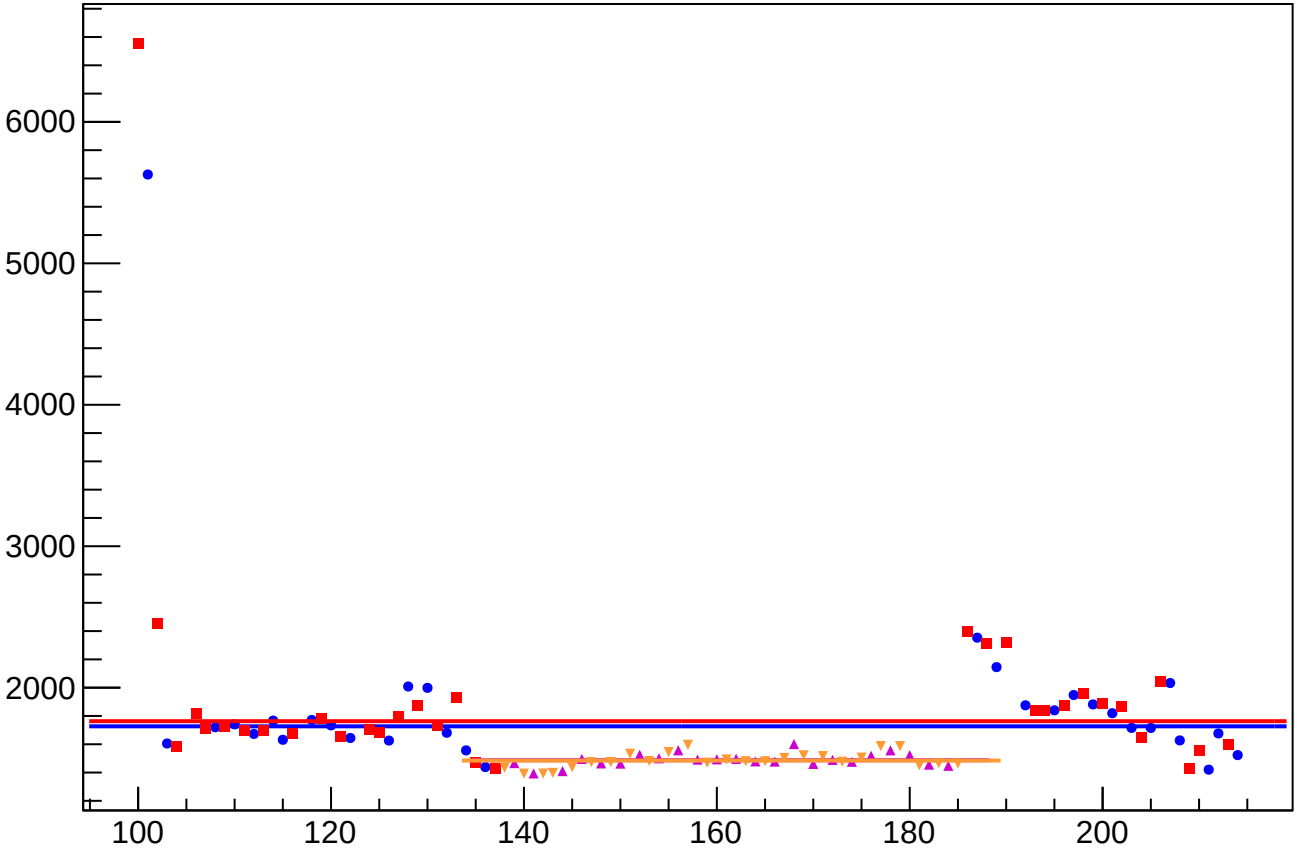
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -673.649+/-260.583 χ^2/NDF: 77.9/54

All: -521.067+/-186.095 χ^2/NDF: 135.5/110

- sign -362.250+/-265.853 χ^2/NDF: 56.9/55

asym_usr_atr1_dd_rms vs Slug



Right In: 1726.737+/-0.290 χ^2/NDF: 1042432.9/29

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

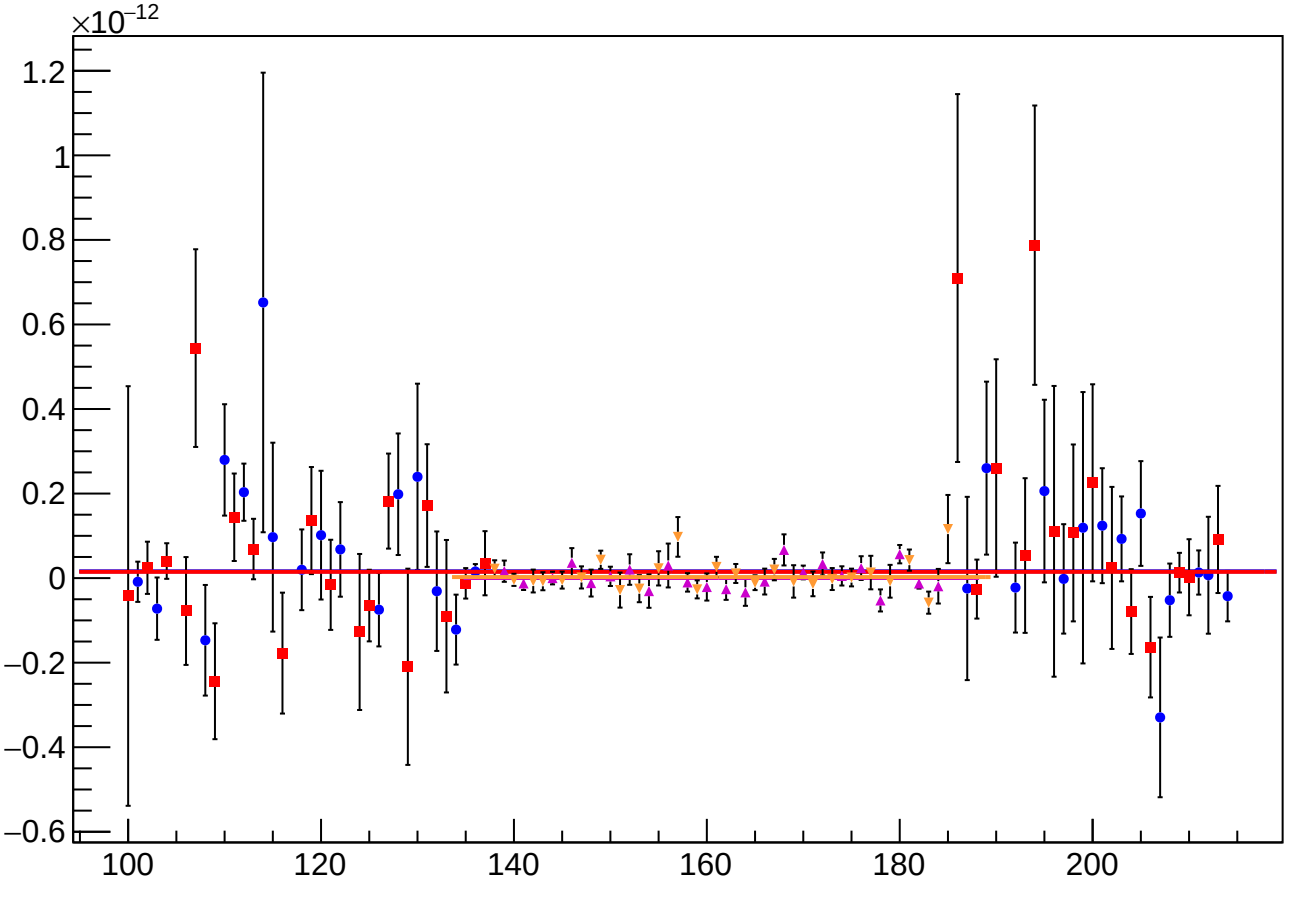
Right Out: 1763.038+/-0.292 χ^2/NDF: 675500.7/32

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.672+/-0.184 χ^2/NDF: 1507951.3/54

All: 1591.878+/-0.132 χ^2/NDF: 2746191.9/11

- sign 1601.461+/-0.188 χ^2/NDF: 1233145.5/55



Right In: 0.000+/-0.000 χ^2/NDF: 33.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/32

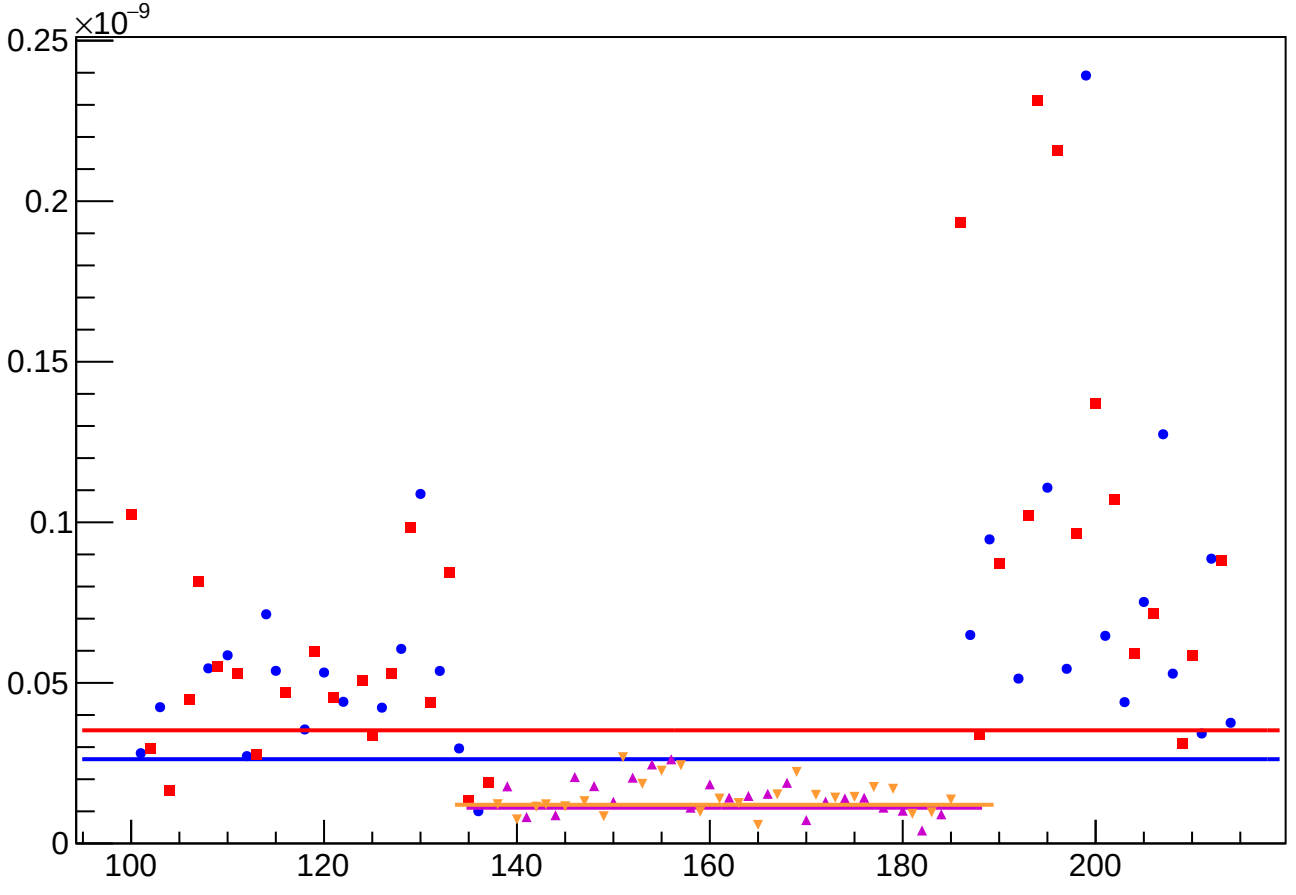
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/54

All: 0.000+/-0.000 χ^2/NDF: 121.0/110

- sign 0.000+/-0.000 χ^2/NDF: 60.9/55

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6230329.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

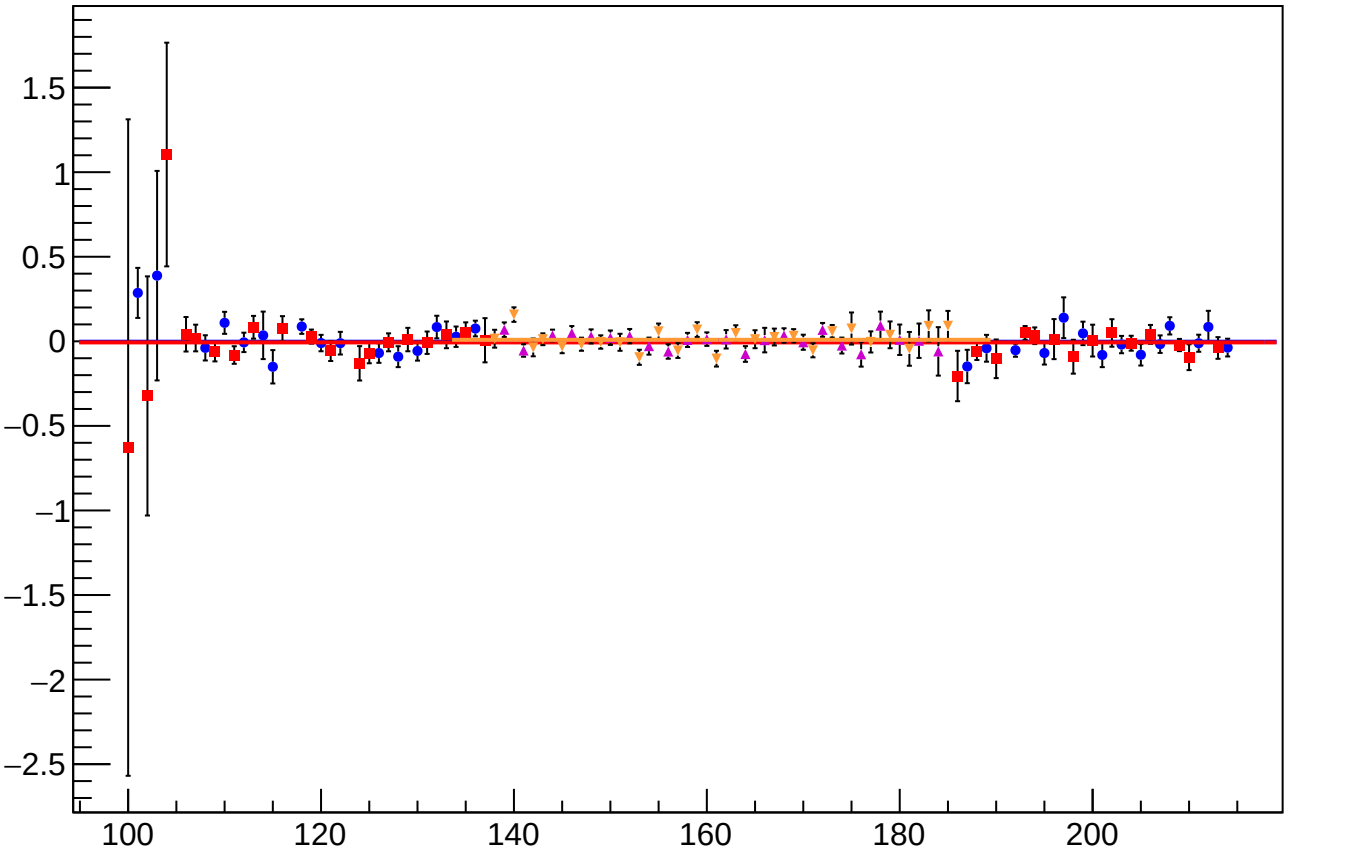
Right Out: 0.000+/-0.000 χ^2/NDF: 5480476.7/32

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9899582.3/54

All: 0.000+/-0.000 χ^2/NDF: 21760302.5/110

- sign 0.000+/-0.000 χ^2/NDF: 11833424.9/55



Right In: -0.002+/-0.011 χ^2/NDF: 37.6/29

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.006+/-0.011 χ^2/NDF: 24.8/32

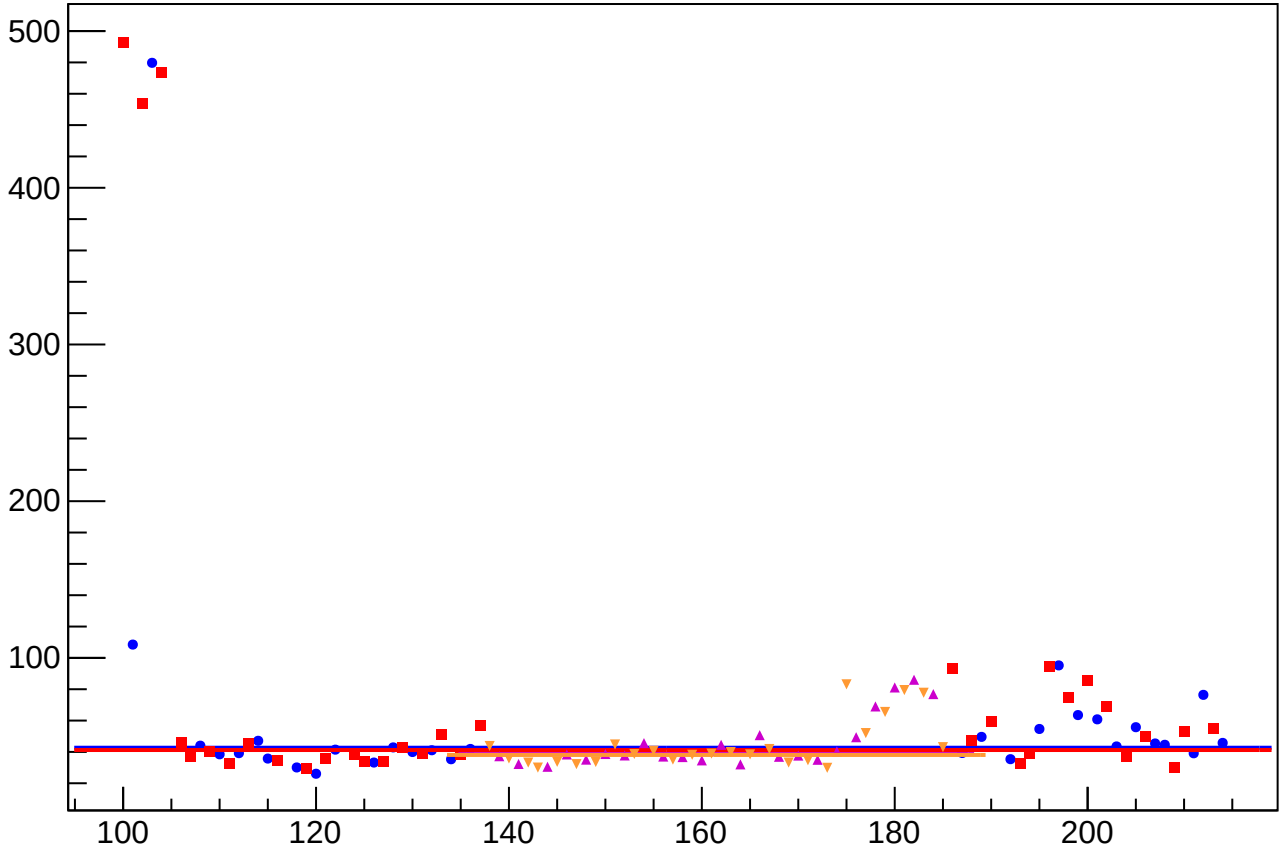
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.004+/-0.007 χ^2/NDF: 76.8/54

All: 0.003+/-0.005 χ^2/NDF: 121.4/110

- sign 0.002+/-0.007 χ^2/NDF: 44.6/55

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.671+/-0.008 χ^2/NDF: 3114483.7/29

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

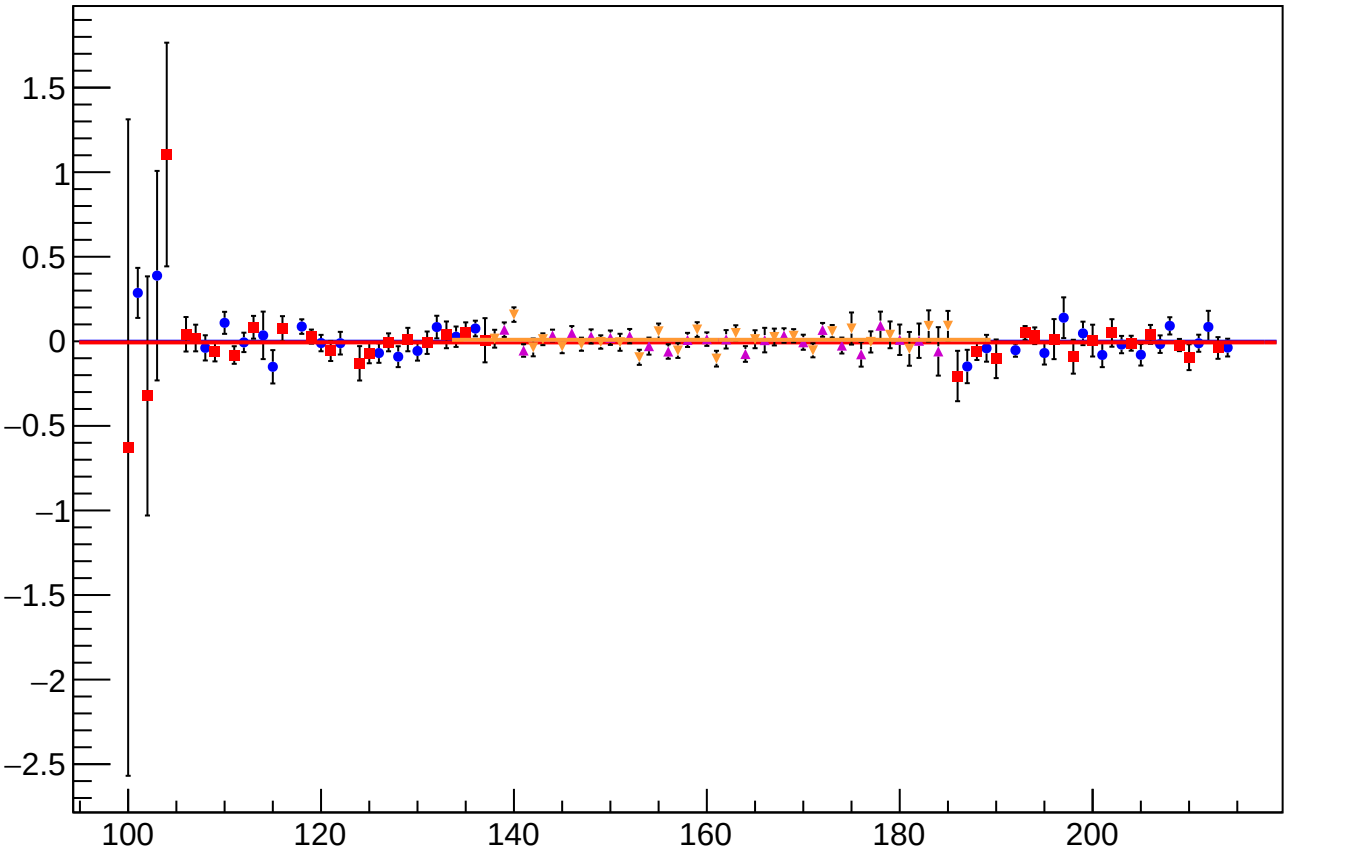
Right Out: 41.208+/-0.008 χ^2/NDF: 4181435.6/32

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

+ sign 39.986+/-0.005 χ^2/NDF: 5274513.7/54

All: 39.872+/-0.004 χ^2/NDF: 11243583.9/110

- sign 39.754+/-0.005 χ^2/NDF: 5968085.6/55



Right In: -0.002+/-0.011 χ^2/NDF: 37.6/29

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.006+/-0.011 χ^2/NDF: 24.8/32

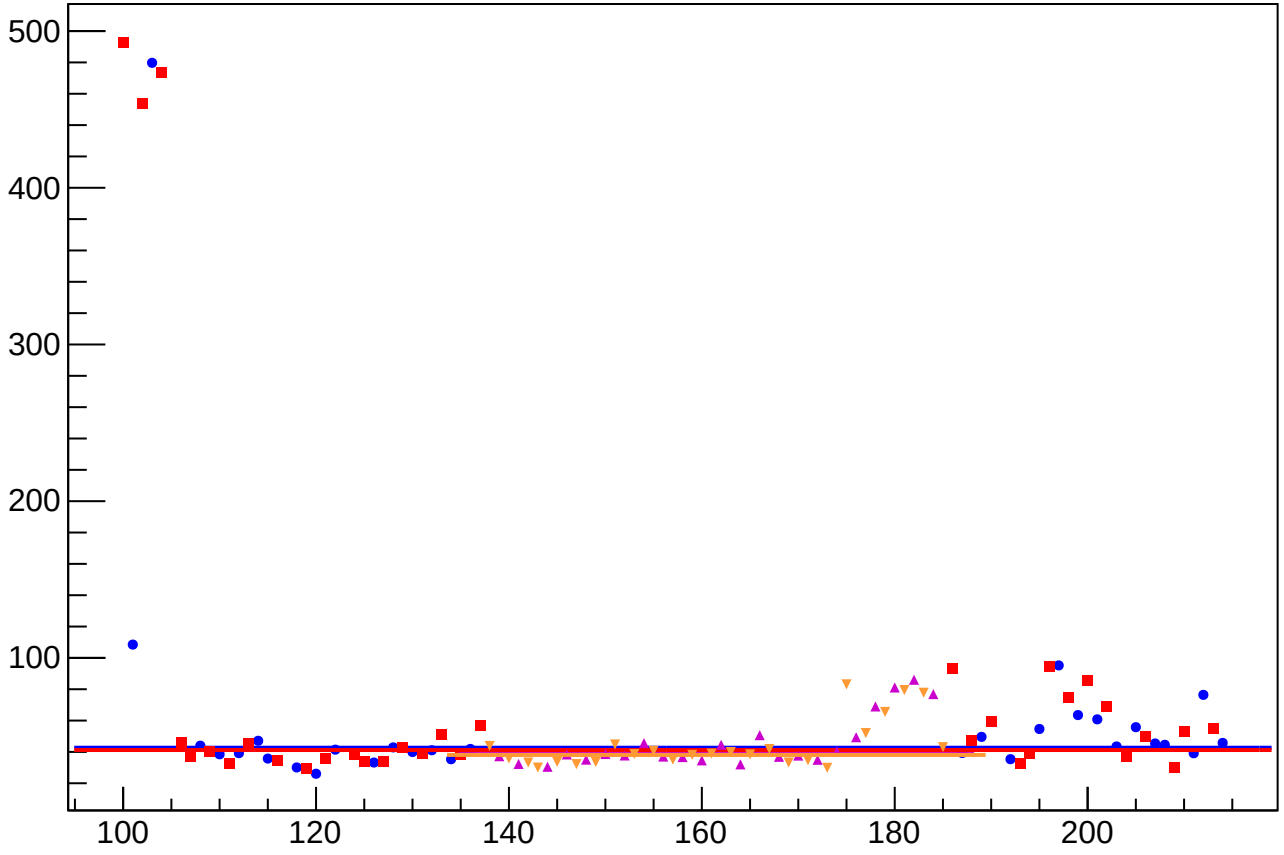
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.004+/-0.007 χ^2/NDF: 76.8/54

All: 0.003+/-0.005 χ^2/NDF: 121.4/110

- sign 0.002+/-0.007 χ^2/NDF: 44.6/55

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.671+/-0.008 χ^2/NDF: 3114483.7/29

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

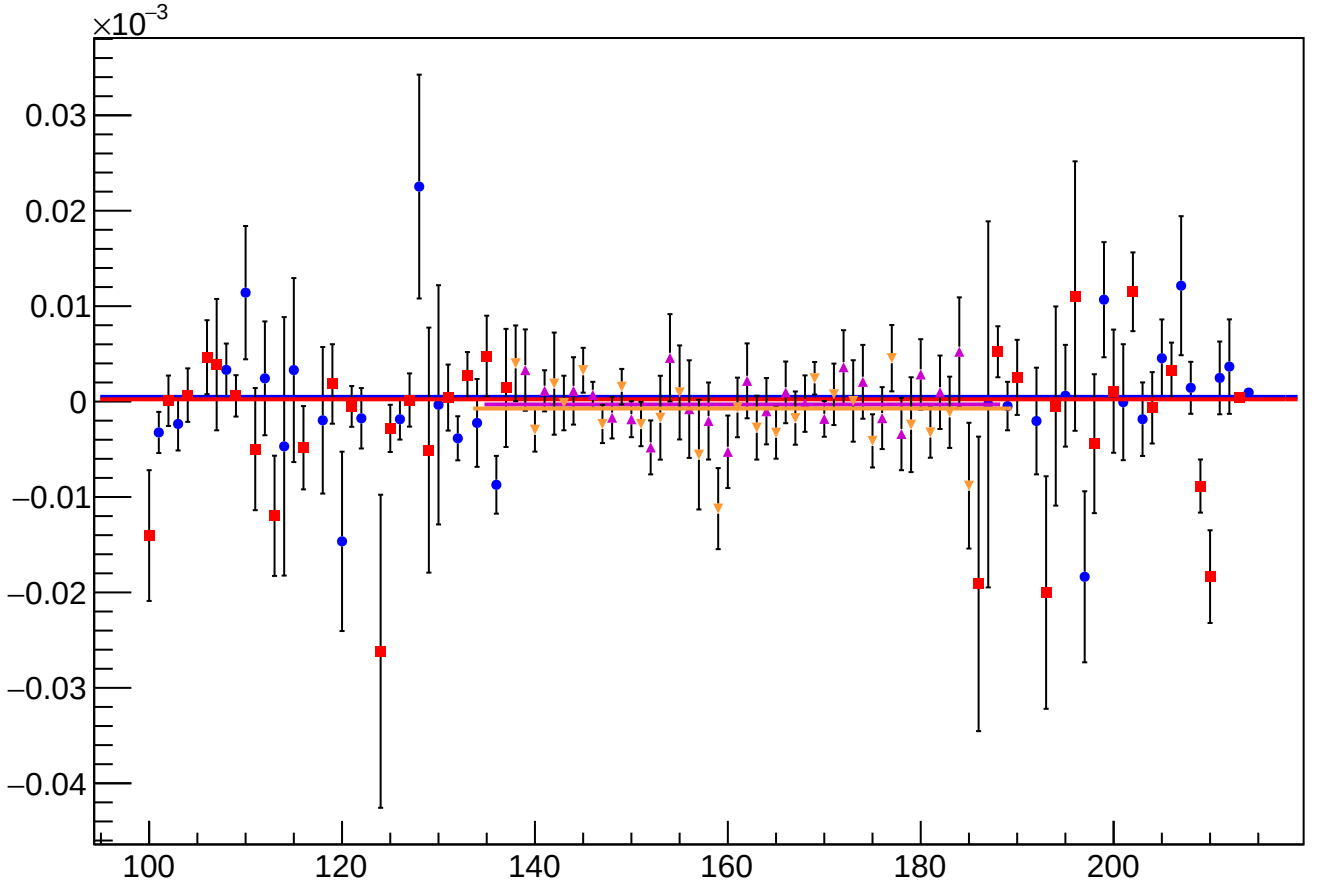
Right Out: 41.208+/-0.008 χ^2/NDF: 4181435.6/32

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.986+/-0.005 χ^2/NDF: 5274513.7/54

All: 39.872+/-0.004 χ^2/NDF: 11243583.9/110

\- sign 39.754+/-0.005 χ^2/NDF: 5968085.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 42.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

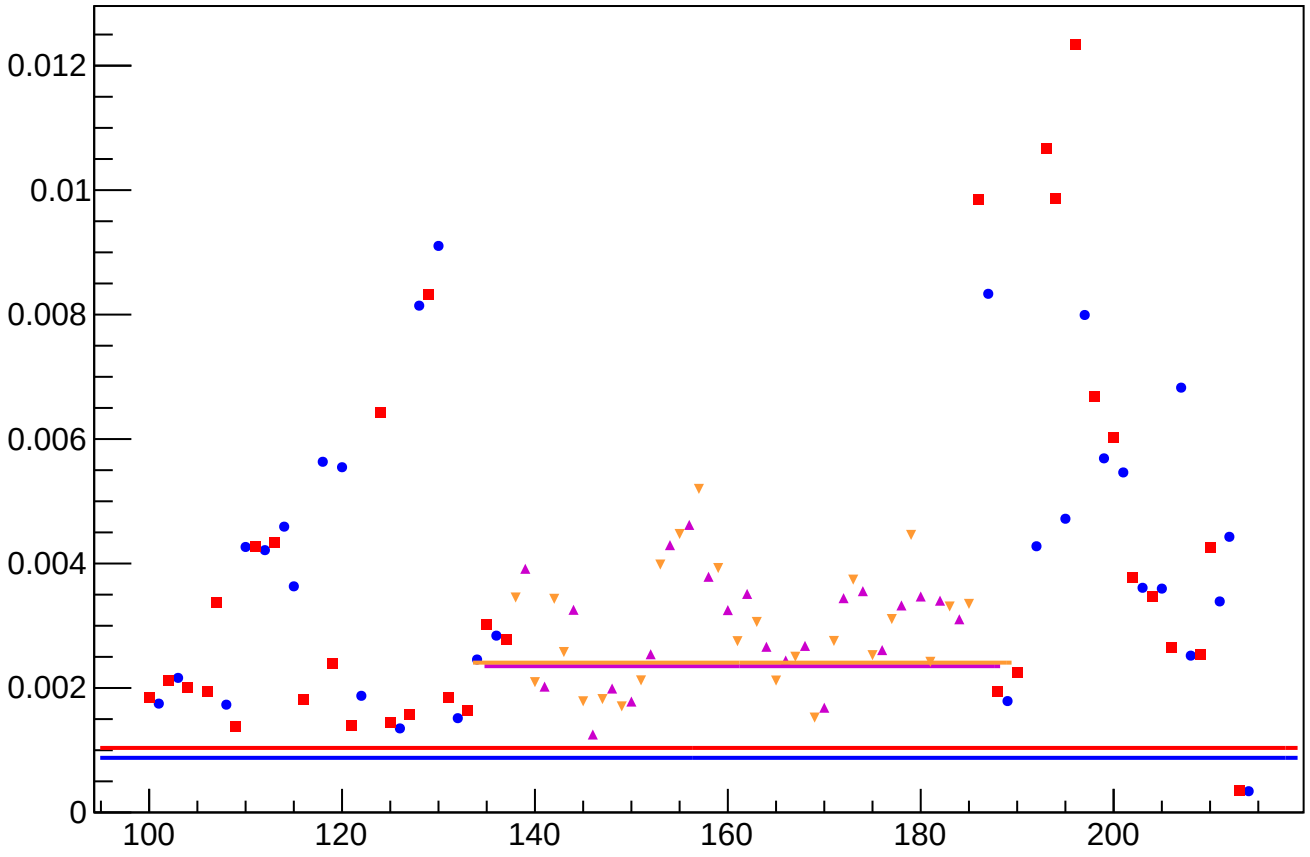
Right Out: 0.000+/-0.000 χ^2/NDF: 61.7/32

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.3/54

All: 0.000+/-0.000 χ^2/NDF: 148.5/110

- sign 0.000+/-0.000 χ^2/NDF: 76.1/55



Right In: 0.001+/-0.000 χ^2/NDF: 22159597.6/29

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 19388993.8/32

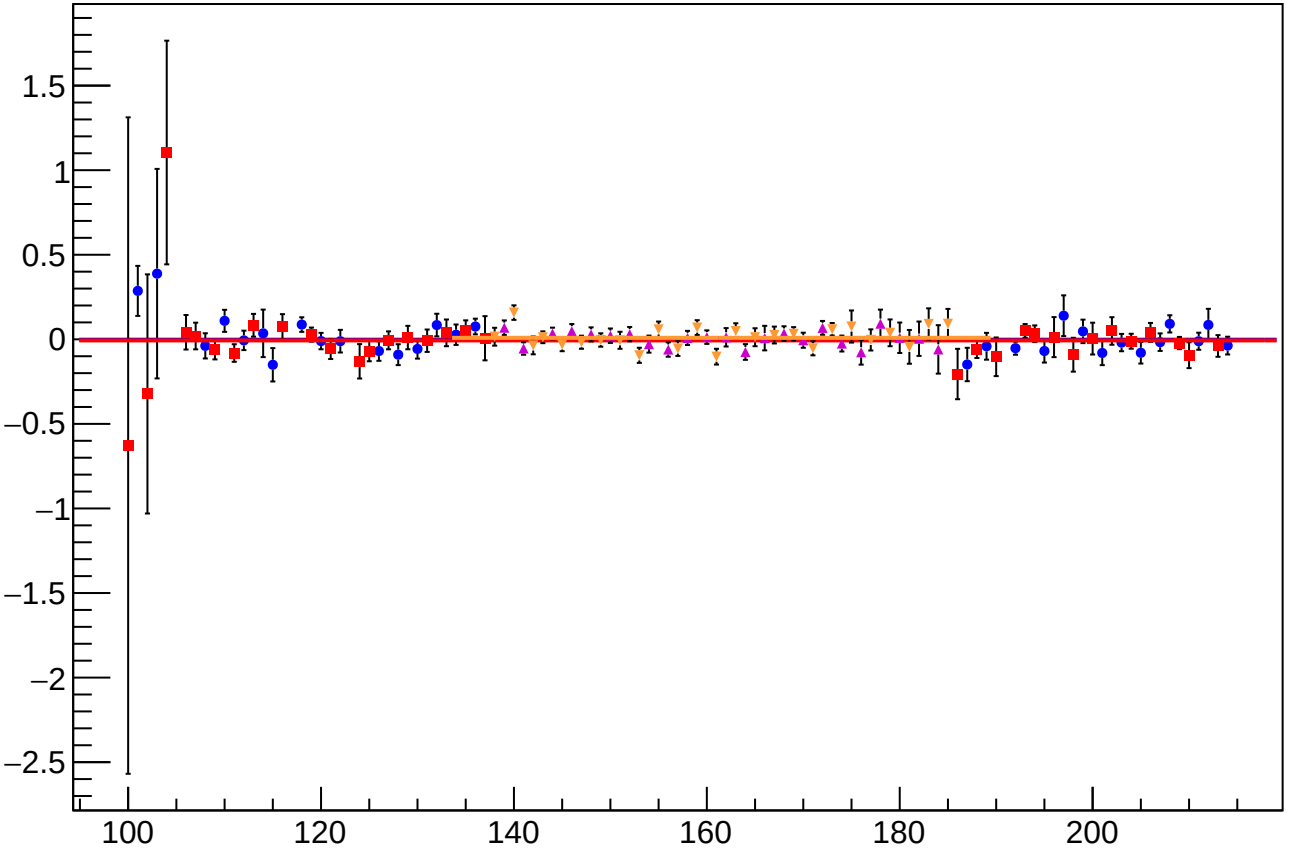
Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 35902552.2/54

All: 0.001+/-0.000 χ^2/NDF: 66765595.3/110

- sign 0.001+/-0.000 χ^2/NDF: 30642884.3/55

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.011 χ^2/NDF: 37.6/29

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

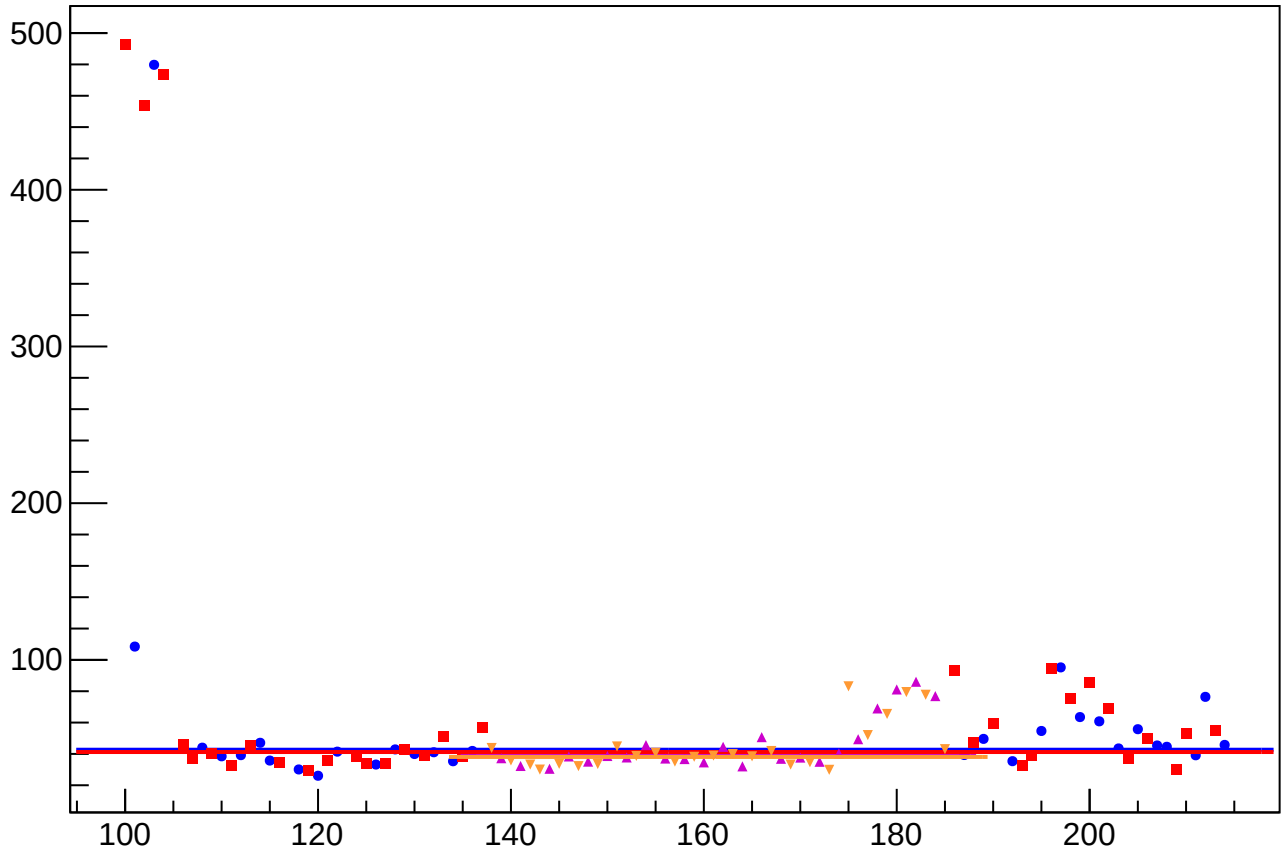
Right Out: -0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.004+/-0.007 χ^2/NDF: 76.8/54

All: 0.003+/-0.005 χ^2/NDF: 121.4/110

- sign 0.002+/-0.007 χ^2/NDF: 44.6/55



Right In: 42.671+/-0.008 χ^2/NDF: 3114713.7/29

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

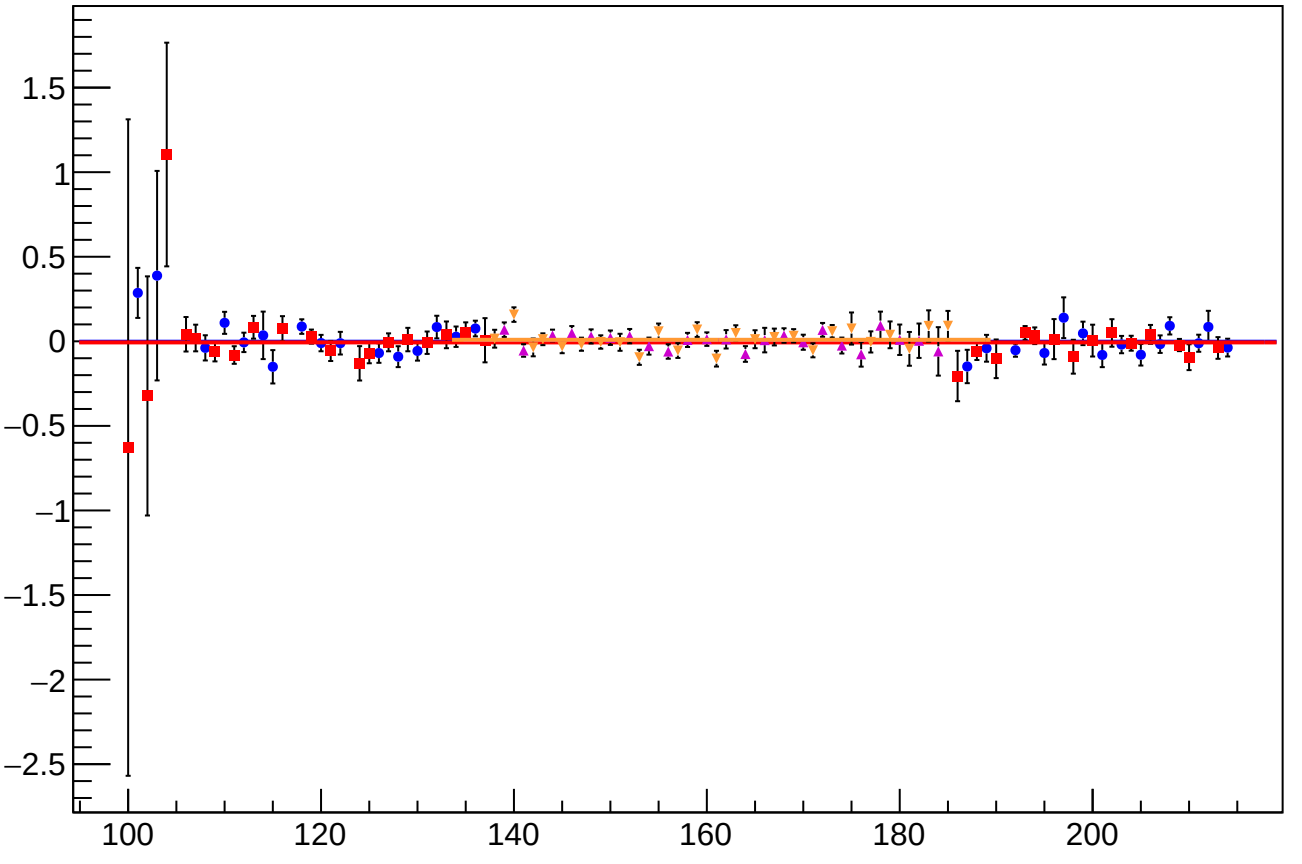
Right Out: 41.206+/-0.008 χ^2/NDF: 4181978.8/32

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.986+/-0.005 χ^2/NDF: 5274709.4/54

All: 39.872+/-0.004 χ^2/NDF: 11244254.6/110

- sign 39.753+/-0.005 χ^2/NDF: 5968551.4/55



Right In: -0.002+/-0.011 χ^2/NDF: 37.6/29

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

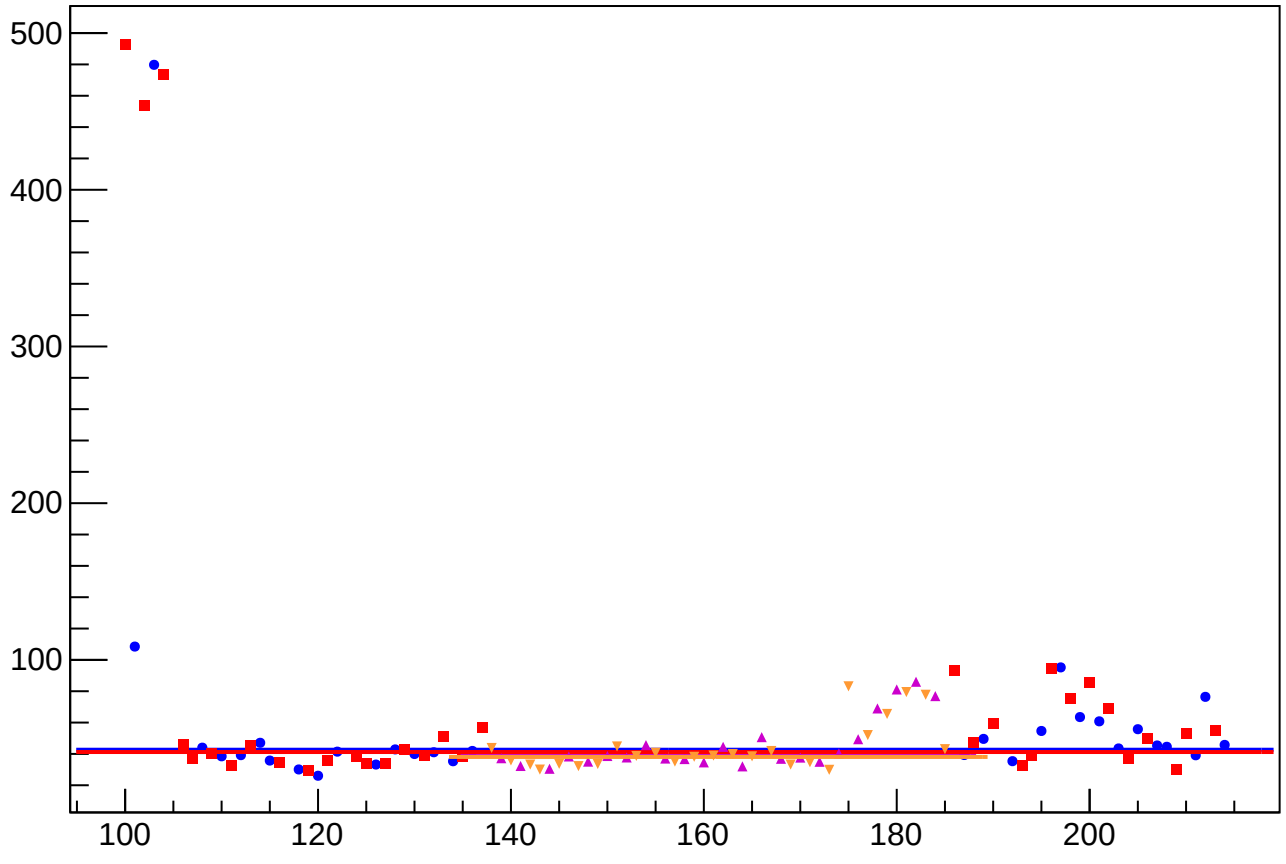
Right Out: -0.006+/-0.011 χ^2/NDF: 24.8/32

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.004+/-0.007 χ^2/NDF: 76.8/54

All: 0.003+/-0.005 χ^2/NDF: 121.4/110

- sign 0.002+/-0.007 χ^2/NDF: 44.6/55



Right In: 42.671+/-0.008 χ^2/NDF: 3114713.7/29

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

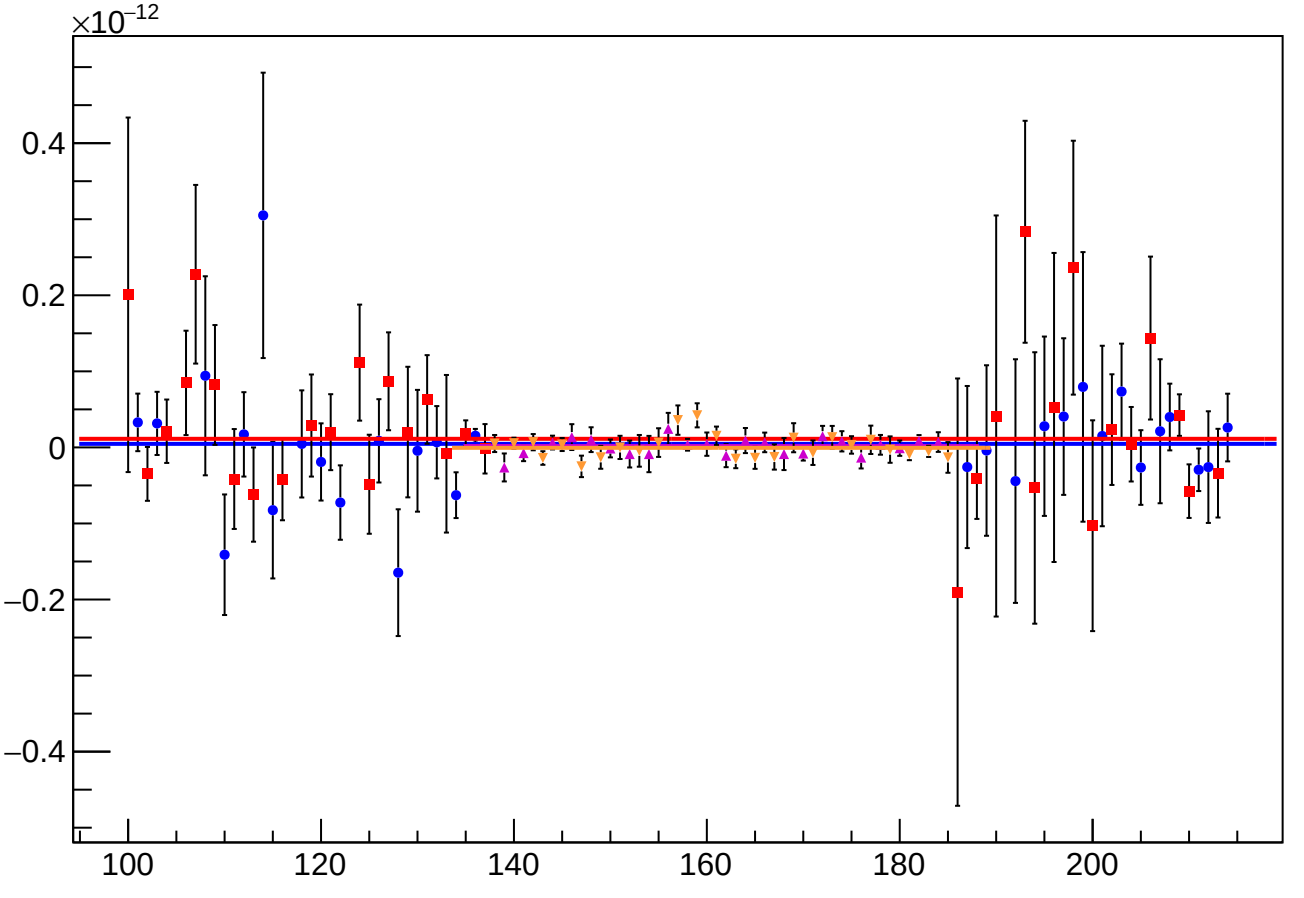
Right Out: 41.206+/-0.008 χ^2/NDF: 4181978.8/32

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.986+/-0.005 χ^2/NDF: 5274709.4/54

All: 39.872+/-0.004 χ^2/NDF: 11244254.6/110

- sign 39.753+/-0.005 χ^2/NDF: 5968551.4/55



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

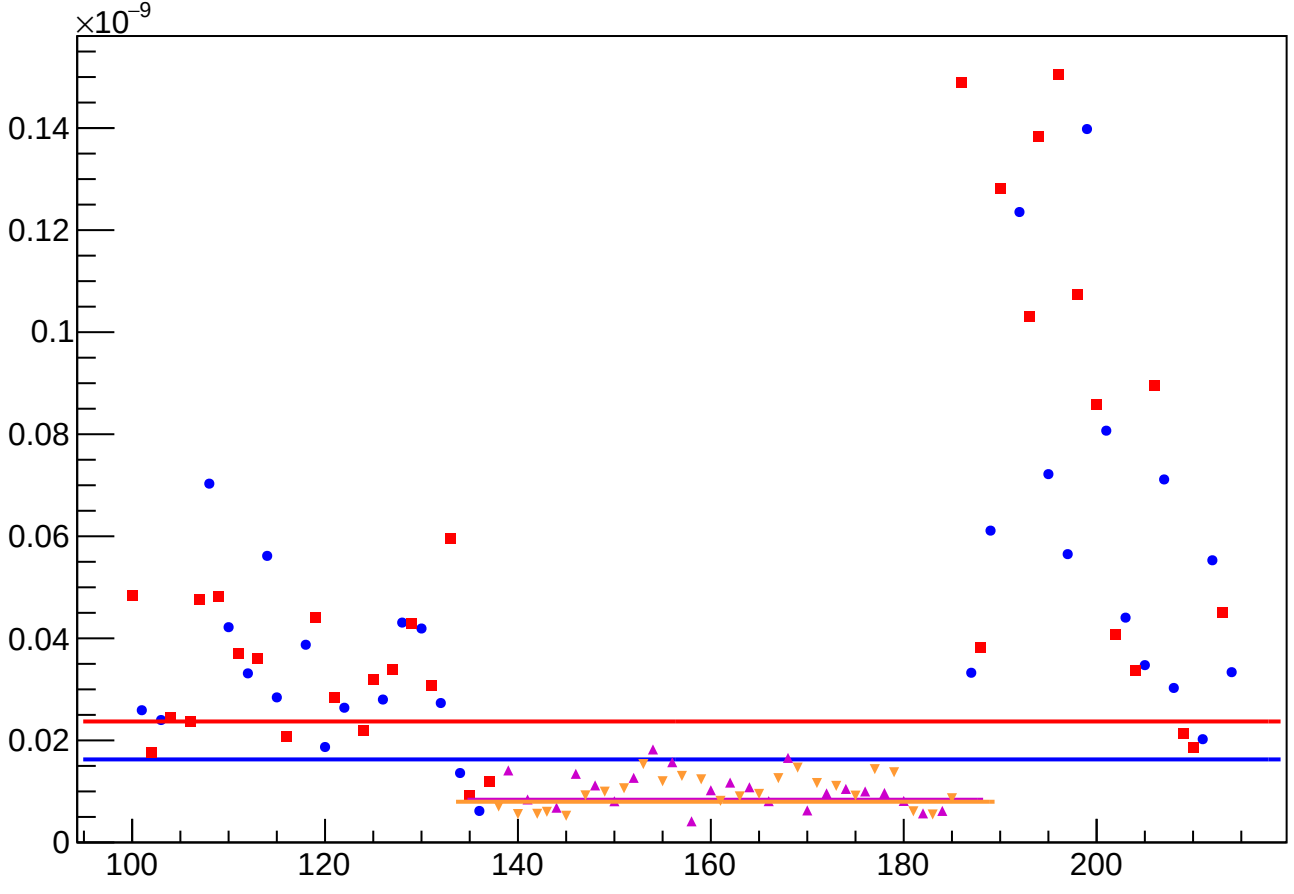
Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/32

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.8/54

All: 0.000+/-0.000 χ^2/NDF: 98.0/110

- sign 0.000+/-0.000 χ^2/NDF: 43.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 10538056.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8154349.9/32

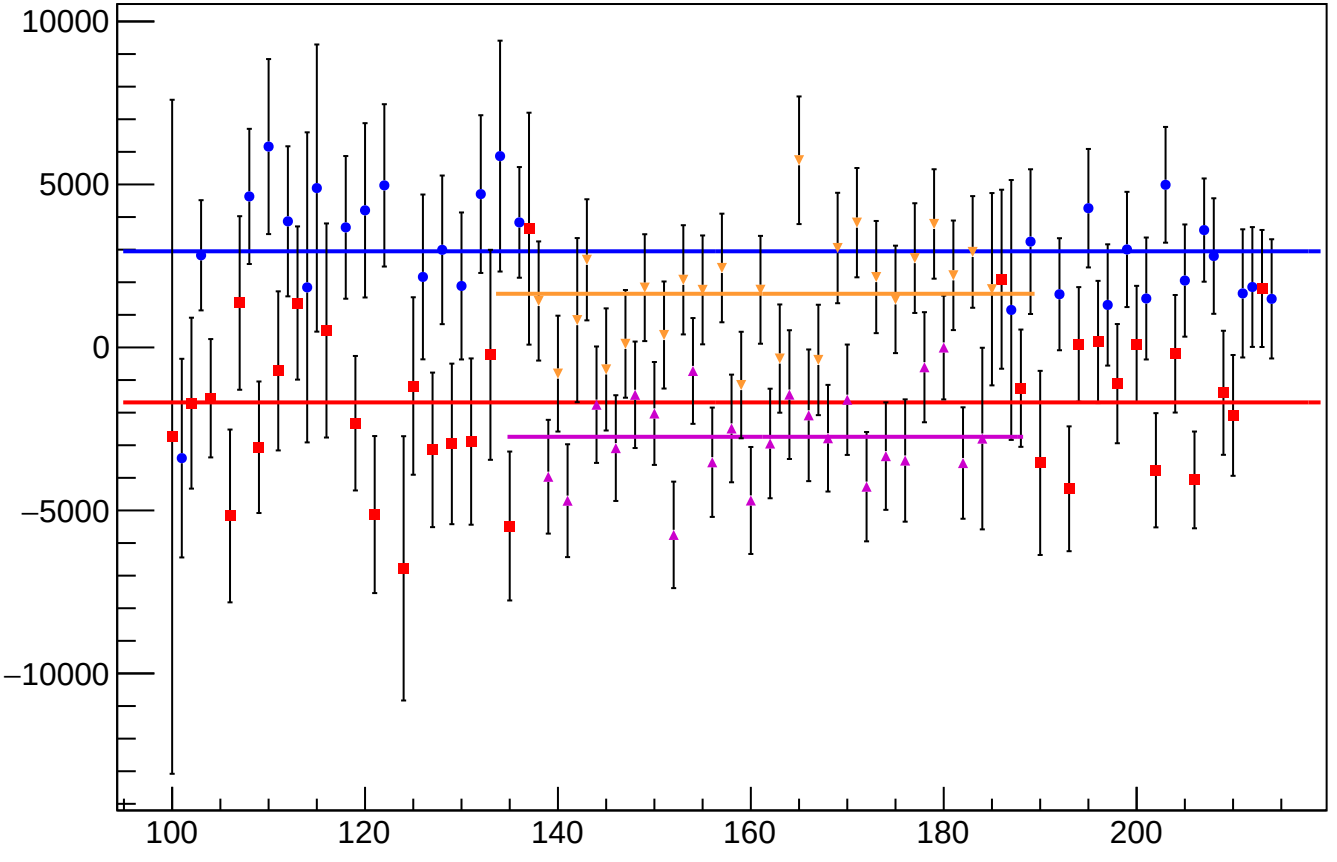
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15970921.9/54

All: 0.000+/-0.000 χ^2/NDF: 32488605.6/110

- sign 0.000+/-0.000 χ^2/NDF: 16436467.5/55

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 2949.463+/-383.620 χ^2/NDF: 15.5/29

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1685.971+/-380.160 χ^2/NDF: 31.5/32

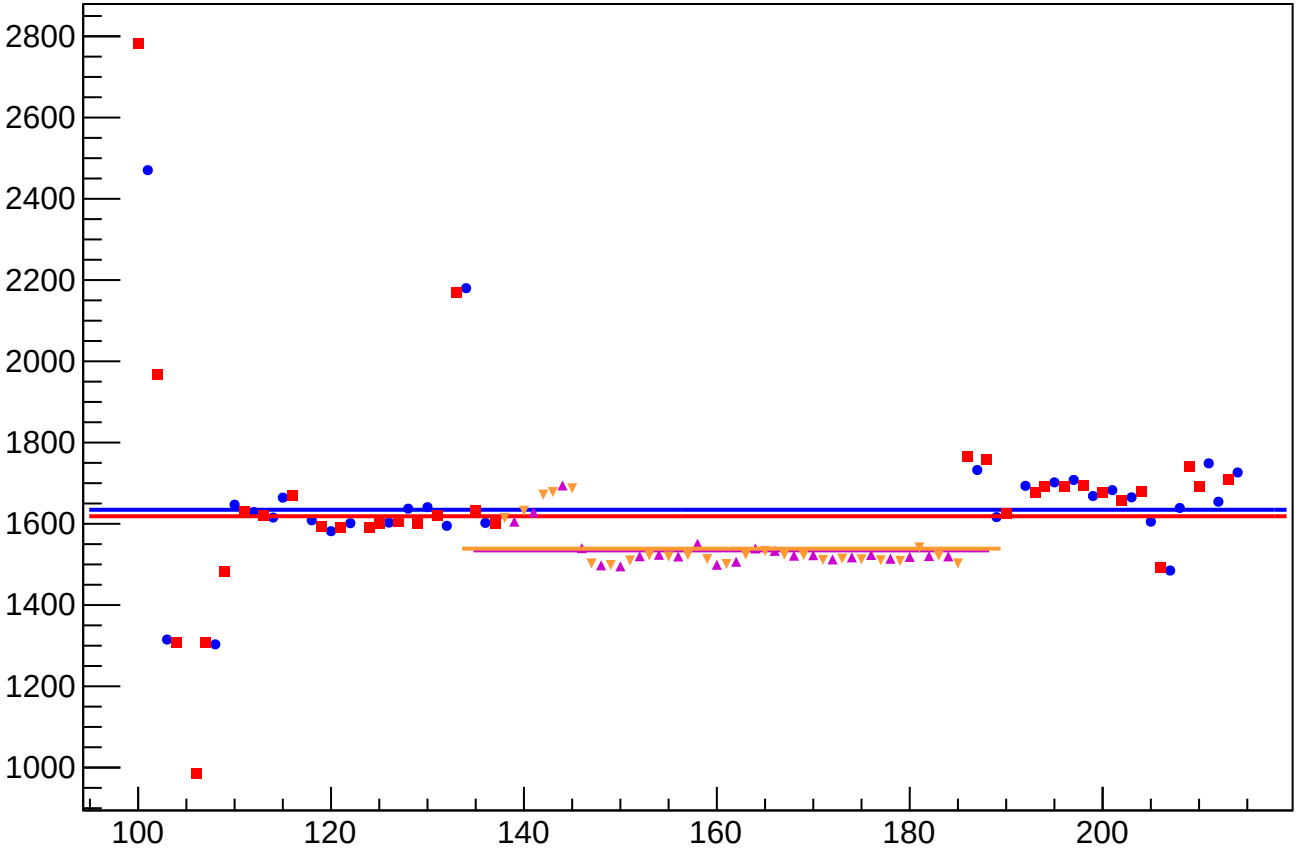
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2237.895+/-258.460 χ^2/NDF: 42.9/54

All: 16.960+/-183.582 χ^2/NDF: 244.0/110

- sign -2244.417+/-260.803 χ^2/NDF: 52.1/55

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1634.572+/-0.271 χ^2/NDF: 366397.9/29

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1618.627+/-0.267 χ^2/NDF: 474512.2/32

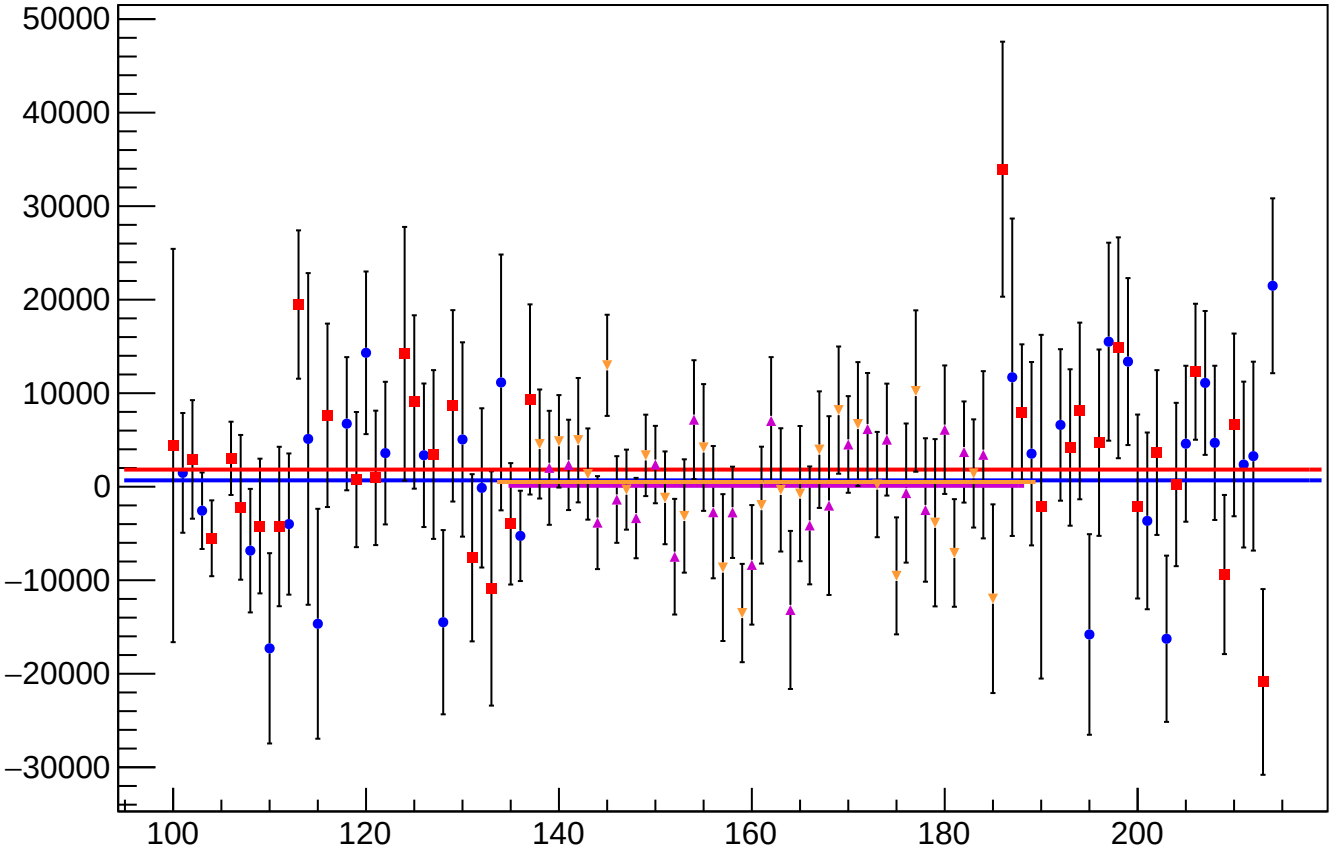
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1582.279+/-0.183 χ^2/NDF: 481510.6/54

All: 1578.388+/-0.130 χ^2/NDF: 1040149.6/11

- sign 1574.452+/-0.184 χ^2/NDF: 557727.2/55

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 680.213+/-1481.185 χ^2/NDF: 33.7/29

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1831.451+/-1388.670 χ^2/NDF: 33.3/32

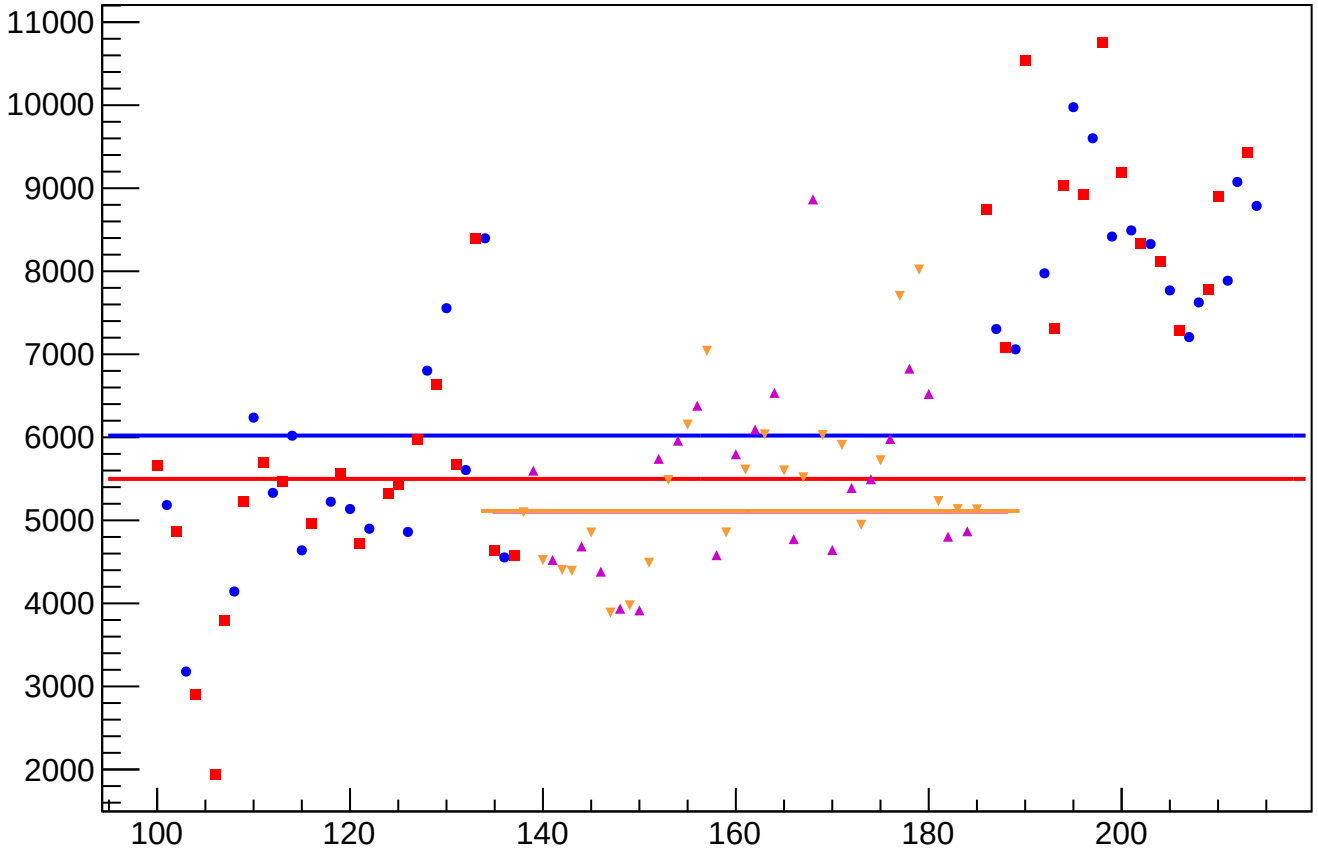
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

\+ sign 572.839+/-926.409 χ^2/NDF: 60.6/54

All: 713.754+/-651.182 χ^2/NDF: 109.6/110

\- sign 851.372+/-915.509 χ^2/NDF: 49.1/55

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 6021.116+/-1.047 χ^2/NDF: 3367823.9/29

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5499.405+/-0.982 χ^2/NDF: 5666389.1/32

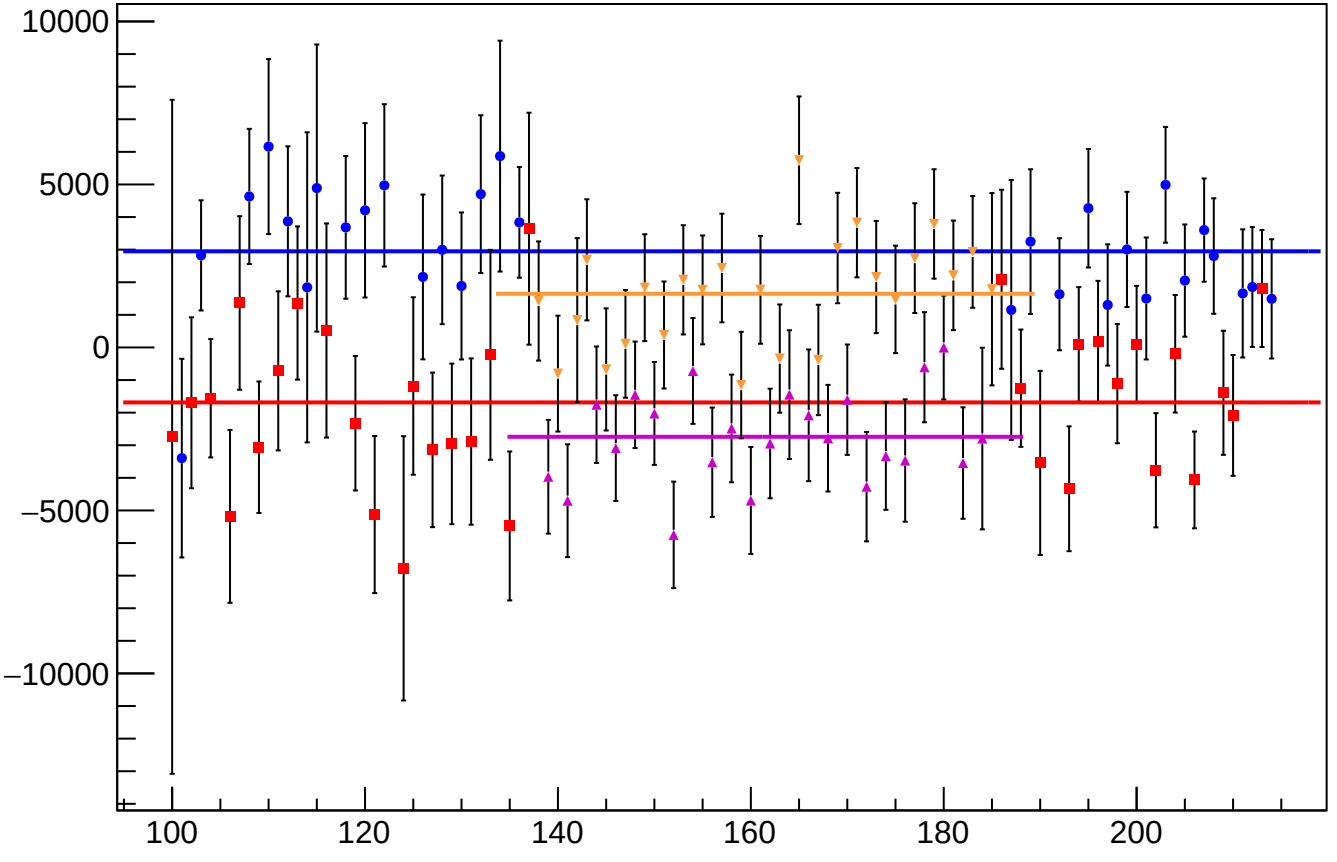
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5468.217+/-0.655 χ^2/NDF: 4984576.0/54

All: 5371.582+/-0.460 χ^2/NDF: 12036172.7/1

- sign 5277.207+/-0.647 χ^2/NDF: 7008581.8/55

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 2949.373+/-383.620 χ^2/NDF: 15.5/29

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1686.007+/-380.161 χ^2/NDF: 31.6/32

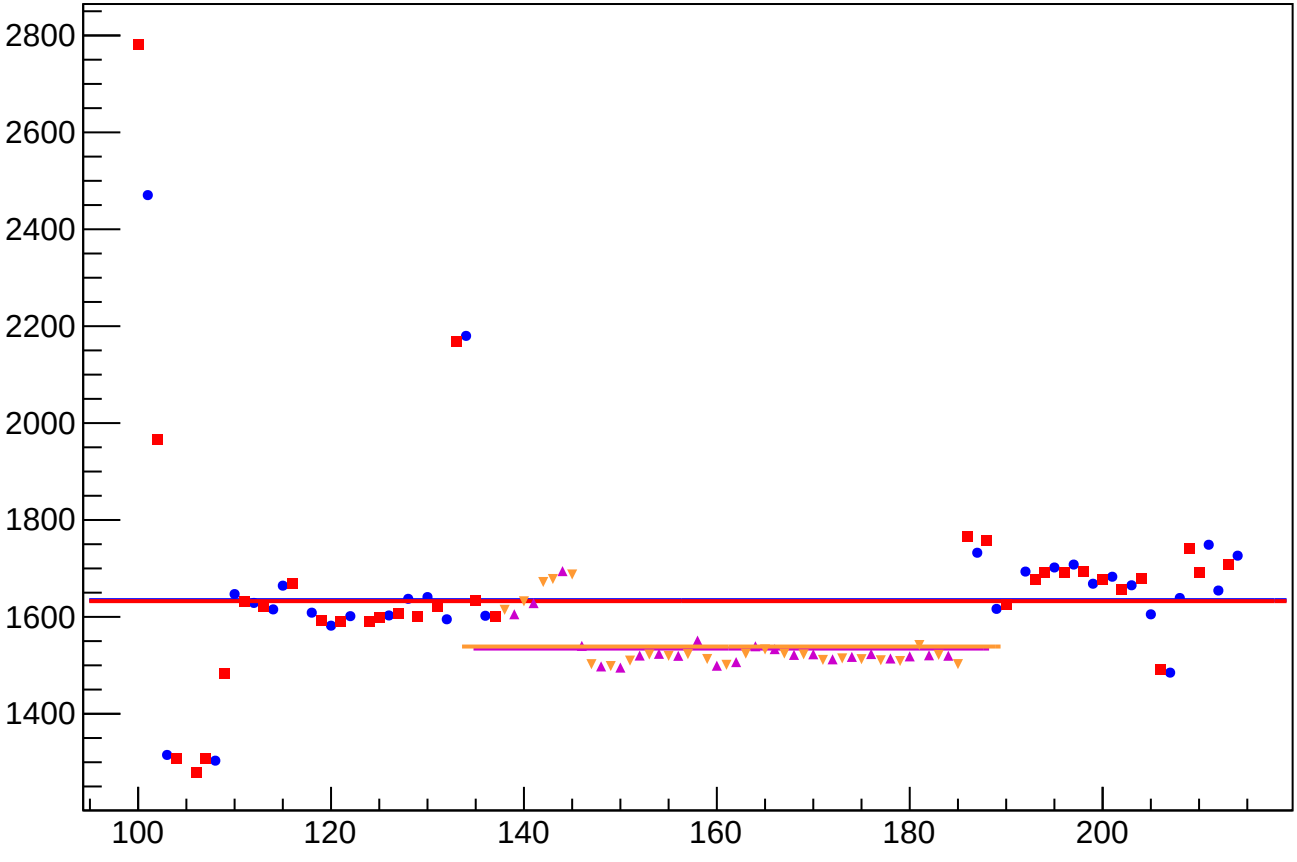
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2237.795+/-258.460 χ^2/NDF: 42.9/54

All: 16.928+/-183.582 χ^2/NDF: 244.0/110

- sign -2244.383+/-260.803 χ^2/NDF: 52.1/55

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1634.572+/-0.271 χ^2/NDF: 366396.9/29

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1632.510+/-0.268 χ^2/NDF: 317057.0/32

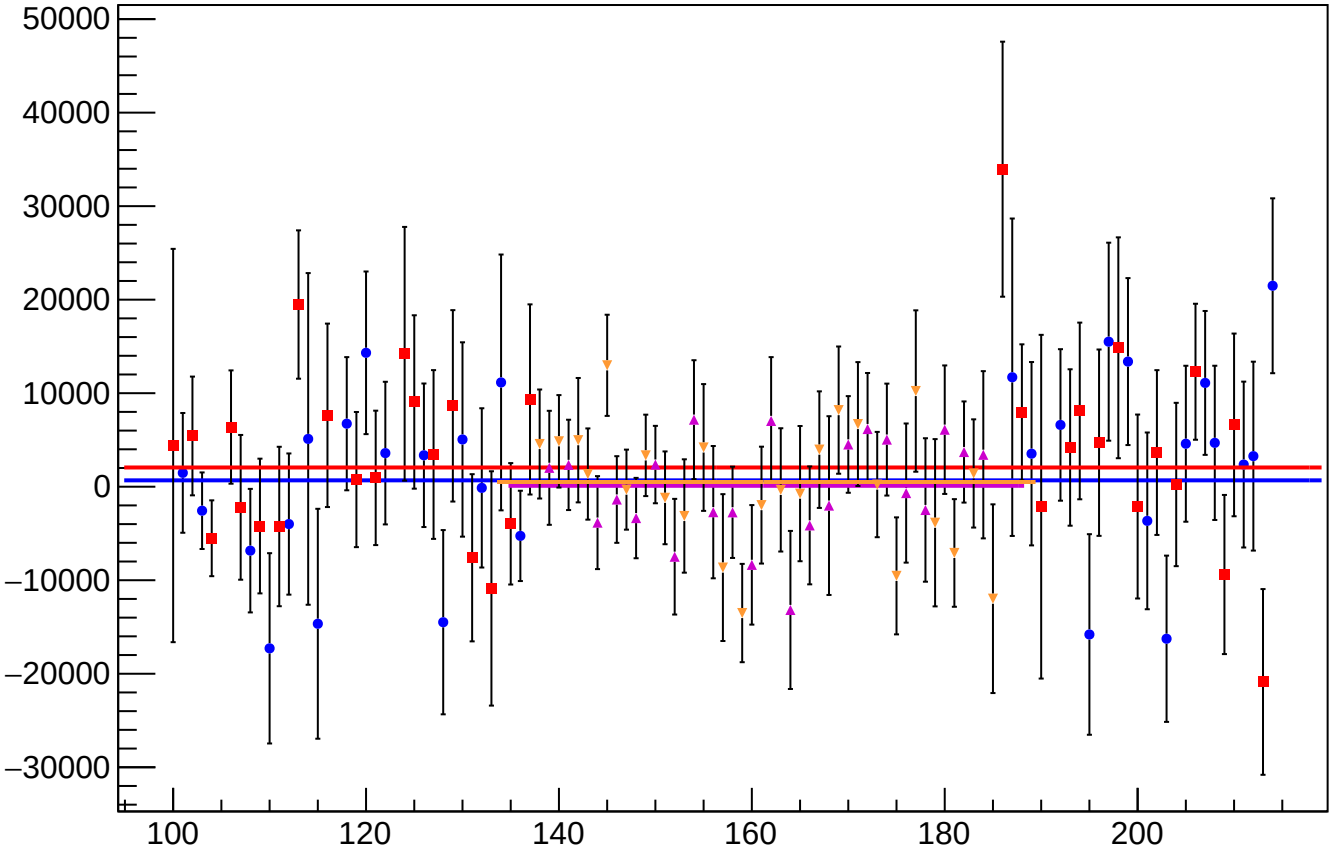
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1582.279+/-0.183 χ^2/NDF: 481509.8/54

All: 1581.530+/-0.130 χ^2/NDF: 900048.8/110

- sign 1580.769+/-0.184 χ^2/NDF: 418505.1/55

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: 680.188+/-1481.204 χ^2/NDF: 33.7/29

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2055.674+/-1442.544 χ^2/NDF: 34.0/32

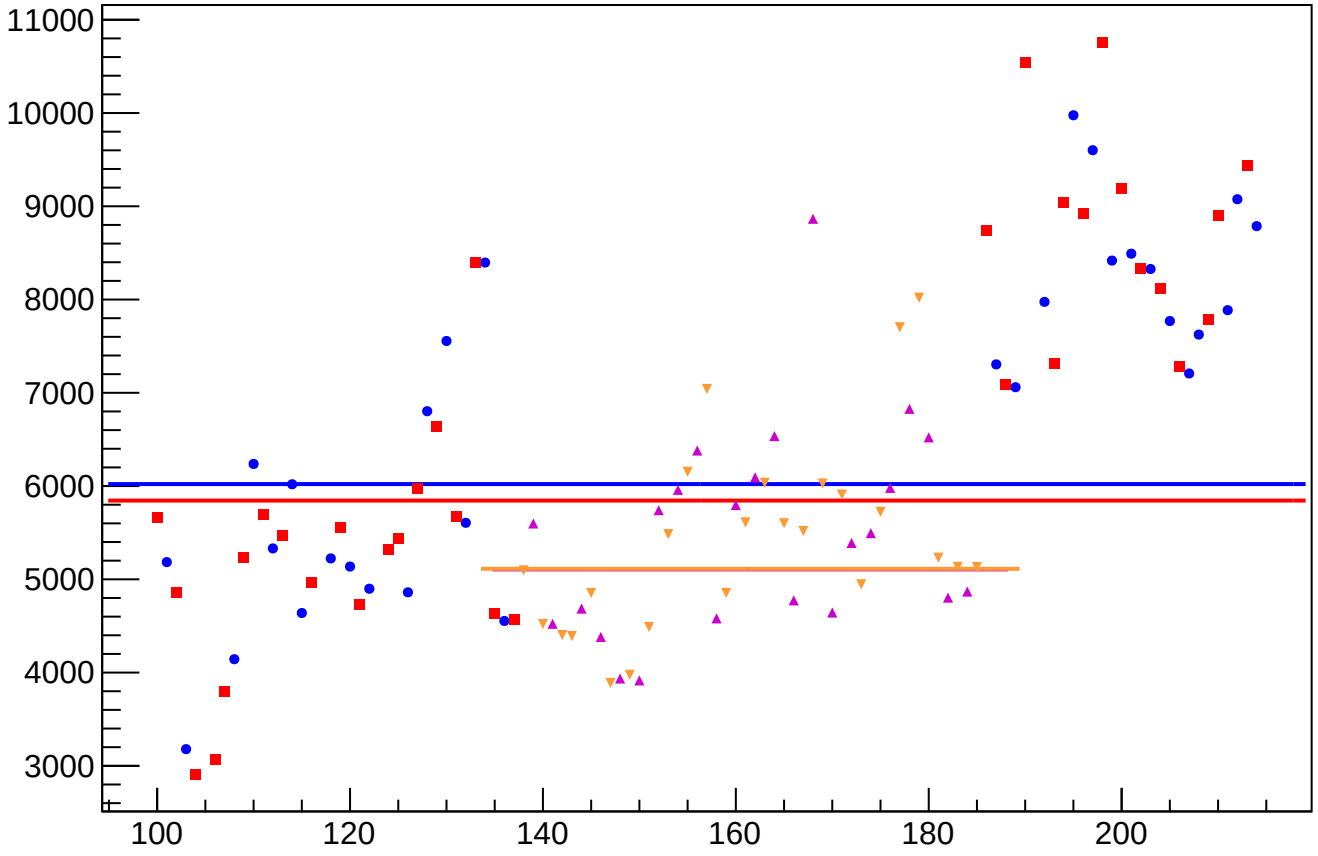
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 572.830+/-926.413 χ^2/NDF: 60.6/54

All: 741.885+/-656.496 χ^2/NDF: 110.6/110

\- sign 912.417+/-930.450 χ^2/NDF: 50.0/55

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 6021.235+/-1.047 χ^2/NDF: 3367398.2/29

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5844.507+/-1.020 χ^2/NDF: 4221536.7/32

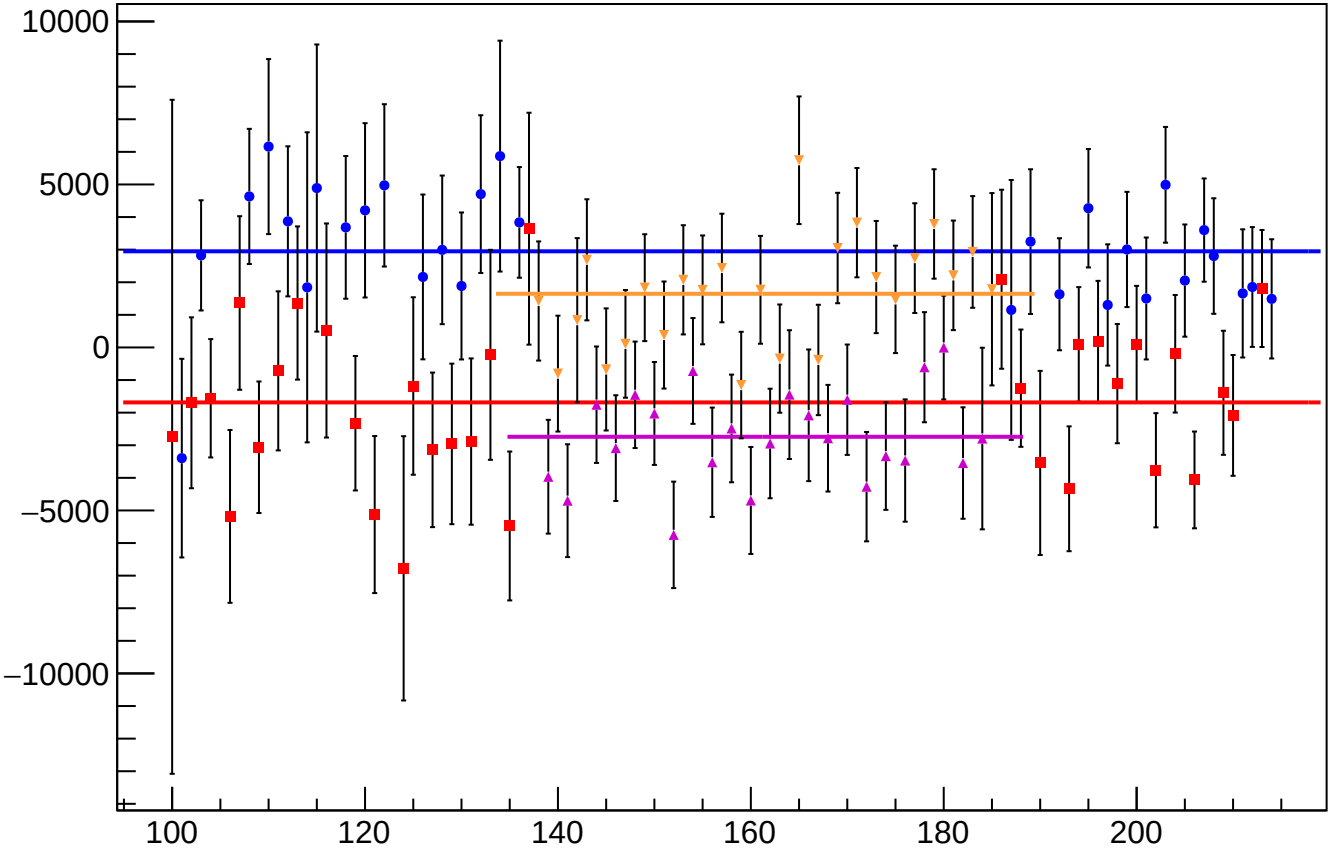
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5468.253+/-0.655 χ^2/NDF: 4984283.2/54

All: 5440.980+/-0.464 χ^2/NDF: 10766710.6/1

- sign 5413.468+/-0.658 χ^2/NDF: 5778945.4/55

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 2949.373+/-383.620 χ^2/NDF: 15.5/29

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1686.007+/-380.161 χ^2/NDF: 31.6/32

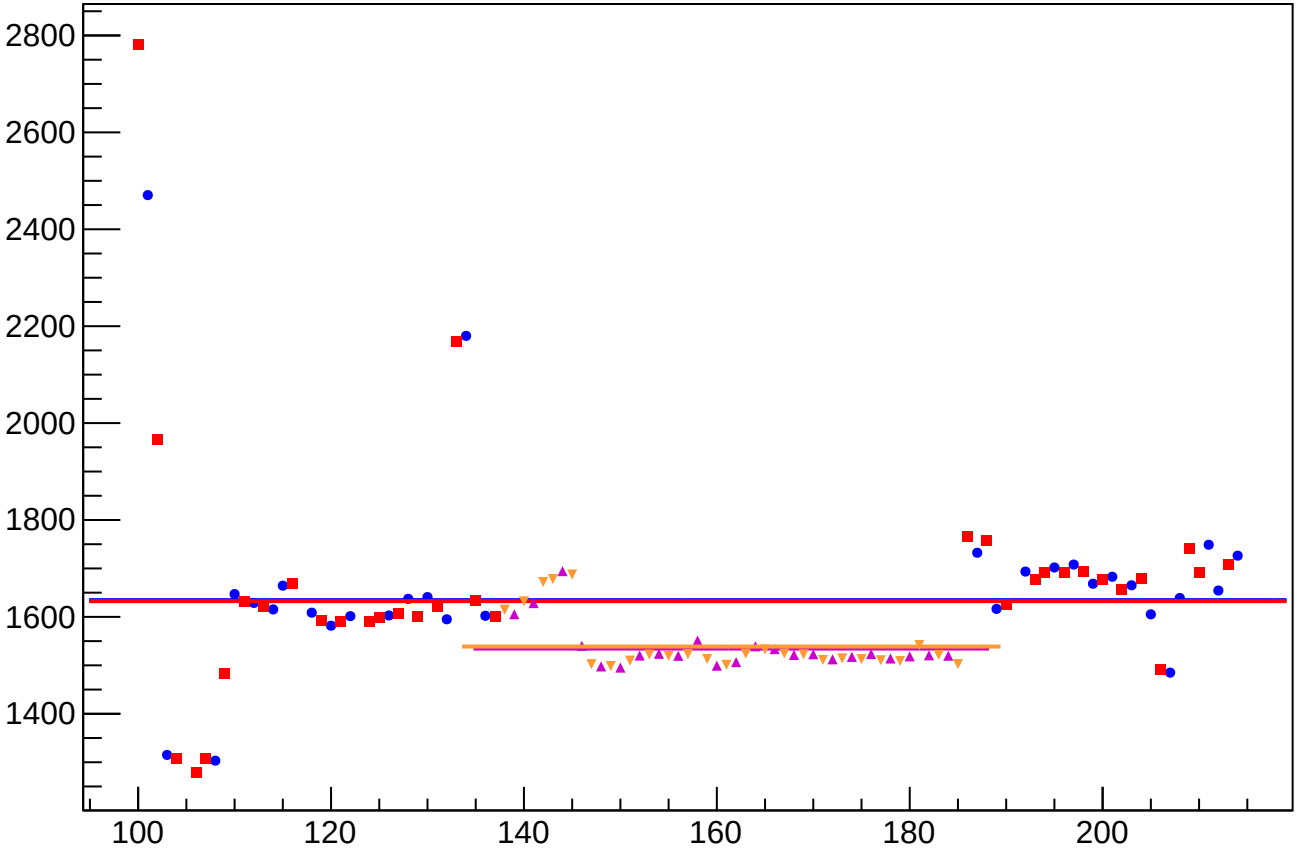
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2237.795+/-258.460 χ^2/NDF: 42.9/54

All: 16.928+/-183.582 χ^2/NDF: 244.0/110

- sign -2244.383+/-260.803 χ^2/NDF: 52.1/55

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1634.572+/-0.271 χ^2/NDF: 366396.9/29

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

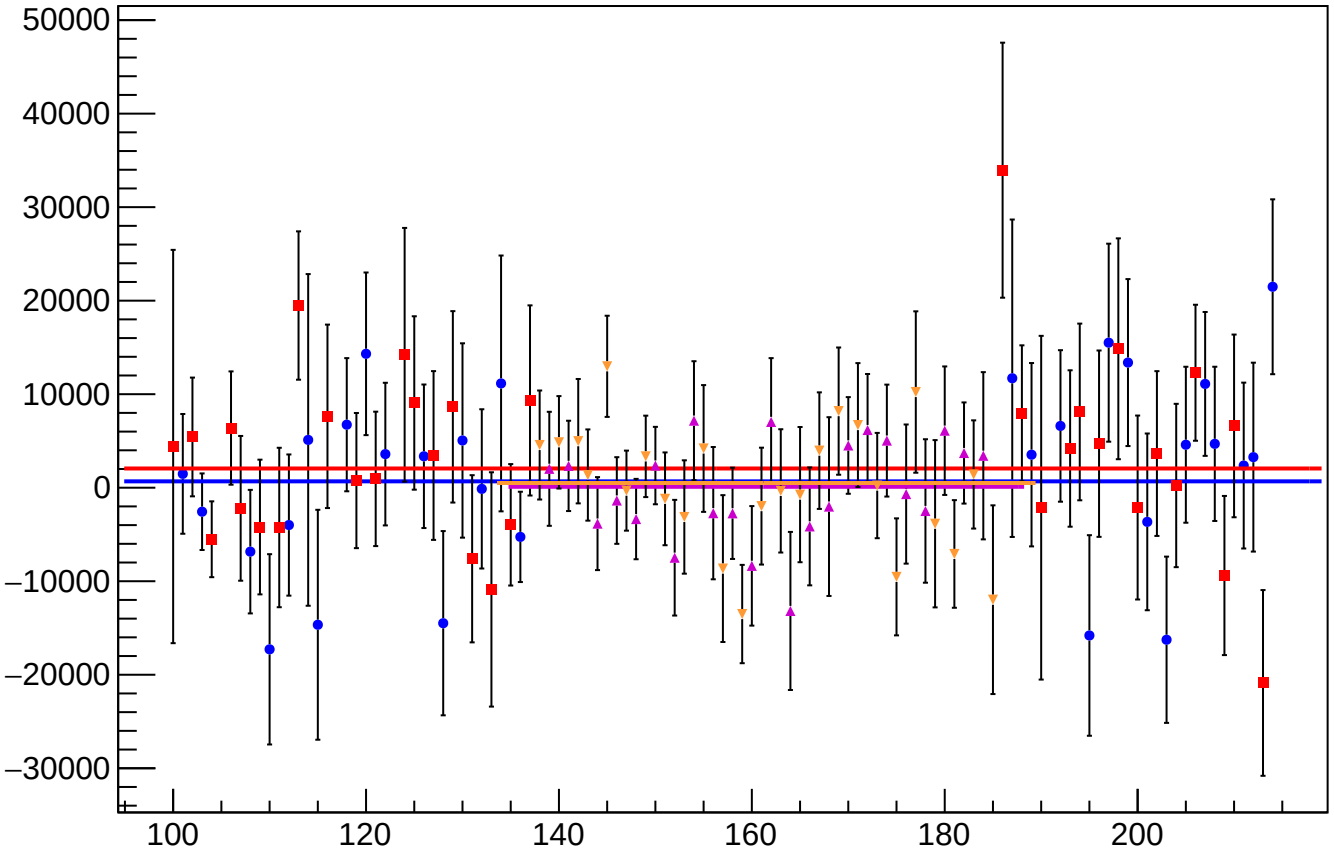
Right Out: 1632.510+/-0.268 χ^2/NDF: 317057.0/32

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1582.279+/-0.183 χ^2/NDF: 481509.8/54

All: 1581.530+/-0.130 χ^2/NDF: 900048.8/110

- sign 1580.769+/-0.184 χ^2/NDF: 418505.1/55



Right In: 680.188+/-1481.204 χ^2/NDF: 33.7/29

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

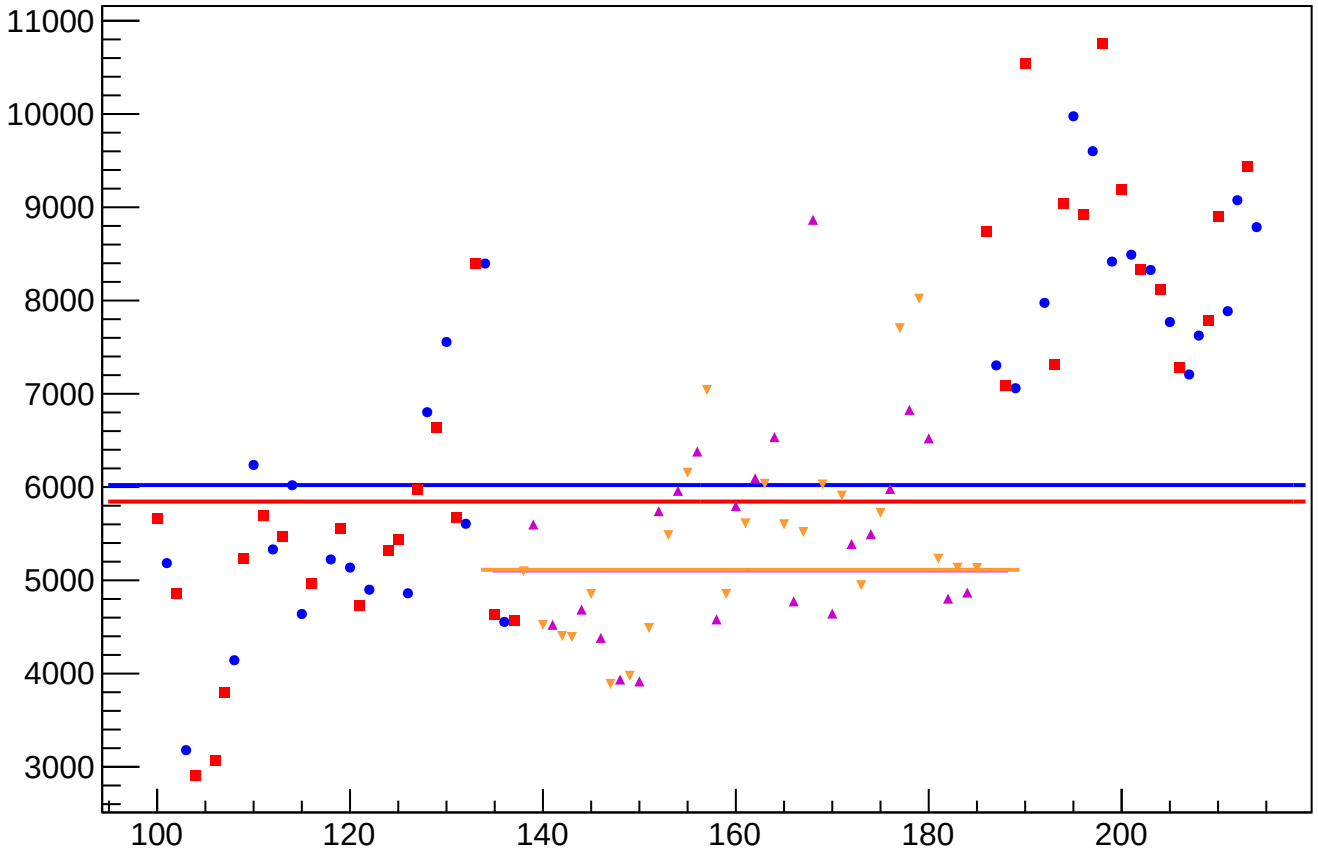
Right Out: 2055.674+/-1442.544 χ^2/NDF: 34.0/32

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 572.830+/-926.413 χ^2/NDF: 60.6/54

All: 741.885+/-656.496 χ^2/NDF: 110.6/110

- sign 912.417+/-930.450 χ^2/NDF: 50.0/55



Right In: 6021.235+/-1.047 χ^2/NDF: 3367398.2/29

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

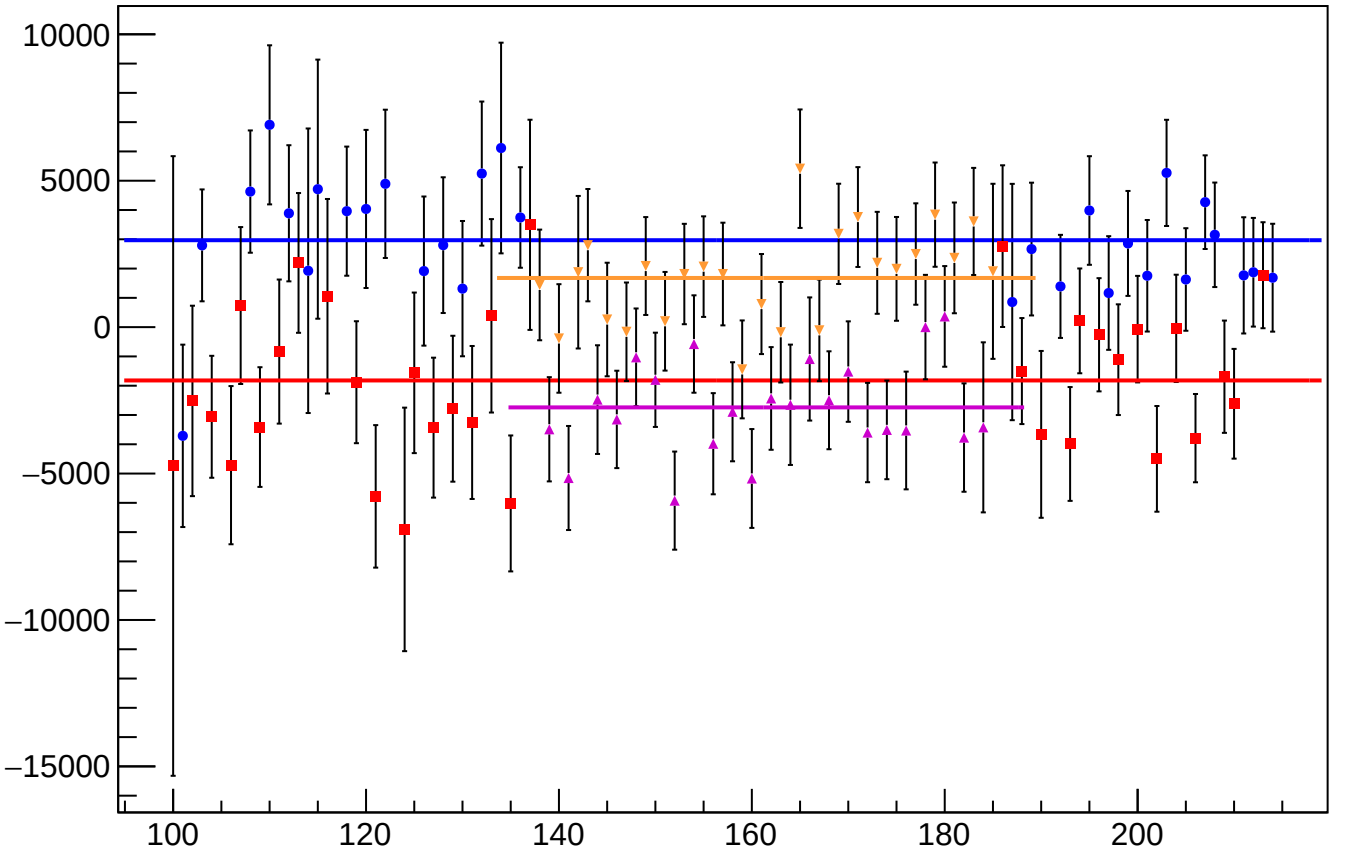
Right Out: 5844.507+/-1.020 χ^2/NDF: 4221536.7/32

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5468.253+/-0.655 χ^2/NDF: 4984283.2/54

All: 5440.980+/-0.464 χ^2/NDF: 10766710.6/1

- sign 5413.468+/-0.658 χ^2/NDF: 5778945.4/55



Right In: 2968.448+/-391.456 χ^2/NDF: 17.9/29

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1820.629+/-389.158 χ^2/NDF: 34.3/32

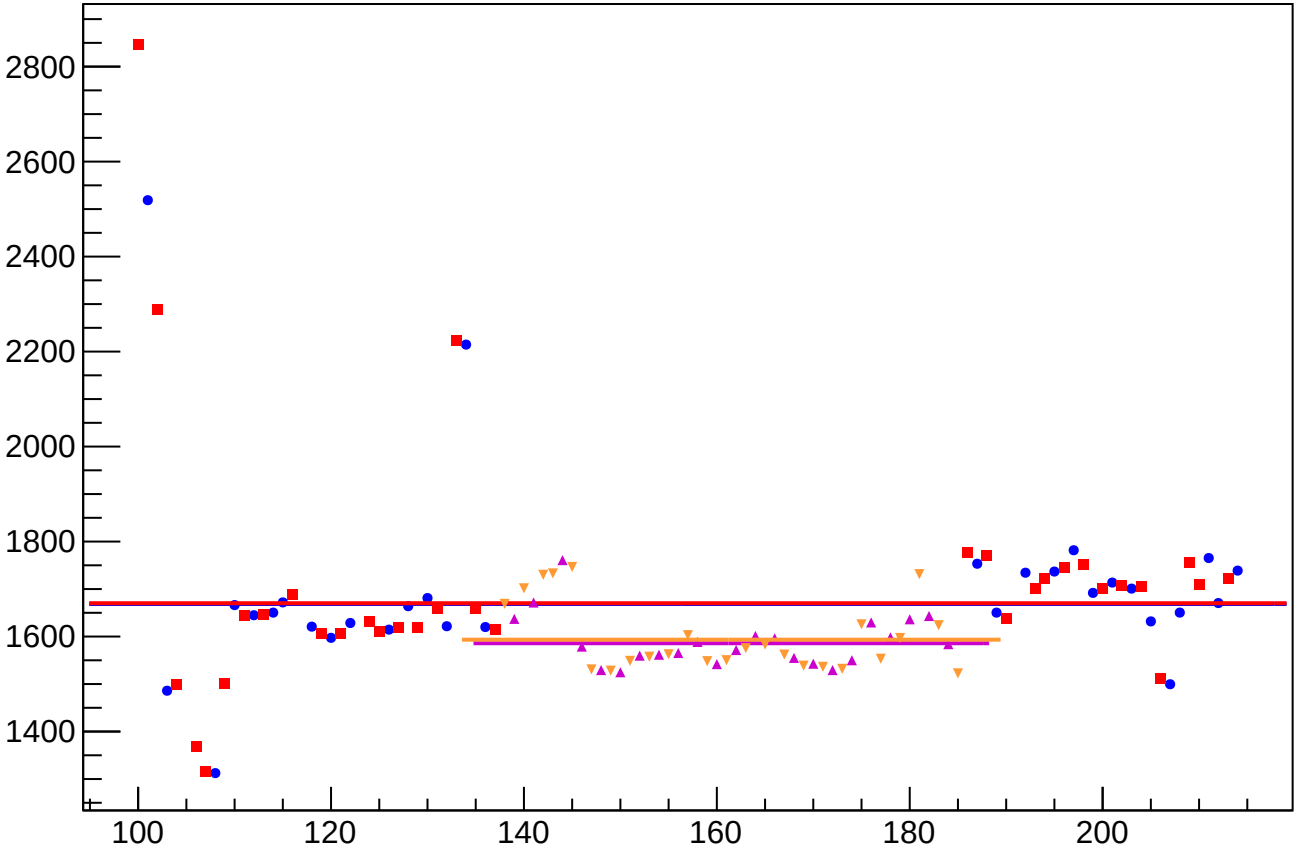
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2274.171+/-265.931 χ^2/NDF: 42.7/54

All: 6.479+/-188.900 χ^2/NDF: 245.9/110

- sign -2303.102+/-268.376 χ^2/NDF: 56.4/55

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1668.629+/-0.277 χ^2/NDF: 324439.0/29

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1670.147+/-0.275 χ^2/NDF: 296873.2/32

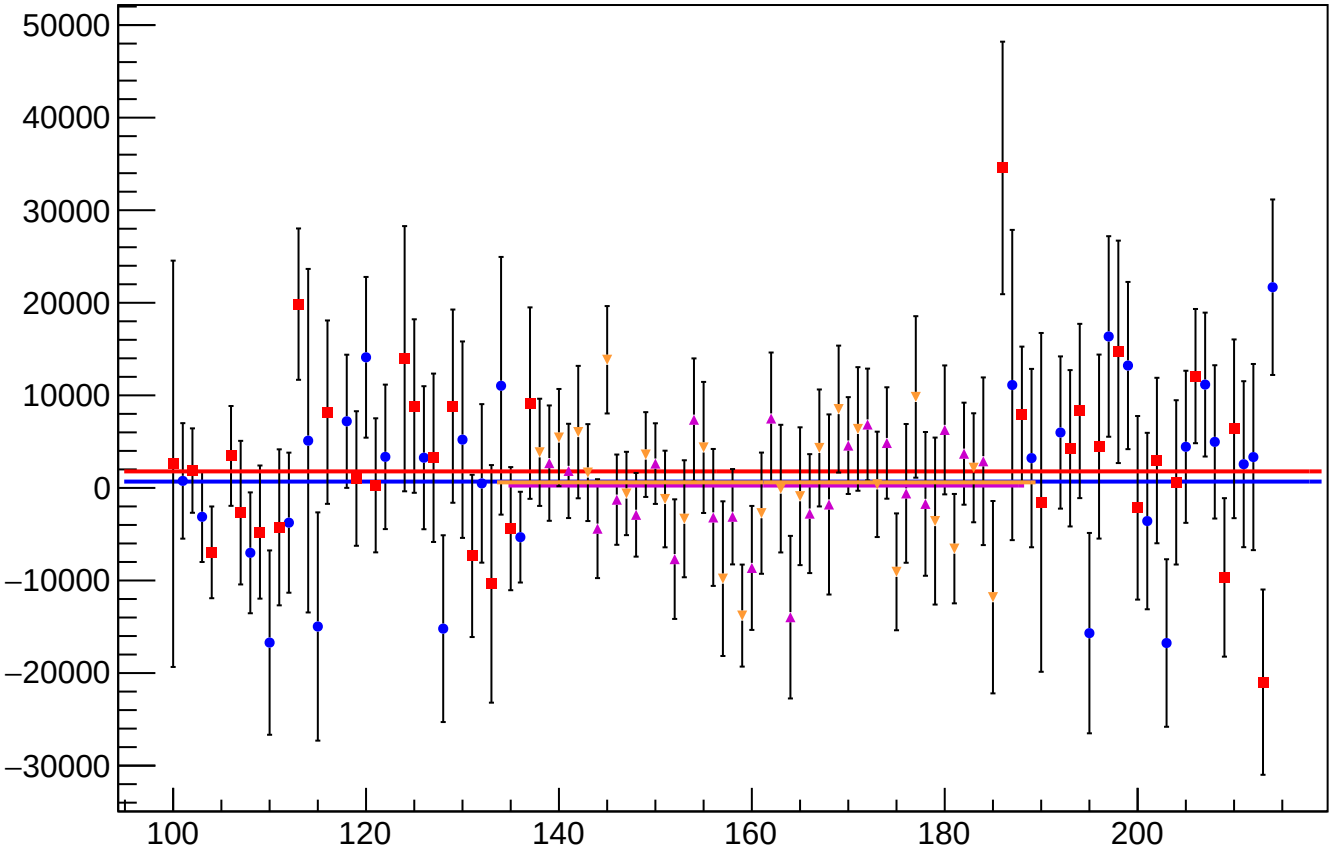
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1628.112+/-0.188 χ^2/NDF: 436104.5/54

All: 1627.061+/-0.134 χ^2/NDF: 824107.4/110

- sign 1625.992+/-0.190 χ^2/NDF: 387940.0/55

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: 685.104+/-1517.761 χ^2/NDF: 33.6/29

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1785.803+/-1435.610 χ^2/NDF: 33.1/32

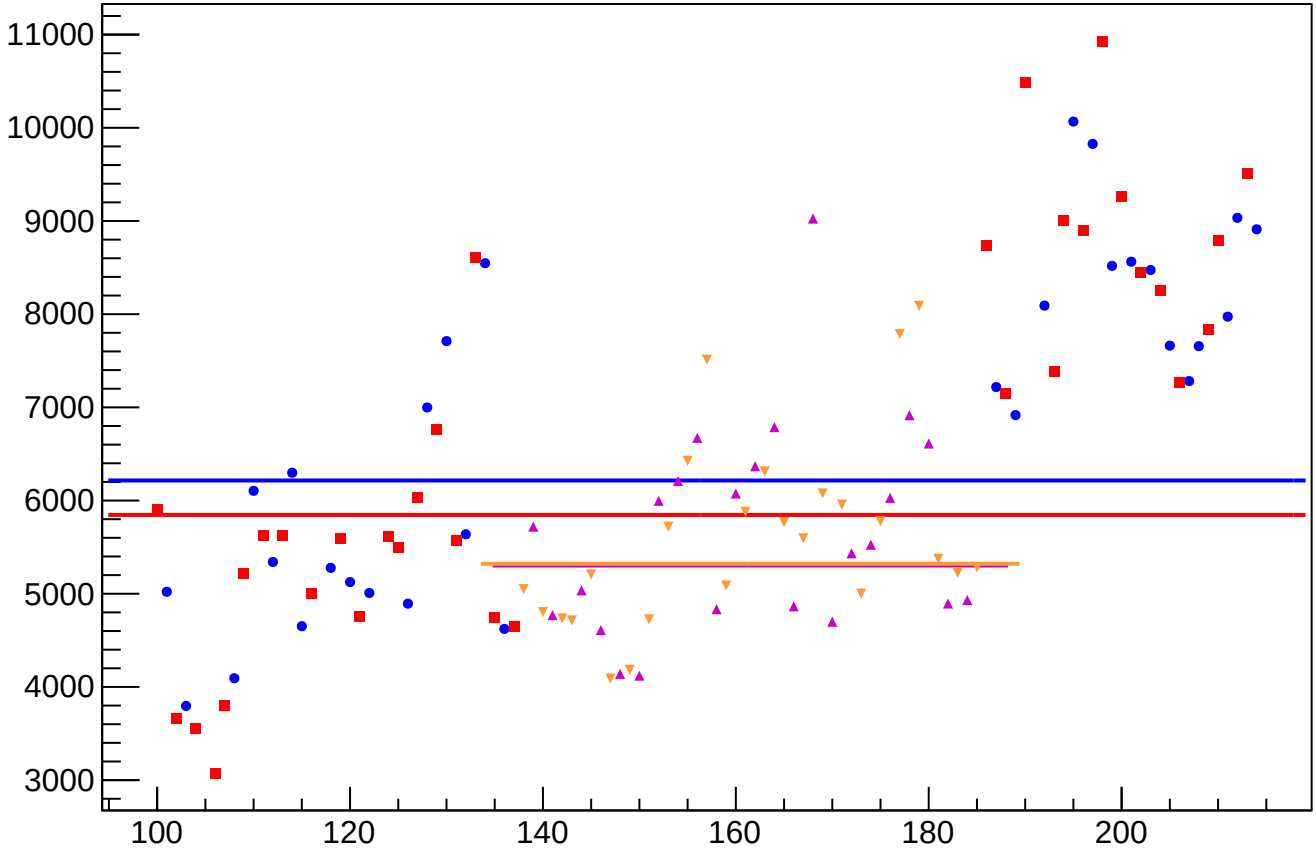
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 634.950+/-957.266 χ^2/NDF: 59.7/54

All: 780.443+/-673.623 χ^2/NDF: 108.1/110

\- sign 923.162+/-948.095 χ^2/NDF: 48.4/55

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6215.328+/-1.073 χ^2/NDF: 2864196.5/29

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5845.739+/-1.015 χ^2/NDF: 4142097.2/32

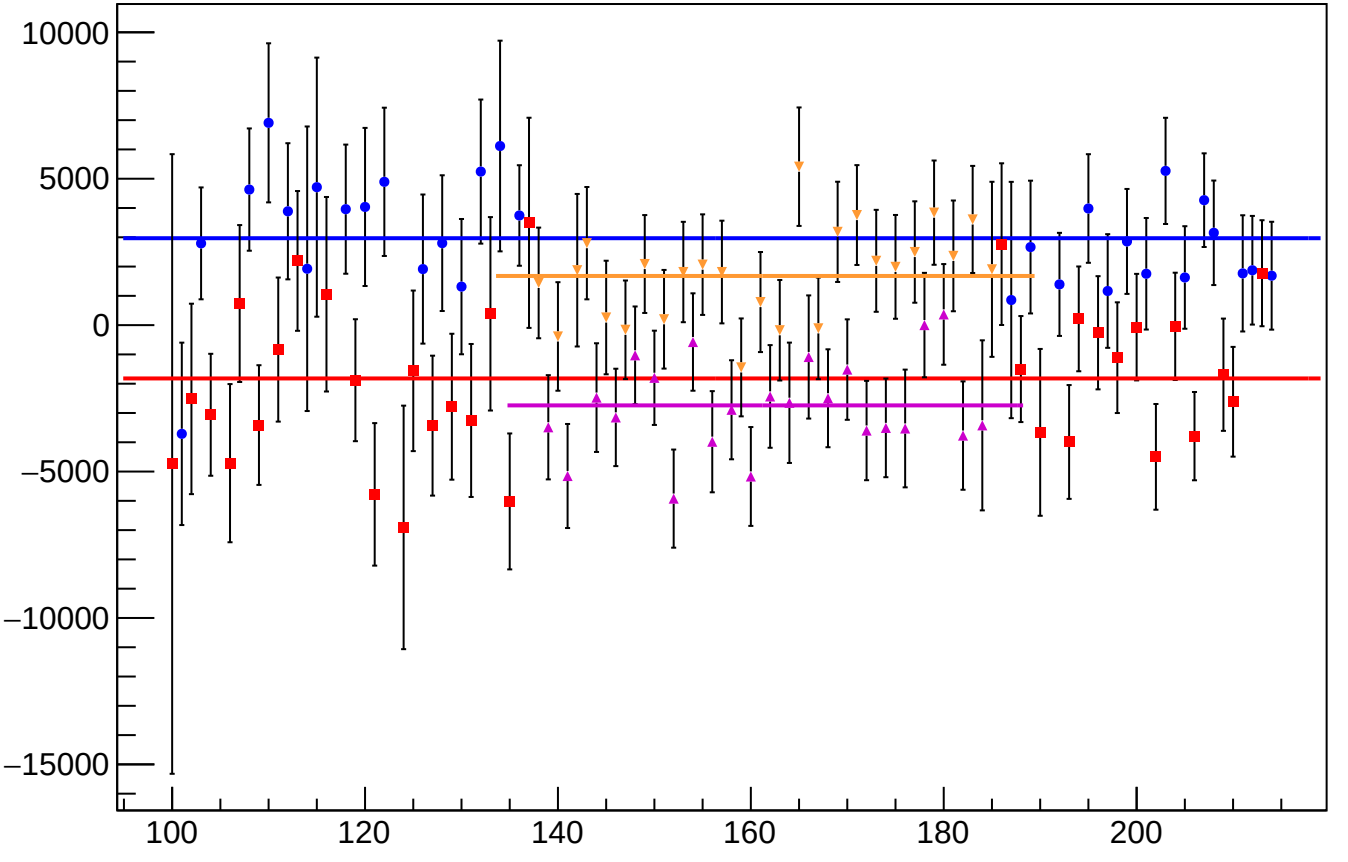
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5677.334+/-0.677 χ^2/NDF: 4318491.1/54

All: 5607.818+/-0.476 χ^2/NDF: 9795125.1/11

- sign 5539.628+/-0.670 χ^2/NDF: 5455741.0/55

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 2968.446+/-391.456 χ^2/NDF: 17.9/29

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1820.630+/-389.158 χ^2/NDF: 34.3/32

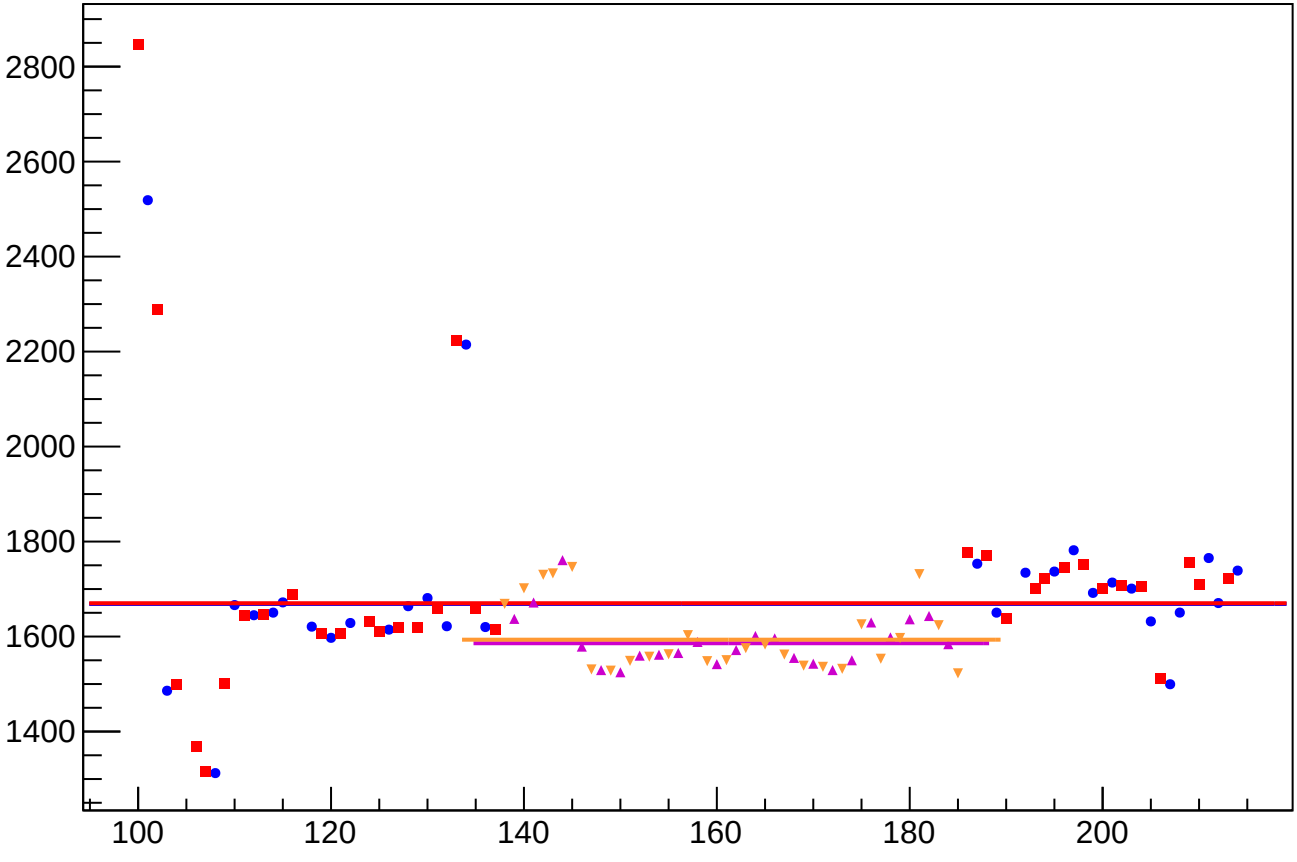
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2274.167+/-265.932 χ^2/NDF: 42.7/54

All: 6.477+/-188.900 χ^2/NDF: 245.9/110

- sign -2303.102+/-268.376 χ^2/NDF: 56.4/55

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1668.629+/-0.277 χ^2/NDF: 324439.4/29

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

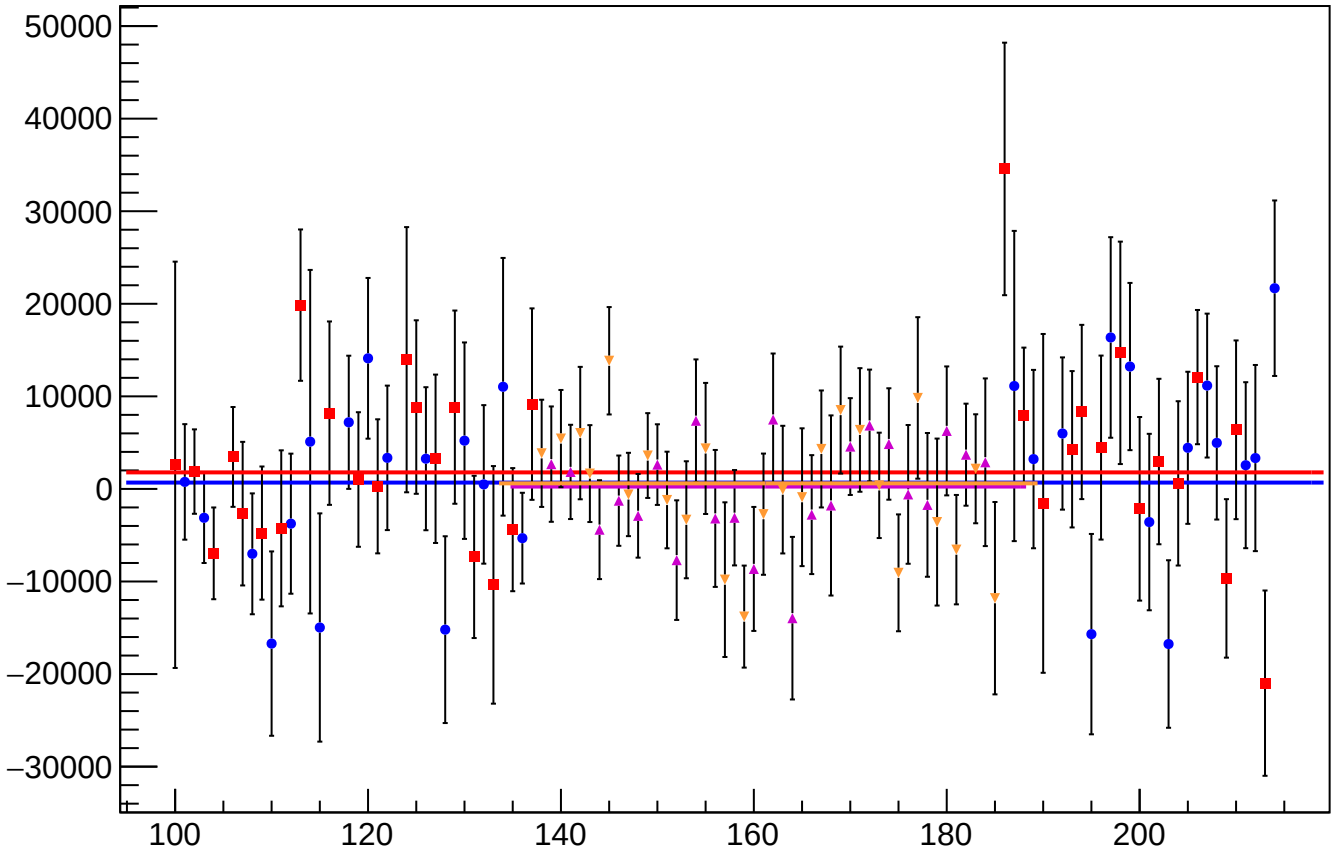
Right Out: 1670.147+/-0.275 χ^2/NDF: 296873.3/32

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1628.112+/-0.188 χ^2/NDF: 436103.5/54

All: 1627.062+/-0.134 χ^2/NDF: 824104.9/110

- sign 1625.993+/-0.190 χ^2/NDF: 387938.5/55



Right In: 685.109+/-1517.760 χ^2/NDF: 33.6/29

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: 1785.800+/-1435.609 χ^2/NDF: 33.1/32

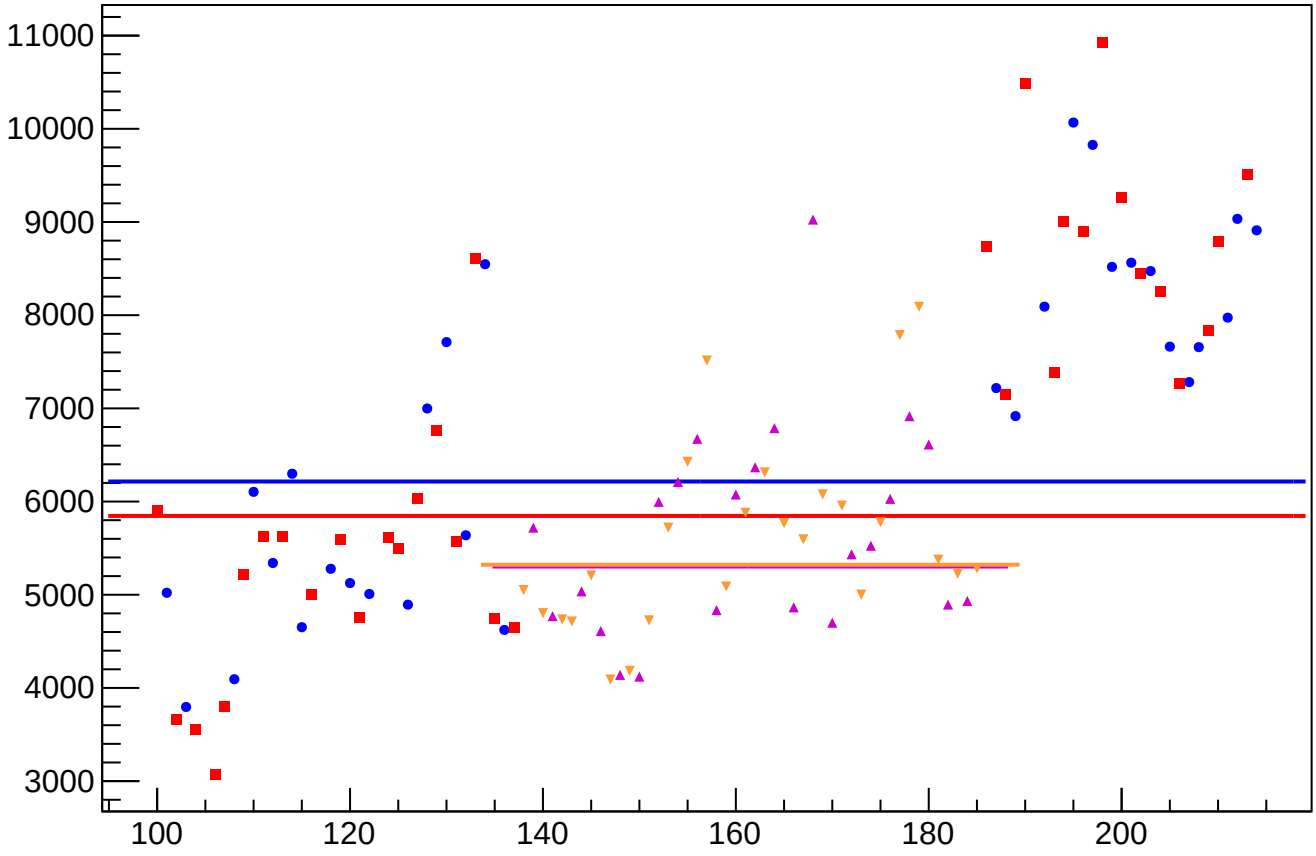
Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 634.950+/-957.266 χ^2/NDF: 59.7/54

All: 780.444+/-673.624 χ^2/NDF: 108.1/110

\- sign 923.164+/-948.096 χ^2/NDF: 48.4/55

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug



Right In: 6215.324+/-1.073 χ^2/NDF: 2864213.4/29

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5845.733+/-1.015 χ^2/NDF: 4142114.8/32

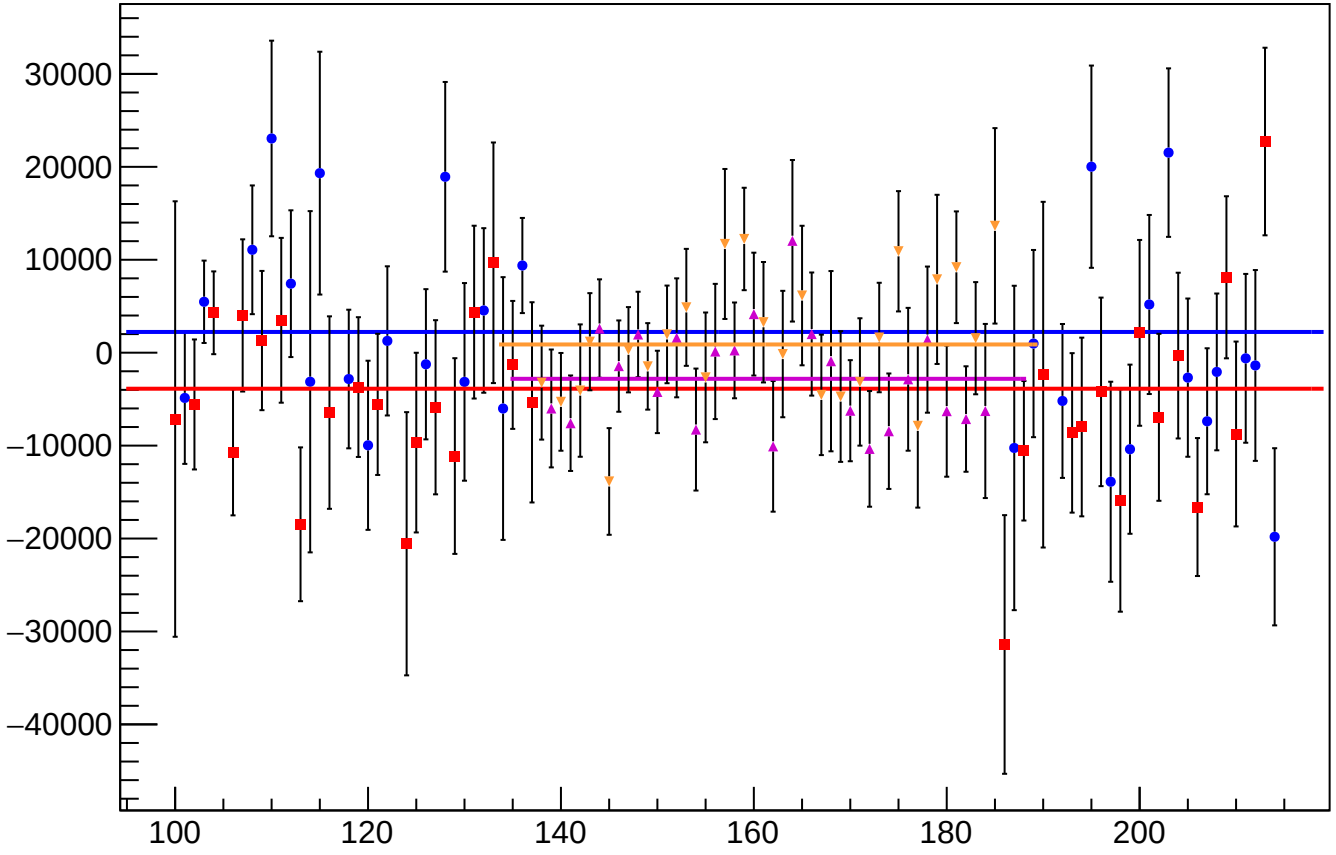
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5677.339+/-0.677 χ^2/NDF: 4318497.5/54

All: 5607.822+/-0.476 χ^2/NDF: 9795144.9/11

- sign 5539.631+/-0.670 χ^2/NDF: 5455753.8/55

asym_usr_atr2_avg_mean vs Slug



Right In: 2231.192+/-1548.280 χ^2/NDF: 37.5/29

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3877.526+/-1515.924 χ^2/NDF: 32.9/32

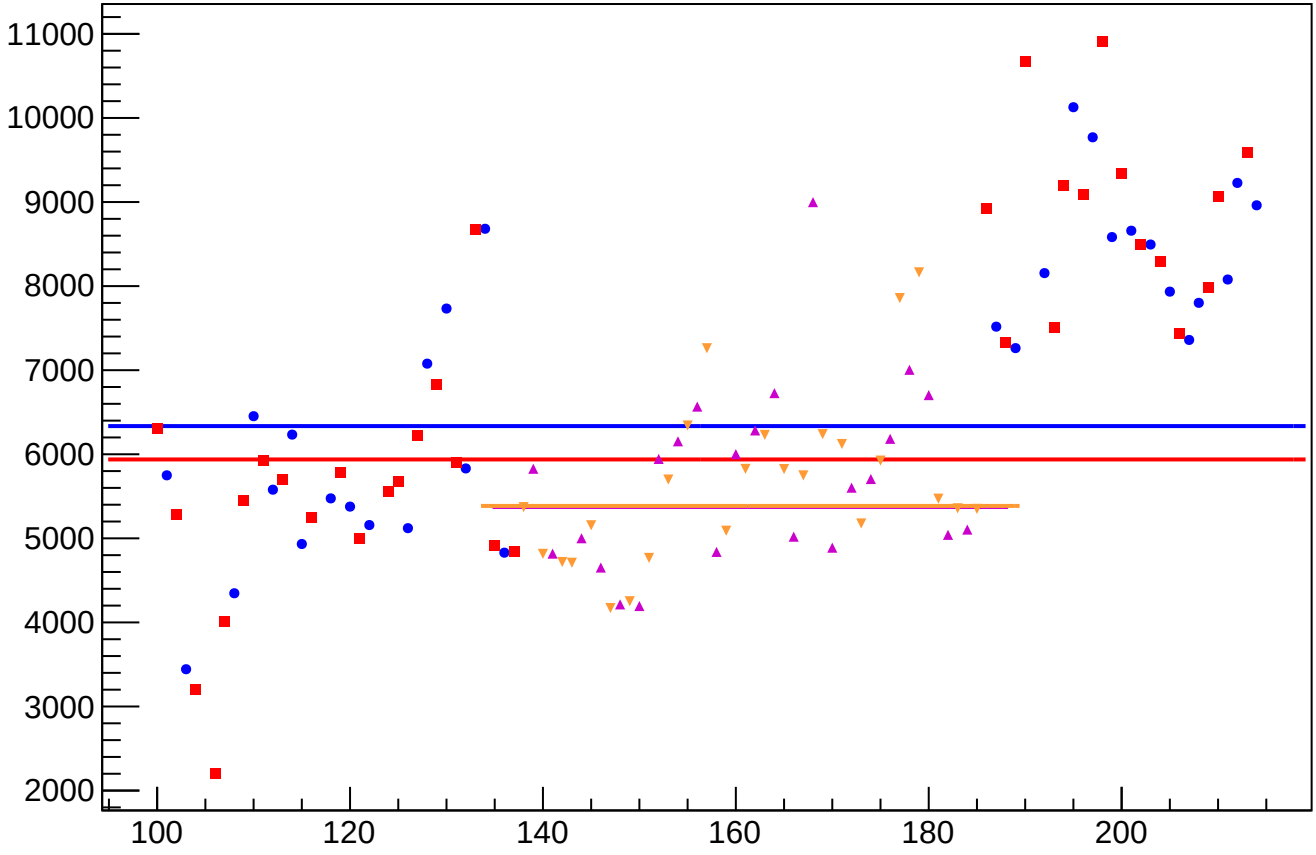
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1414.702+/-970.939 χ^2/NDF: 63.6/54

All: -905.513+/-688.605 χ^2/NDF: 123.0/110

- sign -3253.606+/-976.755 χ^2/NDF: 47.9/55

asym_usr_atr2_avg_rms vs Slug



Right In: 6335.130+/-1.095 χ^2/NDF: 2958283.4/29

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

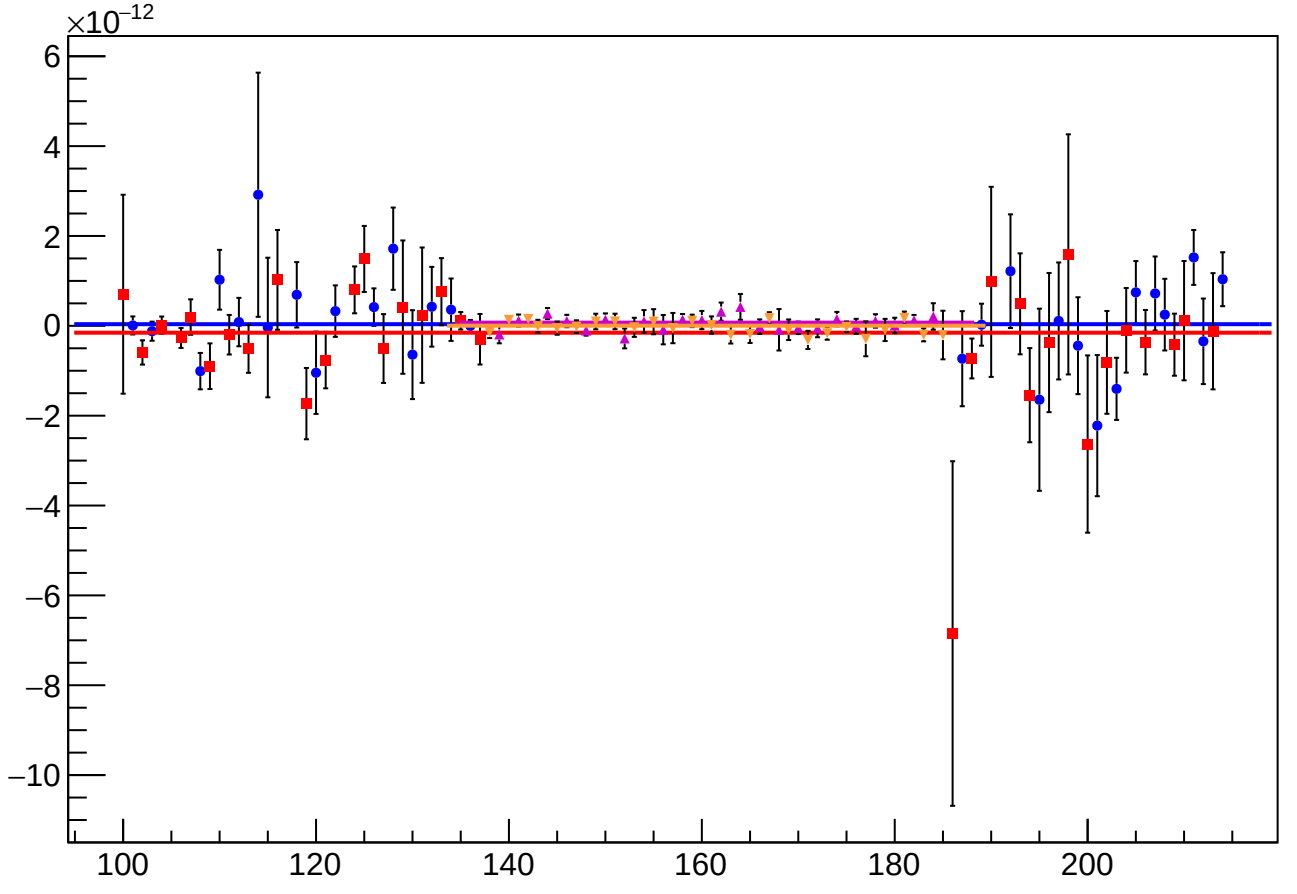
Right Out: 5938.280+/-1.045 χ^2/NDF: 4663062.9/32

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5759.049+/-0.687 χ^2/NDF: 4401723.8/54

All: 5686.515+/-0.484 χ^2/NDF: 10326450.1/1

- sign 5614.681+/-0.683 χ^2/NDF: 5902510.6/55



Right In: 0.000+/-0.000 χ^2/NDF: 37.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

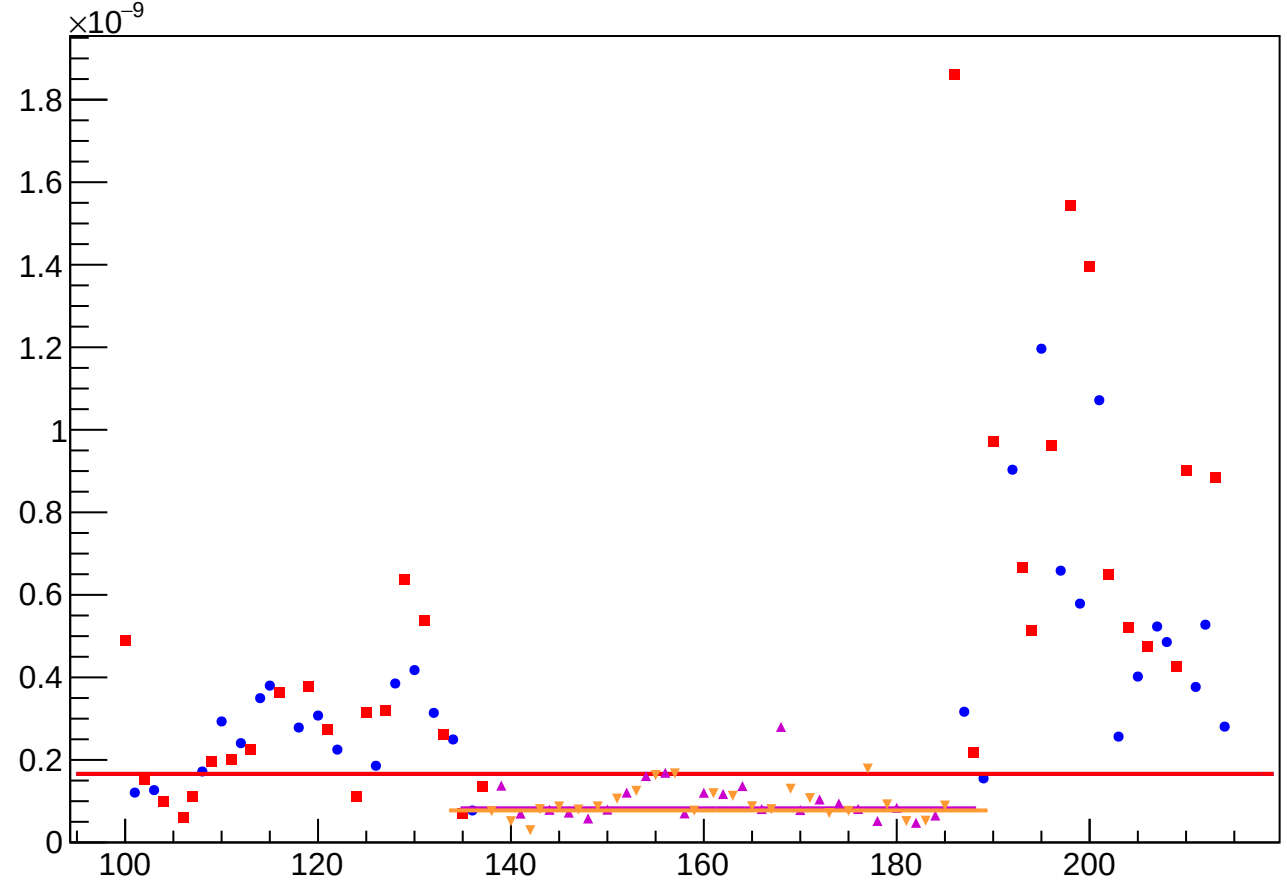
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/32

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.0/54

All: 0.000+/-0.000 χ^2/NDF: 113.6/110

- sign 0.000+/-0.000 χ^2/NDF: 57.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 5715646.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7795411.9/32

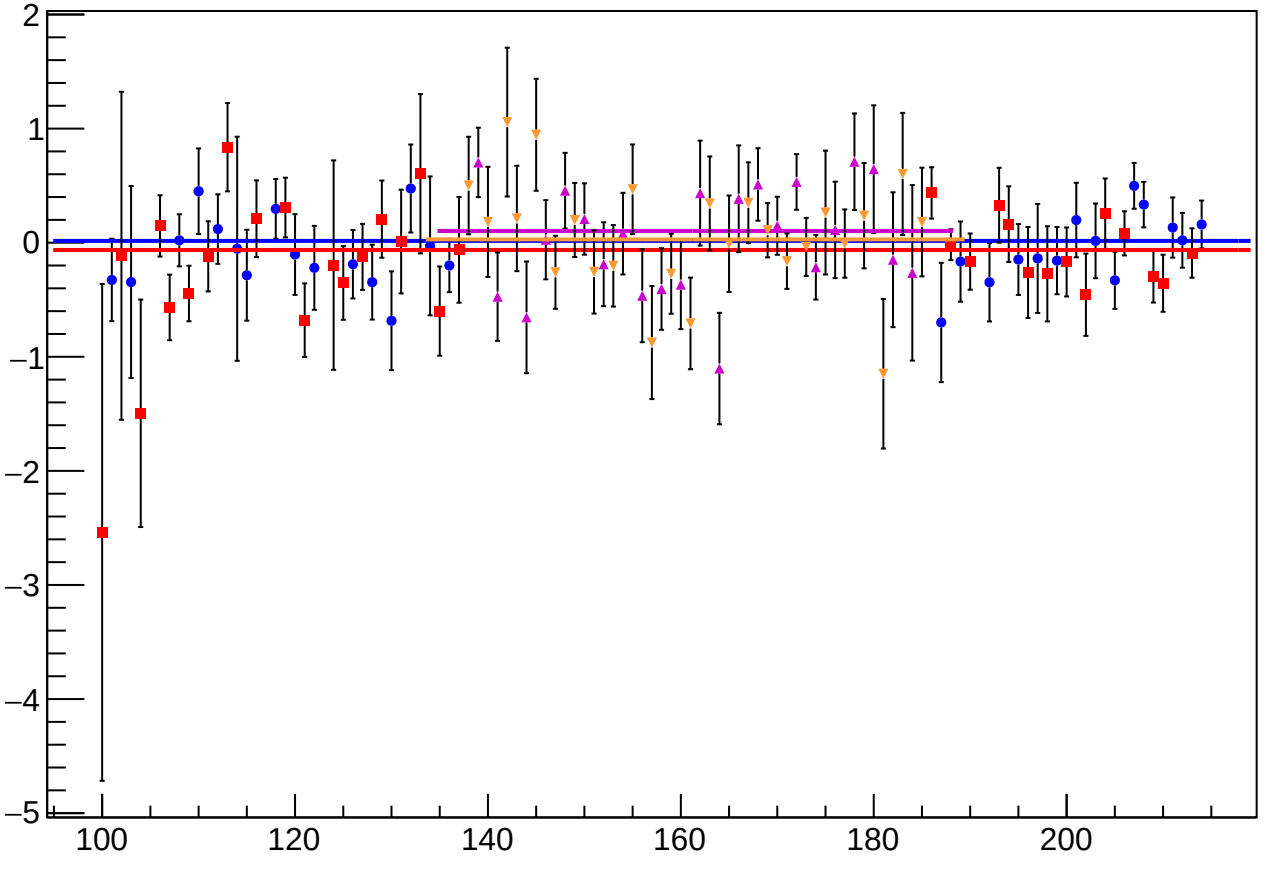
Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 9462789.6/54

All: 0.000+/-0.000 χ^2/NDF: 20506125.3/110

- sign 0.000+/-0.000 χ^2/NDF: 11018575.7/55

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.016+/-0.056 χ^2/NDF: 26.5/29

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.064+/-0.051 χ^2/NDF: 38.6/32

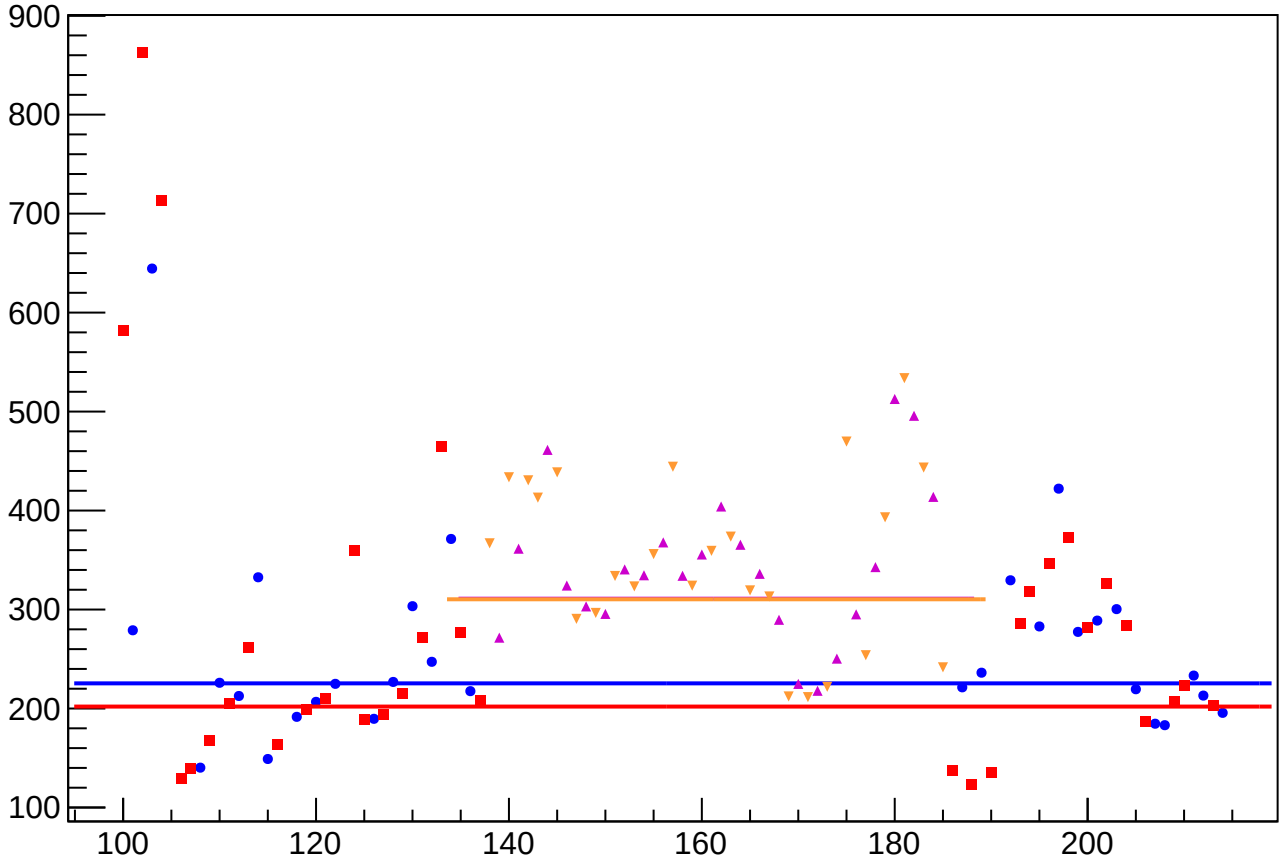
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.020+/-0.045 χ^2/NDF: 51.9/54

All: 0.004+/-0.031 χ^2/NDF: 126.3/110

- sign -0.012+/-0.043 χ^2/NDF: 74.1/55

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 225.427+/-0.039 χ^2/NDF: 2232503.7/29

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

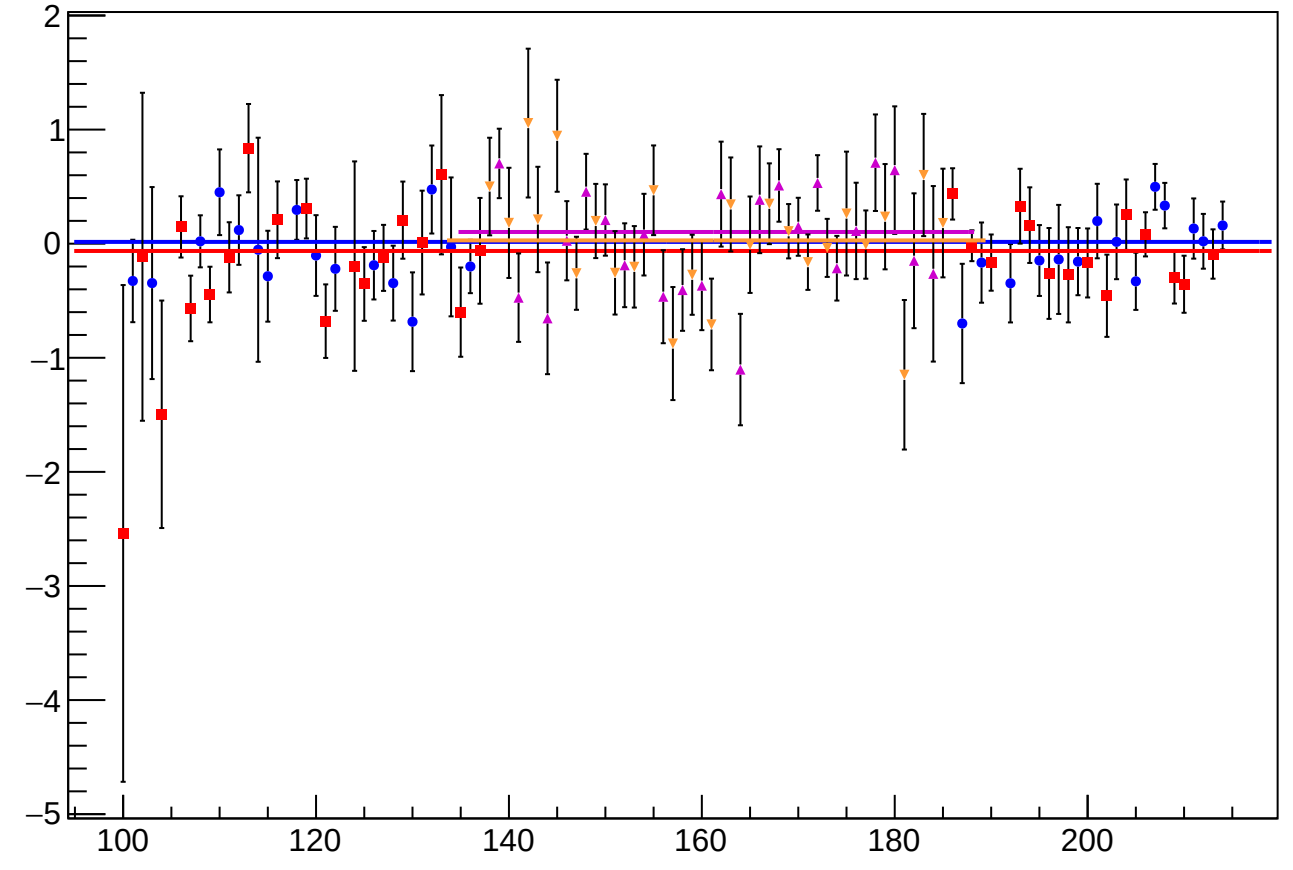
Right Out: 201.971+/-0.036 χ^2/NDF: 4355202.9/32

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 255.782+/-0.032 χ^2/NDF: 6258432.5/54

All: 245.456+/-0.022 χ^2/NDF: 15227412.4/11

- sign 236.037+/-0.030 χ^2/NDF: 8764330.7/55



Right In: 0.016+/-0.056 χ^2/NDF: 26.5/29

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

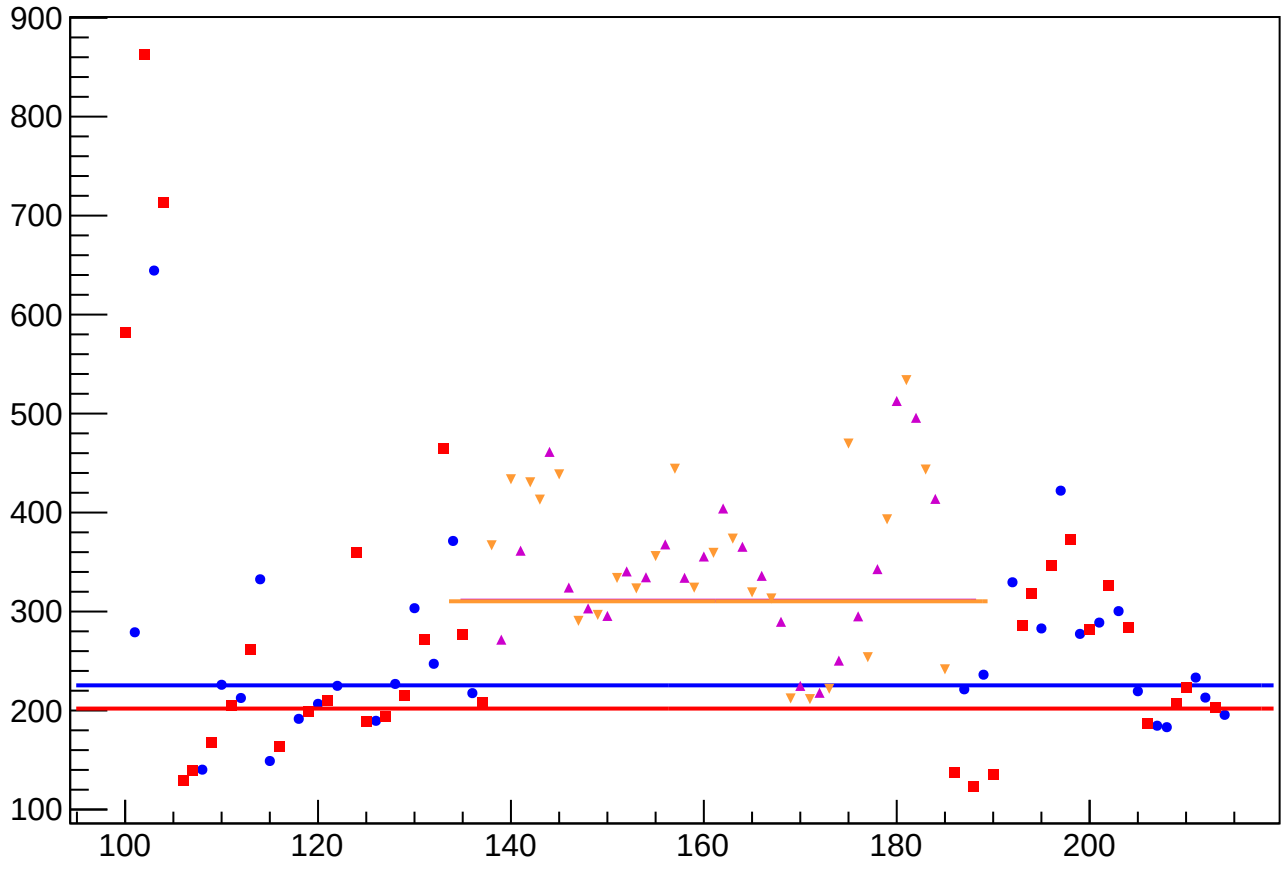
Right Out: -0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.020+/-0.045 χ^2/NDF: 51.9/54

All: 0.004+/-0.031 χ^2/NDF: 126.3/110

- sign -0.012+/-0.043 χ^2/NDF: 74.1/55



Right In: 225.427+/-0.039 χ^2/NDF: 2232503.7/29

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

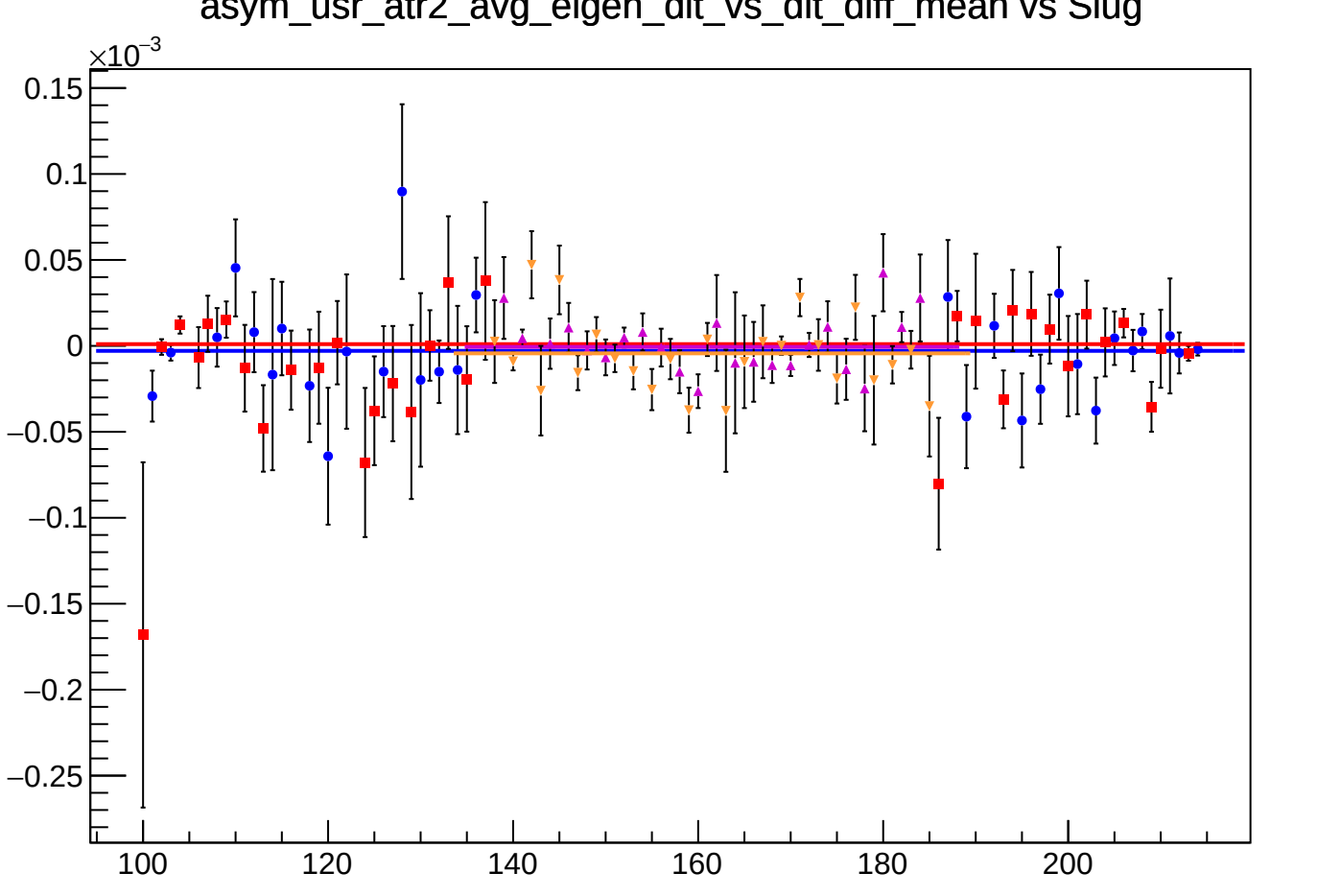
Right Out: 201.971+/-0.036 χ^2/NDF: 4355202.9/32

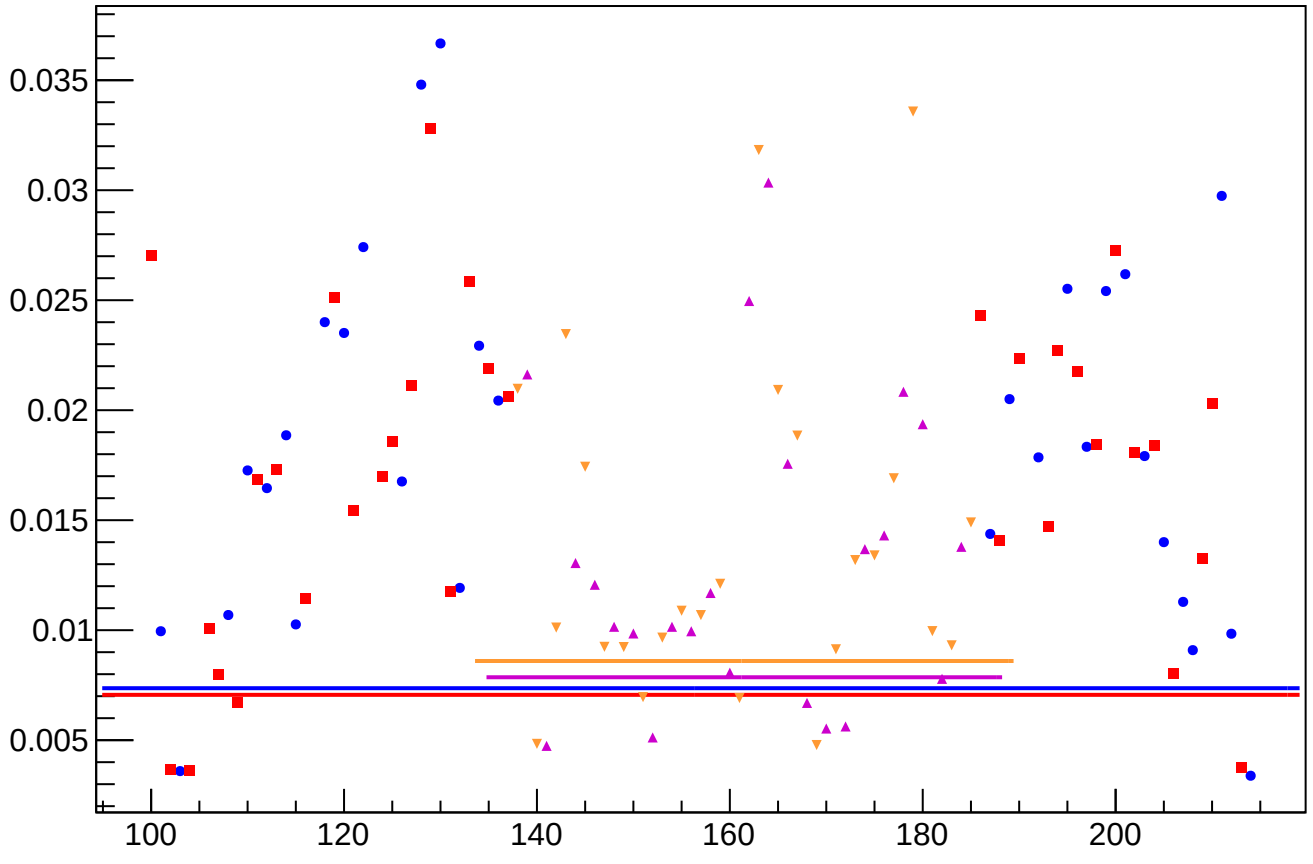
Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 255.782+/-0.032 χ^2/NDF: 6258432.5/54

All: 245.456+/-0.022 χ^2/NDF: 15227412.4/11

- sign 236.037+/-0.030 χ^2/NDF: 8764330.7/55


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/29
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.1/32
Left In: -0.000+/-0.000 χ²/NDF:26.6/22
+ sign -0.000+/-0.000 χ²/NDF: 71.5/54
All: -0.000+/-0.000 χ²/NDF: 145.5/110
- sign 0.000+/-0.000 χ²/NDF: 71.0/55



Right In: 0.007+/-0.000 χ^2/NDF: 14958937.6/29

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

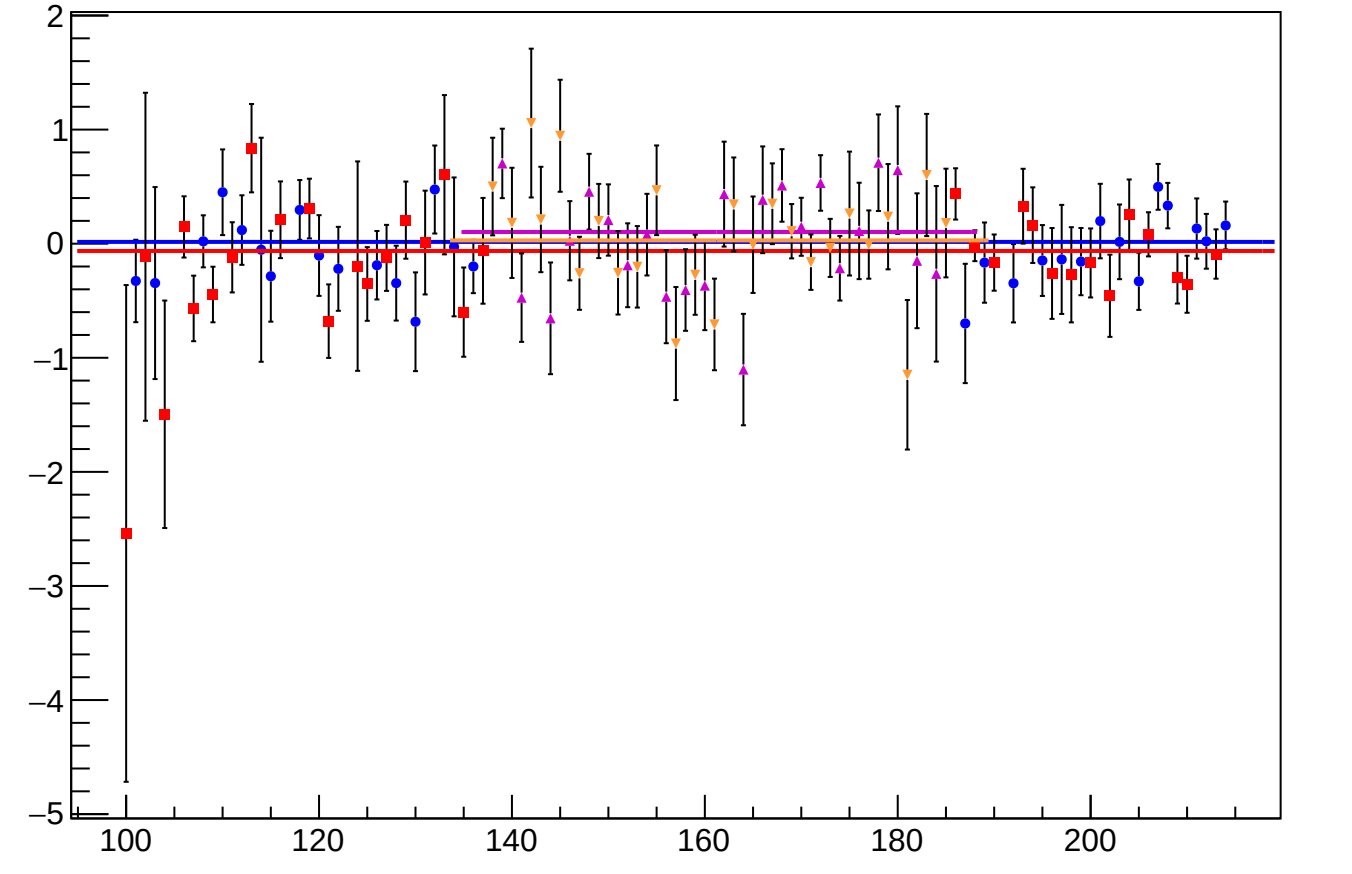
Right Out: 0.007+/-0.000 χ^2/NDF: 14546787.8/32

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 22906015.4/54

All: 0.008+/-0.000 χ^2/NDF: 44489503.7/110

- sign 0.007+/-0.000 χ^2/NDF: 21464963.5/55



Right In: 0.016+/-0.056 χ^2/NDF: 26.5/29

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

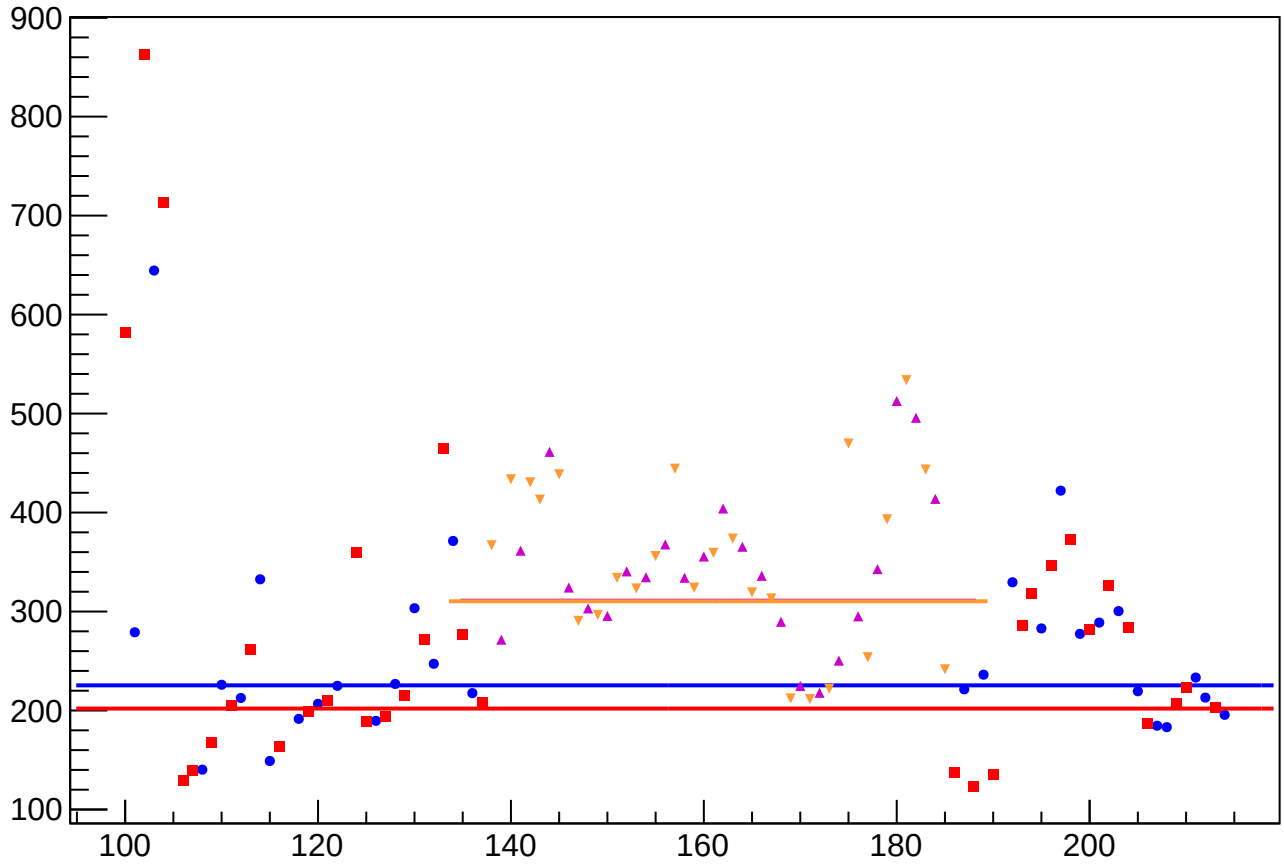
Right Out: -0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.020+/-0.045 χ^2/NDF: 51.9/54

All: 0.004+/-0.031 χ^2/NDF: 126.3/110

- sign -0.012+/-0.043 χ^2/NDF: 74.1/55



Right In: 225.426+/-0.039 χ^2/NDF: 2232510.7/29

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

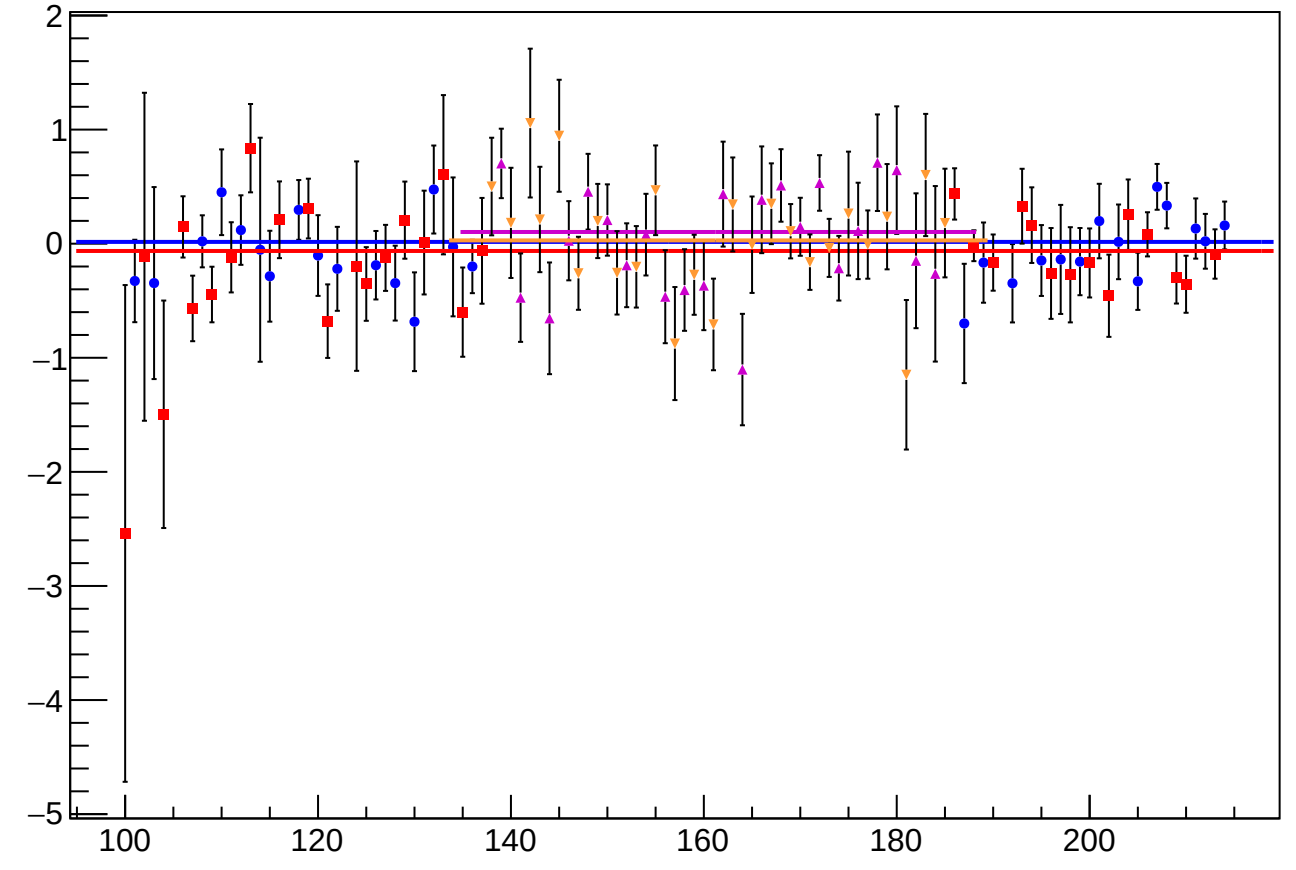
Right Out: 201.968+/-0.036 χ^2/NDF: 4355359.3/32

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 255.782+/-0.032 χ^2/NDF: 6258631.3/54

All: 245.455+/-0.022 χ^2/NDF: 15228116.8/11

- sign 236.036+/-0.030 χ^2/NDF: 8764796.6/55



Right In: 0.016+/-0.056 χ^2/NDF: 26.5/29

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

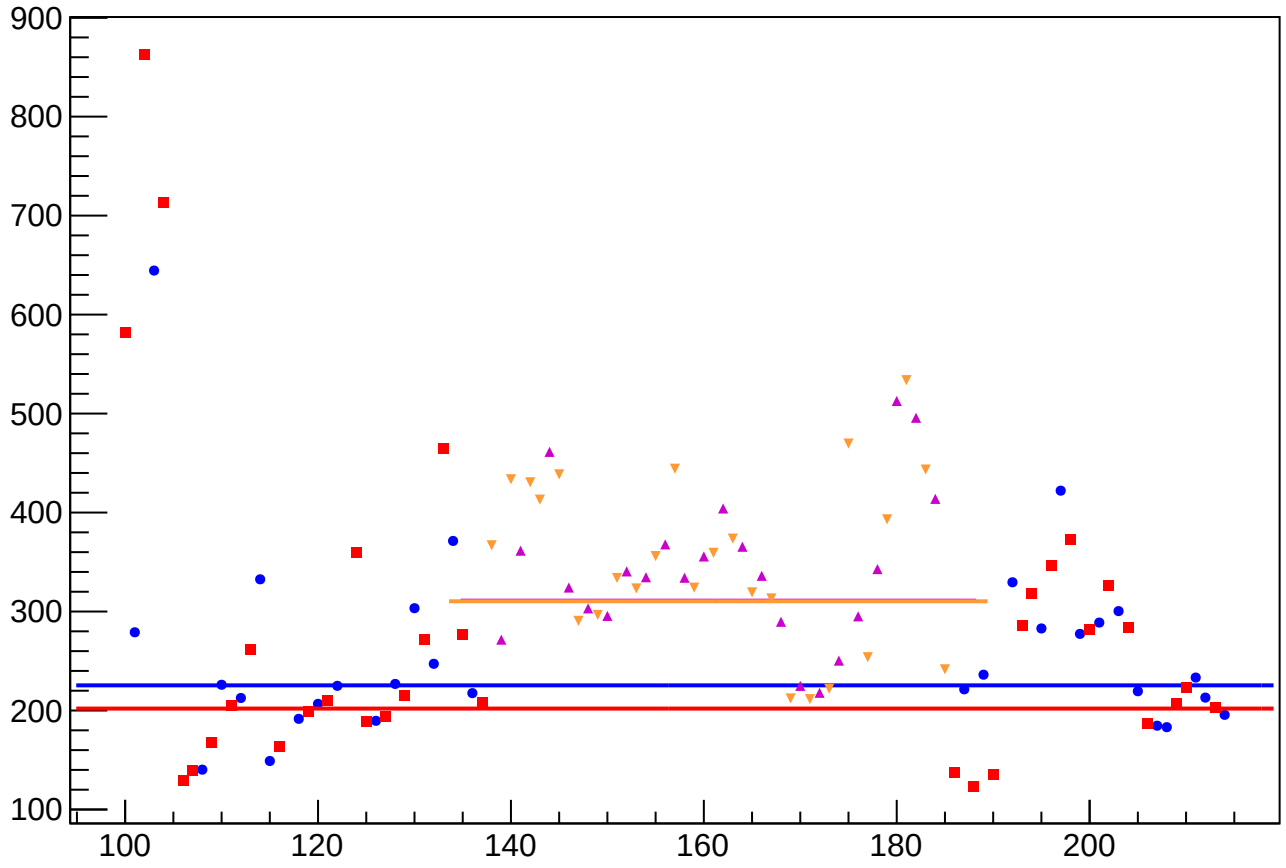
Right Out: -0.064+/-0.051 χ^2/NDF: 38.6/32

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign 0.020+/-0.045 χ^2/NDF: 51.9/54

All: 0.004+/-0.031 χ^2/NDF: 126.3/110

- sign -0.012+/-0.043 χ^2/NDF: 74.1/55



Right In: 225.426+/-0.039 χ^2/NDF: 2232510.7/29

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

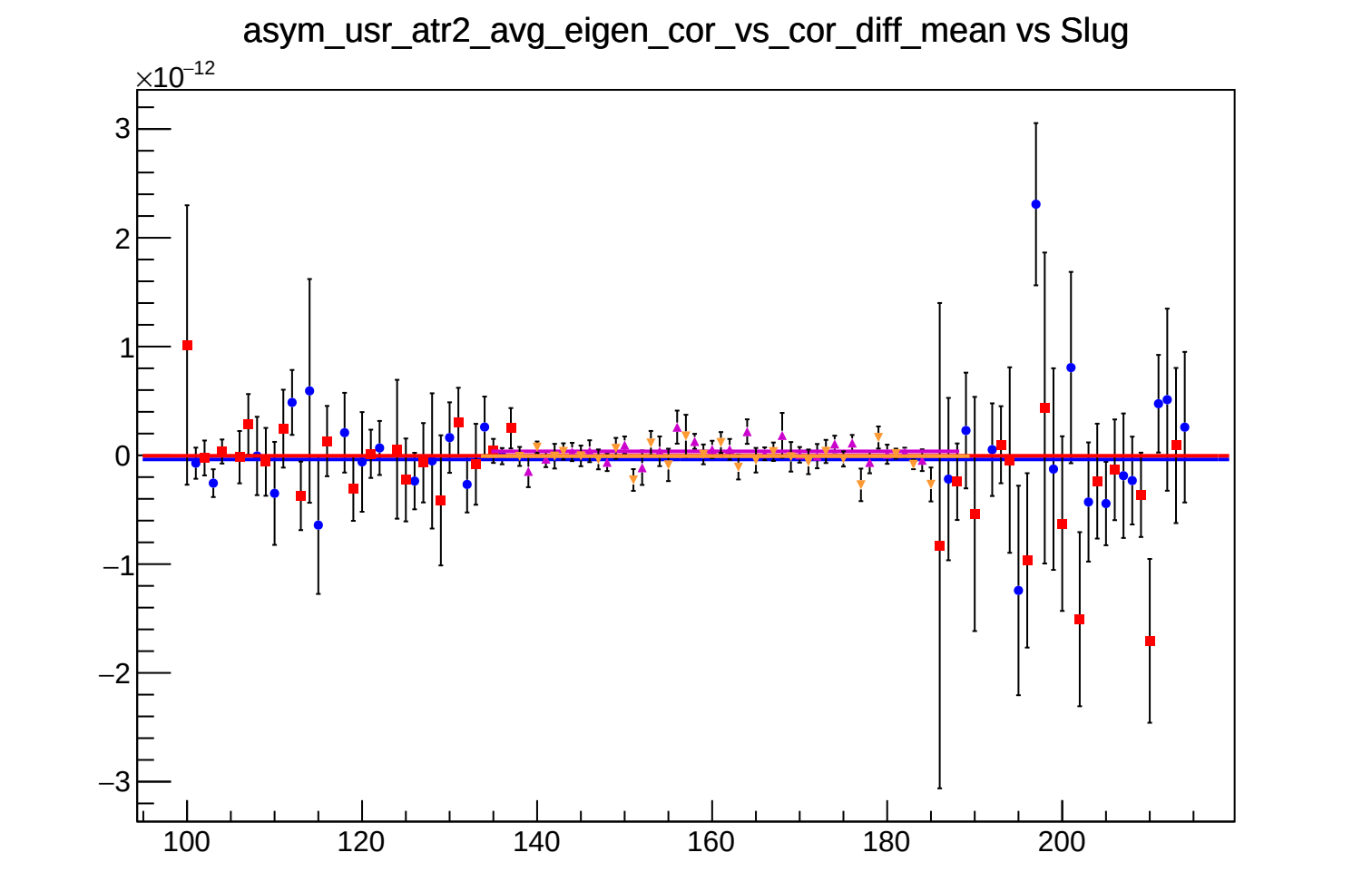
Right Out: 201.968+/-0.036 χ^2/NDF: 4355359.3/32

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 255.782+/-0.032 χ^2/NDF: 6258631.3/54

All: 245.455+/-0.022 χ^2/NDF: 15228116.8/1

- sign 236.036+/-0.030 χ^2/NDF: 8764796.6/55



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

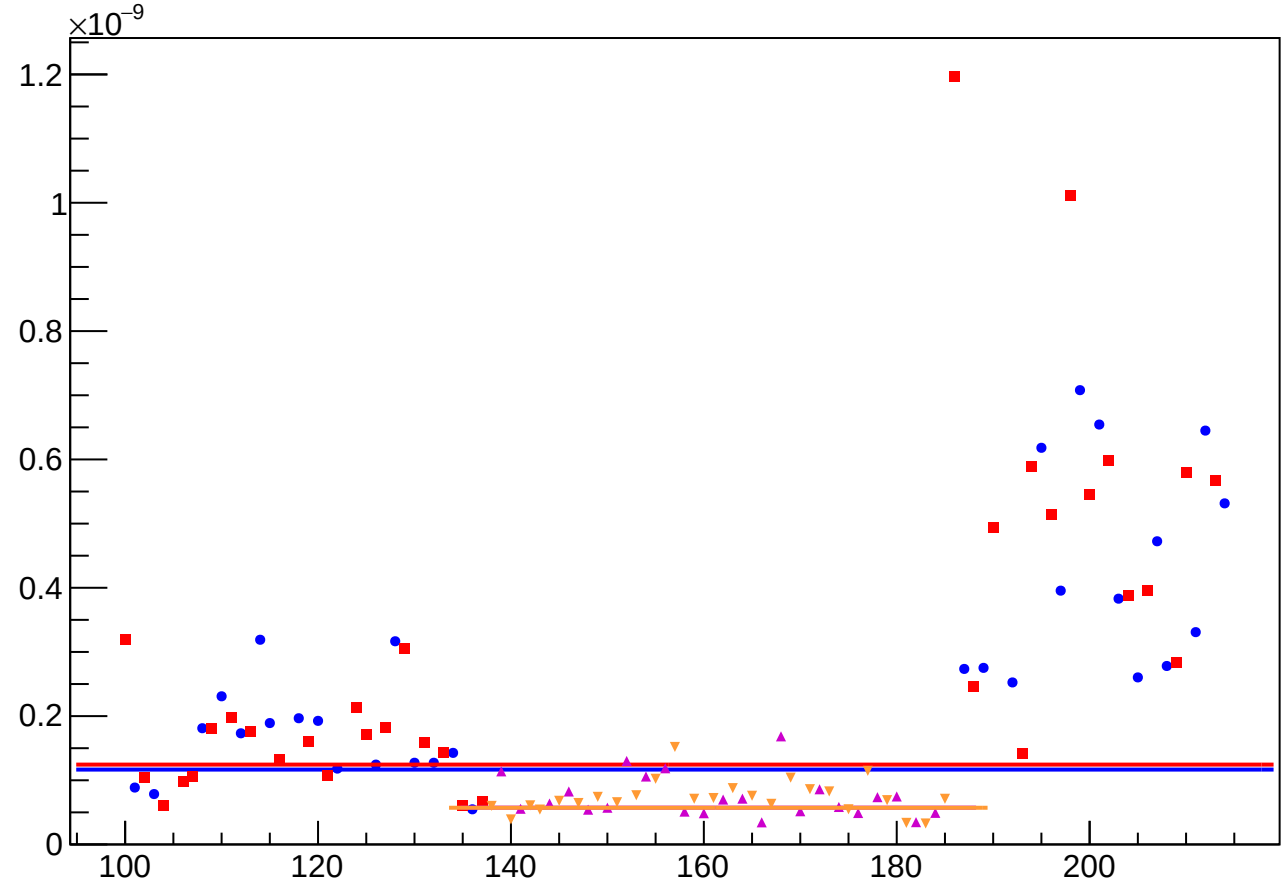
Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/32

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.2/54

All: 0.000+/-0.000 χ^2/NDF: 96.7/110

- sign 0.000+/-0.000 χ^2/NDF: 39.0/55



Right In: 0.000+/-0.000 χ^2/NDF: 9043693.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9258796.9/32

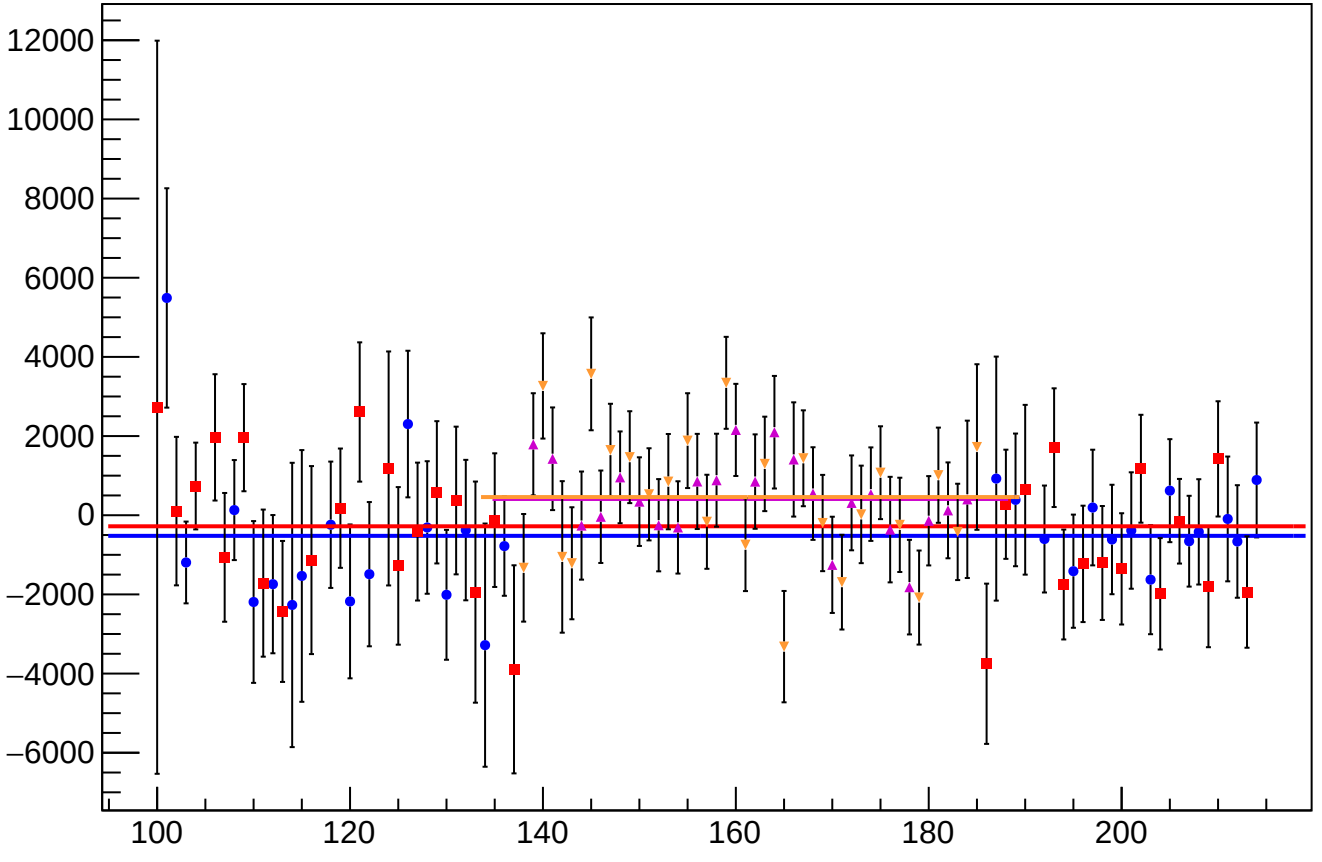
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15166223.2/54

All: 0.000+/-0.000 χ^2/NDF: 31013687.3/110

- sign 0.000+/-0.000 χ^2/NDF: 15844875.4/55

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -520.681+/-285.805 χ^2/NDF: 15.6/29

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -279.282+/-281.306 χ^2/NDF: 28.0/32

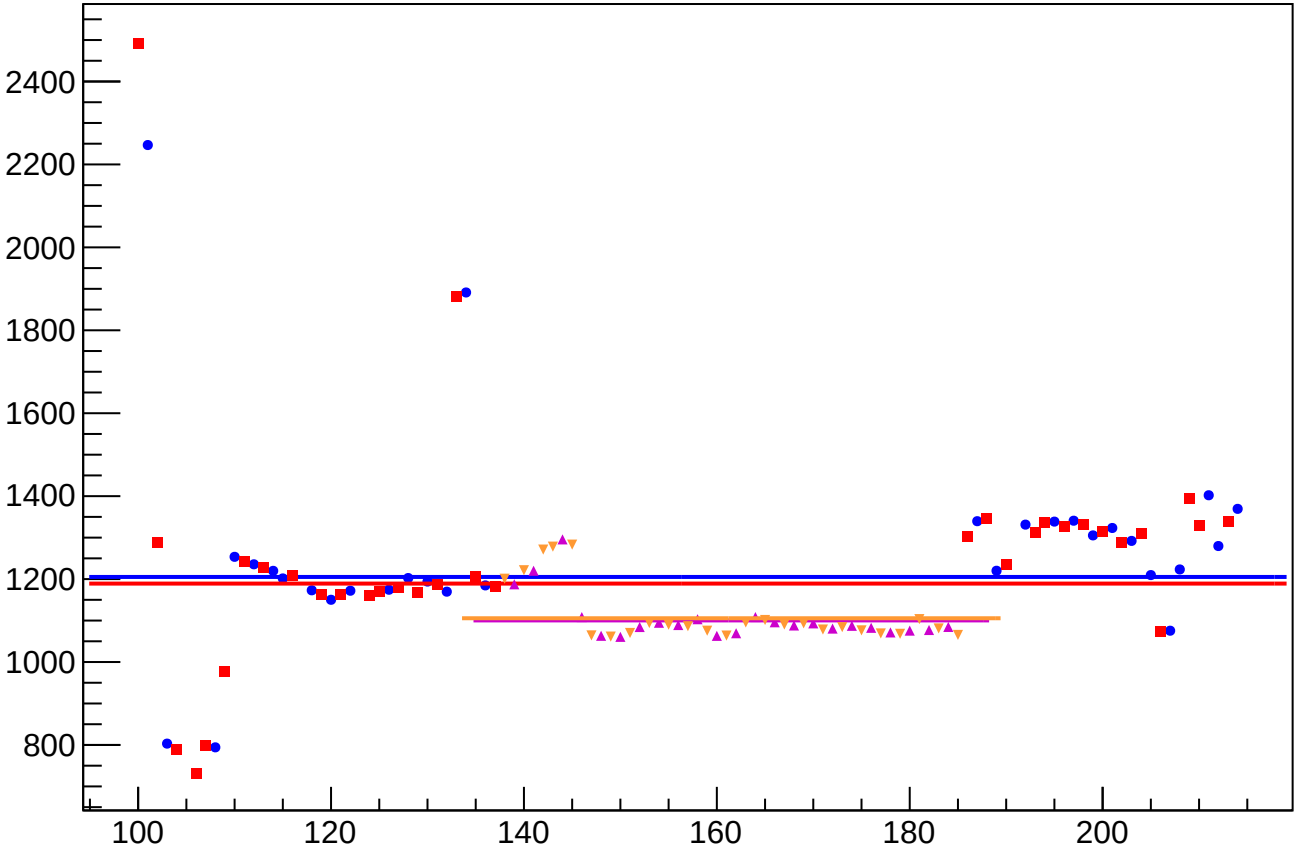
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 31.260+/-188.823 χ^2/NDF: 64.3/54

All: 63.877+/-133.869 χ^2/NDF: 109.3/110

- sign 96.839+/-189.819 χ^2/NDF: 45.0/55

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1205.159+/-0.202 χ^2/NDF: 1079383.6/29

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

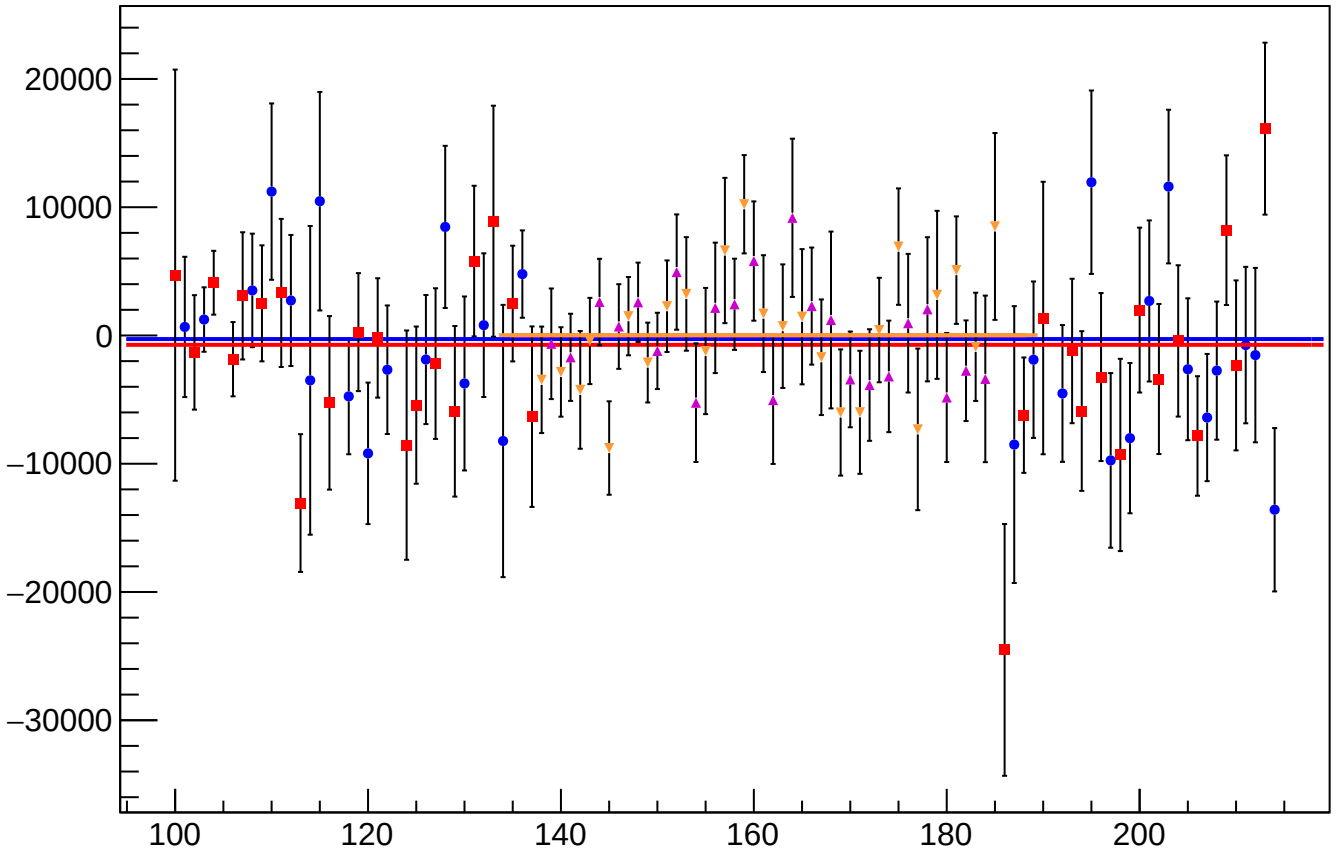
Right Out: 1189.154+/-0.198 χ^2/NDF: 1056056.3/32

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1149.027+/-0.134 χ^2/NDF: 1338231.5/54

All: 1145.006+/-0.095 χ^2/NDF: 2585370.9/11

- sign 1140.957+/-0.134 χ^2/NDF: 1245318.9/55



Right In: -279.711+/-983.834 χ^2/NDF: 33.2/29

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -728.225+/-922.274 χ^2/NDF: 38.0/32

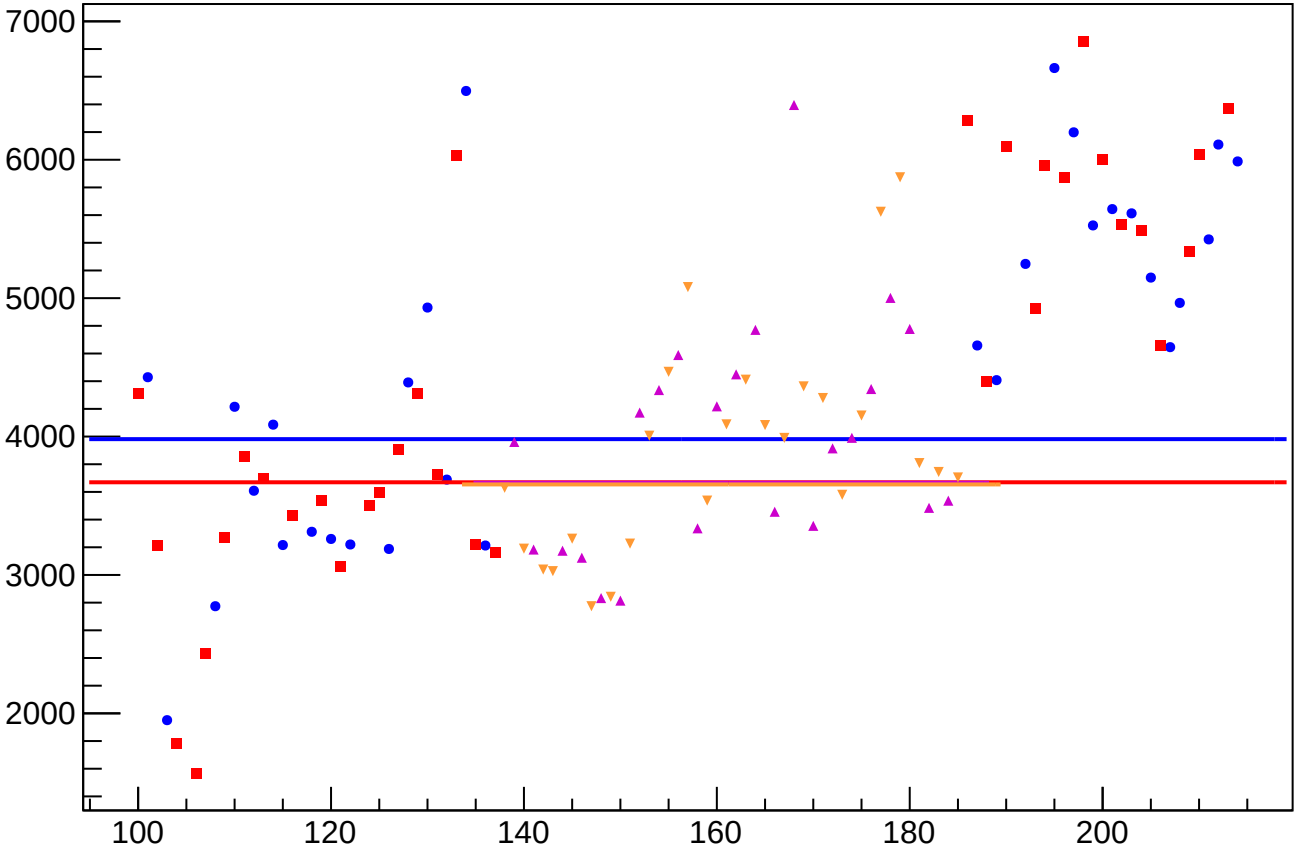
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign -106.240+/-643.369 χ^2/NDF: 61.7/54

All: -228.930+/-451.896 χ^2/NDF: 114.1/110

- sign -348.401+/-634.871 χ^2/NDF: 52.3/55

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3981.346+/-0.696 χ^2/NDF: 3688436.9/29

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3669.614+/-0.652 χ^2/NDF: 5347284.7/32

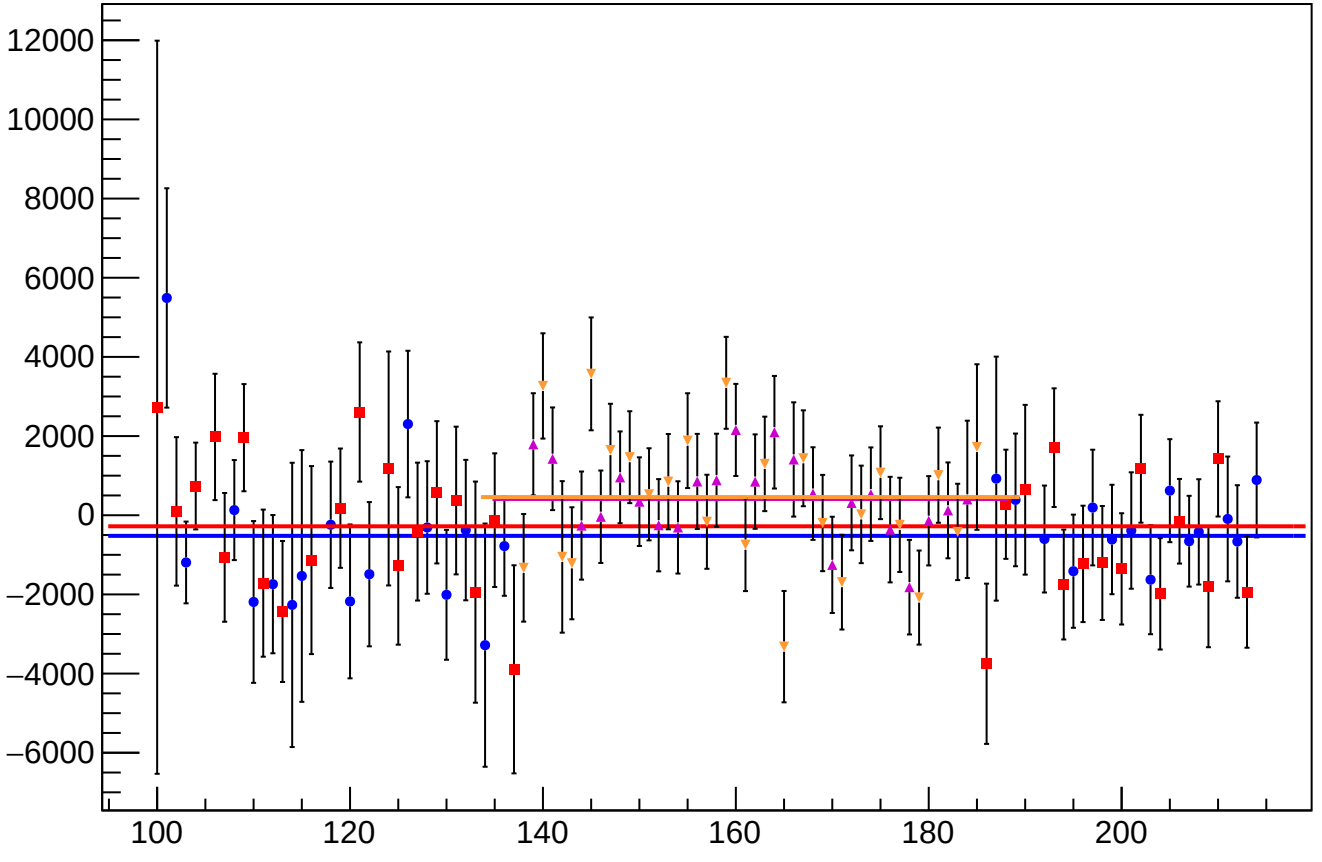
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3794.099+/-0.455 χ^2/NDF: 5126773.3/54

All: 3730.097+/-0.320 χ^2/NDF: 11856847.7/1

- sign 3667.775+/-0.449 χ^2/NDF: 6691009.1/55

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -520.716+/-285.806 χ^2/NDF: 15.6/29

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -279.120+/-281.307 χ^2/NDF: 28.0/32

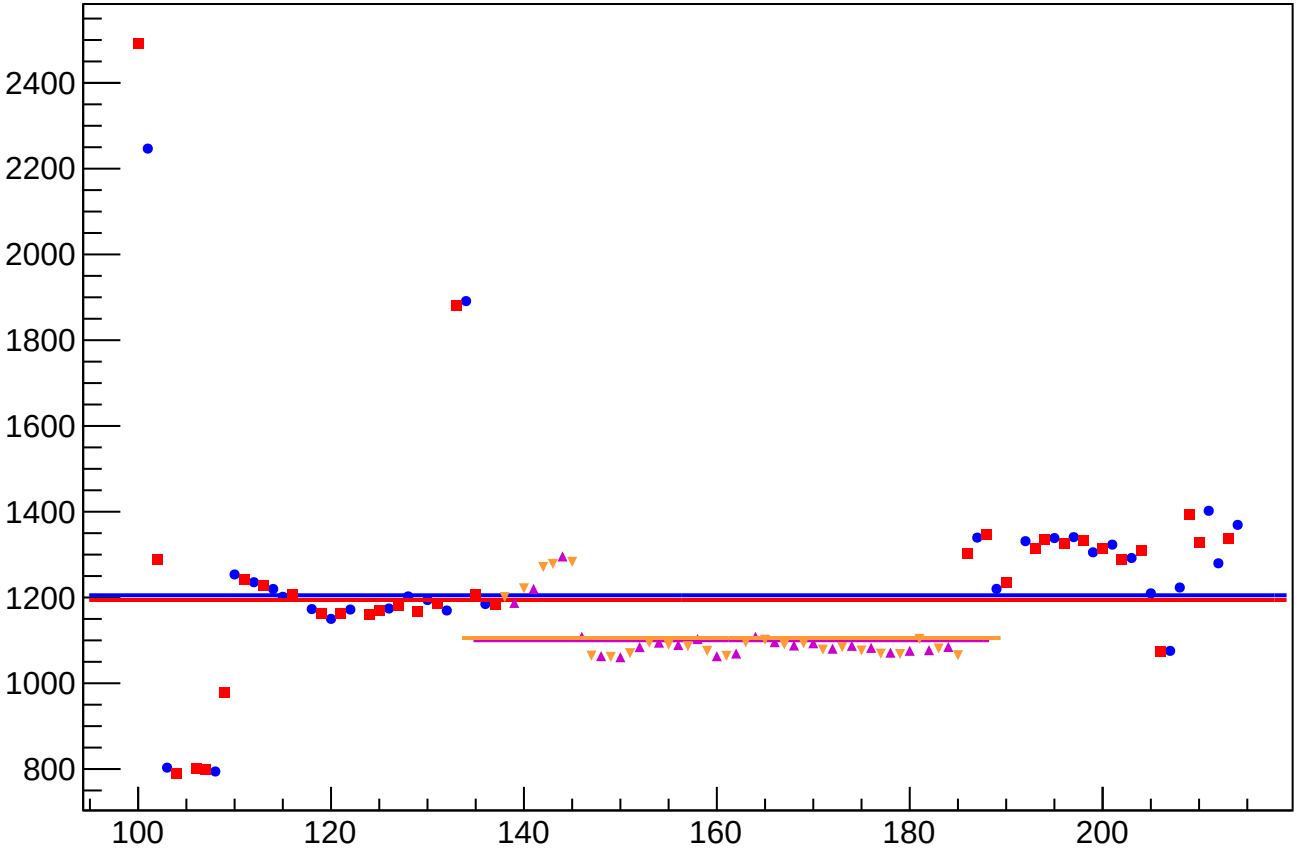
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 31.279+/-188.824 χ^2/NDF: 64.3/54

All: 63.898+/-133.869 χ^2/NDF: 109.3/110

- sign 96.861+/-189.820 χ^2/NDF: 45.0/55

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1205.159+/-0.202 χ^2/NDF: 1079378.9/29

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1194.190+/-0.199 χ^2/NDF: 974627.5/32

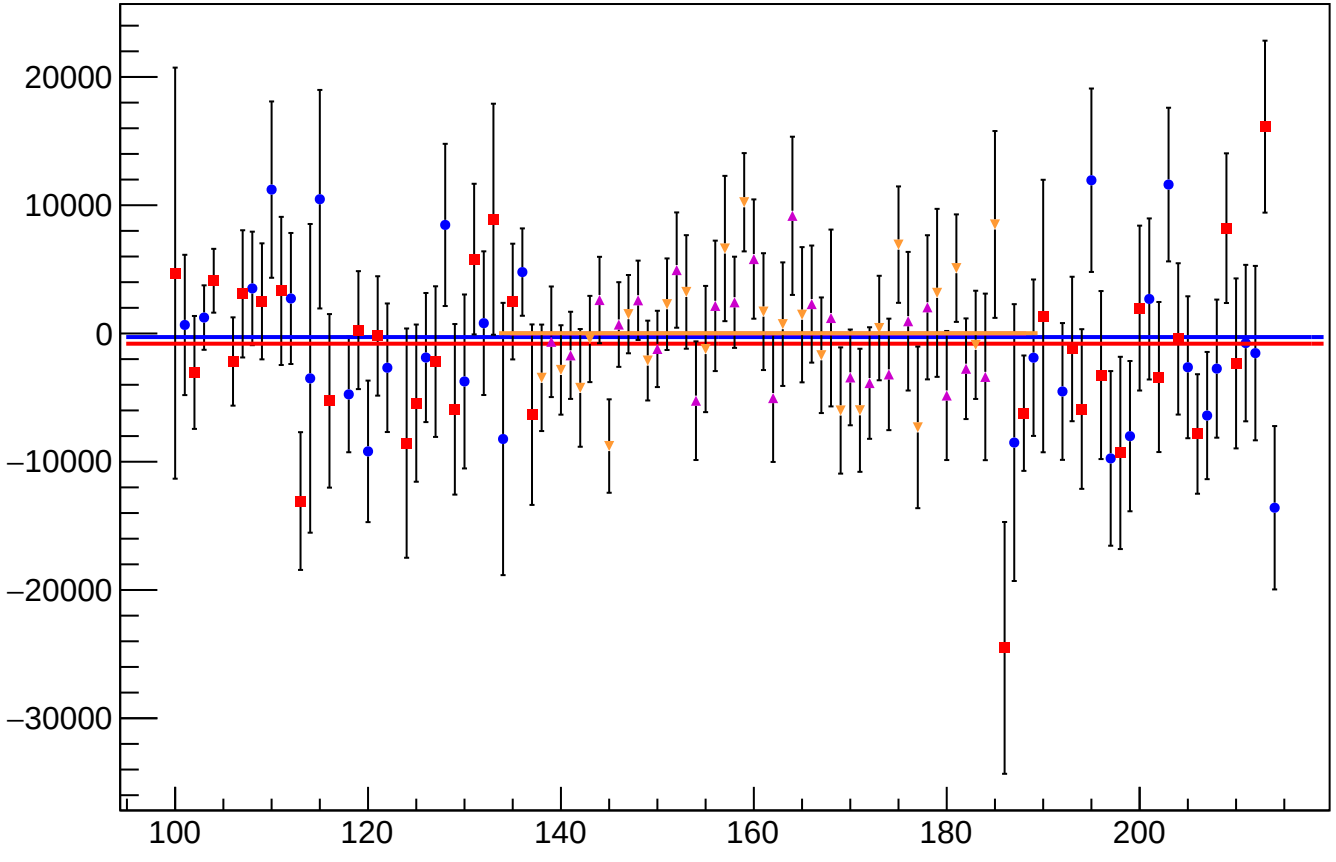
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

\+ sign 1149.027+/-0.134 χ^2/NDF: 1338227.6/54

All: 1146.088+/-0.095 χ^2/NDF: 2515412.1/11

\- sign 1143.120+/-0.134 χ^2/NDF: 1176210.4/55

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: -280.141+/-983.859 χ^2/NDF: 33.2/29

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -797.062+/-935.756 χ^2/NDF: 38.3/32

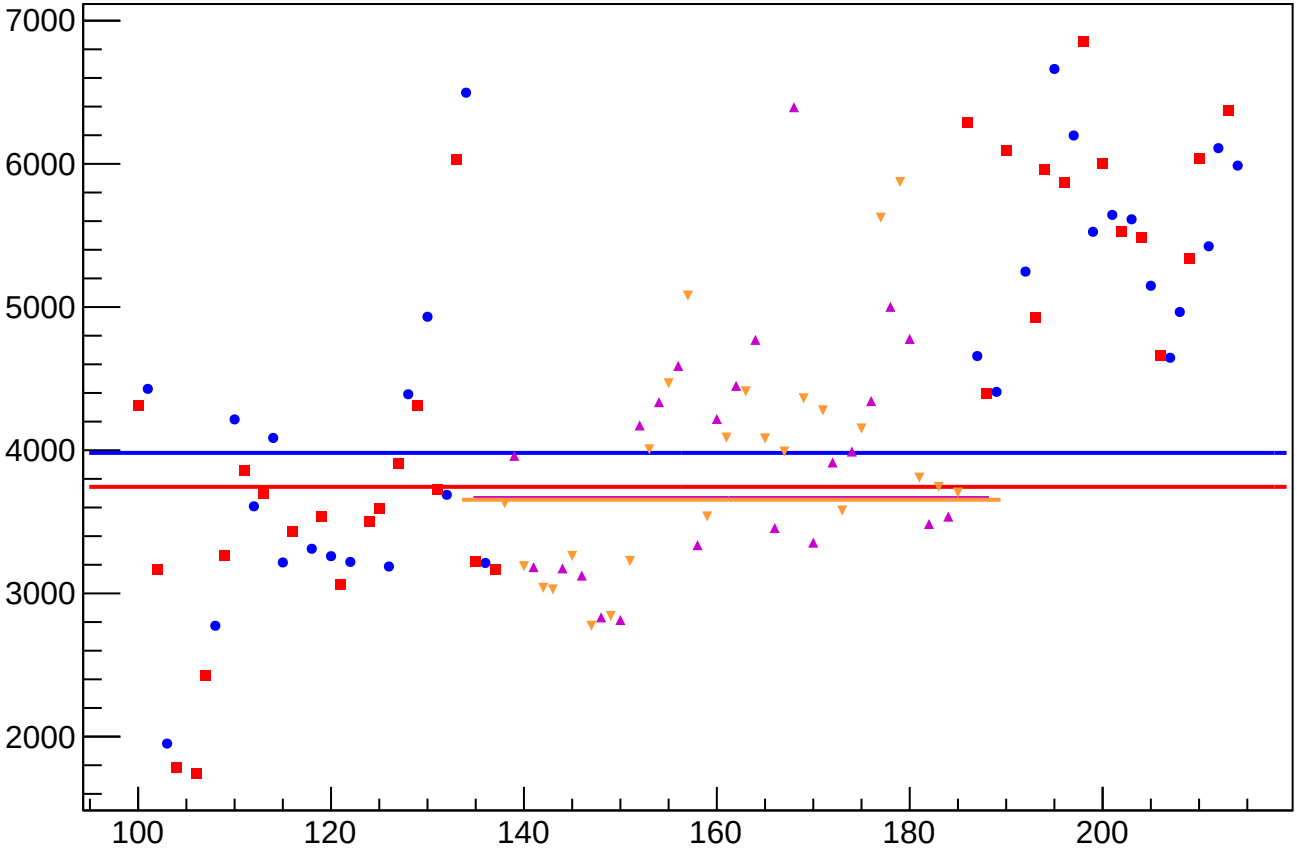
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -106.422+/-643.376 χ^2/NDF: 61.7/54

All: -241.748+/-453.458 χ^2/NDF: 114.5/110

- sign -375.330+/-639.218 χ^2/NDF: 52.7/55

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3981.504+/-0.696 χ^2/NDF: 3687532.4/29

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3744.307+/-0.662 χ^2/NDF: 4909726.3/32

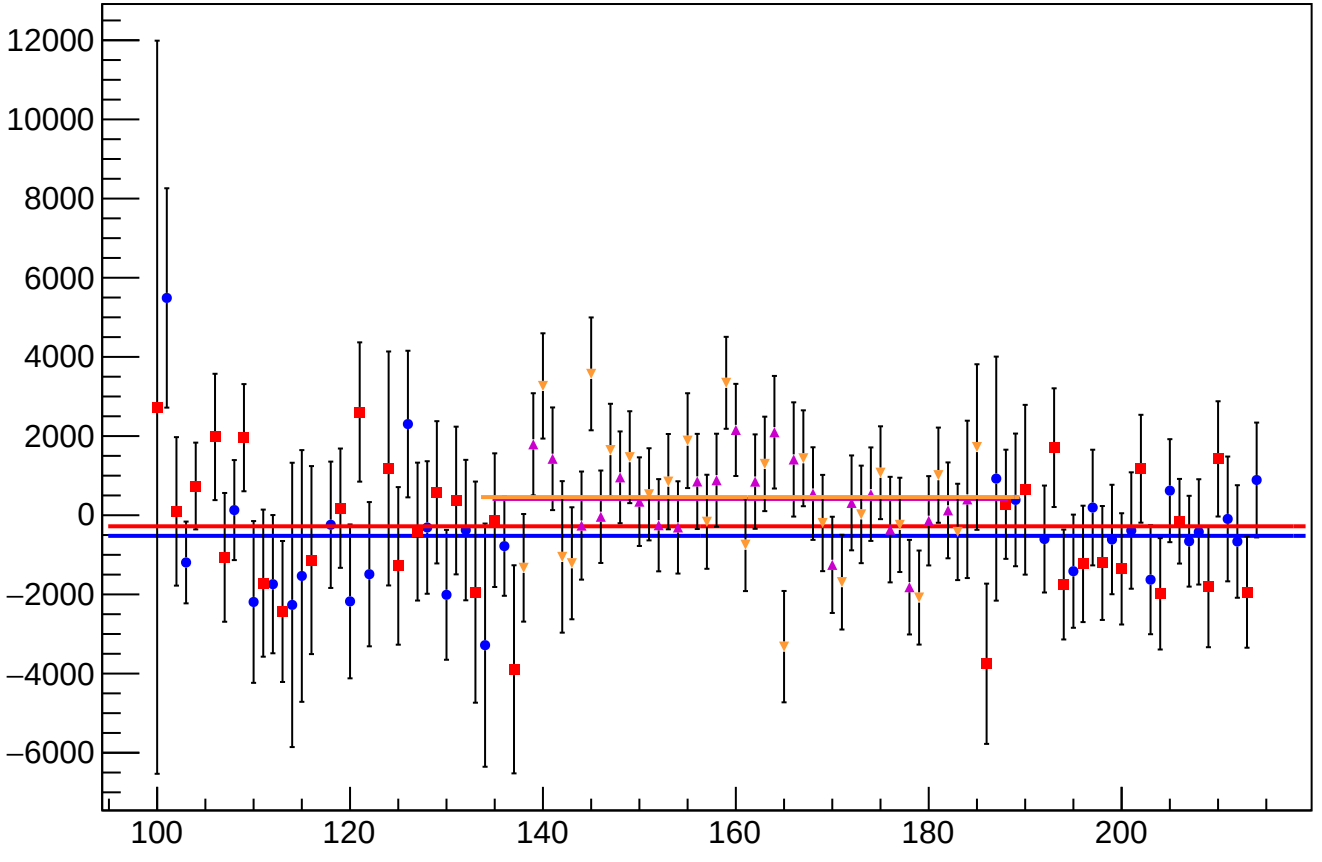
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3794.161+/-0.455 χ^2/NDF: 5125997.1/54

All: 3748.084+/-0.321 χ^2/NDF: 11407267.3/1

- sign 3702.601+/-0.452 χ^2/NDF: 6260886.4/55

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -520.716+/-285.806 χ^2/NDF: 15.6/29

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -279.120+/-281.307 χ^2/NDF: 28.0/32

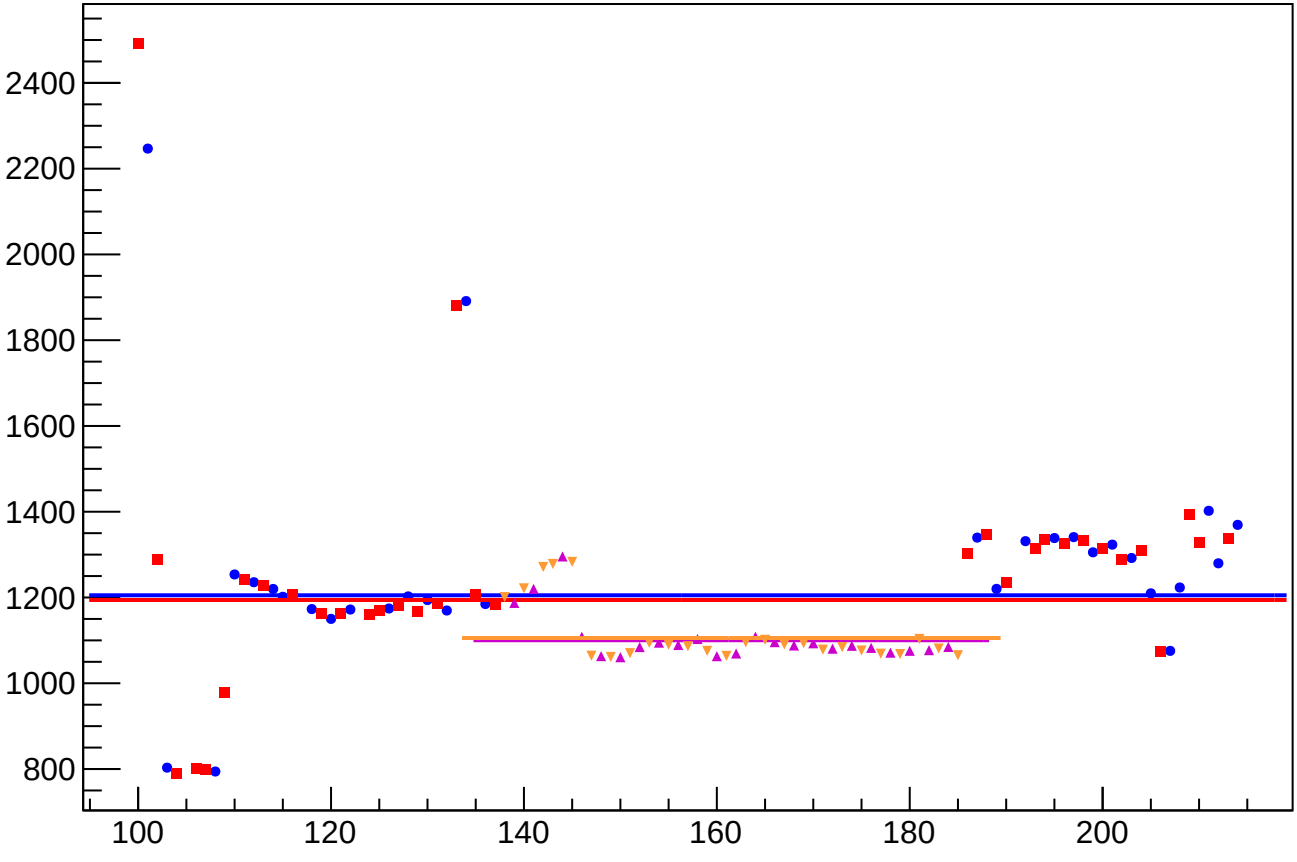
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 31.279+/-188.824 χ^2/NDF: 64.3/54

All: 63.898+/-133.869 χ^2/NDF: 109.3/110

- sign 96.861+/-189.820 χ^2/NDF: 45.0/55

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1205.159+/-0.202 χ^2/NDF: 1079378.9/29

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

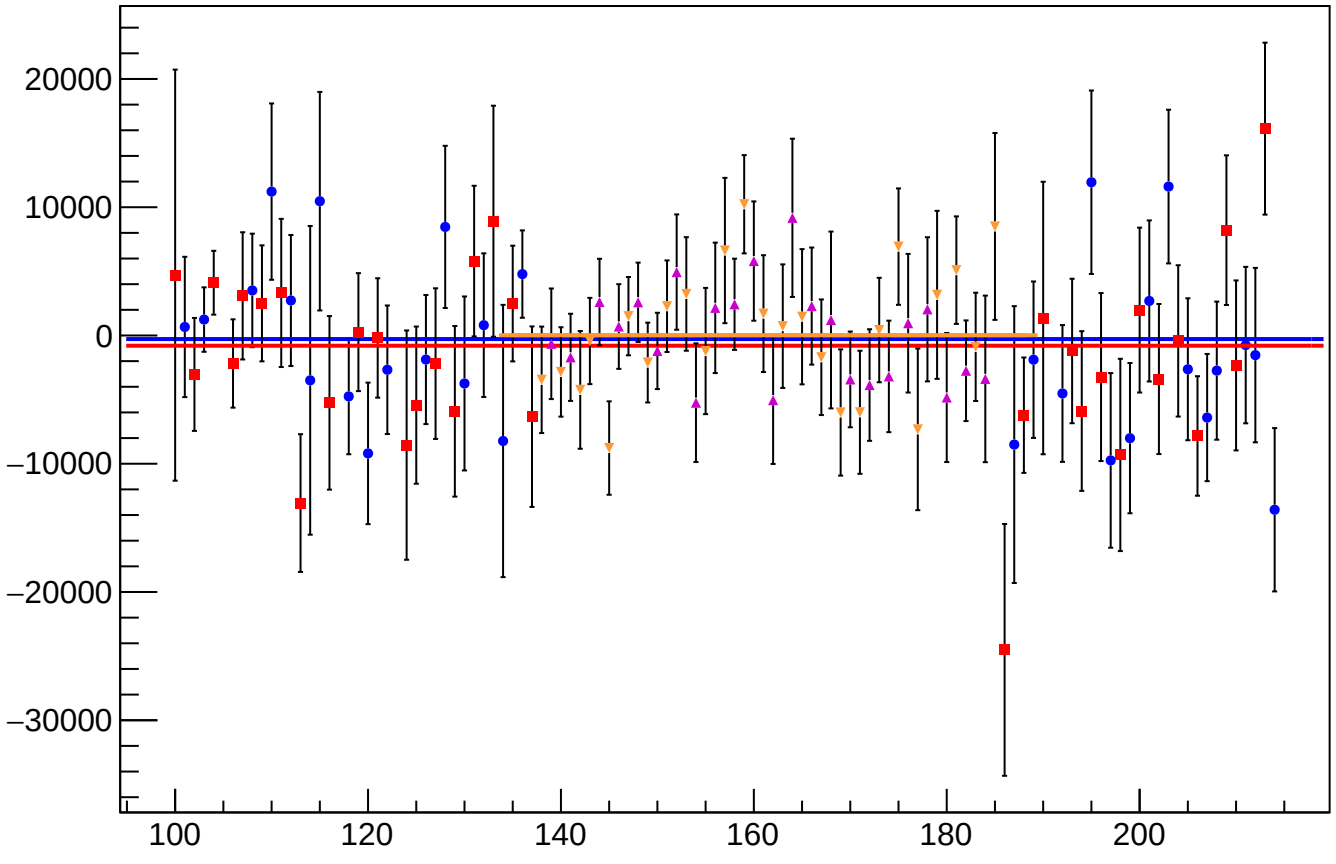
Right Out: 1194.190+/-0.199 χ^2/NDF: 974627.5/32

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1149.027+/-0.134 χ^2/NDF: 1338227.6/54

All: 1146.088+/-0.095 χ^2/NDF: 2515412.1/11

- sign 1143.120+/-0.134 χ^2/NDF: 1176210.4/55



Right In: -280.141+/-983.859 χ^2/NDF: 33.2/29

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -797.062+/-935.756 χ^2/NDF: 38.3/32

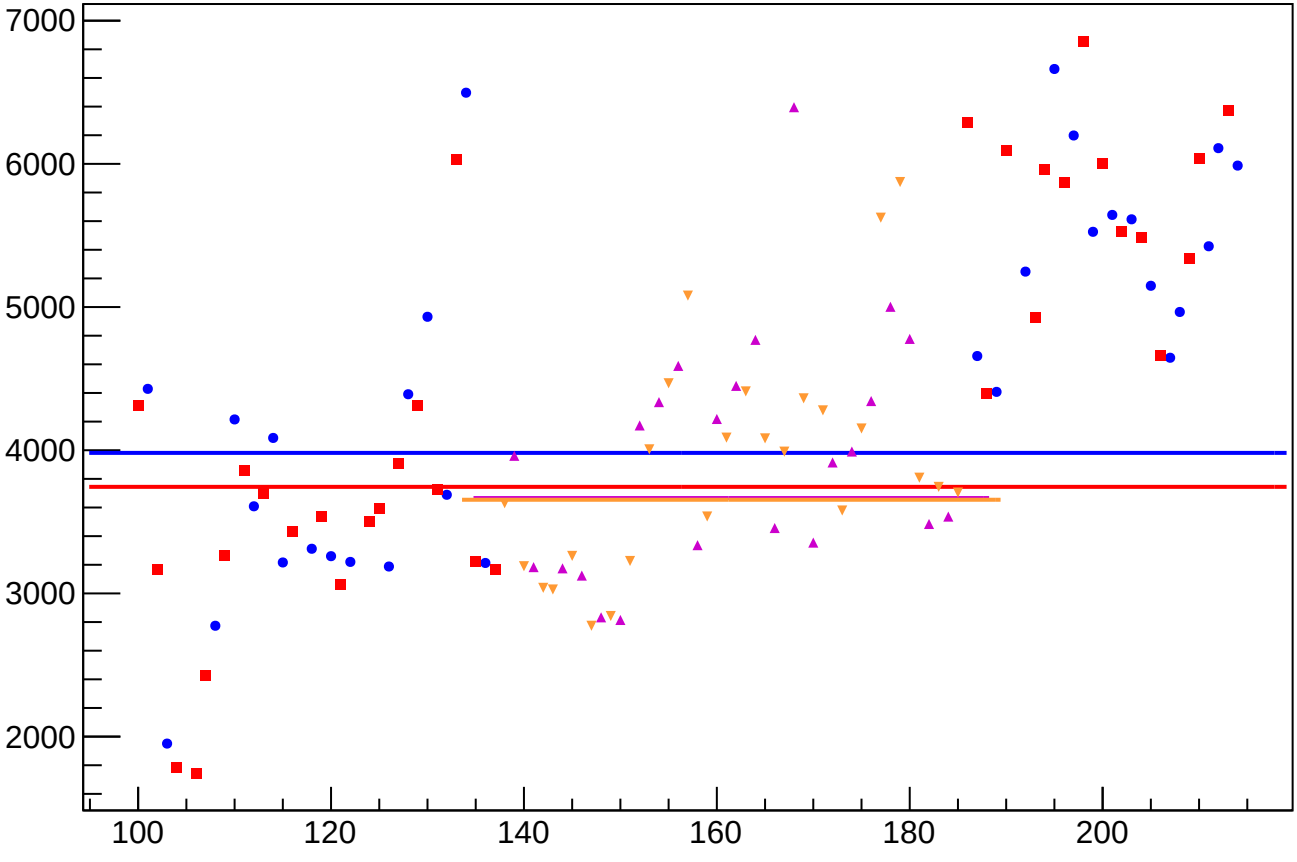
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -106.422+/-643.376 χ^2/NDF: 61.7/54

All: -241.748+/-453.458 χ^2/NDF: 114.5/110

- sign -375.330+/-639.218 χ^2/NDF: 52.7/55

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug



Right In: 3981.504+/-0.696 χ^2/NDF: 3687532.4/29

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3744.307+/-0.662 χ^2/NDF: 4909726.3/32

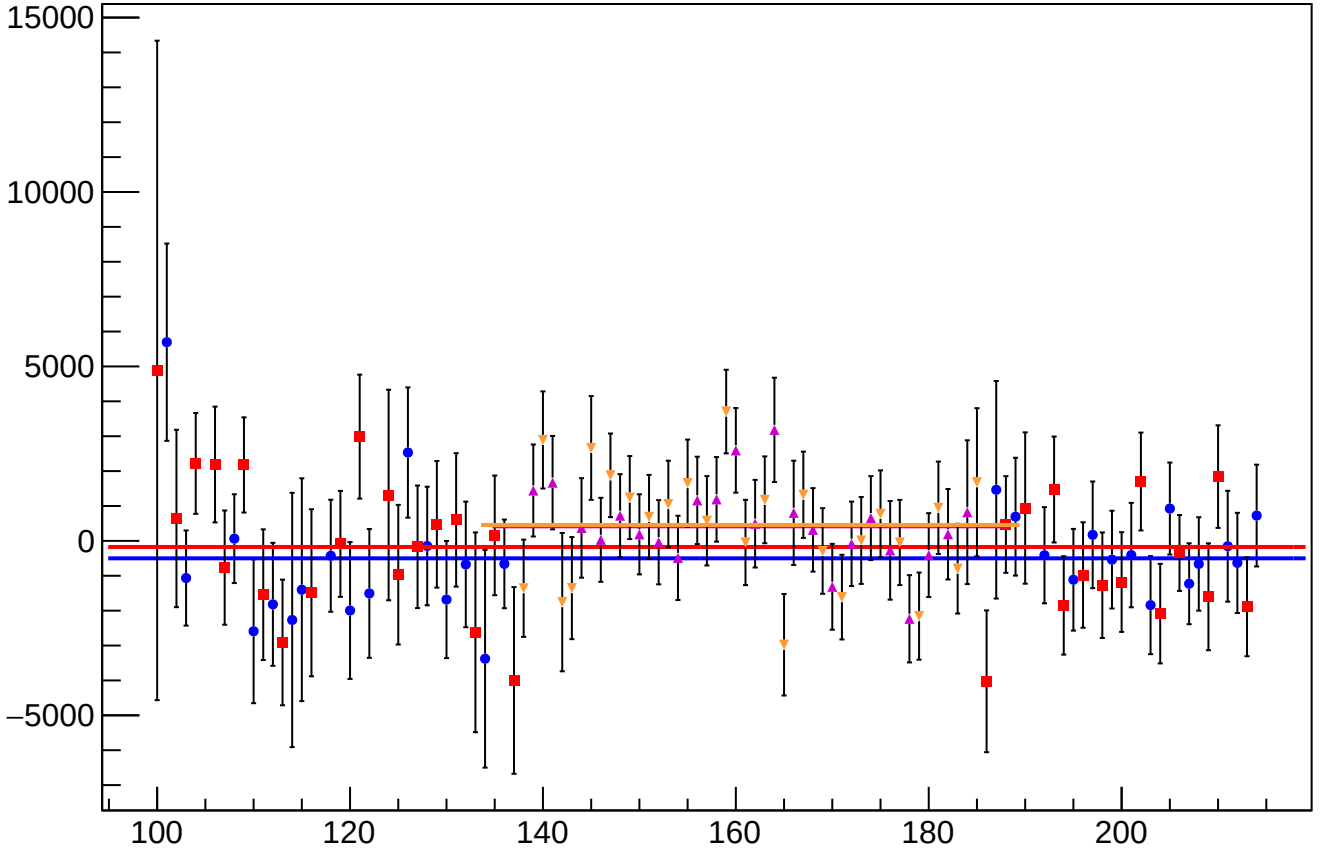
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3794.161+/-0.455 χ^2/NDF: 5125997.1/54

All: 3748.084+/-0.321 χ^2/NDF: 11407267.3/1

- sign 3702.601+/-0.452 χ^2/NDF: 6260886.4/55

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -500.167+/-294.389 χ^2/NDF: 16.5/29

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -174.859+/-291.020 χ^2/NDF: 33.9/32

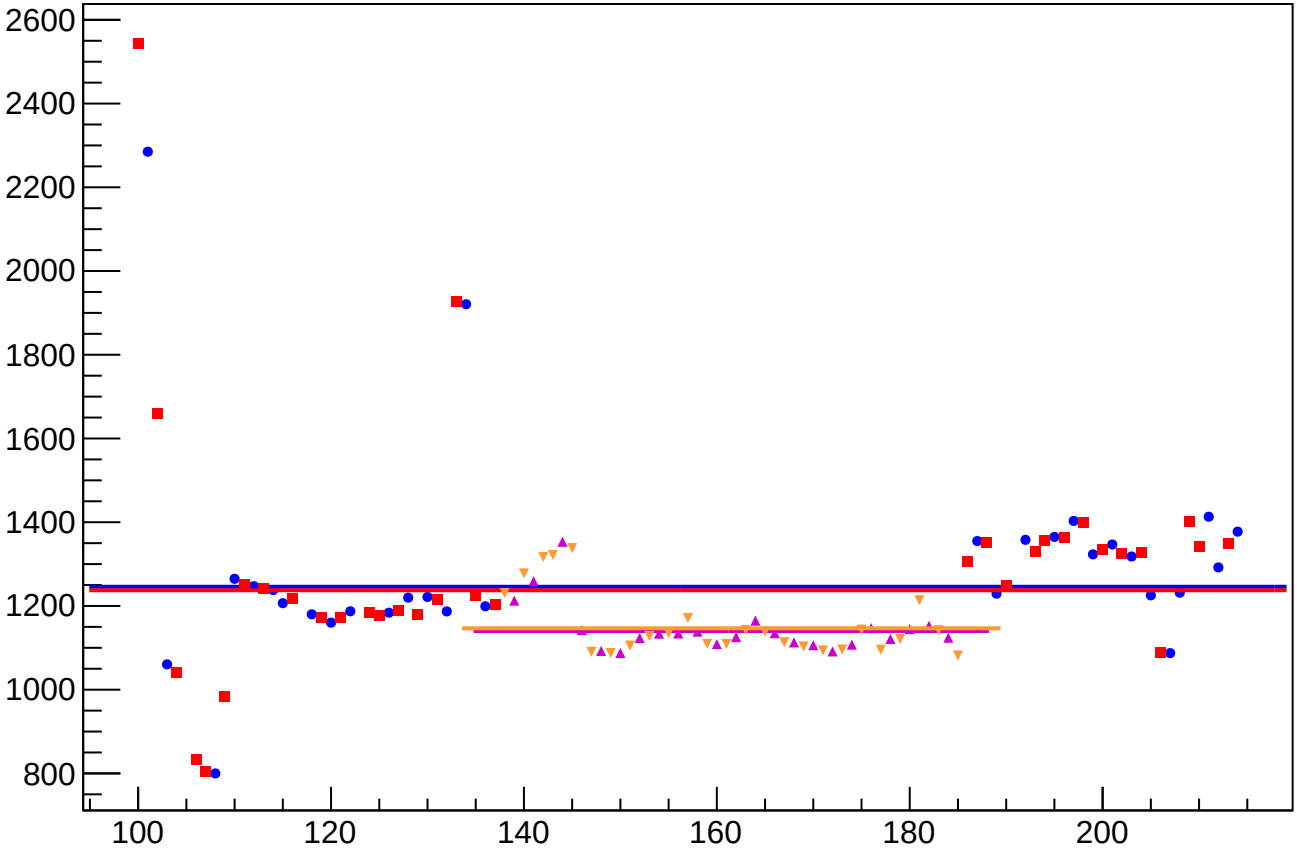
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 35.021+/-195.300 χ^2/NDF: 58.6/54

All: 90.681+/-138.546 χ^2/NDF: 112.2/110

- sign 147.070+/-196.575 χ^2/NDF: 53.4/55

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1245.786+/-0.208 χ^2/NDF: 813209.6/29

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1237.495+/-0.206 χ^2/NDF: 772206.4/32

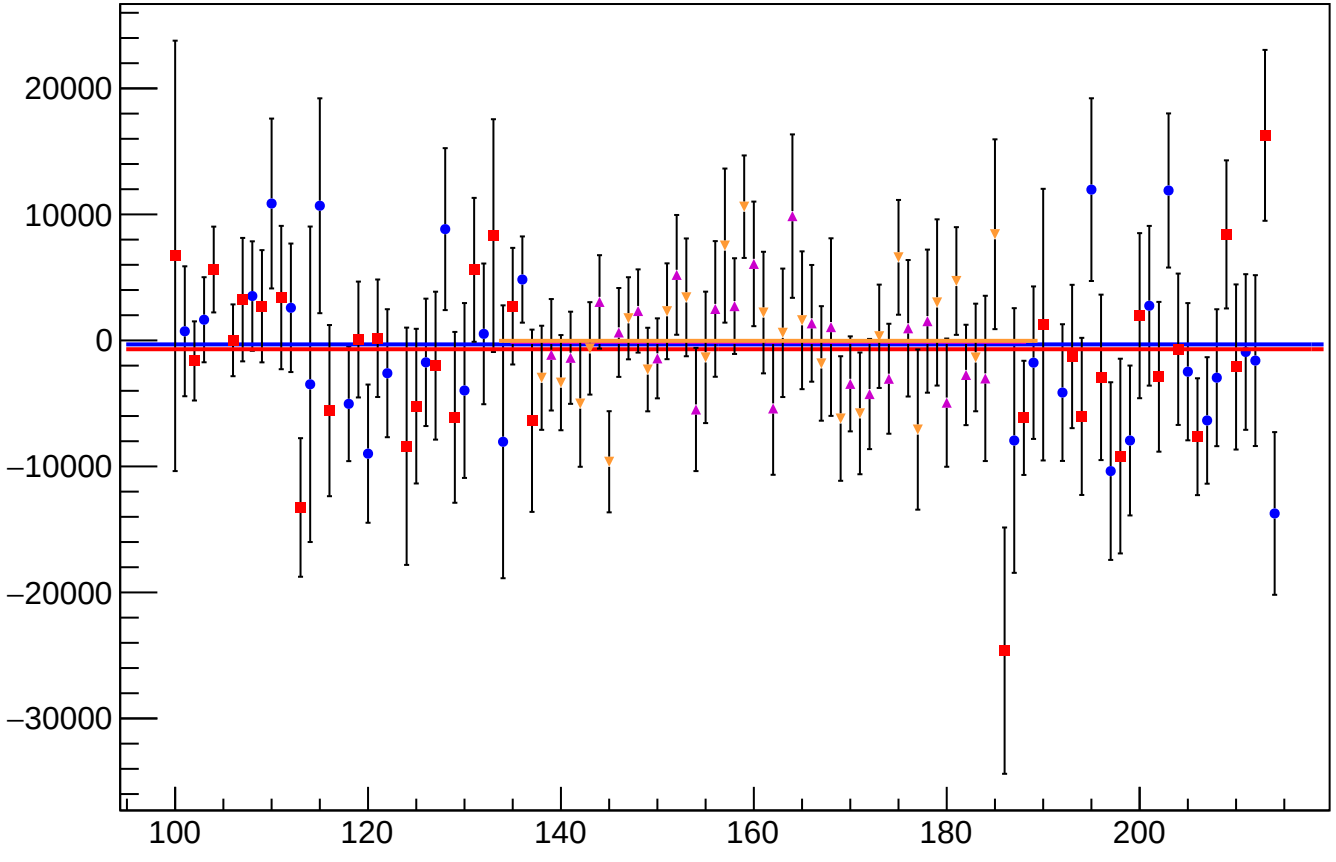
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1190.260+/-0.138 χ^2/NDF: 1081304.4/54

All: 1187.440+/-0.098 χ^2/NDF: 2060744.6/11

- sign 1184.584+/-0.139 χ^2/NDF: 978600.8/55

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: -315.737+/-1021.602 χ^2/NDF: 33.0/29

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -699.199+/-933.977 χ^2/NDF: 37.4/32

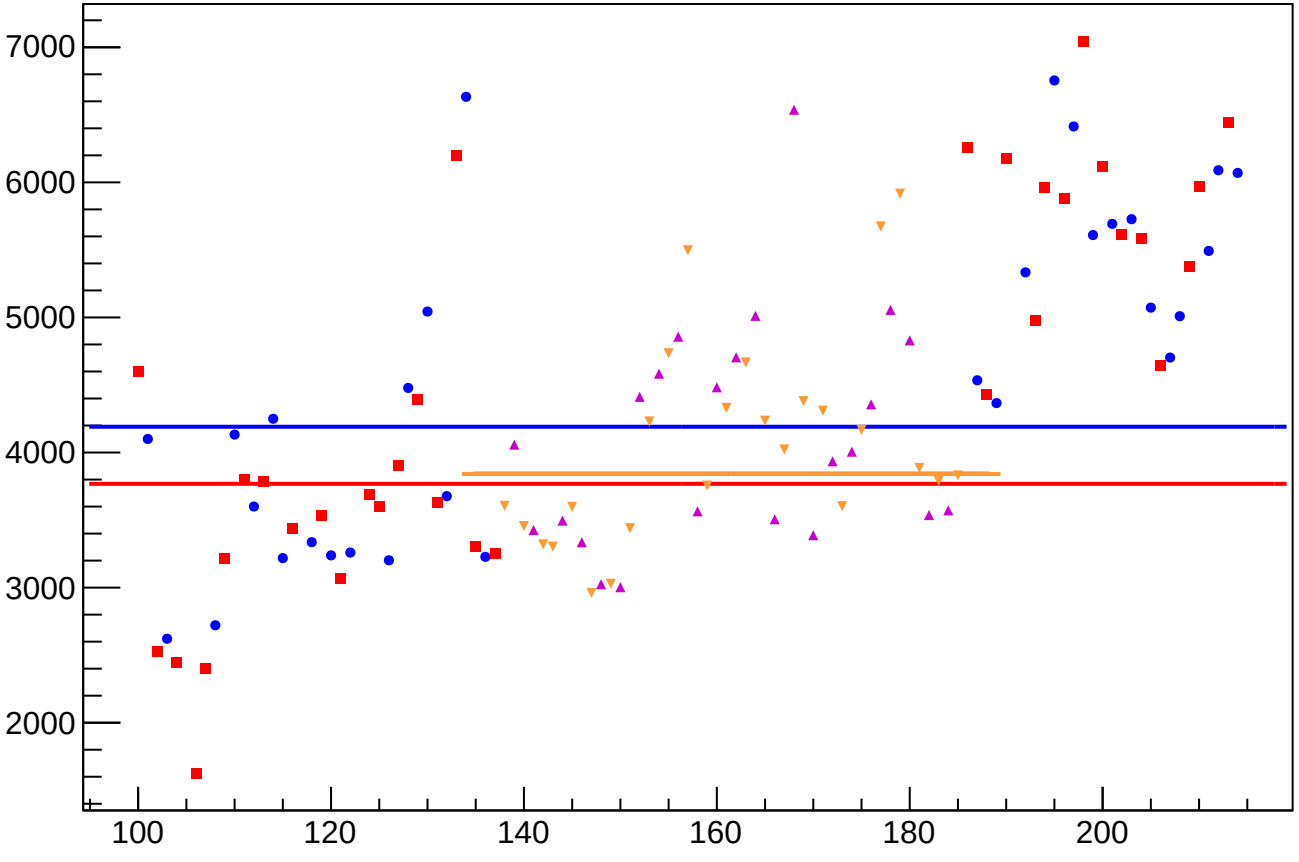
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign -155.521+/-671.649 χ^2/NDF: 60.8/54

All: -283.307+/-468.515 χ^2/NDF: 112.2/110

- sign -404.417+/-653.869 χ^2/NDF: 51.3/55

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4190.992+/-0.722 χ^2/NDF: 2728737.0/29

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3768.433+/-0.660 χ^2/NDF: 4755321.2/32

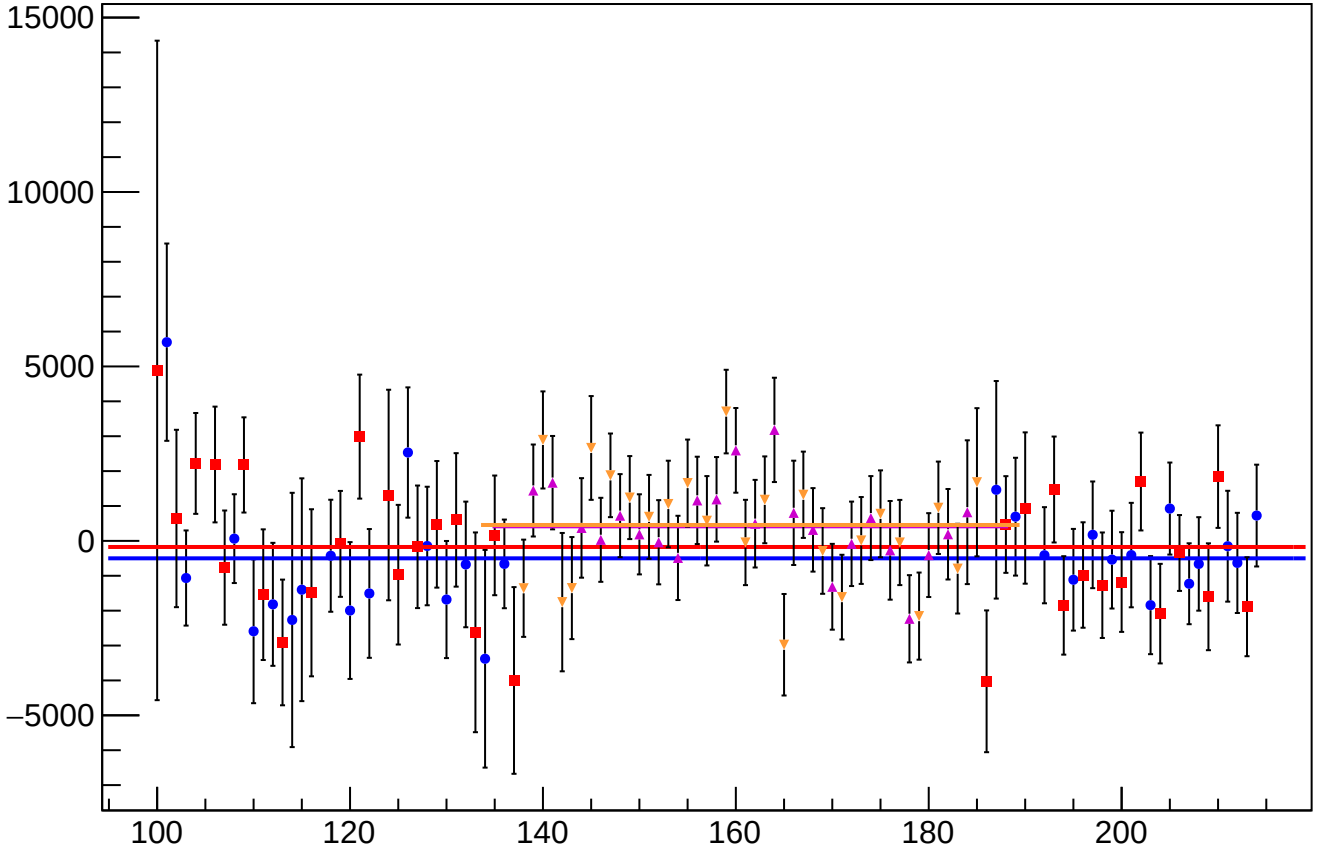
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

+ sign 3992.183+/-0.475 χ^2/NDF: 3980808.2/54

All: 3896.913+/-0.331 χ^2/NDF: 10017122.0/1

- sign 3806.620+/-0.462 χ^2/NDF: 5957936.3/55

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -500.165+/-294.389 χ^2/NDF: 16.5/29

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -174.857+/-291.020 χ^2/NDF: 33.9/32

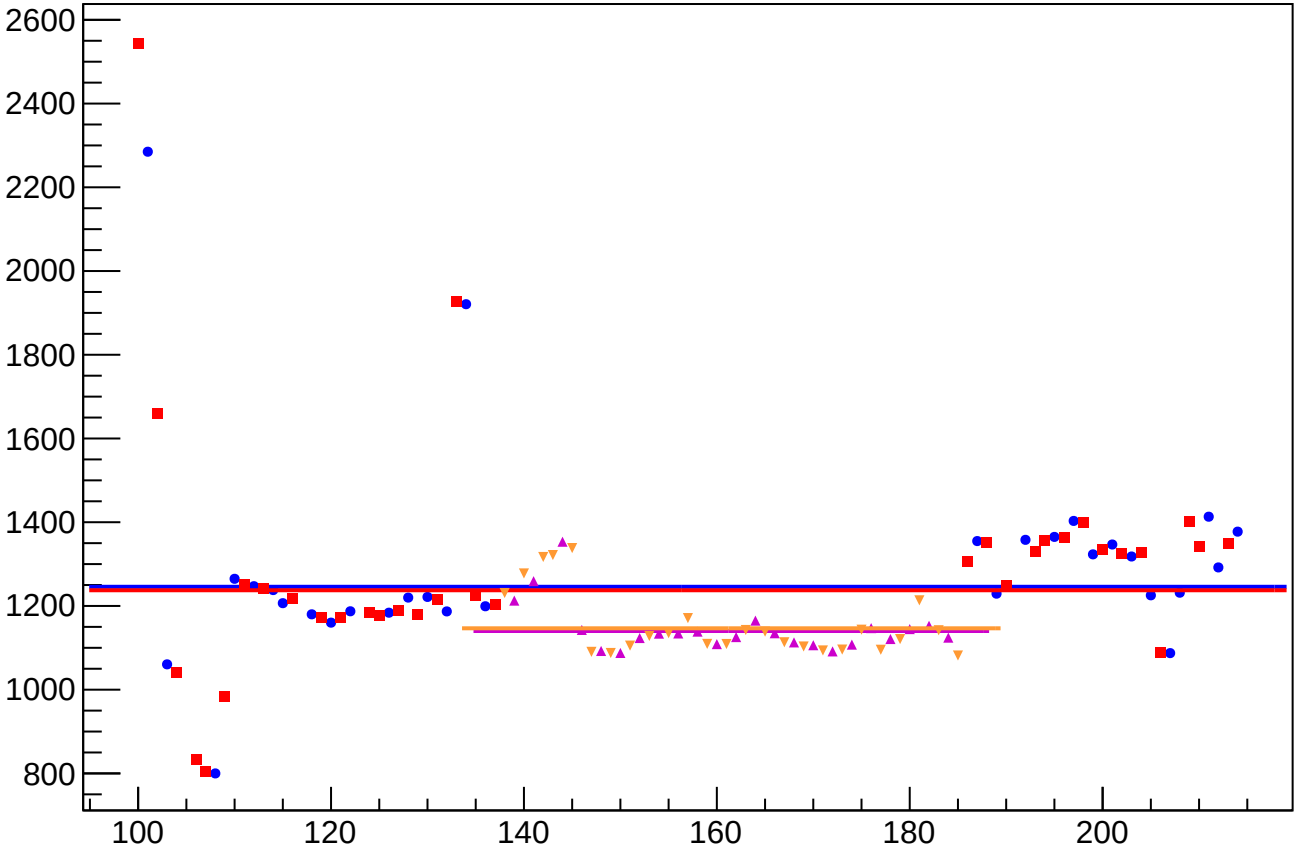
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 35.025+/-195.300 χ^2/NDF: 58.6/54

All: 90.683+/-138.546 χ^2/NDF: 112.2/110

- sign 147.070+/-196.575 χ^2/NDF: 53.4/55

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1245.786+/-0.208 χ^2/NDF: 813210.5/29

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

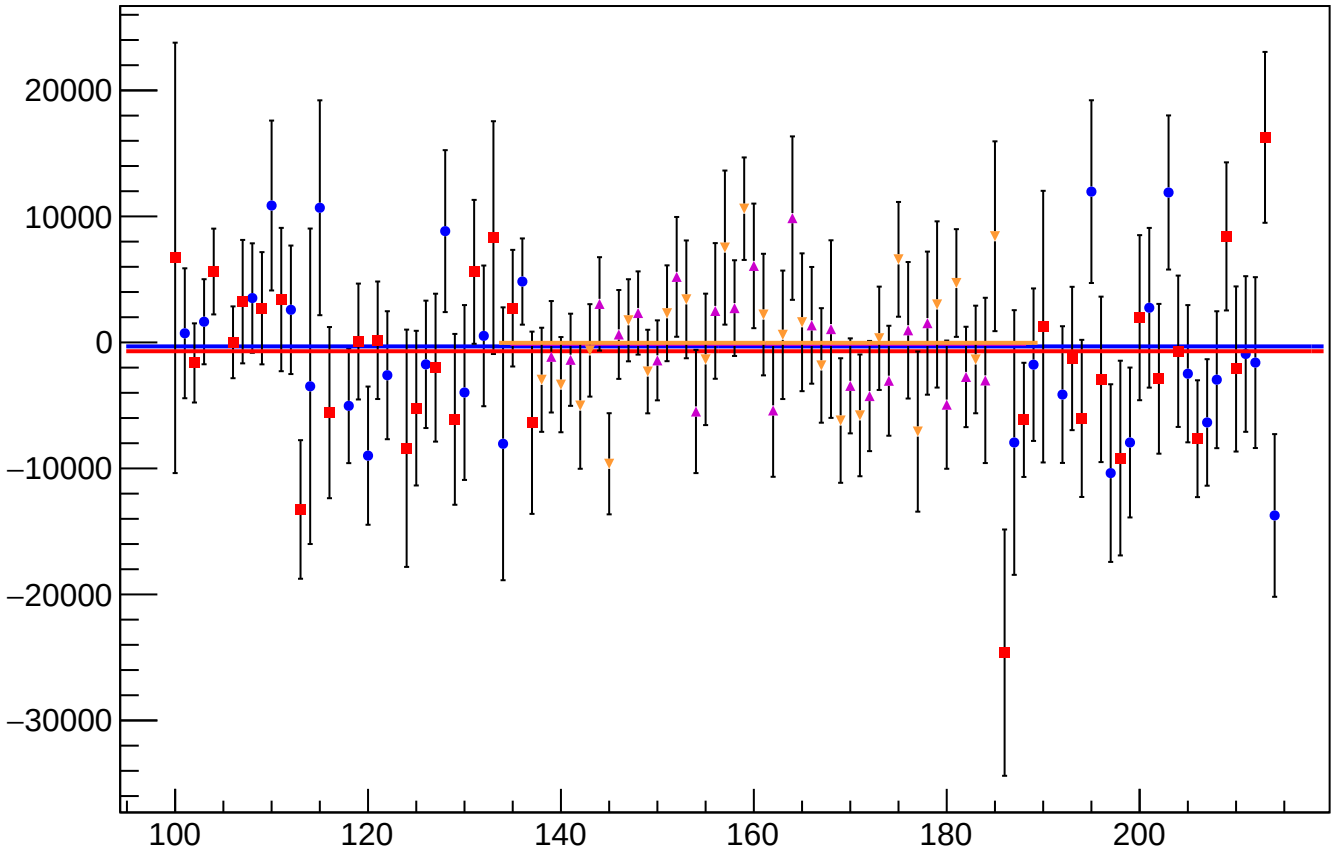
Right Out: 1237.495+/-0.206 χ^2/NDF: 772205.8/32

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1190.261+/-0.138 χ^2/NDF: 1081303.6/54

All: 1187.441+/-0.098 χ^2/NDF: 2060741.4/11

- sign 1184.584+/-0.139 χ^2/NDF: 978598.4/55



Right In: -315.745+/-1021.602 χ^2/NDF: 33.0/29

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: -699.192+/-933.976 χ^2/NDF: 37.4/32

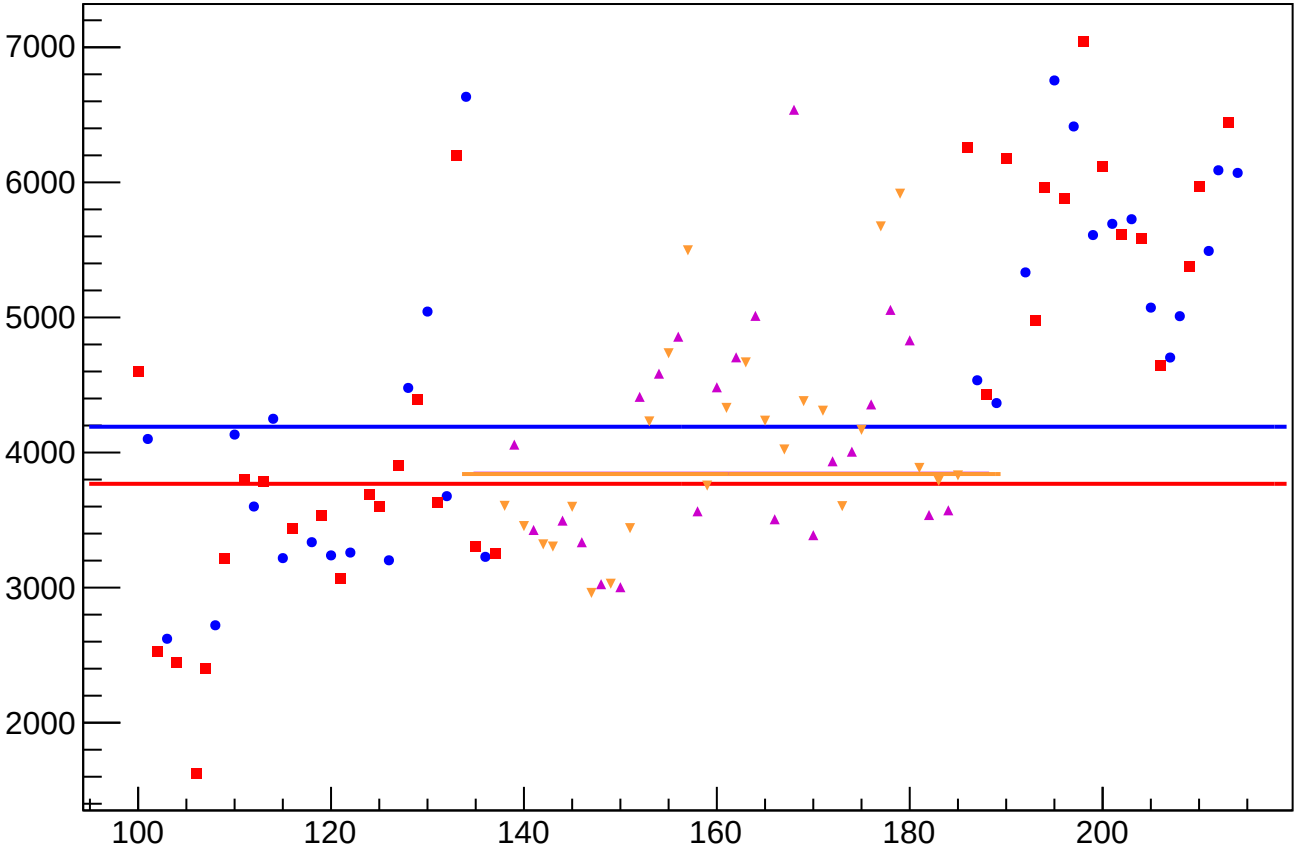
Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign -155.524+/-671.649 χ^2/NDF: 60.8/54

All: -283.308+/-468.515 χ^2/NDF: 112.2/110

- sign -404.416+/-653.869 χ^2/NDF: 51.3/55

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug



Right In: 4190.990+/-0.722 χ^2/NDF: 2728751.5/29

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3768.429+/-0.660 χ^2/NDF: 4755348.0/32

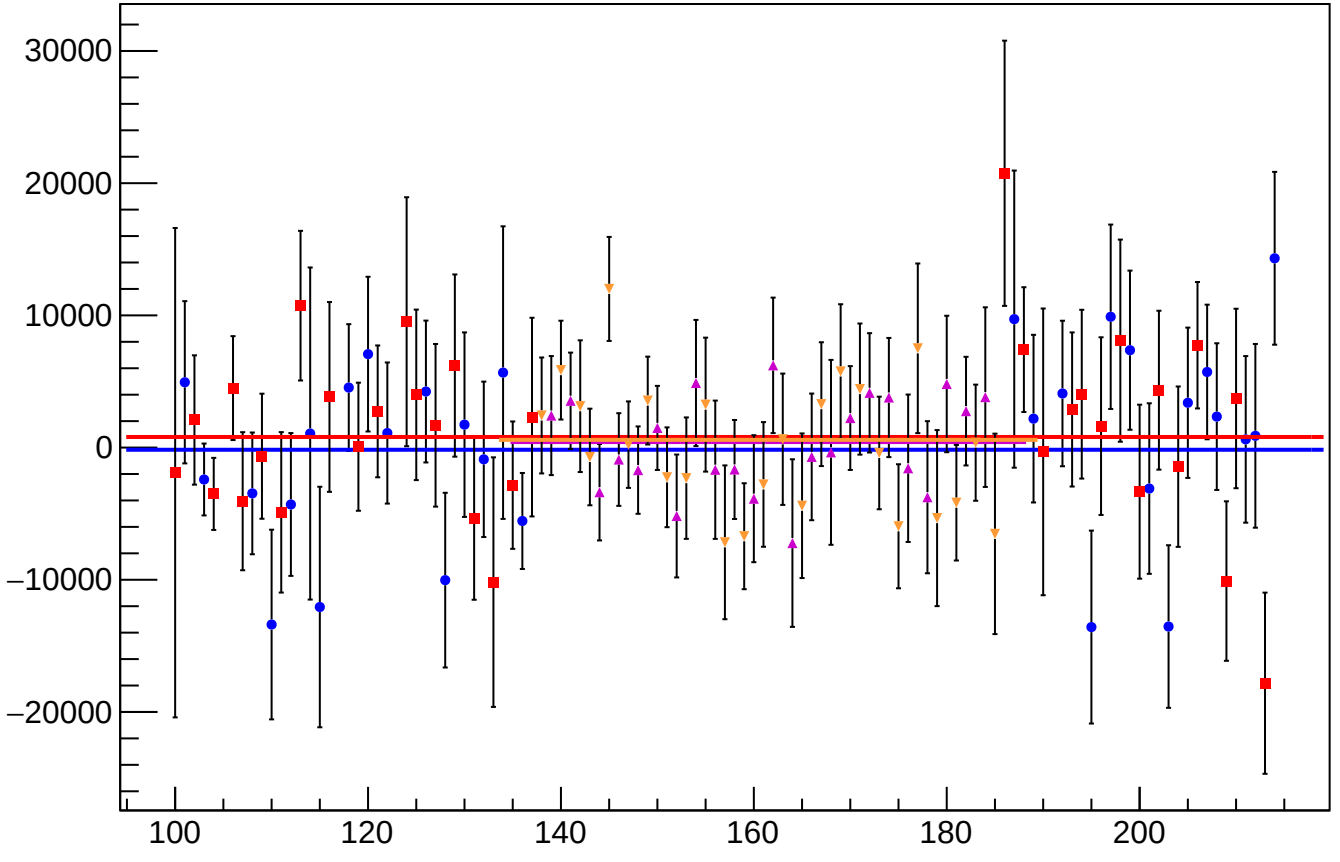
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

\+ sign 3992.185+/-0.475 χ^2/NDF: 3980818.9/54

All: 3896.914+/-0.331 χ^2/NDF: 10017166.7/1

\- sign 3806.620+/-0.462 χ^2/NDF: 5957968.5/55

asym_usr_atr2_dd_mean vs Slug



Right In: -165.040+/-1034.367 χ^2/NDF: 36.0/29

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 801.529+/-992.176 χ^2/NDF: 34.5/32

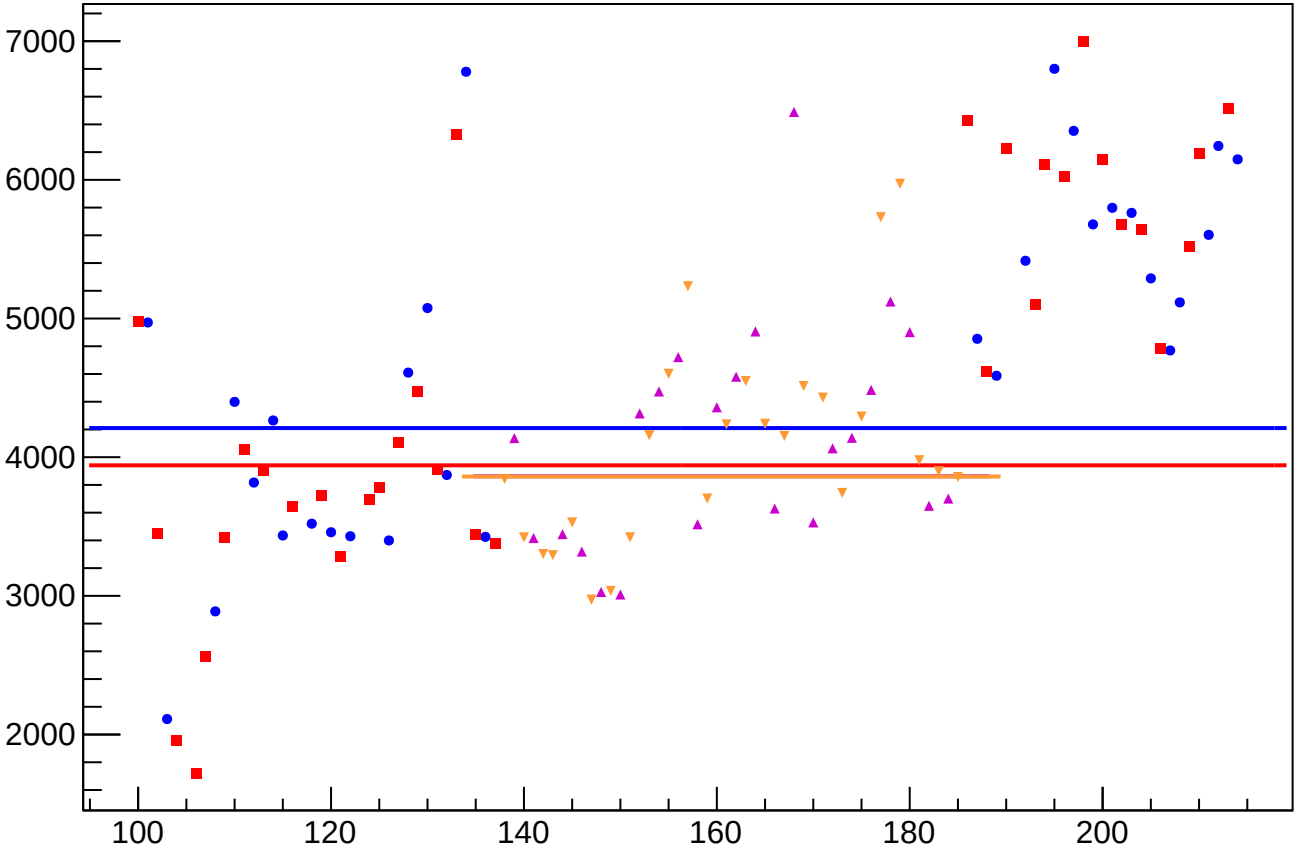
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 262.934+/-676.768 χ^2/NDF: 63.7/54

All: 429.321+/-477.644 χ^2/NDF: 110.9/110

- sign 594.458+/-674.220 χ^2/NDF: 47.1/55

asym_usr_atr2_dd_rms vs Slug



Right In: 4210.075+/-0.731 χ^2/NDF: 3335592.6/29

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

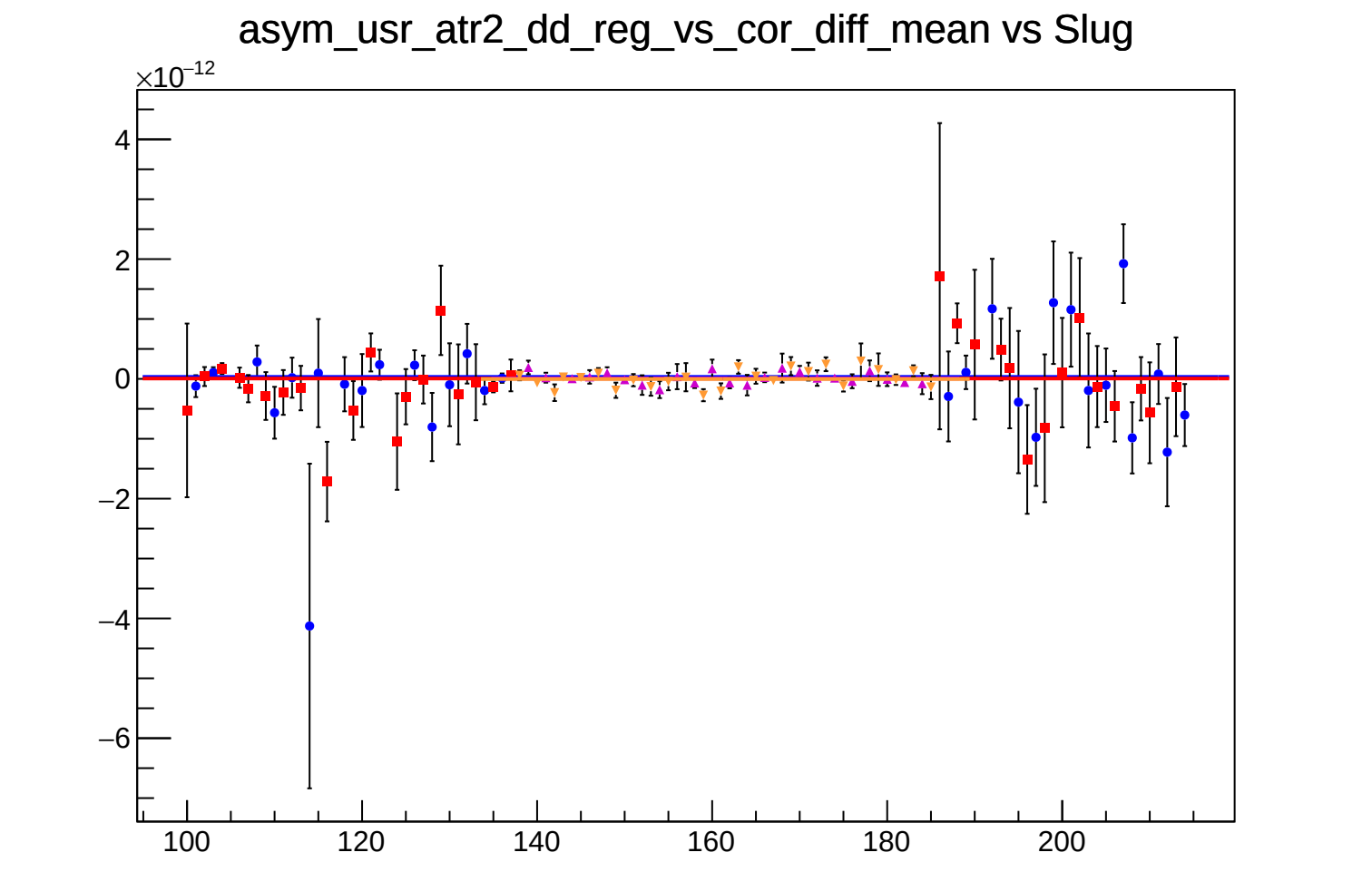
Right Out: 3941.314+/-0.694 χ^2/NDF: 4658893.8/32

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4010.169+/-0.479 χ^2/NDF: 4563503.0/54

All: 3954.211+/-0.337 χ^2/NDF: 10398582.9/1

- sign 3899.246+/-0.474 χ^2/NDF: 5807975.8/55



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/32

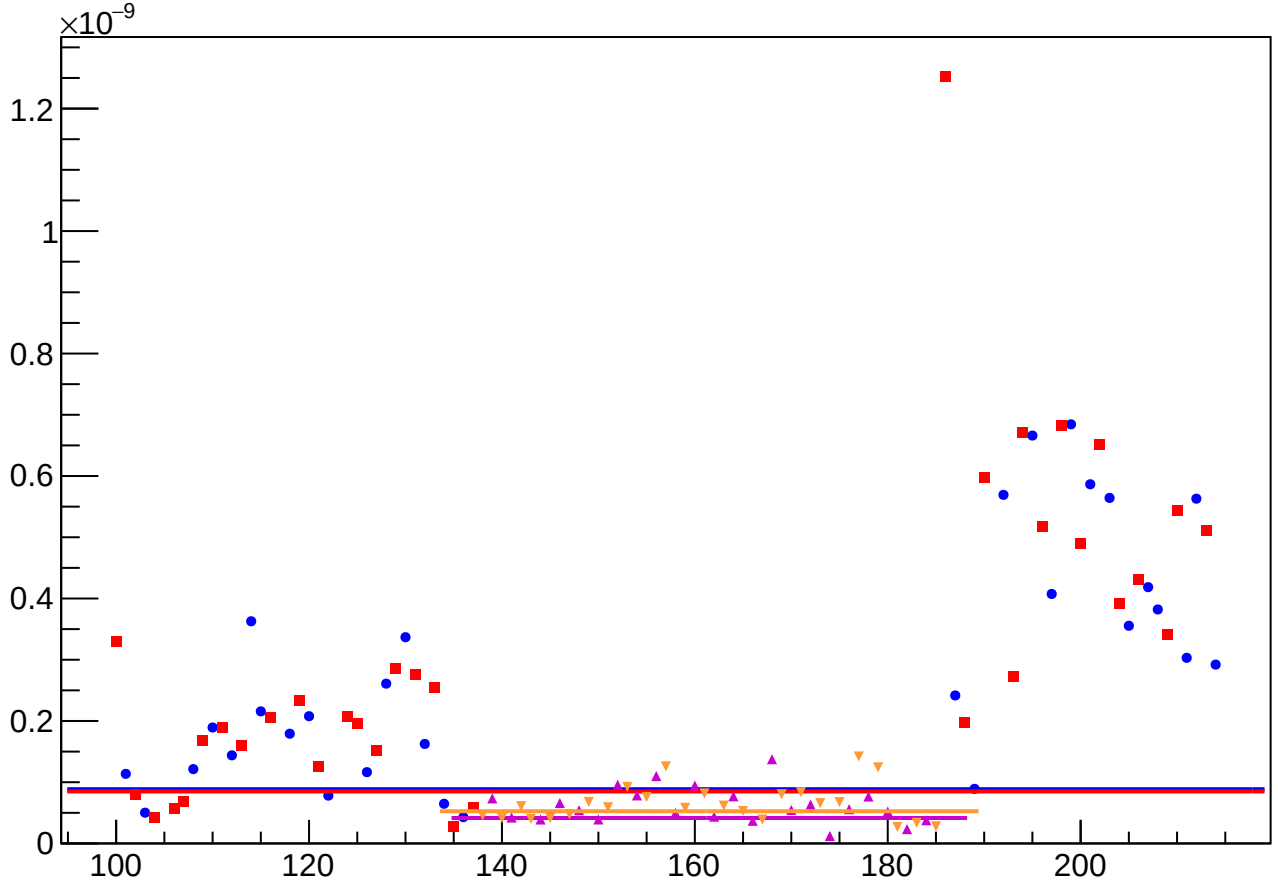
Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.9/54

All: 0.000+/-0.000 χ^2/NDF: 117.0/110

- sign 0.000+/-0.000 χ^2/NDF: 49.1/55

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7884362.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9212292.8/32

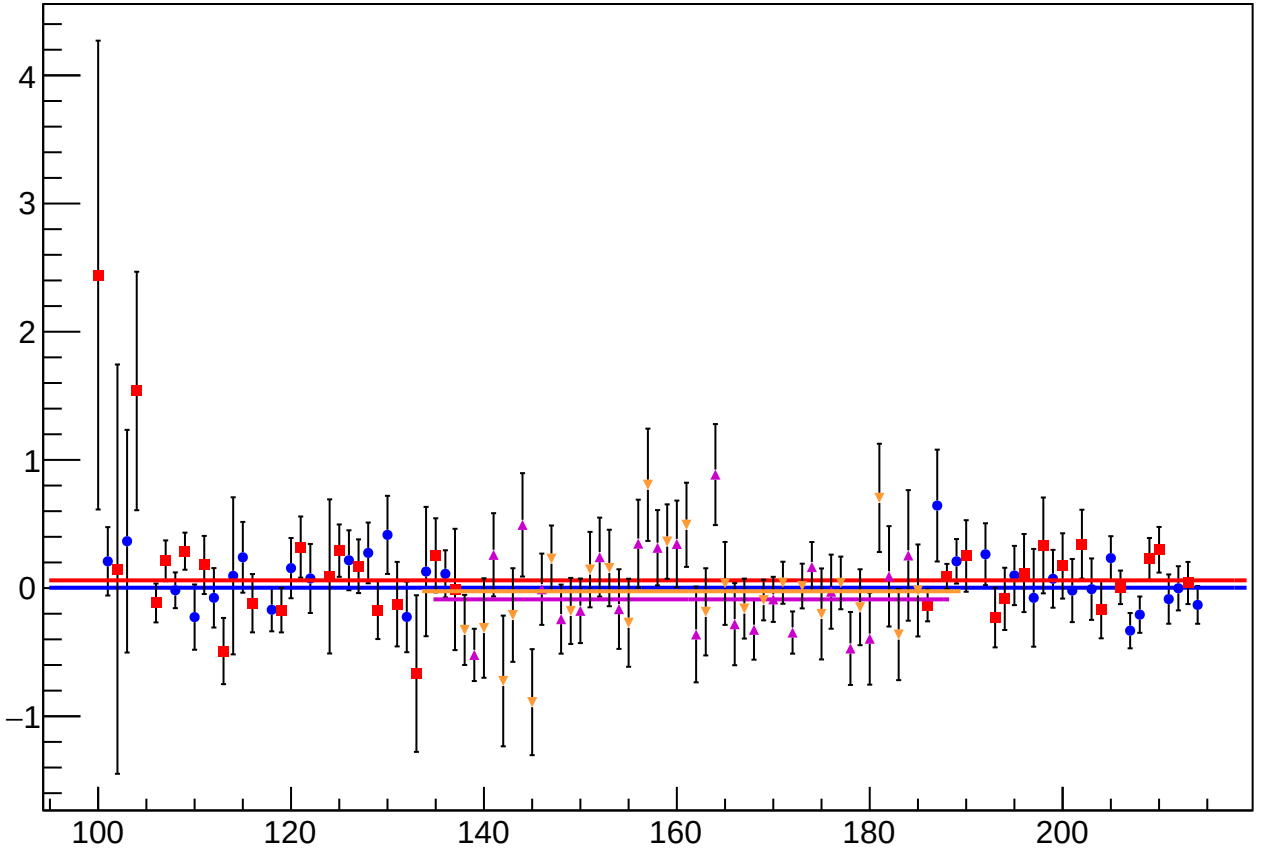
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 10473306.1/54

All: 0.000+/-0.000 χ^2/NDF: 24379824.2/110

- sign 0.000+/-0.000 χ^2/NDF: 13558879.3/55

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.039 χ^2/NDF: 25.2/29

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.060+/-0.036 χ^2/NDF: 33.1/32

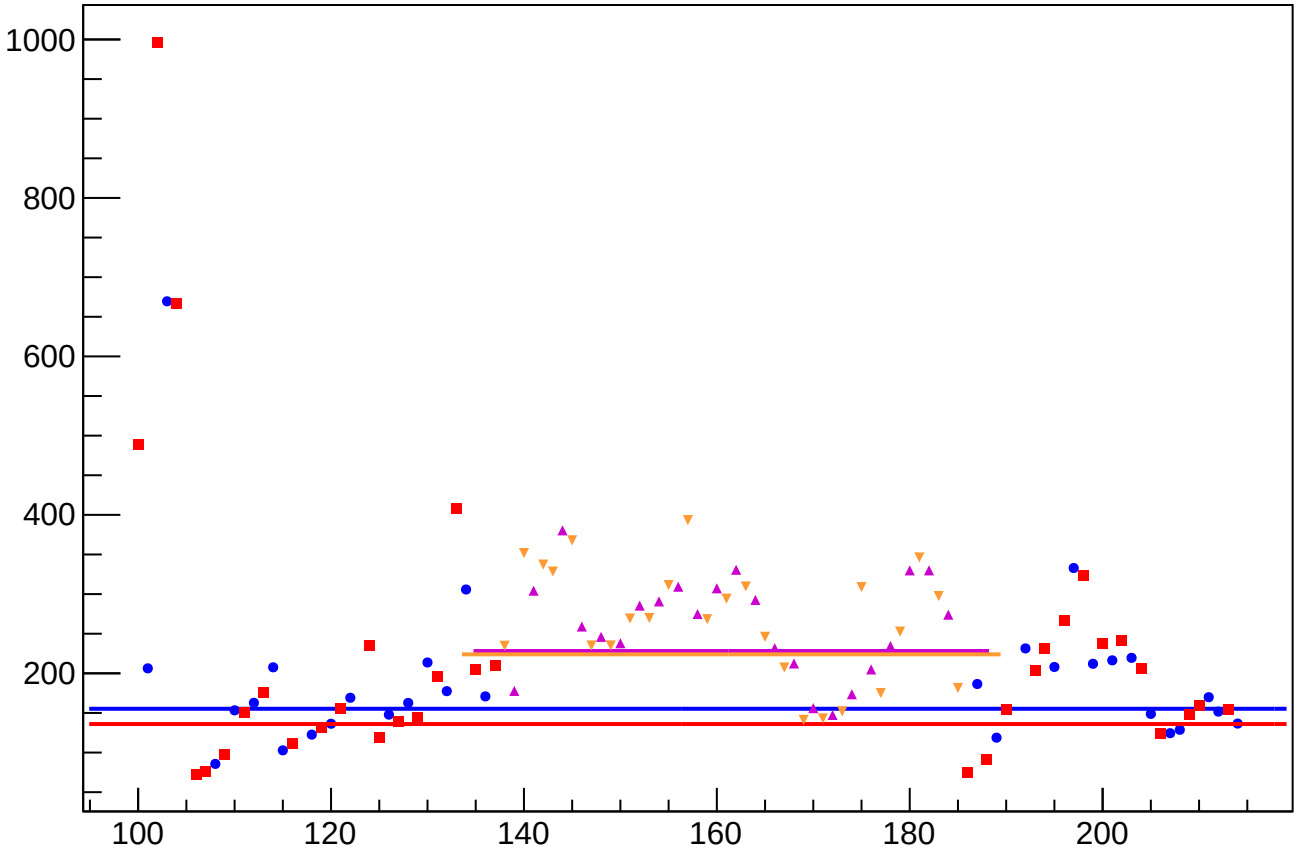
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign -0.006+/-0.032 χ^2/NDF: 49.4/54

All: 0.006+/-0.022 χ^2/NDF: 117.7/110

- sign 0.018+/-0.030 χ^2/NDF: 68.0/55

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 155.270+/-0.028 χ^2/NDF: 3184002.1/29

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 136.002+/-0.025 χ^2/NDF: 6059367.4/32

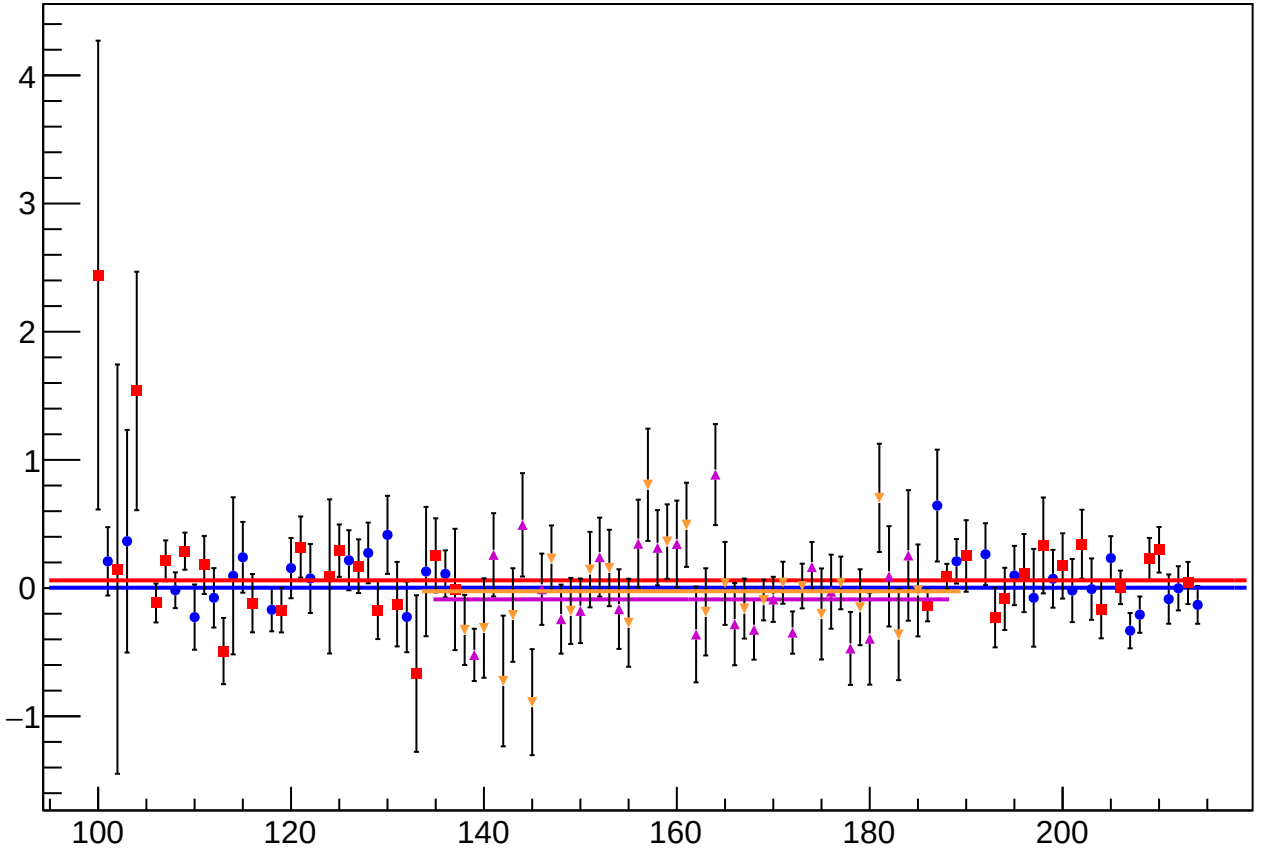
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 178.508+/-0.022 χ^2/NDF: 8715850.2/54

All: 169.969+/-0.015 χ^2/NDF: 21328638.0/11

- sign 162.237+/-0.021 χ^2/NDF: 12337316.1/55

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.003+/-0.039 χ^2/NDF: 25.2/29

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.060+/-0.036 χ^2/NDF: 33.1/32

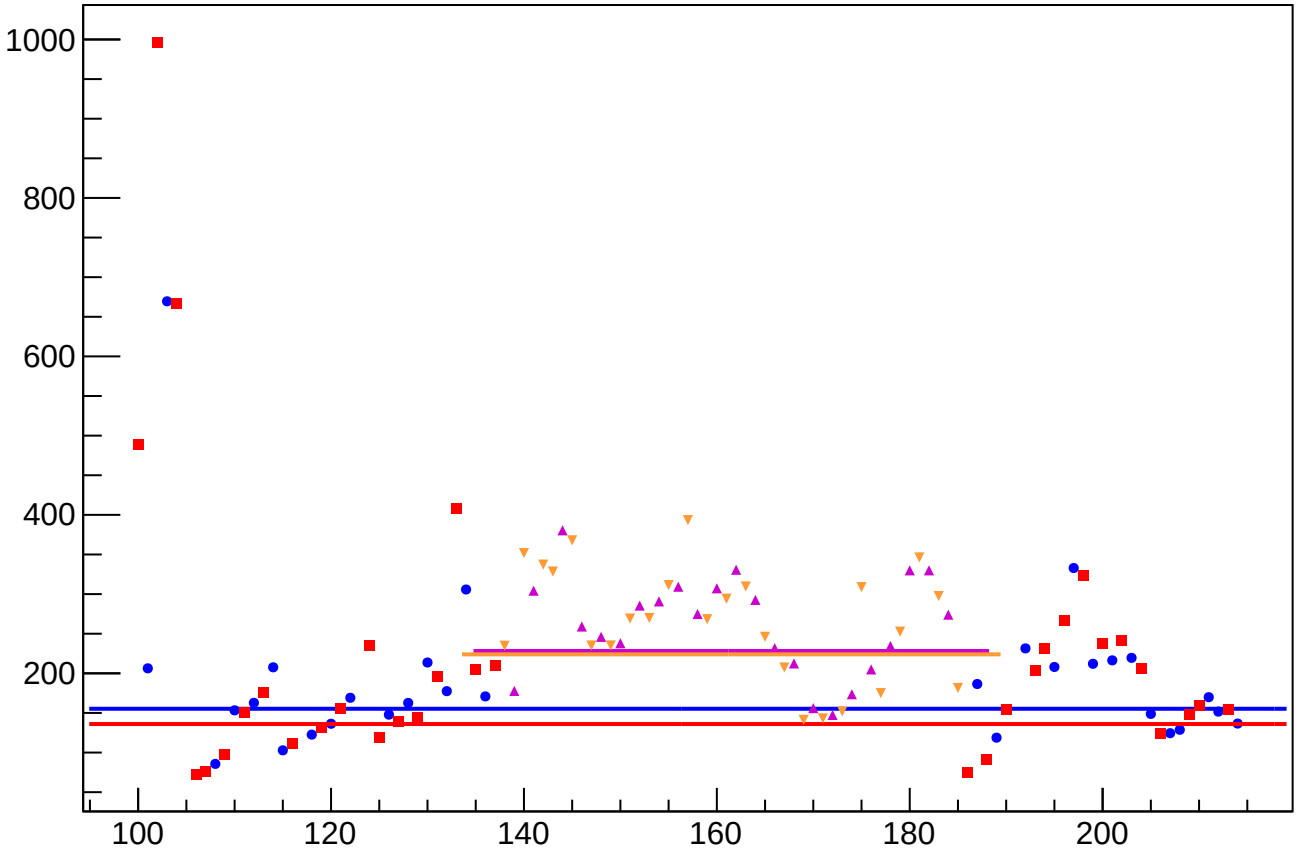
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

\+ sign -0.006+/-0.032 χ^2/NDF: 49.4/54

All: 0.006+/-0.022 χ^2/NDF: 117.7/110

\- sign 0.018+/-0.030 χ^2/NDF: 68.0/55

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 155.270+/-0.028 χ^2/NDF: 3184002.1/29

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

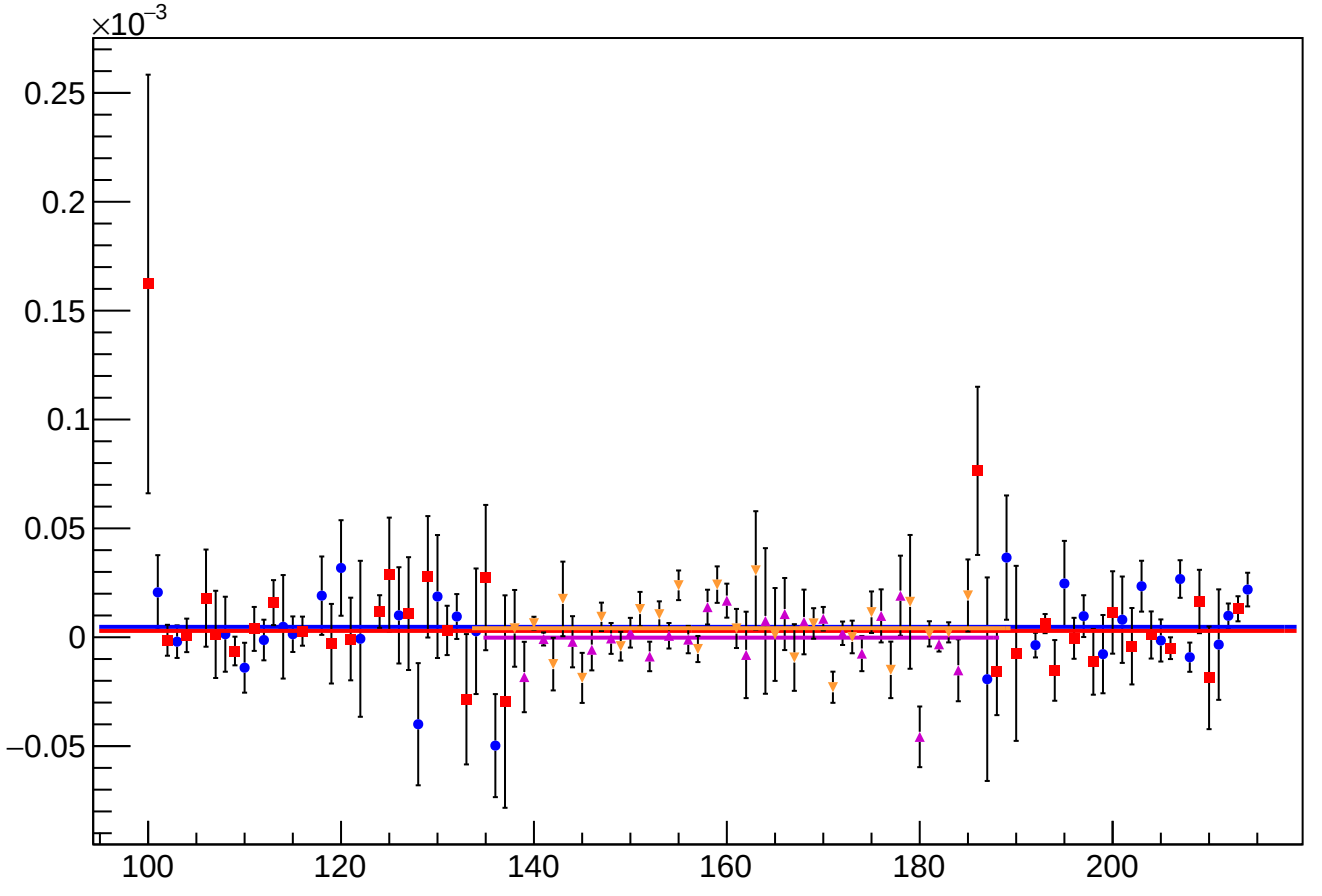
Right Out: 136.002+/-0.025 χ^2/NDF: 6059367.4/32

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 178.508+/-0.022 χ^2/NDF: 8715850.2/54

All: 169.969+/-0.015 χ^2/NDF: 21328638.0/11

- sign 162.237+/-0.021 χ^2/NDF: 12337316.1/55



Right In: 0.000+/-0.000 χ^2/NDF: 40.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

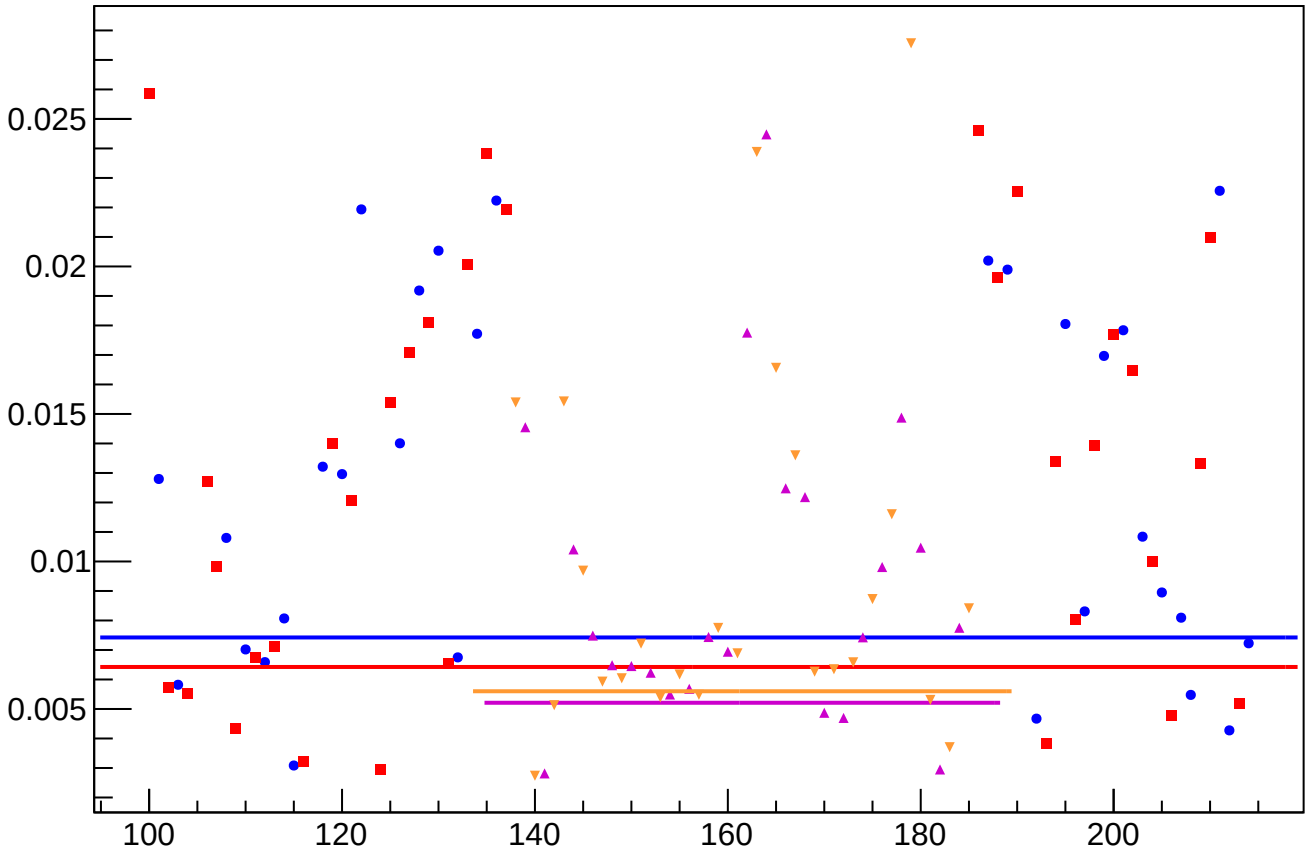
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/32

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/54

All: 0.000+/-0.000 χ^2/NDF: 153.9/110

- sign 0.000+/-0.000 χ^2/NDF: 60.2/55



Right In: 0.007+/-0.000 χ^2/NDF: 8079233.2/29

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

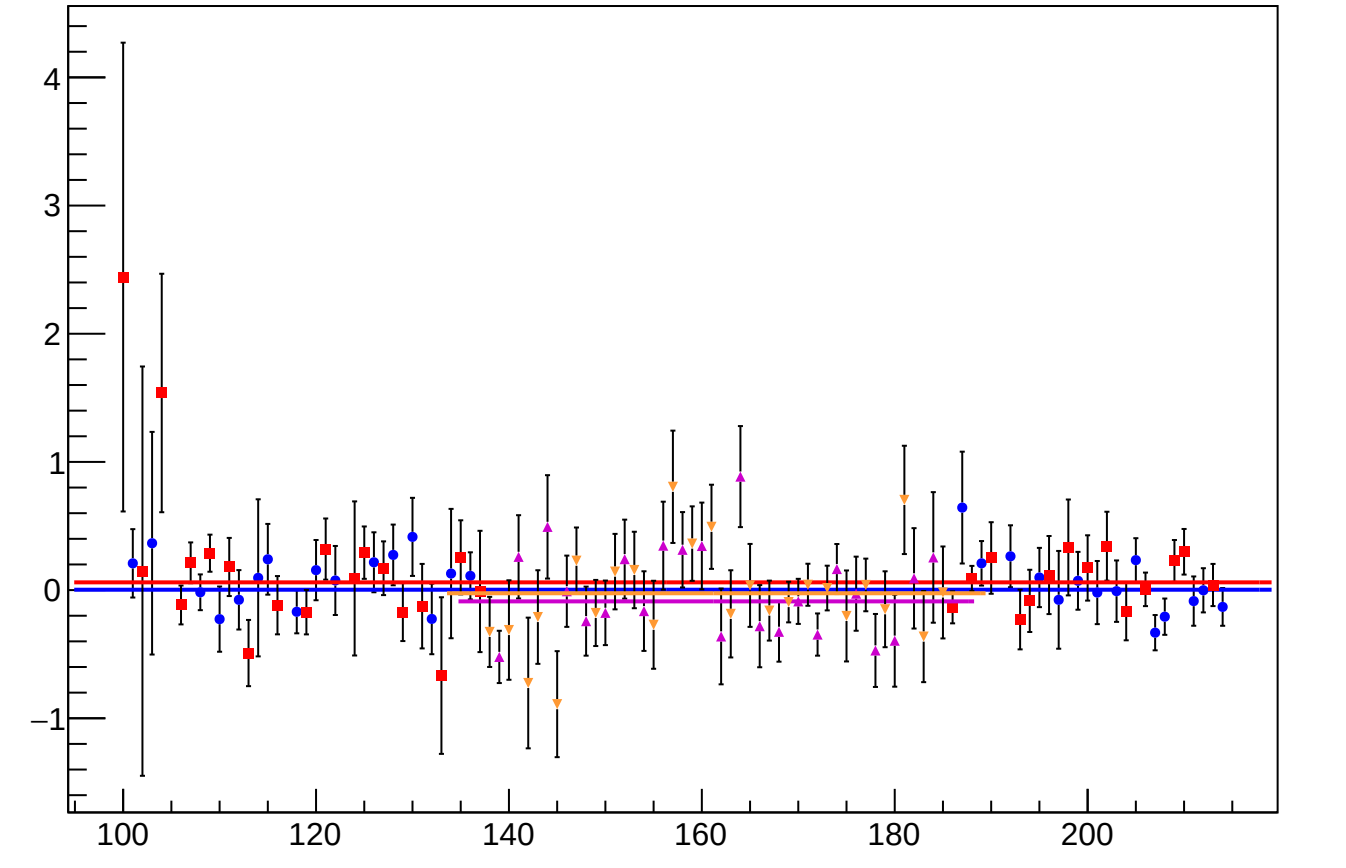
Right Out: 0.006+/-0.000 χ^2/NDF: 10537602.8/32

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 16896006.6/54

All: 0.006+/-0.000 χ^2/NDF: 35668998.8/110

- sign 0.006+/-0.000 χ^2/NDF: 18557844.8/55



Right In: 0.003+/-0.039 χ^2/NDF: 25.2/29

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.060+/-0.036 χ^2/NDF: 33.1/32

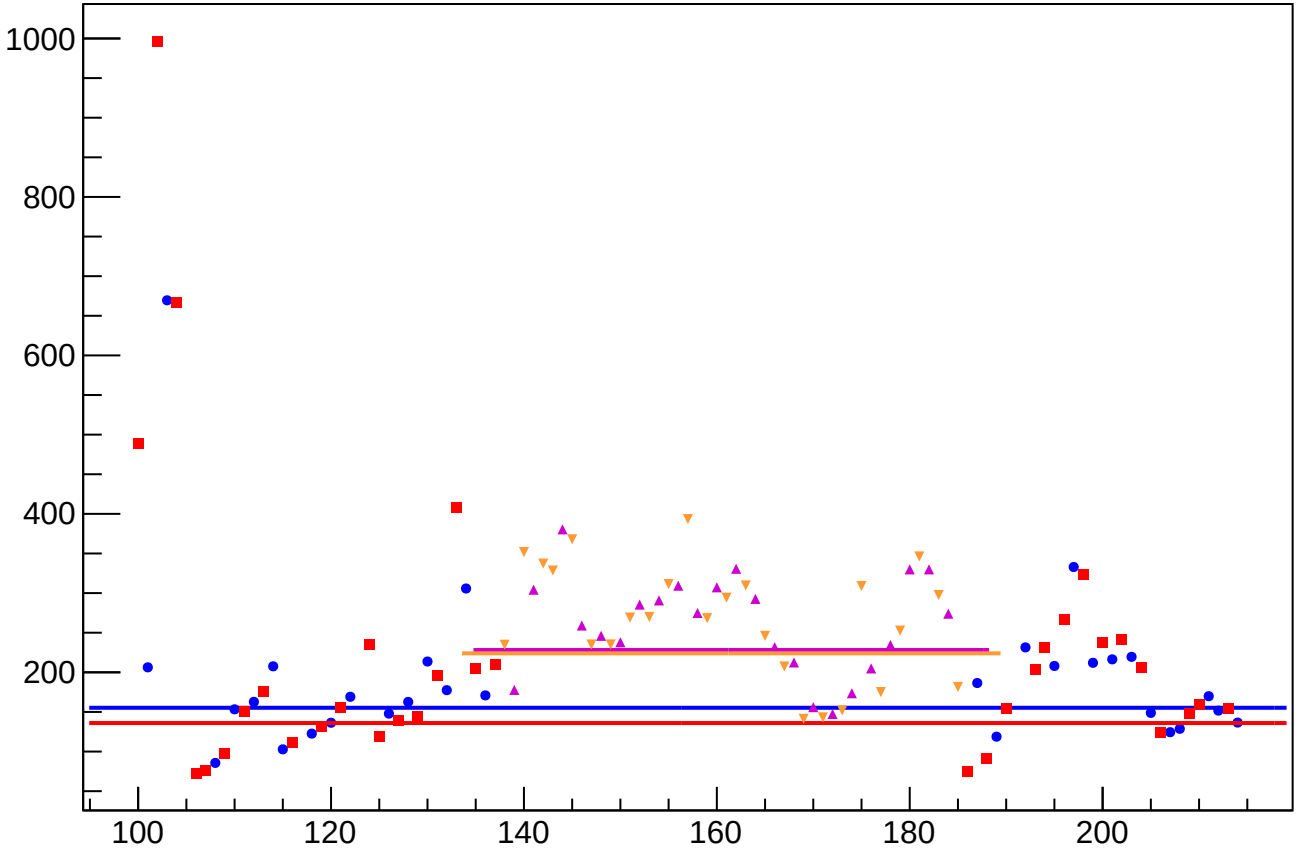
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

\+ sign -0.006+/-0.032 χ^2/NDF: 49.4/54

All: 0.006+/-0.022 χ^2/NDF: 117.7/110

\- sign 0.018+/-0.030 χ^2/NDF: 68.0/55

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 155.268+/-0.028 χ^2/NDF: 3184186.2/29

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

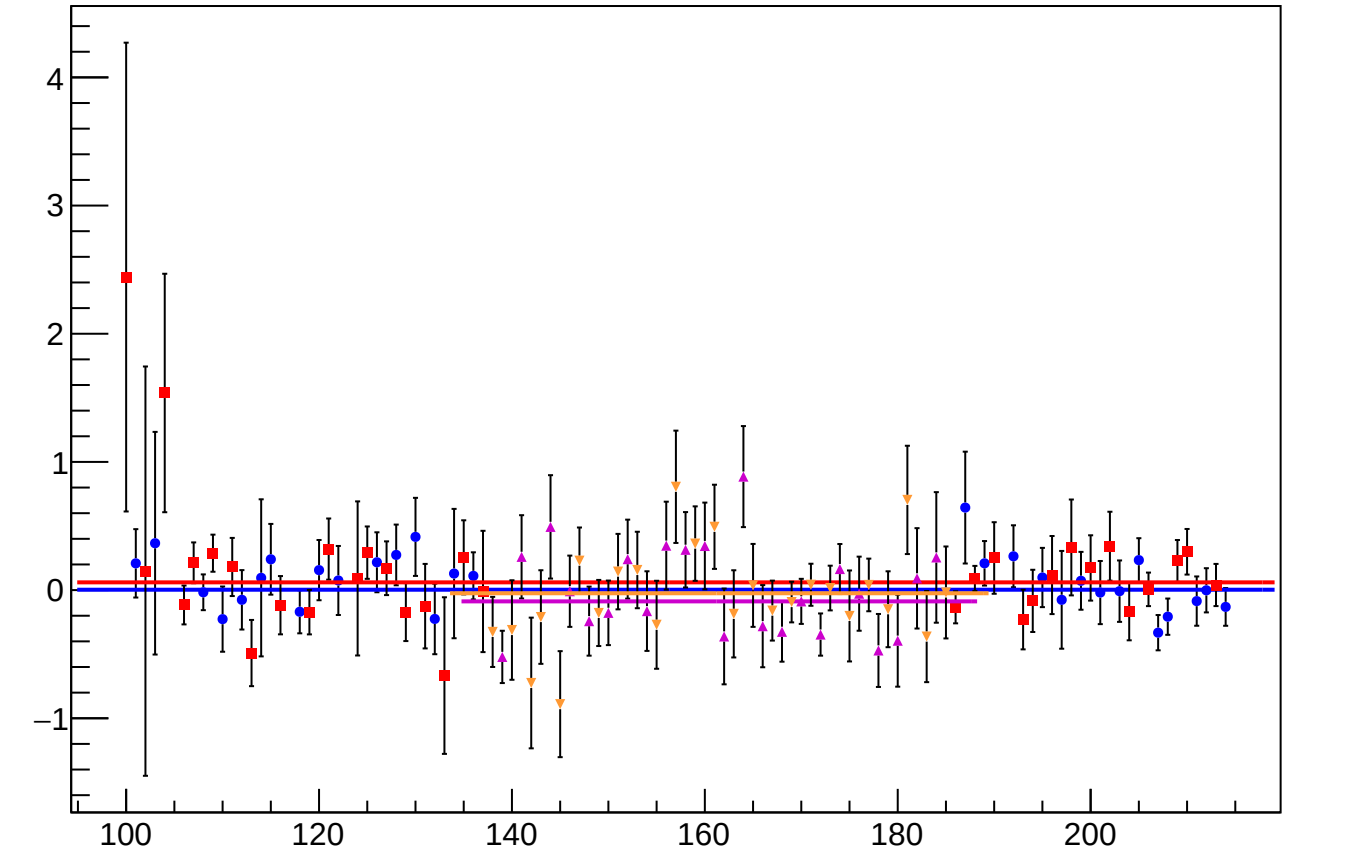
Right Out: 136.005+/-0.025 χ^2/NDF: 6058822.0/32

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 178.507+/-0.022 χ^2/NDF: 8716356.5/54

All: 169.970+/-0.015 χ^2/NDF: 21328227.4/11

- sign 162.240+/-0.021 χ^2/NDF: 12336573.1/55



Right In: 0.003+/-0.039 χ^2/NDF: 25.2/29

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

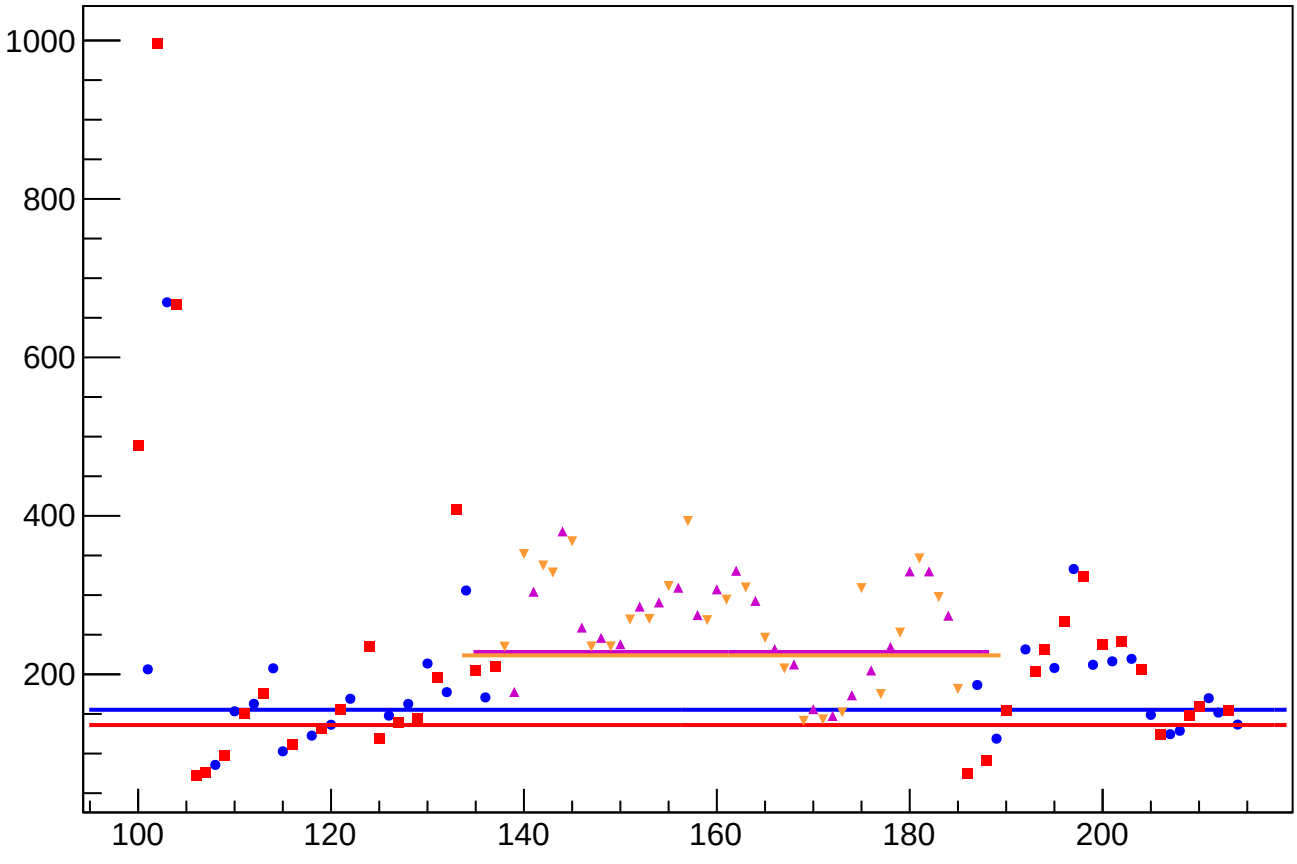
Right Out: 0.060+/-0.036 χ^2/NDF: 33.1/32

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

\+ sign -0.006+/-0.032 χ^2/NDF: 49.4/54

All: 0.006+/-0.022 χ^2/NDF: 117.7/110

\- sign 0.018+/-0.030 χ^2/NDF: 68.0/55



Right In: 155.268+/-0.028 χ^2/NDF: 3184186.2/29

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

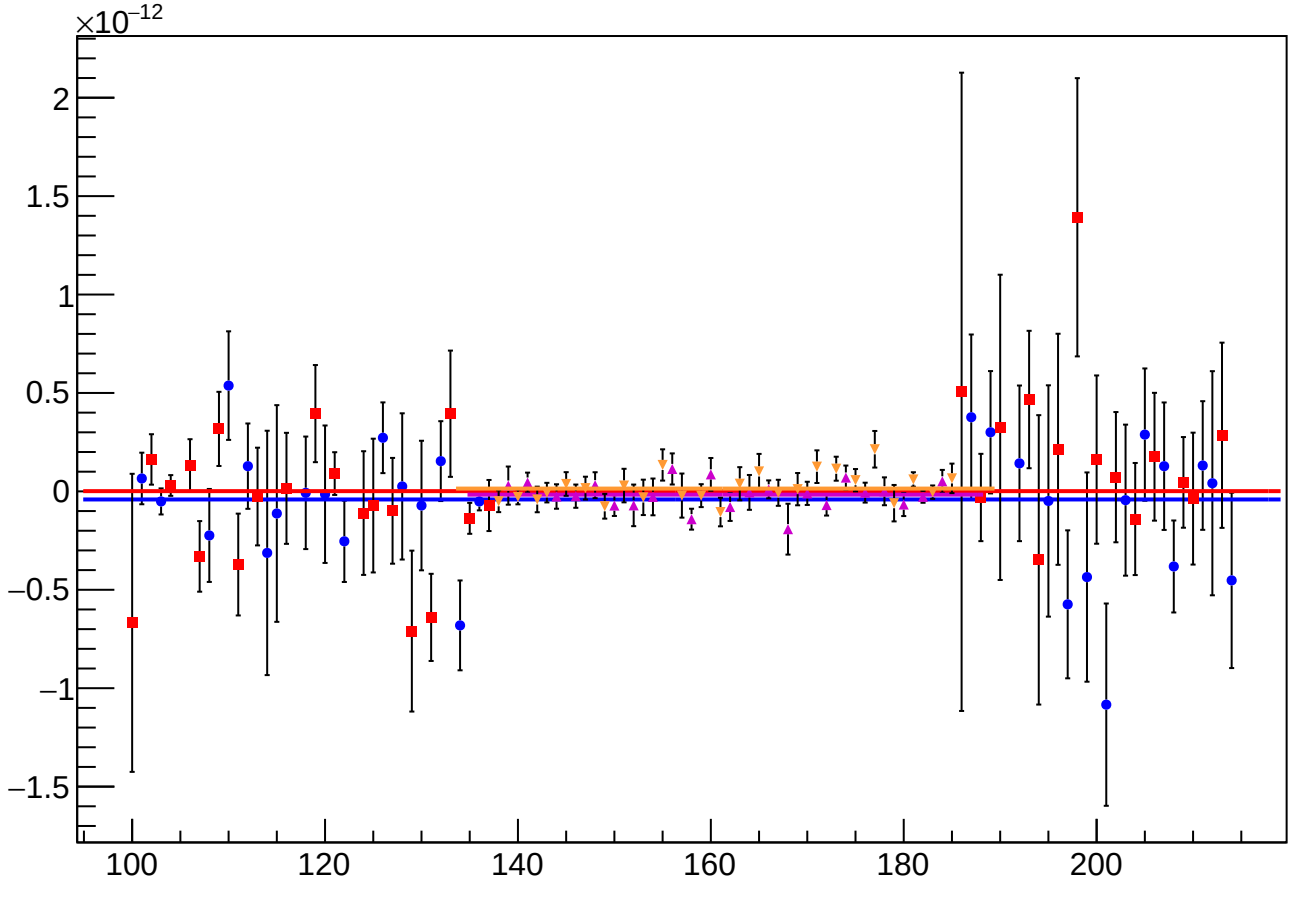
Right Out: 136.005+/-0.025 χ^2/NDF: 6058822.0/32

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 178.507+/-0.022 χ^2/NDF: 8716356.5/54

All: 169.970+/-0.015 χ^2/NDF: 21328227.4/11

- sign 162.240+/-0.021 χ^2/NDF: 12336573.1/55



Right In: -0.000+/-0.000 χ^2/NDF: 33.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

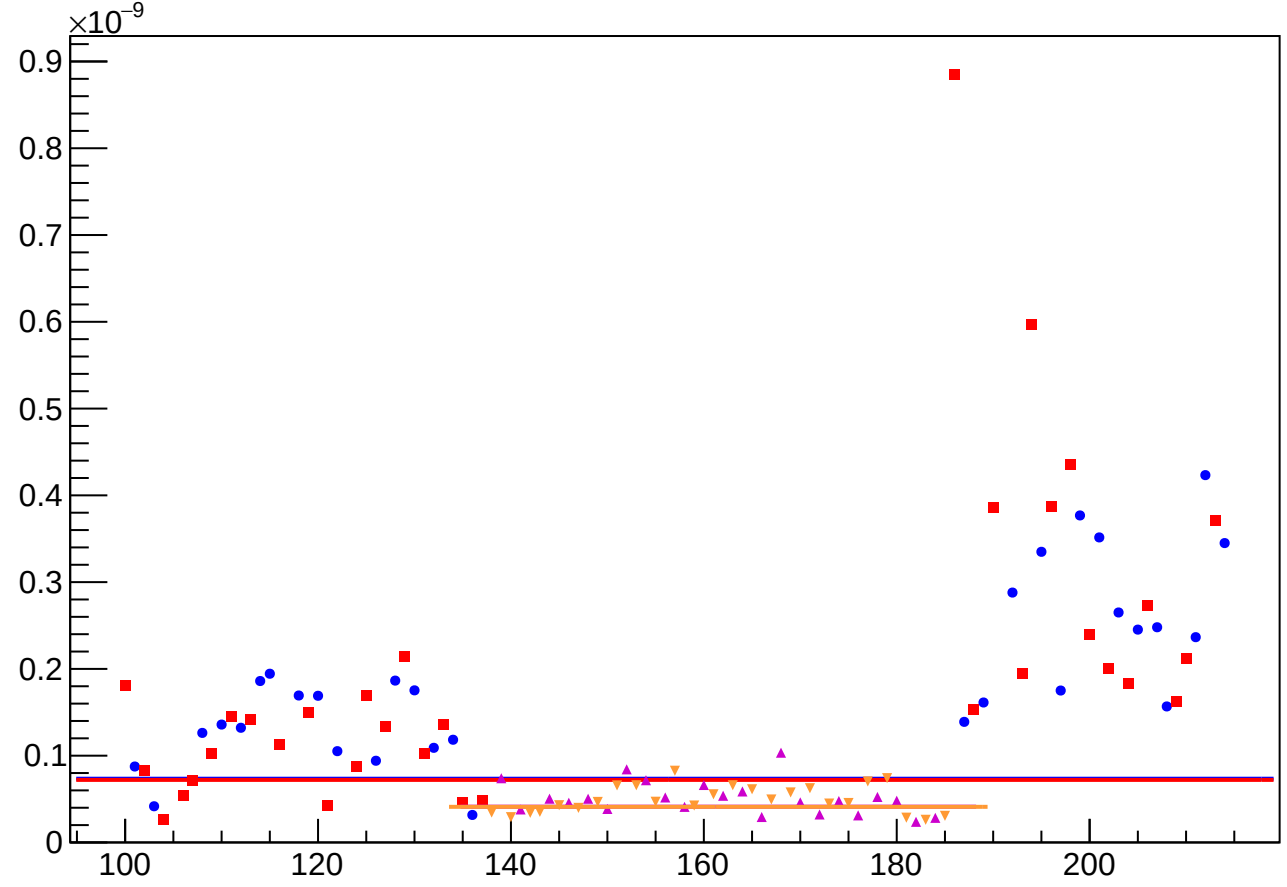
Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/32

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/54

All: -0.000+/-0.000 χ^2/NDF: 124.3/110

- sign -0.000+/-0.000 χ^2/NDF: 61.3/55



Right In: 0.000+/-0.000 χ^2/NDF: 10088757.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9859771.0/32

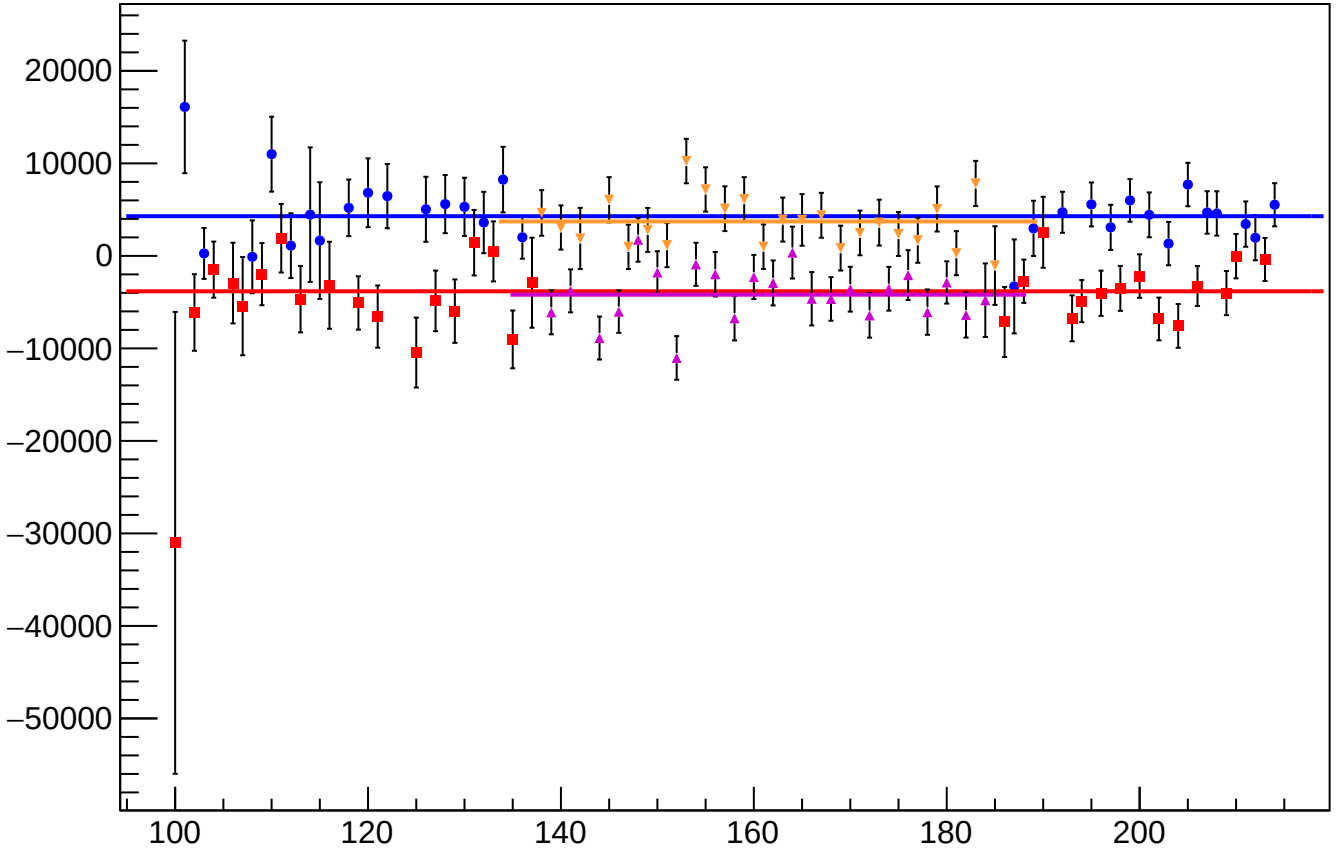
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14671960.3/54

All: 0.000+/-0.000 χ^2/NDF: 29154781.7/110

- sign 0.000+/-0.000 χ^2/NDF: 14482561.7/55

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4289.634+/-526.293 χ^2/NDF: 22.0/29

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -3826.662+/-525.113 χ^2/NDF: 31.0/31

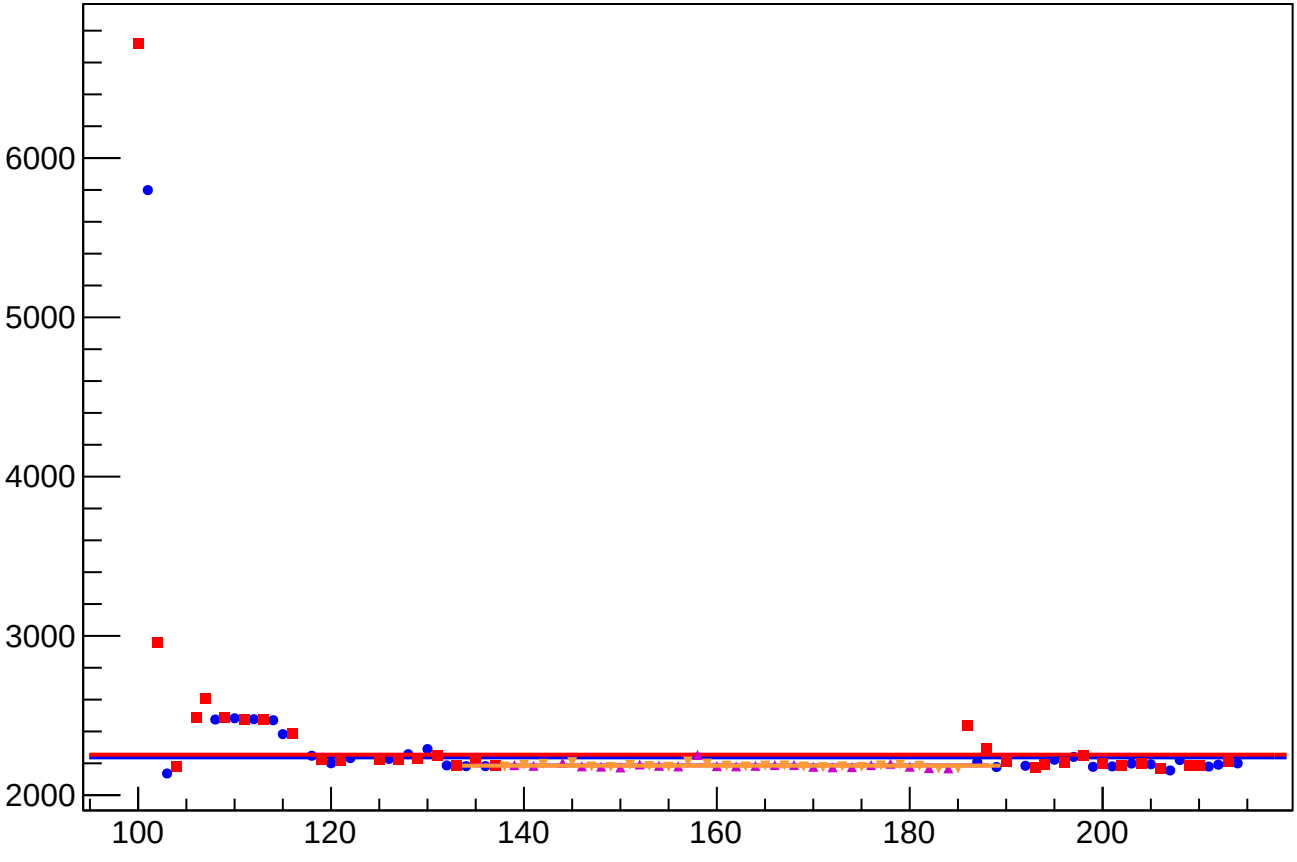
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3996.079+/-365.191 χ^2/NDF: 48.1/53

All: -0.638+/-258.537 χ^2/NDF: 351.6/108

- sign -4016.484+/-366.064 χ^2/NDF: 63.4/54

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2237.309+/-0.372 χ^2/NDF: 538251.7/29

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

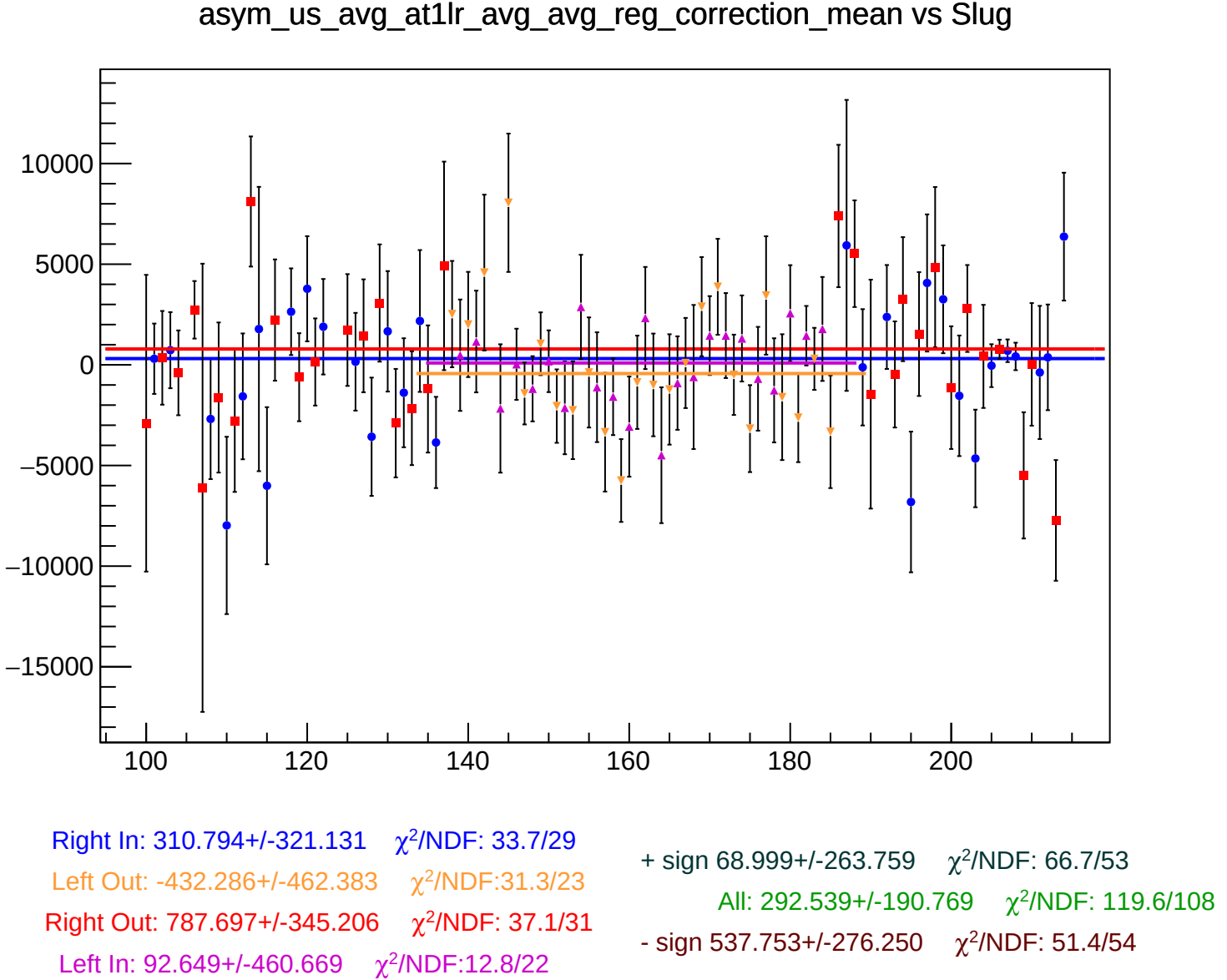
Right Out: 2254.268+/-0.371 χ^2/NDF: 187037.6/31

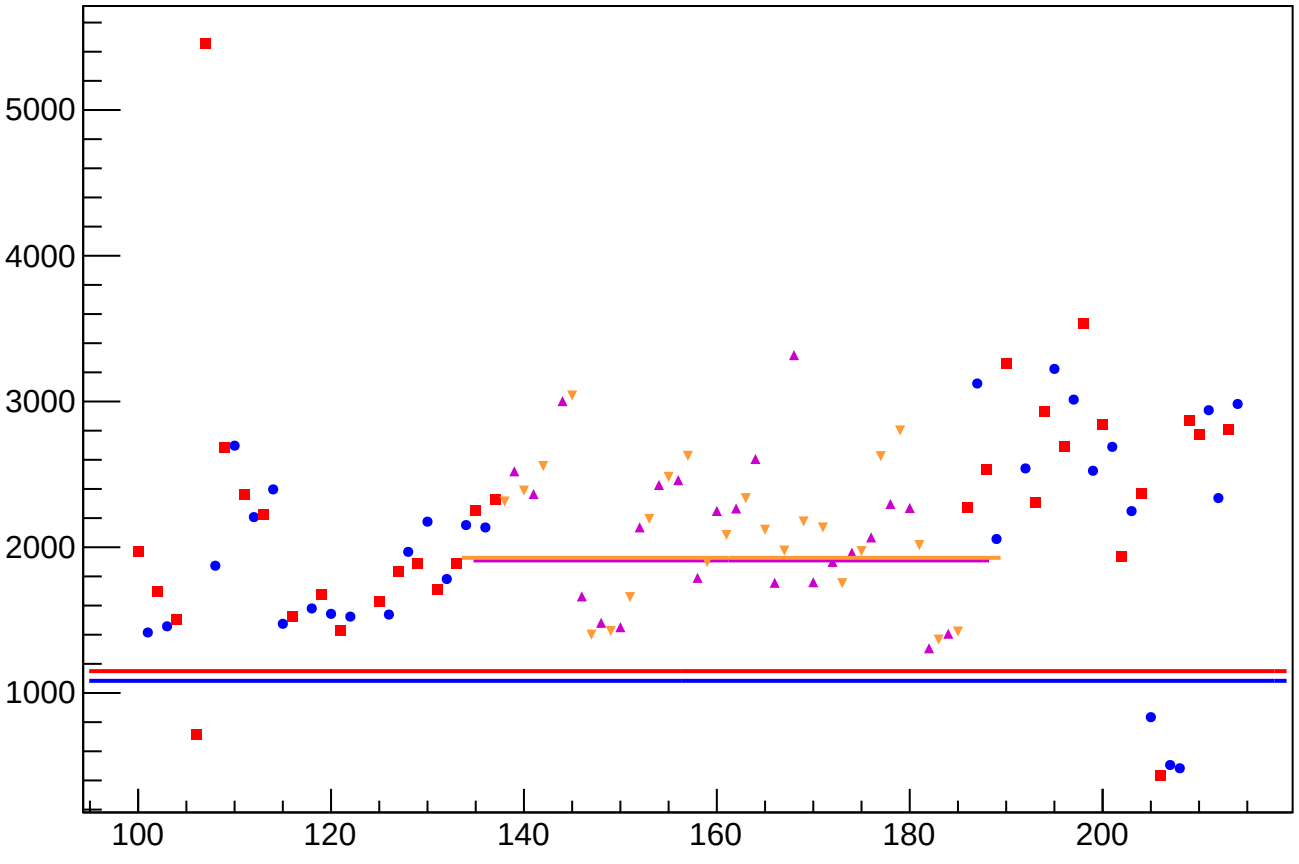
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.255+/-0.258 χ^2/NDF: 549259.1/53

All: 2214.896+/-0.183 χ^2/NDF: 756006.7/108

- sign 2219.559+/-0.259 χ^2/NDF: 206100.0/54


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 310.794+/-321.131 χ²/NDF: 33.7/29
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: 787.697+/-345.206 χ²/NDF: 37.1/31
Left In: 92.649+/-460.669 χ²/NDF:12.8/22
+ sign 68.999+/-263.759 χ²/NDF: 66.7/53
All: 292.539+/-190.769 χ²/NDF: 119.6/108
- sign 537.753+/-276.250 χ²/NDF: 51.4/54



Right In: 1083.506+/-0.227 χ^2/NDF: 11994791.3/29

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

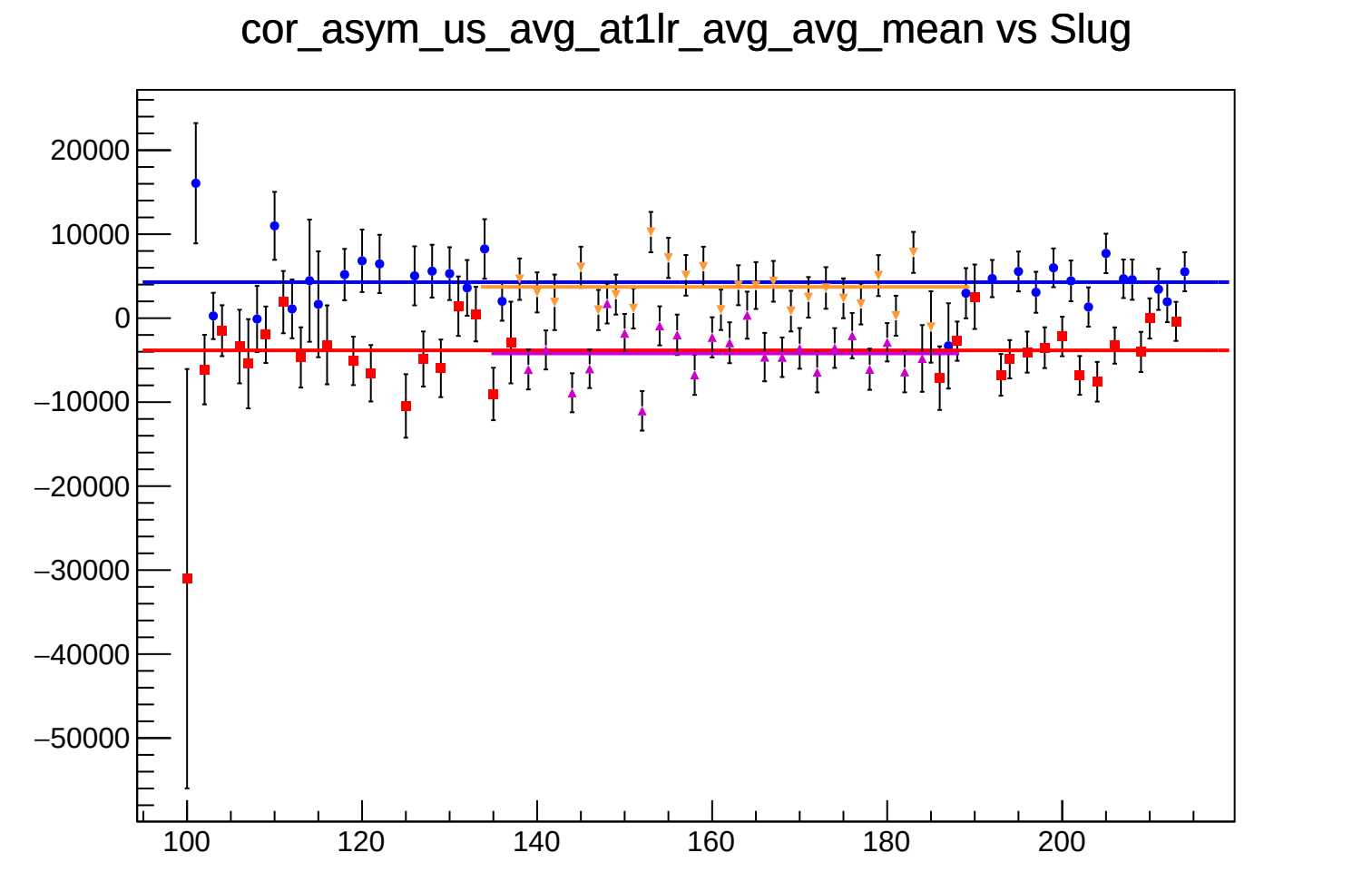
Right Out: 1150.018+/-0.244 χ^2/NDF: 13527430.9/31

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1358.190+/-0.187 χ^2/NDF: 18290131.5/53

All: 1389.179+/-0.135 χ^2/NDF: 37299991.0/1

- sign 1423.173+/-0.195 χ^2/NDF: 18951966.3/54



Right In: 4289.406+/-526.293 χ^2/NDF: 22.0/29

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3833.240+/-525.146 χ^2/NDF: 31.0/31

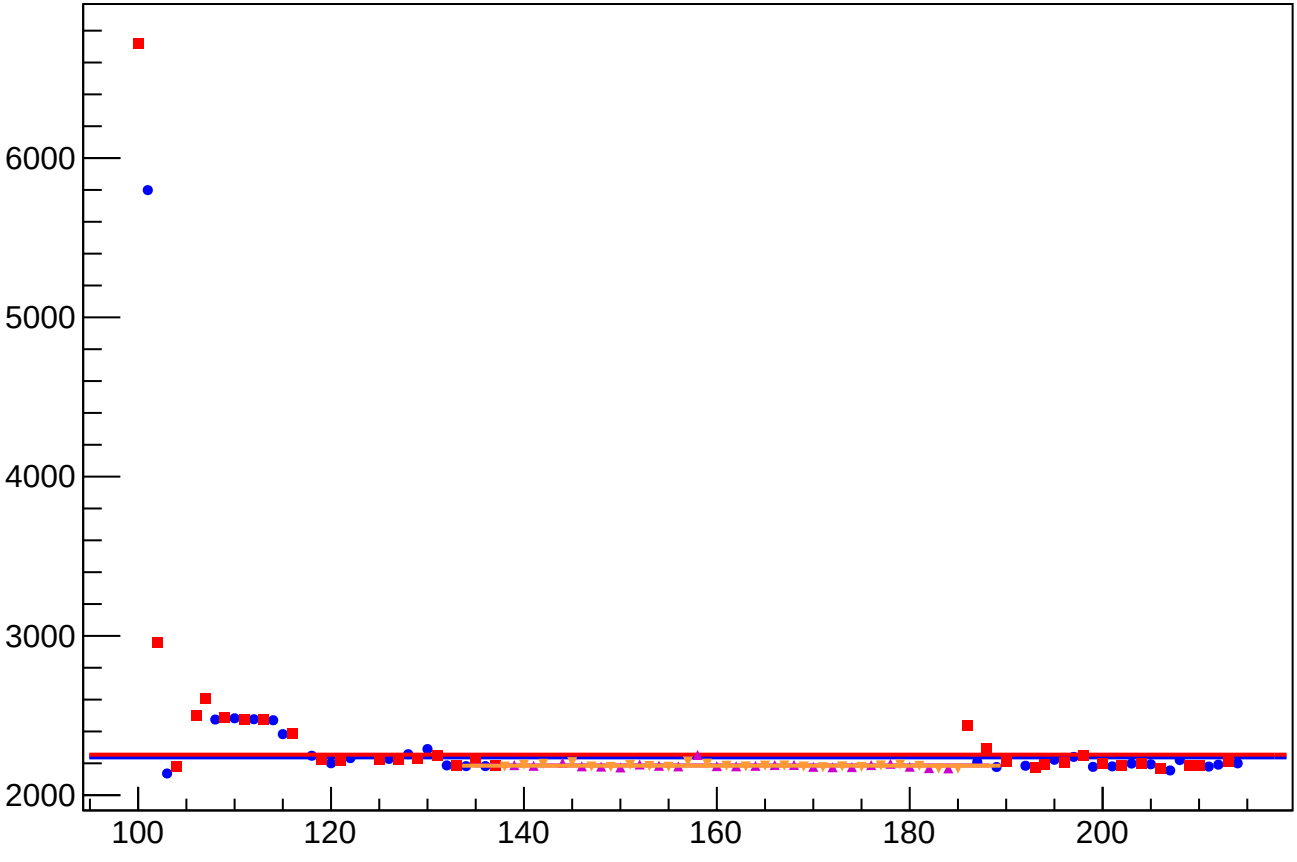
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3995.942+/-365.191 χ^2/NDF: 48.0/53

All: -2.215+/-258.541 χ^2/NDF: 351.7/108

- sign -4019.752+/-366.075 χ^2/NDF: 63.3/54

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2237.309+/-0.372 χ^2/NDF: 538252.1/29

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

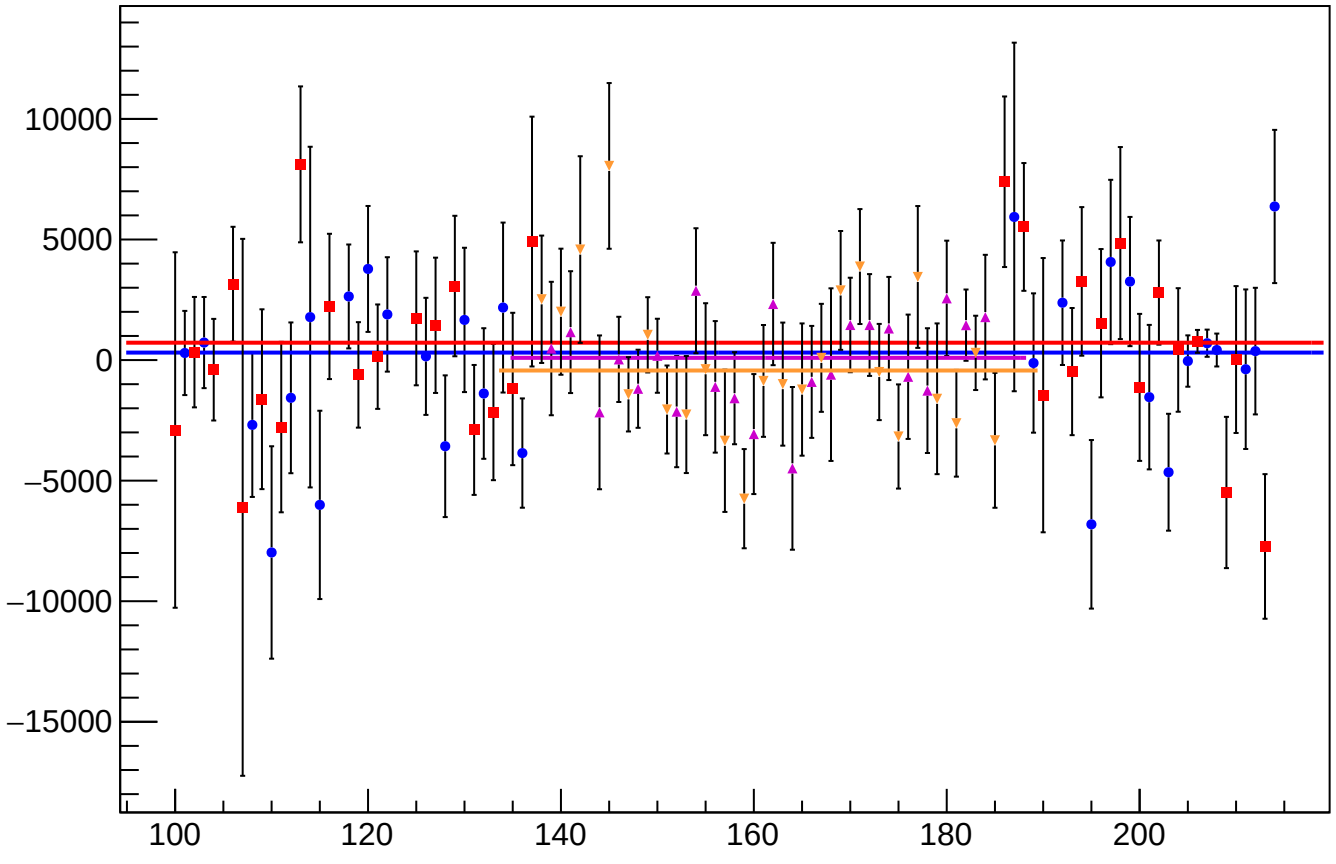
Right Out: 2254.392+/-0.371 χ^2/NDF: 187526.4/31

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.255+/-0.258 χ^2/NDF: 549259.5/53

All: 2214.925+/-0.183 χ^2/NDF: 756565.7/108

- sign 2219.618+/-0.259 χ^2/NDF: 206650.5/54



Right In: 310.607+/-321.111 χ^2/NDF: 33.7/29

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

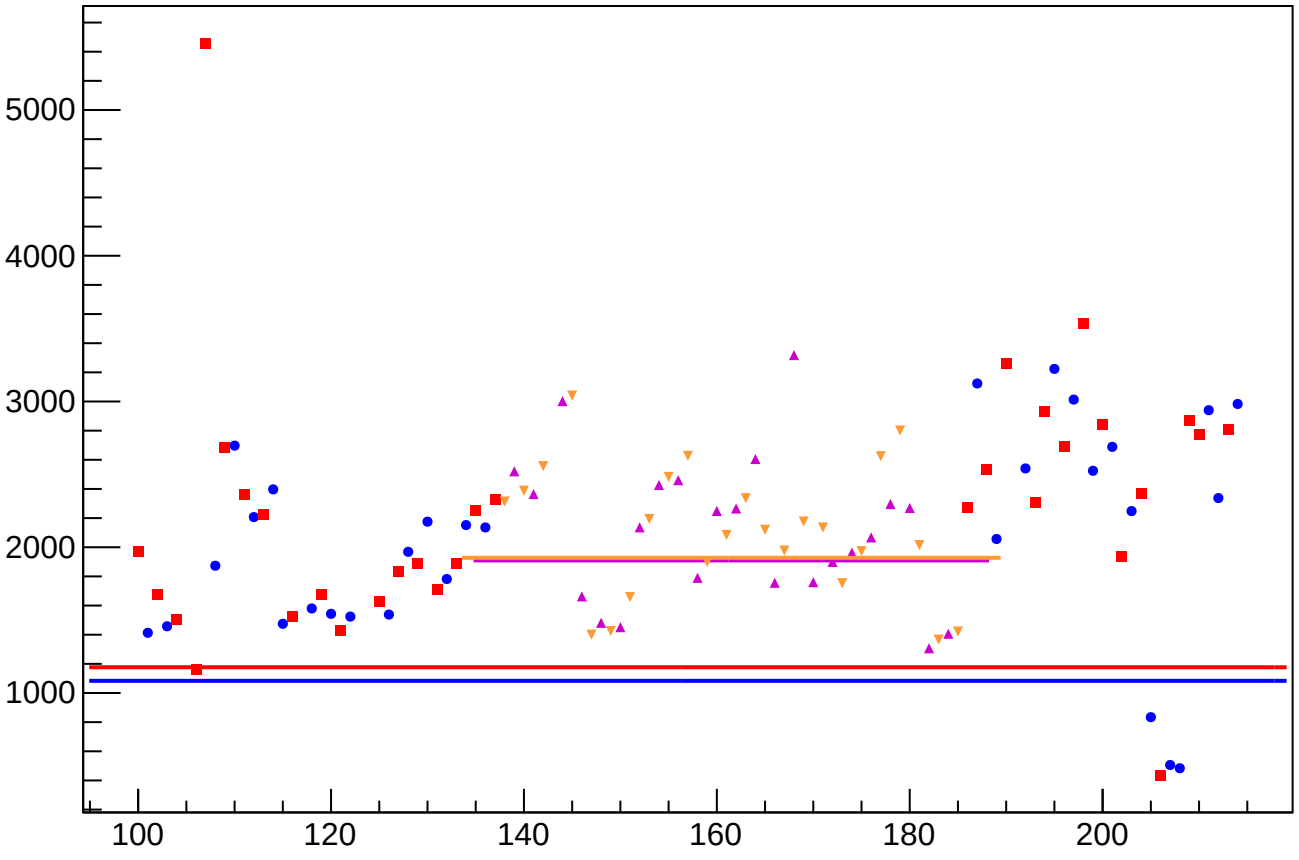
Right Out: 720.396+/-351.693 χ^2/NDF: 36.2/31

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 68.882+/-263.748 χ^2/NDF: 66.7/53

All: 266.847+/-191.838 χ^2/NDF: 118.1/108

- sign 489.229+/-279.541 χ^2/NDF: 50.2/54



Right In: 1083.444+/-0.227 χ^2/NDF: 11994664.0/29

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

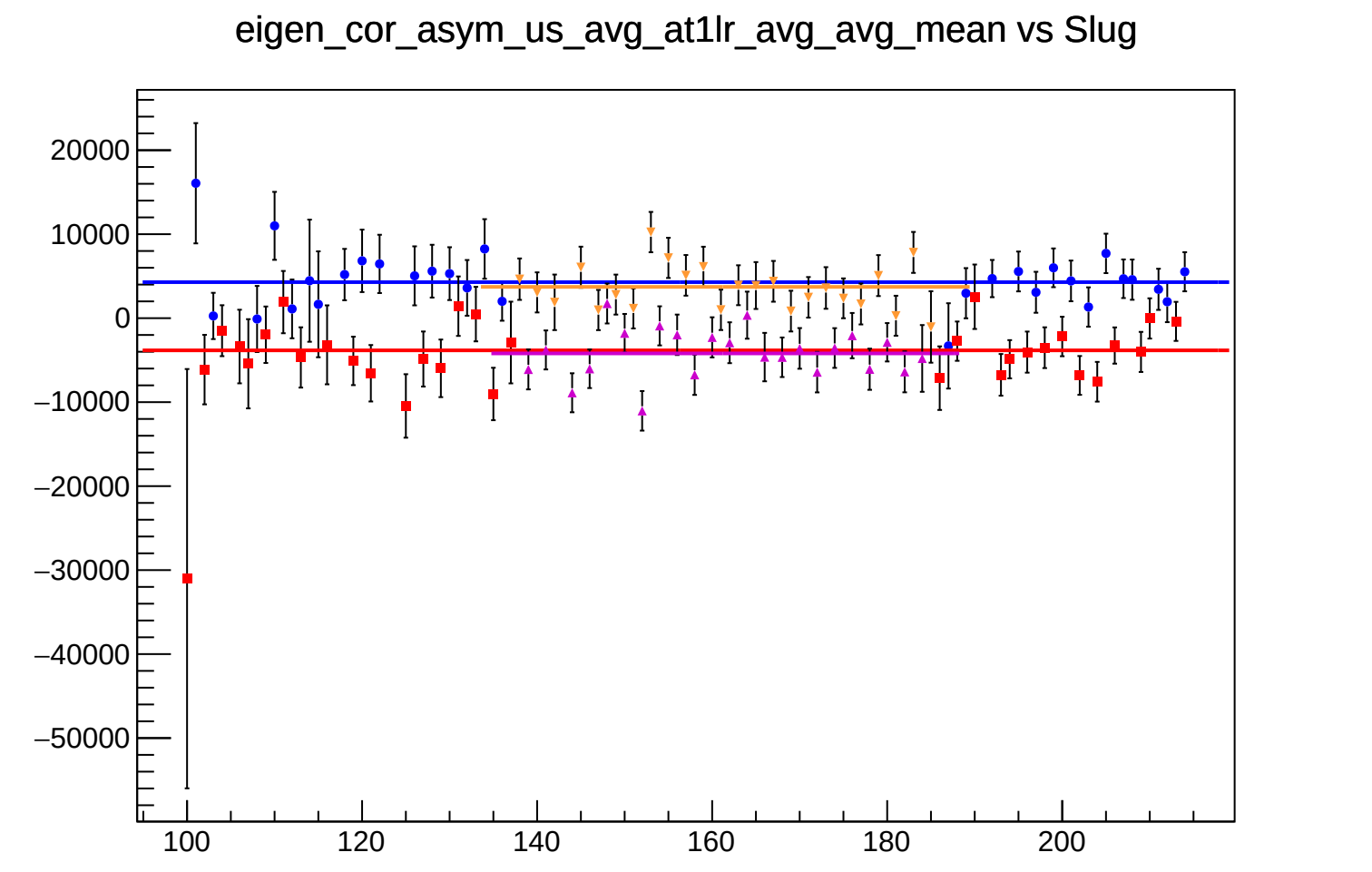
Right Out: 1176.694+/-0.249 χ^2/NDF: 13326878.5/31

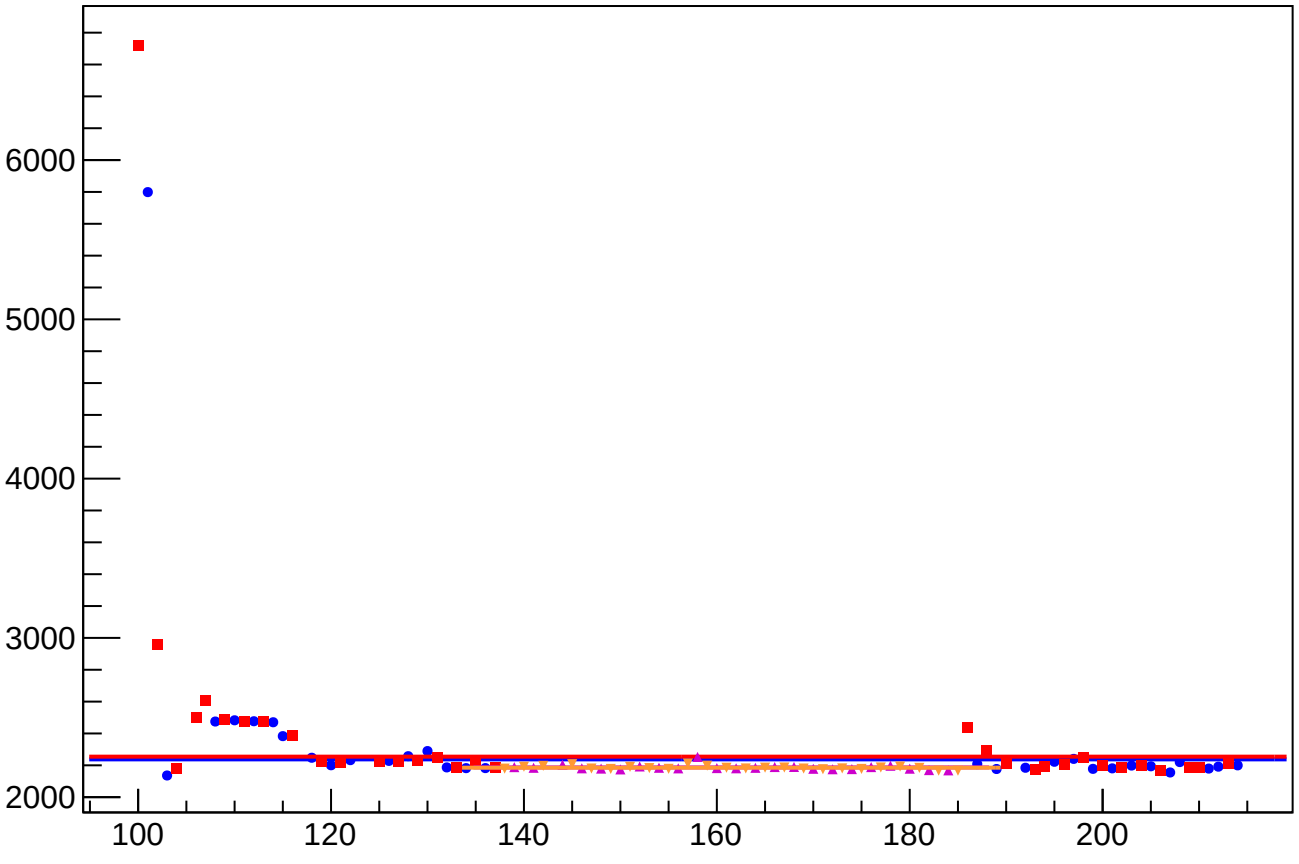
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1358.124+/-0.186 χ^2/NDF: 18290869.4/53

All: 1399.780+/-0.136 χ^2/NDF: 36864353.0/1

- sign 1446.574+/-0.198 χ^2/NDF: 18467552.2/54


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 4289.406+/-526.293 χ²/NDF: 22.0/29
Left Out: 3723.433+/-507.155 χ²/NDF:25.4/23
Right Out: -3833.240+/-525.146 χ²/NDF: 31.0/31
Left In: -4196.060+/-510.578 χ²/NDF:32.1/22
+ sign 3995.942+/-365.191 χ²/NDF: 48.0/53
All: -2.215+/-258.541 χ²/NDF: 351.7/108
- sign -4019.752+/-366.075 χ²/NDF: 63.3/54



Right In: 2237.309+/-0.372 χ^2/NDF: 538252.1/29

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

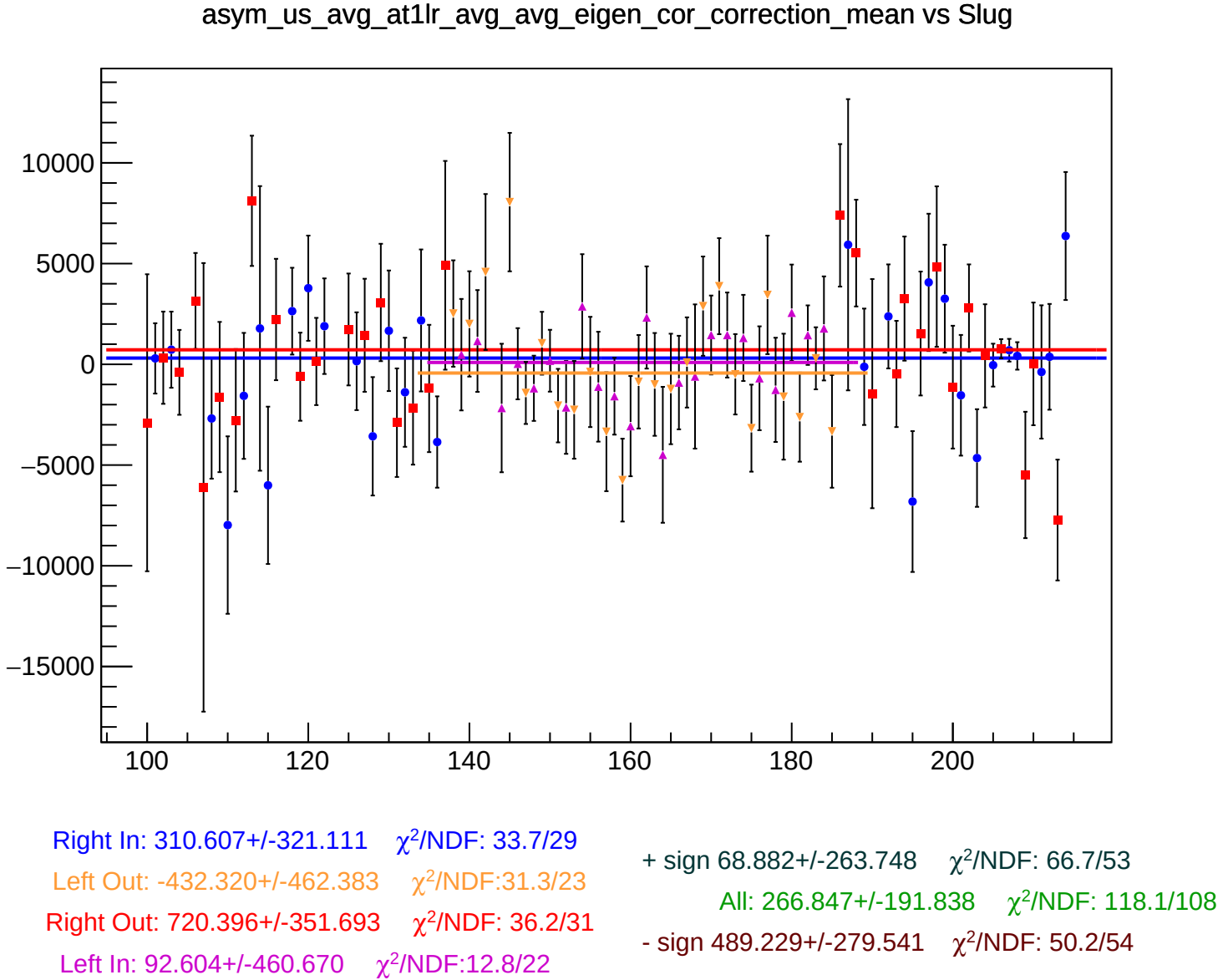
Right Out: 2254.392+/-0.371 χ^2/NDF: 187526.4/31

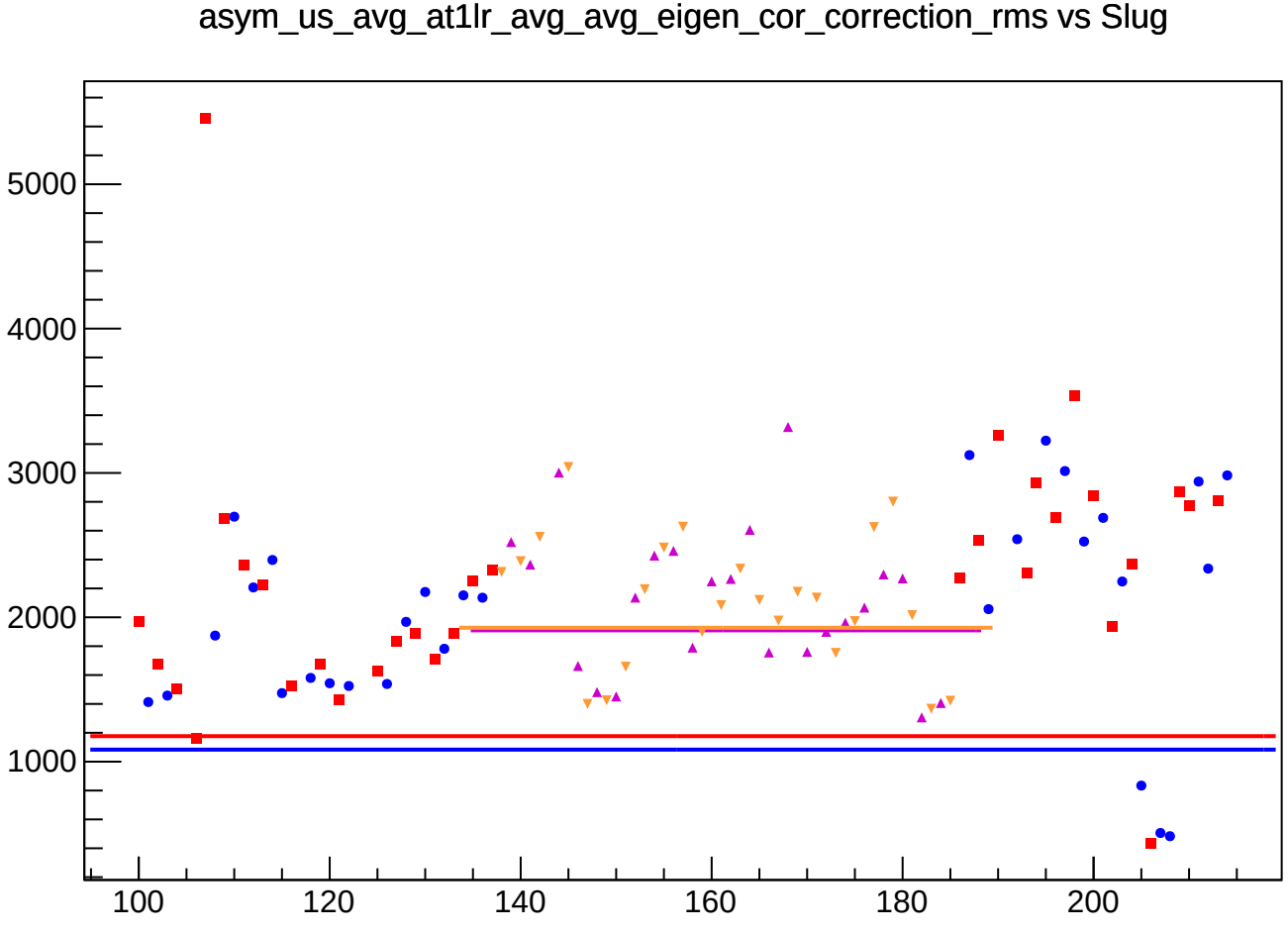
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2210.255+/-0.258 χ^2/NDF: 549259.5/53

All: 2214.925+/-0.183 χ^2/NDF: 756565.7/108

- sign 2219.618+/-0.259 χ^2/NDF: 206650.5/54


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 310.607+/-321.111 χ²/NDF: 33.7/29
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 720.396+/-351.693 χ²/NDF: 36.2/31
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 68.882+/-263.748 χ²/NDF: 66.7/53
All: 266.847+/-191.838 χ²/NDF: 118.1/108
- sign 489.229+/-279.541 χ²/NDF: 50.2/54



Right In: 1083.444+/-0.227 χ^2/NDF: 11994664.0/29

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1176.694+/-0.249 χ^2/NDF: 13326878.5/31

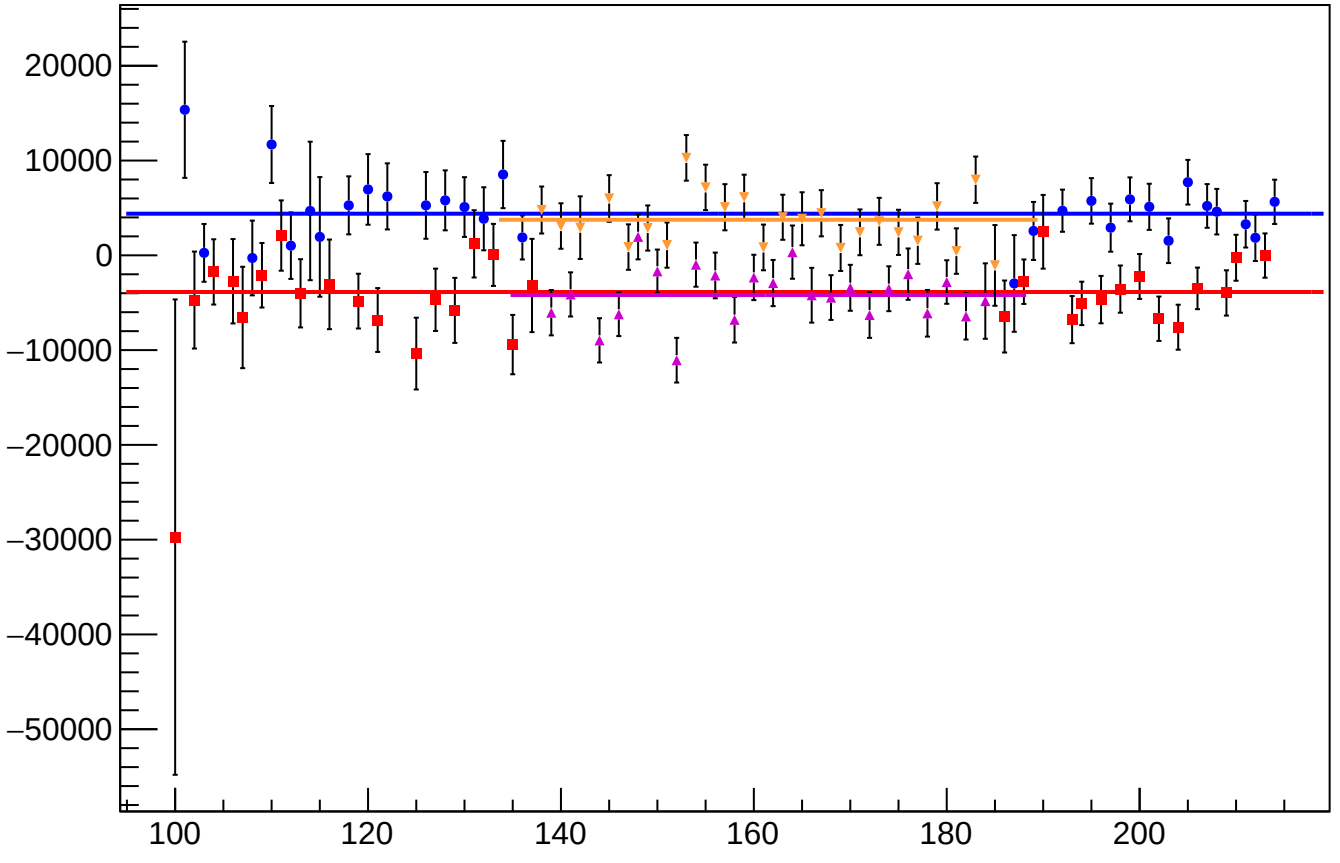
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1358.124+/-0.186 χ^2/NDF: 18290869.4/53

All: 1399.780+/-0.136 χ^2/NDF: 36864353.0/1

- sign 1446.574+/-0.198 χ^2/NDF: 18467552.2/54

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4392.890+/-531.401 χ^2/NDF: 22.3/29

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3869.806+/-532.476 χ^2/NDF: 30.0/31

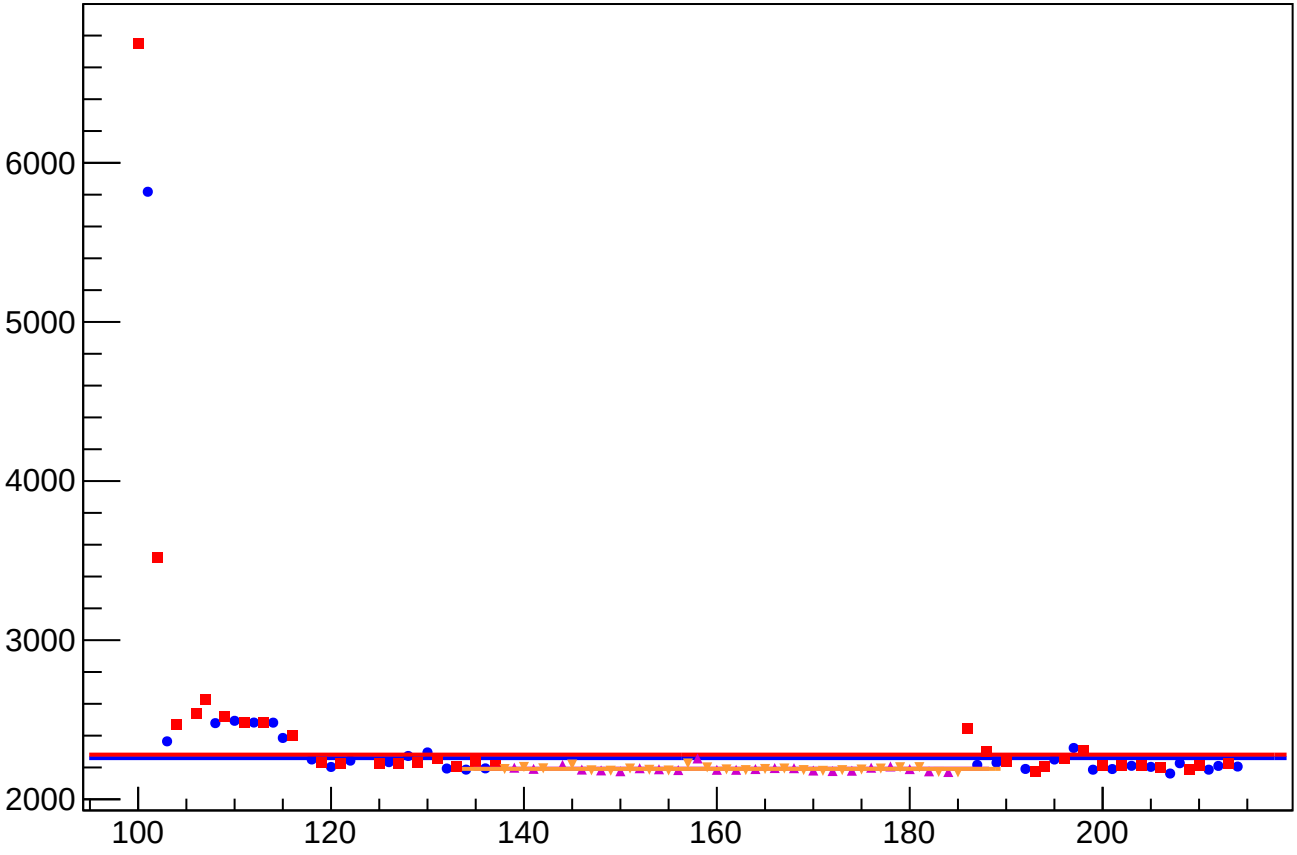
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4059.459+/-367.419 χ^2/NDF: 48.8/53

All: 30.653+/-260.367 χ^2/NDF: 353.1/108

- sign -4033.213+/-369.014 χ^2/NDF: 62.8/54

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2258.637+/-0.376 χ^2/NDF: 537370.6/29

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

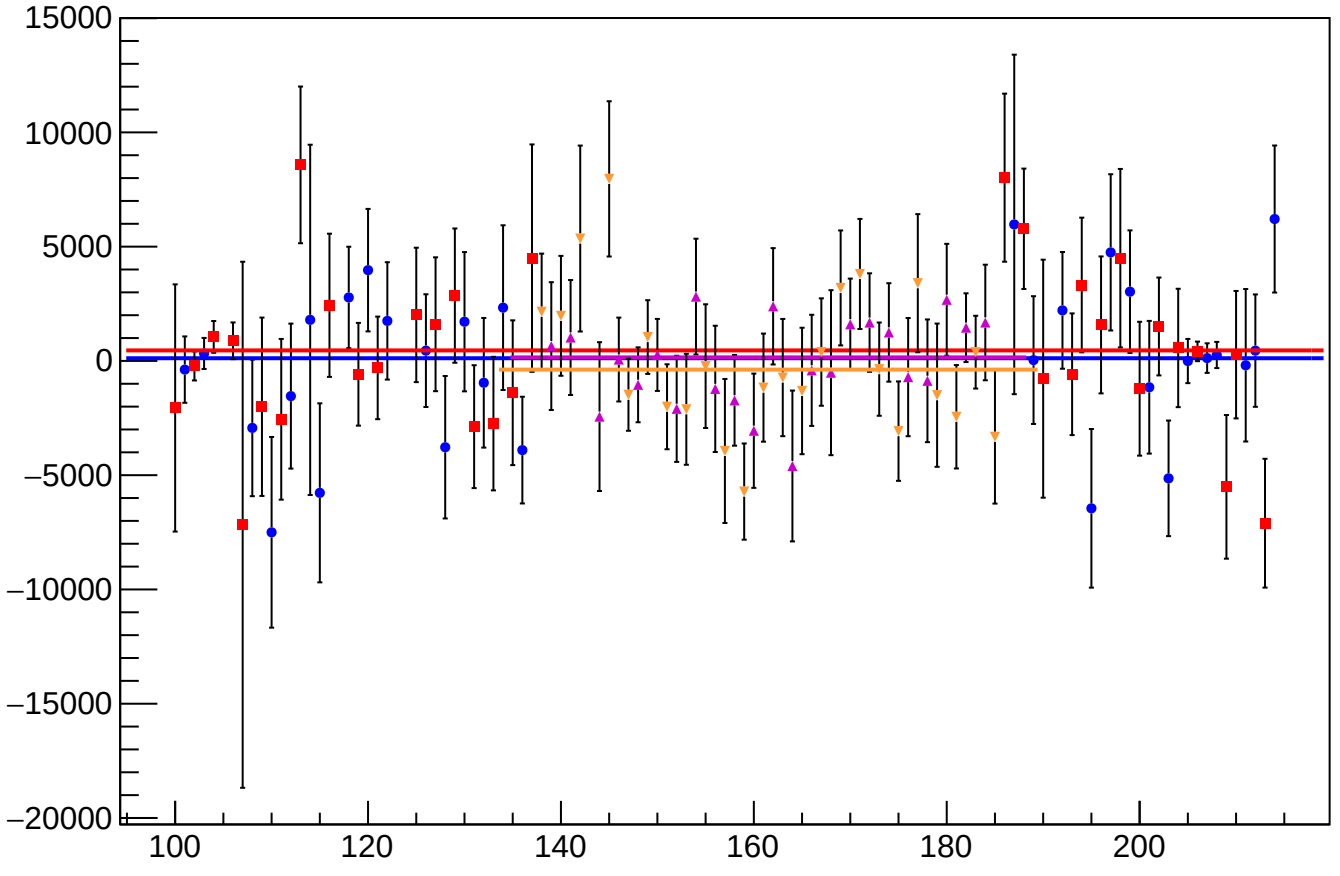
Right Out: 2280.712+/-0.377 χ^2/NDF: 253877.3/31

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2223.411+/-0.260 χ^2/NDF: 555437.8/53

All: 2229.036+/-0.184 χ^2/NDF: 841260.0/108

- sign 2234.710+/-0.261 χ^2/NDF: 284880.5/54



Right In: 117.500+/-288.854 χ^2/NDF: 32.5/29

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

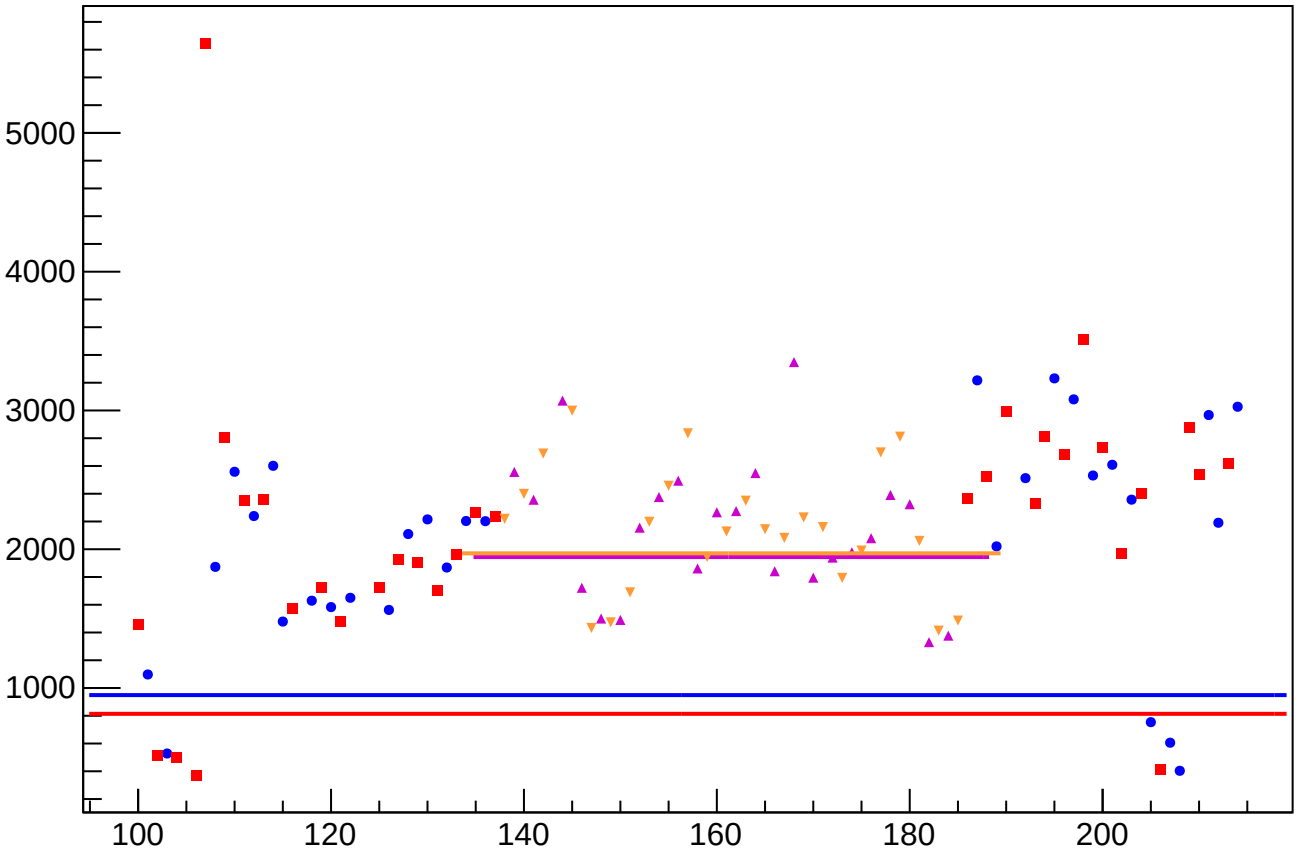
Right Out: 459.781+/-261.657 χ^2/NDF: 37.1/31

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -18.406+/-246.305 χ^2/NDF: 64.1/53

All: 199.624+/-167.470 χ^2/NDF: 115.8/108

- sign 387.082+/-228.385 χ^2/NDF: 50.3/54



Right In: 948.965+/-0.204 χ^2/NDF: 13335831.8/29

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

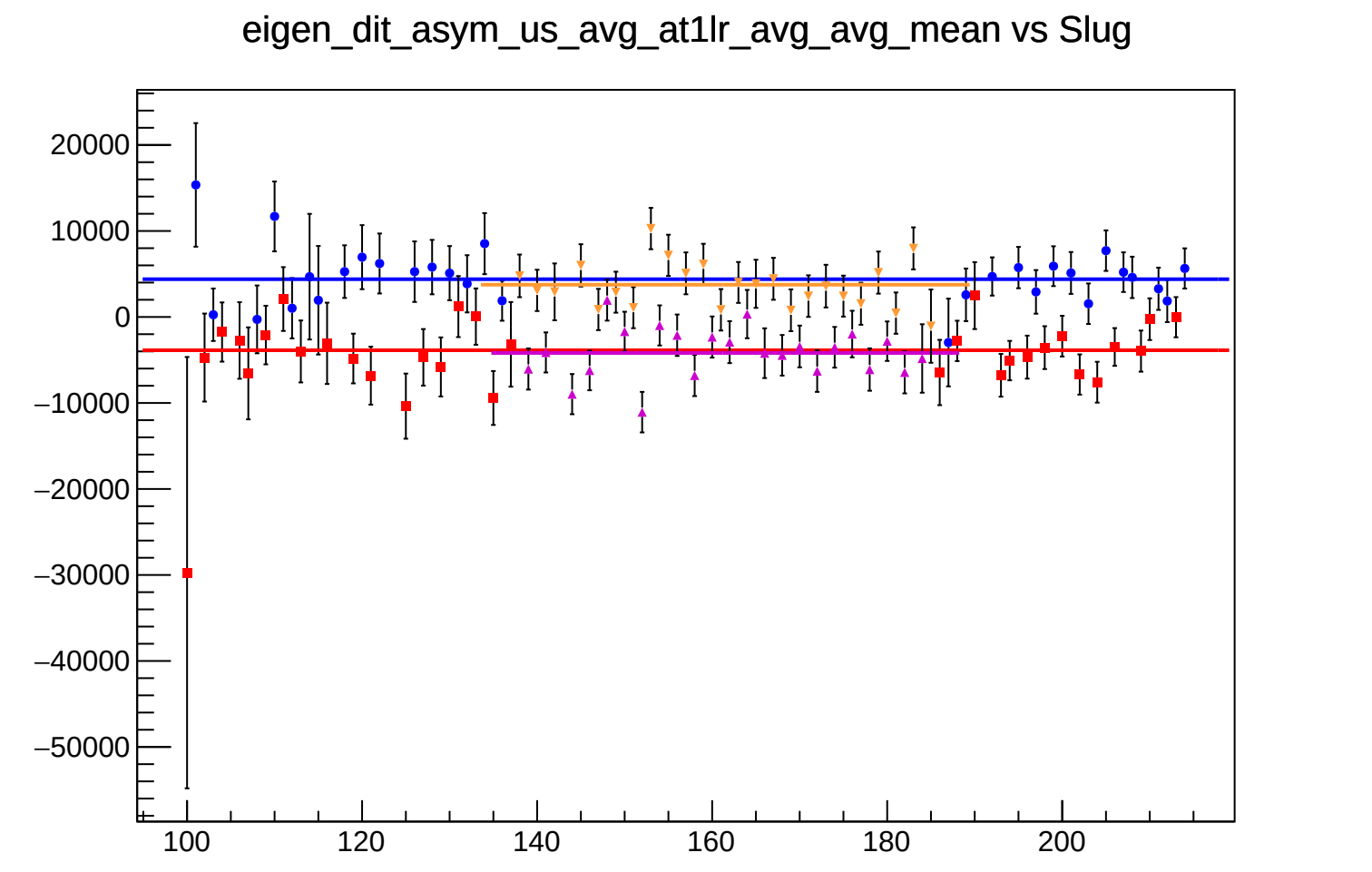
Right Out: 813.984+/-0.185 χ^2/NDF: 16901708.8/31

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1227.793+/-0.174 χ^2/NDF: 21861058.1/53

All: 1149.941+/-0.118 χ^2/NDF: 49894873.8/1

- sign 1083.005+/-0.161 χ^2/NDF: 27662205.3/54



Right In: 4392.889+/-531.401 χ^2/NDF: 22.3/29

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3869.803+/-532.476 χ^2/NDF: 30.0/31

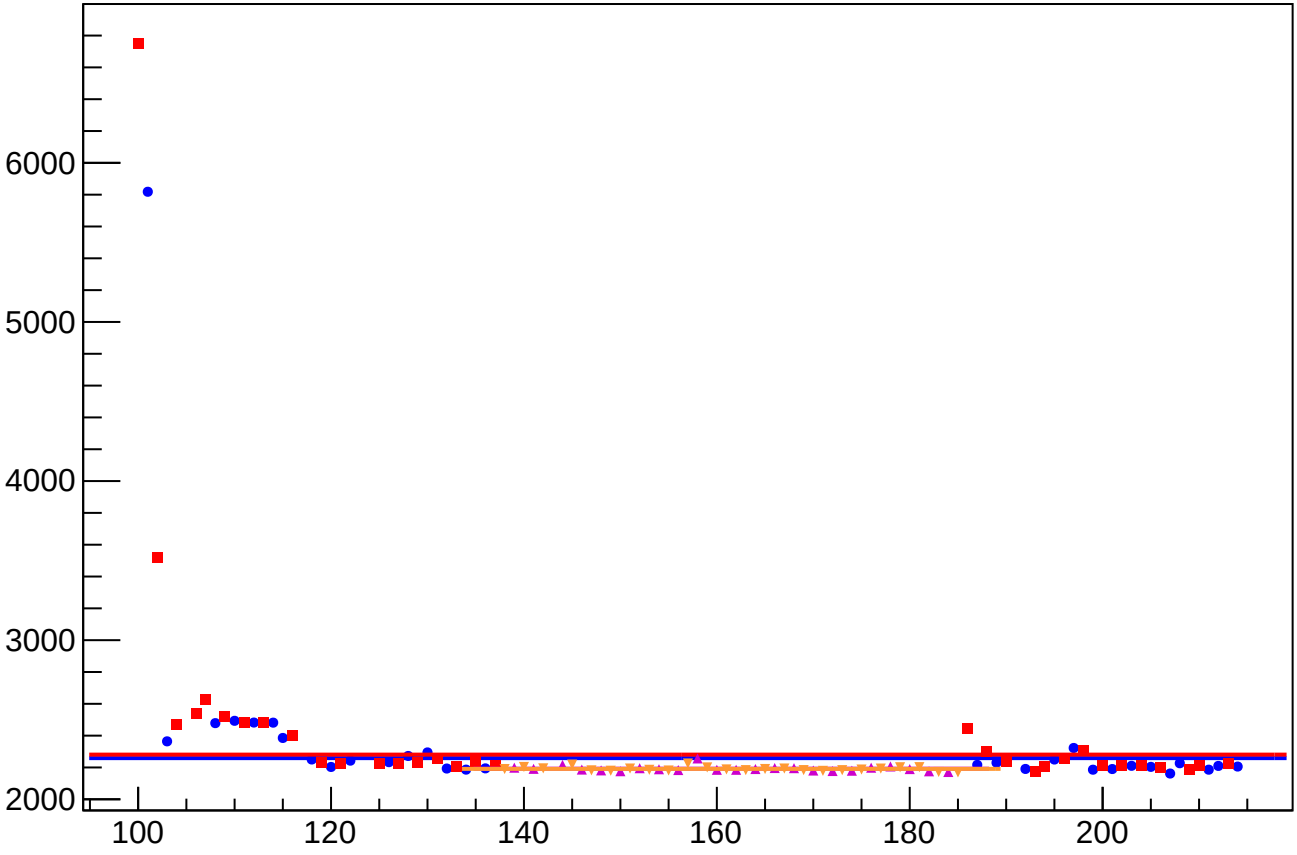
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4059.458+/-367.419 χ^2/NDF: 48.8/53

All: 30.652+/-260.367 χ^2/NDF: 353.1/108

- sign -4033.212+/-369.014 χ^2/NDF: 62.8/54

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2258.637+/-0.376 χ^2/NDF: 537370.5/29

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

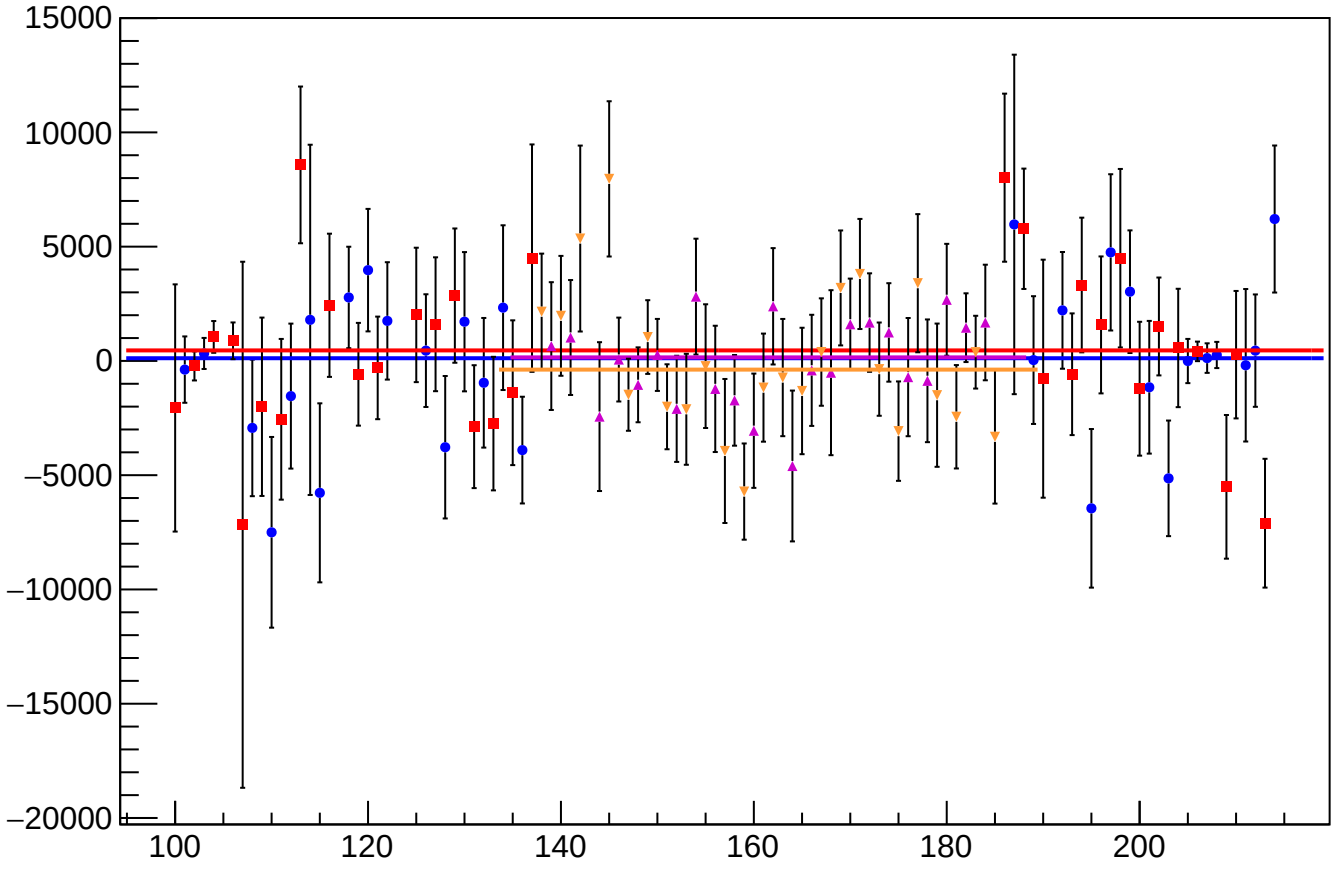
Right Out: 2280.712+/-0.377 χ^2/NDF: 253876.1/31

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2223.411+/-0.260 χ^2/NDF: 555437.5/53

All: 2229.036+/-0.184 χ^2/NDF: 841258.3/108

- sign 2234.710+/-0.261 χ^2/NDF: 284879.1/54



Right In: 117.496+/-288.854 χ^2/NDF: 32.5/29

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

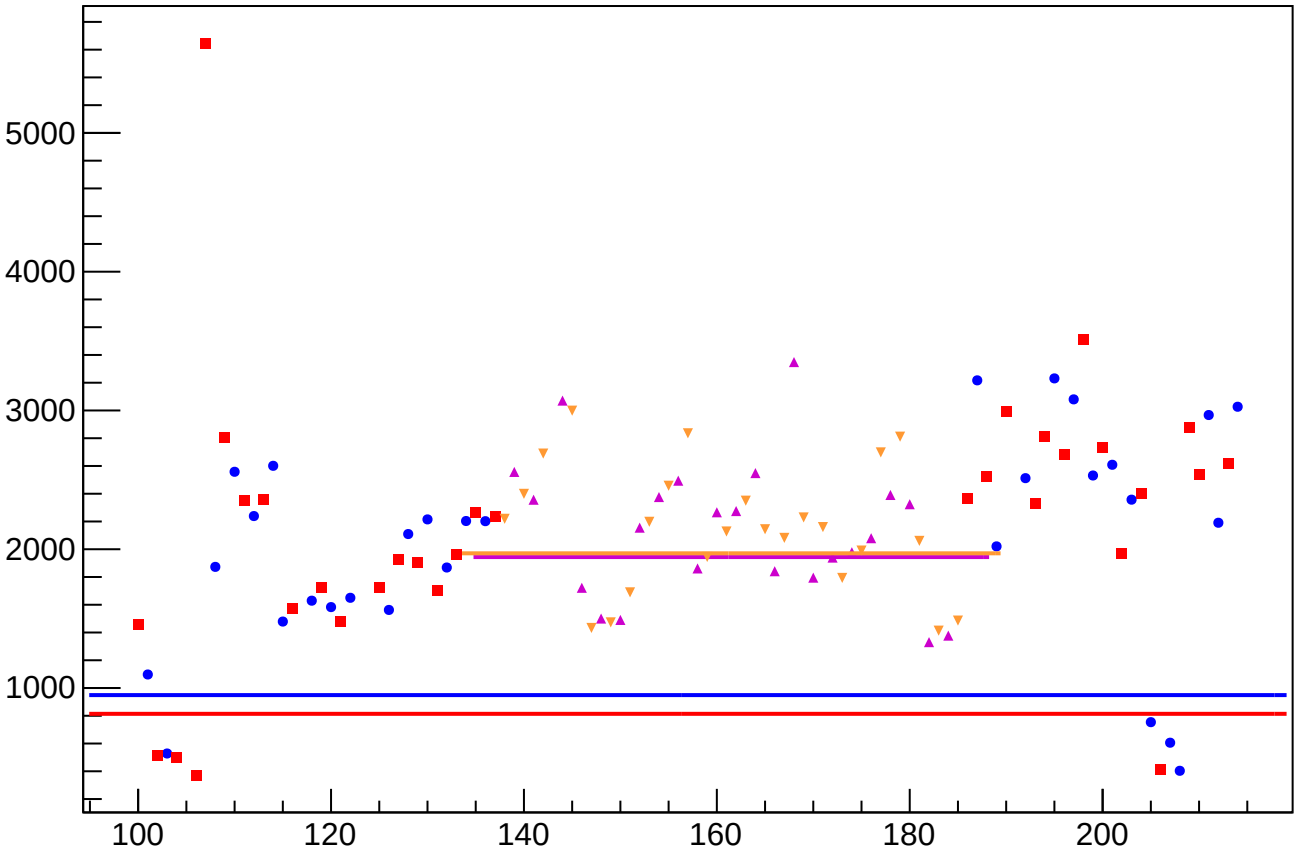
Right Out: 459.778+/-261.658 χ^2/NDF: 37.1/31

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -18.409+/-246.305 χ^2/NDF: 64.1/53

All: 199.620+/-167.470 χ^2/NDF: 115.8/108

- sign 387.079+/-228.386 χ^2/NDF: 50.3/54



Right In: 948.964+/-0.204 χ^2/NDF: 13335852.2/29

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 813.989+/-0.185 χ^2/NDF: 16901634.3/31

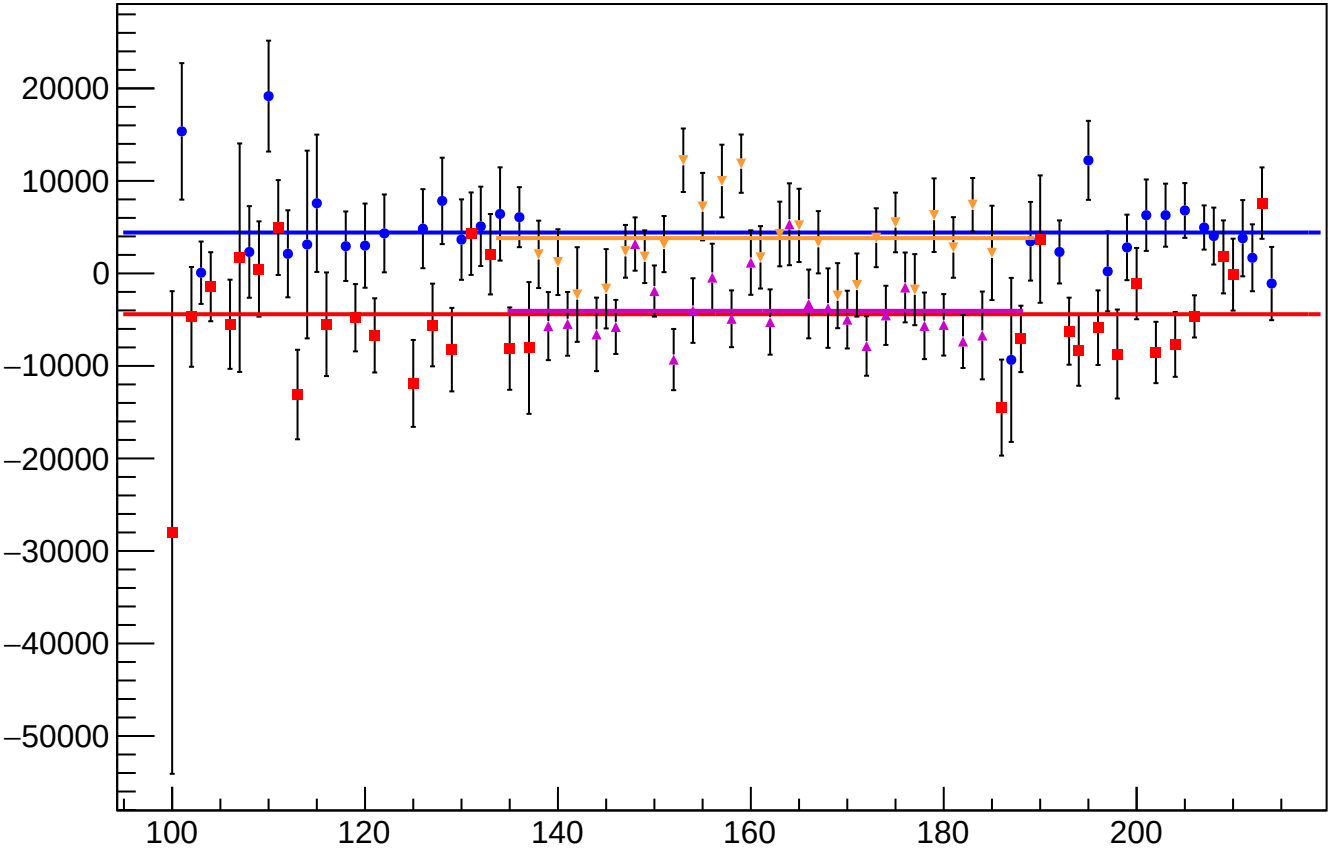
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1227.794+/-0.174 χ^2/NDF: 21861108.3/53

All: 1149.944+/-0.118 χ^2/NDF: 49894758.0/1

- sign 1083.011+/-0.161 χ^2/NDF: 27662067.4/54

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4419.911+/-734.060 χ^2/NDF: 22.9/29

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -4410.589+/-750.195 χ^2/NDF: 44.4/31

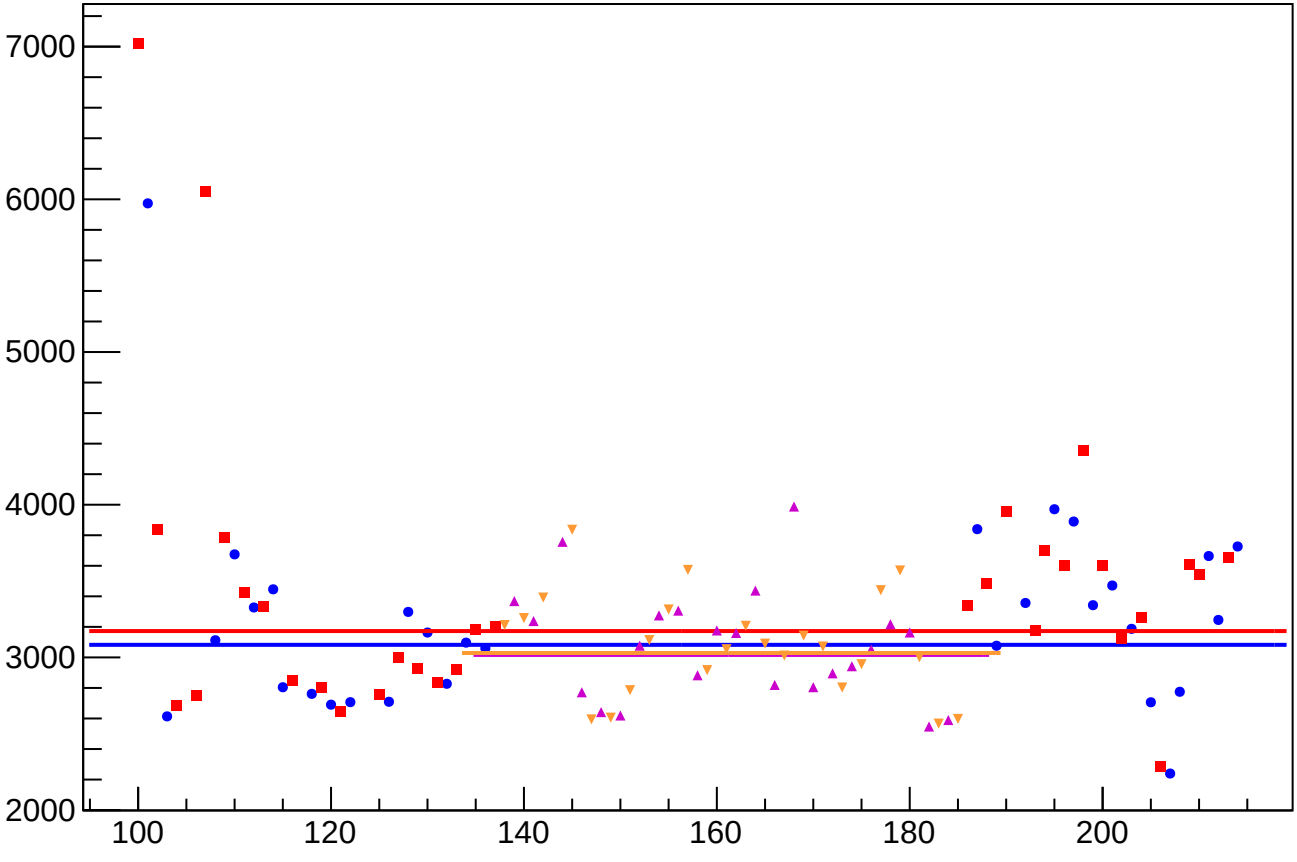
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4108.130+/-509.712 χ^2/NDF: 54.2/53

All: -7.020+/-362.452 χ^2/NDF: 253.0/108

- sign -4216.268+/-515.507 χ^2/NDF: 67.0/54

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3082.340+/-0.519 χ^2/NDF: 1064211.3/29

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

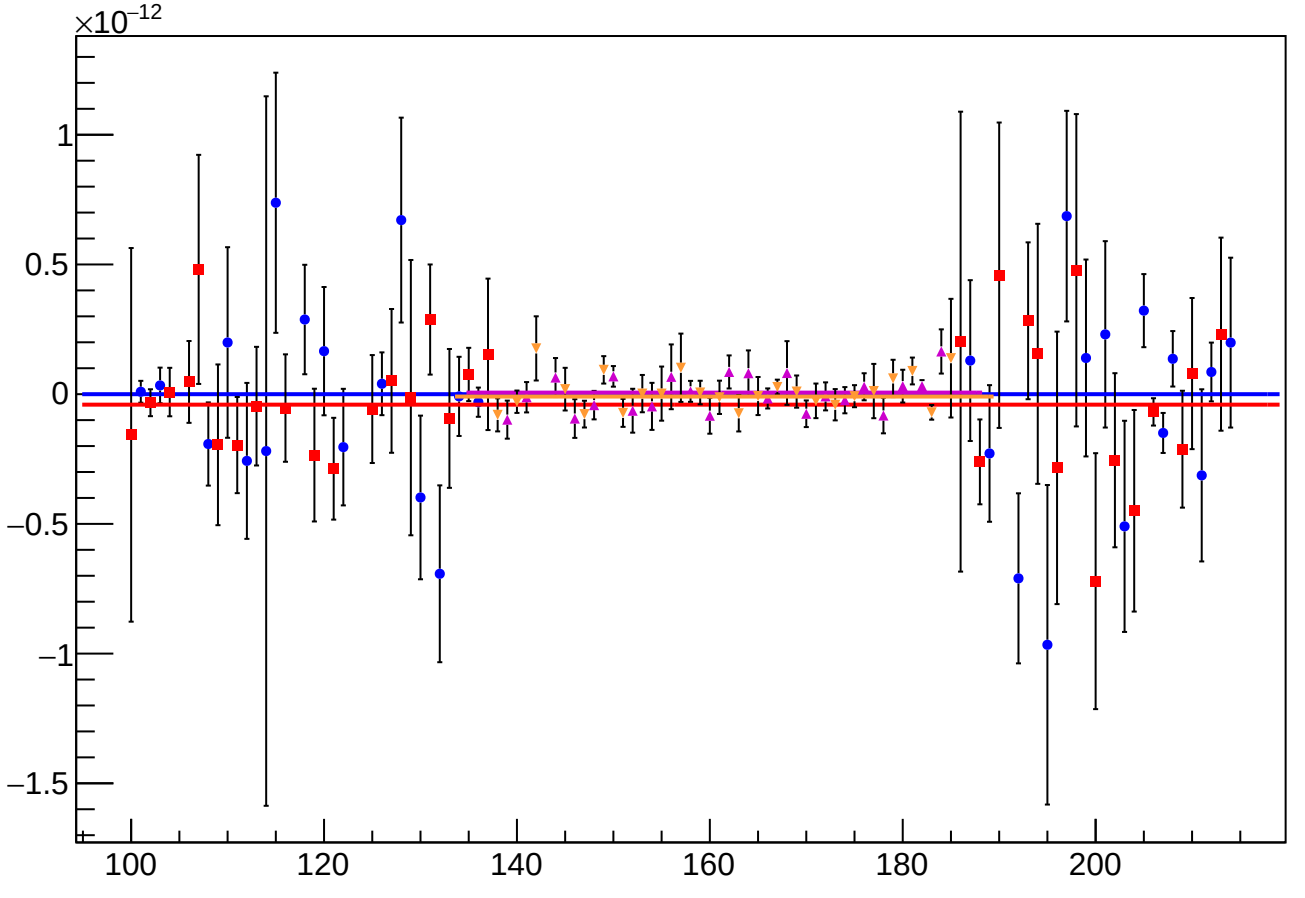
Right Out: 3172.541+/-0.530 χ^2/NDF: 997502.2/31

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3054.710+/-0.360 χ^2/NDF: 1466794.6/53

All: 3072.180+/-0.256 χ^2/NDF: 2954763.5/10

- sign 3090.051+/-0.365 χ^2/NDF: 1483215.9/54



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

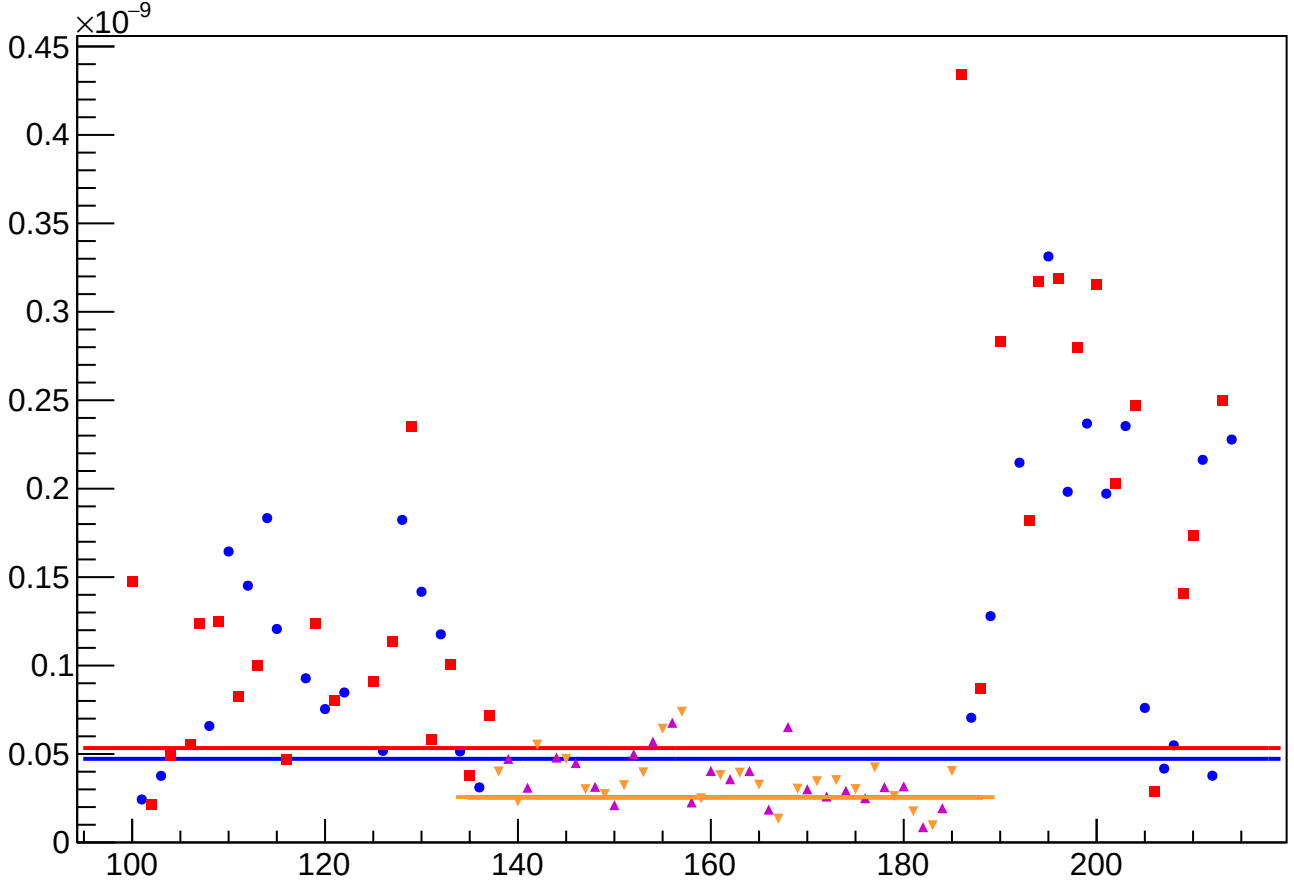
Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/31

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.9/53

All: -0.000+/-0.000 χ^2/NDF: 112.1/108

- sign -0.000+/-0.000 χ^2/NDF: 45.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 5924561.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

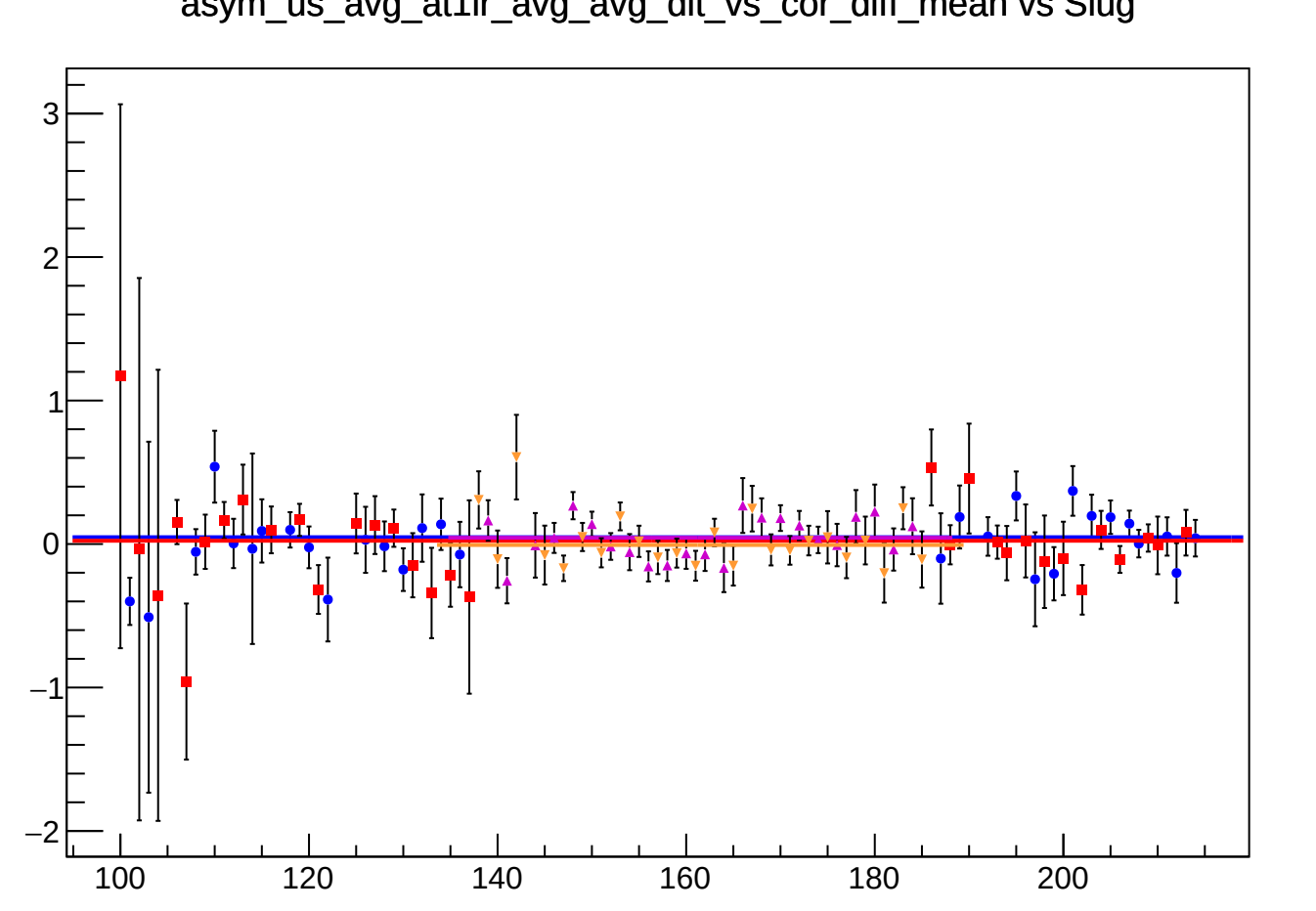
Right Out: 0.000+/-0.000 χ^2/NDF: 7349761.6/31

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9751045.2/53

All: 0.000+/-0.000 χ^2/NDF: 21673789.5/108

- sign 0.000+/-0.000 χ^2/NDF: 11922352.1/54



Right In: 0.047+/-0.030 χ^2/NDF: 32.5/29

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

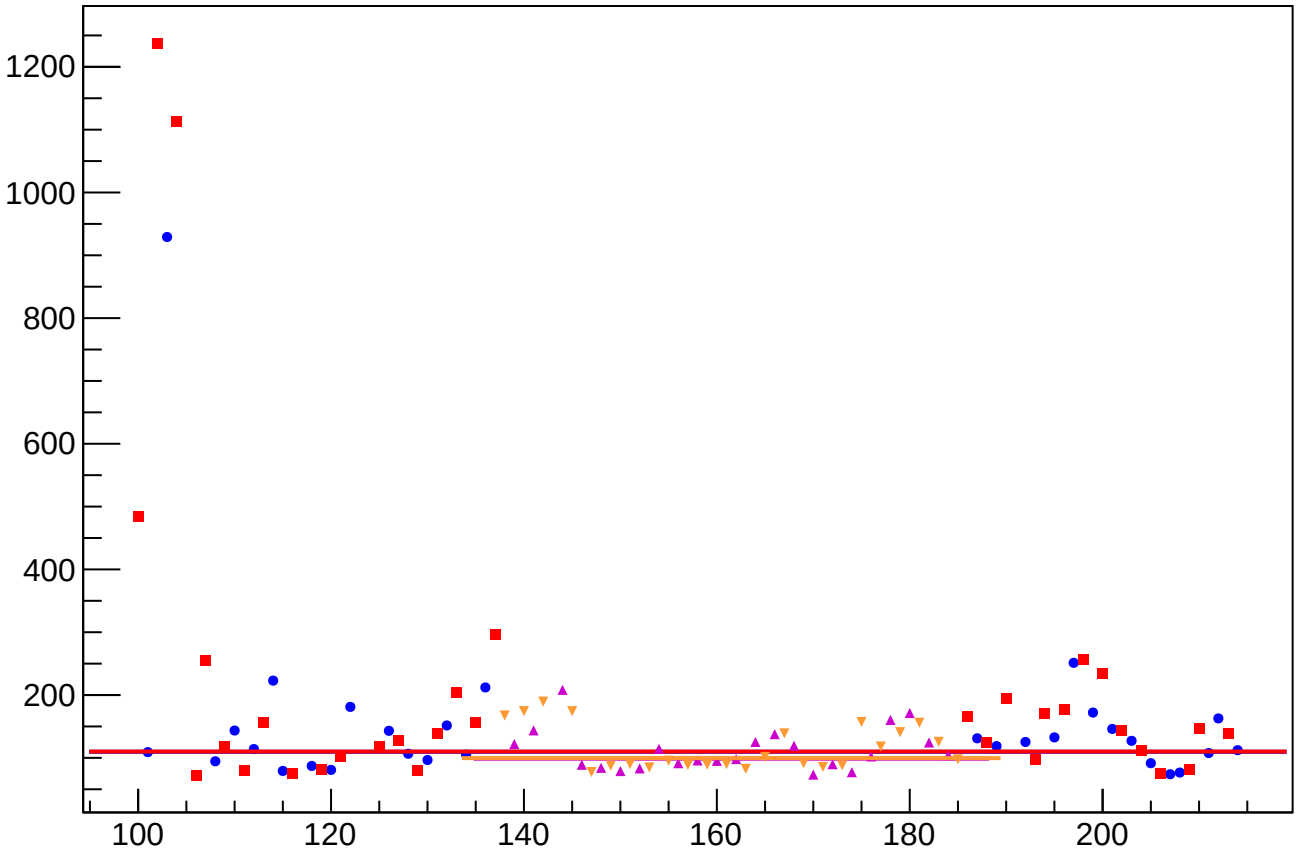
Right Out: 0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.016+/-0.019 χ^2/NDF: 62.1/53

All: 0.026+/-0.014 χ^2/NDF: 122.6/108

- sign 0.035+/-0.019 χ^2/NDF: 60.0/54



Right In: 109.674+/-0.021 χ^2/NDF: 3360506.8/29

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 110.012+/-0.022 χ^2/NDF: 4993526.7/31

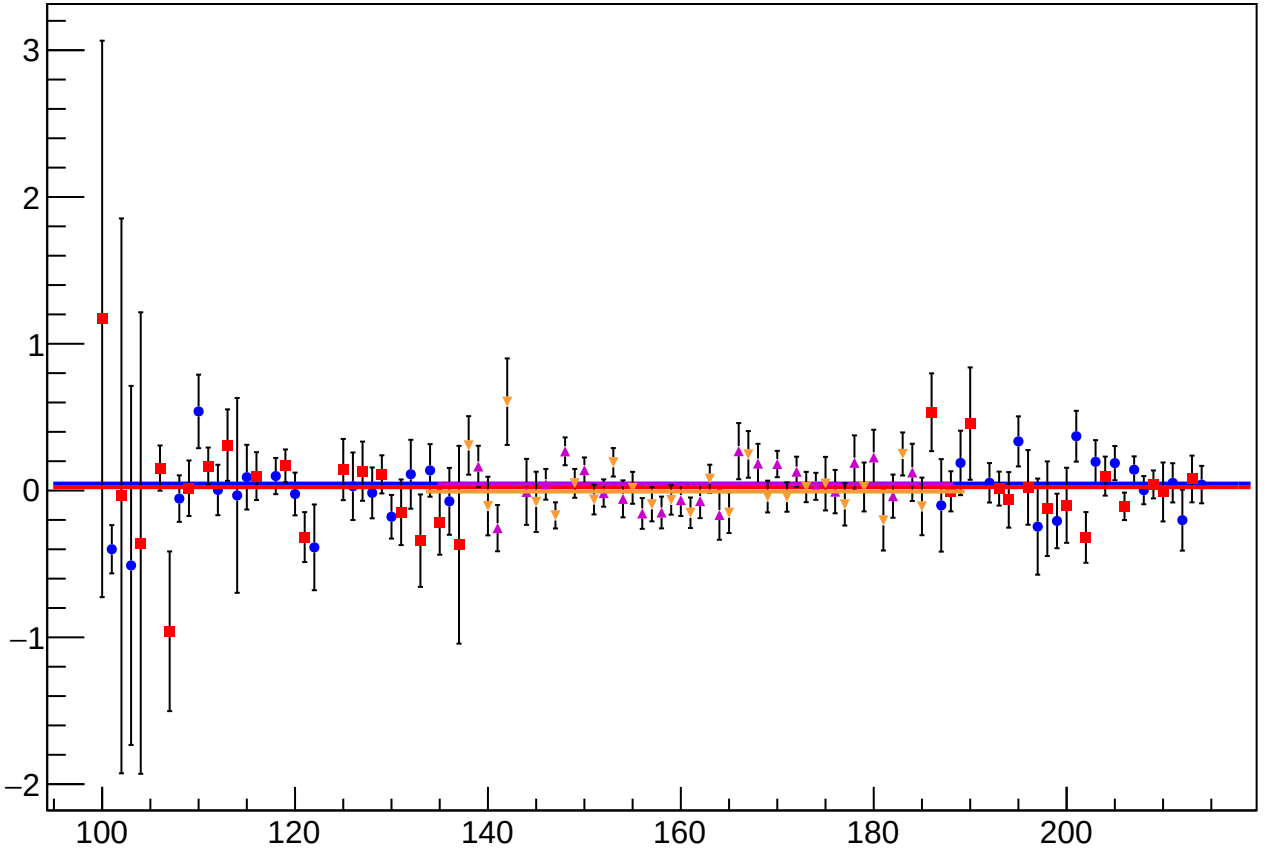
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

\+ sign 103.810+/-0.014 χ^2/NDF: 5564254.5/53

All: 103.509+/-0.010 χ^2/NDF: 12725978.9/10

\- sign 103.205+/-0.014 χ^2/NDF: 7160748.8/54

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.030 χ^2/NDF: 32.5/29

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

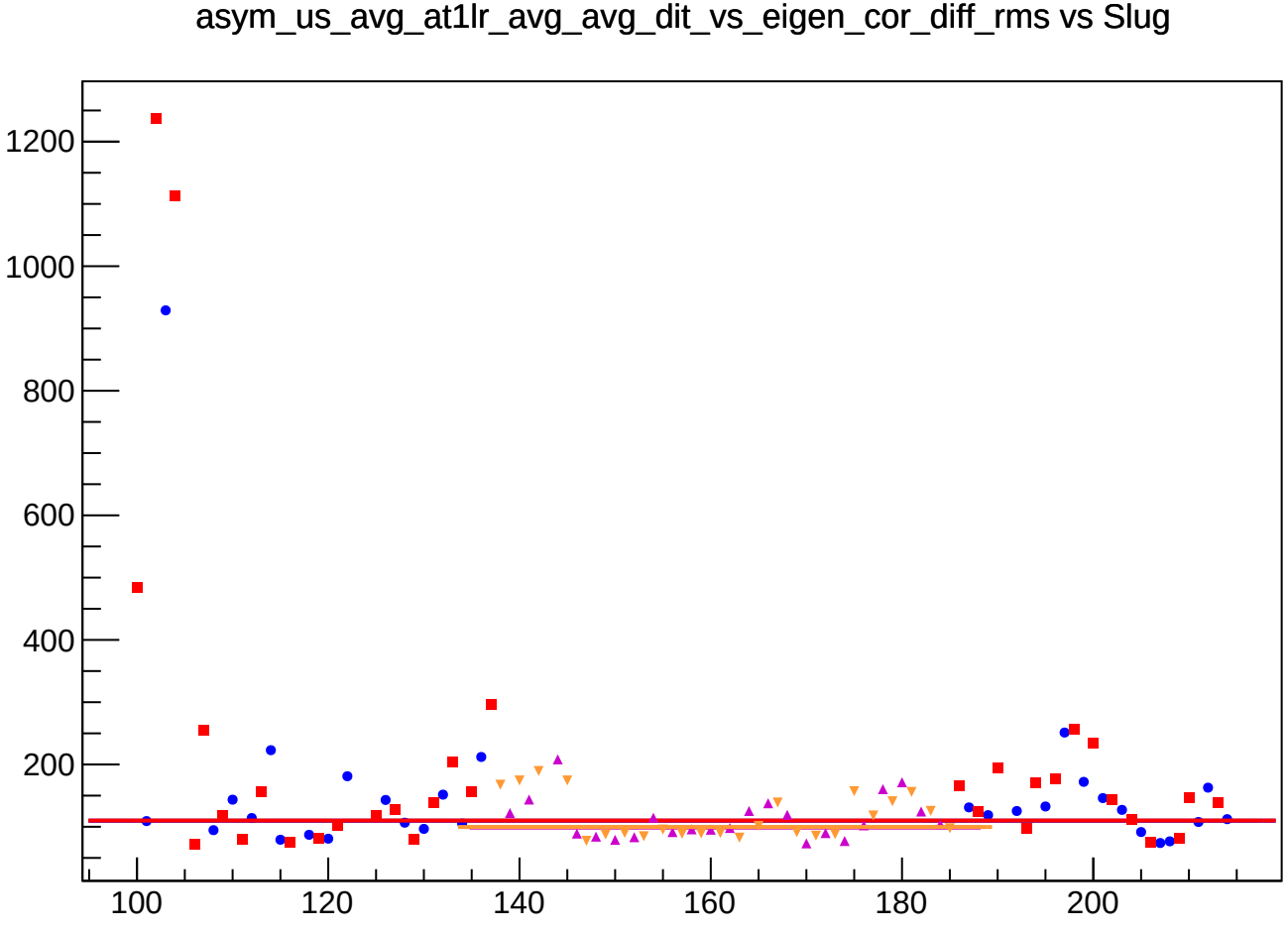
Right Out: 0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.016+/-0.019 χ^2/NDF: 62.1/53

All: 0.026+/-0.014 χ^2/NDF: 122.6/108

- sign 0.035+/-0.019 χ^2/NDF: 60.0/54



Right In: 109.674+/-0.021 χ^2/NDF: 3360506.8/29

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

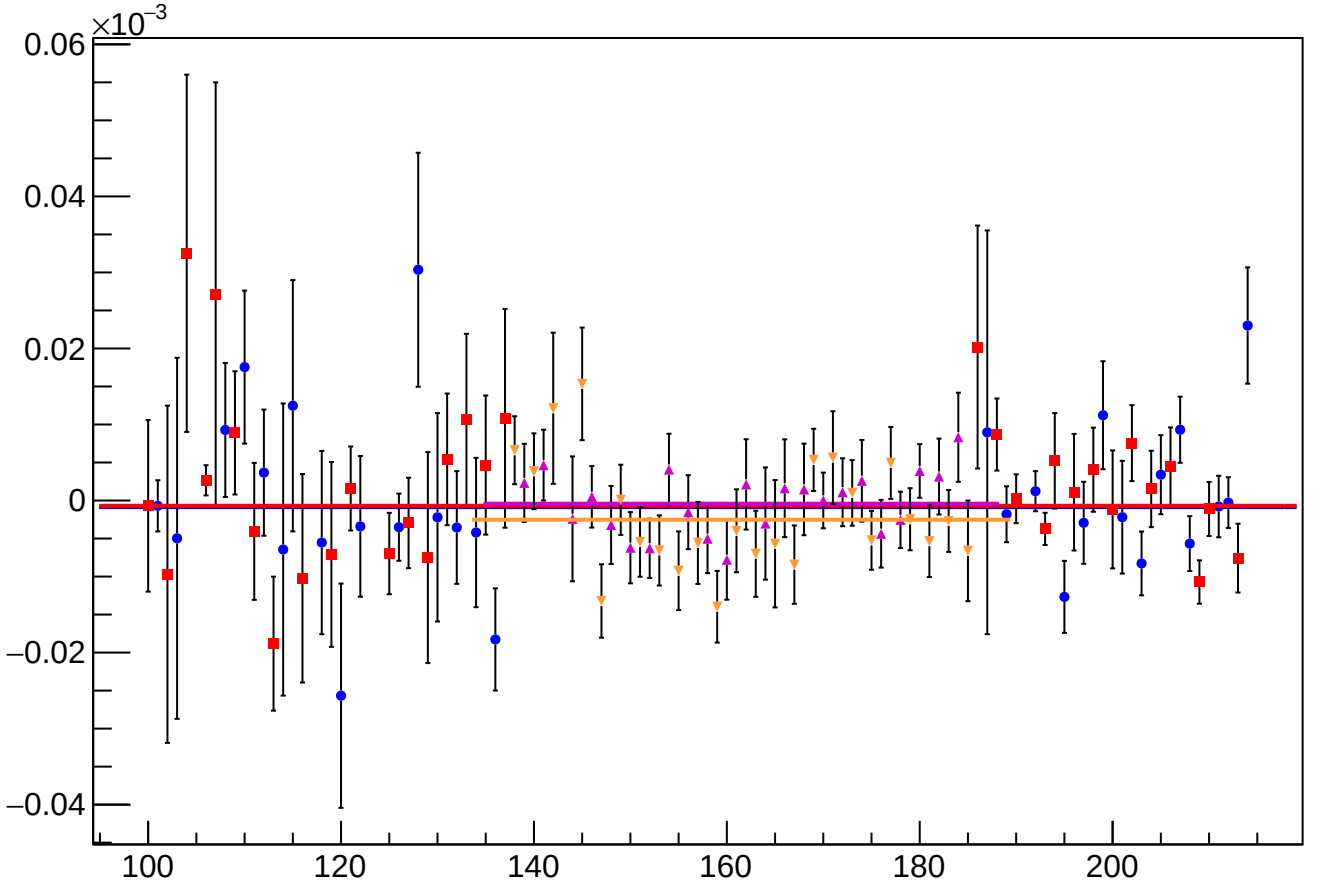
Right Out: 110.012+/-0.022 χ^2/NDF: 4993526.7/31

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

\+ sign 103.810+/-0.014 χ^2/NDF: 5564254.5/53

All: 103.509+/-0.010 χ^2/NDF: 12725978.9/10

\- sign 103.205+/-0.014 χ^2/NDF: 7160748.8/54



Right In: -0.000+/-0.000 χ^2/NDF: 51.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

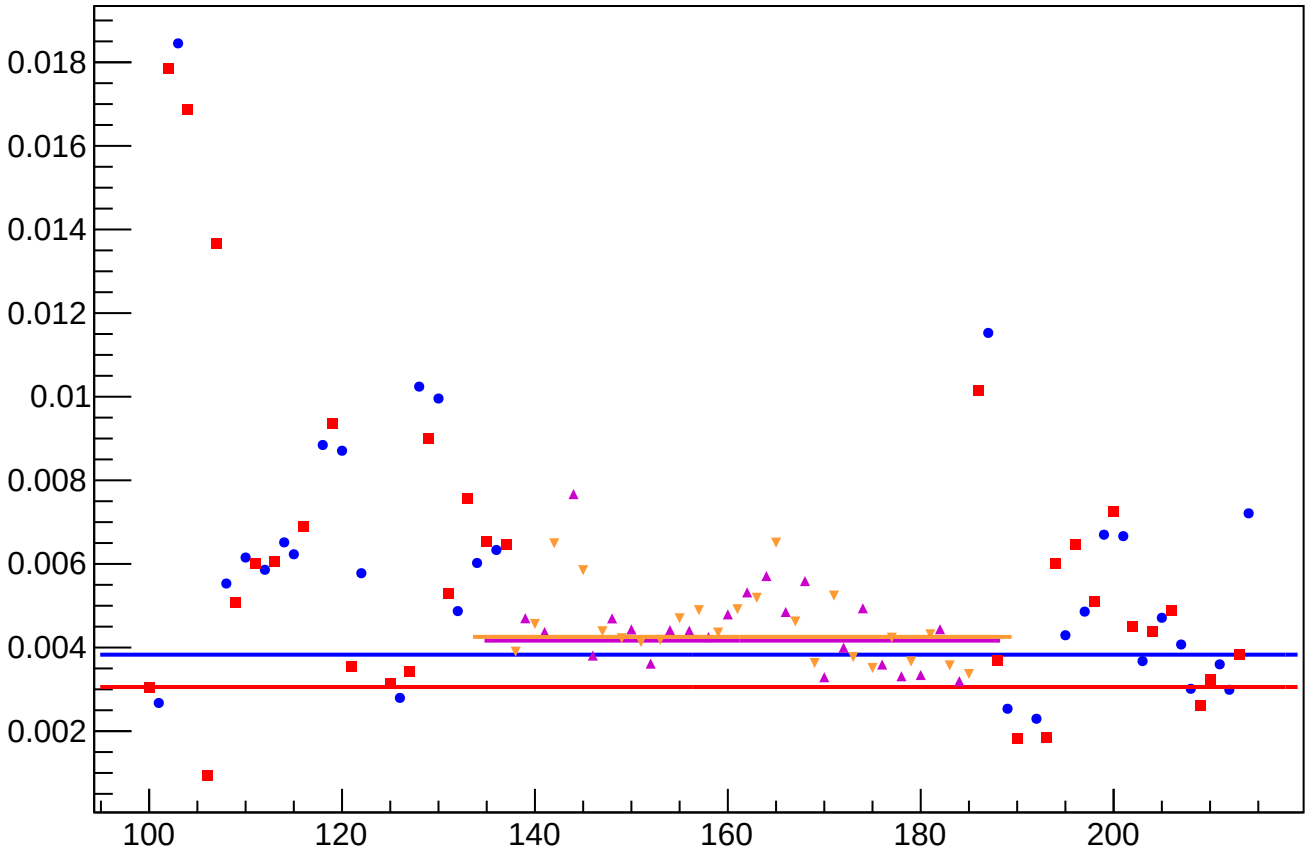
Right Out: -0.000+/-0.000 χ^2/NDF: 45.0/31

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 92.7/53

All: -0.000+/-0.000 χ^2/NDF: 155.0/108

- sign -0.000+/-0.000 χ^2/NDF: 61.0/54



Right In: 0.004+/-0.000 χ^2/NDF: 5799172.2/29

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10404246.8/31

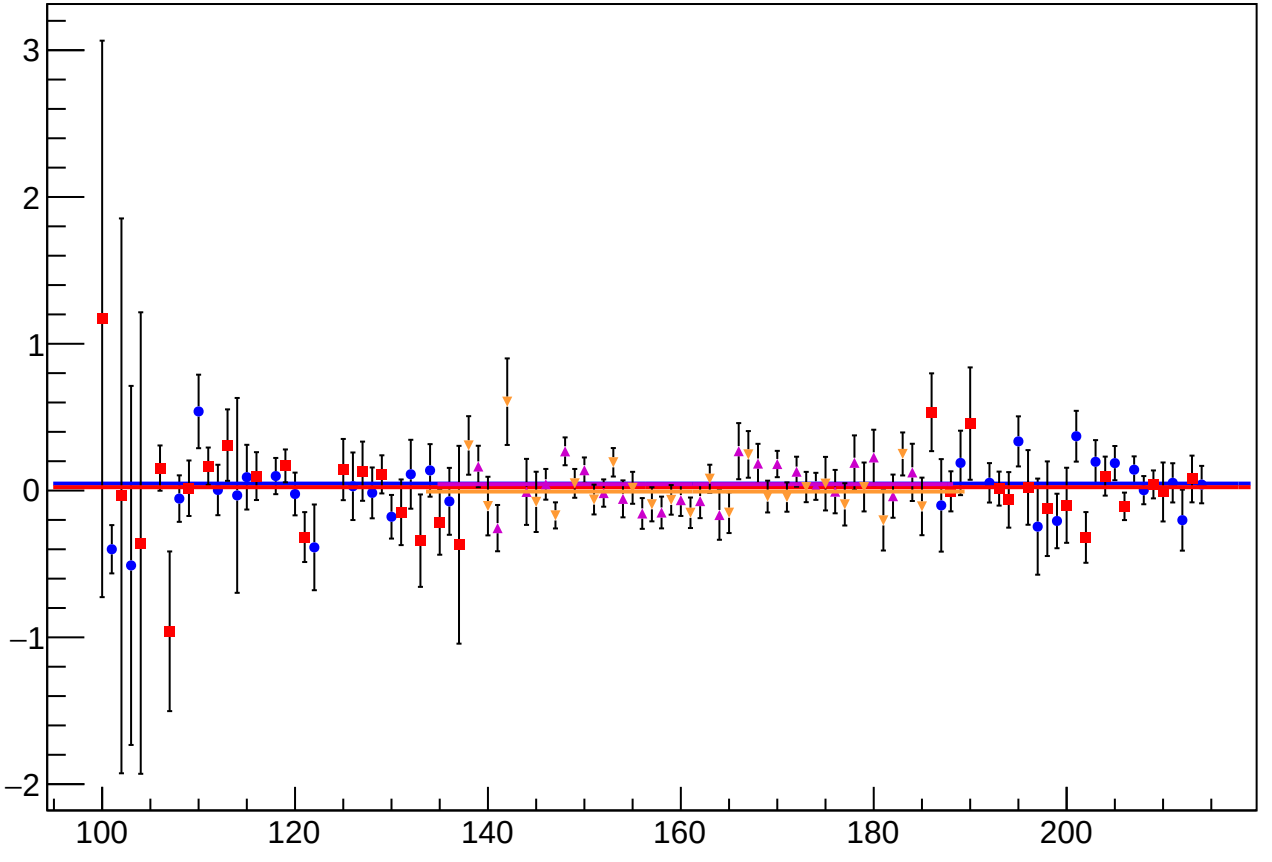
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6811377.1/53

All: 0.004+/-0.000 χ^2/NDF: 20410656.6/108

- sign 0.004+/-0.000 χ^2/NDF: 13077225.8/54

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.030 χ^2/NDF: 32.5/29

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

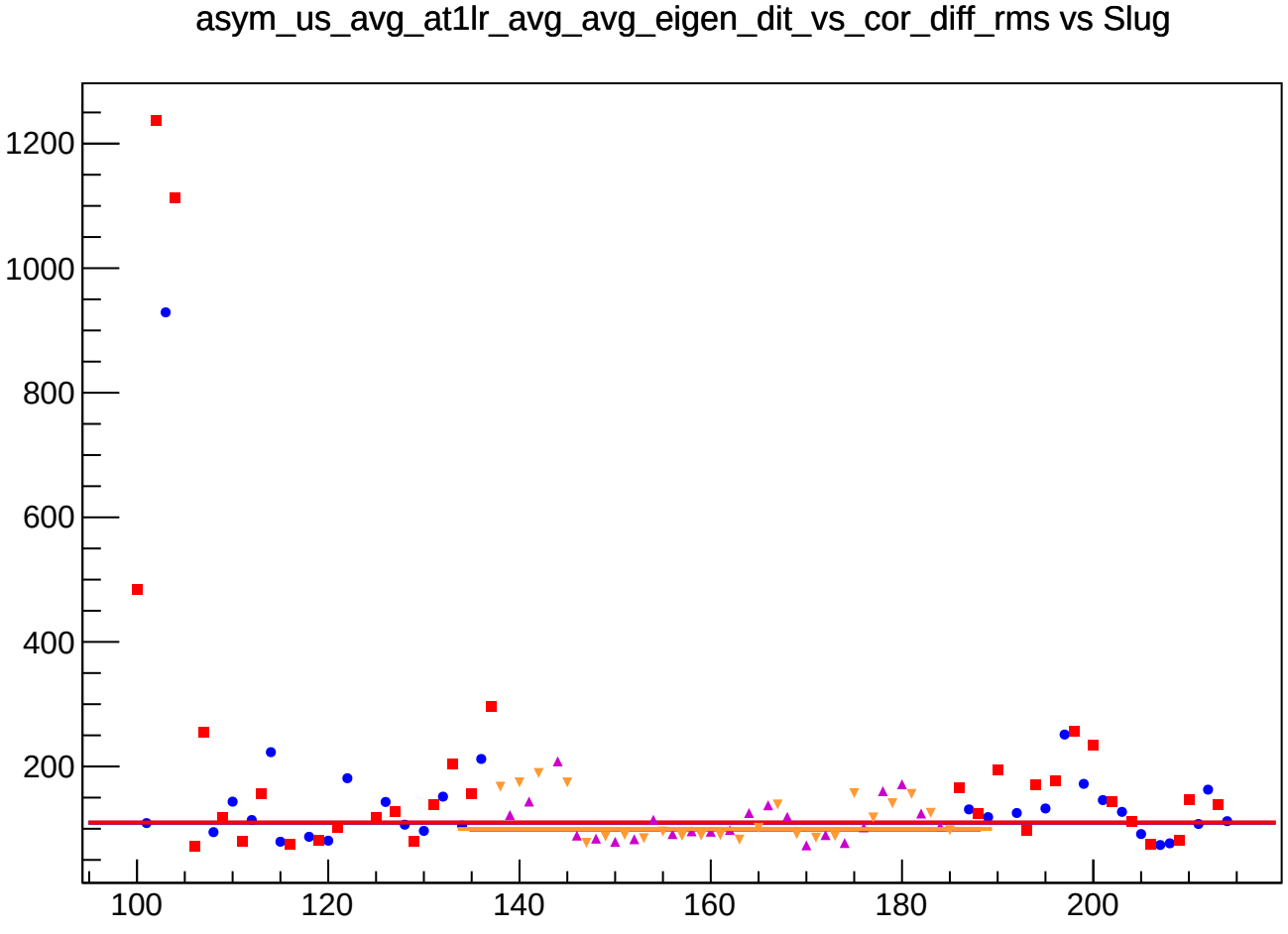
Right Out: 0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.016+/-0.019 χ^2/NDF: 62.1/53

All: 0.026+/-0.014 χ^2/NDF: 122.6/108

- sign 0.035+/-0.019 χ^2/NDF: 60.0/54



Right In: 109.674+/-0.021 χ^2/NDF: 3360432.1/29

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

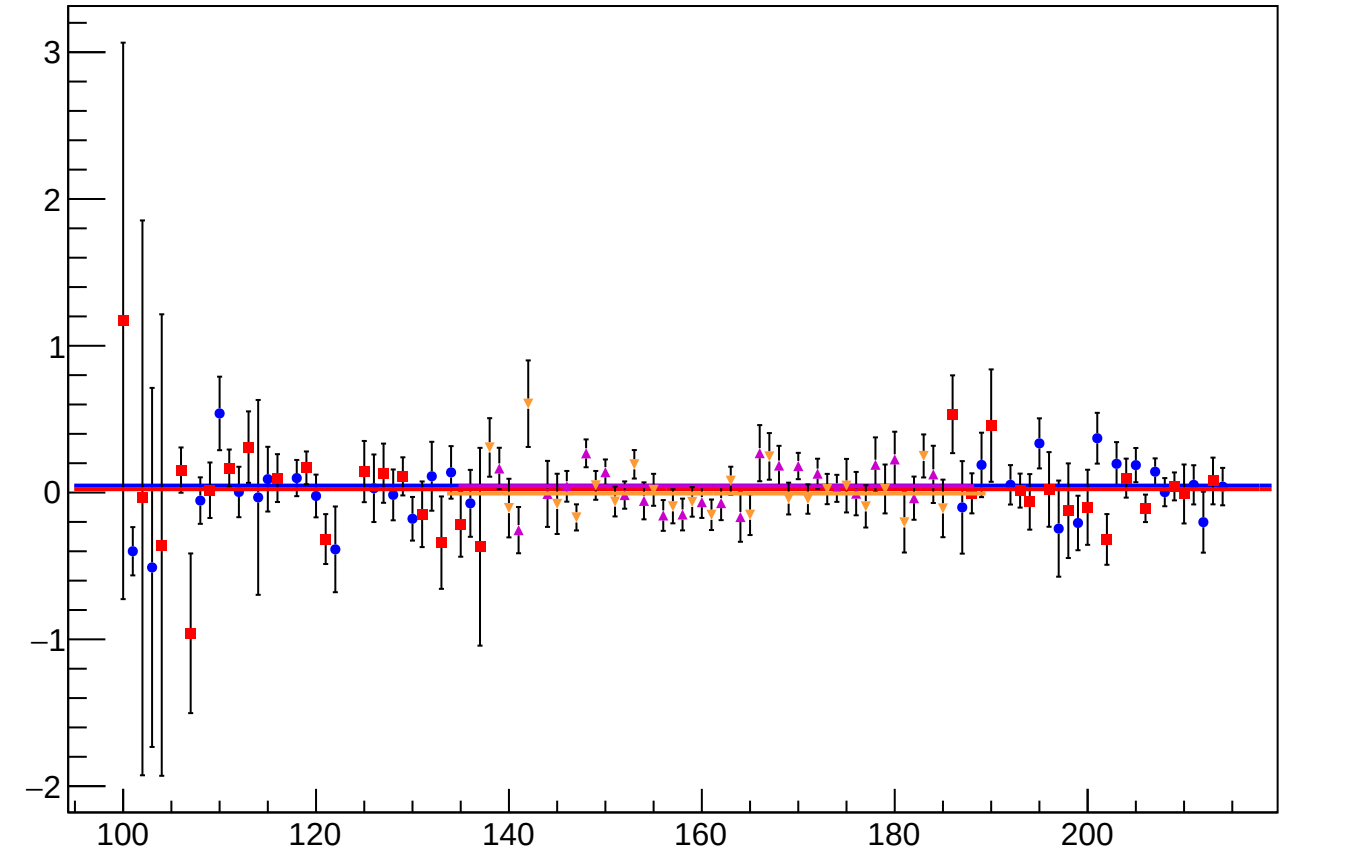
Right Out: 110.012+/-0.022 χ^2/NDF: 4993500.8/31

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

\+ sign 103.810+/-0.014 χ^2/NDF: 5564125.7/53

All: 103.510+/-0.010 χ^2/NDF: 12725773.6/10

\- sign 103.205+/-0.014 χ^2/NDF: 7160671.4/54



Right In: 0.047+/-0.030 χ^2/NDF: 32.5/29

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

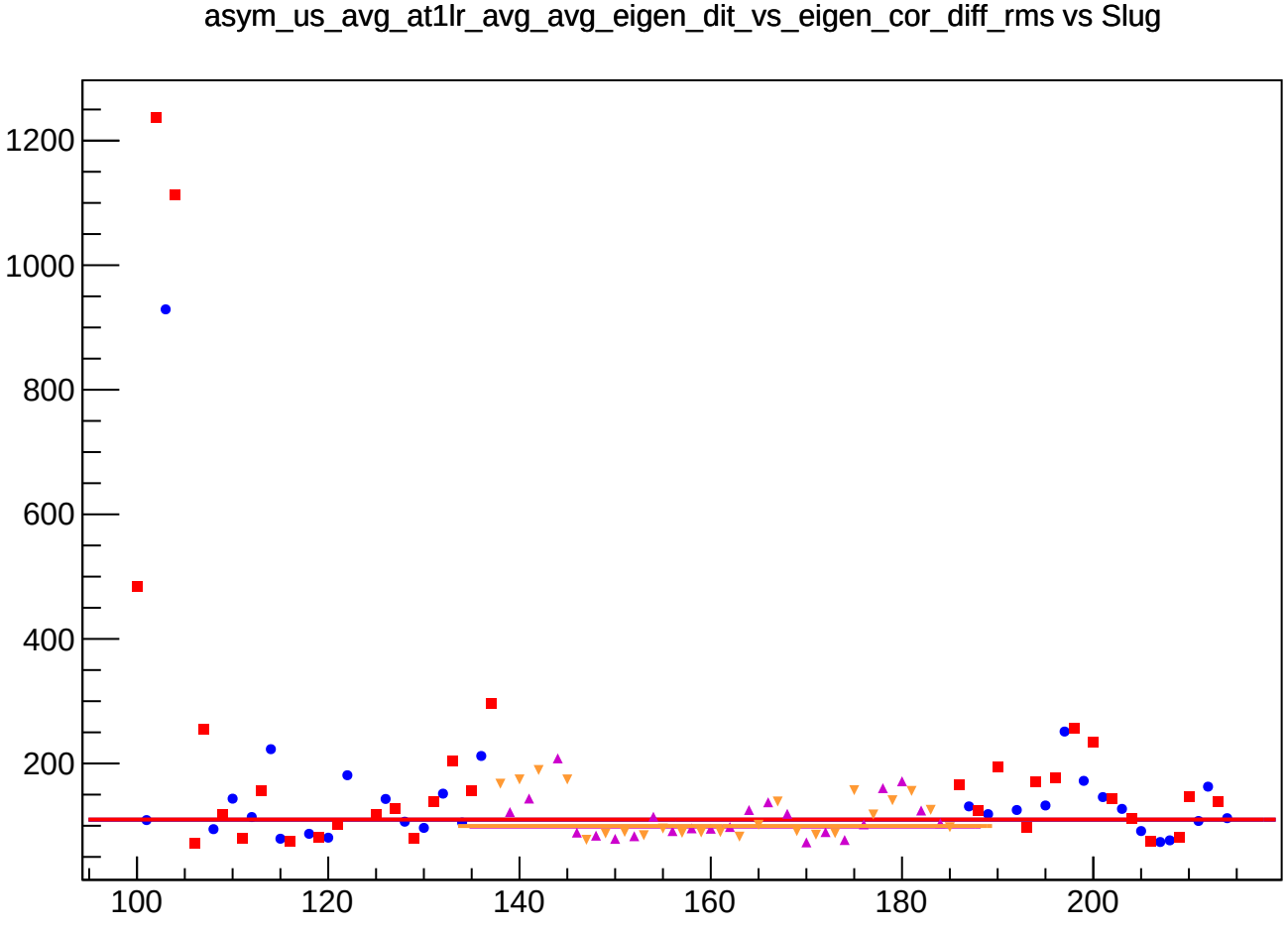
Right Out: 0.023+/-0.031 χ^2/NDF: 29.5/31

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.016+/-0.019 χ^2/NDF: 62.1/53

All: 0.026+/-0.014 χ^2/NDF: 122.6/108

- sign 0.035+/-0.019 χ^2/NDF: 60.0/54



Right In: 109.674+/-0.021 χ^2/NDF: 3360432.1/29

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

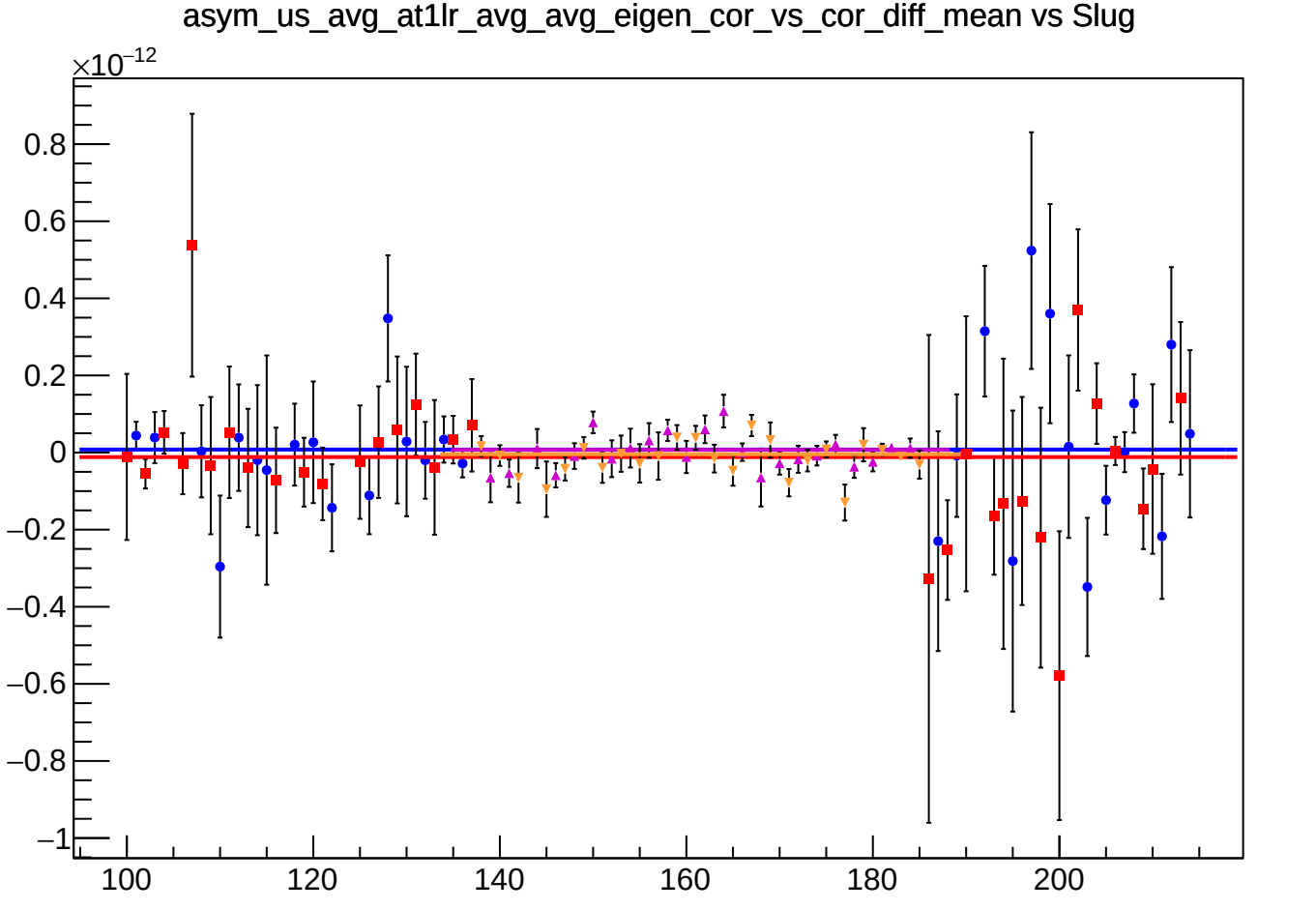
Right Out: 110.012+/-0.022 χ^2/NDF: 4993500.8/31

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 103.810+/-0.014 χ^2/NDF: 5564125.7/53

All: 103.510+/-0.010 χ^2/NDF: 12725773.6/10

- sign 103.205+/-0.014 χ^2/NDF: 7160671.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 34.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

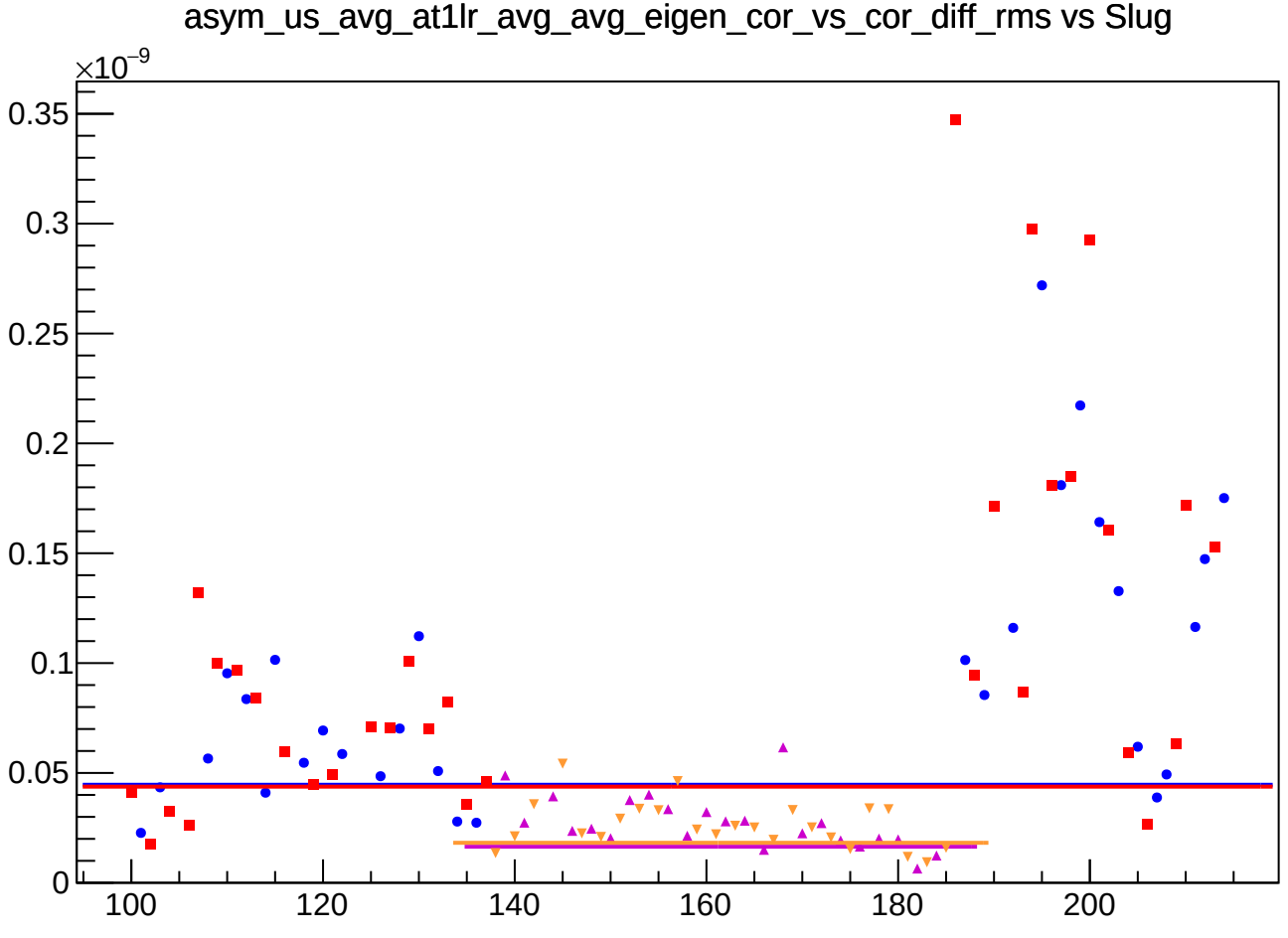
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/31

Left In: 0.000+/-0.000 χ^2/NDF:35.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.7/53

All: 0.000+/-0.000 χ^2/NDF: 129.1/108

- sign 0.000+/-0.000 χ^2/NDF: 60.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 7287752.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8634725.9/31

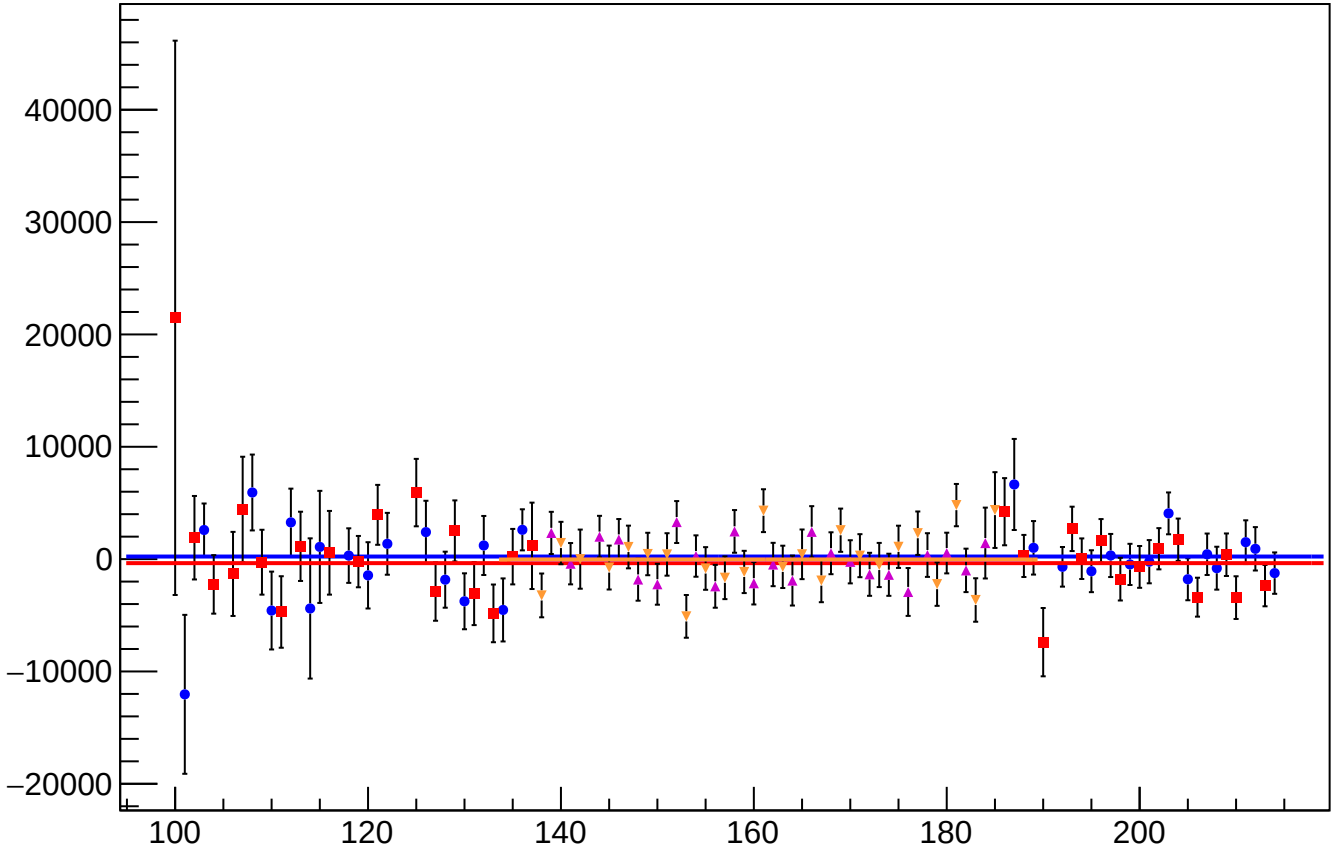
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 16119862.3/53

All: 0.000+/-0.000 χ^2/NDF: 36435954.1/108

- sign 0.000+/-0.000 χ^2/NDF: 20139853.8/54

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 230.038+/-421.079 χ^2/NDF: 29.9/29

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -357.779+/-421.197 χ^2/NDF: 38.8/31

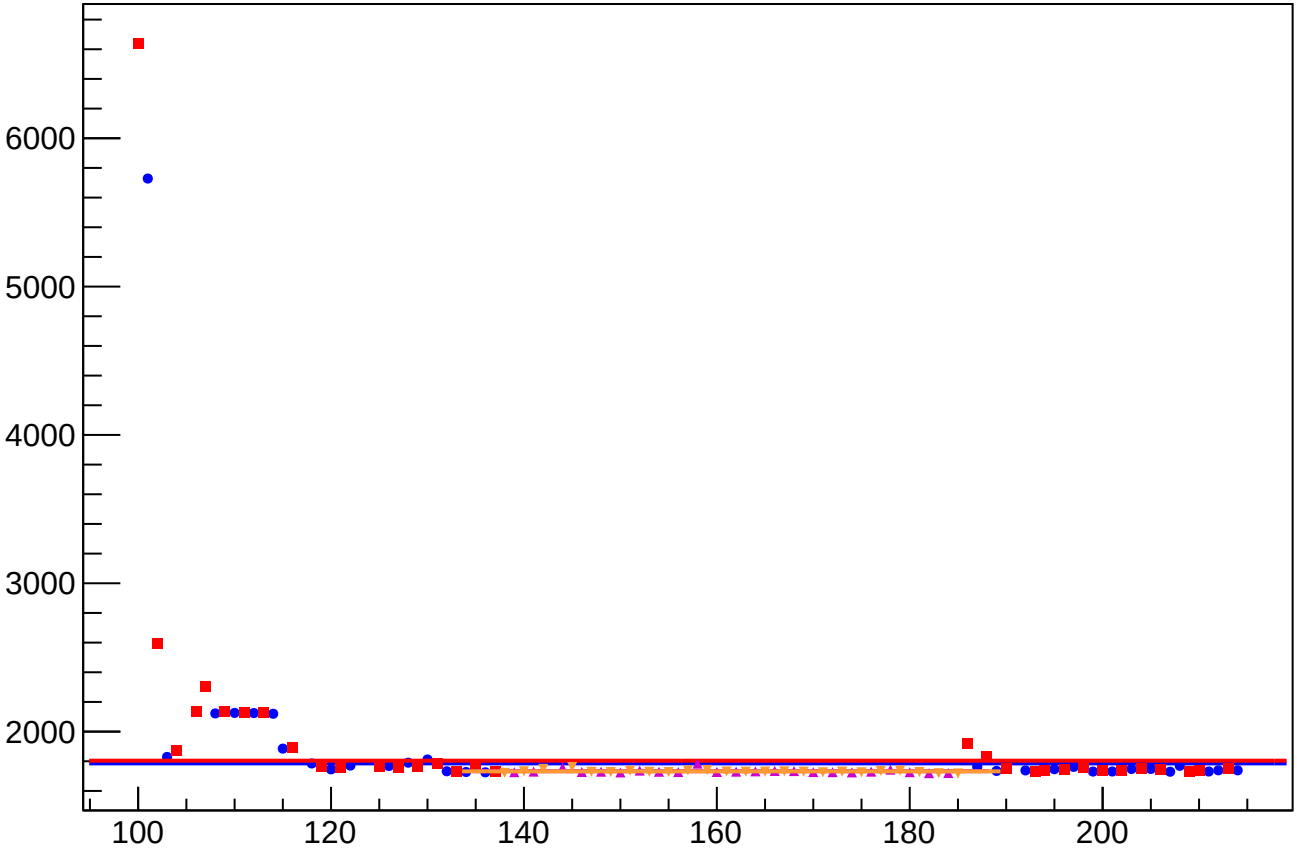
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 91.474+/-290.757 χ^2/NDF: 65.5/53

All: -53.329+/-205.973 χ^2/NDF: 124.5/108

- sign -199.199+/-291.825 χ^2/NDF: 58.5/54

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1785.746+/-0.298 χ^2/NDF: 712438.4/29

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

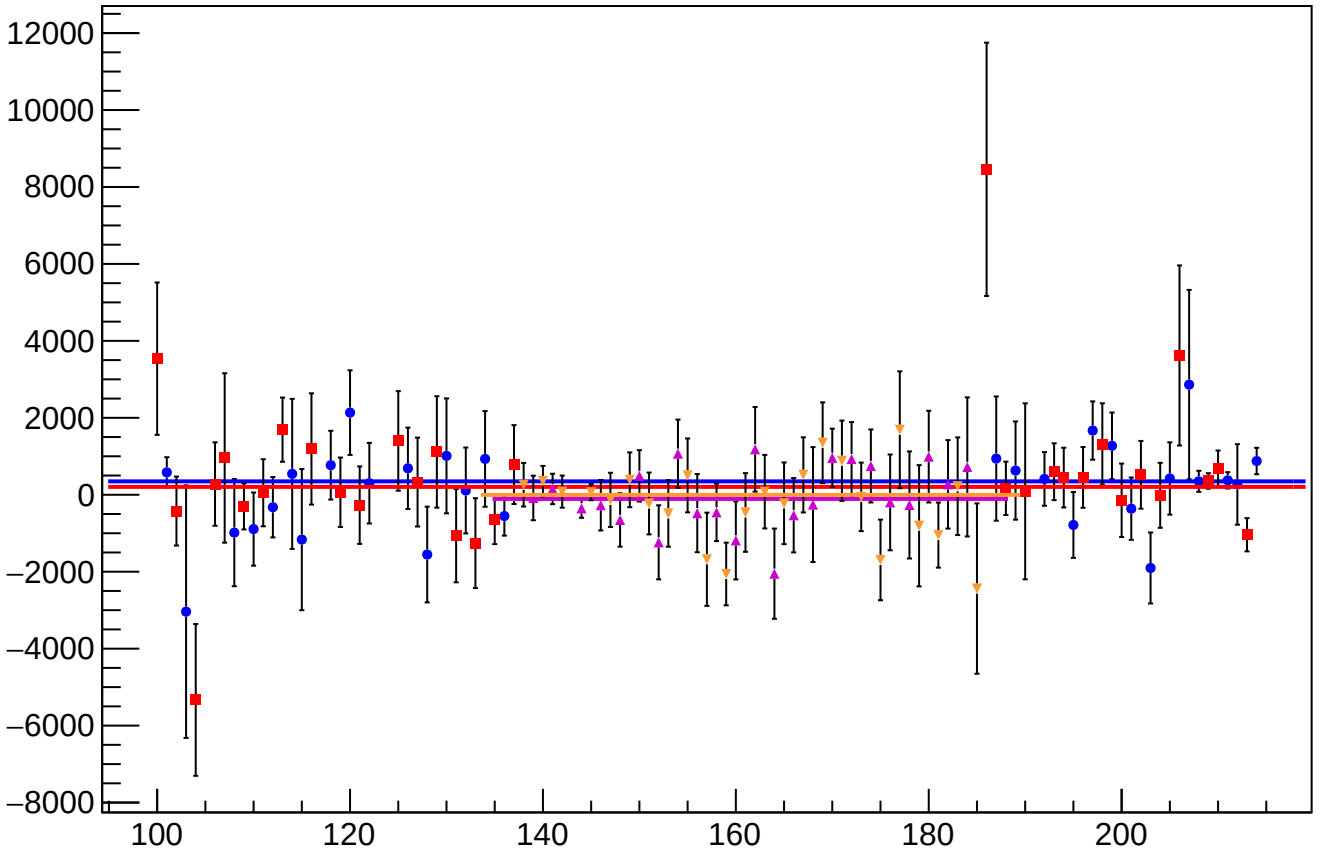
Right Out: 1804.000+/-0.298 χ^2/NDF: 312752.2/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1757.618+/-0.206 χ^2/NDF: 730432.9/53

All: 1762.415+/-0.146 χ^2/NDF: 1075795.7/10

- sign 1767.247+/-0.206 χ^2/NDF: 344270.1/54



Right In: 348.294+/-113.904 χ^2/NDF: 30.6/29

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

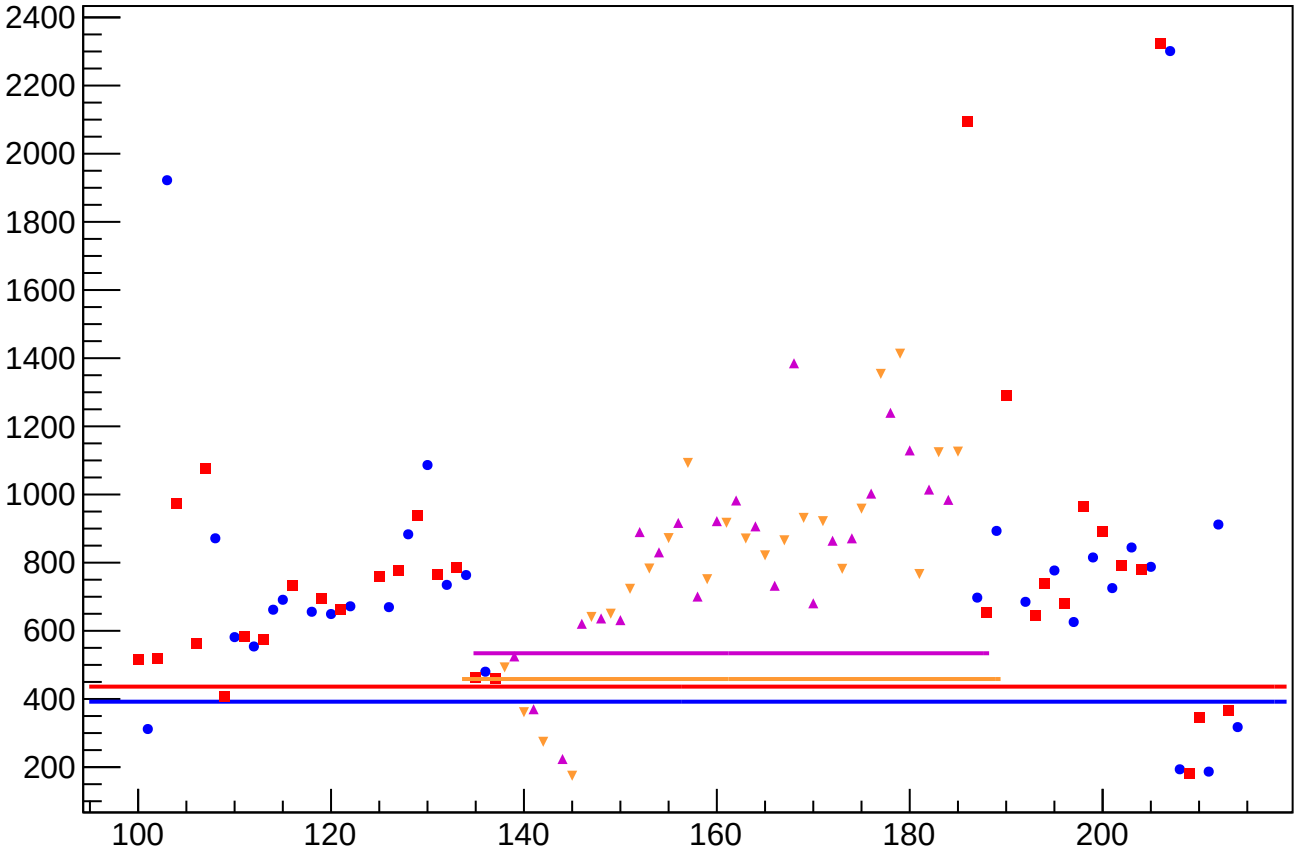
Right Out: 204.970+/-124.359 χ^2/NDF: 42.2/31

Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 196.056+/-85.686 χ^2/NDF: 55.0/53

All: 138.969+/-63.302 χ^2/NDF: 118.0/108

- sign 70.372+/-93.927 χ^2/NDF: 62.0/54



Right In: 392.042+/-0.081 χ^2/NDF: 10440256.2/29

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 436.264+/-0.088 χ^2/NDF: 9545905.2/31

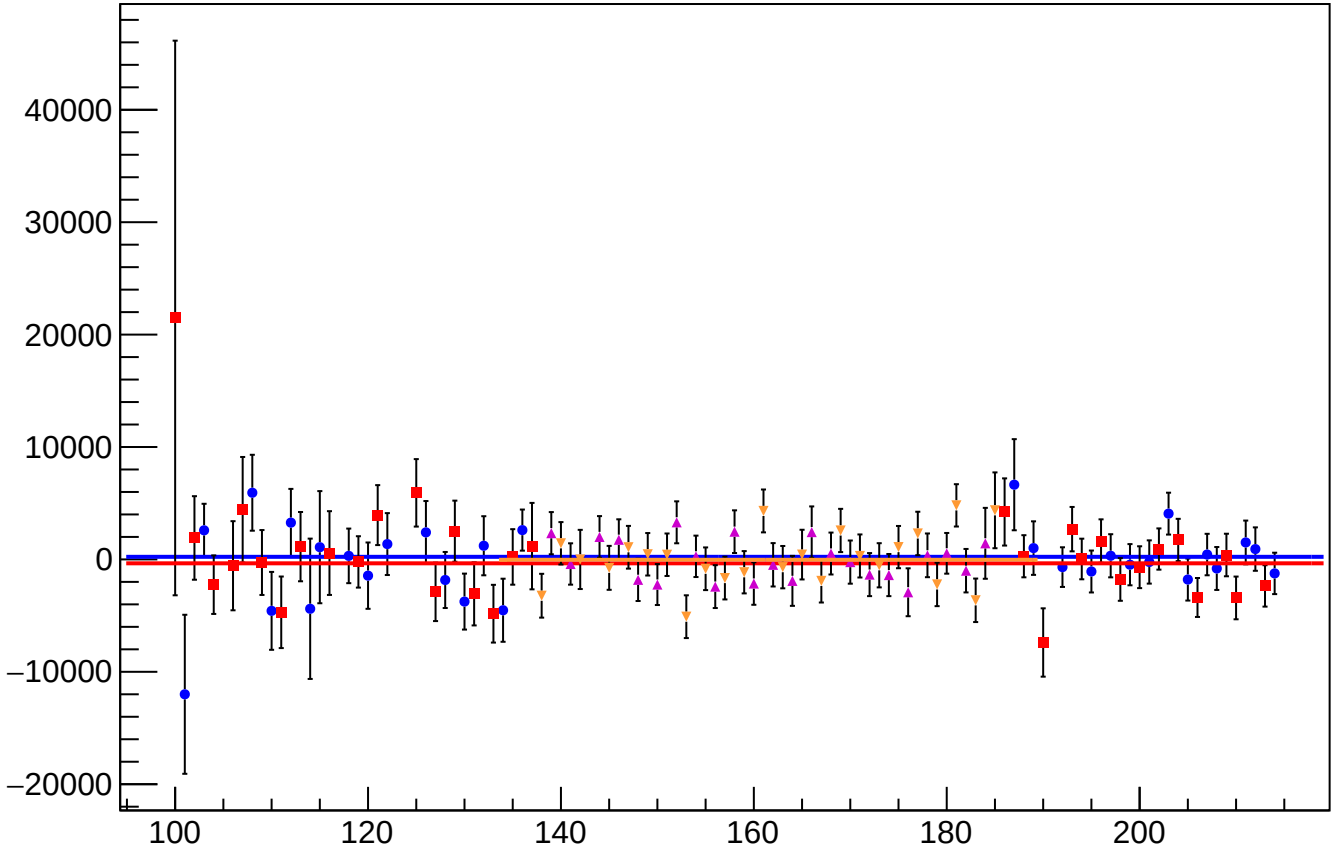
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

\+ sign 420.925+/-0.061 χ^2/NDF: 22163248.2/53

All: 446.992+/-0.045 χ^2/NDF: 41092312.0/10

\- sign 478.314+/-0.066 χ^2/NDF: 18521563.0/54

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 230.063+/-421.079 χ^2/NDF: 29.9/29

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -347.819+/-421.488 χ^2/NDF: 38.7/31

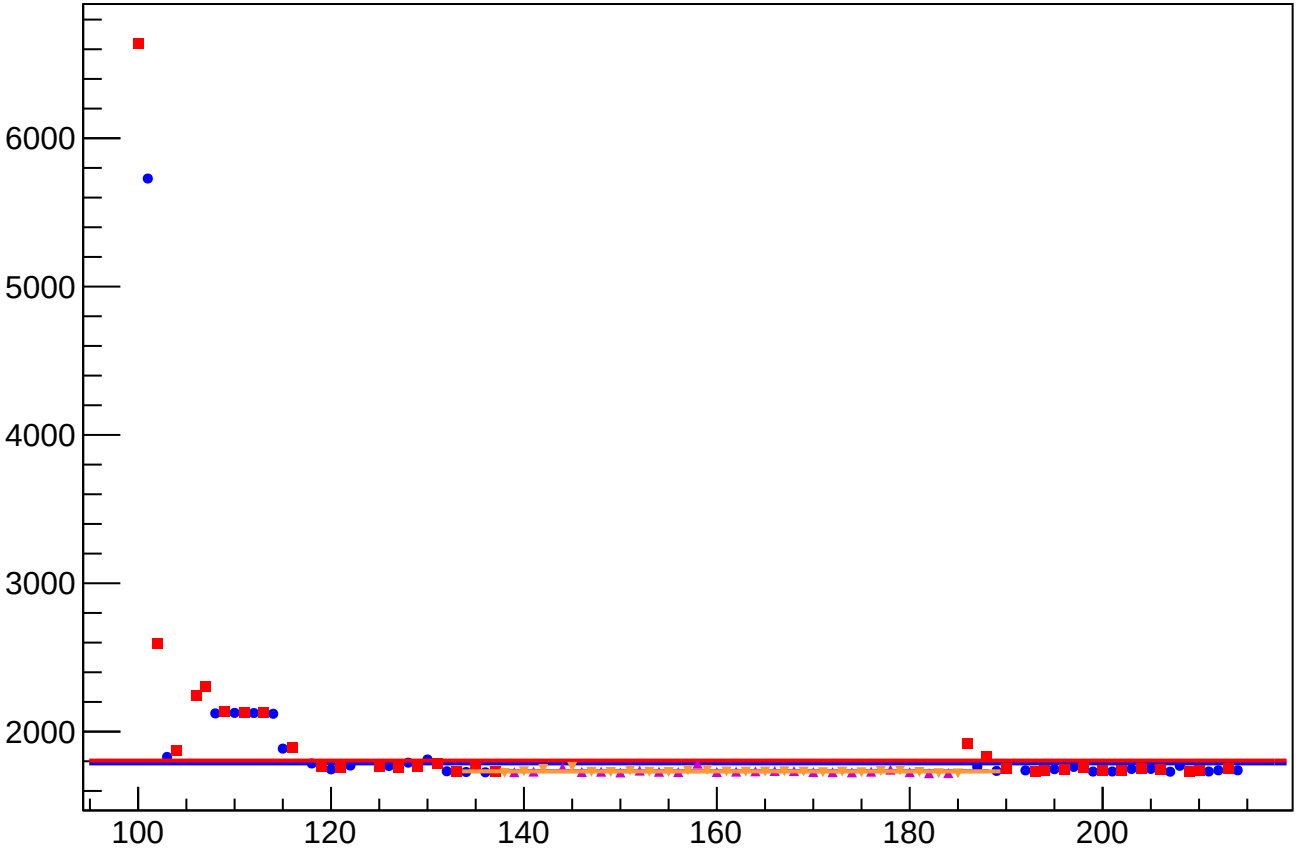
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 91.516+/-290.757 χ^2/NDF: 65.5/53

All: -50.807+/-206.007 χ^2/NDF: 124.4/108

\- sign -194.274+/-291.922 χ^2/NDF: 58.4/54

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1785.746+/-0.298 χ^2/NDF: 712438.3/29

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

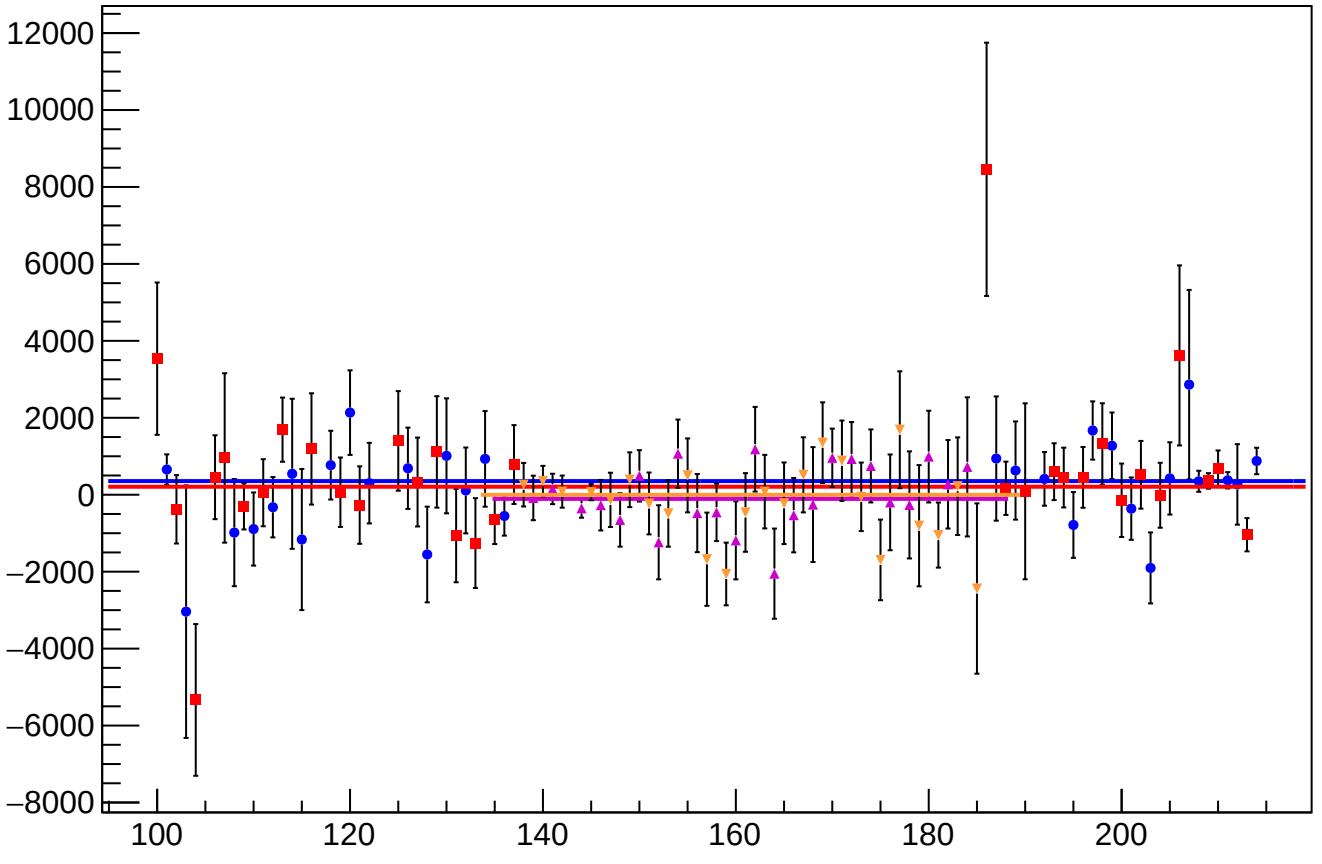
Right Out: 1804.729+/-0.298 χ^2/NDF: 321324.6/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1757.618+/-0.206 χ^2/NDF: 730432.8/53

All: 1762.575+/-0.146 χ^2/NDF: 1085027.9/10

- sign 1767.572+/-0.206 χ^2/NDF: 353428.0/54



Right In: 354.566+/-113.889 χ^2/NDF: 30.9/29

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 208.029+/-124.347 χ^2/NDF: 42.2/31

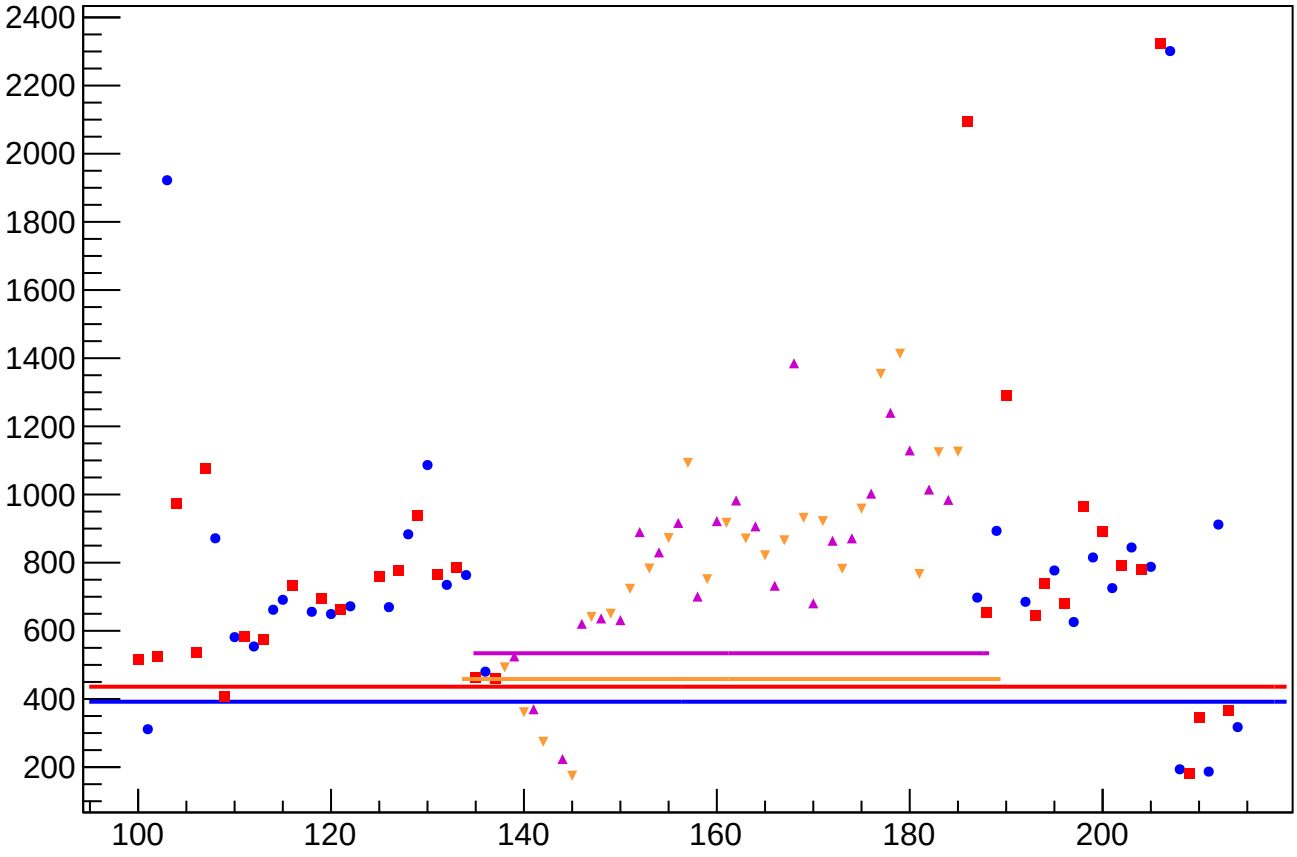
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 199.578+/-85.680 χ^2/NDF: 55.4/53

All: 141.697+/-63.299 χ^2/NDF: 118.5/108

- sign 72.144+/-93.922 χ^2/NDF: 62.0/54

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 391.961+/-0.081 χ^2/NDF: 10442470.4/29

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF: 9539306.9/31

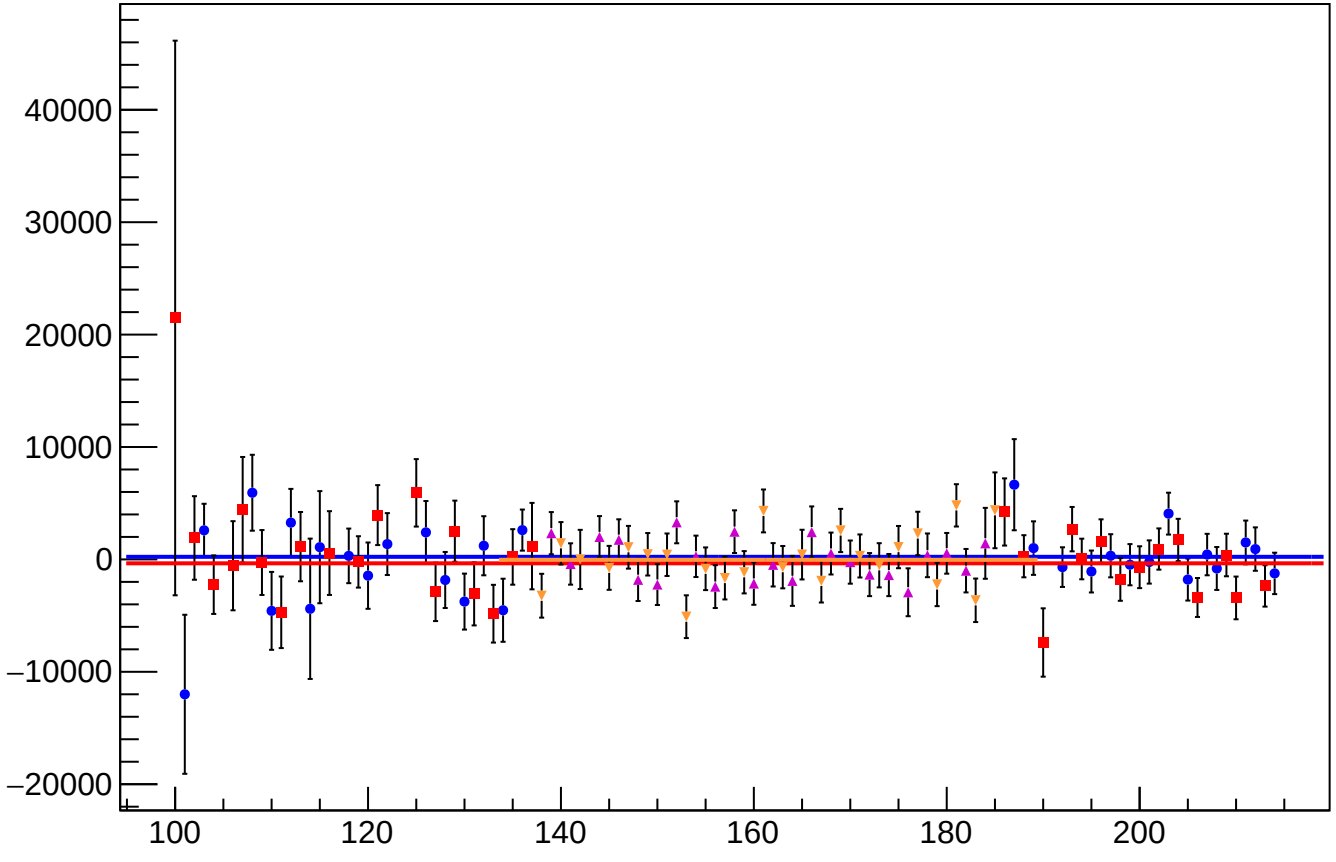
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 420.879+/-0.061 χ^2/NDF: 22165883.9/53

All: 446.905+/-0.045 χ^2/NDF: 41089332.3/10

- sign 478.179+/-0.066 χ^2/NDF: 18517168.2/54

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 230.063+/-421.079 χ^2/NDF: 29.9/29

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -347.819+/-421.488 χ^2/NDF: 38.7/31

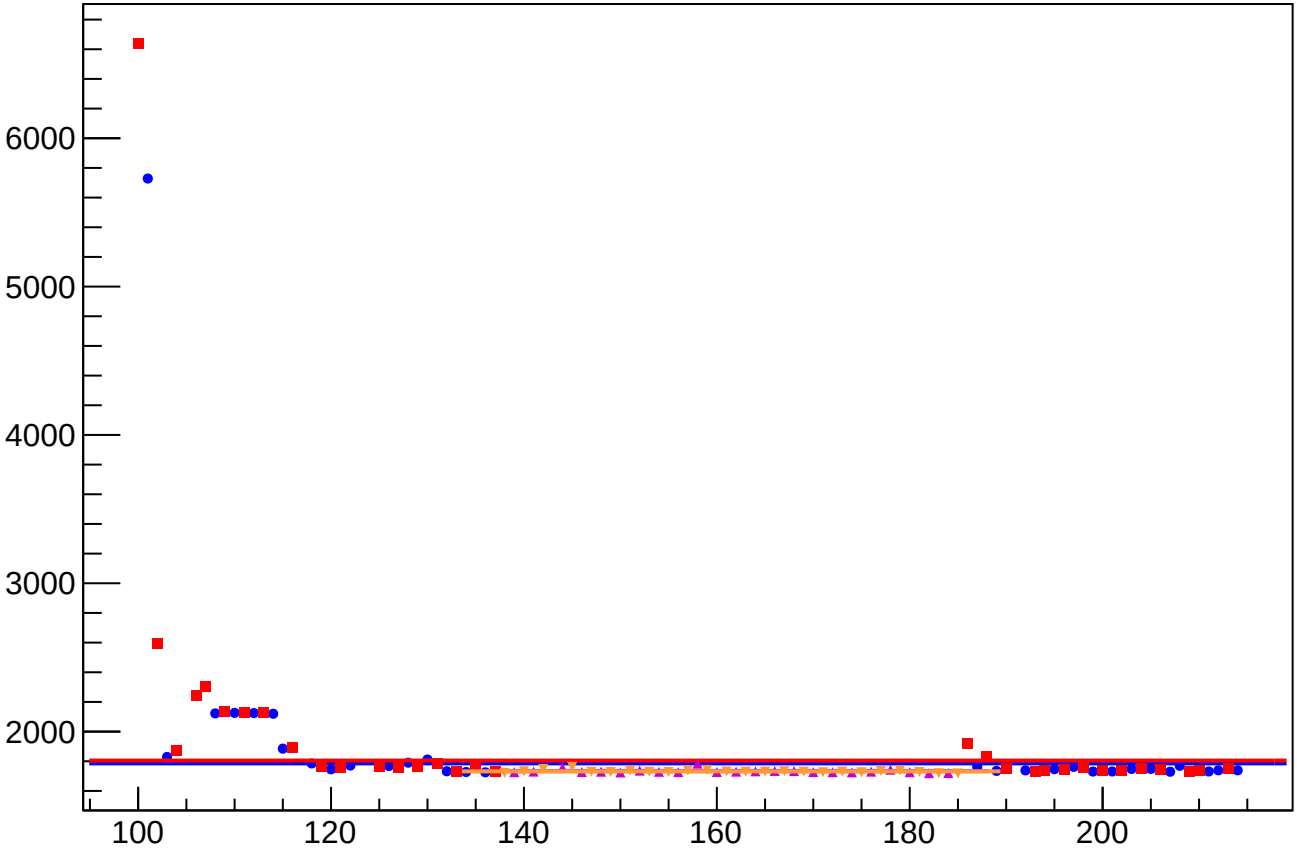
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 91.516+/-290.757 χ^2/NDF: 65.5/53

All: -50.807+/-206.007 χ^2/NDF: 124.4/108

- sign -194.274+/-291.922 χ^2/NDF: 58.4/54

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1785.746+/-0.298 χ^2/NDF: 712438.3/29

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

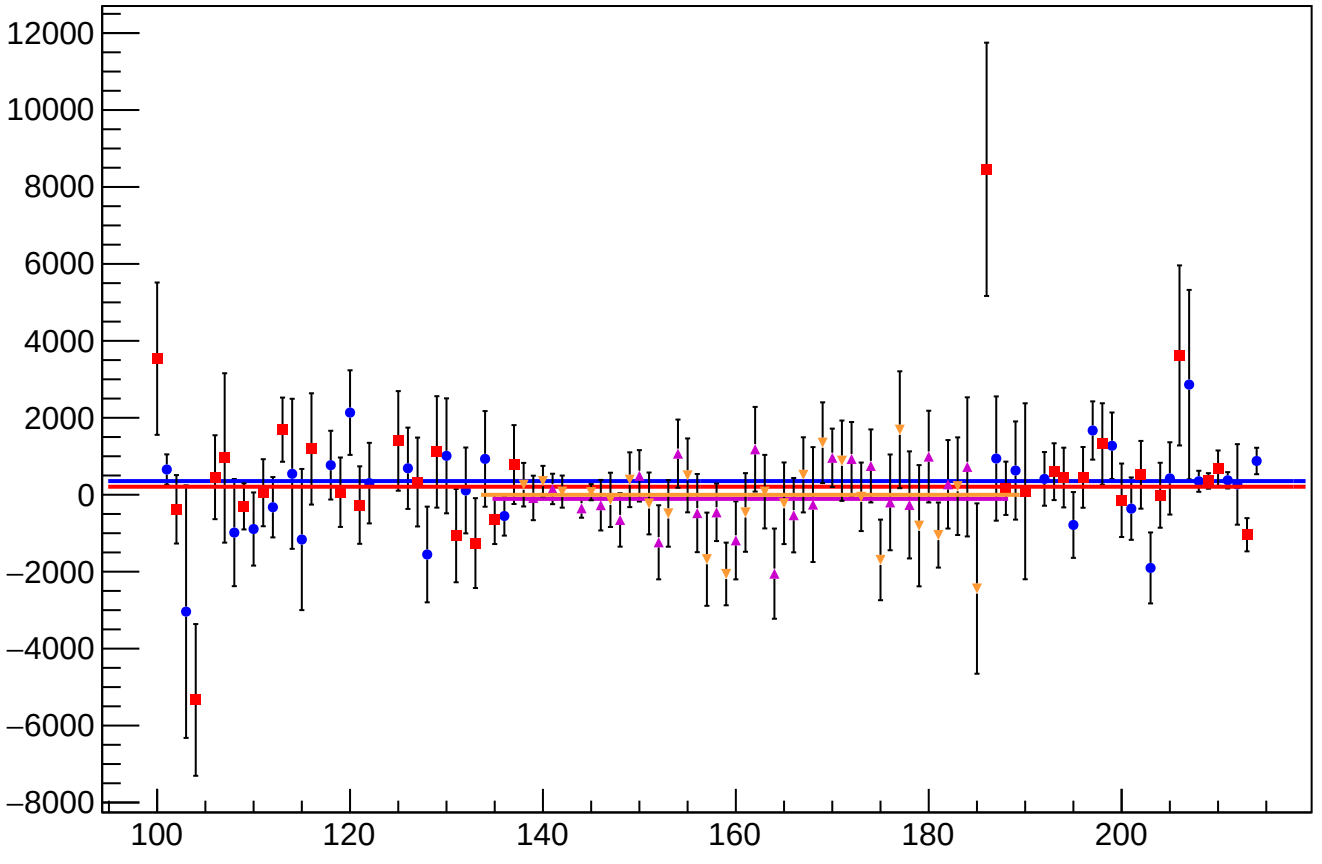
Right Out: 1804.729+/-0.298 χ^2/NDF: 321324.6/31

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1757.618+/-0.206 χ^2/NDF: 730432.8/53

All: 1762.575+/-0.146 χ^2/NDF: 1085027.9/10

- sign 1767.572+/-0.206 χ^2/NDF: 353428.0/54



Right In: 354.566+/-113.889 χ^2/NDF: 30.9/29

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

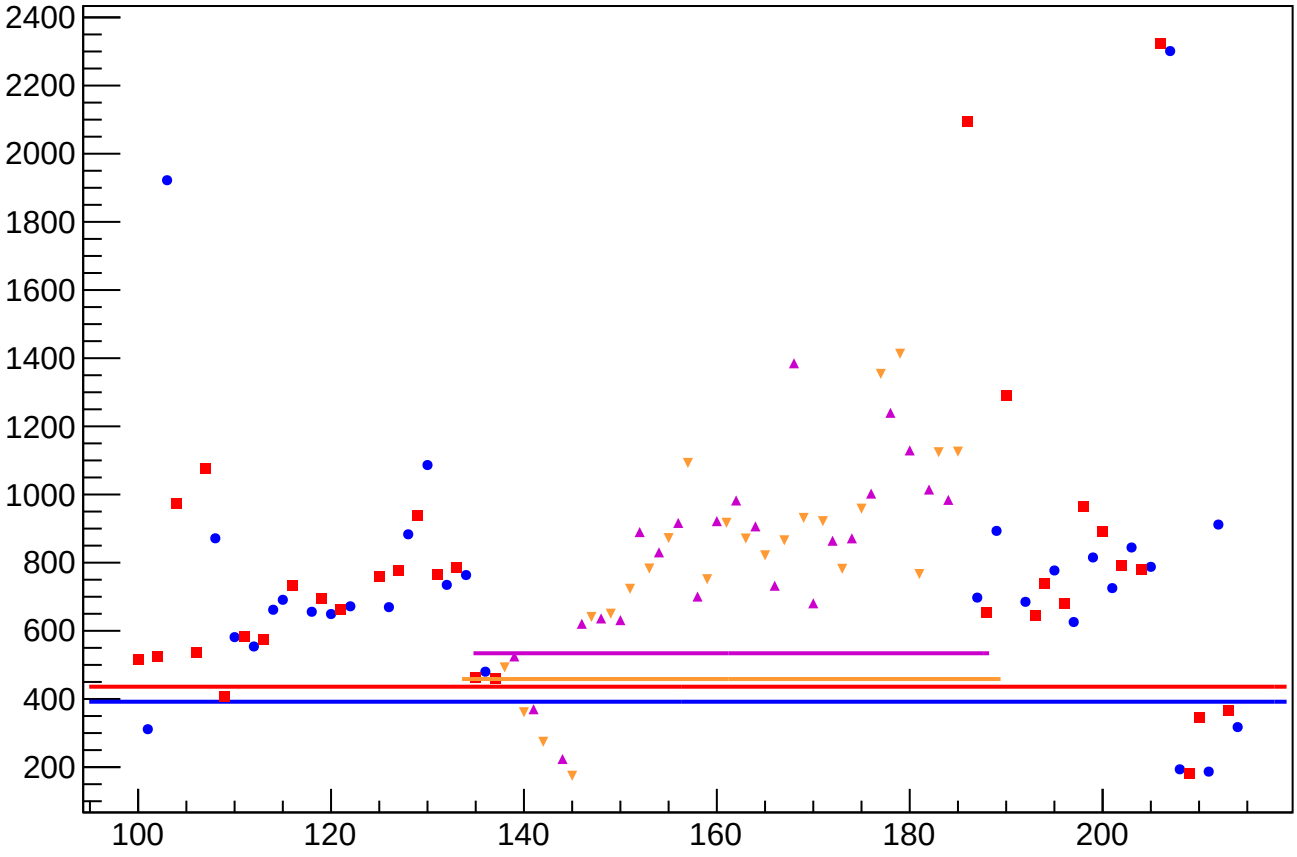
Right Out: 208.029+/-124.347 χ^2/NDF: 42.2/31

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 199.578+/-85.680 χ^2/NDF: 55.4/53

All: 141.697+/-63.299 χ^2/NDF: 118.5/108

- sign 72.144+/-93.922 χ^2/NDF: 62.0/54



Right In: 391.961+/-0.081 χ^2/NDF: 10442470.4/29

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 436.029+/-0.088 χ^2/NDF: 9539306.9/31

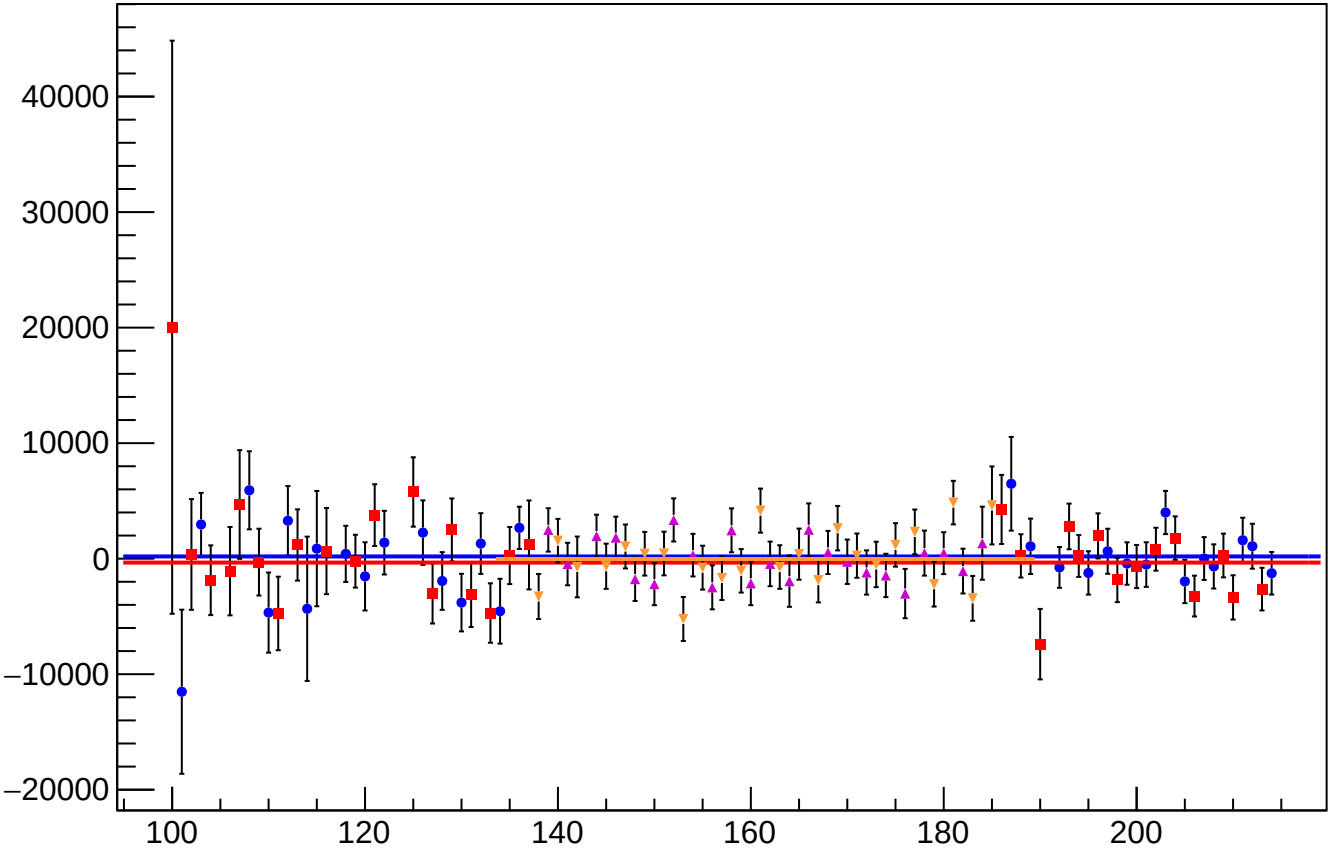
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 420.879+/-0.061 χ^2/NDF: 22165883.9/53

All: 446.905+/-0.045 χ^2/NDF: 41089332.3/10

- sign 478.179+/-0.066 χ^2/NDF: 18517168.2/54

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 191.979+/-424.103 χ^2/NDF: 30.2/29

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -338.087+/-425.633 χ^2/NDF: 38.0/31

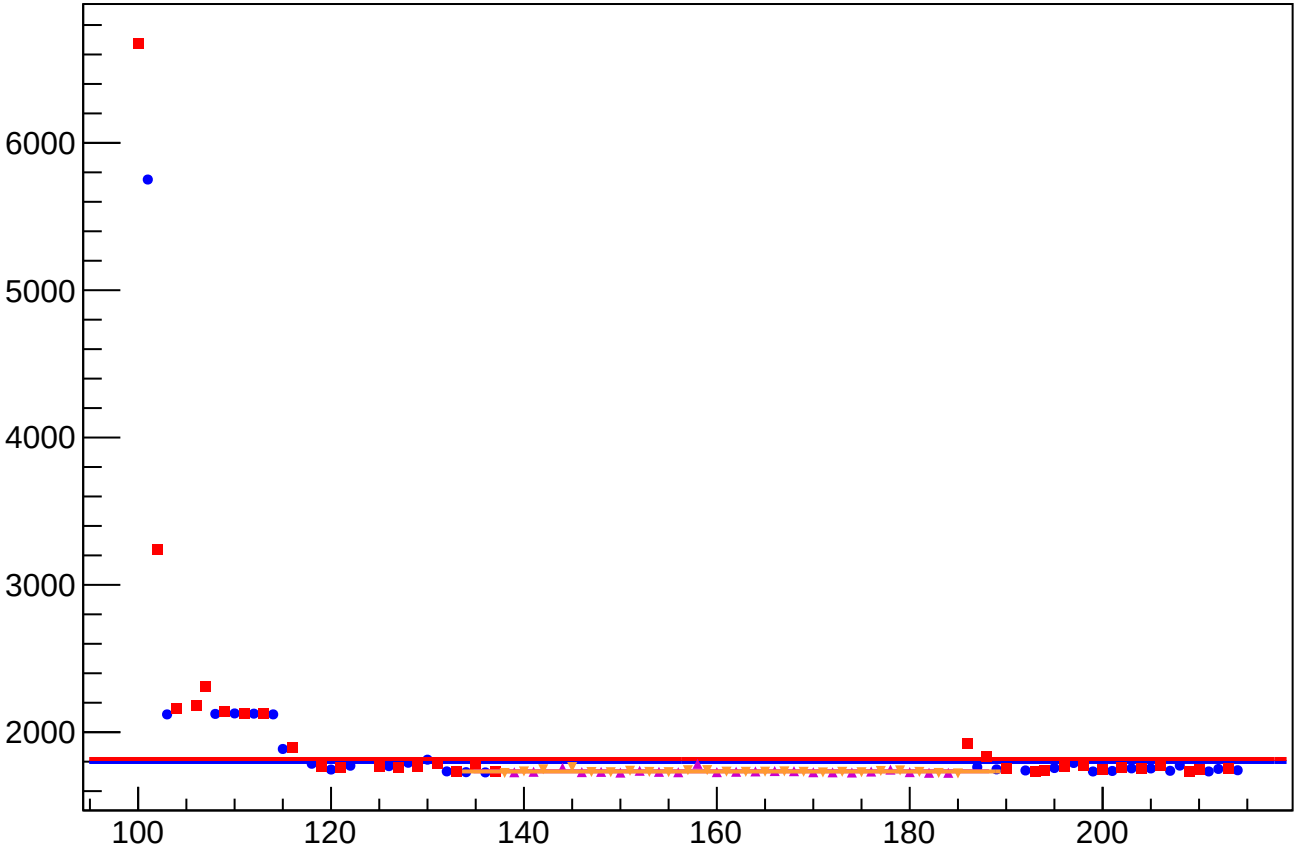
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 75.464+/-291.879 χ^2/NDF: 65.7/53

All: -53.066+/-206.933 χ^2/NDF: 124.3/108

- sign -182.956+/-293.421 χ^2/NDF: 58.1/54

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1797.862+/-0.300 χ^2/NDF: 738836.4/29

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

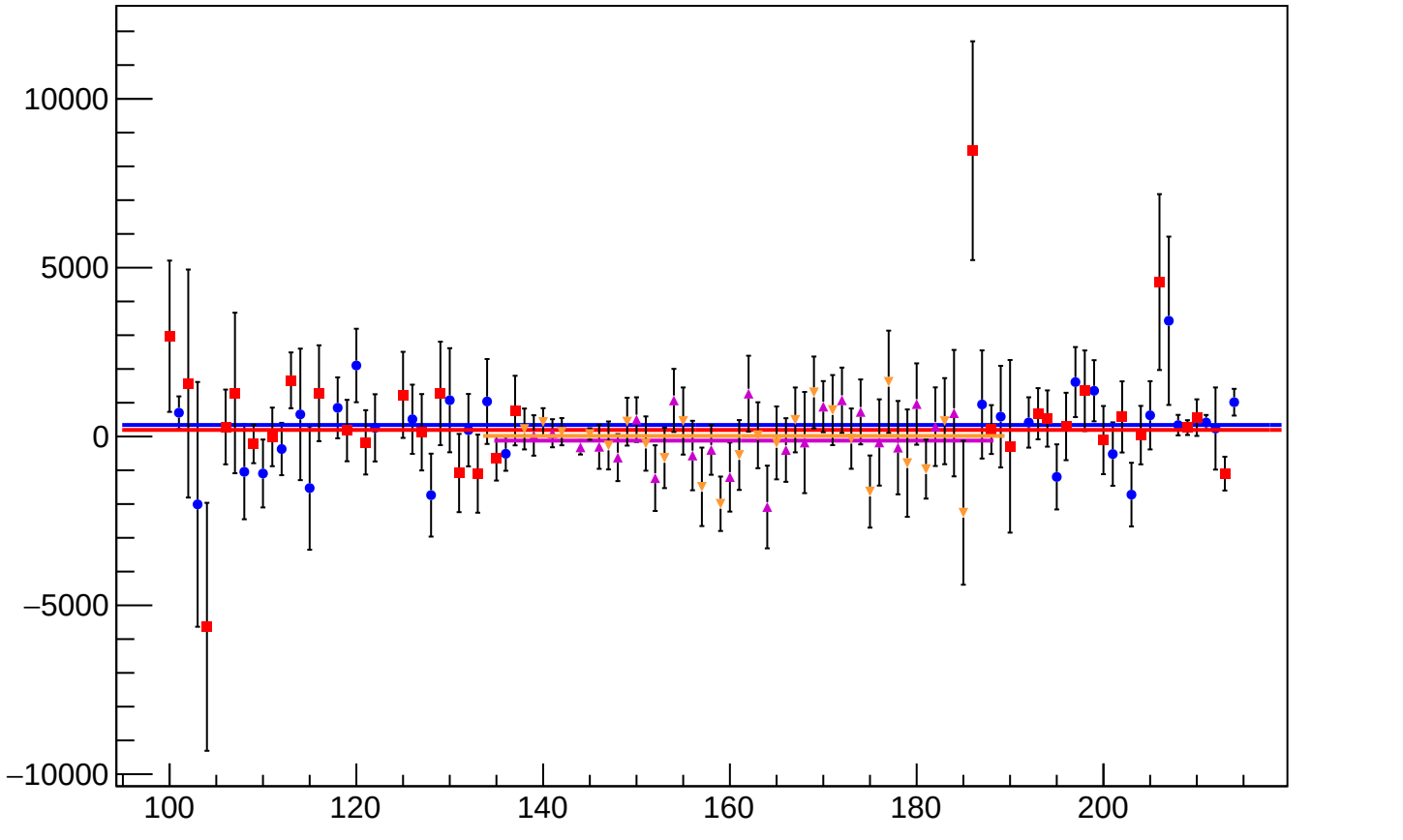
Right Out: 1818.123+/-0.301 χ^2/NDF: 422343.3/31

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1763.974+/-0.206 χ^2/NDF: 763998.3/53

All: 1769.161+/-0.146 χ^2/NDF: 1229999.1/10

- sign 1774.404+/-0.207 χ^2/NDF: 464730.7/54



Right In: 341.963+/-123.255 χ^2/NDF: 30.9/29

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

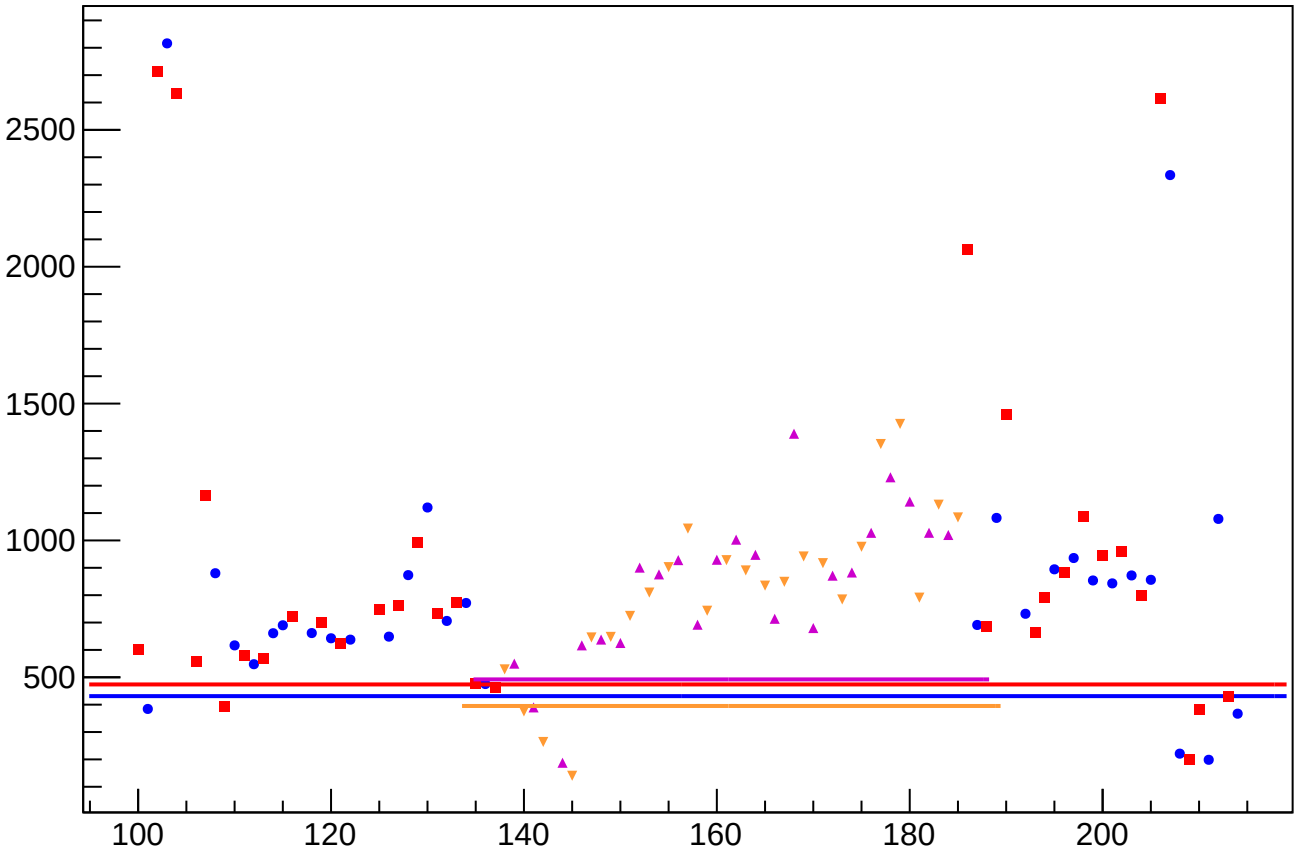
Right Out: 194.787+/-134.657 χ^2/NDF: 32.8/31

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 174.759+/-85.734 χ^2/NDF: 53.9/53

All: 114.780+/-63.971 χ^2/NDF: 107.0/108

- sign 39.443+/-96.086 χ^2/NDF: 52.0/54



Right In: 431.169+/-0.087 χ^2/NDF: 10816323.8/29

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

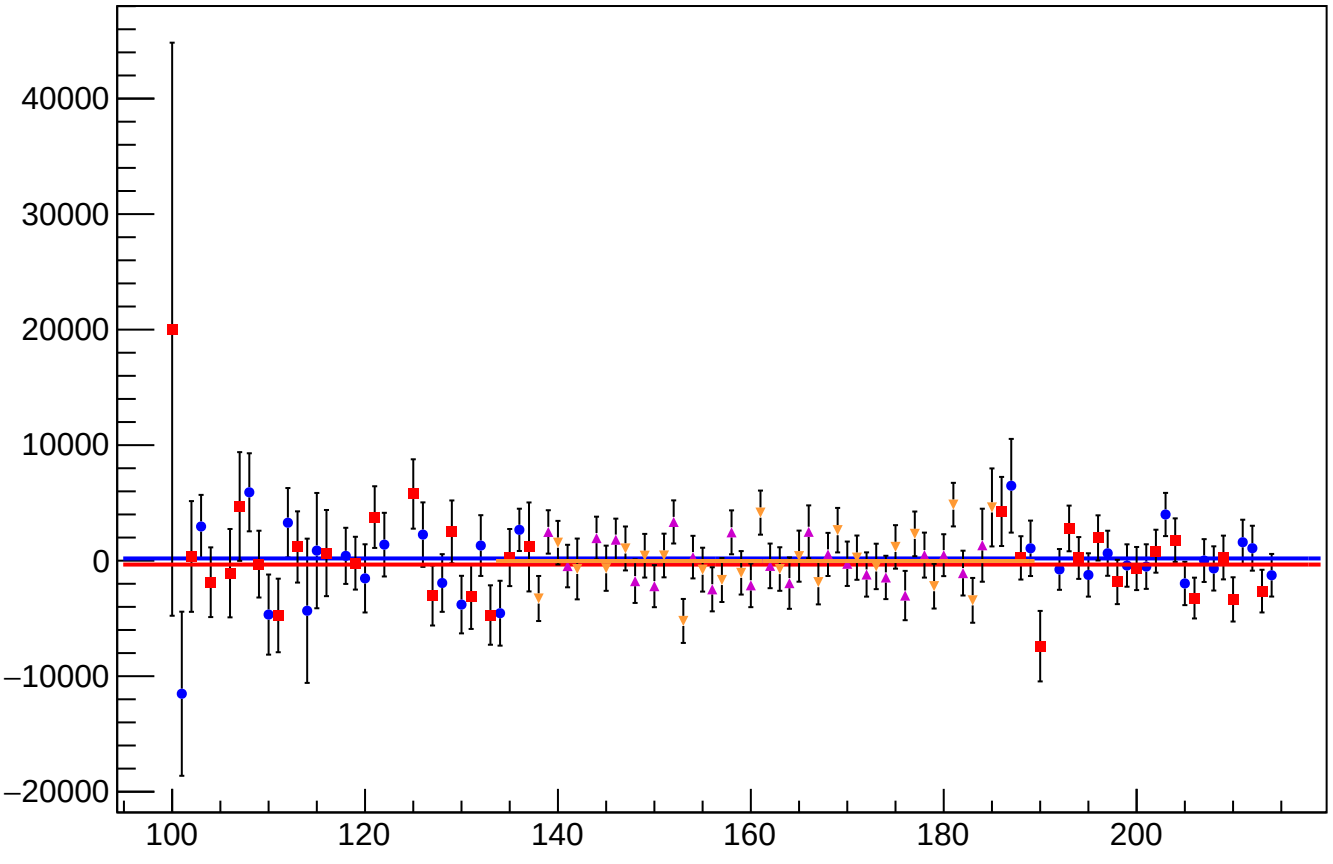
Right Out: 473.859+/-0.095 χ^2/NDF: 10683645.4/31

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 412.597+/-0.061 χ^2/NDF: 25238715.0/53

All: 443.762+/-0.045 χ^2/NDF: 46956490.2/10

- sign 482.908+/-0.068 χ^2/NDF: 21121543.0/54



Right In: 191.981+/-424.103 χ^2/NDF: 30.2/29

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -338.088+/-425.633 χ^2/NDF: 38.0/31

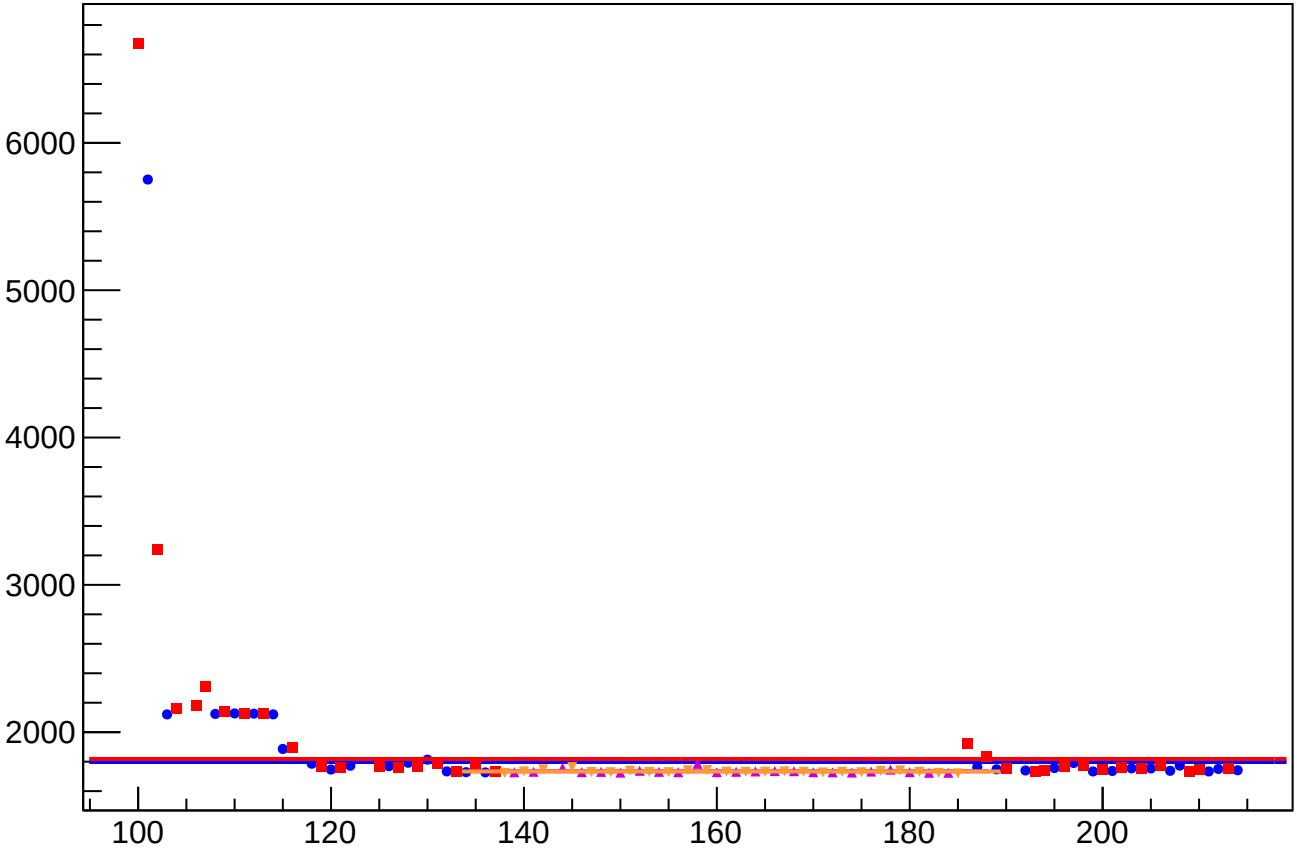
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 75.463+/-291.879 χ^2/NDF: 65.7/53

All: -53.066+/-206.933 χ^2/NDF: 124.3/108

- sign -182.956+/-293.421 χ^2/NDF: 58.1/54

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1797.862+/-0.300 χ^2/NDF: 738836.0/29

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

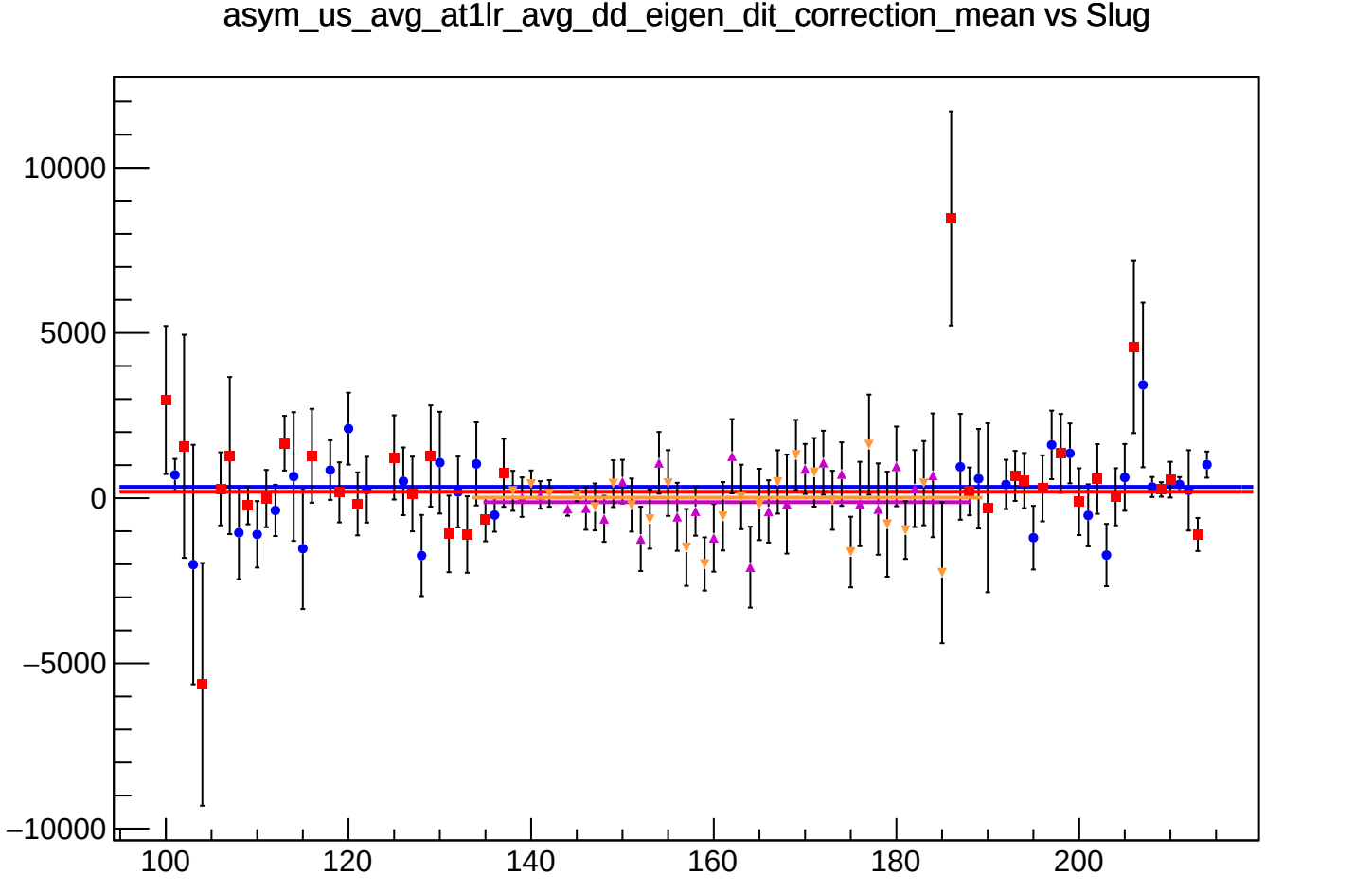
Right Out: 1818.123+/-0.301 χ^2/NDF: 422342.4/31

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1763.974+/-0.206 χ^2/NDF: 763997.9/53

All: 1769.161+/-0.146 χ^2/NDF: 1229997.8/10

- sign 1774.404+/-0.207 χ^2/NDF: 464729.8/54



Right In: 341.962+/-123.255 χ^2/NDF: 30.9/29

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

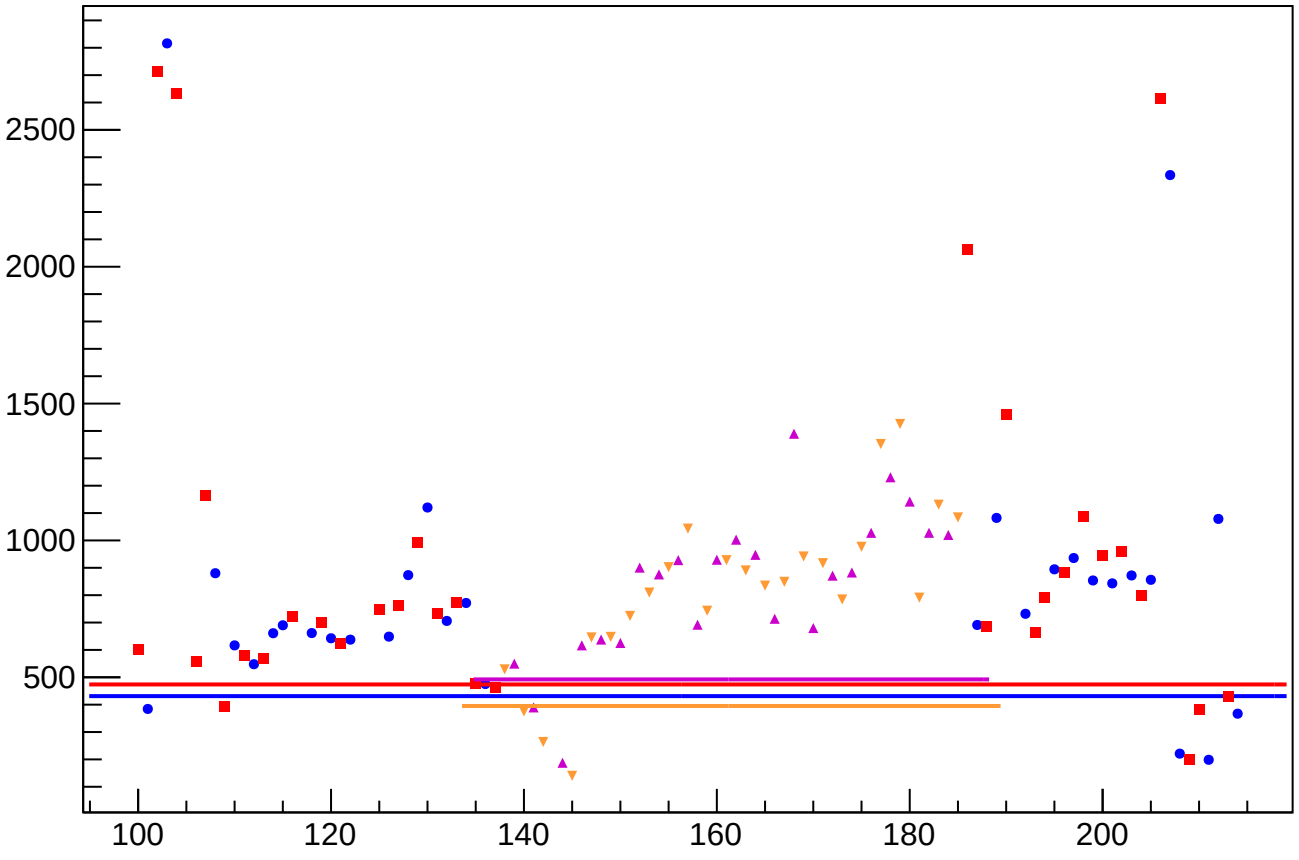
Right Out: 194.783+/-134.656 χ^2/NDF: 32.8/31

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

+ sign 174.758+/-85.734 χ^2/NDF: 53.9/53

All: 114.779+/-63.971 χ^2/NDF: 107.0/108

- sign 39.443+/-96.086 χ^2/NDF: 52.0/54



Right In: 431.170+/-0.087 χ^2/NDF: 10816253.6/29

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 473.855+/-0.095 χ^2/NDF: 10683747.9/31

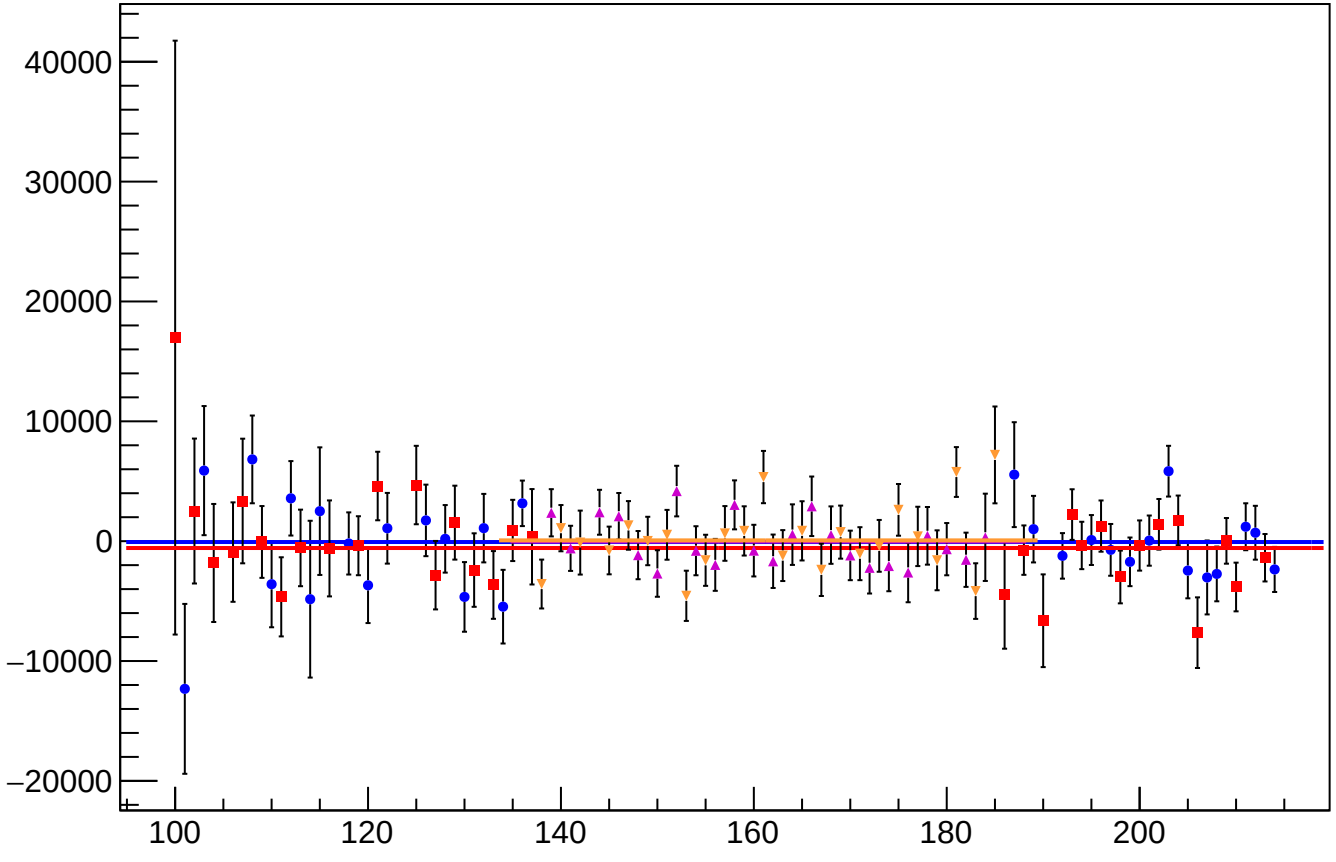
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 412.597+/-0.061 χ^2/NDF: 25238694.7/53

All: 443.762+/-0.045 χ^2/NDF: 46956566.6/10

- sign 482.906+/-0.068 χ^2/NDF: 21121679.6/54

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: -71.293+/-475.737 χ^2/NDF: 37.4/29

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -571.495+/-475.820 χ^2/NDF: 29.5/31

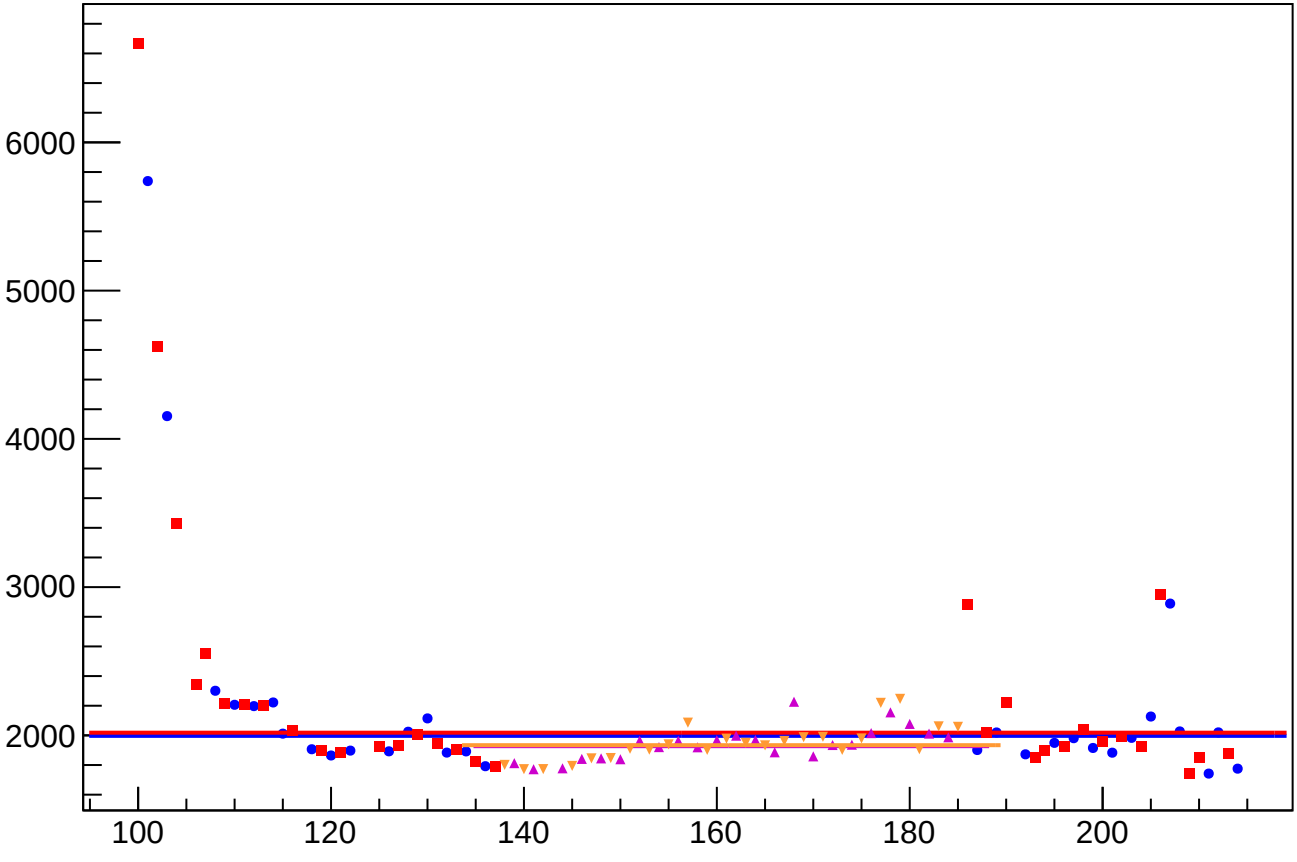
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 1.555+/-326.822 χ^2/NDF: 71.0/53

All: -140.932+/-231.244 χ^2/NDF: 121.6/108

- sign -283.777+/-327.234 χ^2/NDF: 50.1/54

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1996.772+/-0.336 χ^2/NDF: 1208122.3/29

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

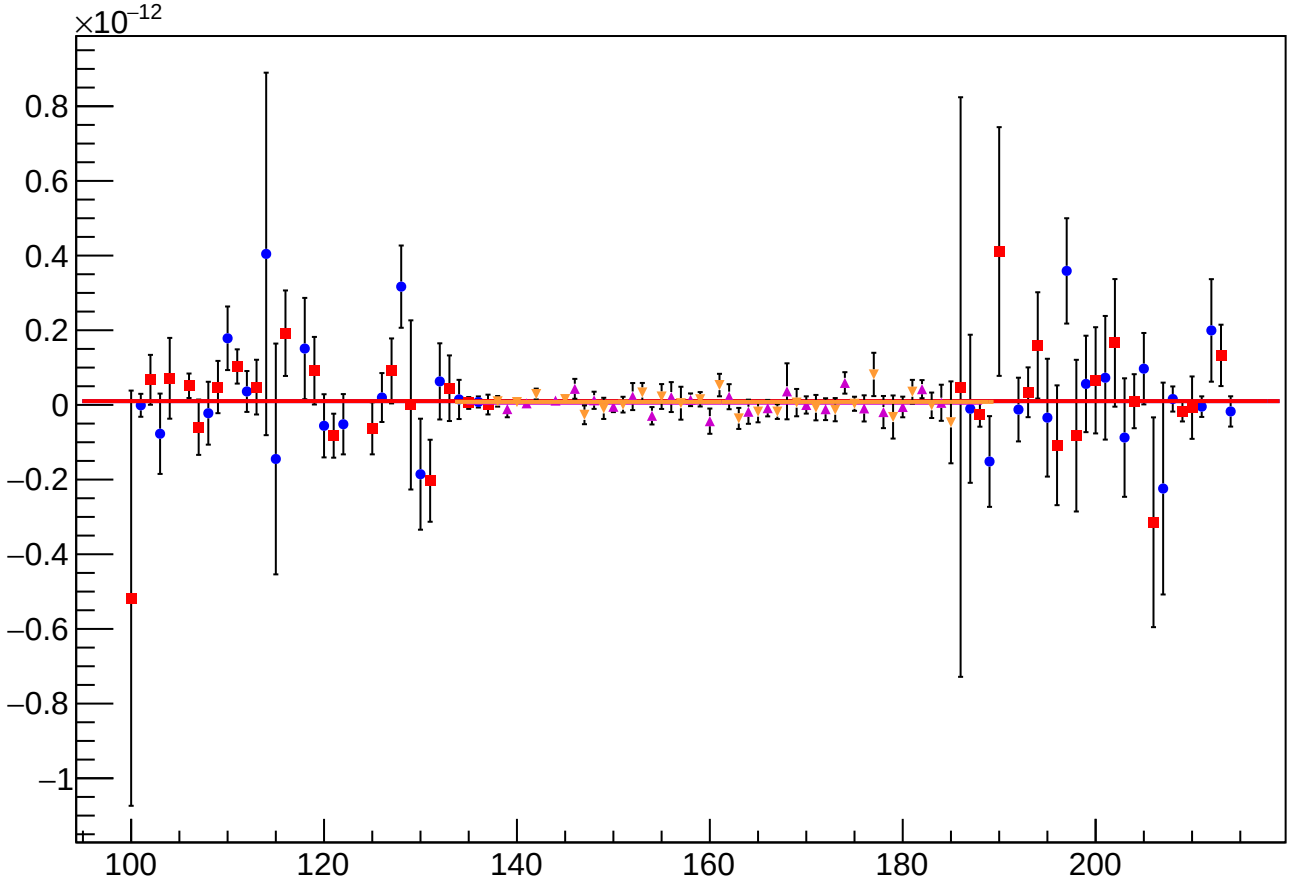
Right Out: 2018.166+/-0.336 χ^2/NDF: 1072177.9/31

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1963.522+/-0.231 χ^2/NDF: 1355156.0/53

All: 1966.849+/-0.164 χ^2/NDF: 2582772.8/10

- sign 1970.184+/-0.231 χ^2/NDF: 1227201.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

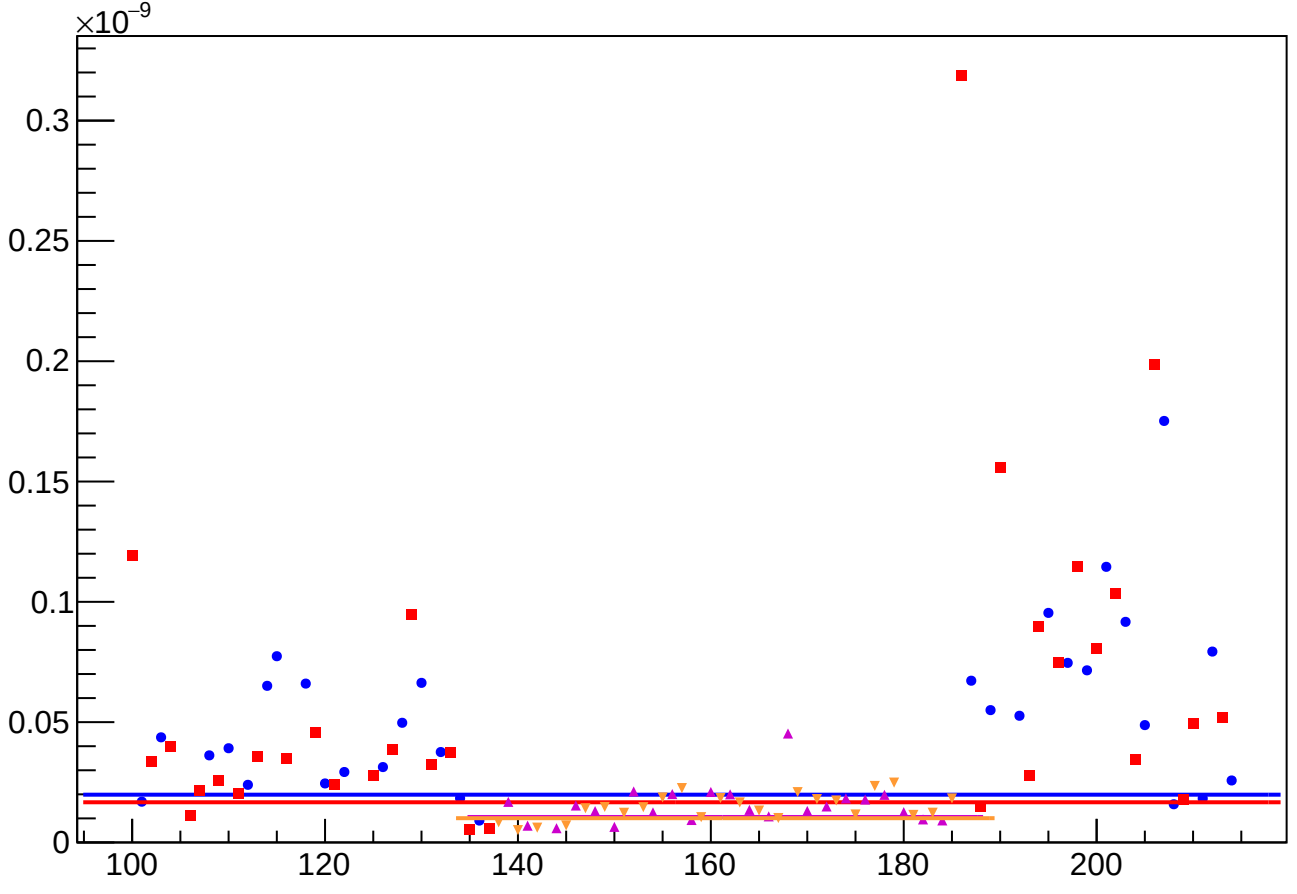
Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/31

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.3/53

All: 0.000+/-0.000 χ^2/NDF: 96.7/108

- sign 0.000+/-0.000 χ^2/NDF: 48.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 6124327.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

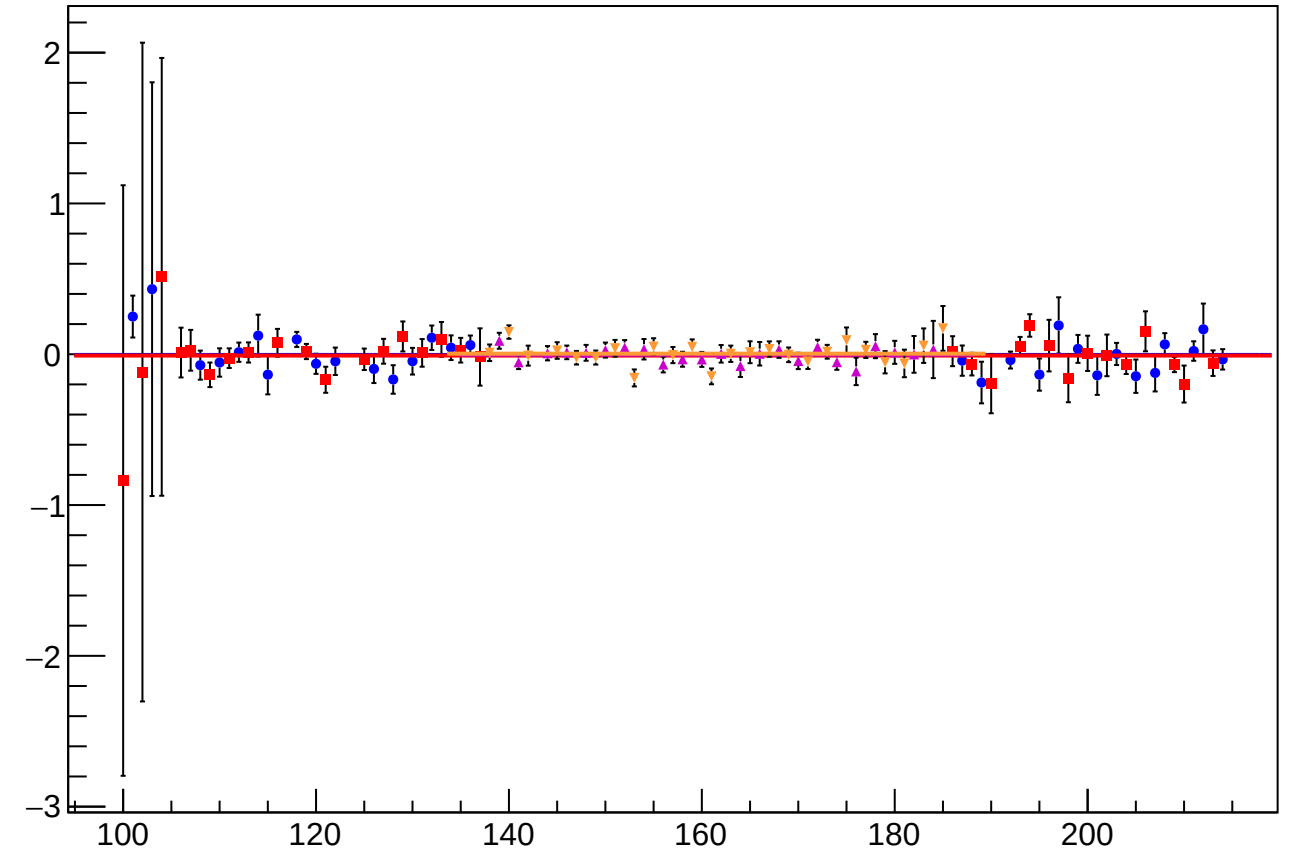
Right Out: 0.000+/-0.000 χ^2/NDF: 7276465.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10118949.4/53

All: 0.000+/-0.000 χ^2/NDF: 20698076.0/108

- sign 0.000+/-0.000 χ^2/NDF: 10579065.5/54



Right In: -0.005+/-0.016 χ^2/NDF: 29.9/29

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.009+/-0.016 χ^2/NDF: 27.9/31

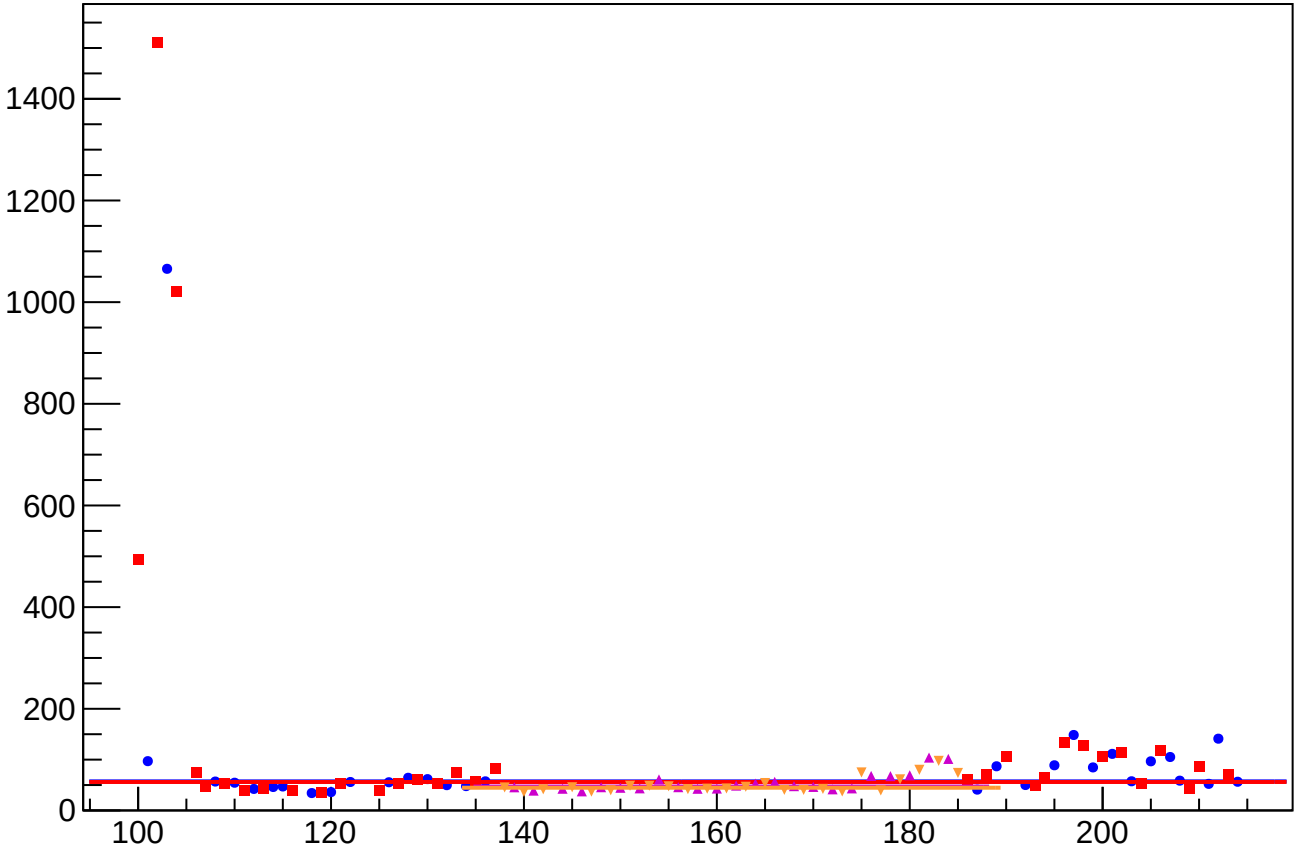
Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 65.1/53

All: -0.002+/-0.007 χ^2/NDF: 107.8/108

- sign -0.005+/-0.010 χ^2/NDF: 42.5/54

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 57.164+/-0.011 χ^2/NDF: 4472395.9/29

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 56.023+/-0.011 χ^2/NDF: 5269827.5/31

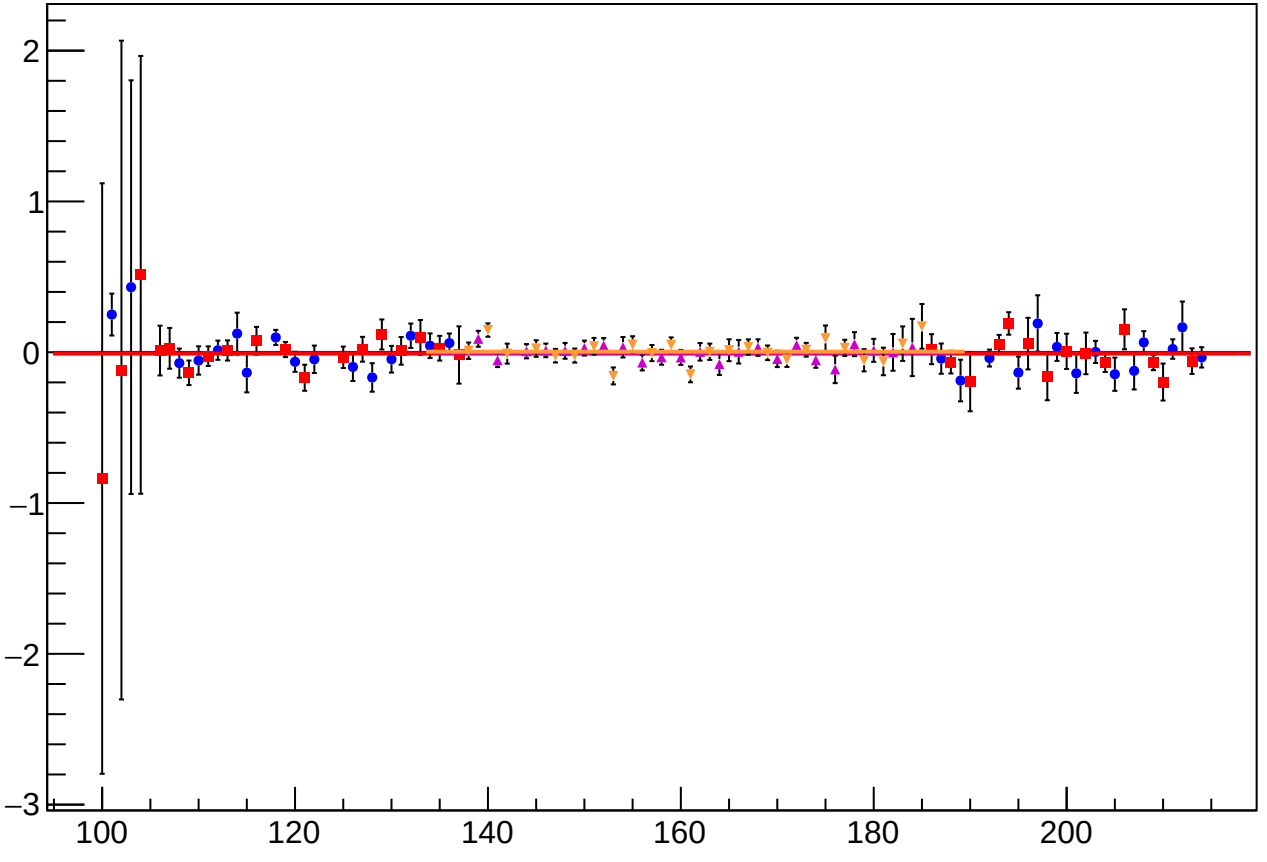
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.069+/-0.007 χ^2/NDF: 6768134.6/53

All: 49.677+/-0.005 χ^2/NDF: 13852419.8/108

- sign 50.315+/-0.007 χ^2/NDF: 7066735.1/54

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.016 χ^2/NDF: 29.9/29

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

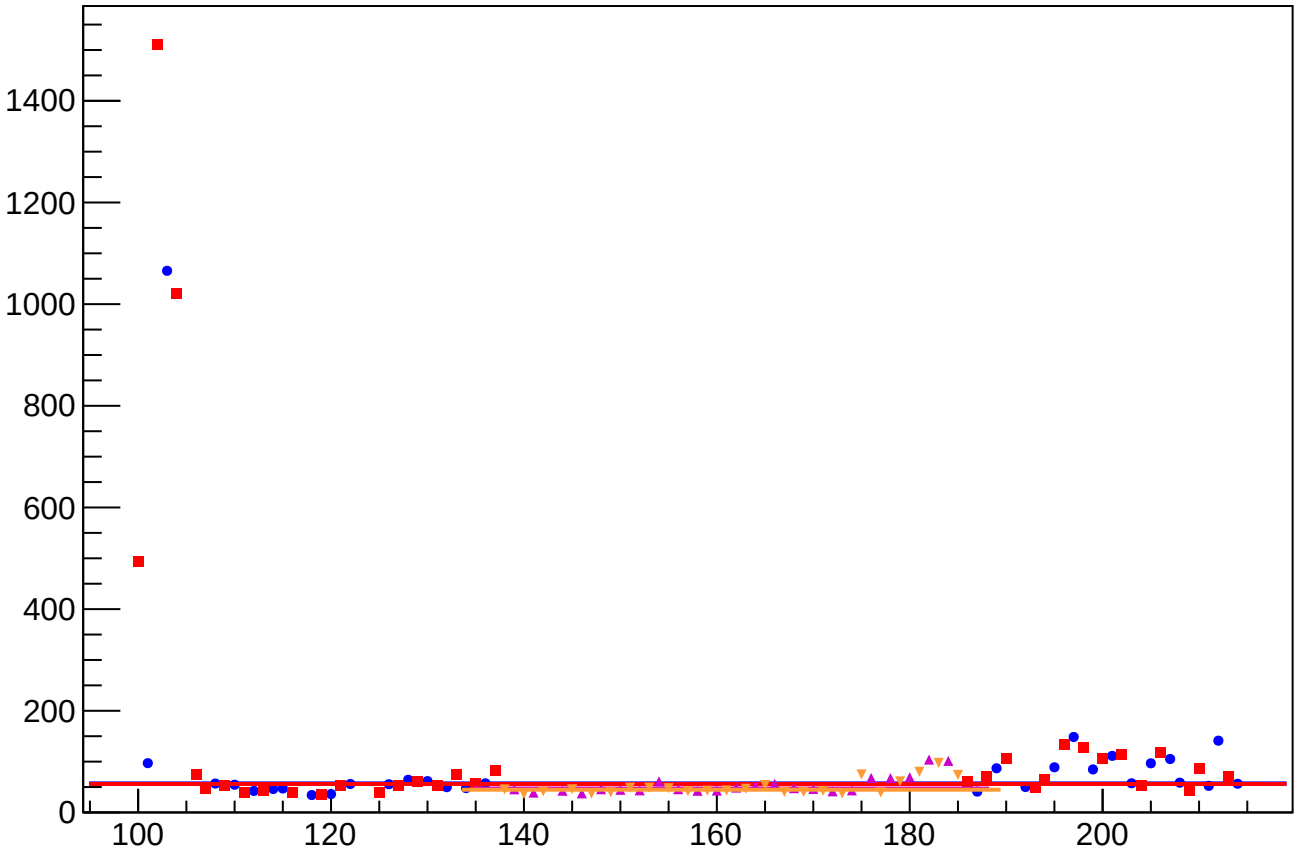
Right Out: -0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 65.1/53

All: -0.002+/-0.007 χ^2/NDF: 107.8/108

- sign -0.005+/-0.010 χ^2/NDF: 42.5/54



Right In: 57.164+/-0.011 χ^2/NDF: 4472395.9/29

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

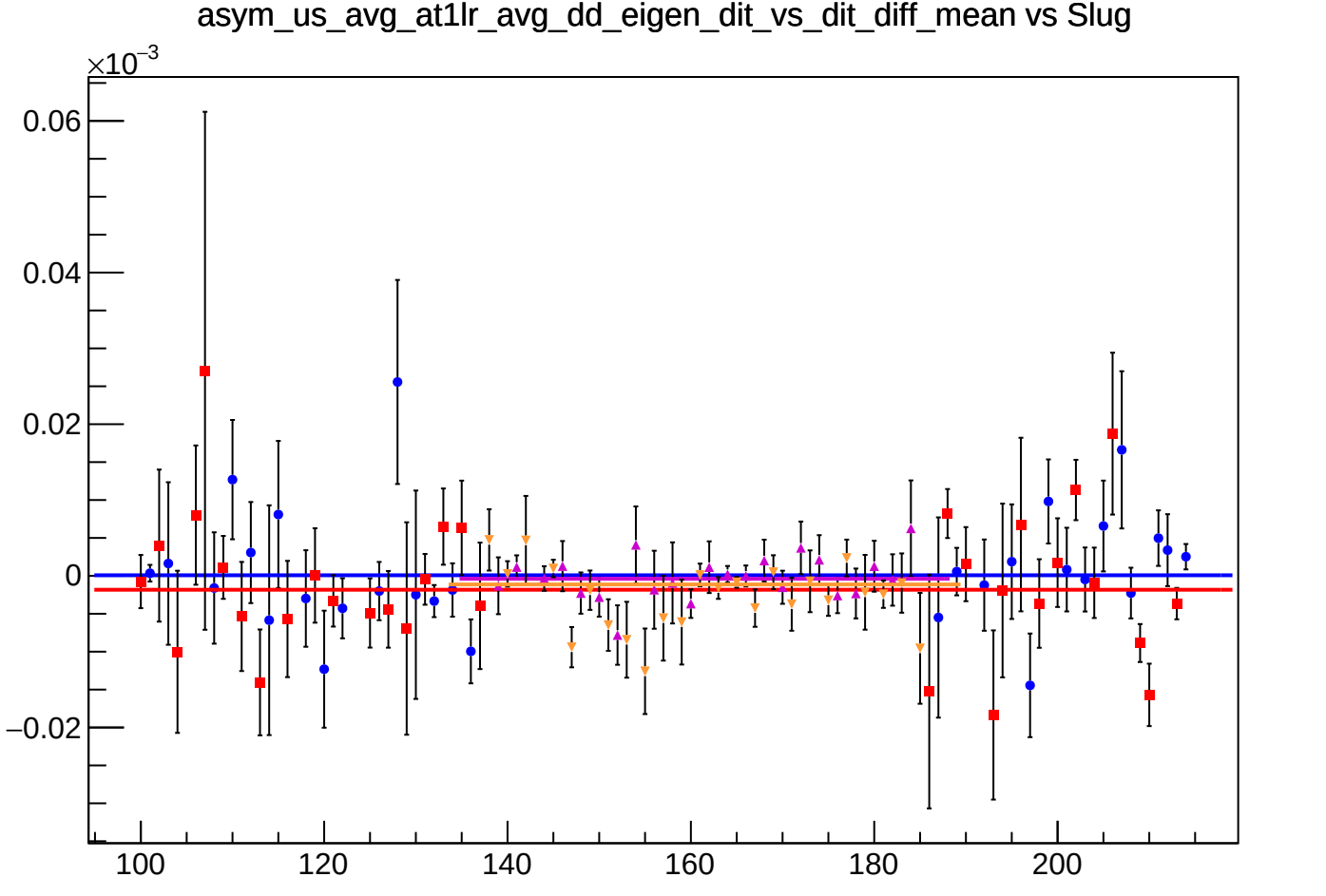
Right Out: 56.023+/-0.011 χ^2/NDF: 5269827.5/31

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.069+/-0.007 χ^2/NDF: 6768134.6/53

All: 49.677+/-0.005 χ^2/NDF: 13852419.8/108

- sign 50.315+/-0.007 χ^2/NDF: 7066735.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 36.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

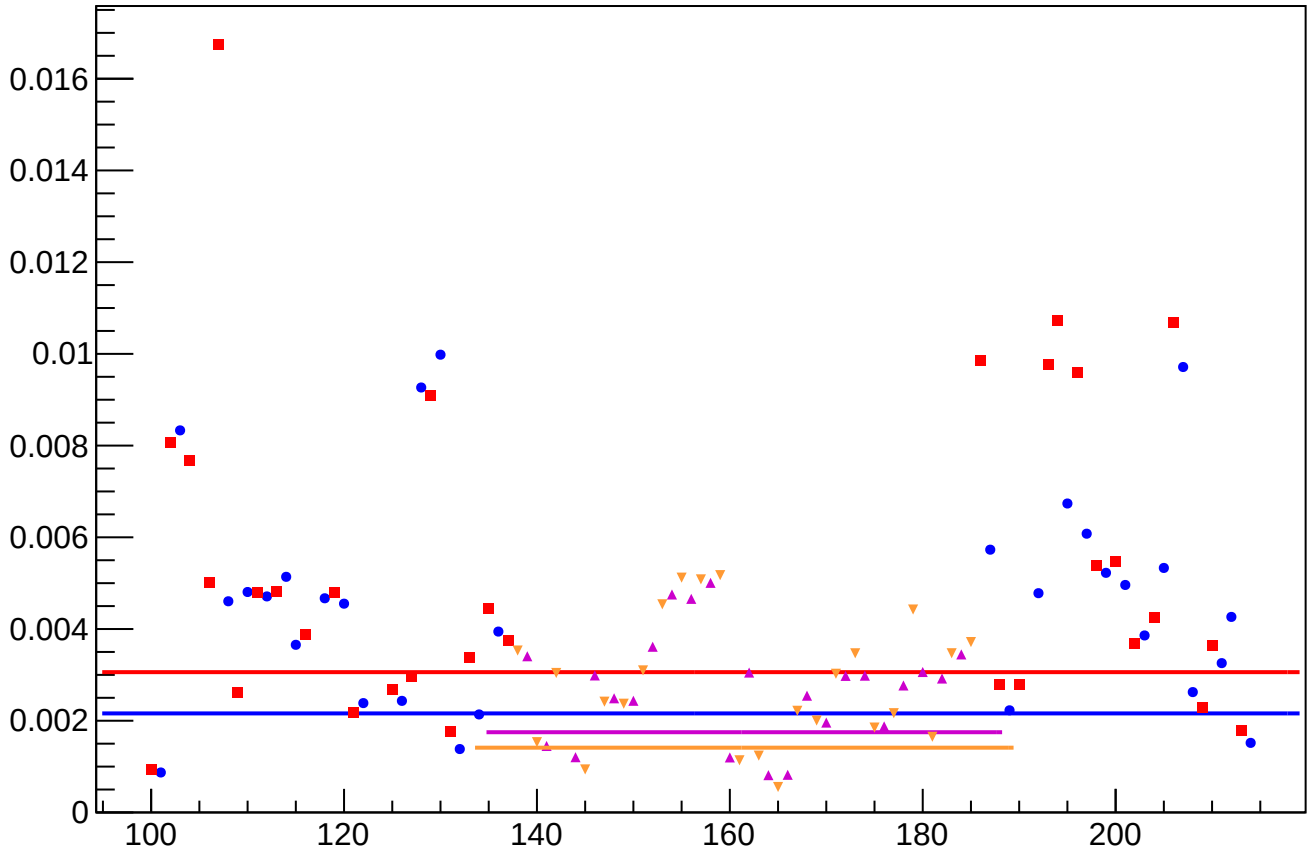
Right Out: -0.000+/-0.000 χ^2/NDF: 61.6/31

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.1/53

All: -0.000+/-0.000 χ^2/NDF: 155.2/108

- sign -0.000+/-0.000 χ^2/NDF: 80.1/54



Right In: 0.002+/-0.000 χ^2/NDF: 12529041.5/29

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8906896.3/31

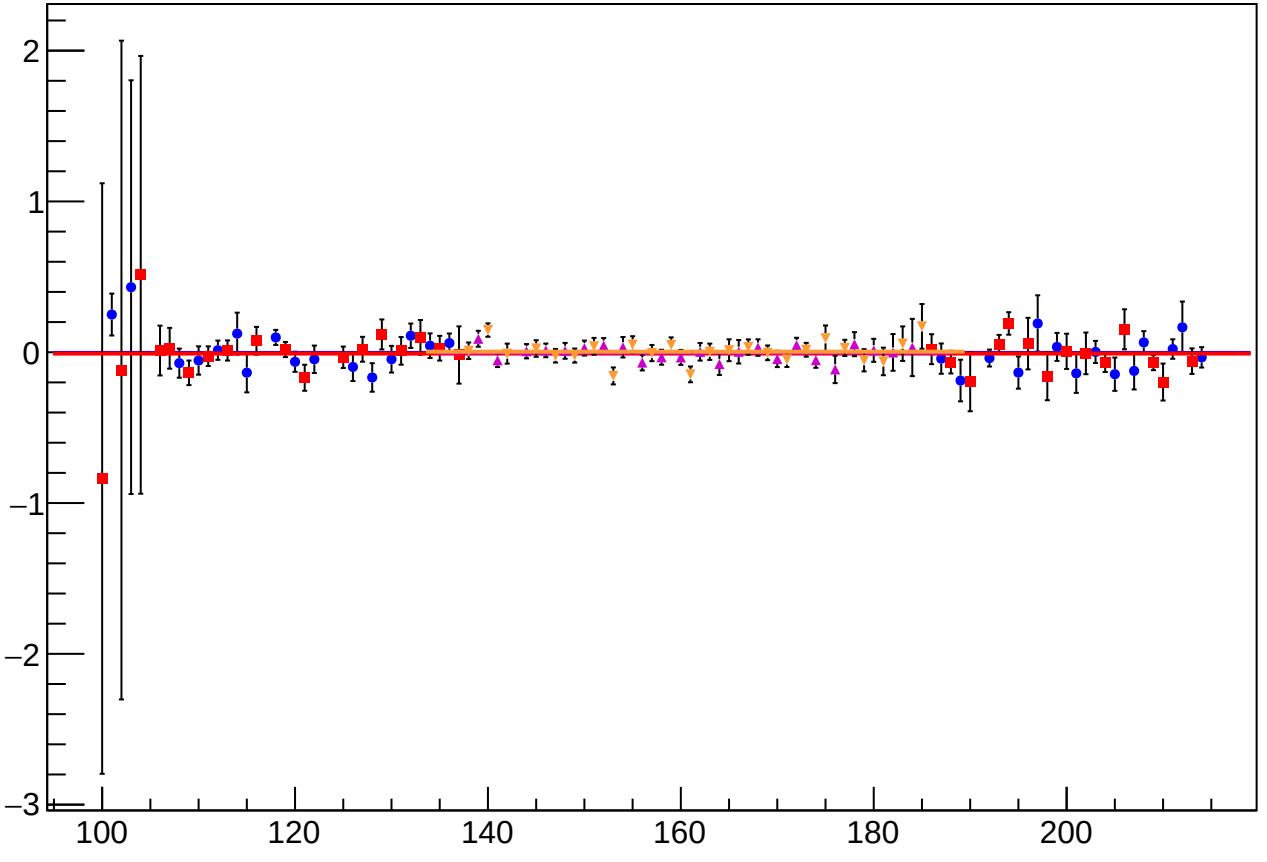
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 25997315.2/53

All: 0.002+/-0.000 χ^2/NDF: 48102487.3/108

- sign 0.002+/-0.000 χ^2/NDF: 20729454.1/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.016 χ^2/NDF: 29.9/29

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

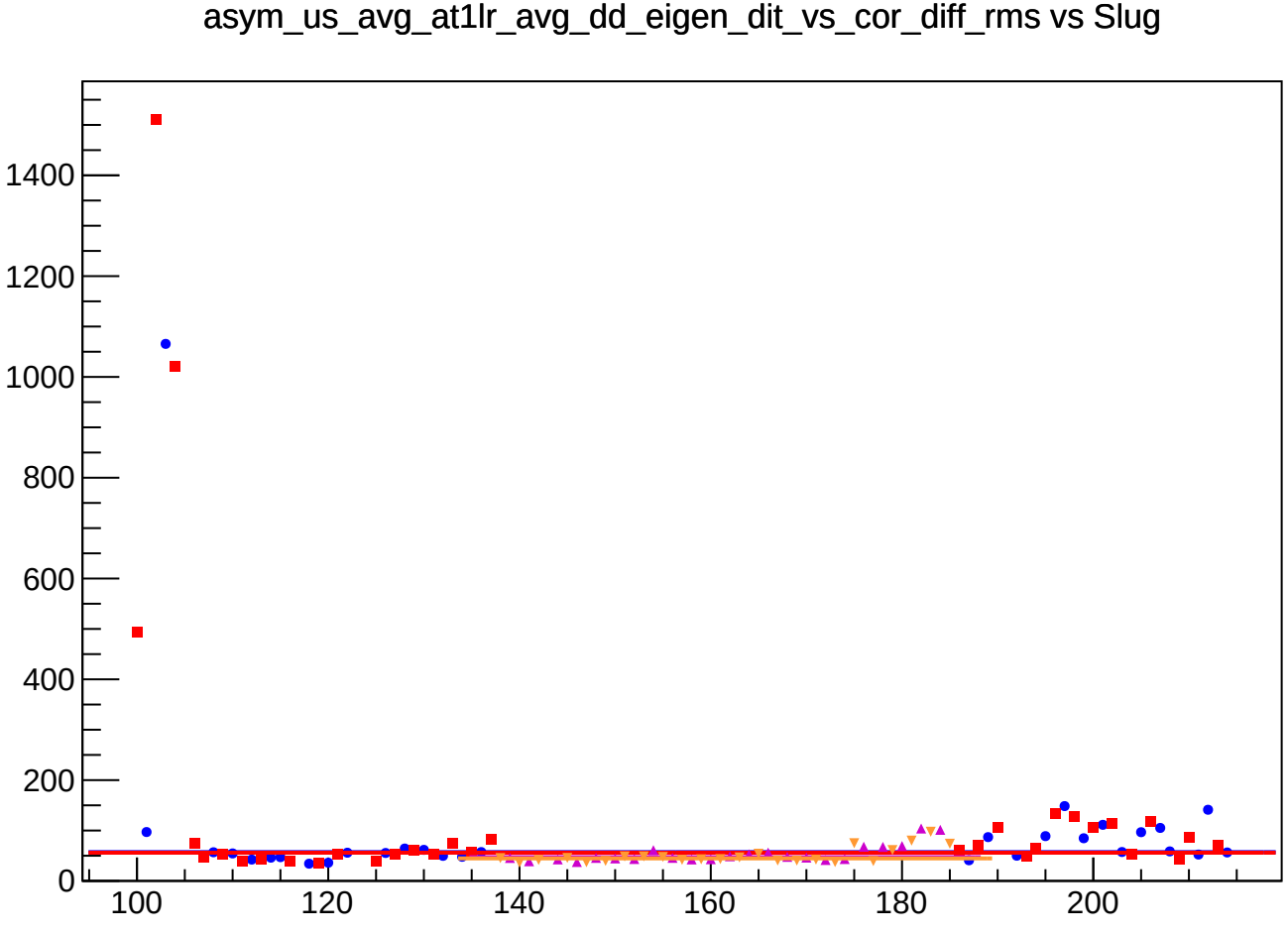
Right Out: -0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 65.1/53

All: -0.002+/-0.007 χ^2/NDF: 107.8/108

- sign -0.005+/-0.010 χ^2/NDF: 42.5/54



Right In: 57.164+/-0.011 χ^2/NDF: 4472474.1/29

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.022+/-0.011 χ^2/NDF: 5270017.3/31

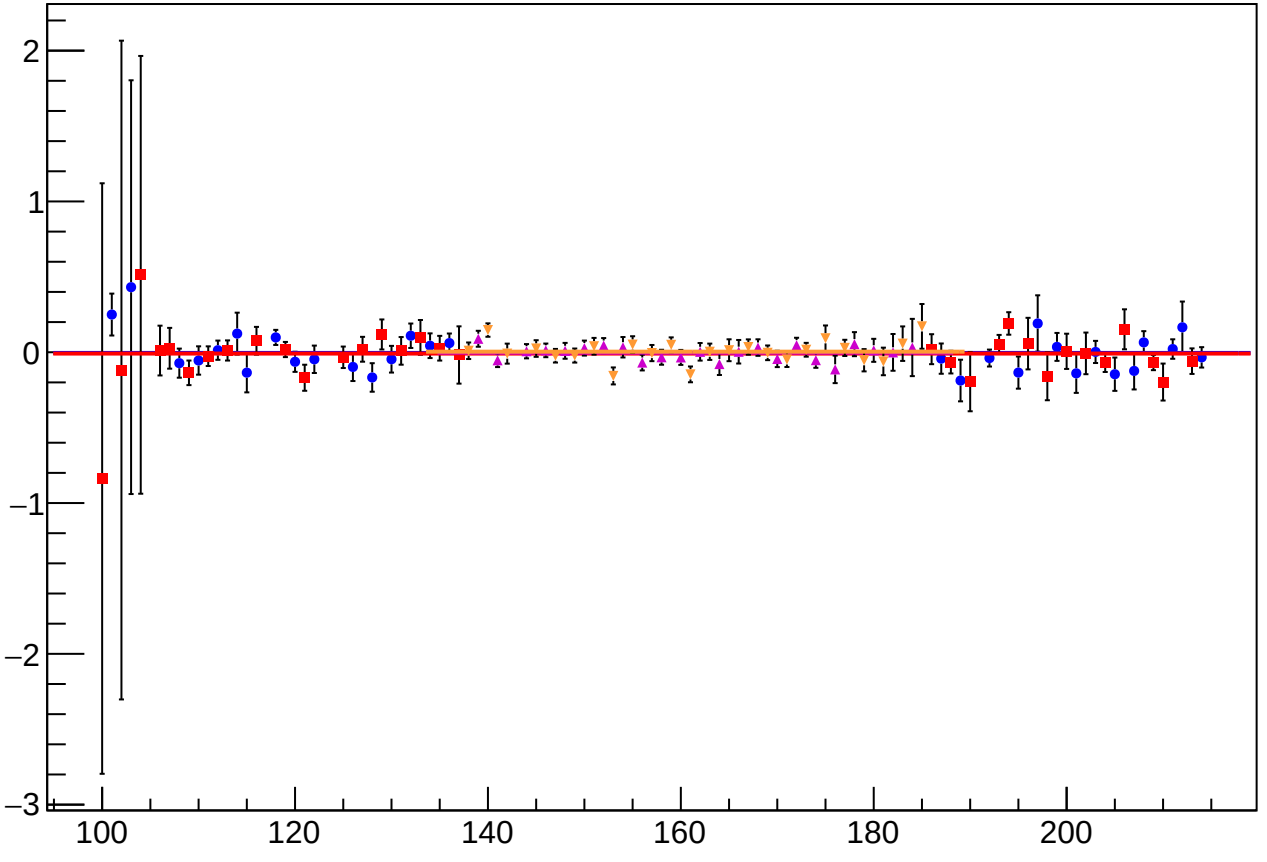
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.069+/-0.007 χ^2/NDF: 6768138.0/53

All: 49.676+/-0.005 χ^2/NDF: 13852614.5/108

- sign 50.314+/-0.007 χ^2/NDF: 7066939.0/54

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.005+/-0.016 χ^2/NDF: 29.9/29

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

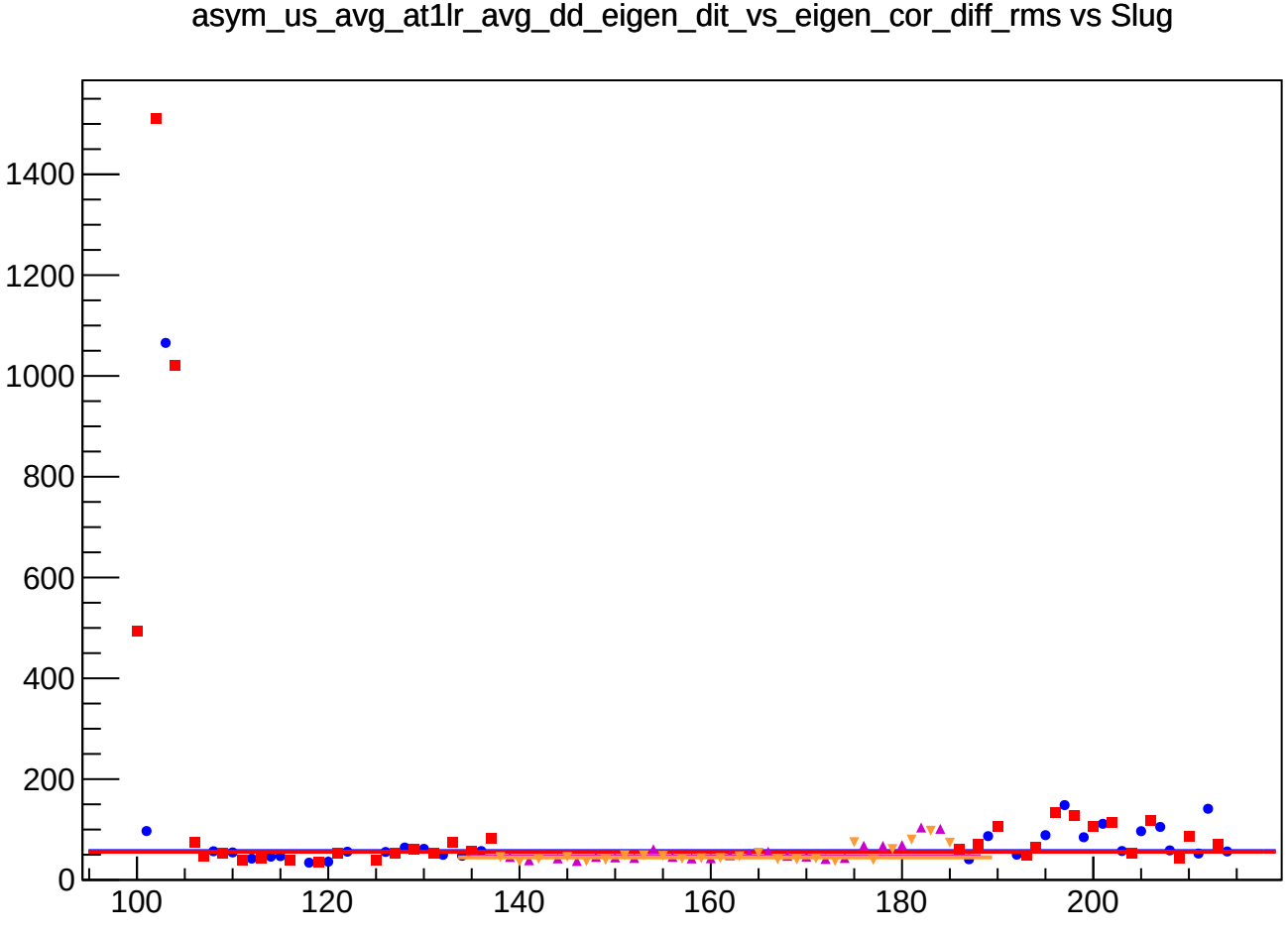
Right Out: -0.009+/-0.016 χ^2/NDF: 27.9/31

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.001+/-0.009 χ^2/NDF: 65.1/53

All: -0.002+/-0.007 χ^2/NDF: 107.8/108

- sign -0.005+/-0.010 χ^2/NDF: 42.5/54



Right In: 57.164+/-0.011 χ^2/NDF: 4472474.1/29

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

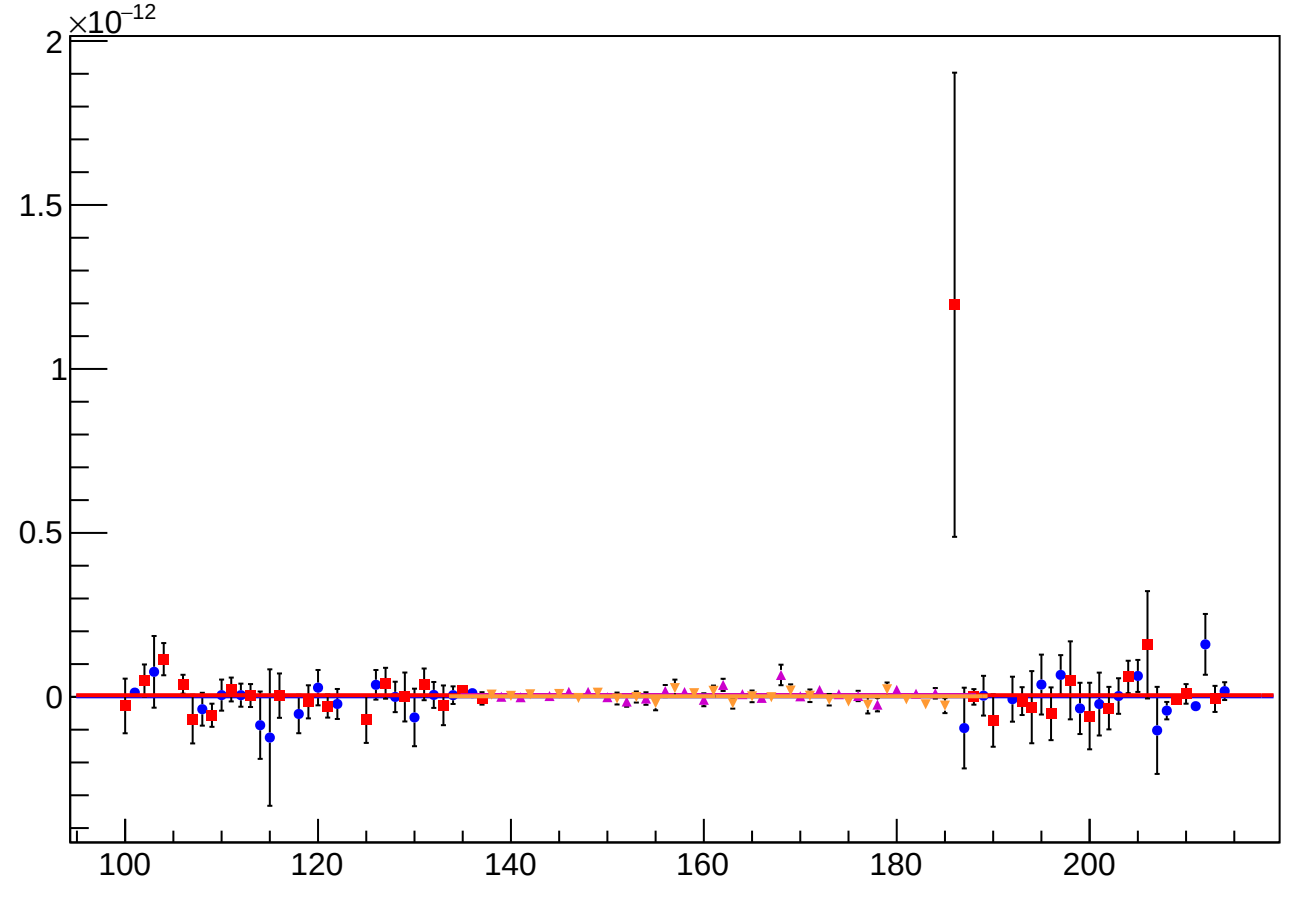
Right Out: 56.022+/-0.011 χ^2/NDF: 5270017.3/31

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.069+/-0.007 χ^2/NDF: 6768138.0/53

All: 49.676+/-0.005 χ^2/NDF: 13852614.5/108

- sign 50.314+/-0.007 χ^2/NDF: 7066939.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

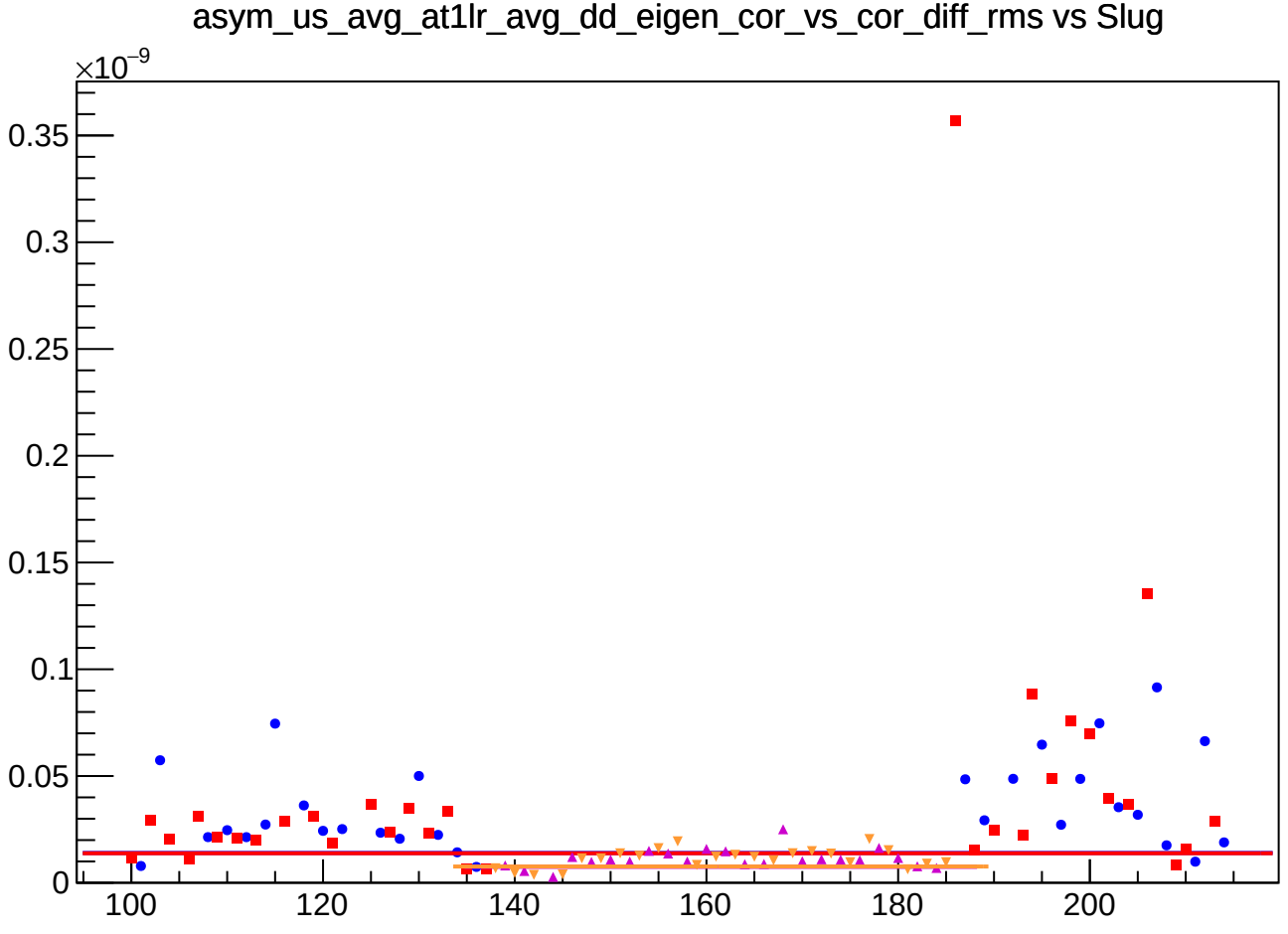
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/31

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/53

All: 0.000+/-0.000 χ^2/NDF: 86.7/108

- sign 0.000+/-0.000 χ^2/NDF: 43.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 8024215.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8587597.3/31

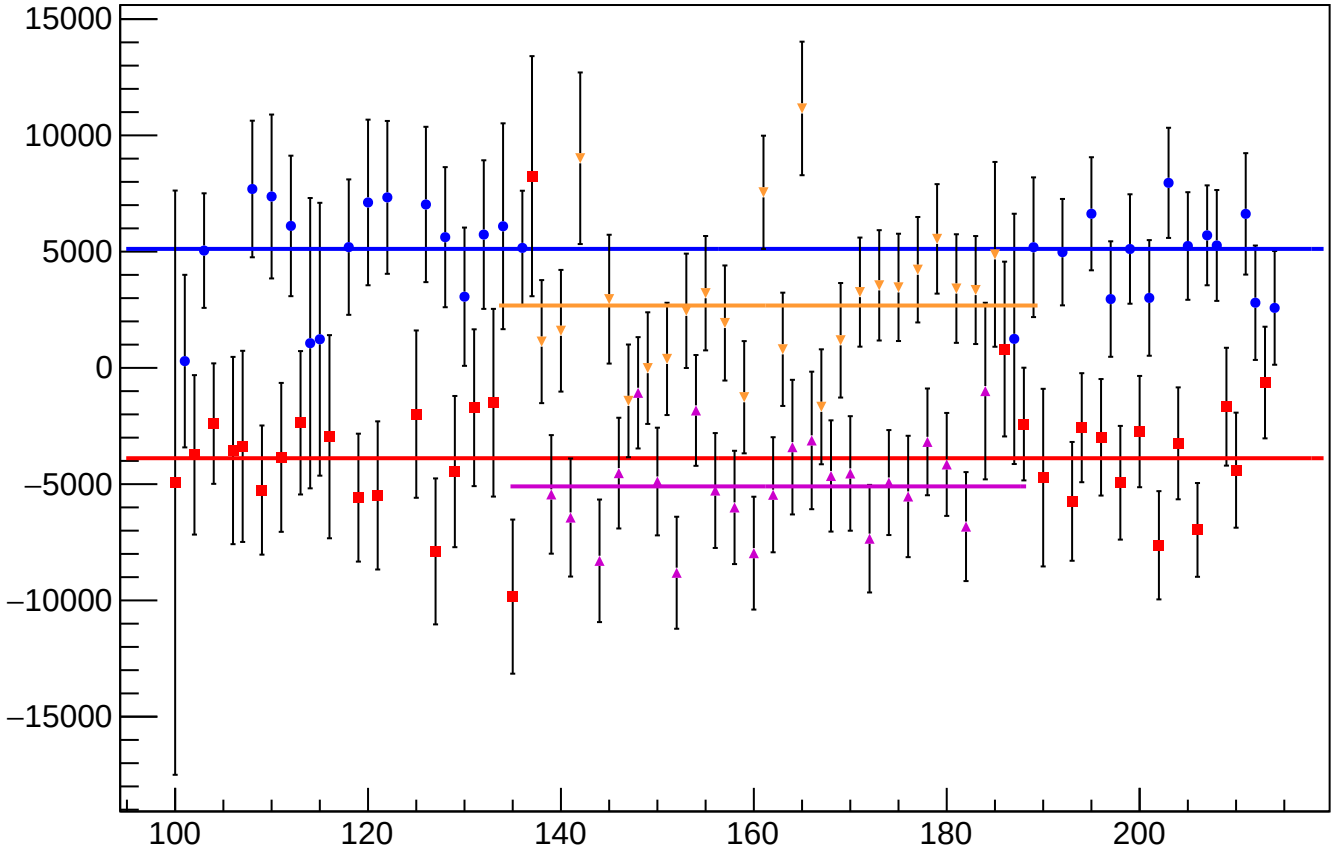
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15807100.6/53

All: 0.000+/-0.000 χ^2/NDF: 32560297.6/108

- sign 0.000+/-0.000 χ^2/NDF: 16745928.8/54

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5117.549+/-515.636 χ^2/NDF: 11.7/29

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3884.474+/-515.071 χ^2/NDF: 24.0/31

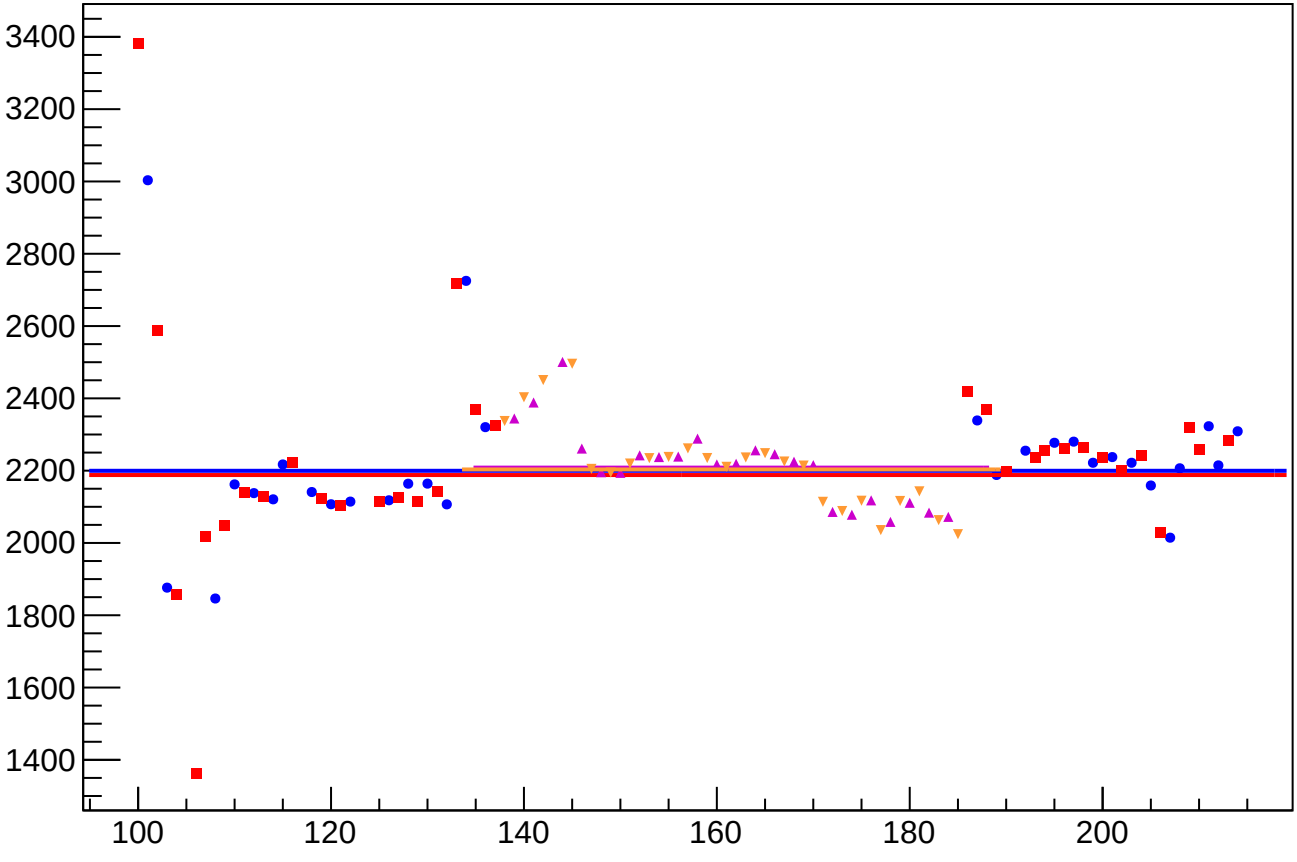
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.643+/-363.324 χ^2/NDF: 53.8/53

All: -283.808+/-257.366 χ^2/NDF: 360.5/108

- sign -4489.086+/-364.620 χ^2/NDF: 41.7/54

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.612+/-0.365 χ^2/NDF: 230054.8/29

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

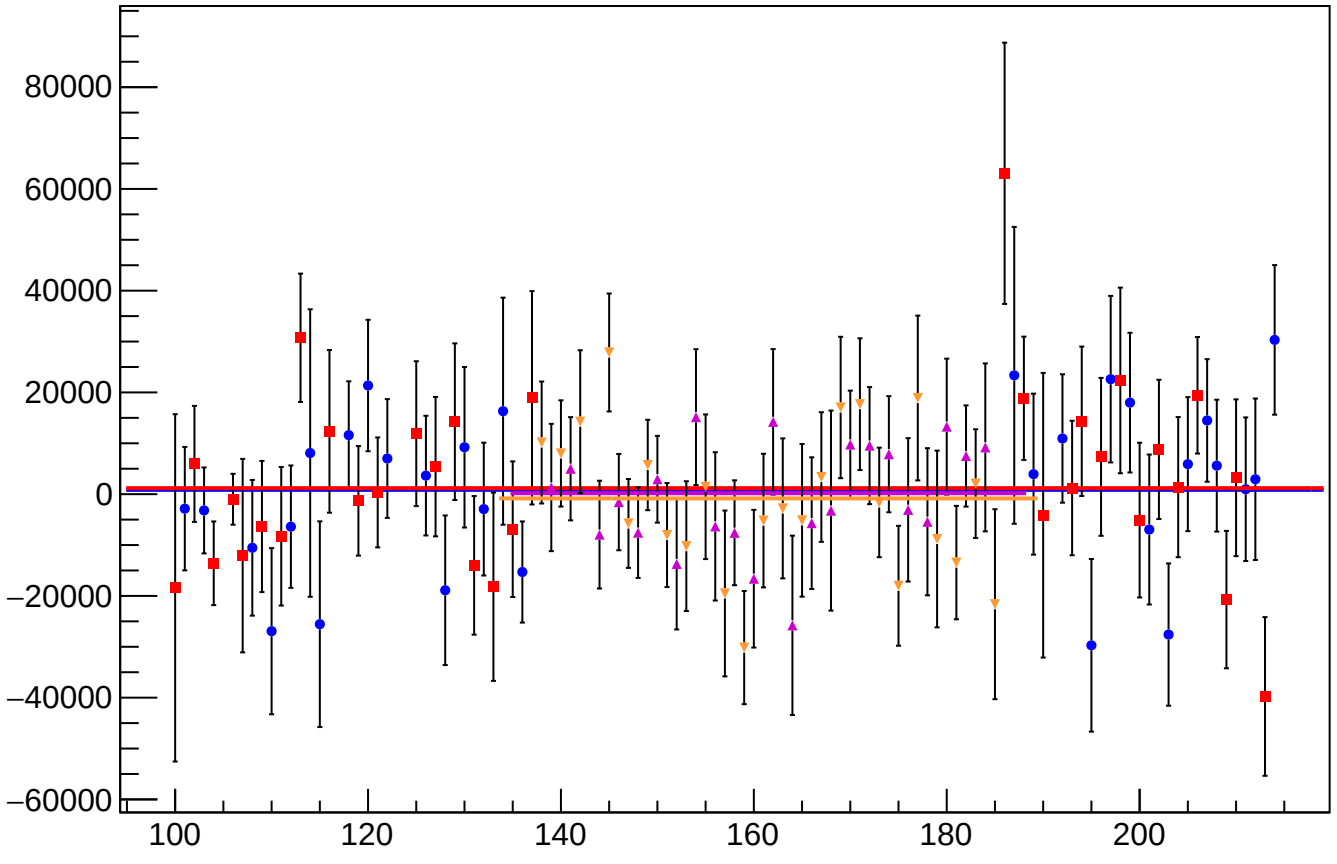
Right Out: 2187.869+/-0.362 χ^2/NDF: 335969.9/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.467+/-0.257 χ^2/NDF: 318314.5/53

All: 2199.751+/-0.182 χ^2/NDF: 736960.4/108

- sign 2198.034+/-0.257 χ^2/NDF: 418556.6/54



Right In: 849.834+/-2478.156 χ^2/NDF: 33.1/29

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

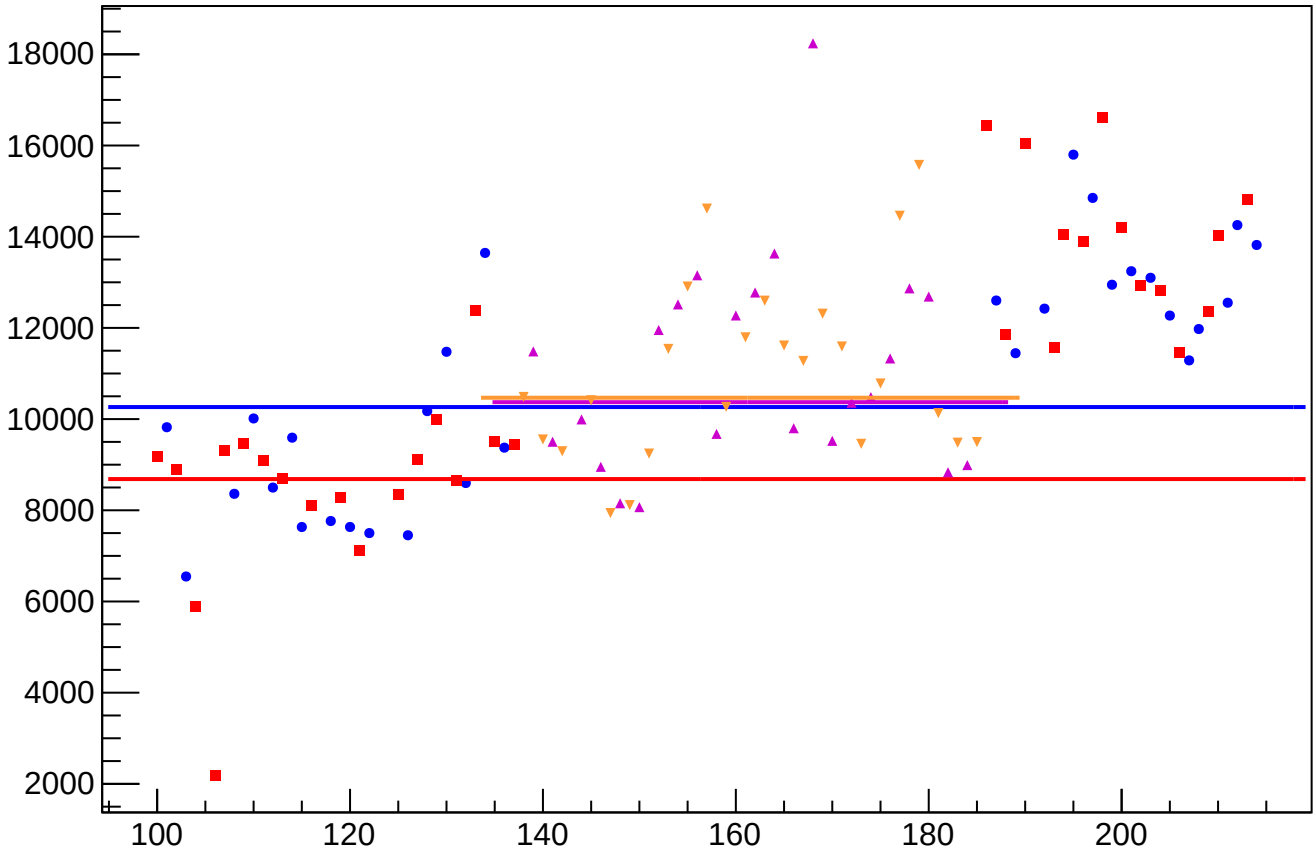
Right Out: 1184.206+/-2241.138 χ^2/NDF: 38.9/31

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign 9.299+/-1753.491 χ^2/NDF: 62.8/53

All: 390.461+/-1205.541 χ^2/NDF: 115.7/108

- sign 732.112+/-1660.122 χ^2/NDF: 52.8/54



Right In: 10263.943+/-1.752 χ^2/NDF: 2120685.7/29

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8684.641+/-1.585 χ^2/NDF: 6656755.1/31

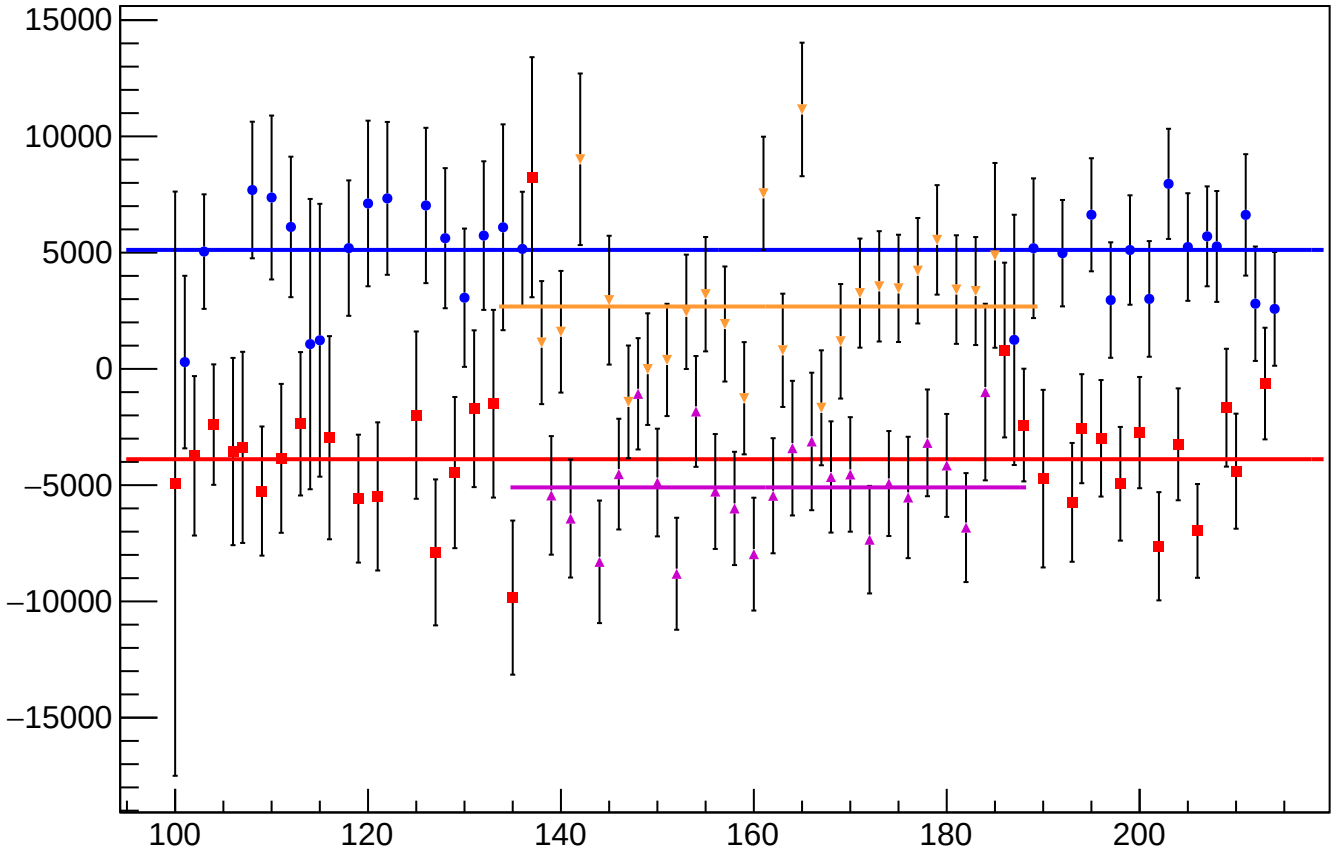
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10366.173+/-1.240 χ^2/NDF: 3172759.0/53

All: 9880.742+/-0.852 χ^2/NDF: 11834907.3/1

- sign 9445.631+/-1.174 χ^2/NDF: 8371482.6/54

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5117.621+/-515.636 χ^2/NDF: 11.7/29

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3884.400+/-515.071 χ^2/NDF: 24.0/31

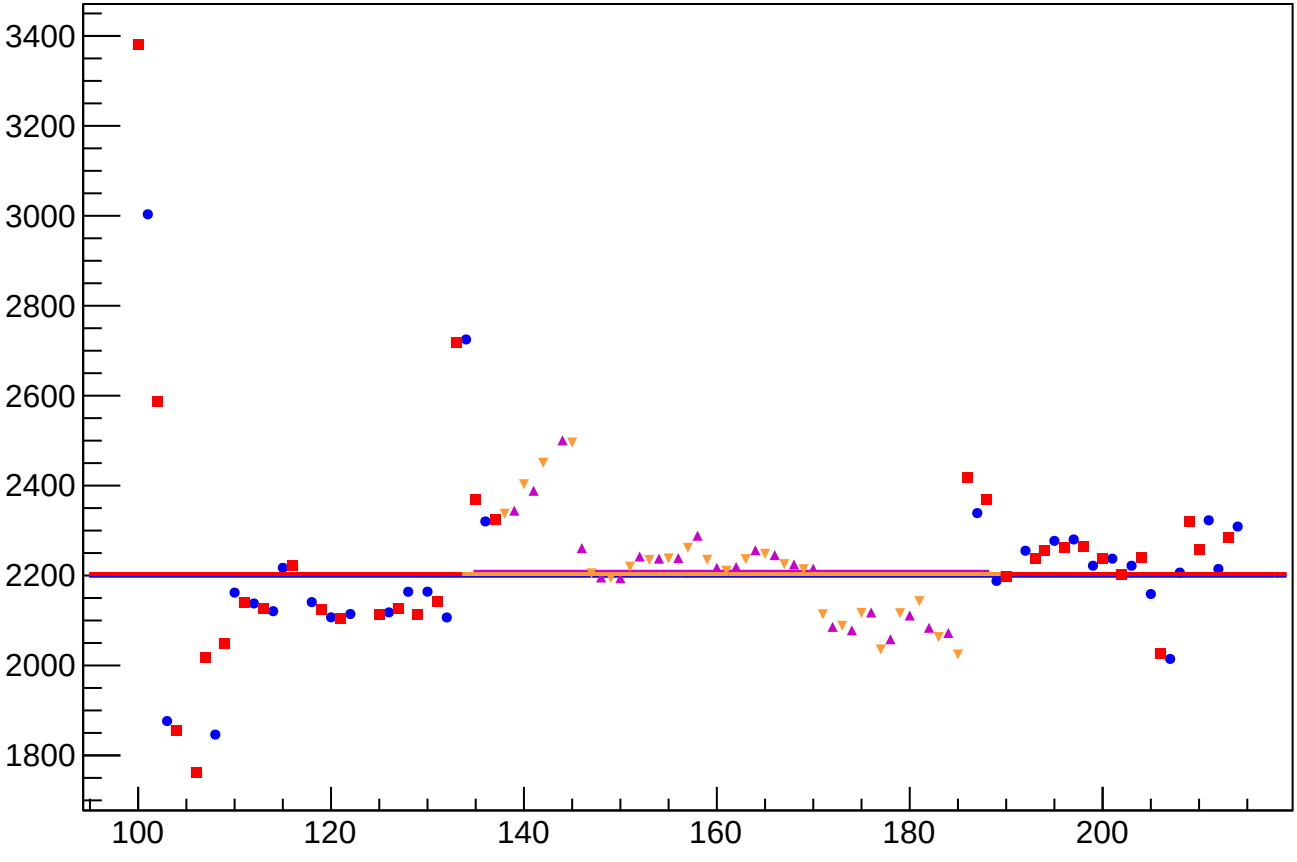
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.639+/-363.324 χ^2/NDF: 53.8/53

All: -283.768+/-257.366 χ^2/NDF: 360.5/108

- sign -4489.002+/-364.620 χ^2/NDF: 41.7/54

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.611+/-0.365 χ^2/NDF: 230055.2/29

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

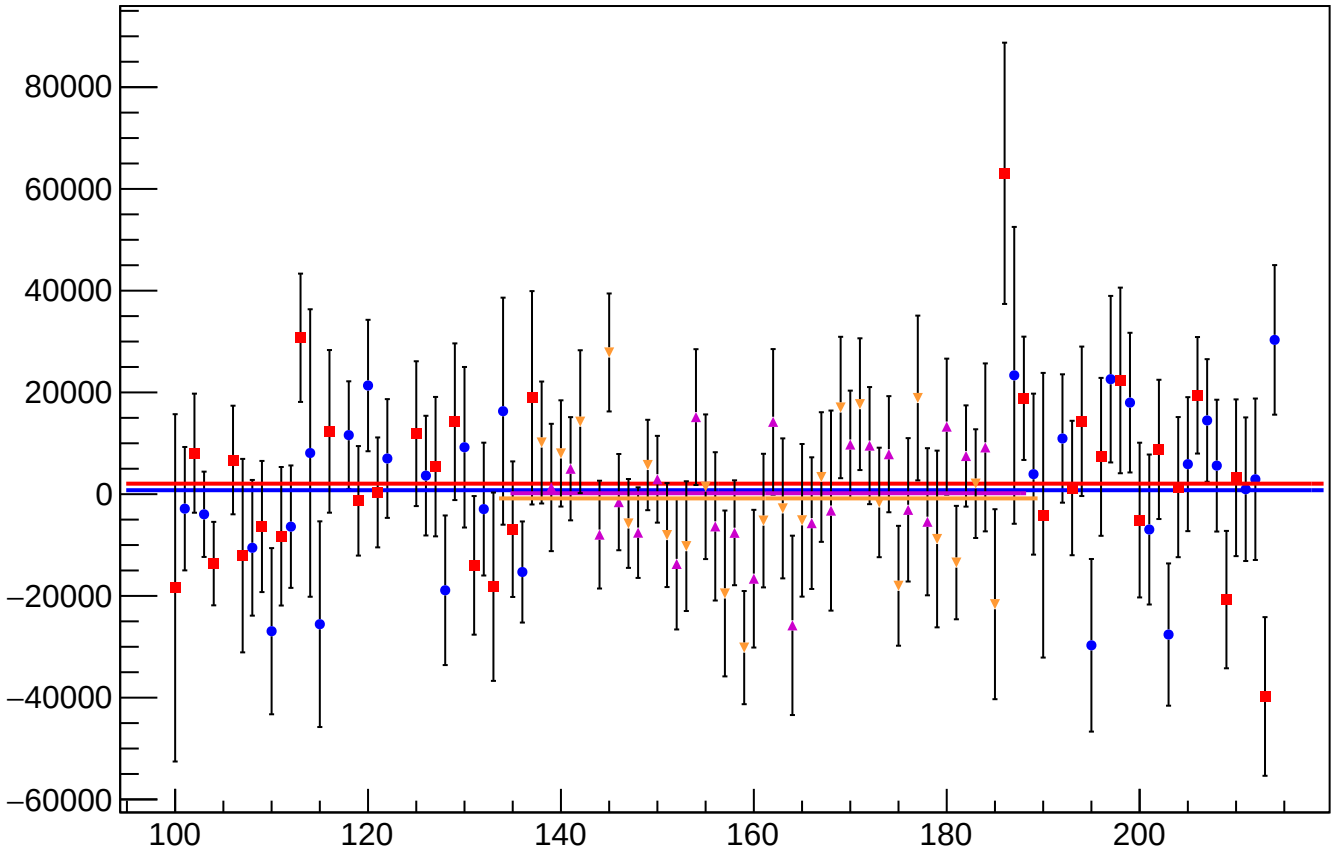
Right Out: 2203.466+/-0.363 χ^2/NDF: 210696.7/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.467+/-0.257 χ^2/NDF: 318314.9/53

All: 2203.684+/-0.182 χ^2/NDF: 610246.2/108

- sign 2205.912+/-0.258 χ^2/NDF: 291782.0/54



Right In: 777.870+/-2476.515 χ^2/NDF: 33.2/29

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

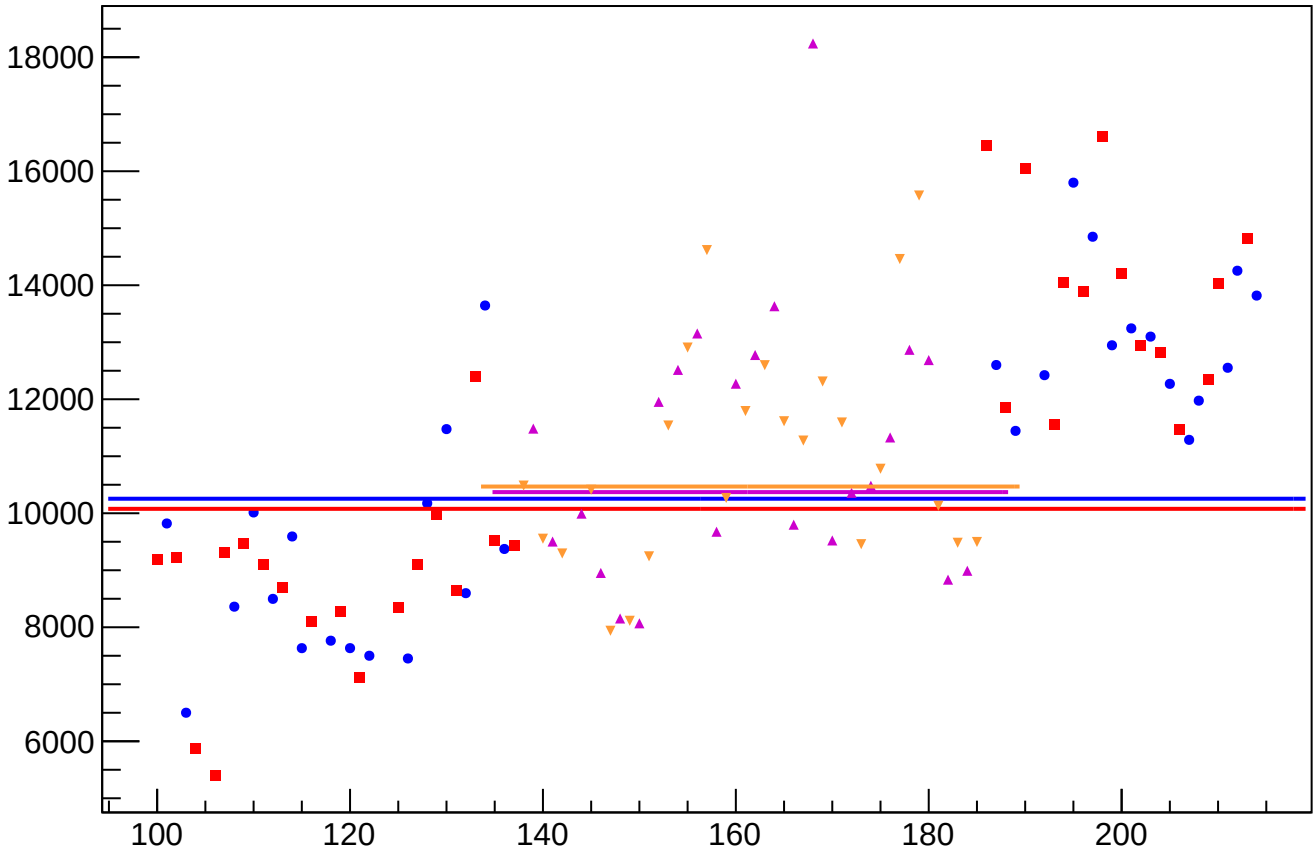
Right Out: 2064.666+/-2443.000 χ^2/NDF: 39.1/31

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -26.184+/-1752.909 χ^2/NDF: 62.9/53

All: 559.241+/-1233.958 χ^2/NDF: 116.2/108

- sign 1134.322+/-1737.354 χ^2/NDF: 53.1/54



Right In: 10254.881+/-1.751 χ^2/NDF: 2136667.6/29

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

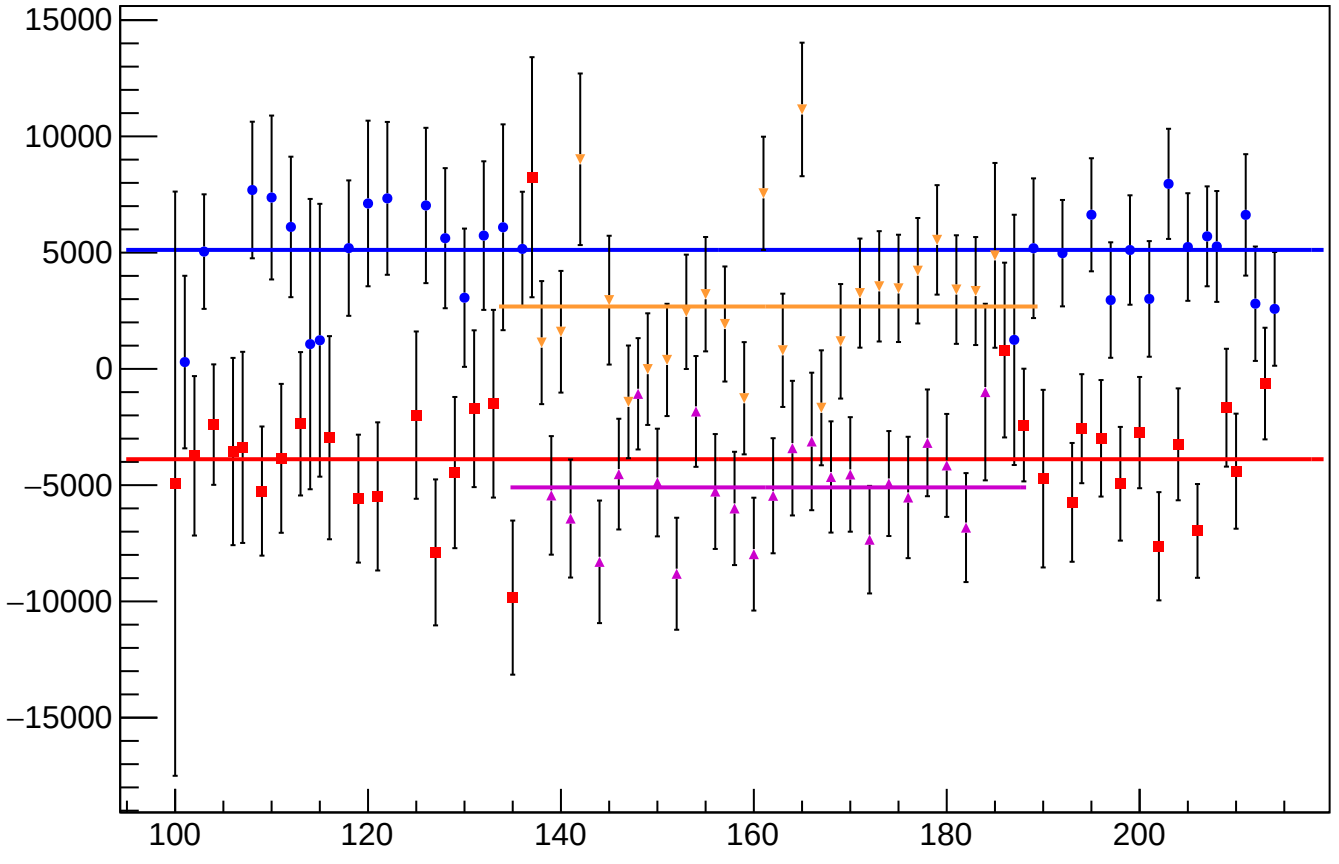
Right Out: 10077.495+/-1.727 χ^2/NDF: 2818555.3/31

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10361.565+/-1.239 χ^2/NDF: 3189364.0/53

All: 10291.416+/-0.873 χ^2/NDF: 7232289.7/1

- sign 10222.506+/-1.228 χ^2/NDF: 4036576.3/54



Right In: 5117.621+/-515.636 χ^2/NDF: 11.7/29

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3884.400+/-515.071 χ^2/NDF: 24.0/31

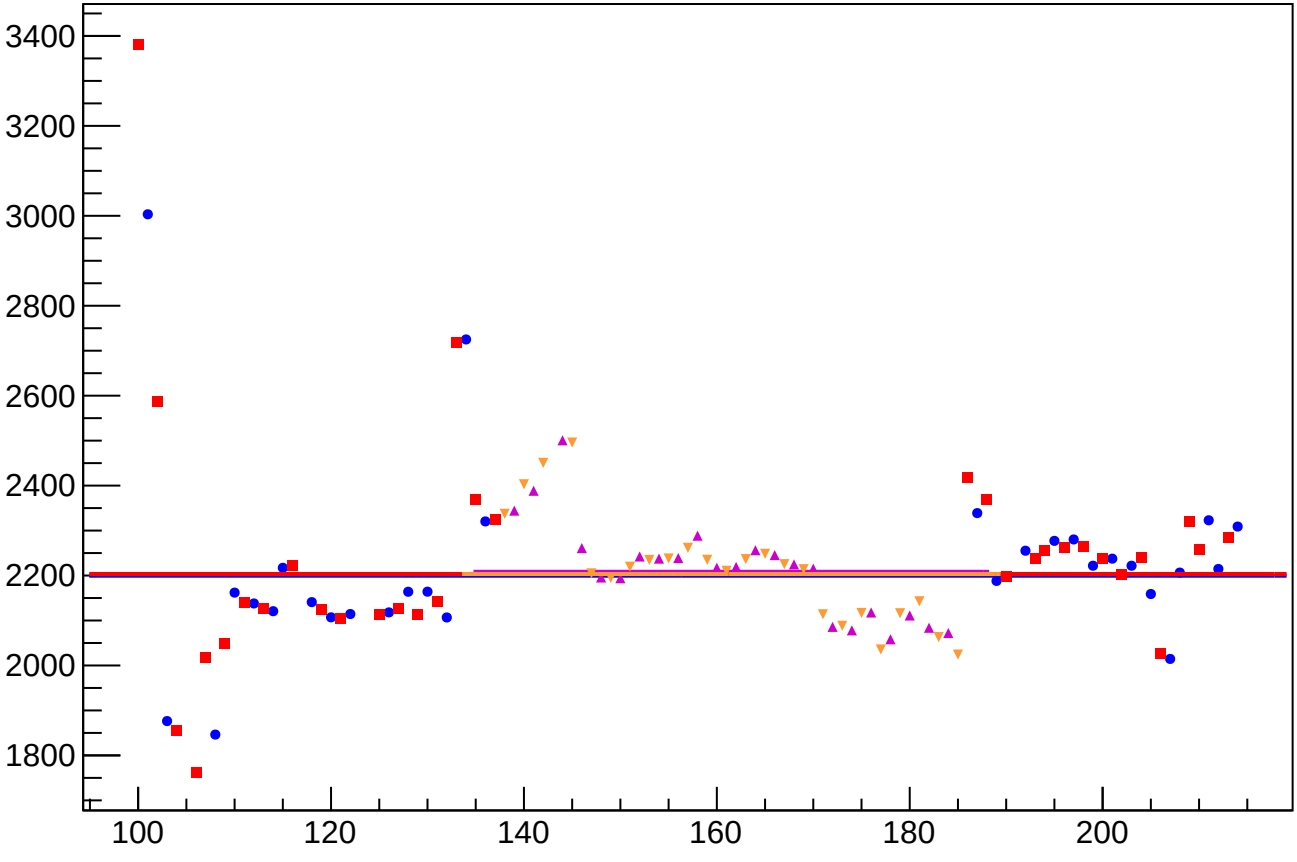
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3891.639+/-363.324 χ^2/NDF: 53.8/53

All: -283.768+/-257.366 χ^2/NDF: 360.5/108

- sign -4489.002+/-364.620 χ^2/NDF: 41.7/54

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.611+/-0.365 χ^2/NDF: 230055.2/29

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

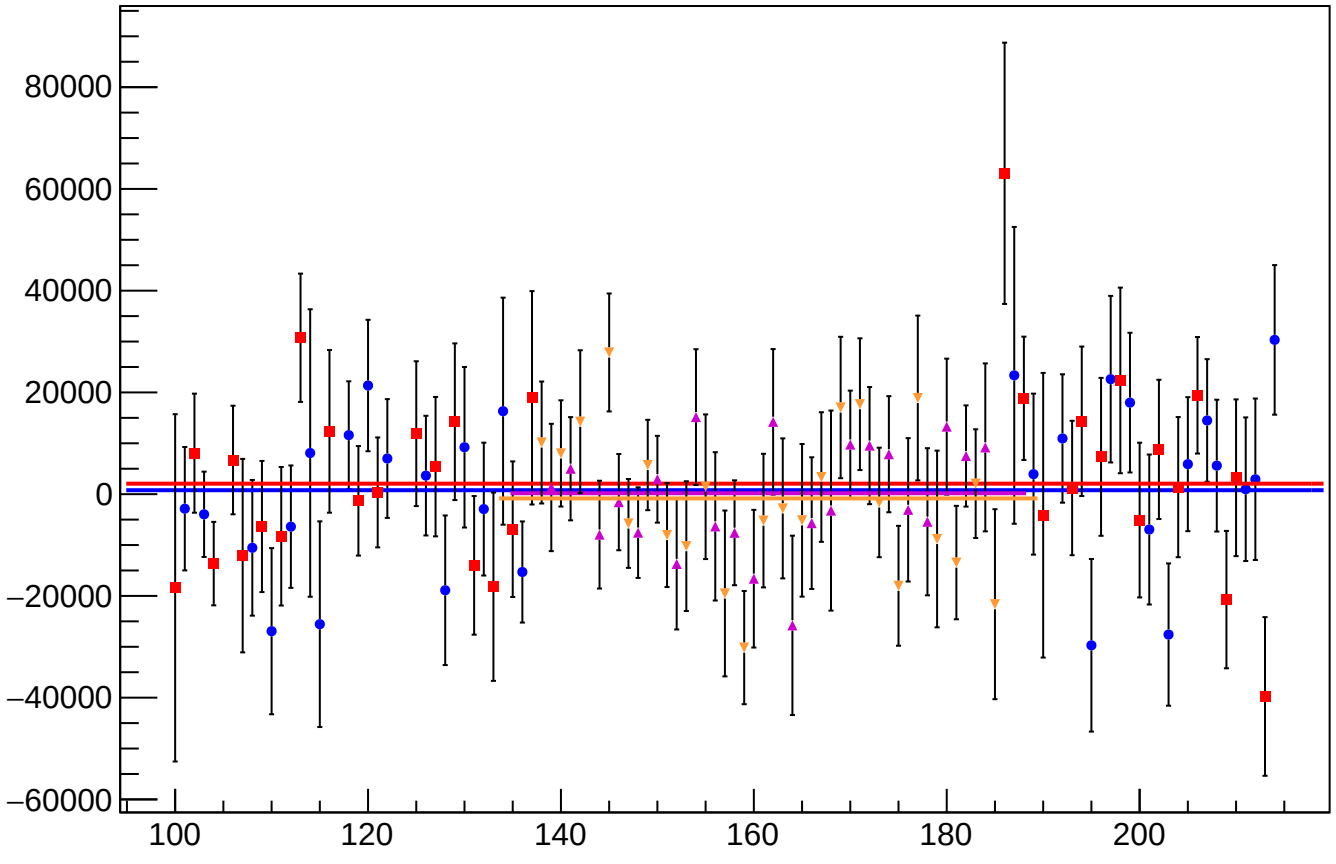
Right Out: 2203.466+/-0.363 χ^2/NDF: 210696.7/31

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.467+/-0.257 χ^2/NDF: 318314.9/53

All: 2203.684+/-0.182 χ^2/NDF: 610246.2/108

- sign 2205.912+/-0.258 χ^2/NDF: 291782.0/54



Right In: 777.870+/-2476.515 χ^2/NDF: 33.2/29

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

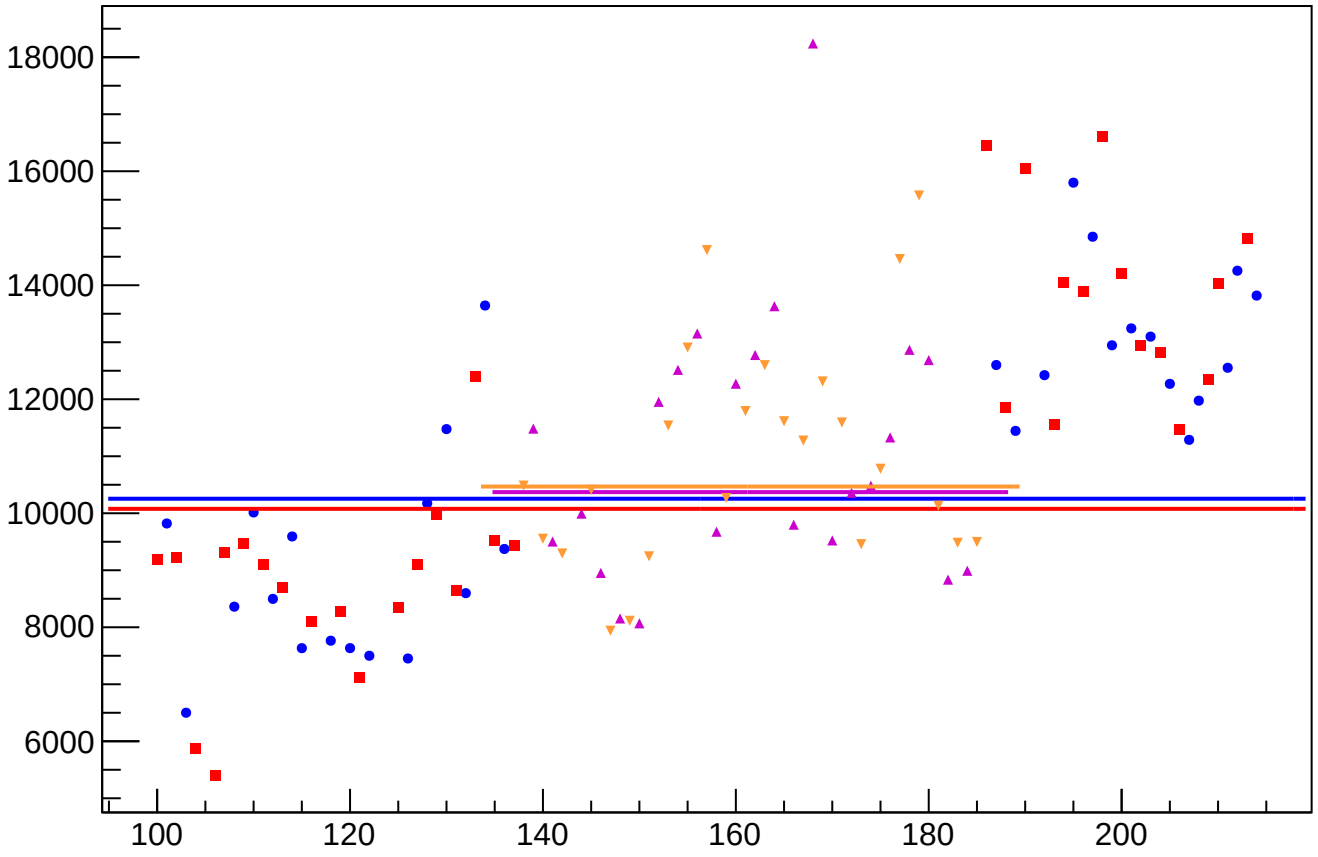
Right Out: 2064.666+/-2443.000 χ^2/NDF: 39.1/31

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -26.184+/-1752.909 χ^2/NDF: 62.9/53

All: 559.241+/-1233.958 χ^2/NDF: 116.2/108

- sign 1134.322+/-1737.354 χ^2/NDF: 53.1/54



Right In: 10254.881+/-1.751 χ^2/NDF: 2136667.6/29

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10077.495+/-1.727 χ^2/NDF: 2818555.3/31

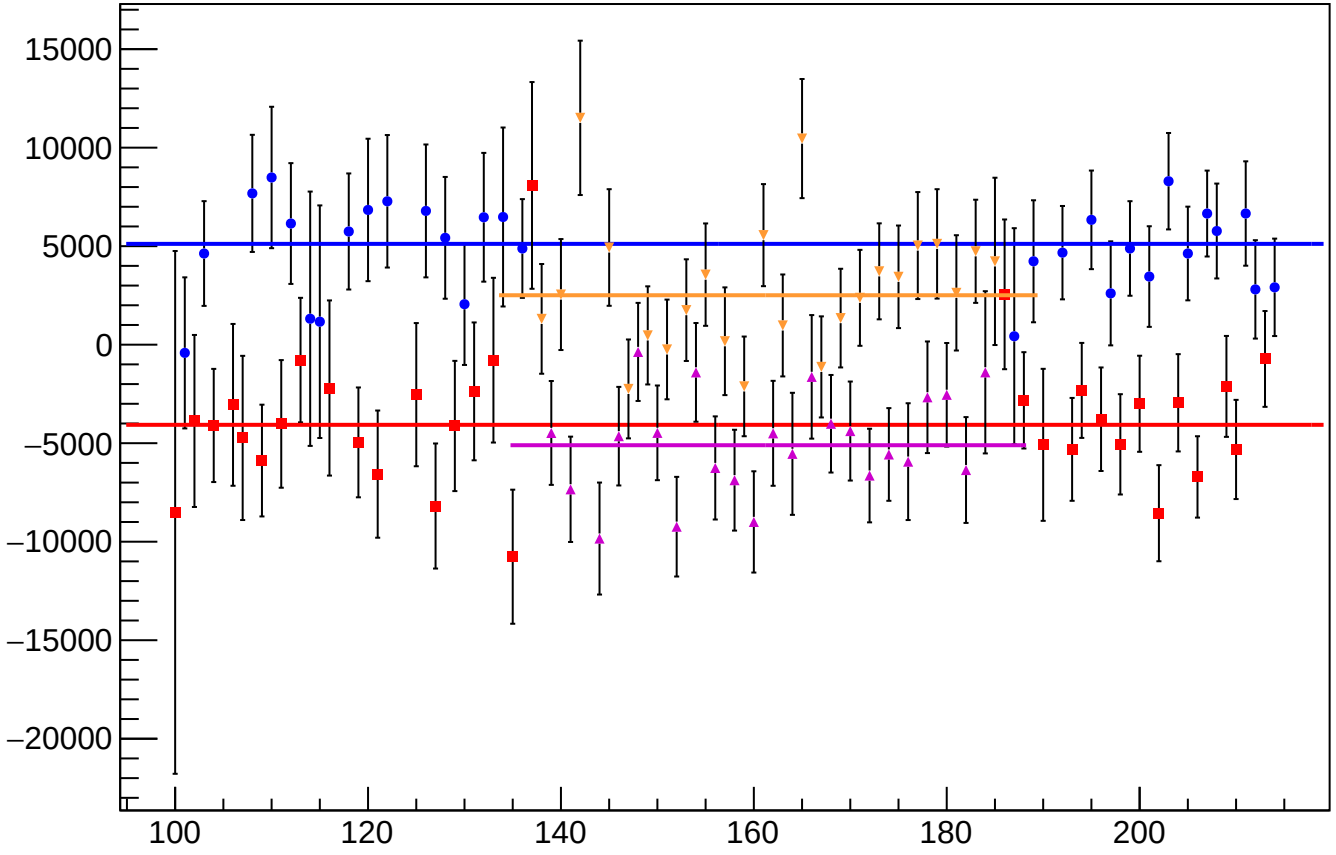
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10361.565+/-1.239 χ^2/NDF: 3189364.0/53

All: 10291.416+/-0.873 χ^2/NDF: 7232289.7/1

- sign 10222.506+/-1.228 χ^2/NDF: 4036576.3/54

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5116.614+/-528.676 χ^2/NDF: 13.6/29

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4067.803+/-530.326 χ^2/NDF: 26.9/31

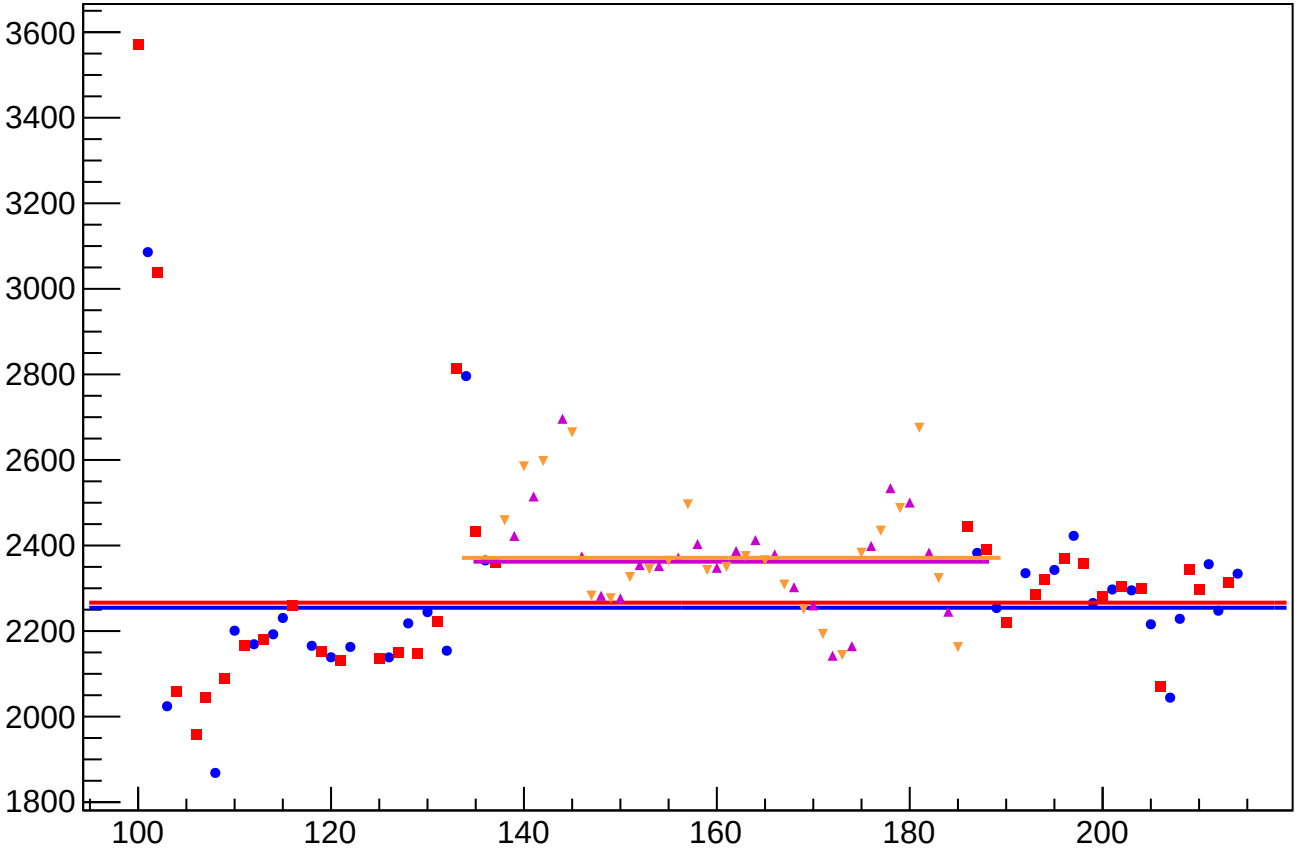
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3868.107+/-381.678 χ^2/NDF: 55.0/53

All: -337.576+/-270.221 χ^2/NDF: 347.1/108

- sign -4564.131+/-382.624 χ^2/NDF: 48.7/54

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2254.504+/-0.374 χ^2/NDF: 226822.4/29

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

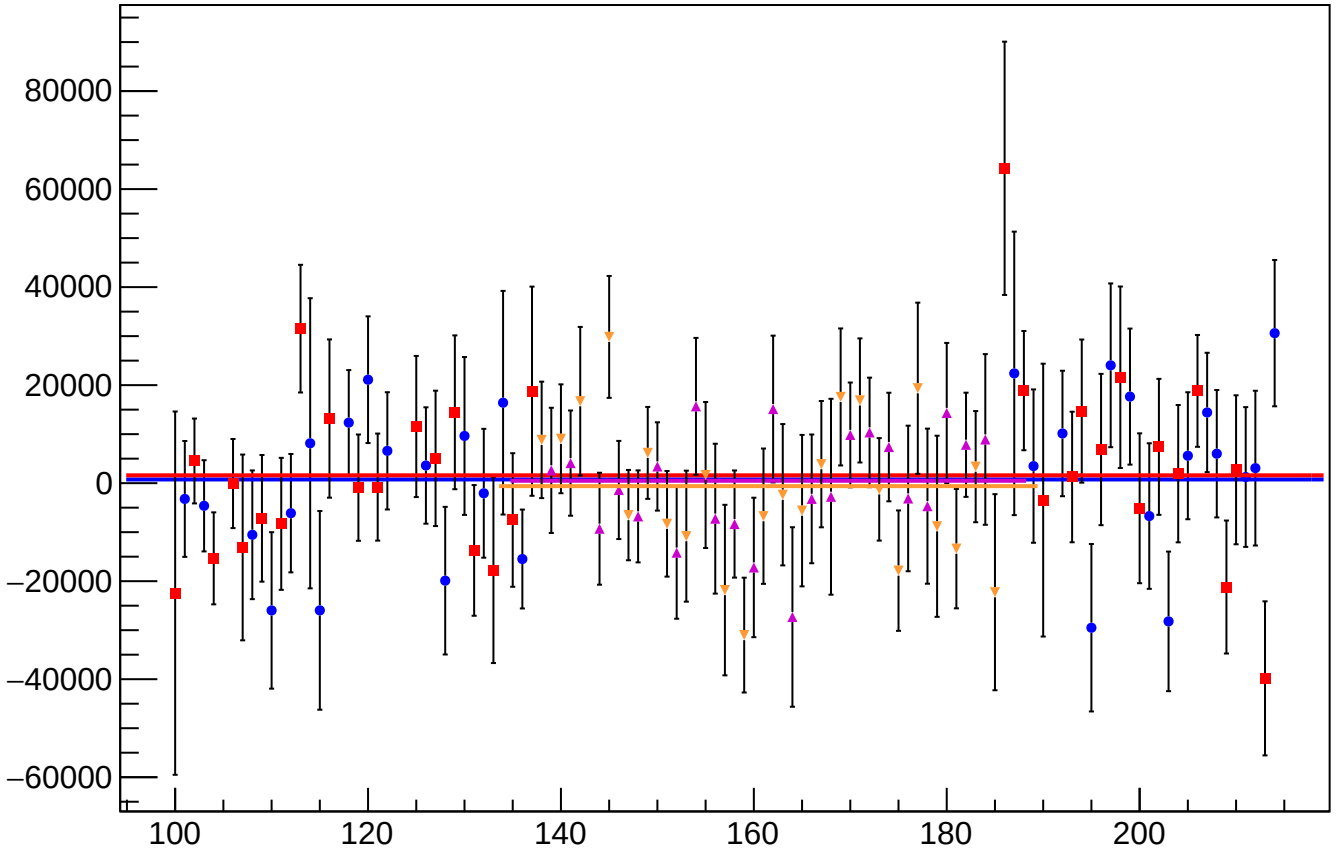
Right Out: 2266.399+/-0.375 χ^2/NDF: 214259.8/31

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2310.346+/-0.270 χ^2/NDF: 389724.3/53

All: 2311.335+/-0.191 χ^2/NDF: 727219.0/108

- sign 2312.328+/-0.271 χ^2/NDF: 337467.9/54



Right In: 752.965+/-2511.737 χ^2/NDF: 33.0/29

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

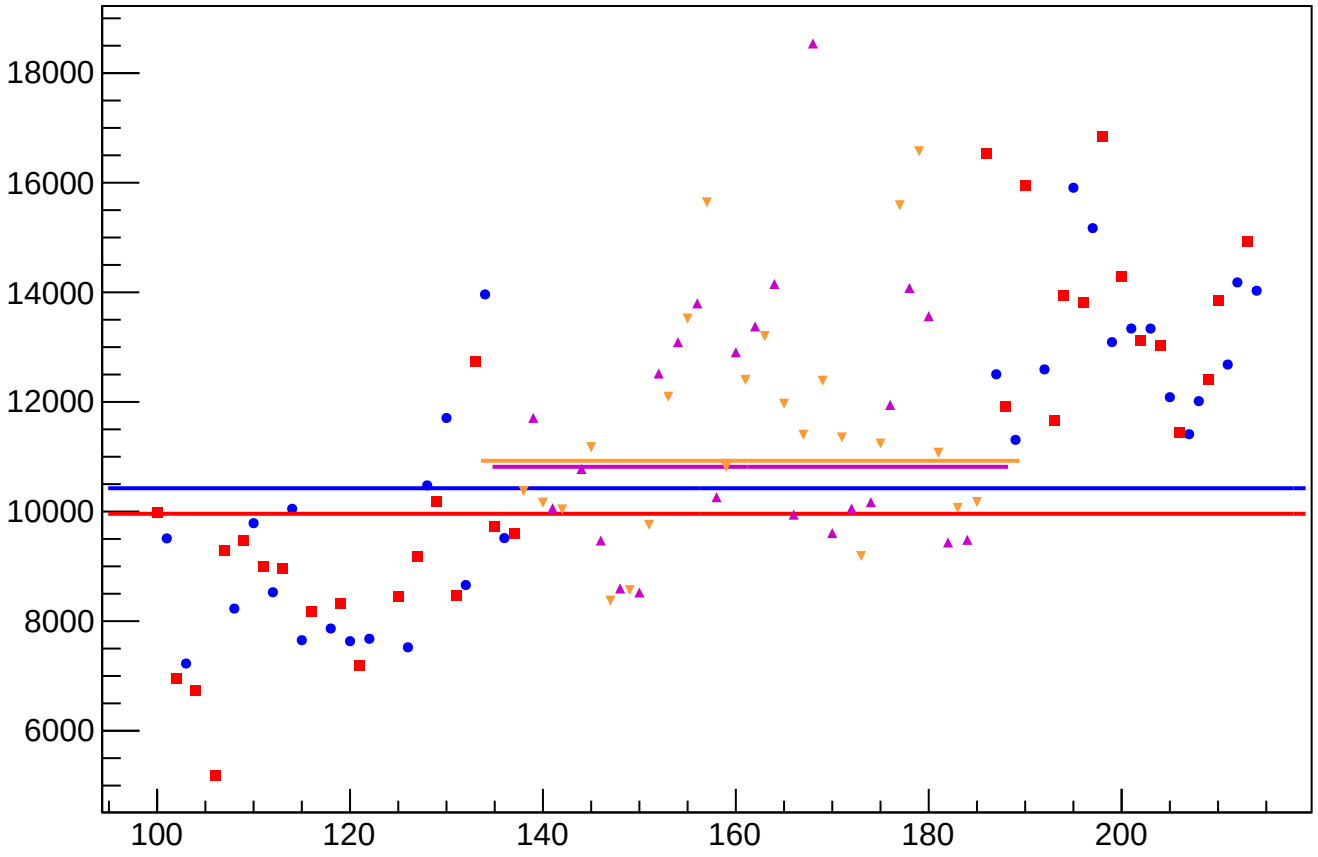
Right Out: 1599.487+/-2414.209 χ^2/NDF: 38.4/31

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign 93.197+/-1803.073 χ^2/NDF: 62.0/53

All: 598.480+/-1260.161 χ^2/NDF: 114.3/108

- sign 1080.958+/-1761.913 χ^2/NDF: 52.1/54



Right In: 10425.349+/-1.776 χ^2/NDF: 1971742.0/29

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

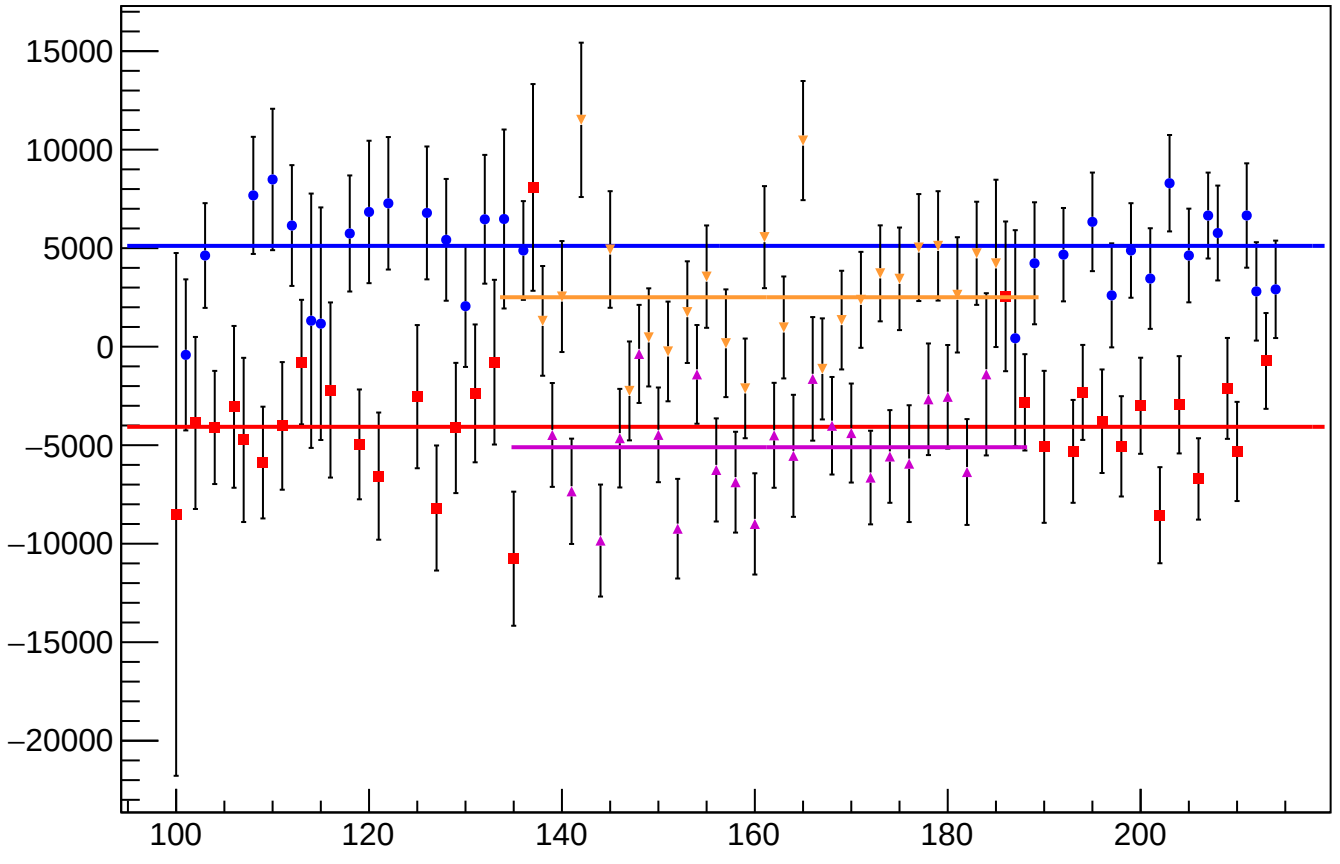
Right Out: 9959.492+/-1.707 χ^2/NDF: 2998611.5/31

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10668.421+/-1.275 χ^2/NDF: 3067718.4/53

All: 10510.627+/-0.891 χ^2/NDF: 7410837.6/1

- sign 10359.954+/-1.246 χ^2/NDF: 4313175.7/54



Right In: 5116.611+/-528.676 χ^2/NDF: 13.6/29

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4067.800+/-530.326 χ^2/NDF: 26.9/31

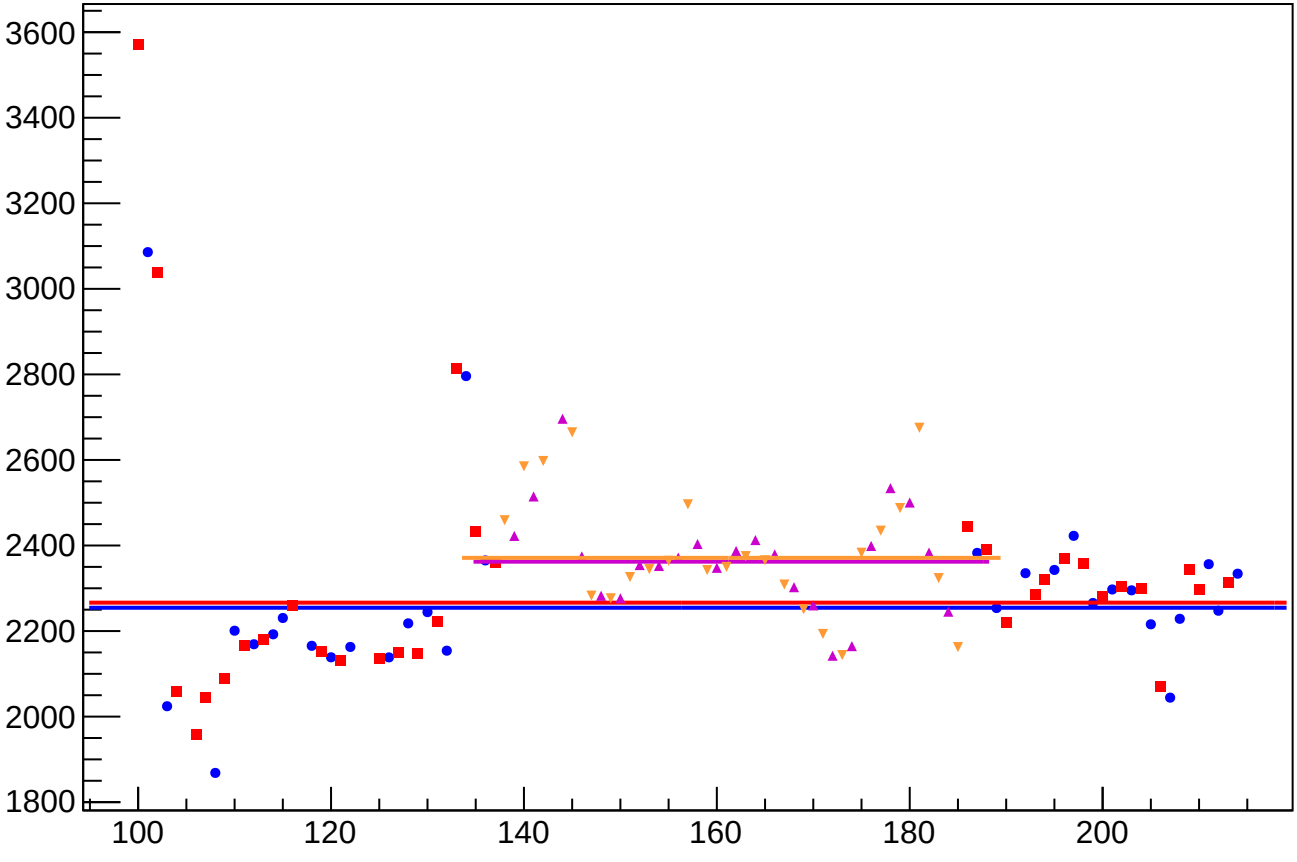
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3868.101+/-381.678 χ^2/NDF: 55.0/53

All: -337.579+/-270.221 χ^2/NDF: 347.1/108

- sign -4564.130+/-382.624 χ^2/NDF: 48.7/54

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2254.504+/-0.374 χ^2/NDF: 226822.8/29

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

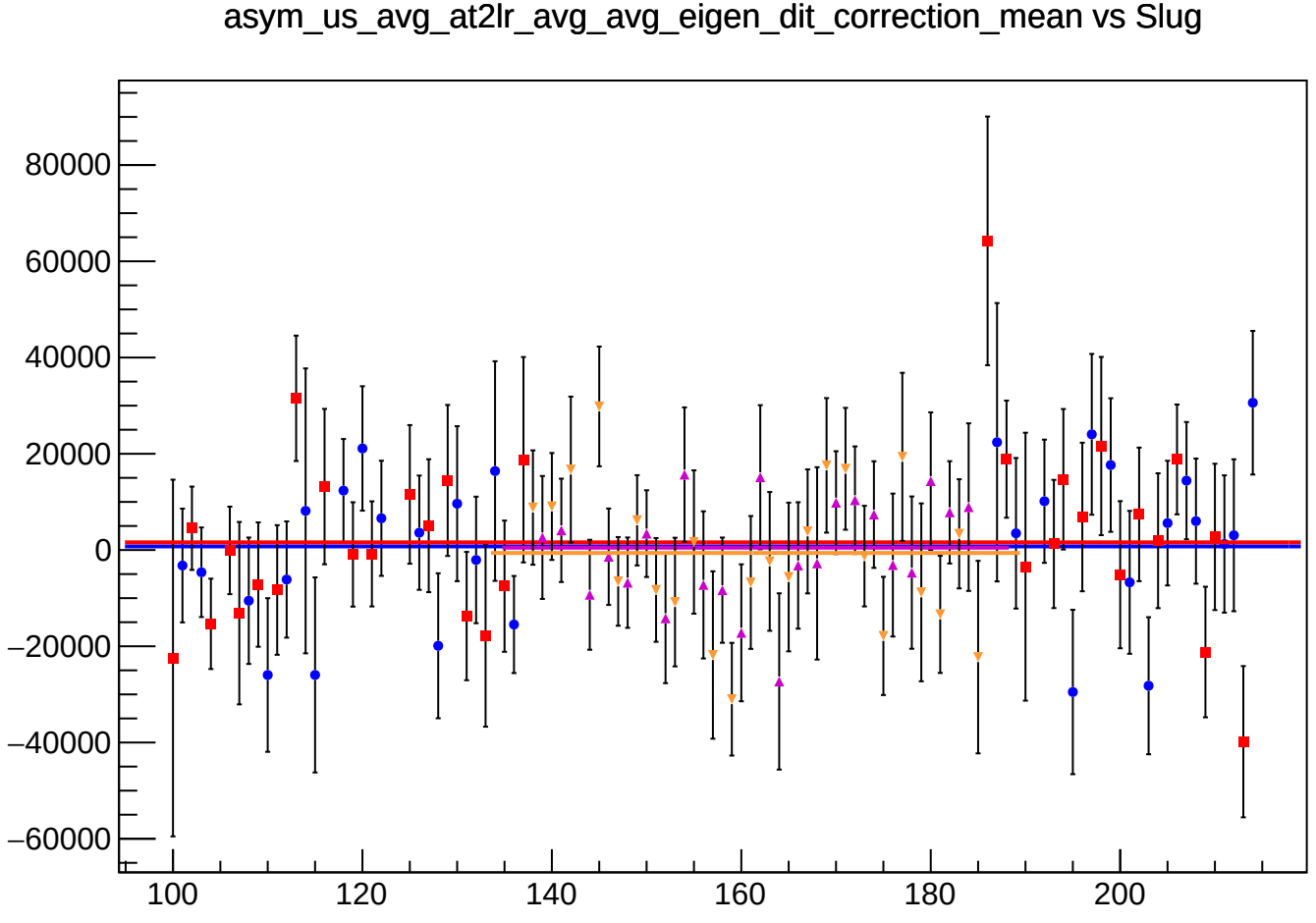
Right Out: 2266.399+/-0.375 χ^2/NDF: 214260.3/31

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2310.348+/-0.270 χ^2/NDF: 389731.6/53

All: 2311.336+/-0.191 χ^2/NDF: 727233.6/108

- sign 2312.330+/-0.271 χ^2/NDF: 337475.1/54



Right In: 752.969+/-2511.736 χ^2/NDF: 33.0/29

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

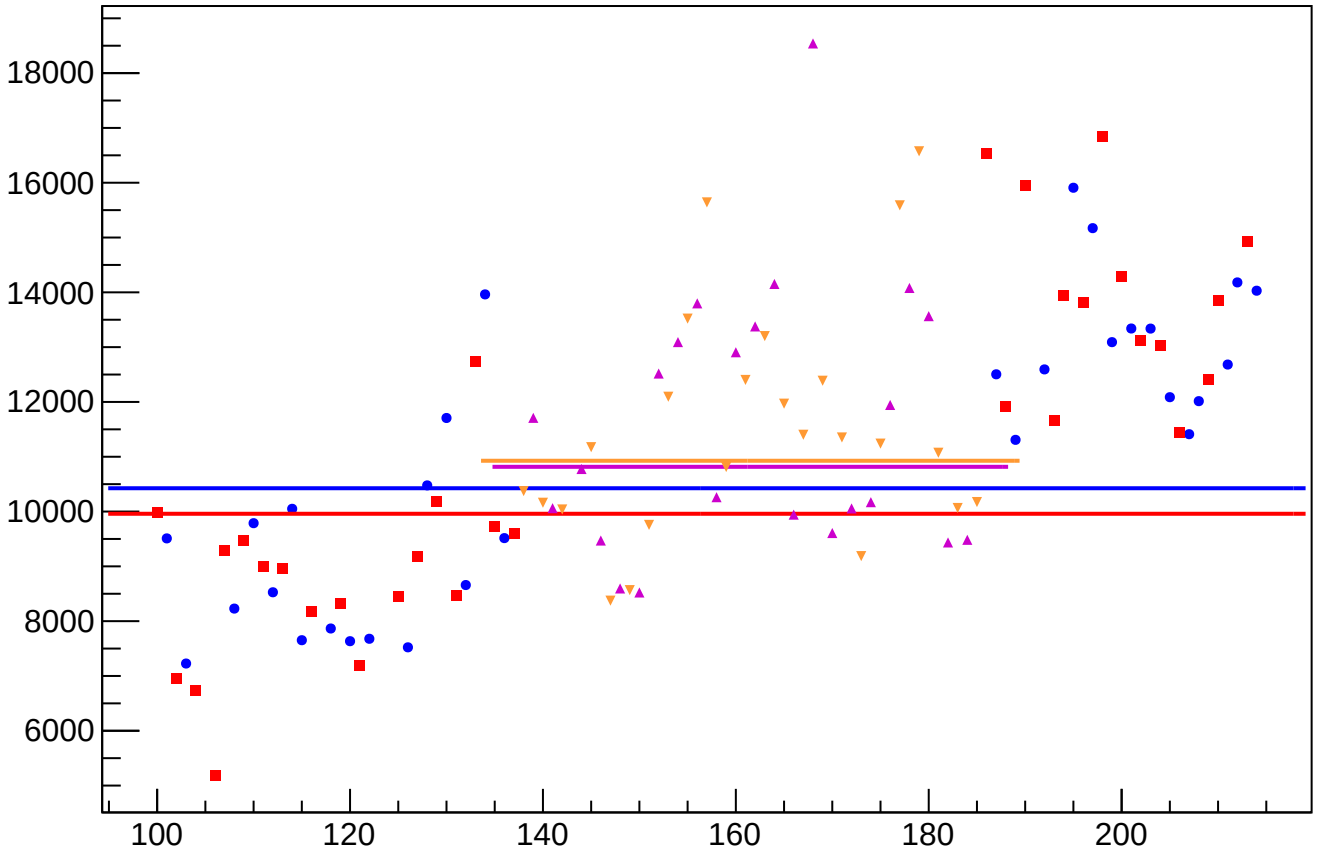
Right Out: 1599.477+/-2414.206 χ^2/NDF: 38.4/31

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign 93.197+/-1803.074 χ^2/NDF: 62.0/53

All: 598.479+/-1260.161 χ^2/NDF: 114.3/108

- sign 1080.955+/-1761.913 χ^2/NDF: 52.1/54



Right In: 10425.338+/-1.776 χ^2/NDF: 1971773.8/29

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9959.479+/-1.707 χ^2/NDF: 2998638.5/31

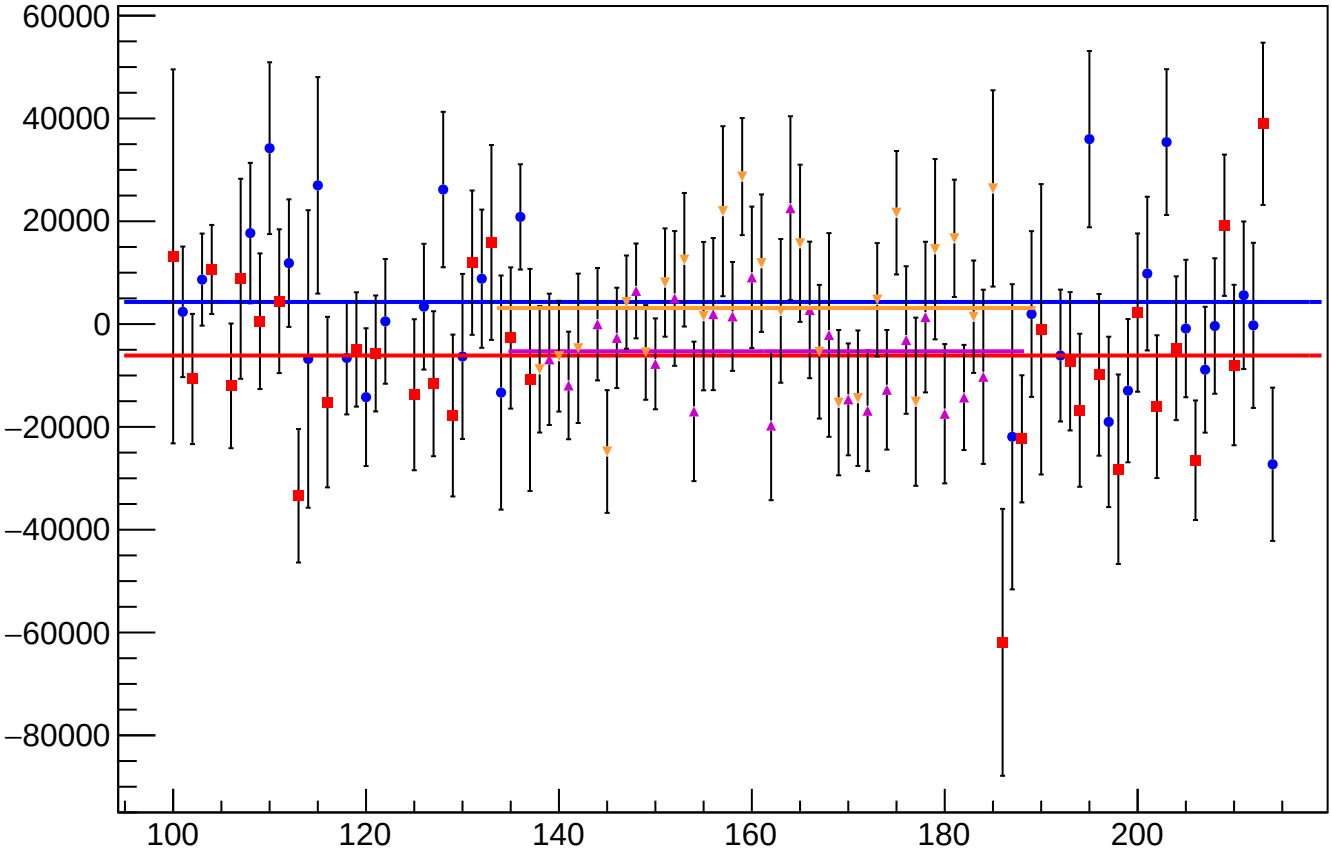
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10668.423+/-1.275 χ^2/NDF: 3067757.1/53

All: 10510.628+/-0.891 χ^2/NDF: 7410915.4/1

- sign 10359.954+/-1.246 χ^2/NDF: 4313214.4/54

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4305.052+/-2547.480 χ^2/NDF: 34.3/29

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -6115.145+/-2525.934 χ^2/NDF: 38.4/31

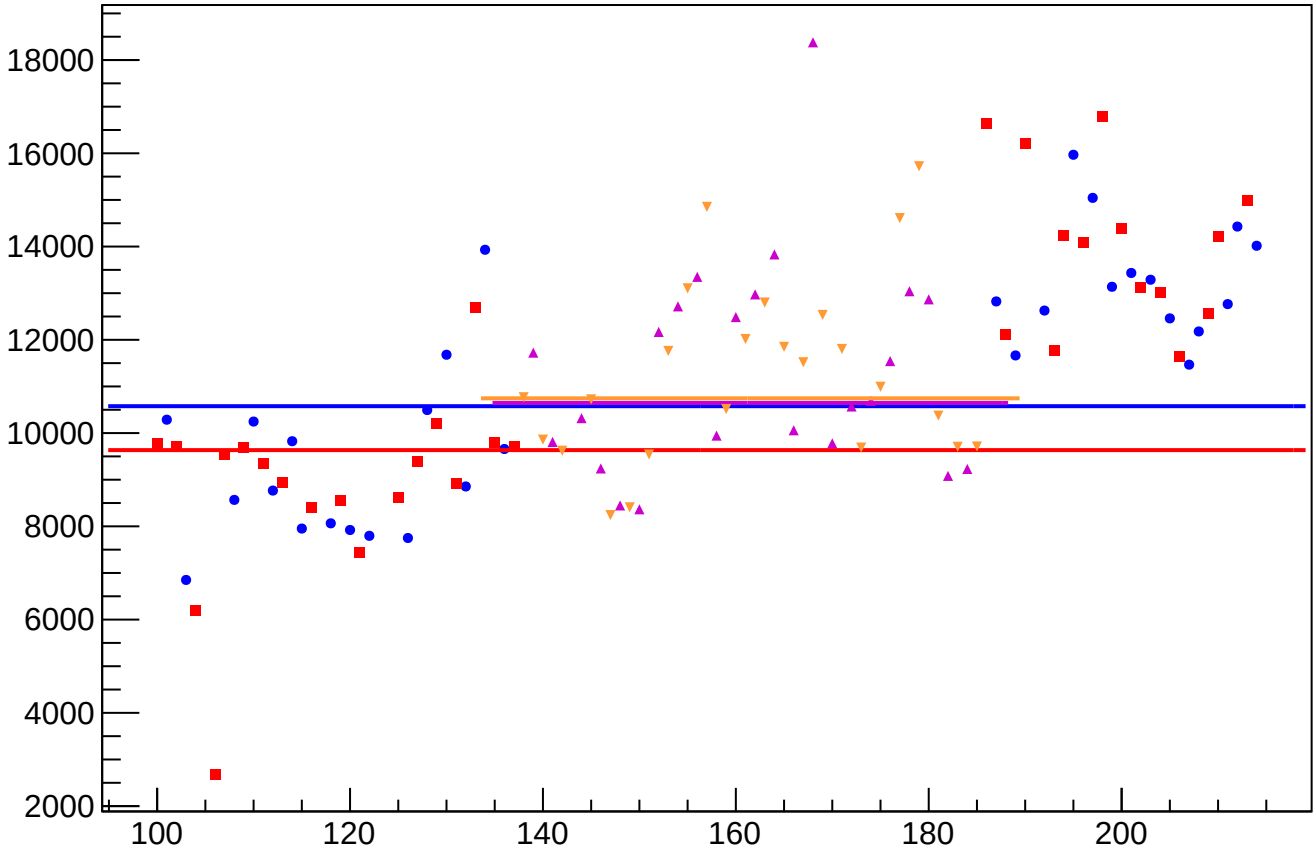
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

\+ sign 3711.029+/-1799.703 χ^2/NDF: 61.8/53

All: -1025.668+/-1268.637 χ^2/NDF: 127.4/10

\- sign -5704.082+/-1788.596 χ^2/NDF: 51.8/54

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10576.539+/-1.801 χ^2/NDF: 1939411.3/29

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

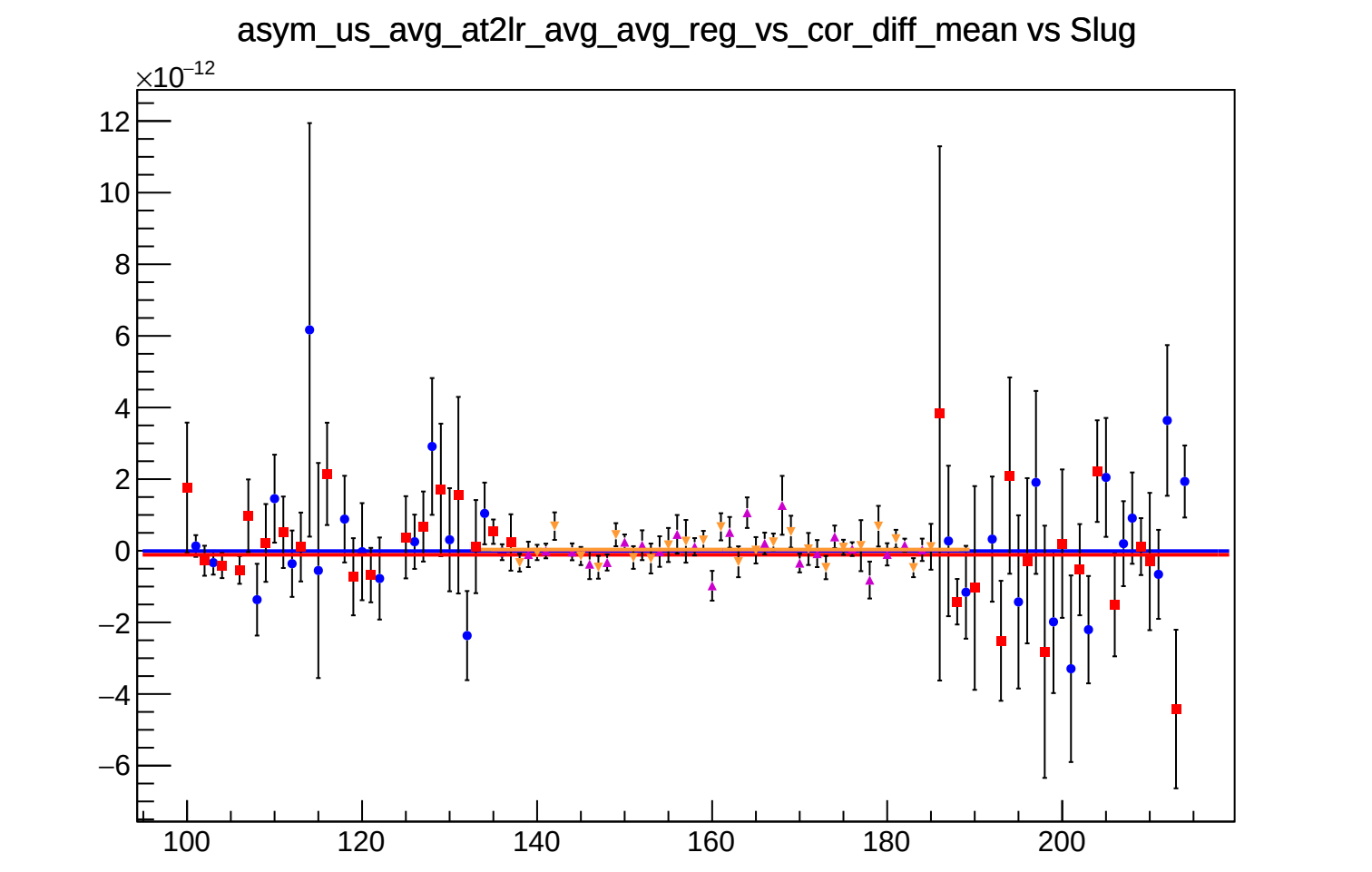
Right Out: 9634.586+/-1.705 χ^2/NDF: 4660580.8/31

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10661.088+/-1.273 χ^2/NDF: 2908427.6/53

All: 10380.159+/-0.886 χ^2/NDF: 8945144.0/1

- sign 10115.613+/-1.235 χ^2/NDF: 5942092.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

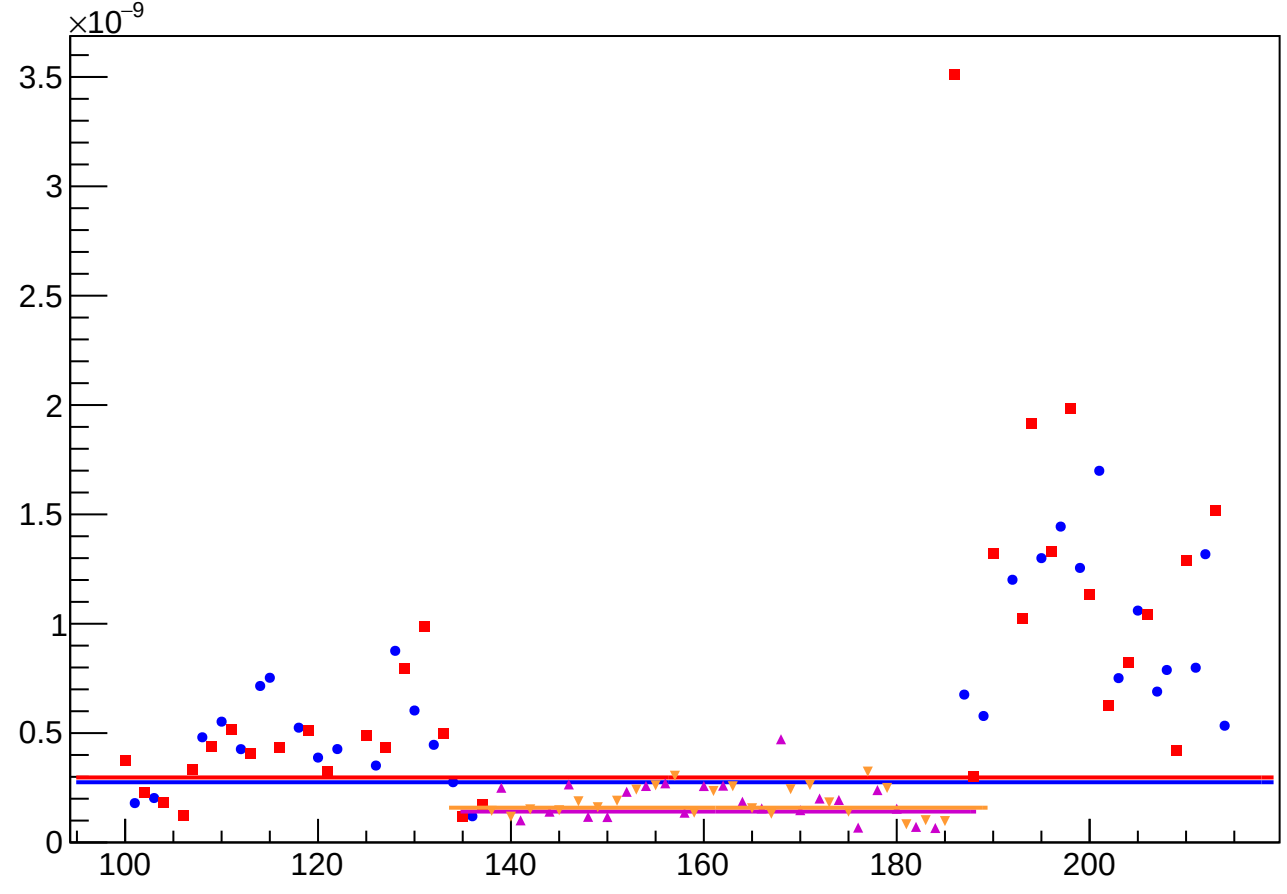
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/31

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/53

All: 0.000+/-0.000 χ^2/NDF: 114.8/108

- sign 0.000+/-0.000 χ^2/NDF: 58.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 6875165.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

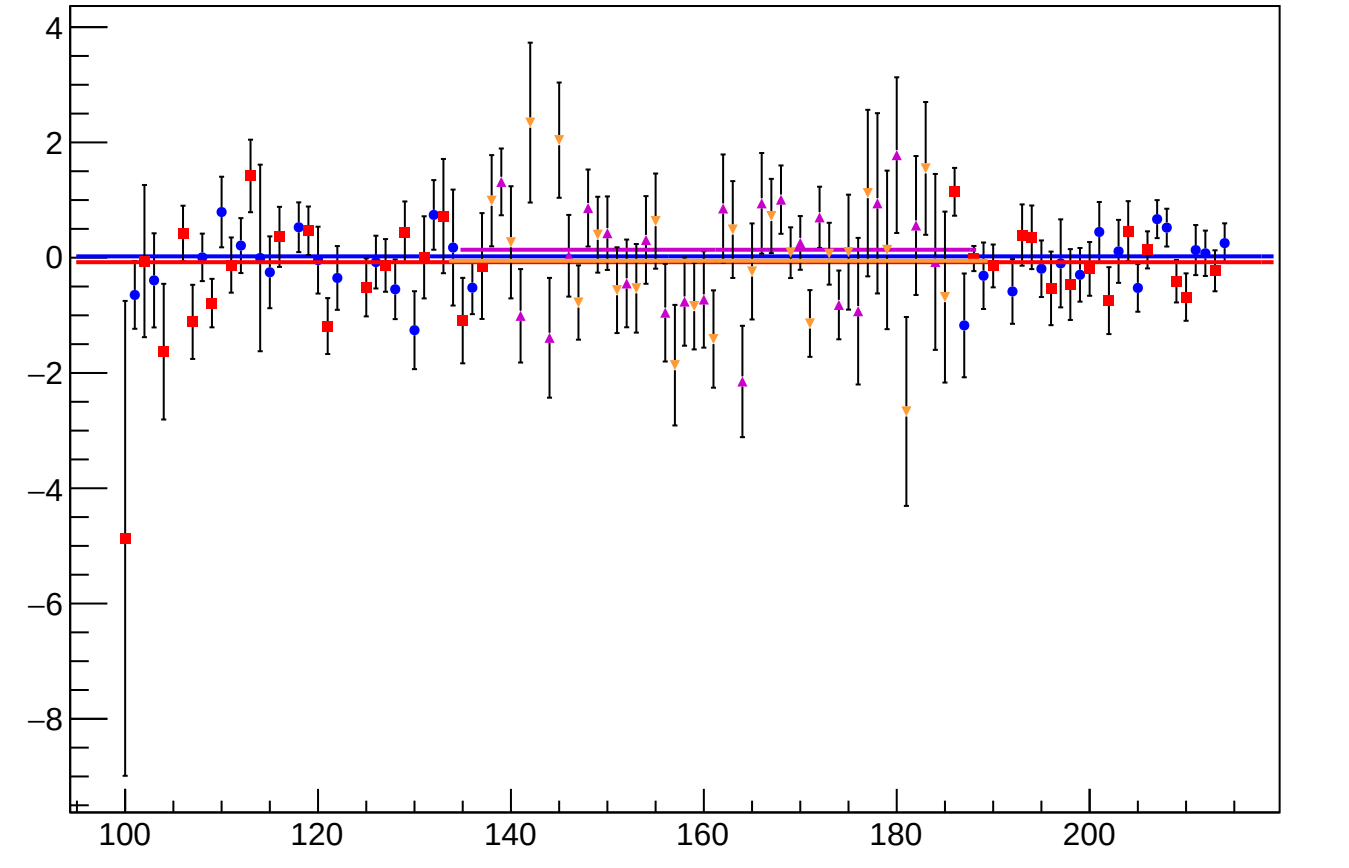
Right Out: 0.000+/-0.000 χ^2/NDF: 6961396.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9389662.2/53

All: 0.000+/-0.000 χ^2/NDF: 20817120.4/108

- sign 0.000+/-0.000 χ^2/NDF: 11344792.9/54



Right In: 0.023+/-0.091 χ^2/NDF: 26.1/29

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

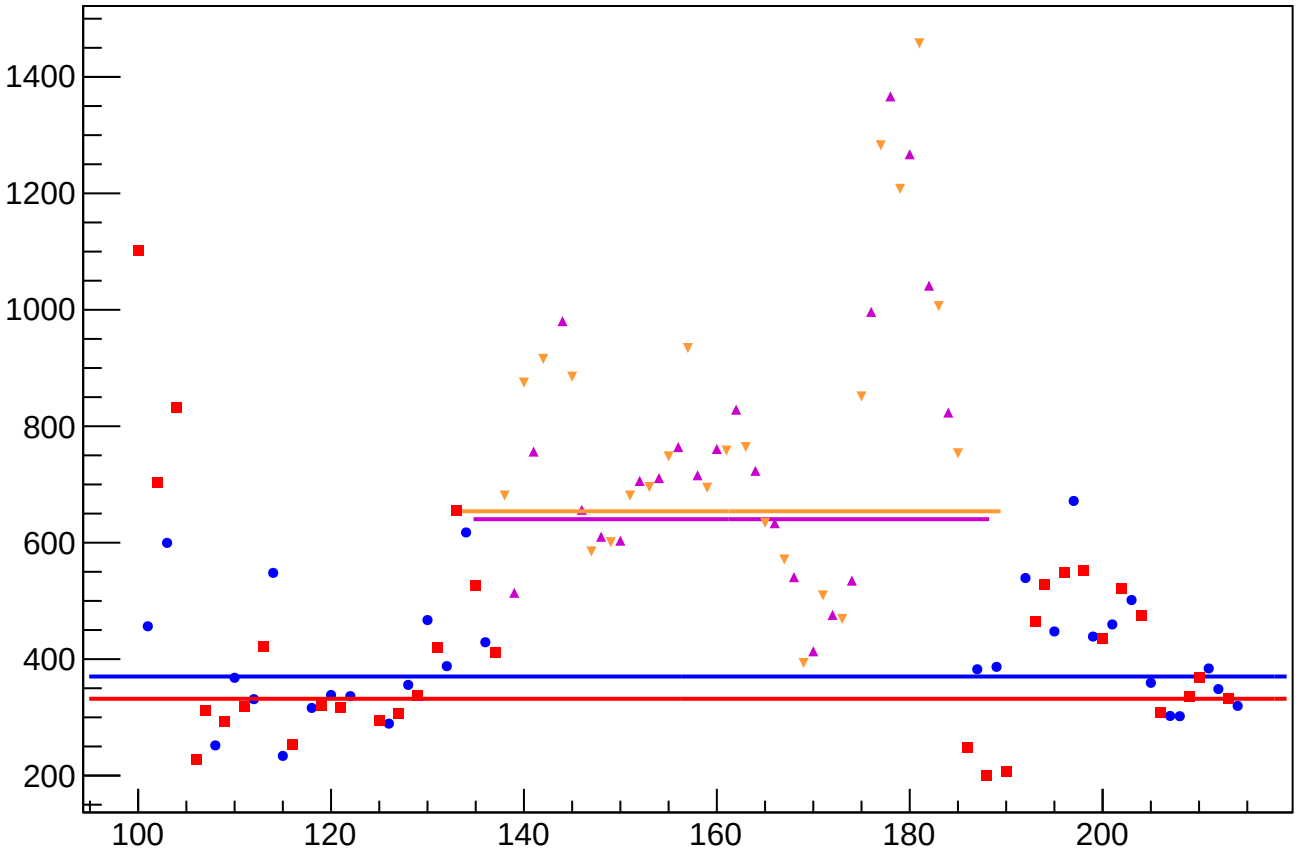
Right Out: -0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign 0.005+/-0.079 χ^2/NDF: 56.4/53

All: -0.014+/-0.054 χ^2/NDF: 132.3/108

- sign -0.030+/-0.074 χ^2/NDF: 75.7/54



Right In: 370.144+/-0.064 χ^2/NDF: 1792091.6/29

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

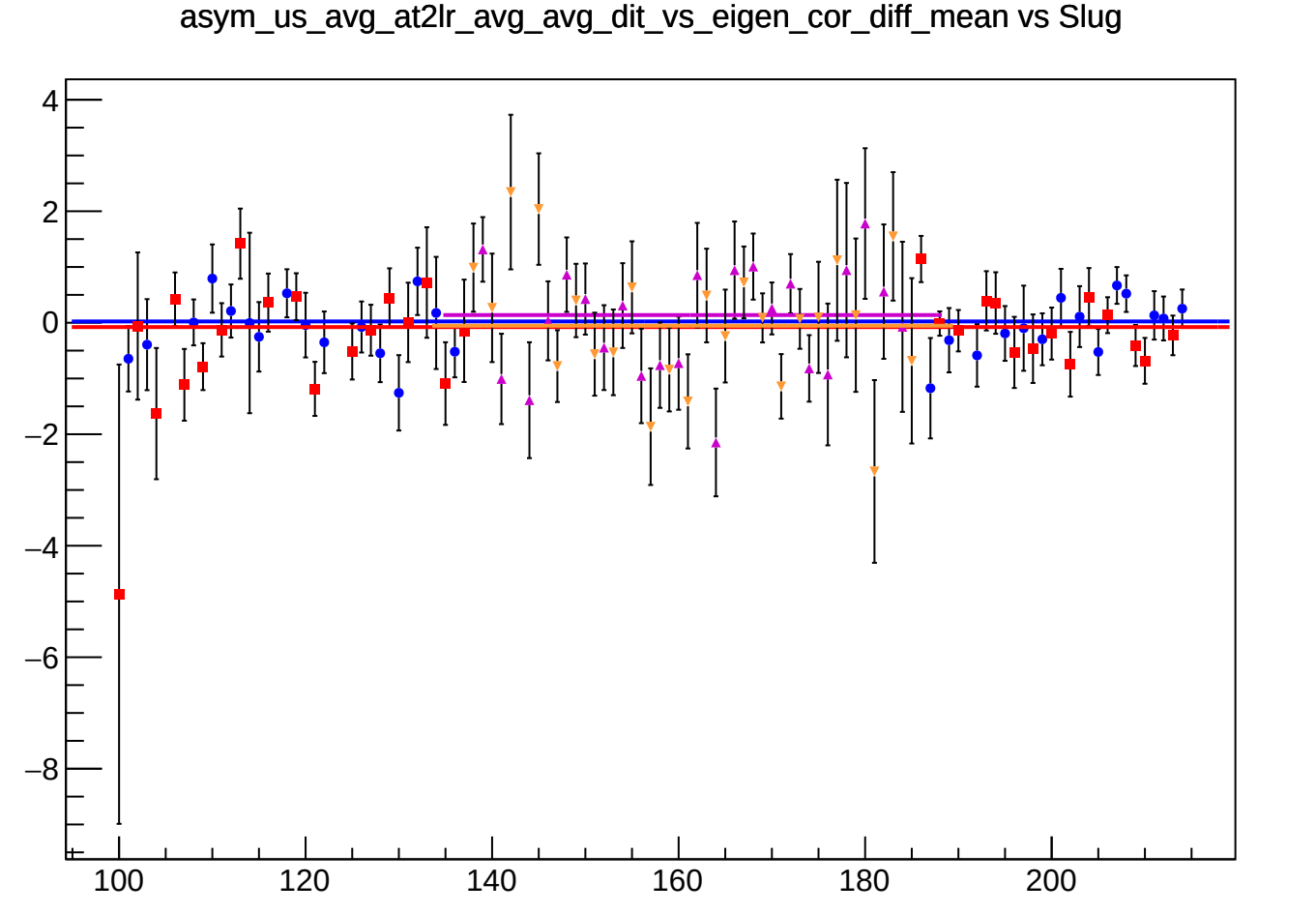
Right Out: 331.919+/-0.060 χ^2/NDF: 3606927.7/31

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 438.689+/-0.056 χ^2/NDF: 9610466.6/53

All: 418.301+/-0.038 χ^2/NDF: 22055900.1/10

- sign 400.367+/-0.053 χ^2/NDF: 12196874.4/54



Right In: 0.023+/-0.091 χ^2/NDF: 26.1/29

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

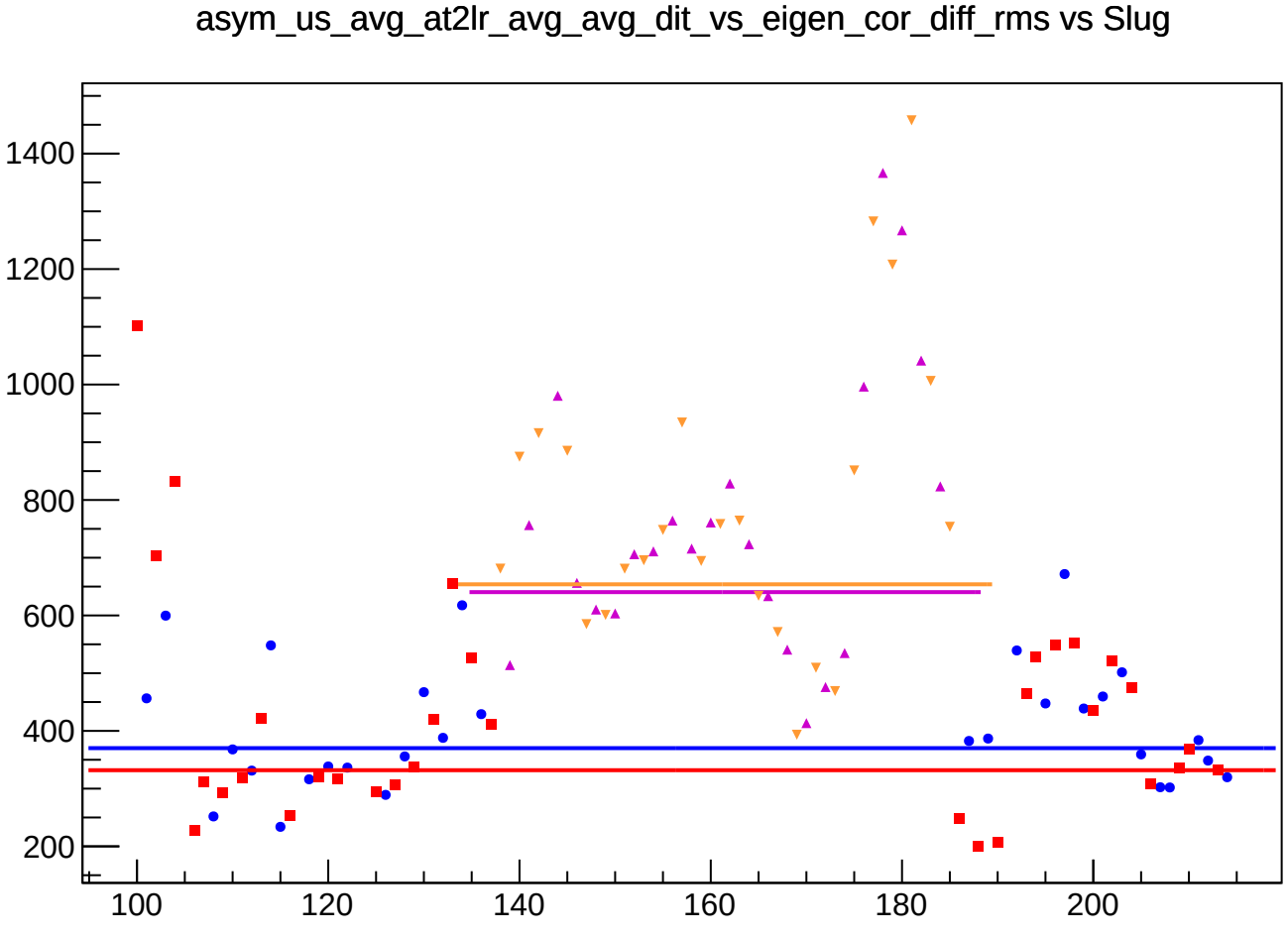
Right Out: -0.078+/-0.084 χ^2/NDF: 44.3/31

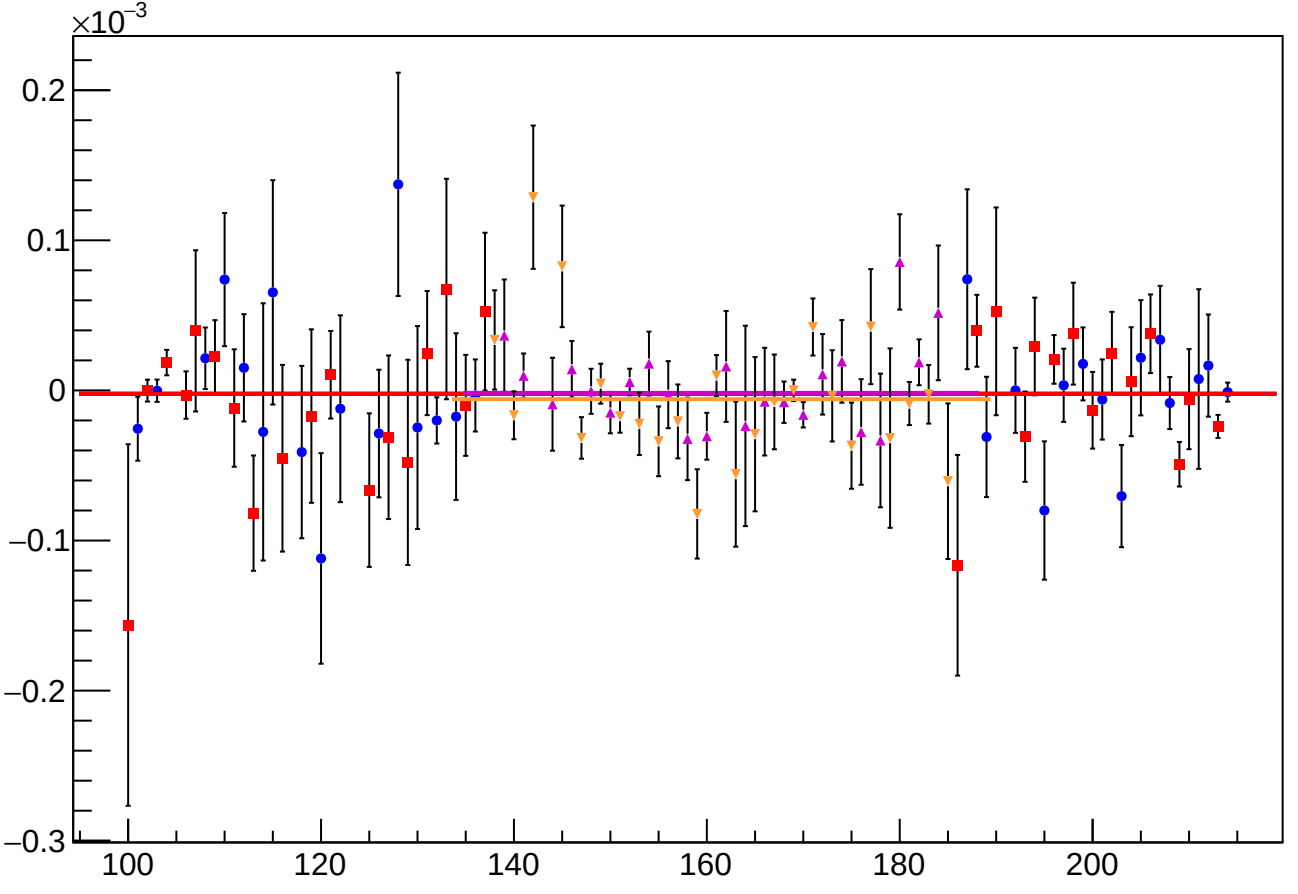
Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign 0.005+/-0.079 χ^2/NDF: 56.4/53

All: -0.014+/-0.054 χ^2/NDF: 132.3/108

- sign -0.030+/-0.074 χ^2/NDF: 75.7/54


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 370.144+/-0.064 χ²/NDF: 1792091.6/29
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 331.919+/-0.060 χ²/NDF: 3606927.7/31
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 438.689+/-0.056 χ²/NDF: 9610466.6/53
All: 418.301+/-0.038 χ²/NDF: 22055900.1/10
- sign 400.367+/-0.053 χ²/NDF: 12196874.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

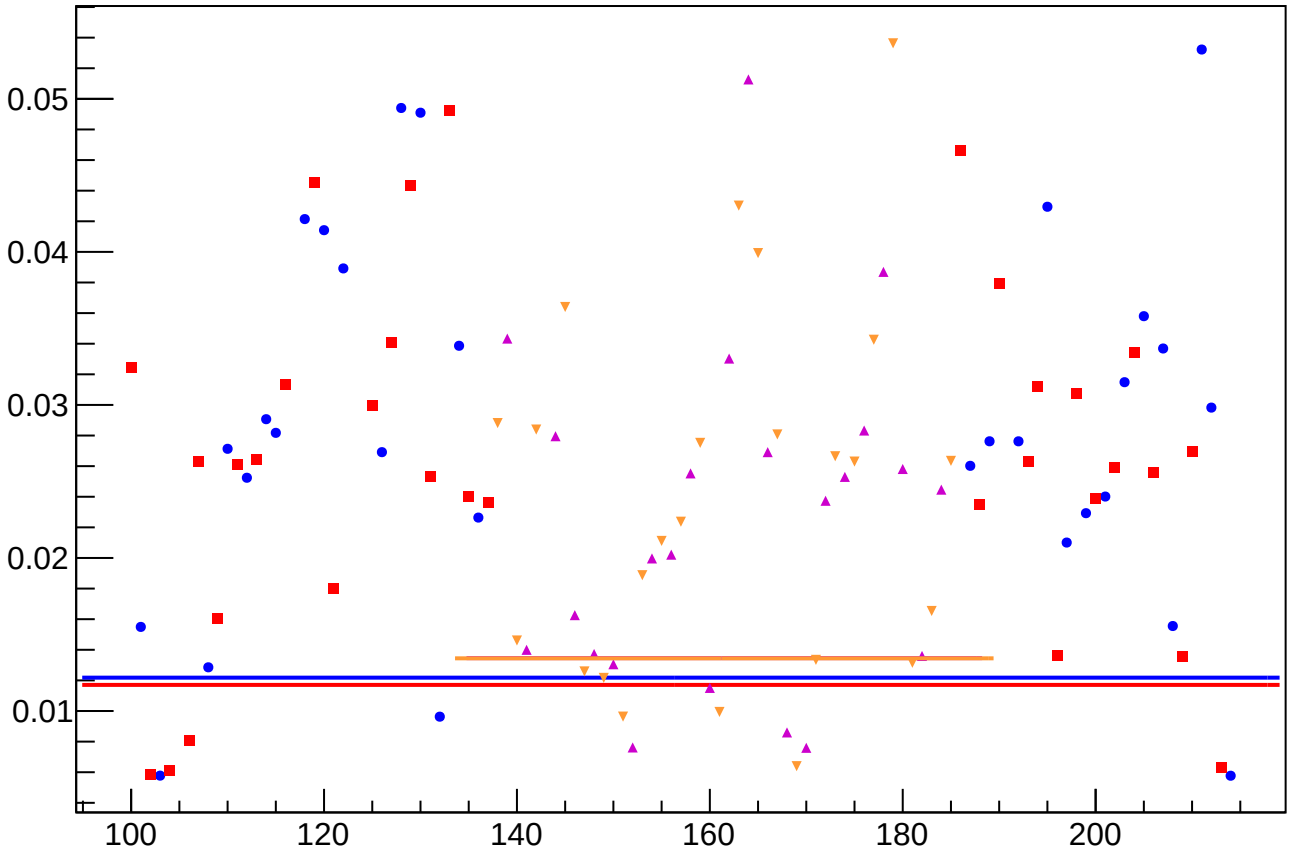
Right Out: -0.000+/-0.000 χ^2/NDF: 52.1/31

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/53

All: -0.000+/-0.000 χ^2/NDF: 147.8/108

- sign -0.000+/-0.000 χ^2/NDF: 77.8/54



Right In: 0.012+/-0.000 χ^2/NDF: 14187374.2/29

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

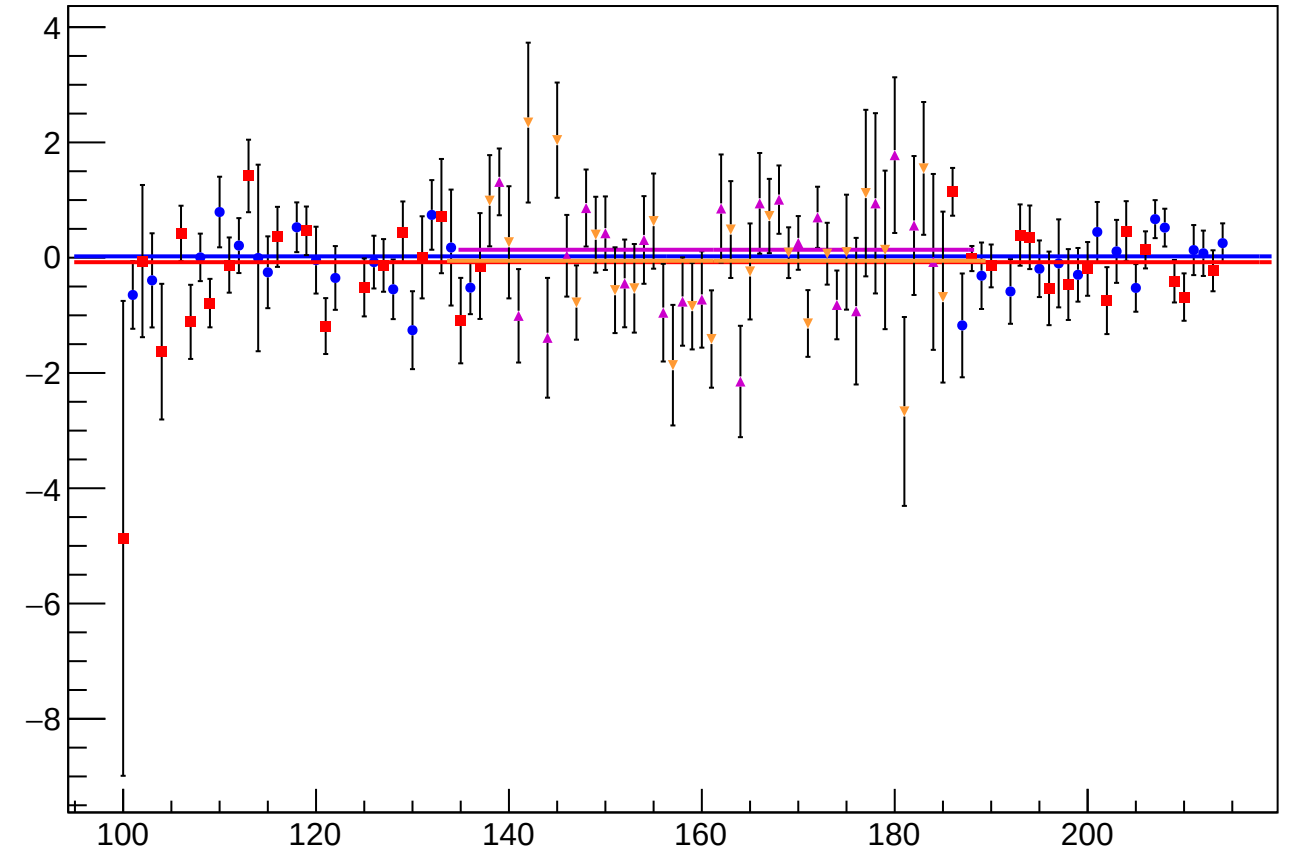
Right Out: 0.012+/-0.000 χ^2/NDF: 12960852.0/31

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.013+/-0.000 χ^2/NDF: 23158253.6/53

All: 0.013+/-0.000 χ^2/NDF: 43913297.9/108

- sign 0.013+/-0.000 χ^2/NDF: 20742641.2/54



Right In: 0.023+/-0.091 χ^2/NDF: 26.1/29

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

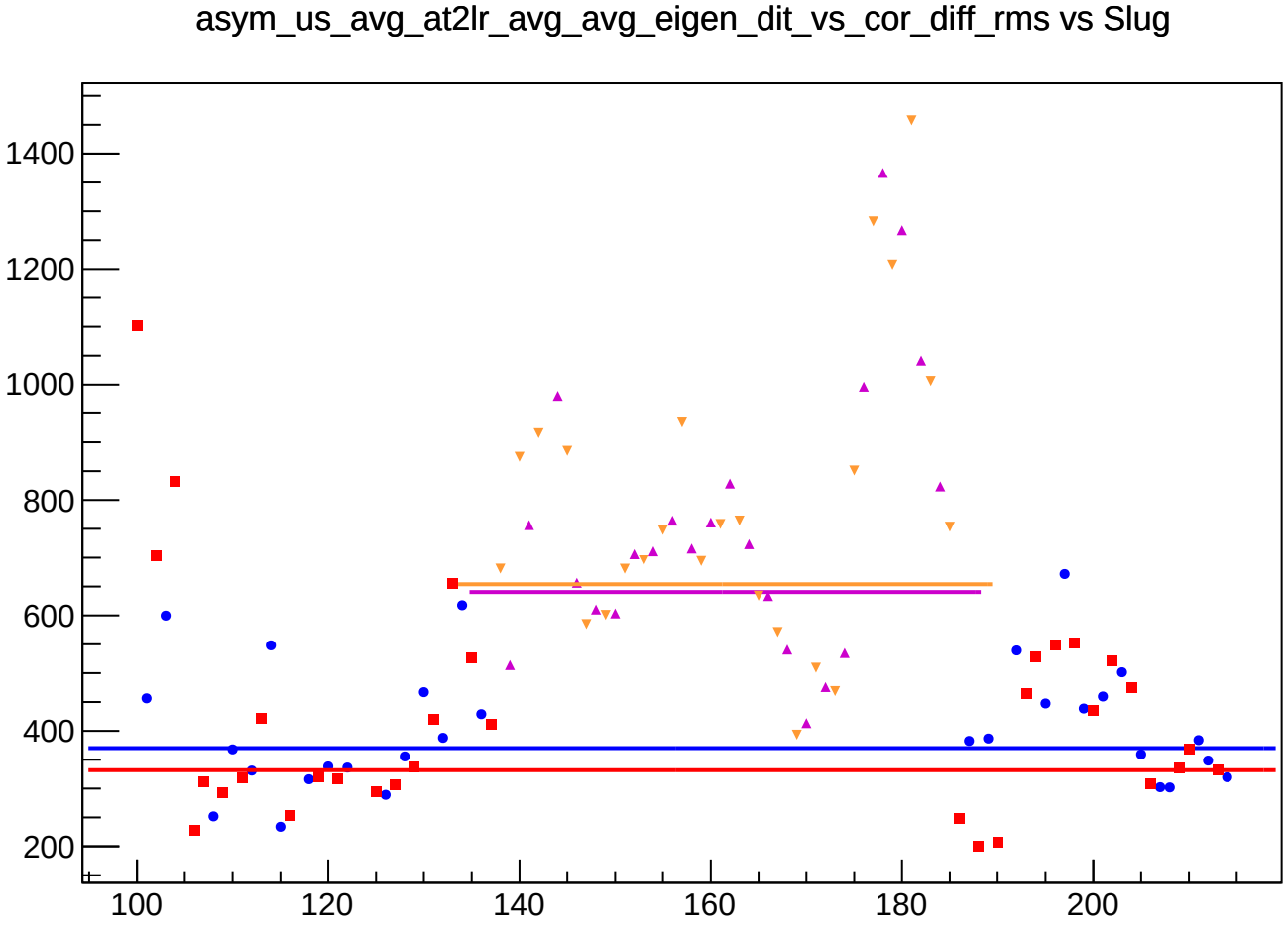
Right Out: -0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign 0.005+/-0.079 χ^2/NDF: 56.4/53

All: -0.014+/-0.054 χ^2/NDF: 132.3/108

- sign -0.030+/-0.074 χ^2/NDF: 75.7/54



Right In: 370.144+/-0.064 χ^2/NDF: 1792082.5/29

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

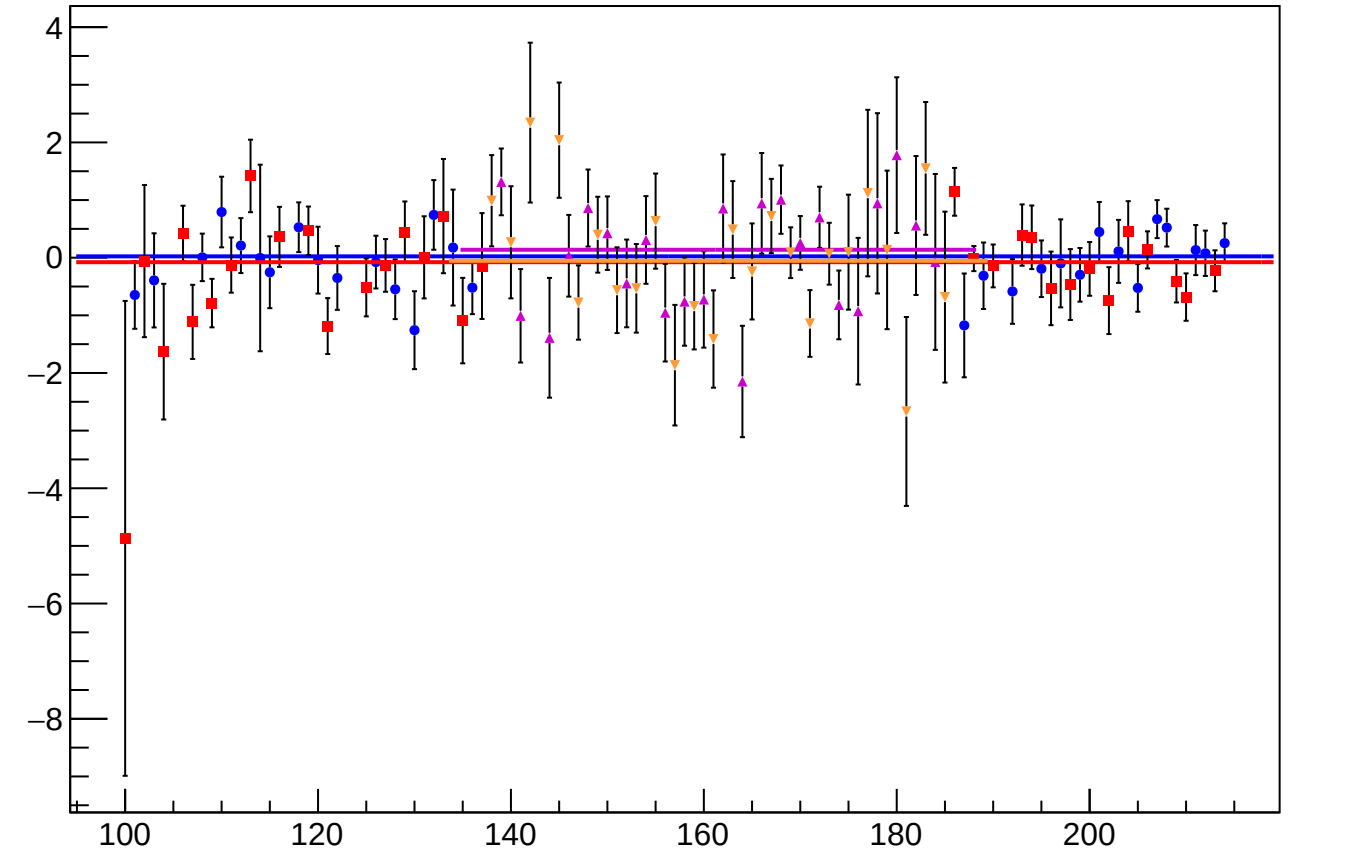
Right Out: 331.913+/-0.060 χ^2/NDF: 3607139.1/31

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 438.688+/-0.056 χ^2/NDF: 9610665.5/53

All: 418.298+/-0.038 χ^2/NDF: 22056810.2/10

- sign 400.362+/-0.053 χ^2/NDF: 12197518.1/54



Right In: 0.023+/-0.091 χ^2/NDF: 26.1/29

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

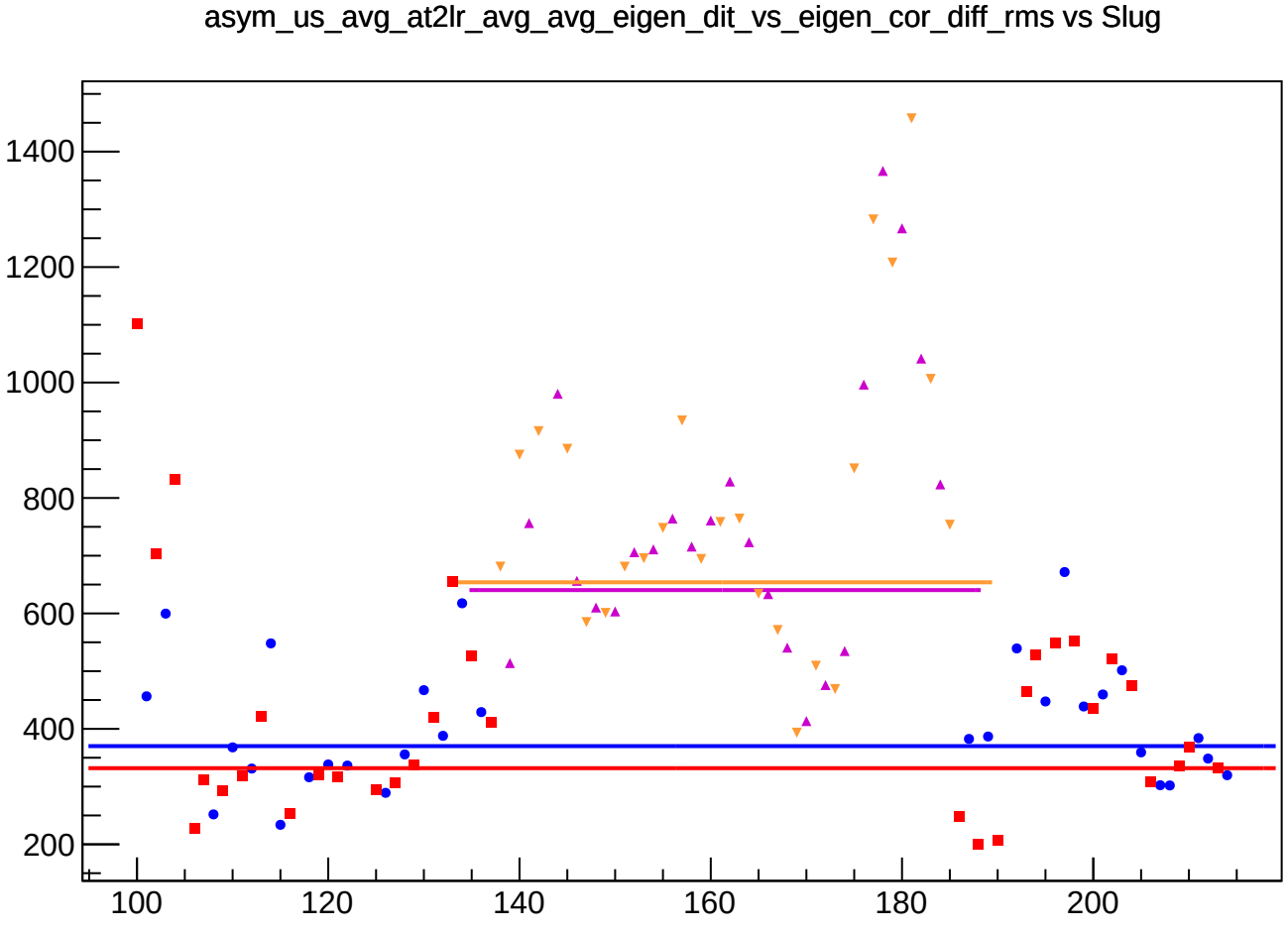
Right Out: -0.078+/-0.084 χ^2/NDF: 44.3/31

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign 0.005+/-0.079 χ^2/NDF: 56.4/53

All: -0.014+/-0.054 χ^2/NDF: 132.3/108

- sign -0.030+/-0.074 χ^2/NDF: 75.7/54



Right In: 370.144+/-0.064 χ^2/NDF: 1792082.5/29

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

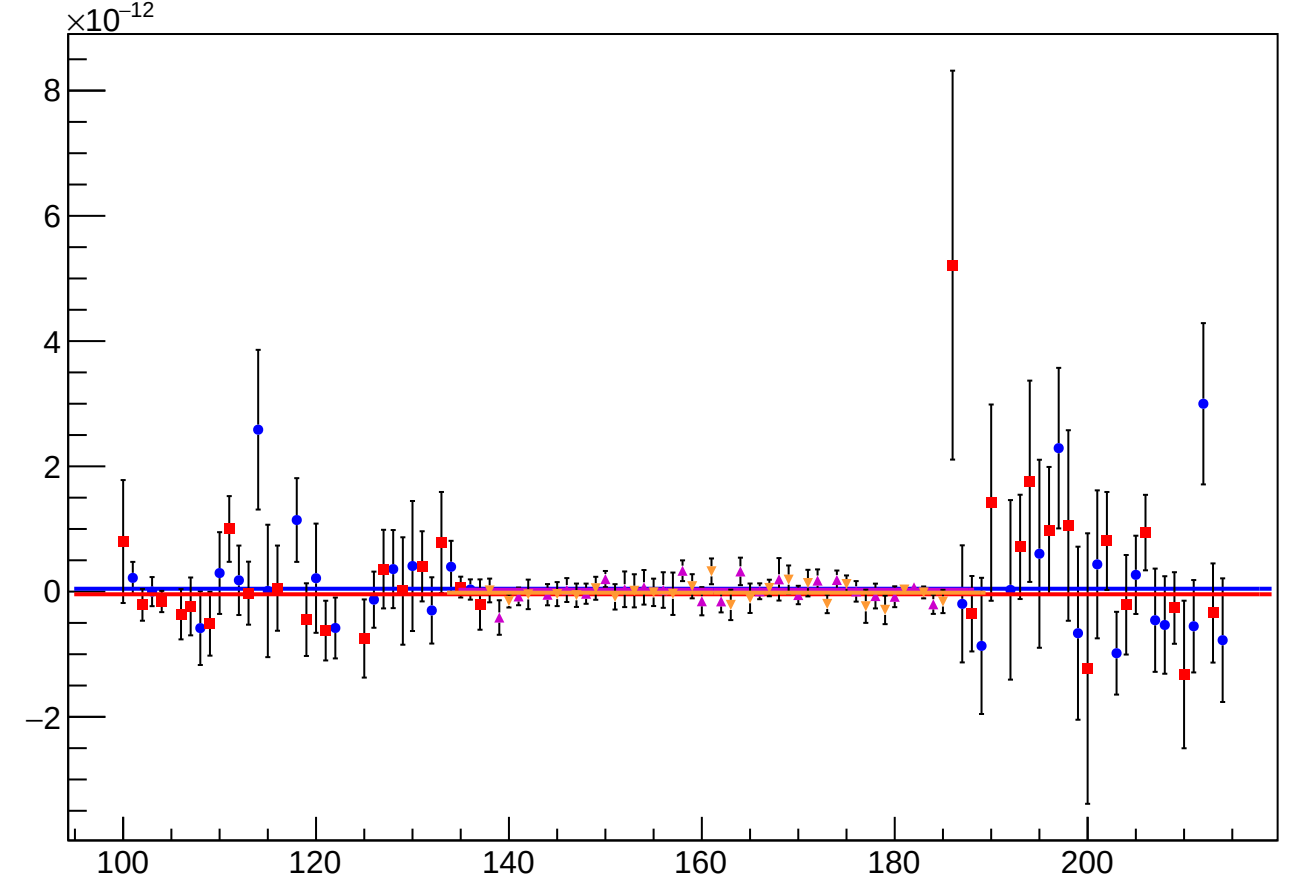
Right Out: 331.913+/-0.060 χ^2/NDF: 3607139.1/31

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 438.688+/-0.056 χ^2/NDF: 9610665.5/53

All: 418.298+/-0.038 χ^2/NDF: 22056810.2/10

- sign 400.362+/-0.053 χ^2/NDF: 12197518.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

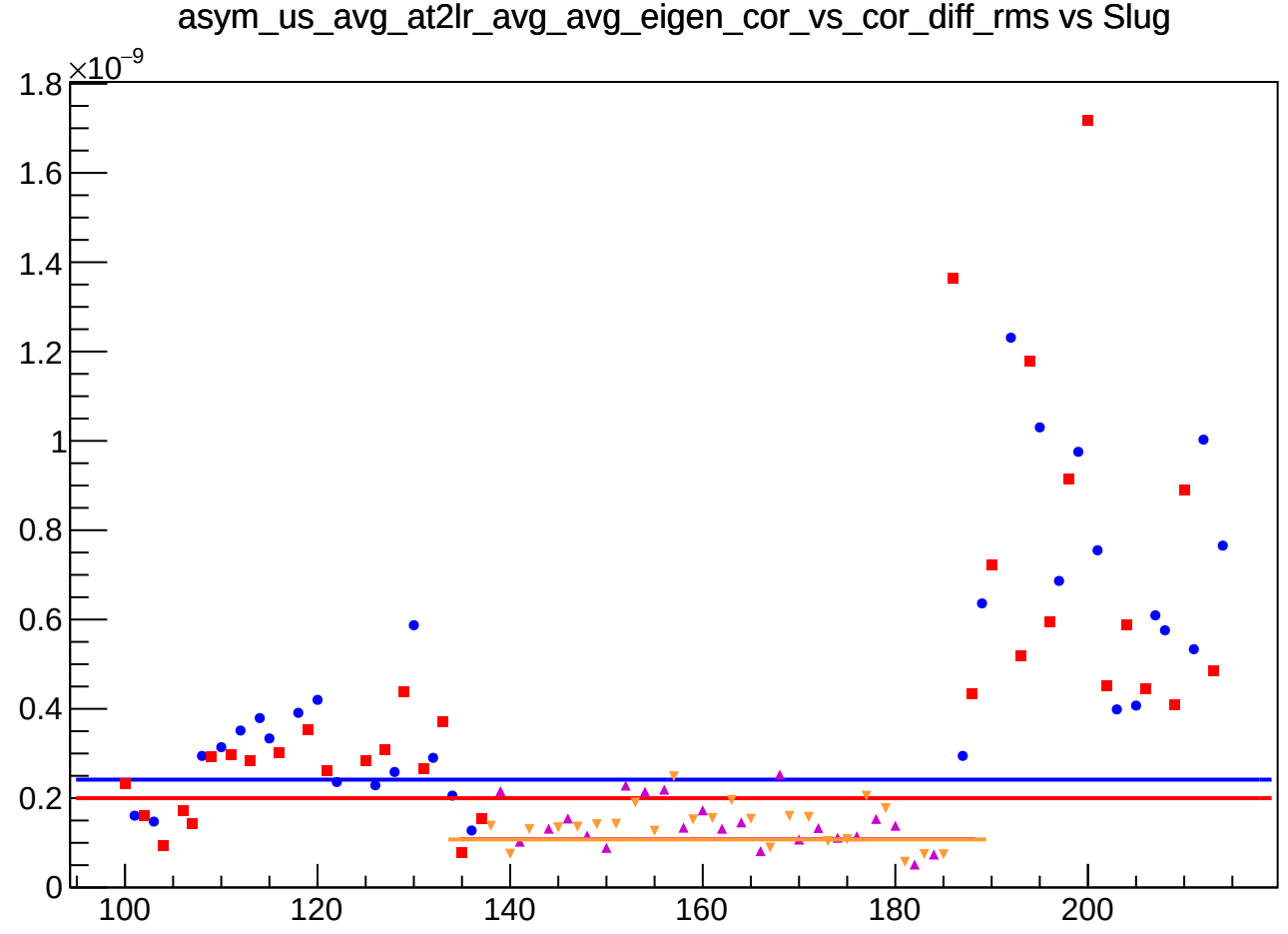
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/31

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.8/53

All: 0.000+/-0.000 χ^2/NDF: 85.3/108

- sign 0.000+/-0.000 χ^2/NDF: 45.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 7671028.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8541834.3/31

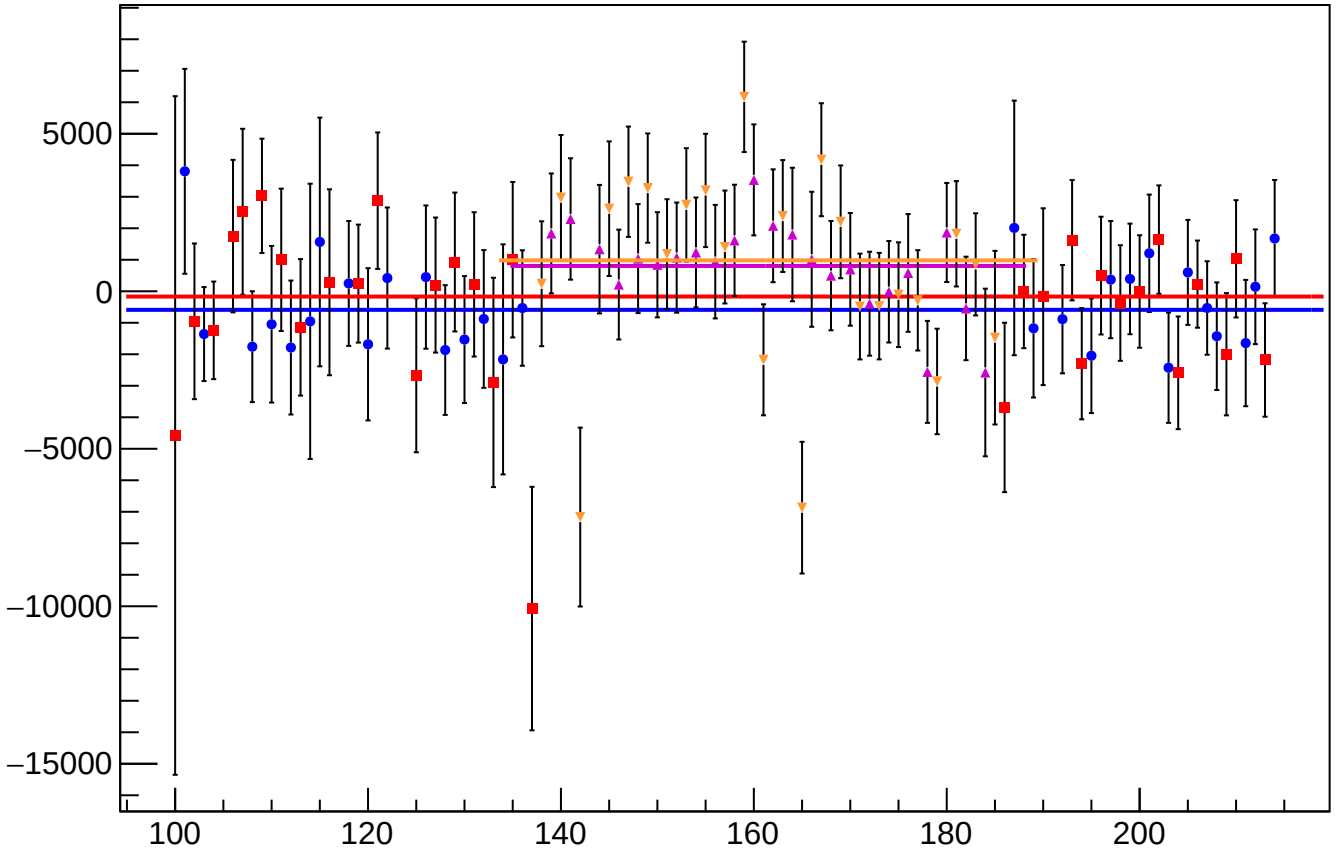
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15033792.6/53

All: 0.000+/-0.000 χ^2/NDF: 29666748.9/108

- sign 0.000+/-0.000 χ^2/NDF: 14629497.0/54

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -589.176+/-368.078 χ^2/NDF: 11.2/29

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -167.621+/-366.787 χ^2/NDF: 26.6/31

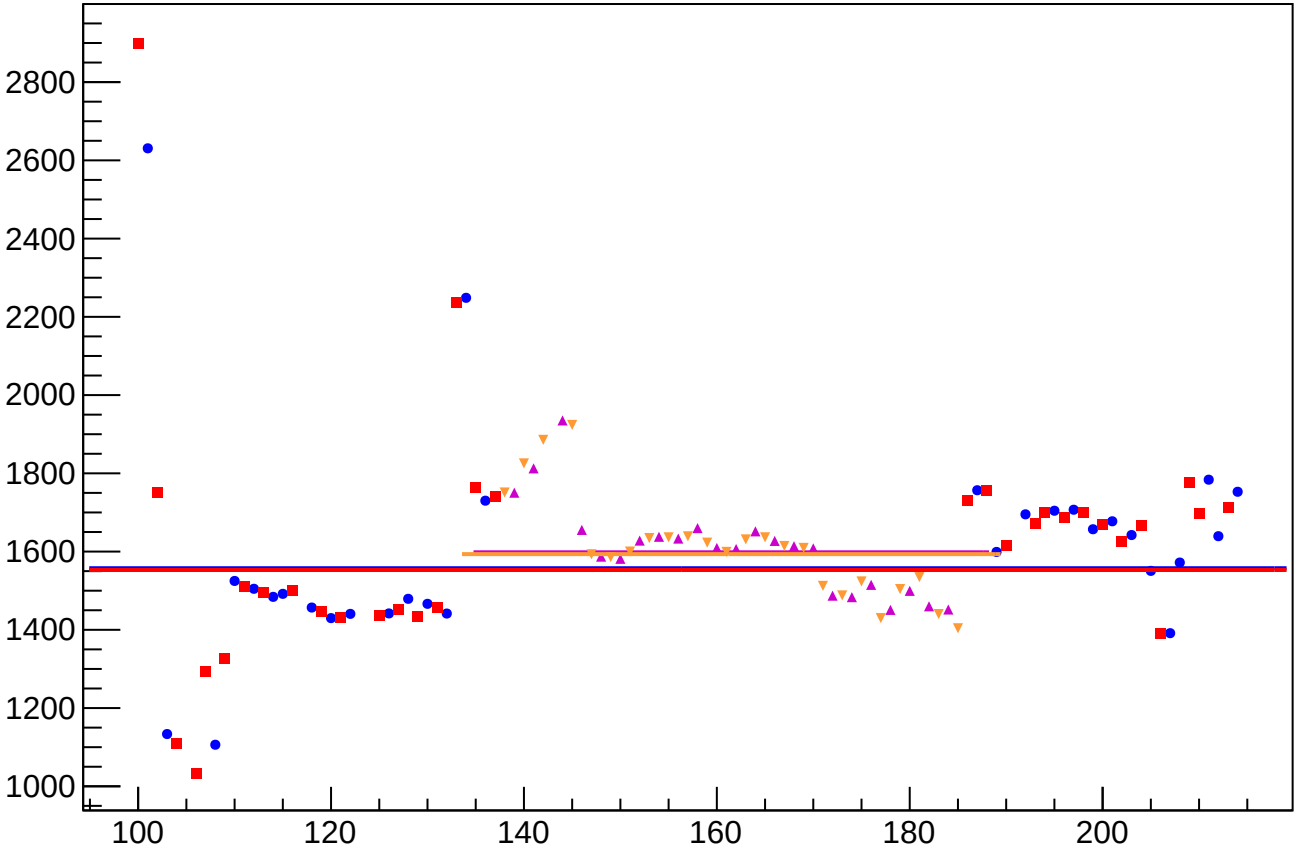
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

\+ sign 190.347+/-261.242 χ^2/NDF: 75.8/53

All: 249.326+/-184.956 χ^2/NDF: 118.4/108

\- sign 308.600+/-261.893 χ^2/NDF: 42.5/54

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1557.427+/-0.260 χ^2/NDF: 777272.1/29

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

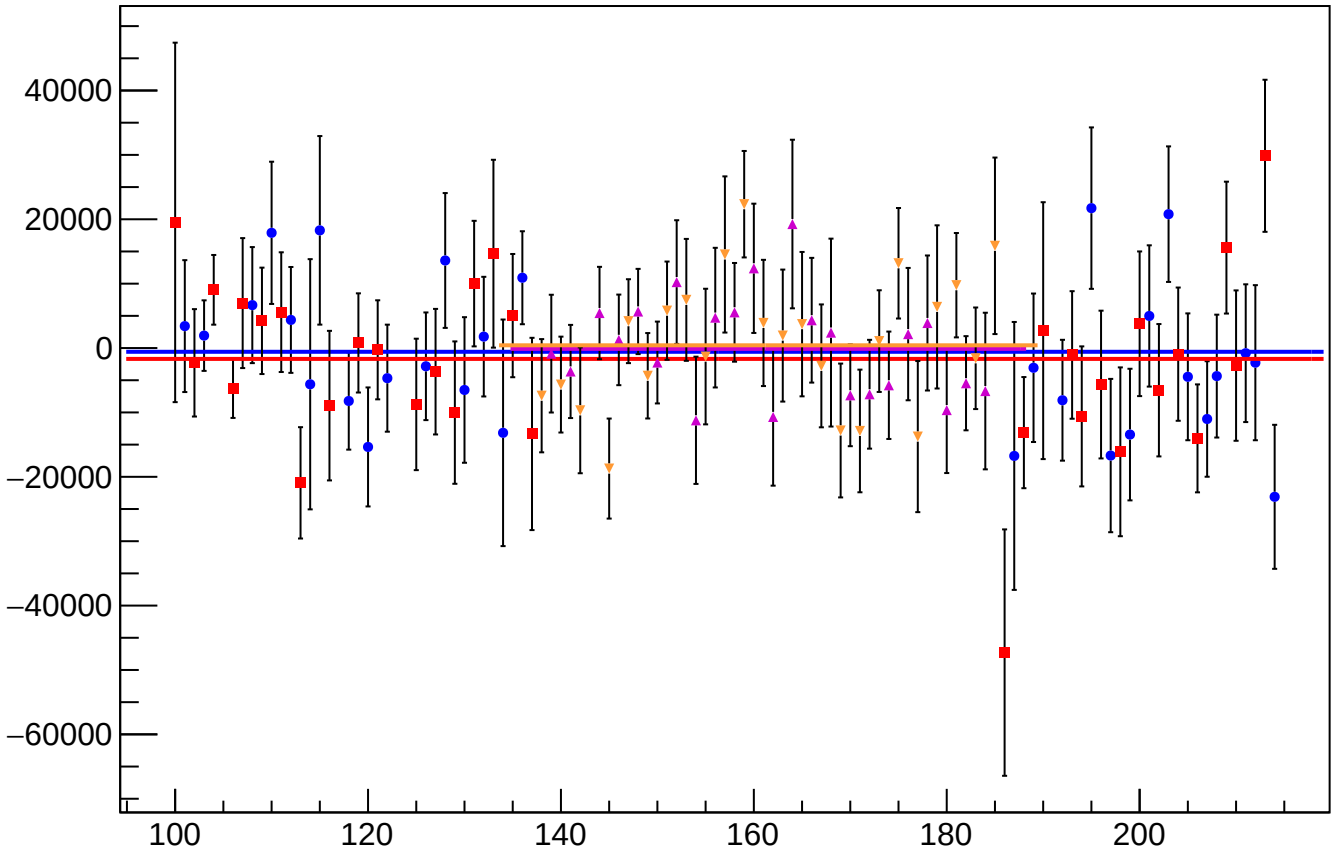
Right Out: 1552.910+/-0.258 χ^2/NDF: 697616.9/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1575.319+/-0.185 χ^2/NDF: 974409.3/53

All: 1575.157+/-0.131 χ^2/NDF: 1856127.9/10

- sign 1574.995+/-0.185 χ^2/NDF: 881717.1/54



Right In: -581.012+/-1786.713 χ^2/NDF: 33.0/29

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -1686.439+/-1660.090 χ^2/NDF: 39.9/31

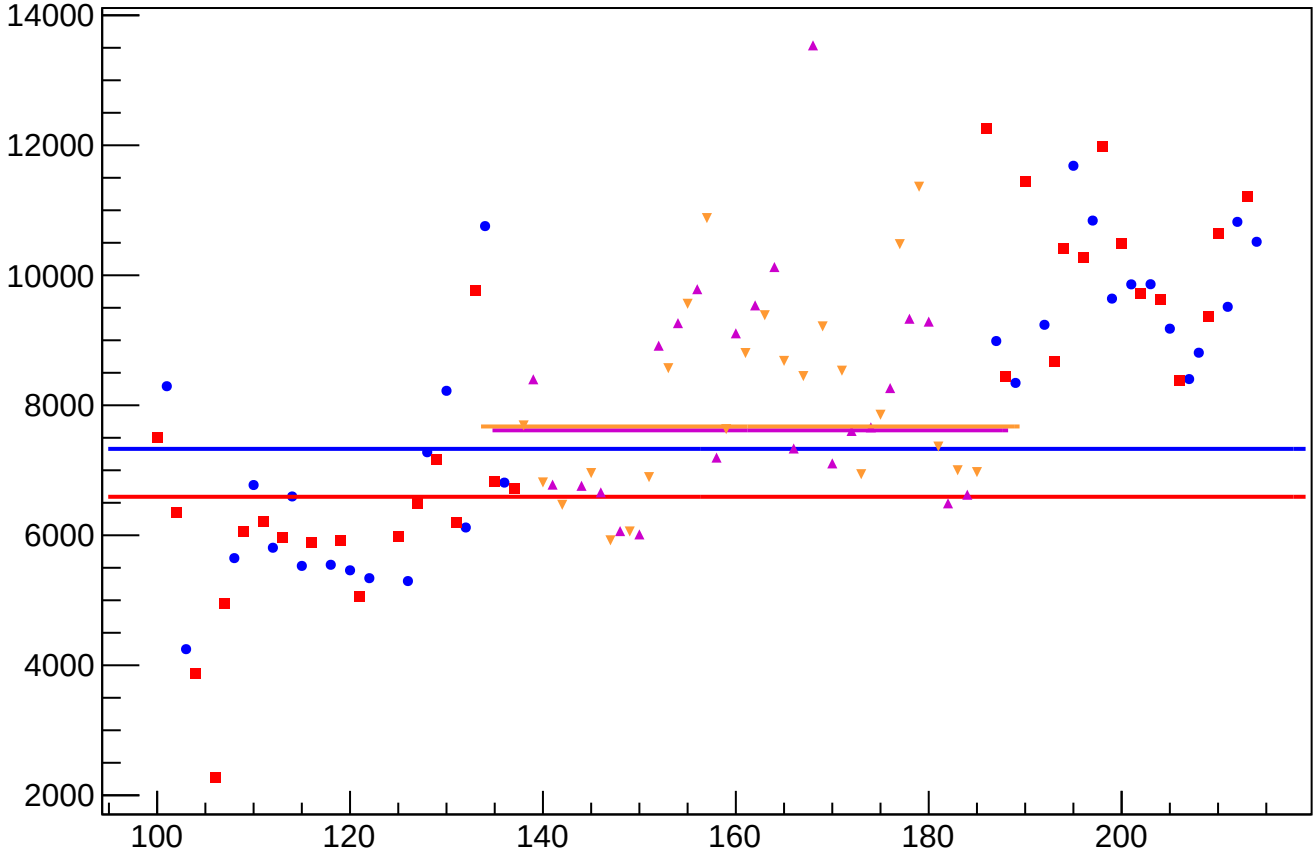
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign -86.421+/-1274.961 χ^2/NDF: 62.5/53

All: -548.874+/-883.310 χ^2/NDF: 116.9/108

- sign -975.738+/-1224.920 χ^2/NDF: 54.1/54

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7329.423+/-1.263 χ^2/NDF: 2797203.4/29

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6592.372+/-1.174 χ^2/NDF: 5230262.5/31

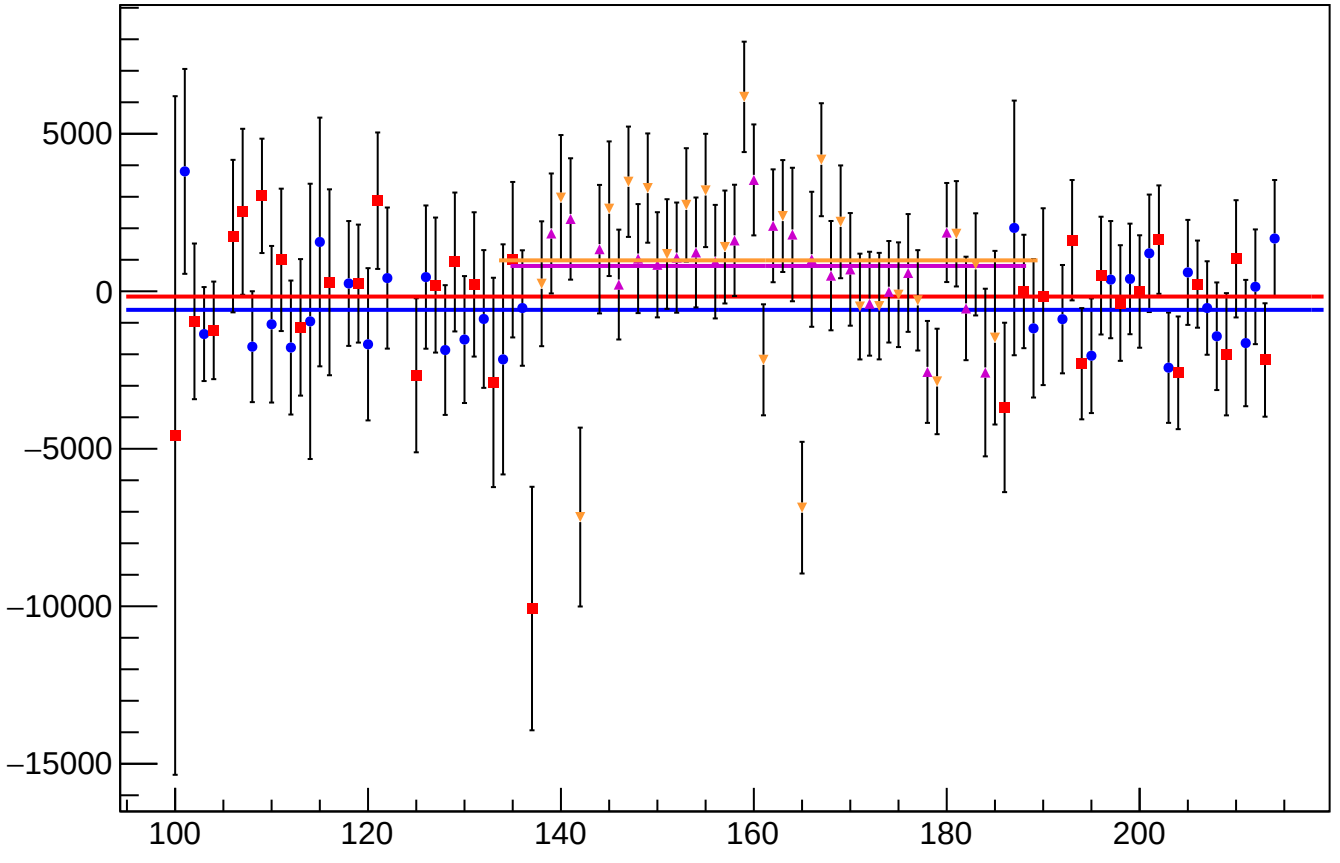
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

\+ sign 7498.572+/-0.902 χ^2/NDF: 3910439.1/53

All: 7269.588+/-0.625 χ^2/NDF: 10835002.6/1

\- sign 7058.226+/-0.866 χ^2/NDF: 6800501.9/54

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -589.243+/-368.078 χ^2/NDF: 11.2/29

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -167.636+/-366.787 χ^2/NDF: 26.6/31

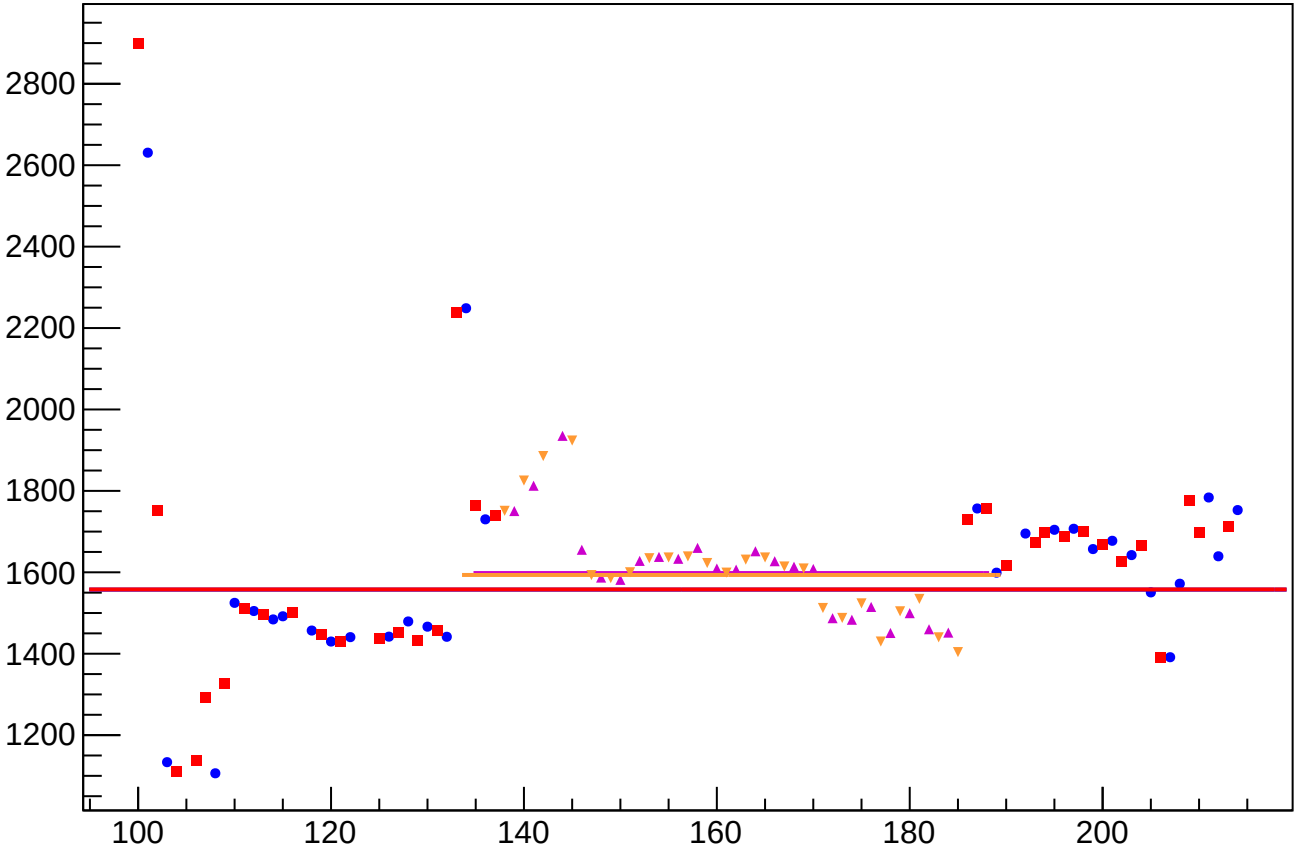
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 190.355+/-261.243 χ^2/NDF: 75.8/53

All: 249.296+/-184.956 χ^2/NDF: 118.4/108

- sign 308.531+/-261.893 χ^2/NDF: 42.5/54

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1557.427+/-0.260 χ^2/NDF: 777272.5/29

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

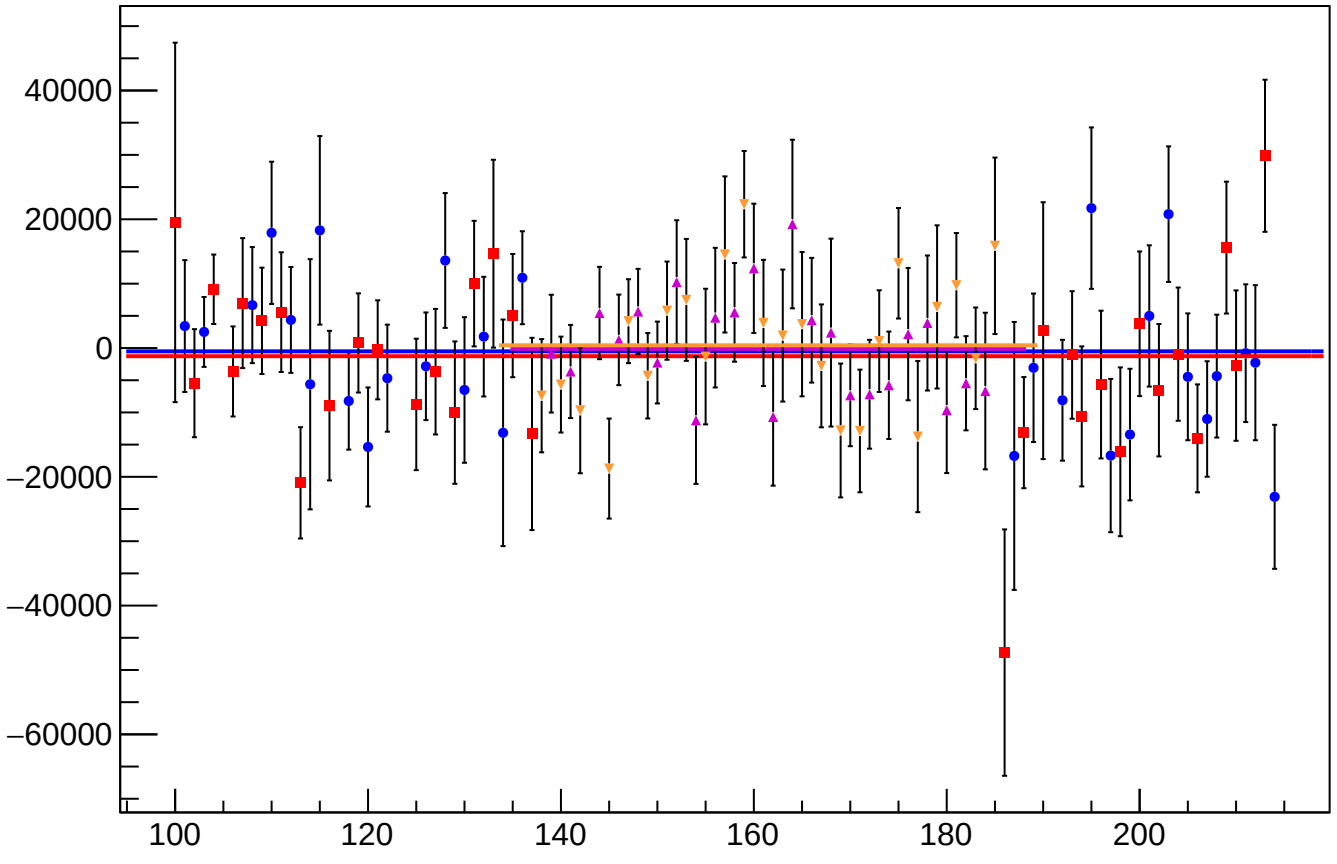
Right Out: 1557.898+/-0.259 χ^2/NDF: 642626.8/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1575.319+/-0.185 χ^2/NDF: 974409.7/53

All: 1576.454+/-0.131 χ^2/NDF: 1798070.1/10

- sign 1577.593+/-0.185 χ^2/NDF: 823584.8/54



Right In: -513.881+/-1784.869 χ^2/NDF: 33.1/29

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

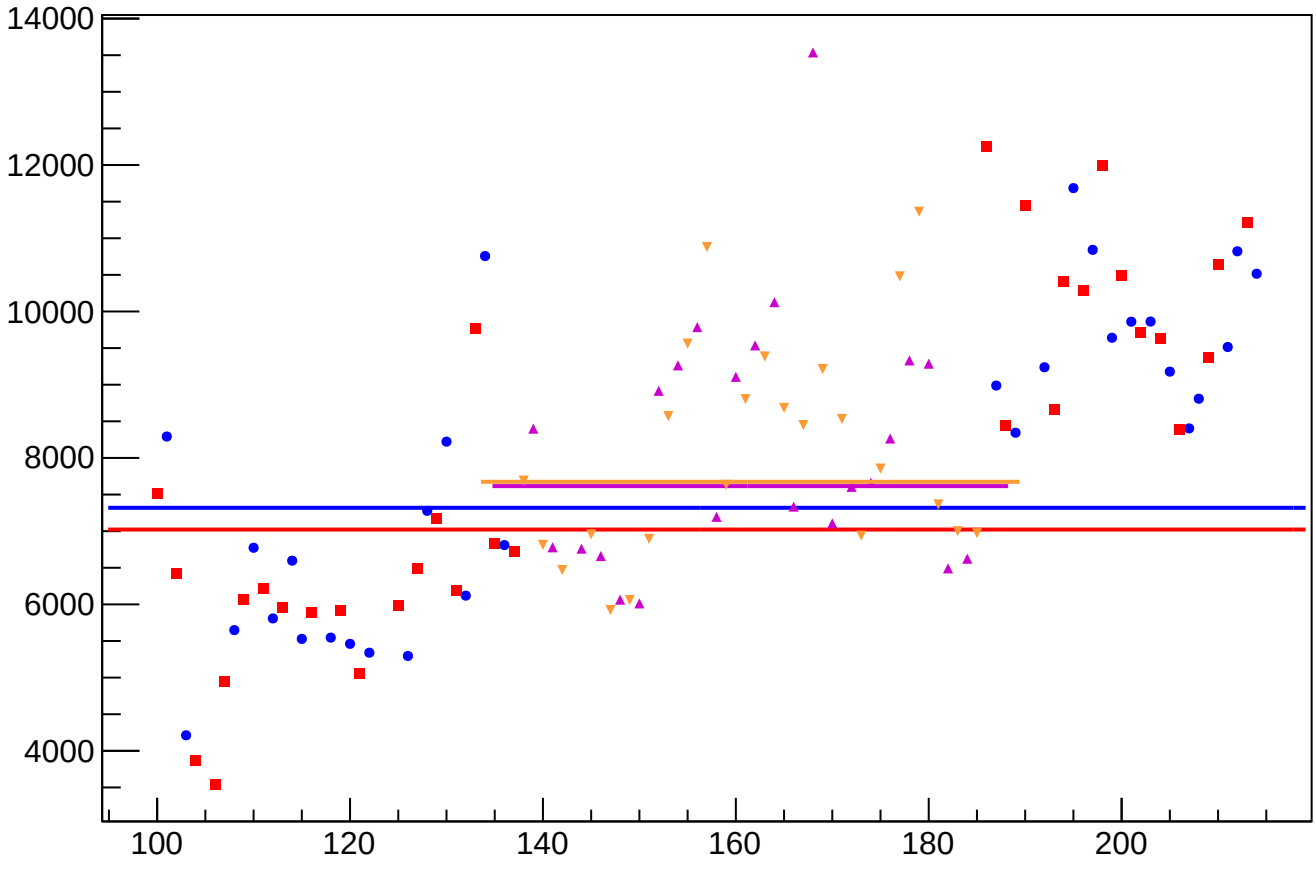
Right Out: -1266.777+/-1726.423 χ^2/NDF: 39.2/31

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

\+ sign -52.724+/-1274.291 χ^2/NDF: 62.6/53

All: -395.116+/-892.657 χ^2/NDF: 116.0/108

\- sign -725.028+/-1250.851 χ^2/NDF: 53.2/54



Right In: 7319.192+/-1.262 χ^2/NDF: 2824429.7/29

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

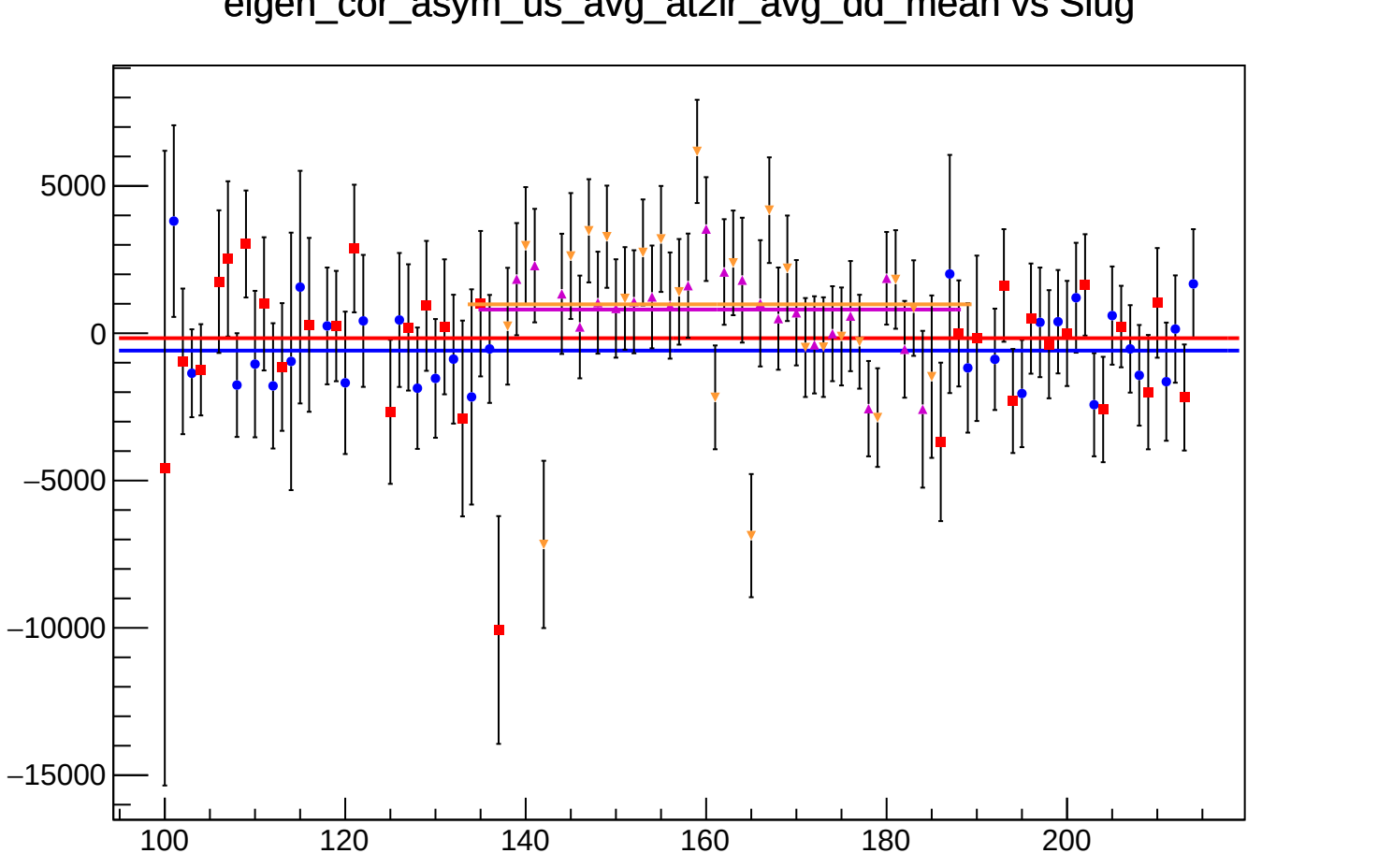
Right Out: 7022.109+/-1.221 χ^2/NDF: 3708097.5/31

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

\+ sign 7493.181+/-0.901 χ^2/NDF: 3939904.6/53

All: 7396.705+/-0.631 χ^2/NDF: 9007077.4/10

\- sign 7303.746+/-0.884 χ^2/NDF: 5044663.1/54



Right In: -589.243+/-368.078 χ^2/NDF: 11.2/29

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -167.636+/-366.787 χ^2/NDF: 26.6/31

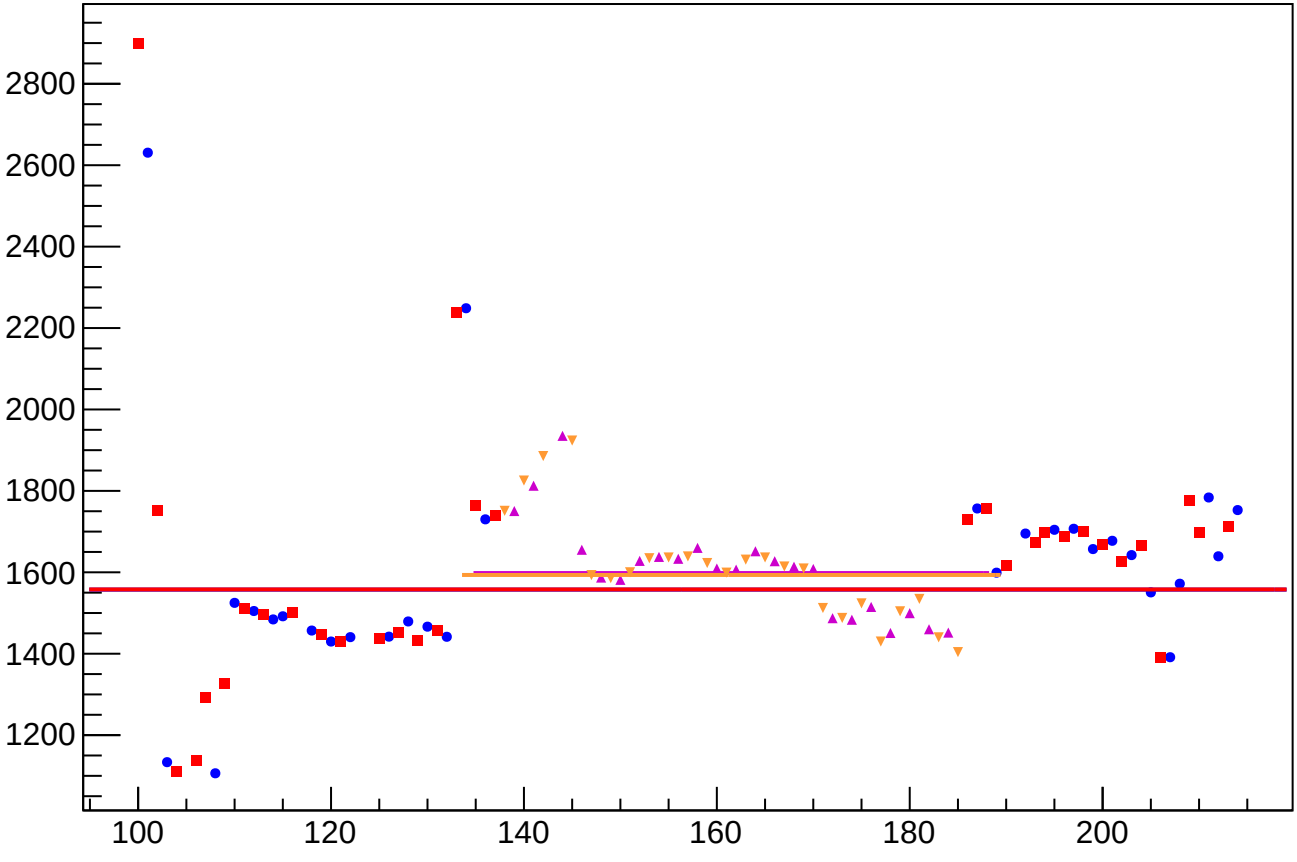
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 190.355+/-261.243 χ^2/NDF: 75.8/53

All: 249.296+/-184.956 χ^2/NDF: 118.4/108

\- sign 308.531+/-261.893 χ^2/NDF: 42.5/54

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1557.427+/-0.260 χ^2/NDF: 777272.5/29

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

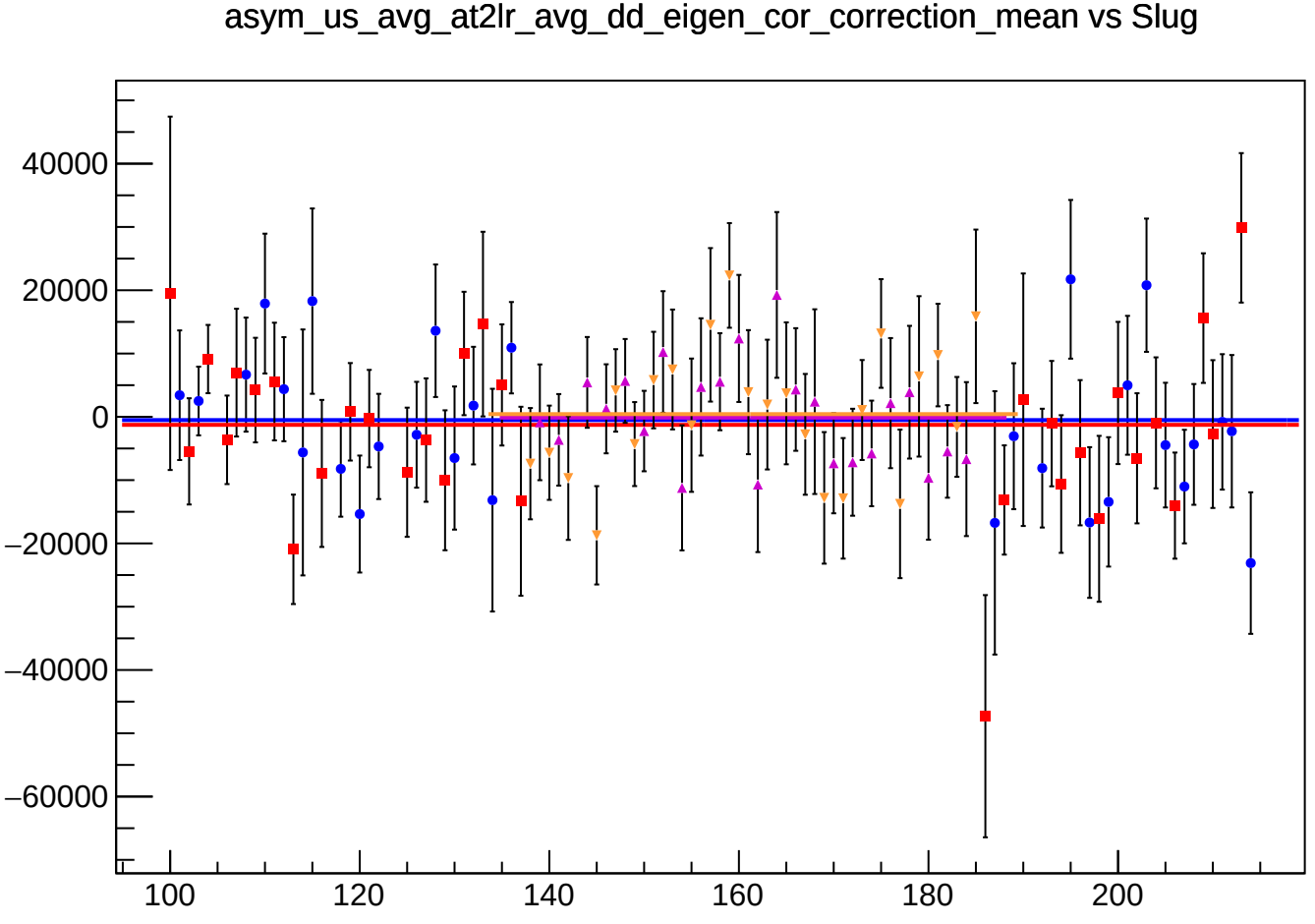
Right Out: 1557.898+/-0.259 χ^2/NDF: 642626.8/31

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

\+ sign 1575.319+/-0.185 χ^2/NDF: 974409.7/53

All: 1576.454+/-0.131 χ^2/NDF: 1798070.1/10

\- sign 1577.593+/-0.185 χ^2/NDF: 823584.8/54



Right In: -513.881+/-1784.869 χ^2/NDF: 33.1/29

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

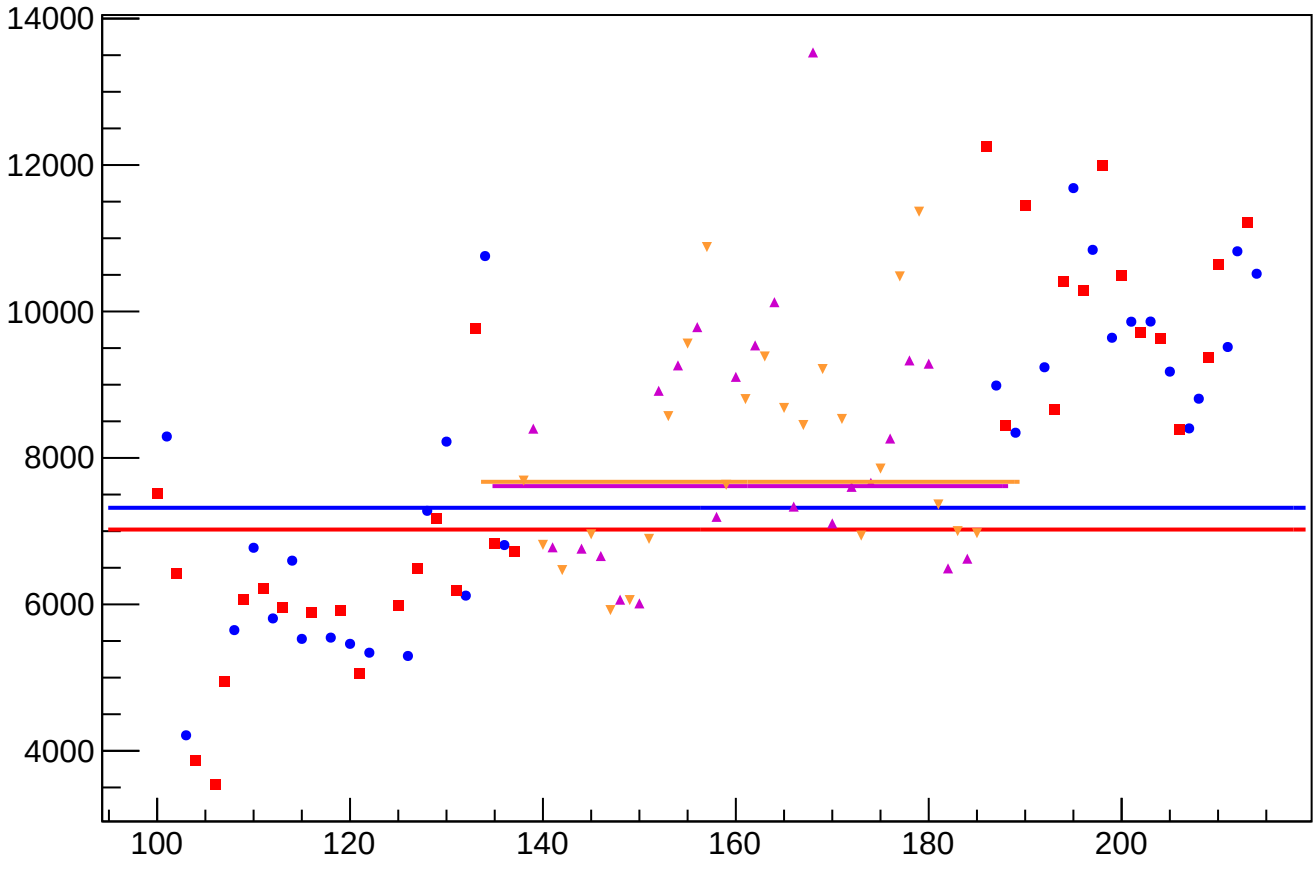
Right Out: -1266.777+/-1726.423 χ^2/NDF: 39.2/31

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -52.724+/-1274.291 χ^2/NDF: 62.6/53

All: -395.116+/-892.657 χ^2/NDF: 116.0/108

- sign -725.028+/-1250.851 χ^2/NDF: 53.2/54



Right In: 7319.192+/-1.262 χ^2/NDF: 2824429.7/29

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7022.109+/-1.221 χ^2/NDF: 3708097.5/31

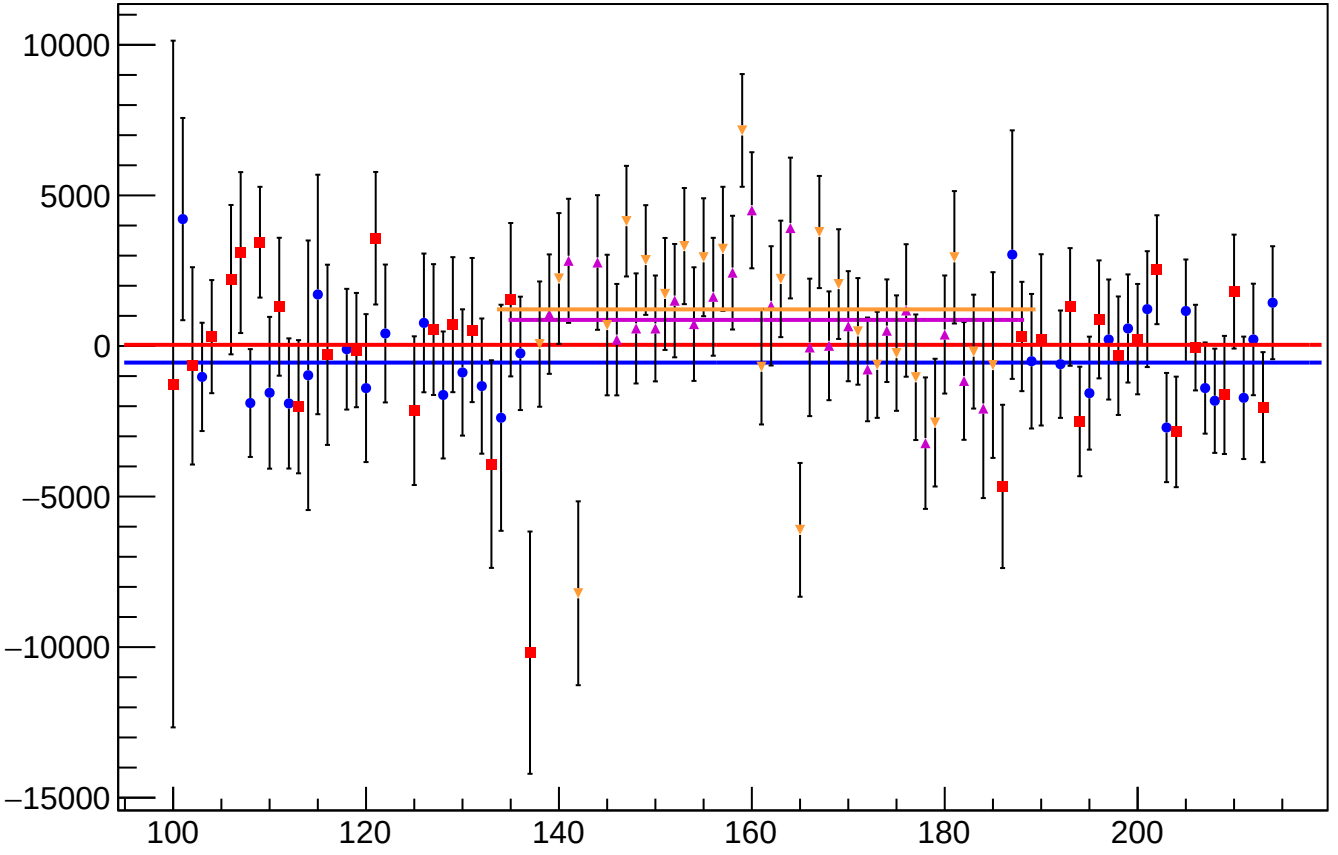
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7493.181+/-0.901 χ^2/NDF: 3939904.6/53

All: 7396.705+/-0.631 χ^2/NDF: 9007077.4/10

- sign 7303.746+/-0.884 χ^2/NDF: 5044663.1/54

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -551.584+/-380.240 χ^2/NDF: 12.2/29

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 38.050+/-380.583 χ^2/NDF: 31.4/31

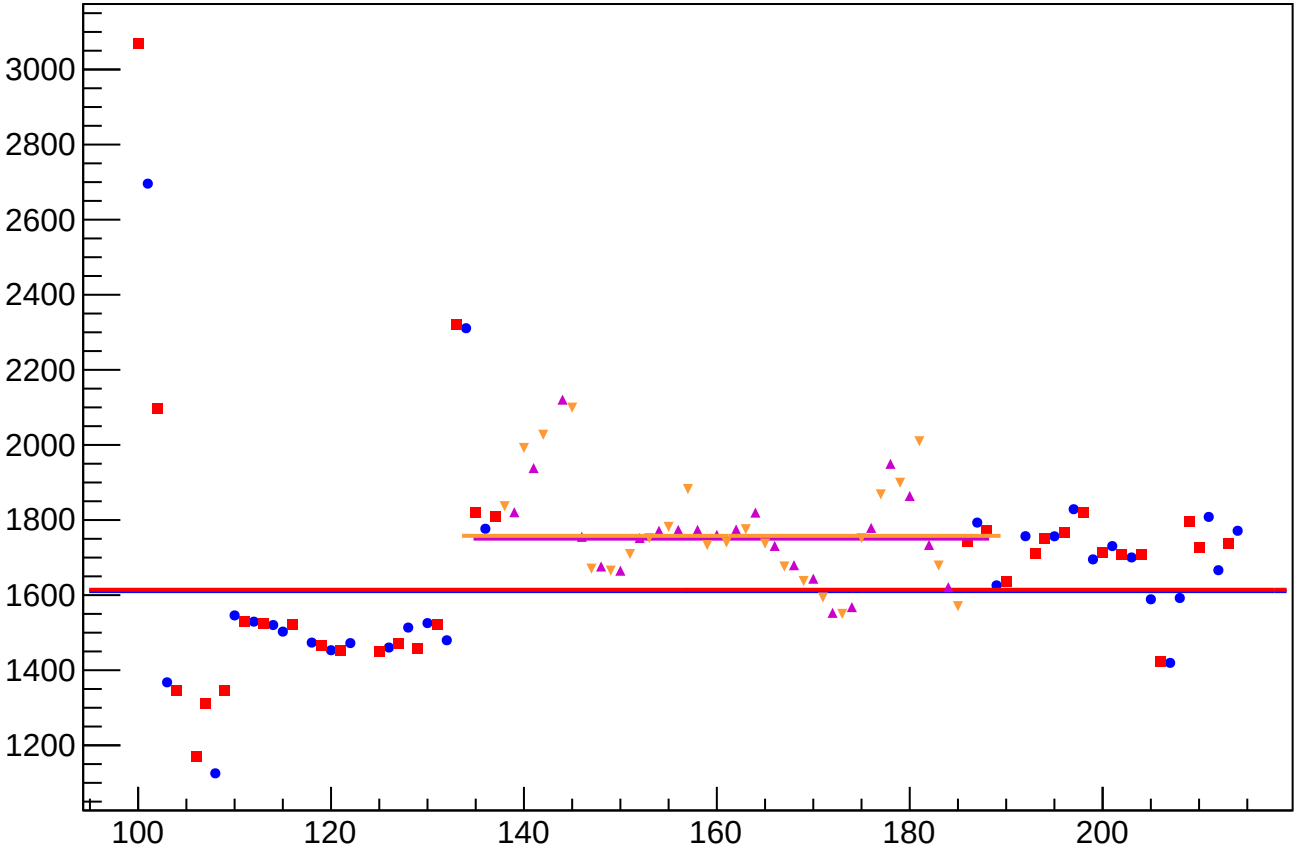
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

+ sign 266.329+/-278.668 χ^2/NDF: 70.7/53

All: 343.703+/-197.146 χ^2/NDF: 119.5/108

- sign 421.231+/-278.945 χ^2/NDF: 48.7/54

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1610.686+/-0.269 χ^2/NDF: 670159.4/29

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

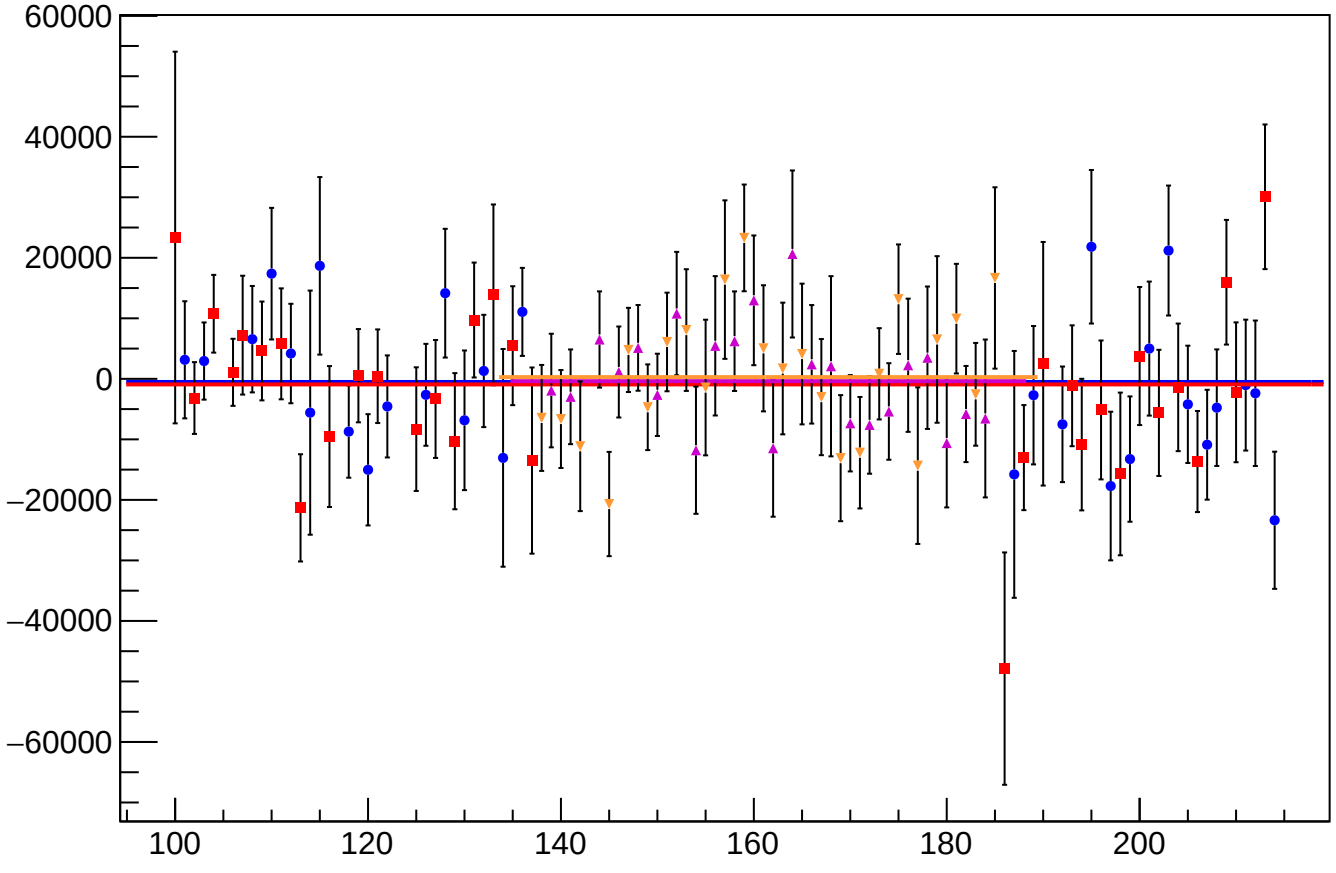
Right Out: 1614.285+/-0.269 χ^2/NDF: 568873.7/31

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1678.861+/-0.197 χ^2/NDF: 1022337.0/53

All: 1678.084+/-0.139 χ^2/NDF: 1881673.4/10

- sign 1677.306+/-0.197 χ^2/NDF: 859305.2/54



Right In: -517.324+/-1817.763 χ^2/NDF: 32.9/29

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

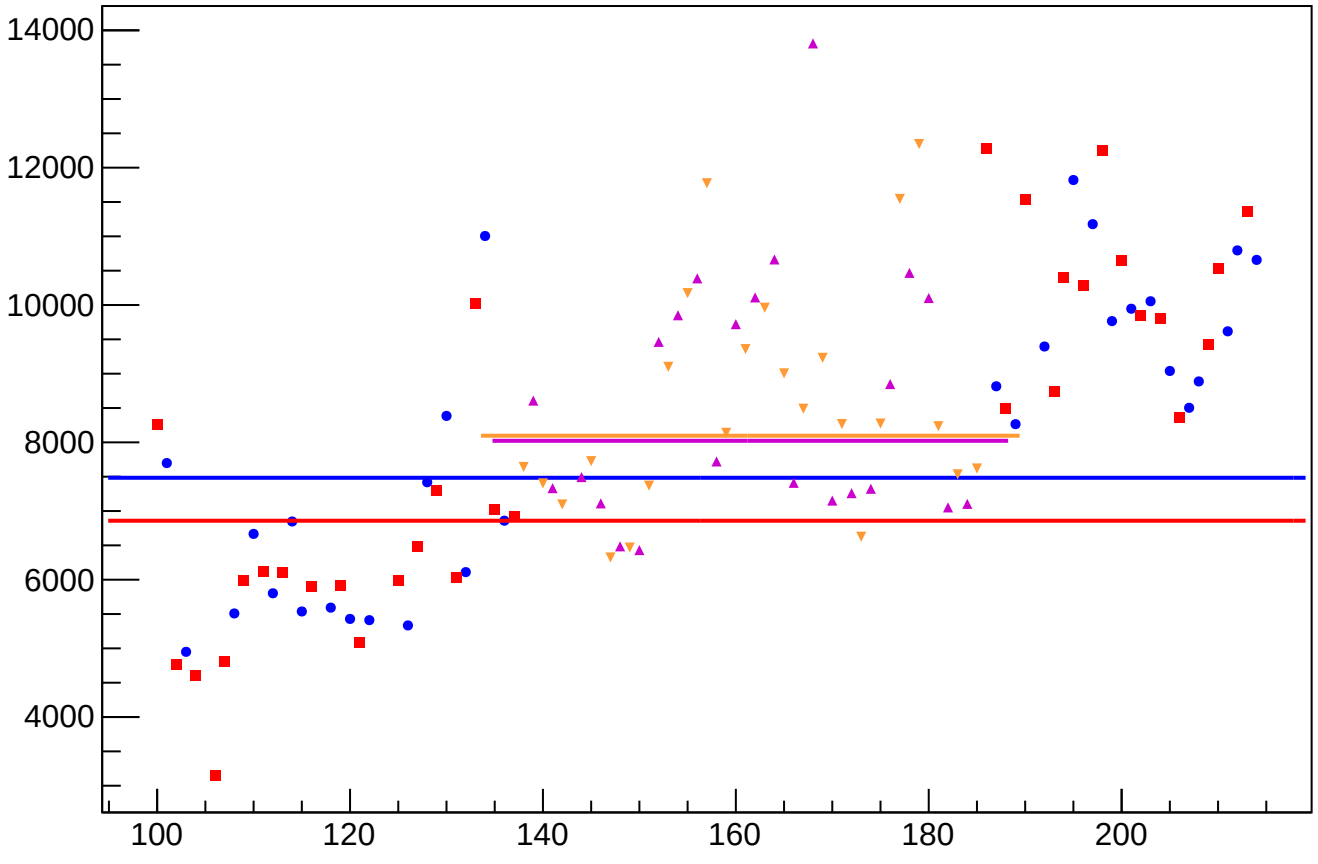
Right Out: -921.087+/-1691.113 χ^2/NDF: 38.7/31

Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign -138.154+/-1320.060 χ^2/NDF: 61.6/53

All: -422.725+/-914.026 χ^2/NDF: 114.0/108

- sign -684.811+/-1266.839 χ^2/NDF: 52.3/54



Right In: 7484.349+/-1.285 χ^2/NDF: 2501016.8/29

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

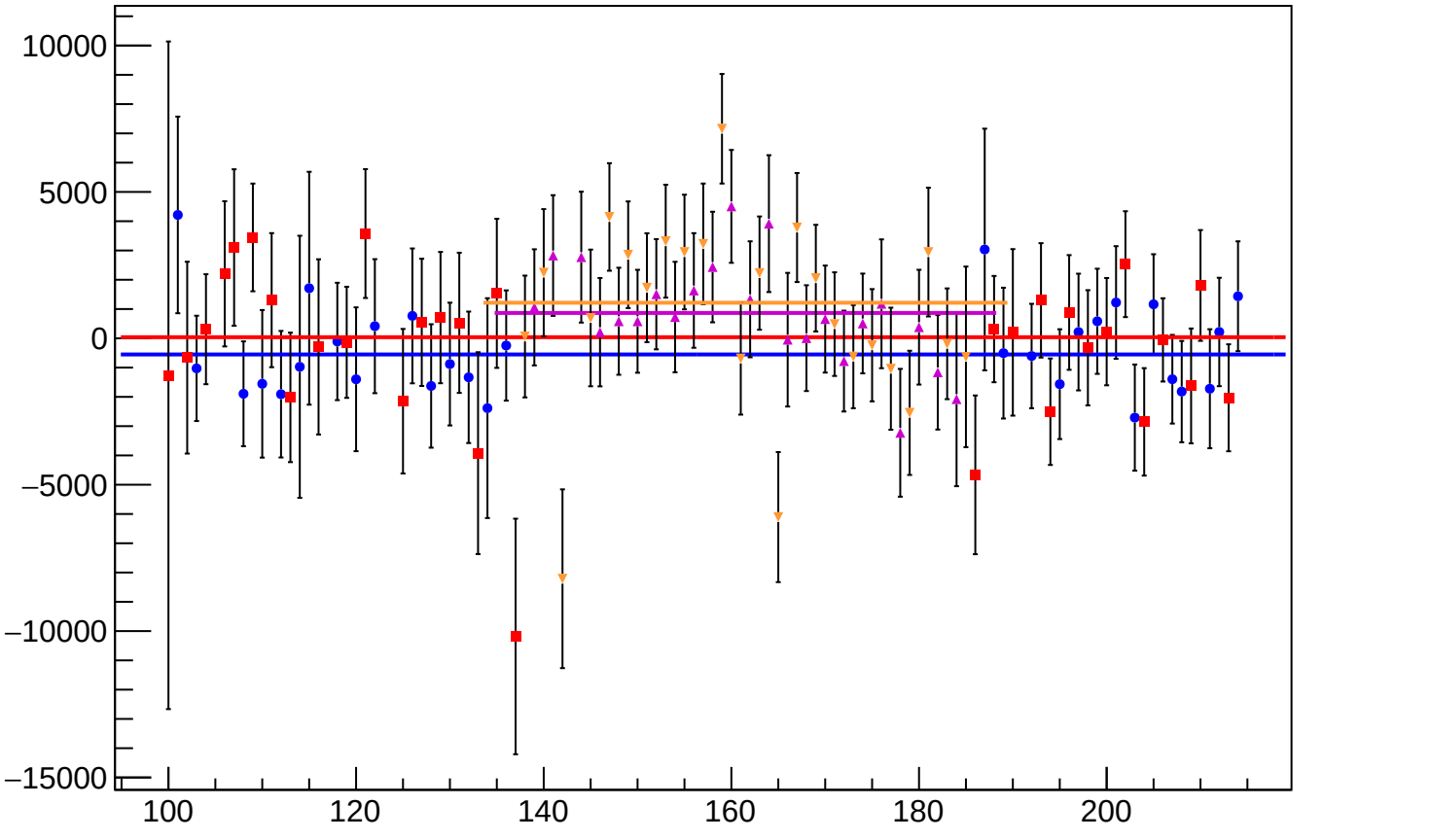
Right Out: 6858.721+/-1.196 χ^2/NDF: 4144529.4/31

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7773.824+/-0.933 χ^2/NDF: 3696120.4/53

All: 7563.355+/-0.646 χ^2/NDF: 9579666.8/10

- sign 7369.516+/-0.896 χ^2/NDF: 5785881.0/54



Right In: -551.582+/-380.241 χ^2/NDF: 12.2/29

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 38.051+/-380.583 χ^2/NDF: 31.4/31

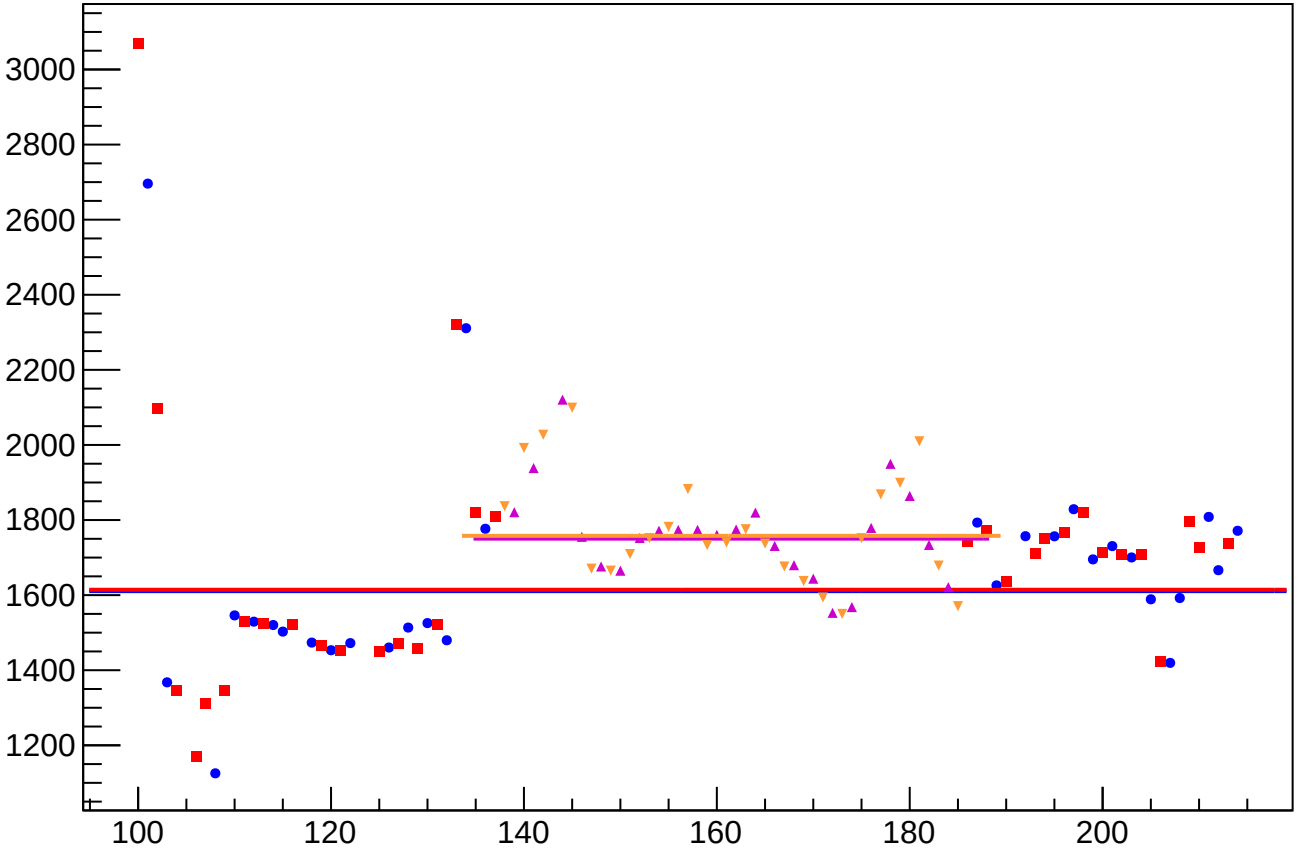
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 266.332+/-278.668 χ^2/NDF: 70.7/53

All: 343.705+/-197.146 χ^2/NDF: 119.5/108

\- sign 421.231+/-278.945 χ^2/NDF: 48.7/54

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1610.686+/-0.269 χ^2/NDF: 670159.5/29

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

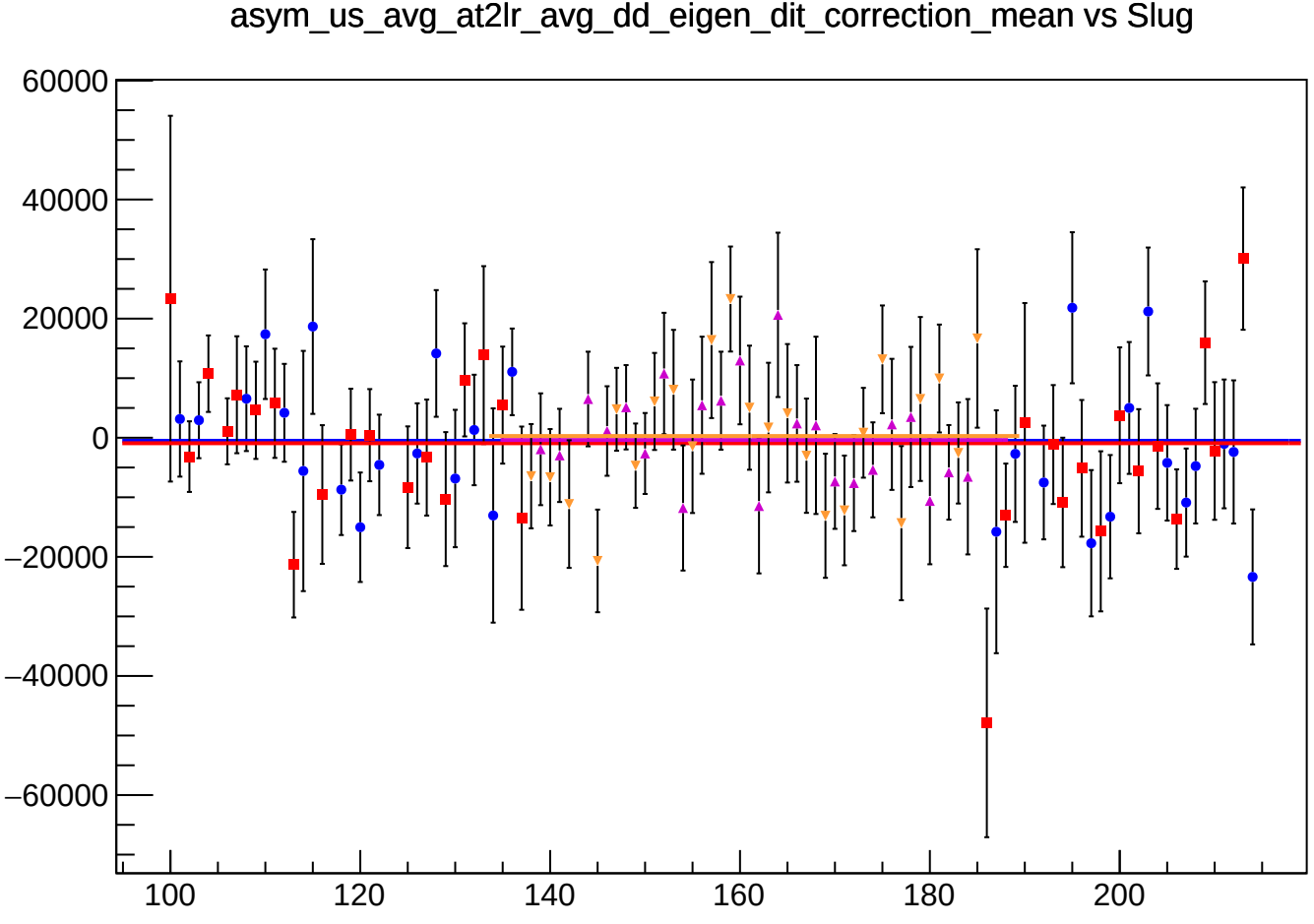
Right Out: 1614.286+/-0.269 χ^2/NDF: 568874.7/31

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1678.862+/-0.197 χ^2/NDF: 1022350.0/53

All: 1678.085+/-0.139 χ^2/NDF: 1881699.9/10

- sign 1677.307+/-0.197 χ^2/NDF: 859318.7/54



Right In: -517.330+/-1817.762 χ^2/NDF: 32.9/29

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

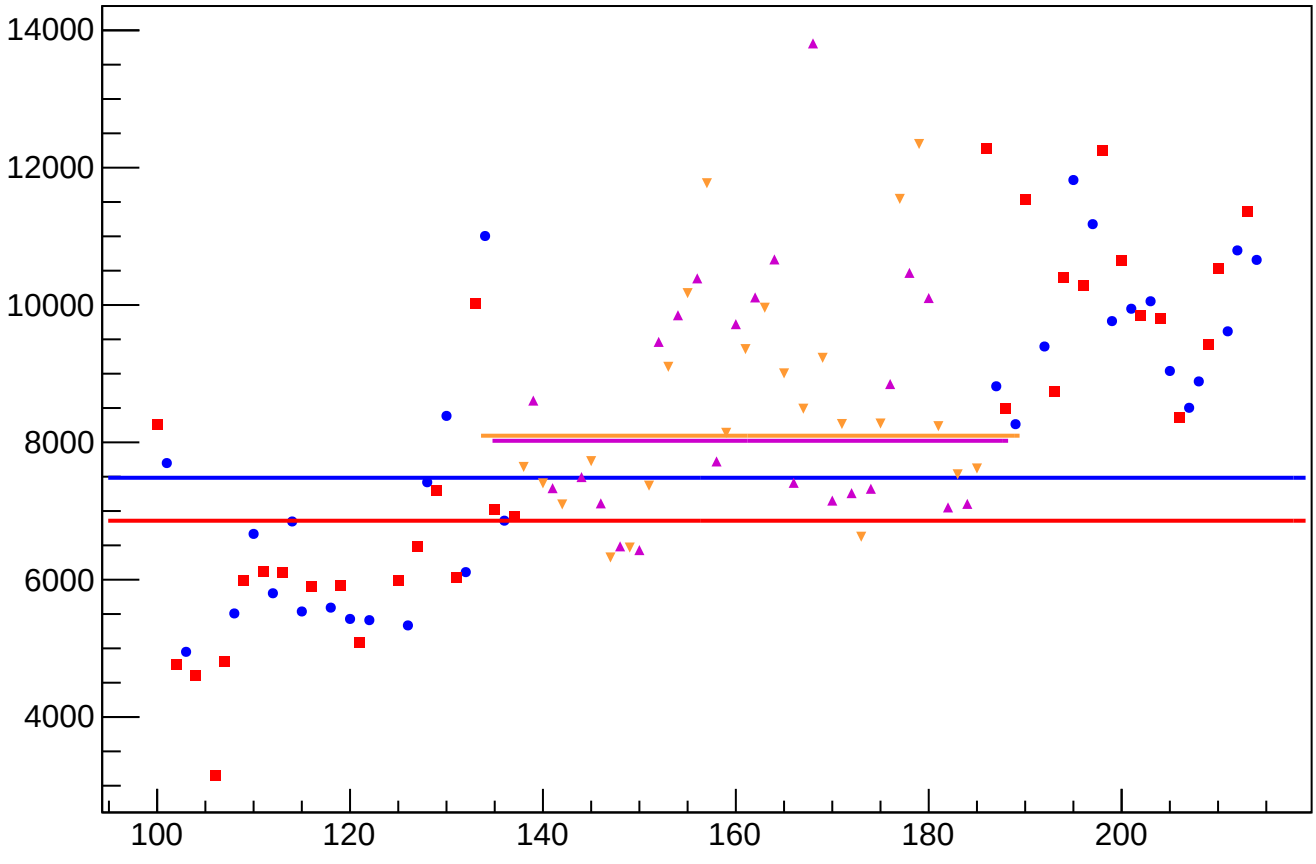
Right Out: -921.078+/-1691.111 χ^2/NDF: 38.7/31

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign -138.158+/-1320.061 χ^2/NDF: 61.6/53

All: -422.725+/-914.027 χ^2/NDF: 114.0/108

- sign -684.809+/-1266.839 χ^2/NDF: 52.3/54



Right In: 7484.341+/-1.285 χ^2/NDF: 2501050.5/29

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6858.711+/-1.196 χ^2/NDF: 4144561.2/31

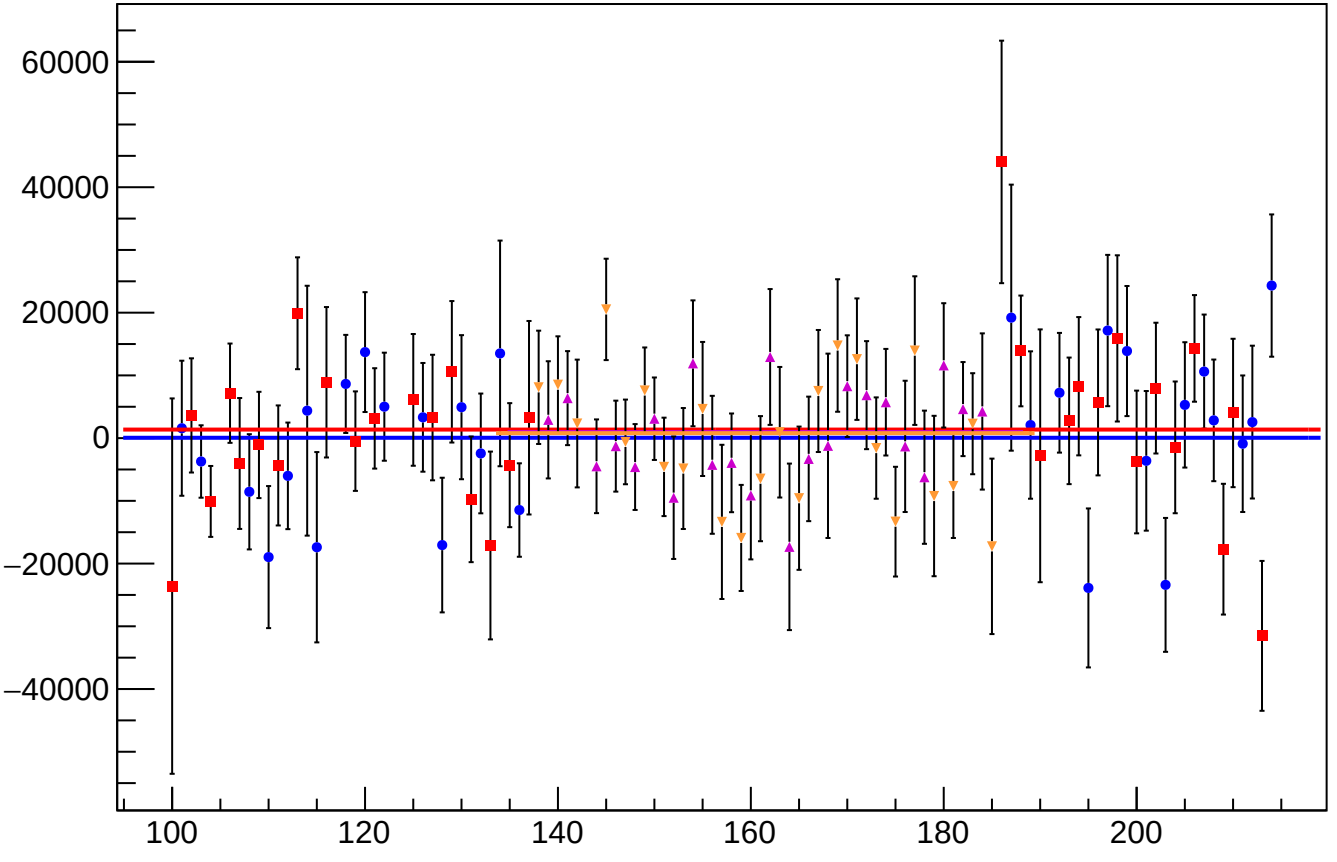
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7773.825+/-0.933 χ^2/NDF: 3696163.7/53

All: 7563.355+/-0.646 χ^2/NDF: 9579762.1/10

- sign 7369.515+/-0.896 χ^2/NDF: 5785931.8/54

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: 56.199+/-1835.448 χ^2/NDF: 35.5/29

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 1363.025+/-1785.718 χ^2/NDF: 37.6/31

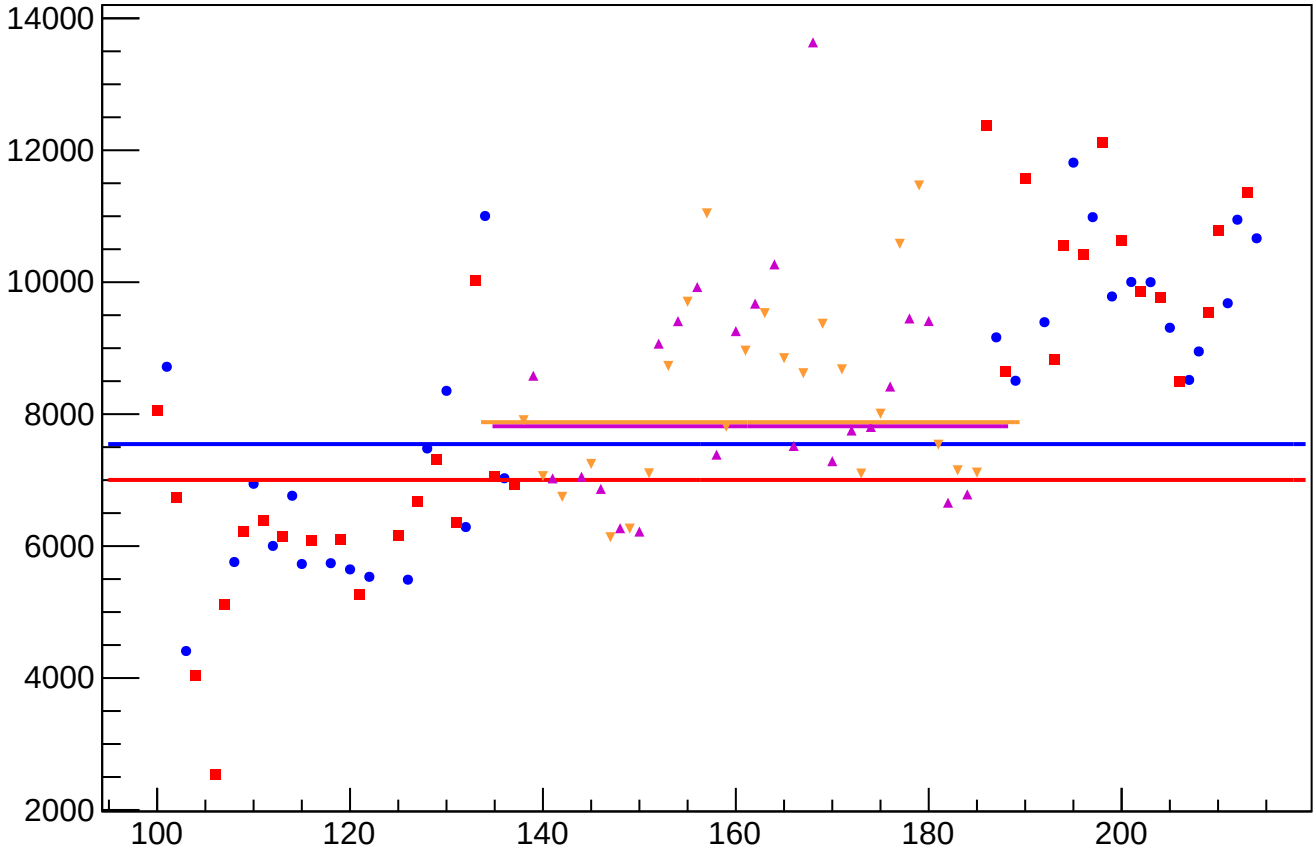
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 417.840+/-1308.219 χ^2/NDF: 62.8/53

All: 800.560+/-917.865 χ^2/NDF: 113.4/108

- sign 1171.616+/-1288.129 χ^2/NDF: 50.4/54

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7546.022+/-1.298 χ^2/NDF: 2625610.8/29

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

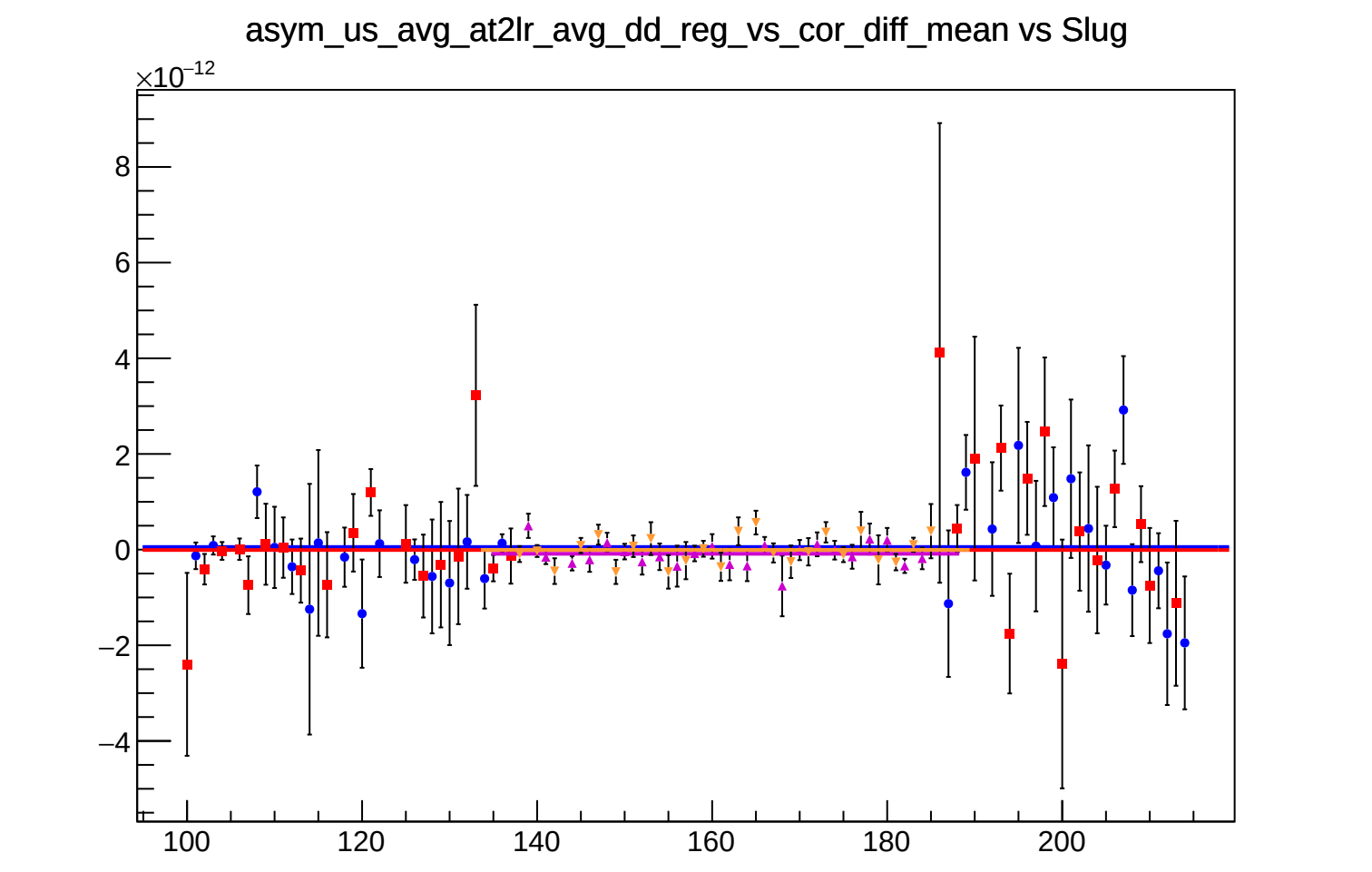
Right Out: 7002.801+/-1.233 χ^2/NDF: 4359642.9/31

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

\+ sign 7709.587+/-0.925 χ^2/NDF: 3647952.7/53

All: 7541.941+/-0.645 χ^2/NDF: 9407562.0/10

\- sign 7383.422+/-0.900 χ^2/NDF: 5695709.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

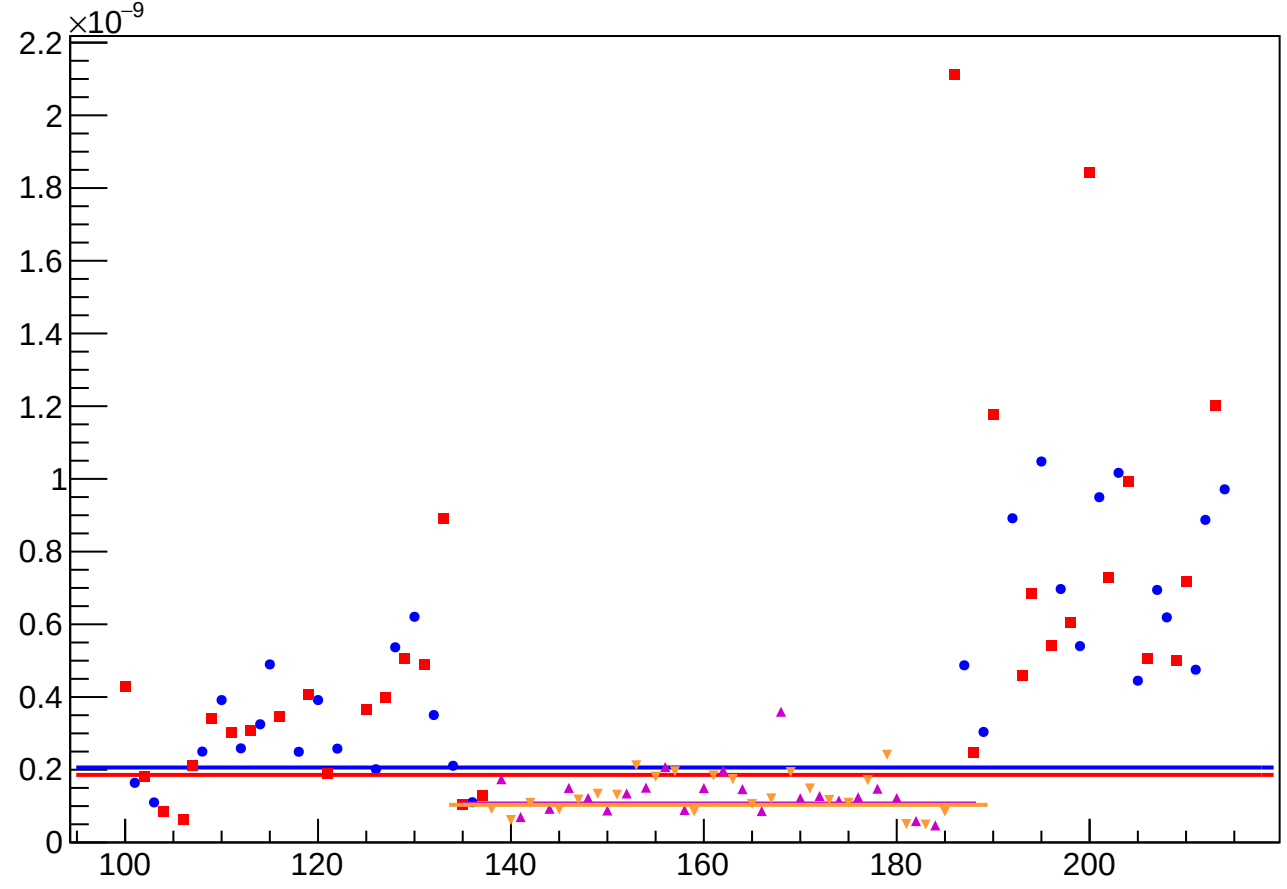
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/31

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.5/53

All: -0.000+/-0.000 χ^2/NDF: 115.1/108

- sign -0.000+/-0.000 χ^2/NDF: 55.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 6113945.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

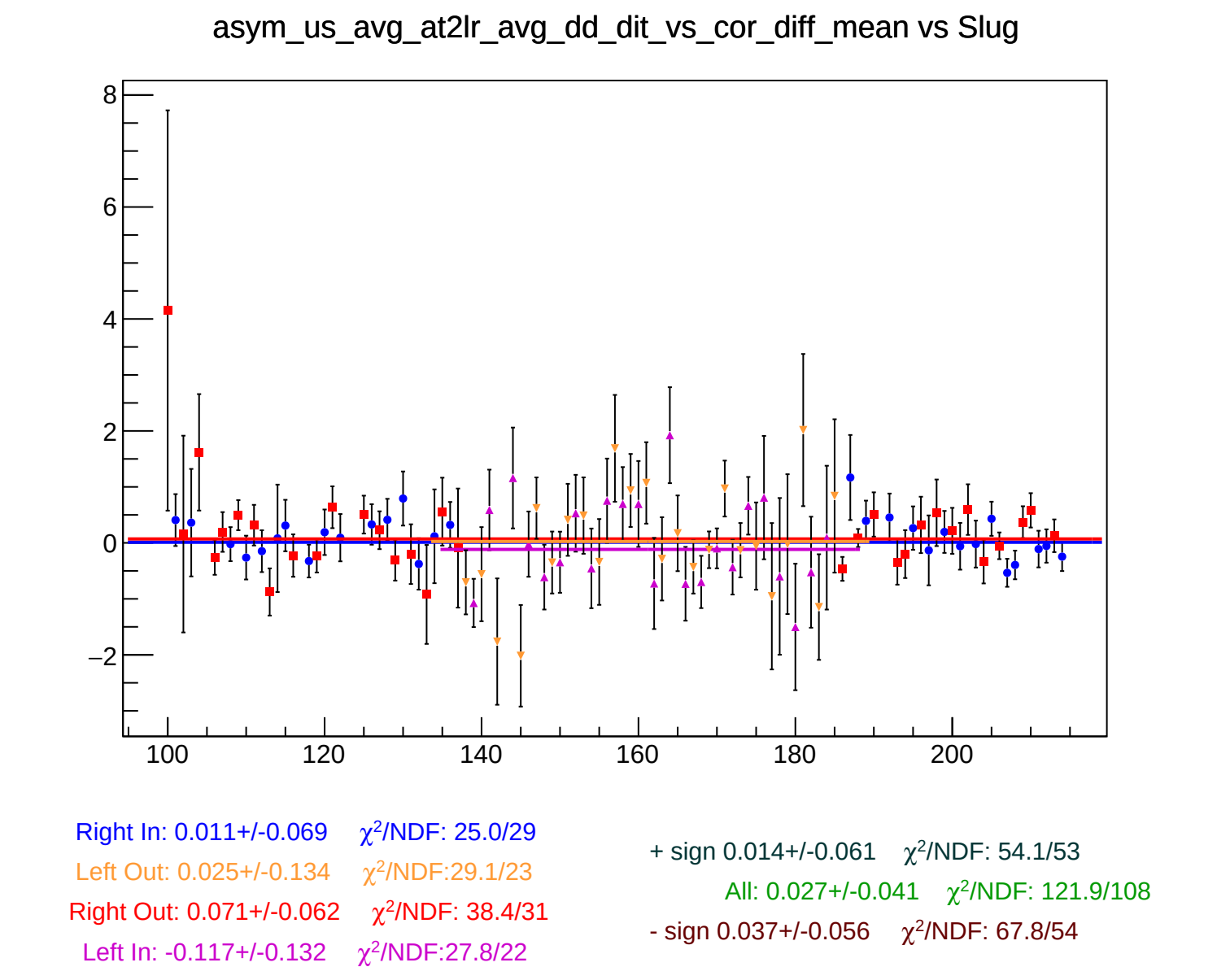
Right Out: 0.000+/-0.000 χ^2/NDF: 7501508.4/31

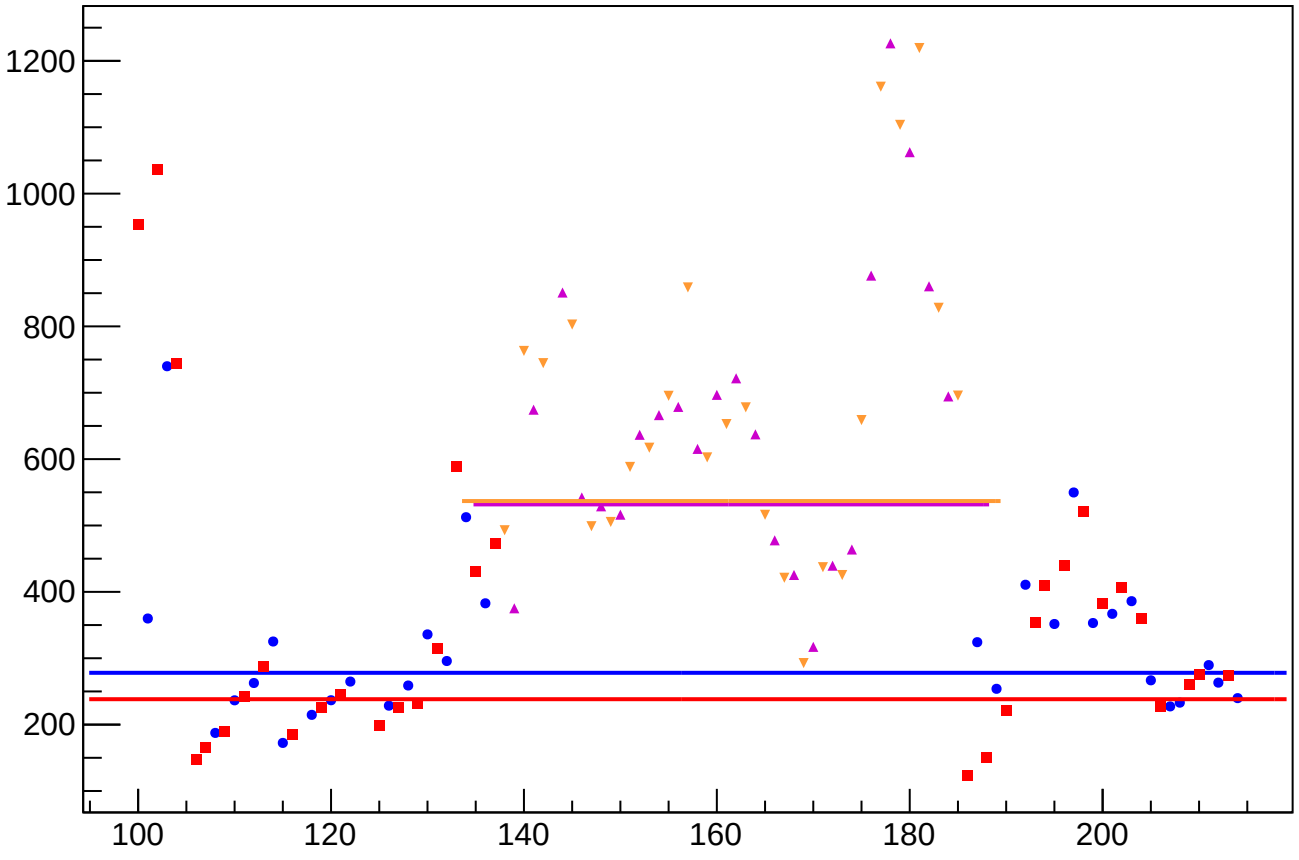
Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9840447.6/53

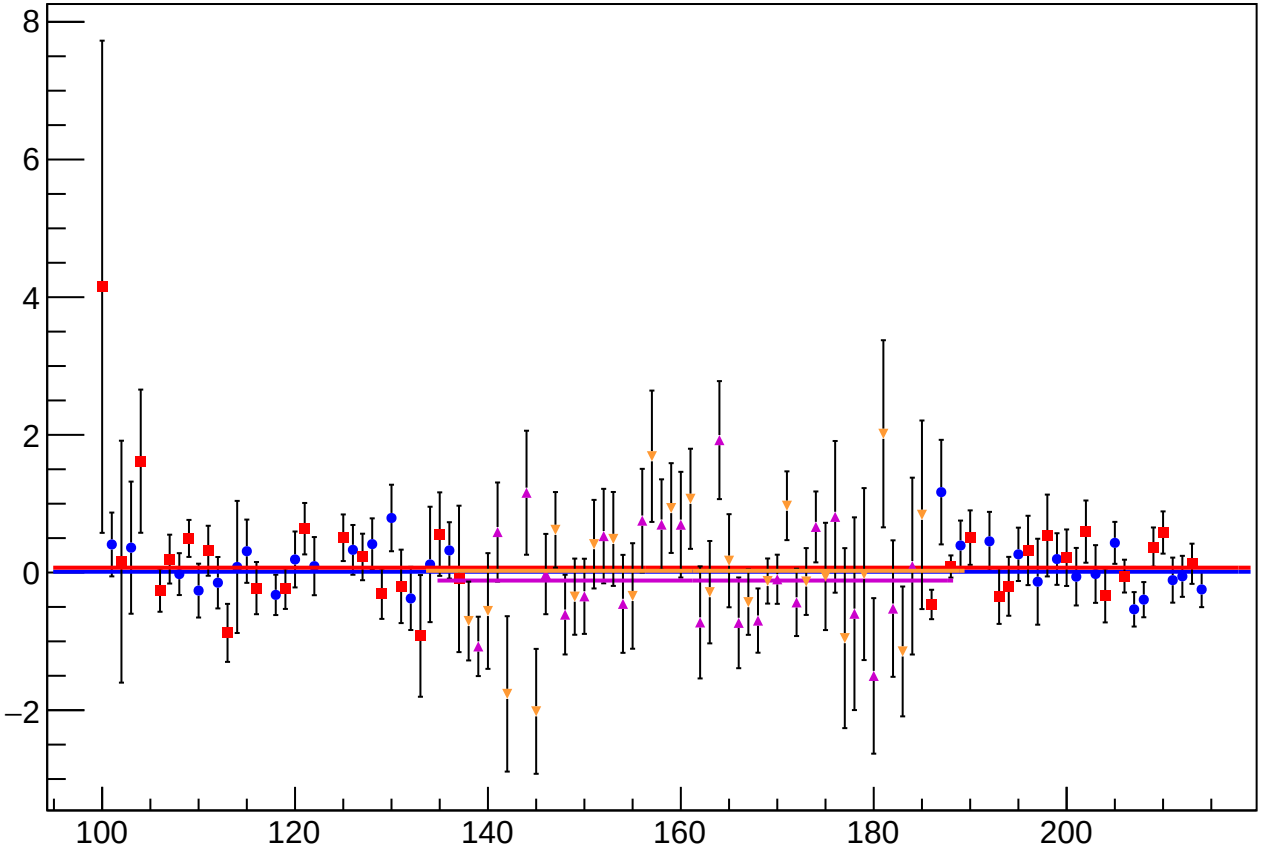
All: 0.000+/-0.000 χ^2/NDF: 20031832.1/108

- sign 0.000+/-0.000 χ^2/NDF: 10191189.8/54


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.011+/-0.069 χ²/NDF: 25.0/29
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.071+/-0.062 χ²/NDF: 38.4/31
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.014+/-0.061 χ²/NDF: 54.1/53
All: 0.027+/-0.041 χ²/NDF: 121.9/108
- sign 0.037+/-0.056 χ²/NDF: 67.8/54


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 278.060+/-0.049 χ²/NDF: 2477057.2/29
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 238.297+/-0.044 χ²/NDF: 5269460.3/31
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 332.135+/-0.043 χ²/NDF: 12342296.9/53
All: 309.789+/-0.029 χ²/NDF: 29536559.8/10
- sign 291.011+/-0.040 χ²/NDF: 16704245.2/54

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.069 χ^2/NDF: 25.0/29

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

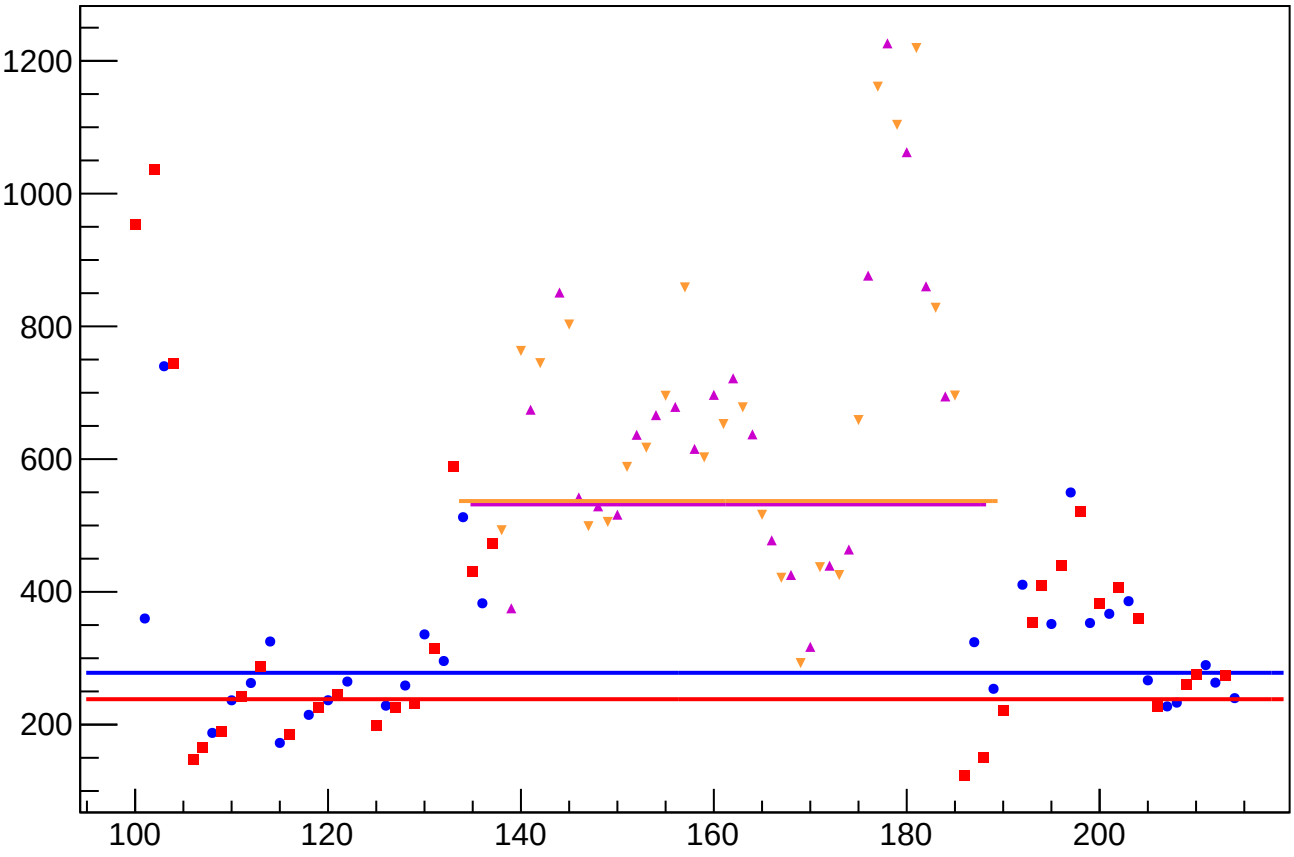
Right Out: 0.071+/-0.062 χ^2/NDF: 38.4/31

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.014+/-0.061 χ^2/NDF: 54.1/53

All: 0.027+/-0.041 χ^2/NDF: 121.9/108

- sign 0.037+/-0.056 χ^2/NDF: 67.8/54



Right In: 278.060+/-0.049 χ^2/NDF: 2477057.2/29

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

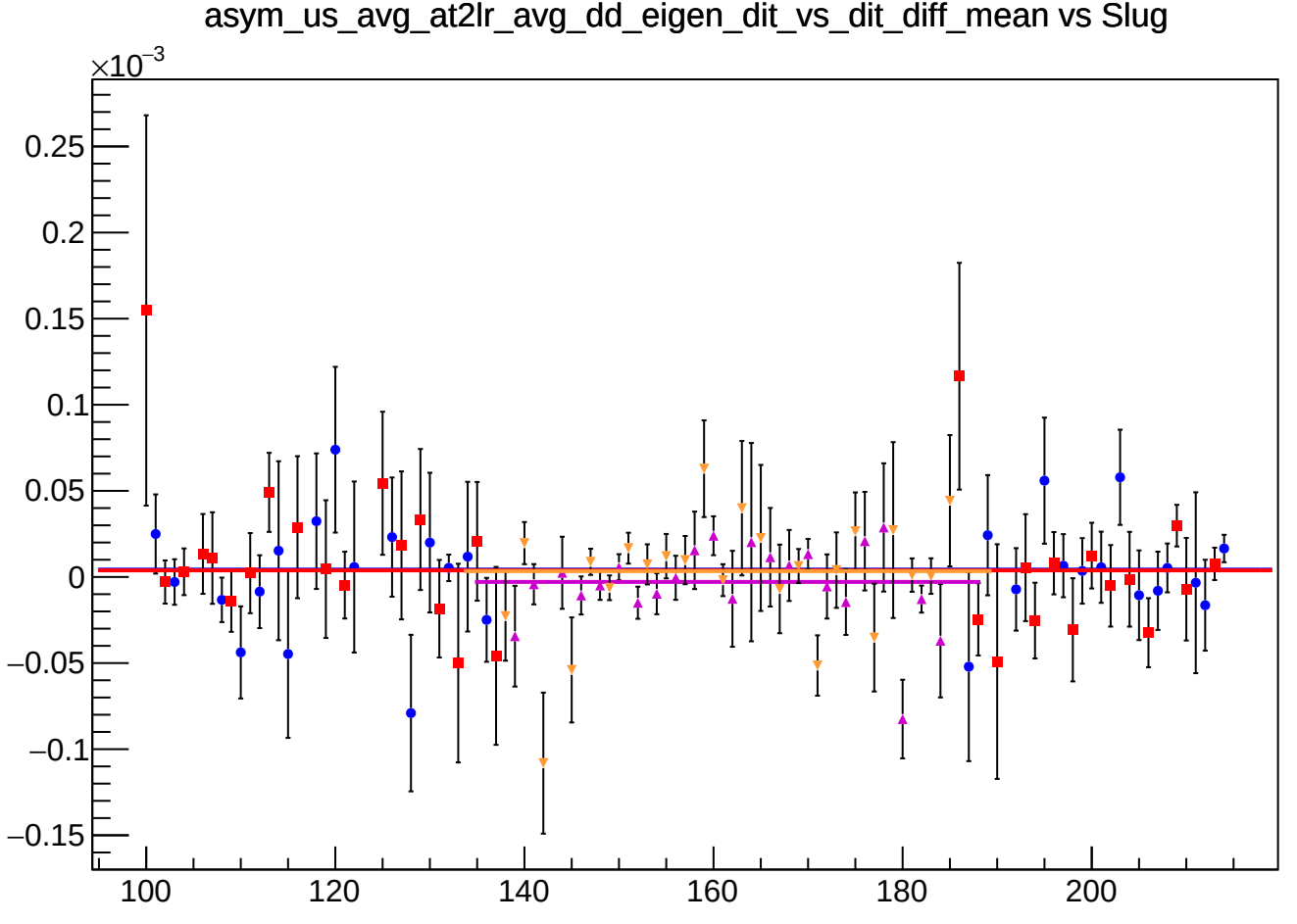
Right Out: 238.297+/-0.044 χ^2/NDF: 5269460.3/31

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 332.135+/-0.043 χ^2/NDF: 12342296.9/53

All: 309.789+/-0.029 χ^2/NDF: 29536559.8/10

- sign 291.011+/-0.040 χ^2/NDF: 16704245.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

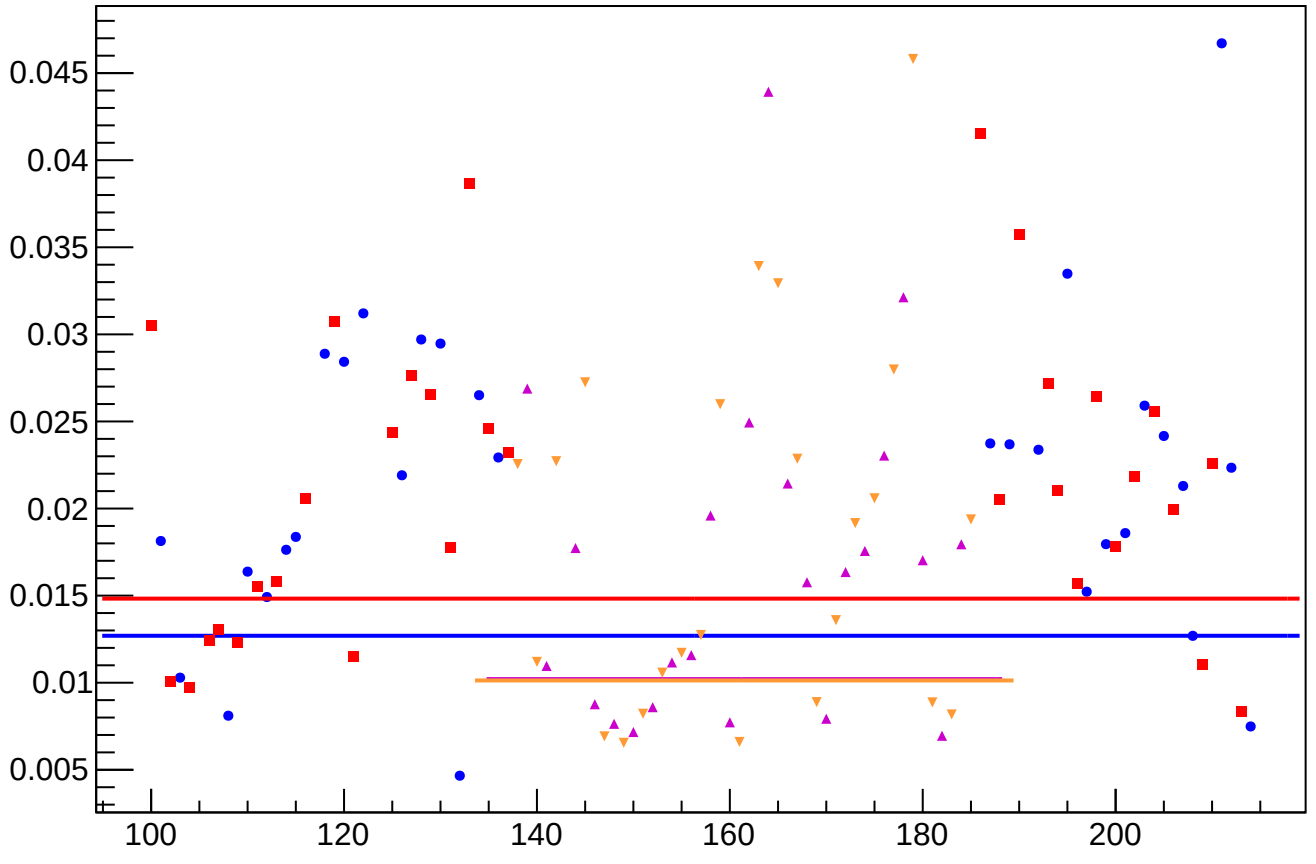
Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.6/53

All: 0.000+/-0.000 χ^2/NDF: 131.4/108

- sign -0.000+/-0.000 χ^2/NDF: 63.8/54



Right In: 0.013+/-0.000 χ^2/NDF: 9644903.9/29

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

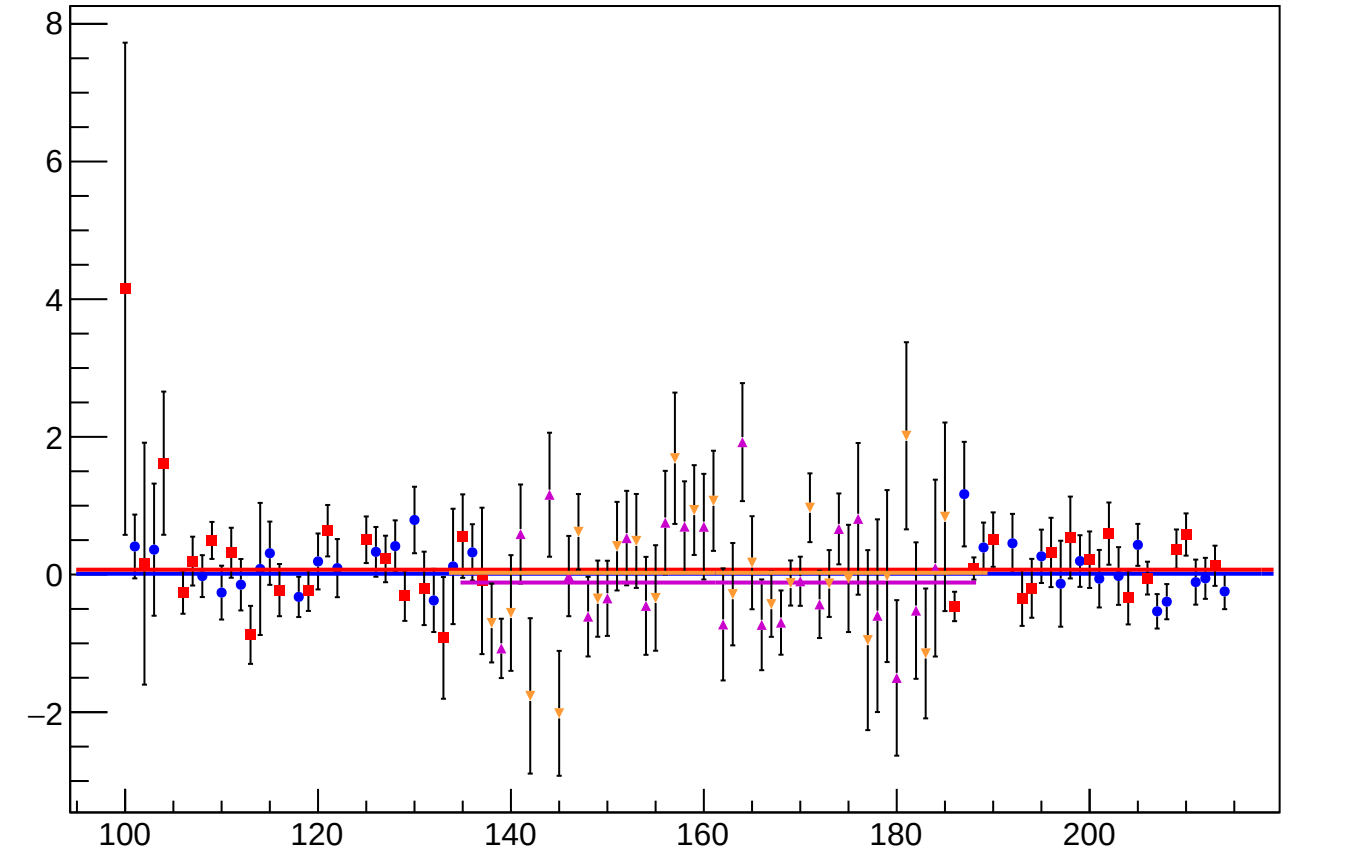
Right Out: 0.015+/-0.000 χ^2/NDF: 5500993.9/31

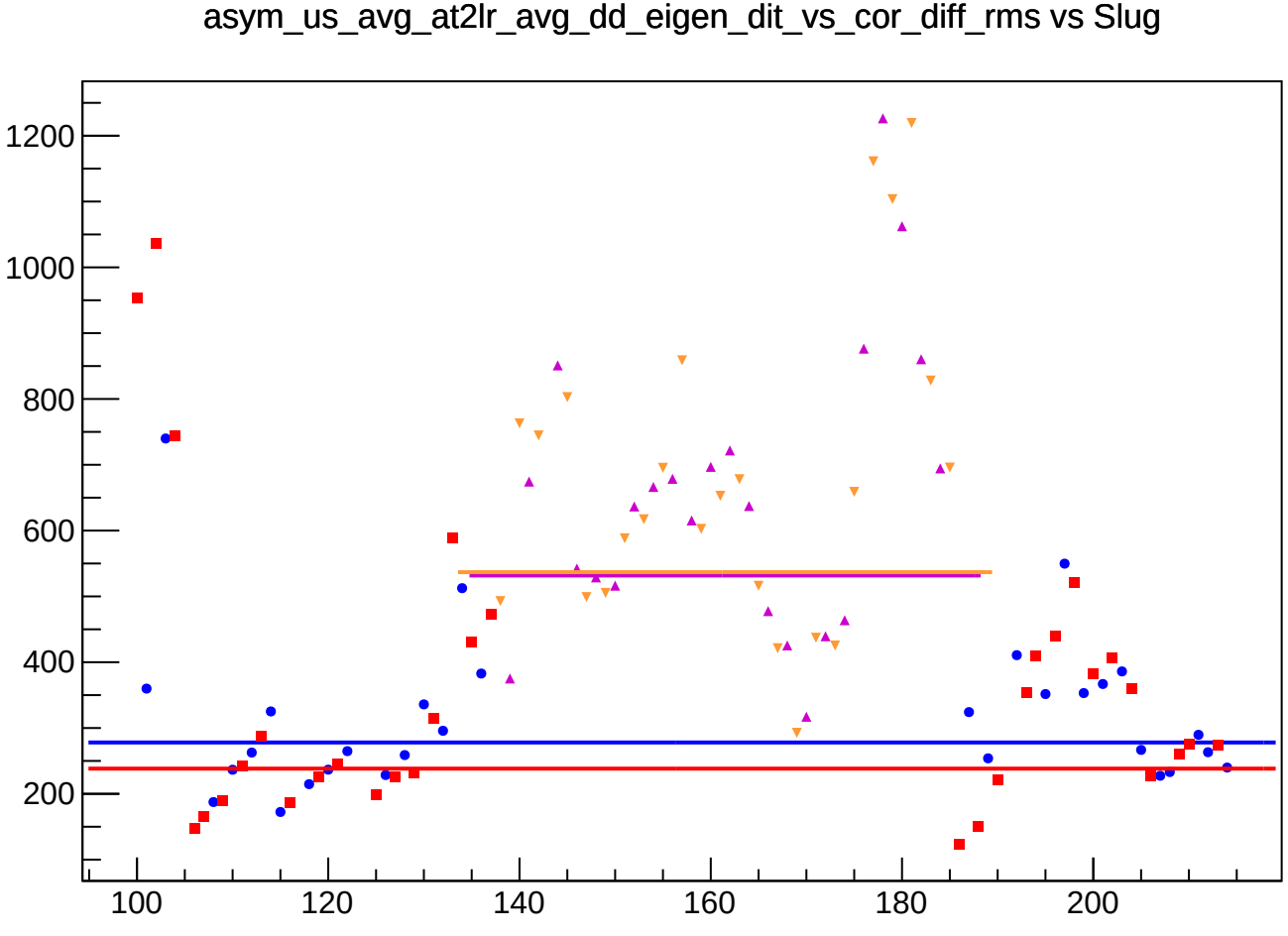
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 18112023.5/53

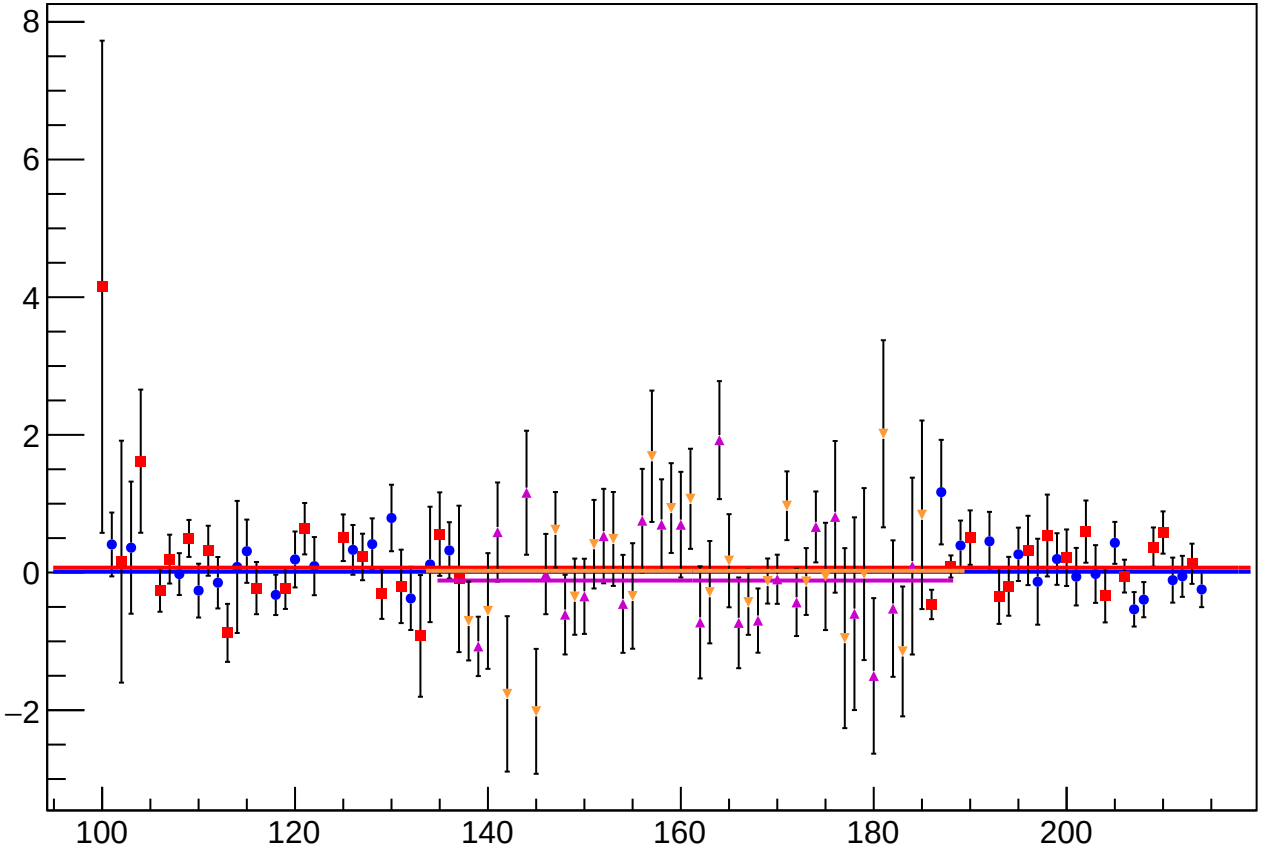
All: 0.011+/-0.000 χ^2/NDF: 31698032.3/108

- sign 0.012+/-0.000 χ^2/NDF: 13484064.8/54


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.011+/-0.069 χ²/NDF: 25.0/29
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.071+/-0.062 χ²/NDF: 38.4/31
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.014+/-0.061 χ²/NDF: 54.1/53
All: 0.027+/-0.041 χ²/NDF: 121.9/108
- sign 0.037+/-0.056 χ²/NDF: 67.8/54


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 278.058+/-0.049 χ²/NDF: 2477071.3/29
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 238.295+/-0.044 χ²/NDF: 5269598.0/31
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 332.134+/-0.043 χ²/NDF: 12342550.8/53
All: 309.786+/-0.029 χ²/NDF: 29537318.8/10
- sign 291.008+/-0.040 χ²/NDF: 16704714.2/54

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.069 χ^2/NDF: 25.0/29

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

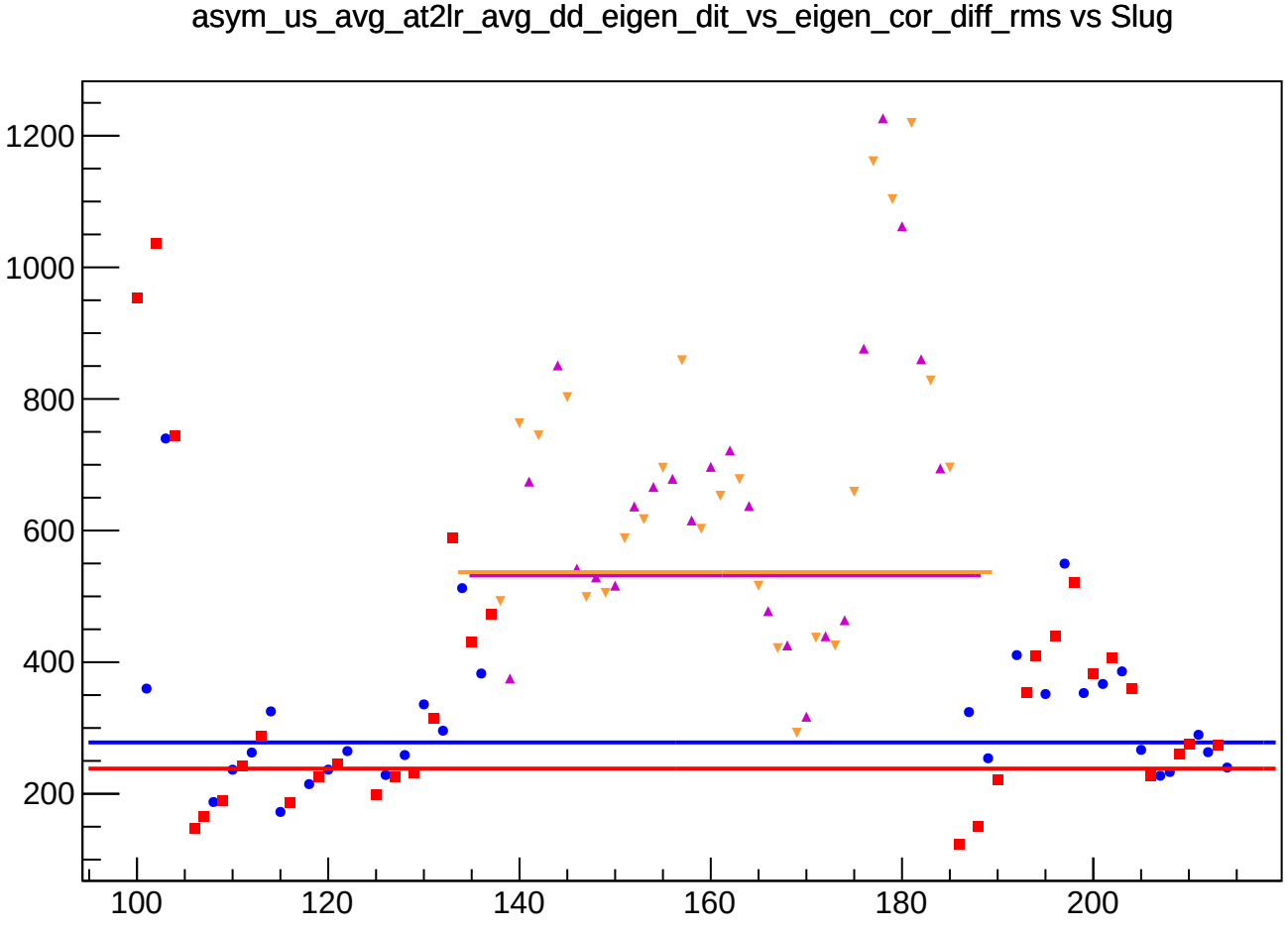
Right Out: 0.071+/-0.062 χ^2/NDF: 38.4/31

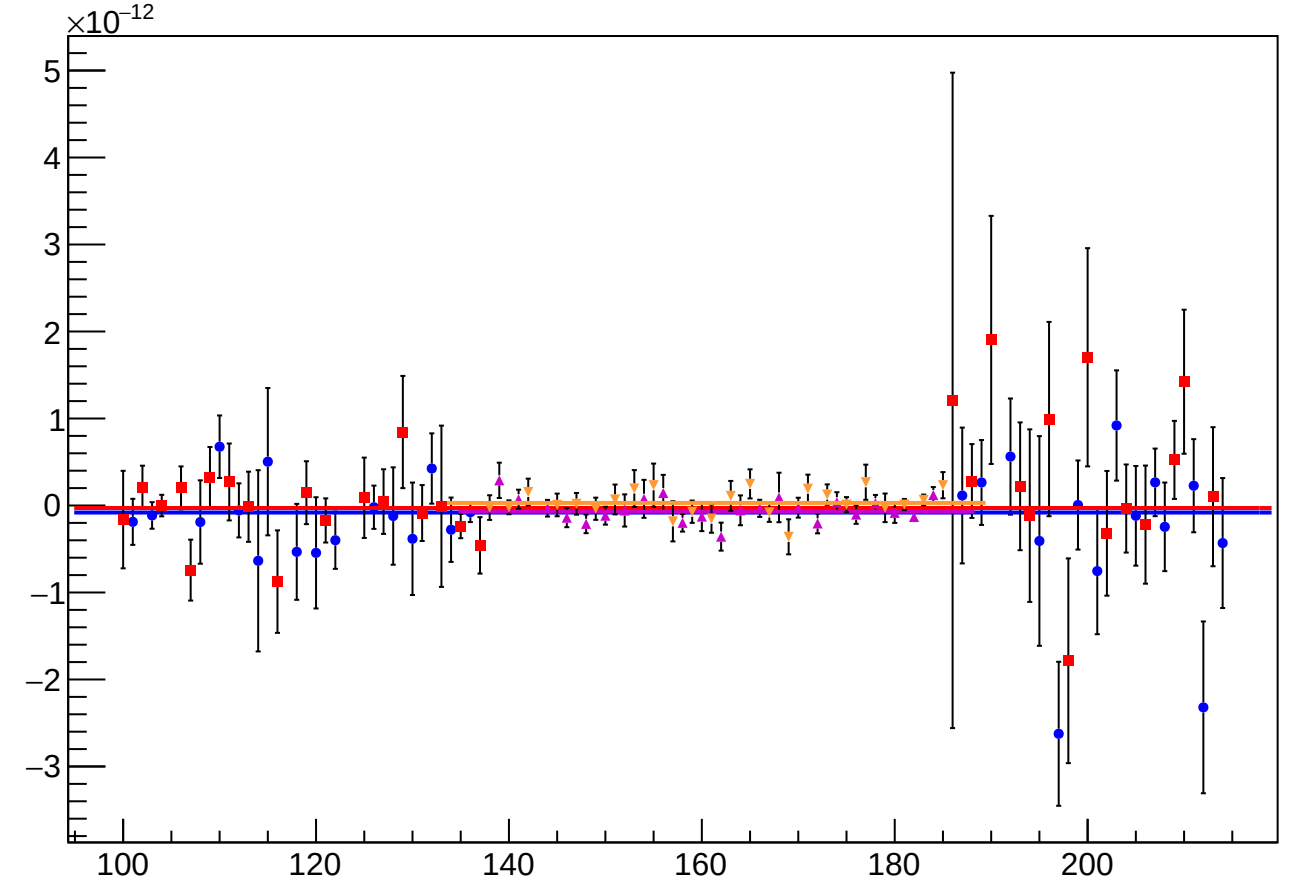
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.014+/-0.061 χ^2/NDF: 54.1/53

All: 0.027+/-0.041 χ^2/NDF: 121.9/108

- sign 0.037+/-0.056 χ^2/NDF: 67.8/54


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 278.058+/-0.049 χ²/NDF: 2477071.3/29
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 238.295+/-0.044 χ²/NDF: 5269598.0/31
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 332.134+/-0.043 χ²/NDF: 12342550.8/53
All: 309.786+/-0.029 χ²/NDF: 29537318.8/10
- sign 291.008+/-0.040 χ²/NDF: 16704714.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 30.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

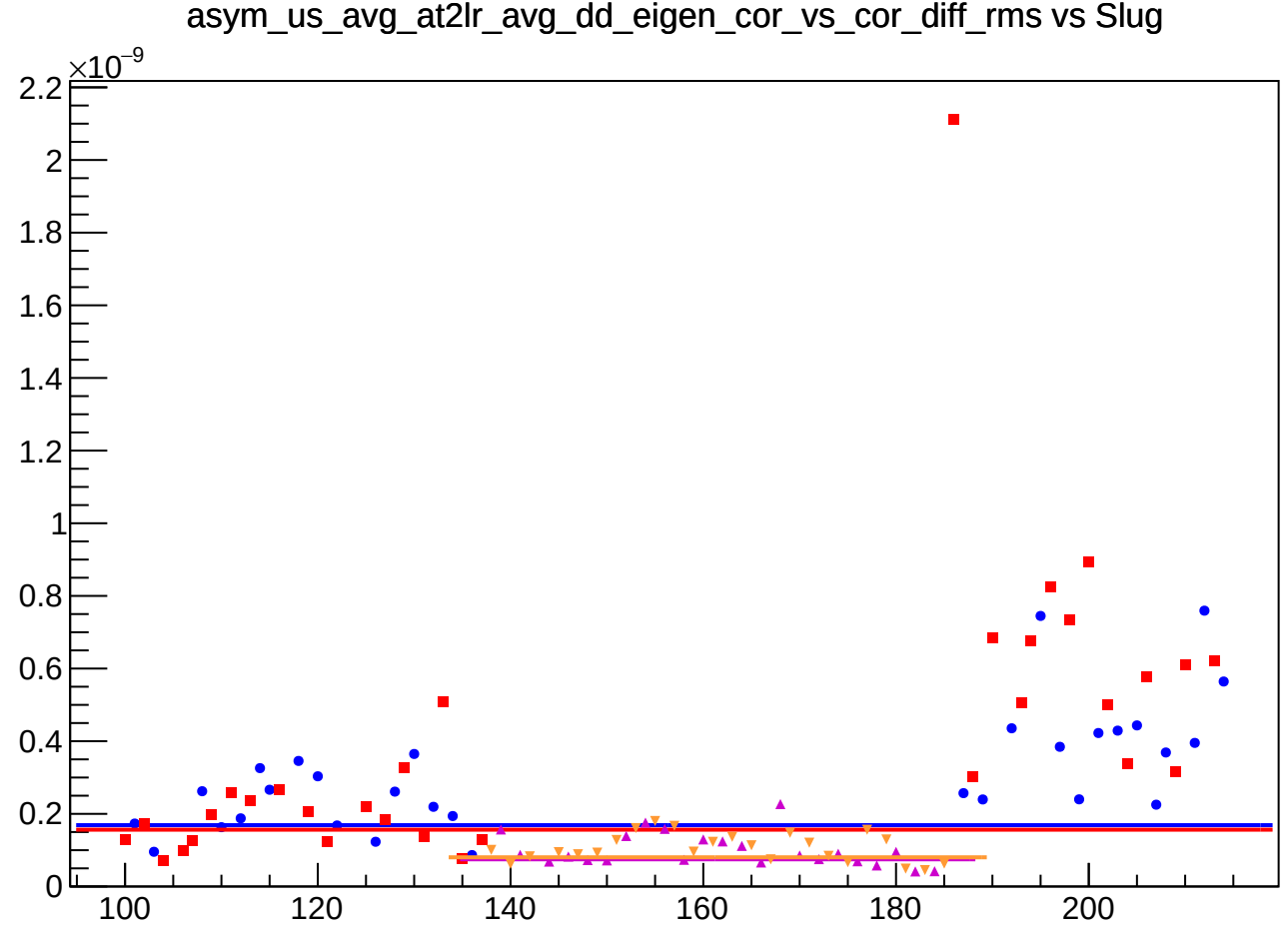
Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/31

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.1/53

All: -0.000+/-0.000 χ^2/NDF: 109.8/108

- sign -0.000+/-0.000 χ^2/NDF: 52.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 6357061.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9530737.6/31

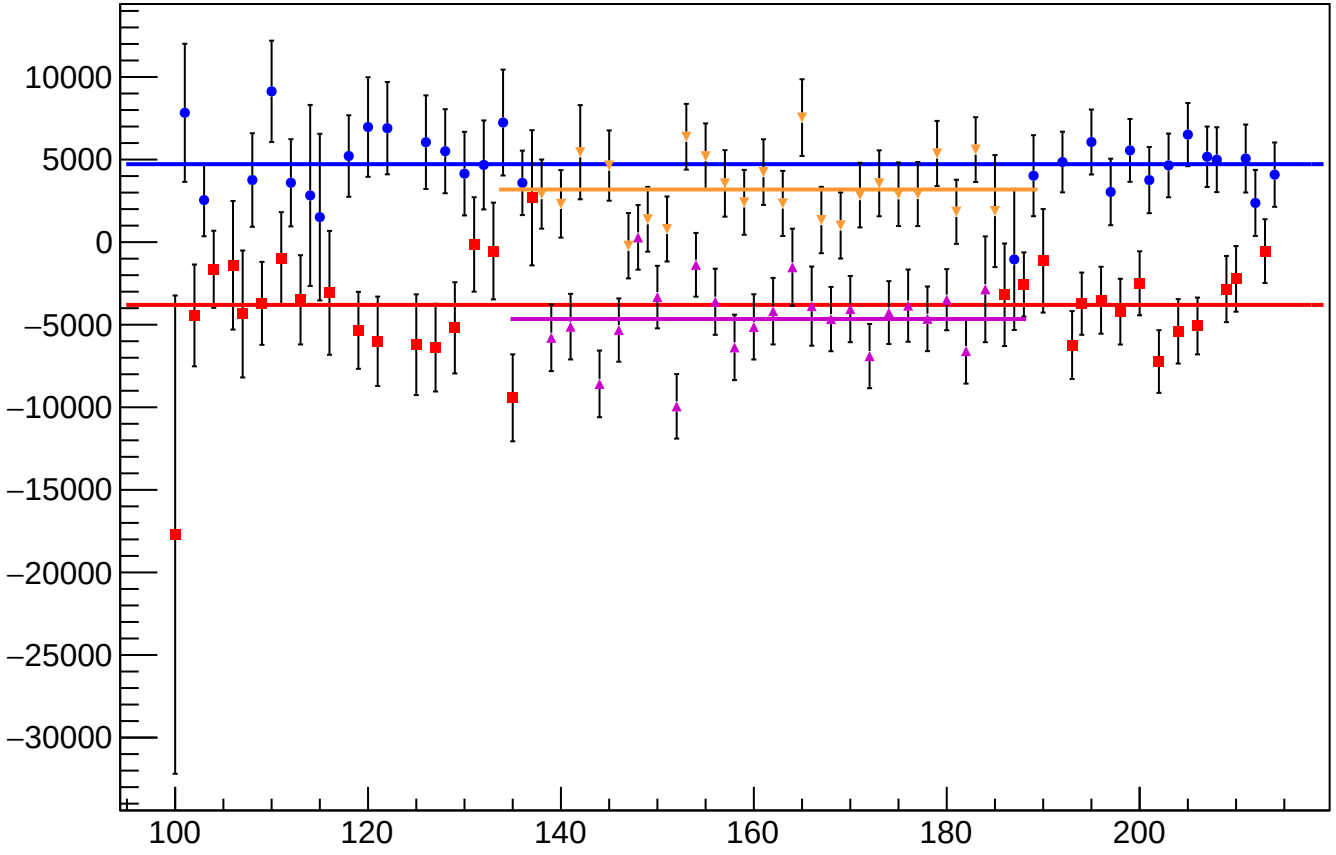
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13475867.9/53

All: 0.000+/-0.000 χ^2/NDF: 29870153.8/108

- sign 0.000+/-0.000 χ^2/NDF: 16305077.4/54

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4721.117+/-428.537 χ^2/NDF: 12.9/29

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3800.933+/-427.760 χ^2/NDF: 27.4/31

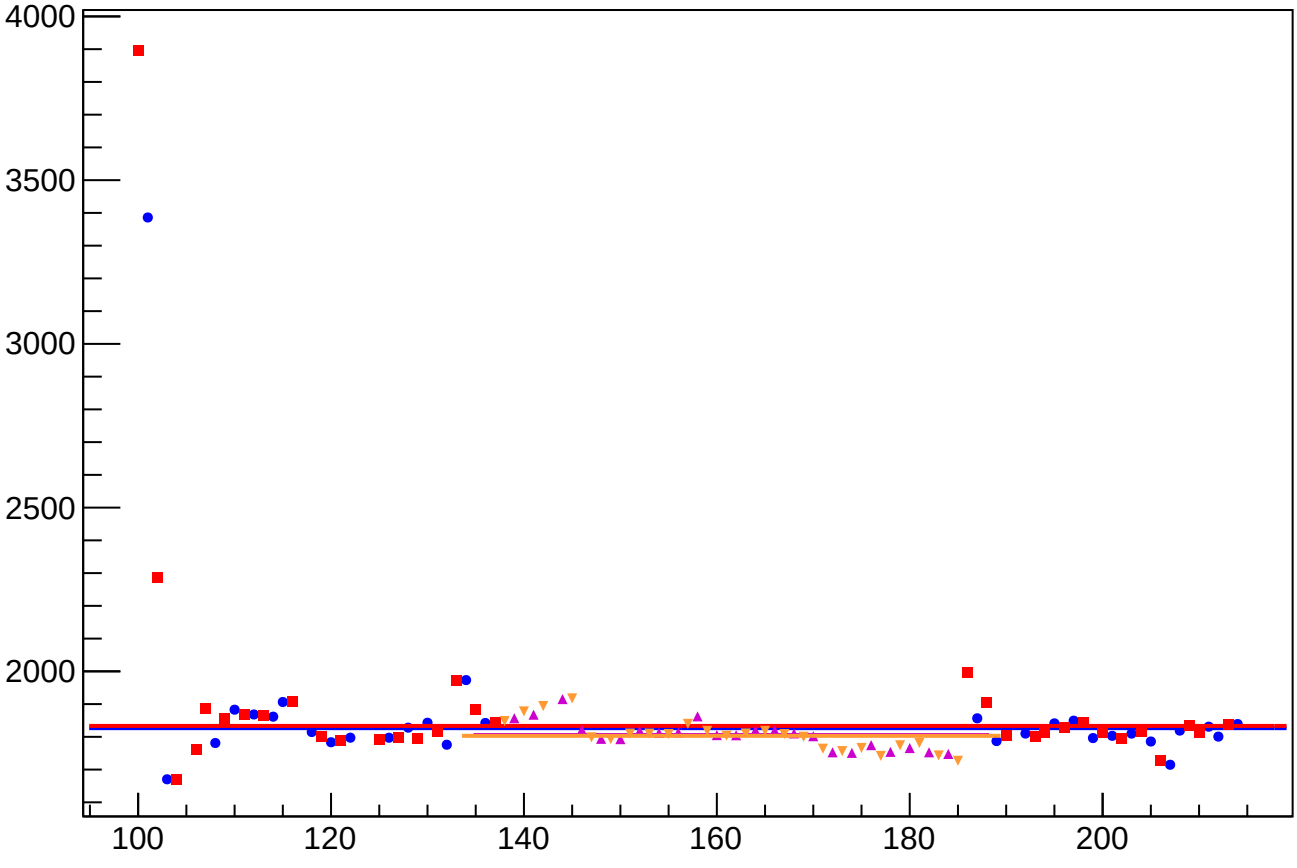
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3936.164+/-299.453 χ^2/NDF: 39.3/53

All: -137.418+/-212.045 χ^2/NDF: 467.7/108

- sign -4234.173+/-300.304 χ^2/NDF: 57.2/54

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.484+/-0.303 χ^2/NDF: 307699.7/29

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

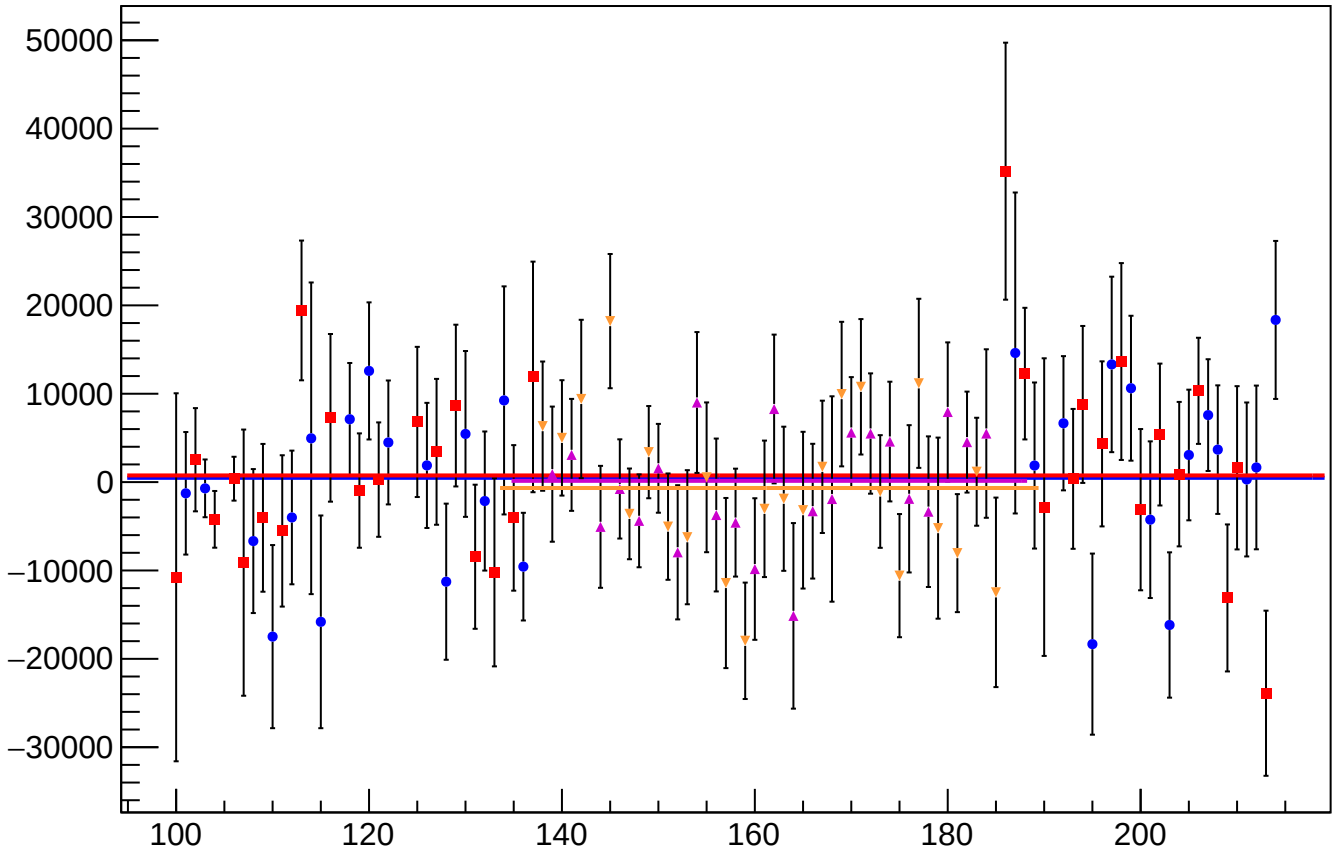
Right Out: 1833.328+/-0.302 χ^2/NDF: 121604.6/31

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1814.526+/-0.212 χ^2/NDF: 331384.3/53

All: 1816.888+/-0.150 χ^2/NDF: 476832.6/108

- sign 1819.261+/-0.212 χ^2/NDF: 145198.8/54



Right In: 485.491+/-1393.996 χ^2/NDF: 33.3/29

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

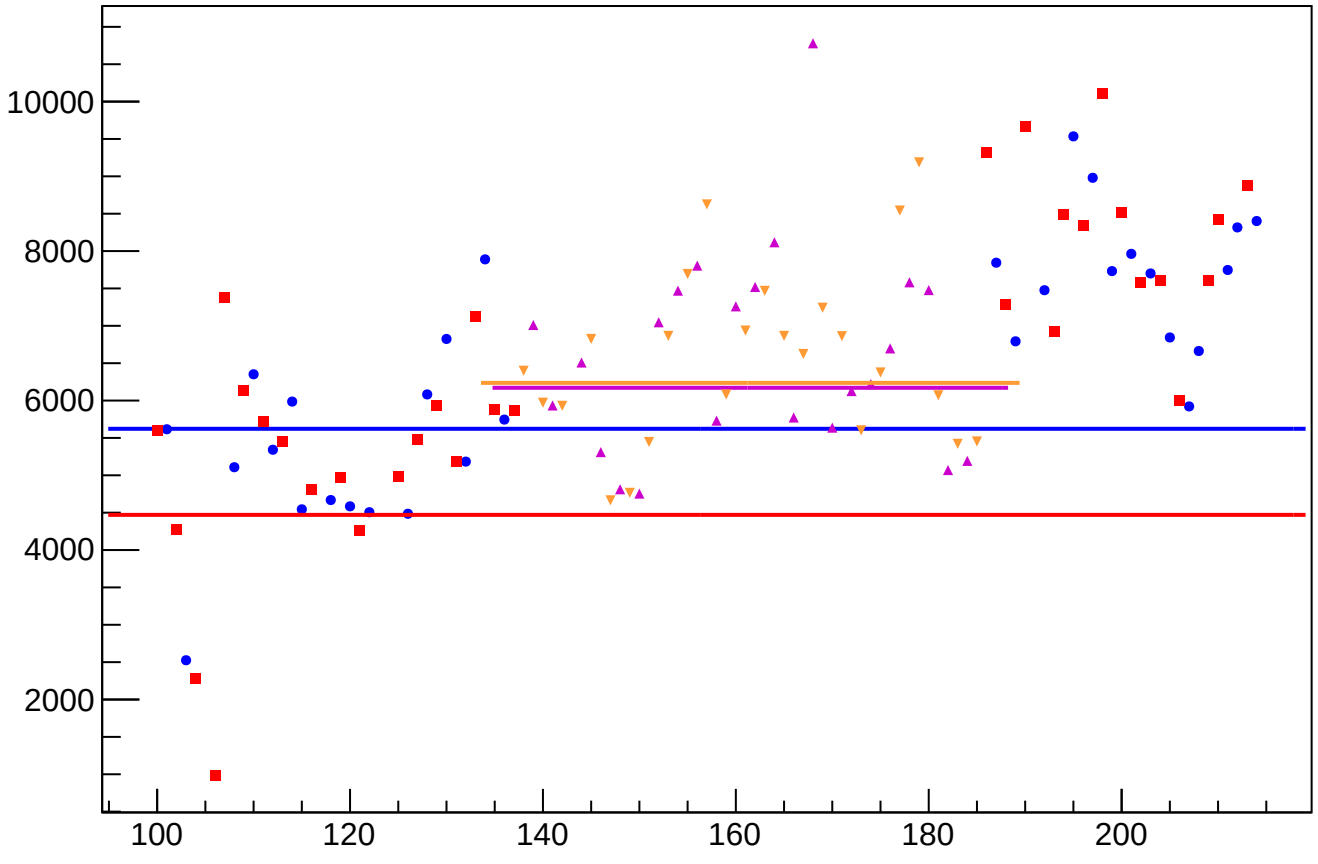
Right Out: 755.157+/-1225.772 χ^2/NDF: 38.1/31

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -56.878+/-1014.359 χ^2/NDF: 63.4/53

All: 244.633+/-690.173 χ^2/NDF: 115.4/108

- sign 504.541+/-941.781 χ^2/NDF: 51.8/54



Right In: 5622.263+/-0.986 χ^2/NDF: 3805203.2/29

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4470.556+/-0.867 χ^2/NDF: 9814287.0/31

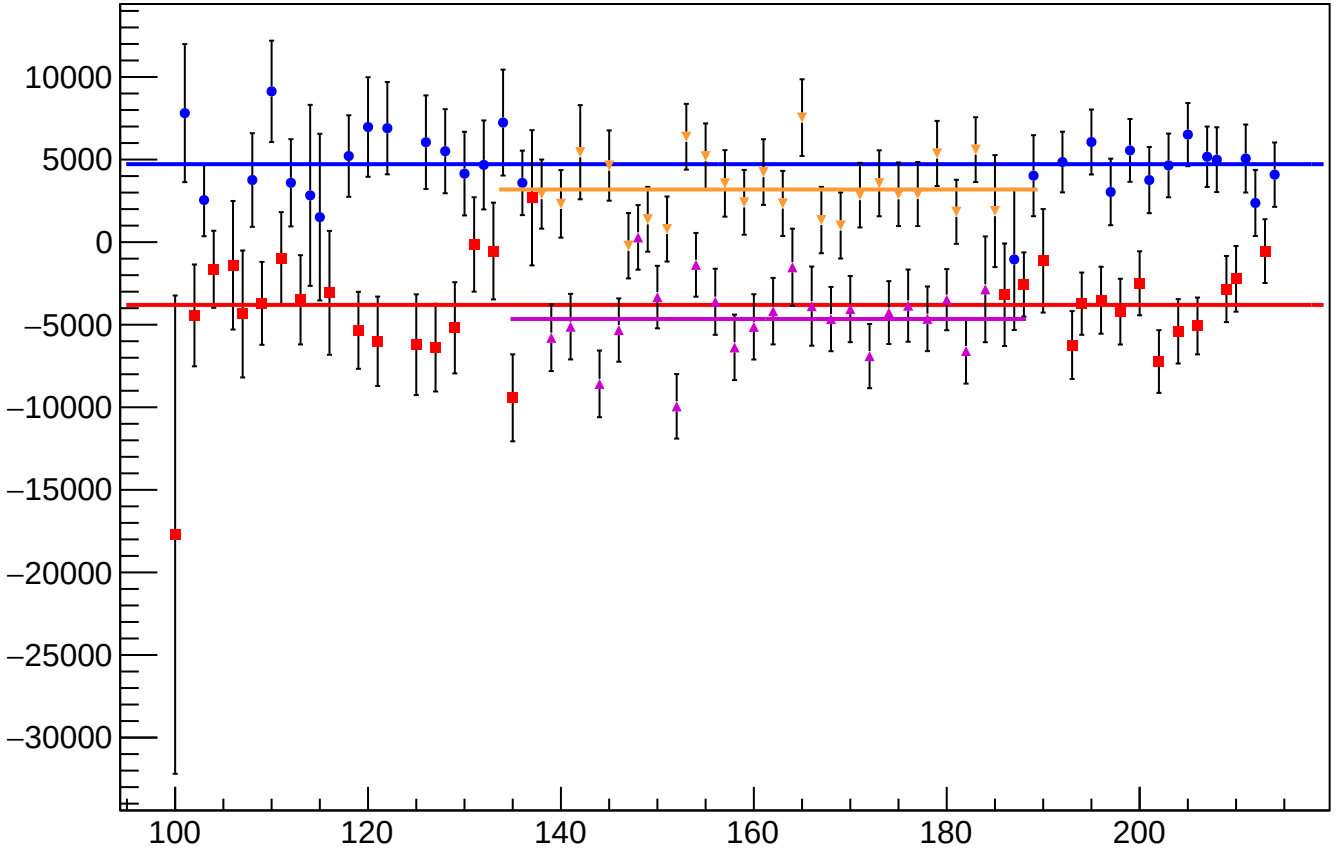
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5911.329+/-0.717 χ^2/NDF: 5055646.3/53

All: 5511.653+/-0.488 χ^2/NDF: 18262111.2/1

- sign 5167.125+/-0.666 χ^2/NDF: 12628305.9/54

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4720.953+/-428.537 χ^2/NDF: 12.9/29

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3800.862+/-427.760 χ^2/NDF: 27.4/31

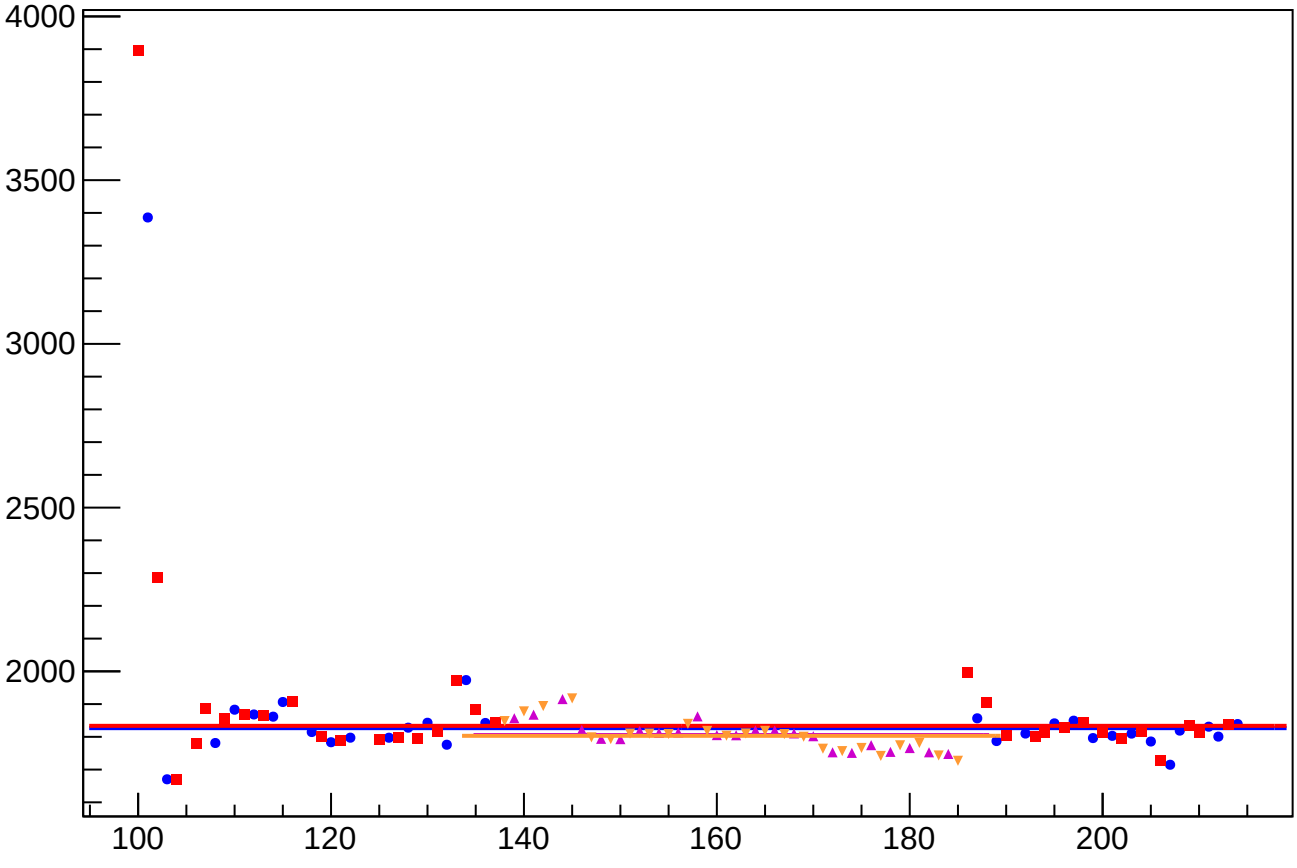
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3936.049+/-299.453 χ^2/NDF: 39.3/53

All: -137.463+/-212.045 χ^2/NDF: 467.6/108

- sign -4234.147+/-300.304 χ^2/NDF: 57.2/54

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.484+/-0.303 χ^2/NDF: 307701.6/29

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

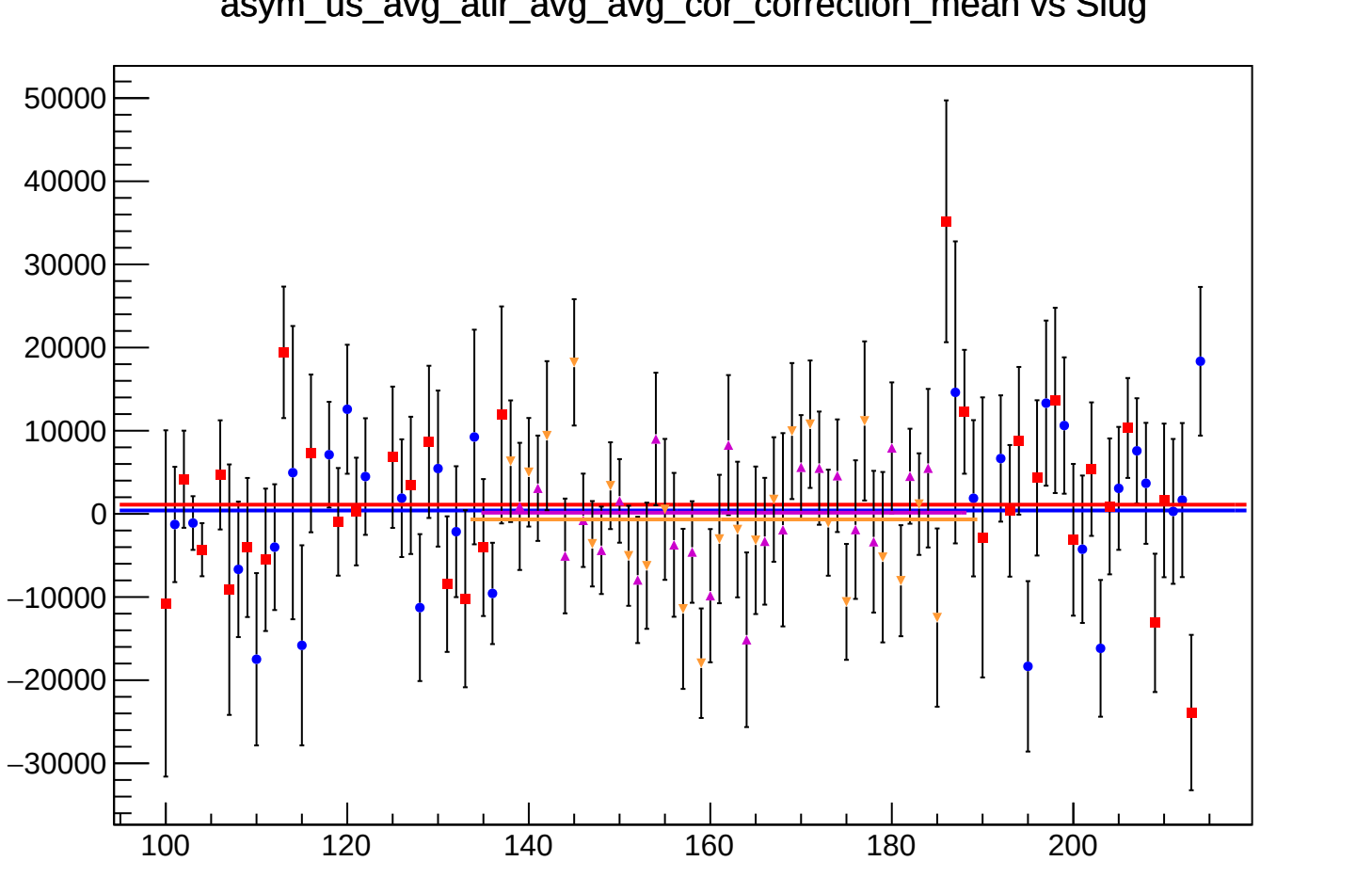
Right Out: 1833.591+/-0.302 χ^2/NDF: 121252.8/31

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.526+/-0.212 χ^2/NDF: 331386.2/53

All: 1816.952+/-0.150 χ^2/NDF: 476577.1/108

- sign 1819.389+/-0.212 χ^2/NDF: 144927.9/54



Right In: 406.678+/-1390.879 χ^2/NDF: 33.4/29

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

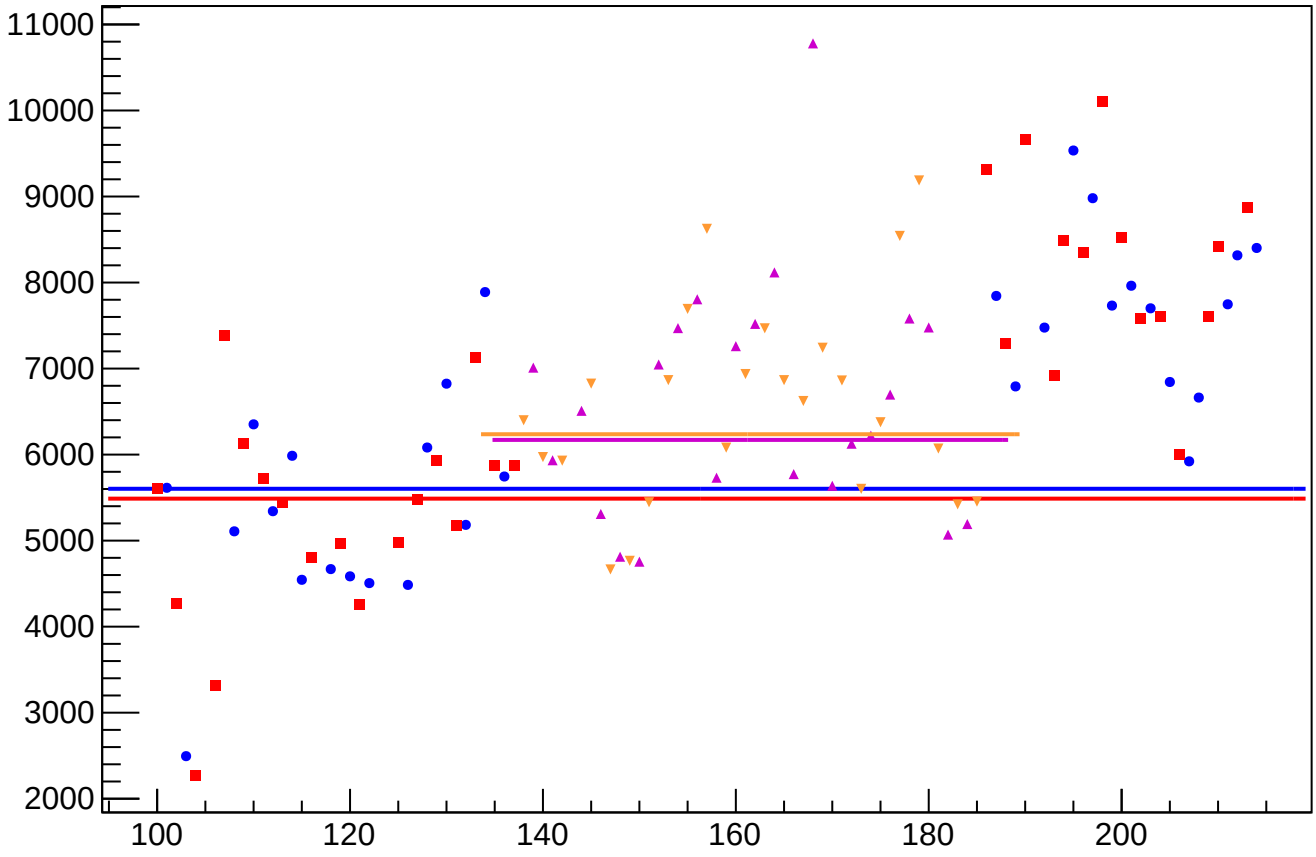
Right Out: 1106.257+/-1377.080 χ^2/NDF: 38.8/31

Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -97.412+/-1013.156 χ^2/NDF: 63.4/53

All: 282.508+/-713.661 χ^2/NDF: 116.3/108

- sign 656.652+/-1005.425 χ^2/NDF: 52.6/54



Right In: 5602.703+/-0.983 χ^2/NDF: 3885733.1/29

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

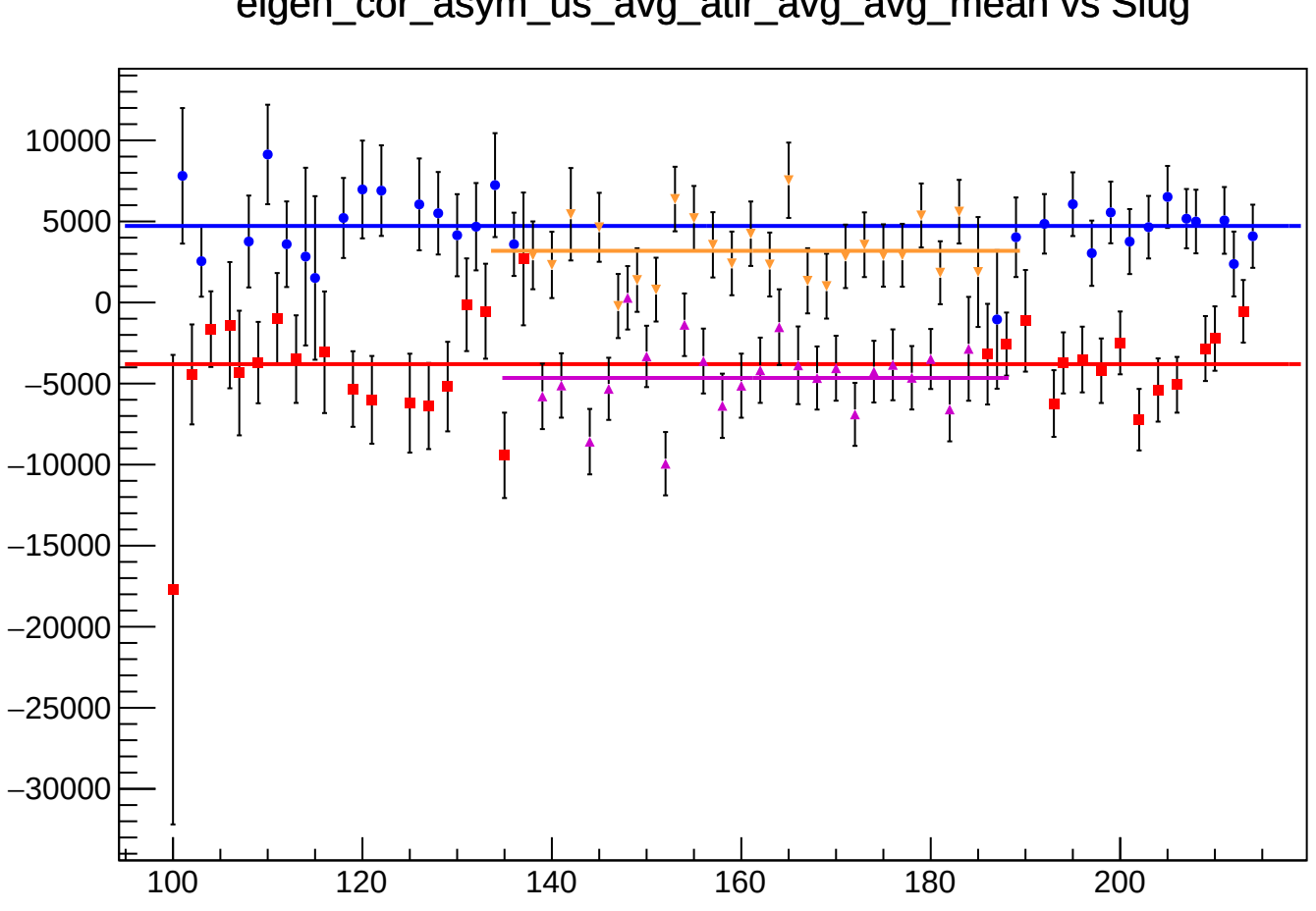
Right Out: 5488.020+/-0.974 χ^2/NDF: 4848641.1/31

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5900.265+/-0.716 χ^2/NDF: 5148415.3/53

All: 5853.189+/-0.505 χ^2/NDF: 11472760.8/1

- sign 5806.828+/-0.711 χ^2/NDF: 6315775.1/54



Right In: 4720.953+/-428.537 χ^2/NDF: 12.9/29

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3800.862+/-427.760 χ^2/NDF: 27.4/31

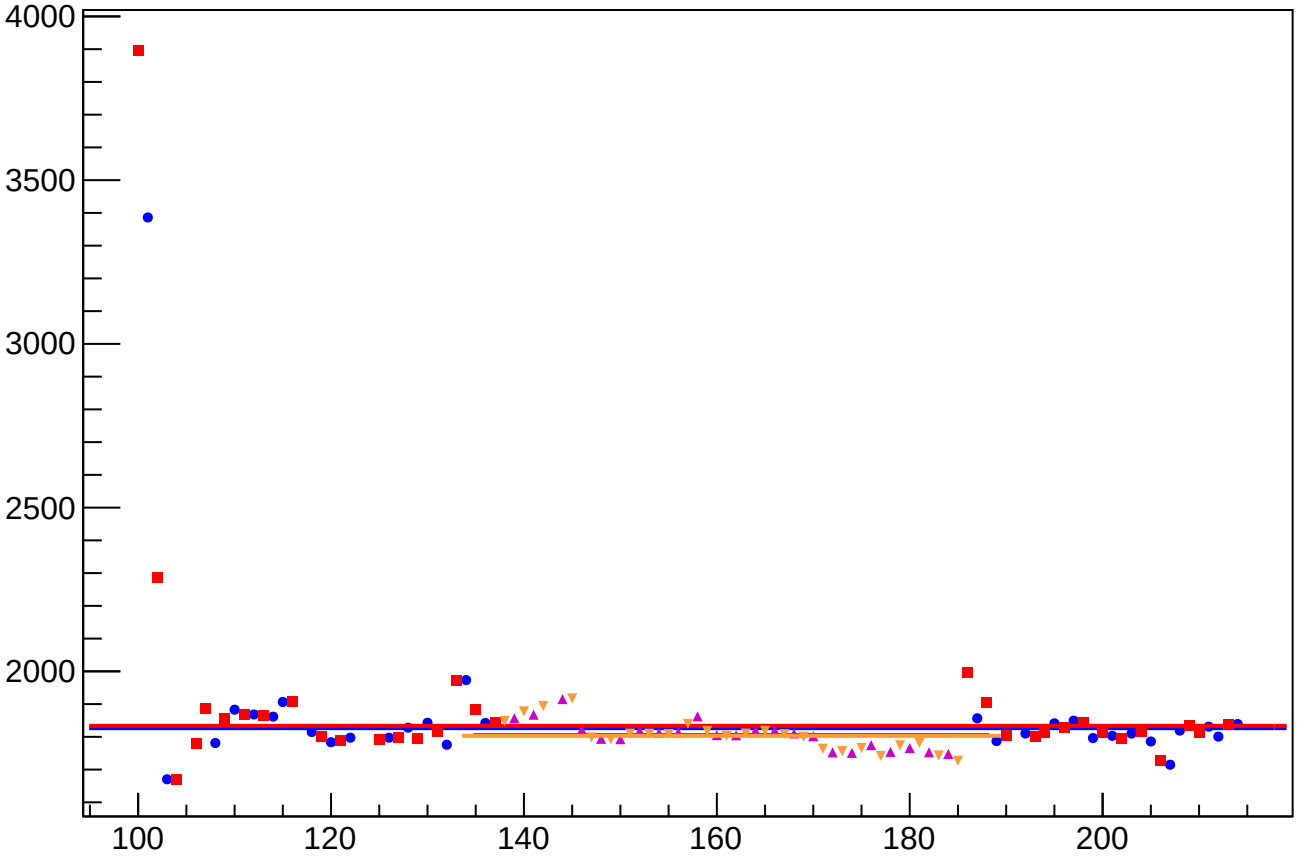
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3936.049+/-299.453 χ^2/NDF: 39.3/53

All: -137.463+/-212.045 χ^2/NDF: 467.6/108

- sign -4234.147+/-300.304 χ^2/NDF: 57.2/54

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1826.484+/-0.303 χ^2/NDF: 307701.6/29

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

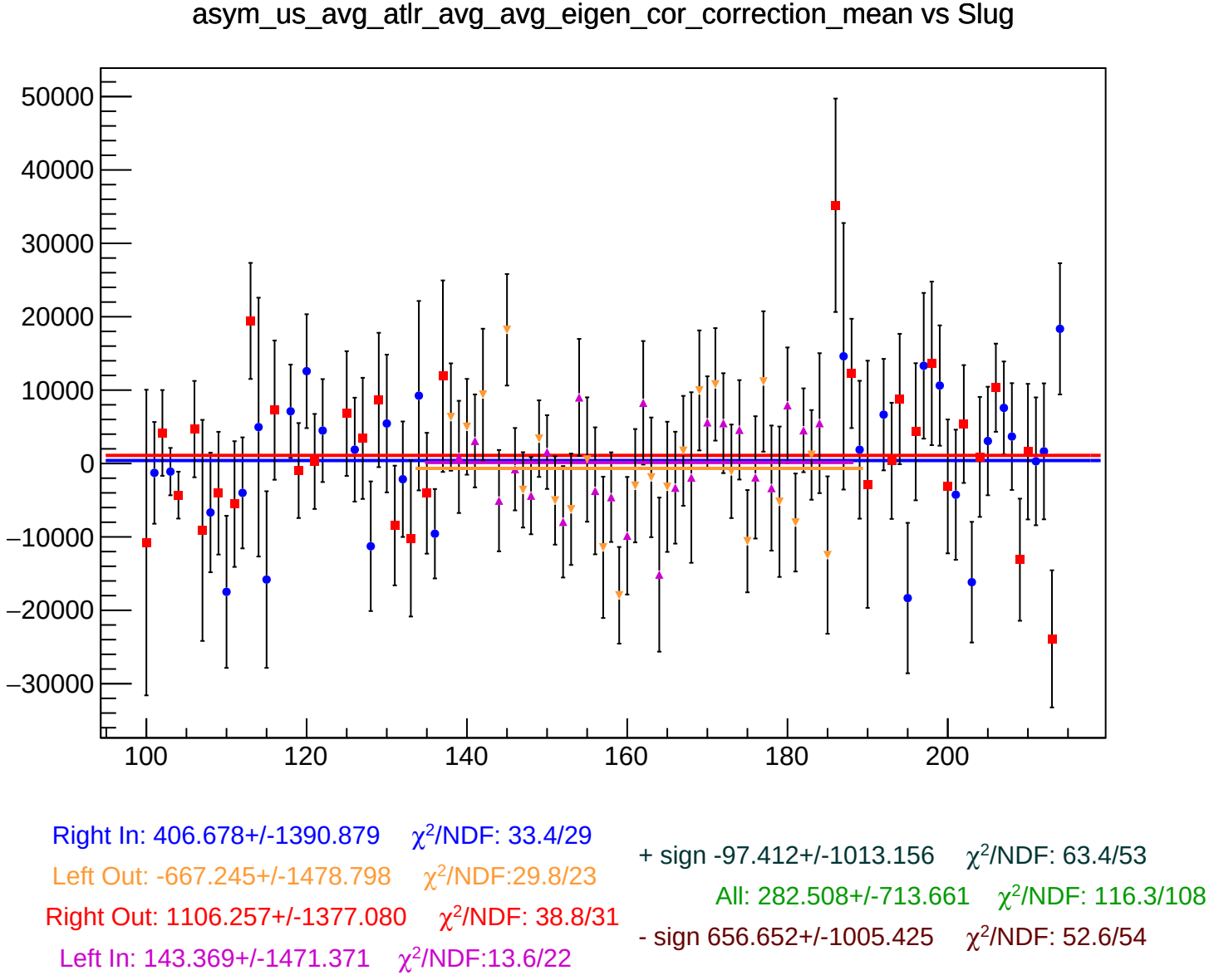
Right Out: 1833.591+/-0.302 χ^2/NDF: 121252.8/31

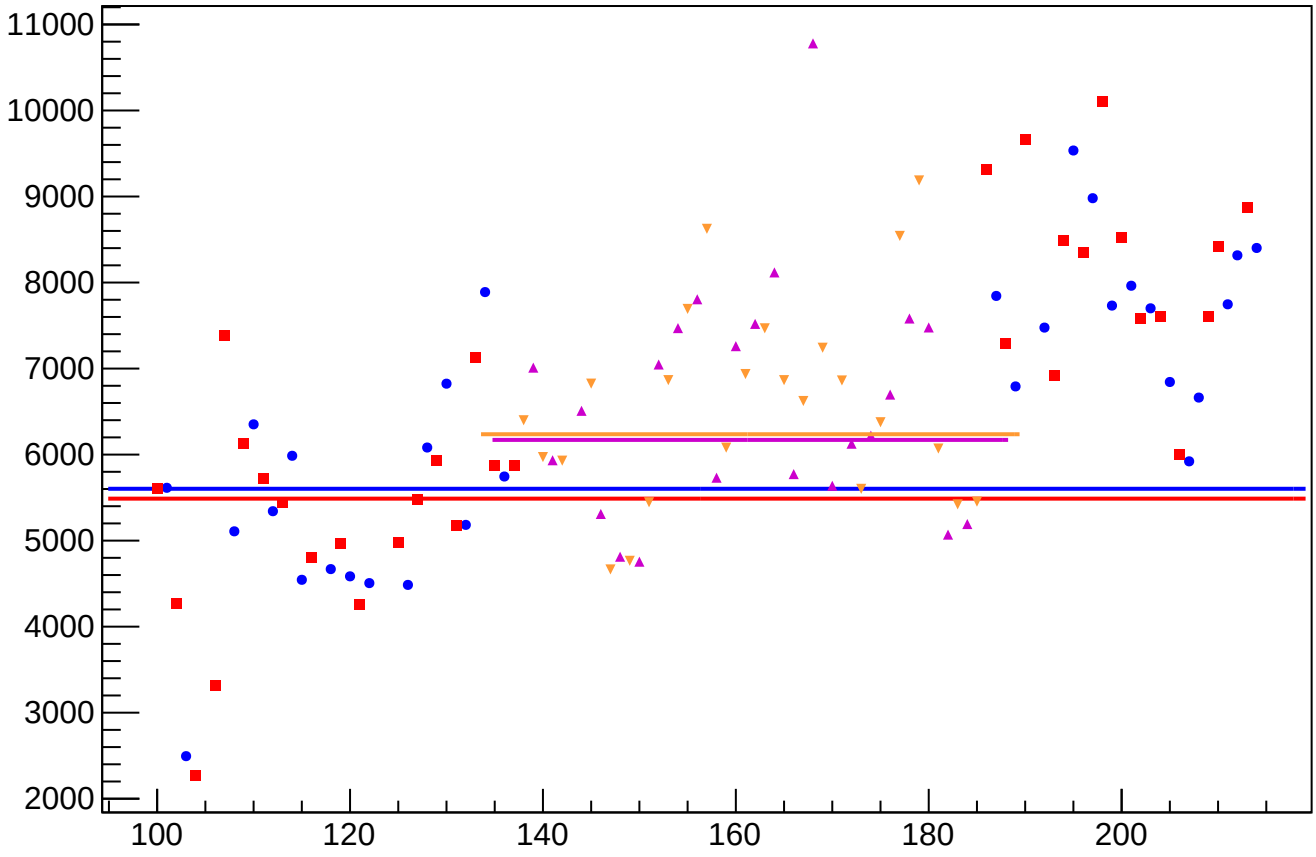
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1814.526+/-0.212 χ^2/NDF: 331386.2/53

All: 1816.952+/-0.150 χ^2/NDF: 476577.1/108

- sign 1819.389+/-0.212 χ^2/NDF: 144927.9/54


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 406.678+/-1390.879 χ²/NDF: 33.4/29
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 1106.257+/-1377.080 χ²/NDF: 38.8/31
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -97.412+/-1013.156 χ²/NDF: 63.4/53
All: 282.508+/-713.661 χ²/NDF: 116.3/108
- sign 656.652+/-1005.425 χ²/NDF: 52.6/54



Right In: 5602.703+/-0.983 χ^2/NDF: 3885733.1/29

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

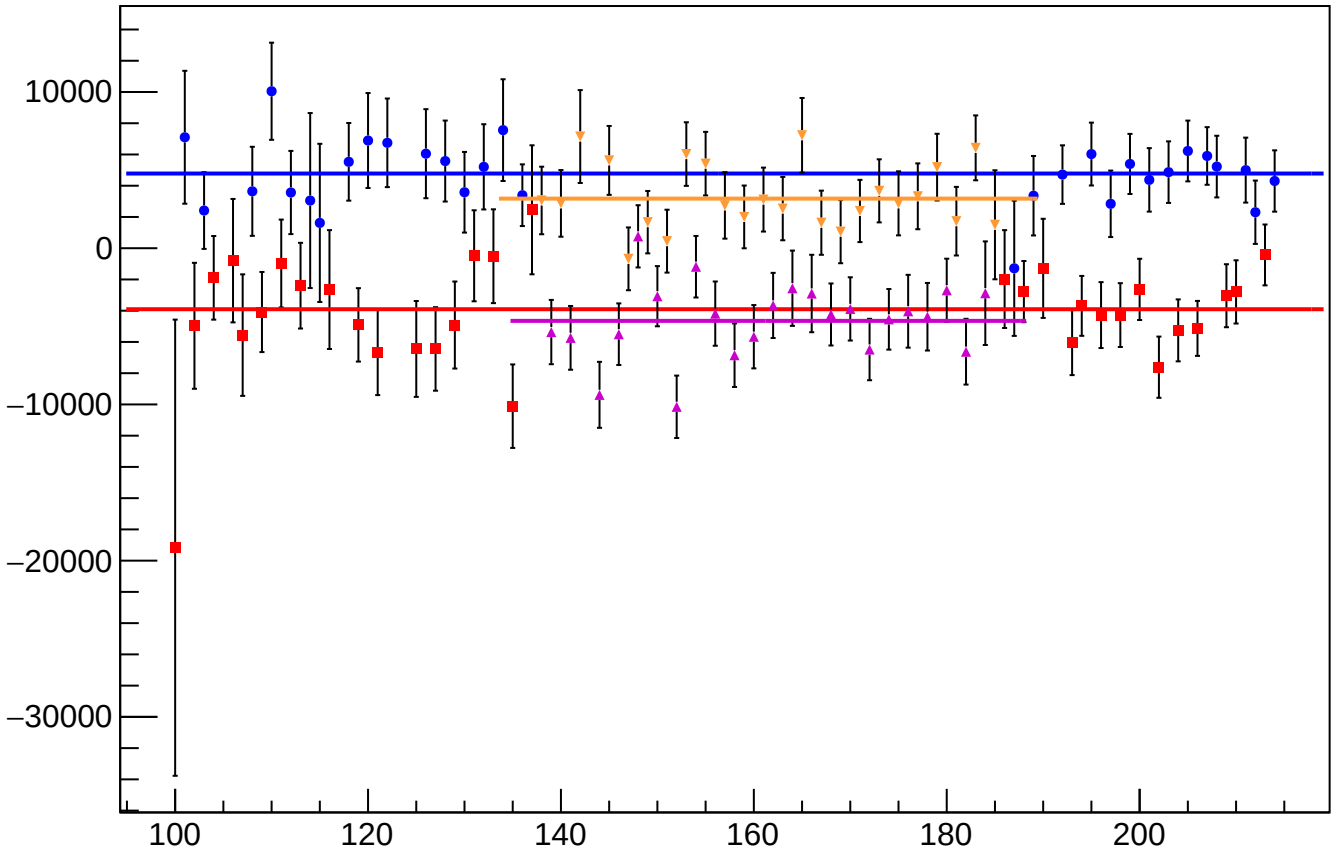
Right Out: 5488.020+/-0.974 χ^2/NDF: 4848641.1/31

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5900.265+/-0.716 χ^2/NDF: 5148415.3/53

All: 5853.189+/-0.505 χ^2/NDF: 11472760.8/1

- sign 5806.828+/-0.711 χ^2/NDF: 6315775.1/54



Right In: 4780.891+/-436.805 χ^2/NDF: 13.9/29

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3905.058+/-437.867 χ^2/NDF: 28.5/31

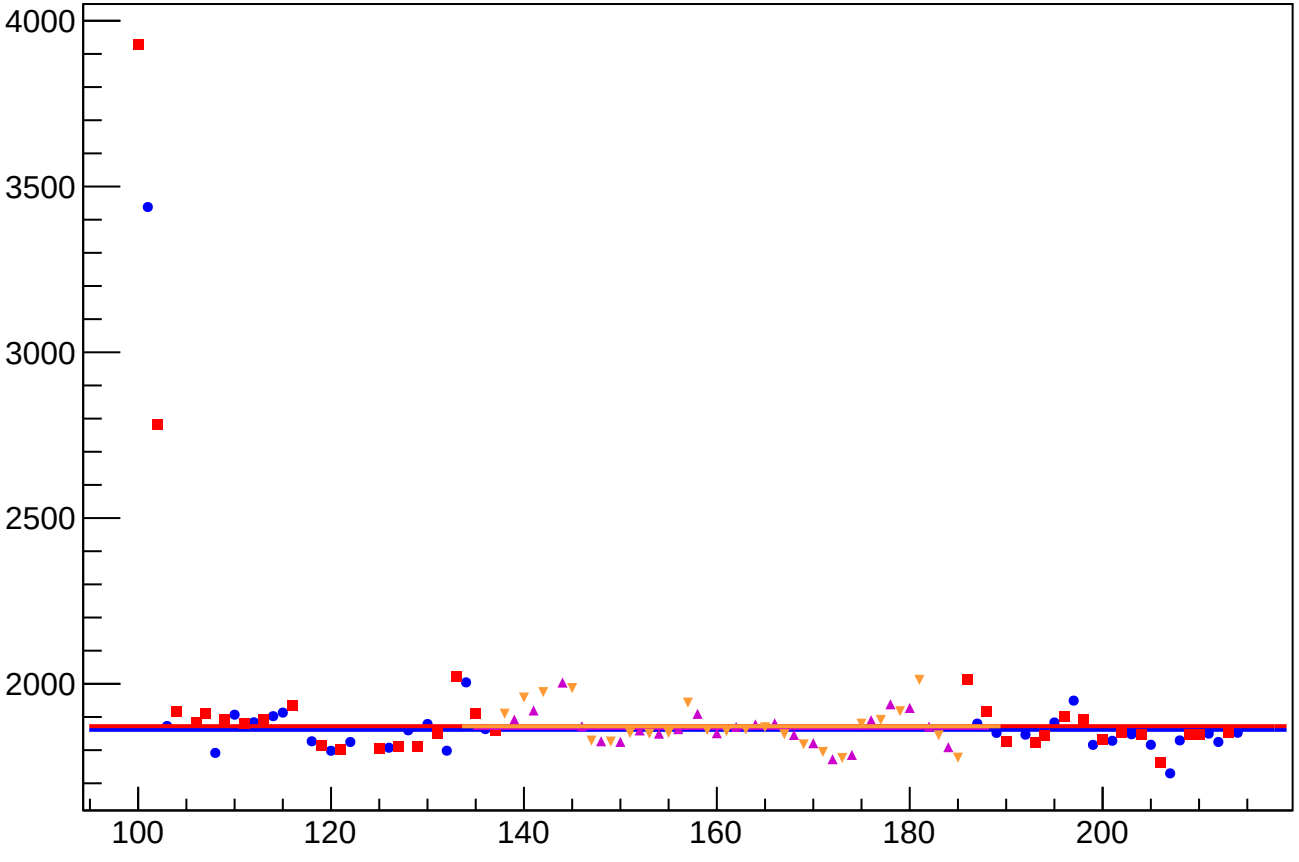
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3974.053+/-308.162 χ^2/NDF: 42.3/53

All: -140.996+/-218.209 χ^2/NDF: 460.5/108

- sign -4279.183+/-309.027 χ^2/NDF: 60.5/54

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.321+/-0.309 χ^2/NDF: 302437.6/29

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

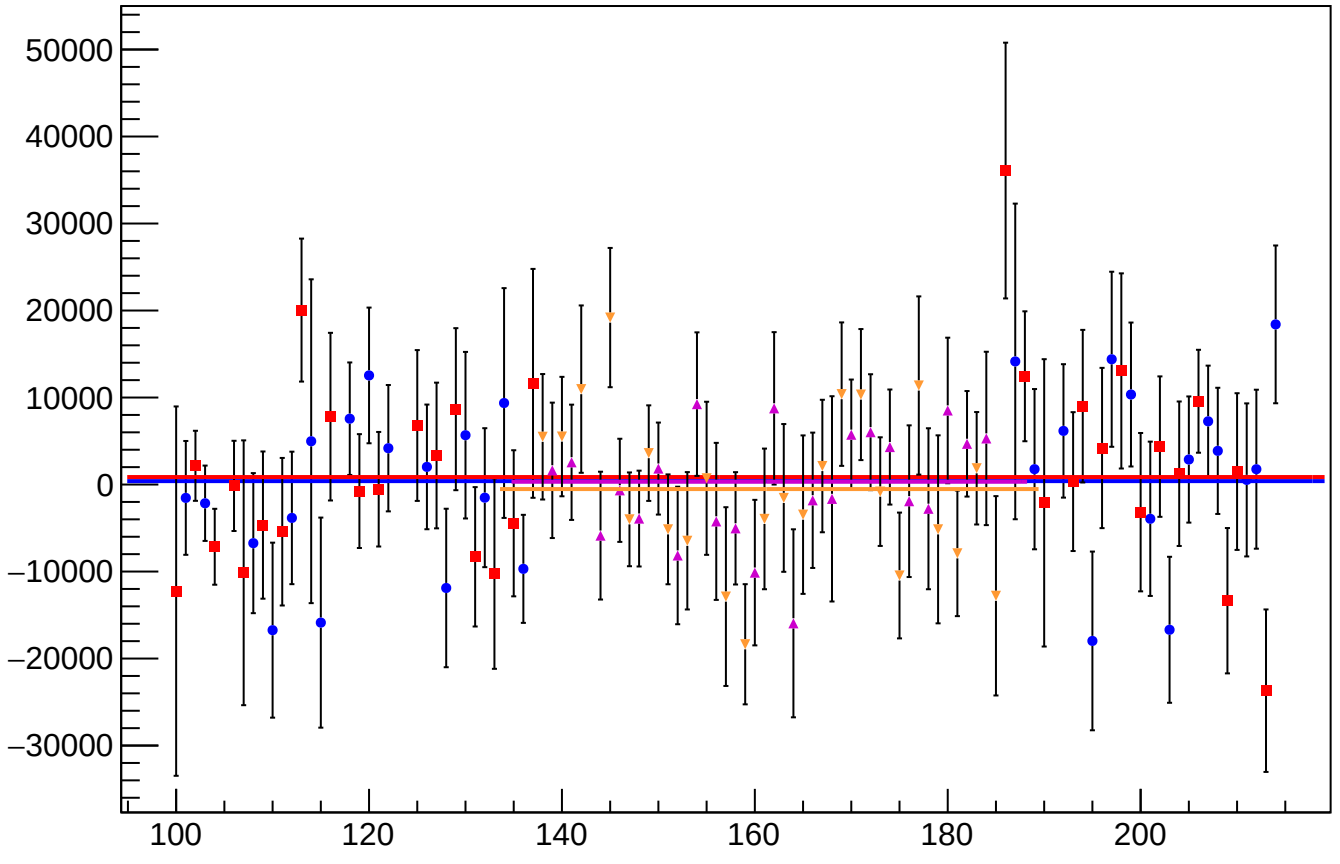
Right Out: 1872.285+/-0.309 χ^2/NDF: 171436.0/31

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1866.675+/-0.218 χ^2/NDF: 340190.5/53

All: 1868.170+/-0.154 χ^2/NDF: 539109.5/108

- sign 1869.673+/-0.218 χ^2/NDF: 198824.6/54



Right In: 392.967+/-1457.964 χ^2/NDF: 33.2/29

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

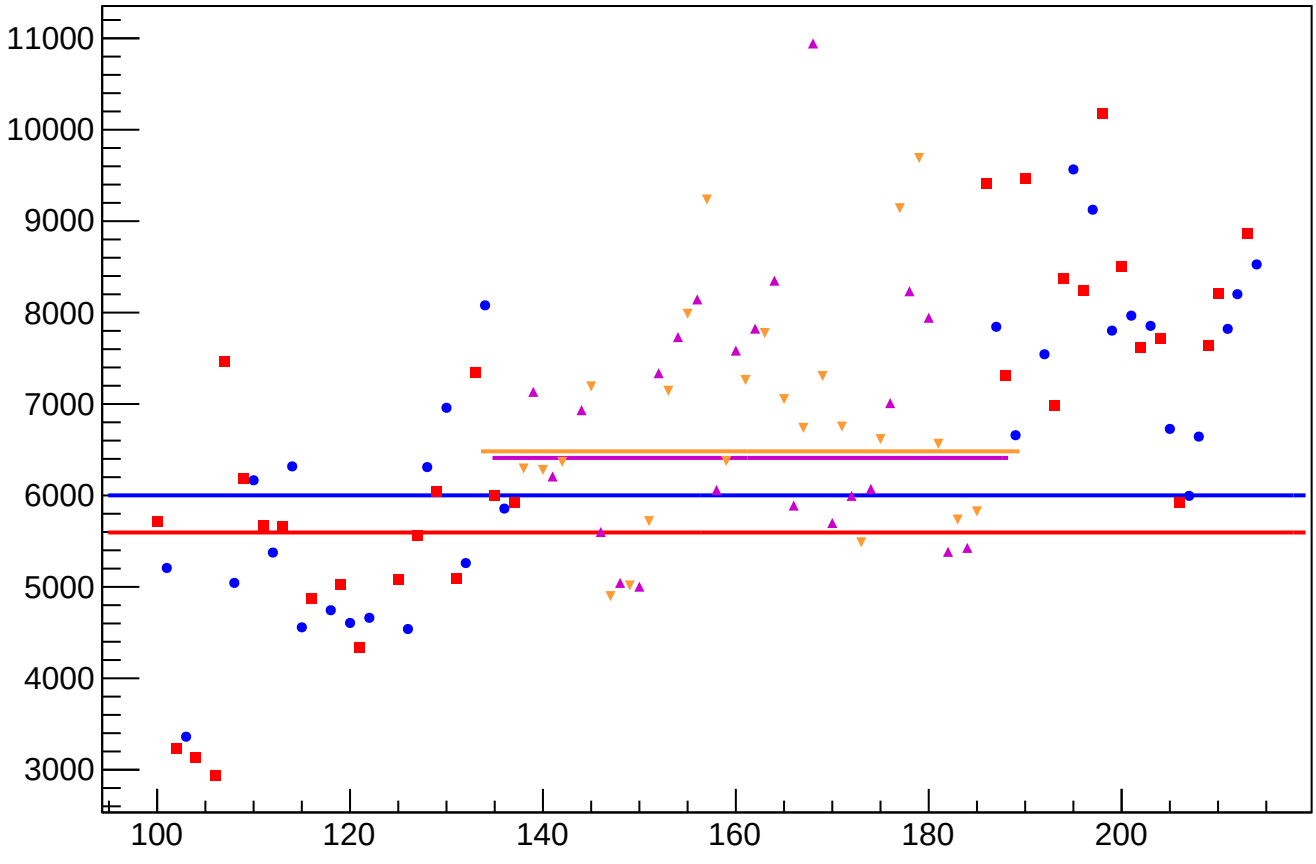
Right Out: 861.489+/-1381.121 χ^2/NDF: 38.9/31

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -39.629+/-1057.704 χ^2/NDF: 62.5/53

All: 300.717+/-735.927 χ^2/NDF: 115.1/108

- sign 620.093+/-1024.601 χ^2/NDF: 52.3/54



Right In: 6000.983+/-1.031 χ^2/NDF: 2454915.6/29

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

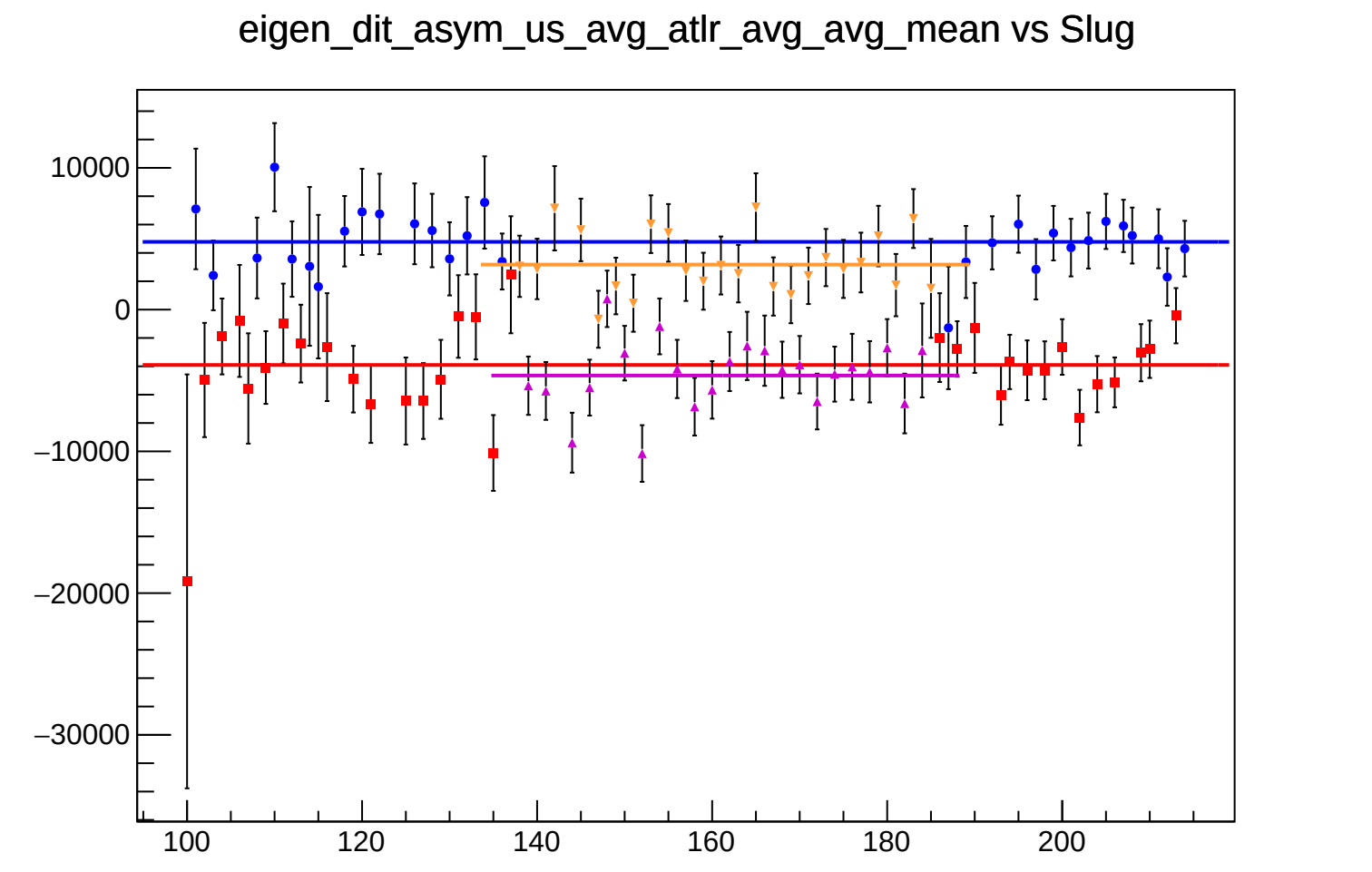
Right Out: 5594.968+/-0.977 χ^2/NDF: 4181664.4/31

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6229.186+/-0.748 χ^2/NDF: 3632937.4/53

All: 6091.155+/-0.520 χ^2/NDF: 9413947.8/10

- sign 5961.628+/-0.725 χ^2/NDF: 5714987.1/54



Right In: 4780.888+/-436.805 χ^2/NDF: 13.9/29

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -3905.055+/-437.867 χ^2/NDF: 28.5/31

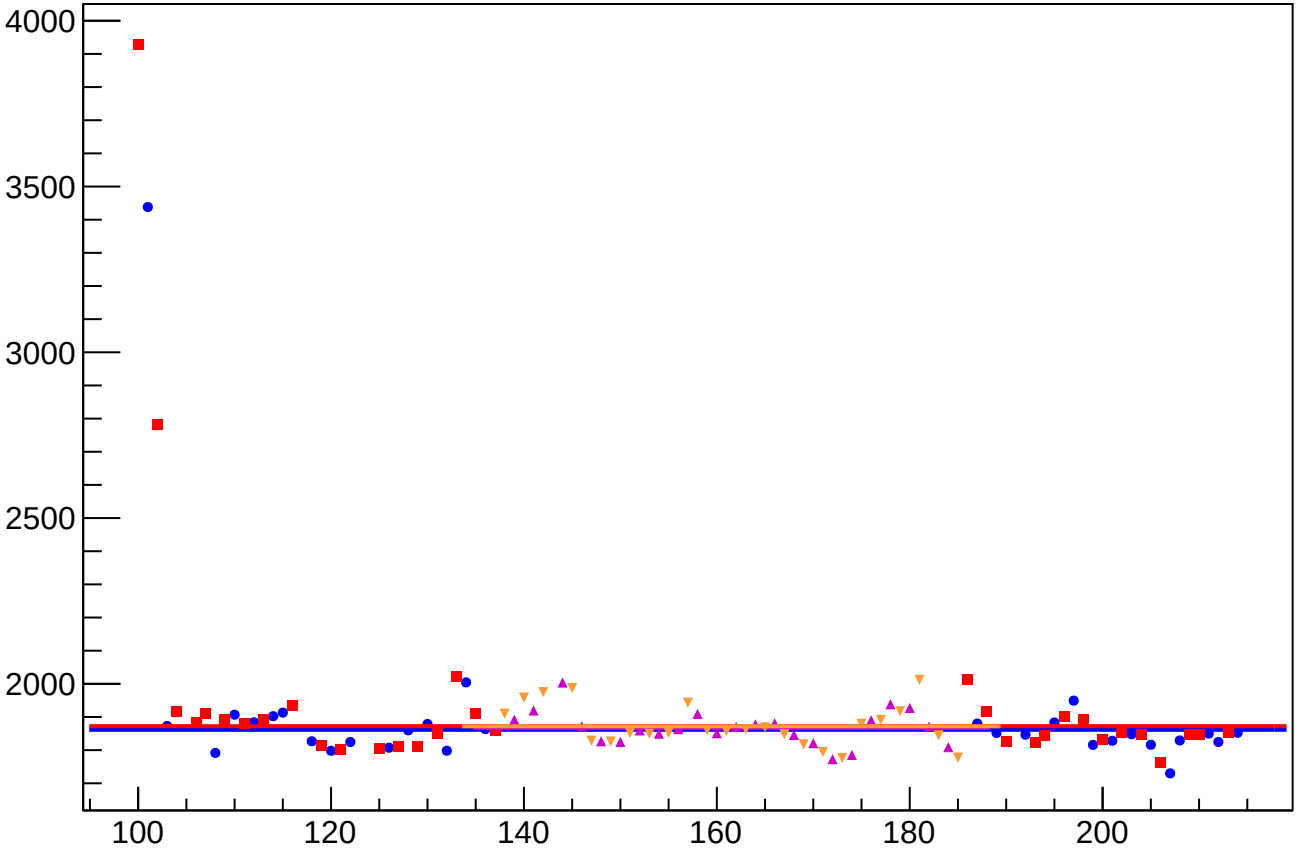
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3974.049+/-308.162 χ^2/NDF: 42.3/53

All: -140.997+/-218.209 χ^2/NDF: 460.5/108

- sign -4279.182+/-309.027 χ^2/NDF: 60.5/54

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1861.321+/-0.309 χ^2/NDF: 302437.6/29

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

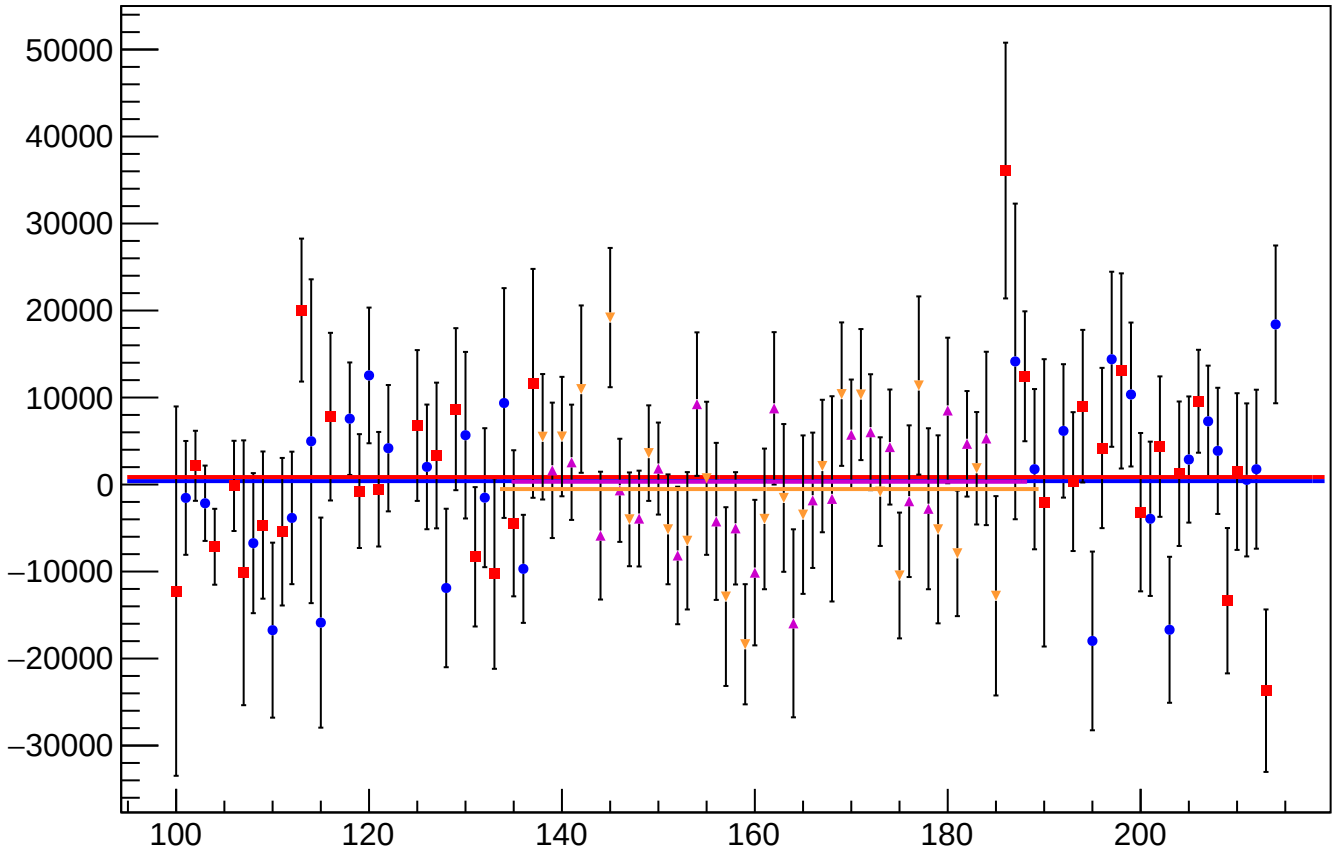
Right Out: 1872.285+/-0.309 χ^2/NDF: 171435.1/31

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1866.675+/-0.218 χ^2/NDF: 340191.8/53

All: 1868.170+/-0.154 χ^2/NDF: 539111.0/108

- sign 1869.673+/-0.218 χ^2/NDF: 198824.8/54



Right In: 392.967+/-1457.963 χ^2/NDF: 33.2/29

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

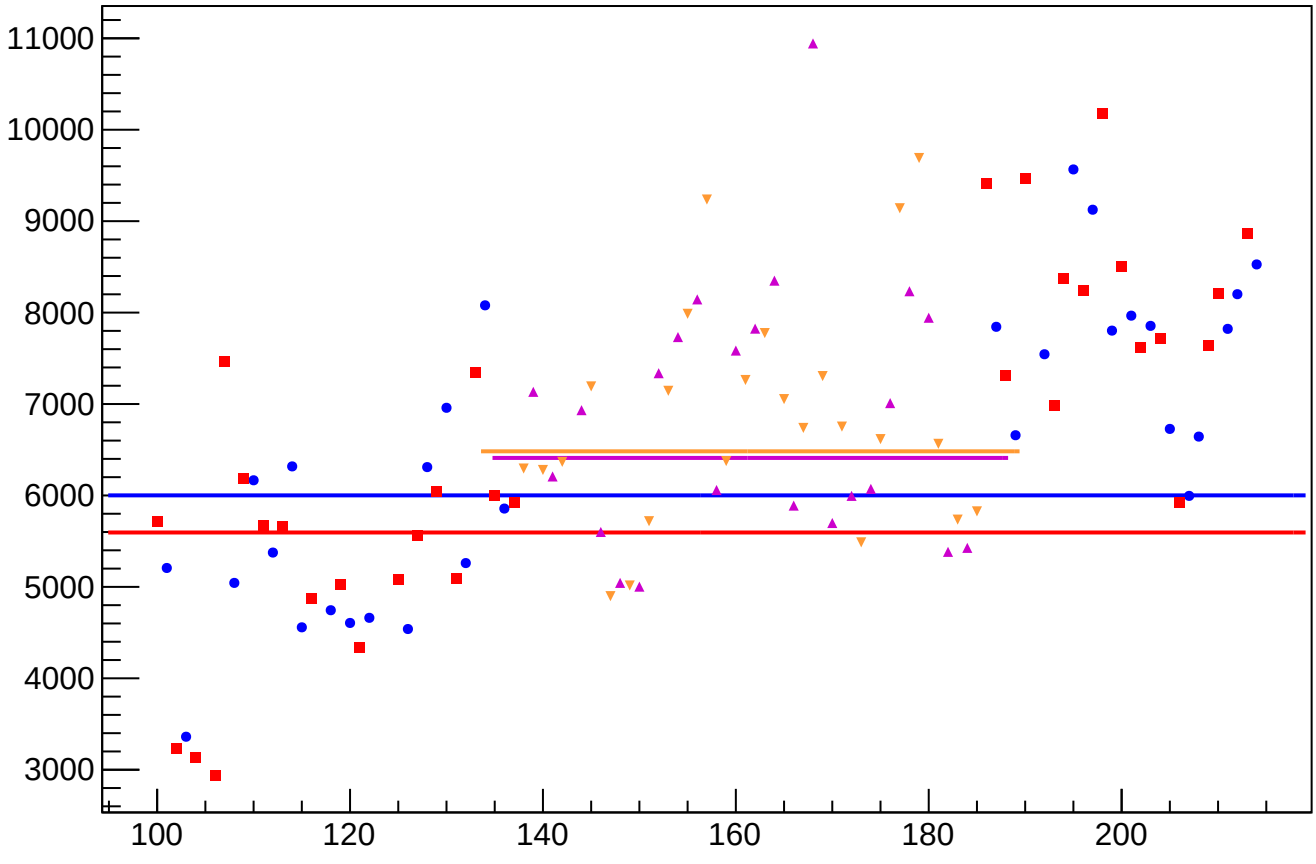
Right Out: 861.483+/-1381.119 χ^2/NDF: 38.9/31

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -39.630+/-1057.704 χ^2/NDF: 62.5/53

All: 300.716+/-735.927 χ^2/NDF: 115.1/108

- sign 620.091+/-1024.601 χ^2/NDF: 52.3/54



Right In: 6000.976+/-1.031 χ^2/NDF: 2454948.4/29

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5594.959+/-0.977 χ^2/NDF: 4181697.8/31

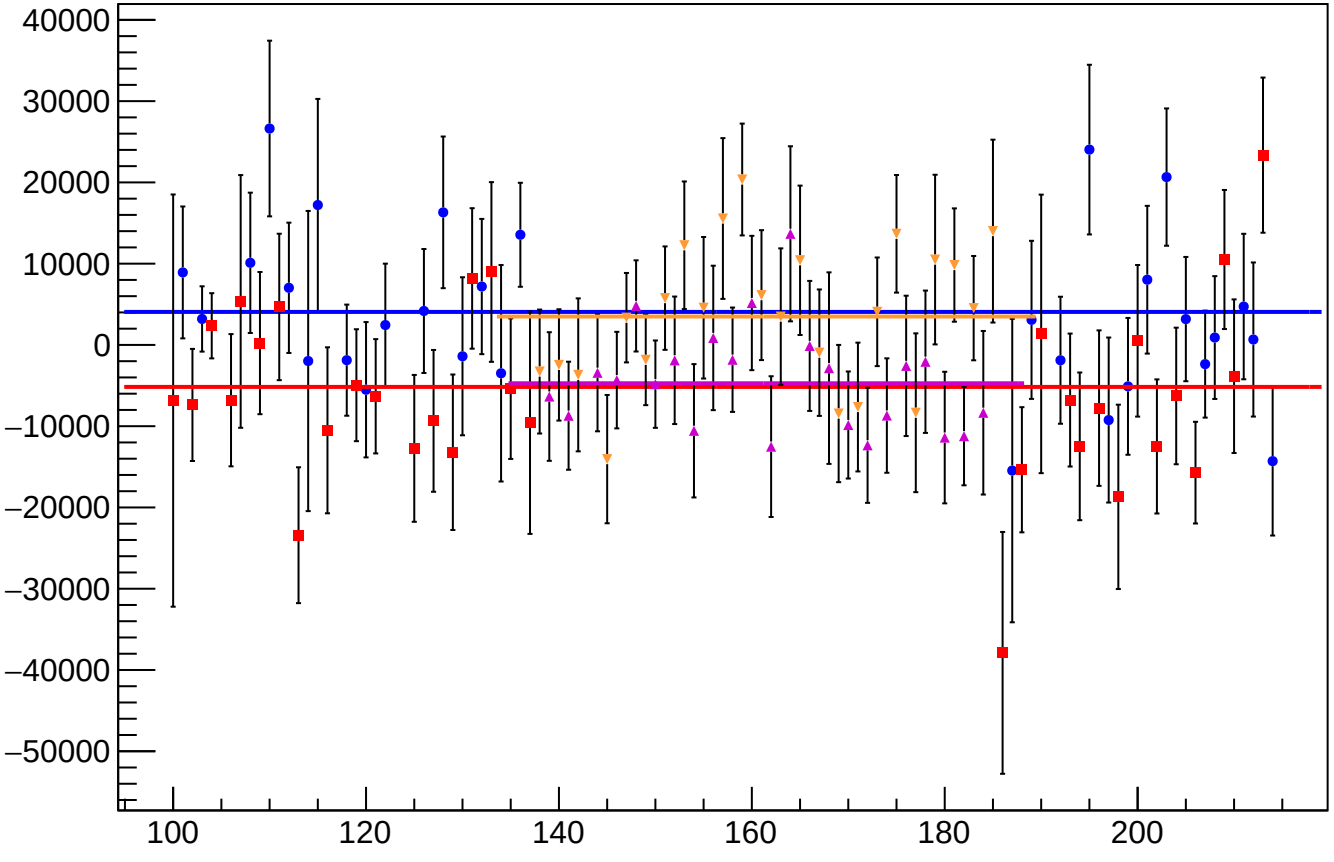
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6229.187+/-0.748 χ^2/NDF: 3632980.1/53

All: 6091.154+/-0.520 χ^2/NDF: 9414043.0/10

- sign 5961.627+/-0.725 χ^2/NDF: 5715038.4/54

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4063.442+/-1503.034 χ^2/NDF: 30.9/29

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -5165.740+/-1501.853 χ^2/NDF: 41.8/31

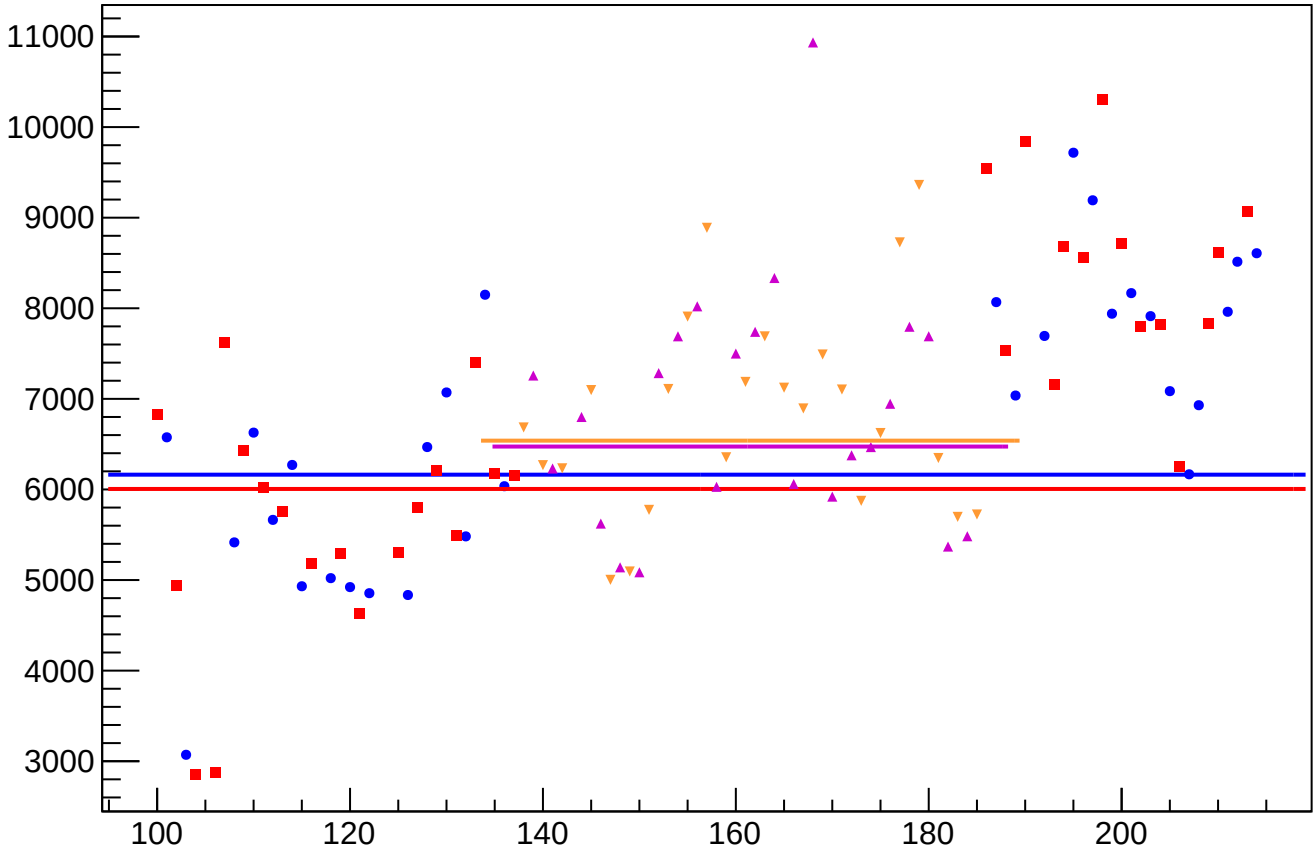
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3788.251+/-1077.621 χ^2/NDF: 58.5/53

All: -590.878+/-761.037 χ^2/NDF: 147.5/108

\- sign -4948.113+/-1074.923 χ^2/NDF: 56.1/54

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6163.099+/-1.063 χ^2/NDF: 2724091.2/29

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

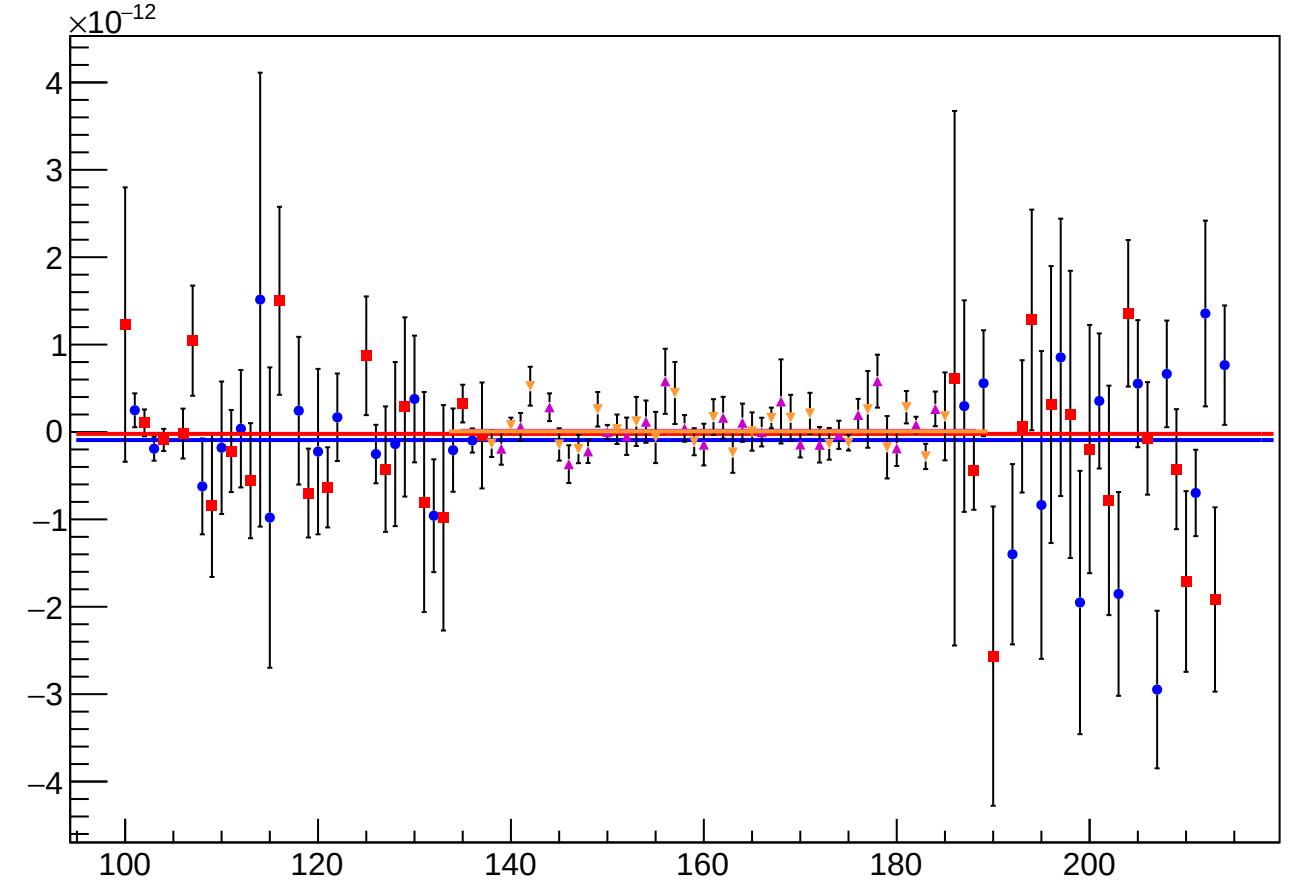
Right Out: 6005.444+/-1.049 χ^2/NDF: 3737264.2/31

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6345.628+/-0.762 χ^2/NDF: 3705400.4/53

All: 6287.693+/-0.536 χ^2/NDF: 8621774.4/10

- sign 6230.787+/-0.755 χ^2/NDF: 4904915.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

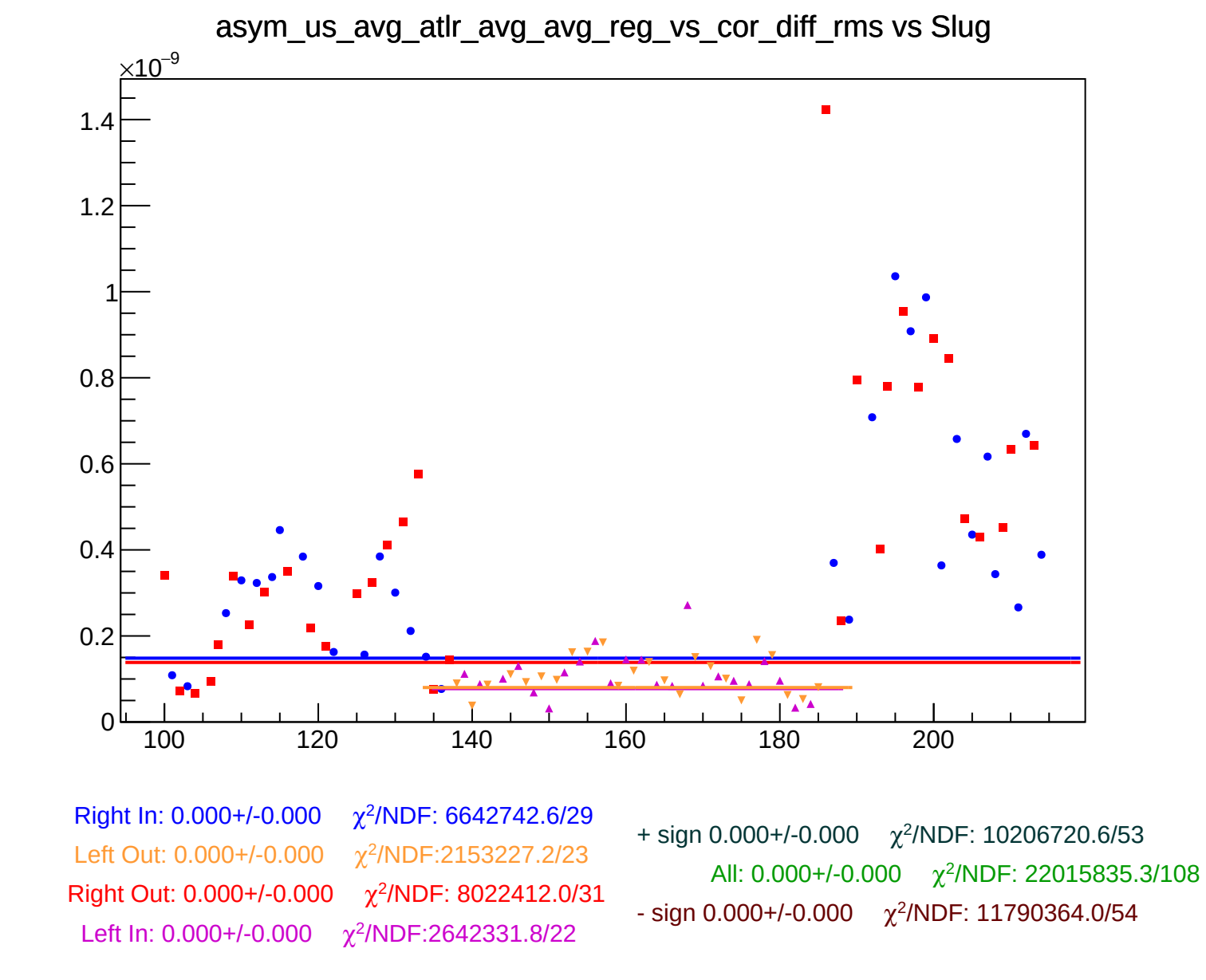
Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/31

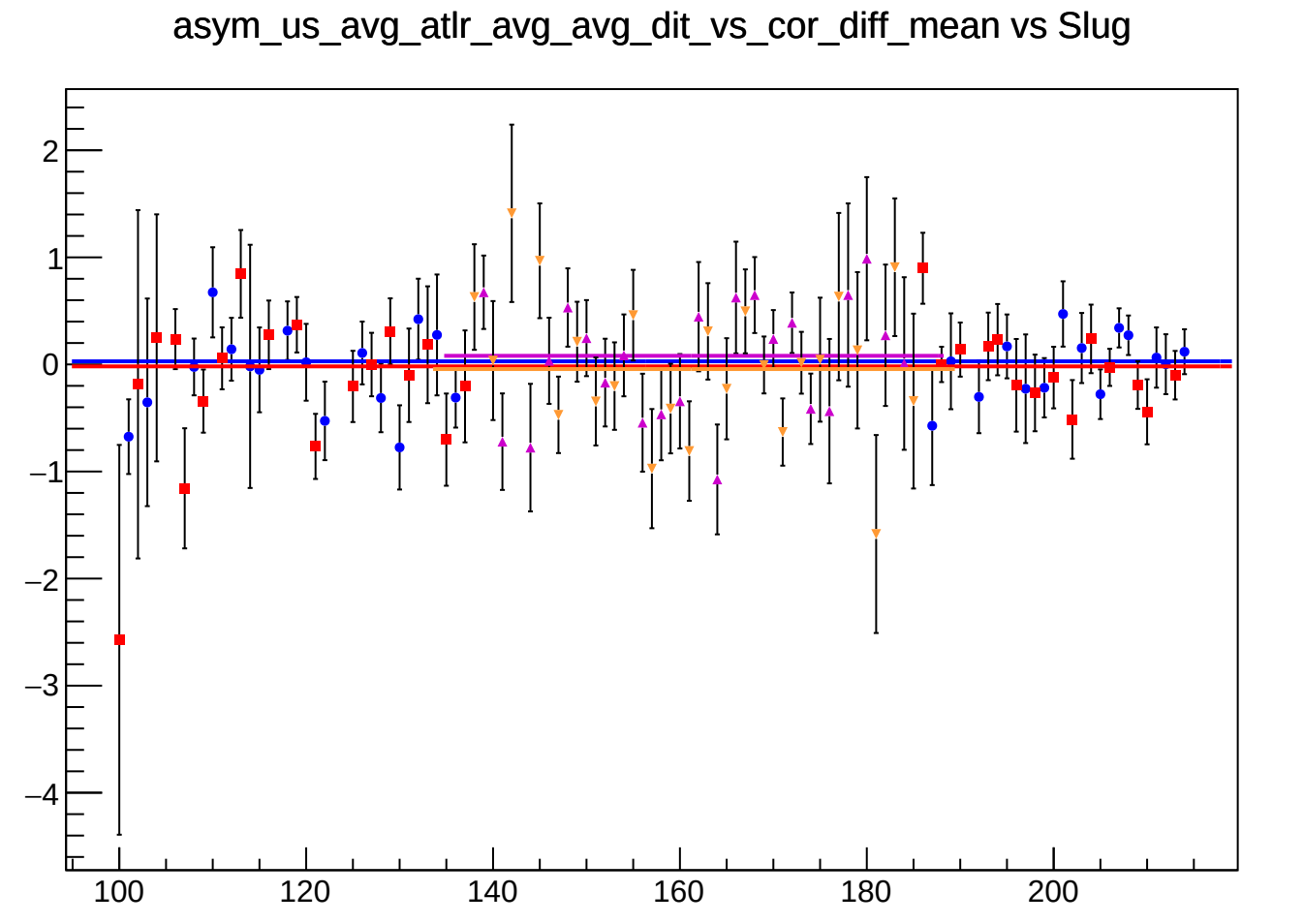
Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.7/53

All: -0.000+/-0.000 χ^2/NDF: 117.0/108

- sign 0.000+/-0.000 χ^2/NDF: 55.2/54


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6642742.6/29
Left Out: 0.000+/-0.000 χ²/NDF:2153227.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 8022412.0/31
Left In: 0.000+/-0.000 χ²/NDF:2642331.8/22
+ sign 0.000+/-0.000 χ²/NDF: 10206720.6/53
All: 0.000+/-0.000 χ²/NDF: 22015835.3/108
- sign 0.000+/-0.000 χ²/NDF: 11790364.0/54



Right In: 0.029+/-0.056 χ^2/NDF: 30.6/29

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

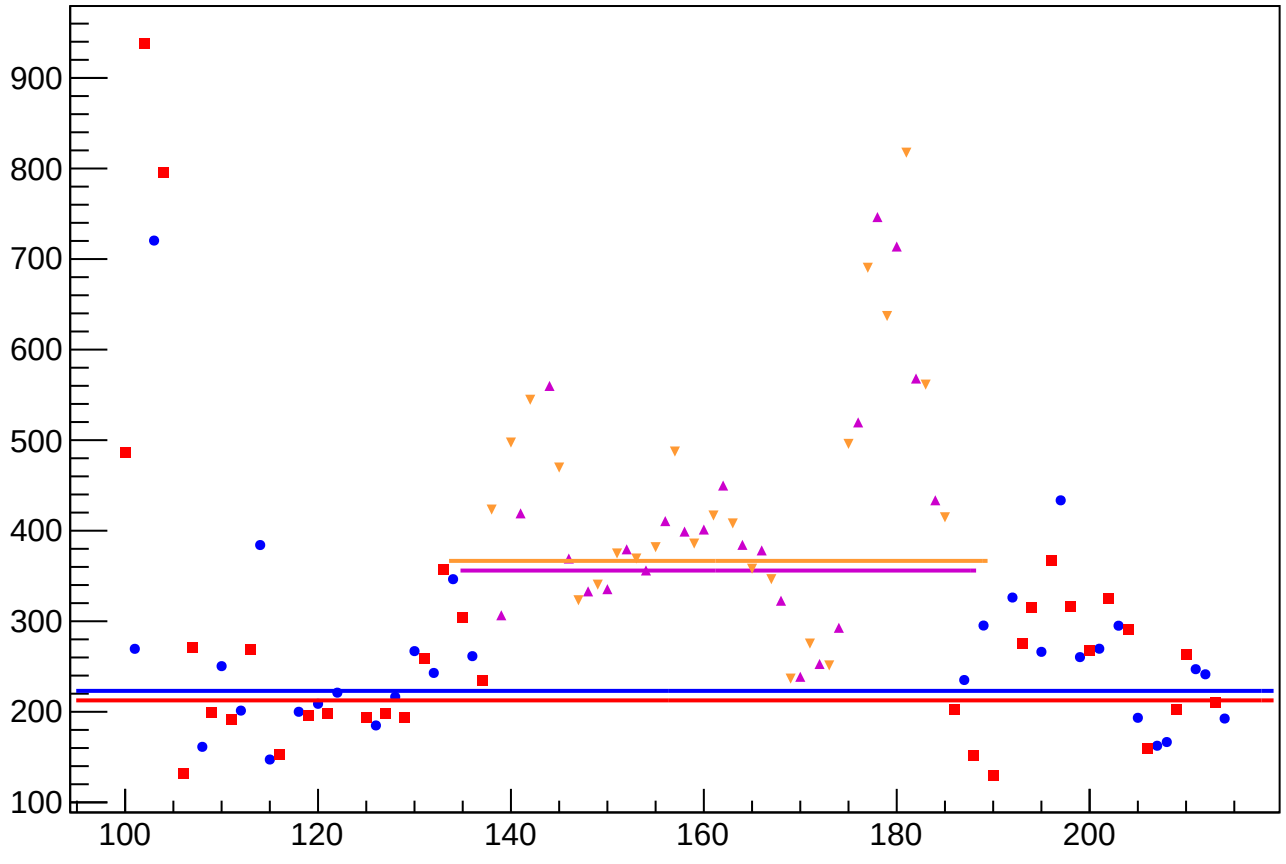
Right Out: -0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

\+ sign 0.009+/-0.048 χ^2/NDF: 62.0/53

All: 0.009+/-0.033 χ^2/NDF: 134.3/108

\- sign 0.009+/-0.046 χ^2/NDF: 72.2/54



Right In: 223.114+/-0.040 χ^2/NDF: 2328312.0/29

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 212.607+/-0.038 χ^2/NDF: 3363298.9/31

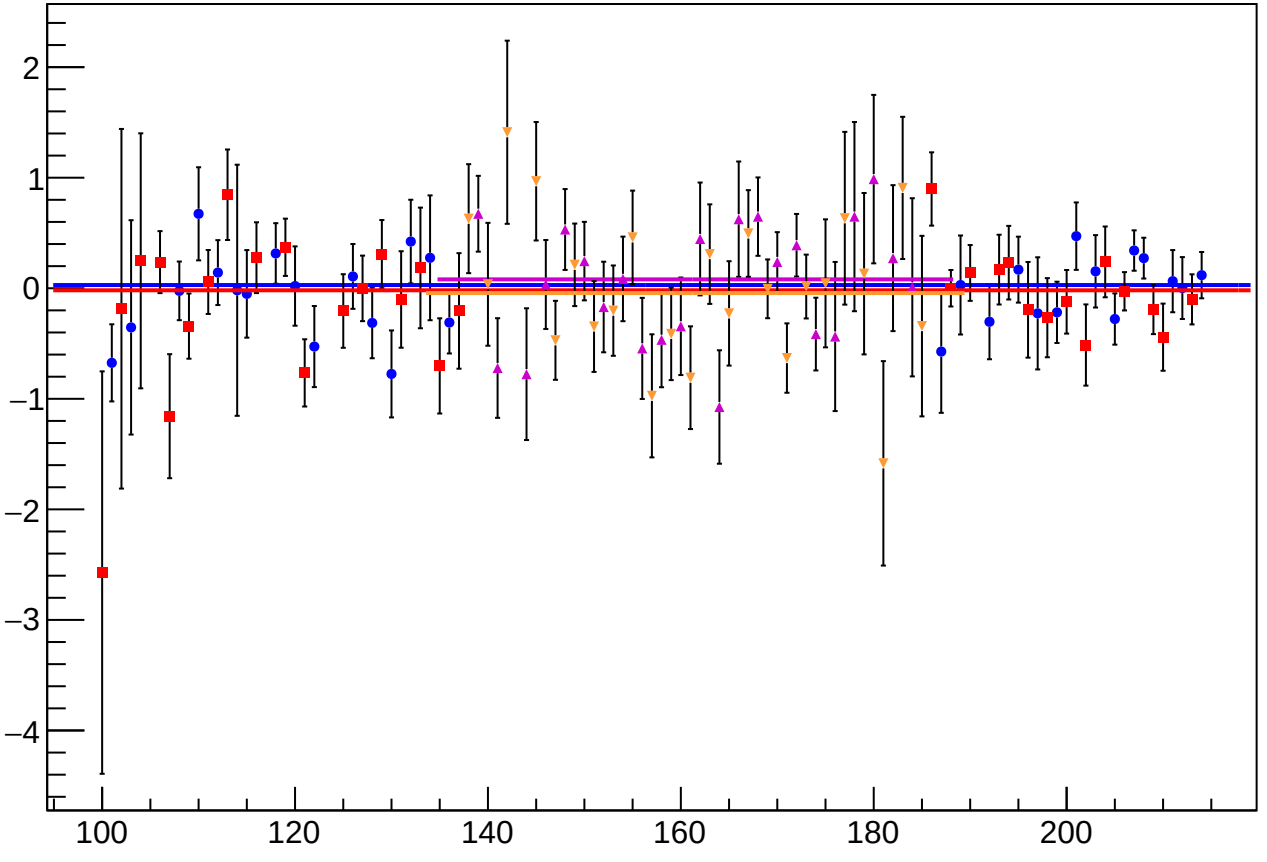
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 262.920+/-0.034 χ^2/NDF: 8809918.2/53

All: 257.518+/-0.023 χ^2/NDF: 18499405.7/10

- sign 252.426+/-0.033 χ^2/NDF: 9639520.0/54

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.056 χ^2/NDF: 30.6/29

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

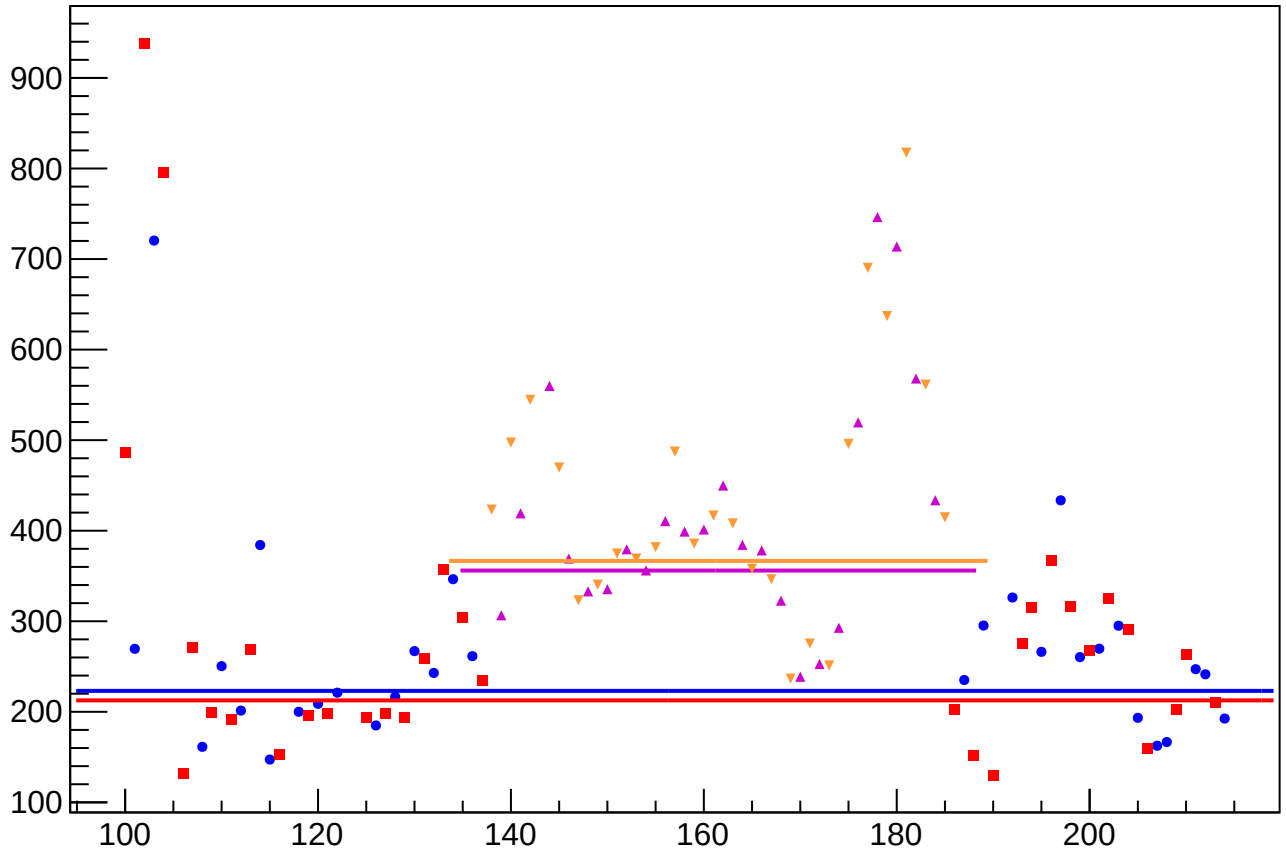
Right Out: -0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.009+/-0.048 χ^2/NDF: 62.0/53

All: 0.009+/-0.033 χ^2/NDF: 134.3/108

- sign 0.009+/-0.046 χ^2/NDF: 72.2/54



Right In: 223.114+/-0.040 χ^2/NDF: 2328312.0/29

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

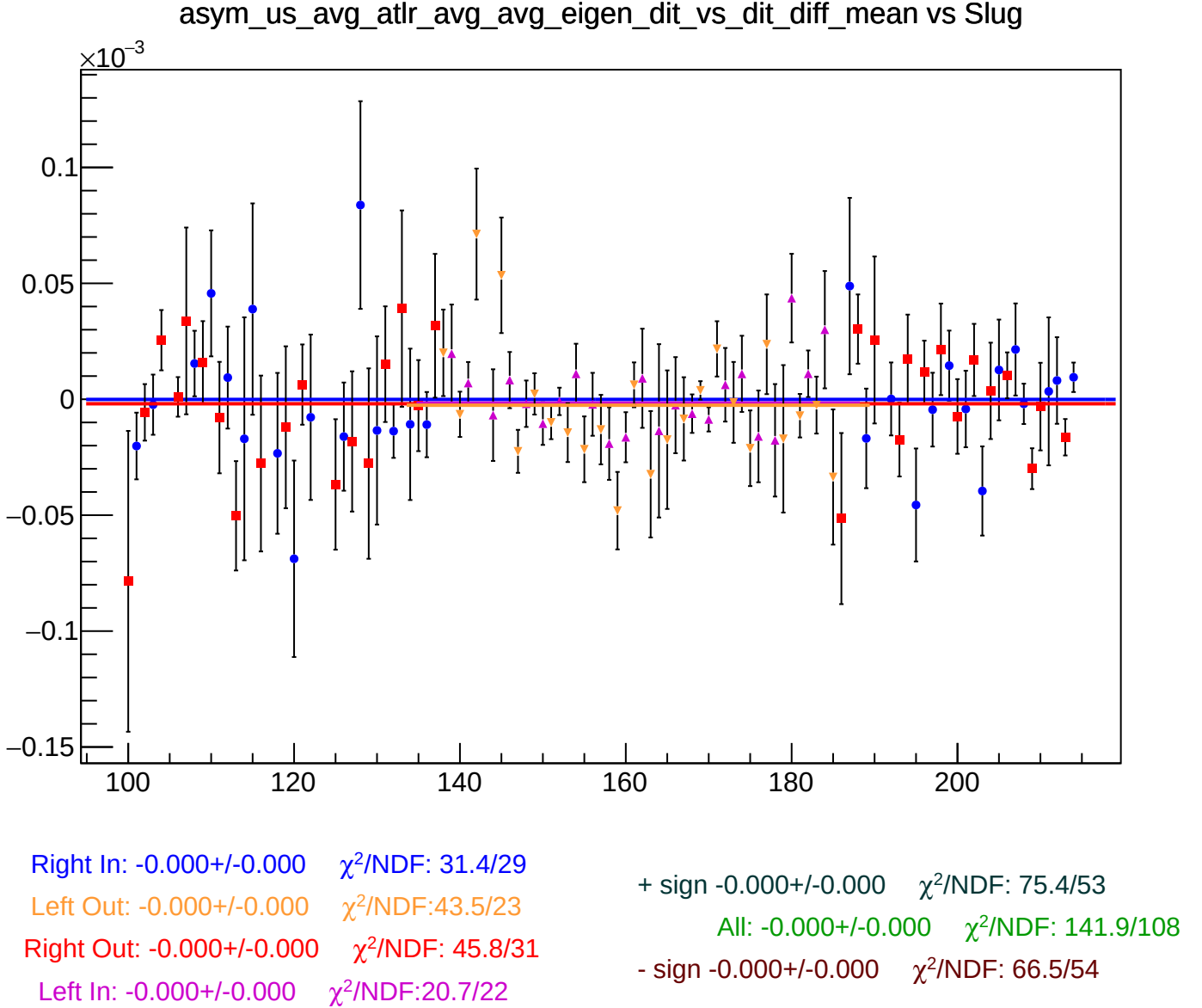
Right Out: 212.607+/-0.038 χ^2/NDF: 3363298.9/31

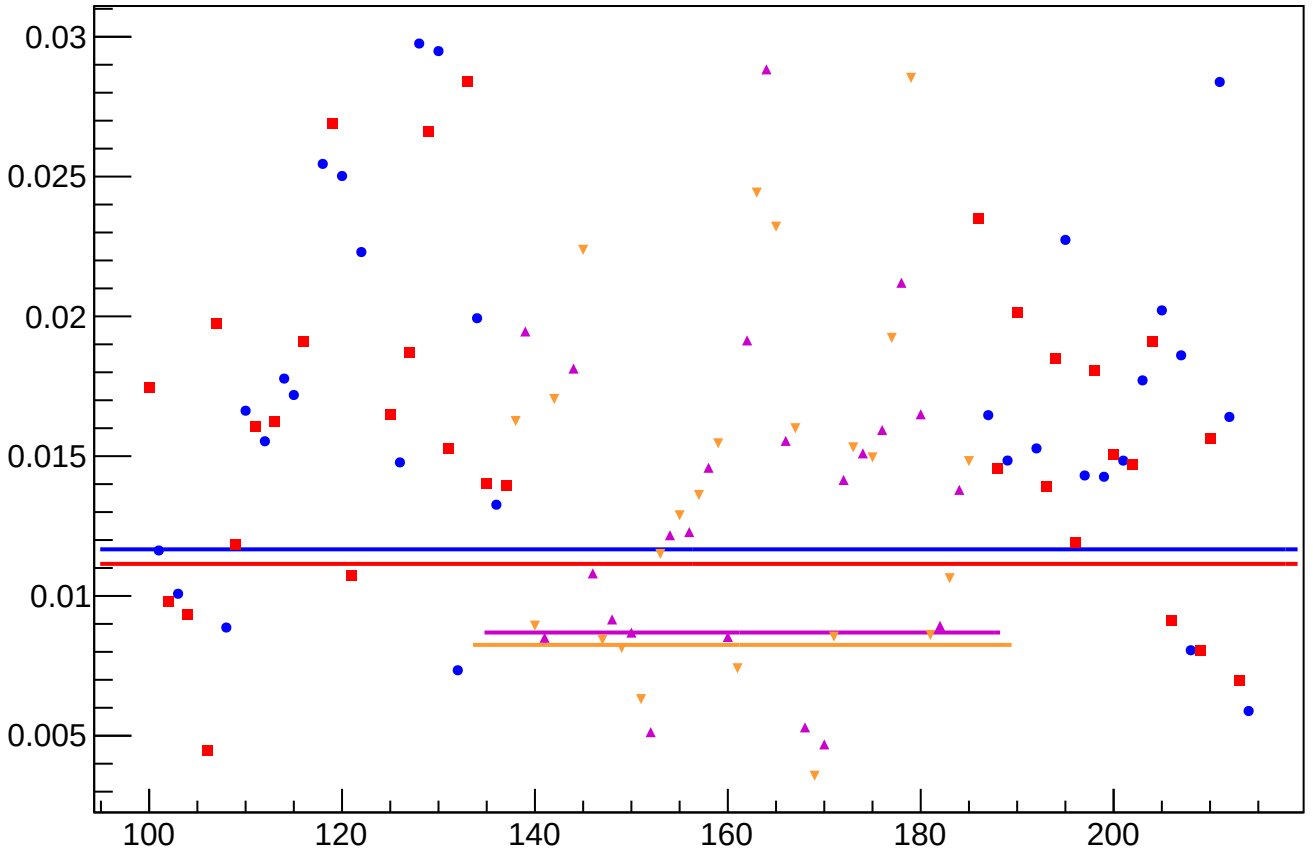
Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 262.920+/-0.034 χ^2/NDF: 8809918.2/53

All: 257.518+/-0.023 χ^2/NDF: 18499405.7/10

- sign 252.426+/-0.033 χ^2/NDF: 9639520.0/54


asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.1
0.05
0
−0.05
−0.1
−0.15
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.4/29
Left Out: -0.000+/-0.000 χ²/NDF:43.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 45.8/31
Left In: -0.000+/-0.000 χ²/NDF:20.7/22
+ sign -0.000+/-0.000 χ²/NDF: 75.4/53
All: -0.000+/-0.000 χ²/NDF: 141.9/108
- sign -0.000+/-0.000 χ²/NDF: 66.5/54



Right In: 0.012+/-0.000 χ^2/NDF: 6379838.6/29

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

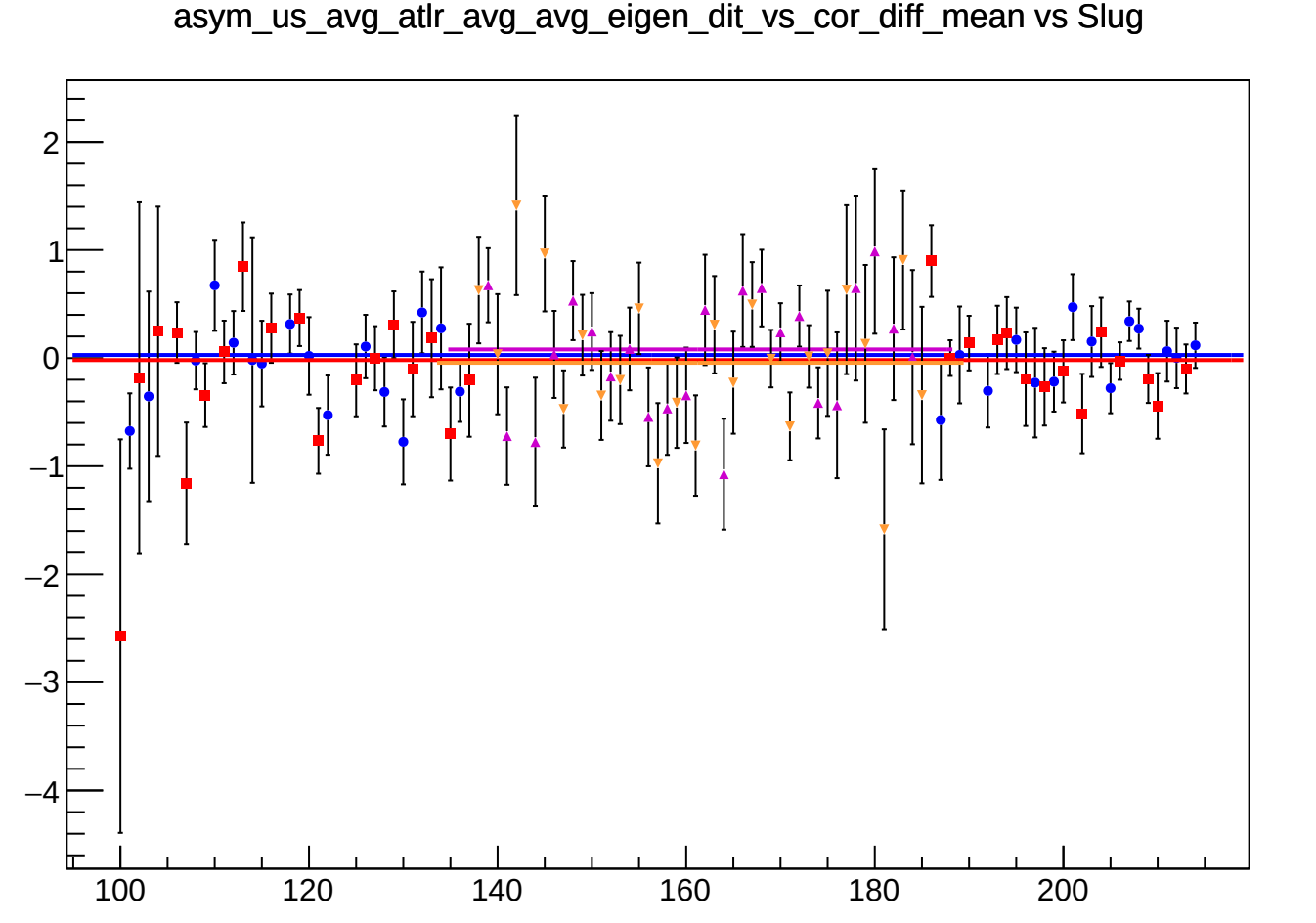
Right Out: 0.011+/-0.000 χ^2/NDF: 5571597.6/31

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 16886616.6/53

All: 0.010+/-0.000 χ^2/NDF: 30217747.8/108

- sign 0.010+/-0.000 χ^2/NDF: 13318711.8/54



Right In: 0.029+/-0.056 χ^2/NDF: 30.6/29

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

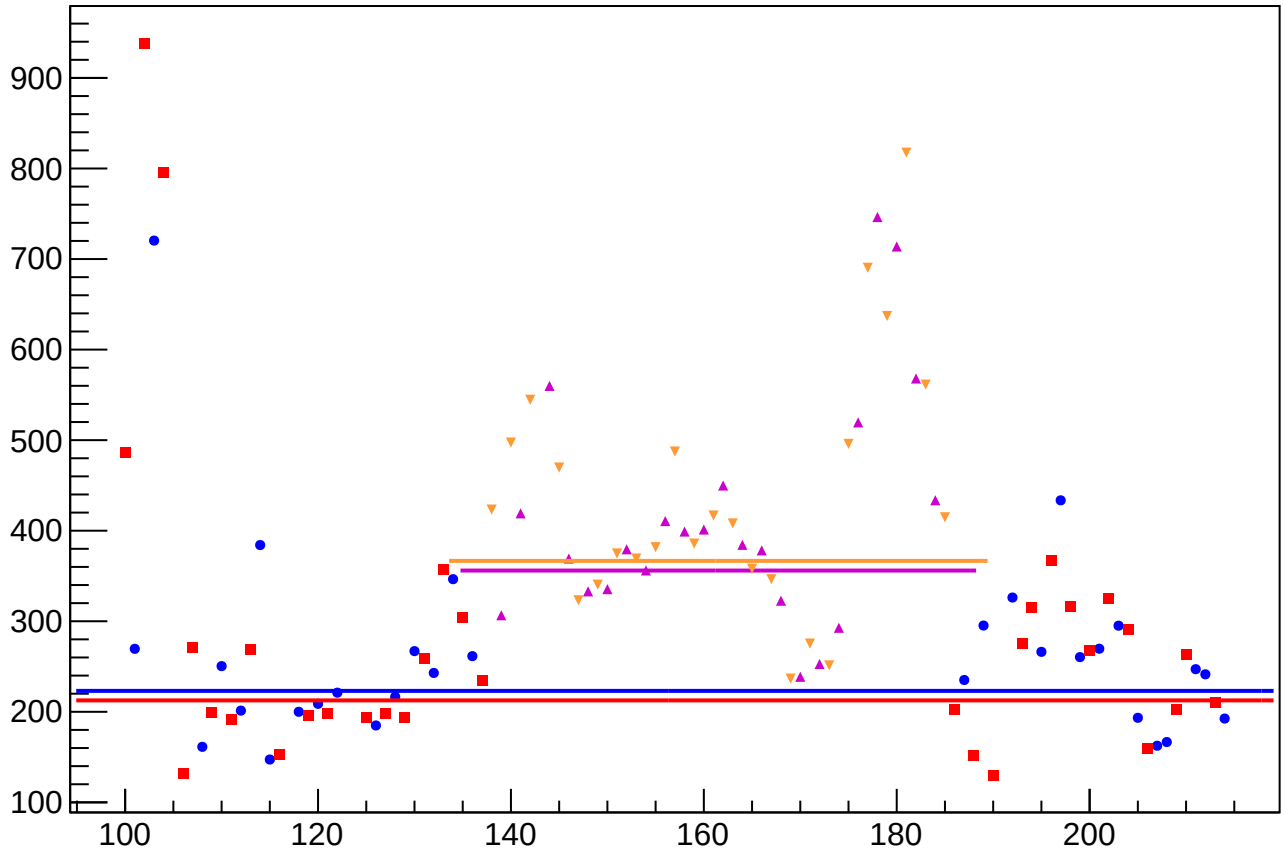
Right Out: -0.018+/-0.054 χ^2/NDF: 41.0/31

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign 0.009+/-0.048 χ^2/NDF: 62.0/53

All: 0.009+/-0.033 χ^2/NDF: 134.3/108

- sign 0.009+/-0.046 χ^2/NDF: 72.2/54



Right In: 223.113+/-0.040 χ^2/NDF: 2328349.4/29

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

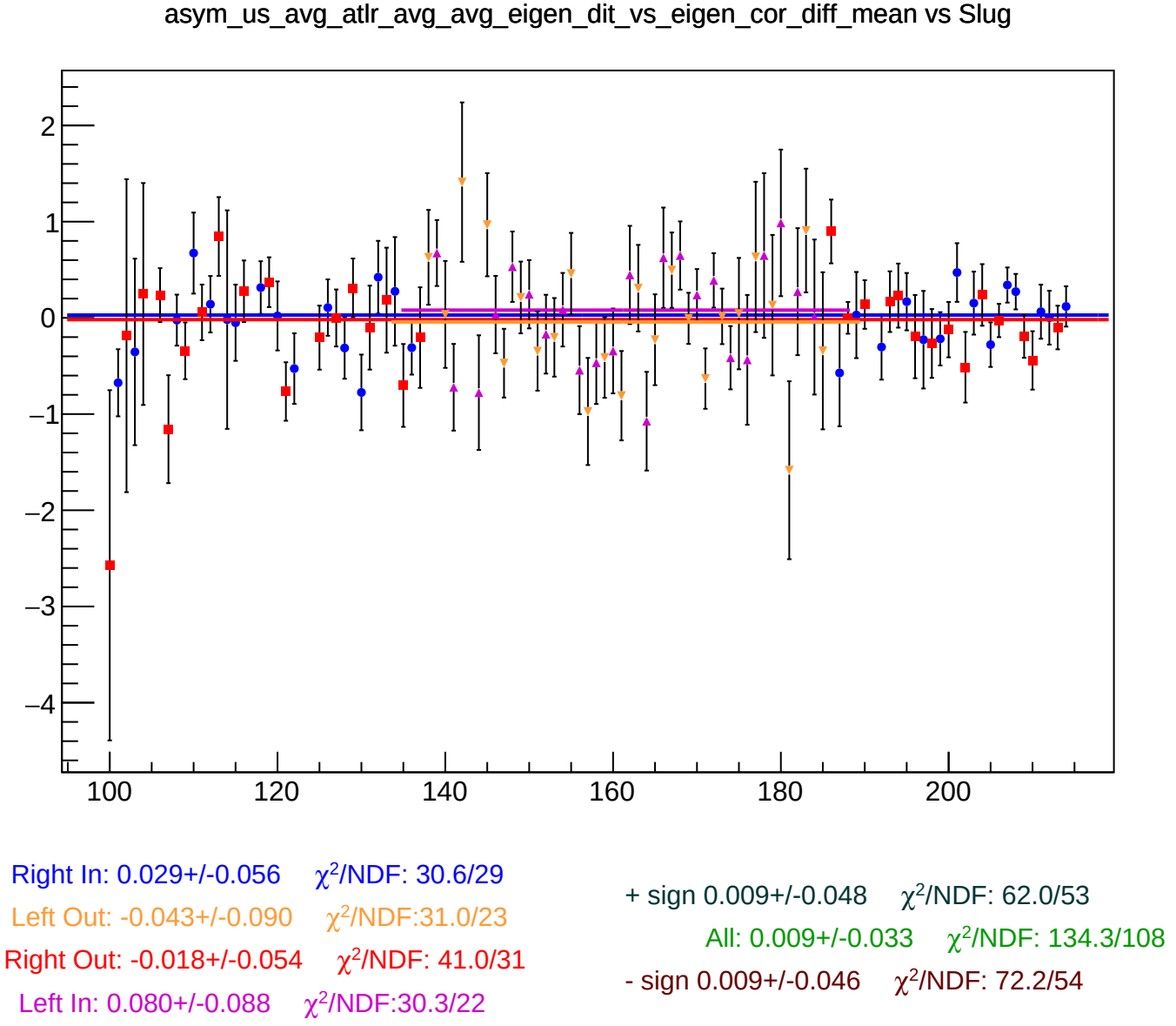
Right Out: 212.604+/-0.038 χ^2/NDF: 3363370.5/31

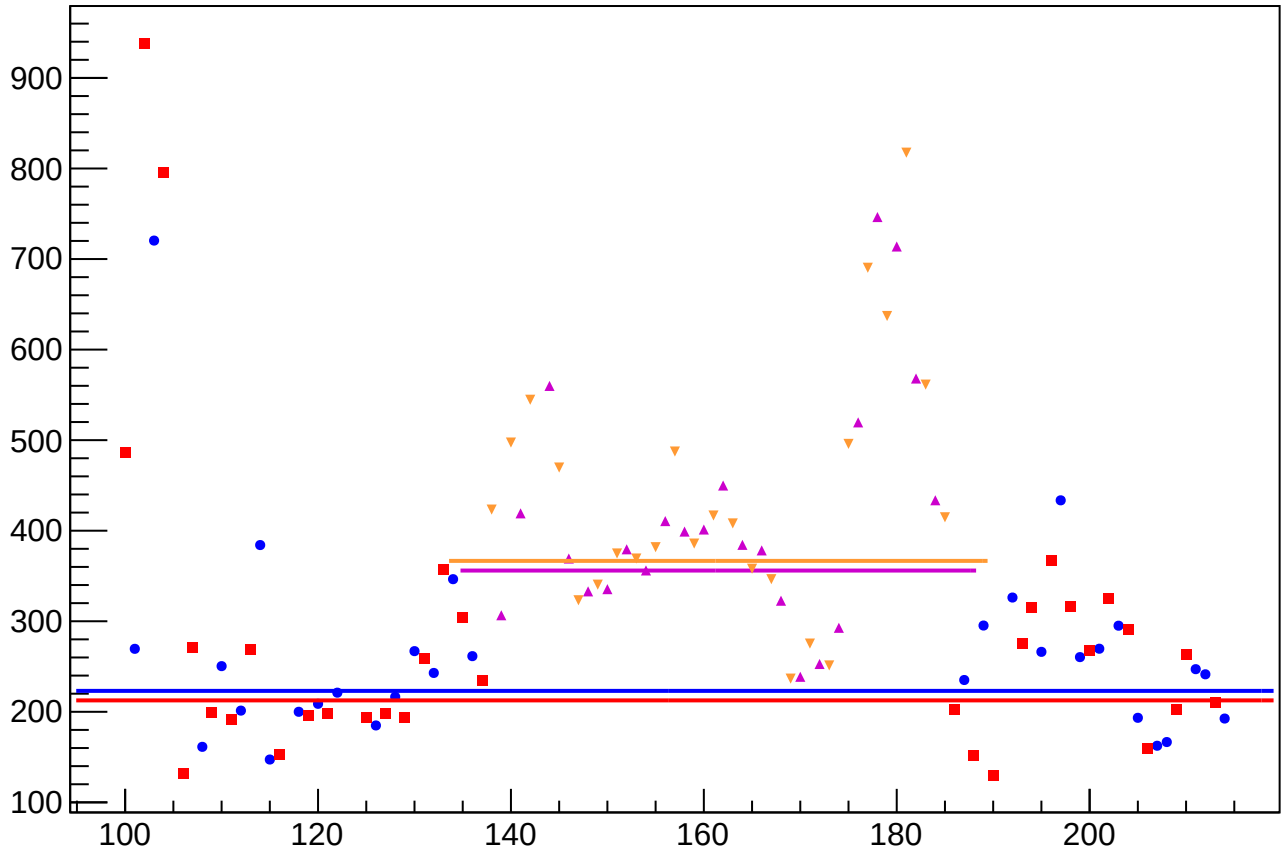
Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 262.918+/-0.034 χ^2/NDF: 8810249.6/53

All: 257.516+/-0.023 χ^2/NDF: 18500199.3/10

- sign 252.423+/-0.033 χ^2/NDF: 9639970.4/54


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.029+/-0.056 χ²/NDF: 30.6/29
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.018+/-0.054 χ²/NDF: 41.0/31
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign 0.009+/-0.048 χ²/NDF: 62.0/53
All: 0.009+/-0.033 χ²/NDF: 134.3/108
- sign 0.009+/-0.046 χ²/NDF: 72.2/54



Right In: 223.113+/-0.040 χ^2/NDF: 2328349.4/29

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

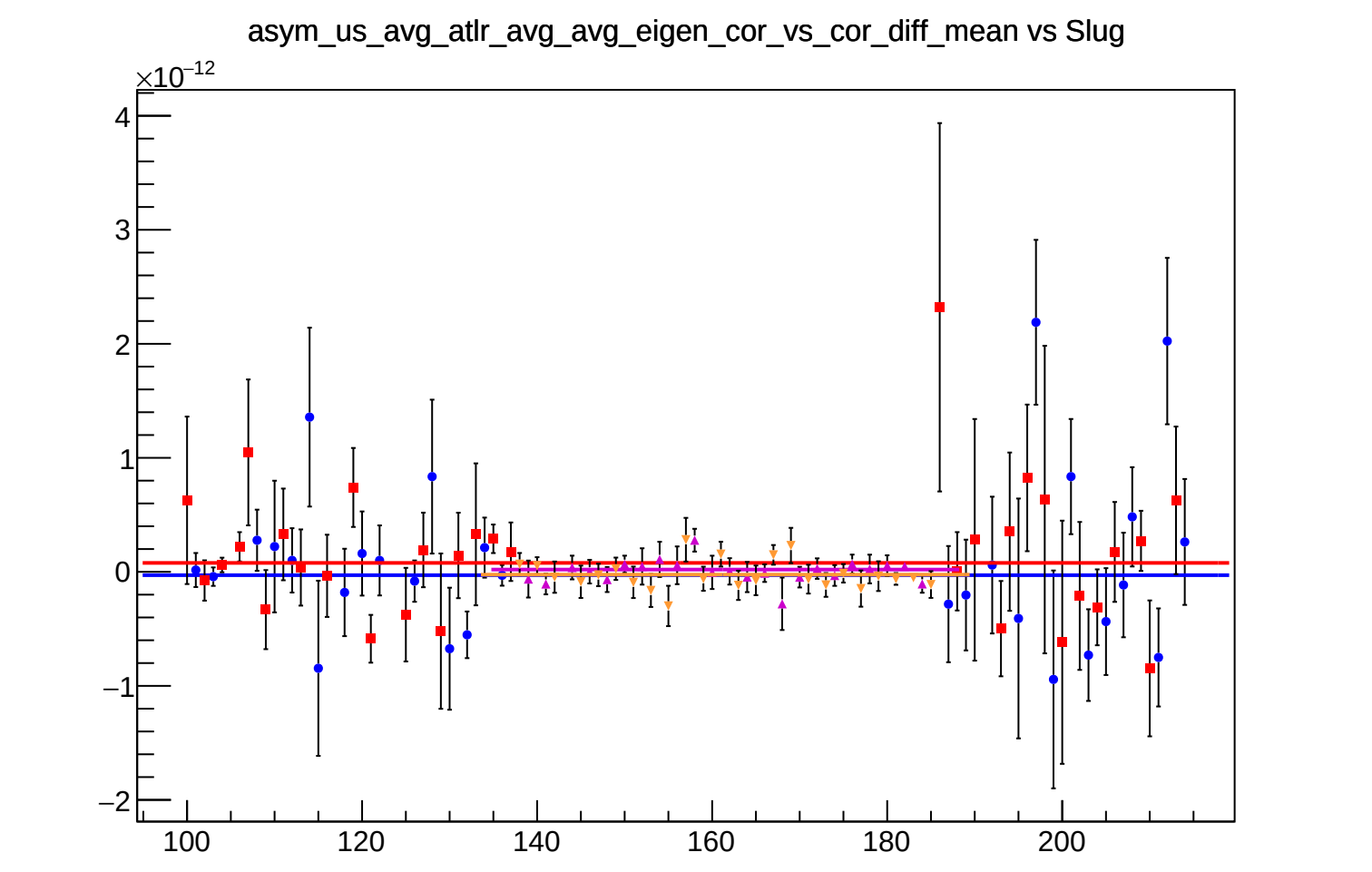
Right Out: 212.604+/-0.038 χ^2/NDF: 3363370.5/31

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 262.918+/-0.034 χ^2/NDF: 8810249.6/53

All: 257.516+/-0.023 χ^2/NDF: 18500199.3/10

- sign 252.423+/-0.033 χ^2/NDF: 9639970.4/54



Right In: -0.000+/-0.000 χ^2/NDF: 47.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

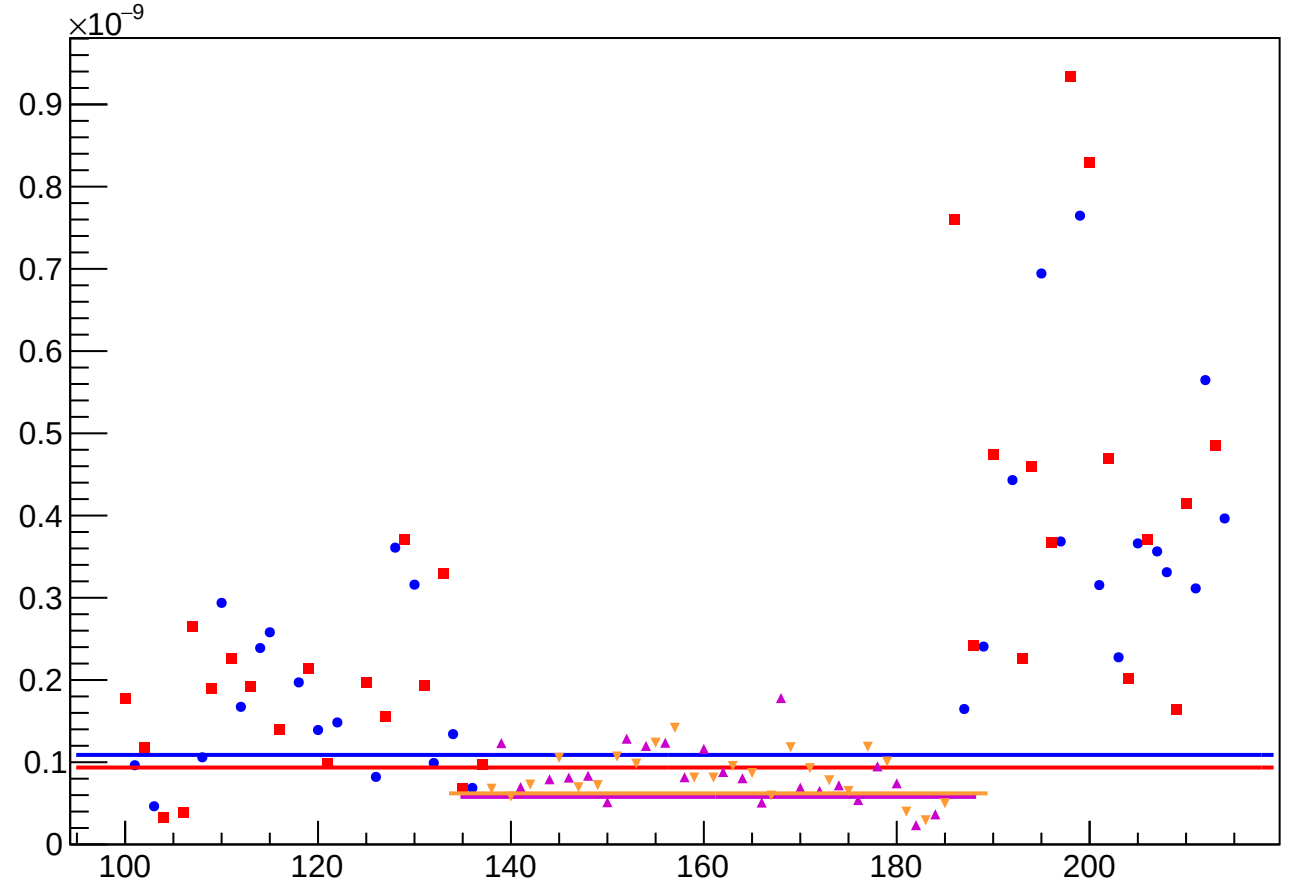
Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/31

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/53

All: 0.000+/-0.000 χ^2/NDF: 130.1/108

- sign 0.000+/-0.000 χ^2/NDF: 56.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 9406211.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11203060.5/31

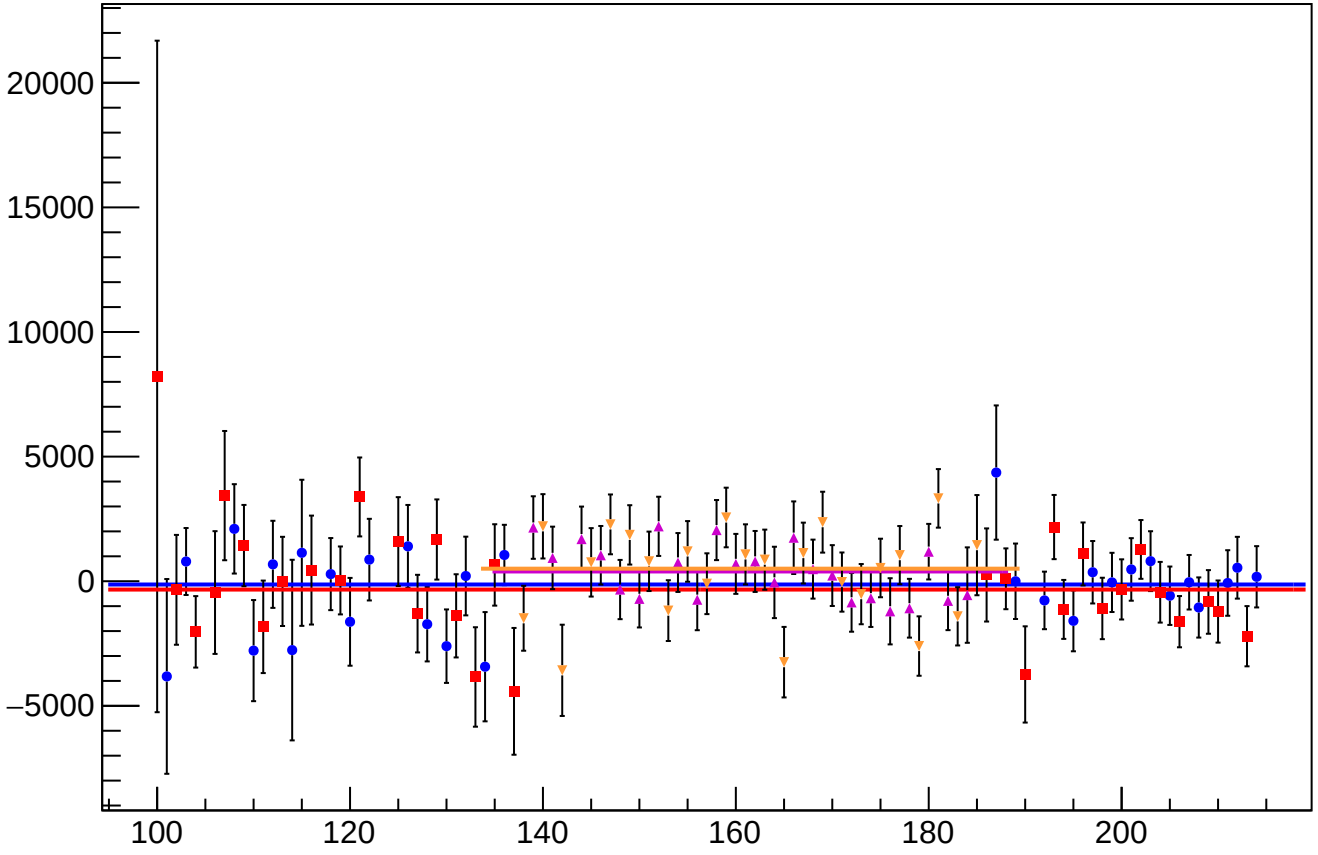
Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15355049.7/53

All: 0.000+/-0.000 χ^2/NDF: 33397660.5/108

- sign 0.000+/-0.000 χ^2/NDF: 17929184.5/54

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -131.462+/-265.007 χ^2/NDF: 21.4/29

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -334.804+/-265.485 χ^2/NDF: 36.8/31

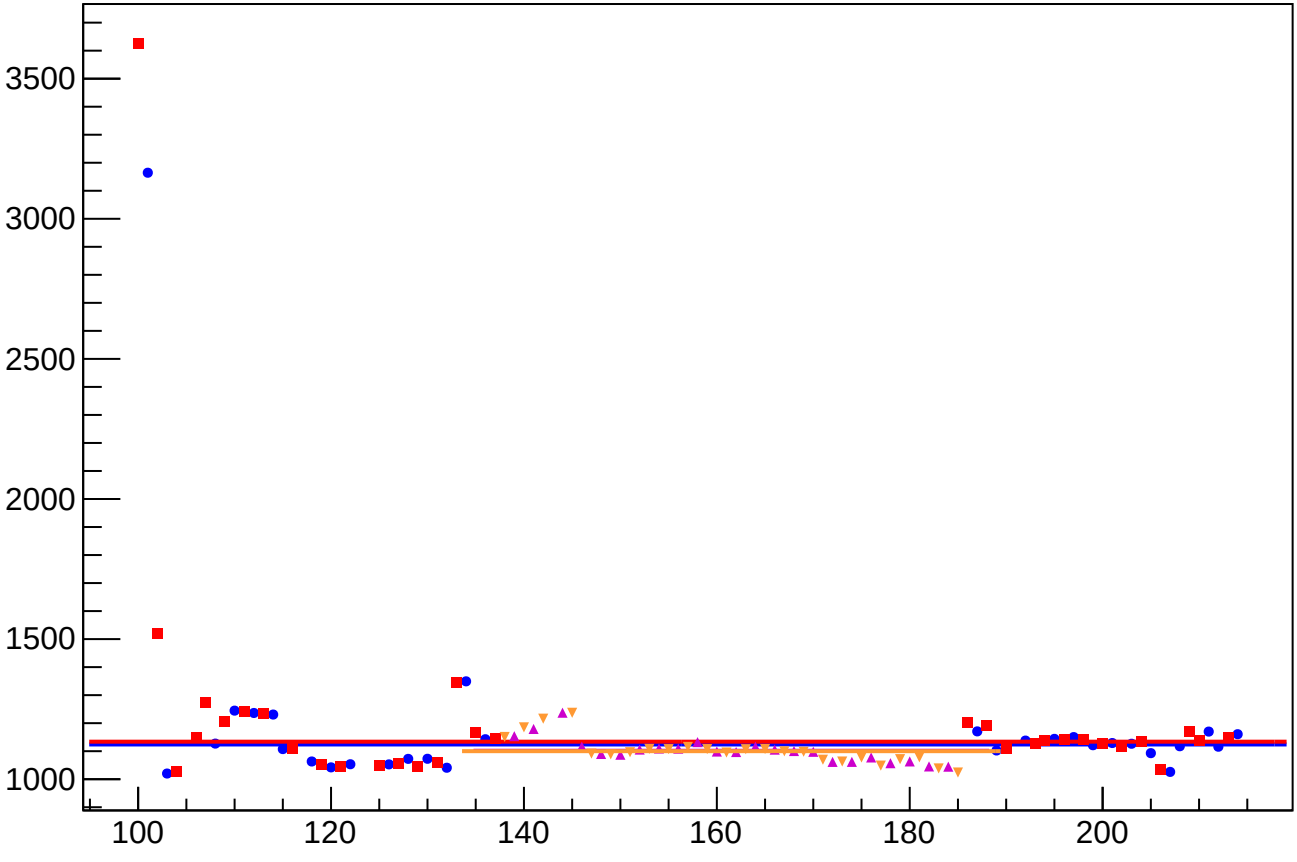
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 197.629+/-183.946 χ^2/NDF: 69.0/53

All: 119.028+/-130.369 χ^2/NDF: 127.8/108

- sign 39.699+/-184.796 χ^2/NDF: 58.4/54

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1123.955+/-0.187 χ^2/NDF: 646095.5/29

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

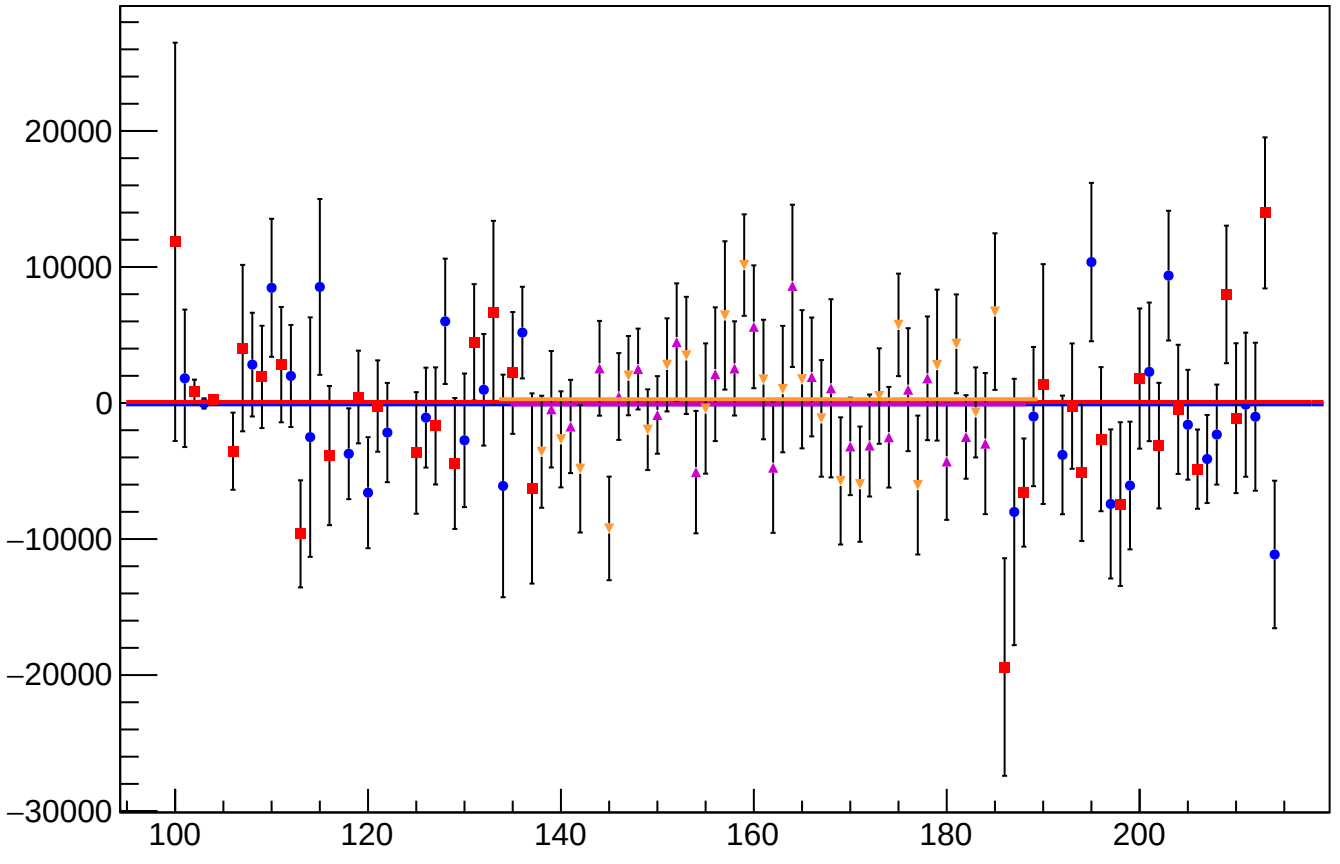
Right Out: 1133.949+/-0.188 χ^2/NDF: 249343.5/31

Left In: 1101.530+/-0.182 χ^2/NDF:52149.9/22

+ sign 1111.574+/-0.130 χ^2/NDF: 713253.2/53

All: 1114.399+/-0.092 χ^2/NDF: 1031074.5/10

- sign 1117.248+/-0.131 χ^2/NDF: 316873.9/54



Right In: -96.902+/-344.140 χ^2/NDF: 33.4/29

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

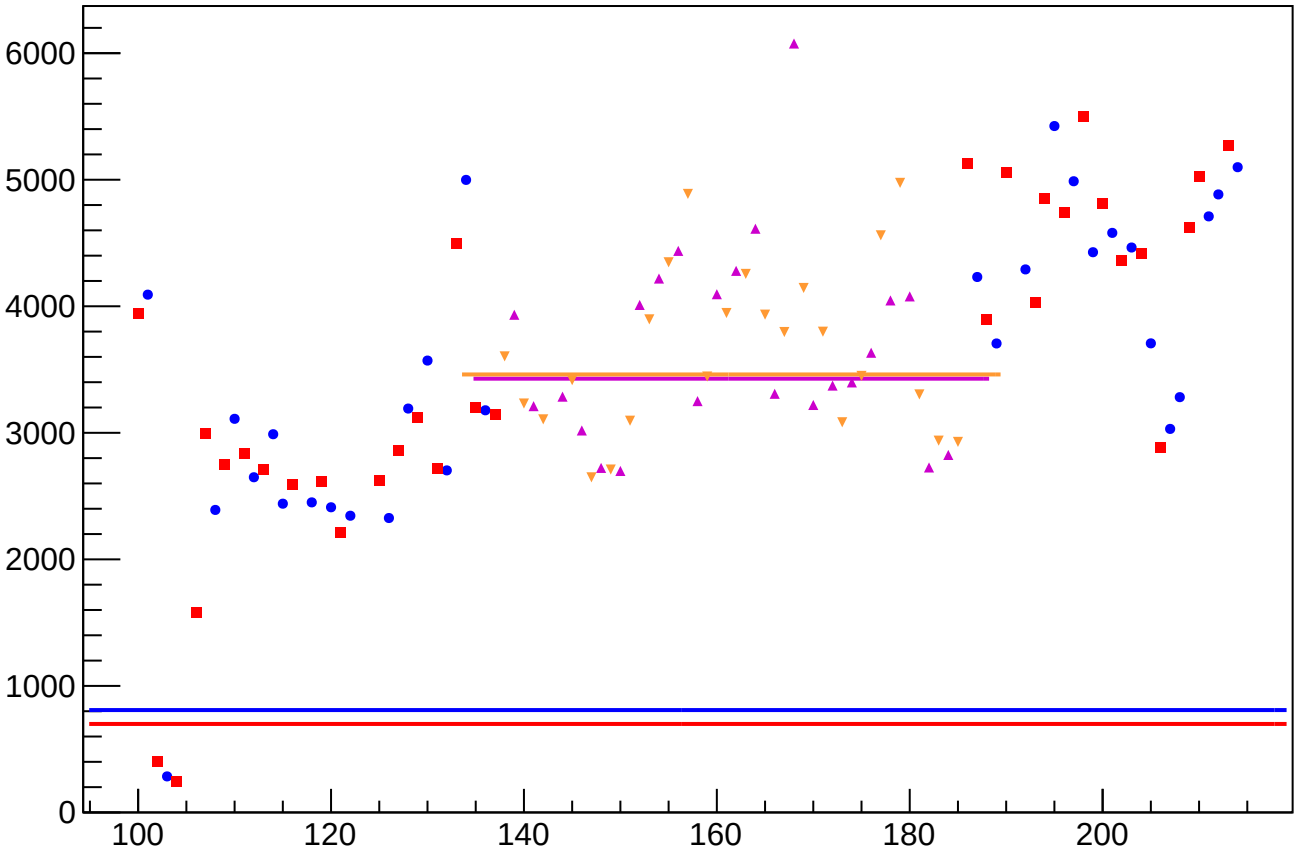
Right Out: 76.824+/-313.043 χ^2/NDF: 39.6/31

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -40.890+/-317.356 χ^2/NDF: 63.5/53

All: 10.915+/-215.012 χ^2/NDF: 116.9/108

- sign 54.871+/-292.330 χ^2/NDF: 53.3/54



Right In: 809.102+/-0.243 χ^2/NDF: 25151889.5/29

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 699.371+/-0.221 χ^2/NDF: 26011486.1/31

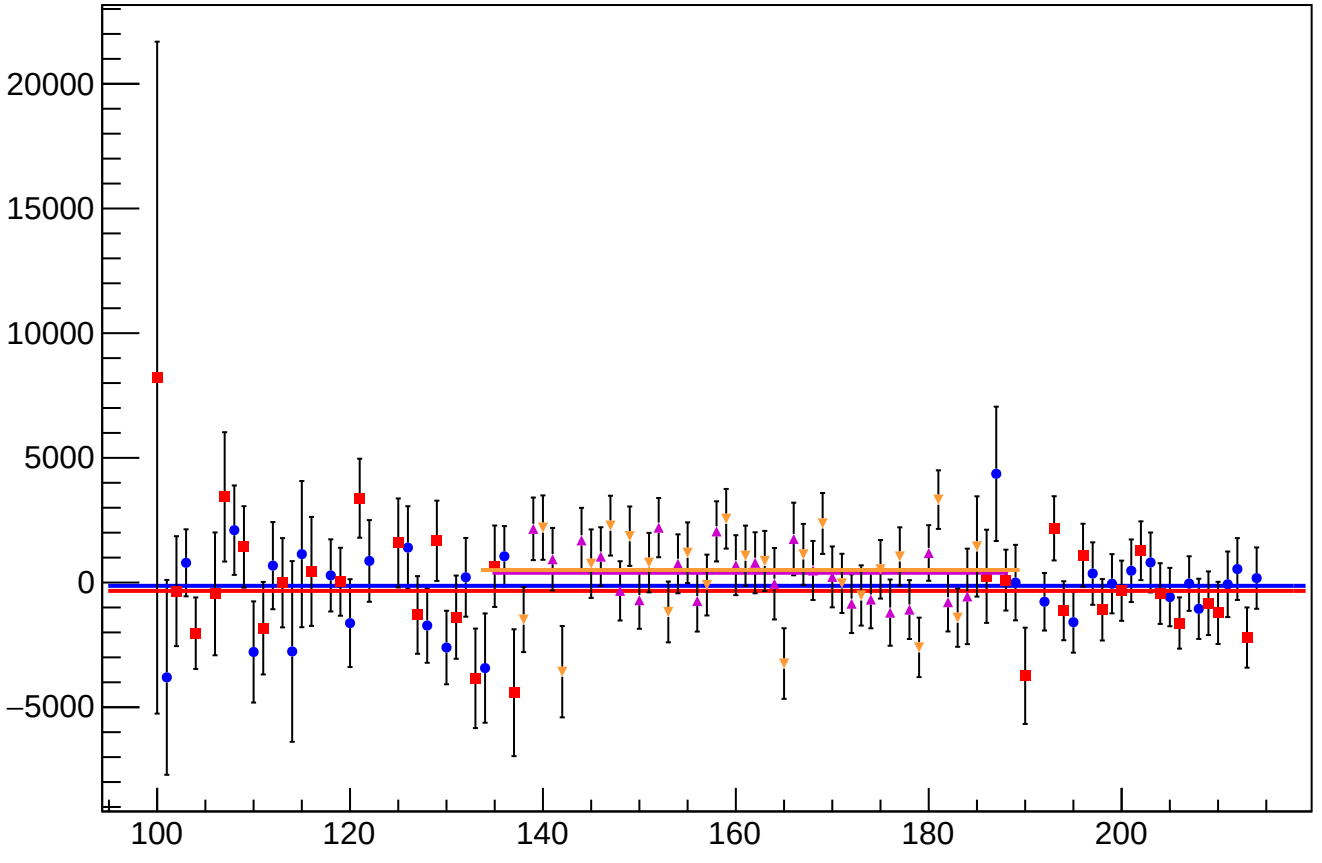
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1205.868+/-0.224 χ^2/NDF: 43980787.0/53

All: 1120.736+/-0.152 χ^2/NDF: 90943005.9/1

- sign 1048.501+/-0.207 χ^2/NDF: 46696180.9/54

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -131.416+/-265.007 χ^2/NDF: 21.4/29

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -334.815+/-265.485 χ^2/NDF: 36.8/31

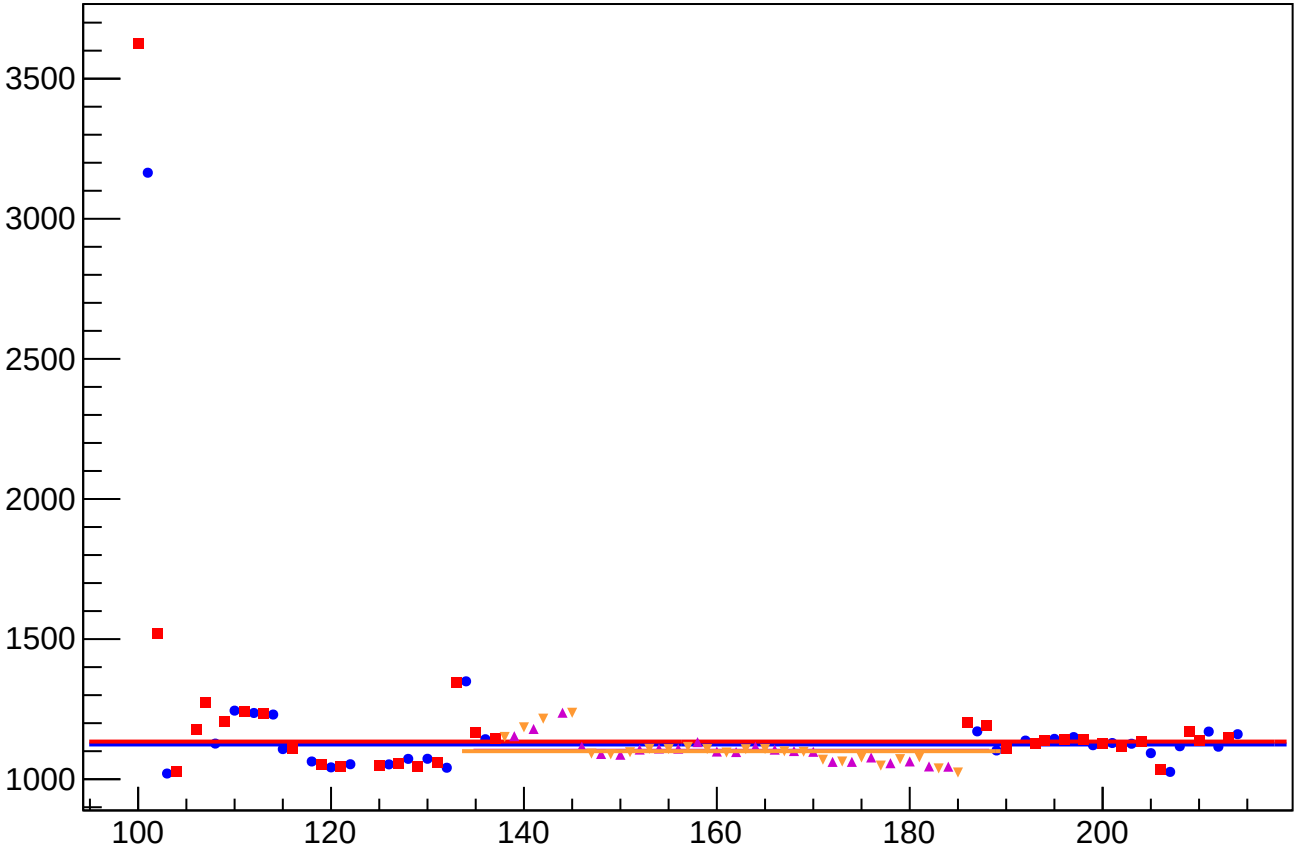
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 197.689+/-183.946 χ^2/NDF: 68.9/53

All: 119.052+/-130.369 χ^2/NDF: 127.7/108

- sign 39.687+/-184.796 χ^2/NDF: 58.4/54

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1123.955+/-0.187 χ^2/NDF: 646096.7/29

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

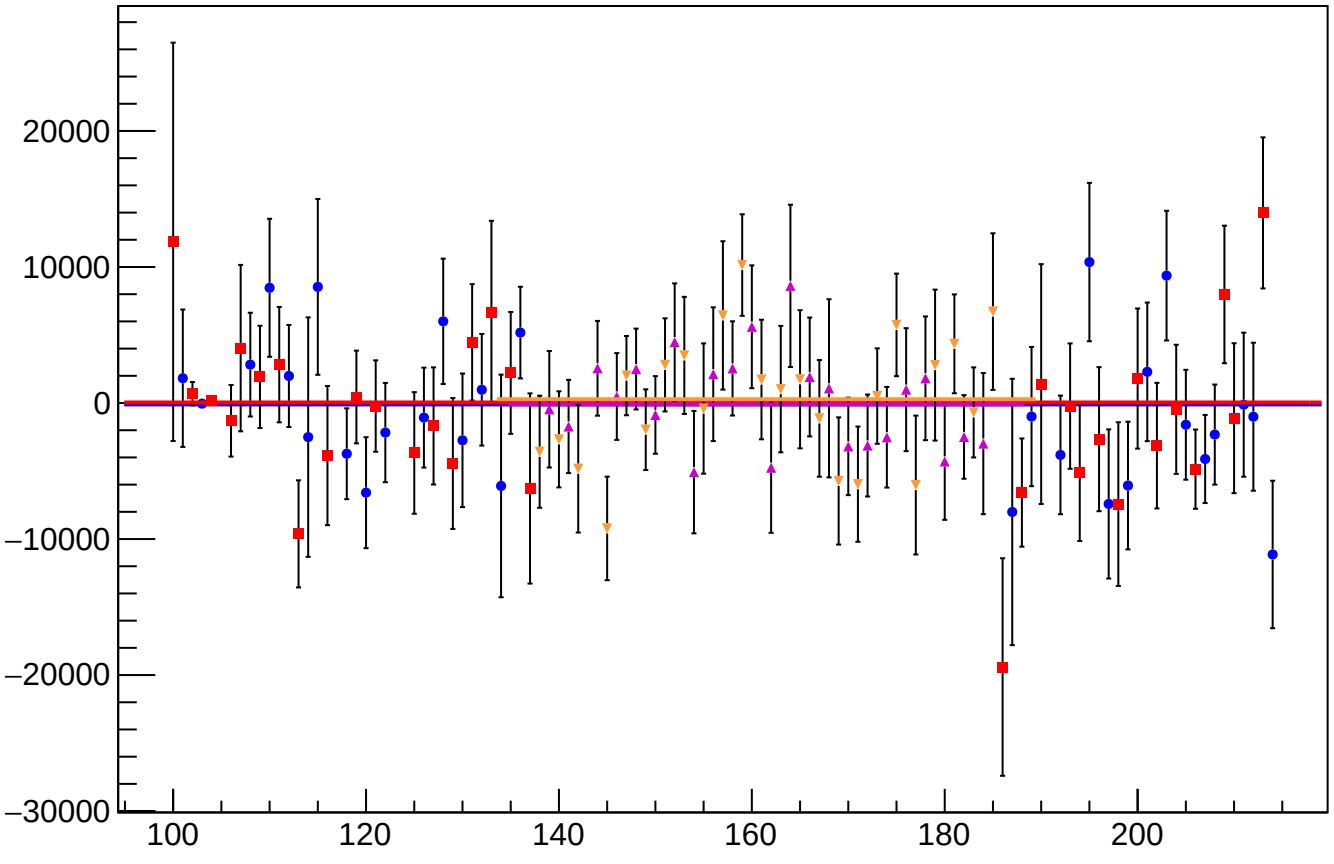
Right Out: 1134.310+/-0.188 χ^2/NDF: 249951.8/31

Left In: 1101.530+/-0.182 χ^2/NDF:52149.9/22

+ sign 1111.574+/-0.130 χ^2/NDF: 713254.2/53

All: 1114.482+/-0.092 χ^2/NDF: 1032077.3/10

- sign 1117.416+/-0.131 χ^2/NDF: 317819.2/54



Right In: -103.340+/-332.399 χ^2/NDF: 33.4/29

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

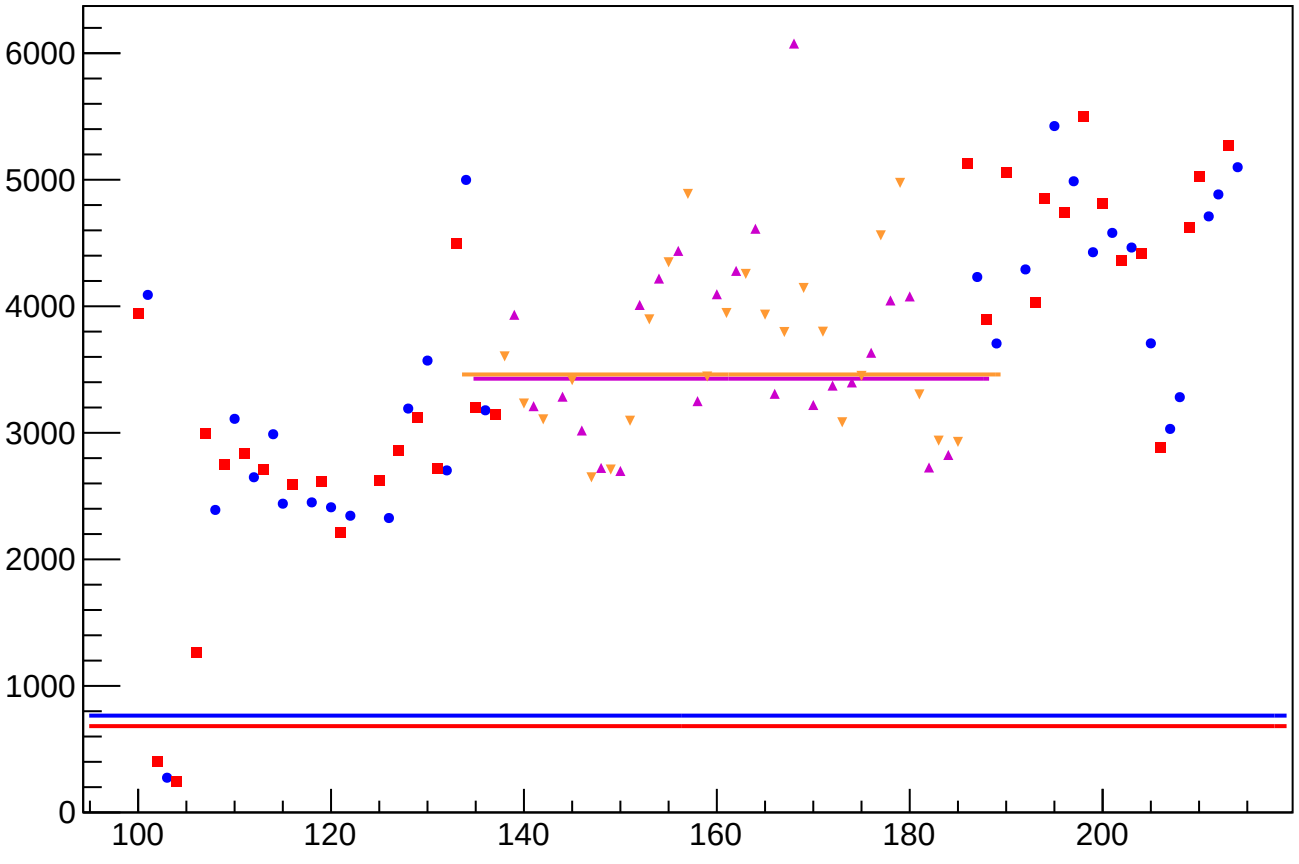
Right Out: 37.724+/-308.303 χ^2/NDF: 37.9/31

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -49.643+/-308.078 χ^2/NDF: 63.5/53

All: -11.884+/-210.566 χ^2/NDF: 115.1/108

- sign 21.220+/-288.459 χ^2/NDF: 51.6/54



Right In: 765.244+/-0.235 χ^2/NDF: 25617296.9/29

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

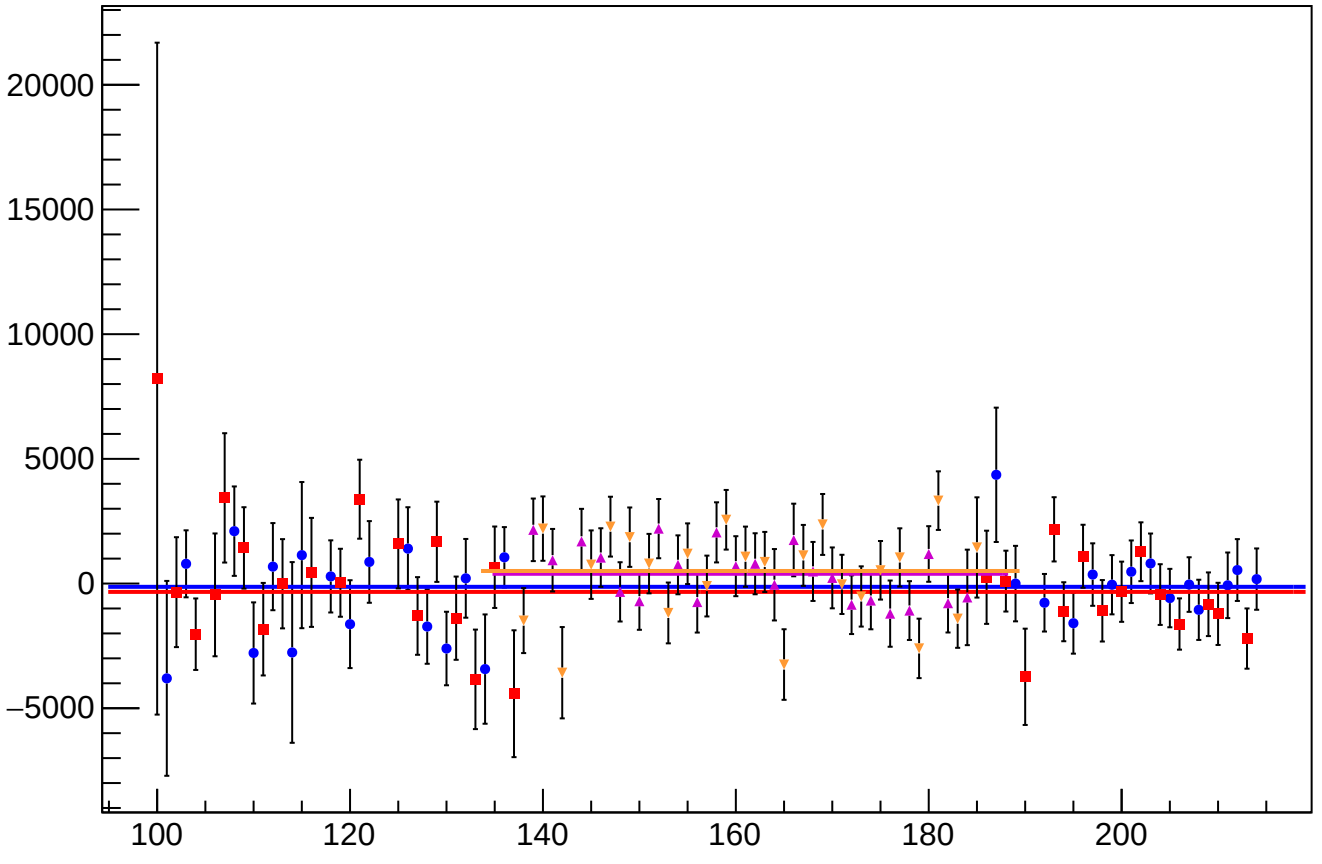
Right Out: 682.193+/-0.218 χ^2/NDF: 26059492.1/31

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1145.334+/-0.218 χ^2/NDF: 45224910.1/53

All: 1080.828+/-0.149 χ^2/NDF: 92455214.6/1

- sign 1024.278+/-0.204 χ^2/NDF: 47065758.3/54



Right In: -131.416+/-265.007 χ^2/NDF: 21.4/29

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -334.815+/-265.485 χ^2/NDF: 36.8/31

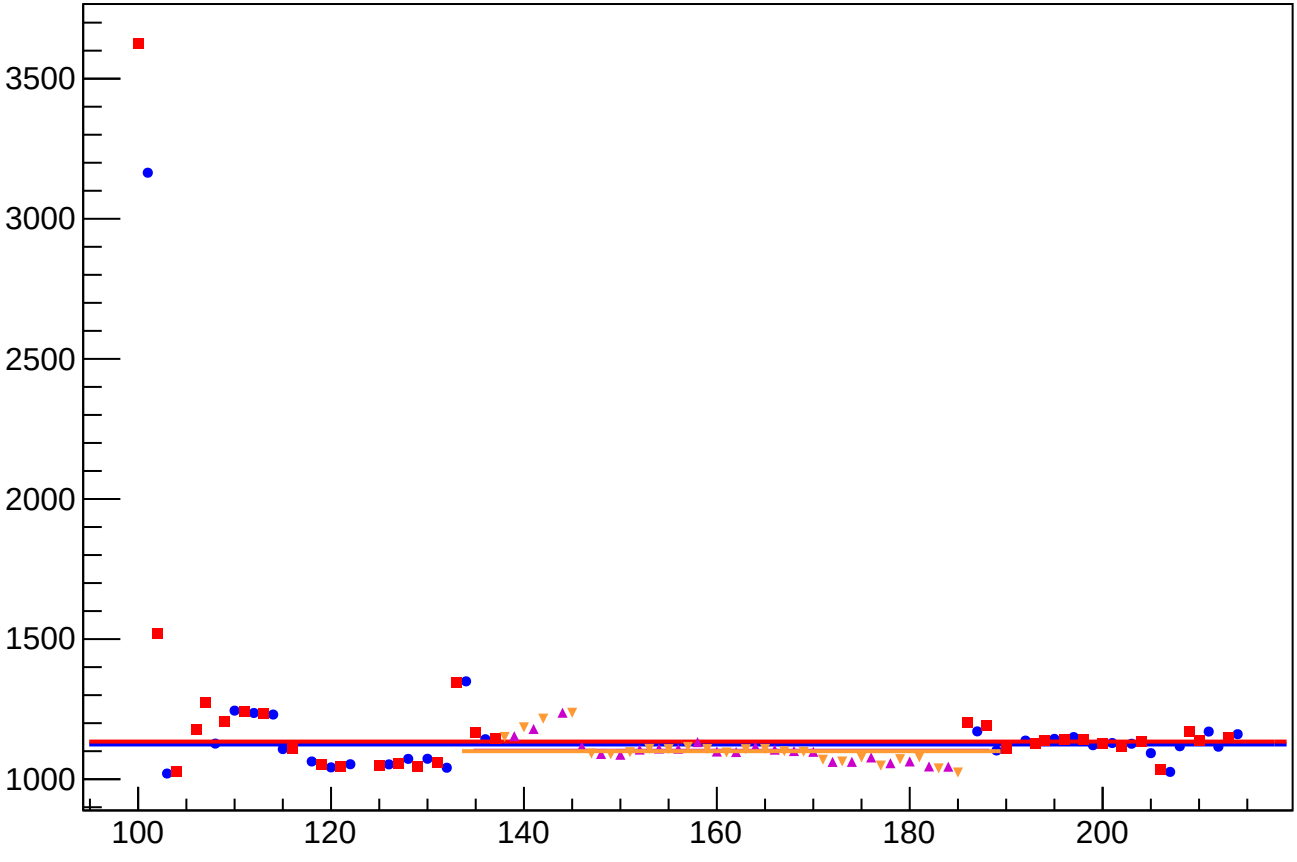
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 197.689+/-183.946 χ^2/NDF: 68.9/53

All: 119.052+/-130.369 χ^2/NDF: 127.7/108

- sign 39.687+/-184.796 χ^2/NDF: 58.4/54

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1123.955+/-0.187 χ^2/NDF: 646096.7/29

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

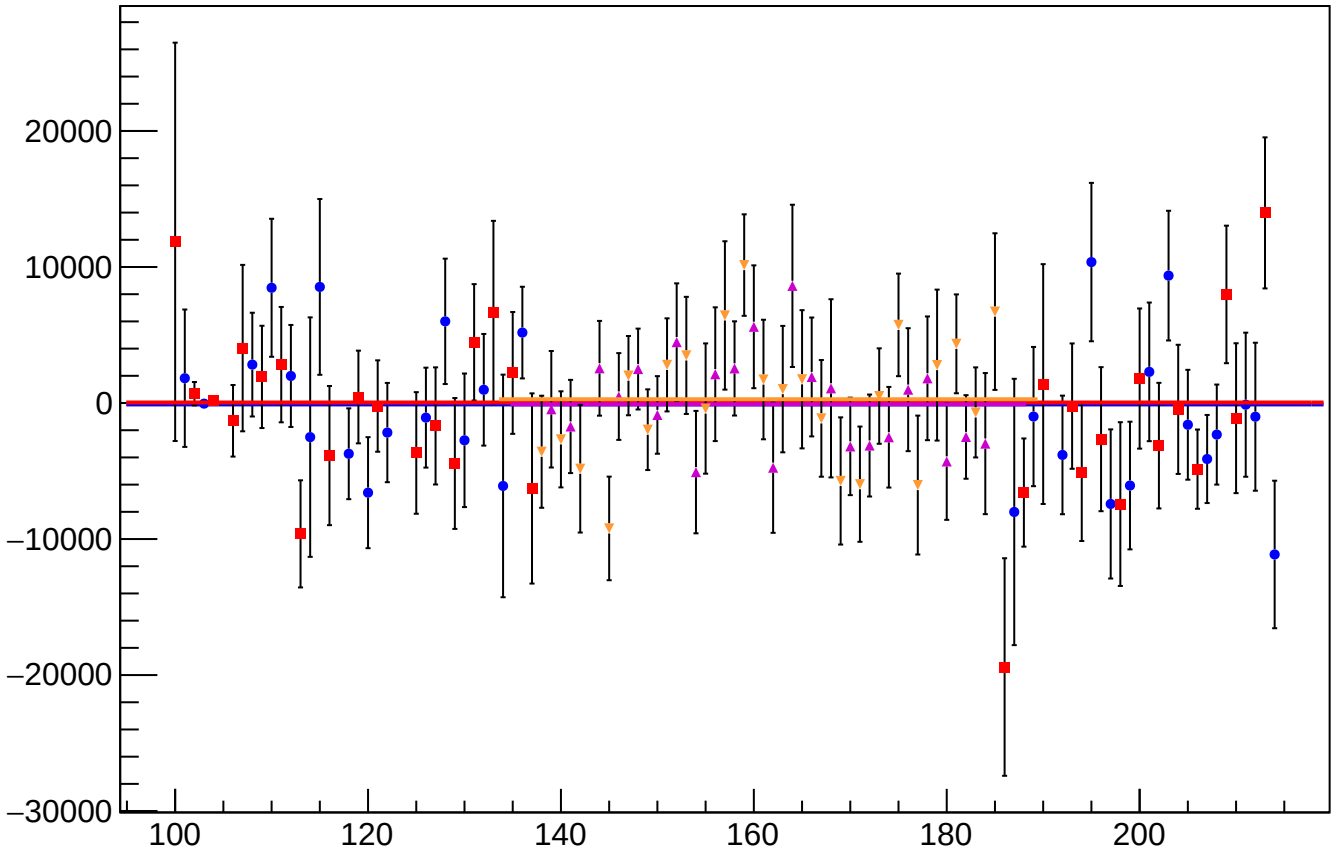
Right Out: 1134.310+/-0.188 χ^2/NDF: 249951.8/31

Left In: 1101.530+/-0.182 χ^2/NDF:52149.9/22

+ sign 1111.574+/-0.130 χ^2/NDF: 713254.2/53

All: 1114.482+/-0.092 χ^2/NDF: 1032077.3/10

- sign 1117.416+/-0.131 χ^2/NDF: 317819.2/54



Right In: -103.340+/-332.399 χ^2/NDF: 33.4/29

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

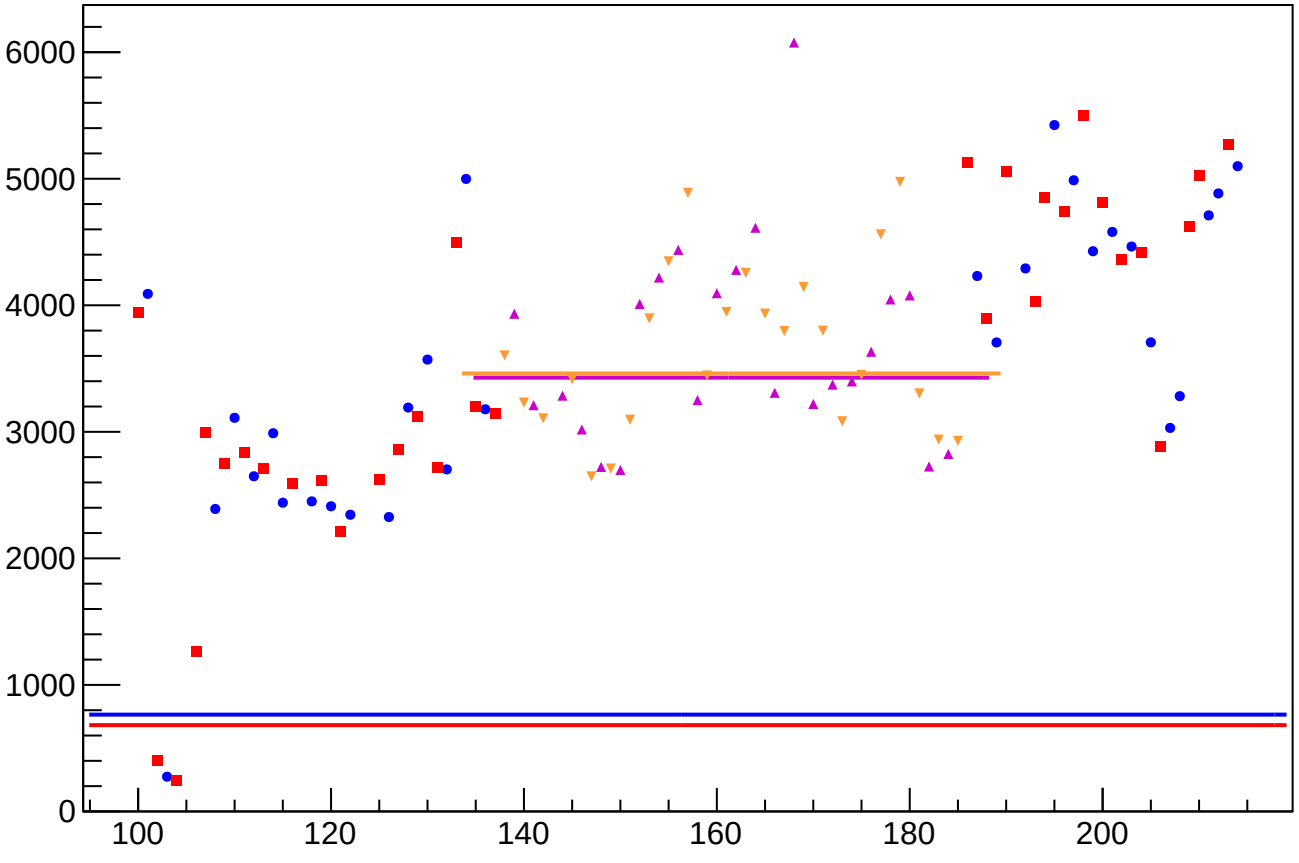
Right Out: 37.724+/-308.303 χ^2/NDF: 37.9/31

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -49.643+/-308.078 χ^2/NDF: 63.5/53

All: -11.884+/-210.566 χ^2/NDF: 115.1/108

- sign 21.220+/-288.459 χ^2/NDF: 51.6/54



Right In: 765.244+/-0.235 χ^2/NDF: 25617296.9/29

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 682.193+/-0.218 χ^2/NDF: 26059492.1/31

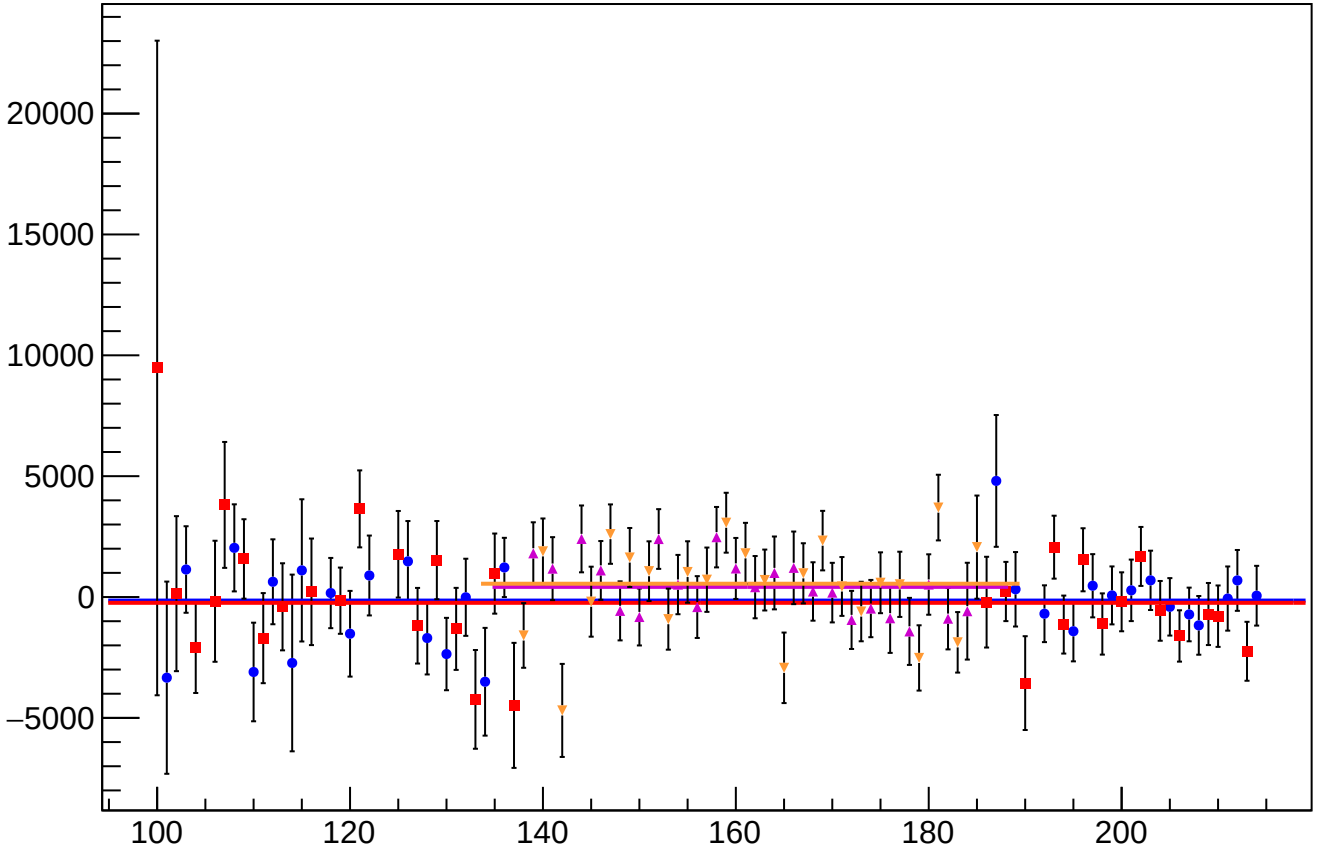
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1145.334+/-0.218 χ^2/NDF: 45224910.1/53

All: 1080.828+/-0.149 χ^2/NDF: 92455214.6/1

- sign 1024.278+/-0.204 χ^2/NDF: 47065758.3/54

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -146.588+/-270.768 χ^2/NDF: 21.3/29

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -238.685+/-272.208 χ^2/NDF: 38.4/31

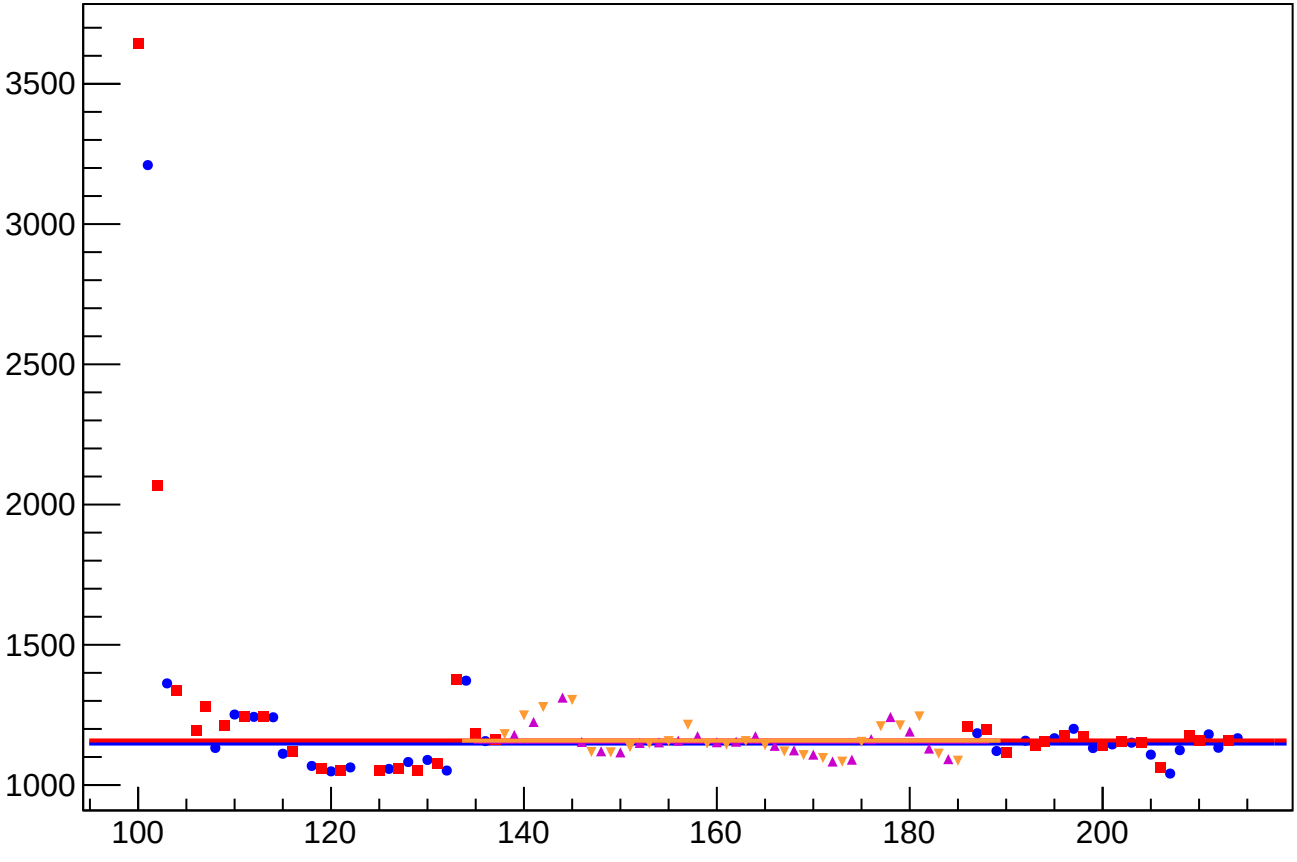
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 204.054+/-190.907 χ^2/NDF: 69.9/53

All: 149.275+/-135.246 χ^2/NDF: 129.4/108

- sign 94.081+/-191.628 χ^2/NDF: 59.4/54

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.909+/-0.191 χ^2/NDF: 666357.0/29

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

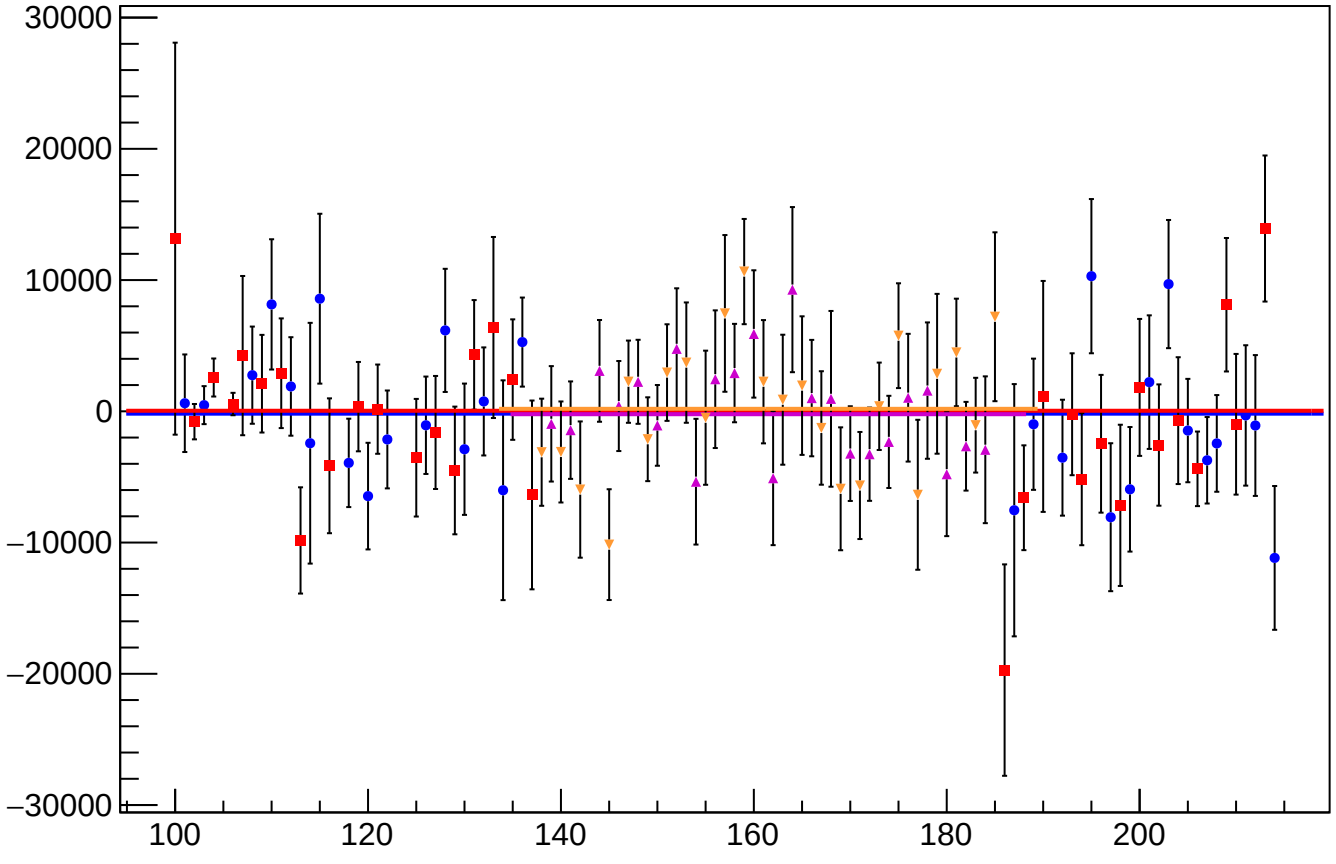
Right Out: 1158.943+/-0.192 χ^2/NDF: 356030.6/31

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1153.073+/-0.135 χ^2/NDF: 751914.9/53

All: 1154.813+/-0.096 χ^2/NDF: 1175058.6/10

- sign 1156.566+/-0.135 χ^2/NDF: 422809.9/54



Right In: -179.113+/-719.905 χ^2/NDF: 32.9/29

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

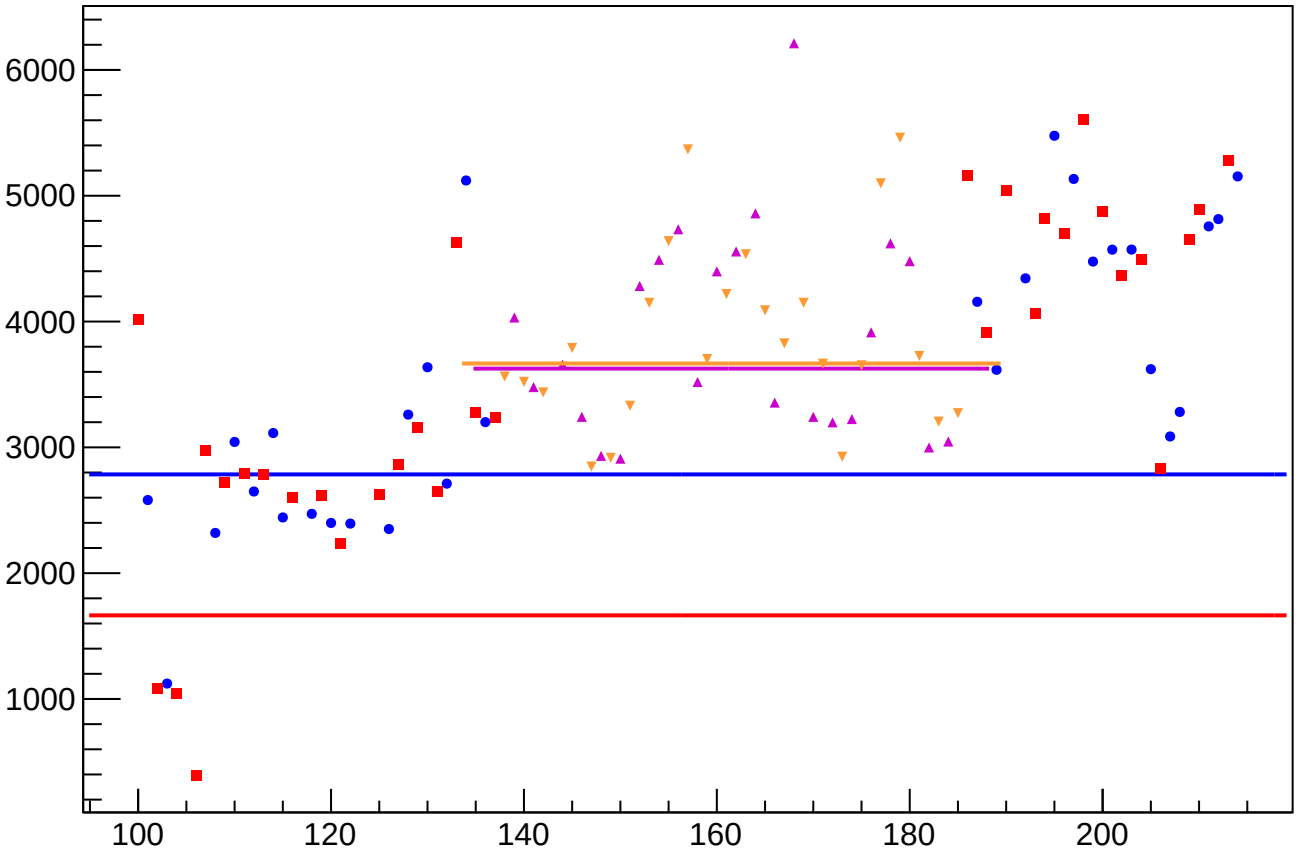
Right Out: 42.207+/-518.571 χ^2/NDF: 40.2/31

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign -29.086+/-554.493 χ^2/NDF: 62.3/53

All: -28.123+/-346.933 χ^2/NDF: 116.0/108

- sign -27.503+/-444.737 χ^2/NDF: 53.7/54



Right In: 2785.068+/-0.509 χ^2/NDF: 5997106.7/29

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1664.606+/-0.367 χ^2/NDF: 16174685.5/31

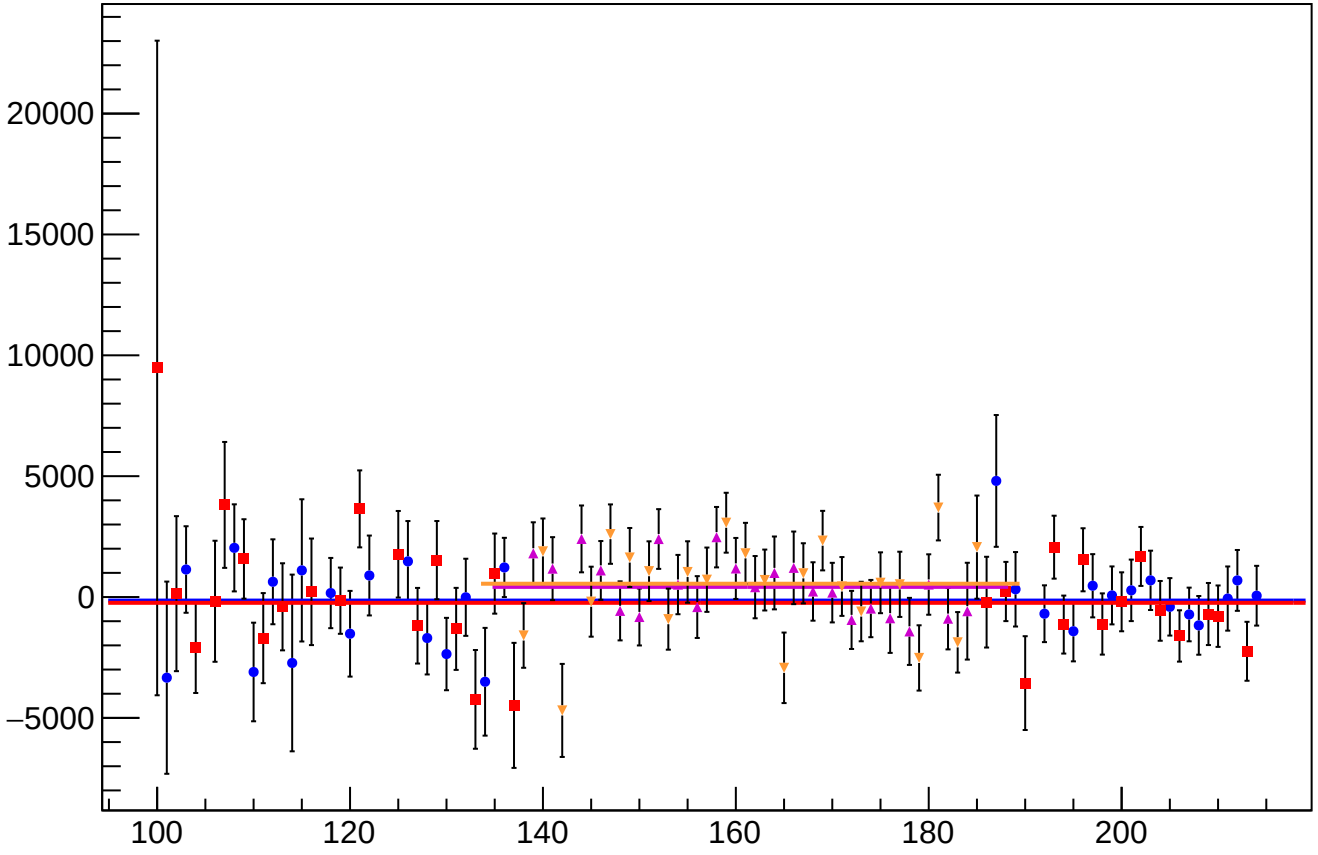
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3143.600+/-0.392 χ^2/NDF: 8312527.3/53

All: 2559.257+/-0.245 χ^2/NDF: 36962019.3/1

- sign 2183.349+/-0.314 χ^2/NDF: 24999521.6/54

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -146.585+/-270.768 χ^2/NDF: 21.3/29

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -238.685+/-272.208 χ^2/NDF: 38.4/31

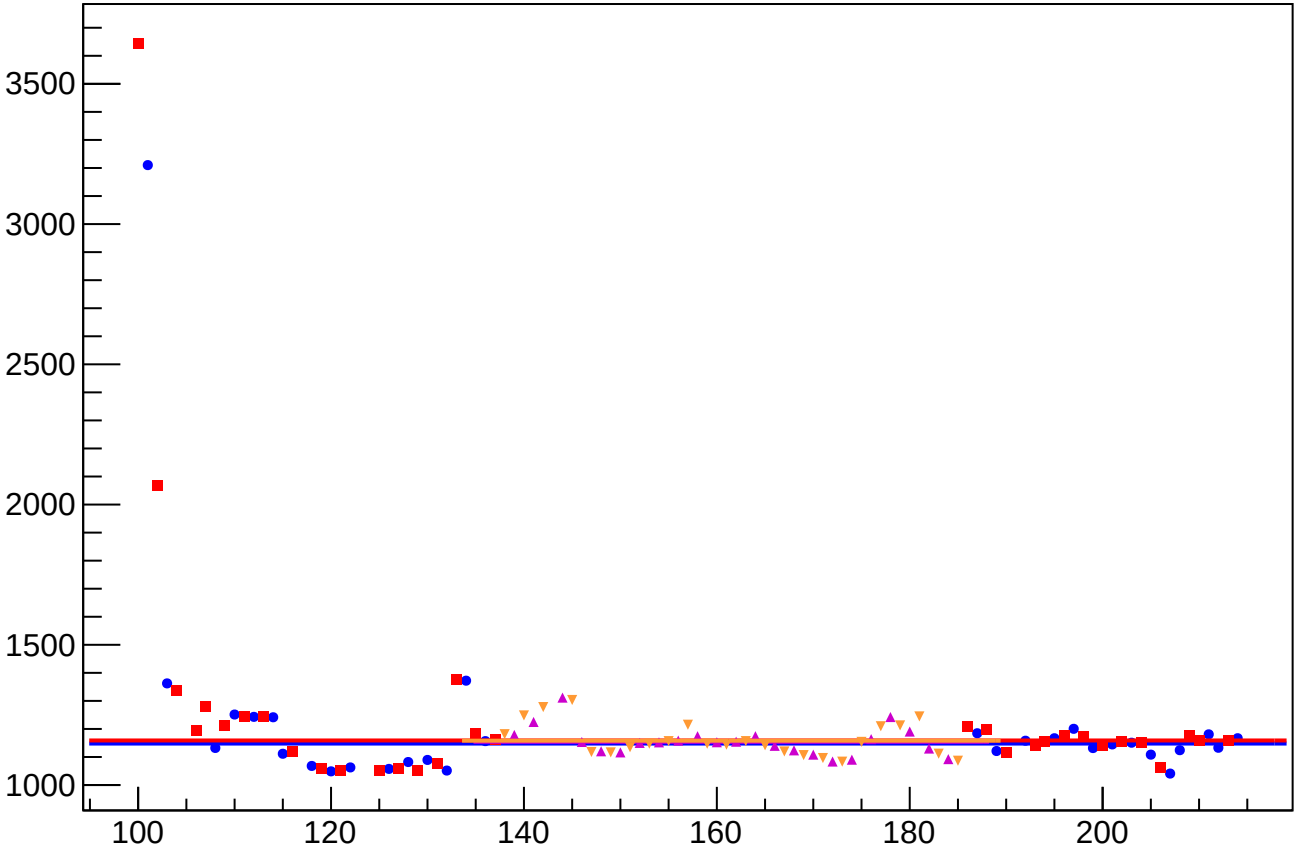
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 204.056+/-190.907 χ^2/NDF: 69.9/53

All: 149.275+/-135.246 χ^2/NDF: 129.4/108

- sign 94.080+/-191.628 χ^2/NDF: 59.4/54

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1147.909+/-0.191 χ^2/NDF: 666357.4/29

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

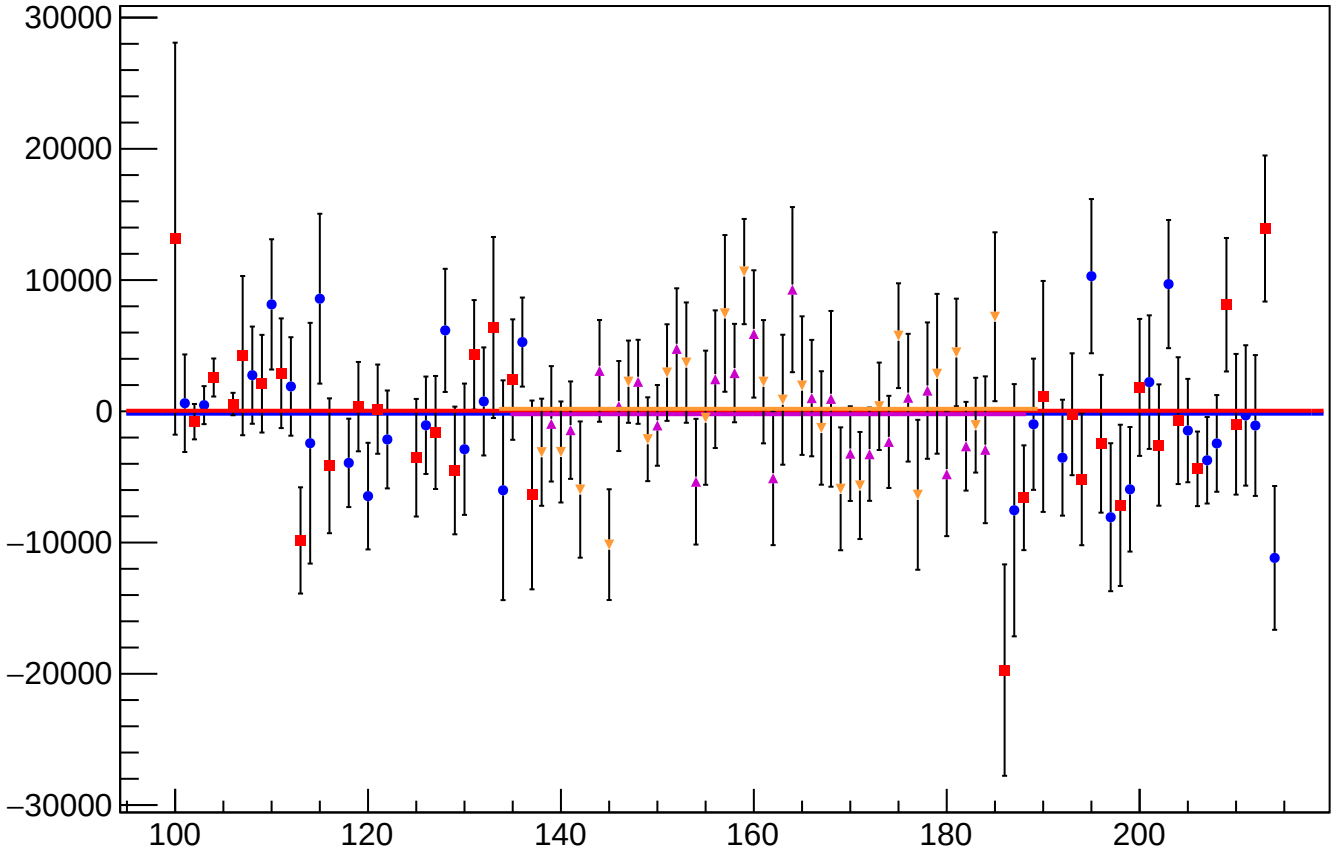
Right Out: 1158.943+/-0.192 χ^2/NDF: 356030.4/31

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1153.073+/-0.135 χ^2/NDF: 751918.2/53

All: 1154.814+/-0.096 χ^2/NDF: 1175063.9/10

- sign 1156.567+/-0.135 χ^2/NDF: 422812.1/54



Right In: -179.115+/-719.905 χ^2/NDF: 32.9/29

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

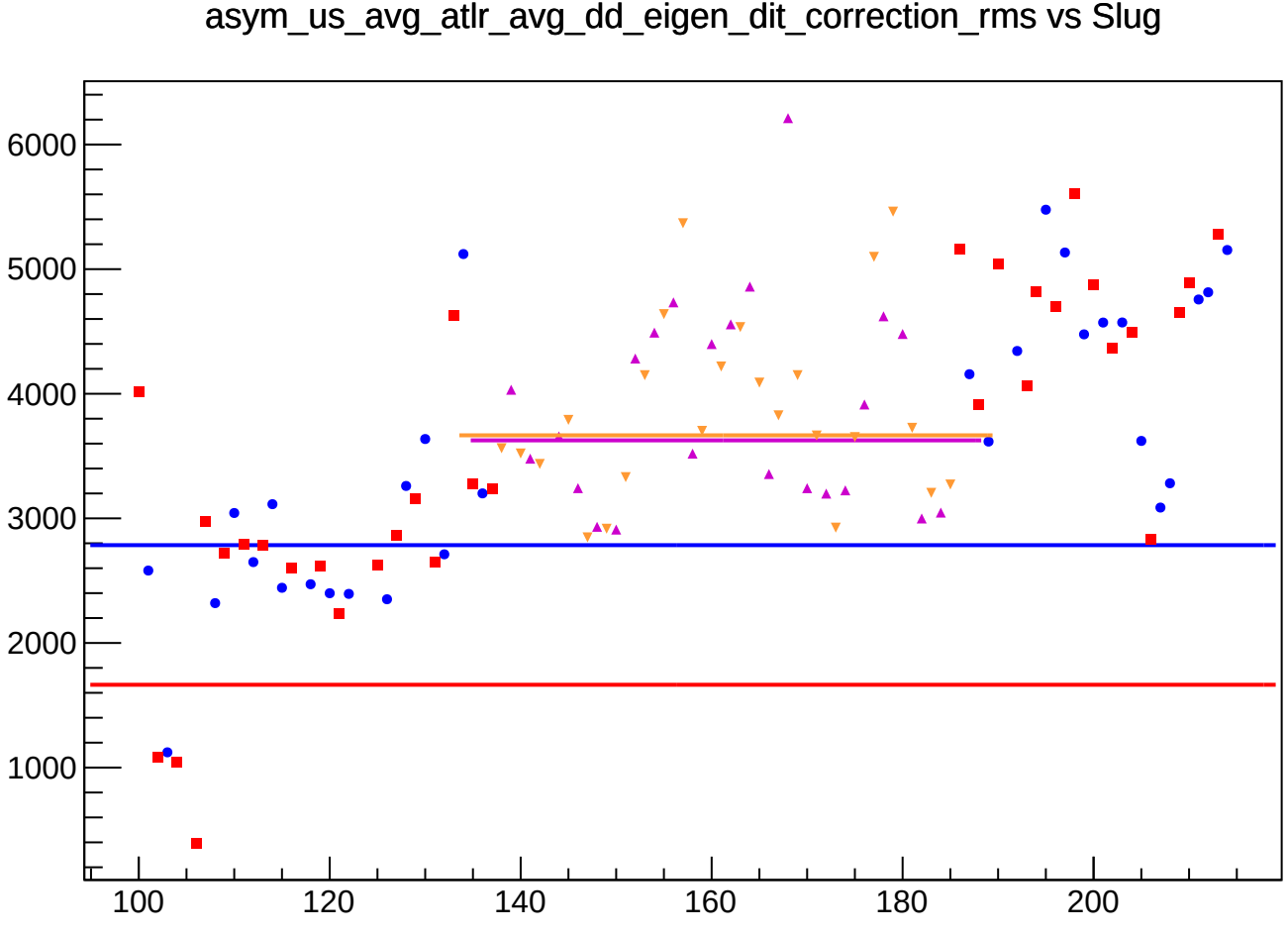
Right Out: 42.215+/-518.565 χ^2/NDF: 40.2/31

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign -29.088+/-554.493 χ^2/NDF: 62.3/53

All: -28.119+/-346.931 χ^2/NDF: 116.0/108

- sign -27.496+/-444.734 χ^2/NDF: 53.7/54



Right In: 2785.065+/-0.509 χ^2/NDF: 5997133.6/29

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1664.576+/-0.367 χ^2/NDF: 16175006.7/31

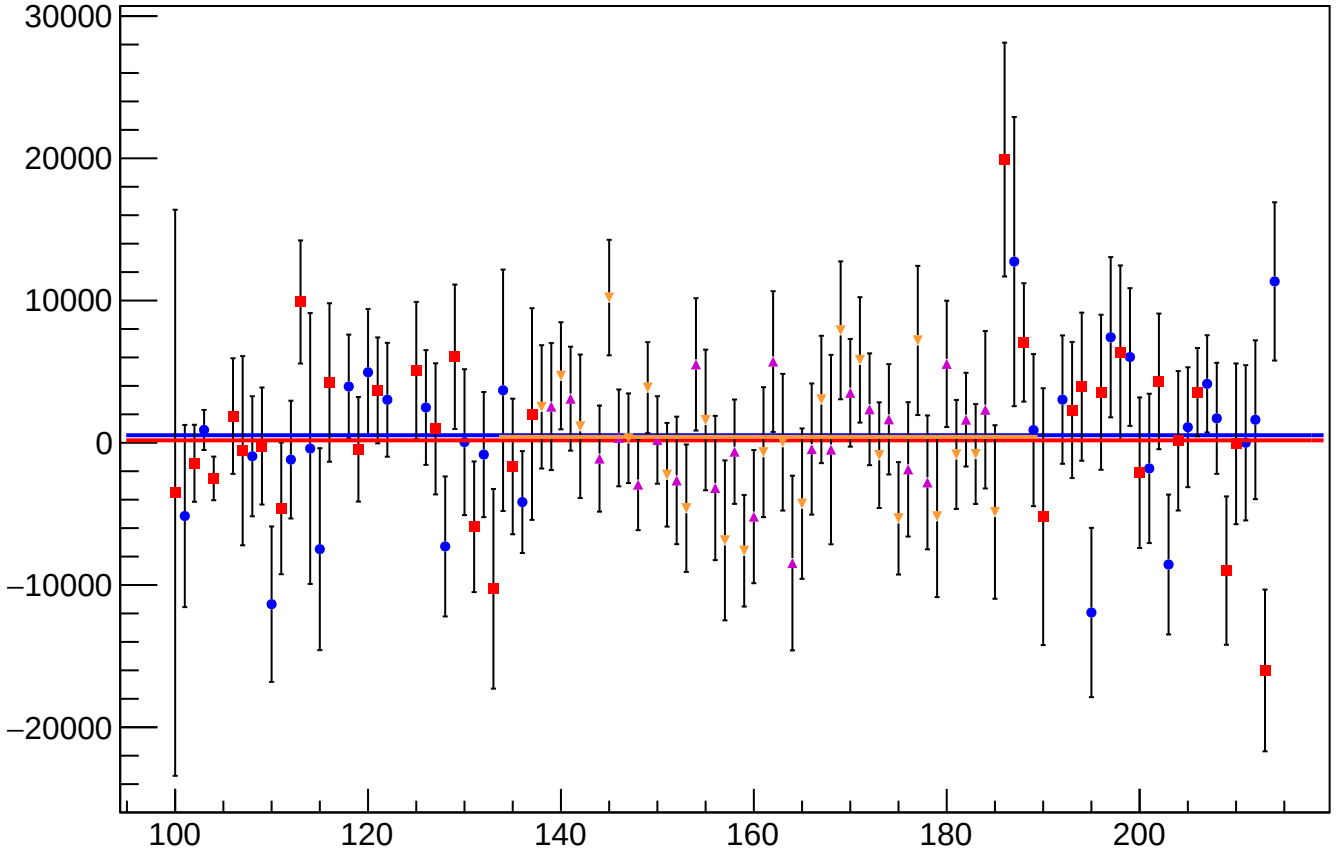
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3143.599+/-0.392 χ^2/NDF: 8312577.5/53

All: 2559.236+/-0.245 χ^2/NDF: 36962922.4/1

- sign 2183.320+/-0.314 χ^2/NDF: 25000137.1/54

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 530.223+/-754.067 χ^2/NDF: 31.7/29

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

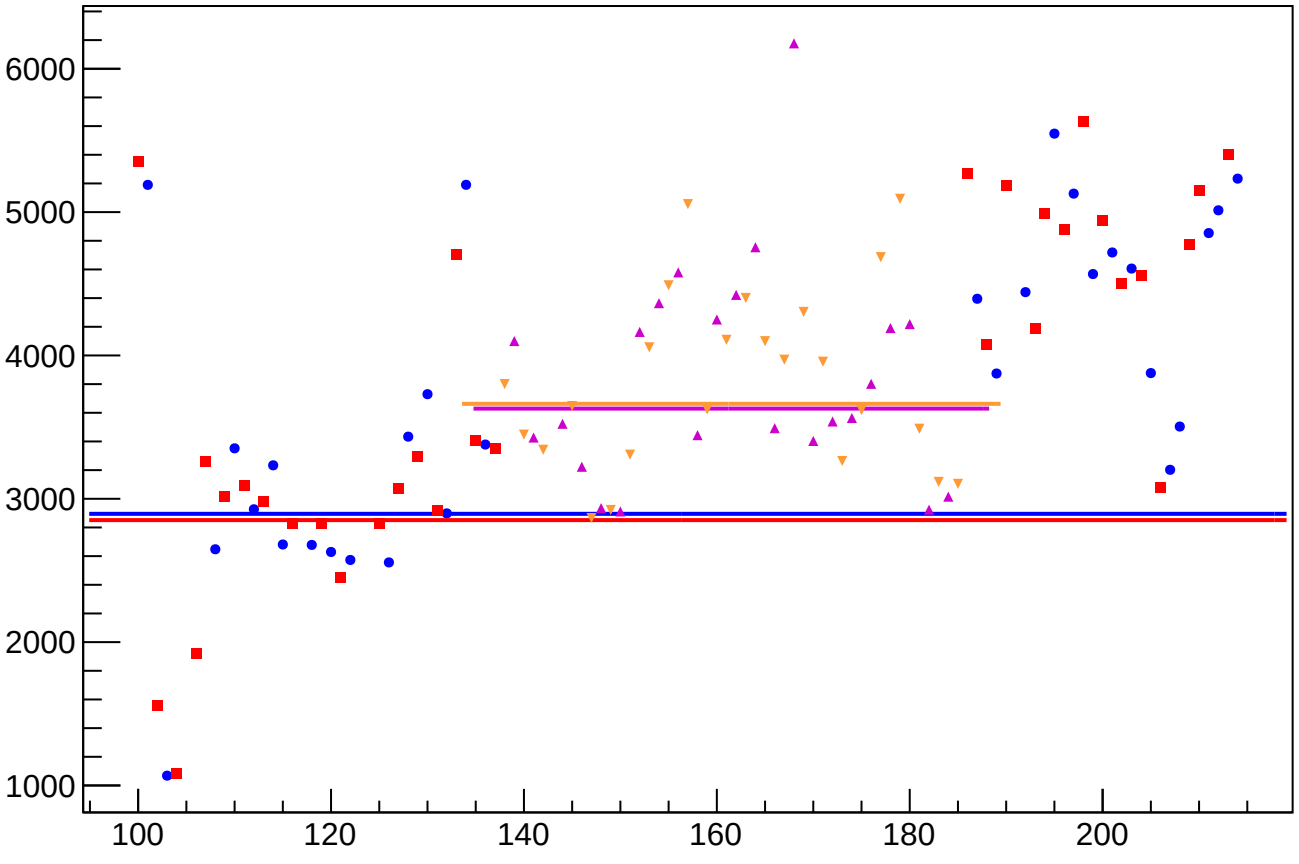
Right Out: 170.834+/-746.785 χ^2/NDF: 42.1/31

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 479.841+/-568.501 χ^2/NDF: 58.9/53

All: 374.466+/-400.587 χ^2/NDF: 113.4/108

- sign 270.550+/-564.551 χ^2/NDF: 54.4/54



Right In: 2895.127+/-0.533 χ^2/NDF: 6797674.9/29

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

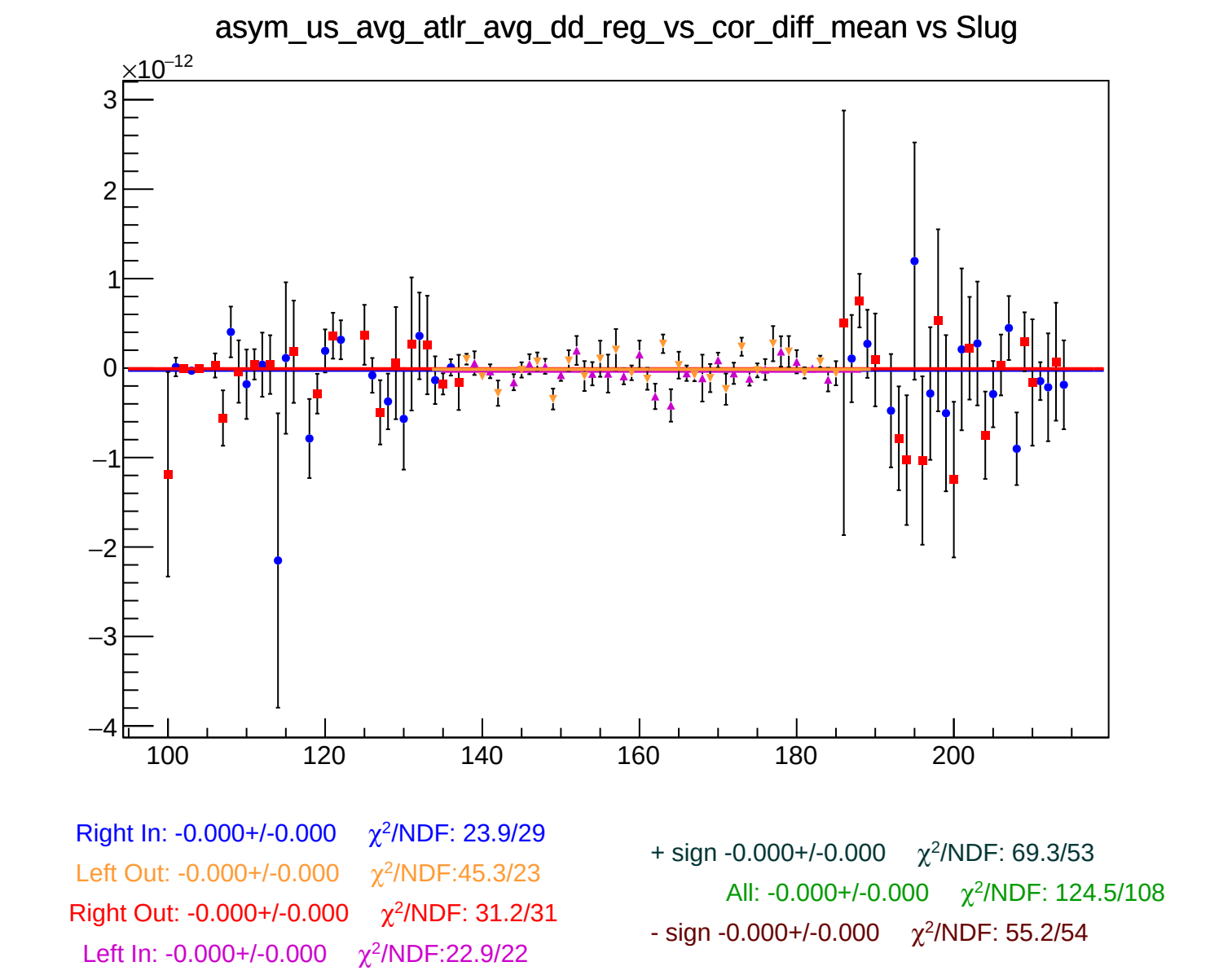
Right Out: 2851.290+/-0.527 χ^2/NDF: 6970934.7/31

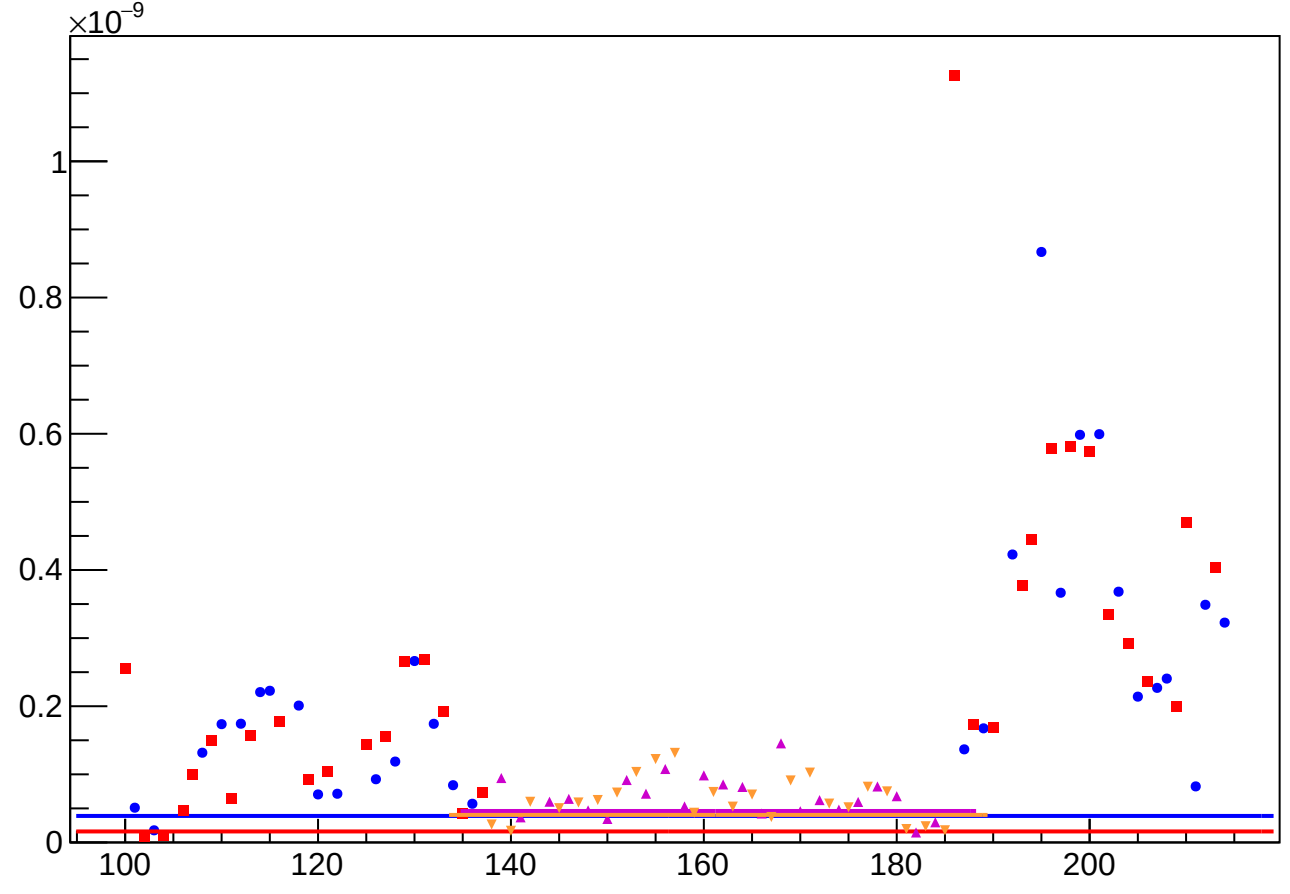
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3226.406+/-0.402 χ^2/NDF: 8585486.2/53

All: 3205.027+/-0.283 χ^2/NDF: 17548197.5/1

- sign 3183.984+/-0.399 χ^2/NDF: 8957099.1/54


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.9/29
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/31
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 69.3/53
All: -0.000+/-0.000 χ²/NDF: 124.5/108
- sign -0.000+/-0.000 χ²/NDF: 55.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 10212874.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

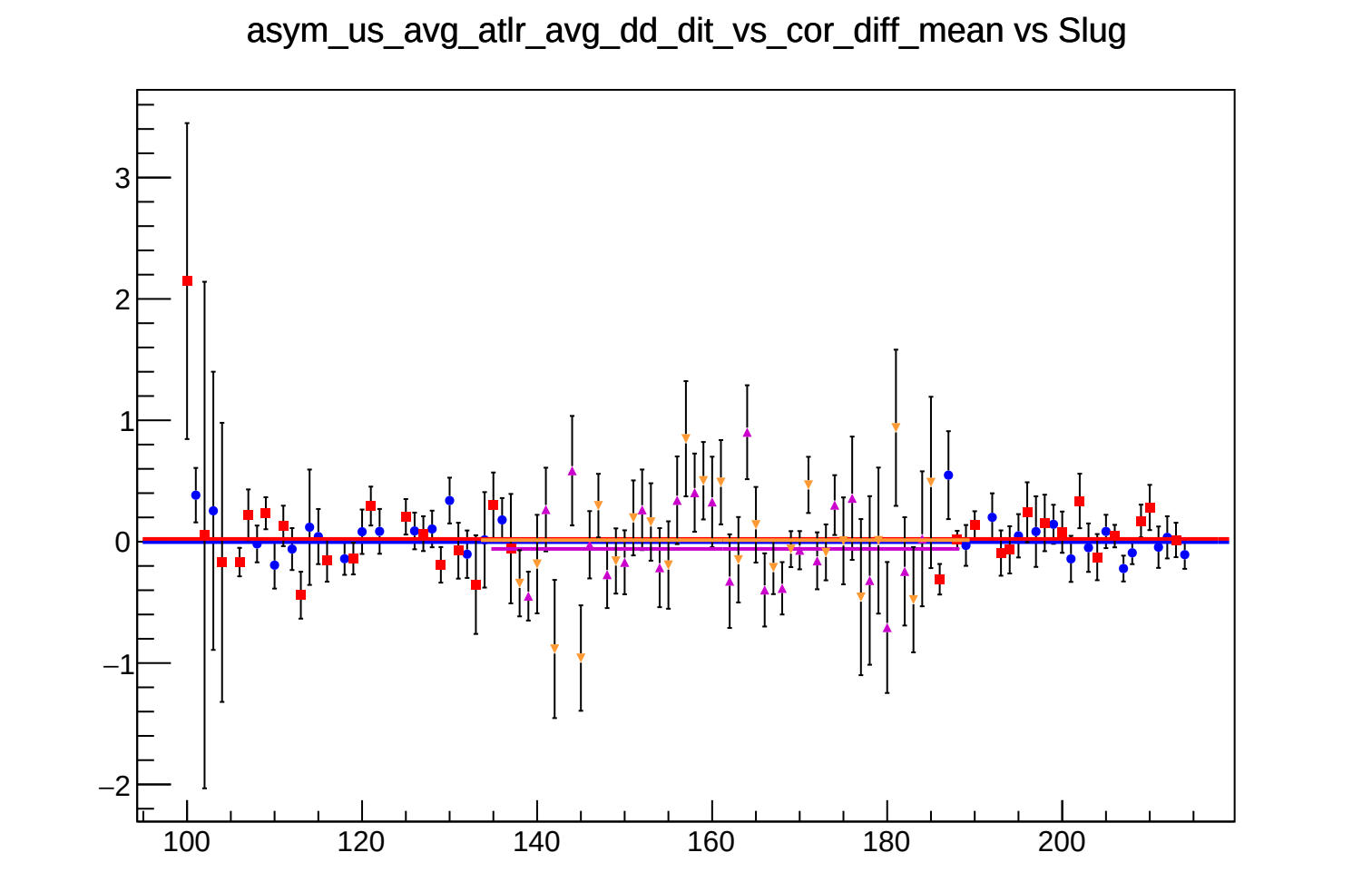
Right Out: 0.000+/-0.000 χ^2/NDF: 12757768.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 13649756.2/53

All: 0.000+/-0.000 χ^2/NDF: 33200410.5/108

- sign 0.000+/-0.000 χ^2/NDF: 18591404.7/54



Right In: -0.004+/-0.031 χ^2/NDF: 22.6/29

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

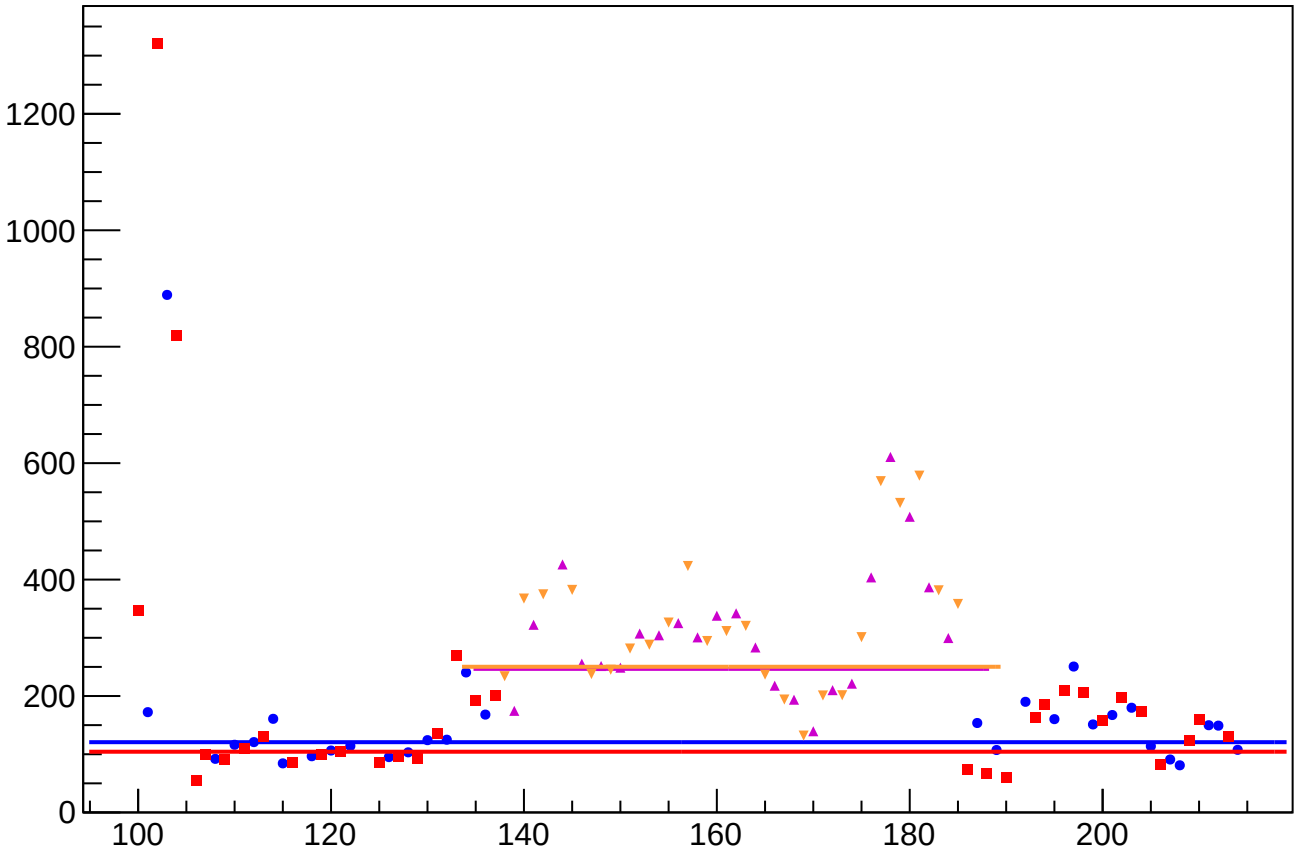
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign -0.000+/-0.028 χ^2/NDF: 52.0/53

All: 0.005+/-0.019 χ^2/NDF: 123.2/108

- sign 0.009+/-0.025 χ^2/NDF: 71.2/54



Right In: 120.710+/-0.022 χ^2/NDF: 3434515.9/29

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

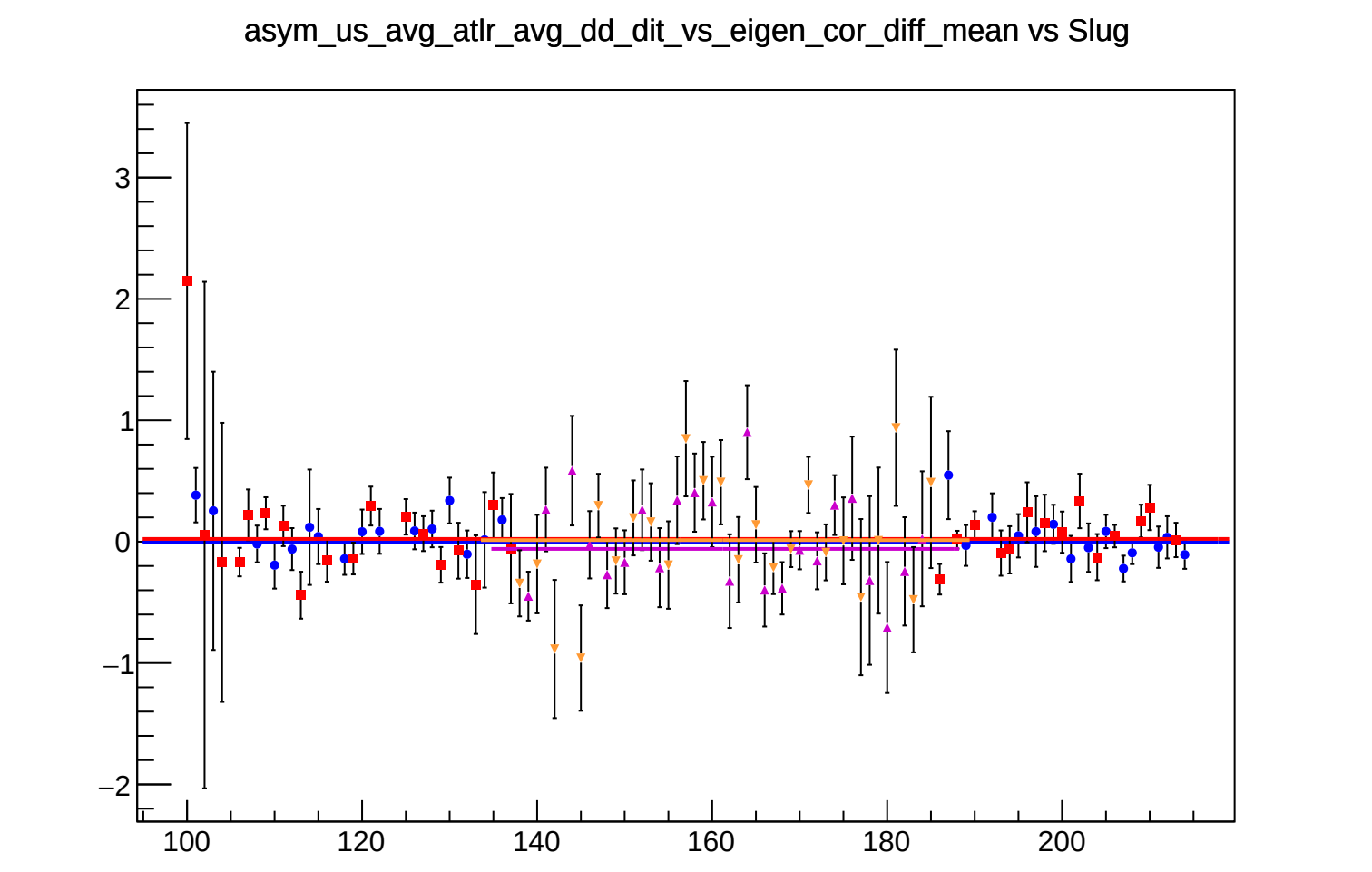
Right Out: 104.316+/-0.020 χ^2/NDF: 6123381.5/31

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 145.887+/-0.020 χ^2/NDF: 14597989.3/53

All: 136.350+/-0.013 χ^2/NDF: 33684814.9/10

- sign 128.331+/-0.018 χ^2/NDF: 18652879.5/54



Right In: -0.004+/-0.031 χ^2/NDF: 22.6/29

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

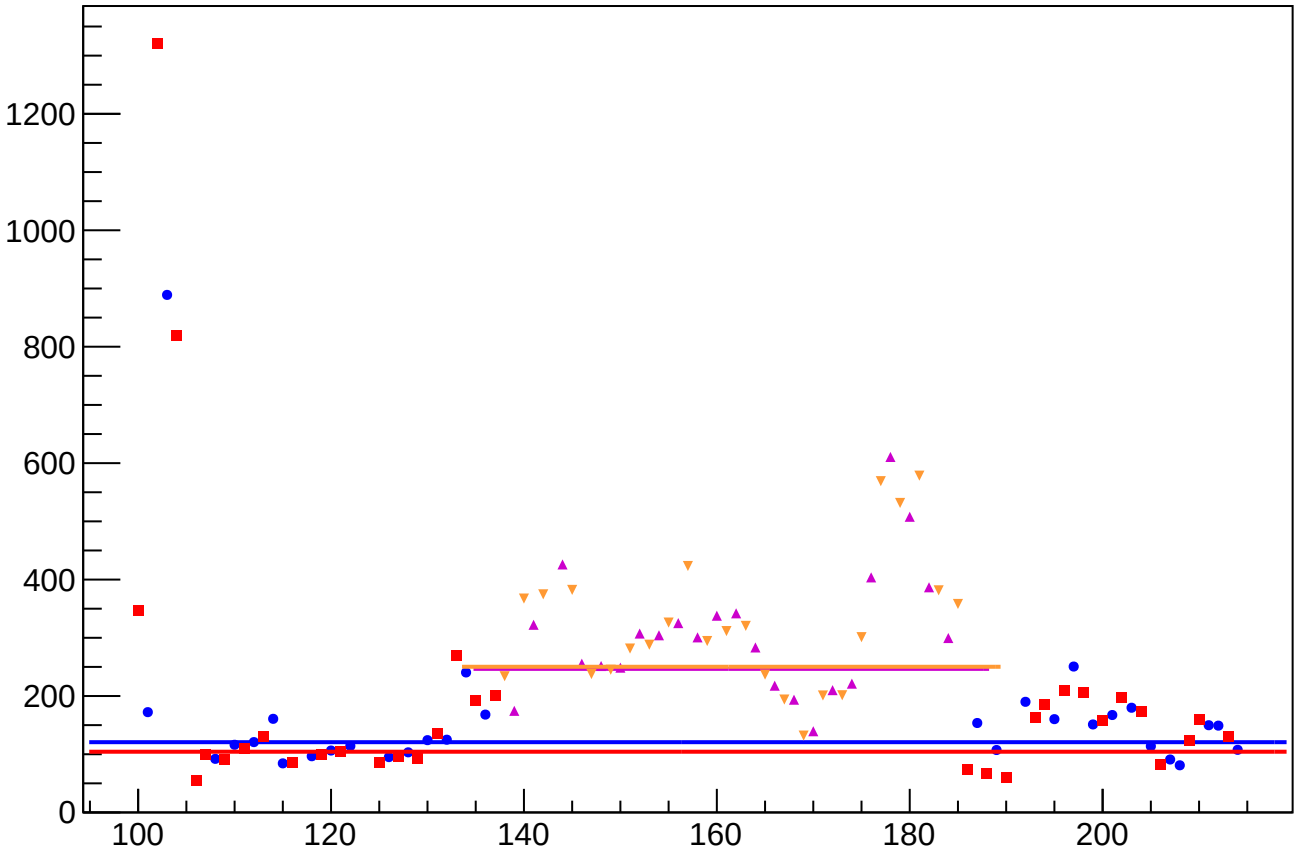
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign -0.000+/-0.028 χ^2/NDF: 52.0/53

All: 0.005+/-0.019 χ^2/NDF: 123.2/108

- sign 0.009+/-0.025 χ^2/NDF: 71.2/54



Right In: 120.710+/-0.022 χ^2/NDF: 3434515.9/29

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

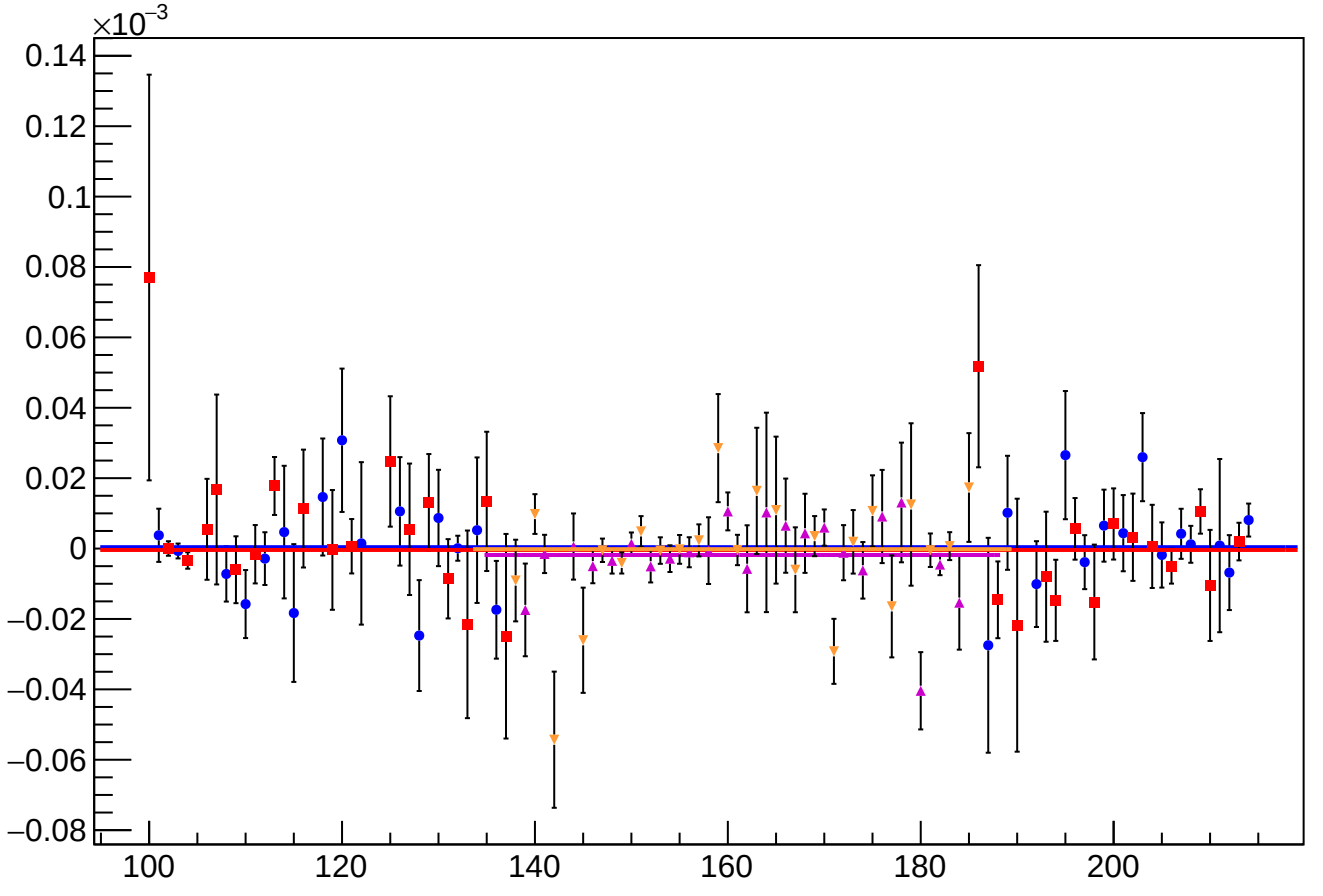
Right Out: 104.316+/-0.020 χ^2/NDF: 6123381.5/31

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 145.887+/-0.020 χ^2/NDF: 14597989.3/53

All: 136.350+/-0.013 χ^2/NDF: 33684814.9/10

- sign 128.331+/-0.018 χ^2/NDF: 18652879.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

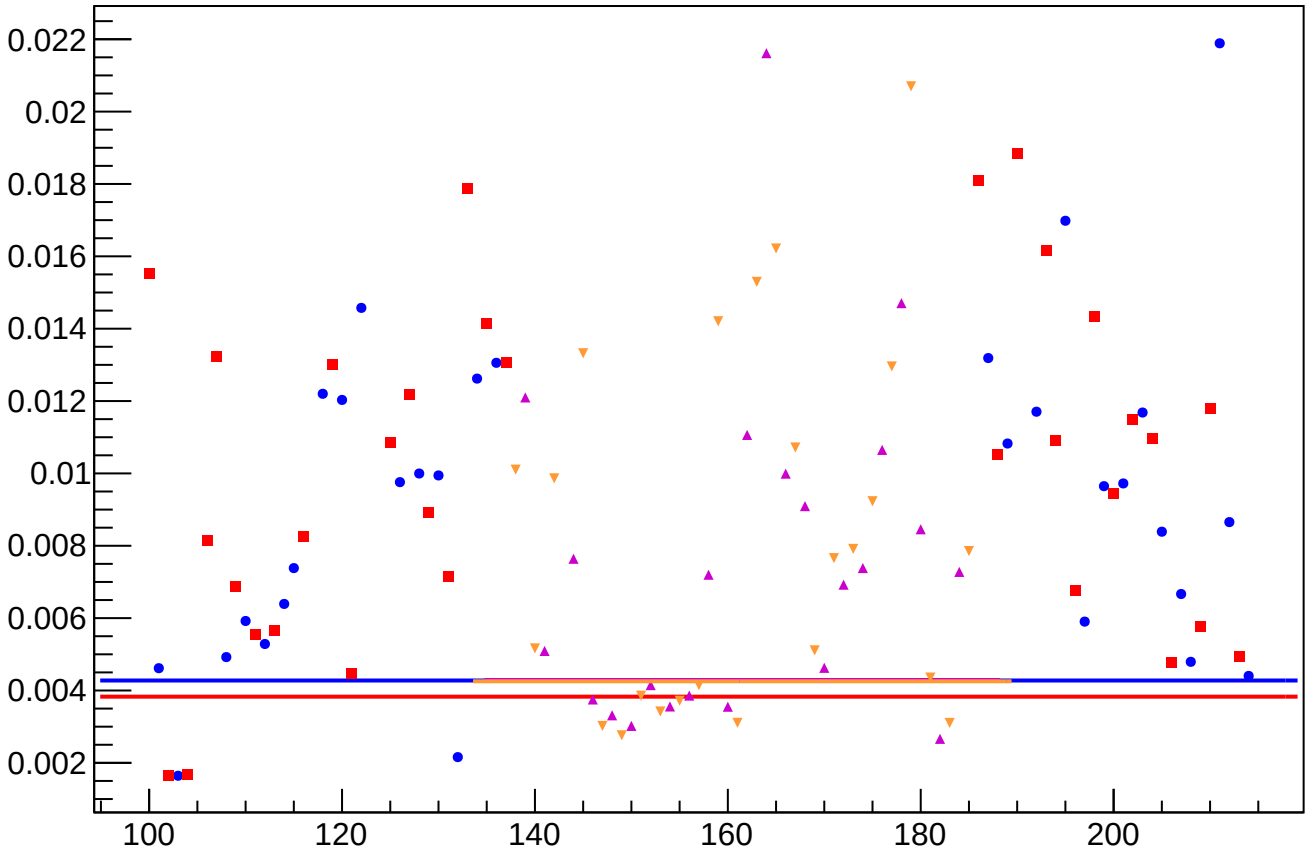
Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/31

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.1/53

All: -0.000+/-0.000 χ^2/NDF: 121.5/108

- sign -0.000+/-0.000 χ^2/NDF: 57.4/54



Right In: 0.004+/-0.000 χ^2/NDF: 13197177.9/29

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

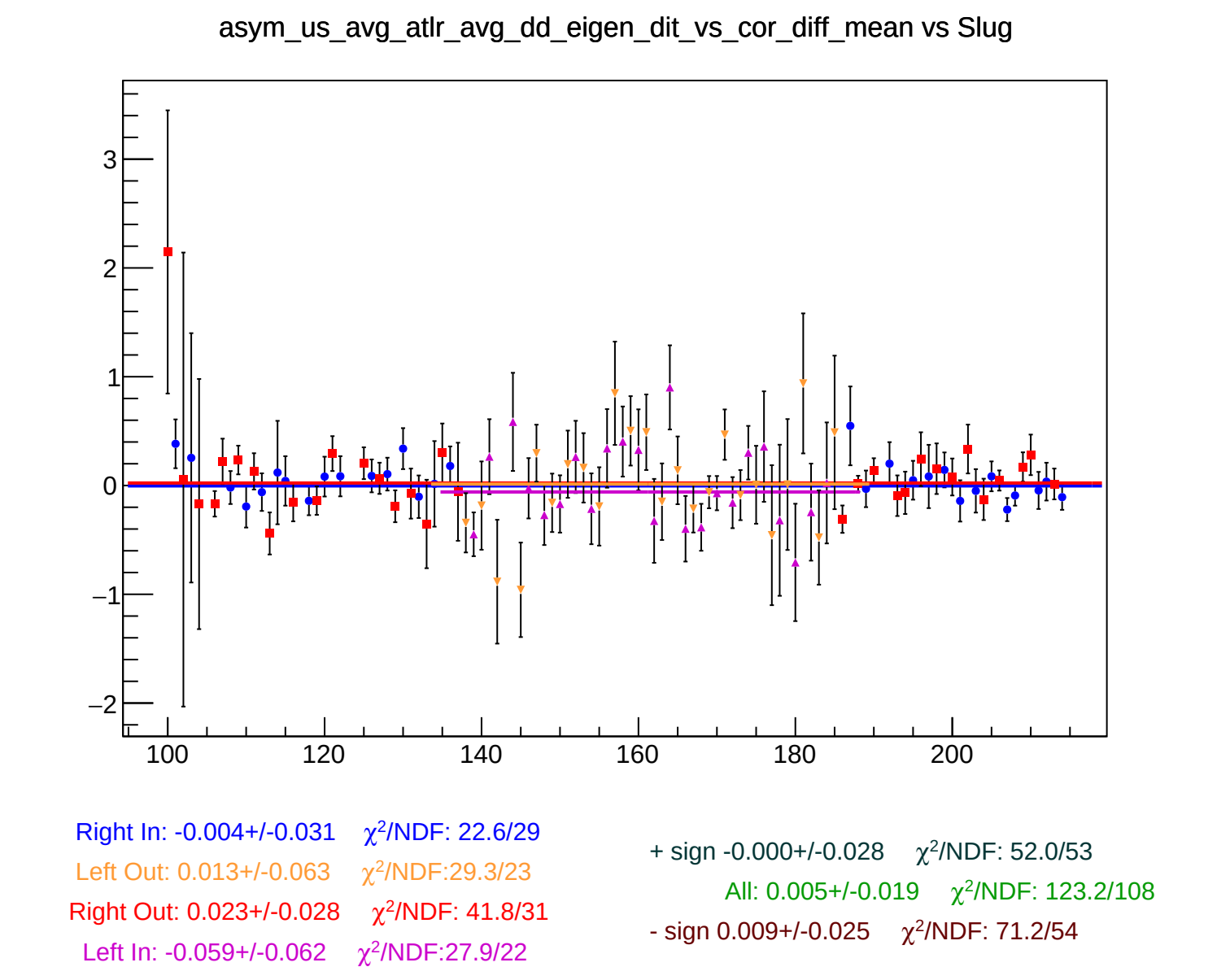
Right Out: 0.004+/-0.000 χ^2/NDF: 15232552.3/31

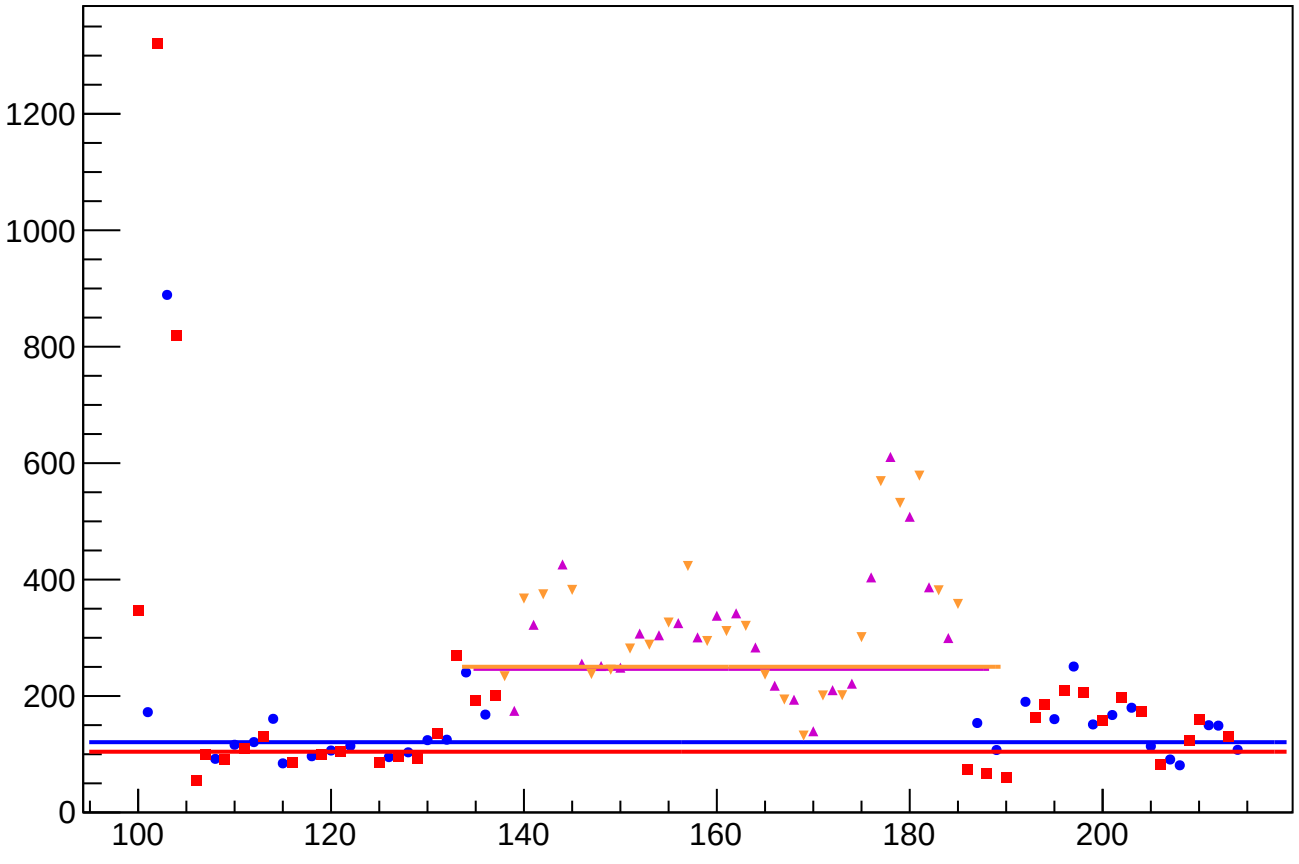
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 21690051.8/53

All: 0.004+/-0.000 χ^2/NDF: 43721707.3/108

- sign 0.004+/-0.000 χ^2/NDF: 21977925.1/54


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
Right In: -0.004+/-0.031 χ²/NDF: 22.6/29
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.023+/-0.028 χ²/NDF: 41.8/31
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign -0.000+/-0.028 χ²/NDF: 52.0/53
All: 0.005+/-0.019 χ²/NDF: 123.2/108
- sign 0.009+/-0.025 χ²/NDF: 71.2/54



Right In: 120.708+/-0.022 χ^2/NDF: 3434604.9/29

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

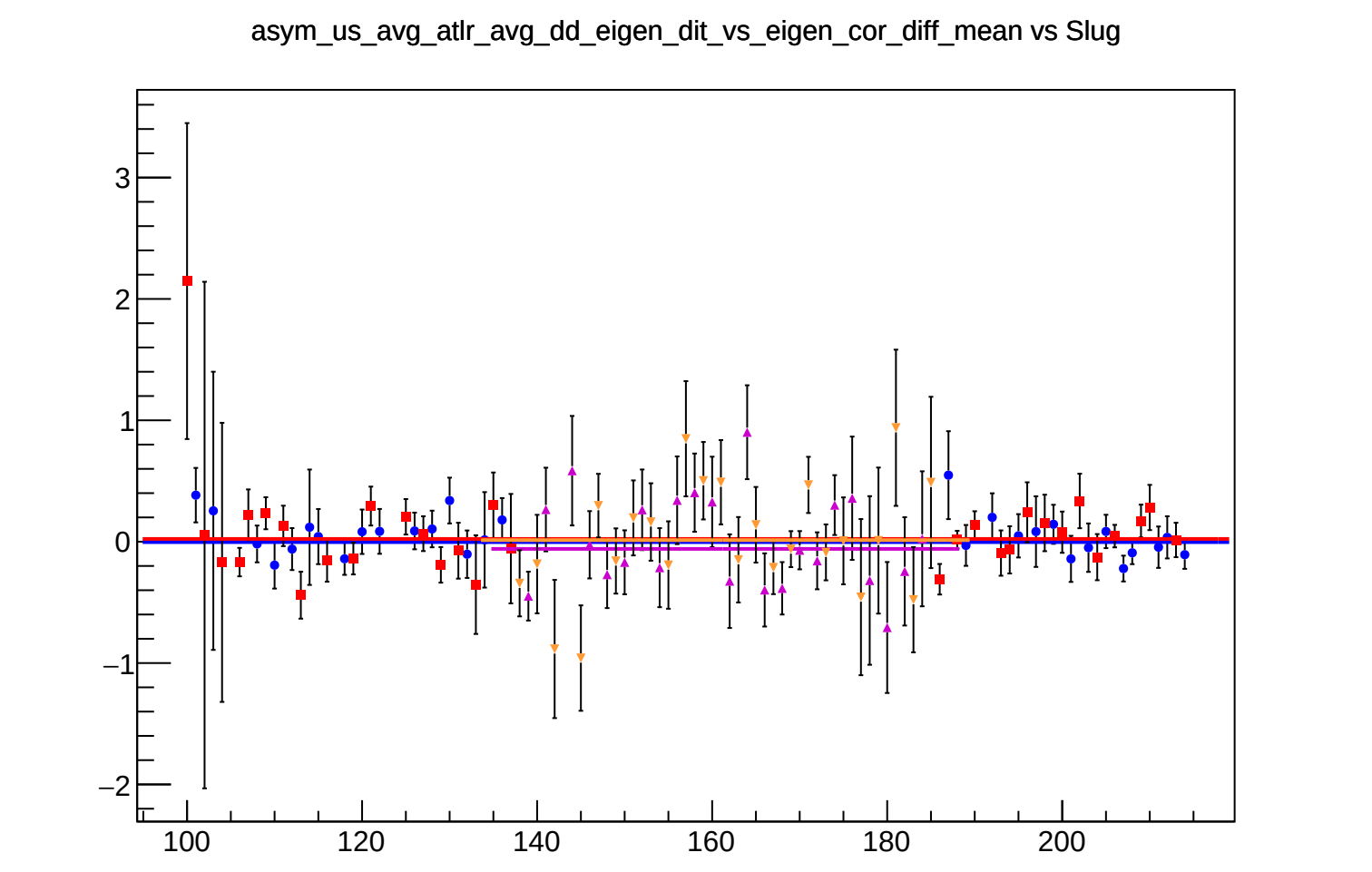
Right Out: 104.312+/-0.020 χ^2/NDF: 6123958.2/31

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 145.886+/-0.020 χ^2/NDF: 14598394.6/53

All: 136.347+/-0.013 χ^2/NDF: 33686694.7/10

- sign 128.326+/-0.018 χ^2/NDF: 18654191.3/54



Right In: -0.004+/-0.031 χ^2/NDF: 22.6/29

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

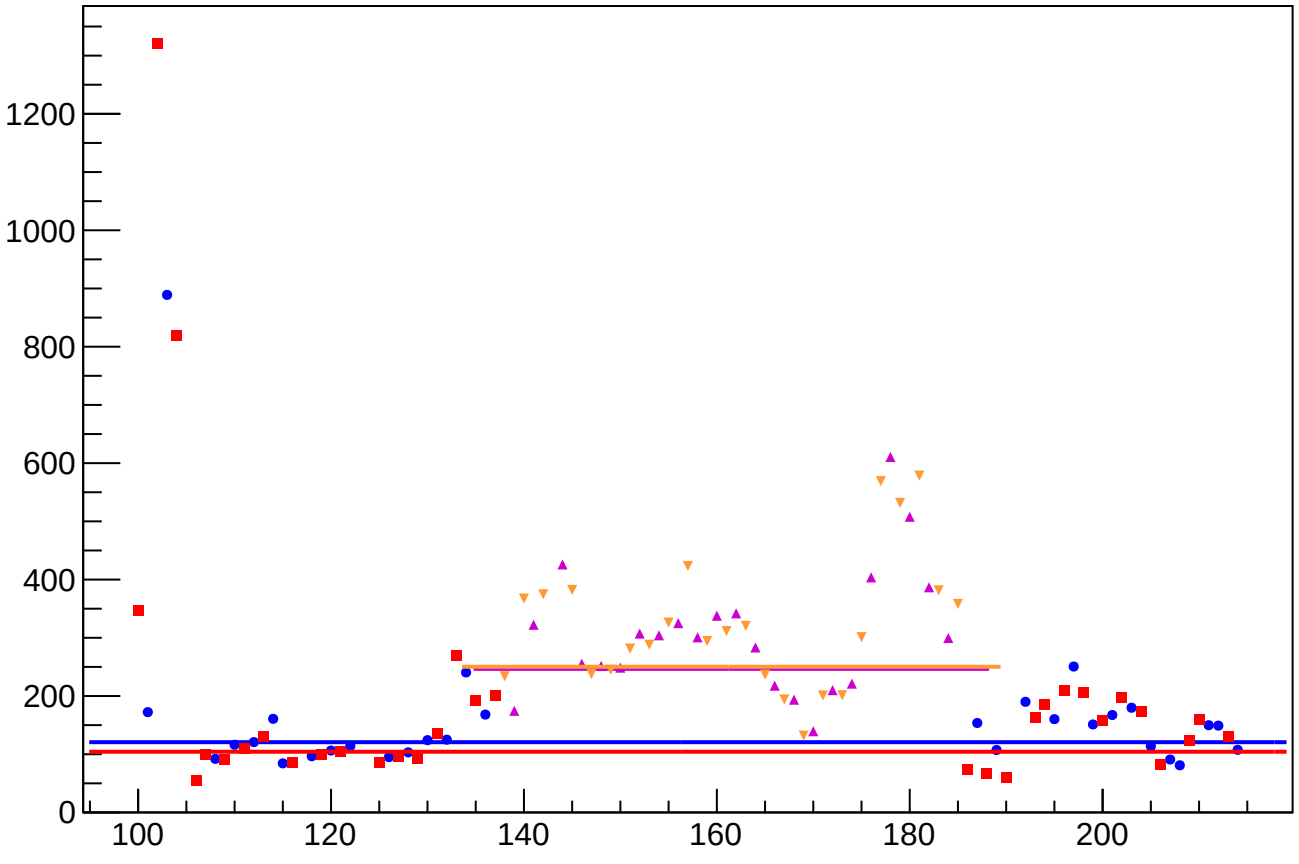
Right Out: 0.023+/-0.028 χ^2/NDF: 41.8/31

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign -0.000+/-0.028 χ^2/NDF: 52.0/53

All: 0.005+/-0.019 χ^2/NDF: 123.2/108

- sign 0.009+/-0.025 χ^2/NDF: 71.2/54



Right In: 120.708+/-0.022 χ^2/NDF: 3434604.9/29

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

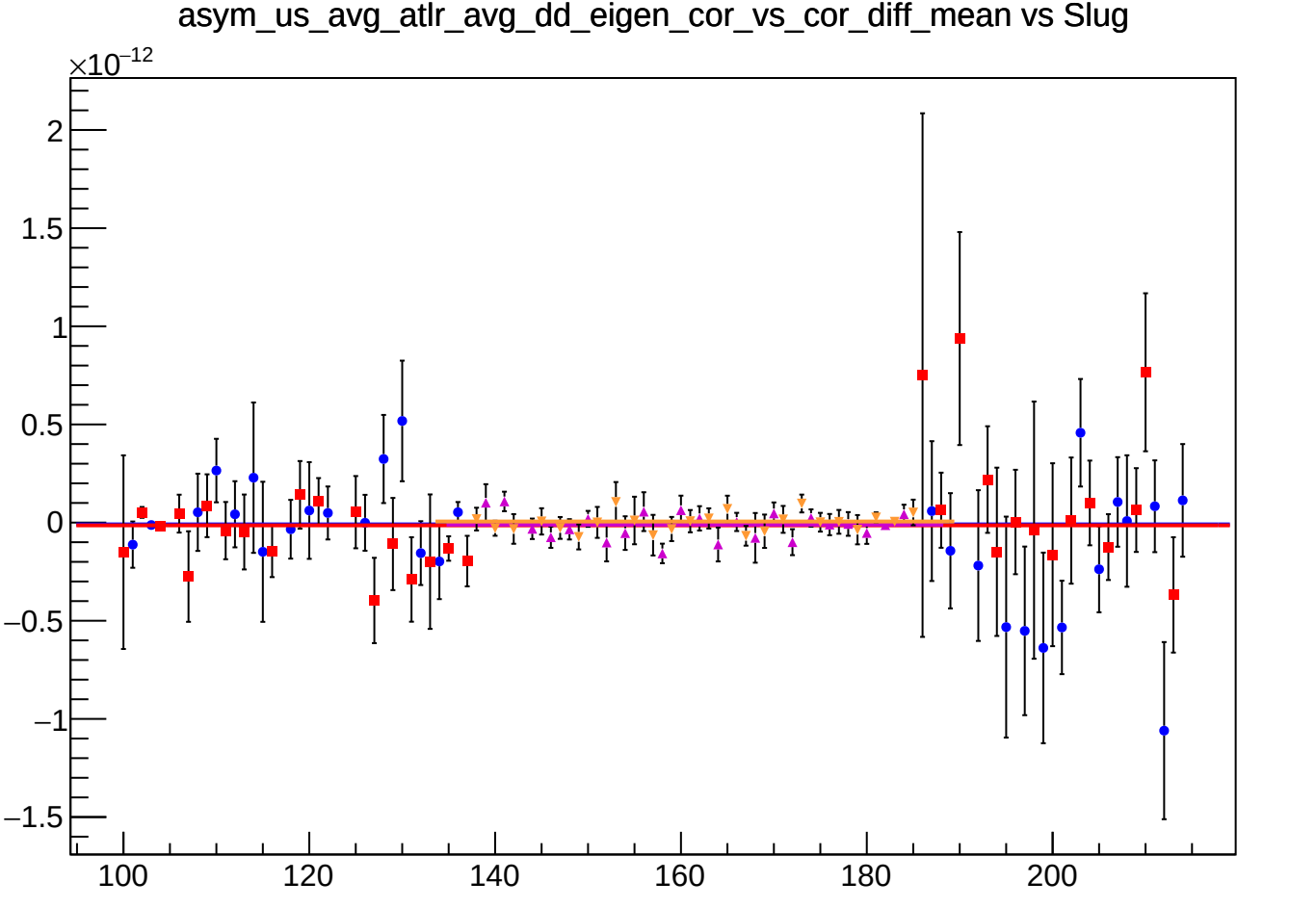
Right Out: 104.312+/-0.020 χ^2/NDF: 6123958.2/31

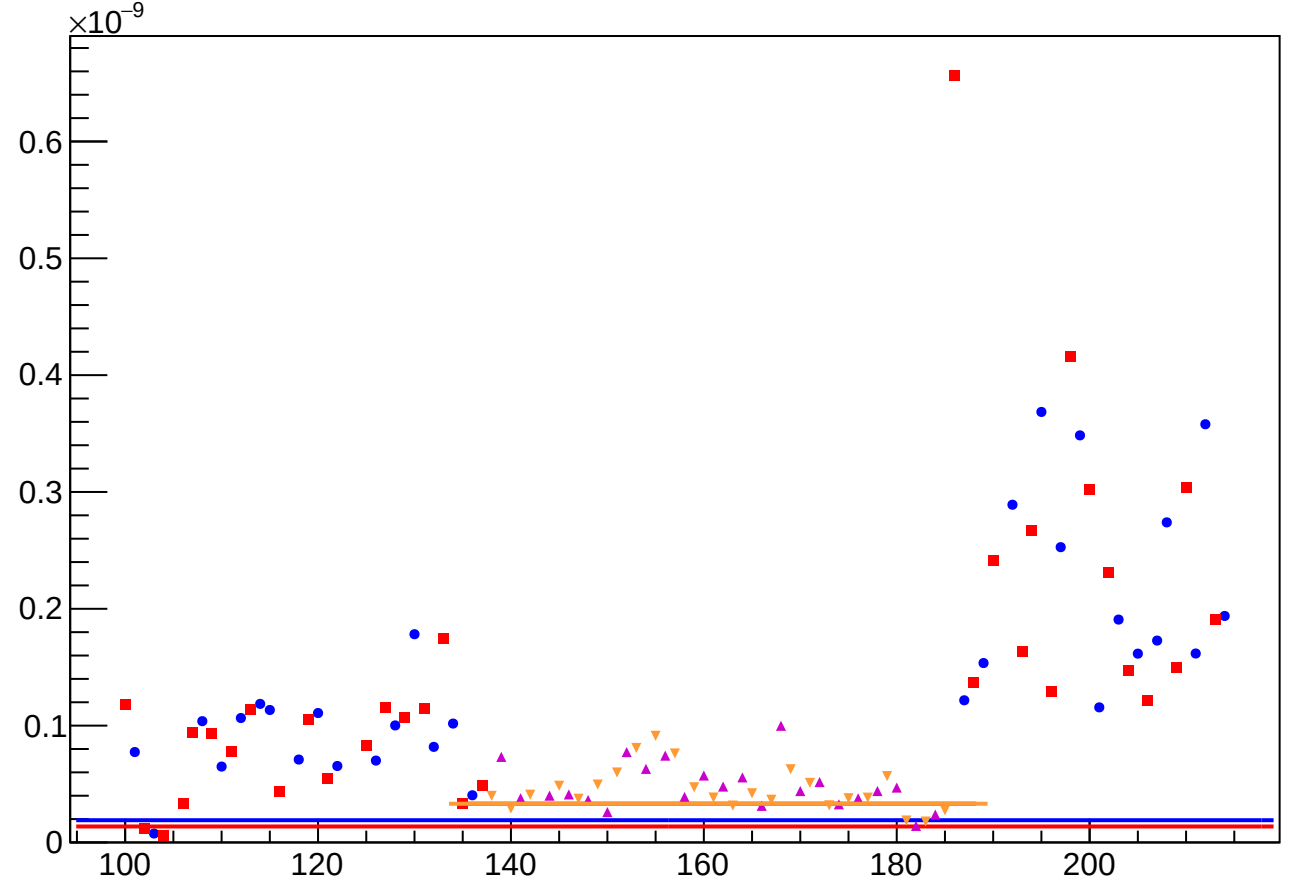
Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 145.886+/-0.020 χ^2/NDF: 14598394.6/53

All: 136.347+/-0.013 χ^2/NDF: 33686694.7/10

- sign 128.326+/-0.018 χ^2/NDF: 18654191.3/54


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
Right In: -0.000+/-0.000 χ²/NDF: 32.6/29
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.5/31
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 47.3/53
All: -0.000+/-0.000 χ²/NDF: 108.9/108
- sign -0.000+/-0.000 χ²/NDF: 60.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 16619203.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15950034.9/31

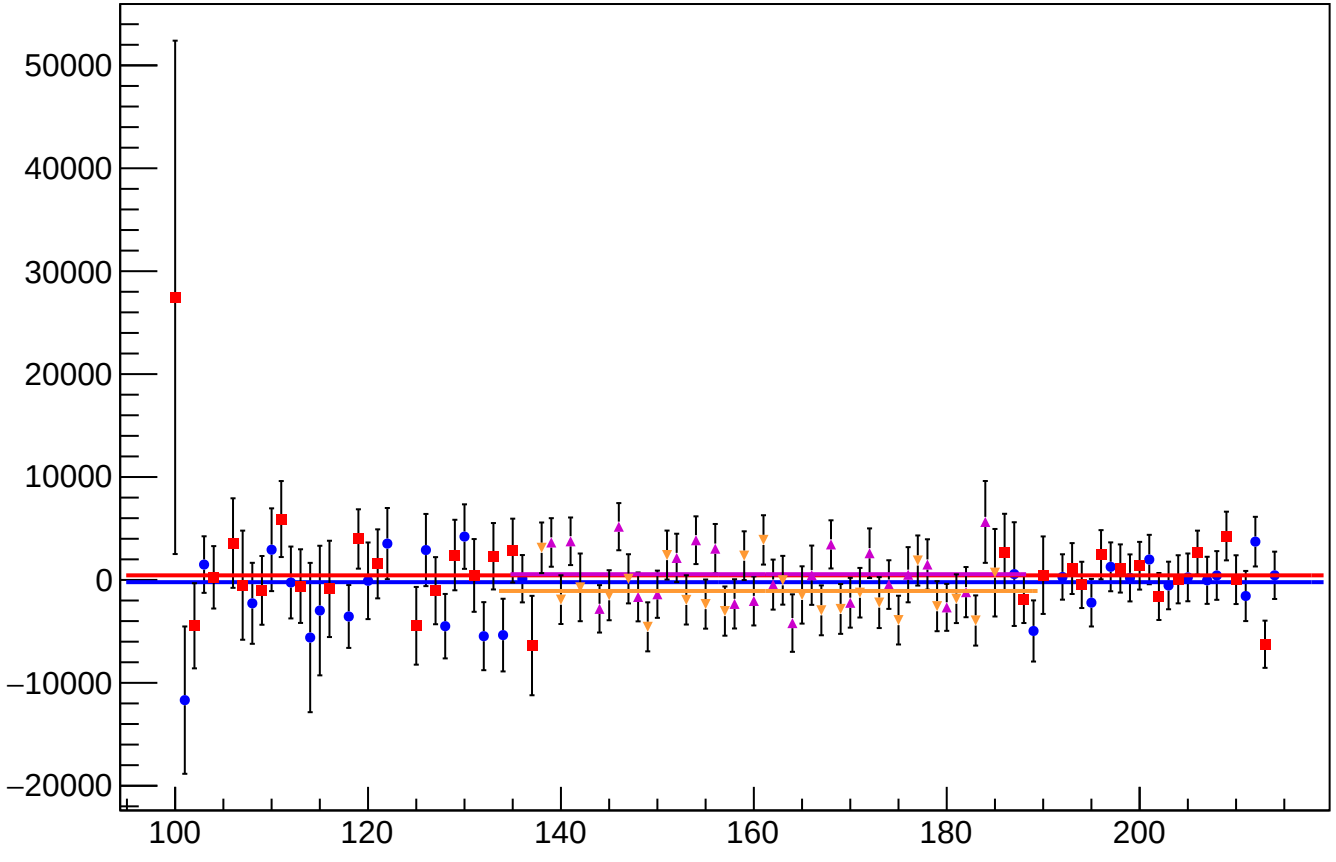
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 22170031.1/53

All: 0.000+/-0.000 χ^2/NDF: 47194135.4/108

- sign 0.000+/-0.000 χ^2/NDF: 24681168.1/54

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -217.633+/-521.781 χ^2/NDF: 24.1/29

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 445.956+/-520.095 χ^2/NDF: 28.0/31

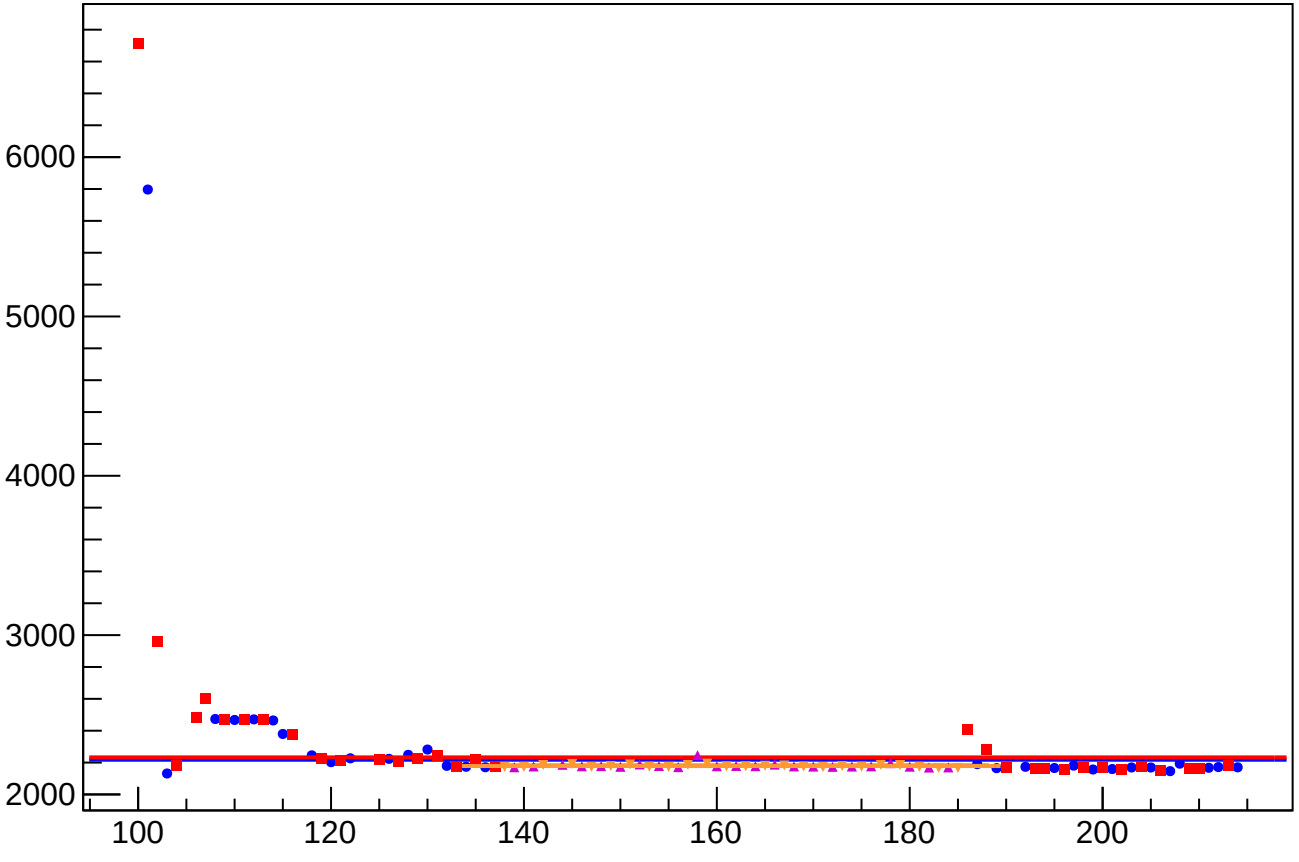
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -658.769+/-363.075 χ^2/NDF: 47.0/53

All: -79.288+/-257.007 χ^2/NDF: 108.9/108

- sign 502.679+/-363.853 χ^2/NDF: 56.8/54

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2217.979+/-0.369 χ^2/NDF: 546888.7/29

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

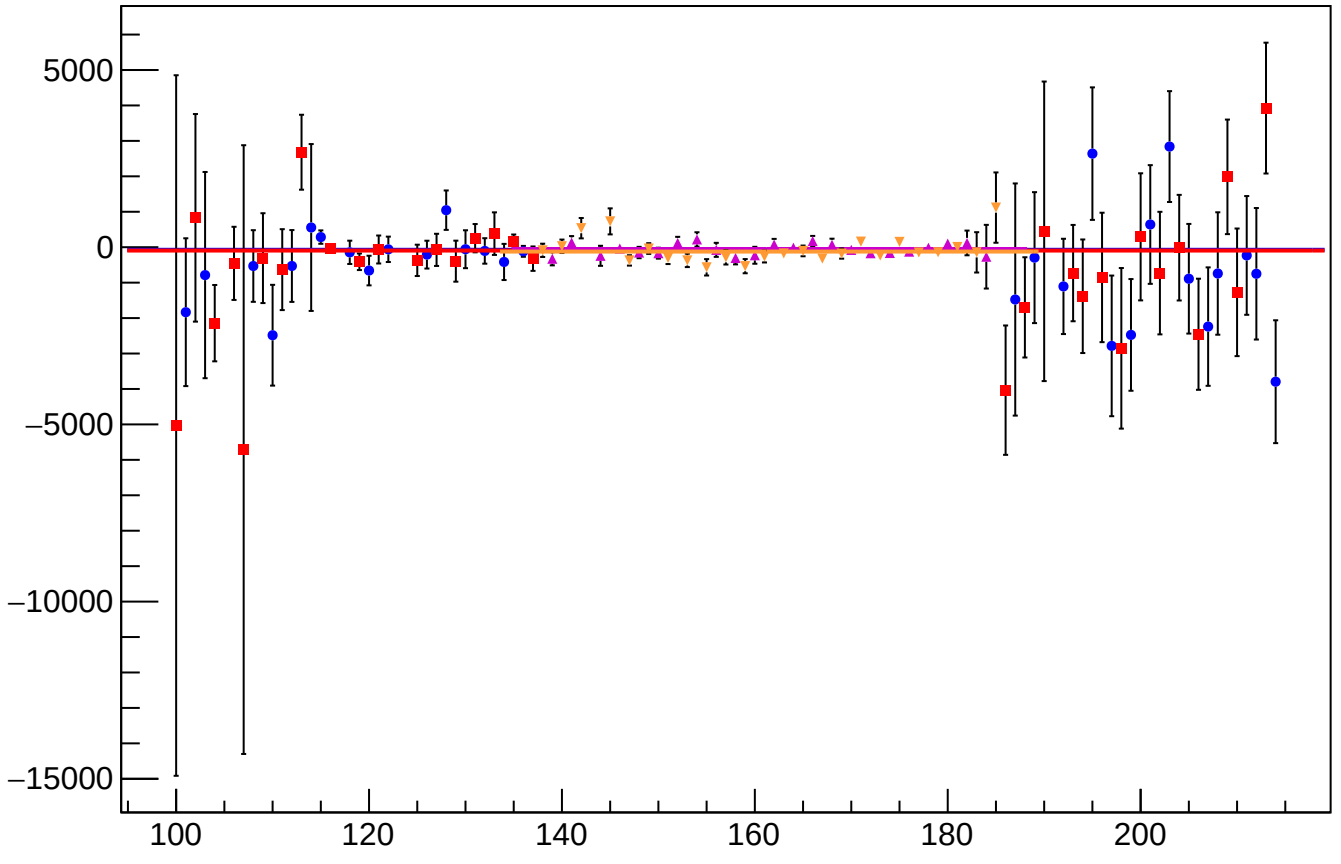
Right Out: 2232.487+/-0.368 χ^2/NDF: 198022.7/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2197.484+/-0.257 χ^2/NDF: 553260.5/53

All: 2201.811+/-0.182 χ^2/NDF: 763758.0/108

- sign 2206.158+/-0.257 χ^2/NDF: 209928.0/54



Right In: -73.014+/-89.185 χ^2/NDF: 32.0/29

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -94.361+/-81.082 χ^2/NDF: 35.5/31

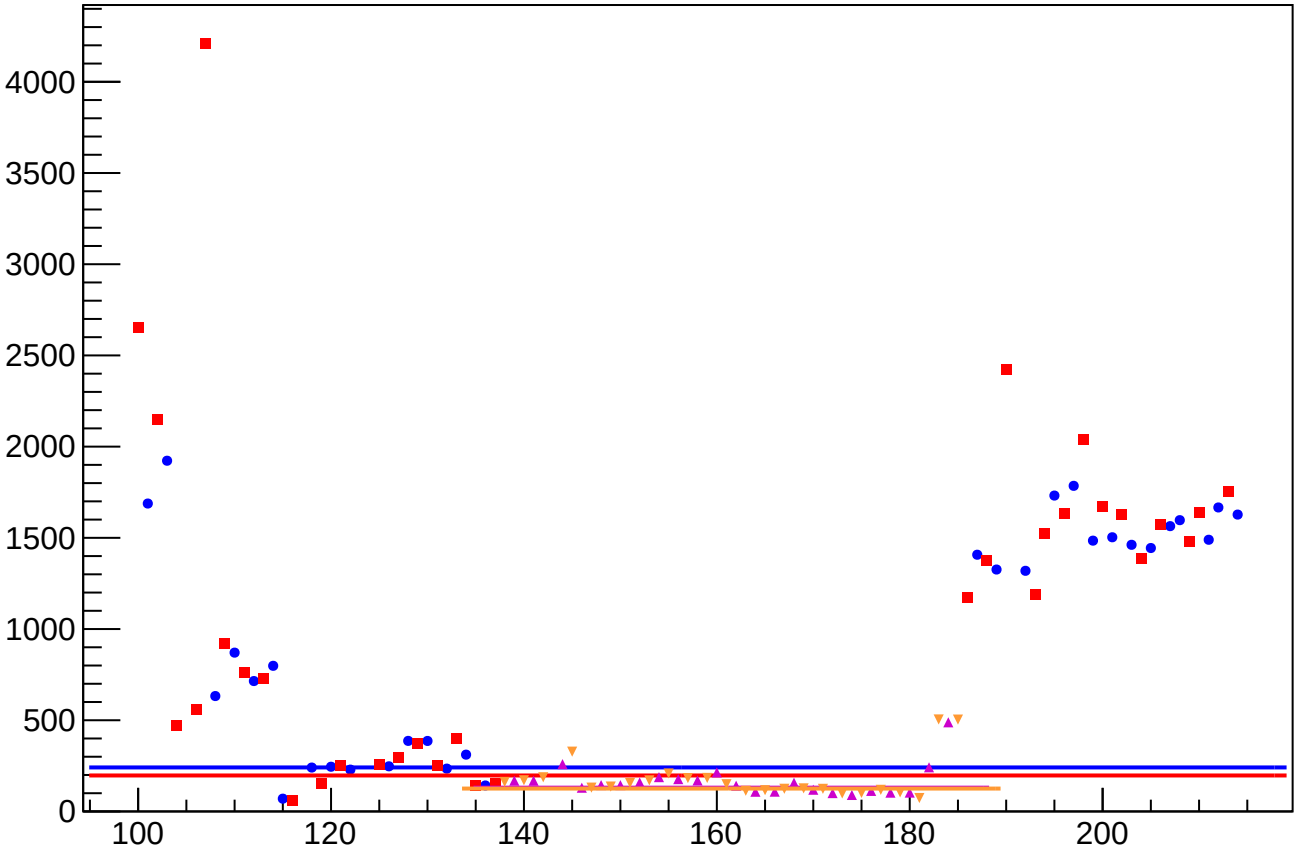
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -117.491+/-29.625 χ^2/NDF: 76.1/53

All: -87.550+/-21.149 χ^2/NDF: 132.2/108

- sign -56.428+/-30.203 χ^2/NDF: 54.0/54

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 241.316+/-0.063 χ^2/NDF: 21239759.2/29

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 197.259+/-0.057 χ^2/NDF: 23694751.9/31

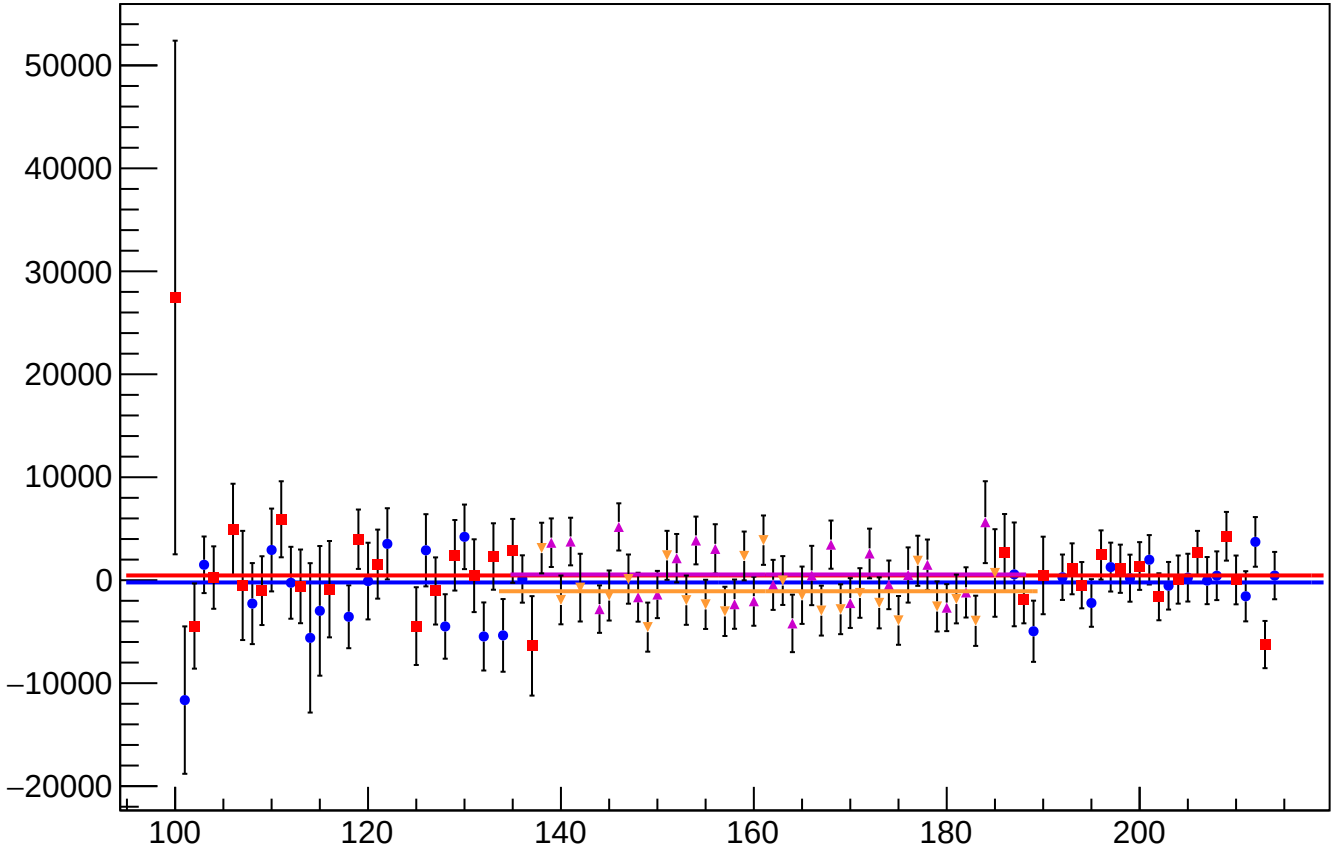
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 138.285+/-0.021 χ^2/NDF: 28182789.5/53

All: 138.983+/-0.015 χ^2/NDF: 55729422.7/10

- sign 139.708+/-0.021 χ^2/NDF: 27544368.3/54

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -217.214+/-521.781 χ^2/NDF: 24.1/29

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 462.631+/-520.249 χ^2/NDF: 28.5/31

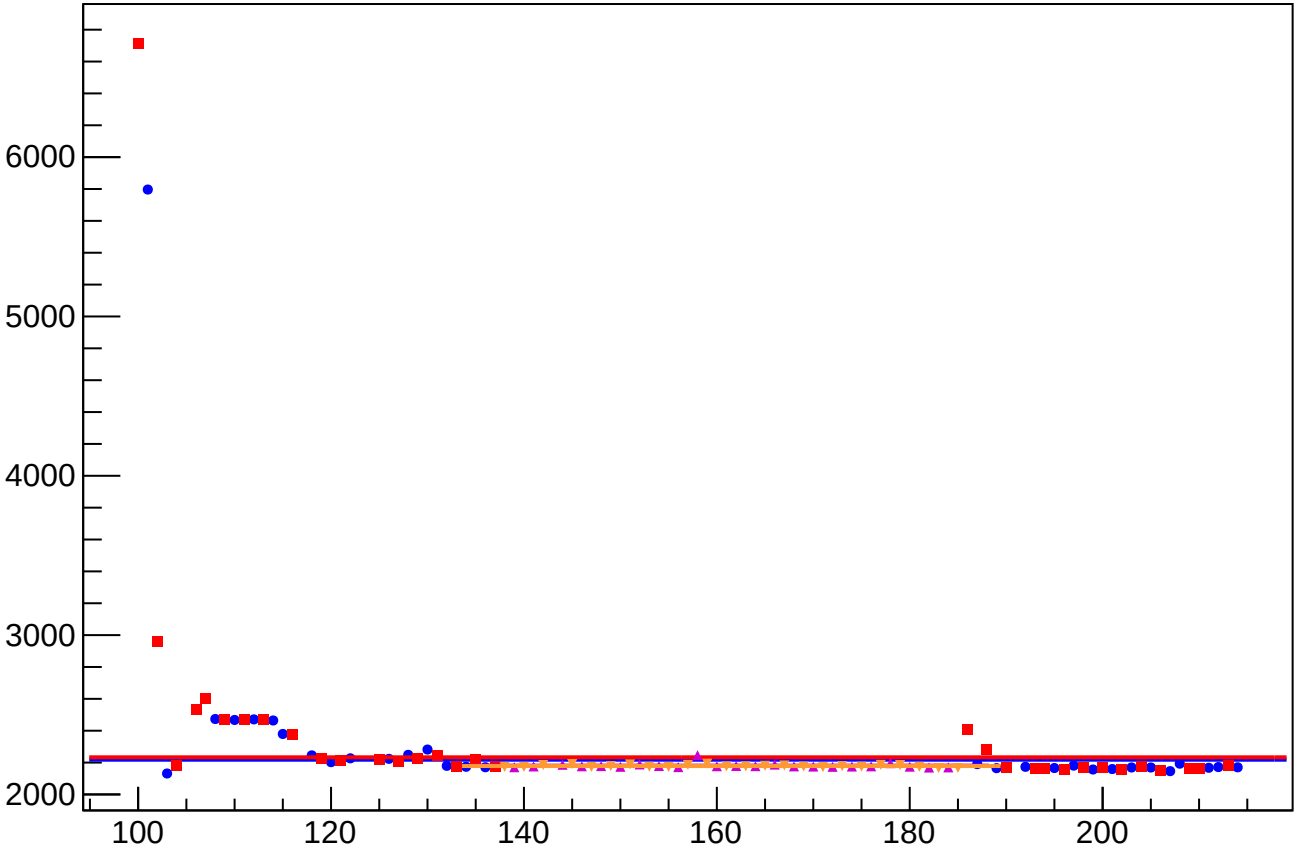
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -658.532+/-363.075 χ^2/NDF: 47.0/53

All: -75.168+/-257.026 χ^2/NDF: 109.4/108

- sign 510.868+/-363.905 χ^2/NDF: 57.2/54

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2217.979+/-0.369 χ^2/NDF: 546889.0/29

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

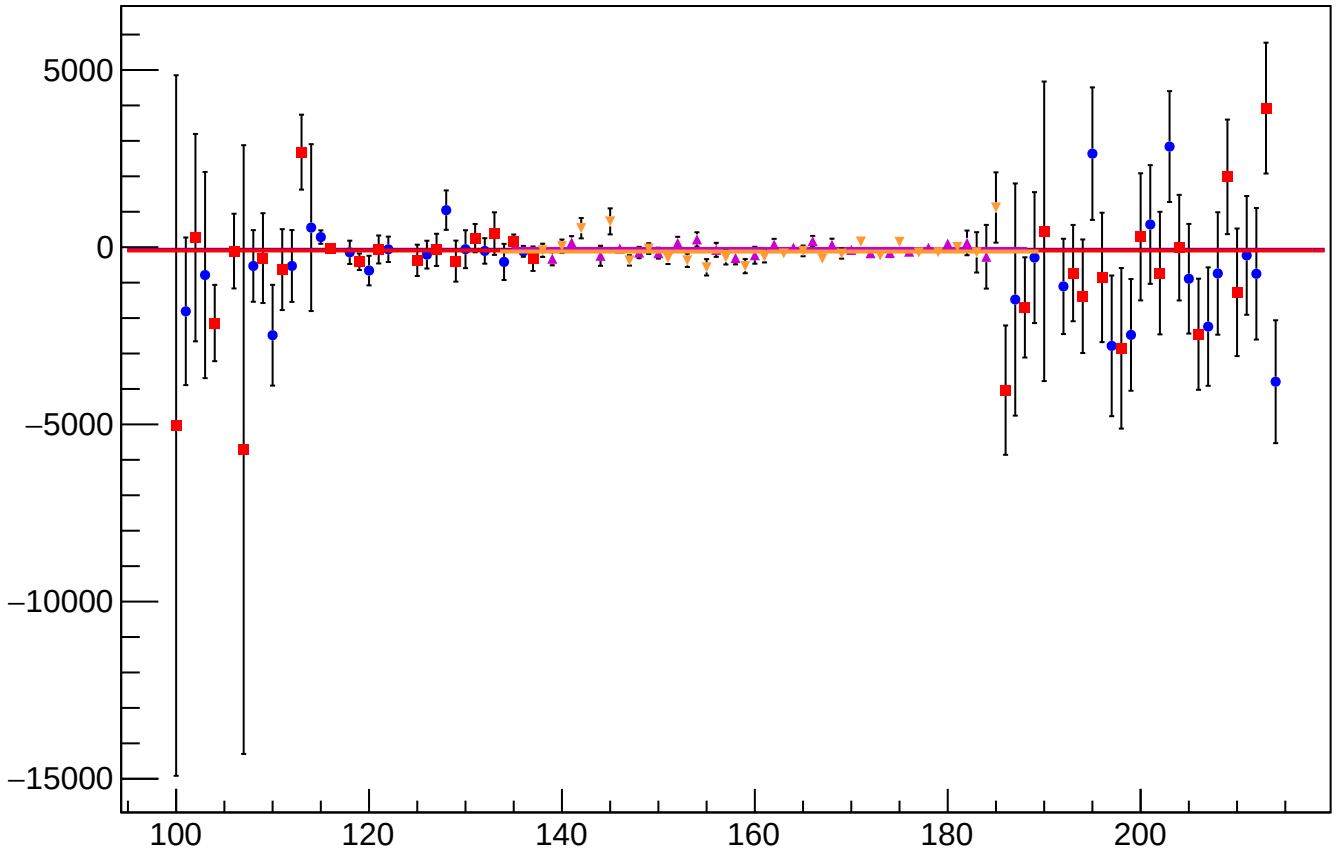
Right Out: 2233.033+/-0.368 χ^2/NDF: 200585.6/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2197.484+/-0.257 χ^2/NDF: 553260.8/53

All: 2201.940+/-0.182 χ^2/NDF: 766566.2/108

- sign 2206.417+/-0.257 χ^2/NDF: 212701.4/54



Right In: -73.051+/-89.190 χ^2/NDF: 32.0/29

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

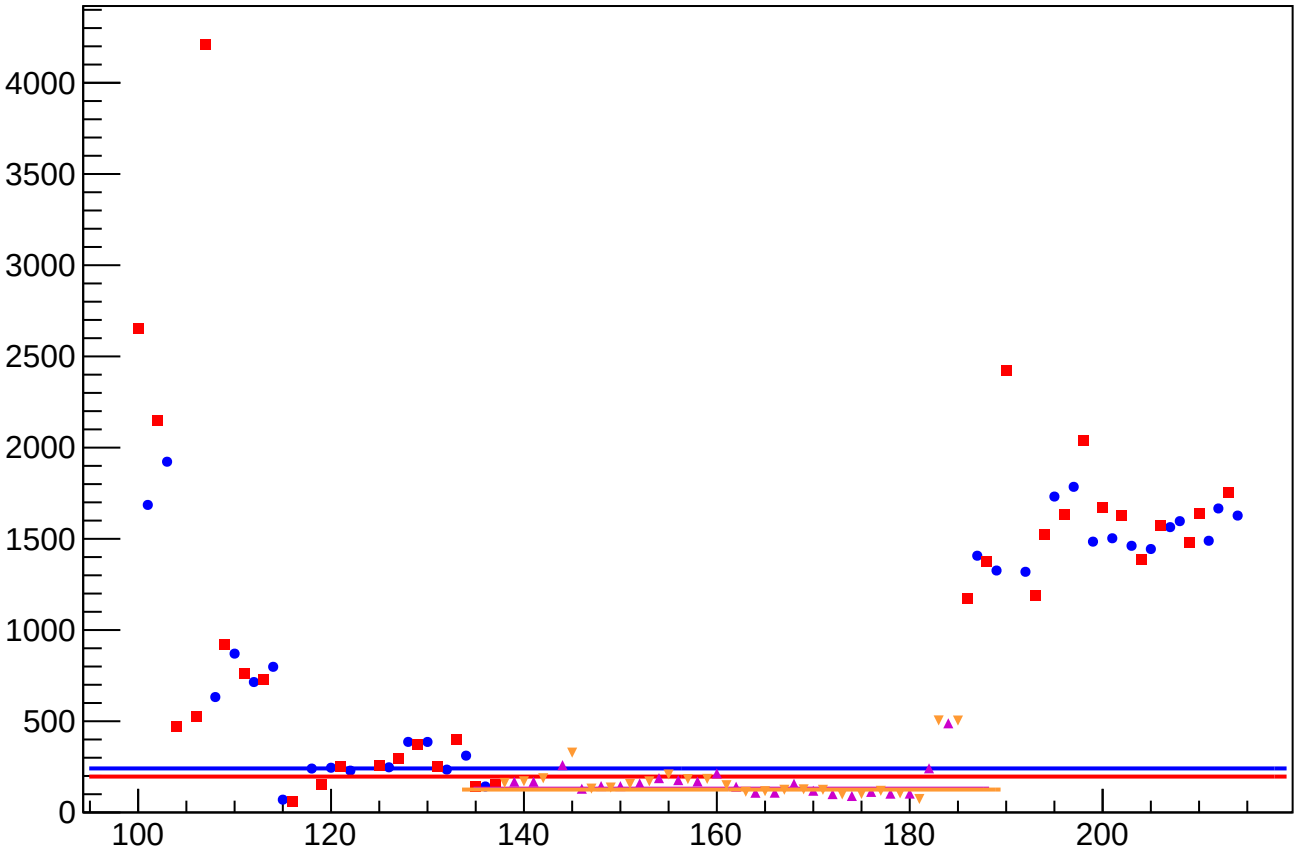
Right Out: -92.396+/-81.023 χ^2/NDF: 35.2/31

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -117.425+/-29.625 χ^2/NDF: 76.1/53

All: -87.340+/-21.149 χ^2/NDF: 131.9/108

- sign -56.071+/-30.202 χ^2/NDF: 53.7/54



Right In: 241.345+/-0.063 χ^2/NDF: 21237996.8/29

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 196.659+/-0.057 χ^2/NDF: 23663833.2/31

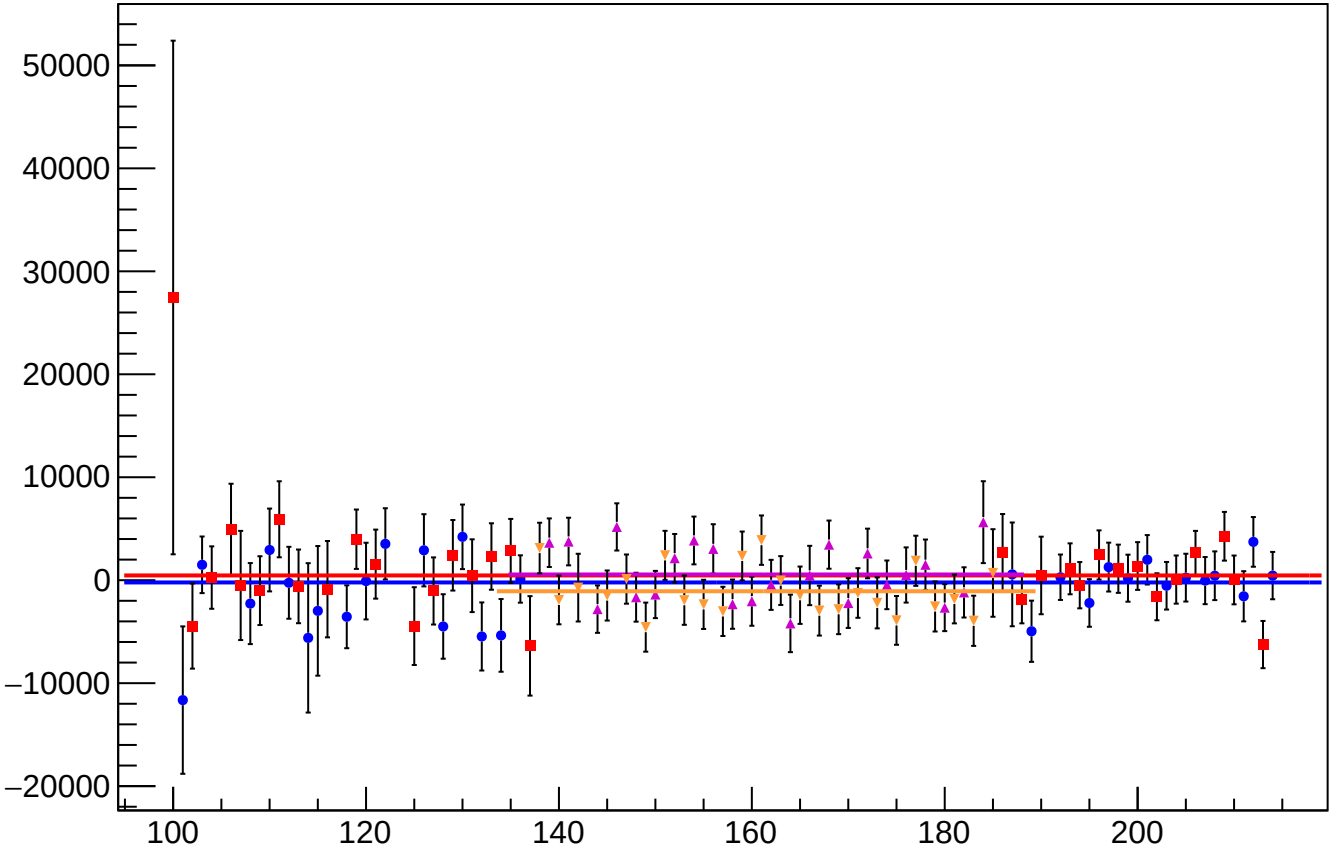
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 138.283+/-0.021 χ^2/NDF: 28183247.4/53

All: 138.954+/-0.015 χ^2/NDF: 55678446.8/10

- sign 139.651+/-0.021 χ^2/NDF: 27493109.1/54

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -217.214+/-521.781 χ^2/NDF: 24.1/29

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 462.631+/-520.249 χ^2/NDF: 28.5/31

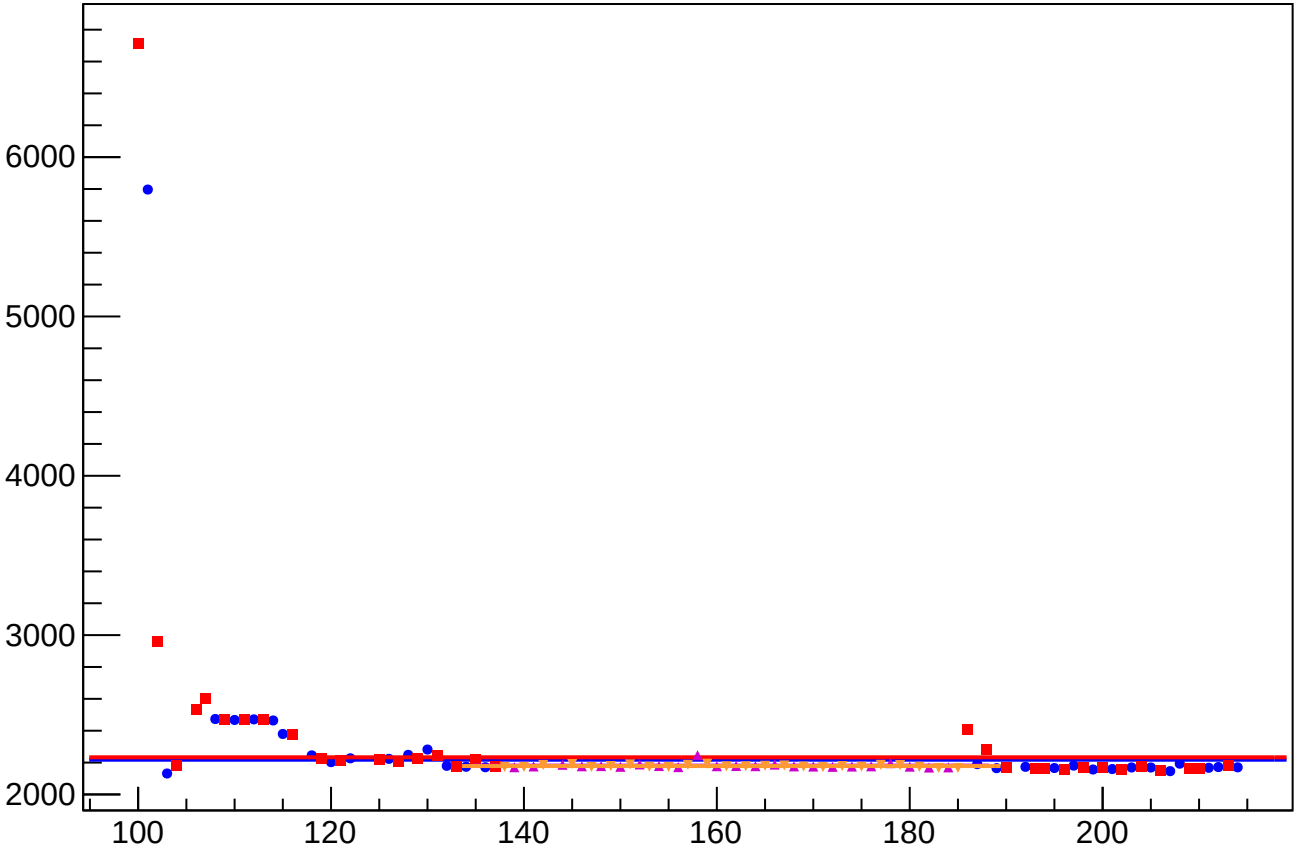
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -658.532+/-363.075 χ^2/NDF: 47.0/53

All: -75.168+/-257.026 χ^2/NDF: 109.4/108

- sign 510.868+/-363.905 χ^2/NDF: 57.2/54

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2217.979+/-0.369 χ^2/NDF: 546889.0/29

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

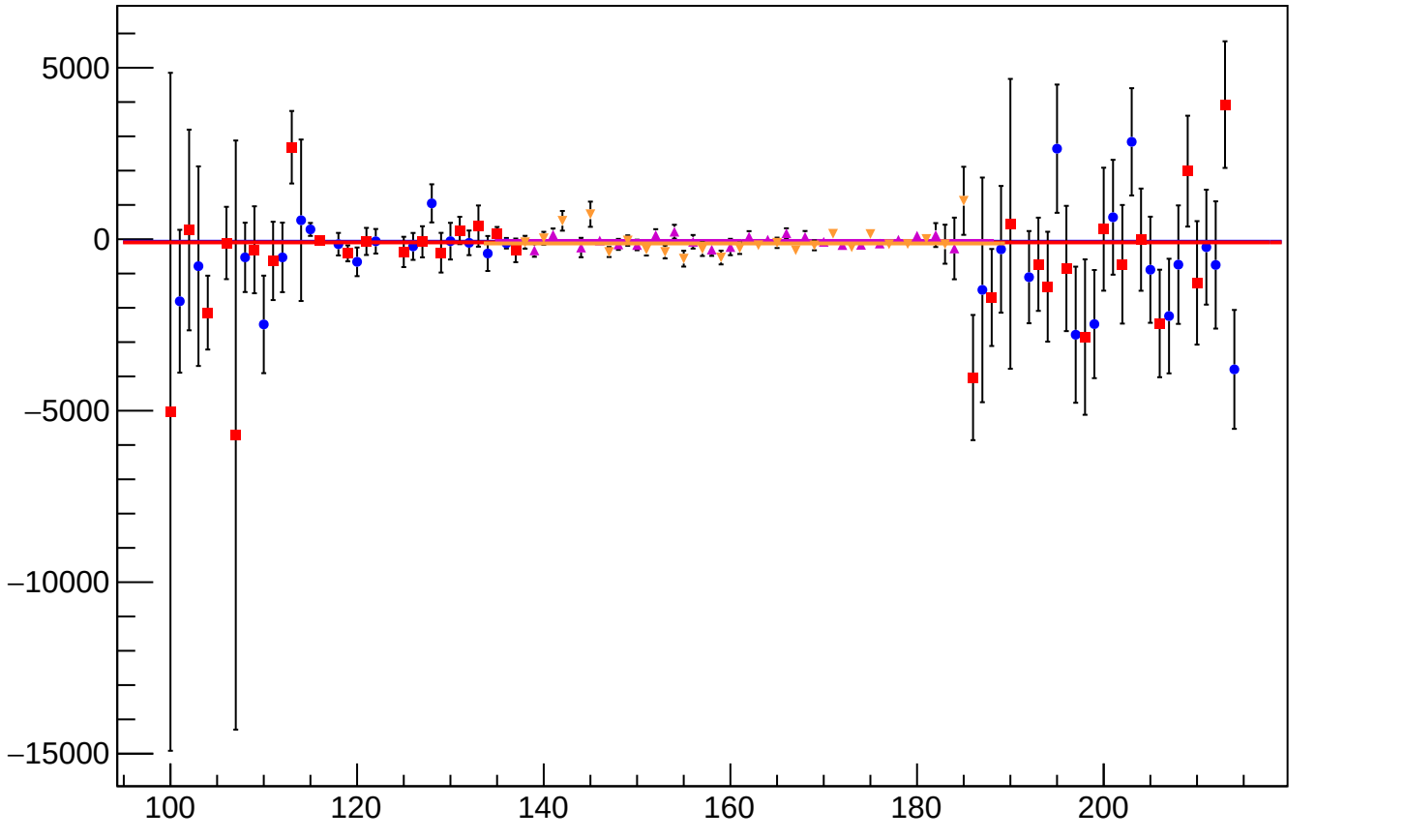
Right Out: 2233.033+/-0.368 χ^2/NDF: 200585.6/31

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2197.484+/-0.257 χ^2/NDF: 553260.8/53

All: 2201.940+/-0.182 χ^2/NDF: 766566.2/108

- sign 2206.417+/-0.257 χ^2/NDF: 212701.4/54



Right In: -73.051+/-89.190 χ^2/NDF: 32.0/29

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

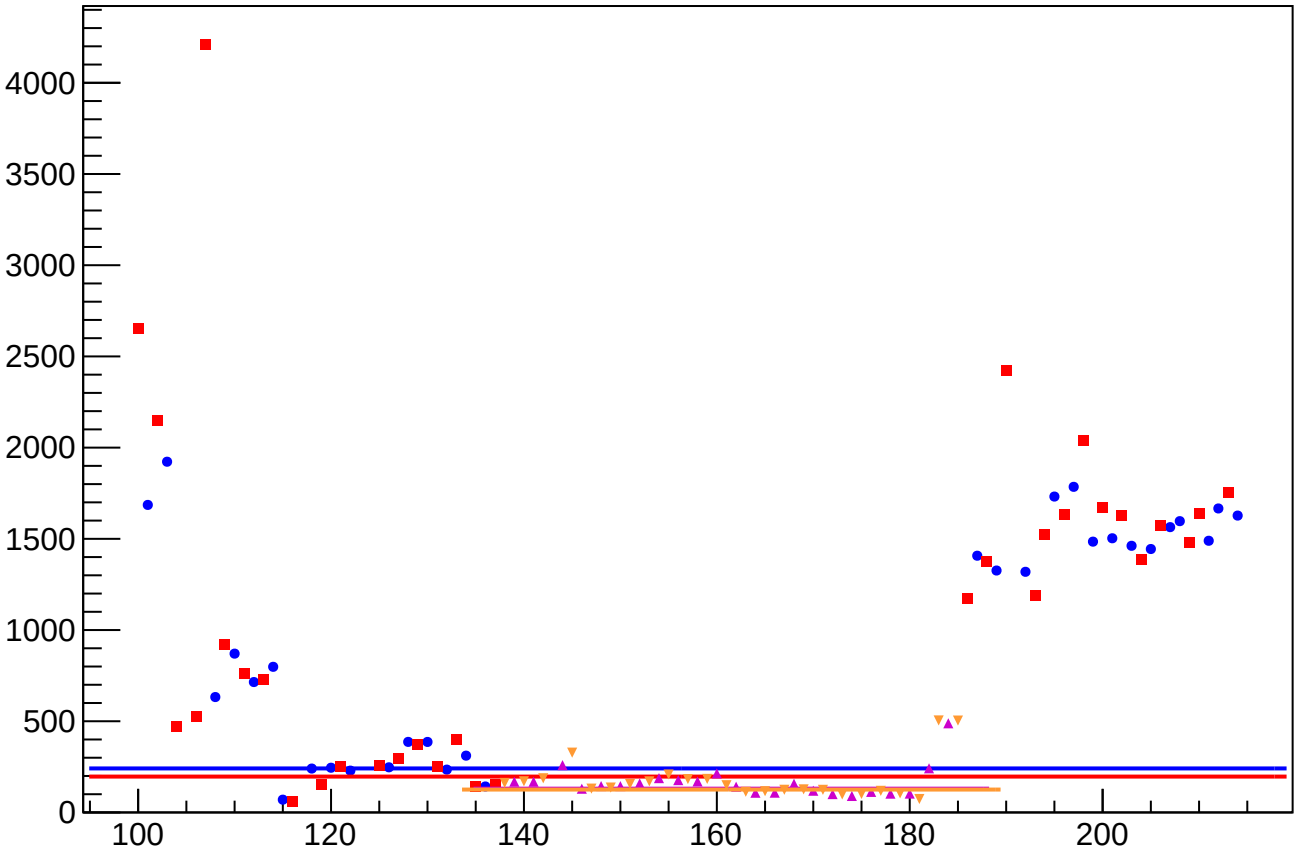
Right Out: -92.396+/-81.023 χ^2/NDF: 35.2/31

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

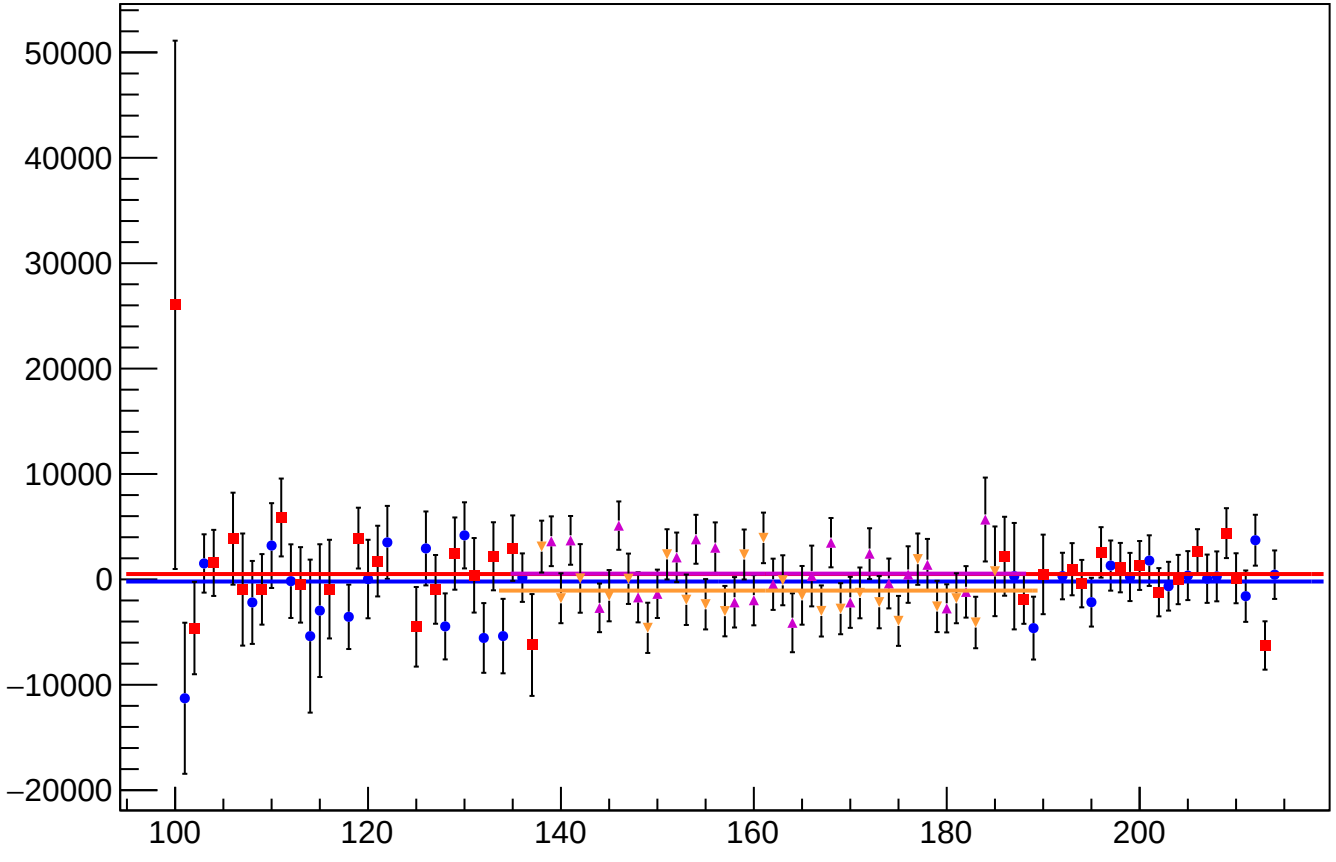
+ sign -117.425+/-29.625 χ^2/NDF: 76.1/53

All: -87.340+/-21.149 χ^2/NDF: 131.9/108

- sign -56.071+/-30.202 χ^2/NDF: 53.7/54


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 241.345+/-0.063 χ²/NDF: 21237996.8/29
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 196.659+/-0.057 χ²/NDF: 23663833.2/31
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
+ sign 138.283+/-0.021 χ²/NDF: 28183247.4/53
All: 138.954+/-0.015 χ²/NDF: 55678446.8/10
- sign 139.651+/-0.021 χ²/NDF: 27493109.1/54

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -201.698+/-522.344 χ^2/NDF: 23.5/29

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 507.349+/-521.611 χ^2/NDF: 27.7/31

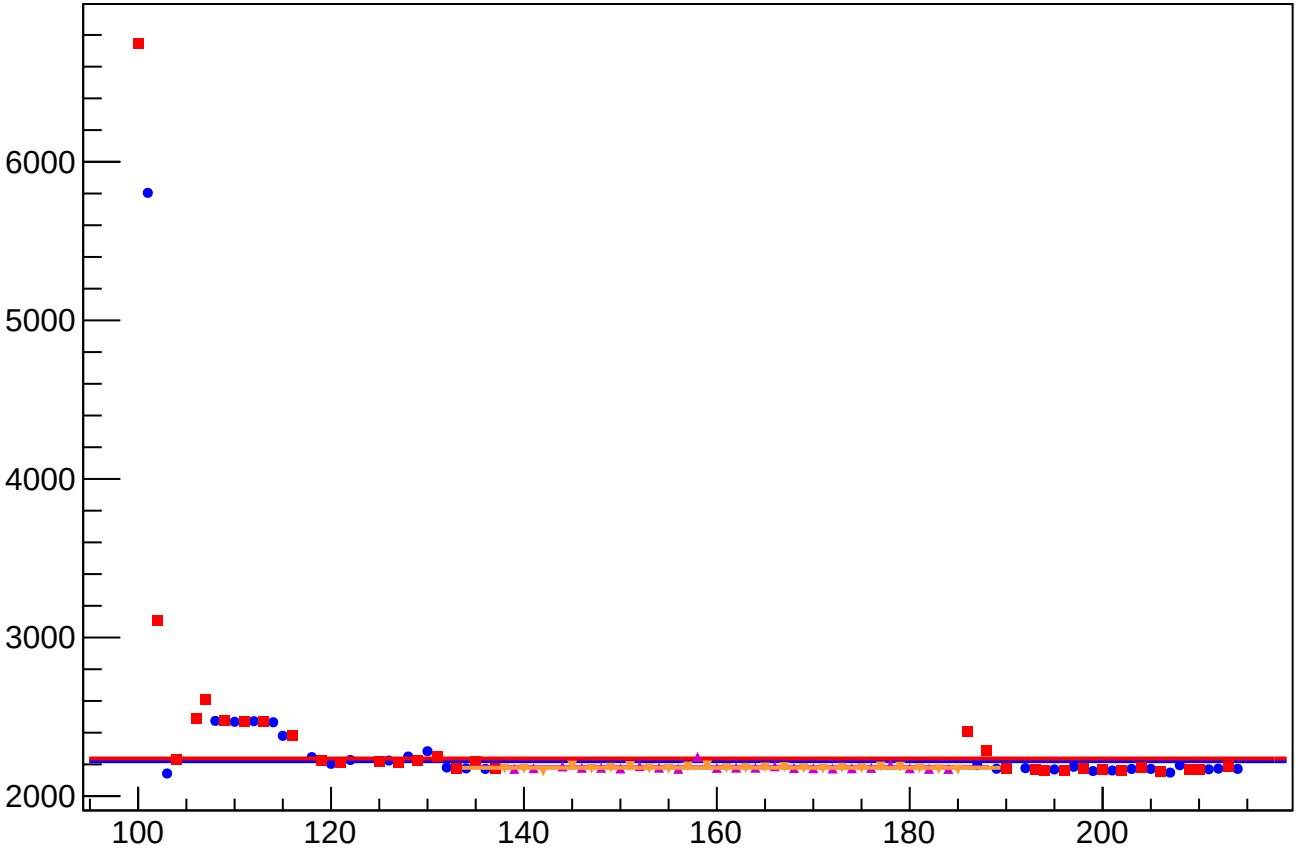
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -646.028+/-363.298 χ^2/NDF: 46.8/53

All: -61.754+/-257.298 χ^2/NDF: 107.6/108

- sign 526.241+/-364.453 χ^2/NDF: 55.6/54

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2220.282+/-0.369 χ^2/NDF: 546286.6/29

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

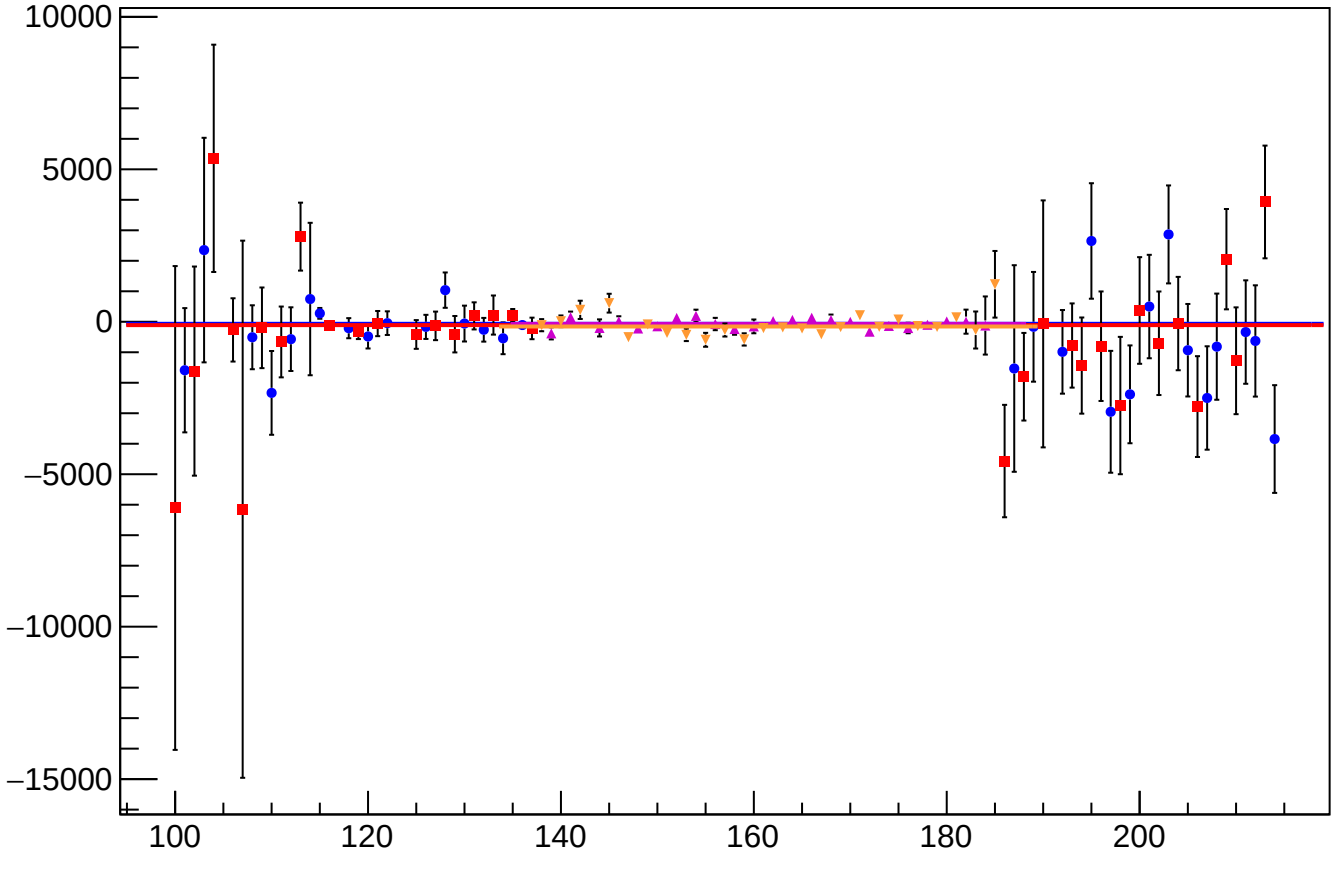
Right Out: 2237.019+/-0.369 χ^2/NDF: 216325.8/31

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2198.714+/-0.257 χ^2/NDF: 553348.2/53

All: 2203.740+/-0.182 χ^2/NDF: 783717.6/108

- sign 2208.799+/-0.258 χ^2/NDF: 229601.2/54



Right In: -66.778+/-90.623 χ^2/NDF: 31.7/29

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

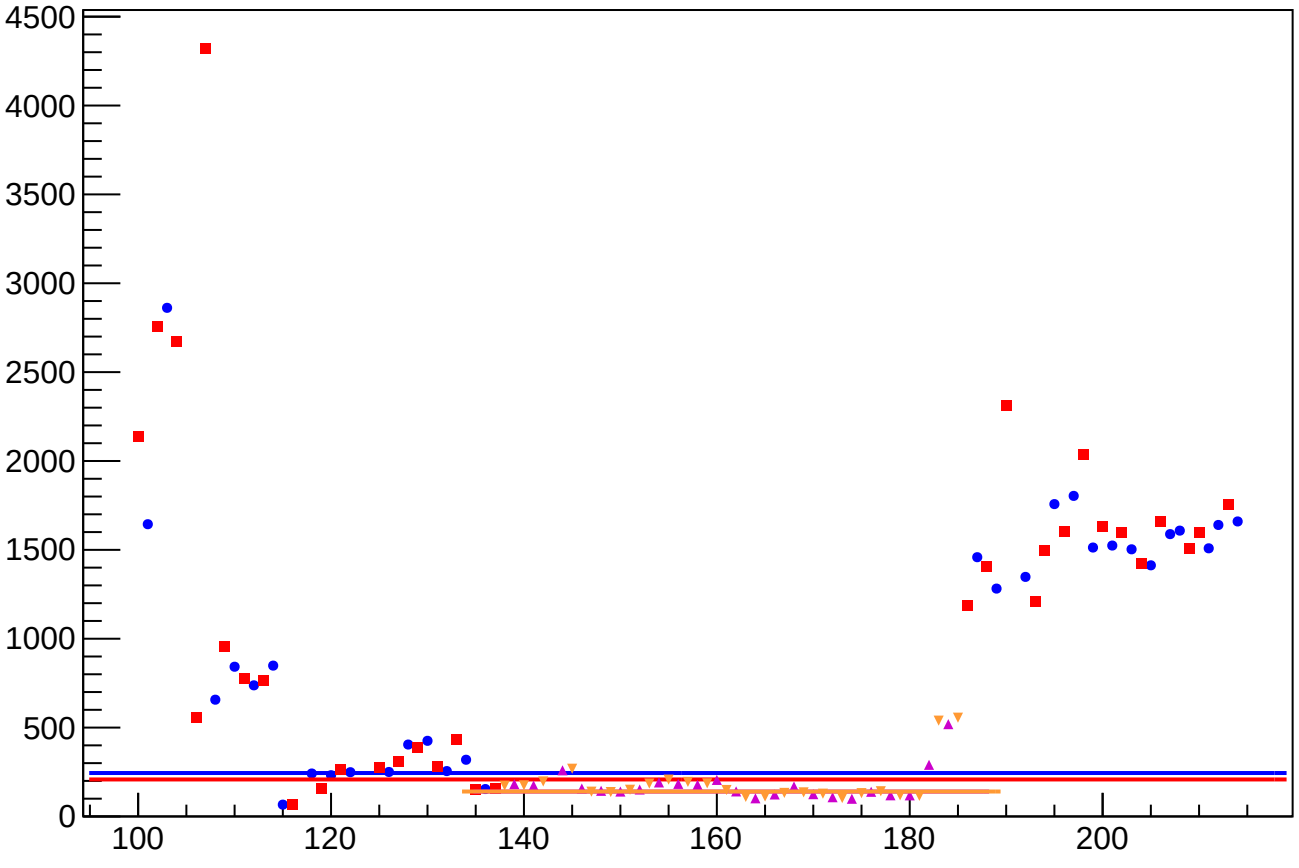
Right Out: -109.752+/-84.618 χ^2/NDF: 34.5/31

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

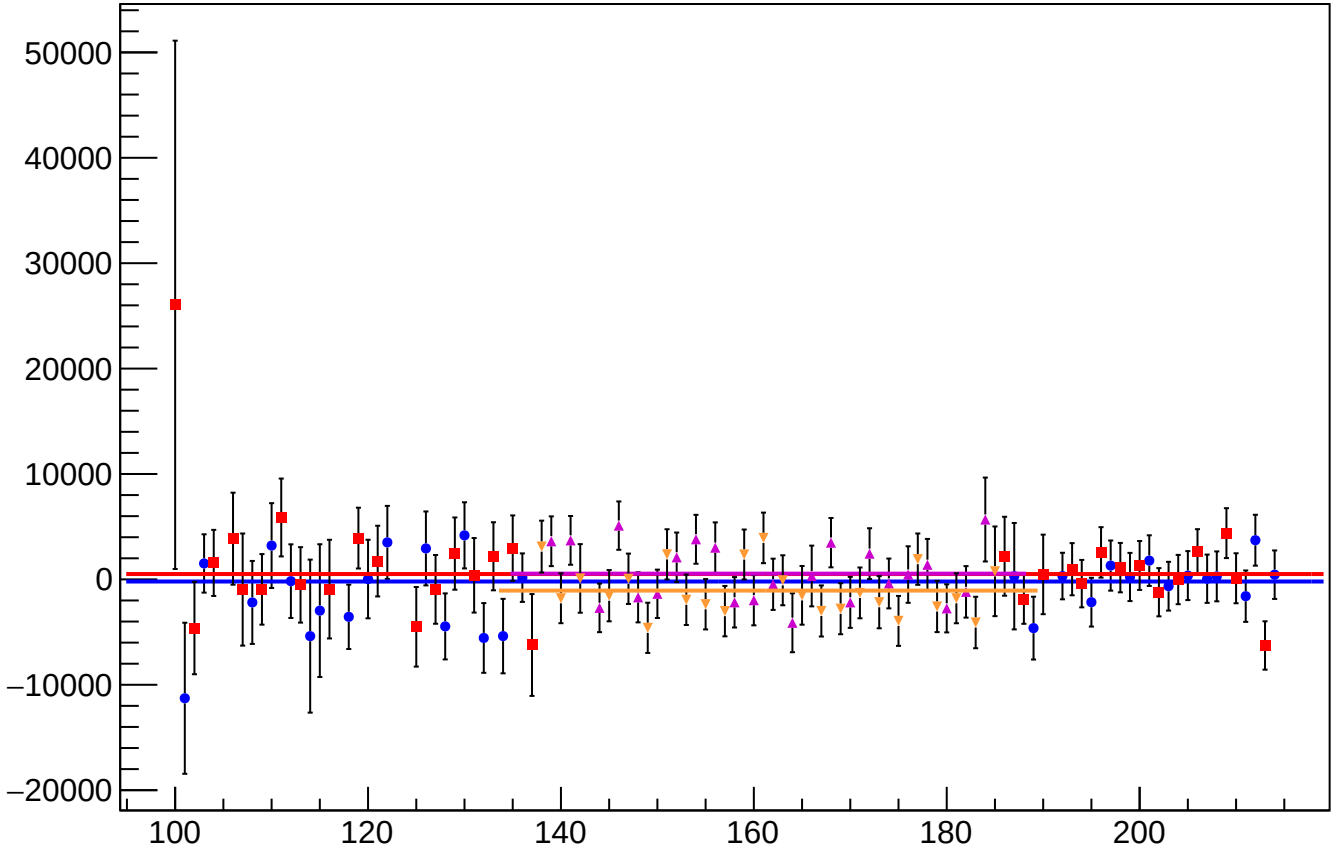
+ sign -143.839+/-31.883 χ^2/NDF: 79.8/53

All: -109.588+/-22.484 χ^2/NDF: 135.7/108

- sign -75.705+/-31.712 χ^2/NDF: 53.6/54


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 244.387+/-0.064 χ²/NDF: 21793707.2/29
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 208.169+/-0.060 χ²/NDF: 24417564.0/31
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 153.200+/-0.023 χ²/NDF: 26864999.4/53
All: 151.368+/-0.016 χ²/NDF: 54824578.2/10
- sign 149.556+/-0.022 χ²/NDF: 27946444.0/54

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -201.701+/-522.344 χ^2/NDF: 23.5/29

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 507.348+/-521.611 χ^2/NDF: 27.7/31

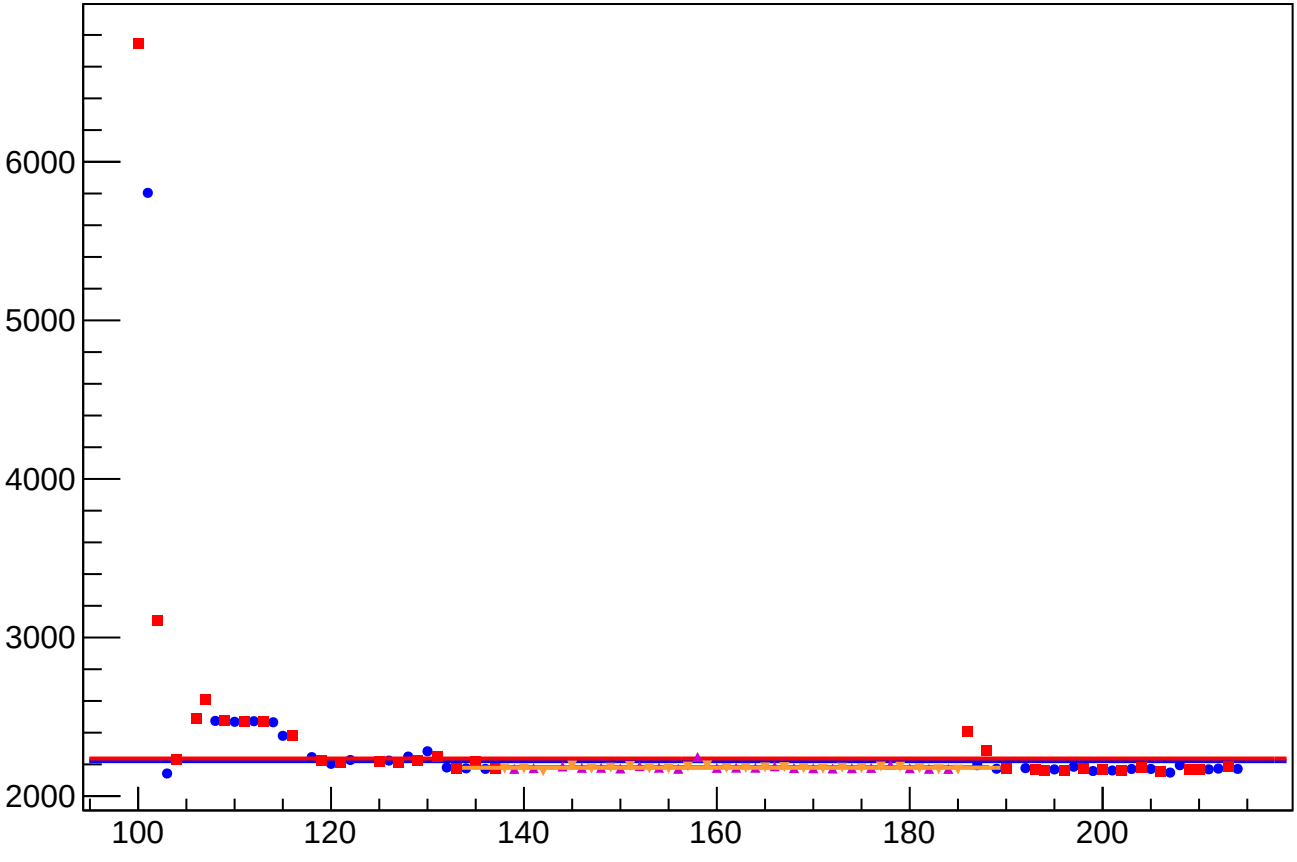
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

\+ sign -646.030+/-363.298 χ^2/NDF: 46.8/53

All: -61.755+/-257.298 χ^2/NDF: 107.6/108

\- sign 526.240+/-364.453 χ^2/NDF: 55.6/54

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2220.282+/-0.369 χ^2/NDF: 546286.7/29

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

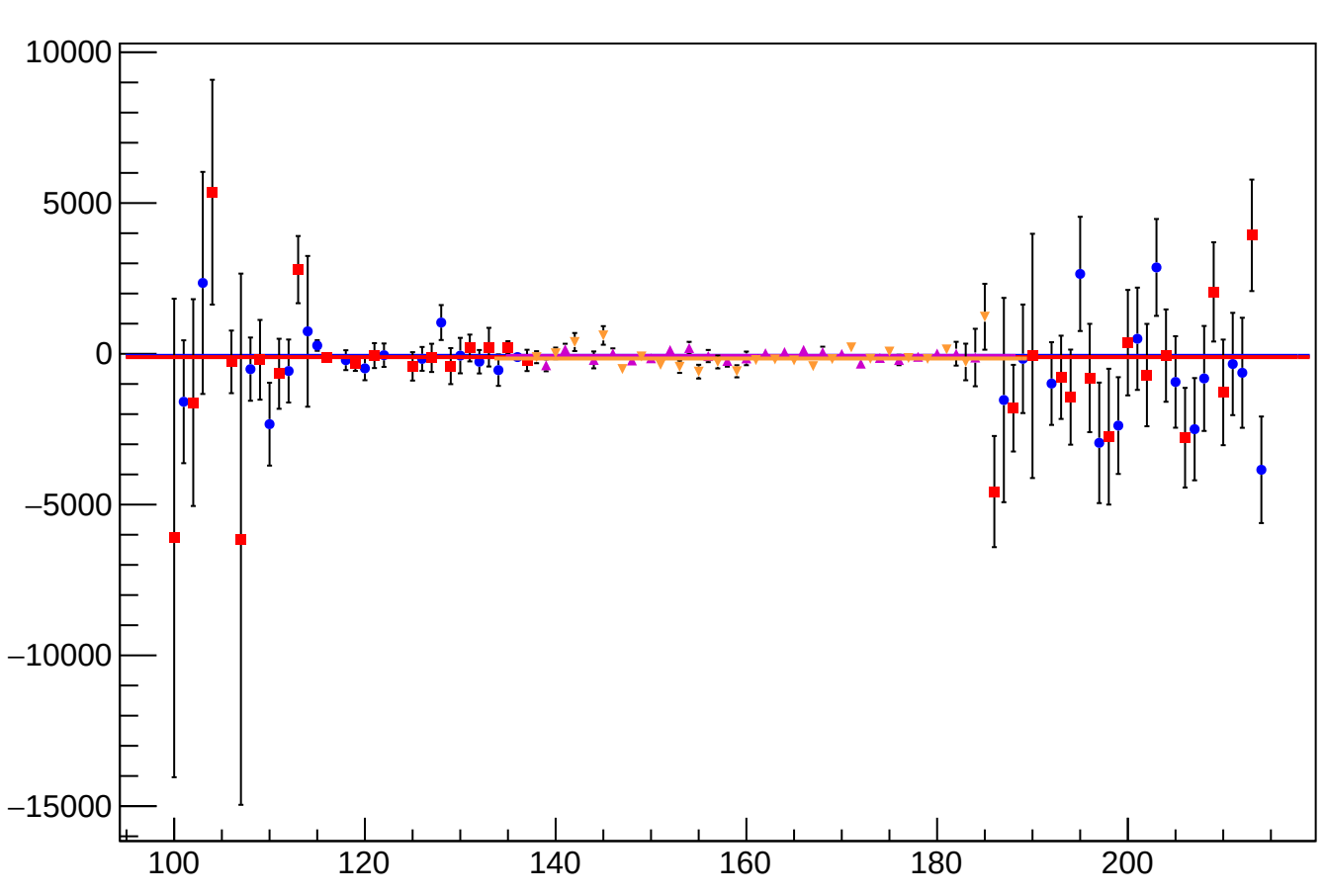
Right Out: 2237.019+/-0.369 χ^2/NDF: 216325.7/31

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2198.714+/-0.257 χ^2/NDF: 553348.2/53

All: 2203.740+/-0.182 χ^2/NDF: 783717.5/108

- sign 2208.799+/-0.258 χ^2/NDF: 229601.0/54



Right In: -66.775+/-90.623 χ^2/NDF: 31.7/29

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

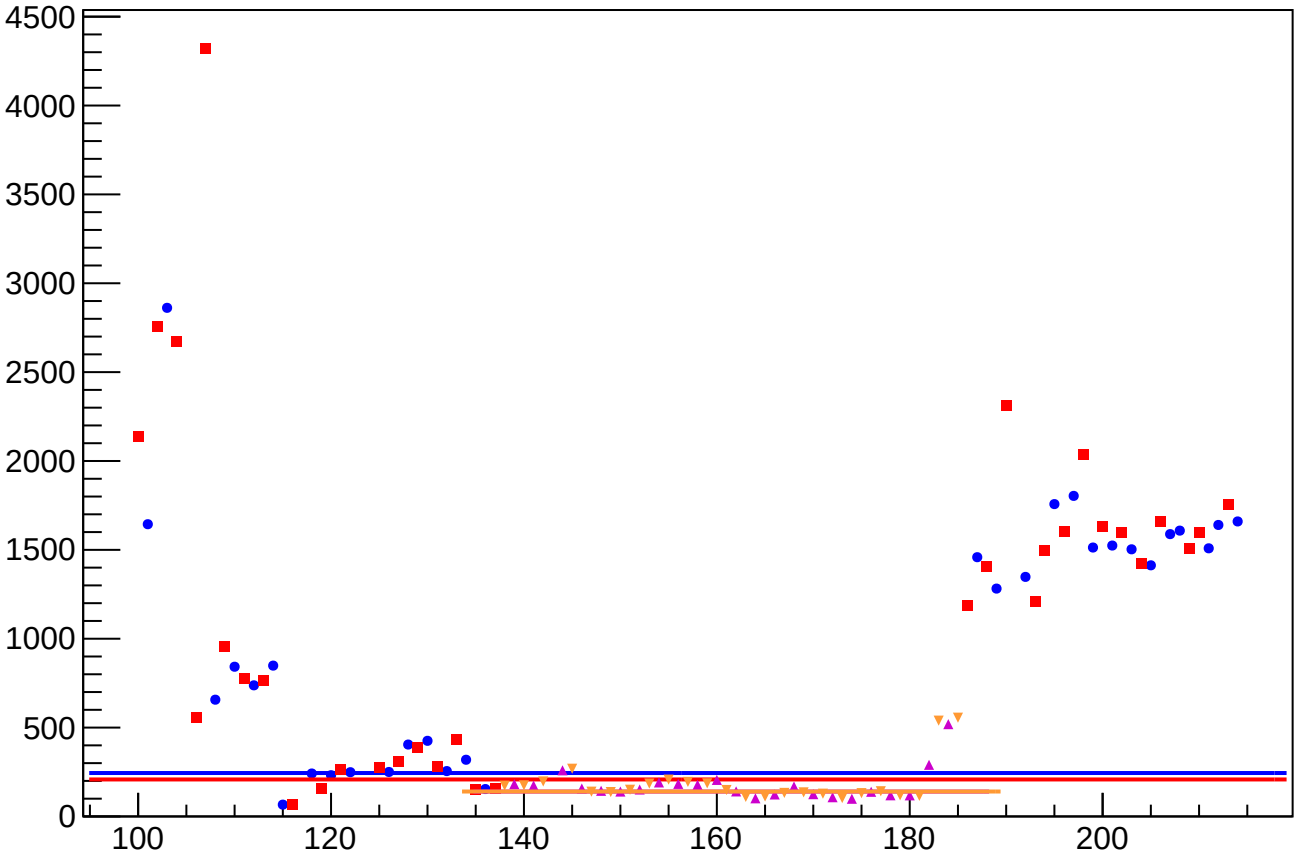
Right Out: -109.753+/-84.617 χ^2/NDF: 34.5/31

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -143.840+/-31.883 χ^2/NDF: 79.8/53

All: -109.588+/-22.484 χ^2/NDF: 135.7/108

- sign -75.704+/-31.712 χ^2/NDF: 53.6/54



Right In: 244.384+/-0.064 χ^2/NDF: 21793821.5/29

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 208.166+/-0.060 χ^2/NDF: 24417697.0/31

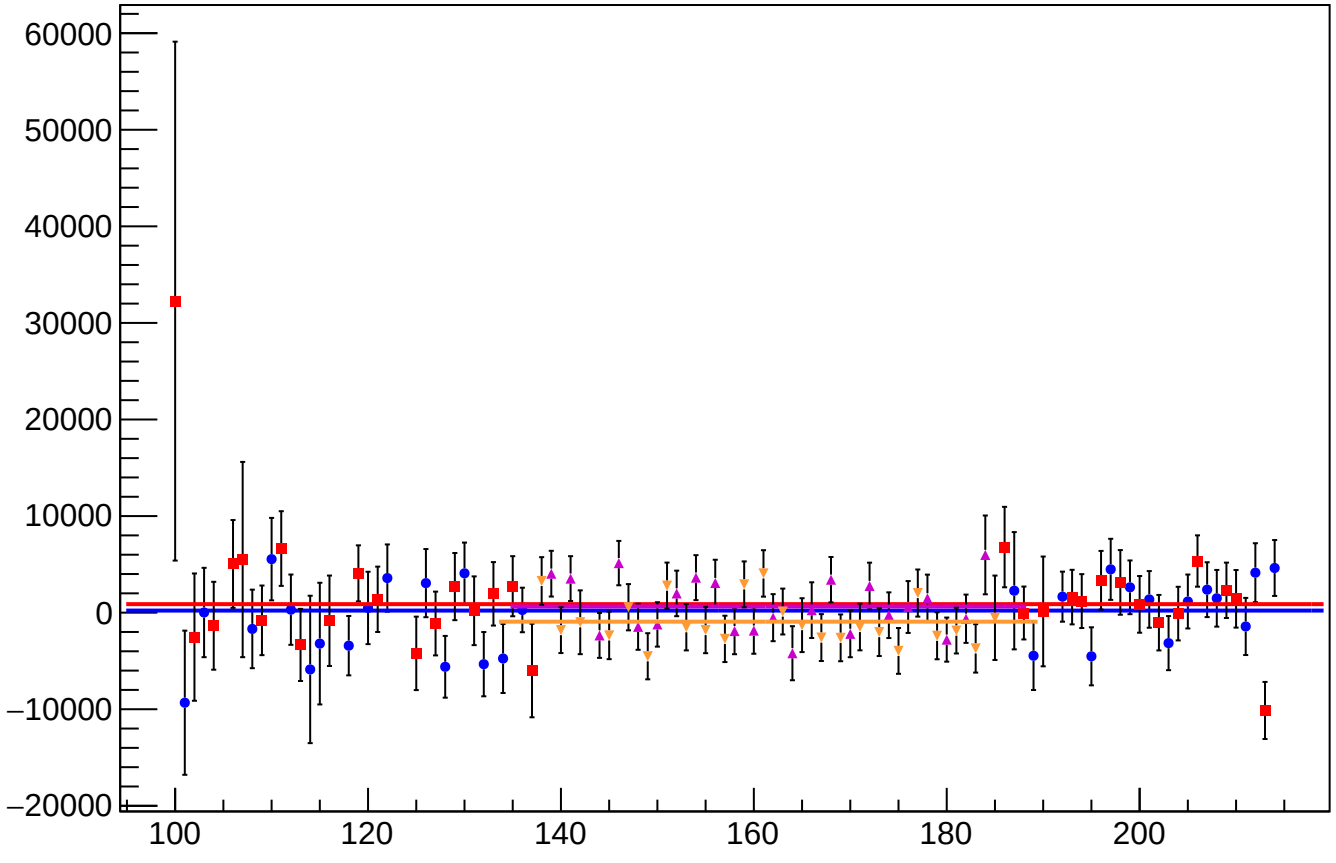
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 153.200+/-0.023 χ^2/NDF: 26864986.0/53

All: 151.368+/-0.016 χ^2/NDF: 54824664.1/10

- sign 149.556+/-0.022 χ^2/NDF: 27946541.1/54

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 215.778+/-604.138 χ^2/NDF: 30.8/29

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 880.689+/-609.738 χ^2/NDF: 33.8/31

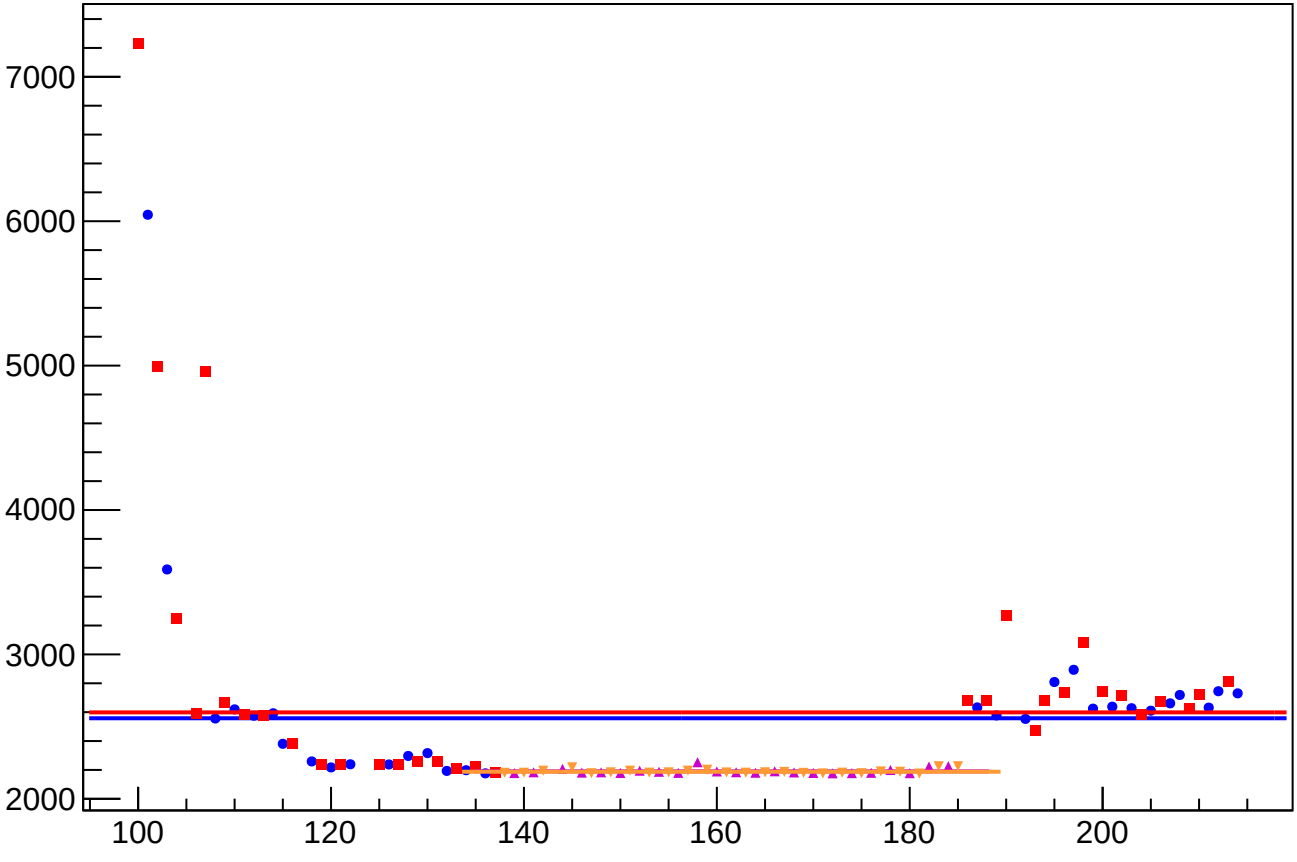
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -456.905+/-388.685 χ^2/NDF: 55.3/53

All: 137.250+/-275.942 χ^2/NDF: 121.0/108

- sign 741.016+/-391.816 χ^2/NDF: 60.9/54

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2557.740+/-0.427 χ^2/NDF: 796510.6/29

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

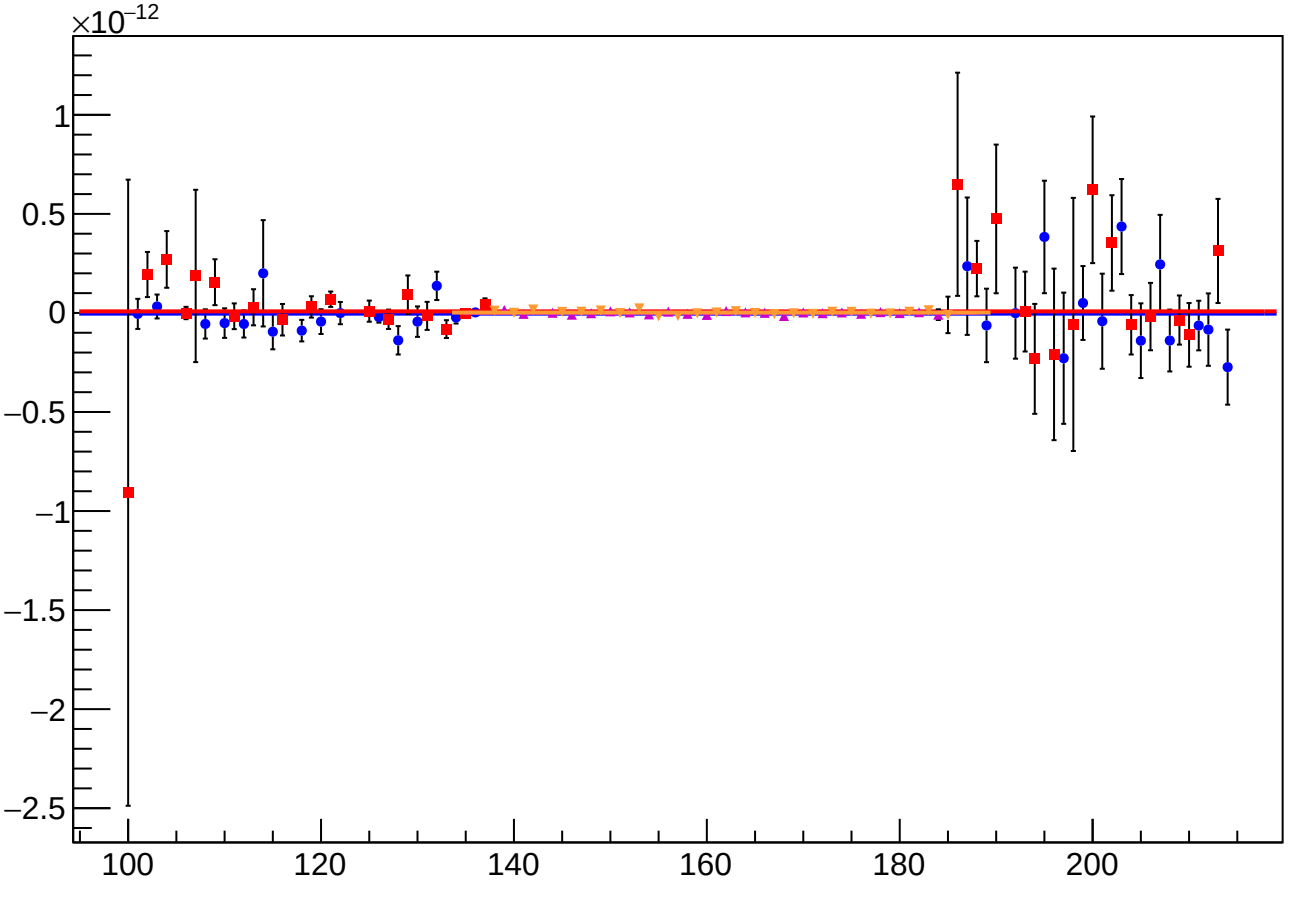
Right Out: 2598.521+/-0.431 χ^2/NDF: 789705.0/31

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

\+ sign 2340.823+/-0.275 χ^2/NDF: 1237796.0/53

All: 2349.733+/-0.195 χ^2/NDF: 2558804.4/10

\- sign 2358.787+/-0.277 χ^2/NDF: 1318889.5/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

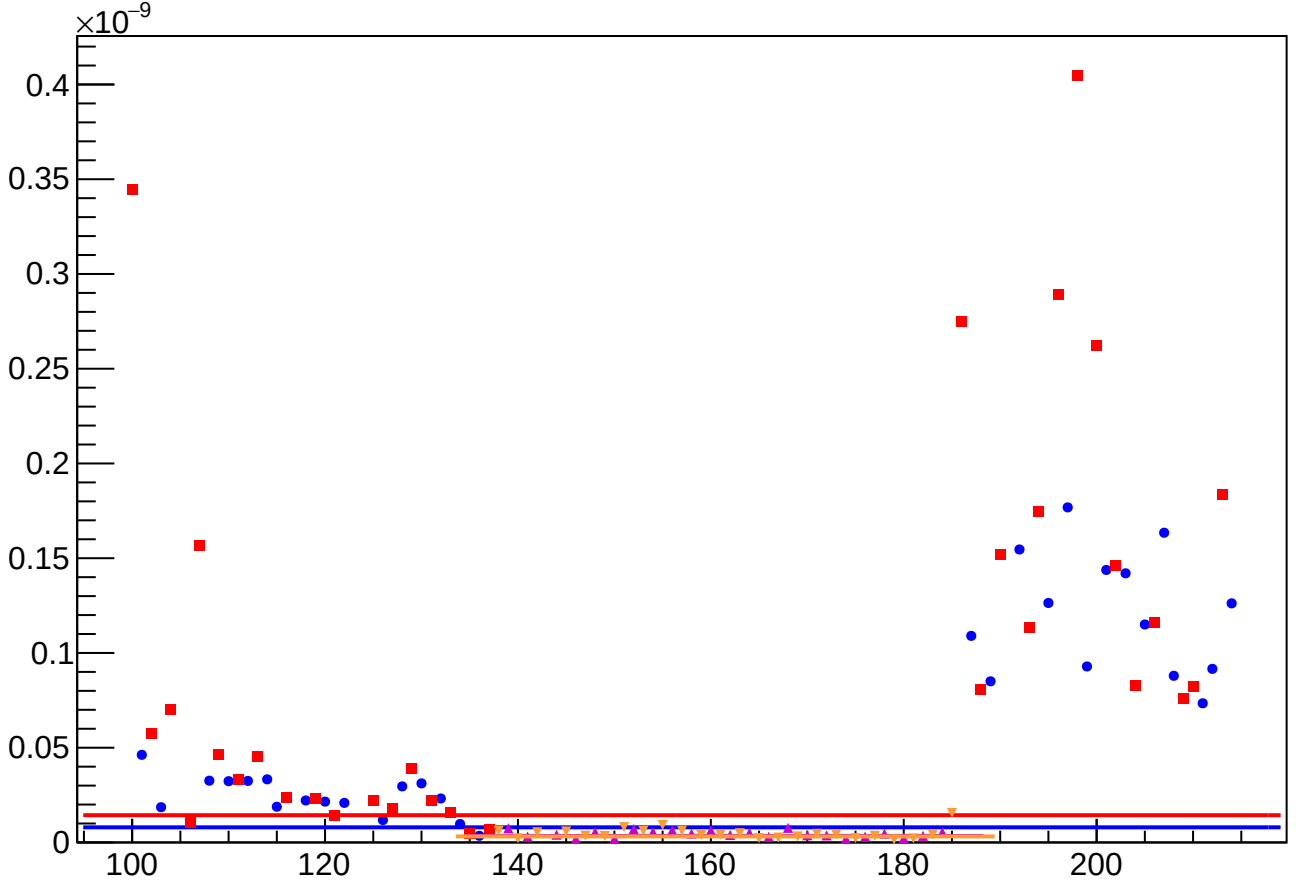
Right Out: 0.000+/-0.000 χ^2/NDF: 32.2/31

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.8/53

All: 0.000+/-0.000 χ^2/NDF: 93.2/108

- sign 0.000+/-0.000 χ^2/NDF: 46.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 10516467.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

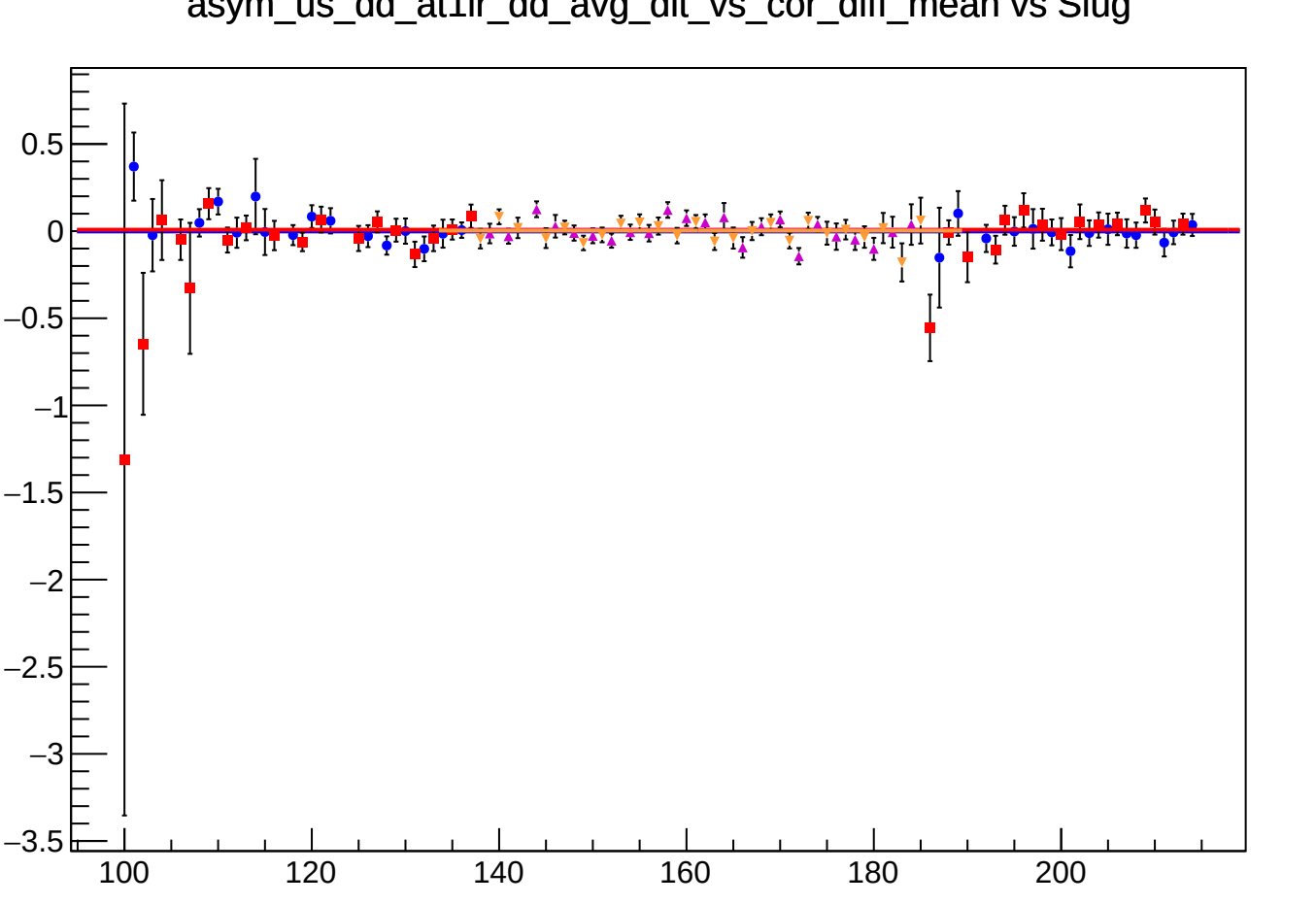
Right Out: 0.000+/-0.000 χ^2/NDF: 11041825.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13695980.7/53

All: 0.000+/-0.000 χ^2/NDF: 29010759.3/108

- sign 0.000+/-0.000 χ^2/NDF: 15285858.1/54



Right In: -0.002+/-0.014 χ^2/NDF: 21.3/29

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

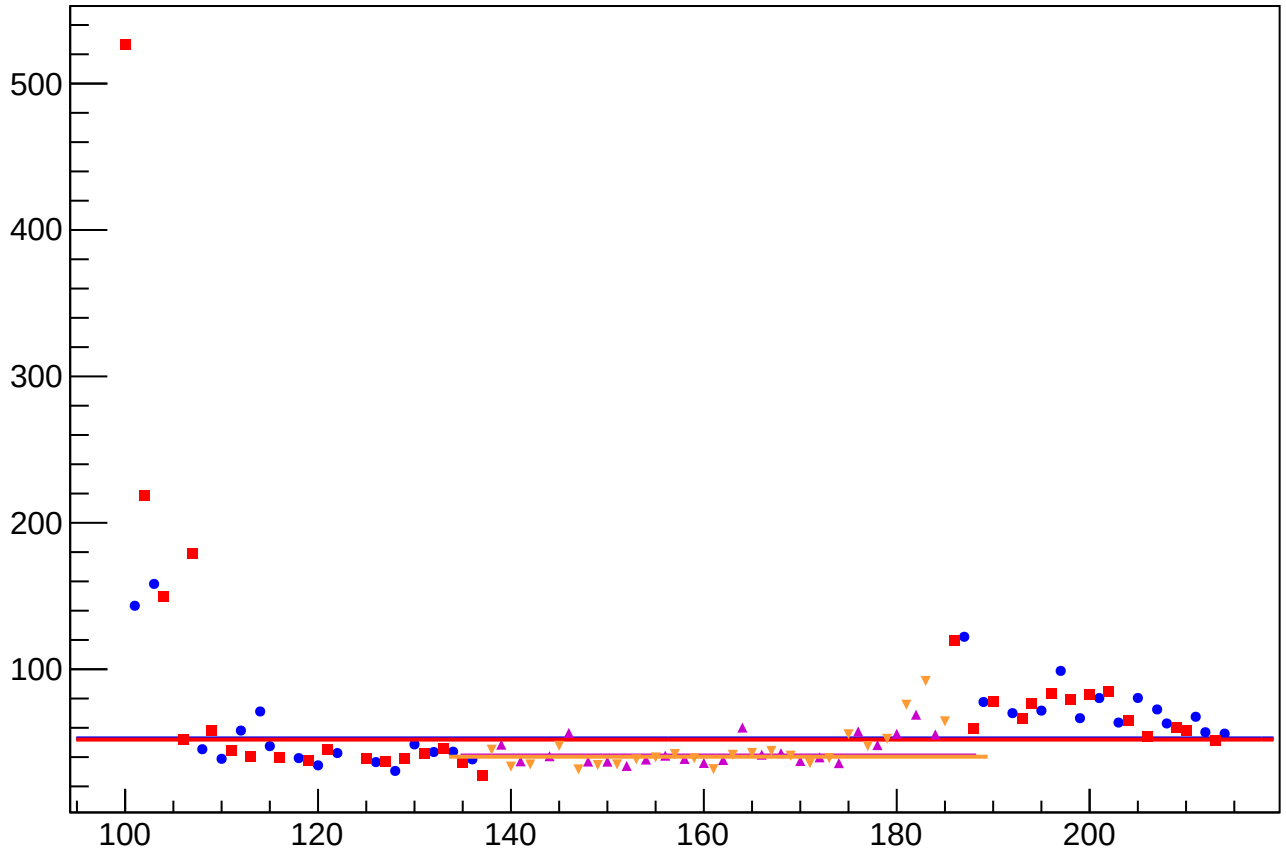
Right Out: 0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 43.2/53

All: 0.004+/-0.006 χ^2/NDF: 119.2/108

- sign 0.006+/-0.008 χ^2/NDF: 75.8/54



Right In: 52.761+/-0.010 χ^2/NDF: 3576546.0/29

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.968+/-0.010 χ^2/NDF: 3573195.9/31

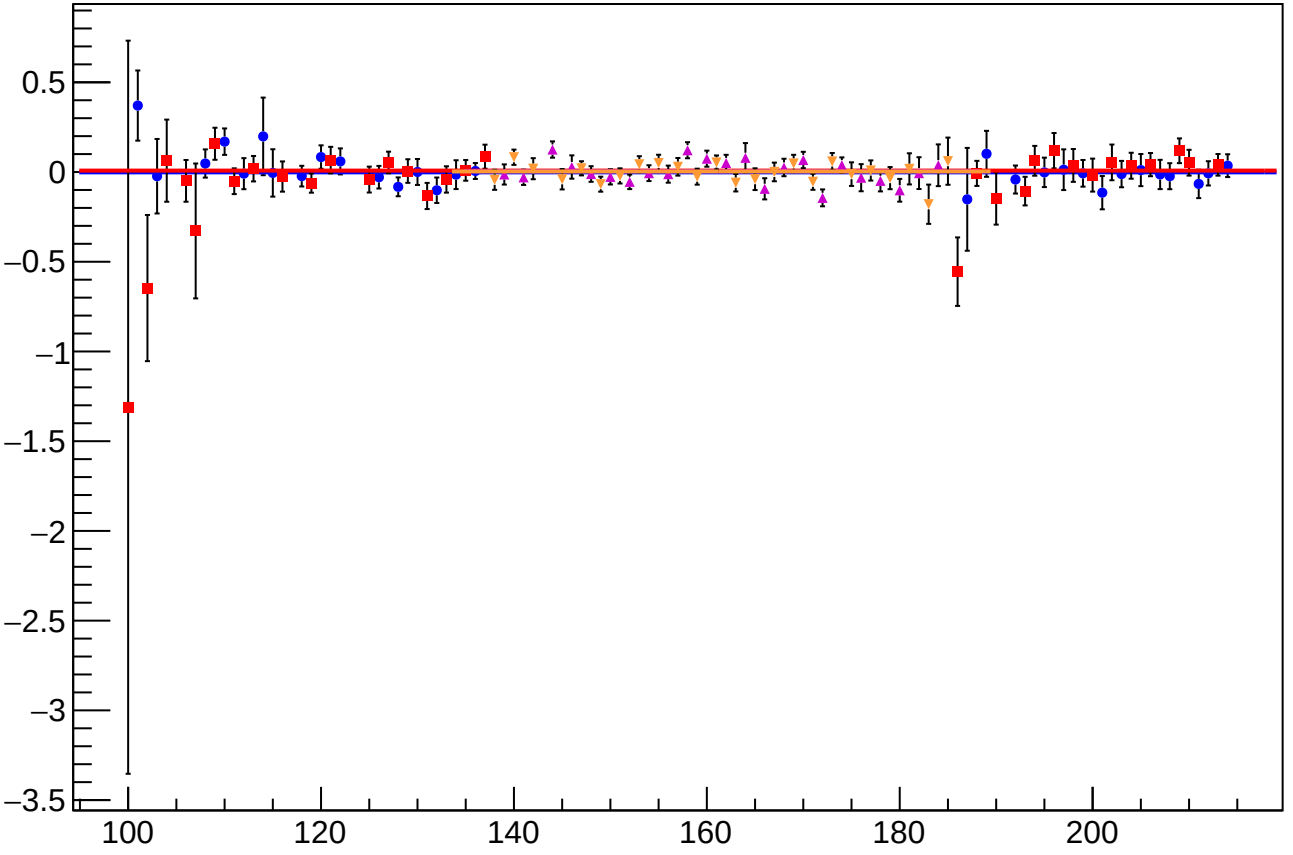
Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.663+/-0.006 χ^2/NDF: 6084131.7/53

All: 44.827+/-0.004 χ^2/NDF: 11349138.9/108

- sign 44.994+/-0.006 χ^2/NDF: 5263460.8/54

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.014 χ^2/NDF: 21.3/29

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

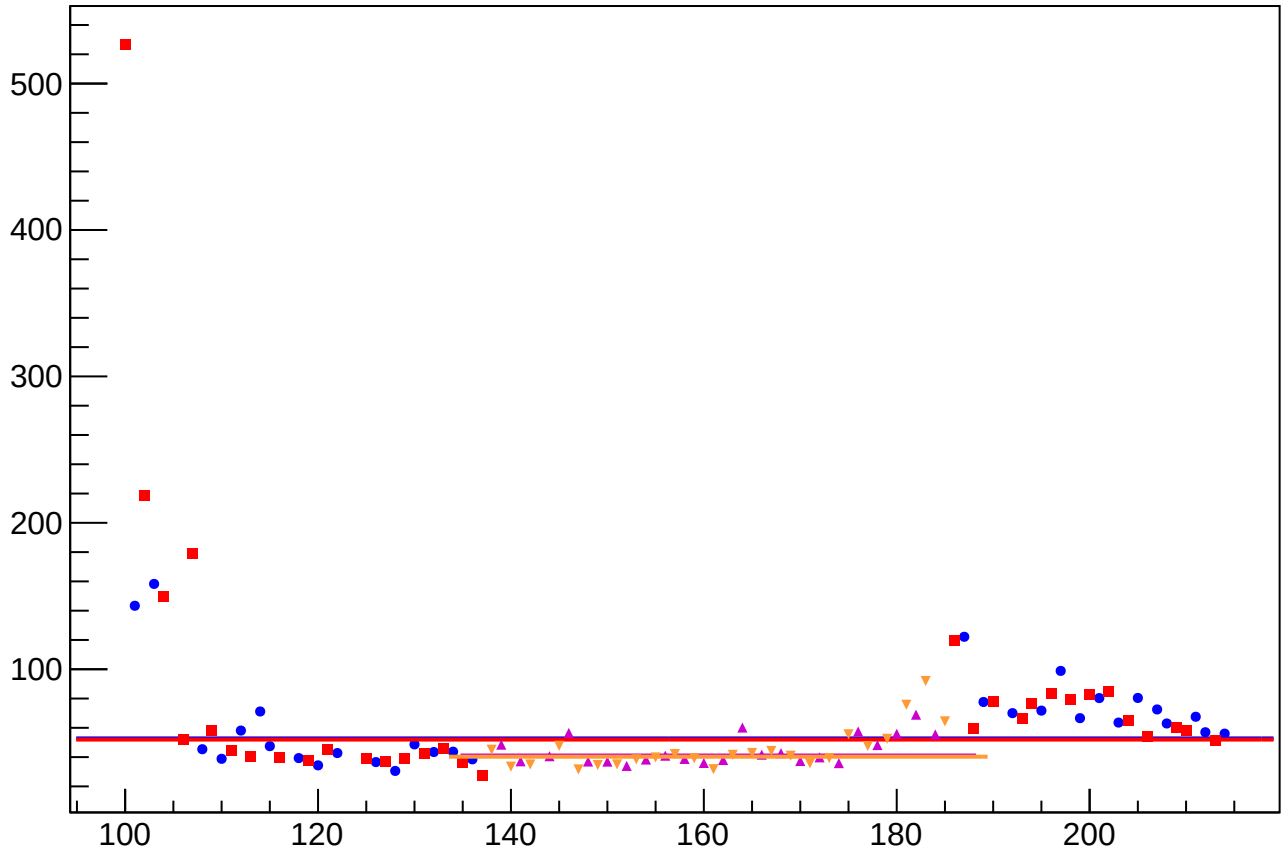
Right Out: 0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 43.2/53

All: 0.004+/-0.006 χ^2/NDF: 119.2/108

- sign 0.006+/-0.008 χ^2/NDF: 75.8/54



Right In: 52.761+/-0.010 χ^2/NDF: 3576546.0/29

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

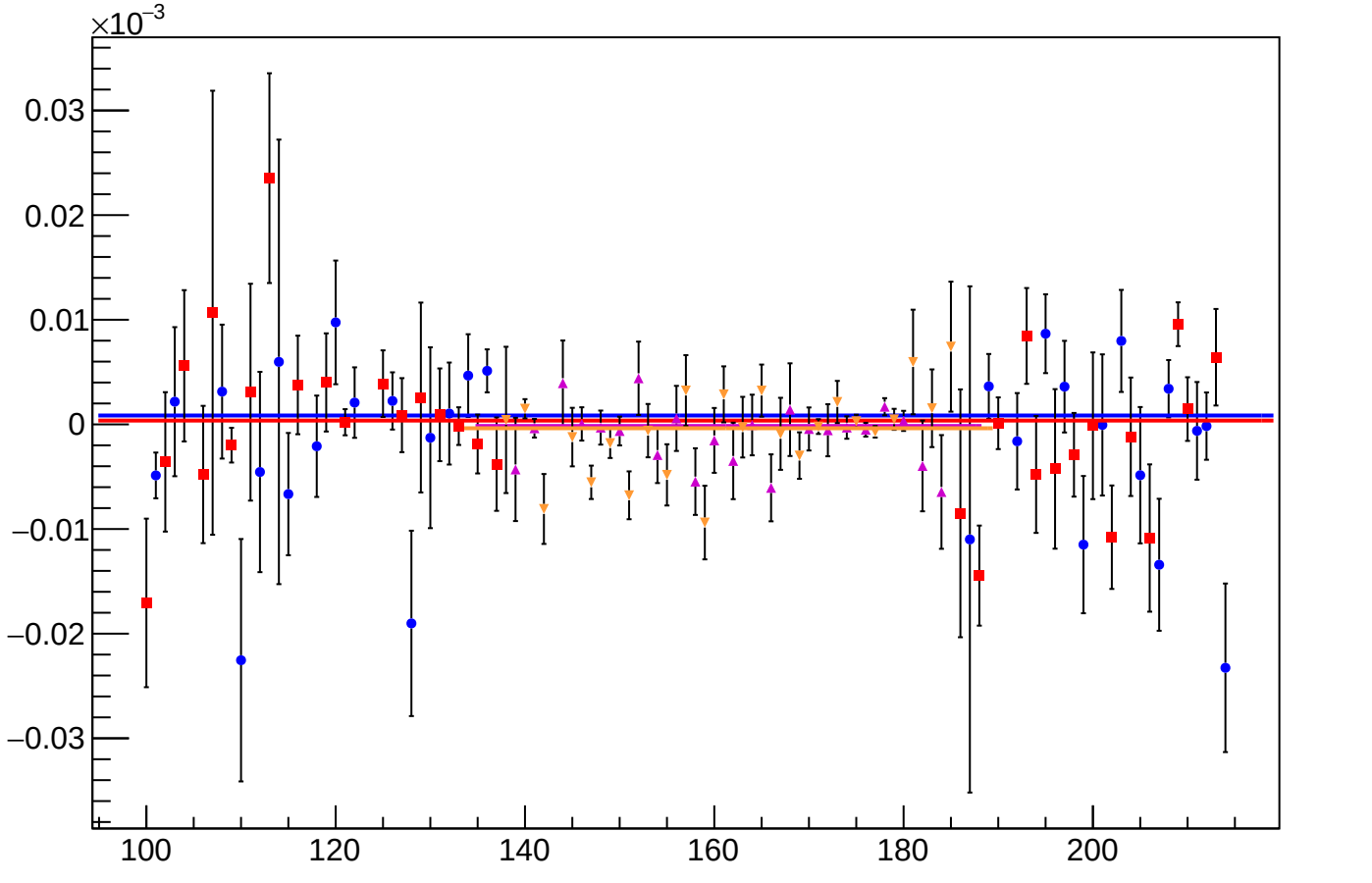
Right Out: 51.968+/-0.010 χ^2/NDF: 3573195.9/31

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 44.663+/-0.006 χ^2/NDF: 6084131.7/53

All: 44.827+/-0.004 χ^2/NDF: 11349138.9/108

- sign 44.994+/-0.006 χ^2/NDF: 5263460.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 54.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

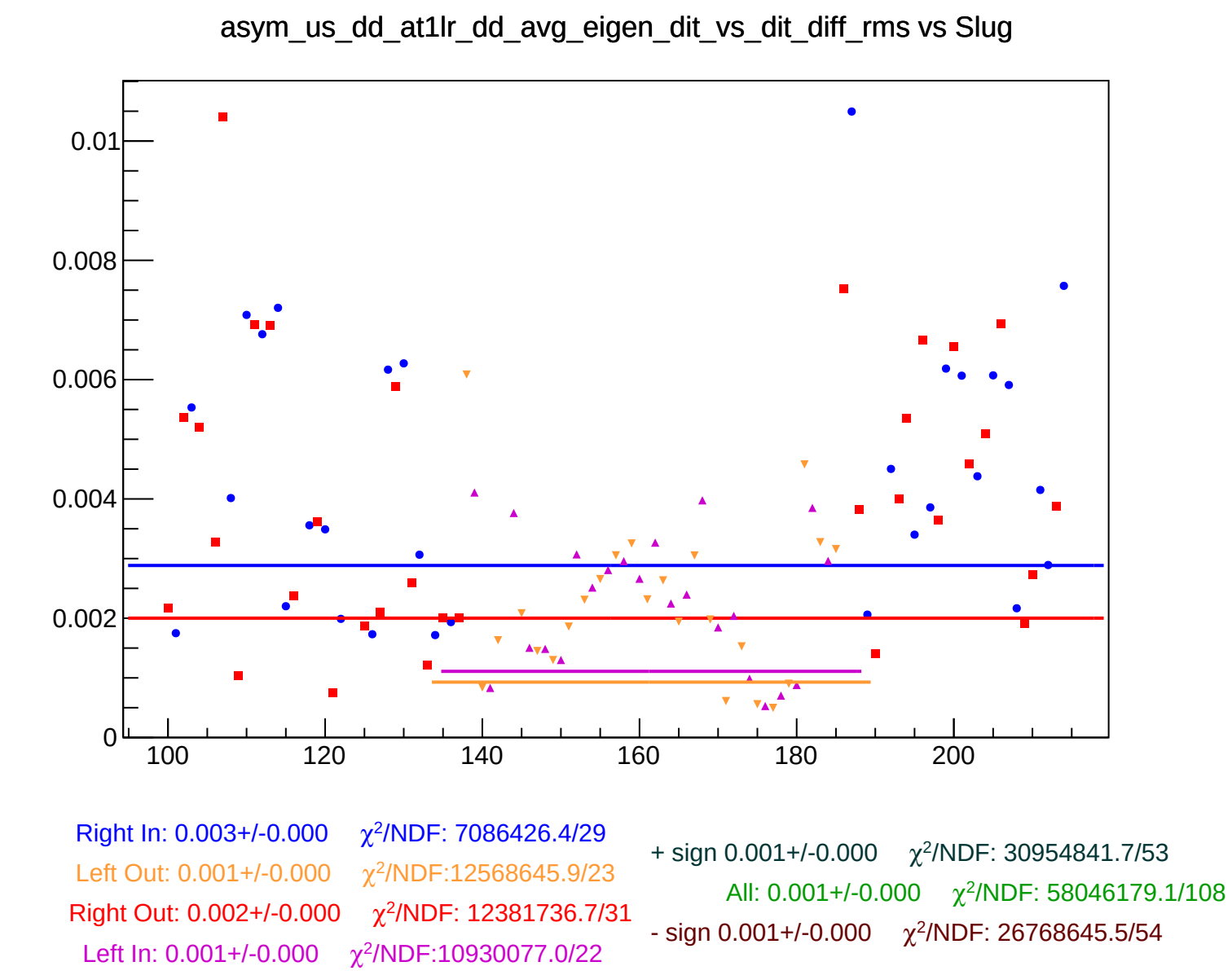
Right Out: 0.000+/-0.000 χ^2/NDF: 62.0/31

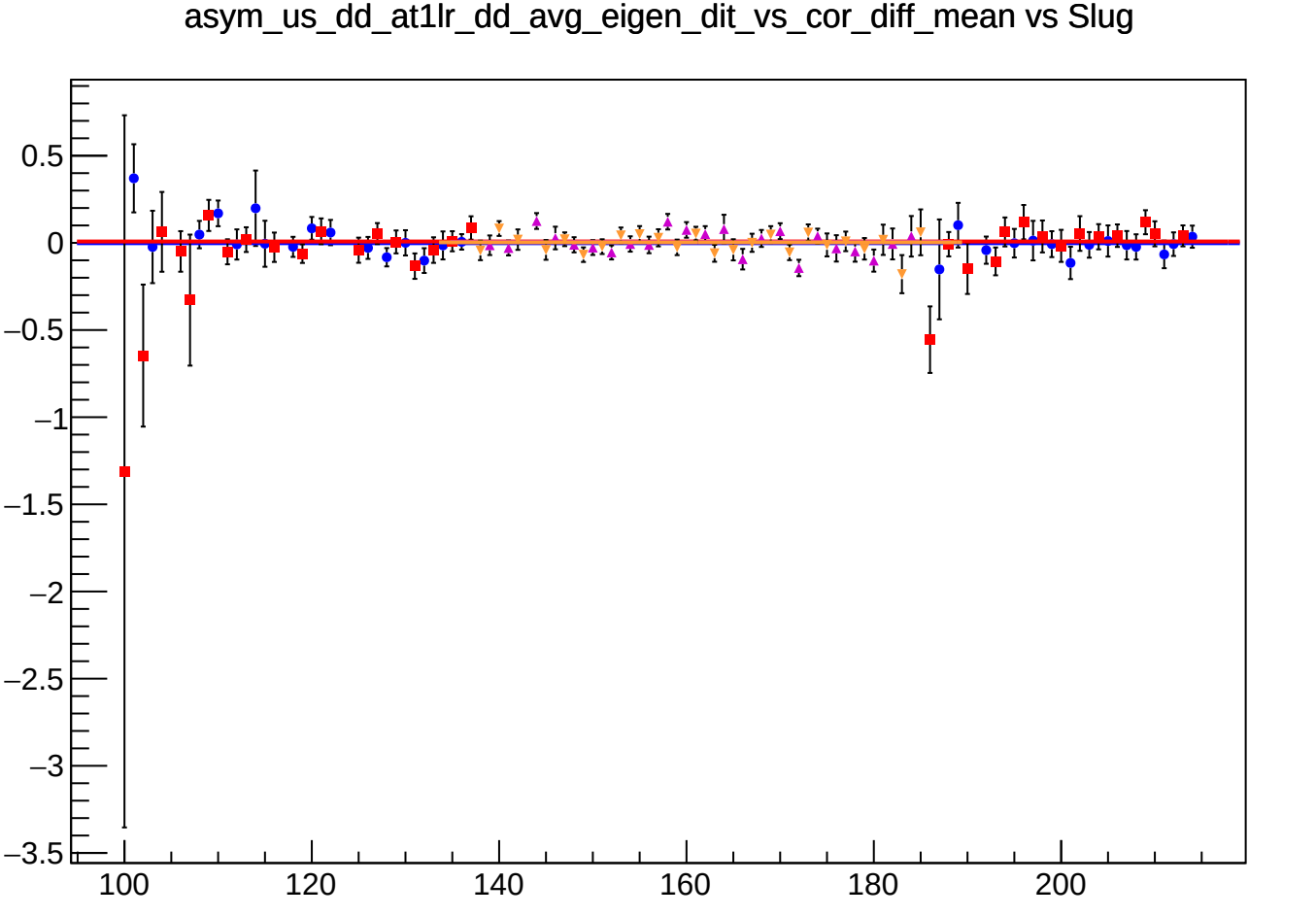
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 107.5/53

All: -0.000+/-0.000 χ^2/NDF: 190.3/108

- sign -0.000+/-0.000 χ^2/NDF: 82.5/54


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 7086426.4/29
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 12381736.7/31
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 30954841.7/53
All: 0.001+/-0.000 χ²/NDF: 58046179.1/108
- sign 0.001+/-0.000 χ²/NDF: 26768645.5/54



Right In: -0.002+/-0.014 χ^2/NDF: 21.3/29

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

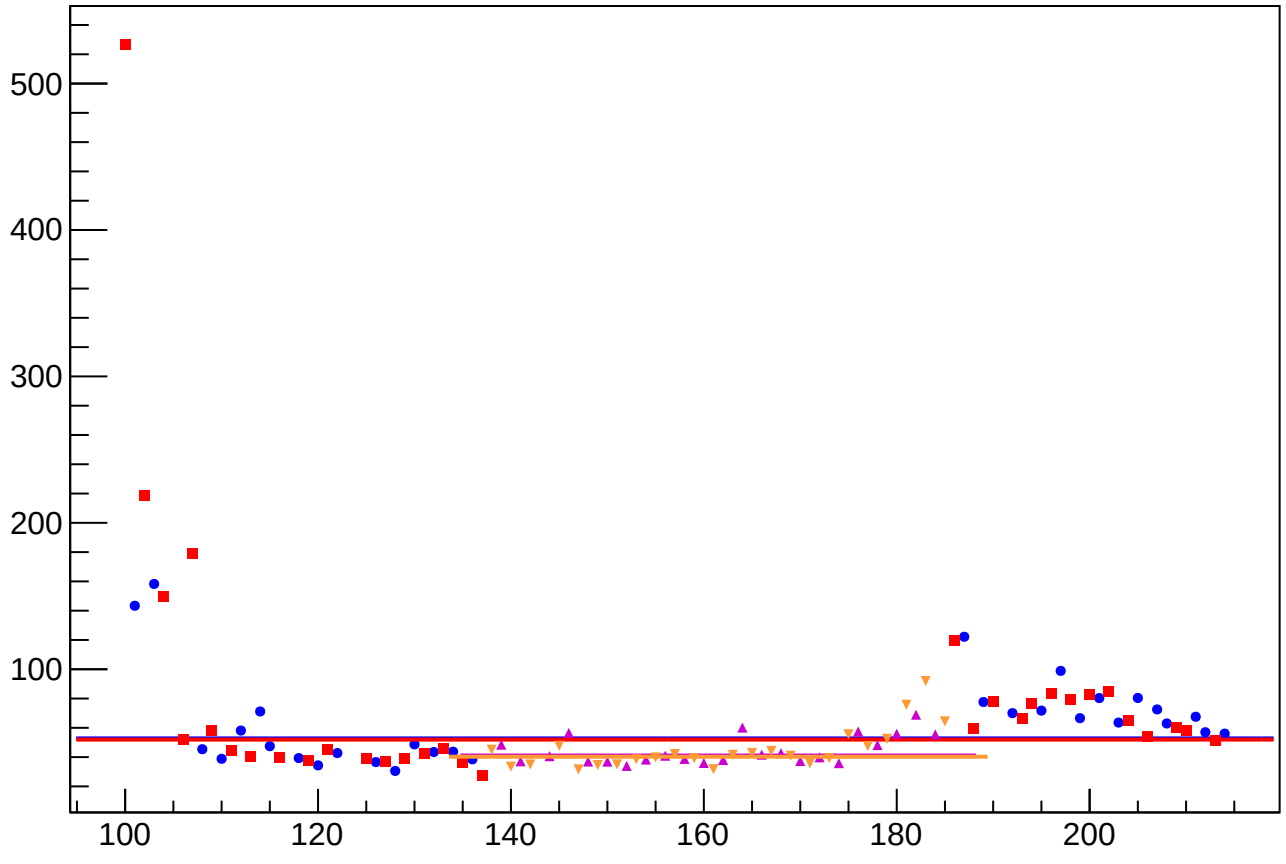
Right Out: 0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 43.2/53

All: 0.004+/-0.006 χ^2/NDF: 119.2/108

- sign 0.006+/-0.008 χ^2/NDF: 75.8/54



Right In: 52.759+/-0.010 χ^2/NDF: 3577183.4/29

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

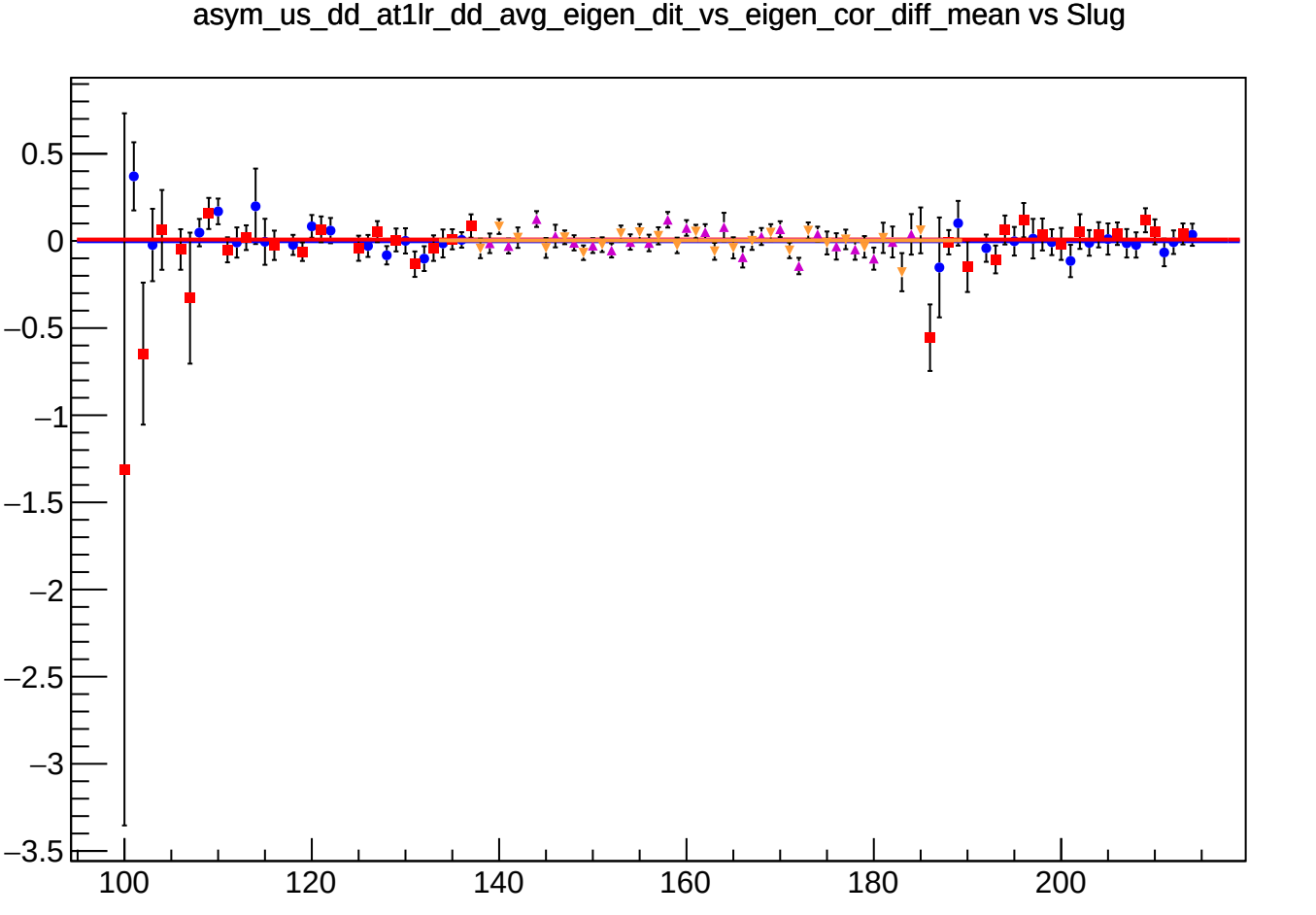
Right Out: 51.969+/-0.010 χ^2/NDF: 3573159.0/31

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.663+/-0.006 χ^2/NDF: 6084461.3/53

All: 44.827+/-0.004 χ^2/NDF: 11349557.2/108

- sign 44.994+/-0.006 χ^2/NDF: 5263543.4/54



Right In: -0.002+/-0.014 χ^2/NDF: 21.3/29

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

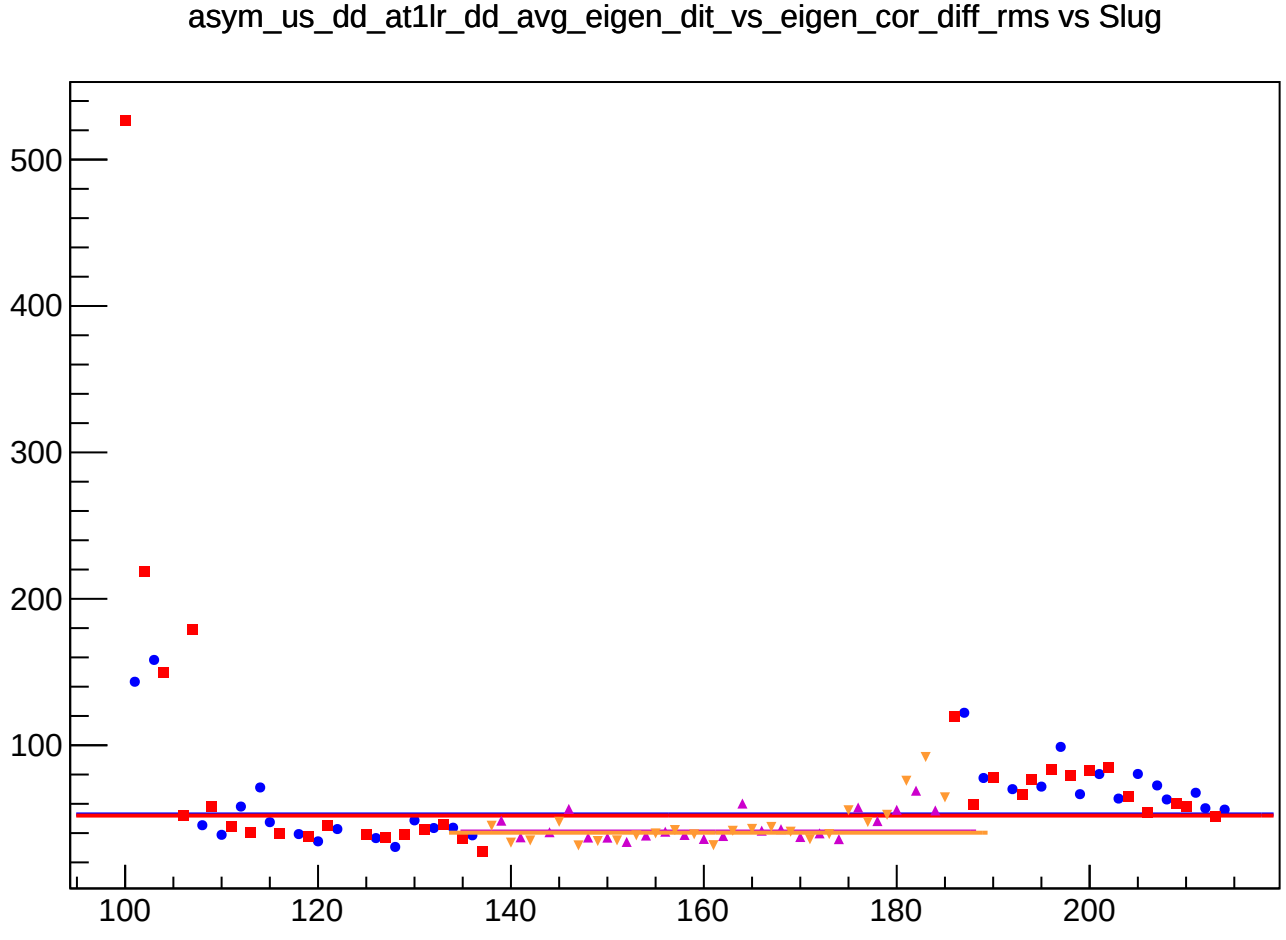
Right Out: 0.008+/-0.014 χ^2/NDF: 34.3/31

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.001+/-0.008 χ^2/NDF: 43.2/53

All: 0.004+/-0.006 χ^2/NDF: 119.2/108

- sign 0.006+/-0.008 χ^2/NDF: 75.8/54



Right In: 52.759+/-0.010 χ^2/NDF: 3577183.4/29

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

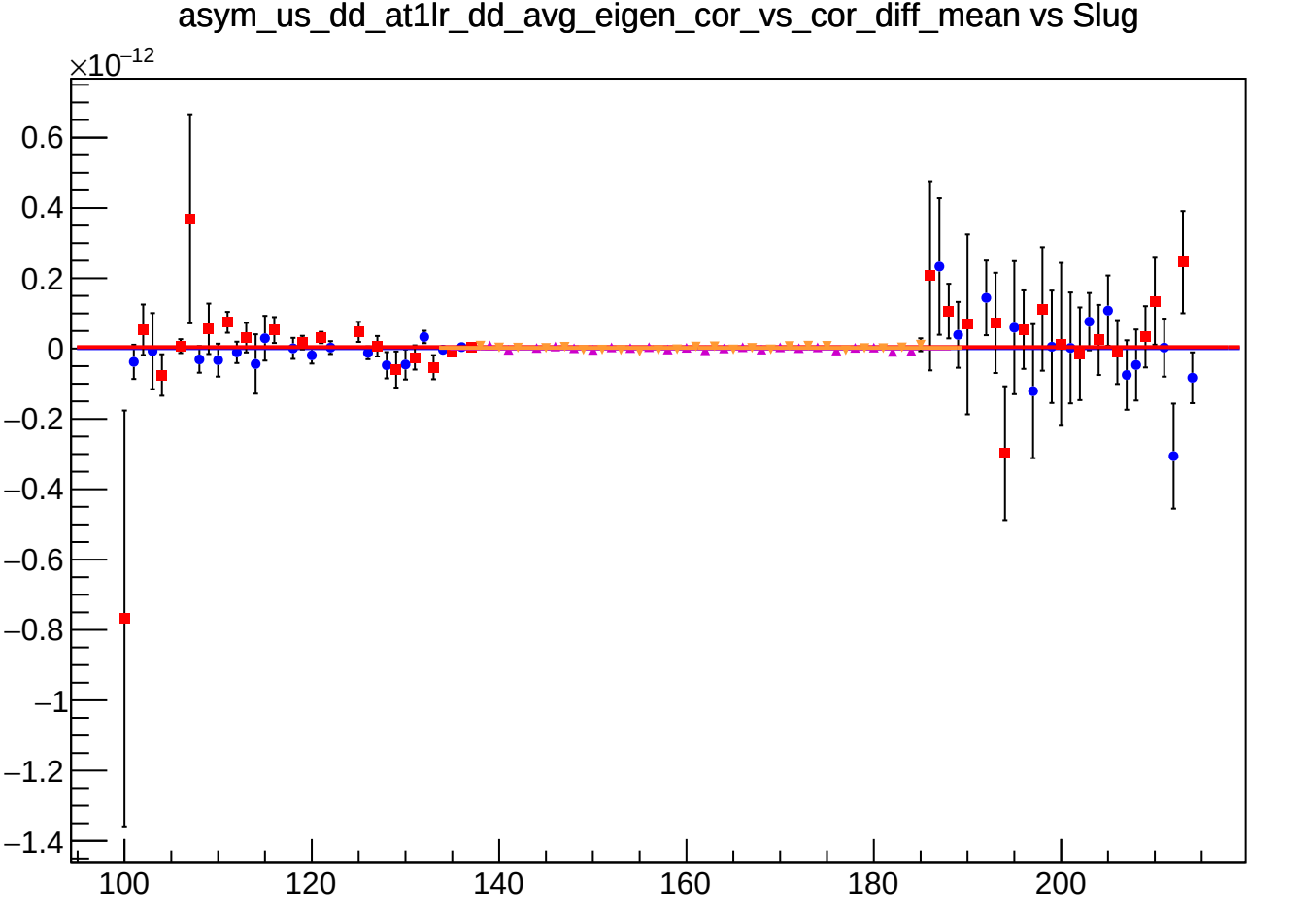
Right Out: 51.969+/-0.010 χ^2/NDF: 3573159.0/31

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 44.663+/-0.006 χ^2/NDF: 6084461.3/53

All: 44.827+/-0.004 χ^2/NDF: 11349557.2/108

- sign 44.994+/-0.006 χ^2/NDF: 5263543.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

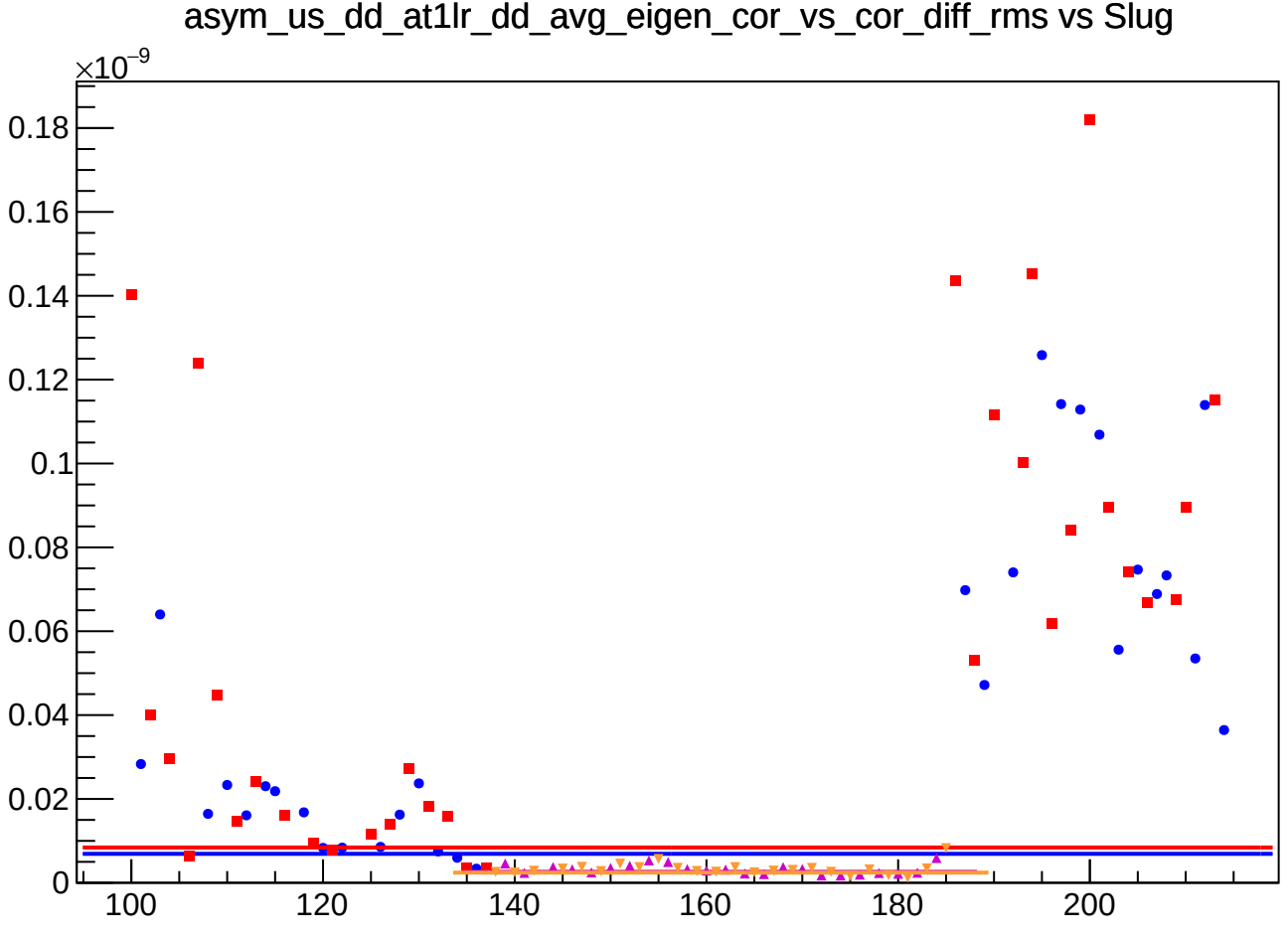
Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/31

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.1/53

All: 0.000+/-0.000 χ^2/NDF: 112.3/108

- sign 0.000+/-0.000 χ^2/NDF: 62.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 13225285.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14617694.8/31

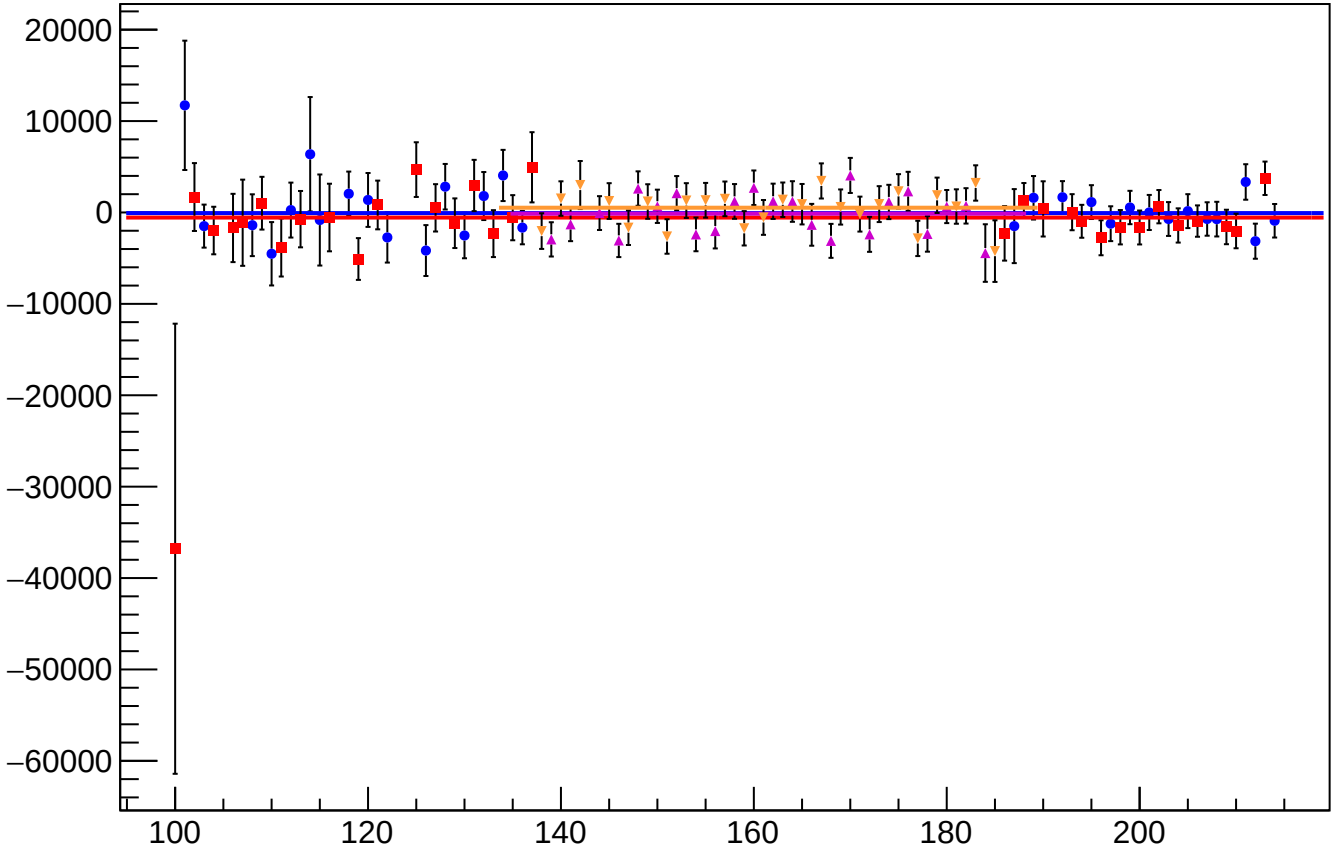
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 18567217.2/53

All: 0.000+/-0.000 χ^2/NDF: 38144688.7/108

- sign 0.000+/-0.000 χ^2/NDF: 19524098.0/54

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -66.692+/-419.593 χ^2/NDF: 24.6/29

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -557.589+/-419.543 χ^2/NDF: 26.6/31

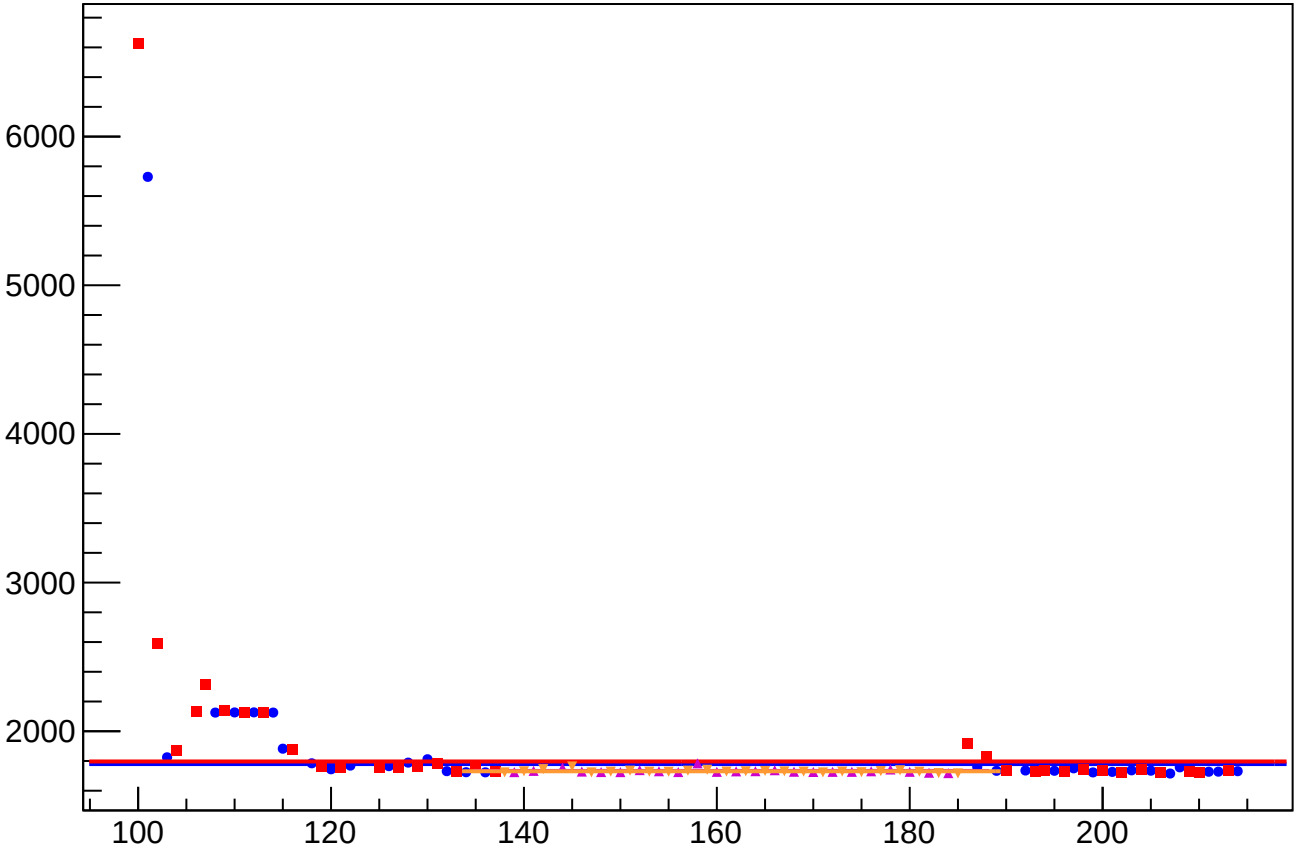
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 239.389+/-290.166 χ^2/NDF: 46.4/53

All: -46.242+/-205.559 χ^2/NDF: 105.0/108

- sign -334.004+/-291.246 χ^2/NDF: 56.6/54

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1779.307+/-0.297 χ^2/NDF: 719018.0/29

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

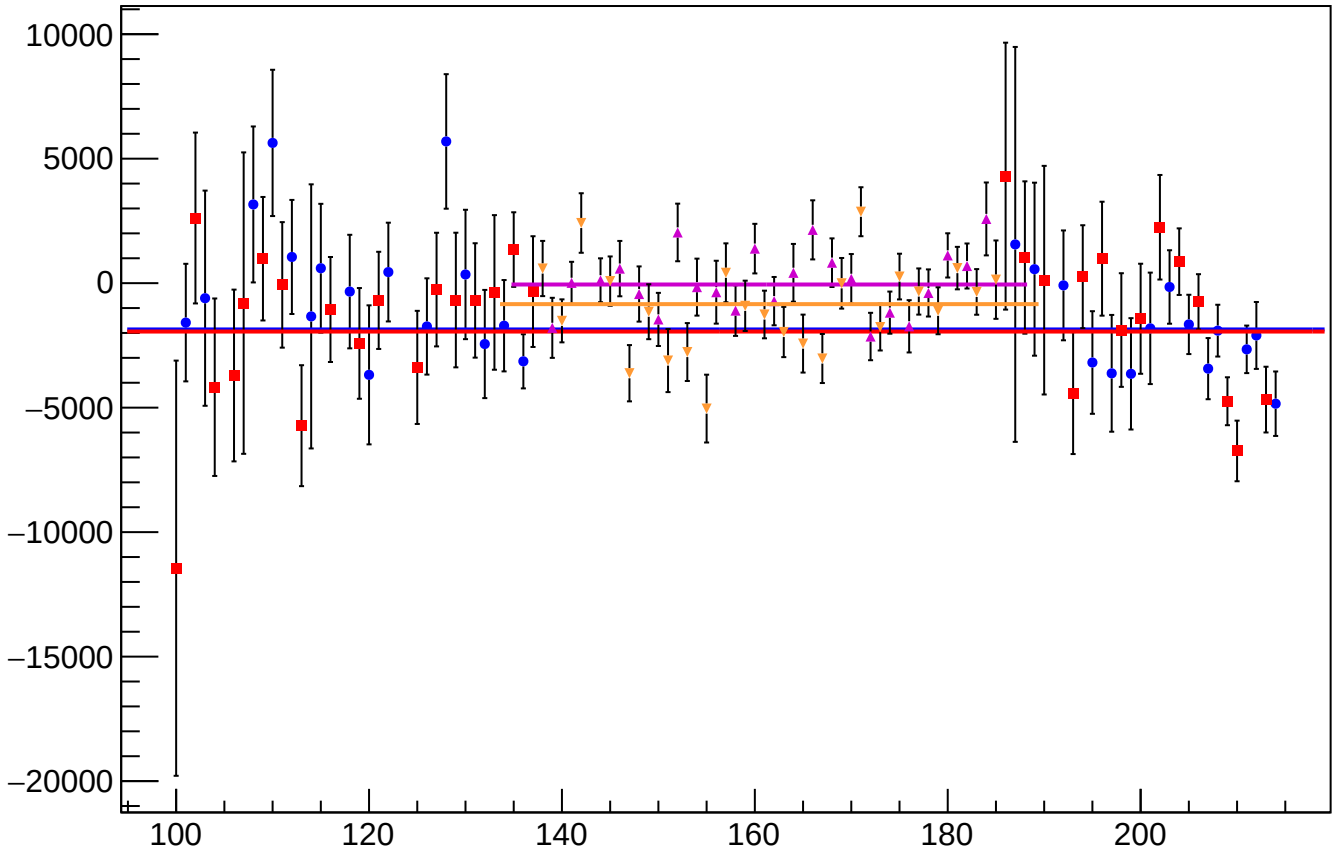
Right Out: 1796.716+/-0.297 χ^2/NDF: 319956.5/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1754.022+/-0.205 χ^2/NDF: 733907.2/53

All: 1758.848+/-0.145 χ^2/NDF: 1081104.9/10

- sign 1763.709+/-0.206 χ^2/NDF: 346087.3/54



Right In: -1859.128+/-325.673 χ^2/NDF: 35.9/29

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -1943.430+/-352.820 χ^2/NDF: 60.0/31

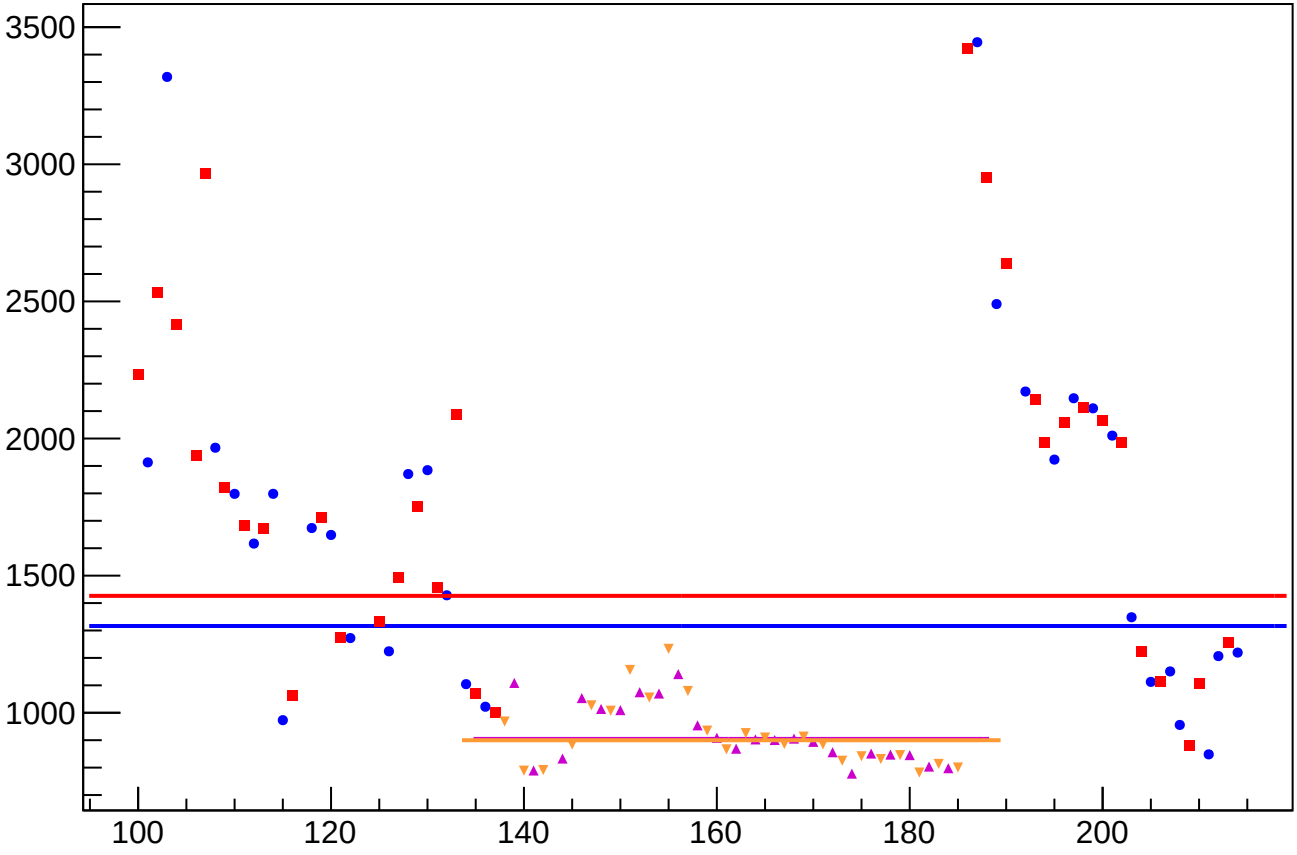
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

\+ sign -1142.731+/-176.995 χ^2/NDF: 105.5/53

All: -859.281+/-126.997 χ^2/NDF: 222.4/108

\- sign -558.500+/-182.326 χ^2/NDF: 111.6/54

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1316.395+/-0.230 χ^2/NDF: 3607820.1/29

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1426.284+/-0.249 χ^2/NDF: 3951796.4/31

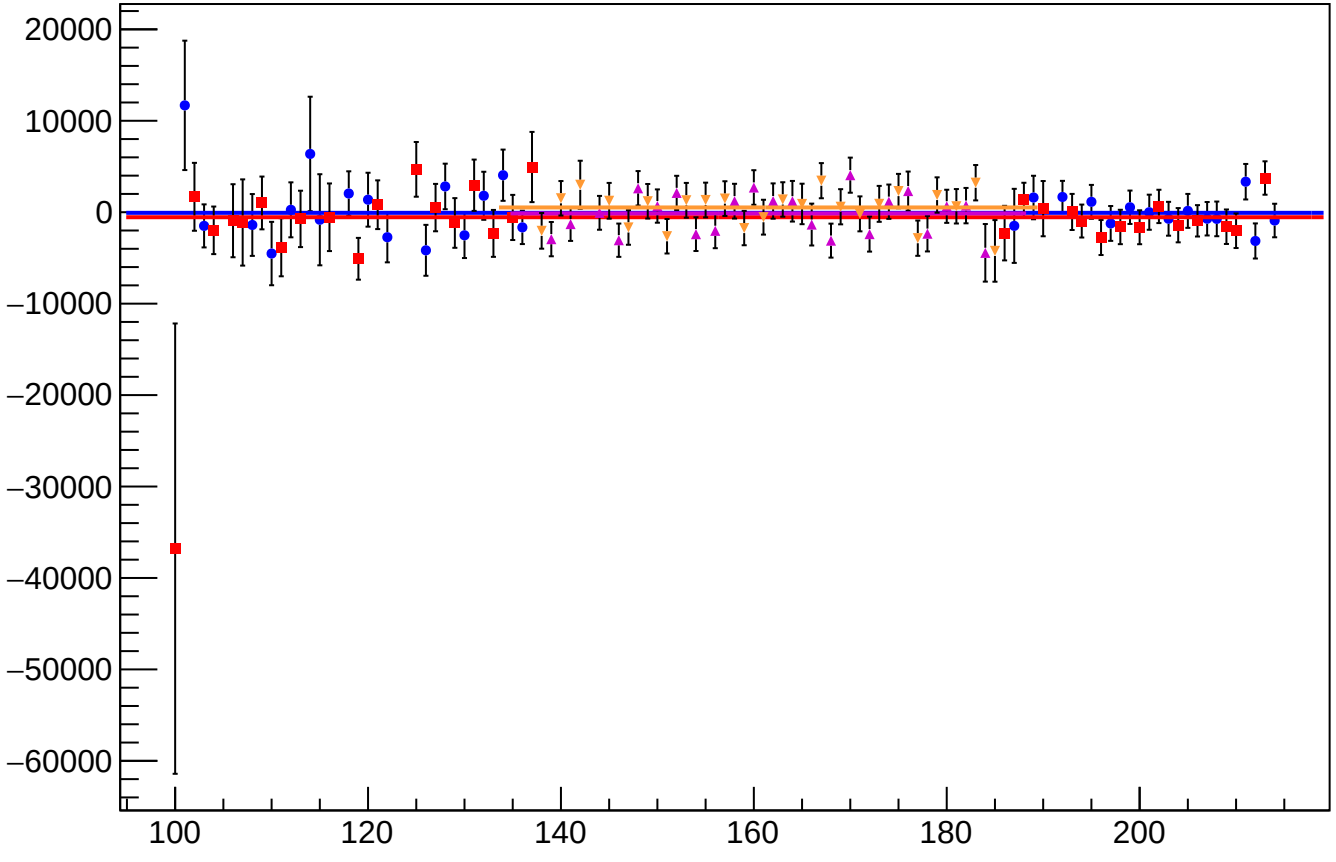
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1022.855+/-0.125 χ^2/NDF: 6409024.4/53

All: 1033.093+/-0.090 χ^2/NDF: 14031080.9/1

- sign 1043.956+/-0.129 χ^2/NDF: 7608265.3/54

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -67.024+/-419.593 χ^2/NDF: 24.6/29

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -547.462+/-419.875 χ^2/NDF: 26.5/31

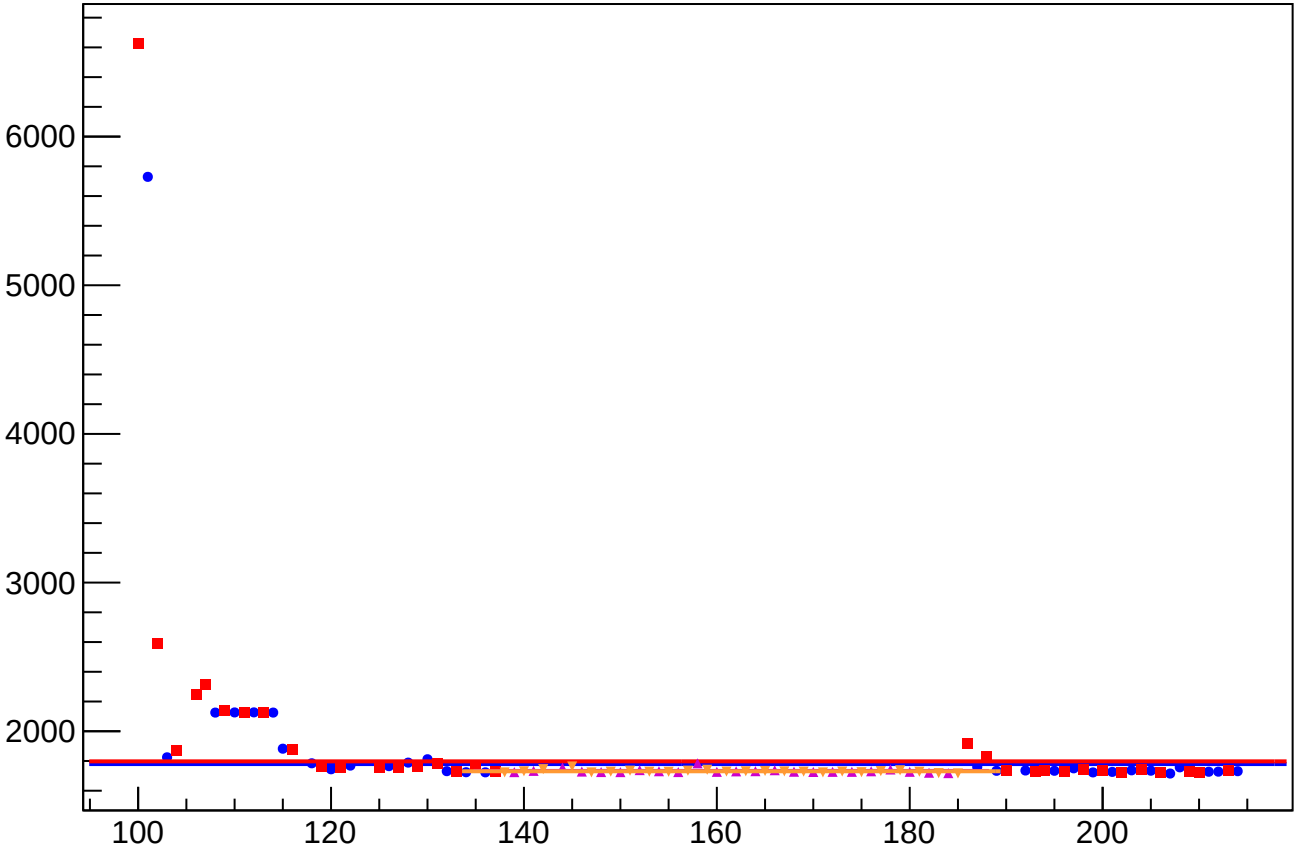
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 239.245+/-290.166 χ^2/NDF: 46.4/53

All: -43.708+/-205.598 χ^2/NDF: 104.8/108

- sign -328.988+/-291.357 χ^2/NDF: 56.5/54

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1779.307+/-0.297 χ^2/NDF: 719017.9/29

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

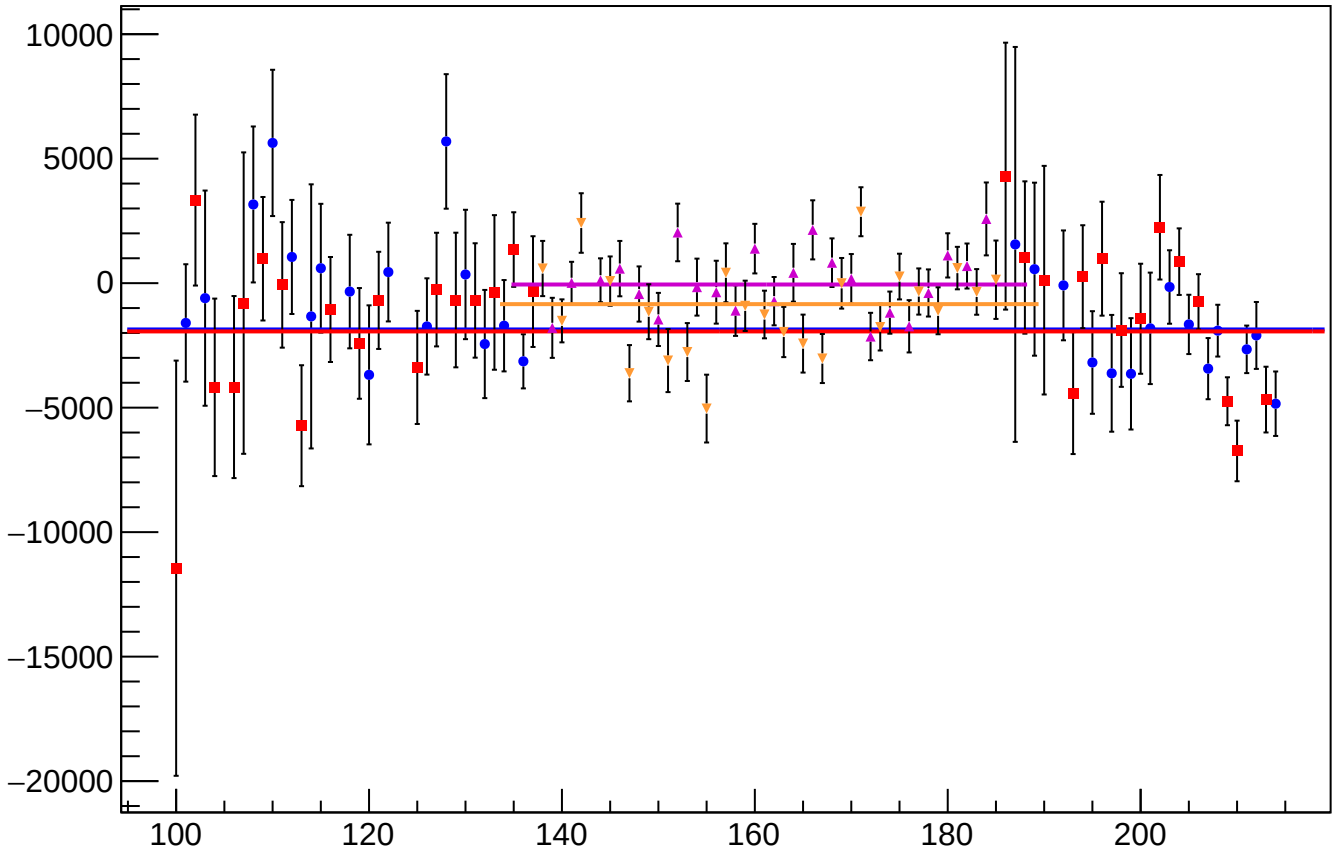
Right Out: 1797.474+/-0.297 χ^2/NDF: 329455.6/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1754.022+/-0.205 χ^2/NDF: 733907.1/53

All: 1759.015+/-0.145 χ^2/NDF: 1091234.6/10

- sign 1764.049+/-0.206 χ^2/NDF: 356138.3/54



Right In: -1859.363+/-325.664 χ^2/NDF: 35.9/29

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: -1938.163+/-353.021 χ^2/NDF: 60.7/31

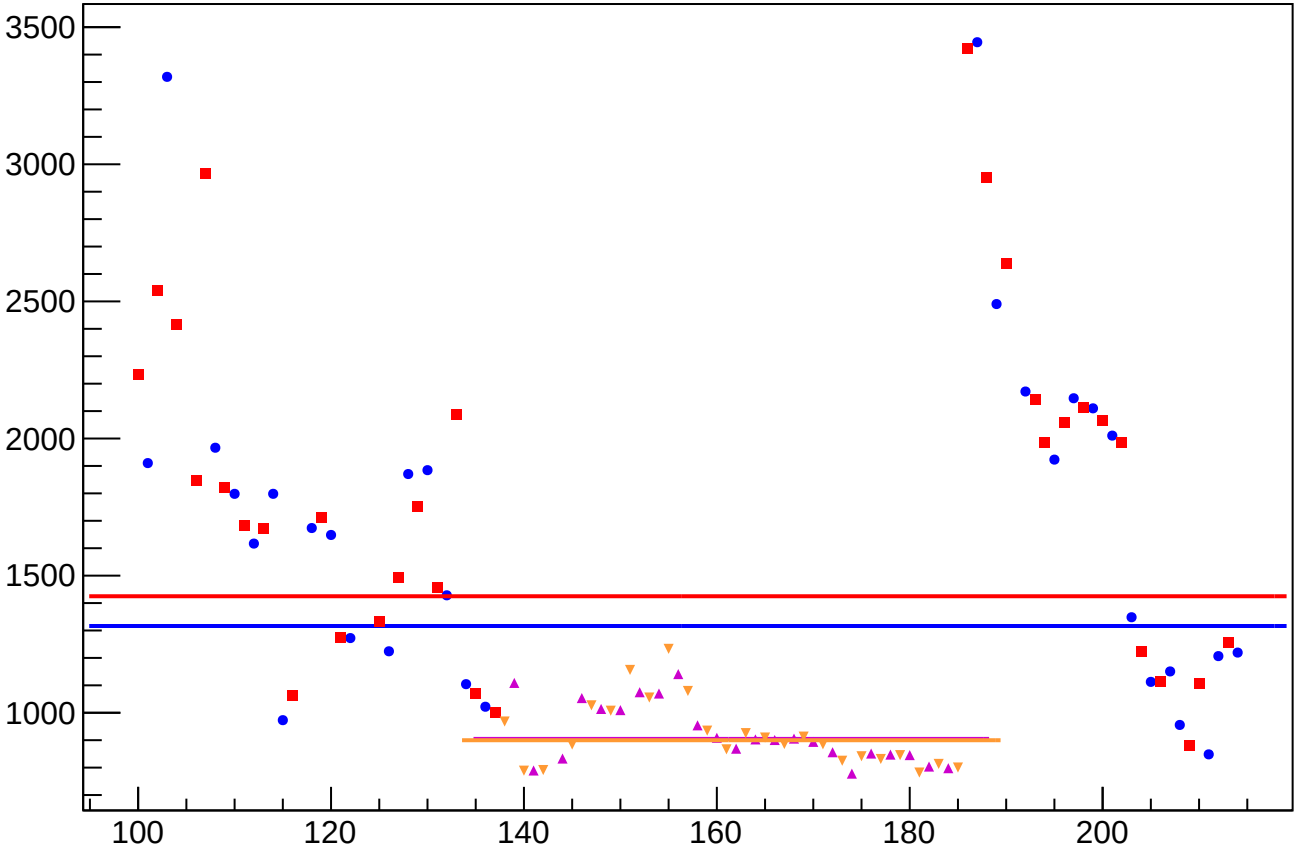
Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1142.838+/-176.994 χ^2/NDF: 105.5/53

All: -858.503+/-127.006 χ^2/NDF: 223.0/108

- sign -556.687+/-182.353 χ^2/NDF: 112.2/54

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug



Right In: 1316.371+/-0.230 χ^2/NDF: 3607143.1/29

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

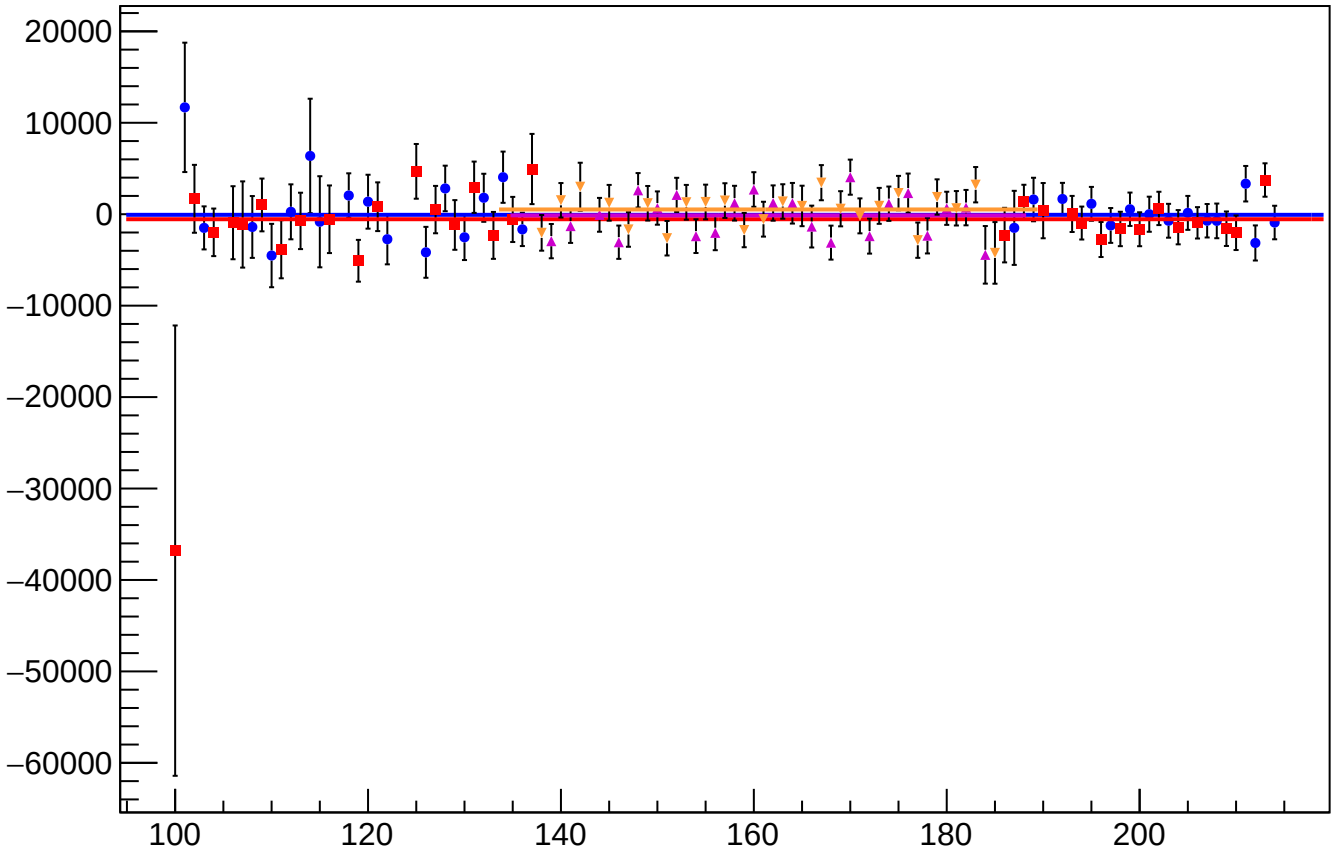
Right Out: 1424.863+/-0.250 χ^2/NDF: 3935973.8/31

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1022.855+/-0.125 χ^2/NDF: 6408078.9/53

All: 1032.849+/-0.090 χ^2/NDF: 13993614.3/1

- sign 1043.457+/-0.129 χ^2/NDF: 7572390.5/54



Right In: -67.024+/-419.593 χ^2/NDF: 24.6/29

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -547.462+/-419.875 χ^2/NDF: 26.5/31

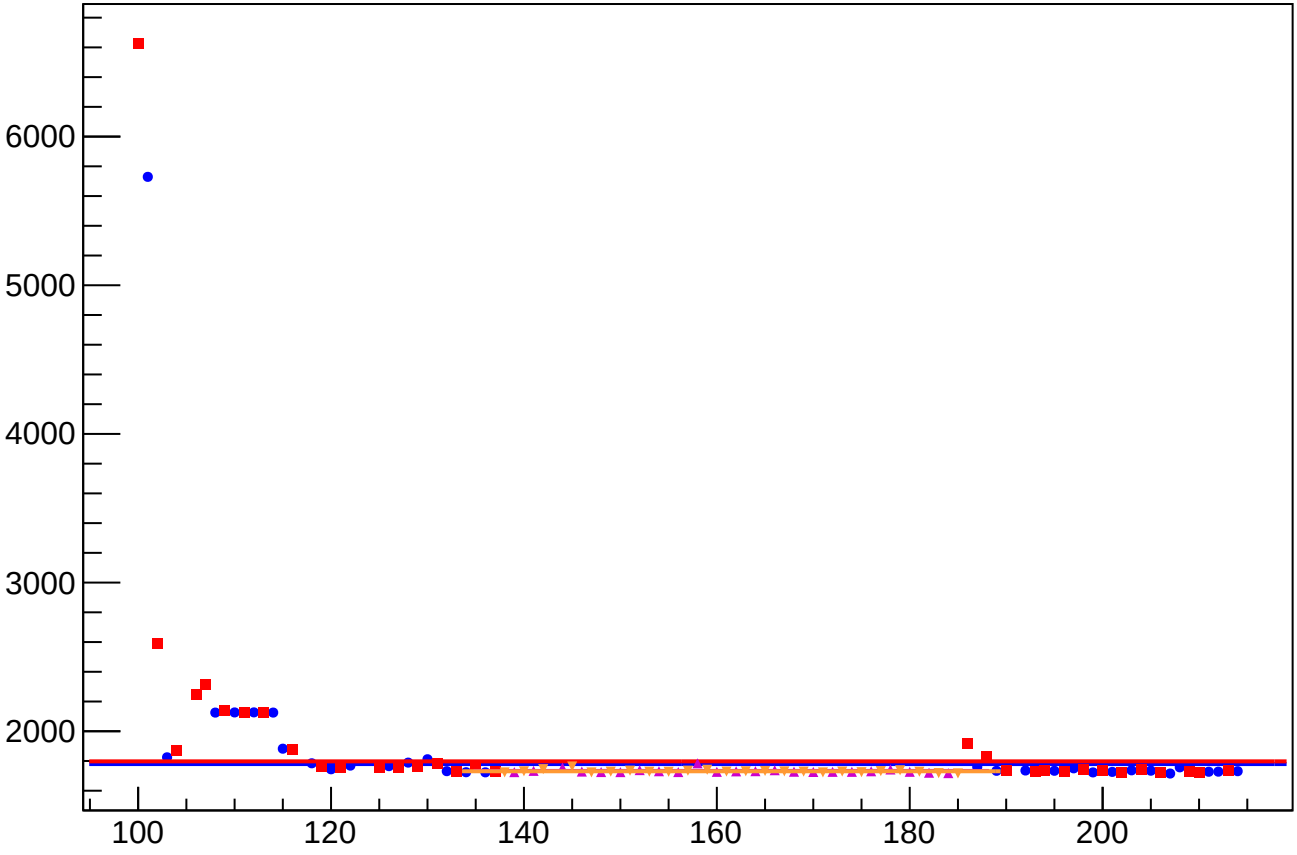
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 239.245+/-290.166 χ^2/NDF: 46.4/53

All: -43.708+/-205.598 χ^2/NDF: 104.8/108

- sign -328.988+/-291.357 χ^2/NDF: 56.5/54

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1779.307+/-0.297 χ^2/NDF: 719017.9/29

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

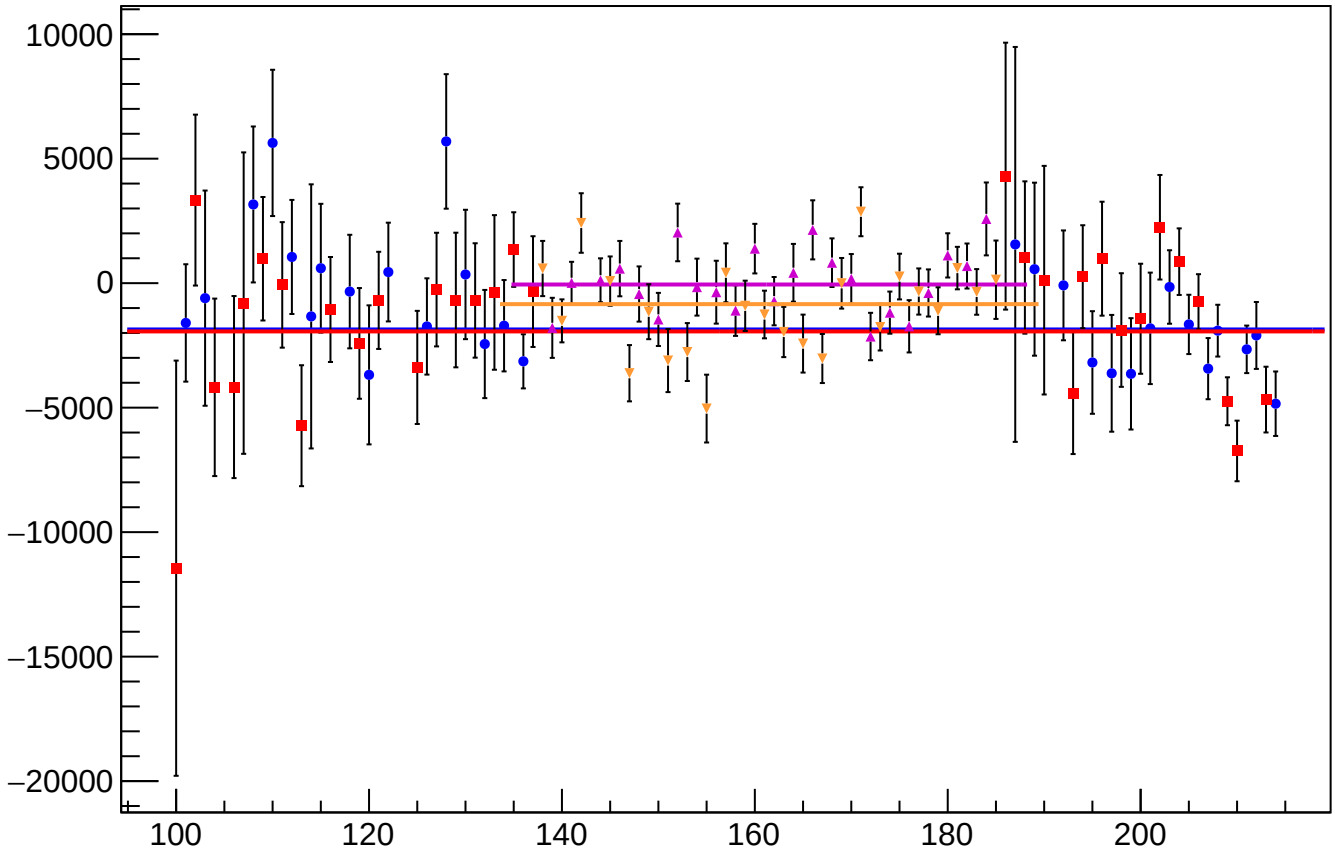
Right Out: 1797.474+/-0.297 χ^2/NDF: 329455.6/31

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1754.022+/-0.205 χ^2/NDF: 733907.1/53

All: 1759.015+/-0.145 χ^2/NDF: 1091234.6/10

- sign 1764.049+/-0.206 χ^2/NDF: 356138.3/54



Right In: -1859.363+/-325.664 χ^2/NDF: 35.9/29

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

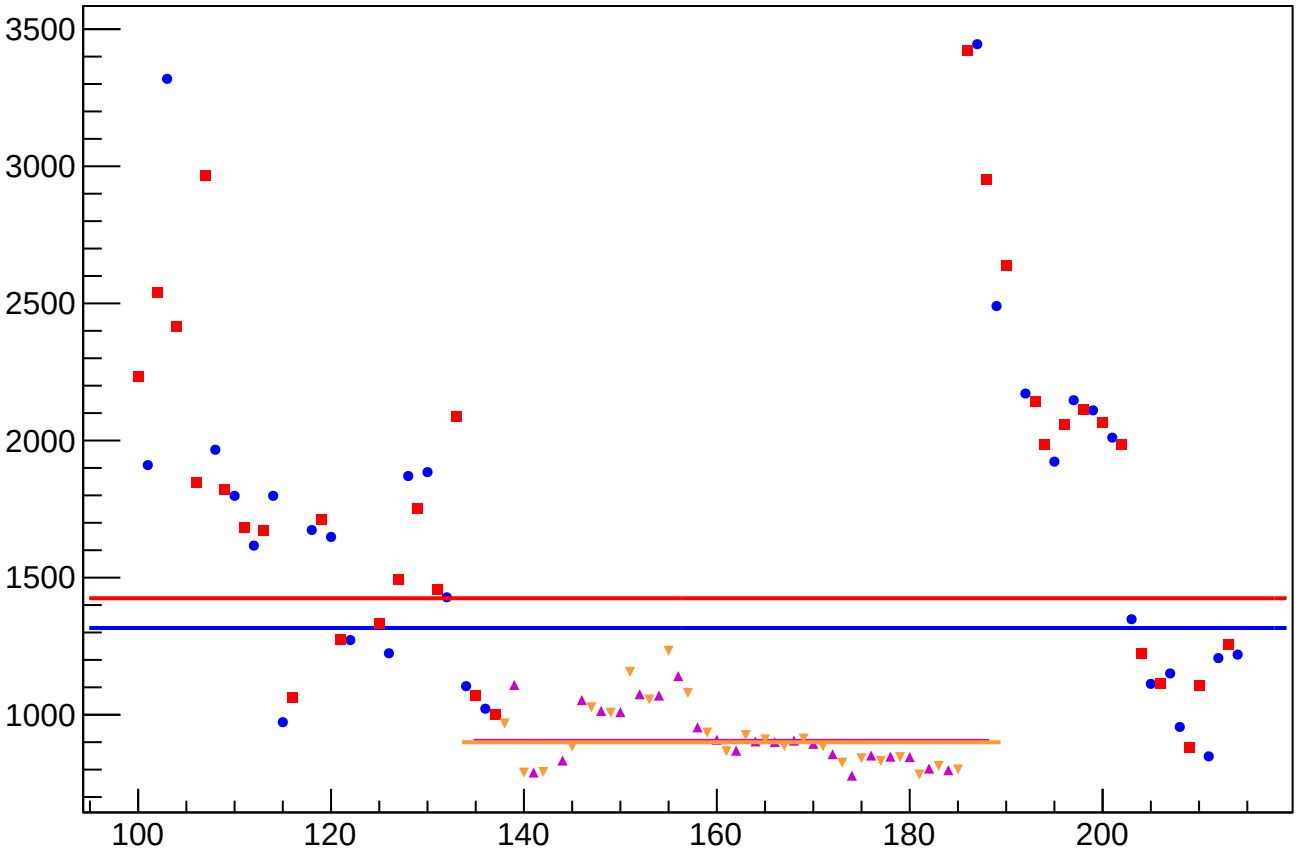
Right Out: -1938.163+/-353.021 χ^2/NDF: 60.7/31

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1142.838+/-176.994 χ^2/NDF: 105.5/53

All: -858.503+/-127.006 χ^2/NDF: 223.0/108

- sign -556.687+/-182.353 χ^2/NDF: 112.2/54



Right In: 1316.371+/-0.230 χ^2/NDF: 3607143.1/29

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1424.863+/-0.250 χ^2/NDF: 3935973.8/31

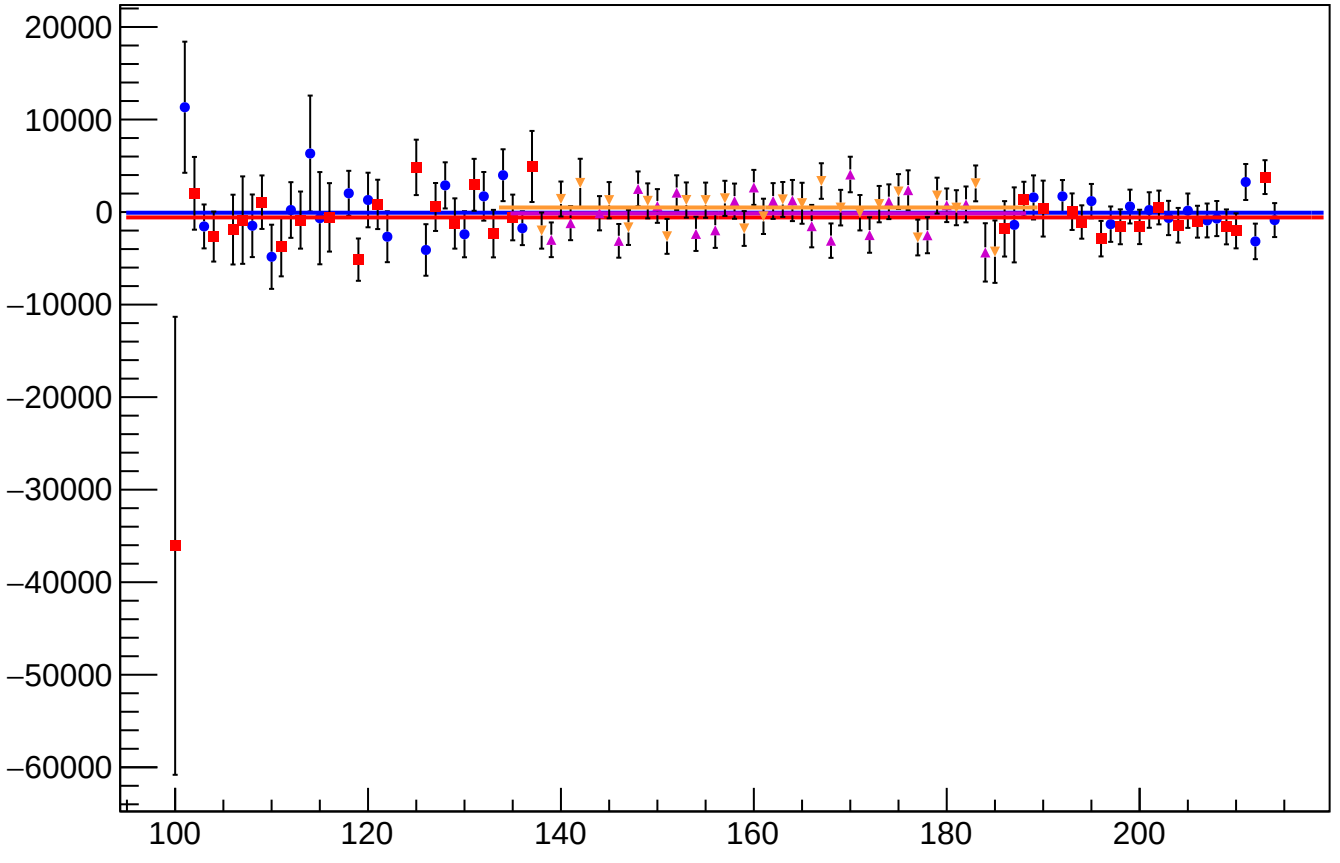
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1022.855+/-0.125 χ^2/NDF: 6408078.9/53

All: 1032.849+/-0.090 χ^2/NDF: 13993614.3/1

- sign 1043.457+/-0.129 χ^2/NDF: 7572390.5/54

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -70.155+/-420.025 χ^2/NDF: 24.5/29

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -578.206+/-420.722 χ^2/NDF: 27.2/31

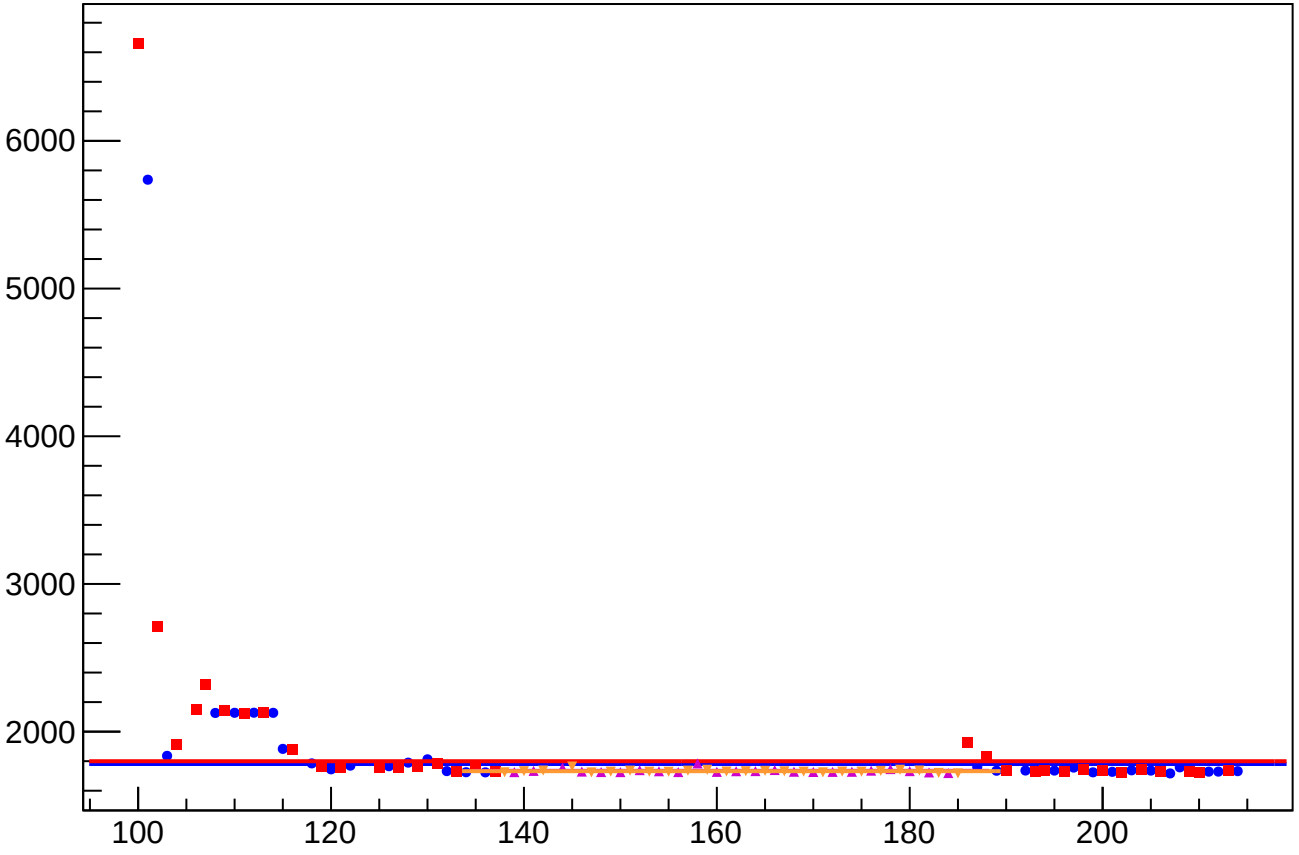
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 224.707+/-290.446 χ^2/NDF: 45.5/53

All: -60.979+/-205.845 χ^2/NDF: 104.7/108

- sign -349.286+/-291.776 χ^2/NDF: 57.3/54

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1781.022+/-0.297 χ^2/NDF: 719465.5/29

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

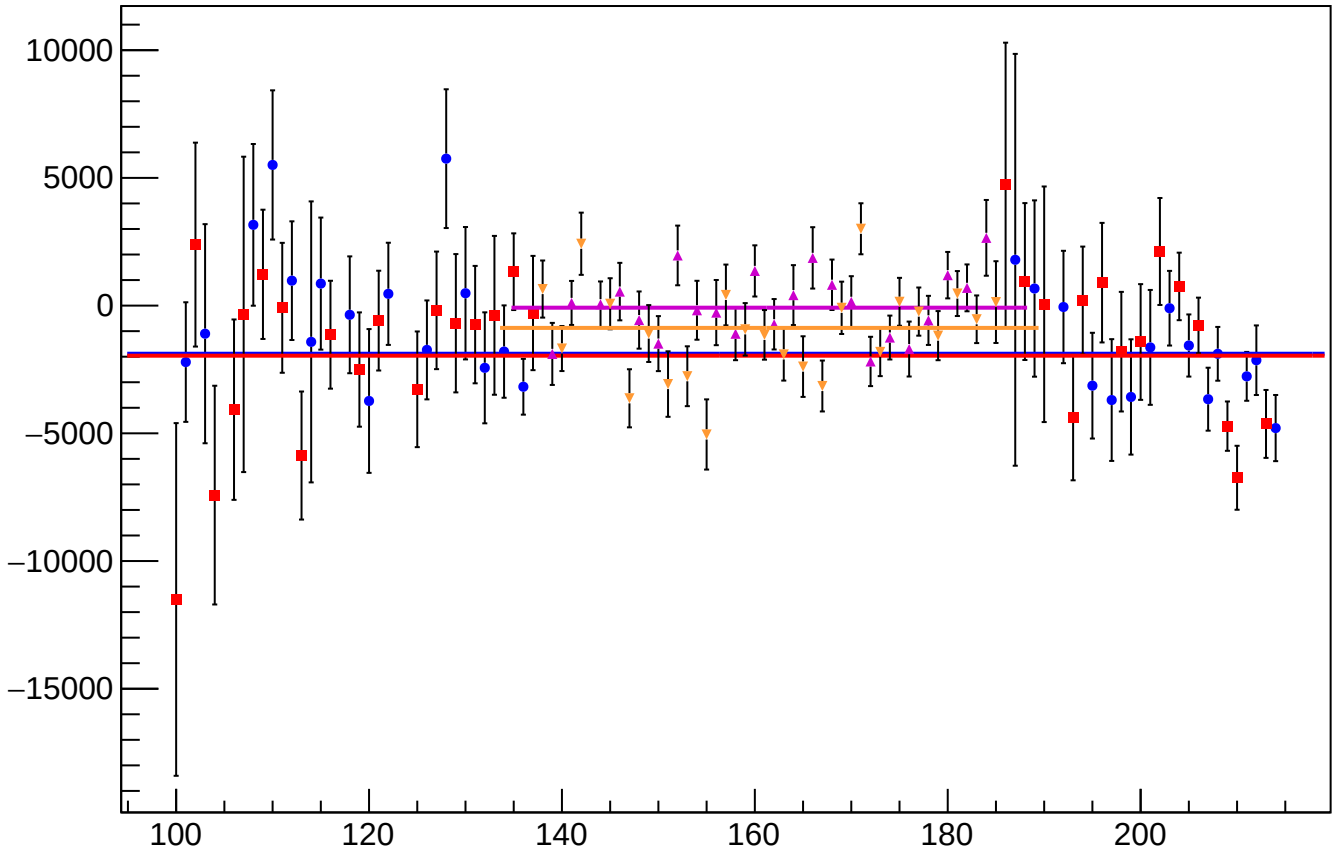
Right Out: 1799.725+/-0.297 χ^2/NDF: 340223.2/31

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1755.644+/-0.205 χ^2/NDF: 734368.2/53

All: 1760.751+/-0.146 χ^2/NDF: 1102947.3/10

- sign 1765.906+/-0.206 χ^2/NDF: 367336.4/54



Right In: -1884.125+/-327.240 χ^2/NDF: 36.7/29

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -1960.550+/-355.578 χ^2/NDF: 59.5/31

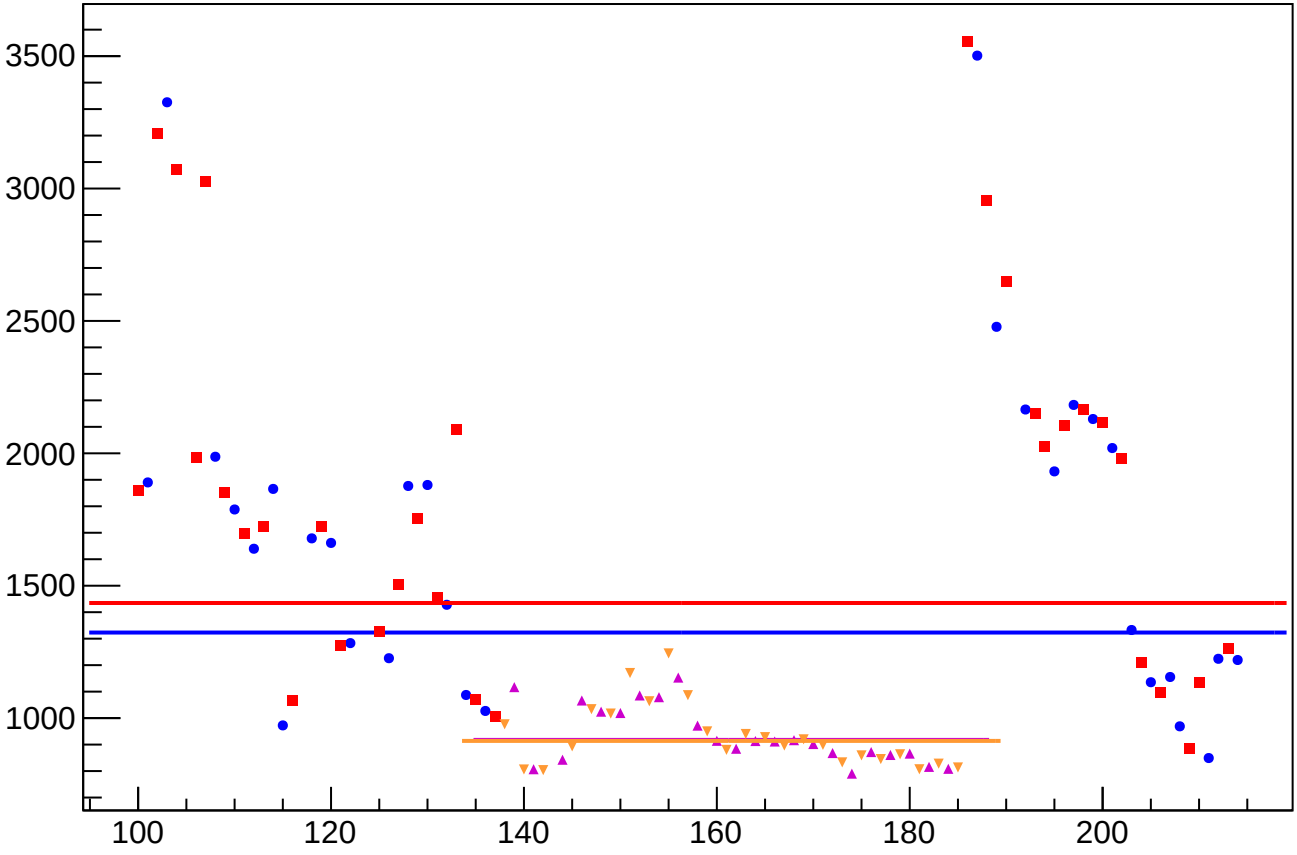
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

\+ sign -1175.778+/-179.107 χ^2/NDF: 105.3/53

All: -890.548+/-128.530 χ^2/NDF: 220.4/108

\- sign -587.706+/-184.554 χ^2/NDF: 109.9/54

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1323.141+/-0.231 χ^2/NDF: 3598659.9/29

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

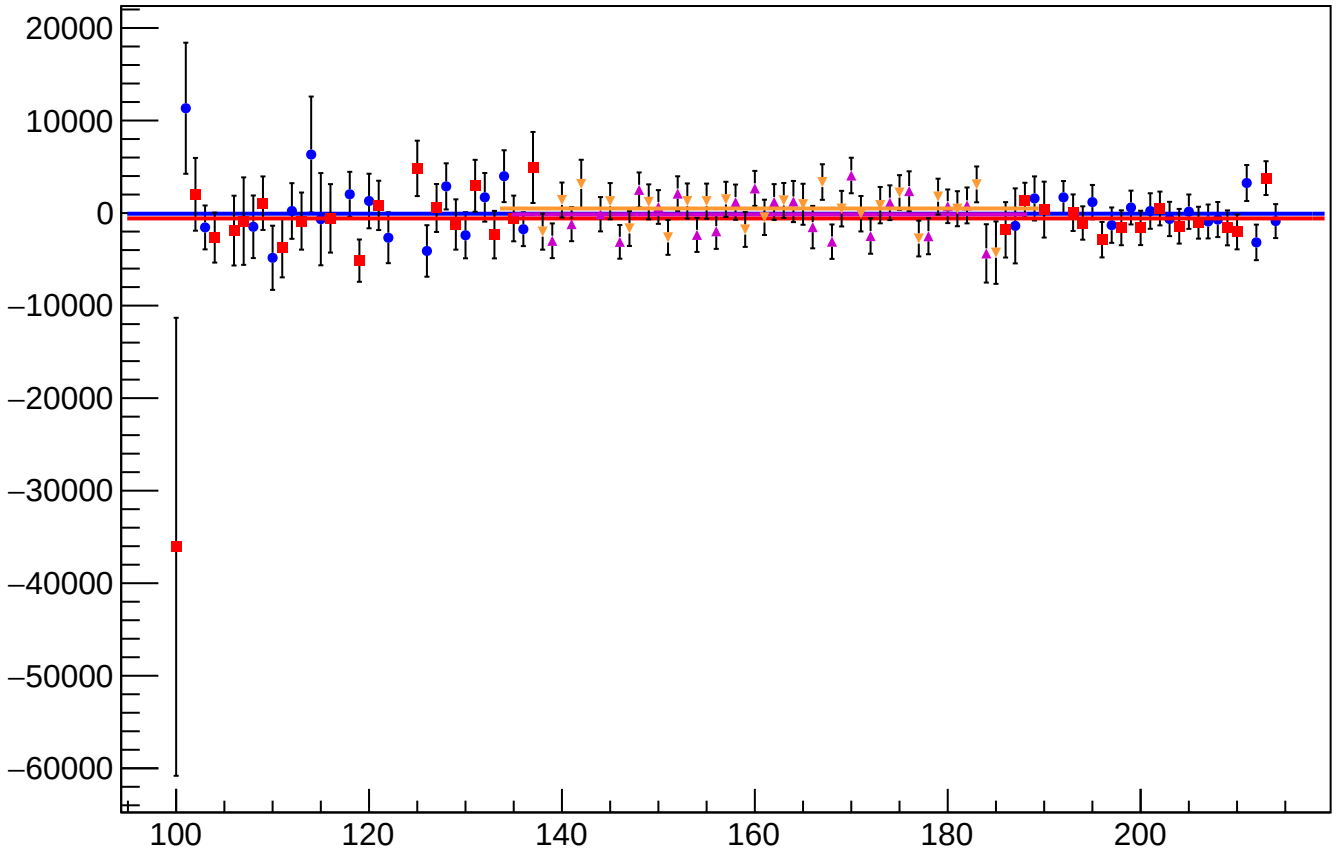
Right Out: 1434.742+/-0.251 χ^2/NDF: 4371457.9/31

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1036.494+/-0.127 χ^2/NDF: 6252417.8/53

All: 1046.423+/-0.091 χ^2/NDF: 14156947.5/1

- sign 1056.966+/-0.130 χ^2/NDF: 7891856.2/54



Right In: -70.153+/-420.025 χ^2/NDF: 24.5/29

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -578.204+/-420.722 χ^2/NDF: 27.2/31

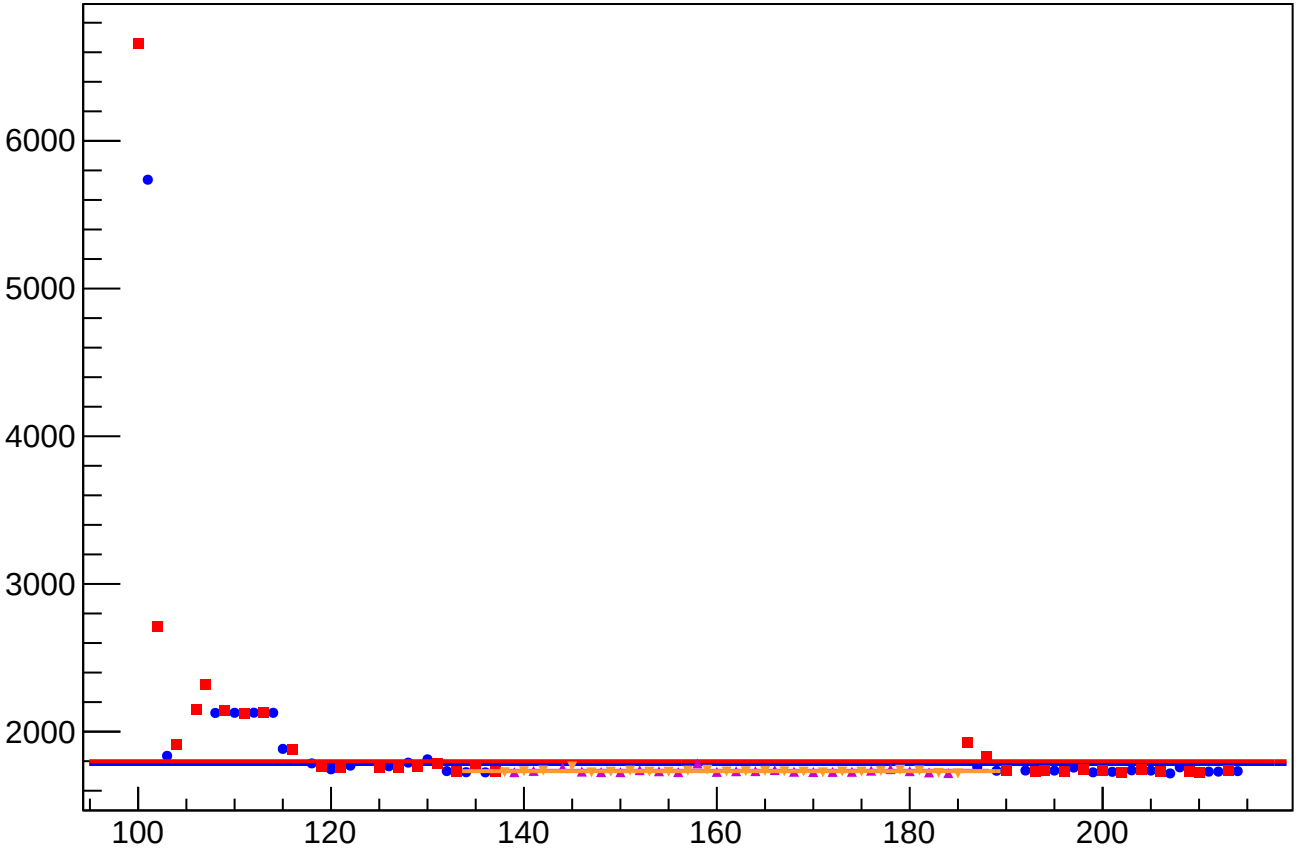
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 224.708+/-290.446 χ^2/NDF: 45.5/53

All: -60.978+/-205.845 χ^2/NDF: 104.7/108

- sign -349.286+/-291.776 χ^2/NDF: 57.3/54

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1781.022+/-0.297 χ^2/NDF: 719465.4/29

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

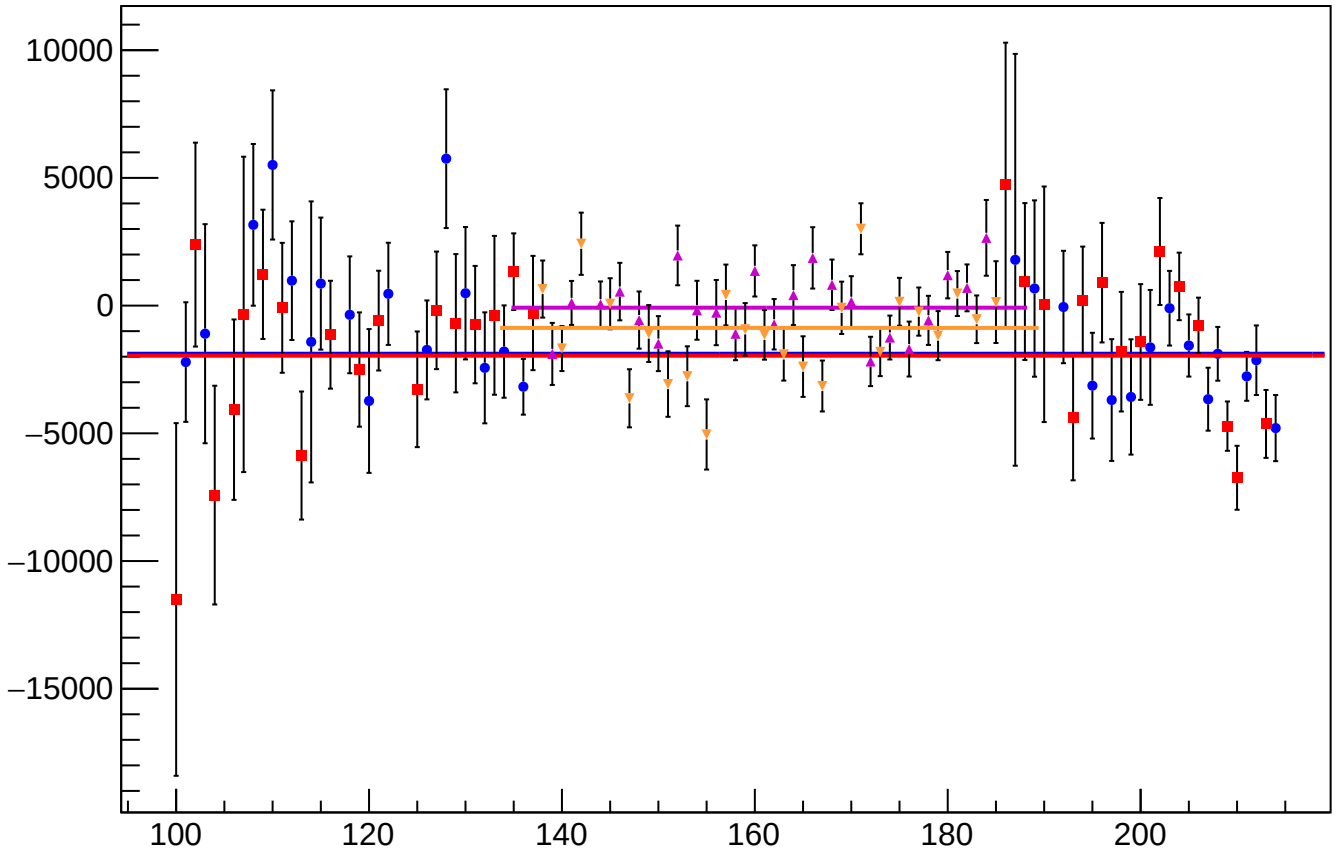
Right Out: 1799.725+/-0.297 χ^2/NDF: 340222.9/31

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1755.644+/-0.205 χ^2/NDF: 734368.1/53

All: 1760.751+/-0.146 χ^2/NDF: 1102946.9/10

- sign 1765.906+/-0.206 χ^2/NDF: 367336.1/54



Right In: -1884.121+/-327.240 χ^2/NDF: 36.7/29

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

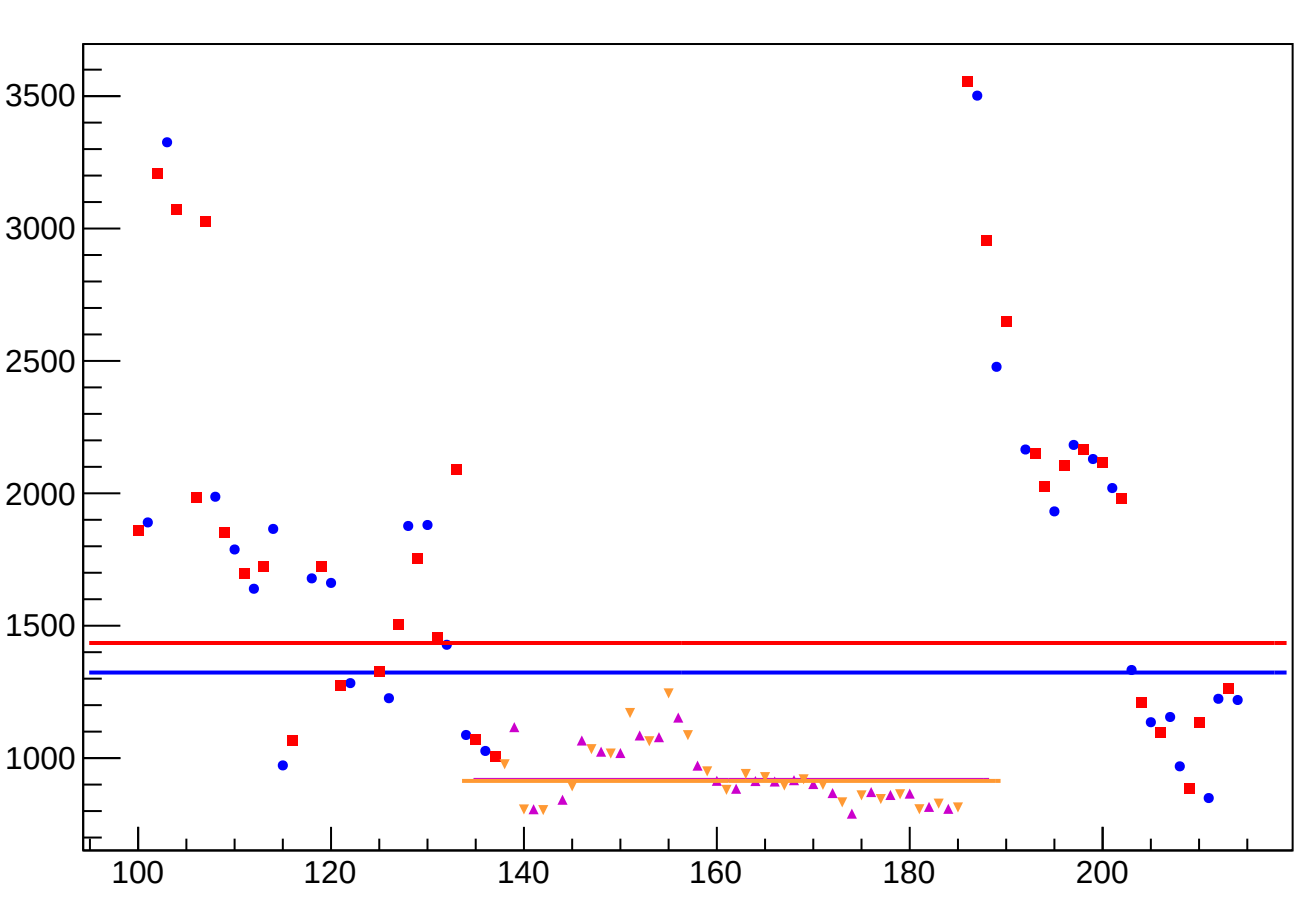
Right Out: -1960.551+/-355.577 χ^2/NDF: 59.5/31

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1175.776+/-179.107 χ^2/NDF: 105.3/53

All: -890.547+/-128.530 χ^2/NDF: 220.4/108

- sign -587.707+/-184.554 χ^2/NDF: 109.9/54



Right In: 1323.140+/-0.231 χ^2/NDF: 3598654.2/29

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1434.740+/-0.251 χ^2/NDF: 4371474.1/31

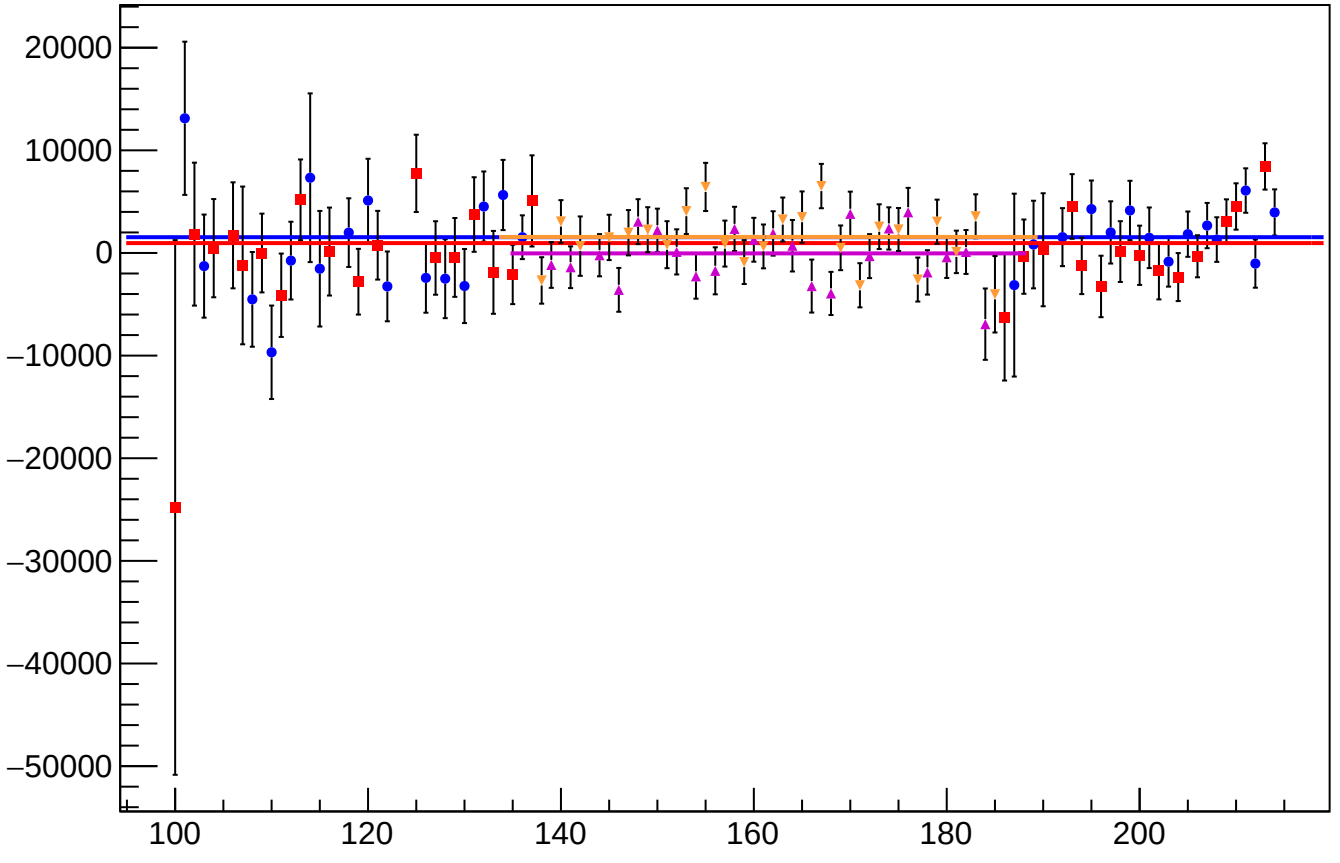
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1036.493+/-0.127 χ^2/NDF: 6252417.0/53

All: 1046.423+/-0.091 χ^2/NDF: 14156956.0/1

- sign 1056.965+/-0.130 χ^2/NDF: 7891866.0/54

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1537.305+/-561.110 χ^2/NDF: 31.0/29

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 961.582+/-581.387 χ^2/NDF: 35.4/31

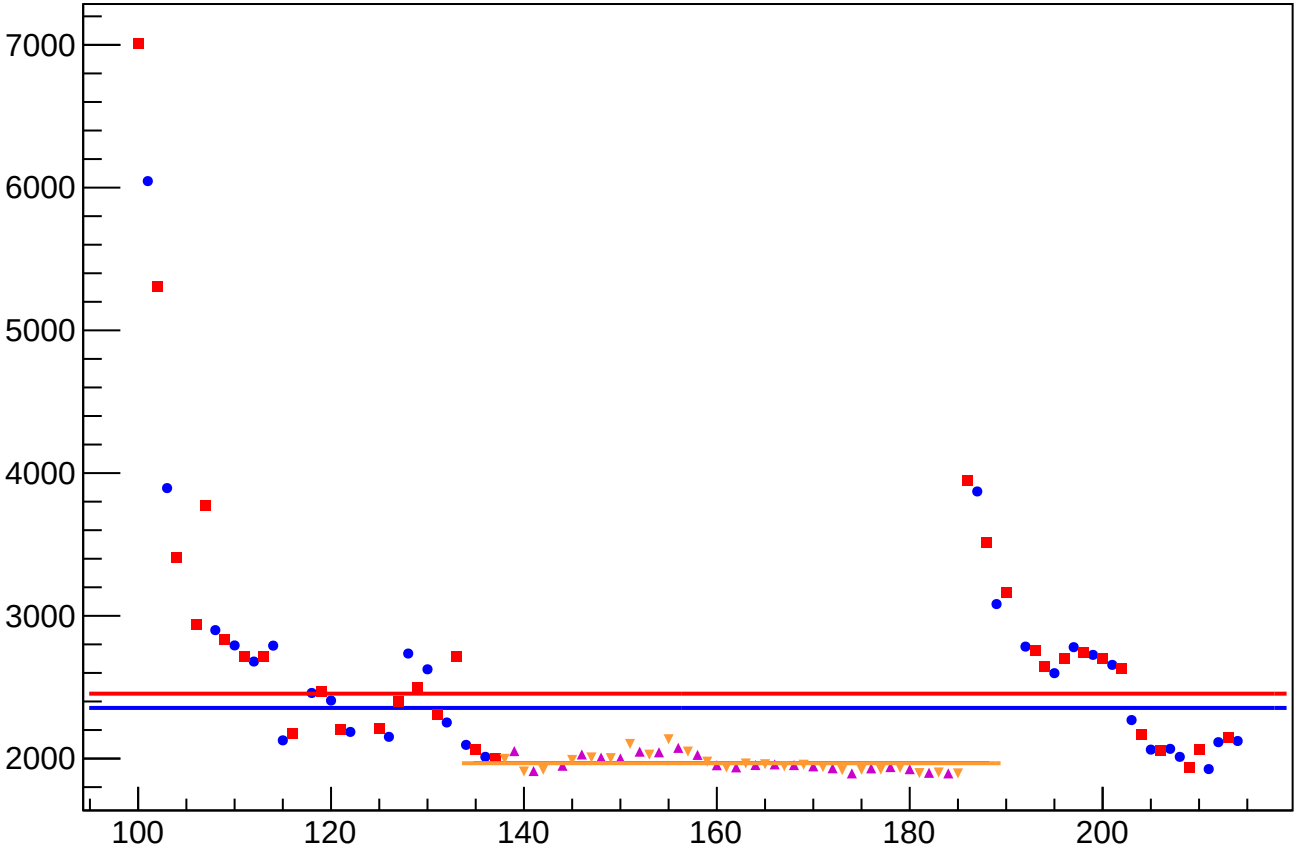
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1551.768+/-354.290 χ^2/NDF: 62.2/53

All: 959.523+/-252.760 χ^2/NDF: 133.0/108

- sign 345.615+/-360.711 χ^2/NDF: 65.1/54

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2354.794+/-0.397 χ^2/NDF: 1369440.6/29

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

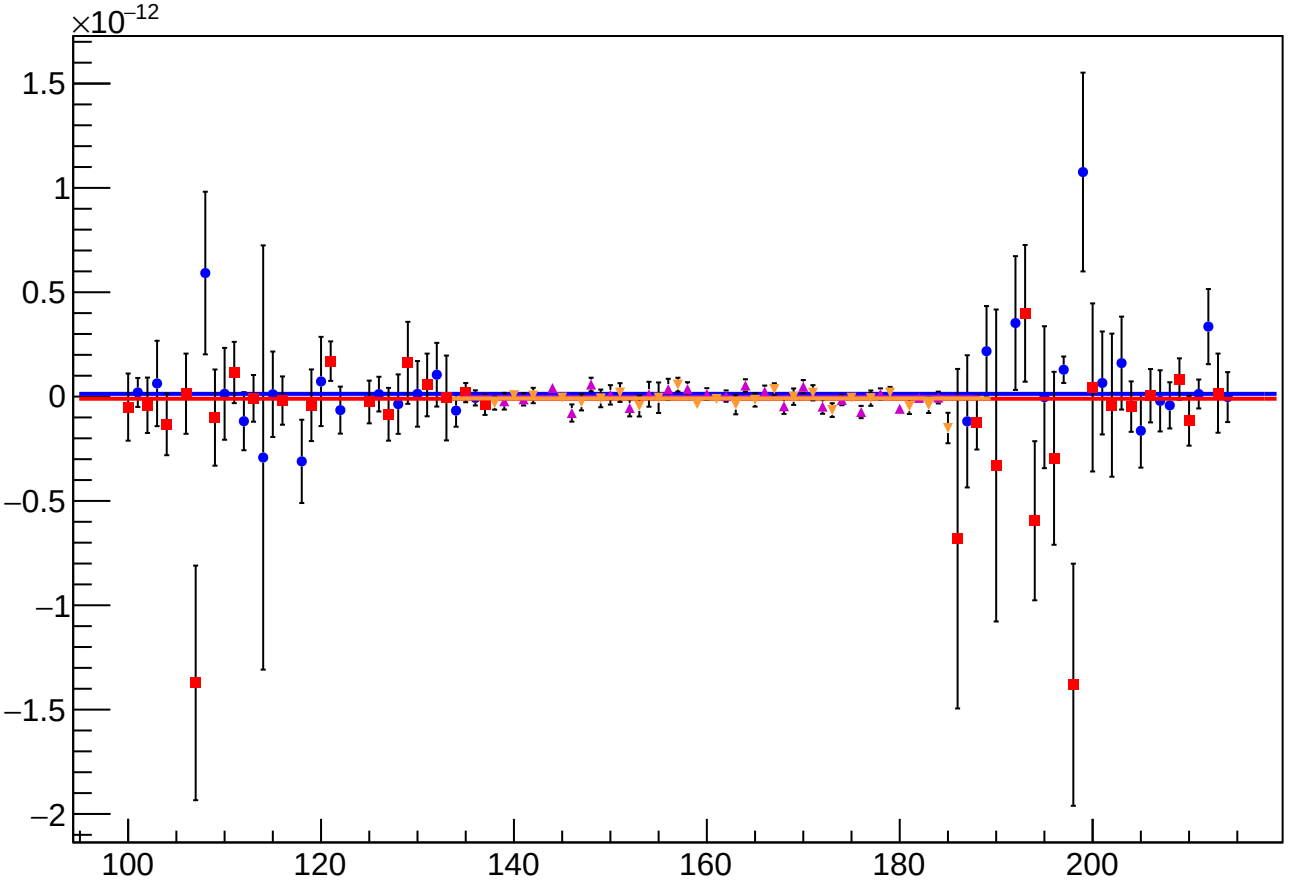
Right Out: 2454.750+/-0.411 χ^2/NDF: 1412649.4/31

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2121.854+/-0.251 χ^2/NDF: 1976866.8/53

All: 2138.619+/-0.179 χ^2/NDF: 4283791.3/10

- sign 2155.996+/-0.255 χ^2/NDF: 2297804.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

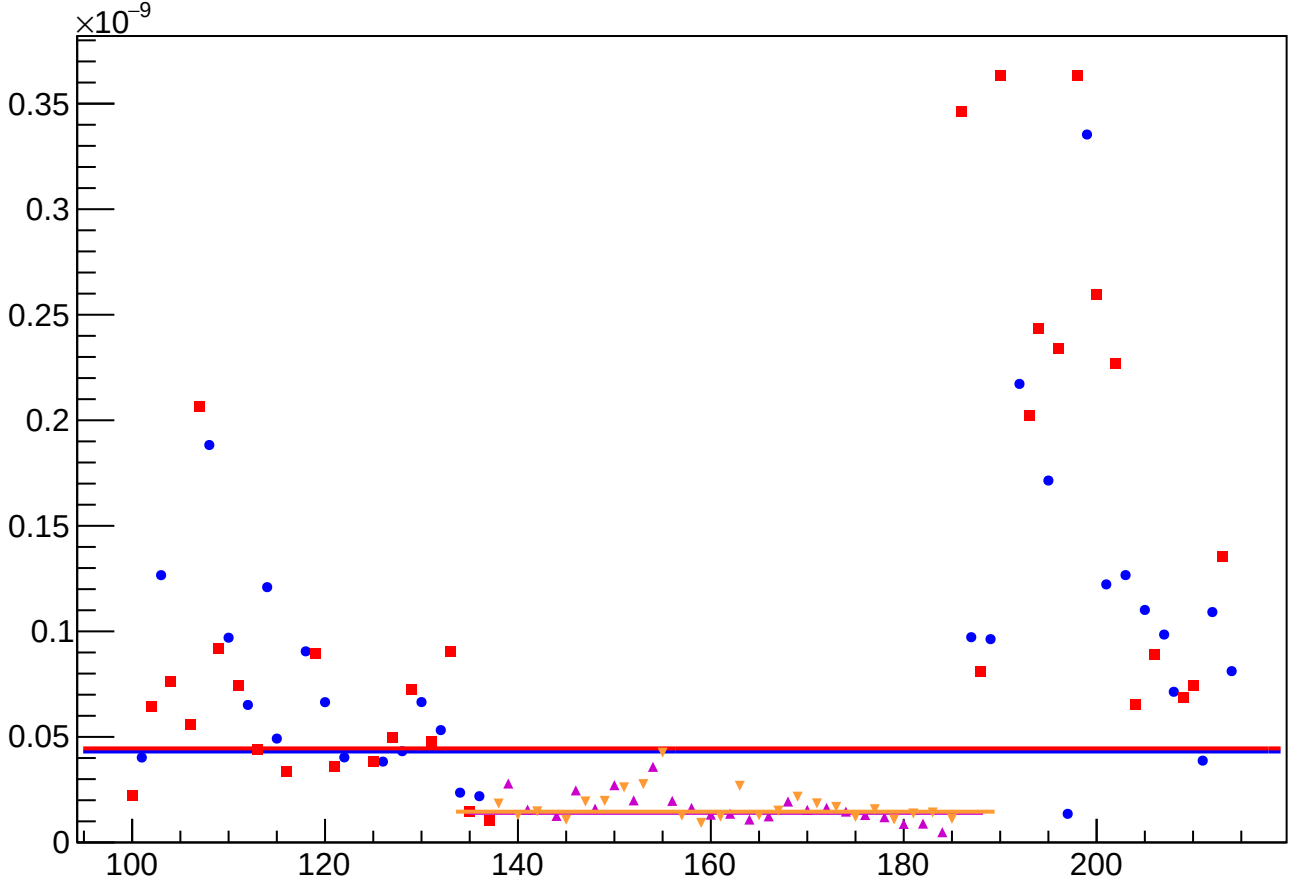
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/31

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/53

All: -0.000+/-0.000 χ^2/NDF: 111.6/108

- sign -0.000+/-0.000 χ^2/NDF: 65.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 5714836.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

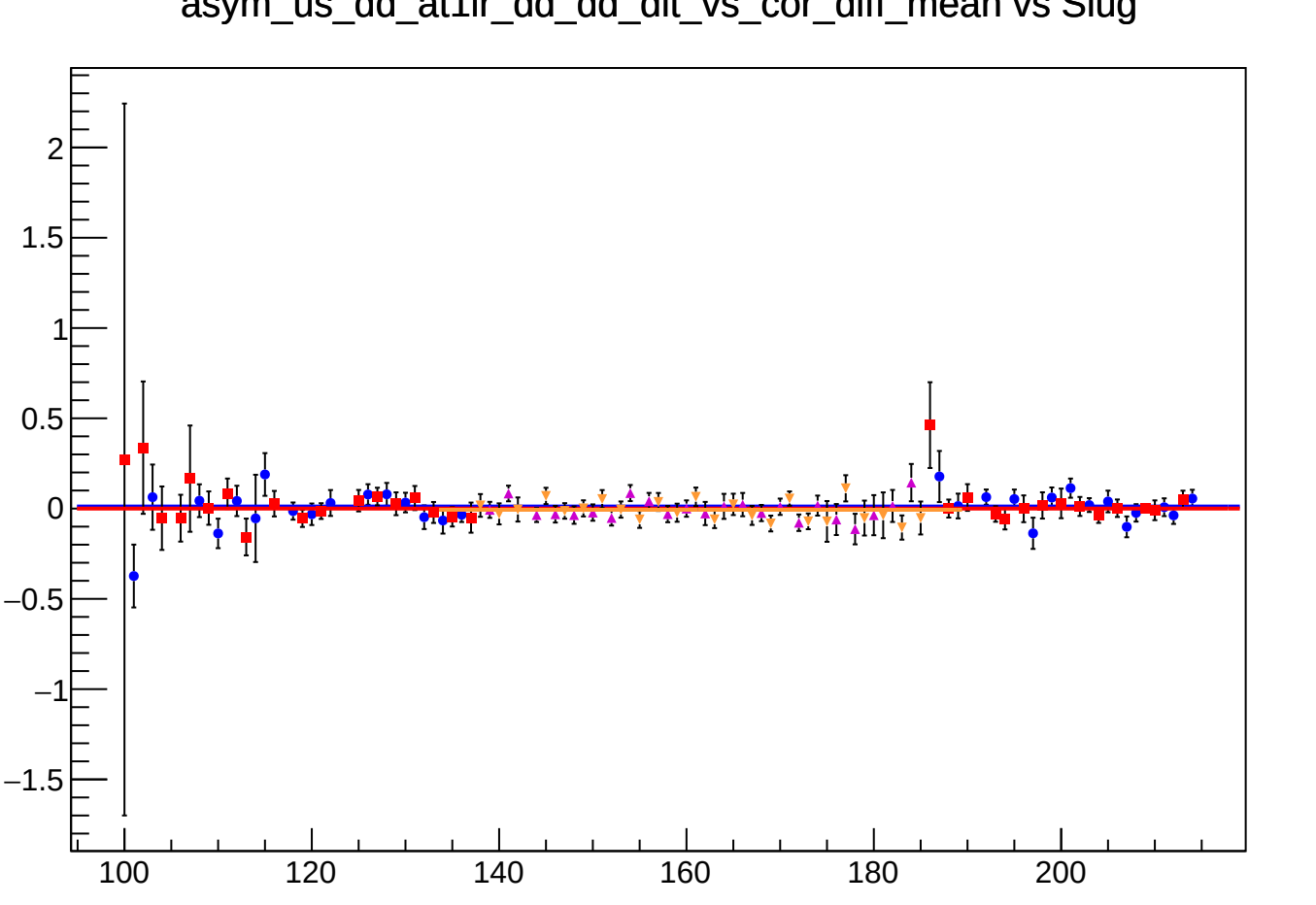
Right Out: 0.000+/-0.000 χ^2/NDF: 7617010.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

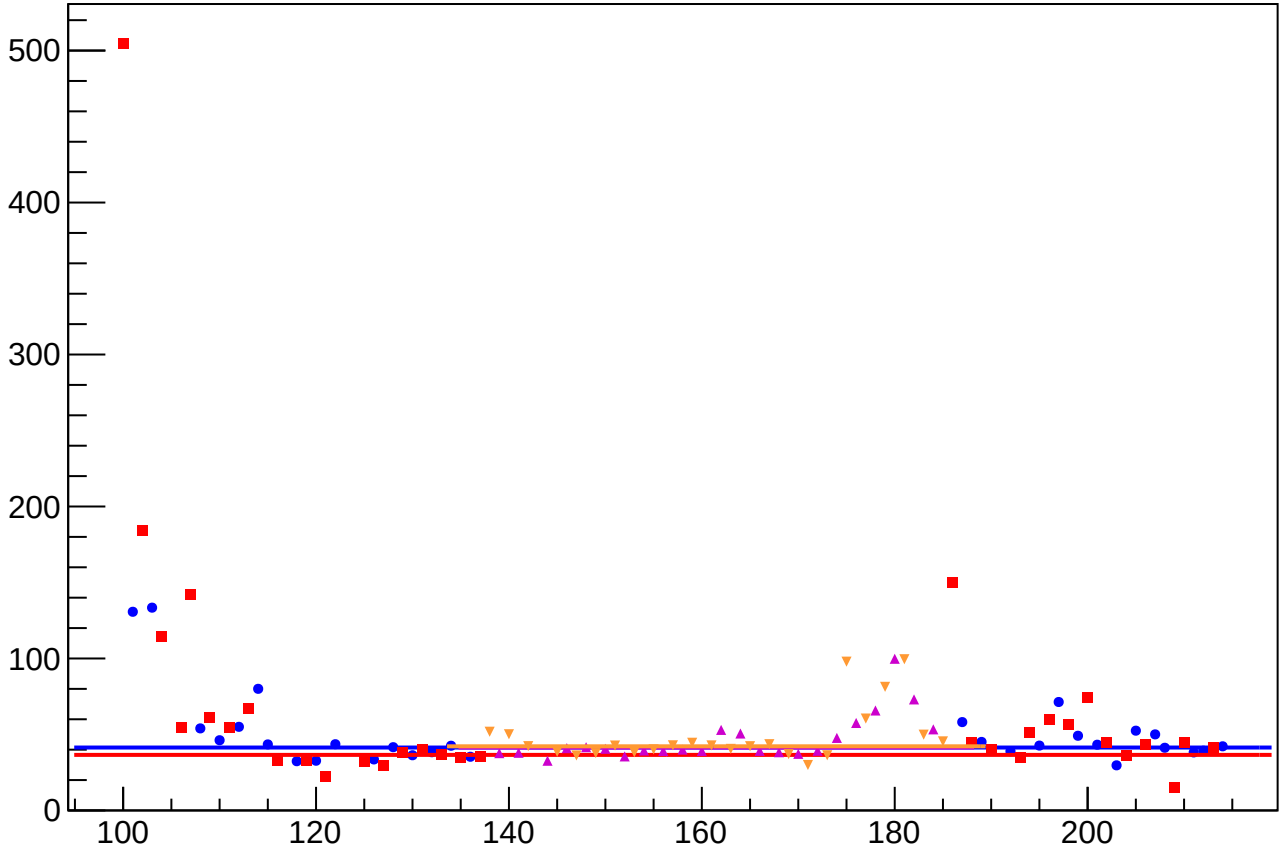
+ sign 0.000+/-0.000 χ^2/NDF: 10535814.2/53

All: 0.000+/-0.000 χ^2/NDF: 23238074.5/108

- sign 0.000+/-0.000 χ^2/NDF: 12683326.2/54


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.011+/-0.011 χ²/NDF: 35.2/29
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: 0.000+/-0.010 χ²/NDF: 19.2/31
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign 0.002+/-0.008 χ²/NDF: 60.5/53
All: -0.000+/-0.005 χ²/NDF: 100.1/108
- sign -0.003+/-0.007 χ²/NDF: 39.4/54

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.406+/-0.008 χ^2/NDF: 2052447.6/29

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

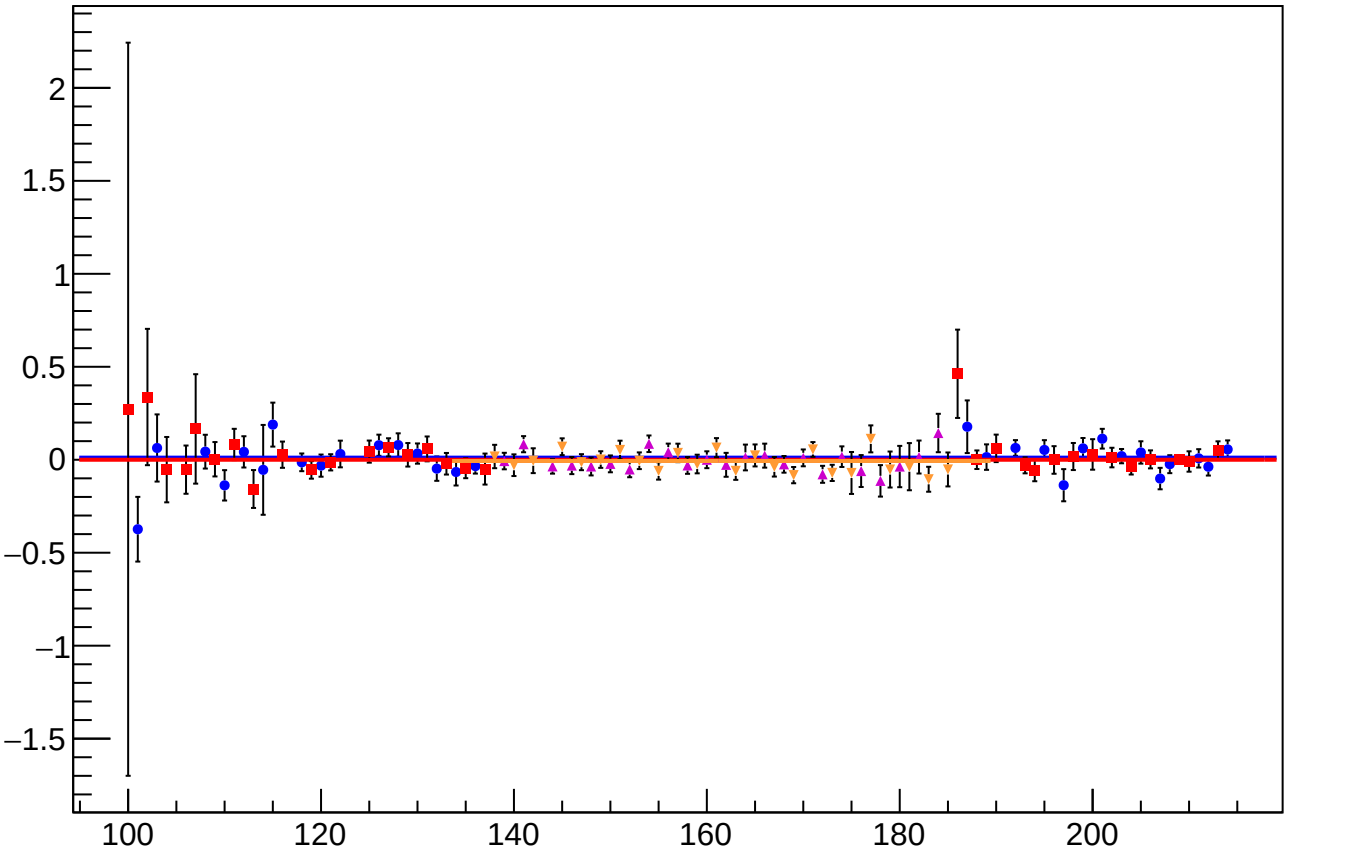
Right Out: 36.562+/-0.007 χ^2/NDF: 4898821.3/31

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.807+/-0.005 χ^2/NDF: 3877211.4/53

All: 40.306+/-0.004 χ^2/NDF: 10546117.3/108

- sign 38.905+/-0.005 χ^2/NDF: 6522779.7/54



Right In: 0.011+/-0.011 χ^2/NDF: 35.2/29

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

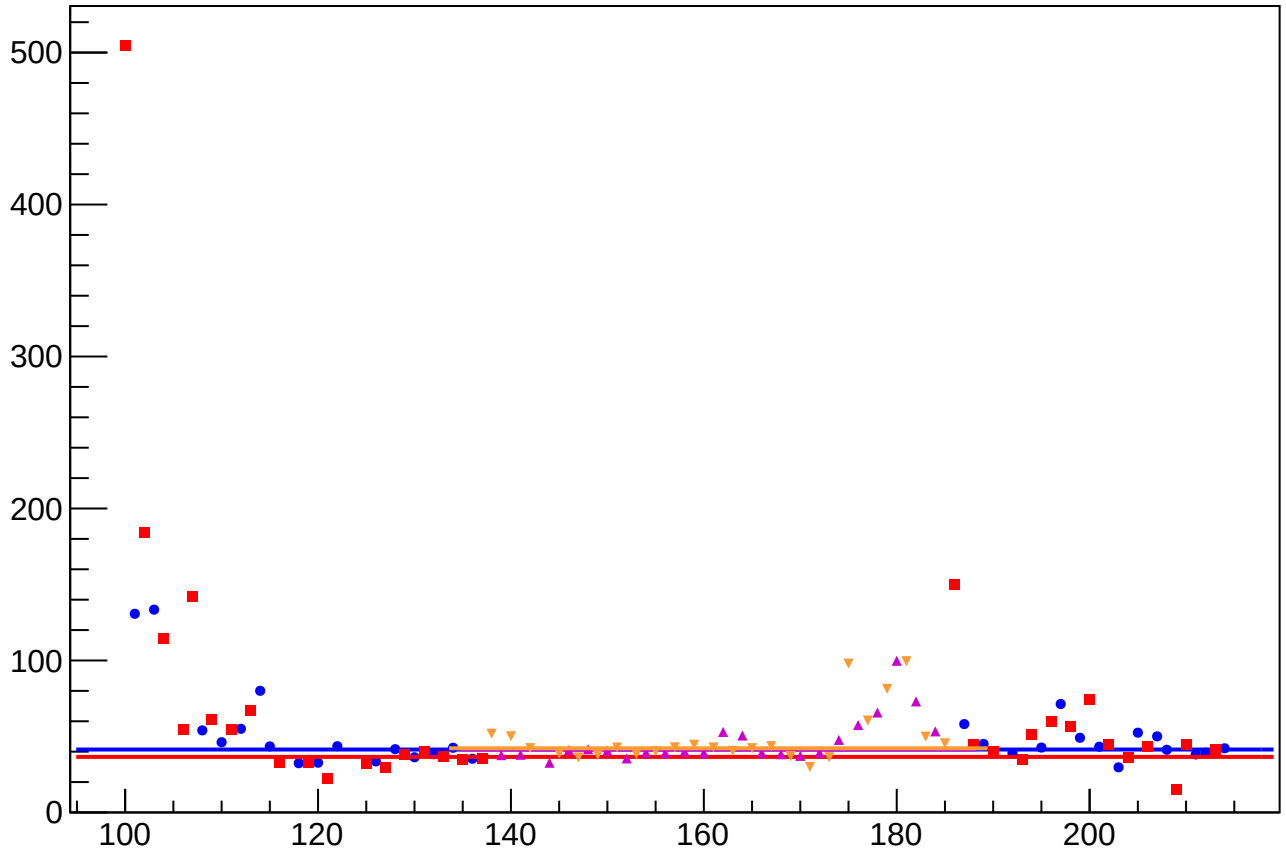
Right Out: 0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 60.5/53

All: -0.000+/-0.005 χ^2/NDF: 100.1/108

- sign -0.003+/-0.007 χ^2/NDF: 39.4/54



Right In: 41.406+/-0.008 χ^2/NDF: 2052447.6/29

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

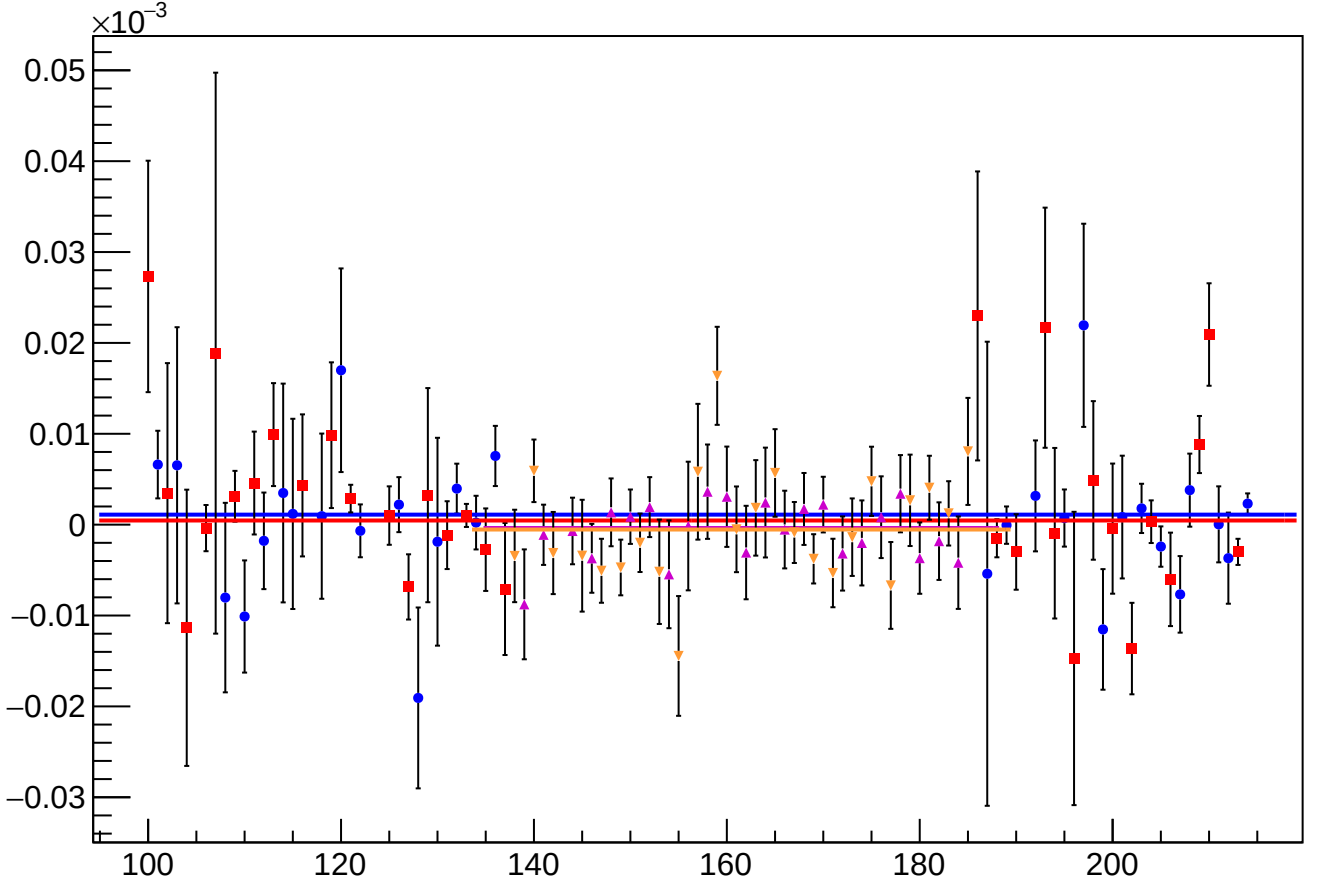
Right Out: 36.562+/-0.007 χ^2/NDF: 4898821.3/31

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.807+/-0.005 χ^2/NDF: 3877211.4/53

All: 40.306+/-0.004 χ^2/NDF: 10546117.3/108

- sign 38.905+/-0.005 χ^2/NDF: 6522779.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 35.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

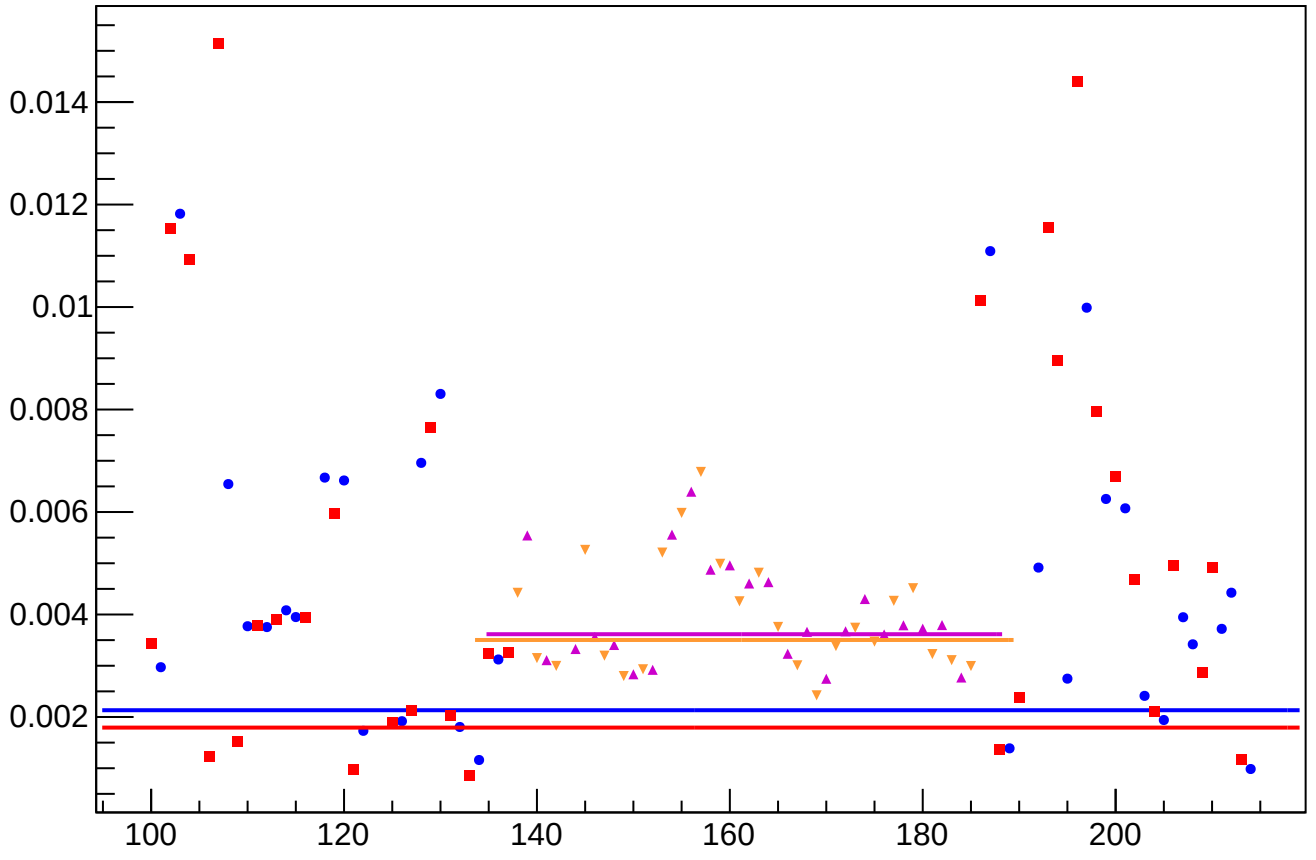
Right Out: 0.000+/-0.000 χ^2/NDF: 62.9/31

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.8/53

All: 0.000+/-0.000 χ^2/NDF: 148.2/108

- sign 0.000+/-0.000 χ^2/NDF: 73.2/54



Right In: 0.002+/-0.000 χ^2/NDF: 10895103.9/29

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

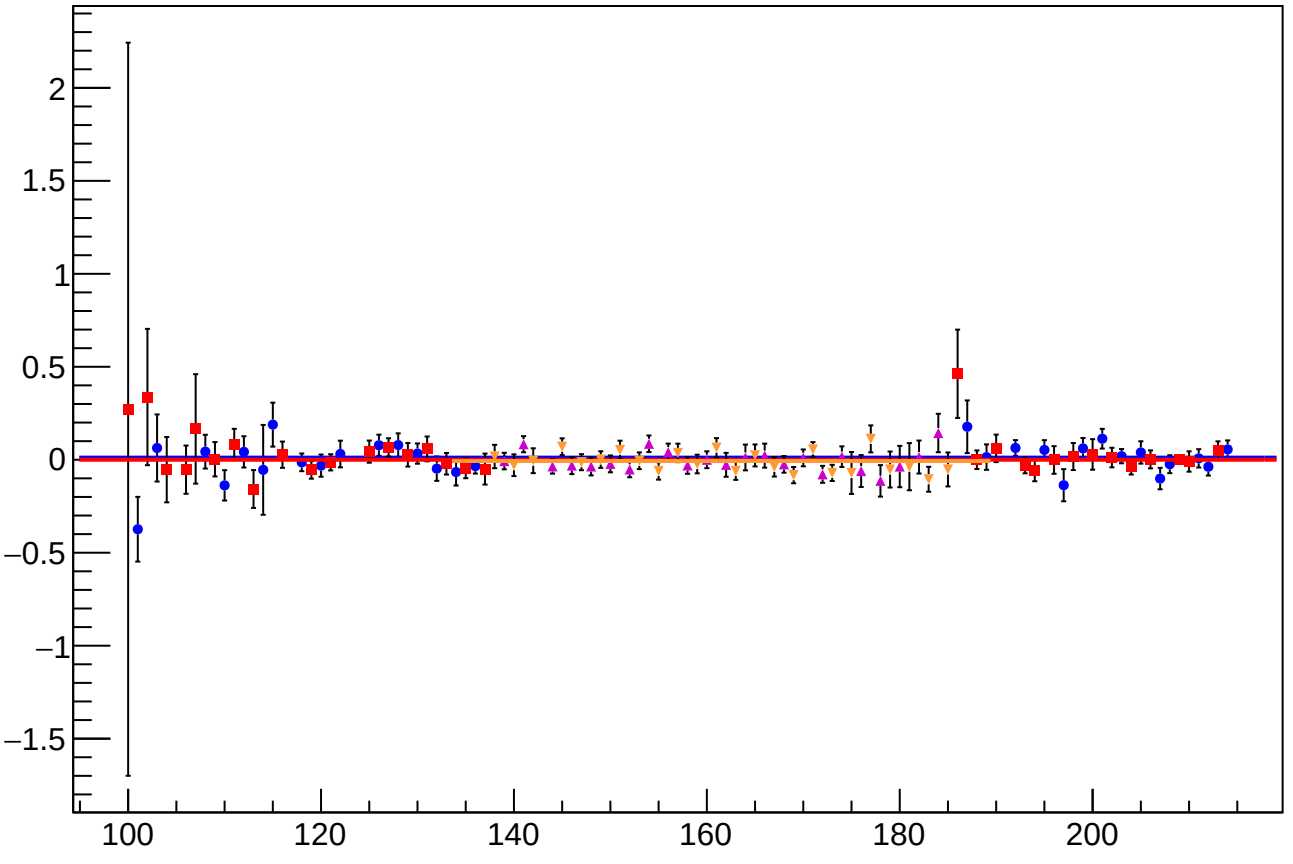
Right Out: 0.002+/-0.000 χ^2/NDF: 14652314.6/31

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 16479393.5/53

All: 0.002+/-0.000 χ^2/NDF: 39171042.3/108

- sign 0.002+/-0.000 χ^2/NDF: 22388939.1/54



Right In: 0.011+/-0.011 χ^2/NDF: 35.2/29

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

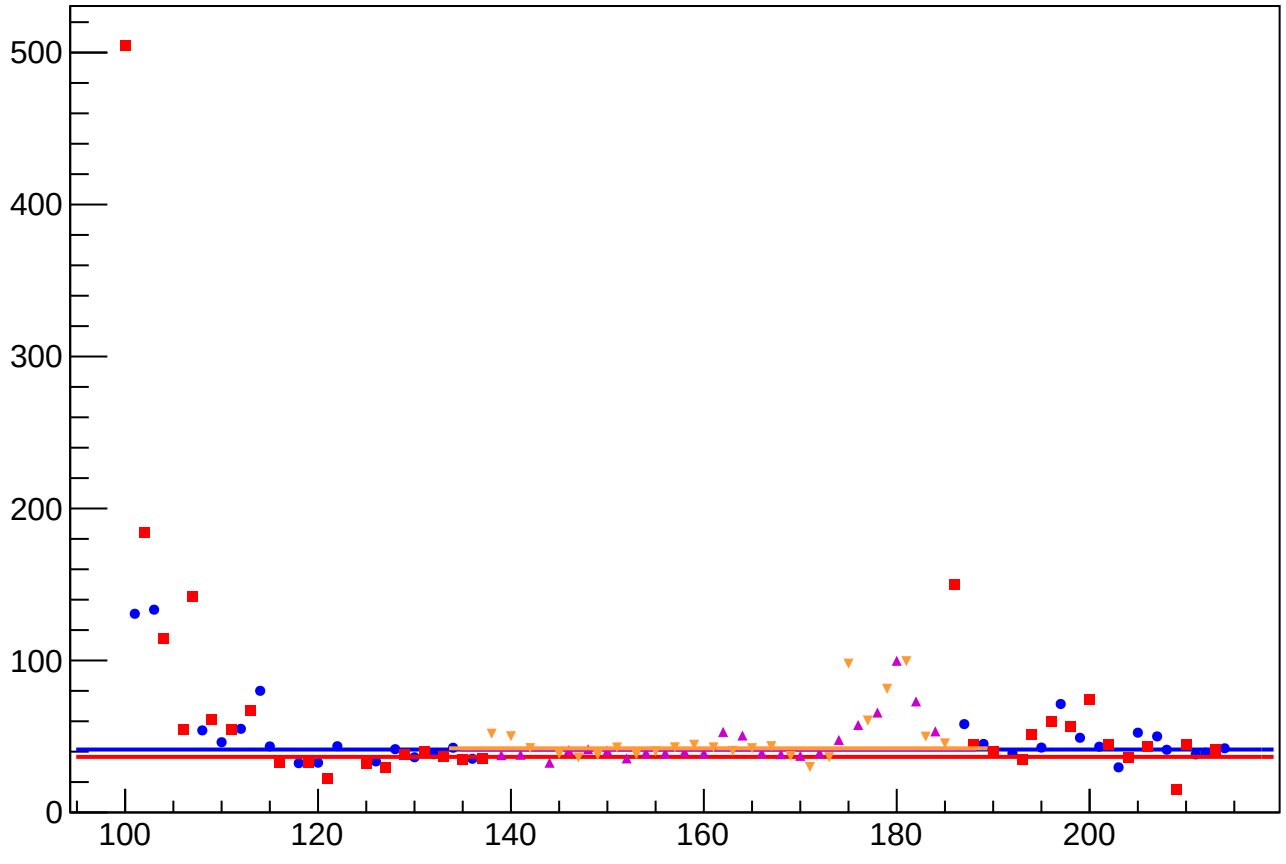
Right Out: 0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 60.5/53

All: -0.000+/-0.005 χ^2/NDF: 100.1/108

- sign -0.003+/-0.007 χ^2/NDF: 39.4/54



Right In: 41.406+/-0.008 χ^2/NDF: 2052363.1/29

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.566+/-0.007 χ^2/NDF: 4896295.5/31

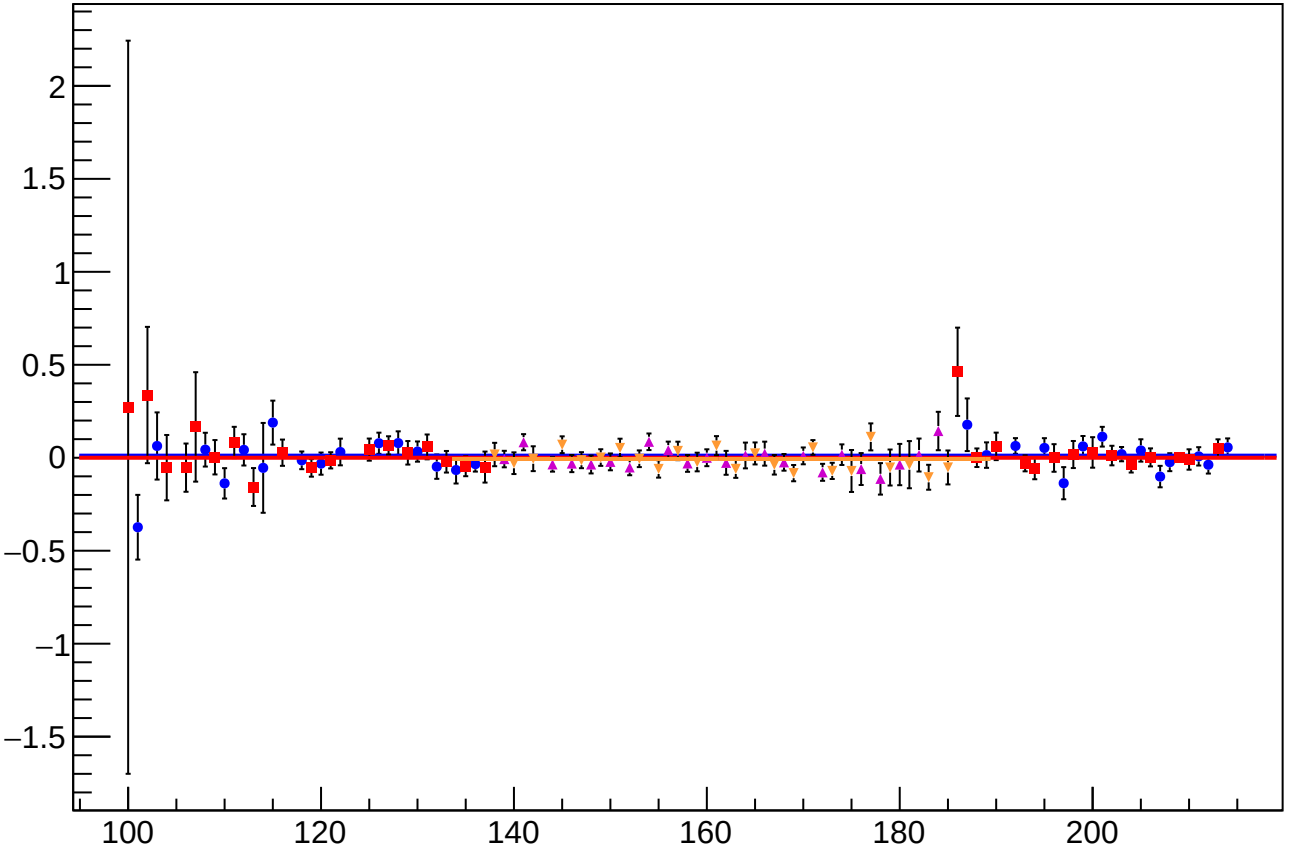
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.807+/-0.005 χ^2/NDF: 3877126.9/53

All: 40.308+/-0.004 χ^2/NDF: 10542811.4/108

- sign 38.907+/-0.005 χ^2/NDF: 6519794.7/54

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.011 χ^2/NDF: 35.2/29

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

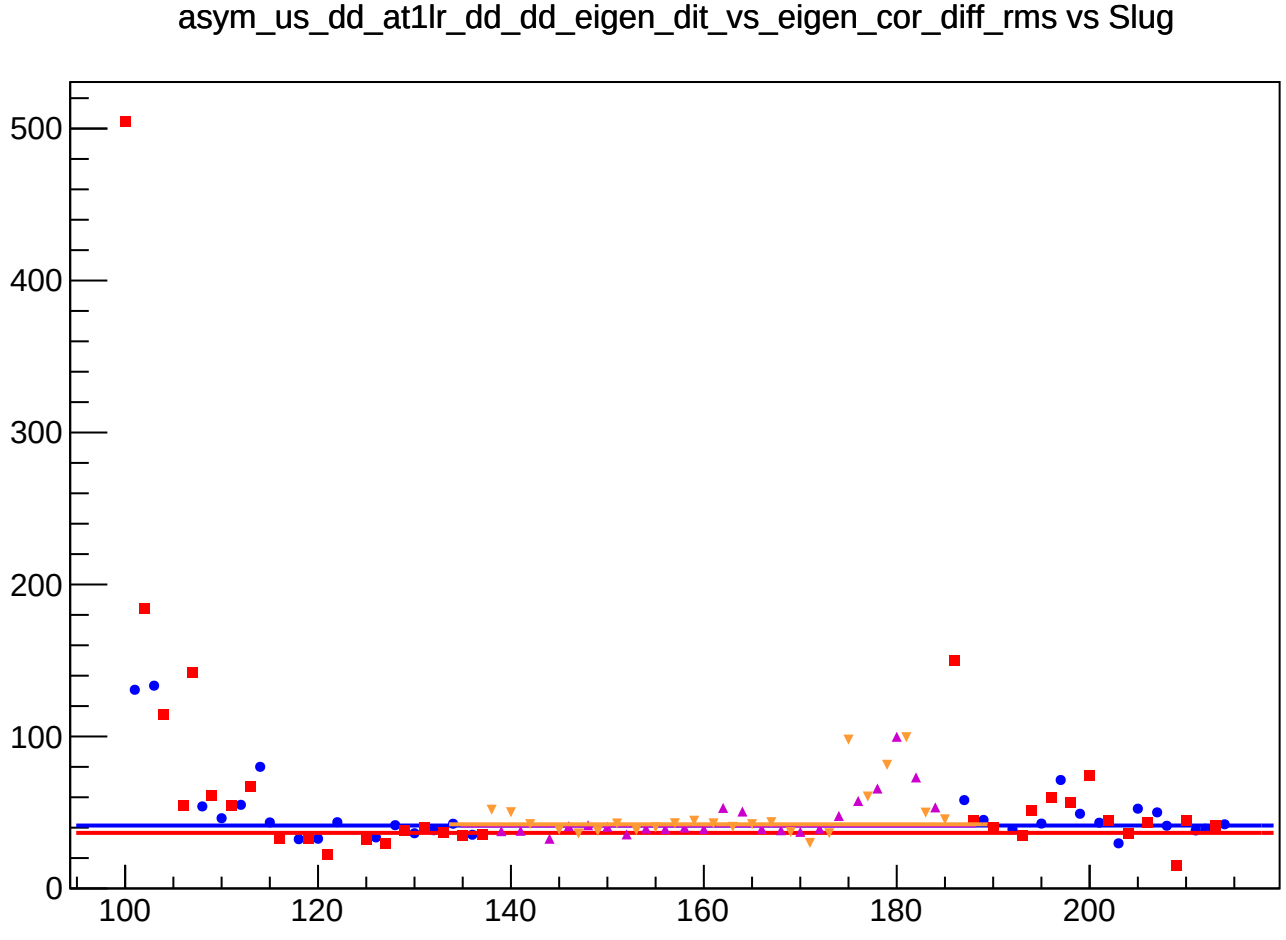
Right Out: 0.000+/-0.010 χ^2/NDF: 19.2/31

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.008 χ^2/NDF: 60.5/53

All: -0.000+/-0.005 χ^2/NDF: 100.1/108

- sign -0.003+/-0.007 χ^2/NDF: 39.4/54



Right In: 41.406+/-0.008 χ^2/NDF: 2052363.1/29

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

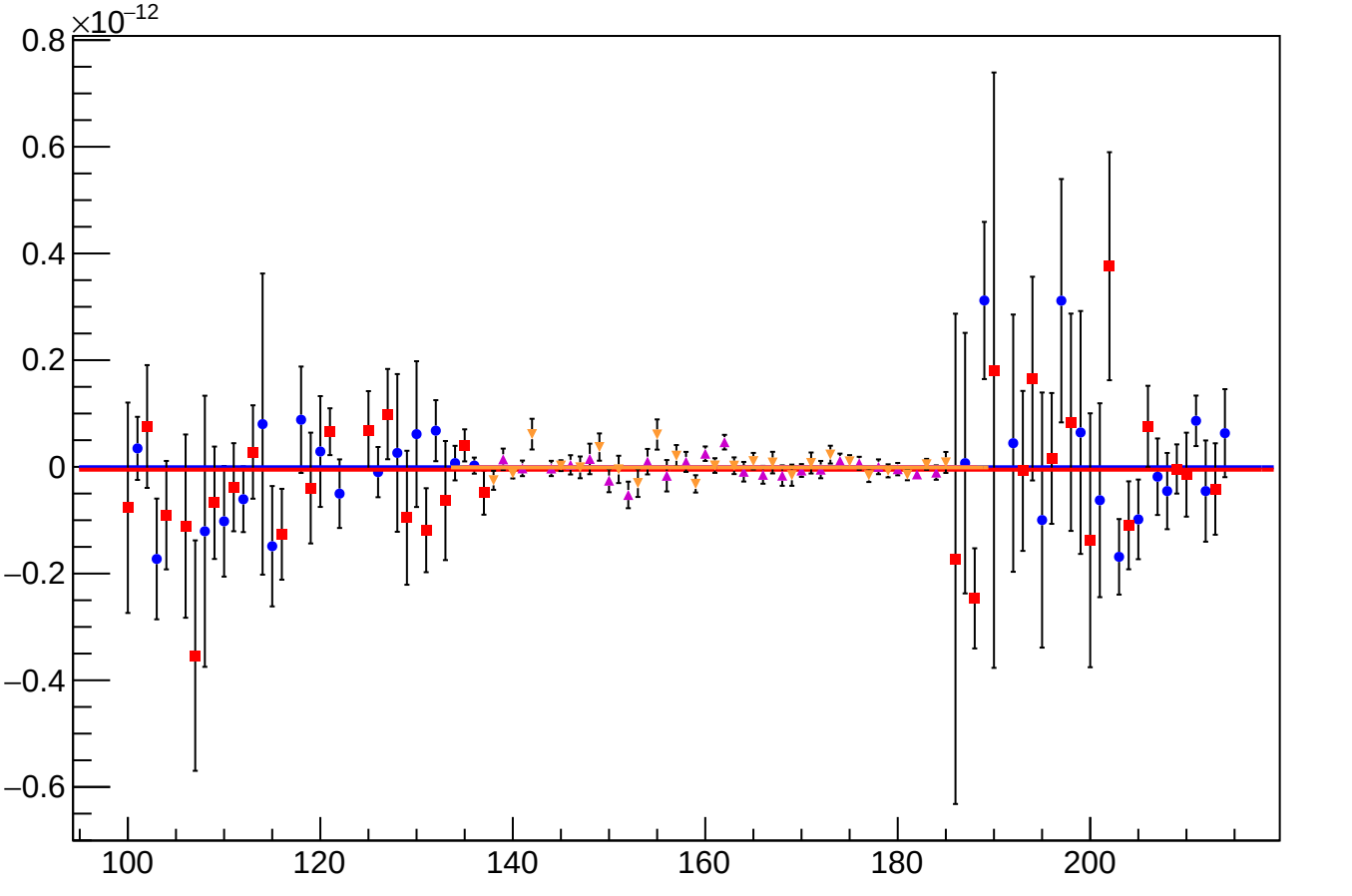
Right Out: 36.566+/-0.007 χ^2/NDF: 4896295.5/31

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.807+/-0.005 χ^2/NDF: 3877126.9/53

All: 40.308+/-0.004 χ^2/NDF: 10542811.4/108

- sign 38.907+/-0.005 χ^2/NDF: 6519794.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

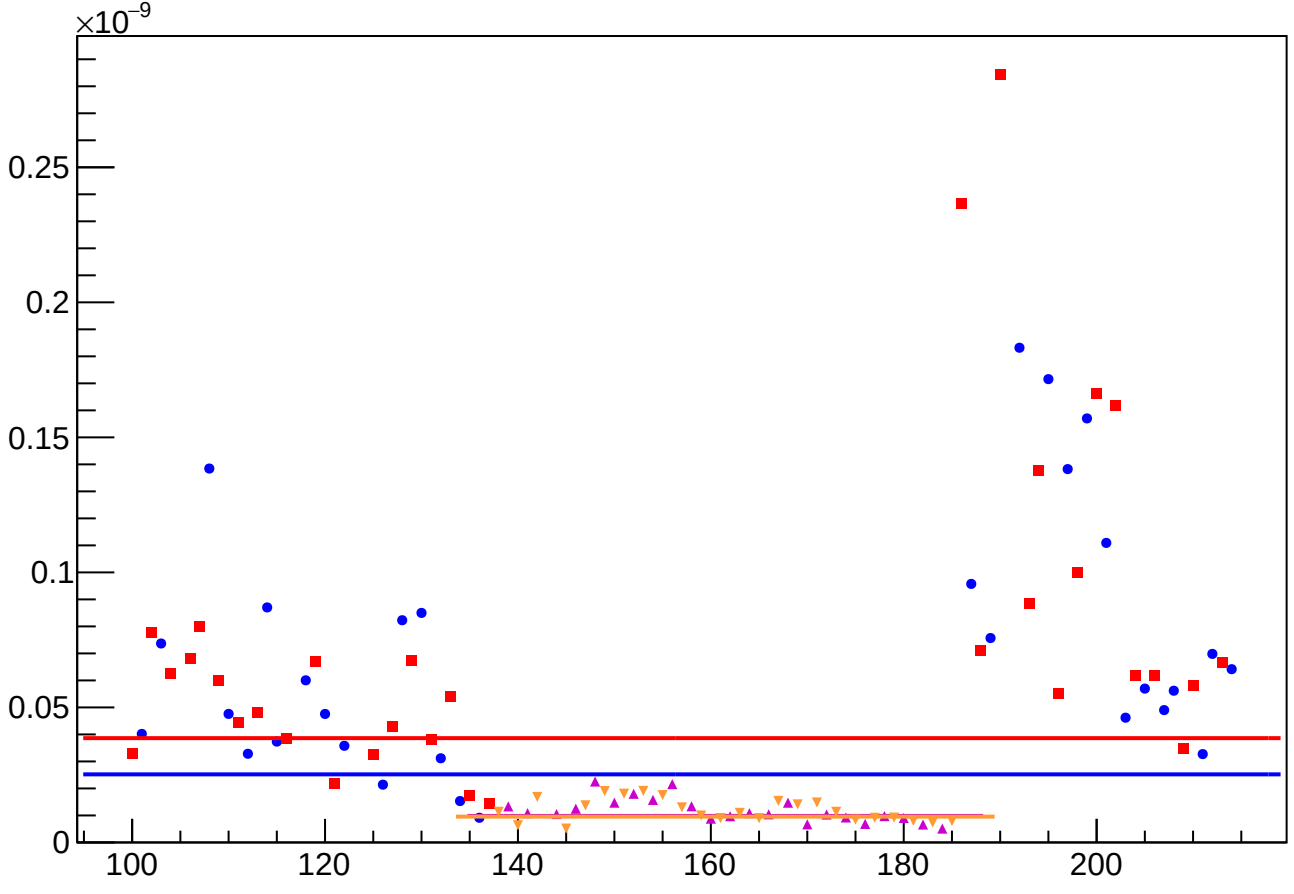
Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/31

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.1/53

All: -0.000+/-0.000 χ^2/NDF: 119.3/108

- sign -0.000+/-0.000 χ^2/NDF: 61.2/54



Right In: 0.000+/-0.000 χ^2/NDF: 10397214.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6798791.2/31

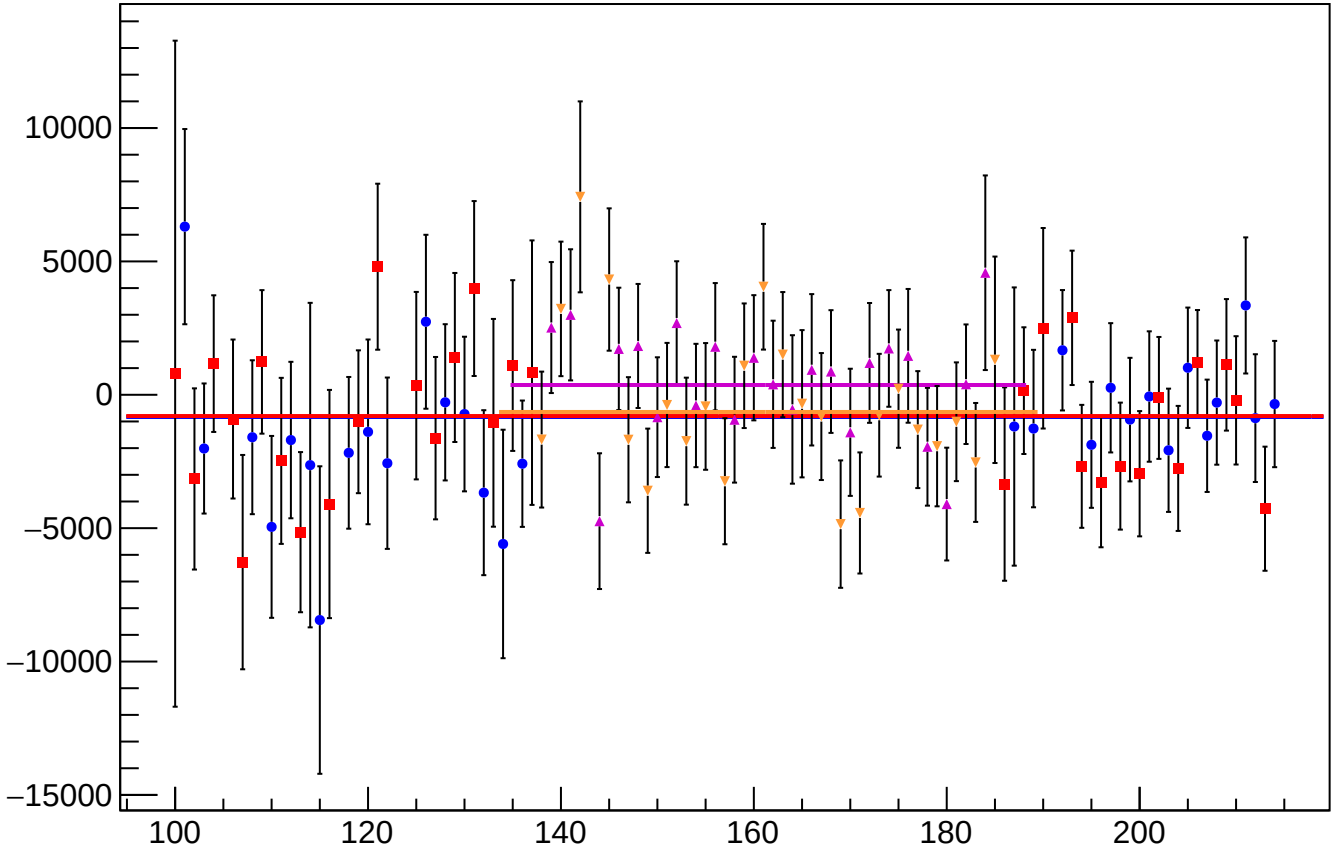
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 16954357.8/53

All: 0.000+/-0.000 χ^2/NDF: 34070631.4/108

- sign 0.000+/-0.000 χ^2/NDF: 17097148.6/54

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -831.458+/-503.456 χ^2/NDF: 17.5/29

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -796.794+/-499.782 χ^2/NDF: 24.4/31

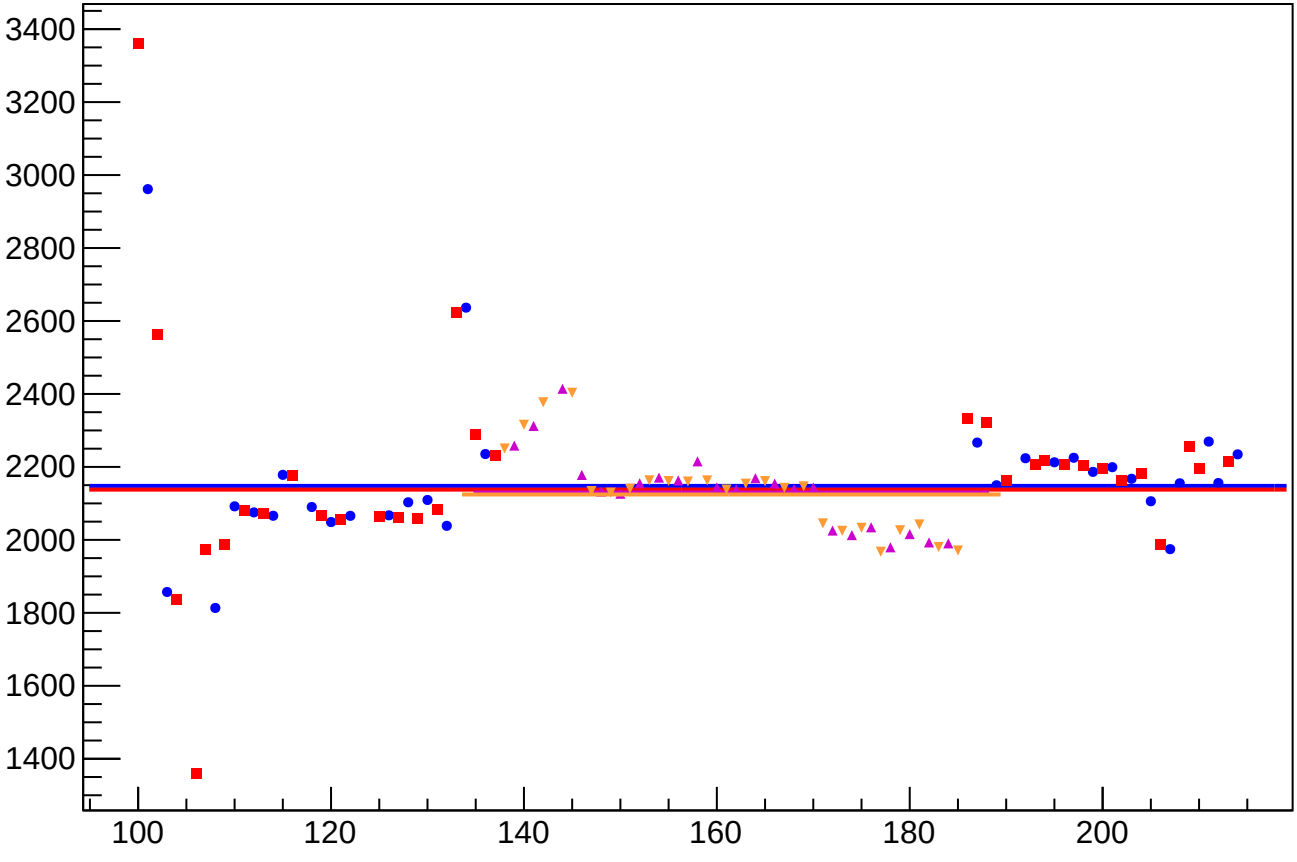
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -735.795+/-352.491 χ^2/NDF: 44.7/53

All: -474.485+/-249.333 χ^2/NDF: 90.3/108

- sign -212.819+/-352.731 χ^2/NDF: 44.5/54

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.991+/-0.356 χ^2/NDF: 223330.7/29

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

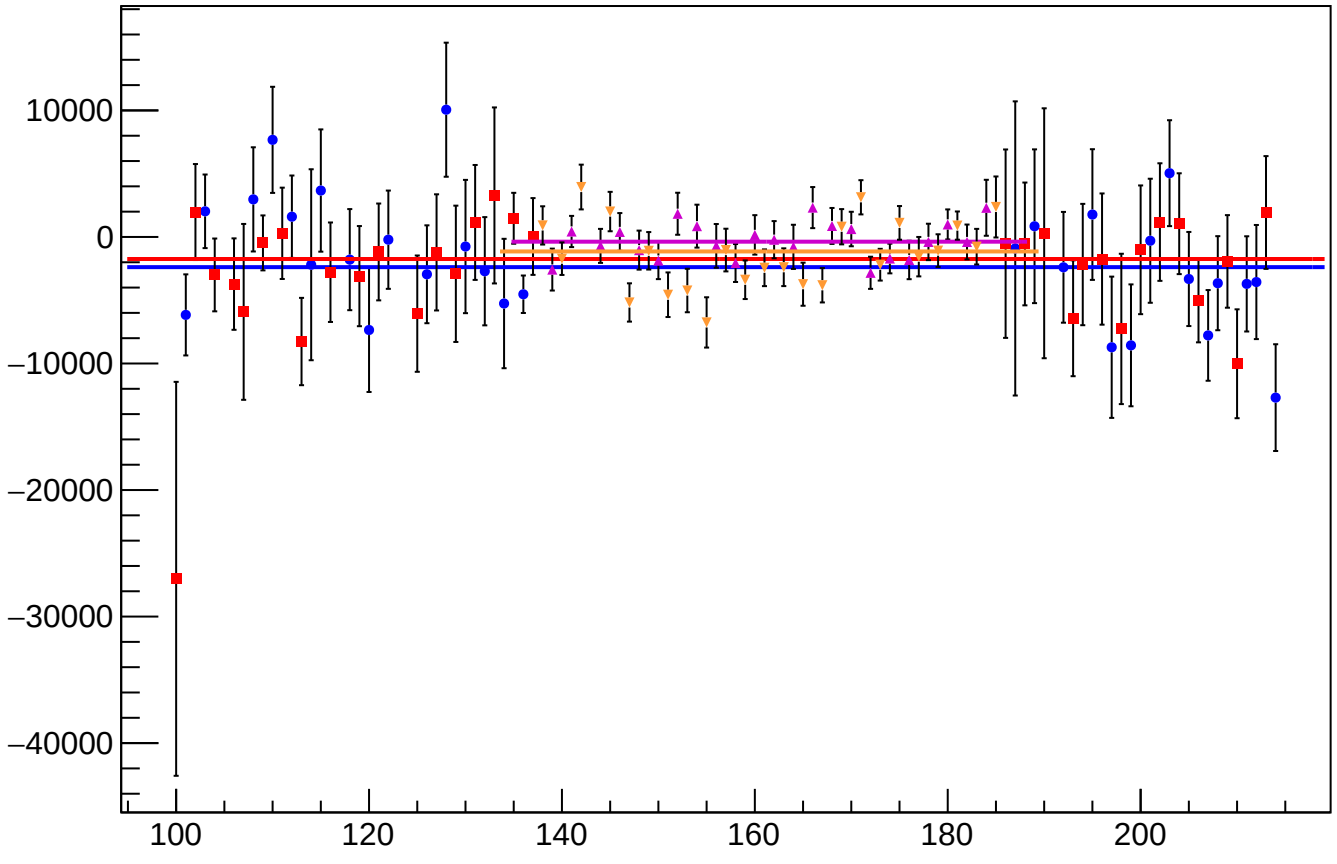
Right Out: 2137.735+/-0.353 χ^2/NDF: 315221.5/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2135.983+/-0.249 χ^2/NDF: 314746.5/53

All: 2134.893+/-0.176 χ^2/NDF: 715607.7/108

- sign 2133.801+/-0.249 χ^2/NDF: 400822.9/54



Right In: -2385.665+/-699.932 χ^2/NDF: 39.4/29

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

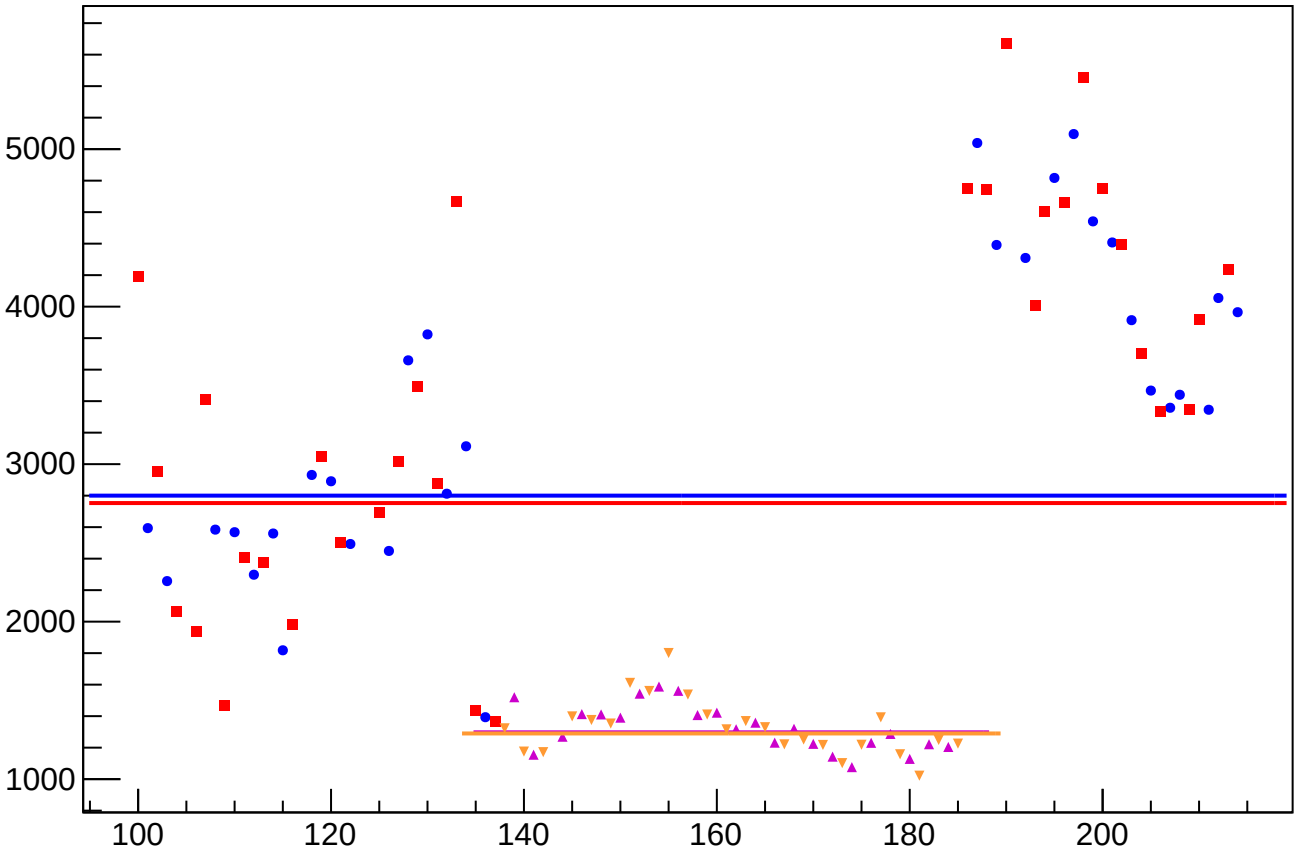
Right Out: -1742.238+/-696.575 χ^2/NDF: 22.0/31

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1340.097+/-277.668 χ^2/NDF: 109.6/53

All: -969.739+/-197.049 χ^2/NDF: 158.7/108

- sign -593.989+/-279.682 χ^2/NDF: 45.5/54



Right In: 2800.087+/-0.495 χ^2/NDF: 4426728.9/29

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2752.961+/-0.493 χ^2/NDF: 5506666.6/31

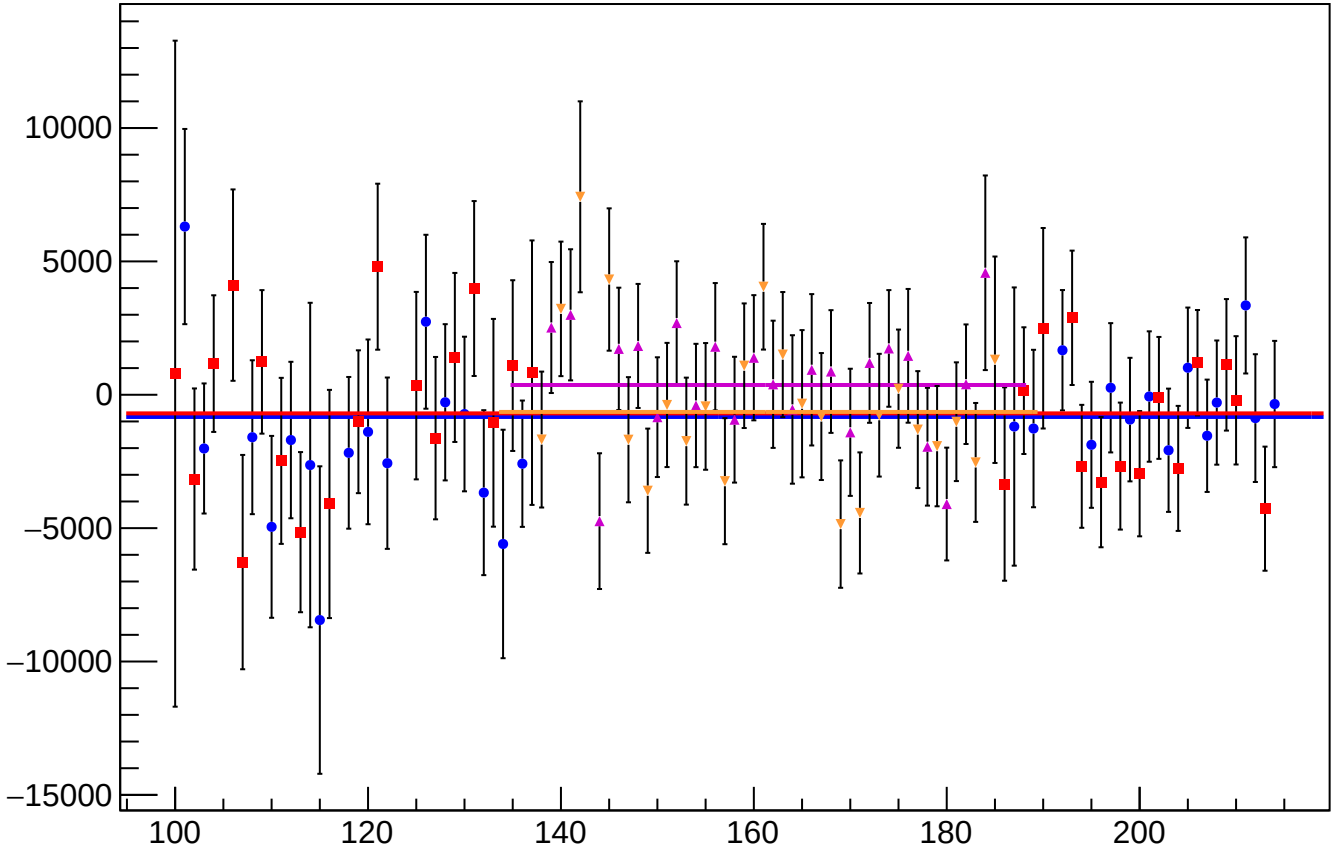
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1527.676+/-0.196 χ^2/NDF: 12838718.8/53

All: 1529.871+/-0.139 χ^2/NDF: 26104095.5/1

- sign 1532.097+/-0.198 χ^2/NDF: 13265125.1/54

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -831.506+/-503.456 χ^2/NDF: 17.5/29

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -697.631+/-501.975 χ^2/NDF: 26.3/31

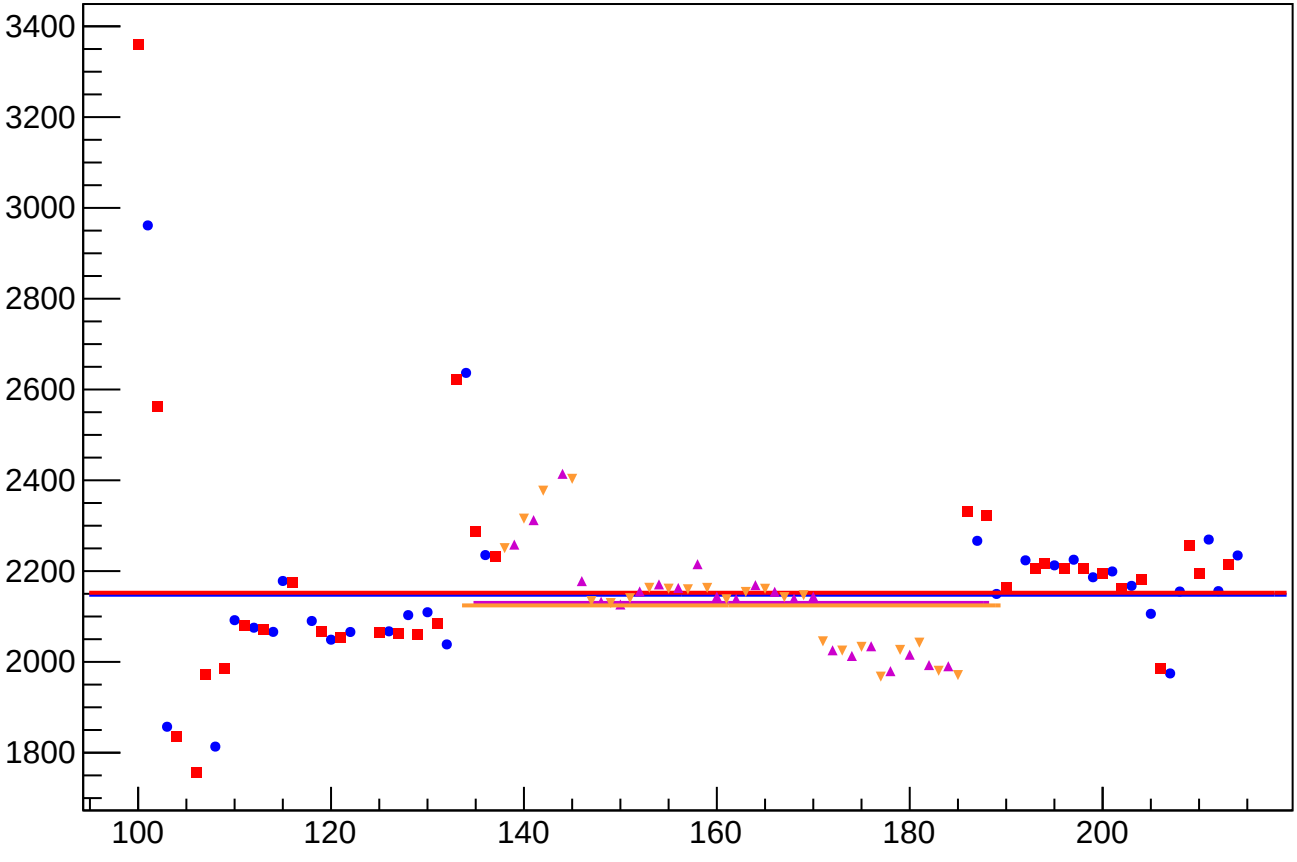
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

\+ sign -735.749+/-352.491 χ^2/NDF: 44.7/53

All: -449.270+/-249.604 χ^2/NDF: 91.9/108

\- sign -161.150+/-353.499 χ^2/NDF: 45.8/54

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.991+/-0.356 χ^2/NDF: 223331.0/29

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

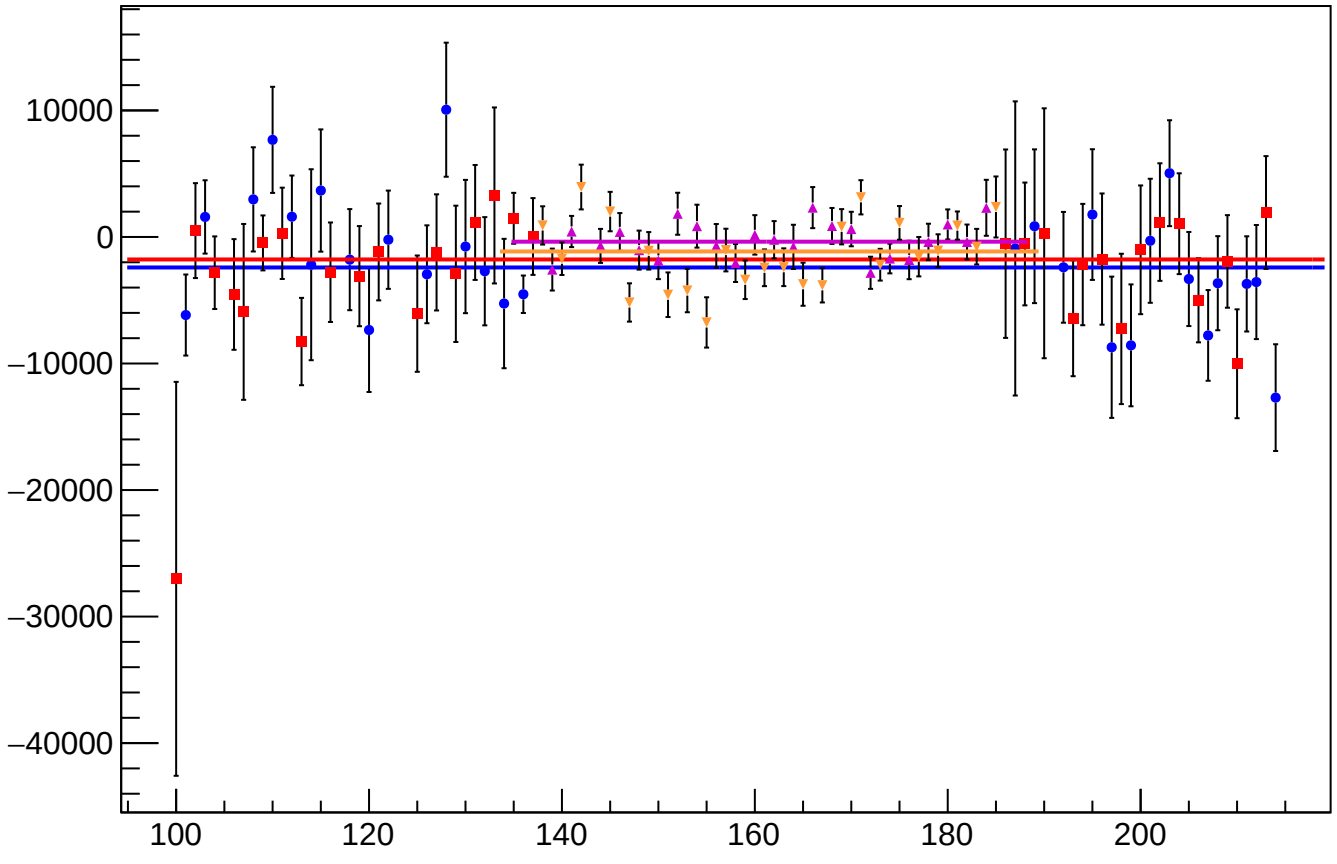
Right Out: 2152.306+/-0.355 χ^2/NDF: 200251.1/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2135.983+/-0.249 χ^2/NDF: 314746.8/53

All: 2138.490+/-0.176 χ^2/NDF: 602564.3/108

- sign 2141.010+/-0.250 χ^2/NDF: 287614.7/54



Right In: -2410.457+/-699.776 χ^2/NDF: 39.0/29

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

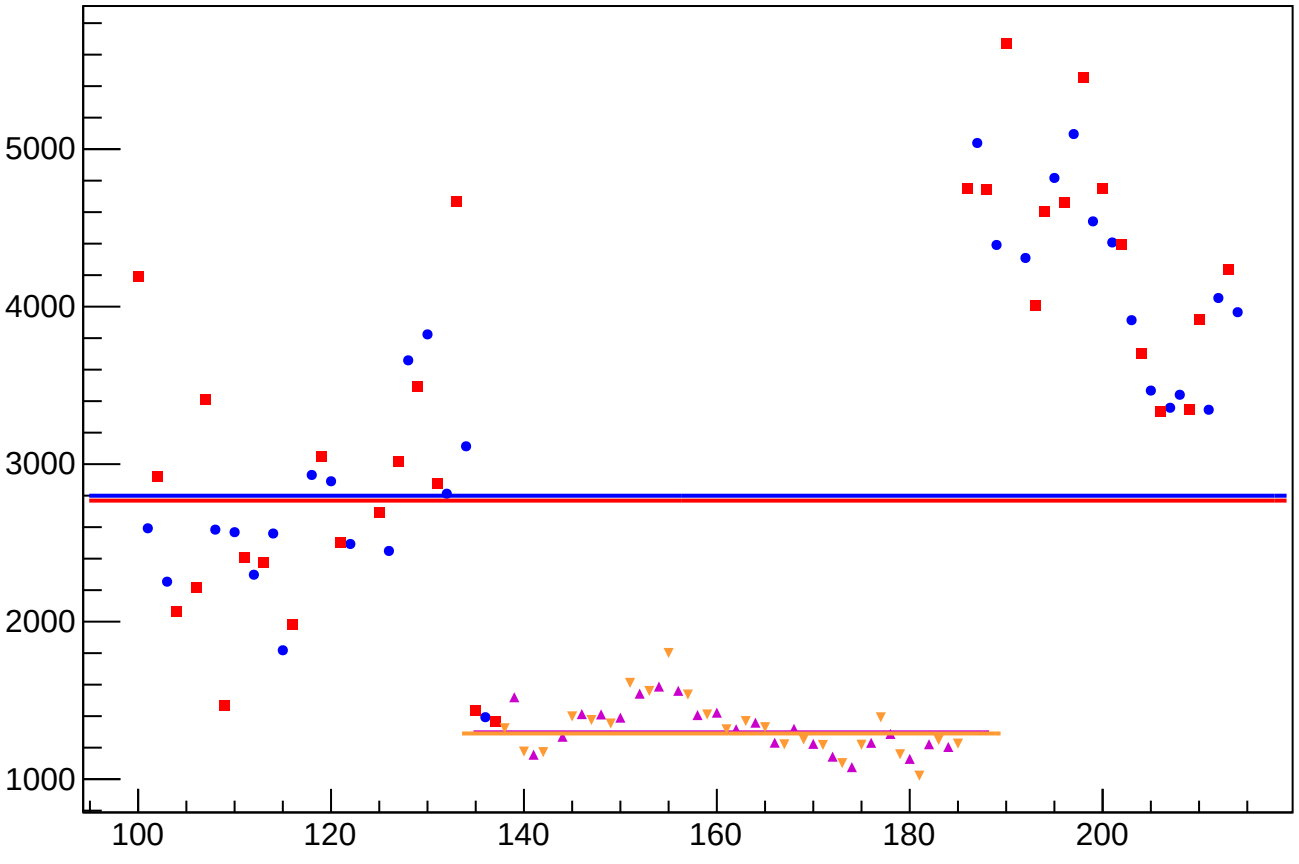
Right Out: -1777.895+/-700.348 χ^2/NDF: 21.4/31

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1344.044+/-277.660 χ^2/NDF: 109.3/53

All: -973.852+/-197.131 χ^2/NDF: 158.0/108

- sign -597.596+/-279.925 χ^2/NDF: 45.1/54



Right In: 2799.602+/-0.495 χ^2/NDF: 4428194.6/29

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

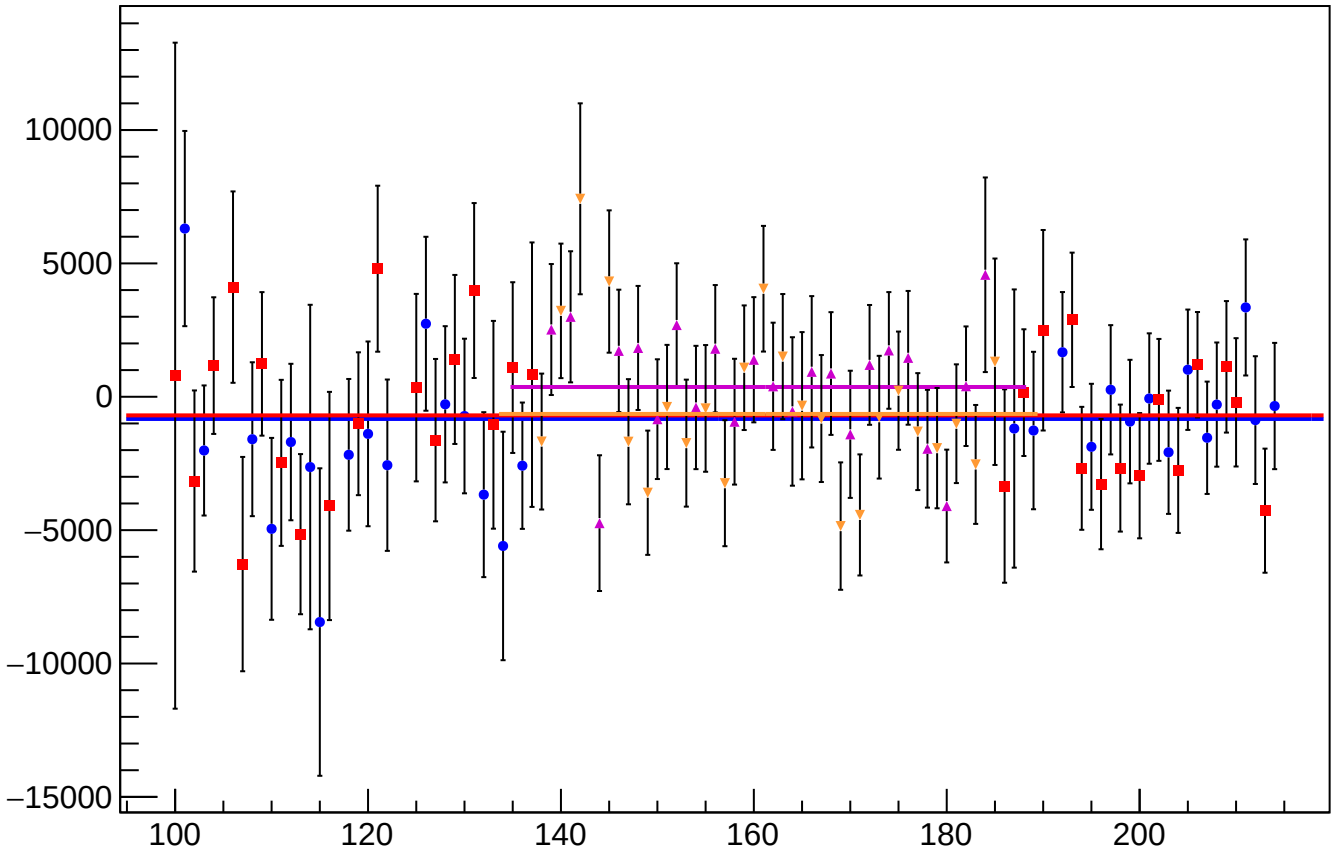
Right Out: 2768.533+/-0.495 χ^2/NDF: 5434334.9/31

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1527.702+/-0.196 χ^2/NDF: 12837883.8/53

All: 1530.066+/-0.139 χ^2/NDF: 26120945.9/1

- sign 1532.470+/-0.198 χ^2/NDF: 13282769.6/54



Right In: -831.506+/-503.456 χ^2/NDF: 17.5/29

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -697.631+/-501.975 χ^2/NDF: 26.3/31

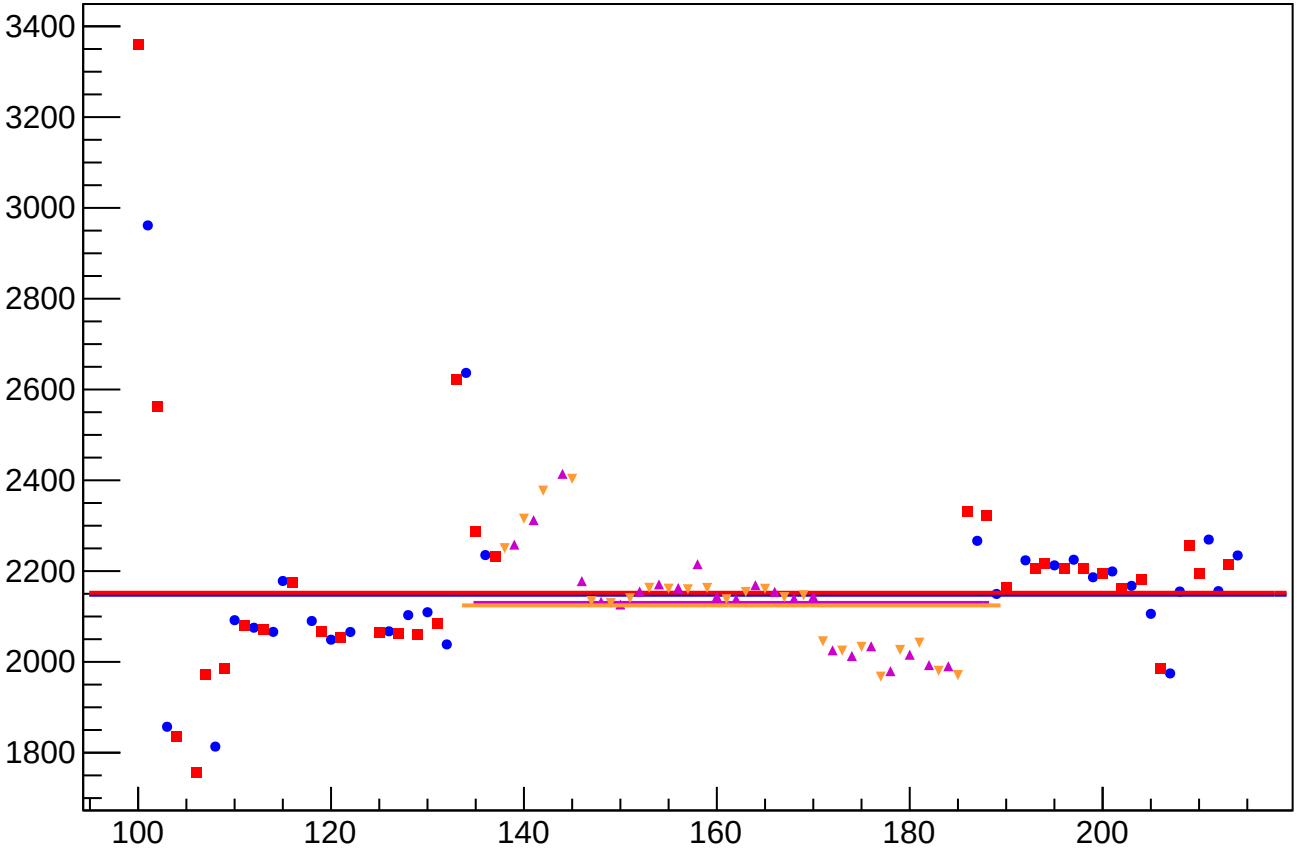
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -735.749+/-352.491 χ^2/NDF: 44.7/53

All: -449.270+/-249.604 χ^2/NDF: 91.9/108

- sign -161.150+/-353.499 χ^2/NDF: 45.8/54

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2147.991+/-0.356 χ^2/NDF: 223331.0/29

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

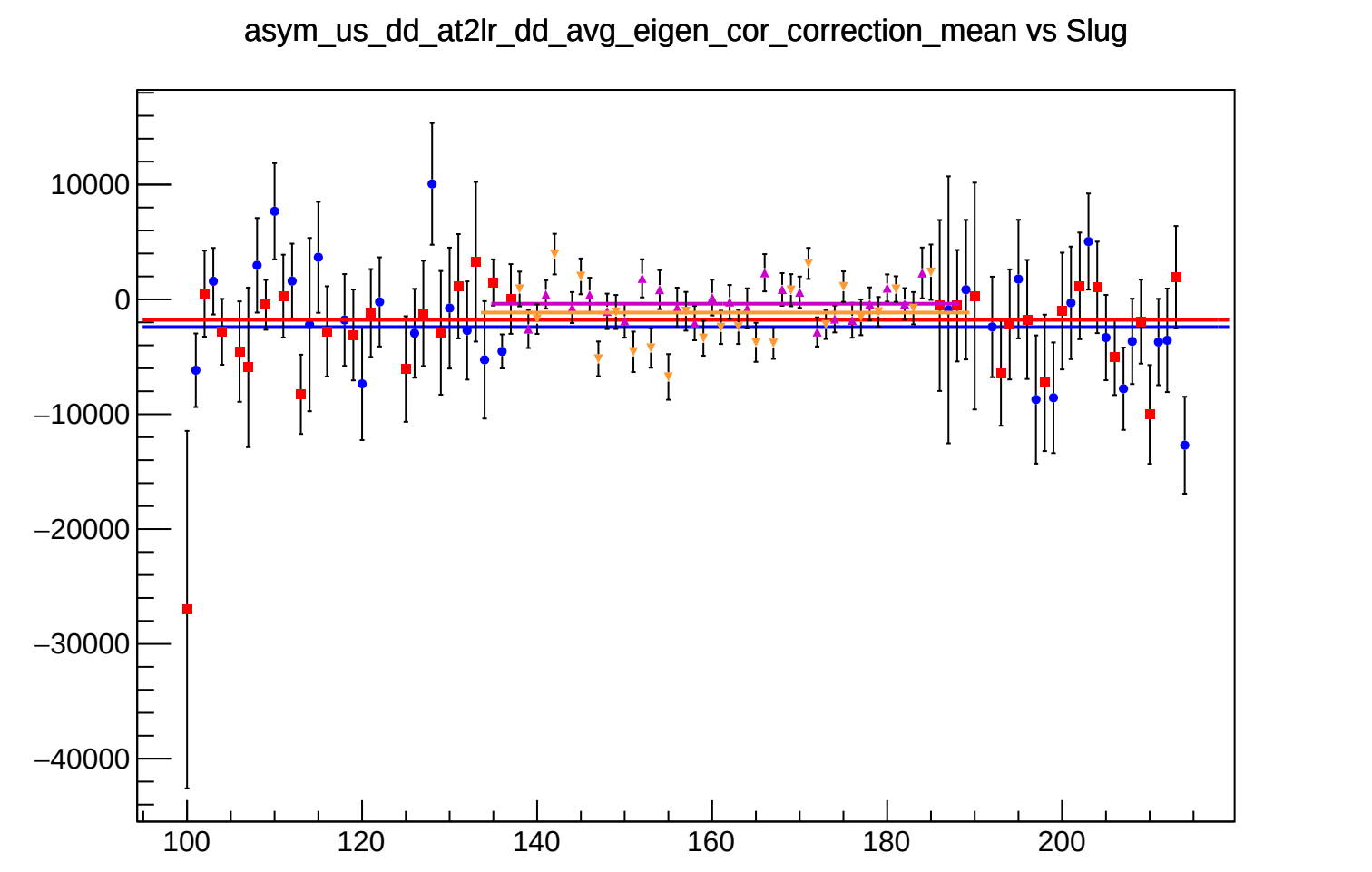
Right Out: 2152.306+/-0.355 χ^2/NDF: 200251.1/31

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2135.983+/-0.249 χ^2/NDF: 314746.8/53

All: 2138.490+/-0.176 χ^2/NDF: 602564.3/108

- sign 2141.010+/-0.250 χ^2/NDF: 287614.7/54



Right In: -2410.457+/-699.776 χ^2/NDF: 39.0/29

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

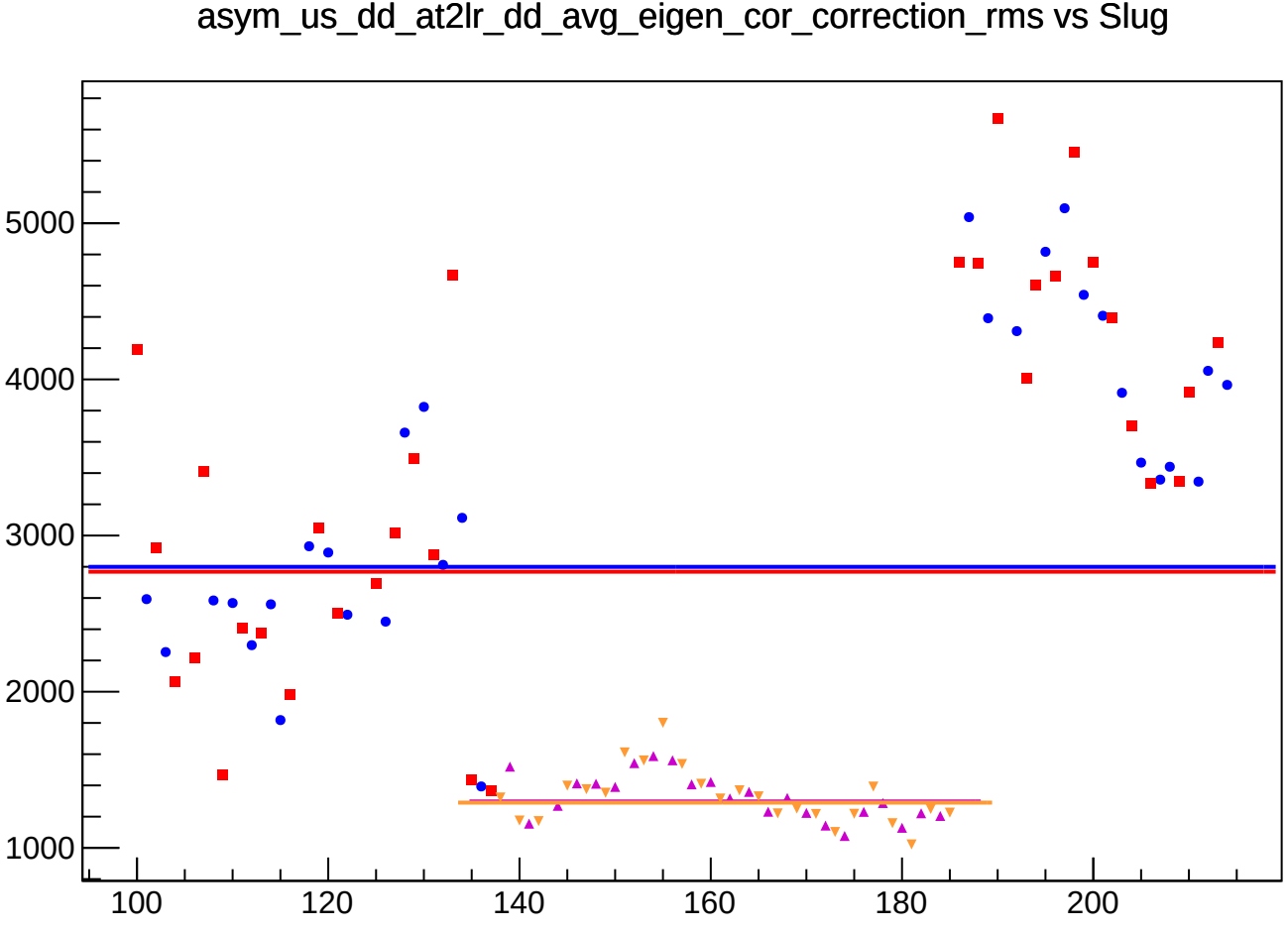
Right Out: -1777.895+/-700.348 χ^2/NDF: 21.4/31

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1344.044+/-277.660 χ^2/NDF: 109.3/53

All: -973.852+/-197.131 χ^2/NDF: 158.0/108

- sign -597.596+/-279.925 χ^2/NDF: 45.1/54



Right In: 2799.602+/-0.495 χ^2/NDF: 4428194.6/29

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2768.533+/-0.495 χ^2/NDF: 5434334.9/31

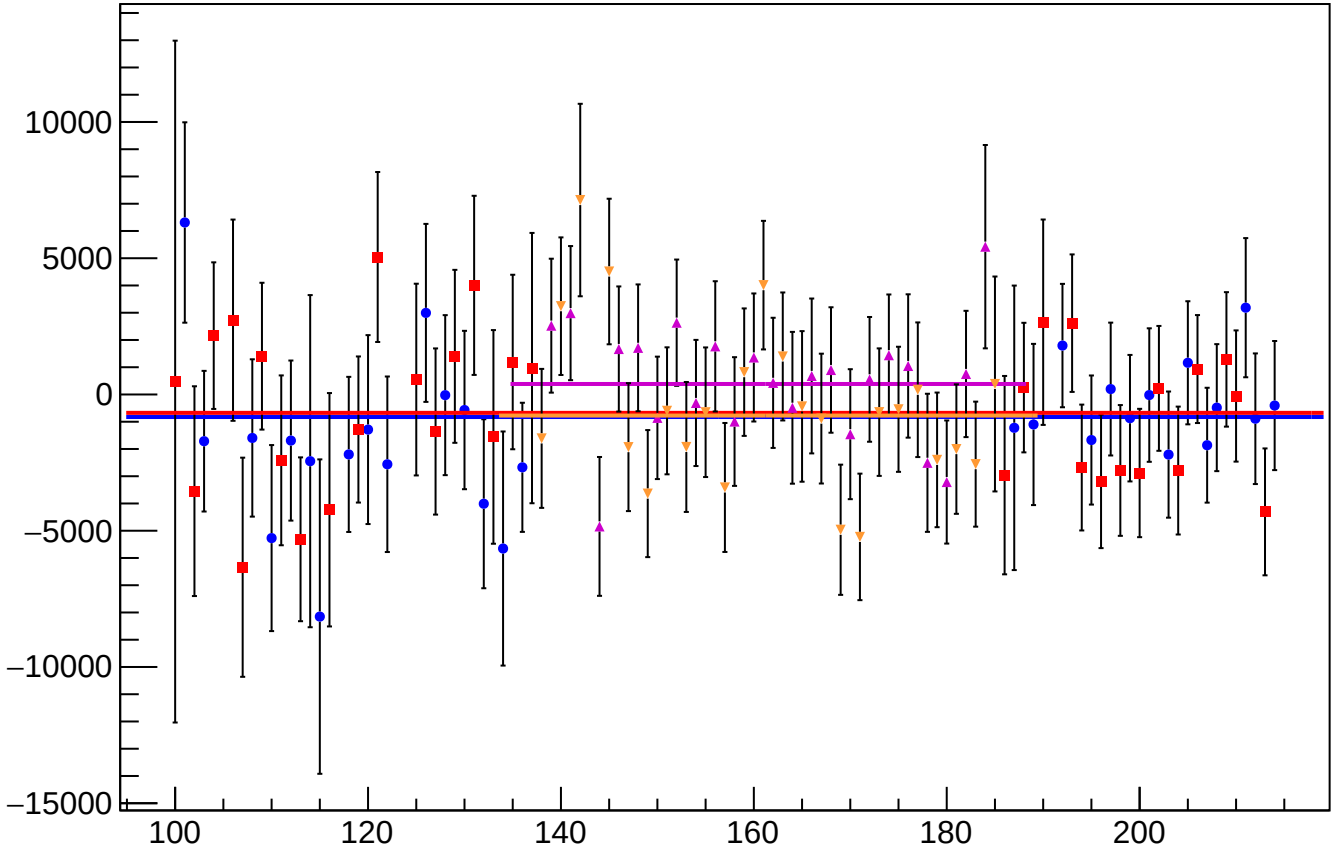
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1527.702+/-0.196 χ^2/NDF: 12837883.8/53

All: 1530.066+/-0.139 χ^2/NDF: 26120945.9/1

- sign 1532.470+/-0.198 χ^2/NDF: 13282769.6/54

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -827.186+/-505.539 χ^2/NDF: 18.0/29

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -674.453+/-505.403 χ^2/NDF: 26.3/31

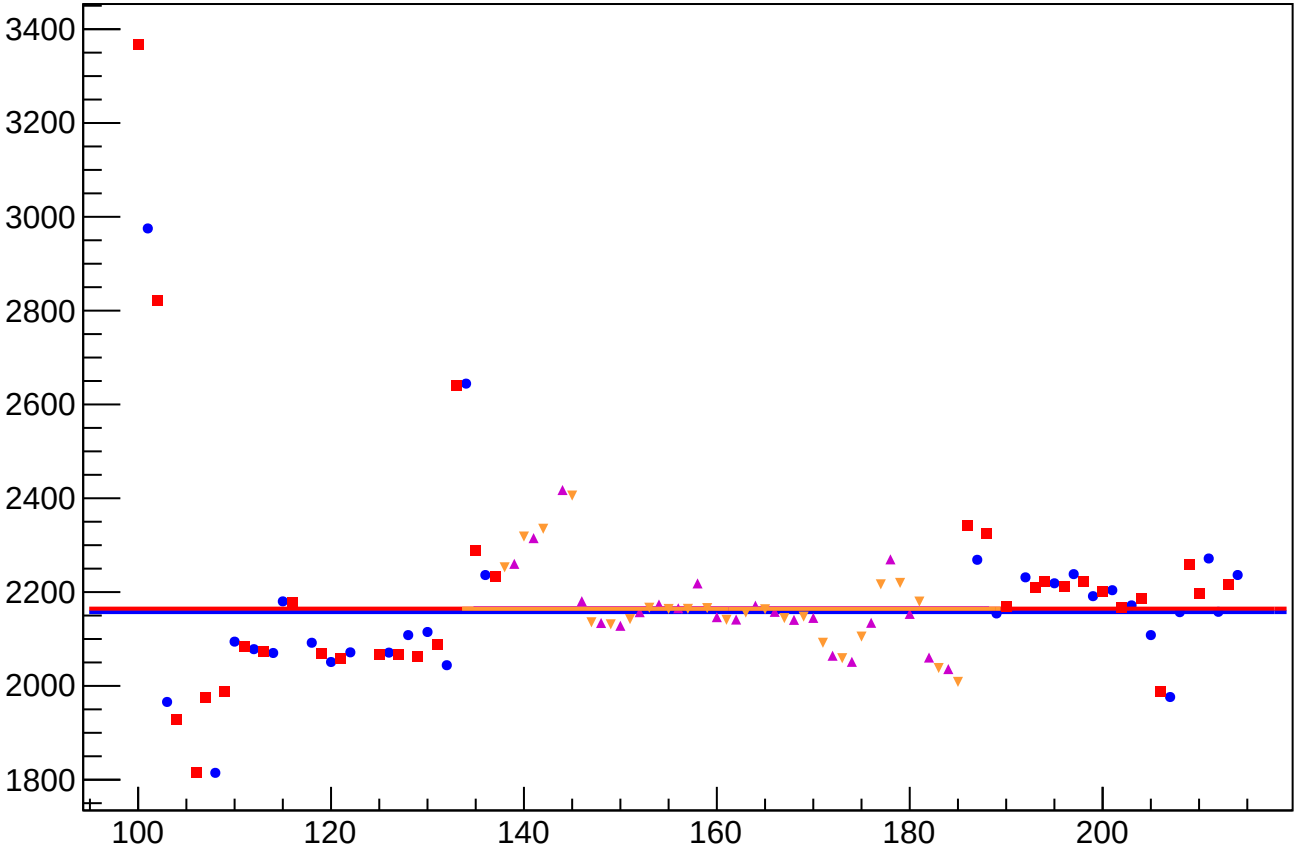
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -800.238+/-356.504 χ^2/NDF: 46.6/53

All: -473.763+/-252.474 χ^2/NDF: 92.4/108

- sign -145.272+/-357.603 χ^2/NDF: 44.1/54

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2157.340+/-0.357 χ^2/NDF: 207842.5/29

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

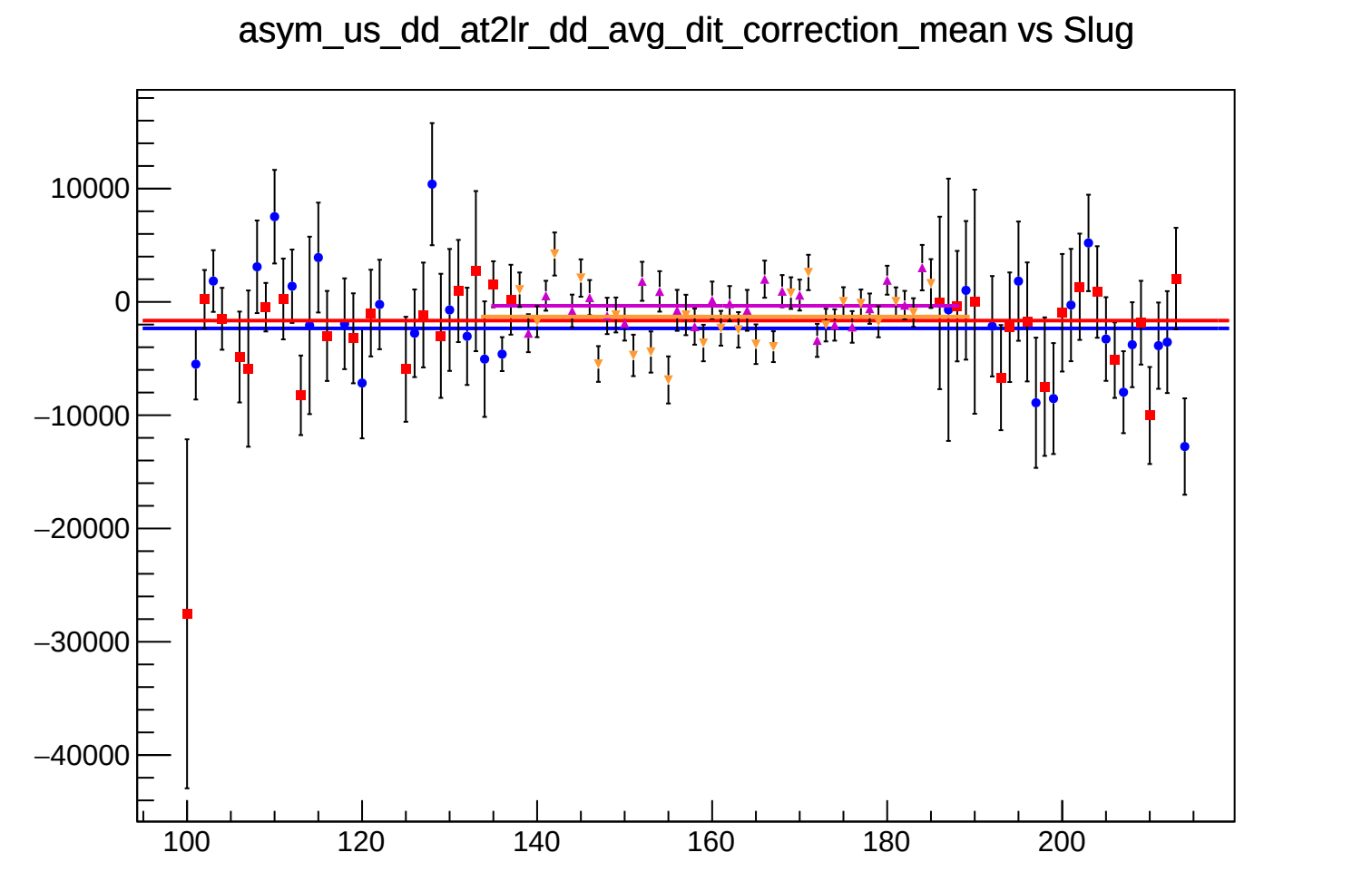
Right Out: 2164.729+/-0.357 χ^2/NDF: 208997.4/31

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2160.955+/-0.252 χ^2/NDF: 258722.3/53

All: 2163.064+/-0.179 χ^2/NDF: 519987.8/108

- sign 2165.185+/-0.253 χ^2/NDF: 261125.1/54



Right In: -2337.846+/-700.773 χ^2/NDF: 39.4/29

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

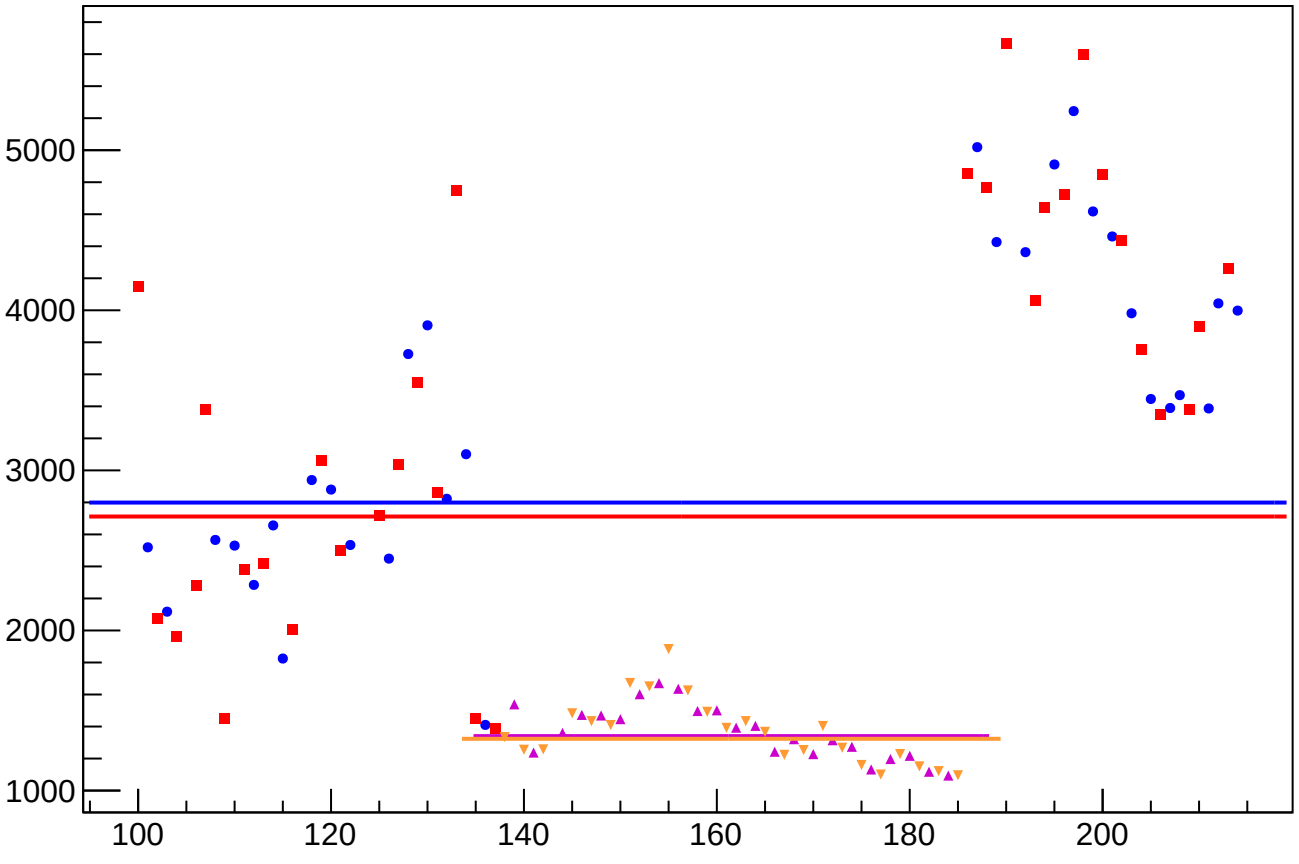
Right Out: -1648.323+/-686.642 χ^2/NDF: 22.0/31

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1465.175+/-283.975 χ^2/NDF: 100.0/53

All: -1021.513+/-201.769 χ^2/NDF: 154.7/108

- sign -569.186+/-286.735 χ^2/NDF: 49.7/54



Right In: 2798.980+/-0.496 χ^2/NDF: 4526988.6/29

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

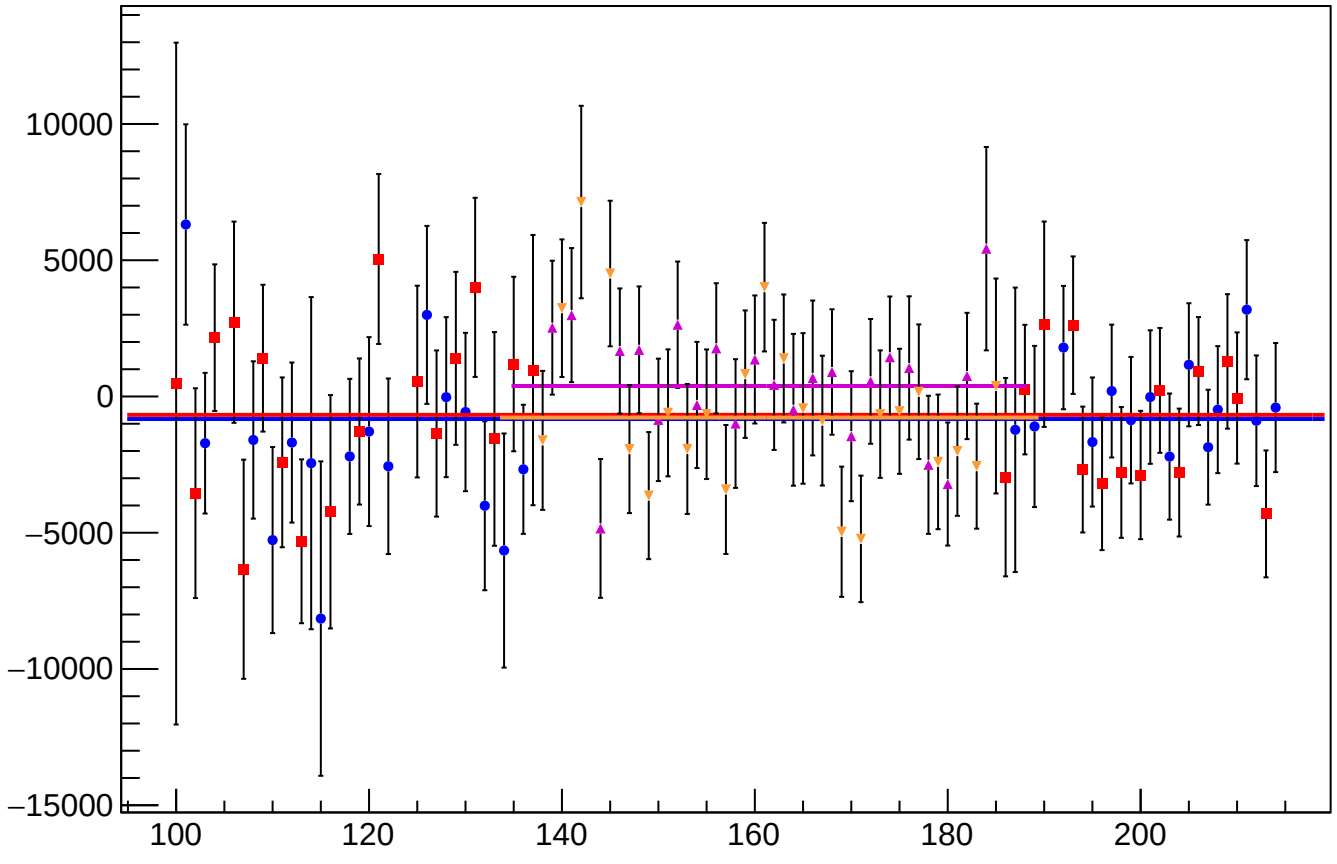
Right Out: 2711.811+/-0.486 χ^2/NDF: 5700997.4/31

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1565.710+/-0.201 χ^2/NDF: 12602171.7/53

All: 1572.433+/-0.143 χ^2/NDF: 25389684.1/1

- sign 1579.288+/-0.203 χ^2/NDF: 12785248.4/54



Right In: -827.182+/-505.539 χ^2/NDF: 18.0/29

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -674.450+/-505.403 χ^2/NDF: 26.3/31

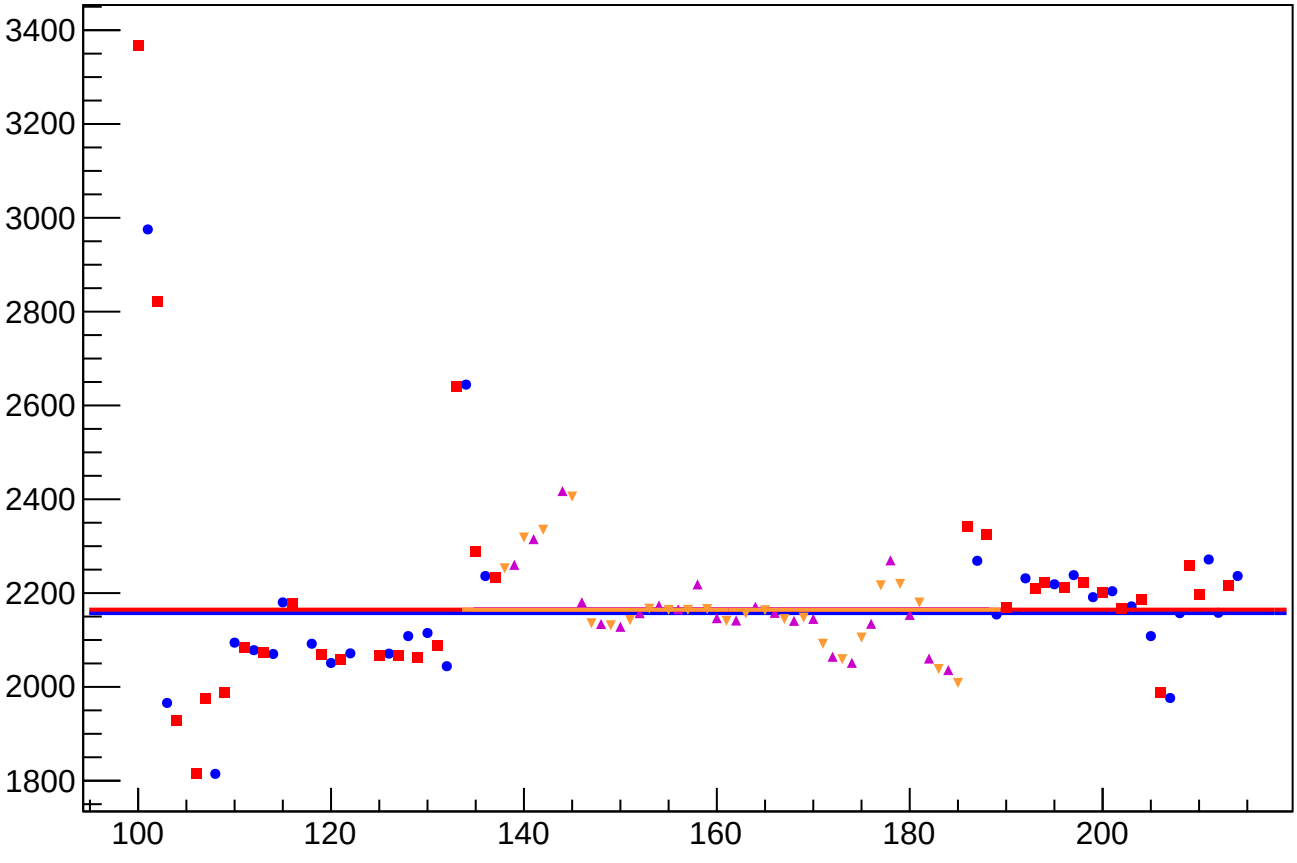
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -800.234+/-356.504 χ^2/NDF: 46.6/53

All: -473.761+/-252.474 χ^2/NDF: 92.4/108

- sign -145.270+/-357.603 χ^2/NDF: 44.1/54

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2157.339+/-0.357 χ^2/NDF: 207842.5/29

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

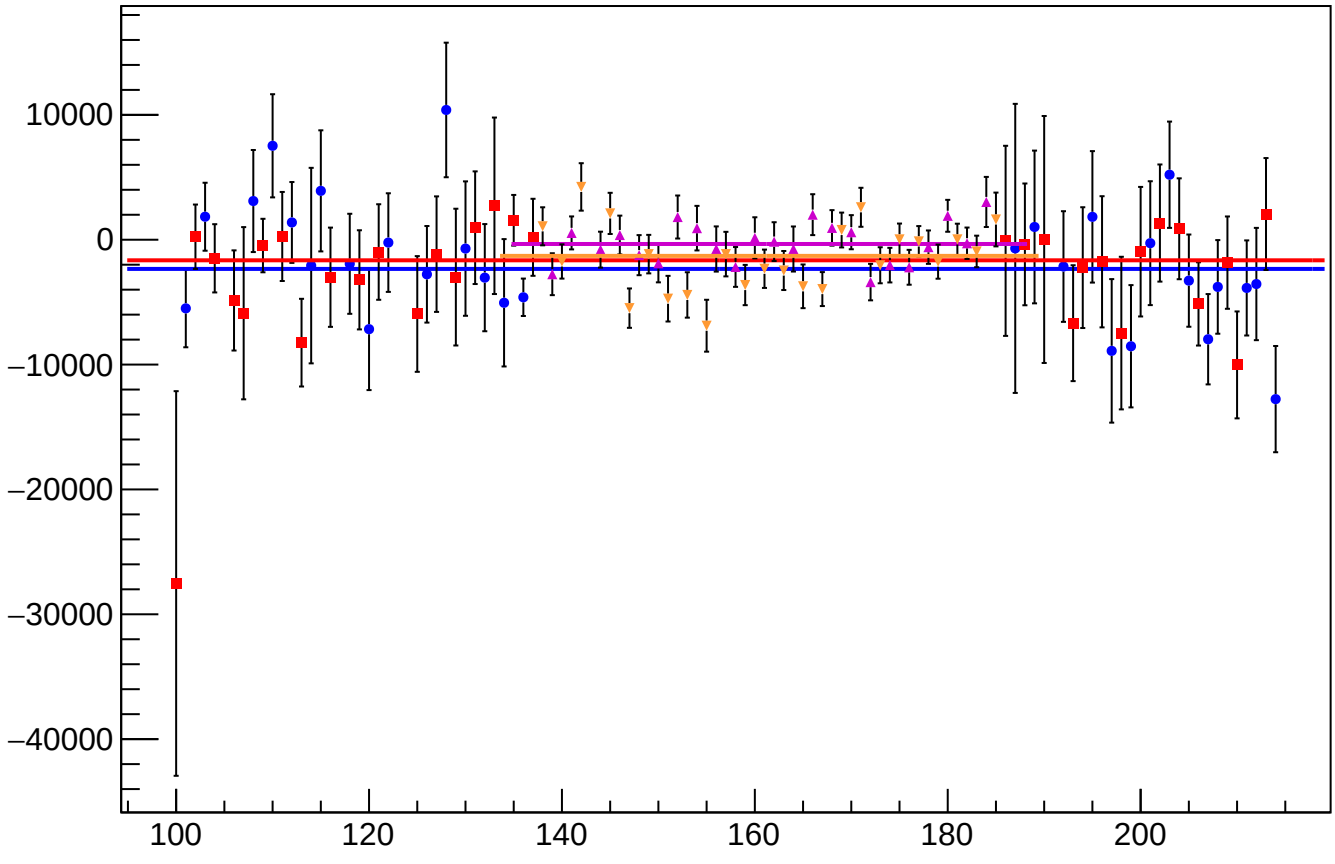
Right Out: 2164.728+/-0.357 χ^2/NDF: 208997.3/31

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2160.955+/-0.252 χ^2/NDF: 258722.3/53

All: 2163.064+/-0.179 χ^2/NDF: 519987.7/108

- sign 2165.185+/-0.253 χ^2/NDF: 261125.0/54



Right In: -2337.841+/-700.774 χ^2/NDF: 39.4/29

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

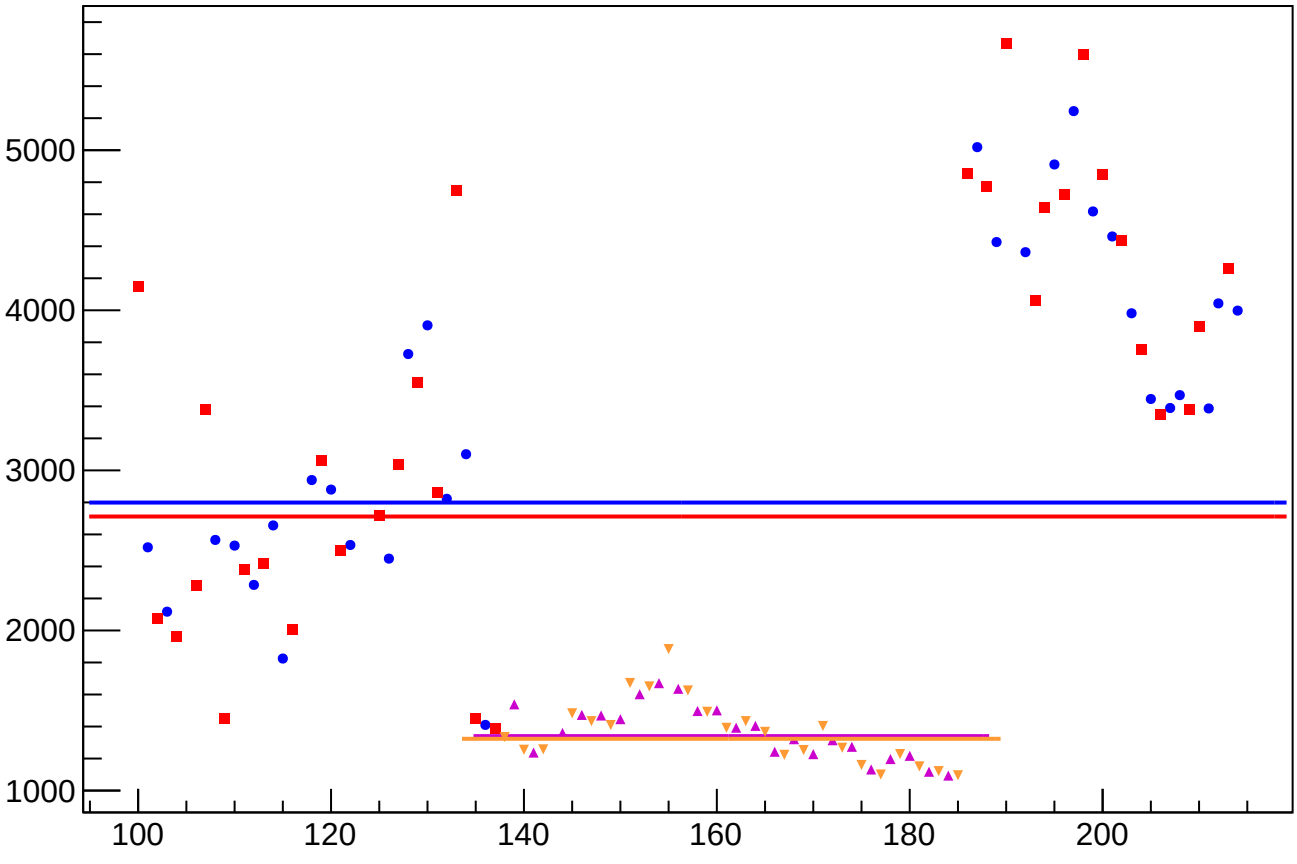
Right Out: -1648.336+/-686.644 χ^2/NDF: 22.0/31

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1465.174+/-283.975 χ^2/NDF: 100.0/53

All: -1021.512+/-201.769 χ^2/NDF: 154.7/108

- sign -569.185+/-286.734 χ^2/NDF: 49.7/54



Right In: 2798.991+/-0.496 χ^2/NDF: 4526883.8/29

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2711.823+/-0.486 χ^2/NDF: 5700900.4/31

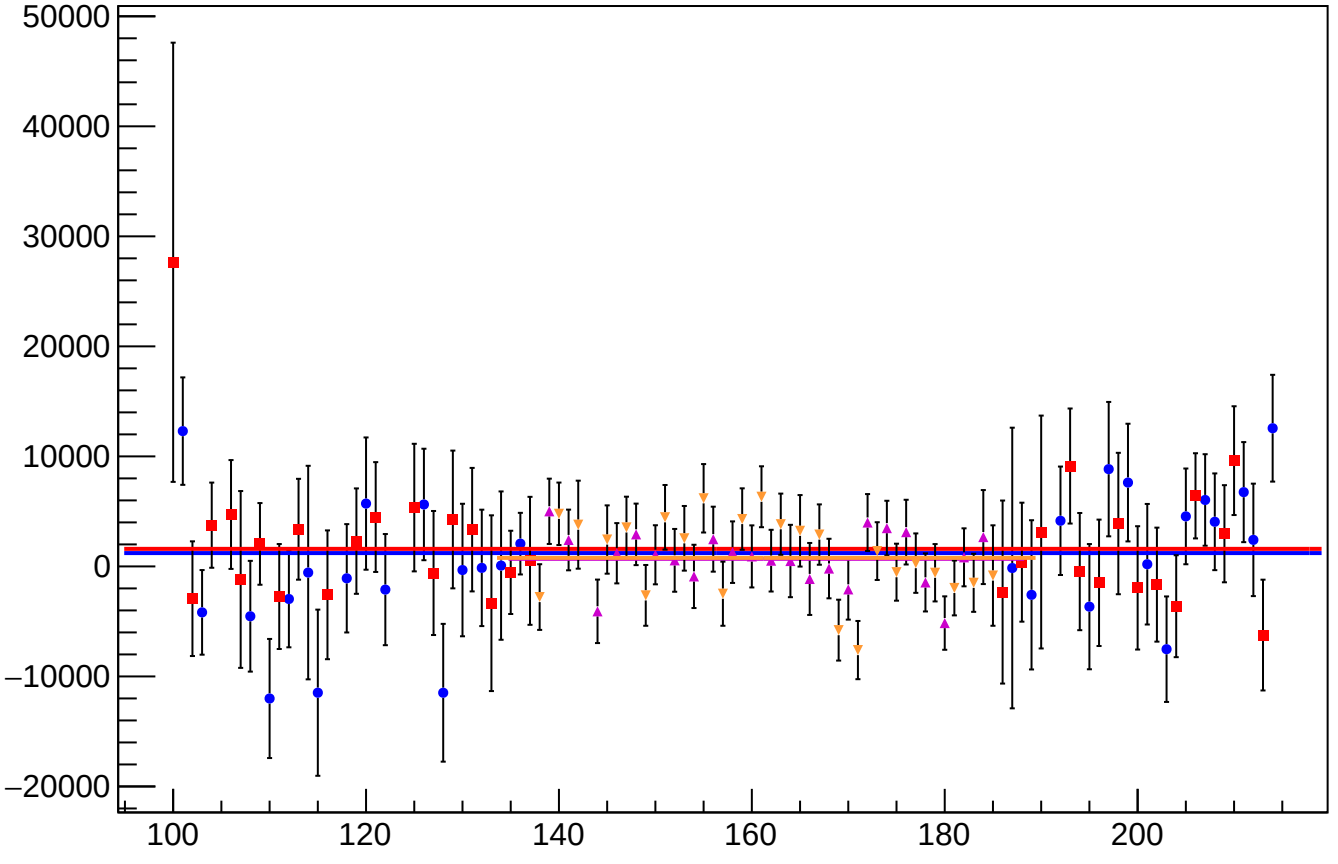
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1565.711+/-0.201 χ^2/NDF: 12602147.1/53

All: 1572.433+/-0.143 χ^2/NDF: 25389671.6/1

- sign 1579.287+/-0.203 χ^2/NDF: 12785261.0/54

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1211.474+/-921.128 χ^2/NDF: 41.6/29

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1595.772+/-924.074 χ^2/NDF: 18.4/31

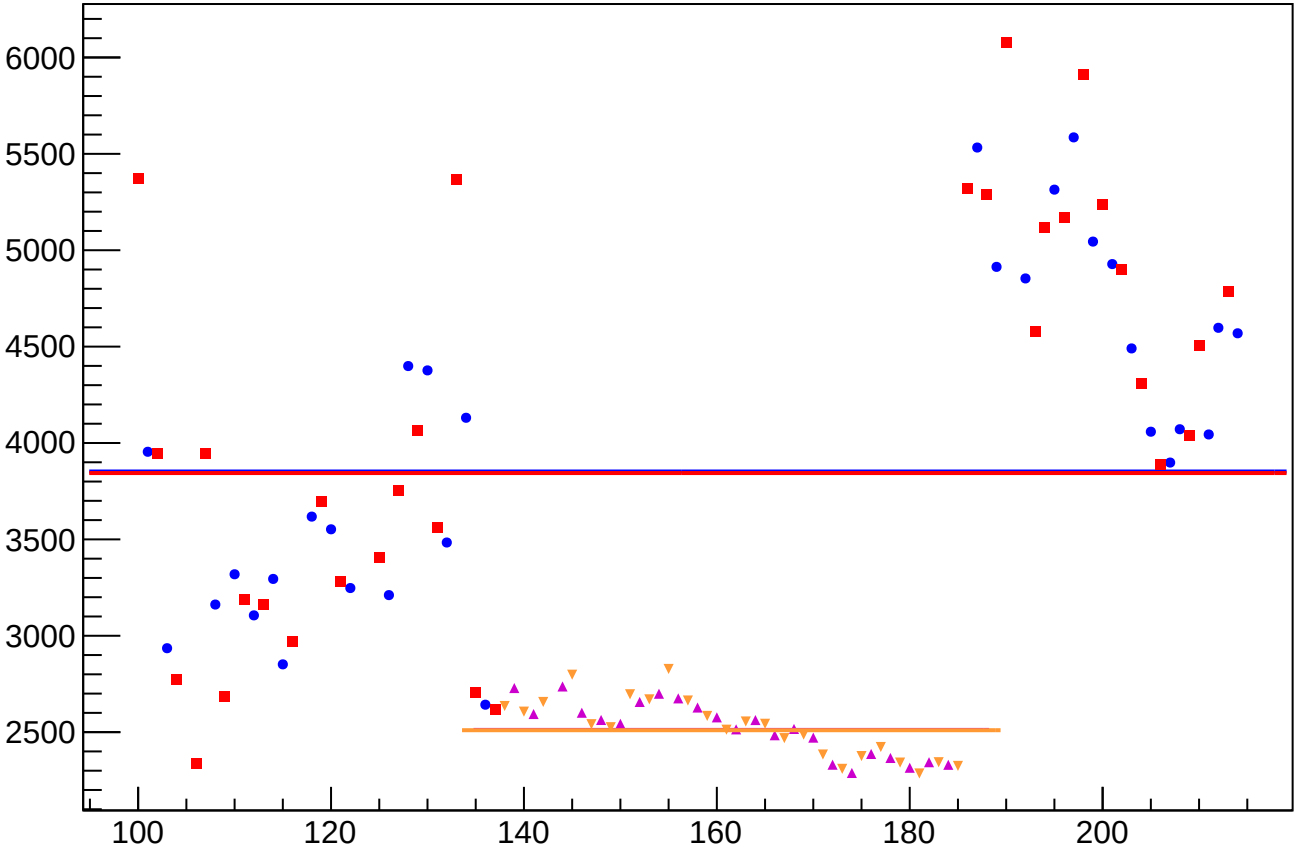
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 899.898+/-493.039 χ^2/NDF: 81.1/53

All: 925.146+/-349.583 χ^2/NDF: 118.6/108

- sign 950.672+/-495.742 χ^2/NDF: 37.4/54

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3852.146+/-0.651 χ^2/NDF: 1528985.7/29

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

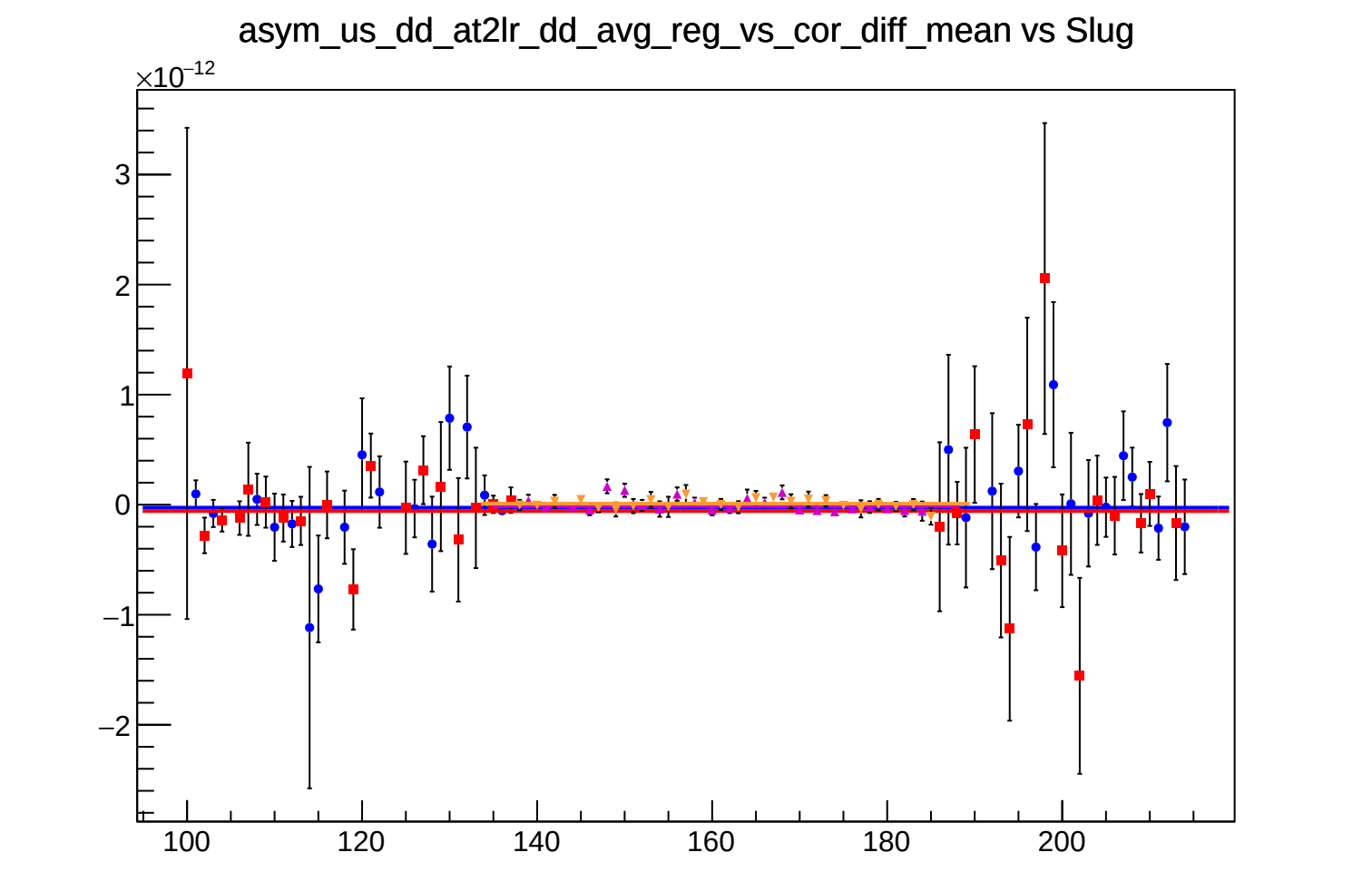
Right Out: 3844.093+/-0.653 χ^2/NDF: 2162060.2/31

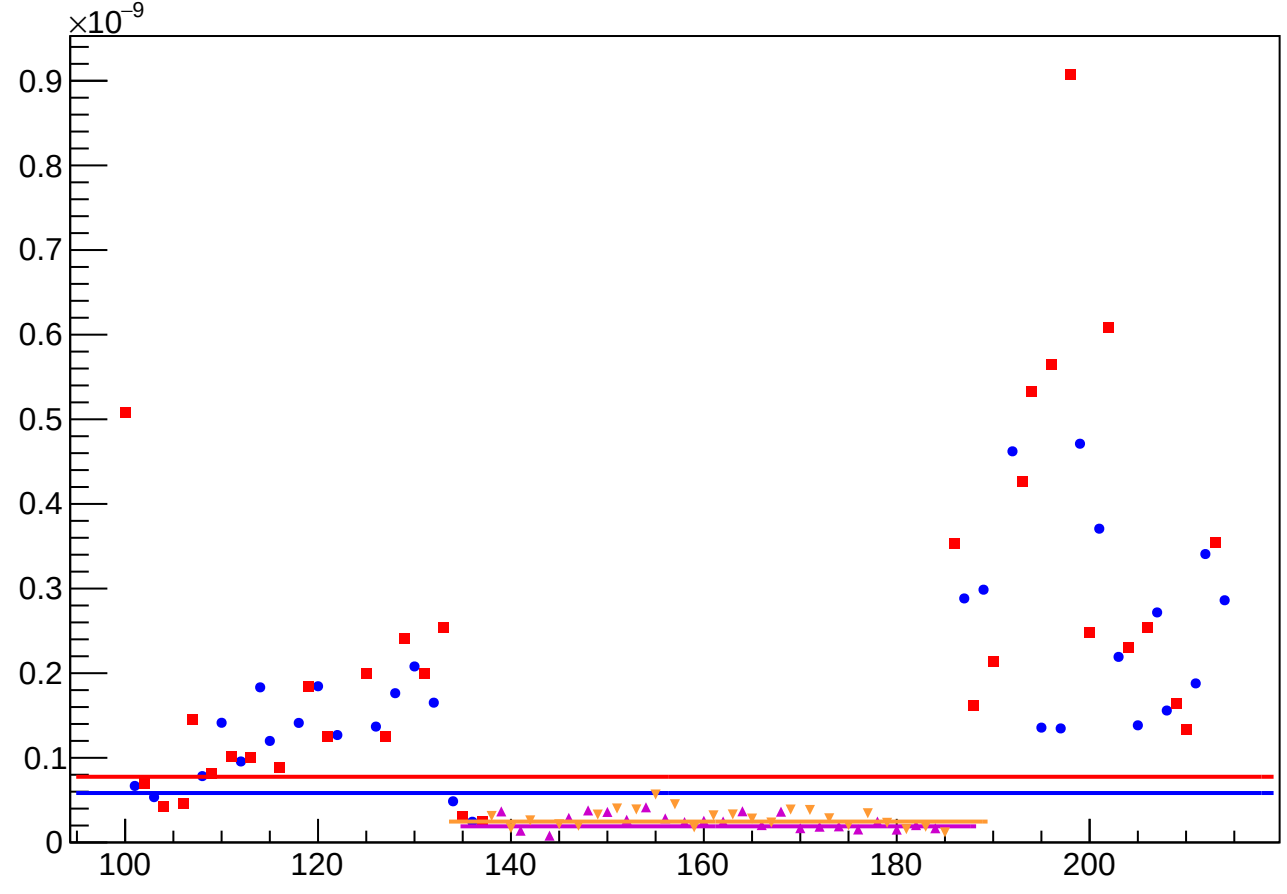
Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2894.573+/-0.349 χ^2/NDF: 4686907.4/53

All: 2894.841+/-0.247 χ^2/NDF: 9924161.0/10

- sign 2895.112+/-0.351 χ^2/NDF: 5237252.3/54


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
Right In: -0.000+/-0.000 χ²/NDF: 22.5/29
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/31
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 35.8/53
All: -0.000+/-0.000 χ²/NDF: 93.5/108
- sign -0.000+/-0.000 χ²/NDF: 54.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 7637496.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

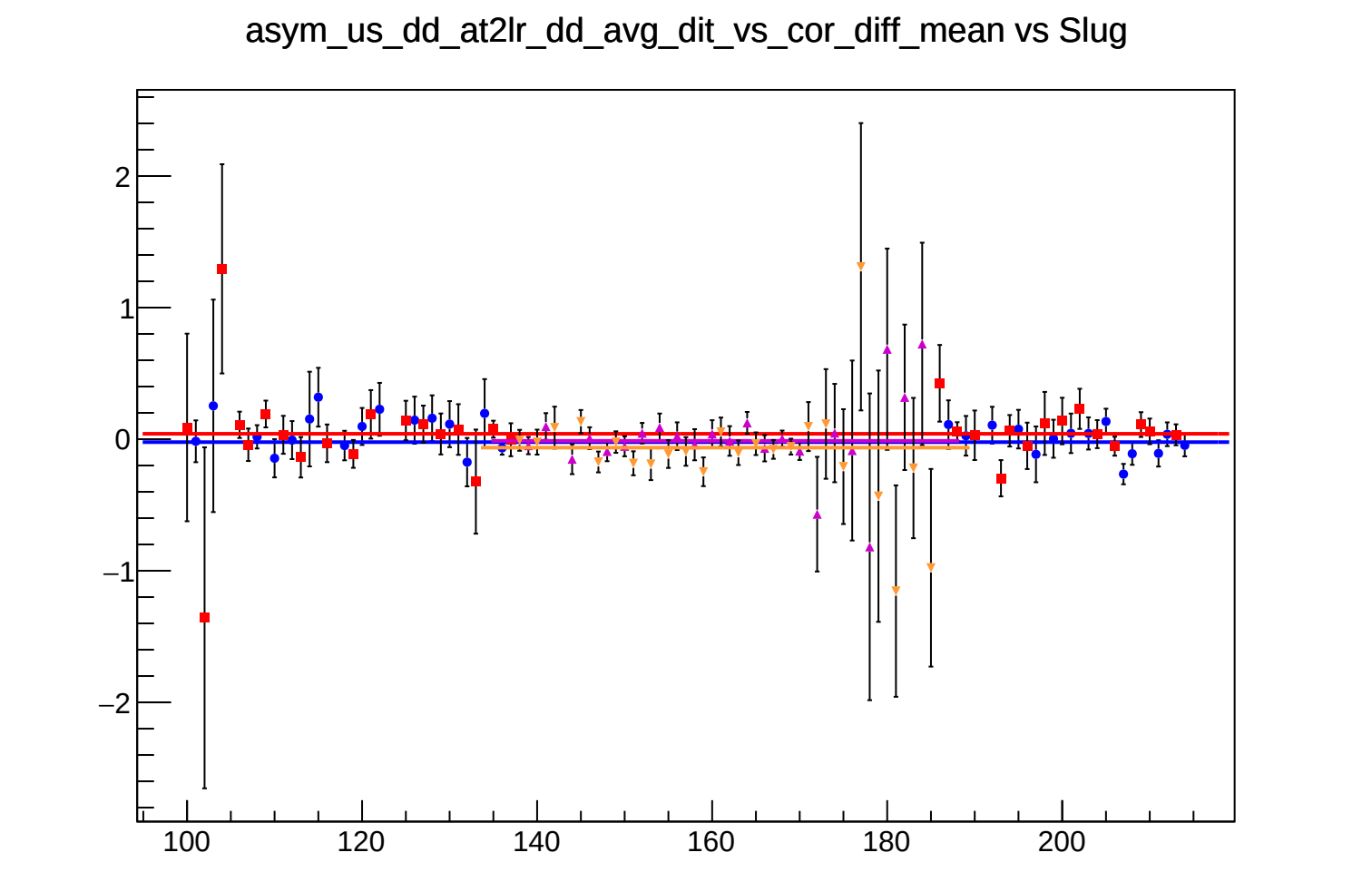
Right Out: 0.000+/-0.000 χ^2/NDF: 7904926.1/31

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10984542.0/53

All: 0.000+/-0.000 χ^2/NDF: 25494274.7/108

- sign 0.000+/-0.000 χ^2/NDF: 14056866.3/54



Right In: -0.022+/-0.022 χ^2/NDF: 28.0/29

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

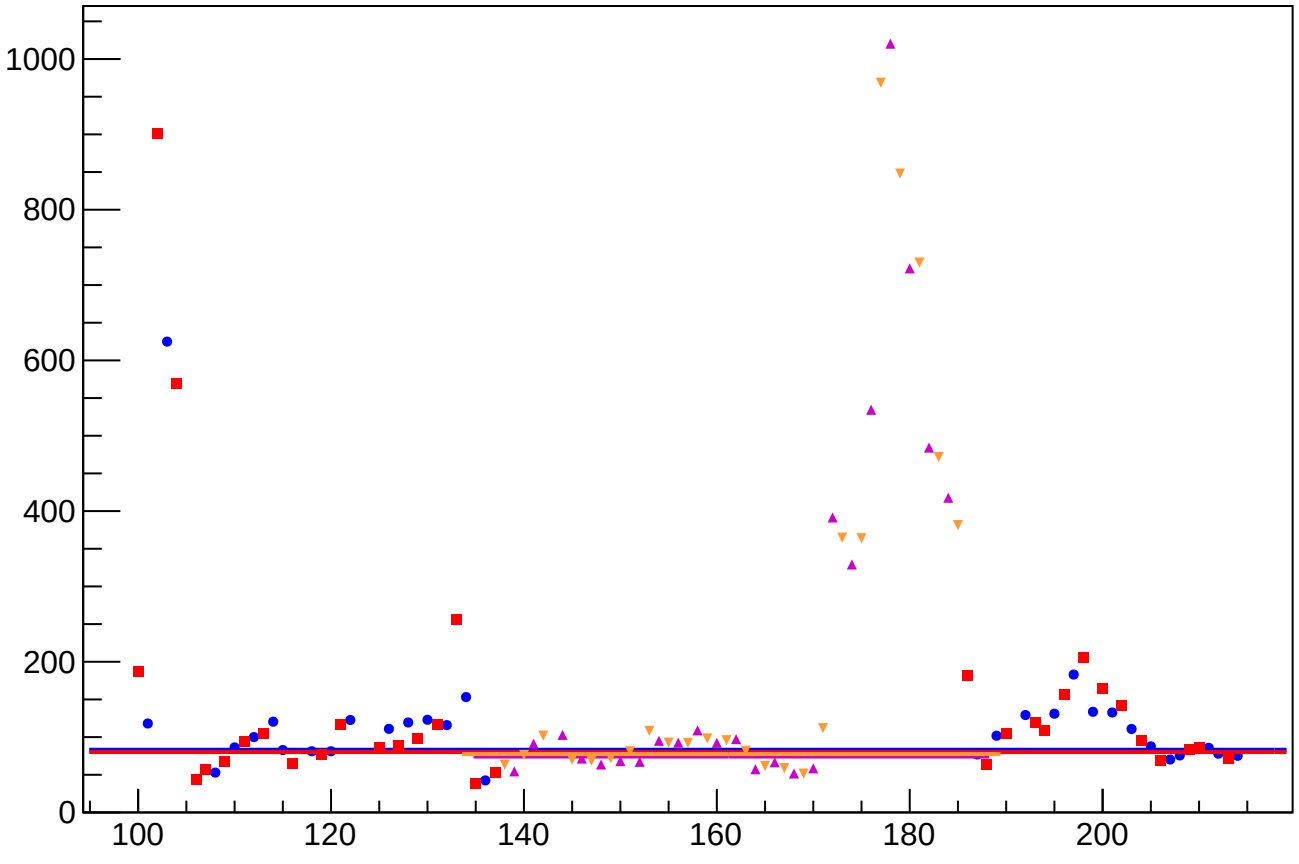
Right Out: 0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.016 χ^2/NDF: 52.2/53

All: -0.014+/-0.011 χ^2/NDF: 102.7/108

- sign 0.014+/-0.015 χ^2/NDF: 43.6/54



Right In: 83.222+/-0.015 χ^2/NDF: 4618440.8/29

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

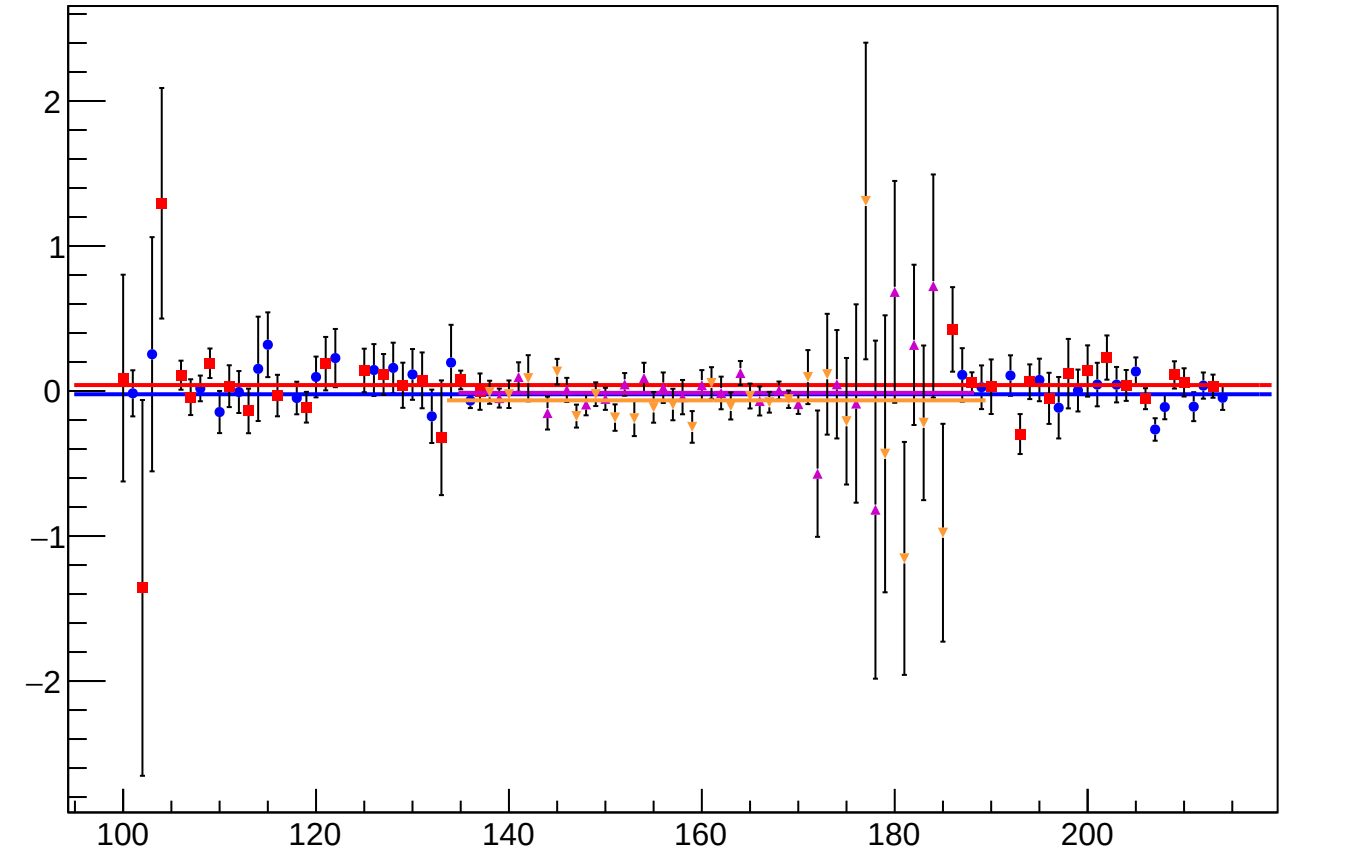
Right Out: 80.182+/-0.015 χ^2/NDF: 6080193.8/31

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.411+/-0.011 χ^2/NDF: 13016627.8/53

All: 78.724+/-0.008 χ^2/NDF: 27734625.6/108

- sign 77.128+/-0.011 χ^2/NDF: 14672145.7/54



Right In: -0.022+/-0.022 χ^2/NDF: 28.0/29

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

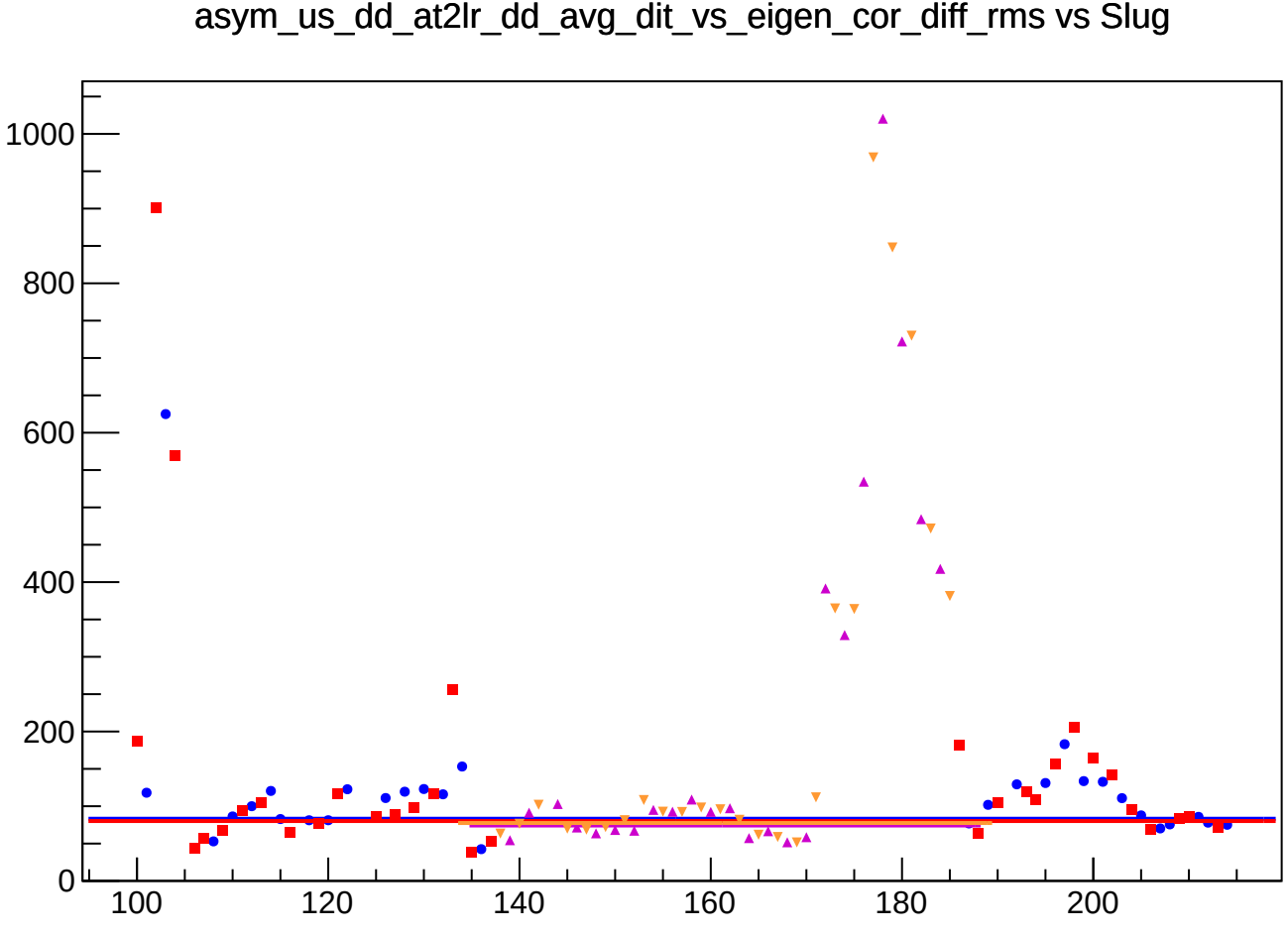
Right Out: 0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.016 χ^2/NDF: 52.2/53

All: -0.014+/-0.011 χ^2/NDF: 102.7/108

- sign 0.014+/-0.015 χ^2/NDF: 43.6/54



Right In: 83.222+/-0.015 χ^2/NDF: 4618440.8/29

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

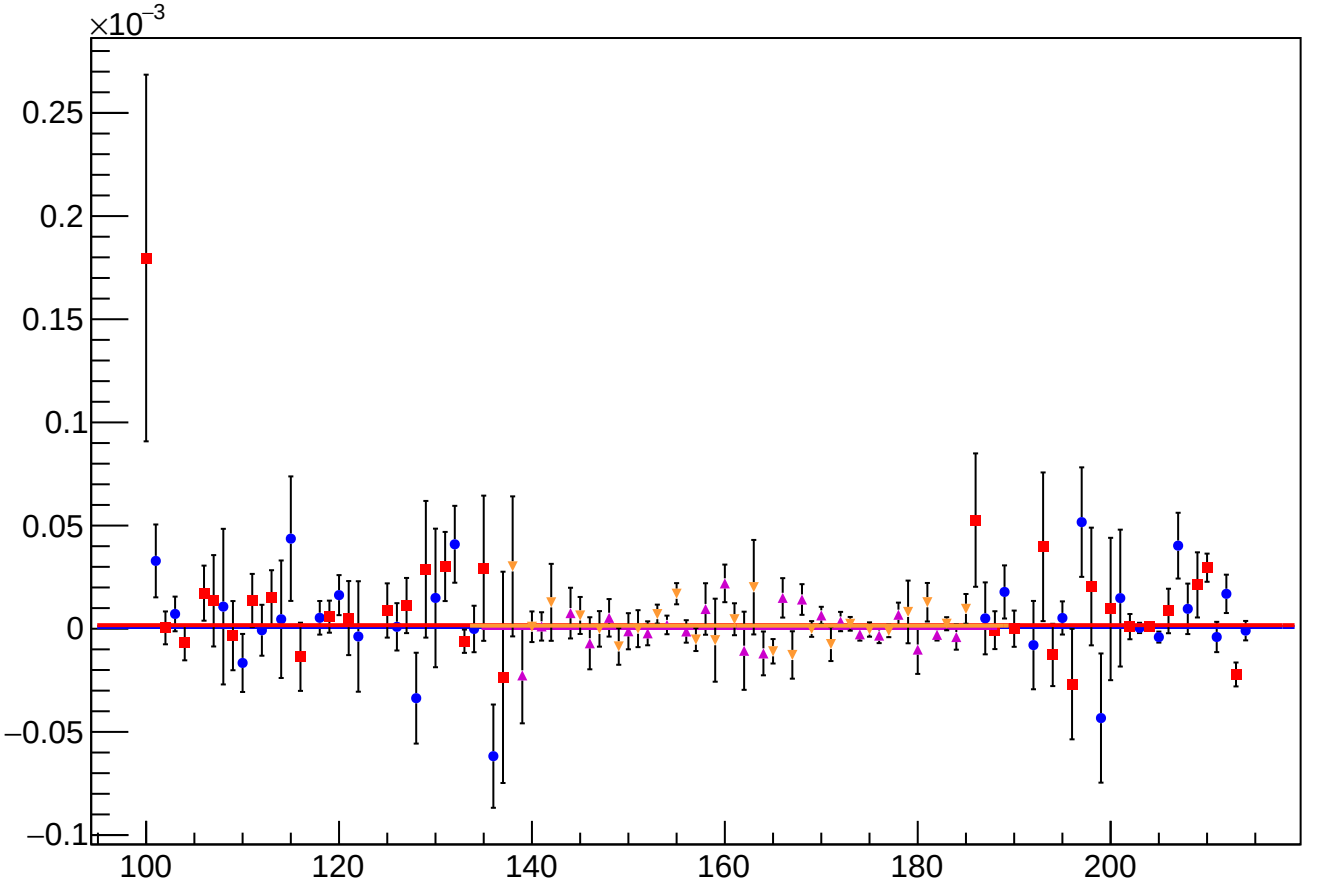
Right Out: 80.182+/-0.015 χ^2/NDF: 6080193.8/31

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 80.411+/-0.011 χ^2/NDF: 13016627.8/53

All: 78.724+/-0.008 χ^2/NDF: 27734625.6/108

- sign 77.128+/-0.011 χ^2/NDF: 14672145.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 45.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

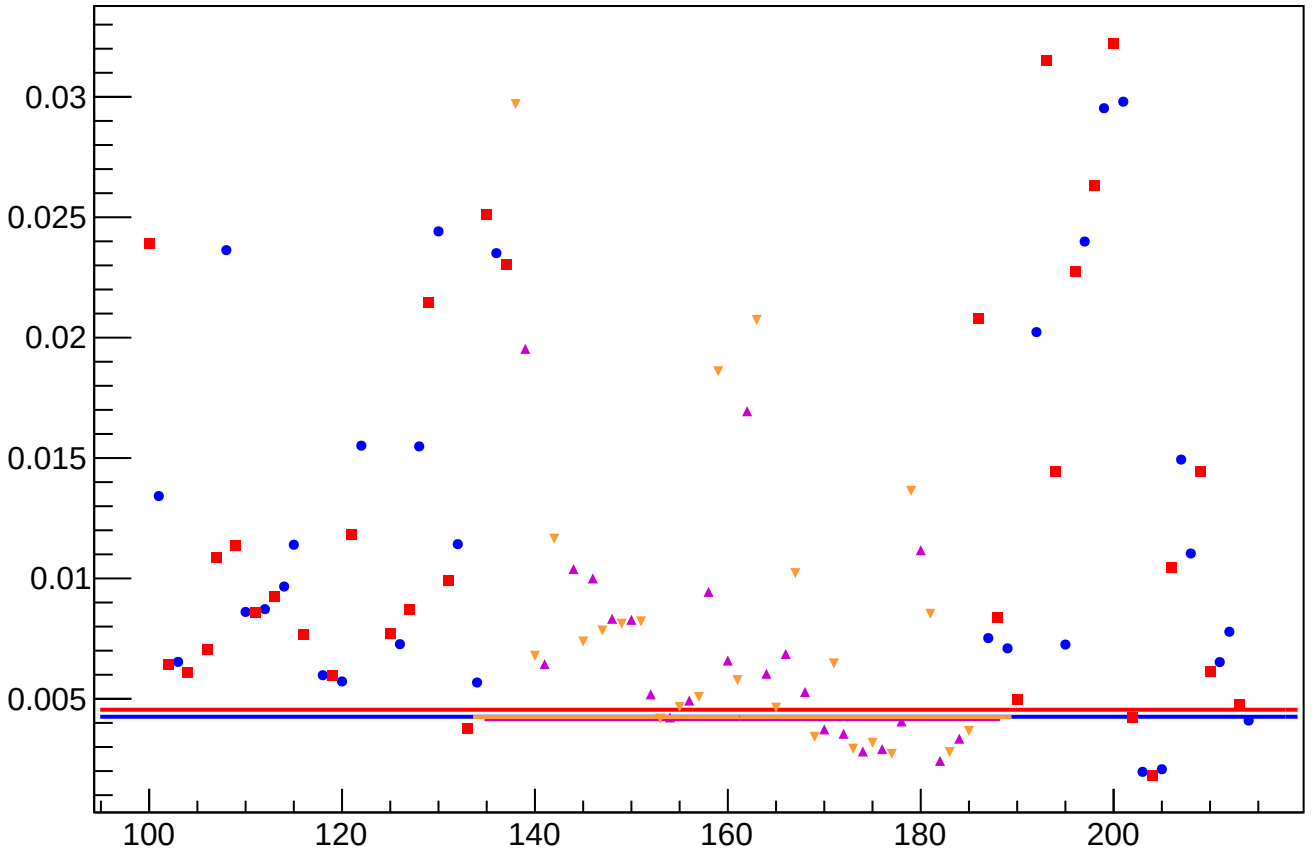
Right Out: 0.000+/-0.000 χ^2/NDF: 58.8/31

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.8/53

All: 0.000+/-0.000 χ^2/NDF: 156.8/108

- sign 0.000+/-0.000 χ^2/NDF: 83.9/54



Right In: 0.004+/-0.000 χ^2/NDF: 15402141.1/29

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

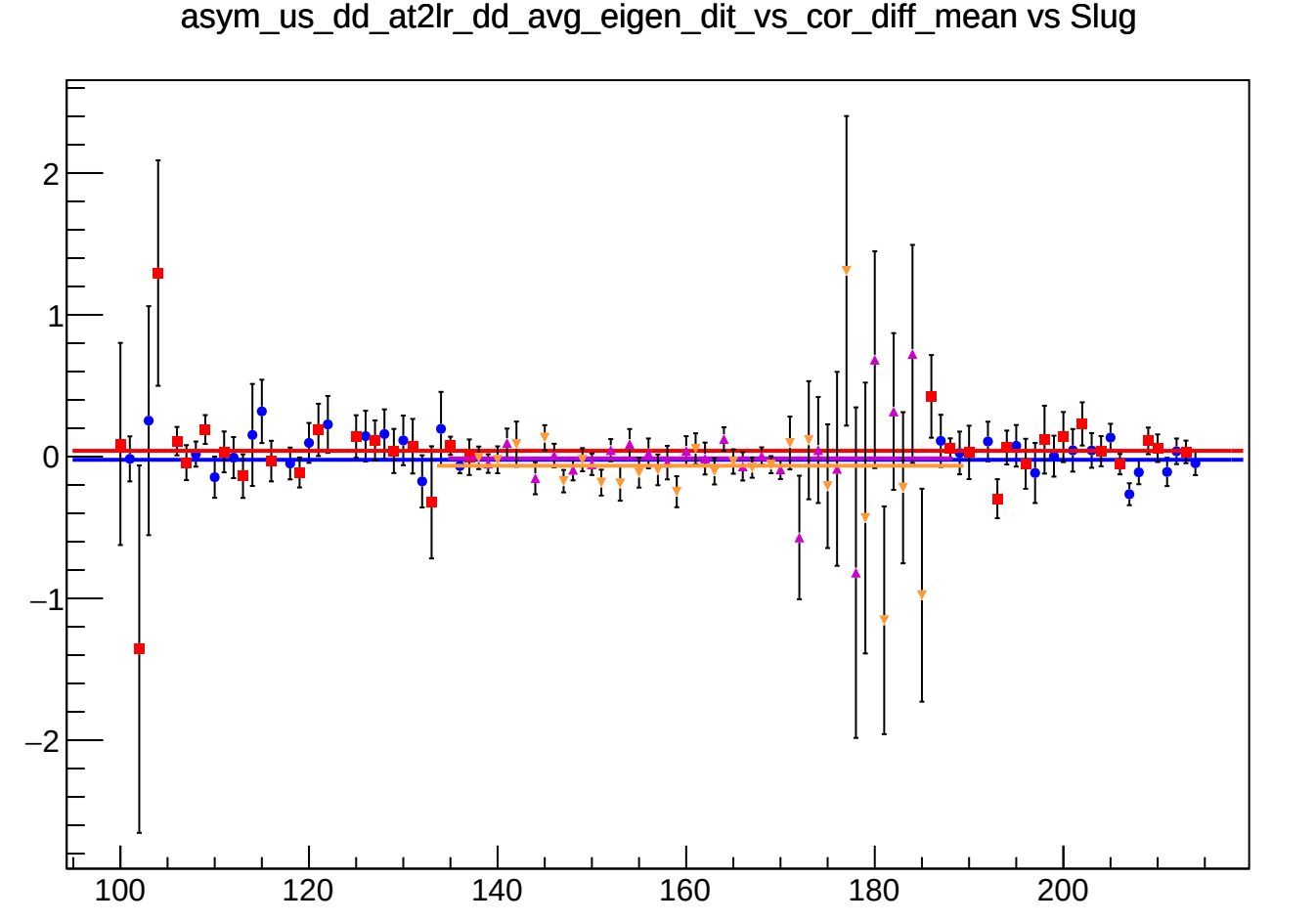
Right Out: 0.005+/-0.000 χ^2/NDF: 14865641.5/31

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 24053121.7/53

All: 0.004+/-0.000 χ^2/NDF: 45898289.9/108

- sign 0.004+/-0.000 χ^2/NDF: 21840549.3/54



Right In: -0.022+/-0.022 χ^2/NDF: 28.0/29

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

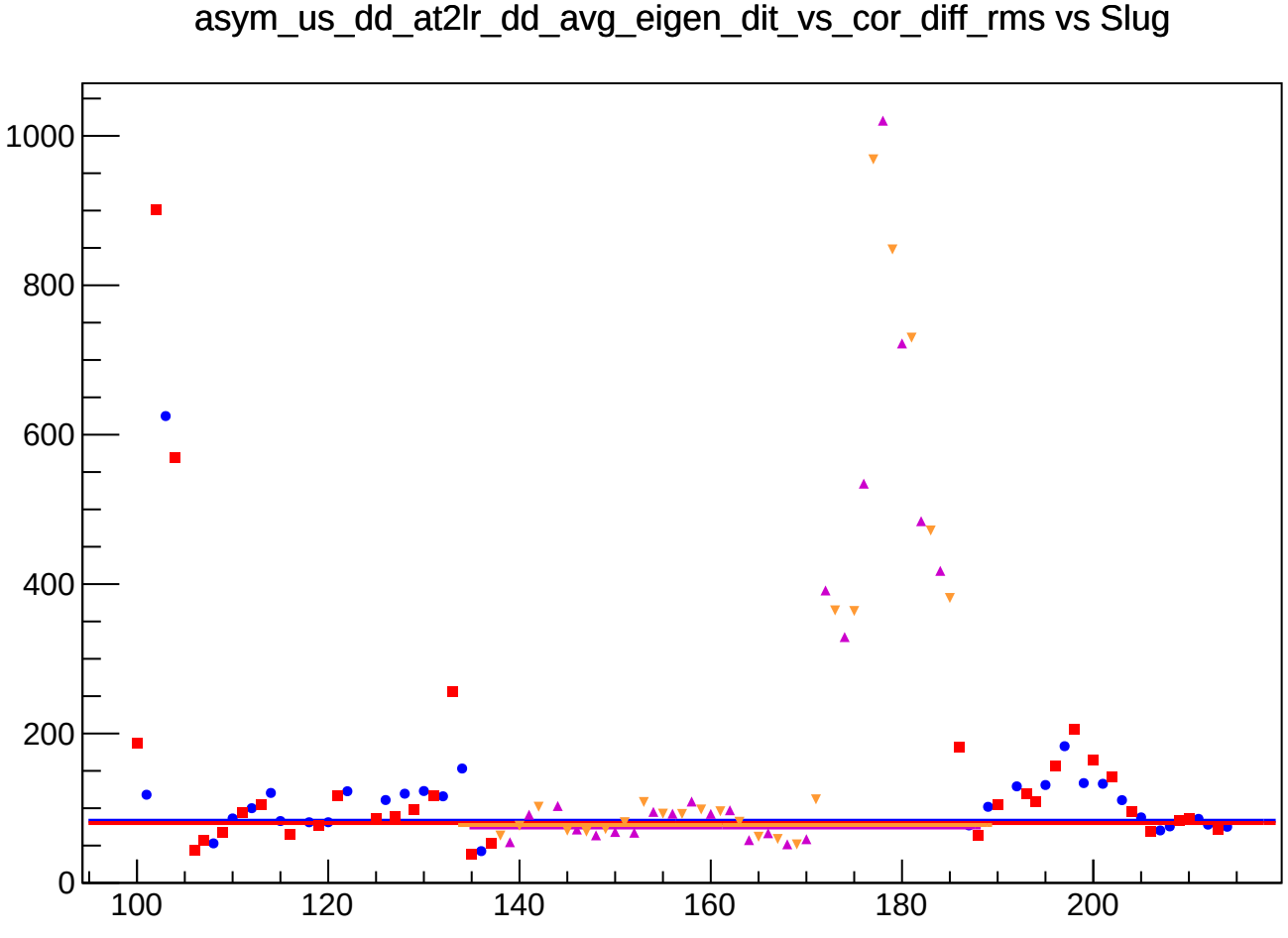
Right Out: 0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.016 χ^2/NDF: 52.2/53

All: -0.014+/-0.011 χ^2/NDF: 102.7/108

- sign 0.014+/-0.015 χ^2/NDF: 43.6/54



Right In: 83.234+/-0.015 χ^2/NDF: 4615184.7/29

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

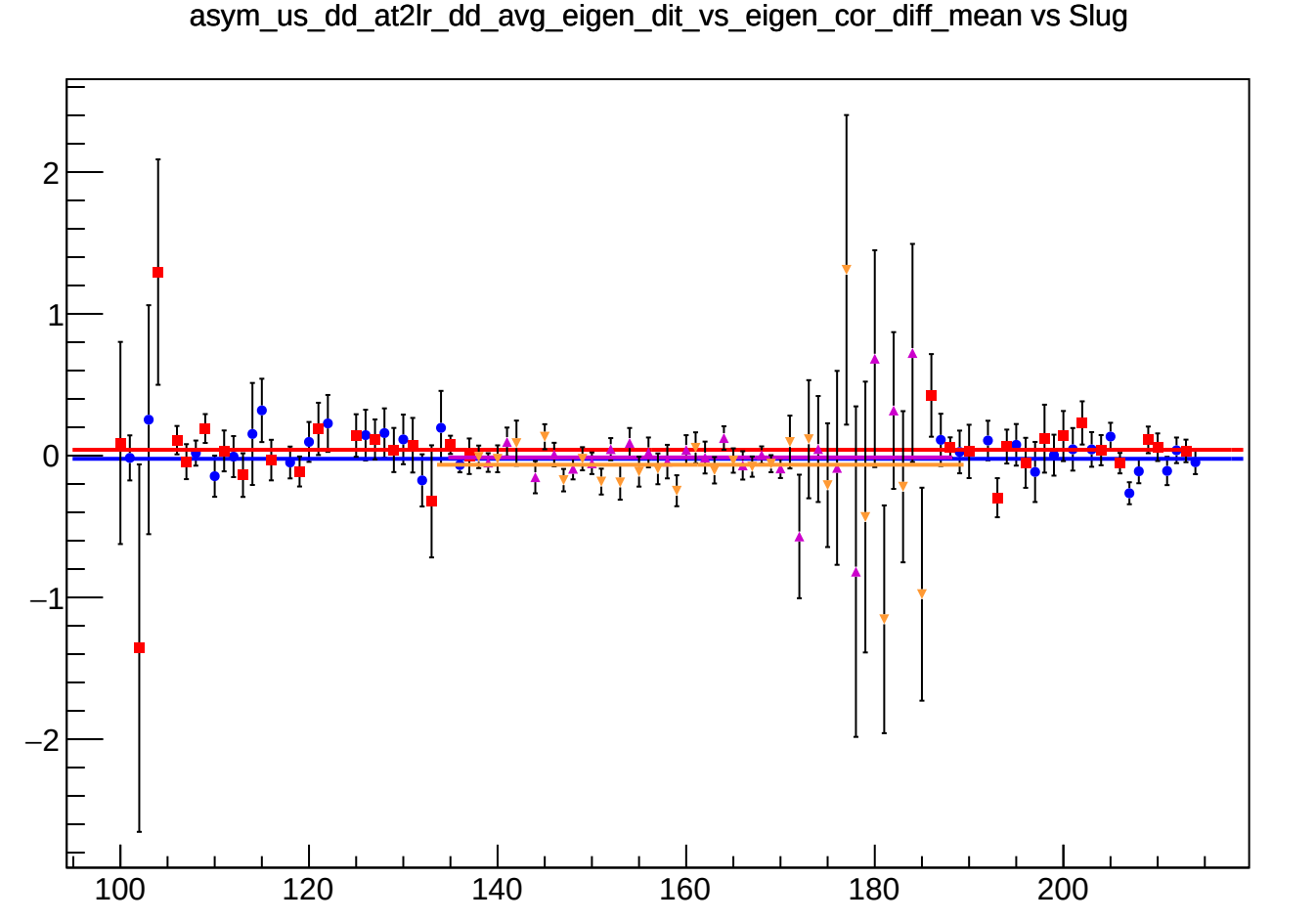
Right Out: 80.176+/-0.015 χ^2/NDF: 6081758.7/31

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.417+/-0.011 χ^2/NDF: 13013585.7/53

All: 78.726+/-0.008 χ^2/NDF: 27732900.8/108

- sign 77.126+/-0.011 χ^2/NDF: 14673238.1/54



Right In: -0.022+/-0.022 χ^2/NDF: 28.0/29

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

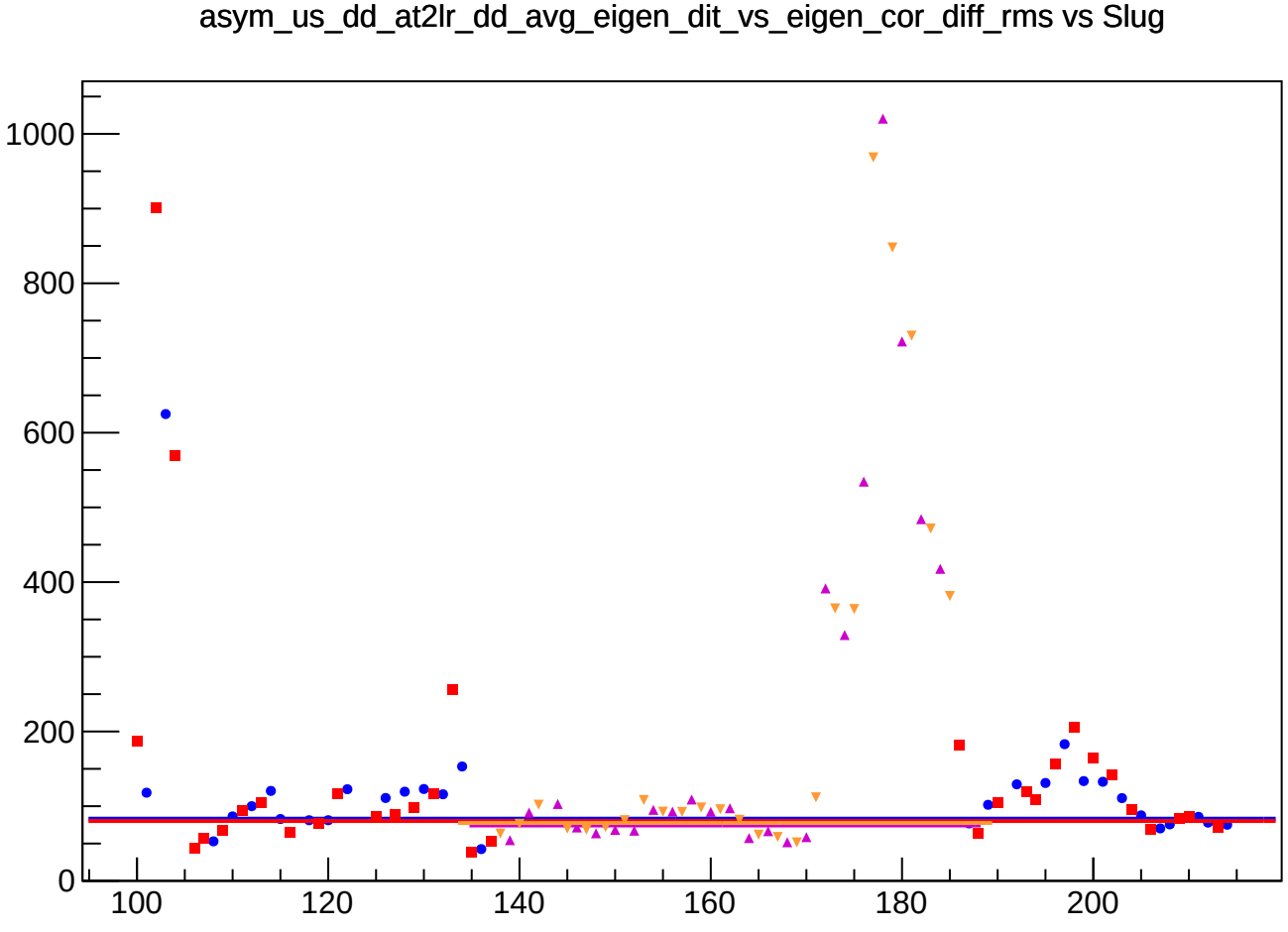
Right Out: 0.041+/-0.022 χ^2/NDF: 25.5/31

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.043+/-0.016 χ^2/NDF: 52.2/53

All: -0.014+/-0.011 χ^2/NDF: 102.7/108

- sign 0.014+/-0.015 χ^2/NDF: 43.6/54



Right In: 83.234+/-0.015 χ^2/NDF: 4615184.7/29

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

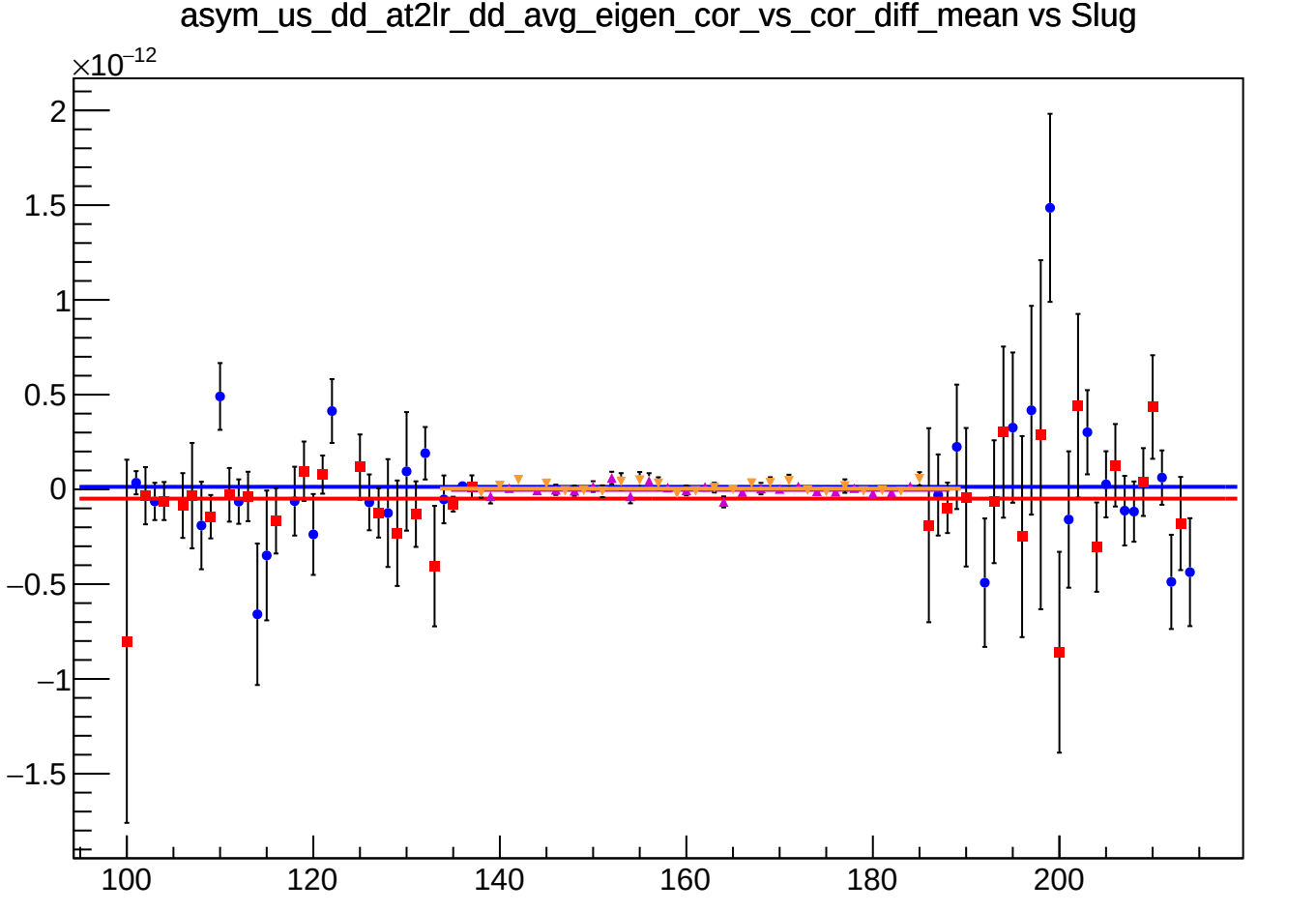
Right Out: 80.176+/-0.015 χ^2/NDF: 6081758.7/31

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 80.417+/-0.011 χ^2/NDF: 13013585.7/53

All: 78.726+/-0.008 χ^2/NDF: 27732900.8/108

- sign 77.126+/-0.011 χ^2/NDF: 14673238.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 45.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

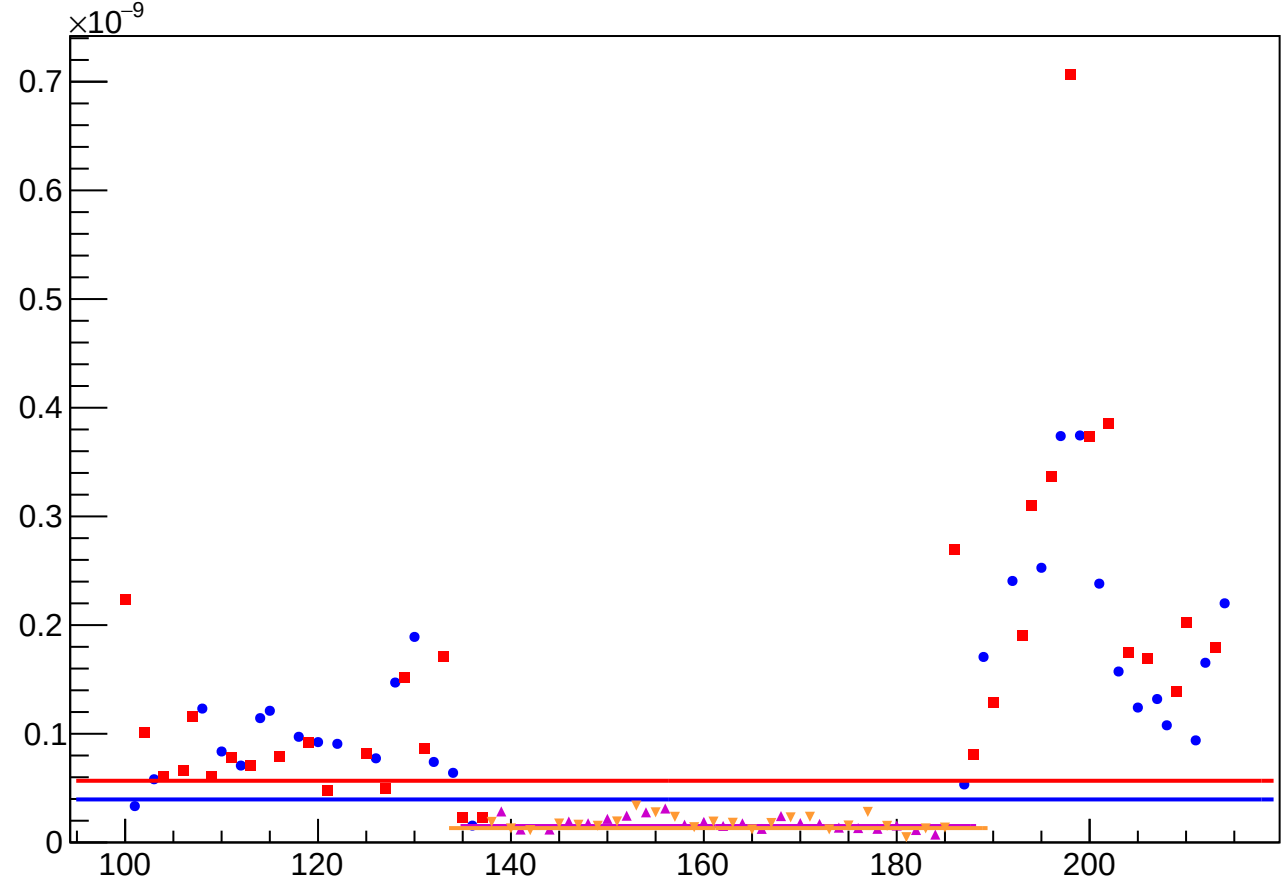
Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/31

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.7/53

All: 0.000+/-0.000 χ^2/NDF: 110.1/108

- sign -0.000+/-0.000 χ^2/NDF: 40.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 11964792.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10457380.4/31

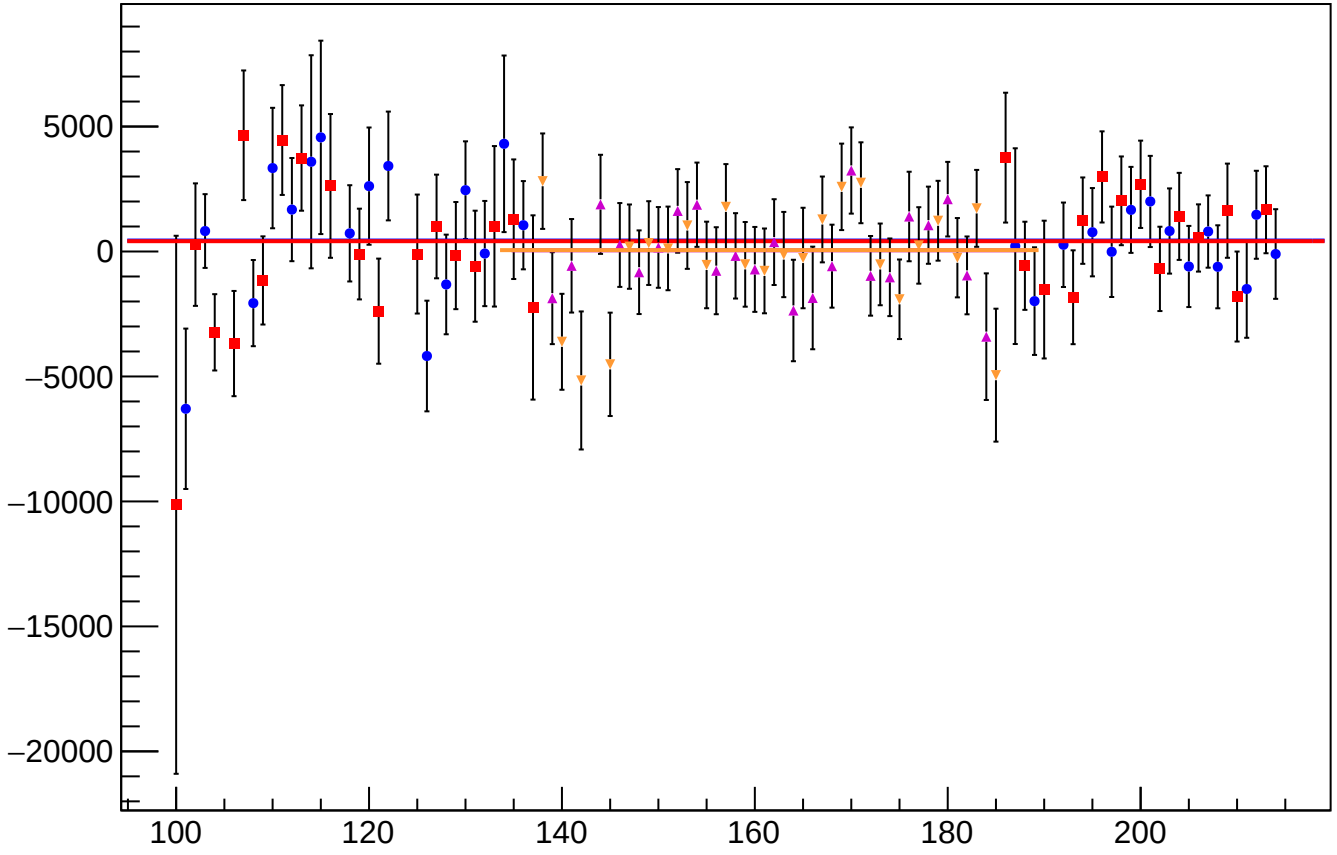
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20068470.6/53

All: 0.000+/-0.000 χ^2/NDF: 38981259.5/108

- sign 0.000+/-0.000 χ^2/NDF: 18680008.0/54

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 437.977+/-358.398 χ^2/NDF: 25.4/29

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 412.743+/-356.308 χ^2/NDF: 35.2/31

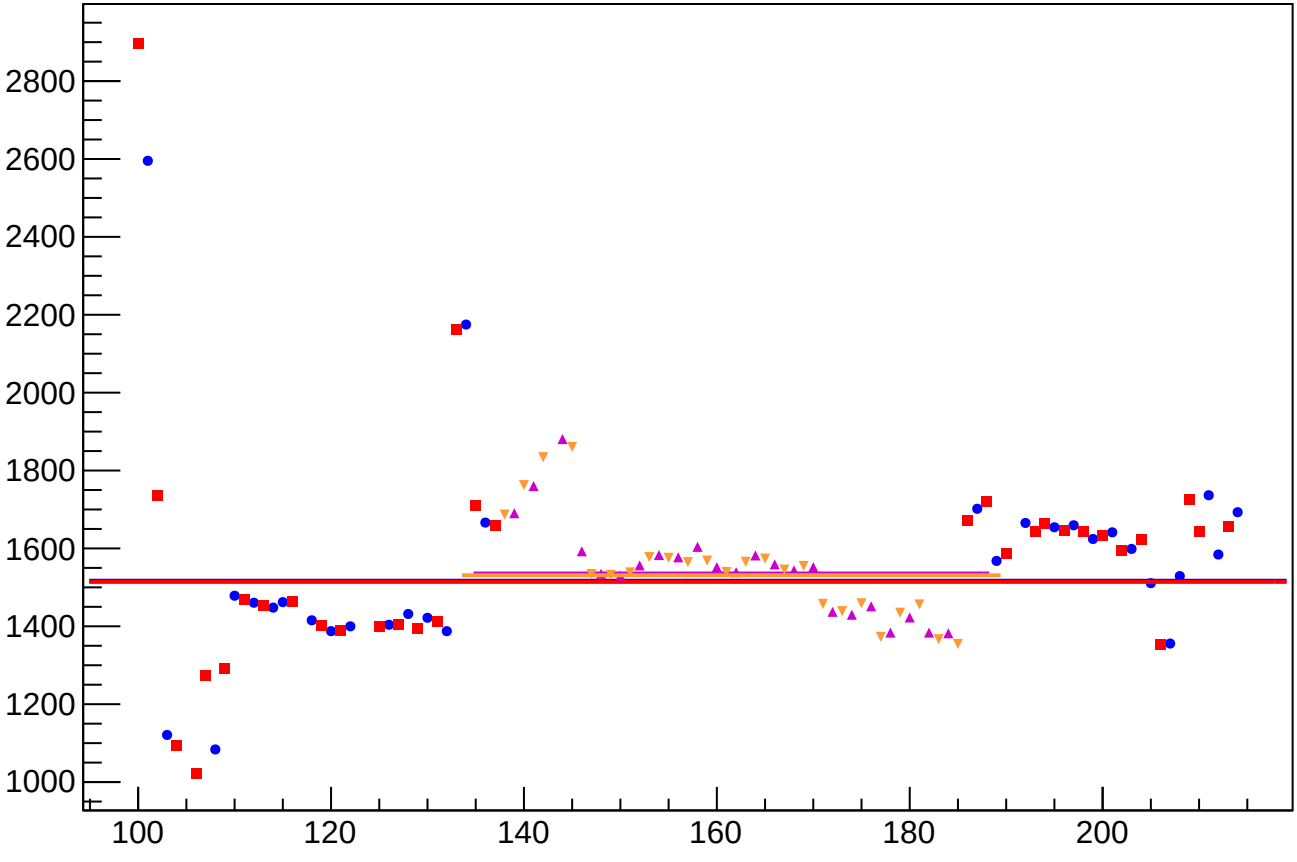
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

\+ sign 245.289+/-252.707 χ^2/NDF: 54.4/53

All: 238.705+/-178.822 χ^2/NDF: 106.9/108

\- sign 232.101+/-253.079 χ^2/NDF: 52.5/54

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1516.898+/-0.253 χ^2/NDF: 761102.5/29

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

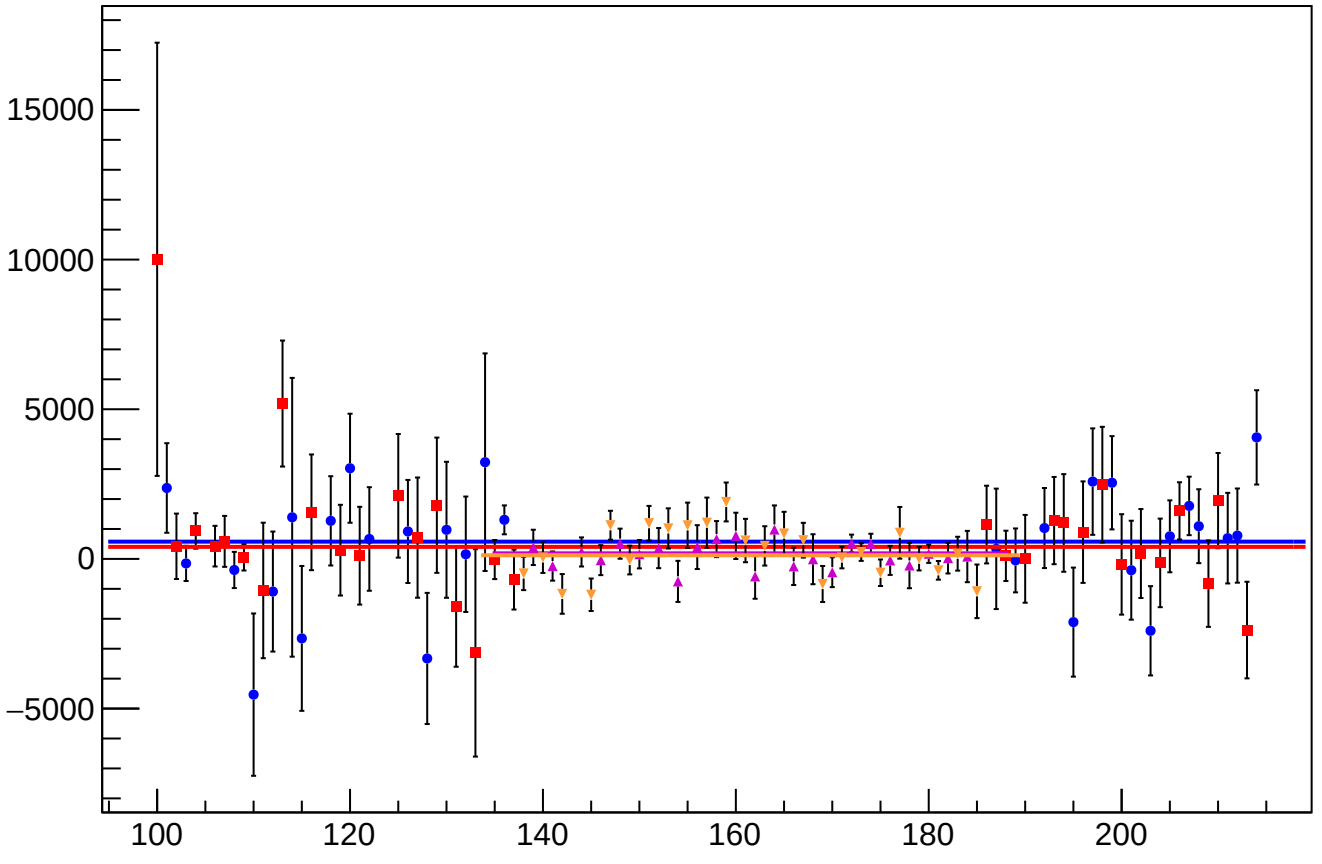
Right Out: 1514.088+/-0.252 χ^2/NDF: 677028.1/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1523.977+/-0.179 χ^2/NDF: 966194.0/53

All: 1524.349+/-0.126 χ^2/NDF: 1839259.2/10

- sign 1524.723+/-0.179 χ^2/NDF: 873056.5/54



Right In: 576.669+/-221.929 χ^2/NDF: 36.0/29

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

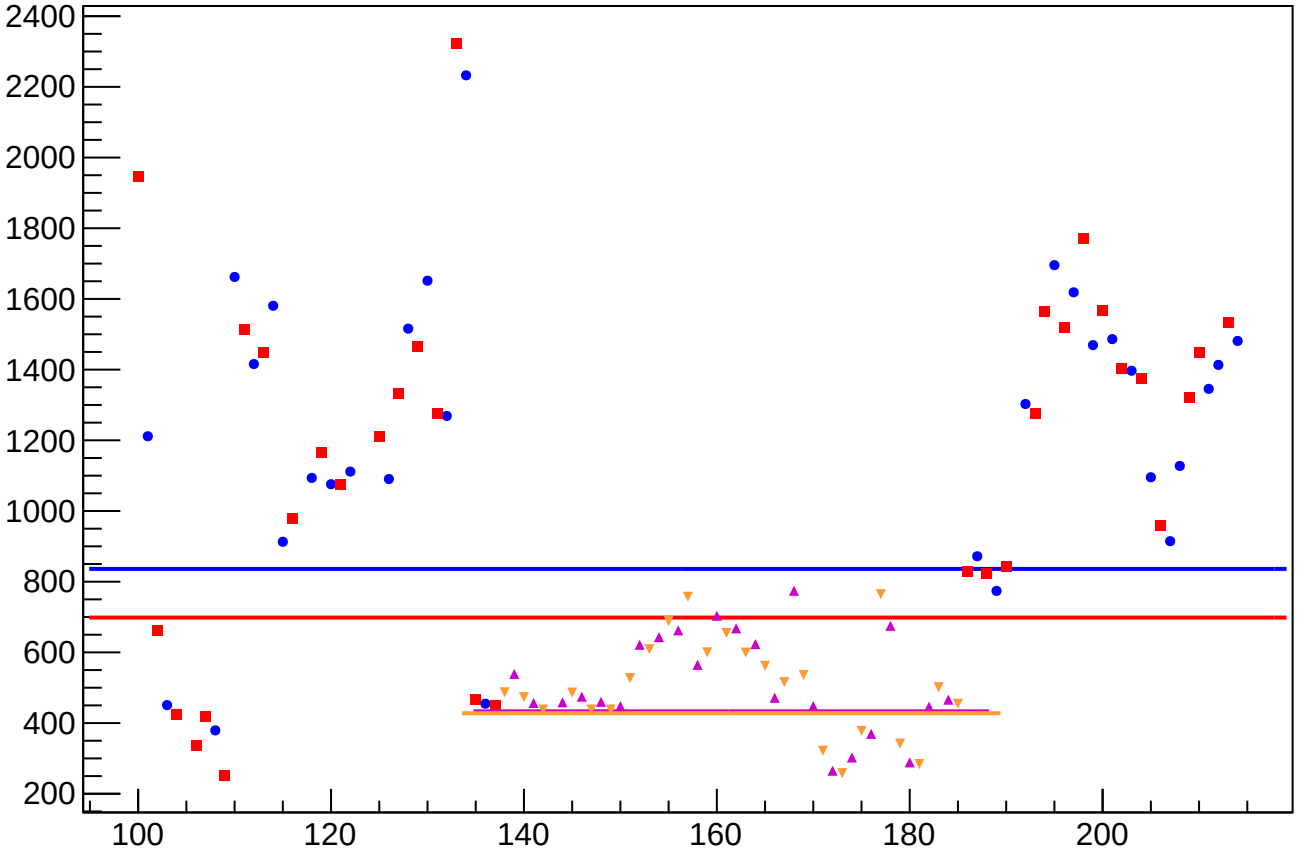
Right Out: 402.423+/-196.666 χ^2/NDF: 22.8/31

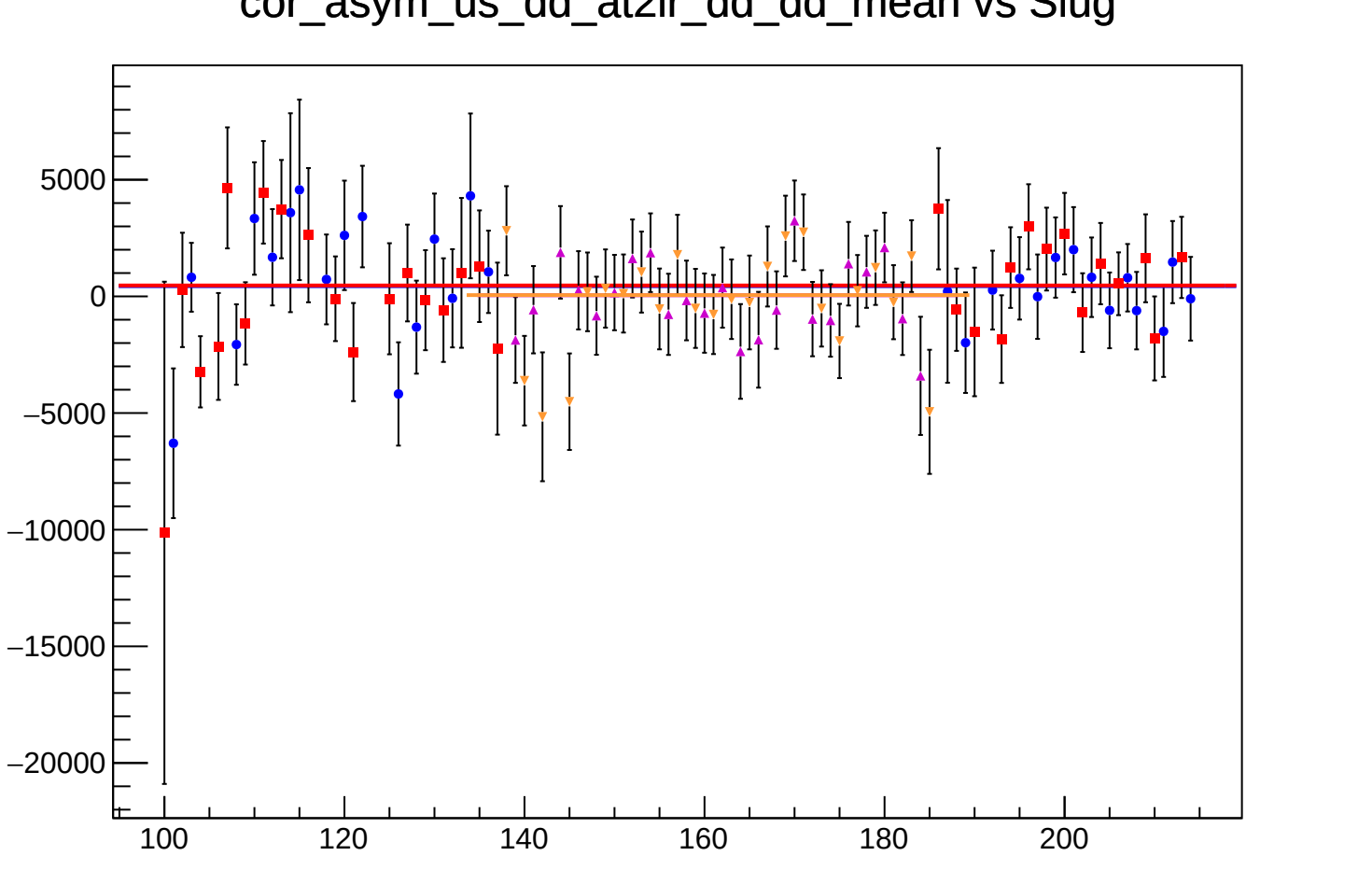
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 204.689+/-94.957 χ^2/NDF: 83.1/53

All: 220.534+/-66.794 χ^2/NDF: 118.5/108

- sign 236.052+/-93.973 χ^2/NDF: 35.4/54


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 836.169+/-0.157 χ²/NDF: 7868158.3/29
Left Out: 427.814+/-0.074 χ²/NDF:3188159.5/23
Right Out: 698.497+/-0.139 χ²/NDF: 10697794.1/31
Left In: 433.283+/-0.076 χ²/NDF:3247998.9/22
+ sign 502.574+/-0.067 χ²/NDF: 16588045.0/53
All: 498.160+/-0.047 χ²/NDF: 33349123.6/10
- sign 493.837+/-0.066 χ²/NDF: 16752525.3/54



Right In: 438.010+/-358.398 χ^2/NDF: 25.4/29

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 468.469+/-357.100 χ^2/NDF: 32.6/31

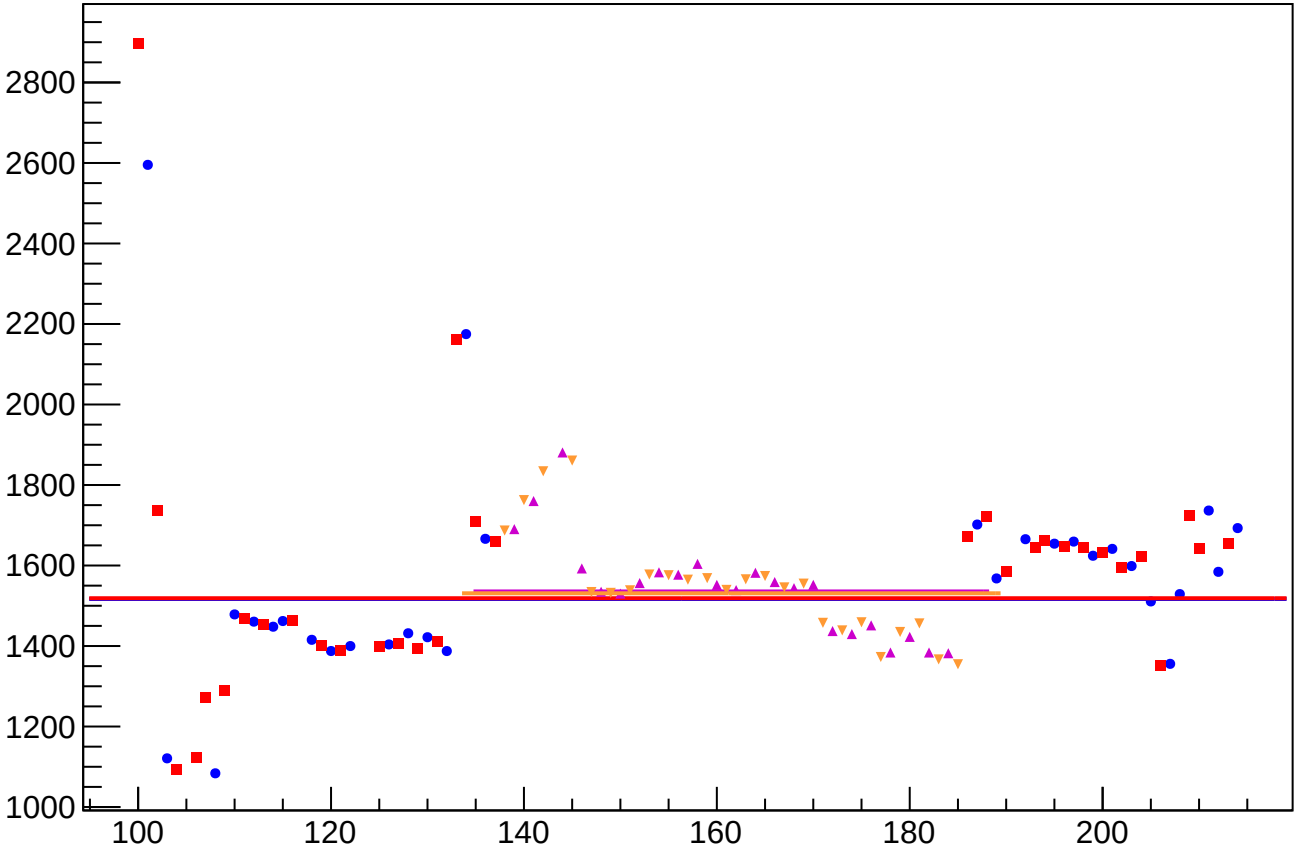
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 245.287+/-252.707 χ^2/NDF: 54.4/53

All: 252.518+/-178.922 χ^2/NDF: 104.5/108

- sign 259.788+/-253.363 χ^2/NDF: 50.1/54

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1516.898+/-0.253 χ^2/NDF: 761102.8/29

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

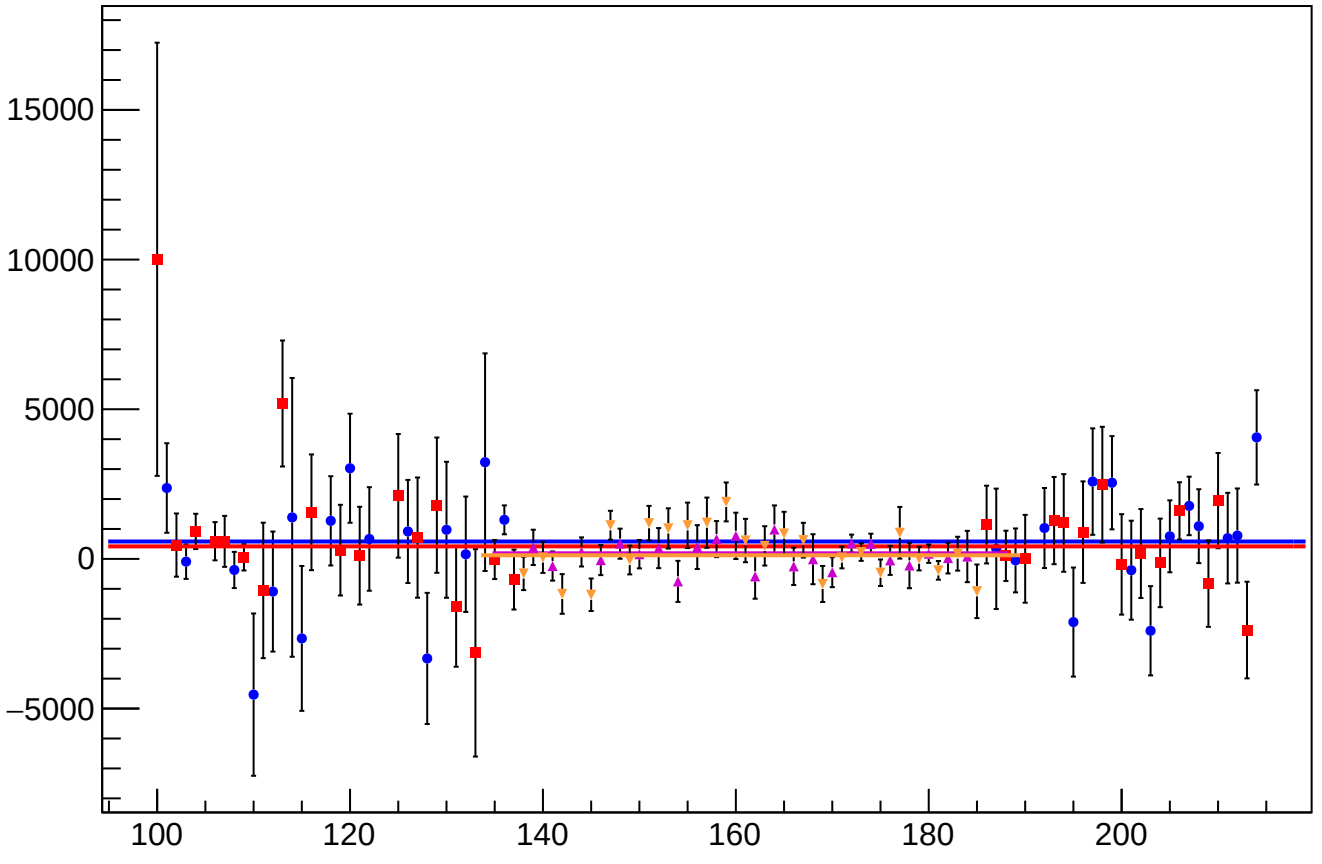
Right Out: 1518.687+/-0.253 χ^2/NDF: 626428.3/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1523.977+/-0.179 χ^2/NDF: 966194.3/53

All: 1525.515+/-0.127 χ^2/NDF: 1787419.0/10

- sign 1527.061+/-0.179 χ^2/NDF: 821076.1/54



Right In: 581.512+/-221.313 χ^2/NDF: 35.9/29

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 418.686+/-195.235 χ^2/NDF: 22.9/31

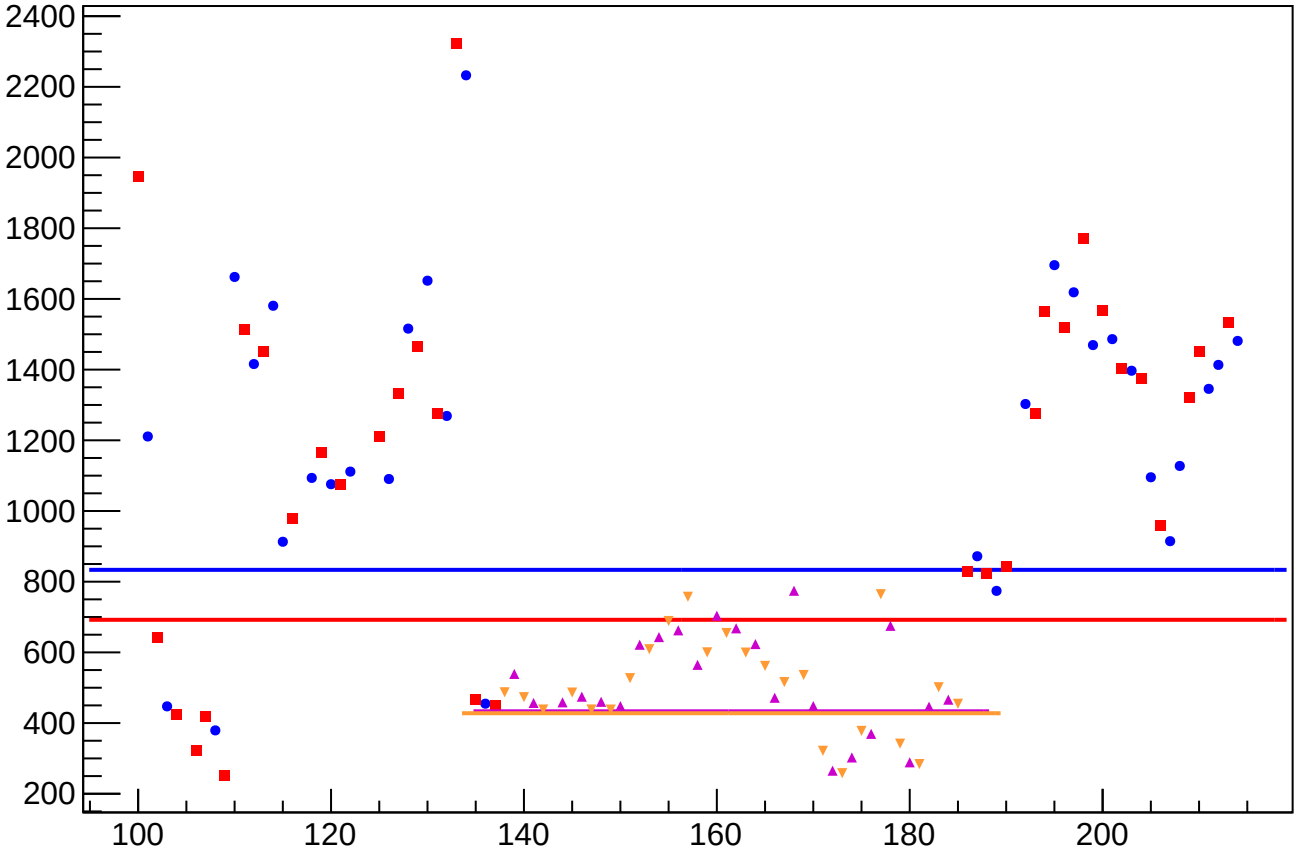
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 205.957+/-94.909 χ^2/NDF: 83.0/53

All: 223.442+/-66.721 χ^2/NDF: 118.7/108

- sign 240.526+/-93.815 χ^2/NDF: 35.6/54

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 833.510+/-0.156 χ^2/NDF: 7917654.4/29

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

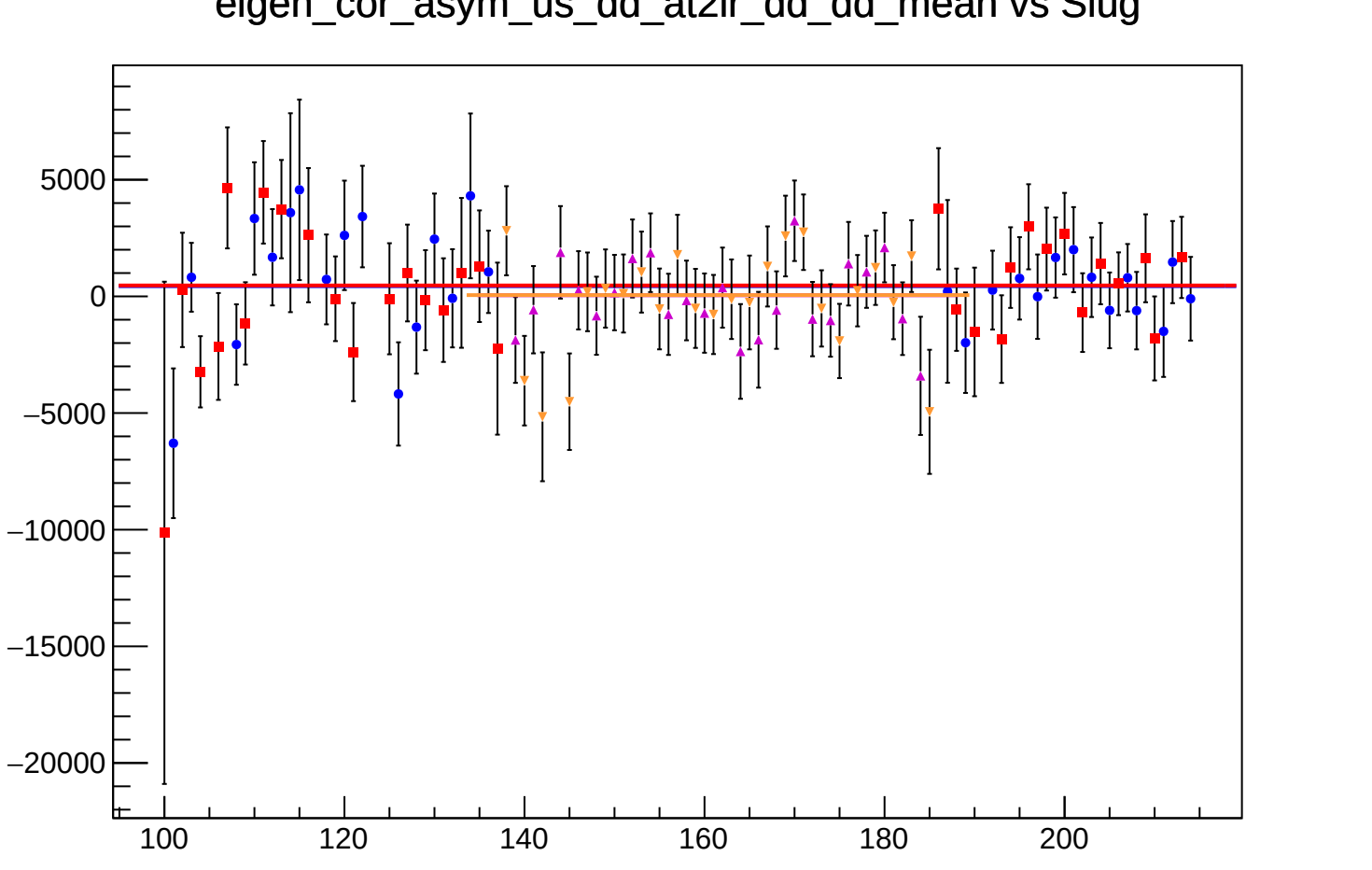
Right Out: 692.168+/-0.138 χ^2/NDF: 10826768.5/31

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 502.425+/-0.067 χ^2/NDF: 16590779.4/53

All: 497.689+/-0.047 χ^2/NDF: 33379857.6/10

- sign 493.062+/-0.066 χ^2/NDF: 16779234.1/54



Right In: 438.010+/-358.398 χ^2/NDF: 25.4/29

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 468.469+/-357.100 χ^2/NDF: 32.6/31

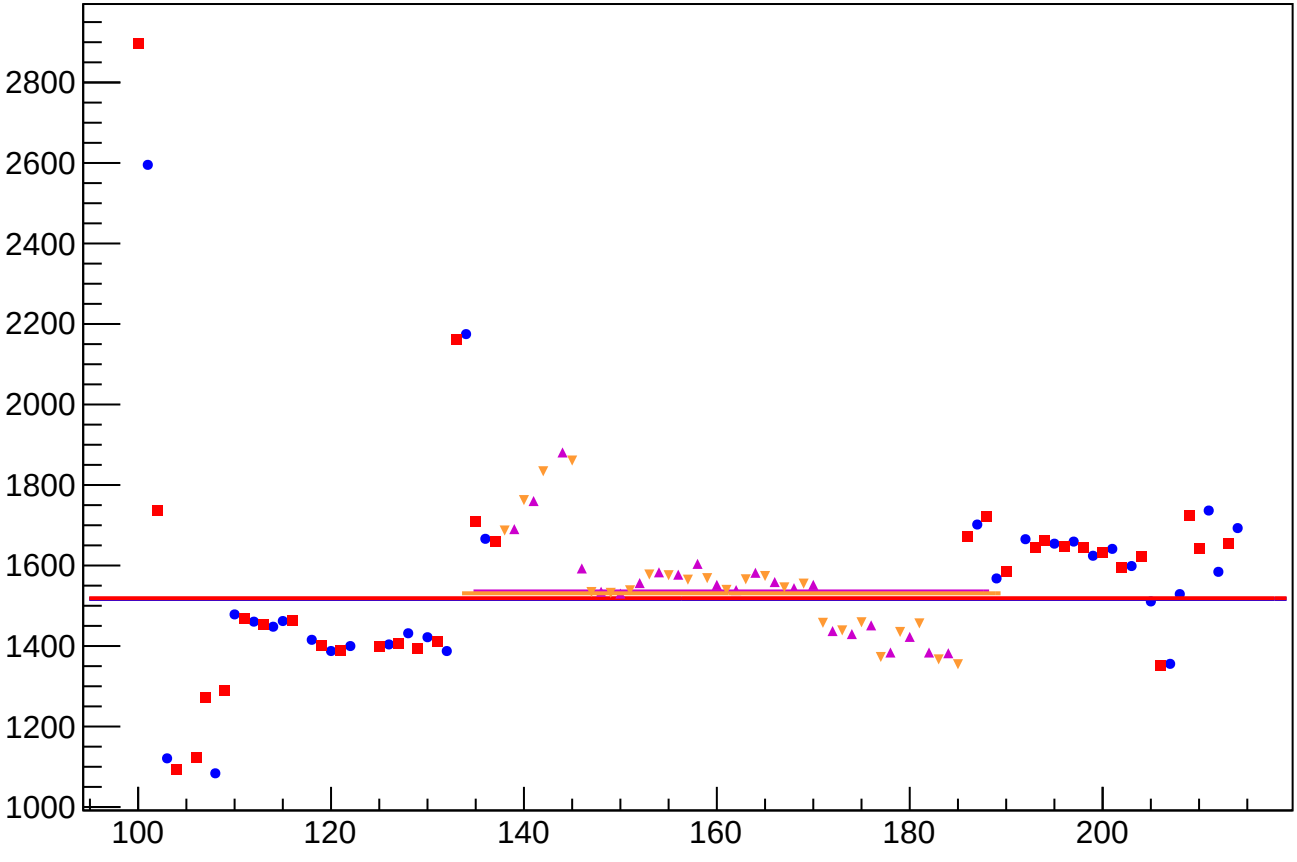
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 245.287+/-252.707 χ^2/NDF: 54.4/53

All: 252.518+/-178.922 χ^2/NDF: 104.5/108

- sign 259.788+/-253.363 χ^2/NDF: 50.1/54

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1516.898+/-0.253 χ^2/NDF: 761102.8/29

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

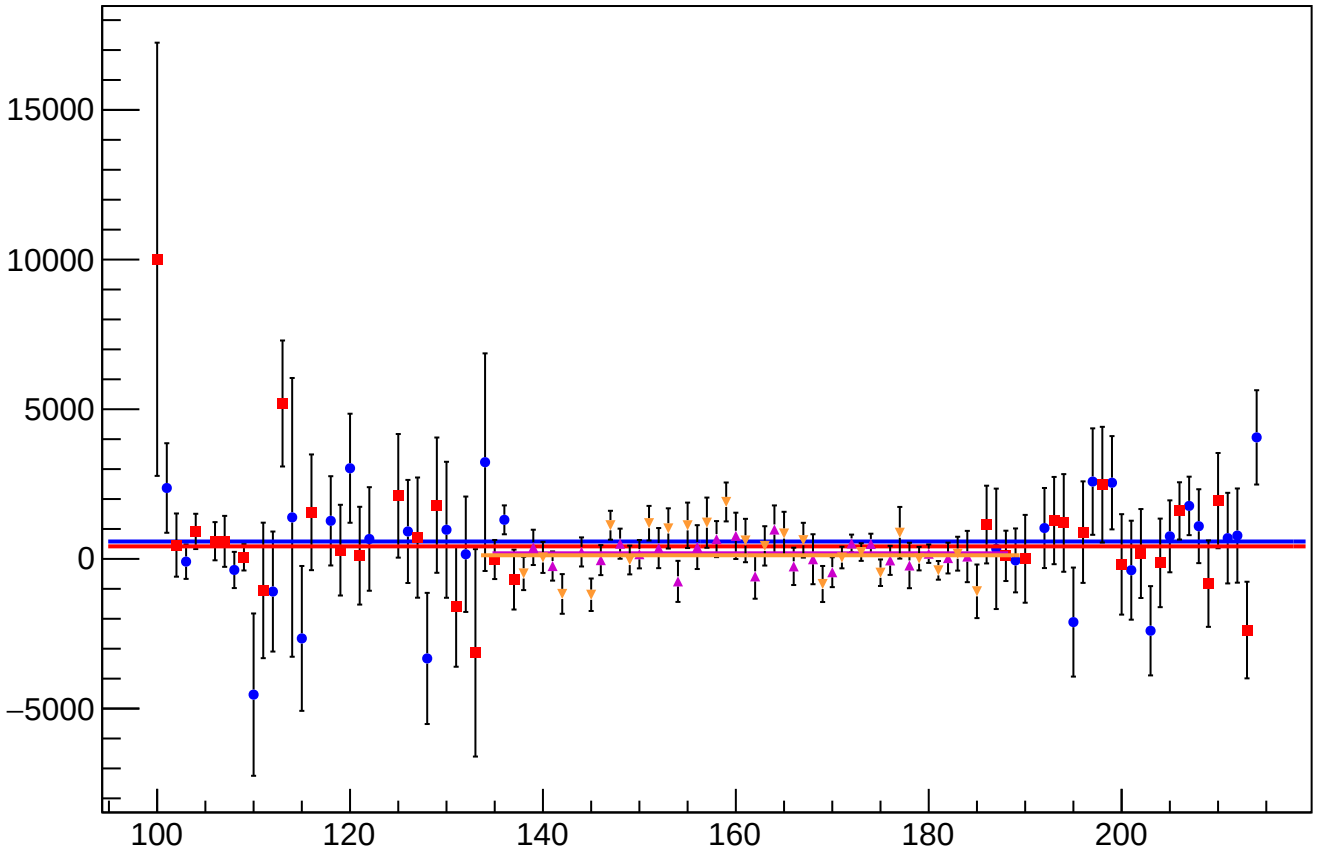
Right Out: 1518.687+/-0.253 χ^2/NDF: 626428.3/31

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1523.977+/-0.179 χ^2/NDF: 966194.3/53

All: 1525.515+/-0.127 χ^2/NDF: 1787419.0/10

- sign 1527.061+/-0.179 χ^2/NDF: 821076.1/54



Right In: 581.512+/-221.313 χ^2/NDF: 35.9/29

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

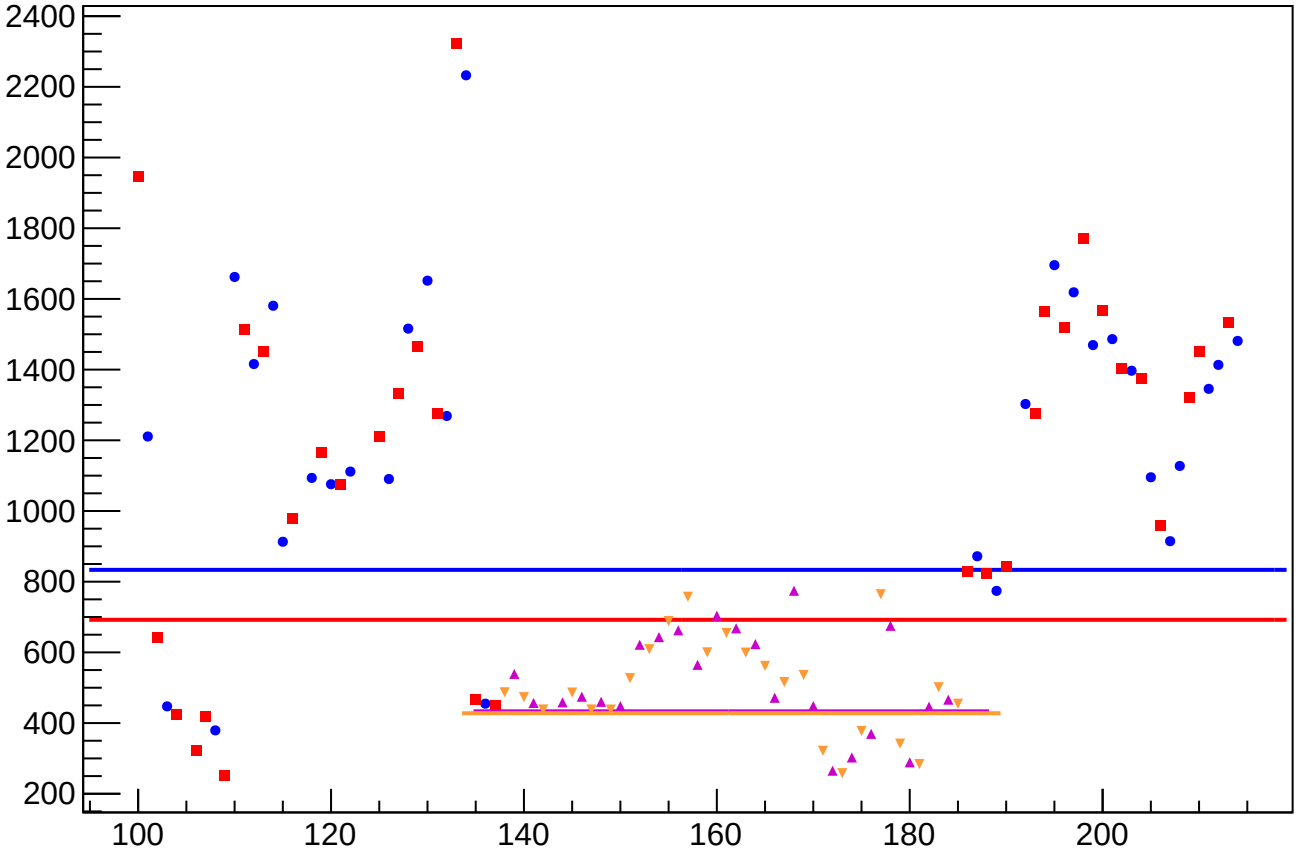
Right Out: 418.686+/-195.235 χ^2/NDF: 22.9/31

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 205.957+/-94.909 χ^2/NDF: 83.0/53

All: 223.442+/-66.721 χ^2/NDF: 118.7/108

- sign 240.526+/-93.815 χ^2/NDF: 35.6/54



Right In: 833.510+/-0.156 χ^2/NDF: 7917654.4/29

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 692.168+/-0.138 χ^2/NDF: 10826768.5/31

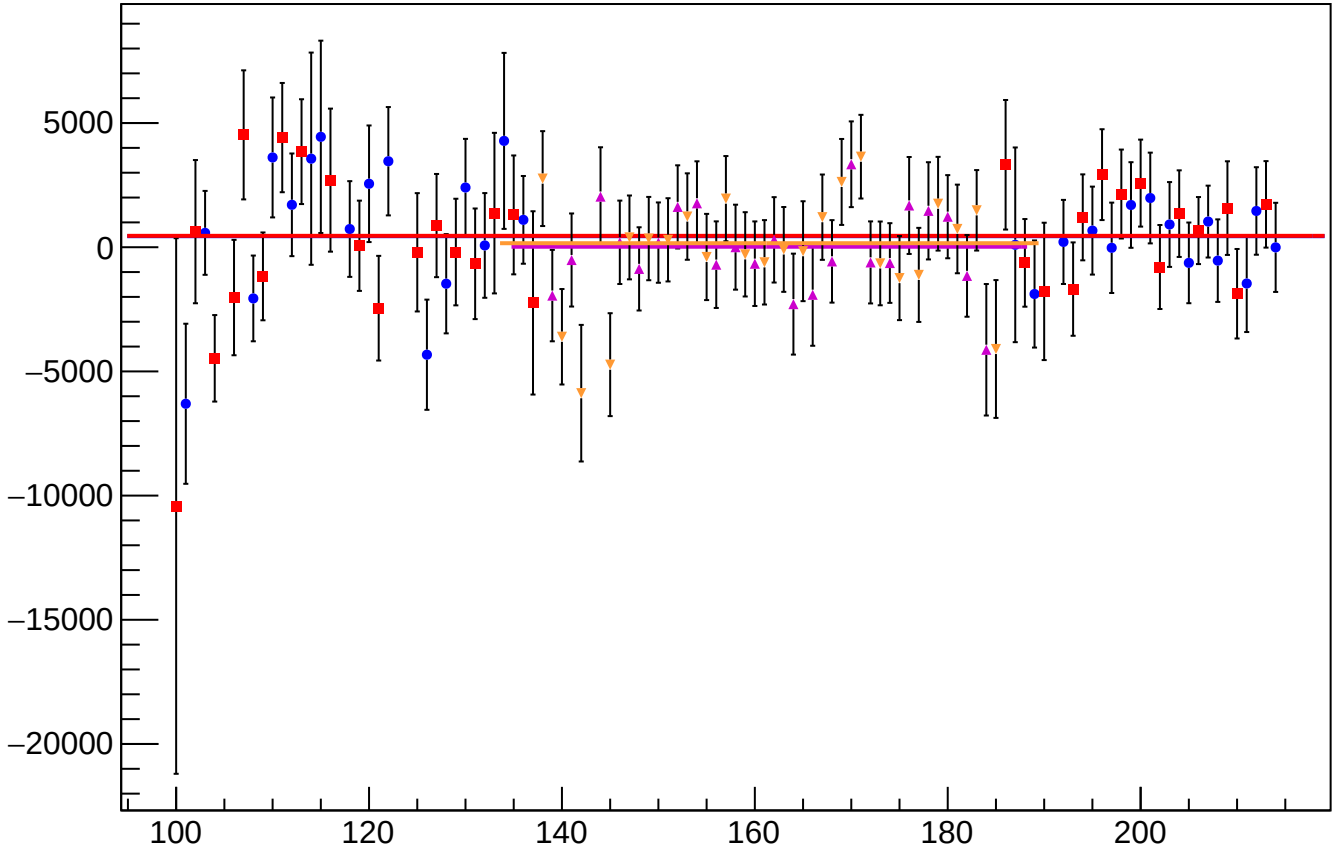
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 502.425+/-0.067 χ^2/NDF: 16590779.4/53

All: 497.689+/-0.047 χ^2/NDF: 33379857.6/10

- sign 493.062+/-0.066 χ^2/NDF: 16779234.1/54

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 444.458+/-361.480 χ^2/NDF: 25.7/29

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.436+/-361.265 χ^2/NDF: 34.4/31

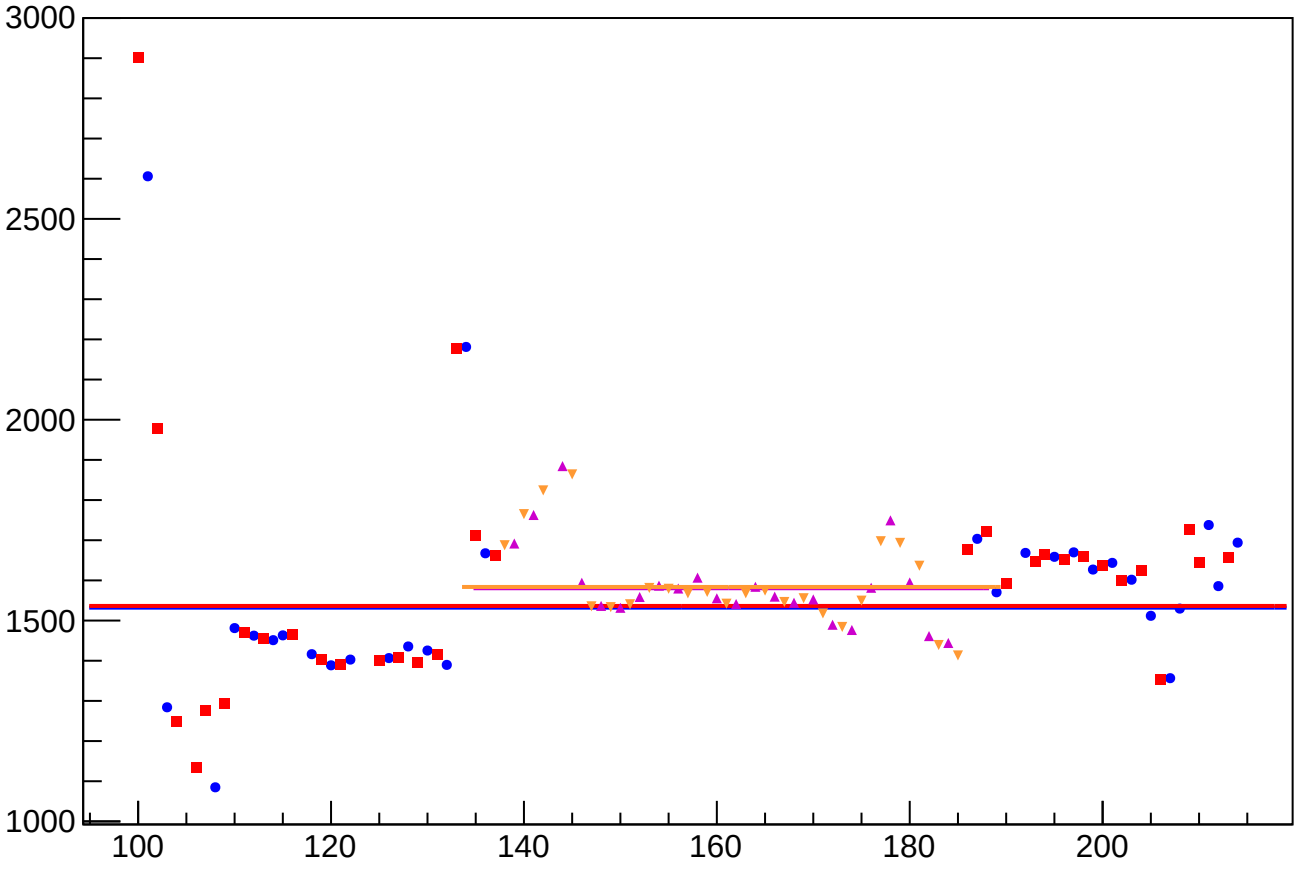
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 305.693+/-258.005 χ^2/NDF: 55.9/53

All: 275.118+/-182.581 χ^2/NDF: 107.0/108

\- sign 244.447+/-258.411 χ^2/NDF: 51.1/54

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1532.199+/-0.256 χ^2/NDF: 656764.2/29

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

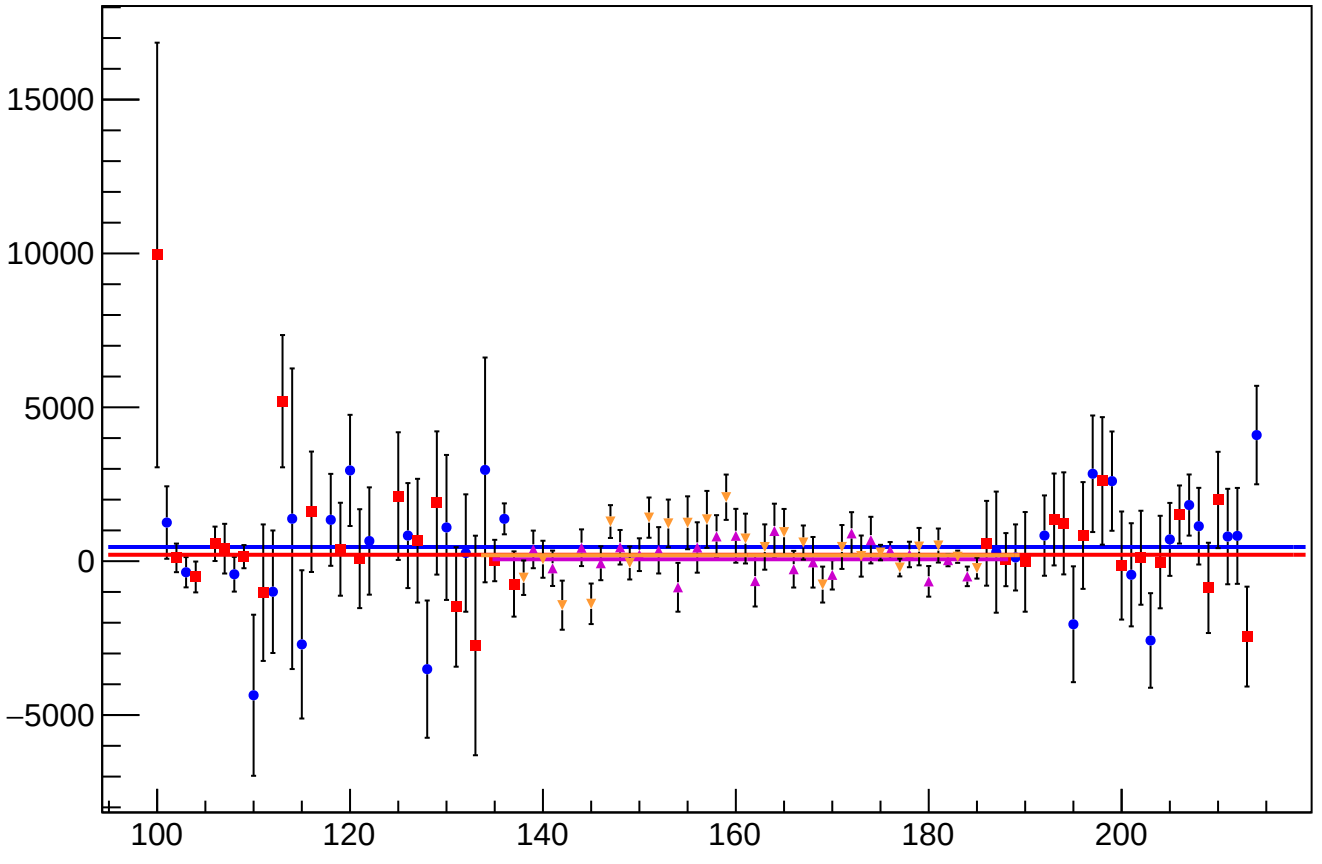
Right Out: 1536.401+/-0.255 χ^2/NDF: 550744.3/31

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.451+/-0.182 χ^2/NDF: 810241.9/53

All: 1557.684+/-0.129 χ^2/NDF: 1501265.5/10

- sign 1557.919+/-0.183 χ^2/NDF: 691020.3/54



Right In: 460.601+/-214.386 χ^2/NDF: 37.7/29

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

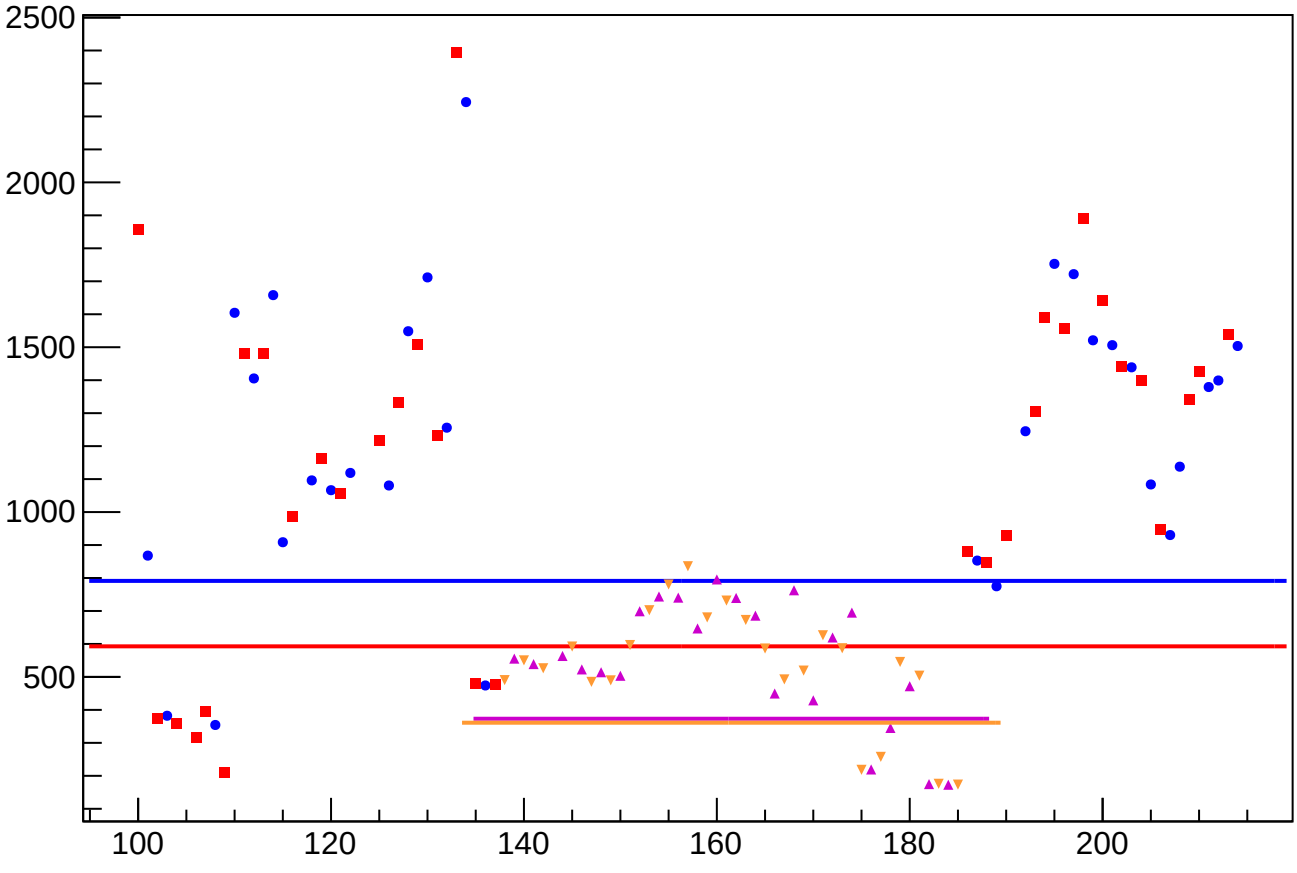
Right Out: 208.353+/-173.426 χ^2/NDF: 23.7/31

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 237.869+/-87.536 χ^2/NDF: 79.1/53

All: 167.312+/-61.508 χ^2/NDF: 121.6/108

- sign 98.501+/-86.446 χ^2/NDF: 41.2/54



Right In: 791.247+/-0.152 χ^2/NDF: 8751487.2/29

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 592.739+/-0.123 χ^2/NDF: 13249889.8/31

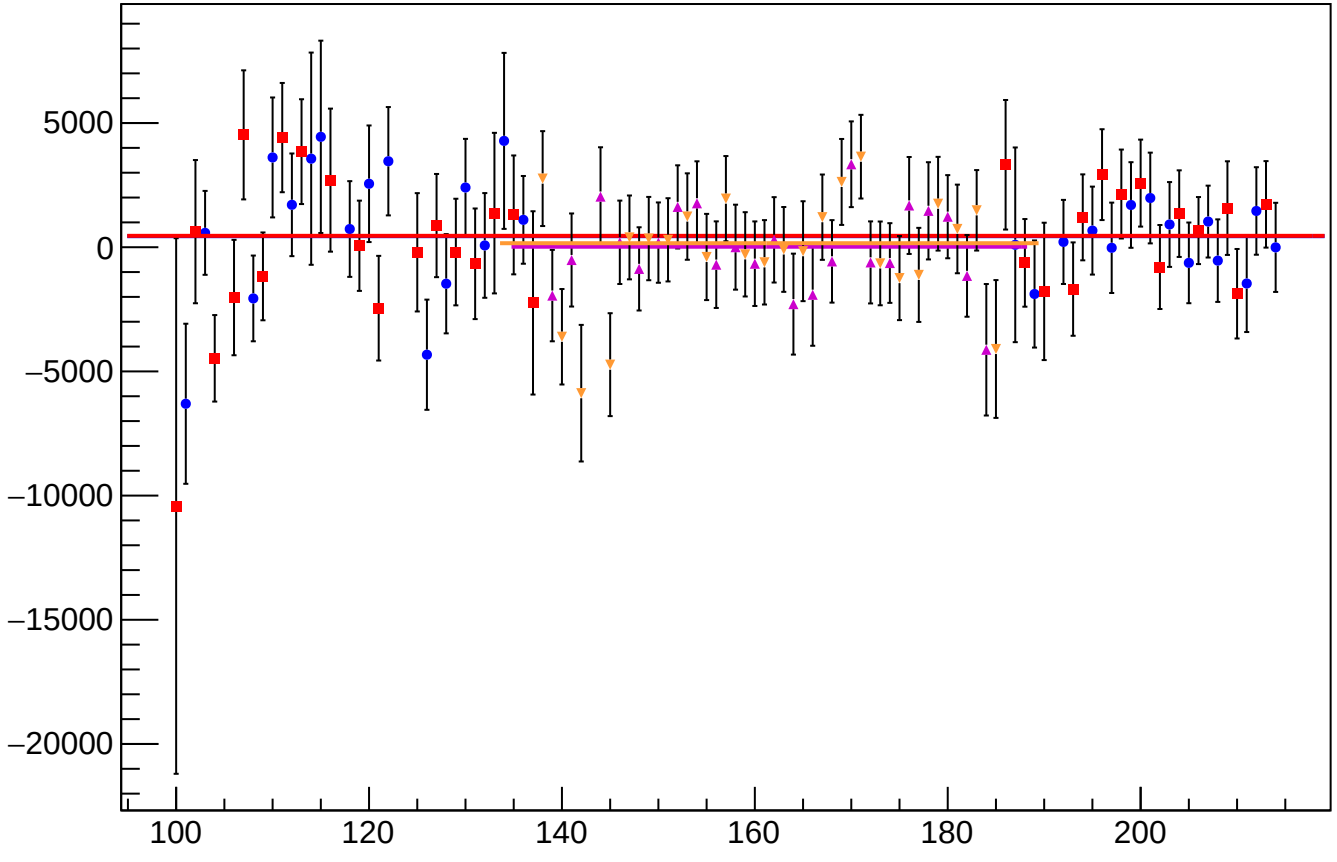
Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 432.812+/-0.062 χ^2/NDF: 23643726.4/53

All: 430.225+/-0.043 χ^2/NDF: 47514402.4/10

- sign 427.702+/-0.061 χ^2/NDF: 23867225.5/54

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 444.452+/-361.480 χ^2/NDF: 25.7/29

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.434+/-361.265 χ^2/NDF: 34.4/31

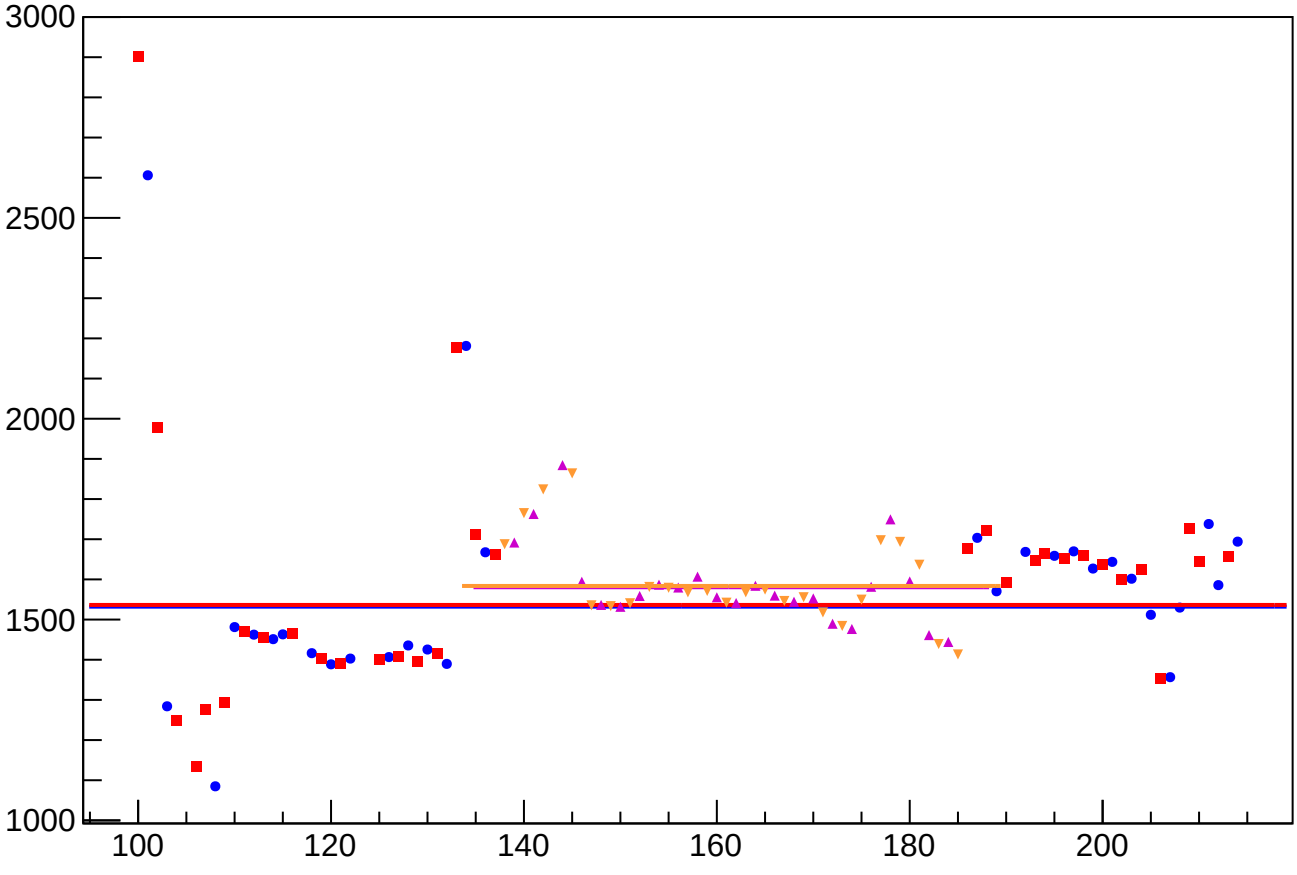
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 305.688+/-258.005 χ^2/NDF: 55.9/53

All: 275.115+/-182.581 χ^2/NDF: 107.0/108

\- sign 244.445+/-258.411 χ^2/NDF: 51.1/54

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1532.199+/-0.256 χ^2/NDF: 656763.7/29

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

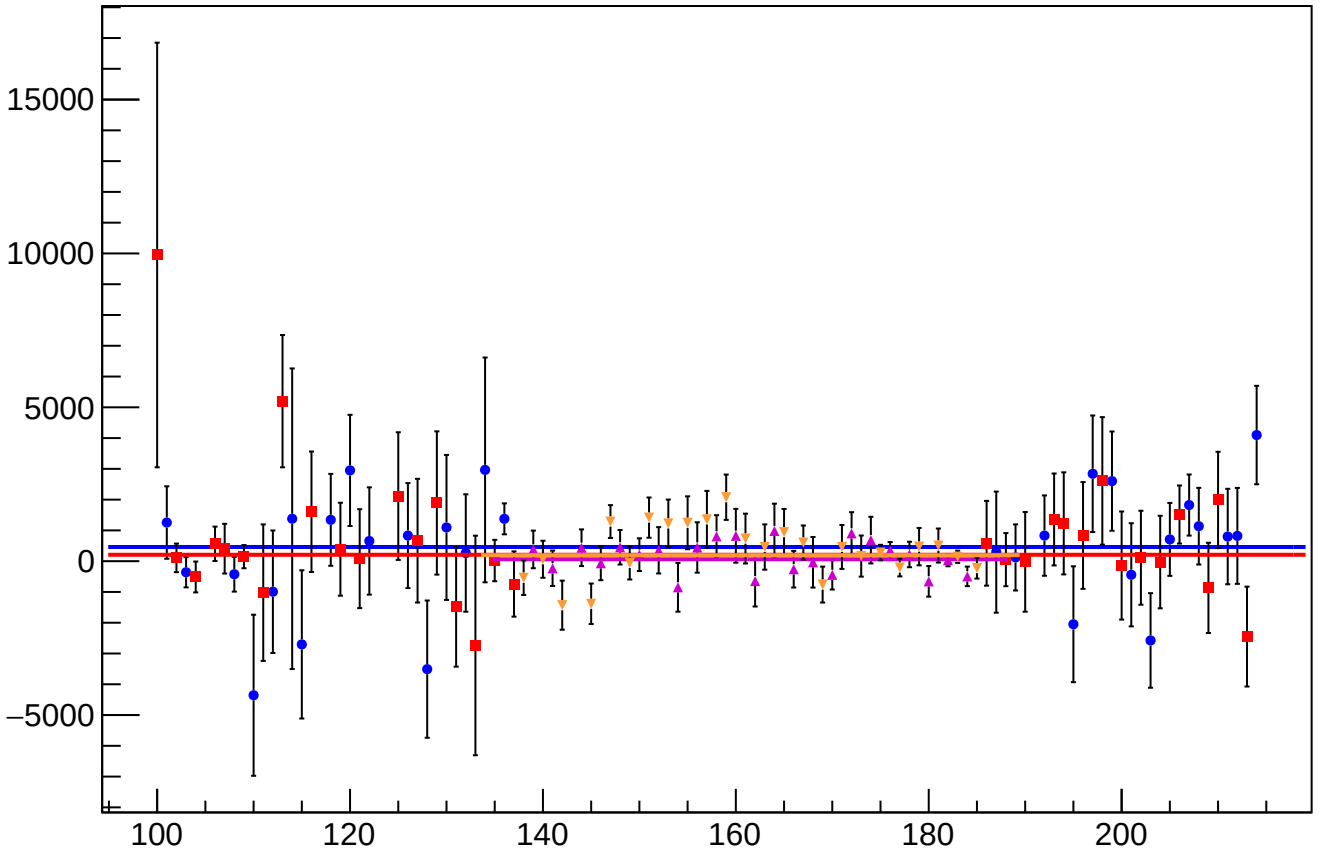
Right Out: 1536.400+/-0.255 χ^2/NDF: 550744.3/31

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.450+/-0.182 χ^2/NDF: 810241.5/53

All: 1557.684+/-0.129 χ^2/NDF: 1501264.8/10

- sign 1557.919+/-0.183 χ^2/NDF: 691020.1/54



Right In: 460.597+/-214.385 χ^2/NDF: 37.7/29

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

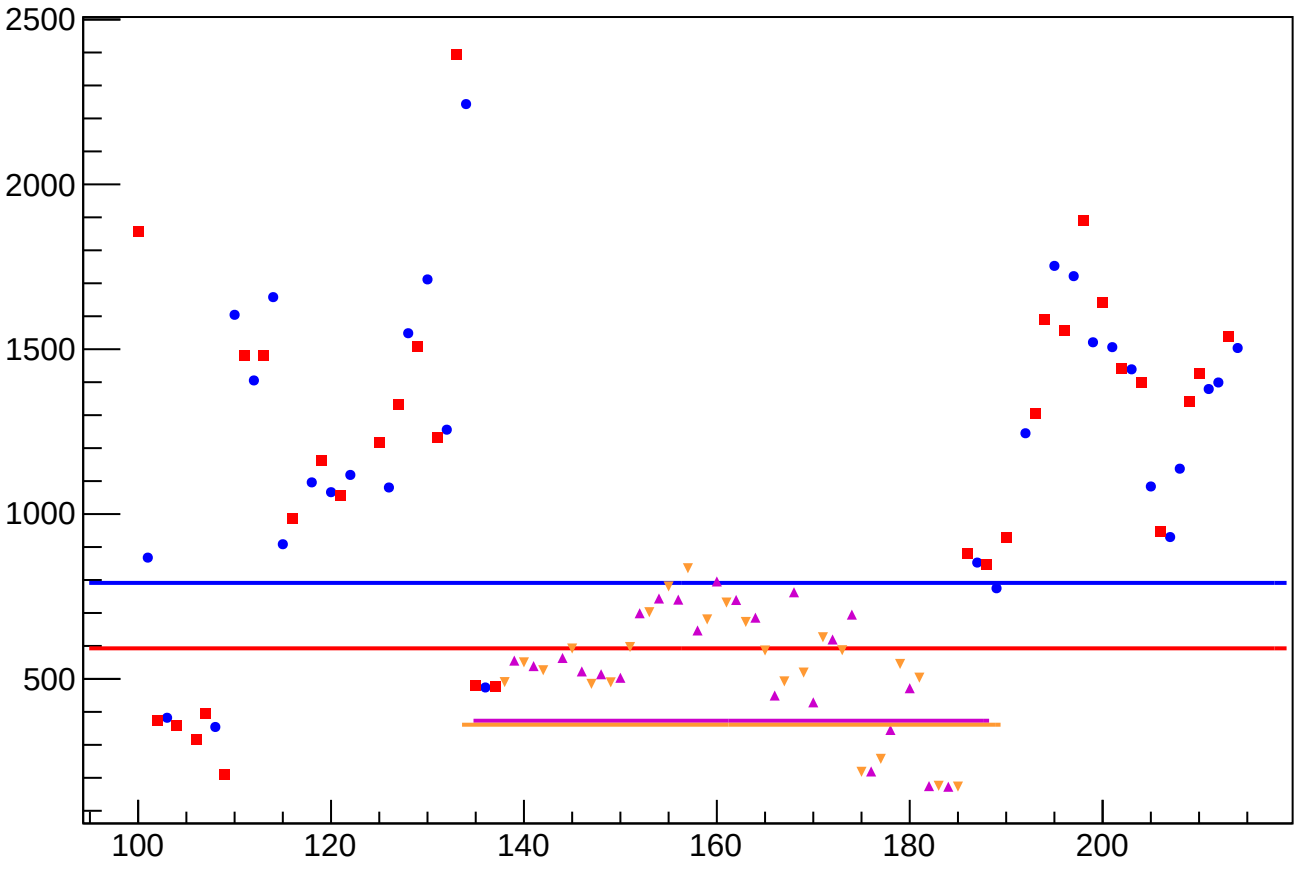
Right Out: 208.351+/-173.427 χ^2/NDF: 23.7/31

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 237.874+/-87.536 χ^2/NDF: 79.1/53

All: 167.313+/-61.509 χ^2/NDF: 121.6/108

- sign 98.499+/-86.447 χ^2/NDF: 41.2/54



Right In: 791.245+/-0.152 χ^2/NDF: 8751505.1/29

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 592.746+/-0.123 χ^2/NDF: 13249699.0/31

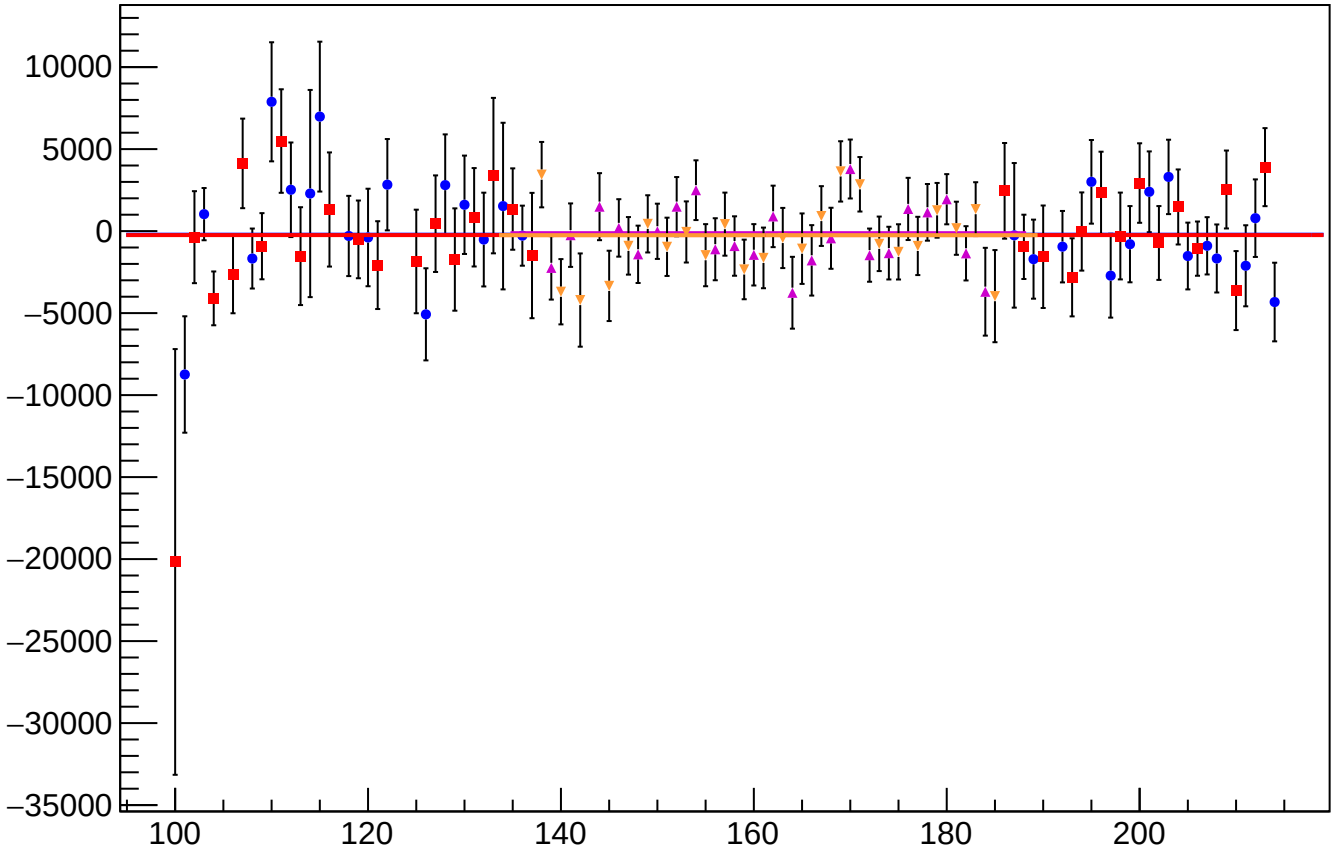
Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

+ sign 432.816+/-0.062 χ^2/NDF: 23643408.1/53

All: 430.230+/-0.043 χ^2/NDF: 47513655.7/10

- sign 427.708+/-0.061 χ^2/NDF: 23866799.3/54

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -217.954+/-453.802 χ^2/NDF: 32.6/29

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -242.888+/-448.834 χ^2/NDF: 29.9/31

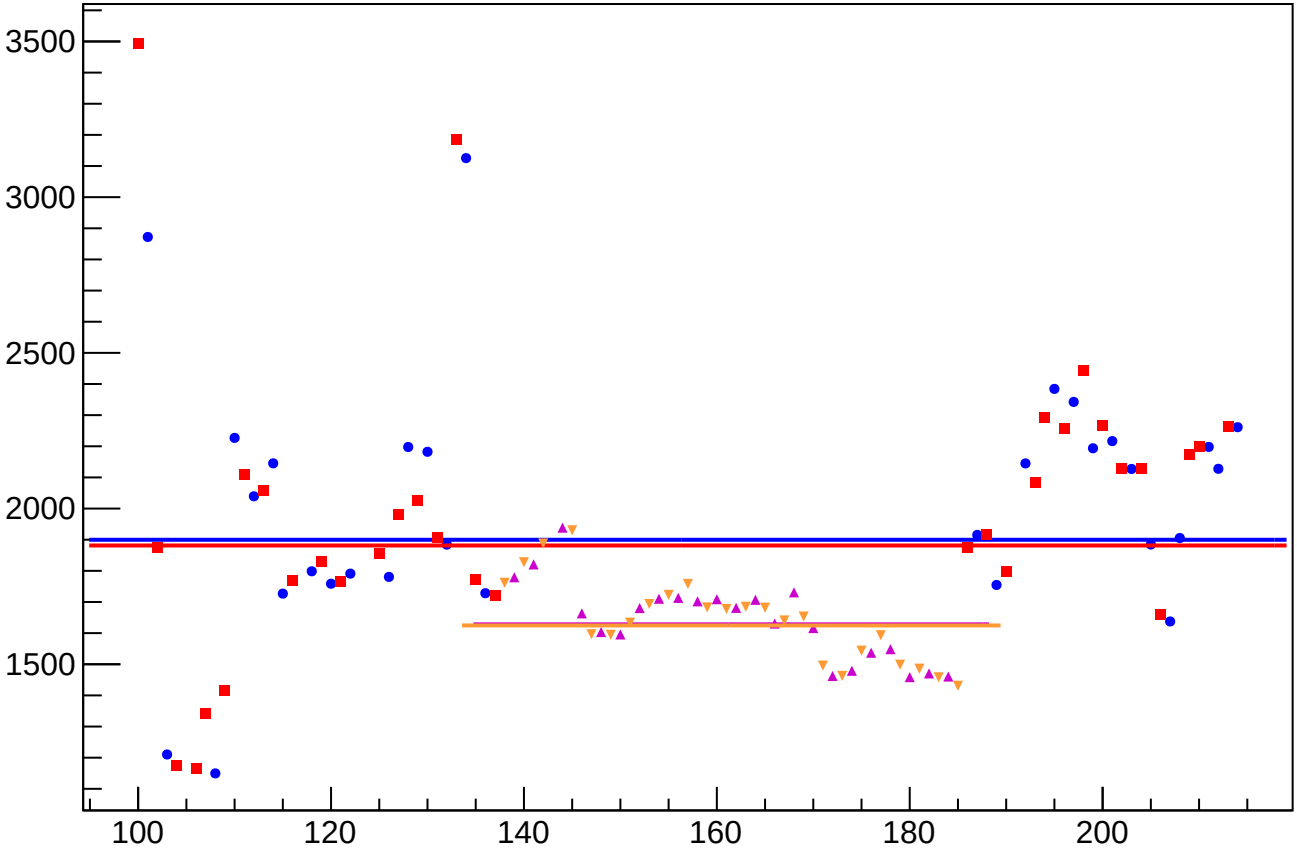
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -235.159+/-290.542 χ^2/NDF: 58.6/53

All: -205.117+/-205.464 χ^2/NDF: 109.8/108

- sign -175.064+/-290.597 χ^2/NDF: 51.1/54

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1899.766+/-0.321 χ^2/NDF: 1461702.8/29

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

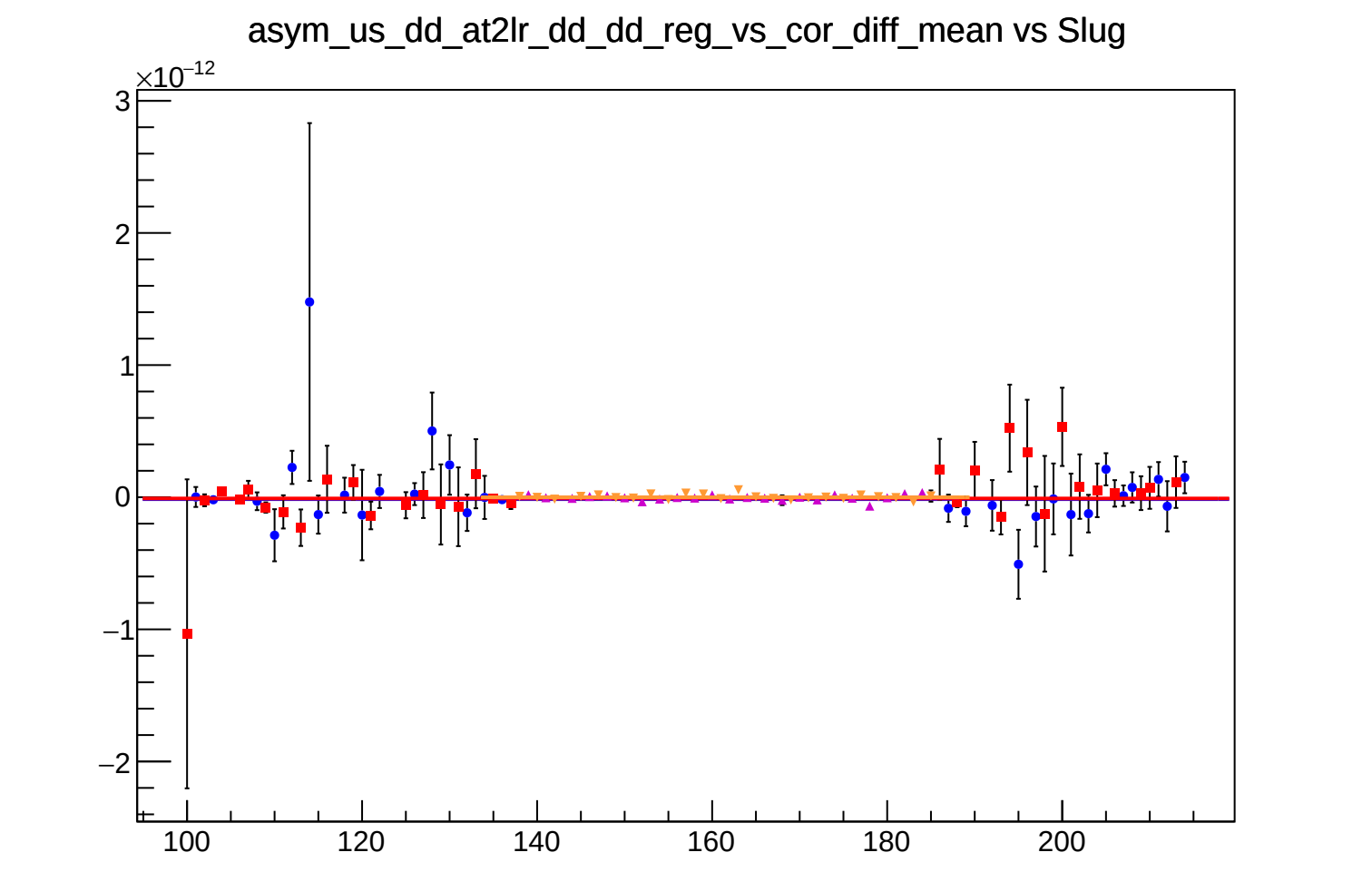
Right Out: 1881.442+/-0.317 χ^2/NDF: 1418128.0/31

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1737.401+/-0.205 χ^2/NDF: 2102831.2/53

All: 1735.885+/-0.145 χ^2/NDF: 4095687.8/10

- sign 1734.369+/-0.205 χ^2/NDF: 1992747.7/54



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

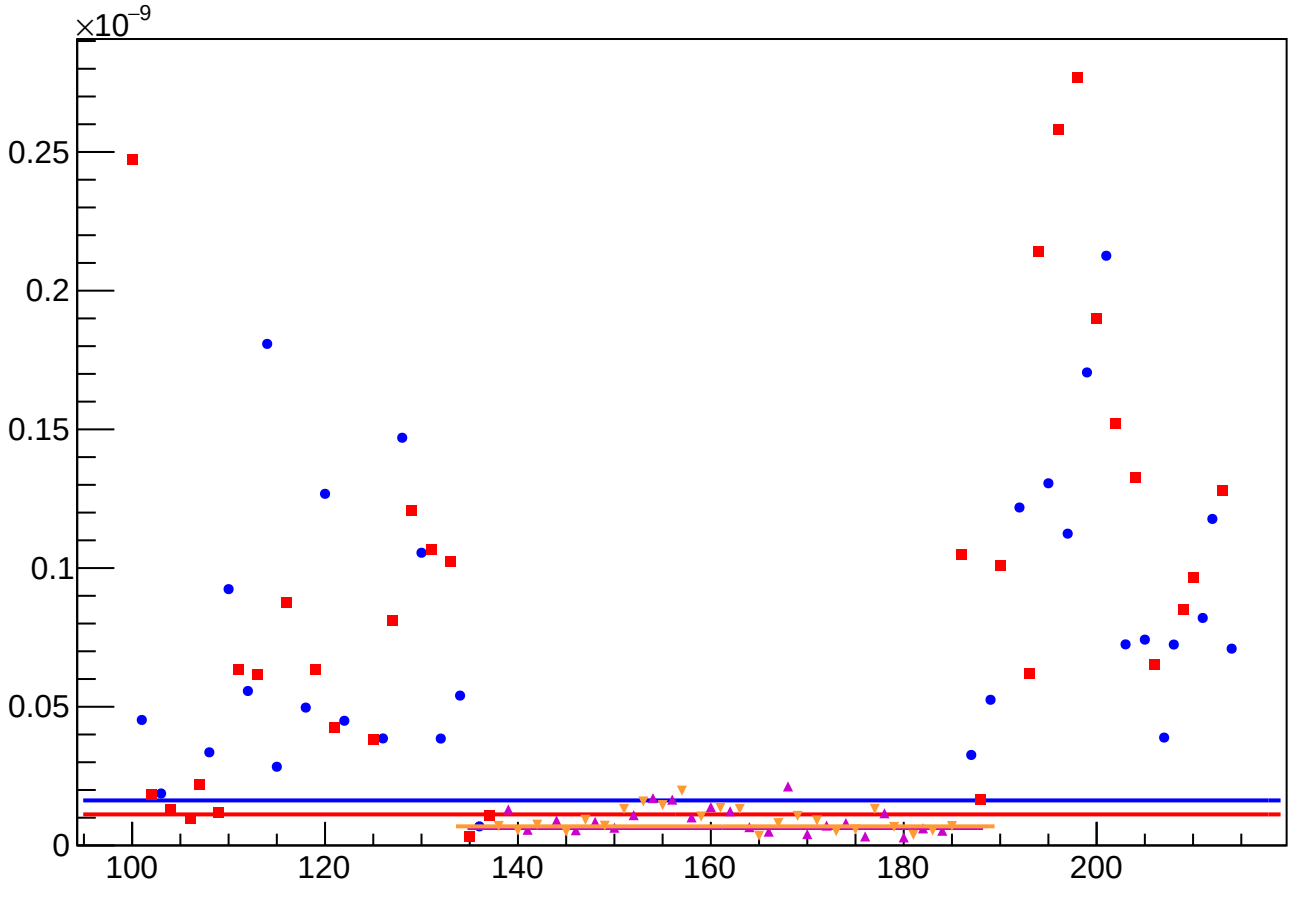
Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/31

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.0/53

All: -0.000+/-0.000 χ^2/NDF: 104.1/108

- sign -0.000+/-0.000 χ^2/NDF: 53.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 9754493.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

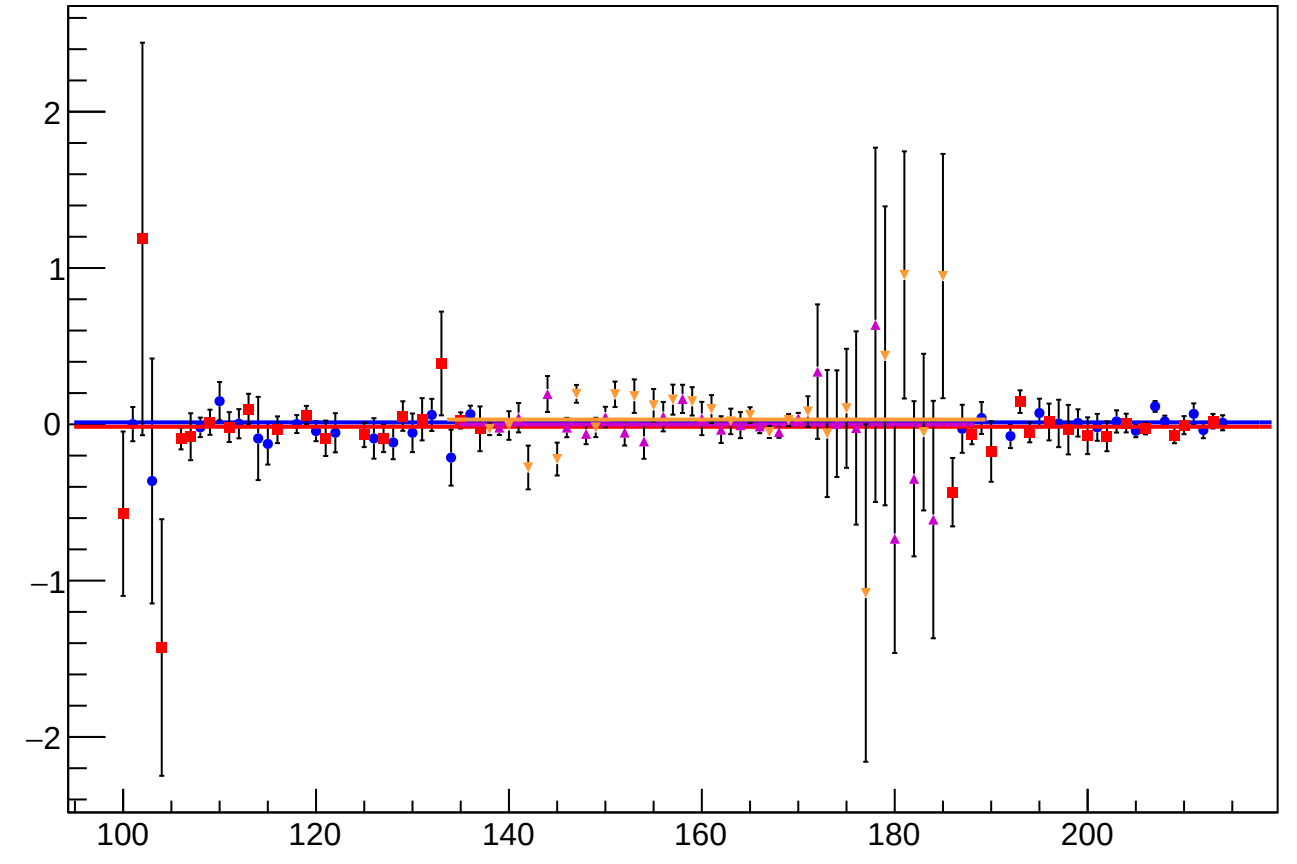
Right Out: 0.000+/-0.000 χ^2/NDF: 11670839.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13663515.6/53

All: 0.000+/-0.000 χ^2/NDF: 28949853.9/108

- sign 0.000+/-0.000 χ^2/NDF: 15183182.2/54



Right In: 0.012+/-0.013 χ^2/NDF: 23.1/29

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

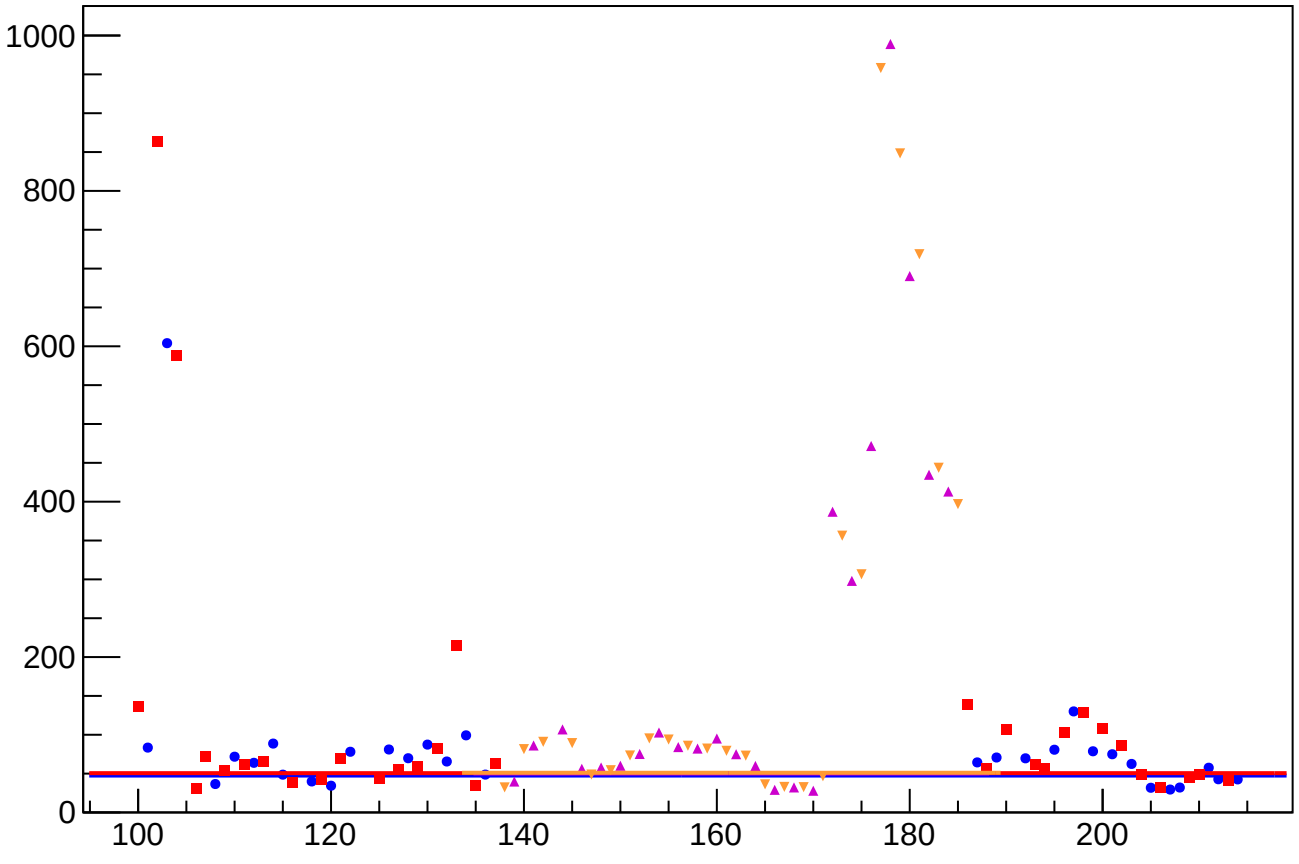
Right Out: -0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.020+/-0.010 χ^2/NDF: 65.4/53

All: 0.006+/-0.007 χ^2/NDF: 112.9/108

- sign -0.009+/-0.010 χ^2/NDF: 43.3/54



Right In: 47.504+/-0.009 χ^2/NDF: 5326870.0/29

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

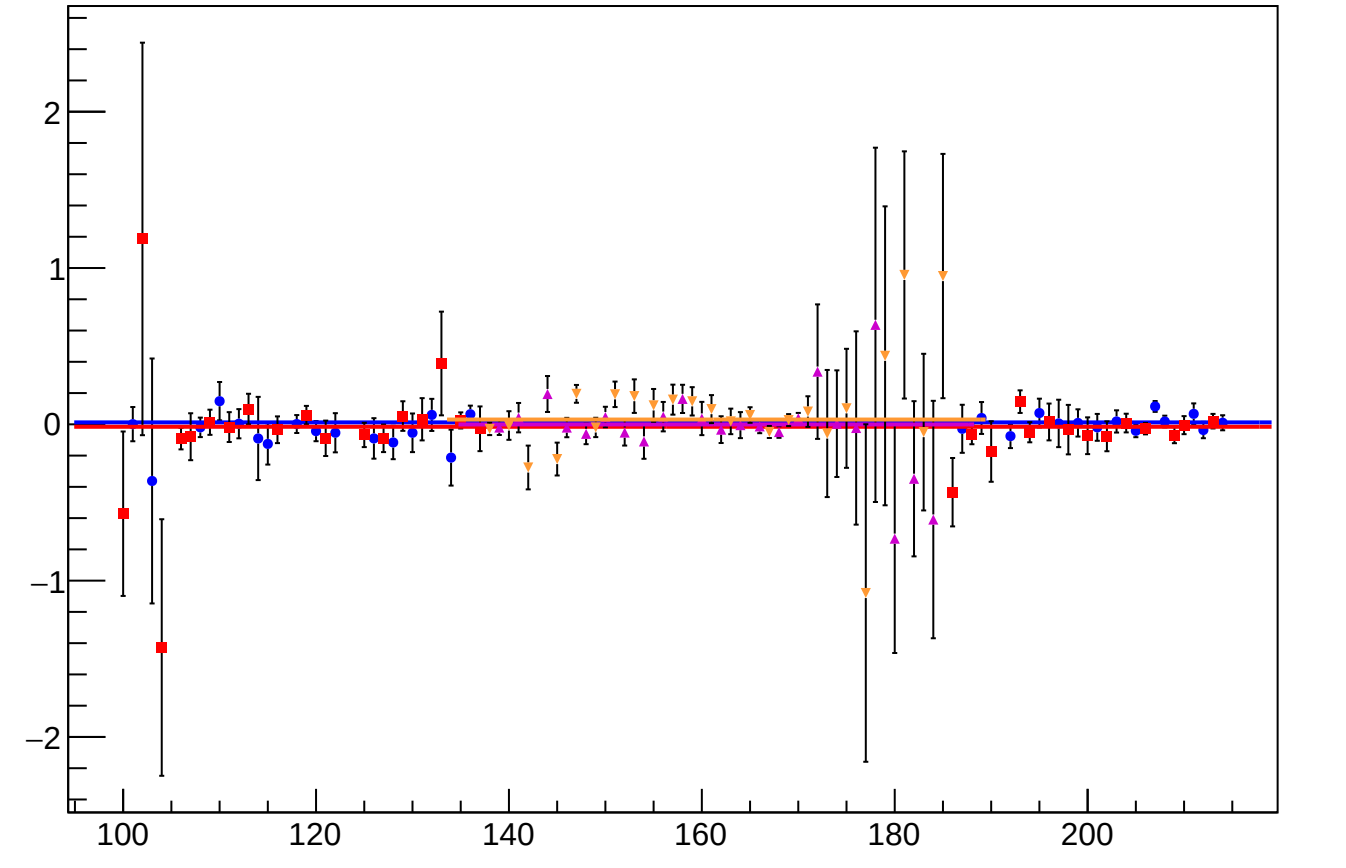
Right Out: 50.593+/-0.010 χ^2/NDF: 5838914.6/31

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

\+ sign 48.976+/-0.007 χ^2/NDF: 17126393.5/53

All: 49.685+/-0.005 χ^2/NDF: 35182610.2/108

\- sign 50.439+/-0.007 χ^2/NDF: 18035191.4/54



Right In: 0.012+/-0.013 χ^2/NDF: 23.1/29

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

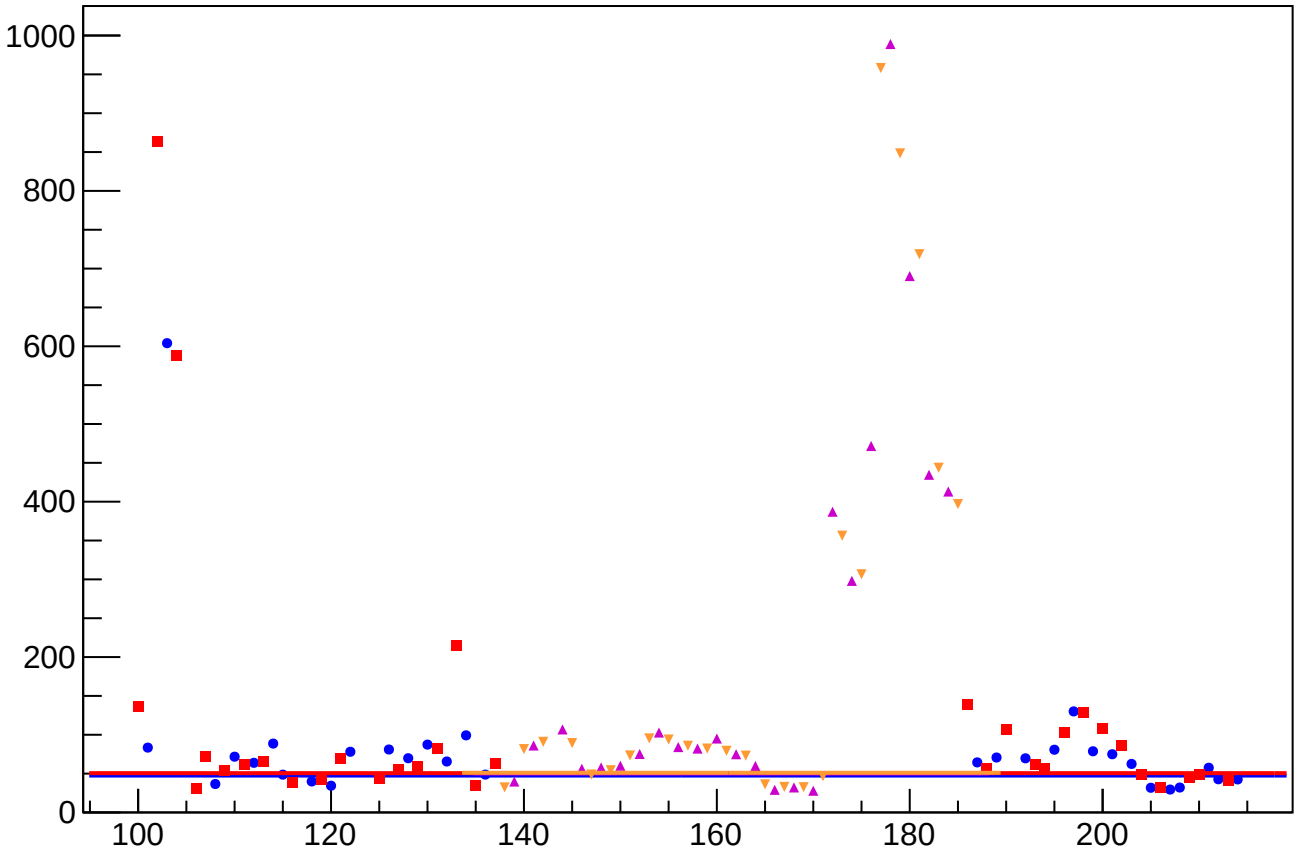
Right Out: -0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.020+/-0.010 χ^2/NDF: 65.4/53

All: 0.006+/-0.007 χ^2/NDF: 112.9/108

- sign -0.009+/-0.010 χ^2/NDF: 43.3/54



Right In: 47.504+/-0.009 χ^2/NDF: 5326870.0/29

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

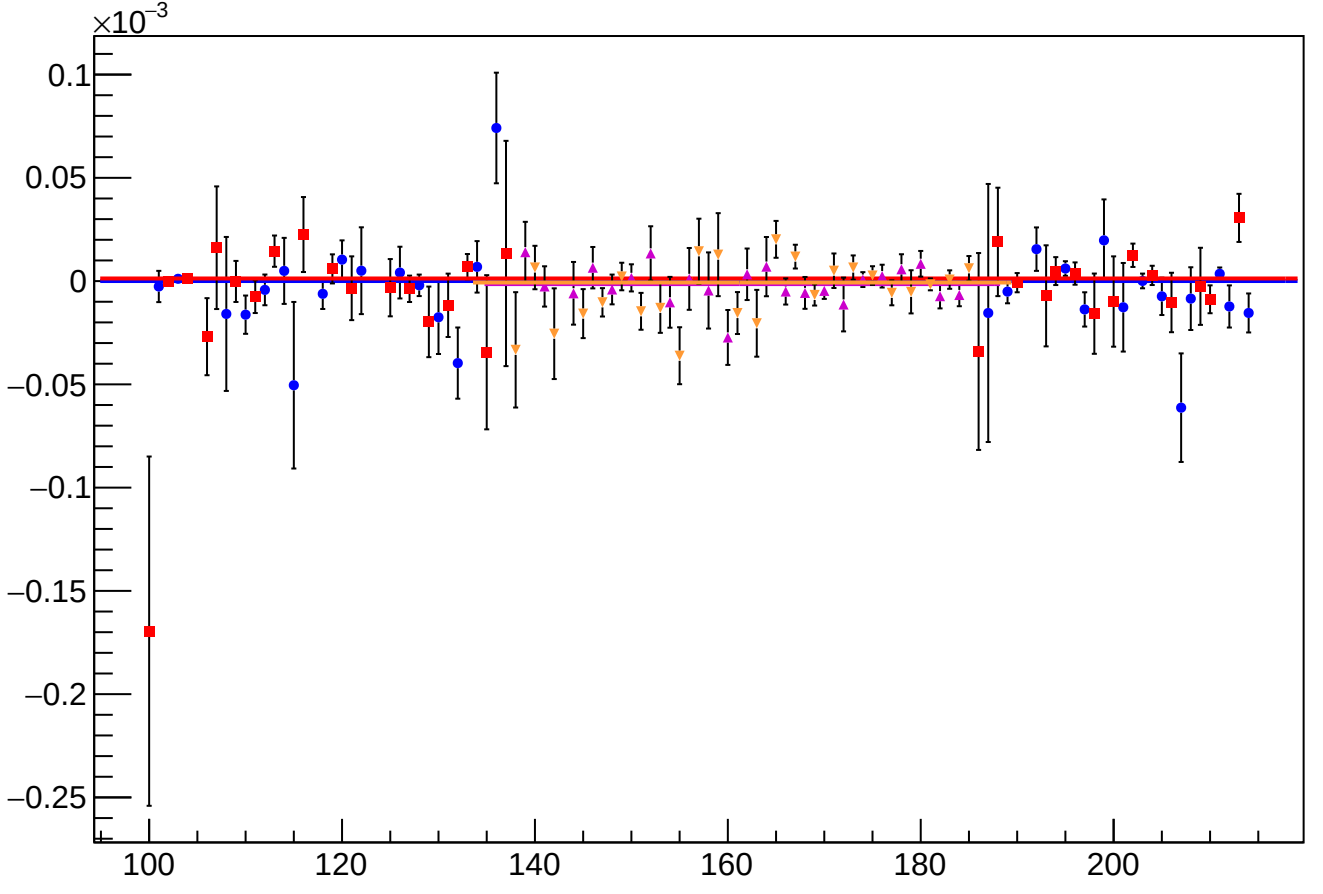
Right Out: 50.593+/-0.010 χ^2/NDF: 5838914.6/31

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 48.976+/-0.007 χ^2/NDF: 17126393.5/53

All: 49.685+/-0.005 χ^2/NDF: 35182610.2/108

- sign 50.439+/-0.007 χ^2/NDF: 18035191.4/54



Right In: 0.000+/-0.000 χ^2/NDF: 44.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

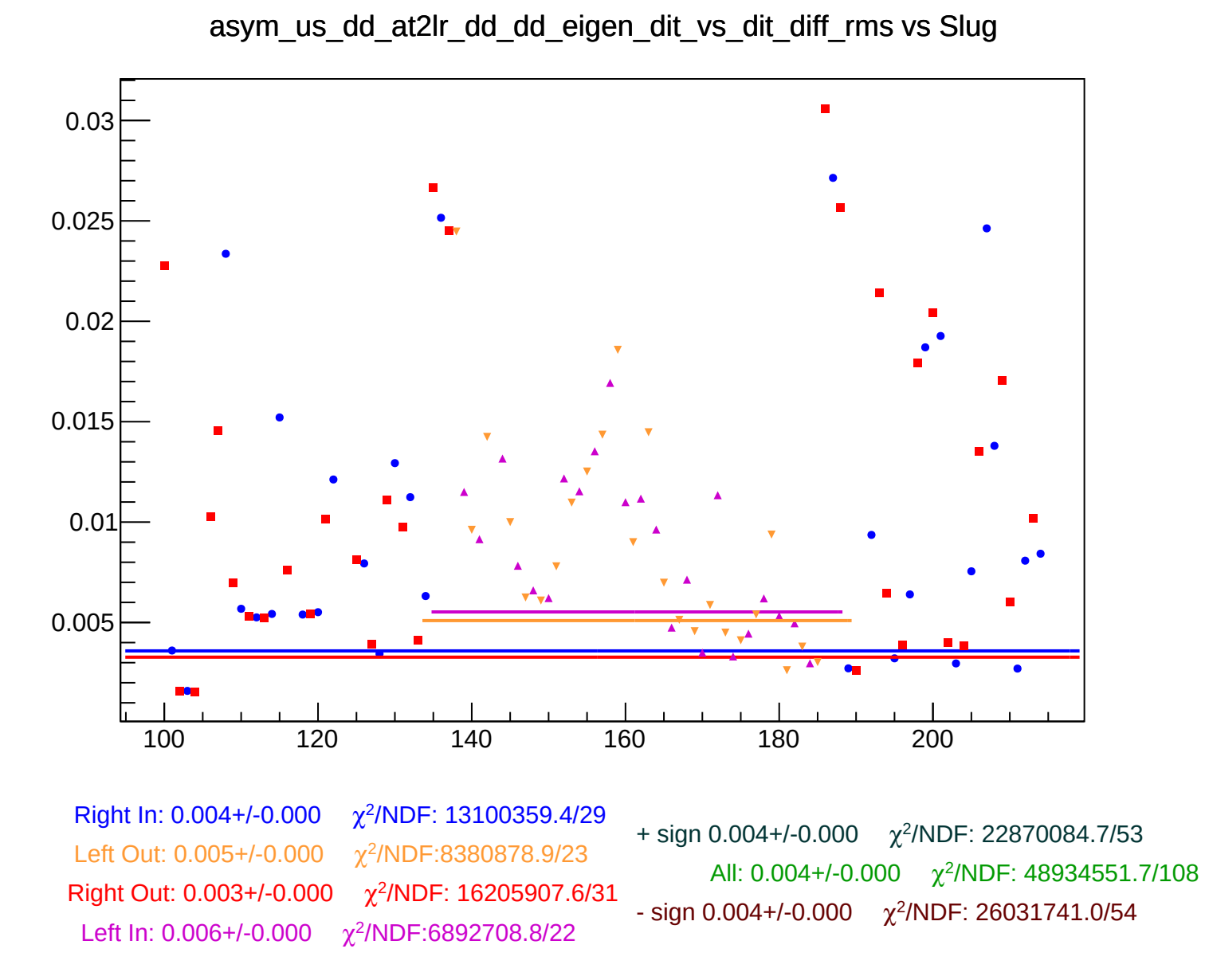
Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/31

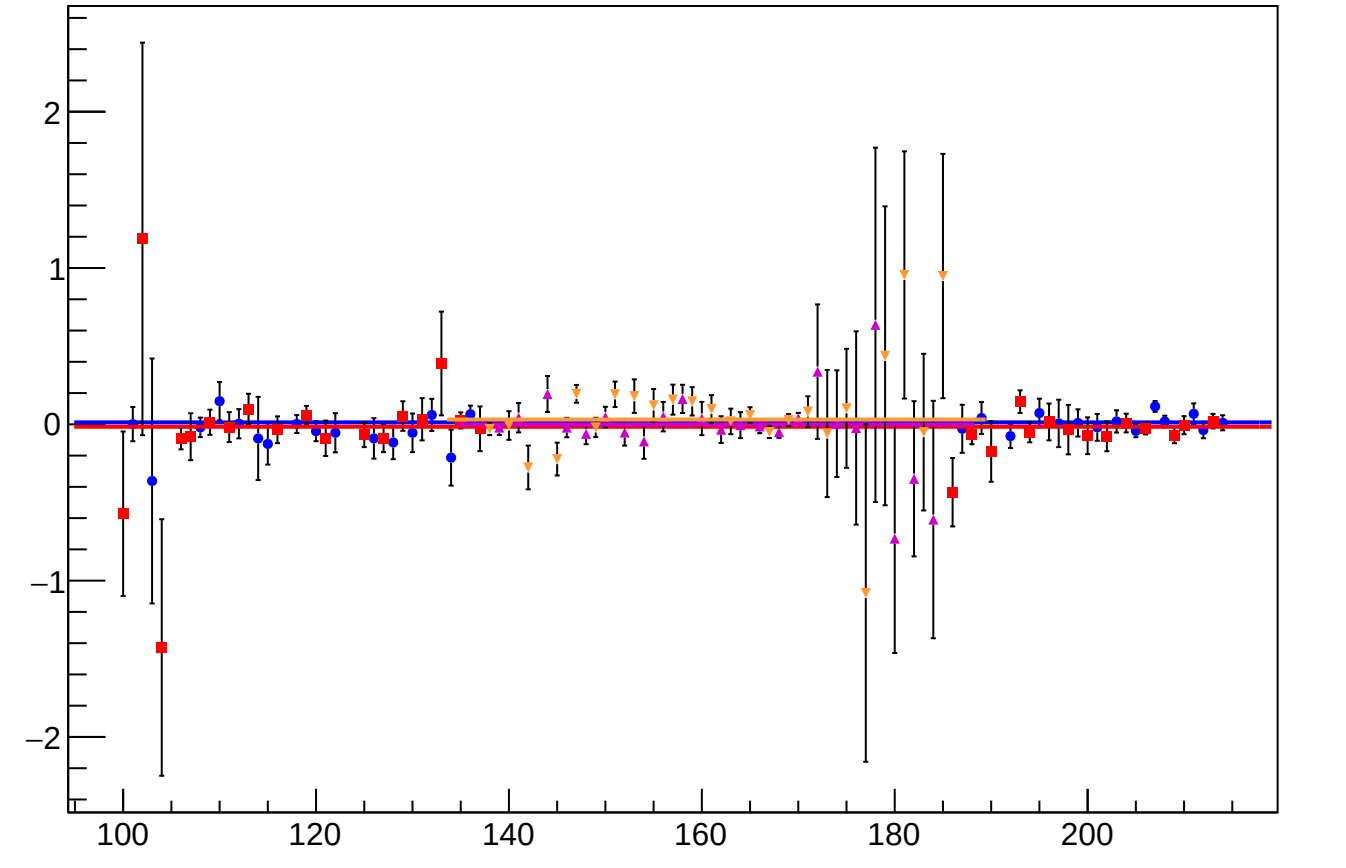
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.8/53

All: 0.000+/-0.000 χ^2/NDF: 135.7/108

- sign 0.000+/-0.000 χ^2/NDF: 52.7/54


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 13100359.4/29
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 16205907.6/31
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 22870084.7/53
All: 0.004+/-0.000 χ²/NDF: 48934551.7/108
- sign 0.004+/-0.000 χ²/NDF: 26031741.0/54



Right In: 0.012+/-0.013 χ^2/NDF: 23.1/29

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

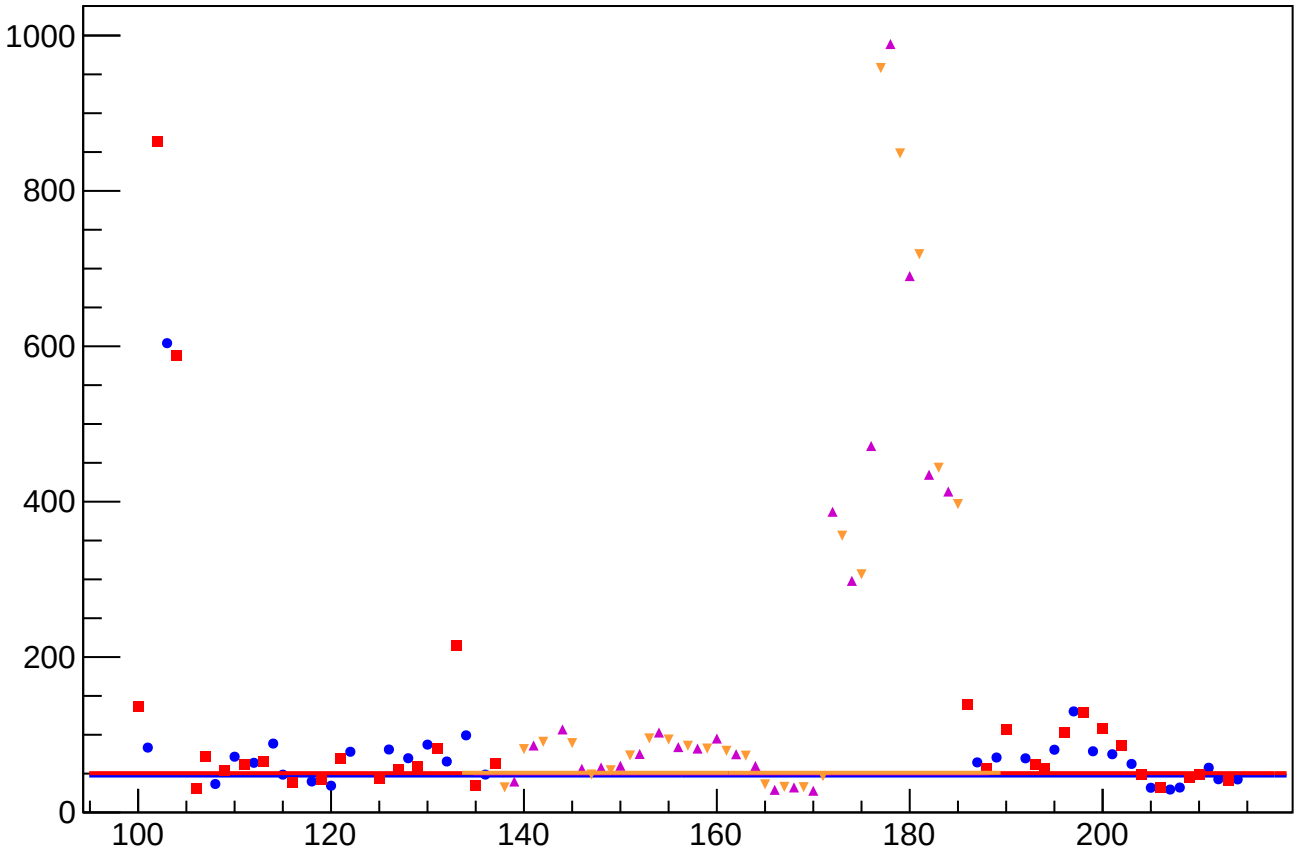
Right Out: -0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.020+/-0.010 χ^2/NDF: 65.4/53

All: 0.006+/-0.007 χ^2/NDF: 112.9/108

- sign -0.009+/-0.010 χ^2/NDF: 43.3/54



Right In: 47.505+/-0.009 χ^2/NDF: 5326701.6/29

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

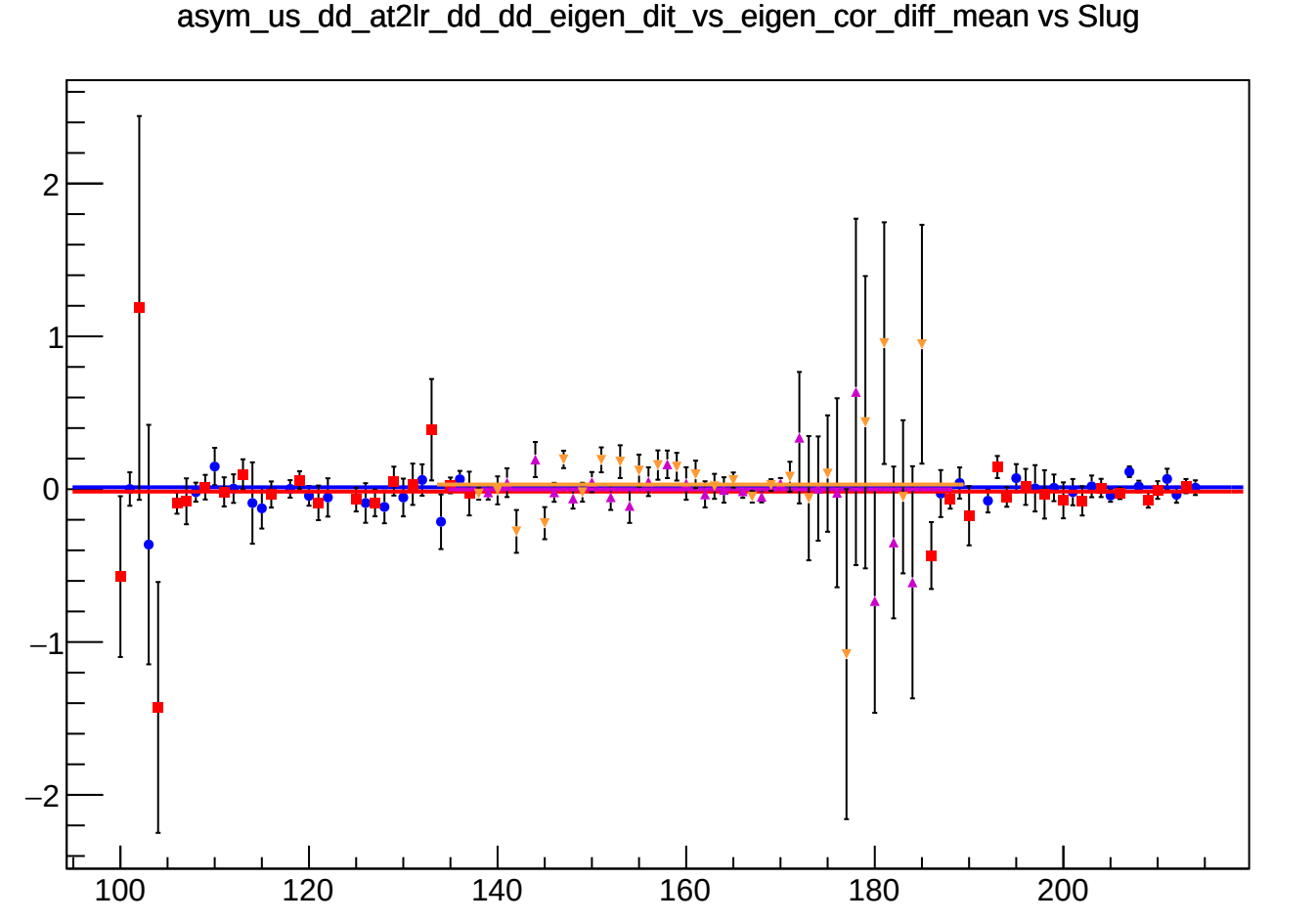
Right Out: 50.594+/-0.010 χ^2/NDF: 5838616.0/31

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 48.978+/-0.007 χ^2/NDF: 17125451.4/53

All: 49.686+/-0.005 χ^2/NDF: 35181299.4/108

- sign 50.439+/-0.007 χ^2/NDF: 18034839.1/54



Right In: 0.012+/-0.013 χ^2/NDF: 23.1/29

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

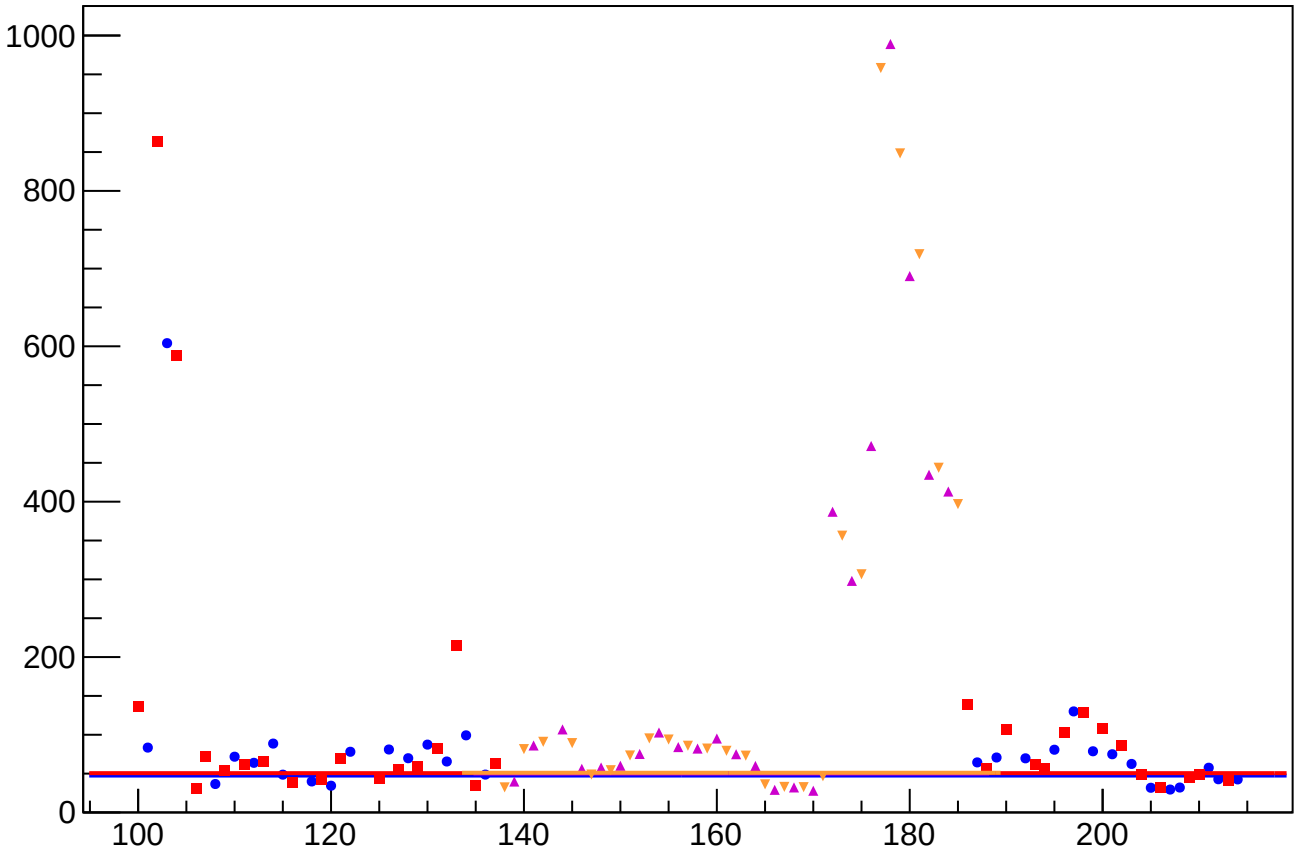
Right Out: -0.016+/-0.014 χ^2/NDF: 26.8/31

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.020+/-0.010 χ^2/NDF: 65.4/53

All: 0.006+/-0.007 χ^2/NDF: 112.9/108

- sign -0.009+/-0.010 χ^2/NDF: 43.3/54



Right In: 47.505+/-0.009 χ^2/NDF: 5326701.6/29

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

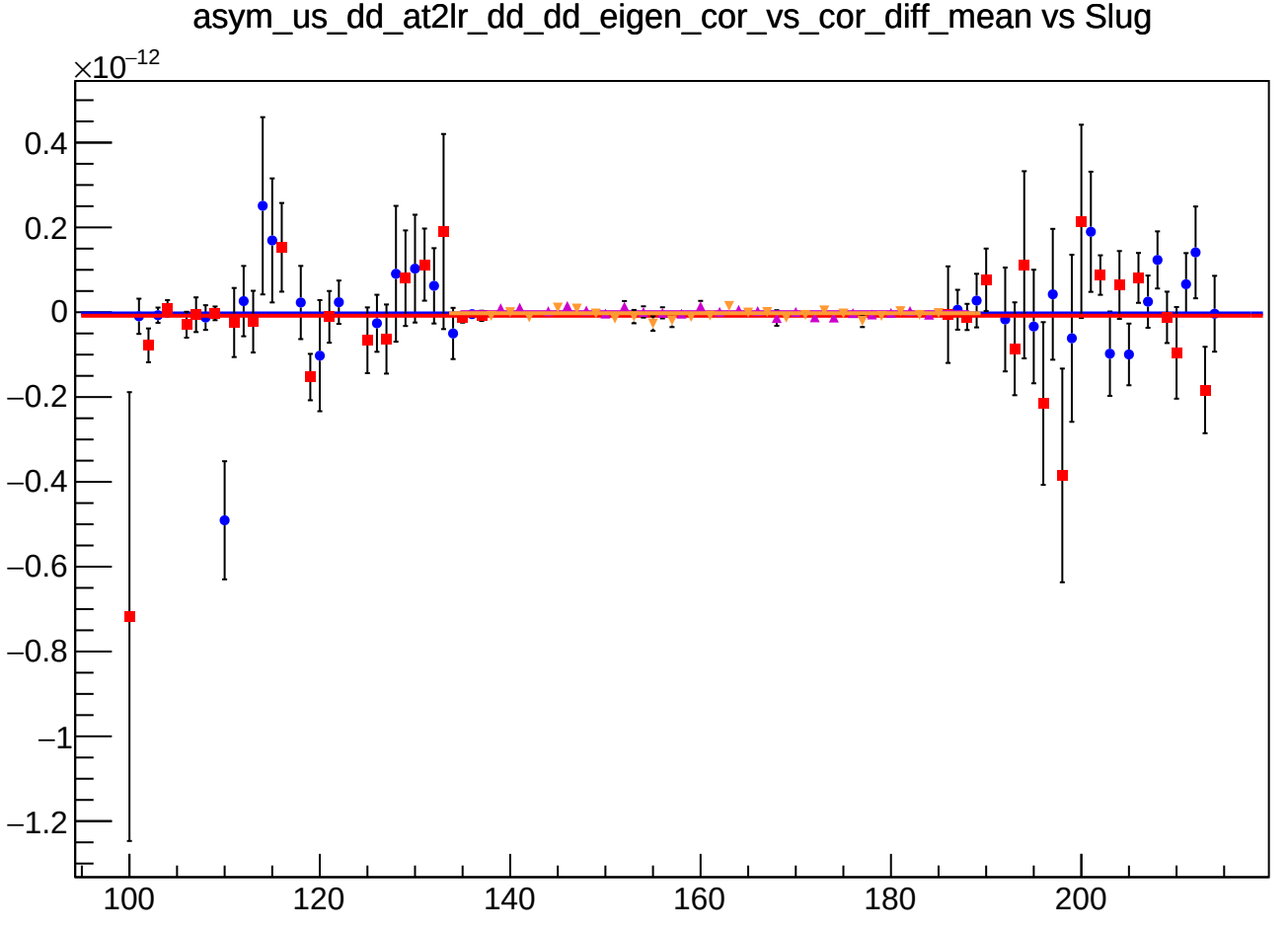
Right Out: 50.594+/-0.010 χ^2/NDF: 5838616.0/31

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 48.978+/-0.007 χ^2/NDF: 17125451.4/53

All: 49.686+/-0.005 χ^2/NDF: 35181299.4/108

- sign 50.439+/-0.007 χ^2/NDF: 18034839.1/54



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

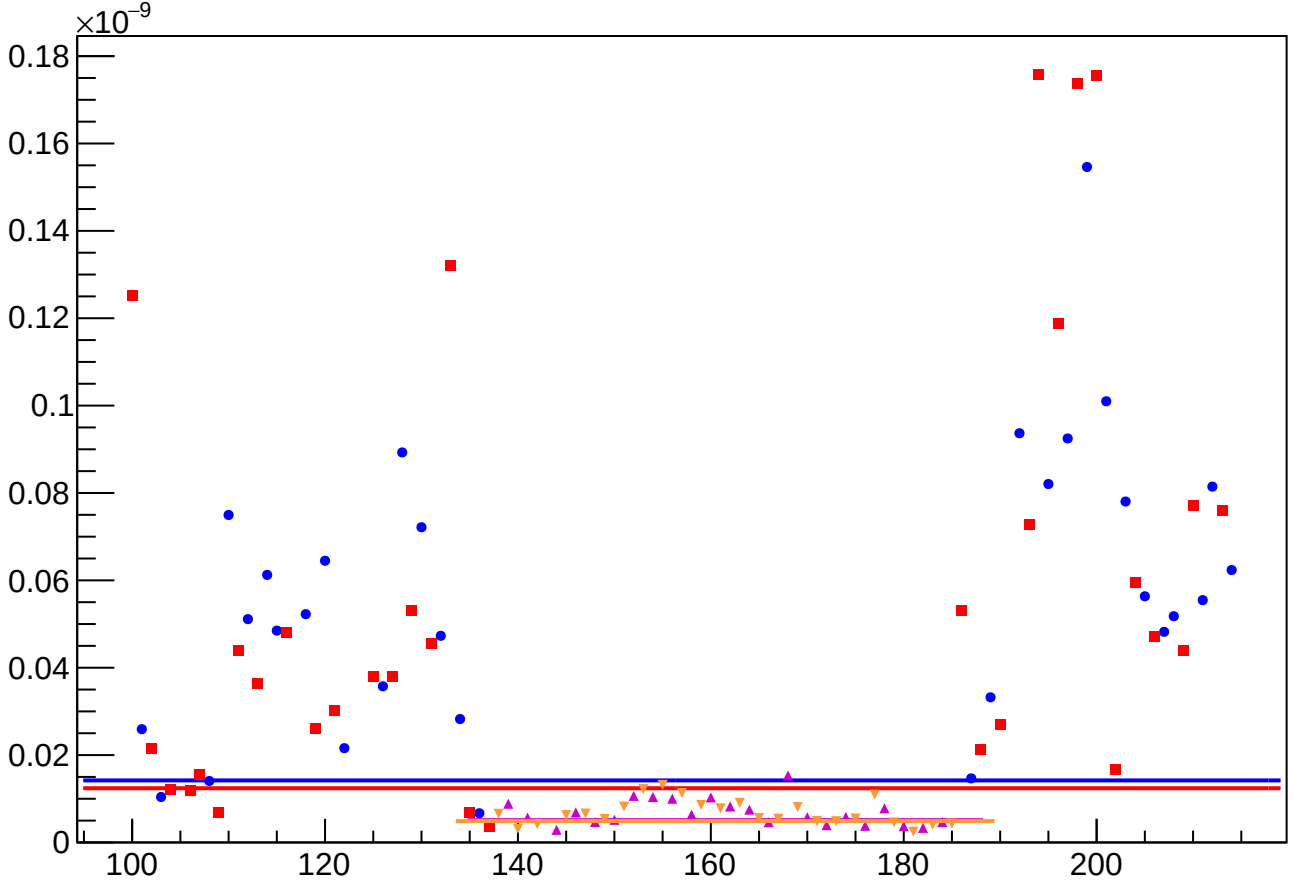
Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/31

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.3/53

All: -0.000+/-0.000 χ^2/NDF: 111.0/108

- sign -0.000+/-0.000 χ^2/NDF: 57.7/54



Right In: 0.000+/-0.000 χ^2/NDF: 13632818.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12564873.6/31

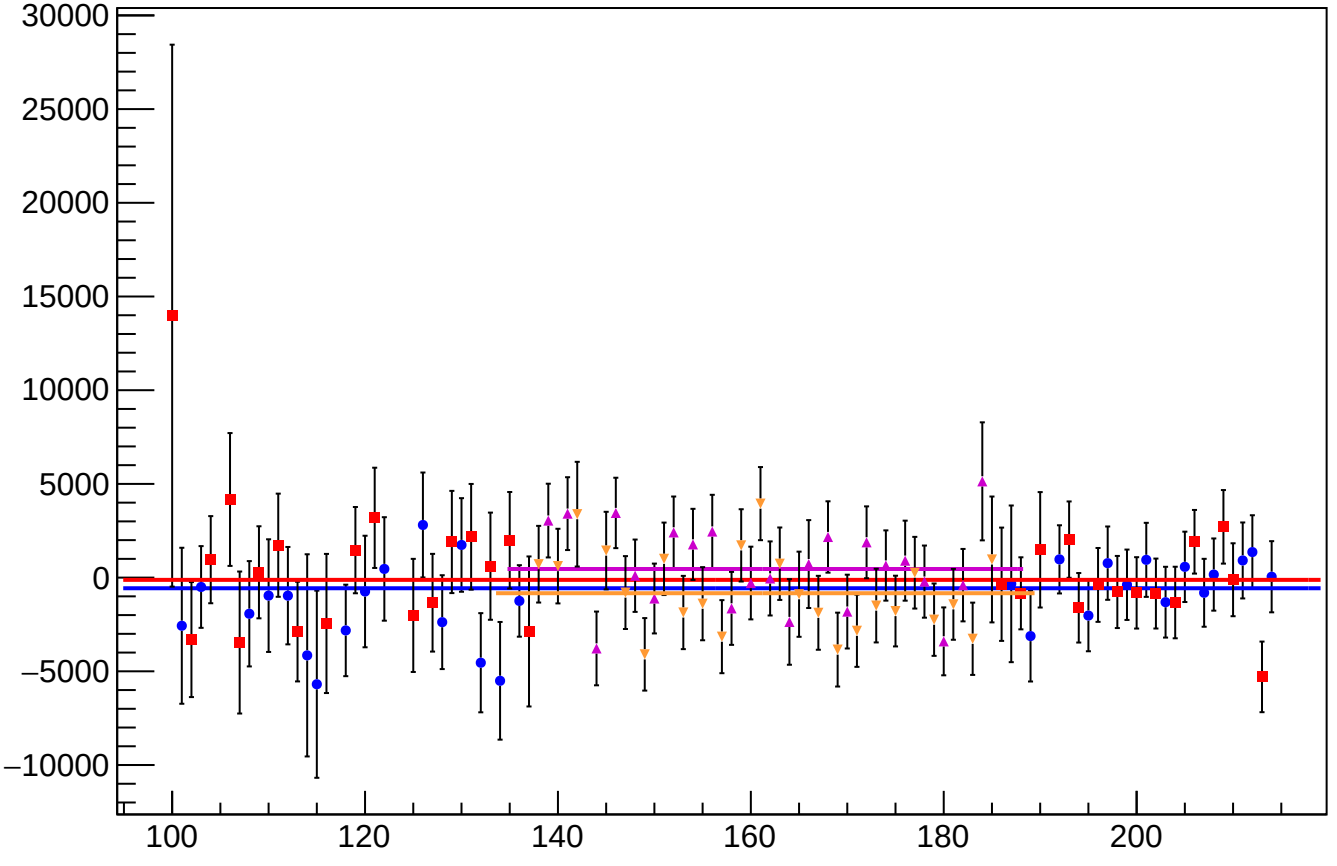
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21807092.7/53

All: 0.000+/-0.000 χ^2/NDF: 40853040.3/108

- sign 0.000+/-0.000 χ^2/NDF: 19030642.2/54

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -568.232+/-421.413 χ^2/NDF: 16.5/29

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -120.432+/-419.865 χ^2/NDF: 25.5/31

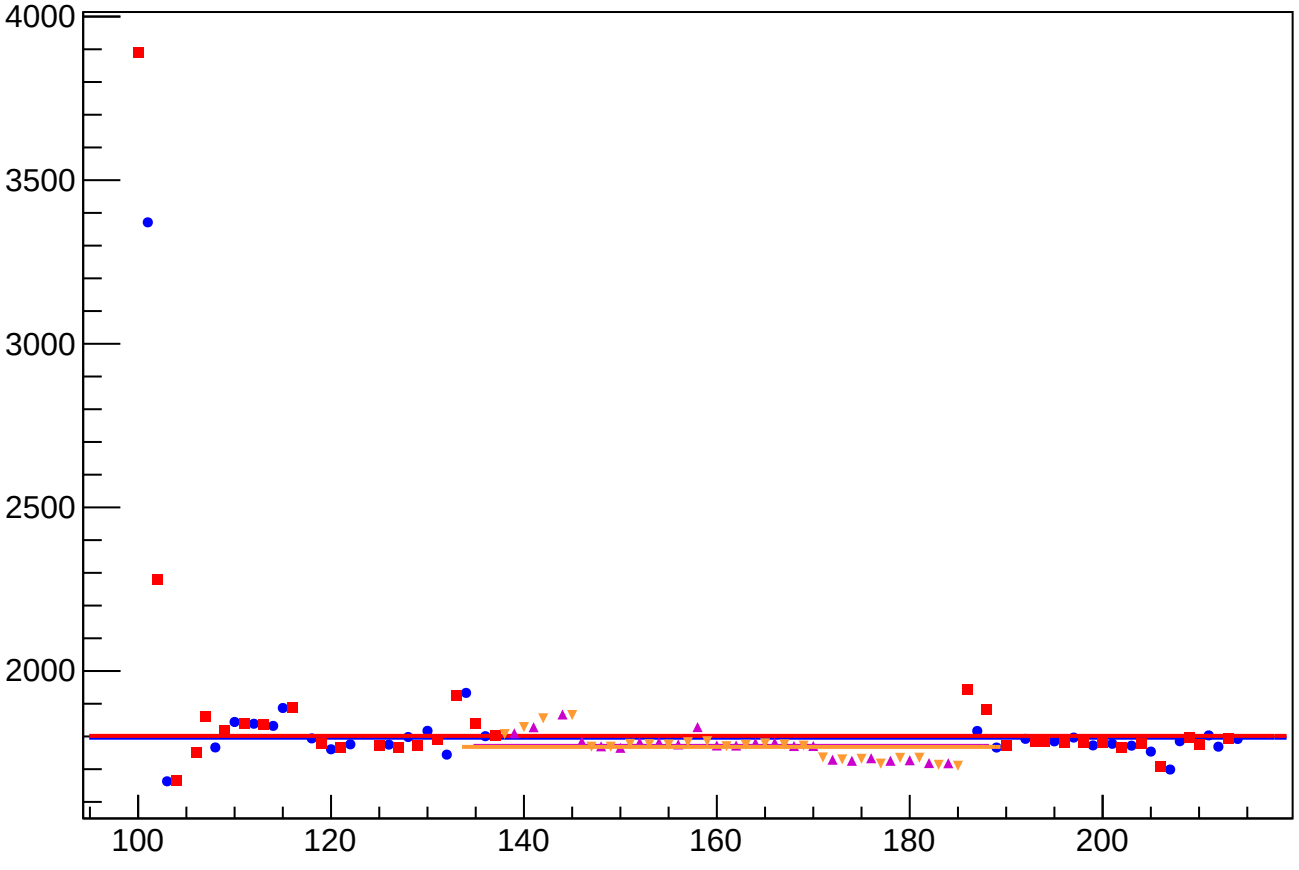
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -703.891+/-294.031 χ^2/NDF: 42.1/53

All: -265.931+/-208.134 χ^2/NDF: 100.3/108

- sign 173.915+/-294.663 χ^2/NDF: 53.8/54

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.212+/-0.298 χ^2/NDF: 309657.8/29

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

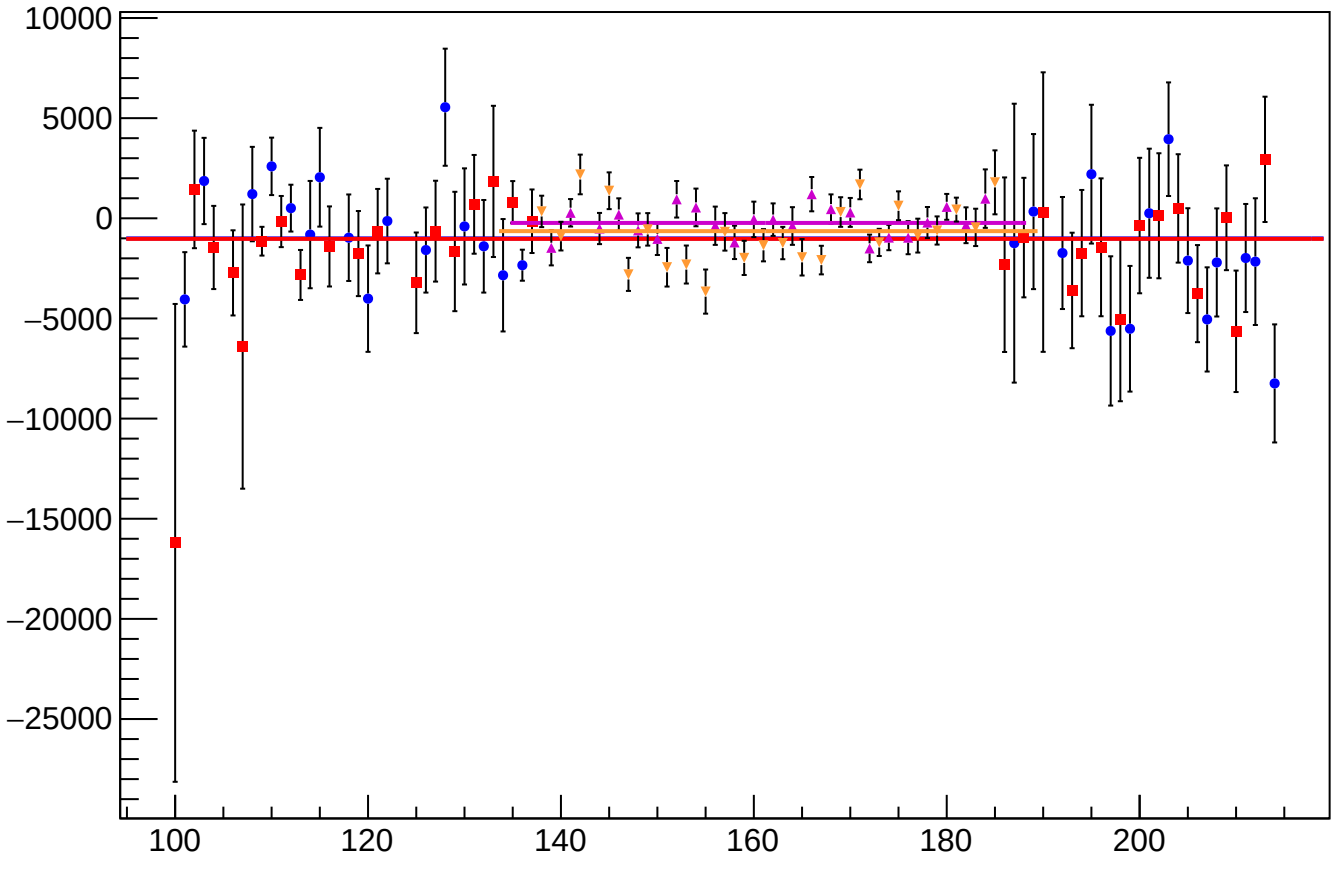
Right Out: 1801.816+/-0.297 χ^2/NDF: 122330.9/31

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.799+/-0.208 χ^2/NDF: 330575.3/53

All: 1784.039+/-0.147 χ^2/NDF: 474955.1/108

- sign 1786.288+/-0.208 χ^2/NDF: 144147.2/54



Right In: -1004.371+/-389.498 χ^2/NDF: 40.8/29

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: -1026.200+/-356.549 χ^2/NDF: 19.5/31

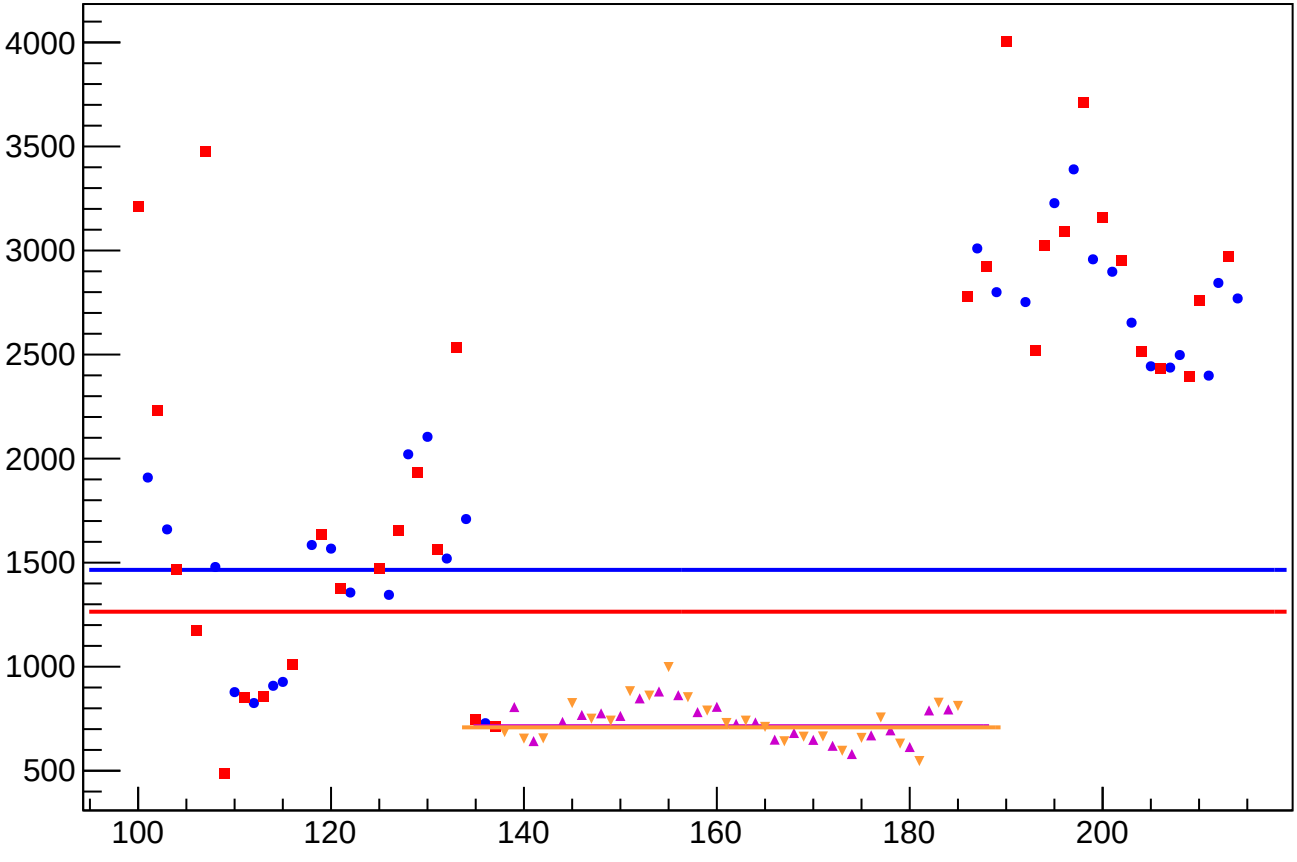
Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -697.137+/-153.059 χ^2/NDF: 108.2/53

All: -535.493+/-107.928 χ^2/NDF: 153.9/108

- sign -375.636+/-152.211 χ^2/NDF: 43.5/54

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug



Right In: 1465.284+/-0.275 χ^2/NDF: 8091024.4/29

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1264.280+/-0.252 χ^2/NDF: 11522615.3/31

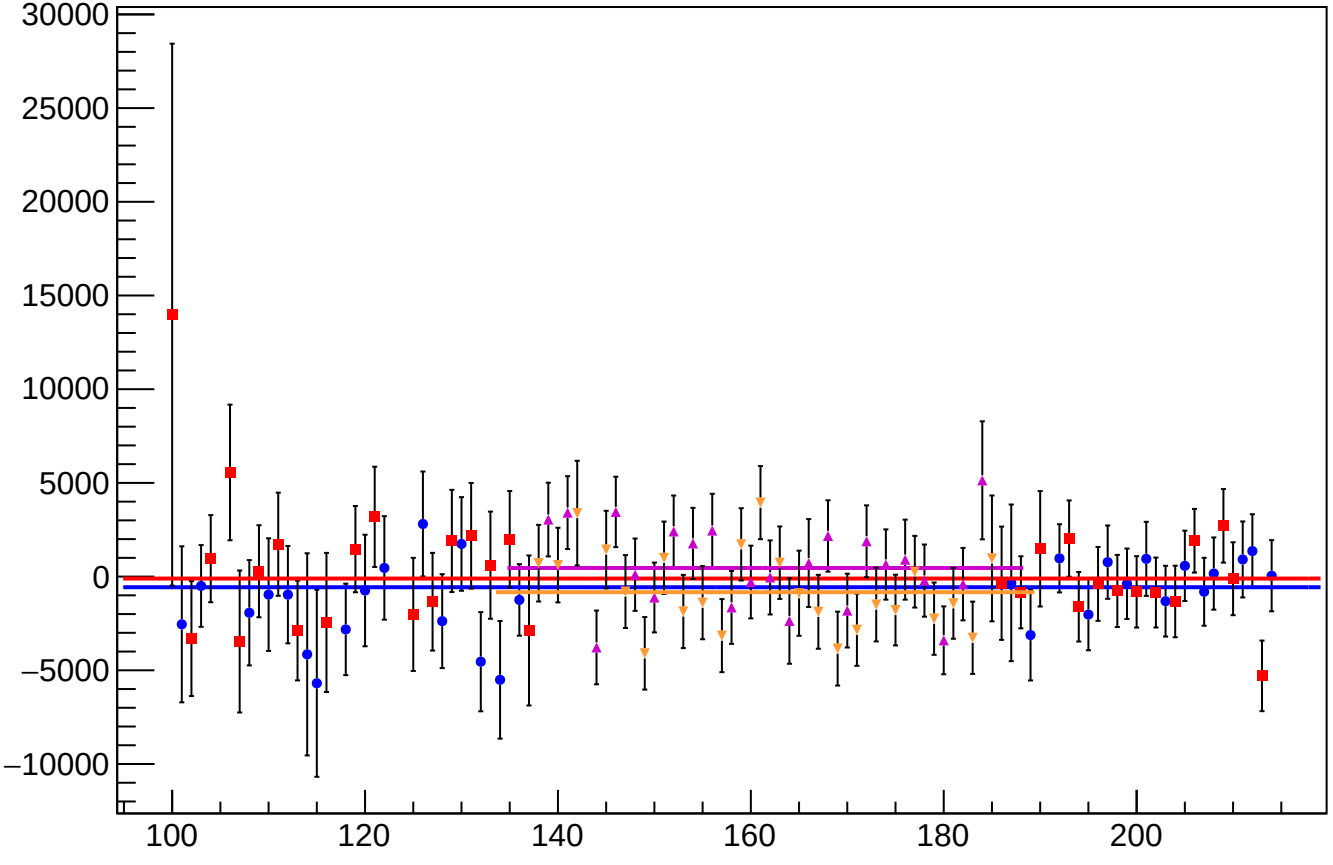
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 825.366+/-0.108 χ^2/NDF: 15175833.9/53

All: 819.861+/-0.076 χ^2/NDF: 31094231.2/10

- sign 814.418+/-0.108 χ^2/NDF: 15913252.4/54

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -568.003+/-421.413 χ^2/NDF: 16.5/29

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -104.205+/-419.986 χ^2/NDF: 26.5/31

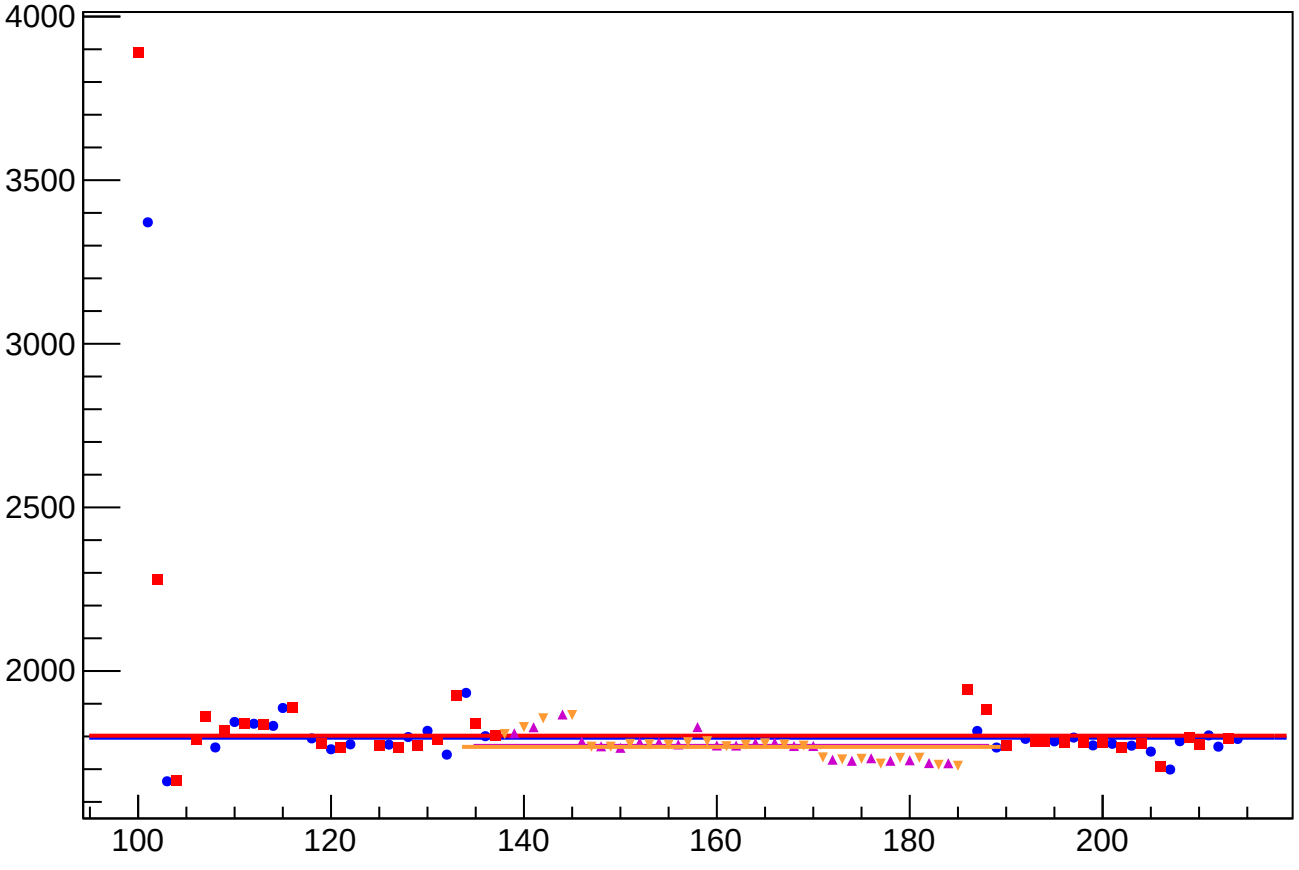
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -703.725+/-294.031 χ^2/NDF: 42.1/53

All: -261.893+/-208.149 χ^2/NDF: 101.3/108

- sign 181.967+/-294.705 χ^2/NDF: 54.7/54

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.212+/-0.298 χ^2/NDF: 309659.7/29

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

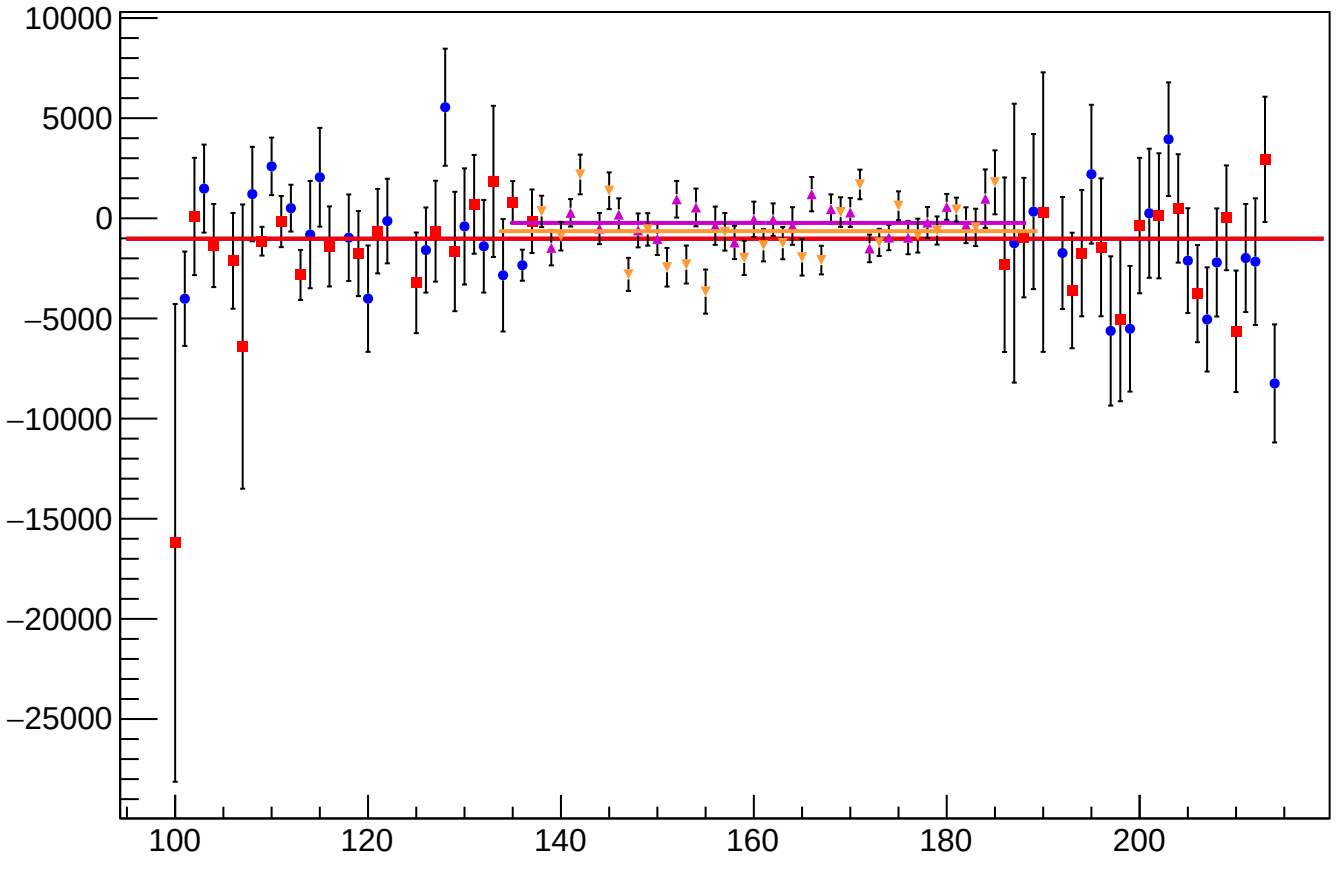
Right Out: 1802.396+/-0.297 χ^2/NDF: 121926.1/31

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.799+/-0.208 χ^2/NDF: 330577.1/53

All: 1784.179+/-0.147 χ^2/NDF: 474786.7/108

- sign 1786.569+/-0.208 χ^2/NDF: 143946.9/54



Right In: -1019.291+/-389.751 χ^2/NDF: 40.3/29

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1019.603+/-357.585 χ^2/NDF: 18.4/31

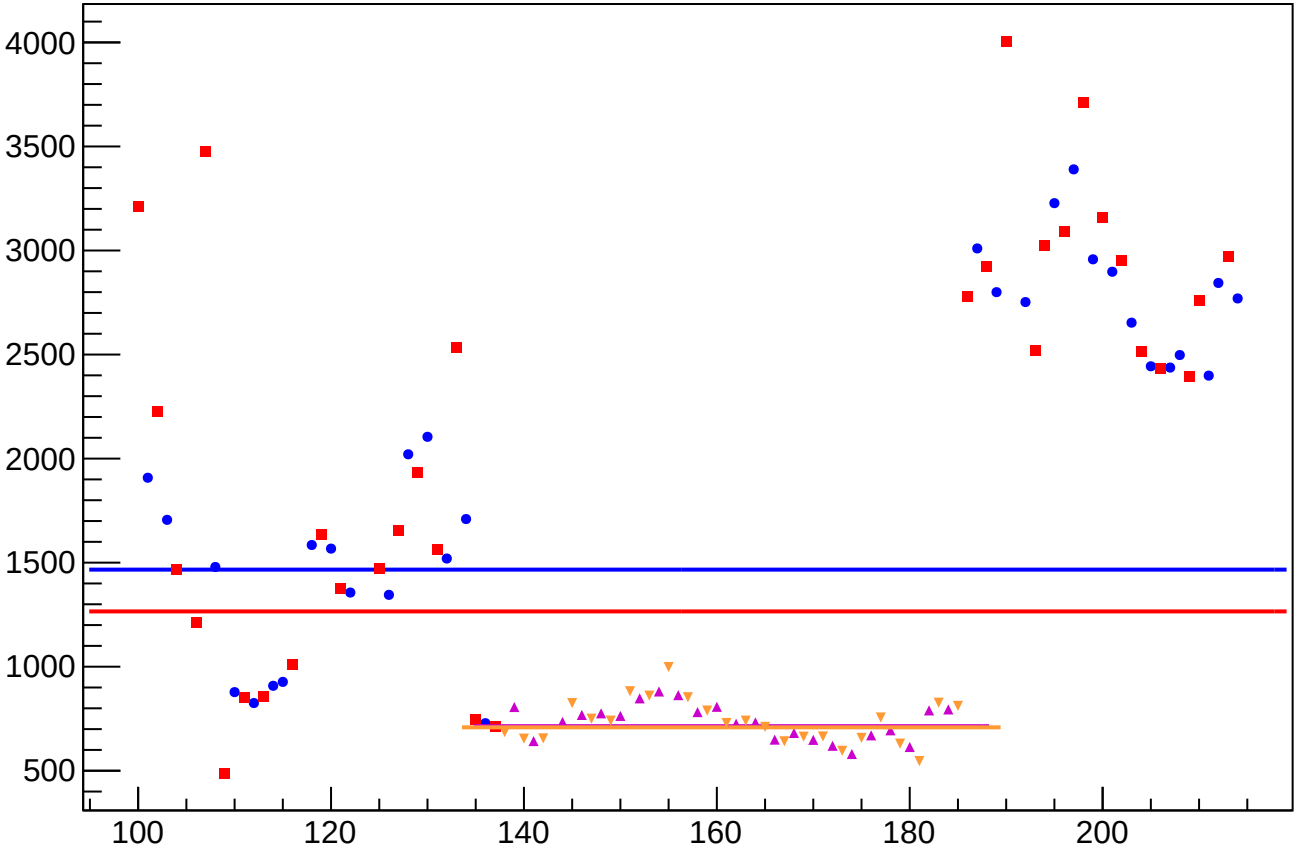
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -699.356+/-153.075 χ^2/NDF: 107.8/53

All: -535.687+/-107.963 χ^2/NDF: 152.4/108

- sign -373.689+/-152.292 χ^2/NDF: 42.4/54

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1466.469+/-0.276 χ^2/NDF: 8098284.5/29

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1265.633+/-0.253 χ^2/NDF: 11518923.2/31

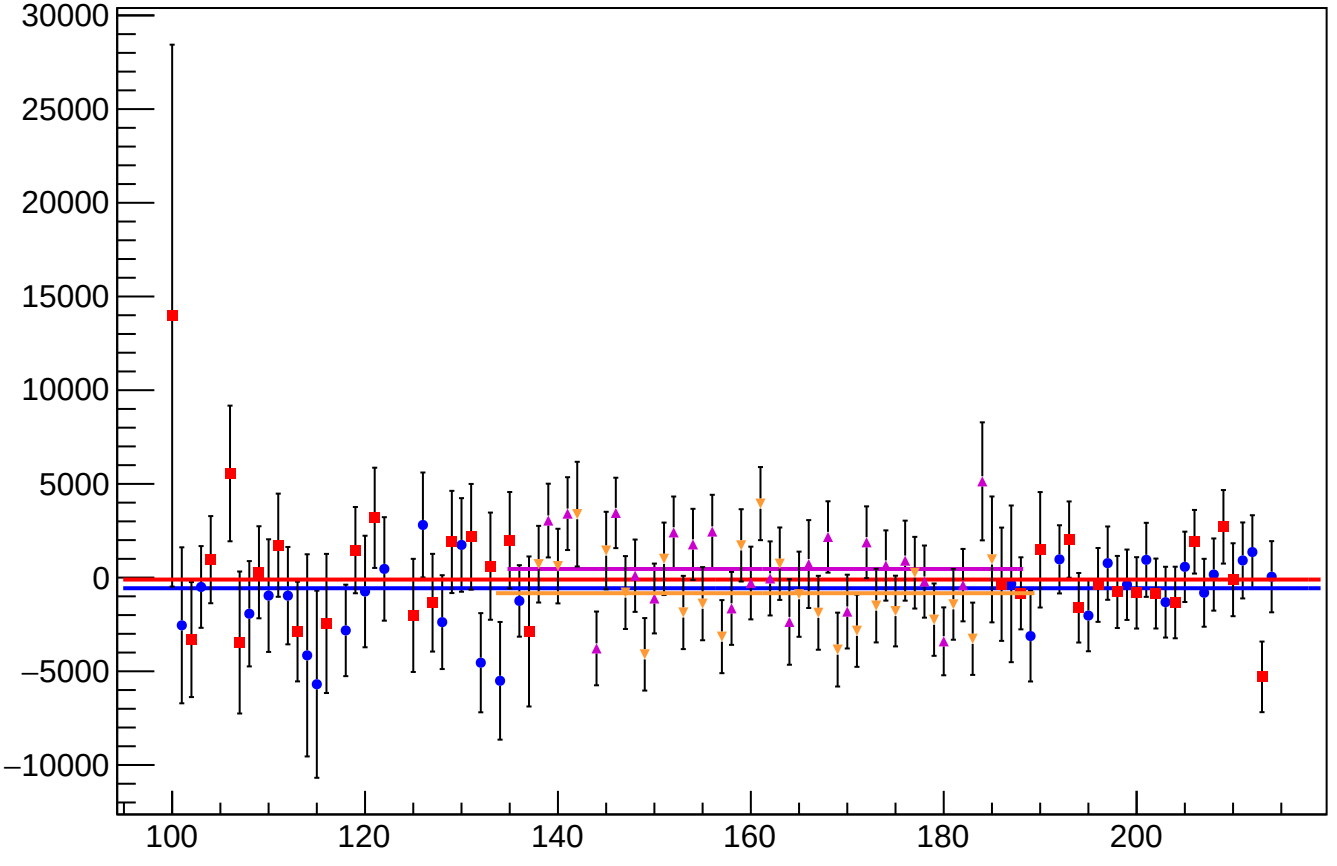
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 825.426+/-0.108 χ^2/NDF: 15195917.5/53

All: 819.782+/-0.076 χ^2/NDF: 31111433.3/10

- sign 814.194+/-0.108 χ^2/NDF: 15910104.0/54

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -568.003+/-421.413 χ^2/NDF: 16.5/29

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -104.205+/-419.986 χ^2/NDF: 26.5/31

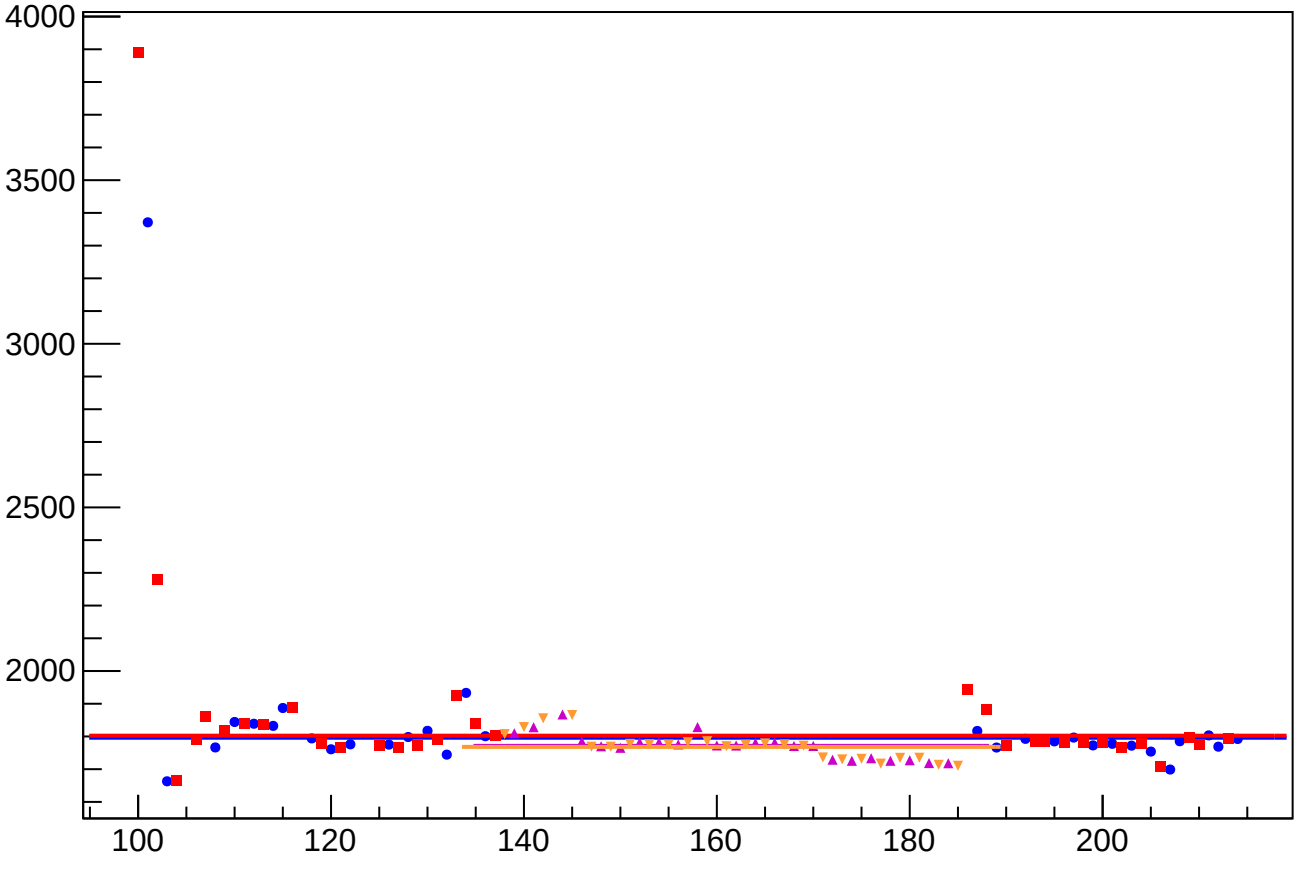
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -703.725+/-294.031 χ^2/NDF: 42.1/53

All: -261.893+/-208.149 χ^2/NDF: 101.3/108

- sign 181.967+/-294.705 χ^2/NDF: 54.7/54

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1796.212+/-0.298 χ^2/NDF: 309659.7/29

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

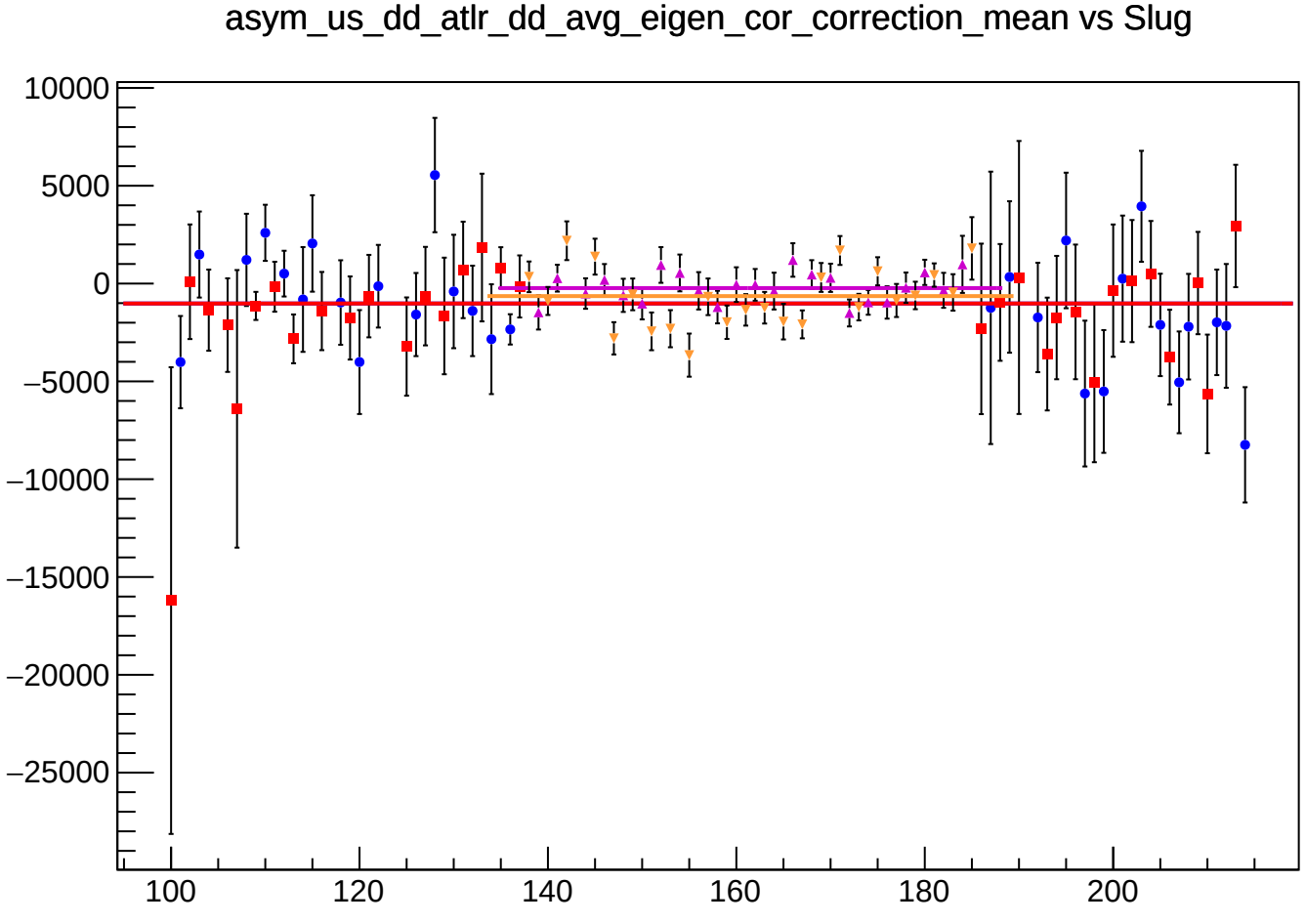
Right Out: 1802.396+/-0.297 χ^2/NDF: 121926.1/31

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.799+/-0.208 χ^2/NDF: 330577.1/53

All: 1784.179+/-0.147 χ^2/NDF: 474786.7/108

- sign 1786.569+/-0.208 χ^2/NDF: 143946.9/54



Right In: -1019.291+/-389.751 χ^2/NDF: 40.3/29

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

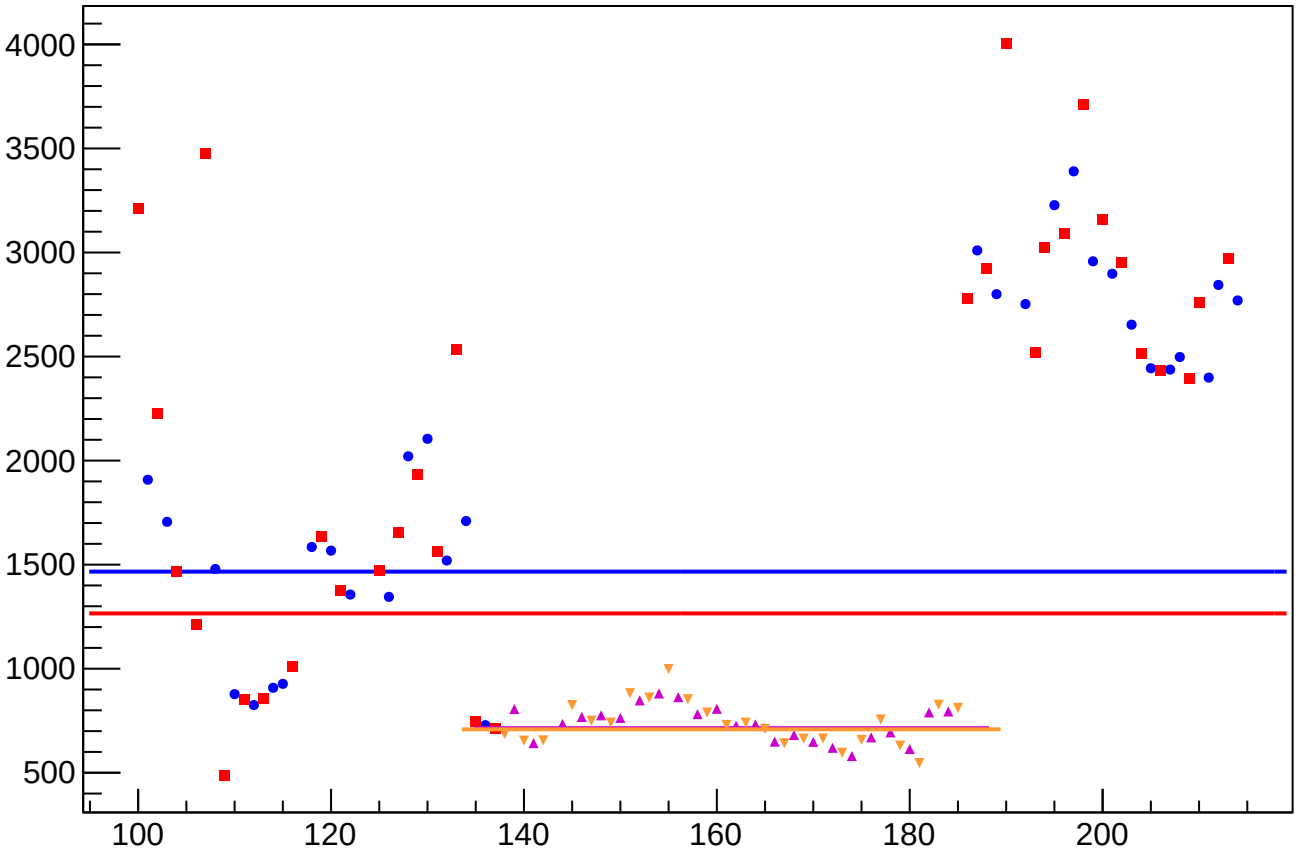
Right Out: -1019.603+/-357.585 χ^2/NDF: 18.4/31

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

\+ sign -699.356+/-153.075 χ^2/NDF: 107.8/53

All: -535.687+/-107.963 χ^2/NDF: 152.4/108

\- sign -373.689+/-152.292 χ^2/NDF: 42.4/54



Right In: 1466.469+/-0.276 χ^2/NDF: 8098284.5/29

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1265.633+/-0.253 χ^2/NDF: 11518923.2/31

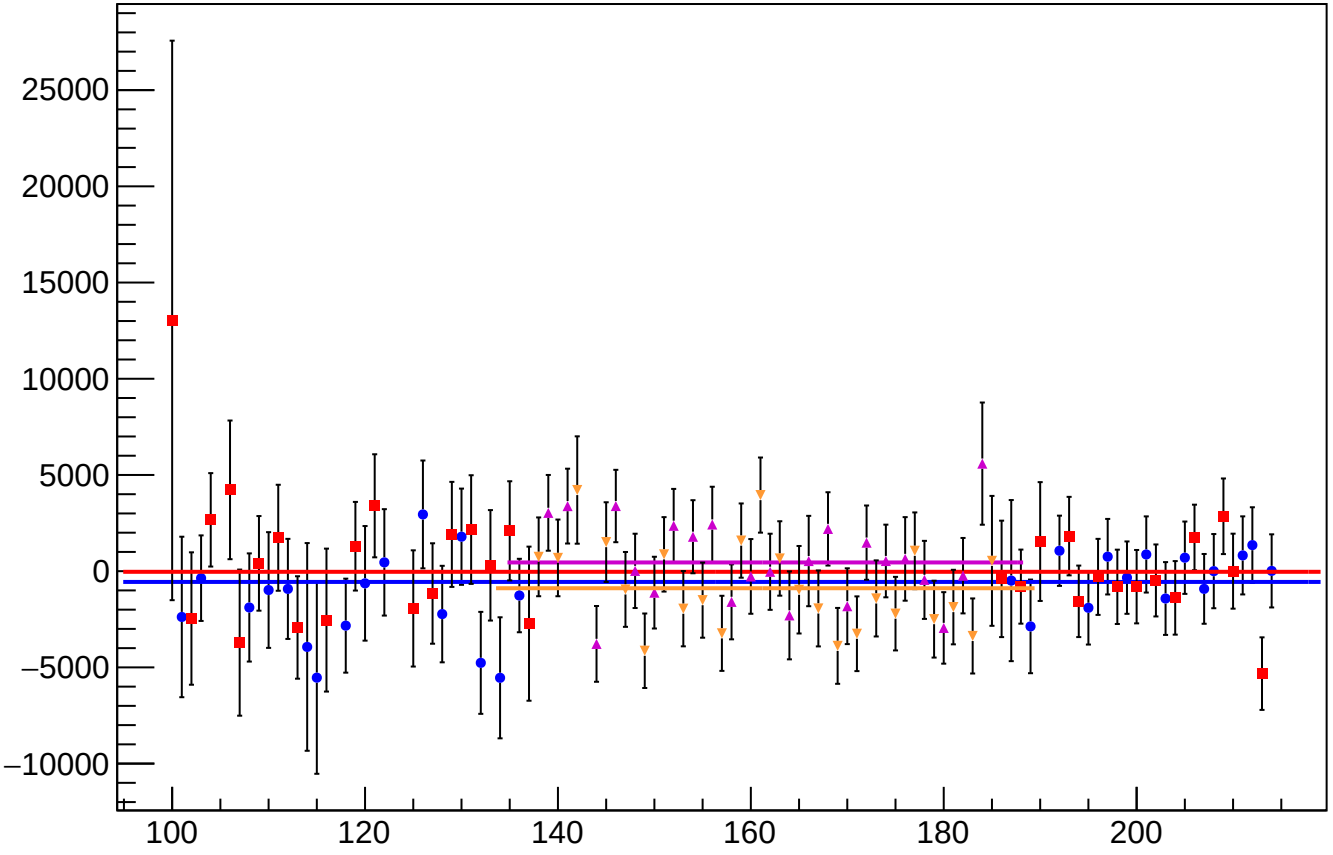
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 825.426+/-0.108 χ^2/NDF: 15195917.5/53

All: 819.782+/-0.076 χ^2/NDF: 31111433.3/10

- sign 814.194+/-0.108 χ^2/NDF: 15910104.0/54

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -558.960+/-422.318 χ^2/NDF: 16.4/29

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -32.725+/-421.978 χ^2/NDF: 25.8/31

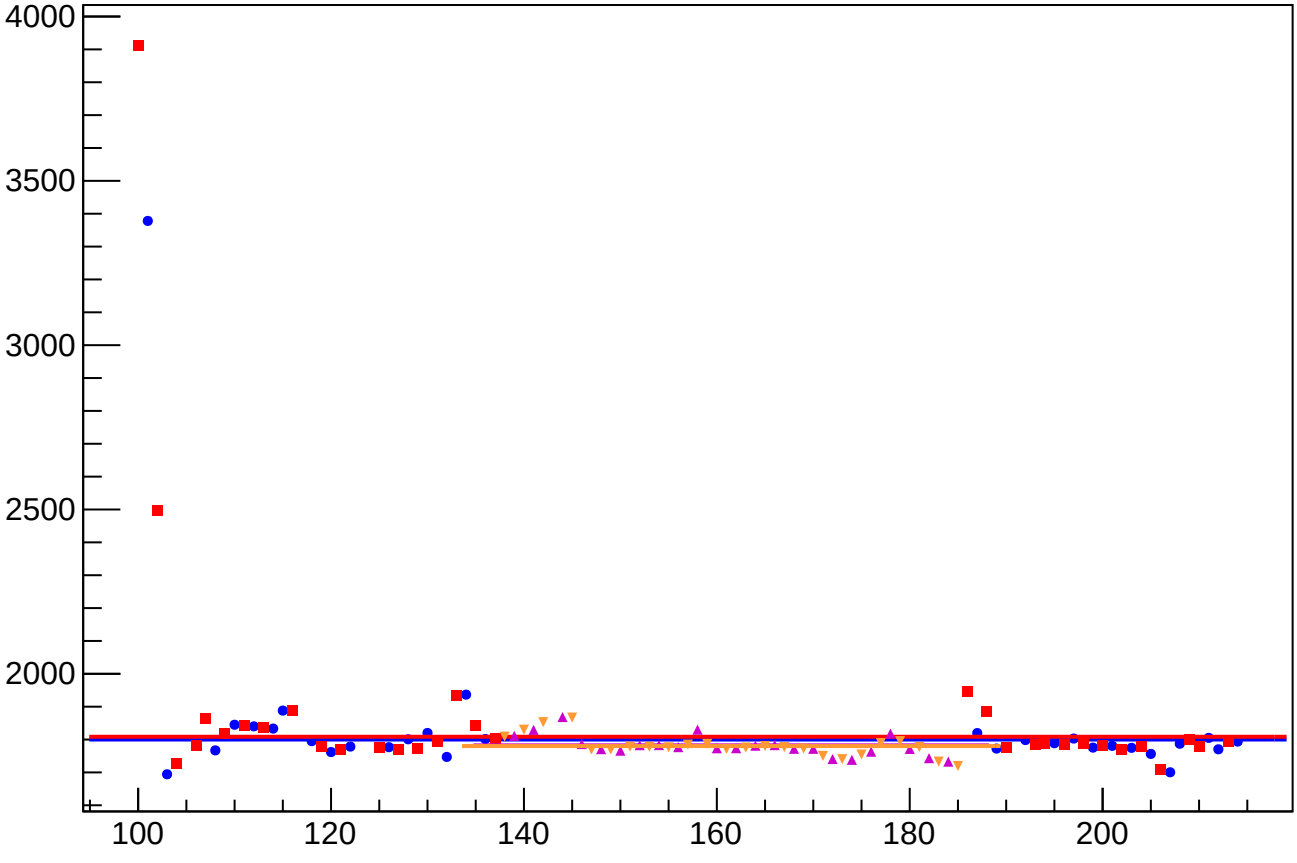
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -726.218+/-295.357 χ^2/NDF: 44.8/53

All: -257.835+/-209.189 χ^2/NDF: 102.1/108

- sign 213.606+/-296.320 χ^2/NDF: 52.2/54

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1800.094+/-0.299 χ^2/NDF: 307034.1/29

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

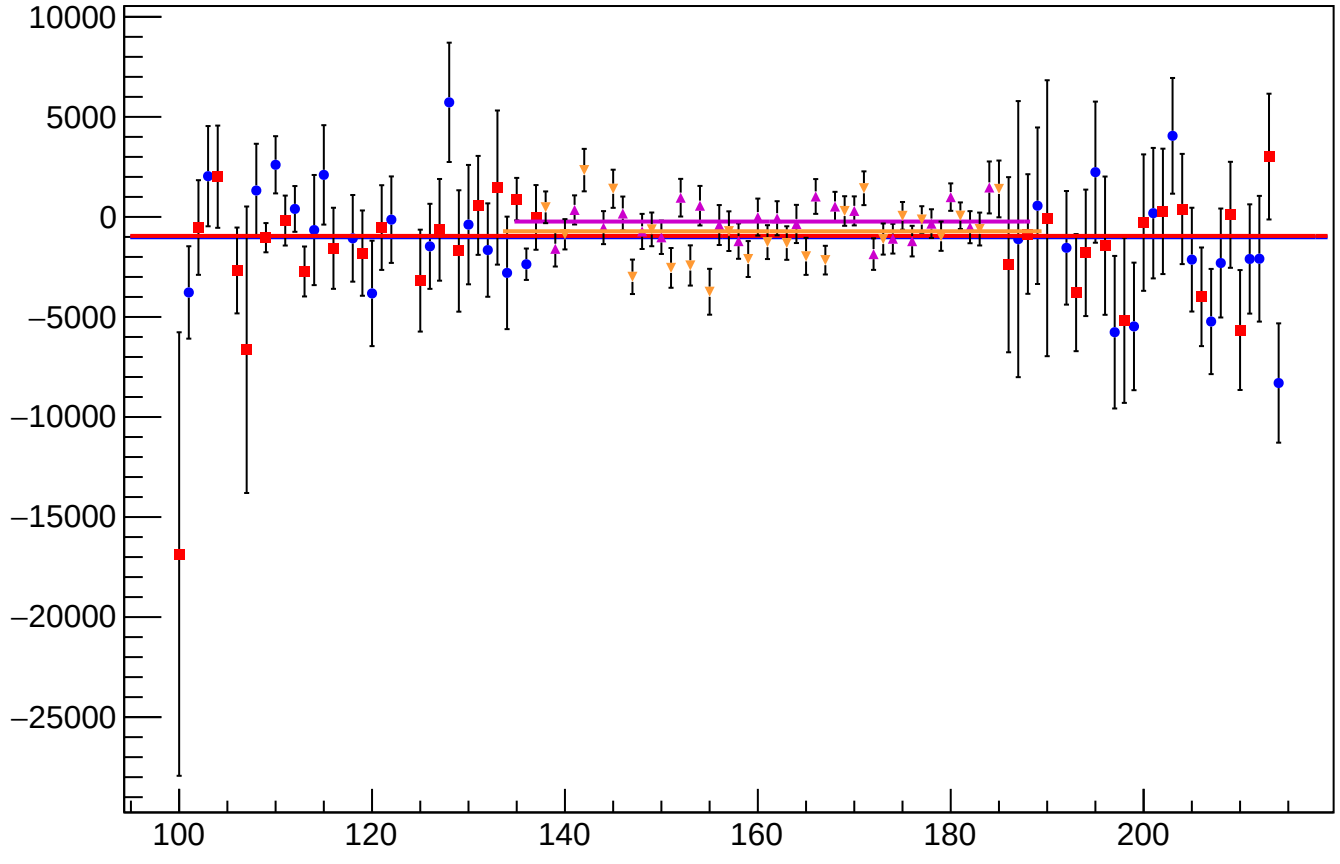
Right Out: 1808.486+/-0.298 χ^2/NDF: 149787.3/31

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.941+/-0.209 χ^2/NDF: 319676.9/53

All: 1792.568+/-0.148 χ^2/NDF: 484918.2/108

- sign 1795.212+/-0.210 χ^2/NDF: 164923.9/54



Right In: -1015.796+/-392.922 χ^2/NDF: 40.4/29

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: -948.424+/-359.846 χ^2/NDF: 20.7/31

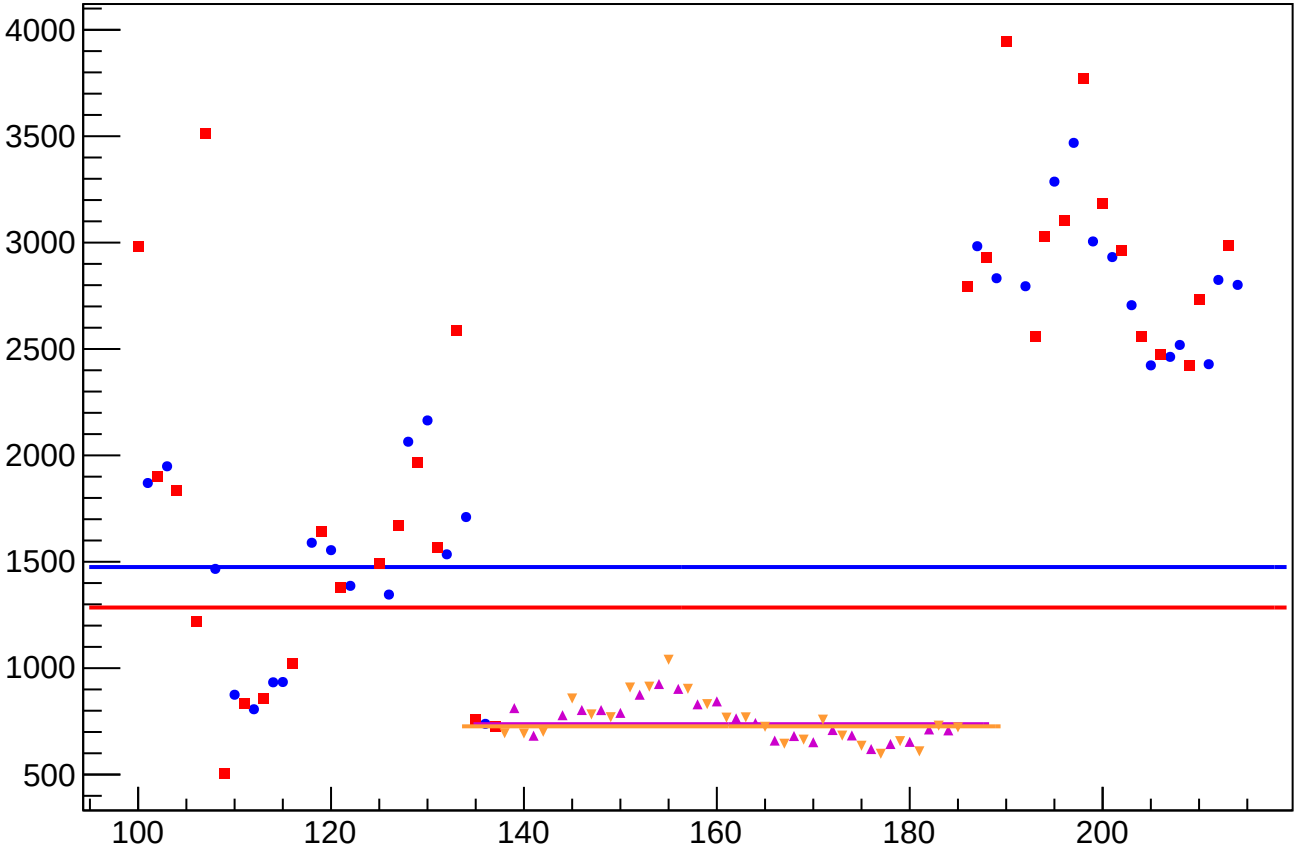
Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -764.057+/-156.488 χ^2/NDF: 100.2/53

All: -564.957+/-110.565 χ^2/NDF: 151.5/108

- sign -366.499+/-156.236 χ^2/NDF: 48.0/54

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug



Right In: 1475.214+/-0.278 χ^2/NDF: 8236762.8/29

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1285.015+/-0.254 χ^2/NDF: 11403850.5/31

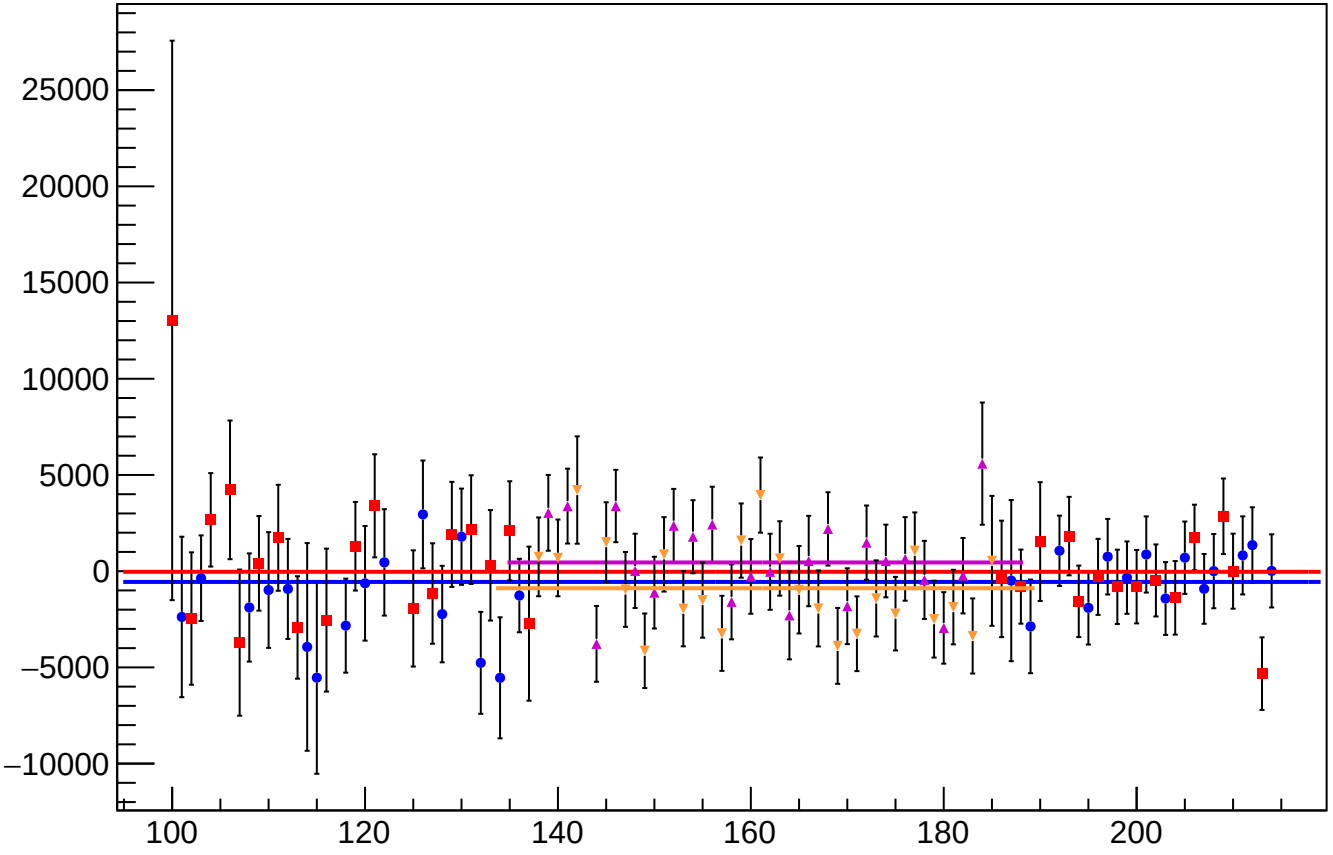
Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

\+ sign 845.347+/-0.111 χ^2/NDF: 15029875.4/53

All: 842.704+/-0.078 χ^2/NDF: 30668041.4/10

\- sign 840.069+/-0.110 χ^2/NDF: 15637026.5/54

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -558.959+/-422.318 χ^2/NDF: 16.4/29

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -32.724+/-421.978 χ^2/NDF: 25.8/31

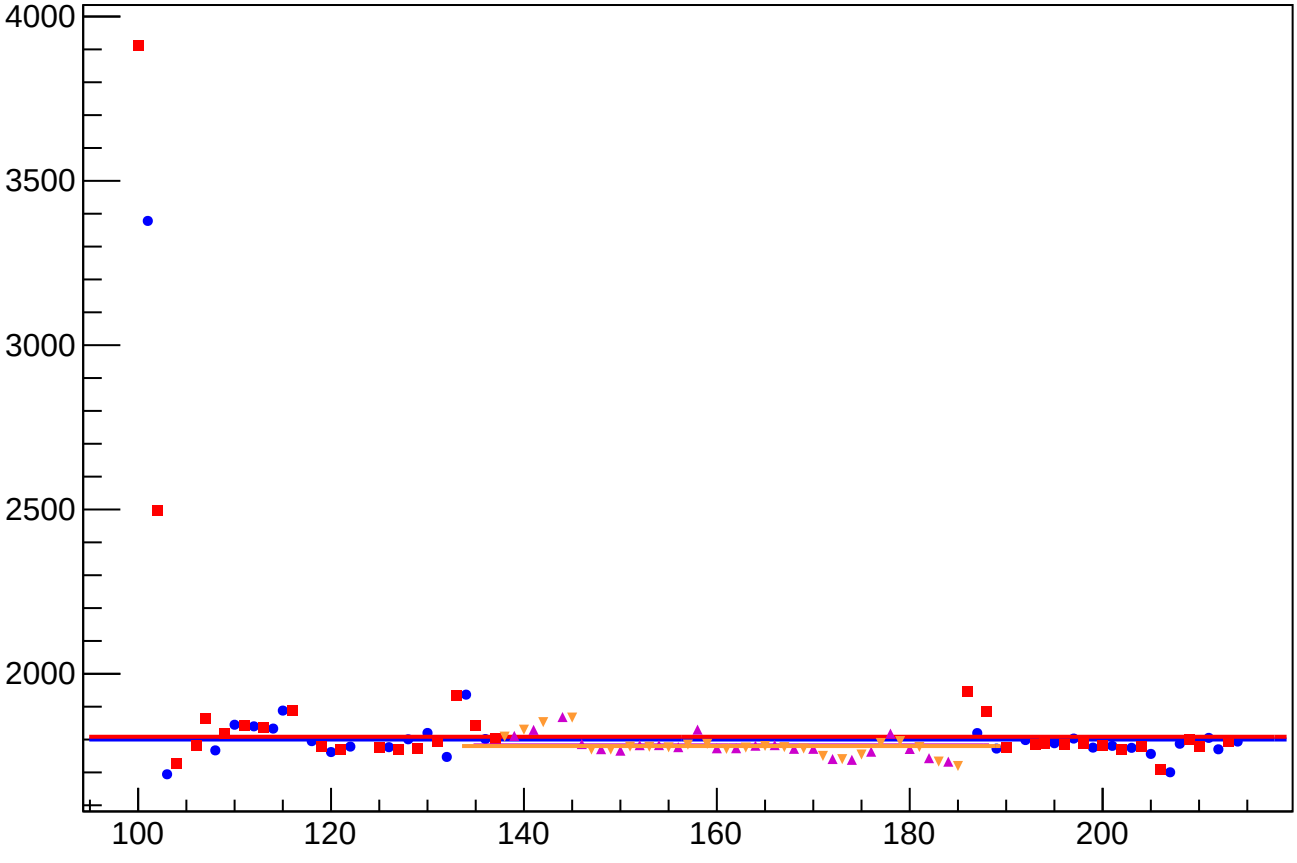
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -726.218+/-295.357 χ^2/NDF: 44.8/53

All: -257.835+/-209.189 χ^2/NDF: 102.1/108

- sign 213.606+/-296.320 χ^2/NDF: 52.2/54

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1800.094+/-0.299 χ^2/NDF: 307034.1/29

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

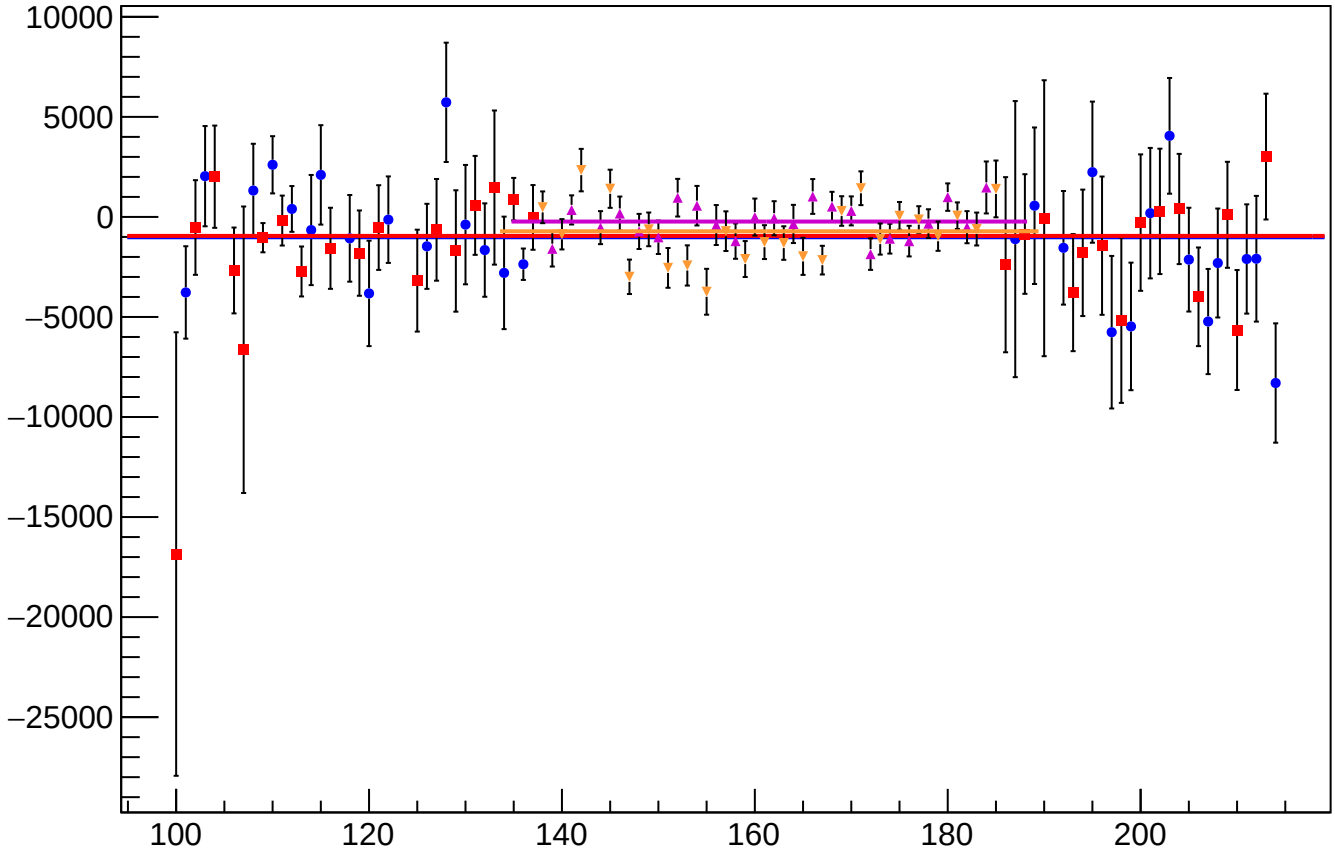
Right Out: 1808.486+/-0.298 χ^2/NDF: 149787.3/31

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.941+/-0.209 χ^2/NDF: 319676.9/53

All: 1792.568+/-0.148 χ^2/NDF: 484918.4/108

- sign 1795.212+/-0.210 χ^2/NDF: 164924.0/54



Right In: -1015.786+/-392.922 χ^2/NDF: 40.4/29

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

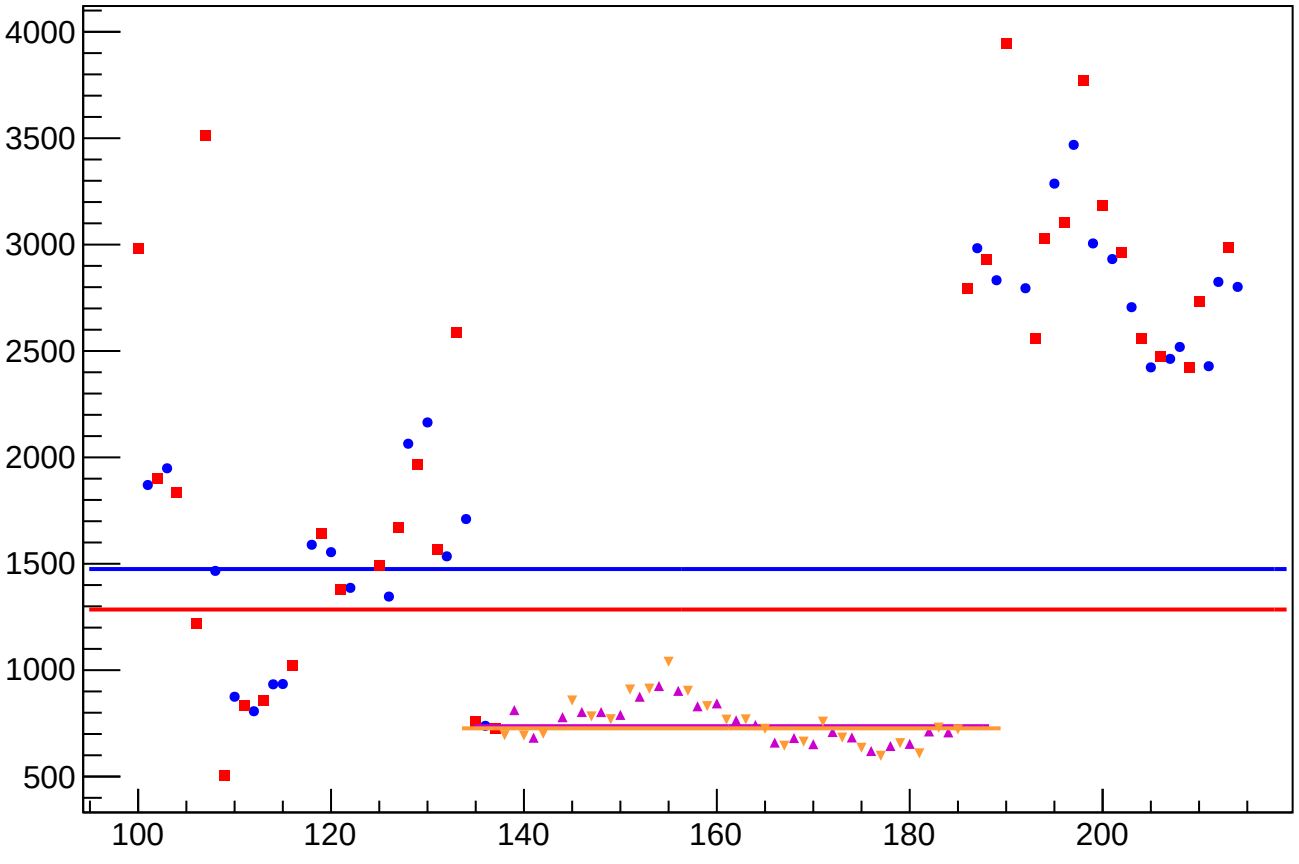
Right Out: -948.430+/-359.846 χ^2/NDF: 20.7/31

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -764.057+/-156.488 χ^2/NDF: 100.2/53

All: -564.957+/-110.565 χ^2/NDF: 151.5/108

- sign -366.498+/-156.236 χ^2/NDF: 48.0/54



Right In: 1475.217+/-0.278 χ^2/NDF: 8236707.9/29

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1285.017+/-0.254 χ^2/NDF: 11403808.8/31

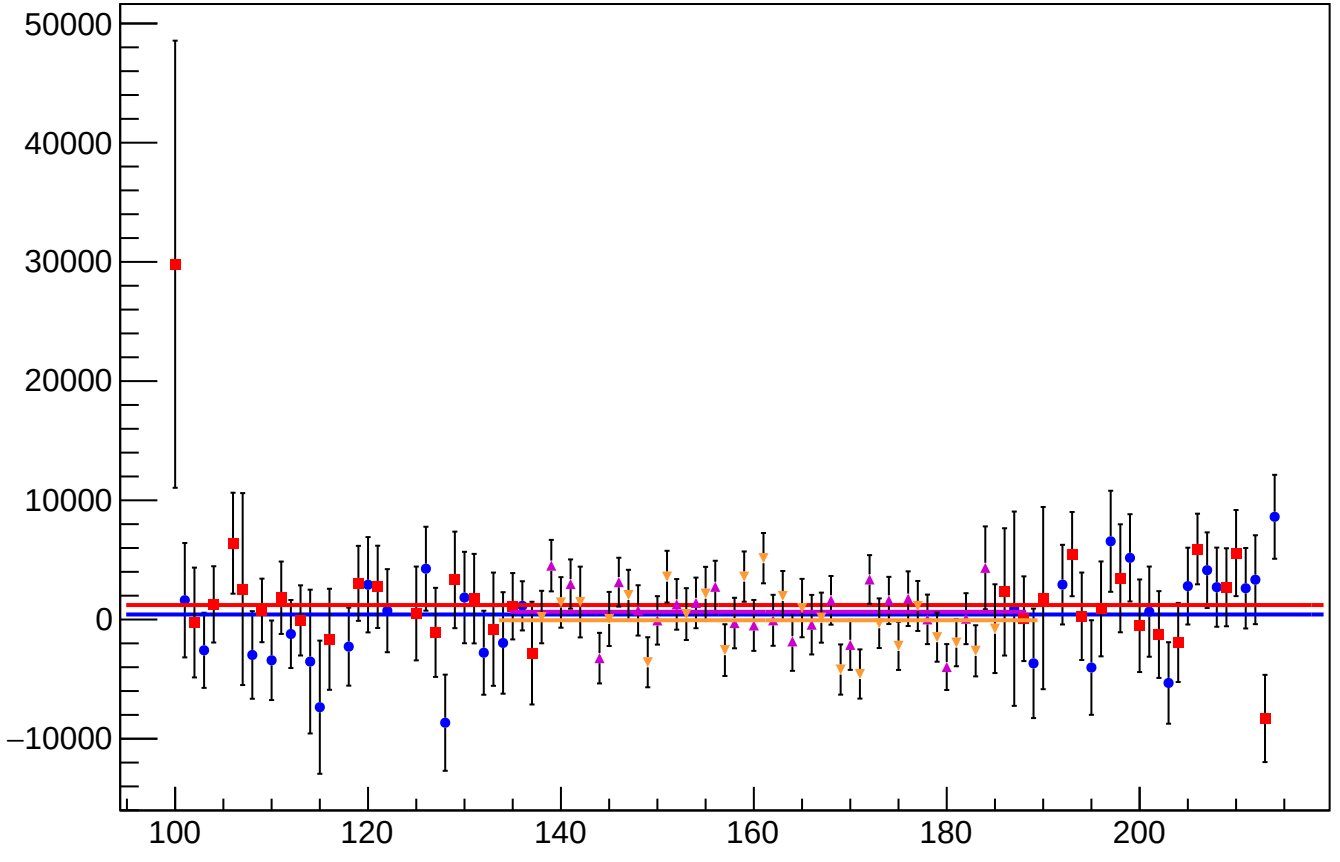
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 845.348+/-0.111 χ^2/NDF: 15029848.9/53

All: 842.704+/-0.078 χ^2/NDF: 30668022.9/10

- sign 840.069+/-0.110 χ^2/NDF: 15637034.1/54

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 422.642+/-654.039 χ^2/NDF: 32.7/29

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1214.874+/-658.138 χ^2/NDF: 21.4/31

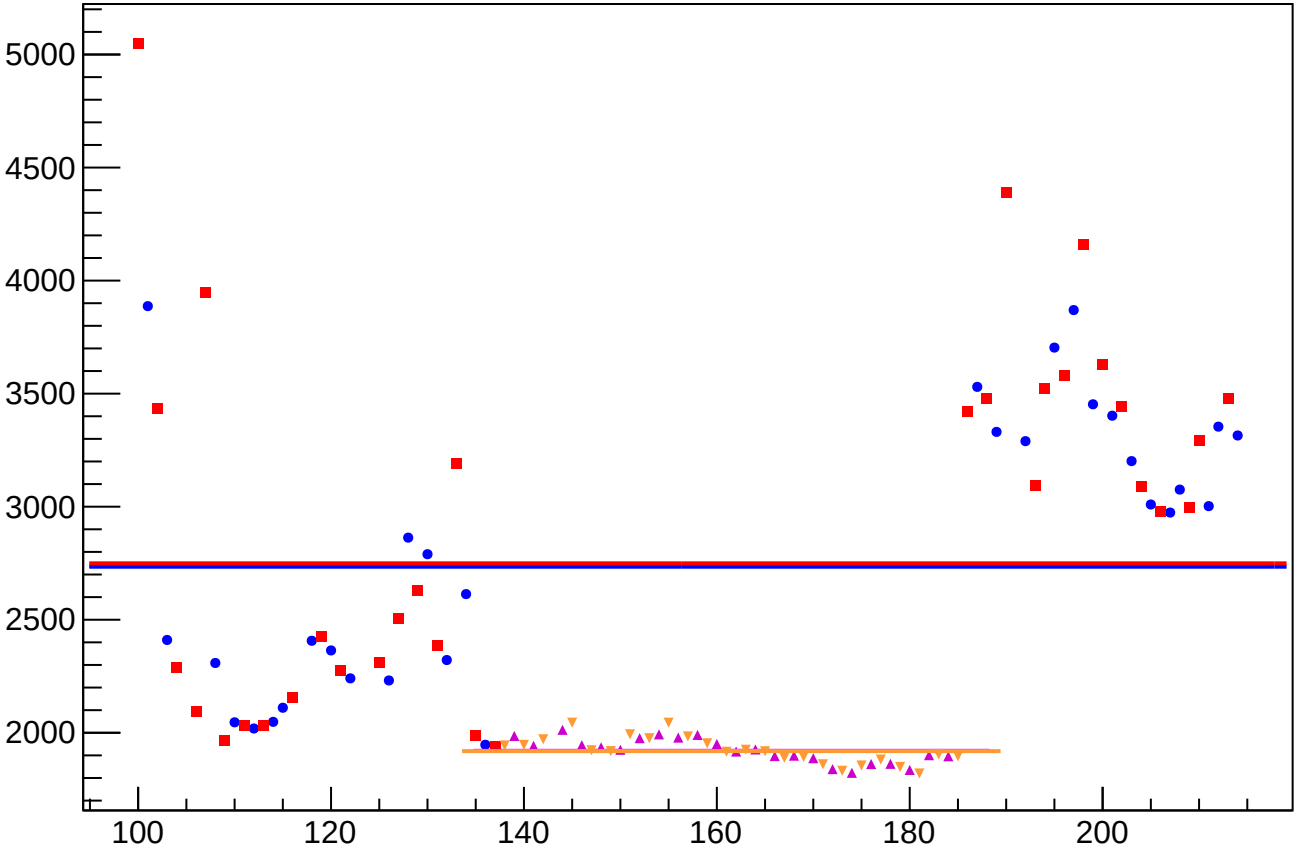
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 93.290+/-368.255 χ^2/NDF: 66.0/53

All: 457.795+/-261.237 χ^2/NDF: 113.6/108

- sign 827.047+/-370.645 χ^2/NDF: 45.6/54

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2734.582+/-0.462 χ^2/NDF: 1583367.7/29

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

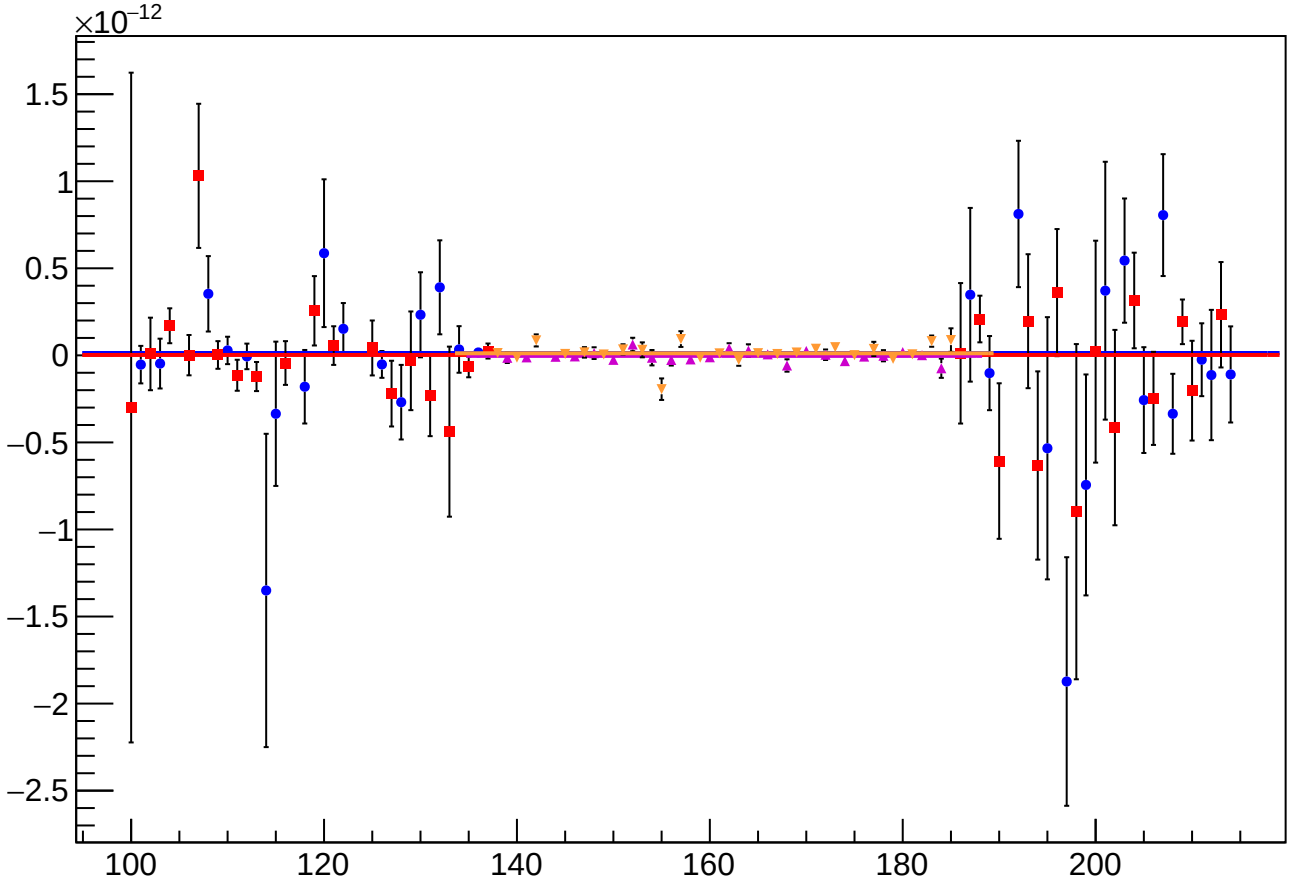
Right Out: 2749.454+/-0.465 χ^2/NDF: 1943340.0/31

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2177.543+/-0.260 χ^2/NDF: 3743122.9/53

All: 2180.363+/-0.185 χ^2/NDF: 7884698.4/10

- sign 2183.220+/-0.262 χ^2/NDF: 4141339.3/54



Right In: 0.000+/-0.000 χ^2/NDF: 39.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

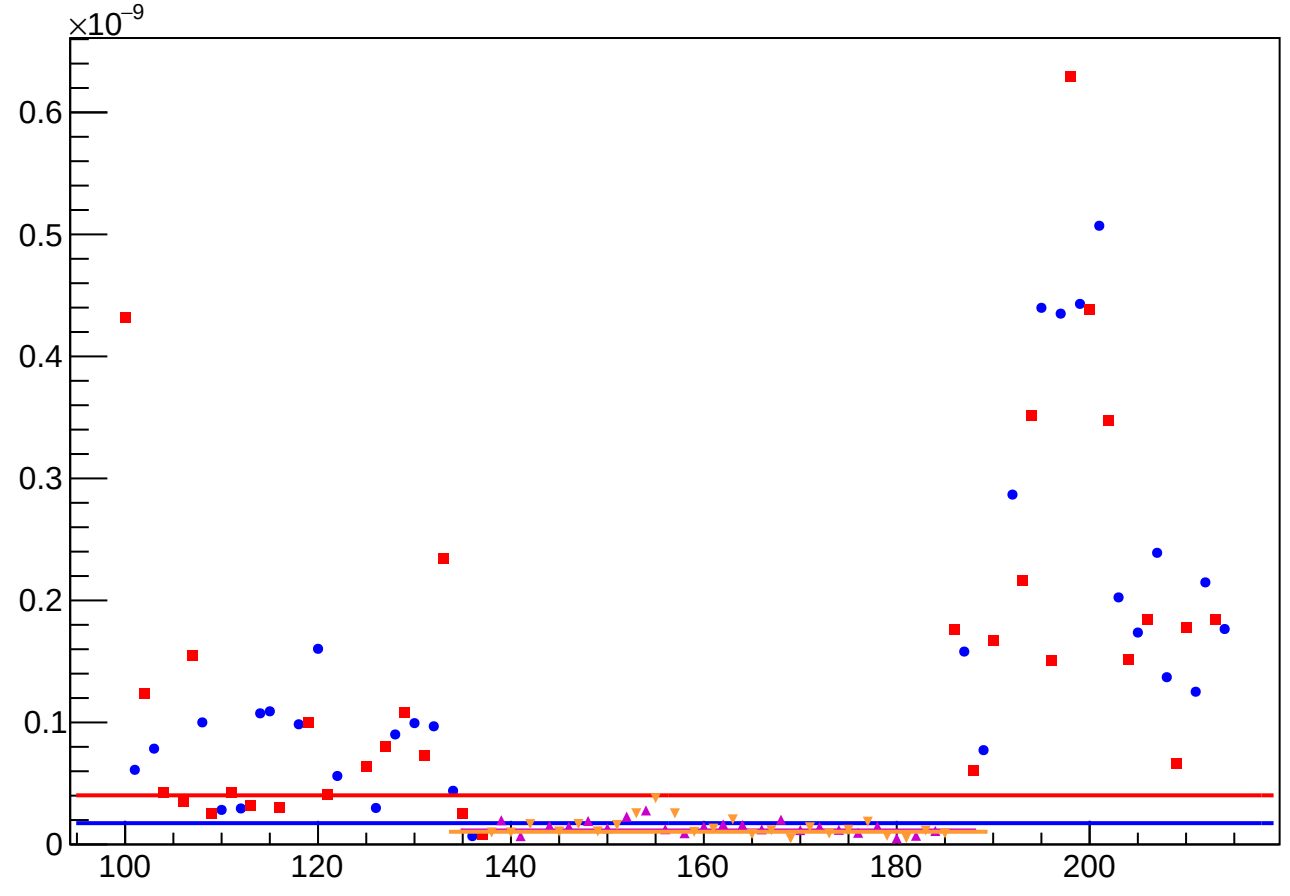
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/31

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.4/53

All: 0.000+/-0.000 χ^2/NDF: 135.5/108

- sign -0.000+/-0.000 χ^2/NDF: 53.1/54



Right In: 0.000+/-0.000 χ^2/NDF: 11961766.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

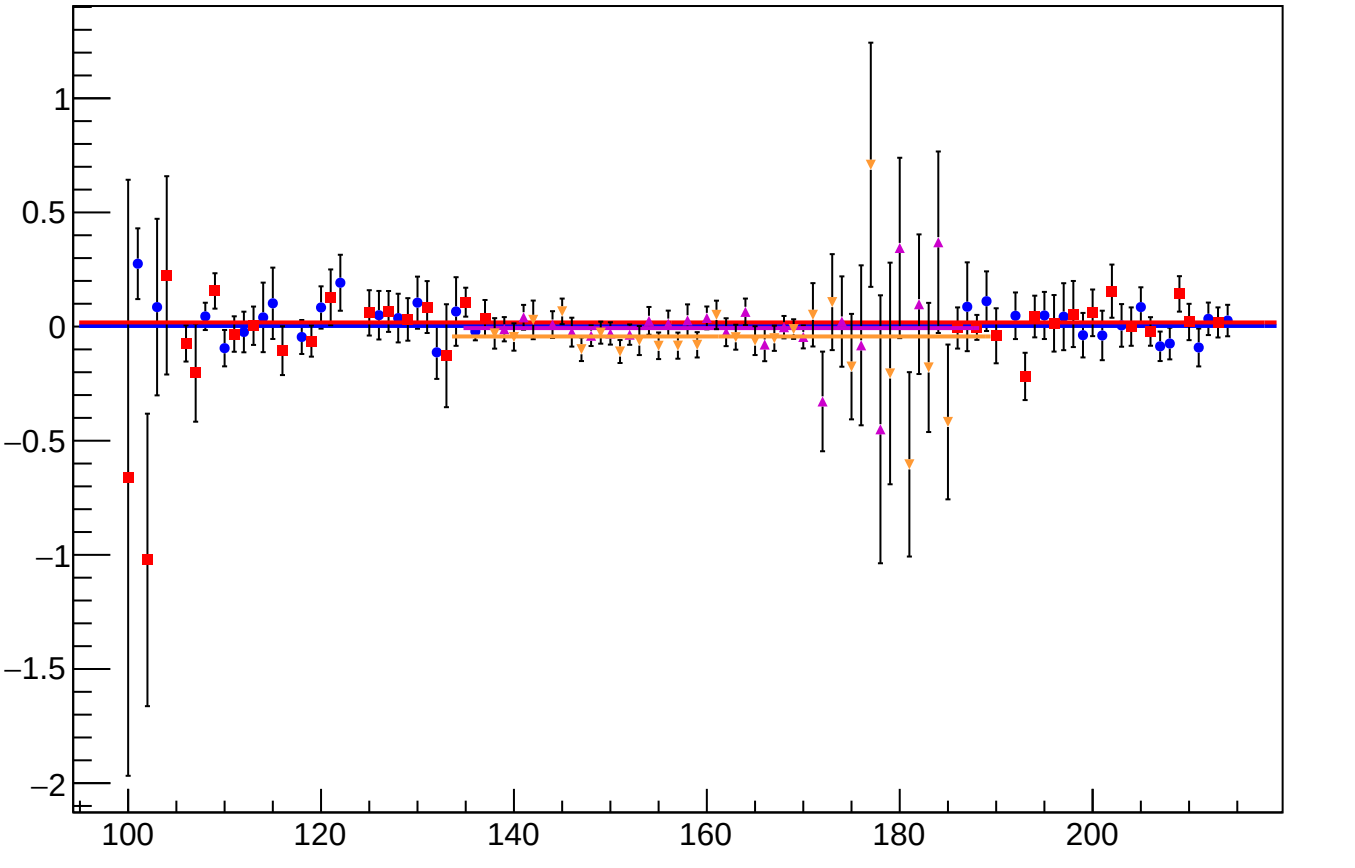
Right Out: 0.000+/-0.000 χ^2/NDF: 8412981.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14502581.2/53

All: 0.000+/-0.000 χ^2/NDF: 27979730.8/108

- sign 0.000+/-0.000 χ^2/NDF: 13352635.0/54



Right In: 0.003+/-0.016 χ^2/NDF: 19.2/29

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

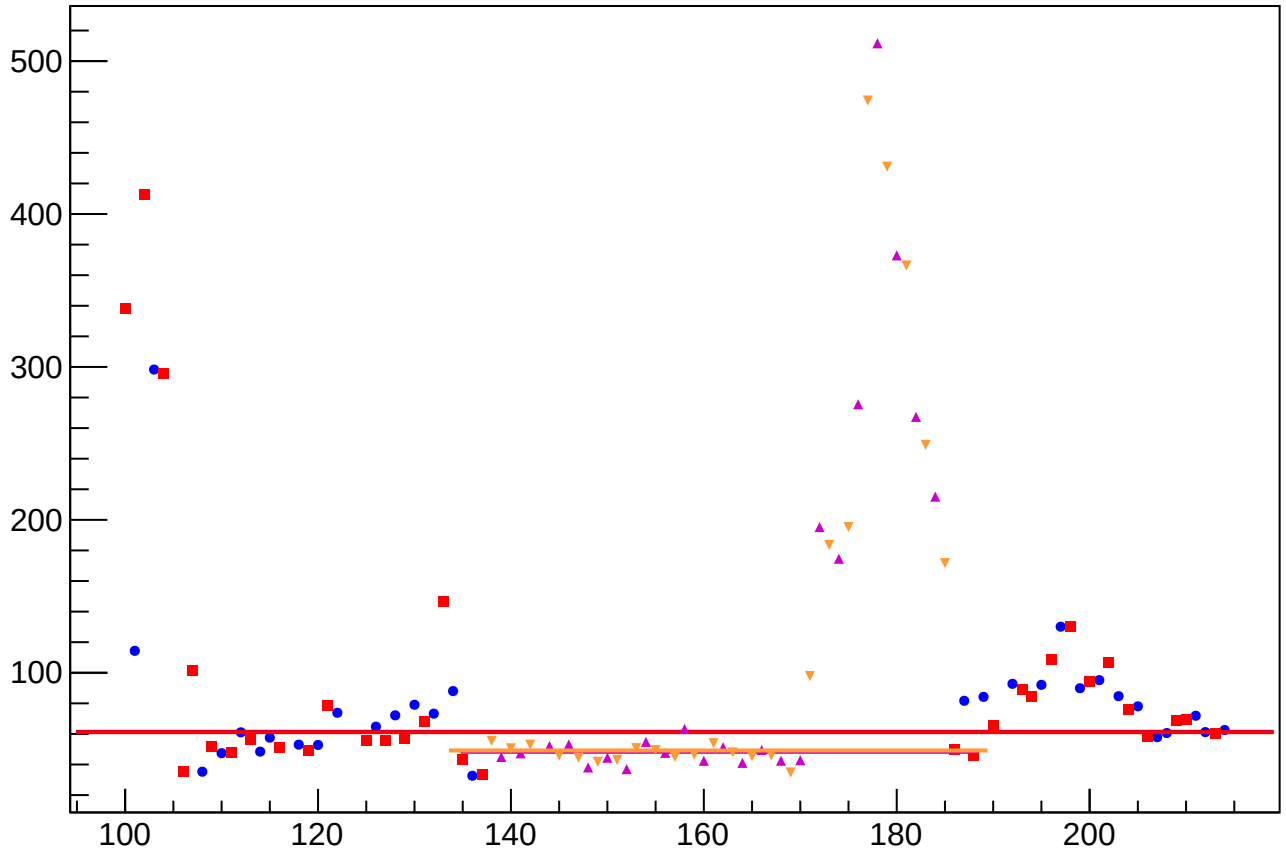
Right Out: 0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 42.7/53

All: -0.010+/-0.007 χ^2/NDF: 85.2/108

- sign 0.004+/-0.010 χ^2/NDF: 39.1/54



Right In: 61.387+/-0.011 χ^2/NDF: 4239840.6/29

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

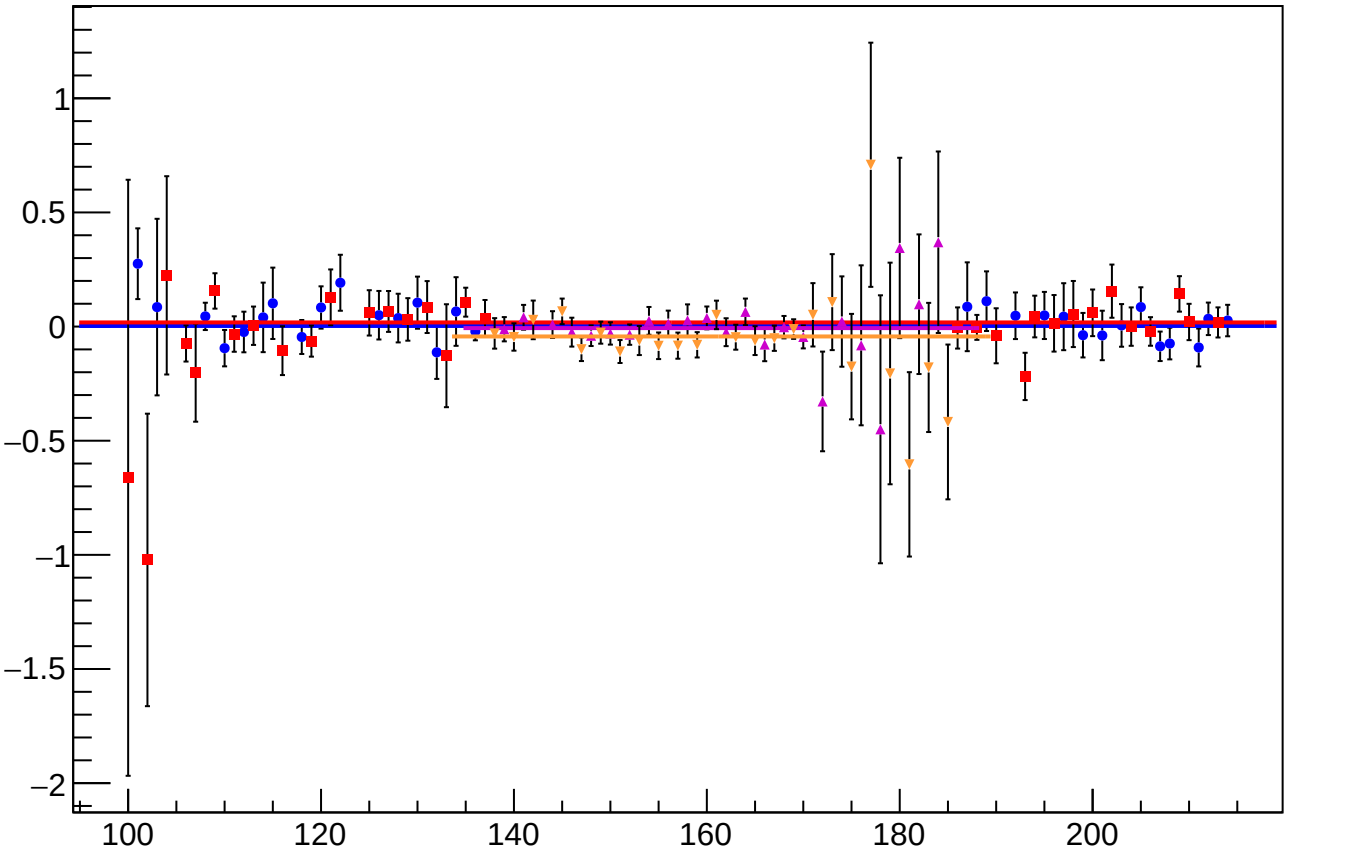
Right Out: 61.153+/-0.011 χ^2/NDF: 4318413.0/31

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.390+/-0.007 χ^2/NDF: 12147738.8/53

All: 53.994+/-0.005 χ^2/NDF: 24257560.2/108

- sign 53.610+/-0.007 χ^2/NDF: 12104250.8/54



Right In: 0.003+/-0.016 χ^2/NDF: 19.2/29

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

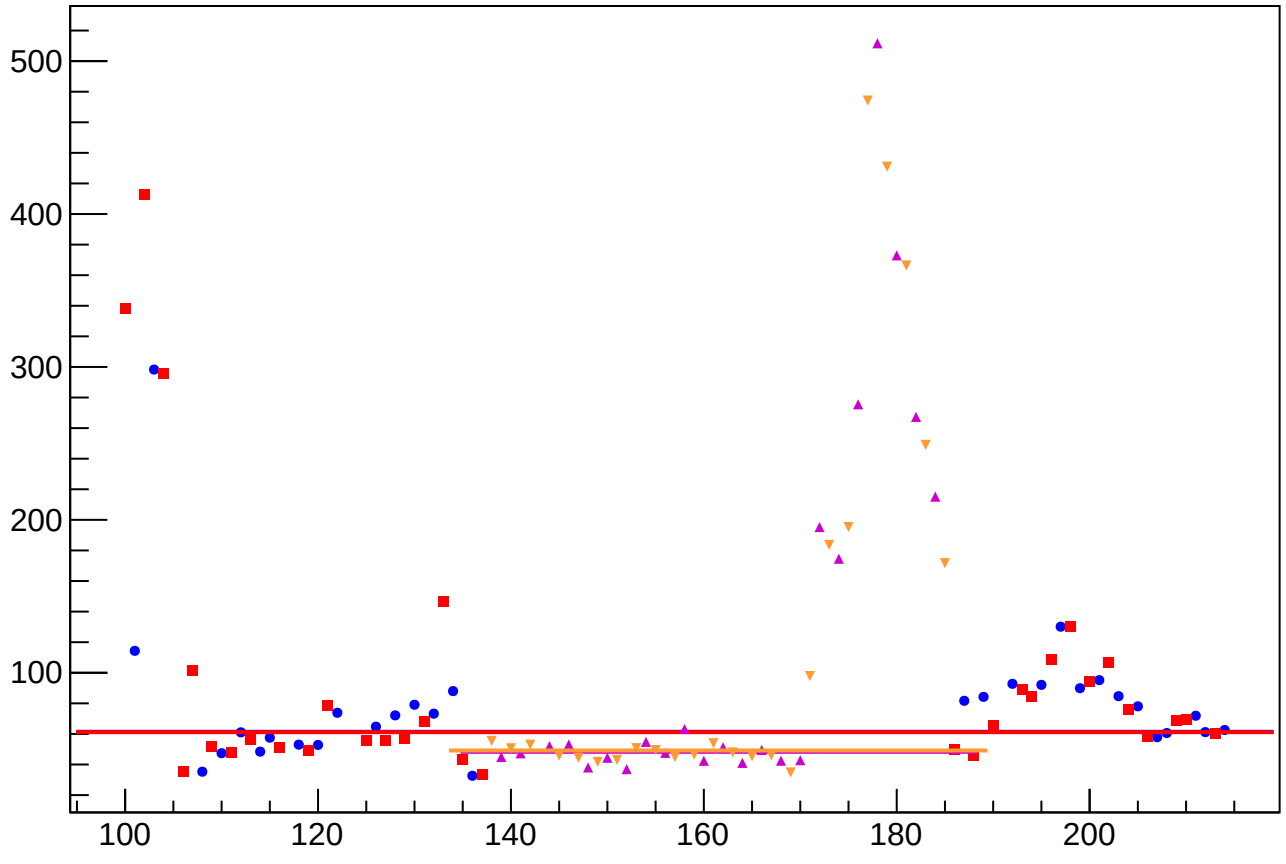
Right Out: 0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 42.7/53

All: -0.010+/-0.007 χ^2/NDF: 85.2/108

- sign 0.004+/-0.010 χ^2/NDF: 39.1/54



Right In: 61.387+/-0.011 χ^2/NDF: 4239840.6/29

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

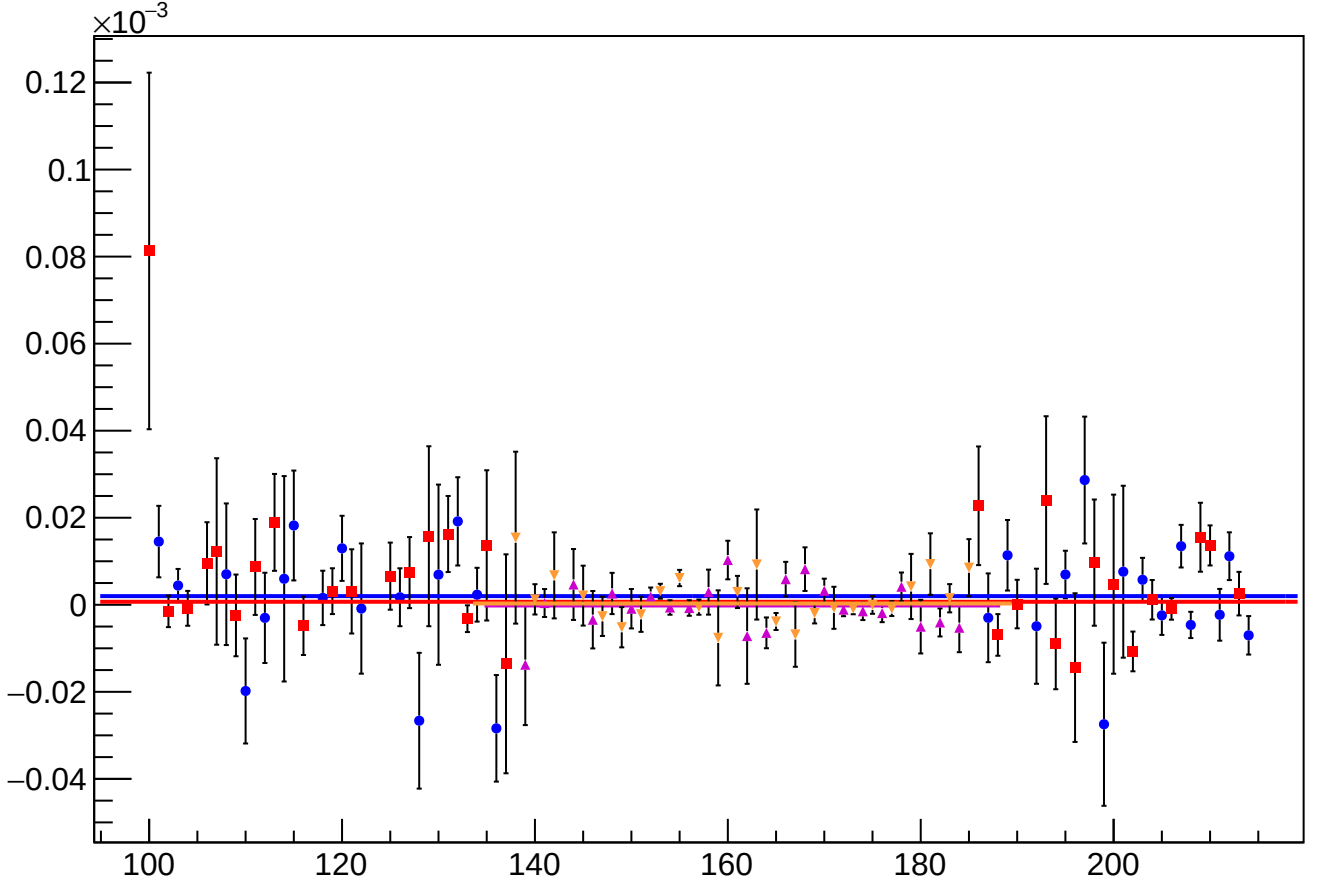
Right Out: 61.153+/-0.011 χ^2/NDF: 4318413.0/31

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.390+/-0.007 χ^2/NDF: 12147738.8/53

All: 53.994+/-0.005 χ^2/NDF: 24257560.2/108

- sign 53.610+/-0.007 χ^2/NDF: 12104250.8/54



Right In: 0.000+/-0.000 χ^2/NDF: 50.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

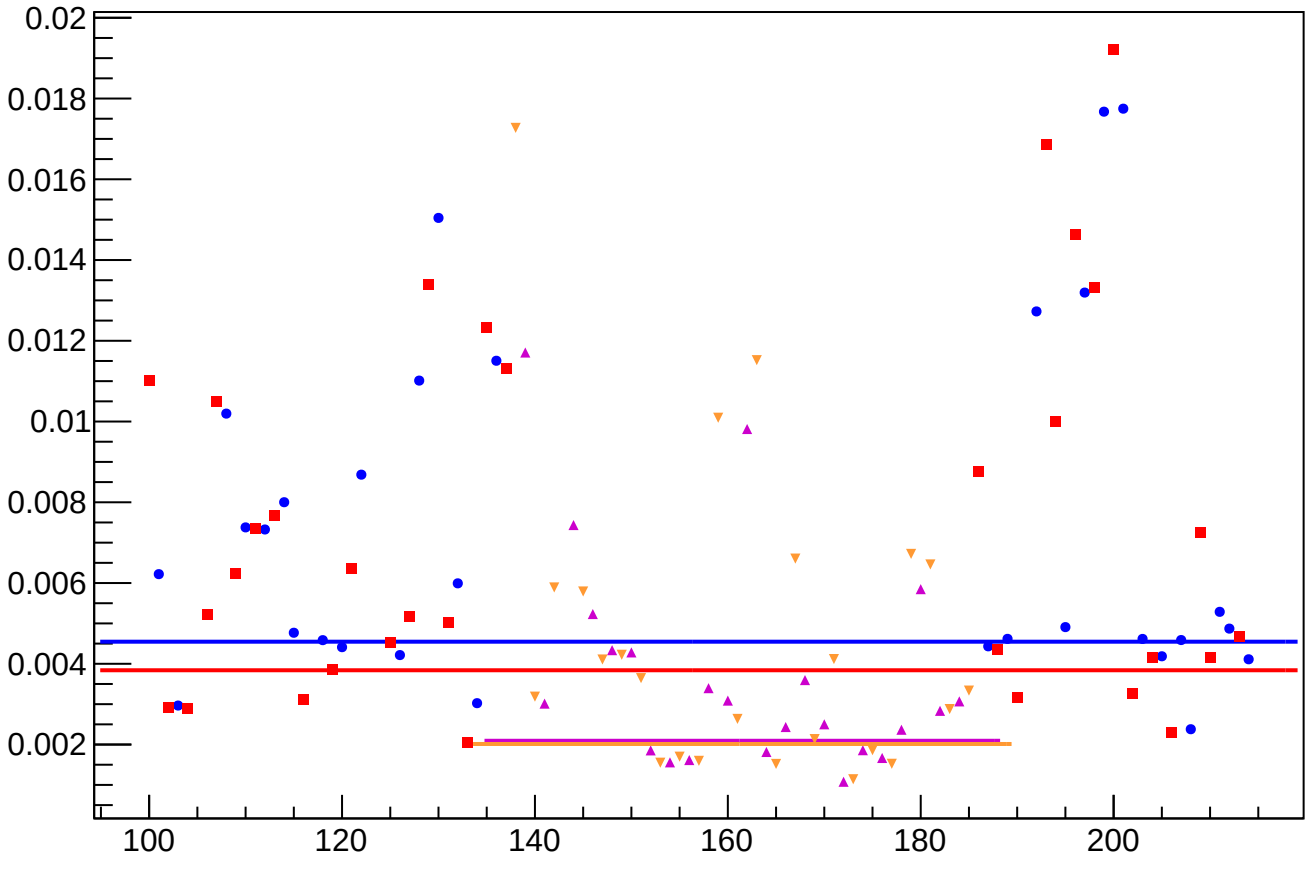
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/31

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.9/53

All: 0.000+/-0.000 χ^2/NDF: 151.4/108

- sign 0.000+/-0.000 χ^2/NDF: 70.0/54



Right In: 0.005+/-0.000 χ^2/NDF: 7246434.4/29

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

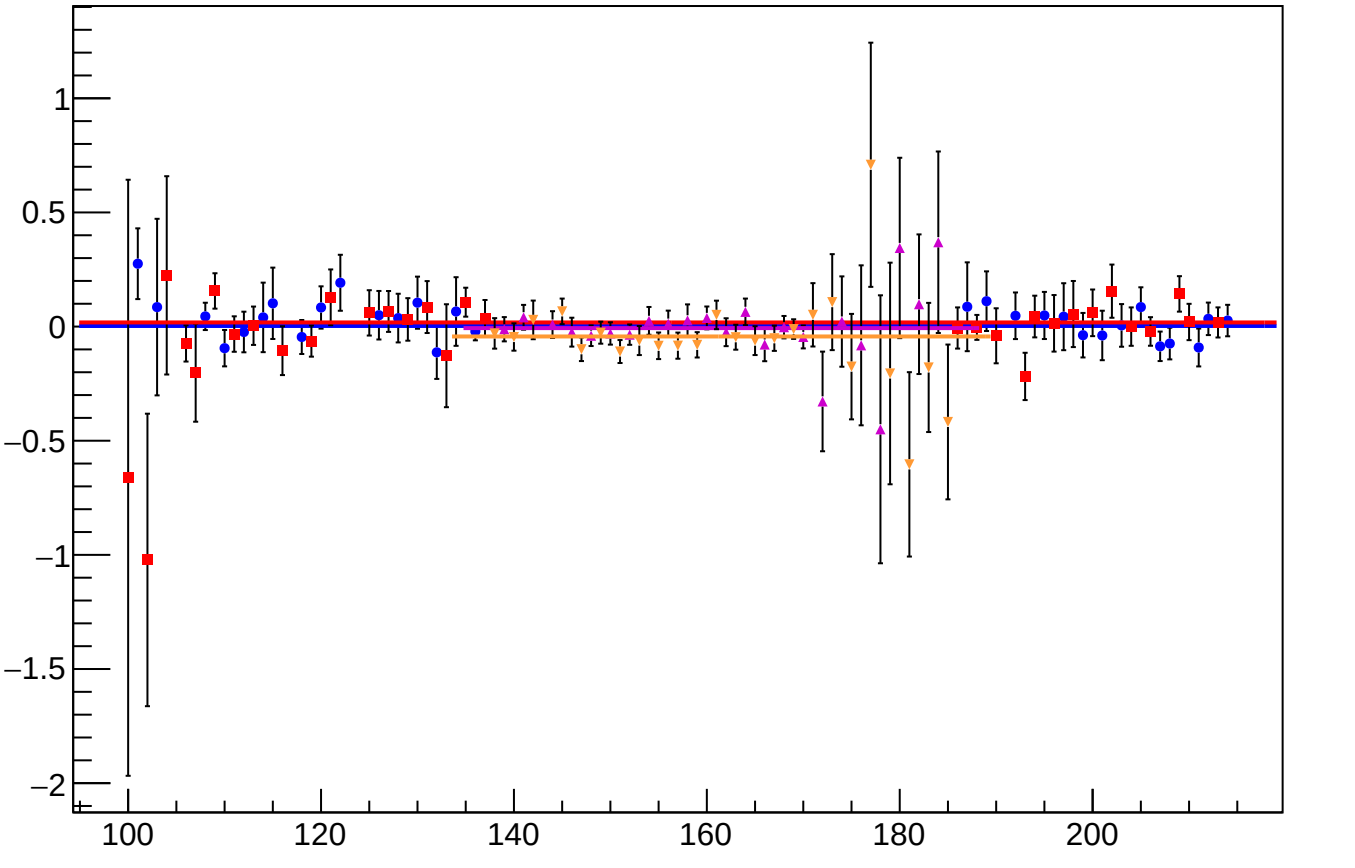
Right Out: 0.004+/-0.000 χ^2/NDF: 9079523.6/31

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 24491025.7/53

All: 0.002+/-0.000 χ^2/NDF: 44755509.1/108

- sign 0.003+/-0.000 χ^2/NDF: 20249556.4/54



Right In: 0.003+/-0.016 χ^2/NDF: 19.2/29

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

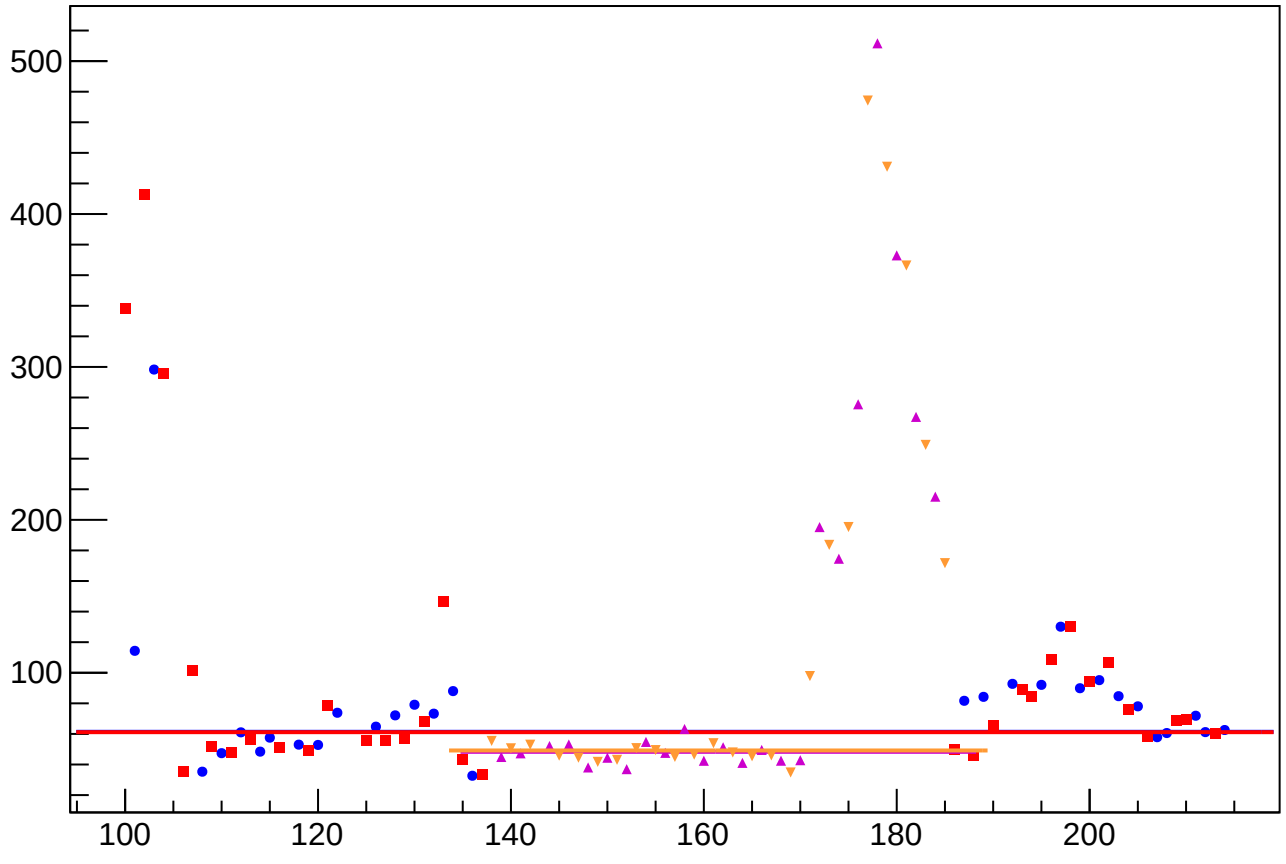
Right Out: 0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 42.7/53

All: -0.010+/-0.007 χ^2/NDF: 85.2/108

- sign 0.004+/-0.010 χ^2/NDF: 39.1/54



Right In: 61.387+/-0.011 χ^2/NDF: 4239688.4/29

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

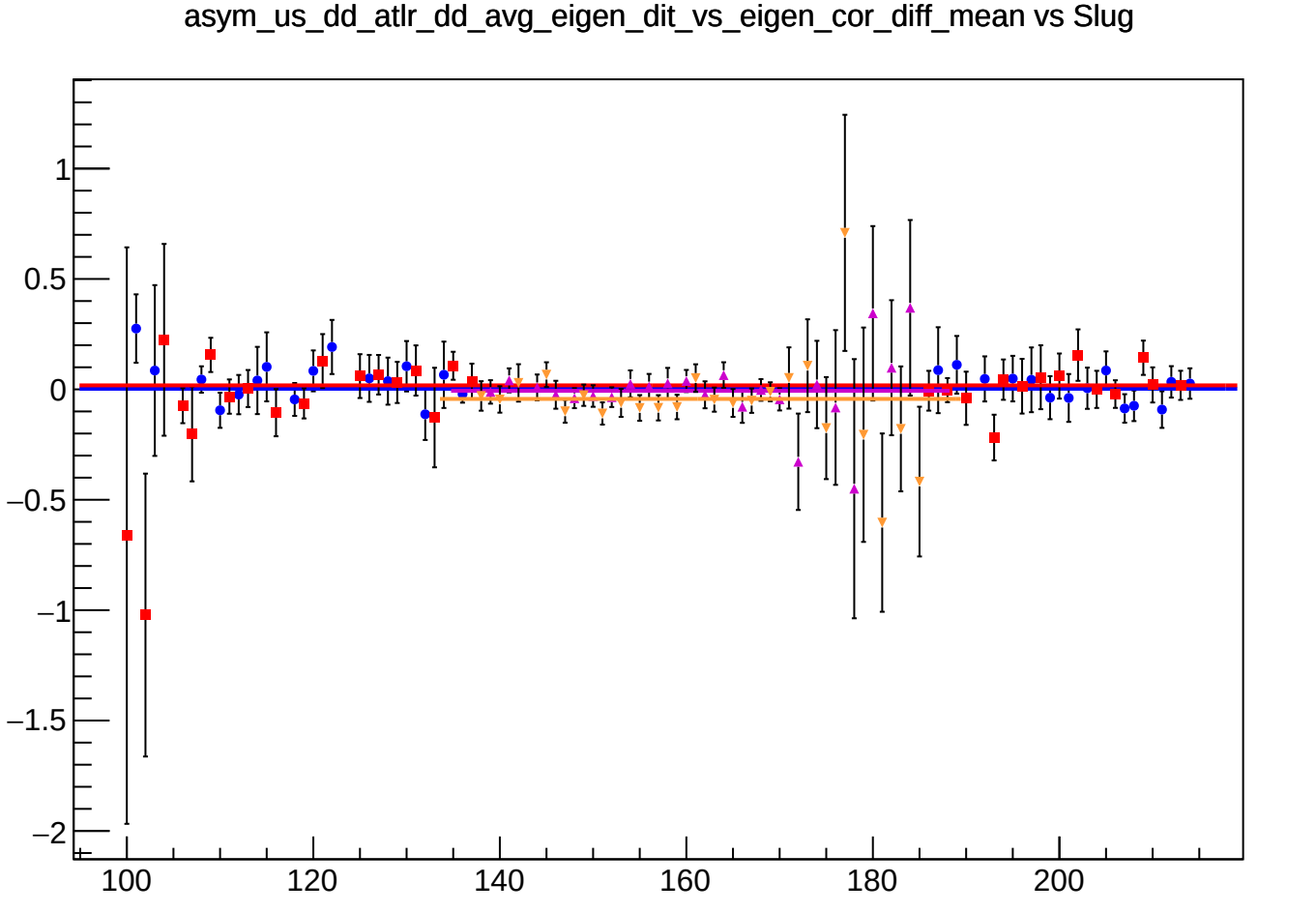
Right Out: 61.154+/-0.011 χ^2/NDF: 4318270.6/31

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.390+/-0.007 χ^2/NDF: 12147654.8/53

All: 53.994+/-0.005 χ^2/NDF: 24257273.4/108

- sign 53.611+/-0.007 χ^2/NDF: 12104055.4/54



Right In: 0.003+/-0.016 χ^2/NDF: 19.2/29

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

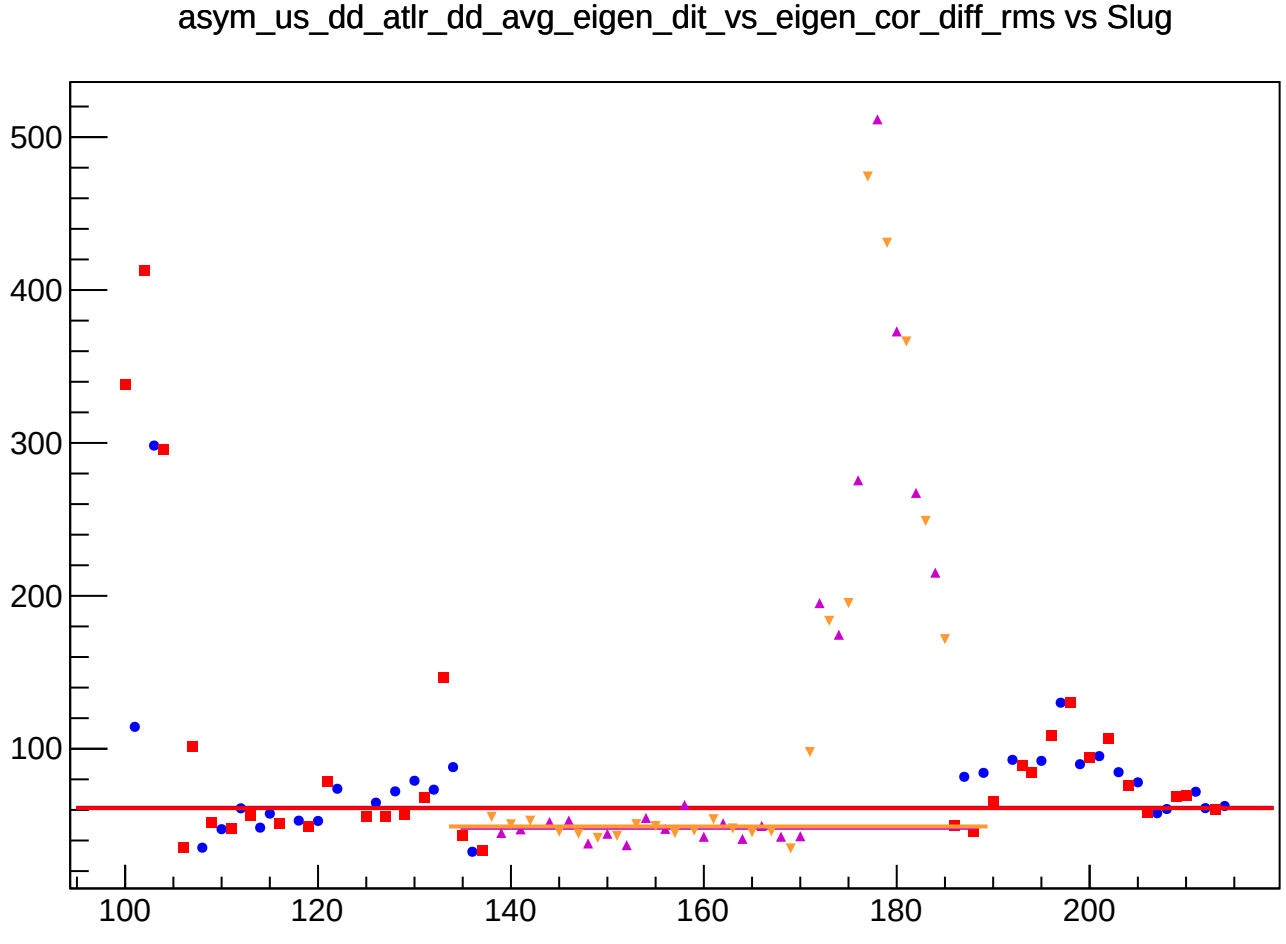
Right Out: 0.018+/-0.016 χ^2/NDF: 26.4/31

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.024+/-0.011 χ^2/NDF: 42.7/53

All: -0.010+/-0.007 χ^2/NDF: 85.2/108

- sign 0.004+/-0.010 χ^2/NDF: 39.1/54



Right In: 61.387+/-0.011 χ^2/NDF: 4239688.4/29

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

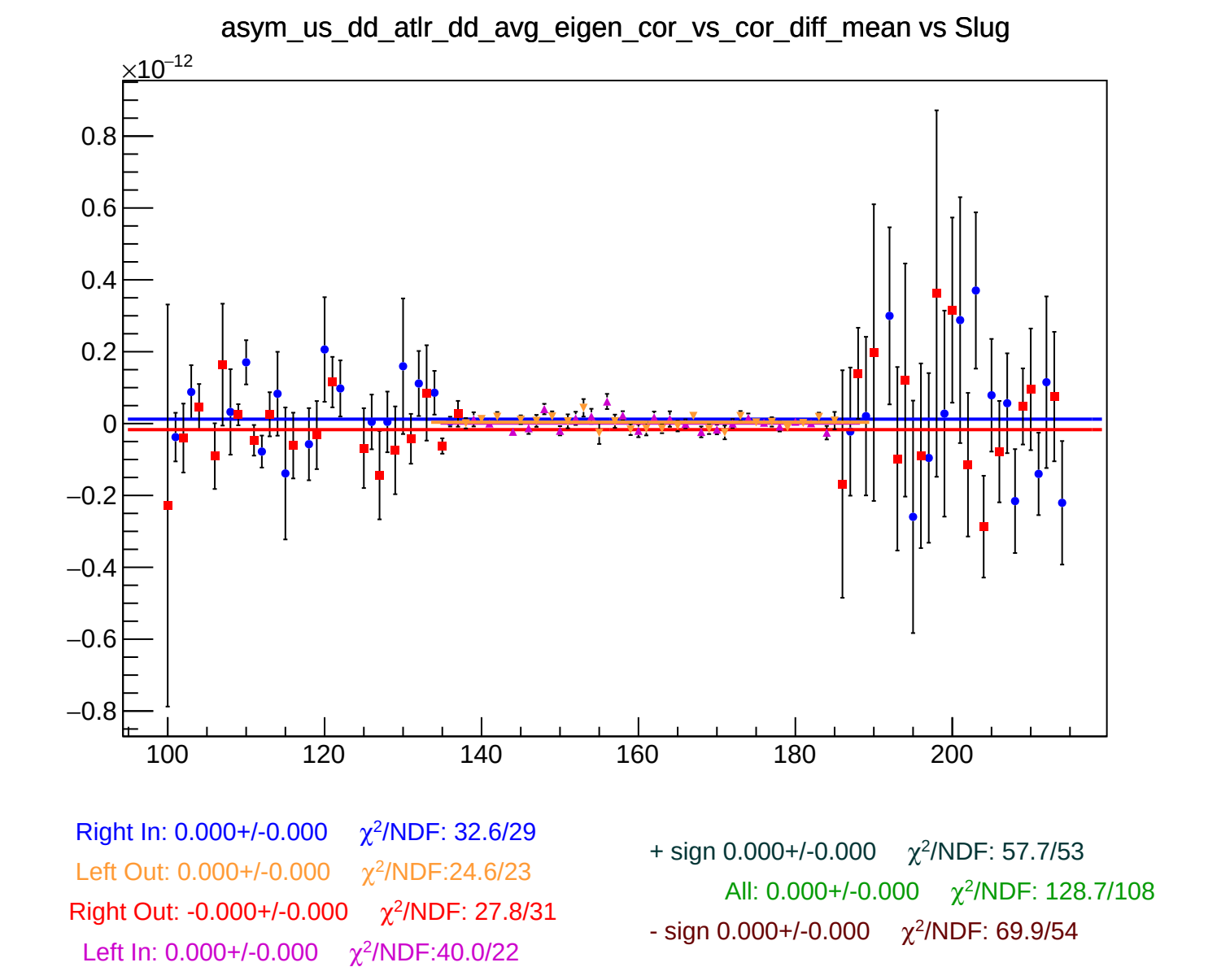
Right Out: 61.154+/-0.011 χ^2/NDF: 4318270.6/31

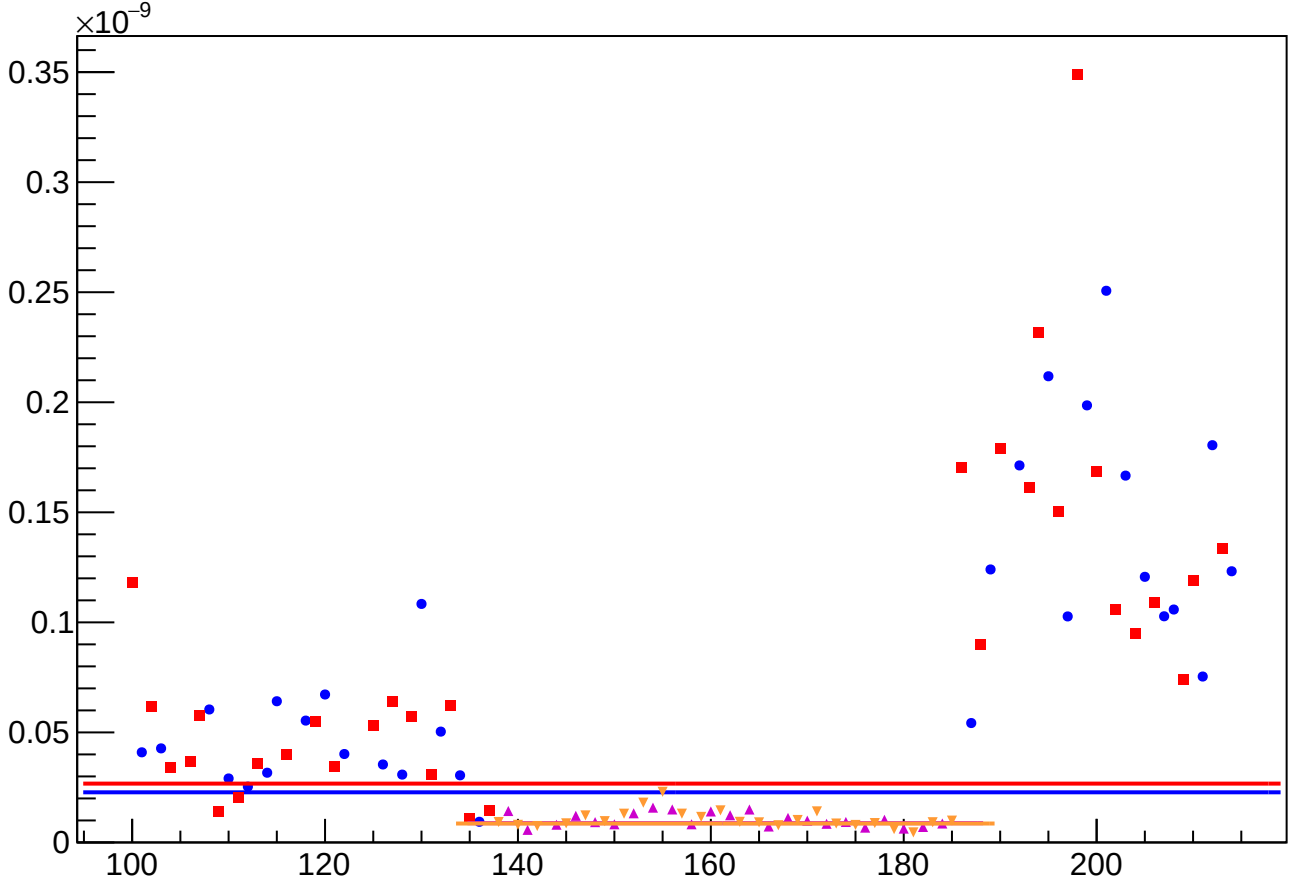
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.390+/-0.007 χ^2/NDF: 12147654.8/53

All: 53.994+/-0.005 χ^2/NDF: 24257273.4/108

- sign 53.611+/-0.007 χ^2/NDF: 12104055.4/54


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.6/29
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/31
Left In: 0.000+/-0.000 χ²/NDF:40.0/22
+ sign 0.000+/-0.000 χ²/NDF: 57.7/53
All: 0.000+/-0.000 χ²/NDF: 128.7/108
- sign 0.000+/-0.000 χ²/NDF: 69.9/54



Right In: 0.000+/-0.000 χ^2/NDF: 12488278.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10573056.5/31

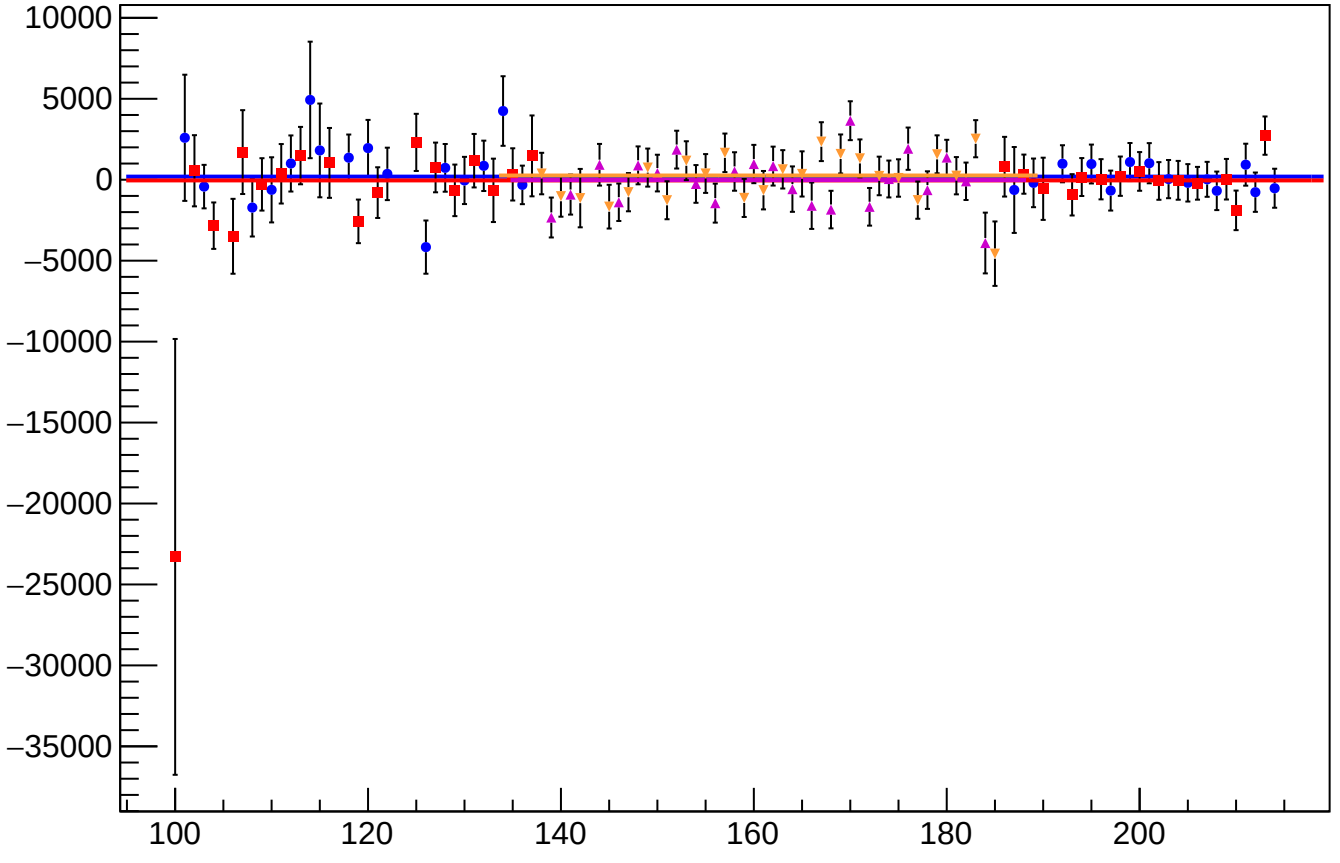
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18107154.6/53

All: 0.000+/-0.000 χ^2/NDF: 34817826.9/108

- sign 0.000+/-0.000 χ^2/NDF: 16703156.0/54

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.888+/-261.617 χ^2/NDF: 21.6/29

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -41.668+/-262.023 χ^2/NDF: 26.6/31

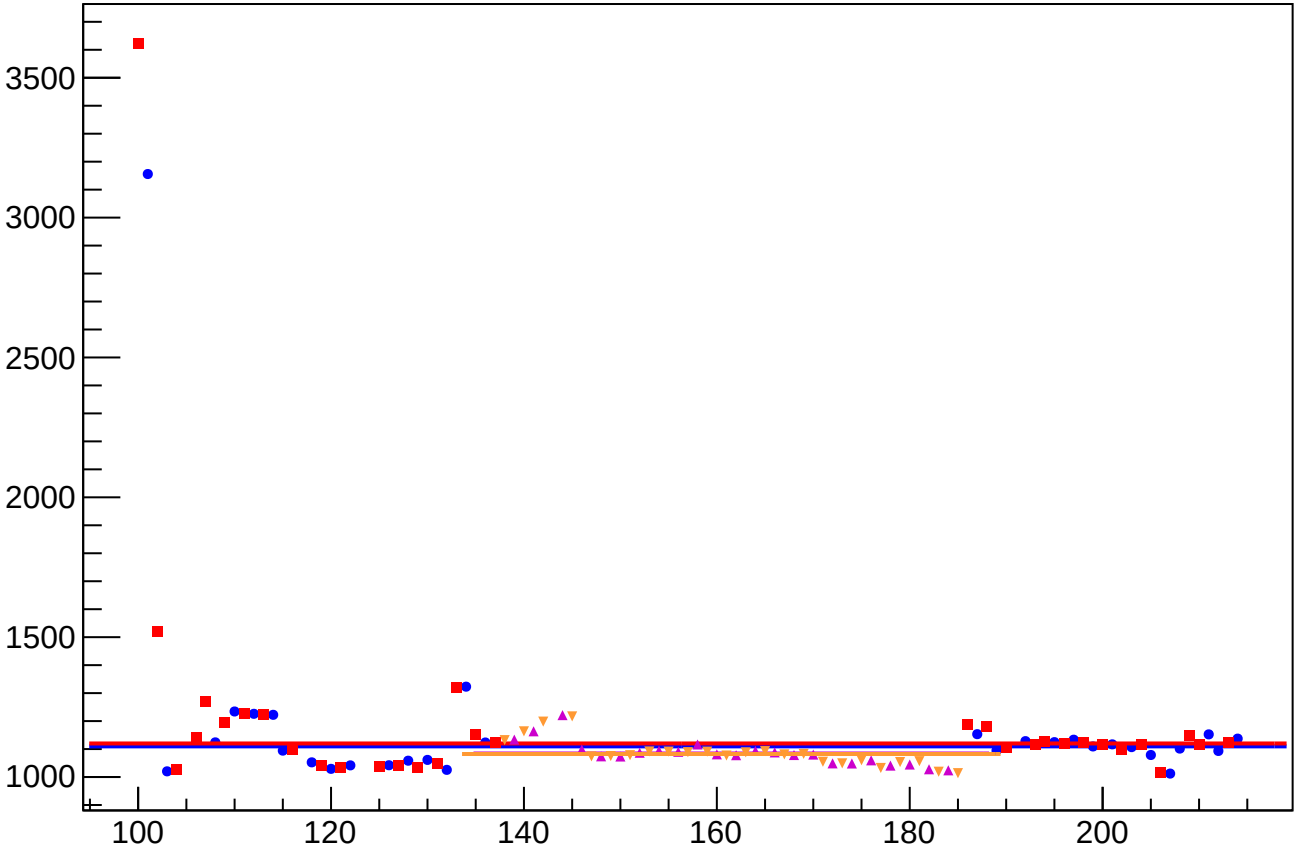
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 227.638+/-181.271 χ^2/NDF: 49.8/53

All: 98.584+/-128.480 χ^2/NDF: 113.2/108

- sign -31.693+/-182.128 χ^2/NDF: 62.4/54

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.602+/-0.185 χ^2/NDF: 647638.4/29

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

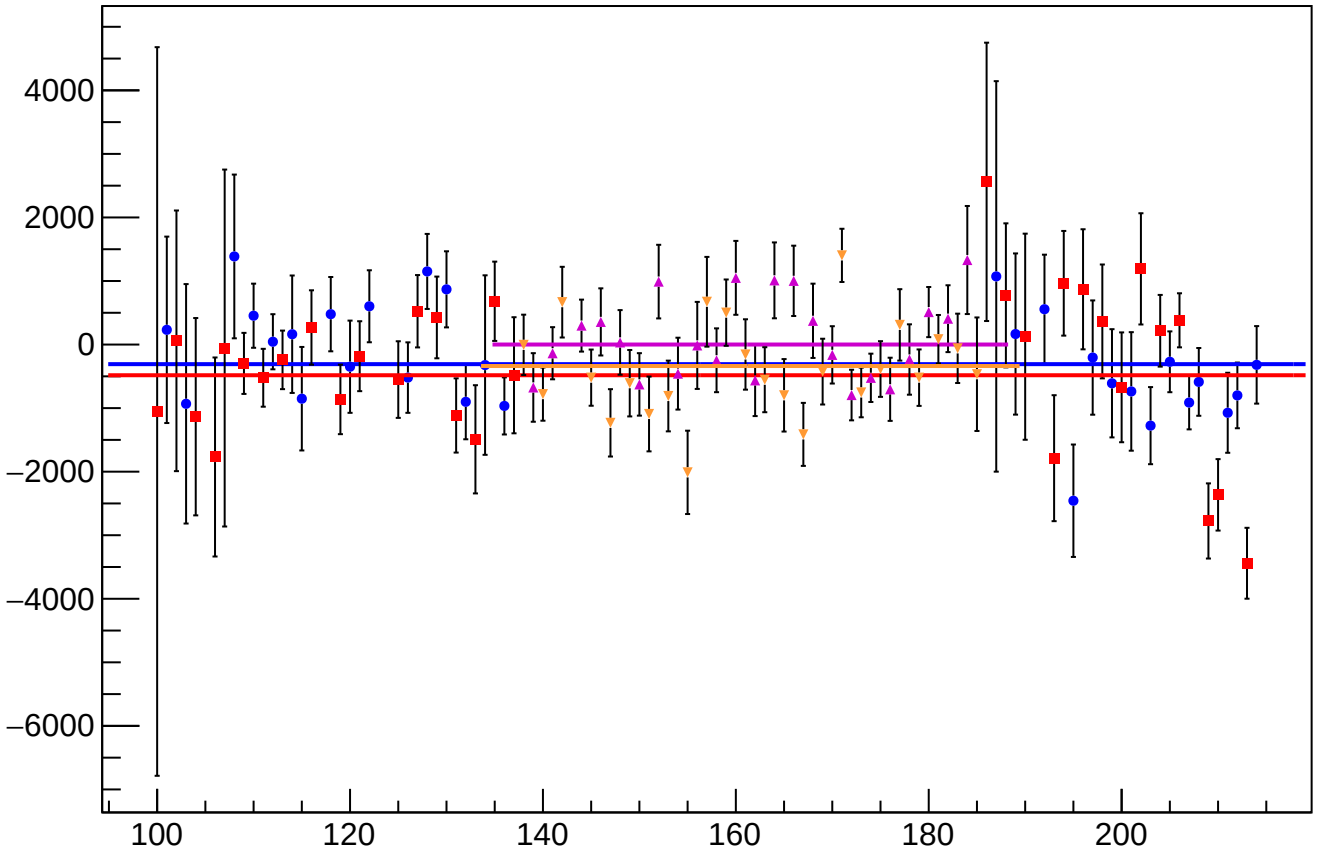
Right Out: 1119.996+/-0.185 χ^2/NDF: 252585.4/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.412+/-0.128 χ^2/NDF: 716829.7/53

All: 1098.430+/-0.091 χ^2/NDF: 1043298.1/10

- sign 1101.477+/-0.129 χ^2/NDF: 325354.0/54



Right In: -308.196+/-118.866 χ^2/NDF: 38.2/29

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

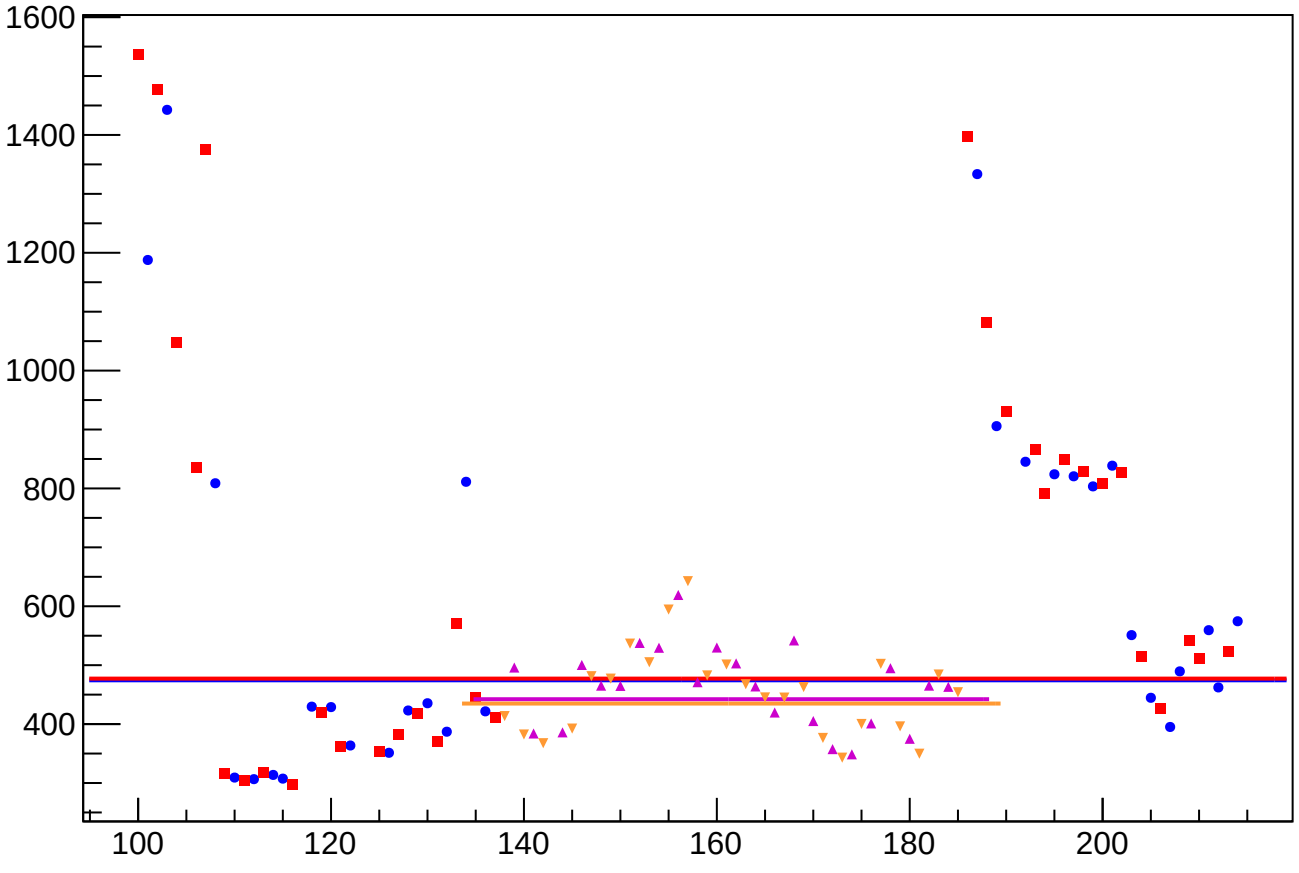
Right Out: -482.742+/-121.472 χ^2/NDF: 89.8/31

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -325.119+/-77.669 χ^2/NDF: 87.0/53

All: -266.582+/-55.495 χ^2/NDF: 218.9/108

- sign -205.530+/-79.321 χ^2/NDF: 130.8/54



Right In: 474.340+/-0.084 χ^2/NDF: 4376330.0/29

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 477.199+/-0.086 χ^2/NDF: 5427980.8/31

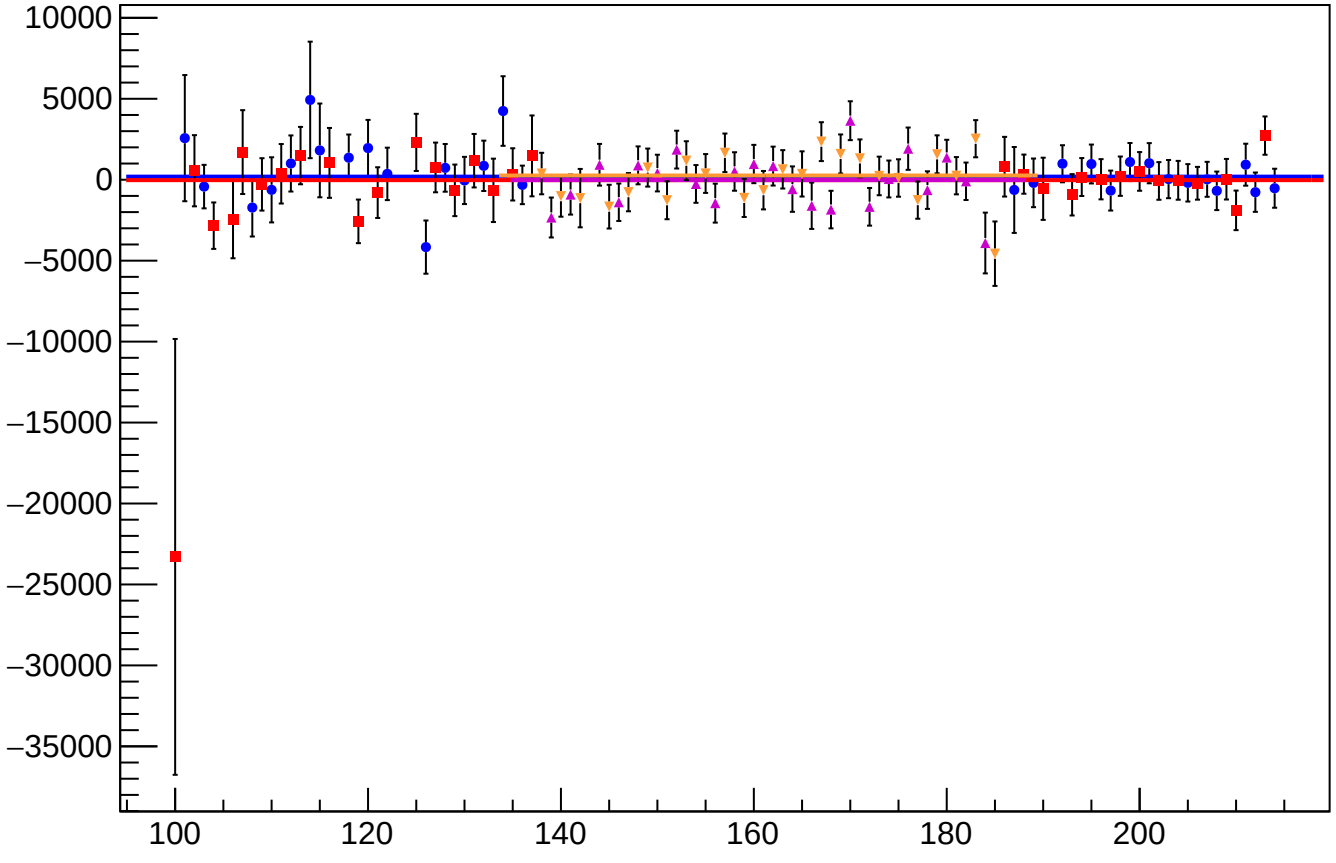
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 451.715+/-0.055 χ^2/NDF: 5381186.9/53

All: 454.365+/-0.039 χ^2/NDF: 11735083.1/10

- sign 457.129+/-0.056 χ^2/NDF: 6349140.3/54

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 191.759+/-261.617 χ^2/NDF: 21.5/29

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -25.771+/-262.153 χ^2/NDF: 25.4/31

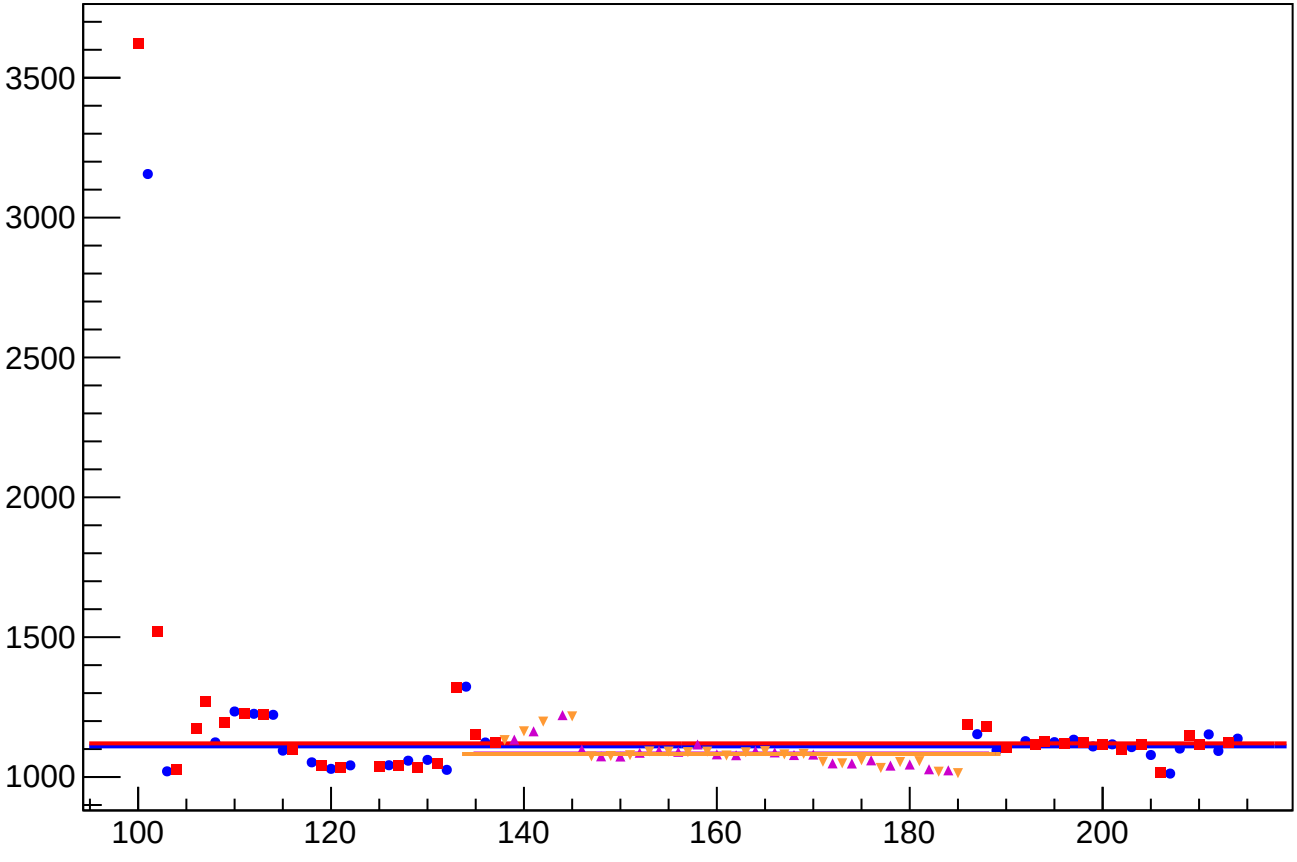
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 227.571+/-181.271 χ^2/NDF: 49.8/53

All: 102.404+/-128.495 χ^2/NDF: 111.9/108

- sign -24.008+/-182.171 χ^2/NDF: 61.2/54

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.602+/-0.185 χ^2/NDF: 647639.4/29

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

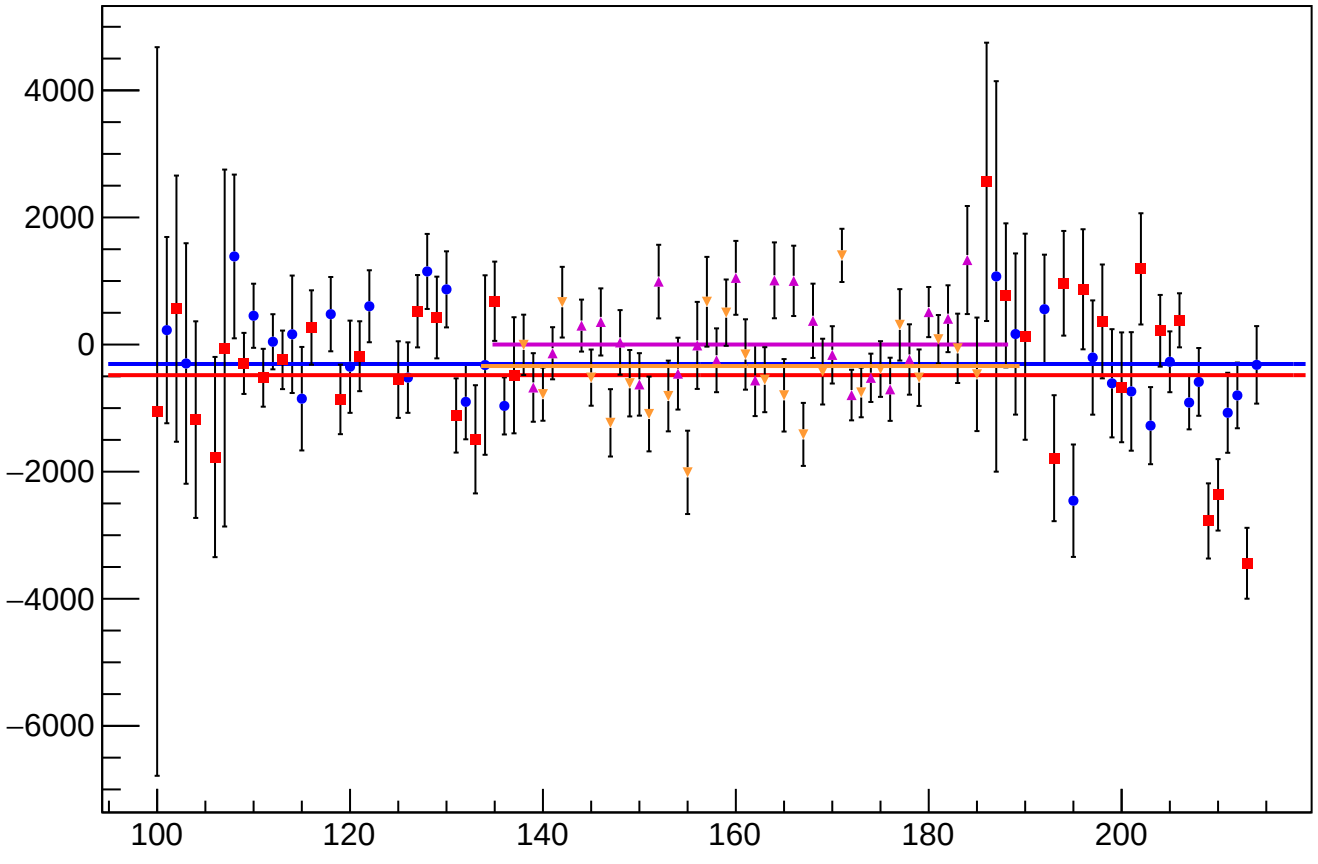
Right Out: 1120.348+/-0.185 χ^2/NDF: 253349.9/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.412+/-0.128 χ^2/NDF: 716830.6/53

All: 1098.509+/-0.091 χ^2/NDF: 1044493.9/10

- sign 1101.638+/-0.129 χ^2/NDF: 326489.3/54



Right In: -305.768+/-118.867 χ^2/NDF: 38.0/29

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -481.380+/-121.483 χ^2/NDF: 90.0/31

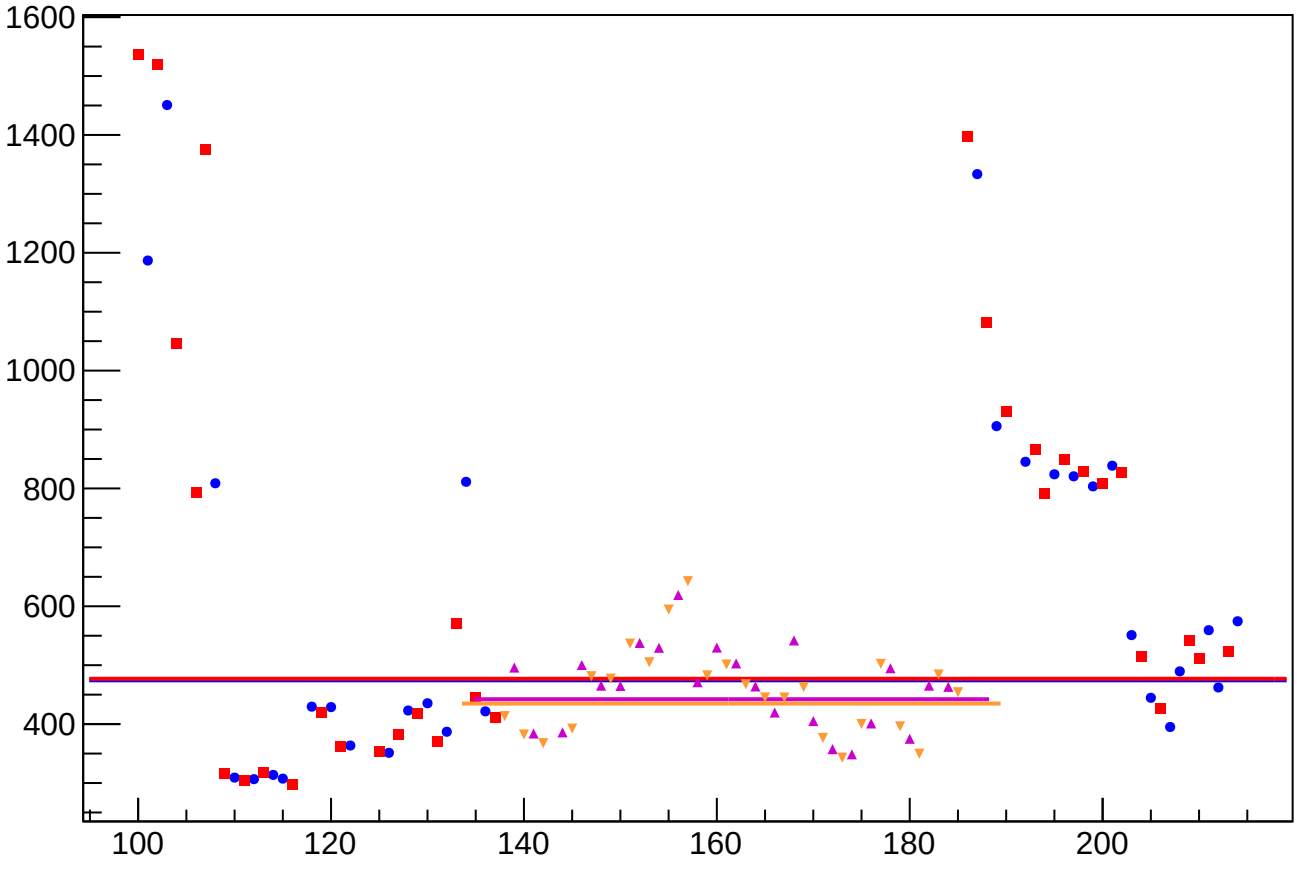
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -324.133+/-77.669 χ^2/NDF: 86.9/53

All: -265.781+/-55.496 χ^2/NDF: 219.0/108

- sign -204.916+/-79.324 χ^2/NDF: 130.9/54

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 474.335+/-0.084 χ^2/NDF: 4380130.2/29

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

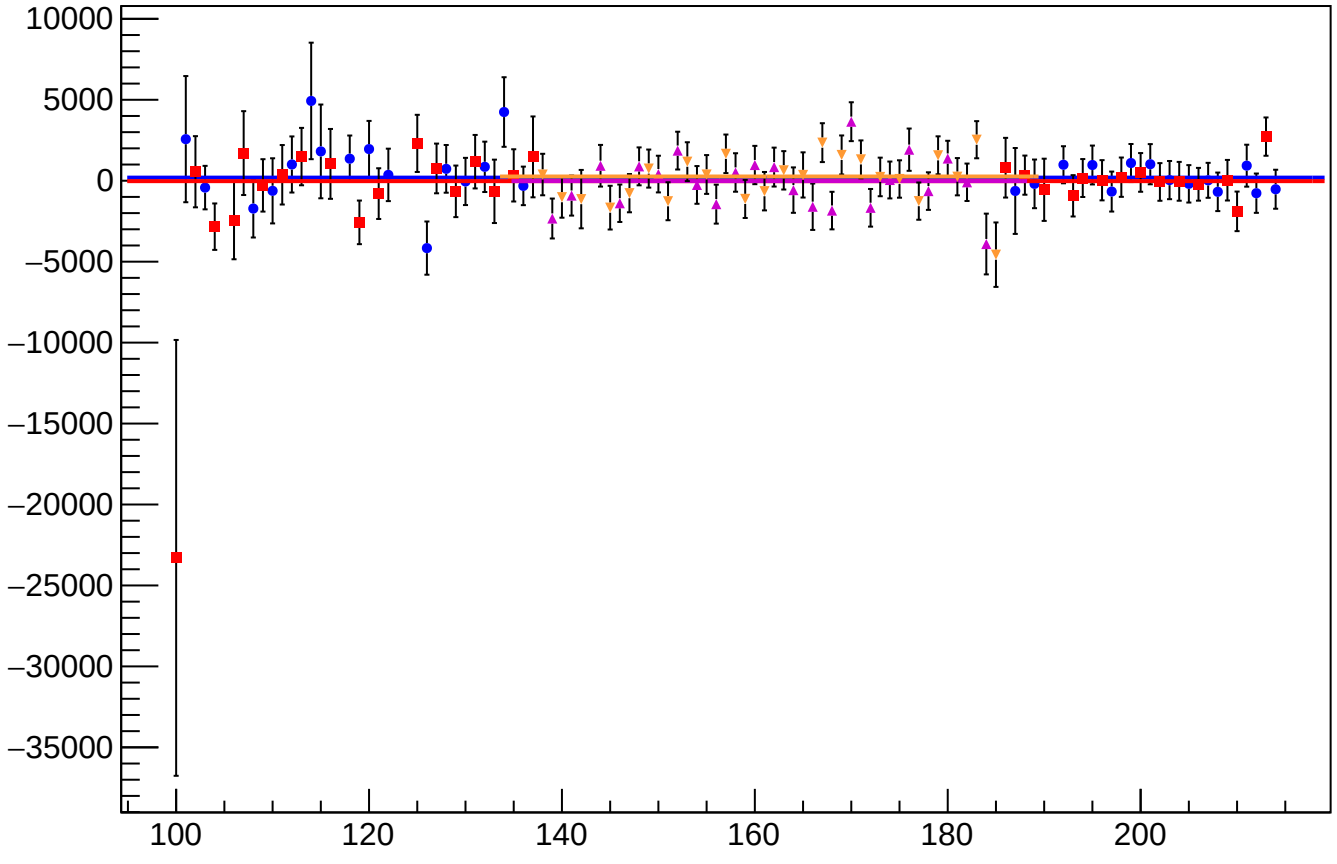
Right Out: 476.935+/-0.086 χ^2/NDF: 5422792.6/31

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 451.711+/-0.055 χ^2/NDF: 5385062.8/53

All: 454.307+/-0.039 χ^2/NDF: 11732006.1/10

- sign 457.015+/-0.056 χ^2/NDF: 6342378.4/54



Right In: 191.759+/-261.617 χ^2/NDF: 21.5/29

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -25.771+/-262.153 χ^2/NDF: 25.4/31

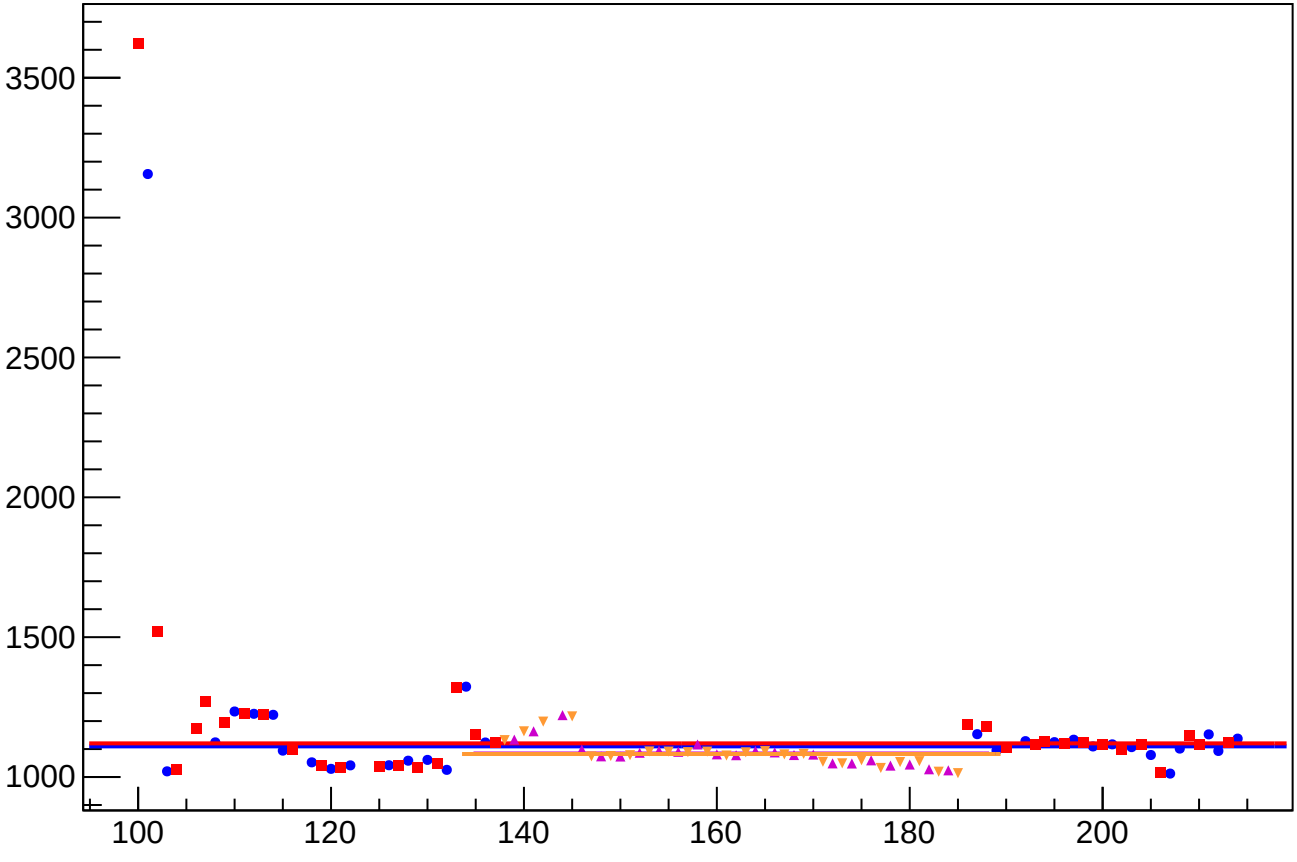
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 227.571+/-181.271 χ^2/NDF: 49.8/53

All: 102.404+/-128.495 χ^2/NDF: 111.9/108

- sign -24.008+/-182.171 χ^2/NDF: 61.2/54

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1109.602+/-0.185 χ^2/NDF: 647639.4/29

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

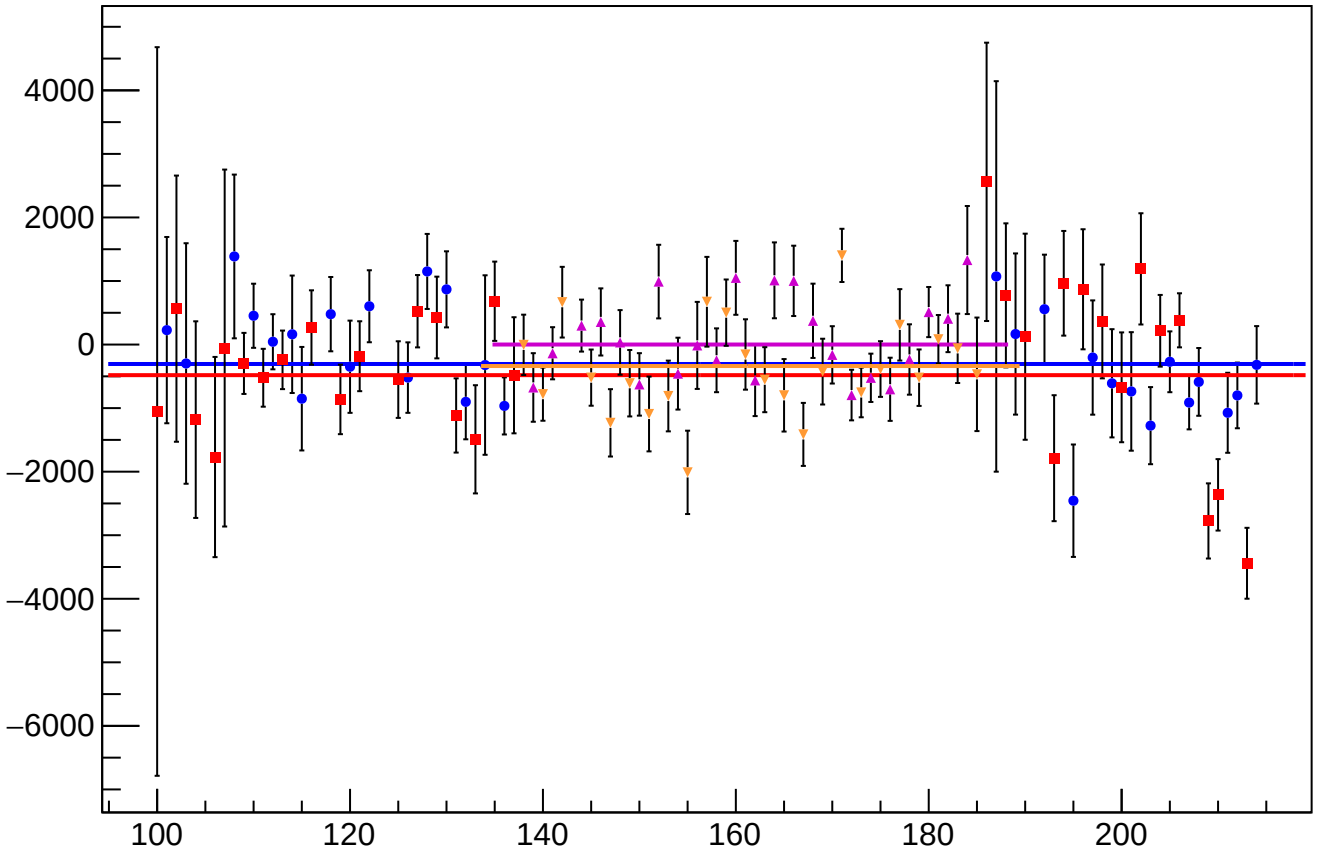
Right Out: 1120.348+/-0.185 χ^2/NDF: 253349.9/31

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.412+/-0.128 χ^2/NDF: 716830.6/53

All: 1098.509+/-0.091 χ^2/NDF: 1044493.9/10

- sign 1101.638+/-0.129 χ^2/NDF: 326489.3/54



Right In: -305.768+/-118.867 χ^2/NDF: 38.0/29

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

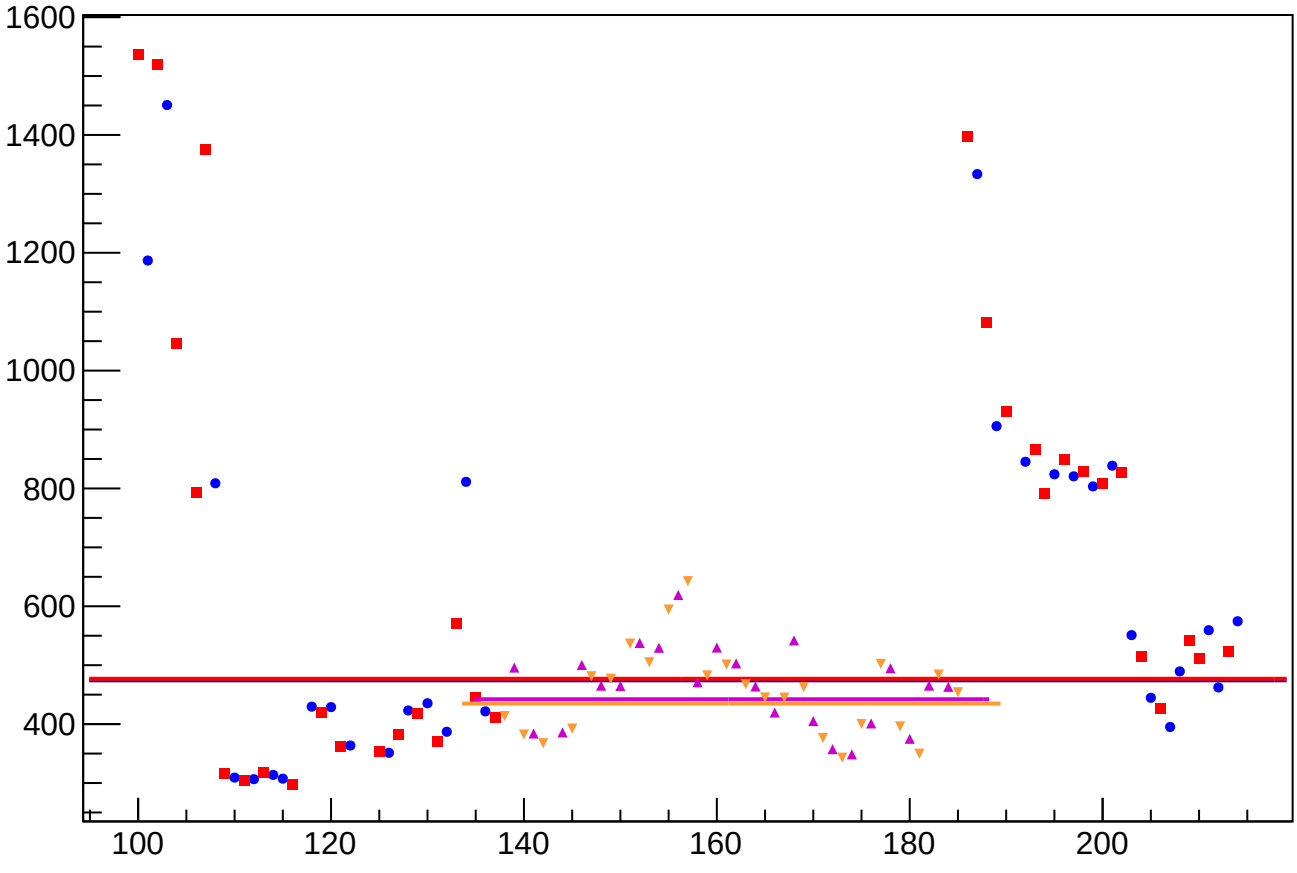
Right Out: -481.380+/-121.483 χ^2/NDF: 90.0/31

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -324.133+/-77.669 χ^2/NDF: 86.9/53

All: -265.781+/-55.496 χ^2/NDF: 219.0/108

- sign -204.916+/-79.324 χ^2/NDF: 130.9/54



Right In: 474.335+/-0.084 χ^2/NDF: 4380130.2/29

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 476.935+/-0.086 χ^2/NDF: 5422792.6/31

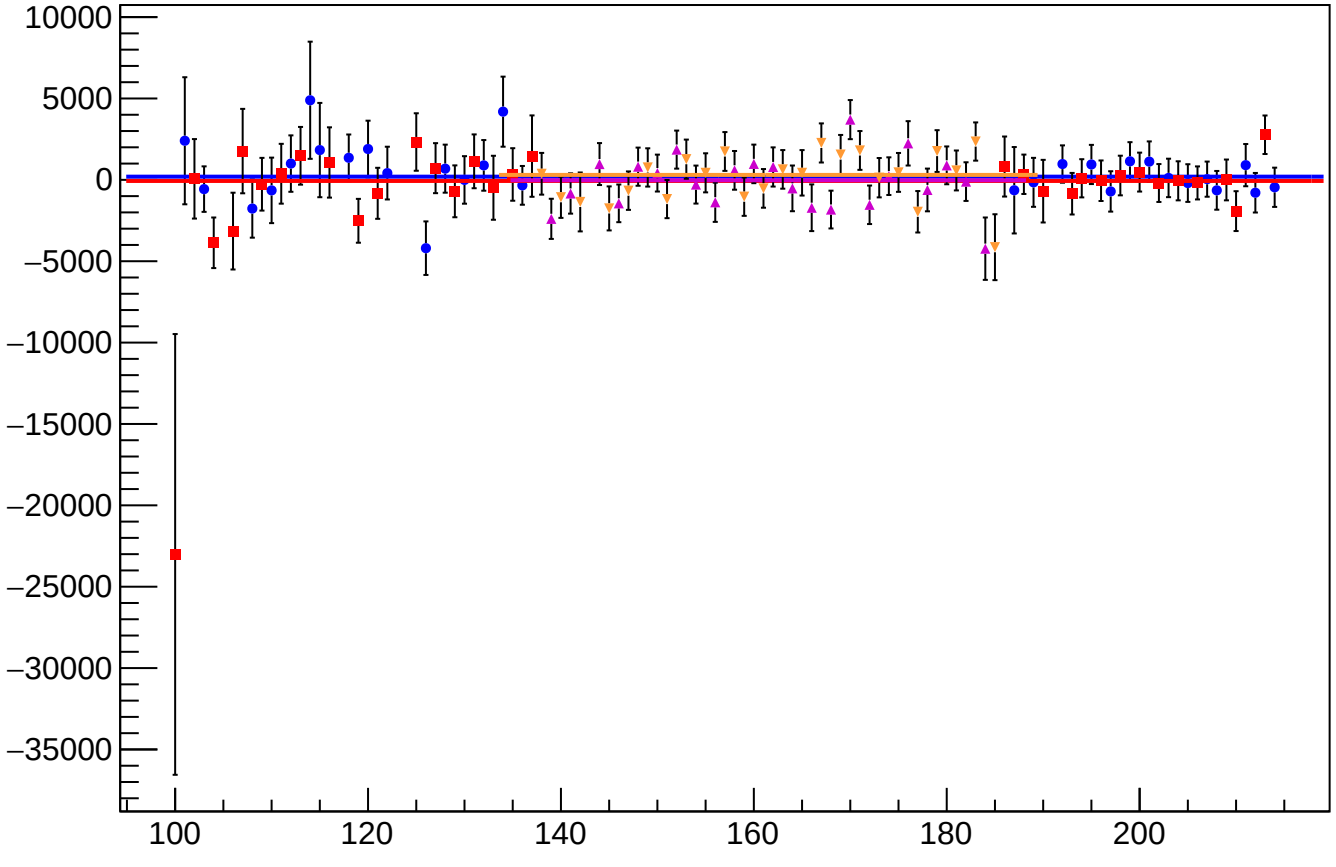
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 451.711+/-0.055 χ^2/NDF: 5385062.8/53

All: 454.307+/-0.039 χ^2/NDF: 11732006.1/10

- sign 457.015+/-0.056 χ^2/NDF: 6342378.4/54

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 196.187+/-262.289 χ^2/NDF: 21.6/29

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -67.554+/-263.402 χ^2/NDF: 28.2/31

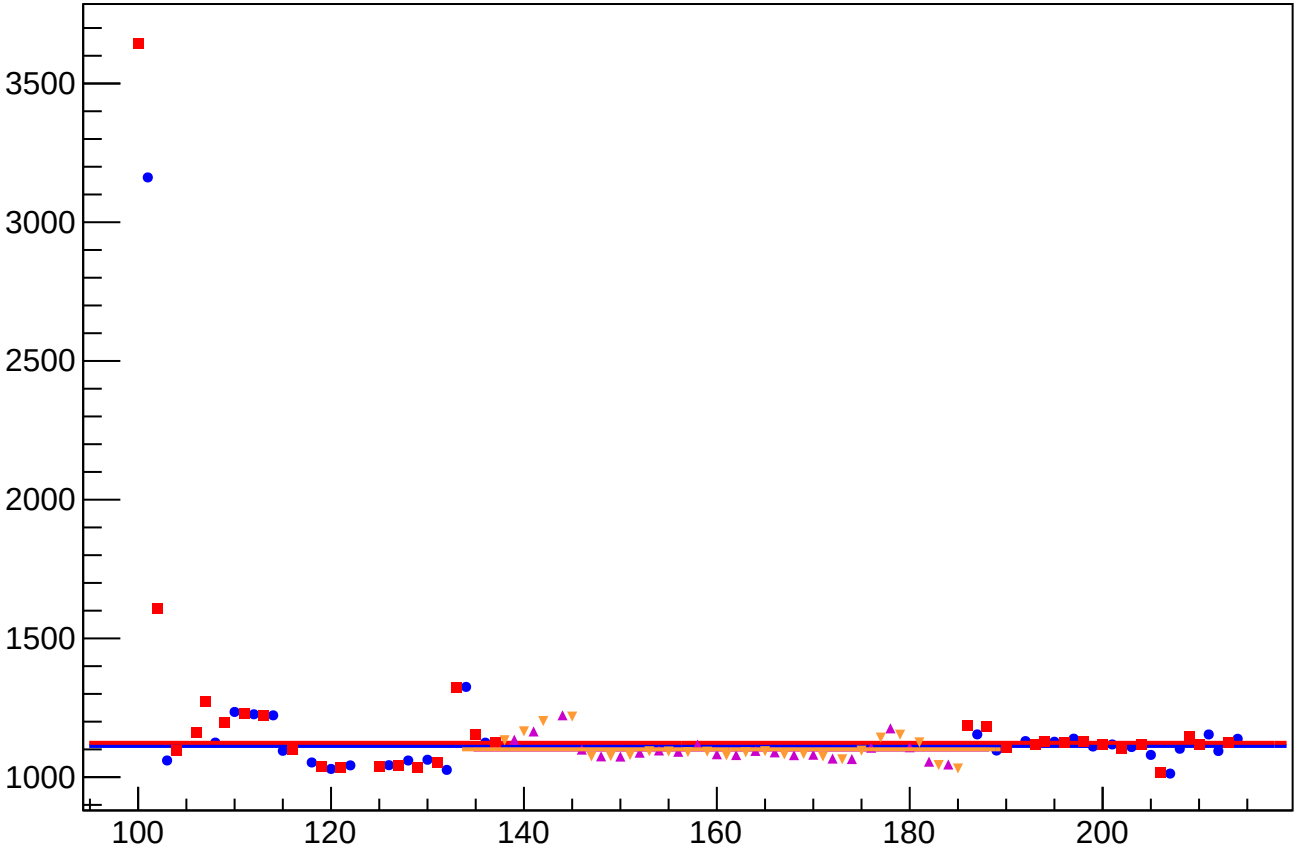
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 251.189+/-183.040 χ^2/NDF: 50.1/53

All: 103.337+/-129.731 χ^2/NDF: 115.5/108

- sign -45.906+/-183.899 χ^2/NDF: 64.0/54

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.479+/-0.185 χ^2/NDF: 642473.1/29

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

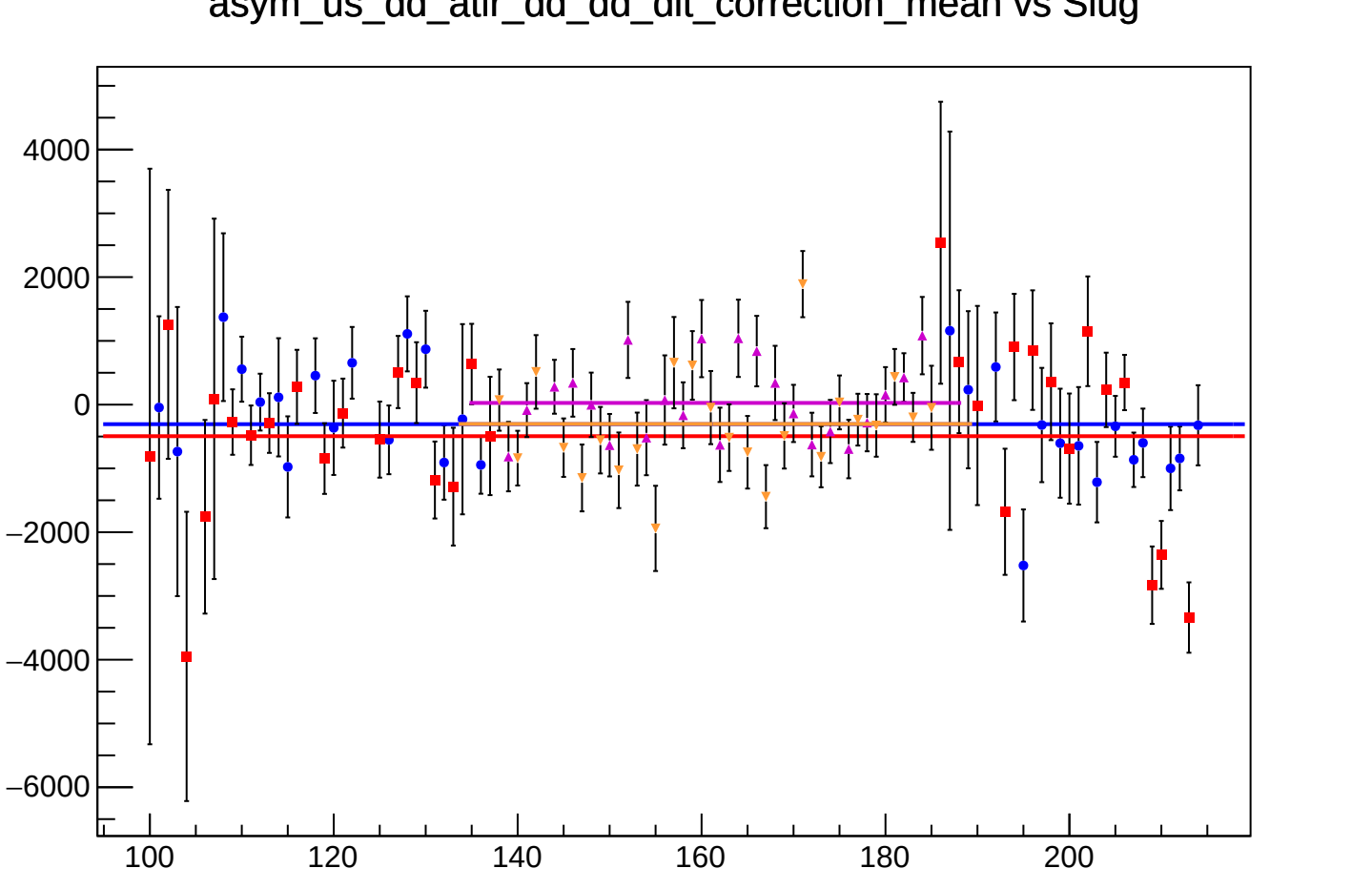
Right Out: 1123.747+/-0.186 χ^2/NDF: 259093.9/31

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.209+/-0.129 χ^2/NDF: 693474.5/53

All: 1108.712+/-0.092 χ^2/NDF: 1006905.5/10

- sign 1111.238+/-0.130 χ^2/NDF: 312679.9/54



Right In: -306.300+/-119.429 χ^2/NDF: 38.1/29

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -494.743+/-122.799 χ^2/NDF: 89.8/31

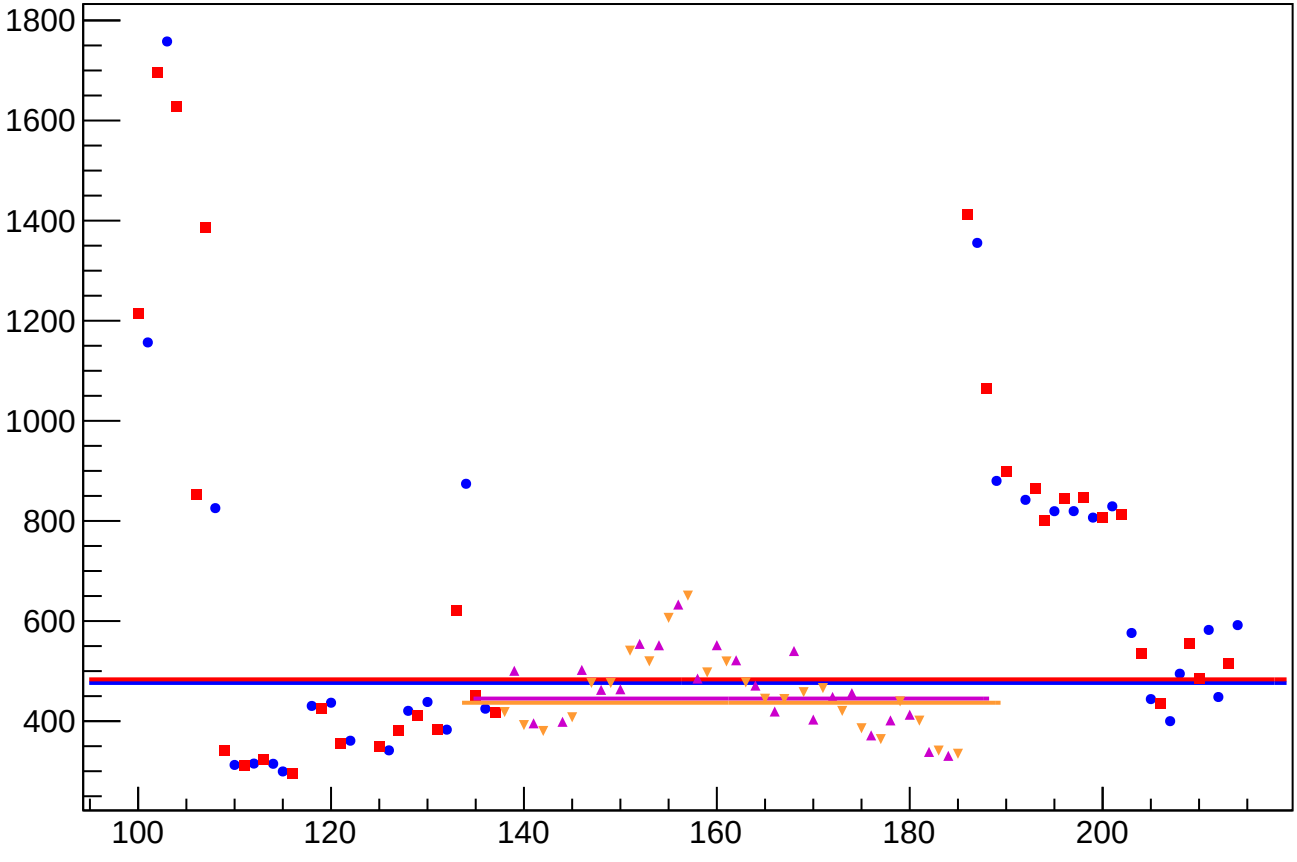
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -304.531+/-77.990 χ^2/NDF: 87.6/53

All: -250.918+/-55.840 χ^2/NDF: 216.6/108

- sign -194.521+/-79.988 χ^2/NDF: 128.1/54

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 476.374+/-0.084 χ^2/NDF: 4514290.0/29

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 483.512+/-0.087 χ^2/NDF: 5734602.5/31

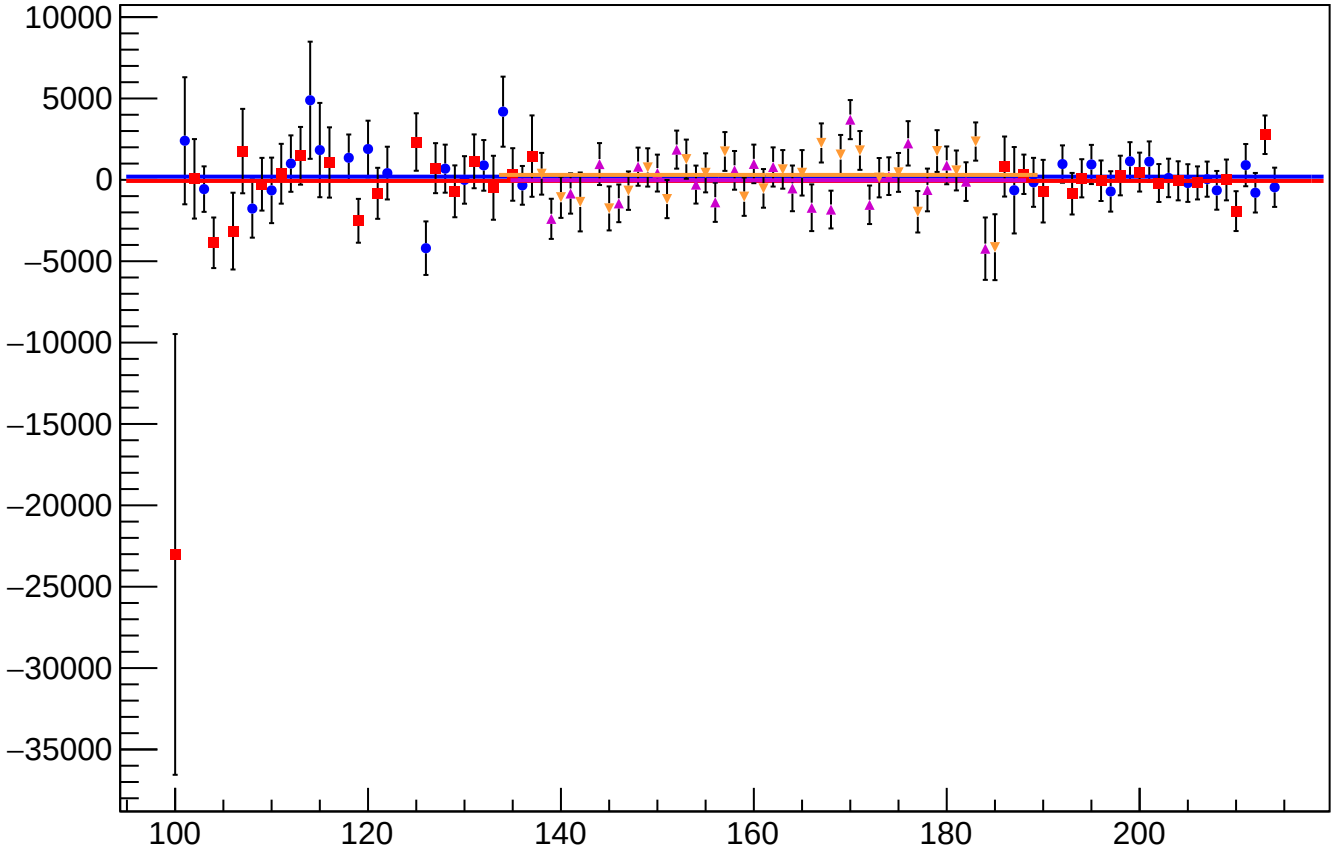
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 453.668+/-0.055 χ^2/NDF: 5495528.7/53

All: 457.438+/-0.039 χ^2/NDF: 12226866.6/10

- sign 461.403+/-0.057 χ^2/NDF: 6721750.6/54

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 196.186+/-262.289 χ^2/NDF: 21.6/29

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -67.554+/-263.402 χ^2/NDF: 28.2/31

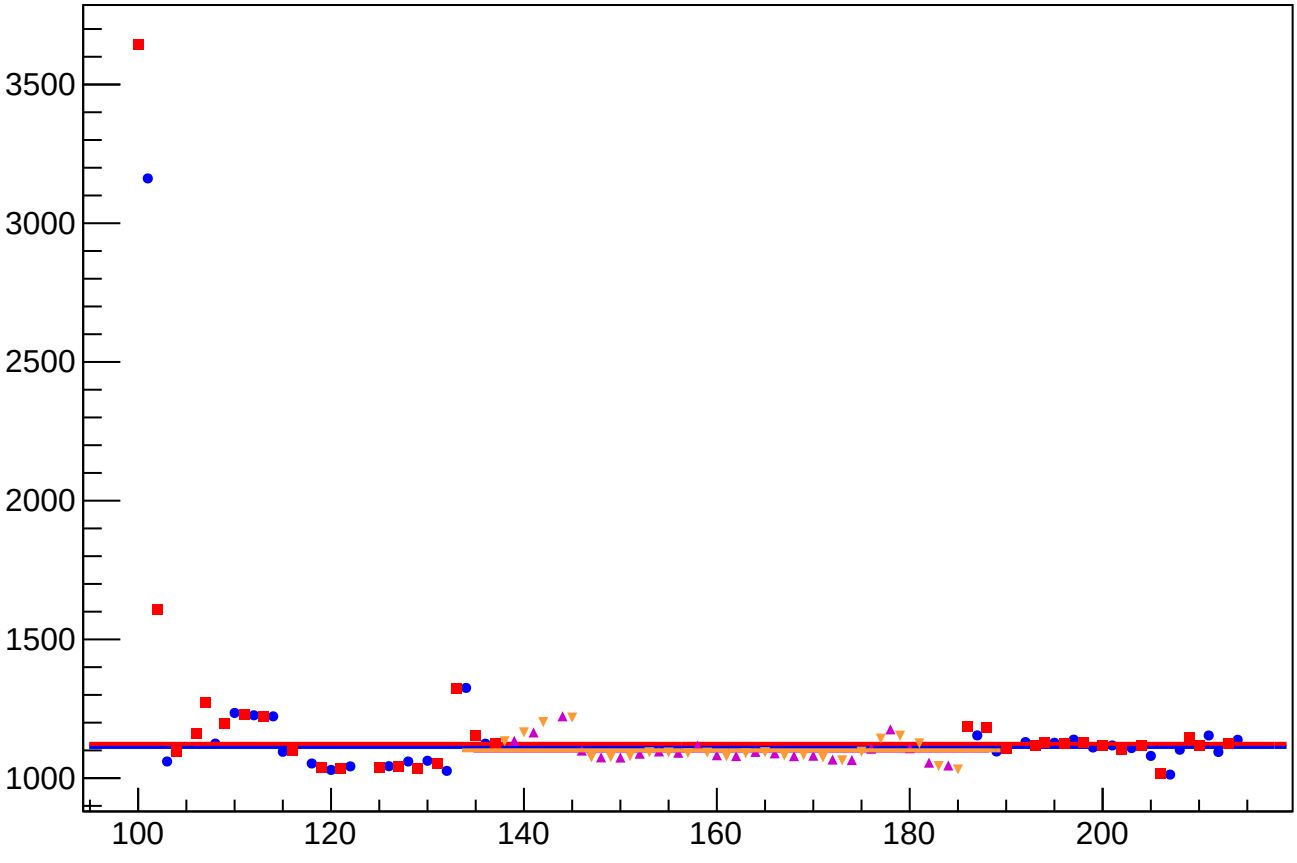
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 251.188+/-183.040 χ^2/NDF: 50.1/53

All: 103.336+/-129.731 χ^2/NDF: 115.5/108

- sign -45.906+/-183.899 χ^2/NDF: 64.0/54

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.479+/-0.185 χ^2/NDF: 642473.1/29

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

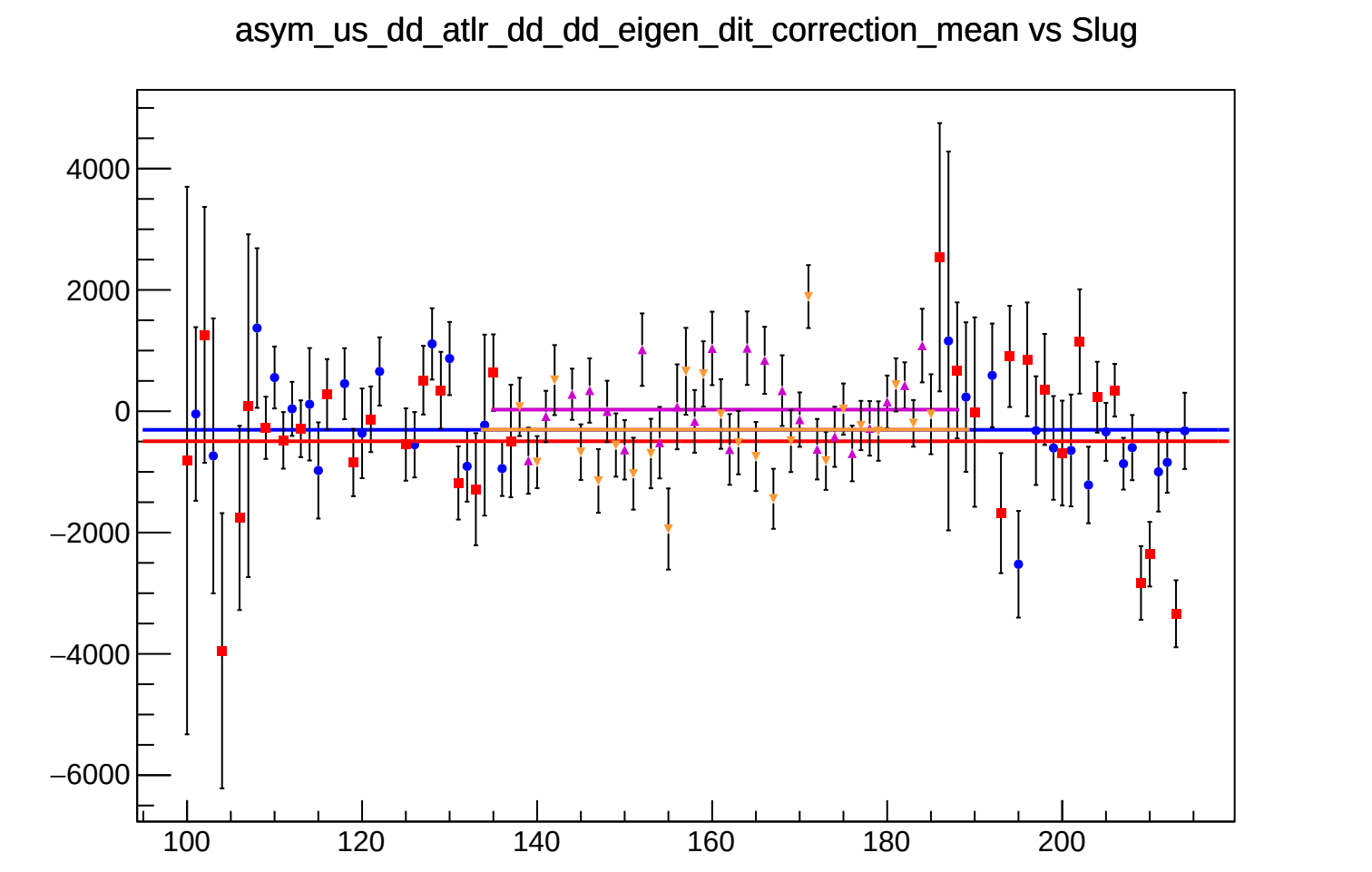
Right Out: 1123.747+/-0.186 χ^2/NDF: 259094.0/31

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.209+/-0.129 χ^2/NDF: 693474.7/53

All: 1108.712+/-0.092 χ^2/NDF: 1006906.0/10

- sign 1111.238+/-0.130 χ^2/NDF: 312680.1/54



Right In: -306.303+/-119.429 χ^2/NDF: 38.1/29

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

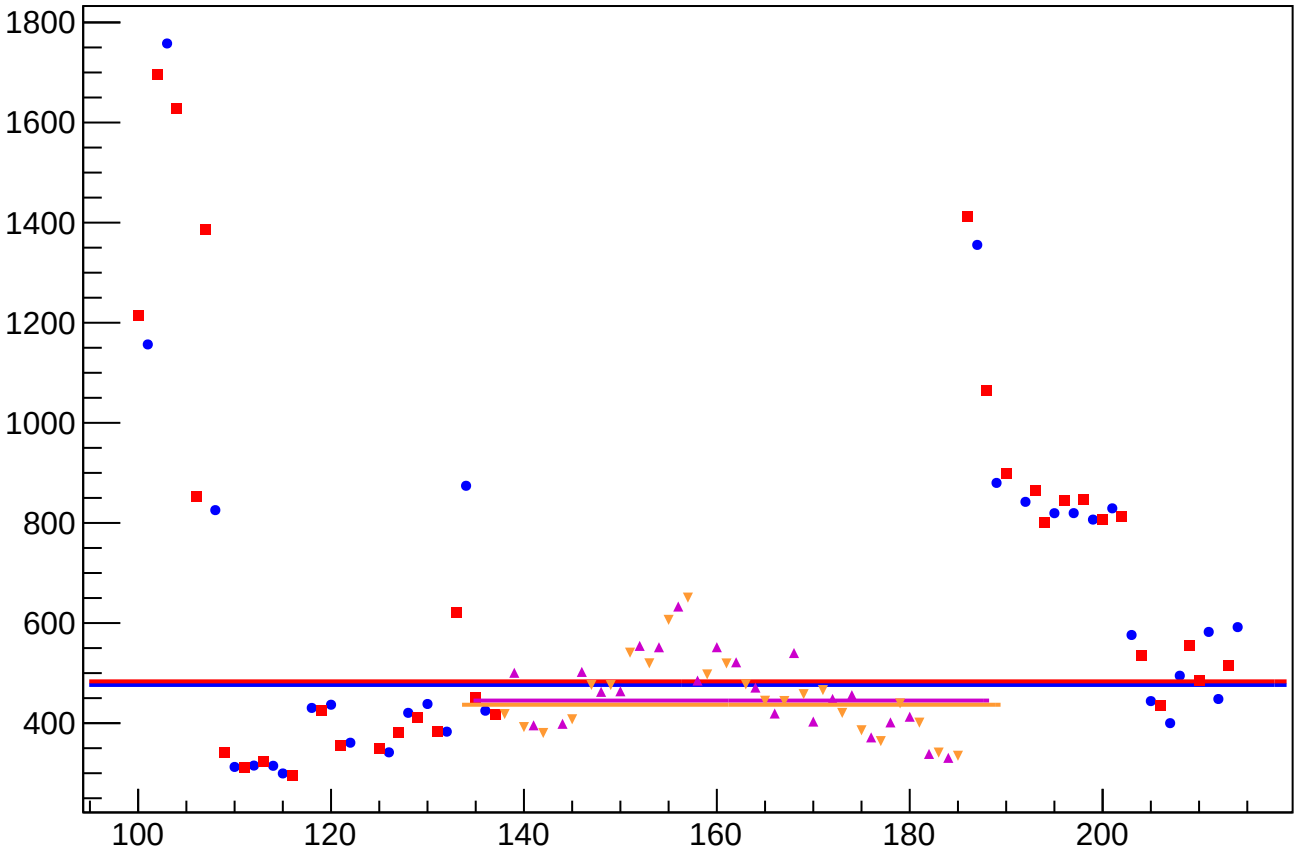
Right Out: -494.737+/-122.798 χ^2/NDF: 89.8/31

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -304.534+/-77.990 χ^2/NDF: 87.6/53

All: -250.918+/-55.840 χ^2/NDF: 216.6/108

- sign -194.520+/-79.988 χ^2/NDF: 128.1/54



Right In: 476.371+/-0.084 χ^2/NDF: 4514323.6/29

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 483.510+/-0.087 χ^2/NDF: 5734670.1/31

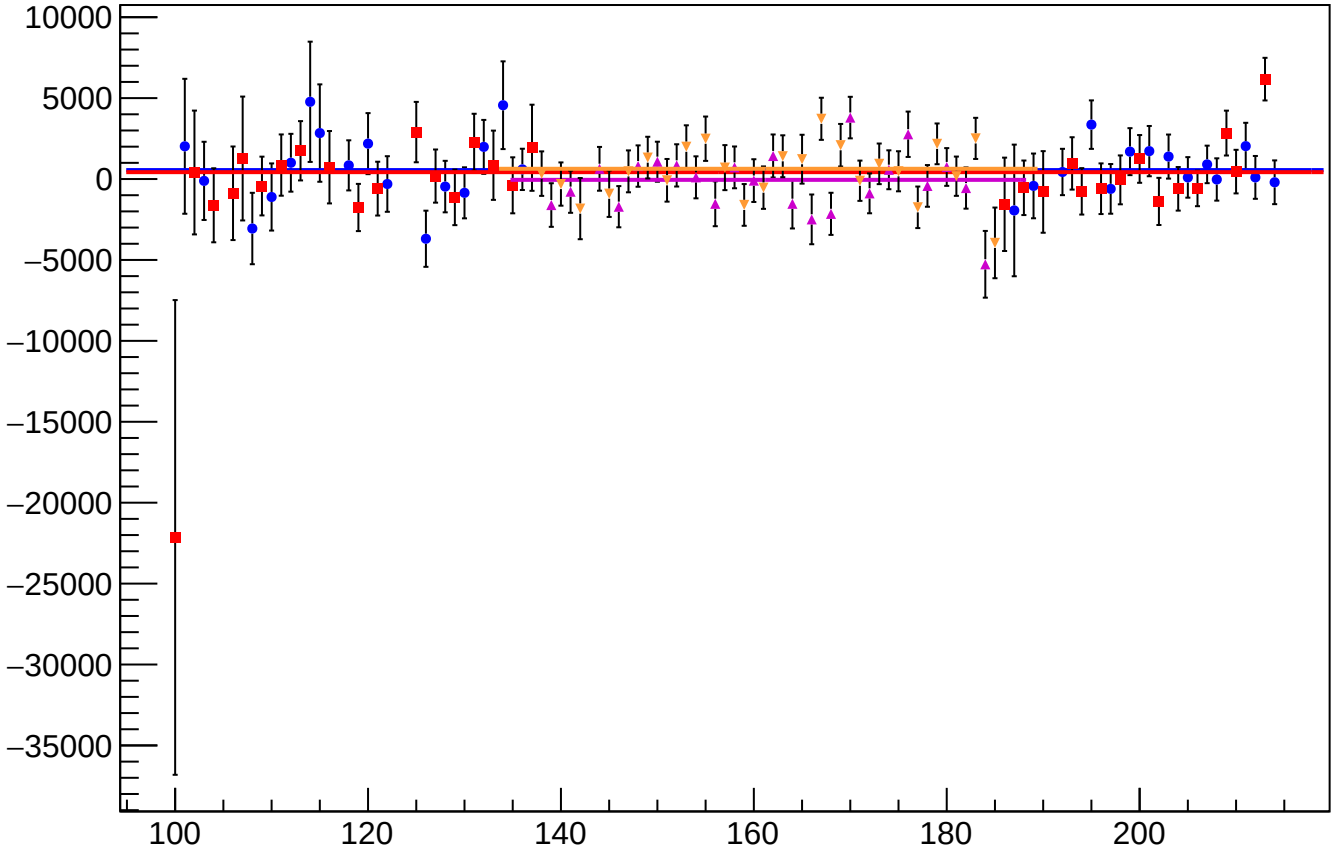
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 453.667+/-0.055 χ^2/NDF: 5495580.0/53

All: 457.437+/-0.039 χ^2/NDF: 12227006.0/10

- sign 461.402+/-0.057 χ^2/NDF: 6721839.0/54

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 552.928+/-300.115 χ^2/NDF: 24.8/29

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 425.111+/-305.968 χ^2/NDF: 38.9/31

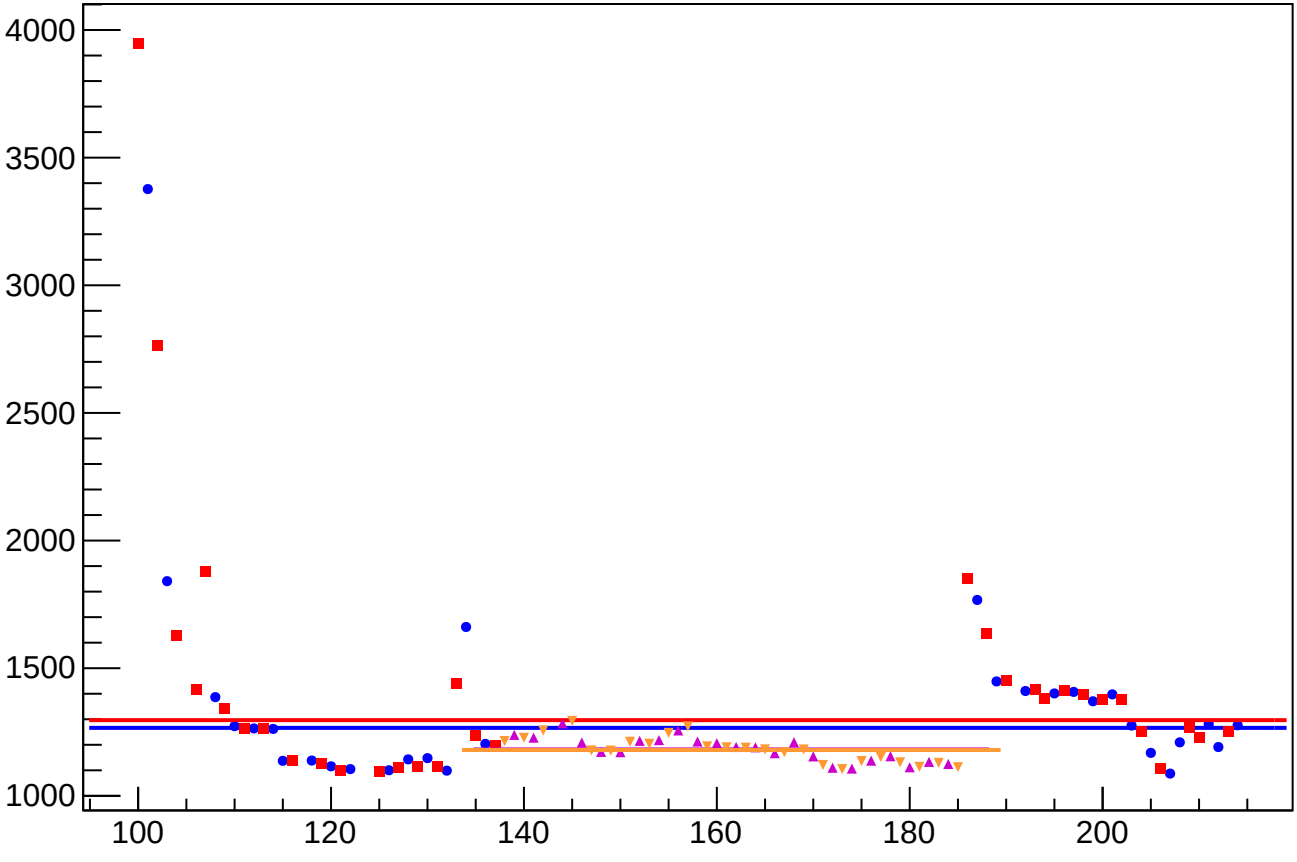
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 596.522+/-202.375 χ^2/NDF: 54.9/53

All: 382.520+/-144.029 χ^2/NDF: 132.4/108

- sign 162.875+/-205.027 χ^2/NDF: 75.2/54

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1266.316+/-0.212 χ^2/NDF: 984267.4/29

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

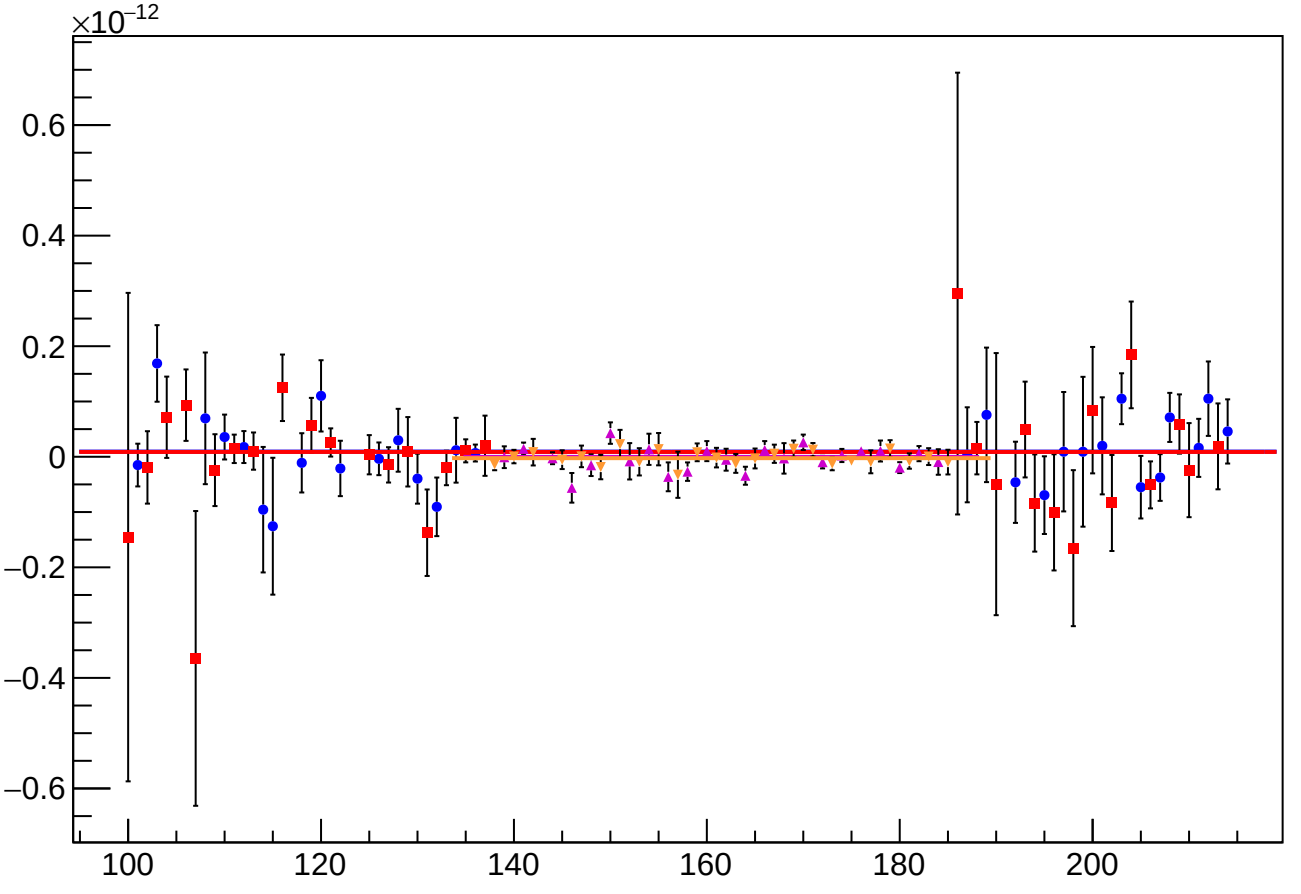
Right Out: 1296.490+/-0.216 χ^2/NDF: 909042.2/31

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1219.093+/-0.143 χ^2/NDF: 1139746.5/53

All: 1226.138+/-0.102 χ^2/NDF: 2268542.0/10

\- sign 1233.370+/-0.145 χ^2/NDF: 1123883.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/29

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

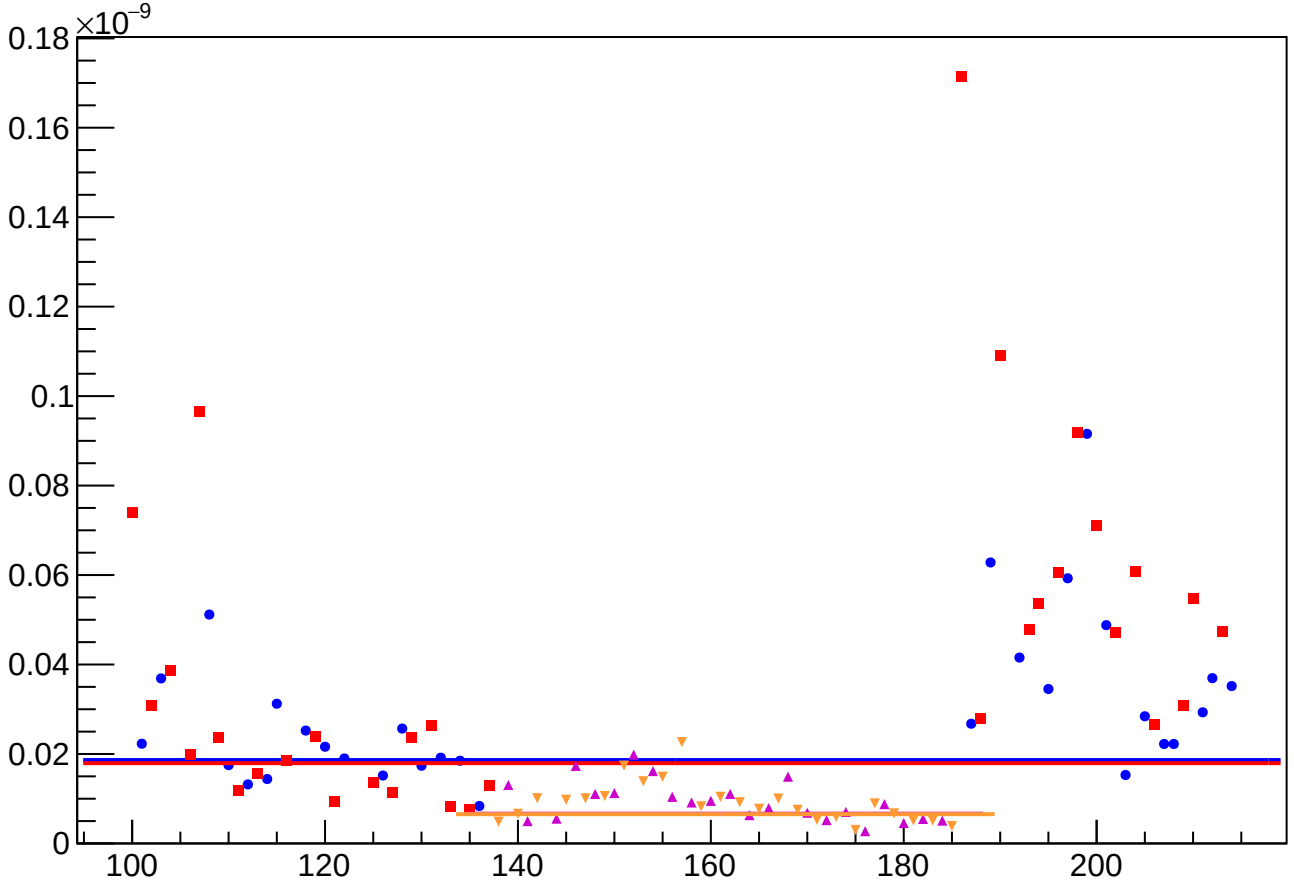
Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/31

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/53

All: -0.000+/-0.000 χ^2/NDF: 103.4/108

- sign 0.000+/-0.000 χ^2/NDF: 61.0/54



Right In: 0.000+/-0.000 χ^2/NDF: 3562874.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

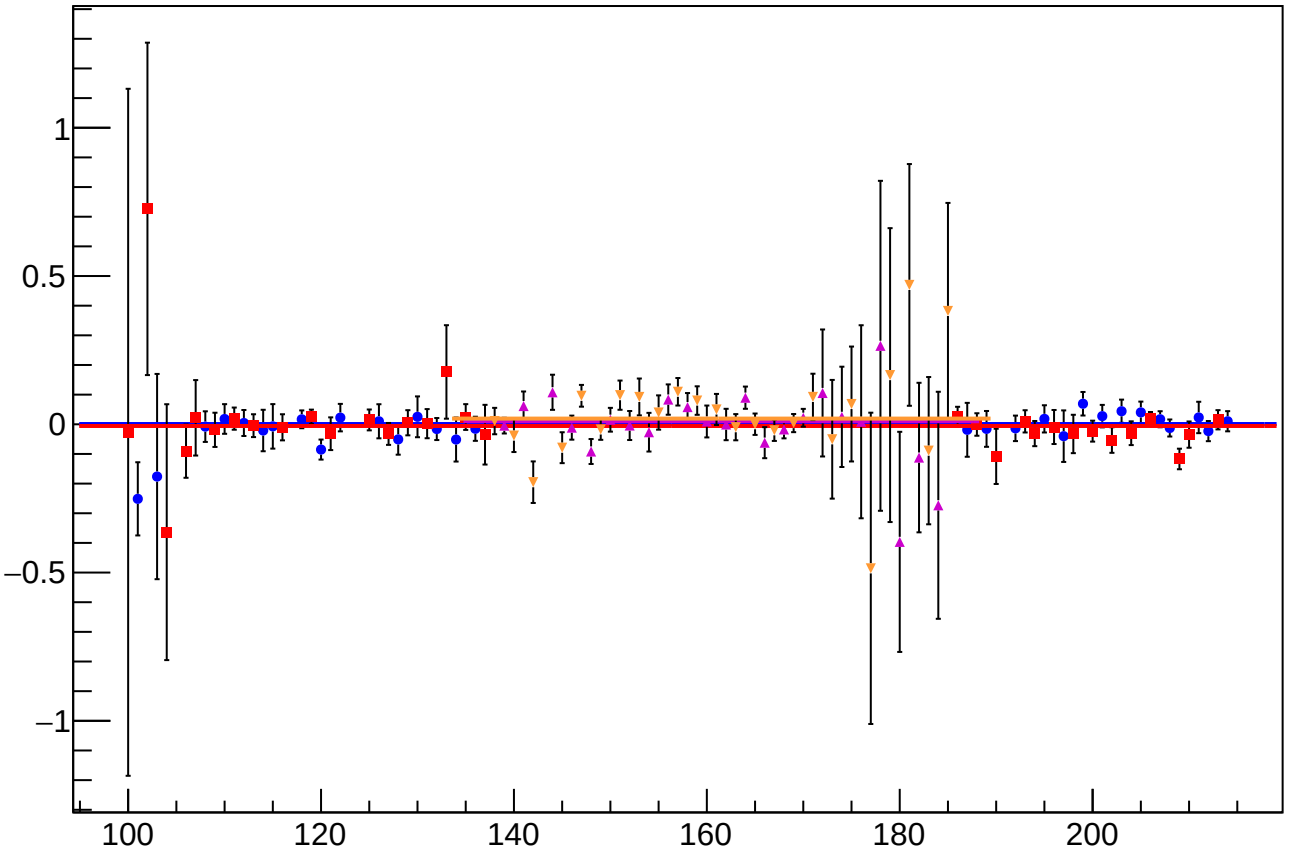
Right Out: 0.000+/-0.000 χ^2/NDF: 5750725.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9604385.9/53

All: 0.000+/-0.000 χ^2/NDF: 21013145.3/108

- sign 0.000+/-0.000 χ^2/NDF: 11408758.3/54



Right In: 0.001+/-0.008 χ^2/NDF: 21.5/29

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

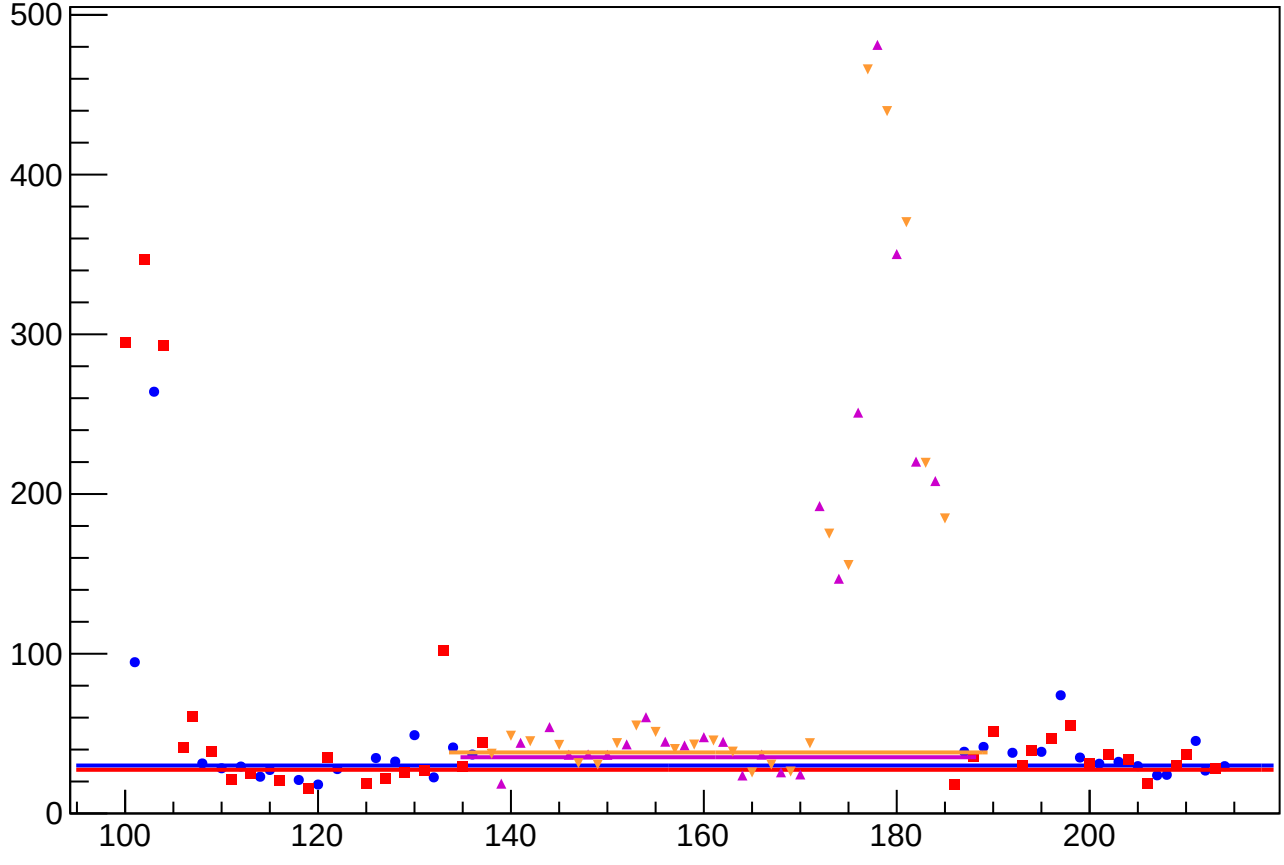
Right Out: -0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.007+/-0.006 χ^2/NDF: 59.3/53

All: 0.003+/-0.004 χ^2/NDF: 111.1/108

- sign -0.000+/-0.006 χ^2/NDF: 51.1/54



Right In: 30.011+/-0.006 χ^2/NDF: 3434672.6/29

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

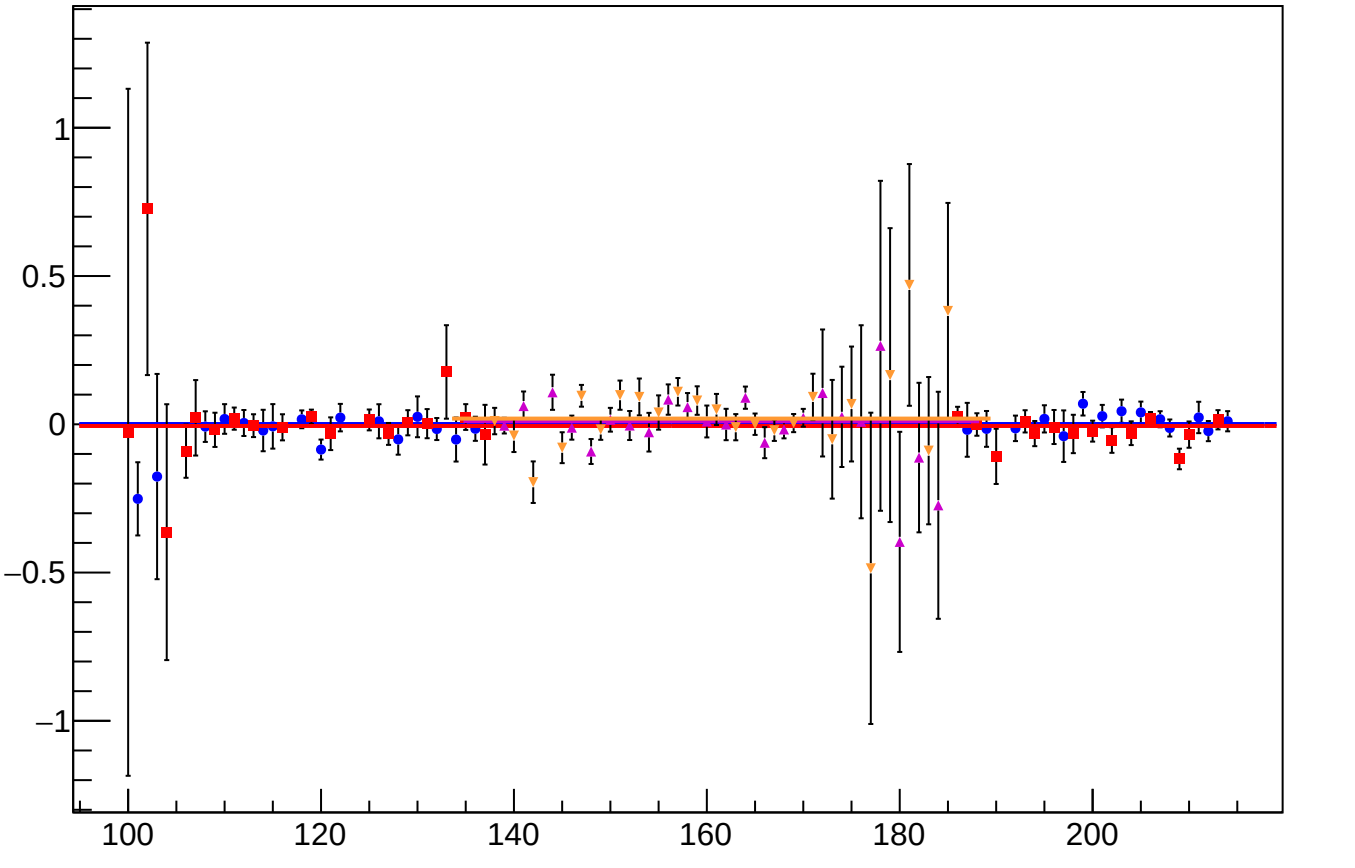
Right Out: 27.333+/-0.005 χ^2/NDF: 4820832.4/31

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.923+/-0.005 χ^2/NDF: 12462241.2/53

All: 31.421+/-0.003 χ^2/NDF: 27642337.9/108

- sign 30.086+/-0.004 χ^2/NDF: 14974631.5/54



Right In: 0.001+/-0.008 χ^2/NDF: 21.5/29

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

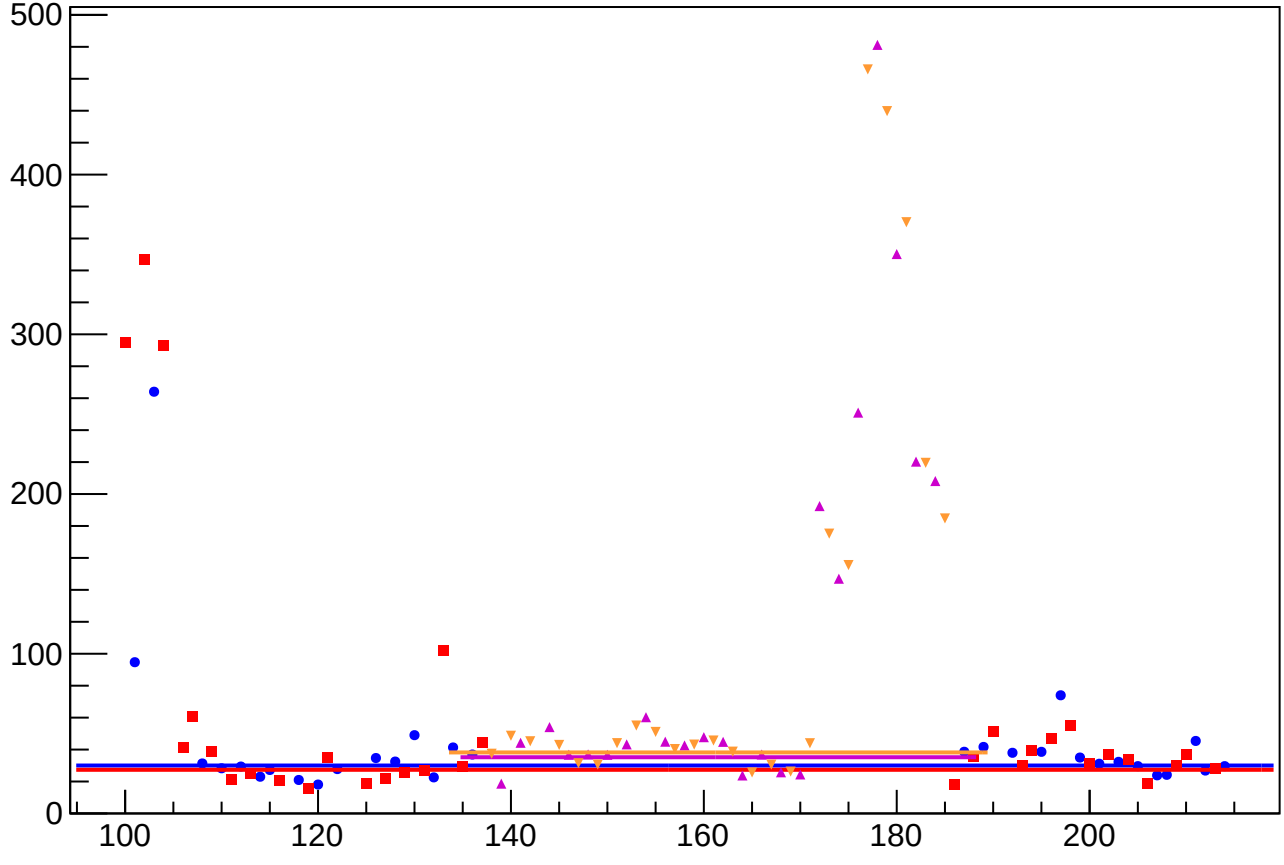
Right Out: -0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.007+/-0.006 χ^2/NDF: 59.3/53

All: 0.003+/-0.004 χ^2/NDF: 111.1/108

- sign -0.000+/-0.006 χ^2/NDF: 51.1/54



Right In: 30.011+/-0.006 χ^2/NDF: 3434672.6/29

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

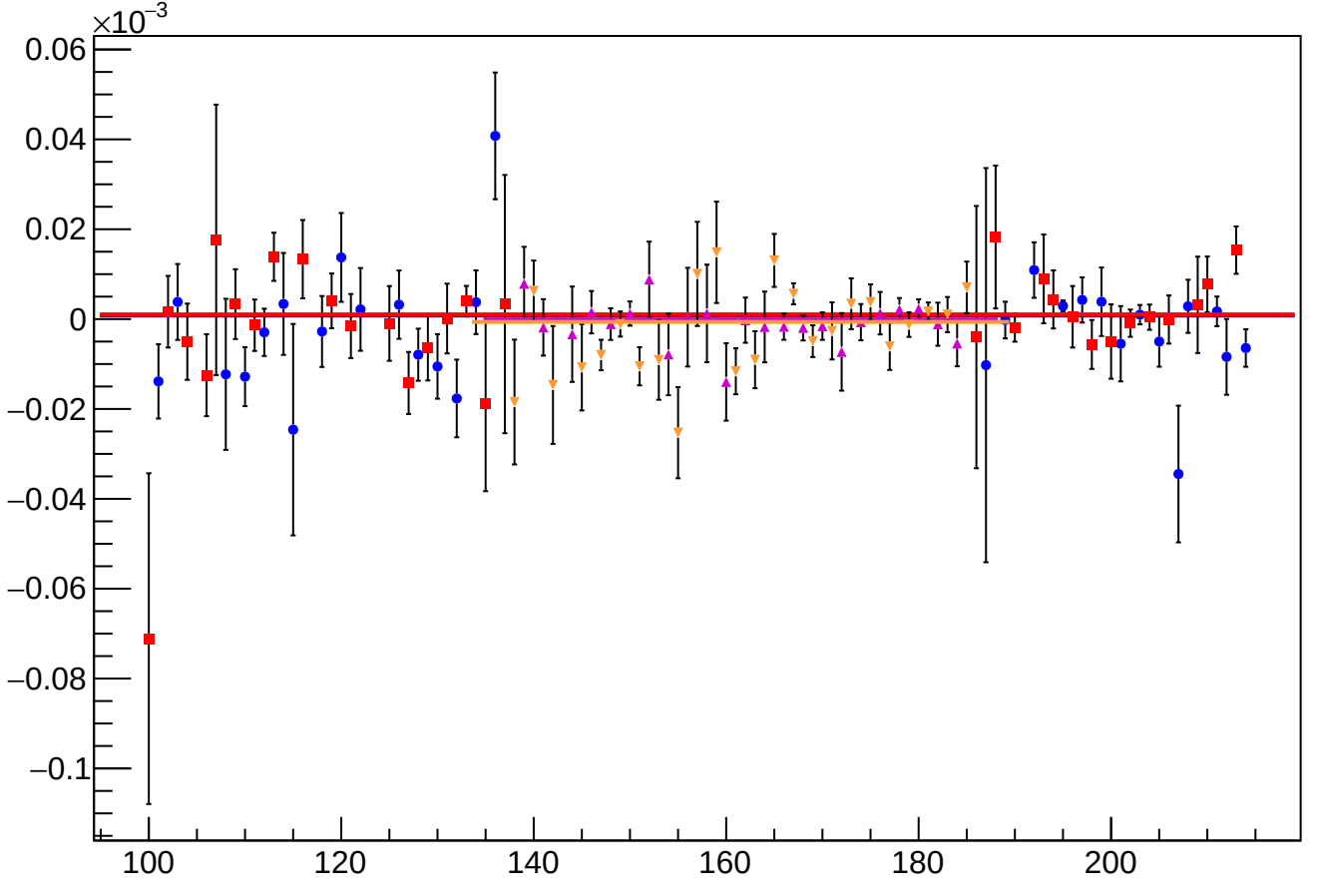
Right Out: 27.333+/-0.005 χ^2/NDF: 4820832.4/31

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 32.923+/-0.005 χ^2/NDF: 12462241.2/53

All: 31.421+/-0.003 χ^2/NDF: 27642337.9/108

- sign 30.086+/-0.004 χ^2/NDF: 14974631.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 47.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

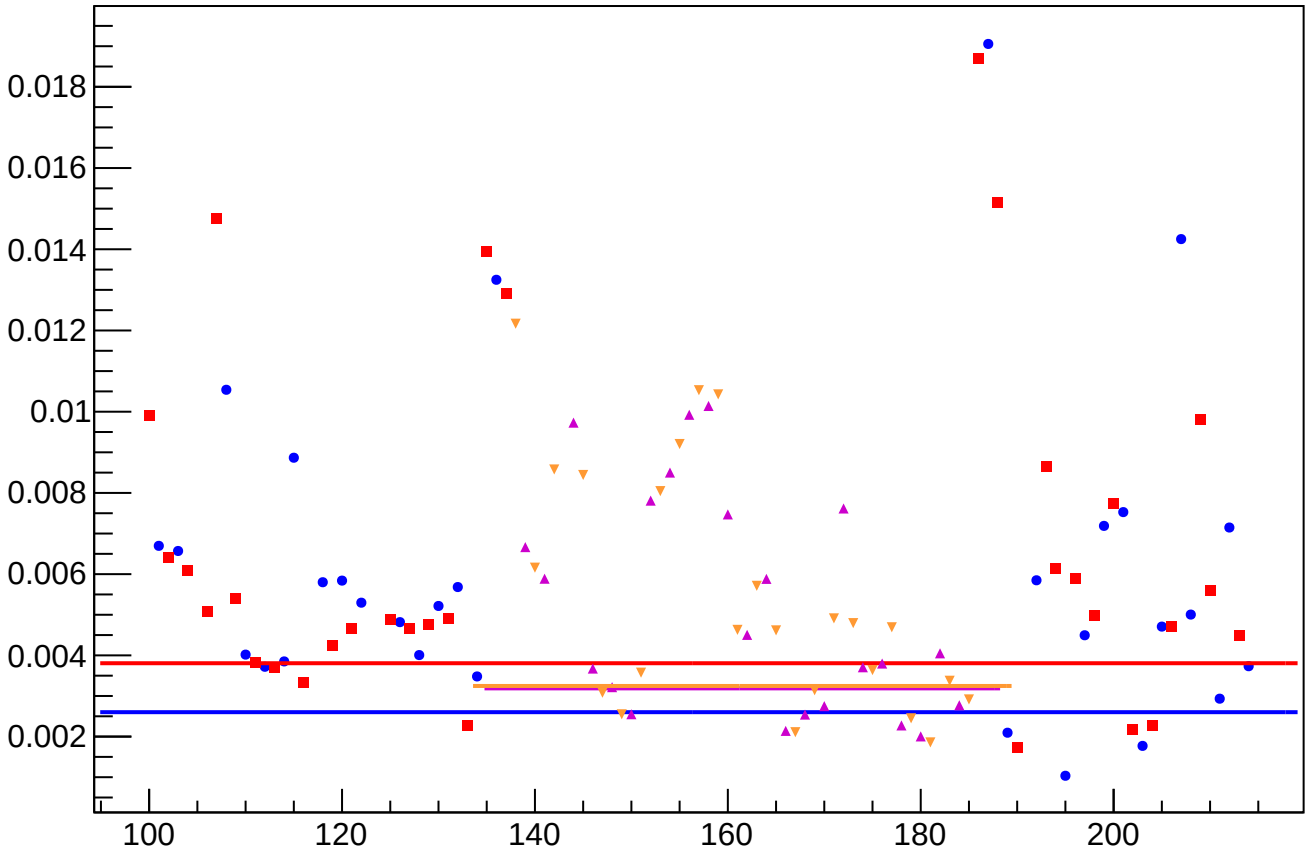
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/31

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 100.0/53

All: 0.000+/-0.000 χ^2/NDF: 148.9/108

- sign 0.000+/-0.000 χ^2/NDF: 48.9/54



Right In: 0.003+/-0.000 χ^2/NDF: 13113511.7/29

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

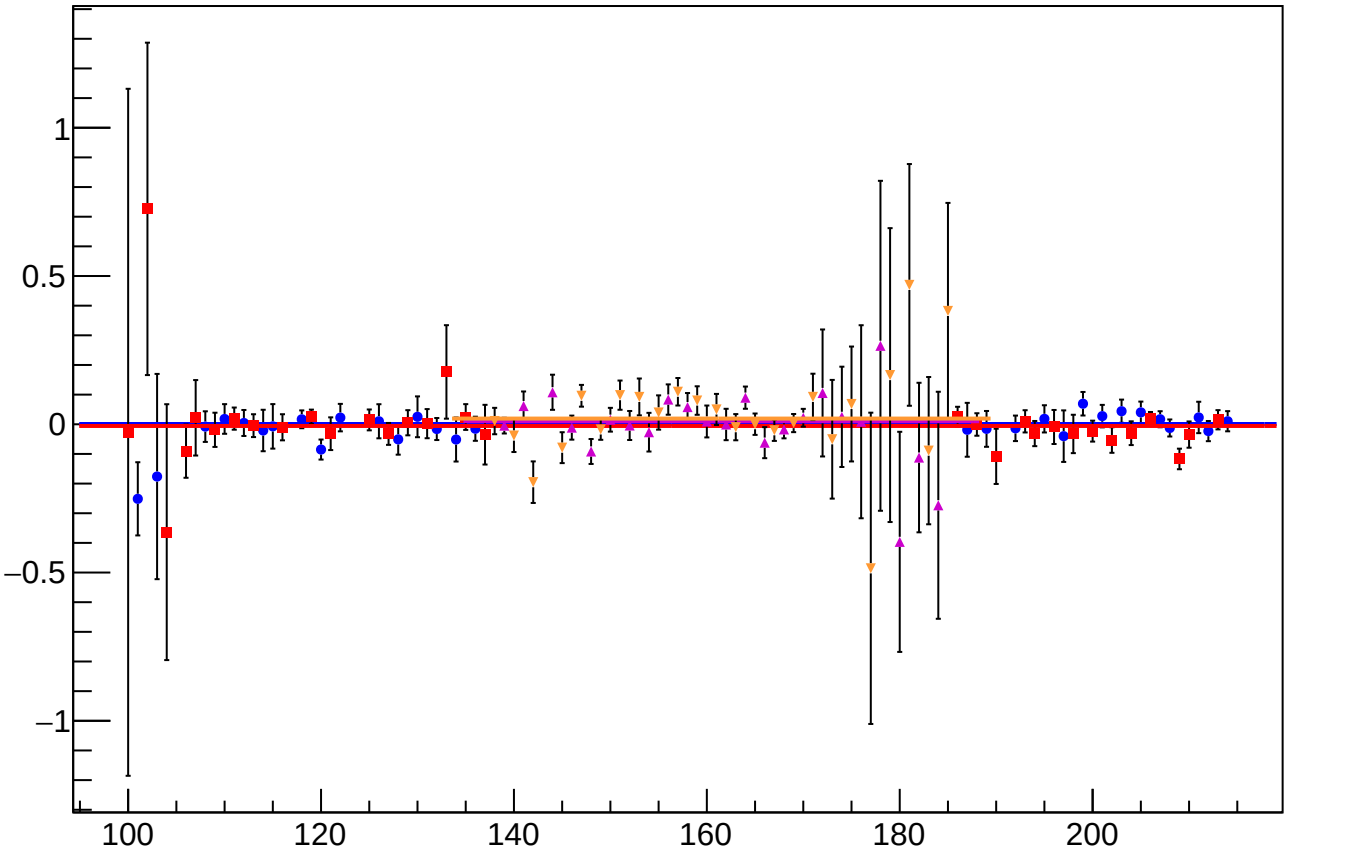
Right Out: 0.004+/-0.000 χ^2/NDF: 8098185.8/31

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 21441927.1/53

All: 0.003+/-0.000 χ^2/NDF: 37968733.0/108

- sign 0.003+/-0.000 χ^2/NDF: 15814731.8/54



Right In: 0.001+/-0.008 χ^2/NDF: 21.5/29

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

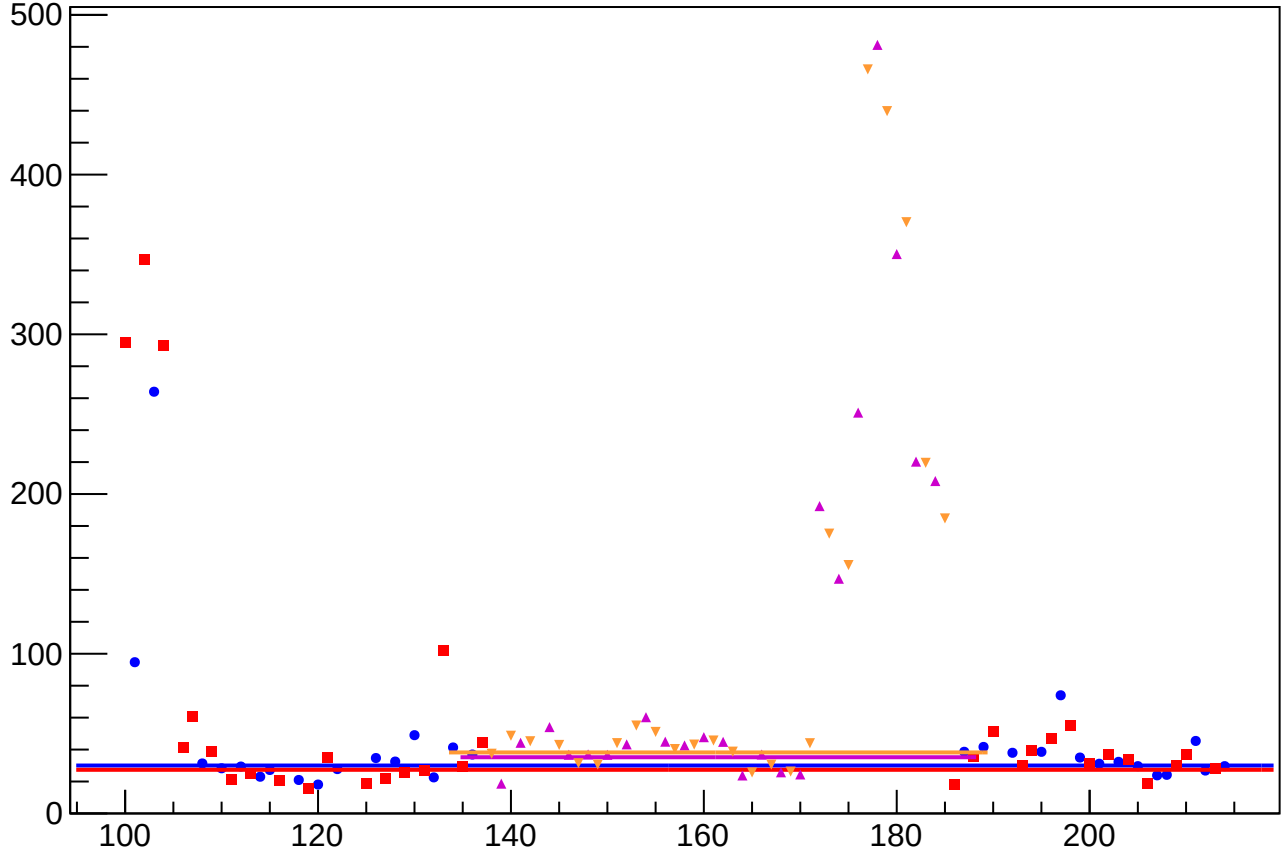
Right Out: -0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.007+/-0.006 χ^2/NDF: 59.3/53

All: 0.003+/-0.004 χ^2/NDF: 111.0/108

- sign -0.000+/-0.006 χ^2/NDF: 51.1/54



Right In: 30.010+/-0.006 χ^2/NDF: 3434852.7/29

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

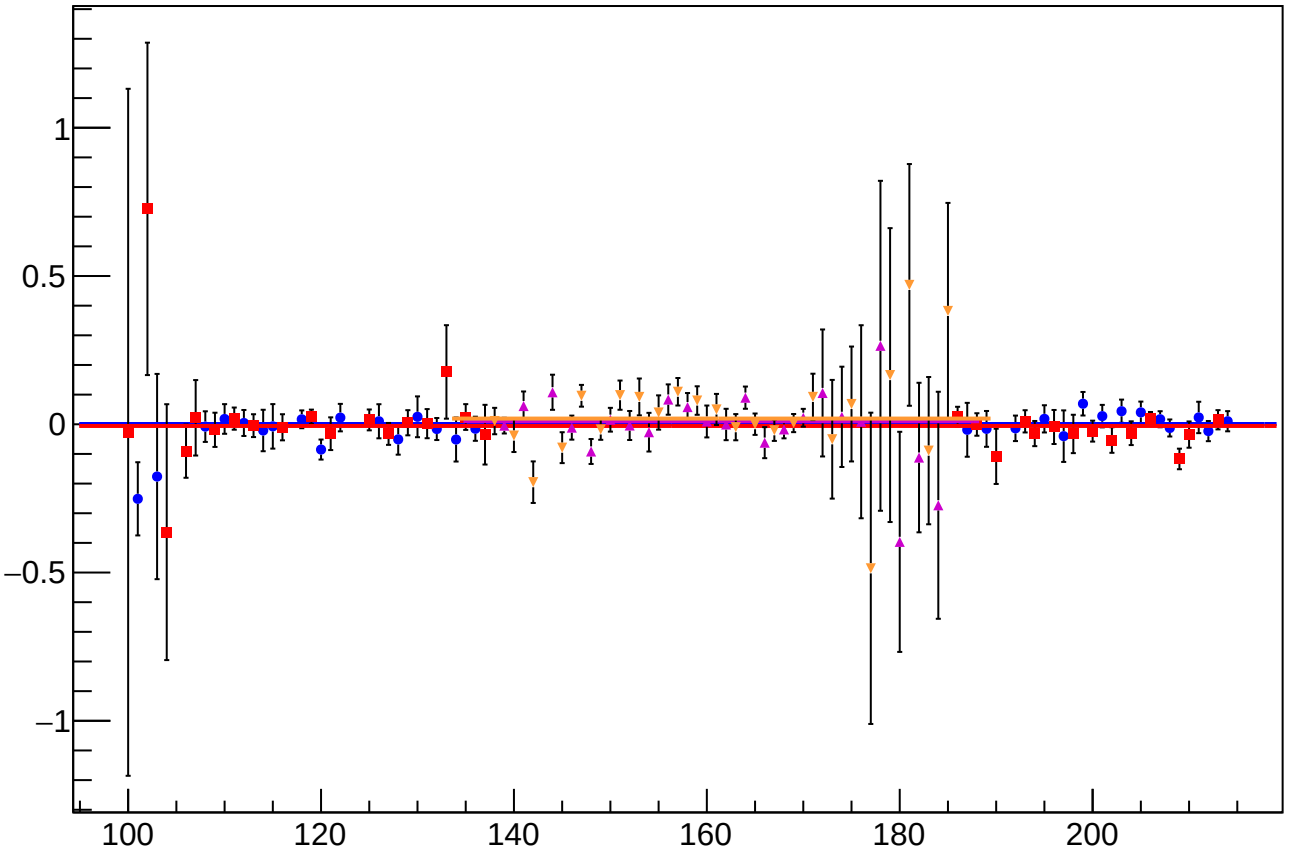
Right Out: 27.331+/-0.005 χ^2/NDF: 4821099.6/31

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 32.922+/-0.005 χ^2/NDF: 12462670.6/53

All: 31.420+/-0.003 χ^2/NDF: 27643791.3/108

- sign 30.084+/-0.004 χ^2/NDF: 14975569.2/54



Right In: 0.001+/-0.008 χ^2/NDF: 21.5/29

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

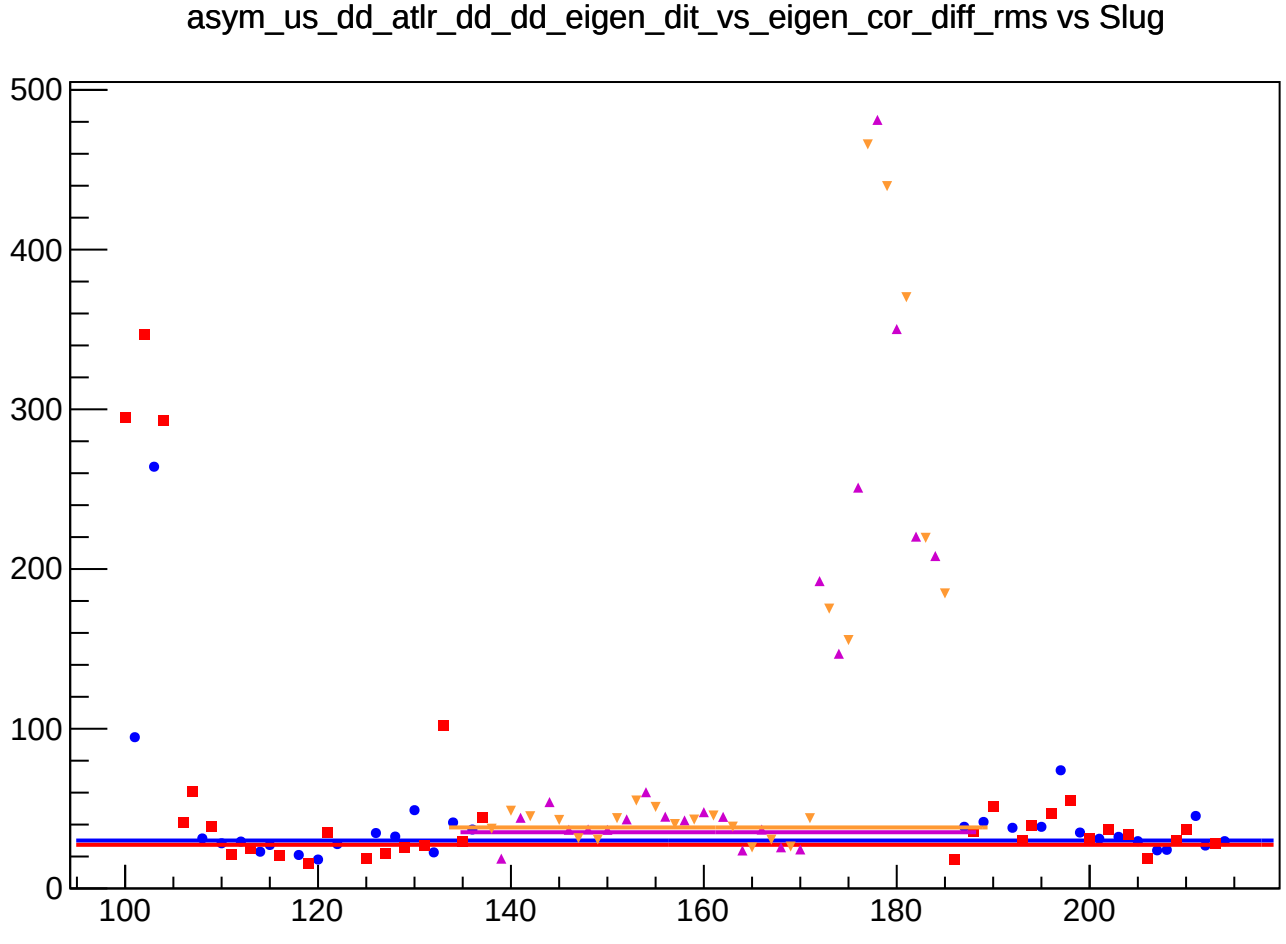
Right Out: -0.006+/-0.008 χ^2/NDF: 25.9/31

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.007+/-0.006 χ^2/NDF: 59.3/53

All: 0.003+/-0.004 χ^2/NDF: 111.0/108

- sign -0.000+/-0.006 χ^2/NDF: 51.1/54



Right In: 30.010+/-0.006 χ^2/NDF: 3434852.7/29

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

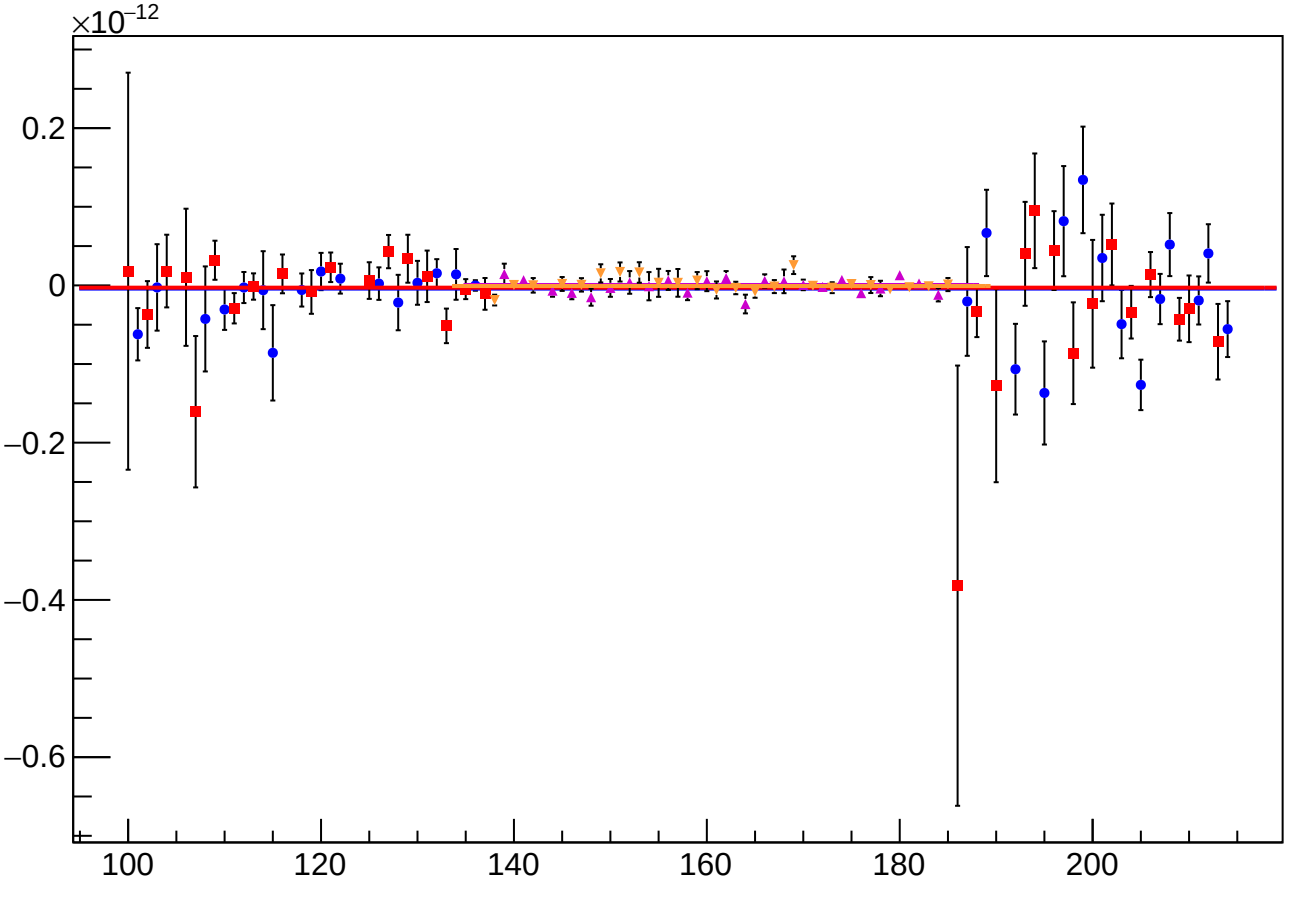
Right Out: 27.331+/-0.005 χ^2/NDF: 4821099.6/31

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 32.922+/-0.005 χ^2/NDF: 12462670.6/53

All: 31.420+/-0.003 χ^2/NDF: 27643791.3/108

- sign 30.084+/-0.004 χ^2/NDF: 14975569.2/54



Right In: -0.000+/-0.000 χ^2/NDF: 46.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

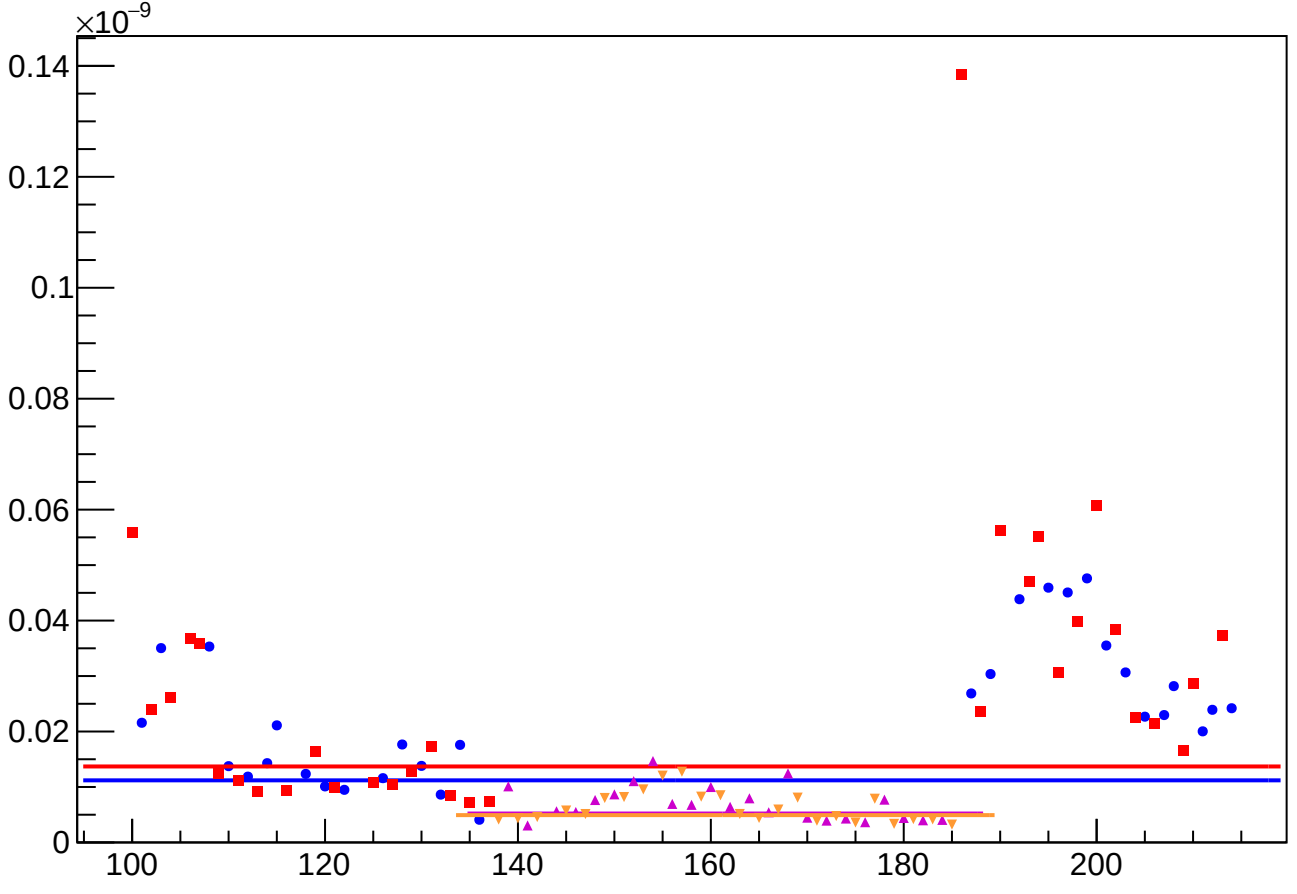
Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/31

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.1/53

All: -0.000+/-0.000 χ^2/NDF: 132.0/108

- sign 0.000+/-0.000 χ^2/NDF: 63.5/54



Right In: 0.000+/-0.000 χ^2/NDF: 8340240.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6528695.0/31

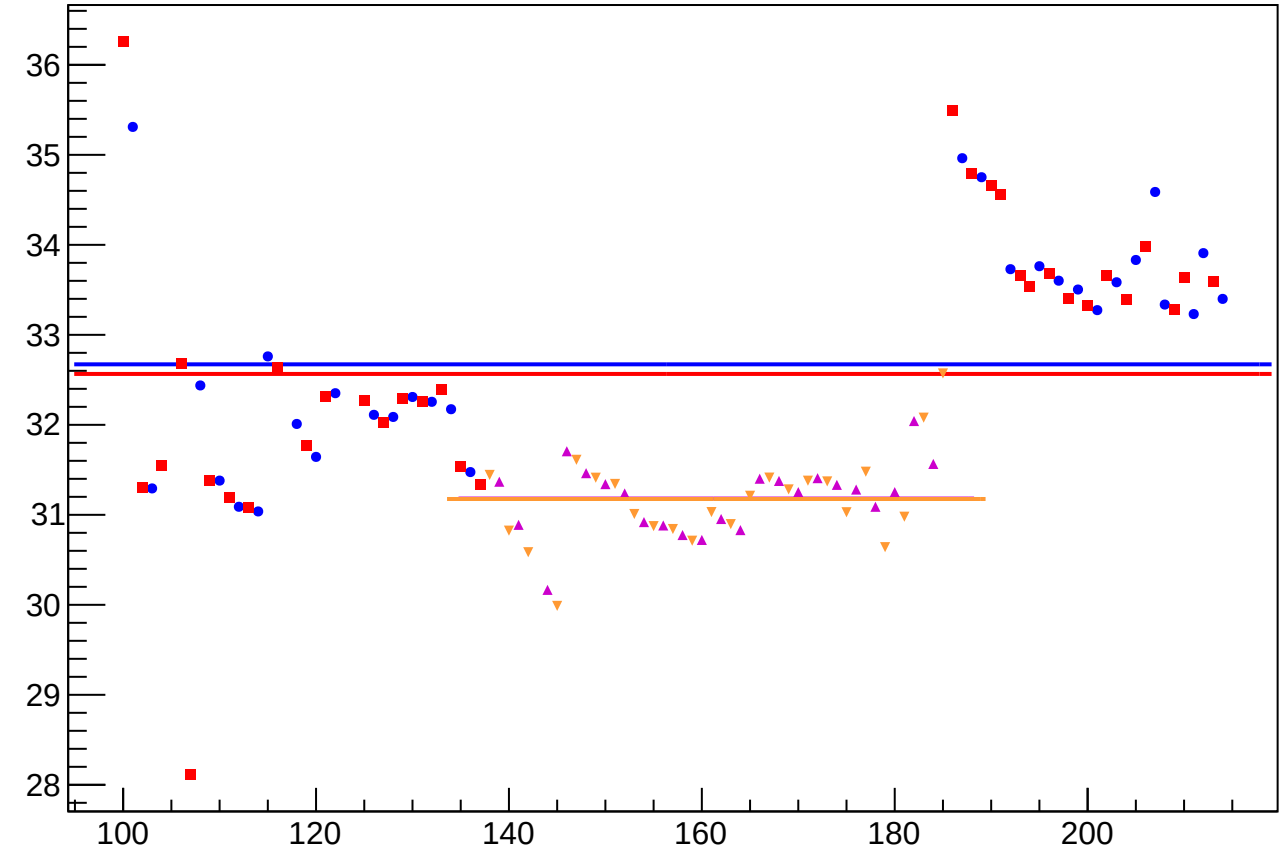
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14551430.6/53

All: 0.000+/-0.000 χ^2/NDF: 29640585.4/108

- sign 0.000+/-0.000 χ^2/NDF: 15024887.7/54

yield_usl_mean vs Slug



Right In: 32.672+/-0.000 χ^2/NDF: 2454775851.2/29

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.565+/-0.000 χ^2/NDF: 2272238488.9/32

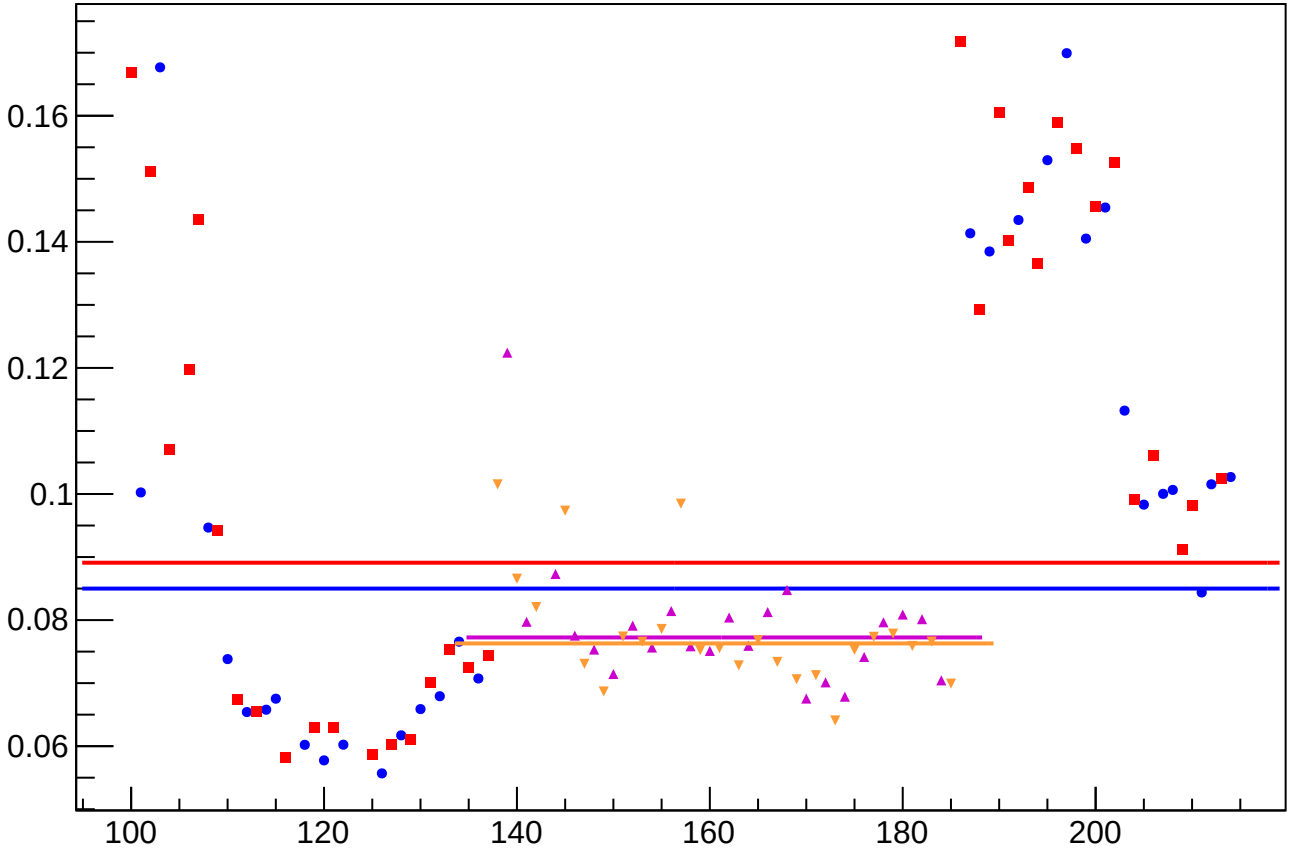
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.815+/-0.000 χ^2/NDF: 5736146163.1/53

All: 31.788+/-0.000 χ^2/NDF: 10613586588.9

- sign 31.760+/-0.000 χ^2/NDF: 4870122187.0/55

yield_usl_rms vs Slug



Right In: 0.085+/-0.000 χ^2/NDF: 3543588.2/29

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.089+/-0.000 χ^2/NDF: 3988023.3/32

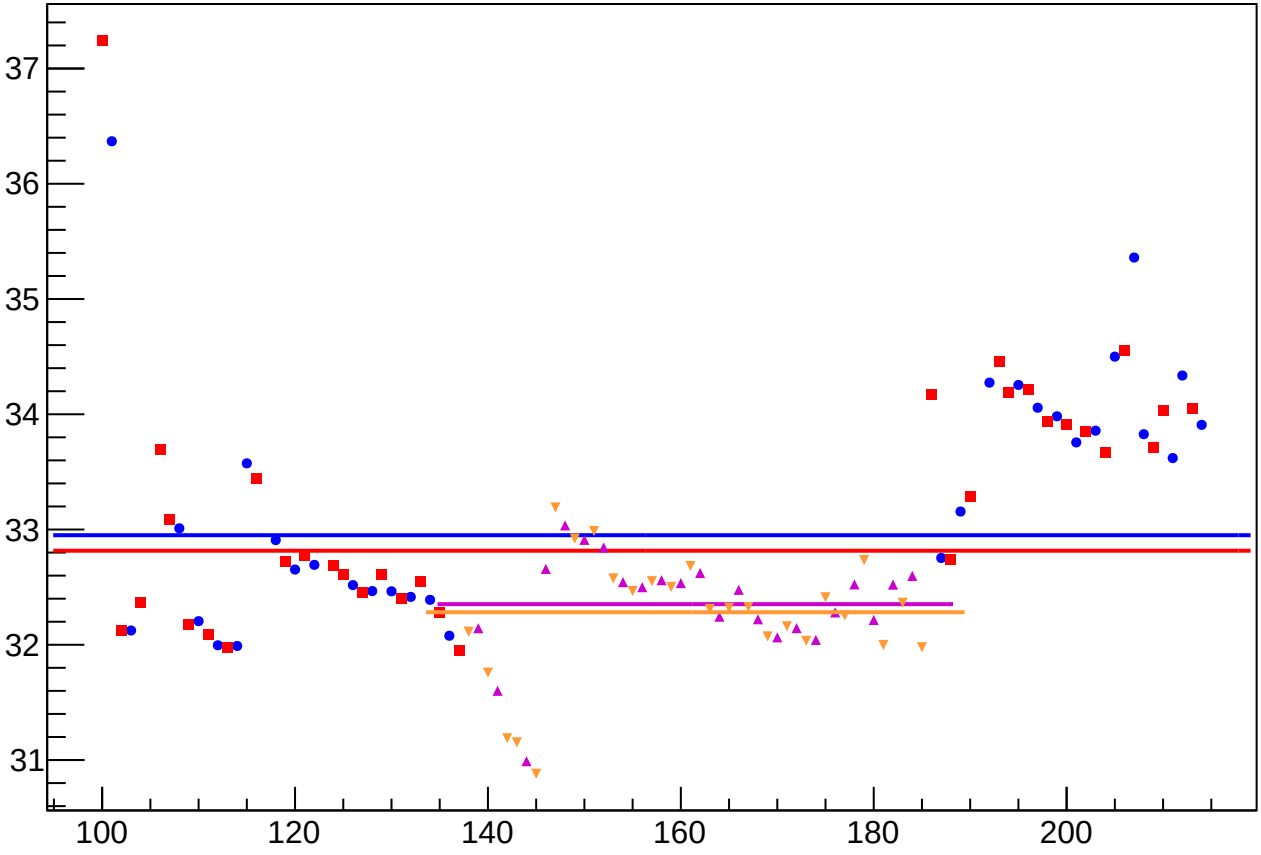
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.080+/-0.000 χ^2/NDF: 4086503.6/53

All: 0.081+/-0.000 χ^2/NDF: 8789038.2/109

- sign 0.082+/-0.000 χ^2/NDF: 4679007.4/55

yield_usr_mean vs Slug



Right In: 32.951+/-0.000 χ^2/NDF: 1210744688.8/29

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.816+/-0.000 χ^2/NDF: 612860184.7/32

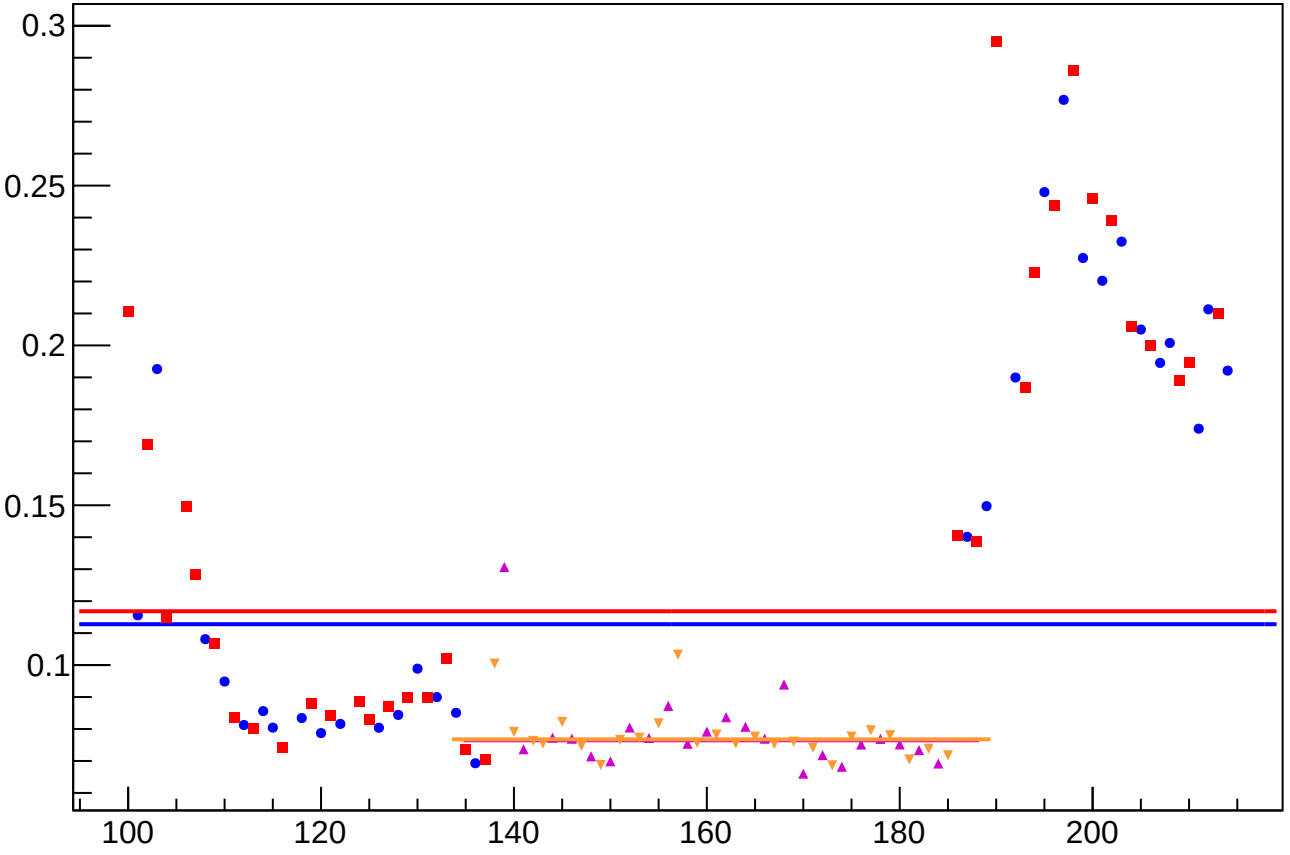
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.462+/-0.000 χ^2/NDF: 2408993066.3/54

All: 32.469+/-0.000 χ^2/NDF: 3778748328.3/1

- sign 32.477+/-0.000 χ^2/NDF: 1369259594.6/55

yield_usr_rms vs Slug



Right In: 0.113+/-0.000 χ^2/NDF: 6216493.4/29

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6036615.4/32

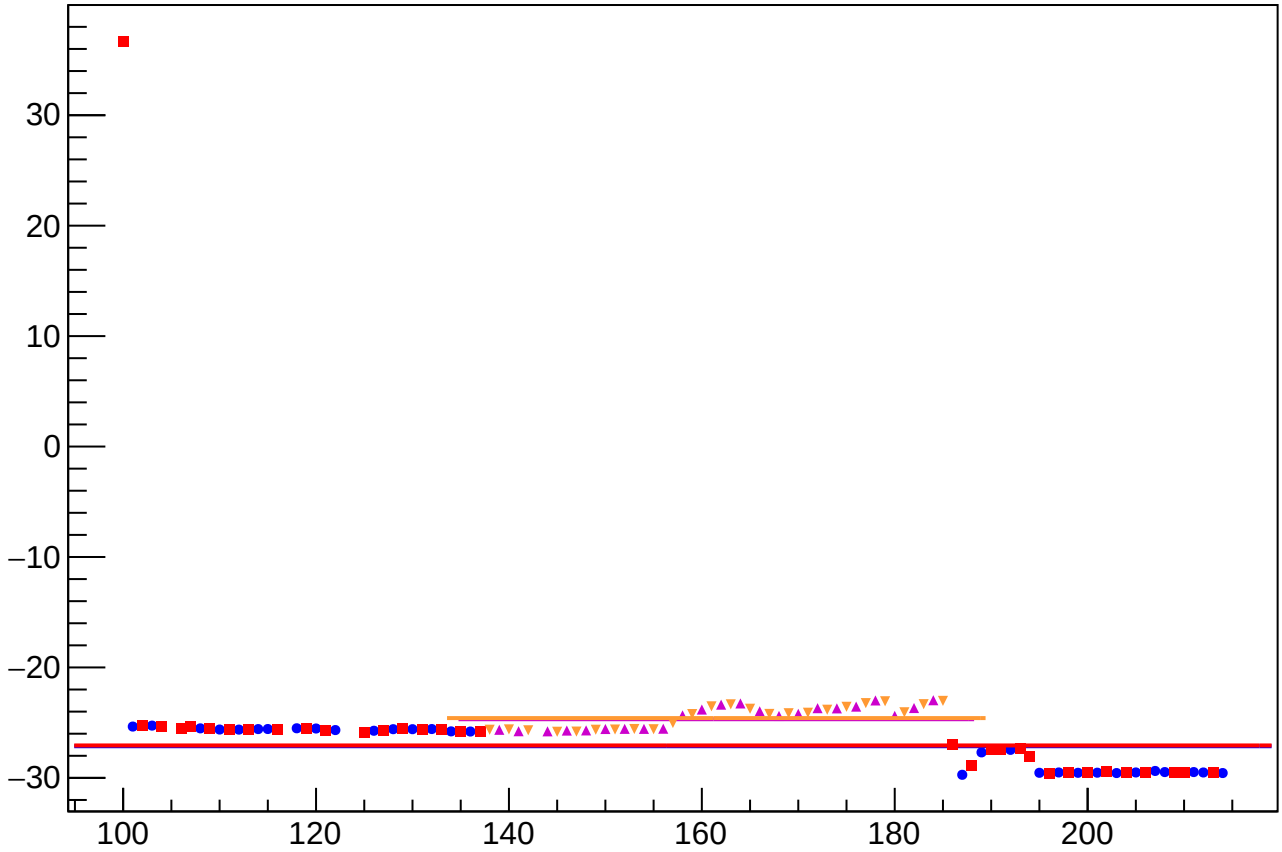
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 8553058.9/54

All: 0.087+/-0.000 χ^2/NDF: 17599860.0/110

- sign 0.087+/-0.000 χ^2/NDF: 9043480.9/55

yield_dsl_mean vs Slug



Right In: -27.135+/-0.000 χ^2/NDF: 24806690139.3/29

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.063+/-0.000 χ^2/NDF: 32501453225.3/32

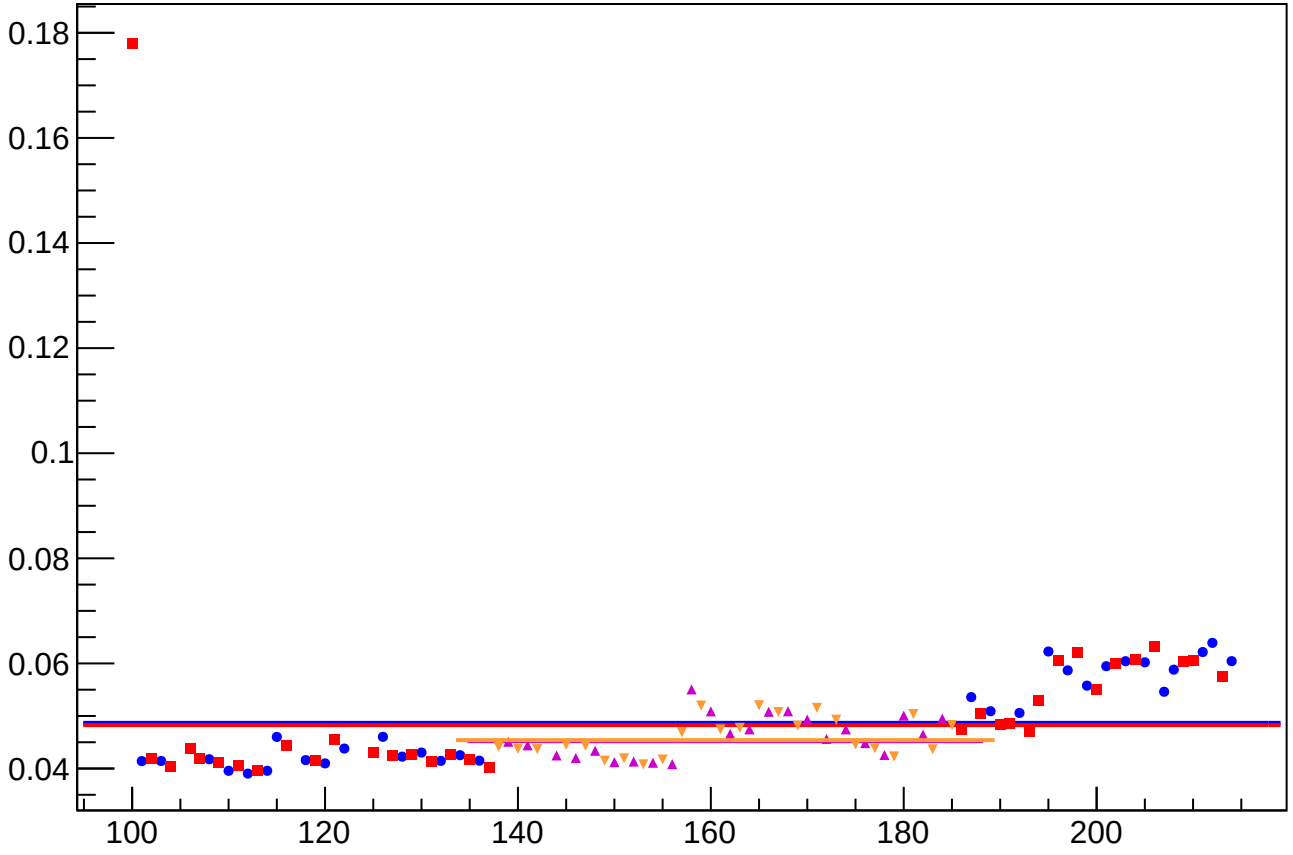
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.746+/-0.000 χ^2/NDF: 59752606227.2/53

All: -25.773+/-0.000 χ^2/NDF: 12409438682

- sign -25.800+/-0.000 χ^2/NDF: 64317561146.0/55

yield_dsl_rms vs Slug



Right In: 0.049+/-0.000 χ^2/NDF: 1041065.3/29

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 1036042.9/32

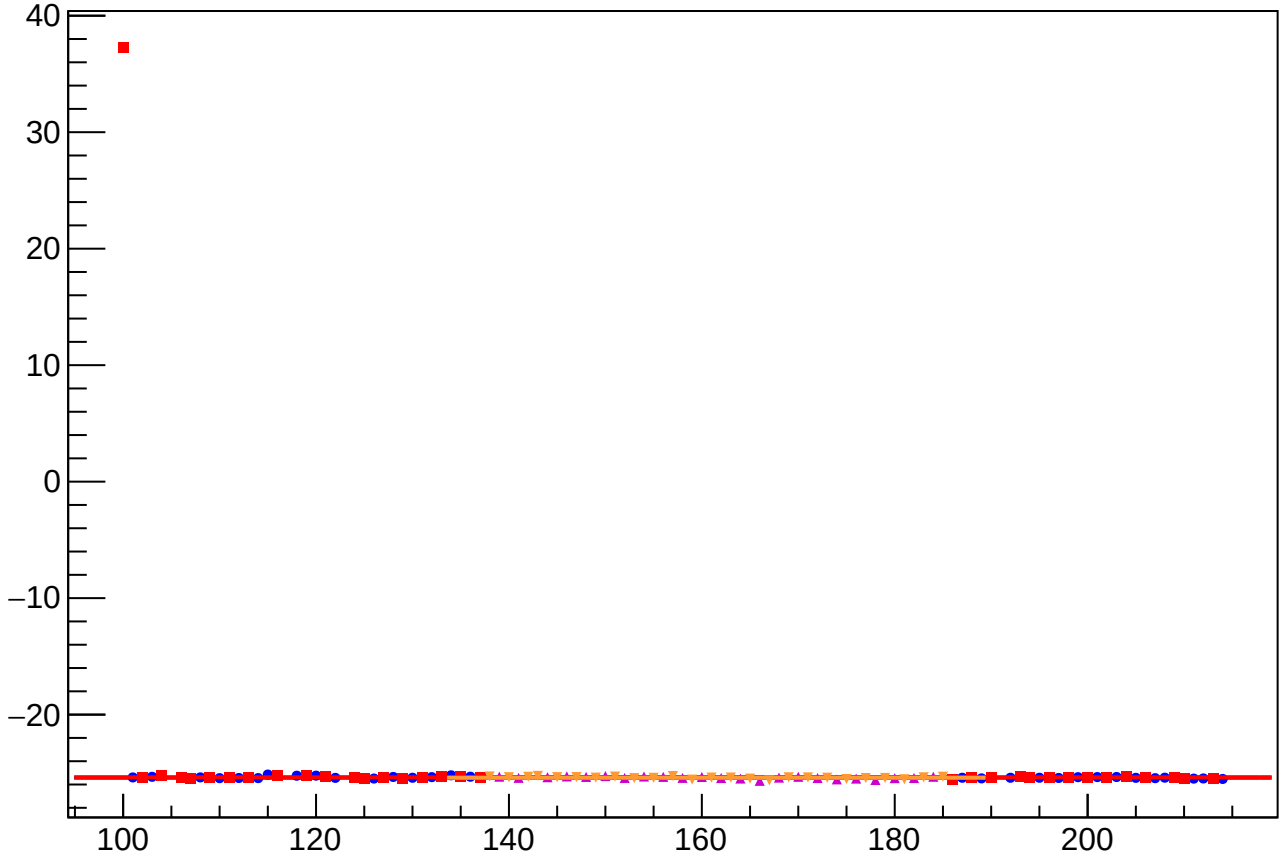
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.047+/-0.000 χ^2/NDF: 1332404.9/53

All: 0.047+/-0.000 χ^2/NDF: 2690433.2/109

- sign 0.047+/-0.000 χ^2/NDF: 1356891.3/55

yield_dsr_mean vs Slug



Right In: -25.408+/-0.000 χ^2/NDF: 31766993.8/29

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.385+/-0.000 χ^2/NDF: 6345466680.6/32

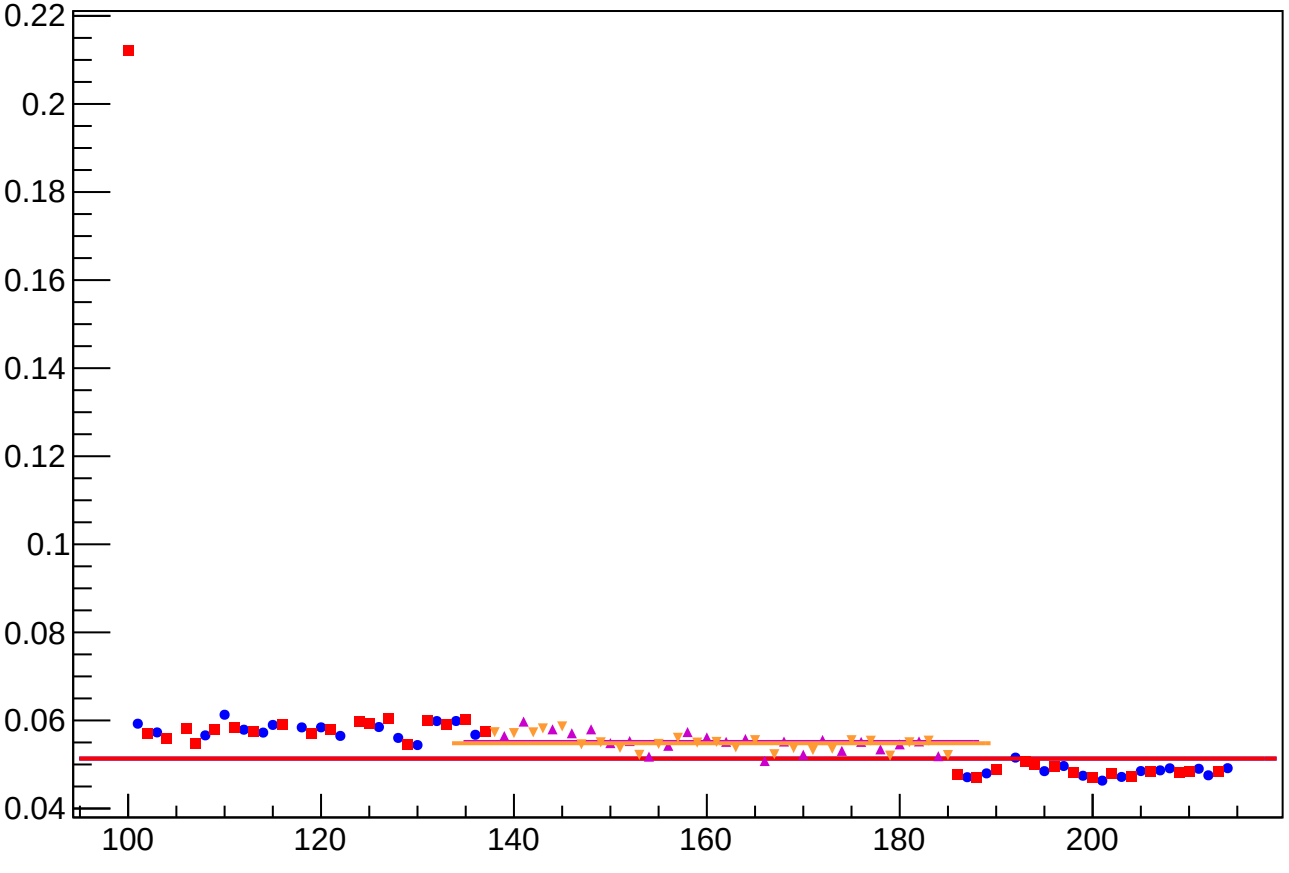
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.412+/-0.000 χ^2/NDF: 84227869.4/54

All: -25.405+/-0.000 χ^2/NDF: 6489616646.1/

- sign -25.398+/-0.000 χ^2/NDF: 6404105170.0/55

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 273208.0/29

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

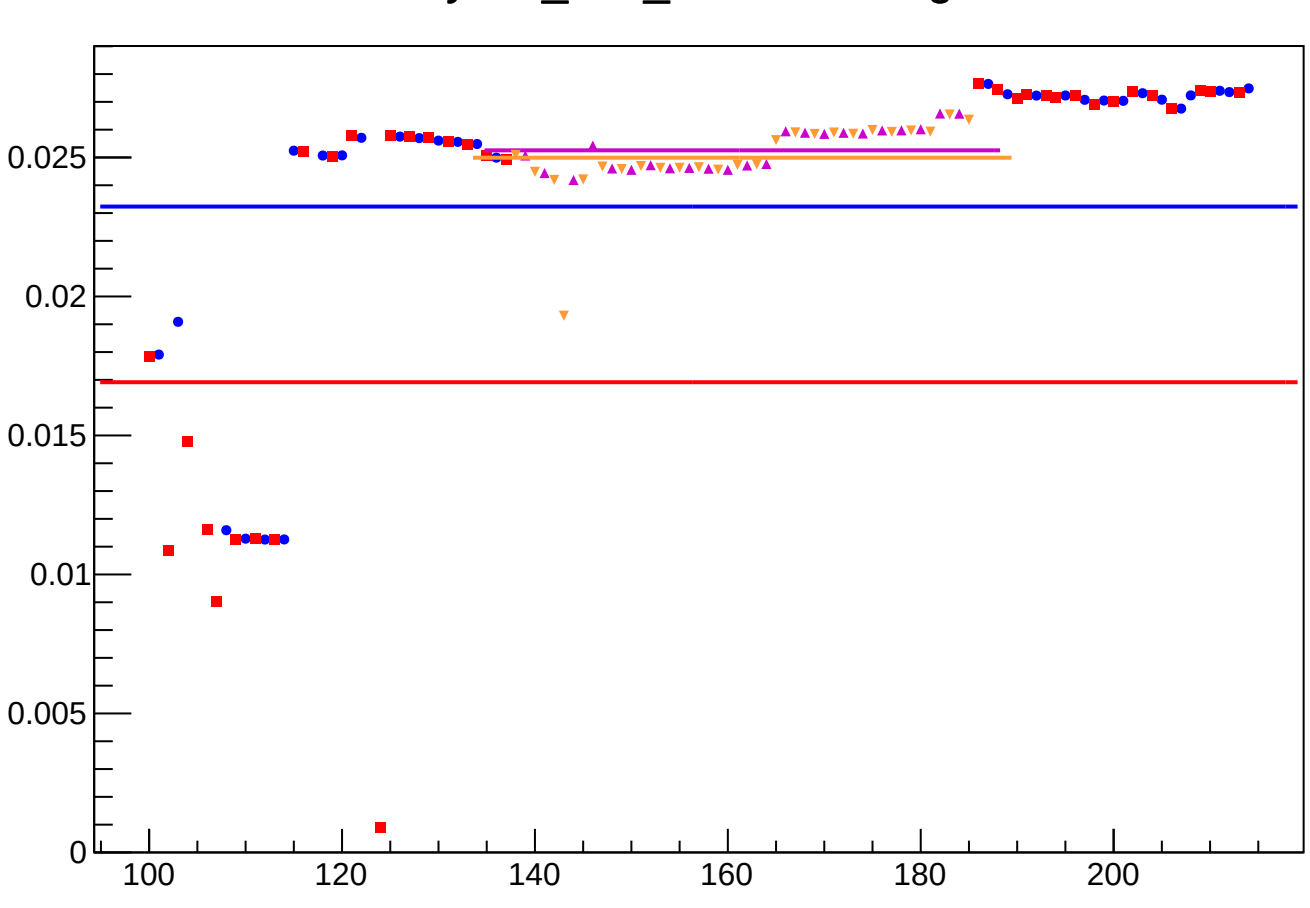
Right Out: 0.051+/-0.000 χ^2/NDF: 375652.6/32

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 389445.9/54

All: 0.053+/-0.000 χ^2/NDF: 906358.3/110

- sign 0.053+/-0.000 χ^2/NDF: 516873.8/55



Right In: 0.023+/-0.000 χ^2/NDF: 99944292270.1/29

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.017+/-0.000 χ^2/NDF: 472010467401.3/33

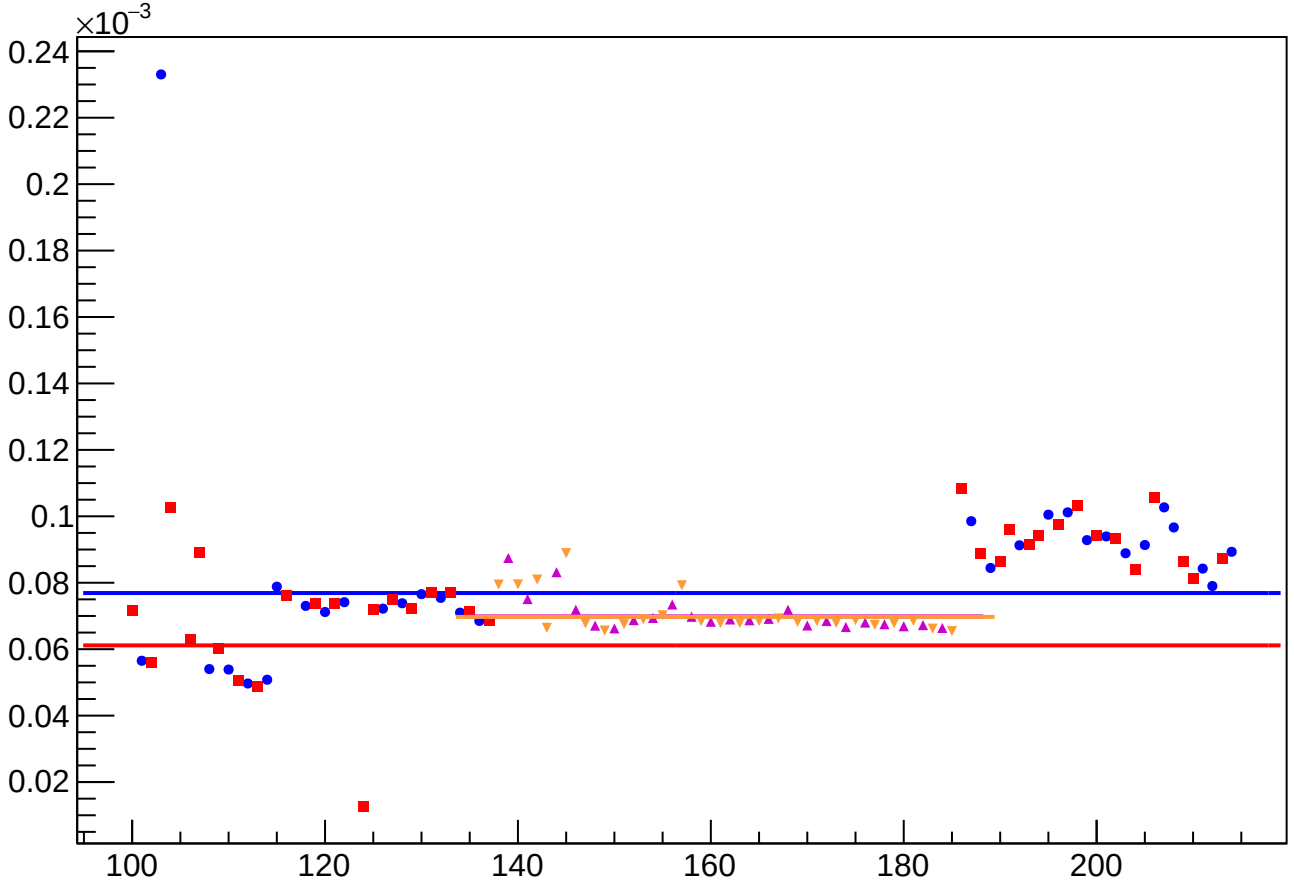
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 112907669550.7/54

All: 0.023+/-0.000 χ^2/NDF: 755761551817.6

- sign 0.021+/-0.000 χ^2/NDF: 605002254362.0/56

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1929292.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

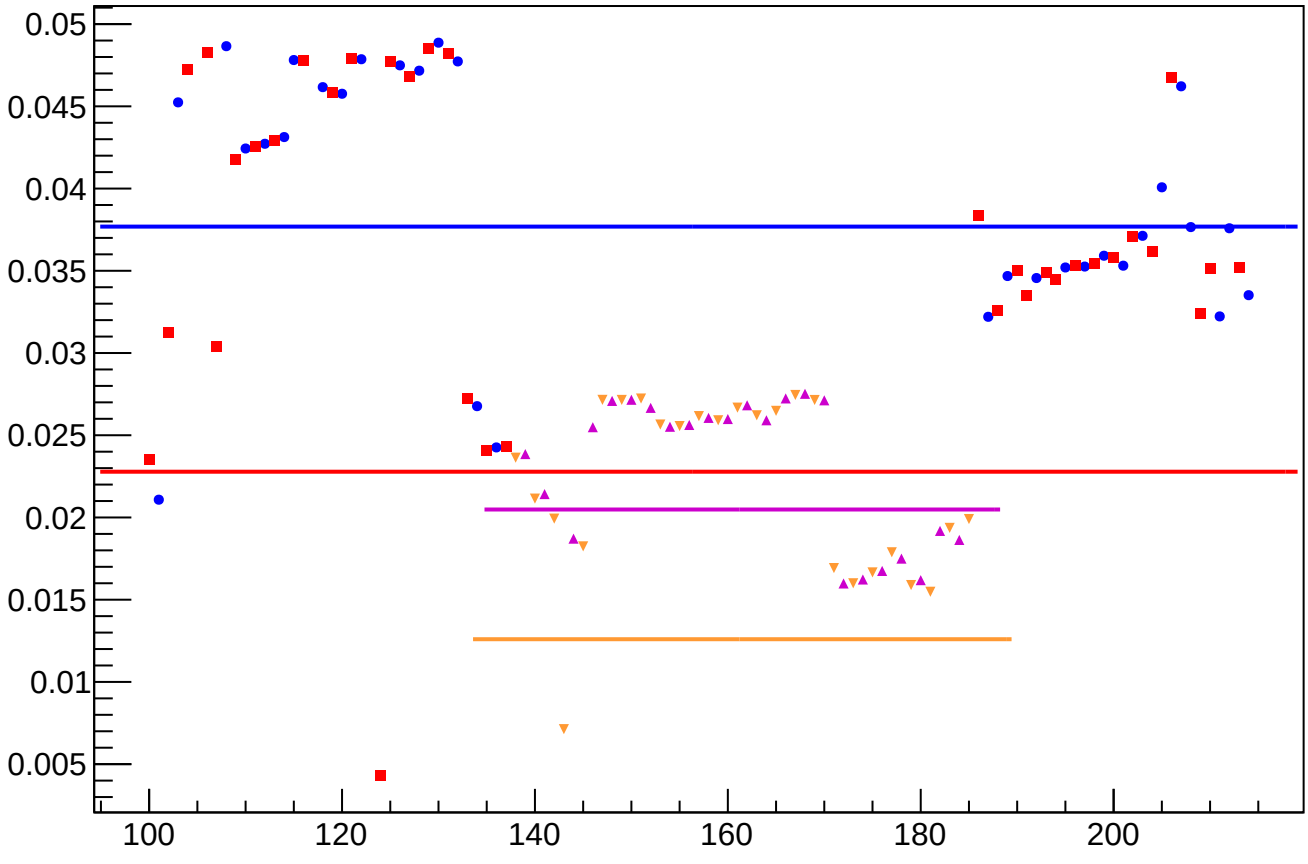
Right Out: 0.000+/-0.000 χ^2/NDF: 7744261.8/33

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2286910.5/54

All: 0.000+/-0.000 χ^2/NDF: 10856145.2/111

- sign 0.000+/-0.000 χ^2/NDF: 8183882.0/56



Right In: 0.038+/-0.000 χ^2/NDF: 7439873511.4/29

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

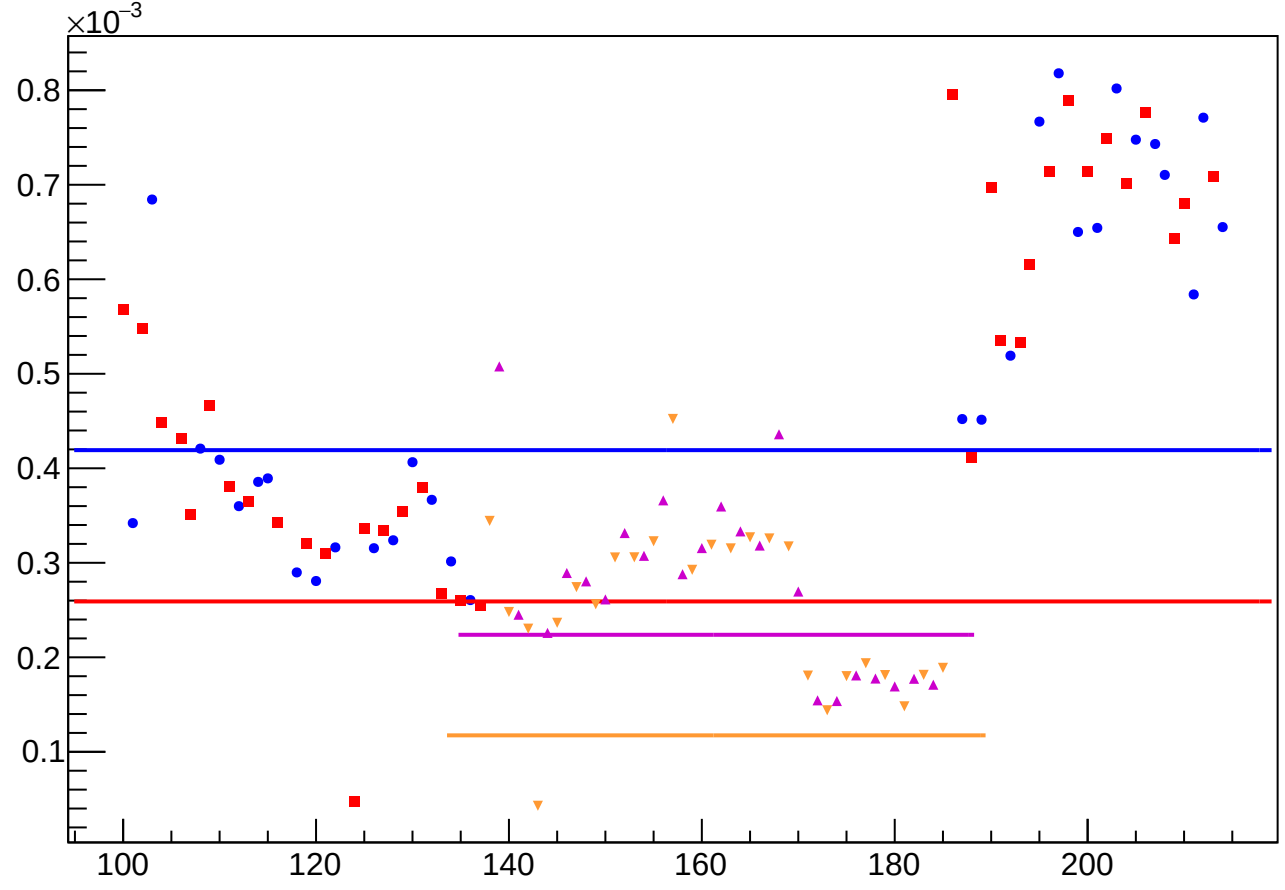
Right Out: 0.023+/-0.000 χ^2/NDF: 47569531909.0/33

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 92125714497.1/54

All: 0.017+/-0.000 χ^2/NDF: 157364354321.0

- sign 0.021+/-0.000 χ^2/NDF: 54195766019.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 4717202.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

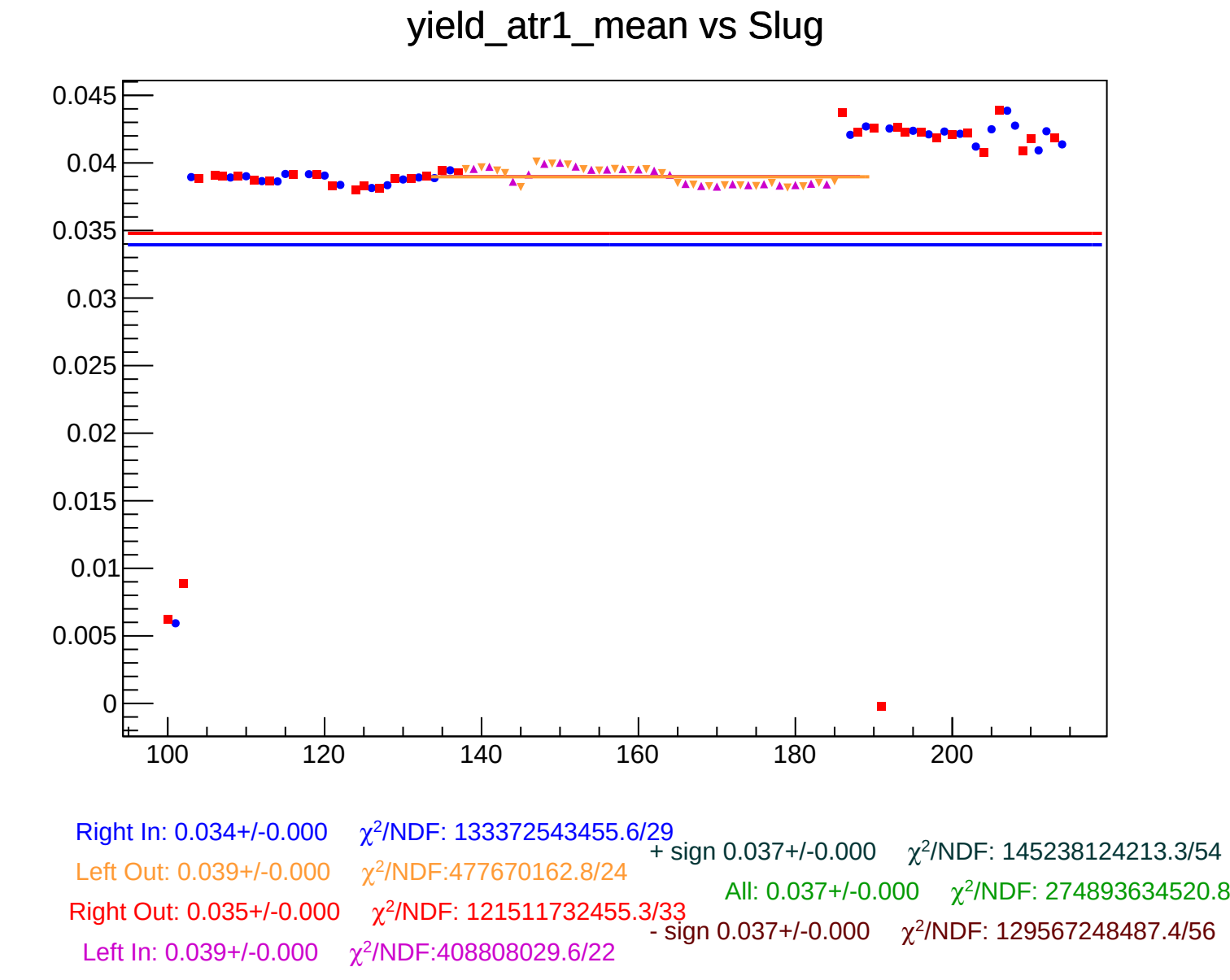
Right Out: 0.000+/-0.000 χ^2/NDF: 15240971.7/33

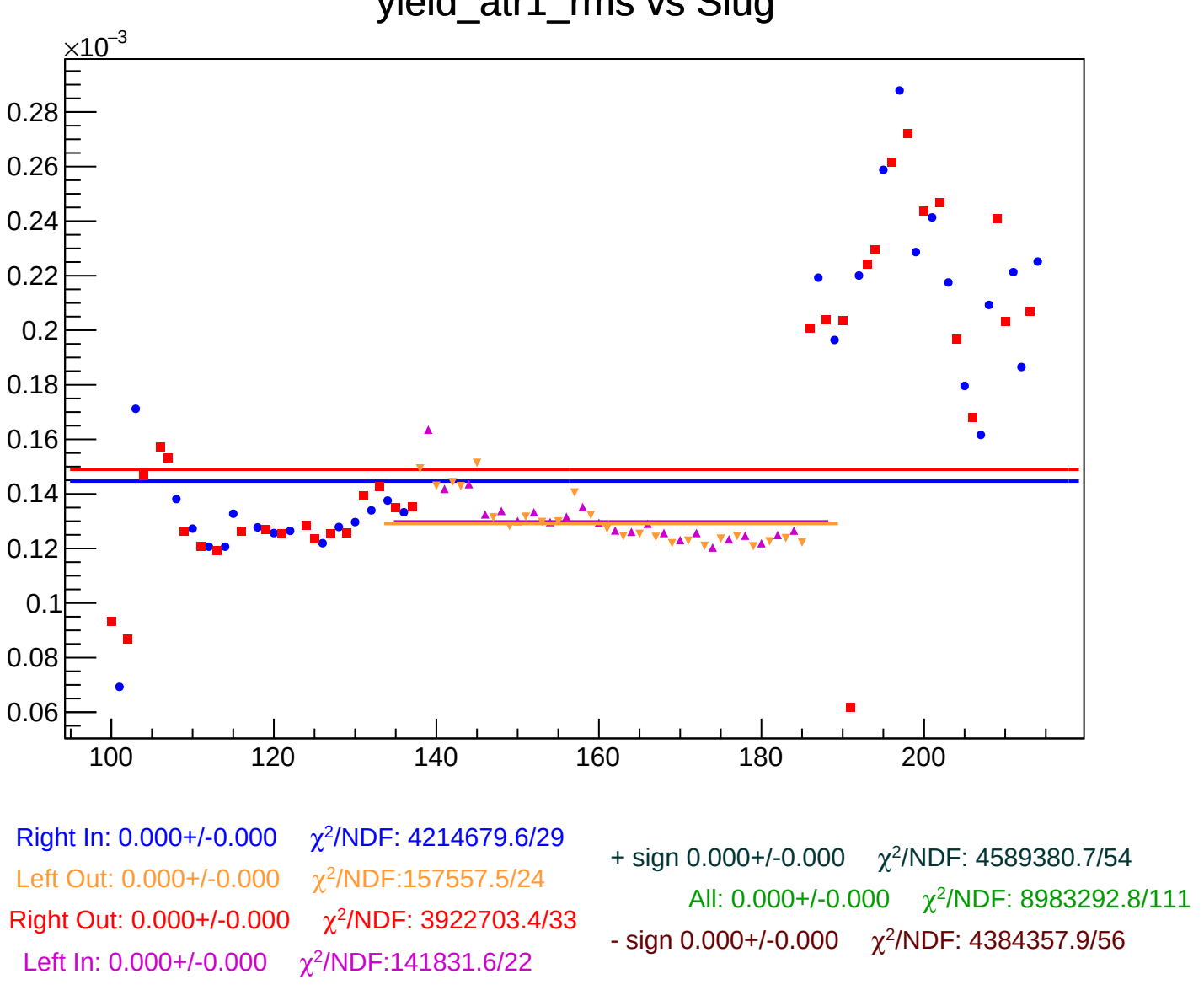
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 32807458.2/54

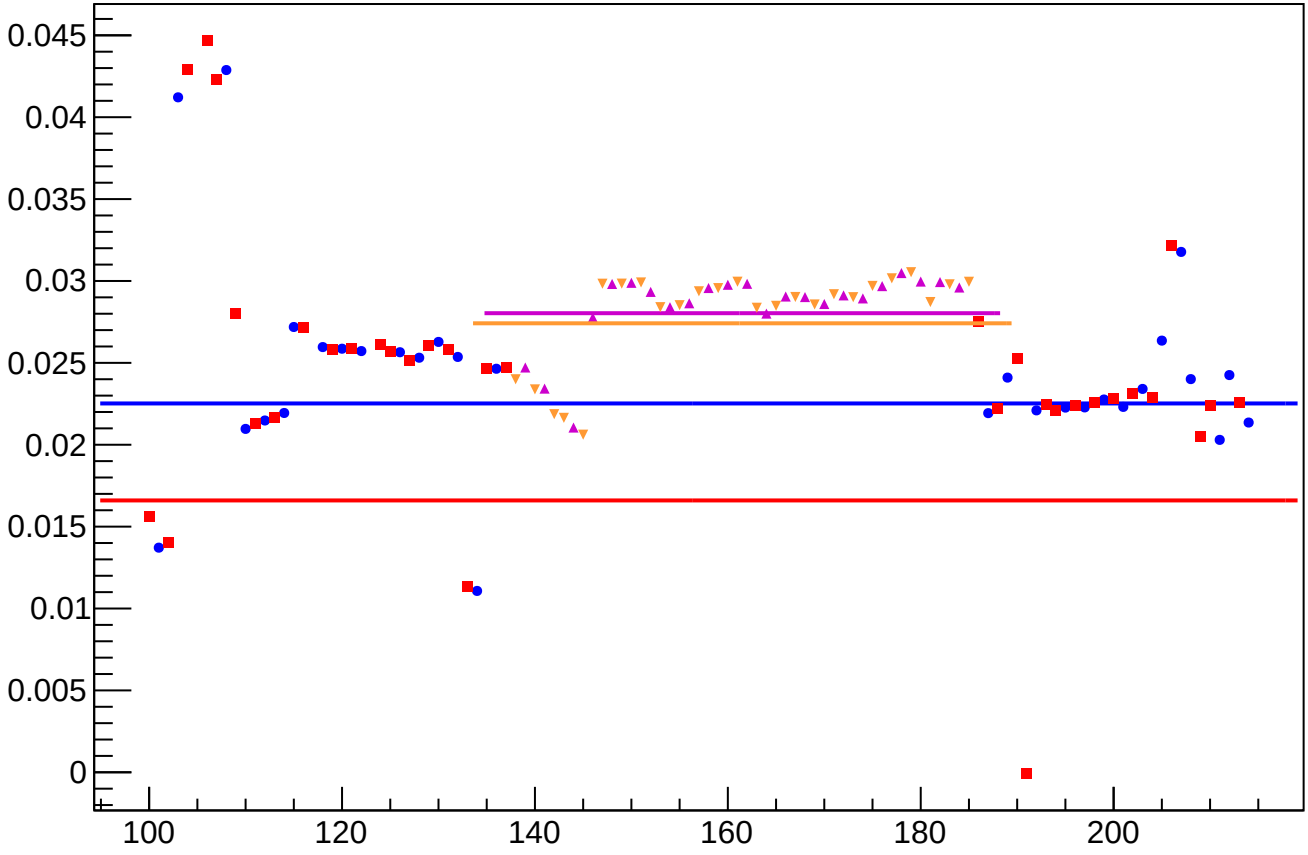
All: 0.000+/-0.000 χ^2/NDF: 56212464.1/111

- sign 0.000+/-0.000 χ^2/NDF: 18877413.0/56


yield_atr1_mean vs Slug
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.034+/-0.000 χ²/NDF: 133372543455.6/29
Left Out: 0.039+/-0.000 χ²/NDF:477670162.8/24
Right Out: 0.035+/-0.000 χ²/NDF: 121511732455.3/33
Left In: 0.039+/-0.000 χ²/NDF:408808029.6/22
+ sign 0.037+/-0.000 χ²/NDF: 145238124213.3/54
All: 0.037+/-0.000 χ²/NDF: 274893634520.8
- sign 0.037+/-0.000 χ²/NDF: 129567248487.4/56


yield_atr1_rms vs Slug
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4214679.6/29
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3922703.4/33
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
+ sign 0.000+/-0.000 χ²/NDF: 4589380.7/54
All: 0.000+/-0.000 χ²/NDF: 8983292.8/111
- sign 0.000+/-0.000 χ²/NDF: 4384357.9/56

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5210718251.6/29

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 25818146827.3/33

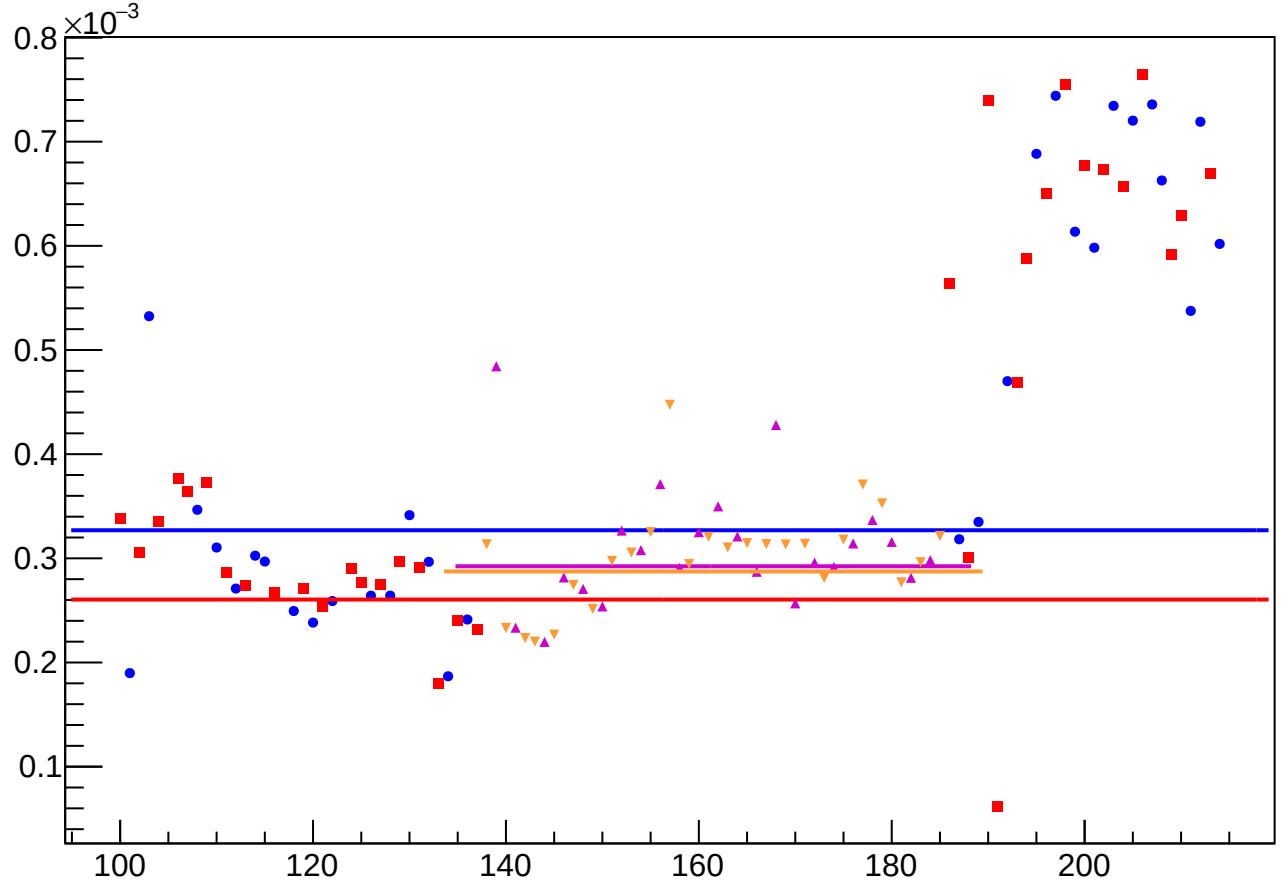
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9348469651.0/54

All: 0.024+/-0.000 χ^2/NDF: 50098160170.4/1

- sign 0.023+/-0.000 χ^2/NDF: 39246779518.3/56

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6554459.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11436991.7/33

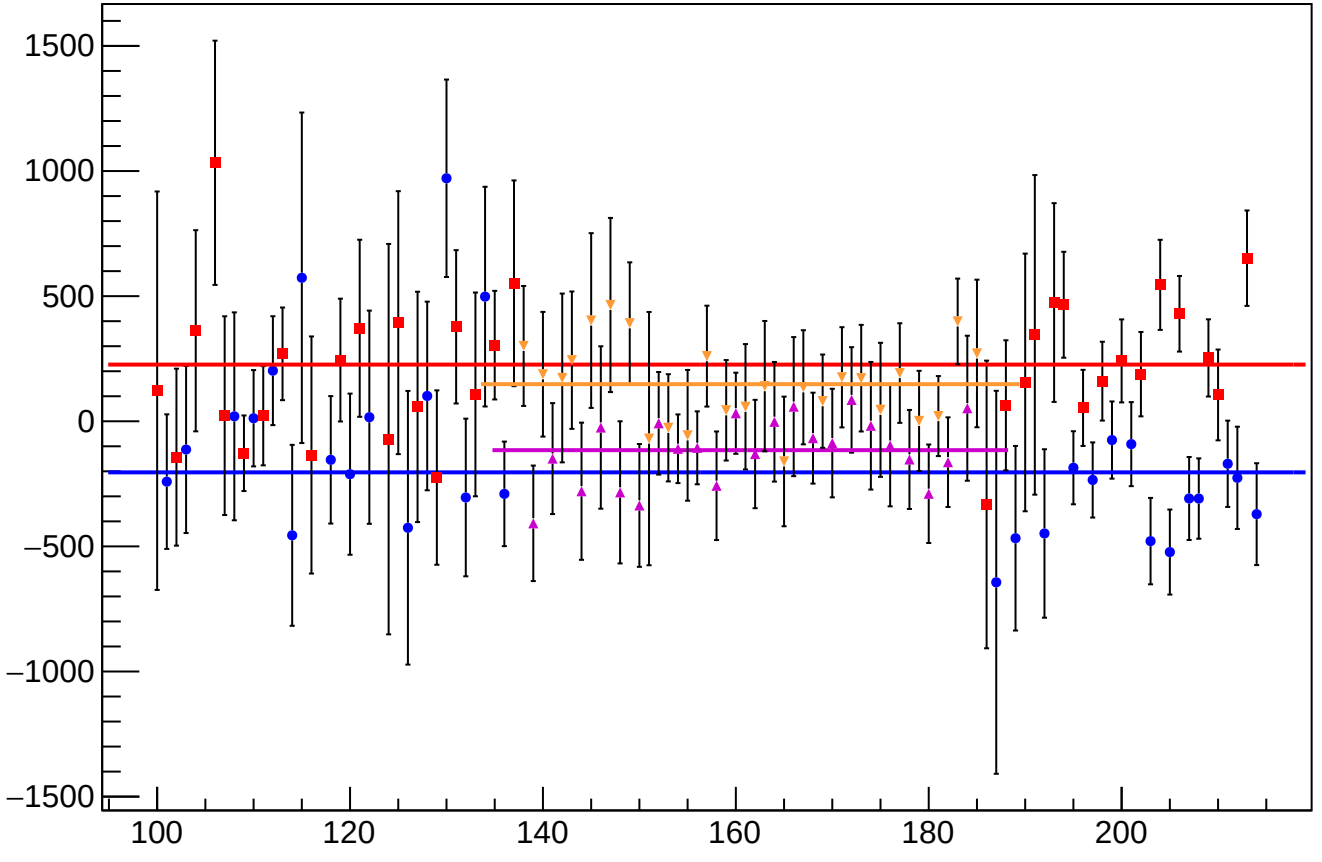
Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 7624160.7/54

All: 0.000+/-0.000 χ^2/NDF: 20441474.5/111

- sign 0.000+/-0.000 χ^2/NDF: 12593807.7/56

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -204.118+/-41.382 χ^2/NDF: 30.0/29

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 226.482+/-40.884 χ^2/NDF: 29.7/33

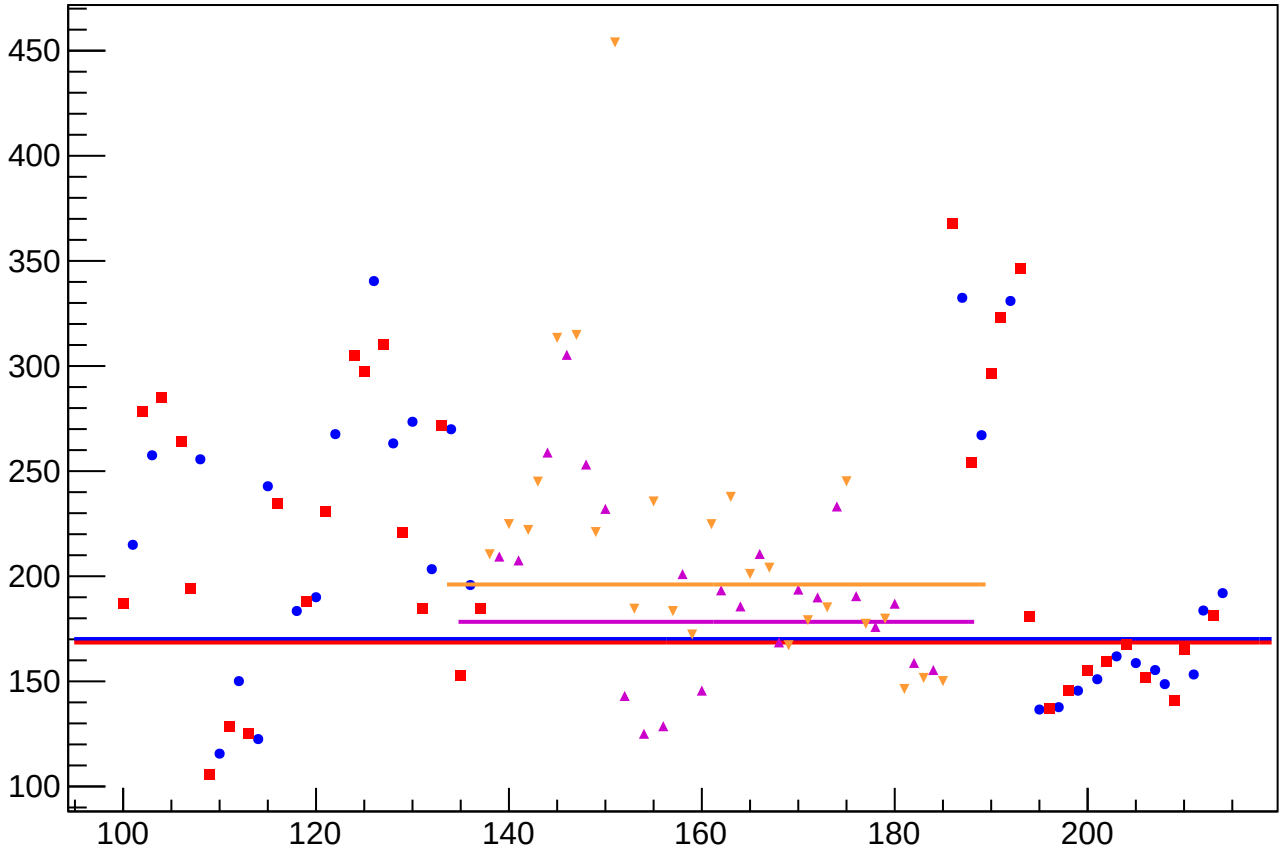
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -47.321+/-30.830 χ^2/NDF: 72.6/54

All: 11.424+/-21.432 χ^2/NDF: 149.9/111

- sign 66.355+/-29.813 χ^2/NDF: 70.2/56

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 170.134+/-0.029 χ^2/NDF: 2316903.9/29

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

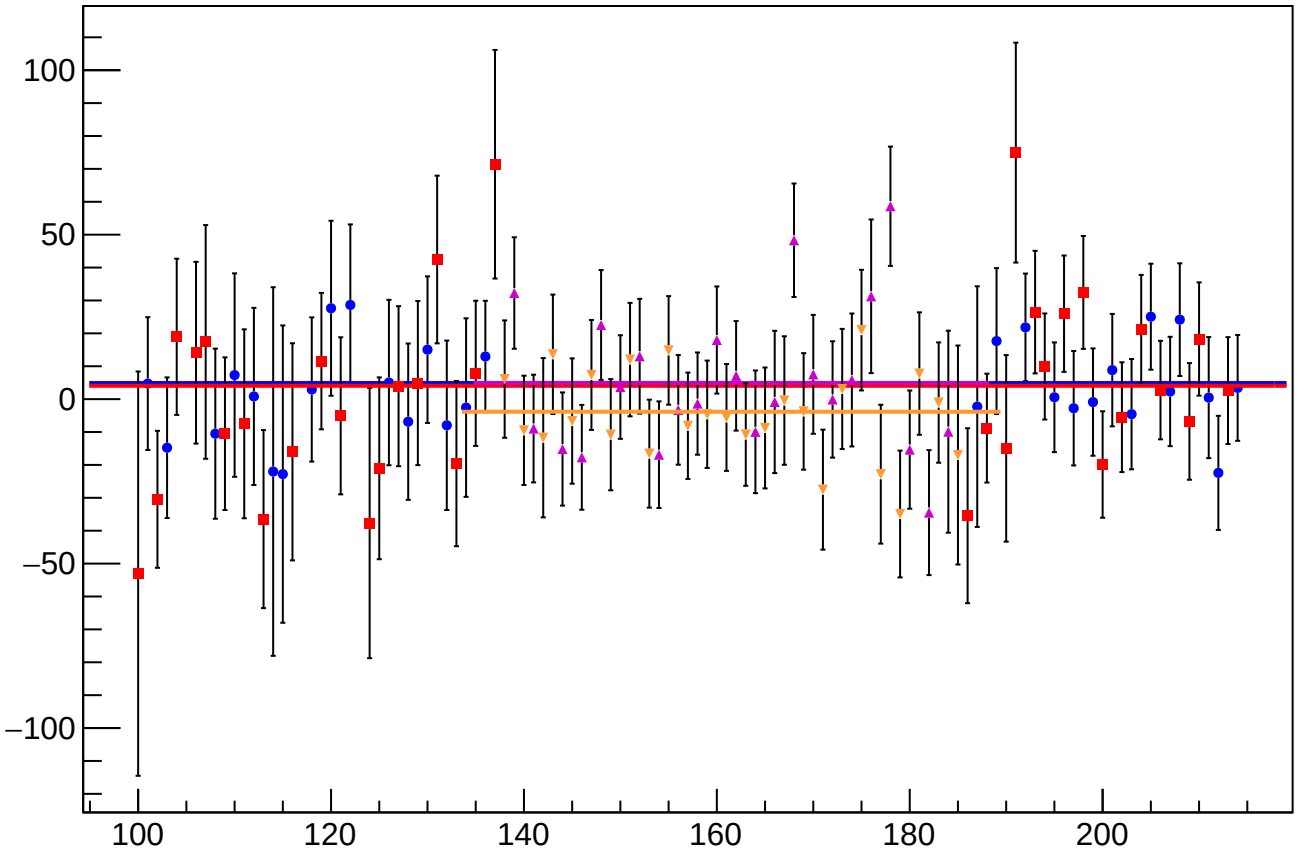
Right Out: 168.485+/-0.029 χ^2/NDF: 3011389.8/33

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 181.682+/-0.022 χ^2/NDF: 4485392.8/54

All: 177.241+/-0.015 χ^2/NDF: 9309581.6/111

- sign 173.089+/-0.021 χ^2/NDF: 4743901.2/56



Right In: 4.894+/-3.742 χ^2/NDF: 12.1/29

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

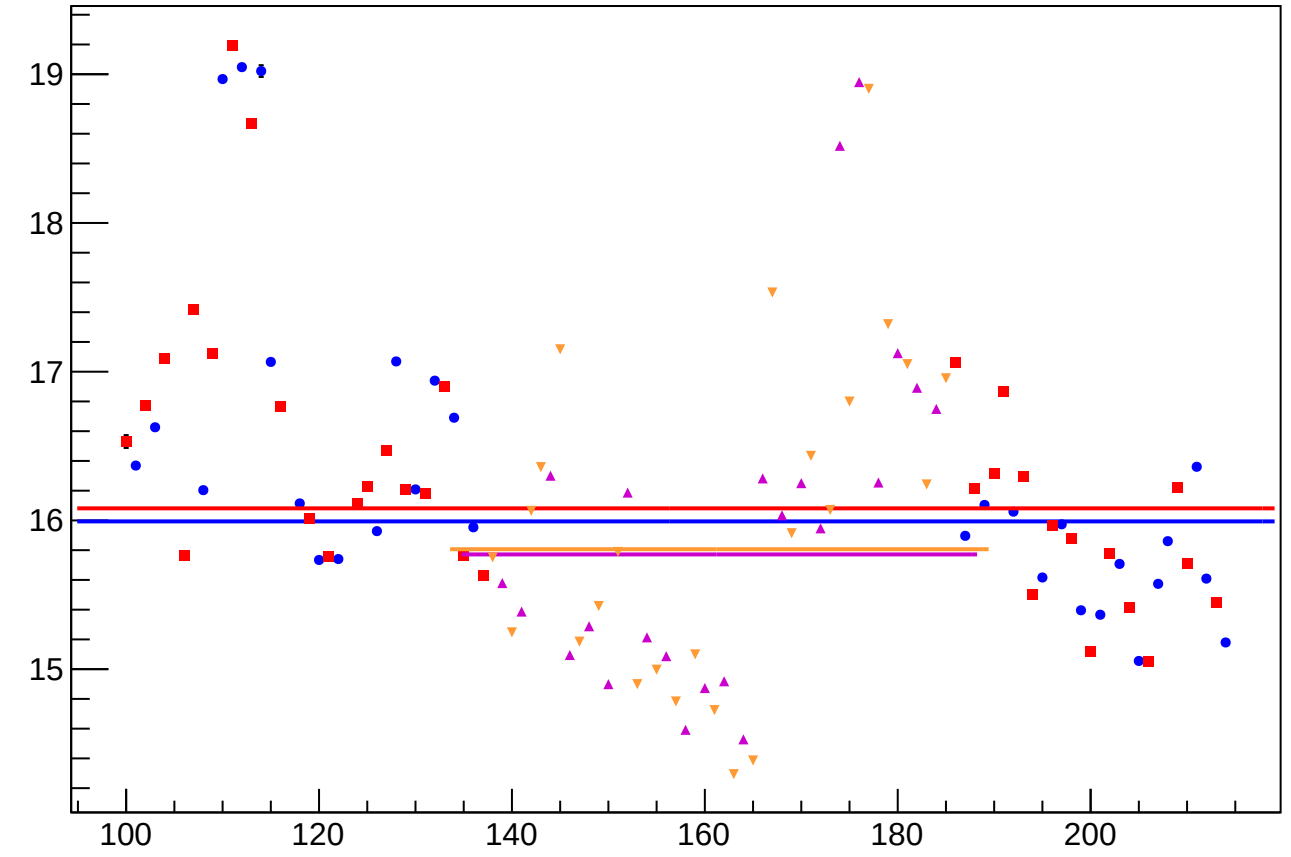
Right Out: 4.059+/-3.690 χ^2/NDF: 34.8/33

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.364+/-2.595 χ^2/NDF: 27.8/54

All: 2.410+/-1.841 χ^2/NDF: 97.7/111

- sign 4.481+/-2.611 χ^2/NDF: 68.7/56



Right In: 15.994+/-0.003 χ^2/NDF: 84713.3/29

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

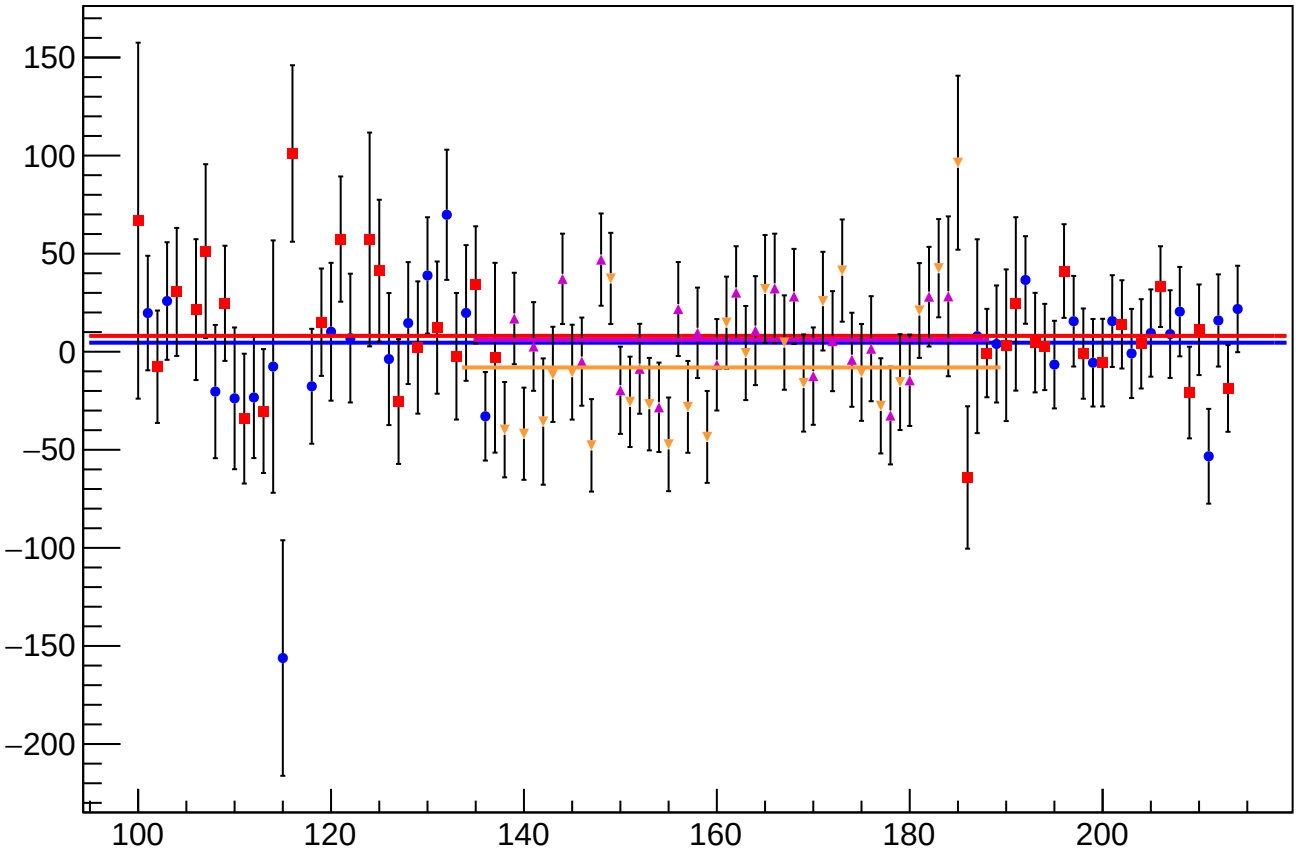
Right Out: 16.081+/-0.003 χ^2/NDF: 91396.4/33

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.896+/-0.002 χ^2/NDF: 259962.9/54

All: 15.911+/-0.001 χ^2/NDF: 510666.8/111

- sign 15.927+/-0.002 χ^2/NDF: 250569.7/56



Right In: 4.605+/-5.008 χ^2/NDF: 29.0/29

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

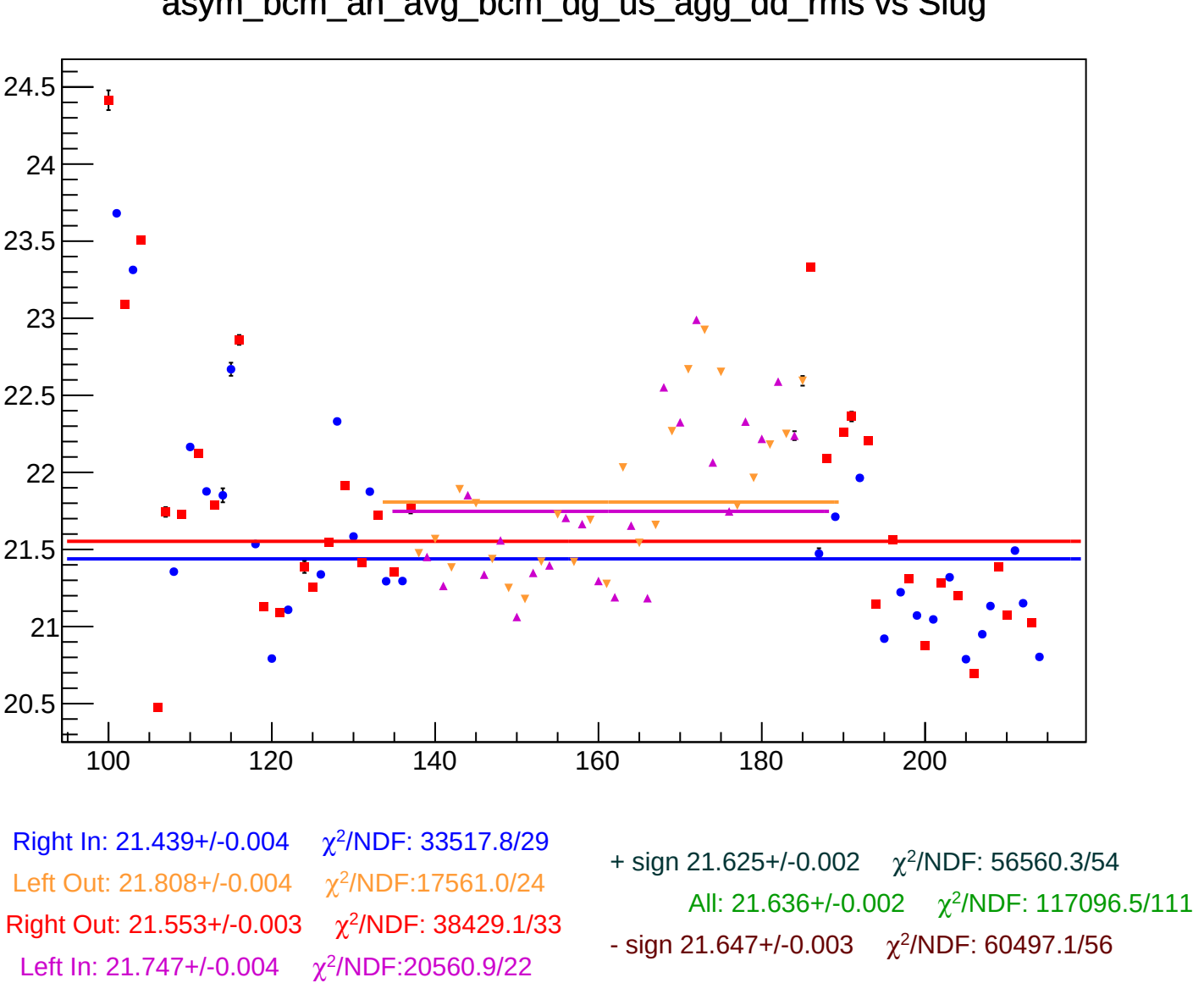
Right Out: 8.075+/-4.938 χ^2/NDF: 27.5/33

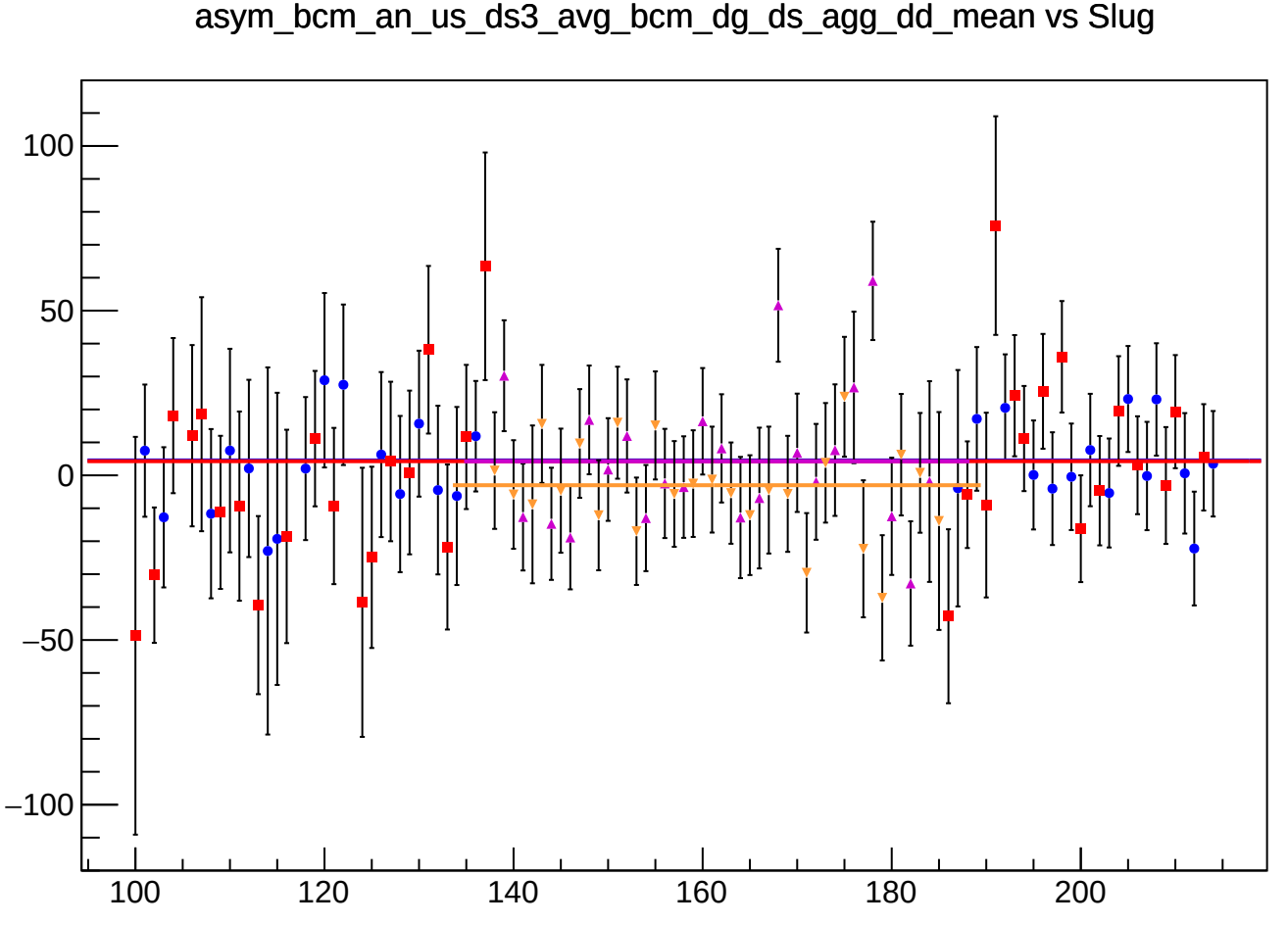
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -1.772+/-3.523 χ^2/NDF: 71.1/54

All: 2.646+/-2.497 χ^2/NDF: 119.8/111

\- sign 7.109+/-3.541 χ^2/NDF: 45.5/56


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug
24.5
24
23.5
23
22.5
22
21.5
21
20.5
100
120
140
160
180
200
Right In: 21.439+/-0.004 χ²/NDF: 33517.8/29
Left Out: 21.808+/-0.004 χ²/NDF:17561.0/24
Right Out: 21.553+/-0.003 χ²/NDF: 38429.1/33
Left In: 21.747+/-0.004 χ²/NDF:20560.9/22
+ sign 21.625+/-0.002 χ²/NDF: 56560.3/54
All: 21.636+/-0.002 χ²/NDF: 117096.5/111
- sign 21.647+/-0.003 χ²/NDF: 60497.1/56



Right In: 4.531+/-3.716 χ^2/NDF: 11.5/29

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

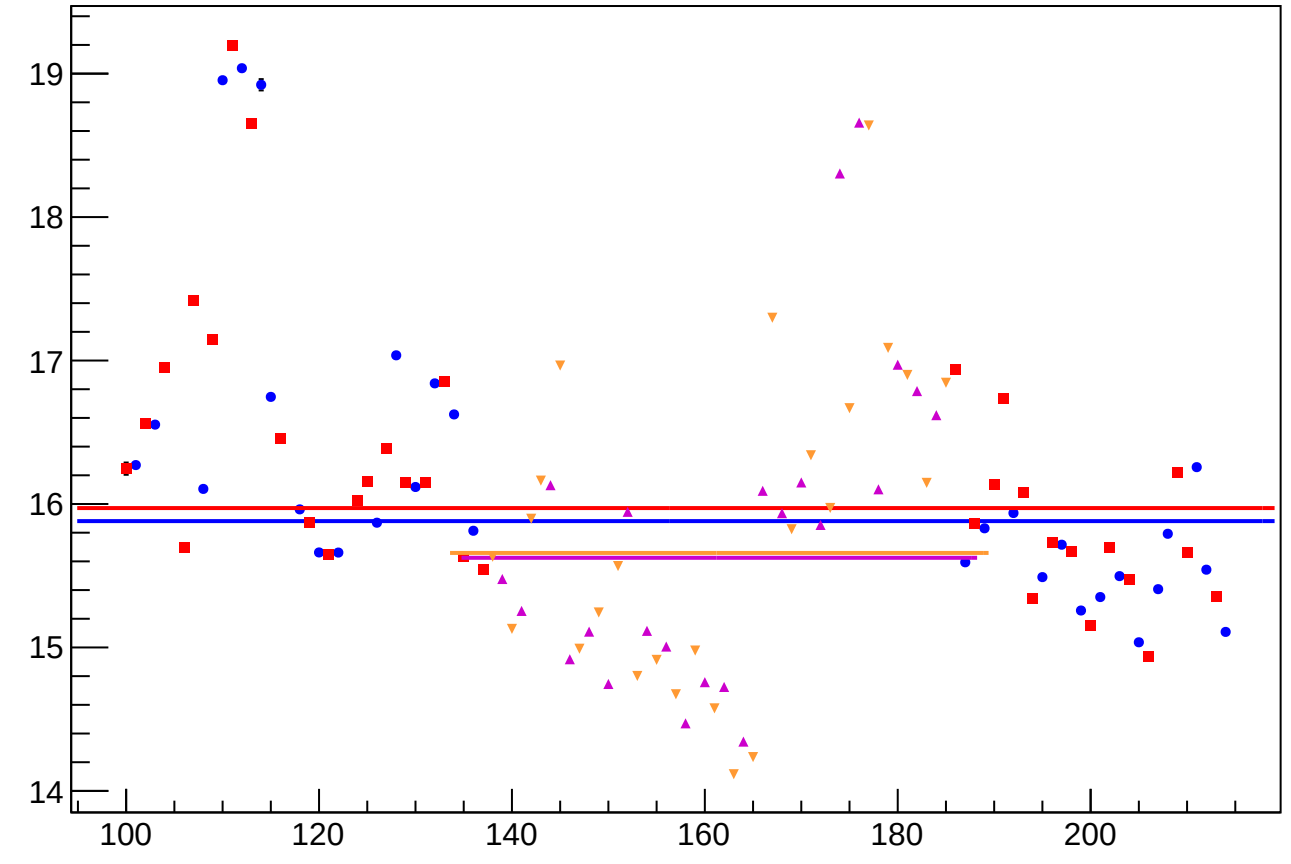
Right Out: 4.291+/-3.665 χ^2/NDF: 35.0/33

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

\+ sign 0.612+/-2.574 χ^2/NDF: 28.3/54

All: 2.430+/-1.826 χ^2/NDF: 98.1/111

\- sign 4.270+/-2.590 χ^2/NDF: 68.9/56



Right In: 15.881+/-0.003 χ^2/NDF: 87507.6/29

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

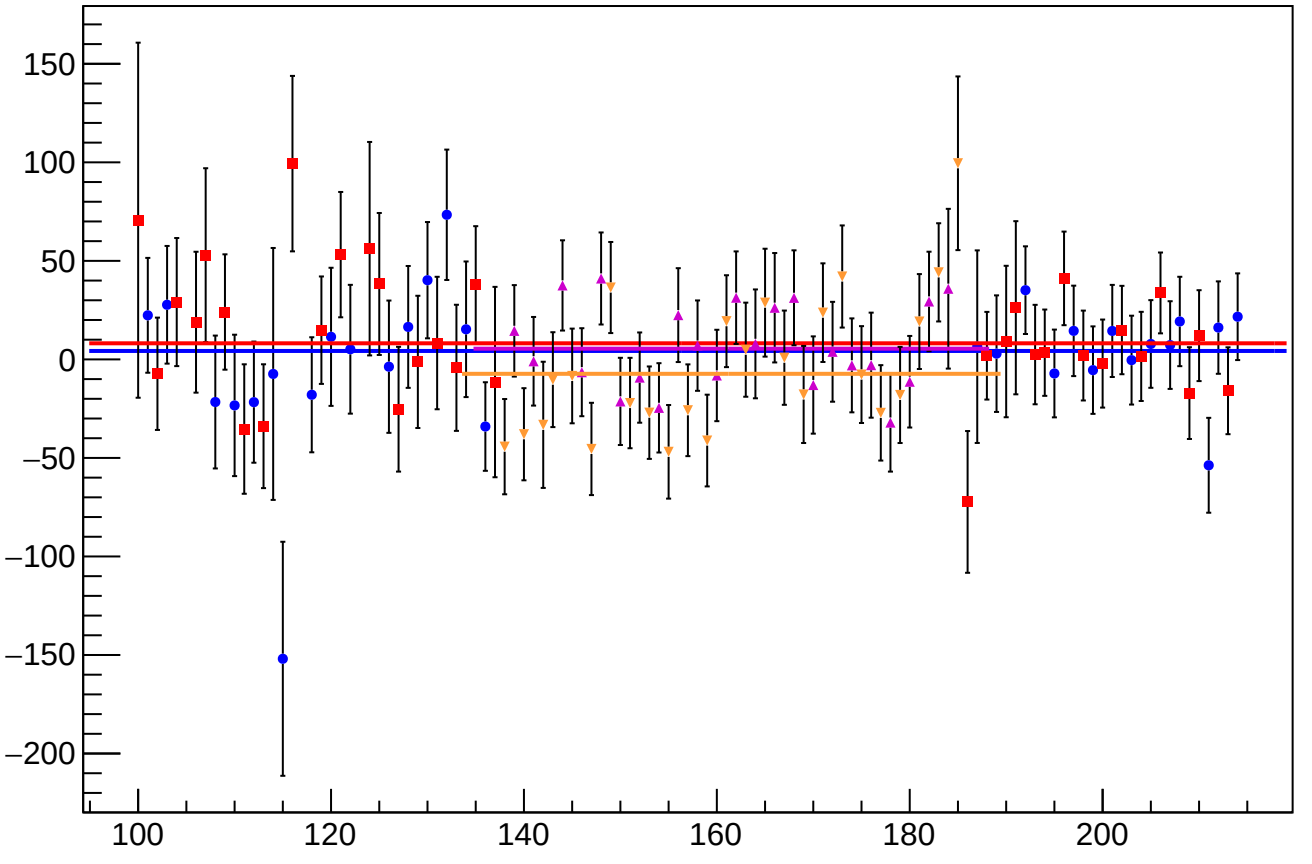
Right Out: 15.972+/-0.003 χ^2/NDF: 92788.2/33

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.765+/-0.002 χ^2/NDF: 261053.9/54

All: 15.782+/-0.001 χ^2/NDF: 513388.2/111

\- sign 15.798+/-0.002 χ^2/NDF: 252173.4/56



Right In: 4.282+/-4.987 χ^2/NDF: 29.5/29

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

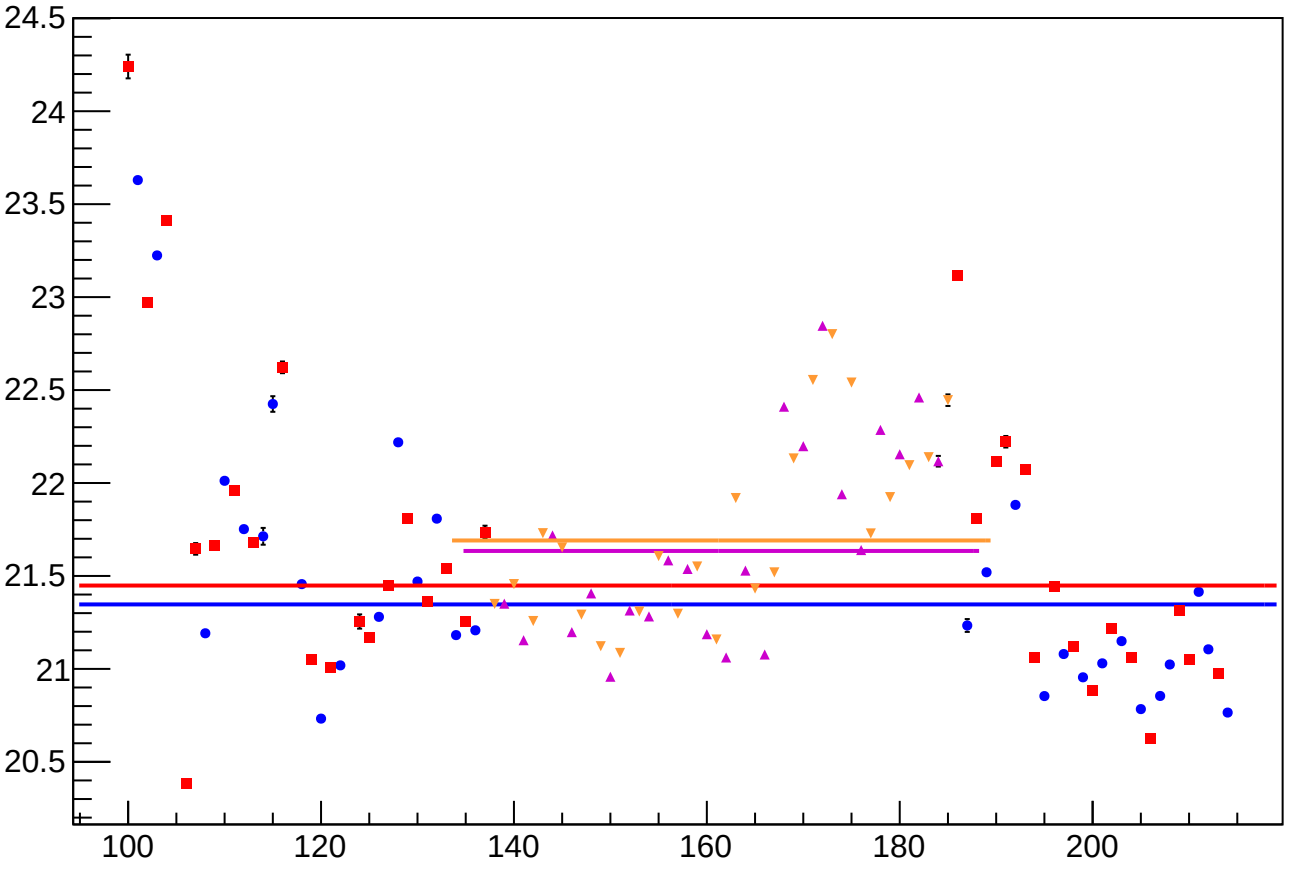
Right Out: 8.169+/-4.914 χ^2/NDF: 28.1/33

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -1.585+/-3.506 χ^2/NDF: 70.9/54

All: 2.607+/-2.485 χ^2/NDF: 119.3/111

- sign 6.840+/-3.523 χ^2/NDF: 45.5/56



Right In: 21.347+/-0.004 χ^2/NDF: 32899.0/29

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.448+/-0.003 χ^2/NDF: 35392.3/33

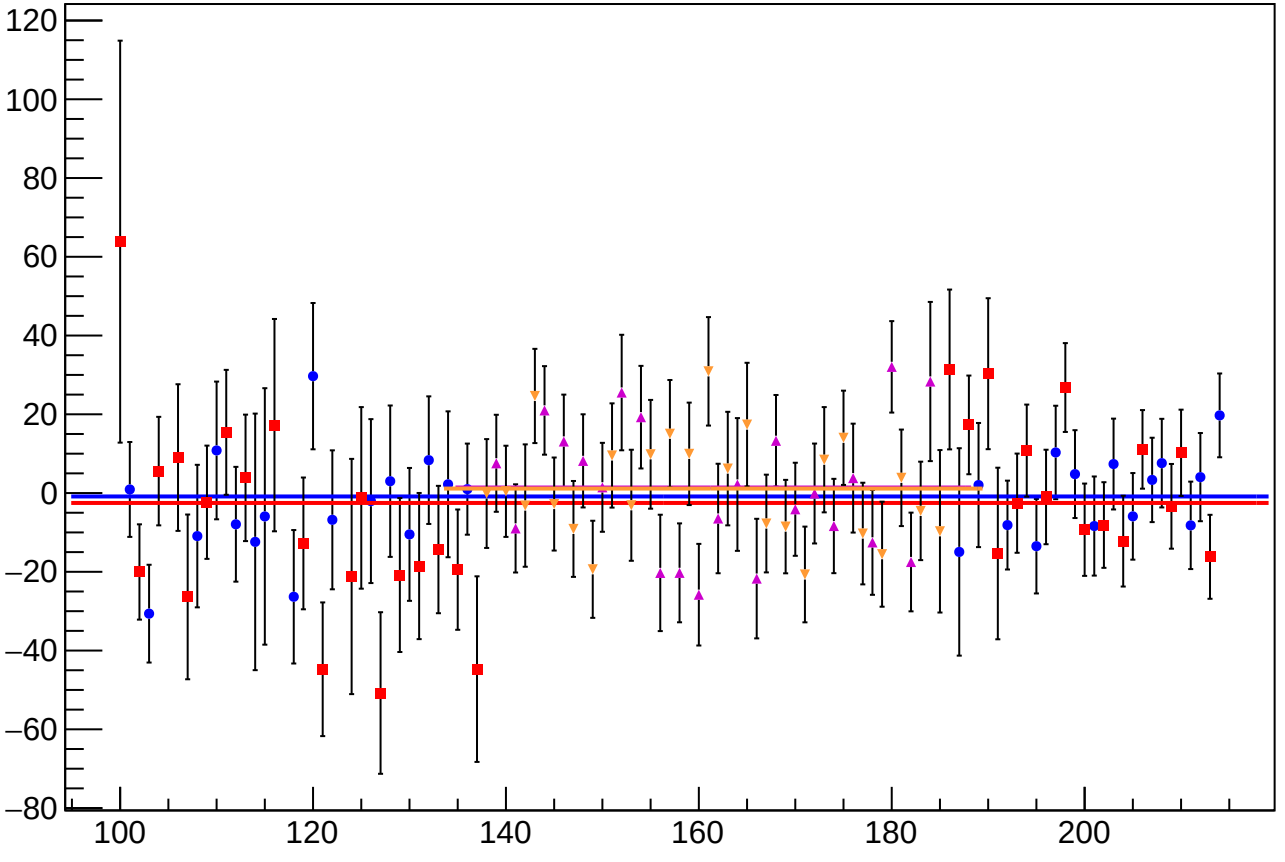
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.521+/-0.002 χ^2/NDF: 55647.2/54

All: 21.530+/-0.002 χ^2/NDF: 113021.2/111

\- sign 21.539+/-0.002 χ^2/NDF: 57347.8/56

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -0.867+/-2.519 χ^2/NDF: 21.9/29

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

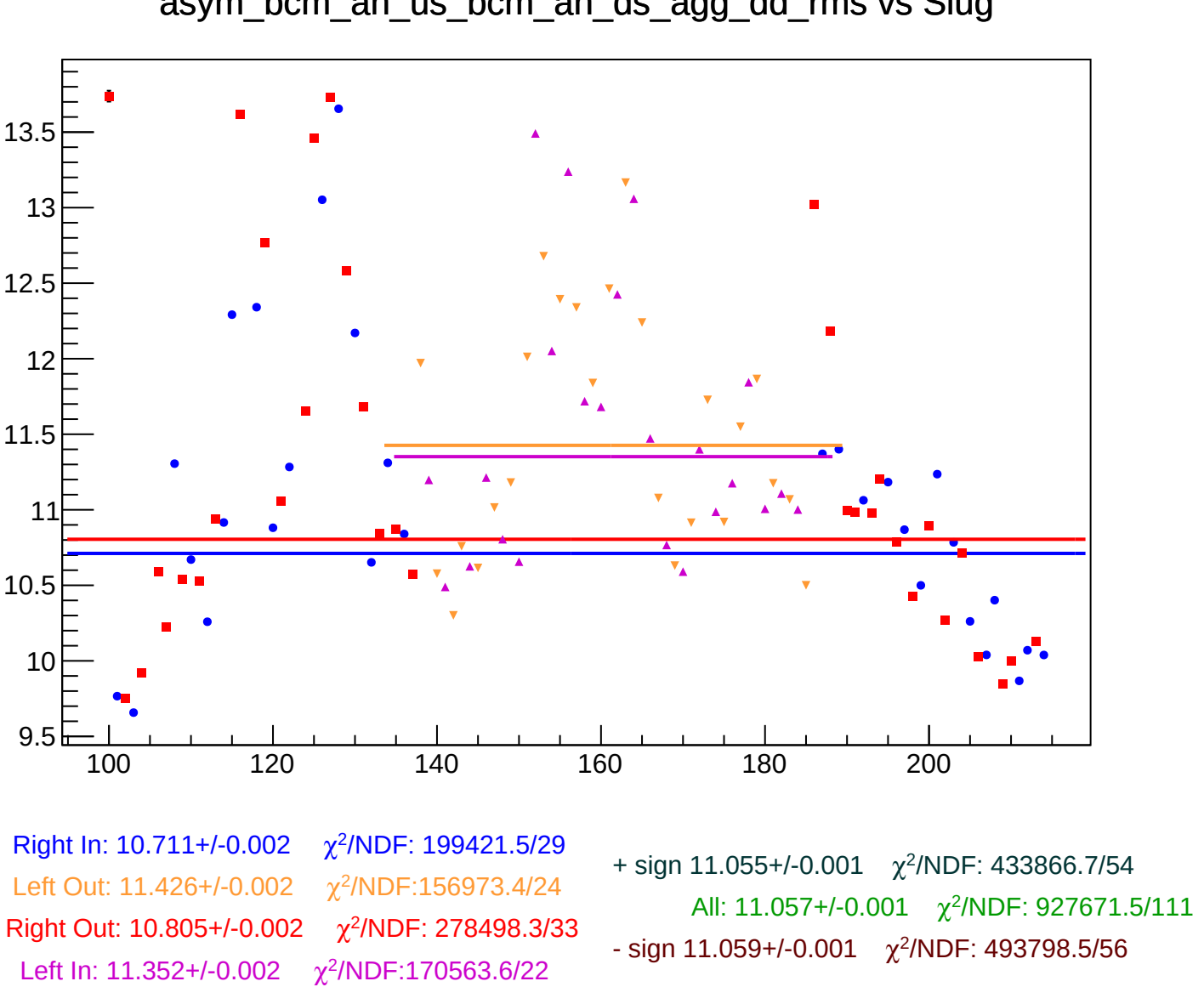
Right Out: -2.515+/-2.495 χ^2/NDF: 49.7/33

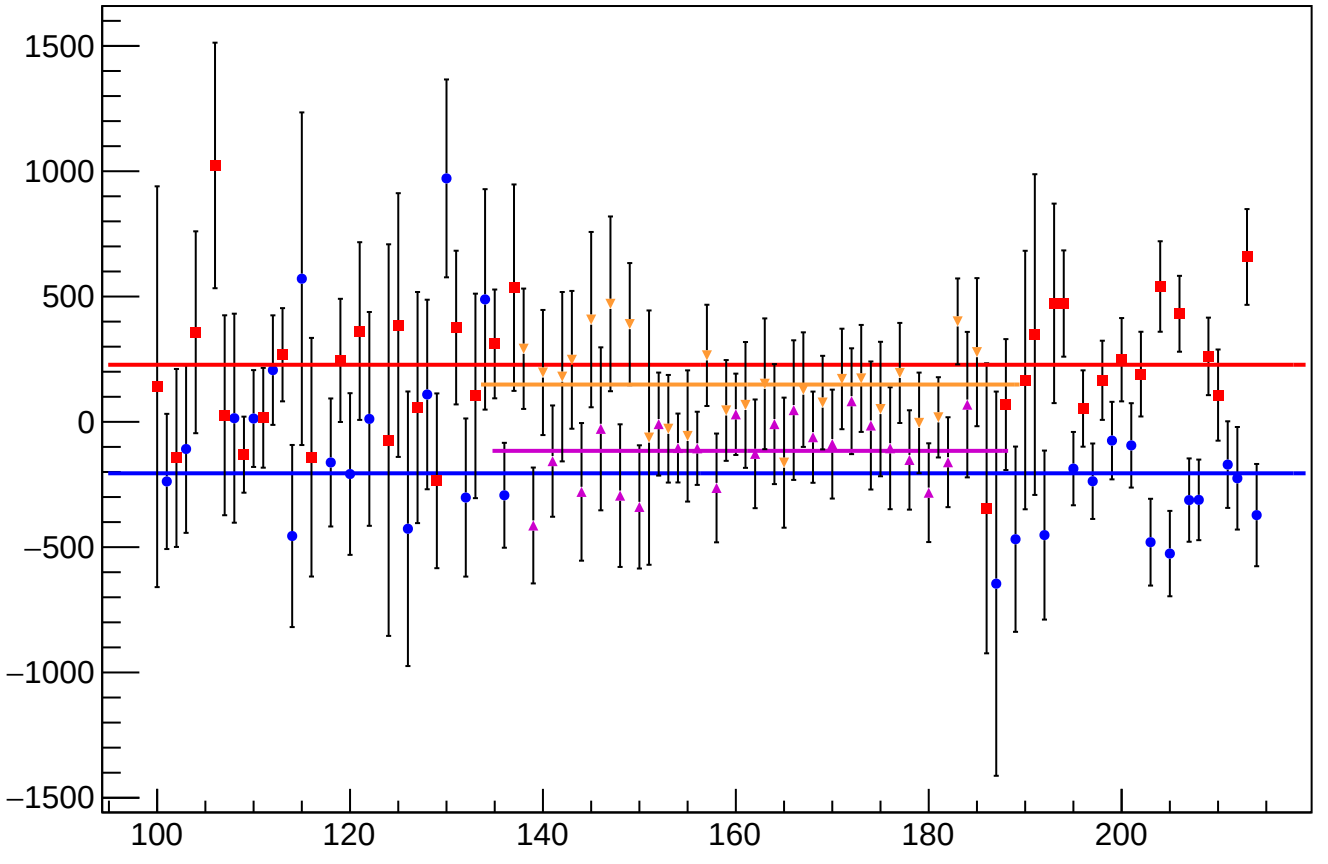
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.096+/-1.816 χ^2/NDF: 46.7/54

All: -0.295+/-1.287 χ^2/NDF: 134.0/111

- sign -0.690+/-1.824 χ^2/NDF: 87.1/56


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug
13.5
13
12.5
12
11.5
11
10.5
10
9.5
100
120
140
160
180
200
Right In: 10.711+/-0.002 χ²/NDF: 199421.5/29
Left Out: 11.426+/-0.002 χ²/NDF:156973.4/24
Right Out: 10.805+/-0.002 χ²/NDF: 278498.3/33
Left In: 11.352+/-0.002 χ²/NDF:170563.6/22
+ sign 11.055+/-0.001 χ²/NDF: 433866.7/54
All: 11.057+/-0.001 χ²/NDF: 927671.5/111
- sign 11.059+/-0.001 χ²/NDF: 493798.5/56



Right In: -205.282+/-41.486 χ^2/NDF: 30.0/29

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

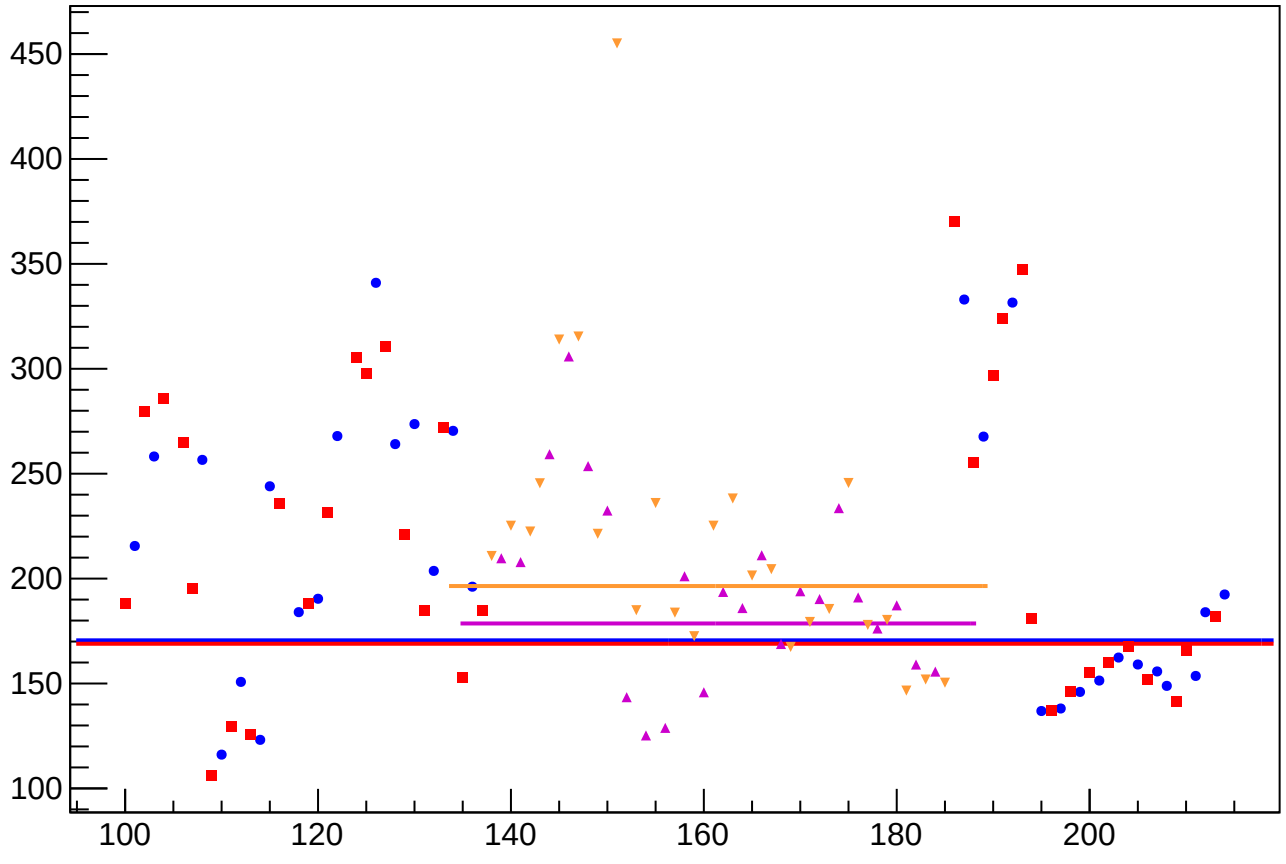
Right Out: 227.794+/-40.994 χ^2/NDF: 29.8/33

Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -47.576+/-30.899 χ^2/NDF: 73.0/54

All: 11.518+/-21.479 χ^2/NDF: 150.5/111

- sign 66.774+/-29.879 χ^2/NDF: 70.5/56



Right In: 170.573+/-0.029 χ^2/NDF: 2312217.1/29

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

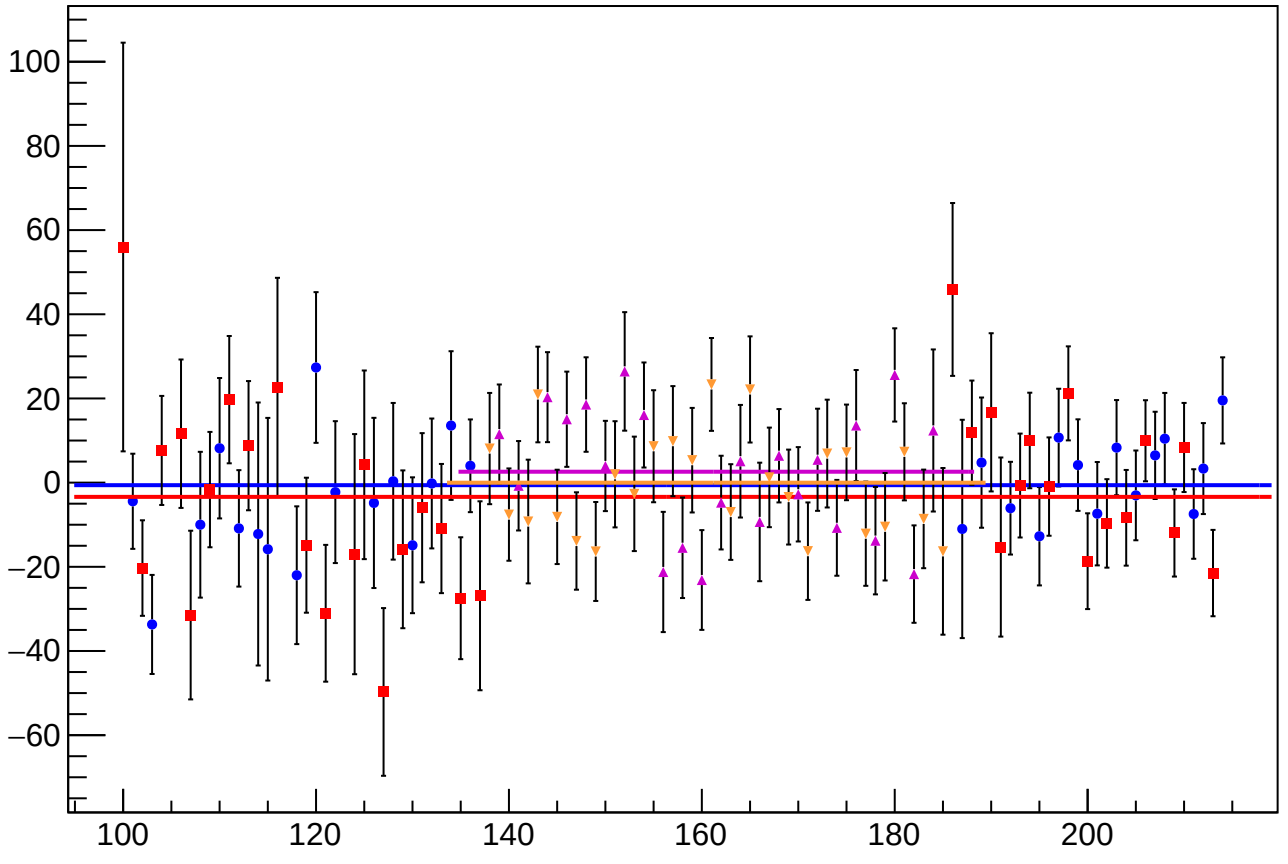
Right Out: 168.946+/-0.029 χ^2/NDF: 3008681.7/33

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.097+/-0.022 χ^2/NDF: 4477549.0/54

All: 177.643+/-0.015 χ^2/NDF: 9297658.0/11

- sign 173.478+/-0.021 χ^2/NDF: 4739688.3/56



Right In: -0.605+/-2.429 χ^2/NDF: 25.0/29

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

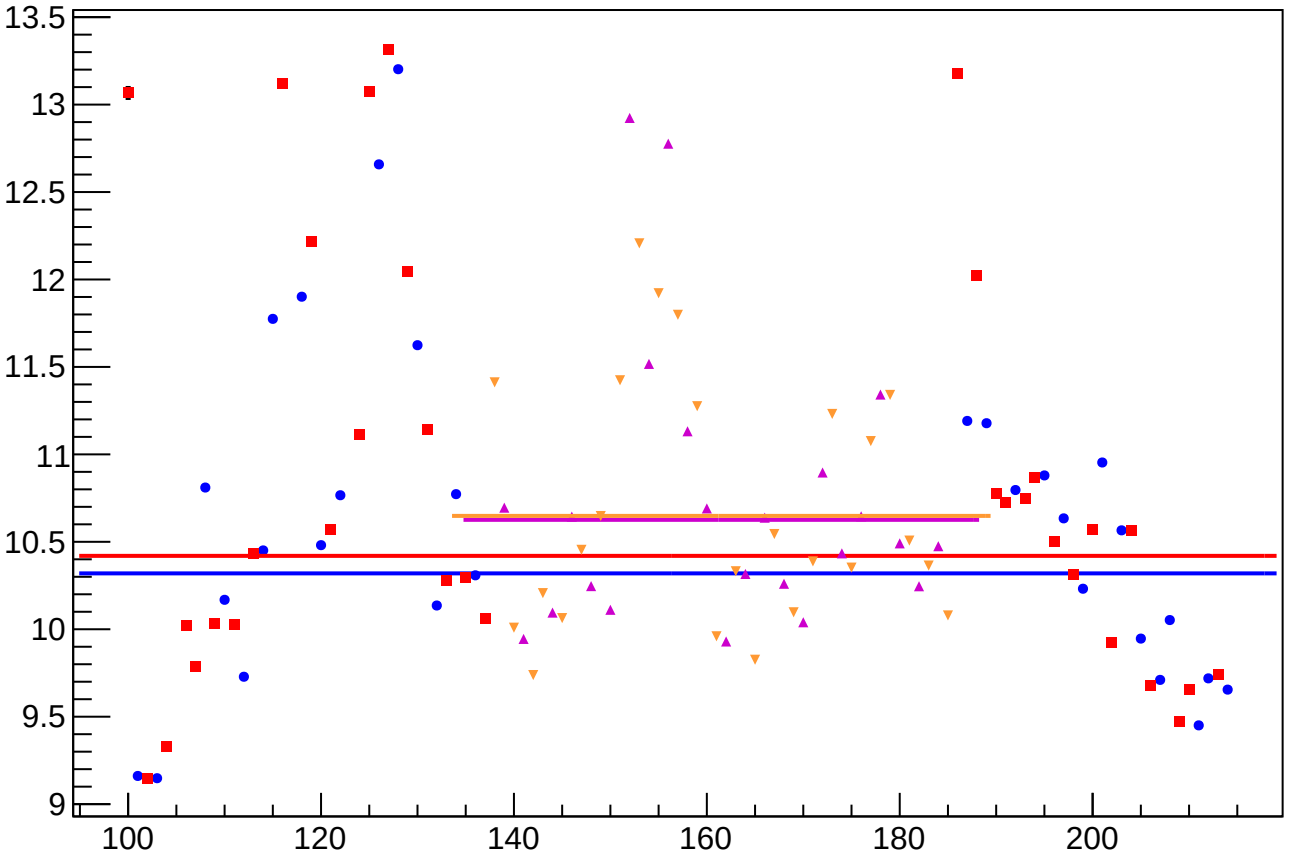
Right Out: -3.384+/-2.409 χ^2/NDF: 49.2/33

Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.313+/-1.723 χ^2/NDF: 48.7/54

All: -0.413+/-1.223 χ^2/NDF: 135.7/111

- sign -0.515+/-1.737 χ^2/NDF: 86.9/56



Right In: 10.320+/-0.002 χ^2/NDF: 223463.7/29

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.420+/-0.002 χ^2/NDF: 317285.6/33

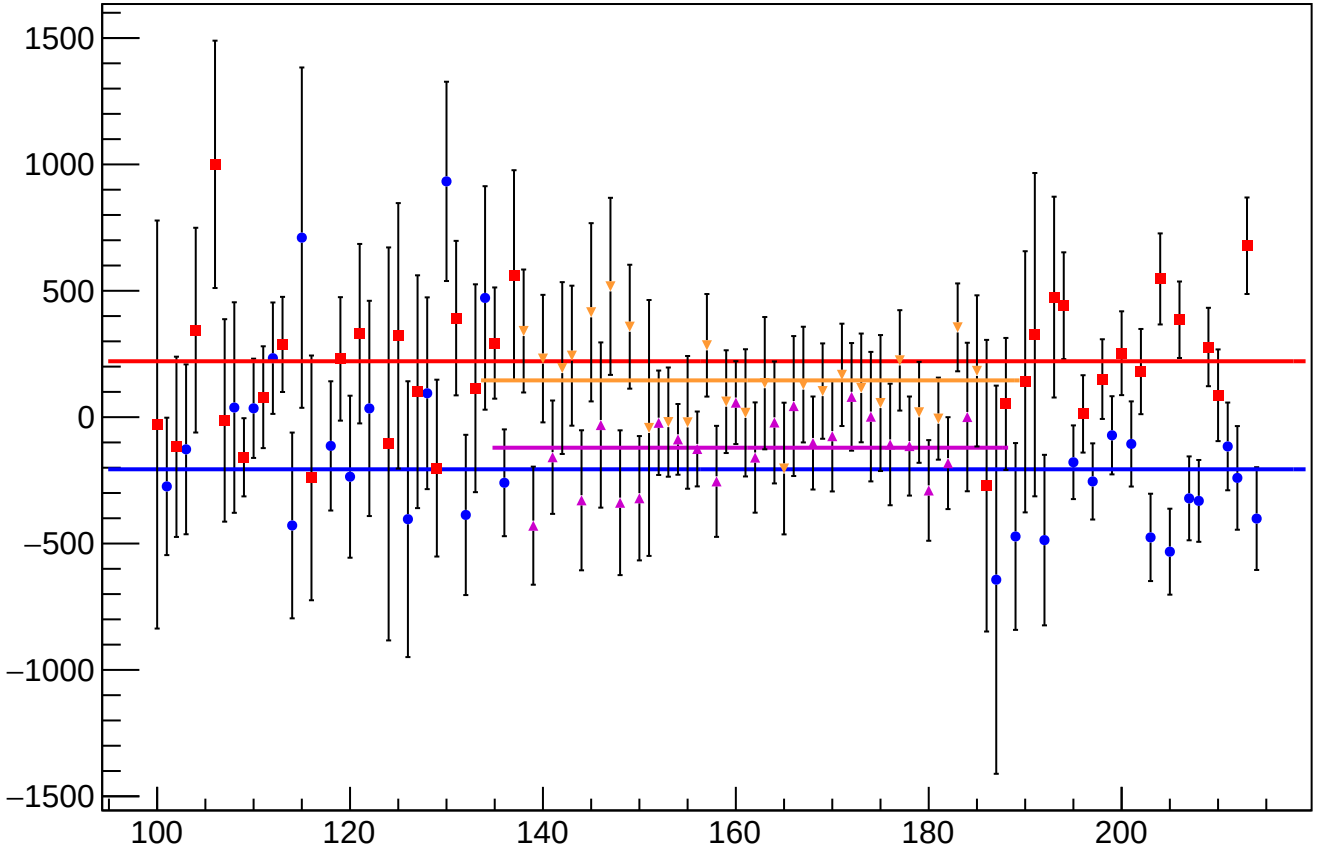
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.483+/-0.001 χ^2/NDF: 385199.3/54

All: 10.501+/-0.001 χ^2/NDF: 869480.7/111

- sign 10.519+/-0.001 χ^2/NDF: 483853.5/56

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: -206.236+/-41.570 χ^2/NDF: 31.7/29

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

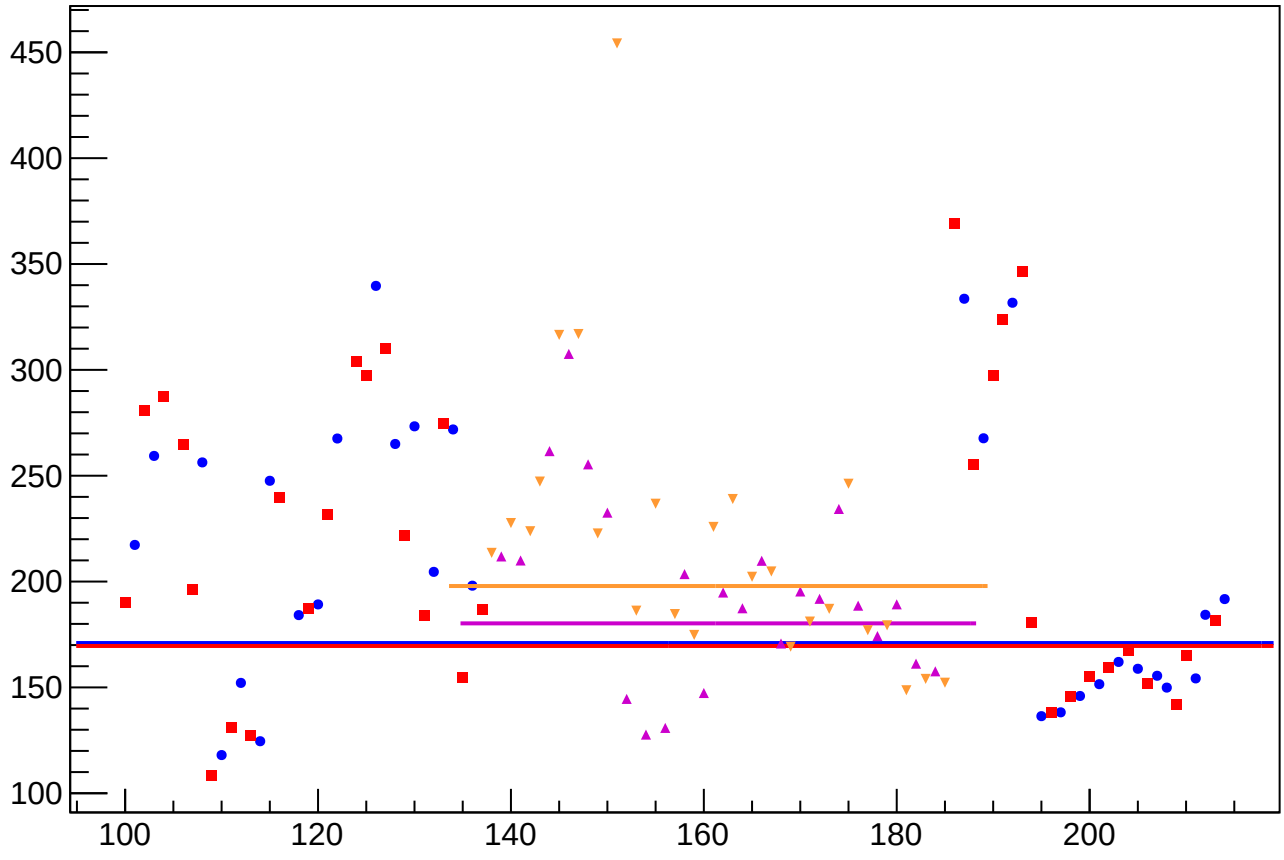
Right Out: 221.232+/-41.109 χ^2/NDF: 30.2/33

Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -50.399+/-31.025 χ^2/NDF: 73.7/54

All: 7.492+/-21.580 χ^2/NDF: 151.1/111

- sign 61.756+/-30.037 χ^2/NDF: 70.7/56



Right In: 170.954+/-0.029 χ^2/NDF: 2302233.8/29

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

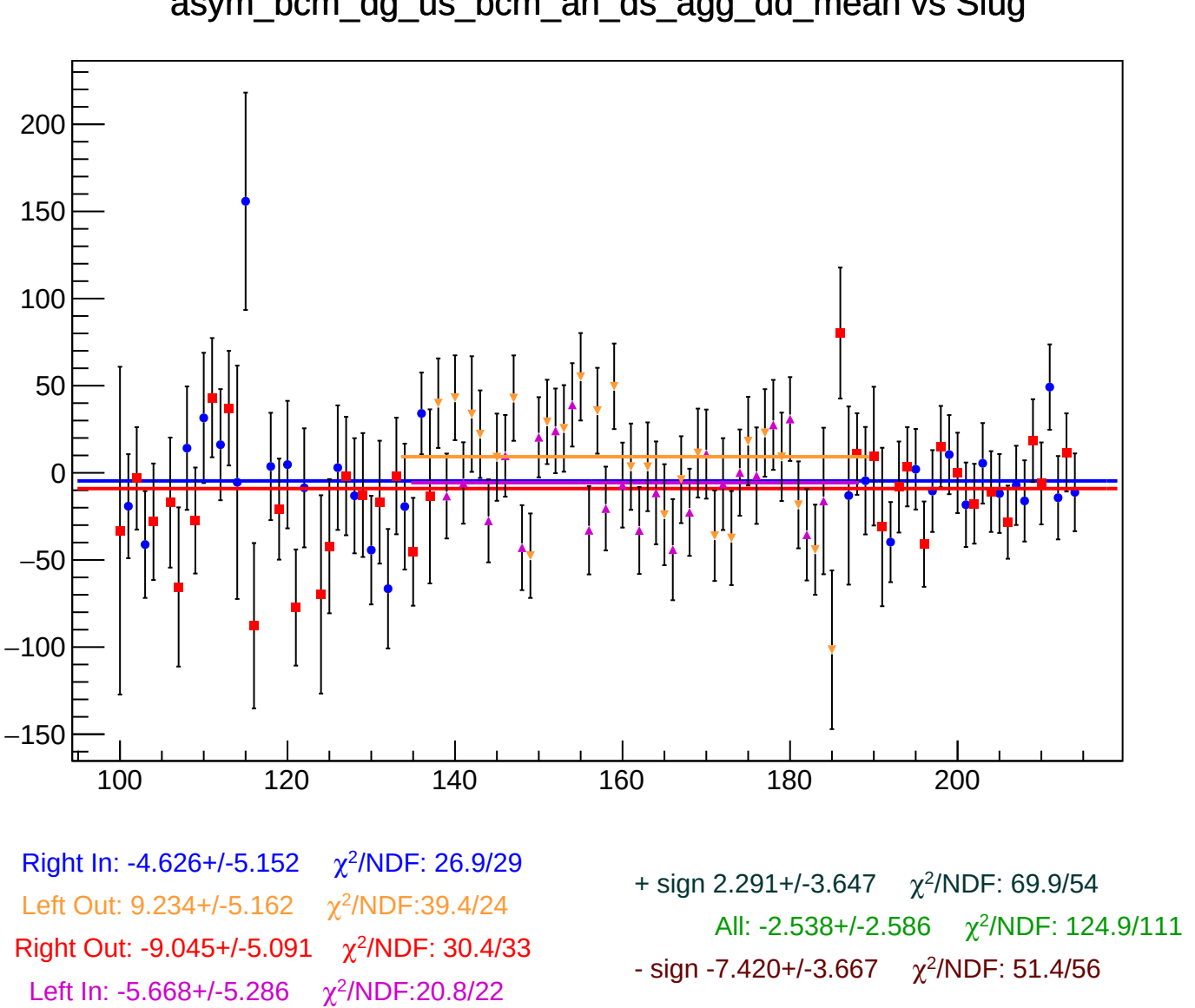
Right Out: 169.574+/-0.029 χ^2/NDF: 2956405.6/33

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

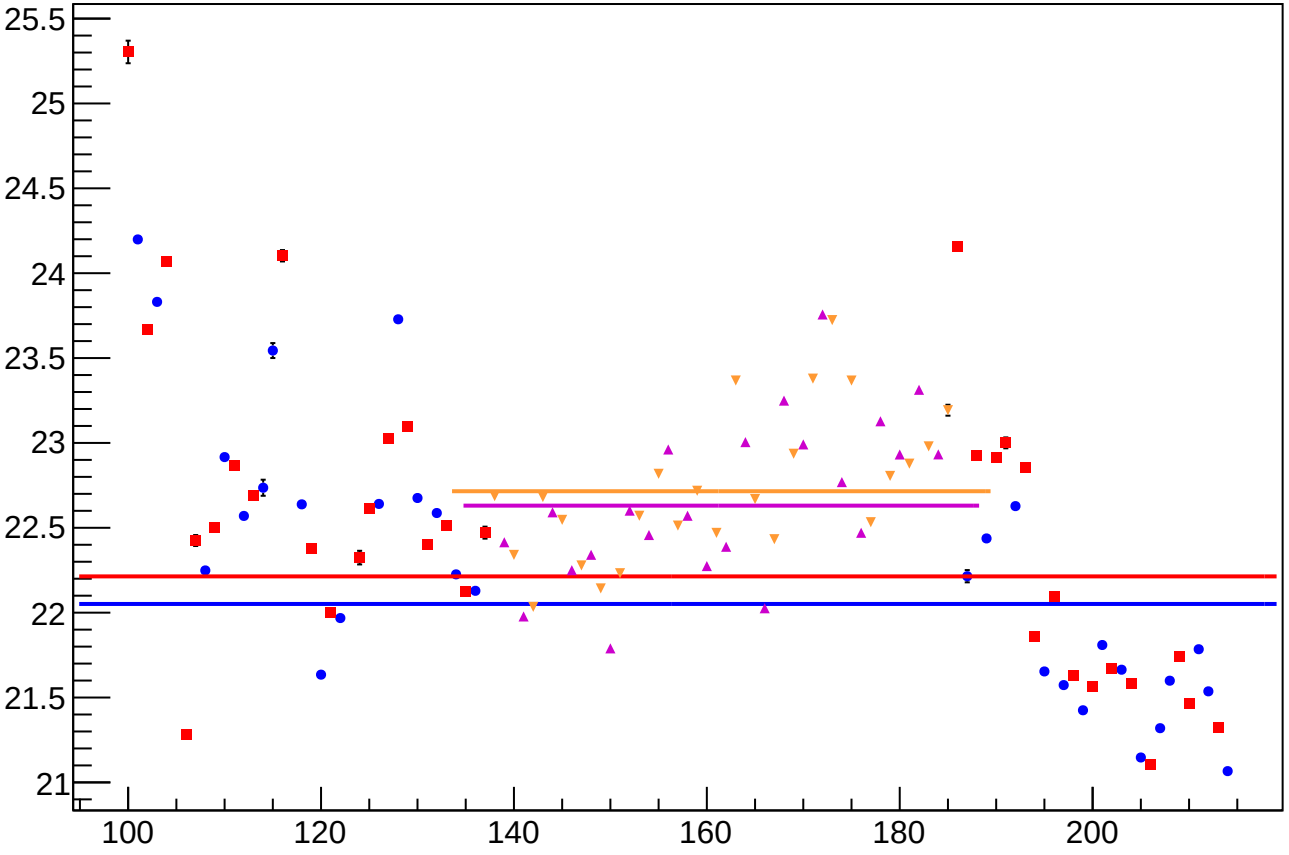
+ sign 182.887+/-0.022 χ^2/NDF: 4463086.7/54

All: 178.583+/-0.015 χ^2/NDF: 9184670.4/111

- sign 174.549+/-0.021 χ^2/NDF: 4647034.2/56


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -4.626+/-5.152 χ²/NDF: 26.9/29
Left Out: 9.234+/-5.162 χ²/NDF:39.4/24
Right Out: -9.045+/-5.091 χ²/NDF: 30.4/33
Left In: -5.668+/-5.286 χ²/NDF:20.8/22
+ sign 2.291+/-3.647 χ²/NDF: 69.9/54
All: -2.538+/-2.586 χ²/NDF: 124.9/111
- sign -7.420+/-3.667 χ²/NDF: 51.4/56

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.051+/-0.004 χ^2/NDF: 44560.1/29

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

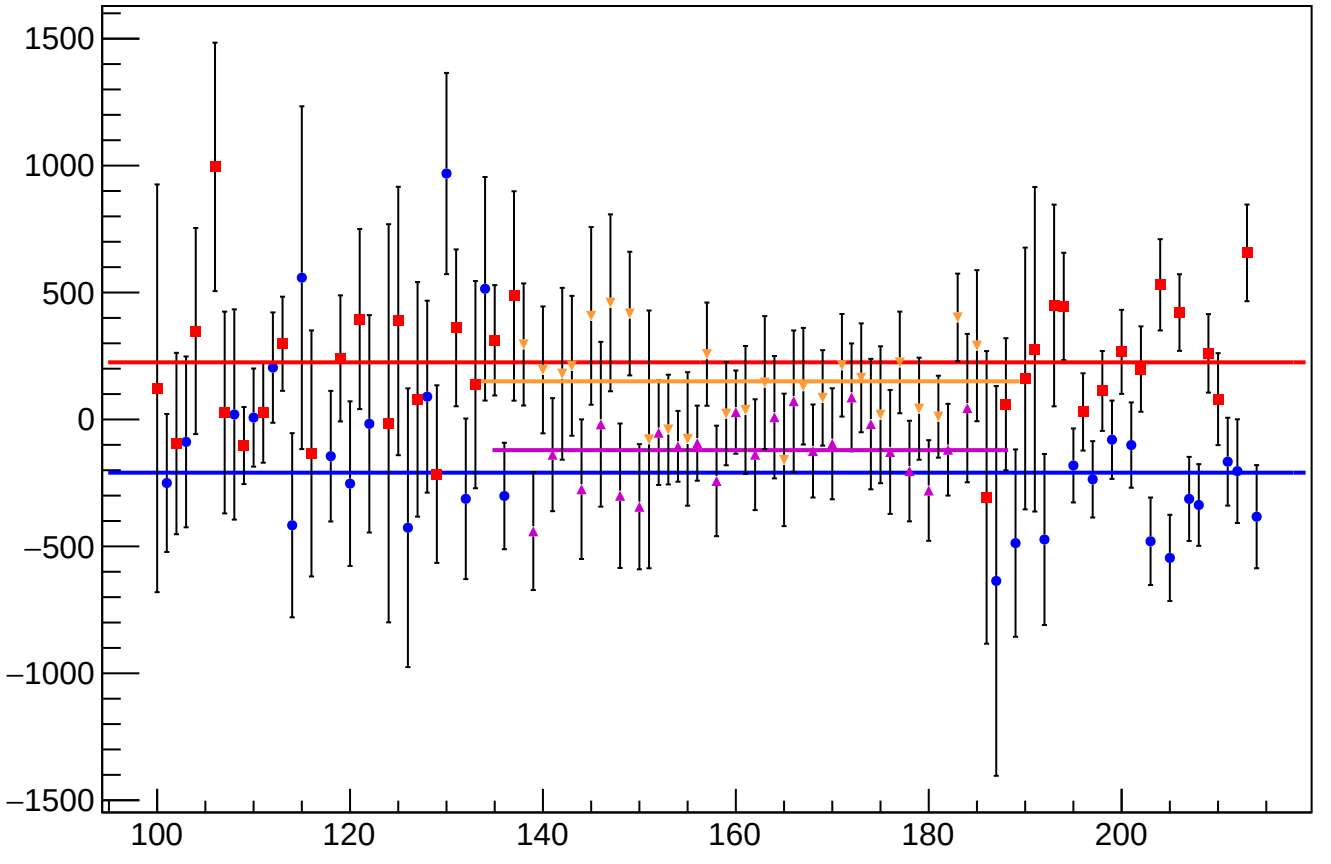
Right Out: 22.214+/-0.004 χ^2/NDF: 49251.6/33

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.383+/-0.003 χ^2/NDF: 73326.7/54

All: 22.398+/-0.002 χ^2/NDF: 144495.8/111

- sign 22.414+/-0.003 χ^2/NDF: 71094.7/56



Right In: -209.610+/-41.447 χ^2/NDF: 30.7/29

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

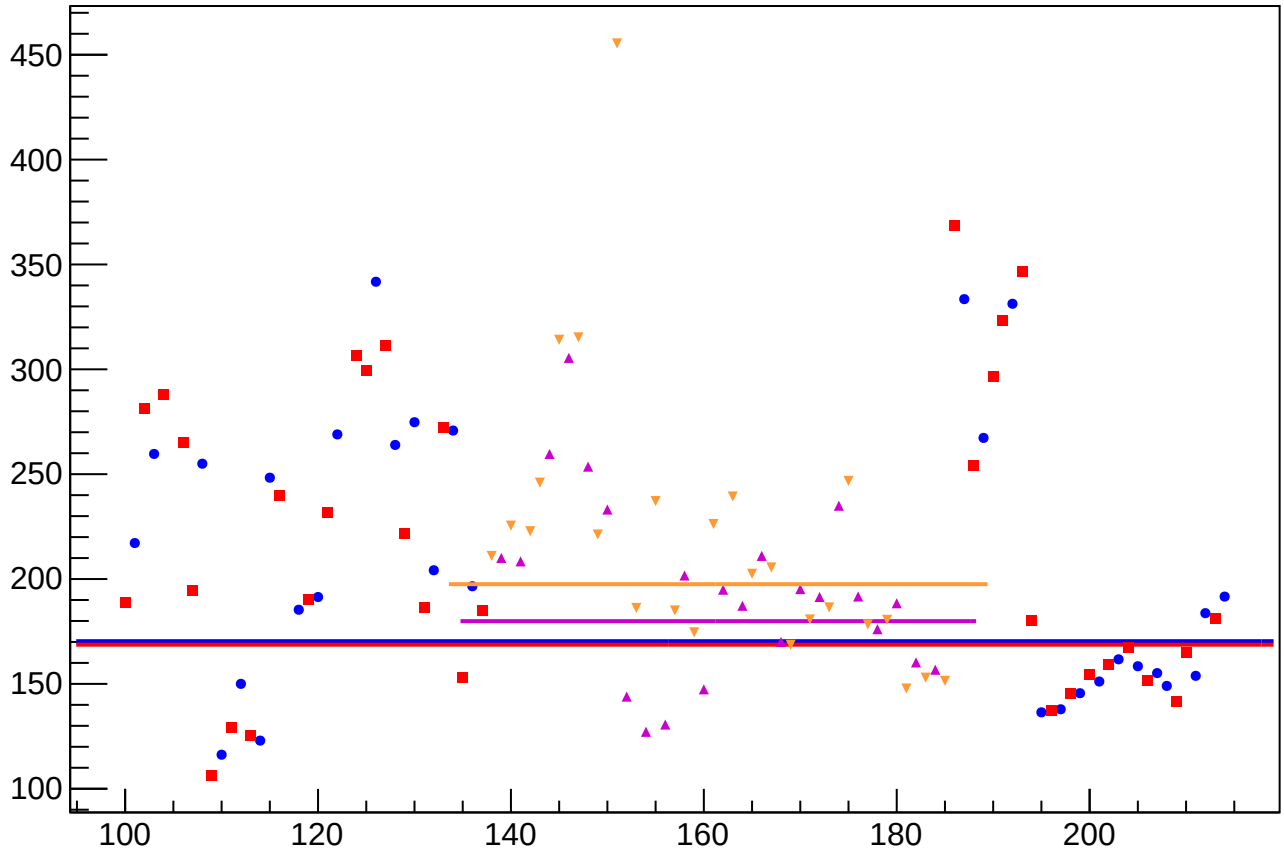
Right Out: 225.065+/-40.942 χ^2/NDF: 28.2/33

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -50.434+/-30.951 χ^2/NDF: 75.0/54

All: 8.807+/-21.522 χ^2/NDF: 151.4/111

- sign 64.273+/-29.948 χ^2/NDF: 69.3/56



Right In: 170.366+/-0.029 χ^2/NDF: 2333989.1/29

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

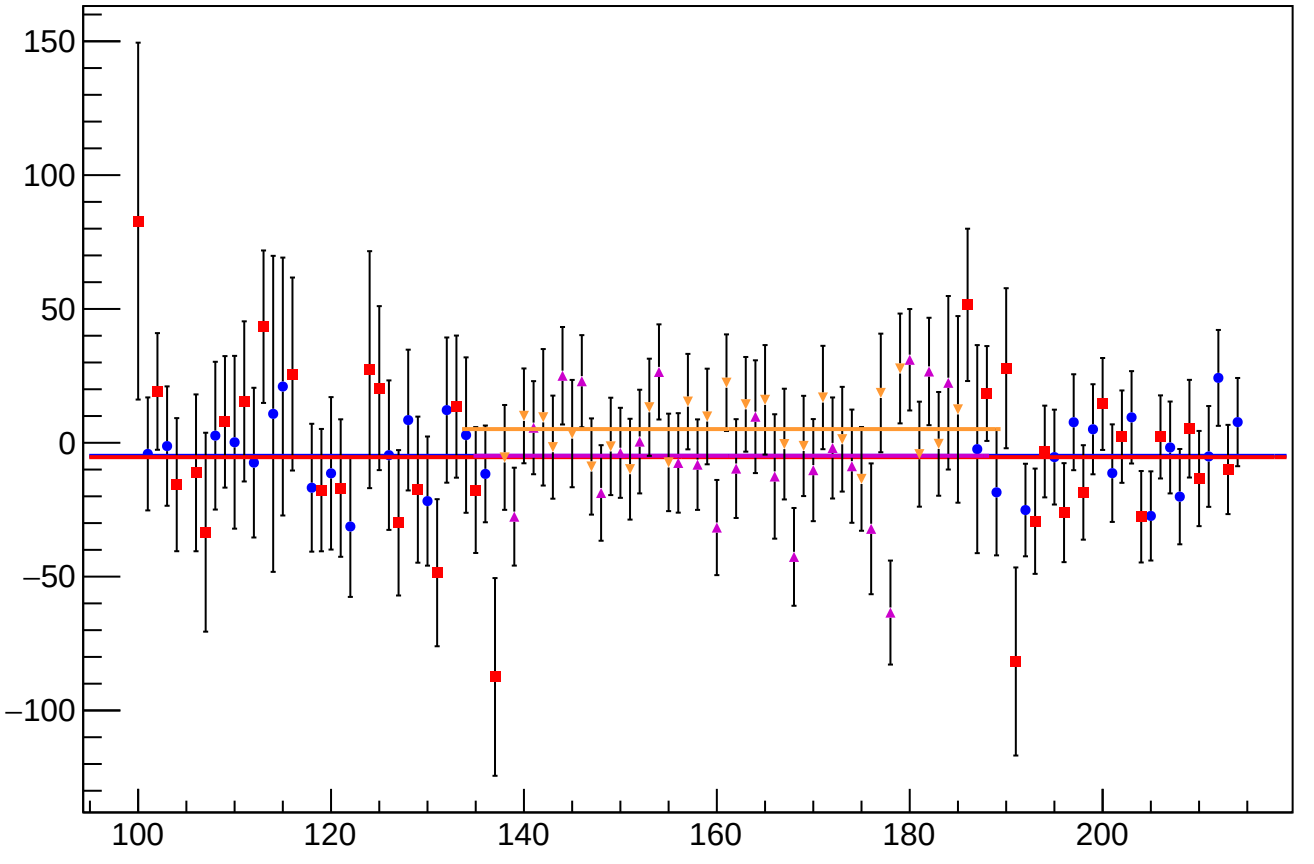
Right Out: 168.702+/-0.029 χ^2/NDF: 3028101.6/33

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.384+/-0.022 χ^2/NDF: 4504022.2/54

All: 178.012+/-0.015 χ^2/NDF: 9303386.9/111

- sign 173.919+/-0.021 χ^2/NDF: 4722103.4/56



Right In: -4.869+/-3.929 χ^2/NDF: 12.3/29

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -5.375+/-3.888 χ^2/NDF: 38.3/33

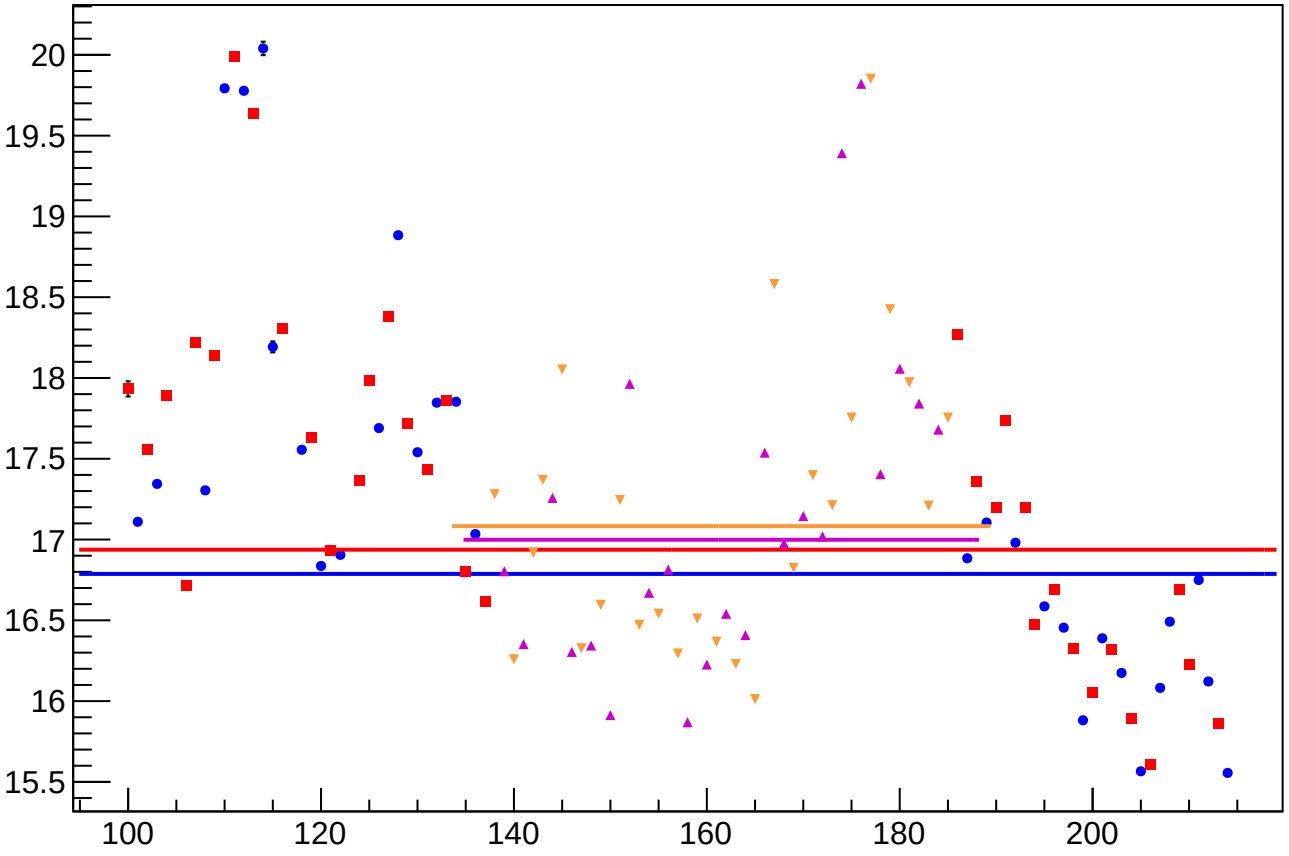
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.175+/-2.764 χ^2/NDF: 23.5/54

All: -2.458+/-1.961 χ^2/NDF: 99.2/111

- sign -5.122+/-2.781 χ^2/NDF: 73.9/56

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.787+/-0.003 χ^2/NDF: 114863.6/29

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 16.937+/-0.003 χ^2/NDF: 122156.3/33

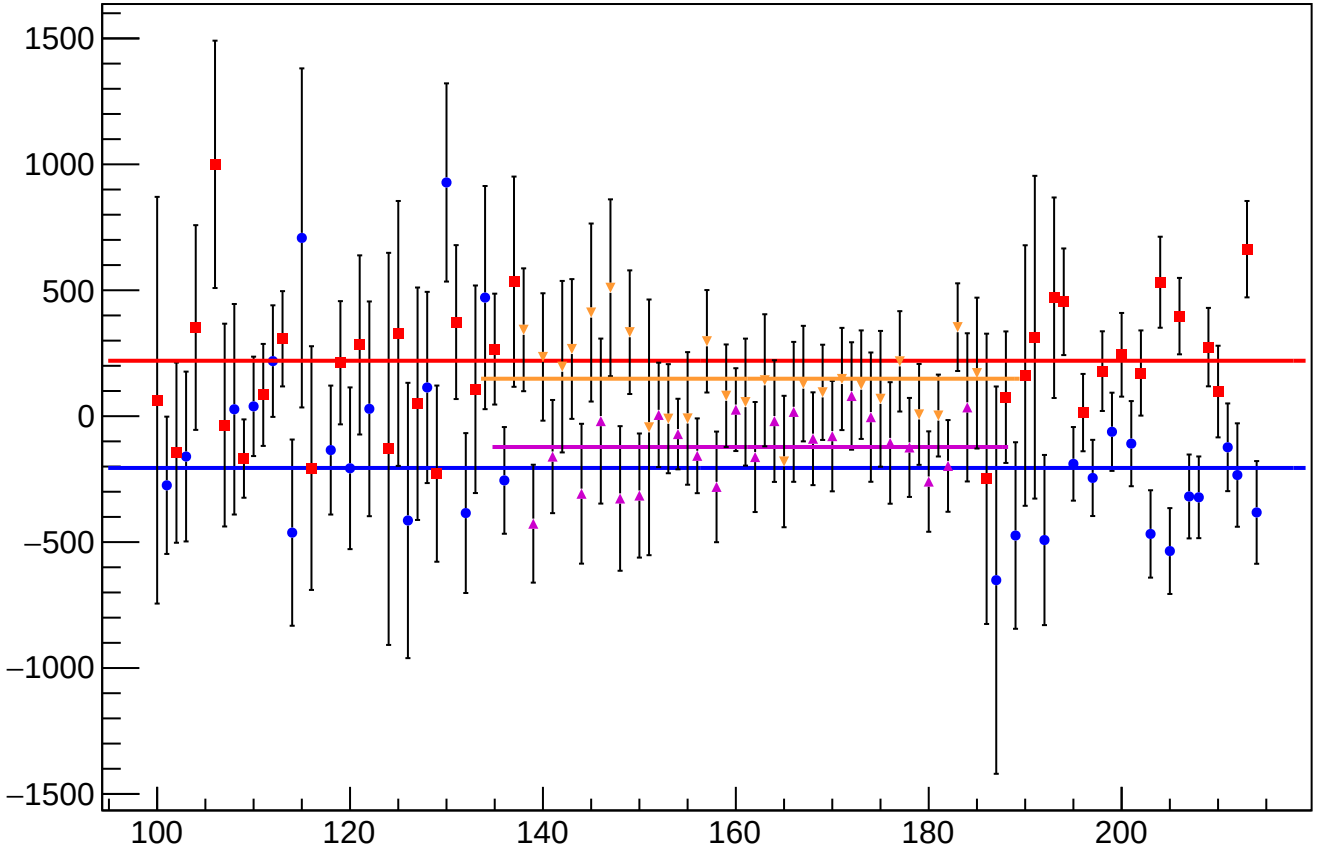
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.937+/-0.002 χ^2/NDF: 217356.8/54

All: 16.952+/-0.001 χ^2/NDF: 443901.3/111

- sign 16.967+/-0.002 χ^2/NDF: 226422.2/56

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: -205.560+/-41.695 χ^2/NDF: 31.0/29

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

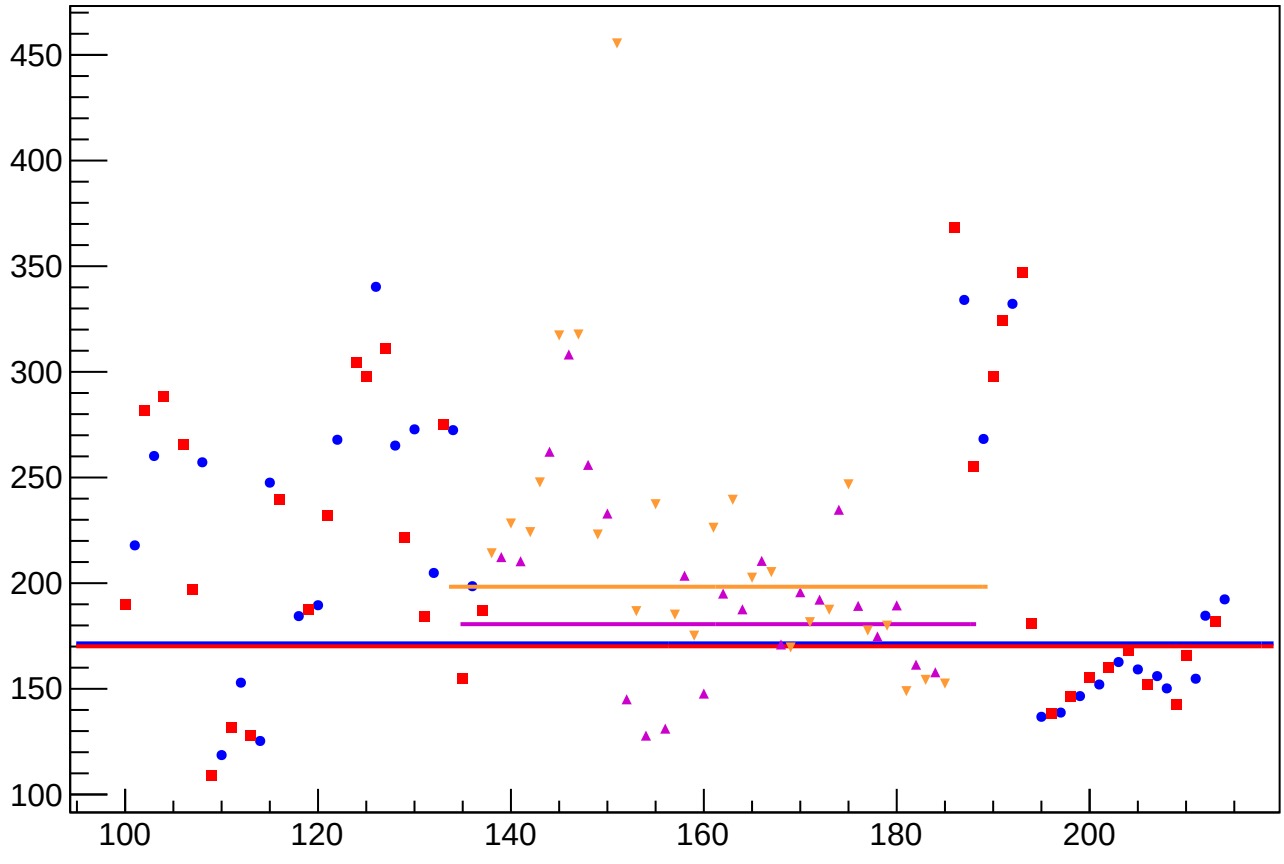
Right Out: 220.106+/-41.232 χ^2/NDF: 29.6/33

Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -48.450+/-31.106 χ^2/NDF: 72.6/54

All: 7.684+/-21.636 χ^2/NDF: 148.6/111

- sign 60.288+/-30.112 χ^2/NDF: 69.7/56



Right In: 171.500+/-0.029 χ^2/NDF: 2289473.4/29

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

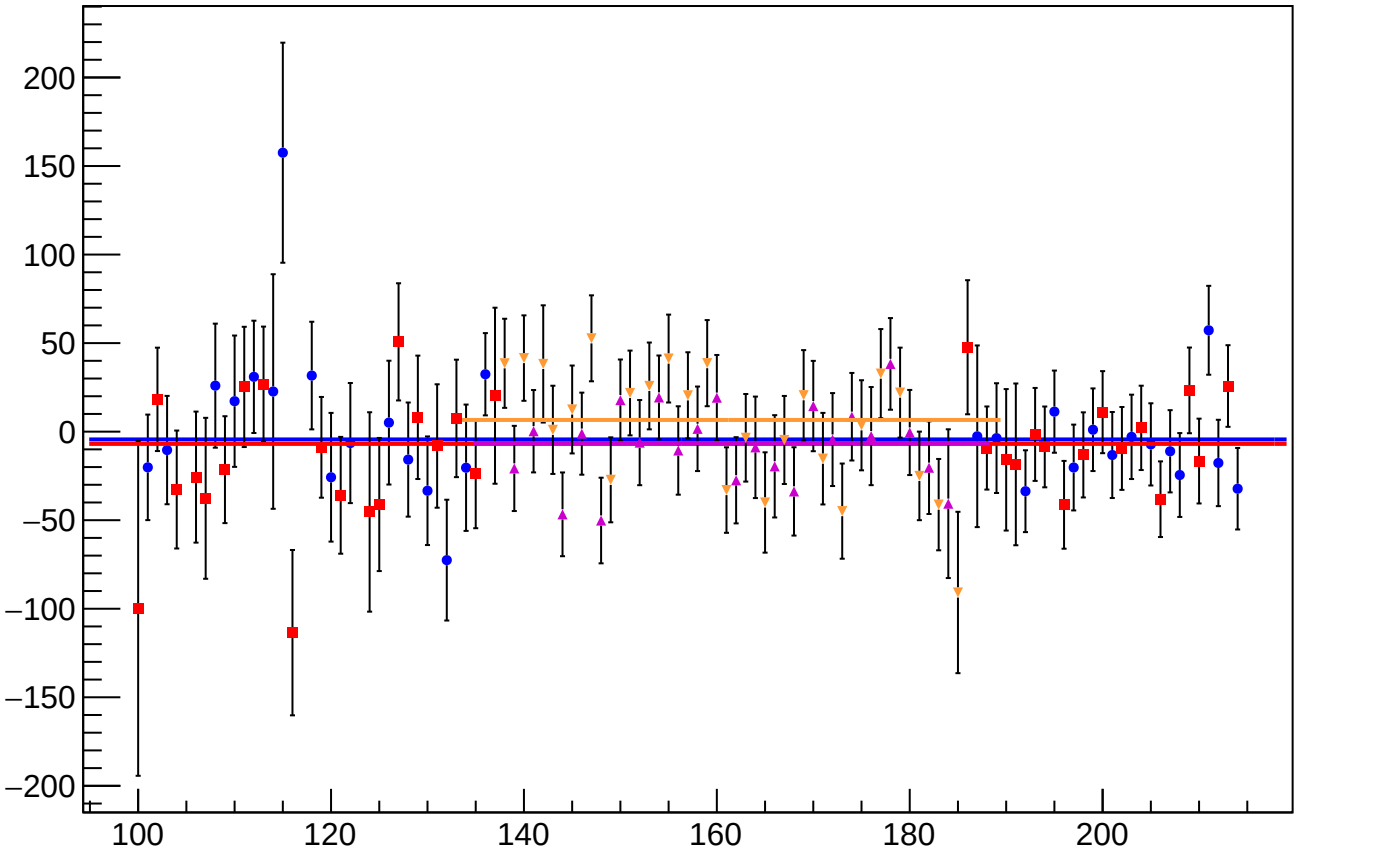
Right Out: 170.123+/-0.029 χ^2/NDF: 2938412.4/33

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.389+/-0.022 χ^2/NDF: 4446503.6/54

All: 179.065+/-0.015 χ^2/NDF: 9148129.0/11

- sign 175.013+/-0.021 χ^2/NDF: 4626756.7/56



Right In: -4.397+/-5.194 χ^2/NDF: 30.4/29

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: -6.911+/-5.116 χ^2/NDF: 27.4/33

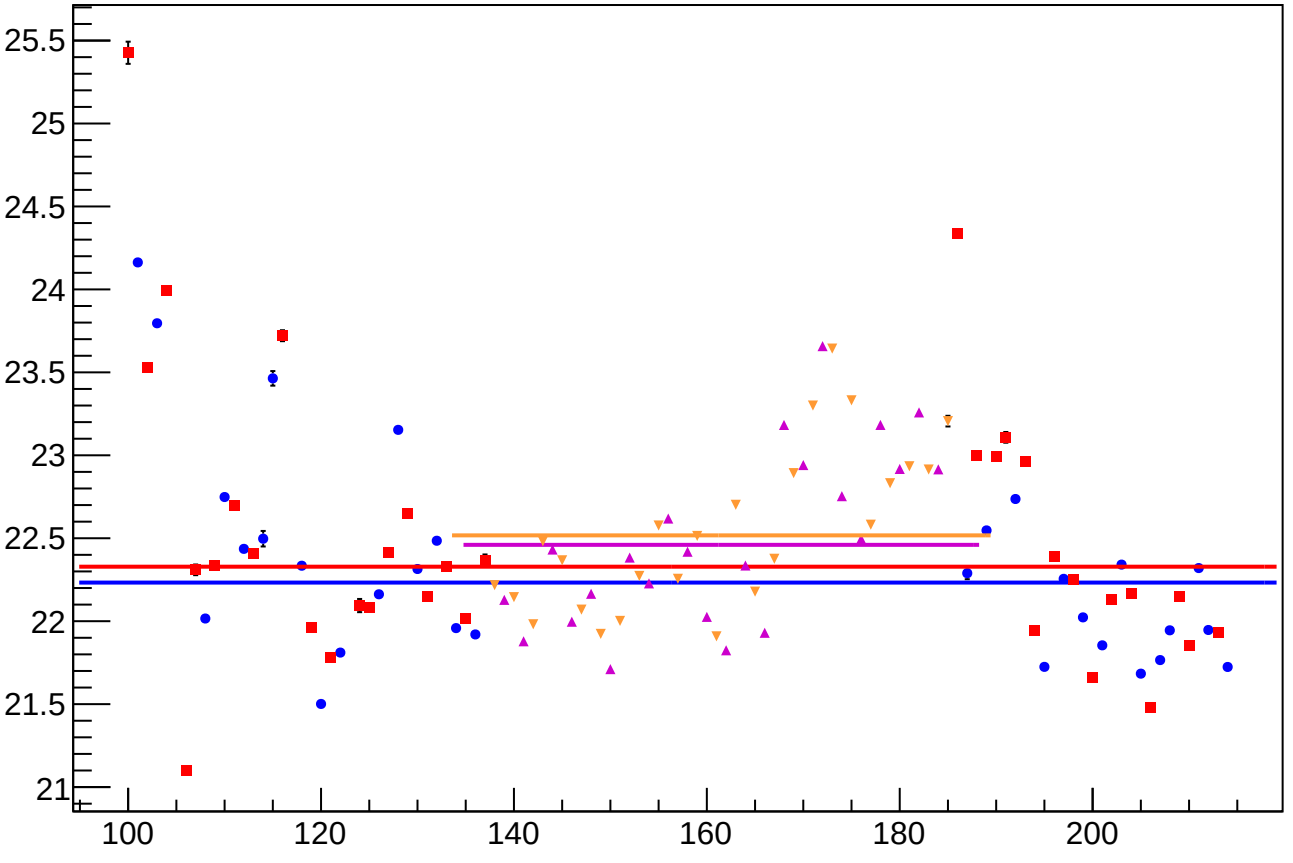
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.189+/-3.645 χ^2/NDF: 69.6/54

All: -2.737+/-2.584 χ^2/NDF: 116.8/111

- sign -6.702+/-3.663 χ^2/NDF: 44.8/56

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.233+/-0.004 χ^2/NDF: 24669.3/29

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

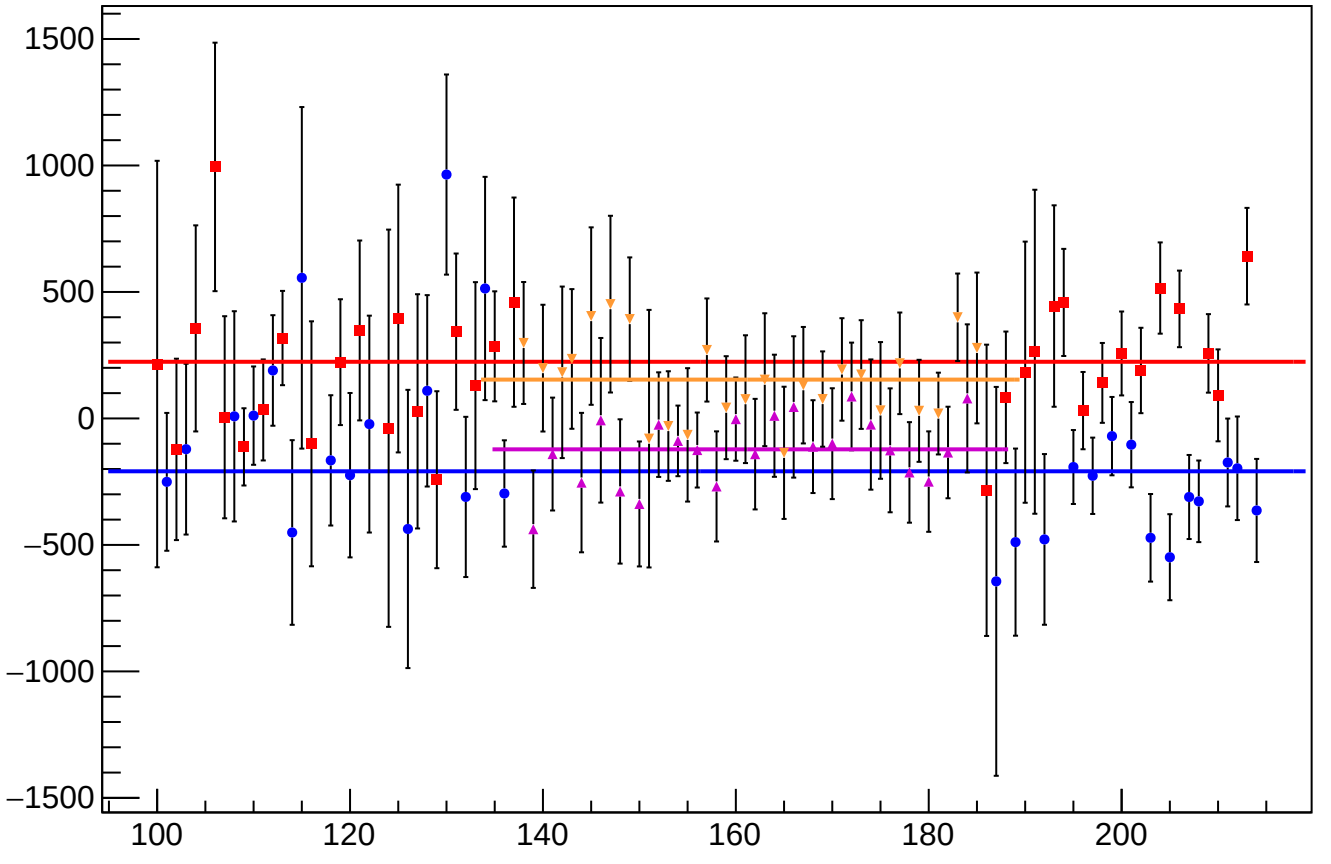
Right Out: 22.329+/-0.004 χ^2/NDF: 32931.2/33

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

\+ sign 22.377+/-0.003 χ^2/NDF: 43719.1/54

All: 22.385+/-0.002 χ^2/NDF: 96431.2/111

\- sign 22.393+/-0.003 χ^2/NDF: 52694.0/56



Right In: -208.954+/-41.573 χ^2/NDF: 30.1/29

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

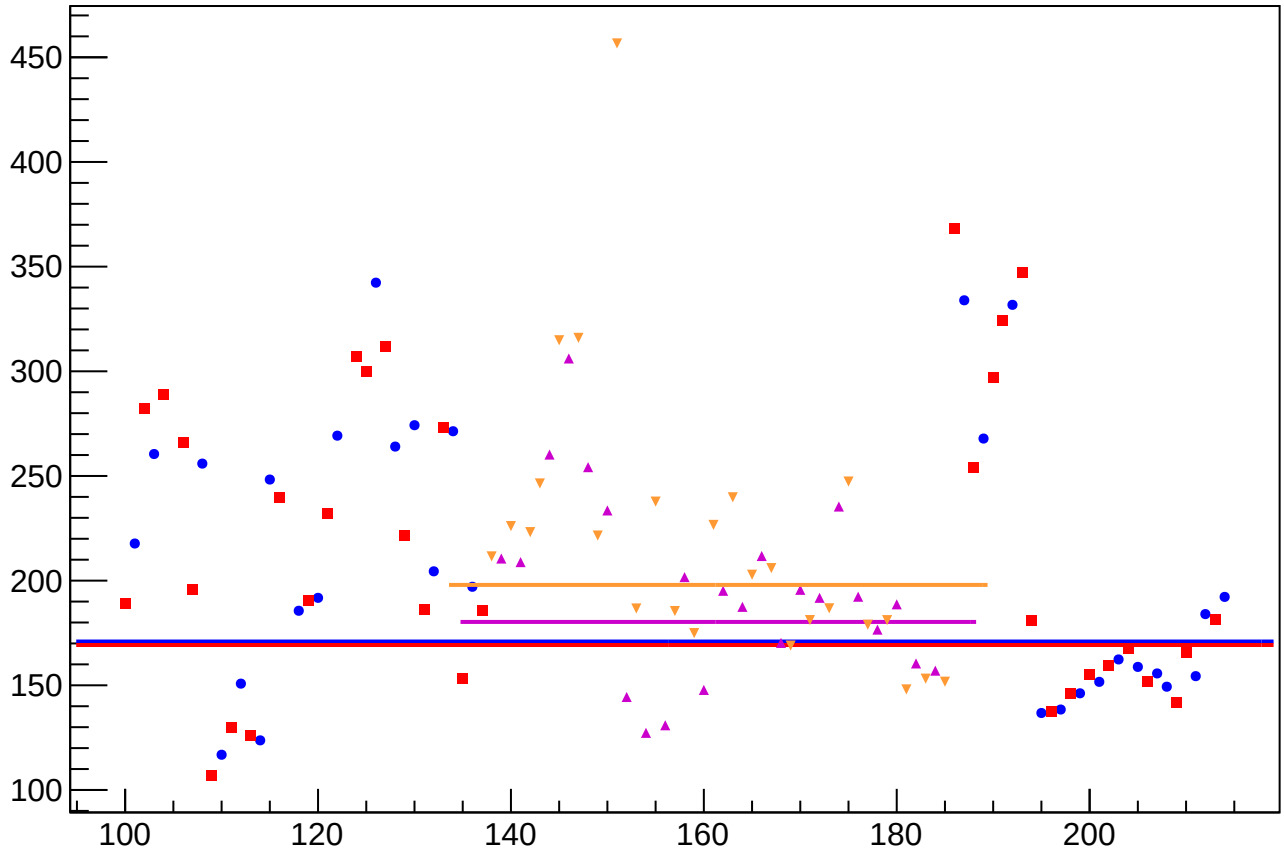
Right Out: 223.972+/-41.066 χ^2/NDF: 27.6/33

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

\+ sign -48.458+/-31.033 χ^2/NDF: 73.8/54

All: 9.036+/-21.578 χ^2/NDF: 148.6/111

\- sign 62.852+/-30.024 χ^2/NDF: 68.2/56



Right In: 170.916+/-0.029 χ^2/NDF: 2320735.0/29

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

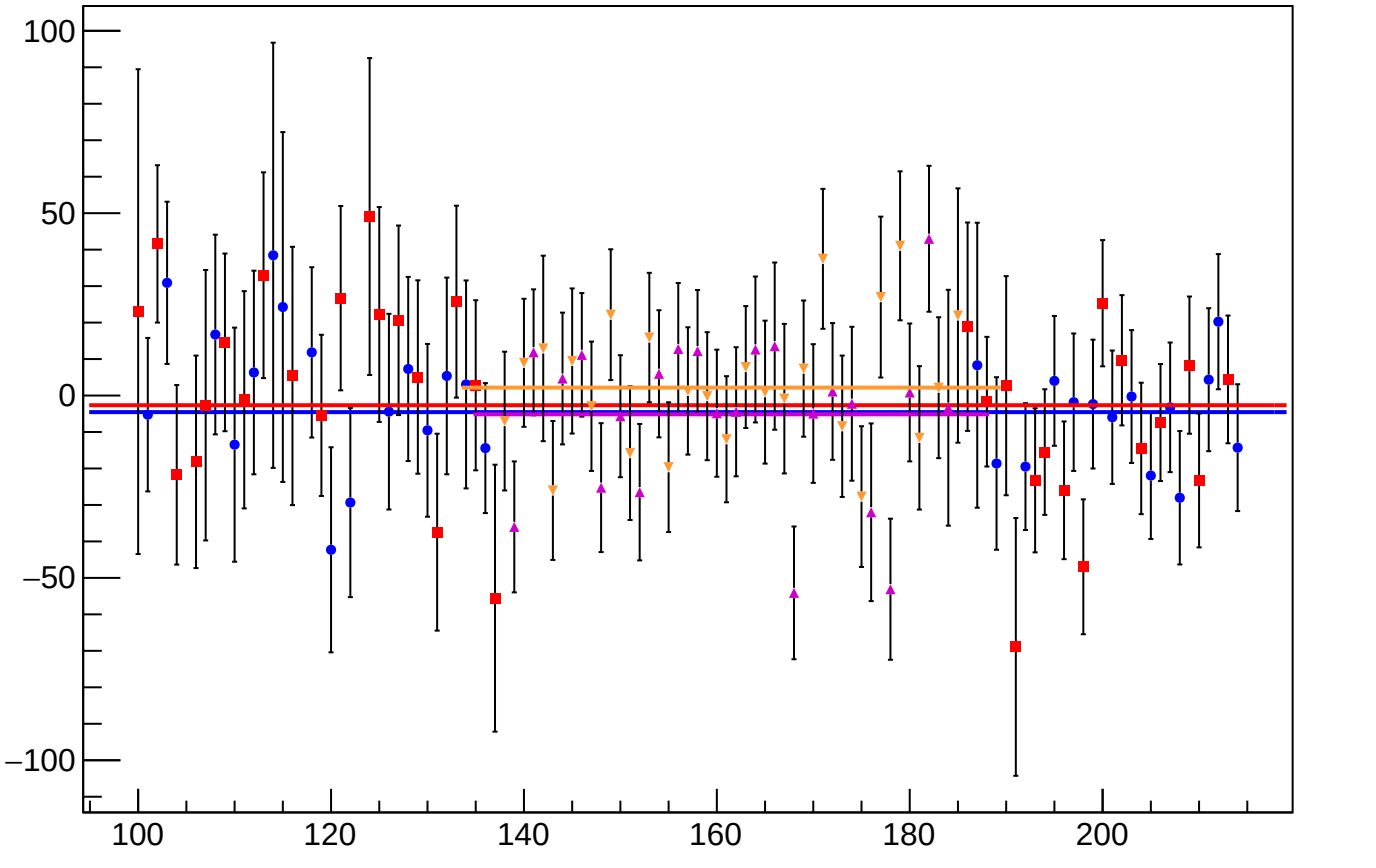
Right Out: 169.257+/-0.029 χ^2/NDF: 3009235.0/33

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.890+/-0.022 χ^2/NDF: 4486767.4/54

All: 178.497+/-0.015 χ^2/NDF: 9265274.8/11

- sign 174.385+/-0.021 χ^2/NDF: 4700925.4/56



Right In: -4.546+/-3.987 χ^2/NDF: 14.8/29

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.656+/-3.927 χ^2/NDF: 35.1/33

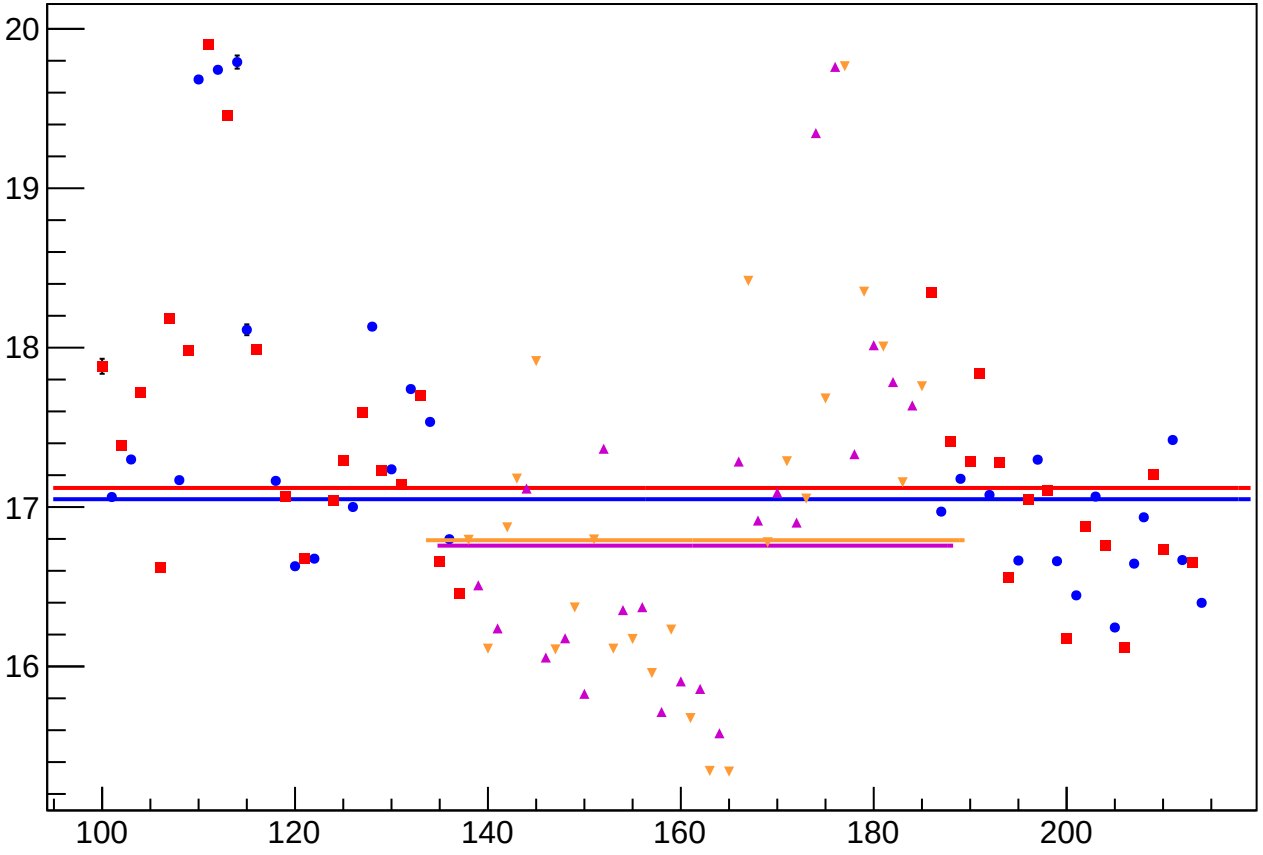
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.046+/-2.760 χ^2/NDF: 36.2/54

All: -2.467+/-1.957 χ^2/NDF: 104.4/111

- sign -3.904+/-2.776 χ^2/NDF: 67.6/56

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.049+/-0.003 χ^2/NDF: 59061.3/29

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.120+/-0.003 χ^2/NDF: 67332.2/33

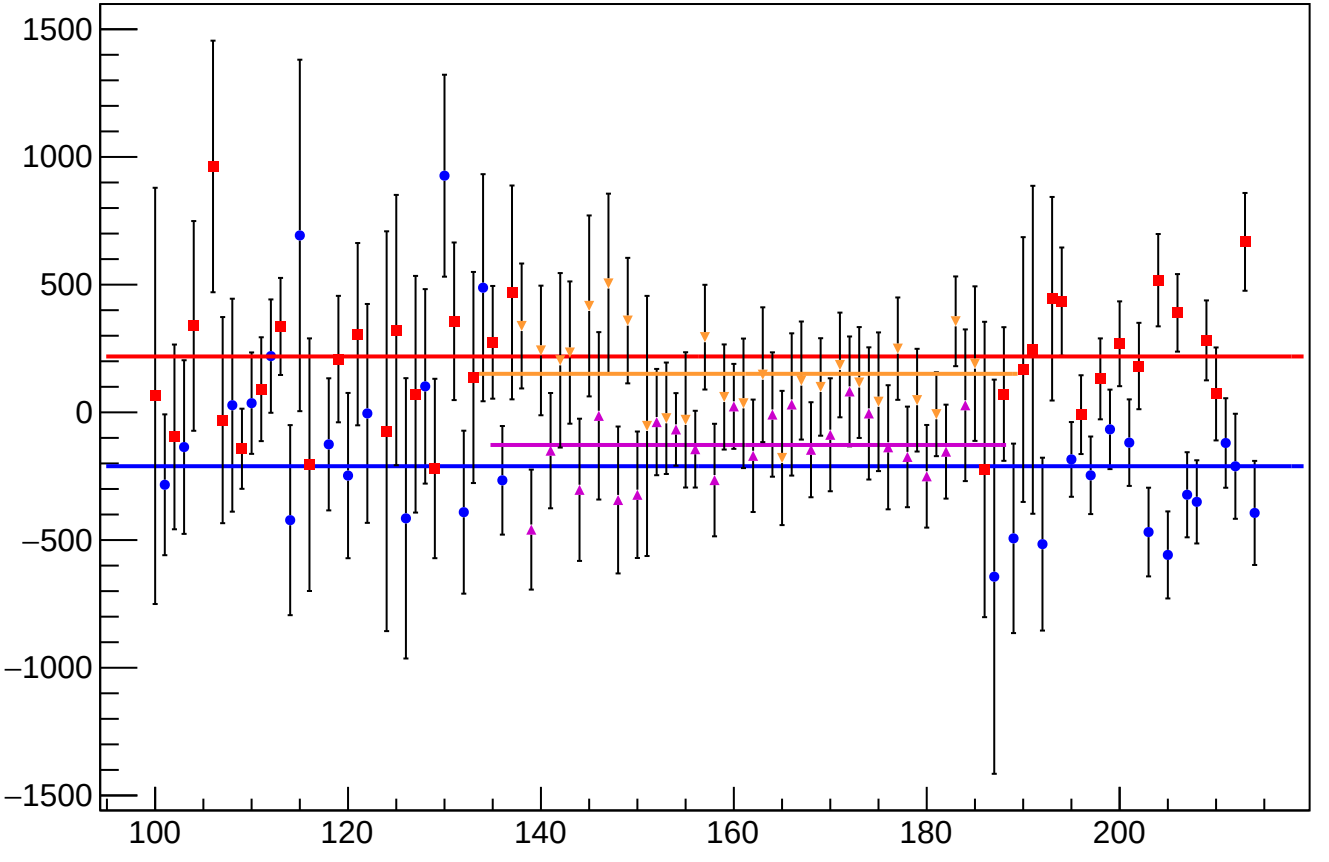
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.915+/-0.002 χ^2/NDF: 200397.5/54

All: 16.927+/-0.001 χ^2/NDF: 399613.0/111

- sign 16.939+/-0.002 χ^2/NDF: 199143.8/56

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -210.868+/-41.826 χ^2/NDF: 31.7/29

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

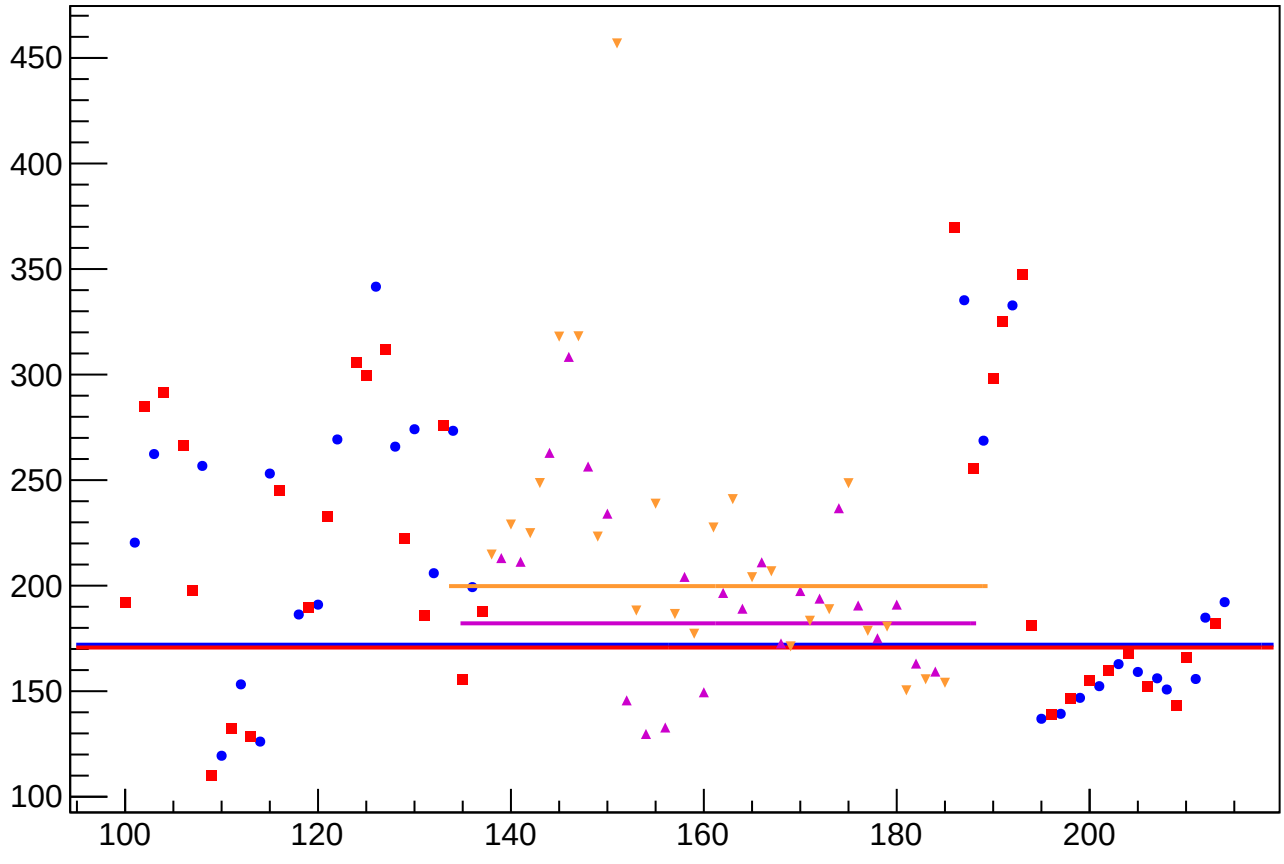
Right Out: 218.840+/-41.365 χ^2/NDF: 28.1/33

Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -51.127+/-31.255 χ^2/NDF: 74.7/54

All: 5.132+/-21.746 χ^2/NDF: 149.5/111

- sign 57.914+/-30.274 χ^2/NDF: 68.5/56



Right In: 172.026+/-0.030 χ^2/NDF: 2297050.2/29

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

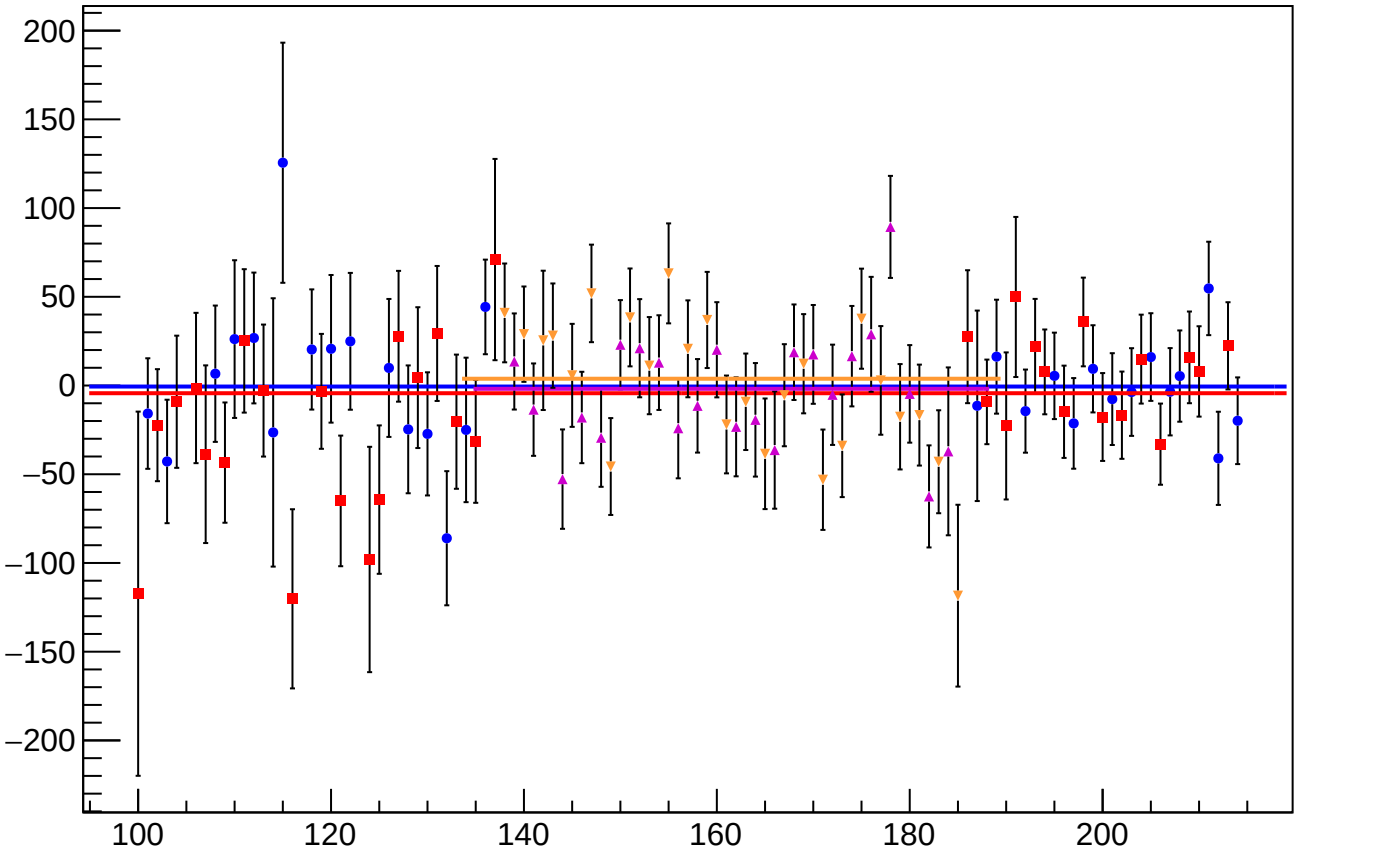
Right Out: 170.693+/-0.029 χ^2/NDF: 2941117.0/33

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.284+/-0.022 χ^2/NDF: 4446372.7/54

All: 180.017+/-0.015 χ^2/NDF: 9115354.2/111

- sign 176.013+/-0.021 χ^2/NDF: 4596727.8/56



Right In: -0.572+/-5.609 χ^2/NDF: 26.3/29

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

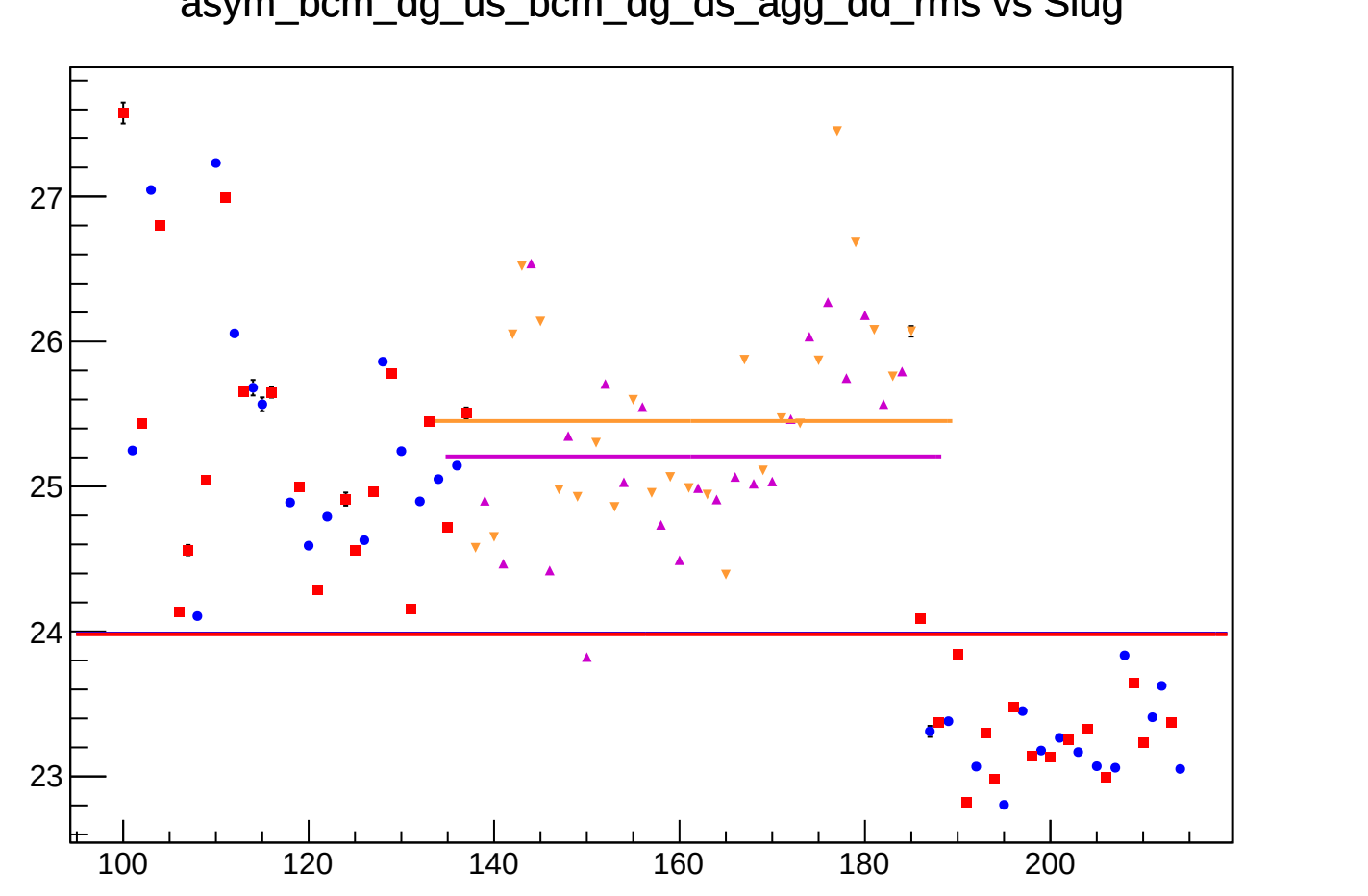
Right Out: -4.334+/-5.499 χ^2/NDF: 31.4/33

Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.560+/-4.028 χ^2/NDF: 64.2/54

All: -0.814+/-2.846 χ^2/NDF: 124.5/111

- sign -3.178+/-4.021 χ^2/NDF: 59.6/56



Right In: 23.985+/-0.004 χ^2/NDF: 80939.1/29

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

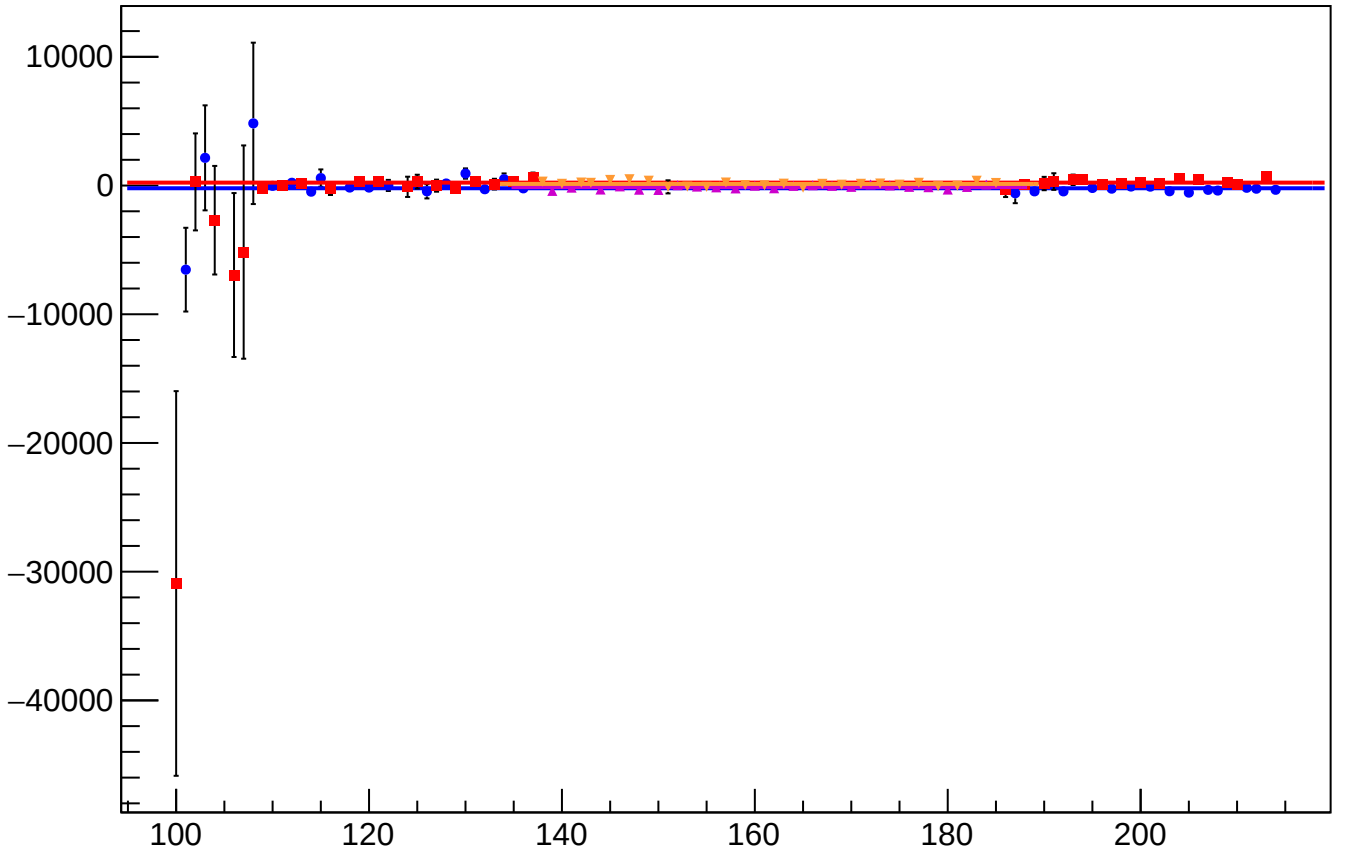
Right Out: 23.981+/-0.004 χ^2/NDF: 74579.7/33

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.695+/-0.003 χ^2/NDF: 176750.0/54

All: 24.623+/-0.002 χ^2/NDF: 324732.3/111

- sign 24.551+/-0.003 χ^2/NDF: 146699.2/56



Right In: -211.013+/-43.588 χ^2/NDF: 33.7/29

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: 227.080+/-43.632 χ^2/NDF: 31.3/33

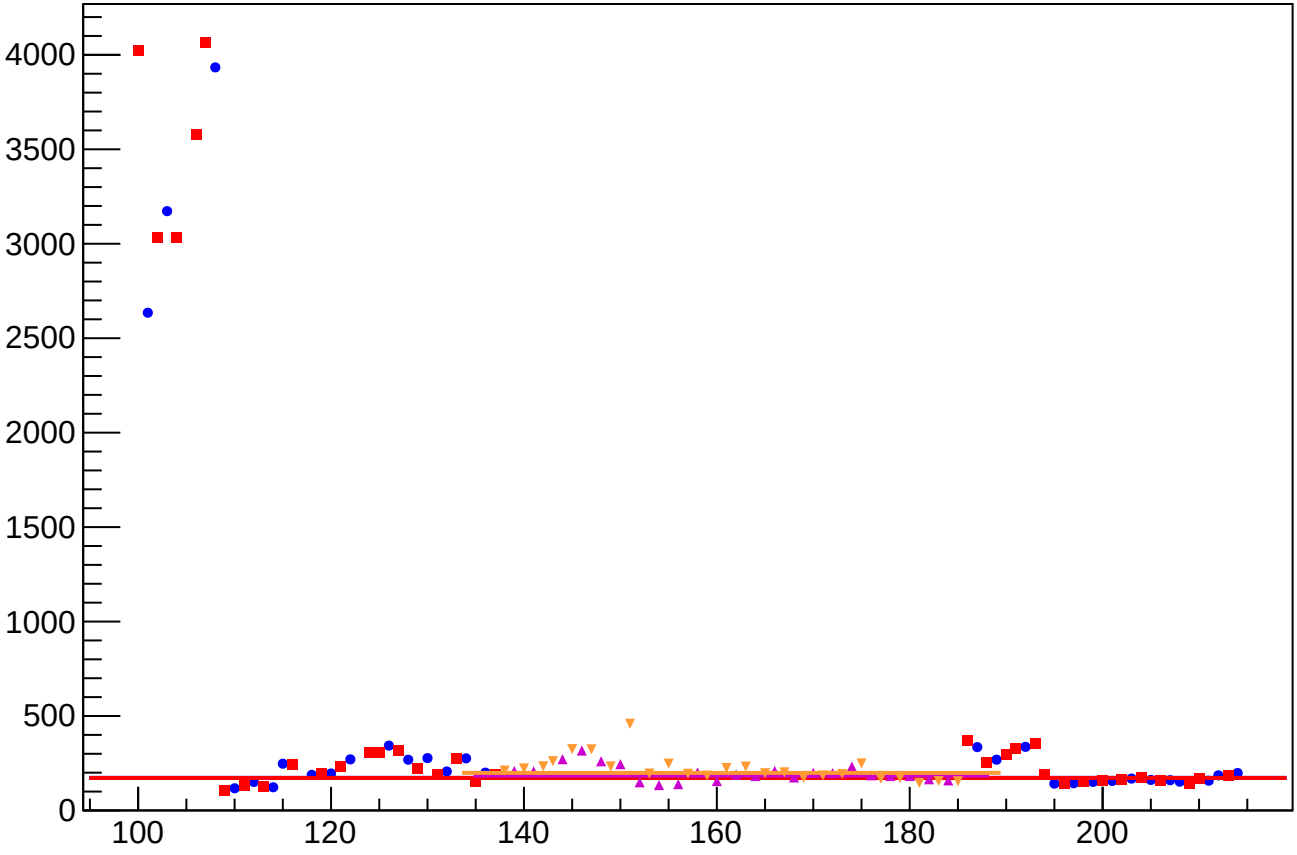
Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -55.306+/-31.936 χ^2/NDF: 72.4/54

All: 3.395+/-22.347 χ^2/NDF: 148.6/111

- sign 59.716+/-31.282 χ^2/NDF: 69.6/56

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug



Right In: 172.437+/-0.031 χ^2/NDF: 4910005.9/29

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

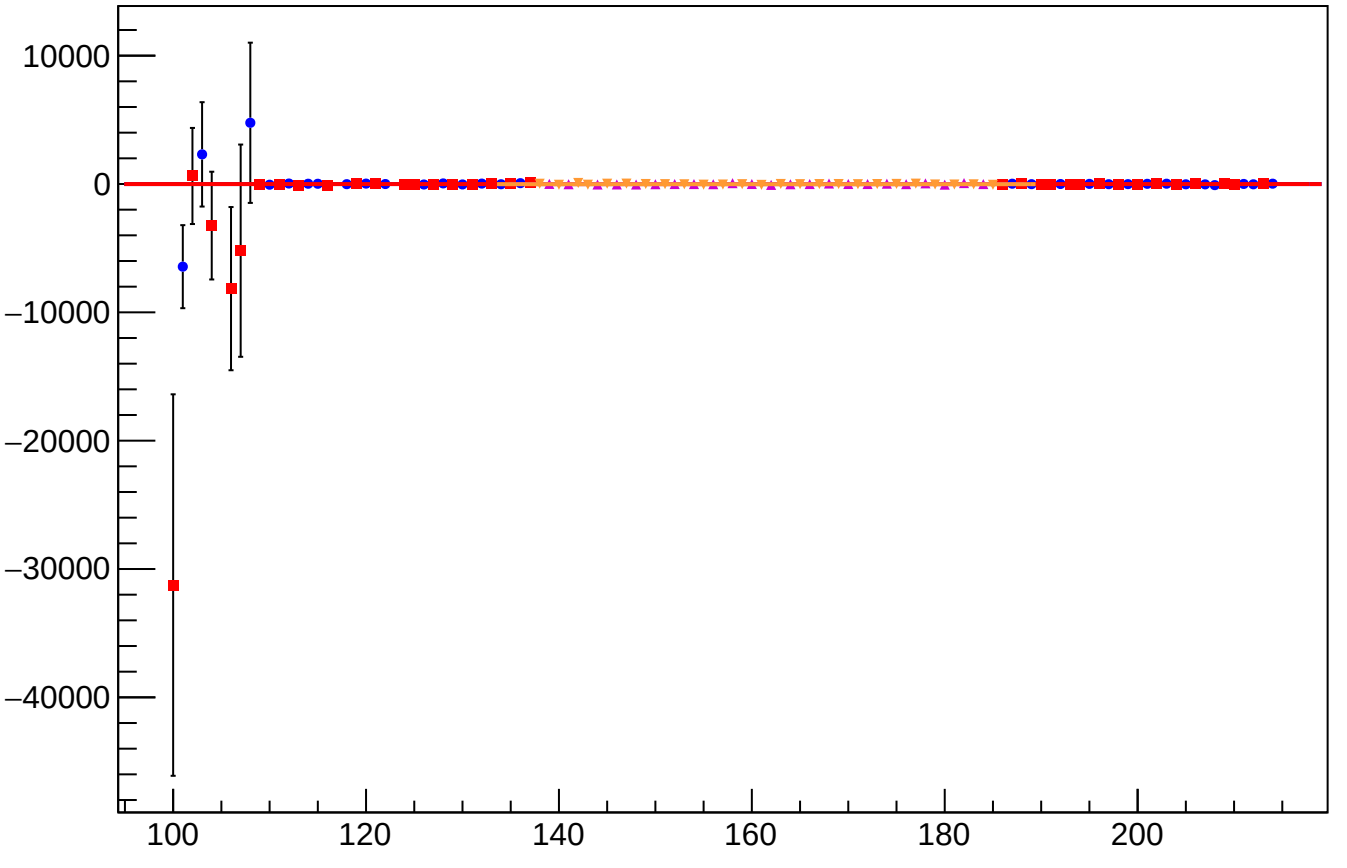
Right Out: 172.122+/-0.031 χ^2/NDF: 5587086.1/33

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 184.738+/-0.023 χ^2/NDF: 7156031.5/54

All: 181.344+/-0.016 χ^2/NDF: 14310625.2/11

- sign 178.088+/-0.022 χ^2/NDF: 7110347.6/56



Right In: -3.041+/-6.710 χ^2/NDF: 29.6/29

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -5.536+/-6.657 χ^2/NDF: 39.8/33

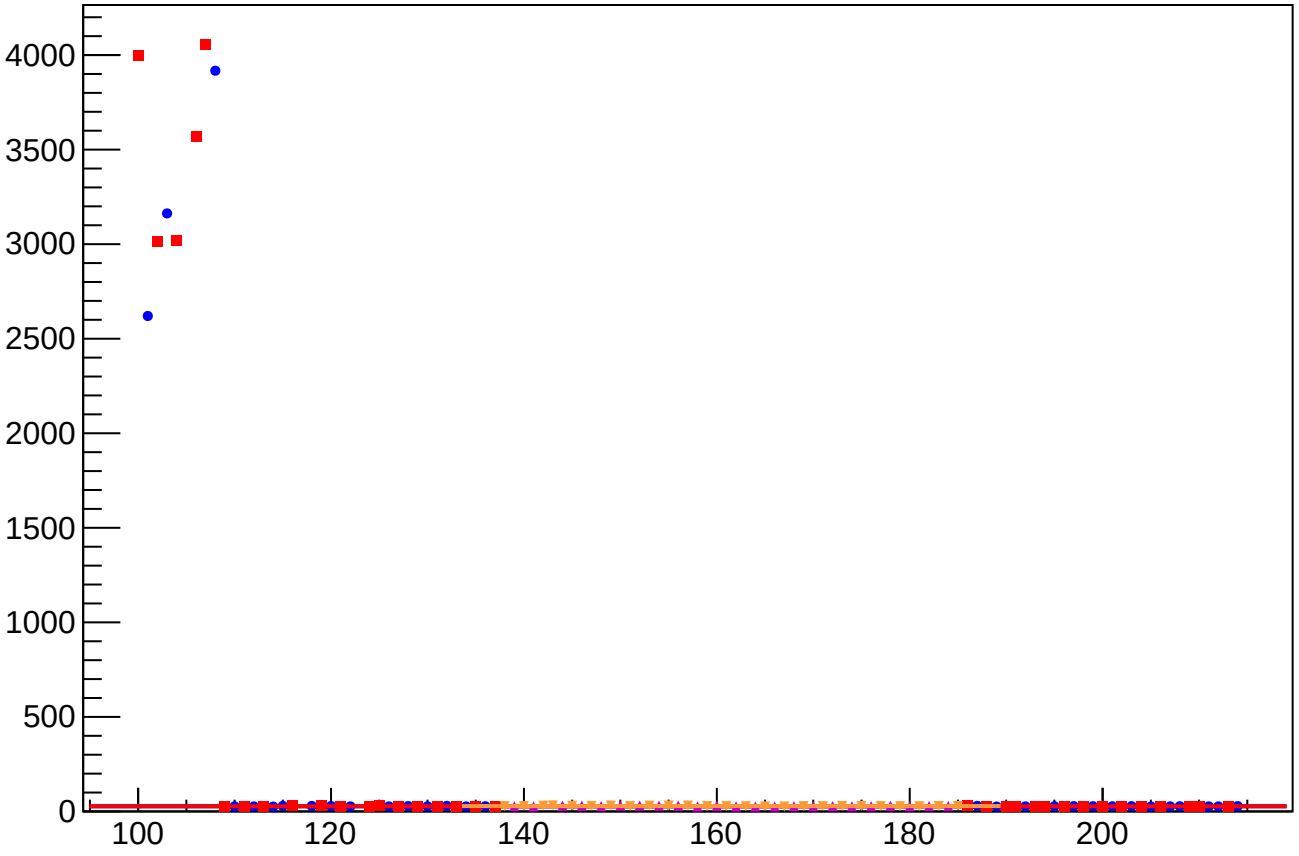
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -9.111+/-4.673 χ^2/NDF: 53.4/54

All: -6.517+/-3.322 χ^2/NDF: 122.2/111

- sign -3.866+/-4.724 χ^2/NDF: 68.2/56

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.391+/-0.005 χ^2/NDF: 3282600.9/29

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

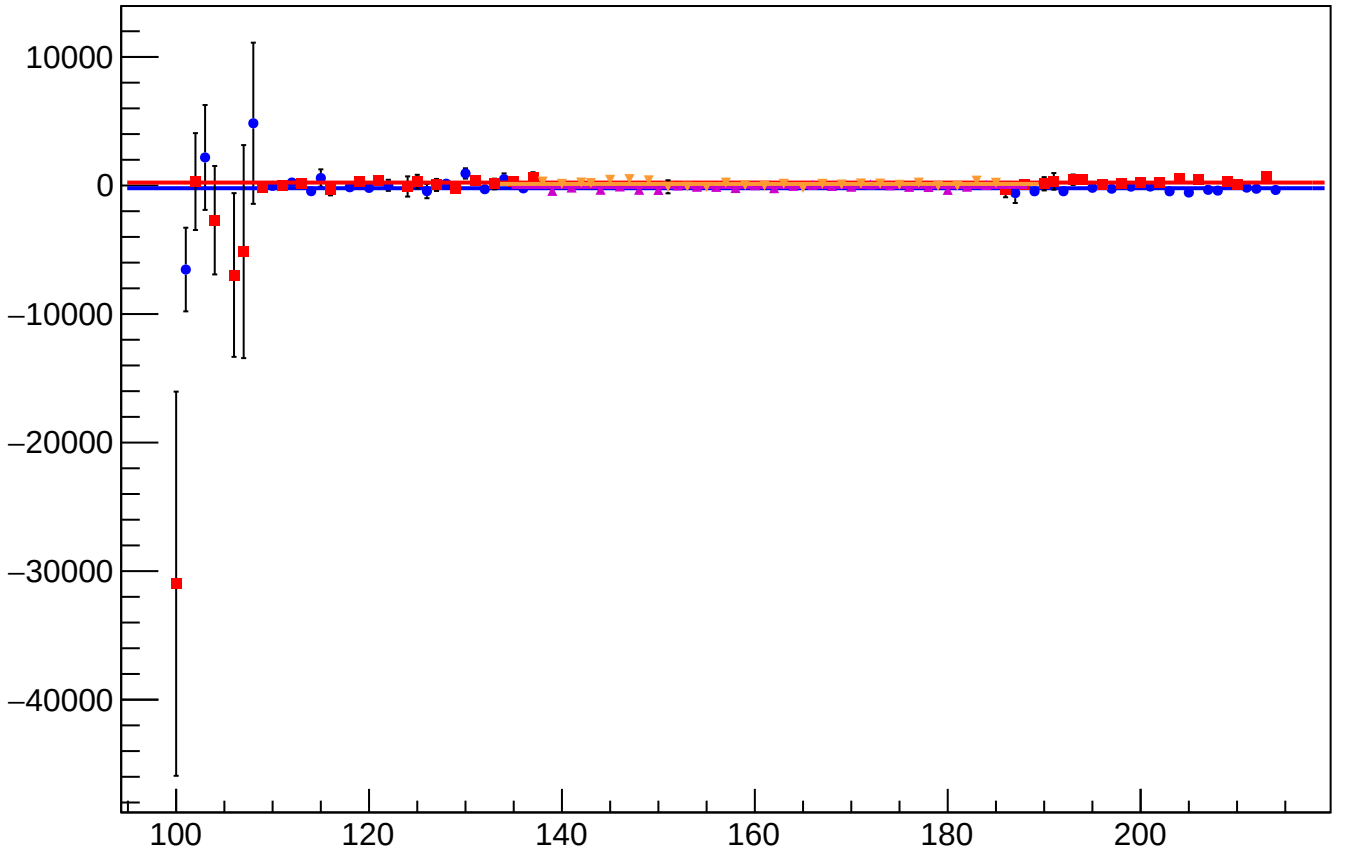
Right Out: 27.387+/-0.005 χ^2/NDF: 3595203.5/33

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

+ sign 28.006+/-0.003 χ^2/NDF: 3403367.6/54

All: 28.000+/-0.002 χ^2/NDF: 7154771.7/111

- sign 27.992+/-0.003 χ^2/NDF: 3751395.3/56



Right In: -212.164+/-43.461 χ^2/NDF: 34.2/29

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 227.884+/-43.510 χ^2/NDF: 32.2/33

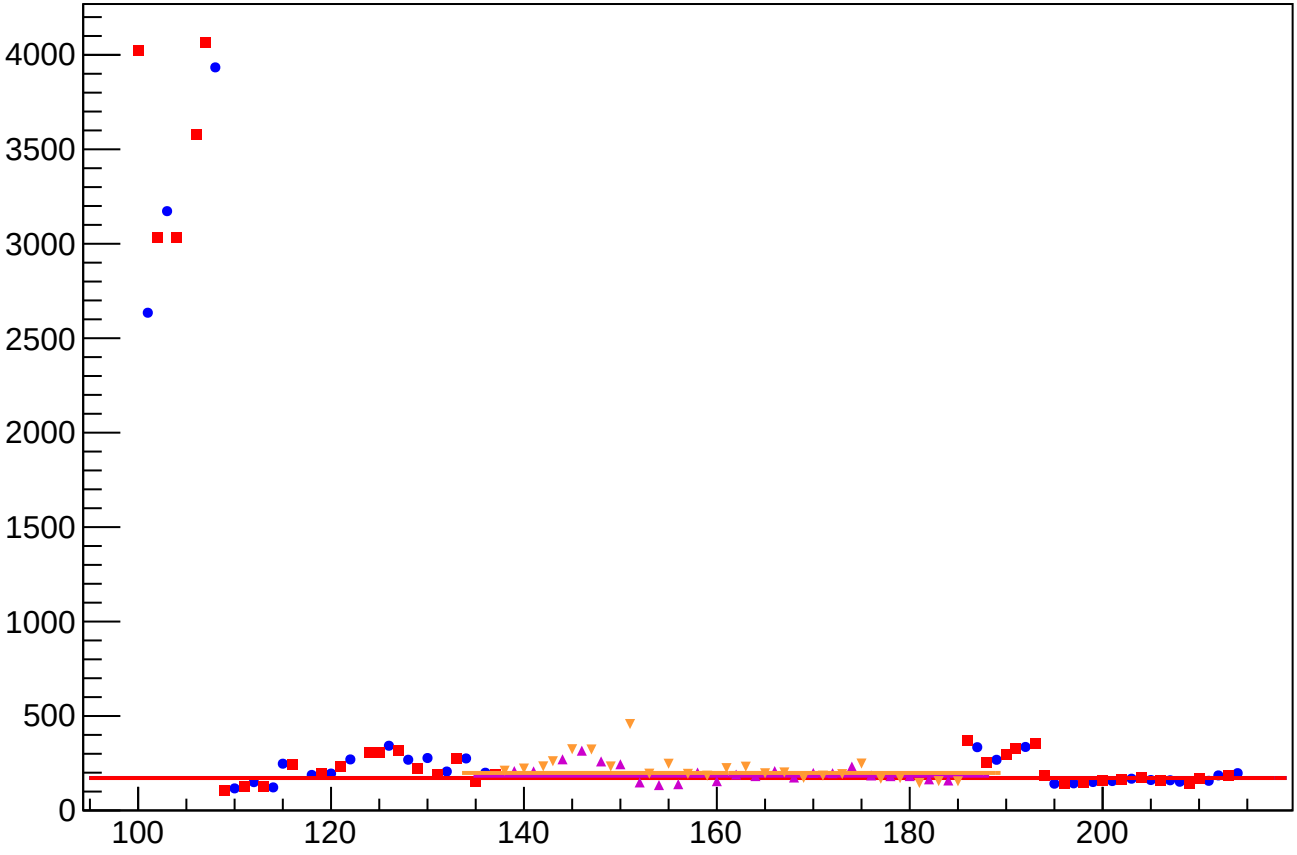
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -57.553+/-31.855 χ^2/NDF: 73.5/54

All: 2.834+/-22.292 χ^2/NDF: 151.6/111

- sign 60.794+/-31.207 χ^2/NDF: 71.0/56

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 171.901+/-0.031 χ^2/NDF: 4923725.9/29

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

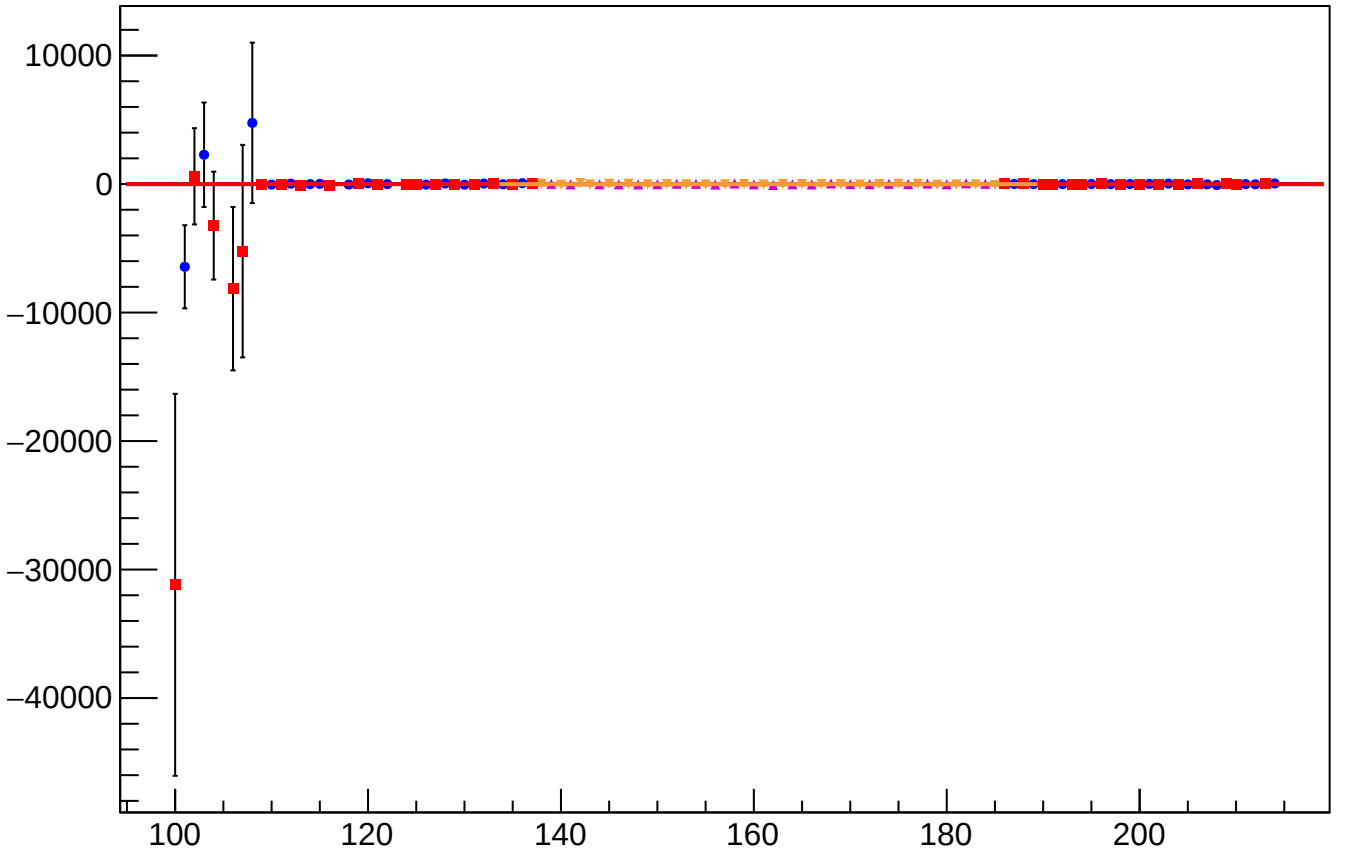
Right Out: 171.589+/-0.031 χ^2/NDF: 5605939.0/33

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.244+/-0.023 χ^2/NDF: 7173766.6/54

All: 180.874+/-0.016 χ^2/NDF: 14348645.4/11

- sign 177.640+/-0.022 χ^2/NDF: 7131023.0/56



Right In: -3.085+/-6.675 χ^2/NDF: 32.1/29

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -7.057+/-6.631 χ^2/NDF: 37.8/33

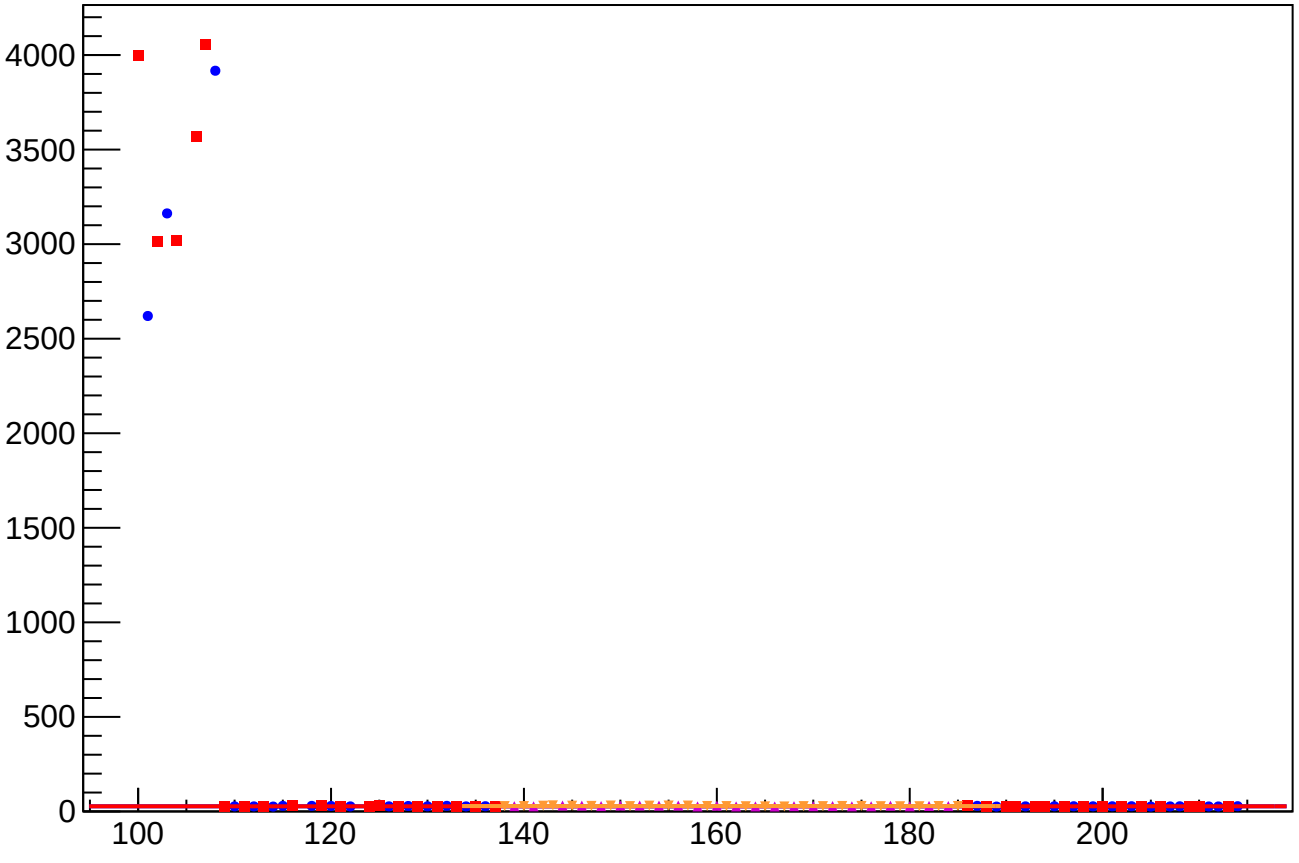
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.563+/-4.672 χ^2/NDF: 50.9/54

All: -6.222+/-3.322 χ^2/NDF: 111.2/111

- sign -4.851+/-4.724 χ^2/NDF: 60.2/56

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.245+/-0.005 χ^2/NDF: 3289111.4/29

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

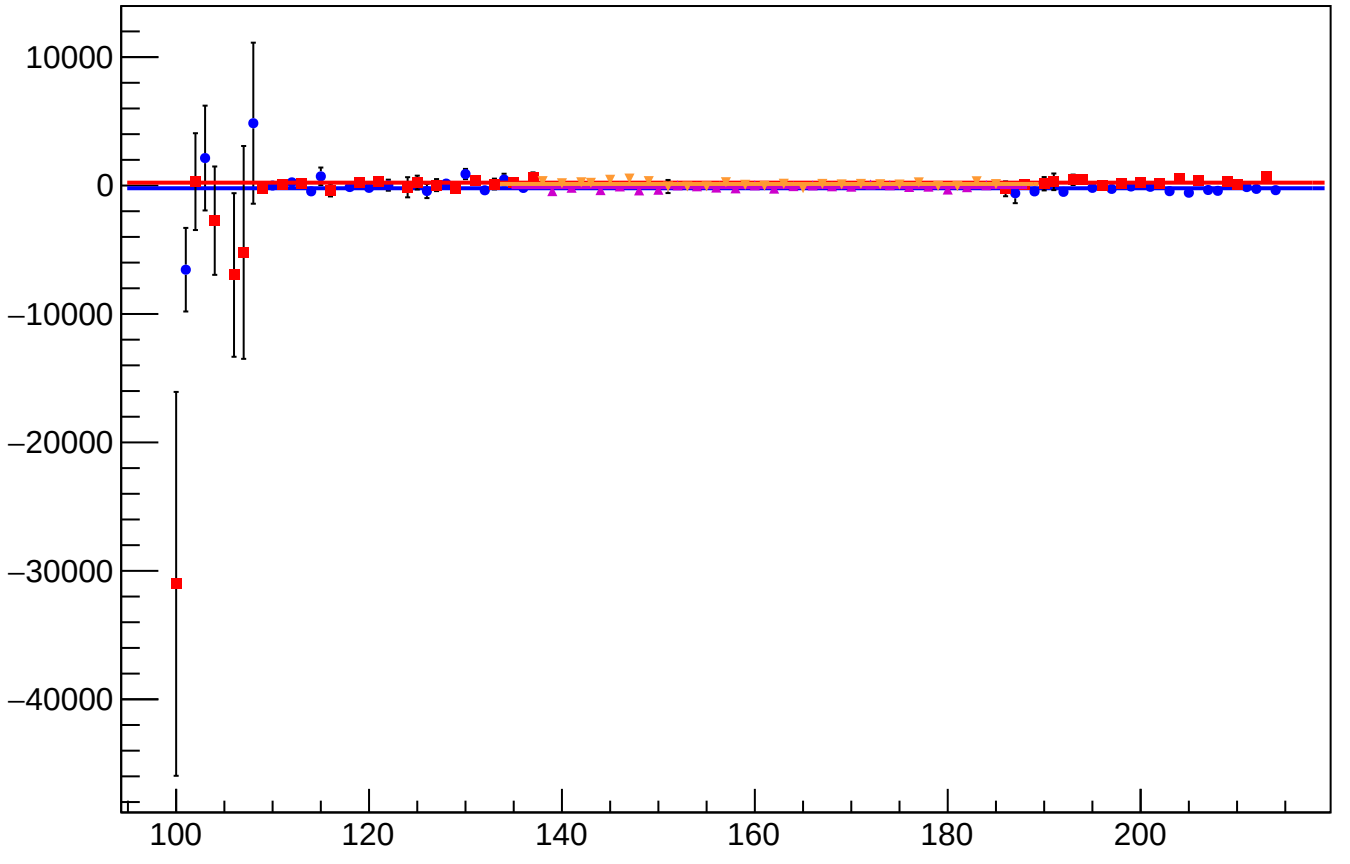
Right Out: 27.278+/-0.005 χ^2/NDF: 3598479.8/33

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.991+/-0.003 χ^2/NDF: 3436931.4/54

All: 27.992+/-0.002 χ^2/NDF: 7209842.1/111

\- sign 27.992+/-0.003 χ^2/NDF: 3772910.7/56



Right In: -211.923+/-43.778 χ^2/NDF: 35.4/29

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 224.411+/-43.836 χ^2/NDF: 31.2/33

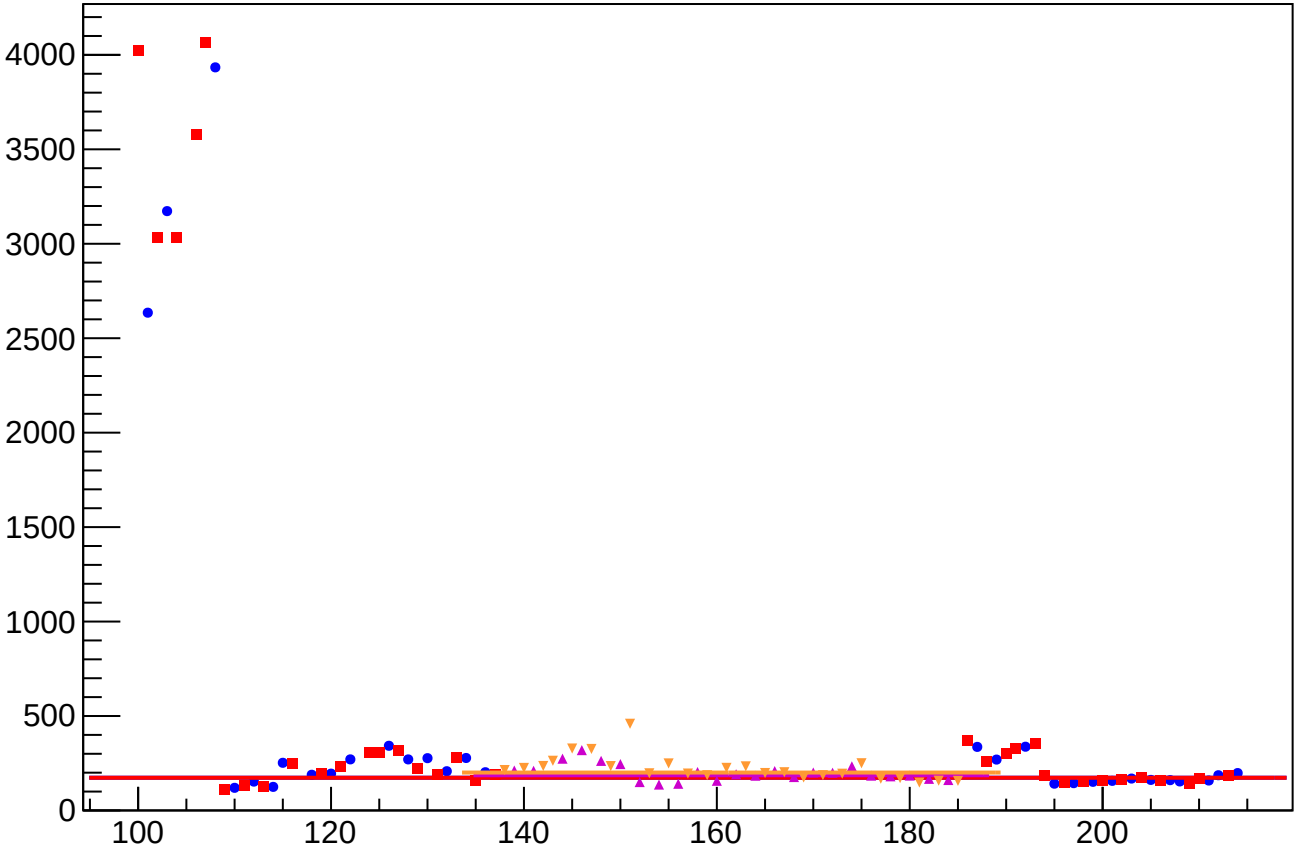
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -57.453+/-32.129 χ^2/NDF: 73.7/54

All: 0.546+/-22.490 χ^2/NDF: 150.2/111

- sign 56.267+/-31.491 χ^2/NDF: 70.1/56

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 173.263+/-0.031 χ^2/NDF: 4888371.3/29

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

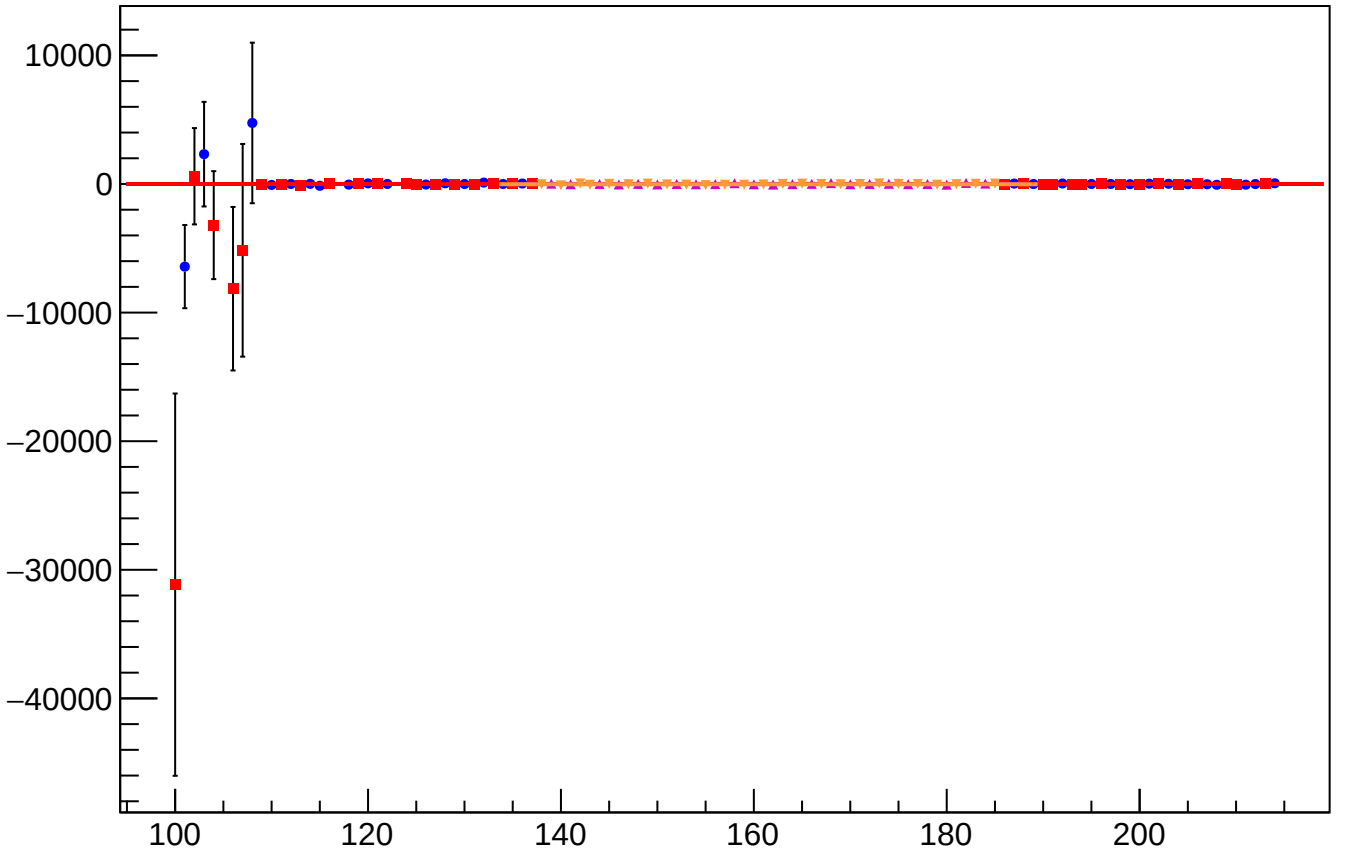
Right Out: 173.068+/-0.031 χ^2/NDF: 5542669.6/33

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 185.916+/-0.023 χ^2/NDF: 7130524.9/54

All: 182.597+/-0.016 χ^2/NDF: 14214873.6/11

- sign 179.408+/-0.022 χ^2/NDF: 7042499.1/56



Right In: 0.418+/-8.147 χ^2/NDF: 28.0/29

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 0.913+/-8.095 χ^2/NDF: 35.4/33

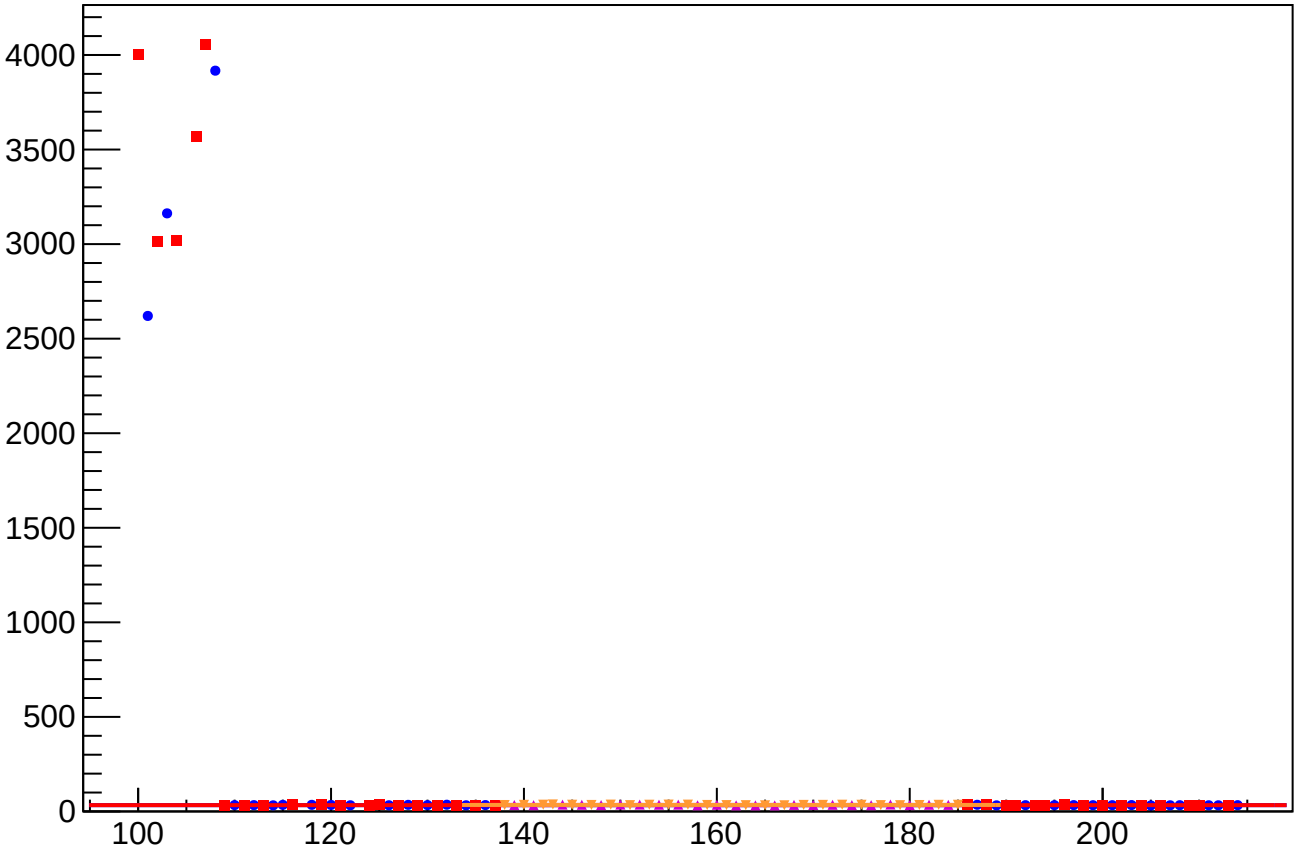
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -10.827+/-5.647 χ^2/NDF: 54.6/54

All: -4.262+/-4.019 χ^2/NDF: 111.7/111

\- sign 2.473+/-5.720 χ^2/NDF: 54.4/56

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.288+/-0.006 χ^2/NDF: 3257050.4/29

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

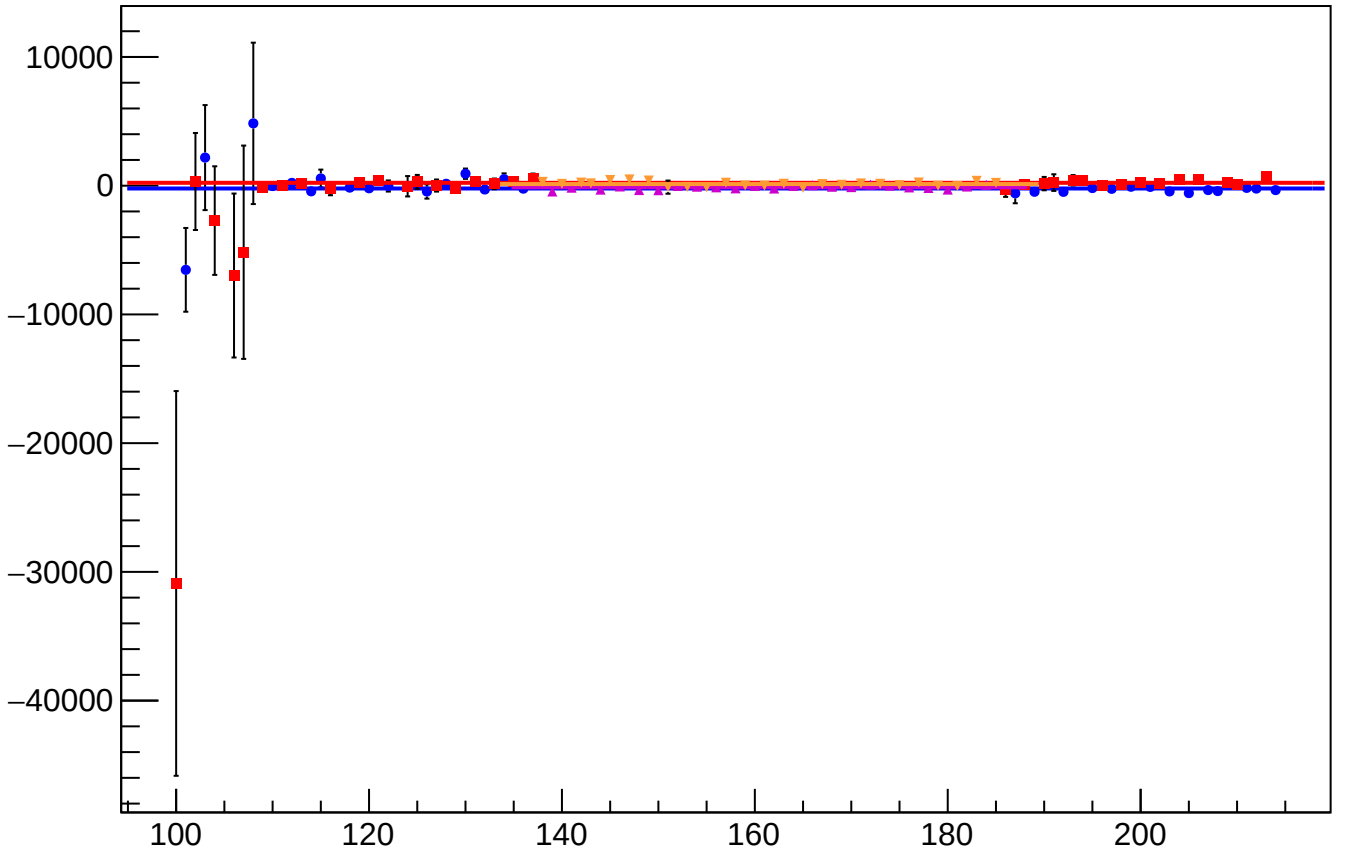
Right Out: 33.350+/-0.006 χ^2/NDF: 3550001.9/33

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.886+/-0.004 χ^2/NDF: 3322473.2/54

All: 33.918+/-0.003 χ^2/NDF: 6953970.1/111

- sign 33.952+/-0.004 χ^2/NDF: 3631360.7/56



Right In: -216.795+/-43.647 χ^2/NDF: 34.4/29

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

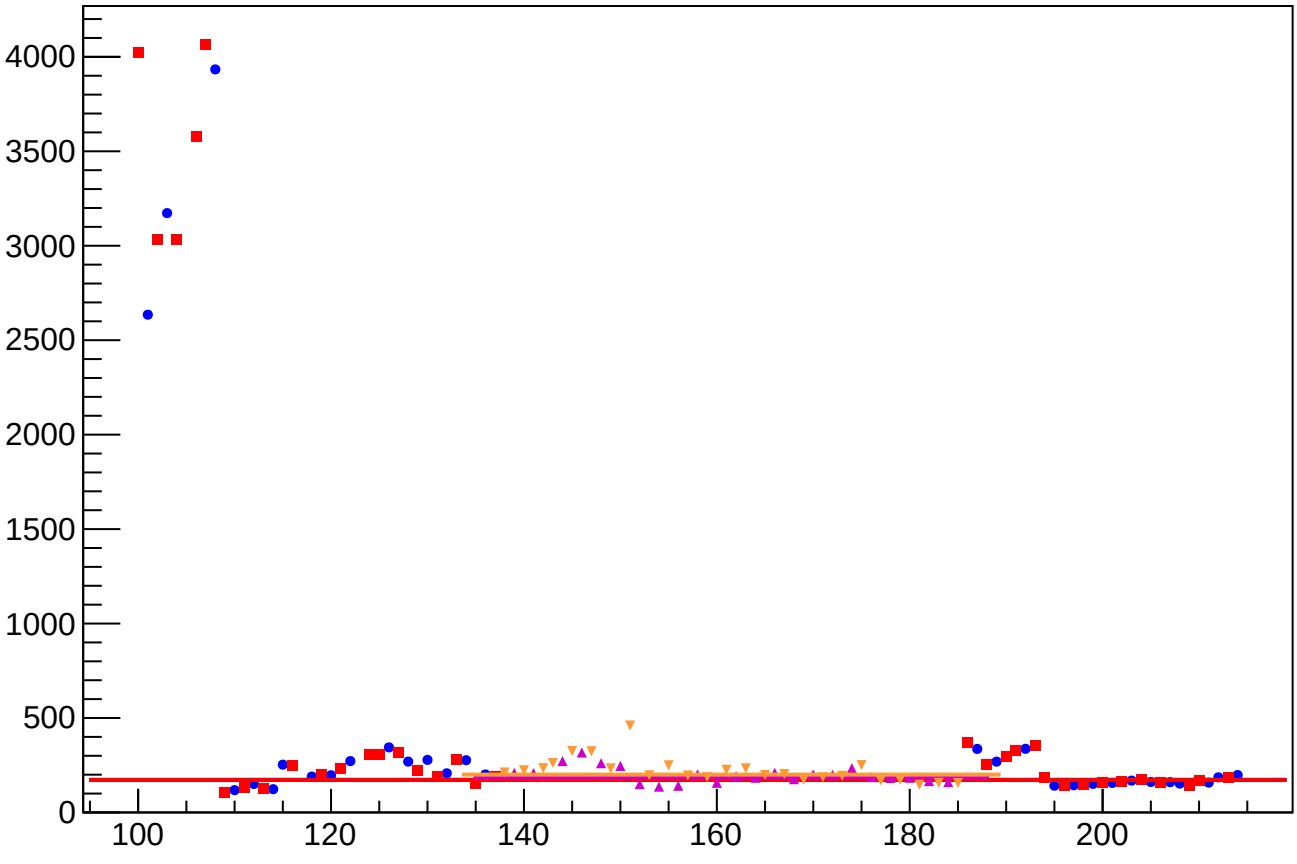
Right Out: 224.648+/-43.682 χ^2/NDF: 30.4/33

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -58.104+/-32.055 χ^2/NDF: 74.8/54

All: 0.538+/-22.435 χ^2/NDF: 150.3/111

- sign 56.846+/-31.410 χ^2/NDF: 69.0/56



Right In: 172.653+/-0.031 χ^2/NDF: 4918712.8/29

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

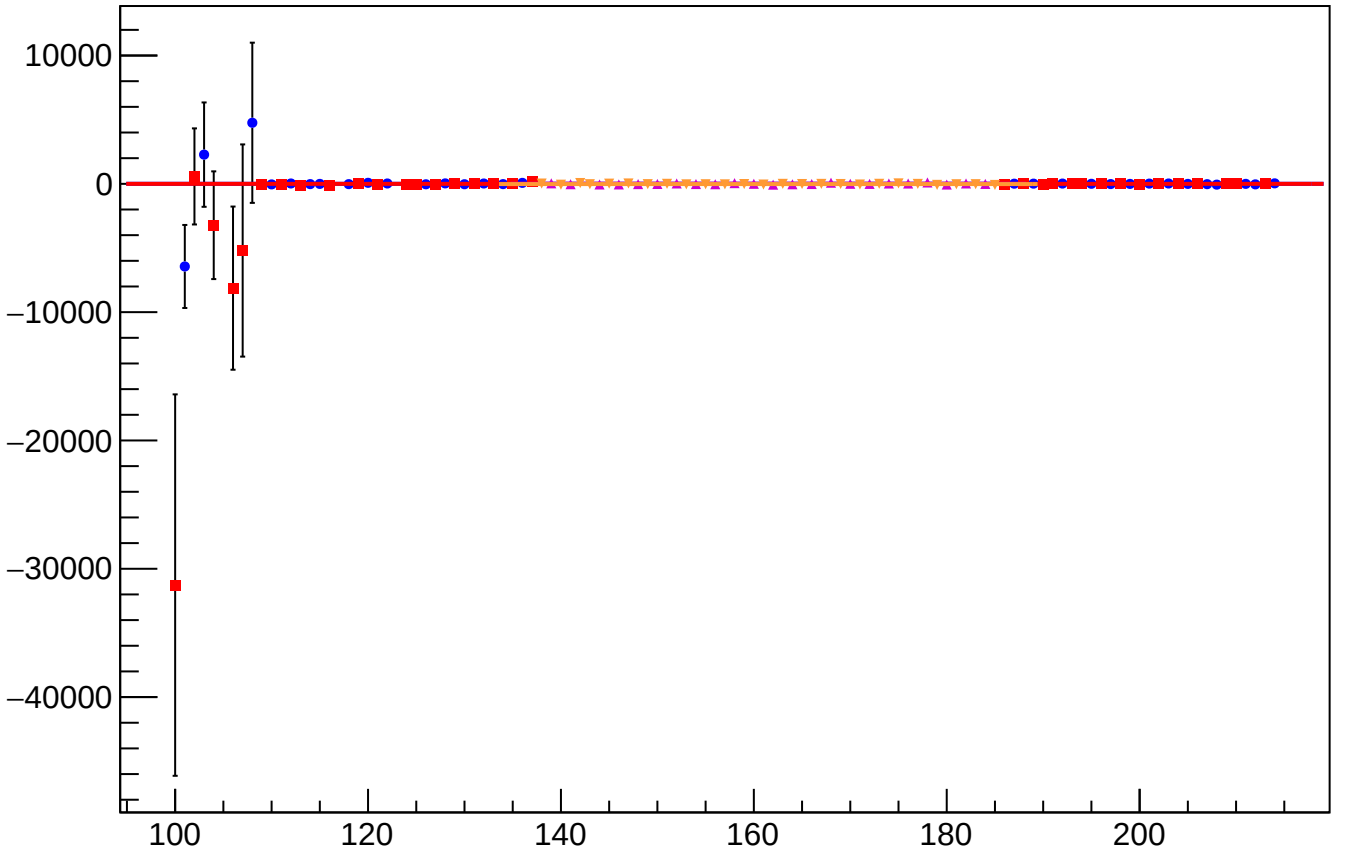
Right Out: 172.313+/-0.031 χ^2/NDF: 5593336.3/33

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.422+/-0.023 χ^2/NDF: 7166820.3/54

All: 182.075+/-0.016 χ^2/NDF: 14301474.9/11

- sign 178.861+/-0.022 χ^2/NDF: 7091909.6/56



Right In: 2.792+/-7.373 χ^2/NDF: 25.7/29

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: -0.403+/-7.326 χ^2/NDF: 44.4/33

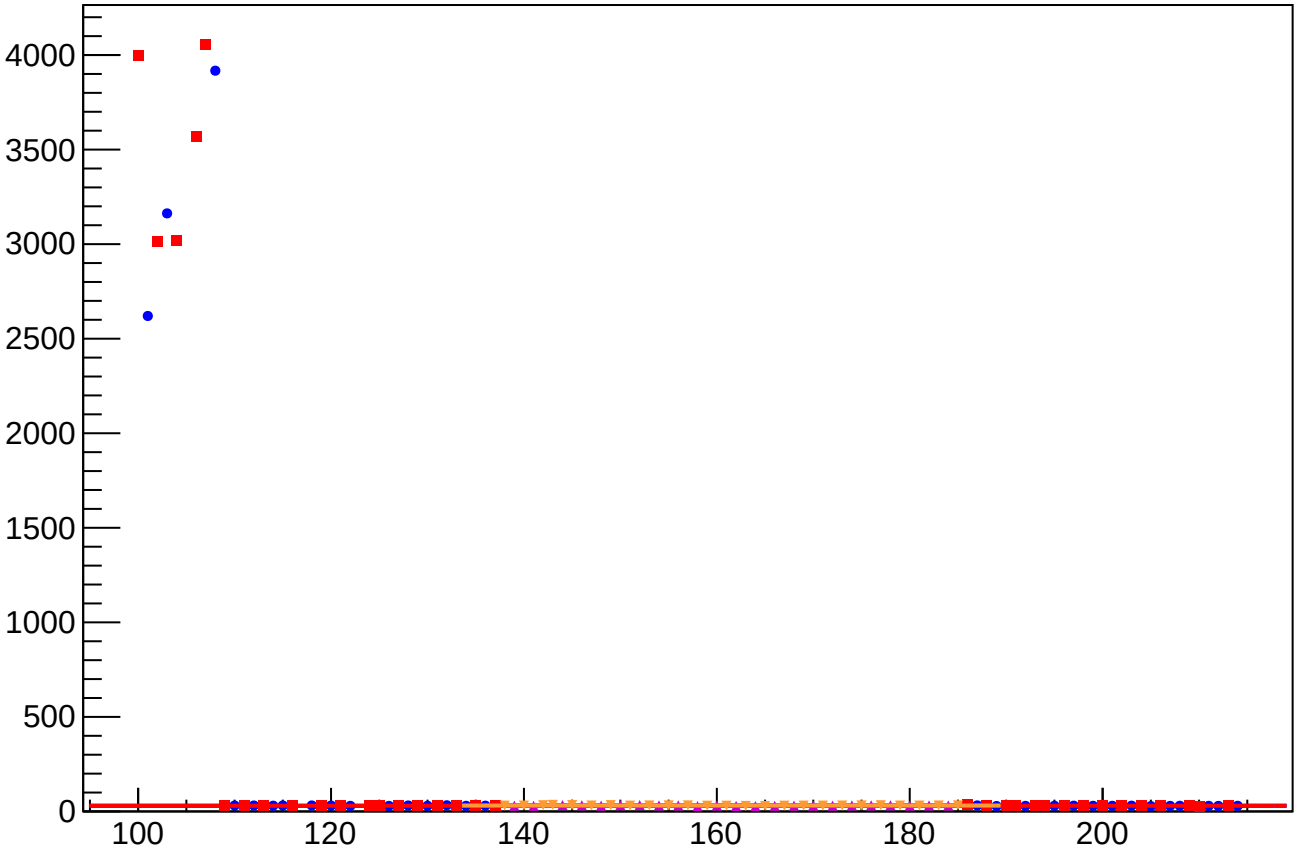
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -8.245+/-5.127 χ^2/NDF: 50.4/54

All: -3.604+/-3.647 χ^2/NDF: 132.1/111

- sign 1.149+/-5.188 χ^2/NDF: 80.0/56

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.106+/-0.005 χ^2/NDF: 3275523.3/29

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

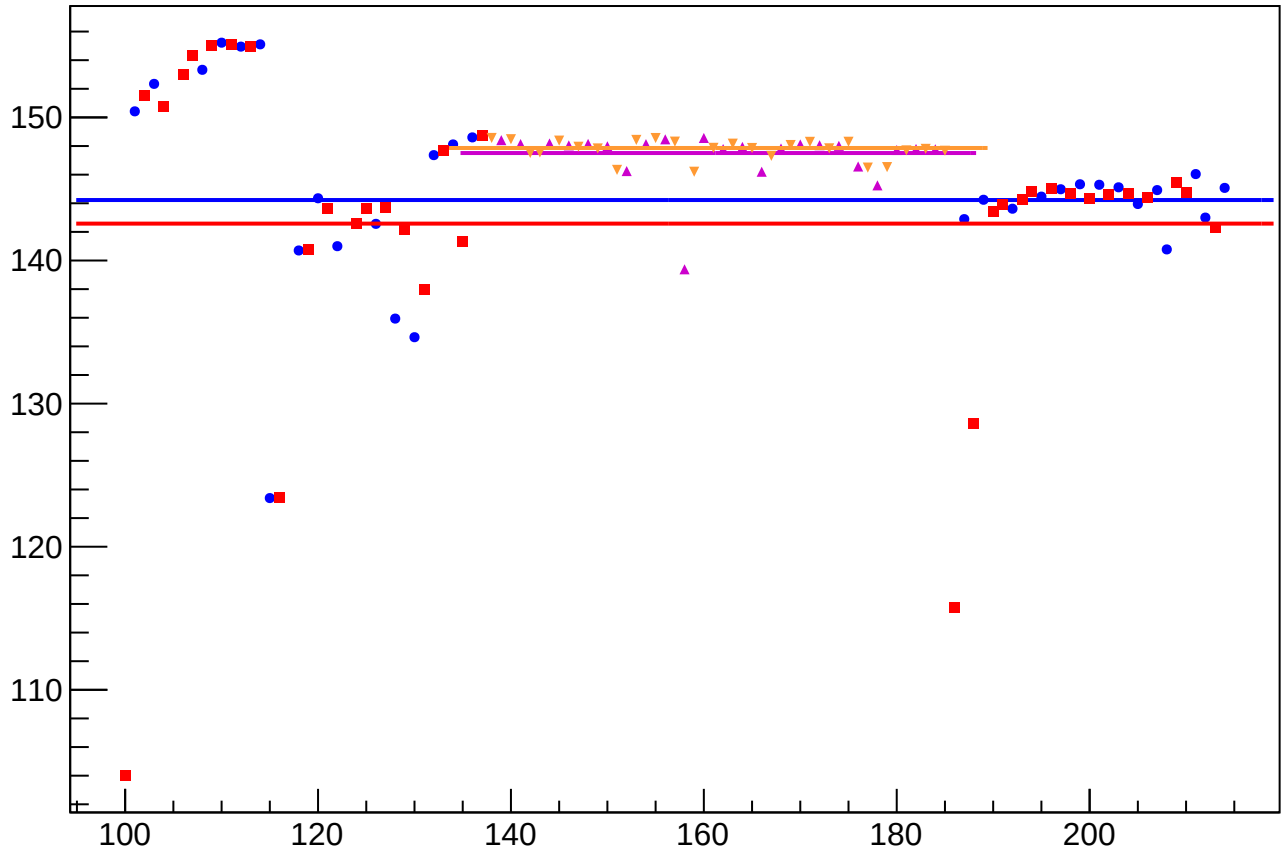
Right Out: 30.155+/-0.005 χ^2/NDF: 3570416.2/33

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.743+/-0.004 χ^2/NDF: 3367478.2/54

All: 30.754+/-0.003 χ^2/NDF: 7050975.0/111

- sign 30.766+/-0.004 χ^2/NDF: 3683477.6/56



Right In: 144.227+/-0.000 χ^2/NDF: 3779529560.4/29

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.579+/-0.000 χ^2/NDF: 7580499441.5/33

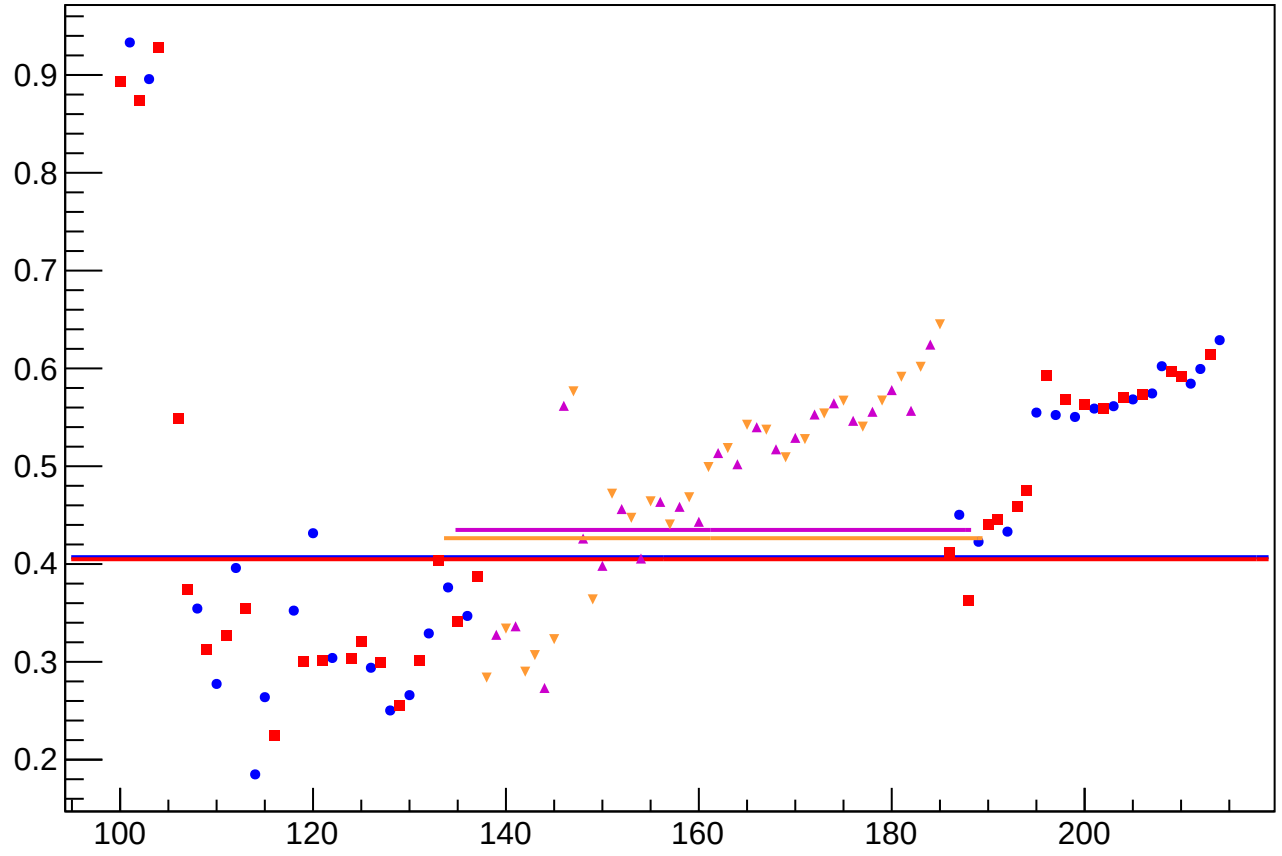
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.084+/-0.000 χ^2/NDF: 4452763805.6/54

All: 145.502+/-0.000 χ^2/NDF: 13610339491.

- sign 144.916+/-0.000 χ^2/NDF: 9028575821.2/56

yield_bcm_target_rms vs Slug



Right In: 0.407+/-0.000 χ^2/NDF: 3780519.5/29

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

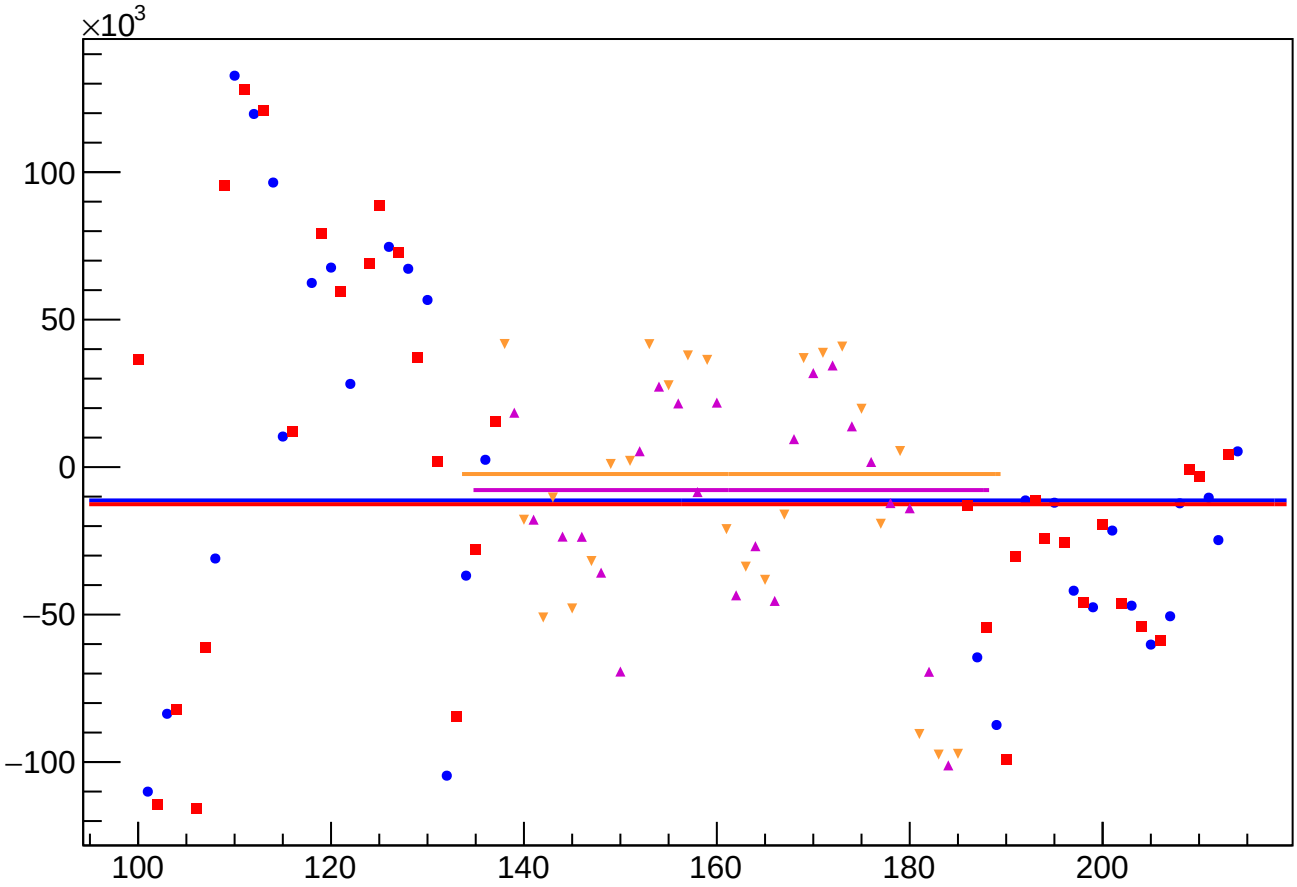
Right Out: 0.405+/-0.000 χ^2/NDF: 3469446.3/33

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.417+/-0.000 χ^2/NDF: 6075490.6/54

All: 0.418+/-0.000 χ^2/NDF: 11405017.7/111

- sign 0.419+/-0.000 χ^2/NDF: 5328622.6/56



Right In: -11296.814+/-1.291 χ^2/NDF: 1947751222.3/29

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -12587.511+/-1.232 χ^2/NDF: 2404443284.9/33

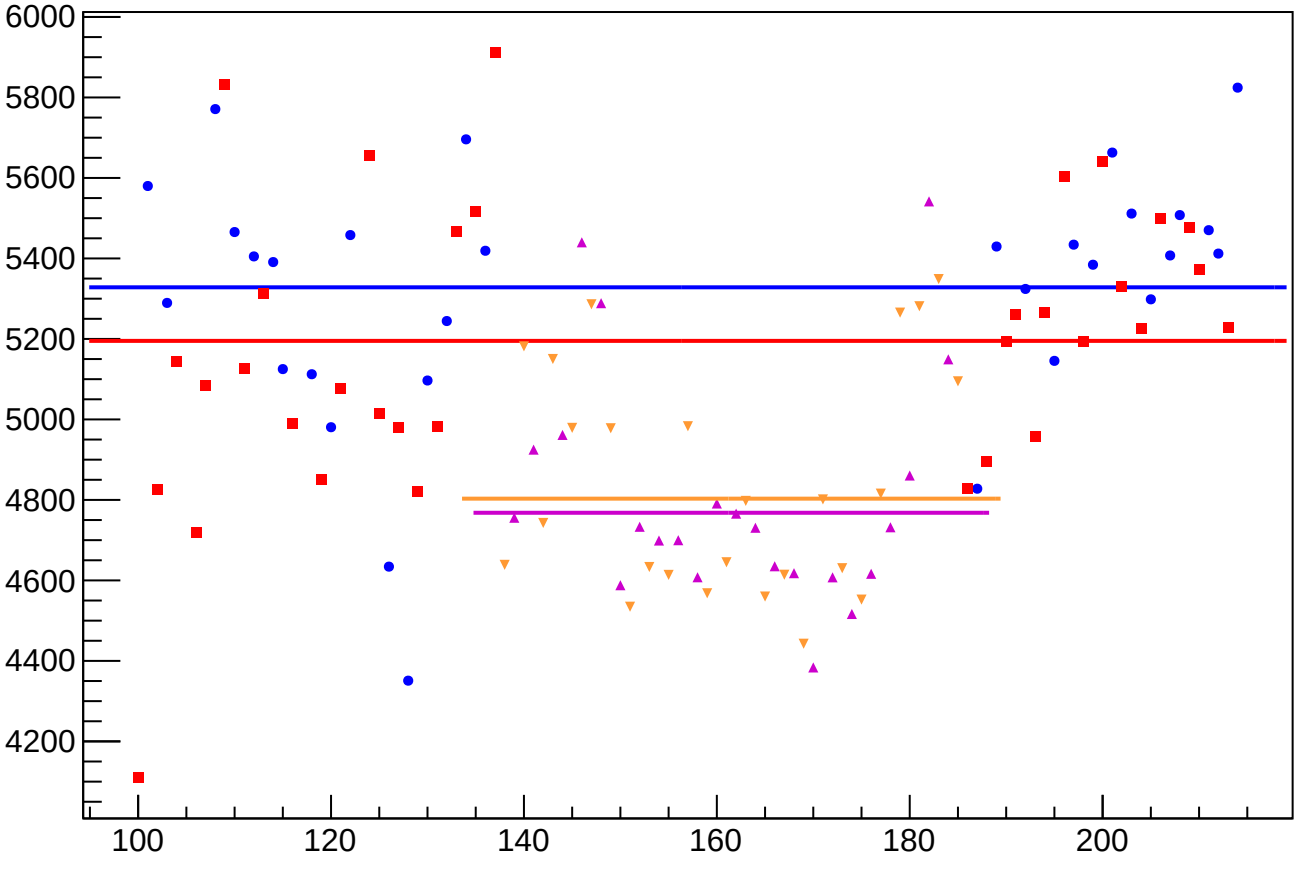
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -6200.529+/-0.848 χ^2/NDF: 3205136869.7/5

All: -8125.593+/-0.596 χ^2/NDF: 6390432053

- sign -10010.565+/-0.839 χ^2/NDF: 3175083966.9/5

yield_bcm_an_diff_rms vs Slug



Right In: 5328.258+/-0.913 χ^2/NDF: 115221.3/29

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

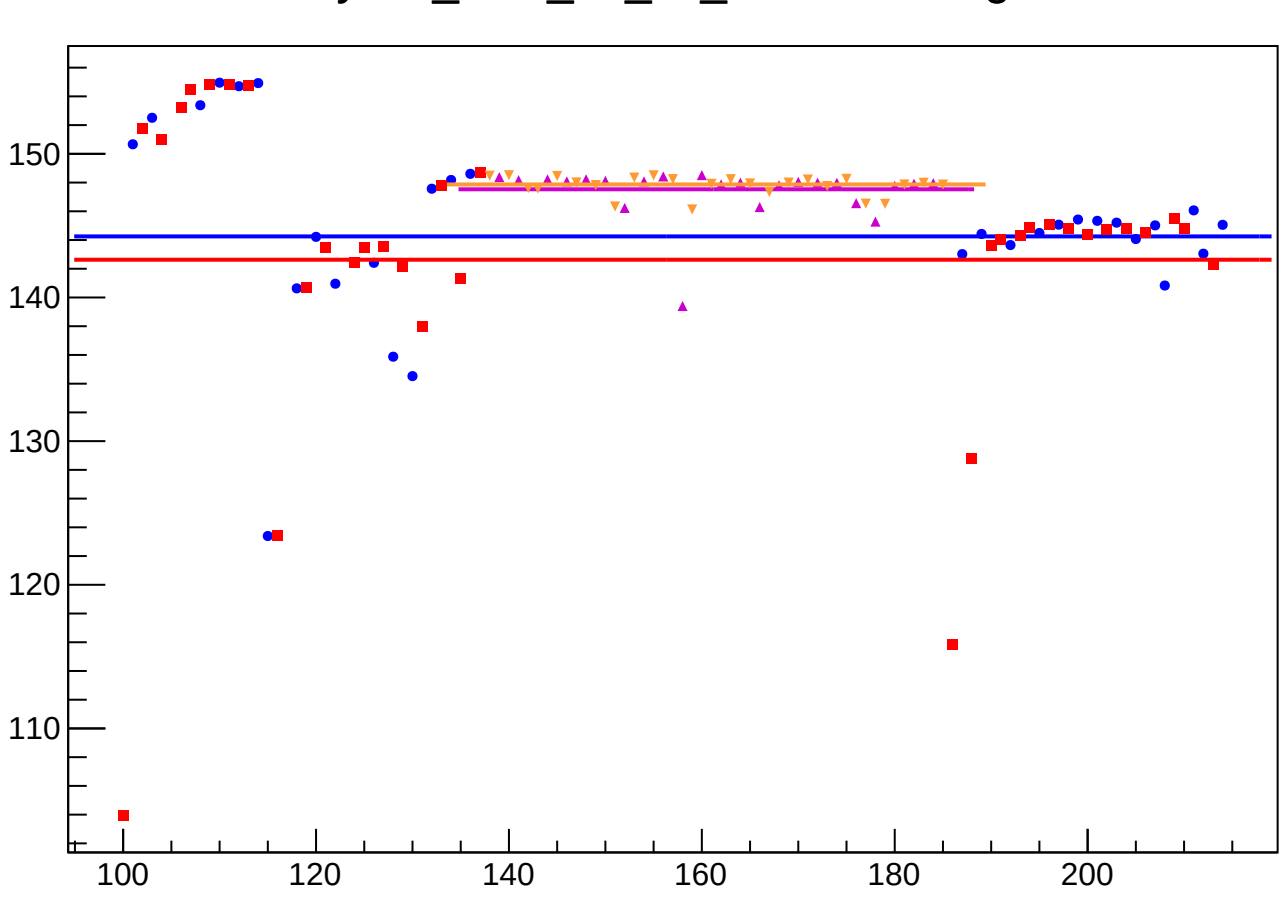
Right Out: 5195.155+/-0.871 χ^2/NDF: 110796.2/33

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5029.310+/-0.599 χ^2/NDF: 418168.5/54

All: 4997.245+/-0.422 χ^2/NDF: 765960.4/111

- sign 4965.847+/-0.593 χ^2/NDF: 342125.5/56



Right In: 144.252+/-0.000 χ^2/NDF: 3820649677.2/29

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.629+/-0.000 χ^2/NDF: 7555855292.0/33

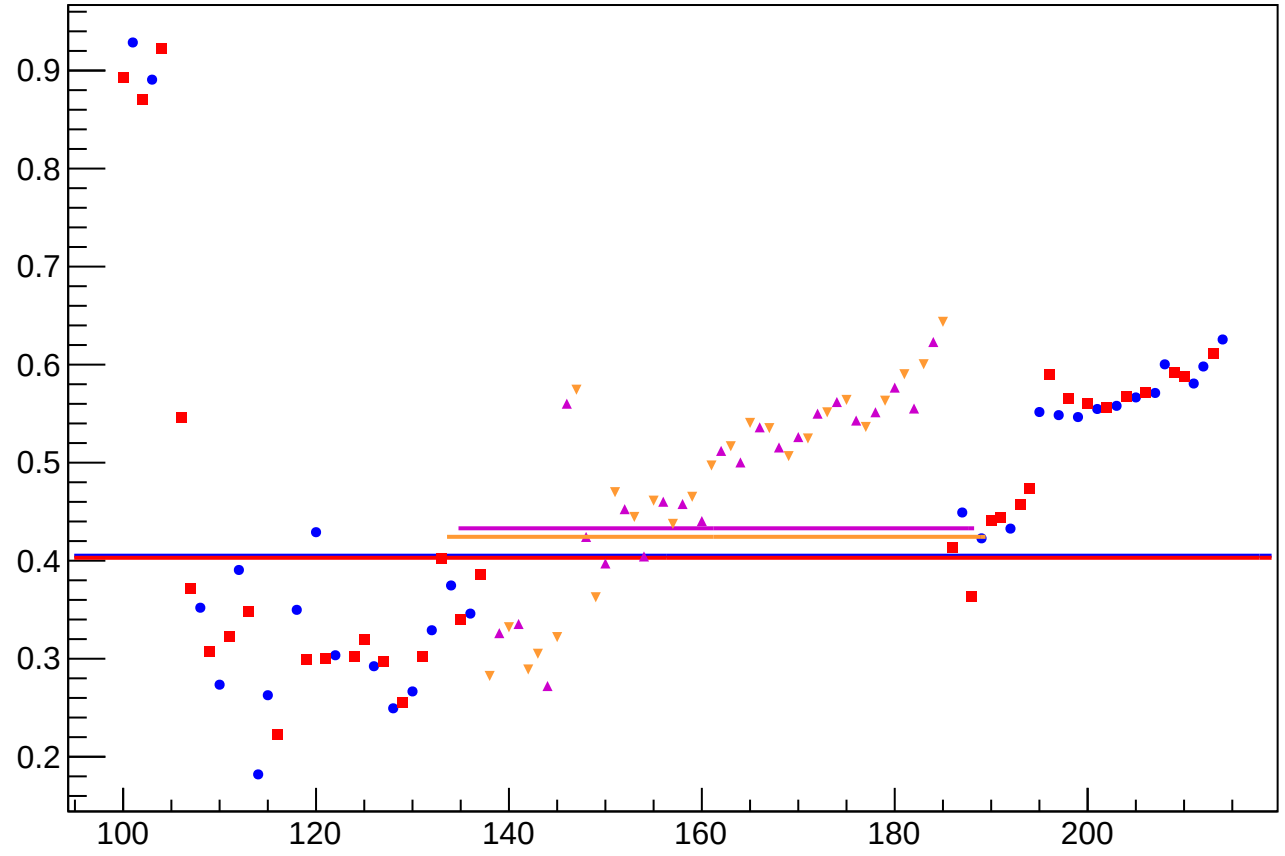
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.099+/-0.000 χ^2/NDF: 4492658280.2/54

All: 145.528+/-0.000 χ^2/NDF: 13619871643.

- sign 144.951+/-0.000 χ^2/NDF: 9001311978.1/56

yield_bcm_an_ds_rms vs Slug



Right In: 0.405+/-0.000 χ^2/NDF: 3779517.7/29

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

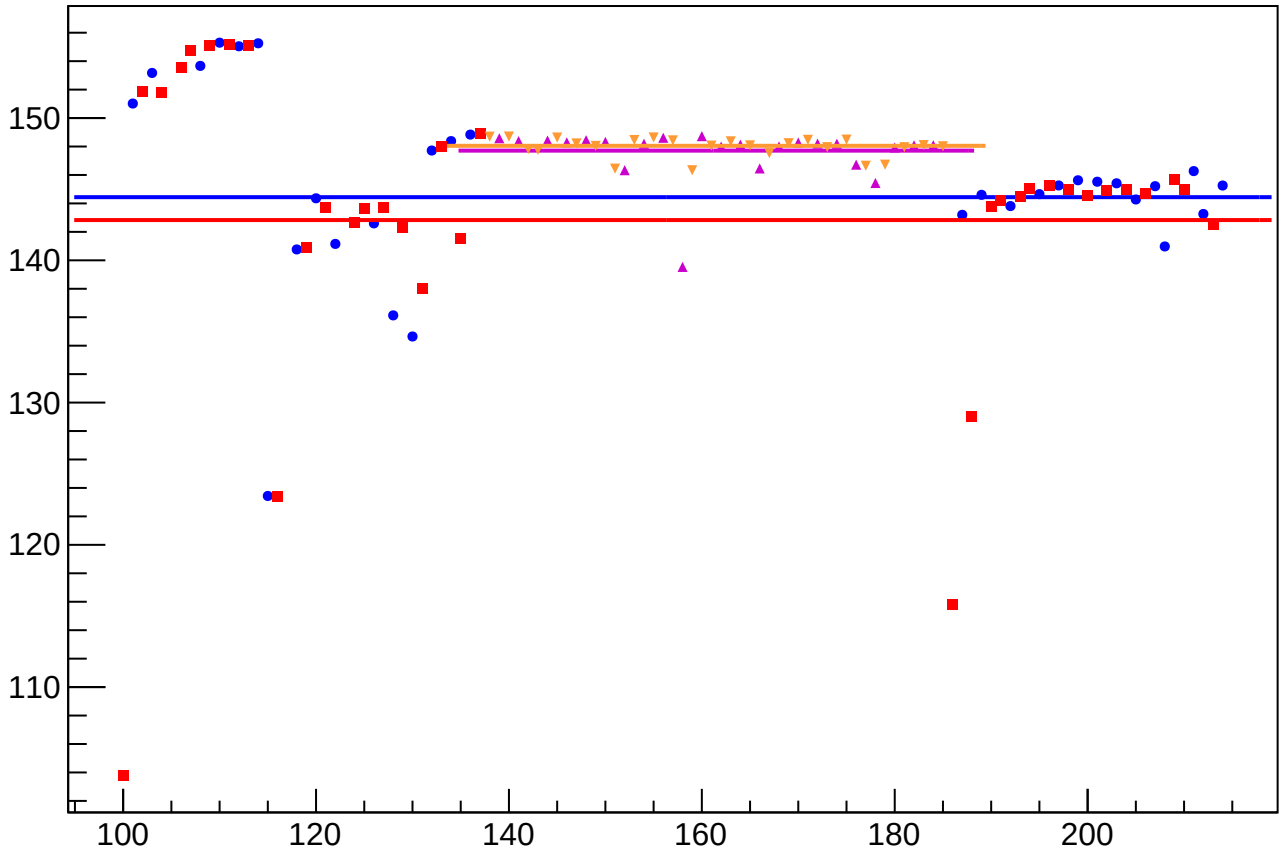
Right Out: 0.403+/-0.000 χ^2/NDF: 3475051.1/33

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.415+/-0.000 χ^2/NDF: 6075810.9/54

All: 0.416+/-0.000 χ^2/NDF: 11408612.5/111

- sign 0.417+/-0.000 χ^2/NDF: 5331801.9/56



Right In: 144.439+/-0.000 χ^2/NDF: 3815030504.4/29

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.830+/-0.000 χ^2/NDF: 7490122513.5/33

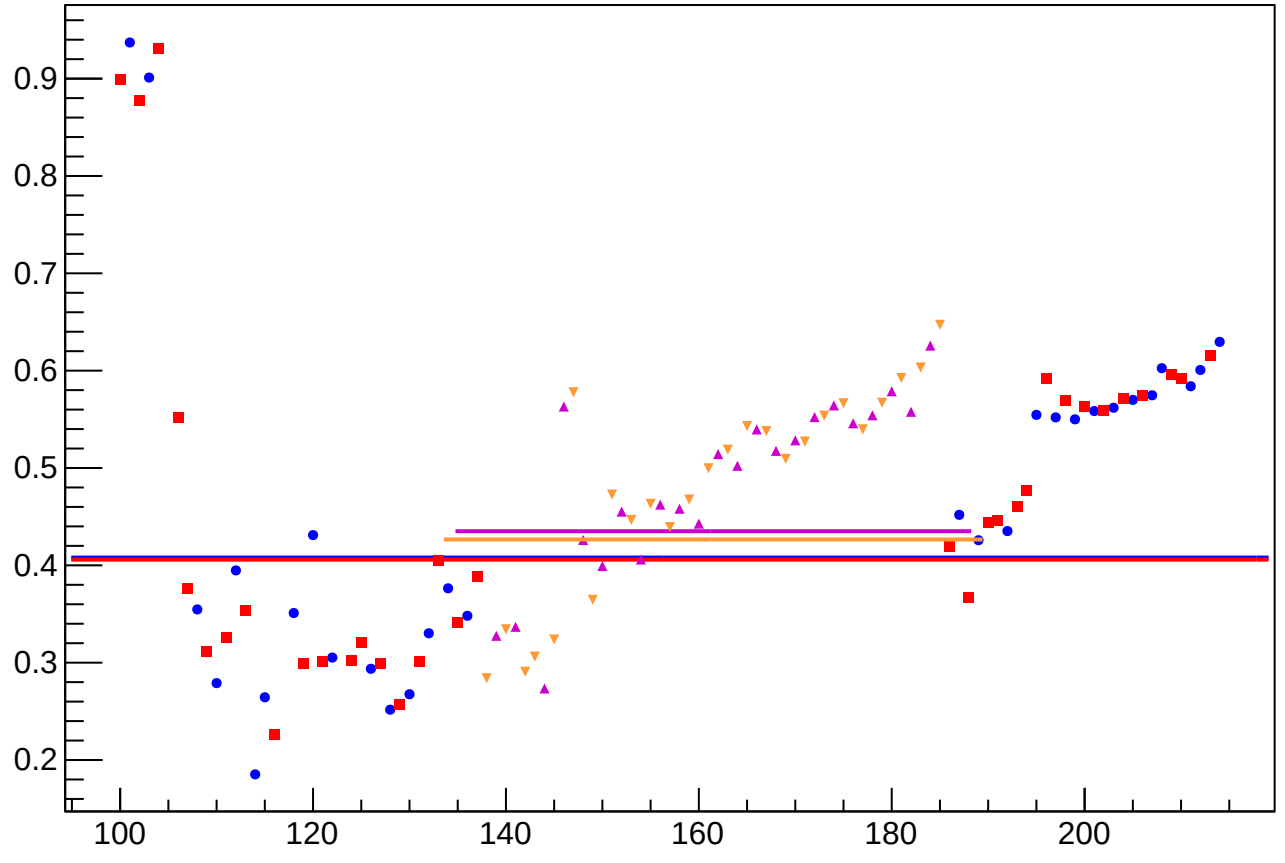
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.286+/-0.000 χ^2/NDF: 4477349797.9/54

All: 145.719+/-0.000 χ^2/NDF: 13516349262.

- sign 145.147+/-0.000 χ^2/NDF: 8916753606.4/56

yield_bcm_an_ds3_rms vs Slug



Right In: 0.408+/-0.000 χ^2/NDF: 3762709.1/29

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.406+/-0.000 χ^2/NDF: 3467571.7/33

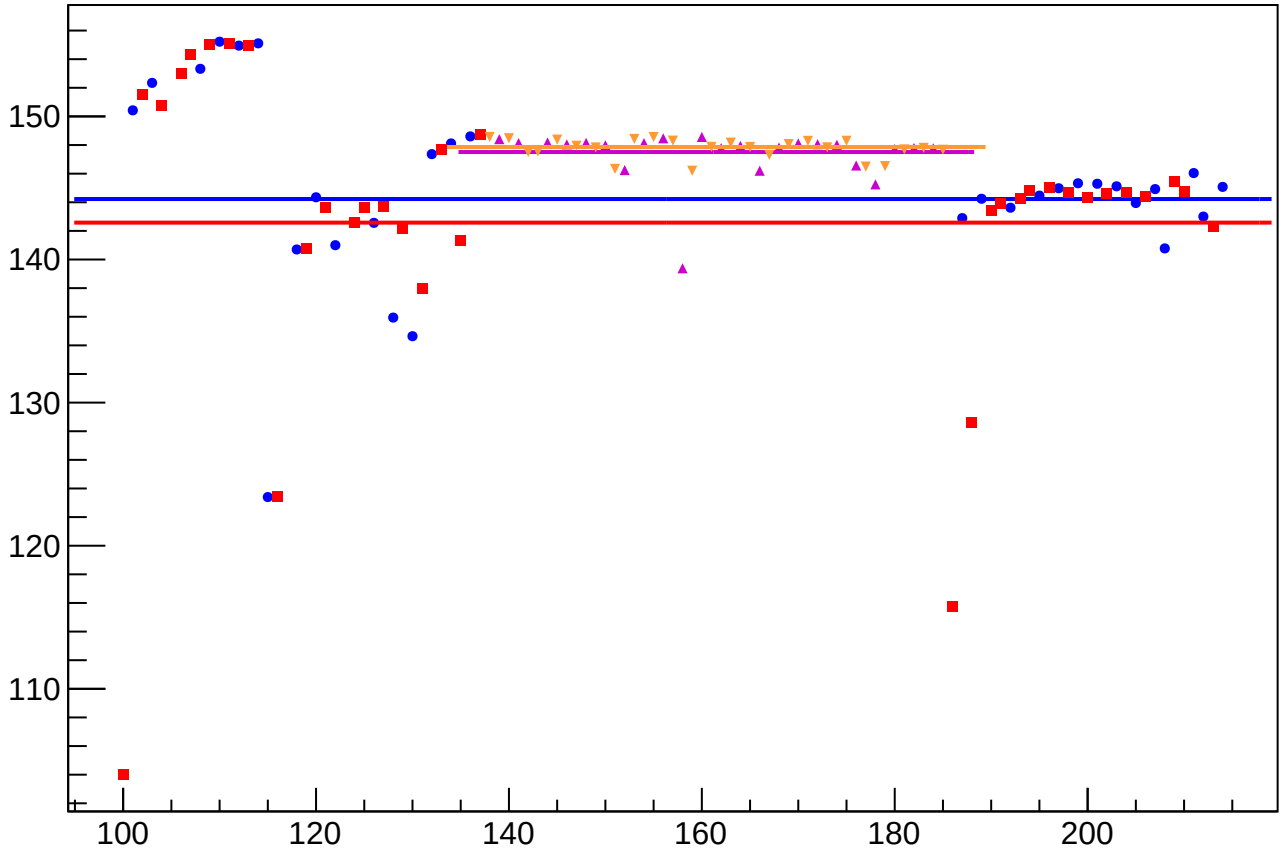
Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.417+/-0.000 χ^2/NDF: 6052921.9/54

All: 0.419+/-0.000 χ^2/NDF: 11370977.4/111

- sign 0.420+/-0.000 χ^2/NDF: 5317106.1/56

yield_bcm_an_us_mean vs Slug



Right In: 144.227+/-0.000 χ^2/NDF: 3779529560.4/29

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.579+/-0.000 χ^2/NDF: 7580499441.5/33

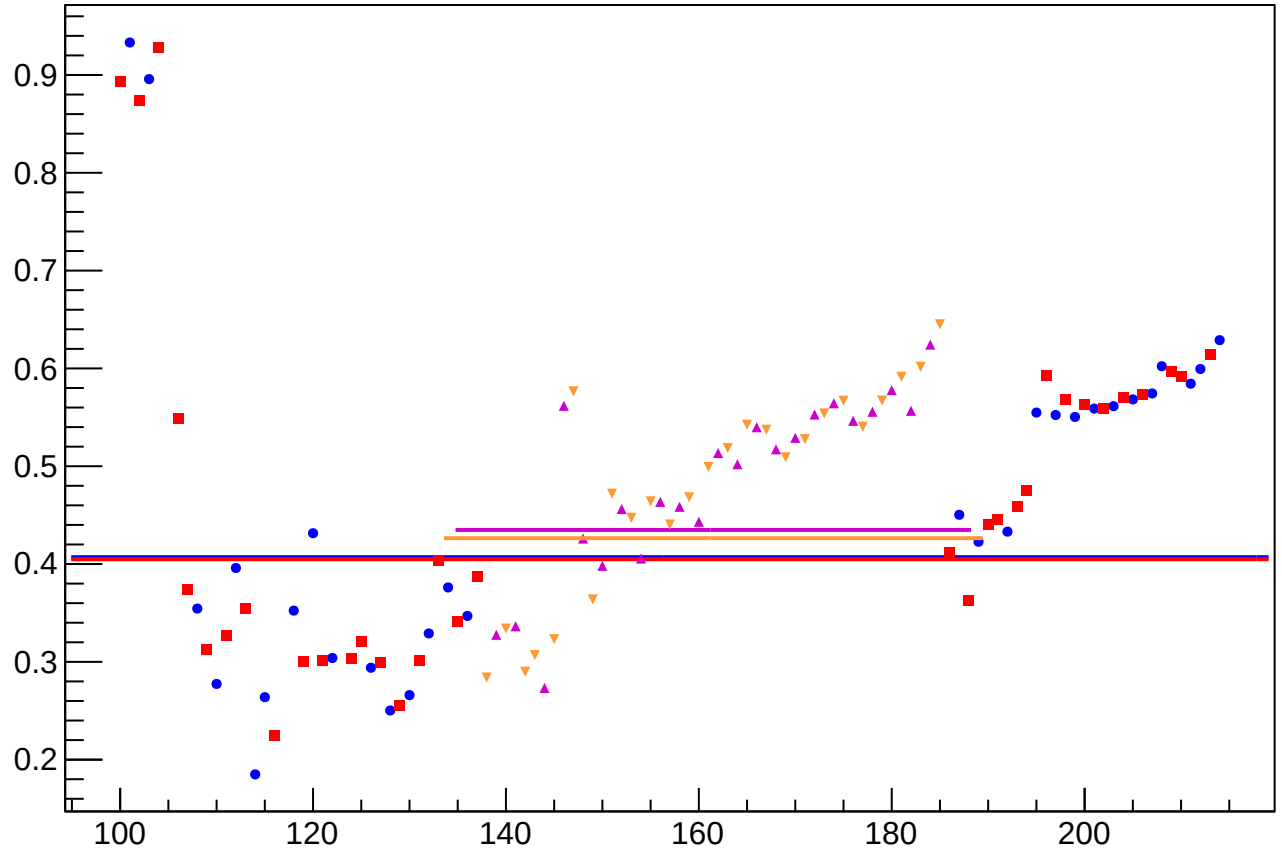
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.084+/-0.000 χ^2/NDF: 4452763805.6/54

All: 145.502+/-0.000 χ^2/NDF: 13610339491.

- sign 144.916+/-0.000 χ^2/NDF: 9028575821.2/56

yield_bcm_an_us_rms vs Slug



Right In: 0.407+/-0.000 χ^2/NDF: 3780519.5/29

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

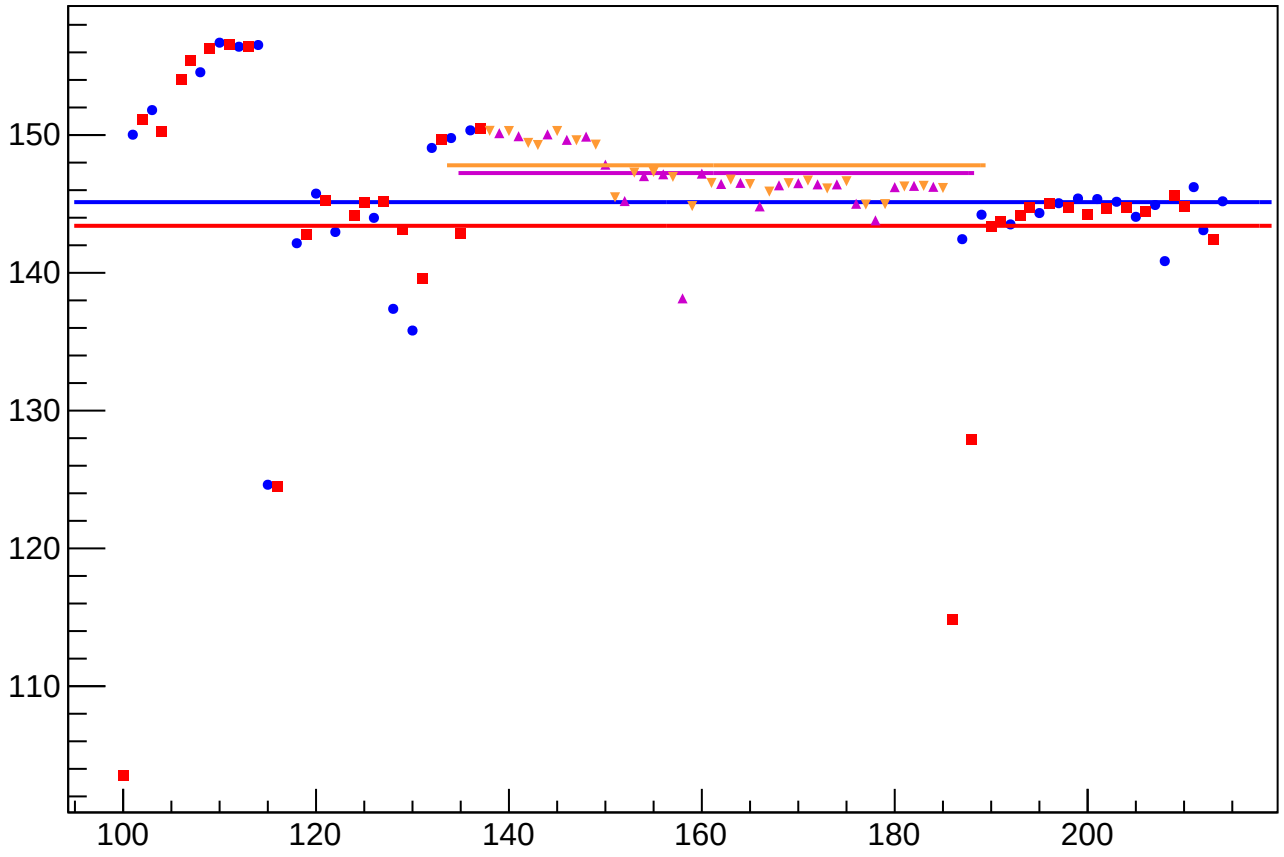
Right Out: 0.405+/-0.000 χ^2/NDF: 3469446.3/33

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.417+/-0.000 χ^2/NDF: 6075490.6/54

All: 0.418+/-0.000 χ^2/NDF: 11405017.7/111

- sign 0.419+/-0.000 χ^2/NDF: 5328622.6/56



Right In: 145.132+/-0.000 χ^2/NDF: 3572920882.4/29

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.413+/-0.000 χ^2/NDF: 7633173352.6/33

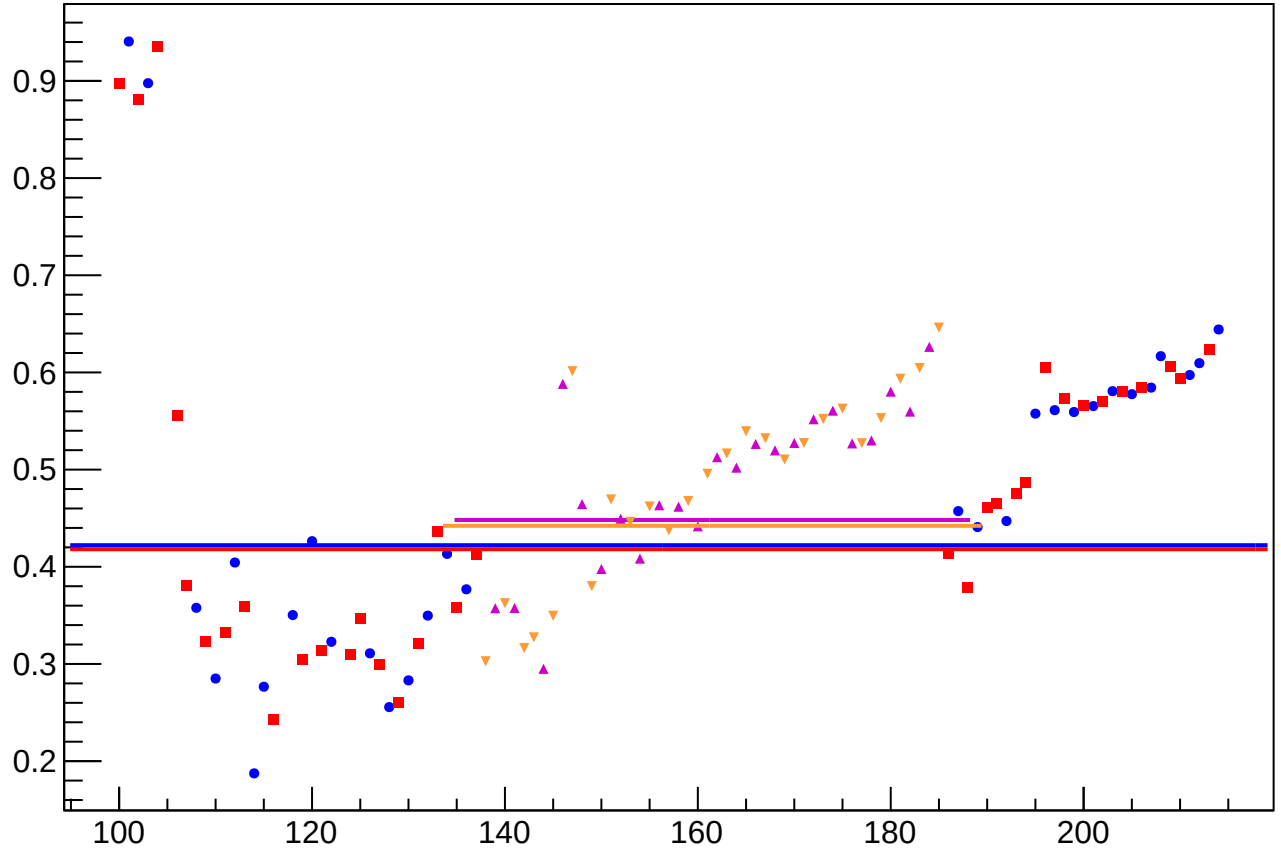
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.503+/-0.000 χ^2/NDF: 4218011973.9/54

All: 145.871+/-0.000 χ^2/NDF: 13263647410.

- sign 145.239+/-0.000 χ^2/NDF: 8903347166.9/56

yield_bcm_dg_us_rms vs Slug



Right In: 0.422+/-0.000 χ^2/NDF: 3575715.9/29

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

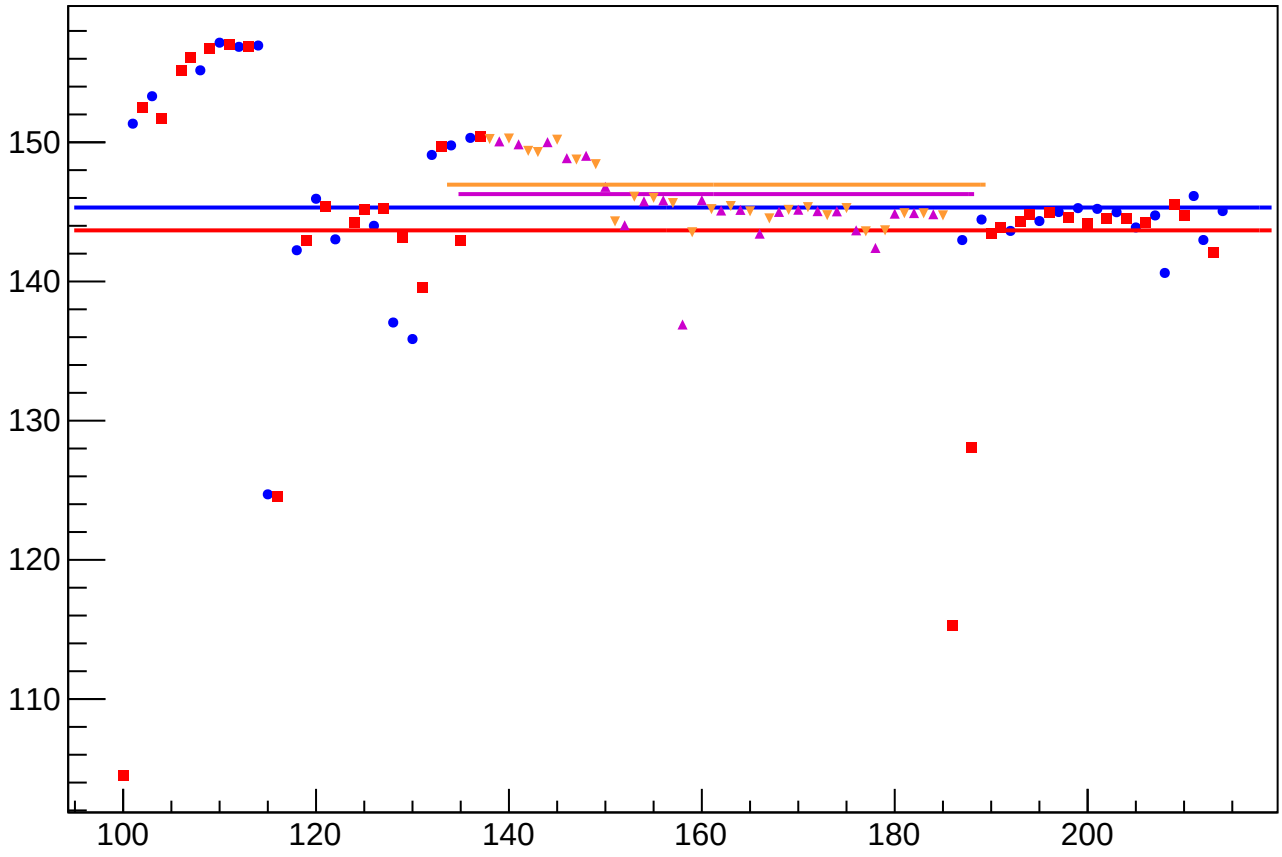
Right Out: 0.418+/-0.000 χ^2/NDF: 3292339.2/33

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.432+/-0.000 χ^2/NDF: 5315327.5/54

All: 0.432+/-0.000 χ^2/NDF: 10035755.5/111

- sign 0.432+/-0.000 χ^2/NDF: 4720427.8/56



Right In: 145.314+/-0.000 χ^2/NDF: 3734113154.8/29

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

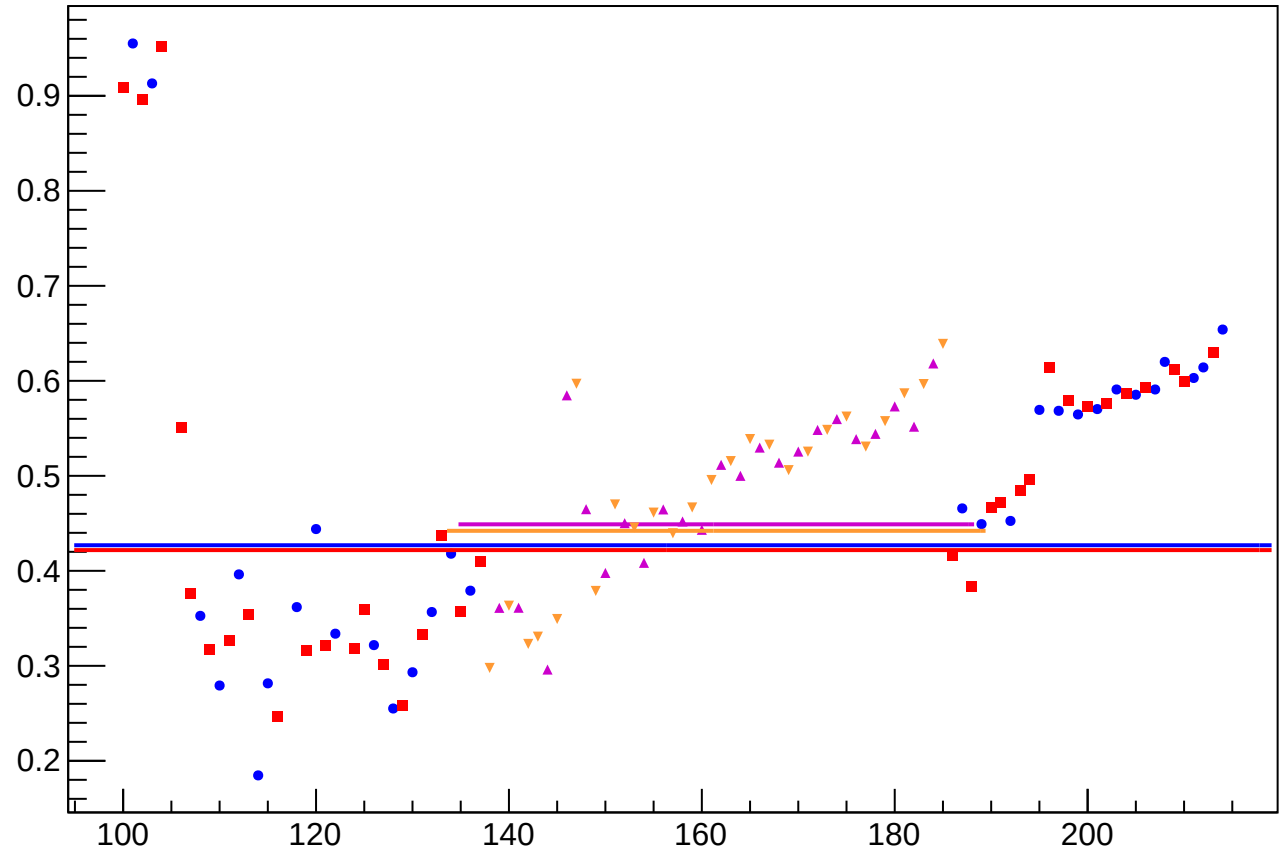
Right Out: 143.672+/-0.000 χ^2/NDF: 7689924345.9/33

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.167+/-0.000 χ^2/NDF: 4395435035.4/54

All: 145.547+/-0.000 χ^2/NDF: 13344273481.

- sign 144.927+/-0.000 χ^2/NDF: 8813533708.4/56



Right In: 0.427+/-0.000 χ^2/NDF: 3608728.2/29

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.422+/-0.000 χ^2/NDF: 3320825.5/33

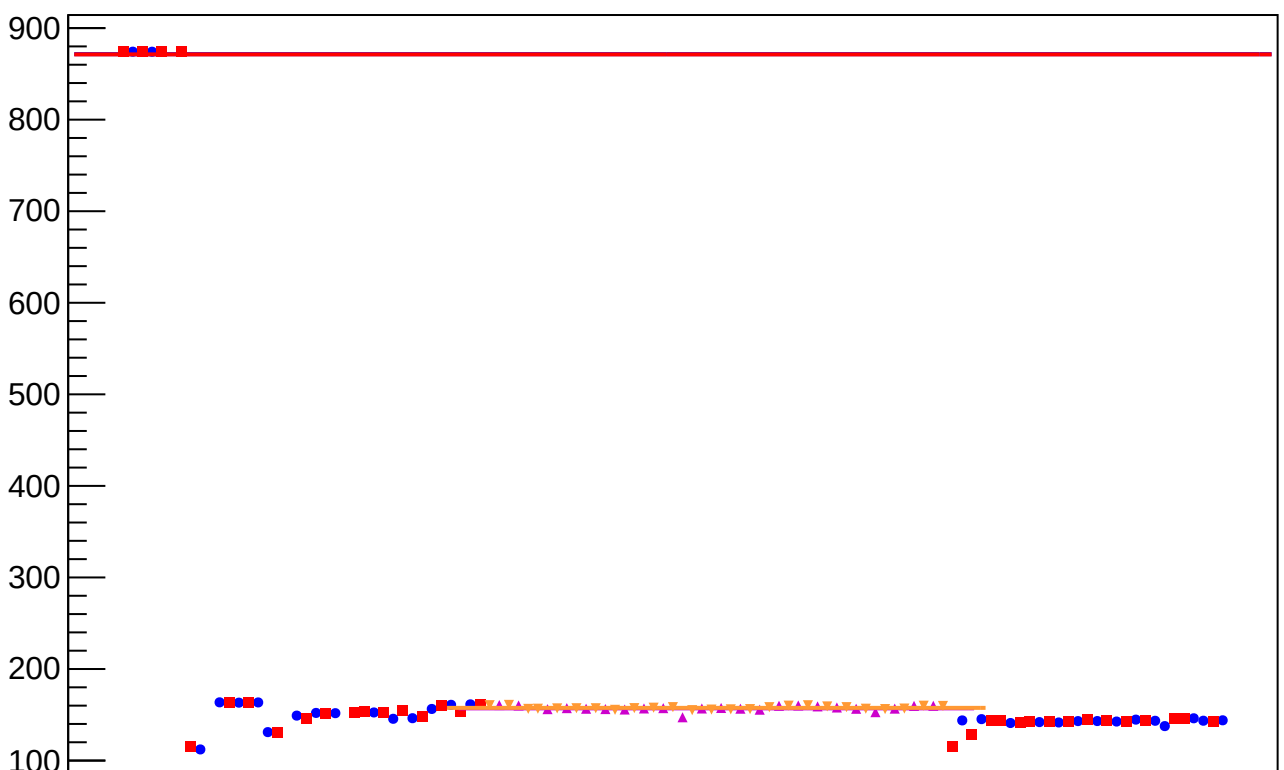
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.435+/-0.000 χ^2/NDF: 5305682.1/54

All: 0.435+/-0.000 χ^2/NDF: 9991897.6/111

- sign 0.435+/-0.000 χ^2/NDF: 4686214.8/56

yield_cav4bQ_mean vs Slug



Right In: 871.520+/-0.000 χ^2/NDF: 13963031366705.0/29

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.278+/-0.000 χ^2/NDF: 17571780265154.3/33

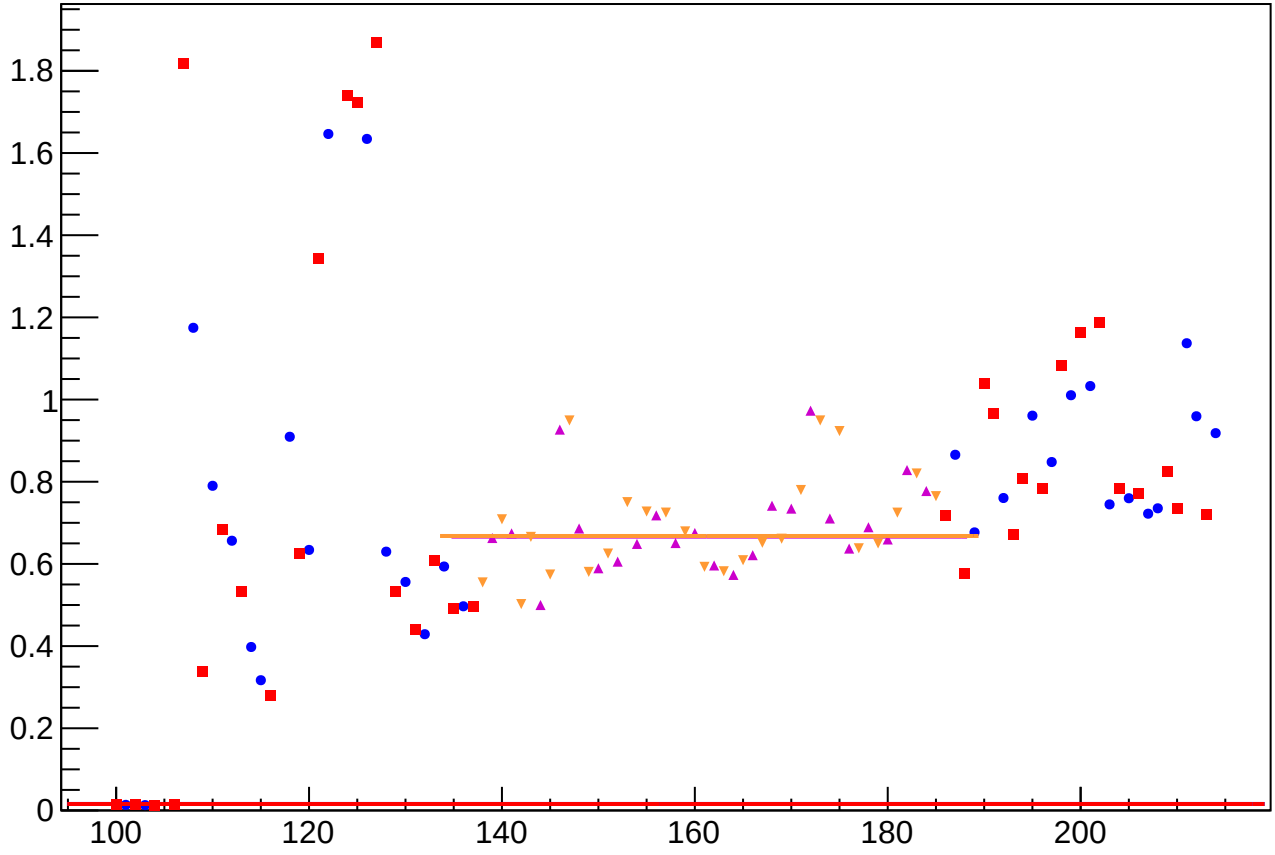
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.147+/-0.000 χ^2/NDF: 31151563942281.

All: 868.322+/-0.000 χ^2/NDF: 651932369928

- sign 868.475+/-0.000 χ^2/NDF: 34041260579839.7

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 26829111.0/29

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 28270043.5/33

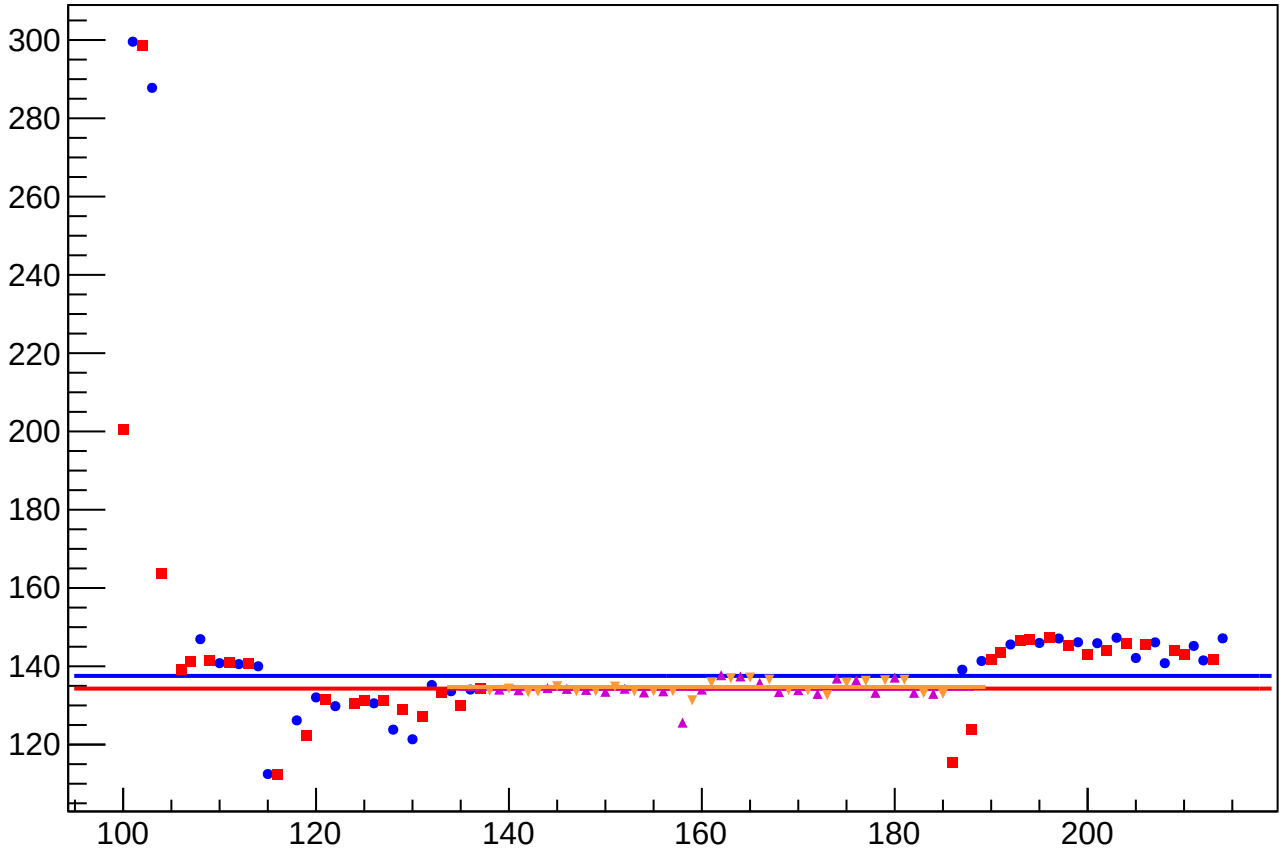
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 56192924.3/54

All: 0.019+/-0.000 χ^2/NDF: 112345240.3/111

- sign 0.018+/-0.000 χ^2/NDF: 56148891.8/56

yield_cav4cQ_mean vs Slug



Right In: 137.545+/-0.000 χ^2/NDF: 3628216485.7/29

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 134.306+/-0.000 χ^2/NDF: 5431954181.2/33

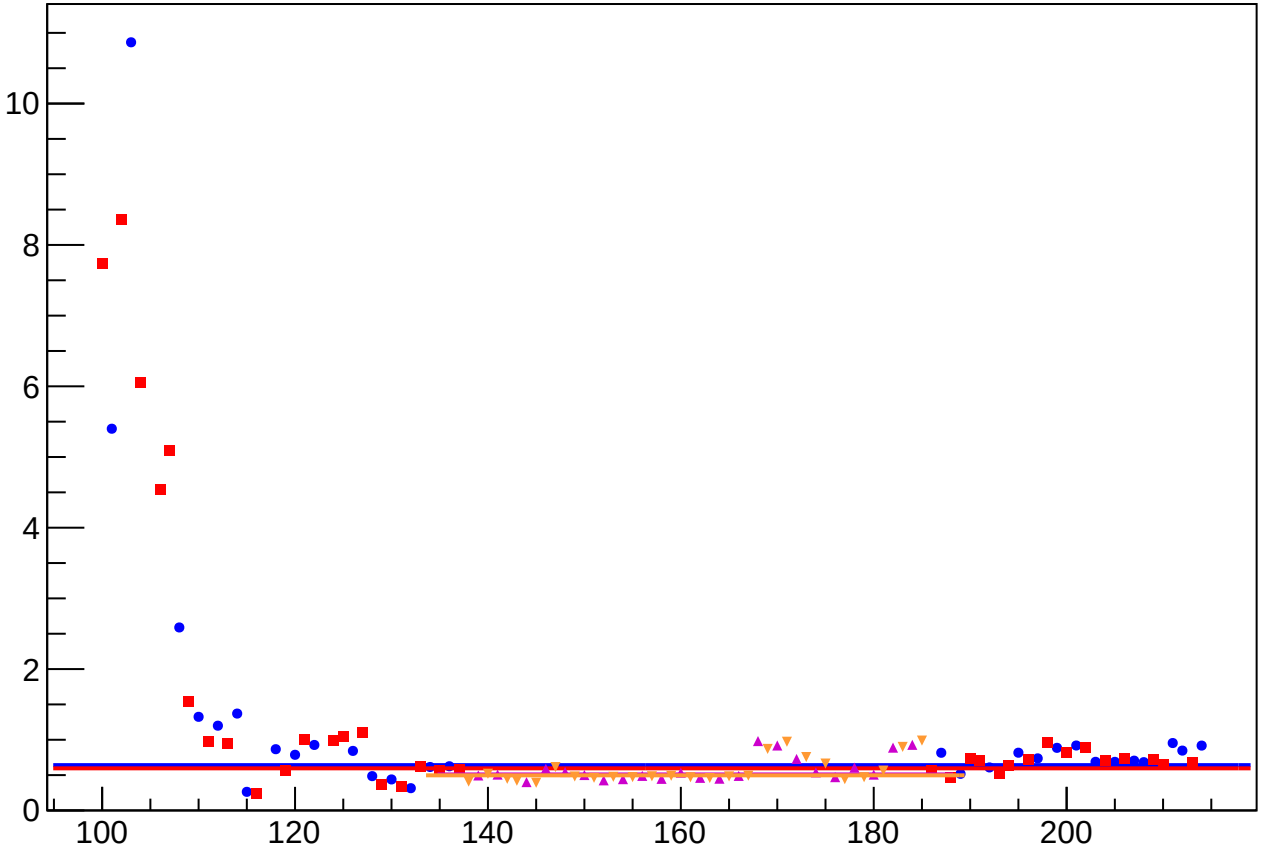
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.596+/-0.000 χ^2/NDF: 3955379642.5/54

All: 134.934+/-0.000 χ^2/NDF: 9914282370.1

- sign 134.271+/-0.000 χ^2/NDF: 5873548058.1/56

yield_cav4cQ_rms vs Slug



Right In: 0.641+/-0.000 χ^2/NDF: 5296321.3/29

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.596+/-0.000 χ^2/NDF: 6041416.7/33

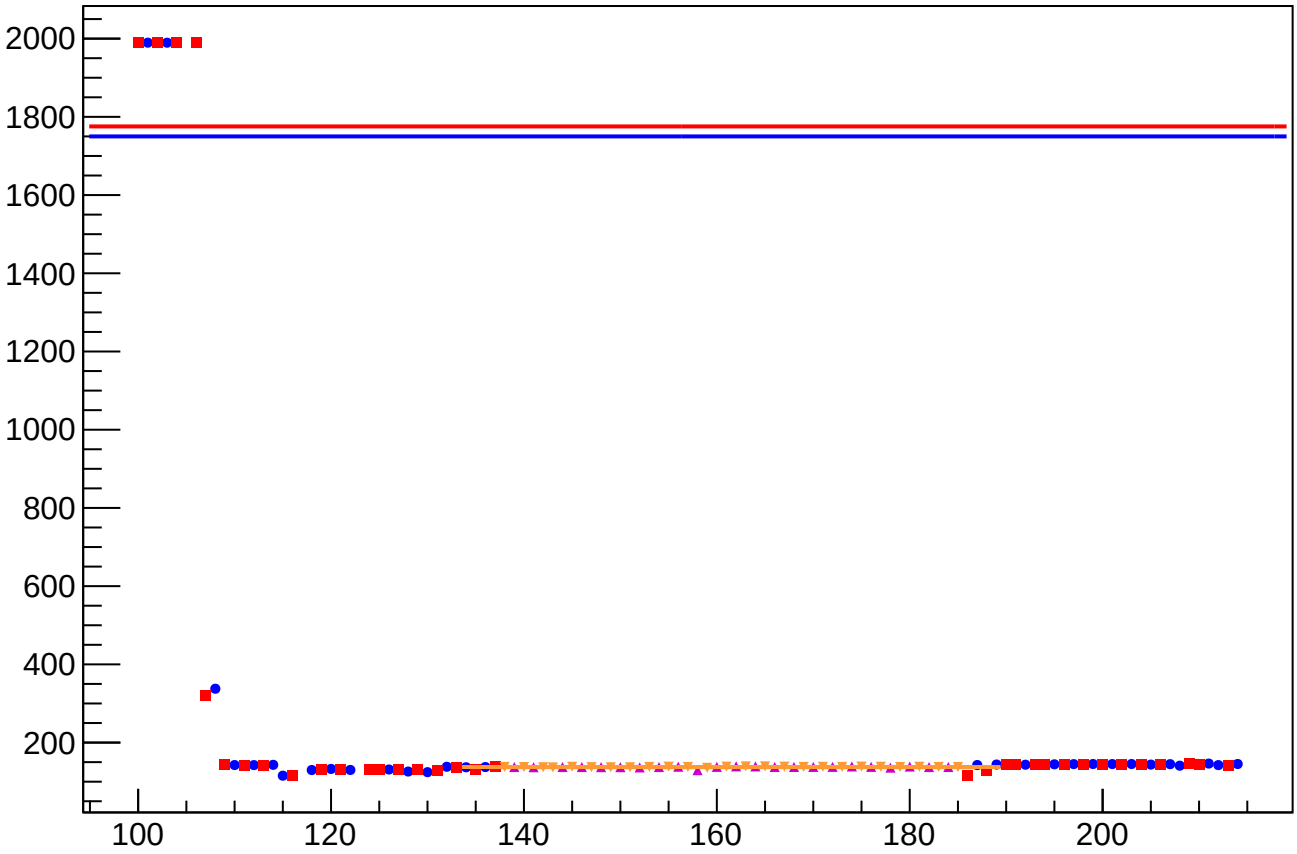
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.542+/-0.000 χ^2/NDF: 7737816.0/54

All: 0.542+/-0.000 χ^2/NDF: 15603759.1/111

- sign 0.542+/-0.000 χ^2/NDF: 7865938.8/56

yield_cav4dQ_mean vs Slug



Right In: 1749.986+/-0.000 χ^2/NDF: 232753217270497.1/29

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1775.519+/-0.000 χ^2/NDF: 246696553172264.8/33

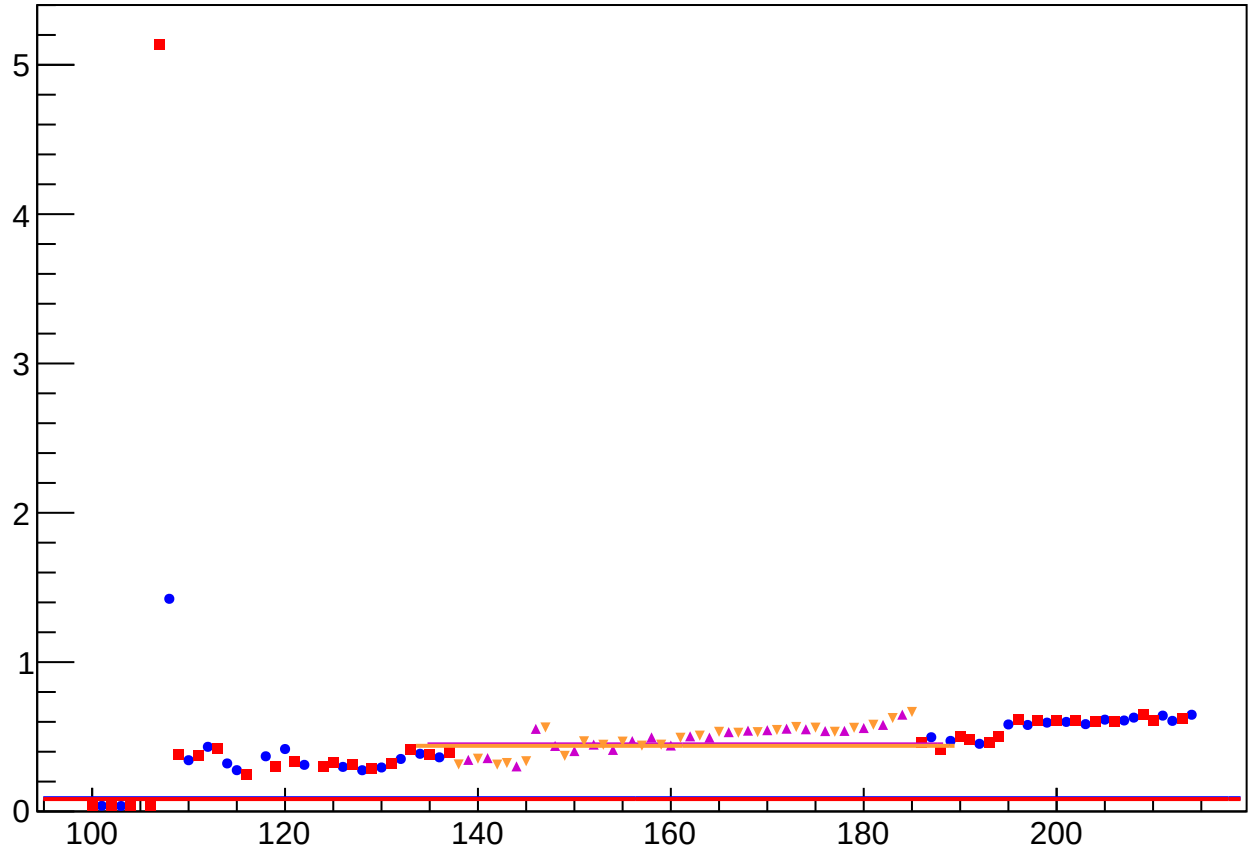
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1534.603+/-0.000 χ^2/NDF: 44189452197839

All: 1568.802+/-0.000 χ^2/NDF: 8933618263

- sign 1598.981+/-0.000 χ^2/NDF: 44993703846804

yield_cav4dQ_rms vs Slug



Right In: 0.089+/-0.000 χ^2/NDF: 24261799.2/29

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 24858568.9/33

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.136+/-0.000 χ^2/NDF: 45812145.8/54

All: 0.129+/-0.000 χ^2/NDF: 92476193.8/111

- sign 0.122+/-0.000 χ^2/NDF: 46532229.3/56

Right In: 158.648+/-0.000 χ^2/NDF: 15994062123.2/29

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.603+/-0.000 χ^2/NDF: 18373091178.1/33

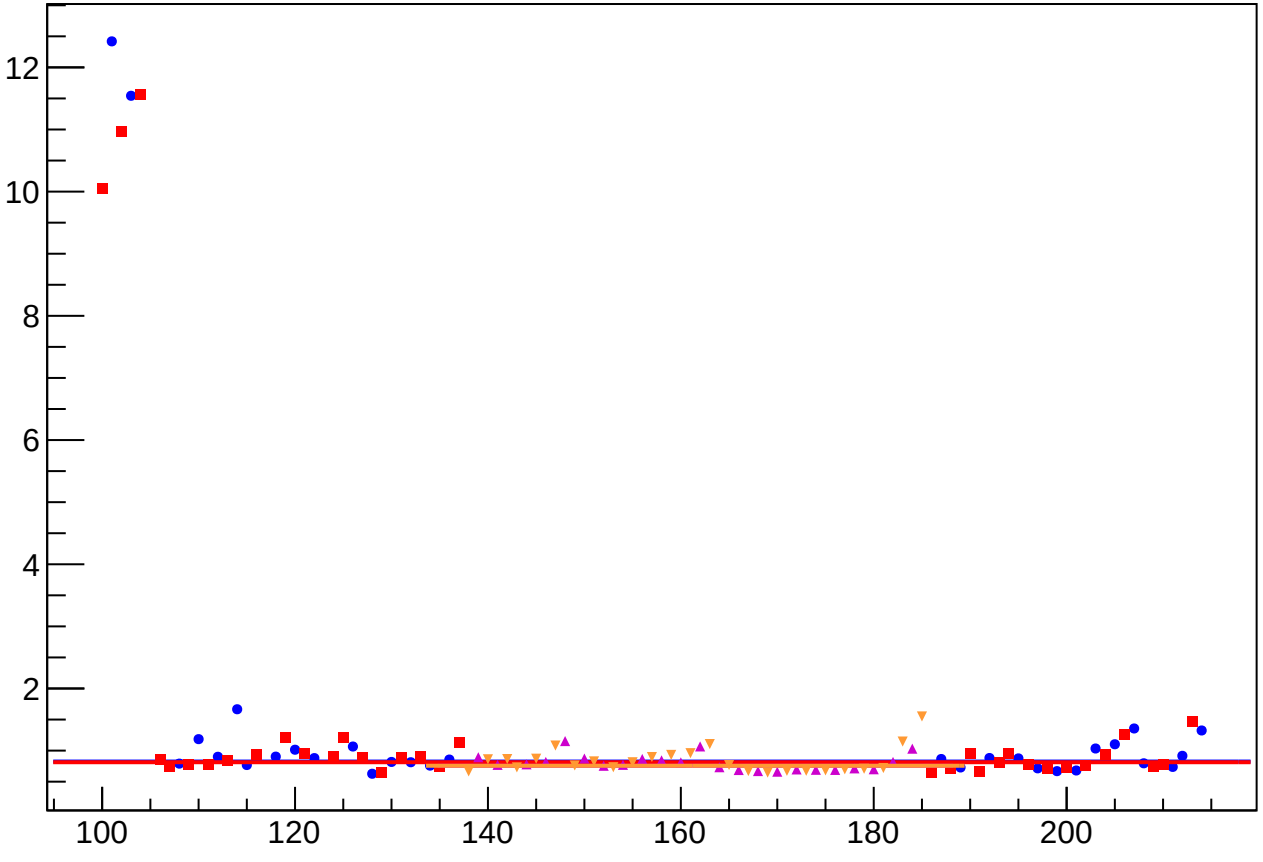
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.092+/-0.000 χ^2/NDF: 19797818689.3/54

All: 159.532+/-0.000 χ^2/NDF: 42004775764.

- sign 158.984+/-0.000 χ^2/NDF: 22180647082.0/56

yield_bcm0l02_rms vs Slug



Right In: 0.824+/-0.000 χ^2/NDF: 3045127.2/29

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.813+/-0.000 χ^2/NDF: 2859560.0/33

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.785+/-0.000 χ^2/NDF: 3889536.7/54

All: 0.783+/-0.000 χ^2/NDF: 7293638.4/111

- sign 0.782+/-0.000 χ^2/NDF: 3403689.7/56

Right In: 156558.771+/-0.046 χ^2/NDF: 43860919757.4/29

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156291.720+/-0.044 χ^2/NDF: 48284112681.2/33

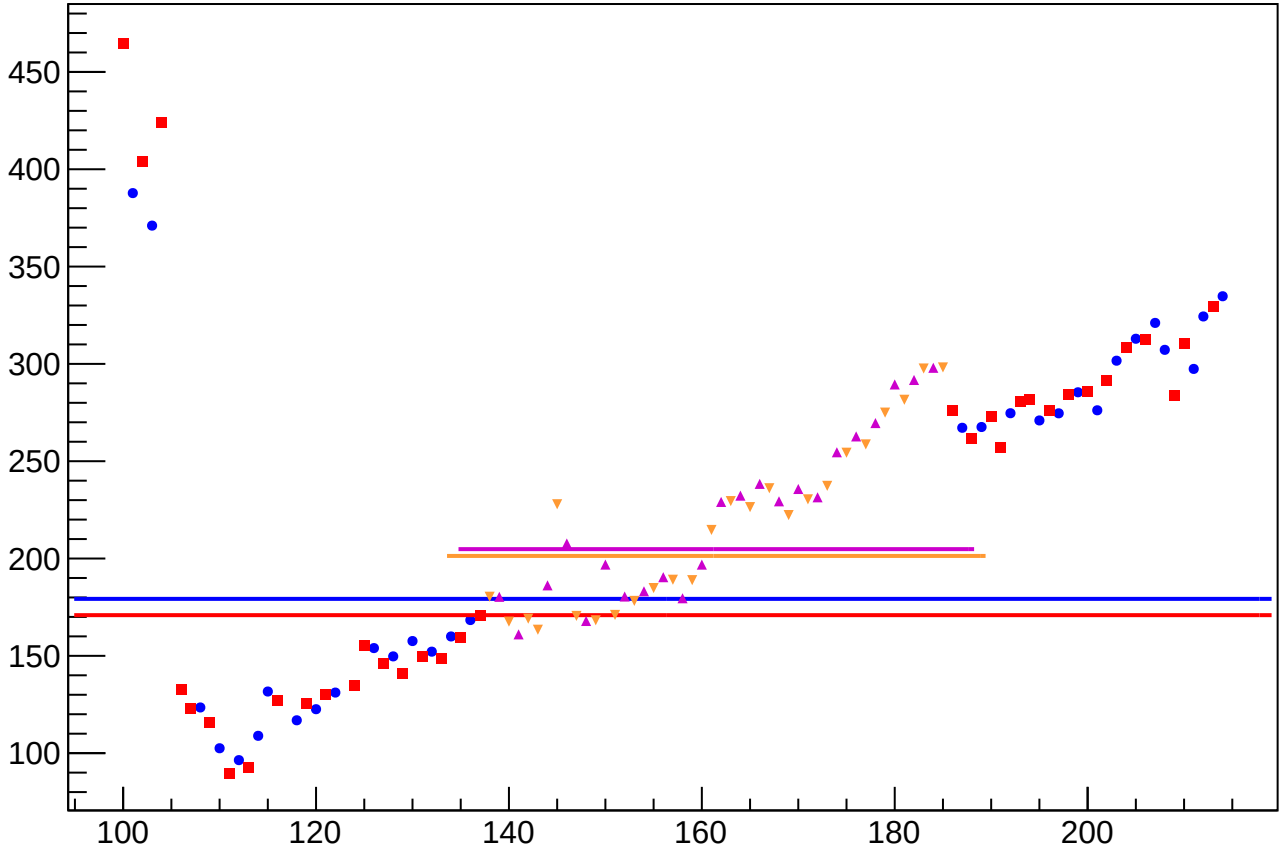
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161941.814+/-0.033 χ^2/NDF: 13045027471

All: 161548.218+/-0.023 χ^2/NDF: 2619332

- sign 161162.844+/-0.033 χ^2/NDF: 131200575860

yield_bpm2i01WS_rms vs Slug



Right In: 179.270+/-0.033 χ^2/NDF: 6105850.4/29

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

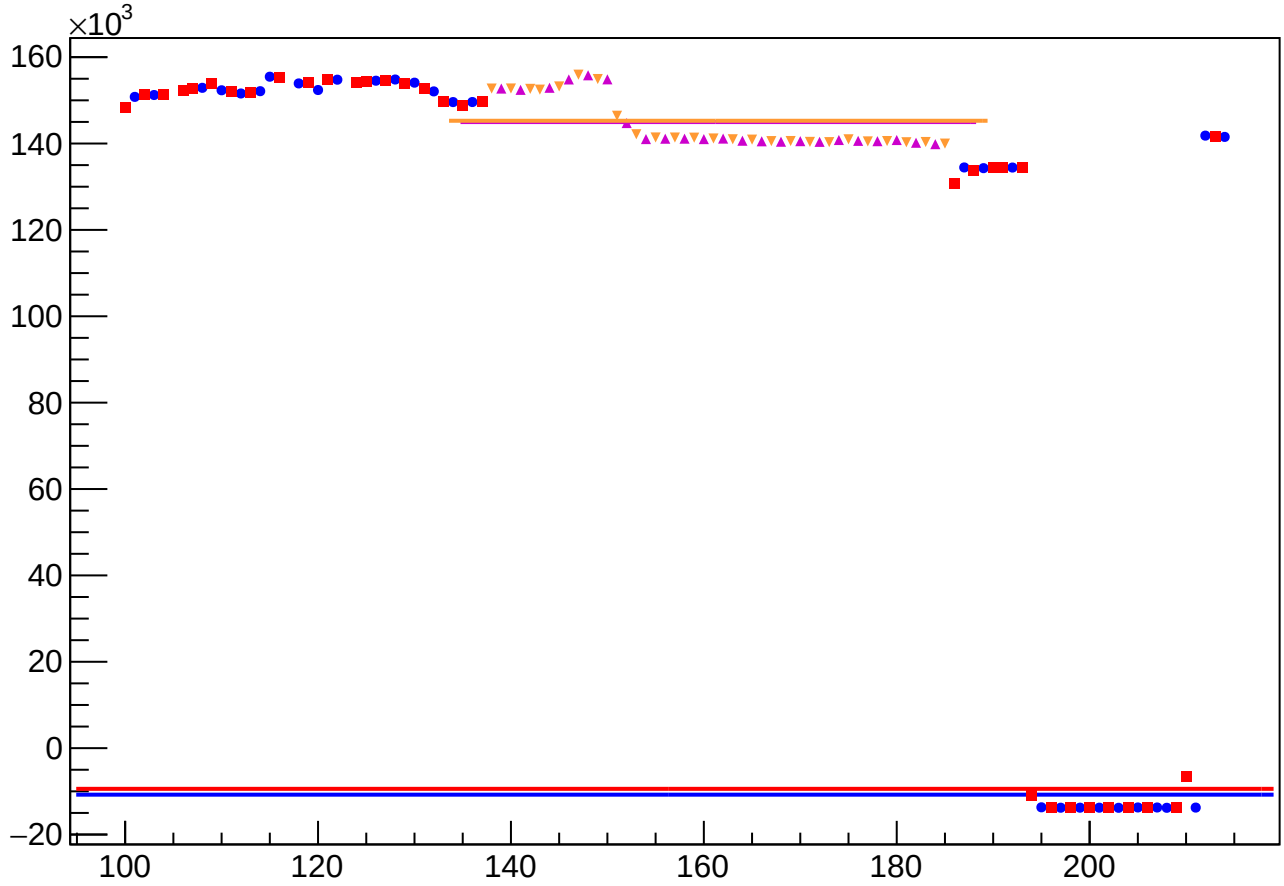
Right Out: 170.902+/-0.031 χ^2/NDF: 6816309.7/33

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 190.238+/-0.023 χ^2/NDF: 7560543.6/54

All: 188.098+/-0.016 χ^2/NDF: 15981384.8/11

- sign 186.003+/-0.023 χ^2/NDF: 8404154.8/56



Right In: -10769.873+/-0.009 χ^2/NDF: 6282465397884.0/29

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9419.032+/-0.009 χ^2/NDF: 7341263408450.8/33

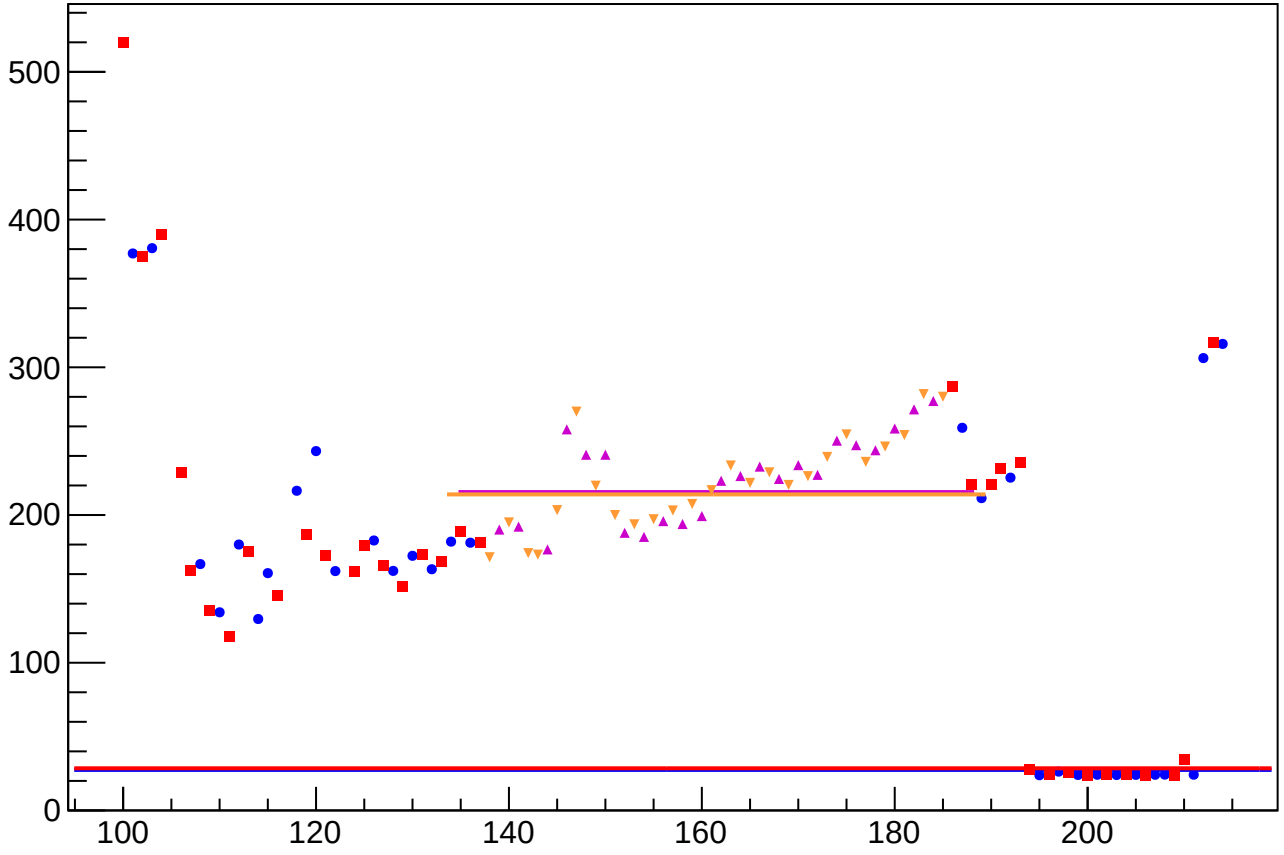
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -6028.334+/-0.009 χ^2/NDF: 1597524940518

All: -5272.613+/-0.006 χ^2/NDF: 3214170839

- sign -4404.254+/-0.009 χ^2/NDF: 16149899398921

yield_bpm0i07WS_rms vs Slug



Right In: 27.454+/-0.006 χ^2/NDF: 15465640.4/29

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

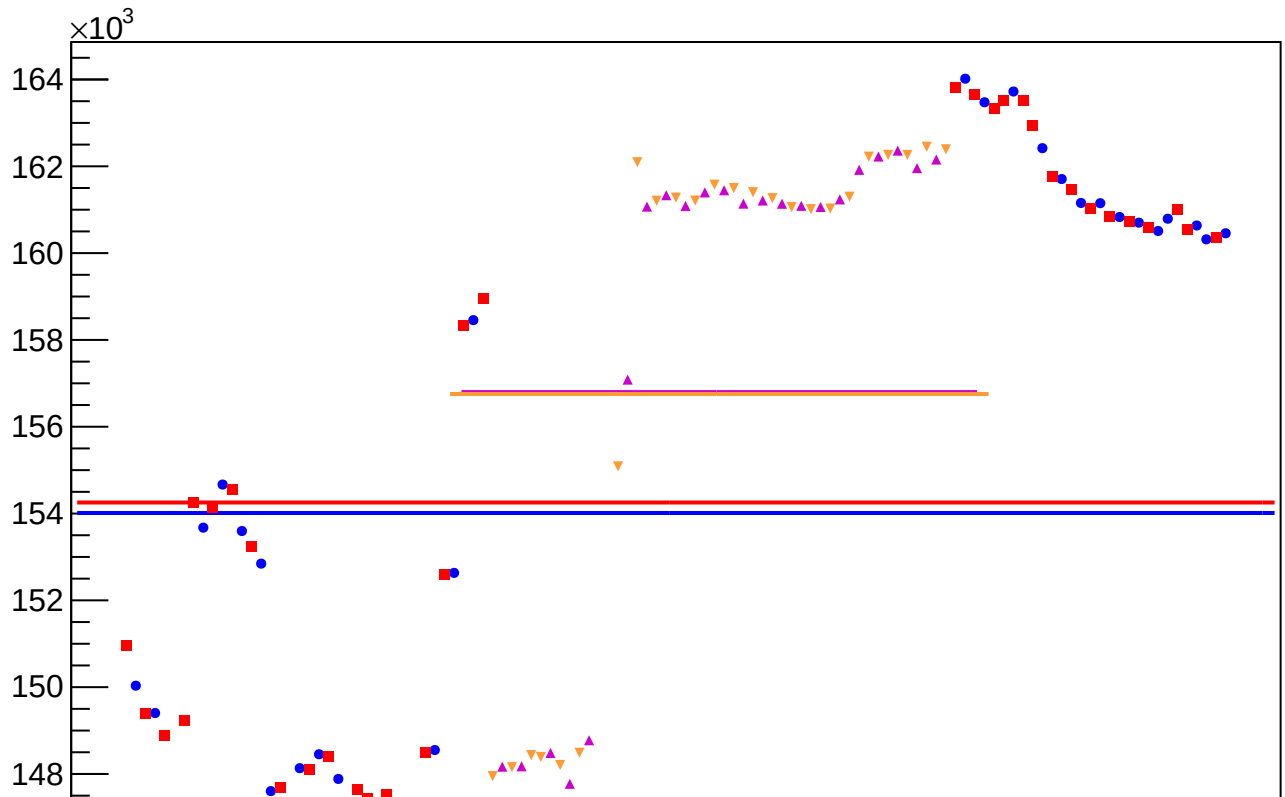
Right Out: 28.535+/-0.007 χ^2/NDF: 15946854.2/33

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.121+/-0.006 χ^2/NDF: 43769060.5/54

All: 33.813+/-0.004 χ^2/NDF: 86153680.4/11

- sign 34.609+/-0.007 χ^2/NDF: 42356802.8/56



Right In: 154012.727+/-0.052 χ^2/NDF: 12349258052.9/29

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154254.112+/-0.050 χ^2/NDF: 13158193551.5/33

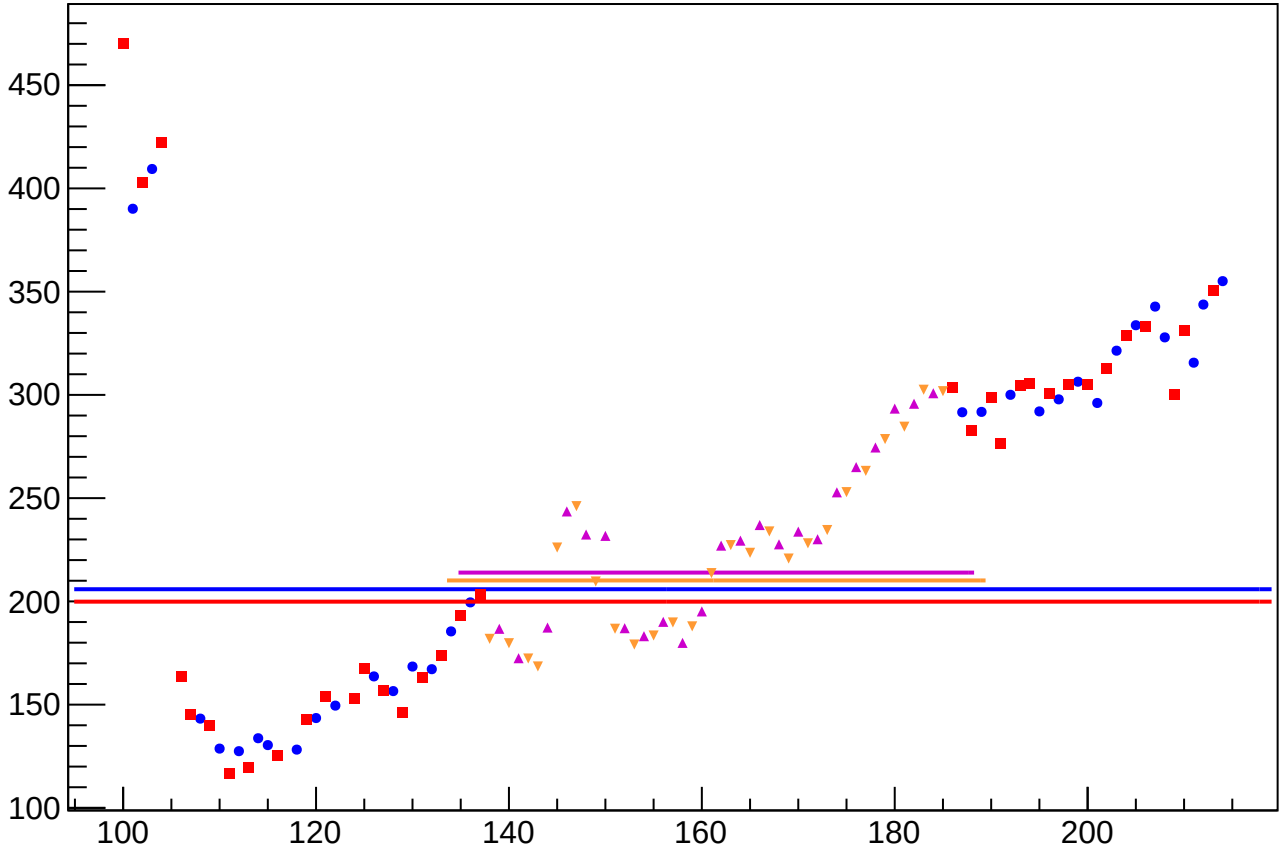
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155486.576+/-0.036 χ^2/NDF: 30199054475.

All: 155497.580+/-0.025 χ^2/NDF: 58964988

- sign 155508.657+/-0.036 χ^2/NDF: 28765743313.5

yield_bpm0i01WS_rms vs Slug



Right In: 205.890+/-0.037 χ^2/NDF: 5070346.7/29

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

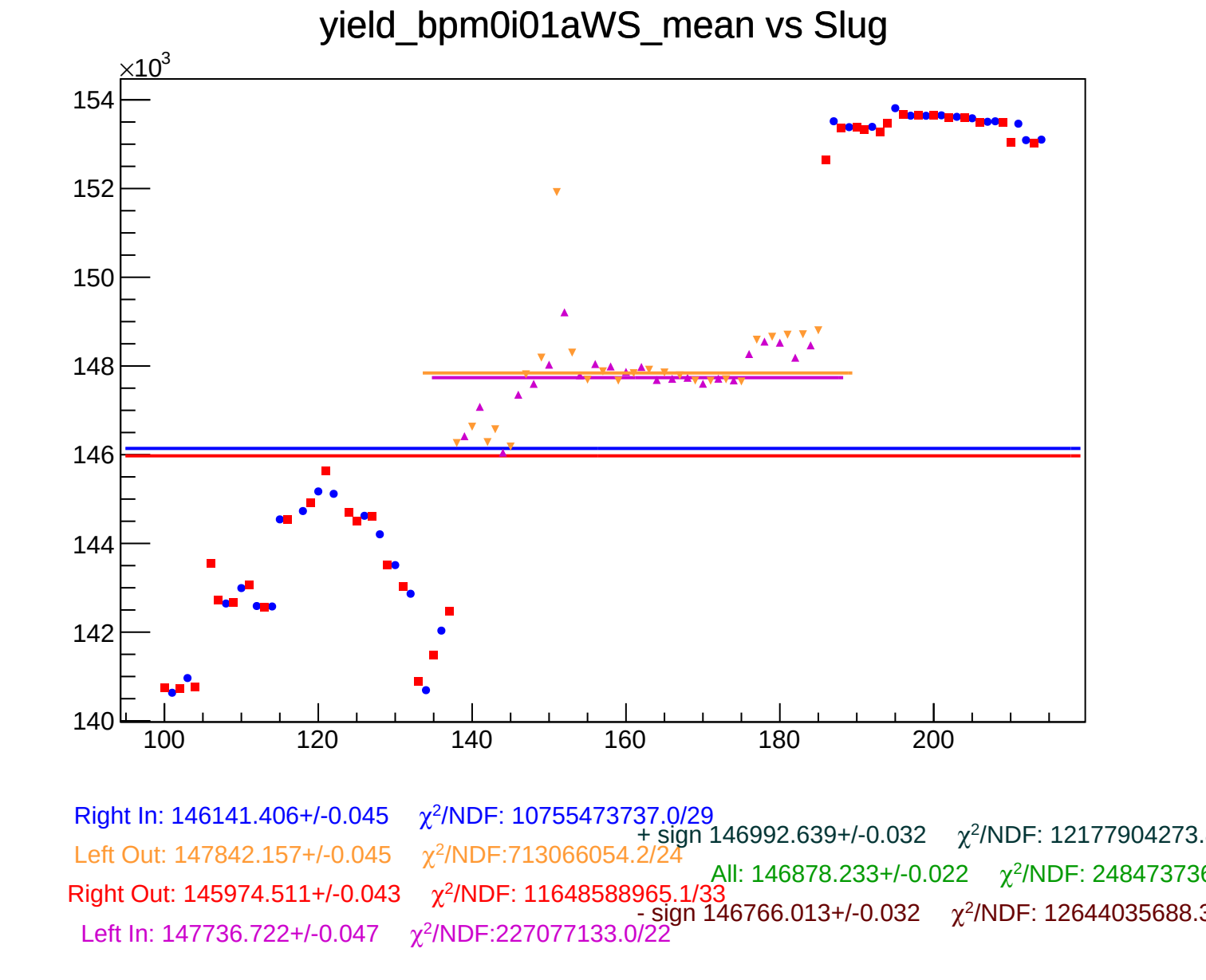
Right Out: 199.871+/-0.036 χ^2/NDF: 5435407.8/33

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

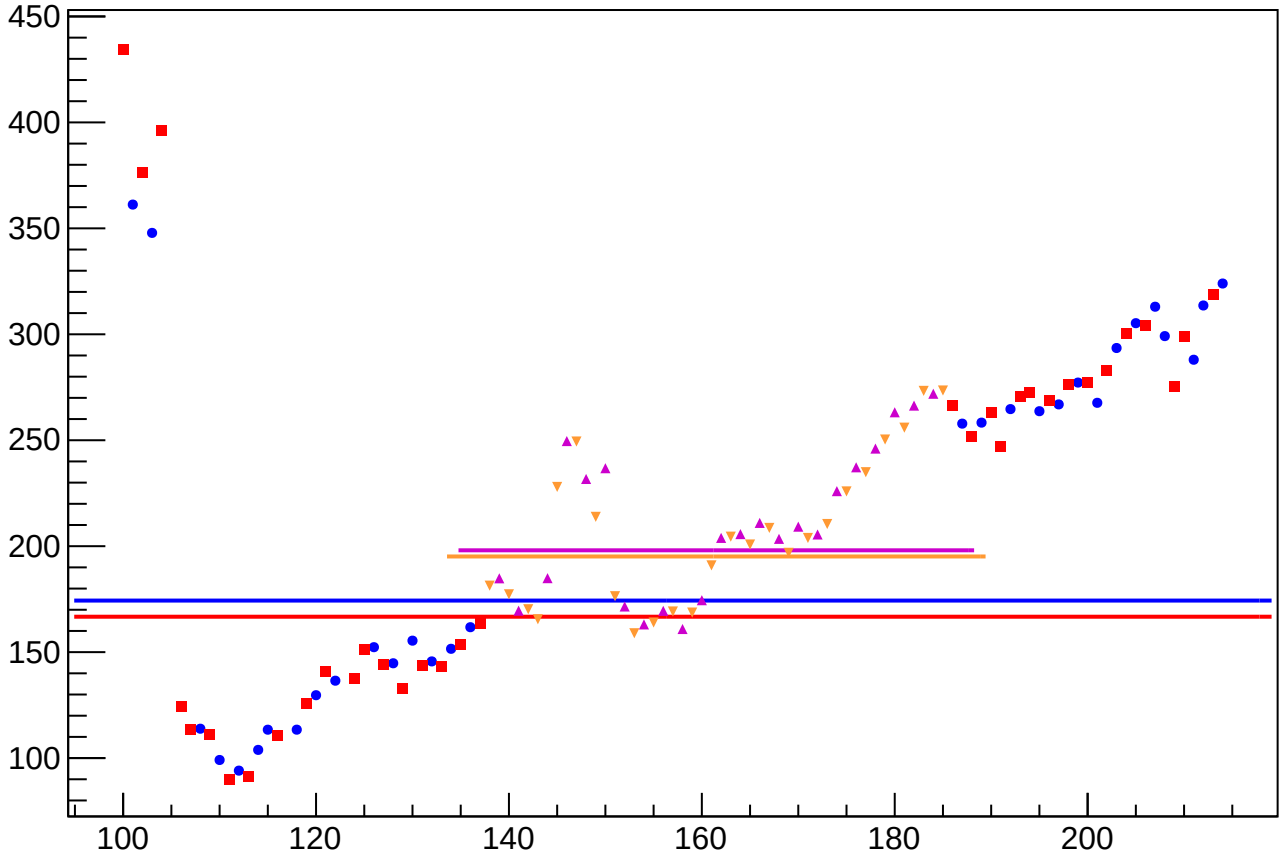
+ sign 208.176+/-0.025 χ^2/NDF: 6075215.7/54

All: 207.496+/-0.018 χ^2/NDF: 12503896.4/11

- sign 206.812+/-0.025 χ^2/NDF: 6427221.8/56


yield_bpm0i01aWS_mean vs Slug
×10^3
154
152
150
148
146
144
142
140
100
120
140
160
180
200
Right In: 146141.406+/-0.045 χ²/NDF: 10755473737.0/29
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 145974.511+/-0.043 χ²/NDF: 11648588965.1/33
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
+ sign 146992.639+/-0.032 χ²/NDF: 12177904273.
All: 146878.233+/-0.022 χ²/NDF: 24847373
- sign 146766.013+/-0.032 χ²/NDF: 12644035688.

yield_bpm0i01aWS_rms vs Slug



Right In: 174.336+/-0.032 χ^2/NDF: 6042698.6/29

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

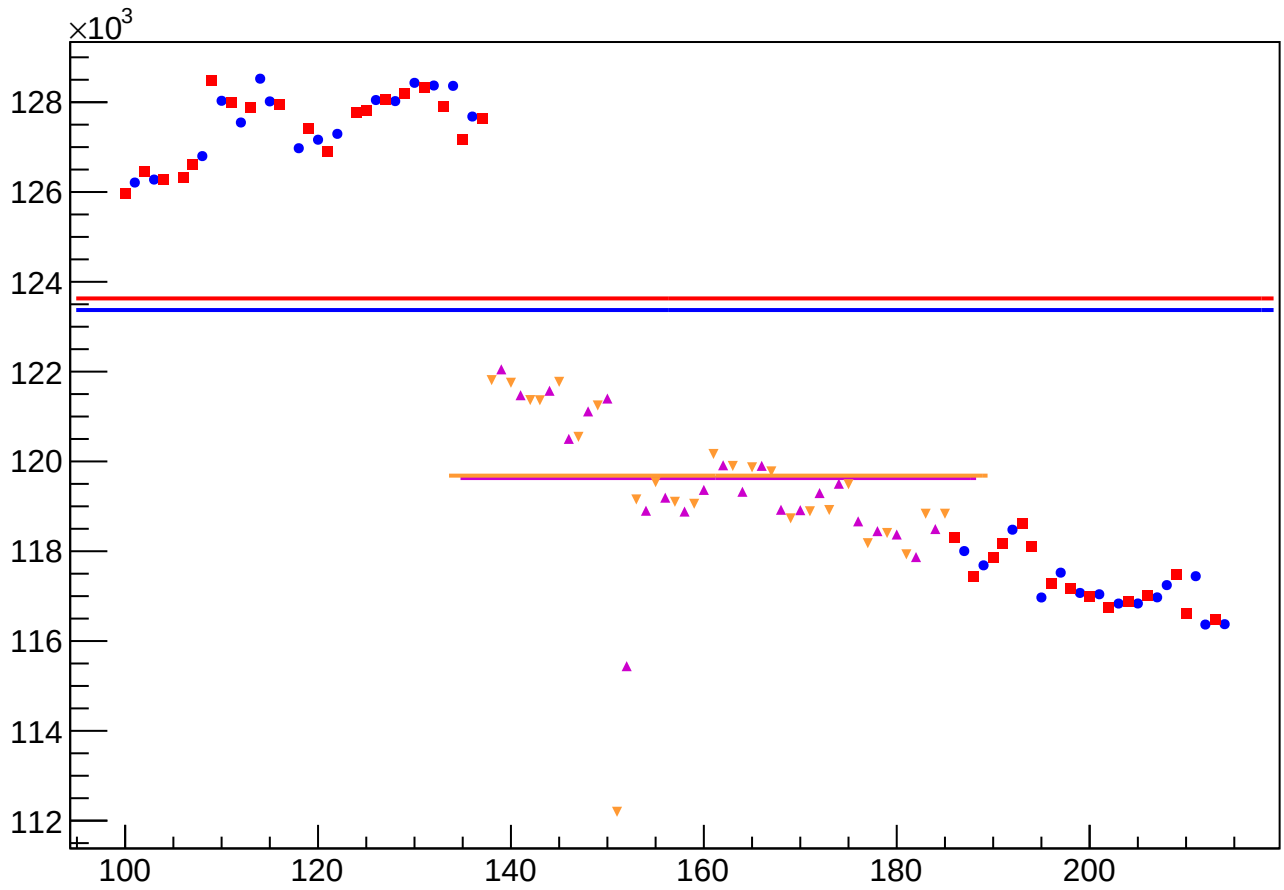
Right Out: 166.717+/-0.030 χ^2/NDF: 6654579.4/33

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 184.751+/-0.023 χ^2/NDF: 7159092.1/54

All: 182.753+/-0.016 χ^2/NDF: 15215600.1/11

- sign 180.793+/-0.022 χ^2/NDF: 8040993.1/56



Right In: 123371.520+/-0.045 χ^2/NDF: 13502912326.7/29

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123630.003+/-0.043 χ^2/NDF: 14350622375.9/33

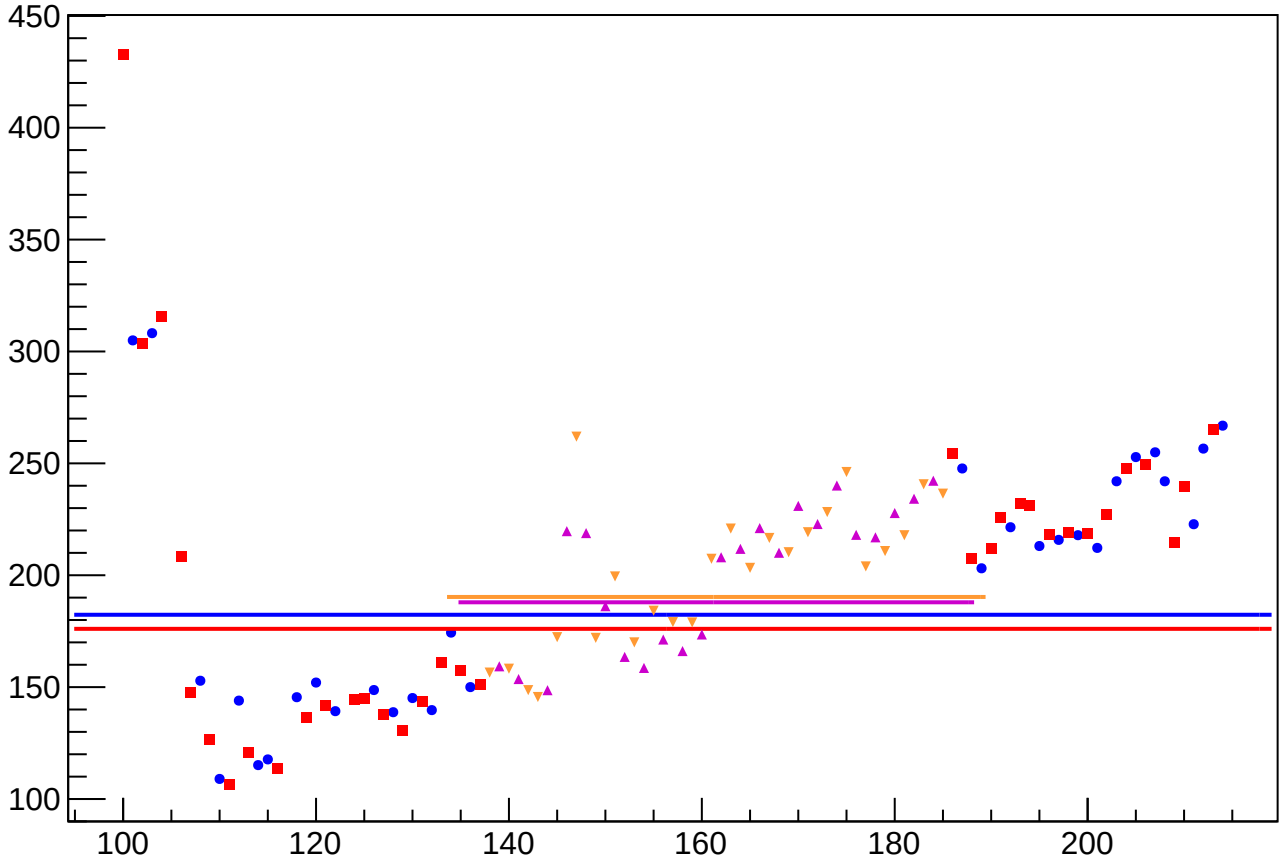
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121506.689+/-0.031 χ^2/NDF: 18920613527.0

All: 121621.335+/-0.022 χ^2/NDF: 38771243

- sign 121732.422+/-0.031 χ^2/NDF: 19824508503.7

yield_bpm0l01WS_rms vs Slug



Right In: 182.340+/-0.032 χ^2/NDF: 2594589.6/29

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

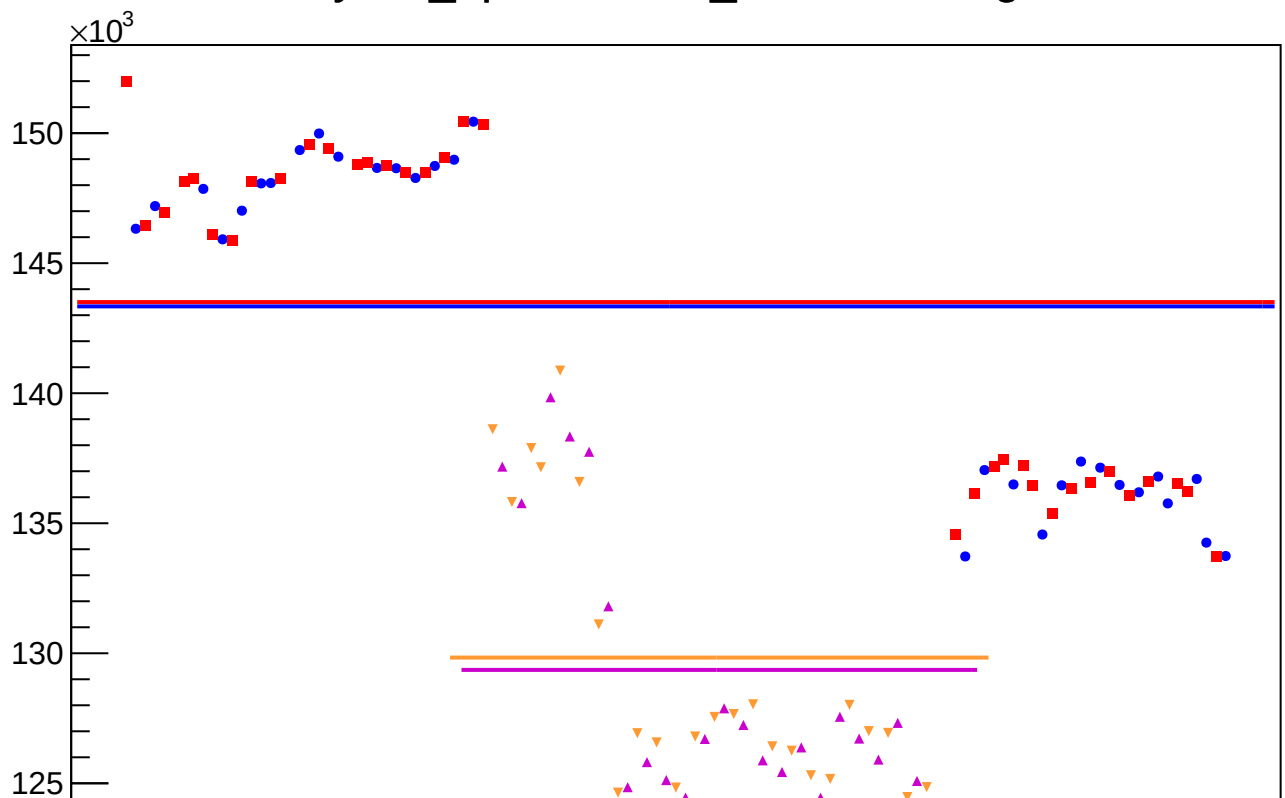
Right Out: 176.049+/-0.030 χ^2/NDF: 3112593.4/33

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 186.364+/-0.022 χ^2/NDF: 3551087.4/54

All: 183.982+/-0.016 χ^2/NDF: 7685330.1/111

- sign 181.675+/-0.022 χ^2/NDF: 4111700.0/56



Right In: 143339.452+/-0.063 χ^2/NDF: 9988145427.1/29

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143504.674+/-0.060 χ^2/NDF: 10228217619.0/33

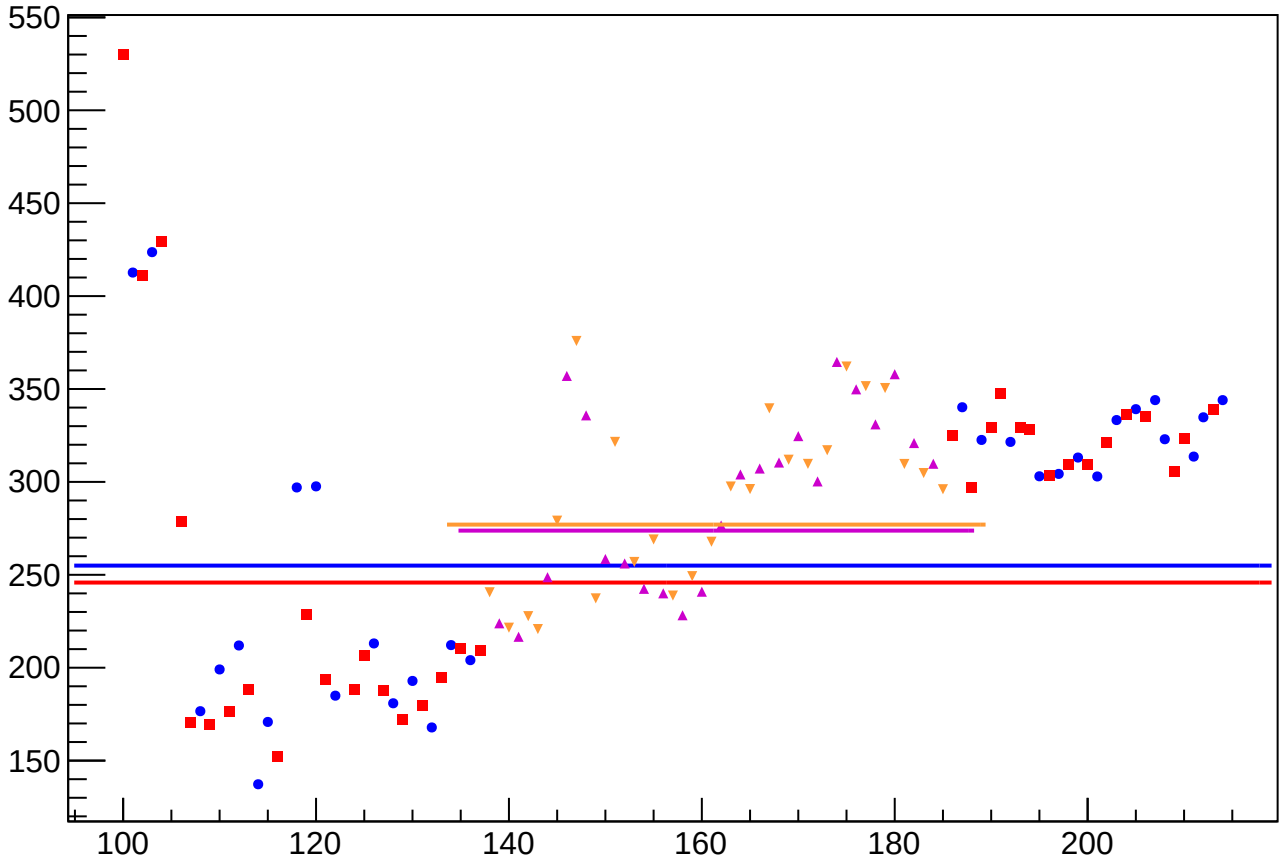
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136753.766+/-0.045 χ^2/NDF: 39454555289.

All: 136921.909+/-0.031 χ^2/NDF: 819144865

- sign 137084.108+/-0.044 χ^2/NDF: 42432294671.3

yield_bpm0l02WS_rms vs Slug



Right In: 254.951+/-0.044 χ^2/NDF: 2655993.5/29

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

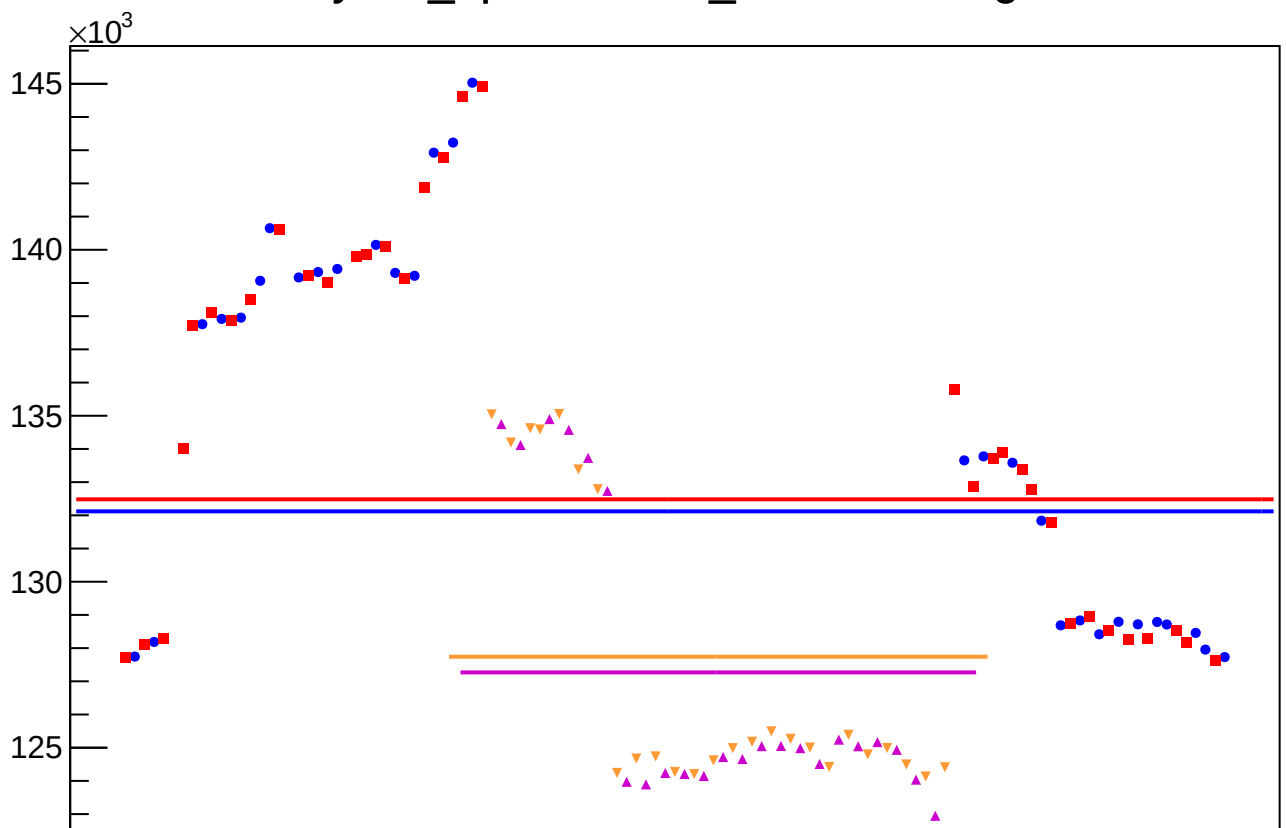
Right Out: 245.830+/-0.042 χ^2/NDF: 2957325.6/33

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 265.713+/-0.032 χ^2/NDF: 3723693.0/54

All: 262.052+/-0.022 χ^2/NDF: 7910957.6/11

- sign 258.520+/-0.031 χ^2/NDF: 4161053.0/56



Right In: 132120.152+/-0.100 χ^2/NDF: 2840779129.9/29

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132482.524+/-0.103 χ^2/NDF: 2085561063.9/33

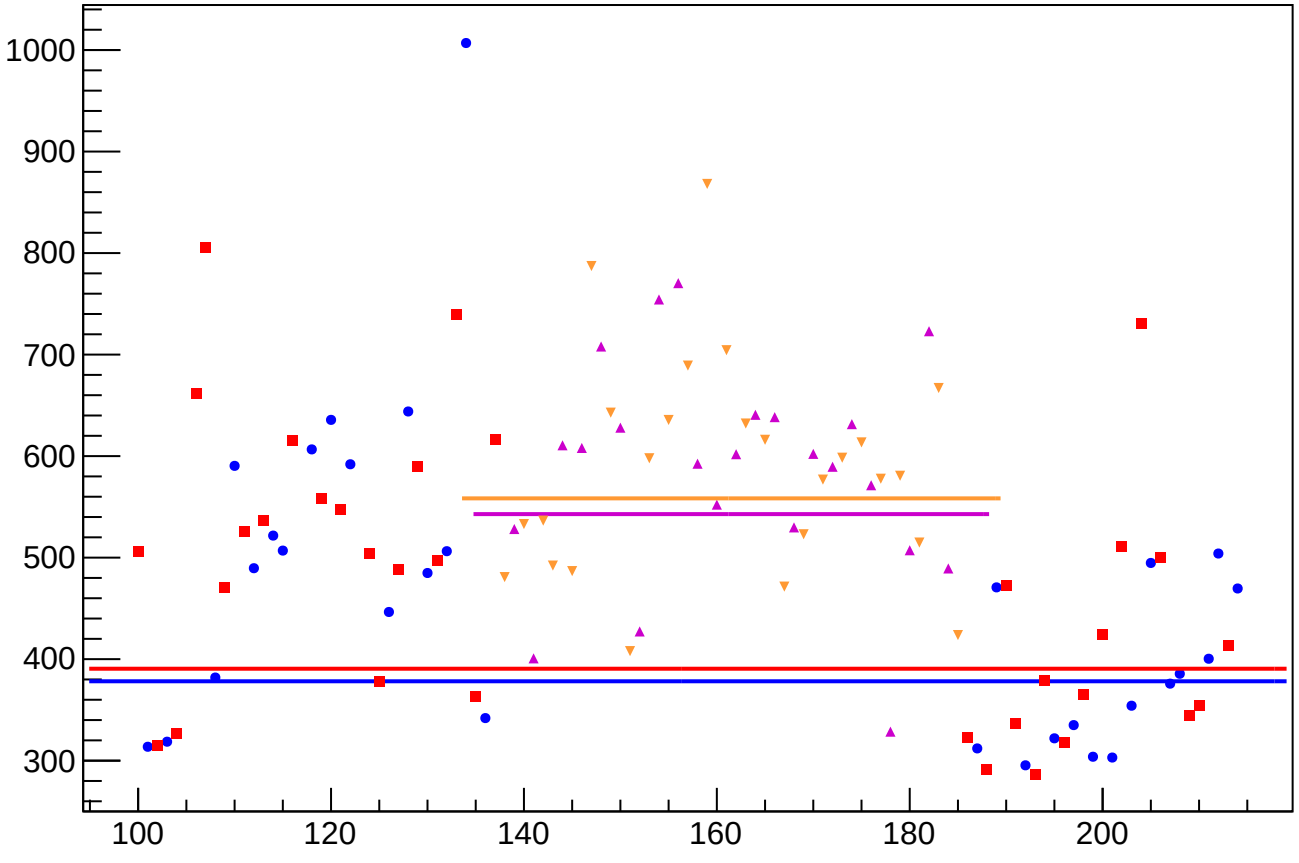
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130571.162+/-0.081 χ^2/NDF: 4607526269.3/

All: 130603.753+/-0.058 χ^2/NDF: 85793180

- sign 130637.820+/-0.082 χ^2/NDF: 3971457623.3/

yield_bpm0l03WS_rms vs Slug



Right In: 378.204+/-0.071 χ^2/NDF: 1723535.9/29

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

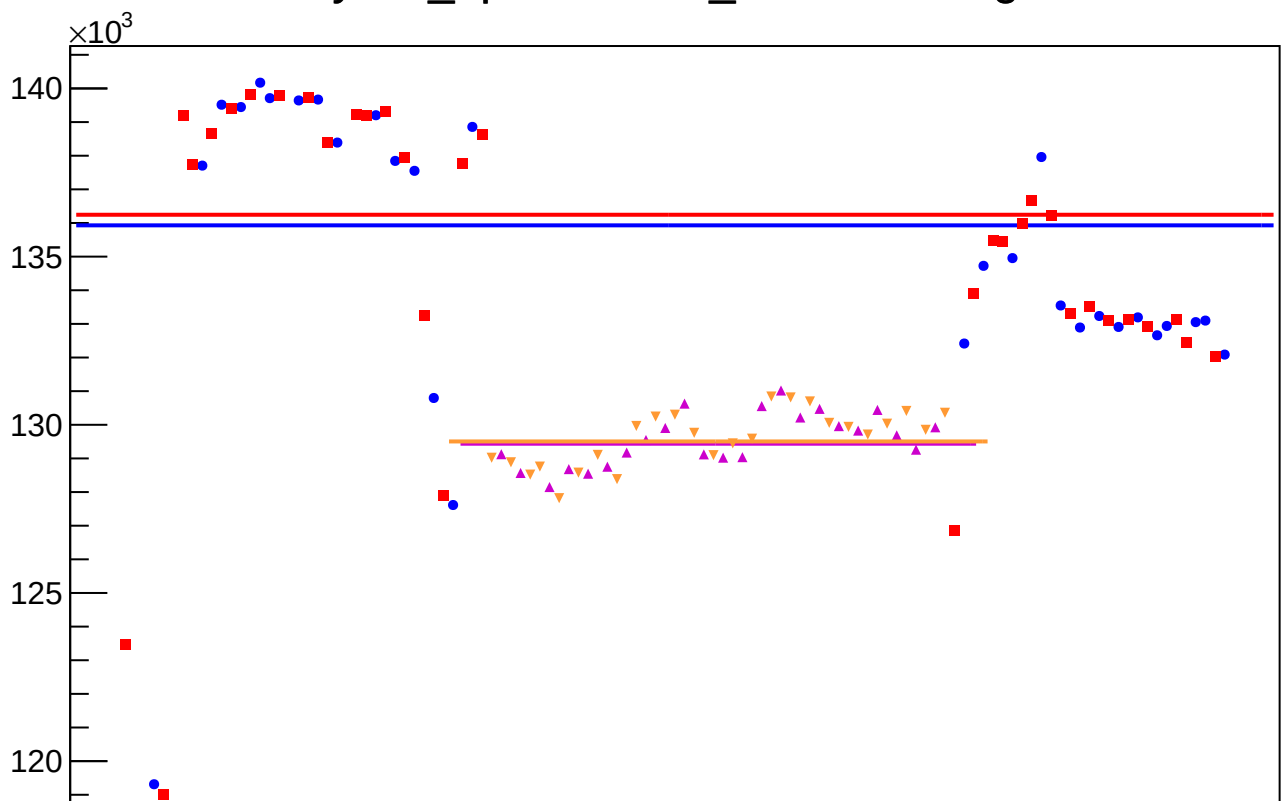
Right Out: 390.571+/-0.073 χ^2/NDF: 2004272.2/33

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 441.935+/-0.057 χ^2/NDF: 4974491.3/54

All: 443.167+/-0.041 χ^2/NDF: 9956962.3/111

- sign 444.455+/-0.058 χ^2/NDF: 4981516.3/56



Right In: 135929.919+/-0.058 χ^2/NDF: 6710953526.8/29

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136244.770+/-0.055 χ^2/NDF: 7040443348.7/33

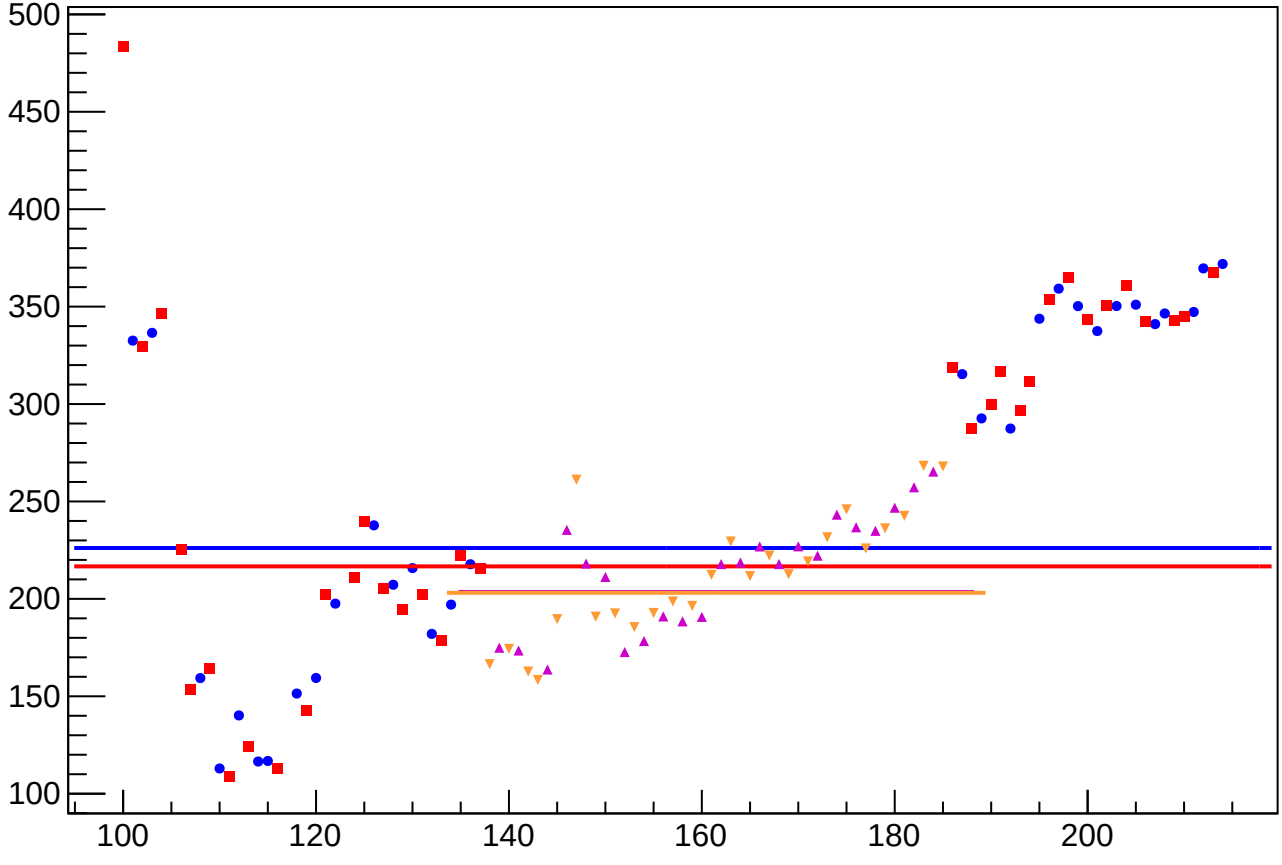
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132069.742+/-0.036 χ^2/NDF: 14471123715.

All: 132250.550+/-0.026 χ^2/NDF: 30513255

- sign 132429.659+/-0.036 χ^2/NDF: 15993093390.5

yield_bpm0l04WS_rms vs Slug



Right In: 226.106+/-0.041 χ^2/NDF: 4850602.7/29

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

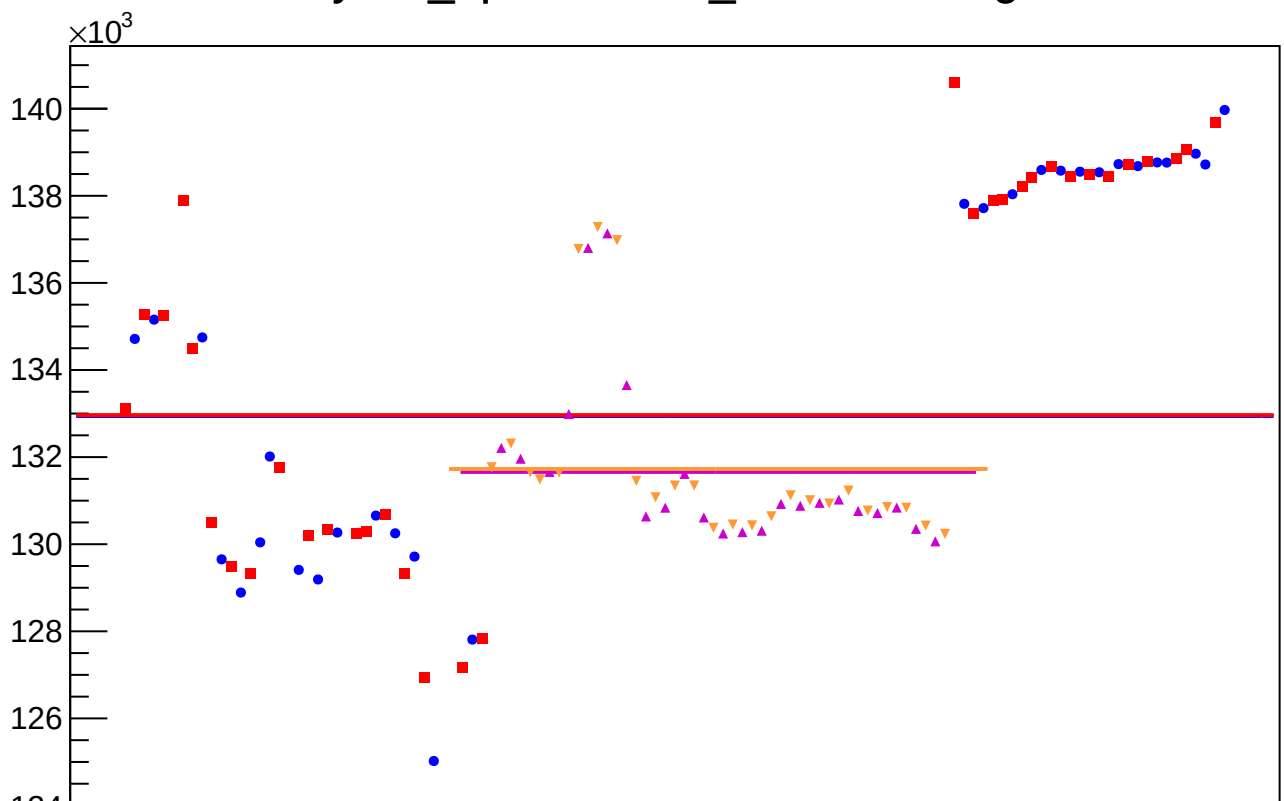
Right Out: 216.675+/-0.039 χ^2/NDF: 5513701.1/33

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 212.301+/-0.026 χ^2/NDF: 5799886.8/54

All: 210.802+/-0.018 χ^2/NDF: 12050972.8/11

- sign 209.317+/-0.026 χ^2/NDF: 6244343.4/56



Right In: 132945.186+/-0.052 χ^2/NDF: 9426888204.1/29

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132963.400+/-0.049 χ^2/NDF: 9478000235.9/33

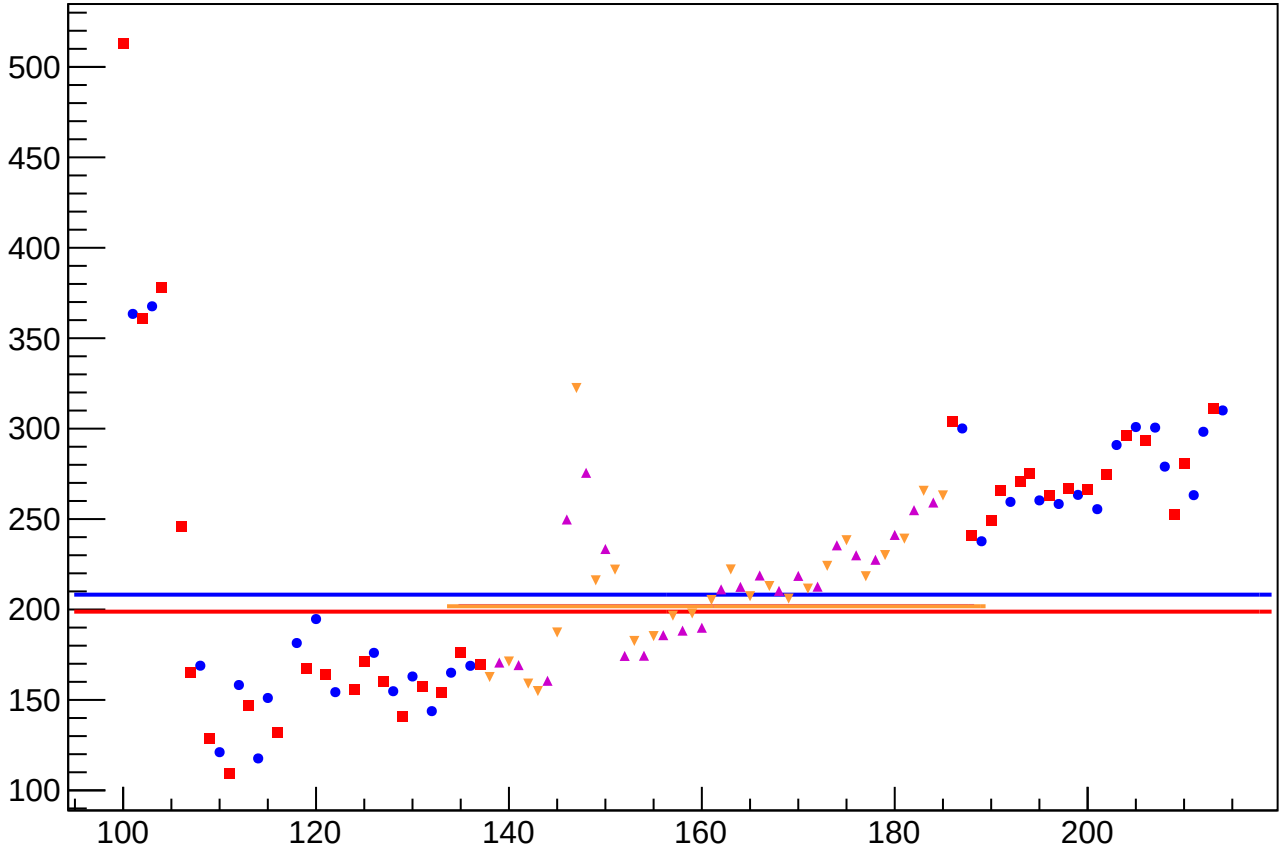
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132276.553+/-0.035 χ^2/NDF: 11156928339.

All: 132289.163+/-0.024 χ^2/NDF: 22159413

- sign 132301.506+/-0.034 χ^2/NDF: 11002224336.

yield_bpm0l05WS_rms vs Slug



Right In: 208.204+/-0.037 χ^2/NDF: 3115425.7/29

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 198.811+/-0.035 χ^2/NDF: 3879730.9/33

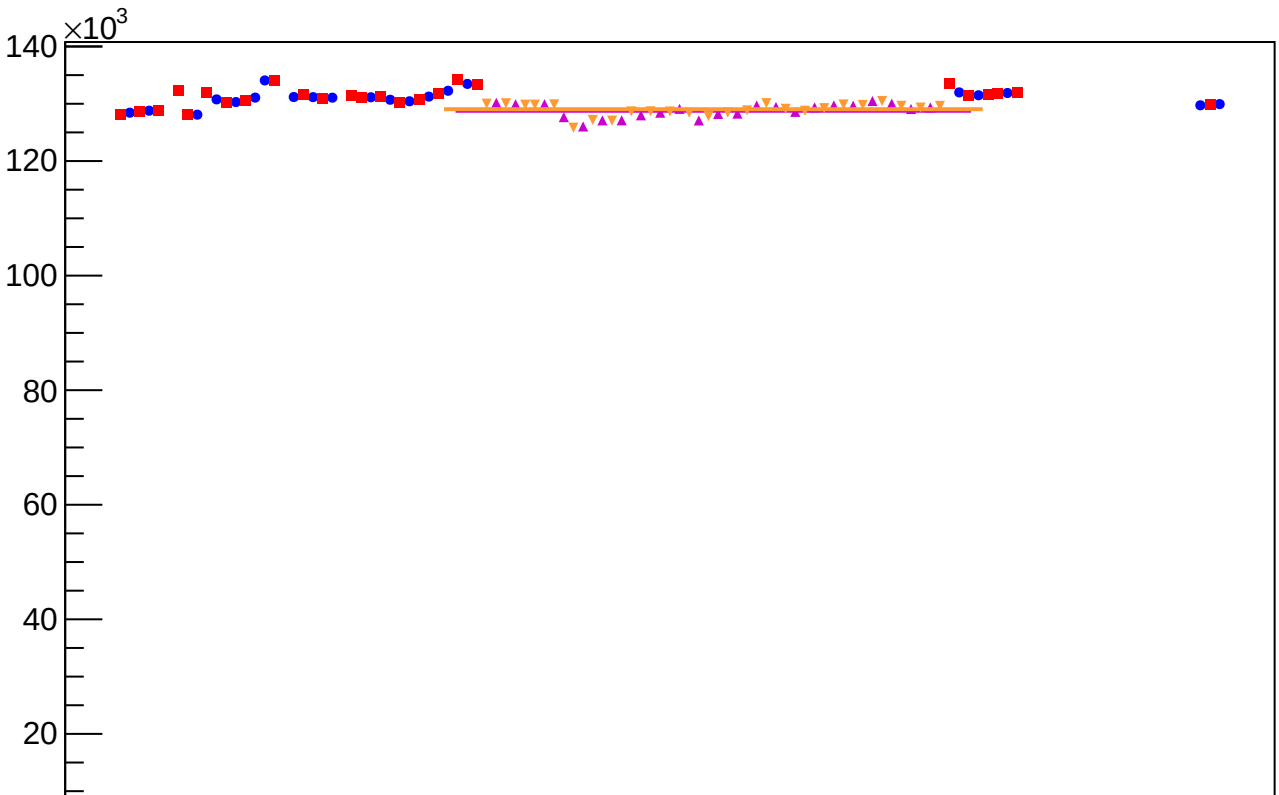
Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 204.687+/-0.025 χ^2/NDF: 4037646.8/54

All: 202.523+/-0.017 χ^2/NDF: 8739644.0/11

- sign 200.404+/-0.024 χ^2/NDF: 4686601.4/56

yield_bpm0l06WS_mean vs Slug



Right In: 3453.204+/-0.005 χ^2/NDF: 5300294600336.8/29

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3877.078+/-0.005 χ^2/NDF: 6064442554283.5/33

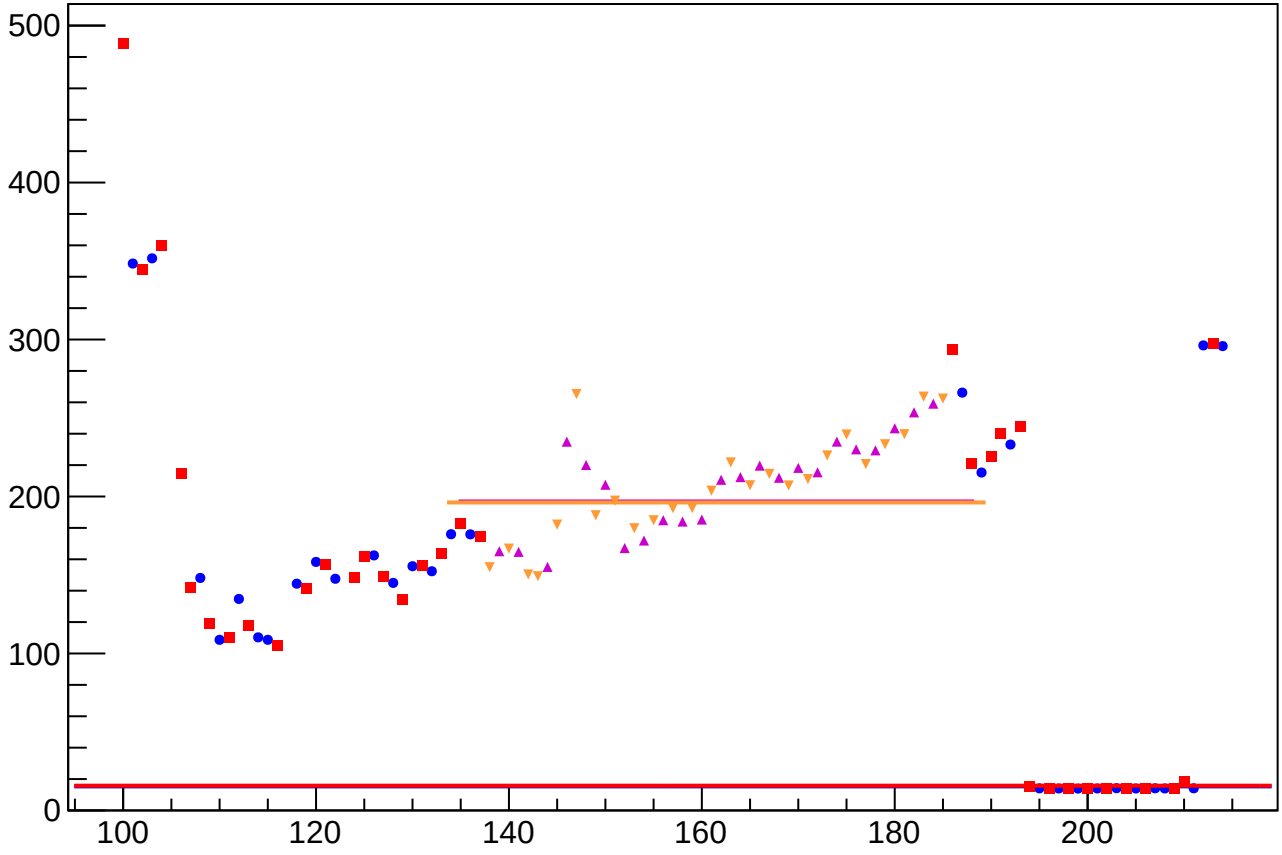
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 4985.221+/-0.005 χ^2/NDF: 12830448409397

All: 5243.448+/-0.004 χ^2/NDF: 2590050236

- sign 5543.626+/-0.005 χ^2/NDF: 13064341667025

yield_bpm0l06WS_rms vs Slug



Right In: 15.337+/-0.004 χ^2/NDF: 17432587.1/29

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

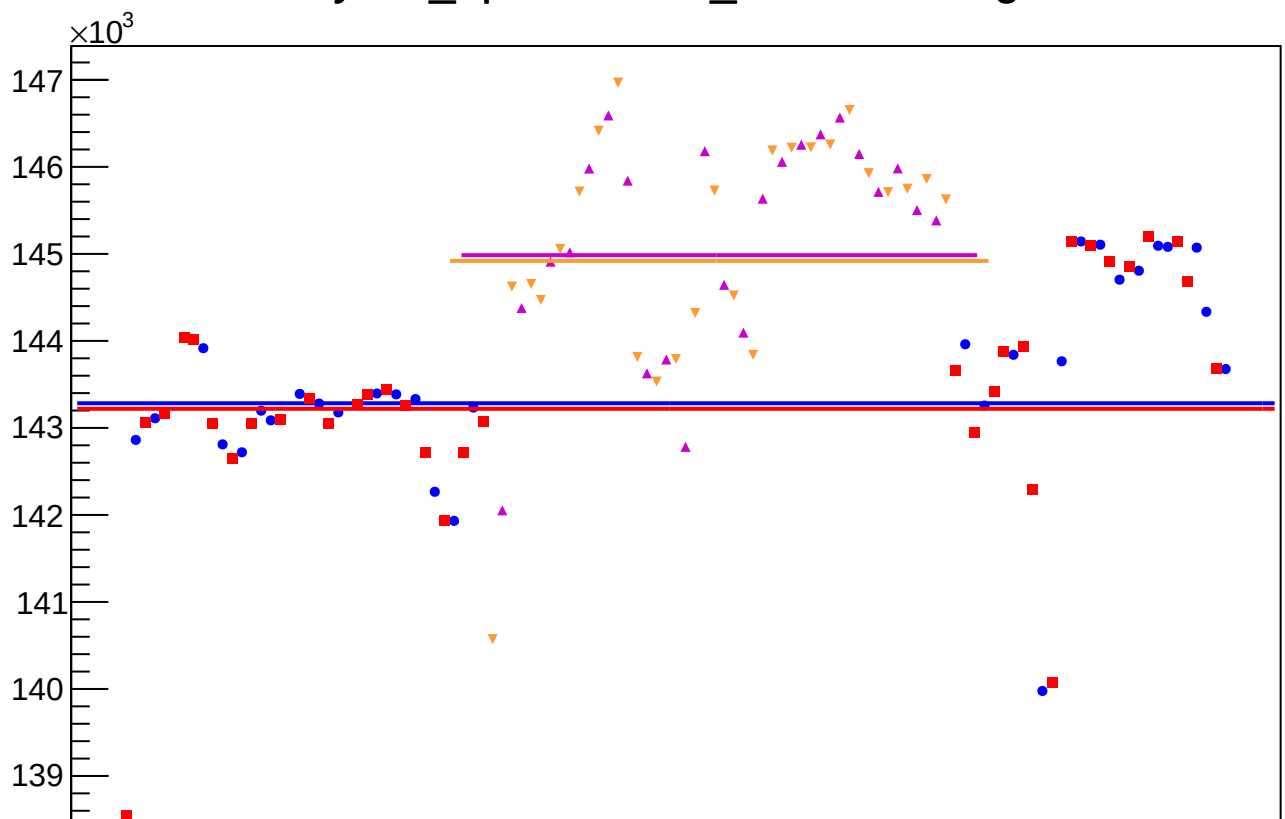
Right Out: 15.772+/-0.004 χ^2/NDF: 18136098.2/33

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

\+ sign 17.543+/-0.004 χ^2/NDF: 49584415.4/54

All: 17.841+/-0.003 χ^2/NDF: 97925318.8/111

\- sign 18.188+/-0.004 χ^2/NDF: 48325644.1/56



Right In: 143283.517+/-0.056 χ^2/NDF: 268648716.4/29

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143220.012+/-0.052 χ^2/NDF: 266273685.3/33

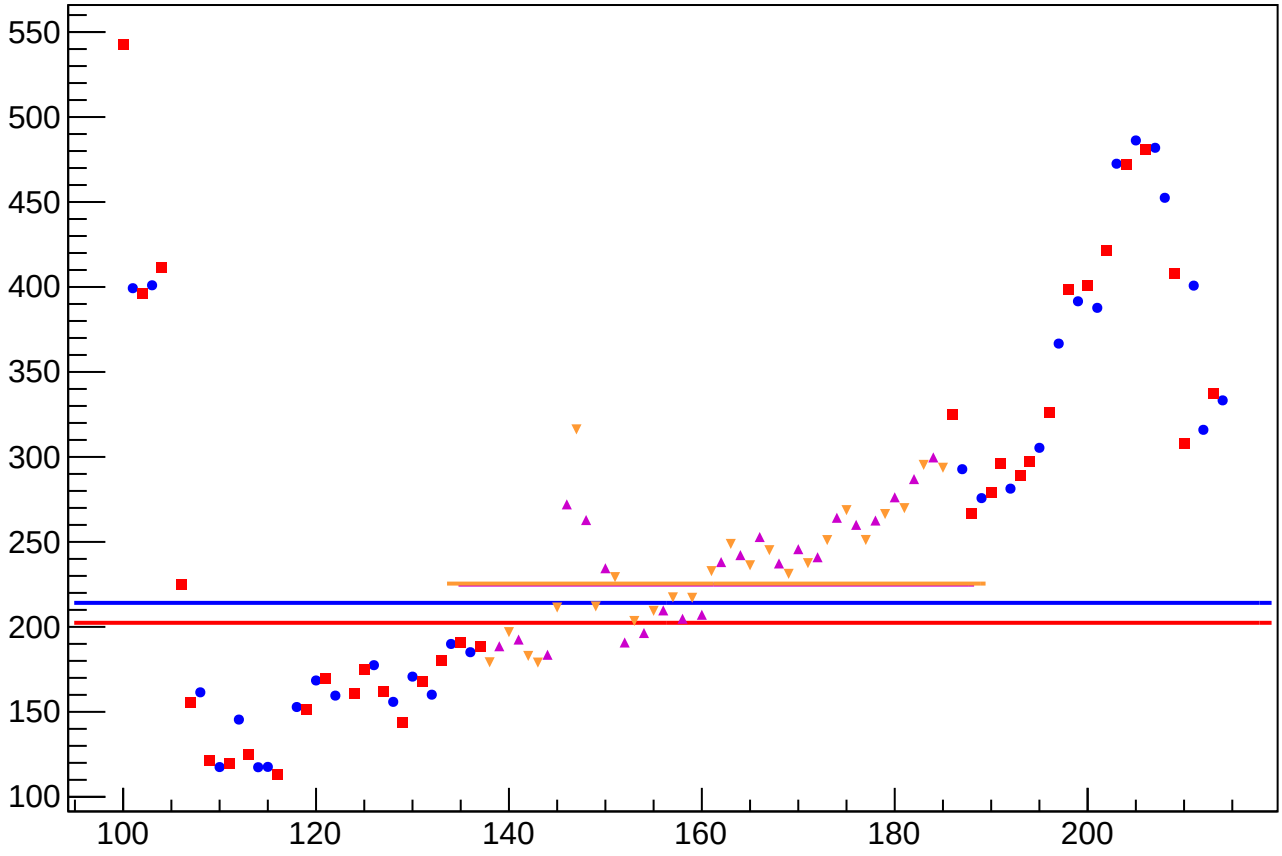
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144156.957+/-0.038 χ^2/NDF: 1561401956.1

All: 144117.158+/-0.027 χ^2/NDF: 30062560

- sign 144079.000+/-0.037 χ^2/NDF: 1442723960.9/

yield_bpm0l07WS_rms vs Slug



Right In: 214.138+/-0.040 χ^2/NDF: 6420281.0/29

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

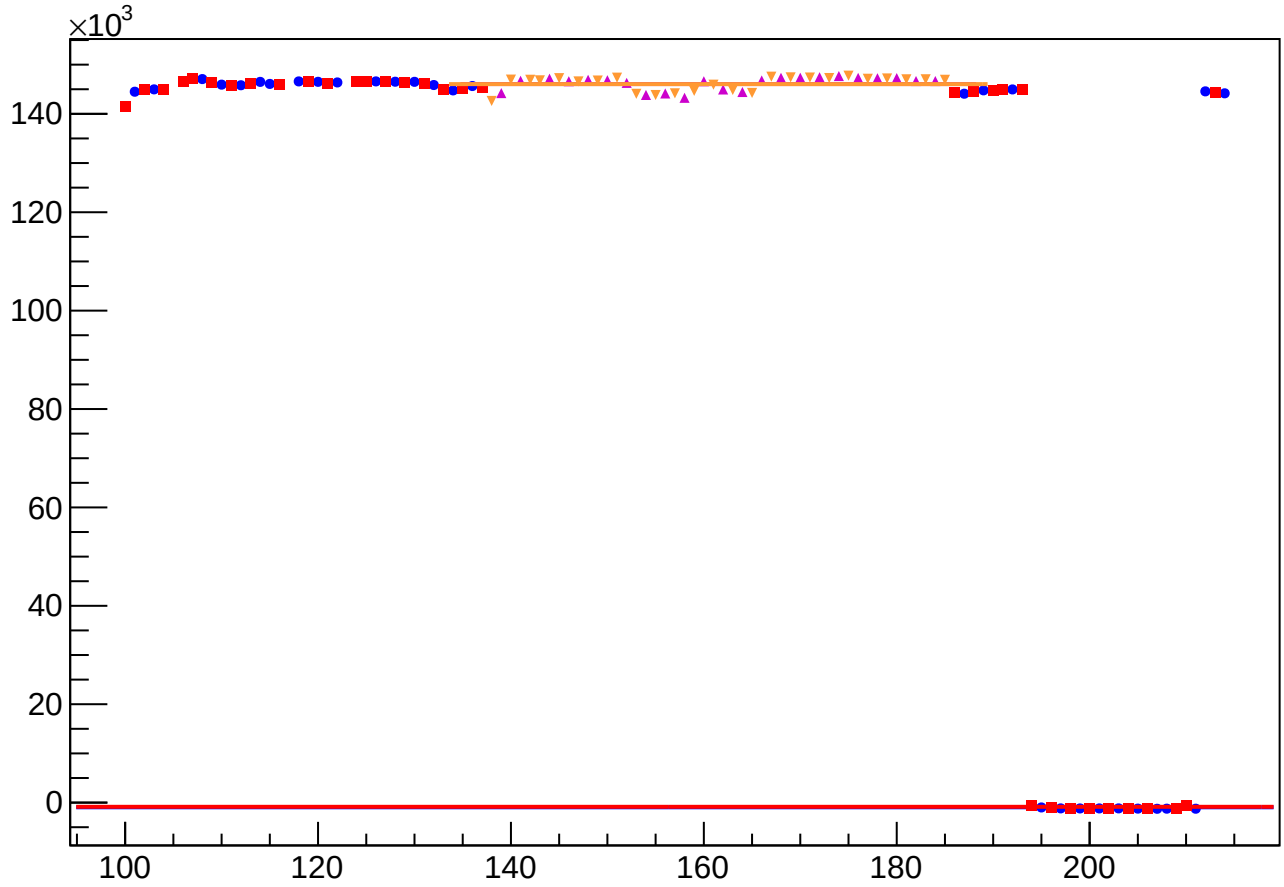
Right Out: 202.404+/-0.037 χ^2/NDF: 6920885.1/33

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 220.193+/-0.027 χ^2/NDF: 7239589.0/54

All: 216.691+/-0.019 χ^2/NDF: 15097843.4/11

- sign 213.333+/-0.026 χ^2/NDF: 7825268.8/56



Right In: -951.761+/-0.003 χ^2/NDF: 5707796116295.9/29

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

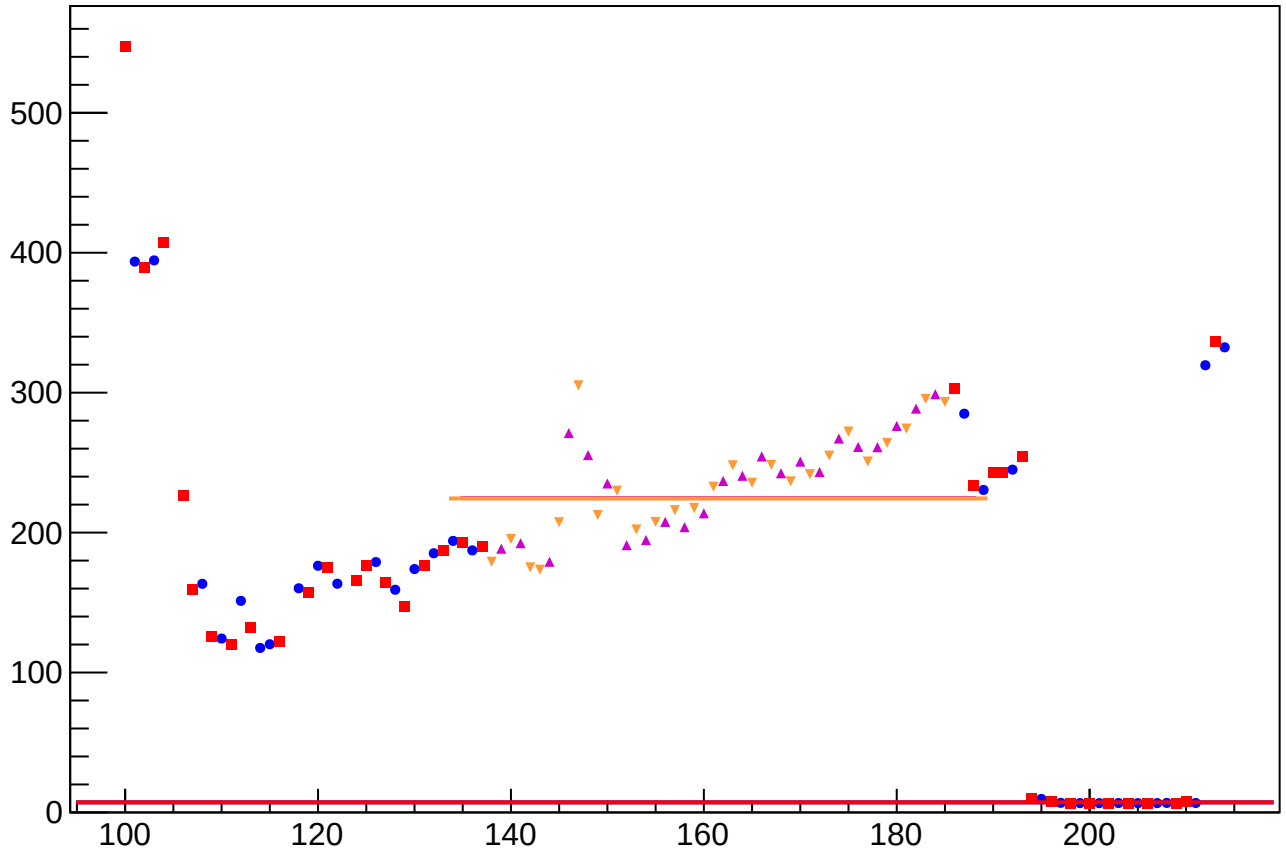
Right Out: -854.397+/-0.003 χ^2/NDF: 6632250204694.8/33

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -611.975+/-0.003 χ^2/NDF: 13678040904798

All: -553.410+/-0.002 χ^2/NDF: 2781645013

- sign -486.038+/-0.003 χ^2/NDF: 14137236573616.



Right In: 7.195+/-0.002 χ^2/NDF: 19310074.6/29

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

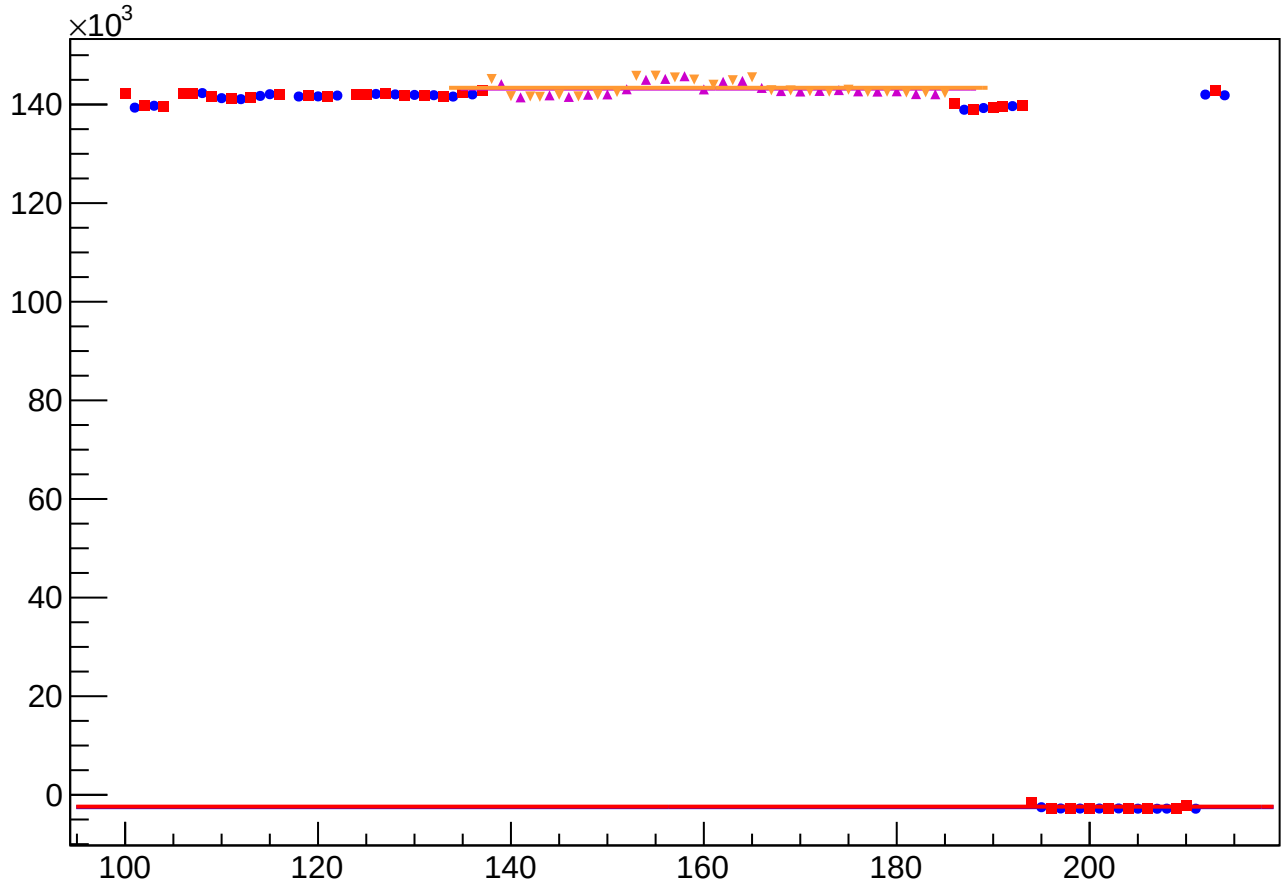
Right Out: 7.247+/-0.002 χ^2/NDF: 20153793.7/33

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.697+/-0.002 χ^2/NDF: 54963118.7/54

All: 7.741+/-0.001 χ^2/NDF: 108743853.1/111

- sign 7.792+/-0.002 χ^2/NDF: 53779408.4/56



Right In: -2495.353+/-0.003 χ^2/NDF: 5244563324665.0/29

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2392.501+/-0.003 χ^2/NDF: 5984969354350.7/33

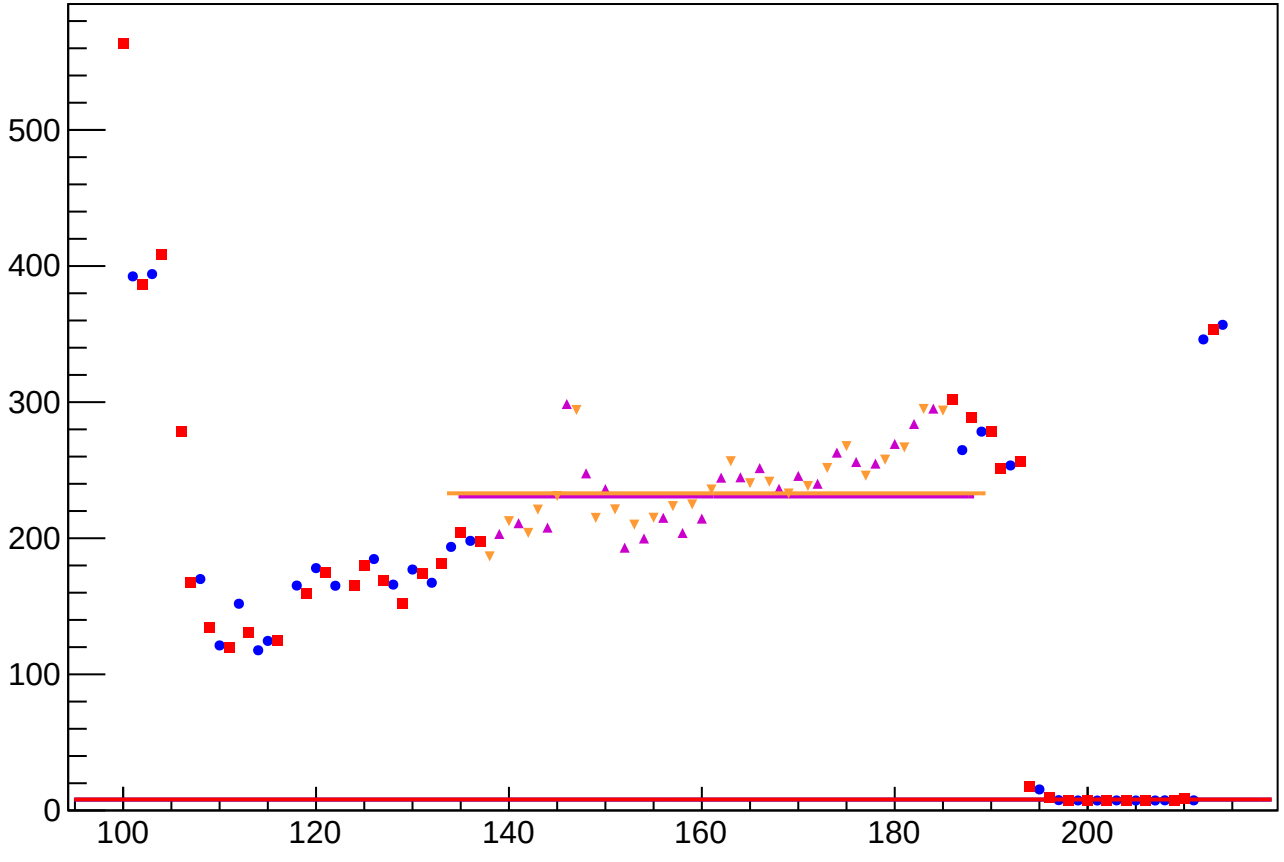
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2100.515+/-0.003 χ^2/NDF: 1260976471561

All: -2034.054+/-0.002 χ^2/NDF: 256284666

- sign -1957.541+/-0.003 χ^2/NDF: 1301748376259

yield_bpm0l09WS_rms vs Slug



Right In: 7.975+/-0.002 χ^2/NDF: 19456946.7/29

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

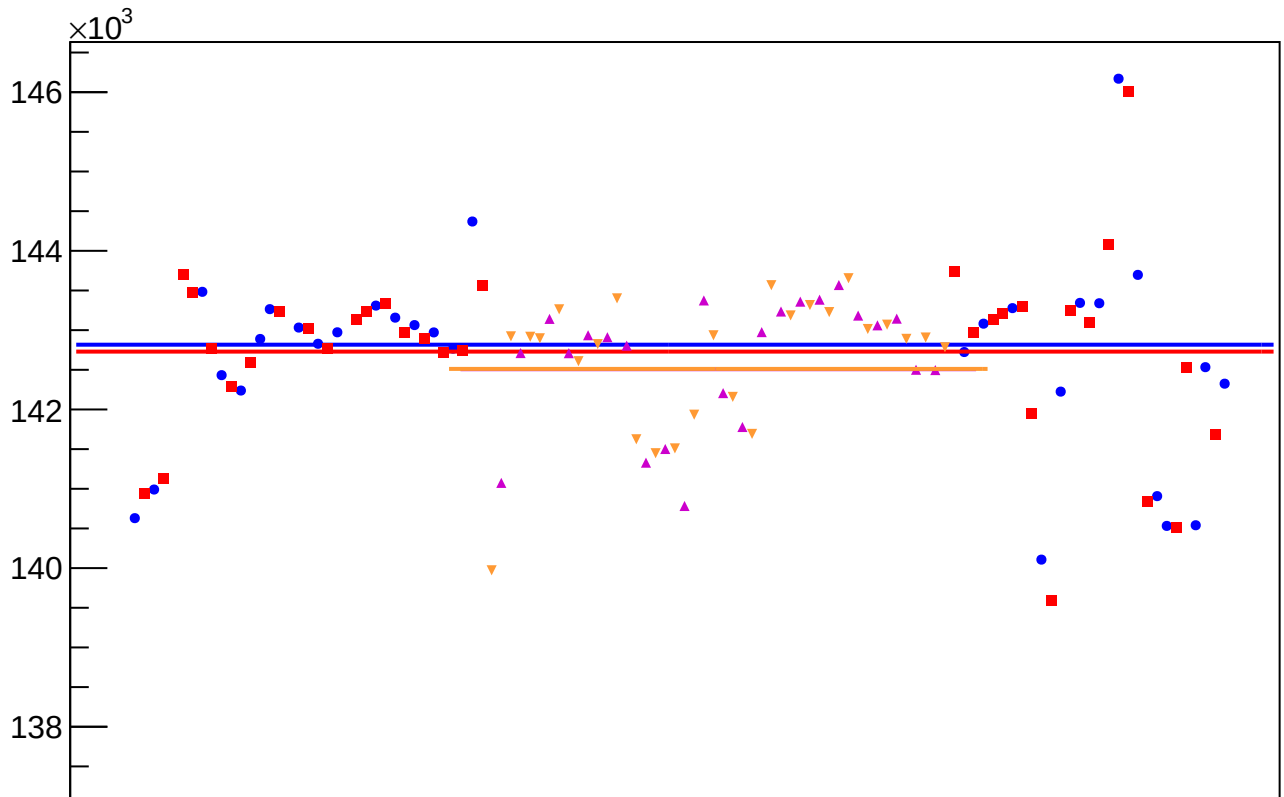
Right Out: 8.051+/-0.002 χ^2/NDF: 20197310.0/33

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.584+/-0.002 χ^2/NDF: 54950090.0/54

All: 8.645+/-0.001 χ^2/NDF: 108540126.1/111

- sign 8.716+/-0.002 χ^2/NDF: 53587970.5/56



Right In: 142816.652+/-0.058 χ^2/NDF: 297779620.4/29

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142729.519+/-0.054 χ^2/NDF: 247173343.1/33

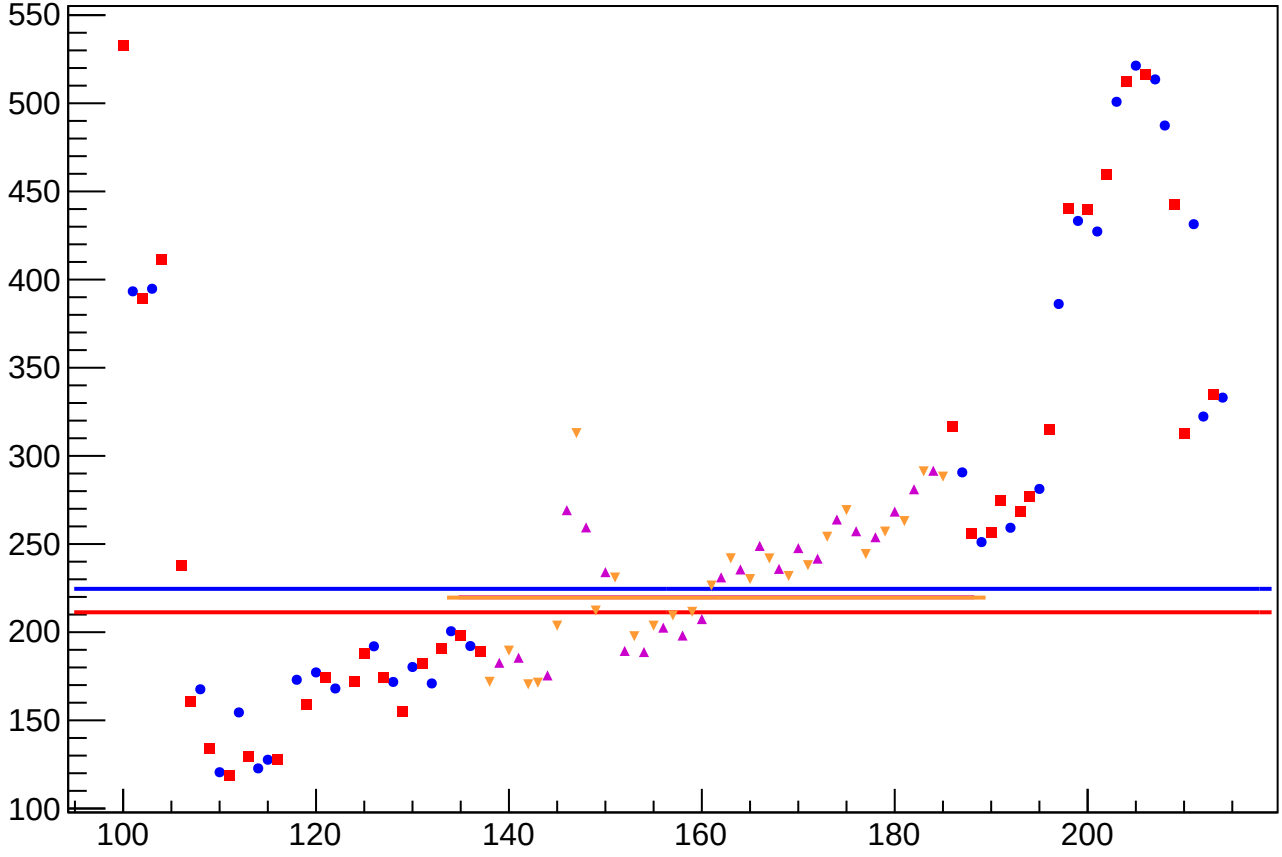
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142643.086+/-0.038 χ^2/NDF: 651385499.4/5

All: 142628.729+/-0.027 χ^2/NDF: 11767827

- sign 142614.909+/-0.038 χ^2/NDF: 525122620.5/5

yield_bpm0l10WS_rms vs Slug



Right In: 224.587+/-0.041 χ^2/NDF: 6117215.8/29

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

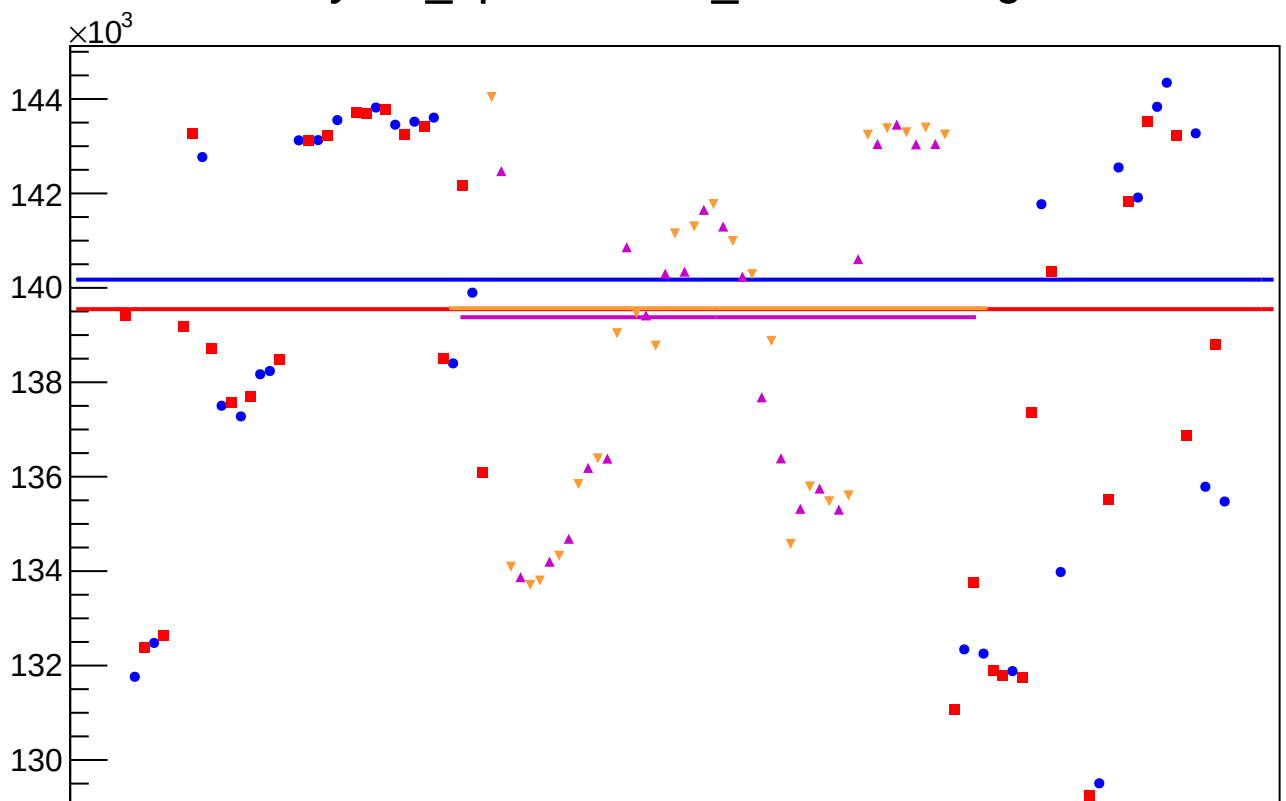
Right Out: 211.285+/-0.038 χ^2/NDF: 6527681.9/33

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 221.762+/-0.027 χ^2/NDF: 7027464.6/54

All: 218.667+/-0.019 χ^2/NDF: 14411780.3/11

- sign 215.689+/-0.027 χ^2/NDF: 7358802.3/56



Right In: 140174.335+/-0.083 χ^2/NDF: 2802002425.1/29

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139548.523+/-0.081 χ^2/NDF: 2824187138.6/33

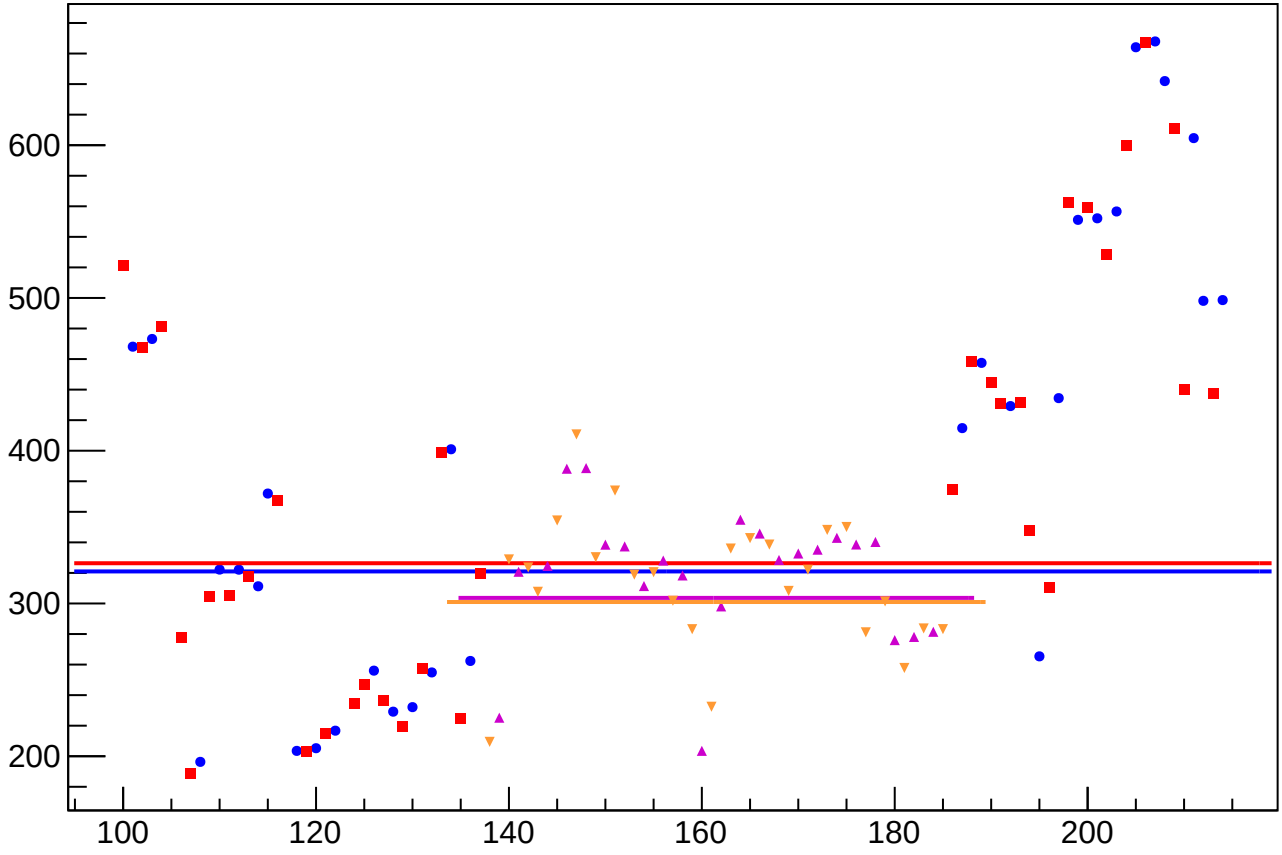
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139821.739+/-0.053 χ^2/NDF: 5419884802.7

All: 139640.764+/-0.038 χ^2/NDF: 10191278

- sign 139453.766+/-0.054 χ^2/NDF: 4748069047.0/

yield_bpm0r03WS_rms vs Slug



Right In: 320.981+/-0.058 χ^2/NDF: 5235216.7/29

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

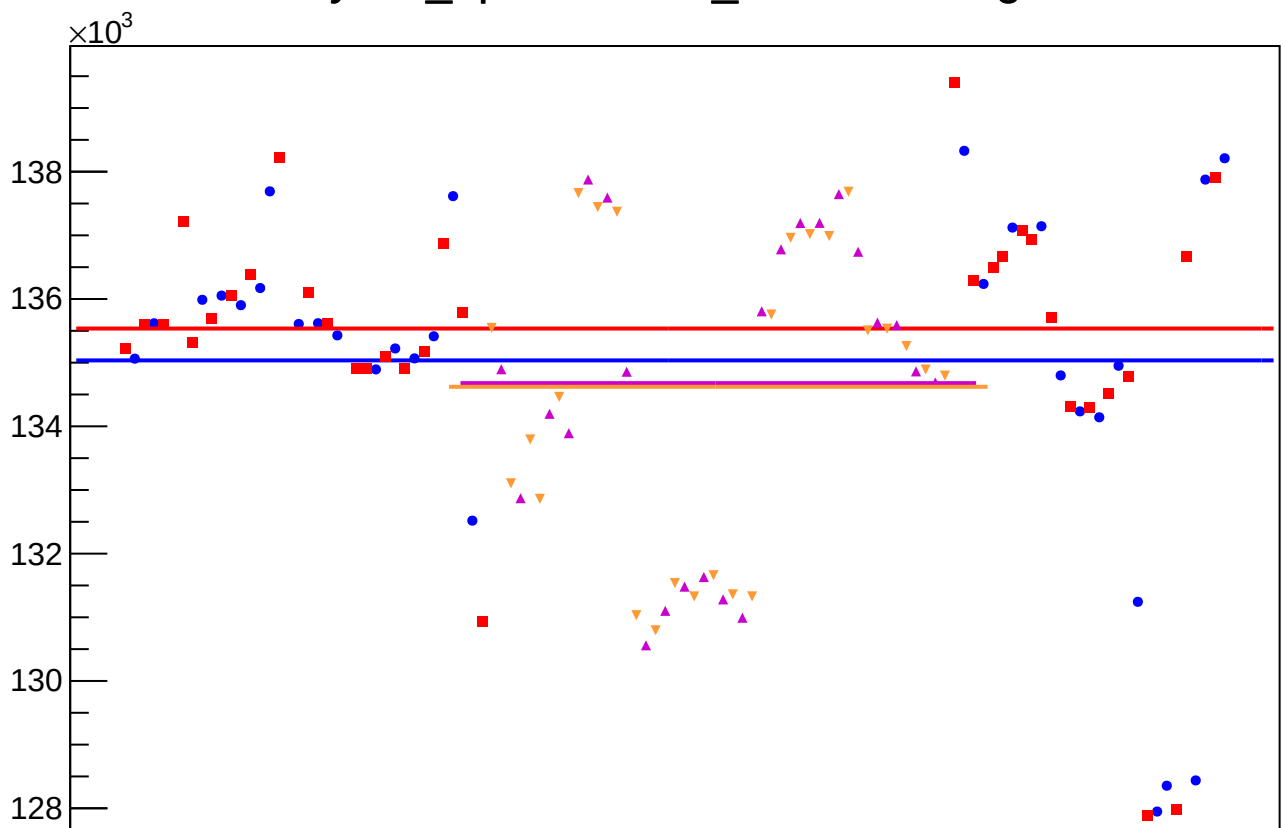
Right Out: 326.346+/-0.058 χ^2/NDF: 4509055.7/33

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 309.326+/-0.038 χ^2/NDF: 6180378.4/54

All: 311.512+/-0.027 χ^2/NDF: 11758699.2/11

- sign 313.770+/-0.038 χ^2/NDF: 5571518.7/56



Right In: 135035.482+/-0.078 χ^2/NDF: 882491434.5/29

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135536.139+/-0.071 χ^2/NDF: 781674106.4/33

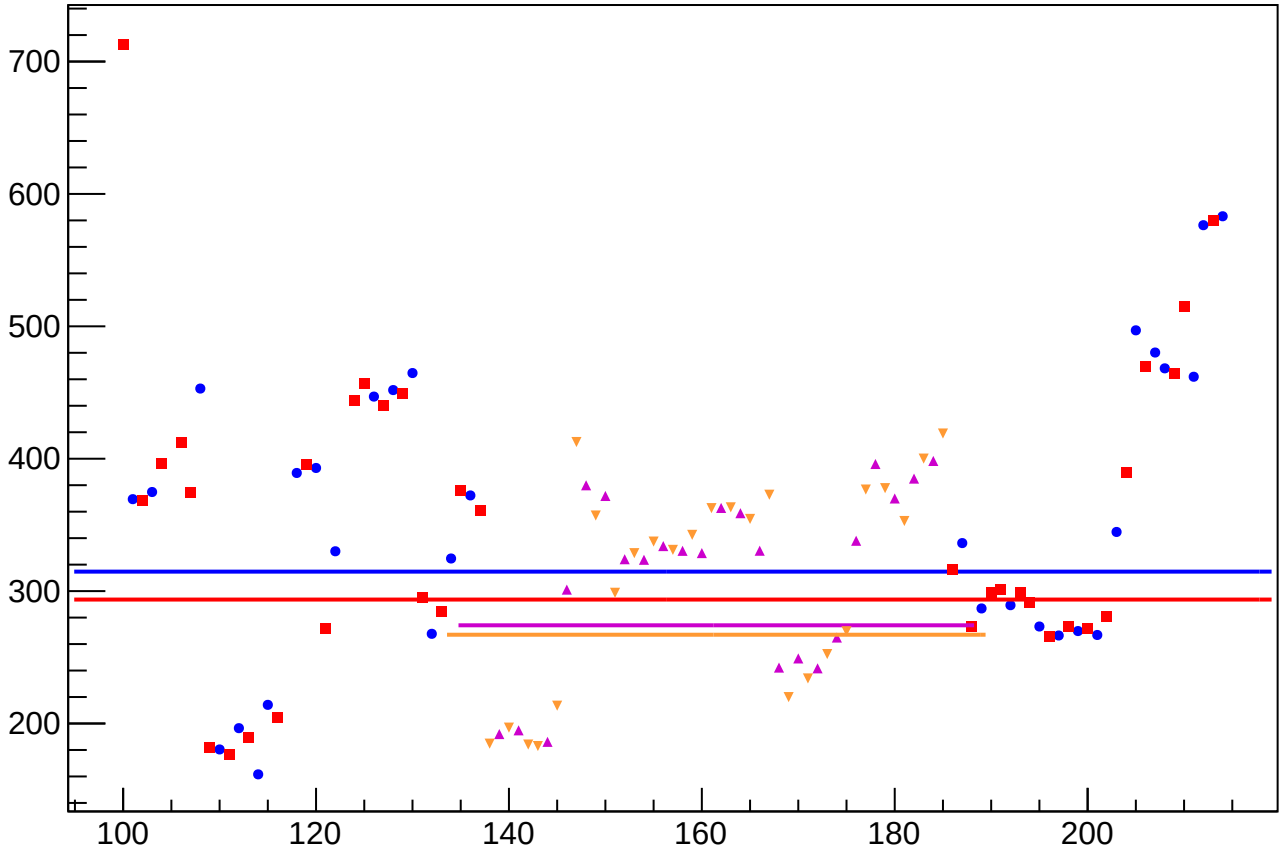
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134787.173+/-0.049 χ^2/NDF: 2100940654.0

All: 134934.636+/-0.035 χ^2/NDF: 40733829

- sign 135079.136+/-0.049 χ^2/NDF: 1954750415.8/

yield_bpm0r05WS_rms vs Slug



Right In: 314.717+/-0.055 χ^2/NDF: 3216776.0/29

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

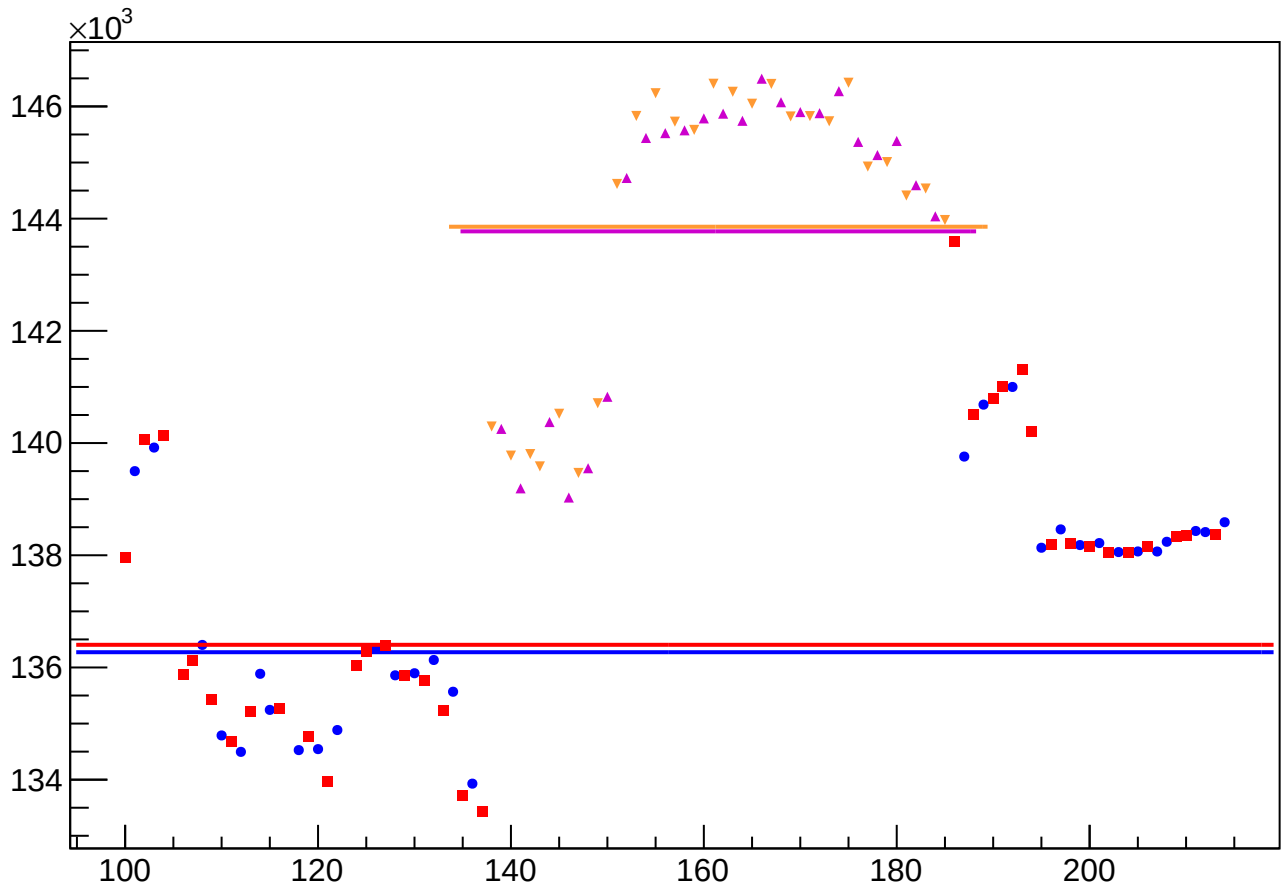
Right Out: 293.620+/-0.051 χ^2/NDF: 3202958.9/33

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 286.163+/-0.035 χ^2/NDF: 6508538.5/54

All: 284.697+/-0.025 χ^2/NDF: 12030673.0/11

- sign 283.260+/-0.035 χ^2/NDF: 5518635.3/56



Right In: 136271.927+/-0.046 χ^2/NDF: 1696278719.1/29

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136403.951+/-0.044 χ^2/NDF: 2300627996.9/33

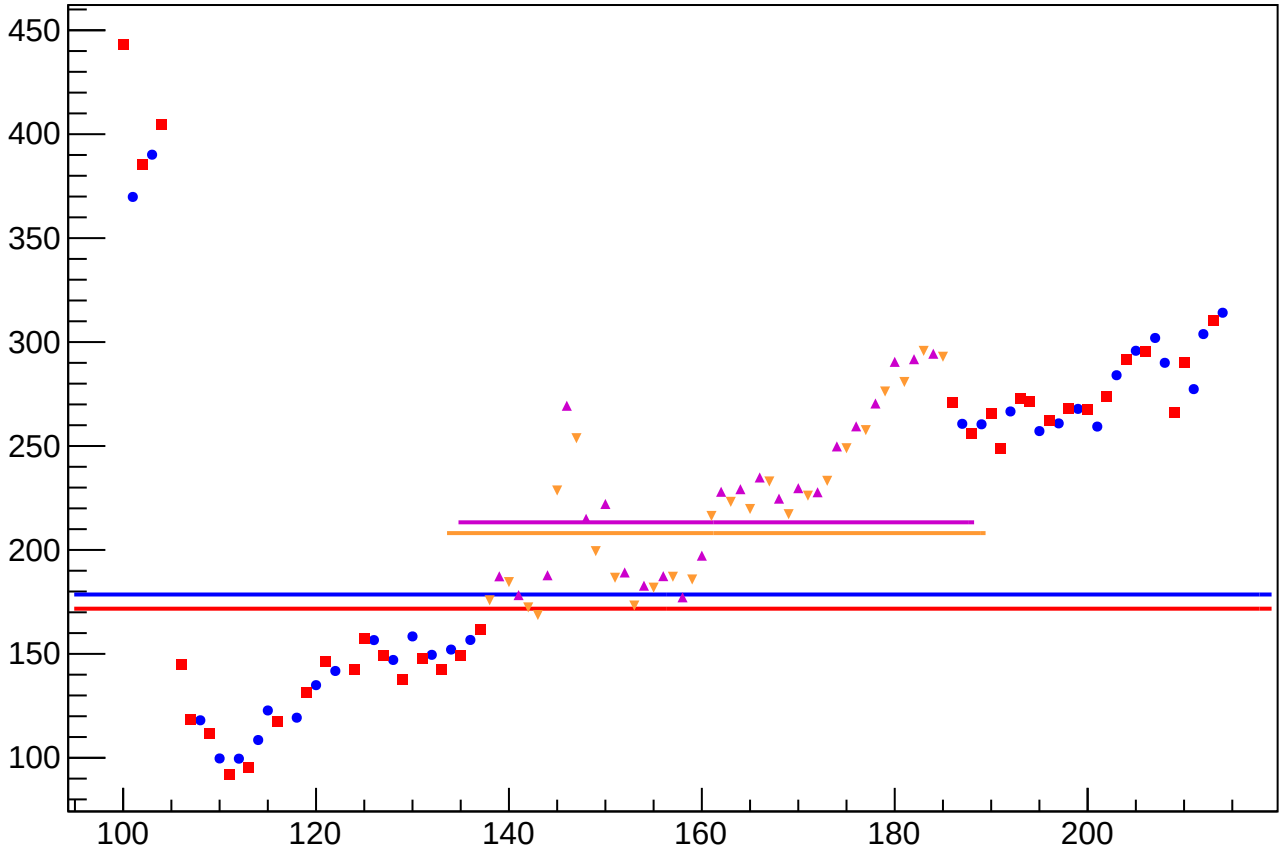
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139861.453+/-0.033 χ^2/NDF: 17793560263.

All: 139693.702+/-0.023 χ^2/NDF: 35015968

- sign 139526.992+/-0.033 χ^2/NDF: 17171666639.5

yield_bpm0i02WS_rms vs Slug



Right In: 178.564+/-0.032 χ^2/NDF: 5473352.1/29

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

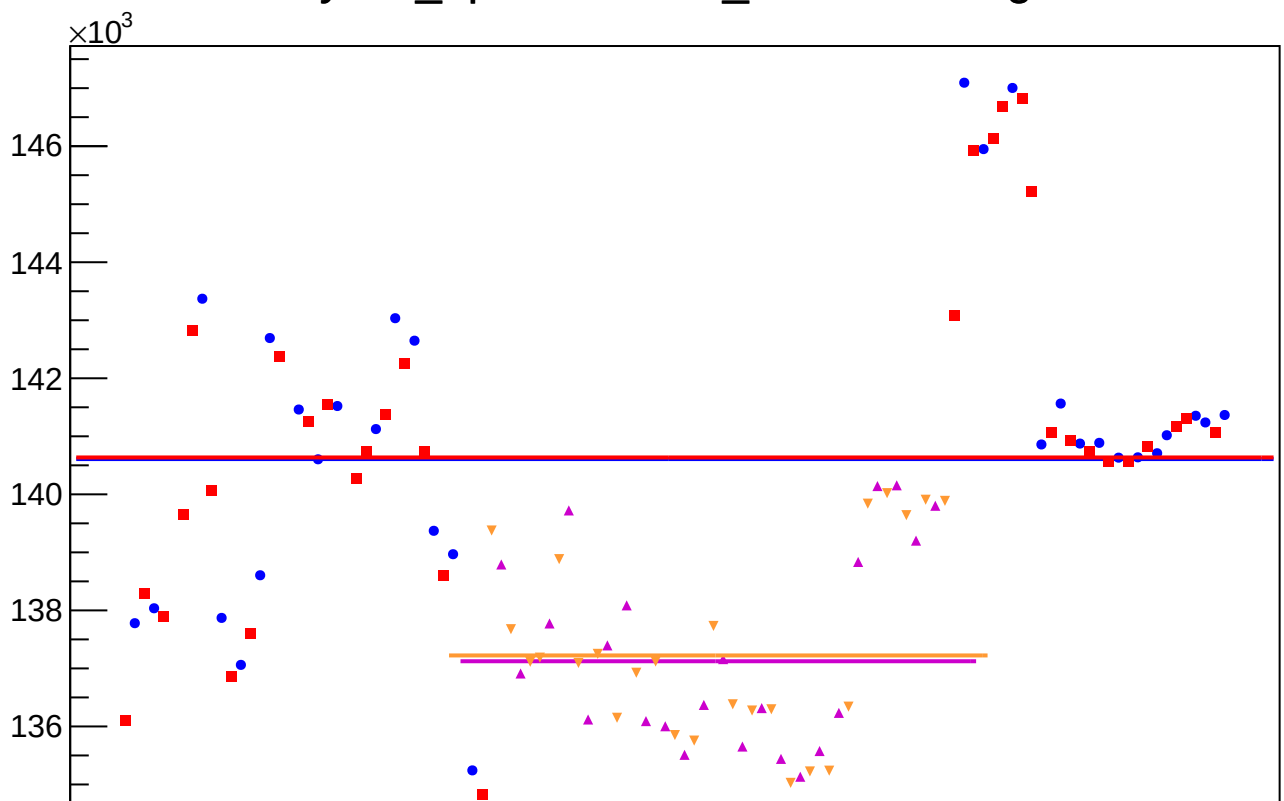
Right Out: 171.742+/-0.031 χ^2/NDF: 6064974.1/33

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 192.544+/-0.024 χ^2/NDF: 6859717.8/54

All: 190.942+/-0.017 χ^2/NDF: 14566593.7/11

- sign 189.349+/-0.023 χ^2/NDF: 7697617.8/56



Right In: 140607.922+/-0.051 χ^2/NDF: 2822410540.2/29

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140635.568+/-0.049 χ^2/NDF: 3248073395.5/33

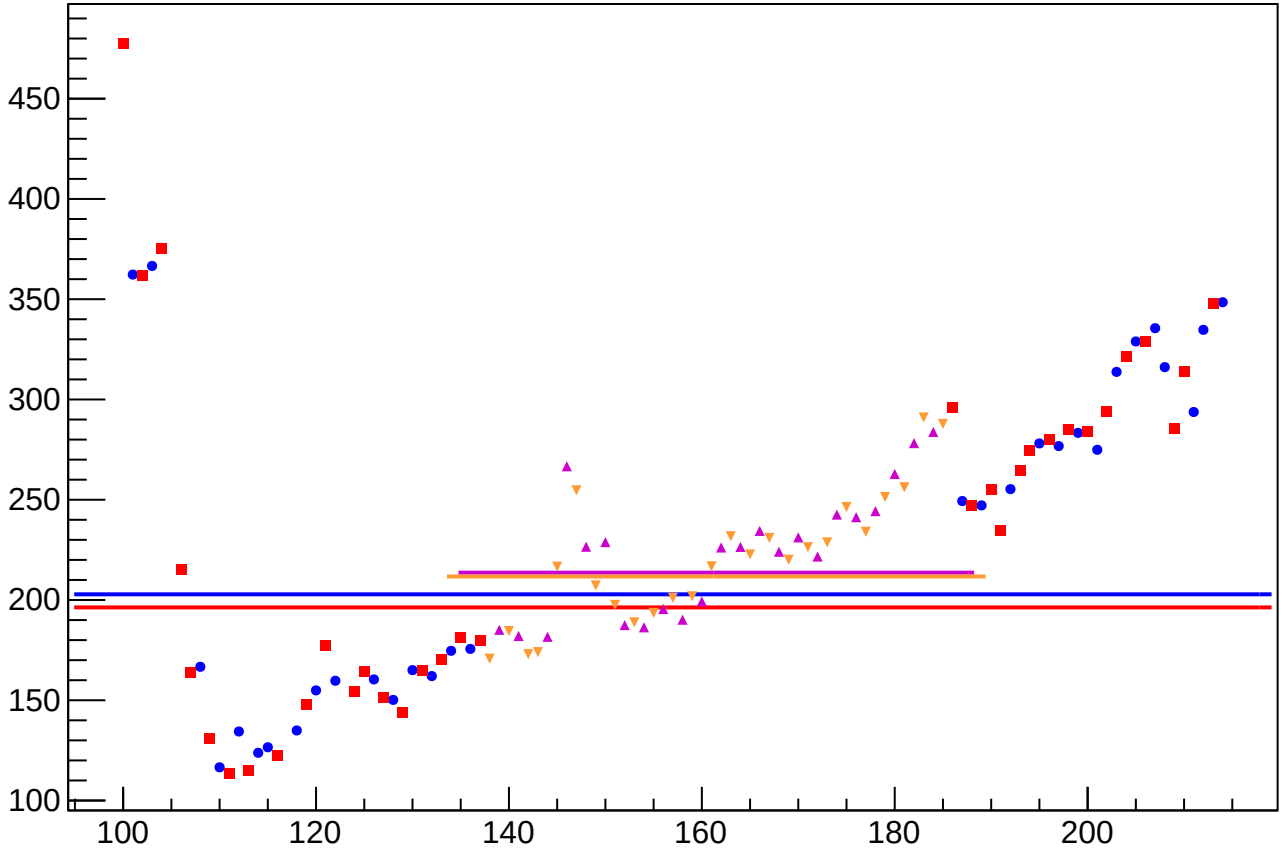
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138844.738+/-0.035 χ^2/NDF: 5997557980.0

All: 138897.110+/-0.025 χ^2/NDF: 12584607

- sign 138949.112+/-0.035 χ^2/NDF: 6582687764.2/

yield_bpm0i02aWS_rms vs Slug



Right In: 202.837+/-0.036 χ^2/NDF: 4340907.0/29

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

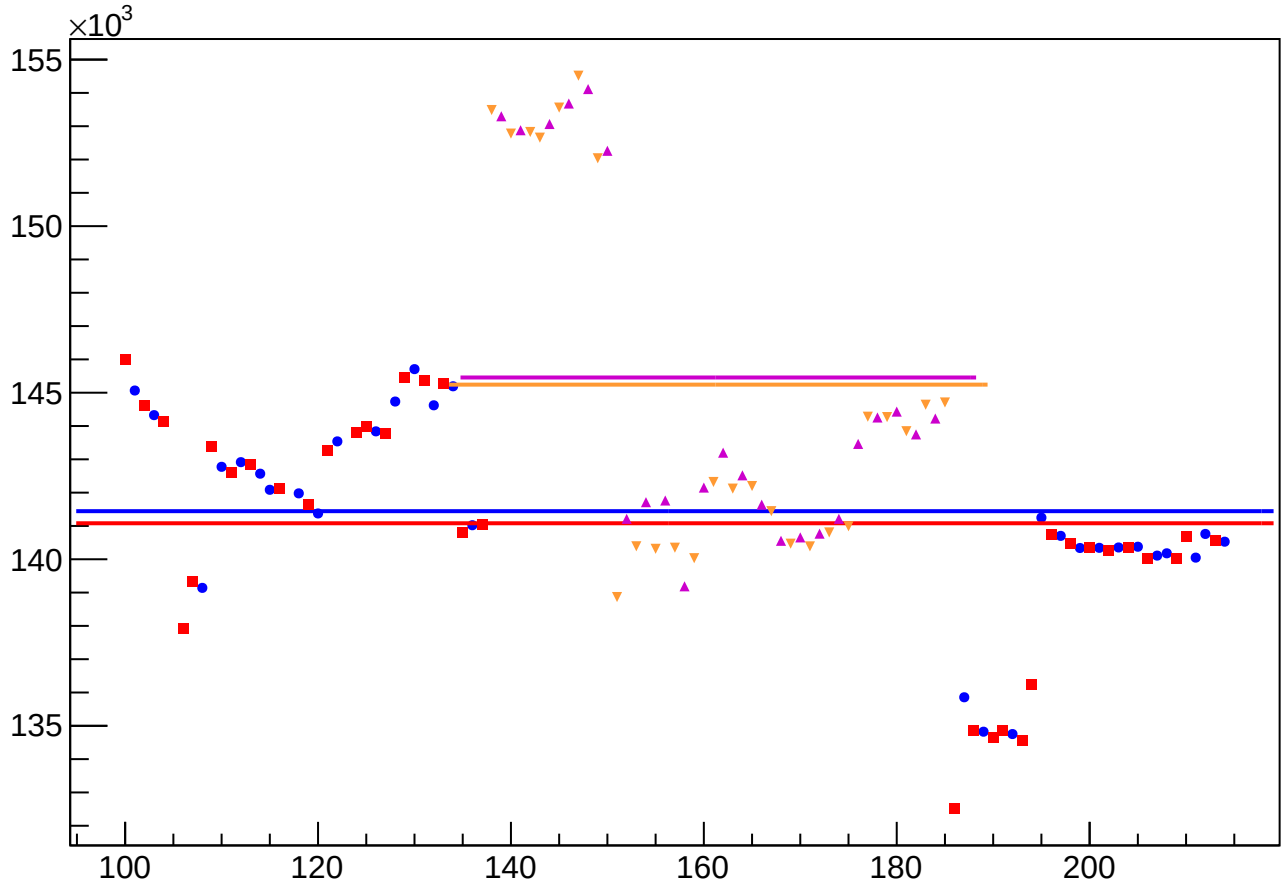
Right Out: 196.307+/-0.035 χ^2/NDF: 4775614.6/33

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 207.462+/-0.025 χ^2/NDF: 5047876.8/54

All: 206.041+/-0.018 χ^2/NDF: 10571773.3/11

- sign 204.630+/-0.025 χ^2/NDF: 5517478.7/56



Right In: 141443.903+/-0.051 χ^2/NDF: 2835735385.5/29

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141080.843+/-0.048 χ^2/NDF: 4427769053.0/33

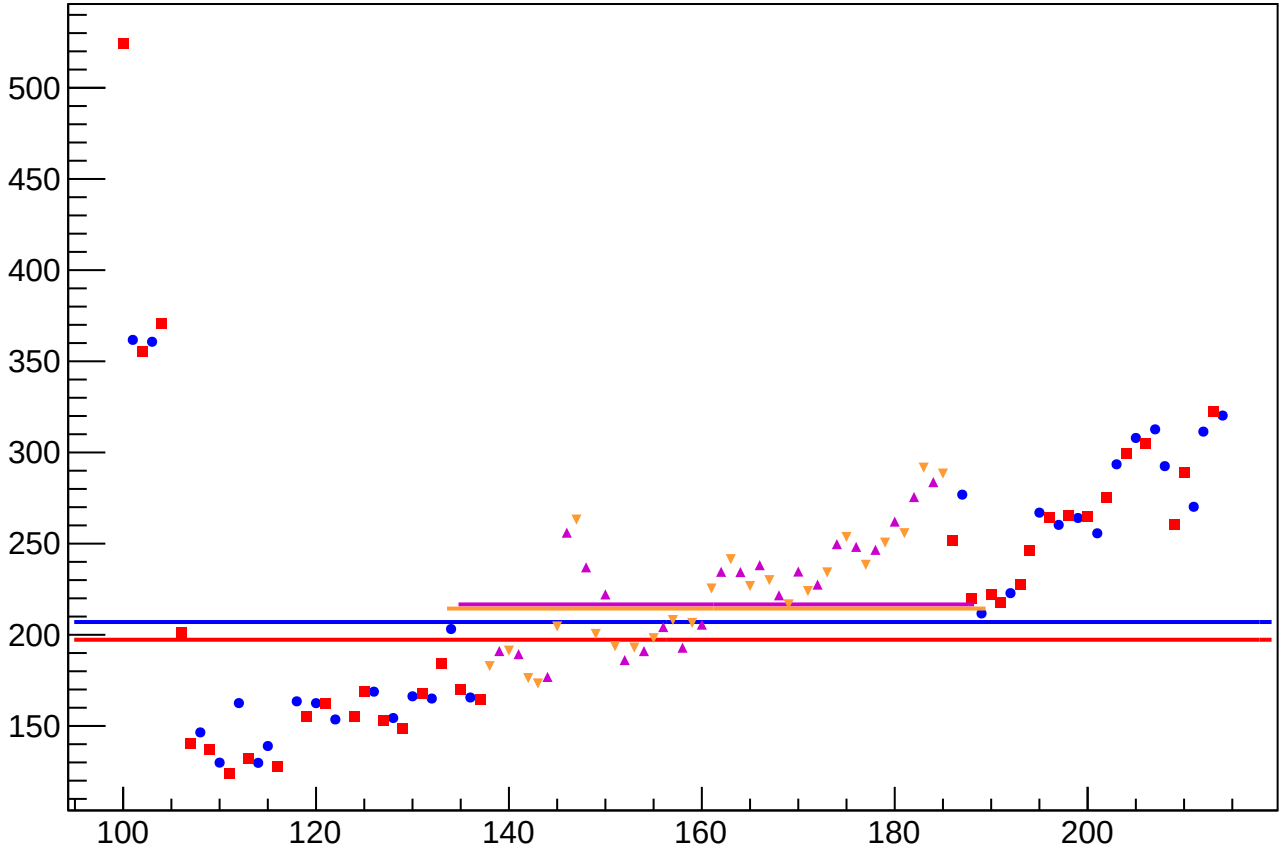
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143404.167+/-0.036 χ^2/NDF: 18704422135.

All: 143261.743+/-0.025 χ^2/NDF: 380758867

- sign 143122.608+/-0.035 χ^2/NDF: 19339906267.6

yield_bpm0i05WS_rms vs Slug



Right In: 207.011+/-0.036 χ^2/NDF: 3119202.5/29

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

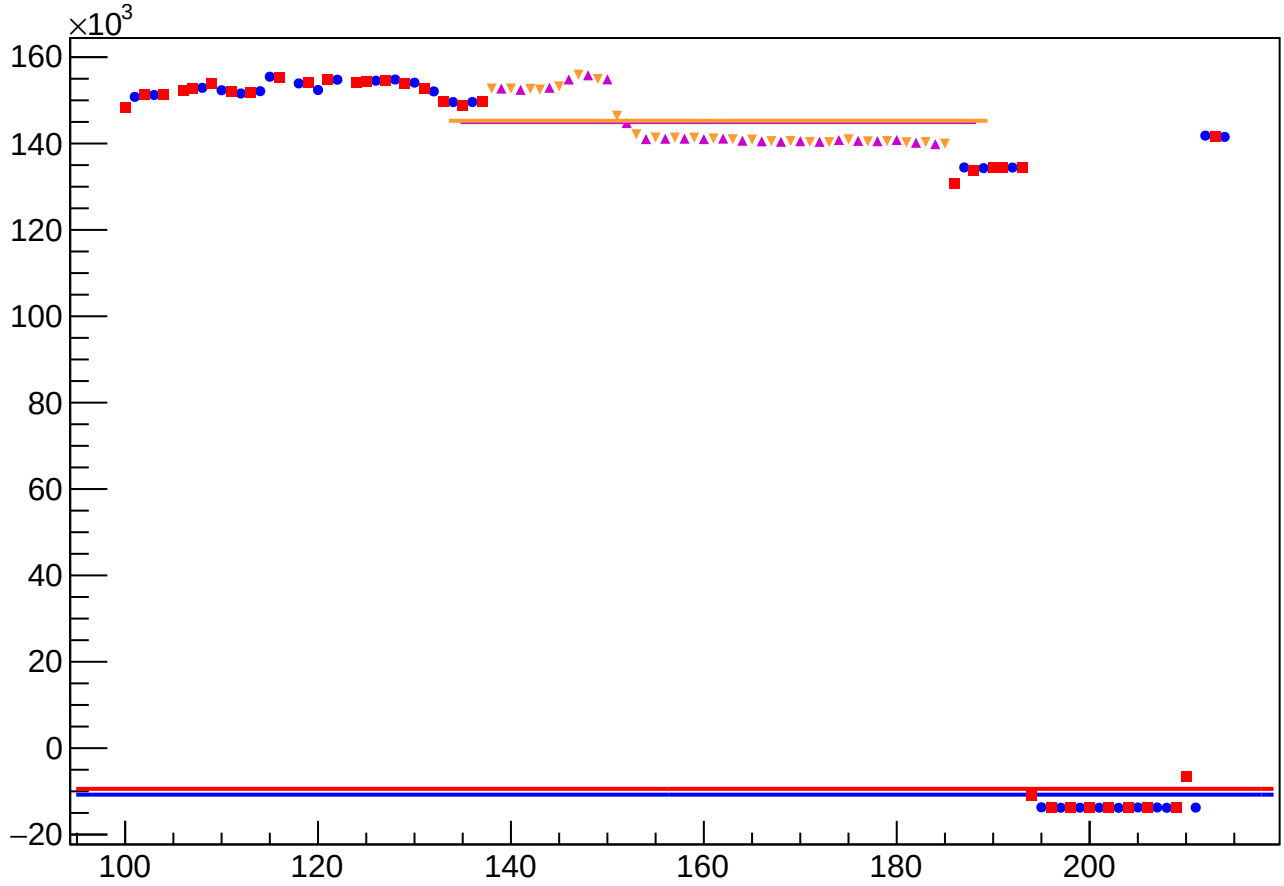
Right Out: 197.285+/-0.034 χ^2/NDF: 3460030.6/33

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 210.820+/-0.025 χ^2/NDF: 3783998.5/54

All: 208.545+/-0.018 χ^2/NDF: 7997733.0/11

- sign 206.323+/-0.025 χ^2/NDF: 4197634.2/56



Right In: -10769.873+/-0.009 χ^2/NDF: 6282465397884.0/29

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9419.032+/-0.009 χ^2/NDF: 7341263408450.8/33

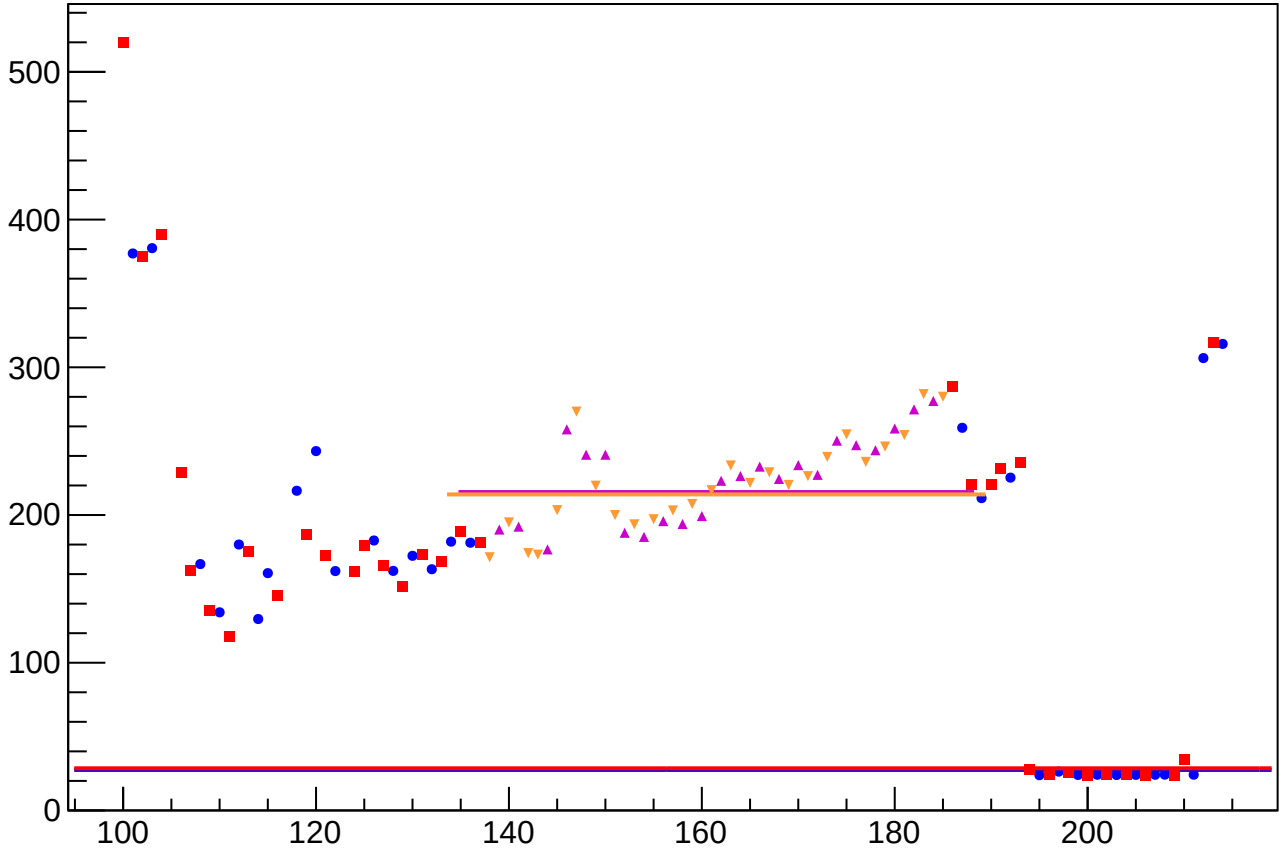
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -6028.334+/-0.009 χ^2/NDF: 1597524940518

All: -5272.613+/-0.006 χ^2/NDF: 3214170839

- sign -4404.254+/-0.009 χ^2/NDF: 16149899398921

yield_bpm0i07WS_rms vs Slug



Right In: 27.454+/-0.006 χ^2/NDF: 15465640.4/29

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

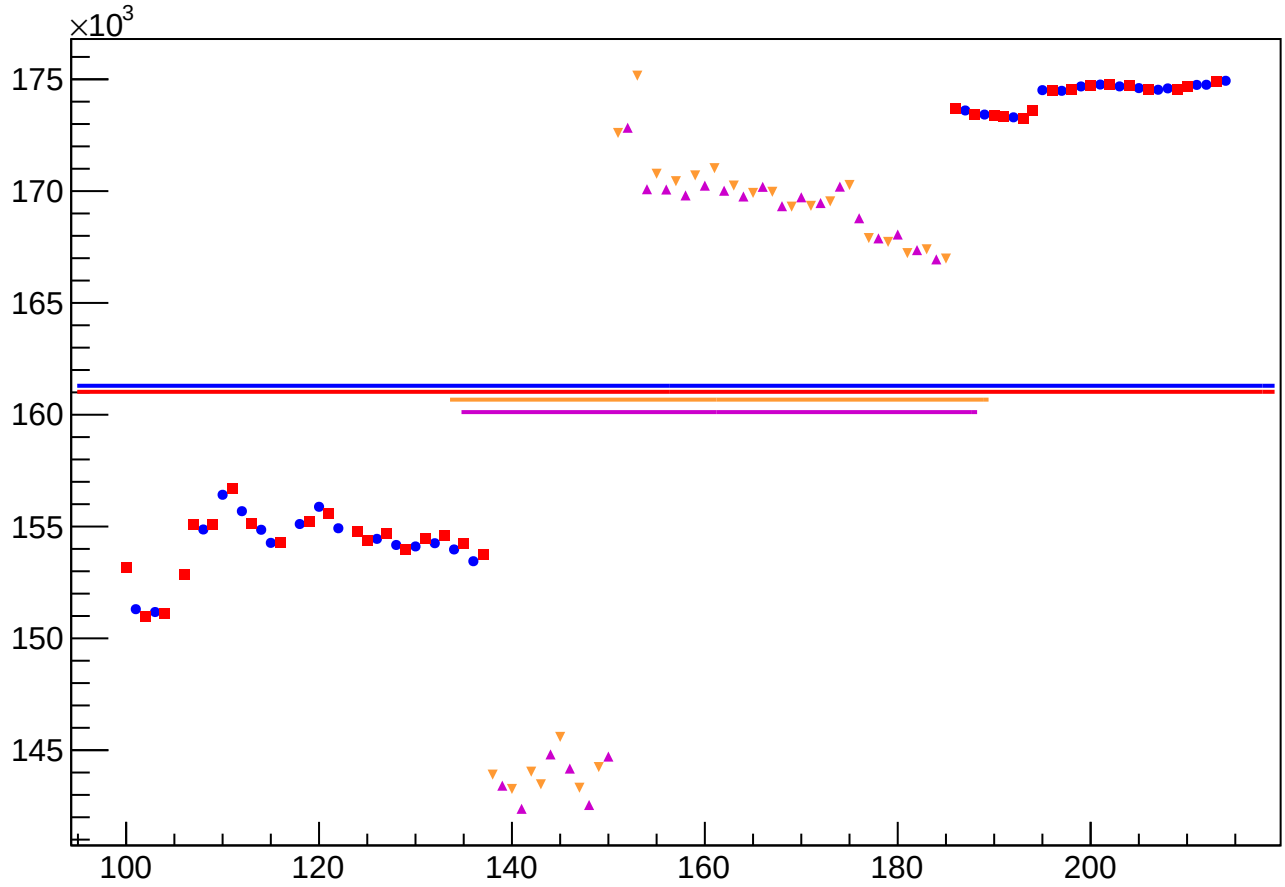
Right Out: 28.535+/-0.007 χ^2/NDF: 15946854.2/33

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.121+/-0.006 χ^2/NDF: 43769060.5/54

All: 33.813+/-0.004 χ^2/NDF: 86153680.4/11

- sign 34.609+/-0.007 χ^2/NDF: 42356802.8/56



Right In: 161295.384+/-0.053 χ^2/NDF: 30701741850.0/29

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161024.956+/-0.050 χ^2/NDF: 32788193605.7/33

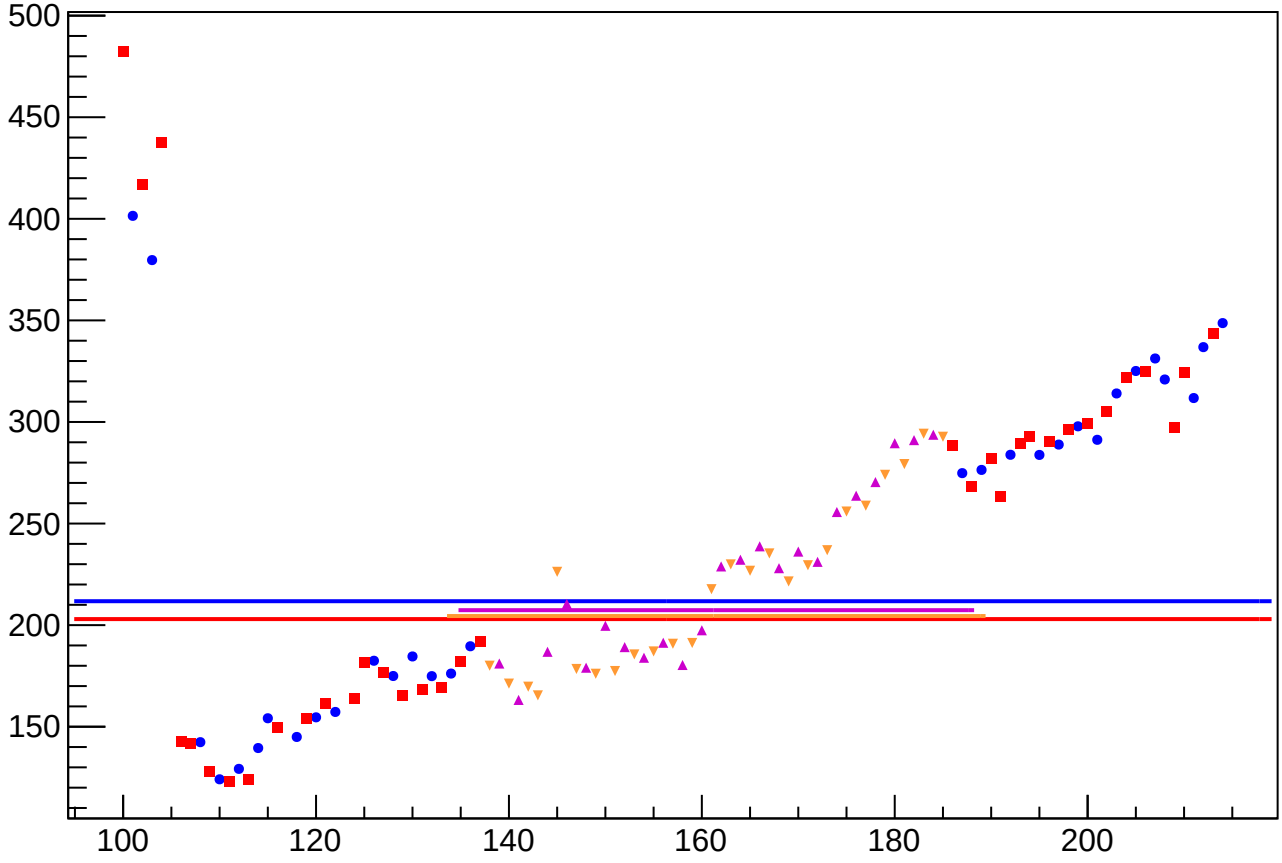
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160949.197+/-0.035 χ^2/NDF: 10493268595

All: 160755.193+/-0.025 χ^2/NDF: 20449951

- sign 160562.753+/-0.035 χ^2/NDF: 99506989945.2

yield_bpm1i02WS_rms vs Slug



Right In: 211.779+/-0.038 χ^2/NDF: 4286250.8/29

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

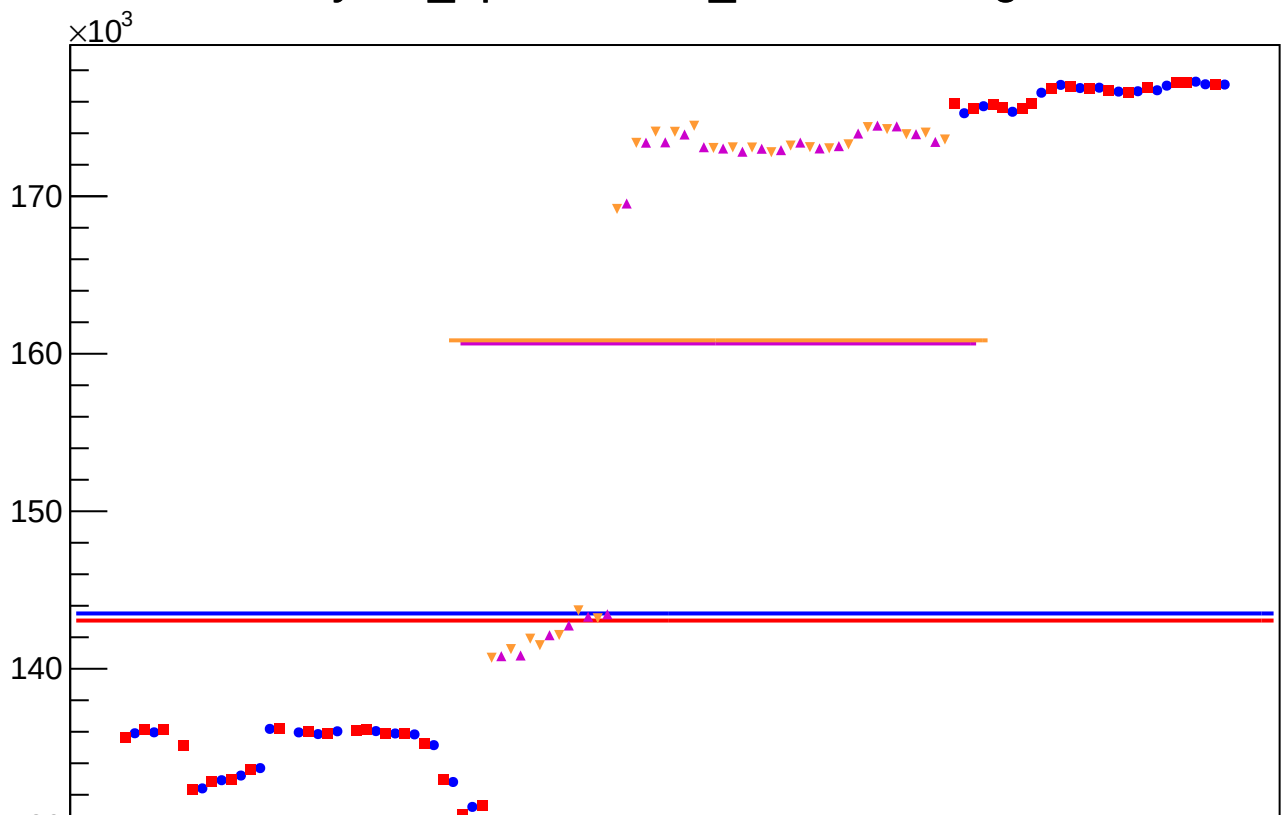
Right Out: 202.976+/-0.036 χ^2/NDF: 4850754.7/33

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 207.705+/-0.025 χ^2/NDF: 5380447.5/54

All: 206.454+/-0.018 χ^2/NDF: 11200582.9/11

- sign 205.213+/-0.025 χ^2/NDF: 5815158.4/56



Right In: 143511.294+/-0.045 χ^2/NDF: 152641003529.8/29

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 143061.473+/-0.043 χ^2/NDF: 164224077309.3/33

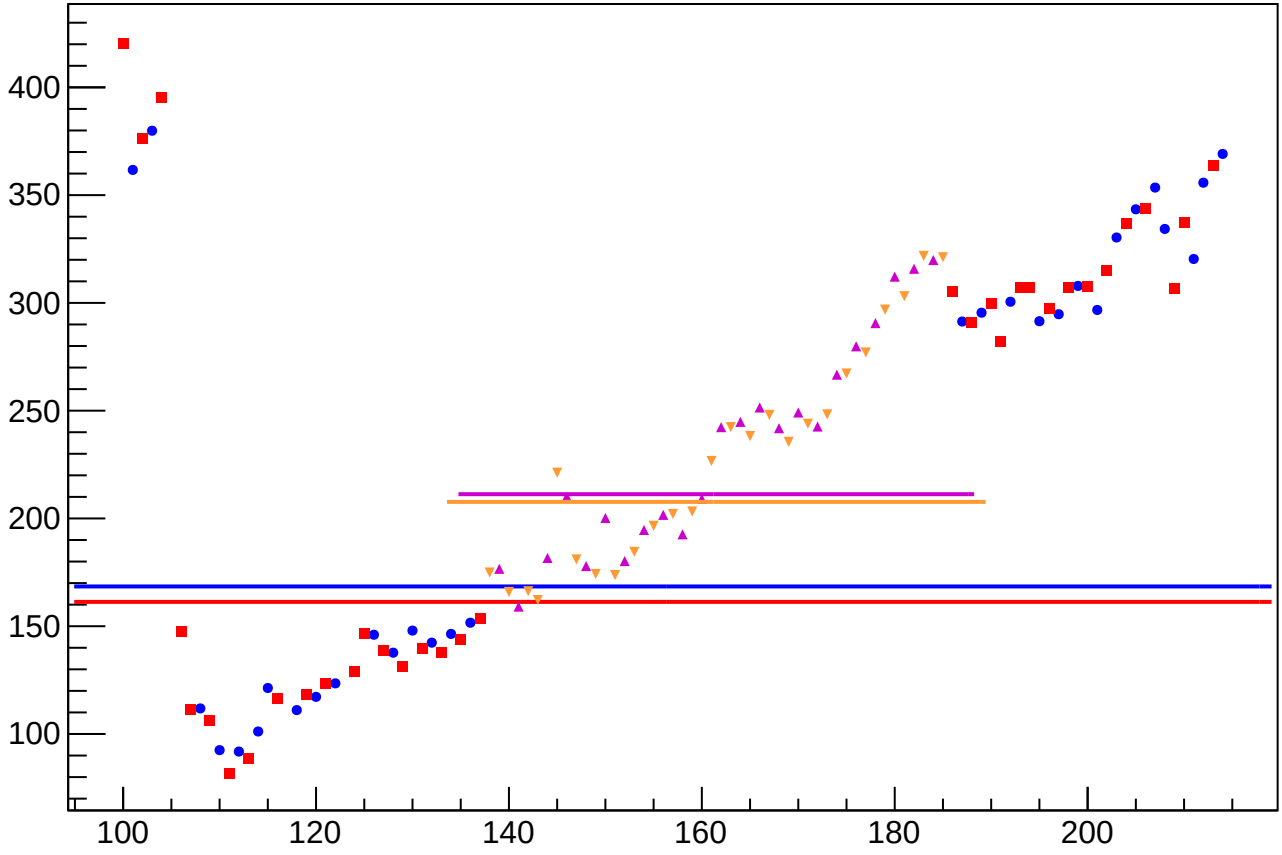
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 151535.137+/-0.033 χ^2/NDF: 32071722247

All: 150945.706+/-0.023 χ^2/NDF: 64638408

- sign 150368.046+/-0.033 χ^2/NDF: 325033023678

yield_bpm1i04WS_rms vs Slug



Right In: 168.447+/-0.032 χ^2/NDF: 7847953.4/29

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

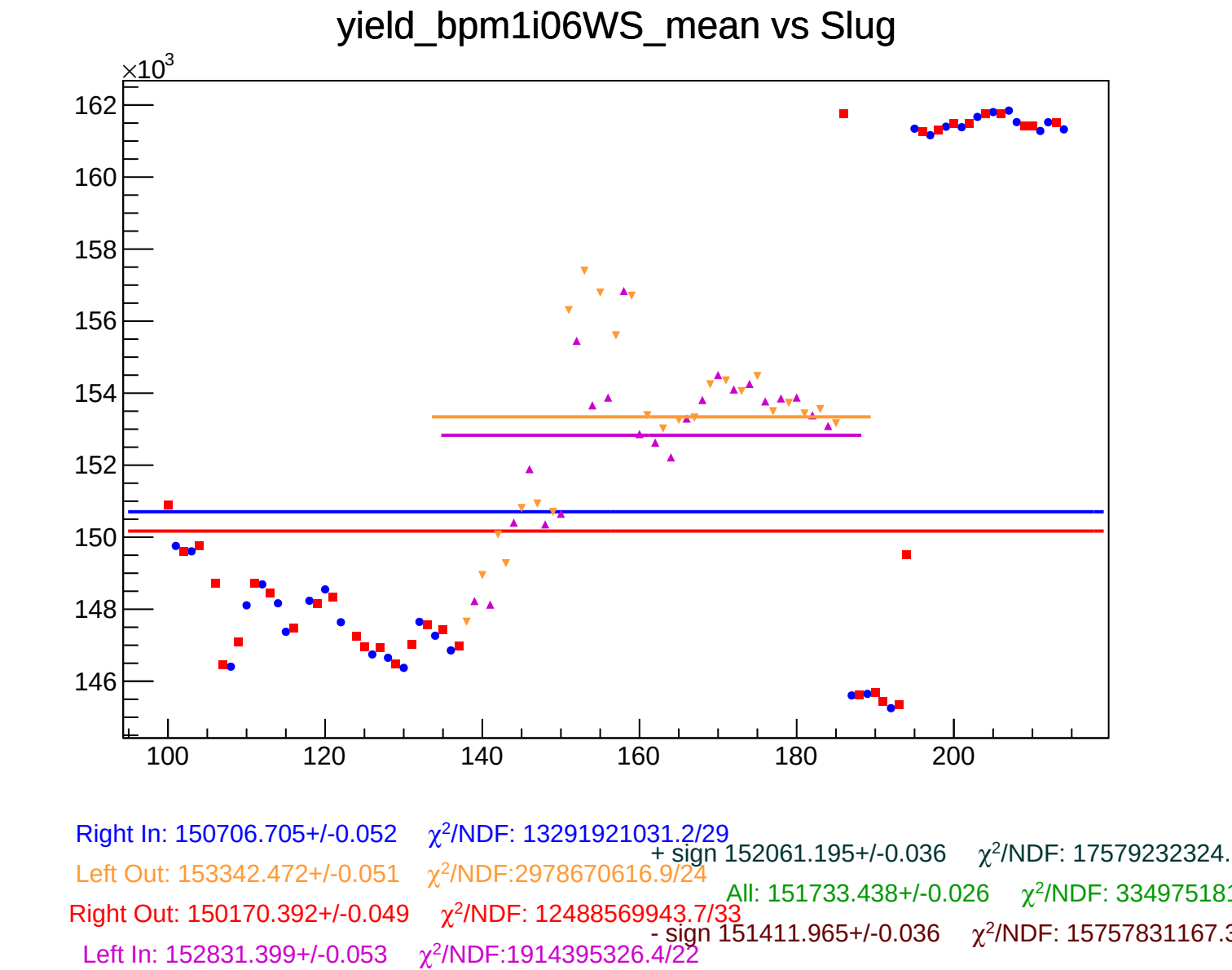
Right Out: 161.289+/-0.030 χ^2/NDF: 8550350.6/33

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

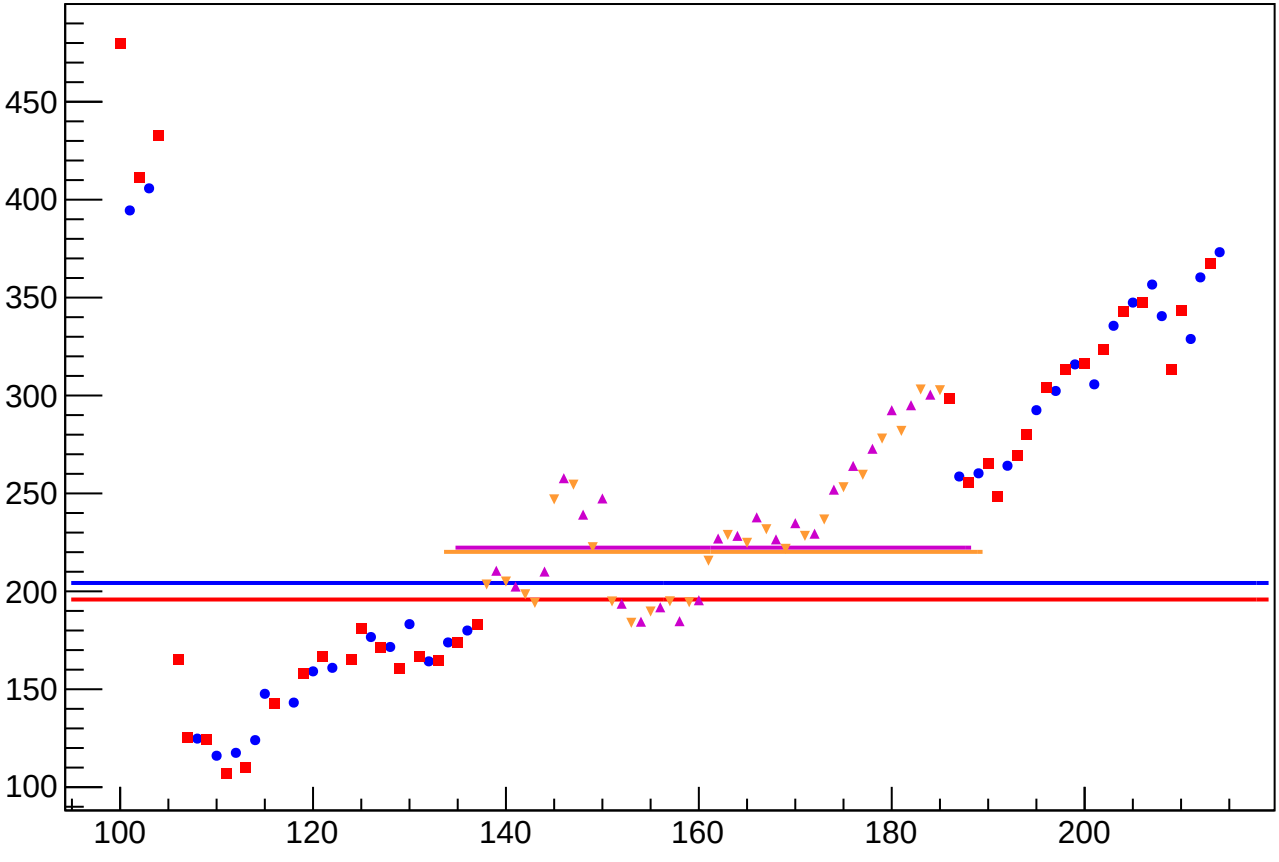
+ sign 186.606+/-0.023 χ^2/NDF: 10054152.6/54

All: 184.300+/-0.016 χ^2/NDF: 21069553.8/11

- sign 182.040+/-0.023 χ^2/NDF: 10996000.6/56


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 150706.705+/-0.052 χ²/NDF: 13291921031.2/29
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 150170.392+/-0.049 χ²/NDF: 12488569943.7/33
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 152061.195+/-0.036 χ²/NDF: 17579232324.
All: 151733.438+/-0.026 χ²/NDF: 33497518
- sign 151411.965+/-0.036 χ²/NDF: 15757831167.3

yield_bpm1i06WS_rms vs Slug



Right In: 204.270+/-0.037 χ^2/NDF: 5357979.5/29

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 195.824+/-0.035 χ^2/NDF: 5800736.4/33

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 212.434+/-0.026 χ^2/NDF: 6138641.6/54

All: 210.286+/-0.018 χ^2/NDF: 12919097.3/11

- sign 208.179+/-0.026 χ^2/NDF: 6766676.0/56

Right In: 156558.771+/-0.046 χ^2/NDF: 43860919757.4/29

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156291.720+/-0.044 χ^2/NDF: 48284112681.2/33

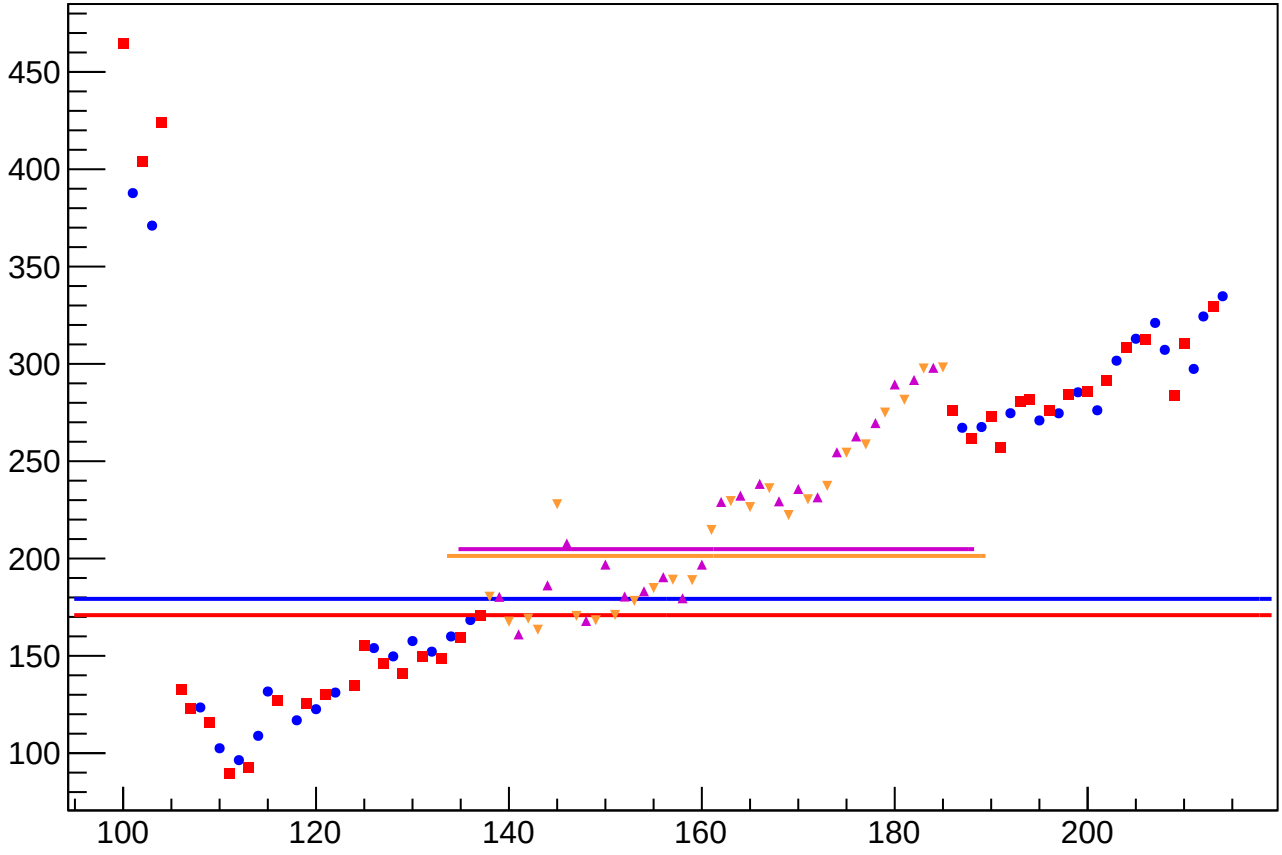
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161941.814+/-0.033 χ^2/NDF: 13045027471

All: 161548.218+/-0.023 χ^2/NDF: 2619332

- sign 161162.844+/-0.033 χ^2/NDF: 131200575860

yield_bpm2i01WS_rms vs Slug



Right In: 179.270+/-0.033 χ^2/NDF: 6105850.4/29

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

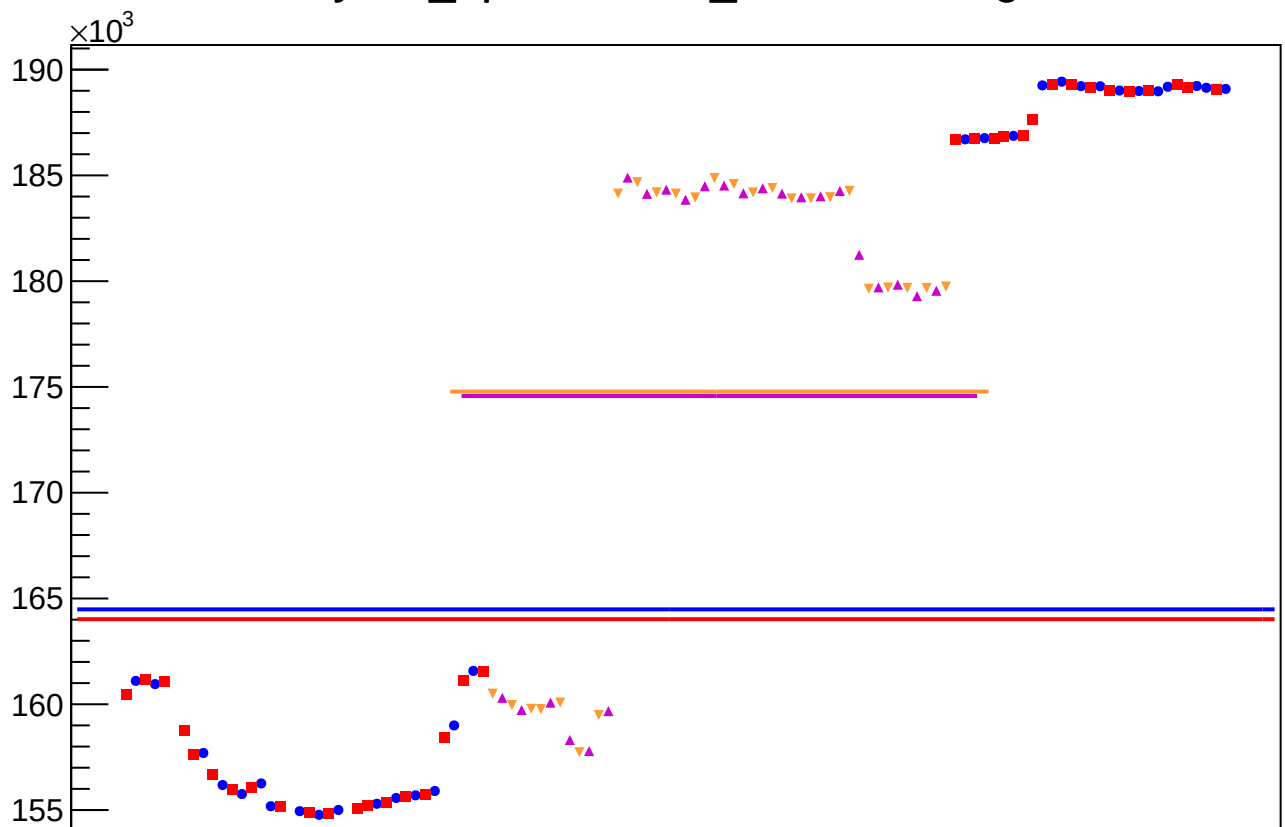
Right Out: 170.902+/-0.031 χ^2/NDF: 6816309.7/33

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 190.238+/-0.023 χ^2/NDF: 7560543.6/54

All: 188.098+/-0.016 χ^2/NDF: 15981384.8/11

- sign 186.003+/-0.023 χ^2/NDF: 8404154.8/56



Right In: 164485.713+/-0.049 χ^2/NDF: 81432374278.0/29

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164019.849+/-0.046 χ^2/NDF: 86719899204.8/33

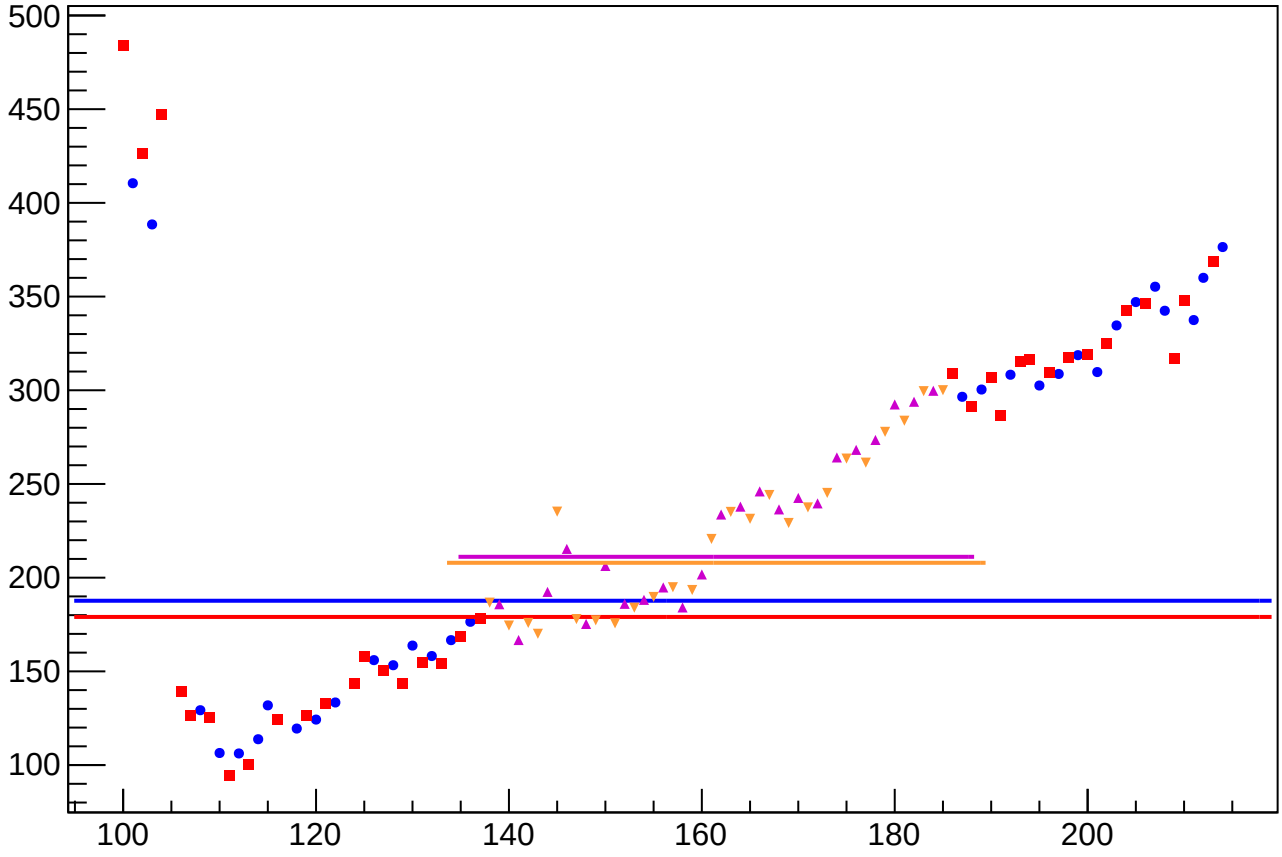
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 169744.931+/-0.034 χ^2/NDF: 161874419622

All: 169302.067+/-0.024 χ^2/NDF: 32742375

- sign 168867.745+/-0.034 χ^2/NDF: 165222098198

yield_bpm2i02WS_rms vs Slug



Right In: 187.685+/-0.035 χ^2/NDF: 6834665.0/29

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 179.044+/-0.033 χ^2/NDF: 7541424.3/33

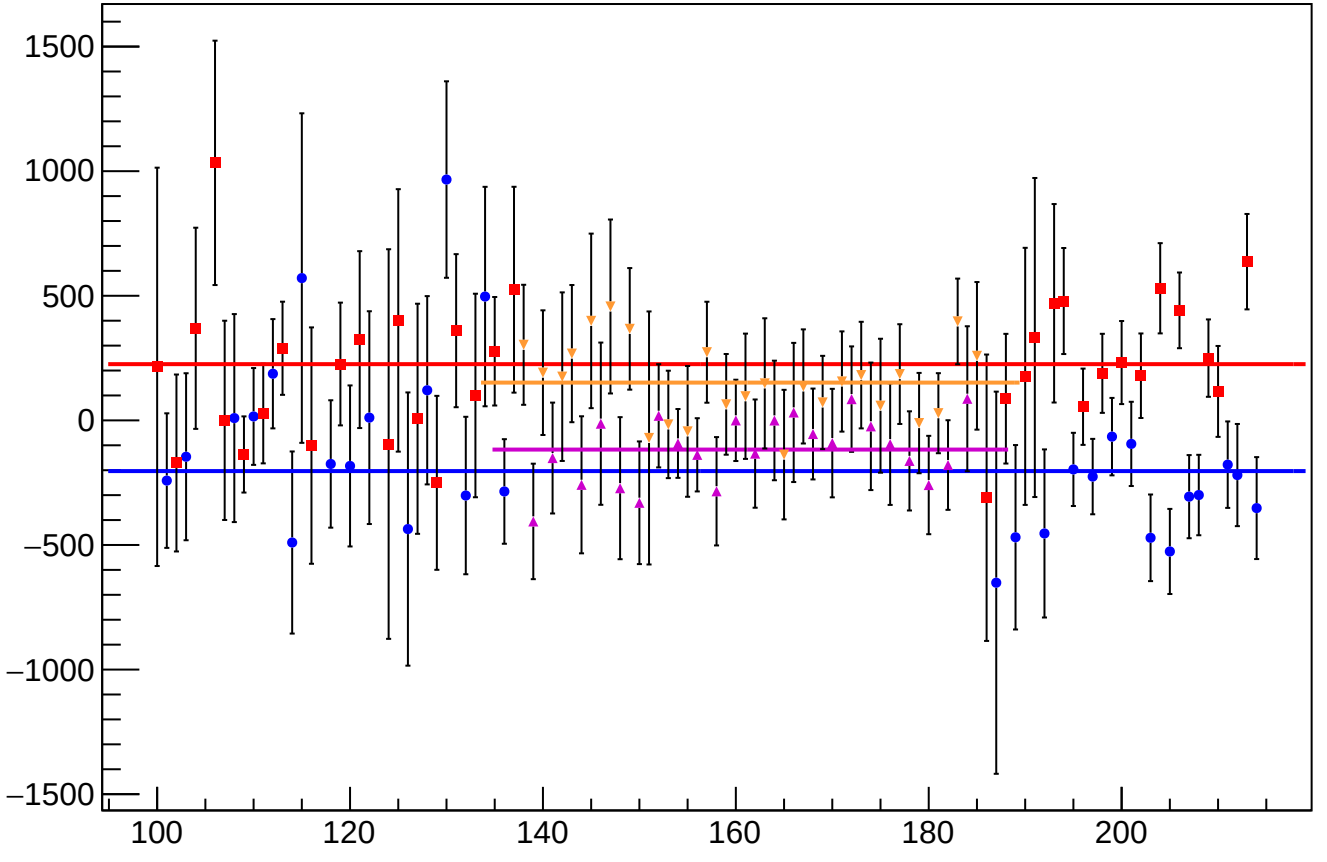
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 198.032+/-0.024 χ^2/NDF: 8139505.7/54

All: 195.890+/-0.017 χ^2/NDF: 17129291.3/11

- sign 193.789+/-0.024 χ^2/NDF: 8974475.3/56

asym_bcm_target_mean vs Slug



Right In: -203.490+/-41.618 χ^2/NDF: 29.4/29

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 225.653+/-41.124 χ^2/NDF: 29.1/33

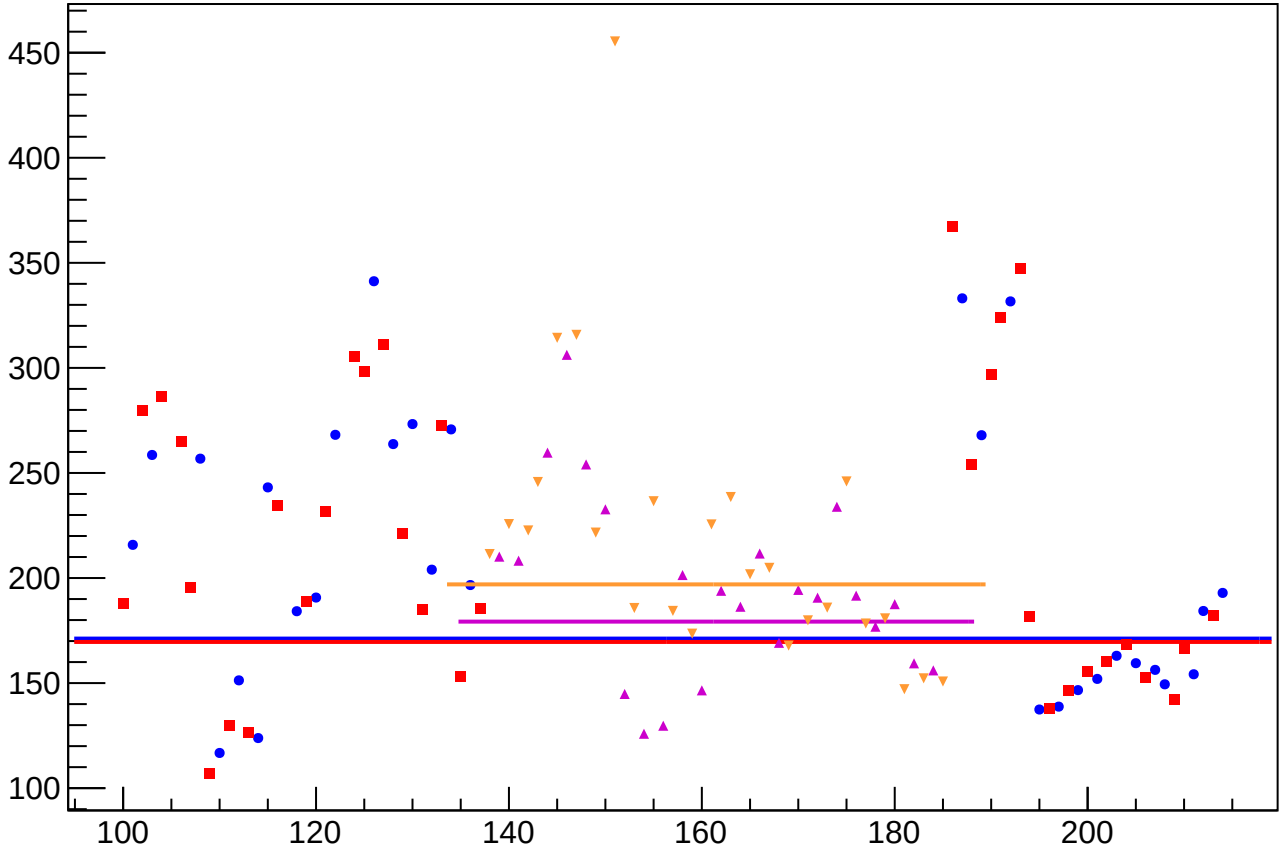
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -45.254+/-30.987 χ^2/NDF: 71.4/54

All: 11.681+/-21.544 χ^2/NDF: 147.1/111

- sign 64.951+/-29.973 χ^2/NDF: 69.2/56

asym_bcm_target_rms vs Slug



Right In: 171.179+/-0.029 χ^2/NDF: 2288701.2/29

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.585+/-0.029 χ^2/NDF: 2972086.8/33

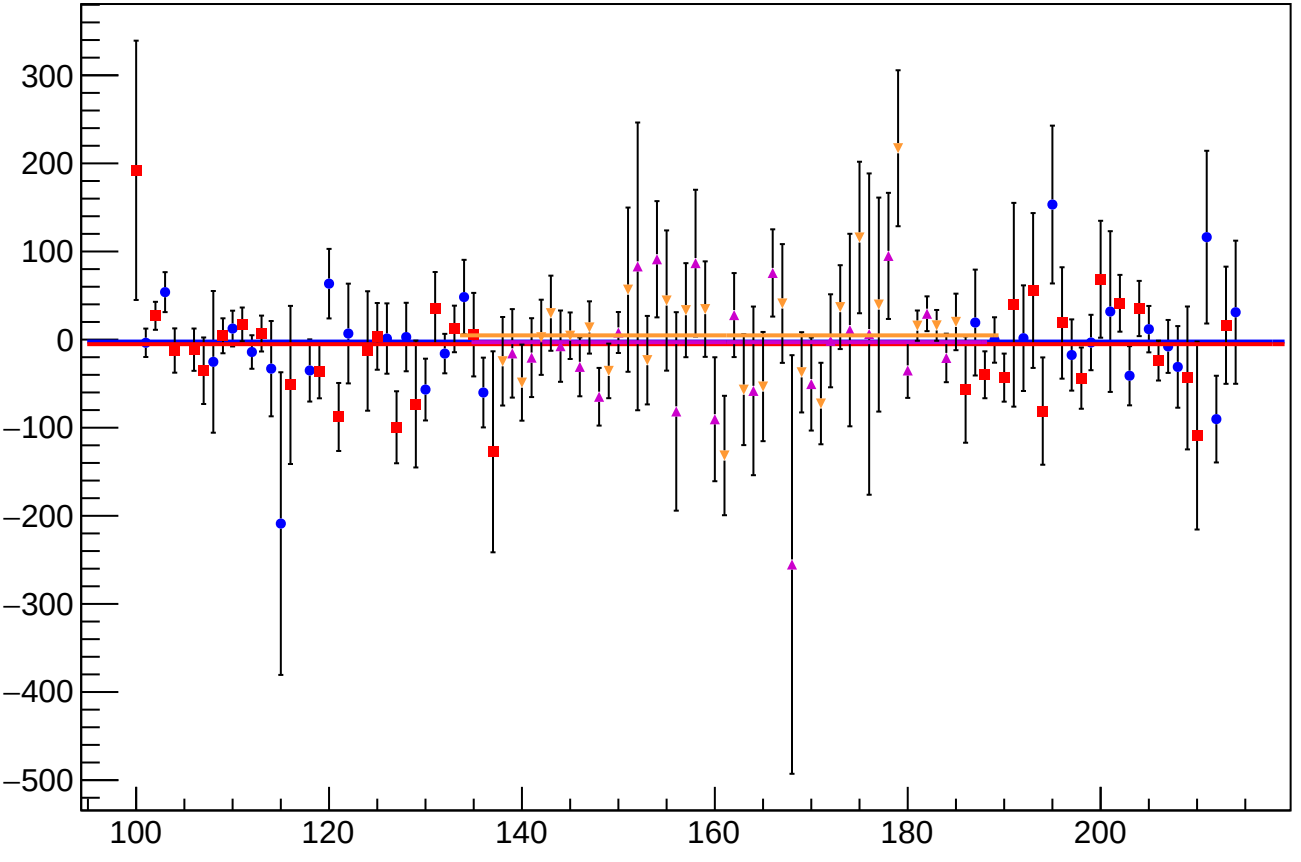
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 182.674+/-0.022 χ^2/NDF: 4440436.3/54

All: 178.254+/-0.015 χ^2/NDF: 9199173.2/11

- sign 174.118+/-0.021 χ^2/NDF: 4679962.4/56

asym_bcm_an_diff_mean vs Slug



Right In: -2.228+/-6.079 χ^2/NDF: 29.2/29

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -5.202+/-5.675 χ^2/NDF: 38.3/33

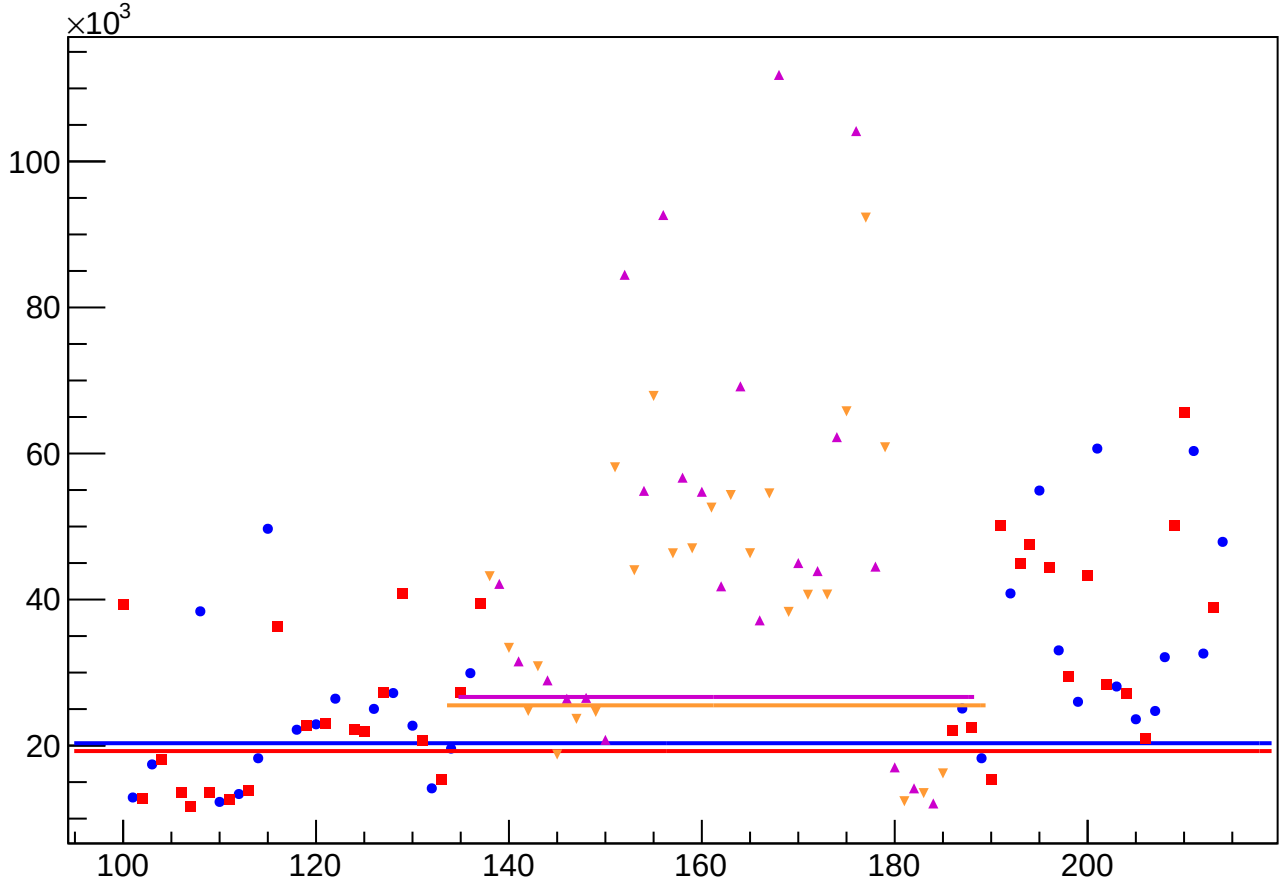
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 0.515+/-4.748 χ^2/NDF: 54.1/54

All: -1.995+/-3.367 χ^2/NDF: 114.5/111

- sign -4.535+/-4.776 χ^2/NDF: 59.8/56

asym_bcm_an_diff_rms vs Slug



Right In: 20326.905+/-4.299 χ^2/NDF: 3818585.5/29

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19250.249+/-4.013 χ^2/NDF: 4377533.1/33

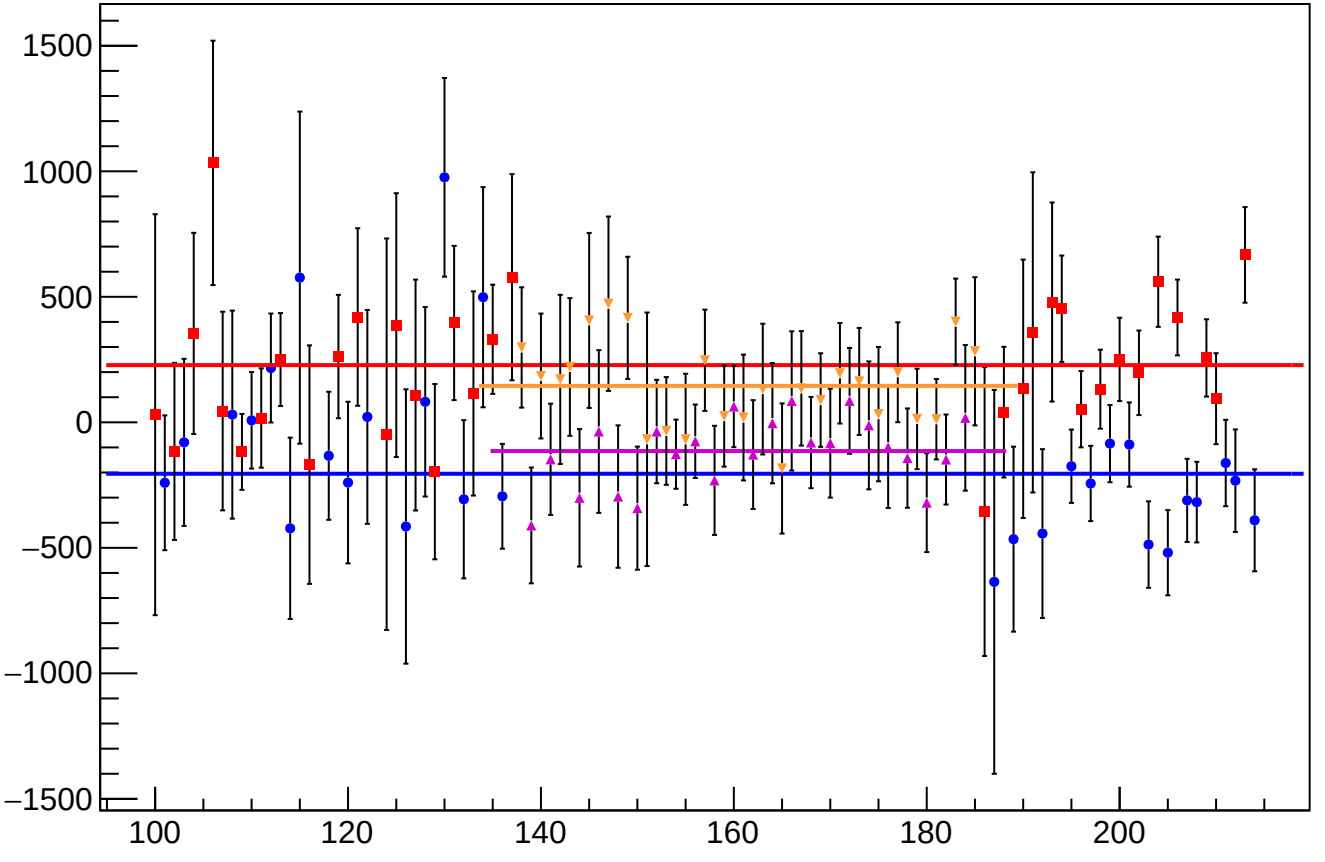
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22349.994+/-3.357 χ^2/NDF: 12128905.5/54

All: 21884.352+/-2.381 χ^2/NDF: 23423574.9/

- sign 21413.144+/-3.377 χ^2/NDF: 11255961.3/56

asym_bcm_an_ds_mean vs Slug



Right In: -204.892+/-41.346 χ^2/NDF: 30.5/29

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 227.937+/-40.865 χ^2/NDF: 30.3/33

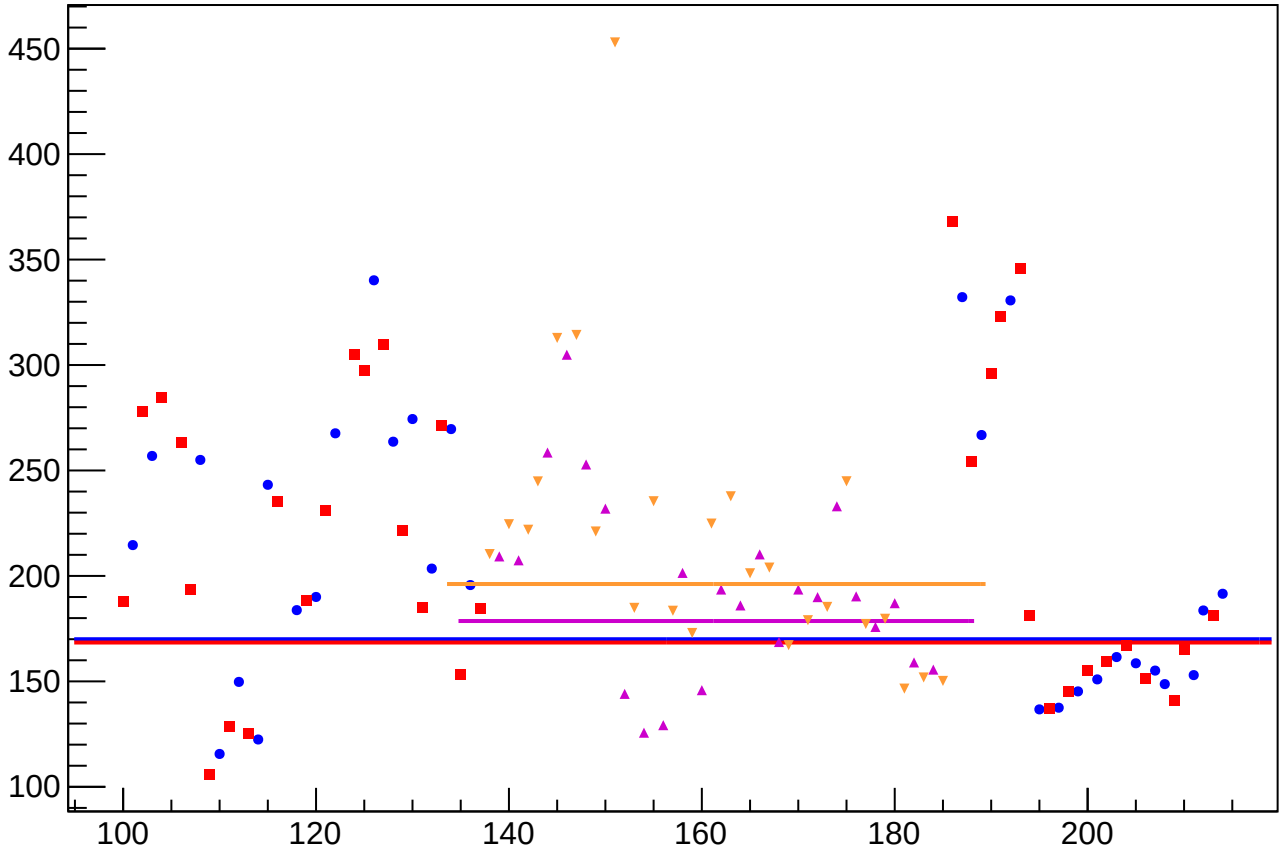
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -49.307+/-30.817 χ^2/NDF: 73.6/54

All: 11.229+/-21.430 χ^2/NDF: 152.6/111

- sign 67.919+/-29.822 χ^2/NDF: 71.5/56

asym_bcm_an_ds_rms vs Slug



Right In: 169.986+/-0.029 χ^2/NDF: 2318796.1/29

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 168.424+/-0.029 χ^2/NDF: 3010804.7/33

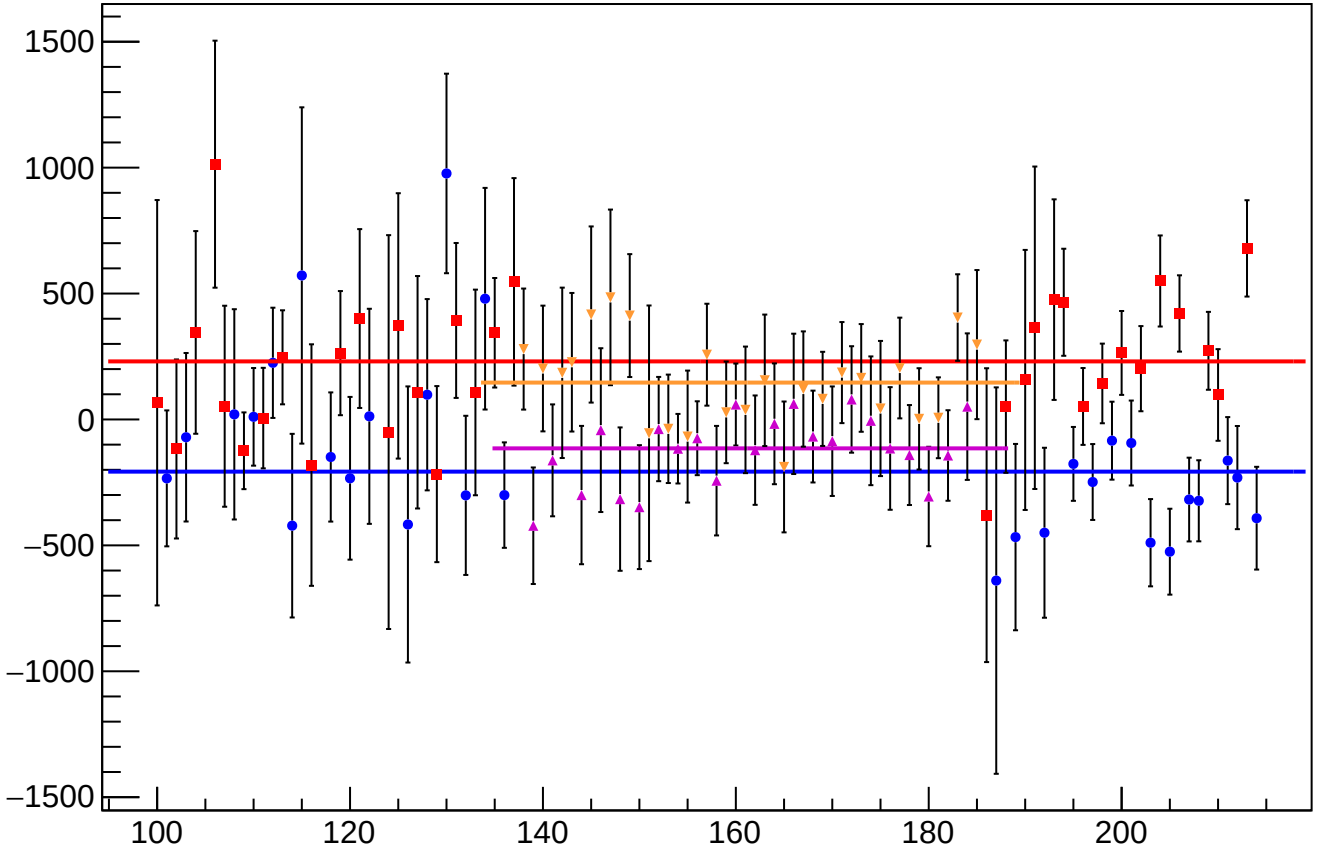
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 181.621+/-0.022 χ^2/NDF: 4482052.8/54

All: 177.267+/-0.015 χ^2/NDF: 9280251.9/11

- sign 173.190+/-0.021 χ^2/NDF: 4720889.4/56

asym_bcm_an_ds3_mean vs Slug



Right In: -207.197+/-41.541 χ^2/NDF: 30.6/29

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 230.552+/-41.071 χ^2/NDF: 30.4/33

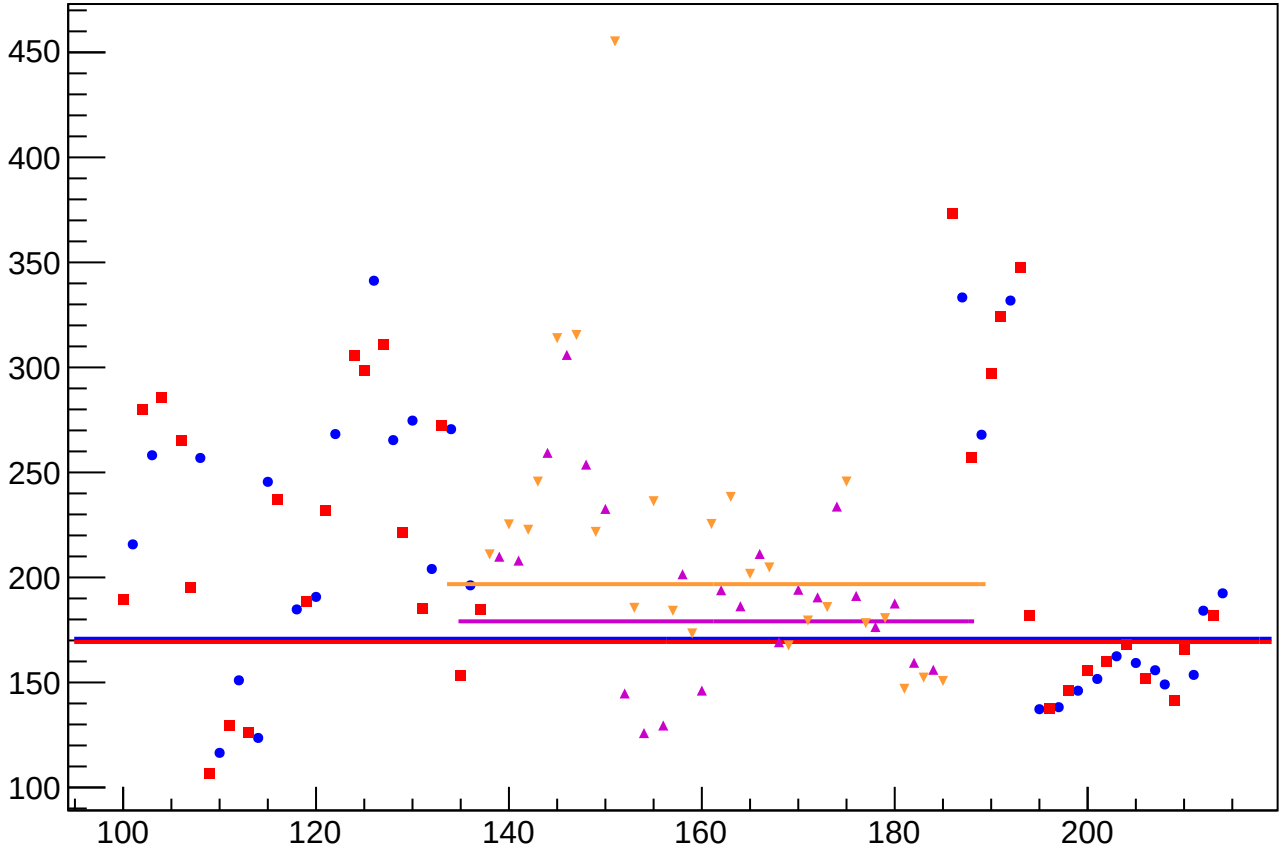
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -49.787+/-30.944 χ^2/NDF: 74.3/54

All: 11.424+/-21.517 χ^2/NDF: 153.9/111

- sign 68.732+/-29.941 χ^2/NDF: 72.0/56

asym_bcm_an_ds3_rms vs Slug



Right In: 170.809+/-0.029 χ^2/NDF: 2310839.7/29

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 169.278+/-0.029 χ^2/NDF: 3008226.0/33

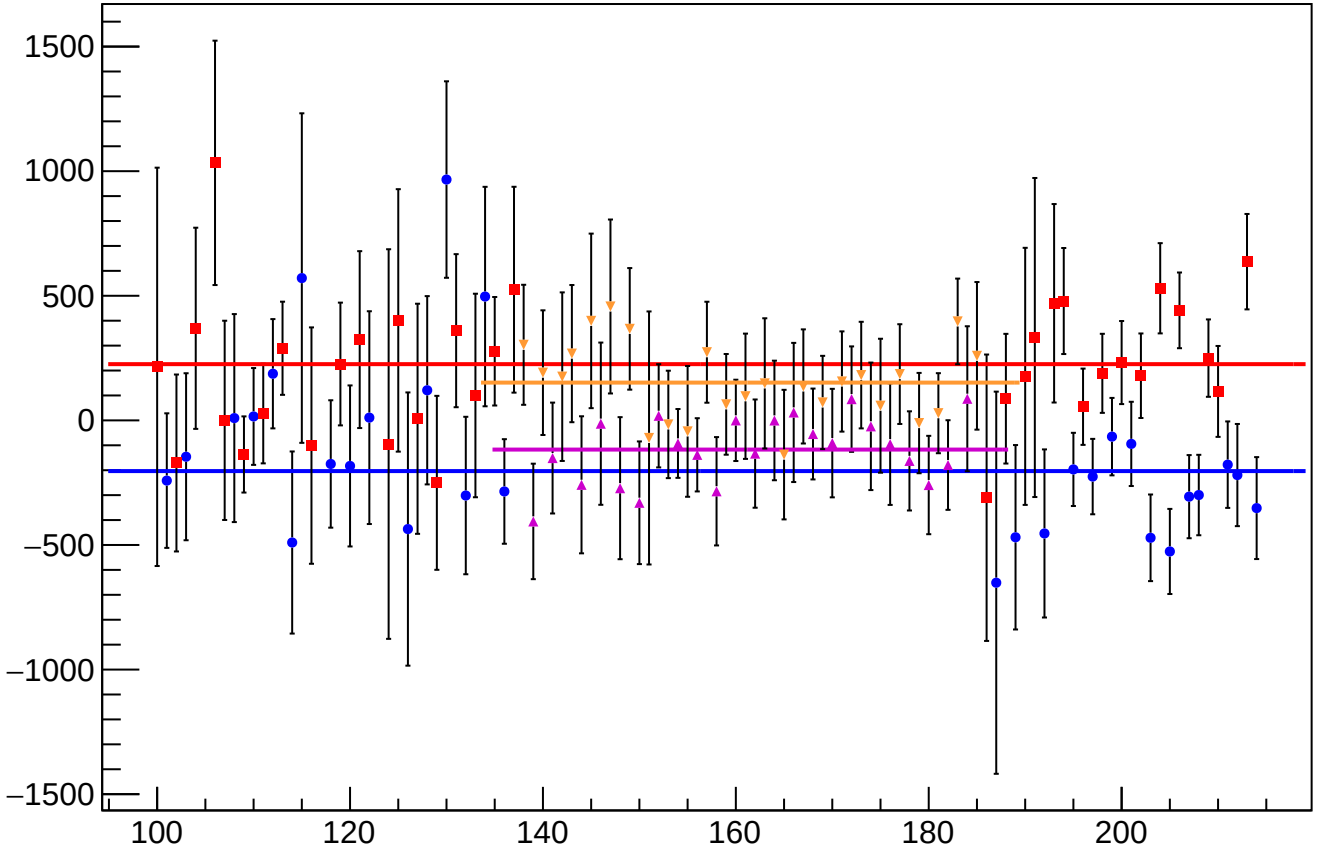
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 182.381+/-0.022 χ^2/NDF: 4468093.9/54

All: 177.991+/-0.015 χ^2/NDF: 9263755.3/11

- sign 173.880+/-0.021 χ^2/NDF: 4717700.3/56

asym_bcm_an_us_mean vs Slug



Right In: -203.490+/-41.618 χ^2/NDF: 29.4/29

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 225.653+/-41.124 χ^2/NDF: 29.1/33

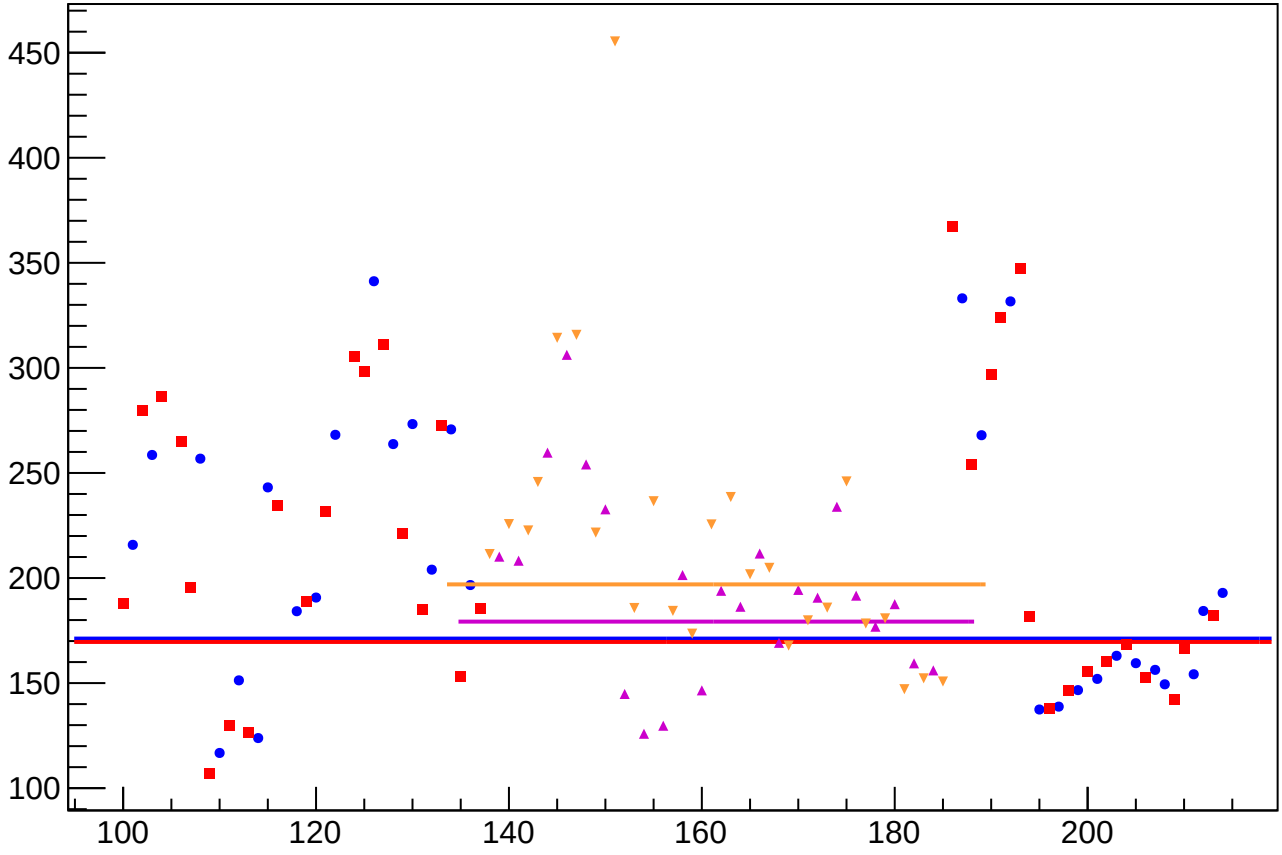
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -45.254+/-30.987 χ^2/NDF: 71.4/54

All: 11.681+/-21.544 χ^2/NDF: 147.1/111

- sign 64.951+/-29.973 χ^2/NDF: 69.2/56

asym_bcm_an_us_rms vs Slug



Right In: 171.179+/-0.029 χ^2/NDF: 2288701.2/29

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.585+/-0.029 χ^2/NDF: 2972086.8/33

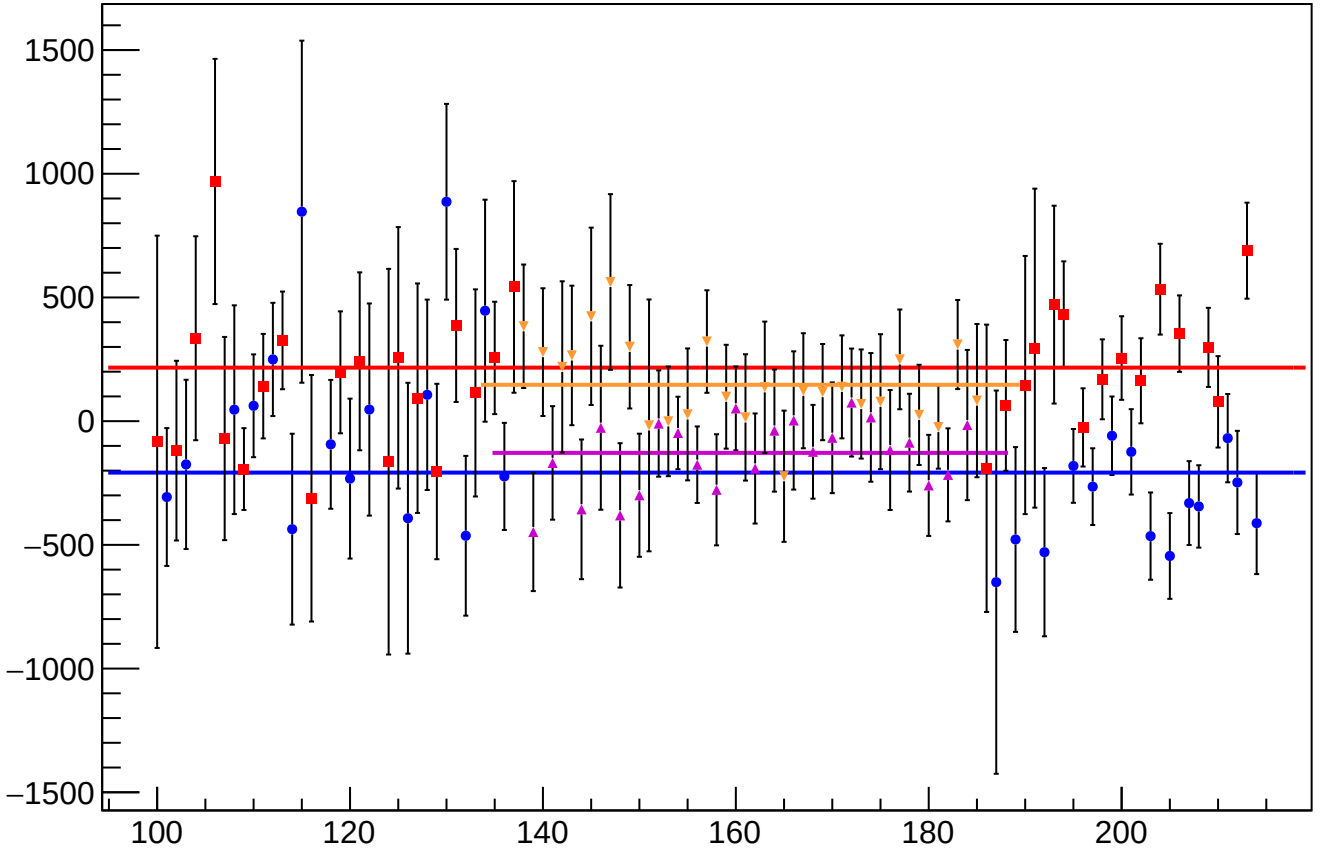
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 182.674+/-0.022 χ^2/NDF: 4440436.3/54

All: 178.254+/-0.015 χ^2/NDF: 9199173.2/11

- sign 174.118+/-0.021 χ^2/NDF: 4679962.4/56

asym_bcm_dg_us_mean vs Slug



Right In: -207.924+/-42.567 χ^2/NDF: 32.4/29

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 216.410+/-42.196 χ^2/NDF: 29.6/33

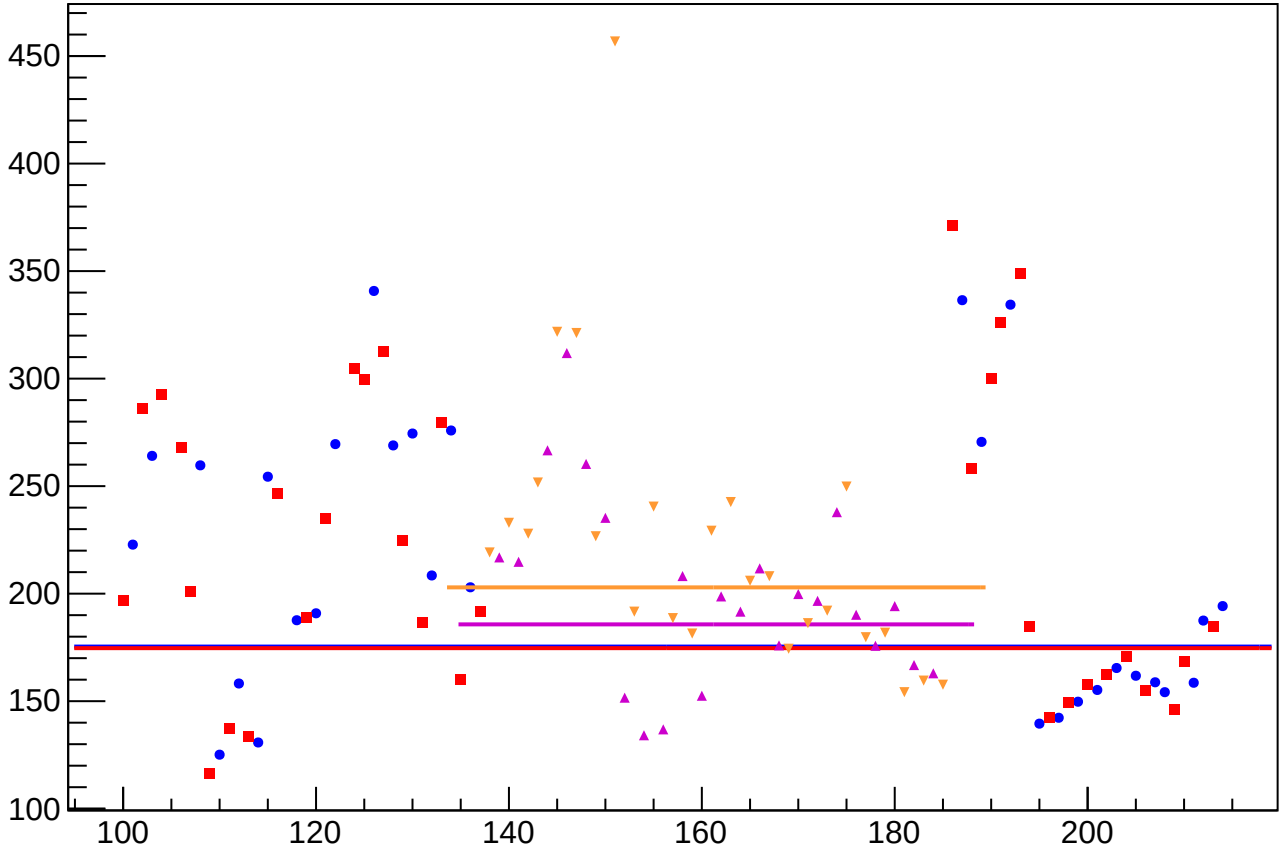
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -50.624+/-31.762 χ^2/NDF: 73.4/54

All: 4.227+/-22.128 χ^2/NDF: 148.4/111

- sign 55.955+/-30.844 χ^2/NDF: 69.2/56

asym_bcm_dg_us_rms vs Slug



Right In: 175.390+/-0.030 χ^2/NDF: 2190053.5/29

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.657+/-0.030 χ^2/NDF: 2764088.8/33

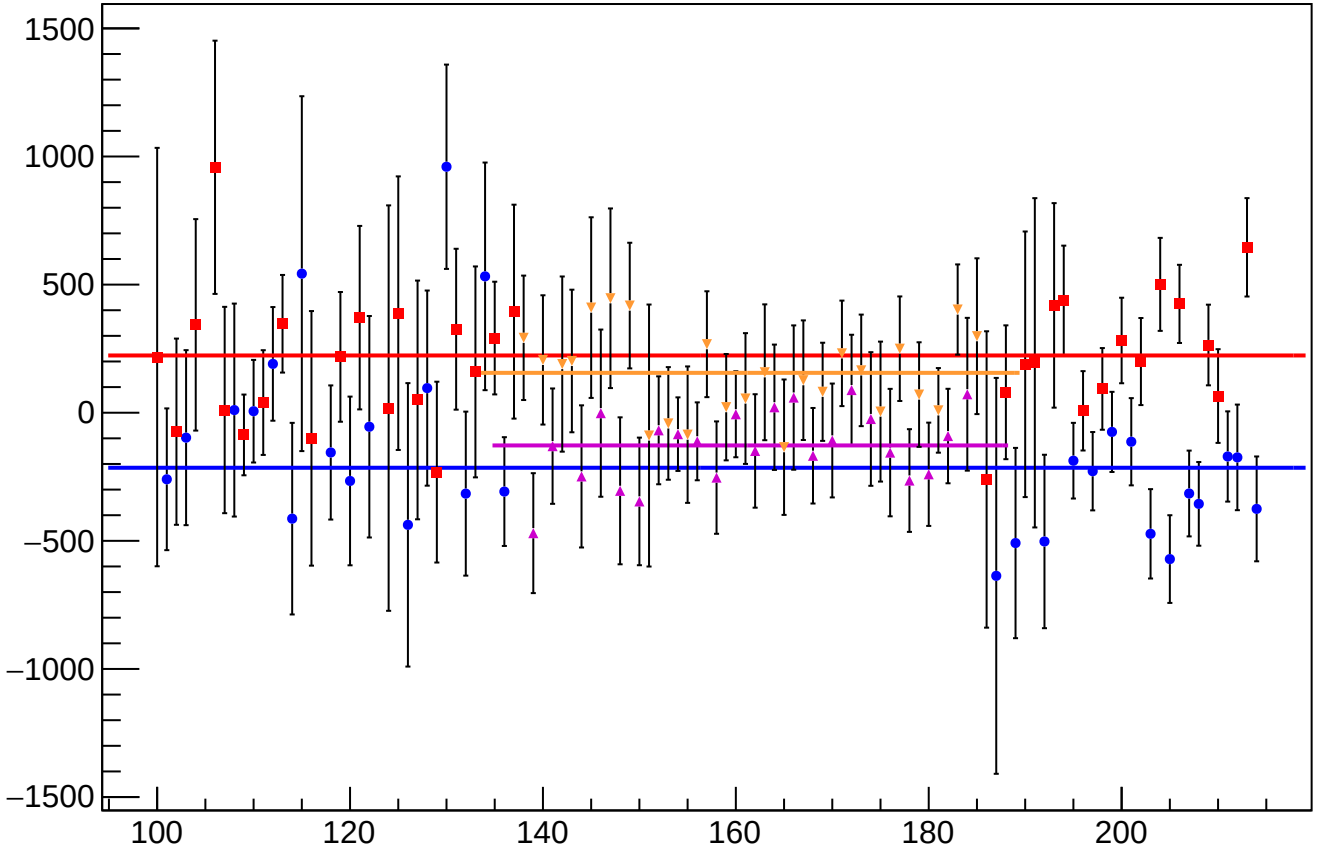
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 187.592+/-0.022 χ^2/NDF: 4260953.7/54

All: 183.585+/-0.016 χ^2/NDF: 8640348.4/11

- sign 179.807+/-0.022 χ^2/NDF: 4317548.8/56

asym_bcm_dg_ds_mean vs Slug



Right In: -214.773+/-42.026 χ^2/NDF: 30.5/29

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 223.474+/-41.559 χ^2/NDF: 26.1/33

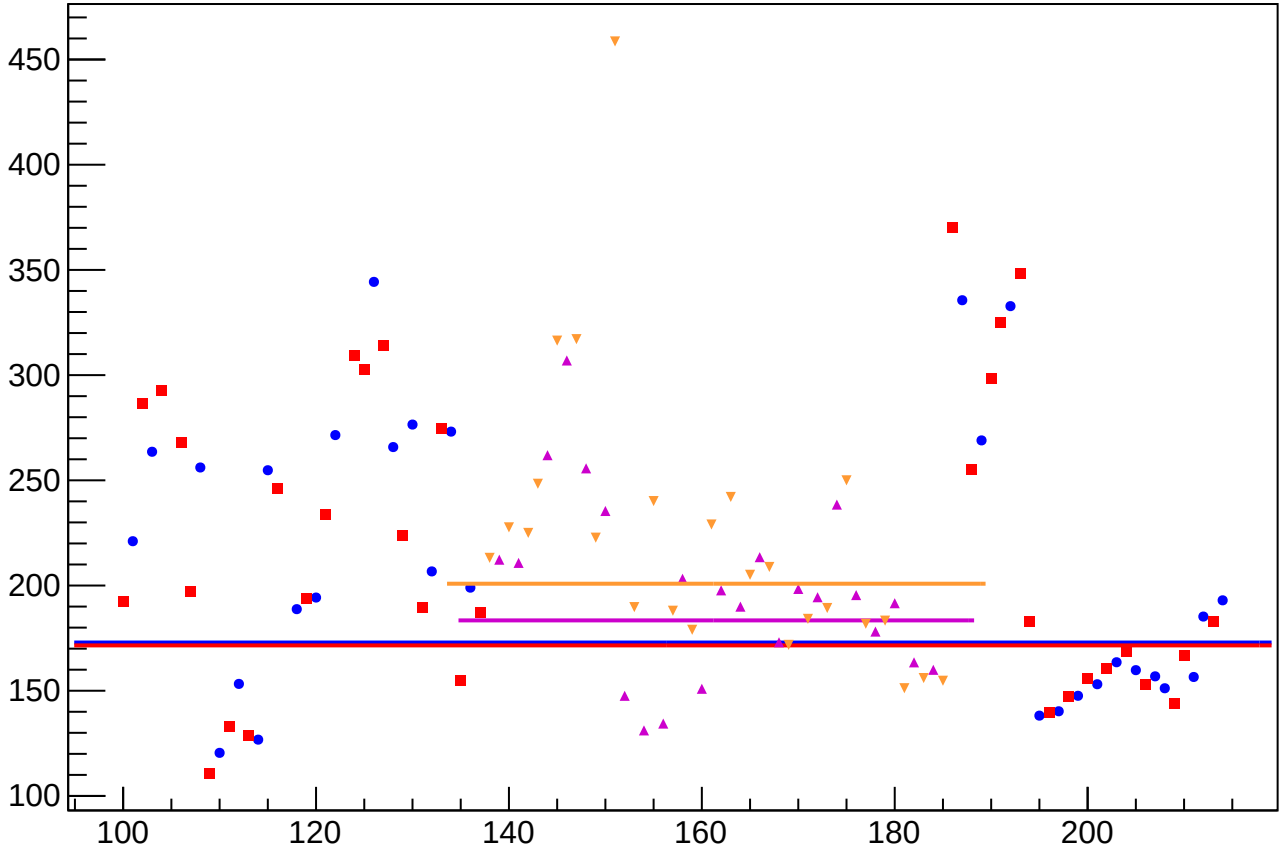
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

\+ sign -51.215+/-31.406 χ^2/NDF: 75.5/54

All: 6.480+/-21.856 χ^2/NDF: 149.1/111

\- sign 60.666+/-30.436 χ^2/NDF: 67.1/56

asym_bcm_dg_ds_rms vs Slug



Right In: 172.913+/-0.030 χ^2/NDF: 2278732.5/29

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.550+/-0.029 χ^2/NDF: 2933619.7/33

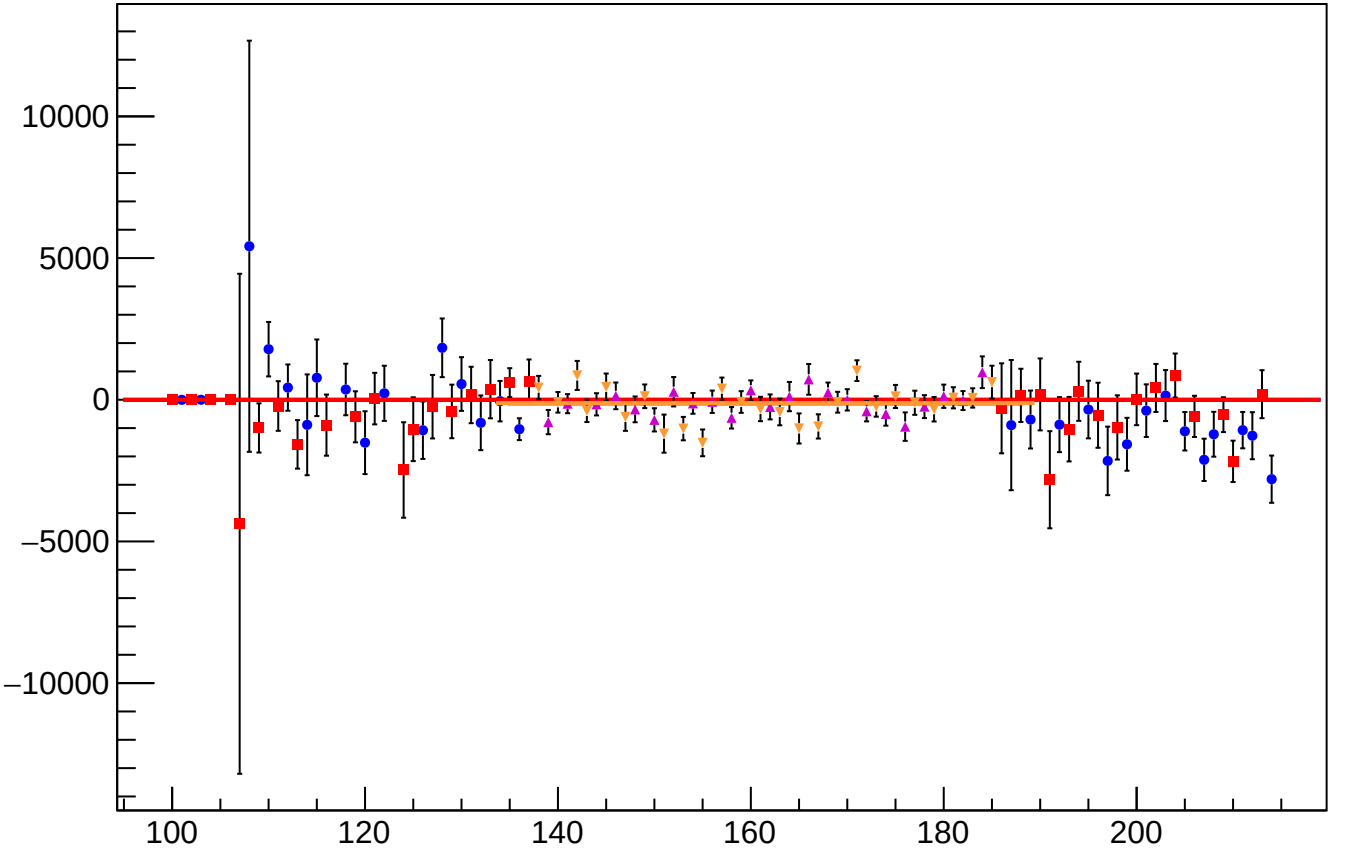
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 185.255+/-0.022 χ^2/NDF: 4396794.5/54

All: 181.029+/-0.015 χ^2/NDF: 9007136.1/111

- sign 177.060+/-0.022 χ^2/NDF: 4540117.8/56

asym_cav4bQ_mean vs Slug



Right In: -1.344+/-2.171 χ^2/NDF: 57.2/29

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.405+/-2.022 χ^2/NDF: 33.3/33

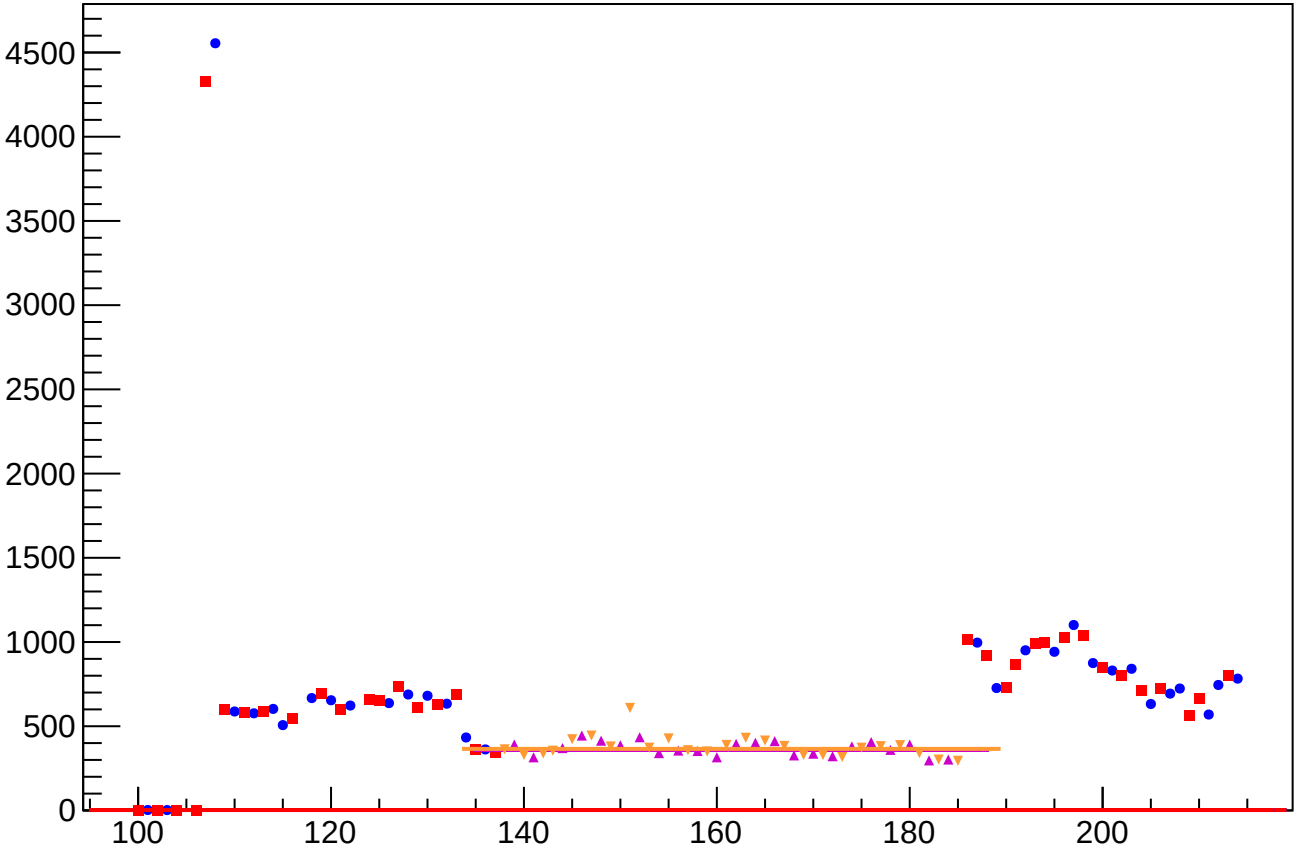
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.421+/-2.170 χ^2/NDF: 105.4/54

All: -1.451+/-1.479 χ^2/NDF: 162.7/111

- sign -1.477+/-2.022 χ^2/NDF: 57.2/56

asym_cav4bQ_rms vs Slug



Right In: 2.542+/-0.002 χ^2/NDF: 33358156.0/29

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.519+/-0.001 χ^2/NDF: 34234295.4/33

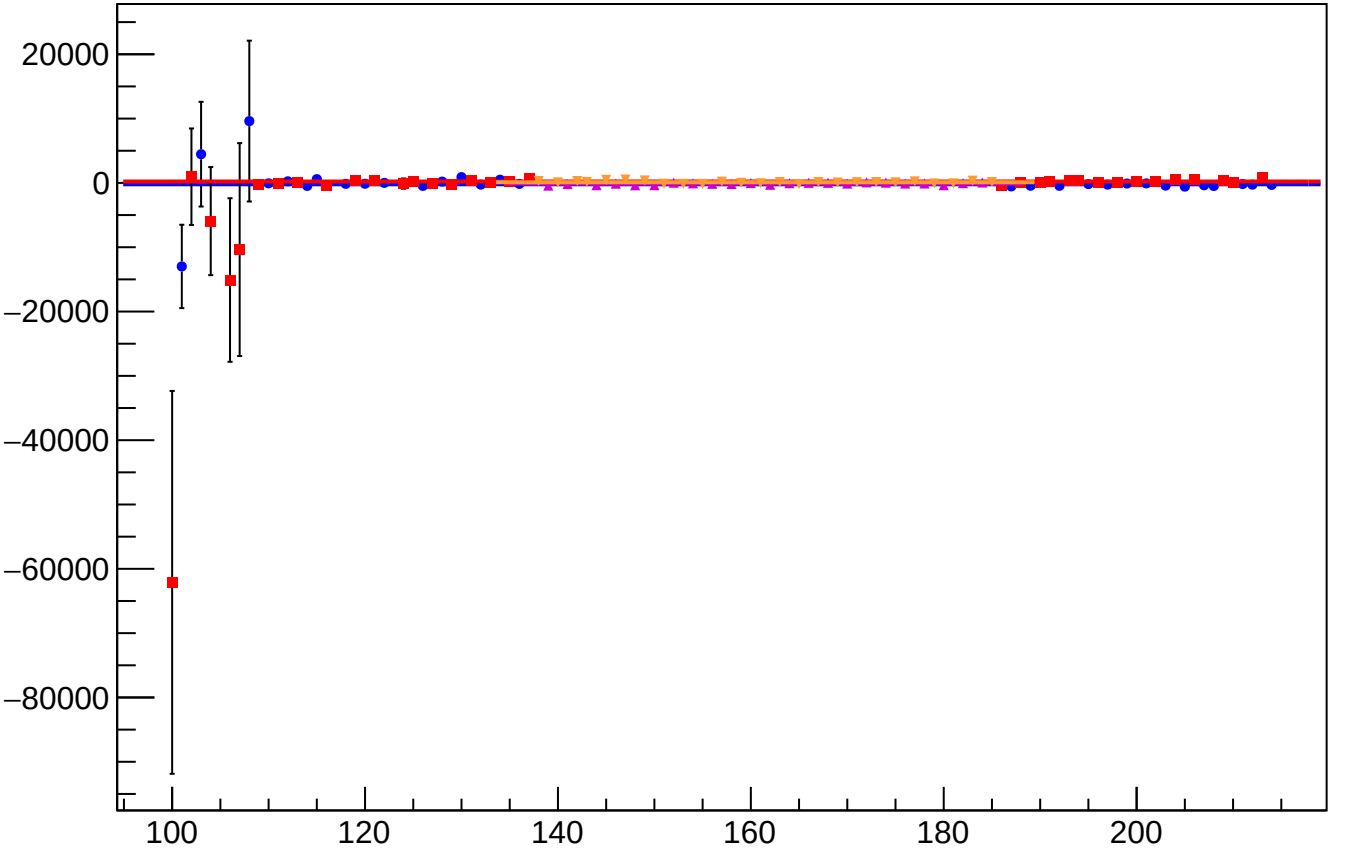
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.783+/-0.002 χ^2/NDF: 71179703.7/54

All: 2.750+/-0.001 χ^2/NDF: 140961761.2/111

- sign 2.721+/-0.001 χ^2/NDF: 69781165.4/56

asym_cav4cQ_mean vs Slug



Right In: -214.824+/-45.672 χ^2/NDF: 33.5/29

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 220.106+/-45.705 χ^2/NDF: 33.3/33

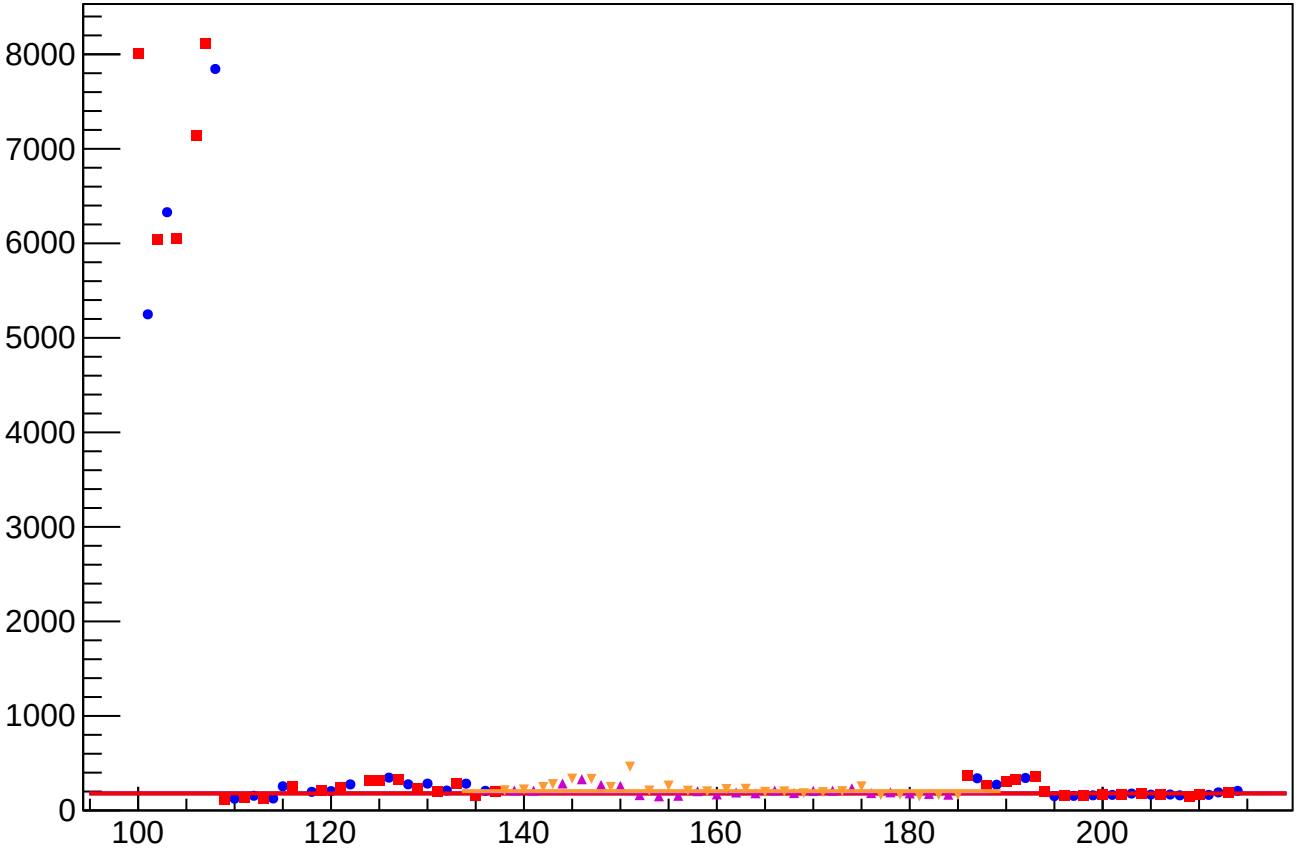
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -66.236+/-33.169 χ^2/NDF: 68.6/54

All: -4.868+/-23.305 χ^2/NDF: 144.8/111

- sign 54.966+/-32.752 χ^2/NDF: 69.4/56

asym_cav4cQ_rms vs Slug



Right In: 180.677+/-0.032 χ^2/NDF: 4924670.0/29

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 180.366+/-0.032 χ^2/NDF: 5606690.0/33

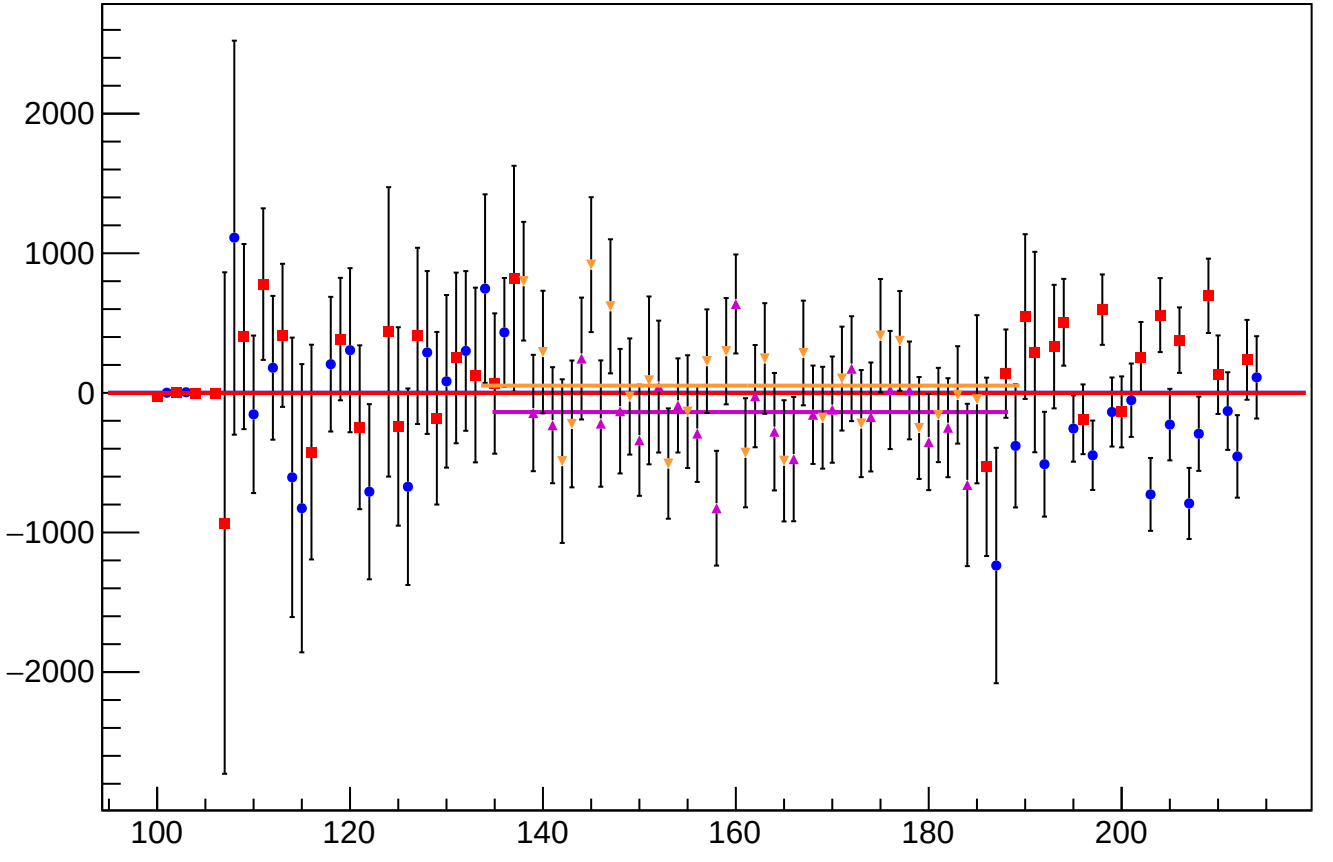
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 191.973+/-0.023 χ^2/NDF: 7158696.5/54

All: 189.429+/-0.016 χ^2/NDF: 14065481.5/11

- sign 186.948+/-0.023 χ^2/NDF: 6883538.1/56

asym_cav4dQ_mean vs Slug



Right In: 1.295+/-1.660 χ^2/NDF: 39.7/29

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.985+/-1.528 χ^2/NDF: 36.5/33

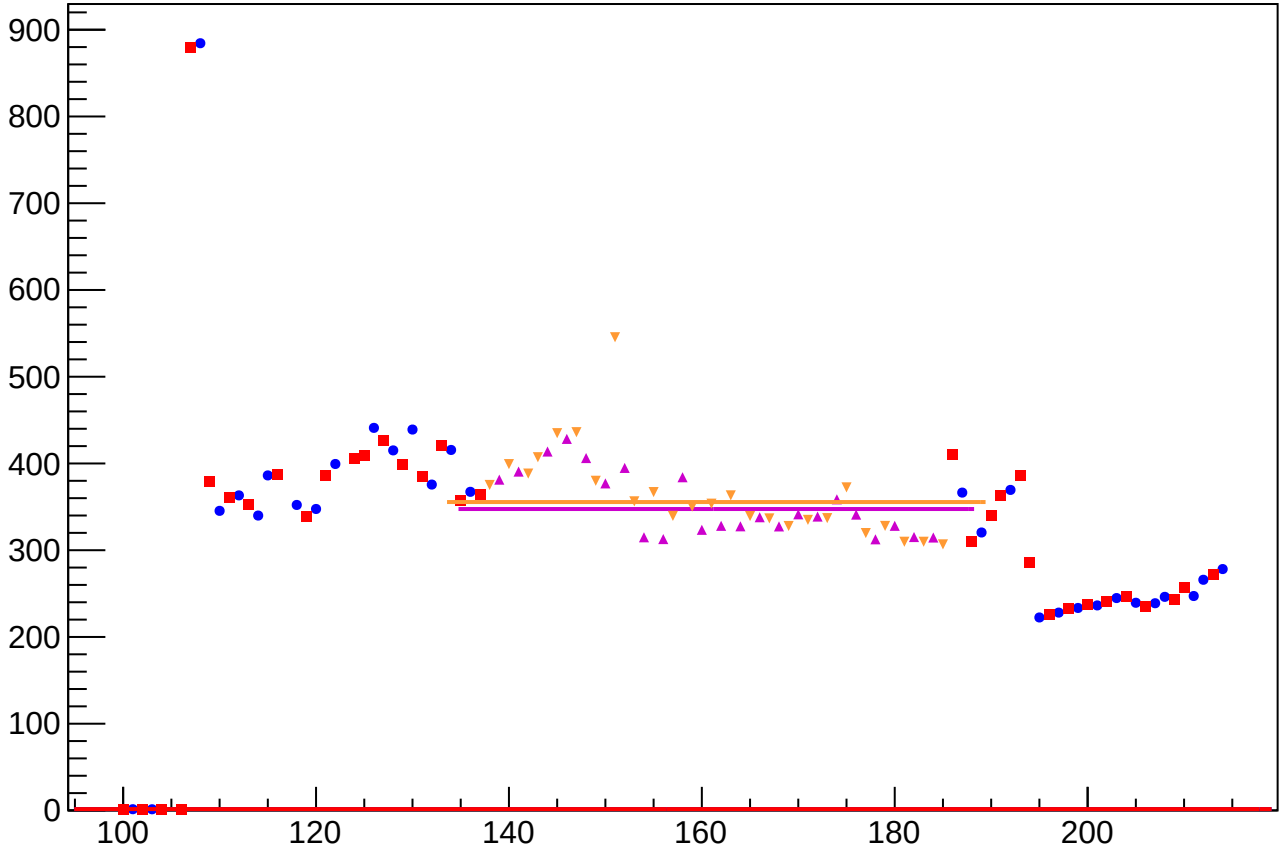
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.316+/-1.660 χ^2/NDF: 59.5/54

All: 0.044+/-1.124 χ^2/NDF: 112.1/111

- sign -1.032+/-1.527 χ^2/NDF: 51.5/56

asym_cav4dQ_rms vs Slug



Right In: 1.589+/-0.001 χ^2/NDF: 33642147.2/29

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.567+/-0.001 χ^2/NDF: 33930597.1/33

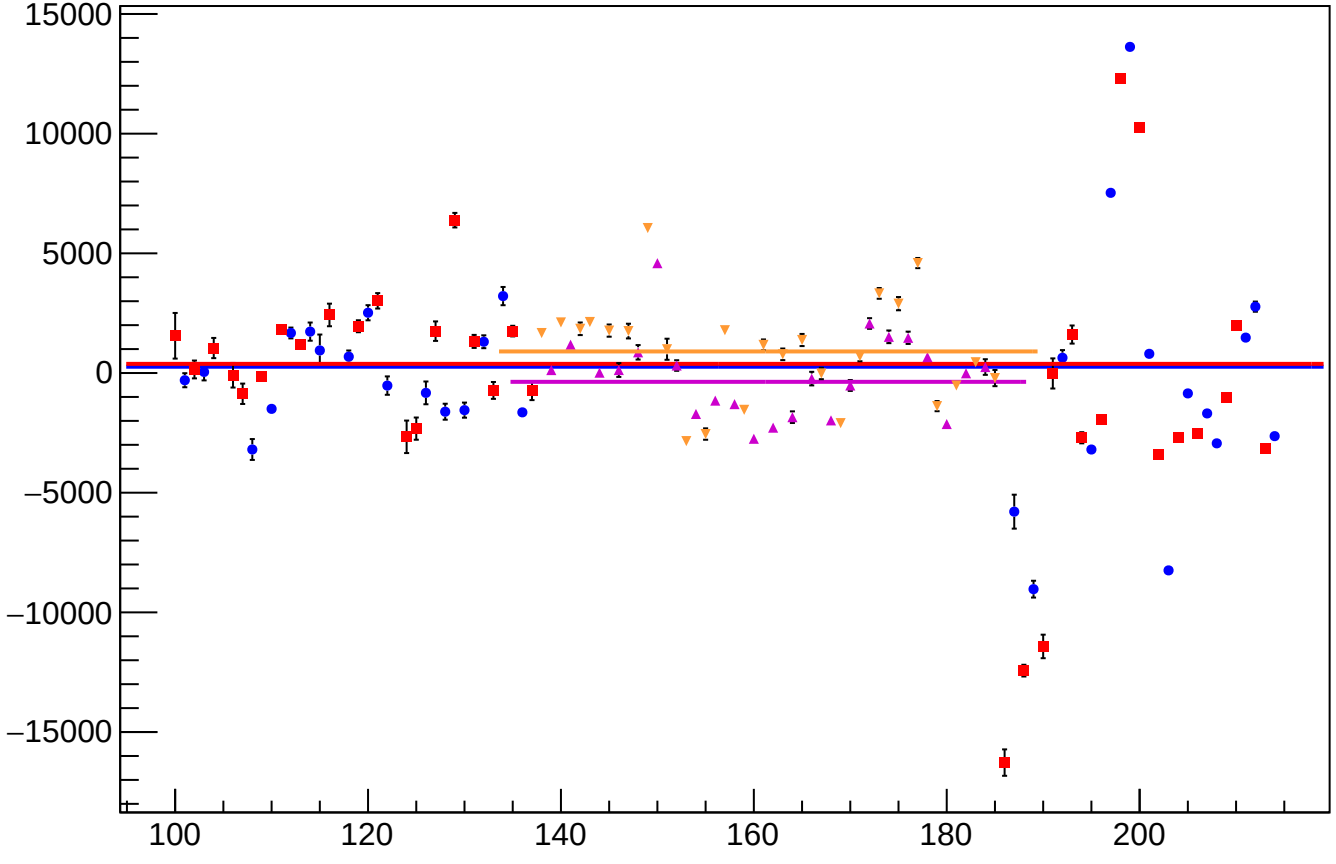
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.736+/-0.001 χ^2/NDF: 71826054.5/54

All: 1.709+/-0.001 χ^2/NDF: 141585149.4/111

- sign 1.687+/-0.001 χ^2/NDF: 69758156.1/56

asym_bcm0l02_mean vs Slug



Right In: 263.365+/-43.775 χ^2/NDF: 12211.7/29

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 382.331+/-43.135 χ^2/NDF: 14211.8/33

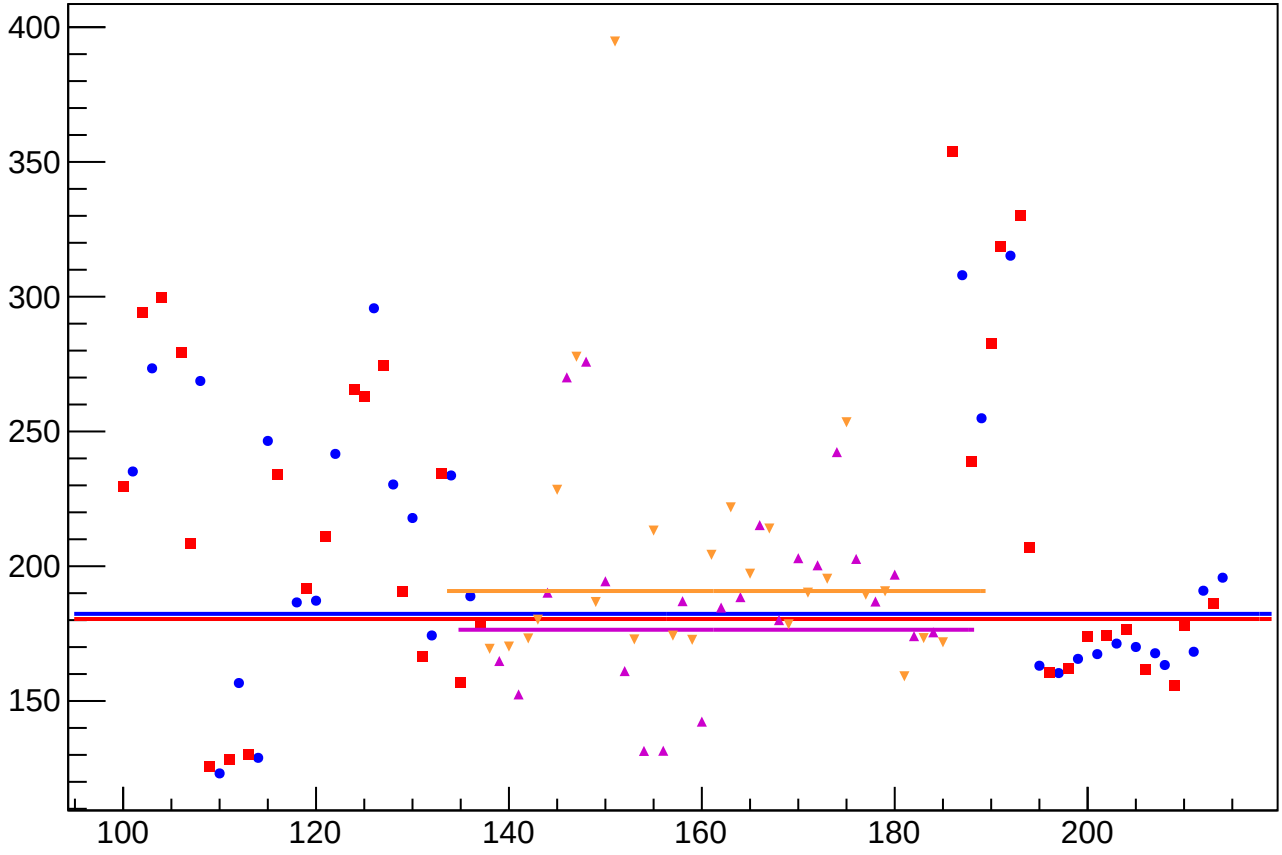
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

\+ sign 577.319+/-31.200 χ^2/NDF: 14727.2/54

All: 282.307+/-21.754 χ^2/NDF: 30858.9/111

\- sign 3.233+/-30.346 χ^2/NDF: 15957.8/56

asym_bcm0l02_rms vs Slug



Right In: 182.328+/-0.031 χ^2/NDF: 1451790.1/29

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 180.416+/-0.031 χ^2/NDF: 2187551.5/33

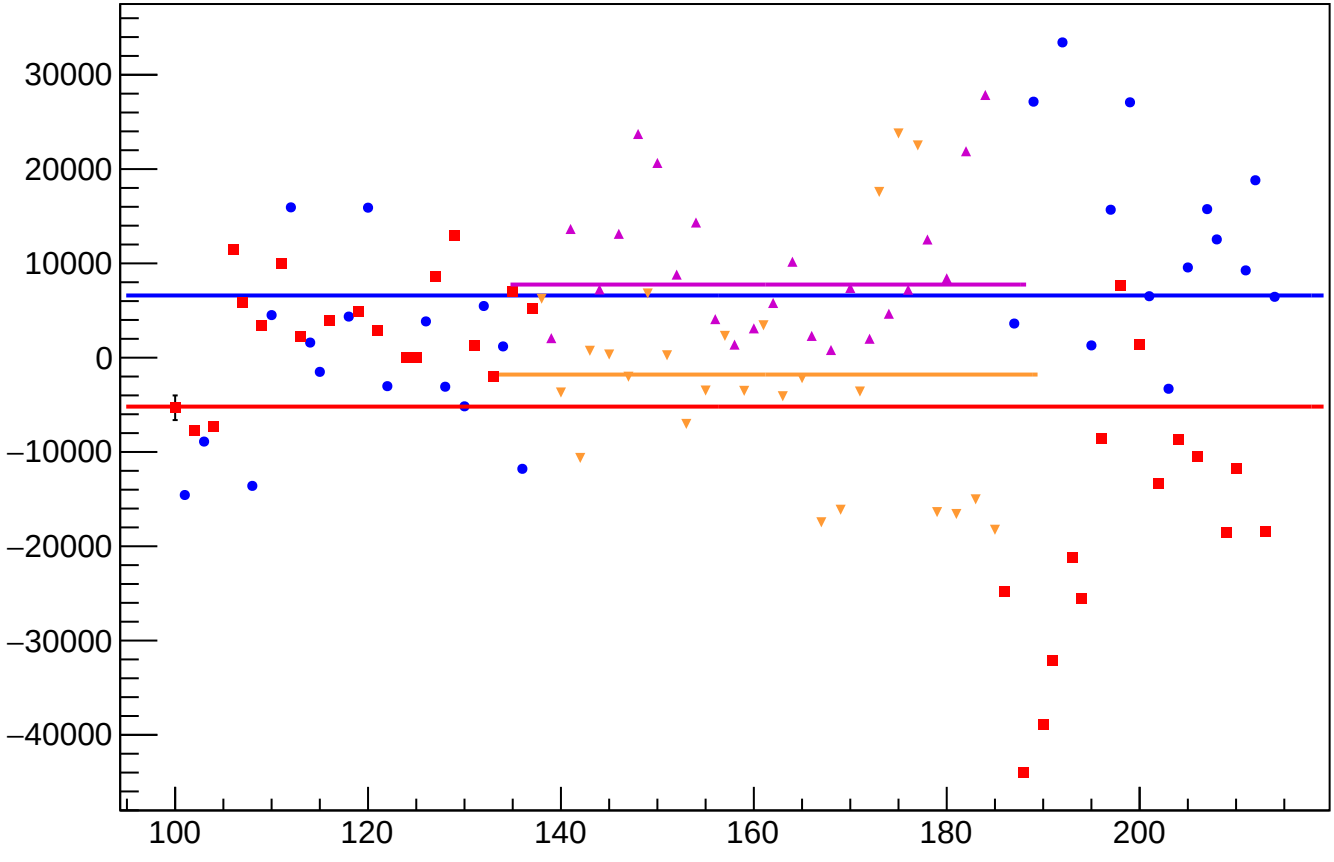
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 186.497+/-0.022 χ^2/NDF: 2508251.8/54

All: 182.338+/-0.015 χ^2/NDF: 6031240.0/111

- sign 178.404+/-0.021 χ^2/NDF: 3453833.5/56

asym_bpm0i02WS_mean vs Slug



Right In: 6596.578+/-39.088 χ^2/NDF: 96694.0/29

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5188.560+/-37.692 χ^2/NDF: 147009.7/33

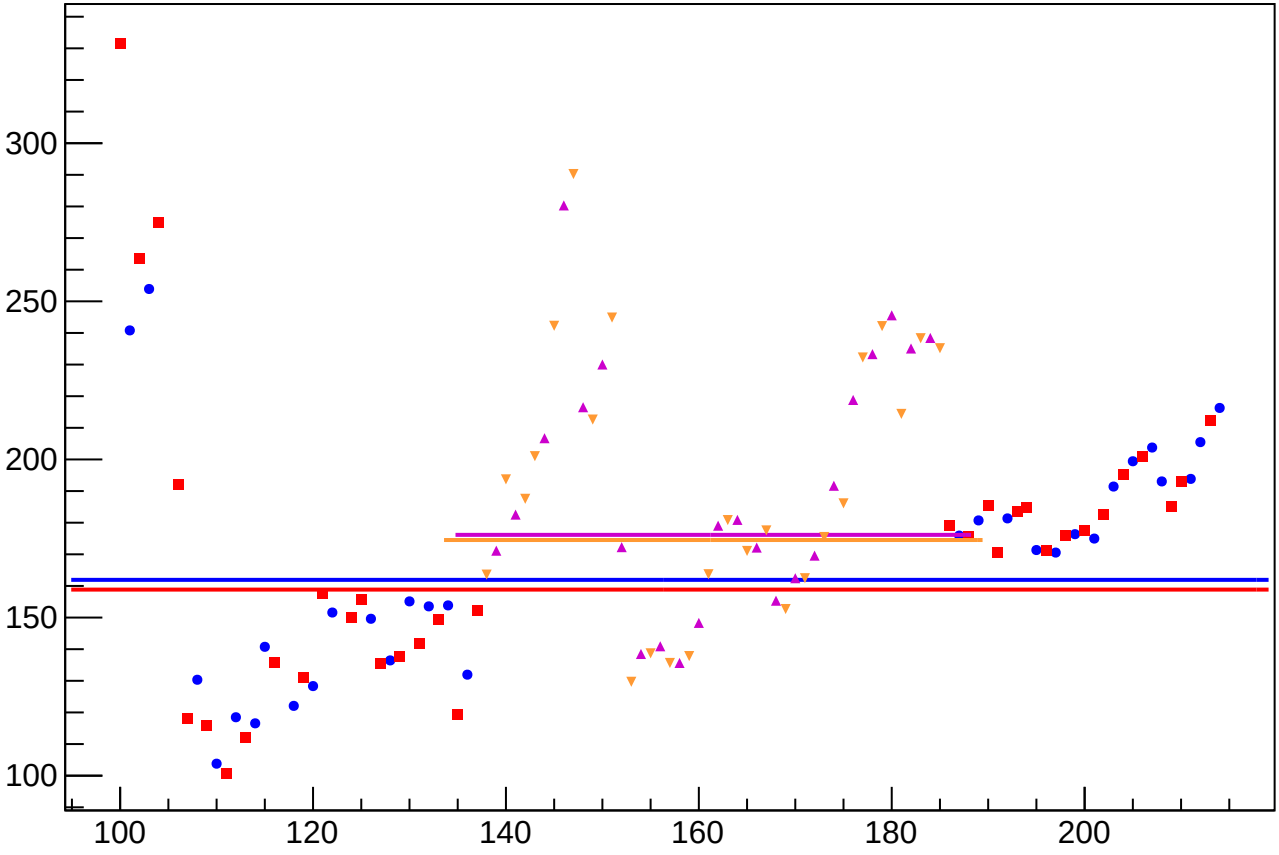
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2594.100+/-28.261 χ^2/NDF: 184410.9/54

All: 1545.046+/-19.969 χ^2/NDF: 409266.9/11

- sign 499.043+/-28.220 χ^2/NDF: 222104.3/56

asym_bpm0i02WS_rms vs Slug



Right In: 161.926+/-0.028 χ^2/NDF: 1540126.4/29

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF: 1829890.9/33

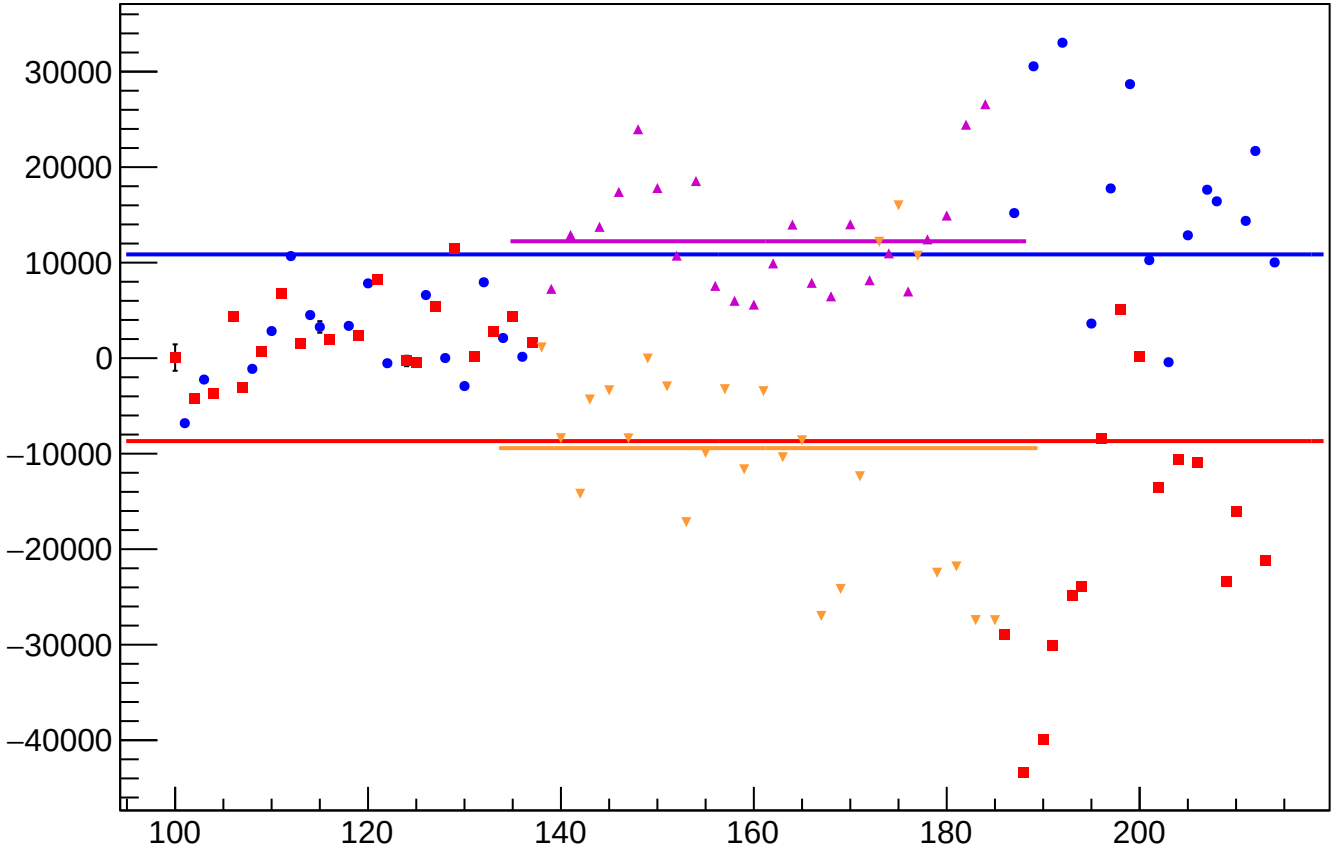
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 167.936+/-0.020 χ^2/NDF: 3298690.5/54

All: 167.192+/-0.014 χ^2/NDF: 6683804.2/11

- sign 166.450+/-0.020 χ^2/NDF: 3382344.4/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10862.691+/-42.875 χ^2/NDF: 56817.7/29

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -8681.920+/-41.350 χ^2/NDF: 118335.7/33

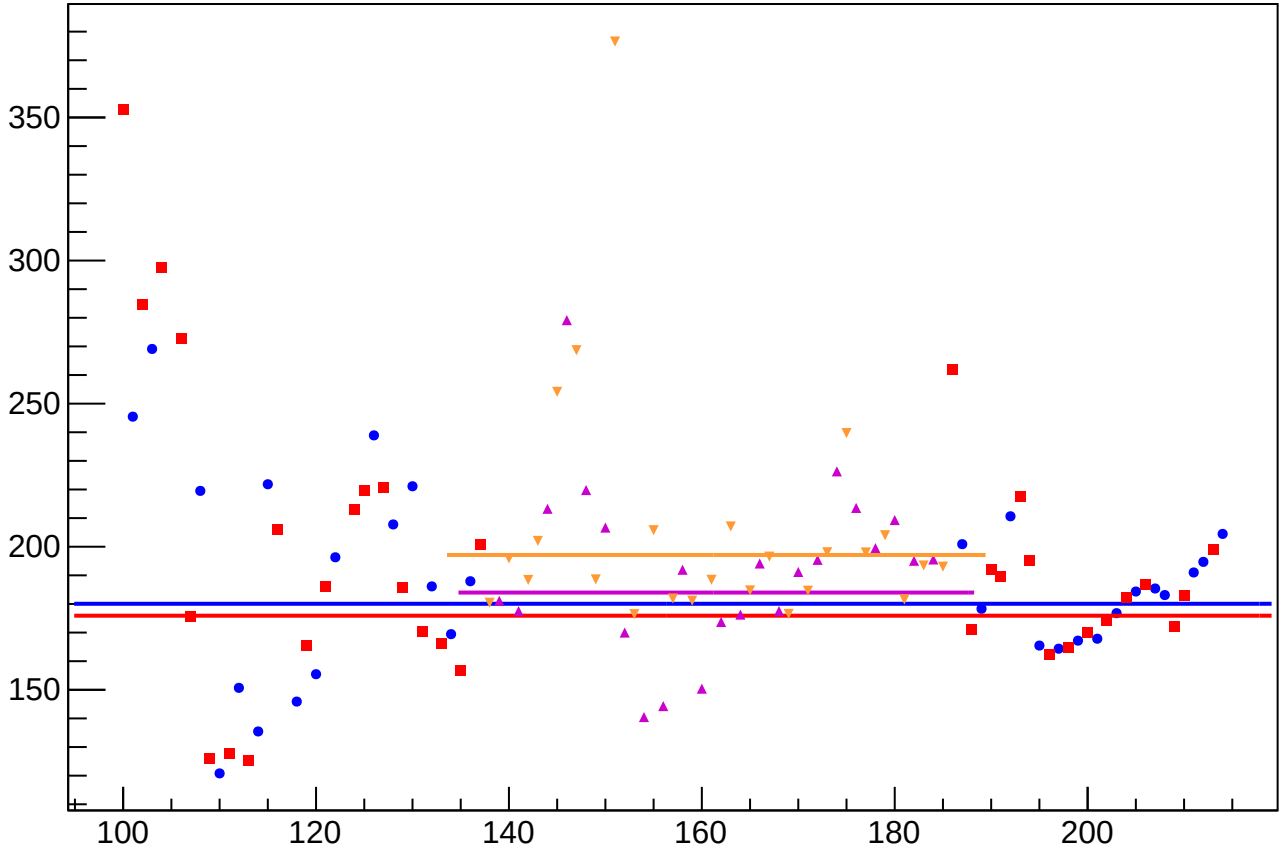
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1367.104+/-31.267 χ^2/NDF: 226309.6/54

All: 1220.350+/-21.720 χ^2/NDF: 480186.1/11

- sign 1083.493+/-30.195 χ^2/NDF: 253833.9/56

asym_bpm0i02aWS_rms vs Slug



Right In: 180.064+/-0.030 χ^2/NDF: 811650.2/29

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.898+/-0.029 χ^2/NDF: 1235363.8/33

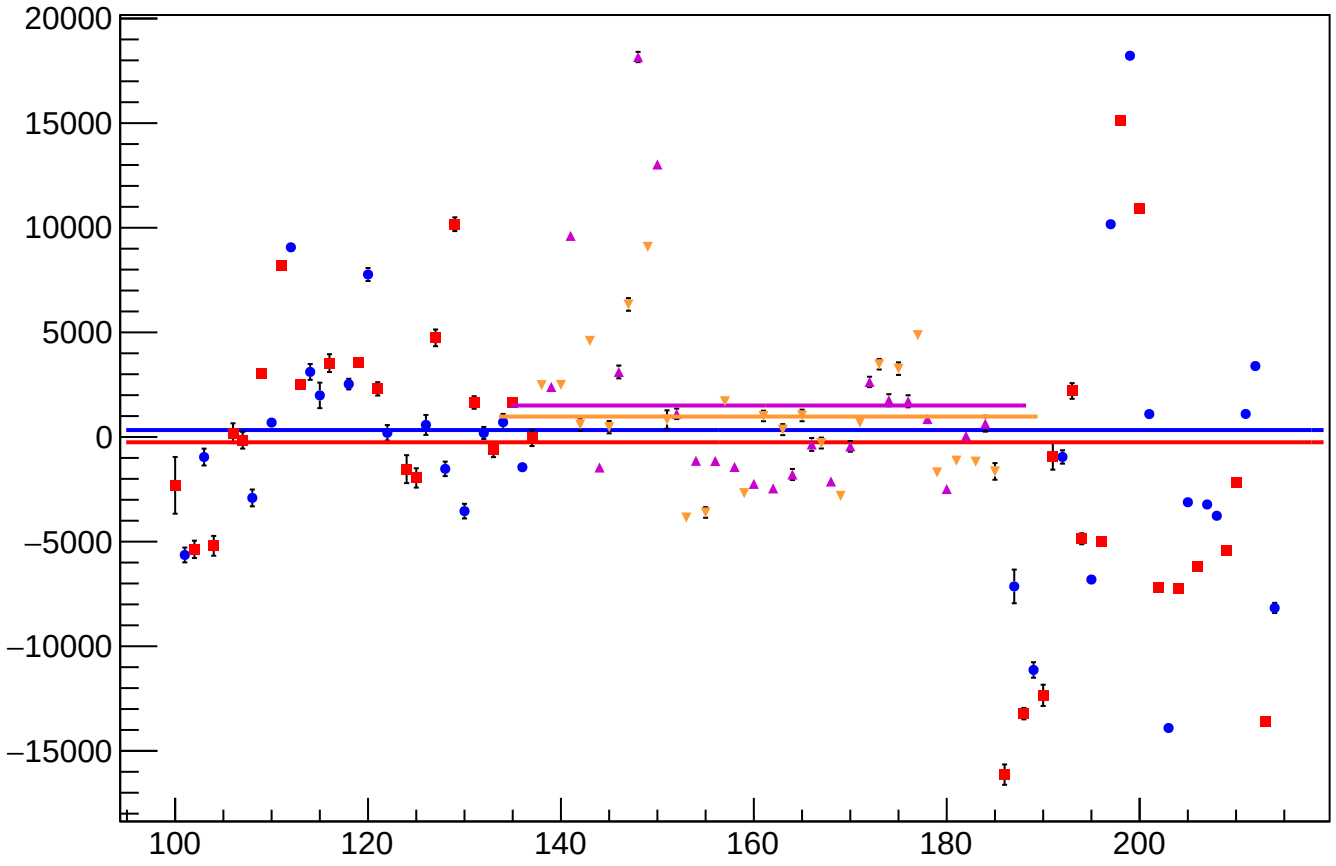
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.050+/-0.022 χ^2/NDF: 1692394.0/54

All: 183.715+/-0.015 χ^2/NDF: 3867536.3/11

- sign 179.673+/-0.021 χ^2/NDF: 2100856.6/56

asym_bpm0i05WS_mean vs Slug



Right In: 332.243+/-48.139 χ^2/NDF: 22871.5/29

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -251.866+/-46.515 χ^2/NDF: 25350.0/33

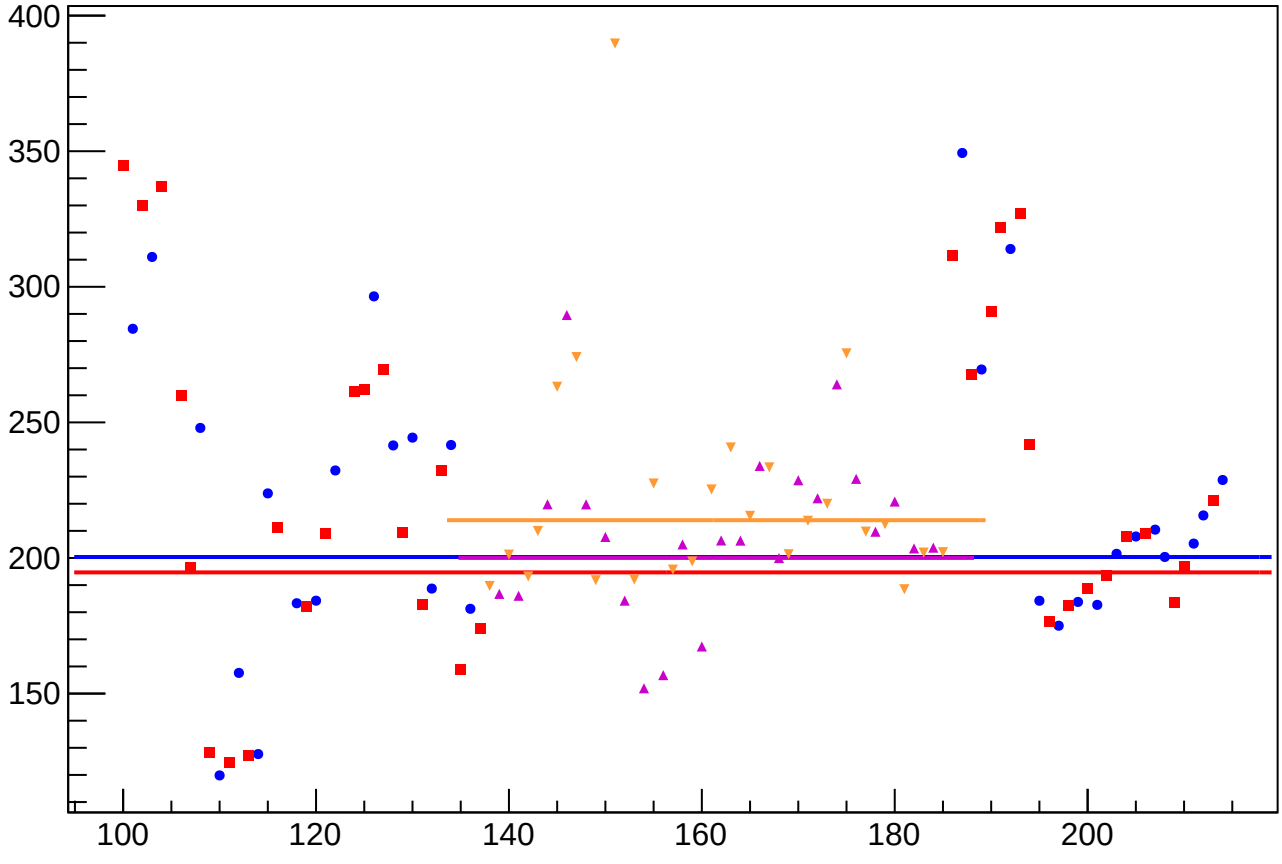
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 645.632+/-34.547 χ^2/NDF: 27281.8/54

All: 621.077+/-24.020 χ^2/NDF: 64803.6/111

- sign 598.096+/-33.421 χ^2/NDF: 37520.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 200.353+/-0.034 χ^2/NDF: 1491922.7/29

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.688+/-0.033 χ^2/NDF: 2286943.6/33

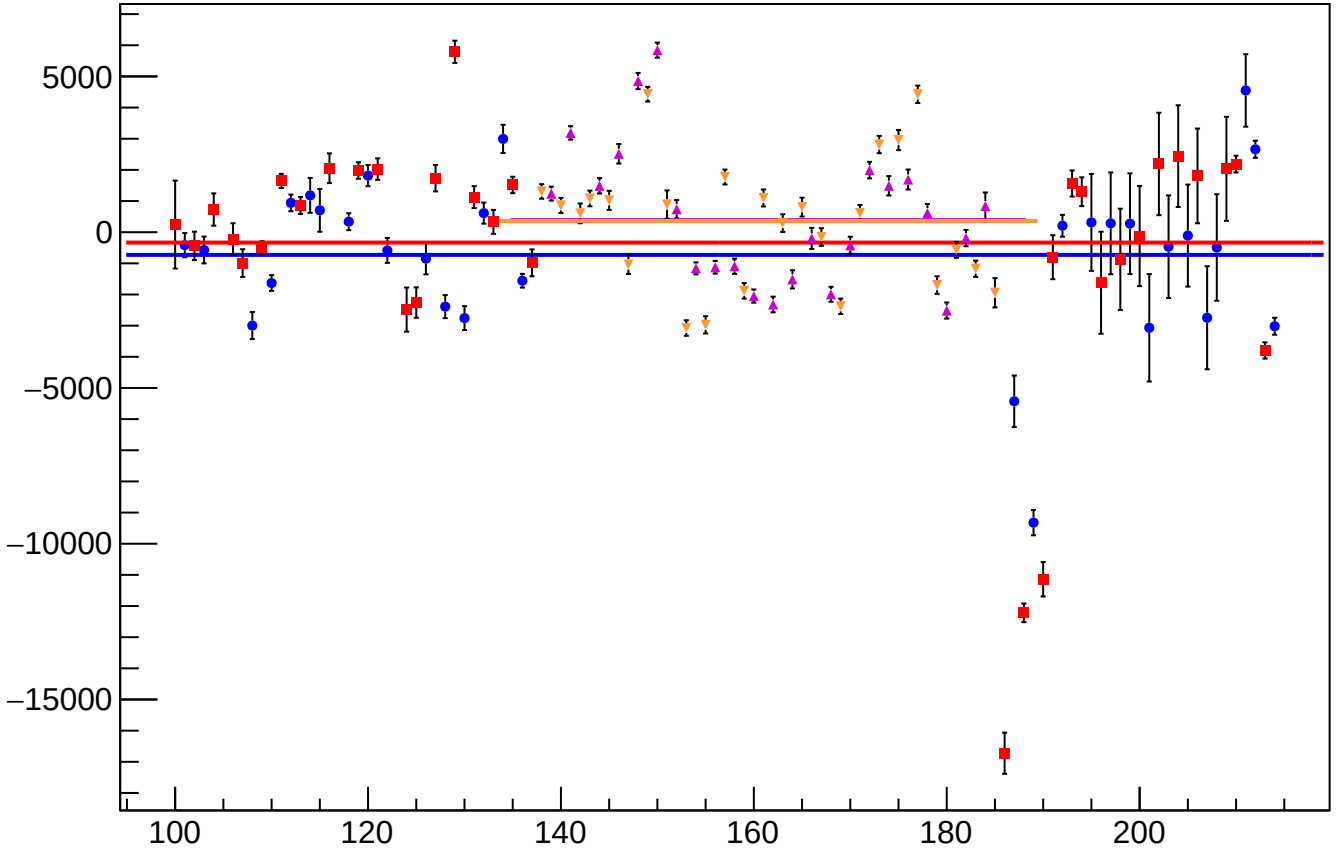
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.938+/-0.024 χ^2/NDF: 2302728.2/54

All: 201.946+/-0.017 χ^2/NDF: 5468829.9/11

- sign 197.273+/-0.024 χ^2/NDF: 3085231.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -728.069+/-74.712 χ^2/NDF: 1046.7/29

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -333.443+/-68.540 χ^2/NDF: 3542.8/33

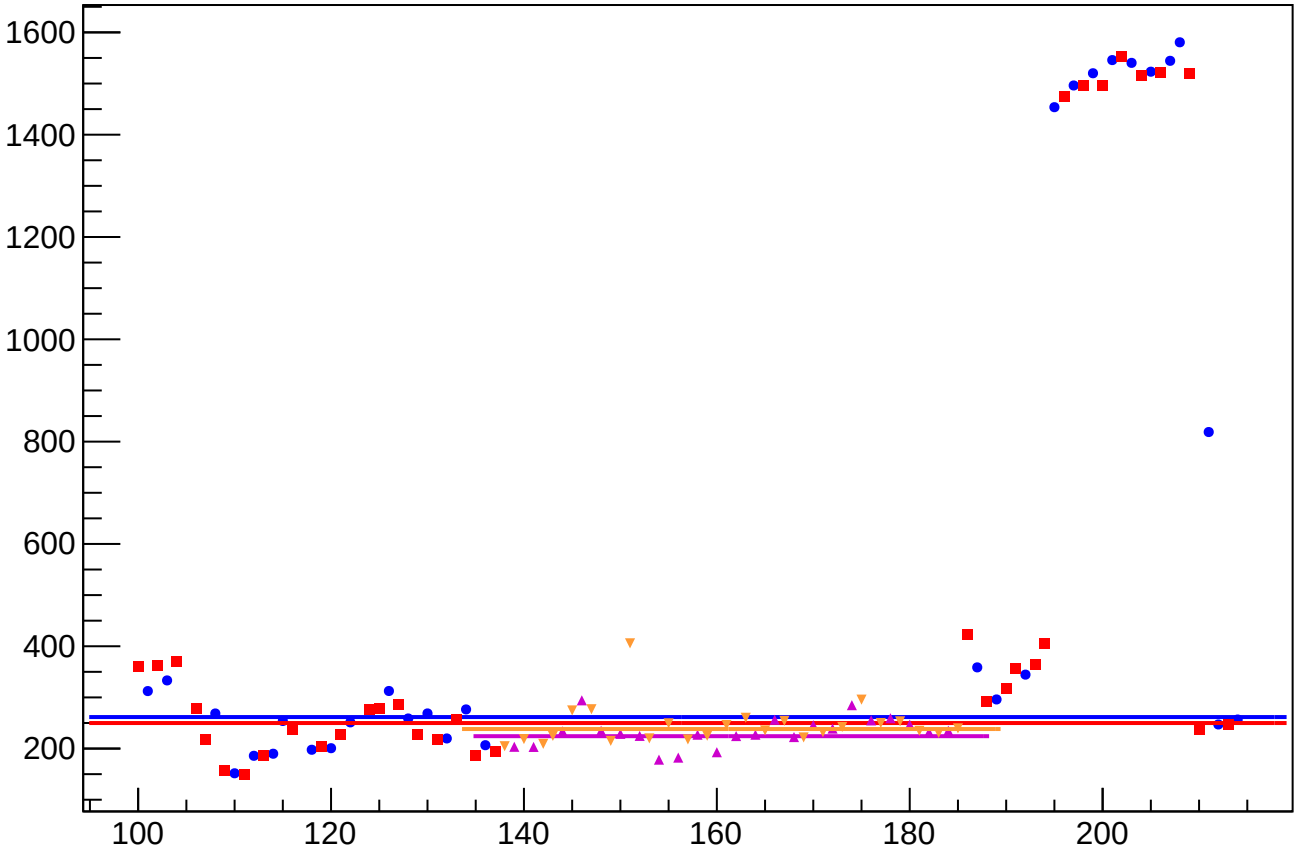
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -23.196+/-44.288 χ^2/NDF: 2602.8/54

All: 48.744+/-30.547 χ^2/NDF: 8023.4/111

\- sign 114.021+/-42.187 χ^2/NDF: 5415.6/56

asym_bpm0i07WS_rms vs Slug



Right In: 261.598+/-0.053 χ^2/NDF: 11059651.0/29

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 249.916+/-0.048 χ^2/NDF: 10529954.1/33

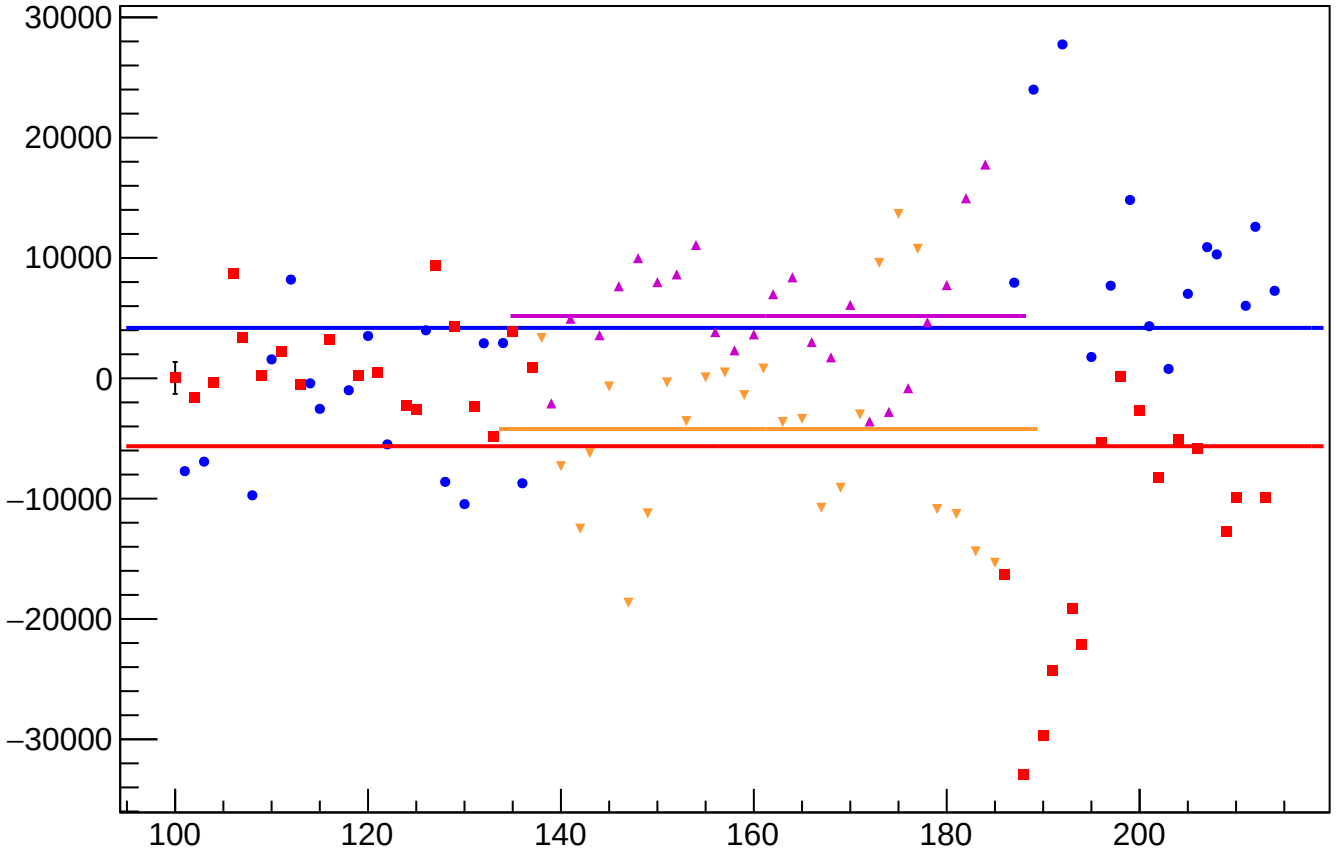
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.422+/-0.031 χ^2/NDF: 11754828.7/54

All: 239.883+/-0.022 χ^2/NDF: 23105879.6/11

- sign 233.950+/-0.030 χ^2/NDF: 11267900.8/56

asym_bpm1i02WS_mean vs Slug



Right In: 4191.536+/-33.190 χ^2/NDF: 81729.5/29

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5643.449+/-31.831 χ^2/NDF: 105828.2/33

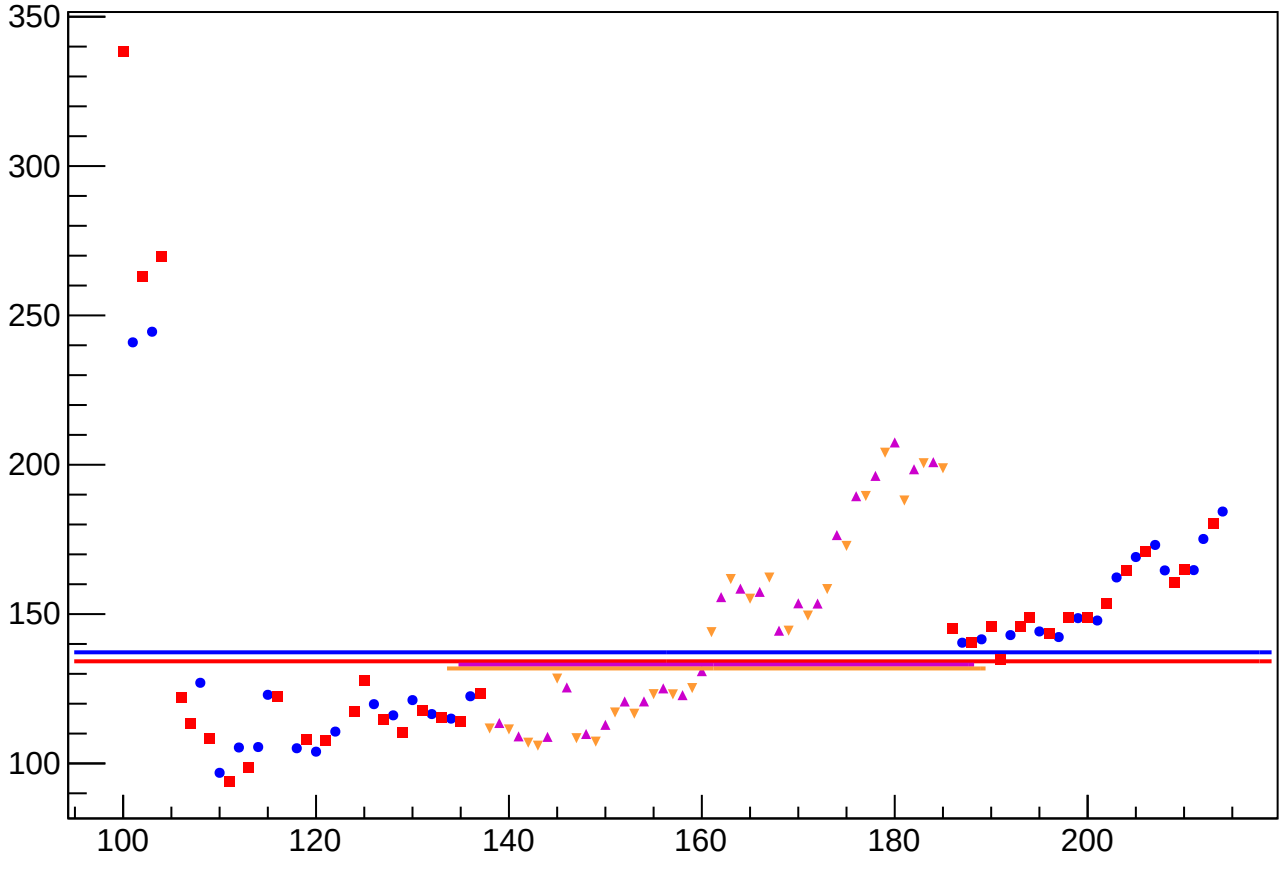
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -319.055+/-22.588 χ^2/NDF: 172936.6/54

All: -287.514+/-15.961 χ^2/NDF: 354849.8/11

- sign -256.059+/-22.557 χ^2/NDF: 181909.4/56

asym_bpm1i02WS_rms vs Slug



Right In: 137.208+/-0.023 χ^2/NDF: 1543572.8/29

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF: 1687957.6/33

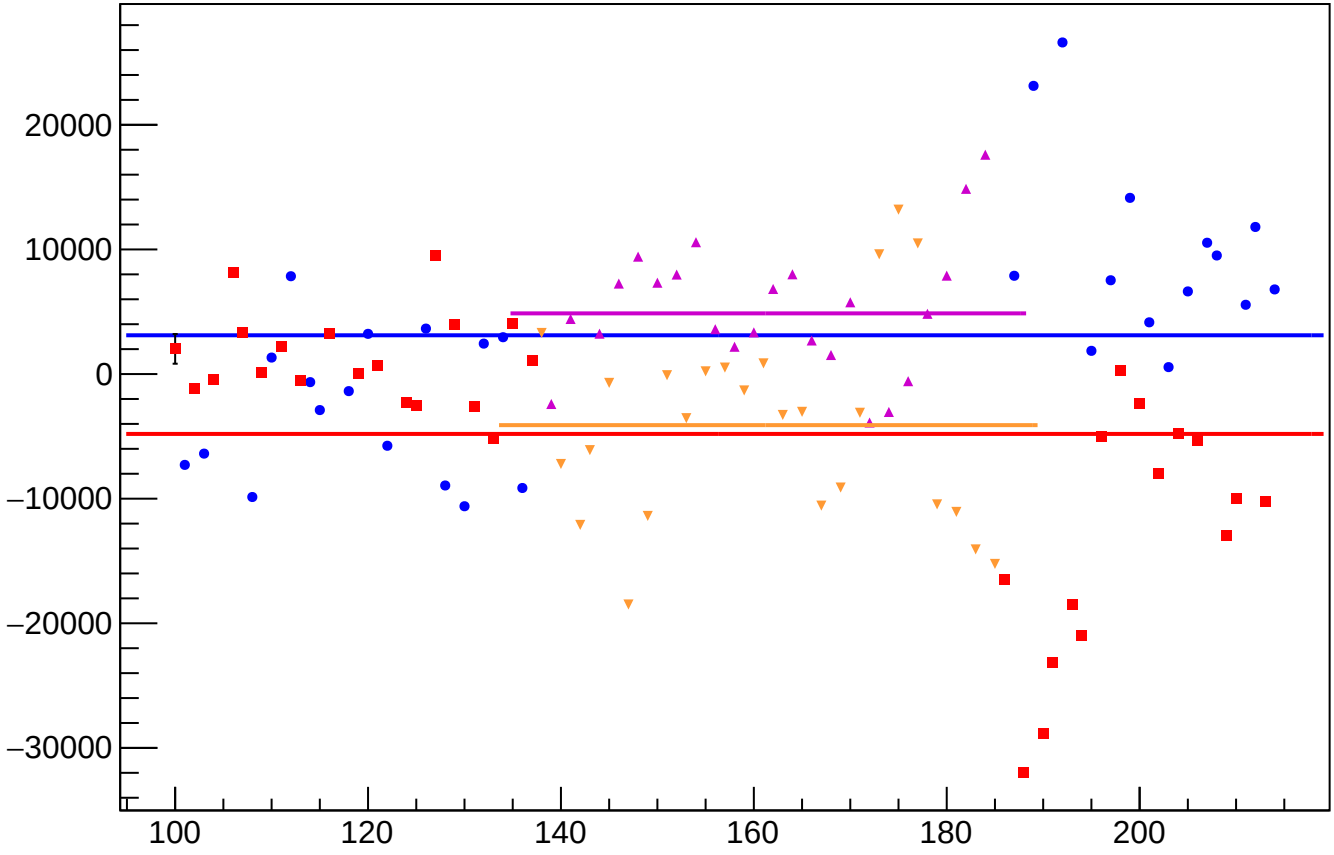
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 134.303+/-0.016 χ^2/NDF: 3116445.7/54

All: 133.966+/-0.011 χ^2/NDF: 6224806.0/111

- sign 133.630+/-0.016 χ^2/NDF: 3107470.0/56

asym_bpm2i01WS_mean vs Slug



Right In: 3111.772+/-30.507 χ^2/NDF: 89967.4/29

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4804.149+/-29.381 χ^2/NDF: 113059.9/33

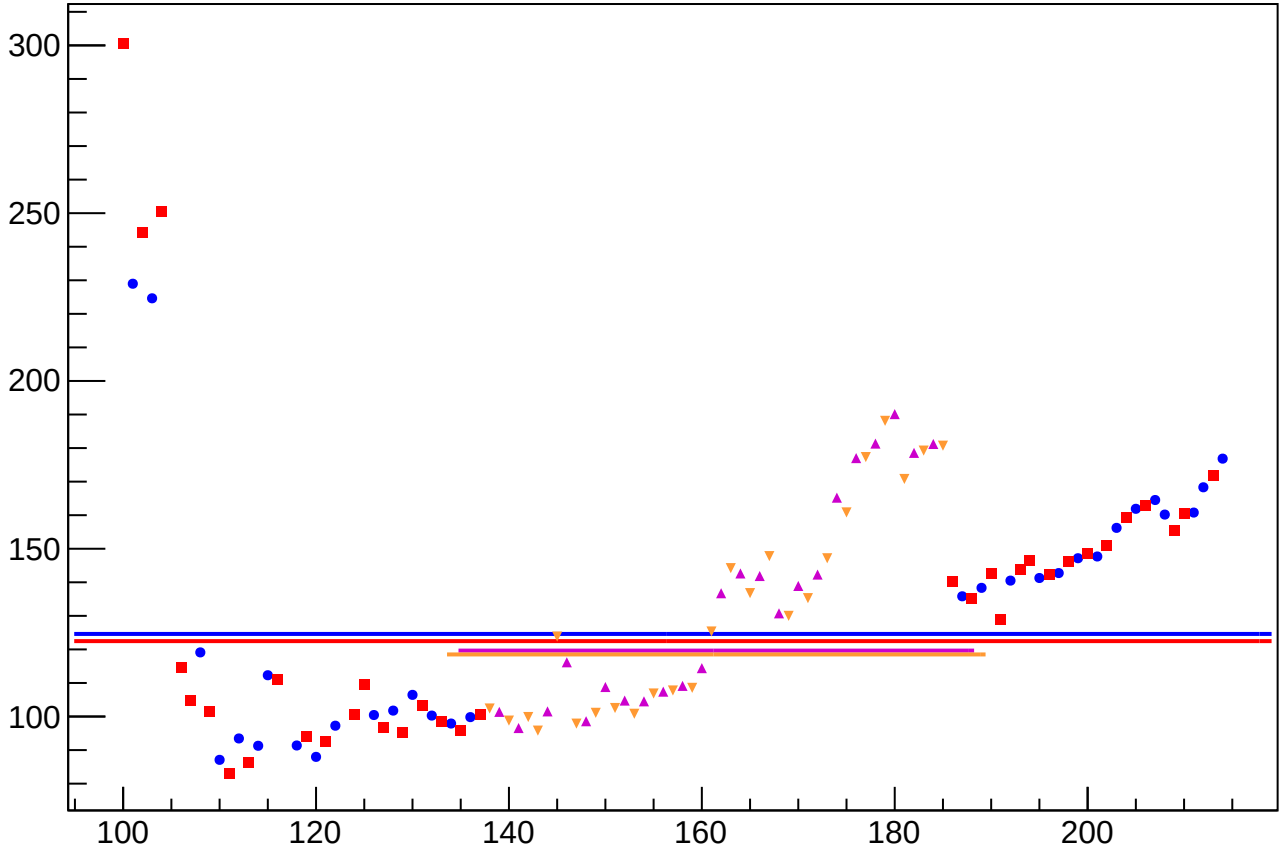
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -831.326+/-20.537 χ^2/NDF: 186788.2/54

All: -352.498+/-14.533 χ^2/NDF: 378121.9/11

- sign 127.895+/-20.570 χ^2/NDF: 190244.6/56

asym_bpm2i01WS_rms vs Slug



Right In: 124.614+/-0.022 χ^2/NDF: 2270579.7/29

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 122.471+/-0.021 χ^2/NDF: 2377701.0/33

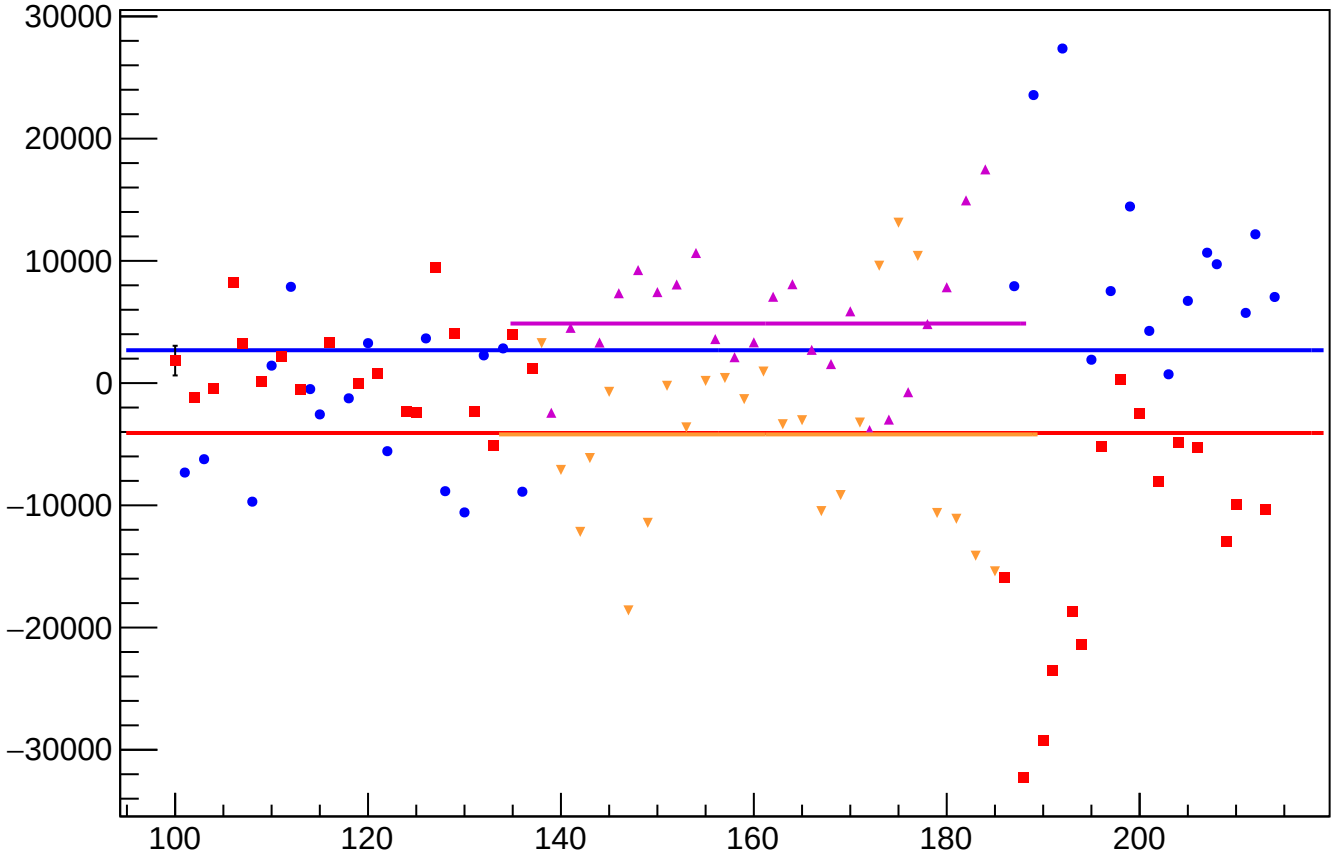
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 121.271+/-0.015 χ^2/NDF: 3941616.4/54

All: 121.151+/-0.010 χ^2/NDF: 7841267.9/11

- sign 121.030+/-0.015 χ^2/NDF: 3899513.5/56

asym_bpm2i02WS_mean vs Slug



Right In: 2688.898+/-30.320 χ^2/NDF: 89239.0/29

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -4081.764+/-29.161 χ^2/NDF: 106899.8/33

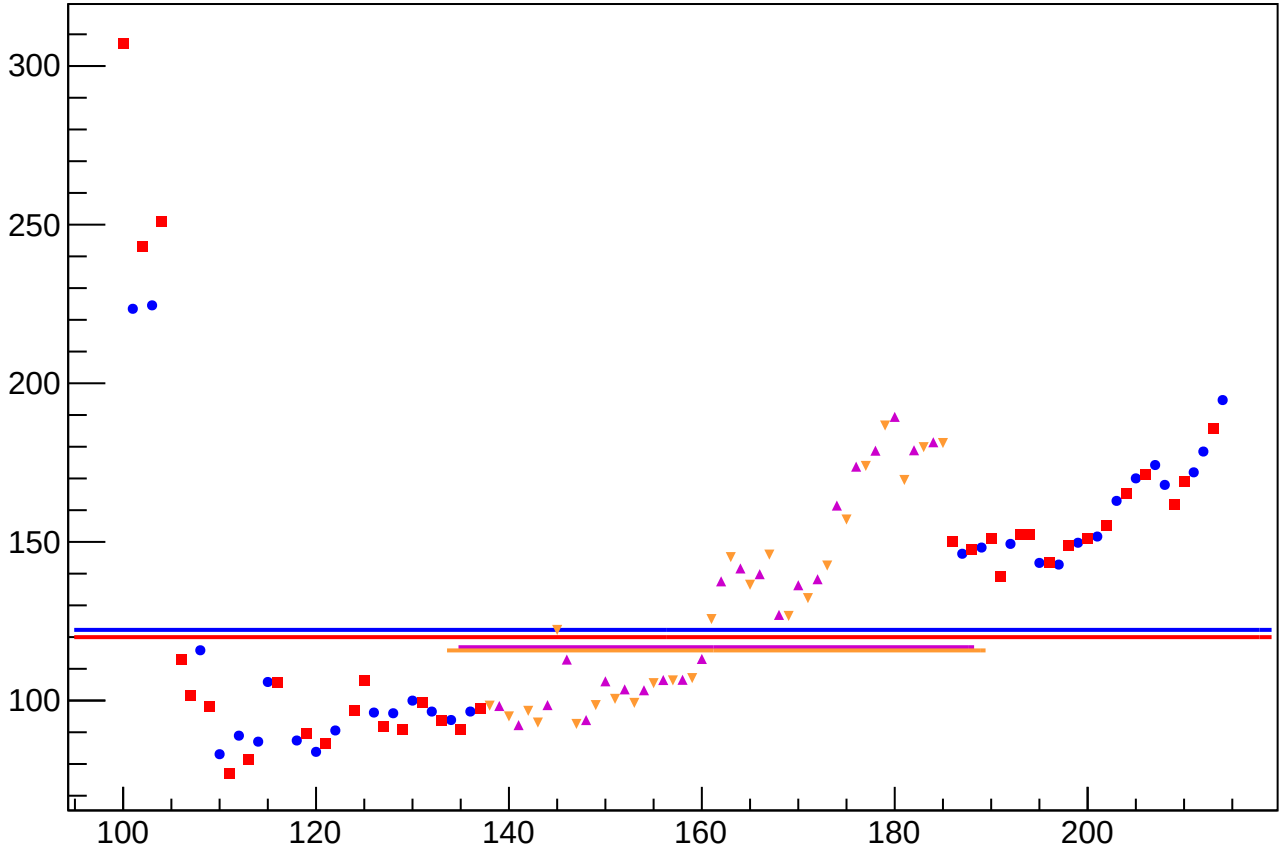
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -1125.320+/-20.251 χ^2/NDF: 188226.5/54

All: -290.710+/-14.327 χ^2/NDF: 370180.1/11

- sign 545.599+/-20.272 χ^2/NDF: 178553.1/56

asym_bpm2i02WS_rms vs Slug



Right In: 122.273+/-0.021 χ^2/NDF: 3009248.6/29

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 119.983+/-0.021 χ^2/NDF: 3174600.7/33

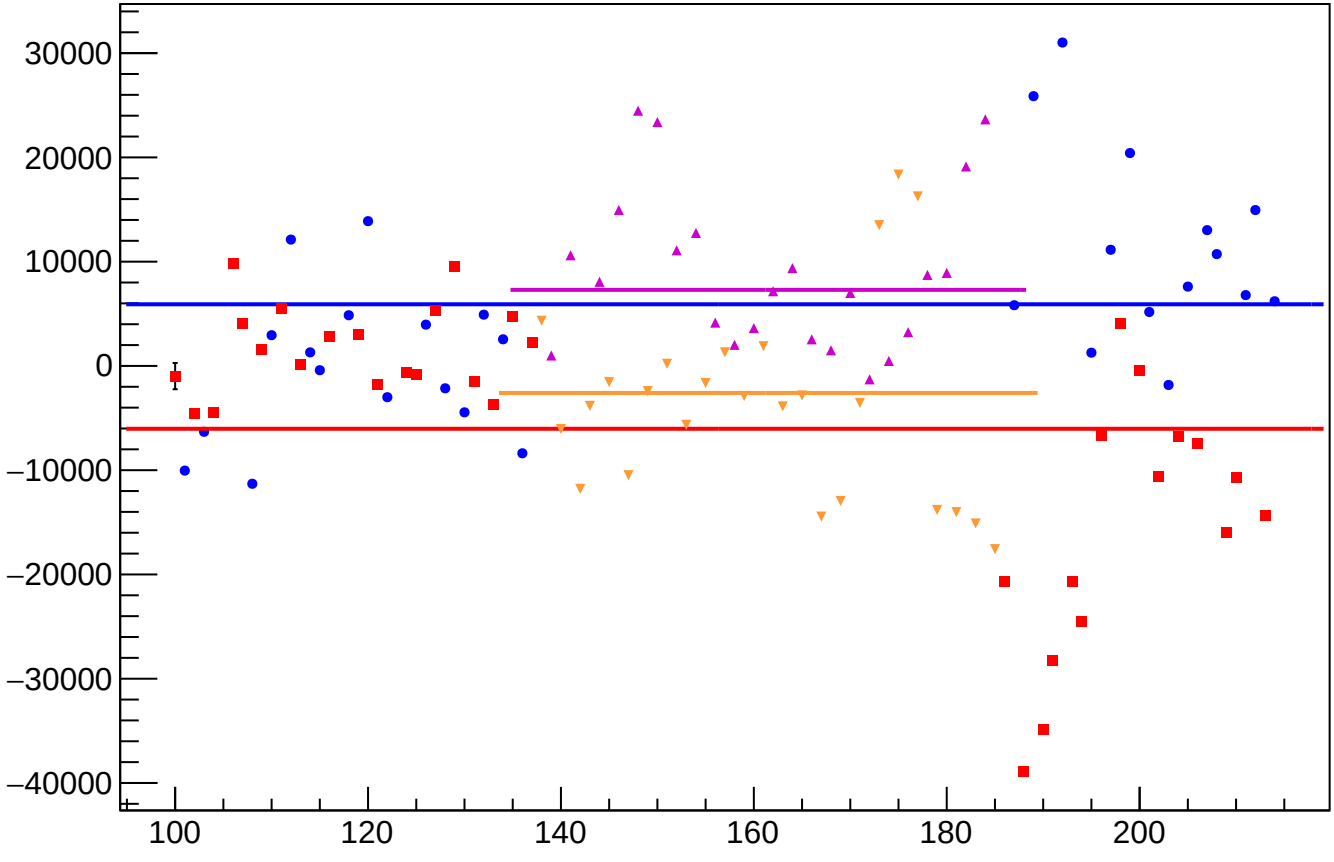
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 118.687+/-0.014 χ^2/NDF: 4808794.4/54

All: 118.515+/-0.010 χ^2/NDF: 9613580.2/11

- sign 118.343+/-0.014 χ^2/NDF: 4804497.9/56

asym_bpm0i01WS_mean vs Slug



Right In: 5912.845+/-39.784 χ^2/NDF: 65913.0/29

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -6026.520+/-38.507 χ^2/NDF: 101472.4/33

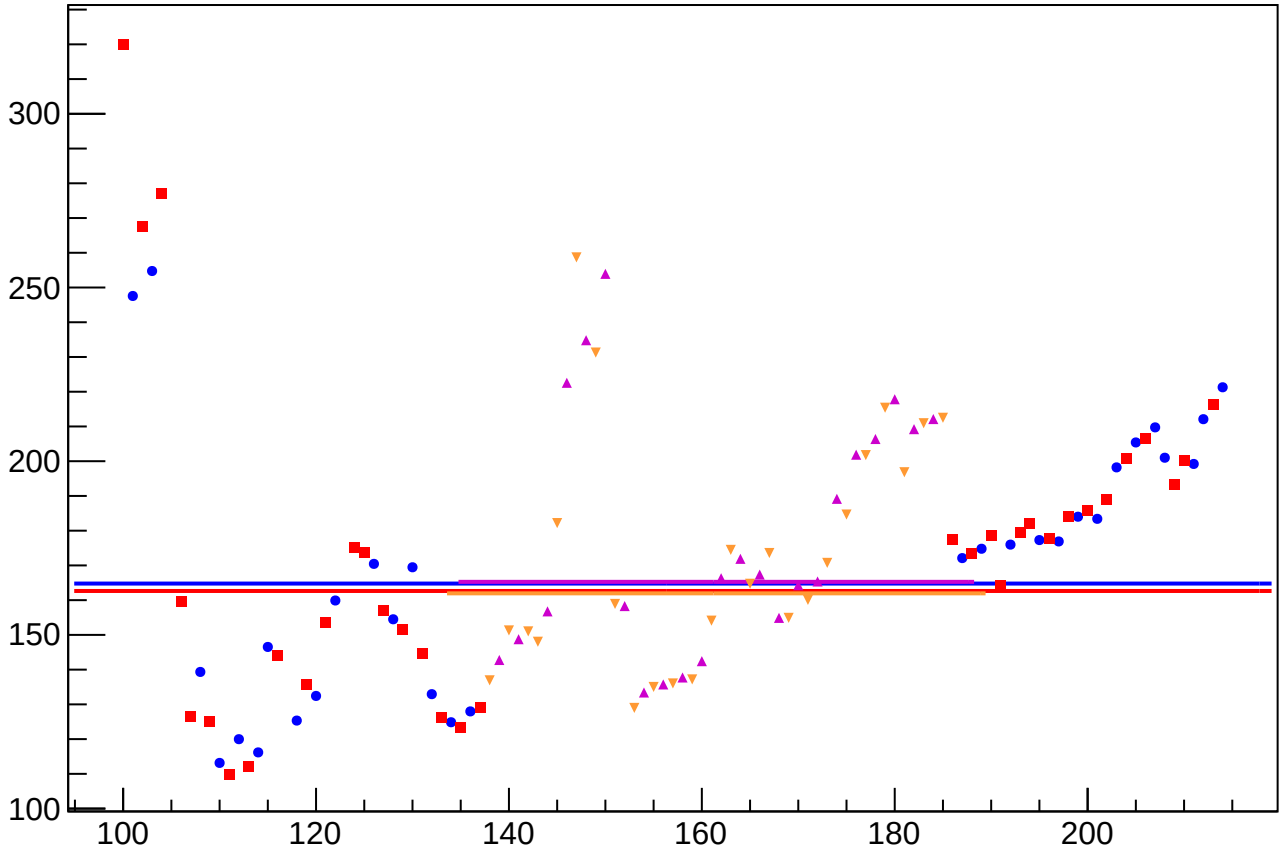
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1425.799+/-27.343 χ^2/NDF: 138016.8/54

All: 943.662+/-19.424 χ^2/NDF: 323074.4/111

- sign 452.480+/-27.599 χ^2/NDF: 184429.9/56

asym_bpm0i01WS_rms vs Slug



Right In: 164.777+/-0.028 χ^2/NDF: 1622324.4/29

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 162.643+/-0.027 χ^2/NDF: 1696099.2/33

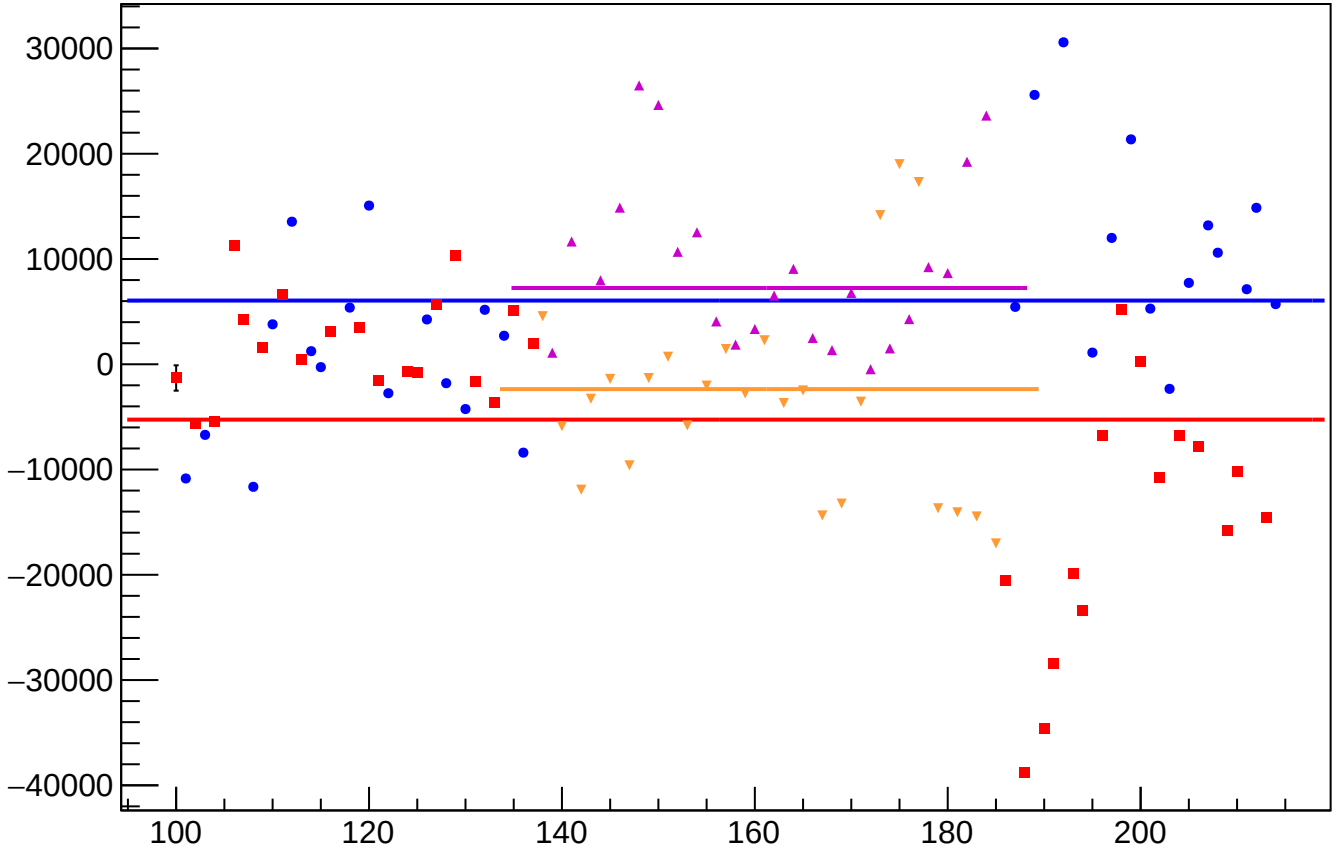
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 163.289+/-0.019 χ^2/NDF: 2772435.5/54

All: 163.603+/-0.014 χ^2/NDF: 5652690.9/11

- sign 163.922+/-0.020 χ^2/NDF: 2879725.0/56

asym_bpm0i01aWS_mean vs Slug



Right In: 6051.953+/-33.887 χ^2/NDF: 91704.1/29

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5259.803+/-32.600 χ^2/NDF: 141530.3/33

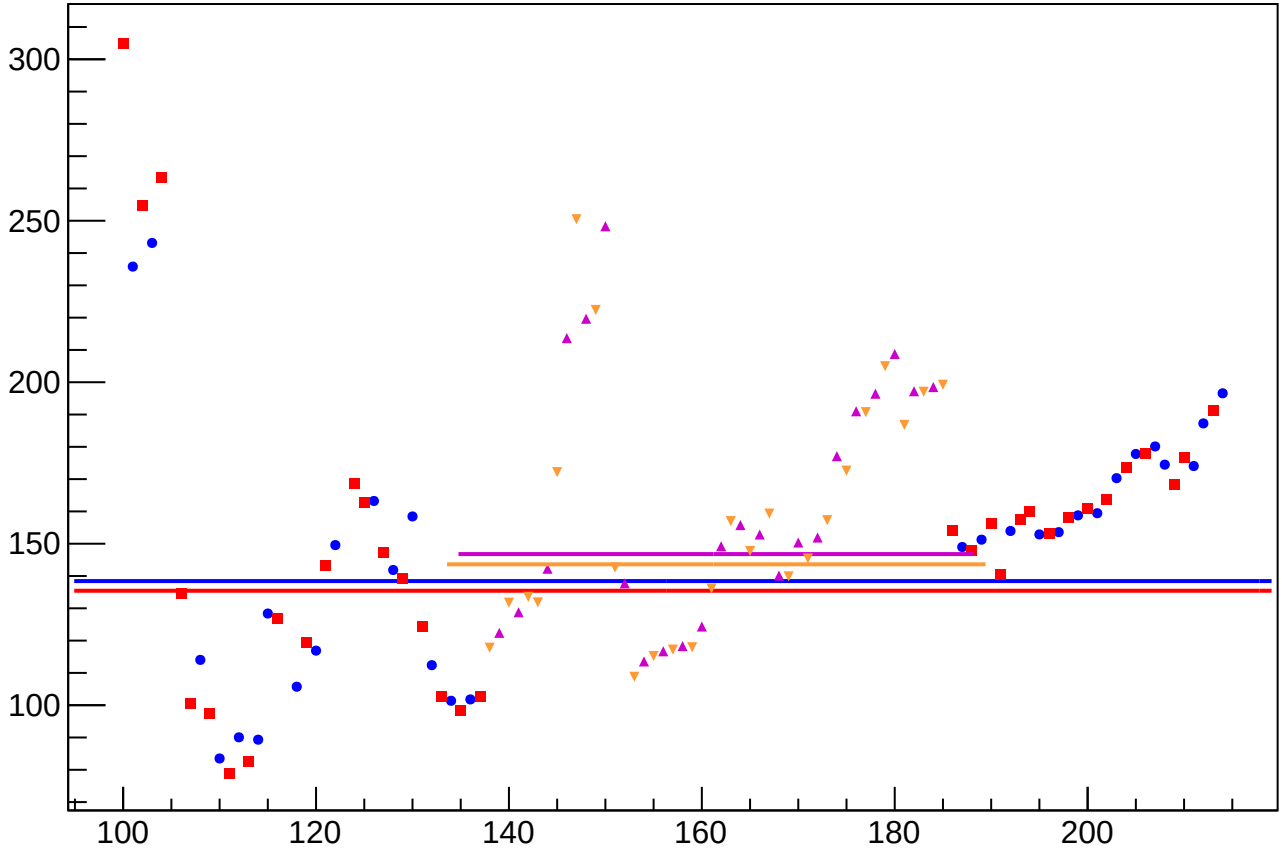
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1819.856+/-23.888 χ^2/NDF: 181275.1/54

All: 1143.318+/-16.936 χ^2/NDF: 422162.4/11

- sign 459.653+/-24.014 χ^2/NDF: 239274.8/56

asym_bpm0i01aWS_rms vs Slug



Right In: 138.431+/-0.024 χ^2/NDF: 2390636.8/29

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 135.439+/-0.023 χ^2/NDF: 2649130.2/33

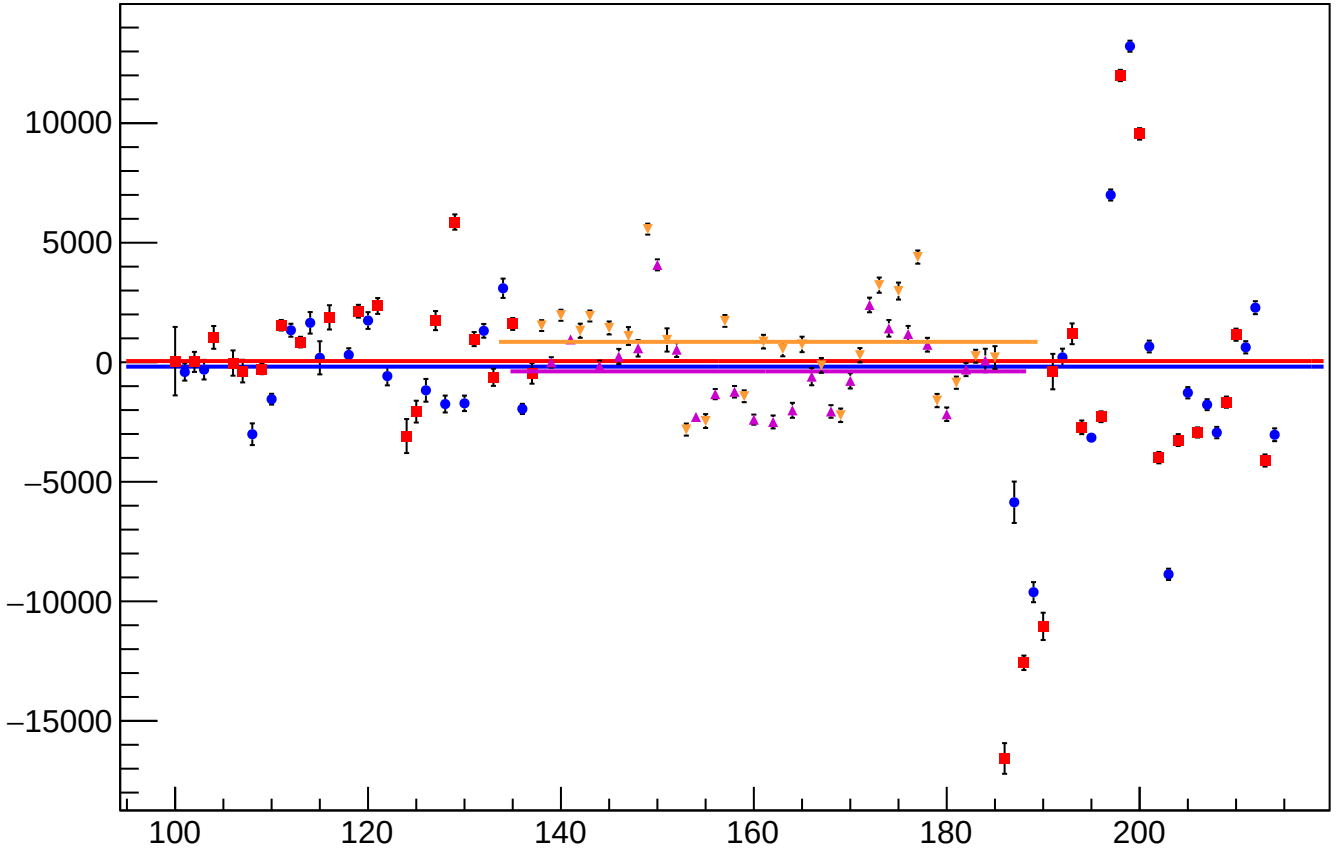
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 141.043+/-0.017 χ^2/NDF: 4077070.5/54

All: 140.839+/-0.012 χ^2/NDF: 8531984.1/111

- sign 140.632+/-0.017 χ^2/NDF: 4454620.3/56

asym_bpm0l01WS_mean vs Slug



Right In: -183.671+/-53.130 χ^2/NDF: 7204.3/29

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 50.041+/-52.184 χ^2/NDF: 8757.9/33

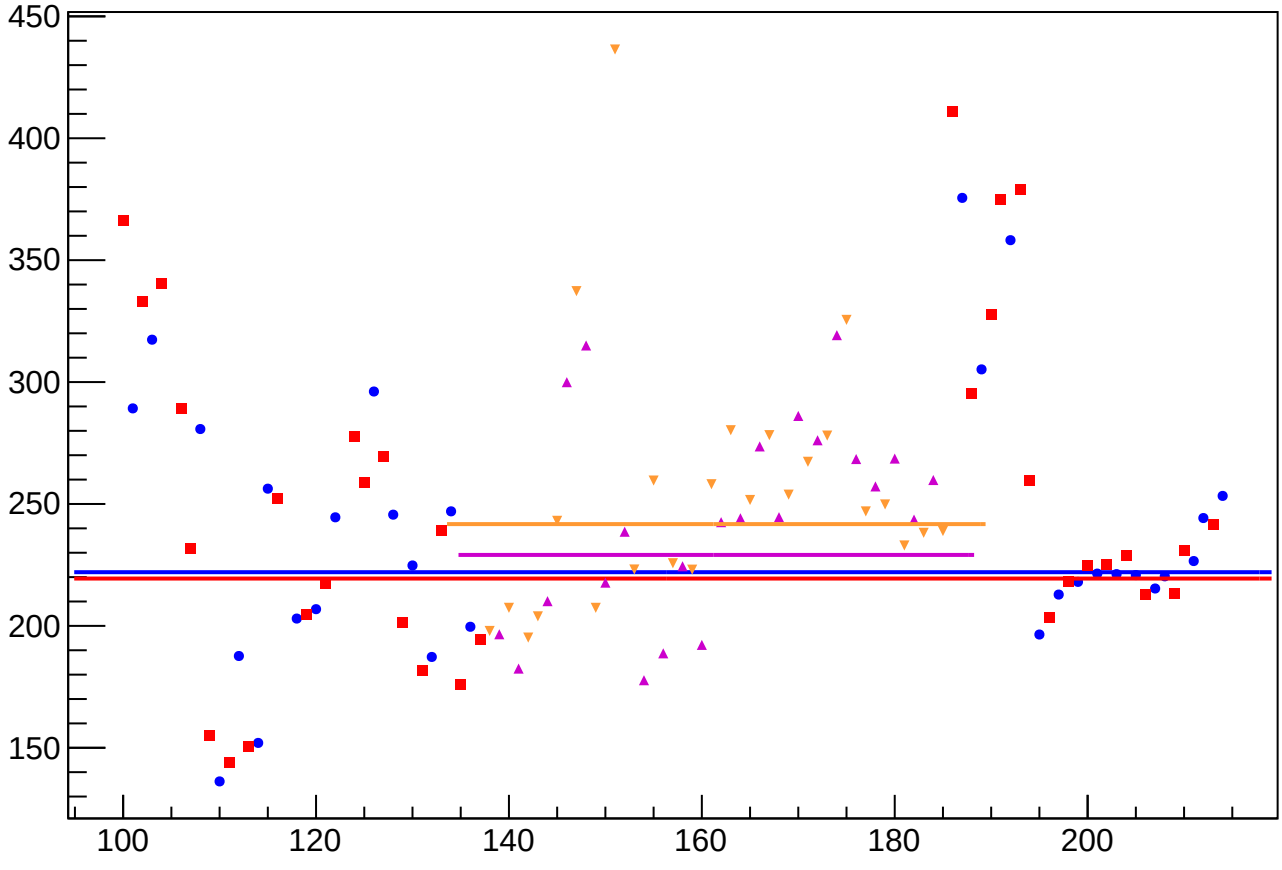
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 305.671+/-38.620 χ^2/NDF: 8828.0/54

All: 71.730+/-27.050 χ^2/NDF: 18672.5/111

- sign -153.572+/-37.900 χ^2/NDF: 9772.5/56

asym_bpm0l01WS_rms vs Slug



Right In: 222.022+/-0.038 χ^2/NDF: 1217359.5/29

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 219.414+/-0.037 χ^2/NDF: 1931600.9/33

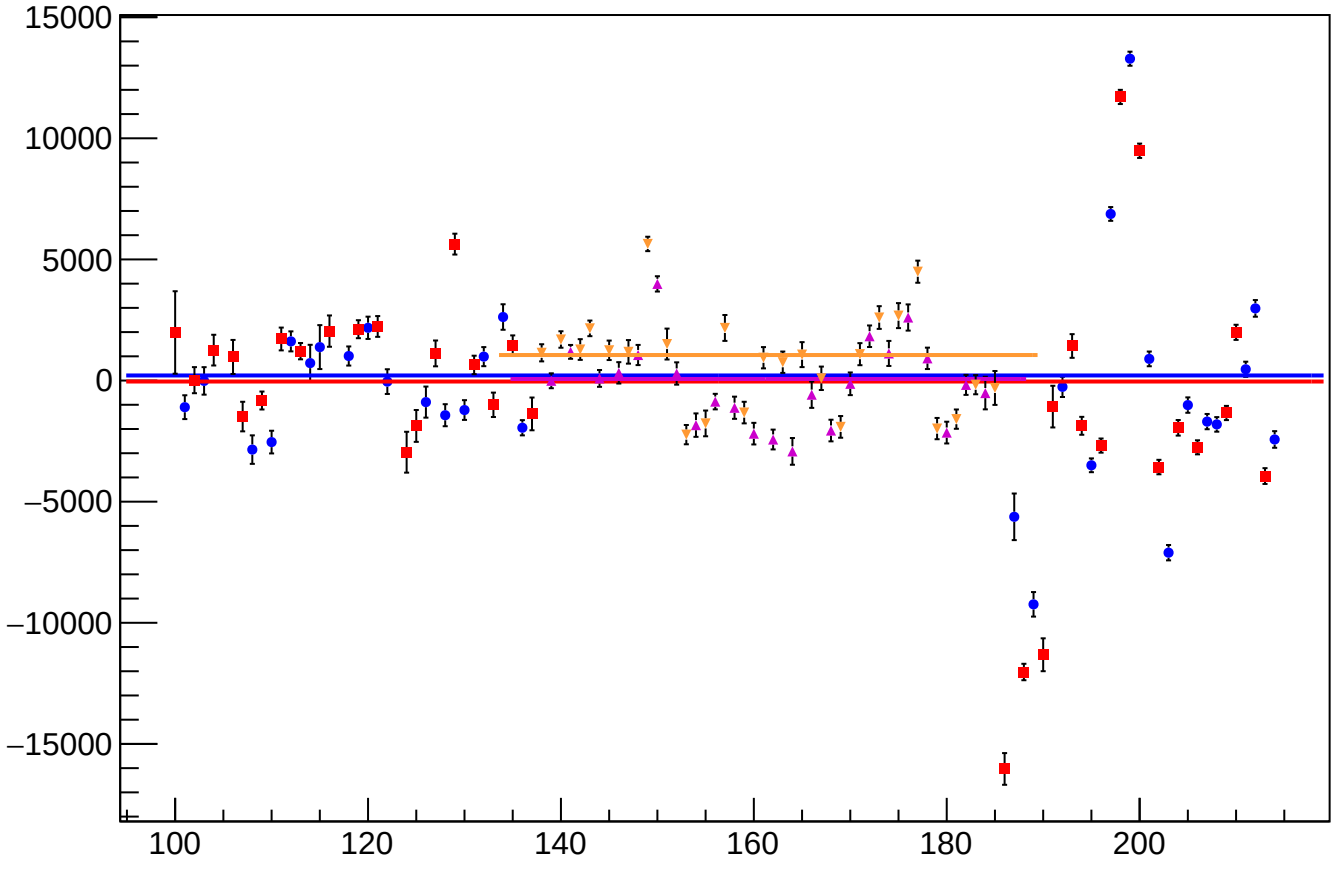
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 231.324+/-0.027 χ^2/NDF: 2333742.8/54

All: 227.589+/-0.019 χ^2/NDF: 5403599.9/111

- sign 223.993+/-0.027 χ^2/NDF: 3033140.0/56

asym_bpm0l02WS_mean vs Slug



Right In: 209.873+/-71.052 χ^2/NDF: 4095.7/29

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -39.995+/-70.186 χ^2/NDF: 5688.7/33

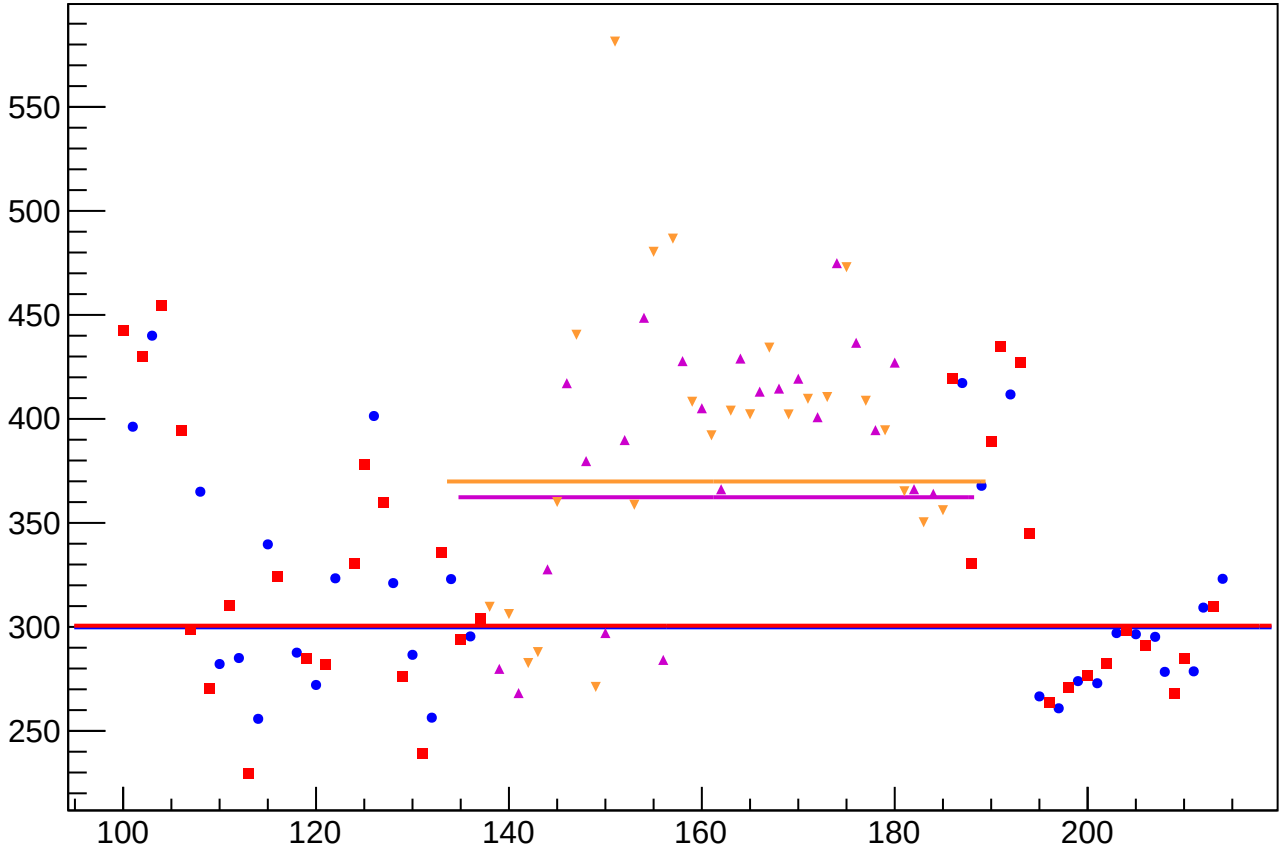
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 552.547+/-54.749 χ^2/NDF: 4767.5/54

All: 275.957+/-38.640 χ^2/NDF: 10902.4/111

- sign 1.455+/-54.542 χ^2/NDF: 6084.0/56

asym_bpm0l02WS_rms vs Slug



Right In: 299.808+/-0.050 χ^2/NDF: 674462.8/29

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 300.587+/-0.050 χ^2/NDF: 954710.5/33

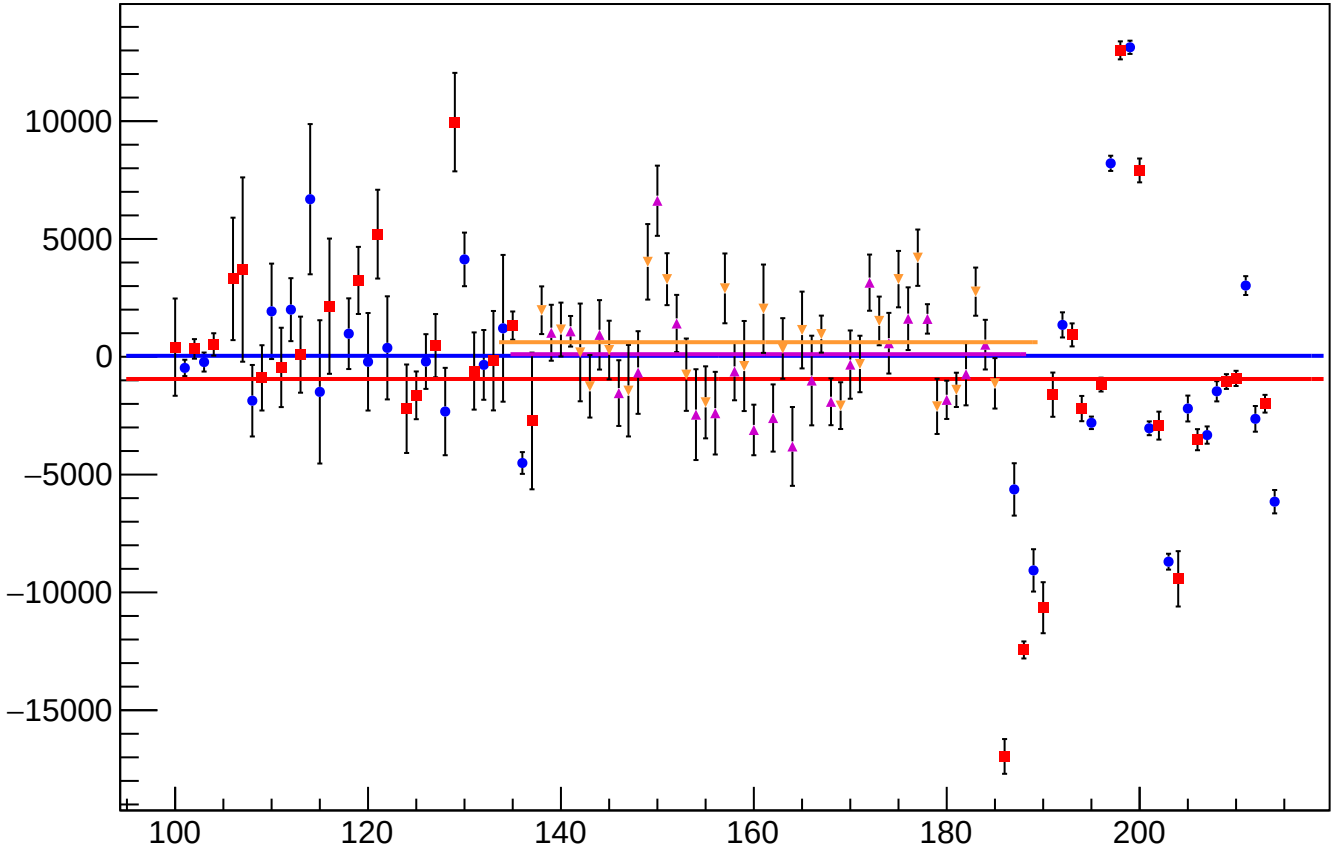
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 328.293+/-0.039 χ^2/NDF: 2696018.8/54

All: 326.665+/-0.027 χ^2/NDF: 5320959.5/11

- sign 325.049+/-0.039 χ^2/NDF: 2621415.7/56

asym_bpm0l03WS_mean vs Slug



Right In: 40.382+/-92.762 χ^2/NDF: 4313.7/29

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -942.719+/-102.400 χ^2/NDF: 3417.3/33

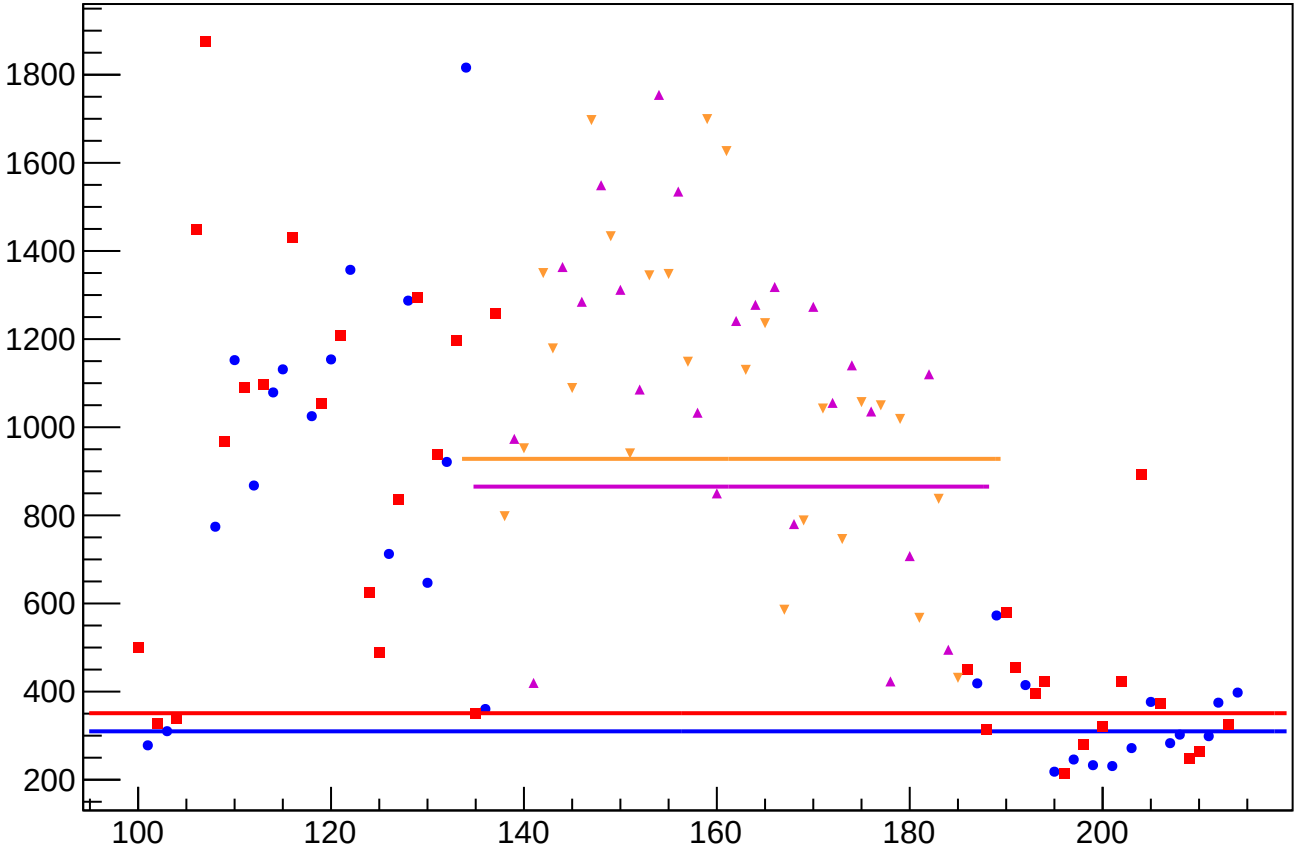
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 116.544+/-86.436 χ^2/NDF: 4384.5/54

All: -293.121+/-63.642 χ^2/NDF: 7939.2/111

- sign -778.157+/-94.052 χ^2/NDF: 3505.6/56

asym_bpm0l03WS_rms vs Slug



Right In: 309.840+/-0.066 χ^2/NDF: 5250353.6/29

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

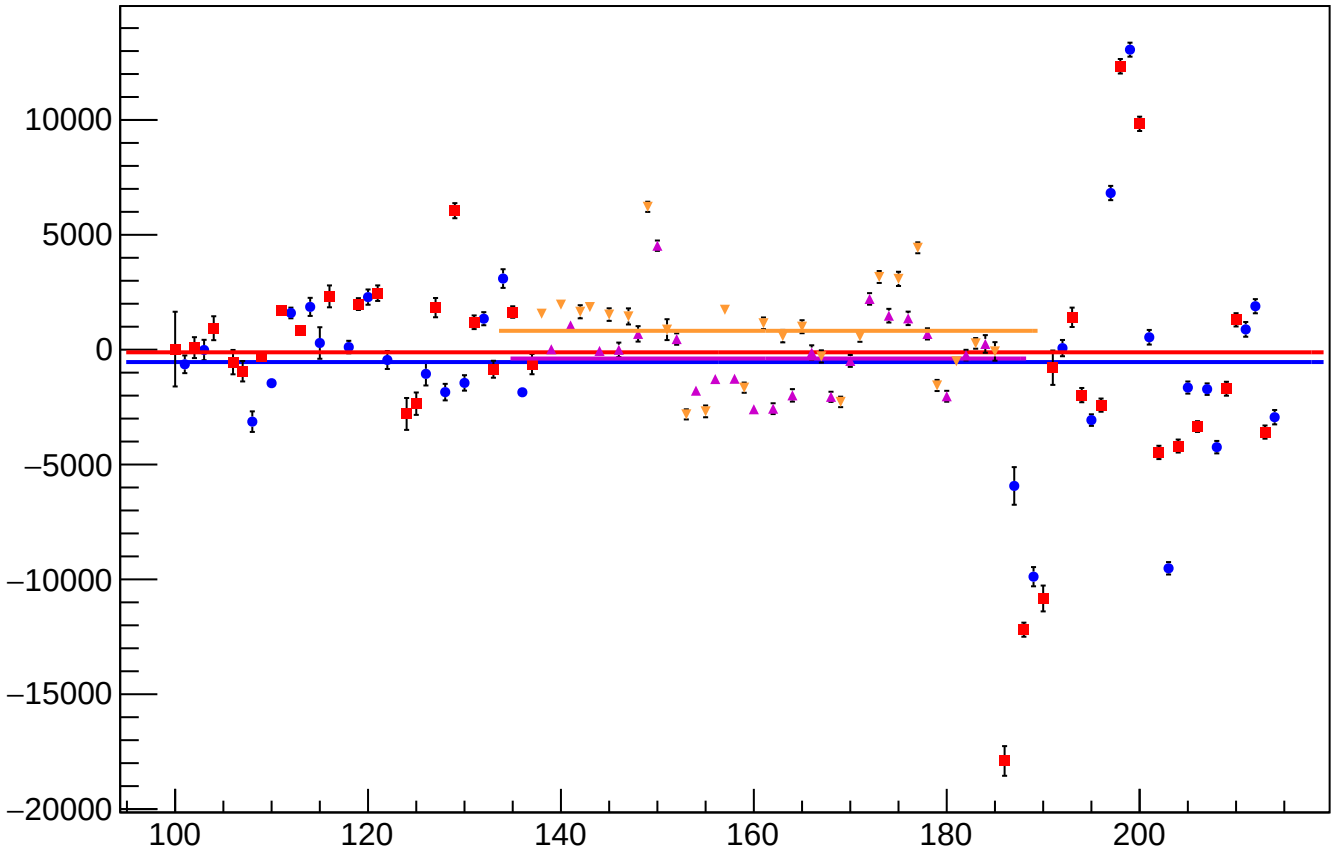
Right Out: 350.996+/-0.072 χ^2/NDF: 6160399.3/33

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 391.303+/-0.061 χ^2/NDF: 20254108.7/54

All: 409.671+/-0.045 χ^2/NDF: 39292241.7/11

- sign 431.417+/-0.067 χ^2/NDF: 18840901.0/56



Right In: -539.342+/-57.109 χ^2/NDF: 5114.7/29

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -114.822+/-54.933 χ^2/NDF: 6938.5/33

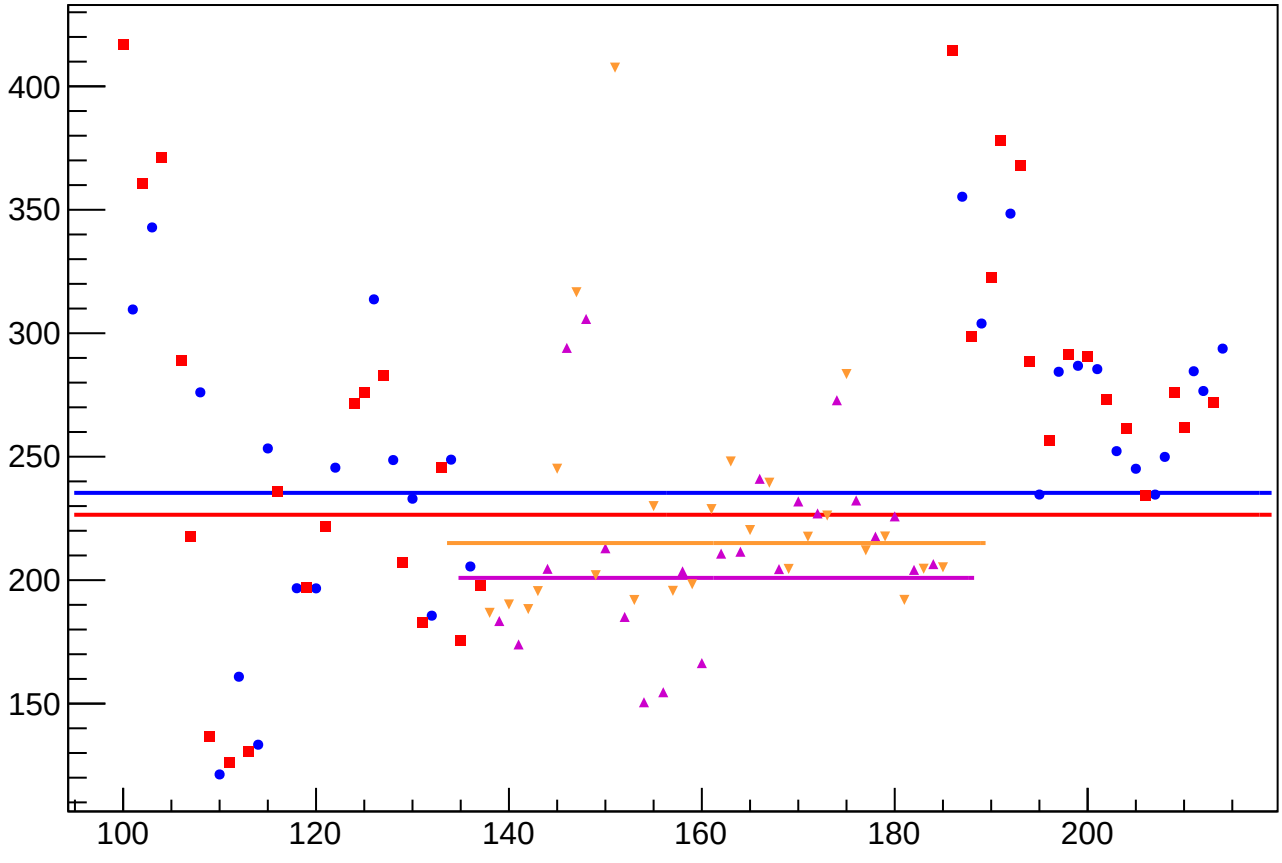
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 230.669+/-37.617 χ^2/NDF: 7426.7/54

All: -26.655+/-26.136 χ^2/NDF: 15722.5/111

- sign -266.776+/-36.338 χ^2/NDF: 8205.4/56

asym_bpm0l04WS_rms vs Slug



Right In: 235.352+/-0.040 χ^2/NDF: 2026759.5/29

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 226.483+/-0.039 χ^2/NDF: 3227335.5/33

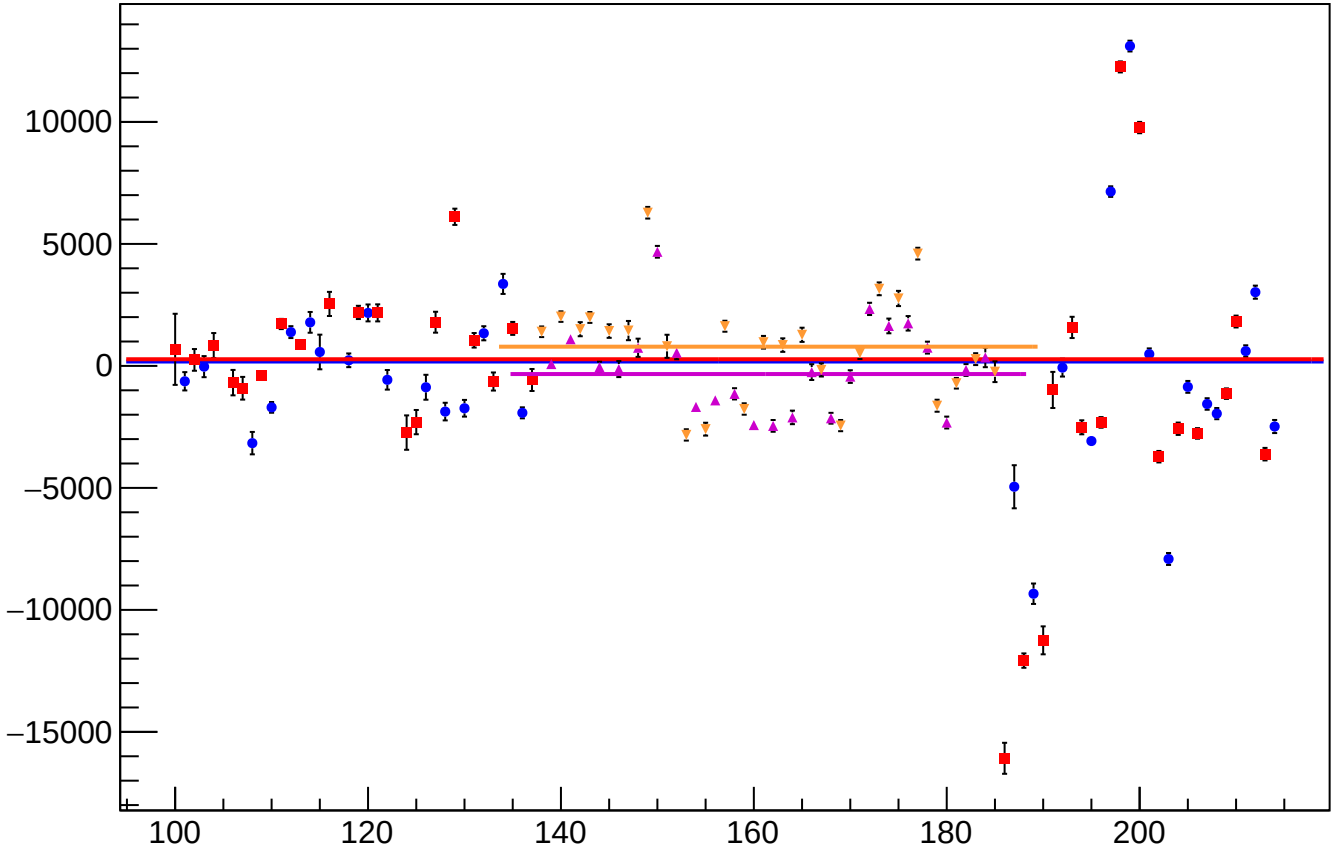
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 223.846+/-0.027 χ^2/NDF: 3067968.7/54

All: 217.772+/-0.018 χ^2/NDF: 7745578.6/11

- sign 212.104+/-0.026 χ^2/NDF: 4576819.4/56

asym_bpm0l05WS_mean vs Slug



Right In: 180.100+/-52.661 χ^2/NDF: 7145.7/29

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 273.211+/-51.487 χ^2/NDF: 9058.7/33

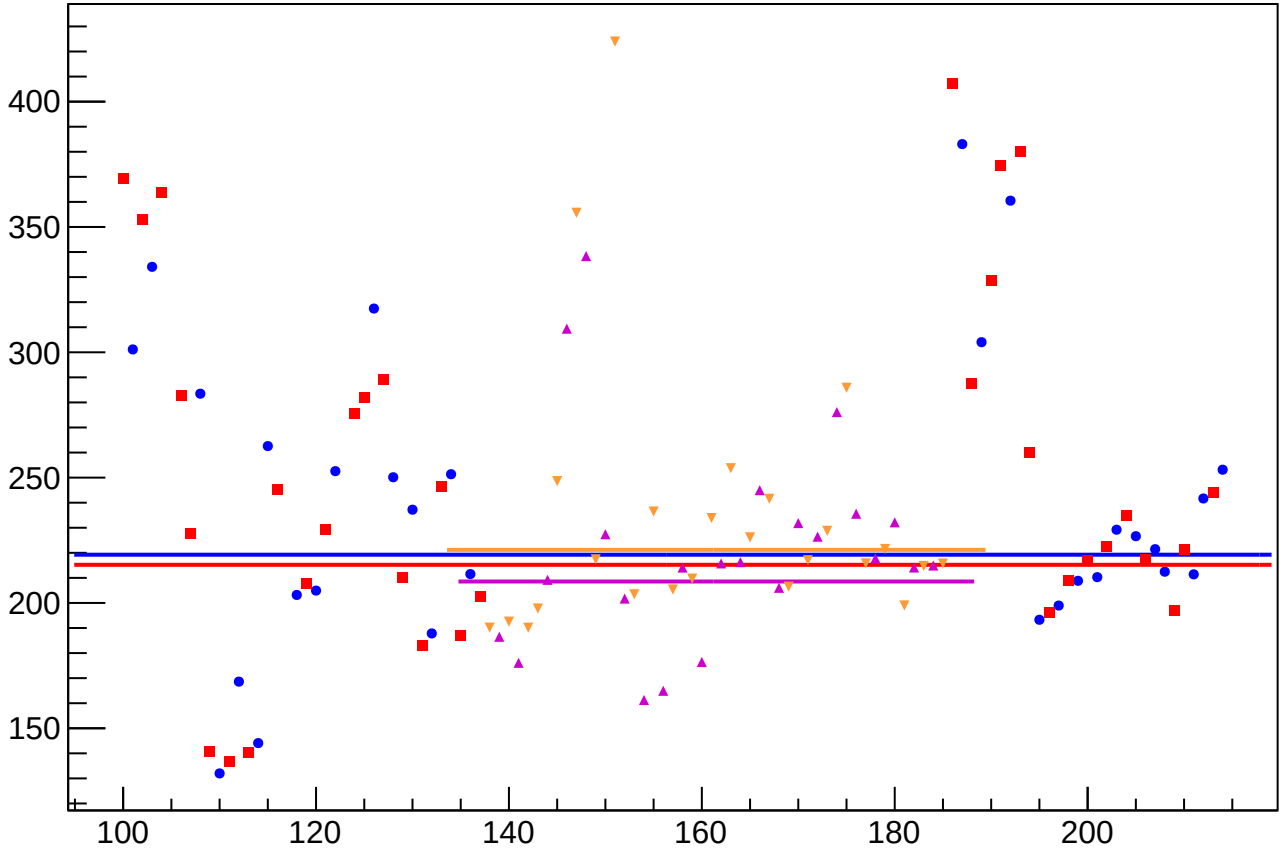
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 491.328+/-36.792 χ^2/NDF: 9104.2/54

All: 220.598+/-25.710 χ^2/NDF: 19555.0/111

- sign -37.753+/-35.941 χ^2/NDF: 10345.0/56

asym_bpm0l05WS_rms vs Slug



Right In: 219.247+/-0.037 χ^2/NDF: 1462626.2/29

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 215.214+/-0.036 χ^2/NDF: 2306420.1/33

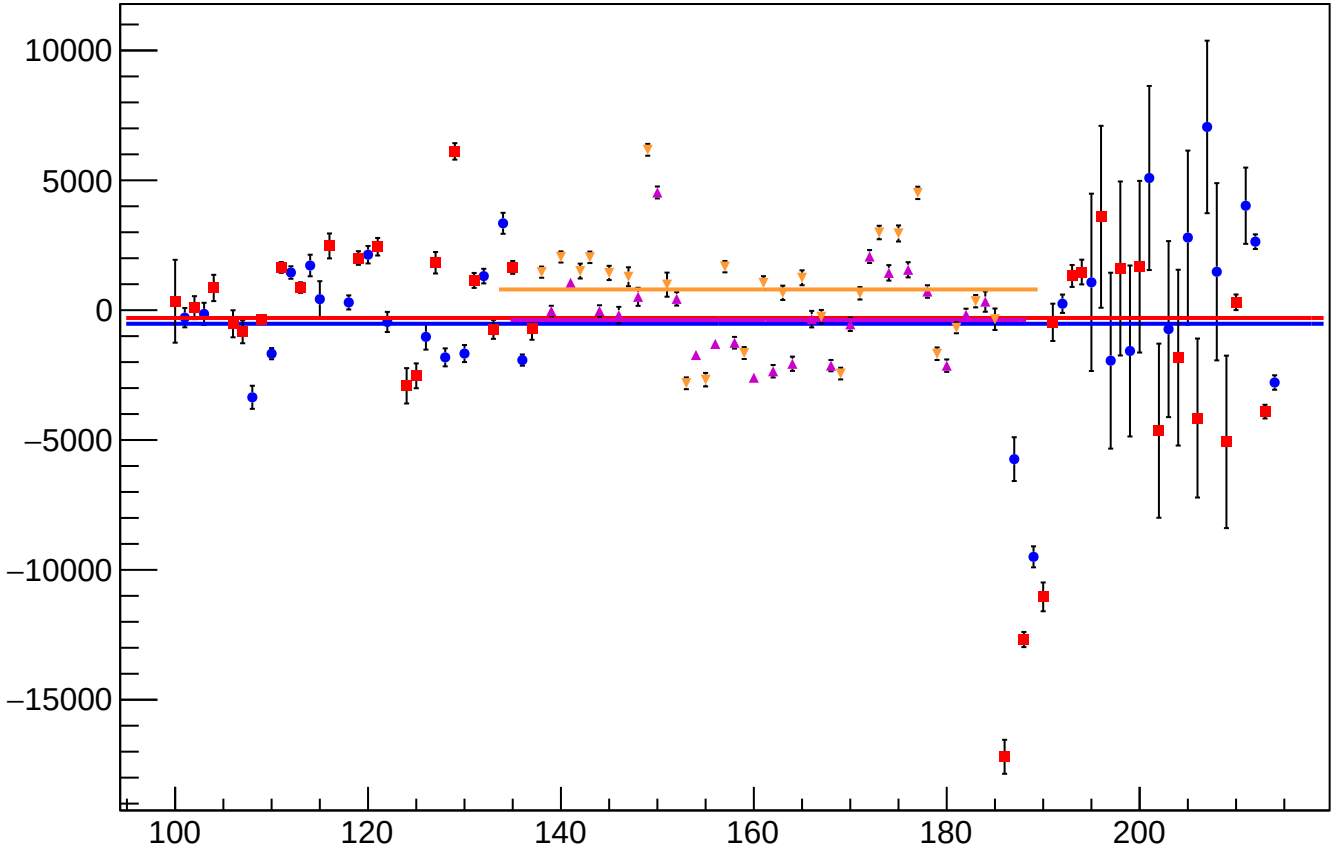
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 220.239+/-0.026 χ^2/NDF: 2403532.8/54

All: 215.921+/-0.018 χ^2/NDF: 5816576.2/11

- sign 211.801+/-0.025 χ^2/NDF: 3359206.8/56

asym_bpm0l06WS_mean vs Slug



Right In: -523.882+/-71.163 χ^2/NDF: 1187.7/29

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -300.625+/-64.397 χ^2/NDF: 3938.0/33

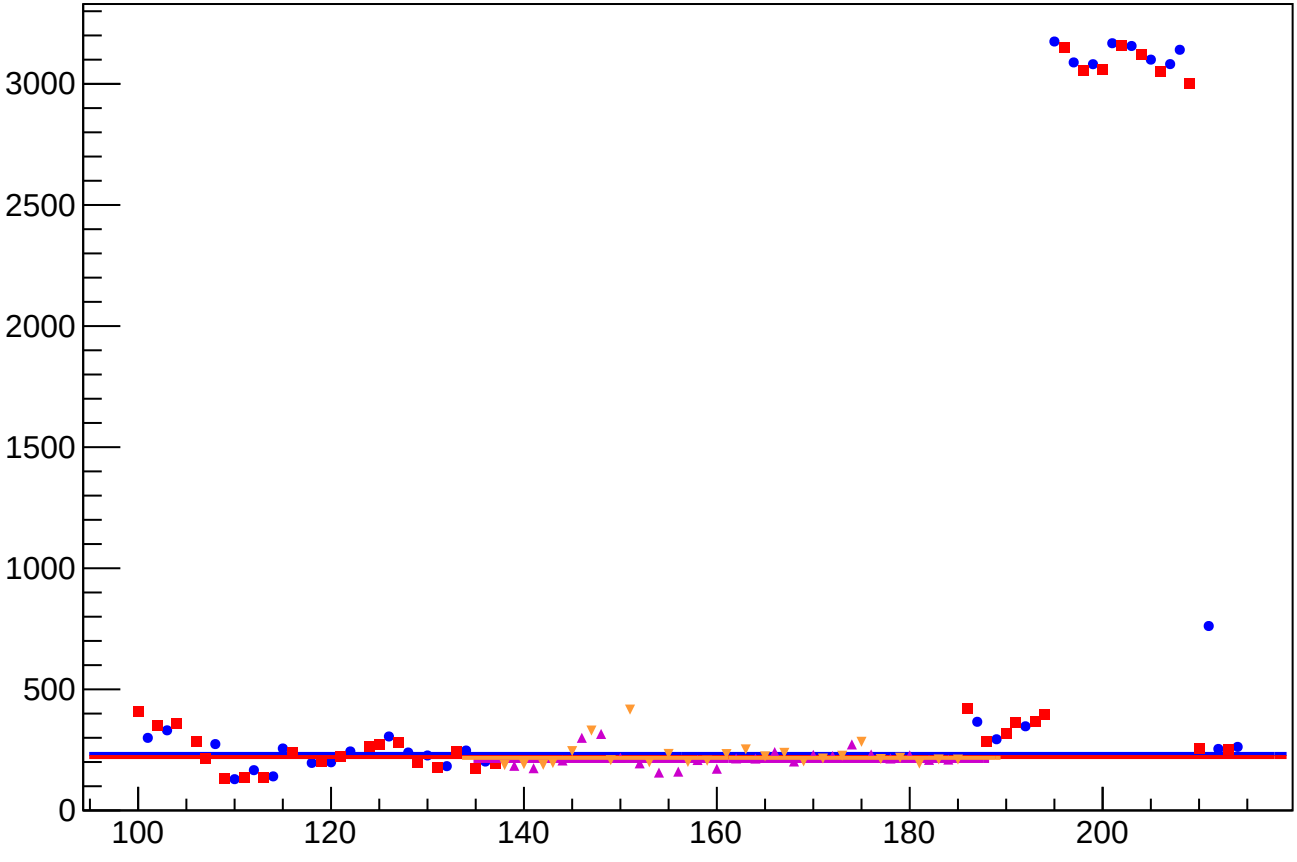
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 354.979+/-41.181 χ^2/NDF: 3377.8/54

All: -16.147+/-28.350 χ^2/NDF: 8672.3/111

- sign -350.491+/-39.087 χ^2/NDF: 5140.2/56

asym_bpm0l06WS_rms vs Slug



Right In: 233.422+/-0.050 χ^2/NDF: 13365618.3/29

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 220.454+/-0.046 χ^2/NDF: 13154602.3/33

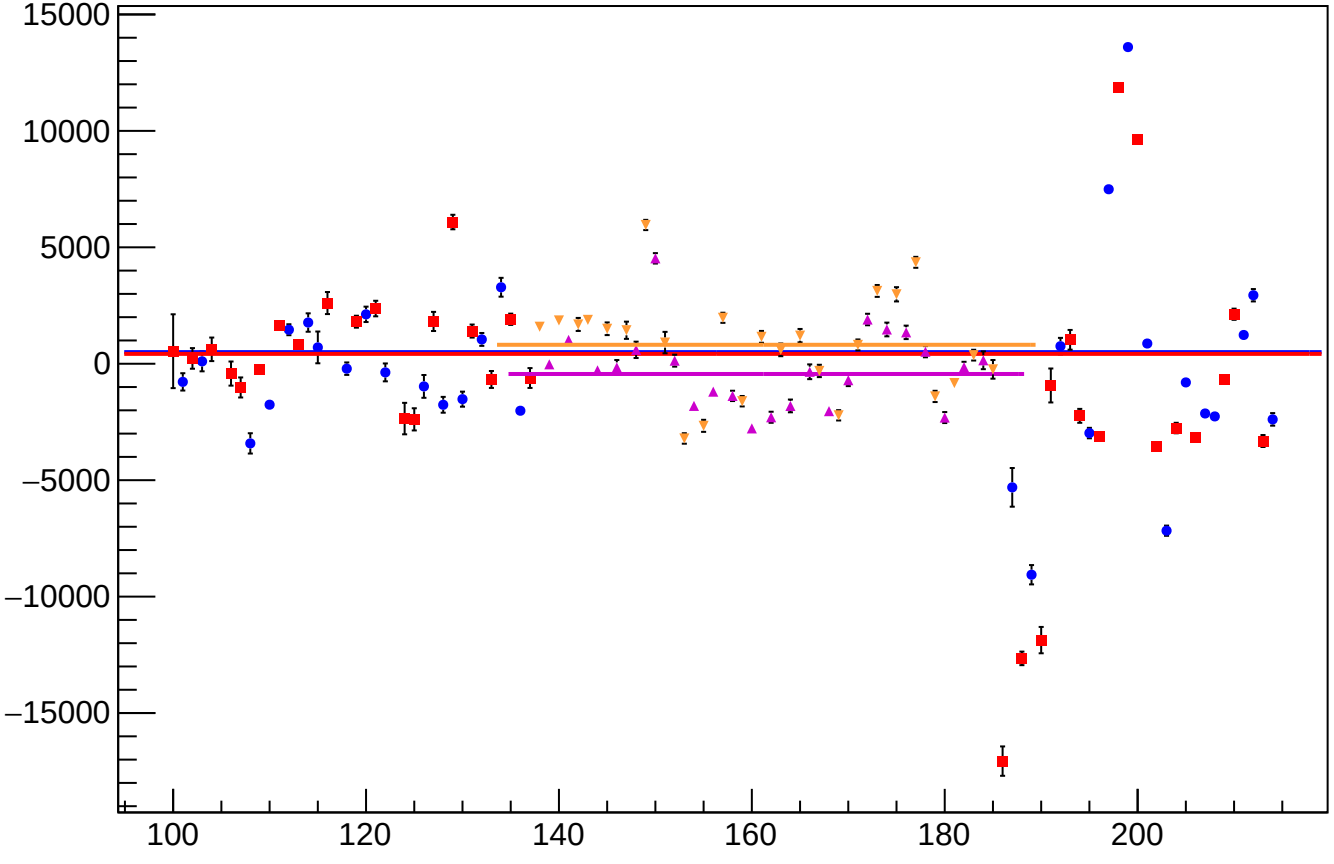
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 222.649+/-0.029 χ^2/NDF: 14344977.4/54

All: 216.129+/-0.020 χ^2/NDF: 28689309.4/11

- sign 210.257+/-0.028 χ^2/NDF: 14249061.0/56

asym_bpm0l07WS_mean vs Slug



Right In: 498.865+/-49.101 χ^2/NDF: 9328.7/29

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 424.170+/-48.036 χ^2/NDF: 10939.2/33

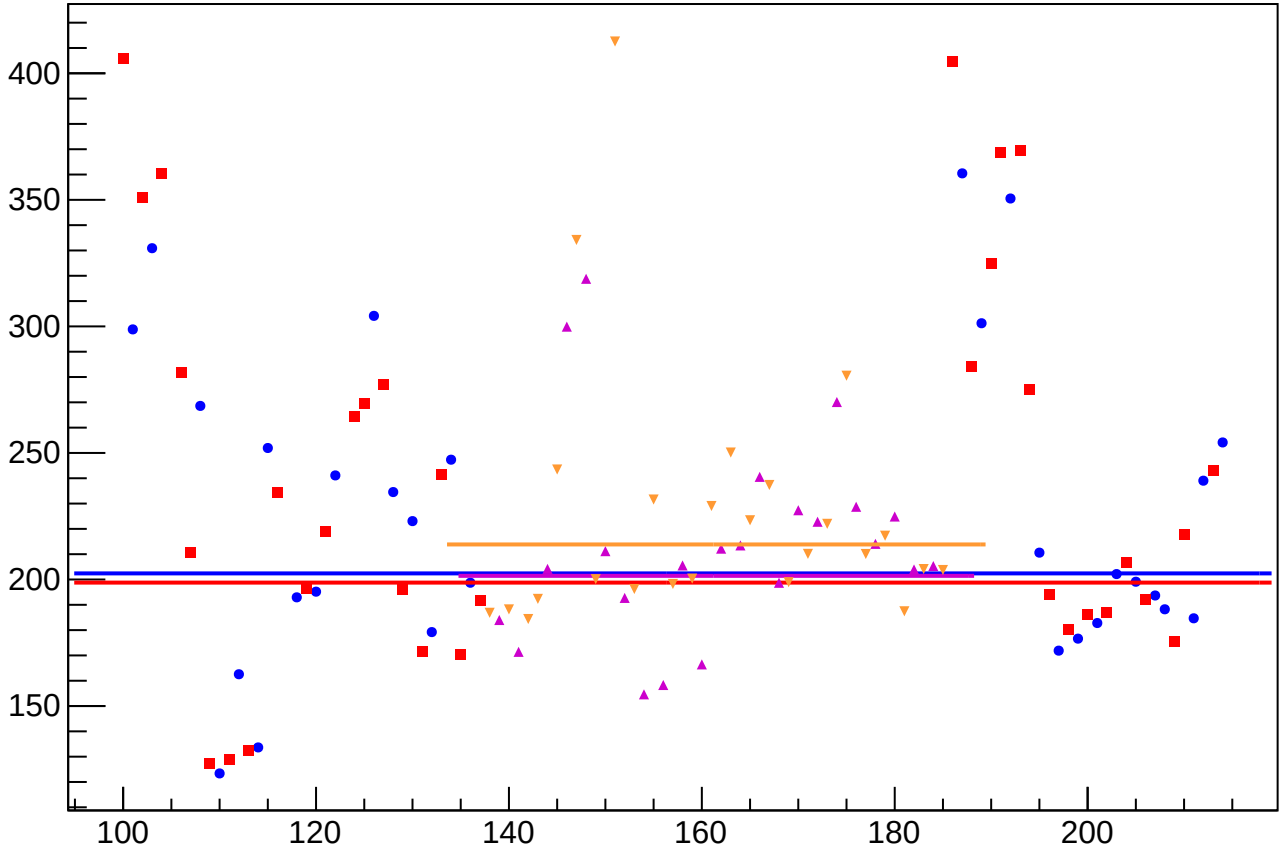
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 654.469+/-34.950 χ^2/NDF: 11349.5/54

All: 317.896+/-24.423 χ^2/NDF: 23864.8/111

- sign -3.286+/-34.142 χ^2/NDF: 12334.2/56

asym_bpm0l07WS_rms vs Slug



Right In: 202.412+/-0.035 χ^2/NDF: 1740250.0/29

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.773+/-0.034 χ^2/NDF: 2740281.9/33

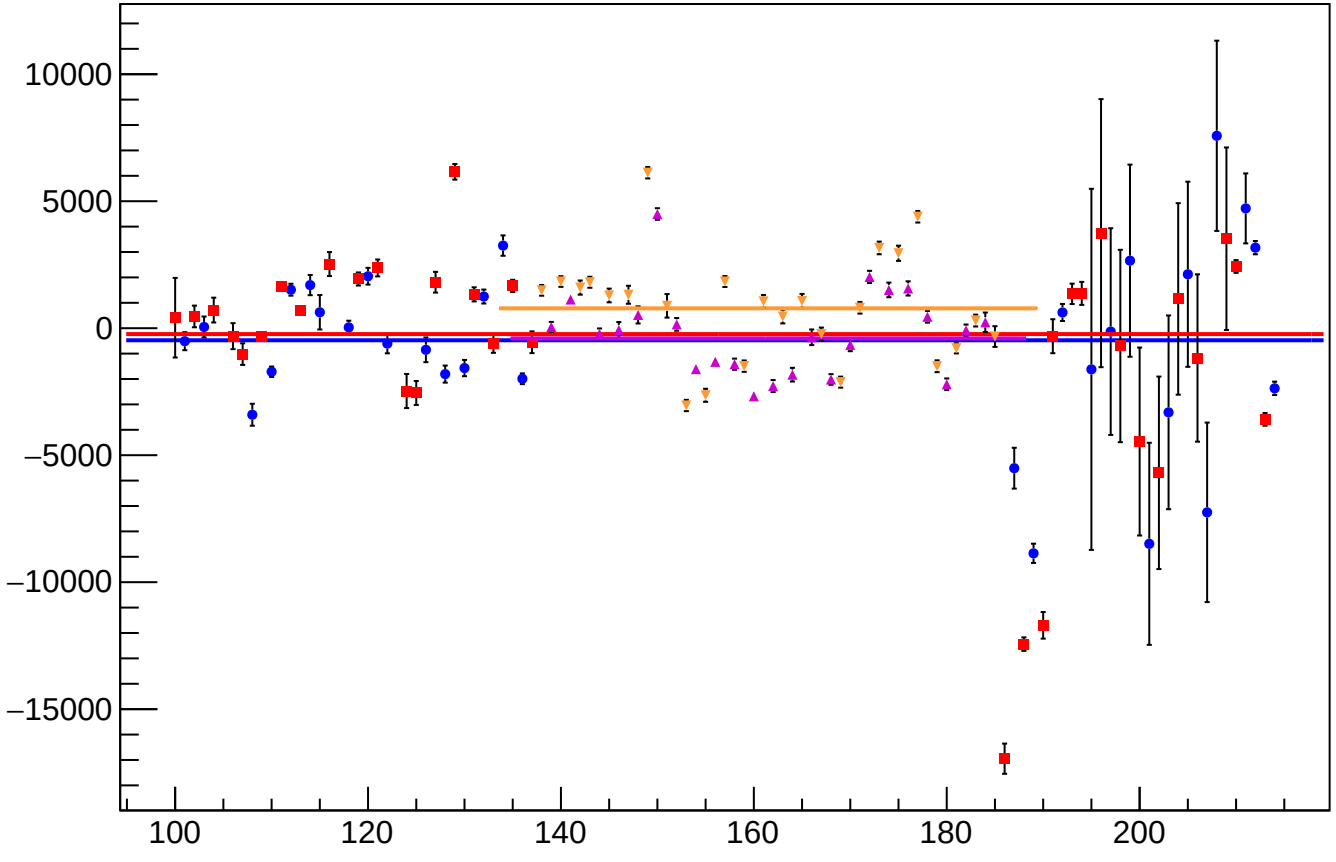
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.054+/-0.025 χ^2/NDF: 2757356.8/54

All: 203.982+/-0.017 χ^2/NDF: 6615734.4/11

- sign 200.096+/-0.024 χ^2/NDF: 3805316.7/56

asym_bpm0l08WS_mean vs Slug



Right In: -475.241+/-68.605 χ^2/NDF: 1272.2/29

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -231.538+/-61.371 χ^2/NDF: 4569.3/33

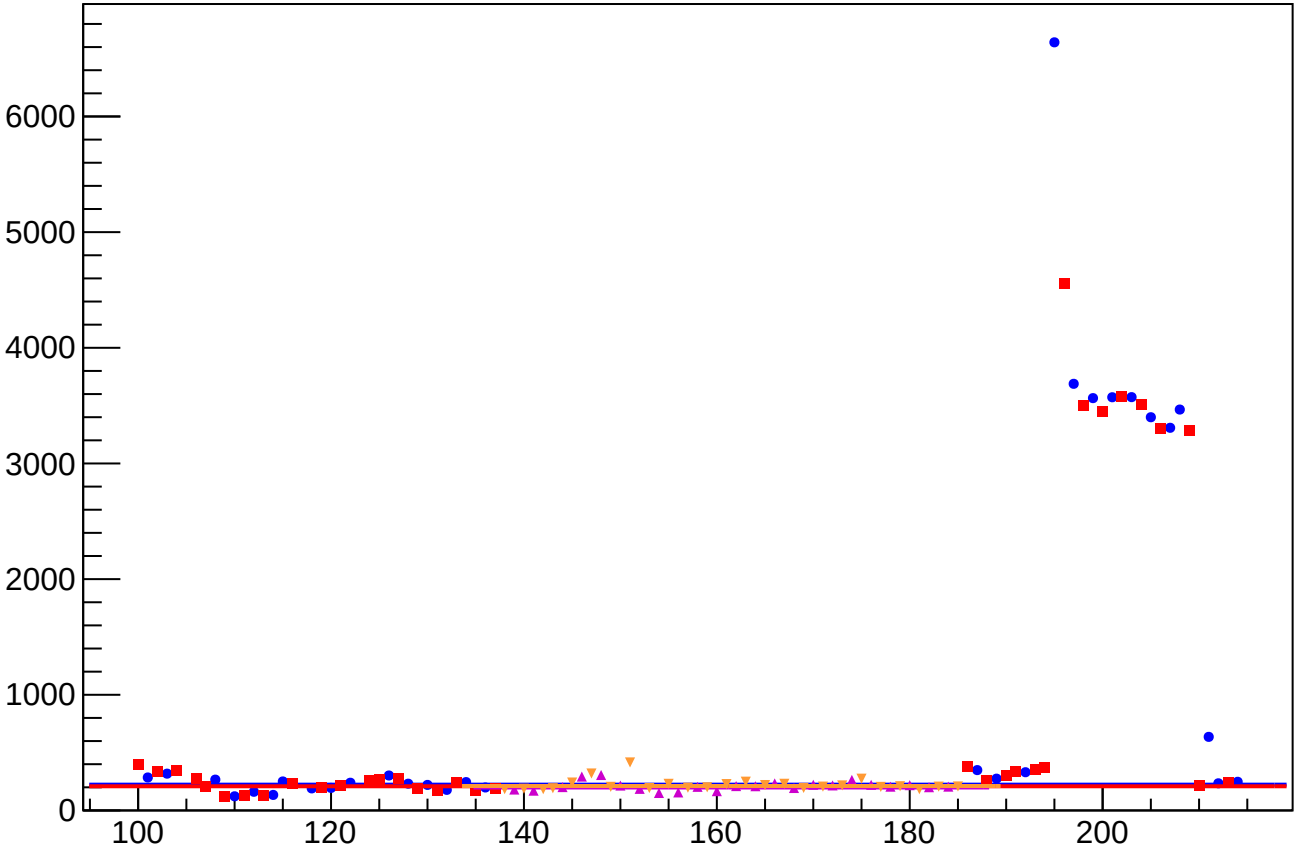
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 355.271+/-39.981 χ^2/NDF: 3495.3/54

All: -10.584+/-27.437 χ^2/NDF: 9459.6/111

- sign -336.235+/-37.720 χ^2/NDF: 5806.0/56

asym_bpm0l08WS_rms vs Slug



Right In: 223.054+/-0.049 χ^2/NDF: 13744801.2/29

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 208.999+/-0.043 χ^2/NDF: 13405309.9/33

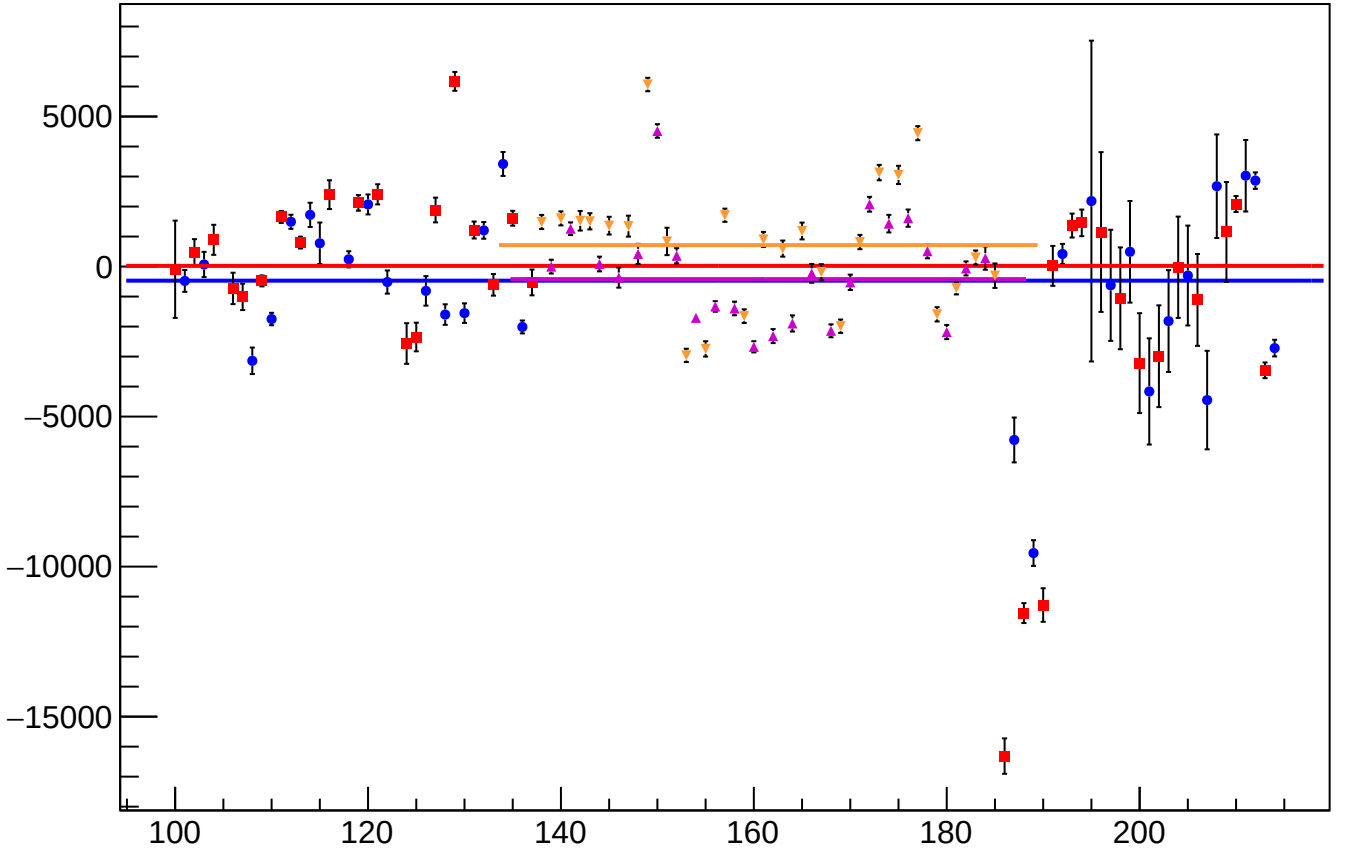
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 215.421+/-0.028 χ^2/NDF: 14717267.3/54

All: 208.575+/-0.019 χ^2/NDF: 29276123.9/11

- sign 202.481+/-0.027 χ^2/NDF: 14448019.2/56

asym_bpm0l09WS_mean vs Slug



Right In: -470.367+/-69.716 χ^2/NDF: 1191.0/29

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 22.994+/-63.028 χ^2/NDF: 3406.3/33

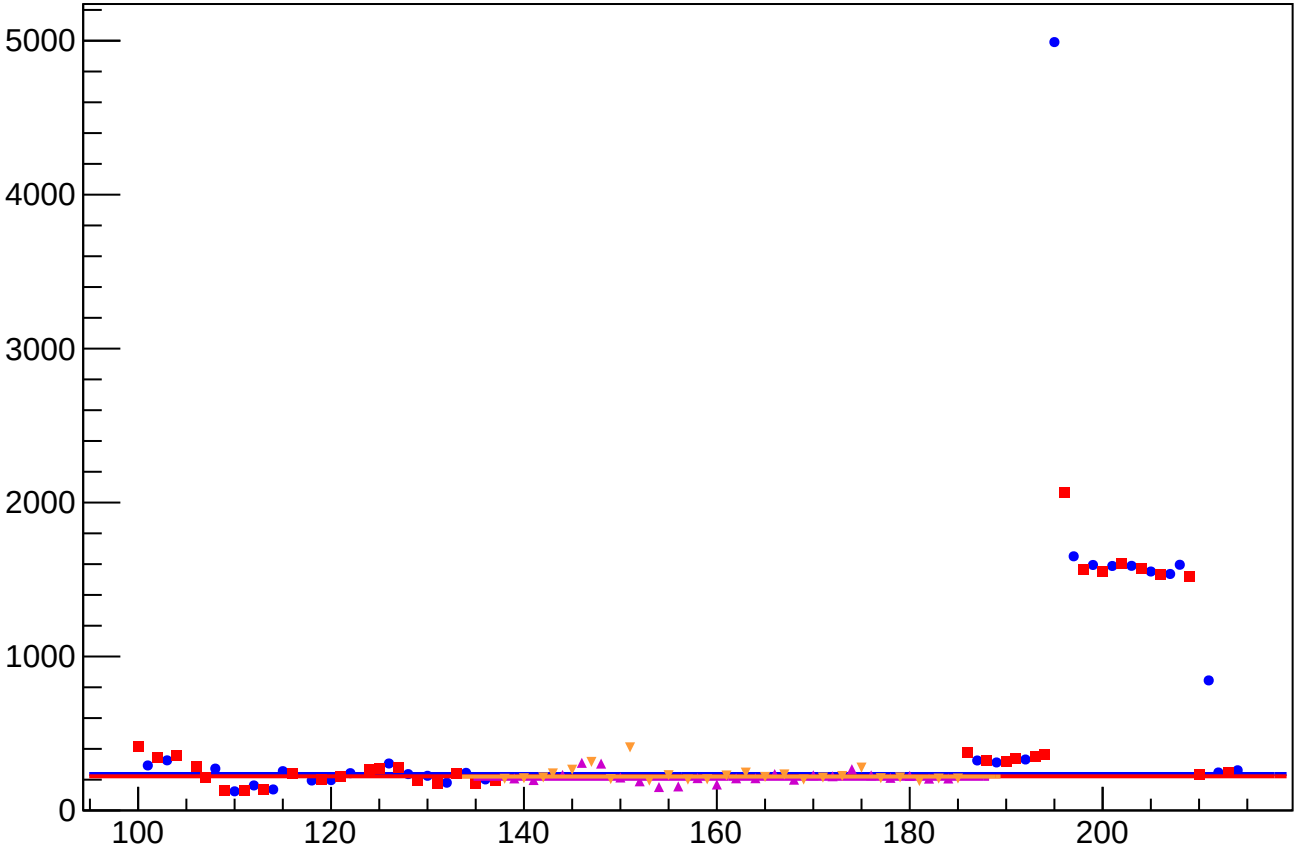
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 301.042+/-41.220 χ^2/NDF: 3297.2/54

All: 9.858+/-28.307 χ^2/NDF: 8069.2/111

- sign -250.020+/-38.941 χ^2/NDF: 4677.6/56

asym_bpm0l09WS_rms vs Slug



Right In: 236.857+/-0.049 χ^2/NDF: 12316990.9/29

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 221.776+/-0.045 χ^2/NDF: 11609825.2/33

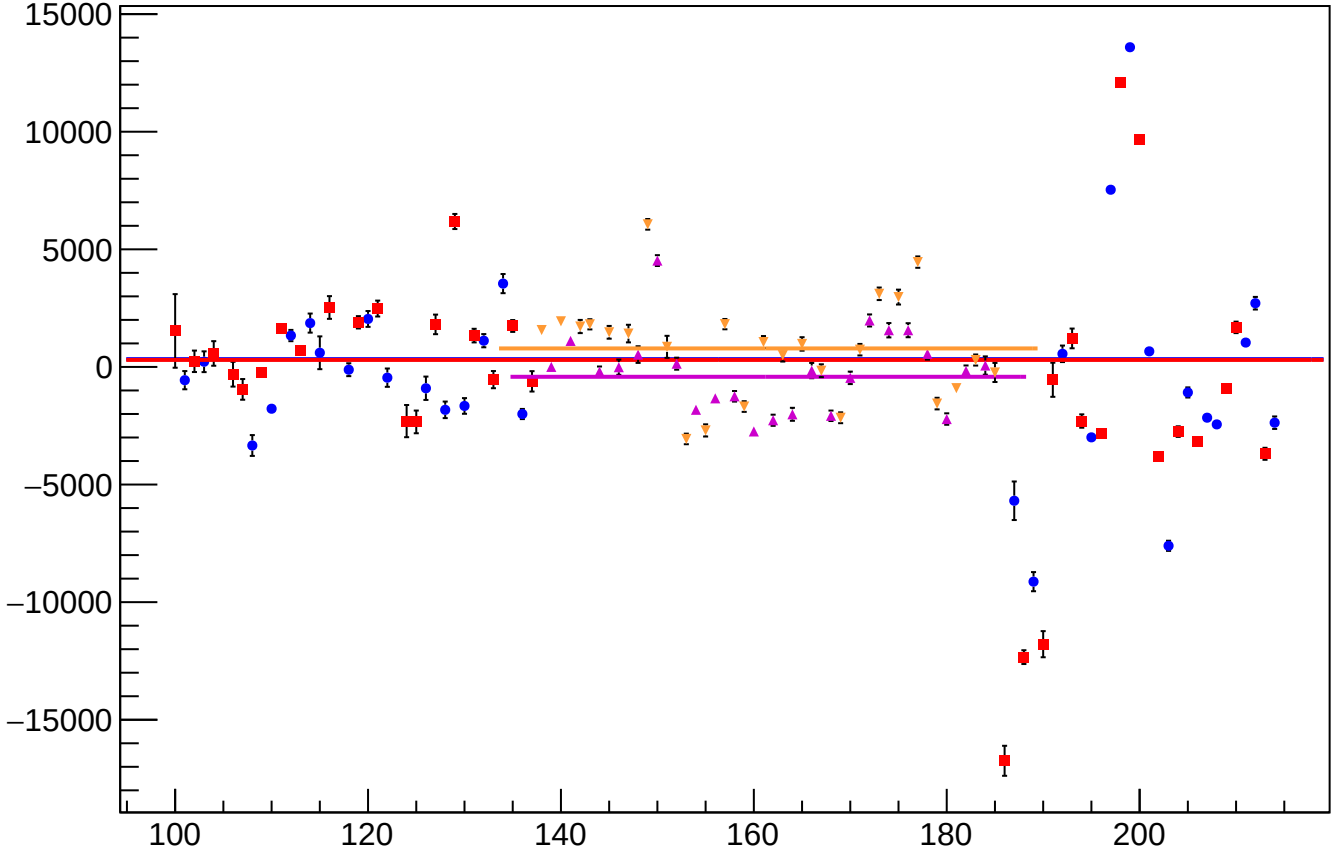
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 225.987+/-0.029 χ^2/NDF: 13191446.1/54

All: 218.439+/-0.020 χ^2/NDF: 26024827.8/11

- sign 211.702+/-0.028 χ^2/NDF: 12706442.2/56

asym_bpm0l10WS_mean vs Slug



Right In: 331.152+/-49.595 χ^2/NDF: 9304.5/29

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 298.942+/-48.780 χ^2/NDF: 10607.2/33

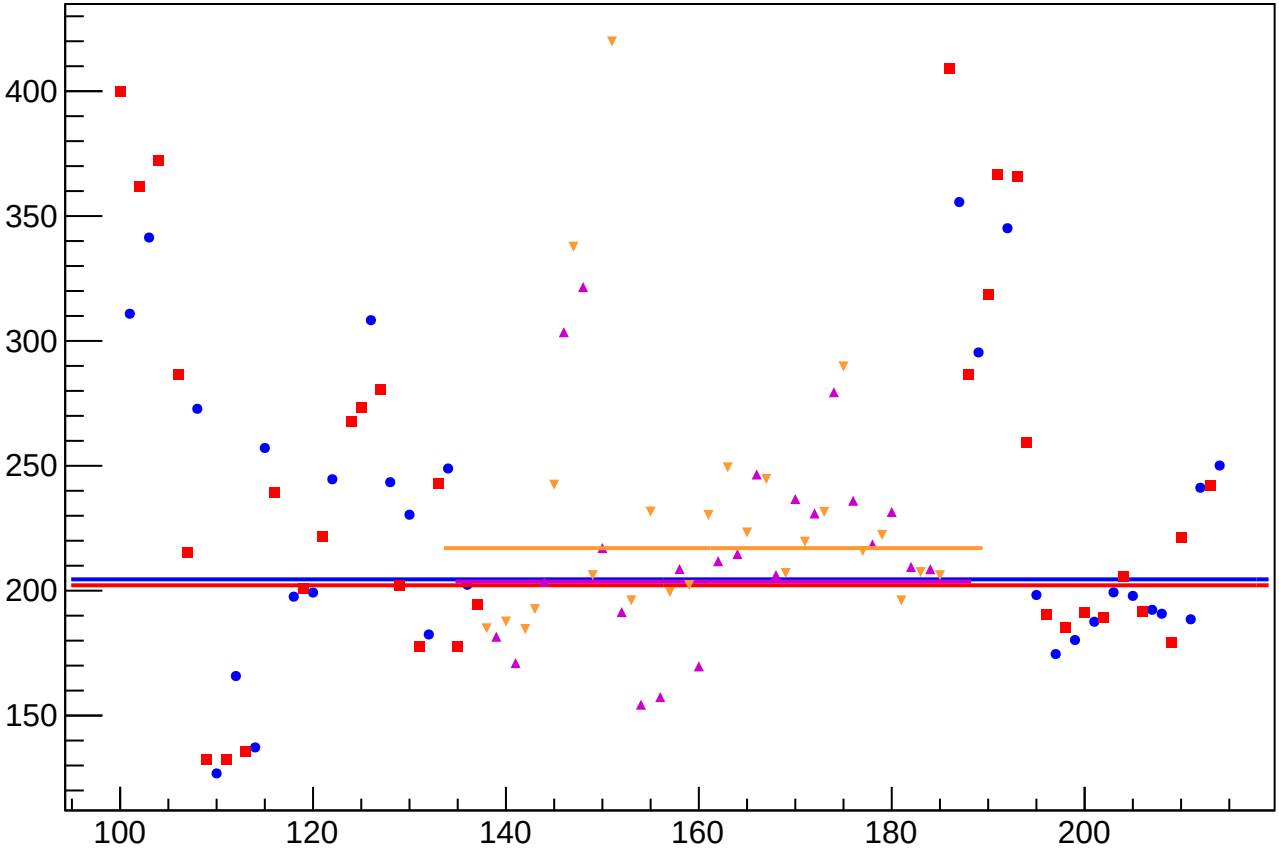
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 554.809+/-35.393 χ^2/NDF: 11283.5/54

All: 242.071+/-24.750 χ^2/NDF: 23361.9/111

- sign -57.214+/-34.623 χ^2/NDF: 11925.6/56

asym_bpm0l10WS_rms vs Slug



Right In: 204.538+/-0.035 χ^2/NDF: 1671294.9/29

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 202.158+/-0.034 χ^2/NDF: 2569589.3/33

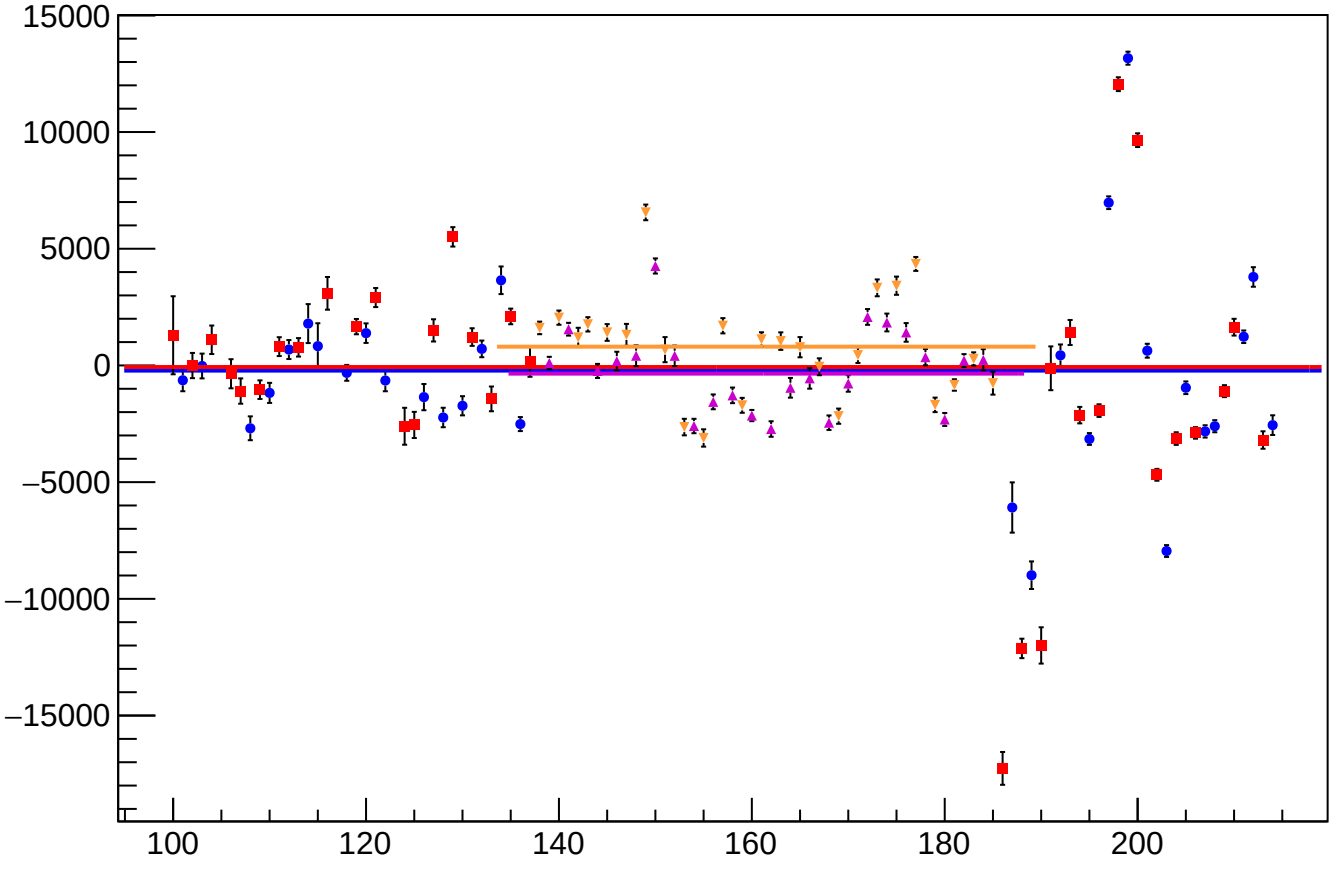
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 210.673+/-0.025 χ^2/NDF: 2716827.1/54

All: 206.703+/-0.018 χ^2/NDF: 6501945.8/11

- sign 202.903+/-0.024 χ^2/NDF: 3735865.0/56

asym_bpm0r03WS_mean vs Slug



Right In: -220.859+/-66.379 χ^2/NDF: 4873.5/29

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -67.927+/-67.408 χ^2/NDF: 5637.4/33

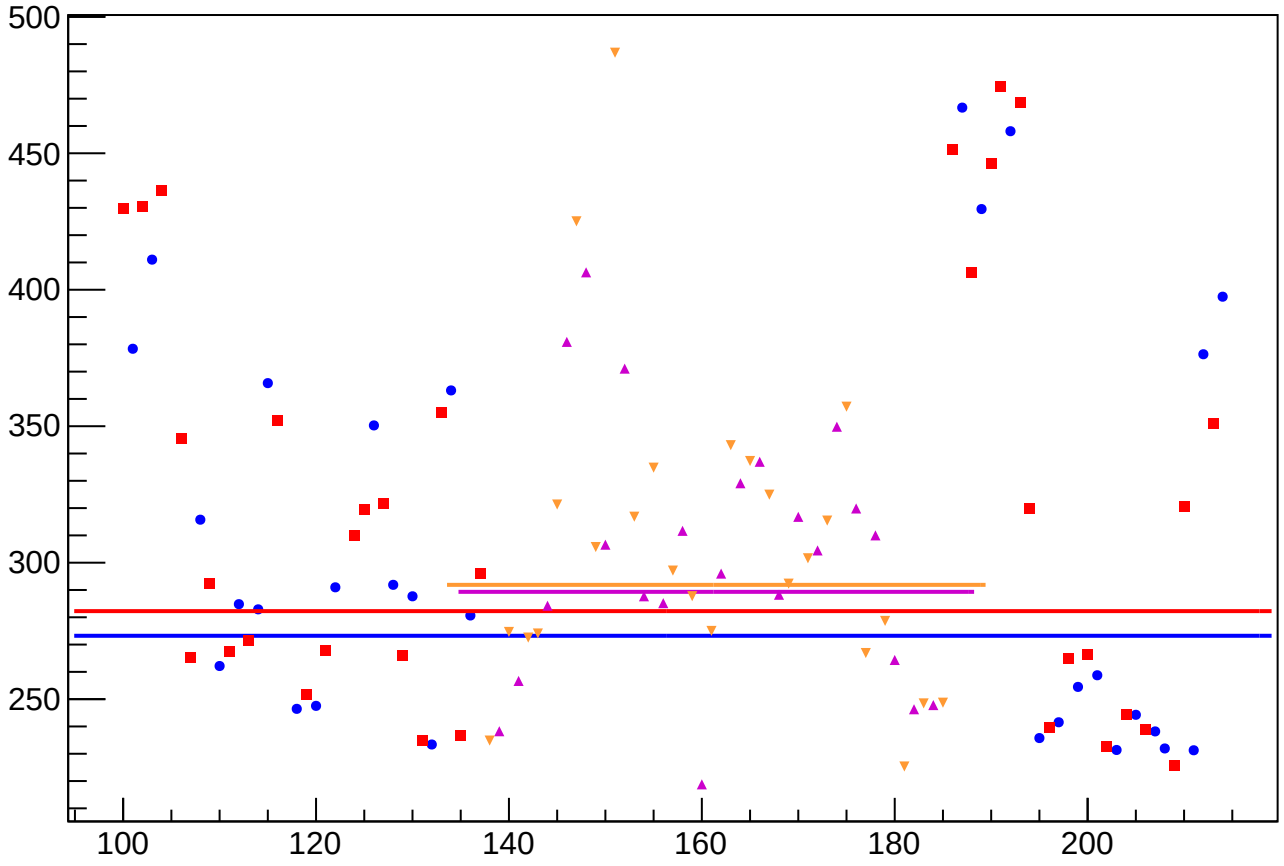
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 281.403+/-47.395 χ^2/NDF: 6048.0/54

All: 41.993+/-33.798 χ^2/NDF: 12402.0/111

- sign -205.750+/-48.212 χ^2/NDF: 6302.0/56

asym_bpm0r03WS_rms vs Slug



Right In: 273.222+/-0.047 χ^2/NDF: 1520339.5/29

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.256+/-0.048 χ^2/NDF: 1654475.5/33

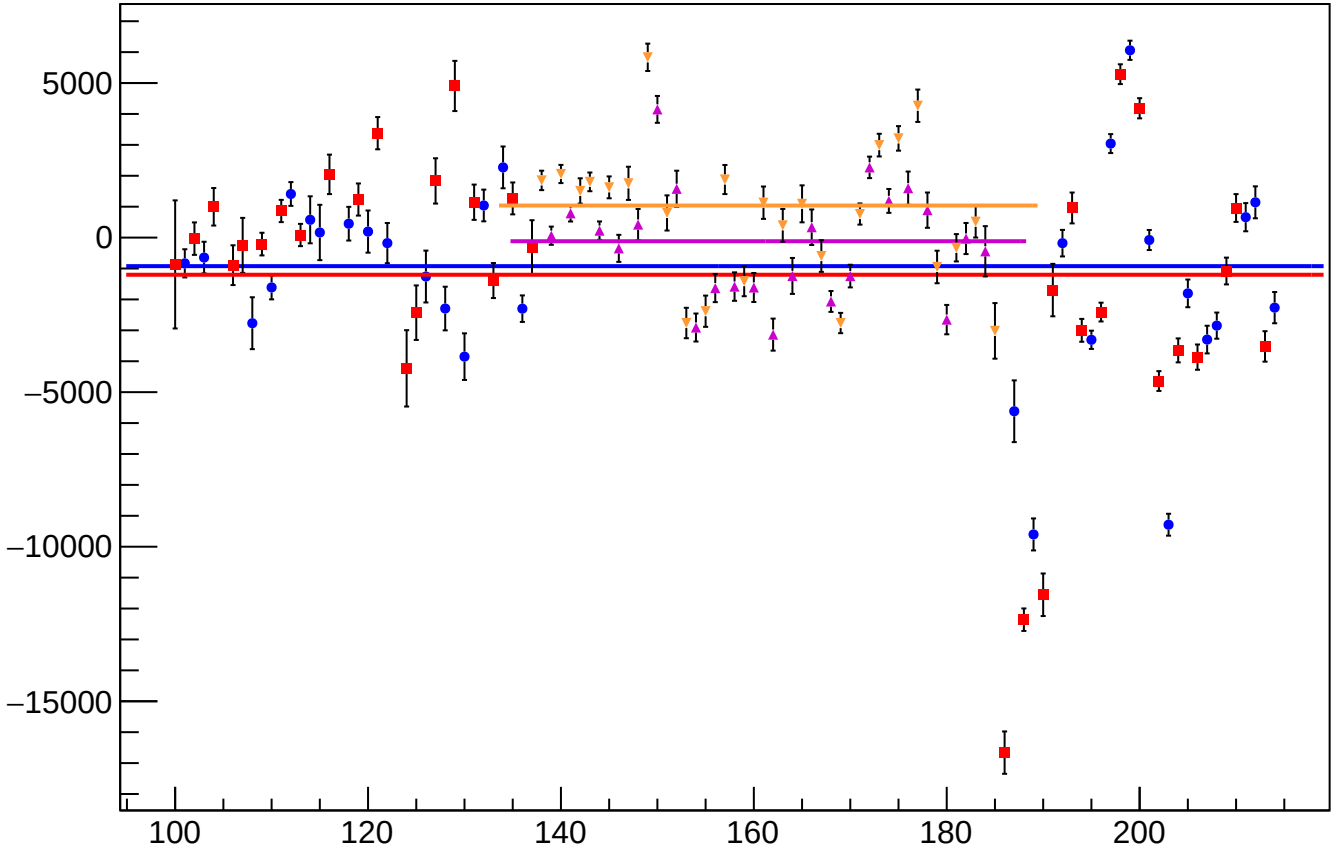
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 282.369+/-0.034 χ^2/NDF: 2557738.7/54

All: 284.009+/-0.024 χ^2/NDF: 5036425.0/11

- sign 285.707+/-0.034 χ^2/NDF: 2473812.4/56

asym_bpm0r05WS_mean vs Slug



Right In: -923.492+/-84.776 χ^2/NDF: 1823.9/29

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1201.700+/-81.436 χ^2/NDF: 2981.9/33

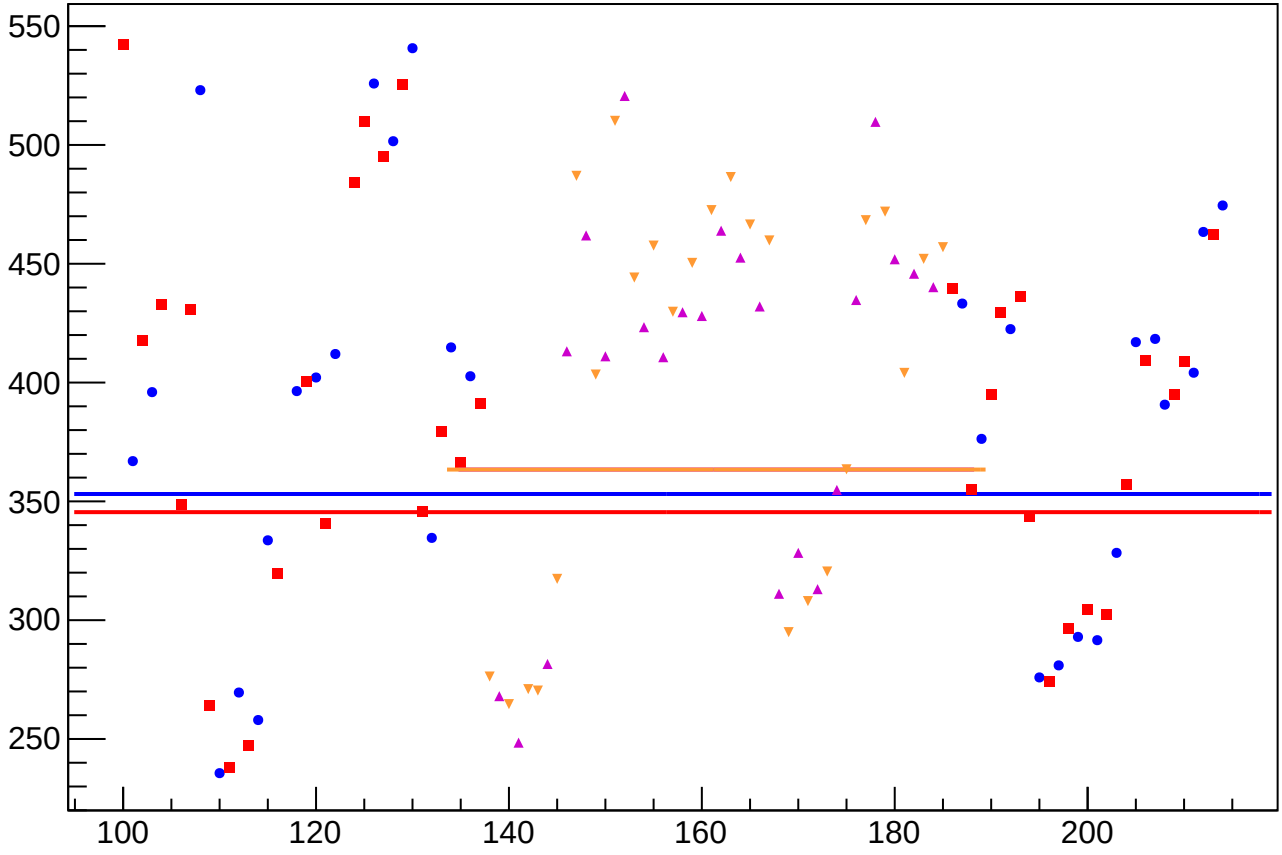
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 52.029+/-60.095 χ^2/NDF: 2660.2/54

All: -326.131+/-42.318 χ^2/NDF: 6173.4/111

- sign -698.091+/-59.600 χ^2/NDF: 3434.6/56

asym_bpm0r05WS_rms vs Slug



Right In: 353.100+/-0.060 χ^2/NDF: 1596052.9/29

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 345.466+/-0.058 χ^2/NDF: 1447483.2/33

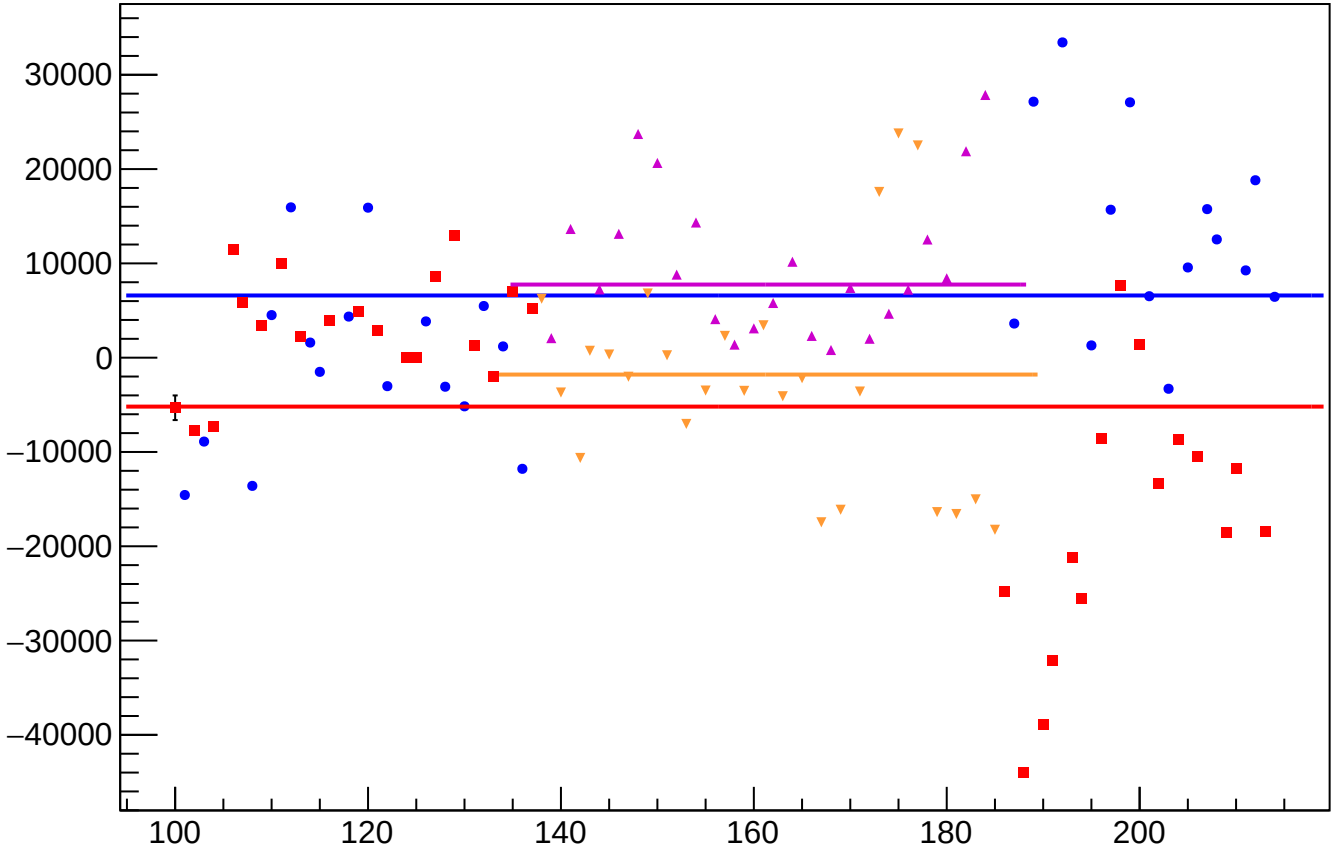
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 358.218+/-0.042 χ^2/NDF: 3551199.8/54

All: 355.984+/-0.030 χ^2/NDF: 6760738.2/11

- sign 353.787+/-0.042 χ^2/NDF: 3204057.9/56

asym_bpm0i02WS_mean vs Slug



Right In: 6596.578+/-39.088 χ^2/NDF: 96694.0/29

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5188.560+/-37.692 χ^2/NDF: 147009.7/33

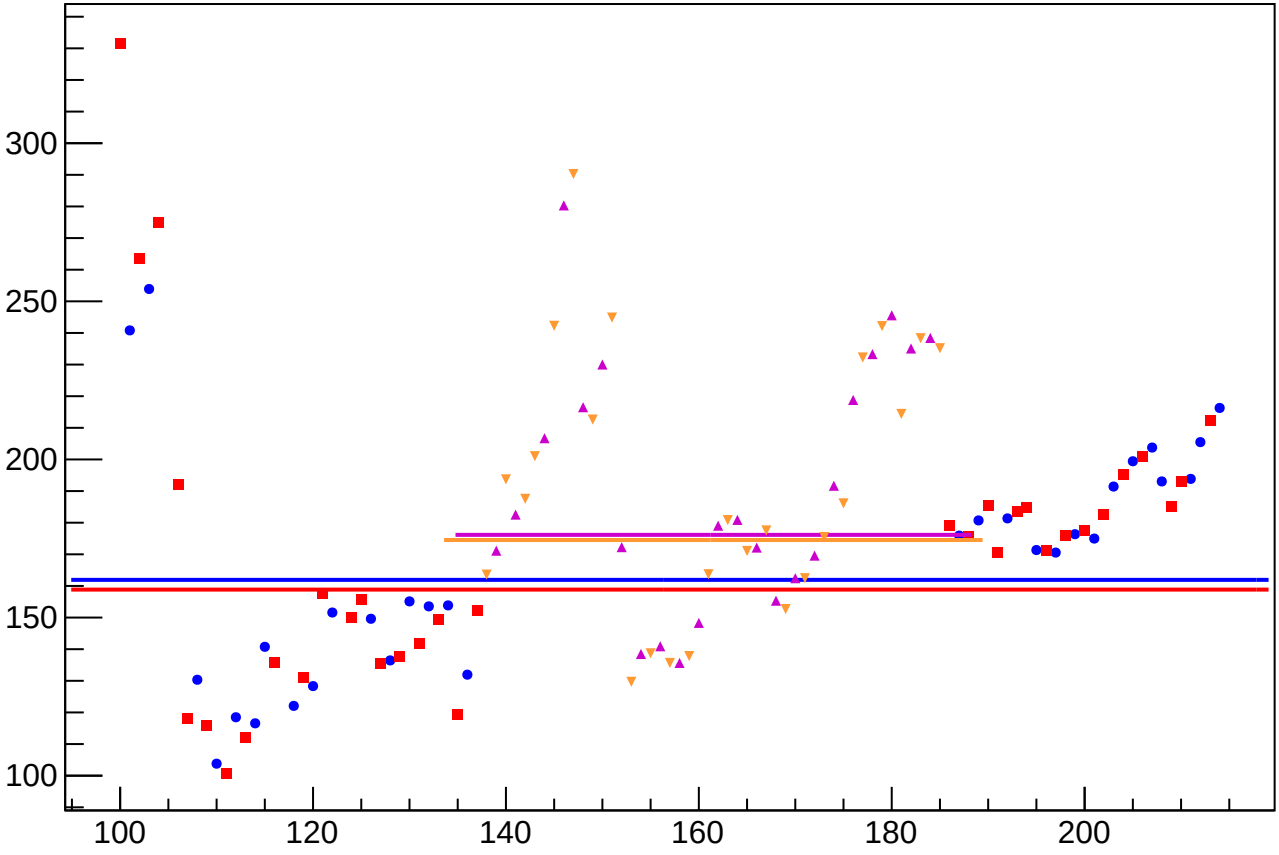
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2594.100+/-28.261 χ^2/NDF: 184410.9/54

All: 1545.046+/-19.969 χ^2/NDF: 409266.9/11

- sign 499.043+/-28.220 χ^2/NDF: 222104.3/56

asym_bpm0i02WS_rms vs Slug



Right In: 161.926+/-0.028 χ^2/NDF: 1540126.4/29

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 158.843+/-0.027 χ^2/NDF: 1829890.9/33

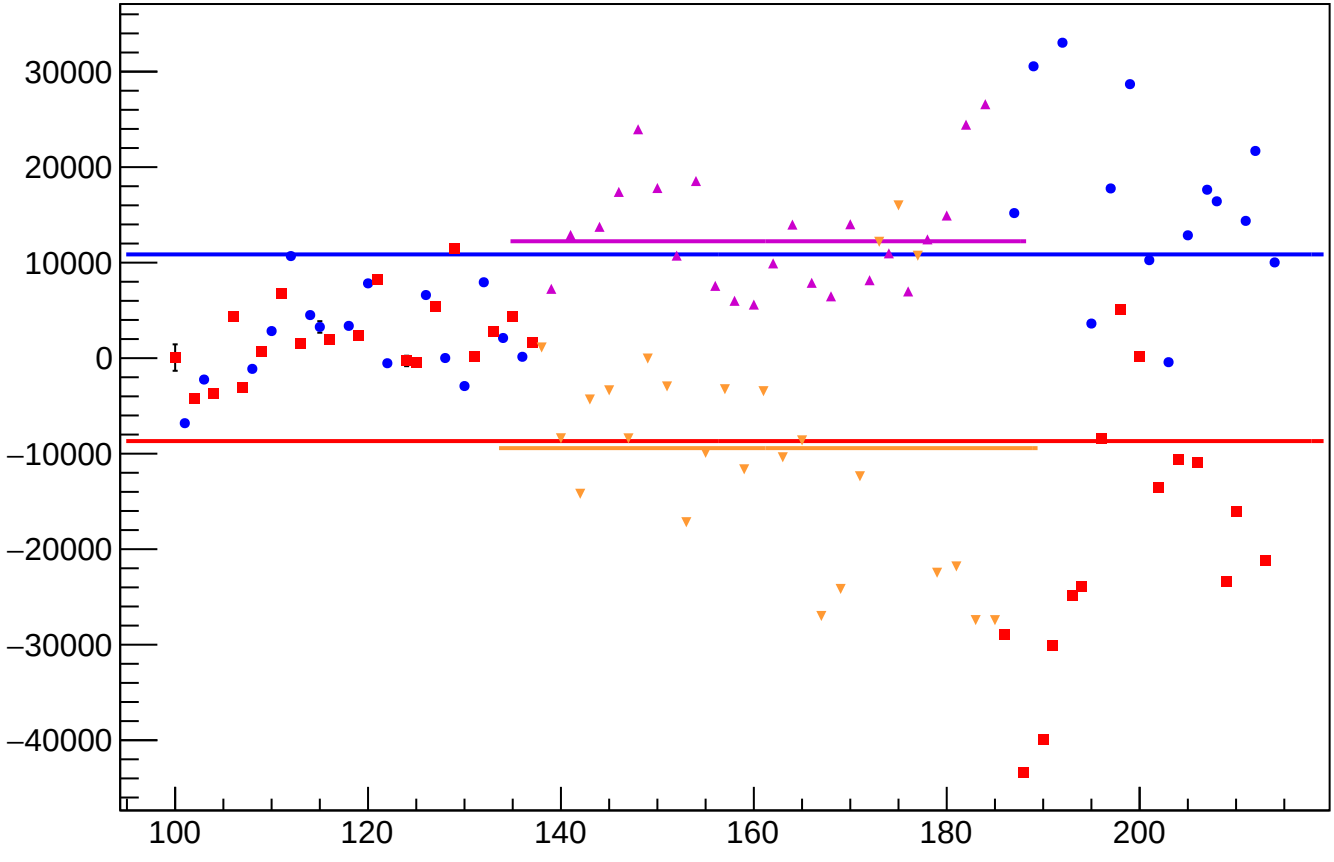
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 167.936+/-0.020 χ^2/NDF: 3298690.5/54

All: 167.192+/-0.014 χ^2/NDF: 6683804.2/11

- sign 166.450+/-0.020 χ^2/NDF: 3382344.4/56

asym_bpm0i02aWS_mean vs Slug



Right In: 10862.691+/-42.875 χ^2/NDF: 56817.7/29

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -8681.920+/-41.350 χ^2/NDF: 118335.7/33

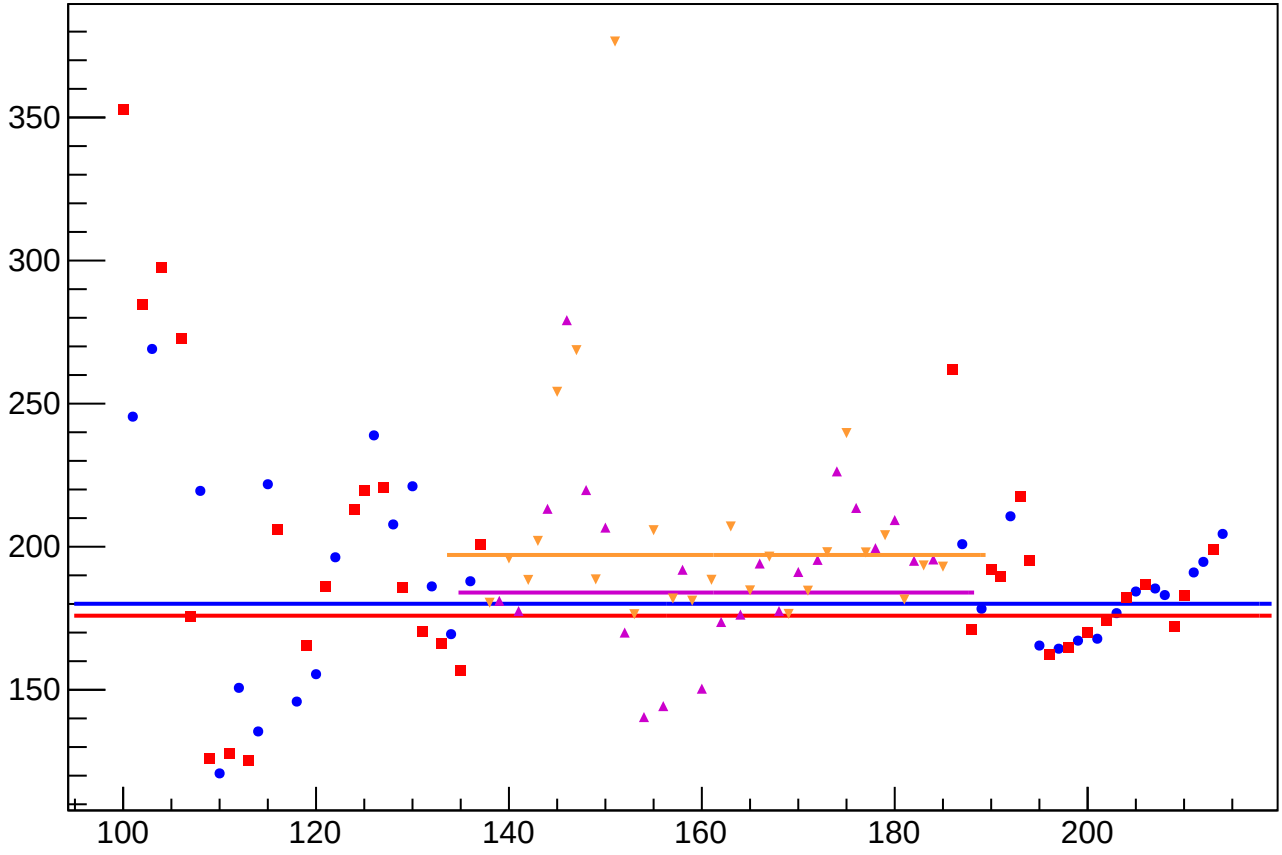
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1367.104+/-31.267 χ^2/NDF: 226309.6/54

All: 1220.350+/-21.720 χ^2/NDF: 480186.1/11

- sign 1083.493+/-30.195 χ^2/NDF: 253833.9/56

asym_bpm0i02aWS_rms vs Slug



Right In: 180.064+/-0.030 χ^2/NDF: 811650.2/29

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 175.898+/-0.029 χ^2/NDF: 1235363.8/33

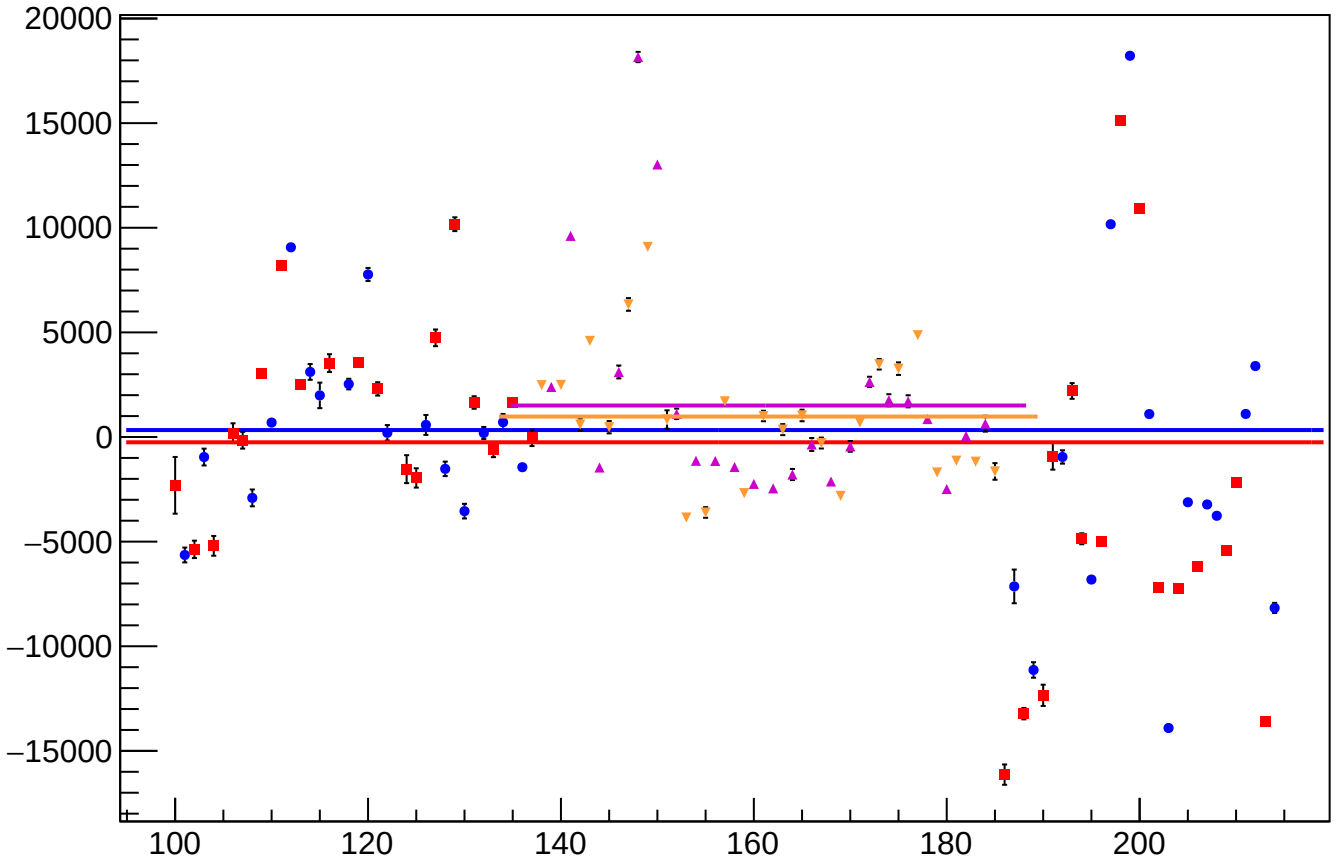
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 188.050+/-0.022 χ^2/NDF: 1692394.0/54

All: 183.715+/-0.015 χ^2/NDF: 3867536.3/11

- sign 179.673+/-0.021 χ^2/NDF: 2100856.6/56

asym_bpm0i05WS_mean vs Slug



Right In: 332.243+/-48.139 χ^2/NDF: 22871.5/29

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -251.866+/-46.515 χ^2/NDF: 25350.0/33

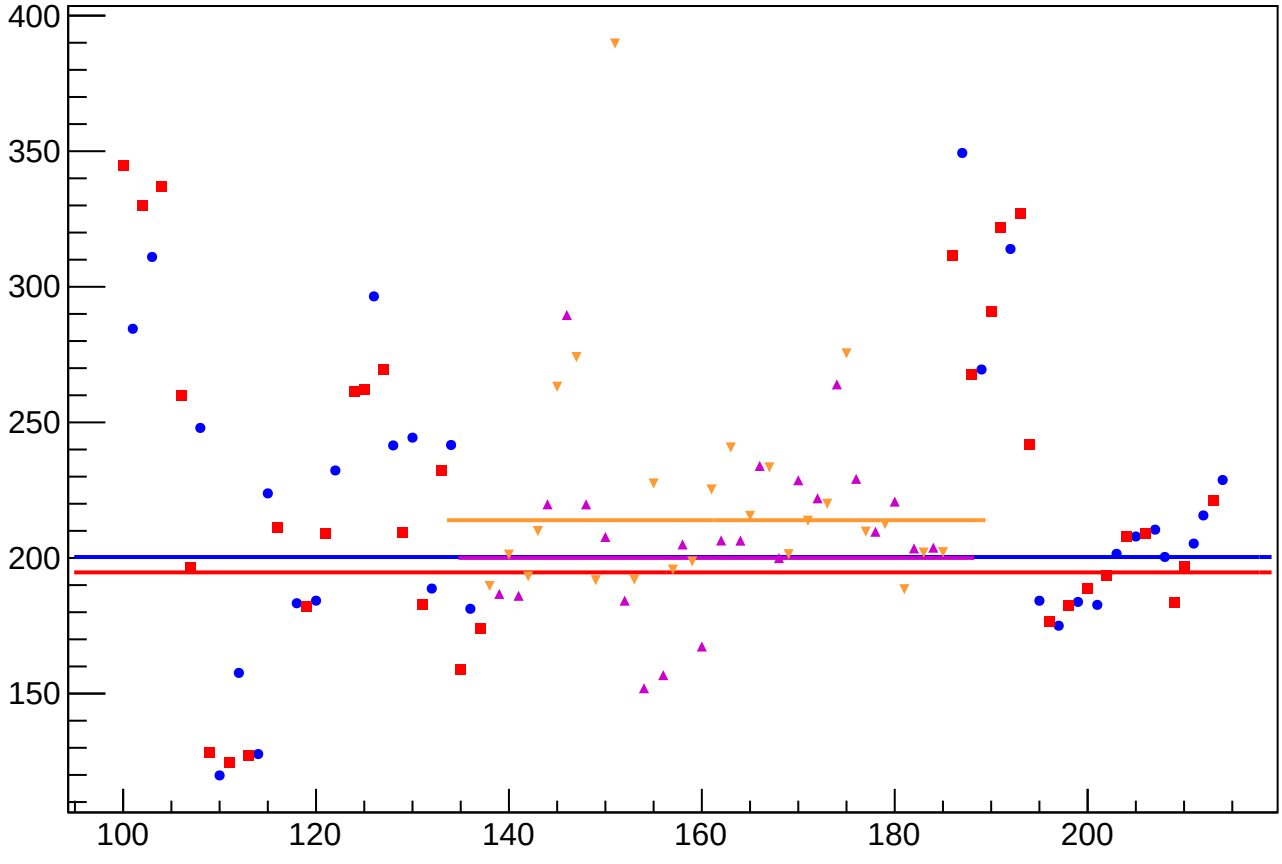
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 645.632+/-34.547 χ^2/NDF: 27281.8/54

All: 621.077+/-24.020 χ^2/NDF: 64803.6/111

- sign 598.096+/-33.421 χ^2/NDF: 37520.8/56

asym_bpm0i05WS_rms vs Slug



Right In: 200.353+/-0.034 χ^2/NDF: 1491922.7/29

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.688+/-0.033 χ^2/NDF: 2286943.6/33

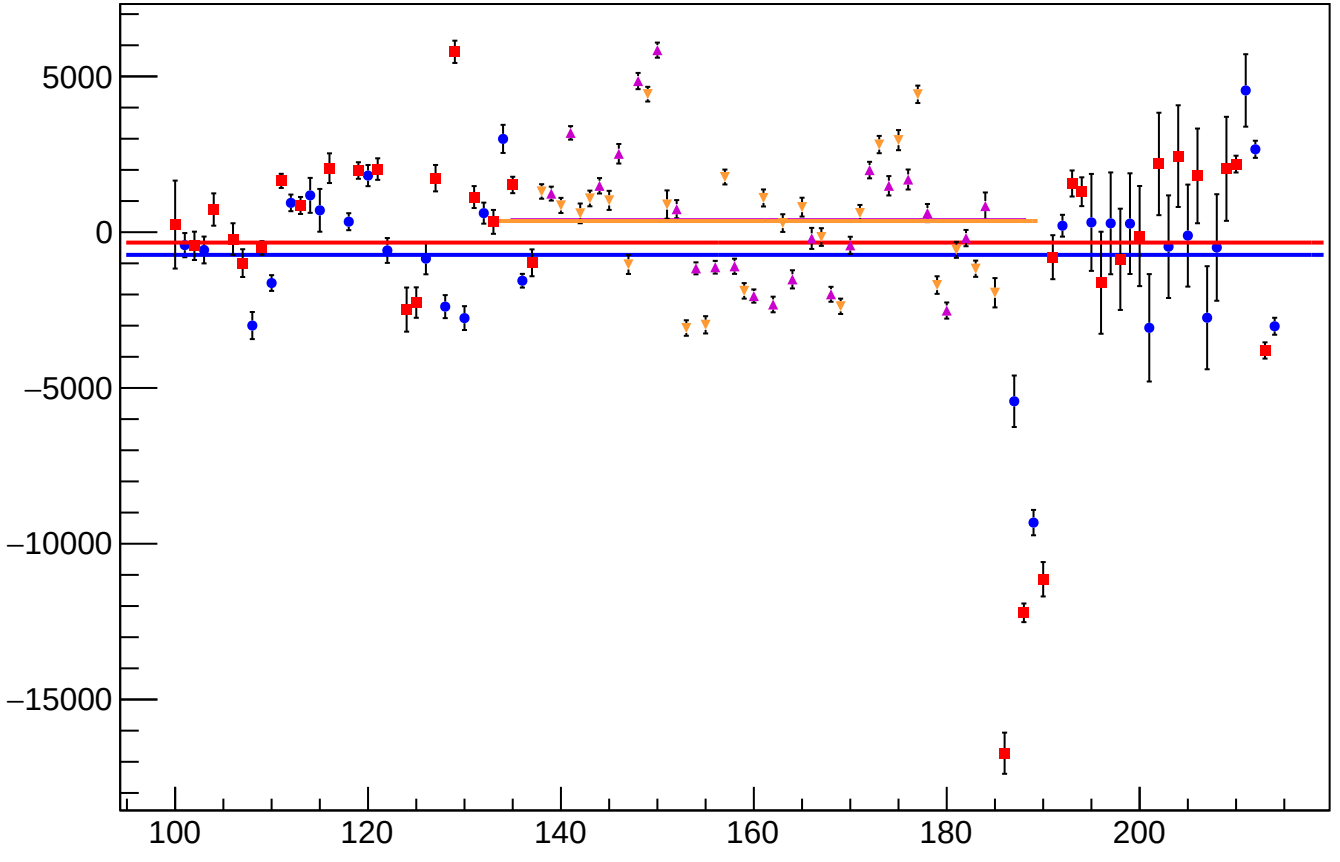
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.938+/-0.024 χ^2/NDF: 2302728.2/54

All: 201.946+/-0.017 χ^2/NDF: 5468829.9/11

- sign 197.273+/-0.024 χ^2/NDF: 3085231.0/56

asym_bpm0i07WS_mean vs Slug



Right In: -728.069+/-74.712 χ^2/NDF: 1046.7/29

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -333.443+/-68.540 χ^2/NDF: 3542.8/33

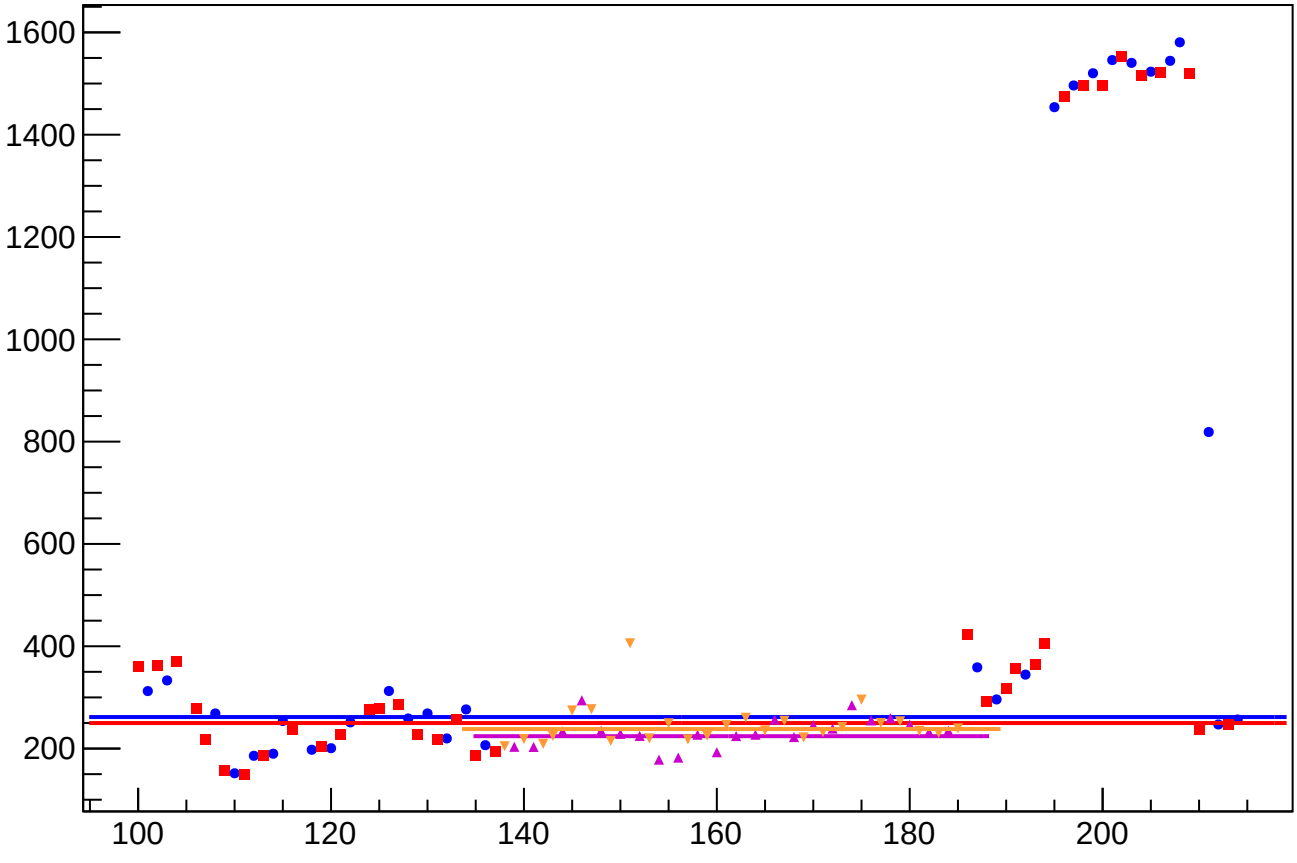
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

\+ sign -23.196+/-44.288 χ^2/NDF: 2602.8/54

All: 48.744+/-30.547 χ^2/NDF: 8023.4/111

\- sign 114.021+/-42.187 χ^2/NDF: 5415.6/56

asym_bpm0i07WS_rms vs Slug



Right In: 261.598+/-0.053 χ^2/NDF: 11059651.0/29

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 249.916+/-0.048 χ^2/NDF: 10529954.1/33

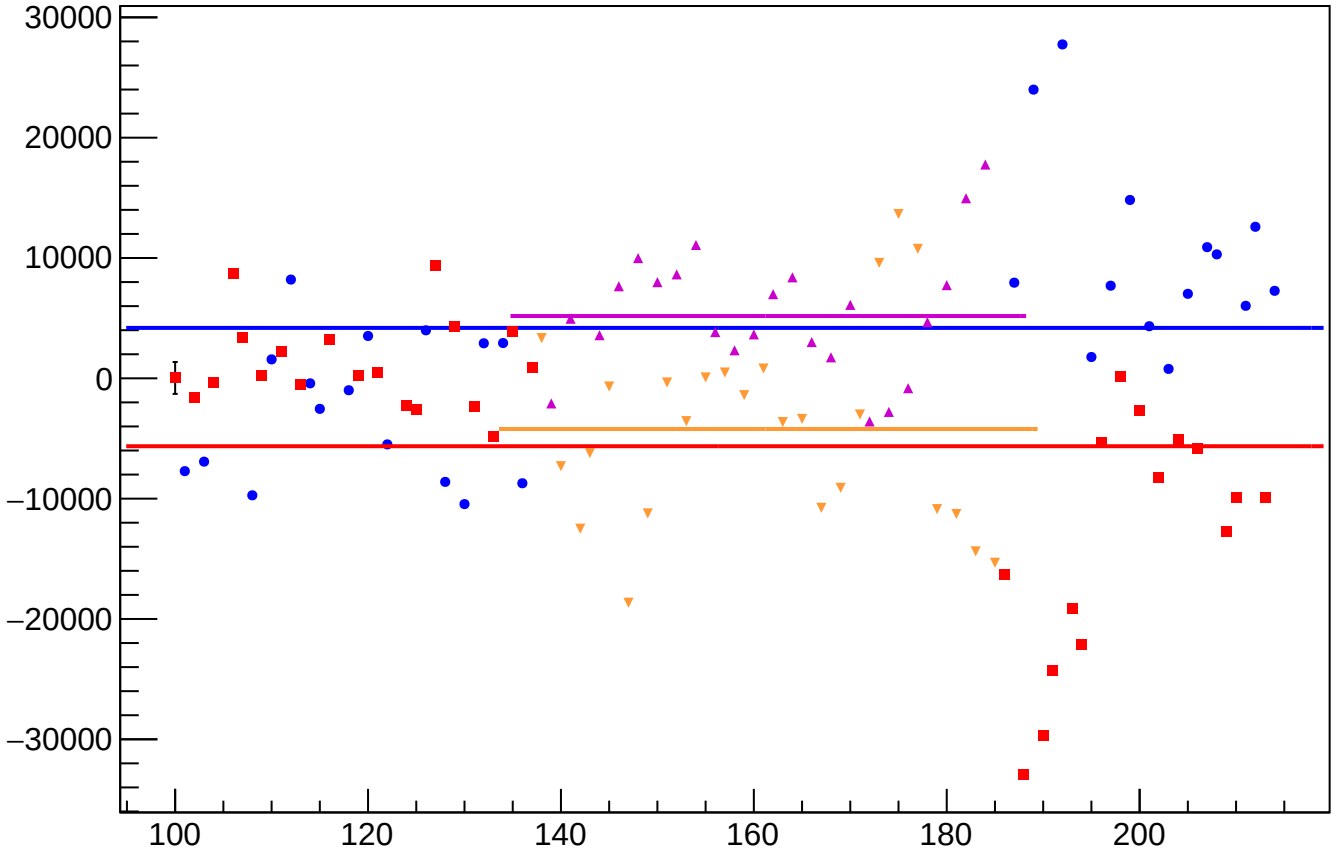
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 246.422+/-0.031 χ^2/NDF: 11754828.7/54

All: 239.883+/-0.022 χ^2/NDF: 23105879.6/11

- sign 233.950+/-0.030 χ^2/NDF: 11267900.8/56

asym_bpm1i02WS_mean vs Slug



Right In: 4191.536+/-33.190 χ^2/NDF: 81729.5/29

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5643.449+/-31.831 χ^2/NDF: 105828.2/33

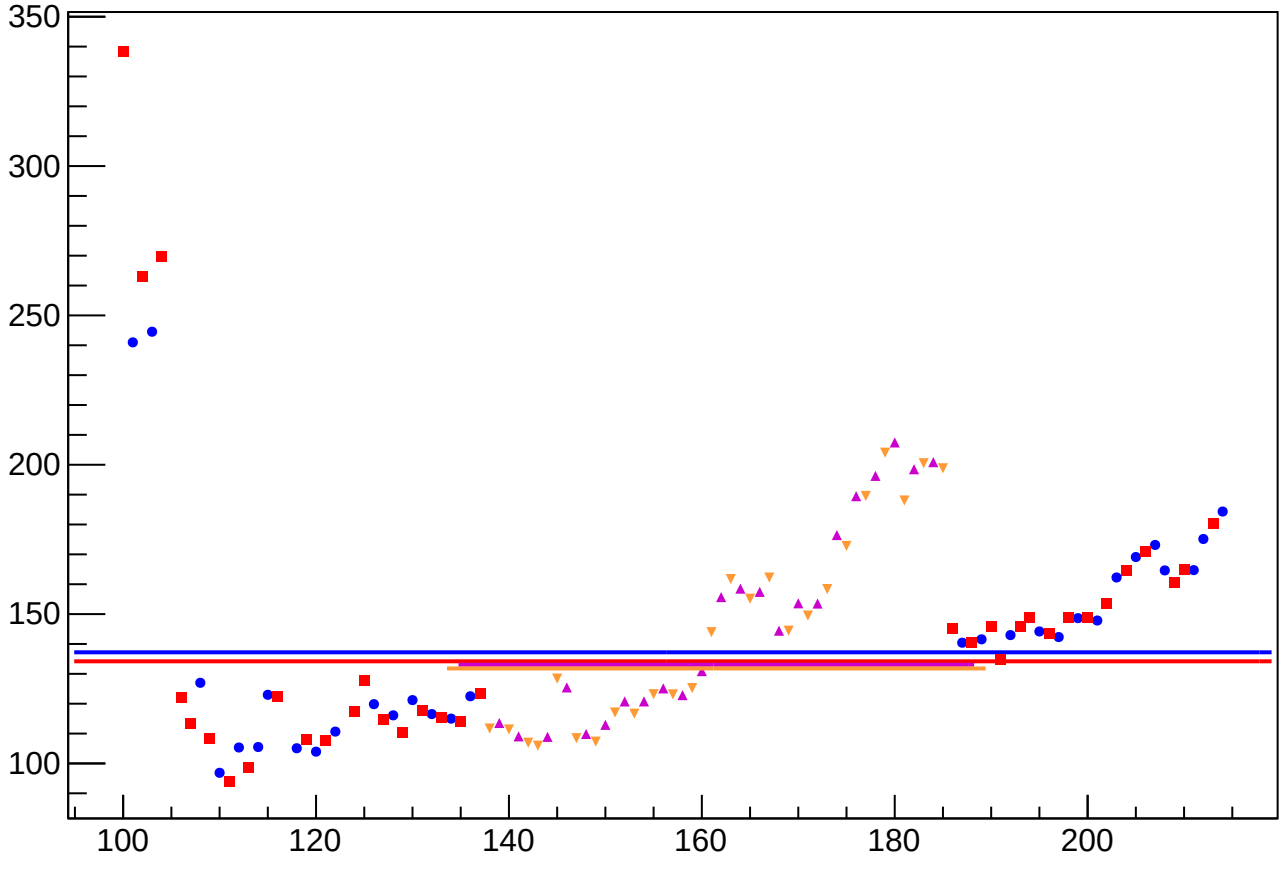
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -319.055+/-22.588 χ^2/NDF: 172936.6/54

All: -287.514+/-15.961 χ^2/NDF: 354849.8/11

- sign -256.059+/-22.557 χ^2/NDF: 181909.4/56

asym_bpm1i02WS_rms vs Slug



Right In: 137.208+/-0.023 χ^2/NDF: 1543572.8/29

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 134.194+/-0.023 χ^2/NDF: 1687957.6/33

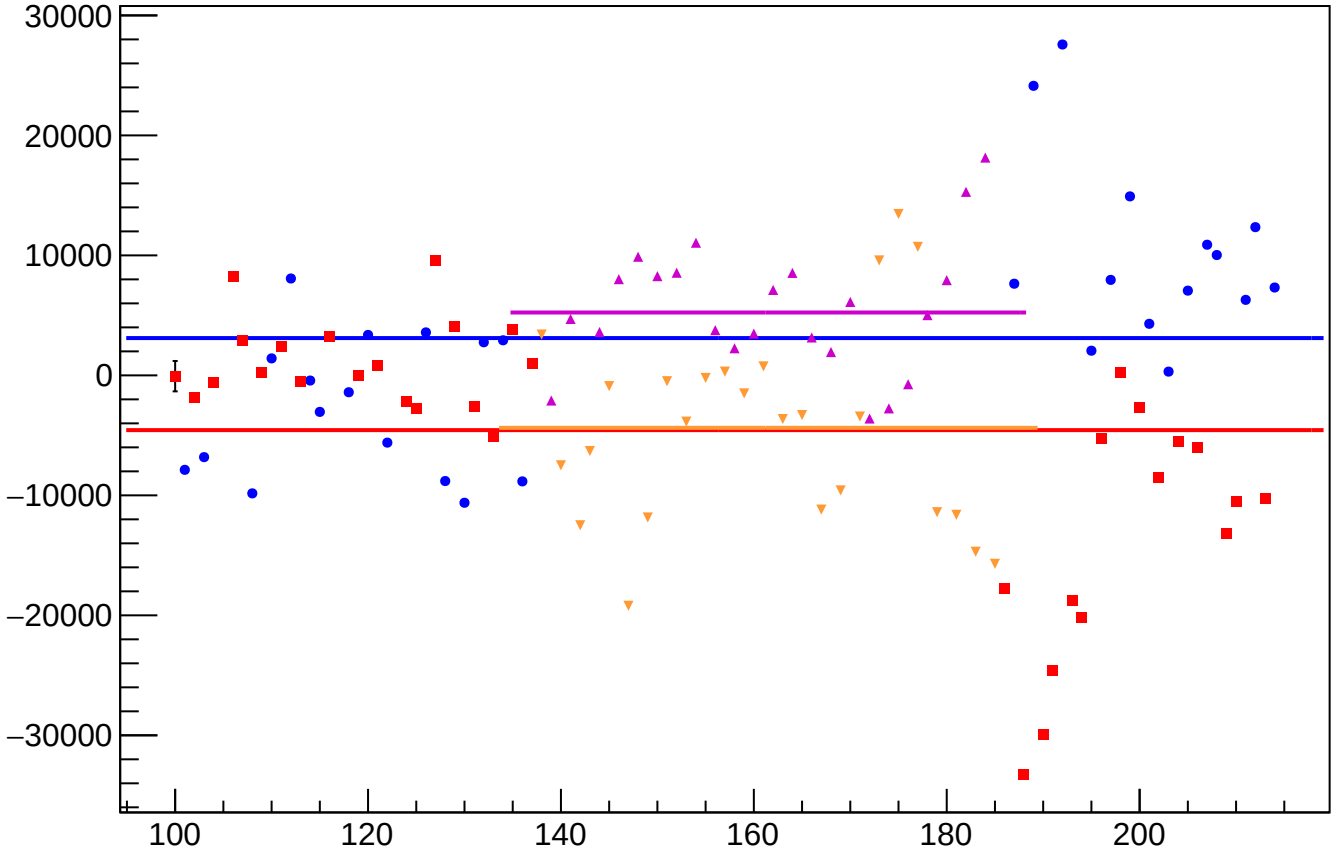
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 134.303+/-0.016 χ^2/NDF: 3116445.7/54

All: 133.966+/-0.011 χ^2/NDF: 6224806.0/111

- sign 133.630+/-0.016 χ^2/NDF: 3107470.0/56

asym_bpm1i04WS_mean vs Slug



Right In: 3107.936+/-29.915 χ^2/NDF: 92291.2/29

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4564.310+/-28.824 χ^2/NDF: 116229.5/33

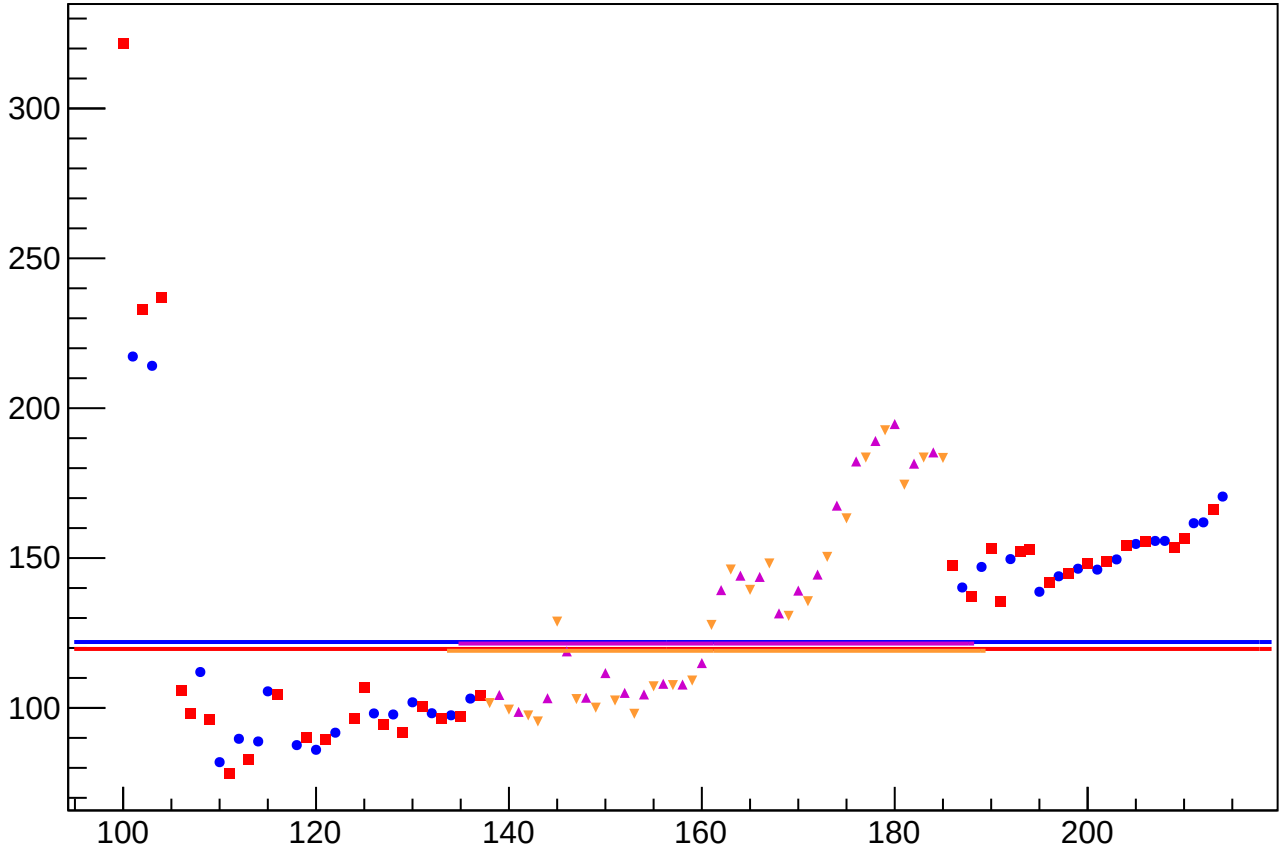
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

\+ sign -885.385+/-20.425 χ^2/NDF: 192891.6/54

All: -312.921+/-14.480 χ^2/NDF: 389968.7/11

\- sign 265.508+/-20.531 χ^2/NDF: 195497.8/56

asym_bpm1i04WS_rms vs Slug



Right In: 121.989+/-0.021 χ^2/NDF: 2335564.5/29

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 119.677+/-0.020 χ^2/NDF: 2601980.2/33

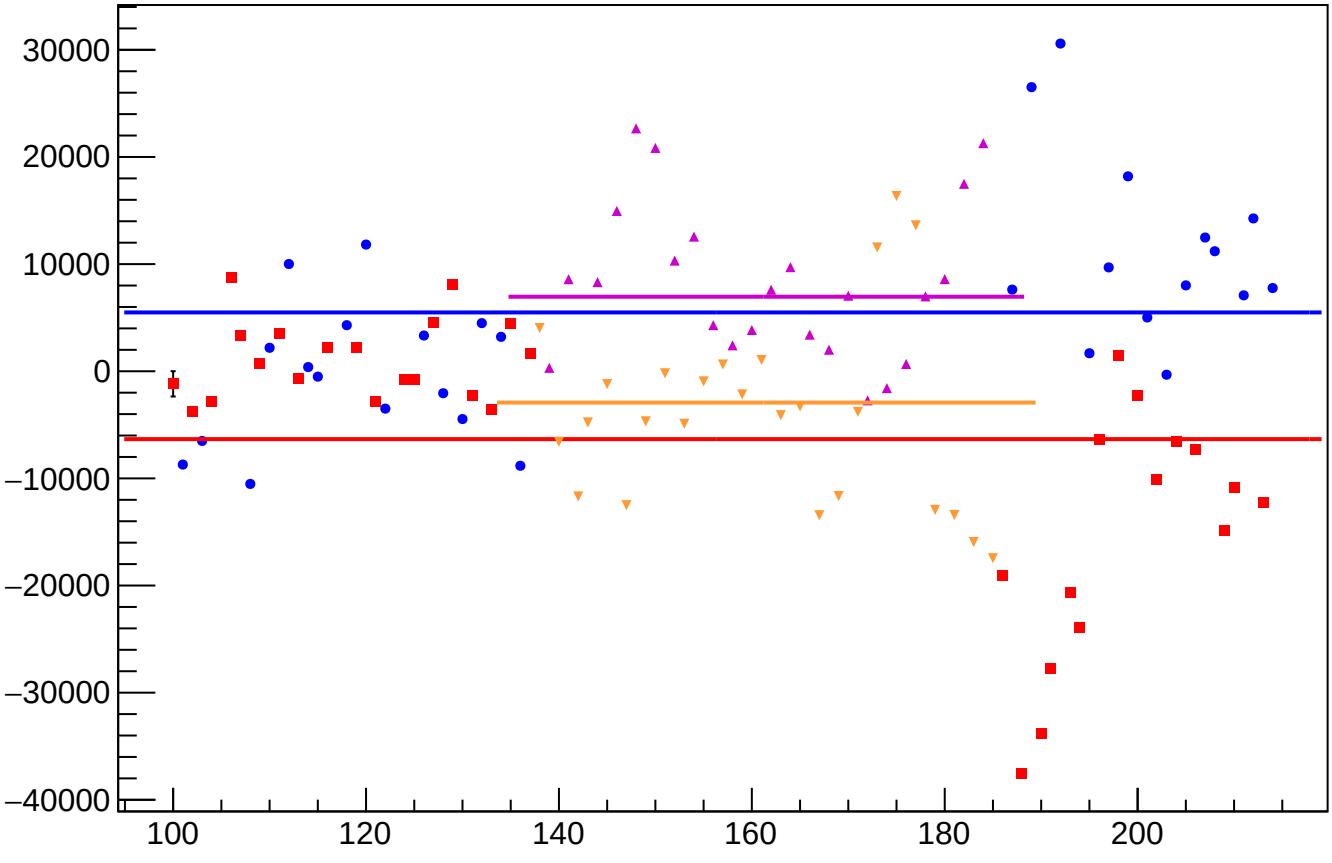
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 120.428+/-0.014 χ^2/NDF: 4101196.8/54

All: 120.493+/-0.010 χ^2/NDF: 8236401.8/11

- sign 120.559+/-0.015 χ^2/NDF: 4135163.7/56

asym_bpm1i06WS_mean vs Slug



Right In: 5488.773+/-39.204 χ^2/NDF: 64914.1/29

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -6334.912+/-37.835 χ^2/NDF: 95442.7/33

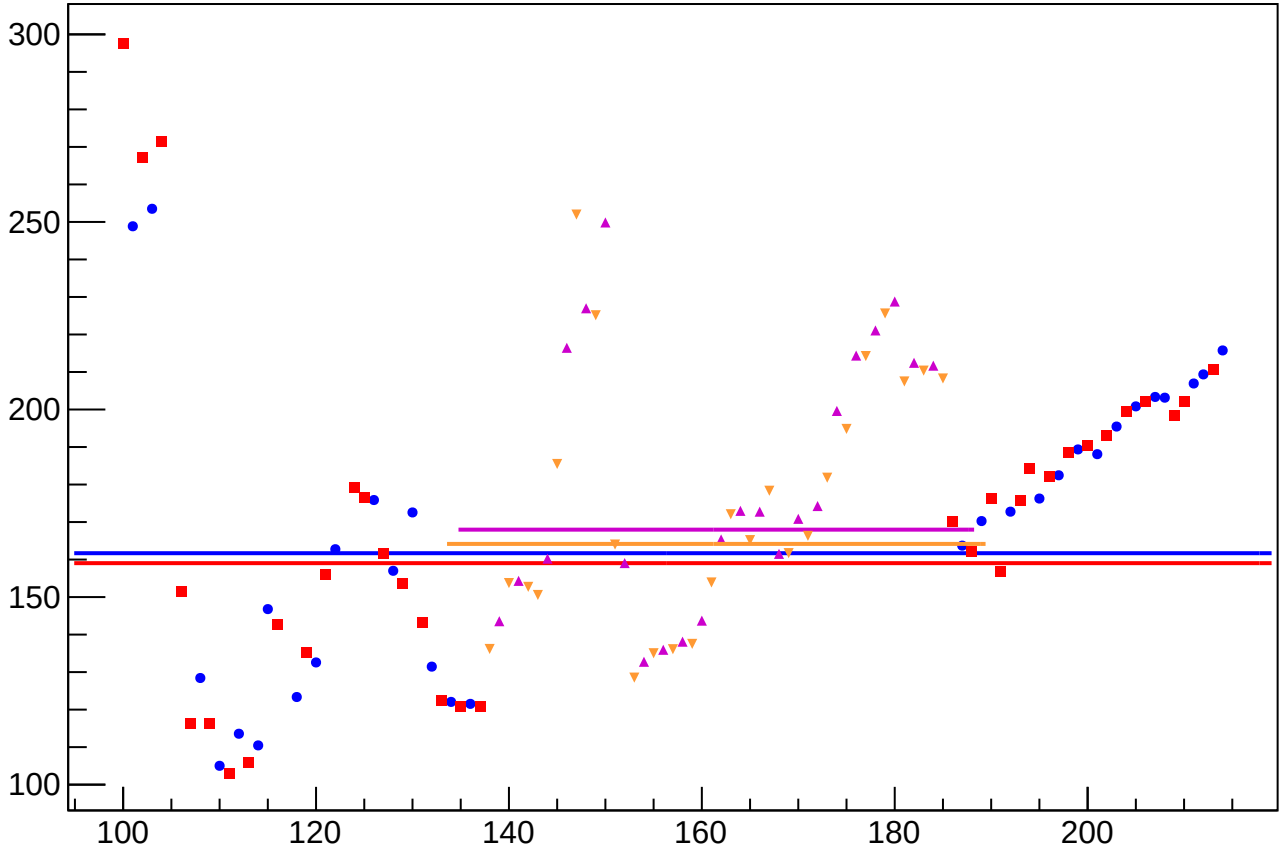
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 1172.133+/-27.354 χ^2/NDF: 126592.0/54

All: 541.562+/-19.417 χ^2/NDF: 303347.8/111

- sign -98.832+/-27.566 χ^2/NDF: 175684.6/56

asym_bpm1i06WS_rms vs Slug



Right In: 161.697+/-0.028 χ^2/NDF: 1893288.4/29

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 159.043+/-0.027 χ^2/NDF: 2003438.4/33

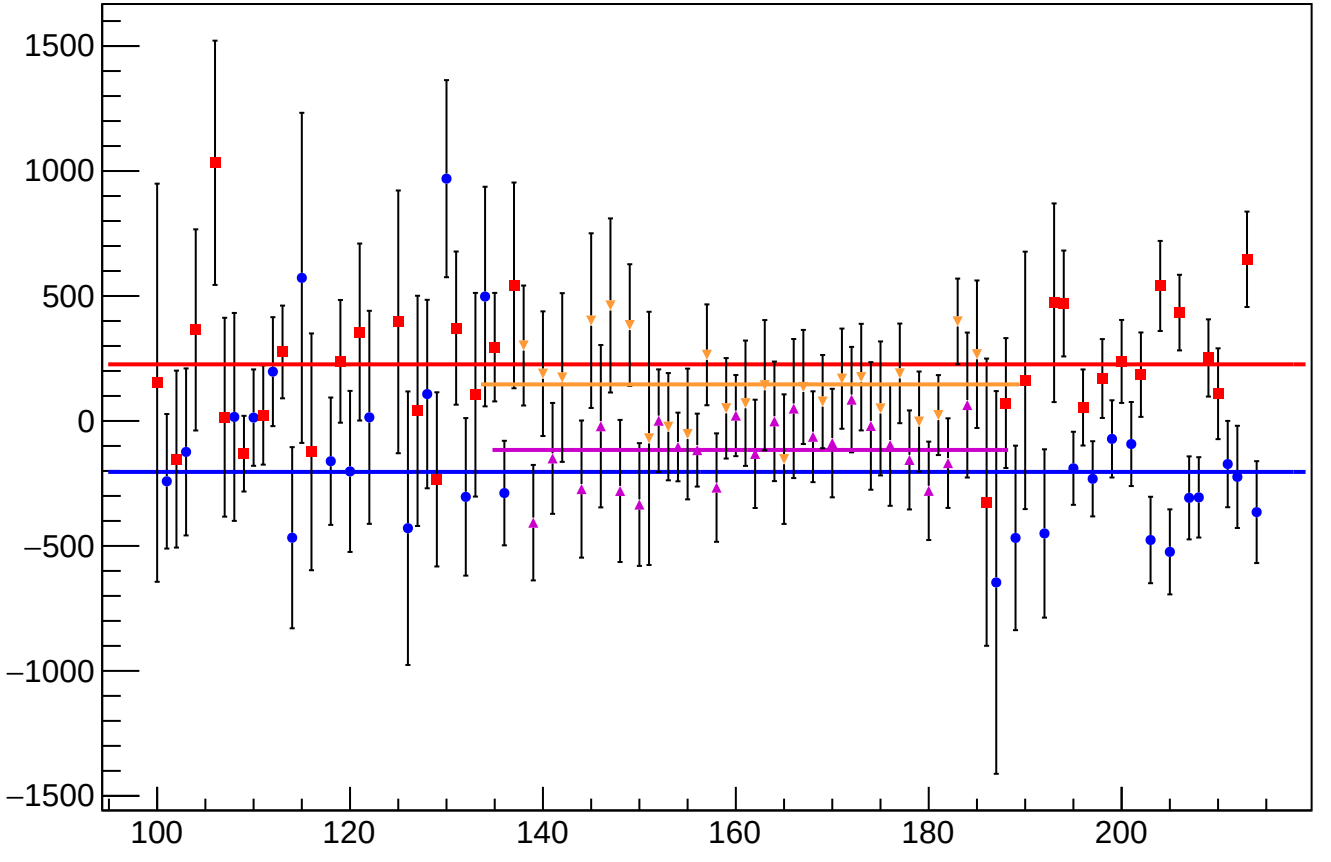
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 162.967+/-0.019 χ^2/NDF: 3121786.0/54

All: 163.099+/-0.014 χ^2/NDF: 6400361.5/11

- sign 163.234+/-0.019 χ^2/NDF: 3278481.4/56

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -203.873+/-41.435 χ^2/NDF: 29.8/29

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 226.487+/-41.076 χ^2/NDF: 29.3/31

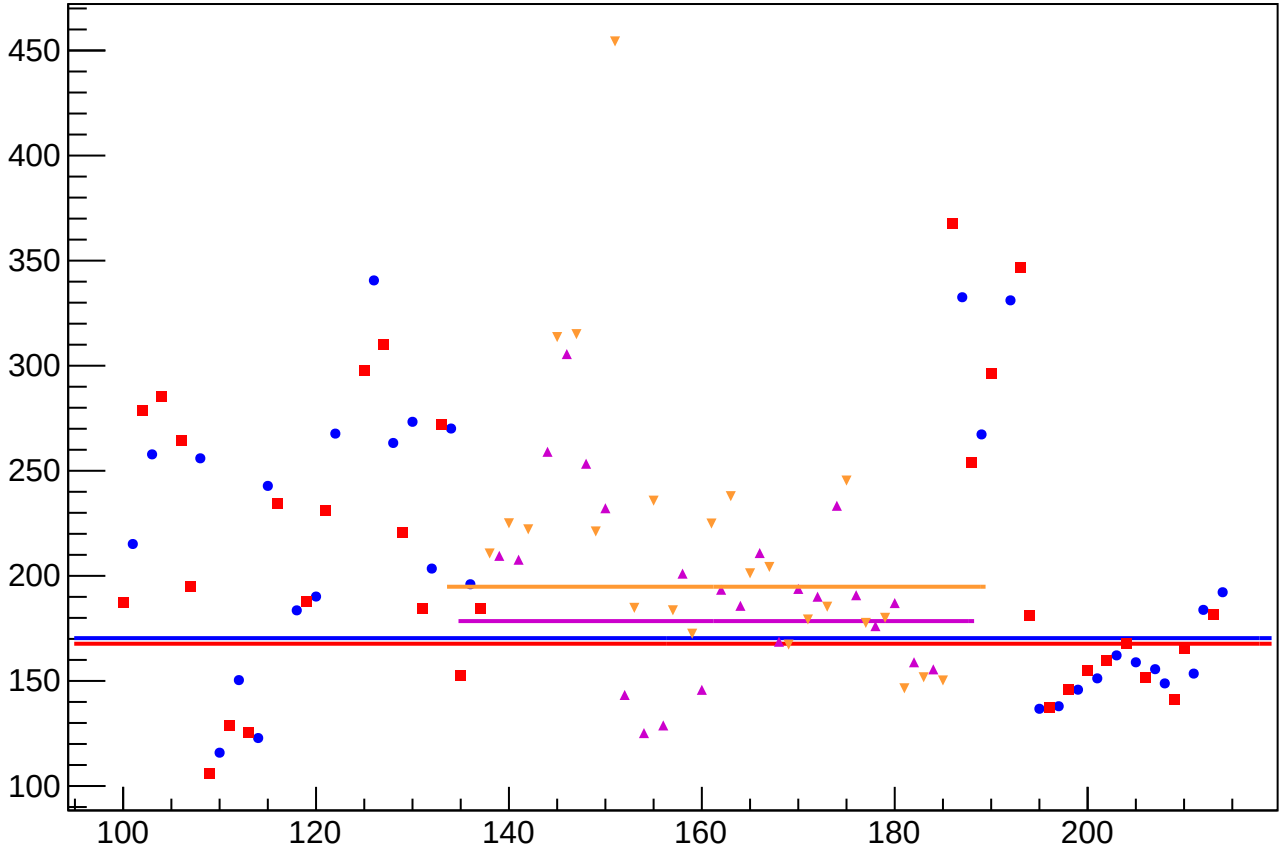
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -50.453+/-31.060 χ^2/NDF: 71.1/53

All: 9.717+/-21.541 χ^2/NDF: 147.9/108

- sign 65.472+/-29.899 χ^2/NDF: 69.6/54

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 170.367+/-0.029 χ^2/NDF: 2310362.2/29

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 167.703+/-0.029 χ^2/NDF: 2823190.5/31

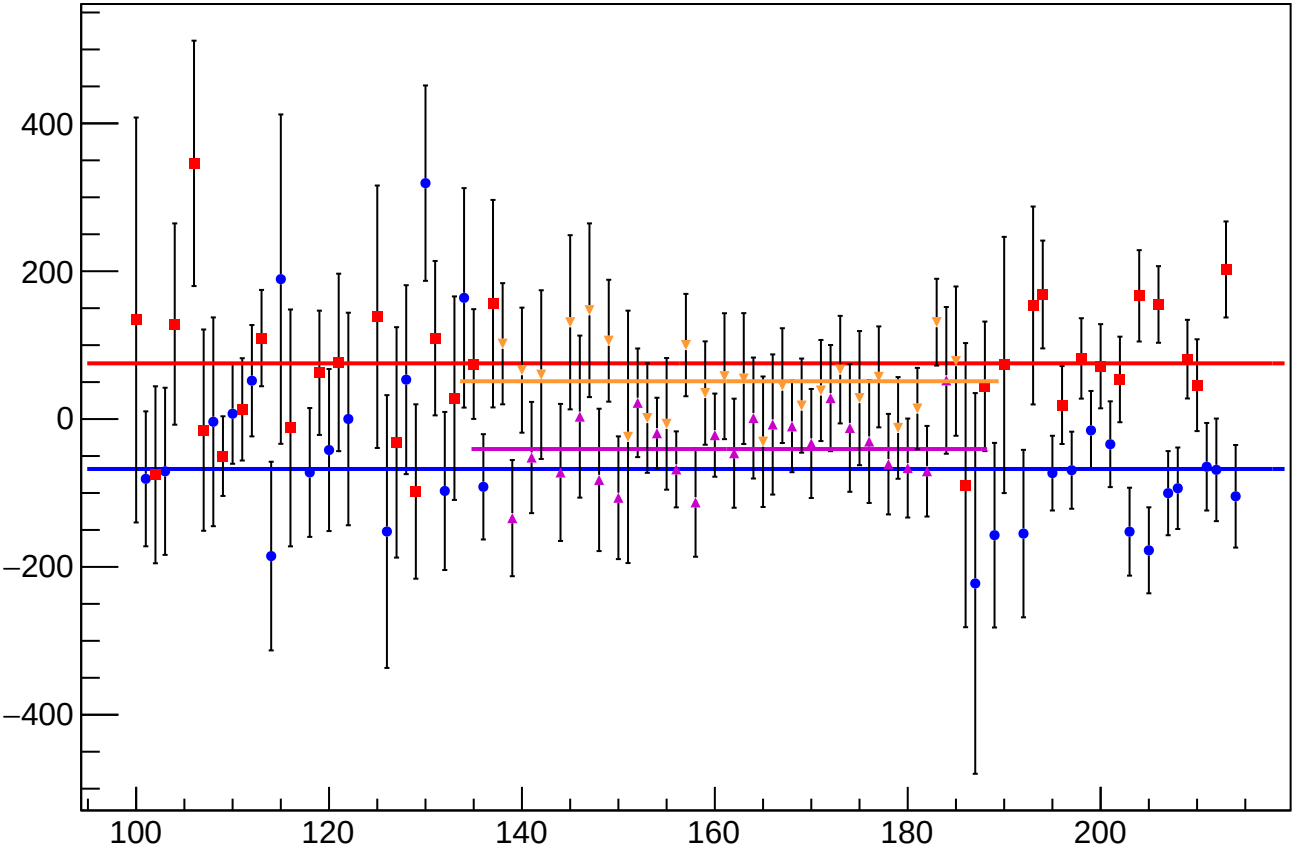
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

\+ sign 181.082+/-0.022 χ^2/NDF: 4368197.9/53

All: 176.767+/-0.015 χ^2/NDF: 9006712.3/108

\- sign 172.768+/-0.021 χ^2/NDF: 4564128.6/54

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -67.528+/-14.219 χ^2/NDF: 27.9/29

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 75.384+/-14.126 χ^2/NDF: 27.8/31

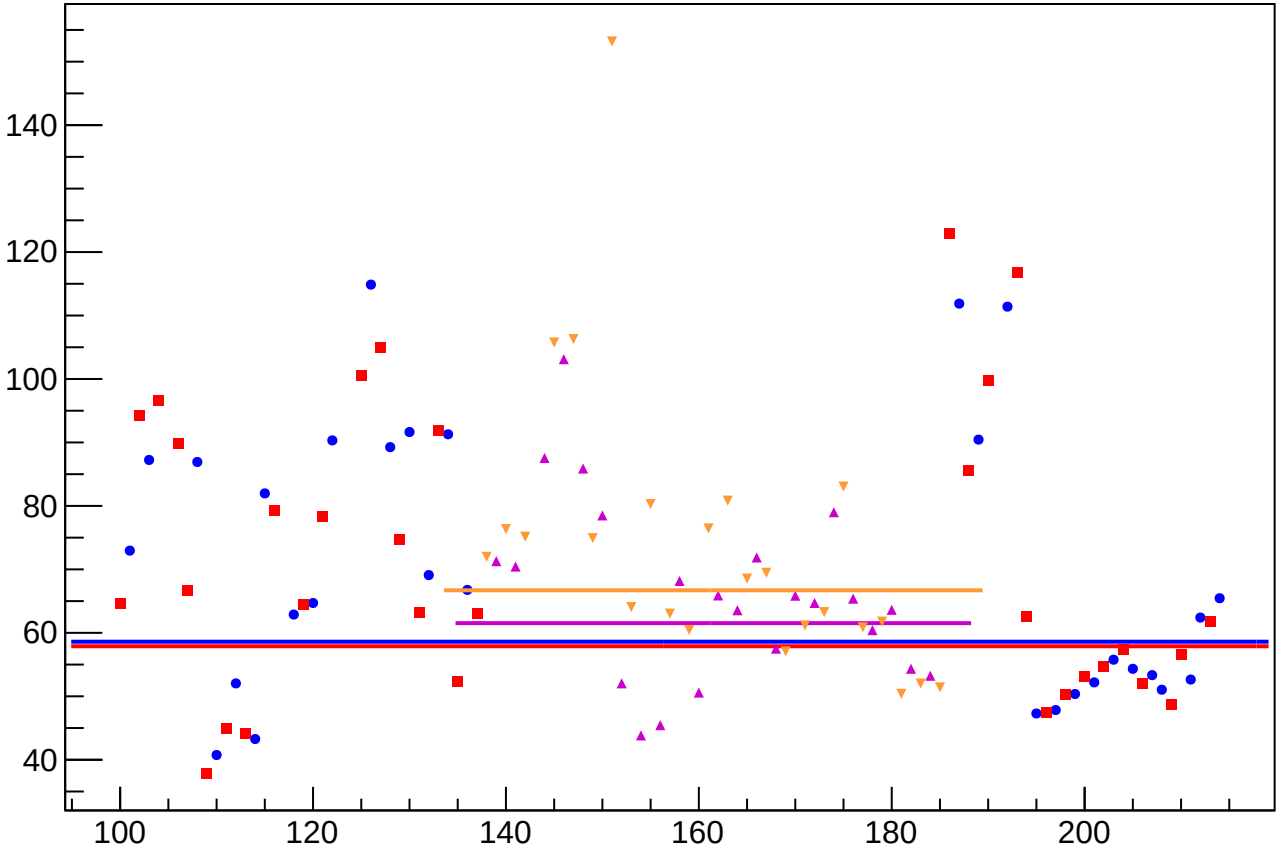
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -15.291+/-10.639 χ^2/NDF: 66.7/53

All: 3.386+/-7.391 χ^2/NDF: 140.0/108

- sign 20.811+/-10.277 χ^2/NDF: 67.3/54

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 58.604+/-0.010 χ^2/NDF: 2163865.7/29

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.884+/-0.010 χ^2/NDF: 2624738.8/31

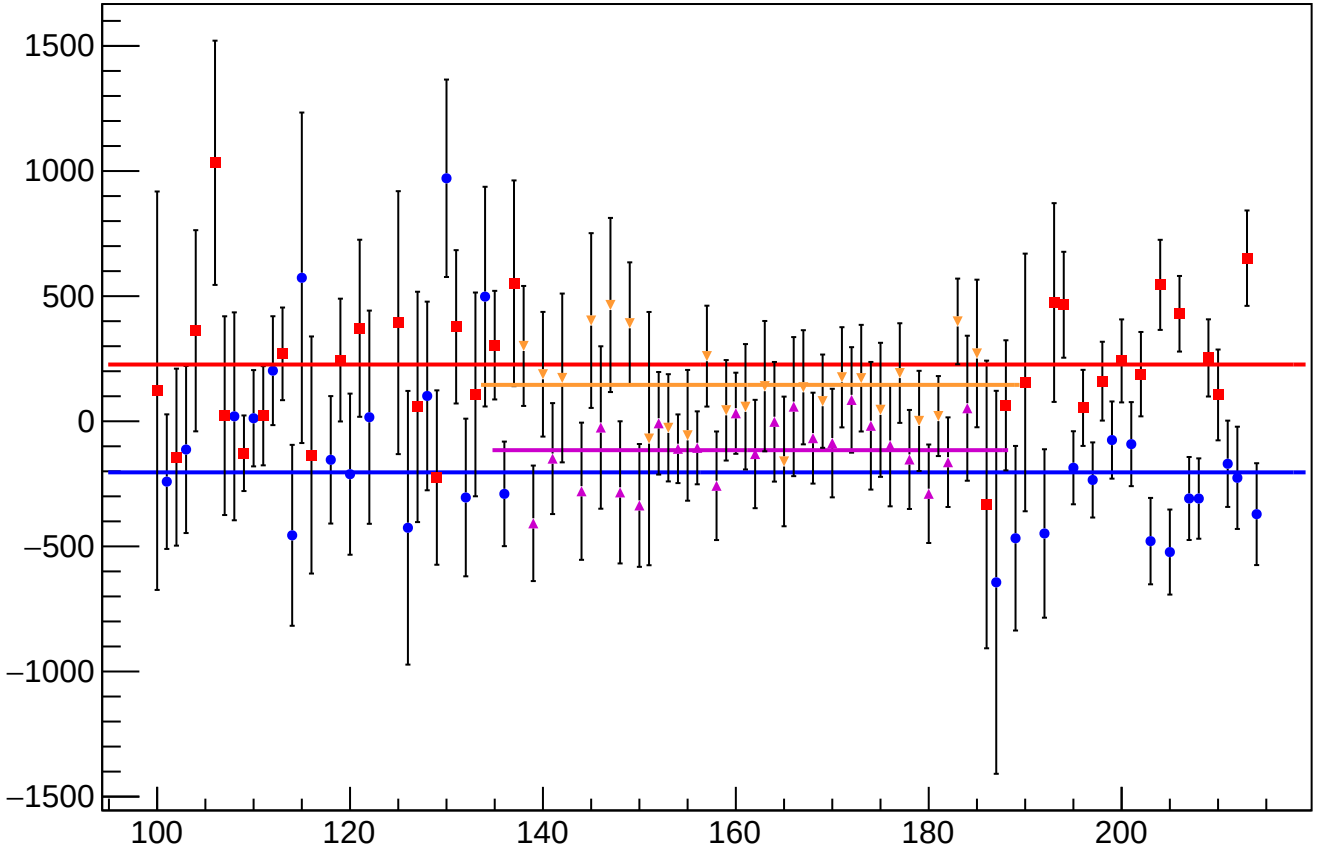
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.169+/-0.008 χ^2/NDF: 4125773.4/53

All: 60.840+/-0.005 χ^2/NDF: 8363367.8/108

- sign 59.600+/-0.007 χ^2/NDF: 4177274.2/54

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -204.118+/-41.382 χ^2/NDF: 30.0/29

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 226.815+/-41.024 χ^2/NDF: 29.5/31

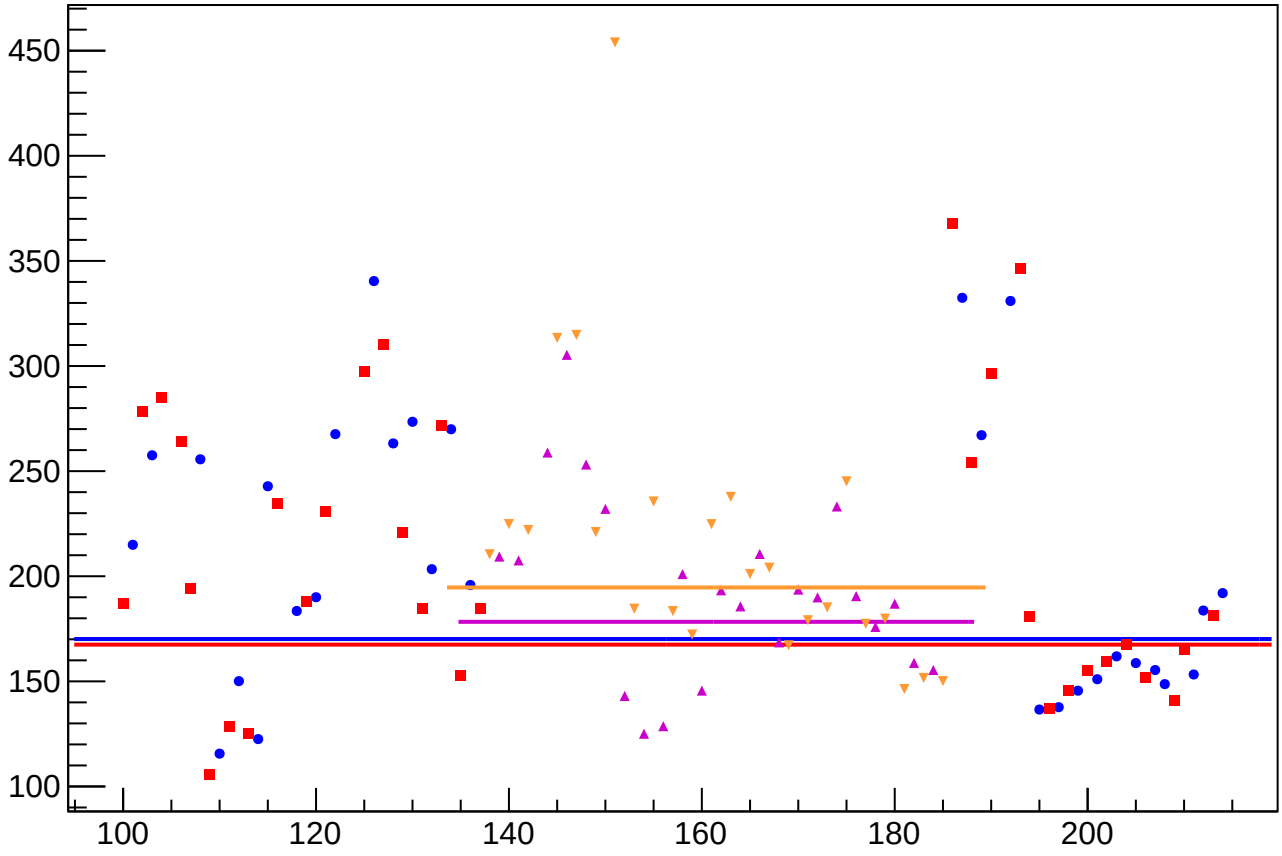
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -51.046+/-31.027 χ^2/NDF: 71.5/53

All: 9.677+/-21.518 χ^2/NDF: 148.9/108

- sign 65.947+/-29.867 χ^2/NDF: 70.0/54

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 170.134+/-0.029 χ^2/NDF: 2316903.9/29

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 167.469+/-0.029 χ^2/NDF: 2831613.9/31

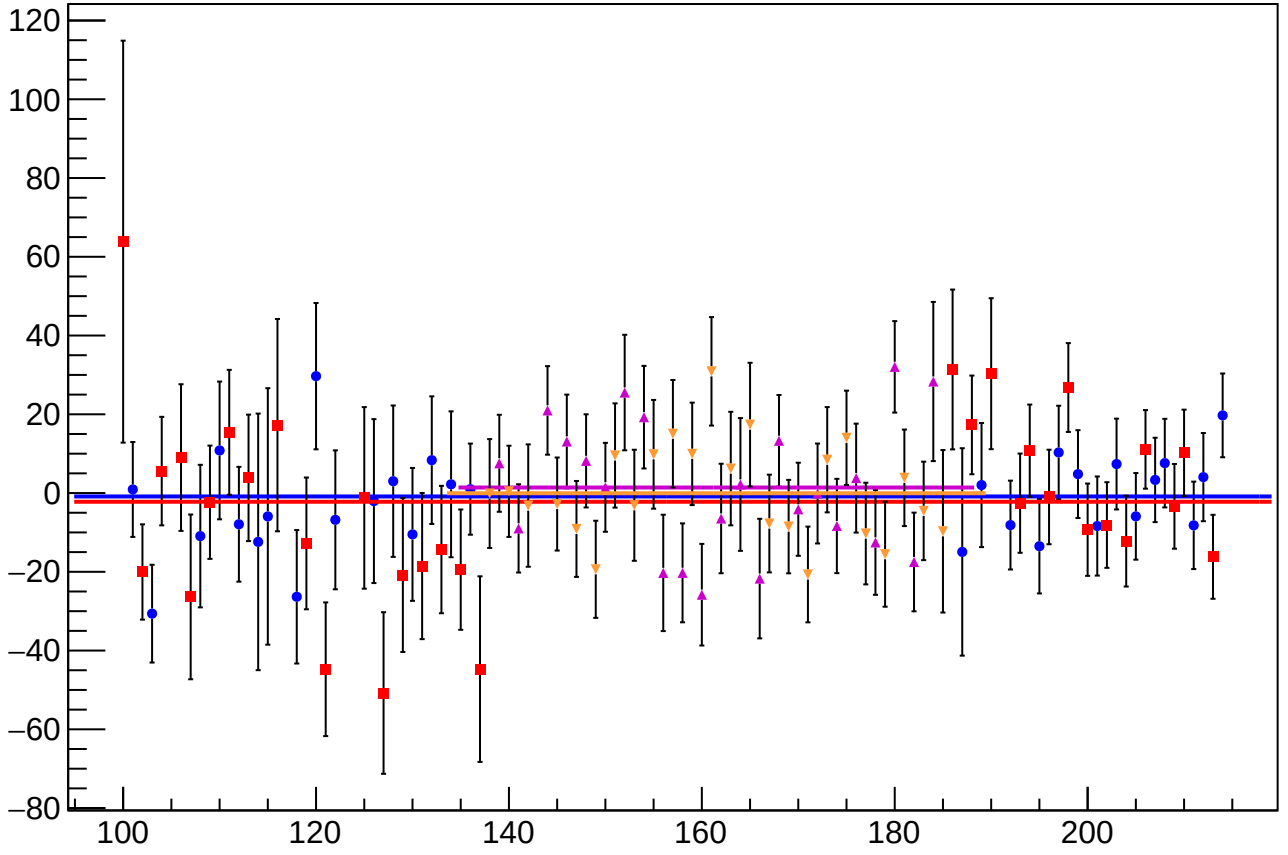
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 180.873+/-0.022 χ^2/NDF: 4377592.9/53

All: 176.562+/-0.015 χ^2/NDF: 9027658.1/108

- sign 172.567+/-0.021 χ^2/NDF: 4575683.7/54

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -0.867+/-2.519 χ^2/NDF: 21.9/29

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -2.210+/-2.520 χ^2/NDF: 48.9/31

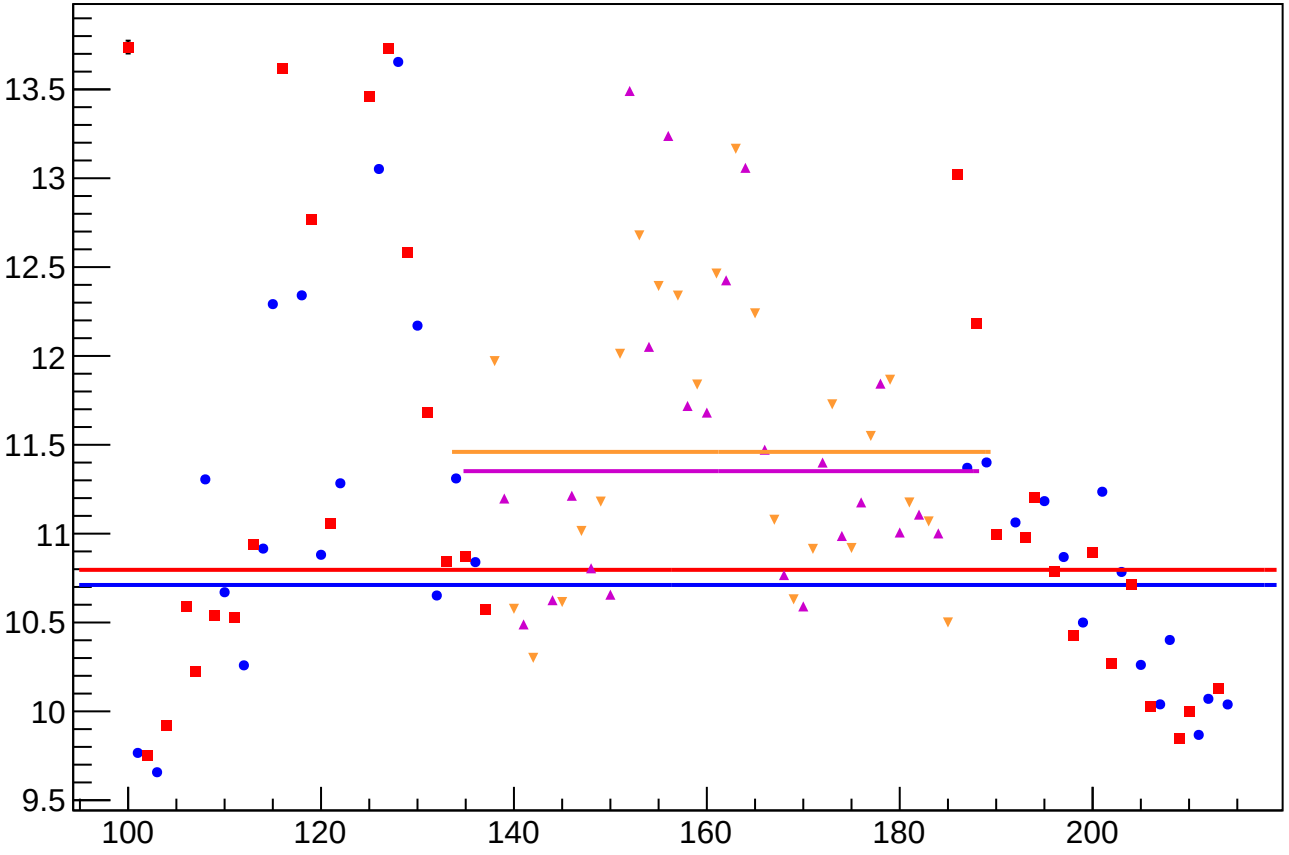
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.483+/-1.837 χ^2/NDF: 42.4/53

All: -0.496+/-1.298 χ^2/NDF: 128.6/108

- sign -0.509+/-1.834 χ^2/NDF: 86.2/54

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.711+/-0.002 χ^2/NDF: 199421.5/29

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.796+/-0.002 χ^2/NDF: 276732.1/31

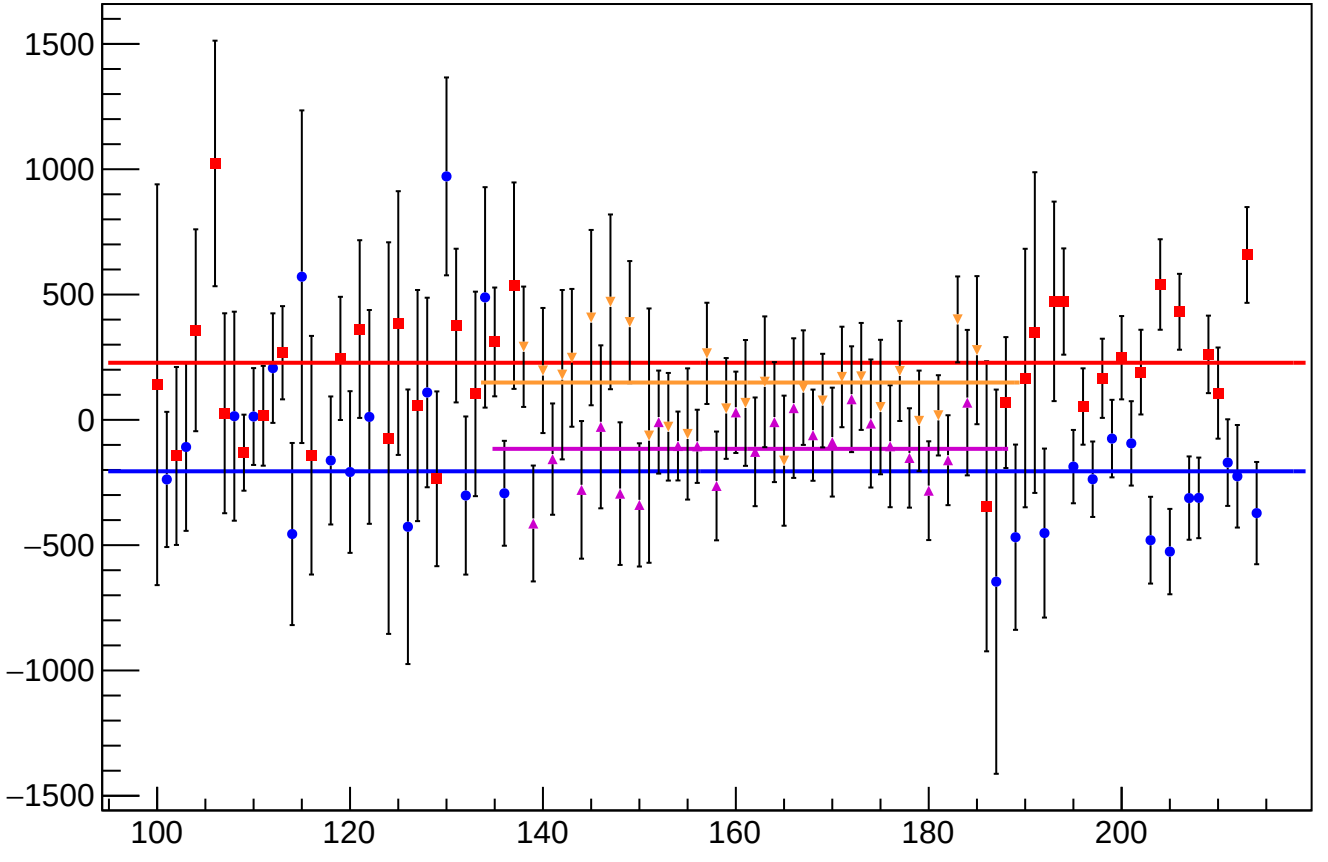
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.062+/-0.001 χ^2/NDF: 432613.4/53

All: 11.060+/-0.001 χ^2/NDF: 925606.8/108

- sign 11.058+/-0.001 χ^2/NDF: 492988.4/54

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -205.282+/-41.486 χ^2/NDF: 30.0/29

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 227.794+/-40.994 χ^2/NDF: 29.8/33

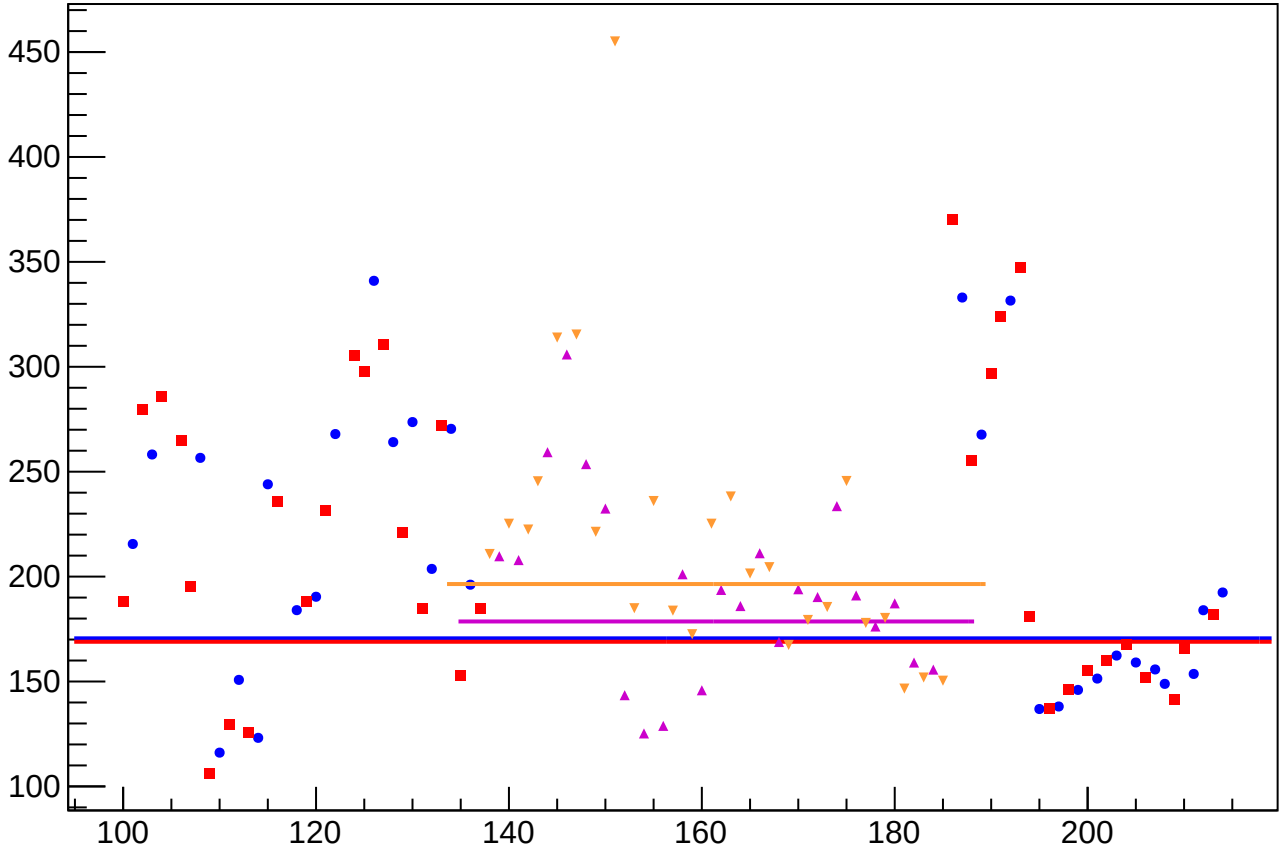
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -47.576+/-30.899 χ^2/NDF: 73.0/54

All: 11.518+/-21.479 χ^2/NDF: 150.5/111

- sign 66.774+/-29.879 χ^2/NDF: 70.5/56

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 170.573+/-0.029 χ^2/NDF: 2312217.1/29

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.946+/-0.029 χ^2/NDF: 3008681.7/33

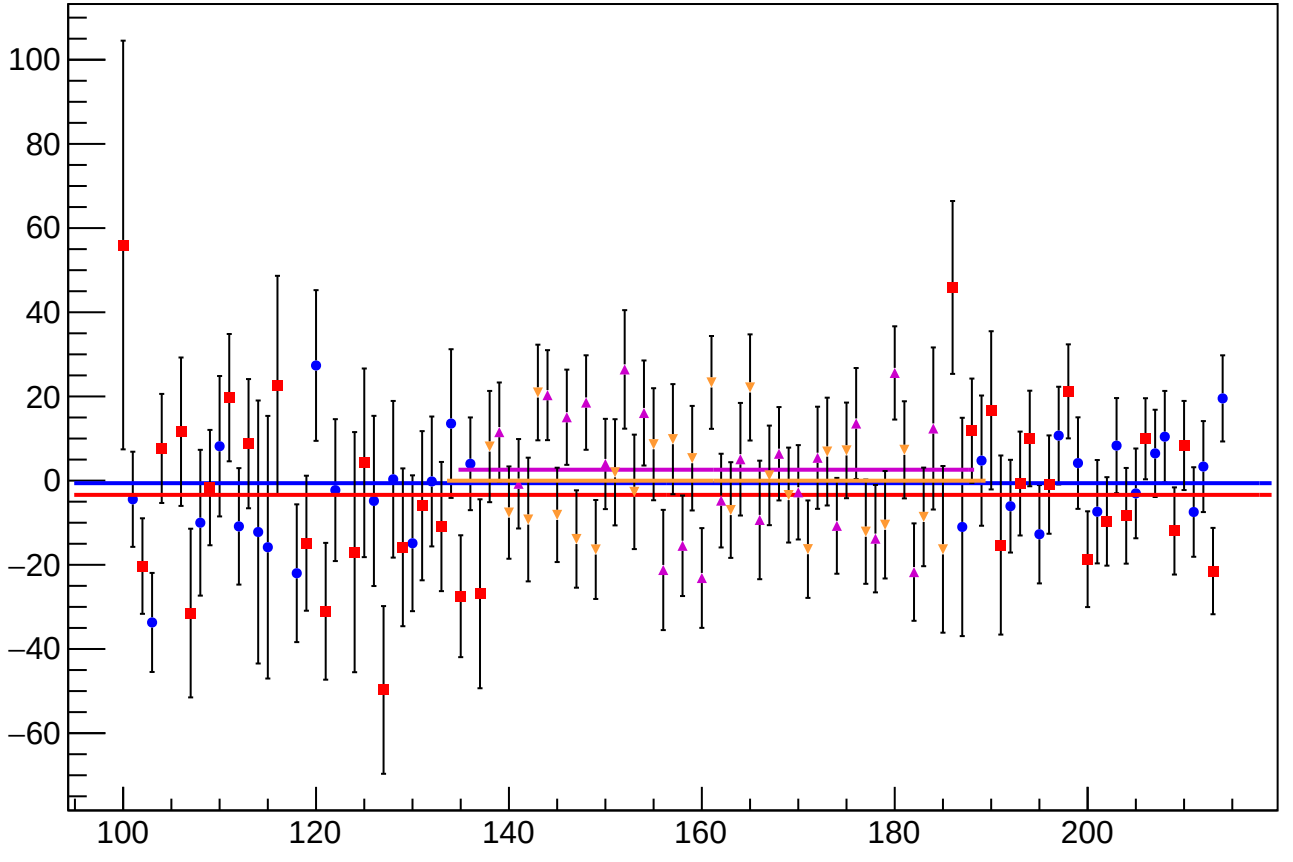
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.097+/-0.022 χ^2/NDF: 4477549.0/54

All: 177.643+/-0.015 χ^2/NDF: 9297658.0/11

- sign 173.478+/-0.021 χ^2/NDF: 4739688.3/56

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -0.605+/-2.429 χ^2/NDF: 25.0/29

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.384+/-2.409 χ^2/NDF: 49.2/33

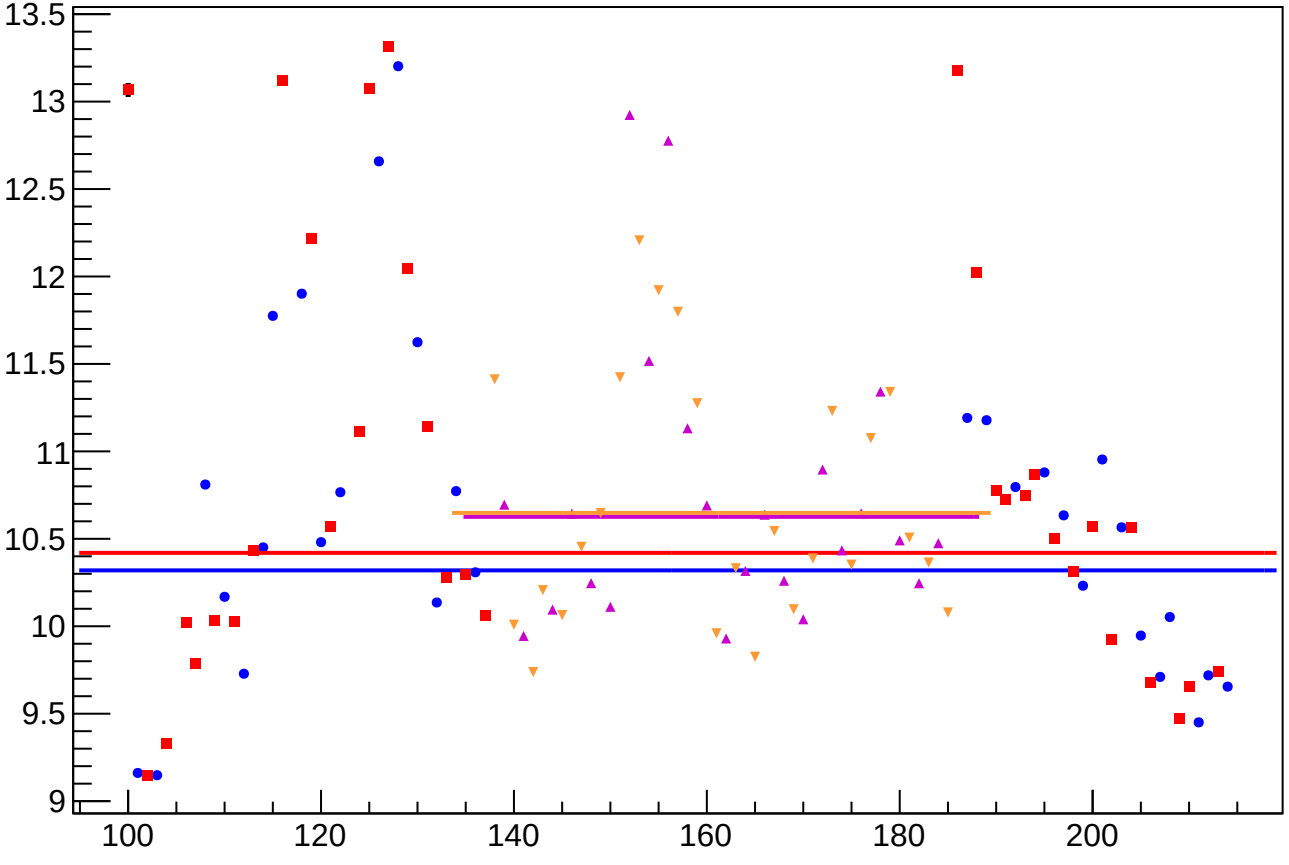
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -0.313+/-1.723 χ^2/NDF: 48.7/54

All: -0.413+/-1.223 χ^2/NDF: 135.7/111

- sign -0.515+/-1.737 χ^2/NDF: 86.9/56

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.320+/-0.002 χ^2/NDF: 223463.7/29

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.420+/-0.002 χ^2/NDF: 317285.6/33

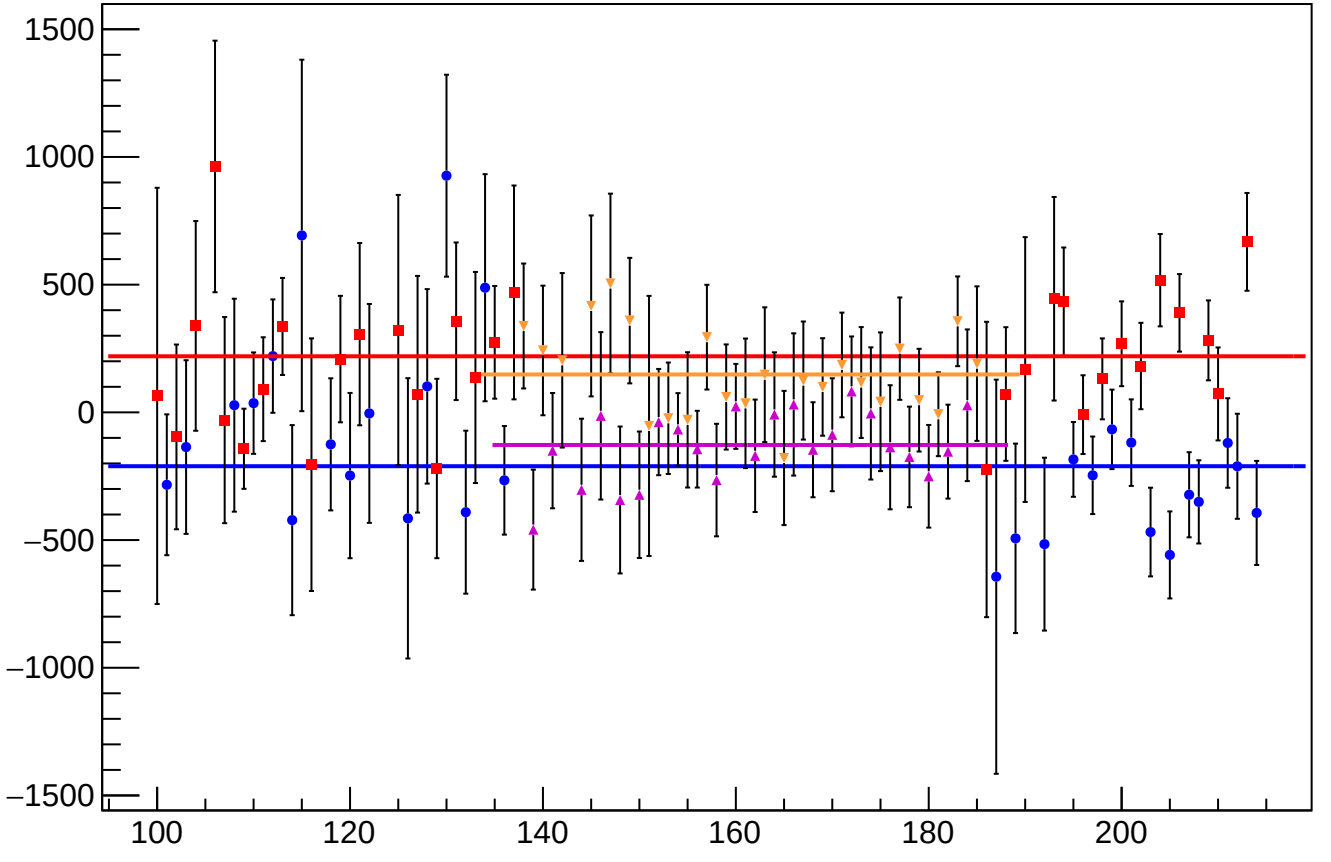
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.483+/-0.001 χ^2/NDF: 385199.3/54

All: 10.501+/-0.001 χ^2/NDF: 869480.7/111

- sign 10.519+/-0.001 χ^2/NDF: 483853.5/56

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -210.868+/-41.826 χ^2/NDF: 31.7/29

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 219.554+/-41.510 χ^2/NDF: 28.0/31

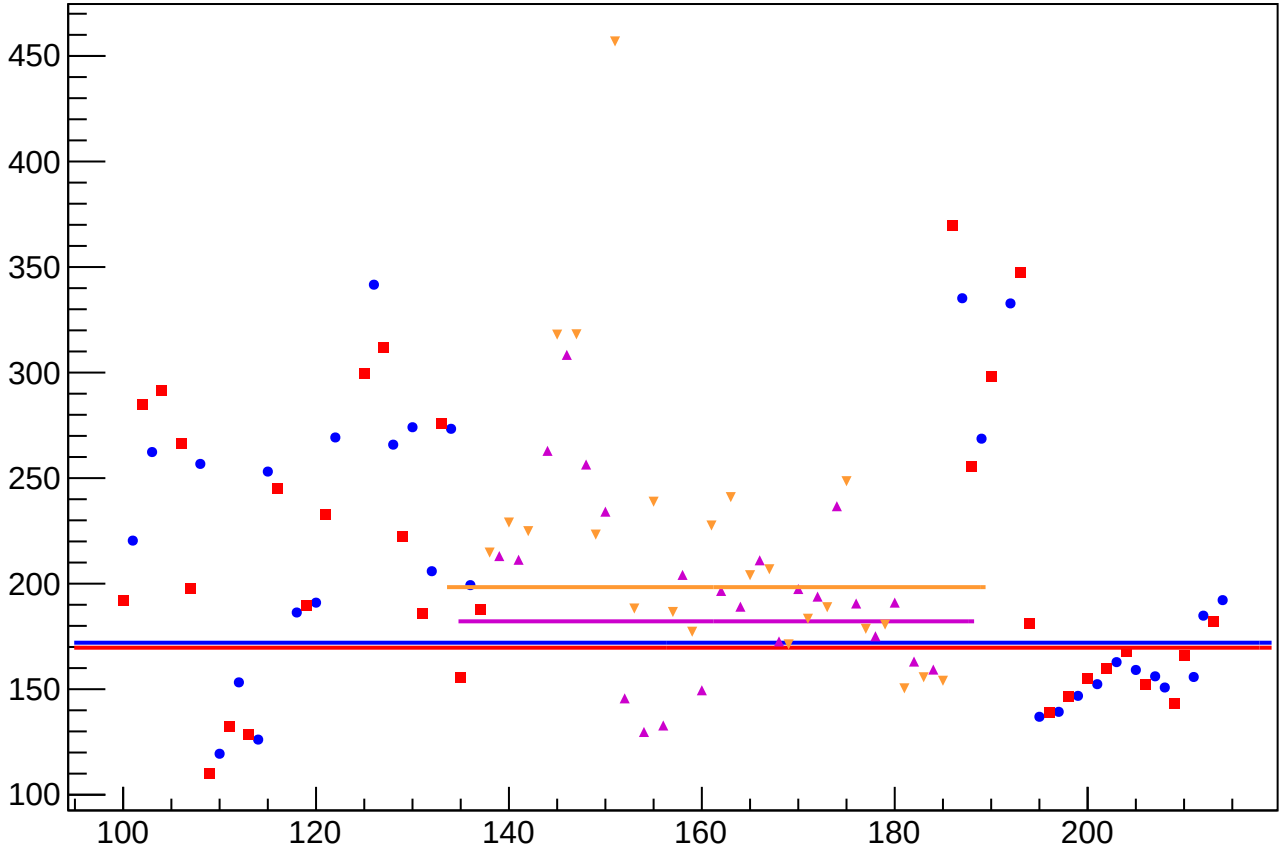
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -54.765+/-31.454 χ^2/NDF: 73.6/53

All: 3.509+/-21.833 χ^2/NDF: 148.7/108

\- sign 57.694+/-30.330 χ^2/NDF: 68.4/54

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 172.026+/-0.030 χ^2/NDF: 2297050.2/29

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.667+/-0.029 χ^2/NDF: 2764752.5/31

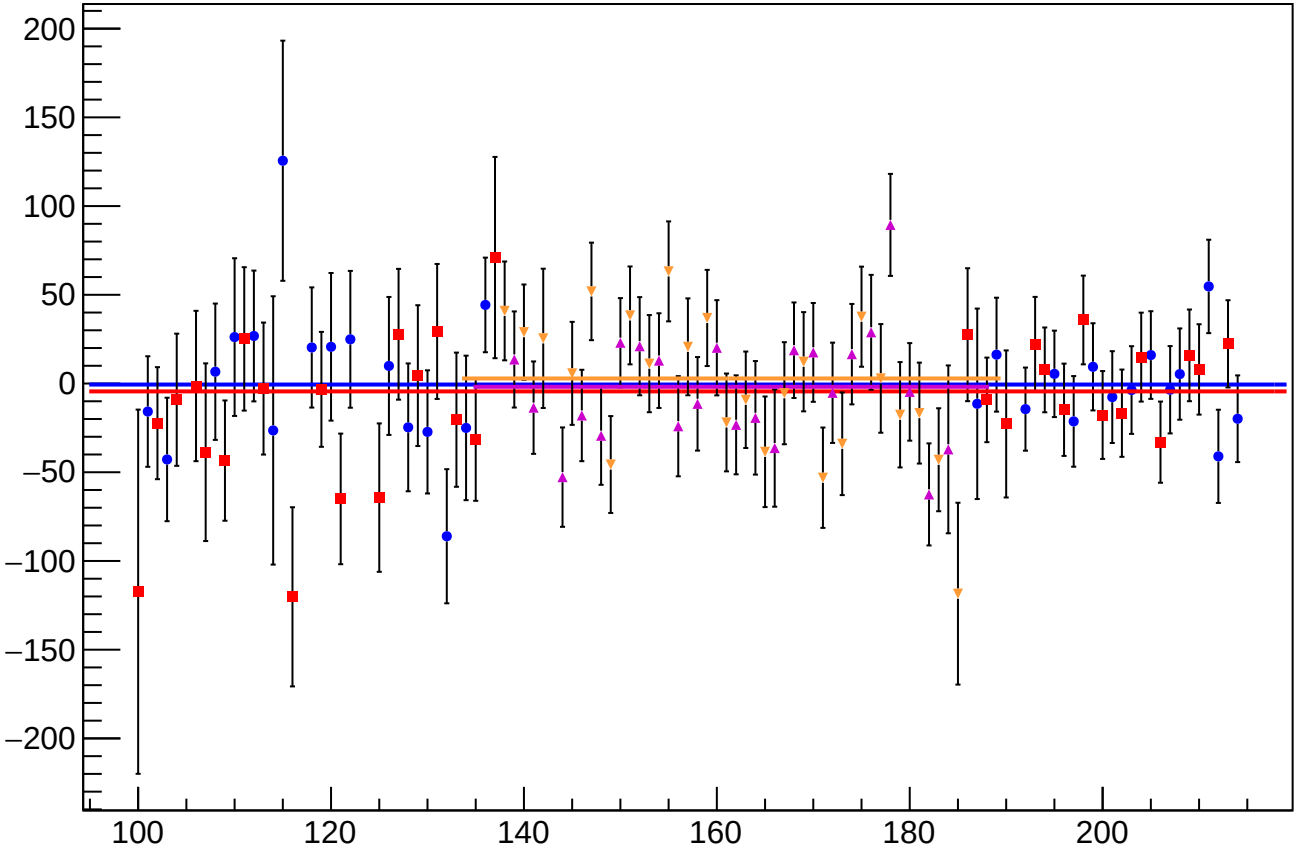
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 183.463+/-0.022 χ^2/NDF: 4338323.9/53

All: 179.329+/-0.015 χ^2/NDF: 8838399.3/108

- sign 175.486+/-0.021 χ^2/NDF: 4433410.1/54

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.572+/-5.609 χ^2/NDF: 26.3/29

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -4.440+/-5.562 χ^2/NDF: 27.8/31

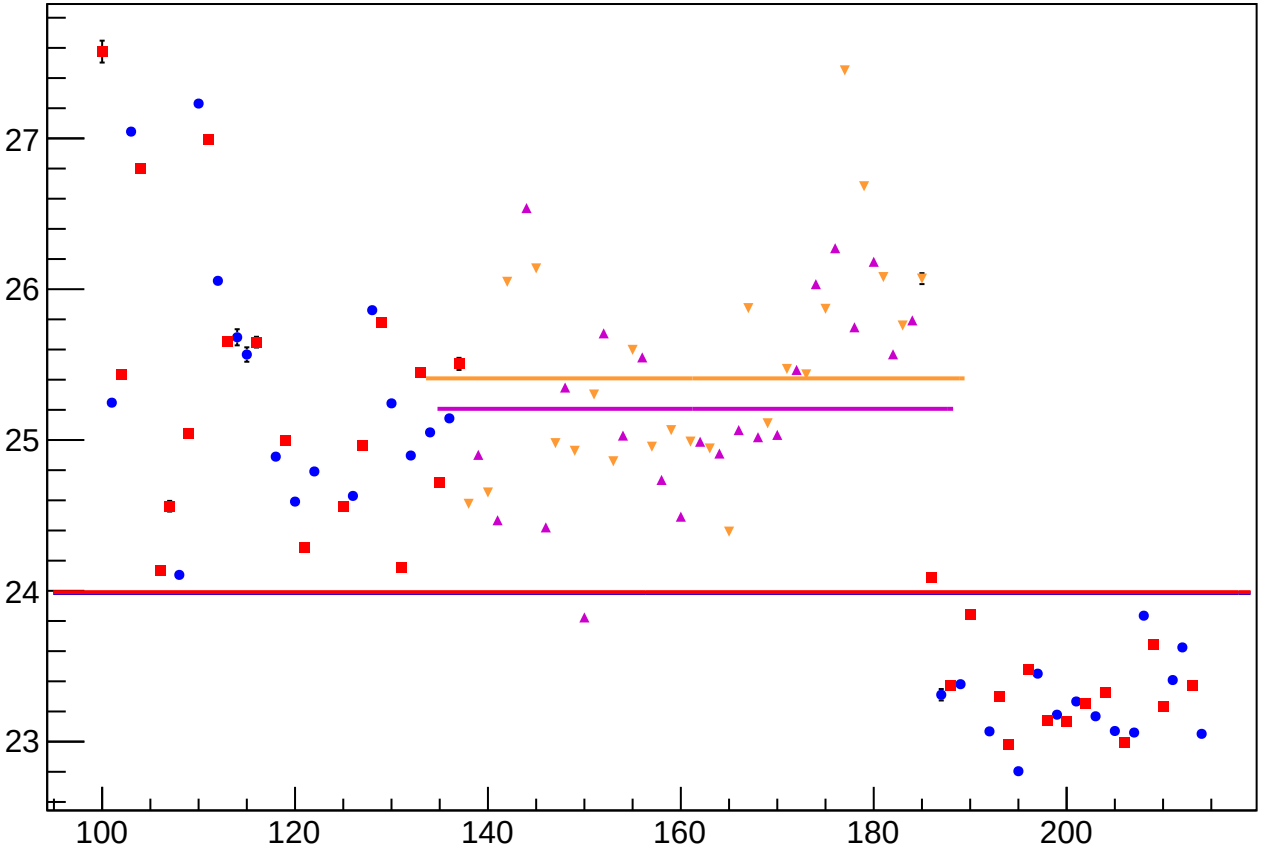
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.052+/-4.067 χ^2/NDF: 63.4/53

All: -1.096+/-2.868 χ^2/NDF: 119.9/108

- sign -3.220+/-4.045 χ^2/NDF: 56.0/54

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.985+/-0.004 χ^2/NDF: 80939.1/29

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.991+/-0.004 χ^2/NDF: 72821.4/31

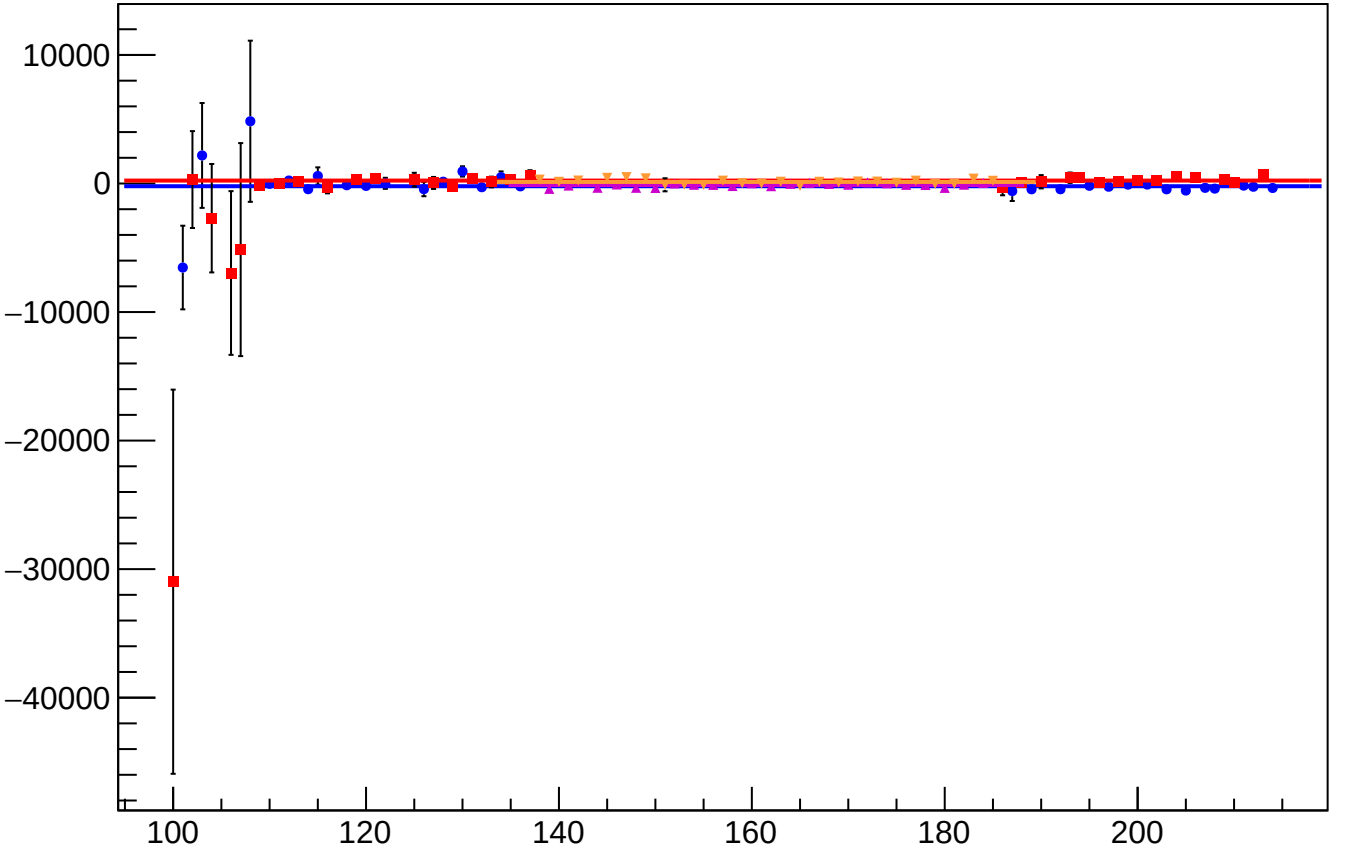
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.661+/-0.003 χ^2/NDF: 168895.7/53

All: 24.612+/-0.002 χ^2/NDF: 313140.6/108

- sign 24.564+/-0.003 χ^2/NDF: 143675.3/54

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -212.164+/-43.461 χ^2/NDF: 34.2/29

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 228.385+/-43.676 χ^2/NDF: 32.1/31

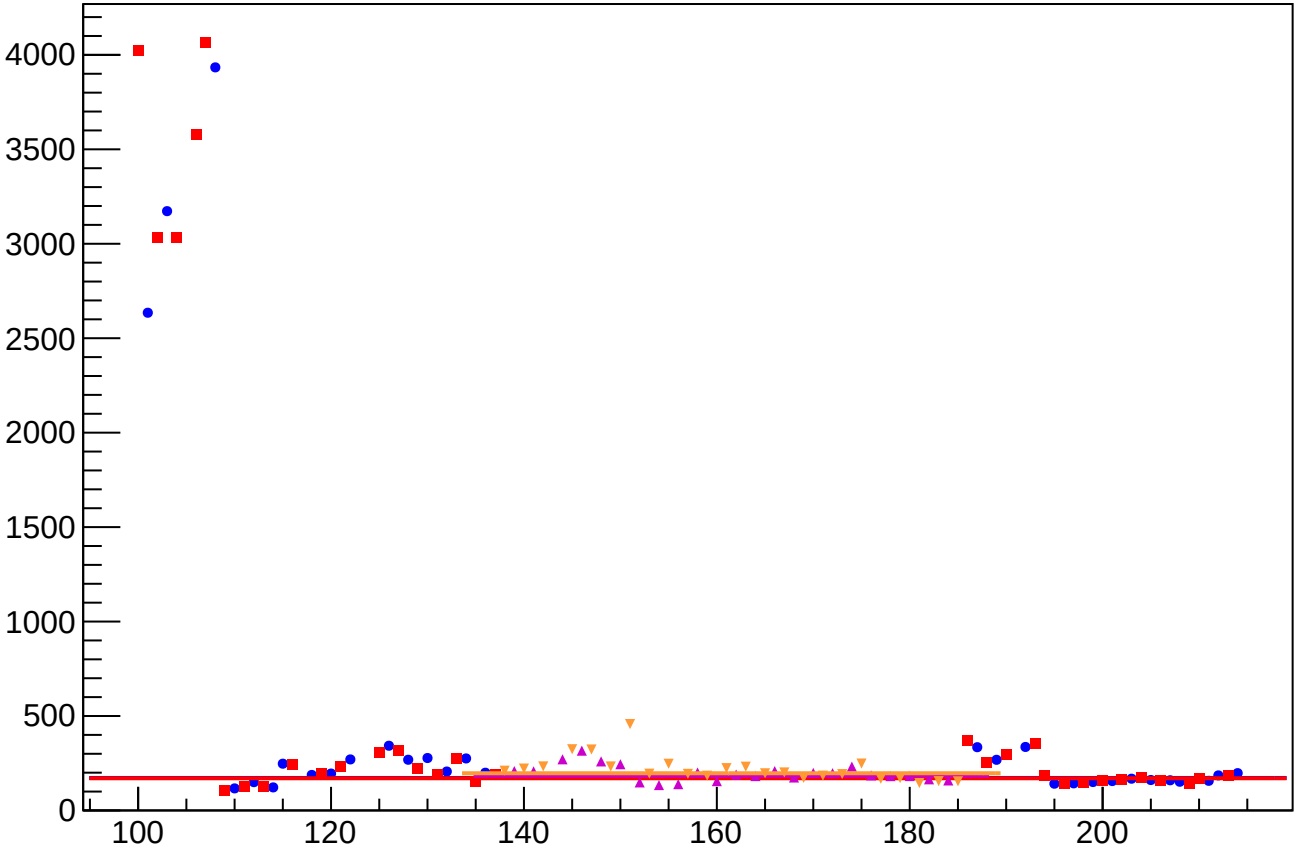
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -60.493+/-32.046 χ^2/NDF: 72.8/53

All: 1.434+/-22.380 χ^2/NDF: 151.0/108

- sign 60.393+/-31.269 χ^2/NDF: 70.8/54

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 171.901+/-0.031 χ^2/NDF: 4923725.9/29

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 170.461+/-0.031 χ^2/NDF: 5429980.6/31

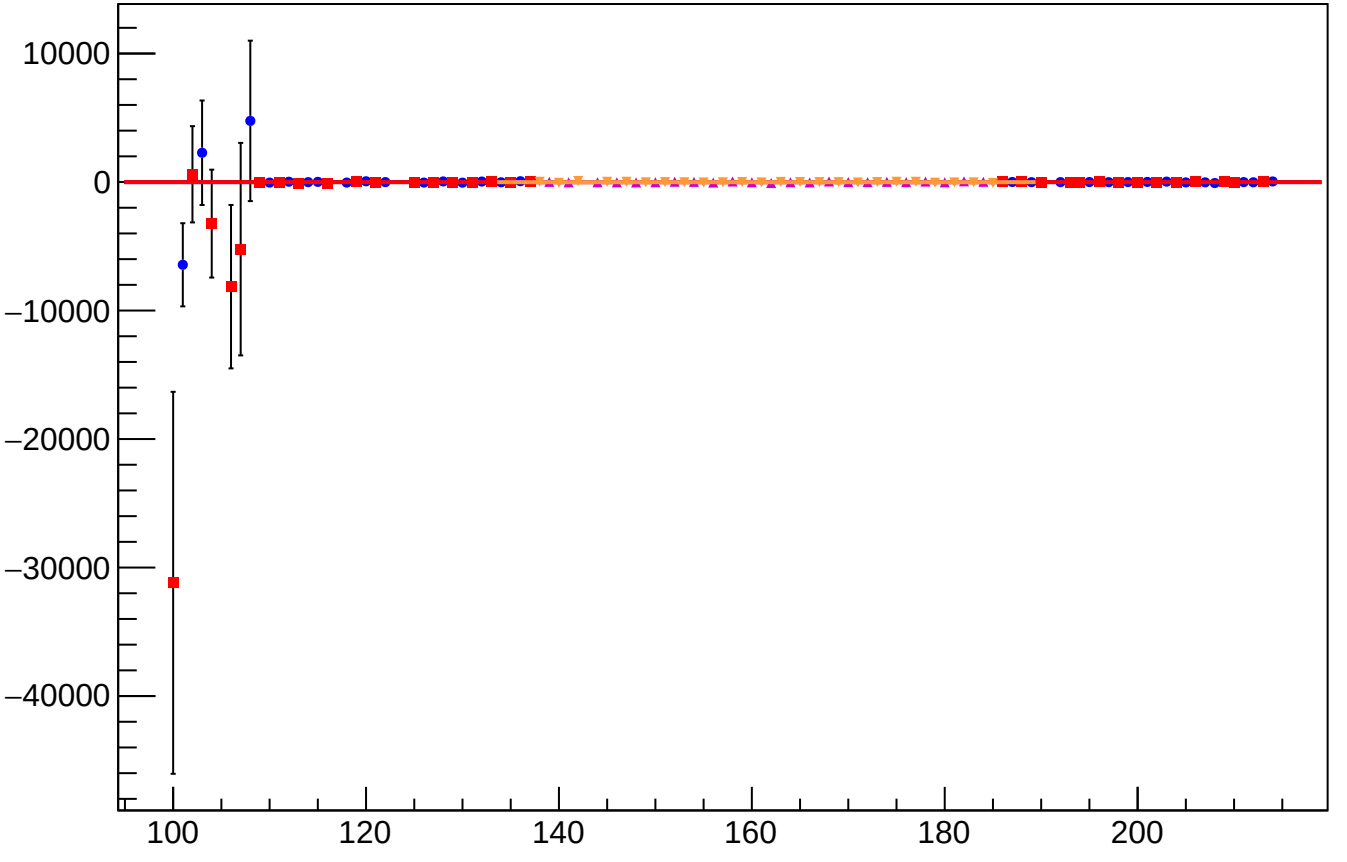
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 183.324+/-0.023 χ^2/NDF: 7035791.6/53

All: 180.128+/-0.016 χ^2/NDF: 14044420.4/10

- sign 177.085+/-0.022 χ^2/NDF: 6969795.2/54

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: -3.085+/-6.675 χ^2/NDF: 32.1/29

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -6.394+/-6.718 χ^2/NDF: 37.4/31

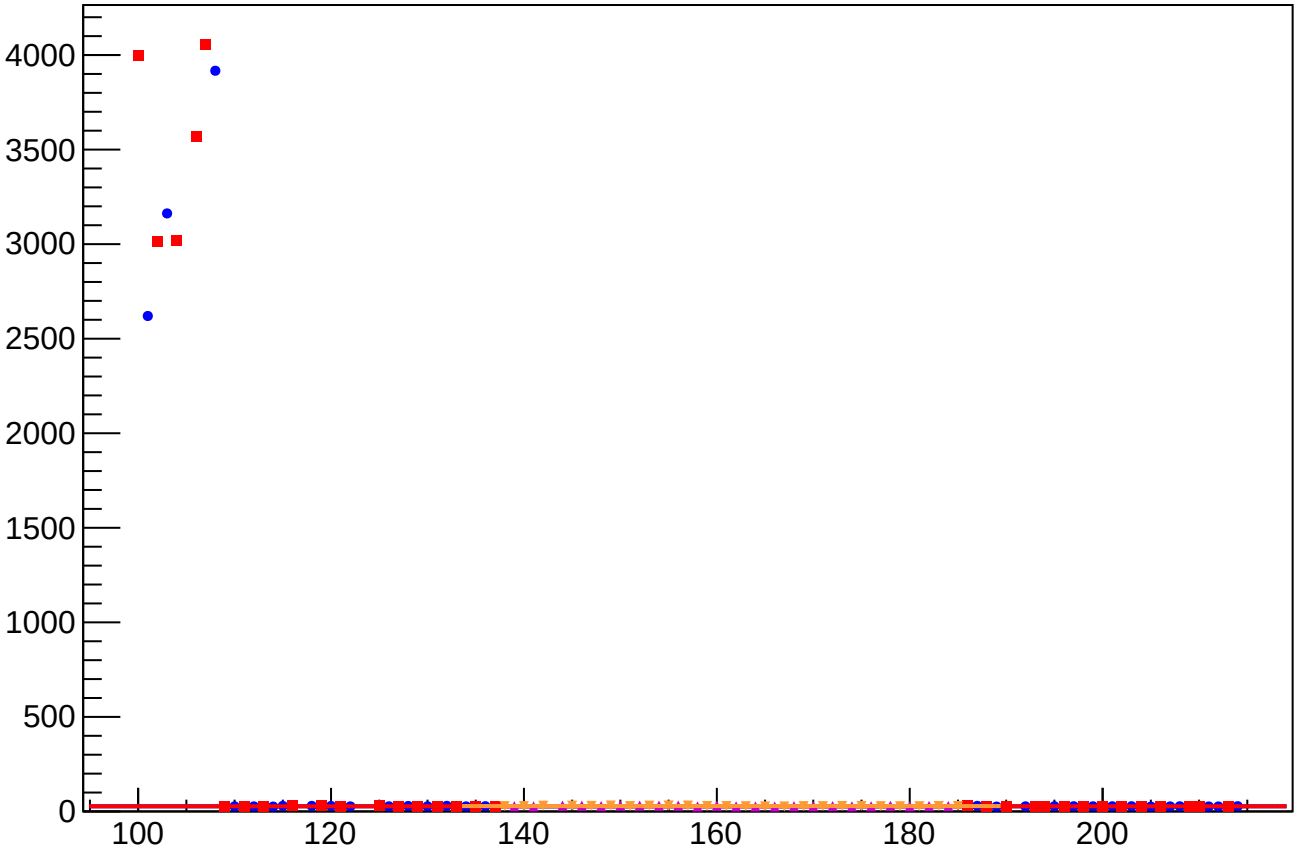
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -7.111+/-4.712 χ^2/NDF: 50.3/53

All: -5.812+/-3.347 χ^2/NDF: 110.2/108

- sign -4.489+/-4.755 χ^2/NDF: 59.7/54

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.245+/-0.005 χ^2/NDF: 3289111.4/29

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.301+/-0.005 χ^2/NDF: 3597438.7/31

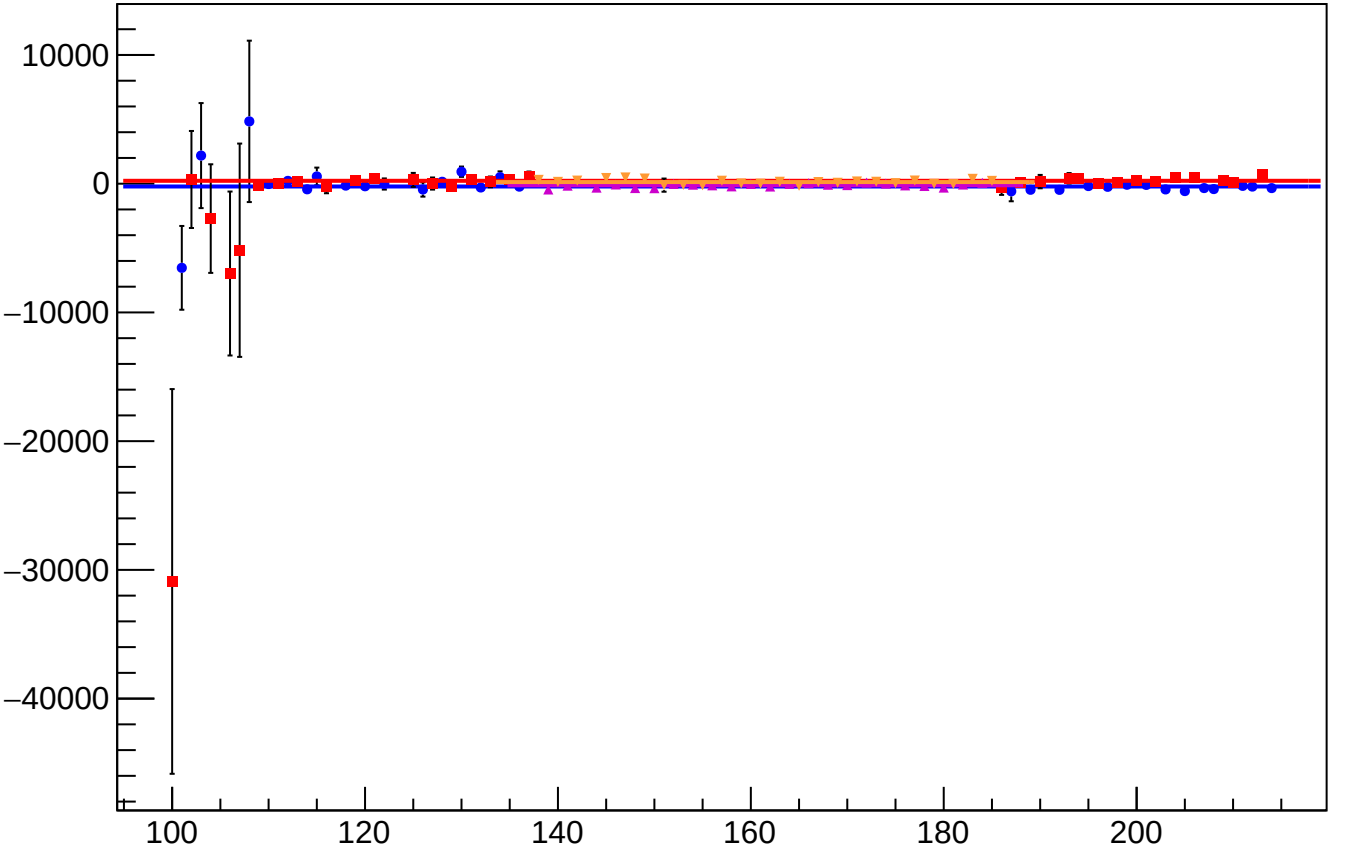
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

+ sign 27.921+/-0.003 χ^2/NDF: 3410964.2/53

All: 27.966+/-0.002 χ^2/NDF: 7181180.5/108

- sign 28.013+/-0.003 χ^2/NDF: 3769840.9/54

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -216.795+/-43.647 χ^2/NDF: 34.4/29

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 225.395+/-43.849 χ^2/NDF: 30.3/31

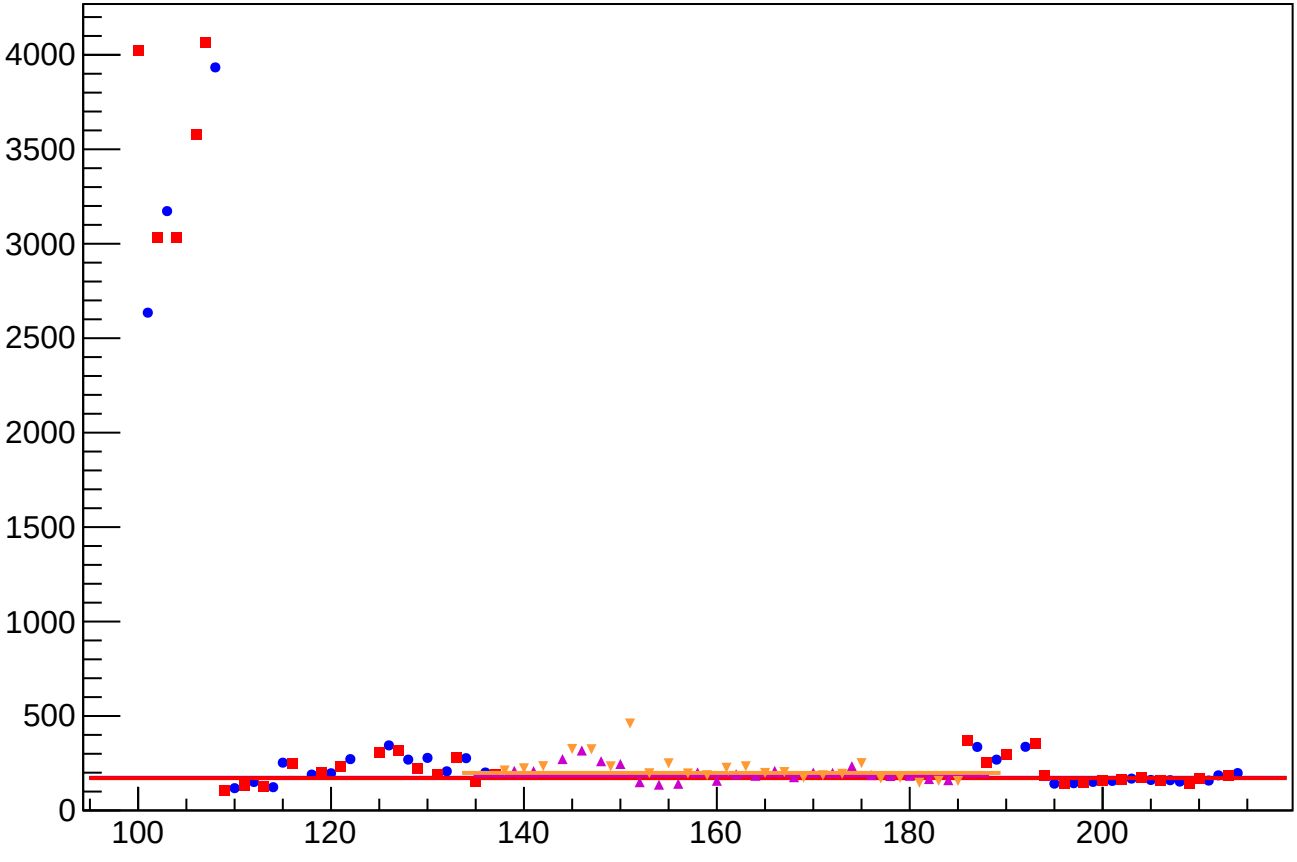
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

\+ sign -60.948+/-32.248 χ^2/NDF: 74.1/53

All: -0.760+/-22.523 χ^2/NDF: 149.8/108

\- sign 56.568+/-31.472 χ^2/NDF: 68.9/54

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 172.653+/-0.031 χ^2/NDF: 4918712.8/29

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 171.181+/-0.031 χ^2/NDF: 5417410.2/31

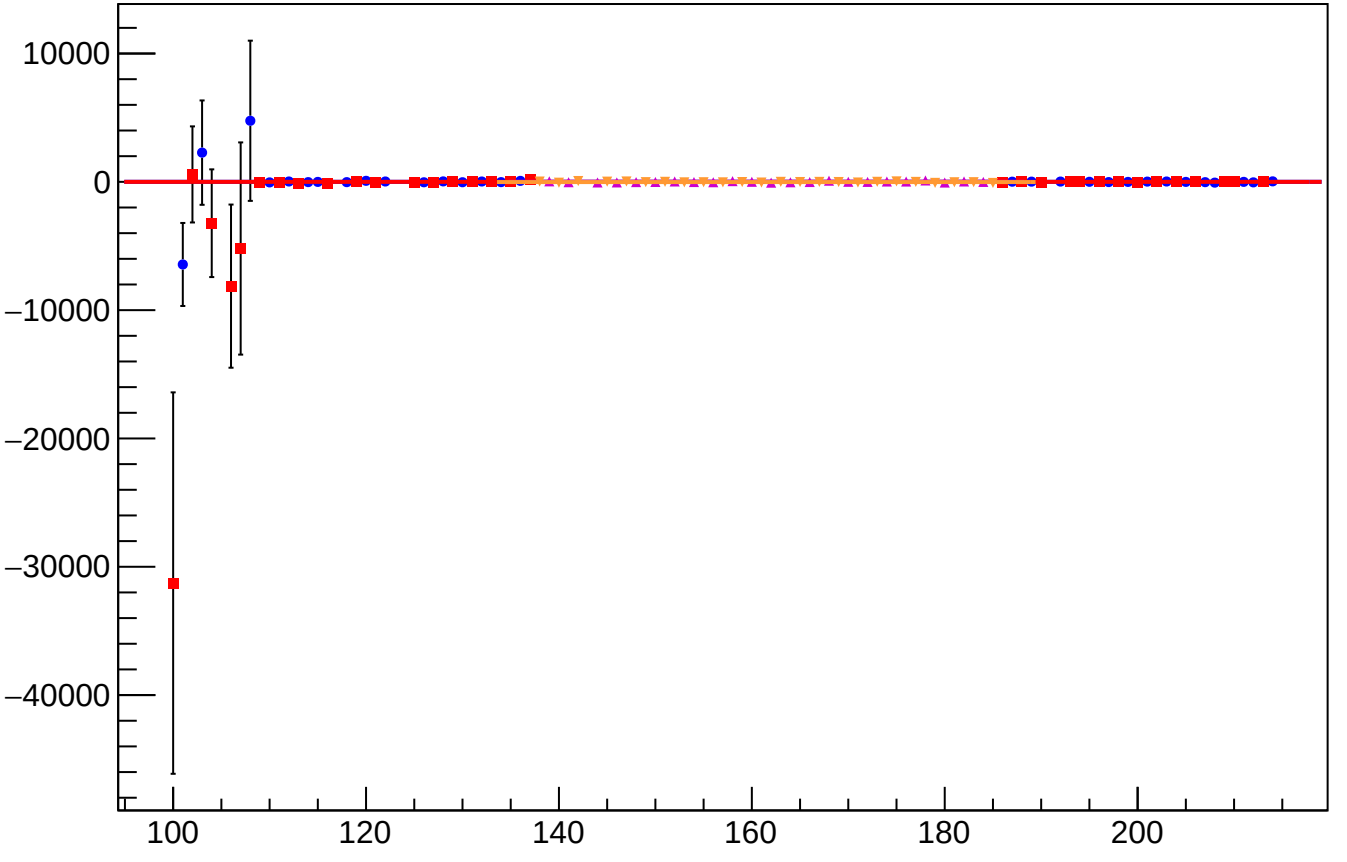
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 184.498+/-0.023 χ^2/NDF: 7029472.1/53

All: 181.326+/-0.016 χ^2/NDF: 13999055.8/10

- sign 178.303+/-0.022 χ^2/NDF: 6931780.2/54

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 2.792+/-7.373 χ^2/NDF: 25.7/29

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -0.632+/-7.420 χ^2/NDF: 42.8/31

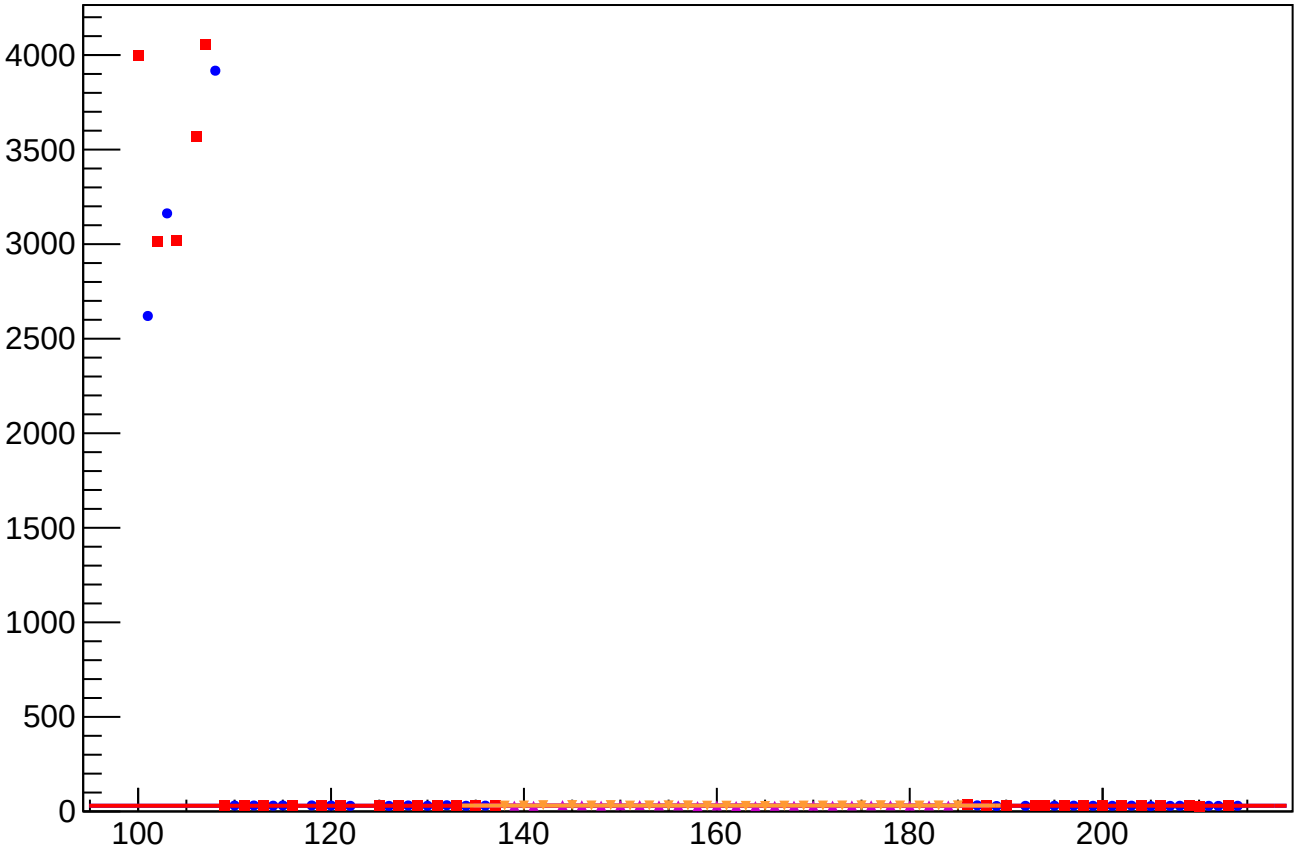
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -7.860+/-5.173 χ^2/NDF: 50.1/53

All: -3.444+/-3.675 χ^2/NDF: 130.0/108

- sign 1.055+/-5.221 χ^2/NDF: 78.5/54

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.106+/-0.005 χ^2/NDF: 3275523.3/29

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.172+/-0.005 χ^2/NDF: 3569919.2/31

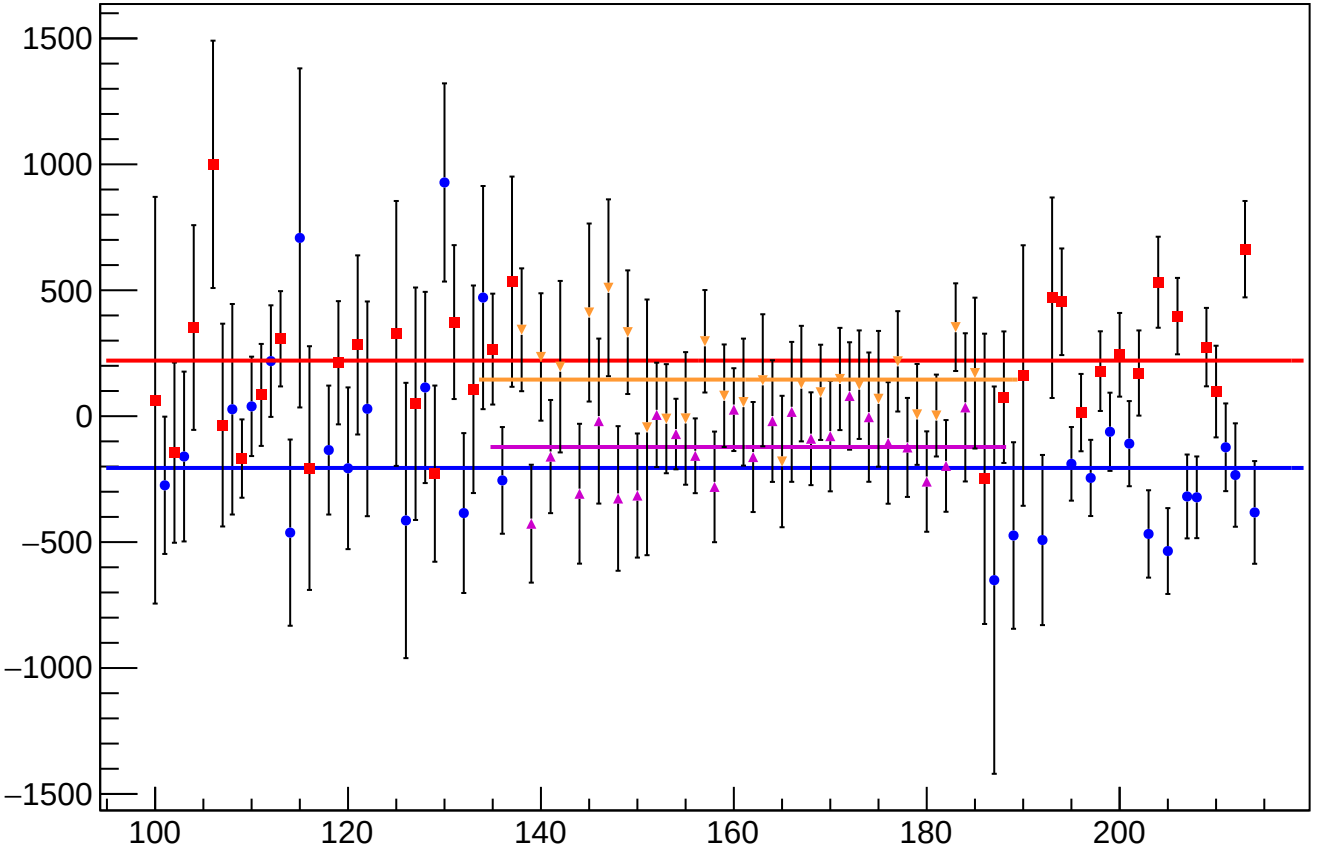
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.672+/-0.004 χ^2/NDF: 3346202.3/53

All: 30.727+/-0.003 χ^2/NDF: 7028517.6/108

- sign 30.782+/-0.004 χ^2/NDF: 3681871.0/54

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -205.560+/-41.695 χ^2/NDF: 31.0/29

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 220.705+/-41.376 χ^2/NDF: 29.4/31

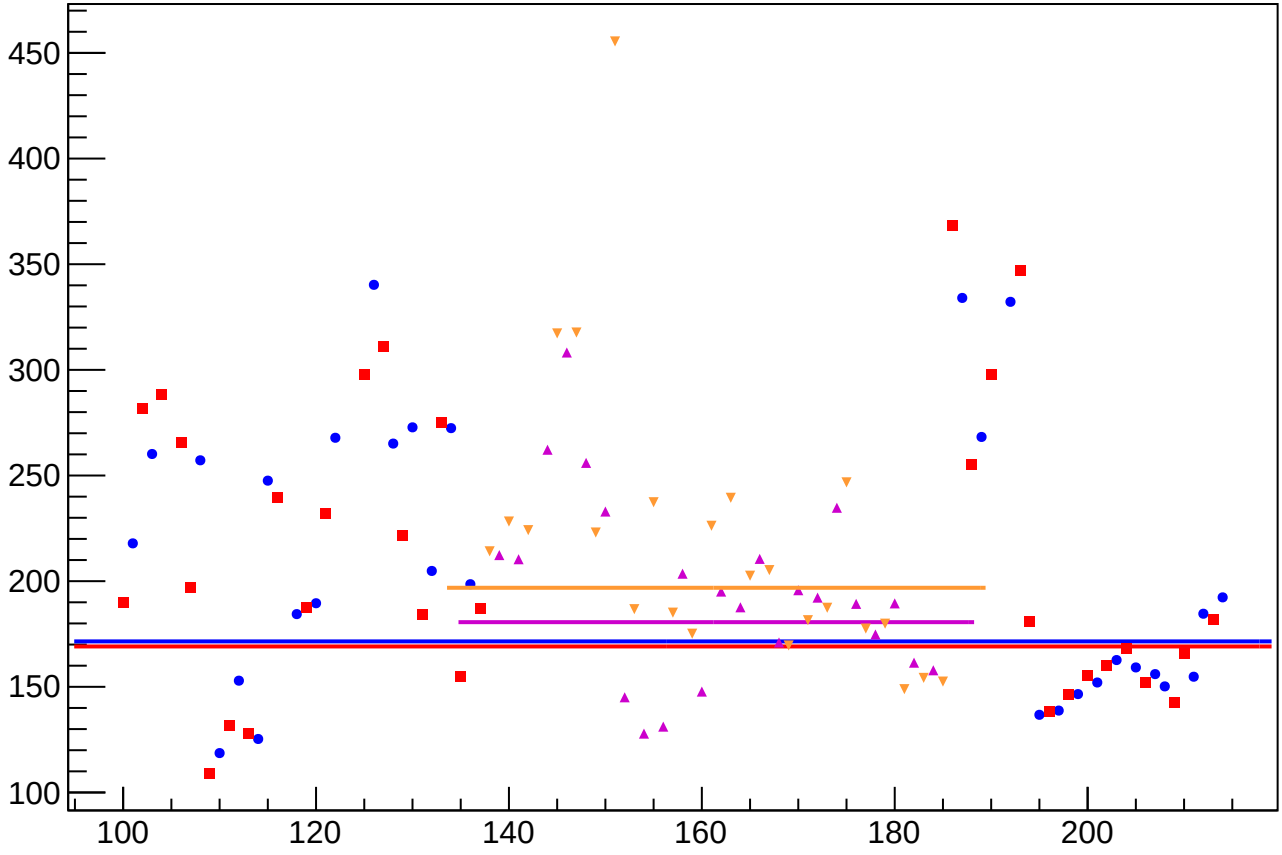
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -52.463+/-31.304 χ^2/NDF: 71.2/53

All: 5.852+/-21.723 χ^2/NDF: 147.4/108

\- sign 60.013+/-30.168 χ^2/NDF: 69.5/54

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 171.500+/-0.029 χ^2/NDF: 2289473.4/29

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 169.101+/-0.029 χ^2/NDF: 2761997.4/31

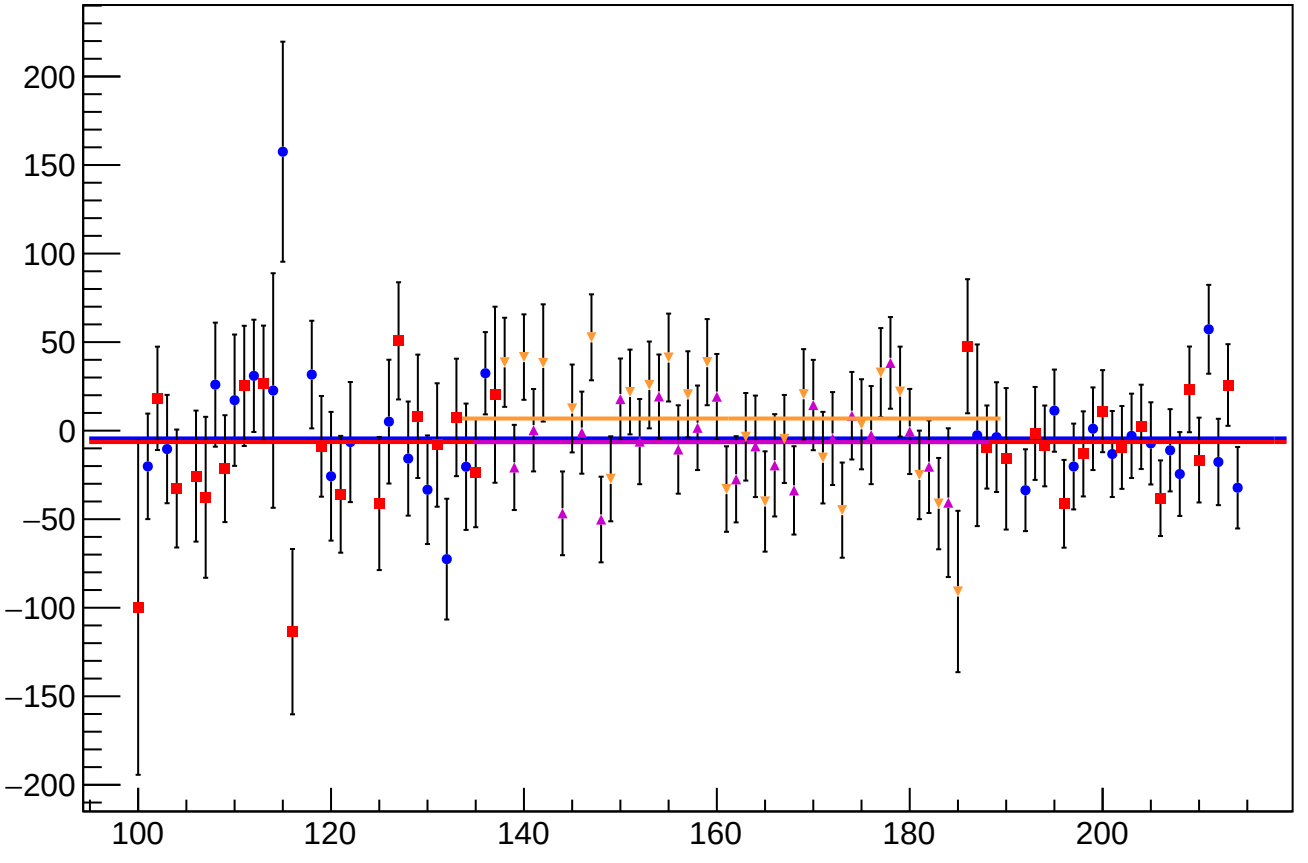
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 182.571+/-0.022 χ^2/NDF: 4337742.9/53

All: 178.380+/-0.015 χ^2/NDF: 8869315.4/108

- sign 174.488+/-0.021 χ^2/NDF: 4462434.3/54

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -4.397+/-5.194 χ^2/NDF: 30.4/29

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -6.438+/-5.170 χ^2/NDF: 26.9/31

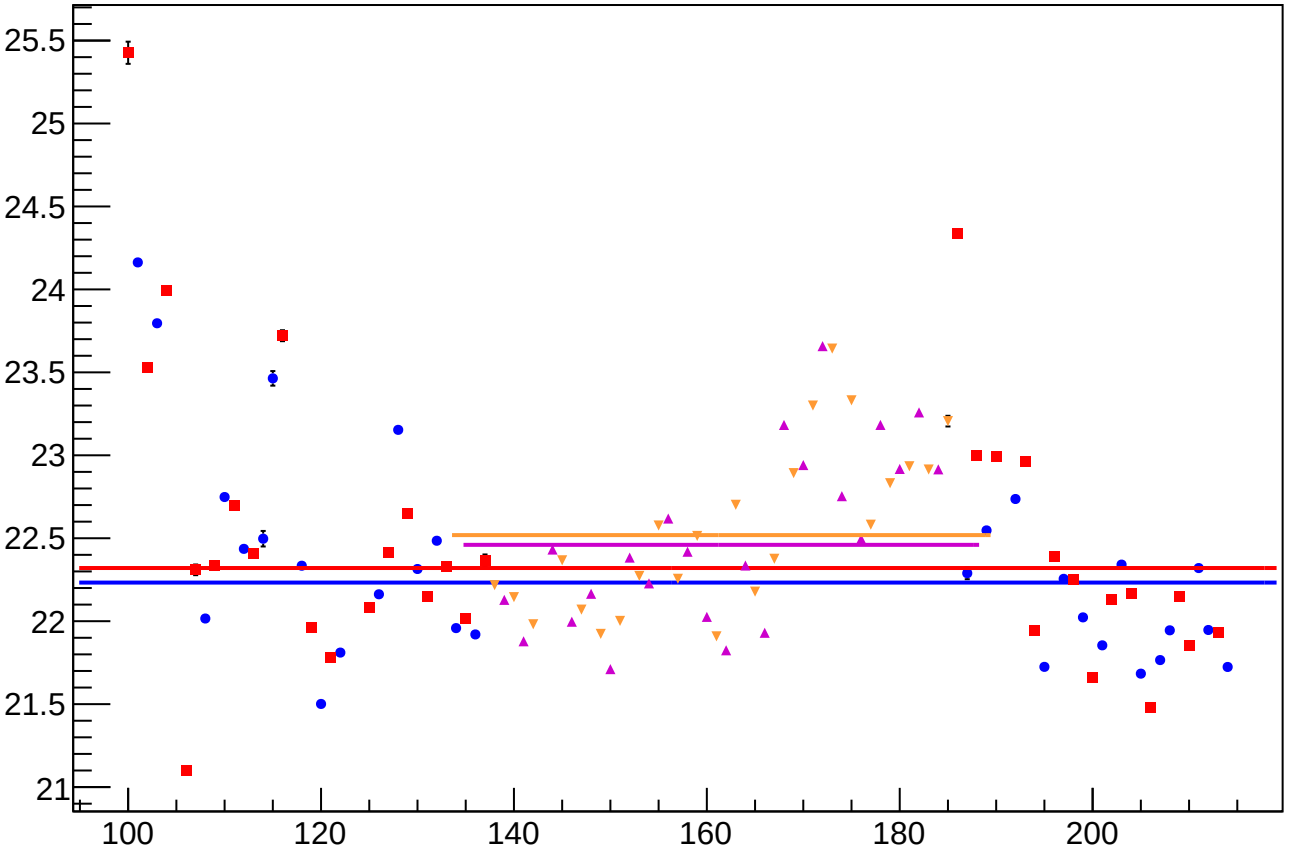
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 1.192+/-3.685 χ^2/NDF: 69.6/53

All: -2.636+/-2.605 χ^2/NDF: 116.1/108

- sign -6.460+/-3.682 χ^2/NDF: 44.3/54

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.233+/-0.004 χ^2/NDF: 24669.3/29

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.321+/-0.004 χ^2/NDF: 32308.9/31

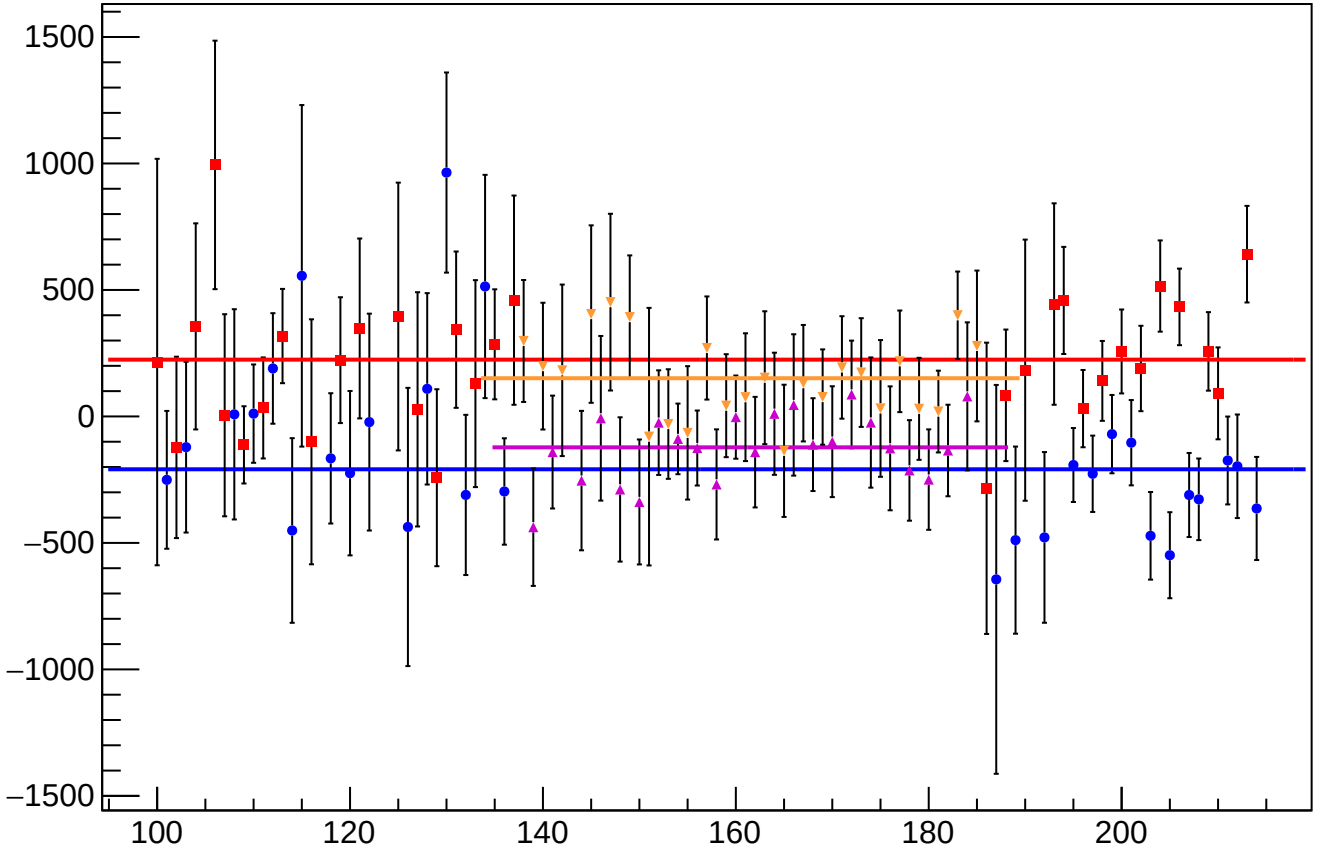
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.375+/-0.003 χ^2/NDF: 43683.2/53

All: 22.382+/-0.002 χ^2/NDF: 95843.8/108

- sign 22.389+/-0.003 χ^2/NDF: 52145.3/54

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -208.954+/-41.573 χ^2/NDF: 30.1/29

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 224.532+/-41.207 χ^2/NDF: 27.5/31

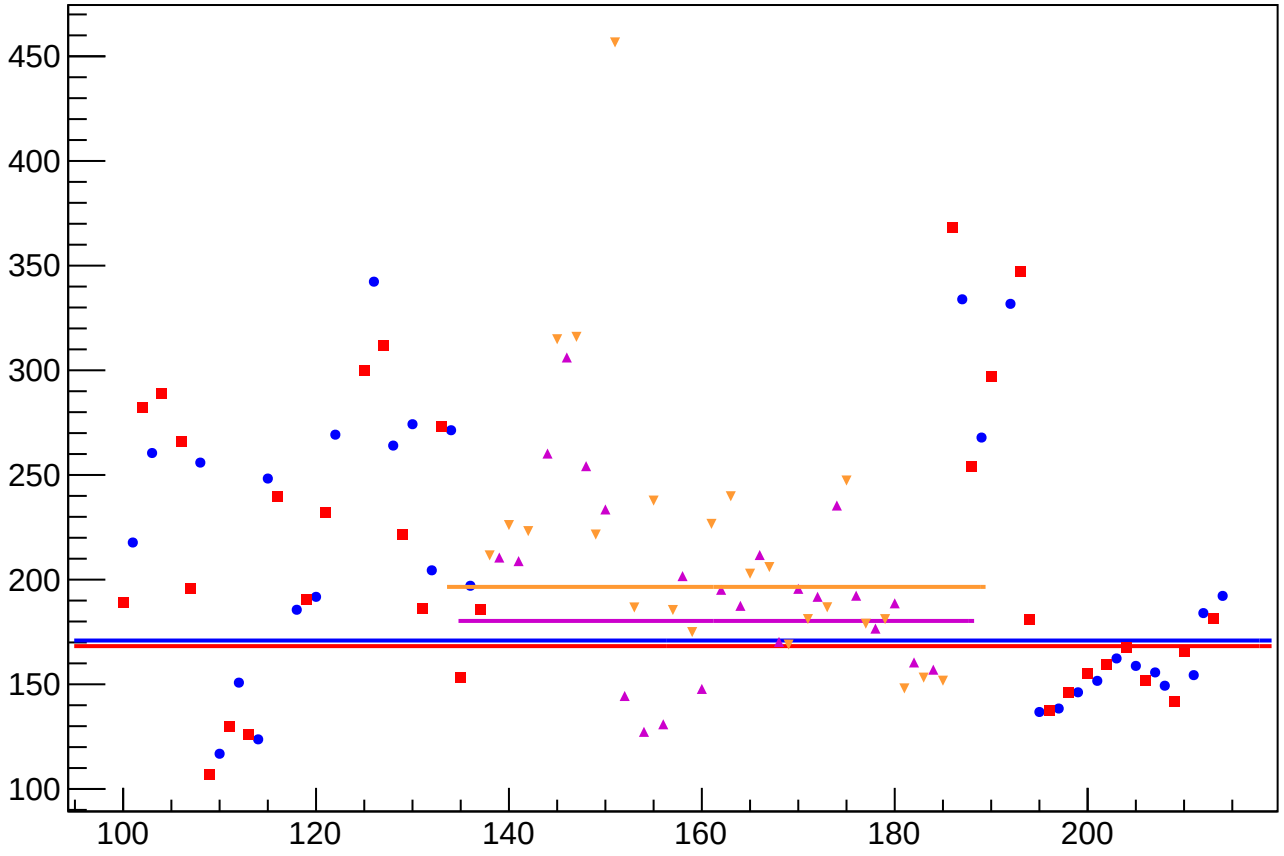
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -52.087+/-31.231 χ^2/NDF: 72.8/53

All: 7.389+/-21.665 χ^2/NDF: 147.8/108

- sign 62.558+/-30.079 χ^2/NDF: 68.0/54

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 170.916+/-0.029 χ^2/NDF: 2320735.0/29

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 168.237+/-0.029 χ^2/NDF: 2829614.2/31

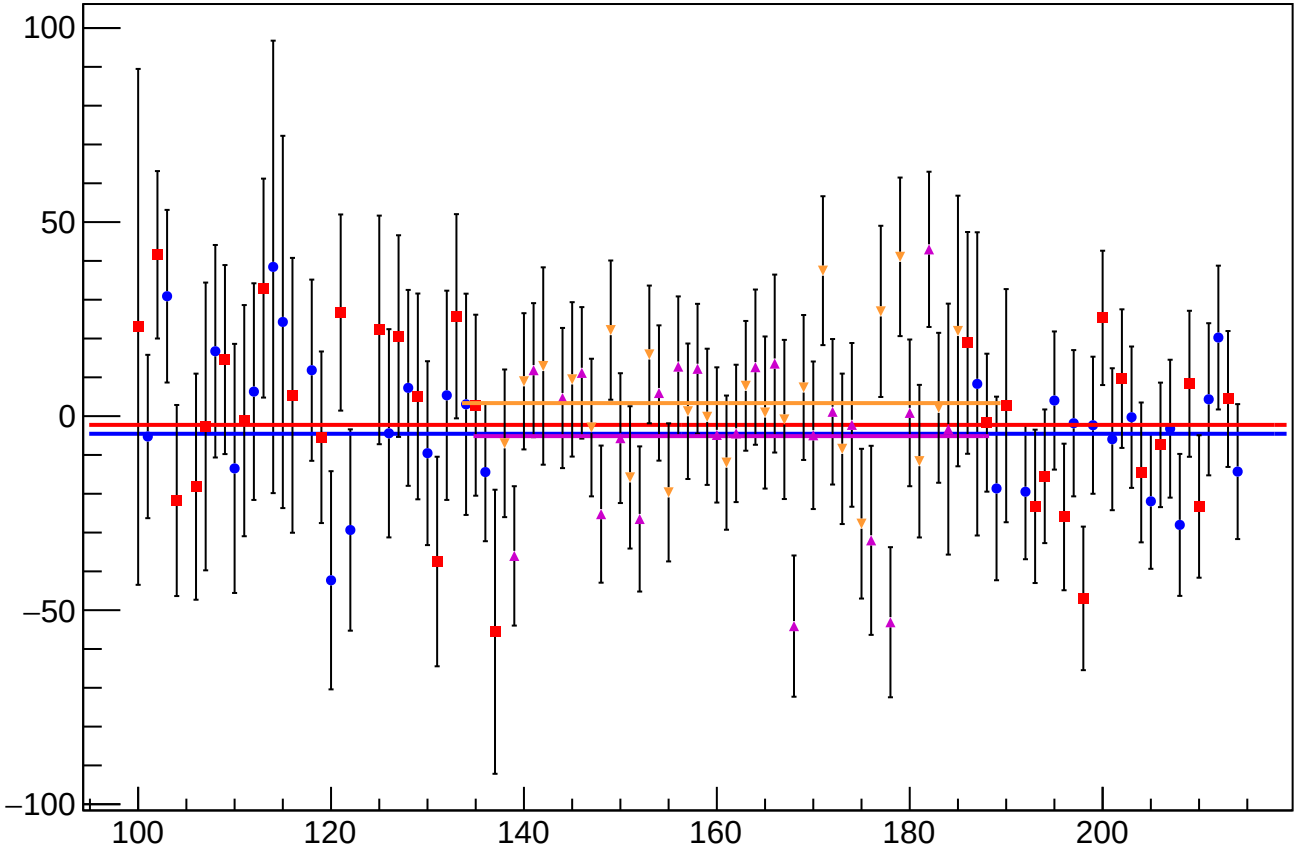
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 182.077+/-0.022 χ^2/NDF: 4379468.0/53

All: 177.814+/-0.015 χ^2/NDF: 8985308.7/108

- sign 173.861+/-0.021 χ^2/NDF: 4534033.5/54

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.546+/-3.987 χ^2/NDF: 14.8/29

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -2.252+/-3.968 χ^2/NDF: 30.2/31

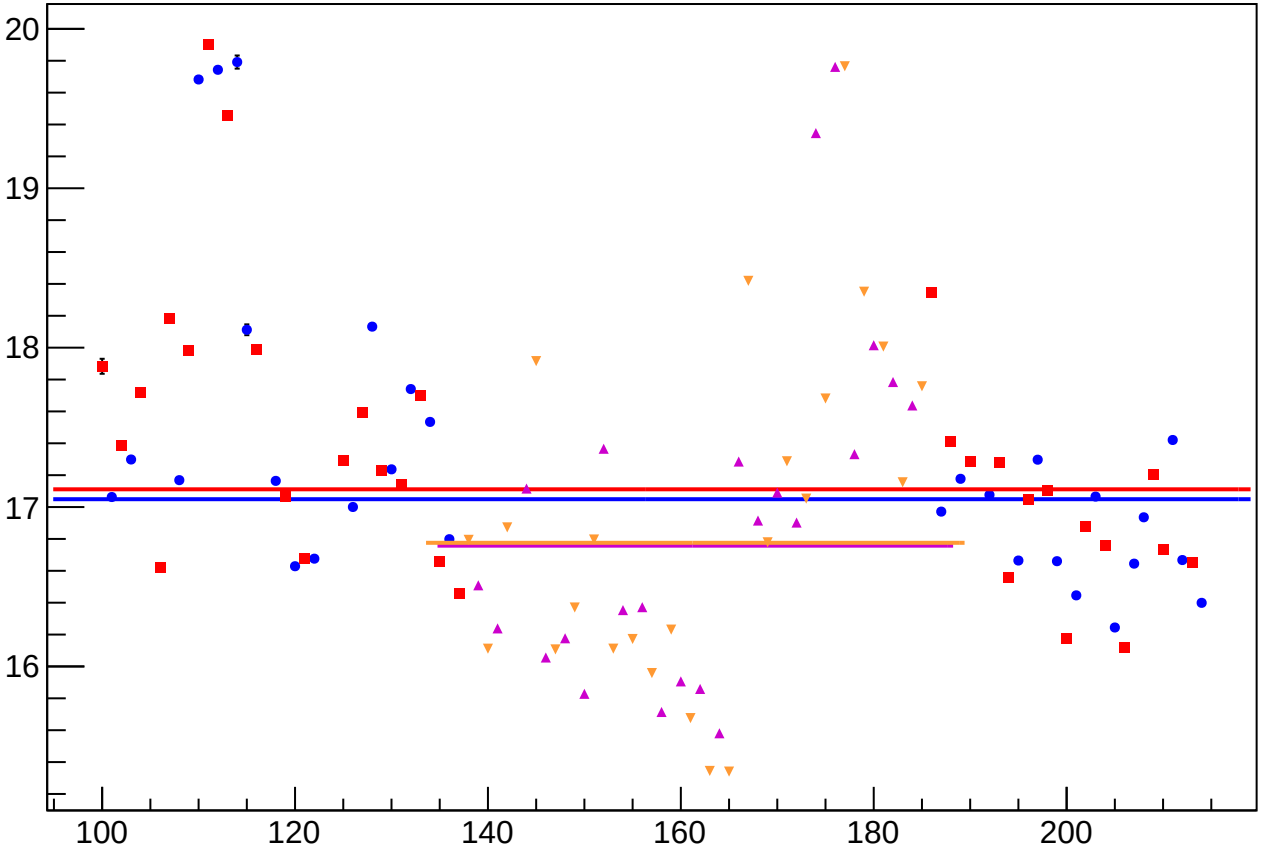
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.510+/-2.790 χ^2/NDF: 34.5/53

All: -2.114+/-1.973 χ^2/NDF: 97.9/108

- sign -3.717+/-2.790 χ^2/NDF: 62.8/54

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.049+/-0.003 χ^2/NDF: 59061.3/29

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.111+/-0.003 χ^2/NDF: 66484.3/31

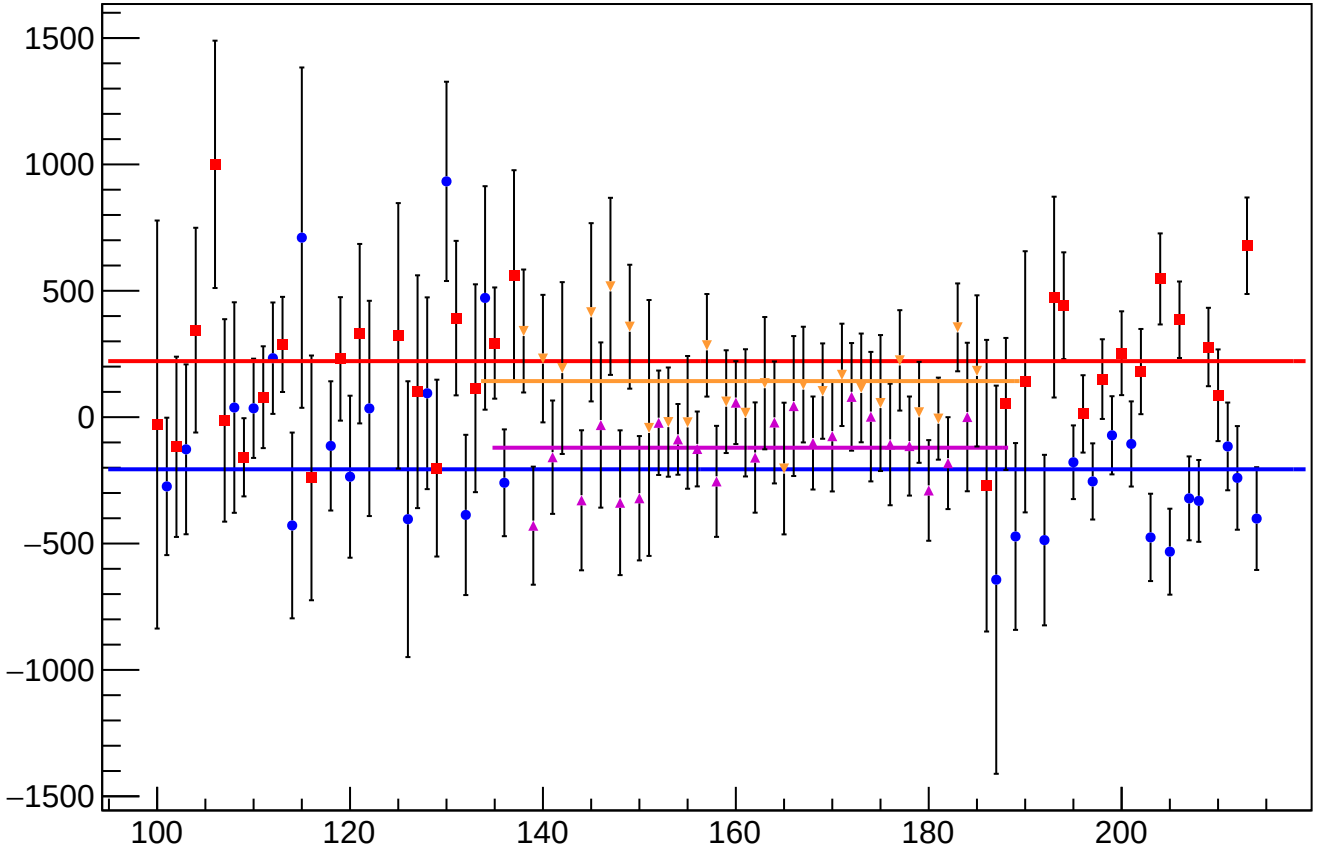
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.910+/-0.002 χ^2/NDF: 200007.6/53

All: 16.921+/-0.001 χ^2/NDF: 397895.1/108

- sign 16.933+/-0.002 χ^2/NDF: 197819.5/54

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -206.236+/-41.570 χ^2/NDF: 31.7/29

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 221.715+/-41.253 χ^2/NDF: 30.0/31

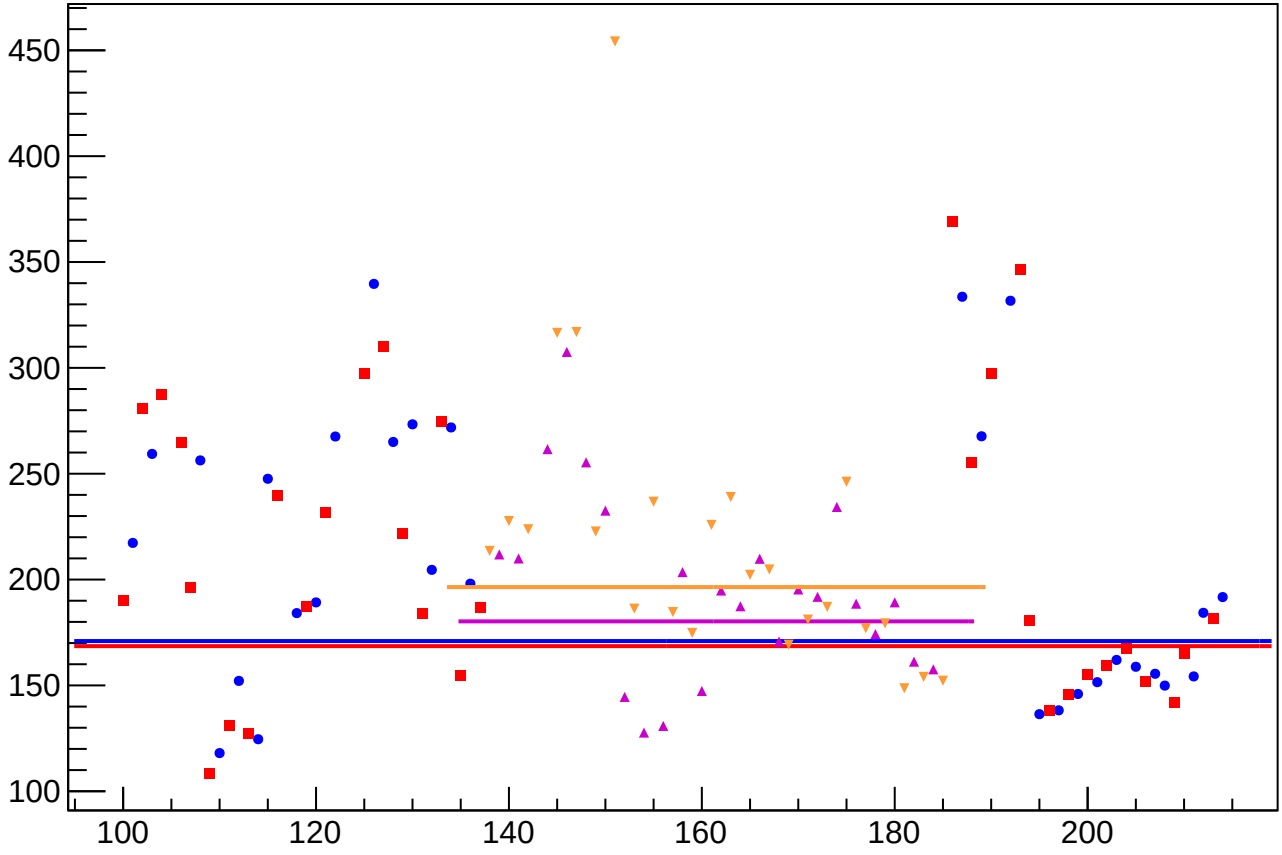
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -54.131+/-31.221 χ^2/NDF: 72.5/53

All: 5.772+/-21.667 χ^2/NDF: 150.1/108

- sign 61.421+/-30.093 χ^2/NDF: 70.5/54

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 170.954+/-0.029 χ^2/NDF: 2302233.8/29

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 168.555+/-0.029 χ^2/NDF: 2779353.8/31

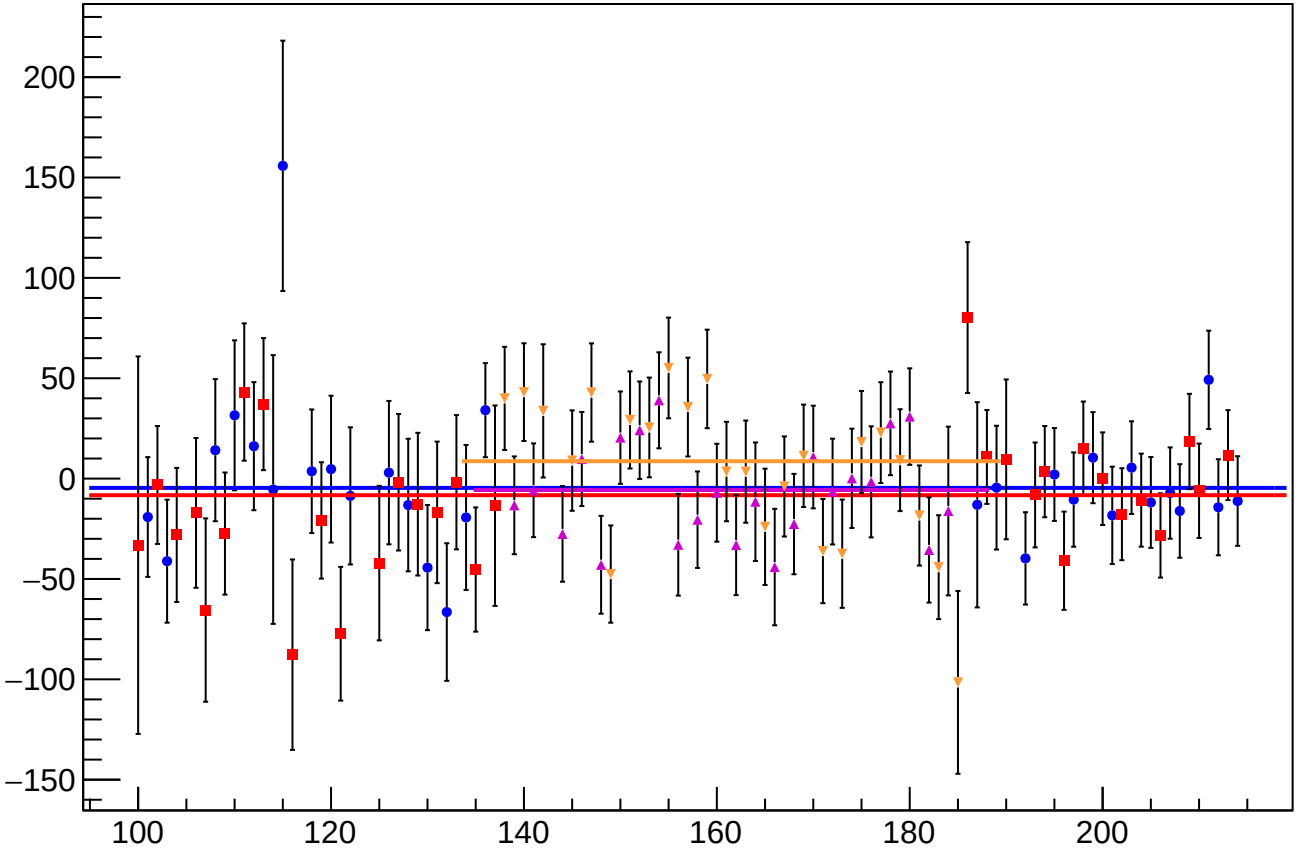
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

\+ sign 182.069+/-0.022 χ^2/NDF: 4353773.3/53

All: 177.899+/-0.015 χ^2/NDF: 8904902.5/108

\- sign 174.026+/-0.021 χ^2/NDF: 4482314.9/54

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -4.626+/-5.152 χ^2/NDF: 26.9/29

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -8.266+/-5.144 χ^2/NDF: 29.0/31

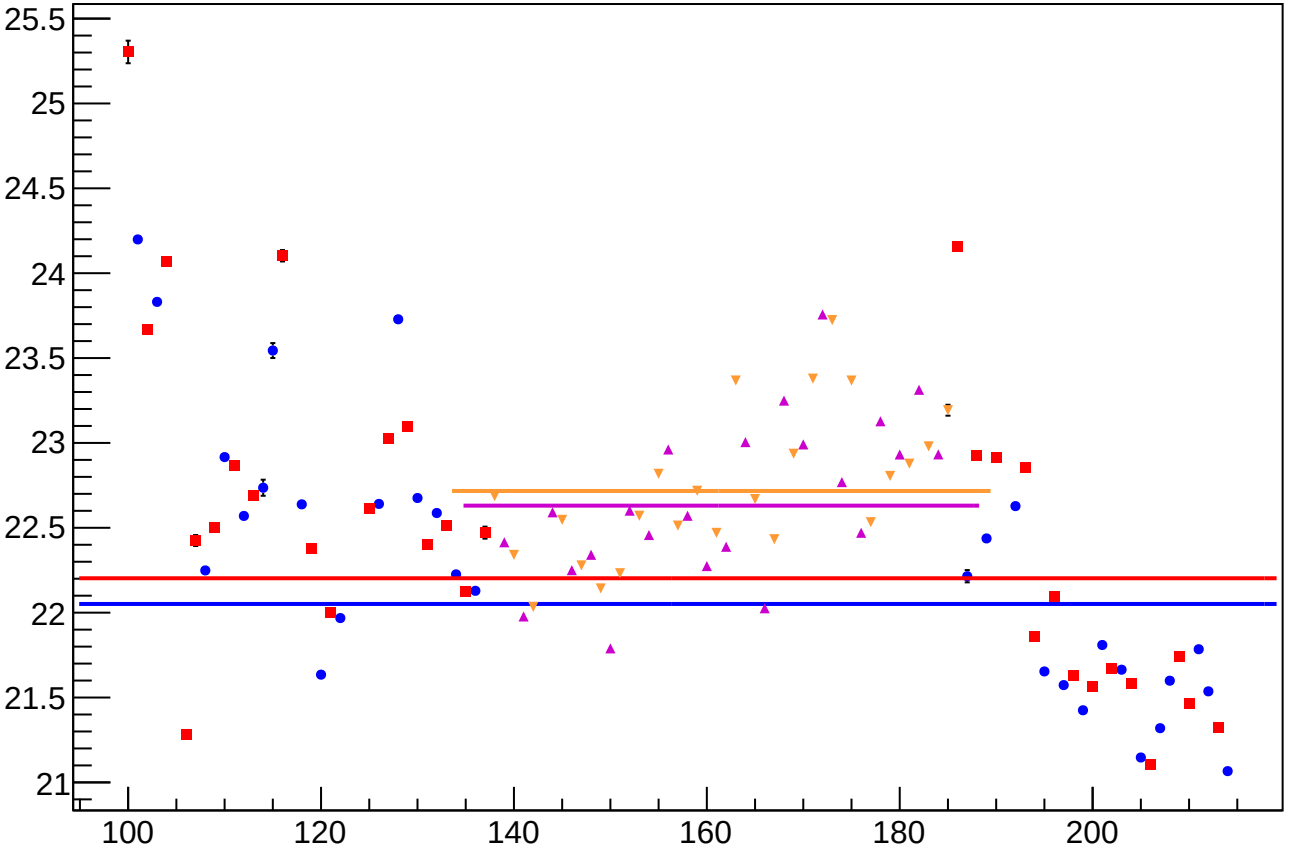
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.863+/-3.686 χ^2/NDF: 69.3/53

All: -2.569+/-2.607 χ^2/NDF: 122.1/108

- sign -7.003+/-3.687 χ^2/NDF: 49.9/54

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.051+/-0.004 χ^2/NDF: 44560.1/29

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.203+/-0.004 χ^2/NDF: 48636.0/31

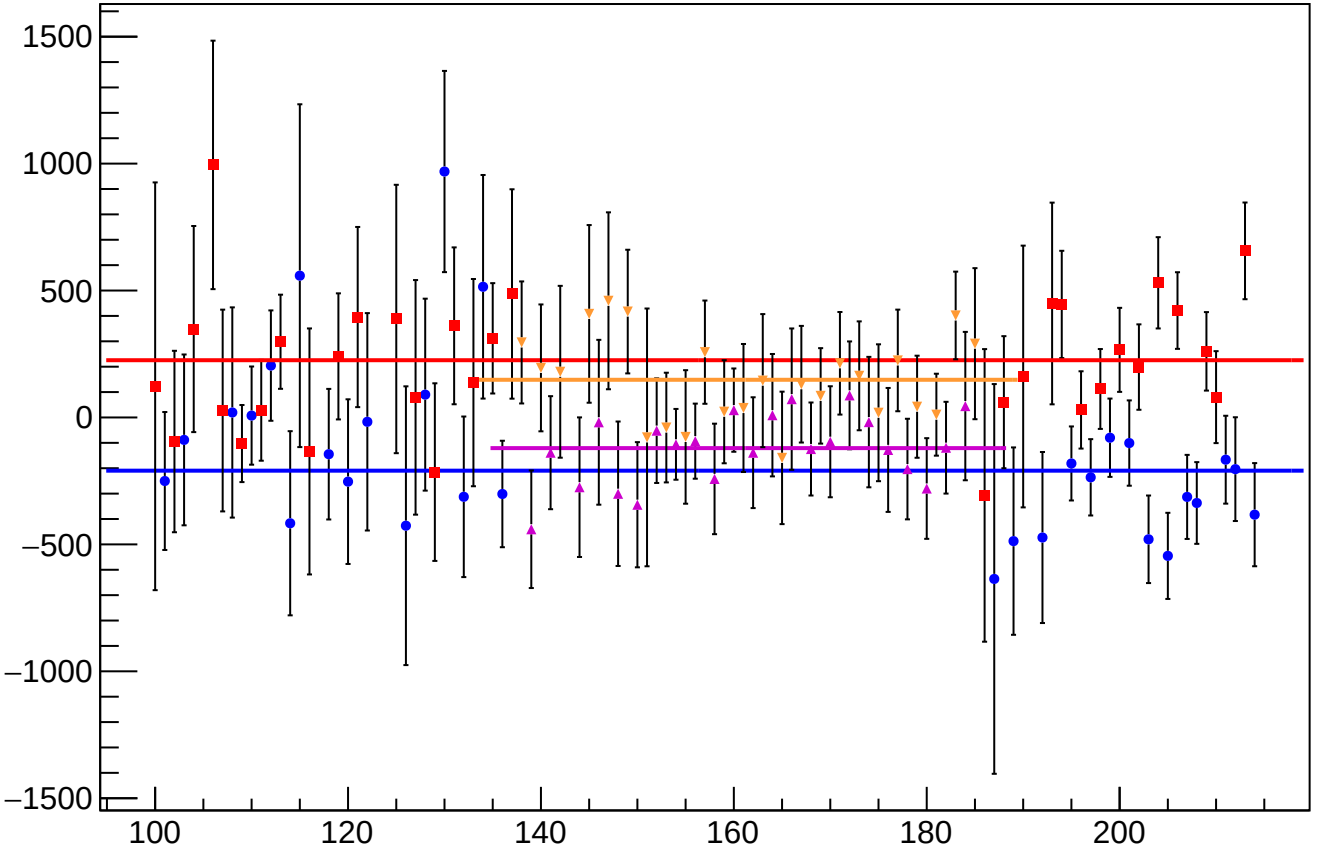
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.376+/-0.003 χ^2/NDF: 73039.1/53

All: 22.394+/-0.002 χ^2/NDF: 143882.1/108

- sign 22.411+/-0.003 χ^2/NDF: 70755.4/54

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -209.610+/-41.447 χ^2/NDF: 30.7/29

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 225.512+/-41.083 χ^2/NDF: 28.1/31

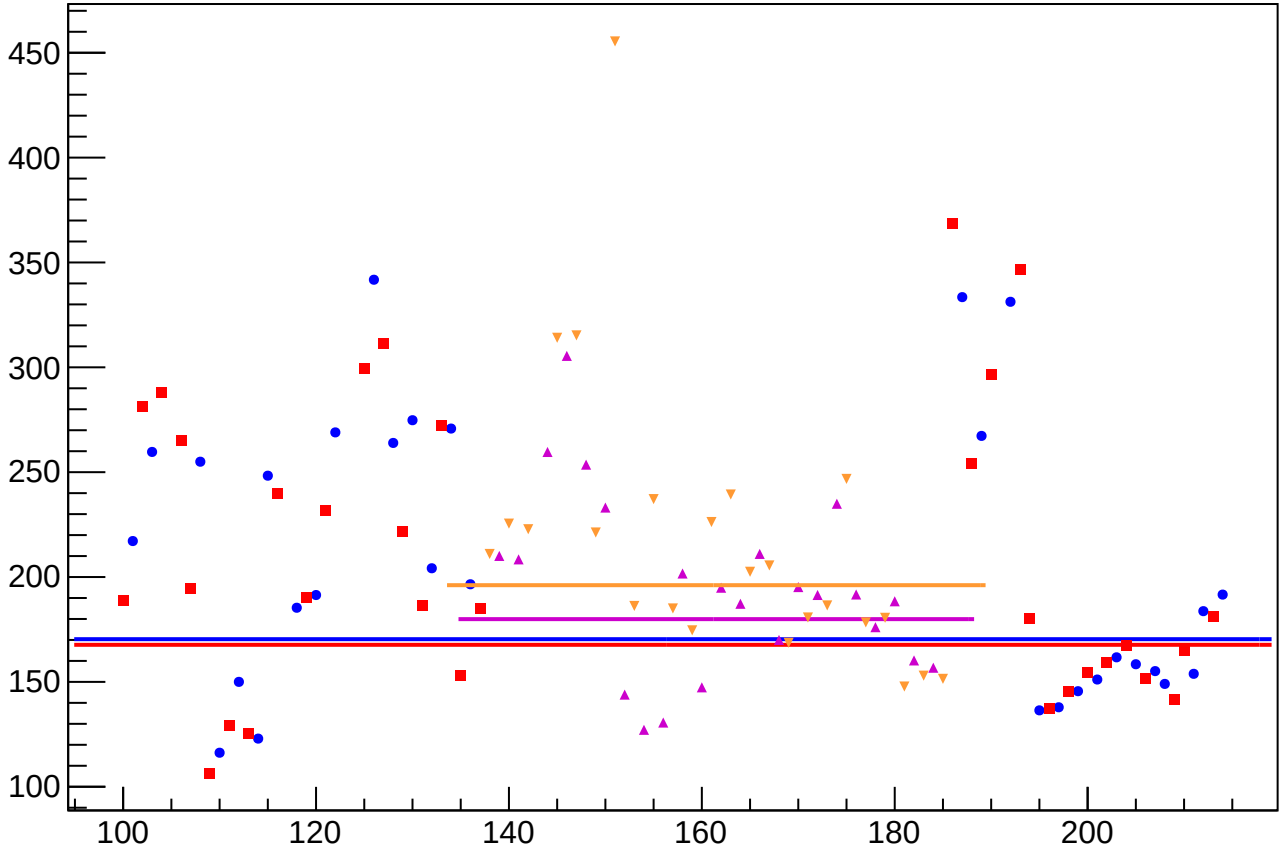
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -53.779+/-31.148 χ^2/NDF: 74.1/53

All: 7.274+/-21.609 χ^2/NDF: 150.7/108

- sign 63.921+/-30.003 χ^2/NDF: 69.1/54

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 170.366+/-0.029 χ^2/NDF: 2333989.1/29

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.684+/-0.029 χ^2/NDF: 2847820.6/31

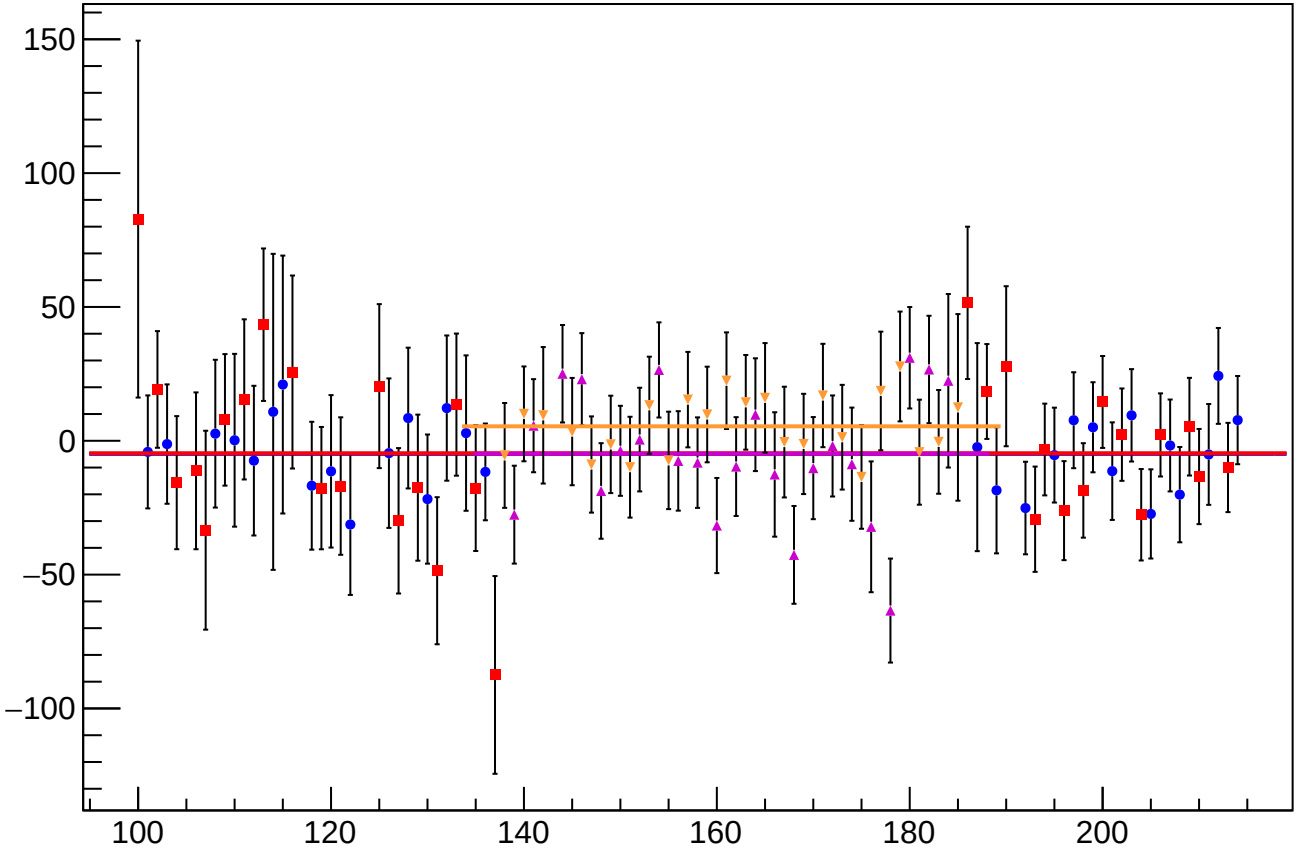
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

\+ sign 181.572+/-0.022 χ^2/NDF: 4396168.5/53

All: 177.331+/-0.015 χ^2/NDF: 9022451.6/108

\- sign 173.396+/-0.021 χ^2/NDF: 4554802.5/54

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -4.869+/-3.929 χ^2/NDF: 12.3/29

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.678+/-3.927 χ^2/NDF: 33.1/31

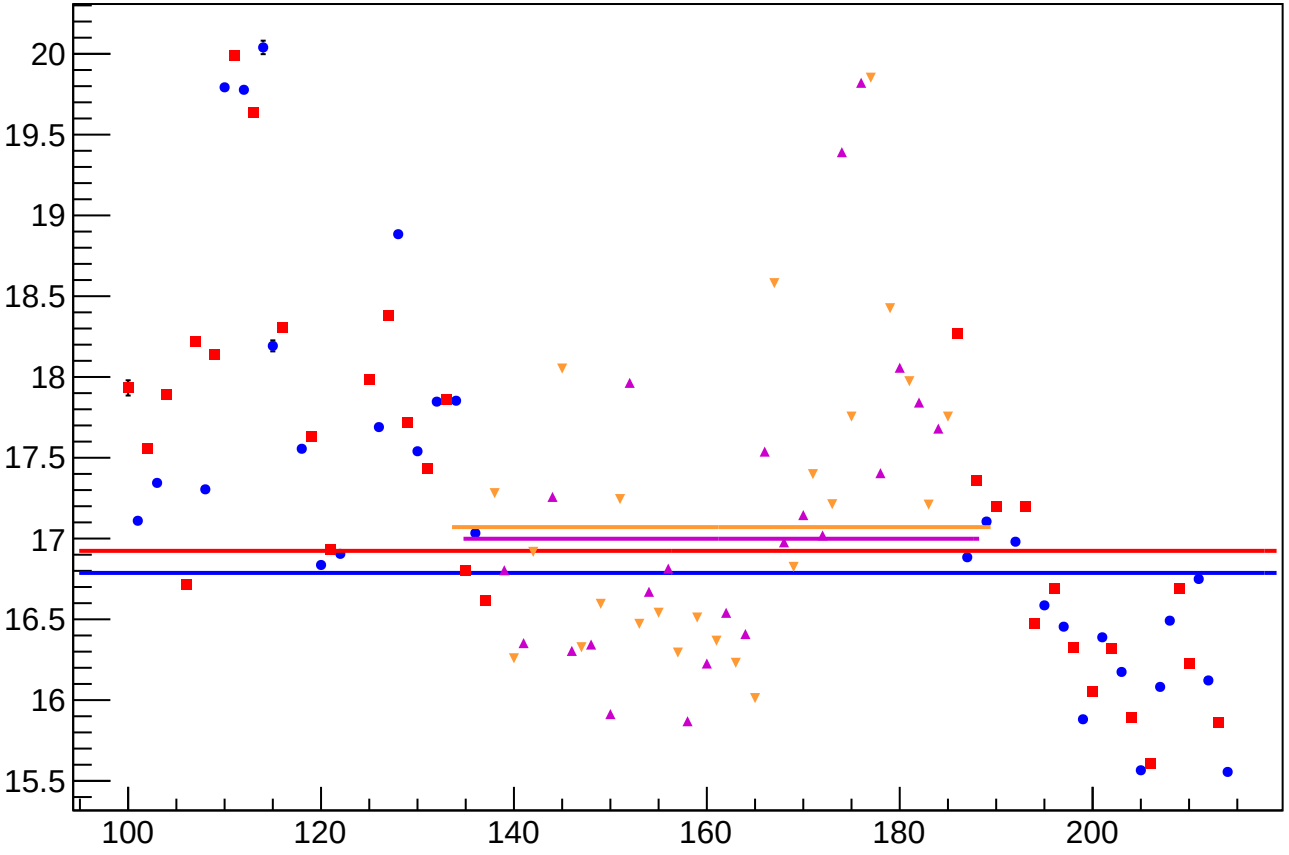
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.213+/-2.793 χ^2/NDF: 23.5/53

All: -2.275+/-1.976 χ^2/NDF: 93.7/108

- sign -4.767+/-2.795 χ^2/NDF: 68.6/54

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.787+/-0.003 χ^2/NDF: 114863.6/29

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.924+/-0.003 χ^2/NDF: 120908.7/31

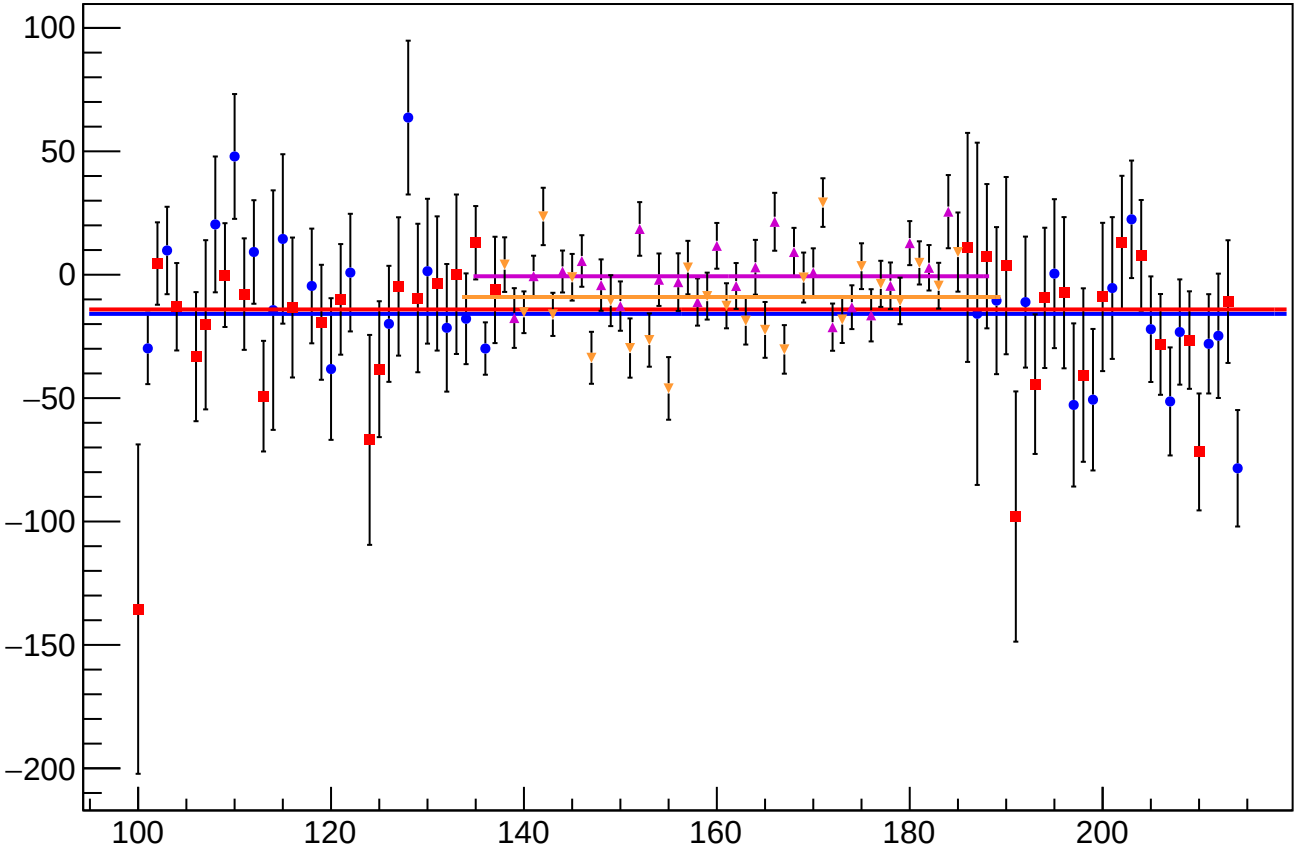
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

\+ sign 16.927+/-0.002 χ^2/NDF: 216323.9/53

All: 16.944+/-0.001 χ^2/NDF: 441754.9/108

\- sign 16.961+/-0.002 χ^2/NDF: 225288.8/54

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -15.865+/-4.159 χ^2/NDF: 39.5/29

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -14.069+/-4.311 χ^2/NDF: 28.8/33

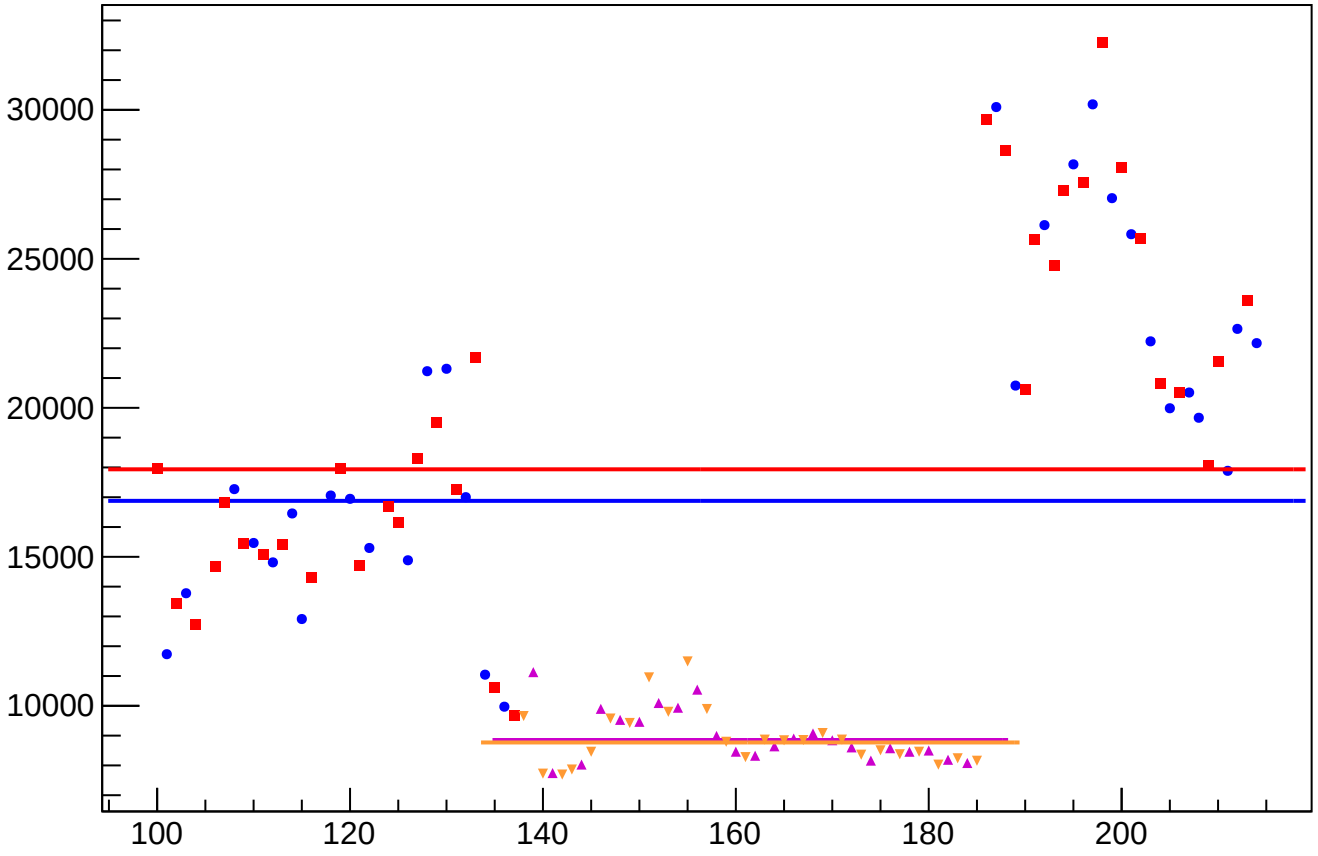
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -10.318+/-1.807 χ^2/NDF: 103.7/54

All: -6.869+/-1.300 χ^2/NDF: 177.5/111

- sign -3.165+/-1.873 χ^2/NDF: 66.2/56

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16878.412+/-2.941 χ^2/NDF: 3365047.1/29

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17936.973+/-3.048 χ^2/NDF: 3254526.3/33

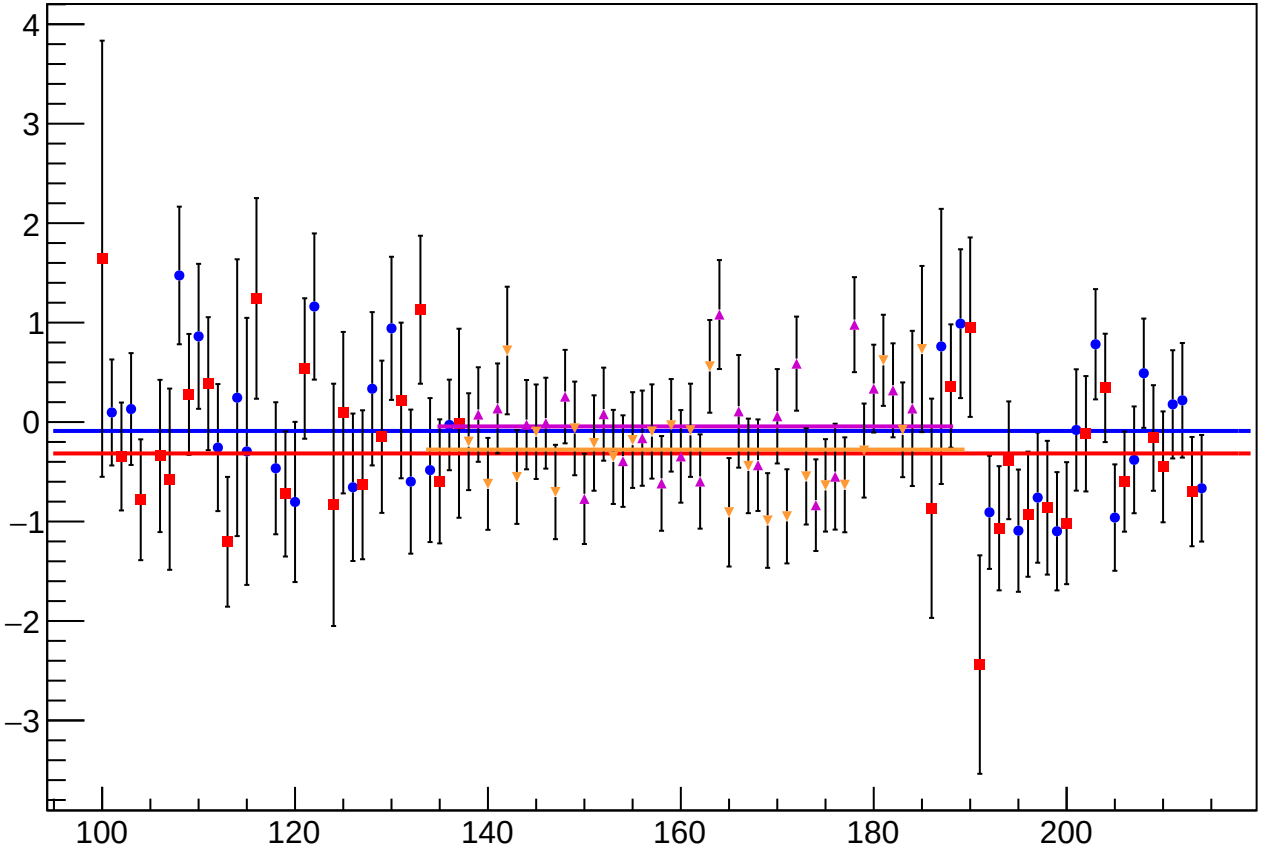
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 10301.133+/-1.278 χ^2/NDF: 9876402.2/54

All: 10429.451+/-0.920 χ^2/NDF: 20656416.6

- sign 10567.265+/-1.324 χ^2/NDF: 10759100.5/56

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.089+/-0.117 χ^2/NDF: 34.3/29

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.316+/-0.117 χ^2/NDF: 28.9/33

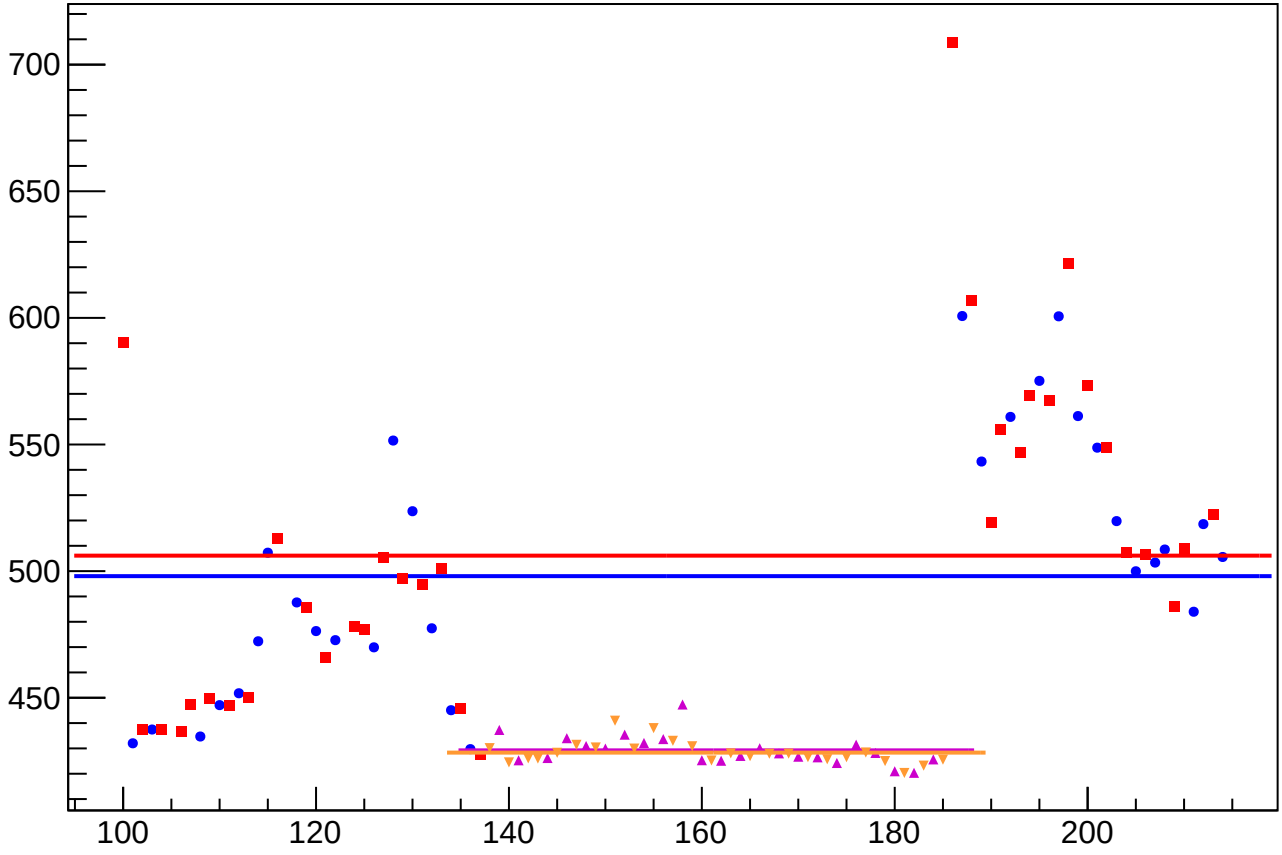
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.200+/-0.075 χ^2/NDF: 56.9/54

All: -0.180+/-0.053 χ^2/NDF: 112.9/111

- sign -0.159+/-0.076 χ^2/NDF: 55.8/56

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.021+/-0.083 χ^2/NDF: 336460.0/29

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.115+/-0.082 χ^2/NDF: 451720.4/33

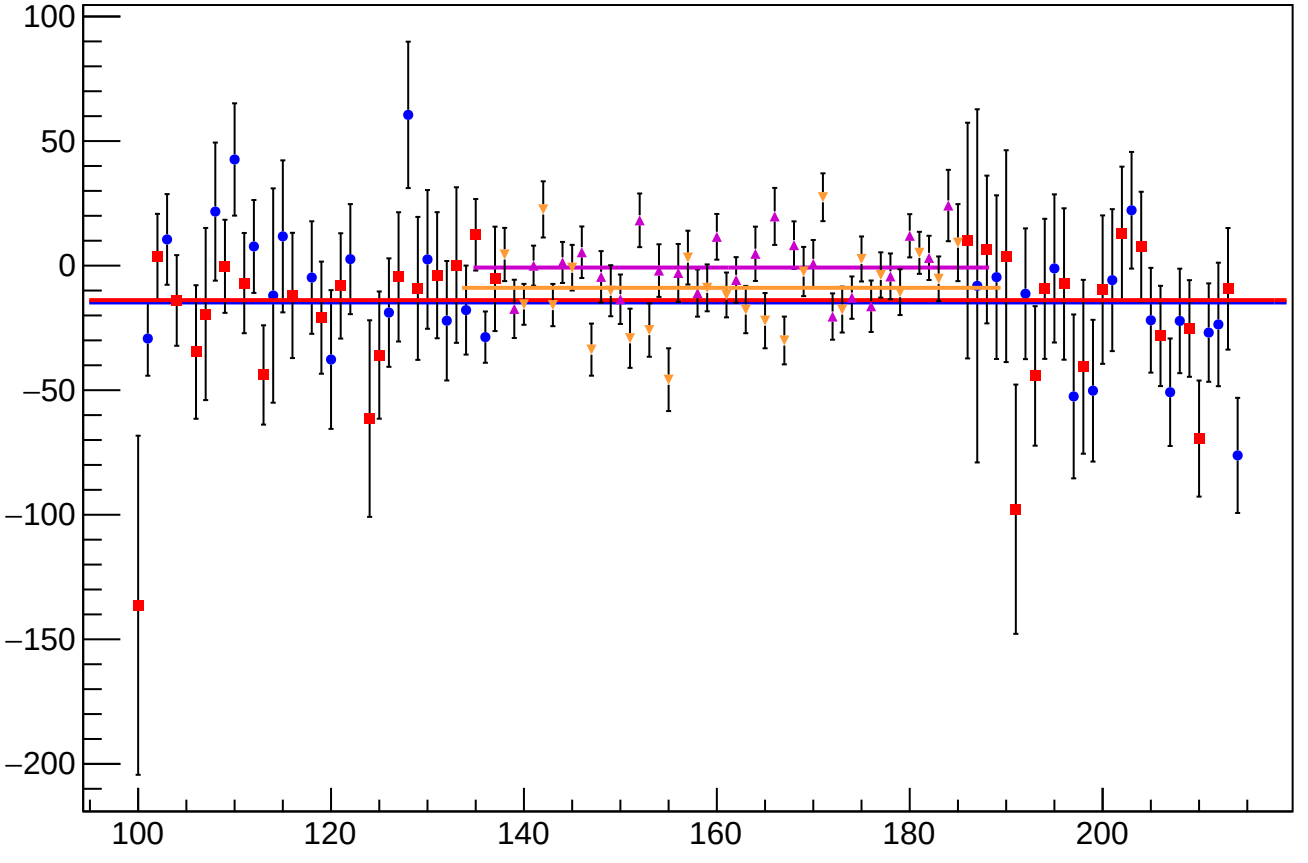
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 456.869+/-0.053 χ^2/NDF: 760336.7/54

All: 459.336+/-0.038 χ^2/NDF: 1723088.5/11

- sign 461.885+/-0.054 χ^2/NDF: 958327.4/56

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -14.783+/-4.045 χ^2/NDF: 40.1/29

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

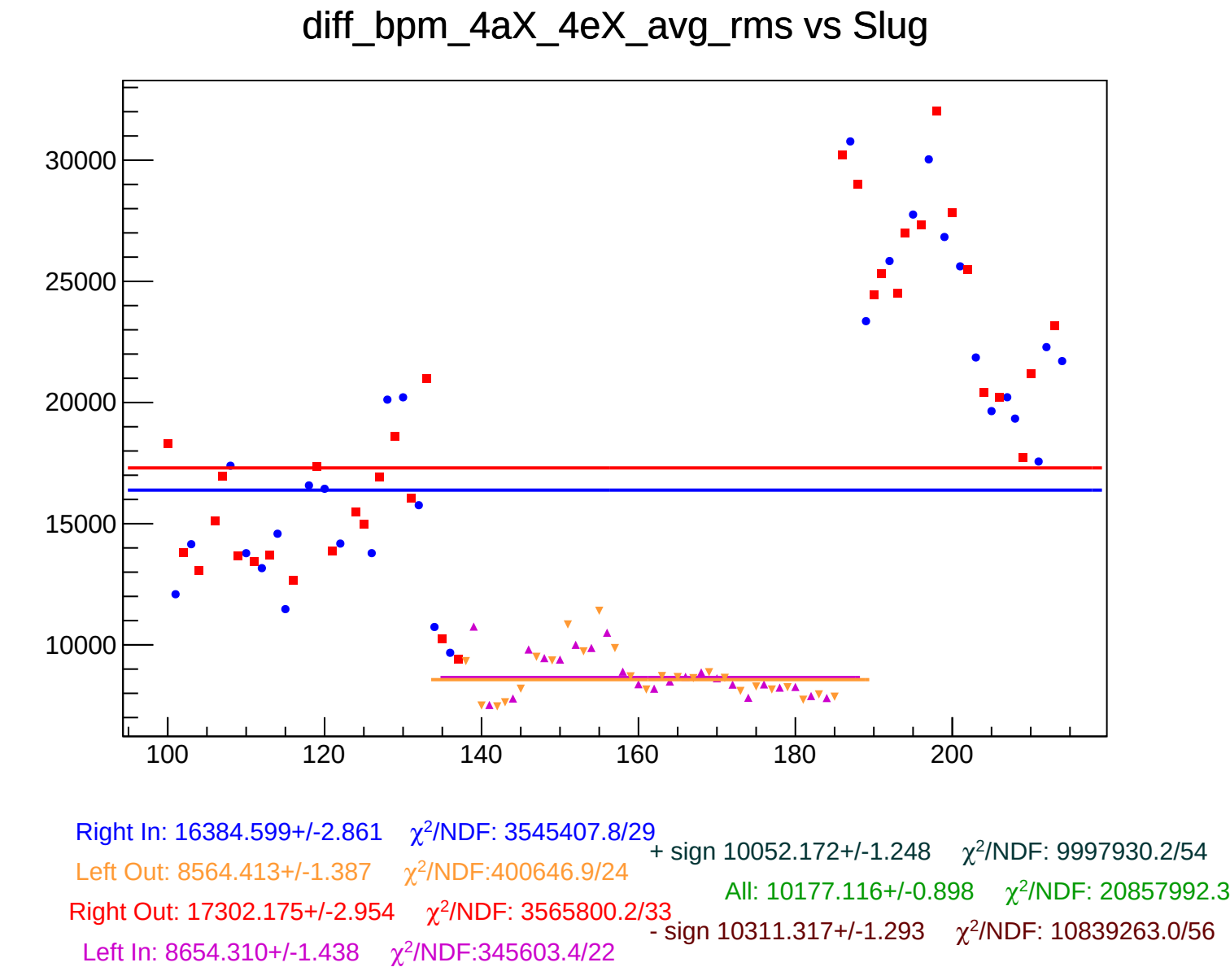
Right Out: -13.846+/-4.178 χ^2/NDF: 28.3/33

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

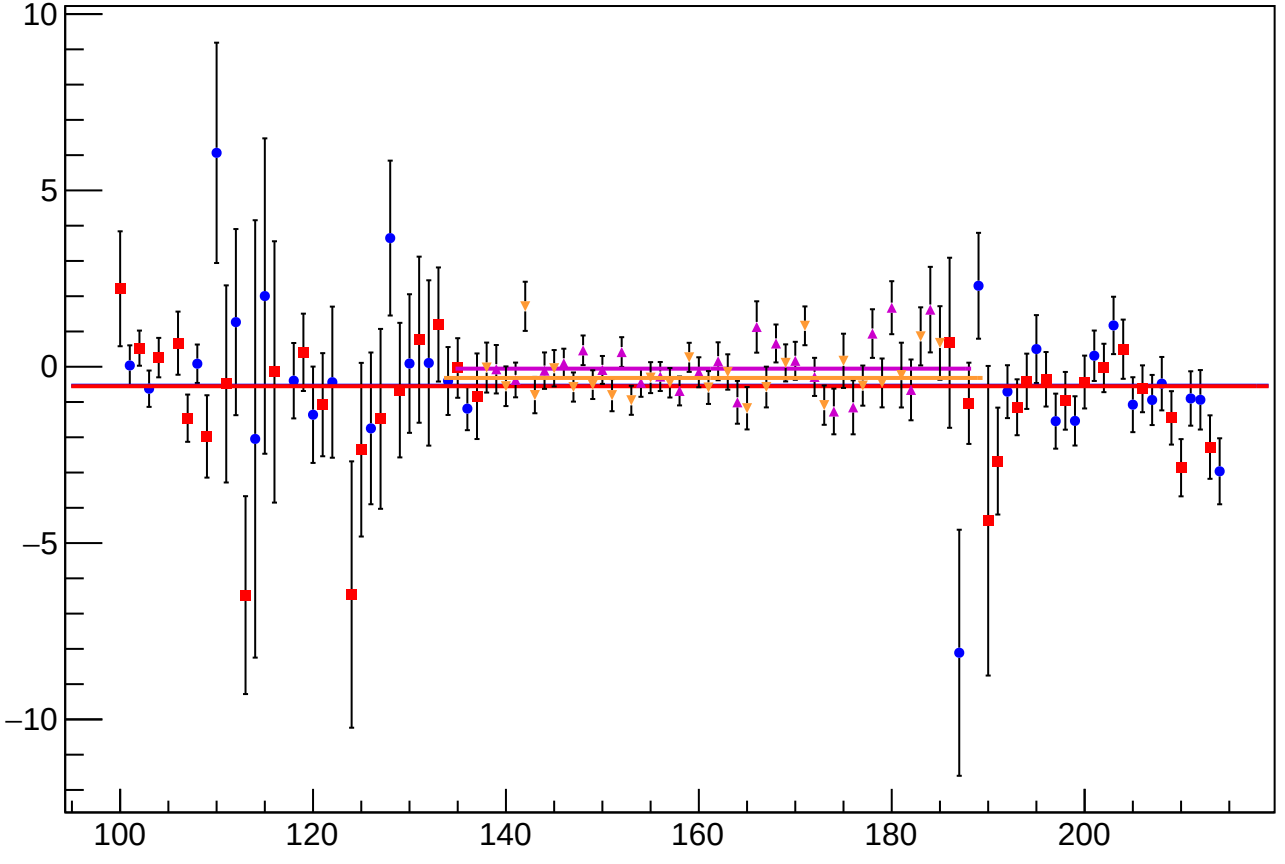
+ sign -10.023+/-1.764 χ^2/NDF: 103.4/54

All: -6.771+/-1.270 χ^2/NDF: 175.9/111

- sign -3.278+/-1.829 χ^2/NDF: 65.5/56


diff_bpm_4aX_4eX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16384.599+/-2.861 χ²/NDF: 3545407.8/29
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 17302.175+/-2.954 χ²/NDF: 3565800.2/33
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
+ sign 10052.172+/-1.248 χ²/NDF: 9997930.2/54
All: 10177.116+/-0.898 χ²/NDF: 20857992.3
- sign 10311.317+/-1.293 χ²/NDF: 10839263.0/56

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.537+/-0.165 χ^2/NDF: 40.3/29

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.553+/-0.165 χ^2/NDF: 44.7/33

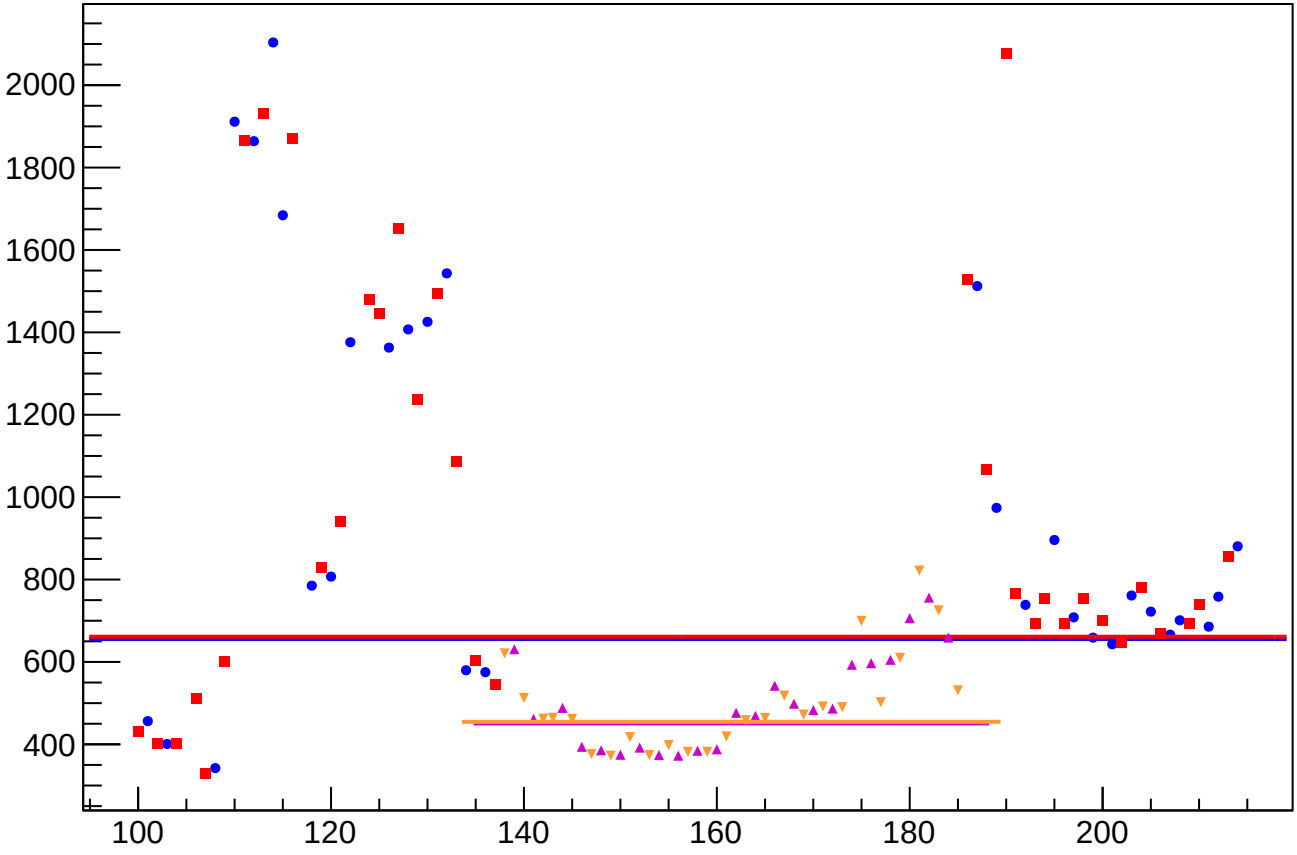
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.382+/-0.089 χ^2/NDF: 73.9/54

All: -0.294+/-0.063 χ^2/NDF: 156.7/111

- sign -0.204+/-0.090 χ^2/NDF: 80.9/56

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 655.542+/-0.116 χ^2/NDF: 4296865.5/29

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 661.175+/-0.117 χ^2/NDF: 4825810.9/33

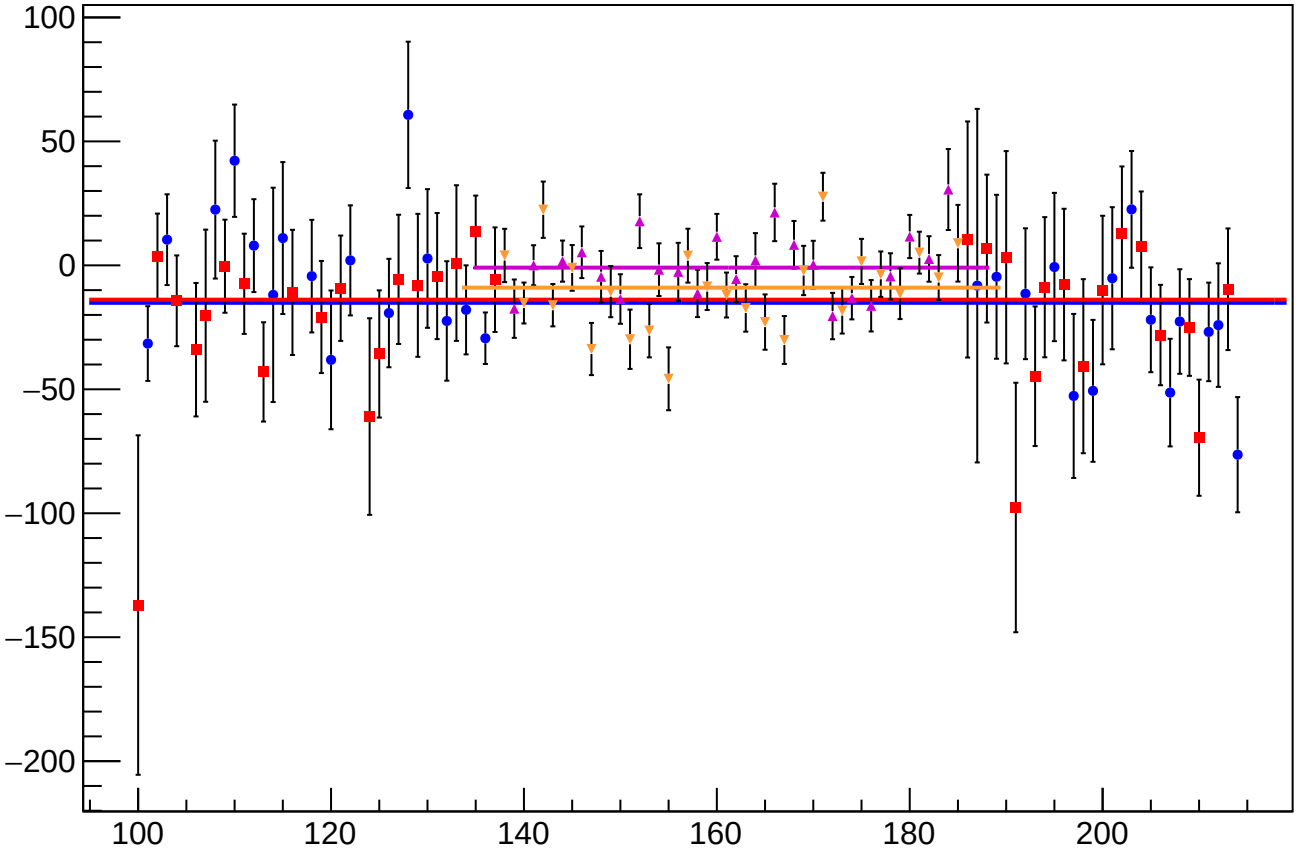
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 513.571+/-0.063 χ^2/NDF: 7853944.5/54

All: 513.715+/-0.045 χ^2/NDF: 16421866.2/11

- sign 513.863+/-0.064 χ^2/NDF: 8567911.2/56

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -15.101+/-4.071 χ^2/NDF: 40.5/29

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

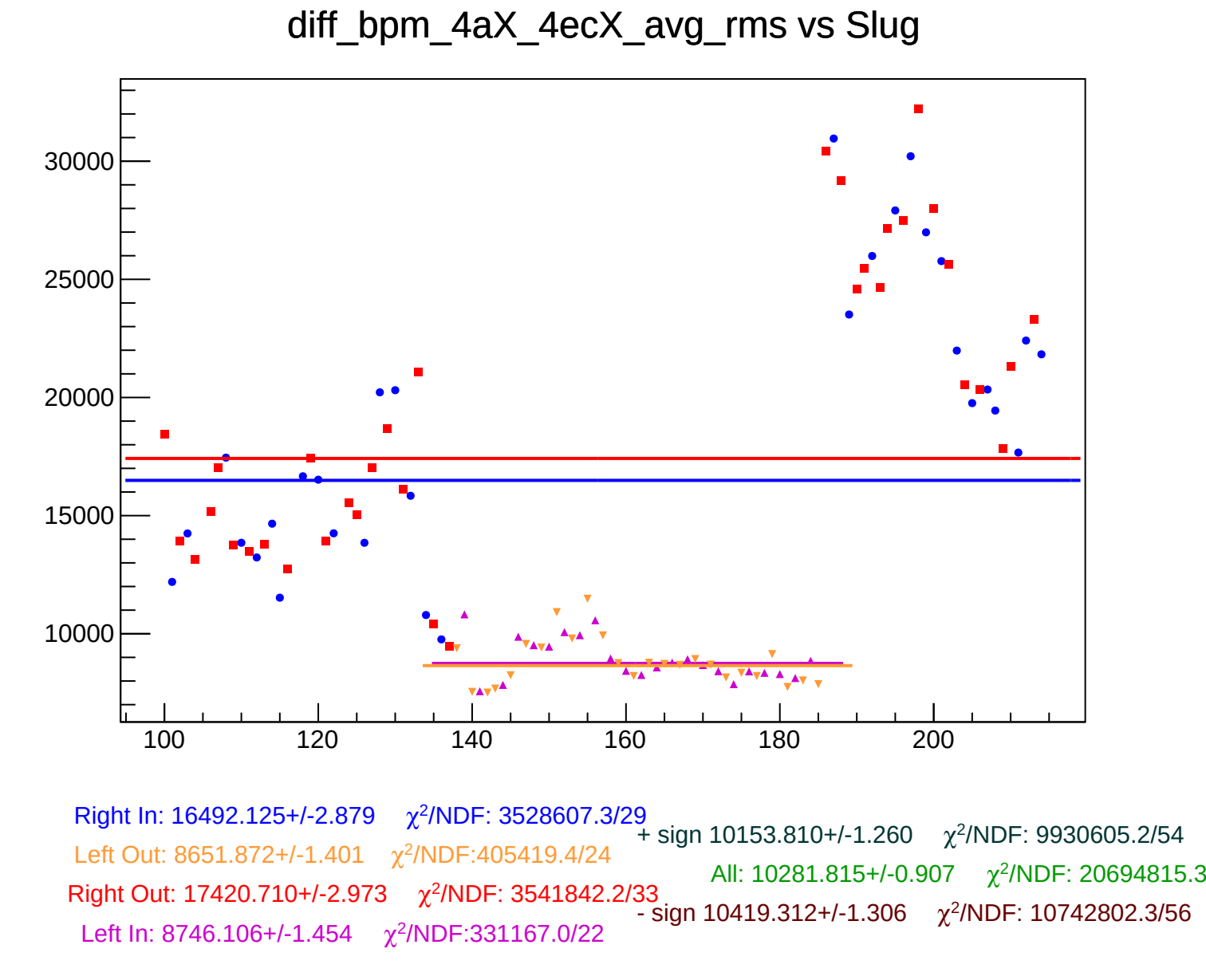
Right Out: -13.849+/-4.205 χ^2/NDF: 28.0/33

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

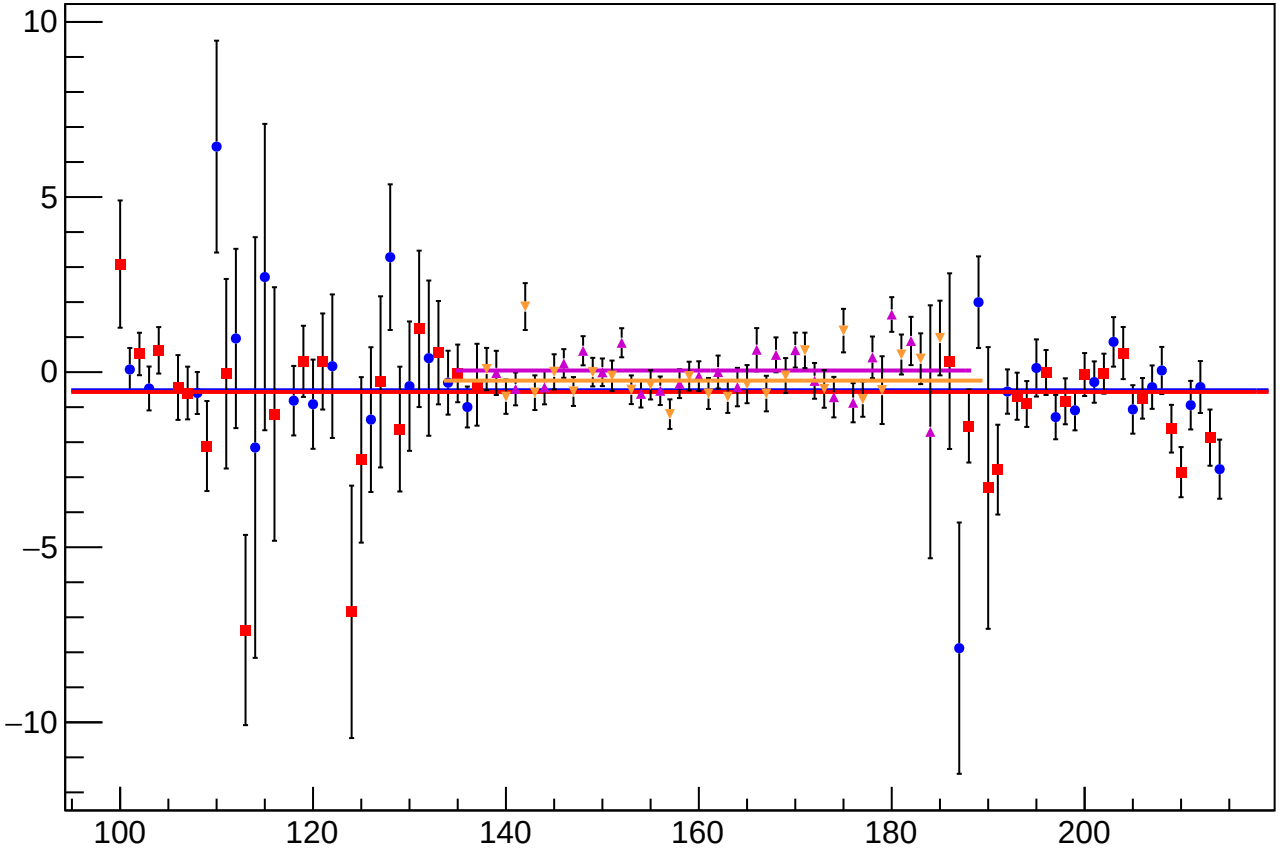
+ sign -10.169+/-1.782 χ^2/NDF: 103.5/54

All: -6.914+/-1.282 χ^2/NDF: 176.0/111

- sign -3.418+/-1.847 χ^2/NDF: 65.5/56


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16492.125+/-2.879 χ²/NDF: 3528607.3/29
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17420.710+/-2.973 χ²/NDF: 3541842.2/33
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 10153.810+/-1.260 χ²/NDF: 9930605.2/54
All: 10281.815+/-0.907 χ²/NDF: 20694815.3
- sign 10419.312+/-1.306 χ²/NDF: 10742802.3/56

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.518+/-0.153 χ^2/NDF: 35.7/29

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.565+/-0.155 χ^2/NDF: 49.9/33

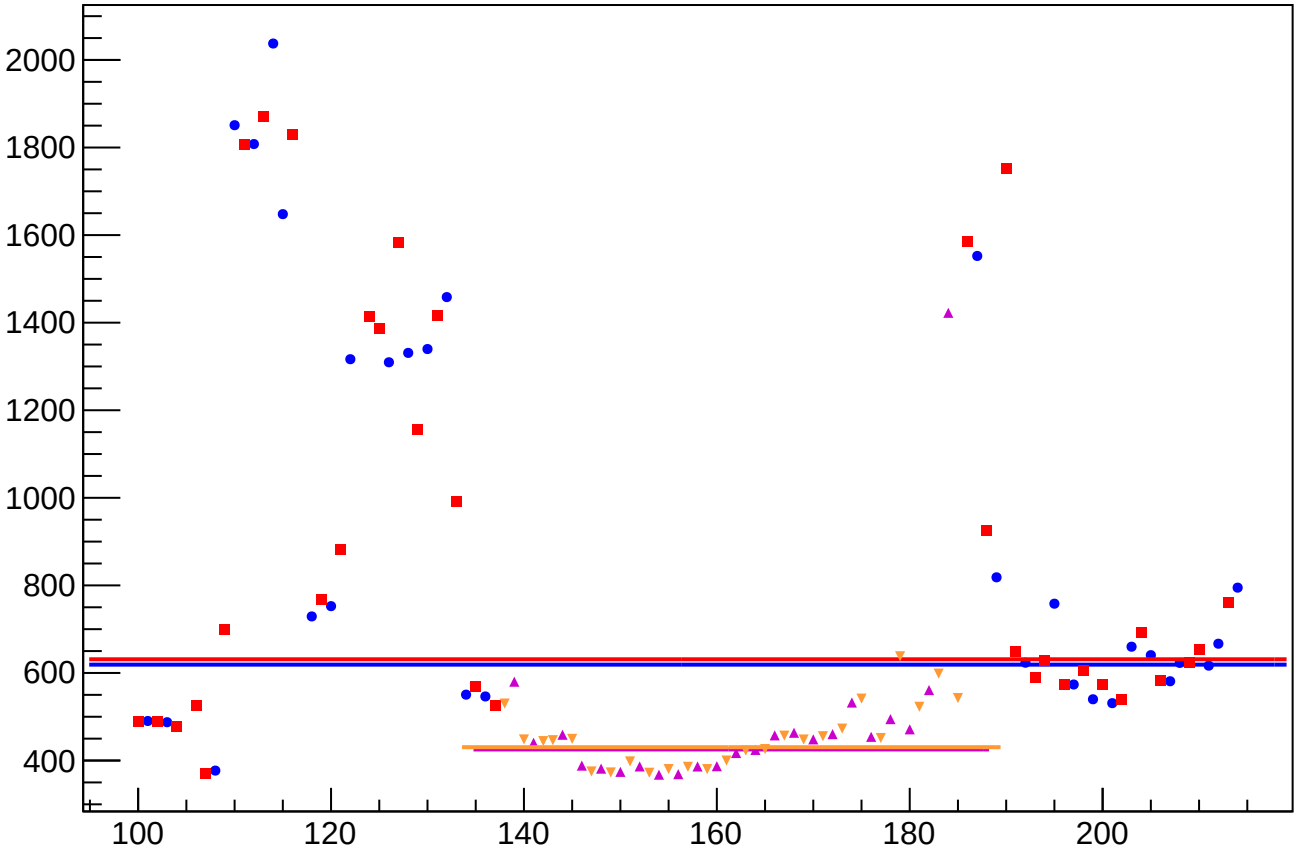
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.325+/-0.084 χ^2/NDF: 72.3/54

All: -0.232+/-0.060 χ^2/NDF: 170.6/111

- sign -0.137+/-0.085 χ^2/NDF: 95.8/56

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 619.023+/-0.108 χ^2/NDF: 3300665.3/29

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

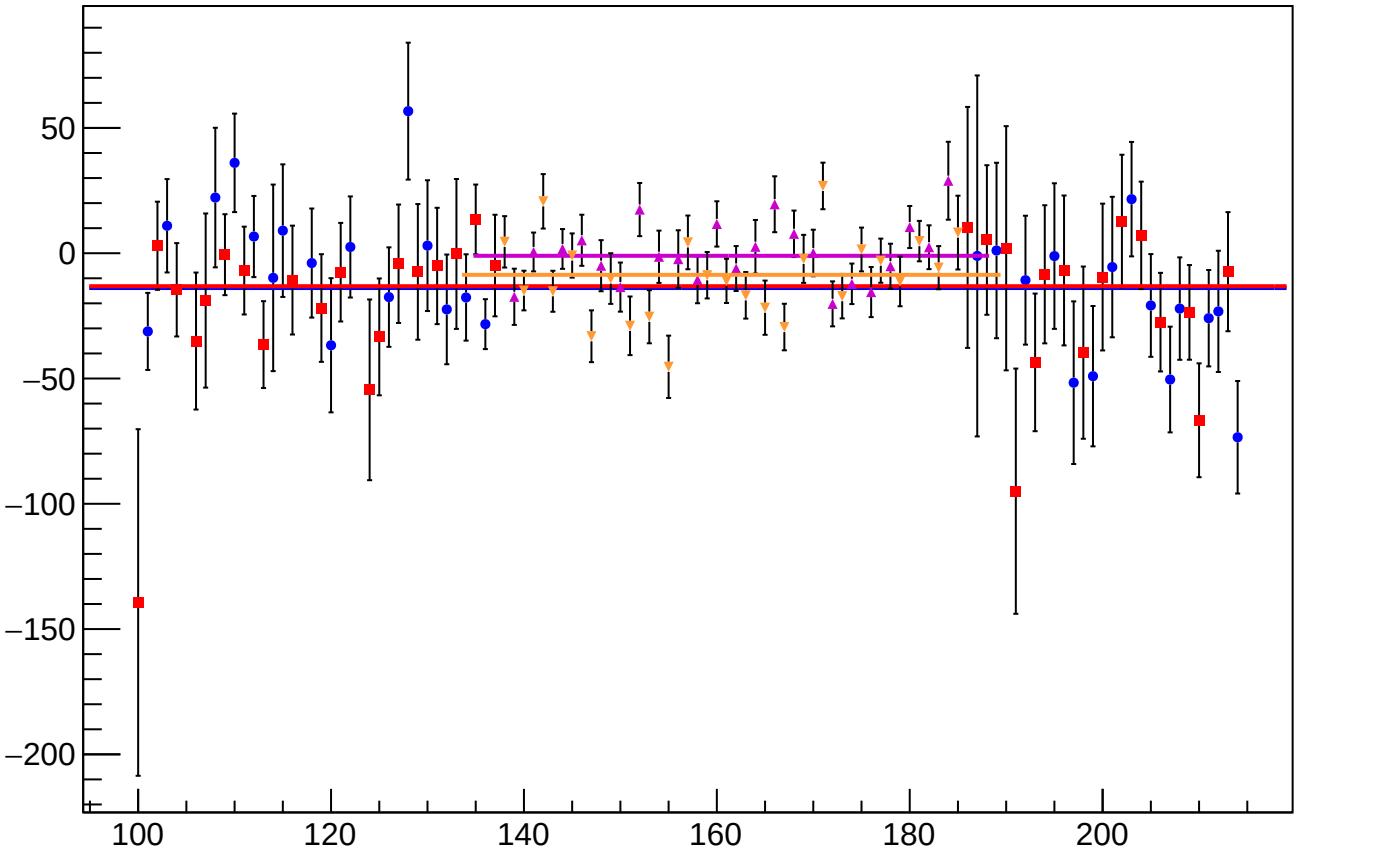
Right Out: 631.251+/-0.110 χ^2/NDF: 3573117.4/33

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 486.918+/-0.059 χ^2/NDF: 6070176.2/54

All: 486.988+/-0.042 χ^2/NDF: 12824826.7/11

- sign 487.061+/-0.060 χ^2/NDF: 6754647.7/56



Right In: -13.894+/-3.883 χ^2/NDF: 41.3/29

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

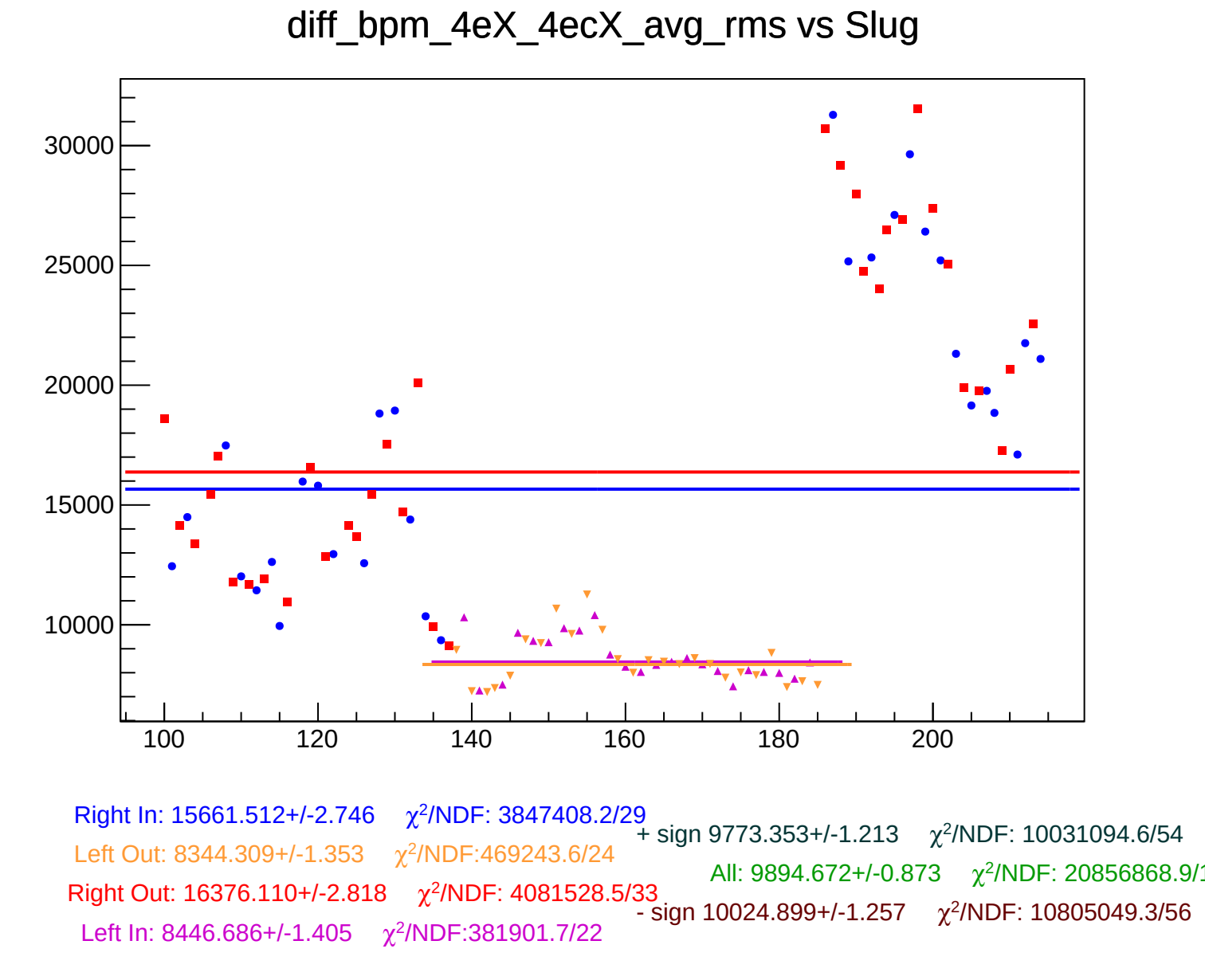
Right Out: -13.157+/-3.985 χ^2/NDF: 27.8/33

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

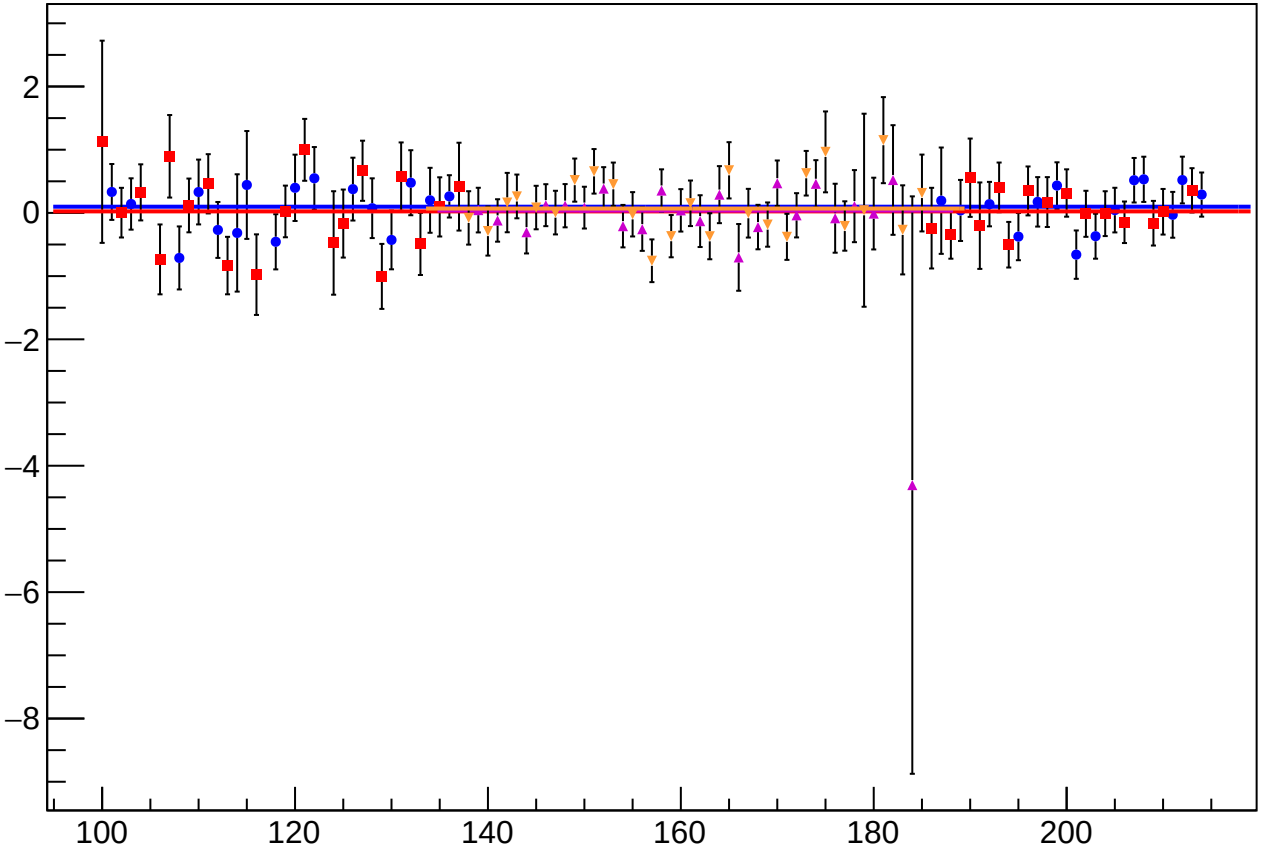
+ sign -9.652+/-1.716 χ^2/NDF: 104.4/54

All: -6.657+/-1.235 χ^2/NDF: 175.6/111

- sign -3.441+/-1.778 χ^2/NDF: 65.0/56


diff_bpm_4eX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15661.512+/-2.746 χ²/NDF: 3847408.2/29
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16376.110+/-2.818 χ²/NDF: 4081528.5/33
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
+ sign 9773.353+/-1.213 χ²/NDF: 10031094.6/54
All: 9894.672+/-0.873 χ²/NDF: 20856868.9/1
- sign 10024.899+/-1.257 χ²/NDF: 10805049.3/56

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.098+/-0.078 χ^2/NDF: 22.2/29

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.024+/-0.077 χ^2/NDF: 32.3/33

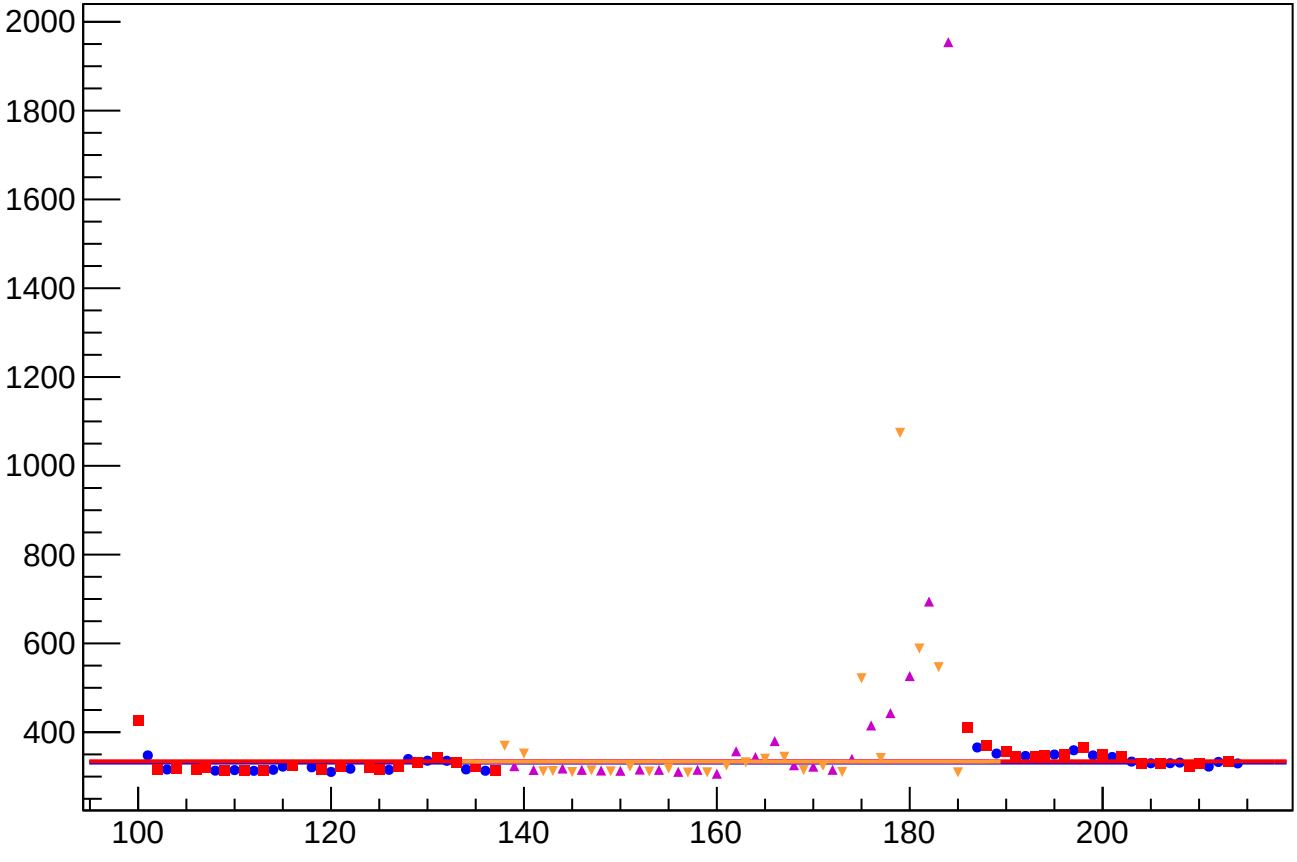
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.084+/-0.055 χ^2/NDF: 50.5/54

All: 0.057+/-0.039 χ^2/NDF: 94.9/111

- sign 0.030+/-0.056 χ^2/NDF: 43.9/56

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.632+/-0.055 χ^2/NDF: 64286.2/29

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.428+/-0.054 χ^2/NDF: 118804.3/33

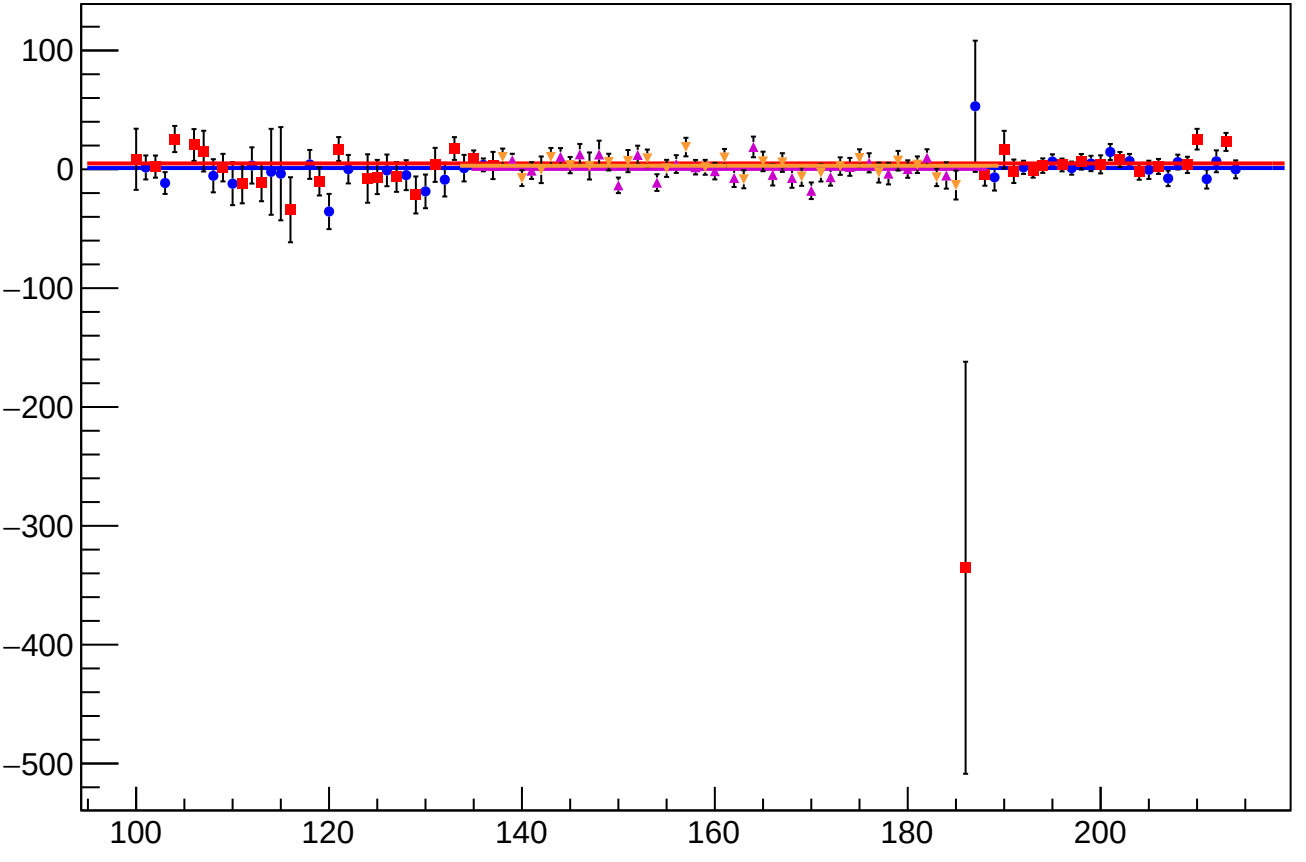
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.688+/-0.039 χ^2/NDF: 1282297.2/54

All: 333.448+/-0.028 χ^2/NDF: 2452873.7/11

- sign 334.215+/-0.039 χ^2/NDF: 1169820.9/56

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.068+/-1.576 χ^2/NDF: 23.4/29

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

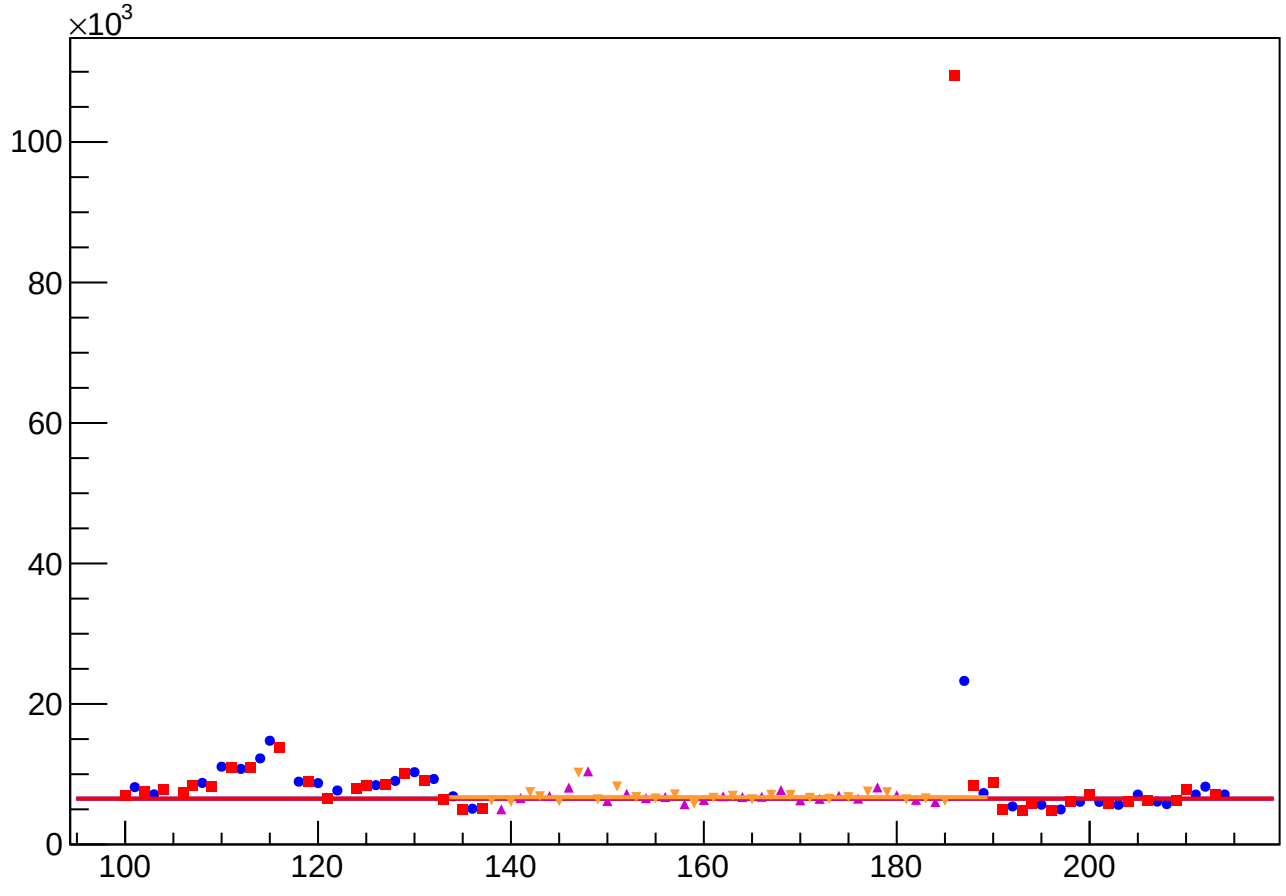
Right Out: 4.947+/-1.561 χ^2/NDF: 39.6/33

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

\+ sign 2.067+/-1.102 χ^2/NDF: 44.5/54

All: 2.363+/-0.781 χ^2/NDF: 122.4/111

\- sign 2.661+/-1.106 χ^2/NDF: 77.7/56



Right In: 6524.616+/-1.114 χ^2/NDF: 1831011.4/29

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6518.855+/-1.104 χ^2/NDF: 2441083.7/33

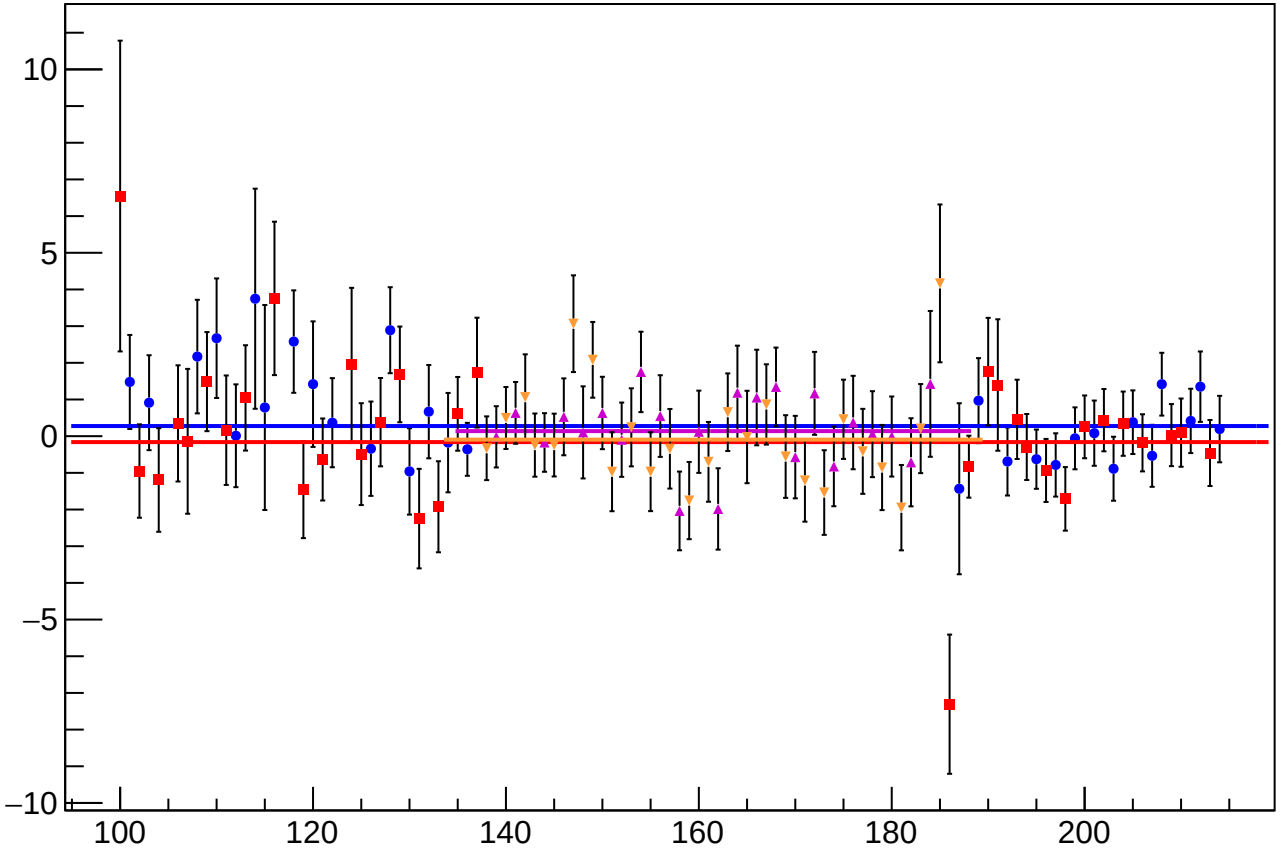
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6625.982+/-0.779 χ^2/NDF: 2250521.8/54

All: 6600.844+/-0.552 χ^2/NDF: 5328483.0/11

- sign 6575.511+/-0.782 χ^2/NDF: 3075871.8/56

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.276+/-0.196 χ^2/NDF: 27.4/29

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.161+/-0.195 χ^2/NDF: 43.2/33

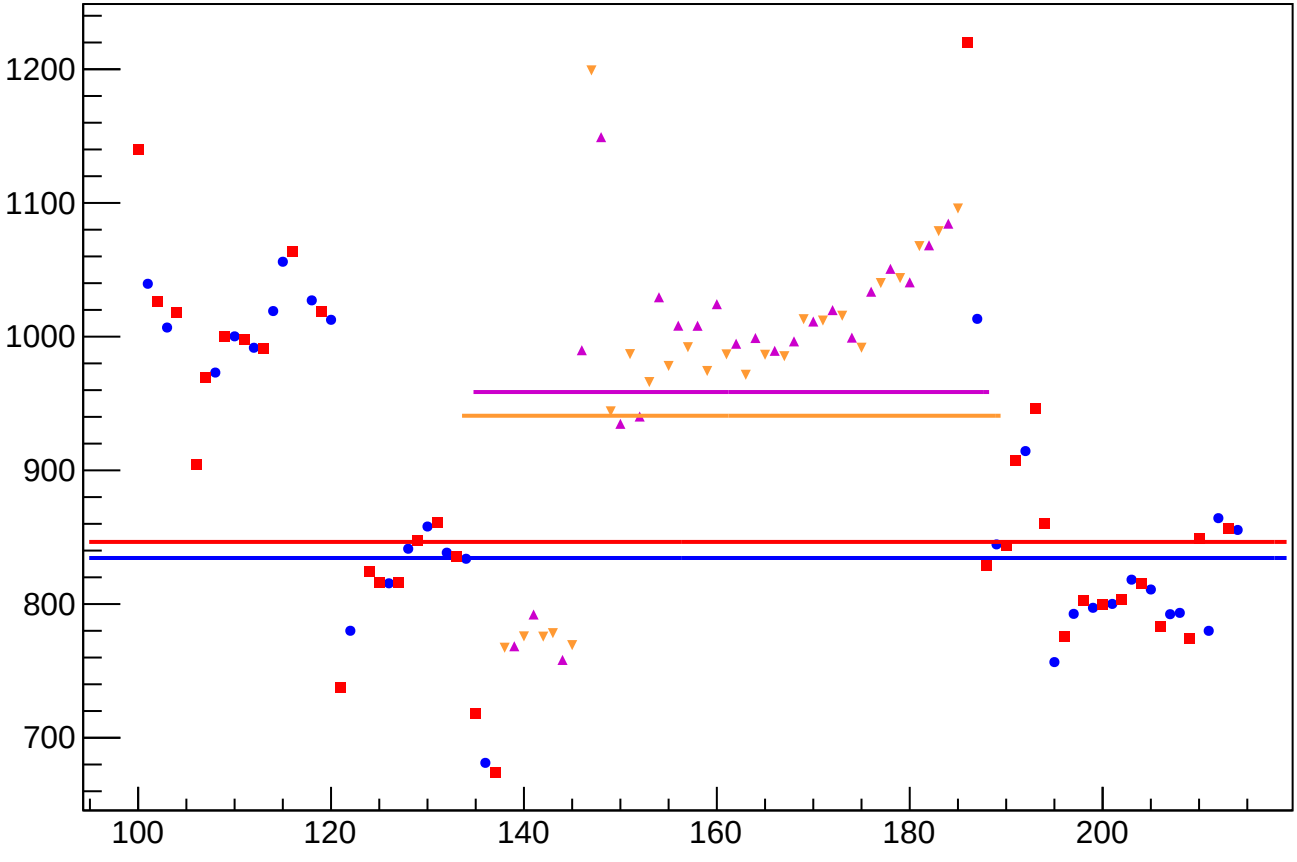
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.108+/-0.145 χ^2/NDF: 56.3/54

All: 0.039+/-0.103 χ^2/NDF: 117.4/111

- sign -0.033+/-0.147 χ^2/NDF: 60.7/56

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 834.454+/-0.139 χ^2/NDF: 403260.9/29

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 846.474+/-0.138 χ^2/NDF: 450765.4/33

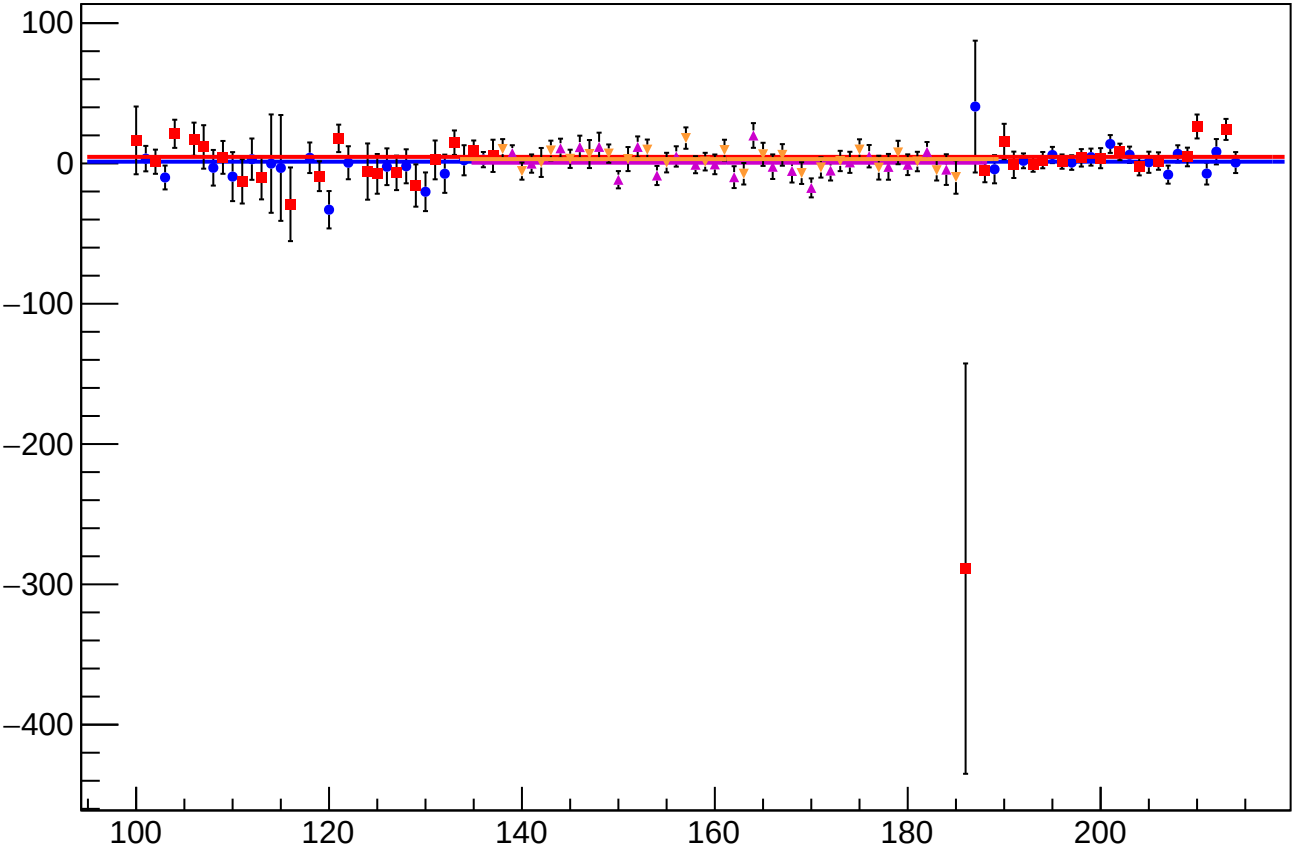
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 882.624+/-0.102 χ^2/NDF: 1239099.1/54

All: 888.452+/-0.073 χ^2/NDF: 2436261.1/111

- sign 894.487+/-0.104 χ^2/NDF: 1190578.0/56

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.254+/-1.511 χ^2/NDF: 23.4/29

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 4.682+/-1.487 χ^2/NDF: 40.4/33

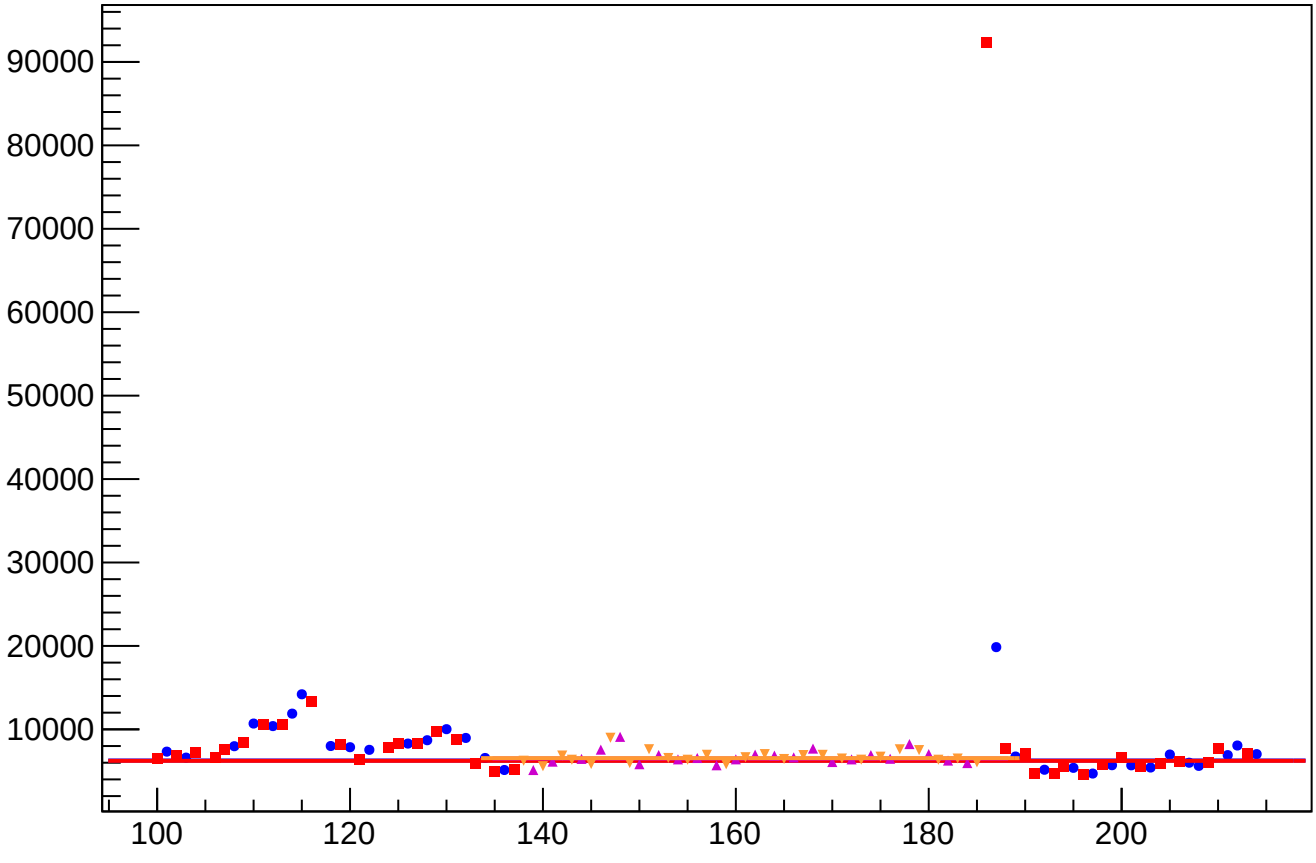
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

\+ sign 2.183+/-1.064 χ^2/NDF: 42.7/54

All: 2.424+/-0.754 χ^2/NDF: 119.0/111

\- sign 2.666+/-1.068 χ^2/NDF: 76.2/56

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6265.292+/-1.068 χ^2/NDF: 1760268.1/29

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6226.567+/-1.052 χ^2/NDF: 2390106.6/33

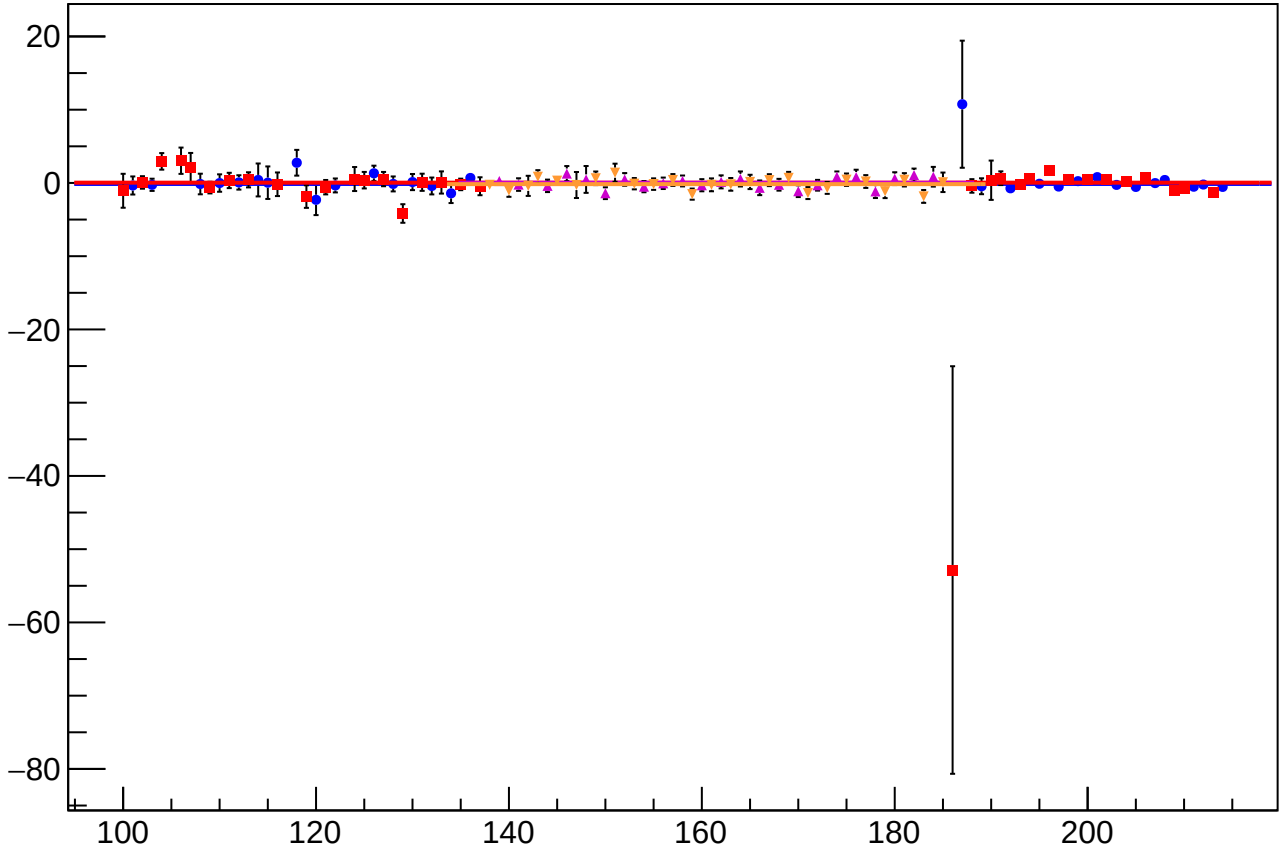
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6408.075+/-0.753 χ^2/NDF: 2161830.0/54

All: 6384.831+/-0.533 χ^2/NDF: 5103305.8/11

- sign 6361.428+/-0.755 χ^2/NDF: 2939561.9/56

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.136+/-0.127 χ^2/NDF: 18.7/29

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.037+/-0.130 χ^2/NDF: 60.0/33

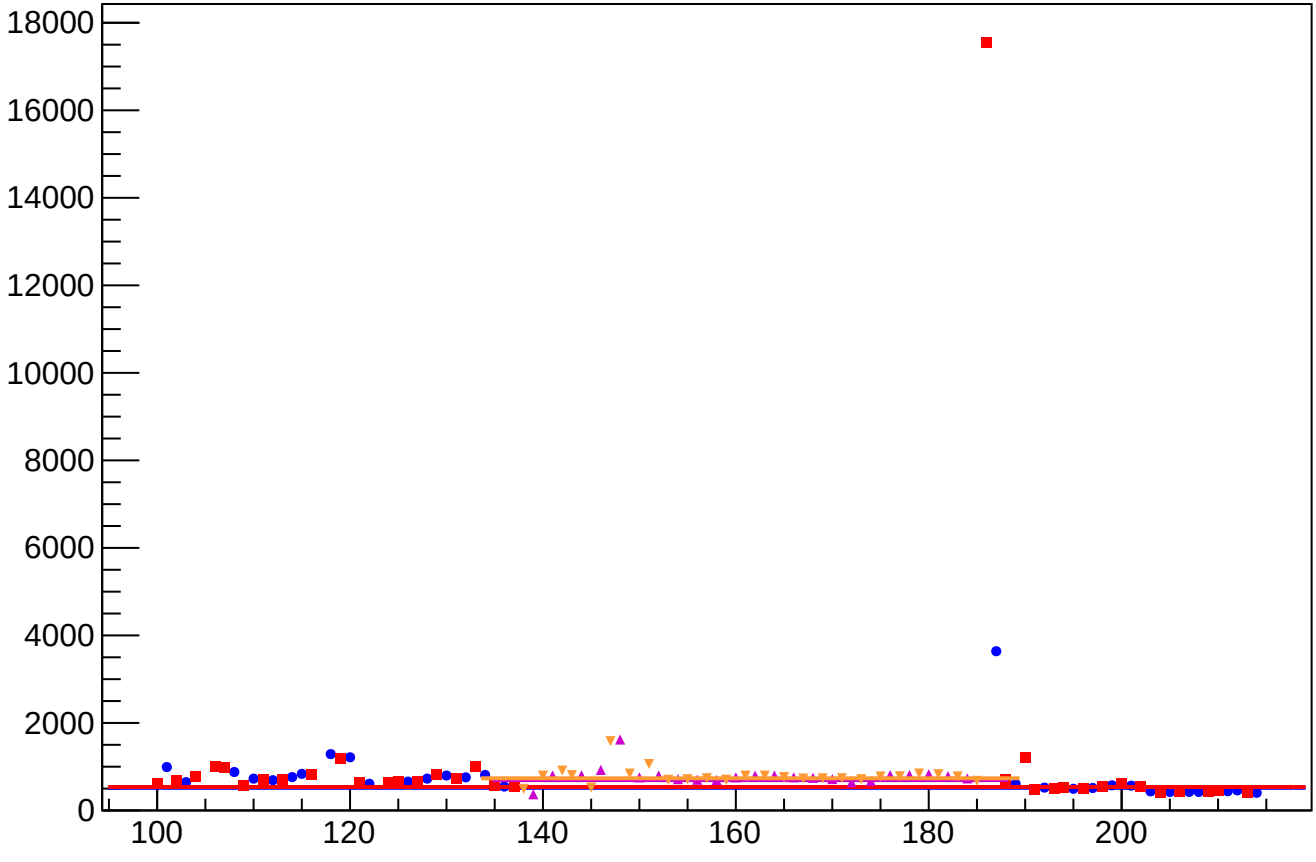
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.146+/-0.102 χ^2/NDF: 37.7/54

All: -0.059+/-0.073 χ^2/NDF: 114.4/111

- sign 0.030+/-0.103 χ^2/NDF: 75.3/56

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 517.932+/-0.090 χ^2/NDF: 2577733.7/29

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 536.286+/-0.092 χ^2/NDF: 2890194.6/33

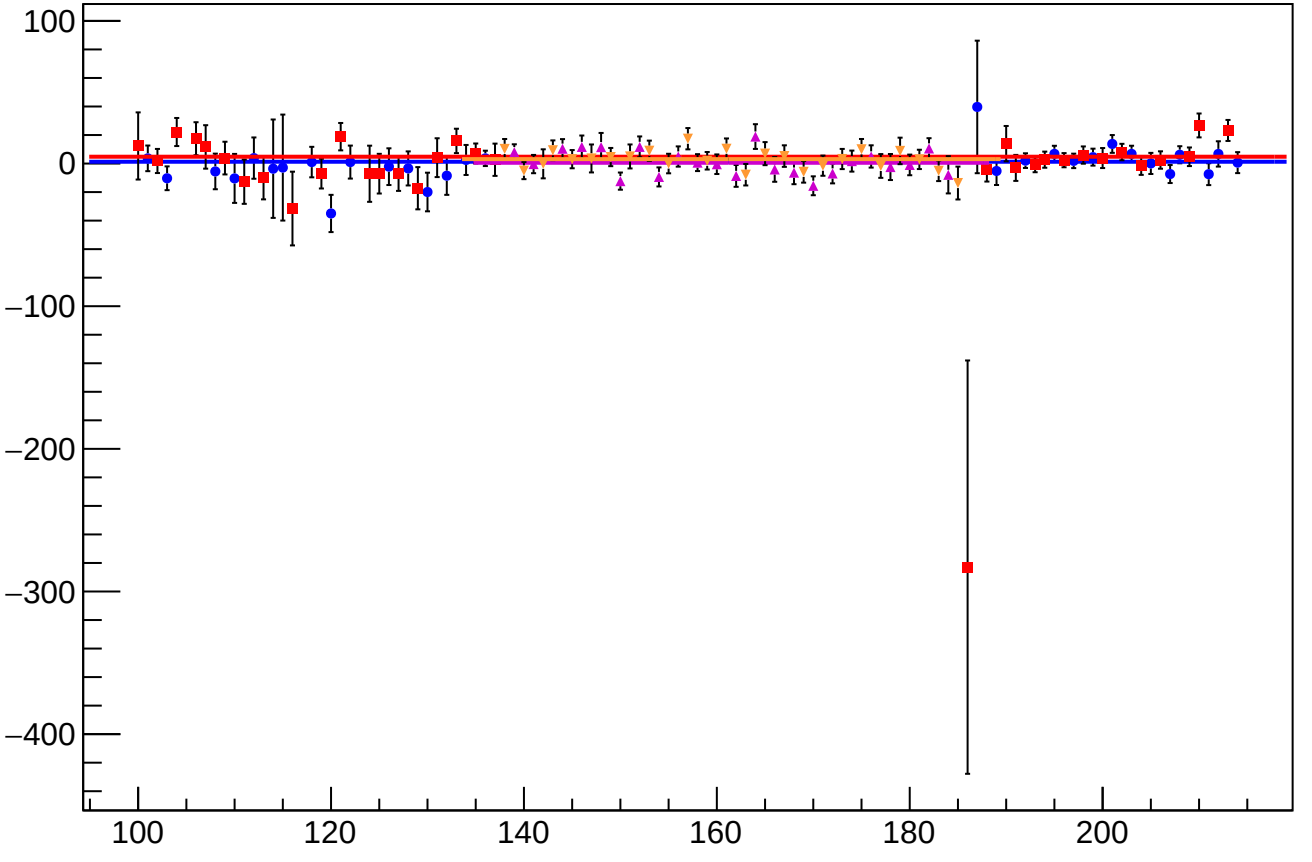
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 594.267+/-0.072 χ^2/NDF: 5979481.3/54

All: 594.708+/-0.051 χ^2/NDF: 12188230.1/11

- sign 595.160+/-0.073 χ^2/NDF: 6208673.0/56

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.276+/-1.482 χ^2/NDF: 25.5/29

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 4.797+/-1.458 χ^2/NDF: 41.2/33

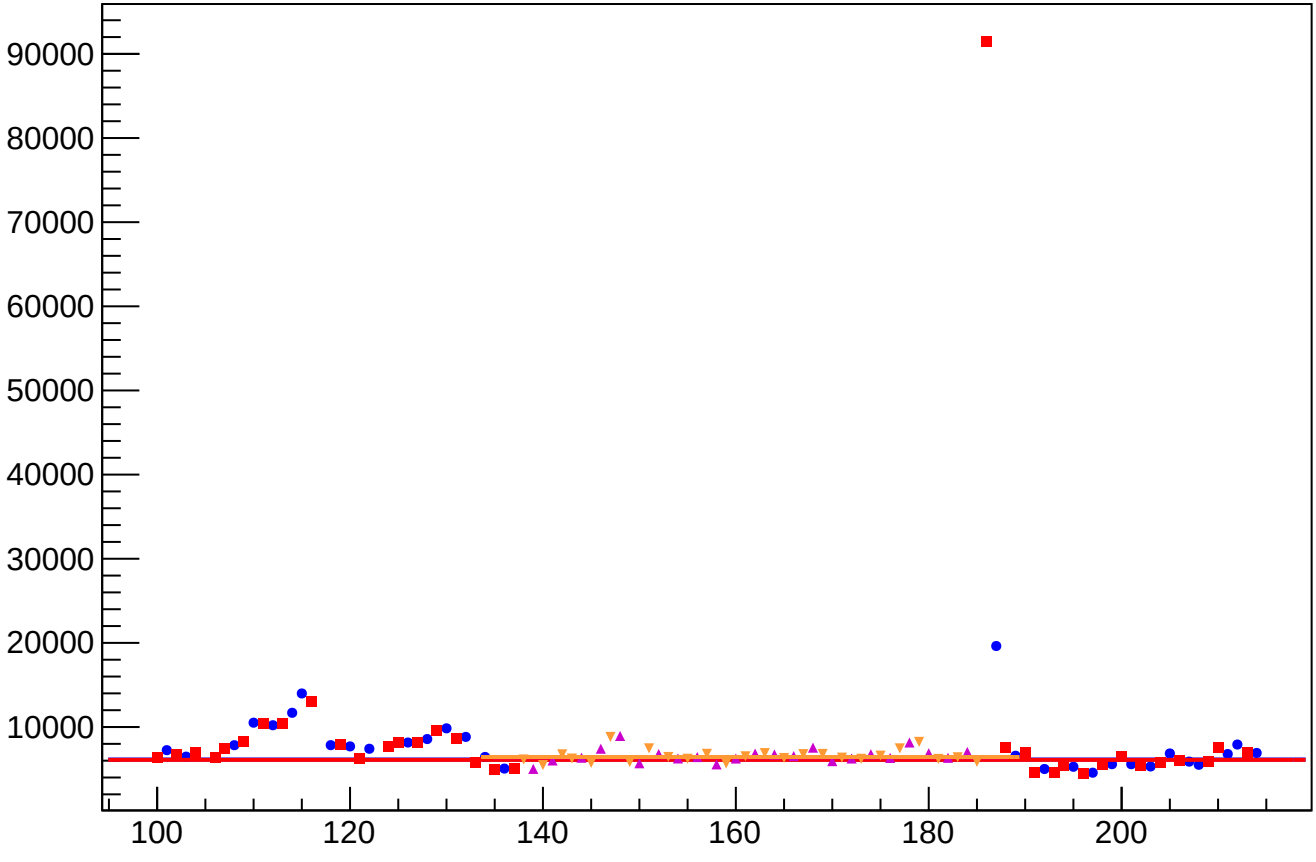
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

\+ sign 2.197+/-1.046 χ^2/NDF: 45.0/54

All: 2.473+/-0.741 χ^2/NDF: 124.0/111

\- sign 2.752+/-1.050 χ^2/NDF: 78.9/56

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6140.203+/-1.048 χ^2/NDF: 1791640.9/29

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6097.333+/-1.031 χ^2/NDF: 2414499.1/33

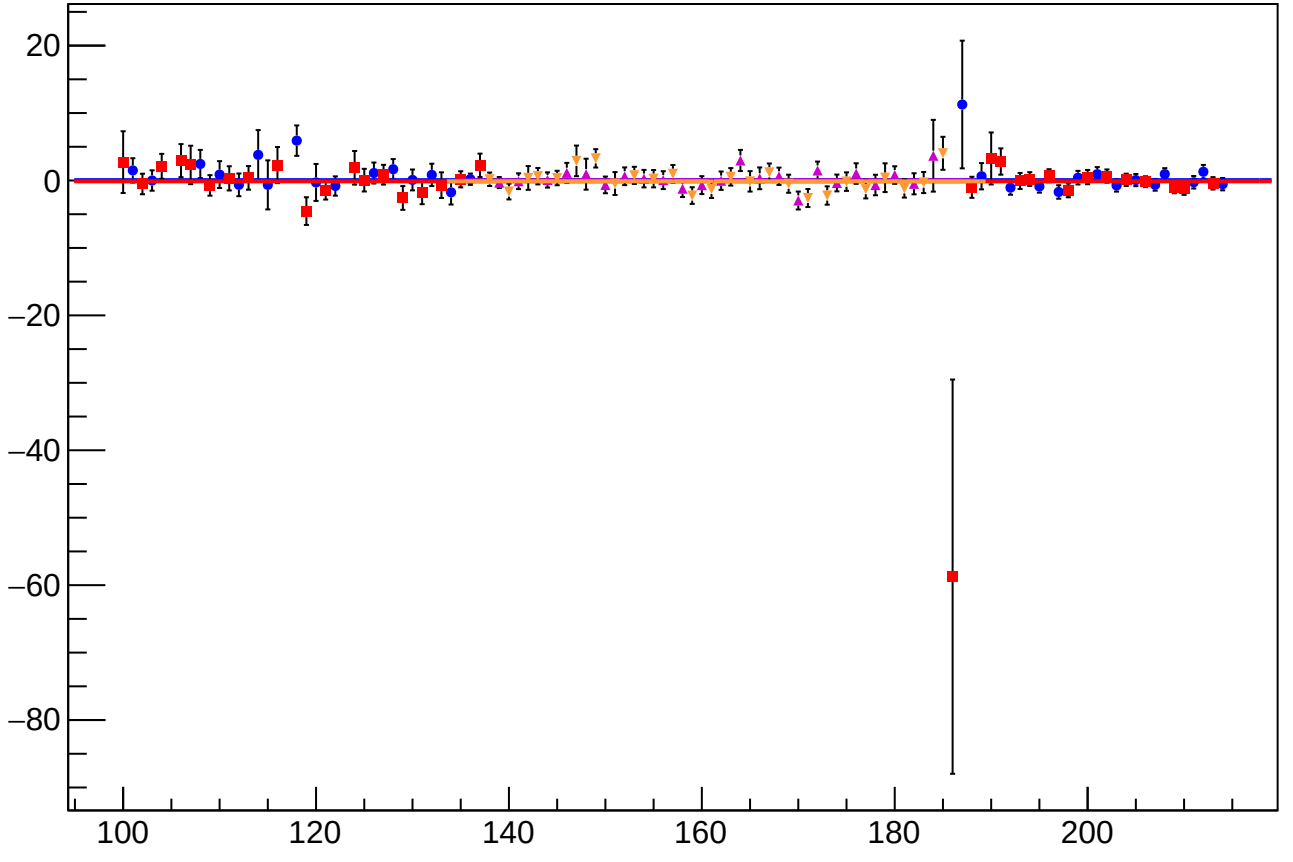
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6288.318+/-0.739 χ^2/NDF: 2248791.4/54

All: 6267.031+/-0.524 χ^2/NDF: 5233008.4/11

- sign 6245.591+/-0.742 χ^2/NDF: 2982553.6/56

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.050+/-0.226 χ^2/NDF: 25.4/29

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.125+/-0.232 χ^2/NDF: 30.0/33

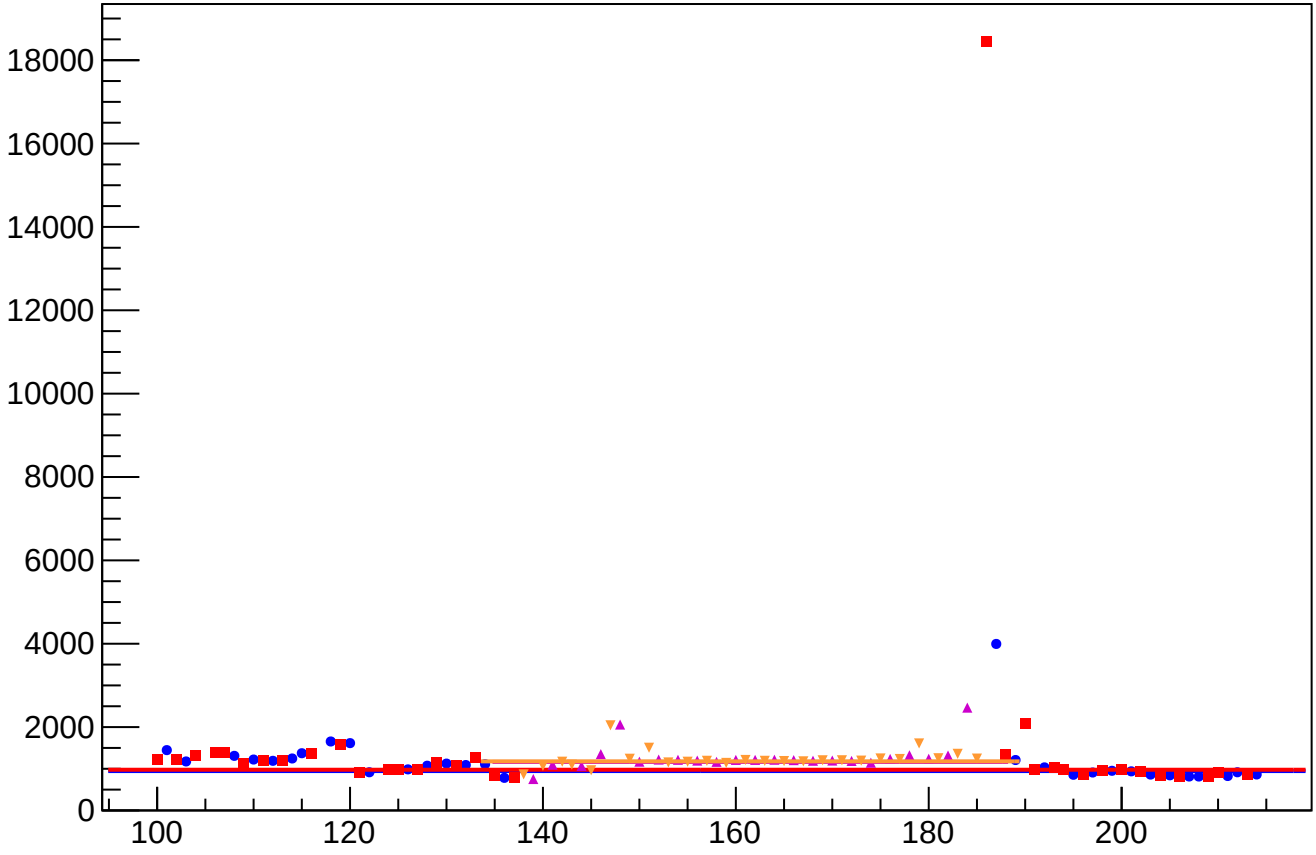
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.020+/-0.174 χ^2/NDF: 52.6/54

All: -0.040+/-0.125 χ^2/NDF: 97.3/111

- sign -0.062+/-0.178 χ^2/NDF: 44.7/56

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 944.914+/-0.160 χ^2/NDF: 1316056.8/29

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 976.818+/-0.164 χ^2/NDF: 1921443.3/33

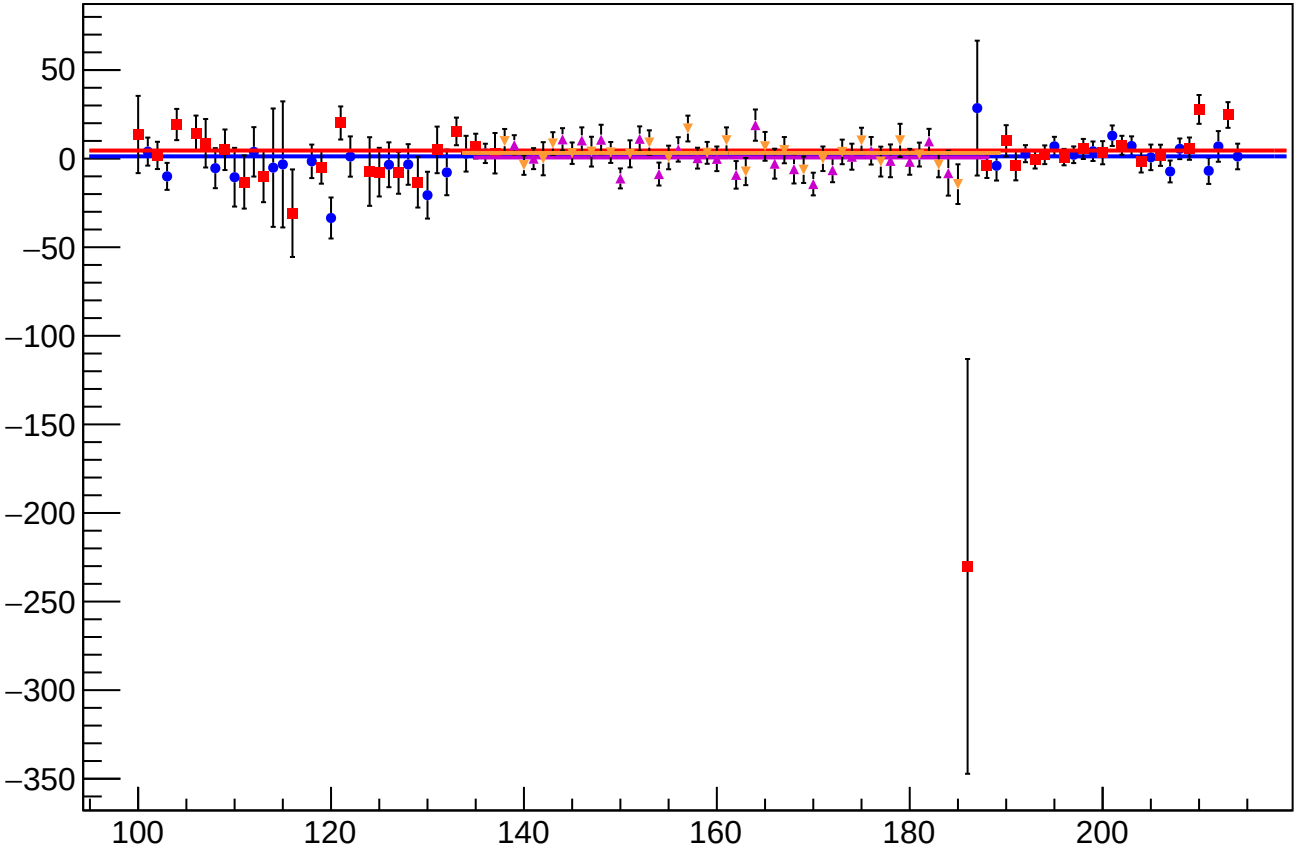
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1039.526+/-0.123 χ^2/NDF: 2978161.2/54

All: 1046.283+/-0.088 χ^2/NDF: 6490410.8/11

- sign 1053.349+/-0.126 χ^2/NDF: 3506098.6/56

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 1.285+/-1.403 χ^2/NDF: 27.8/29

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 4.578+/-1.368 χ^2/NDF: 44.5/33

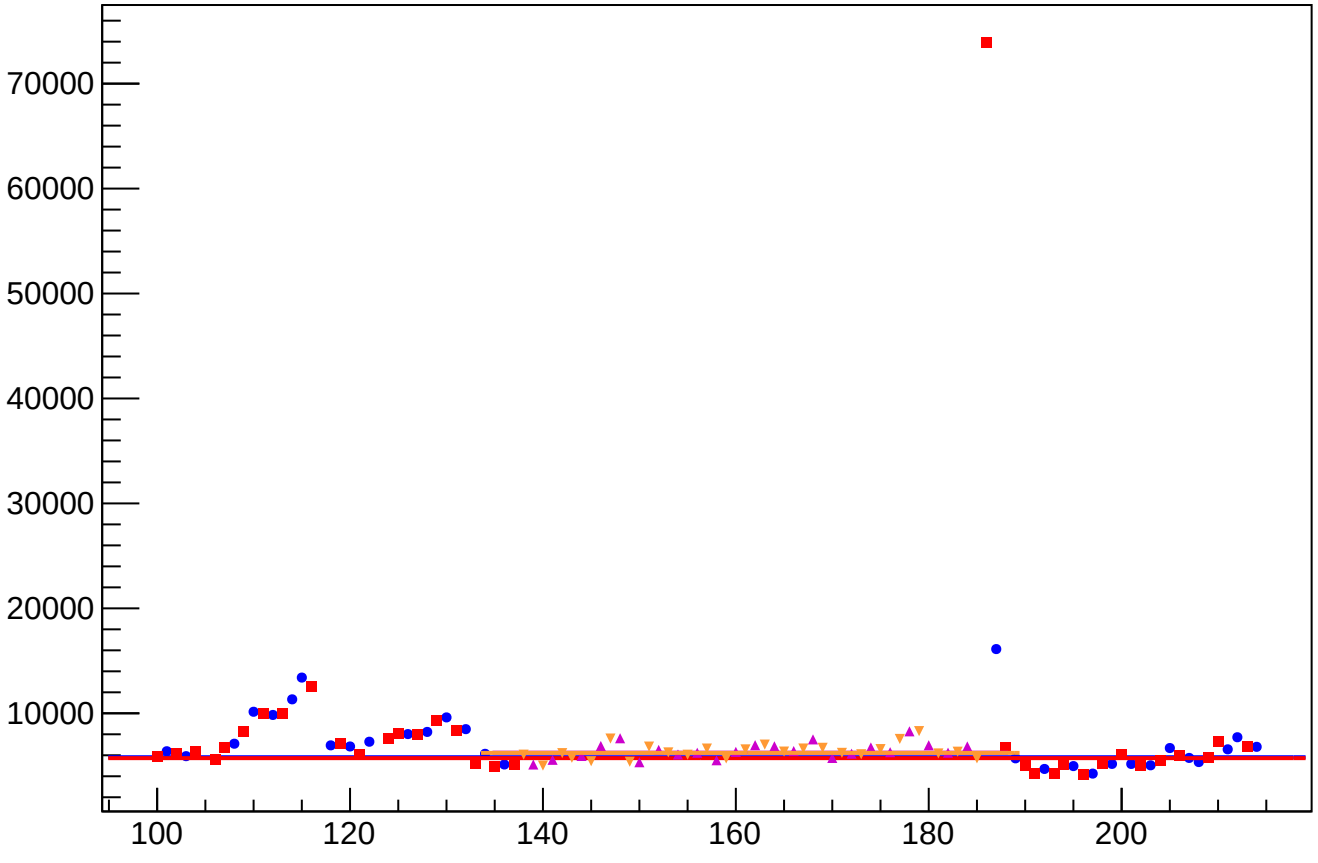
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.241+/-1.001 χ^2/NDF: 46.7/54

All: 2.504+/-0.709 χ^2/NDF: 127.4/111

- sign 2.767+/-1.003 χ^2/NDF: 80.6/56

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5815.600+/-0.992 χ^2/NDF: 1811620.0/29

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

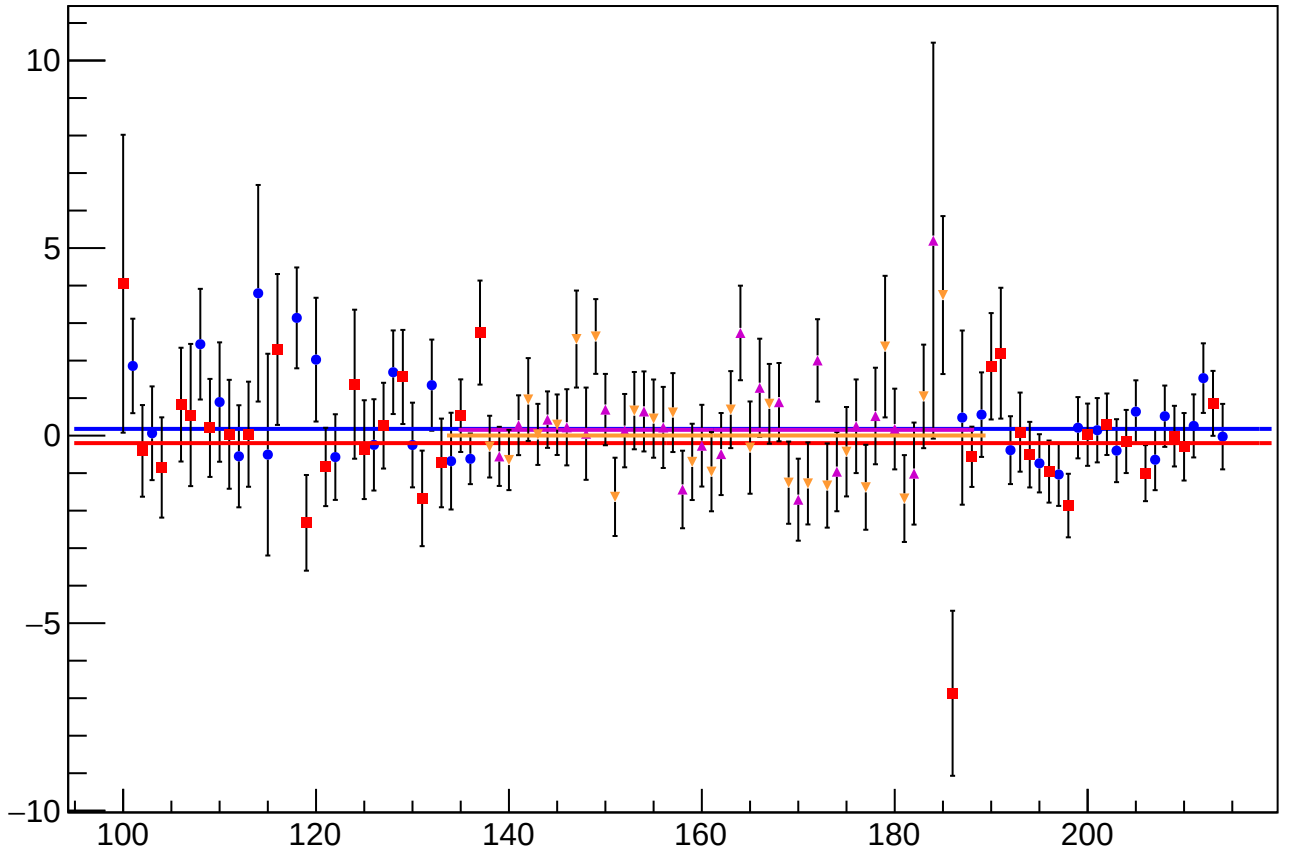
Right Out: 5726.504+/-0.967 χ^2/NDF: 2476937.7/33

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6018.248+/-0.708 χ^2/NDF: 2367521.2/54

All: 5992.846+/-0.501 χ^2/NDF: 5465905.5/11

- sign 5967.375+/-0.709 χ^2/NDF: 3095806.6/56



Right In: 0.179+/-0.188 χ^2/NDF: 25.9/29

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.200+/-0.188 χ^2/NDF: 37.7/33

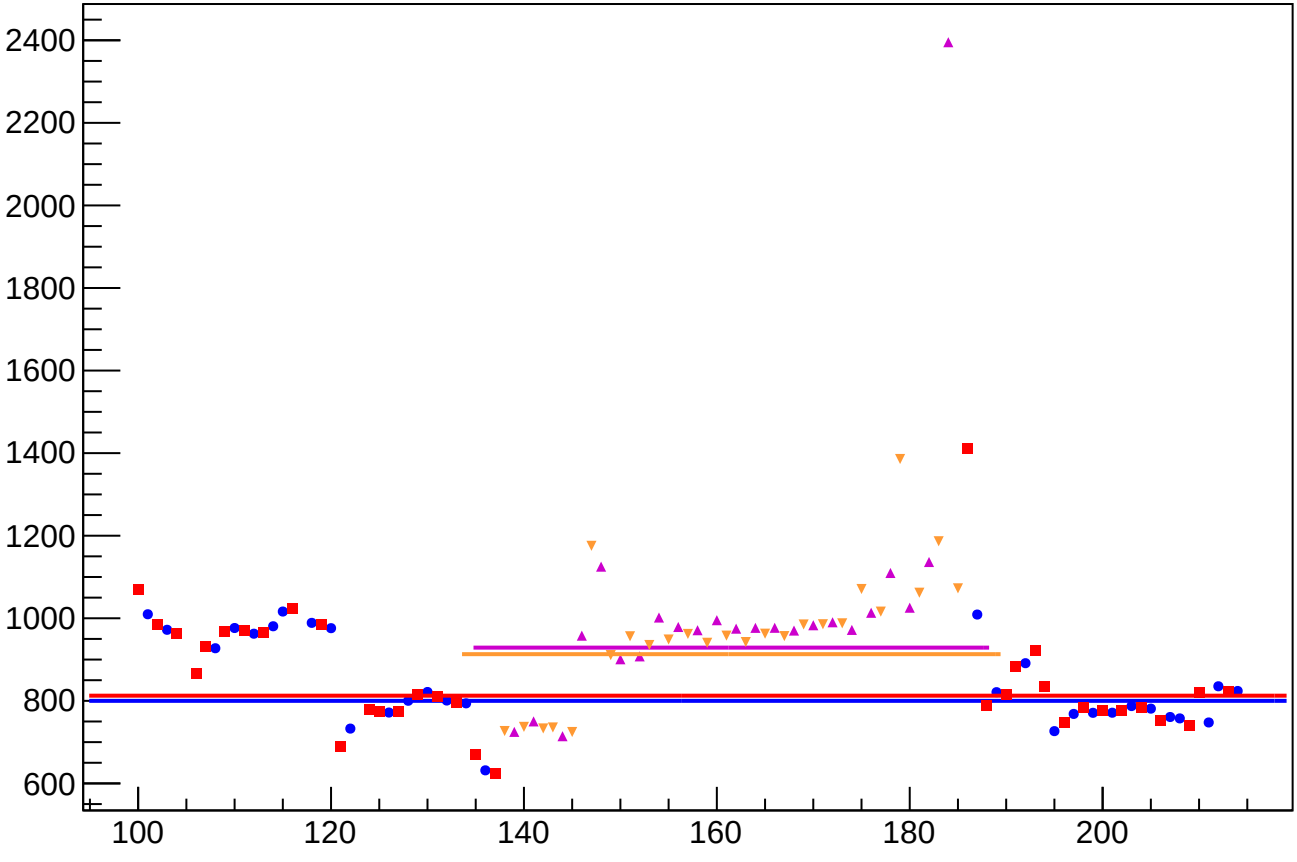
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.102+/-0.141 χ^2/NDF: 57.9/54

All: 0.026+/-0.100 χ^2/NDF: 116.1/111

- sign -0.052+/-0.143 χ^2/NDF: 57.6/56

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 800.011+/-0.133 χ^2/NDF: 464274.0/29

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 812.520+/-0.133 χ^2/NDF: 562372.4/33

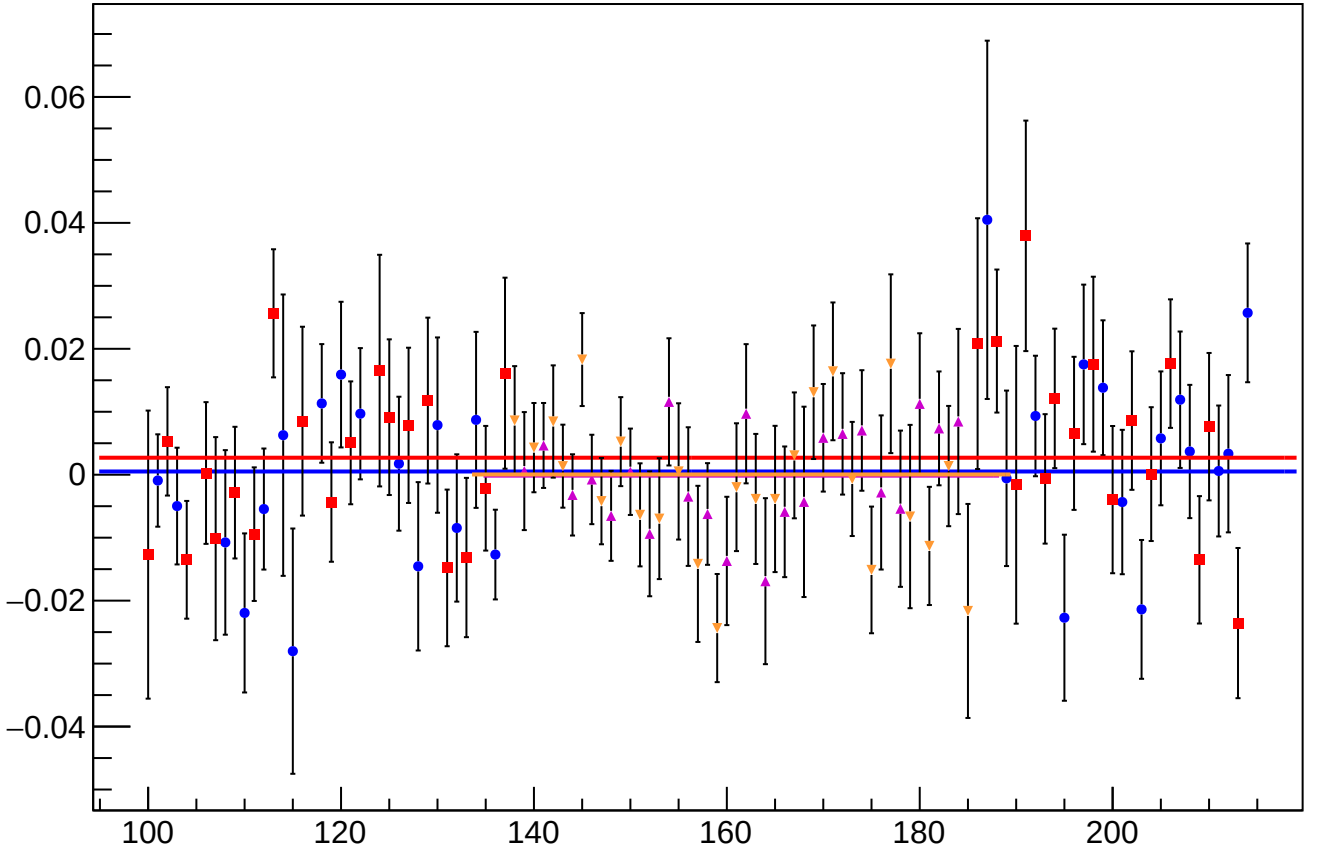
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 849.840+/-0.099 χ^2/NDF: 1671824.5/54

All: 855.458+/-0.071 χ^2/NDF: 3331960.1/111

- sign 861.267+/-0.101 χ^2/NDF: 1653649.5/56

diff_dispE_bpm12X_mean vs Slug



Right In: 0.001+/-0.002 χ^2/NDF: 36.6/29

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.003+/-0.002 χ^2/NDF: 37.4/33

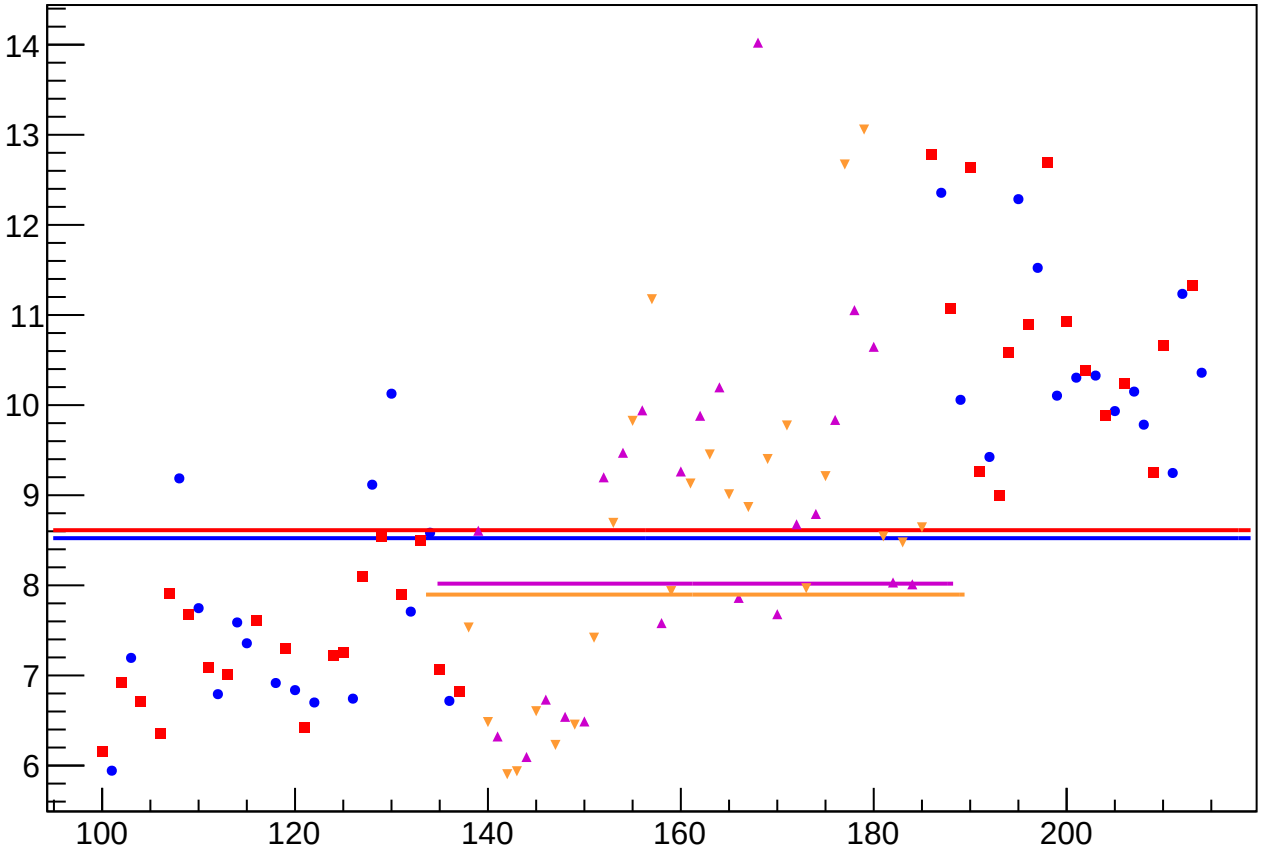
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign 0.000+/-0.001 χ^2/NDF: 67.8/54

All: 0.001+/-0.001 χ^2/NDF: 119.3/111

- sign 0.001+/-0.001 χ^2/NDF: 51.3/56

diff_dispE_bpm12X_rms vs Slug



Right In: 8.523+/-0.001 χ^2/NDF: 1528939.7/29

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

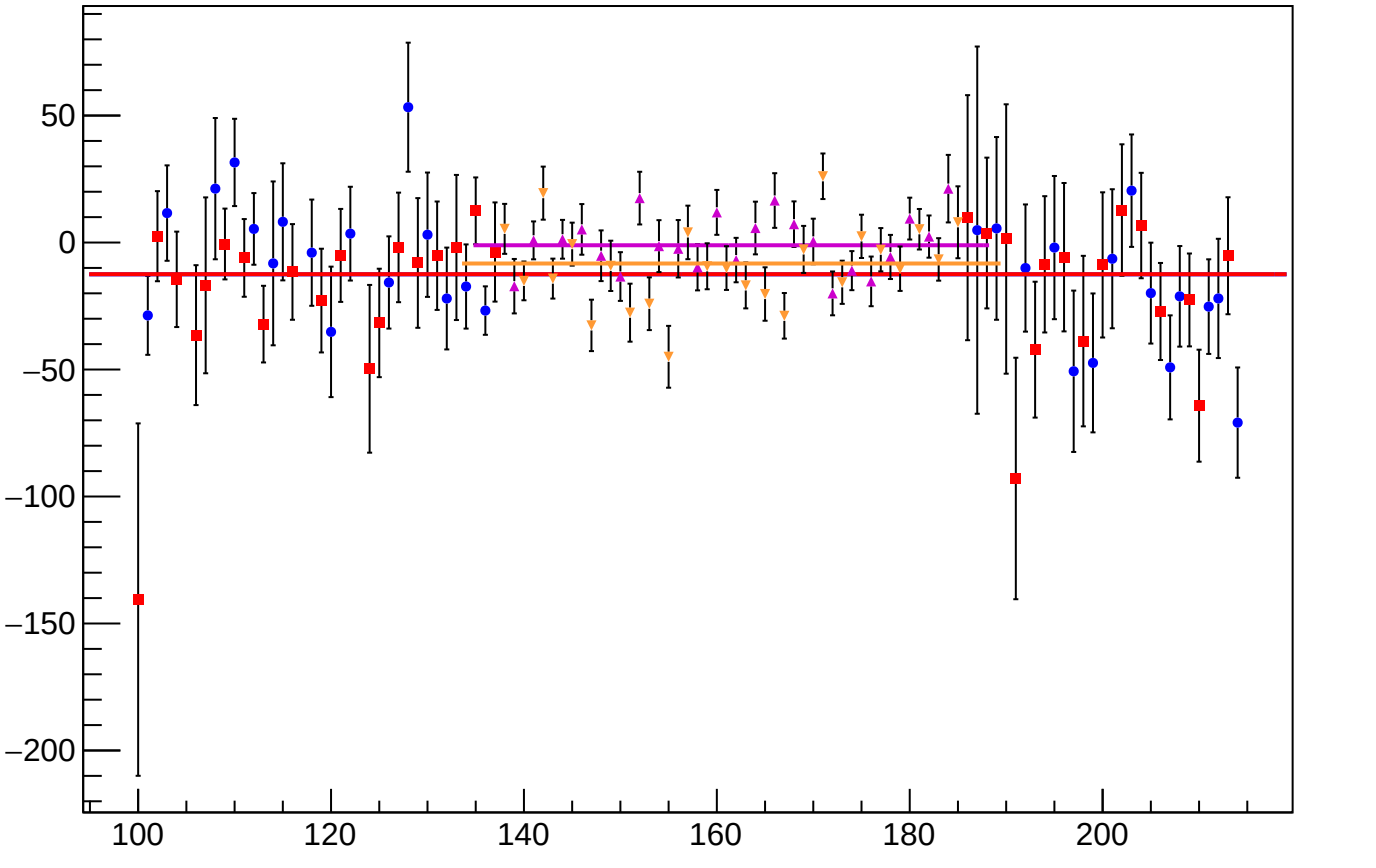
Right Out: 8.612+/-0.001 χ^2/NDF: 1585213.2/33

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.179+/-0.001 χ^2/NDF: 3223466.2/54

All: 8.238+/-0.001 χ^2/NDF: 6362701.4/111

- sign 8.299+/-0.001 χ^2/NDF: 3131595.0/56



Right In: -12.533+/-3.690 χ^2/NDF: 41.8/29

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -12.465+/-3.755 χ^2/NDF: 28.0/33

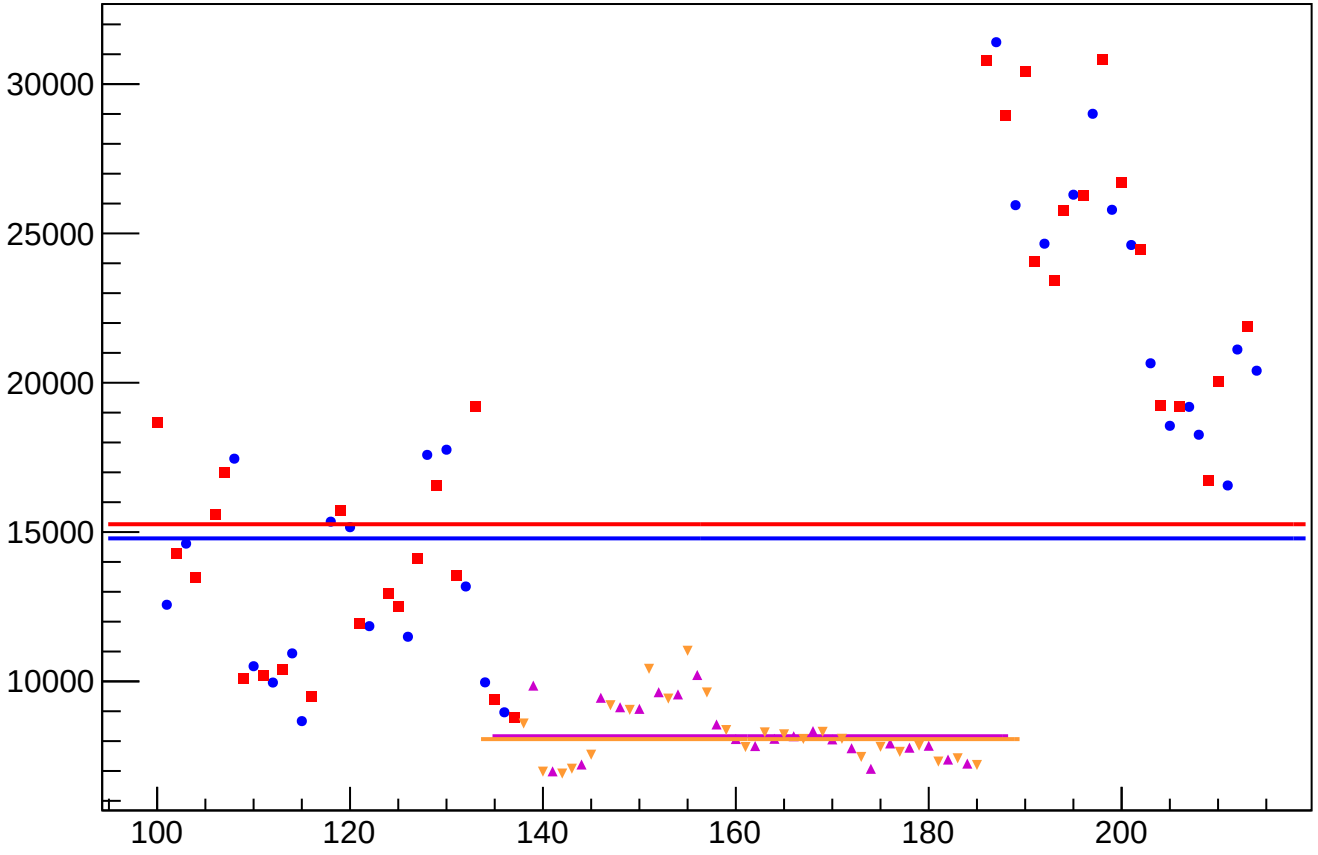
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -9.115+/-1.653 χ^2/NDF: 105.0/54

All: -6.371+/-1.189 χ^2/NDF: 174.9/111

- sign -3.435+/-1.710 χ^2/NDF: 64.2/56

diff_targ_positionX_rms vs Slug



Right In: 14788.454+/-2.609 χ^2/NDF: 4273715.0/29

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

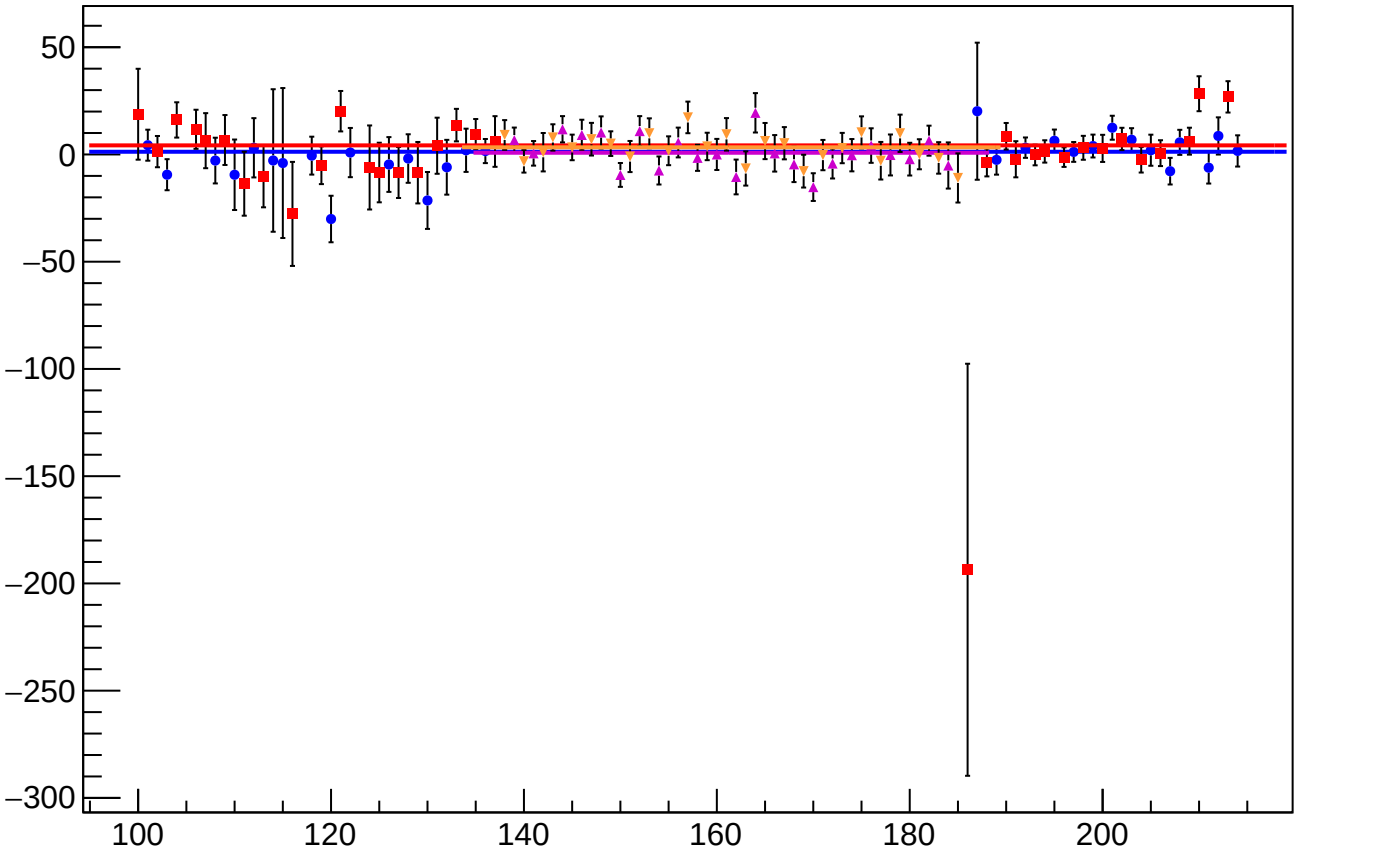
Right Out: 15262.376+/-2.655 χ^2/NDF: 4787643.9/33

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9416.253+/-1.169 χ^2/NDF: 10076126.2/54

All: 9522.339+/-0.841 χ^2/NDF: 20978891.8/1

- sign 9635.824+/-1.209 χ^2/NDF: 10885723.7/56



Right In: 1.259+/-1.373 χ^2/NDF: 26.5/29

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 4.236+/-1.326 χ^2/NDF: 46.7/33

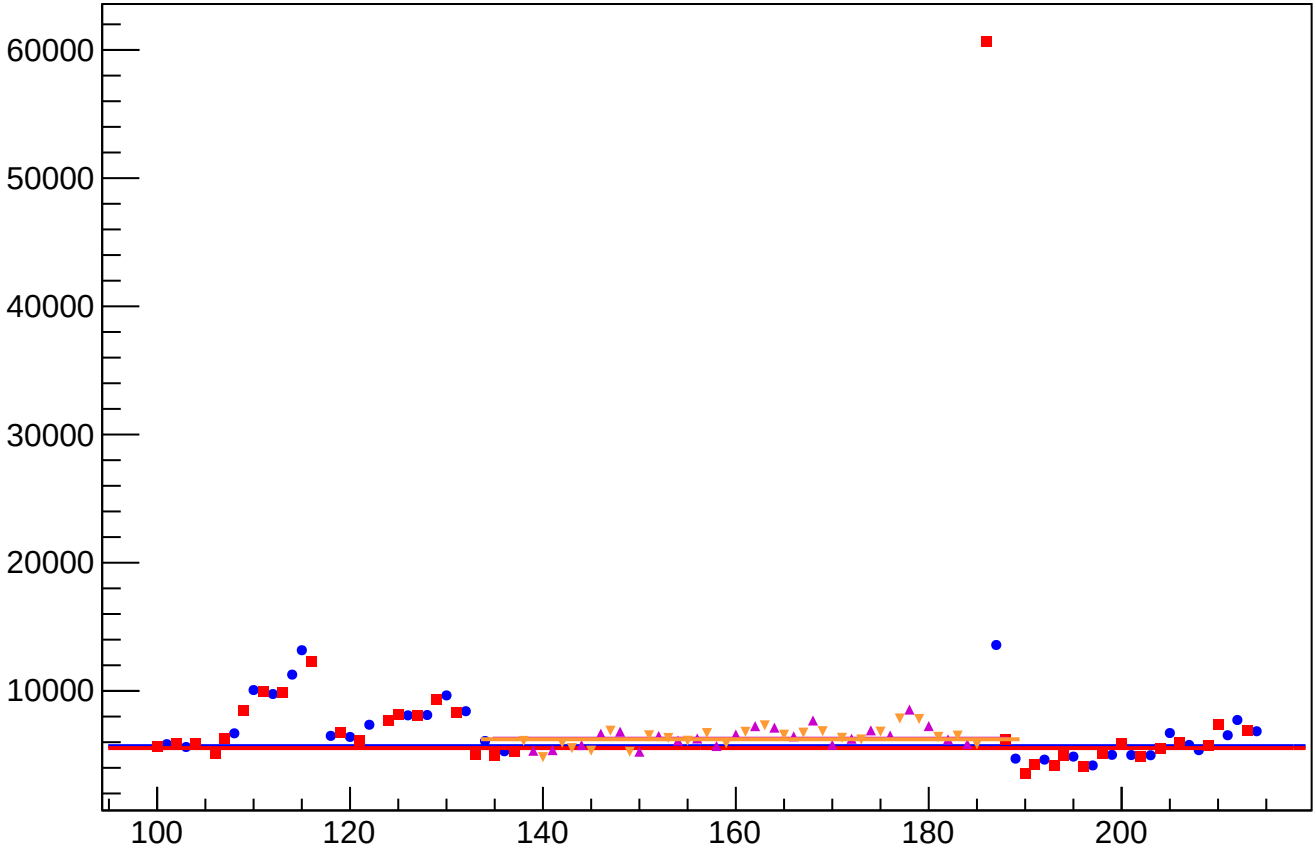
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.252+/-0.991 χ^2/NDF: 44.6/54

All: 2.479+/-0.699 χ^2/NDF: 123.8/111

- sign 2.703+/-0.987 χ^2/NDF: 79.1/56

diff_targ_positionY_rms vs Slug



Right In: 5691.043+/-0.971 χ^2/NDF: 1847712.2/29

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5539.920+/-0.937 χ^2/NDF: 2681890.0/33

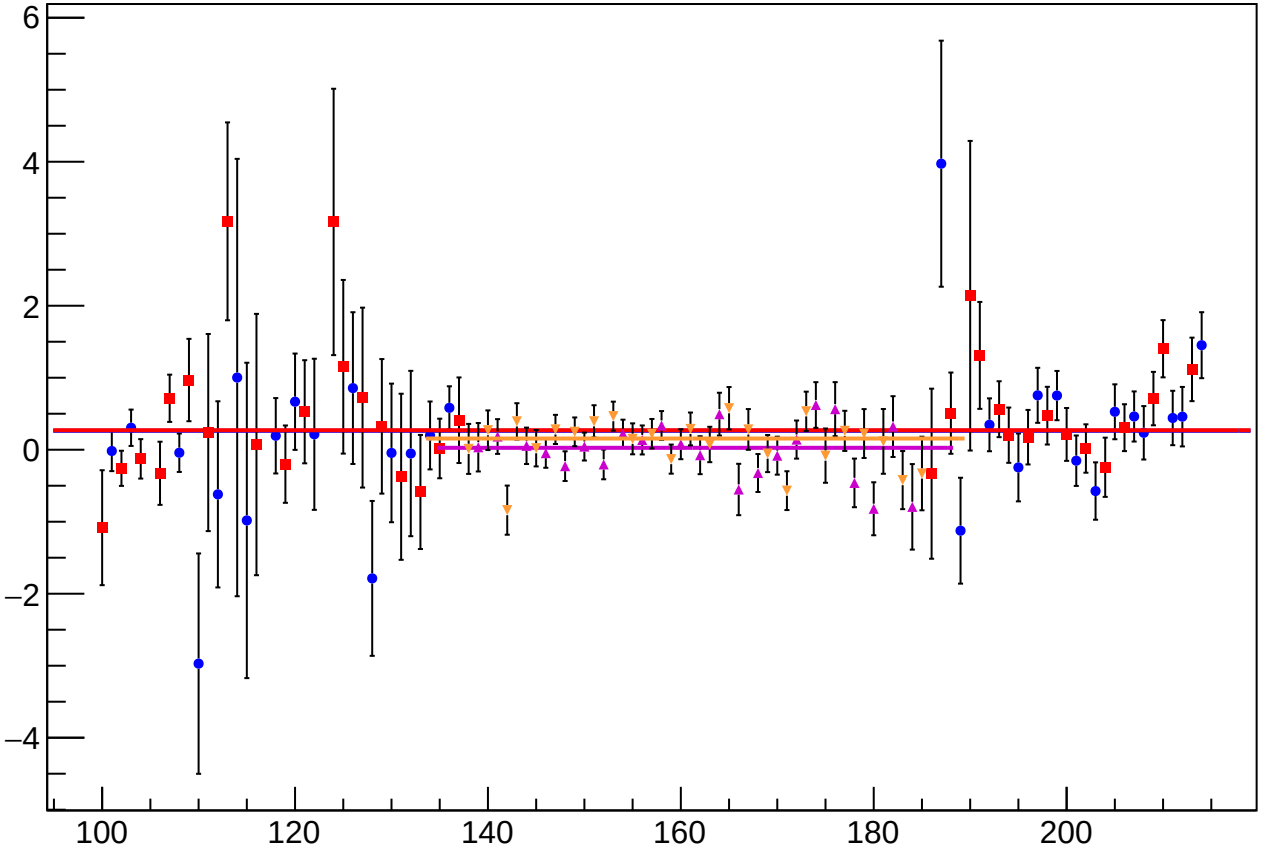
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5949.970+/-0.701 χ^2/NDF: 2528538.3/54

All: 5907.658+/-0.494 χ^2/NDF: 5993329.9/11

- sign 5865.653+/-0.698 χ^2/NDF: 3457521.6/56

diff_targ_thetaX_mean vs Slug



Right In: 0.263+/-0.081 χ^2/NDF: 40.3/29

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.271+/-0.081 χ^2/NDF: 44.7/33

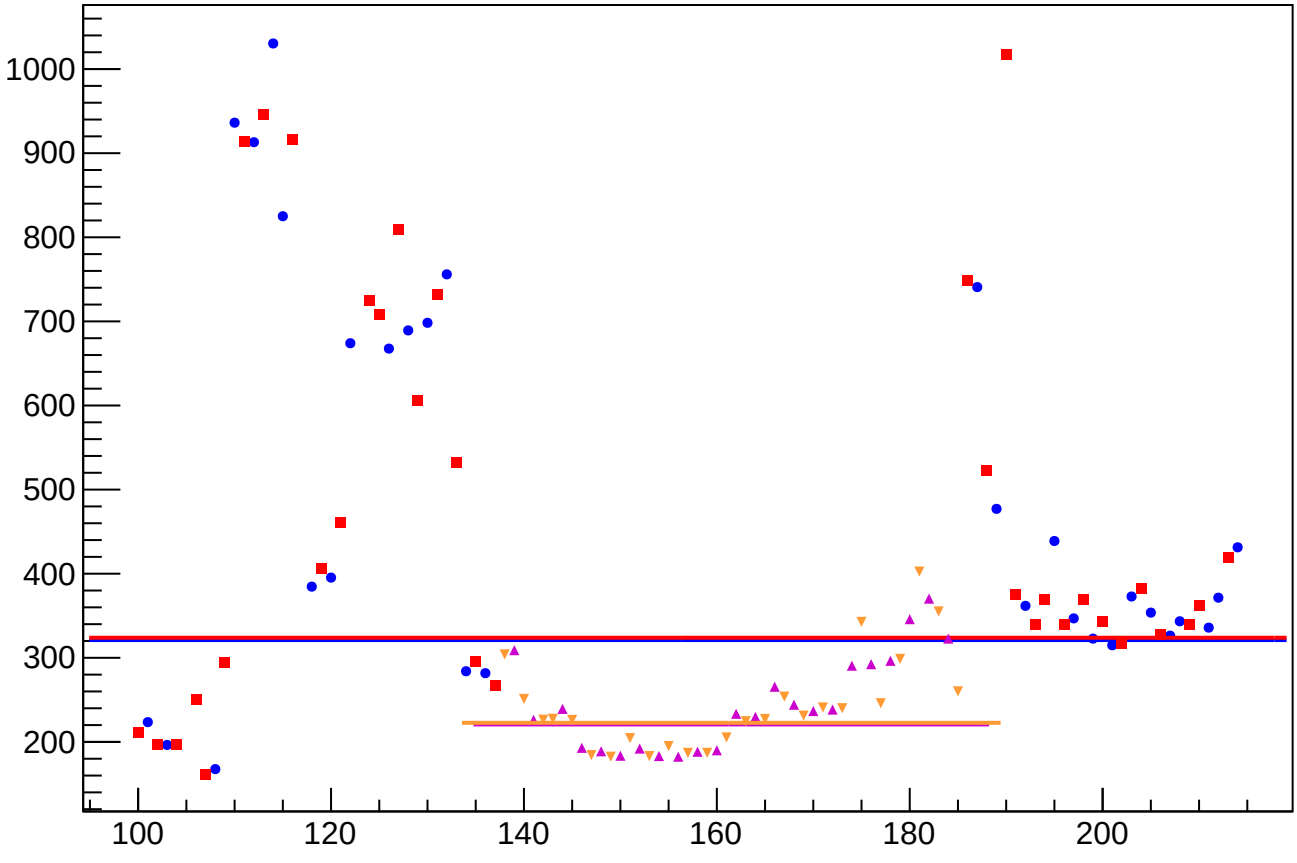
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.187+/-0.044 χ^2/NDF: 73.9/54

All: 0.144+/-0.031 χ^2/NDF: 156.7/111

- sign 0.100+/-0.044 χ^2/NDF: 80.9/56

diff_targ_thetaX_rms vs Slug



Right In: 321.108+/-0.057 χ^2/NDF: 4296865.5/29

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 323.867+/-0.057 χ^2/NDF: 4825810.9/33

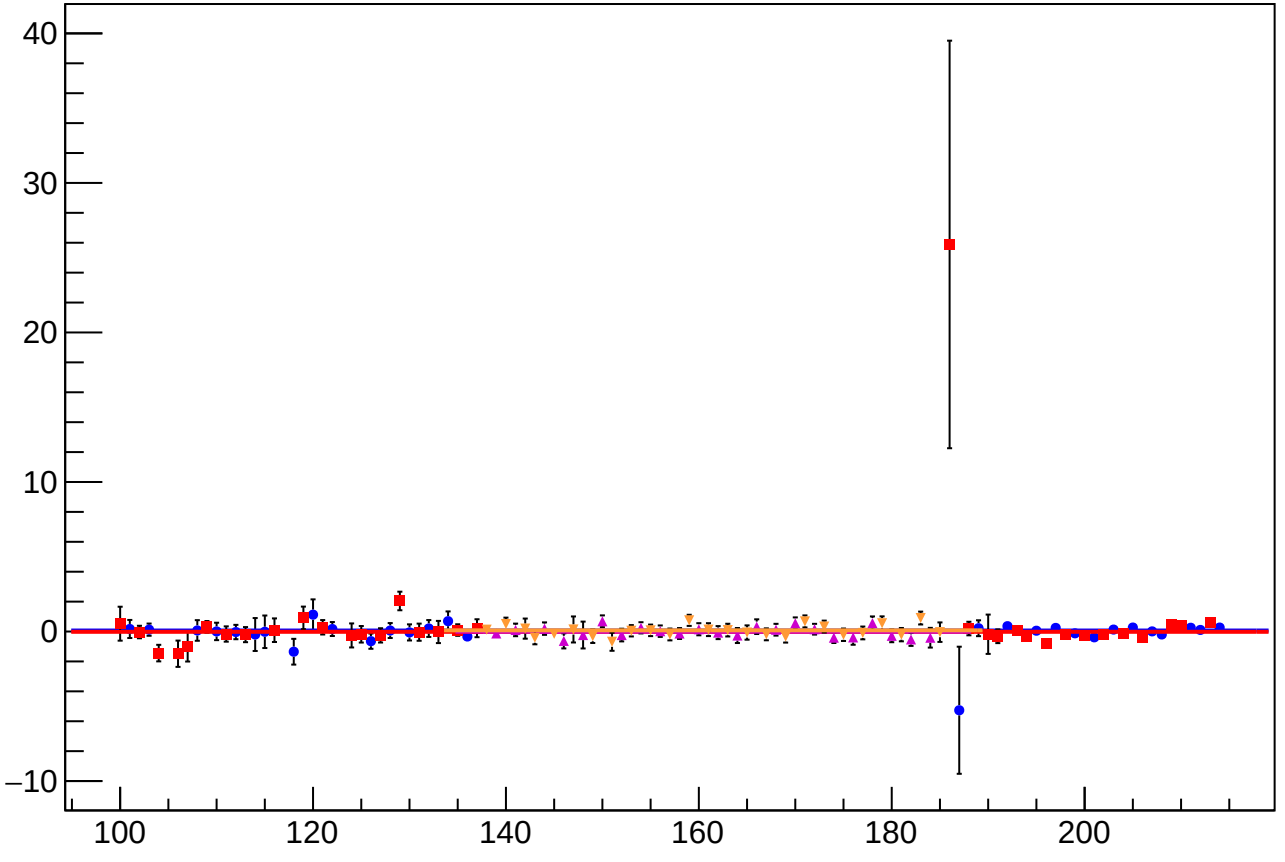
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 251.566+/-0.031 χ^2/NDF: 7853944.5/54

All: 251.636+/-0.022 χ^2/NDF: 16421866.2/11

- sign 251.708+/-0.031 χ^2/NDF: 8567911.2/56

diff_targ_thetaY_mean vs Slug



Right In: 0.067+/-0.062 χ^2/NDF: 18.7/29

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.018+/-0.064 χ^2/NDF: 60.0/33

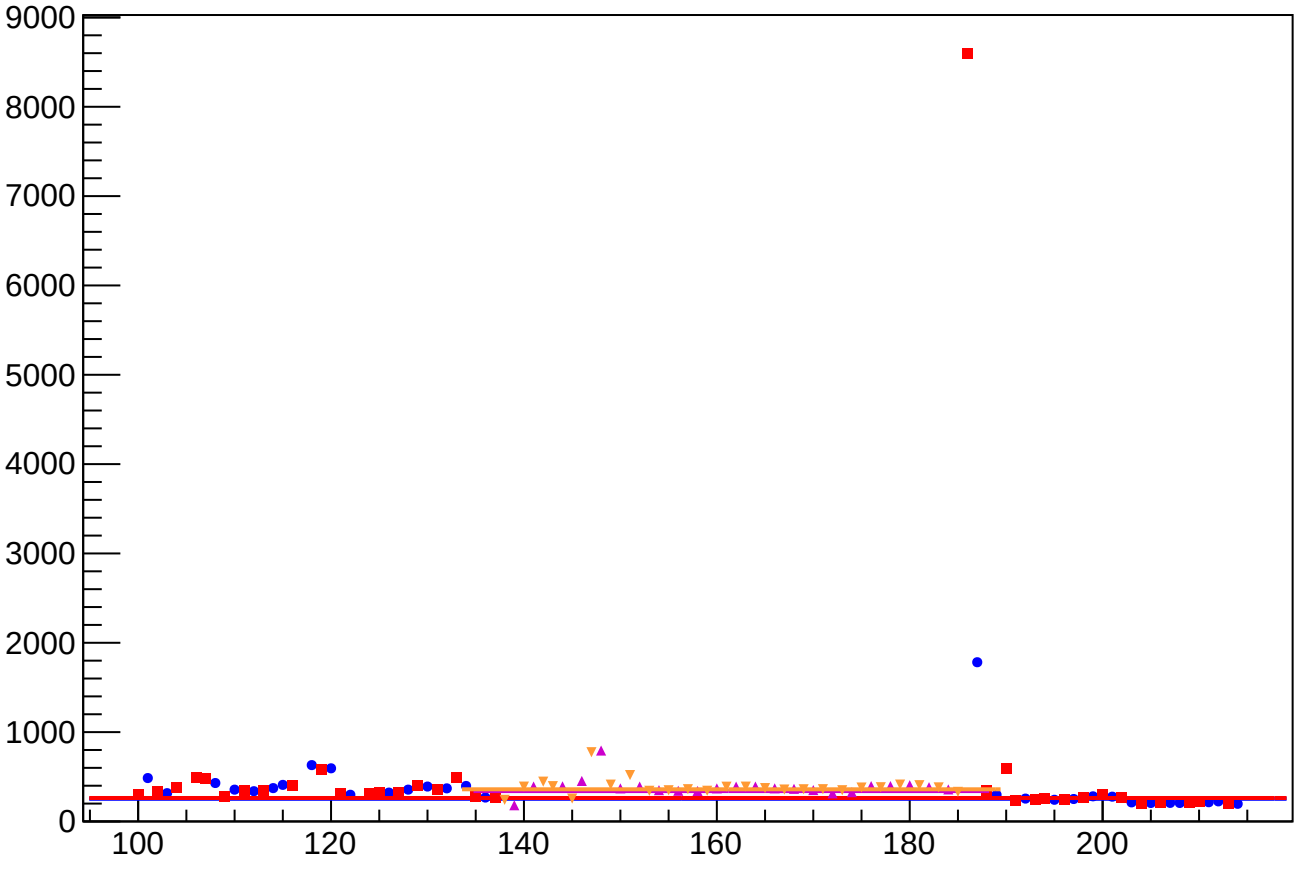
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.071+/-0.050 χ^2/NDF: 37.7/54

All: 0.029+/-0.036 χ^2/NDF: 114.4/111

- sign -0.015+/-0.051 χ^2/NDF: 75.3/56

diff_targ_thetaY_rms vs Slug



Right In: 253.702+/-0.044 χ^2/NDF: 2577733.7/29

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 262.692+/-0.045 χ^2/NDF: 2890194.6/33

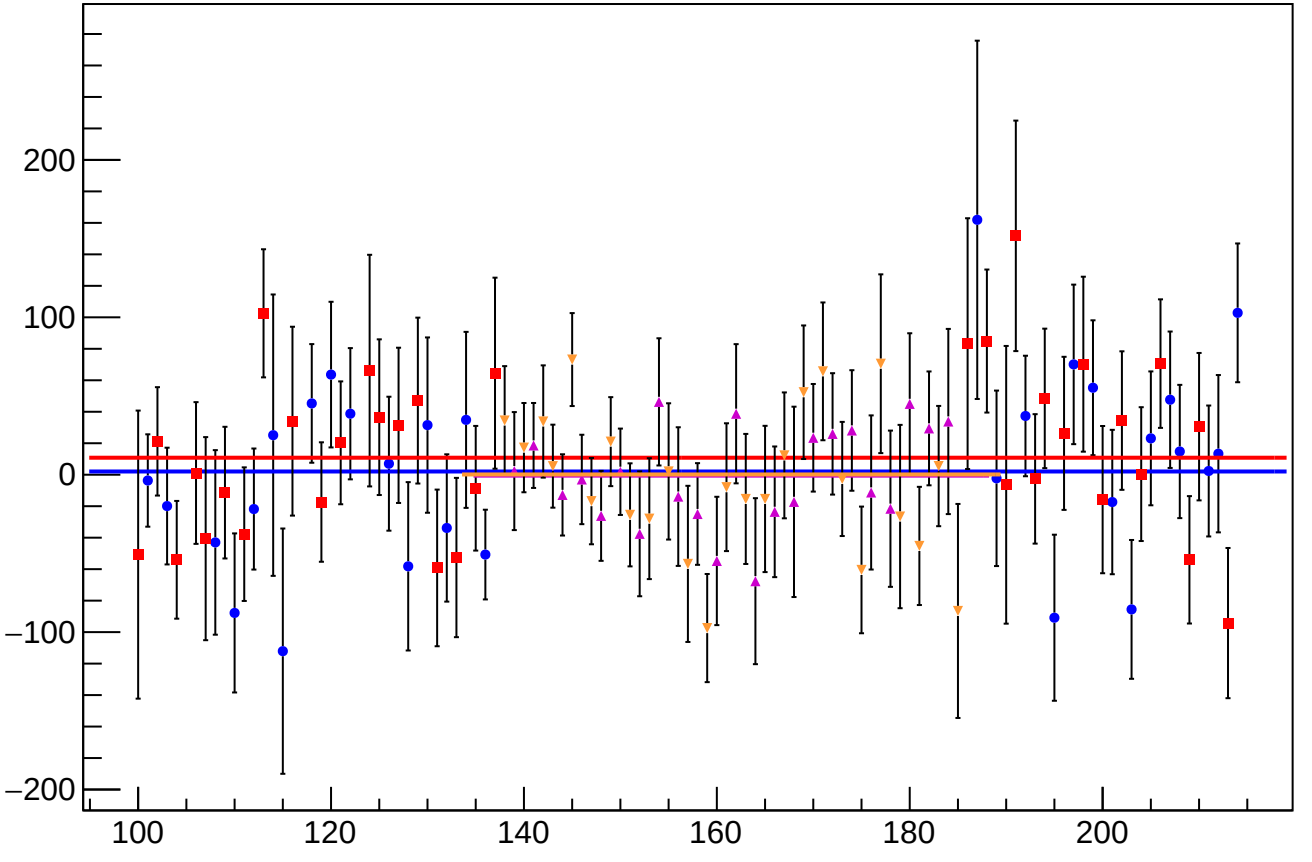
Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 291.093+/-0.035 χ^2/NDF: 5979481.3/54

All: 291.309+/-0.025 χ^2/NDF: 12188230.1/11

- sign 291.531+/-0.036 χ^2/NDF: 6208673.0/56

diff_bpmE_mean vs Slug



Right In: 2.055+/-8.160 χ^2/NDF: 36.6/29

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

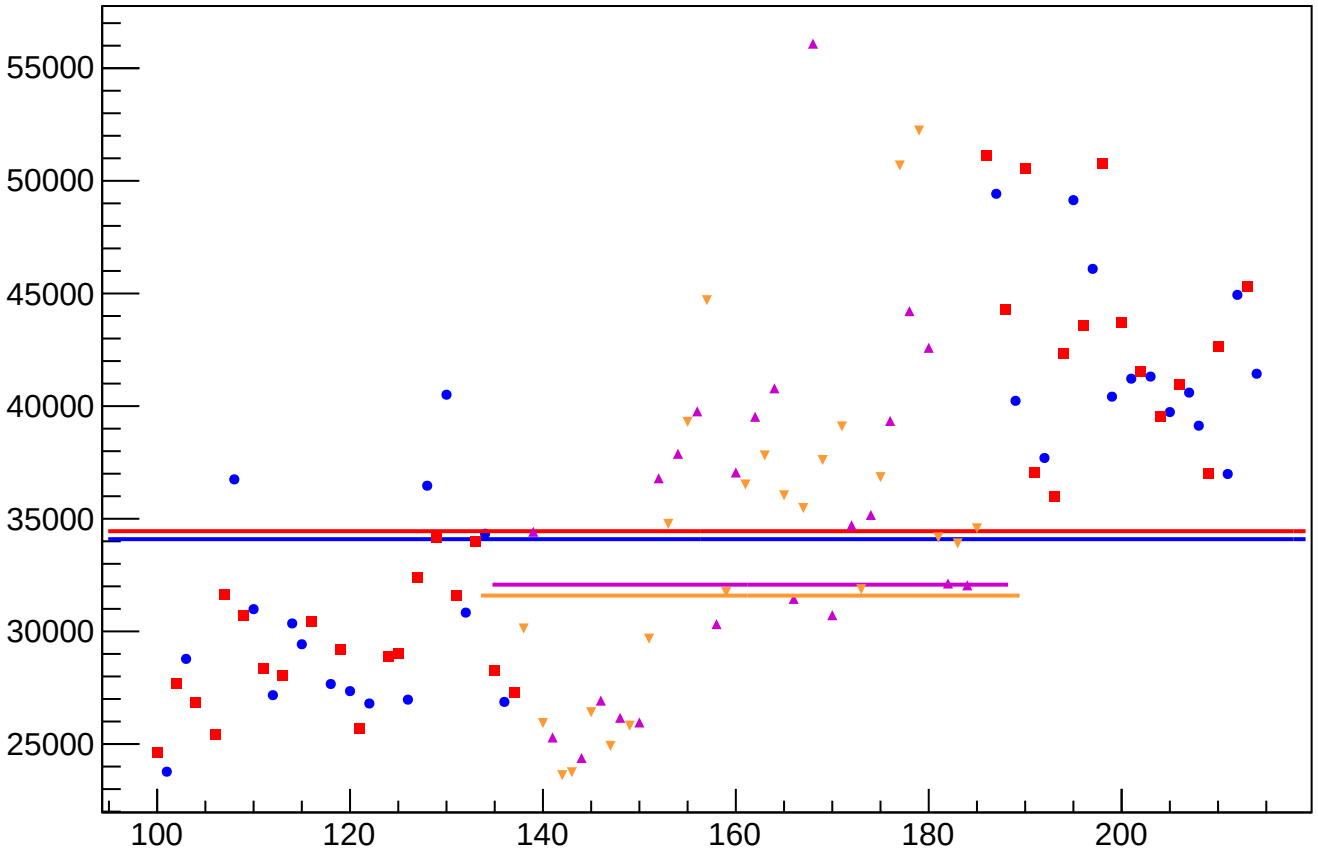
Right Out: 10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.016+/-5.471 χ^2/NDF: 67.8/54

All: 2.877+/-3.902 χ^2/NDF: 119.3/111

- sign 4.803+/-5.565 χ^2/NDF: 51.3/56



Right In: 34093.892+/-5.770 χ^2/NDF: 1528939.7/29

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 34448.325+/-5.721 χ^2/NDF: 1585213.2/33

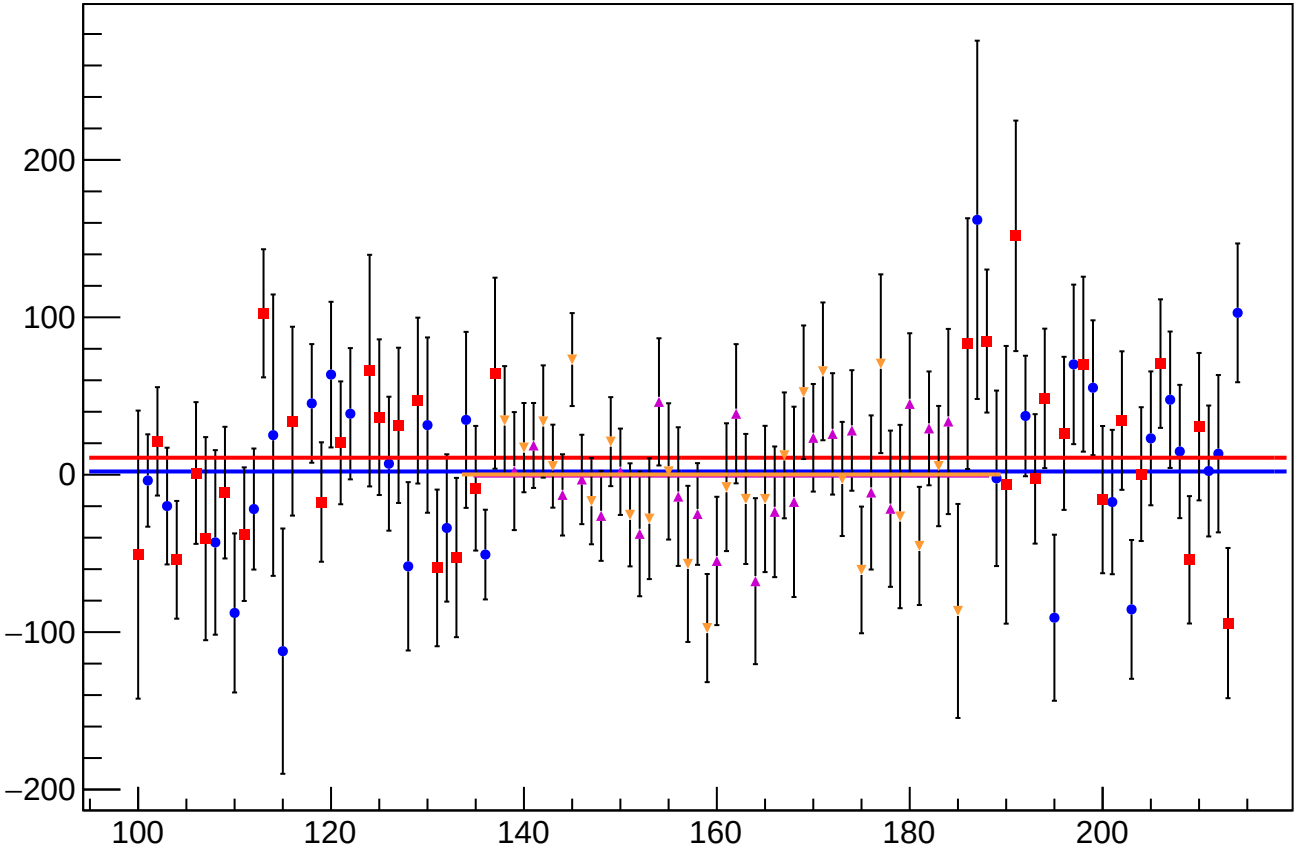
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32715.566+/-3.869 χ^2/NDF: 3223466.2/54

All: 32952.653+/-2.759 χ^2/NDF: 6362701.4/1

- sign 33197.927+/-3.935 χ^2/NDF: 3131595.0/56

diff_bpmEX_mean vs Slug



Right In: 2.055+/-8.160 χ^2/NDF: 36.6/29

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

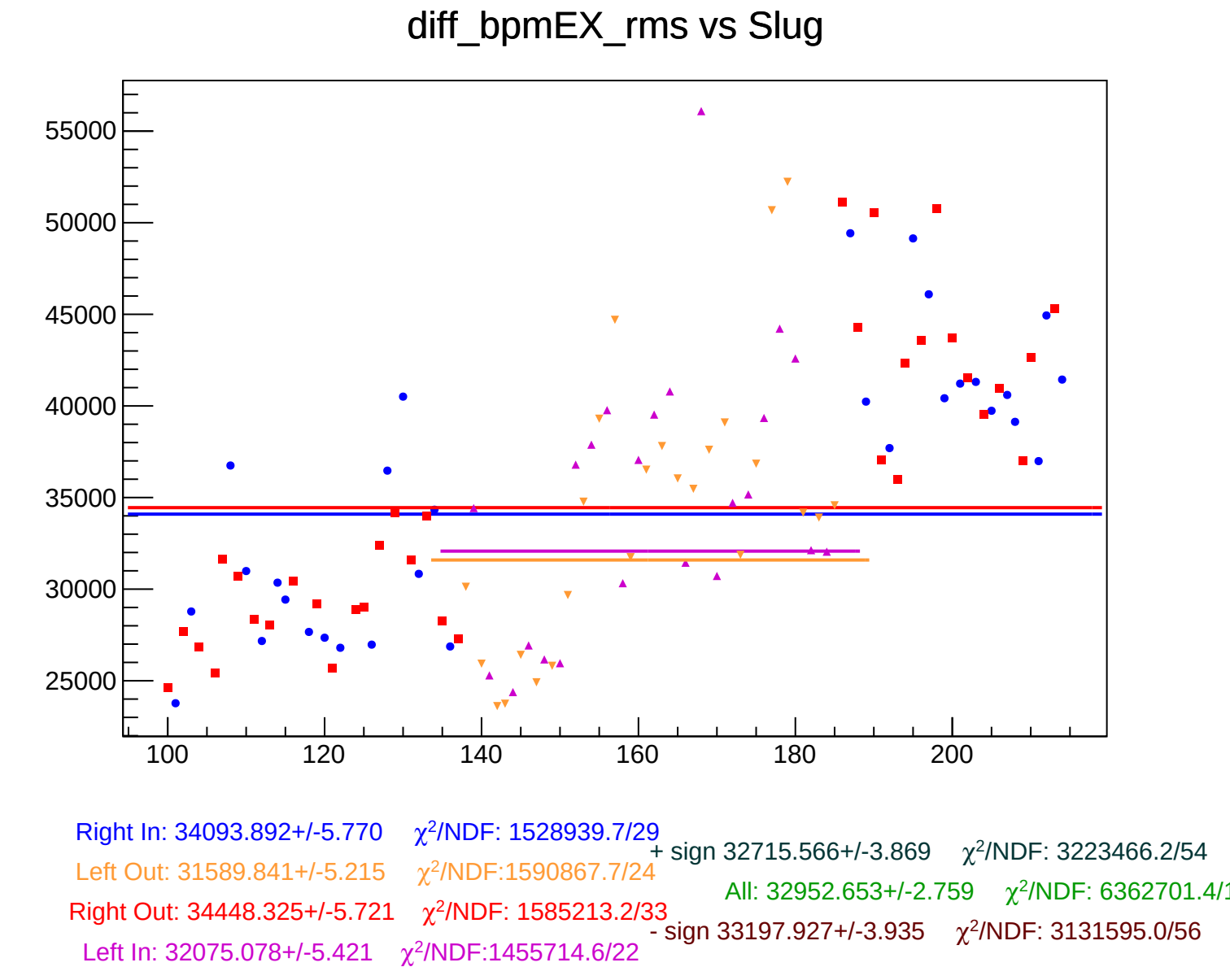
Right Out: 10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

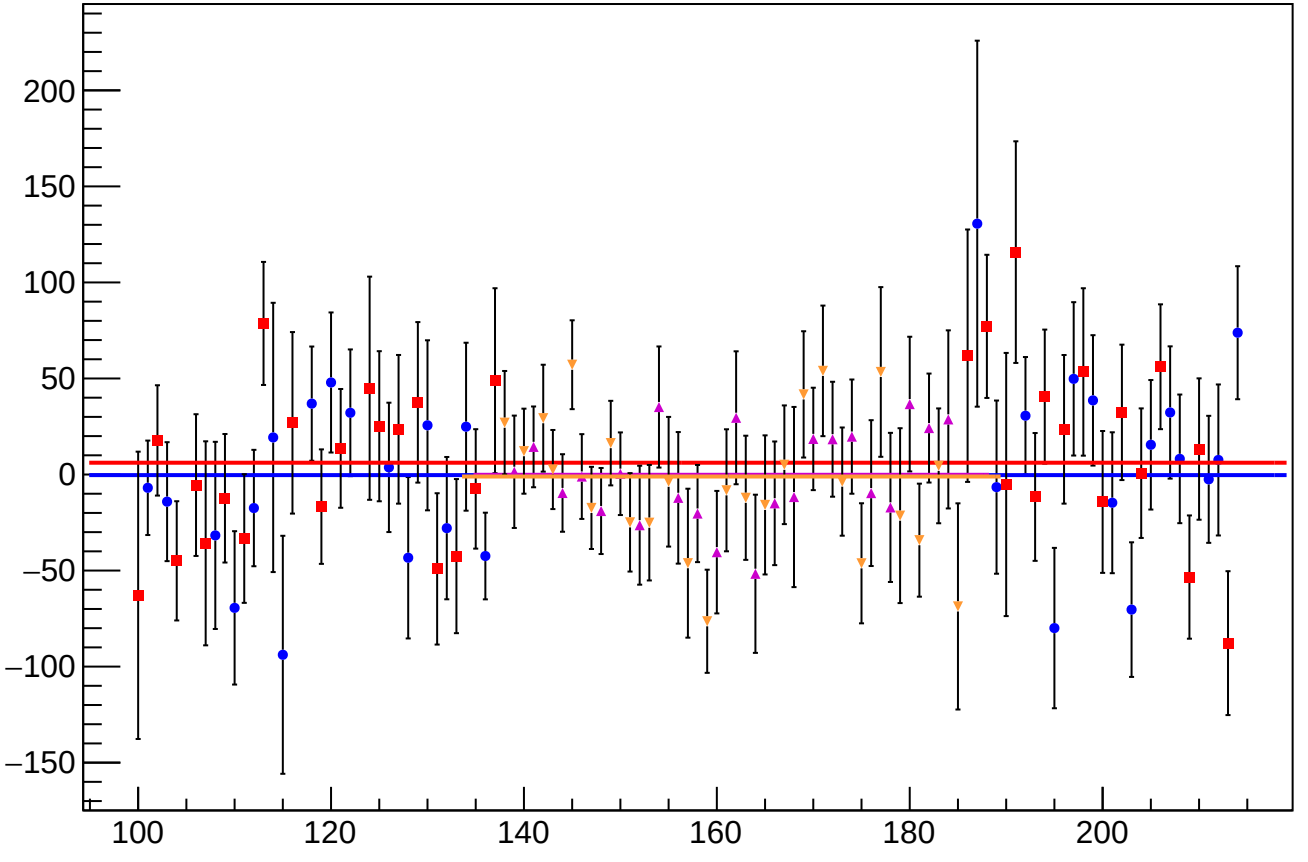
+ sign 1.016+/-5.471 χ^2/NDF: 67.8/54

All: 2.877+/-3.902 χ^2/NDF: 119.3/111

- sign 4.803+/-5.565 χ^2/NDF: 51.3/56


diff_bpmEX_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 34093.892+/-5.770 χ²/NDF: 1528939.7/29
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34448.325+/-5.721 χ²/NDF: 1585213.2/33
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32715.566+/-3.869 χ²/NDF: 3223466.2/54
All: 32952.653+/-2.759 χ²/NDF: 6362701.4/1
- sign 33197.927+/-3.935 χ²/NDF: 3131595.0/56

diff_bpmE_11X12X_mean vs Slug



Right In: -0.308+/-6.511 χ^2/NDF: 35.8/29

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

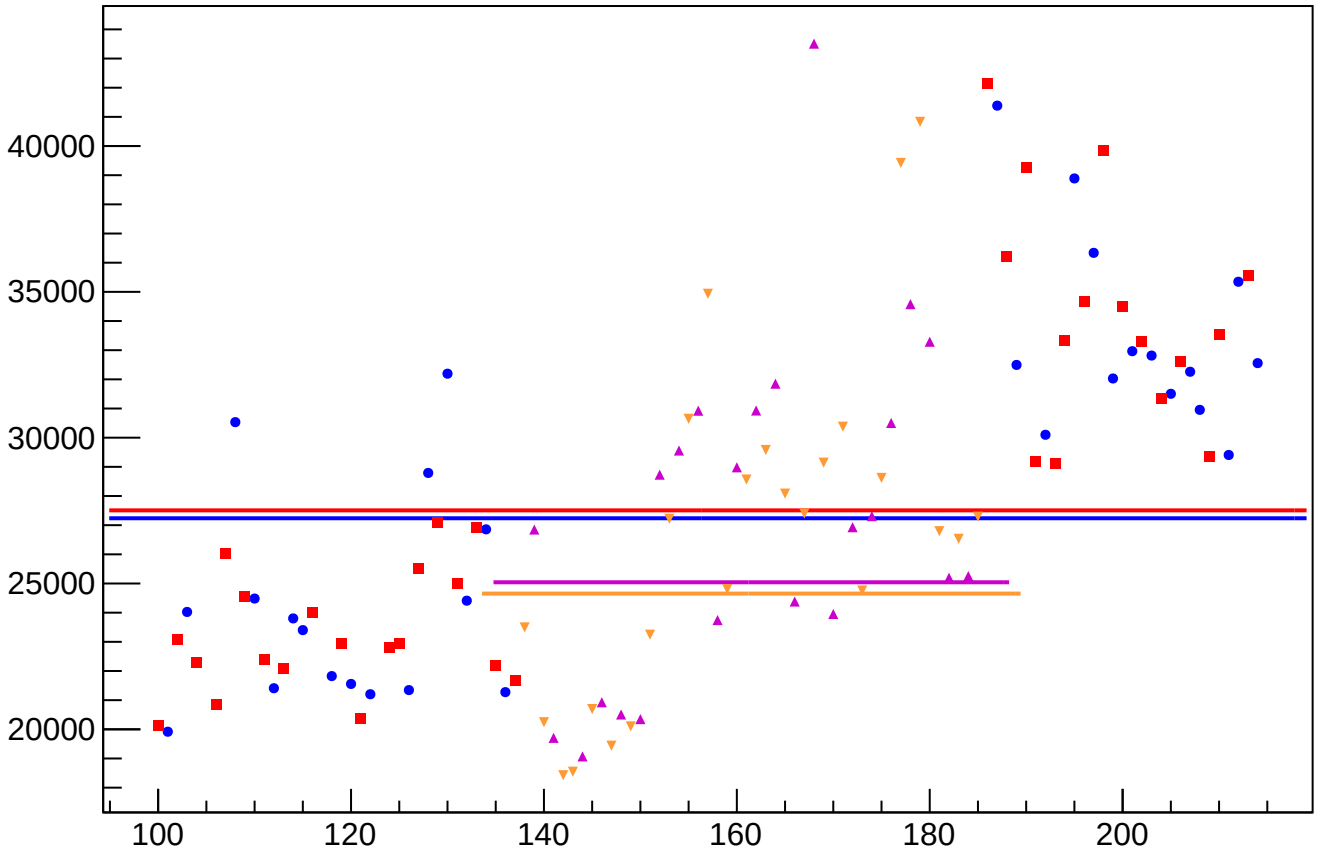
Right Out: 6.141+/-6.456 χ^2/NDF: 41.6/33

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -0.720+/-4.312 χ^2/NDF: 68.2/54

All: 0.989+/-3.076 χ^2/NDF: 122.7/111

- sign 2.759+/-4.389 χ^2/NDF: 54.2/56



Right In: 27237.096+/-4.604 χ^2/NDF: 1454259.1/29

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27507.755+/-4.565 χ^2/NDF: 1528994.0/33

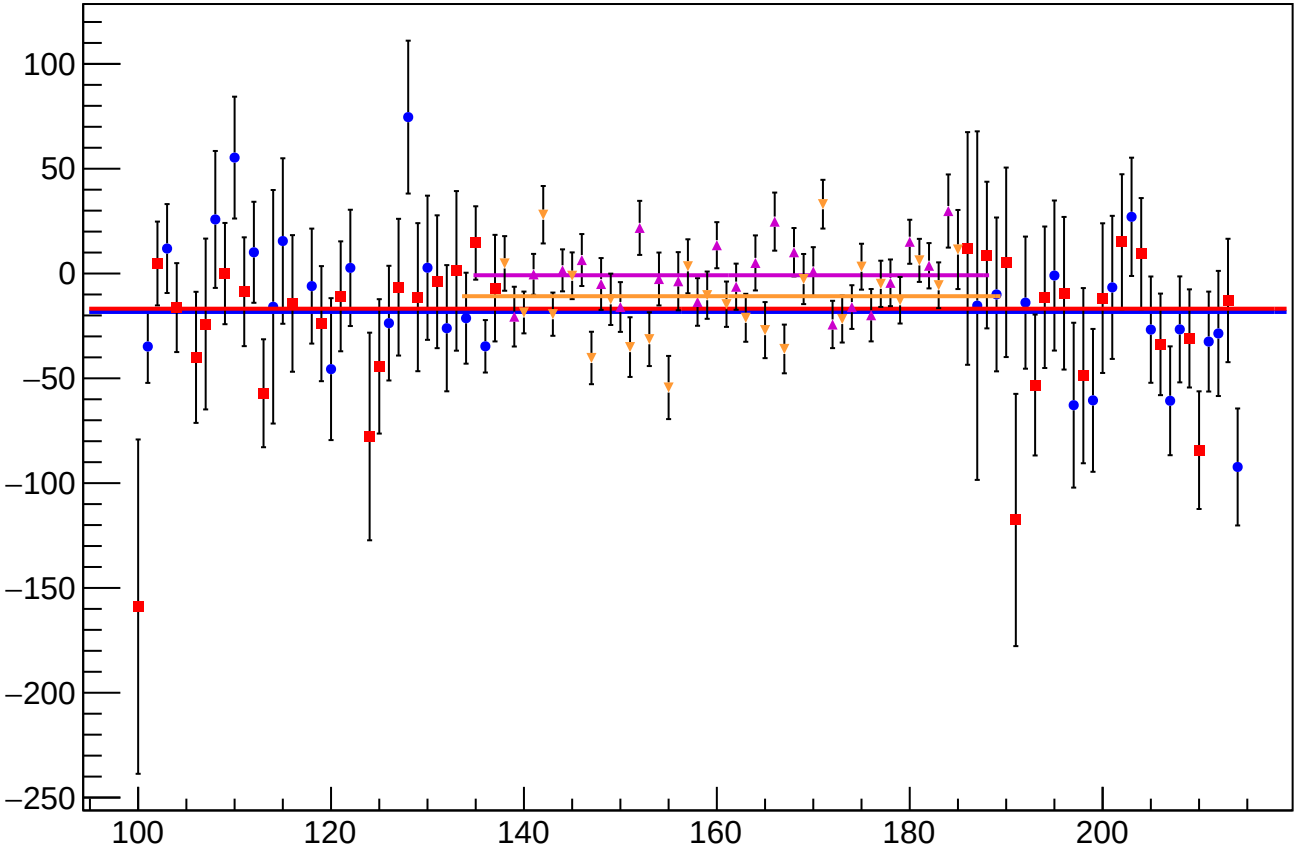
Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25786.824+/-3.049 χ^2/NDF: 3213699.6/54

All: 25980.730+/-2.175 χ^2/NDF: 6349484.9/1

- sign 26181.629+/-3.103 χ^2/NDF: 3127550.1/56

diff_bpm4aesumX_mean vs Slug



Right In: -18.338+/-4.911 χ^2/NDF: 39.6/29

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: -16.785+/-5.086 χ^2/NDF: 28.5/33

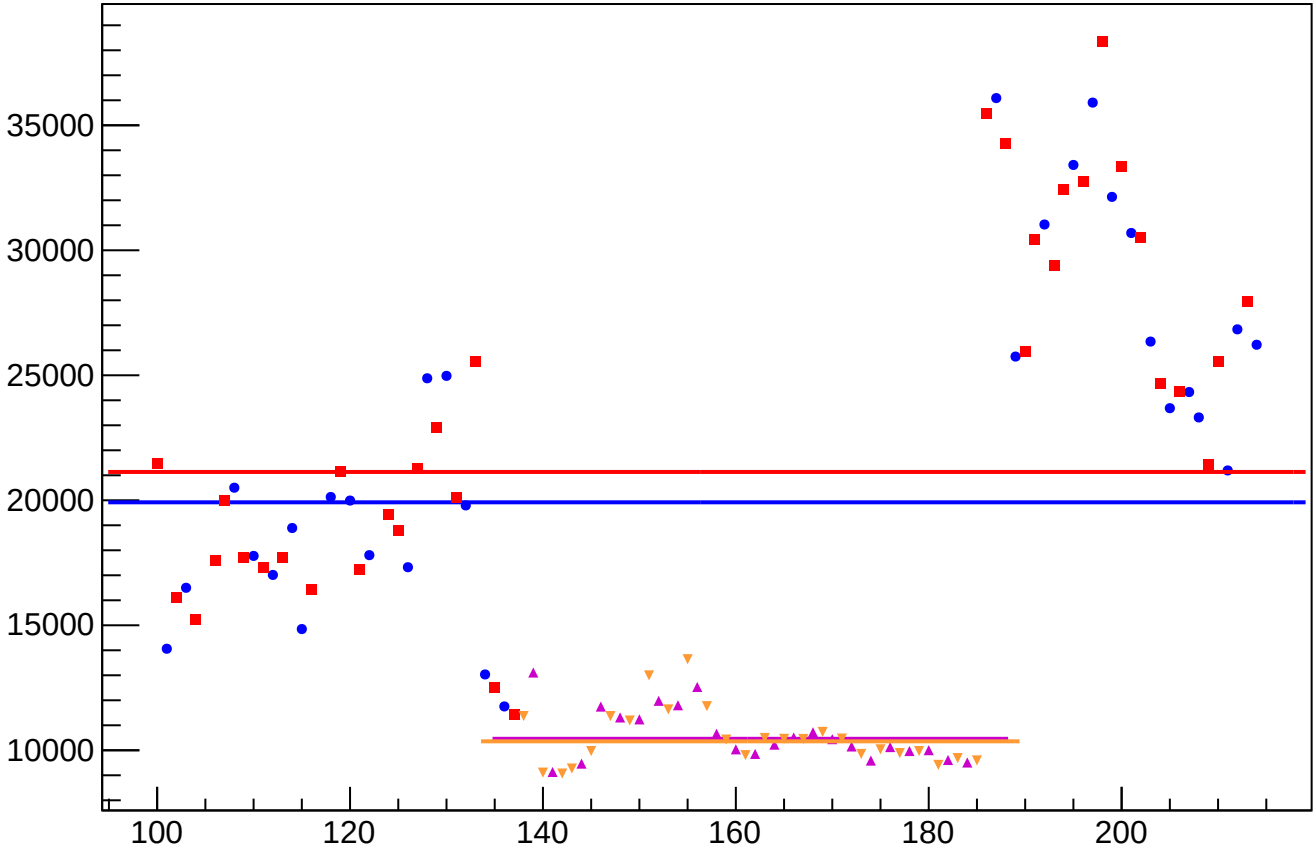
Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -12.242+/-2.135 χ^2/NDF: 102.8/54

All: -8.194+/-1.536 χ^2/NDF: 176.2/111

- sign -3.846+/-2.212 χ^2/NDF: 65.9/56

diff_bpm4aesumX_rms vs Slug



Right In: 19918.698+/-3.473 χ^2/NDF: 3419814.4/29

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 21133.304+/-3.596 χ^2/NDF: 3342112.2/33

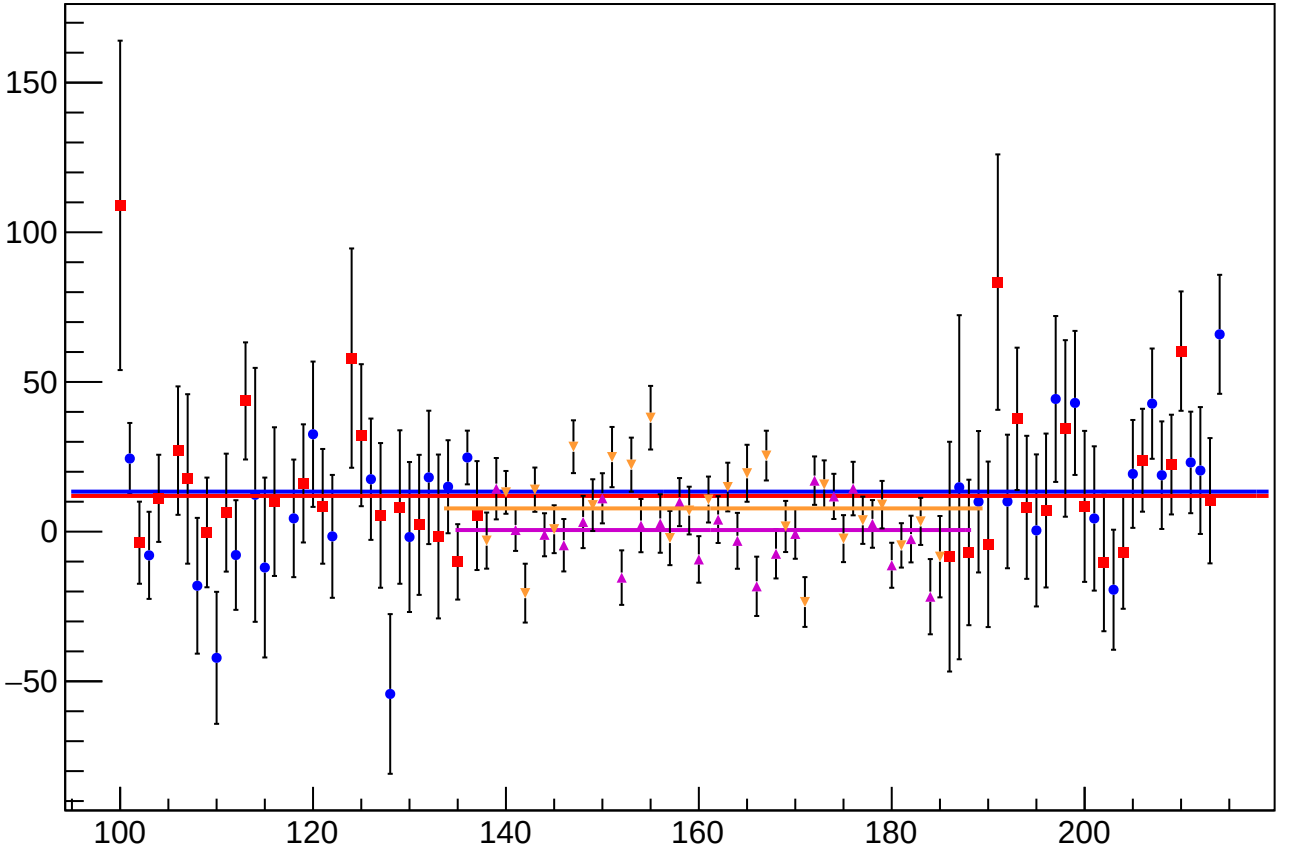
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 12164.752+/-1.509 χ^2/NDF: 9930275.9/54

All: 12316.290+/-1.086 χ^2/NDF: 20751186.8

- sign 12479.056+/-1.564 χ^2/NDF: 10800007.0/56

diff_bpm4aediffX_mean vs Slug



Right In: 13.367+/-3.506 χ^2/NDF: 39.2/29

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 11.920+/-3.637 χ^2/NDF: 28.8/33

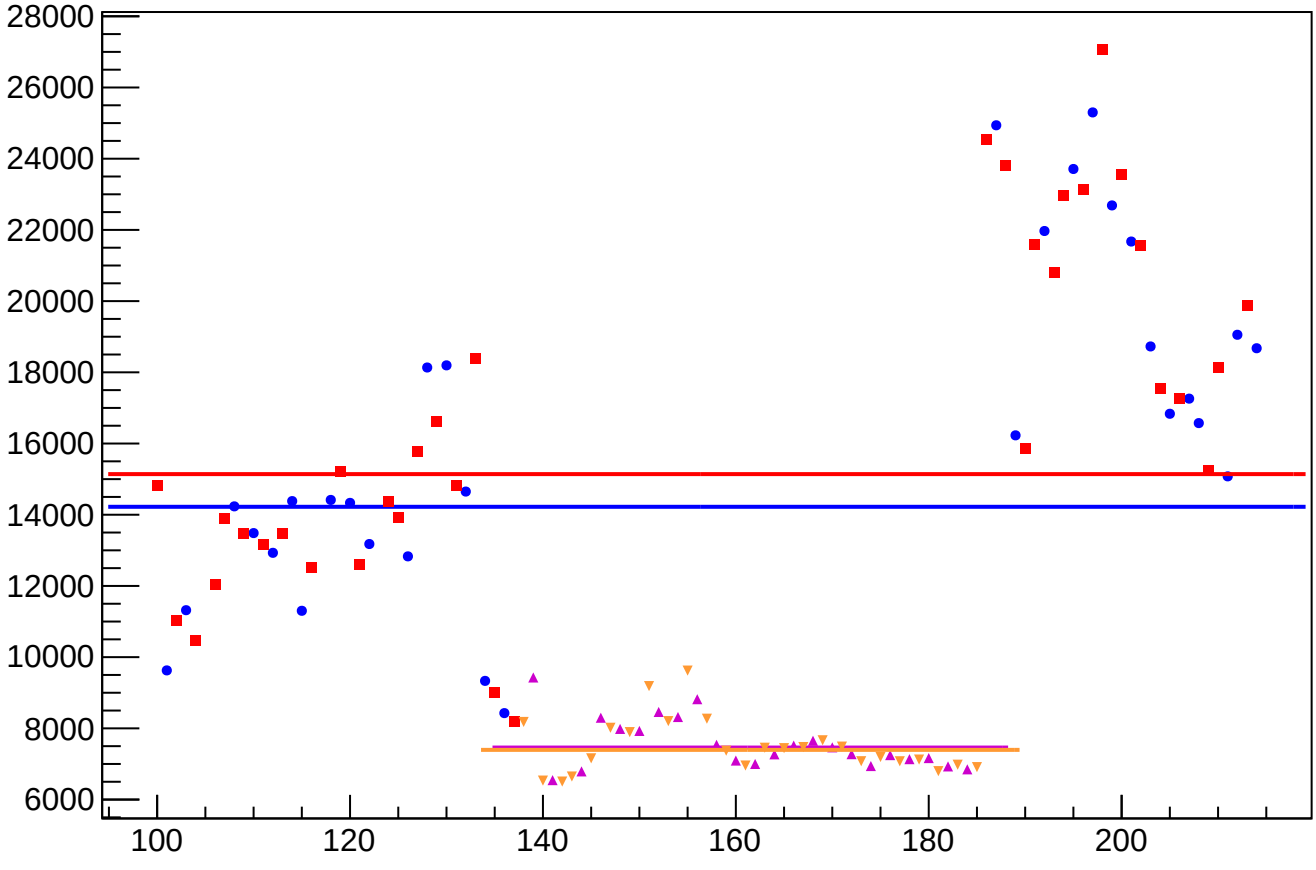
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 8.821+/-1.523 χ^2/NDF: 102.3/54

All: 5.858+/-1.096 χ^2/NDF: 176.3/111

- sign 2.677+/-1.578 χ^2/NDF: 66.2/56

diff_bpm4aediffX_rms vs Slug



Right In: 14223.049+/-2.479 χ^2/NDF: 3354285.7/29

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15141.042+/-2.572 χ^2/NDF: 3213845.0/33

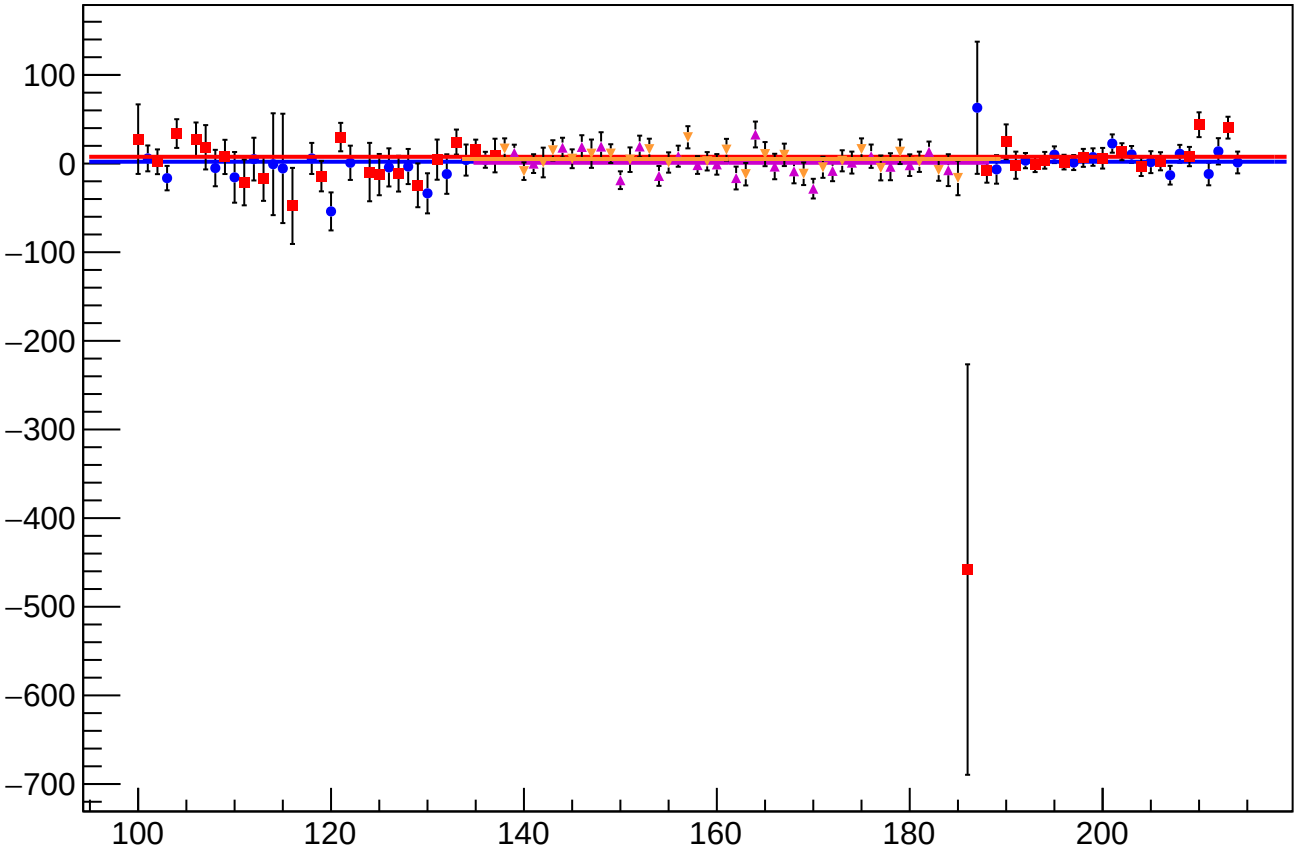
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8684.953+/-1.077 χ^2/NDF: 9832027.8/54

All: 8792.247+/-0.775 χ^2/NDF: 20589894.5/1

- sign 8907.422+/-1.116 χ^2/NDF: 10737296.3/56

diff_bpm4aesumY_mean vs Slug



Right In: 2.080+/-2.466 χ^2/NDF: 23.7/29

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

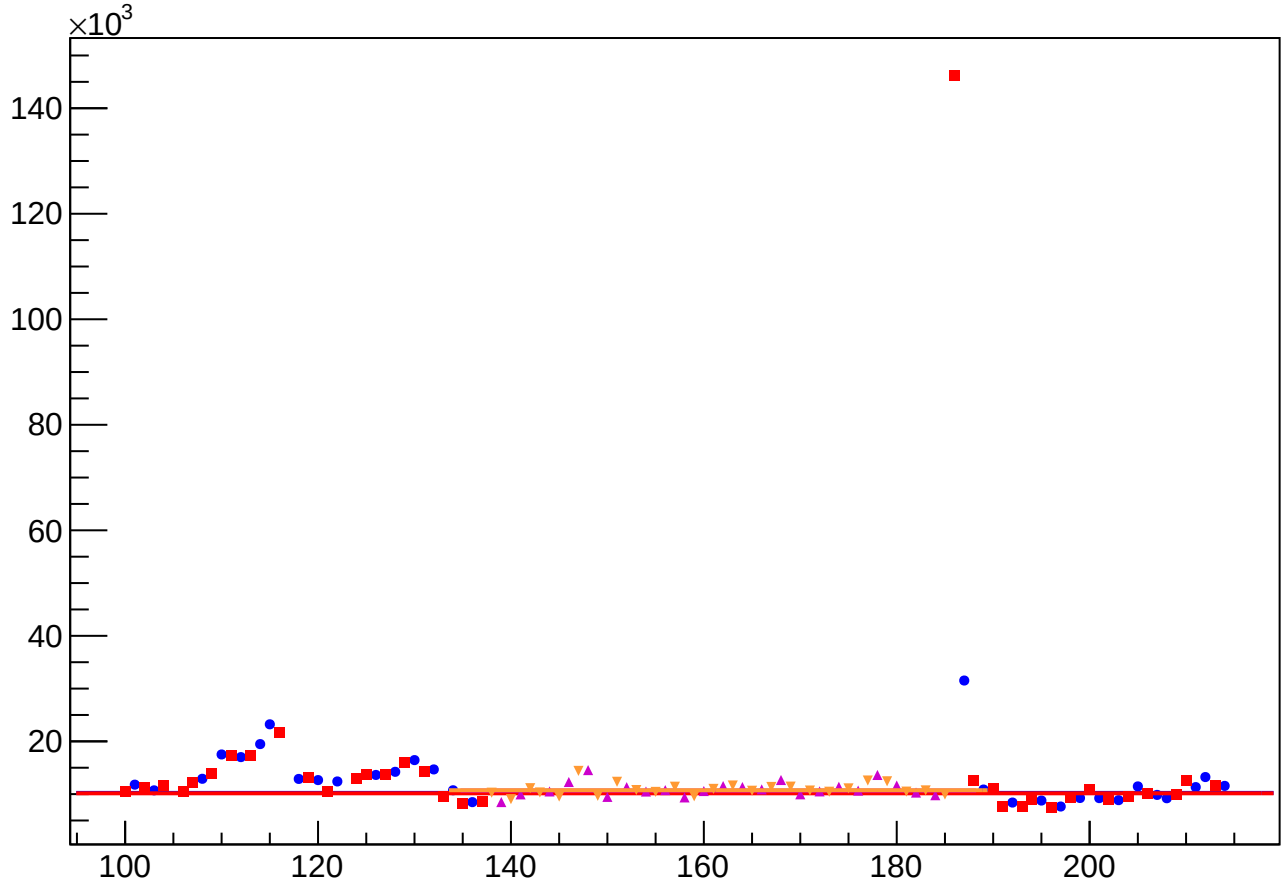
Right Out: 7.655+/-2.424 χ^2/NDF: 41.0/33

Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 3.633+/-1.741 χ^2/NDF: 42.9/54

All: 4.017+/-1.233 χ^2/NDF: 119.6/111

- sign 4.402+/-1.747 χ^2/NDF: 76.6/56



Right In: 10229.392+/-1.744 χ^2/NDF: 1756496.2/29

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10151.675+/-1.714 χ^2/NDF: 2390995.3/33

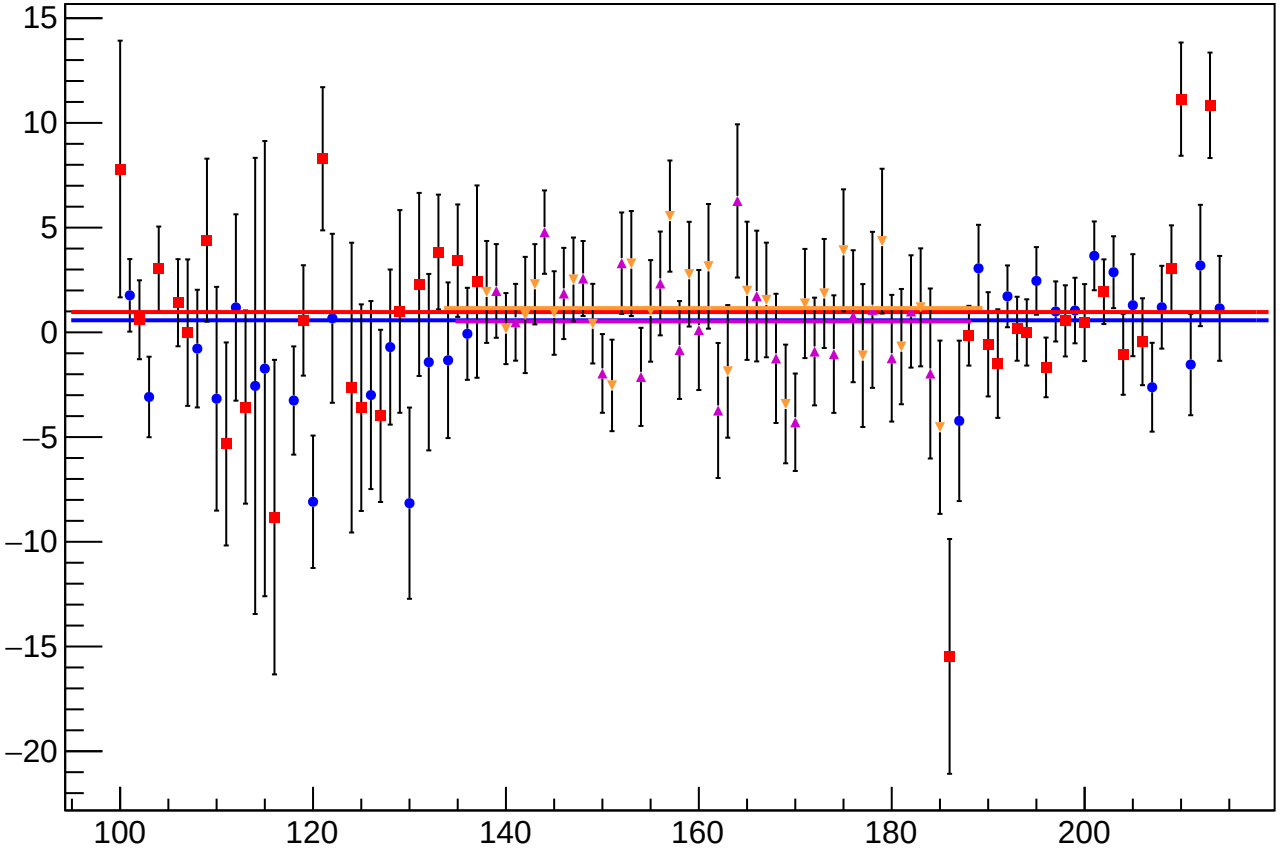
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10482.293+/-1.231 χ^2/NDF: 2166725.6/54

All: 10443.458+/-0.872 χ^2/NDF: 5105486.8/1

- sign 10404.383+/-1.235 χ^2/NDF: 2936765.2/56

diff_bpm4aediffY_mean vs Slug



Right In: 0.575+/-0.427 χ^2/NDF: 34.2/29

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.968+/-0.407 χ^2/NDF: 64.1/33

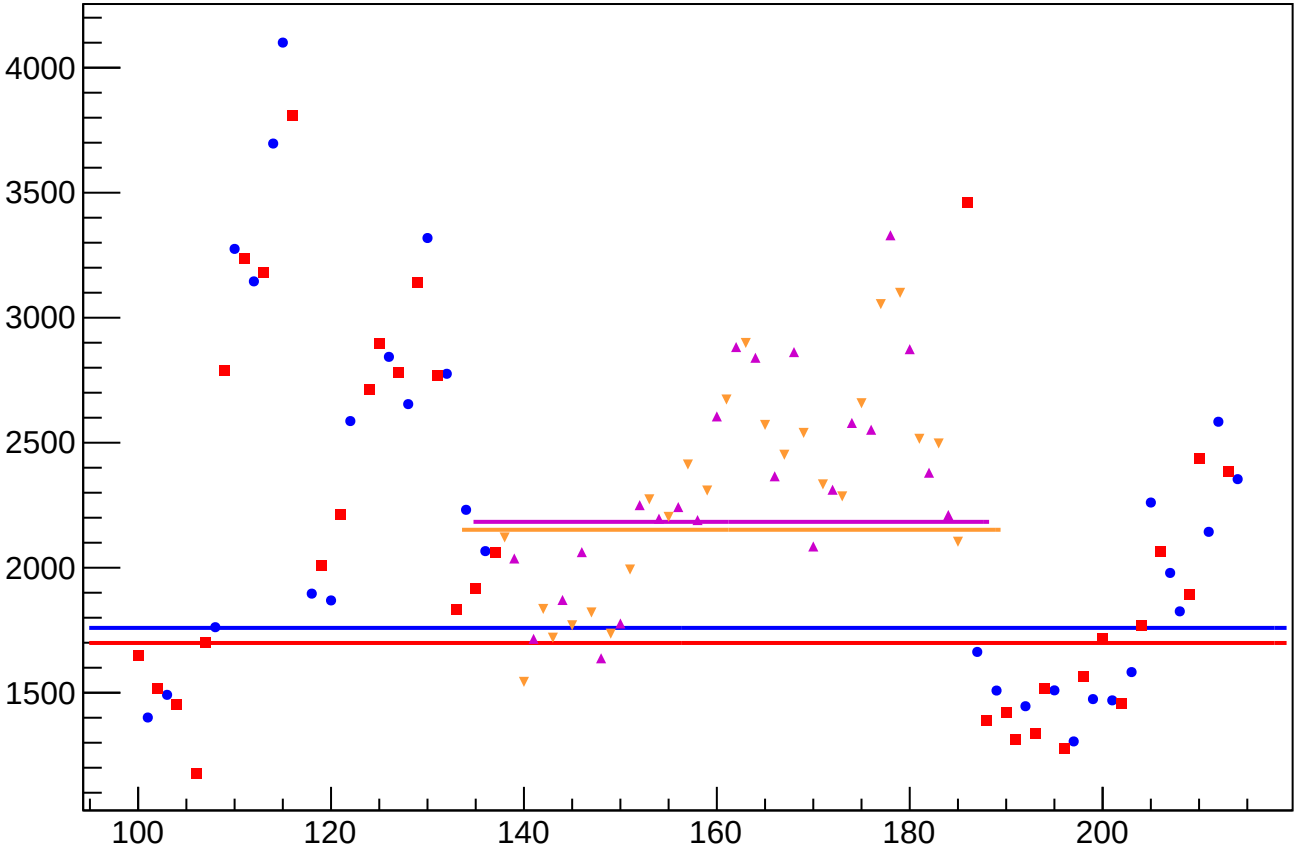
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.821+/-0.325 χ^2/NDF: 51.8/54

All: 0.810+/-0.228 χ^2/NDF: 138.7/111

- sign 0.799+/-0.320 χ^2/NDF: 86.9/56

diff_bpm4aediffY_rms vs Slug



Right In: 1759.300+/-0.302 χ^2/NDF: 2334911.2/29

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1698.999+/-0.288 χ^2/NDF: 2714047.8/33

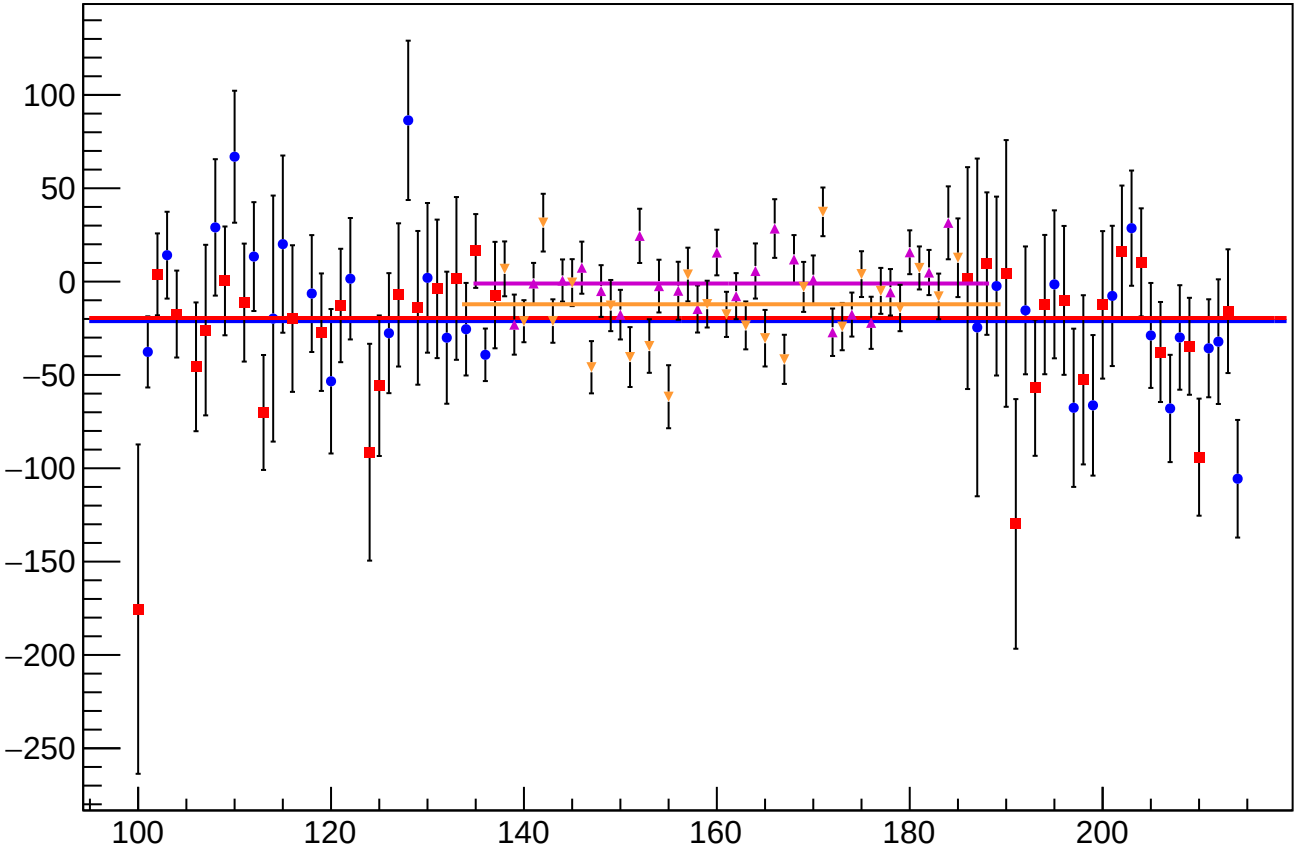
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1924.604+/-0.230 χ^2/NDF: 4397245.2/54

All: 1903.462+/-0.161 χ^2/NDF: 9368068.2/11

- sign 1882.878+/-0.226 χ^2/NDF: 4954076.2/56

diff_bpmtargetsumX_mean vs Slug



Right In: -21.171+/-5.553 χ^2/NDF: 39.4/29

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

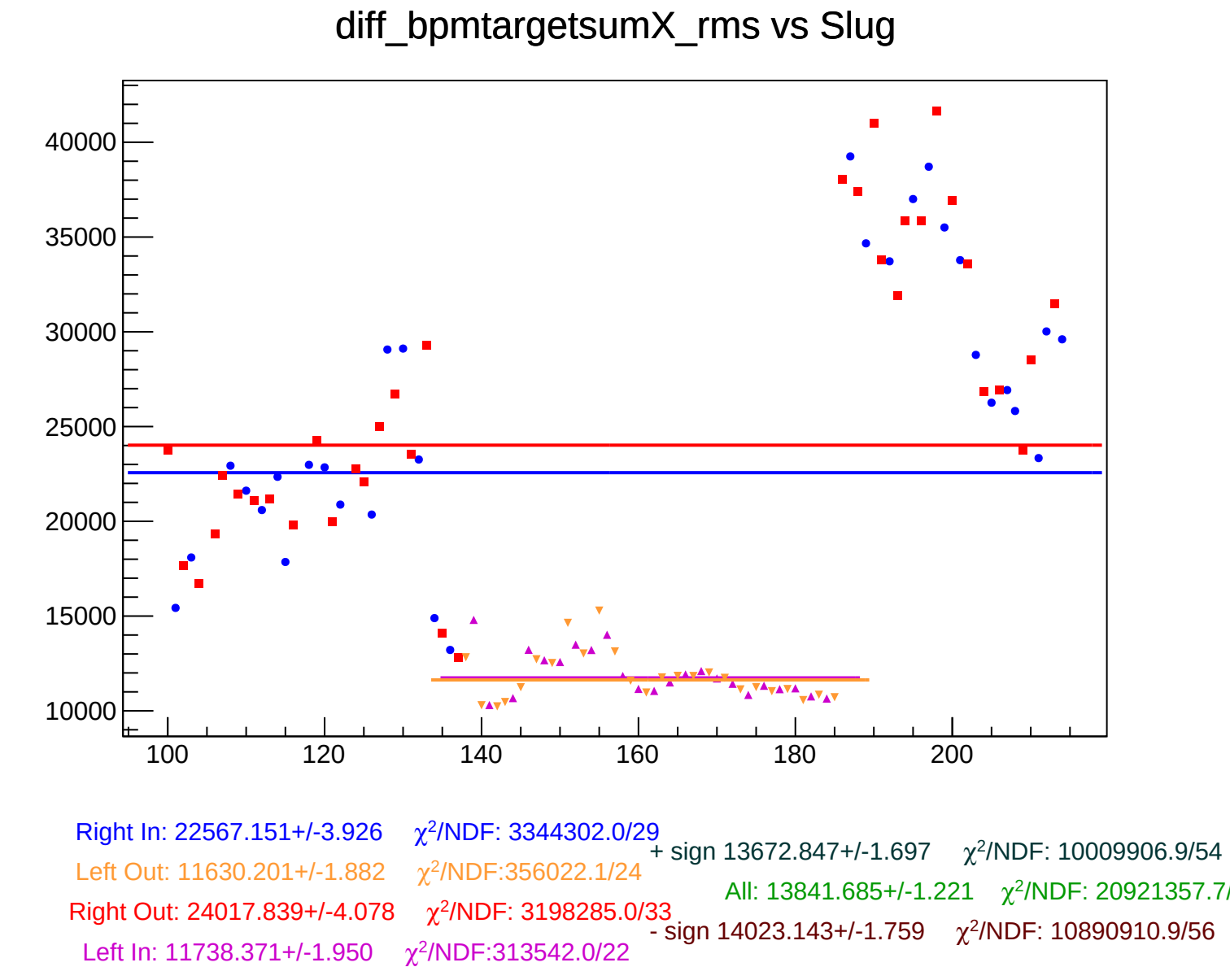
Right Out: -19.496+/-5.768 χ^2/NDF: 28.5/33

Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

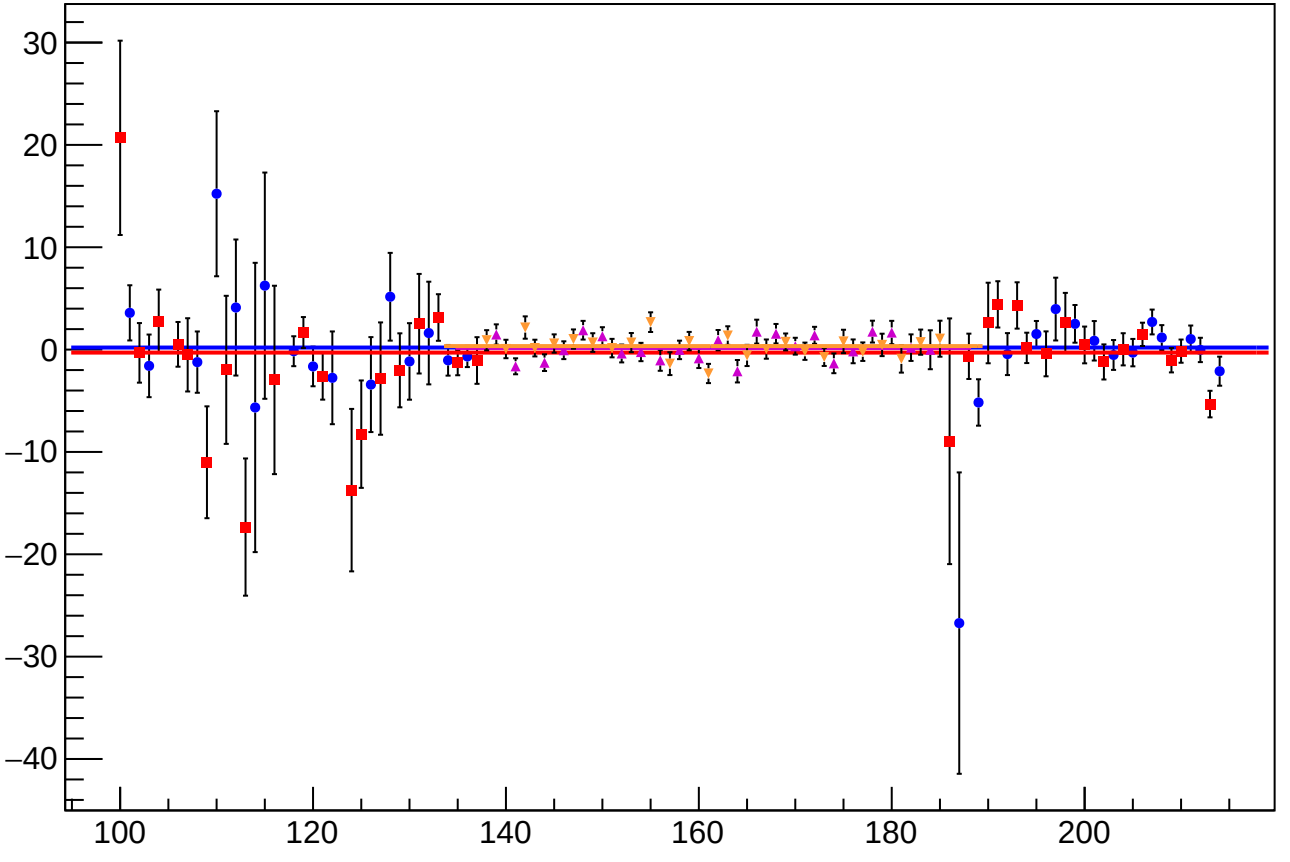
+ sign -13.822+/-2.400 χ^2/NDF: 104.2/54

All: -9.310+/-1.727 χ^2/NDF: 177.1/111

- sign -4.461+/-2.488 χ^2/NDF: 65.6/56


diff_bpmtargetsumX_rms vs Slug
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22567.151+/-3.926 χ²/NDF: 3344302.0/29
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 24017.839+/-4.078 χ²/NDF: 3198285.0/33
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
+ sign 13672.847+/-1.697 χ²/NDF: 10009906.9/54
All: 13841.685+/-1.221 χ²/NDF: 20921357.7/
- sign 14023.143+/-1.759 χ²/NDF: 10890910.9/56

diff_bpmtargetdiffX_mean vs Slug



Right In: 0.201+/-0.340 χ^2/NDF: 33.1/29

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.293+/-0.357 χ^2/NDF: 57.2/33

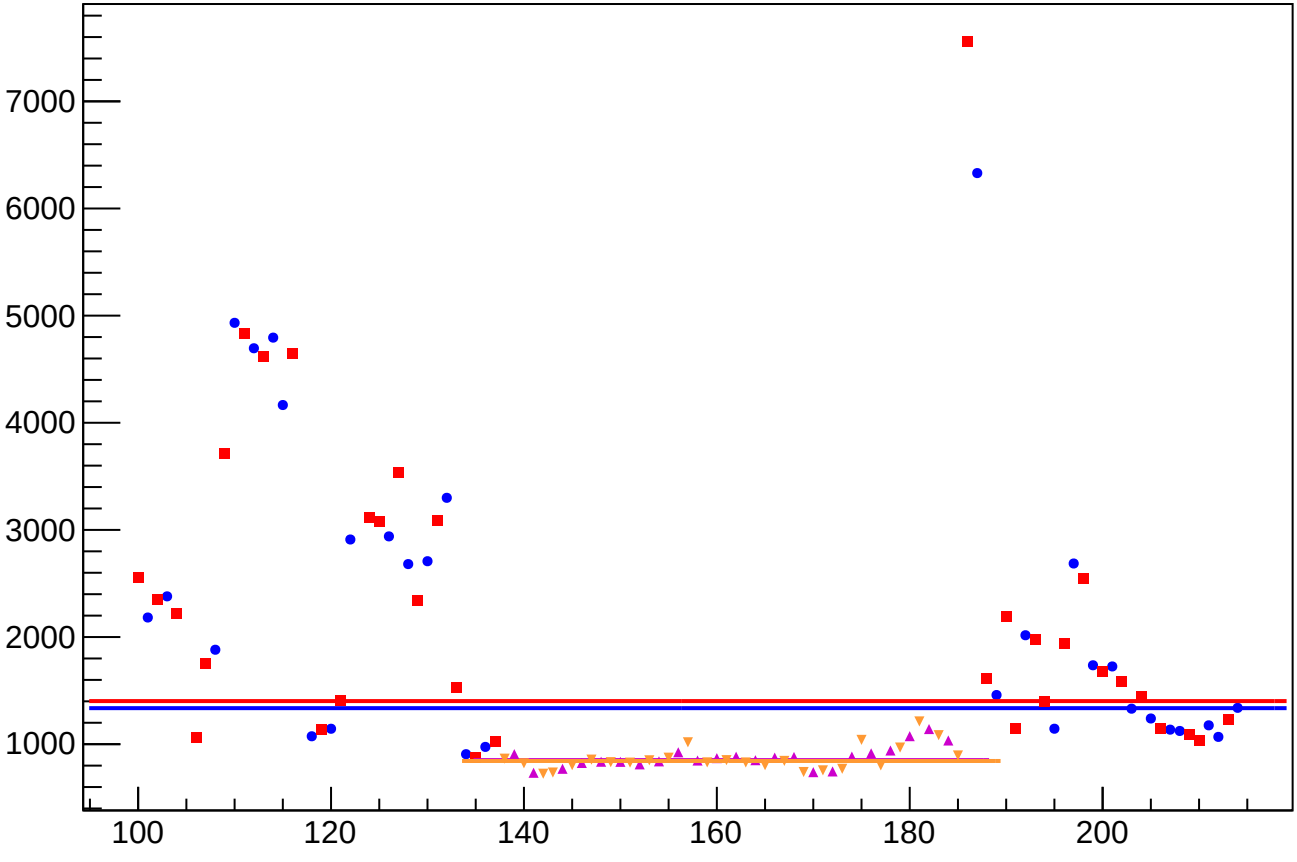
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.308+/-0.168 χ^2/NDF: 60.0/54

All: 0.186+/-0.121 χ^2/NDF: 155.9/111

- sign 0.055+/-0.175 χ^2/NDF: 94.8/56

diff_bpmtargetdiffX_rms vs Slug



Right In: 1336.317+/-0.240 χ^2/NDF: 4722456.4/29

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1402.310+/-0.252 χ^2/NDF: 5208449.1/33

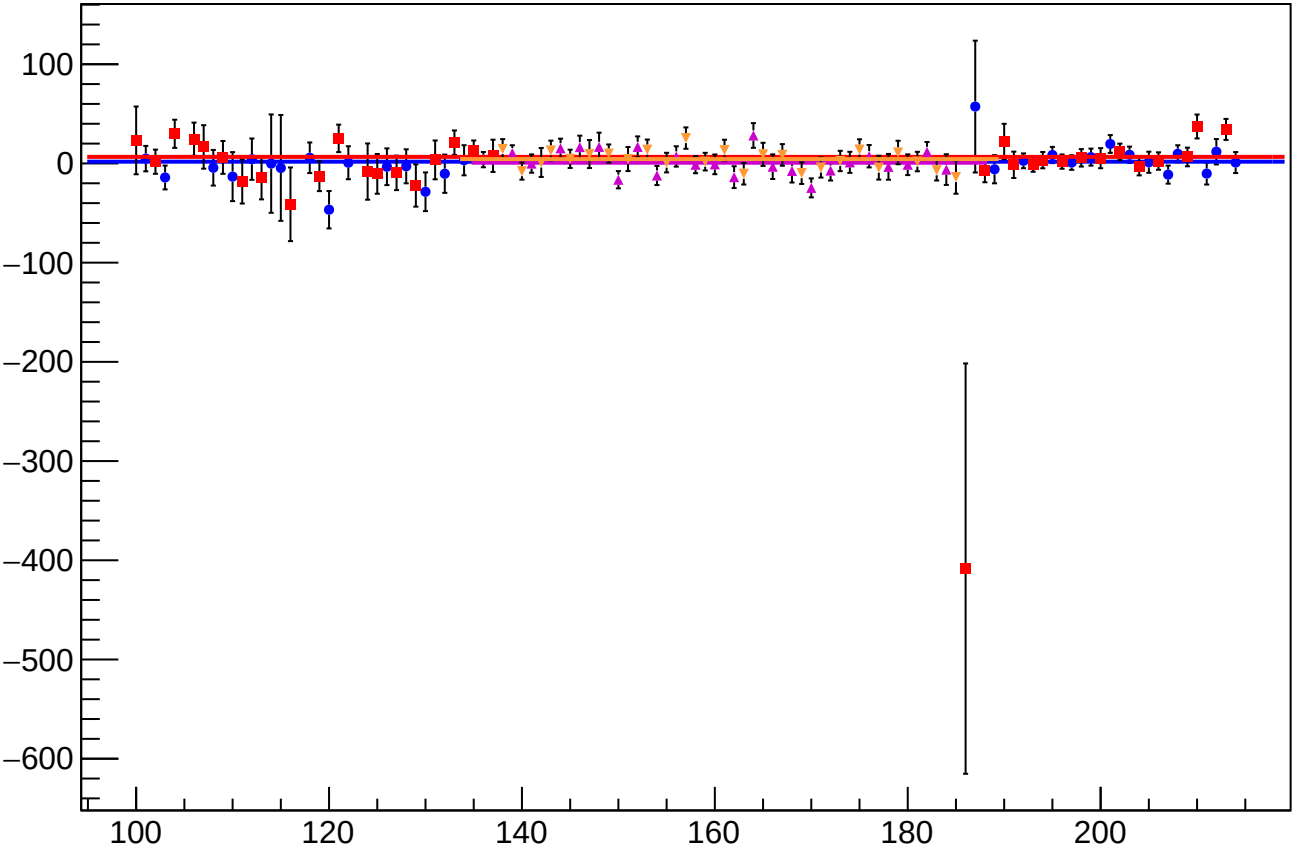
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 964.252+/-0.119 χ^2/NDF: 8405425.6/54

All: 973.735+/-0.086 χ^2/NDF: 17623143.0/11

- sign 983.995+/-0.124 χ^2/NDF: 9204499.3/56

diff_bpmtargetsumY_mean vs Slug



Right In: 1.773+/-2.136 χ^2/NDF: 23.4/29

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 6.622+/-2.103 χ^2/NDF: 40.4/33

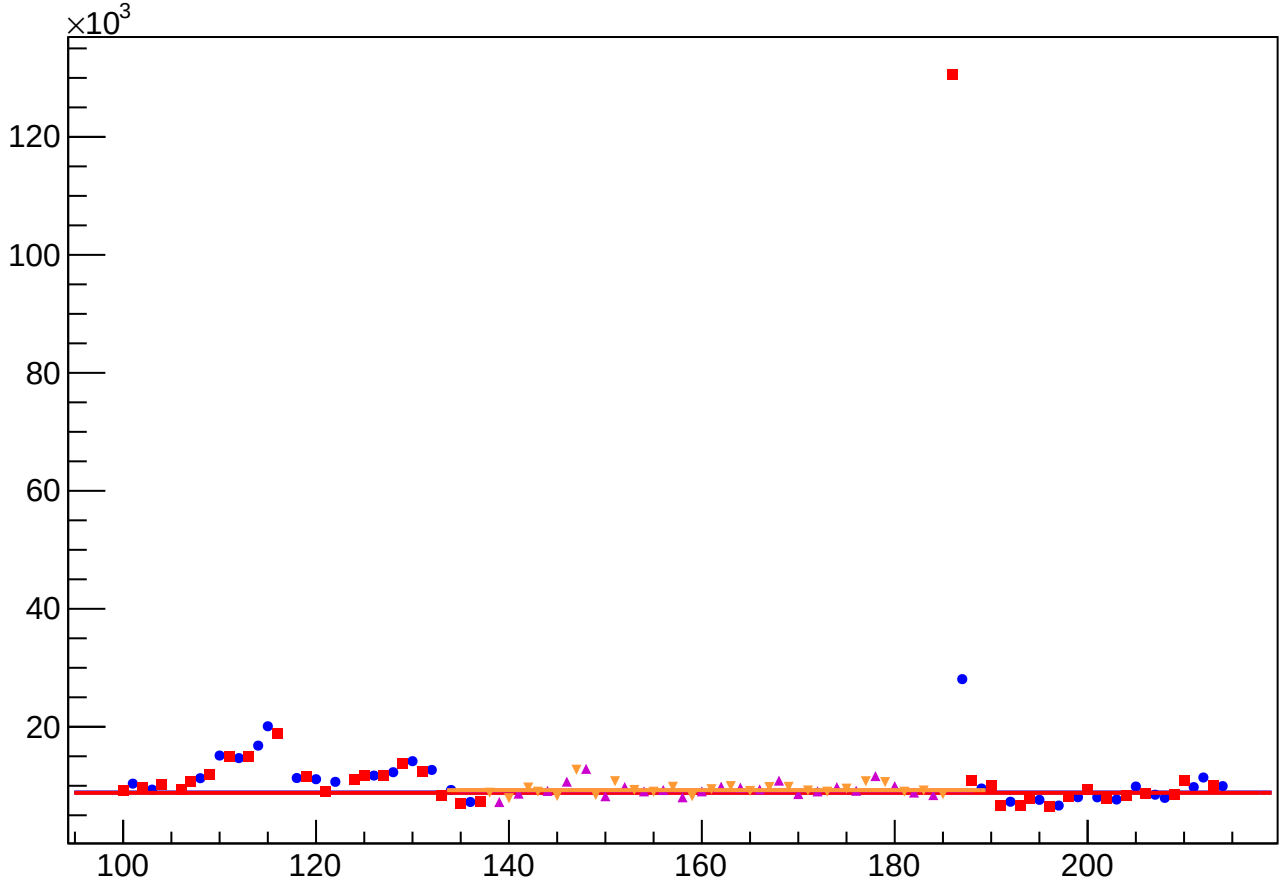
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

\+ sign 3.087+/-1.505 χ^2/NDF: 42.7/54

All: 3.428+/-1.066 χ^2/NDF: 119.0/111

\- sign 3.771+/-1.510 χ^2/NDF: 76.2/56

diff_bpmtargetsumY_rms vs Slug



Right In: 8860.464+/-1.511 χ^2/NDF: 1760268.1/29

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

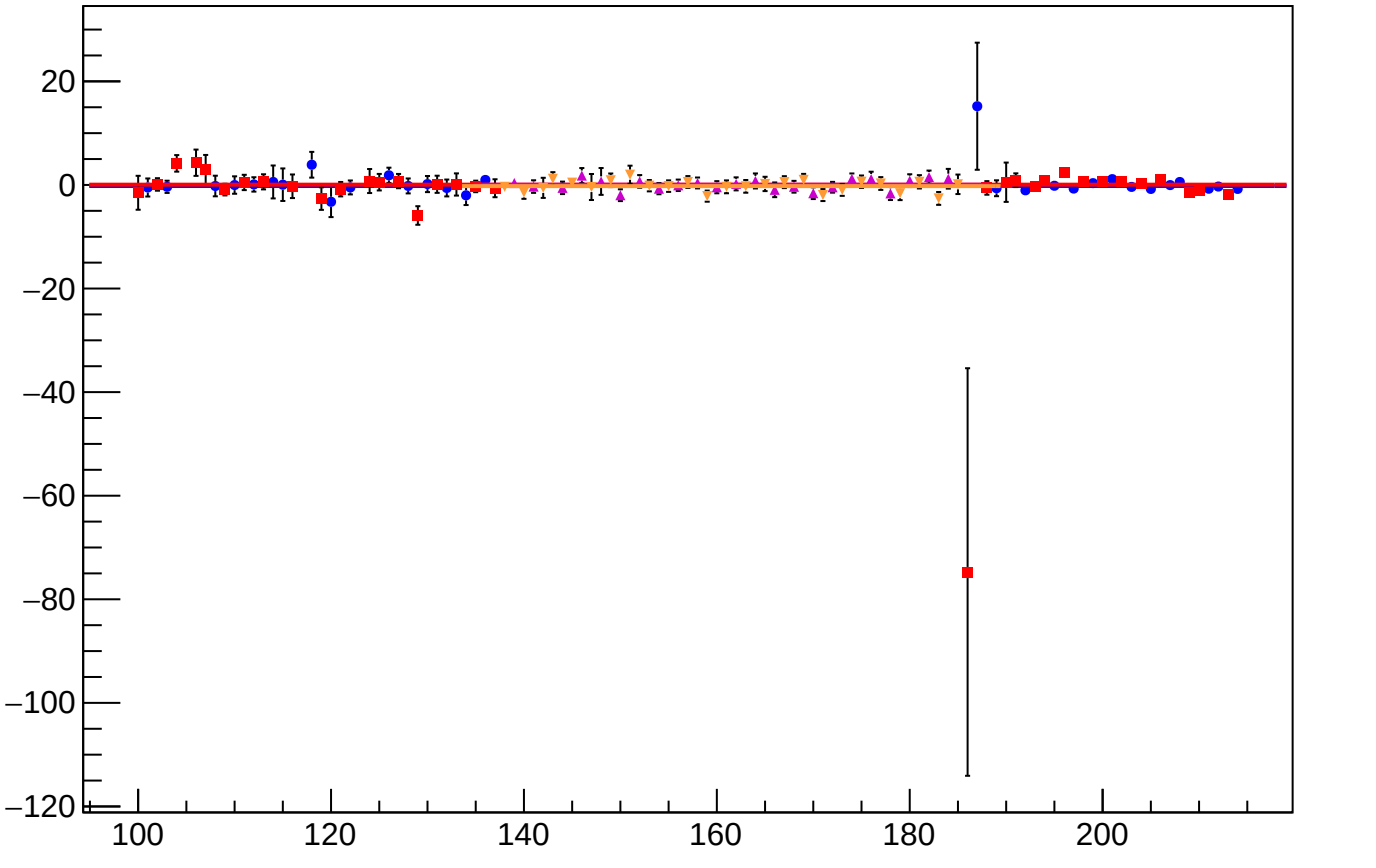
Right Out: 8805.698+/-1.487 χ^2/NDF: 2390106.6/33

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9062.390+/-1.064 χ^2/NDF: 2161830.0/54

All: 9029.517+/-0.754 χ^2/NDF: 5103305.8/11

- sign 8996.421+/-1.068 χ^2/NDF: 2939561.9/56



Right In: -0.193+/-0.179 χ^2/NDF: 18.7/29

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.053+/-0.184 χ^2/NDF: 60.0/33

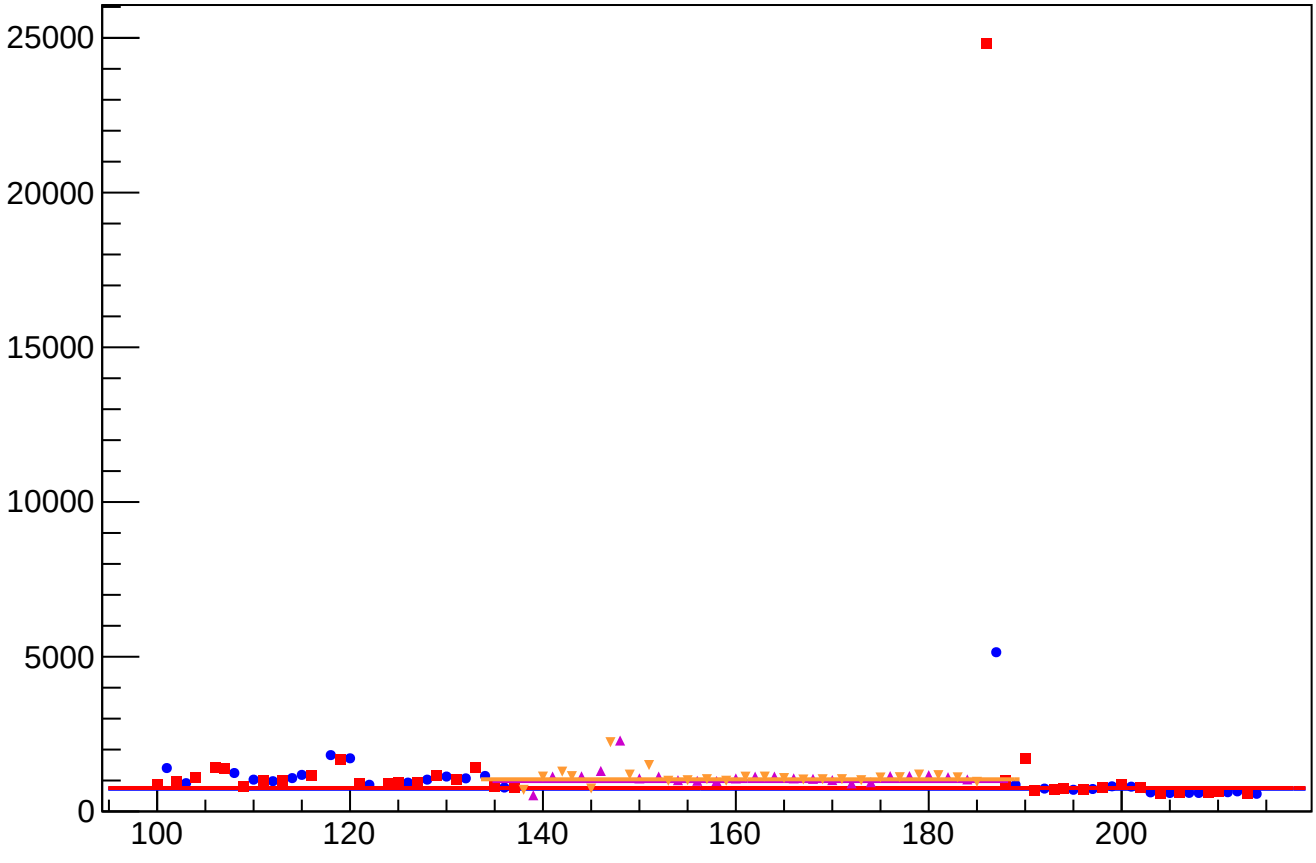
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.206+/-0.144 χ^2/NDF: 37.7/54

All: -0.083+/-0.103 χ^2/NDF: 114.4/111

- sign 0.042+/-0.146 χ^2/NDF: 75.3/56

diff_bpmtargetdiffY_rms vs Slug



Right In: 732.467+/-0.127 χ^2/NDF: 2577733.7/29

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 758.423+/-0.130 χ^2/NDF: 2890194.6/33

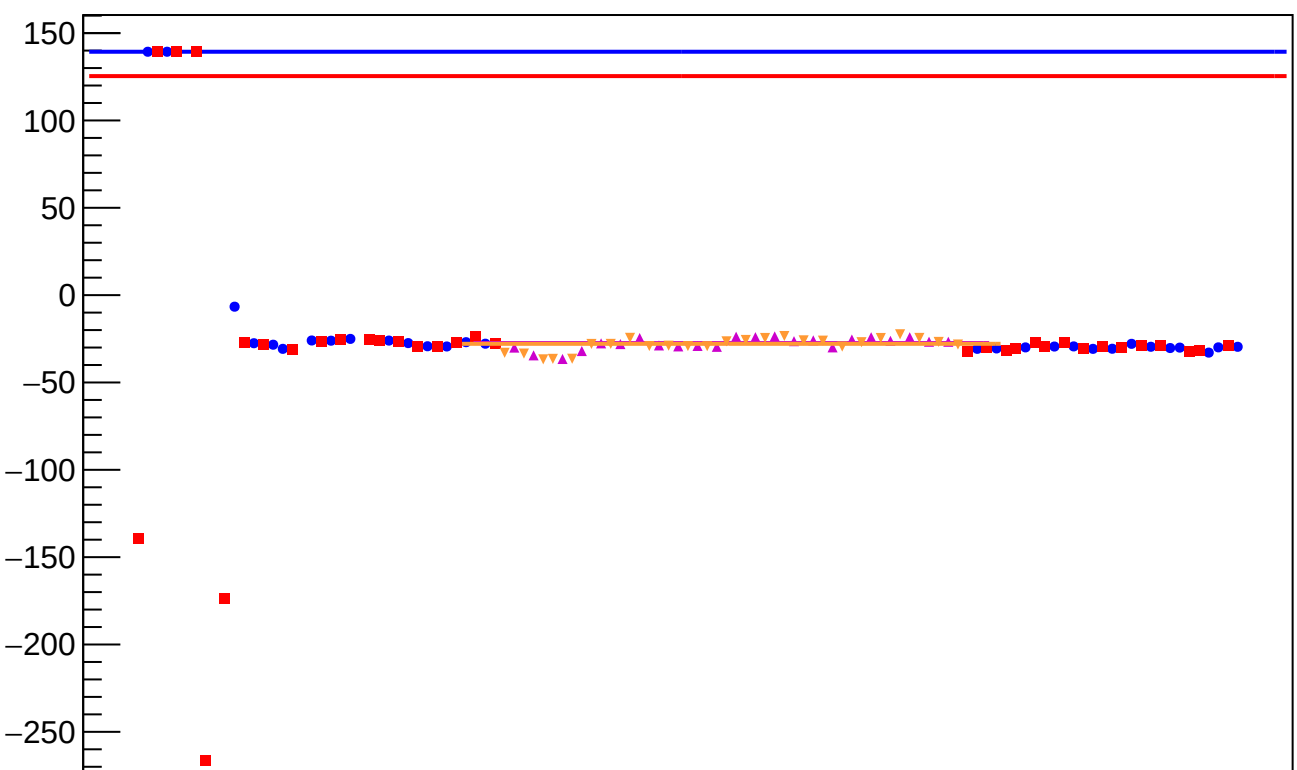
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 840.420+/-0.102 χ^2/NDF: 5979481.3/54

All: 841.045+/-0.073 χ^2/NDF: 12188230.1/11

- sign 841.684+/-0.103 χ^2/NDF: 6208673.0/56

yield_cav4bX_mean vs Slug



Right In: 139.336+/-0.000 χ^2/NDF: 66147785977.2/29

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774189317368383.0/33

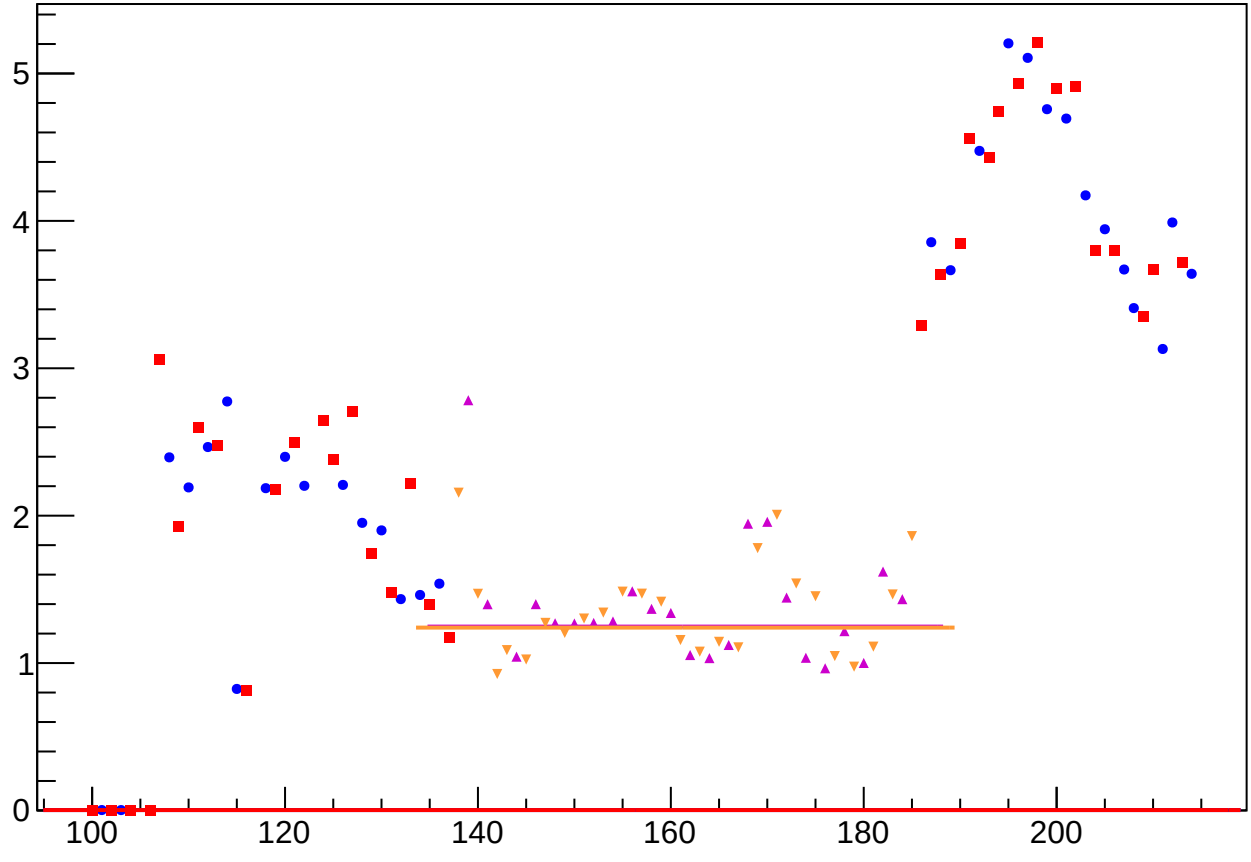
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 340689567294.1/5

All: 131.810+/-0.000 χ^2/NDF: 79352238279

- sign 125.385+/-0.000 χ^2/NDF: 774402969639858

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 31020021.6/29

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

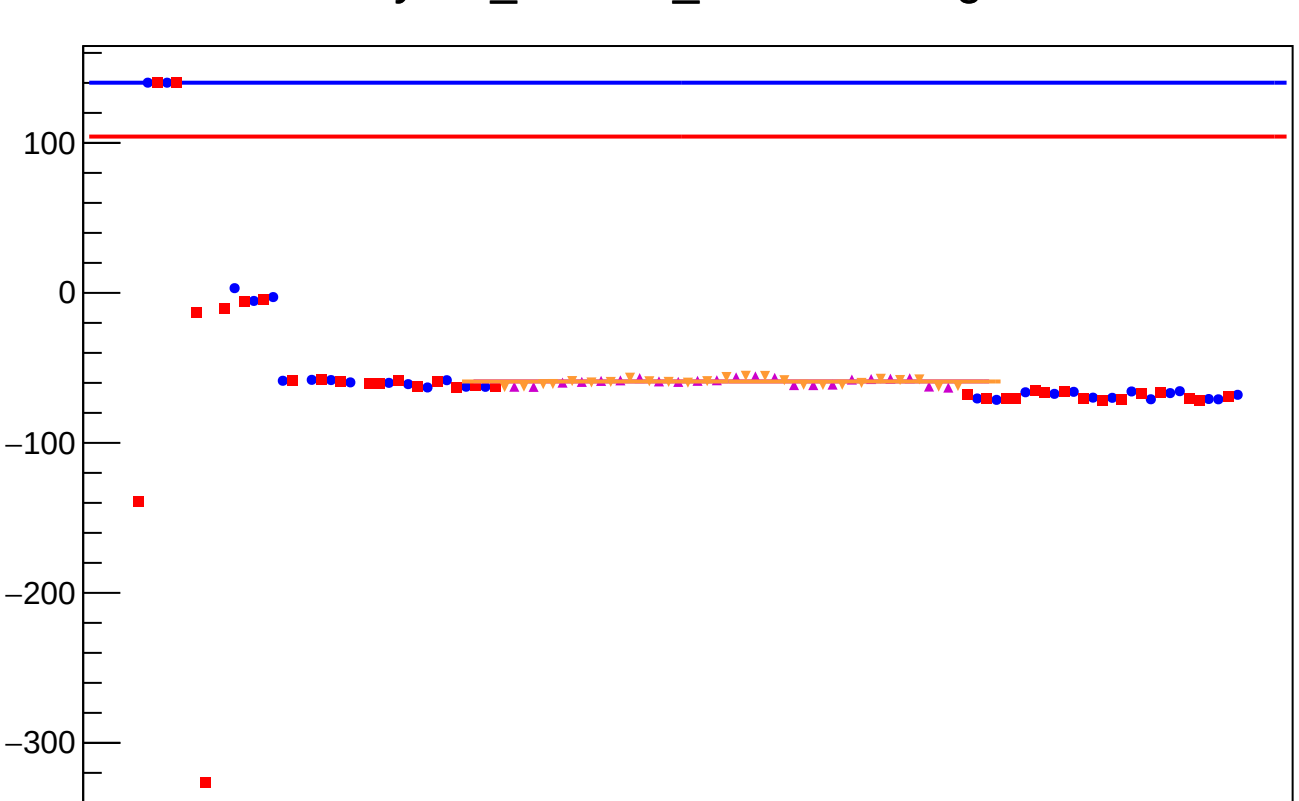
Right Out: 0.003+/-0.000 χ^2/NDF: 32043672.5/33

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 62317961.8/54

All: 0.003+/-0.000 χ^2/NDF: 124128835.2/111

- sign 0.003+/-0.000 χ^2/NDF: 61810462.2/56



Right In: 140.135+/-0.000 χ^2/NDF: 515034969127.6/29

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.217+/-0.000 χ^2/NDF: 1257651948959400.8/33

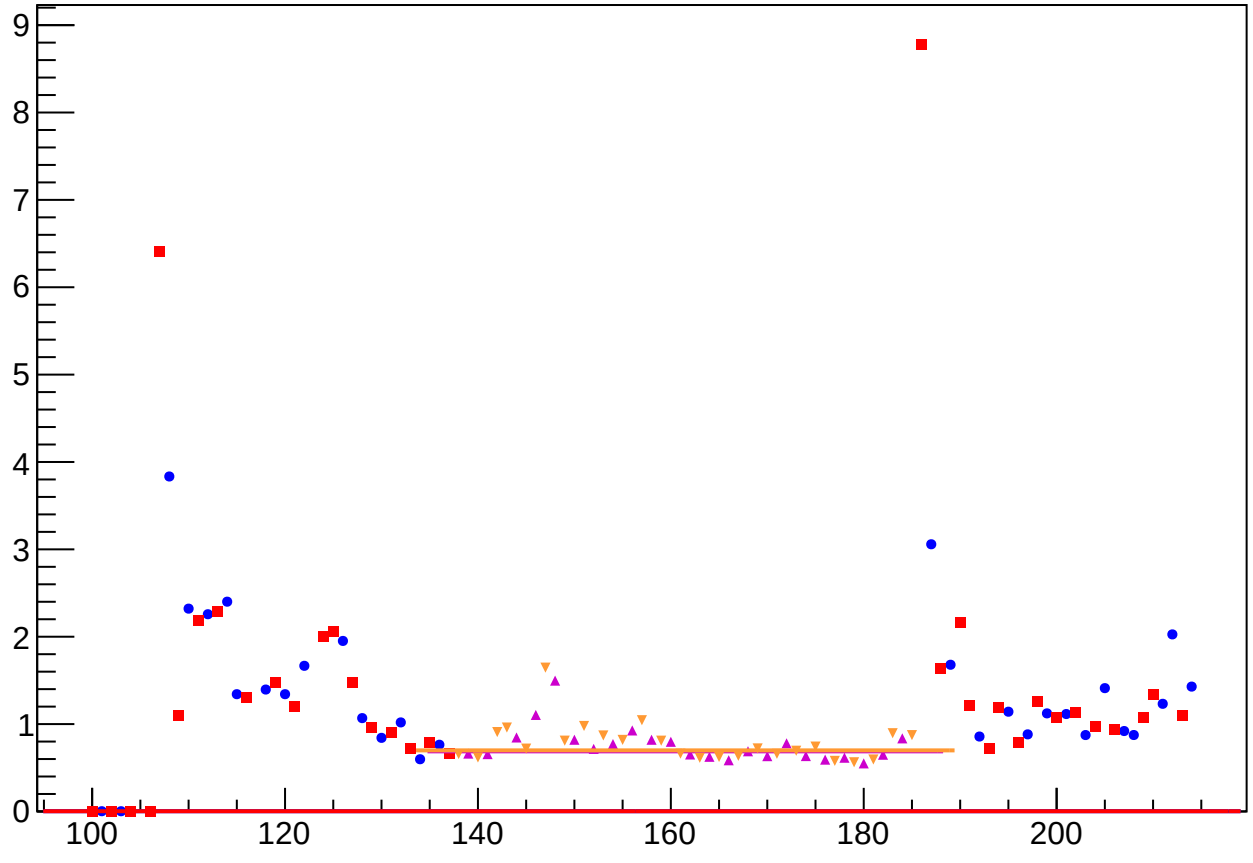
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.098+/-0.000 χ^2/NDF: 1812110682598.3

All: 120.793+/-0.000 χ^2/NDF: 13835637757

- sign 104.192+/-0.000 χ^2/NDF: 125850894025986

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 28465877.6/29

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

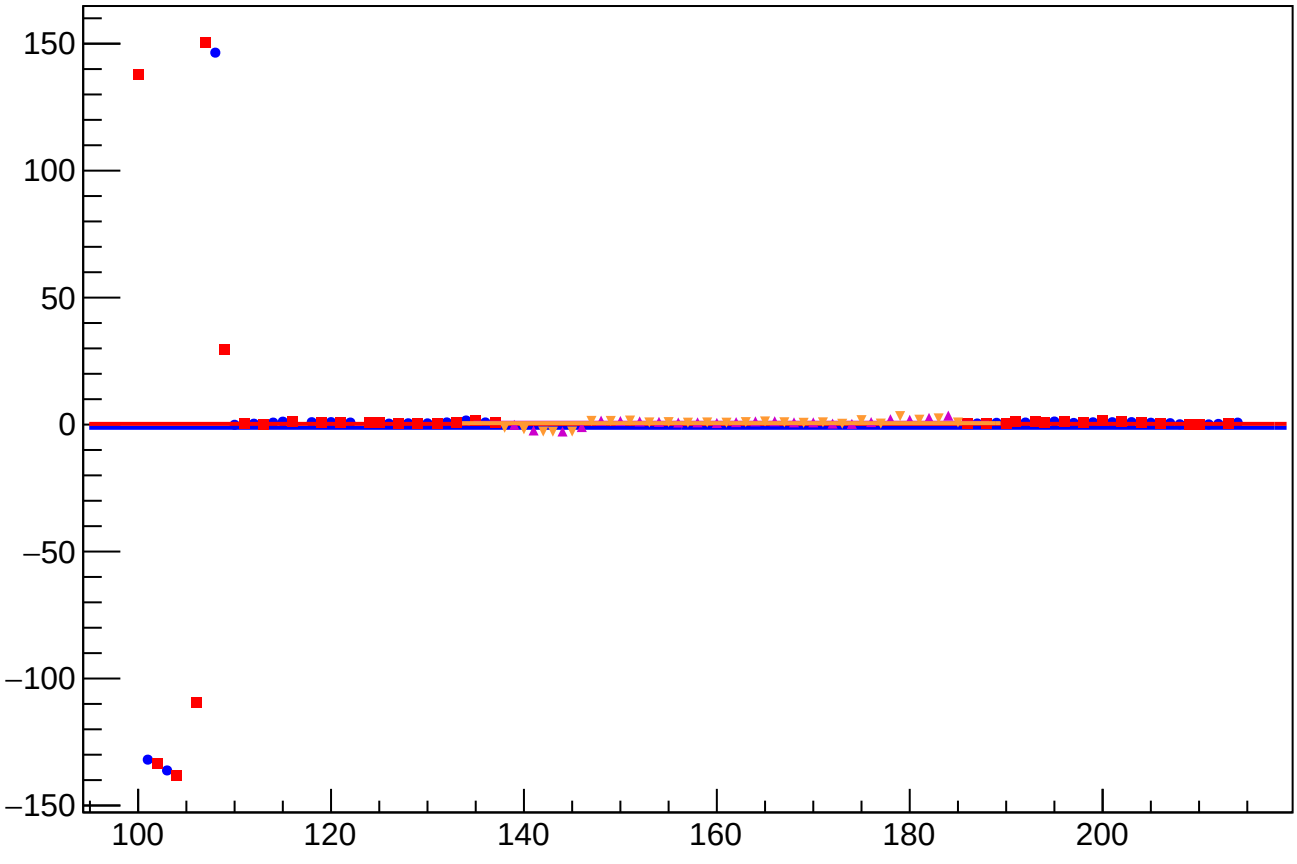
Right Out: 0.003+/-0.000 χ^2/NDF: 29722906.8/33

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 61516167.3/54

All: 0.003+/-0.000 χ^2/NDF: 122546565.9/111

- sign 0.003+/-0.000 χ^2/NDF: 61029772.7/56



Right In: -1.262+/-0.000 χ^2/NDF: 9909248960.8/29

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.284+/-0.000 χ^2/NDF: 3612966542.5/33

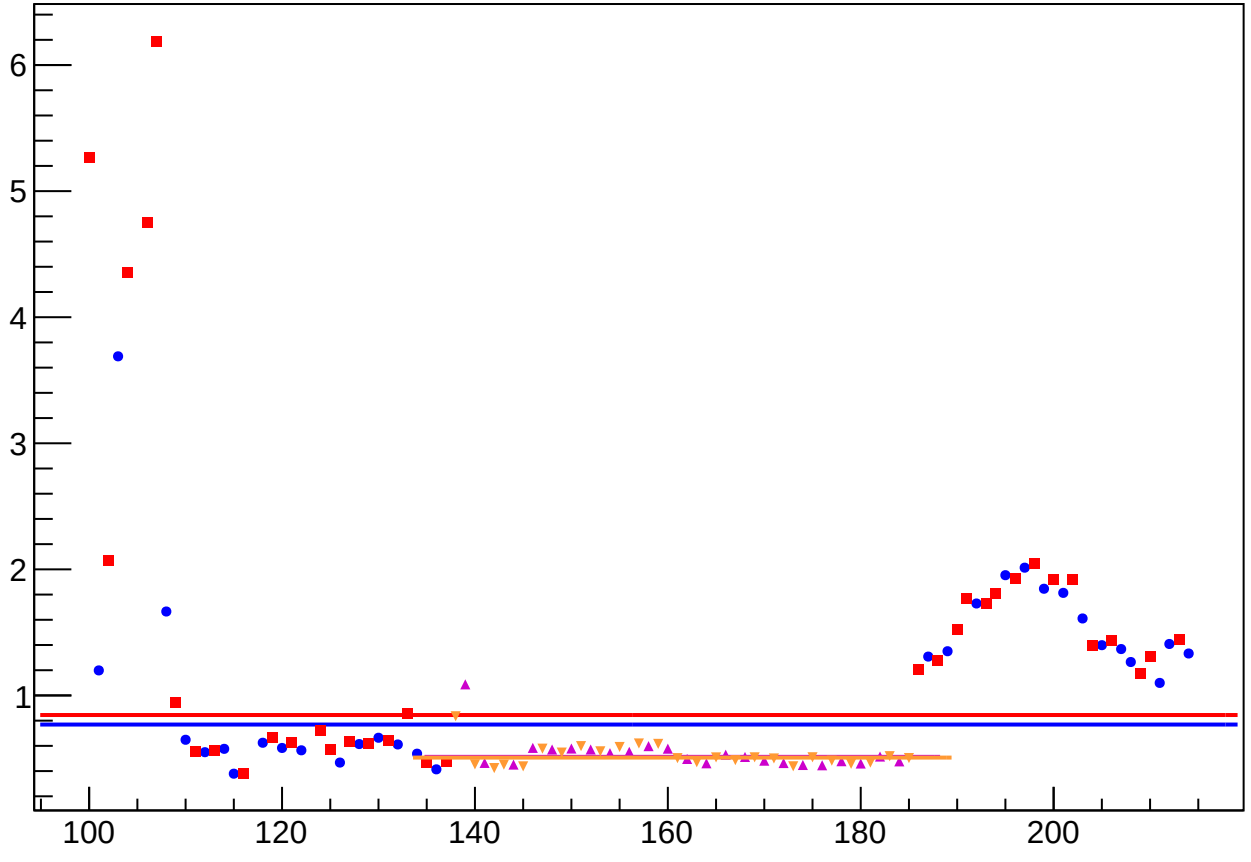
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.104+/-0.000 χ^2/NDF: 10116272281.3/54

All: 0.350+/-0.000 χ^2/NDF: 13847605800.5/1

- sign 0.622+/-0.000 χ^2/NDF: 3720864242.2/56

yield_cav4cX_rms vs Slug



Right In: 0.769+/-0.000 χ^2/NDF: 8369467.2/29

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.845+/-0.000 χ^2/NDF: 8799776.1/33

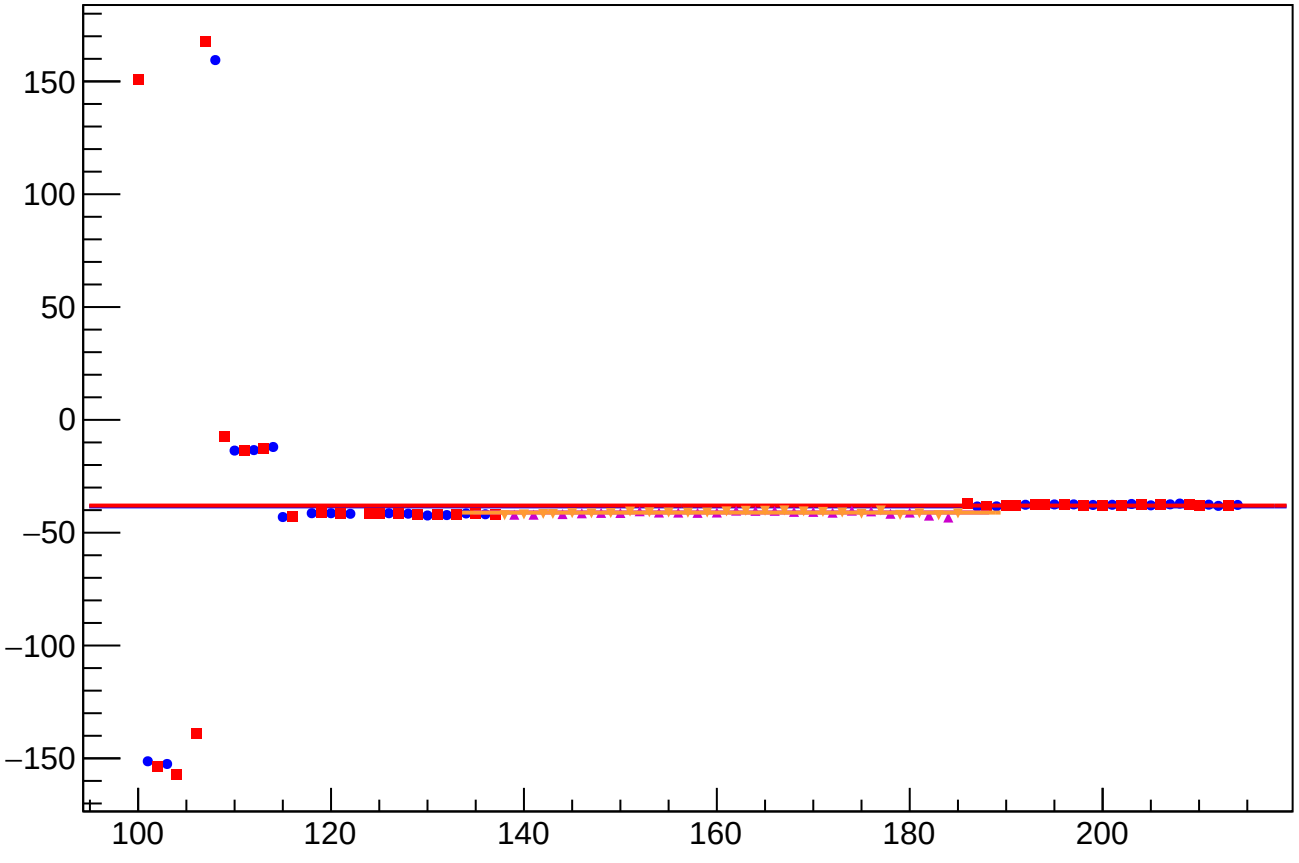
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.574+/-0.000 χ^2/NDF: 11068297.6/54

All: 0.584+/-0.000 χ^2/NDF: 23681205.9/111

- sign 0.594+/-0.000 χ^2/NDF: 12581790.5/56

yield_cav4cY_mean vs Slug



Right In: -38.348+/-0.000 χ^2/NDF: 3621010586.6/29

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.976+/-0.000 χ^2/NDF: 2514486579.5/33

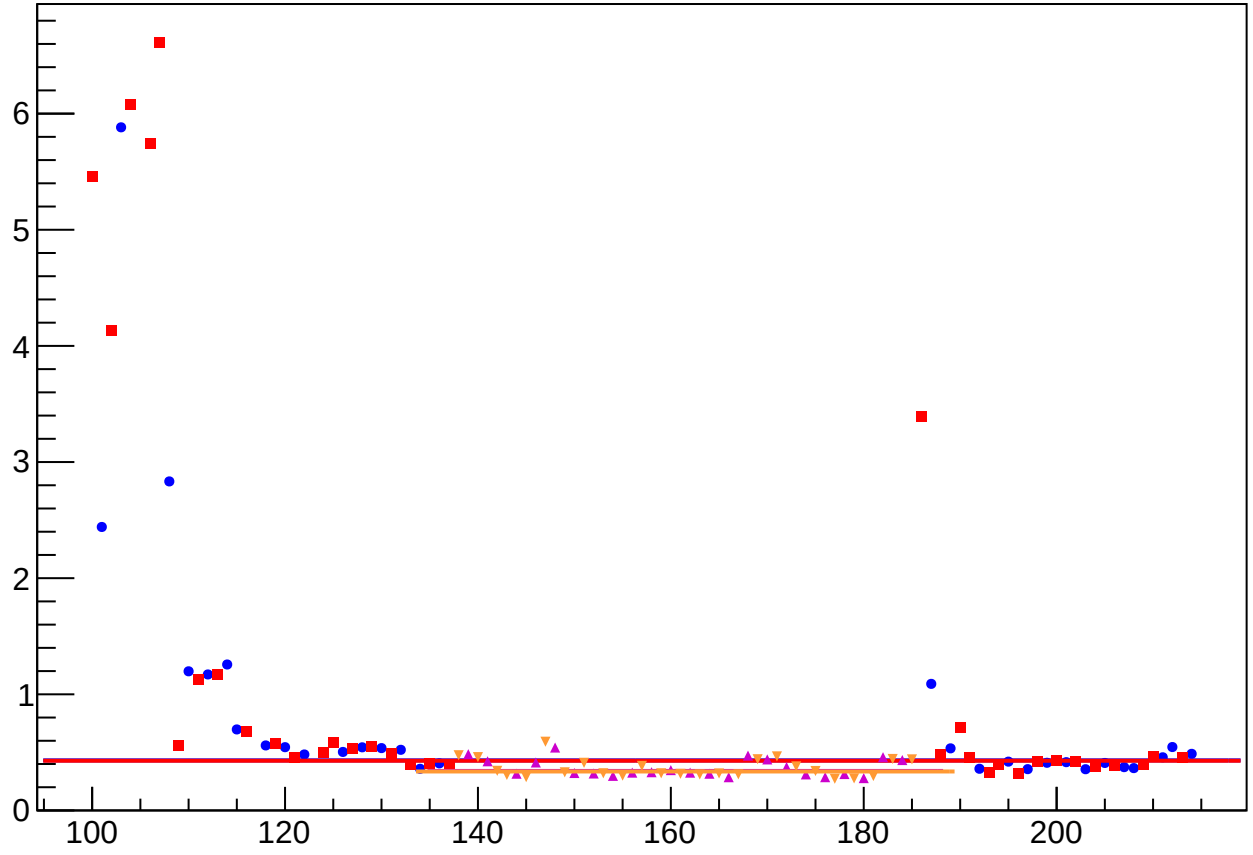
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.165+/-0.000 χ^2/NDF: 4081862406.8/54

All: -40.047+/-0.000 χ^2/NDF: 7144665071.0/

- sign -39.923+/-0.000 χ^2/NDF: 3055988038.3/56

yield_cav4cY_rms vs Slug



Right In: 0.431+/-0.000 χ^2/NDF: 3839026.1/29

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.428+/-0.000 χ^2/NDF: 4705574.9/33

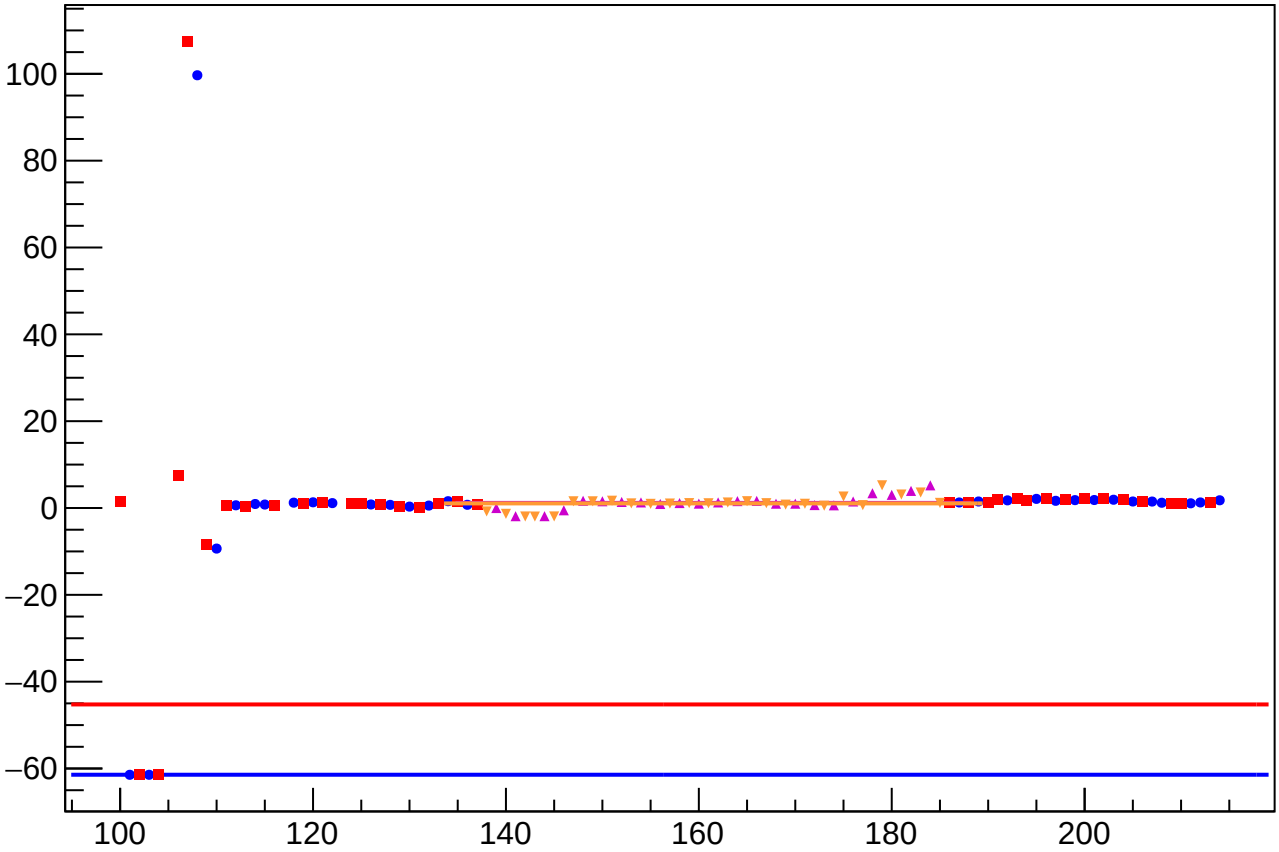
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.368+/-0.000 χ^2/NDF: 6051051.5/54

All: 0.370+/-0.000 χ^2/NDF: 12637044.6/111

- sign 0.372+/-0.000 χ^2/NDF: 6582102.8/56

yield_cav4dX_mean vs Slug



Right In: -61.435+/-0.000 χ^2/NDF: 299478973013.5/29

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357884536962924.6/33

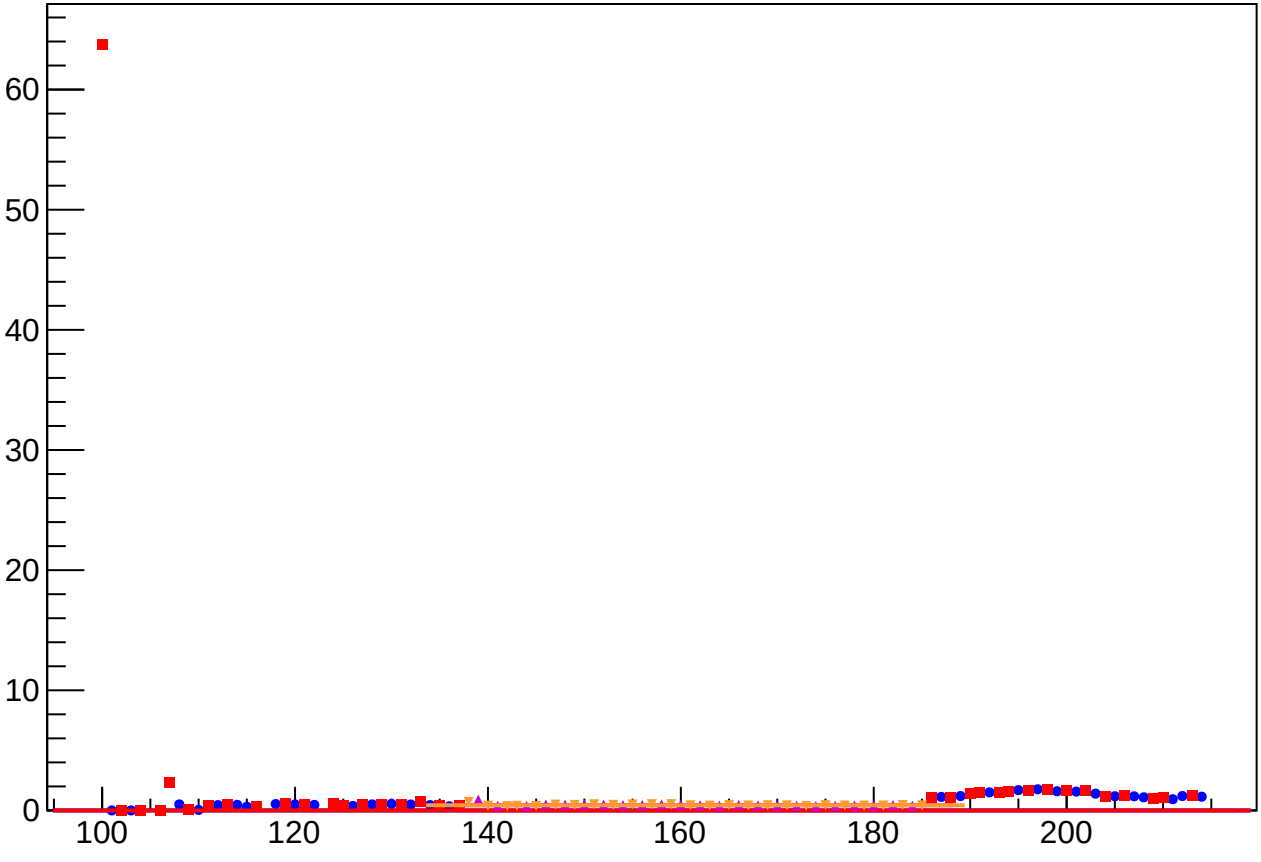
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 629475609718.9/5

All: -52.737+/-0.000 χ^2/NDF: 409629759539

- sign -45.236+/-0.000 χ^2/NDF: 358051098695563.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 30603656.3/29

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 31679369.5/33

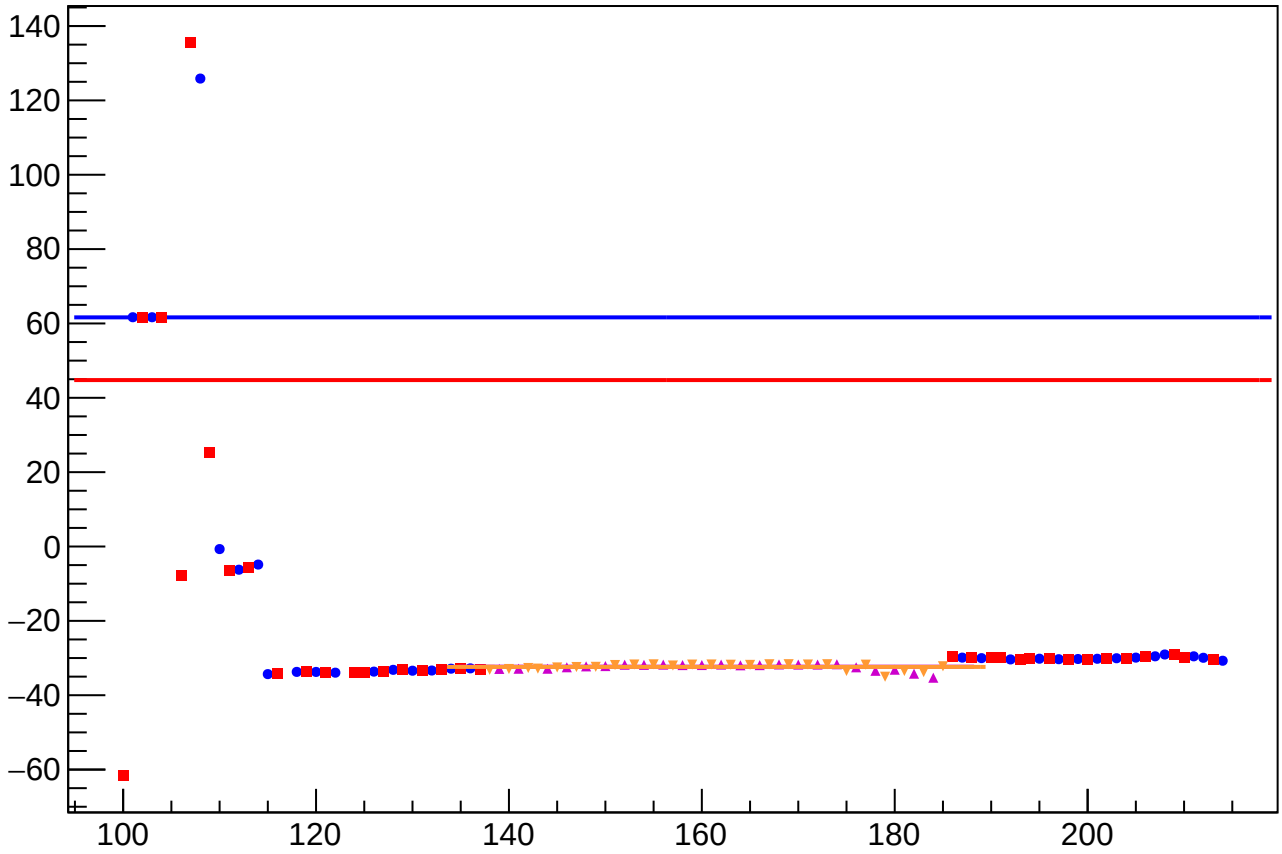
Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 62366112.8/54

All: 0.002+/-0.000 χ^2/NDF: 124186375.1/111

- sign 0.002+/-0.000 χ^2/NDF: 61820018.7/56

yield_cav4dY_mean vs Slug



Right In: 61.637+/-0.000 χ^2/NDF: 1127257985280.4/29

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.768+/-0.000 χ^2/NDF: 366595661310969.9/33

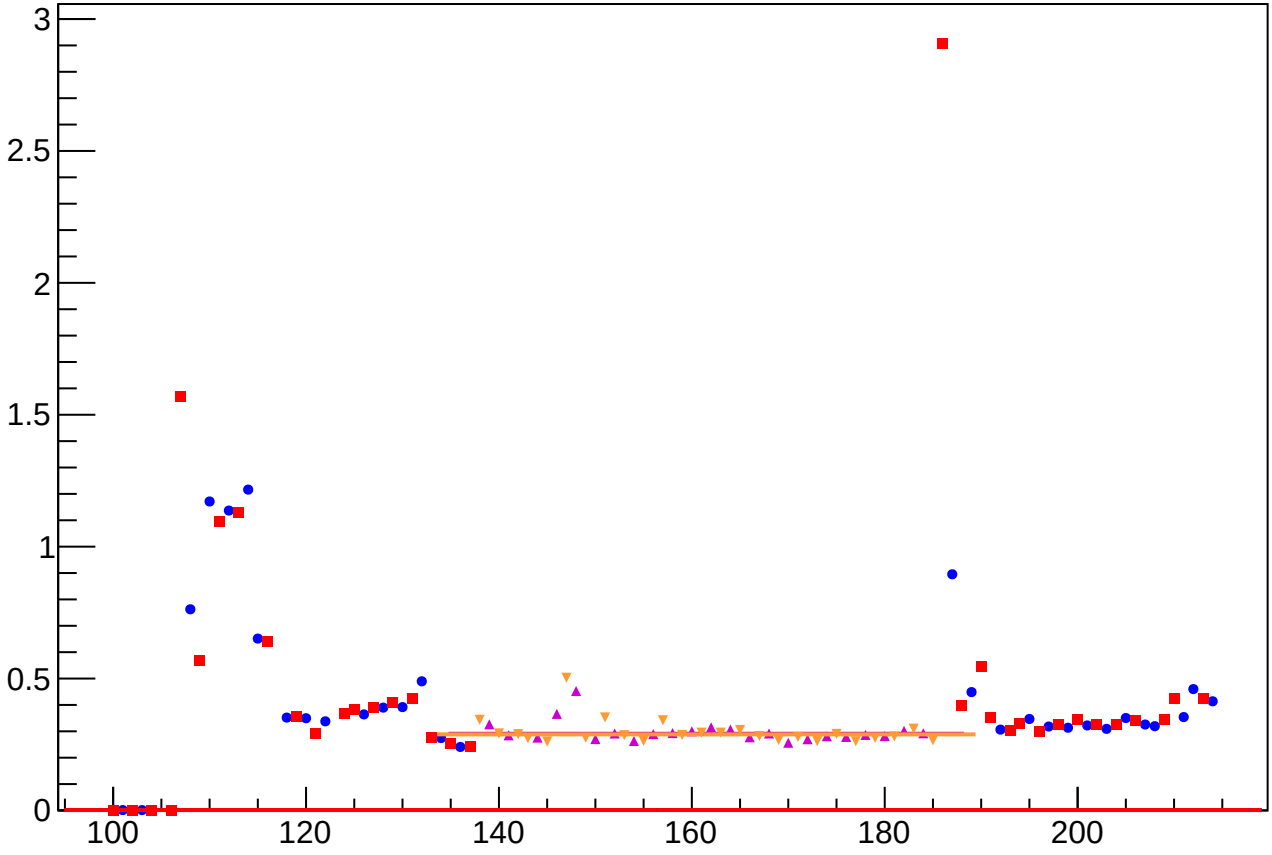
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.576+/-0.000 χ^2/NDF: 3084371627123.6/5

All: 52.617+/-0.000 χ^2/NDF: 421890284341

- sign 44.727+/-0.000 χ^2/NDF: 367822921435423.9

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 32100124.2/29

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 32568058.3/33

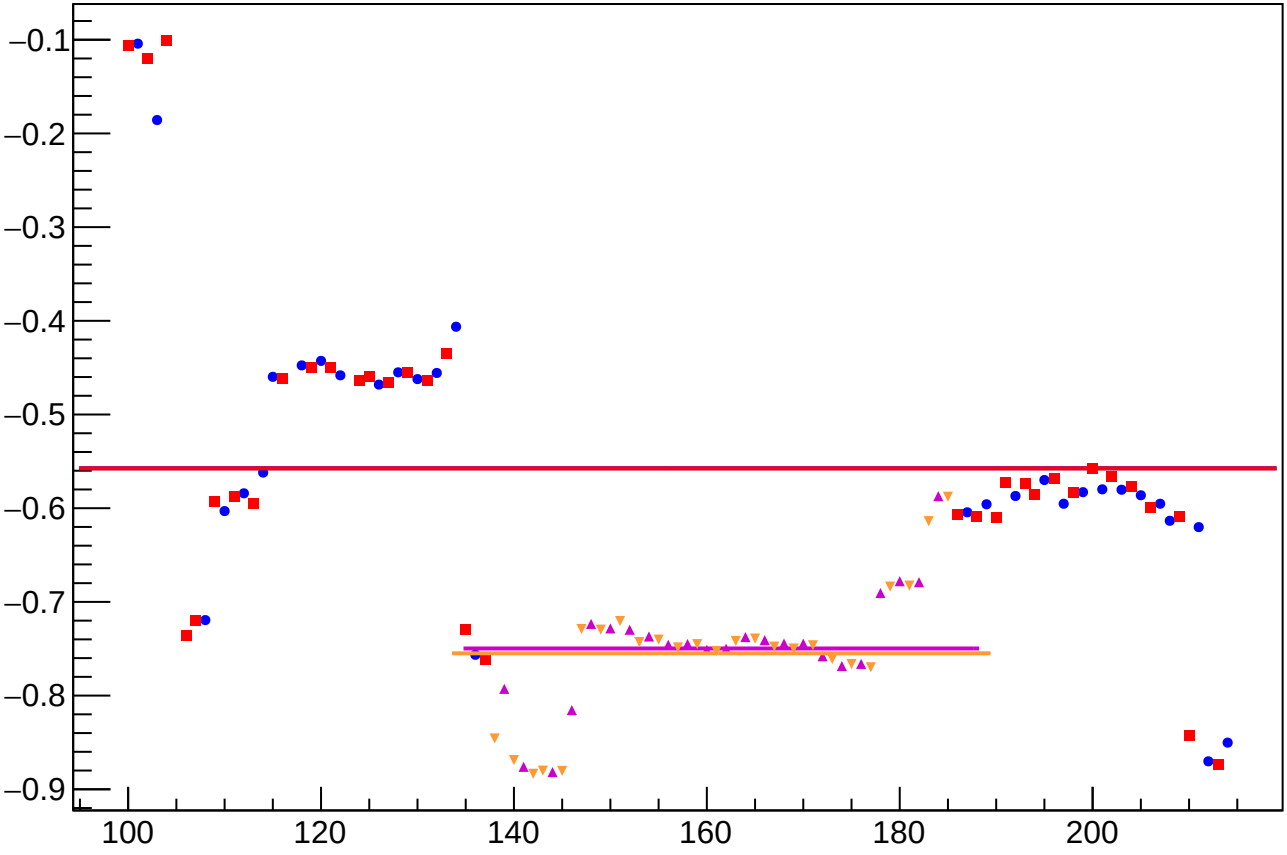
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 69040523.4/54

All: 0.002+/-0.000 χ^2/NDF: 136498025.2/111

- sign 0.002+/-0.000 χ^2/NDF: 67457300.2/56

yield_bpm4aX_mean vs Slug



Right In: -0.557+/-0.000 χ^2/NDF: 360499870.6/29

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.557+/-0.000 χ^2/NDF: 273961629.9/33

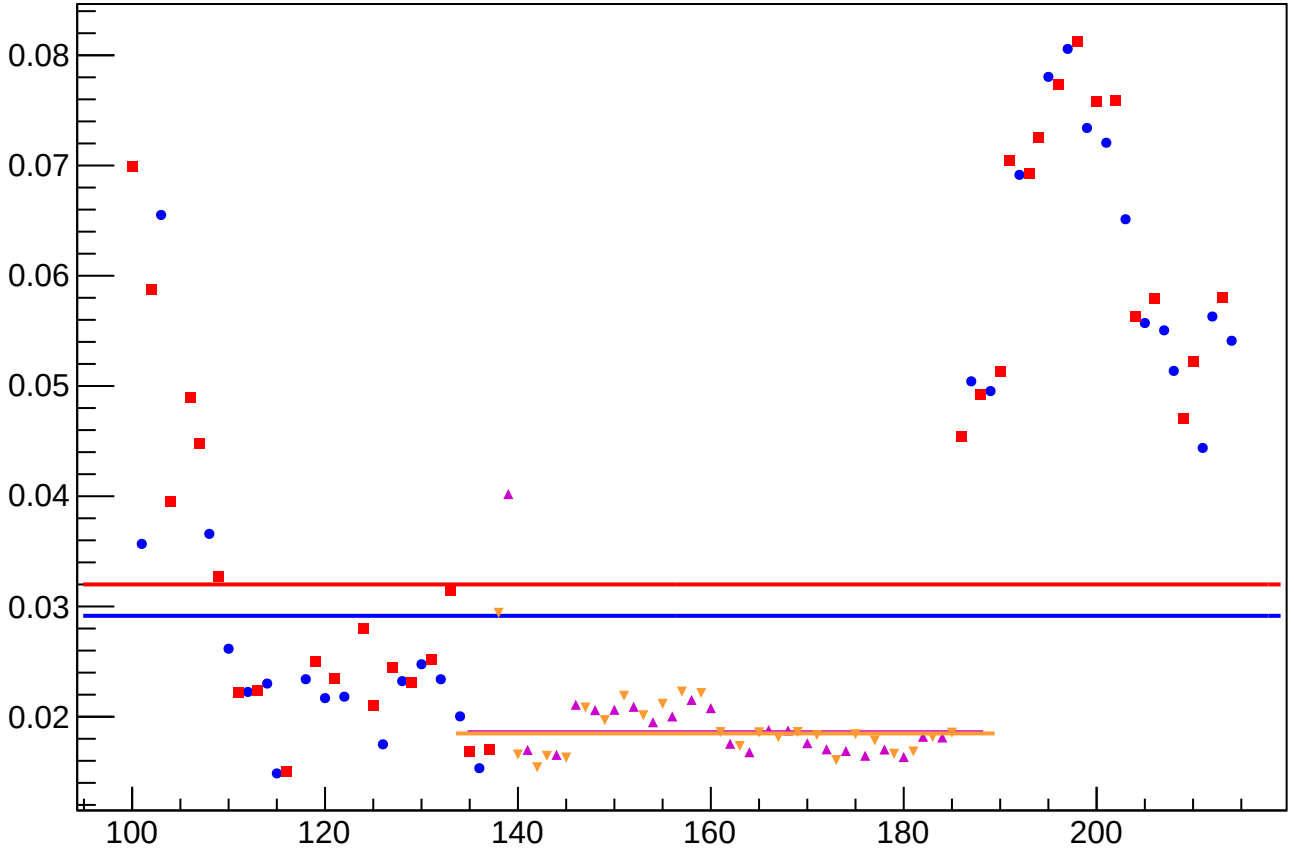
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.707+/-0.000 χ^2/NDF: 1006533208.1/54

All: -0.706+/-0.000 χ^2/NDF: 1791306832.8/1

- sign -0.704+/-0.000 χ^2/NDF: 784600319.8/56

yield_bpm4aX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 8426208.3/29

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.032+/-0.000 χ^2/NDF: 7997063.6/33

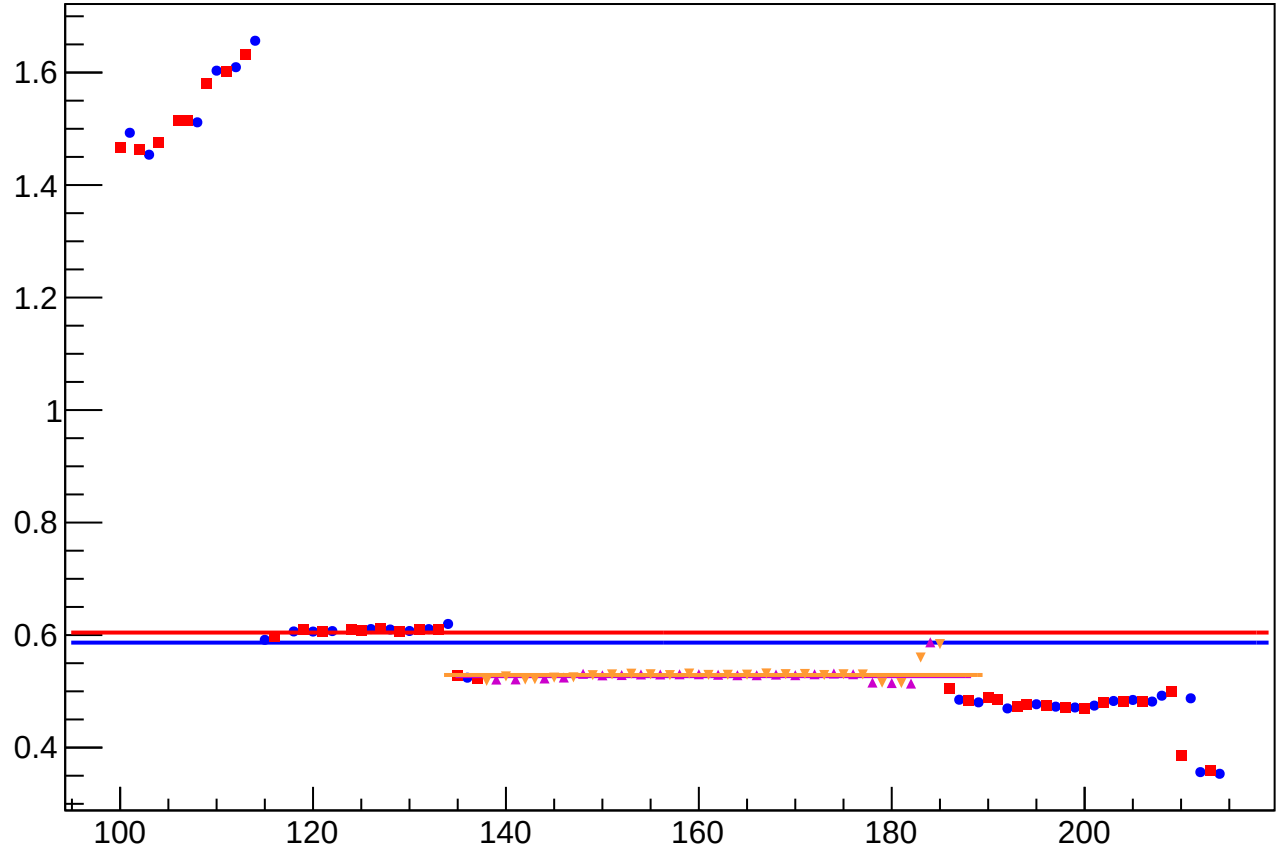
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 11446971.1/54

All: 0.021+/-0.000 χ^2/NDF: 23806566.0/111

- sign 0.022+/-0.000 χ^2/NDF: 12333197.6/56

yield_bpm4aY_mean vs Slug



Right In: 0.587+/-0.000 χ^2/NDF: 5959204480.3/29

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.604+/-0.000 χ^2/NDF: 6902583936.4/33

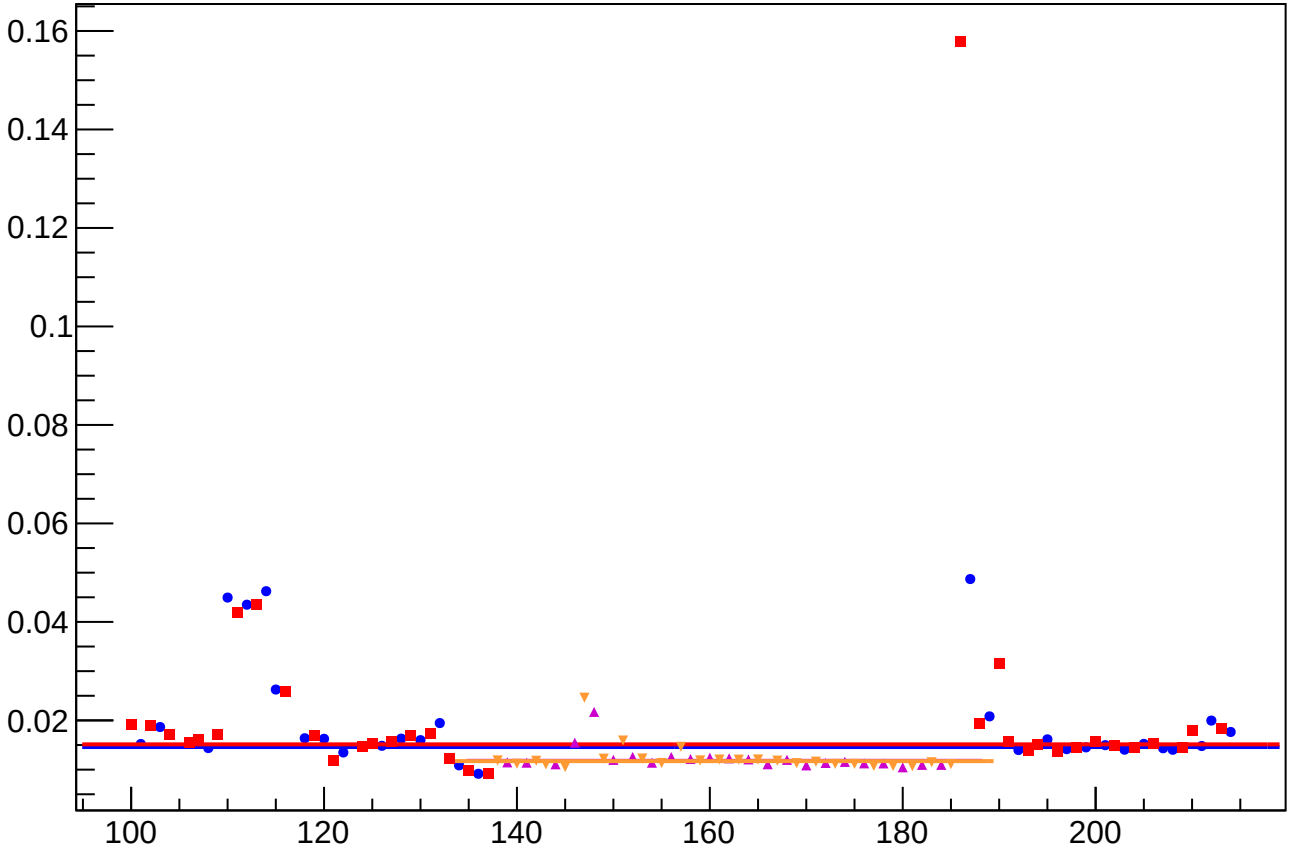
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.550+/-0.000 χ^2/NDF: 6136916808.2/54

All: 0.553+/-0.000 χ^2/NDF: 13334365056.5/1

- sign 0.555+/-0.000 χ^2/NDF: 7194327316.1/56

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2147382.1/29

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2487291.7/33

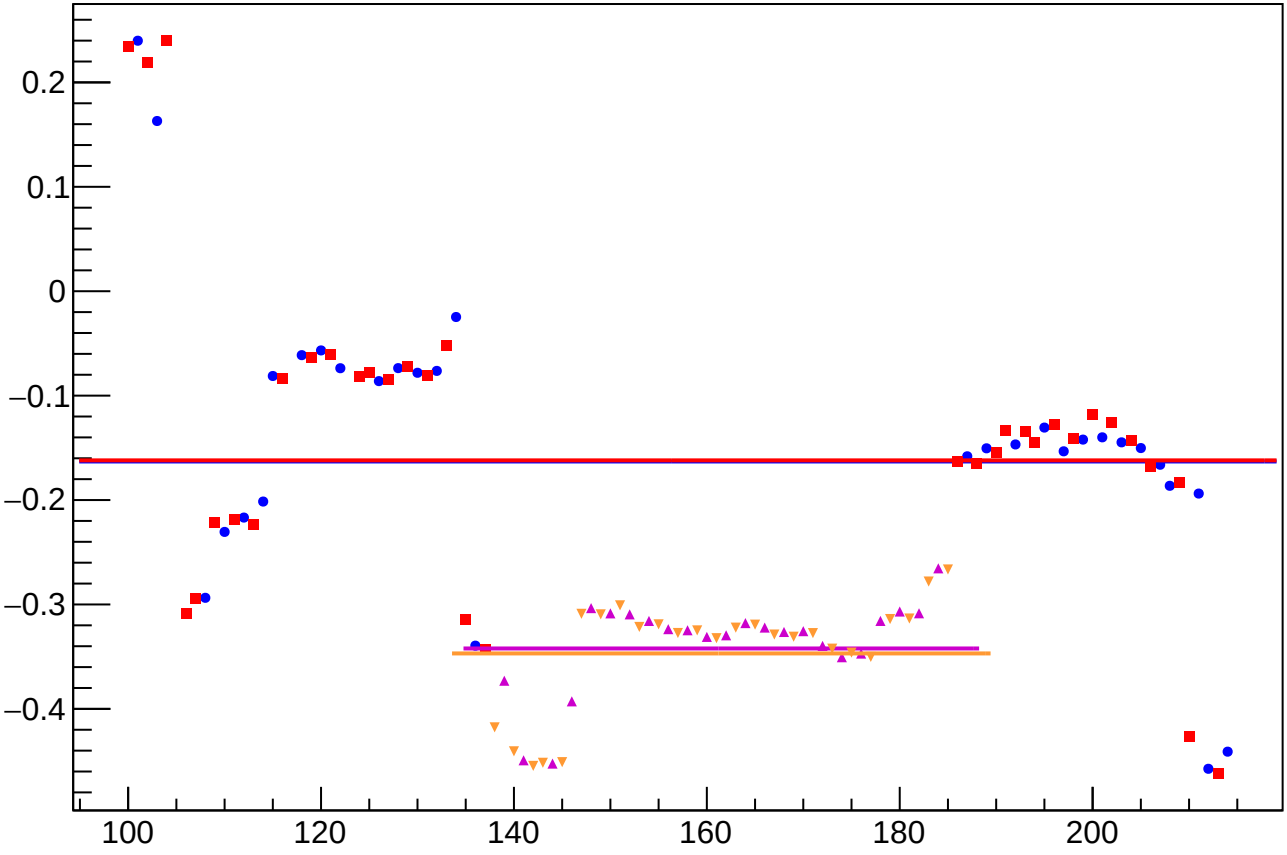
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3645399.6/54

All: 0.013+/-0.000 χ^2/NDF: 7703682.5/111

- sign 0.013+/-0.000 χ^2/NDF: 4045696.9/56

yield_bpm4eX_mean vs Slug



Right In: -0.163+/-0.000 χ^2/NDF: 330763445.9/29

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.162+/-0.000 χ^2/NDF: 252902894.2/33

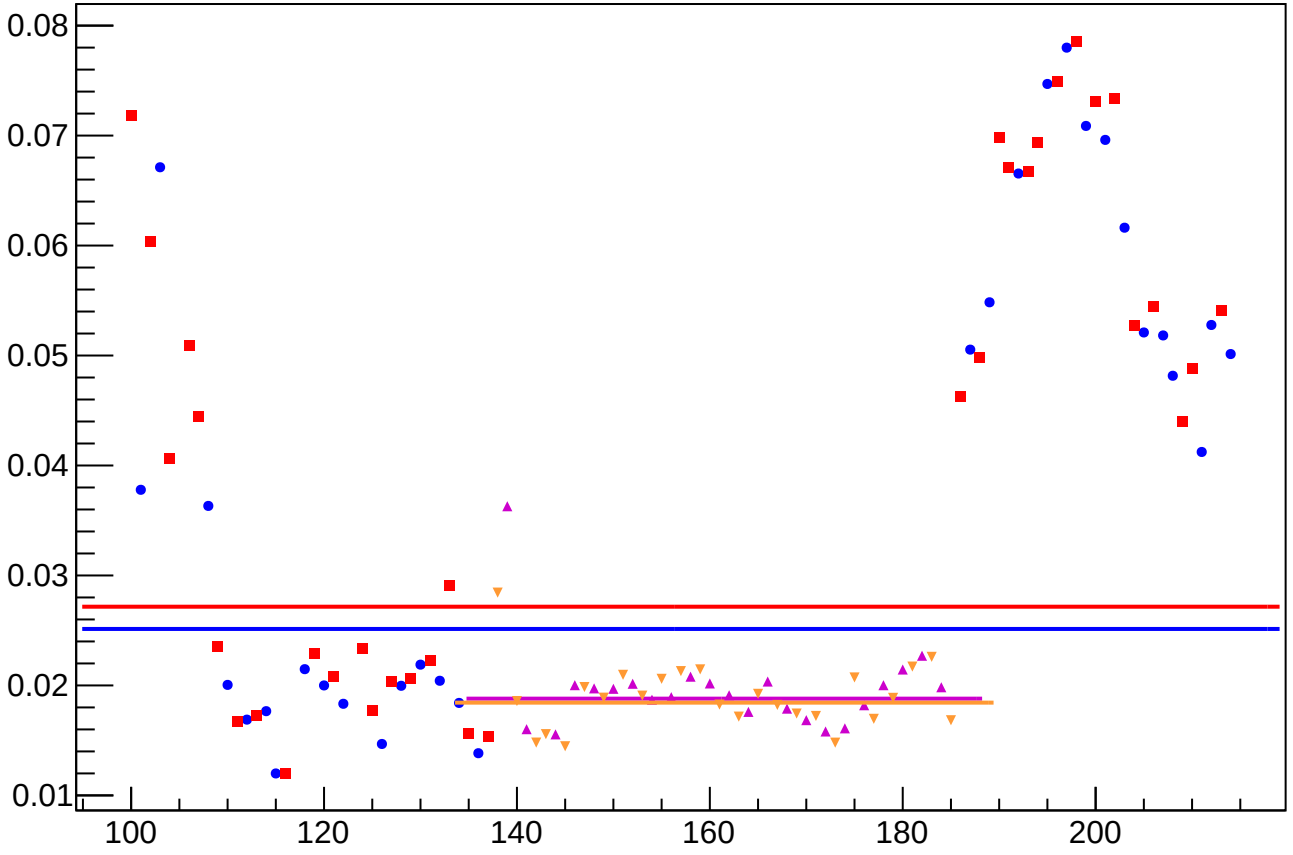
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.294+/-0.000 χ^2/NDF: 909131605.5/54

All: -0.293+/-0.000 χ^2/NDF: 1645043585.4/1

- sign -0.291+/-0.000 χ^2/NDF: 735520942.7/56

yield_bpm4eX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 9689866.0/29

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.027+/-0.000 χ^2/NDF: 9714426.8/33

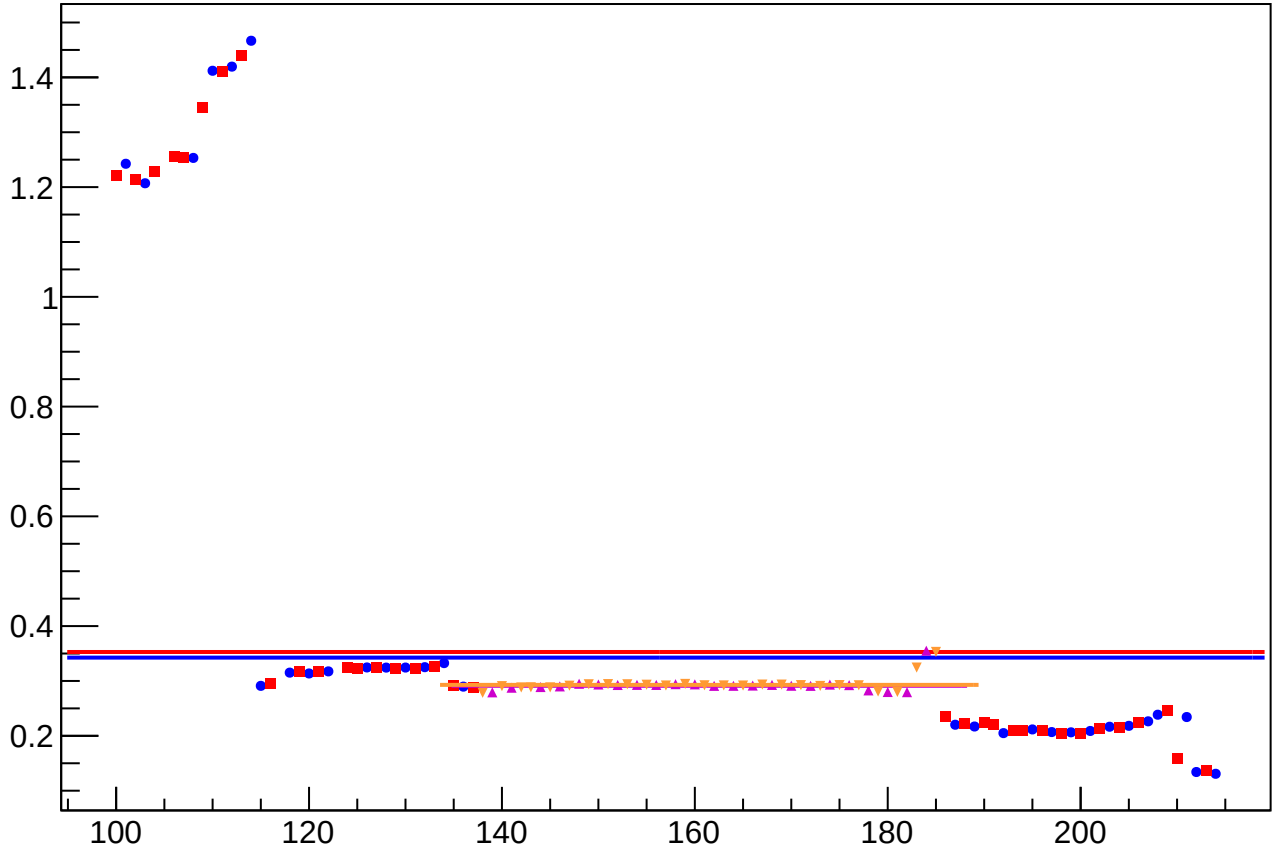
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 11531815.5/54

All: 0.021+/-0.000 χ^2/NDF: 23707032.4/111

- sign 0.021+/-0.000 χ^2/NDF: 12132064.2/56

yield_bpm4eY_mean vs Slug



Right In: 0.343+/-0.000 χ^2/NDF: 8635456645.3/29

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.353+/-0.000 χ^2/NDF: 9559136217.6/33

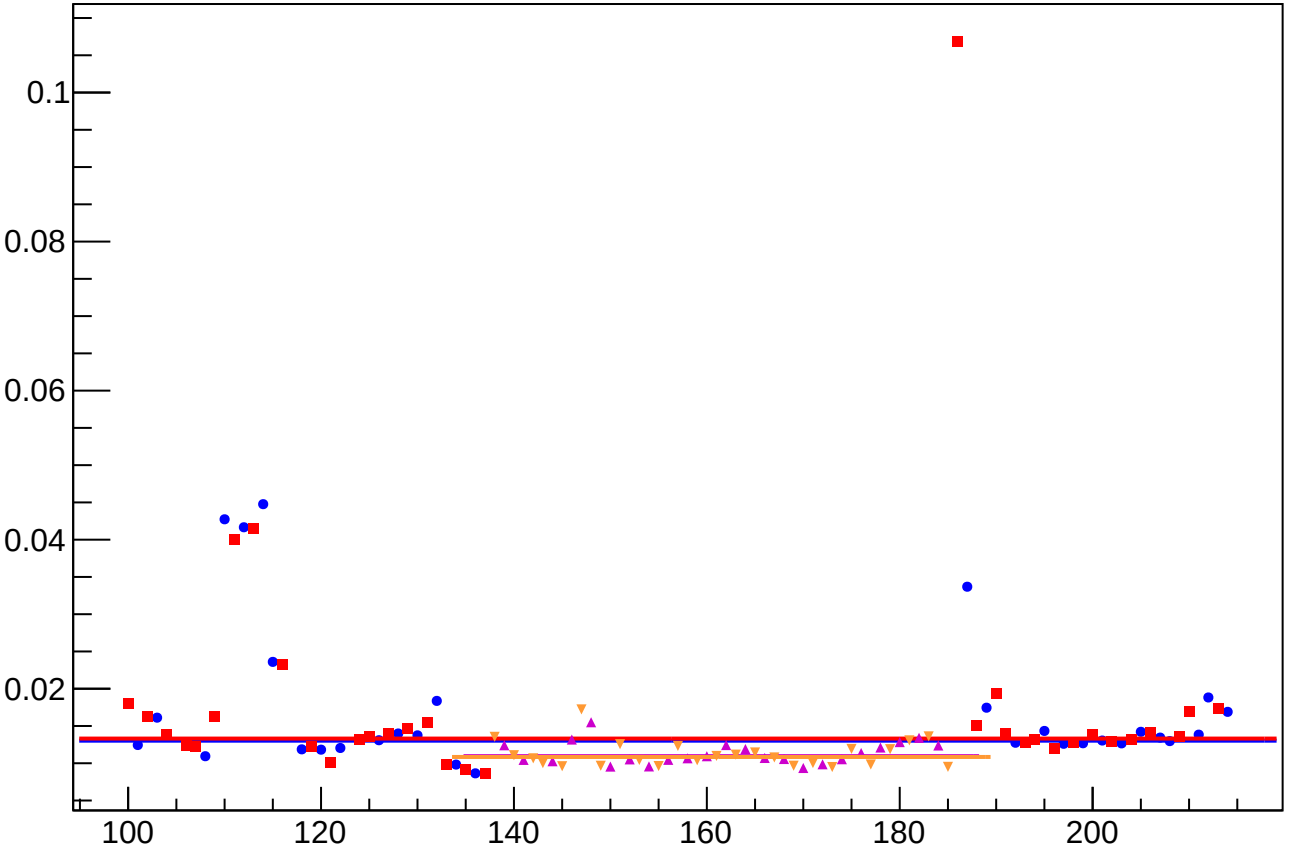
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.312+/-0.000 χ^2/NDF: 8799494870.3/54

All: 0.314+/-0.000 χ^2/NDF: 18587617507.5/1

- sign 0.316+/-0.000 χ^2/NDF: 9786428676.7/56

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2054861.4/29

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2361498.1/33

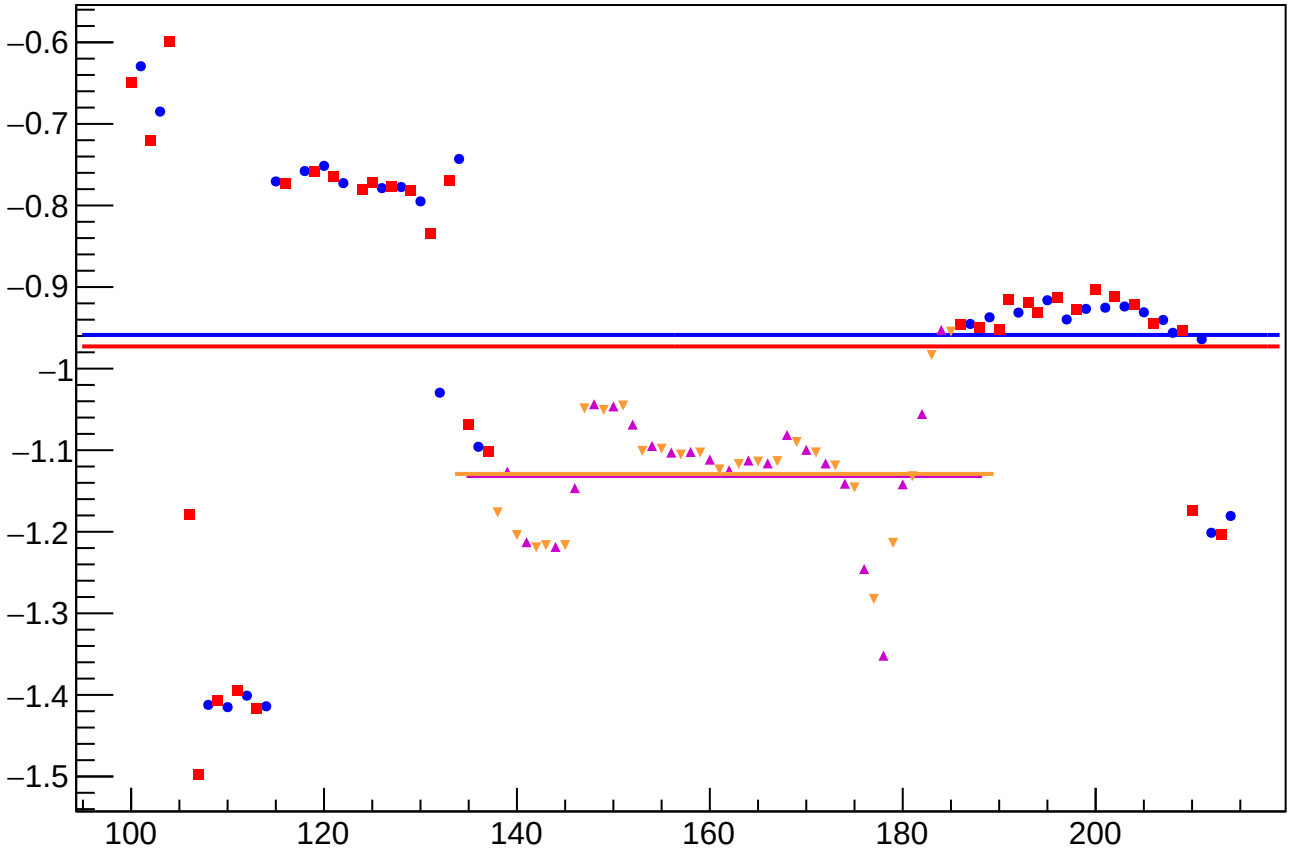
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3277329.6/54

All: 0.012+/-0.000 χ^2/NDF: 6795865.7/111

- sign 0.012+/-0.000 χ^2/NDF: 3507910.6/56

yield_bpm4acX_mean vs Slug



Right In: -0.959+/-0.000 χ^2/NDF: 732072308.0/29

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.973+/-0.000 χ^2/NDF: 746342437.2/33

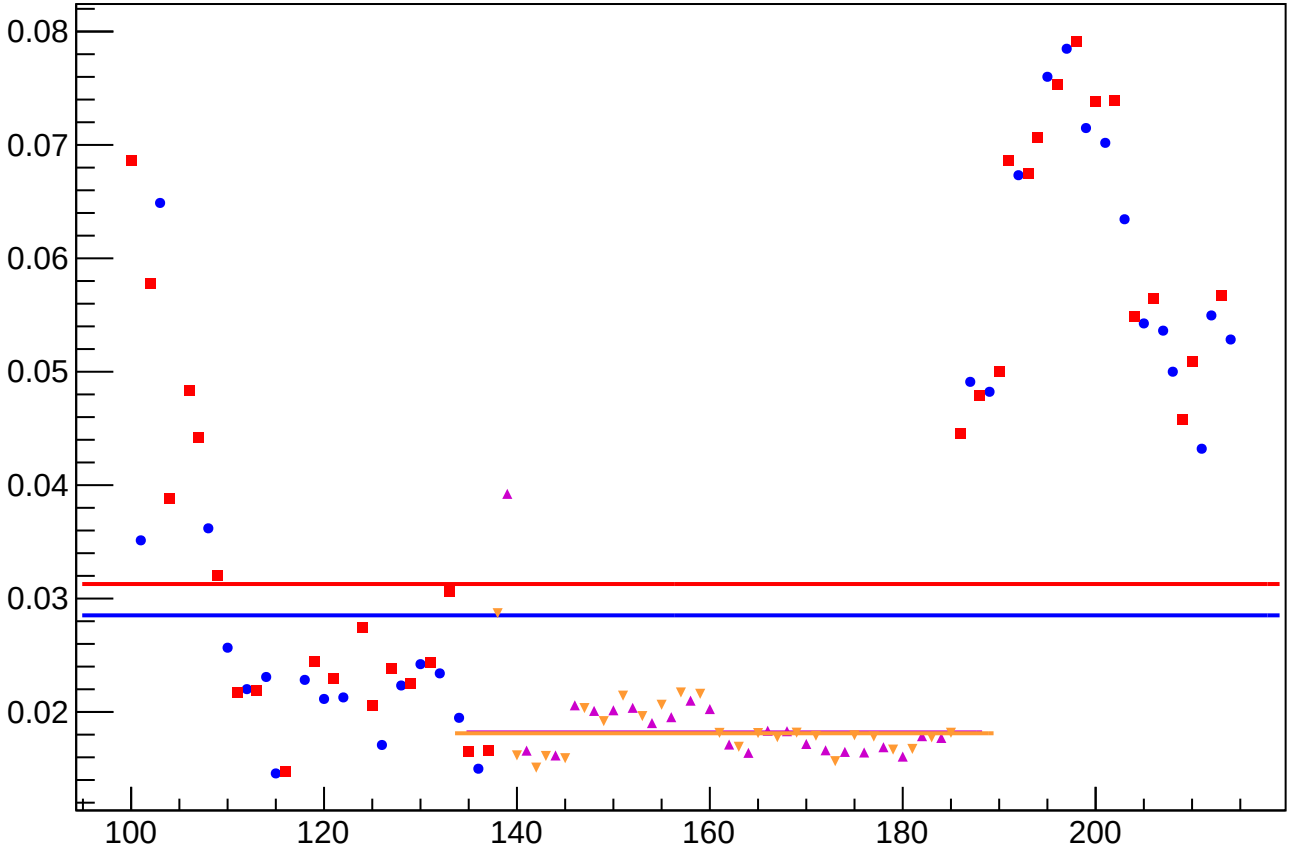
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.088+/-0.000 χ^2/NDF: 1307238708.9/54

All: -1.091+/-0.000 χ^2/NDF: 2579112331.6/1

- sign -1.094+/-0.000 χ^2/NDF: 1270535961.1/56

yield_bpm4acX_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF: 8397899.4/29

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7969097.6/33

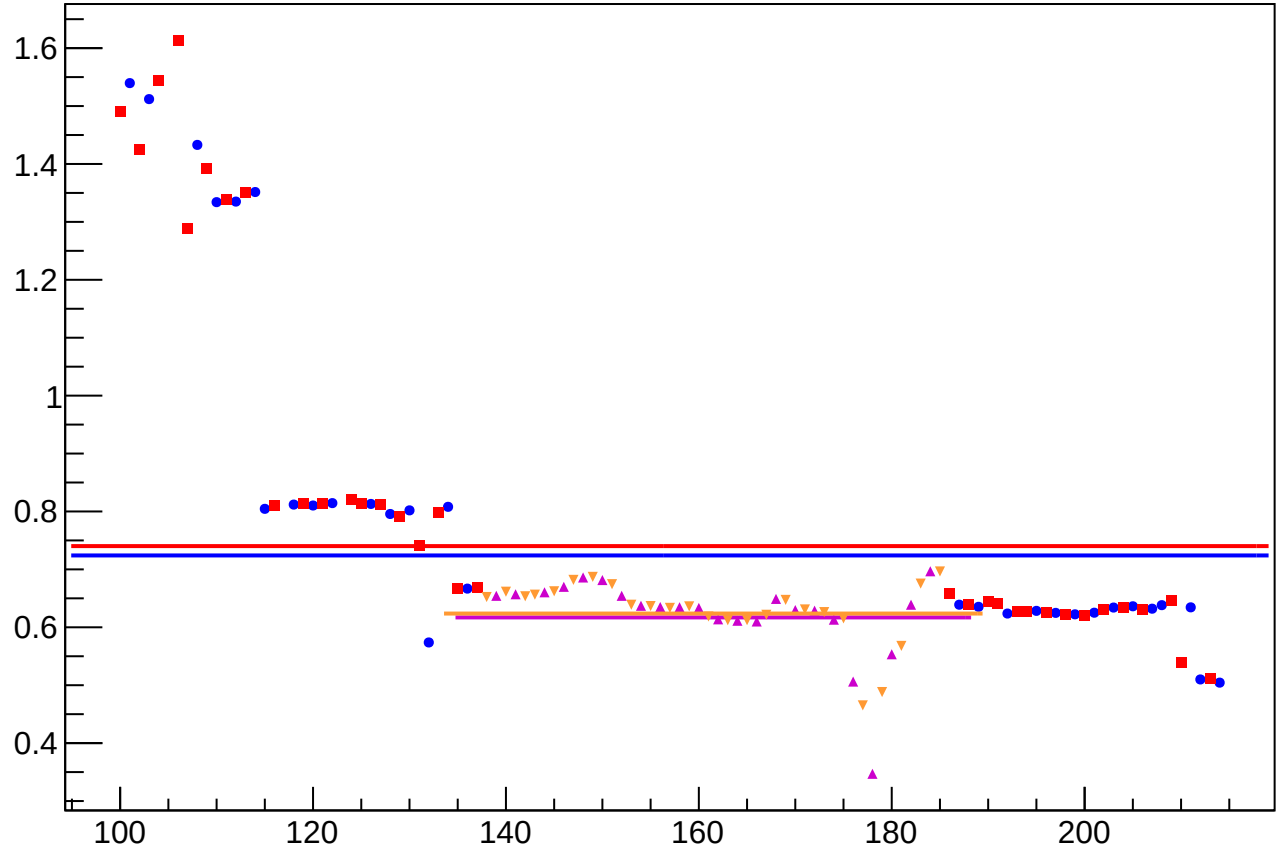
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 11382445.8/54

All: 0.021+/-0.000 χ^2/NDF: 23680511.4/111

- sign 0.021+/-0.000 χ^2/NDF: 12274146.6/56

yield_bpm4acY_mean vs Slug



Right In: 0.724+/-0.000 χ^2/NDF: 4140402201.5/29

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.740+/-0.000 χ^2/NDF: 4481498131.9/33

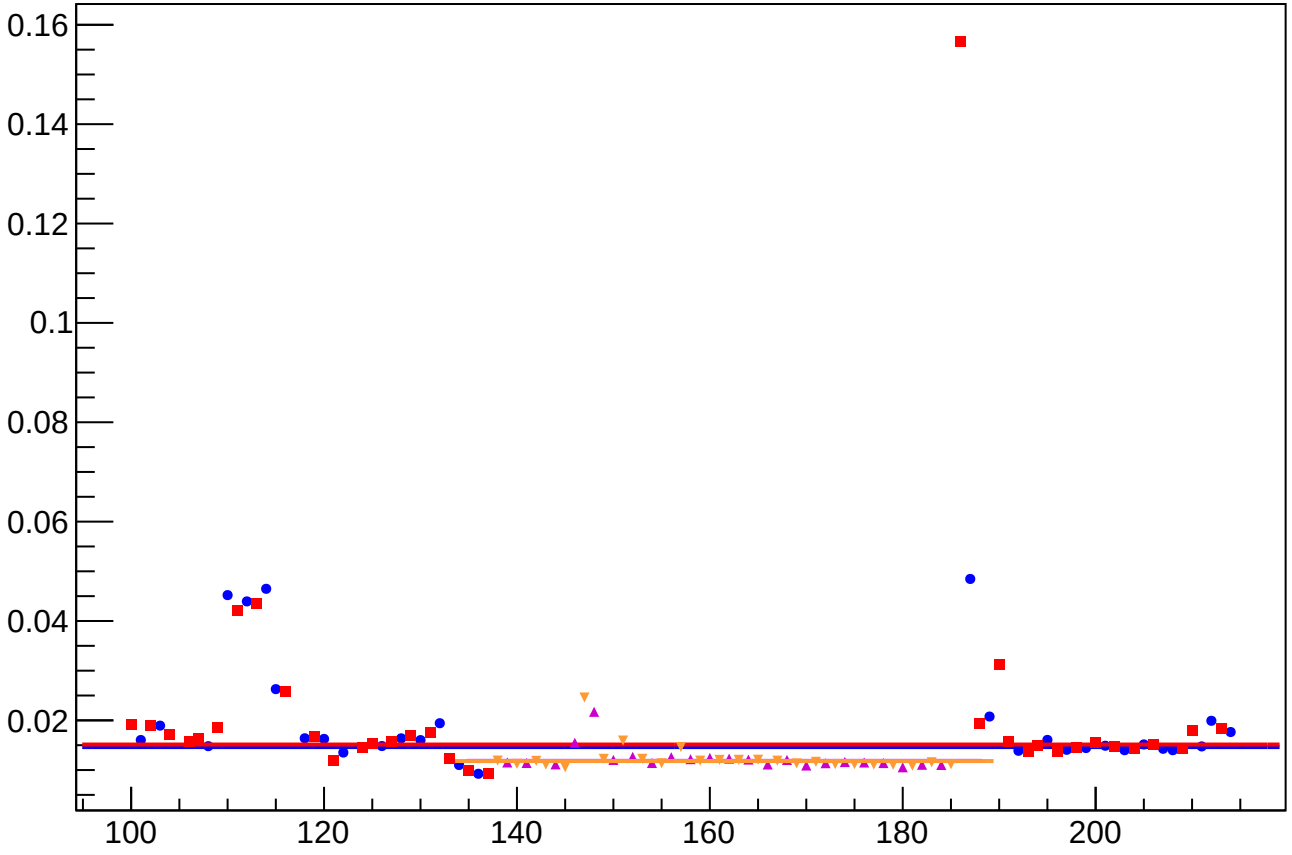
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.660+/-0.000 χ^2/NDF: 5028377208.1/54

All: 0.661+/-0.000 χ^2/NDF: 10857435438.4/1

- sign 0.663+/-0.000 χ^2/NDF: 5828574317.0/56

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2126475.2/29

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2492451.5/33

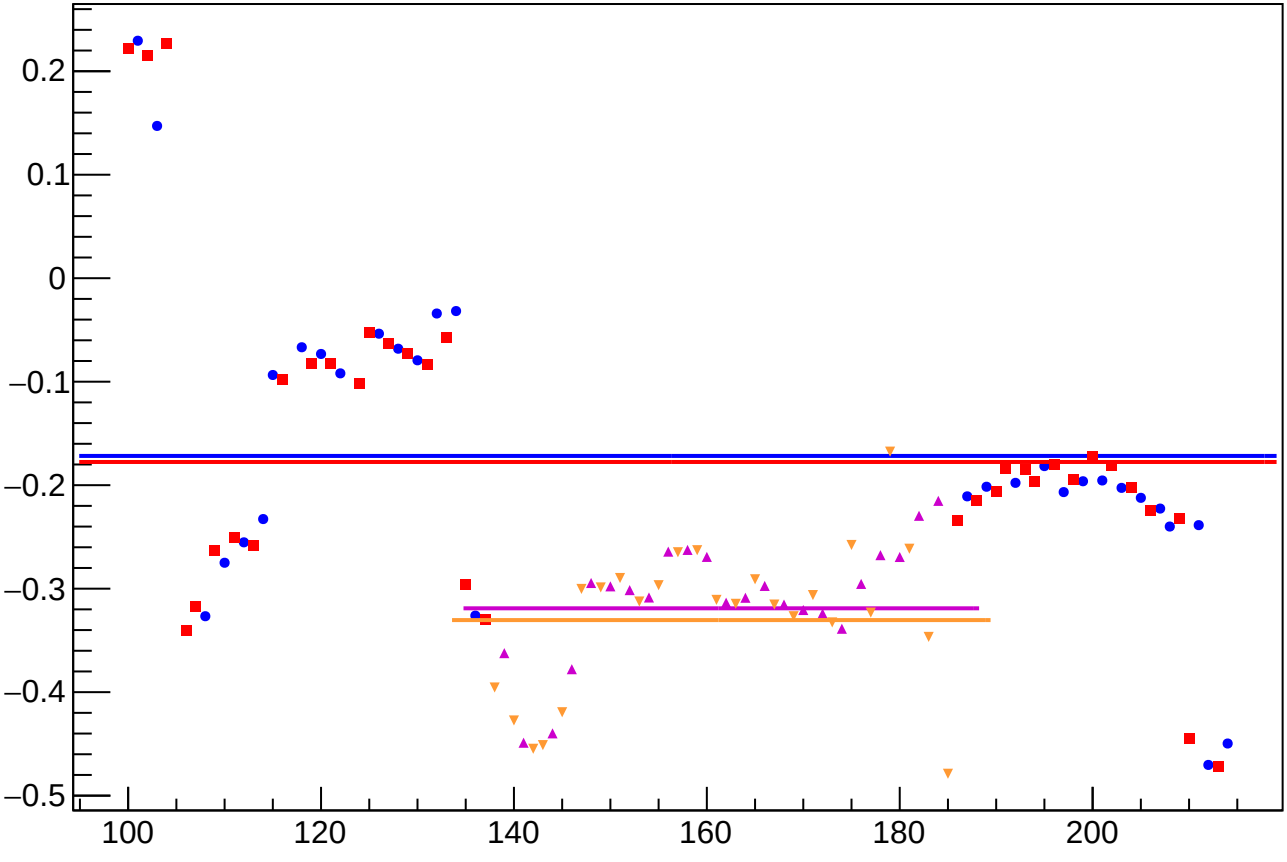
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3567857.5/54

All: 0.013+/-0.000 χ^2/NDF: 7579958.3/111

- sign 0.013+/-0.000 χ^2/NDF: 4001747.5/56

yield_bpm4ecX_mean vs Slug



Right In: -0.172+/-0.000 χ^2/NDF: 335863905.6/29

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.178+/-0.000 χ^2/NDF: 252301532.8/33

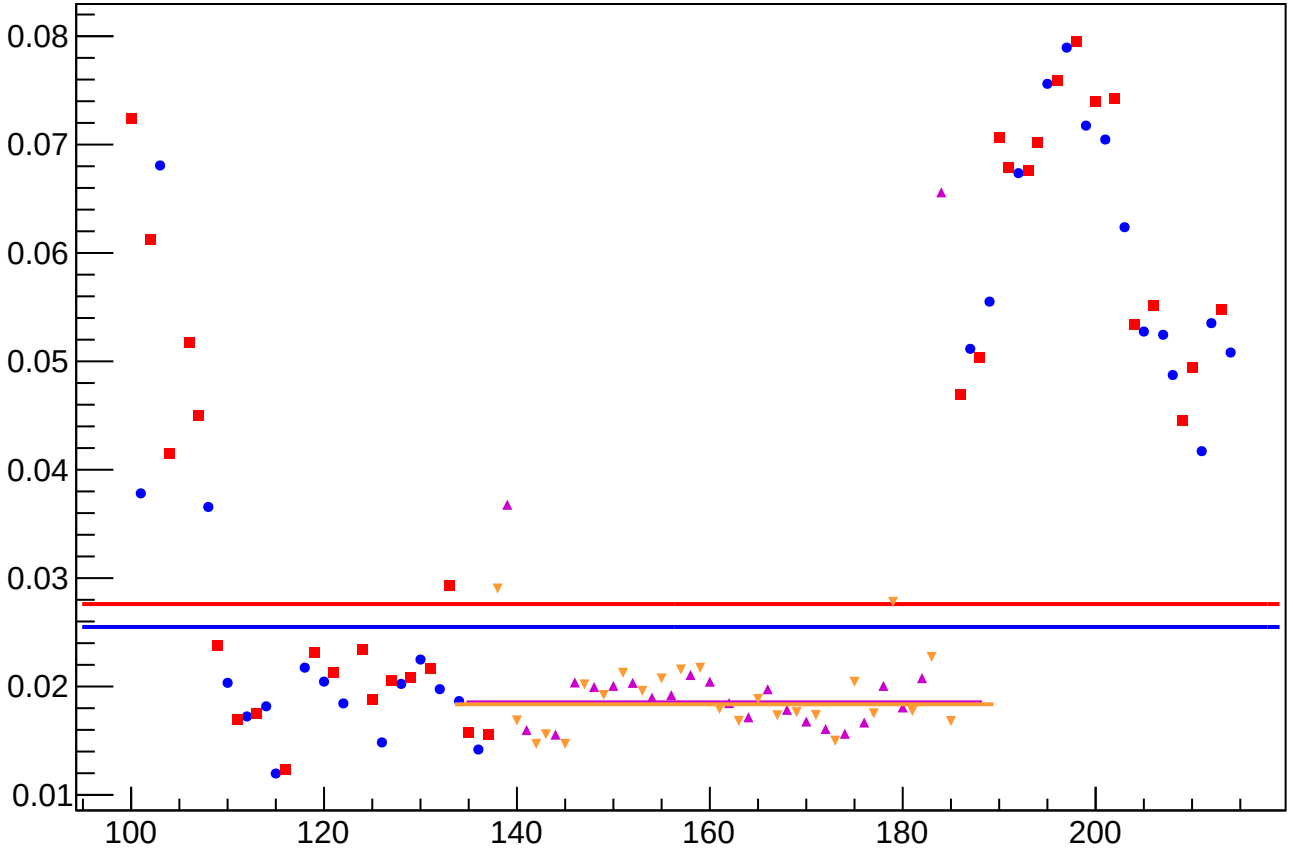
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.285+/-0.000 χ^2/NDF: 846951559.2/54

All: -0.282+/-0.000 χ^2/NDF: 1468214848.3/1

- sign -0.279+/-0.000 χ^2/NDF: 620283840.2/56

yield_bpm4ecX_rms vs Slug



Right In: 0.025+/-0.000 χ^2/NDF: 9649078.9/29

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.028+/-0.000 χ^2/NDF: 9655022.1/33

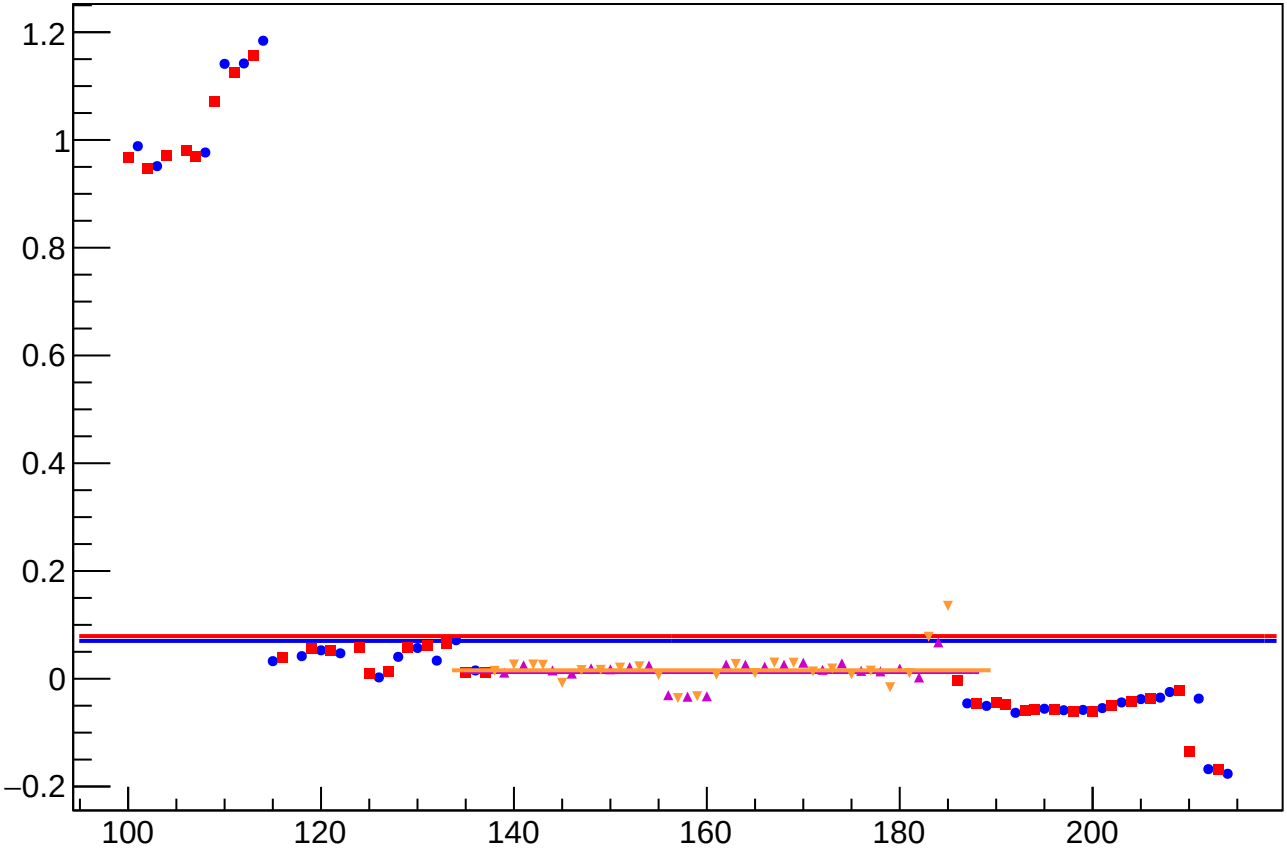
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 11714391.5/54

All: 0.021+/-0.000 χ^2/NDF: 24285039.8/111

- sign 0.021+/-0.000 χ^2/NDF: 12542289.1/56

yield_bpm4ecY_mean vs Slug



Right In: 0.070+/-0.000 χ^2/NDF: 8776273258.7/29

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.079+/-0.000 χ^2/NDF: 9511084125.2/33

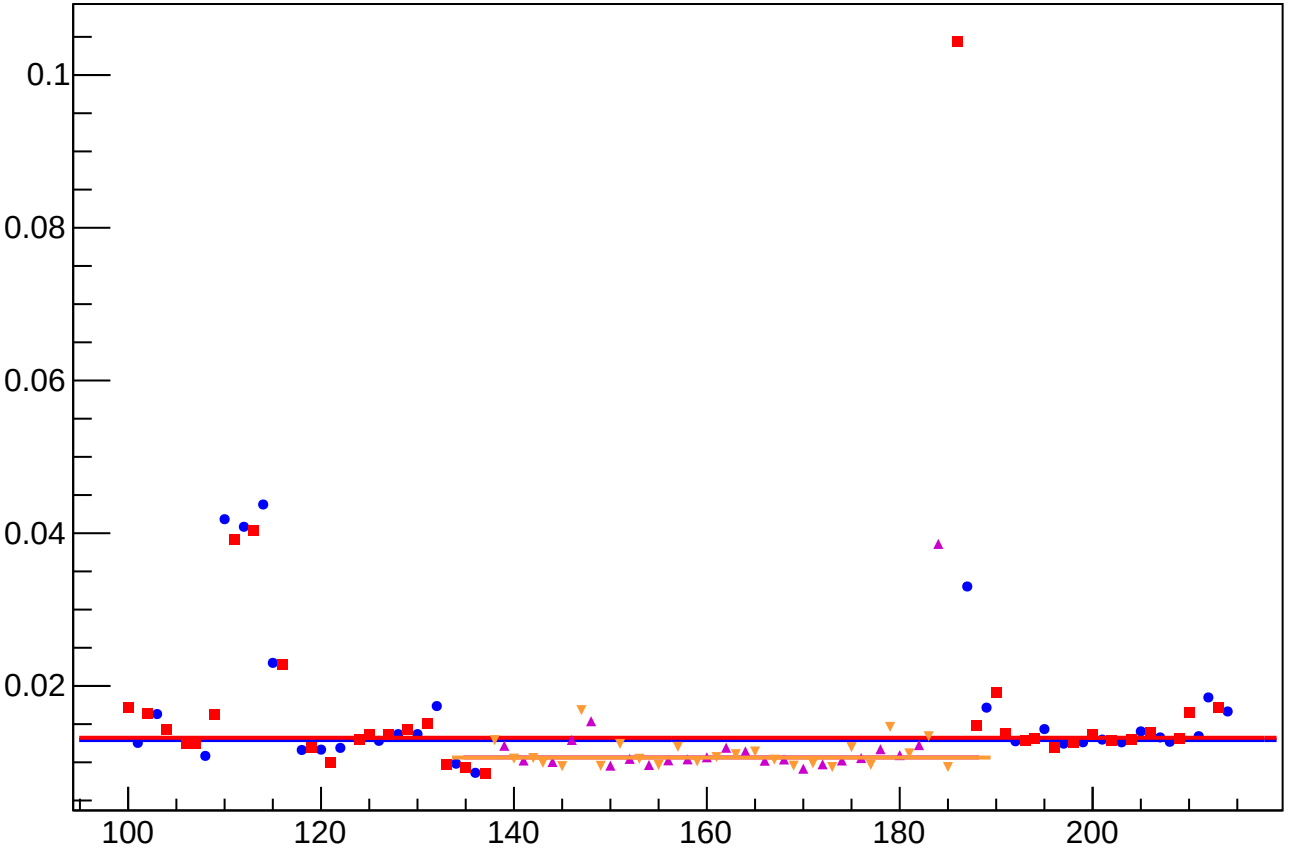
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.037+/-0.000 χ^2/NDF: 9060406401.6/54

All: 0.038+/-0.000 χ^2/NDF: 18891282407.2/1

- sign 0.038+/-0.000 χ^2/NDF: 9830407963.4/56

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2003731.6/29

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

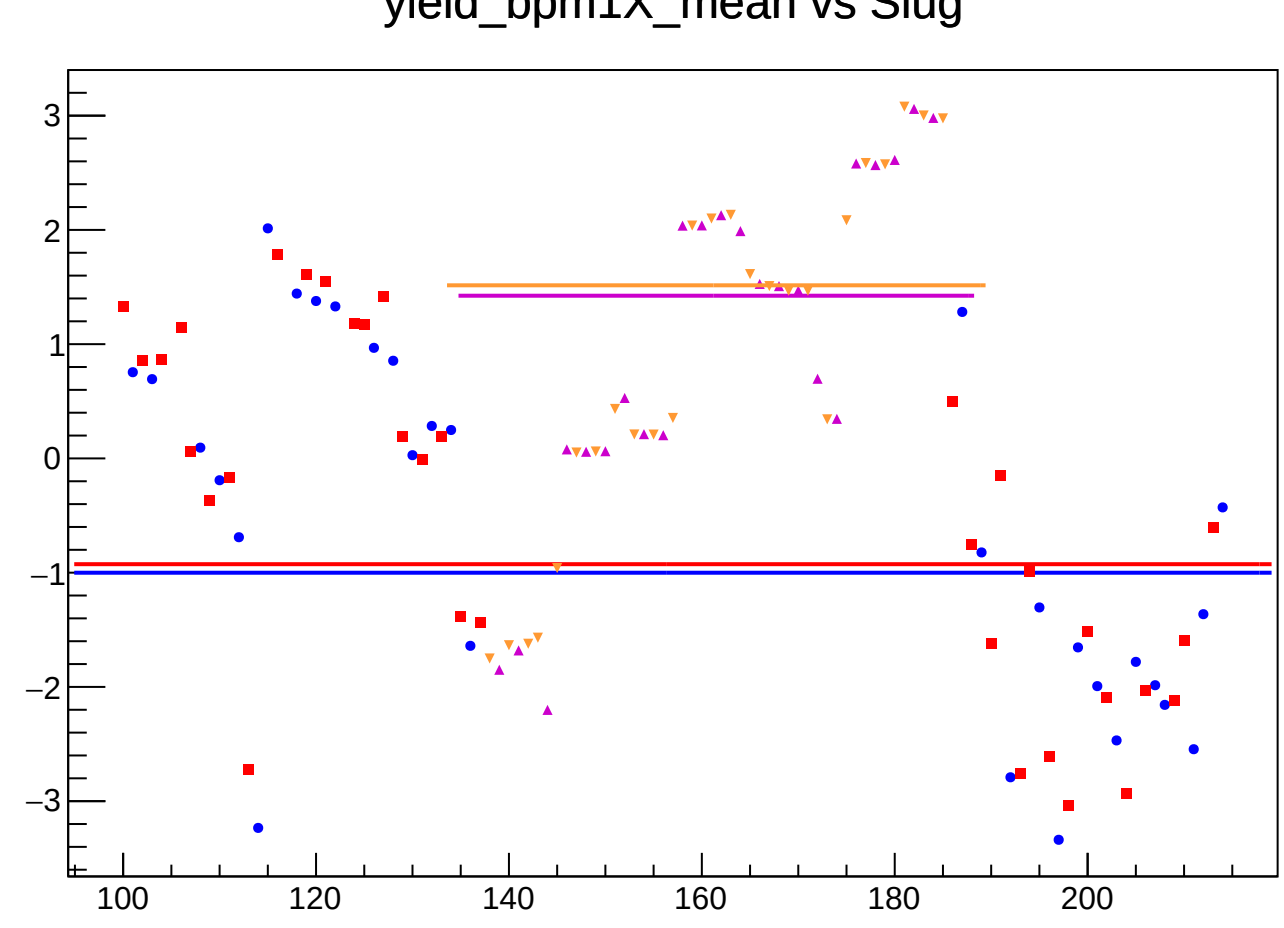
Right Out: 0.013+/-0.000 χ^2/NDF: 2288359.4/33

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 3260229.5/54

All: 0.012+/-0.000 χ^2/NDF: 6901259.9/111

- sign 0.012+/-0.000 χ^2/NDF: 3635589.6/56



Right In: -1.001+/-0.000 χ^2/NDF: 9671881235.1/29

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.926+/-0.000 χ^2/NDF: 9664157271.8/33

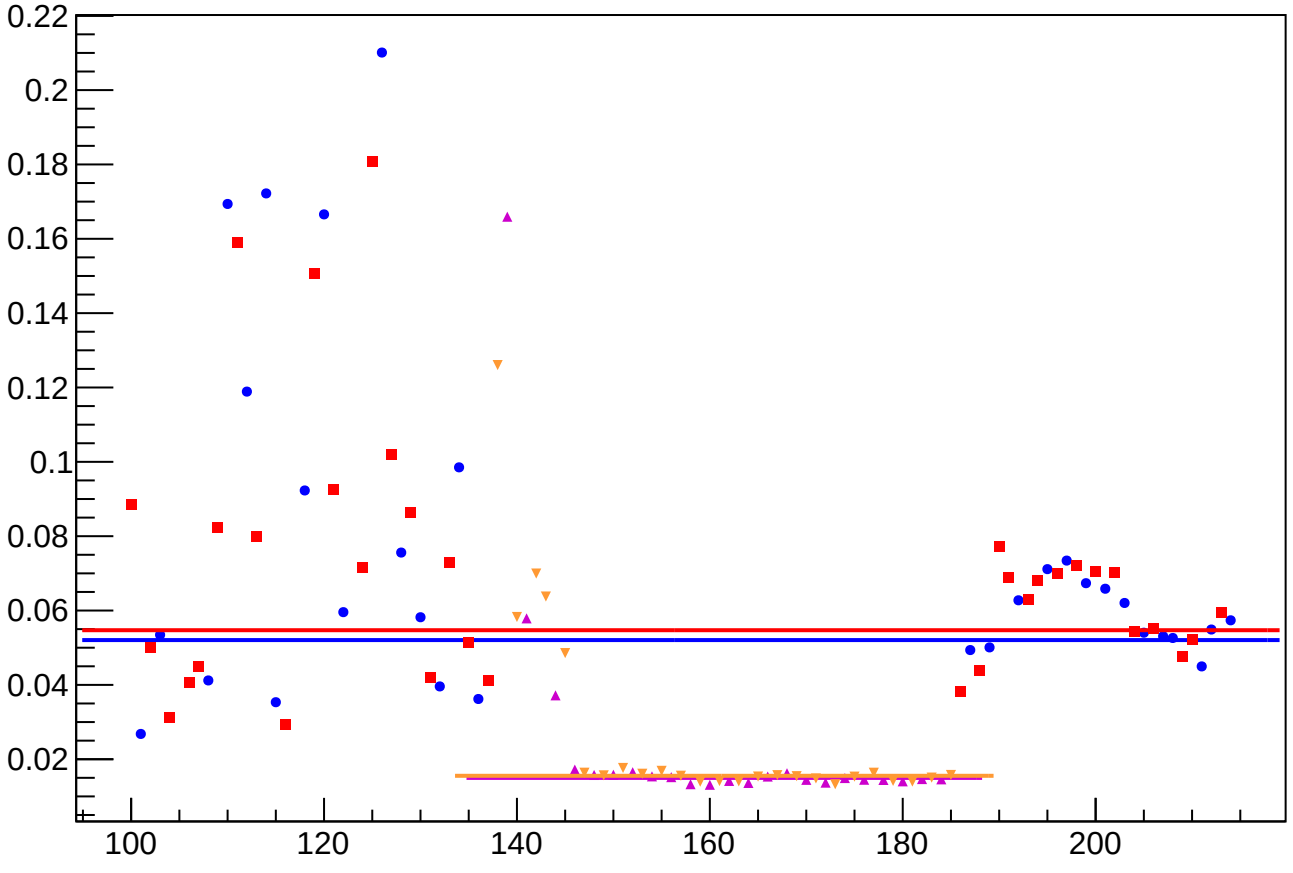
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.319+/-0.000 χ^2/NDF: 107349370691.9/54

All: 1.284+/-0.000 χ^2/NDF: 210636570776.9

- sign 1.250+/-0.000 χ^2/NDF: 103128051792.2/56

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3610535.0/29

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

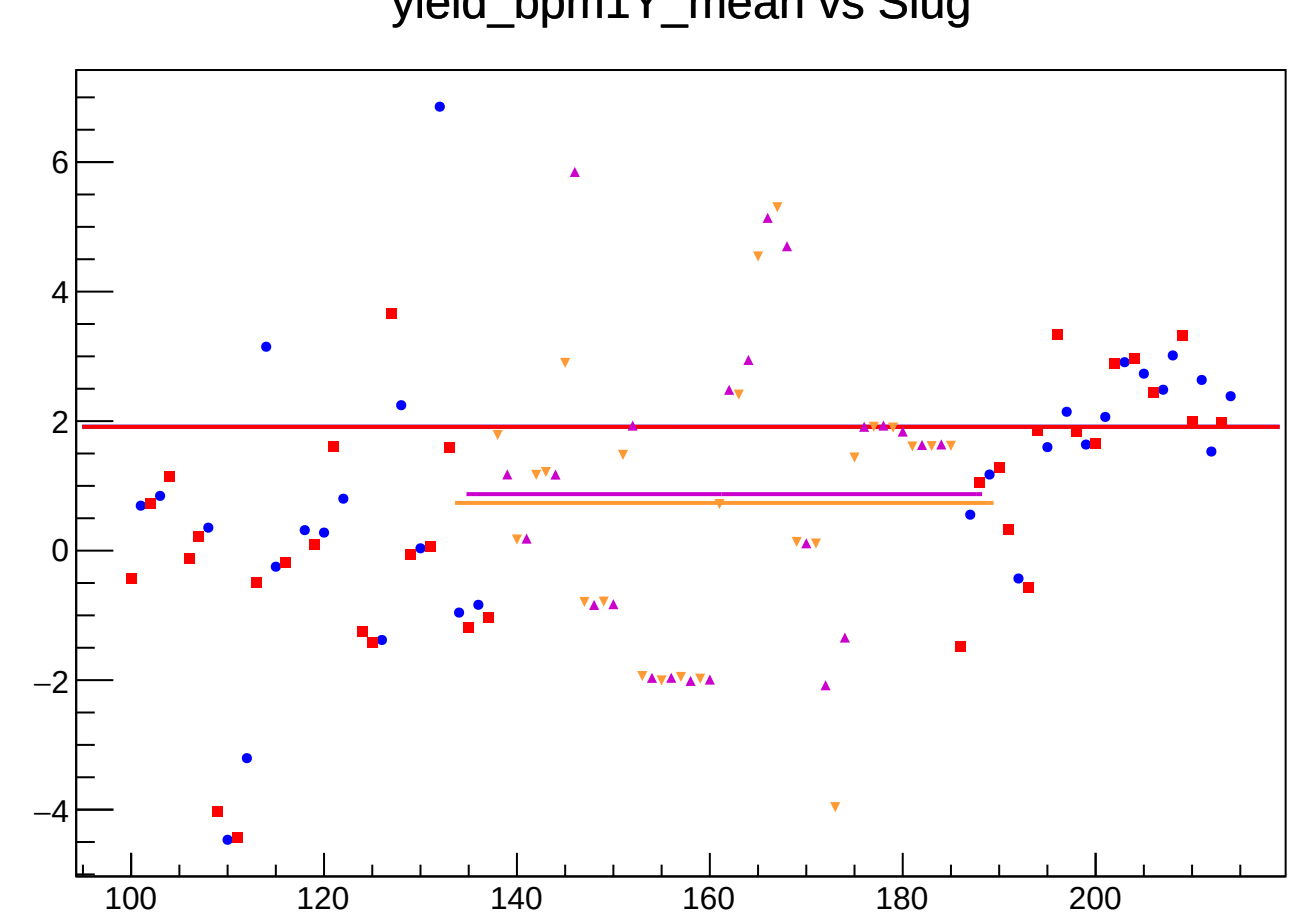
Right Out: 0.055+/-0.000 χ^2/NDF: 3195917.3/33

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF: 19184266.7/54

All: 0.018+/-0.000 χ^2/NDF: 39113074.6/111

- sign 0.018+/-0.000 χ^2/NDF: 19914163.1/56



Right In: 1.914+/-0.000 χ^2/NDF: 41001360020.8/29

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.912+/-0.000 χ^2/NDF: 44568119440.6/33

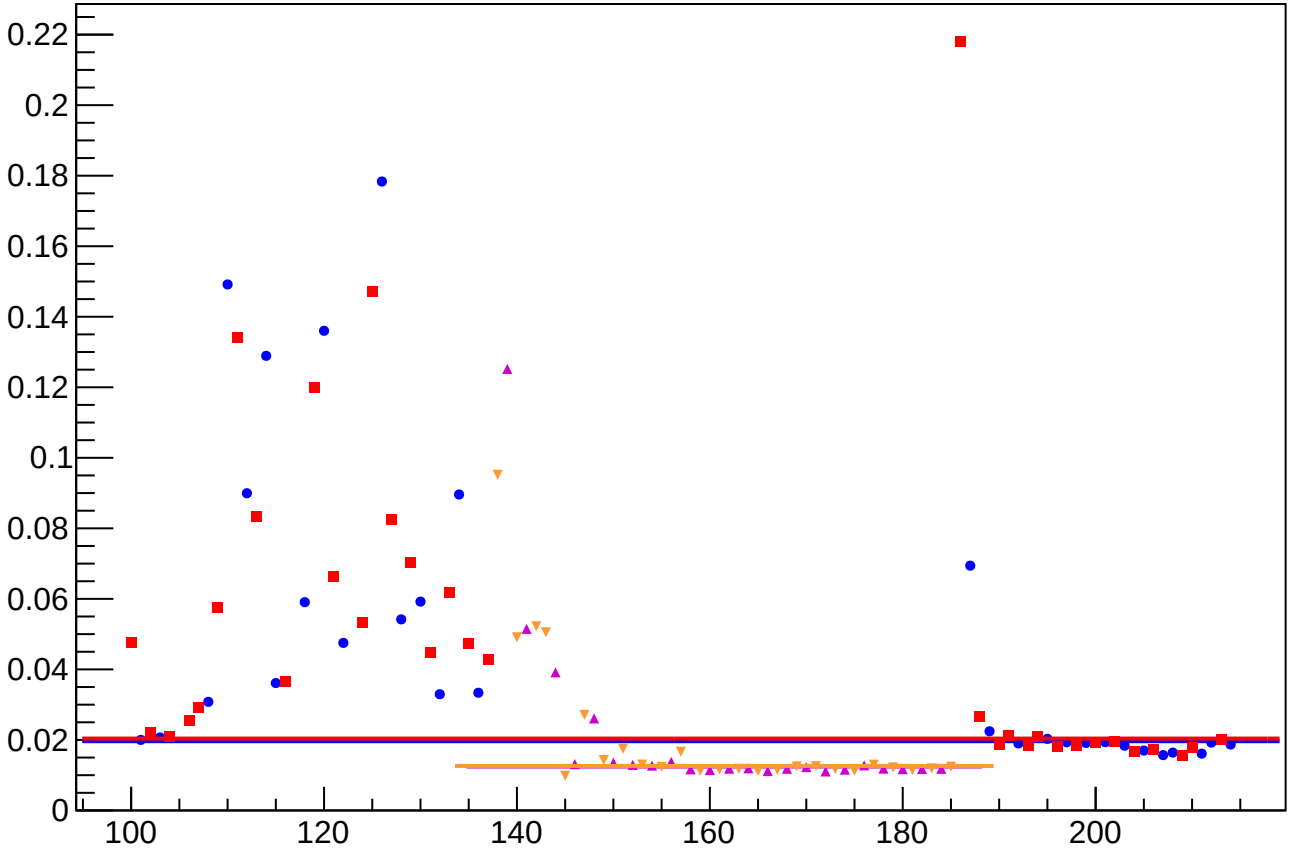
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 1.028+/-0.000 χ^2/NDF: 611067295737.6/54

All: 1.076+/-0.000 χ^2/NDF: 1302281196623.

- sign 1.124+/-0.000 χ^2/NDF: 690616232907.2/56

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 4475565.0/29

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5525900.2/33

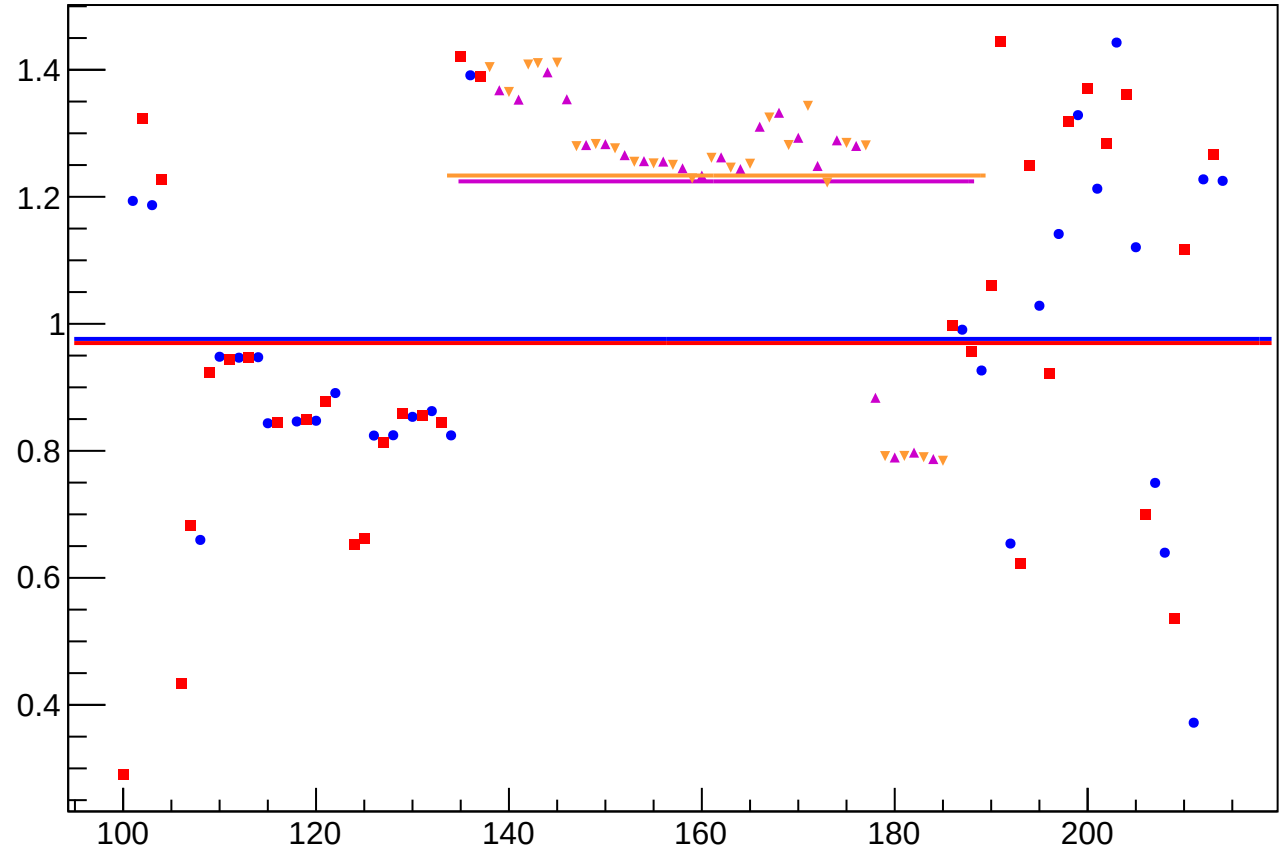
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 10092242.3/54

All: 0.014+/-0.000 χ^2/NDF: 21388596.6/111

- sign 0.014+/-0.000 χ^2/NDF: 11296336.6/56

yield_bpm11X_mean vs Slug



Right In: 0.976+/-0.000 χ^2/NDF: 2277949843.1/29

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.970+/-0.000 χ^2/NDF: 2514328501.2/33

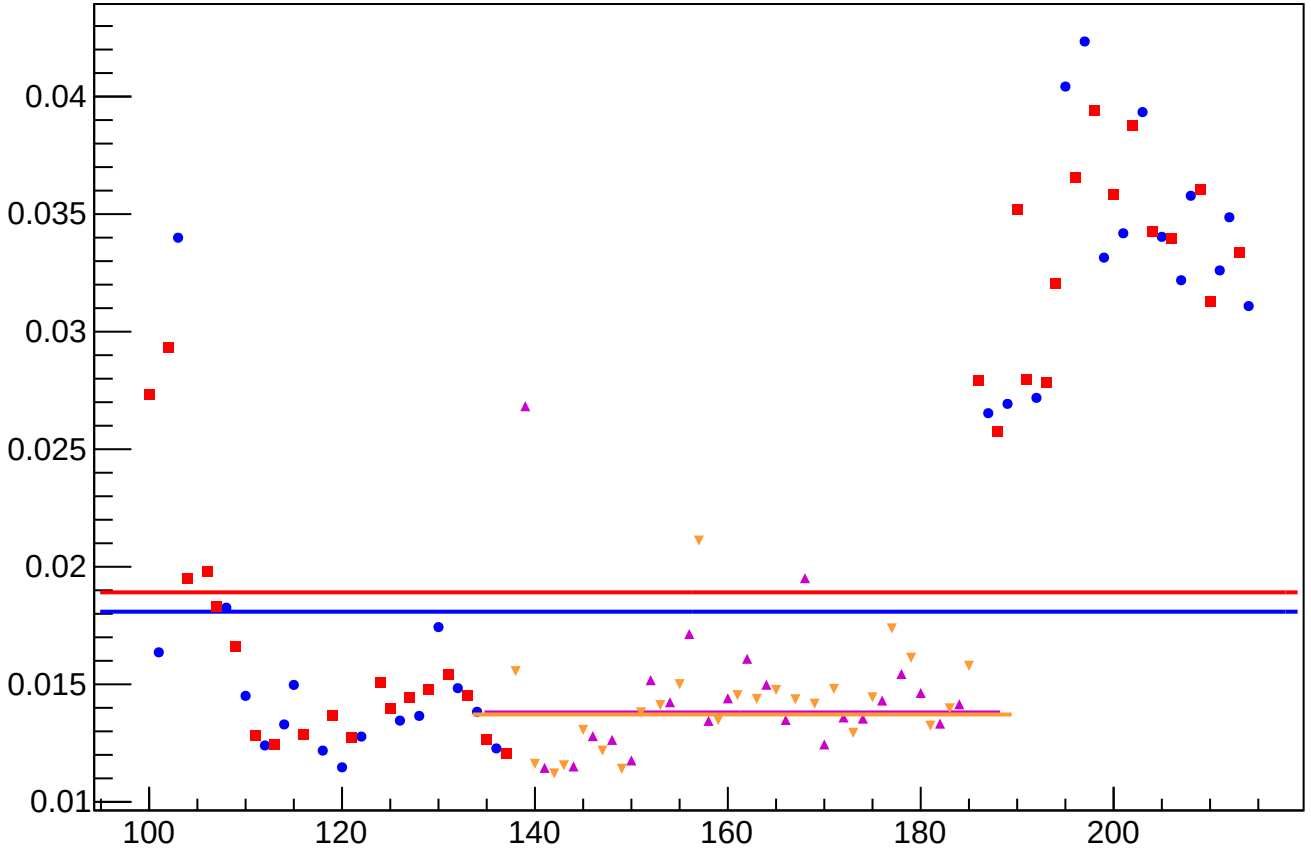
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.152+/-0.000 χ^2/NDF: 7205661342.8/54

All: 1.147+/-0.000 χ^2/NDF: 14163065834.7/1

- sign 1.142+/-0.000 χ^2/NDF: 6950750419.0/56

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 6173164.5/29

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

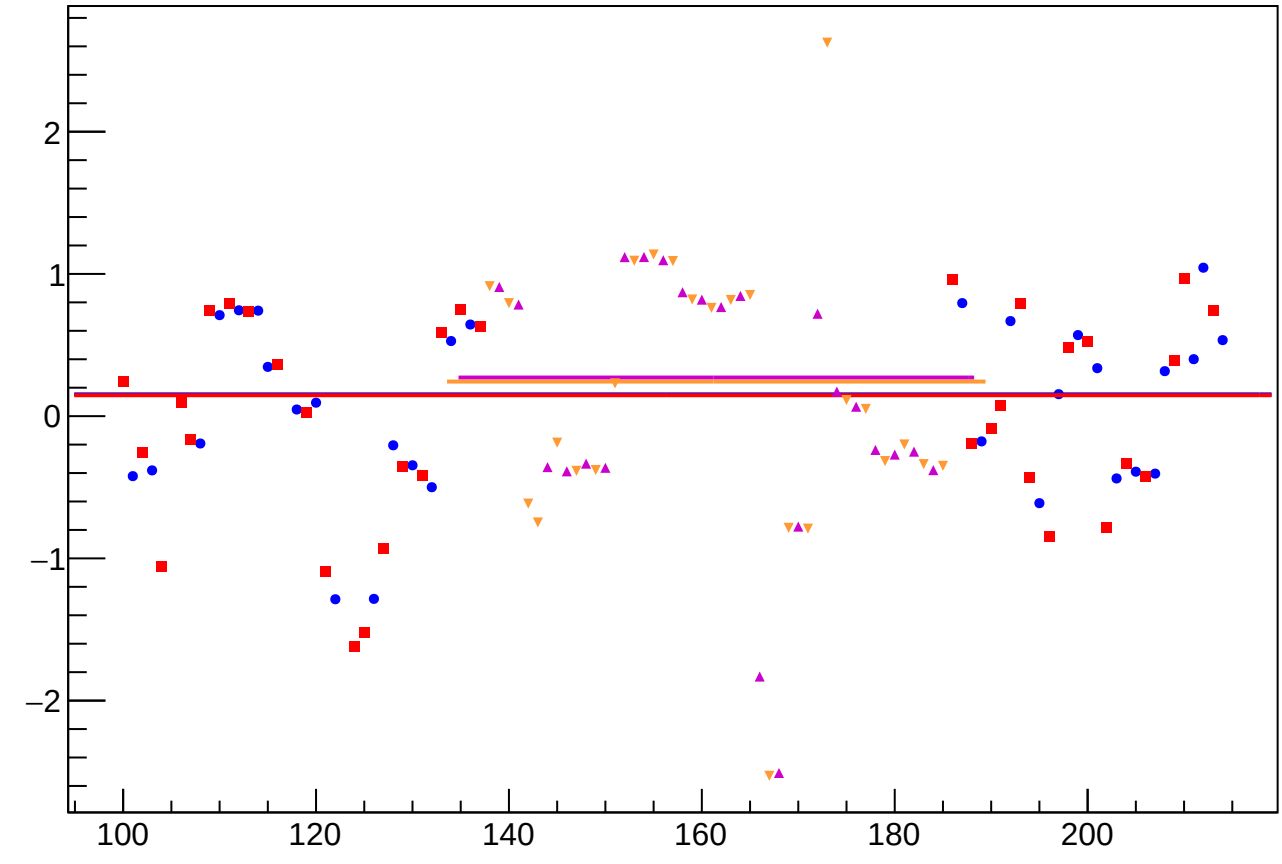
Right Out: 0.019+/-0.000 χ^2/NDF: 5702017.4/33

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 7811846.8/54

All: 0.015+/-0.000 χ^2/NDF: 15835225.2/111

- sign 0.015+/-0.000 χ^2/NDF: 8007155.5/56



Right In: 0.153+/-0.000 χ^2/NDF: 34261257033.0/29

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.147+/-0.000 χ^2/NDF: 48272447677.8/33

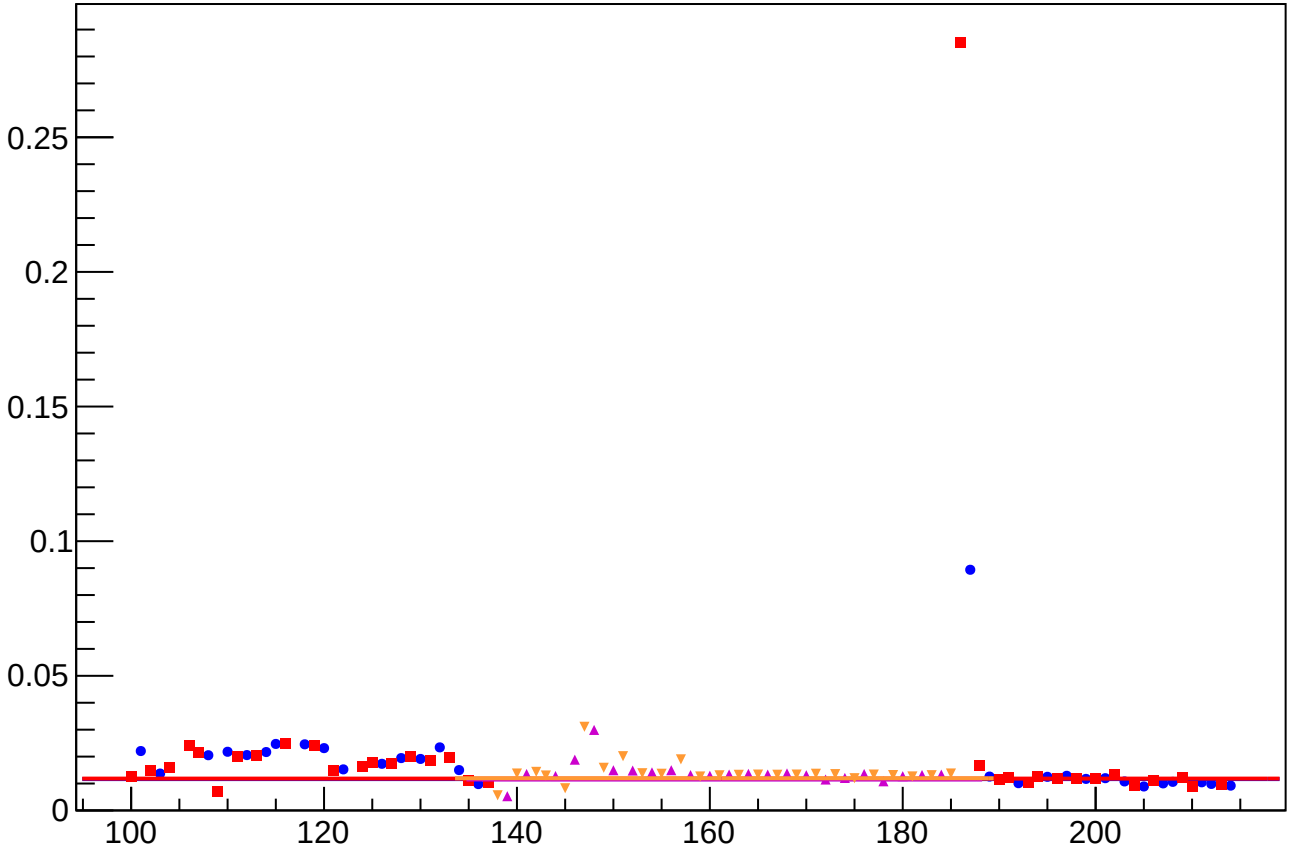
Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

+ sign 0.200+/-0.000 χ^2/NDF: 140315530404.8/54

All: 0.206+/-0.000 χ^2/NDF: 279982347315.3

- sign 0.212+/-0.000 χ^2/NDF: 139650650327.3/56

yield_bpm11Y_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2756780.1/29

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3236289.6/33

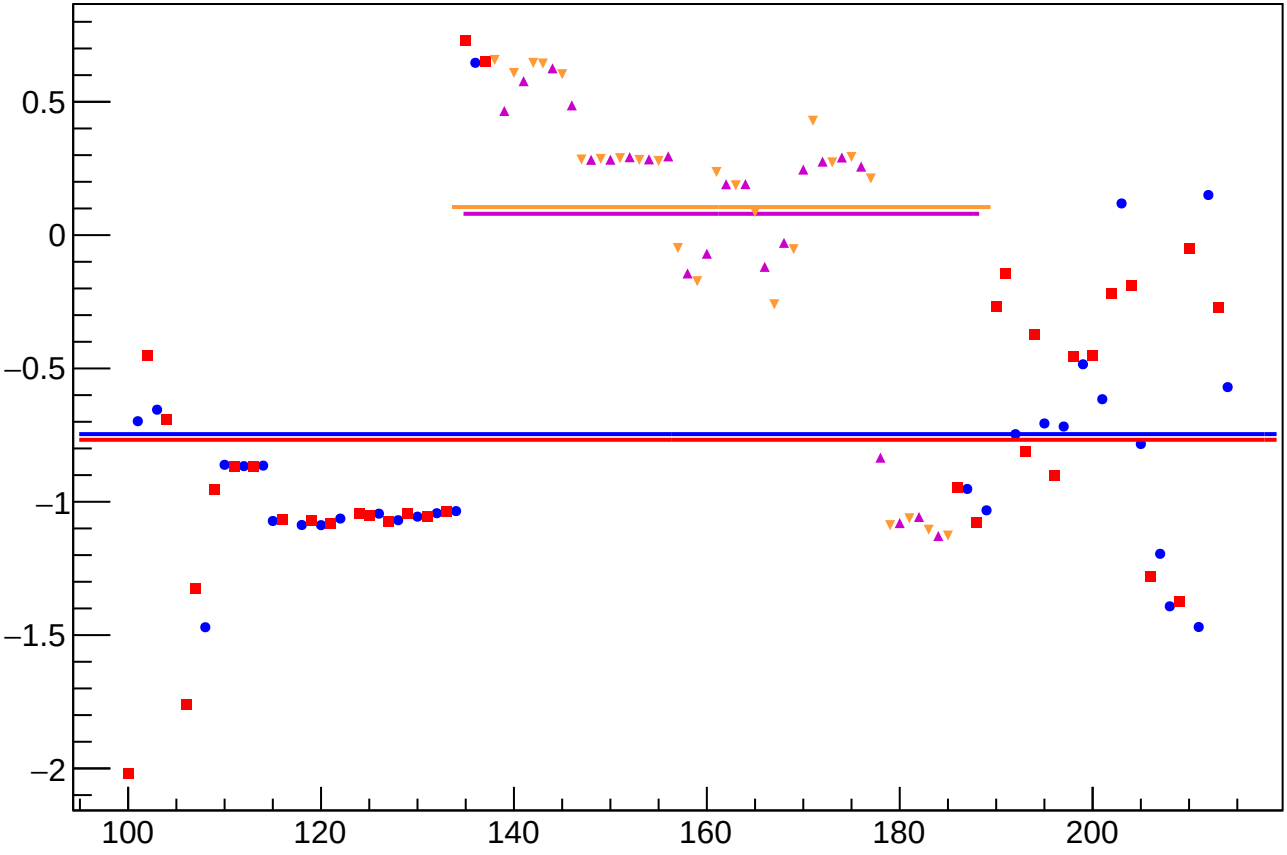
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 6033079.7/54

All: 0.012+/-0.000 χ^2/NDF: 12958891.3/111

- sign 0.012+/-0.000 χ^2/NDF: 6920574.7/56

yield_bpm12X_mean vs Slug



Right In: -0.746+/-0.000 χ^2/NDF: 2395761267.3/29

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.768+/-0.000 χ^2/NDF: 2241329871.0/33

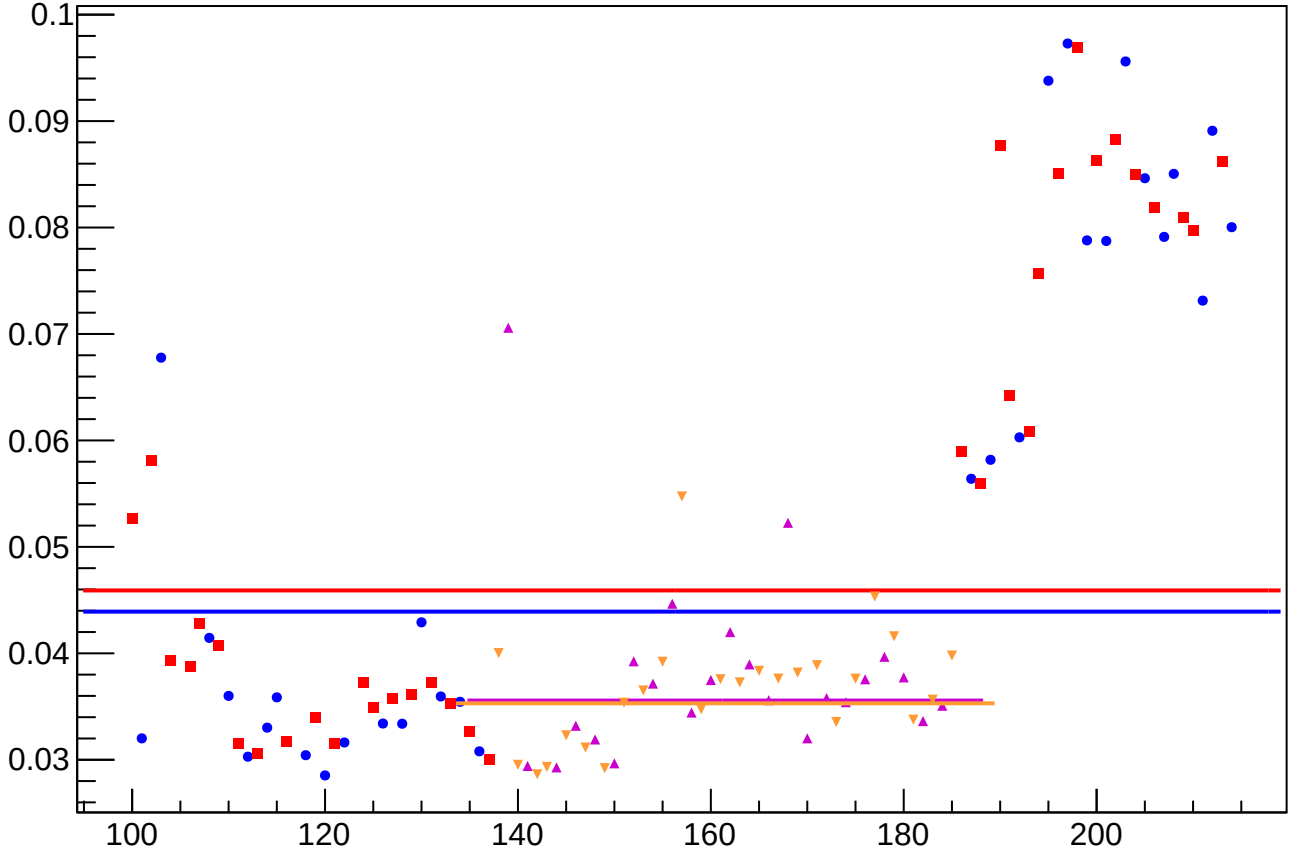
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.193+/-0.000 χ^2/NDF: 9608982890.9/54

All: -0.207+/-0.000 χ^2/NDF: 18386446426.3/

- sign -0.222+/-0.000 χ^2/NDF: 8768739689.7/56

yield_bpm12X_rms vs Slug



Right In: 0.044+/-0.000 χ^2/NDF: 5892428.6/29

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.046+/-0.000 χ^2/NDF: 5243809.3/33

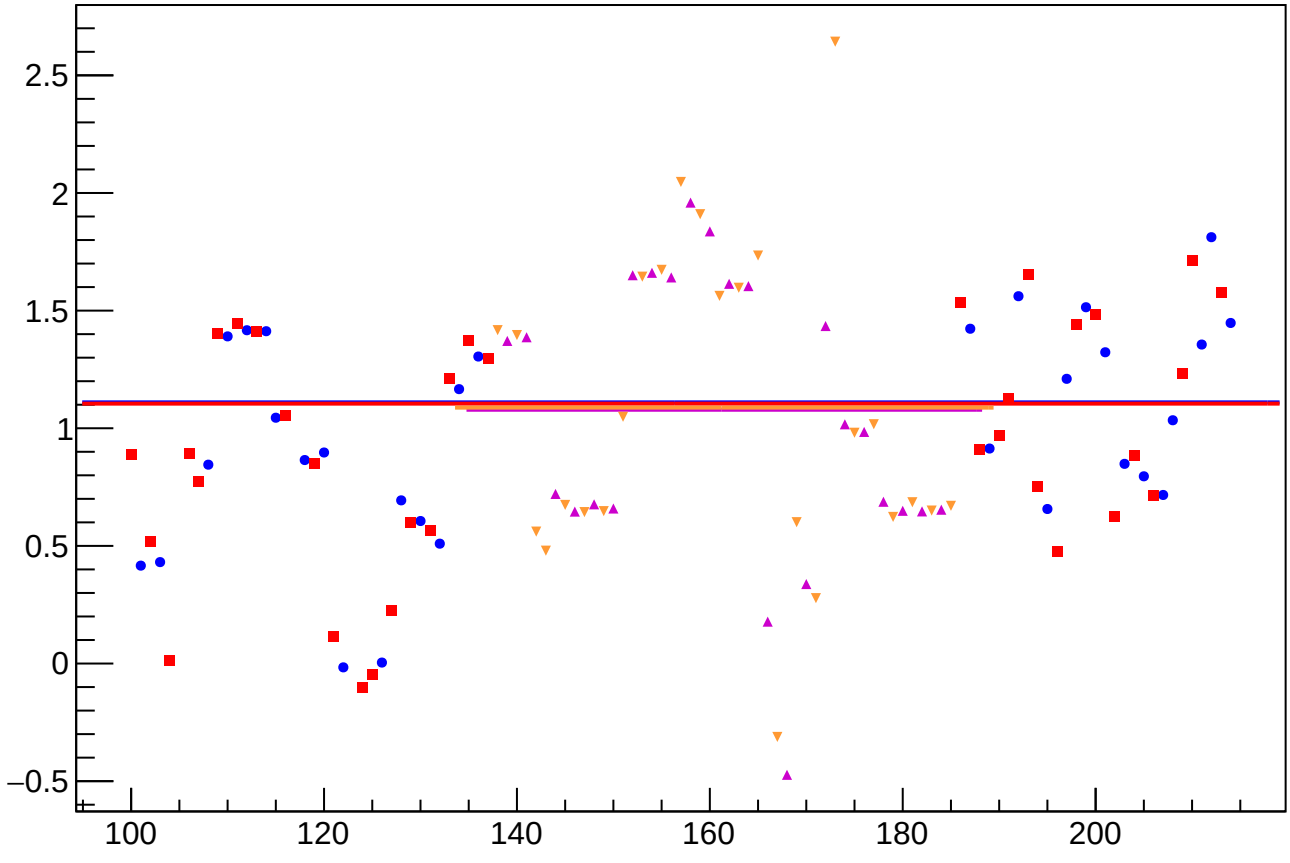
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.038+/-0.000 χ^2/NDF: 7206029.7/54

All: 0.039+/-0.000 χ^2/NDF: 14398758.3/111

- sign 0.039+/-0.000 χ^2/NDF: 7175131.2/56

yield_bpm12Y_mean vs Slug



Right In: 1.110+/-0.000 χ^2/NDF: 48110002635.4/29

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.105+/-0.000 χ^2/NDF: 56943219827.2/33

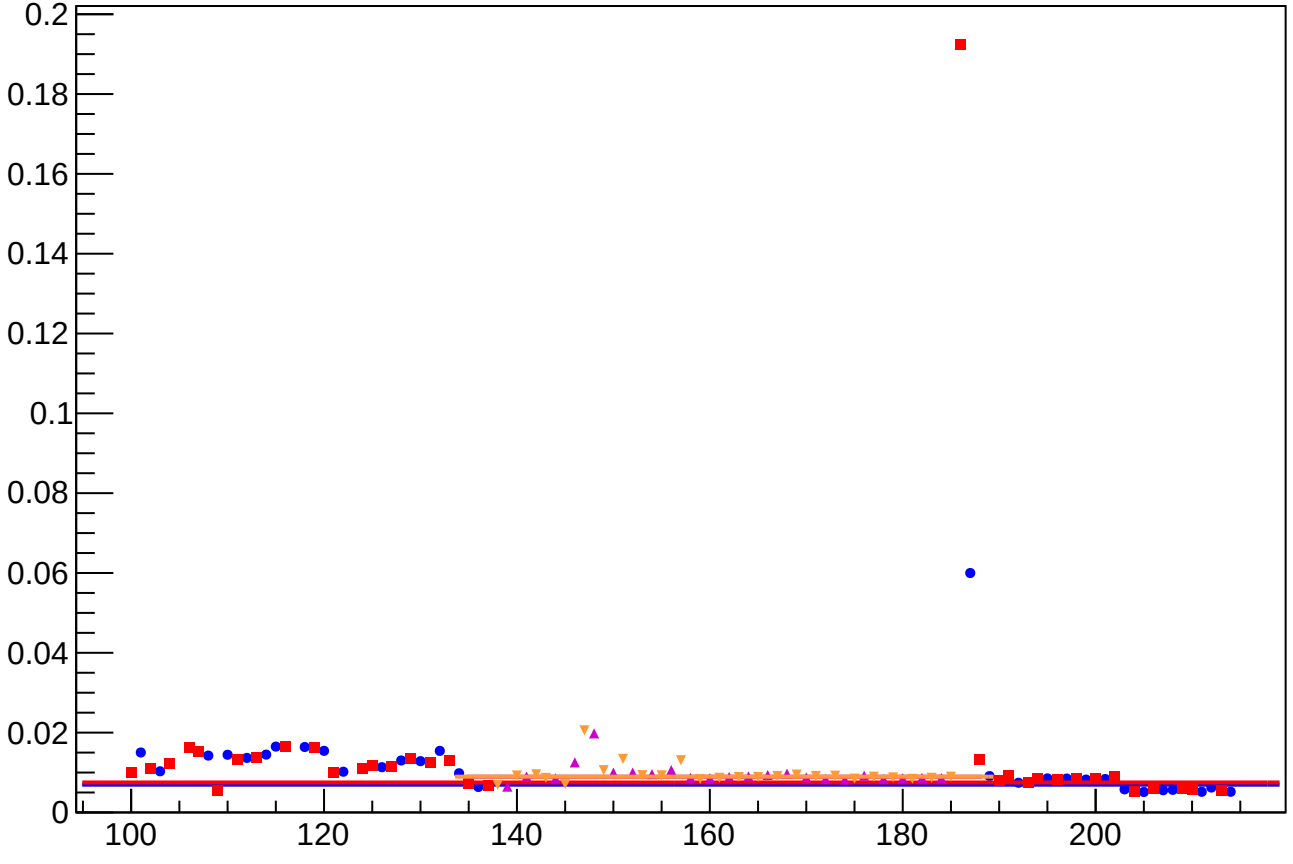
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.101+/-0.000 χ^2/NDF: 142026355426.4/54

All: 1.097+/-0.000 χ^2/NDF: 273144883314.0

- sign 1.093+/-0.000 χ^2/NDF: 131104806750.3/56

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4009864.4/29

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4137154.7/33

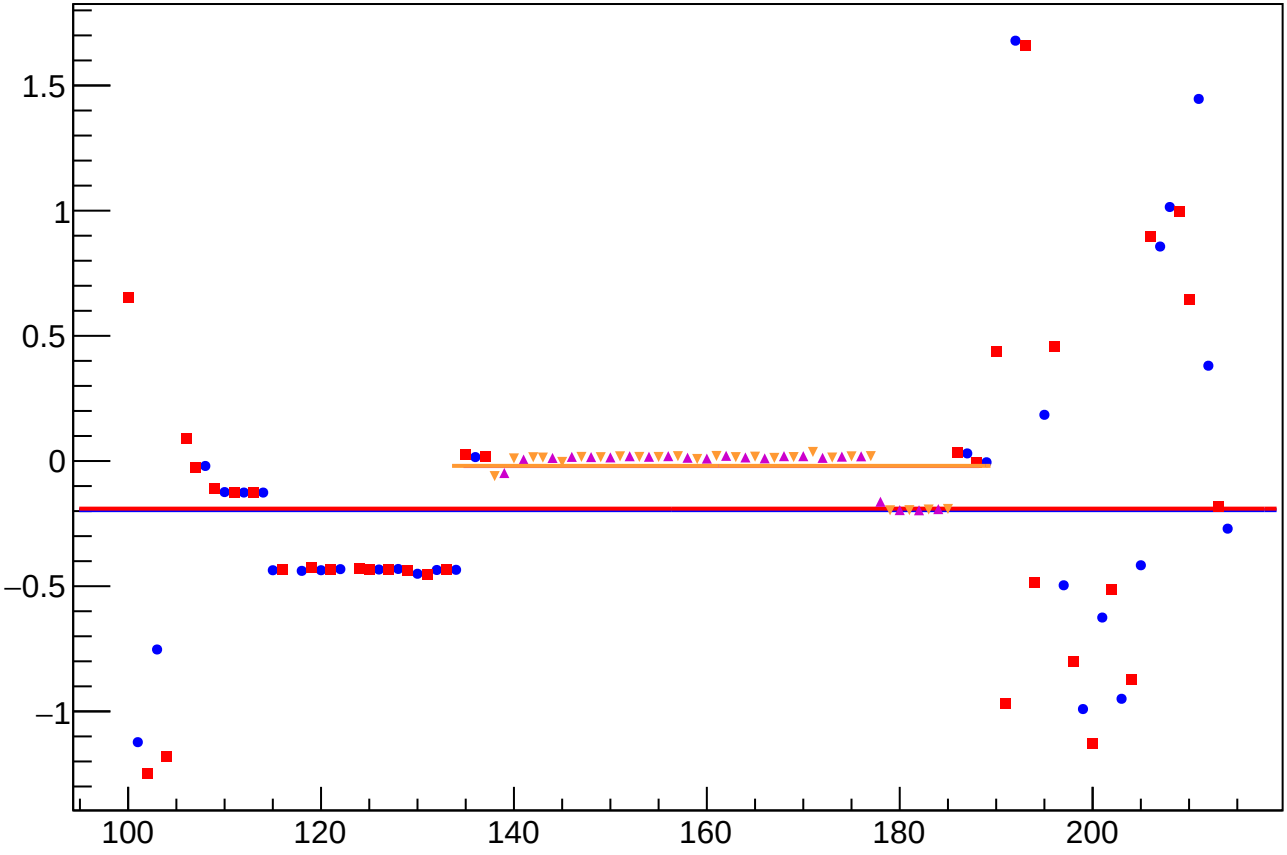
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 6212235.6/54

All: 0.008+/-0.000 χ^2/NDF: 11863011.3/111

- sign 0.008+/-0.000 χ^2/NDF: 5592997.6/56

yield_bpm16X_mean vs Slug



Right In: -0.196+/-0.000 χ^2/NDF: 6045216987.5/29

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4546447973.4/33

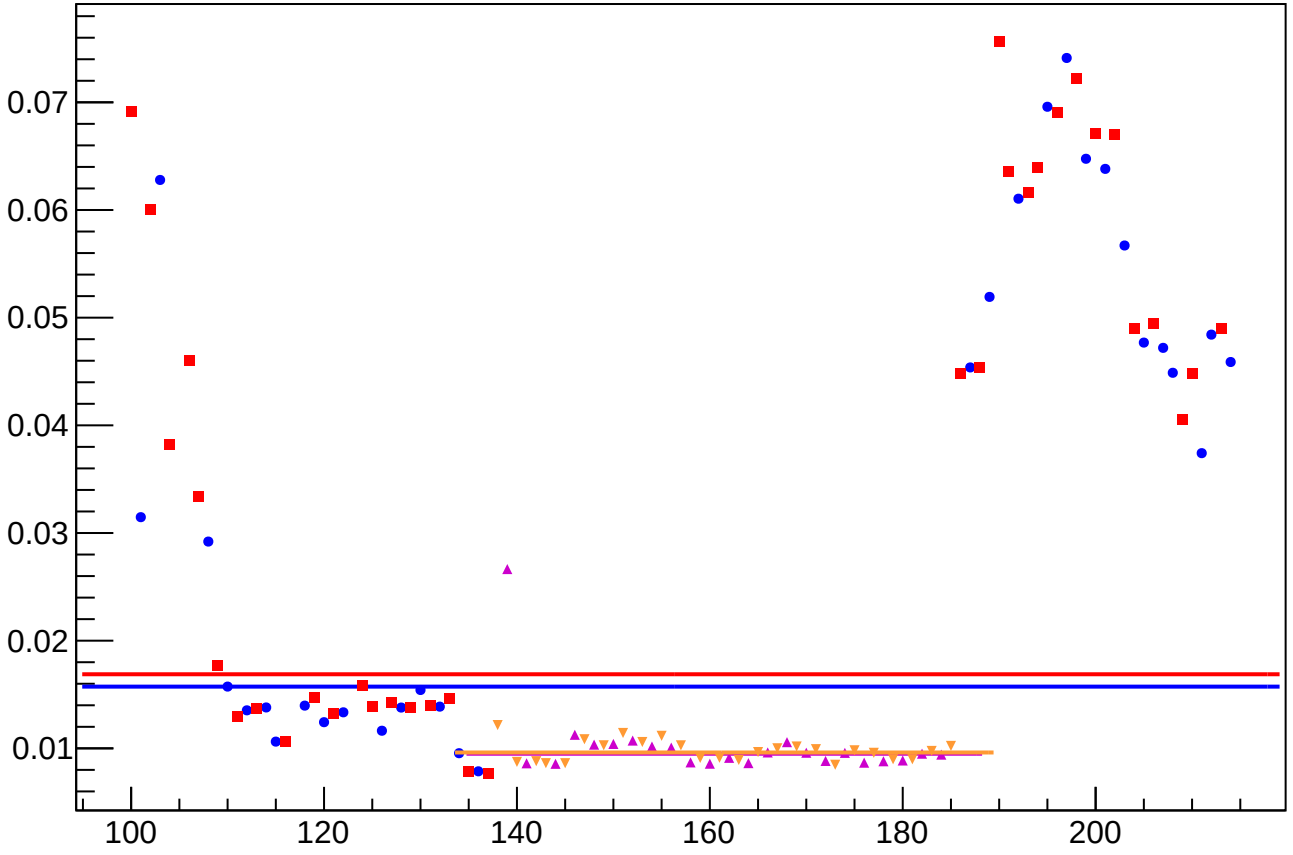
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.051+/-0.000 χ^2/NDF: 8113502053.3/54

All: -0.051+/-0.000 χ^2/NDF: 14495400202.1/

- sign -0.050+/-0.000 χ^2/NDF: 6381560104.4/56

yield_bpm16X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 13541774.7/29

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

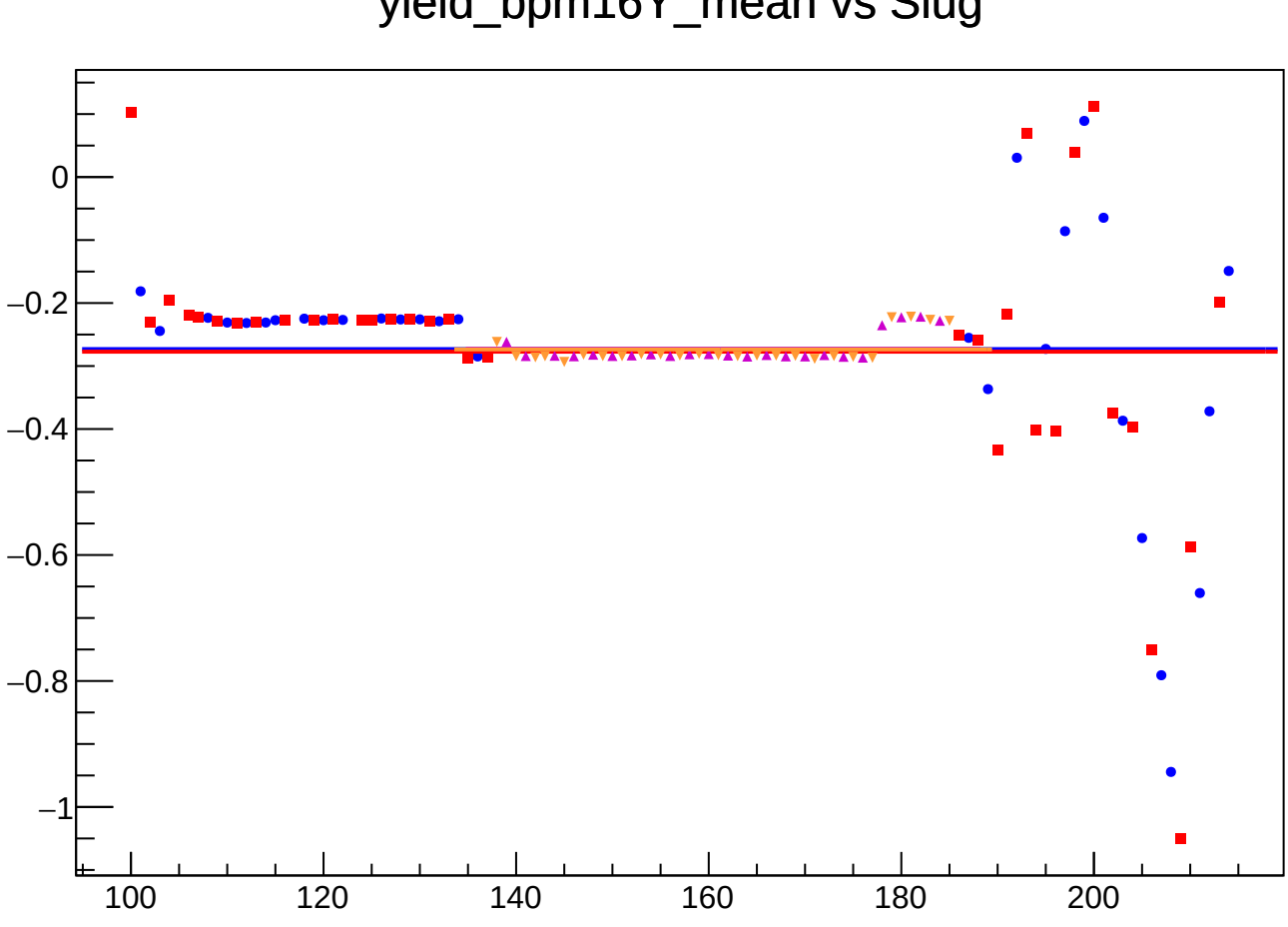
Right Out: 0.017+/-0.000 χ^2/NDF: 14016246.8/33

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 16228331.3/54

All: 0.011+/-0.000 χ^2/NDF: 34351006.0/111

- sign 0.011+/-0.000 χ^2/NDF: 18122032.0/56



Right In: -0.273+/-0.000 χ^2/NDF: 27191425621.2/29

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.277+/-0.000 χ^2/NDF: 27347624174.4/33

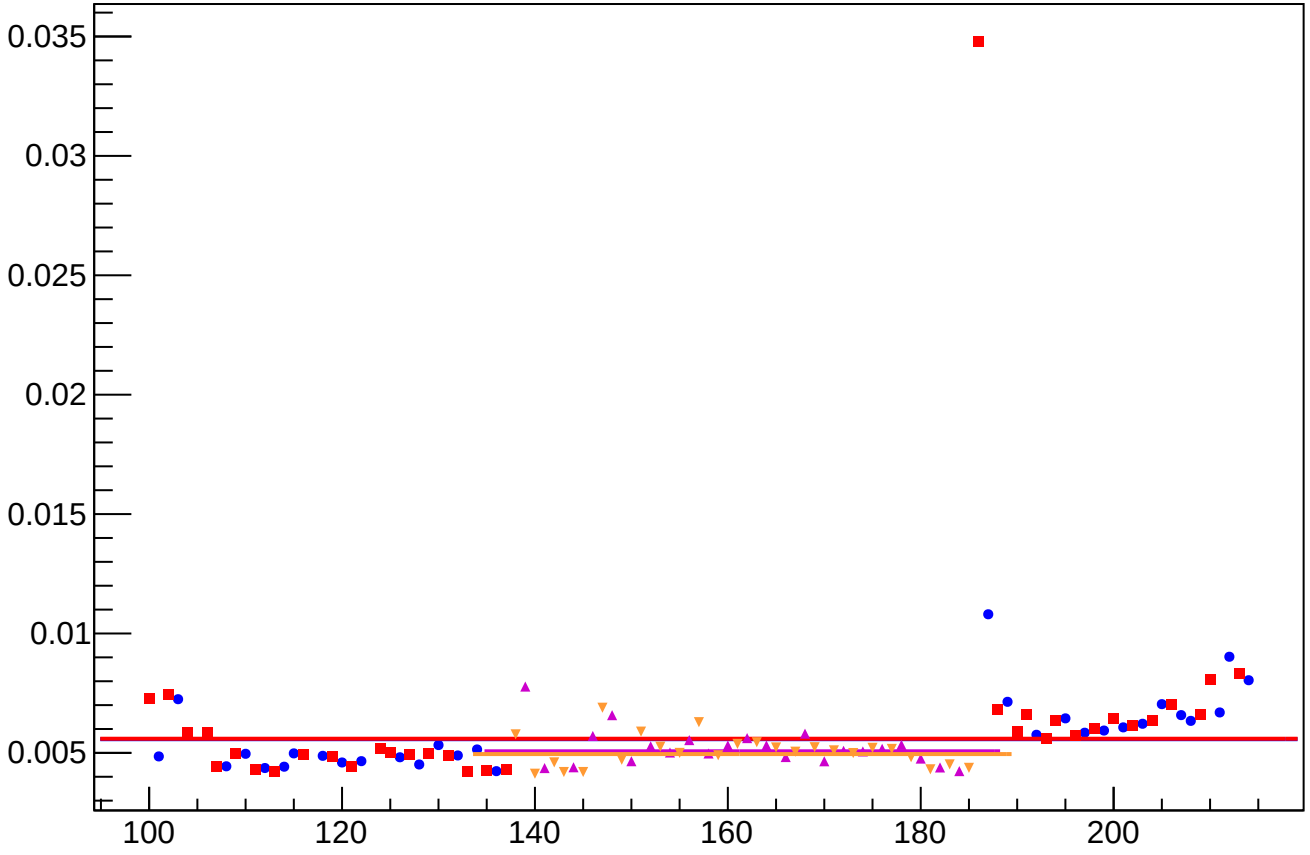
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.273+/-0.000 χ^2/NDF: 27587039377.4/54

All: -0.274+/-0.000 χ^2/NDF: 55277208676.1/

- sign -0.275+/-0.000 χ^2/NDF: 27689088181.9/56

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1324922.3/29

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

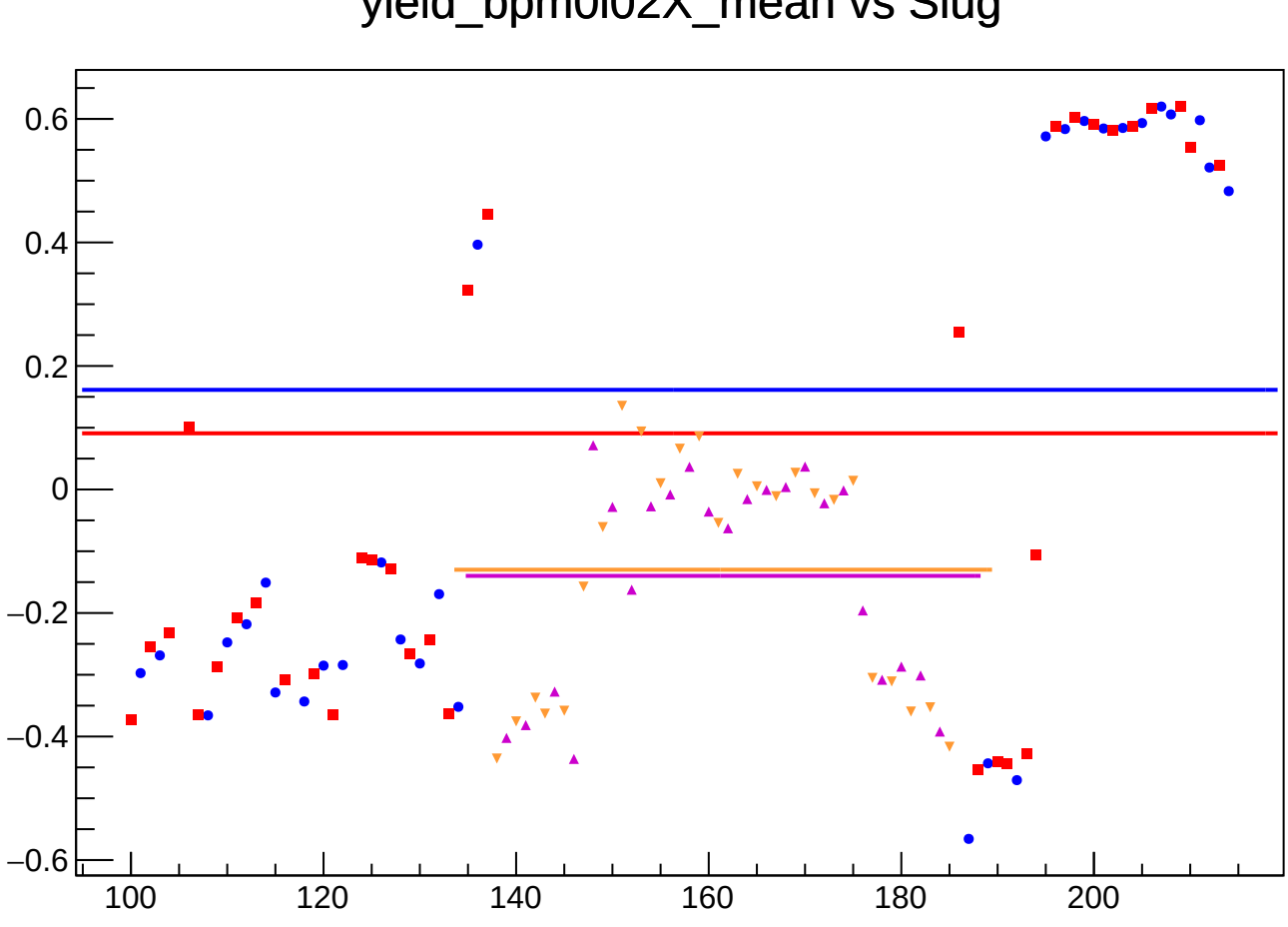
Right Out: 0.006+/-0.000 χ^2/NDF: 1818321.3/33

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 2092384.6/54

All: 0.005+/-0.000 χ^2/NDF: 4625983.0/111

- sign 0.005+/-0.000 χ^2/NDF: 2523107.4/56



Right In: 0.161+/-0.000 χ^2/NDF: 72656341186.2/29

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.091+/-0.000 χ^2/NDF: 71908585461.2/33

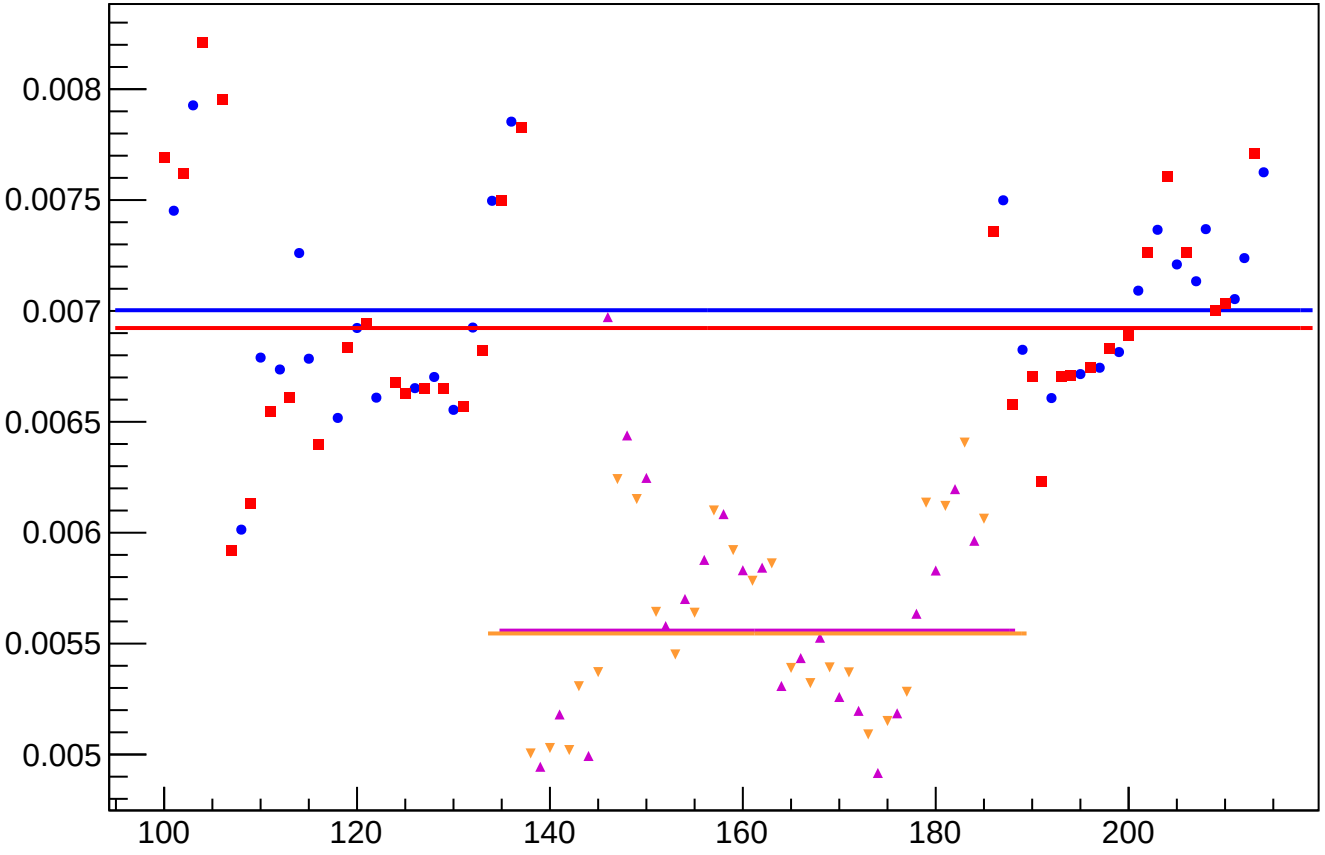
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.019+/-0.000 χ^2/NDF: 113412134170.8/54

All: -0.032+/-0.000 χ^2/NDF: 212988053865.6

- sign -0.045+/-0.000 χ^2/NDF: 99244508186.1/56

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 126526.5/29

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

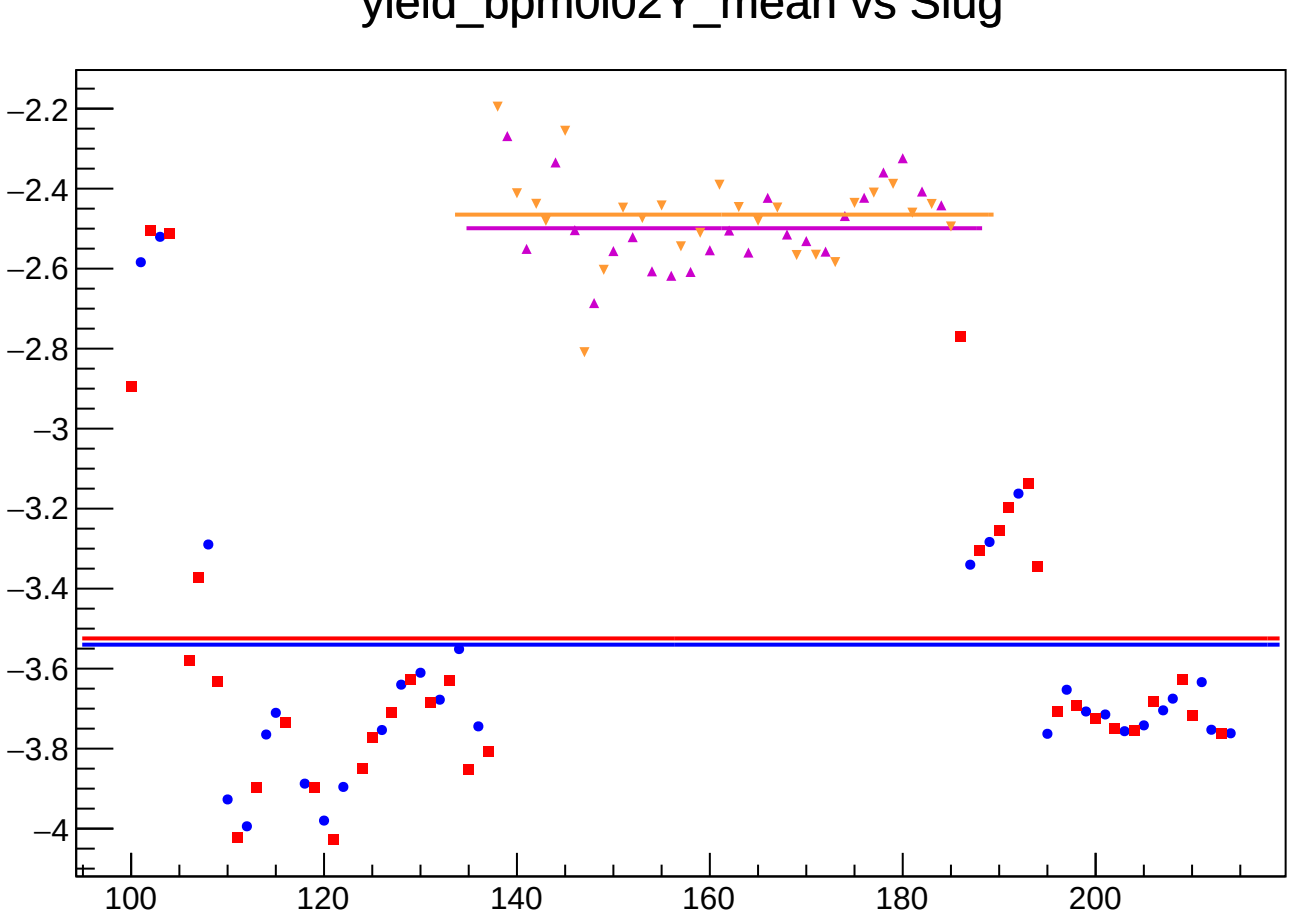
Right Out: 0.007+/-0.000 χ^2/NDF: 162204.8/33

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

\+ sign 0.006+/-0.000 χ^2/NDF: 1293108.9/54

All: 0.006+/-0.000 χ^2/NDF: 2568308.2/111

\- sign 0.006+/-0.000 χ^2/NDF: 1274945.8/56



Right In: -3.540+/-0.000 χ^2/NDF: 33368556790.1/29

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.524+/-0.000 χ^2/NDF: 35202922369.7/33

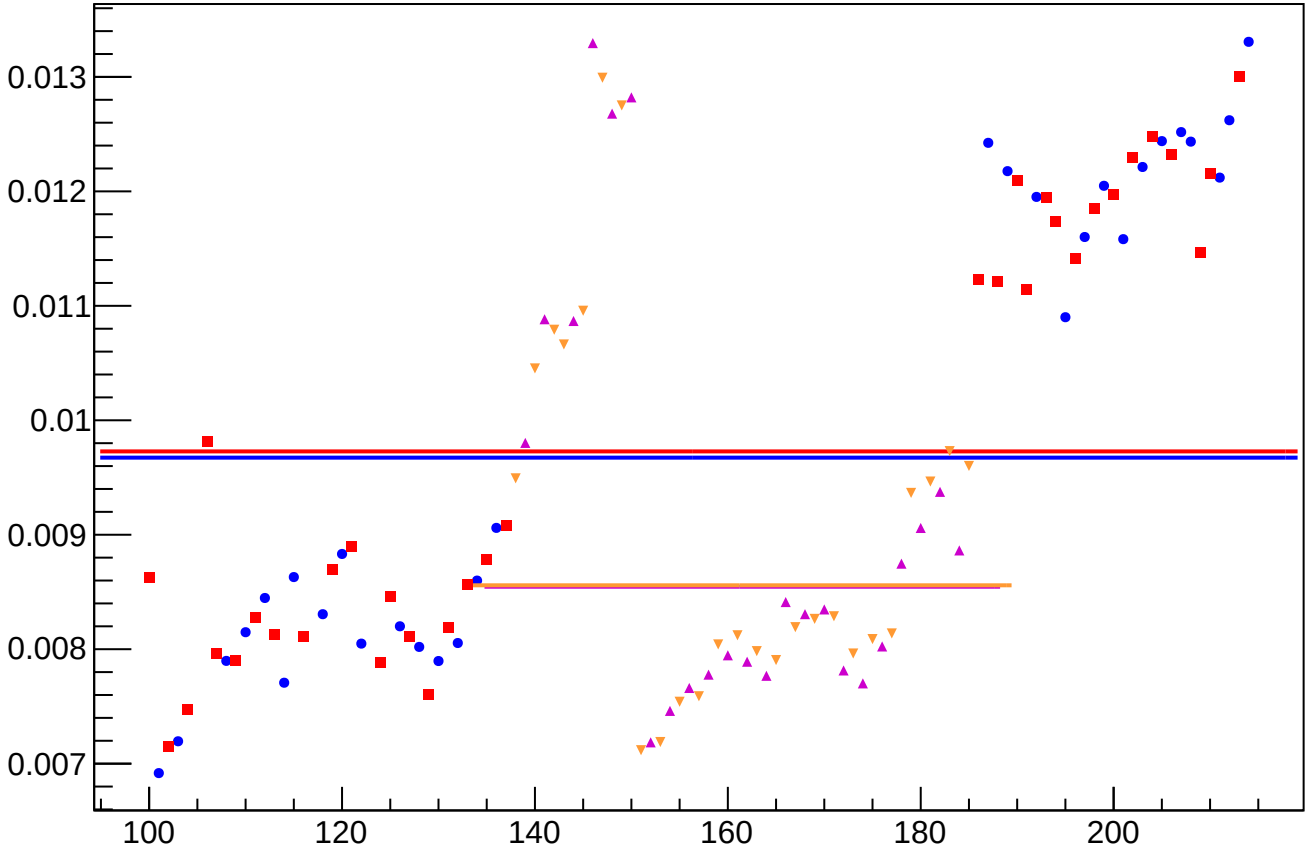
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.923+/-0.000 χ^2/NDF: 157025996061.7/54

All: -2.939+/-0.000 χ^2/NDF: 304354049067.9

- sign -2.956+/-0.000 χ^2/NDF: 147094612002.5/56

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1607247.4/29

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1433555.8/33

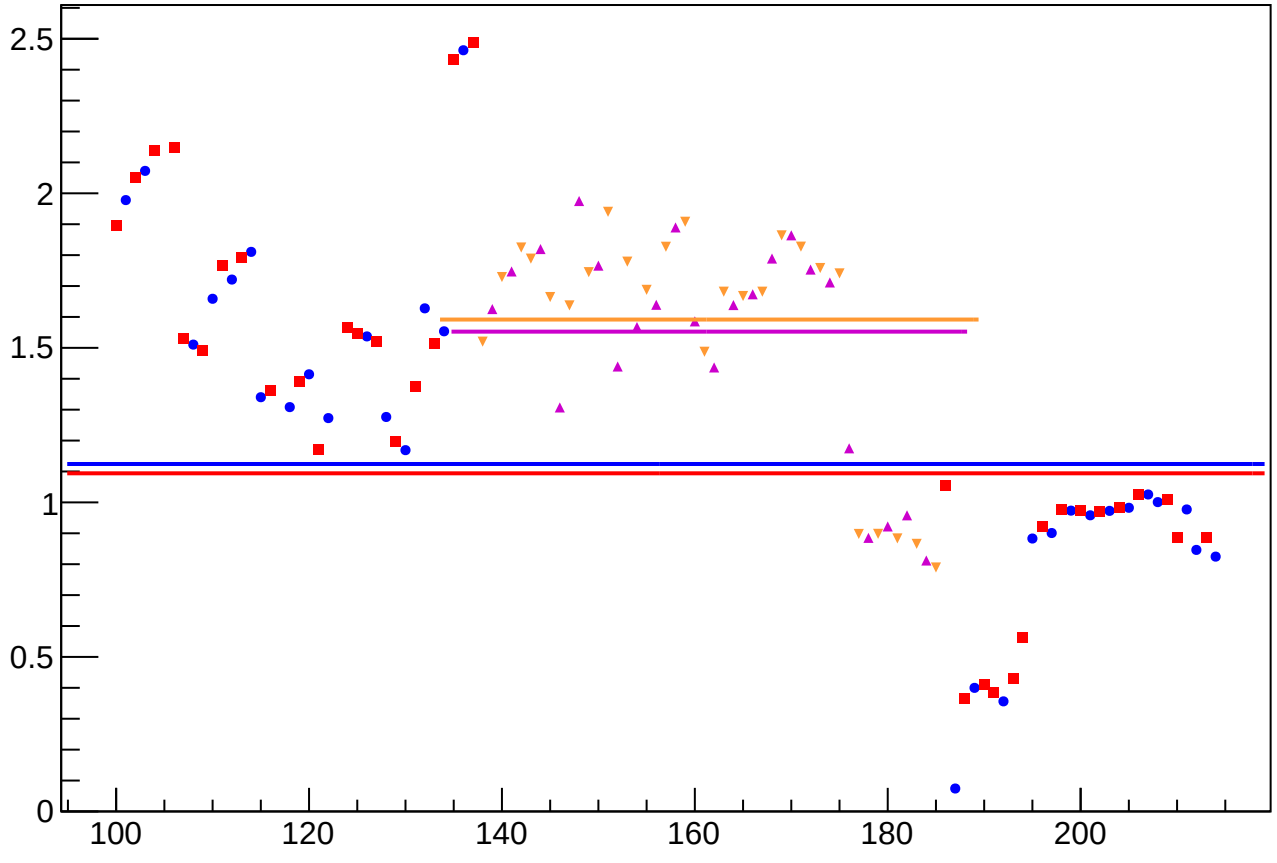
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 2692771.6/54

All: 0.009+/-0.000 χ^2/NDF: 5329140.0/111

- sign 0.009+/-0.000 χ^2/NDF: 2635709.5/56

yield_bpm0i02aX_mean vs Slug



Right In: 1.124+/-0.000 χ^2/NDF: 30423122448.2/29

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.094+/-0.000 χ^2/NDF: 34904193594.7/33

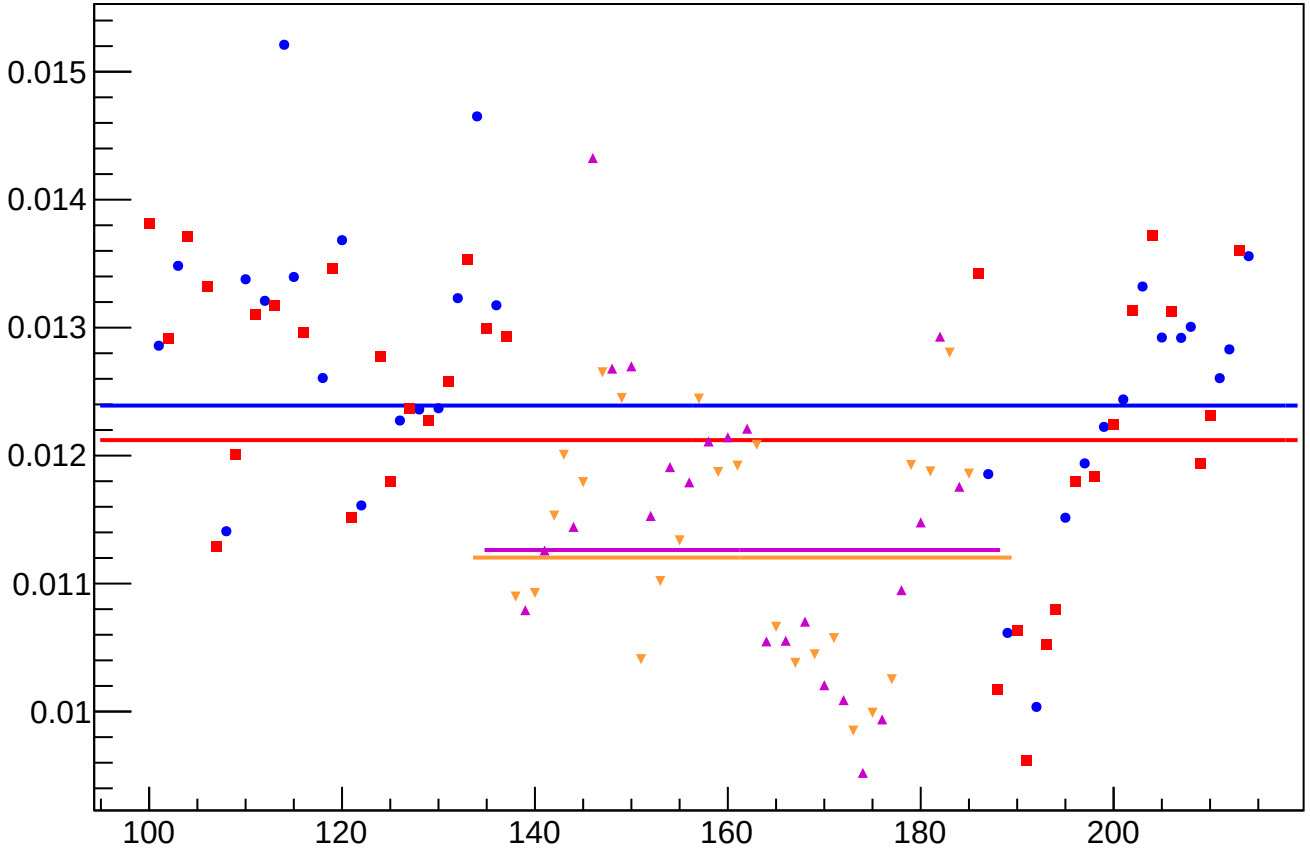
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.385+/-0.000 χ^2/NDF: 61674911261.6/54

All: 1.359+/-0.000 χ^2/NDF: 124705785121.2

- sign 1.333+/-0.000 χ^2/NDF: 62676250204.7/56

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 250729.5/29

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

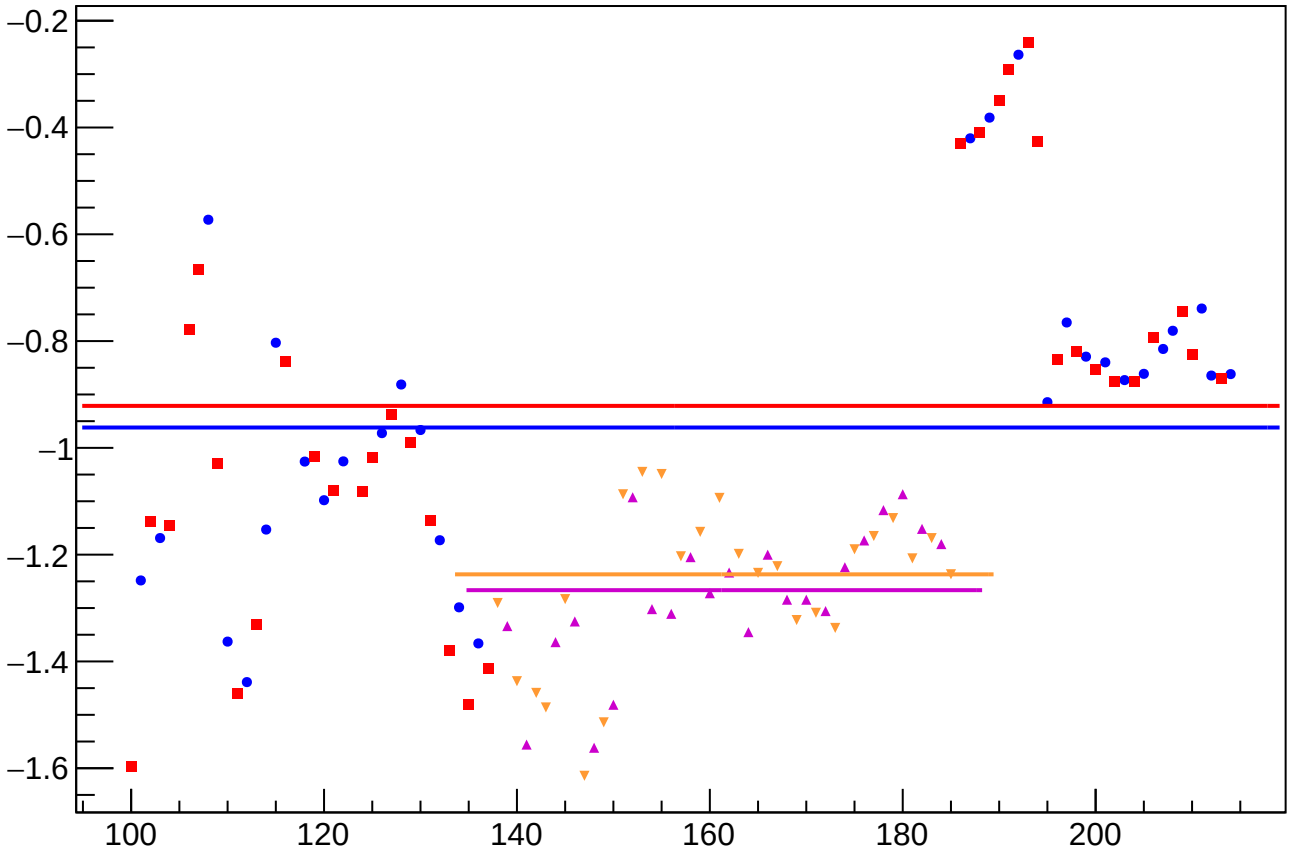
Right Out: 0.012+/-0.000 χ^2/NDF: 325998.2/33

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

\+ sign 0.012+/-0.000 χ^2/NDF: 657453.4/54

All: 0.012+/-0.000 χ^2/NDF: 1392182.1/111

\- sign 0.012+/-0.000 χ^2/NDF: 733946.9/56



Right In: -0.962+/-0.000 χ^2/NDF: 12477801220.4/29

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.921+/-0.000 χ^2/NDF: 16974349623.0/33

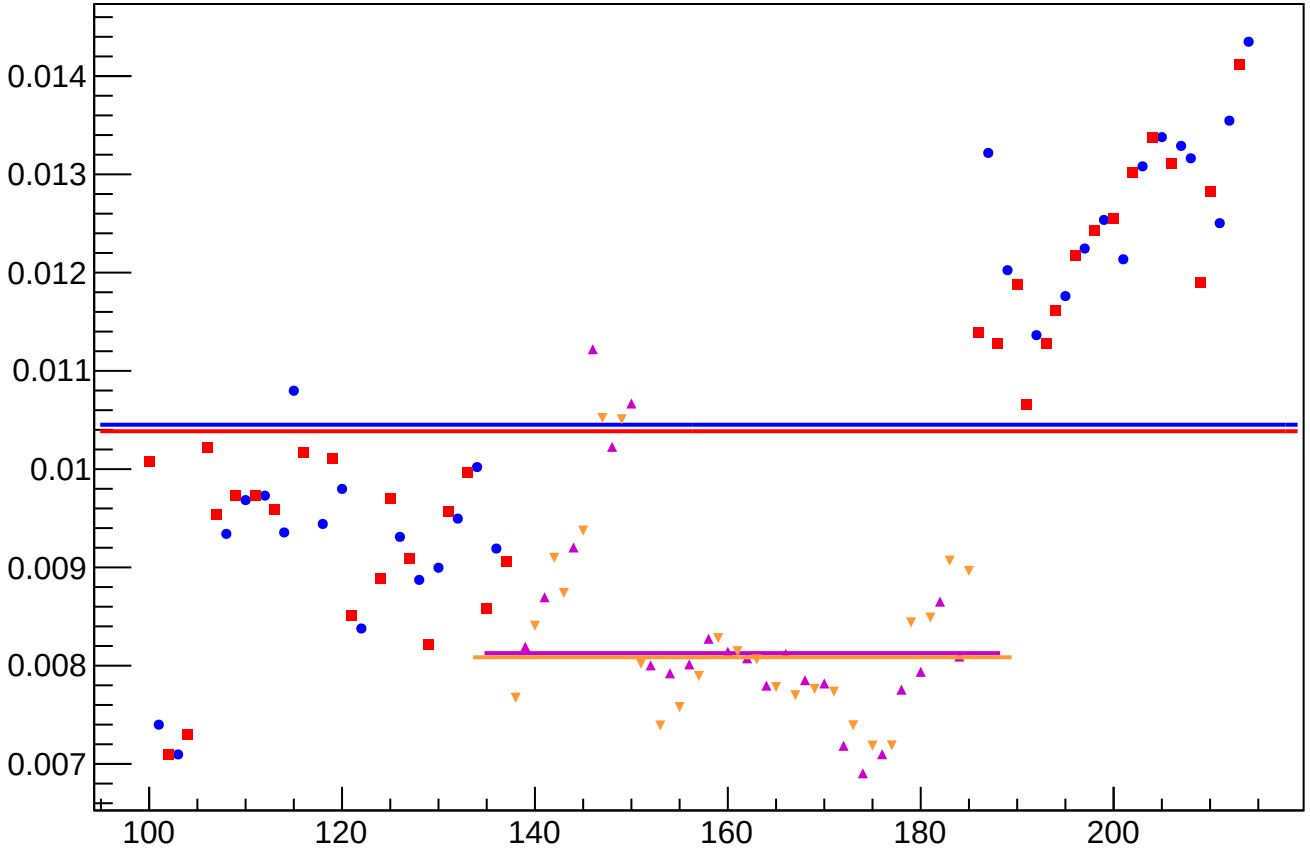
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.138+/-0.000 χ^2/NDF: 24998192109.3/54

All: -1.135+/-0.000 χ^2/NDF: 57618669224.2/

- sign -1.133+/-0.000 χ^2/NDF: 32615502627.6/56

yield_bpm0i02aY_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1400112.7/29

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

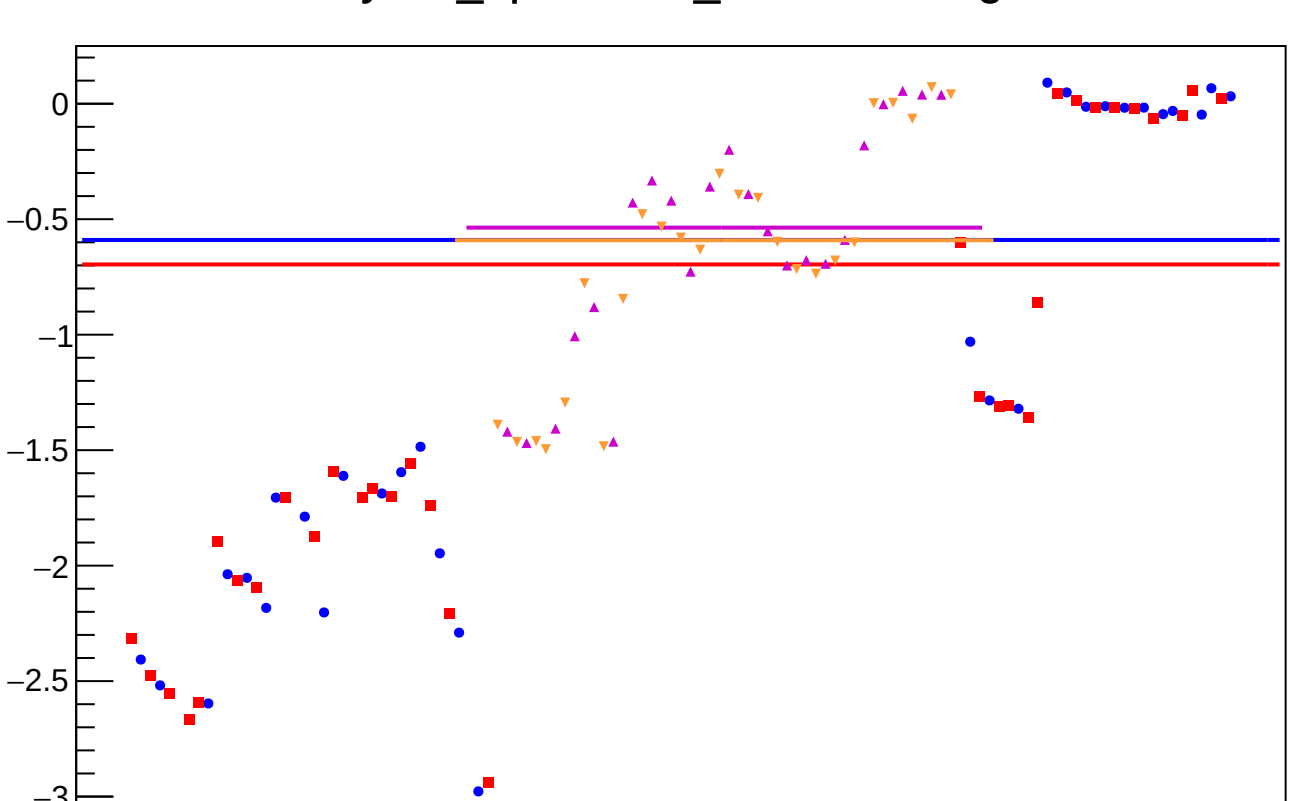
Right Out: 0.010+/-0.000 χ^2/NDF: 1285475.6/33

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 2845080.9/54

All: 0.009+/-0.000 χ^2/NDF: 5565709.1/111

- sign 0.009+/-0.000 χ^2/NDF: 2718934.9/56



Right In: -0.590+/-0.000 χ^2/NDF: 404768720414.0/29

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.696+/-0.000 χ^2/NDF: 429475885817.6/33

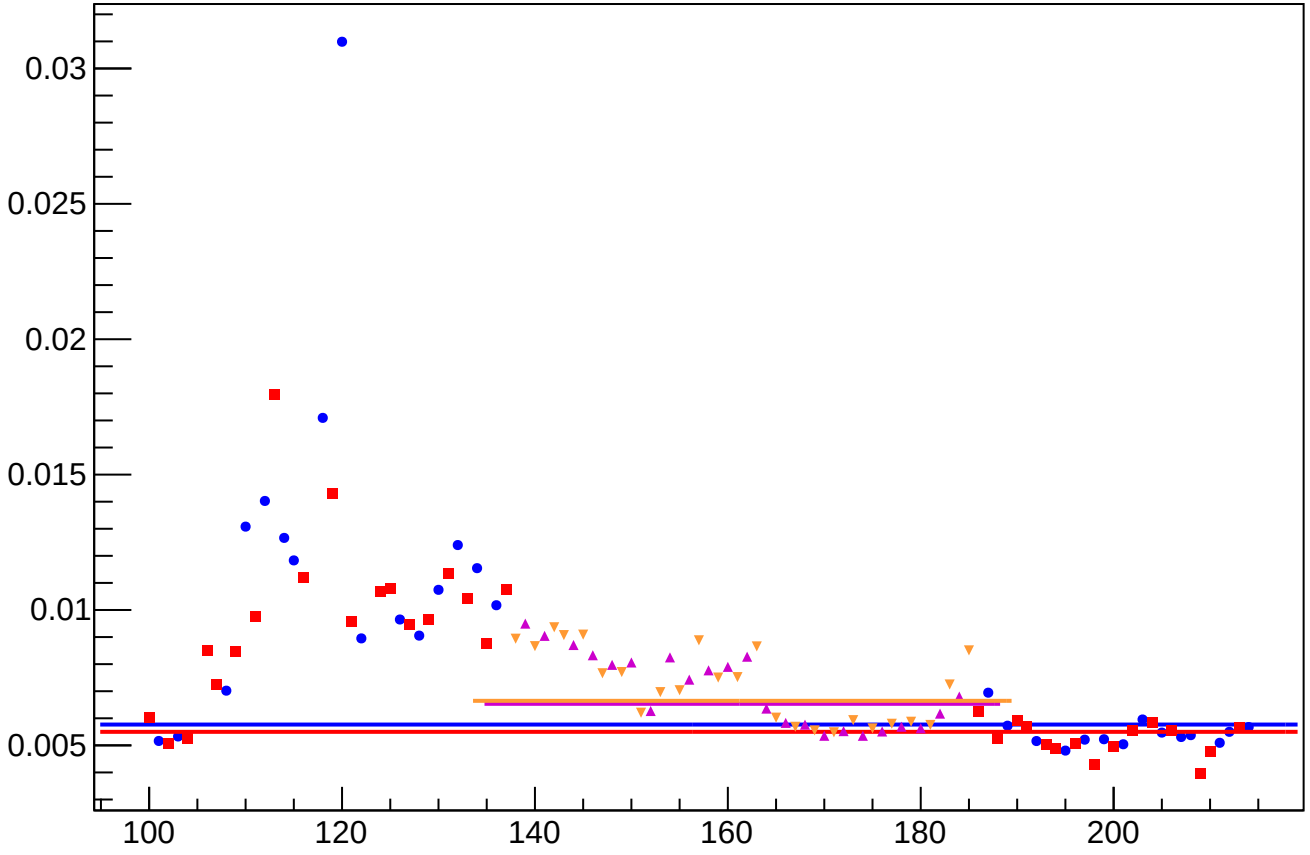
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.590+/-0.000 χ^2/NDF: 477447967542.2/54

All: -0.610+/-0.000 χ^2/NDF: 983213982178.3

- sign -0.629+/-0.000 χ^2/NDF: 505126579963.7/56

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2542072.5/29

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

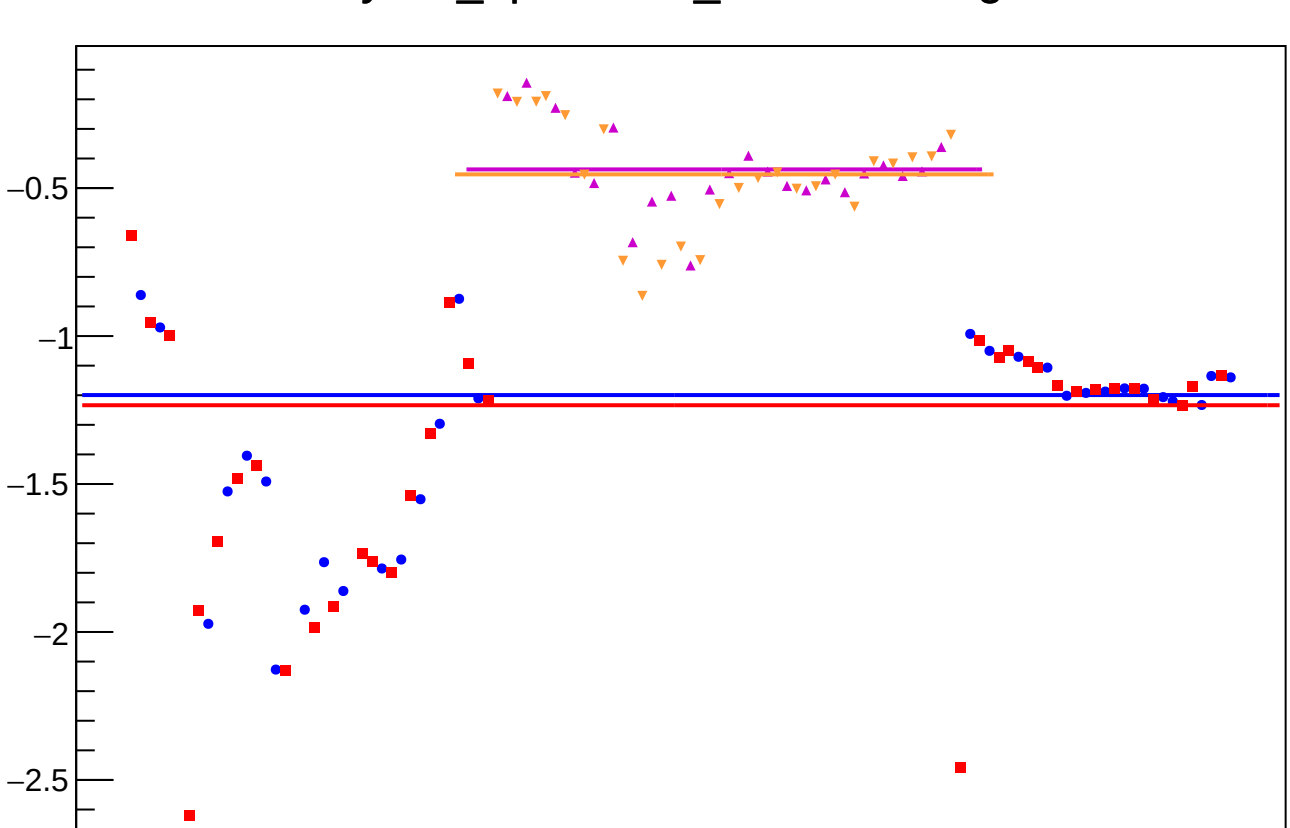
Right Out: 0.005+/-0.000 χ^2/NDF: 2676440.8/33

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3950328.8/54

All: 0.006+/-0.000 χ^2/NDF: 8287405.4/111

- sign 0.006+/-0.000 χ^2/NDF: 4289498.3/56



Right In: -1.199+/-0.000 χ^2/NDF: 27474060336.5/29

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72815210638.7/33

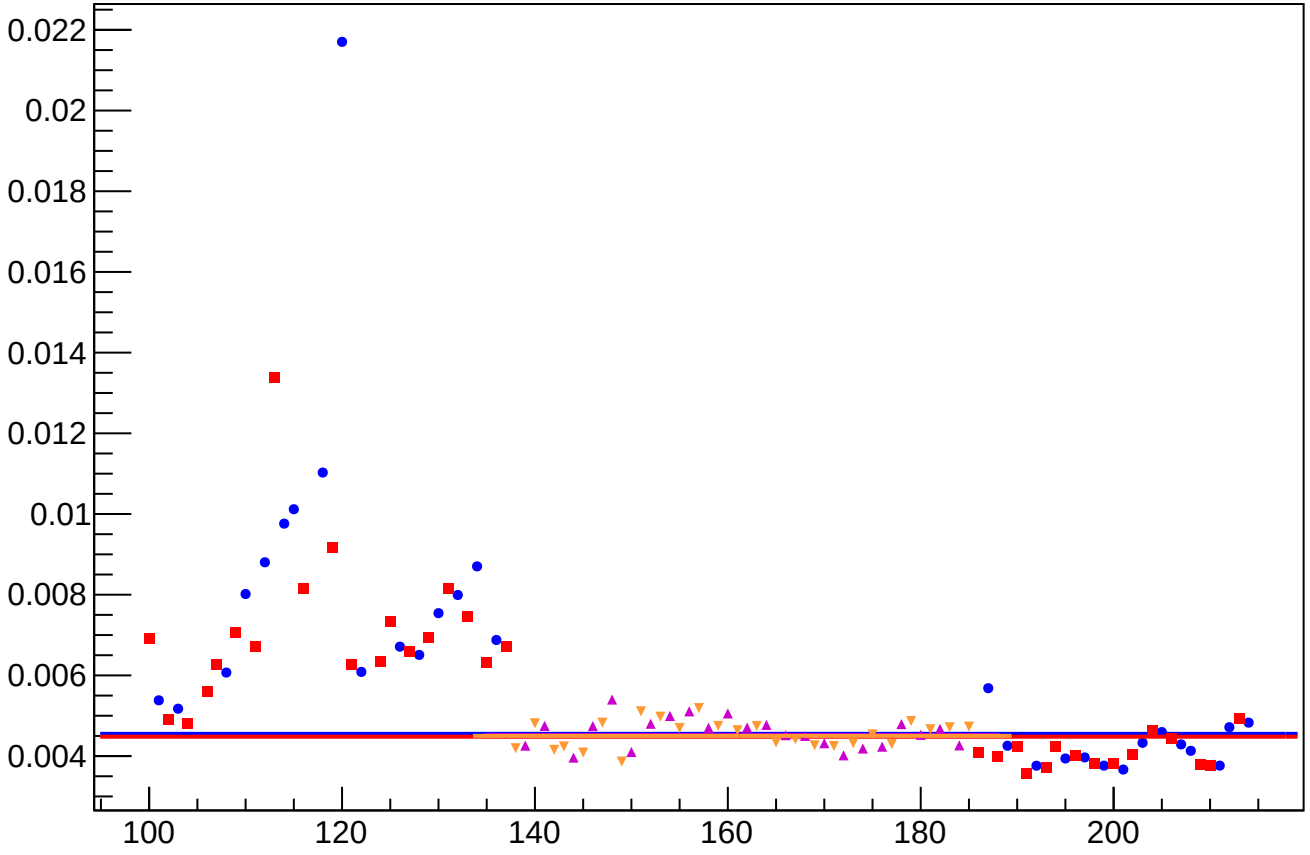
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.794+/-0.000 χ^2/NDF: 277389106700.8/54

All: -0.812+/-0.000 χ^2/NDF: 622918572212.0

- sign -0.830+/-0.000 χ^2/NDF: 344509138831.3/56

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2252584.4/29

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

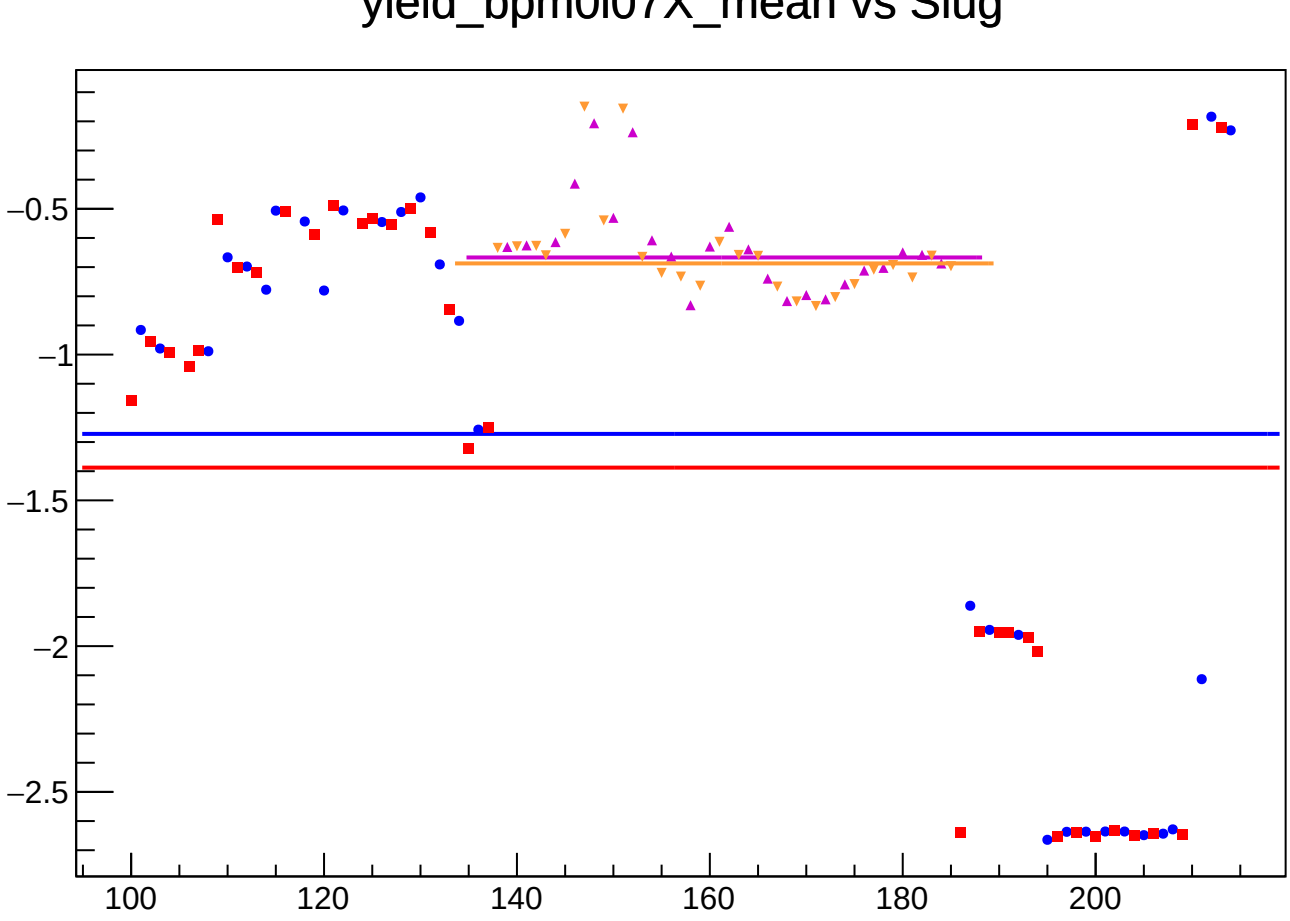
Right Out: 0.004+/-0.000 χ^2/NDF: 1979989.0/33

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2443851.1/54

All: 0.005+/-0.000 χ^2/NDF: 4638046.9/111

- sign 0.005+/-0.000 χ^2/NDF: 2193327.4/56



Right In: -1.272+/-0.000 χ^2/NDF: 530495507819.1/29

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.388+/-0.000 χ^2/NDF: 654326589683.0/33

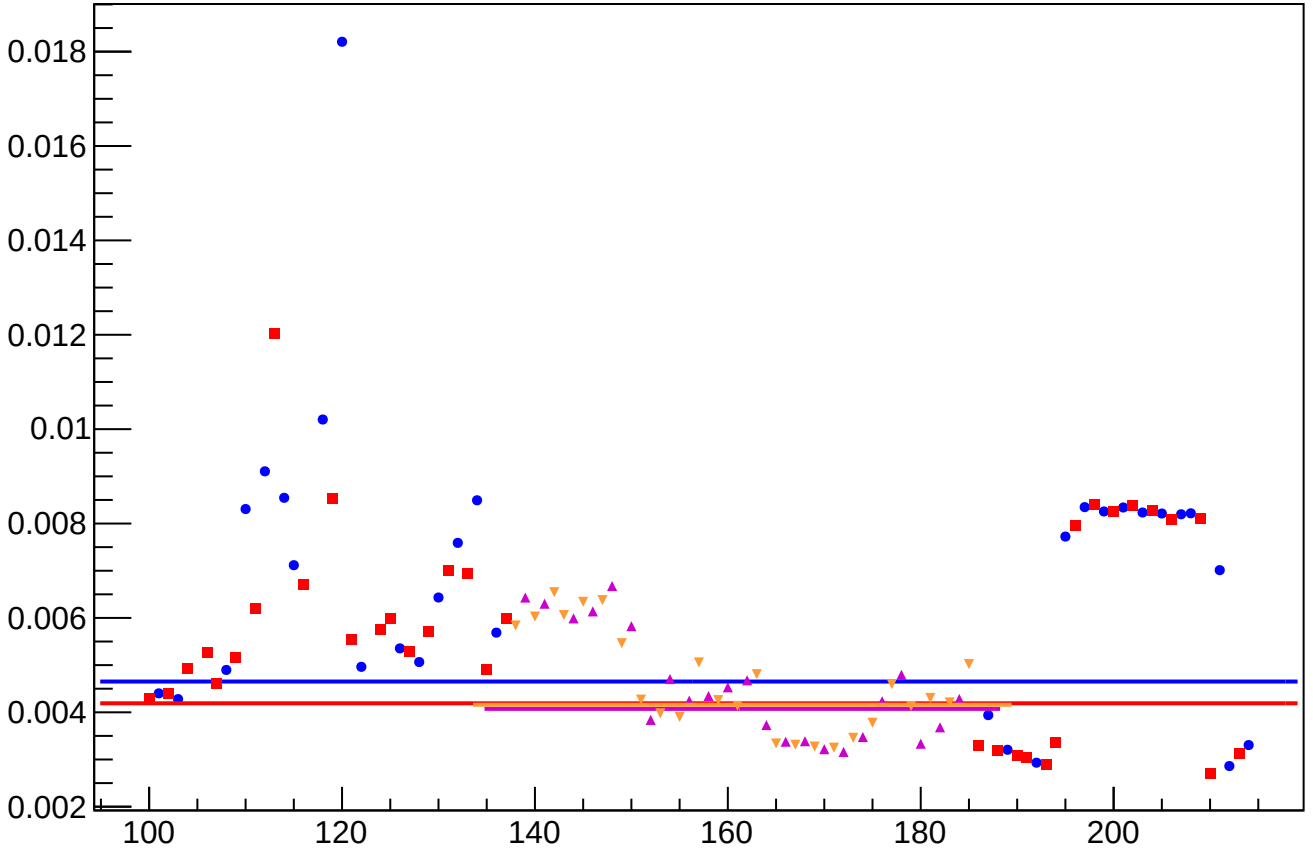
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.922+/-0.000 χ^2/NDF: 685514246351.7/54

All: -0.965+/-0.000 χ^2/NDF: 1599421431886

- sign -1.004+/-0.000 χ^2/NDF: 908224666454.7/56

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 5706420.6/29

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

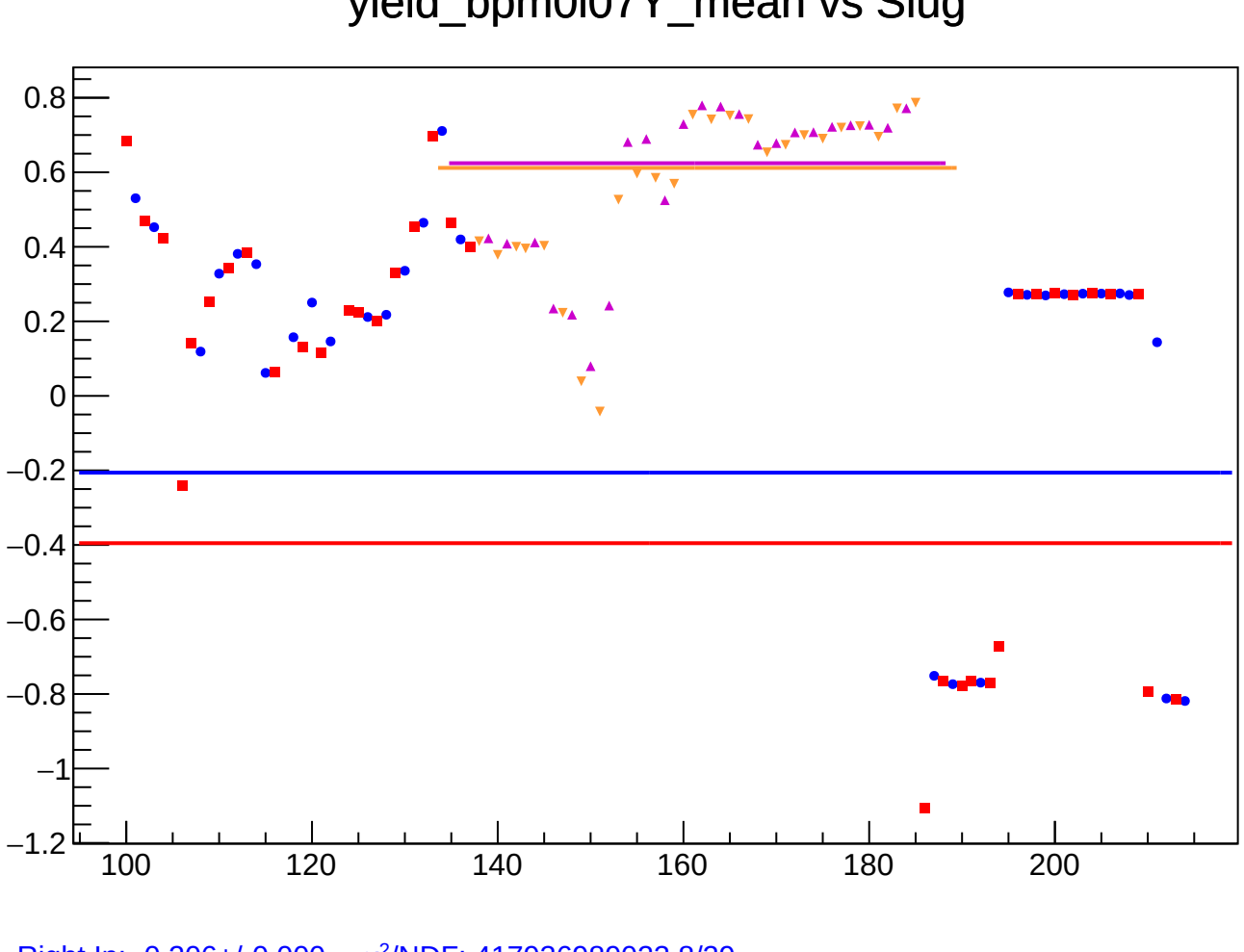
Right Out: 0.004+/-0.000 χ^2/NDF: 5565335.0/33

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7413834.0/54

All: 0.004+/-0.000 χ^2/NDF: 14831571.6/111

- sign 0.004+/-0.000 χ^2/NDF: 7328105.4/56



Right In: -0.206+/-0.000 χ^2/NDF: 417936989023.8/29

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.395+/-0.000 χ^2/NDF: 558043052673.3/33

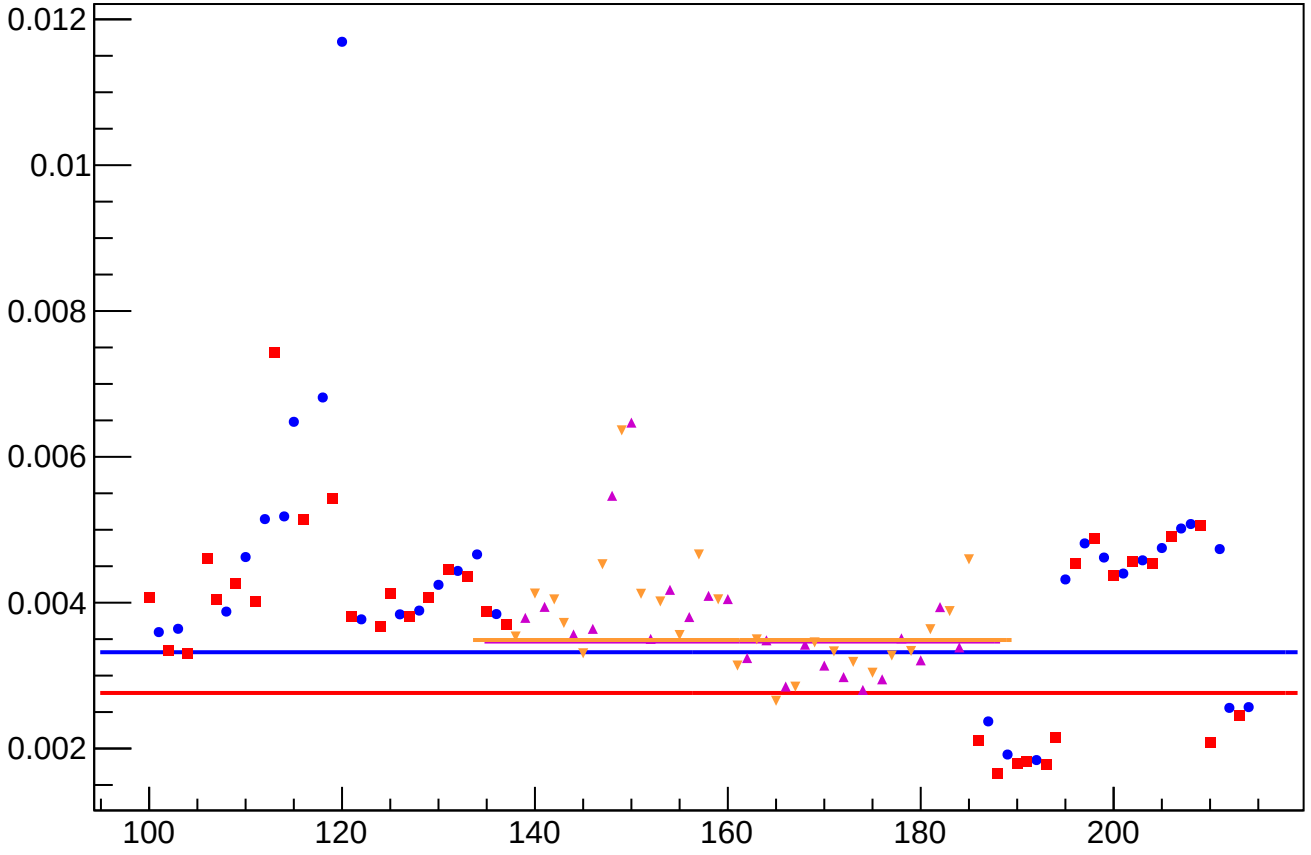
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.198+/-0.000 χ^2/NDF: 909904986107.9/54

All: 0.095+/-0.000 χ^2/NDF: 2355318220252.

- sign 0.009+/-0.000 χ^2/NDF: 1393408941964.7/56

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4178411.1/29

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

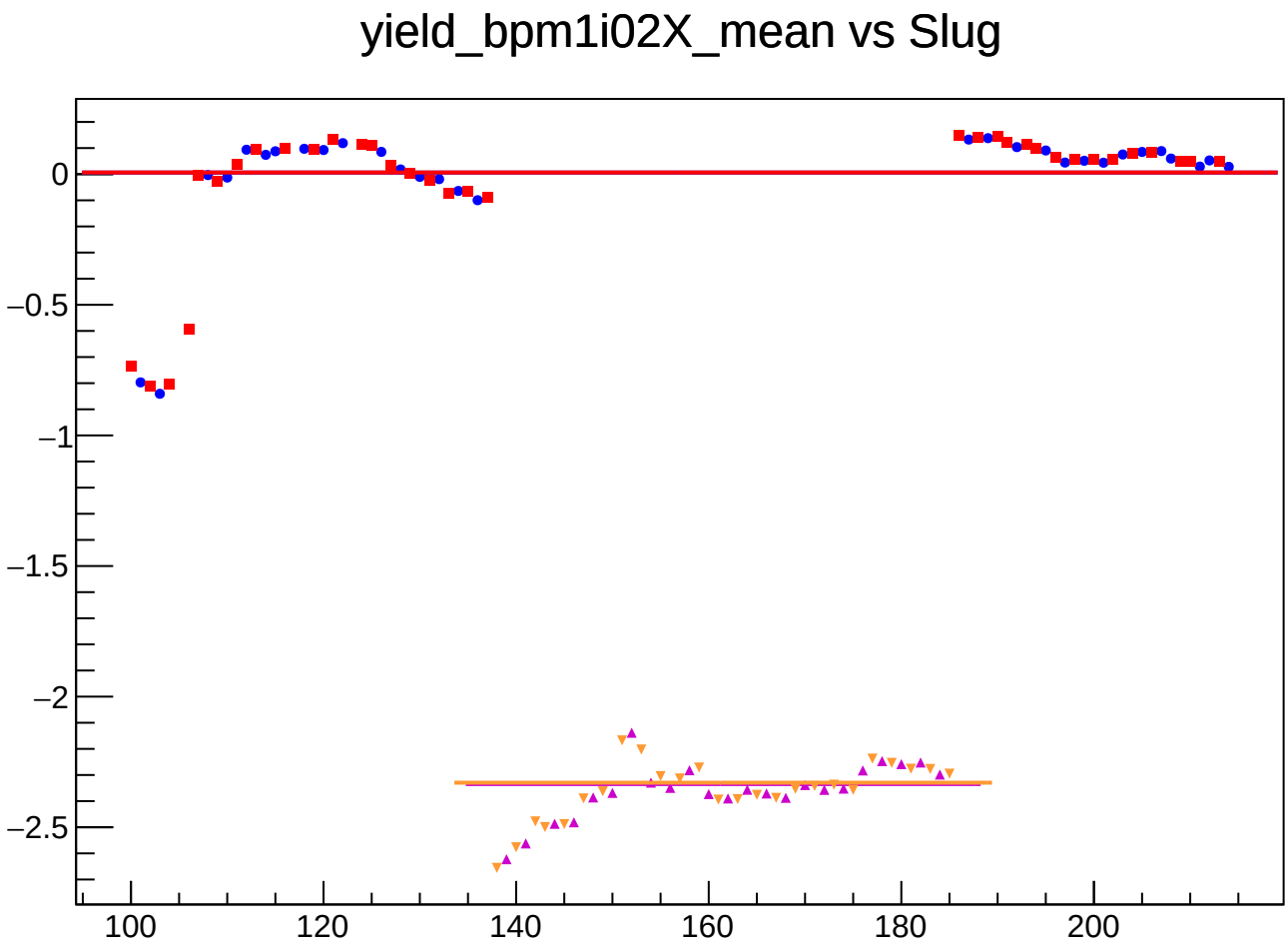
Right Out: 0.003+/-0.000 χ^2/NDF: 5432406.5/33

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 5066544.4/54

All: 0.003+/-0.000 χ^2/NDF: 12534439.9/111

- sign 0.003+/-0.000 χ^2/NDF: 7086616.3/56



Right In: 0.006+/-0.000 χ^2/NDF: 6568975503.9/29

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7837209775.7/33

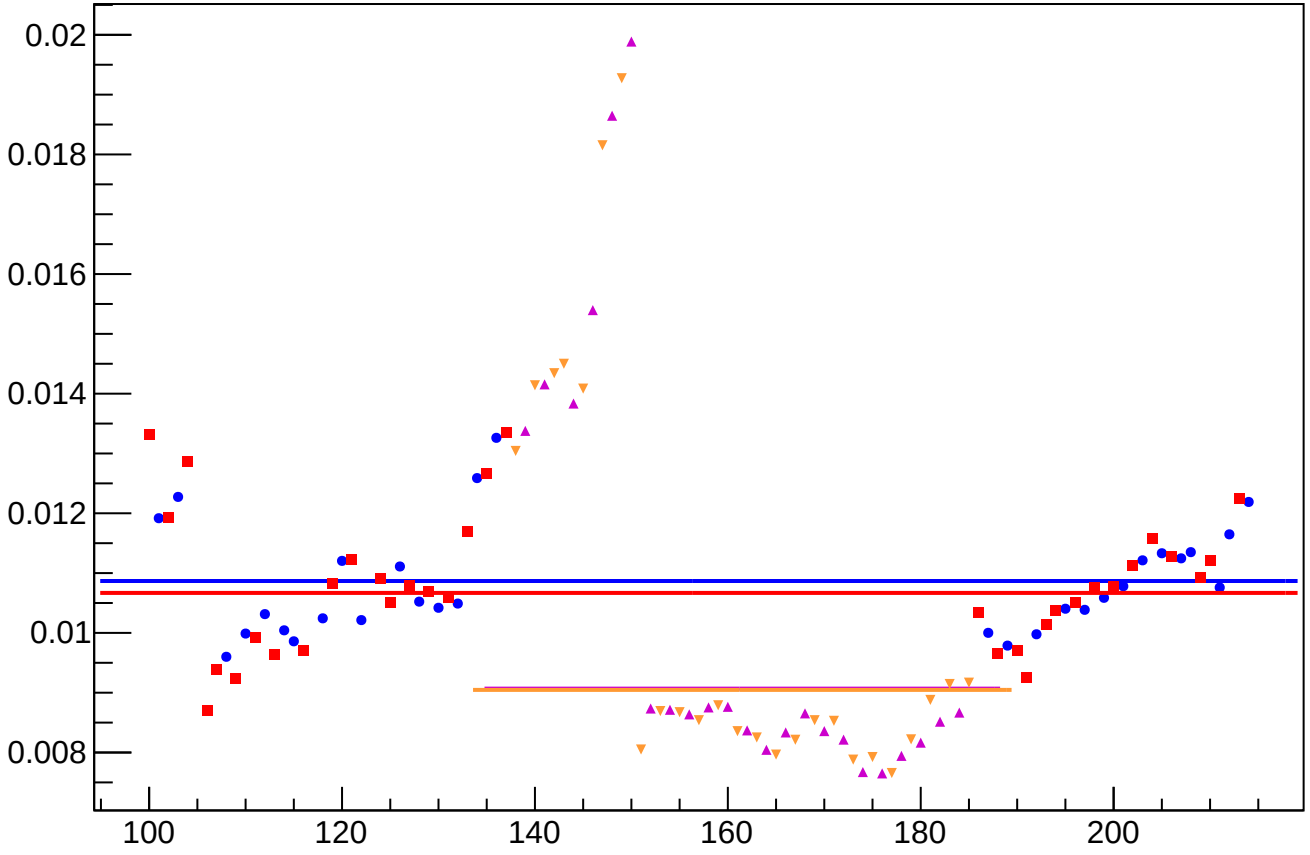
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.376+/-0.000 χ^2/NDF: 503061466750.9/54

All: -1.339+/-0.000 χ^2/NDF: 1018277088254

- sign -1.302+/-0.000 χ^2/NDF: 514167976483.9/56

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 213963.4/29

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

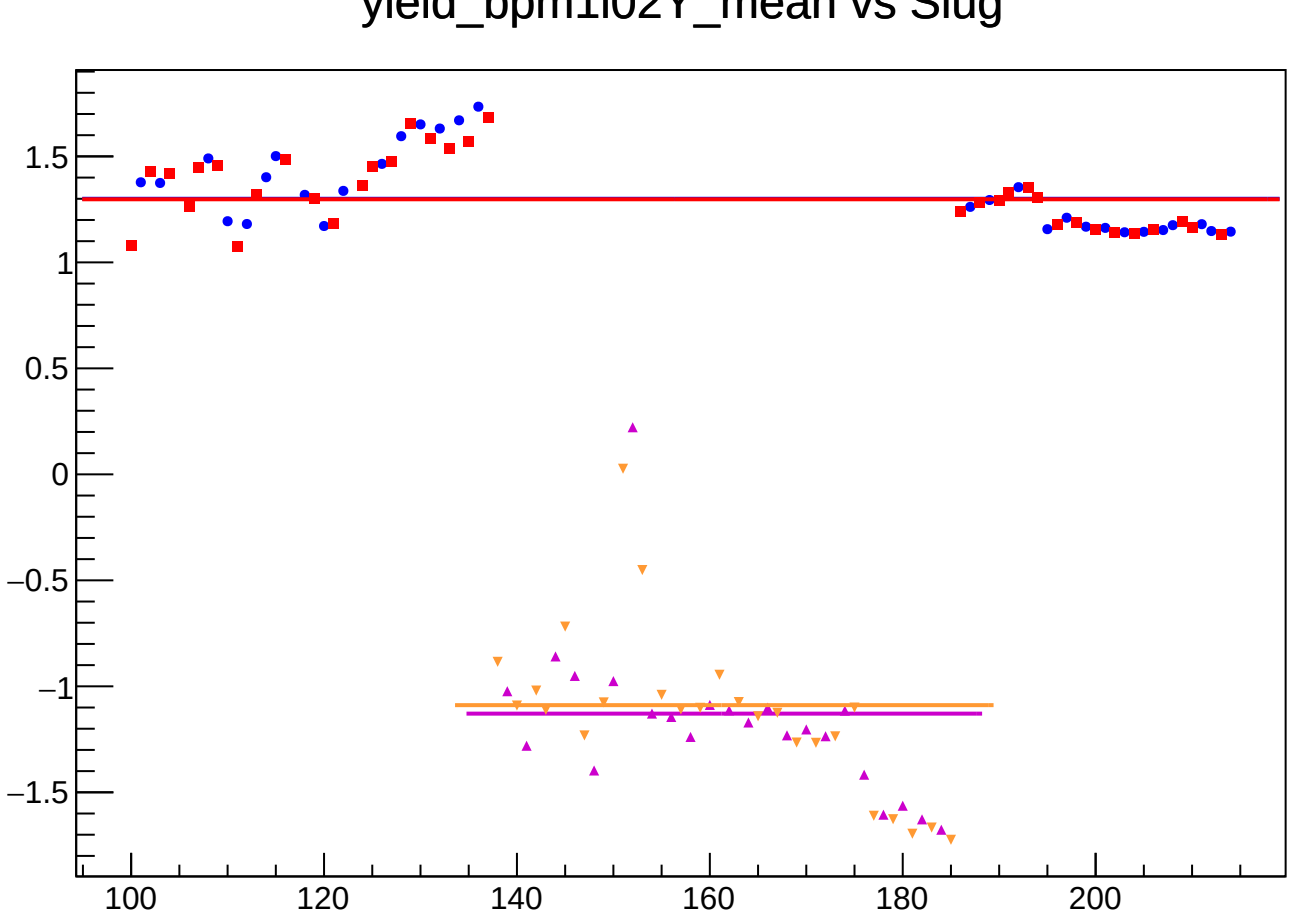
Right Out: 0.011+/-0.000 χ^2/NDF: 291101.6/33

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2863816.1/54

All: 0.010+/-0.000 χ^2/NDF: 5760830.1/111

- sign 0.010+/-0.000 χ^2/NDF: 2896922.4/56



Right In: 1.300+/-0.000 χ^2/NDF: 9184870318.7/29

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 7100503745.6/33

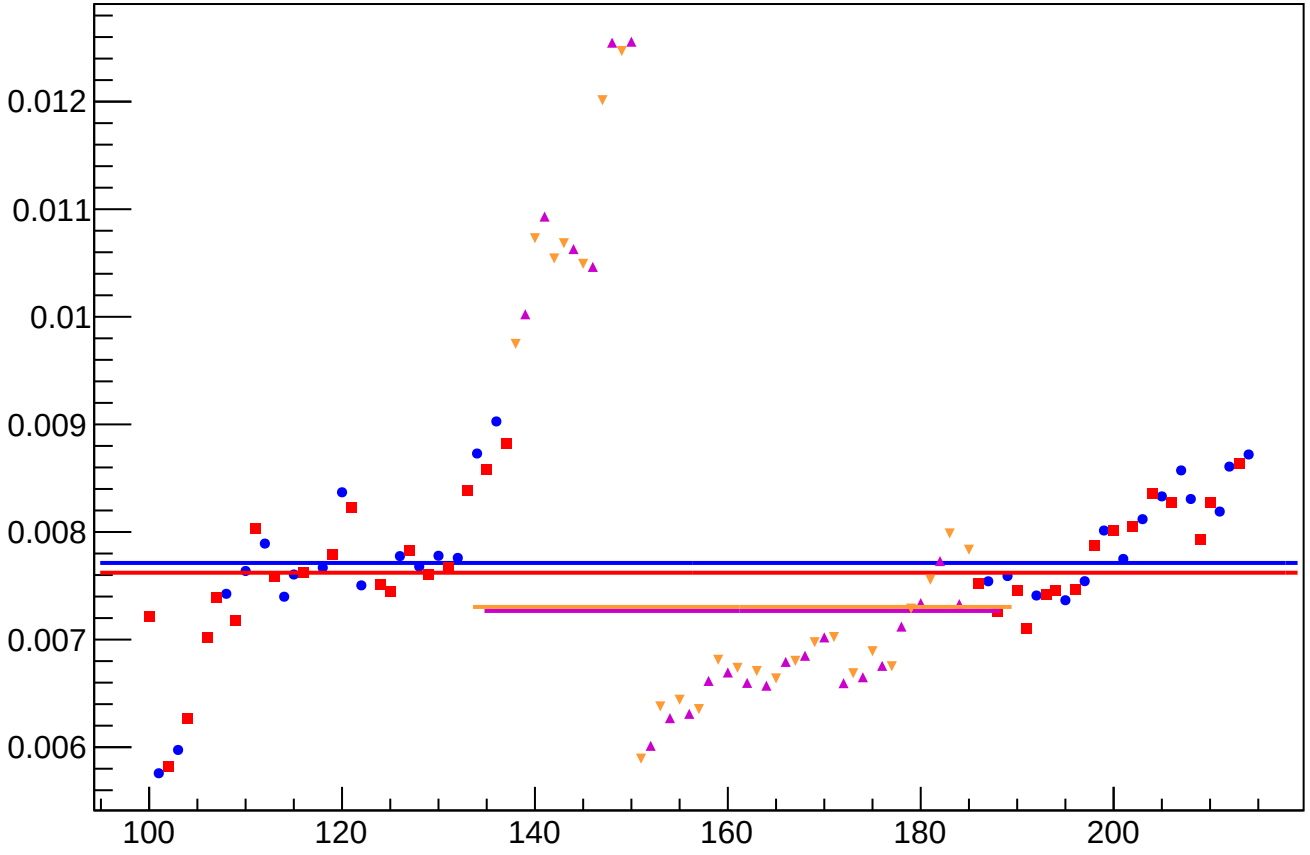
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.025+/-0.000 χ^2/NDF: 992214132122.0/54

All: 0.048+/-0.000 χ^2/NDF: 2021707470708.

- sign 0.071+/-0.000 χ^2/NDF: 1028824123552.0/56

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 402913.4/29

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

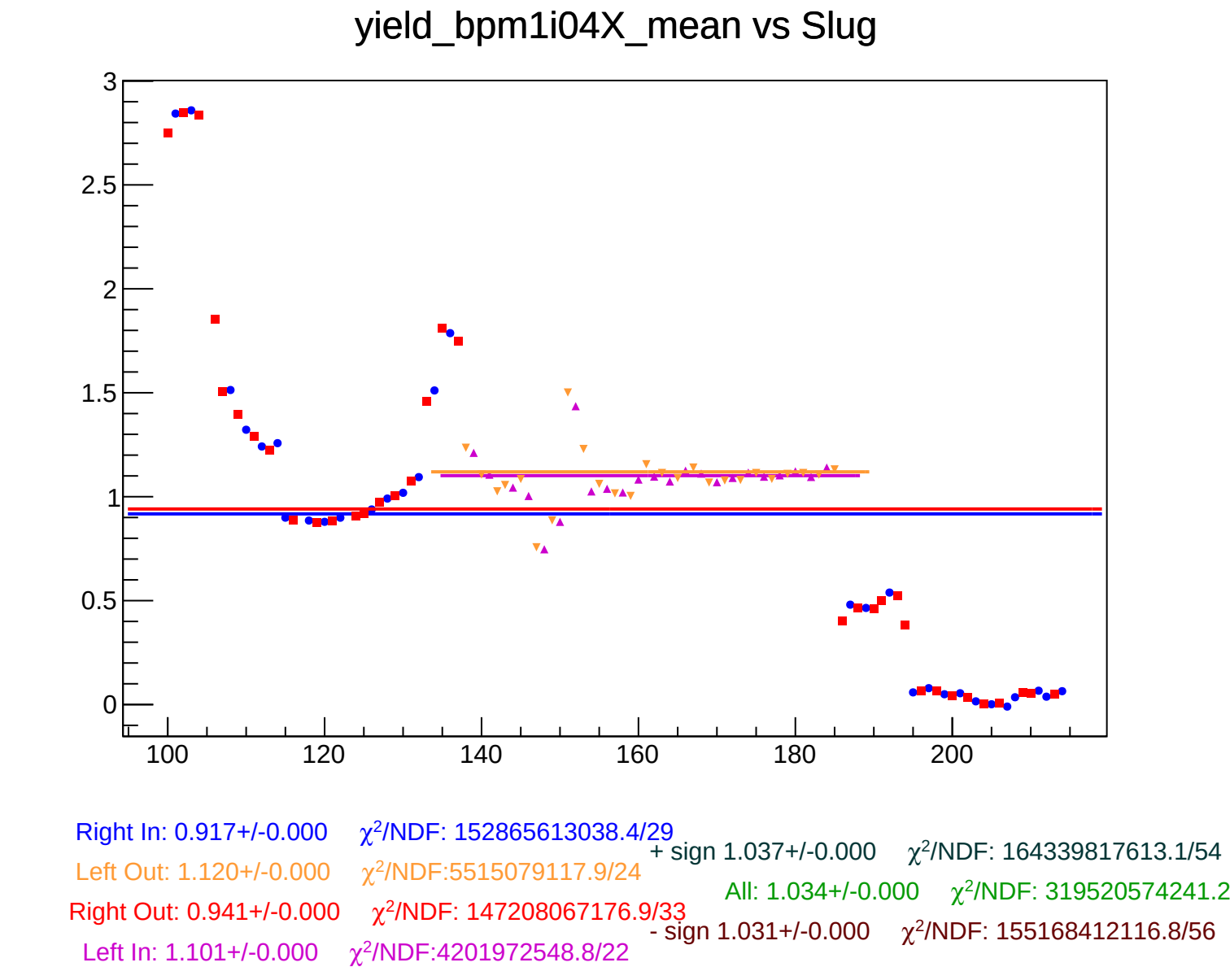
Right Out: 0.008+/-0.000 χ^2/NDF: 302819.2/33

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

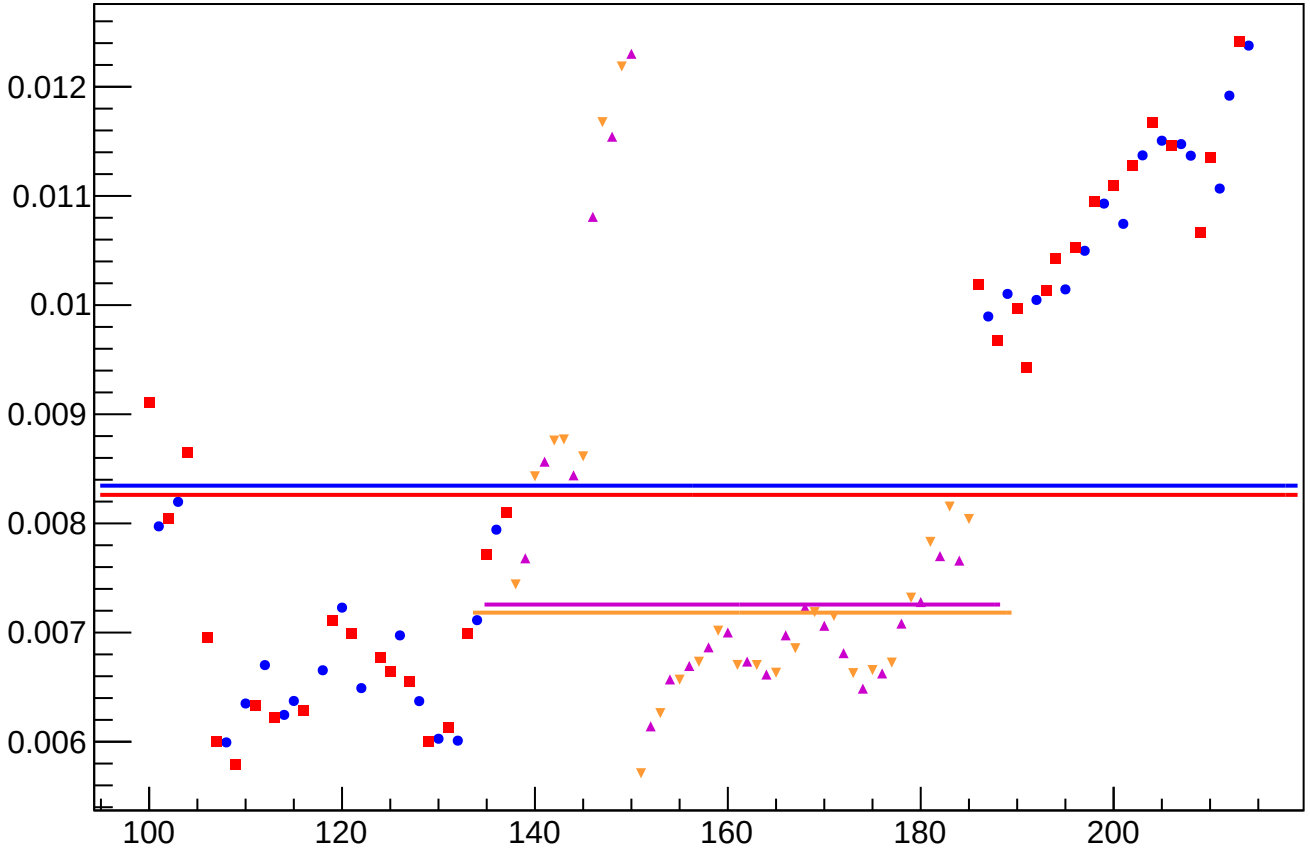
+ sign 0.007+/-0.000 χ^2/NDF: 1961033.9/54

All: 0.007+/-0.000 χ^2/NDF: 3867006.8/111

- sign 0.007+/-0.000 χ^2/NDF: 1904185.8/56


yield_bpm1i04X_mean vs Slug
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.917+/-0.000 χ²/NDF: 152865613038.4/29
Left Out: 1.120+/-0.000 χ²/NDF:5515079117.9/24
Right Out: 0.941+/-0.000 χ²/NDF: 147208067176.9/33
Left In: 1.101+/-0.000 χ²/NDF:4201972548.8/22
+ sign 1.037+/-0.000 χ²/NDF: 164339817613.1/54
All: 1.034+/-0.000 χ²/NDF: 319520574241.2
- sign 1.031+/-0.000 χ²/NDF: 155168412116.8/56

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2238088.9/29

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2308883.5/33

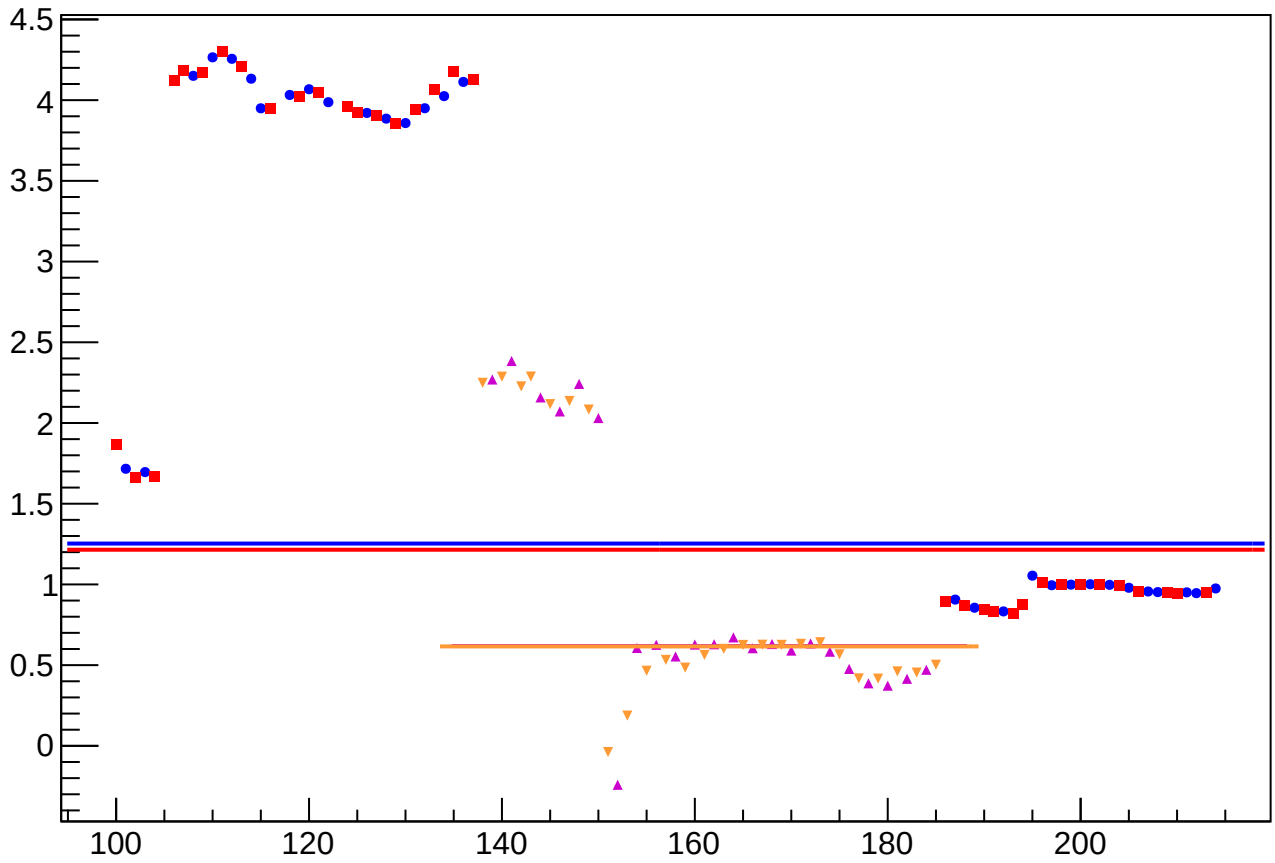
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 3525810.4/54

All: 0.008+/-0.000 χ^2/NDF: 7047230.4/111

- sign 0.008+/-0.000 χ^2/NDF: 3520364.3/56

yield_bpm1i04Y_mean vs Slug



Right In: 1.253+/-0.000 χ^2/NDF: 1627873002372.2/29

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.215+/-0.000 χ^2/NDF: 1790192655193.4/33

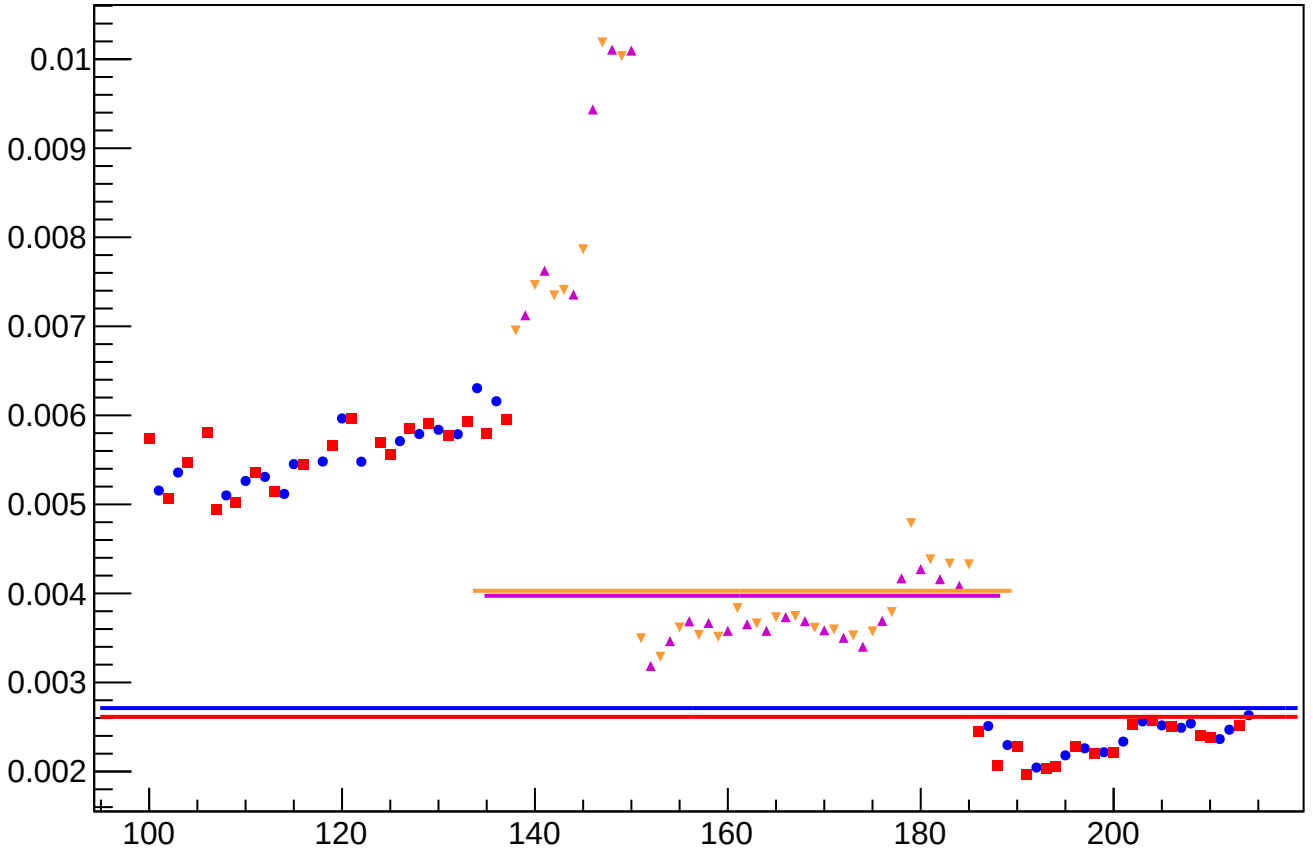
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.038+/-0.000 χ^2/NDF: 2163767493742.9/54

All: 1.034+/-0.000 χ^2/NDF: 4461070590062.

- sign 1.031+/-0.000 χ^2/NDF: 2297220189113.2/56

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4424953.0/29

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4712680.1/33

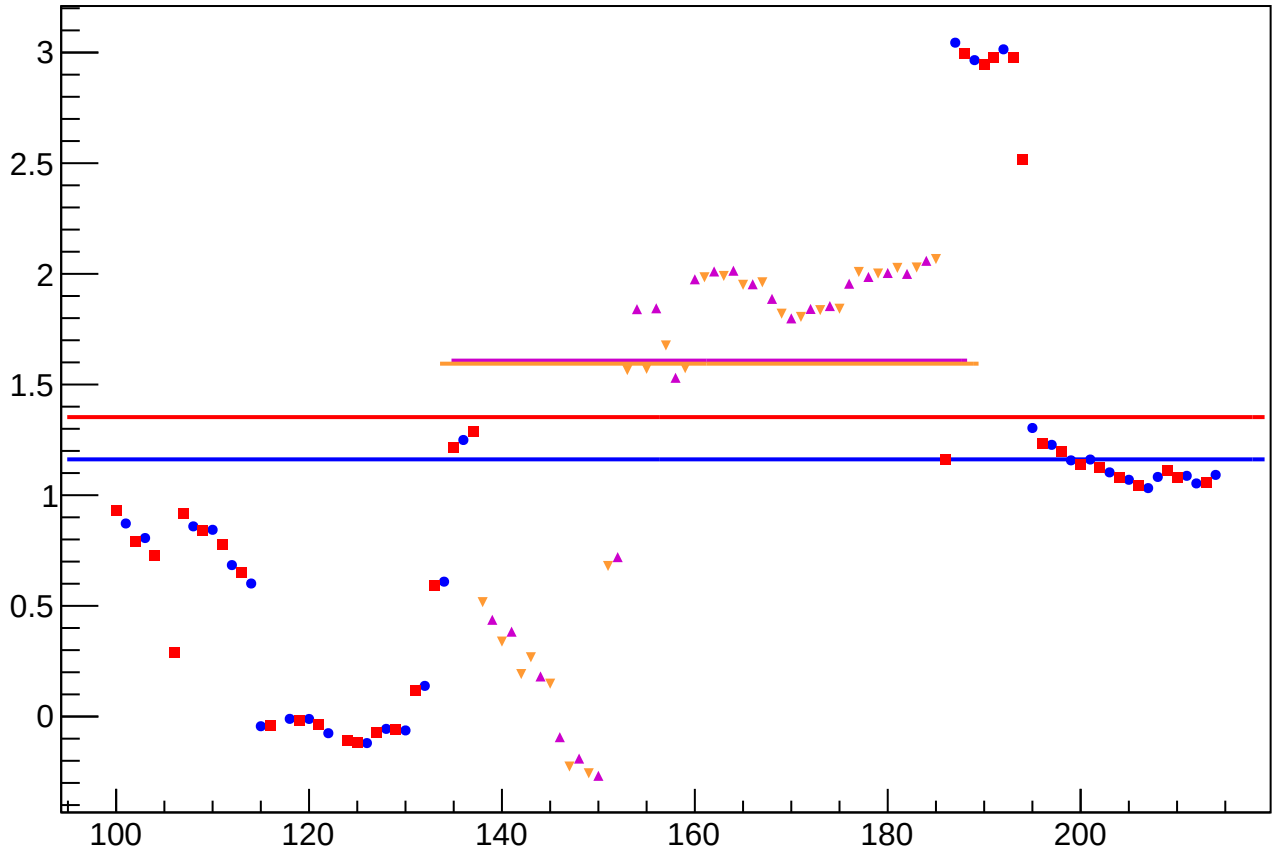
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9816543.0/54

All: 0.003+/-0.000 χ^2/NDF: 20326569.6/111

- sign 0.003+/-0.000 χ^2/NDF: 10460891.2/56

yield_bpm1i06X_mean vs Slug



Right In: 1.162+/-0.000 χ^2/NDF: 77867458623.1/29

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.353+/-0.000 χ^2/NDF: 106860802086.7/33

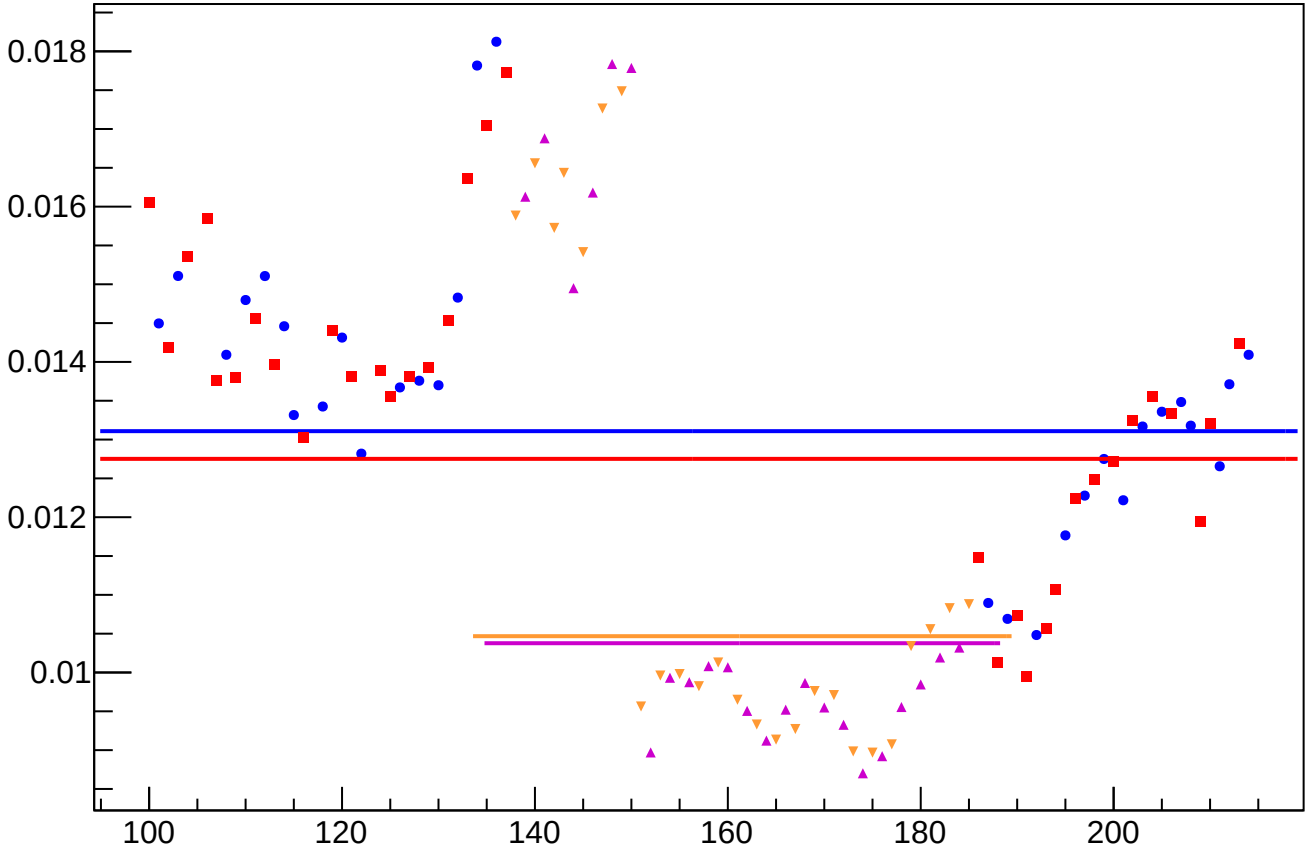
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.428+/-0.000 χ^2/NDF: 152463713872.4/54

All: 1.466+/-0.000 χ^2/NDF: 330800800421.4

- sign 1.503+/-0.000 χ^2/NDF: 177586647673.8/56

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 519258.5/29

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

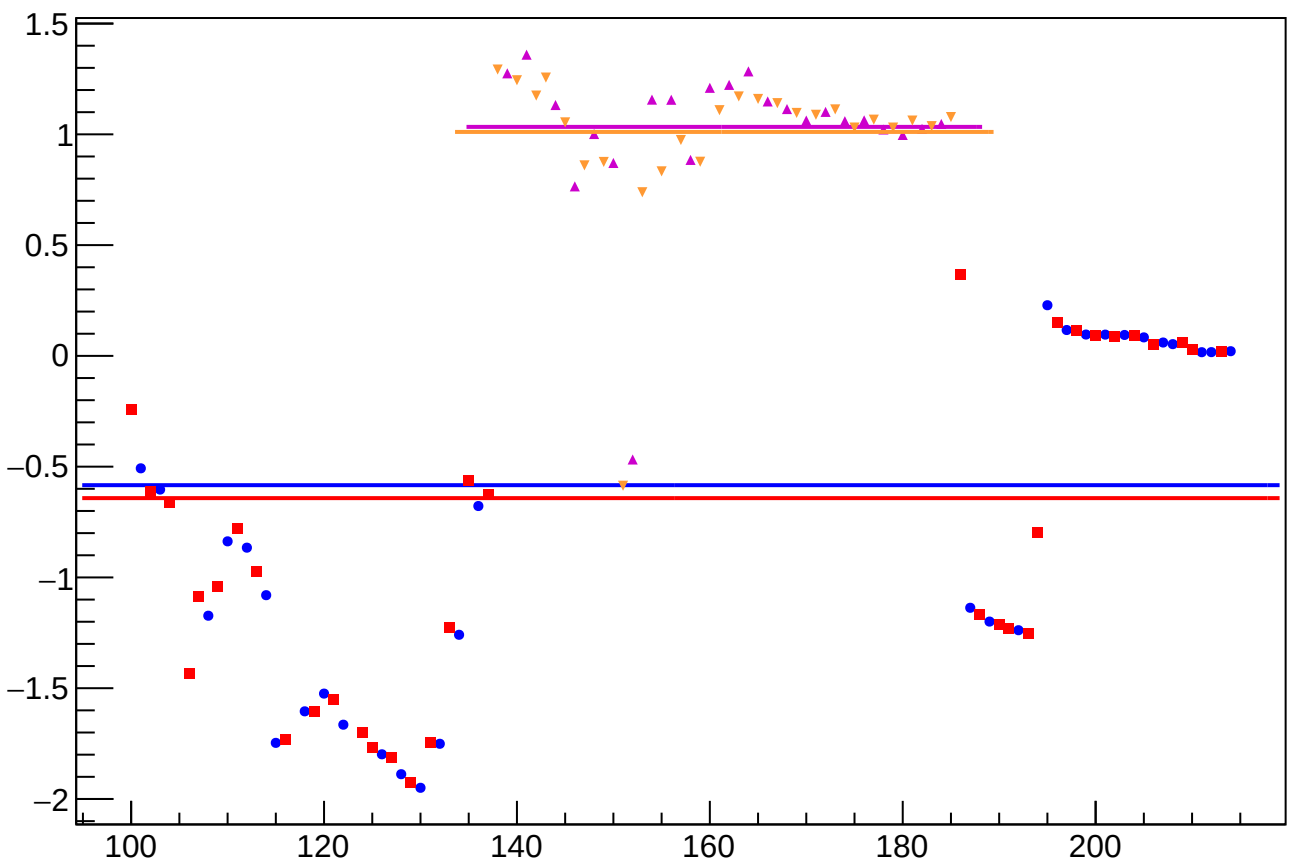
Right Out: 0.013+/-0.000 χ^2/NDF: 634768.8/33

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 3073275.7/54

All: 0.011+/-0.000 χ^2/NDF: 6170808.1/111

- sign 0.011+/-0.000 χ^2/NDF: 3093416.6/56



Right In: -0.584+/-0.000 χ^2/NDF: 208256268260.1/29

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.642+/-0.000 χ^2/NDF: 195395567268.8/33

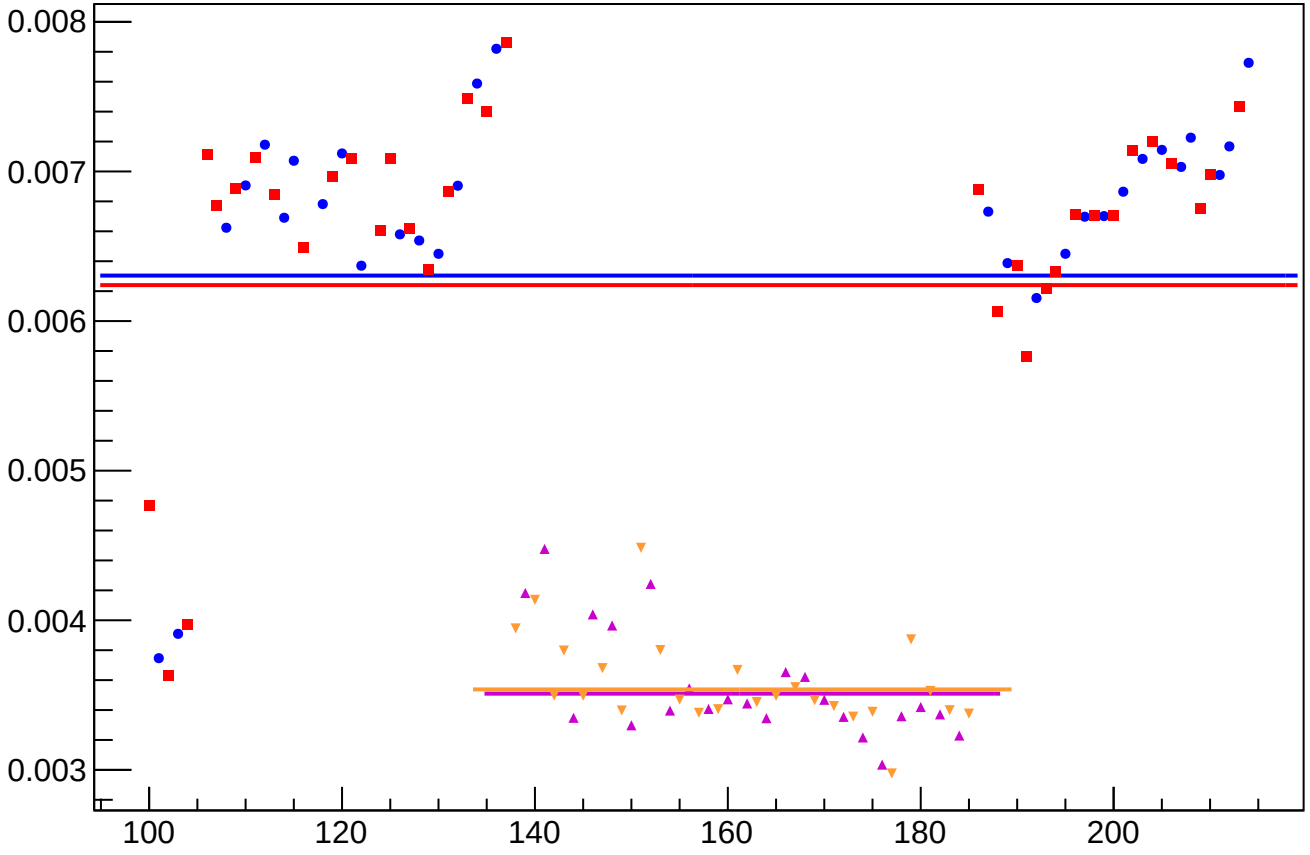
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.641+/-0.000 χ^2/NDF: 1147215083068.9/54

All: 0.628+/-0.000 χ^2/NDF: 2412134470932.

- sign 0.615+/-0.000 χ^2/NDF: 1264294603624.9/56

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1310075.5/29

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1297045.5/33

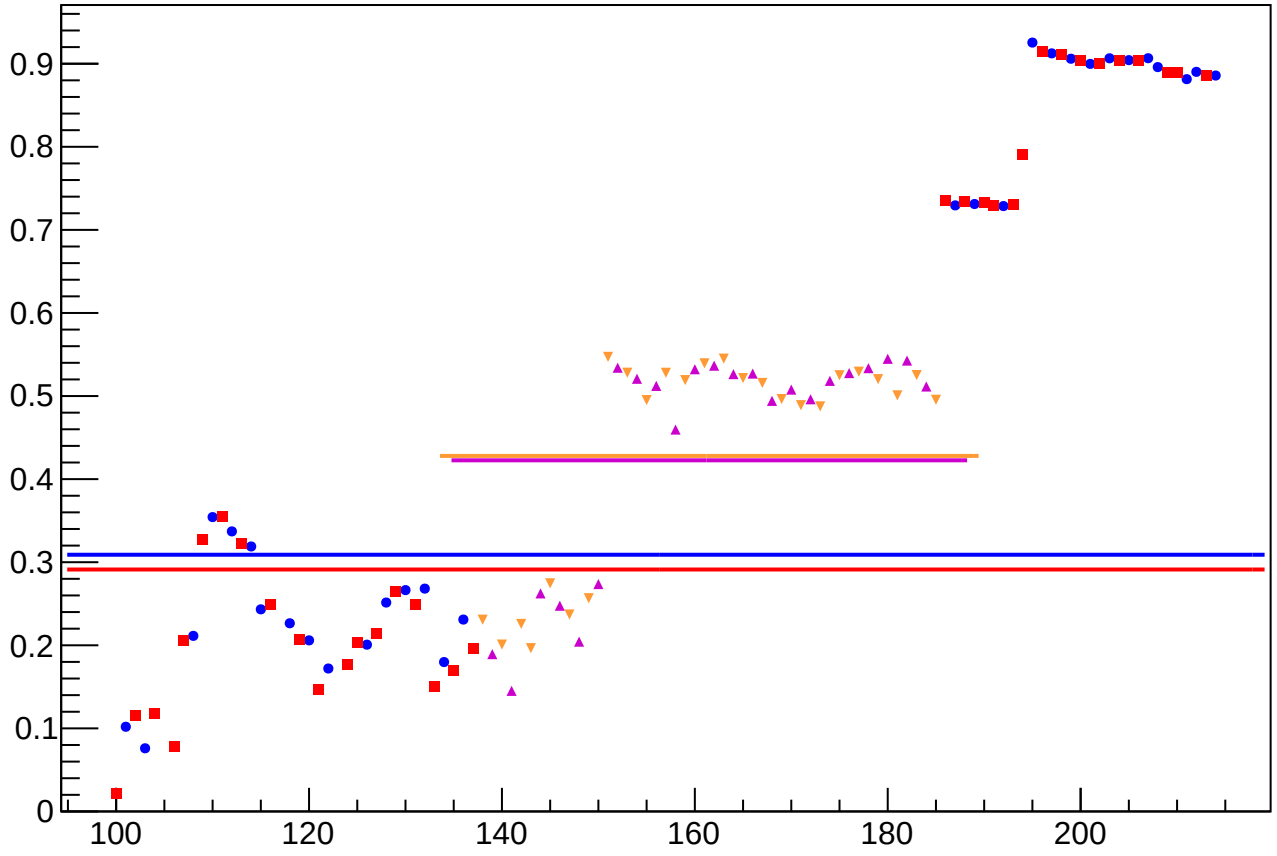
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 6508672.9/54

All: 0.004+/-0.000 χ^2/NDF: 13102549.5/111

- sign 0.004+/-0.000 χ^2/NDF: 6593584.1/56

yield_bpm2i01X_mean vs Slug



Right In: 0.309+/-0.000 χ^2/NDF: 223777274567.9/29

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.291+/-0.000 χ^2/NDF: 236006483879.3/33

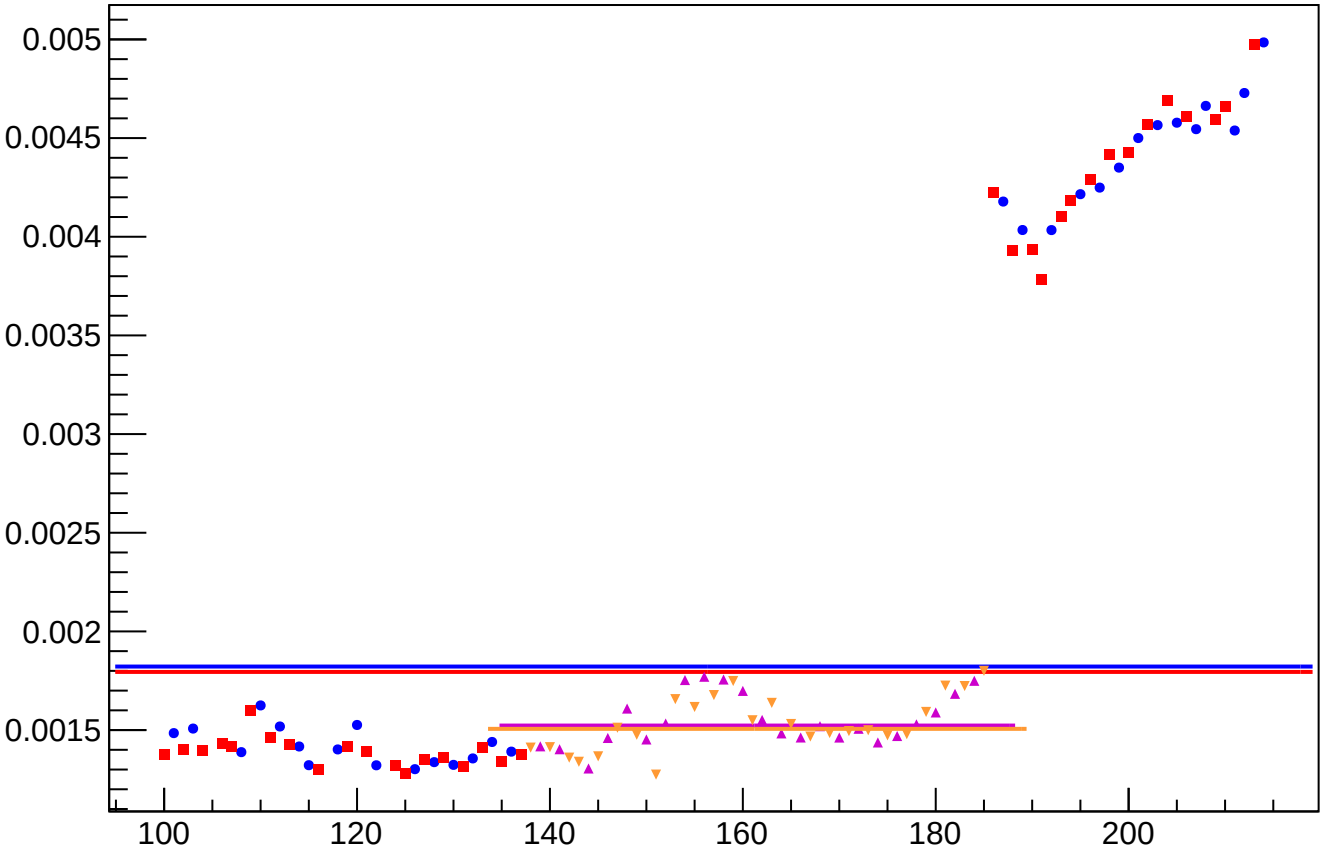
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.389+/-0.000 χ^2/NDF: 416365616808.8/54

All: 0.382+/-0.000 χ^2/NDF: 860096454996.1

- sign 0.375+/-0.000 χ^2/NDF: 442524272015.8/56

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8954017.7/29

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

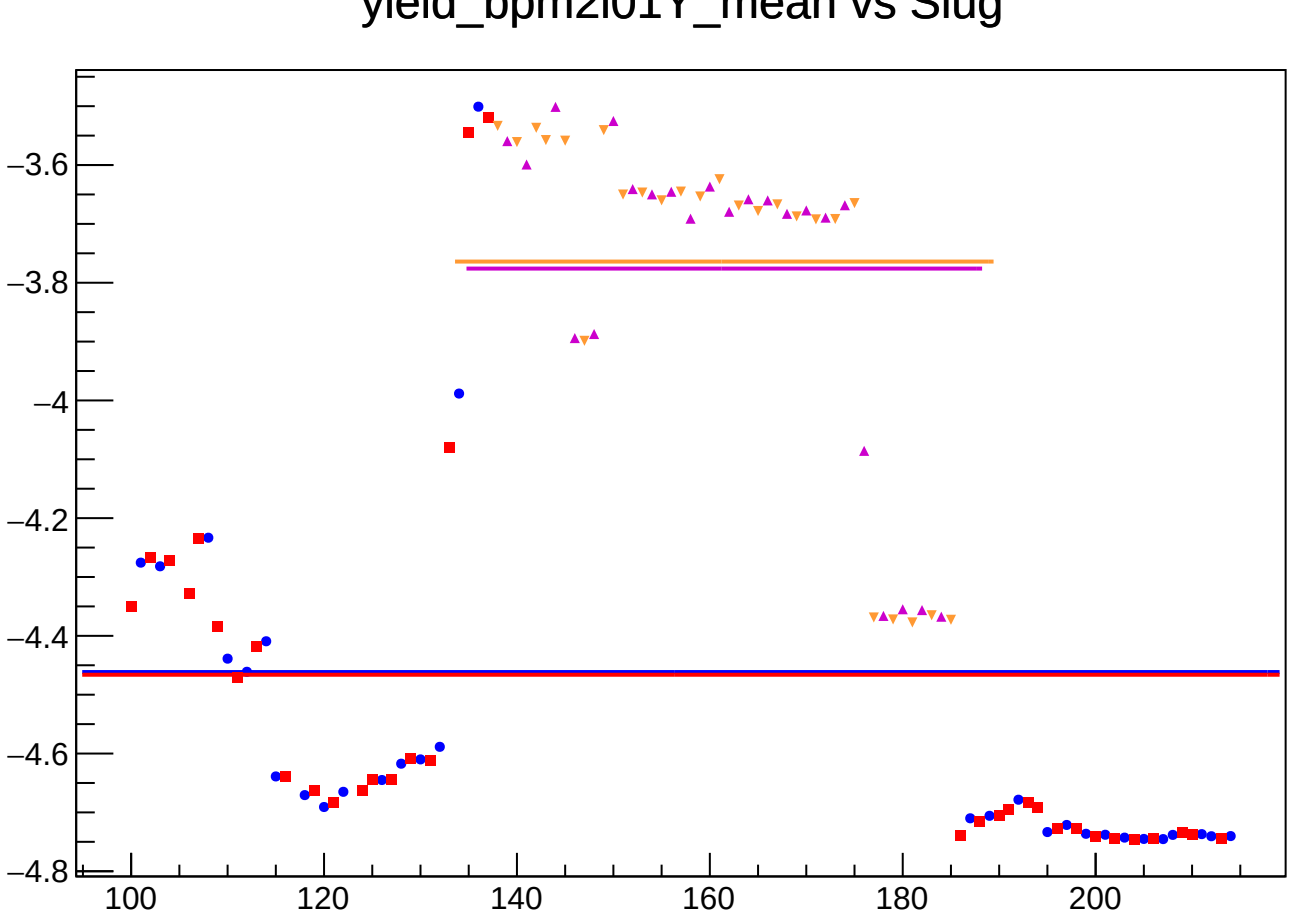
Right Out: 0.002+/-0.000 χ^2/NDF: 9307518.1/33

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 9779141.8/54

All: 0.002+/-0.000 χ^2/NDF: 19737191.5/111

- sign 0.002+/-0.000 χ^2/NDF: 9956300.7/56



Right In: -4.462+/-0.000 χ^2/NDF: 443841966846.9/29

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.466+/-0.000 χ^2/NDF: 390623151850.0/33

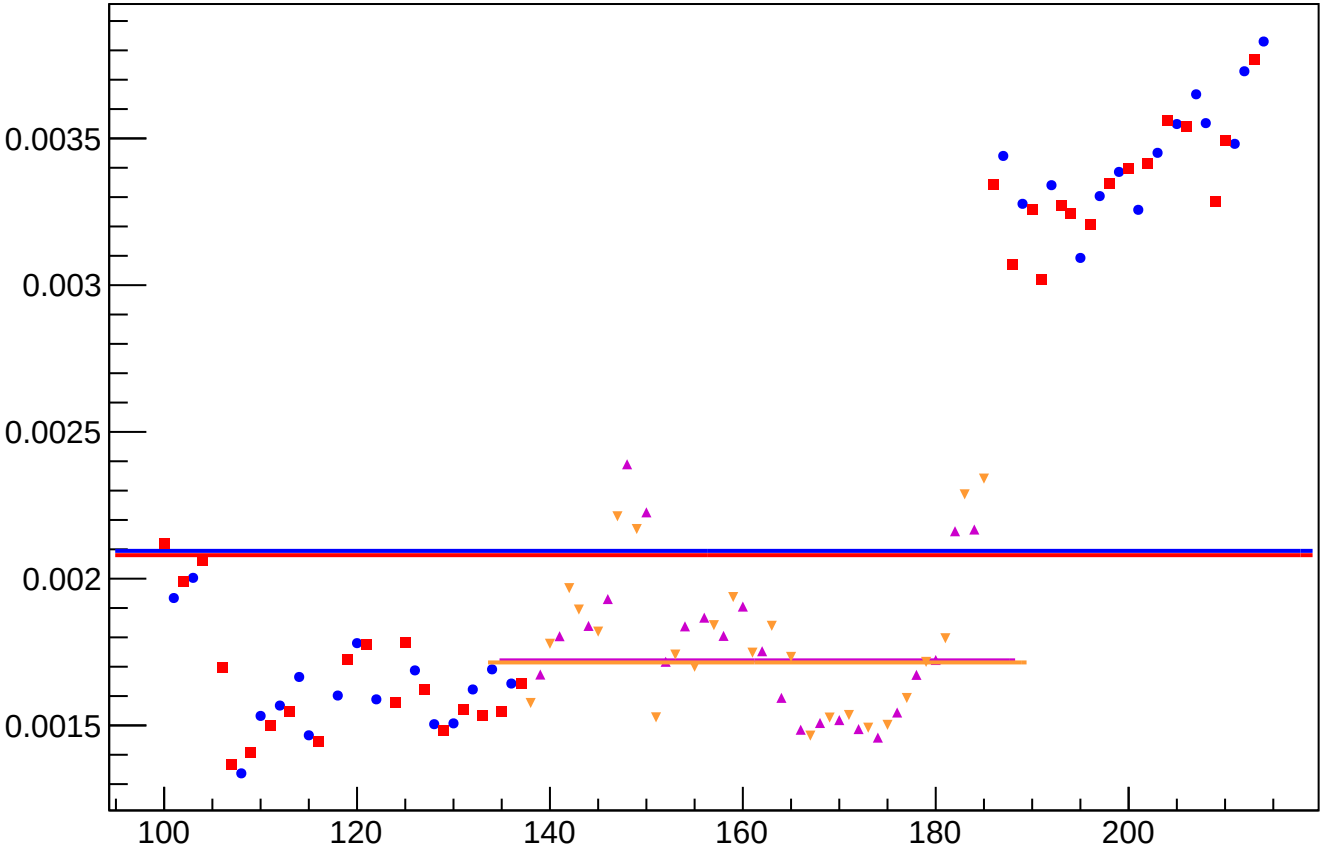
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.015+/-0.000 χ^2/NDF: 2031458779873.7/5

All: -4.029+/-0.000 χ^2/NDF: 3925323203083

- sign -4.044+/-0.000 χ^2/NDF: 1889753465215.6/56

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4723524.8/29

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4756259.9/33

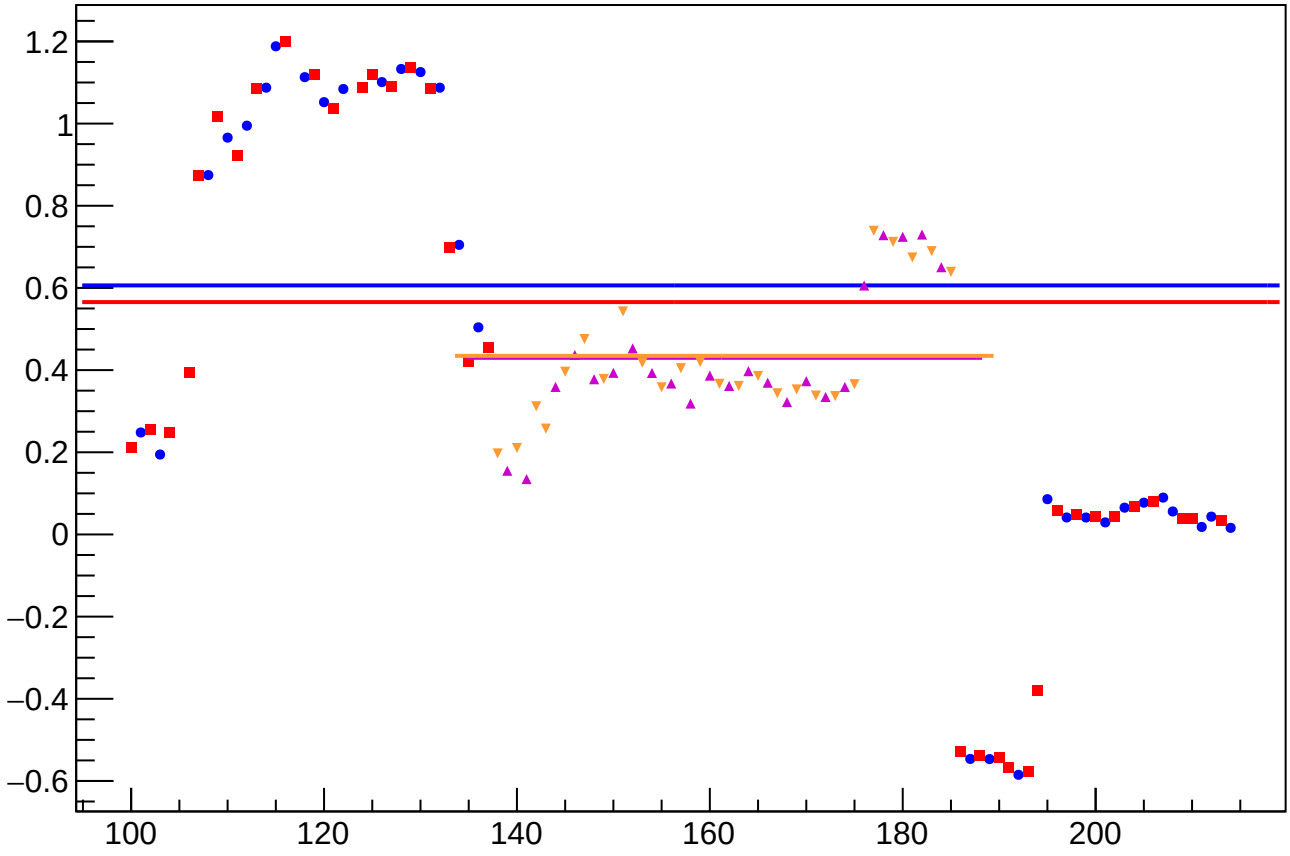
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5941764.3/54

All: 0.002+/-0.000 χ^2/NDF: 11872263.7/111

- sign 0.002+/-0.000 χ^2/NDF: 5929621.5/56

yield_bpm2i02X_mean vs Slug



Right In: 0.606+/-0.000 χ^2/NDF: 73836626287.1/29

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.566+/-0.000 χ^2/NDF: 91854572240.5/33

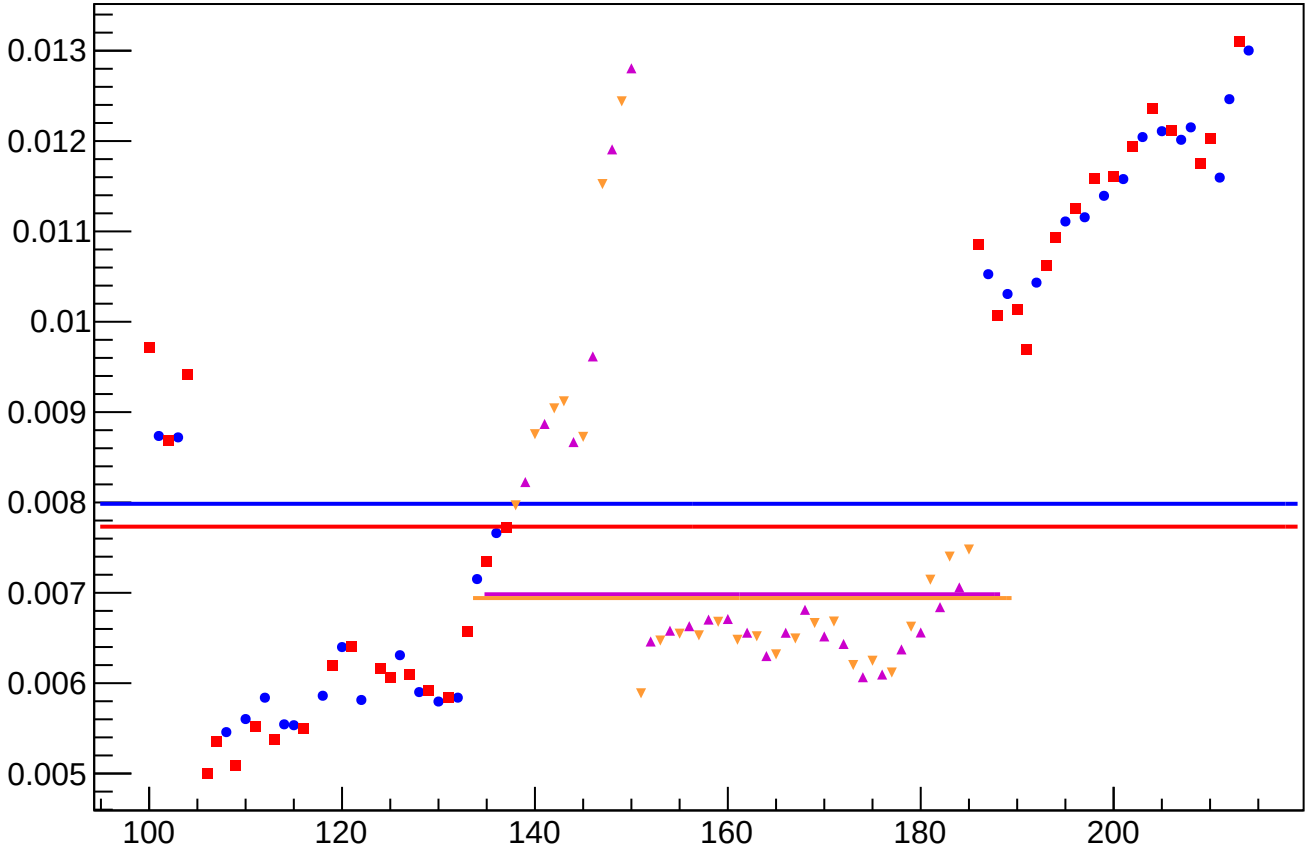
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.503+/-0.000 χ^2/NDF: 86903225008.6/54

All: 0.496+/-0.000 χ^2/NDF: 190785603593.4

- sign 0.489+/-0.000 χ^2/NDF: 103821268236.1/56

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3500681.3/29

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

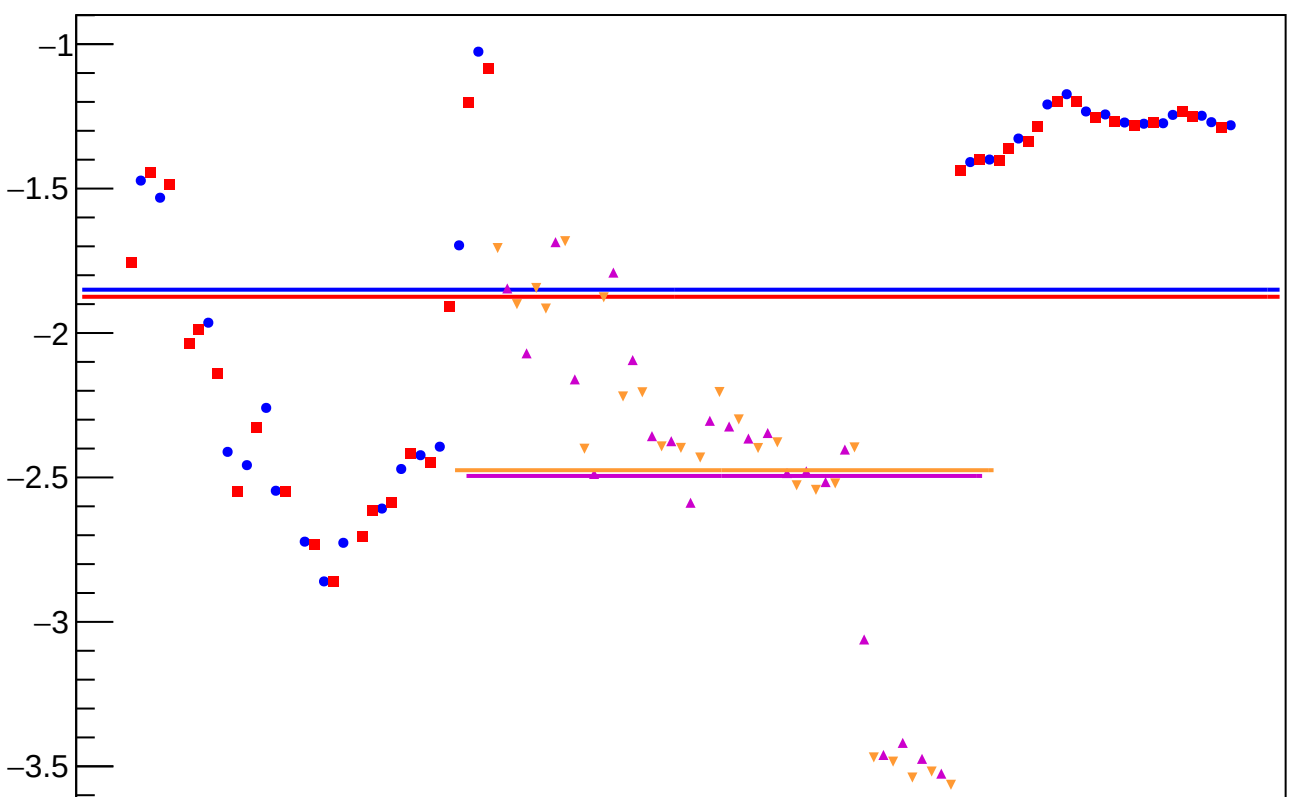
Right Out: 0.008+/-0.000 χ^2/NDF: 3948467.1/33

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 4928905.3/54

All: 0.007+/-0.000 χ^2/NDF: 10193397.5/111

- sign 0.007+/-0.000 χ^2/NDF: 5263113.5/56



Right In: -1.850+/-0.000 χ^2/NDF: 118678597518.4/29

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.875+/-0.000 χ^2/NDF: 115537058632.6/33

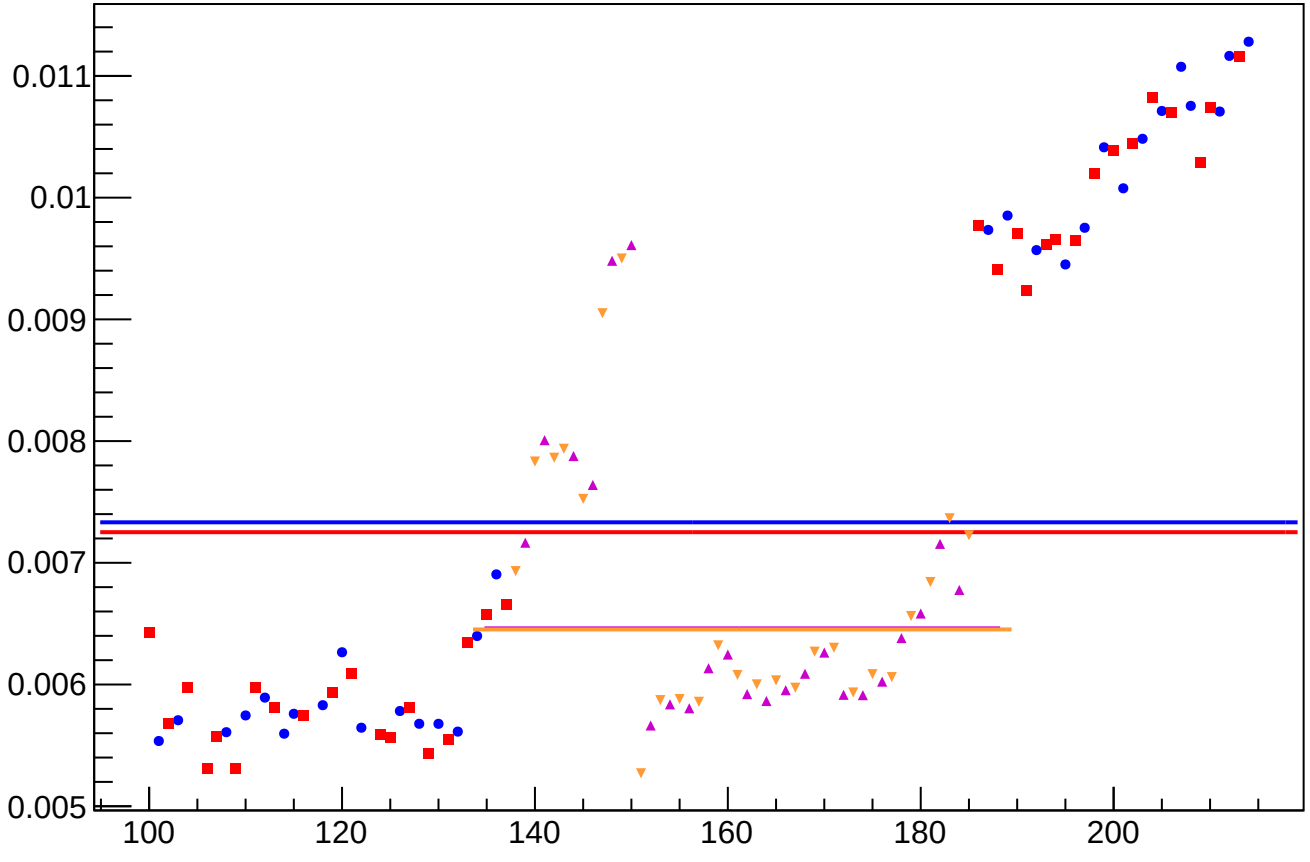
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.220+/-0.000 χ^2/NDF: 313980295486.5/54

All: -2.222+/-0.000 χ^2/NDF: 598461178000.1

- sign -2.224+/-0.000 χ^2/NDF: 284476374683.3/56

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2906206.0/29

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

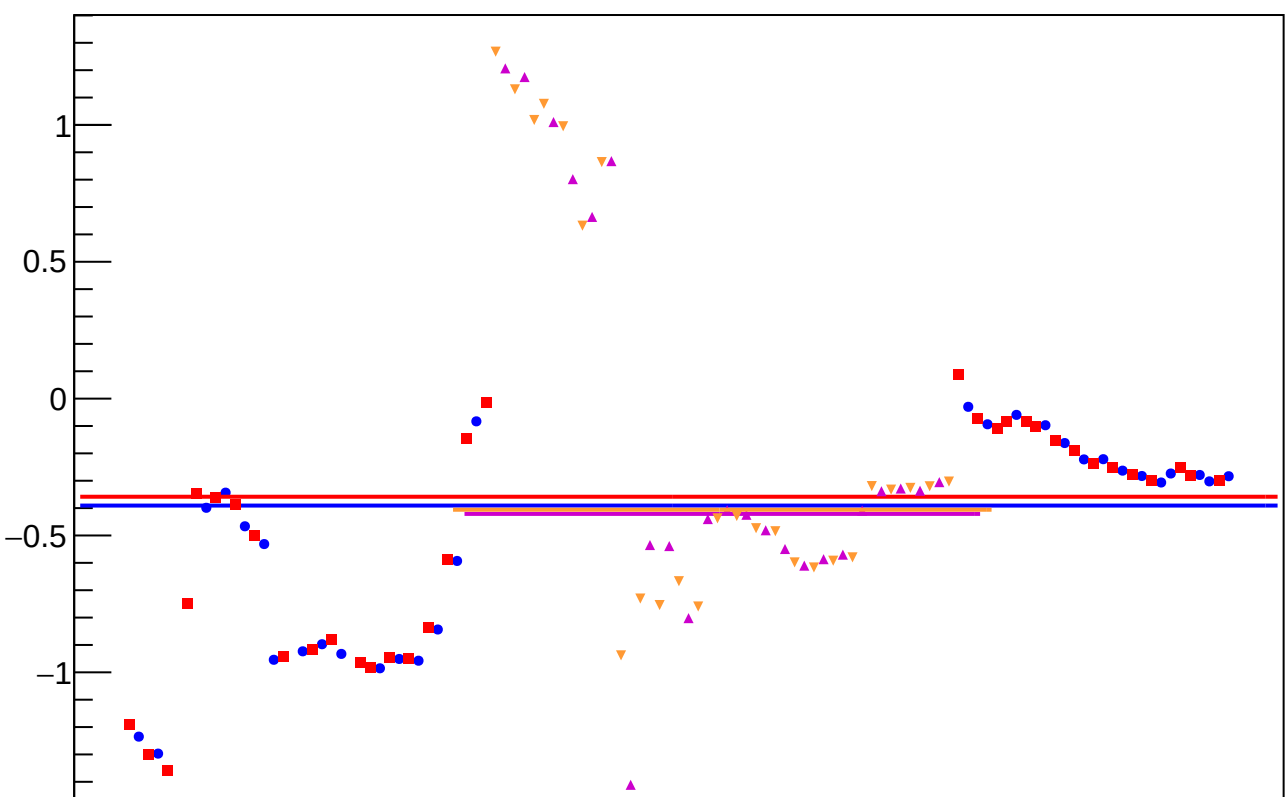
Right Out: 0.007+/-0.000 χ^2/NDF: 2930642.2/33

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 3906520.2/54

All: 0.007+/-0.000 χ^2/NDF: 7792029.0/111

- sign 0.007+/-0.000 χ^2/NDF: 3885494.3/56



Right In: -0.391+/-0.000 χ^2/NDF: 24586600316.8/29

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.358+/-0.000 χ^2/NDF: 27309591043.1/33

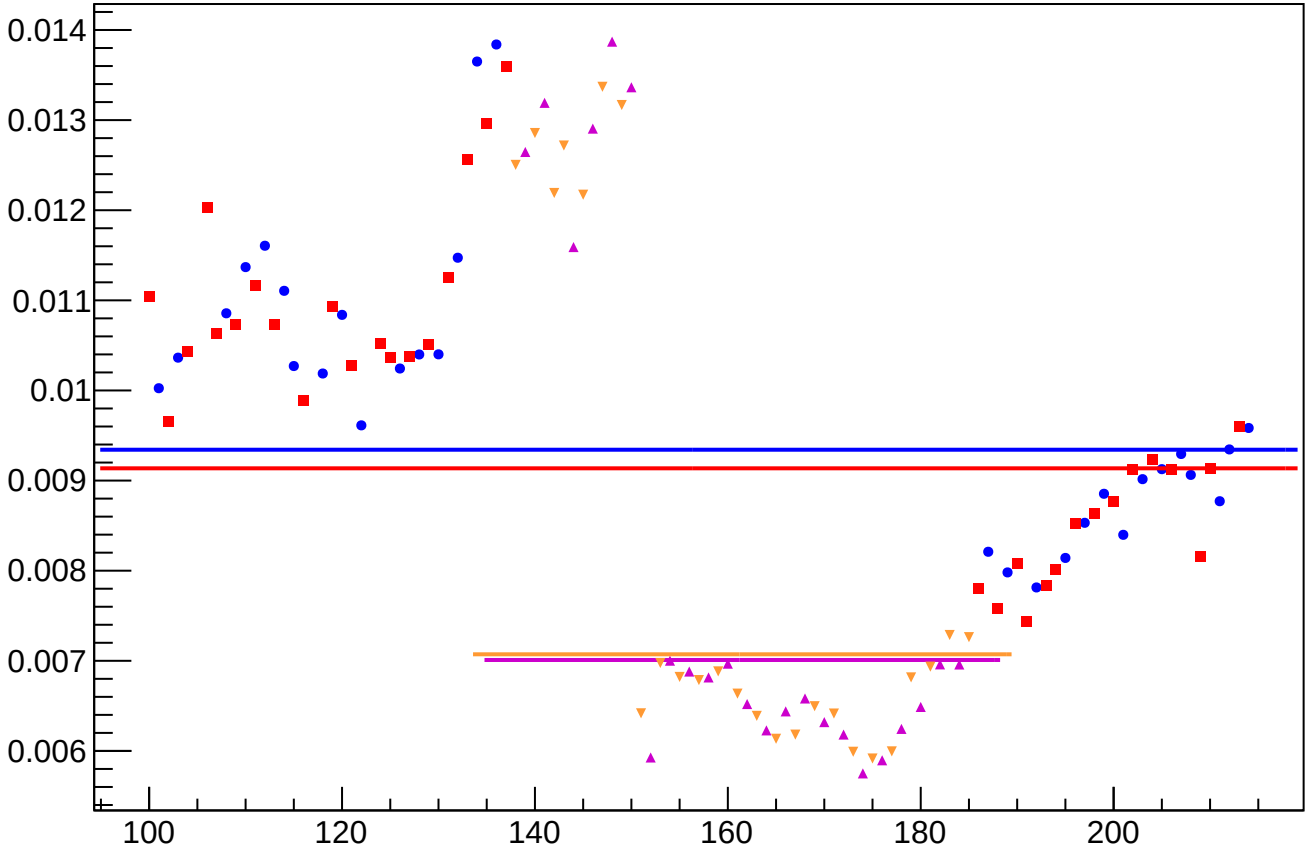
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.400+/-0.000 χ^2/NDF: 106250170219.6/54

All: -0.399+/-0.000 χ^2/NDF: 224330063338.3

- sign -0.397+/-0.000 χ^2/NDF: 118075928492.8/56

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 636756.4/29

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

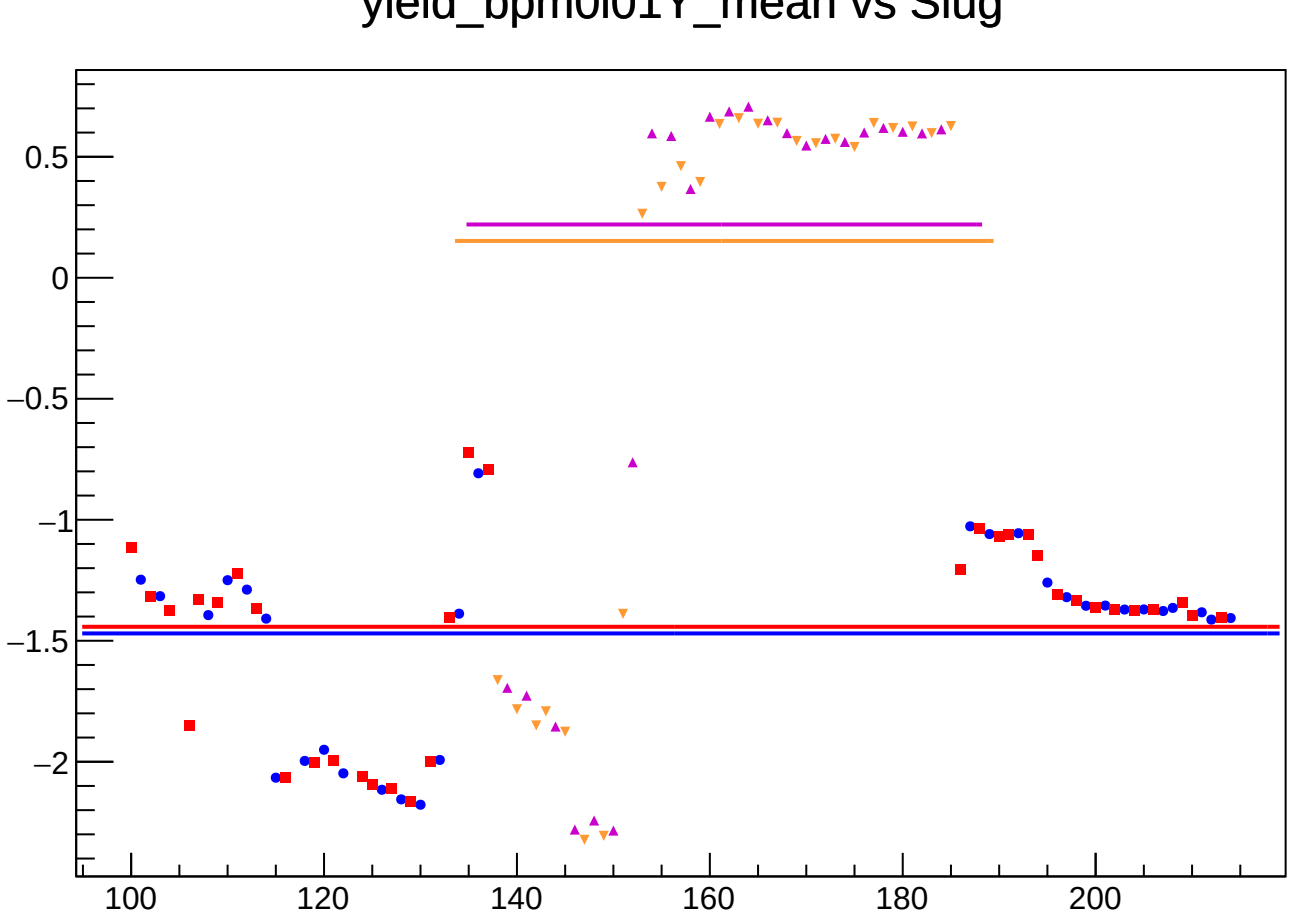
Right Out: 0.009+/-0.000 χ^2/NDF: 703898.2/33

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4351146.8/54

All: 0.008+/-0.000 χ^2/NDF: 8719991.7/111

- sign 0.008+/-0.000 χ^2/NDF: 4367060.1/56



Right In: -1.470+/-0.000 χ^2/NDF: 183810003828.7/29

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.442+/-0.000 χ^2/NDF: 172686139861.6/33

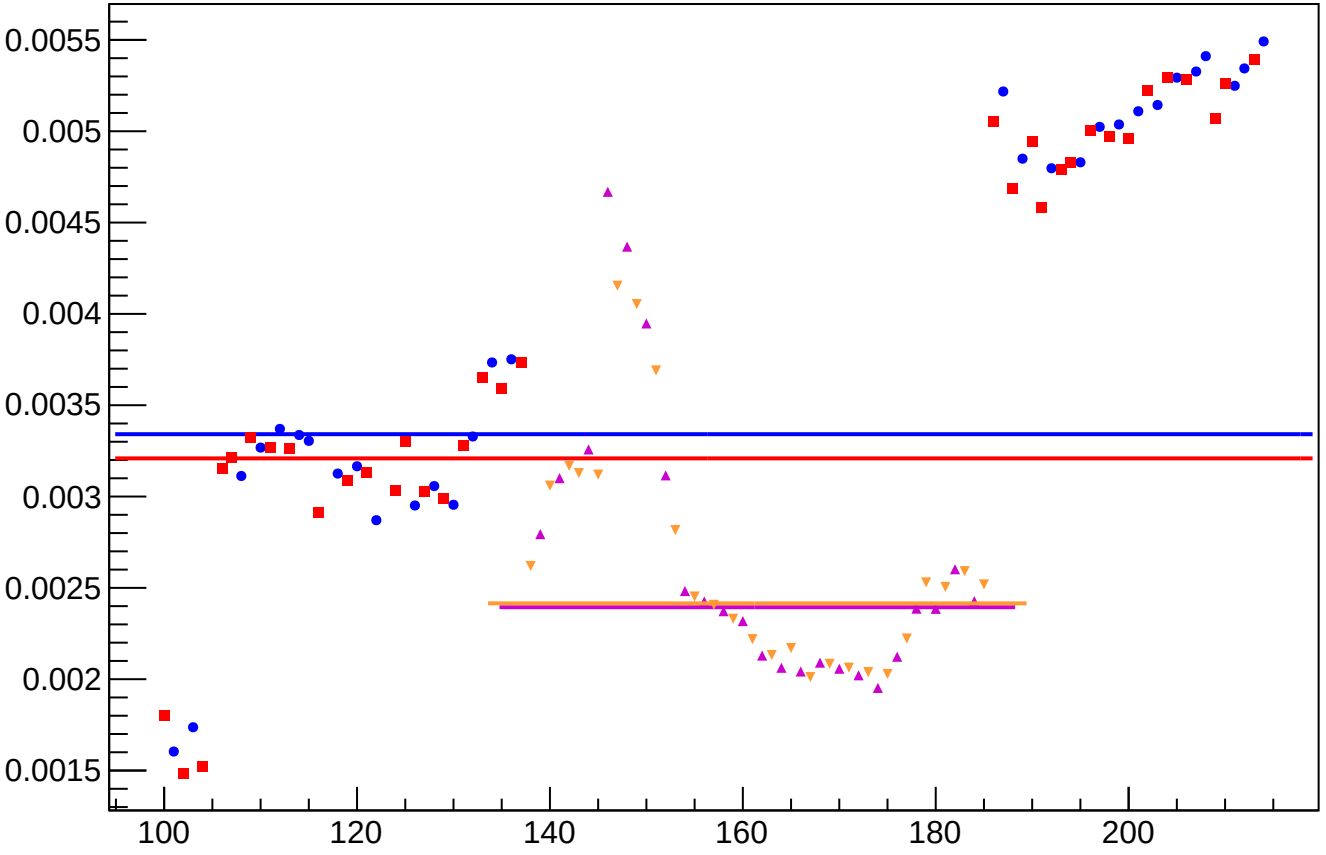
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.356+/-0.000 χ^2/NDF: 4995790822036.4/5

All: -0.354+/-0.000 χ^2/NDF: 9940331625072

- sign -0.351+/-0.000 χ^2/NDF: 4944493288783.0/56

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4985425.1/29

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

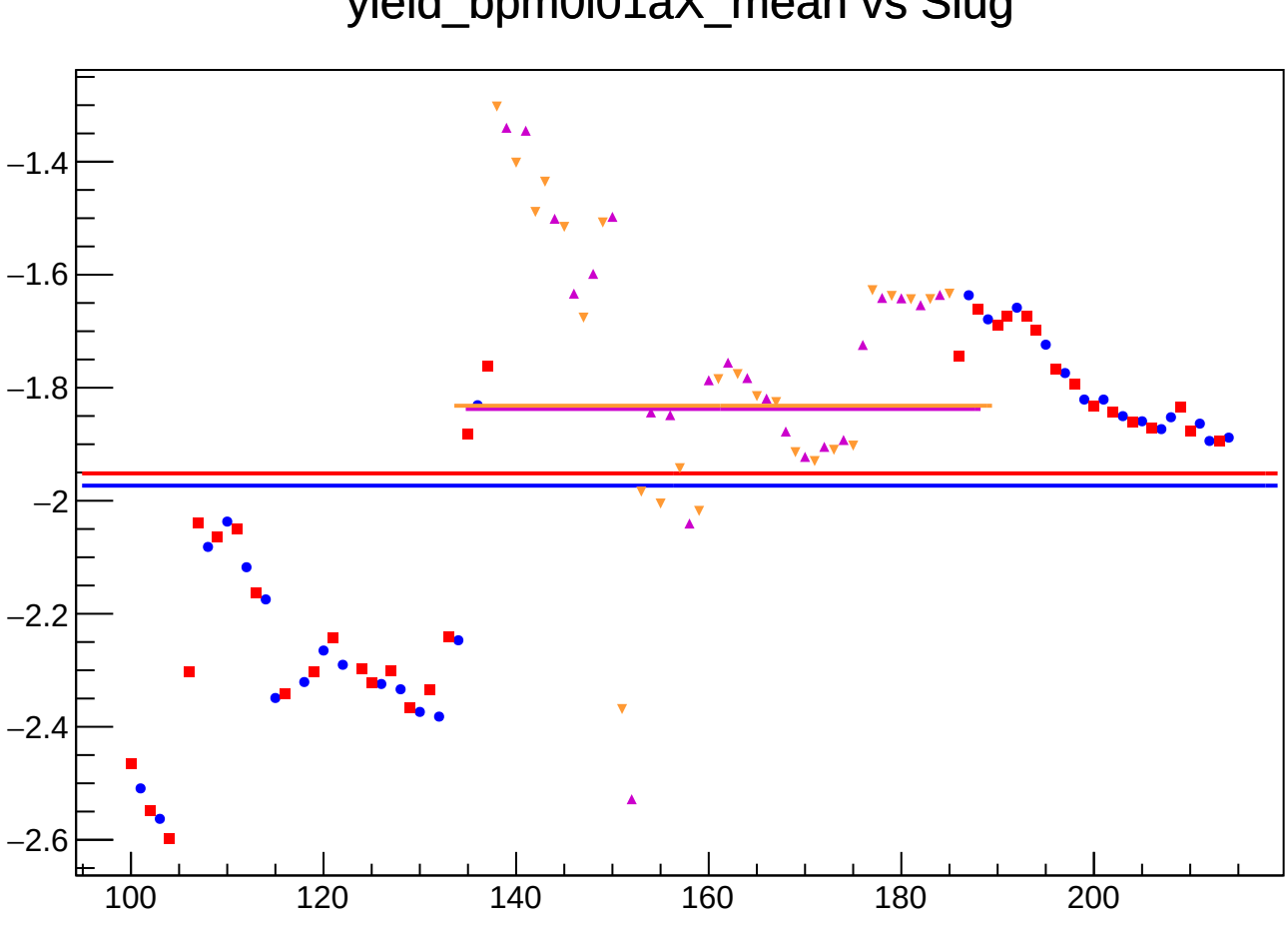
Right Out: 0.003+/-0.000 χ^2/NDF: 5824272.1/33

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 7779780.5/54

All: 0.003+/-0.000 χ^2/NDF: 16291057.6/111

- sign 0.003+/-0.000 χ^2/NDF: 8507127.6/56



Right In: -1.973+/-0.000 χ^2/NDF: 34010531542.0/29

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.952+/-0.000 χ^2/NDF: 37993638046.7/33

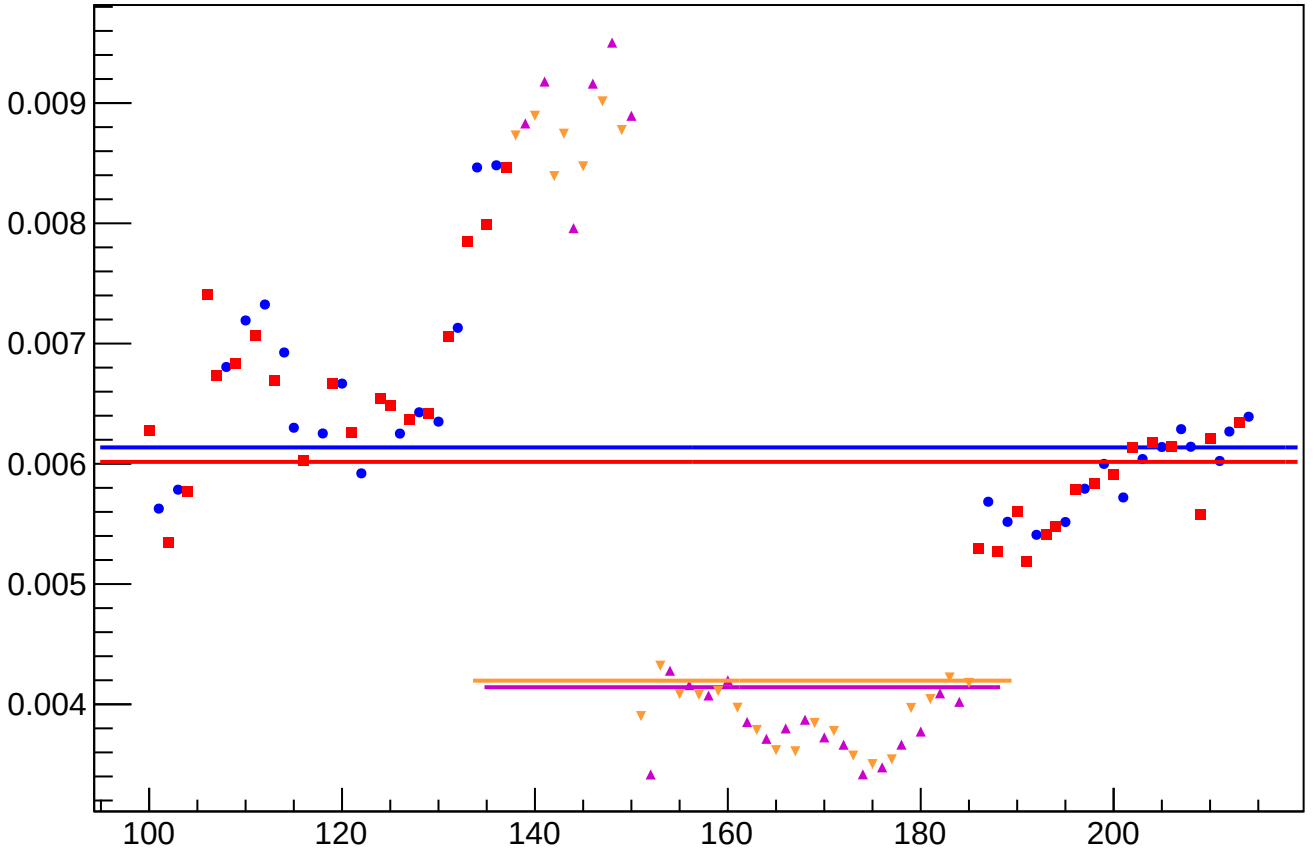
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78716355313.6/54

All: -1.878+/-0.000 χ^2/NDF: 174421492727.8

- sign -1.877+/-0.000 χ^2/NDF: 95705040769.0/56

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 371153.1/29

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 396610.1/33

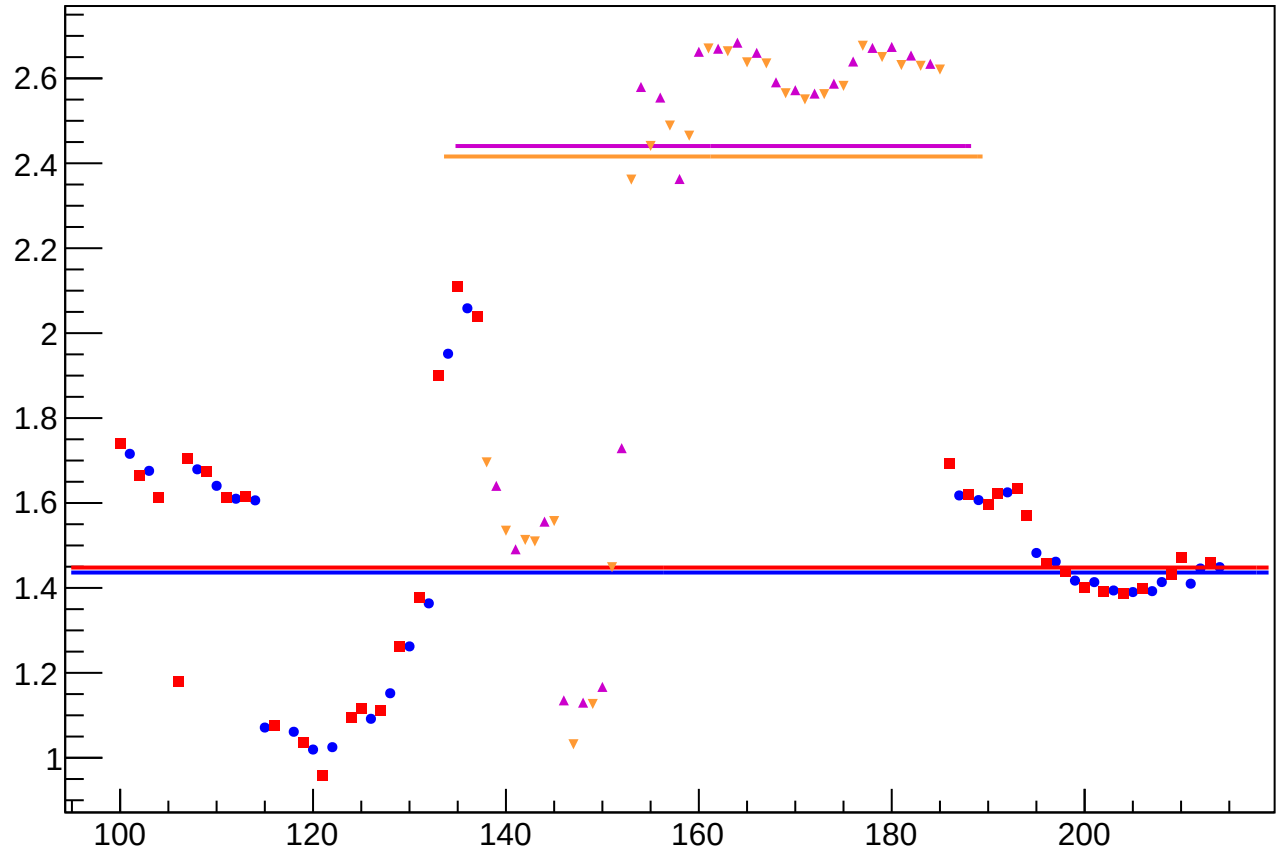
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5848291.6/54

All: 0.005+/-0.000 χ^2/NDF: 11751283.0/111

- sign 0.005+/-0.000 χ^2/NDF: 5901733.5/56

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191505397254.8/29

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186651883948.6/33

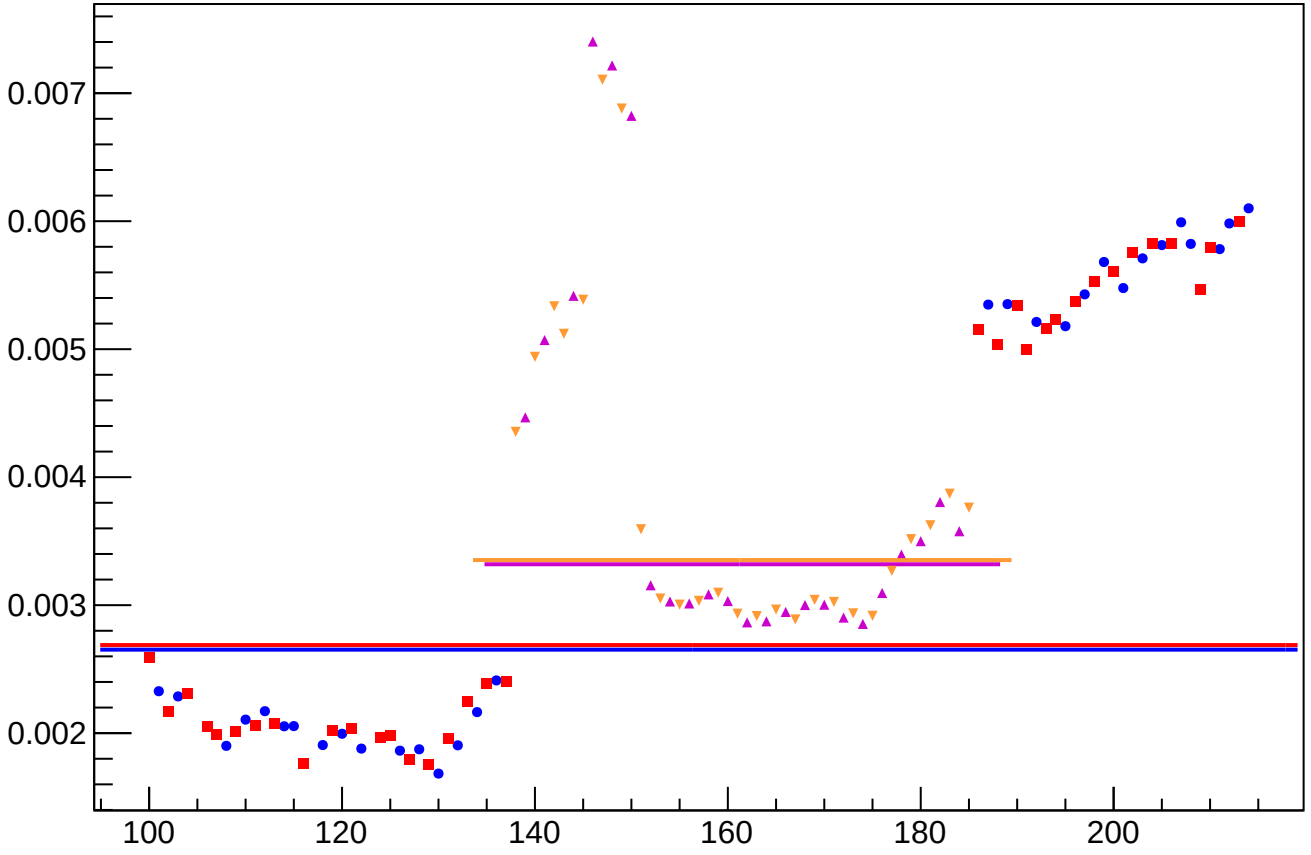
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.868+/-0.000 χ^2/NDF: 1268139088309.4/54

All: 1.869+/-0.000 χ^2/NDF: 2527113903457.

- sign 1.869+/-0.000 χ^2/NDF: 1258971736252.2/56

yield_bpm0i01aY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 7624207.5/29

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

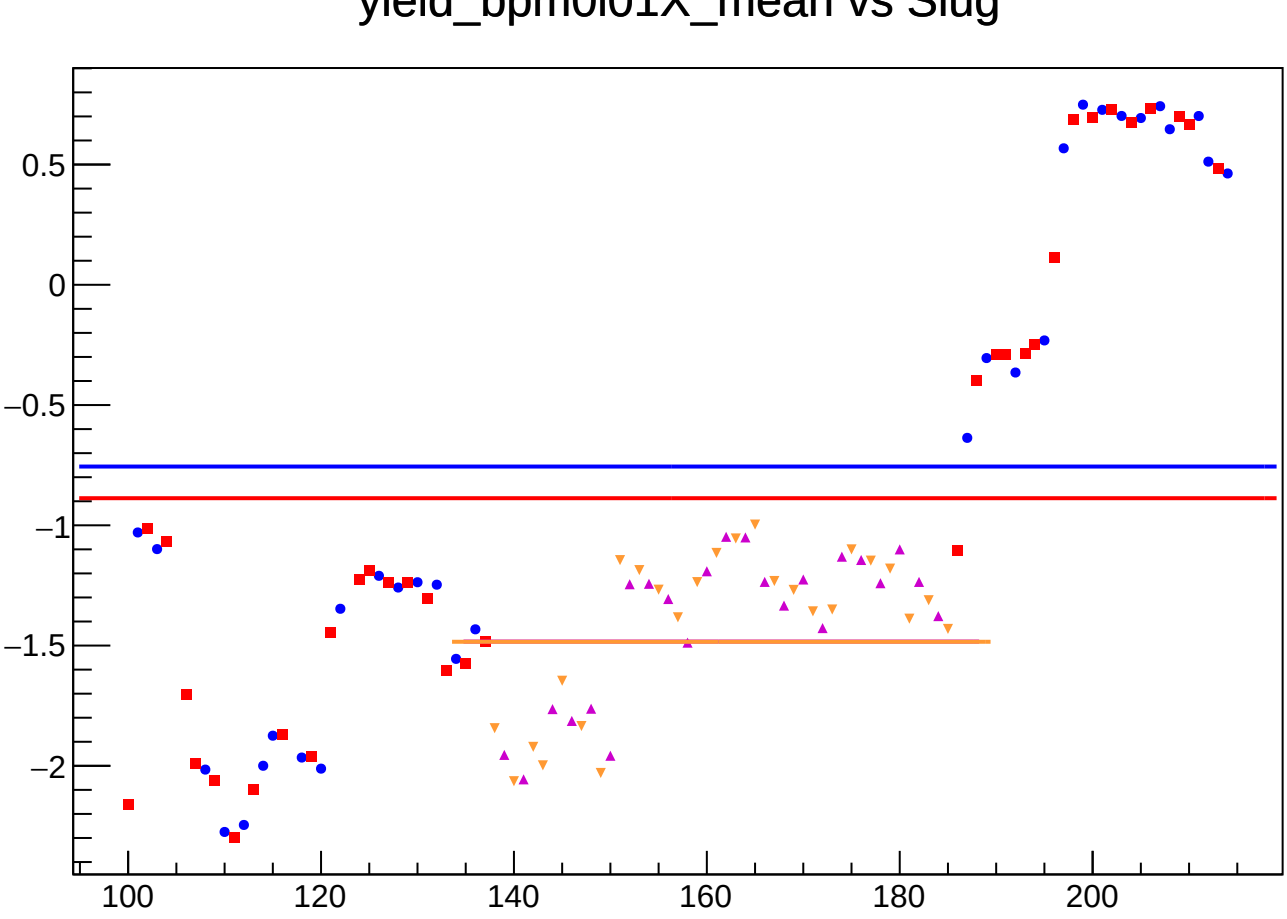
Right Out: 0.003+/-0.000 χ^2/NDF: 7511704.7/33

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 10294840.3/54

All: 0.003+/-0.000 χ^2/NDF: 20542325.9/111

- sign 0.003+/-0.000 χ^2/NDF: 10247408.7/56



Right In: -0.756+/-0.000 χ^2/NDF: 240363992890.7/29

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.887+/-0.000 χ^2/NDF: 270413129791.6/33

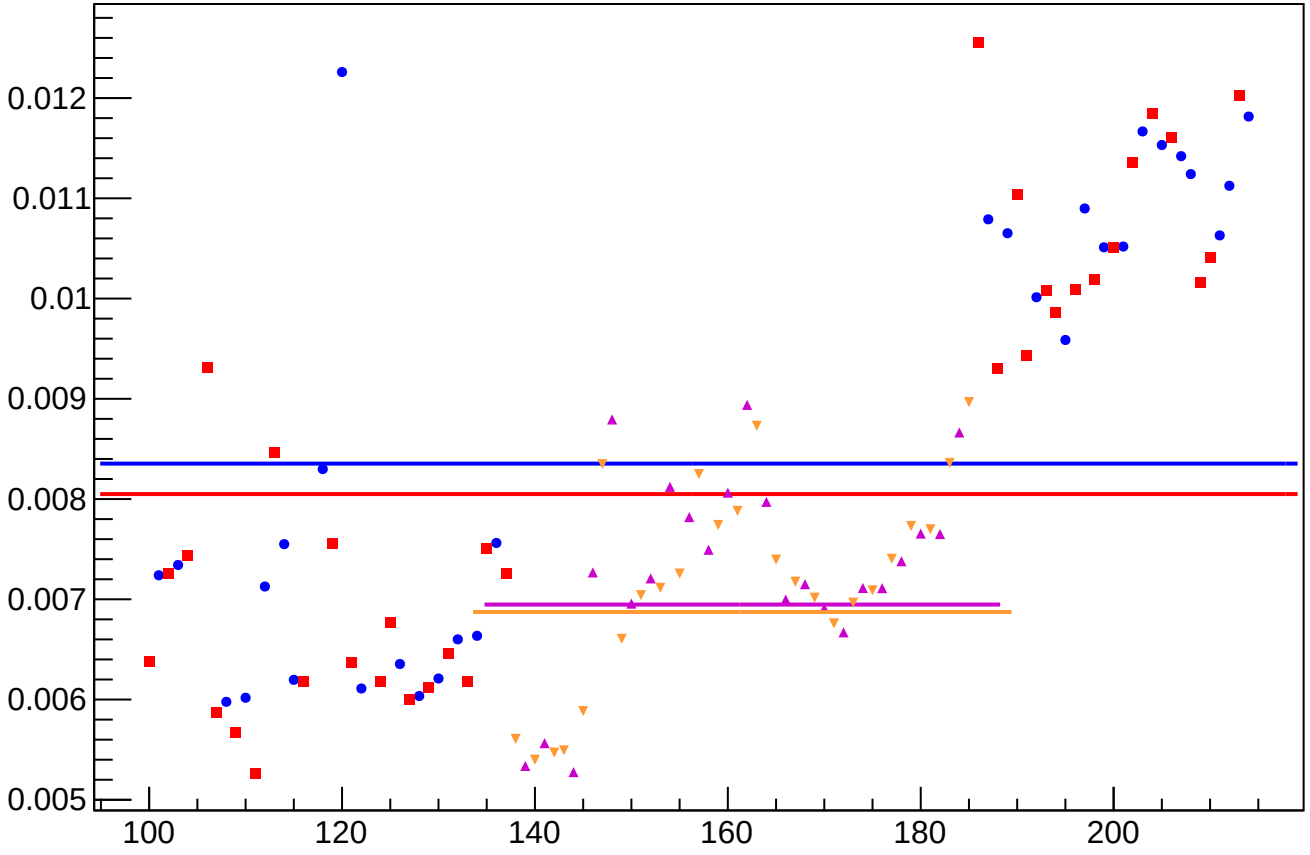
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.208+/-0.000 χ^2/NDF: 365782782710.6/54

All: -1.219+/-0.000 χ^2/NDF: 730134328576.

- sign -1.229+/-0.000 χ^2/NDF: 364221187982.6/56

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2142500.9/29

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

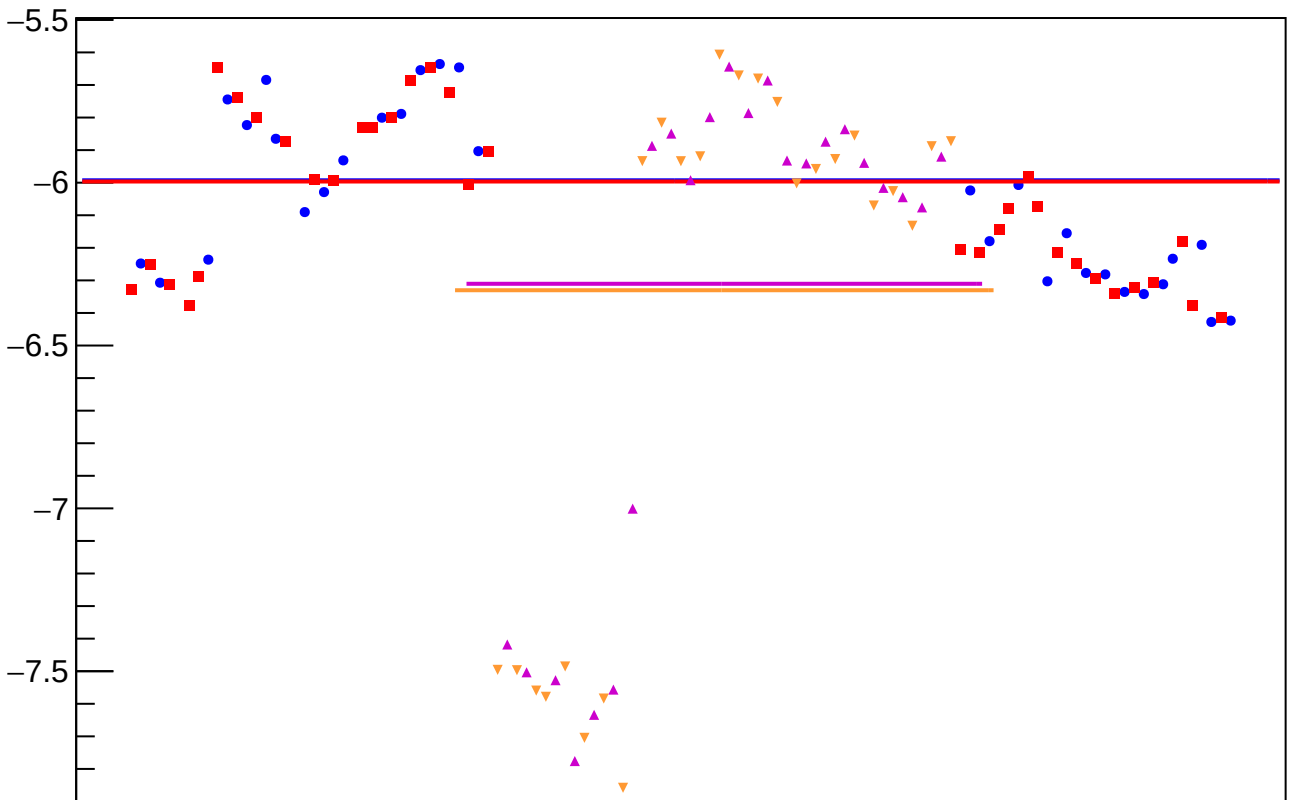
Right Out: 0.008+/-0.000 χ^2/NDF: 2386402.9/33

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 3523253.6/54

All: 0.007+/-0.000 χ^2/NDF: 7022021.0/111

- sign 0.007+/-0.000 χ^2/NDF: 3498604.9/56



Right In: -5.993+/-0.000 χ^2/NDF: 17360005498.9/29

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

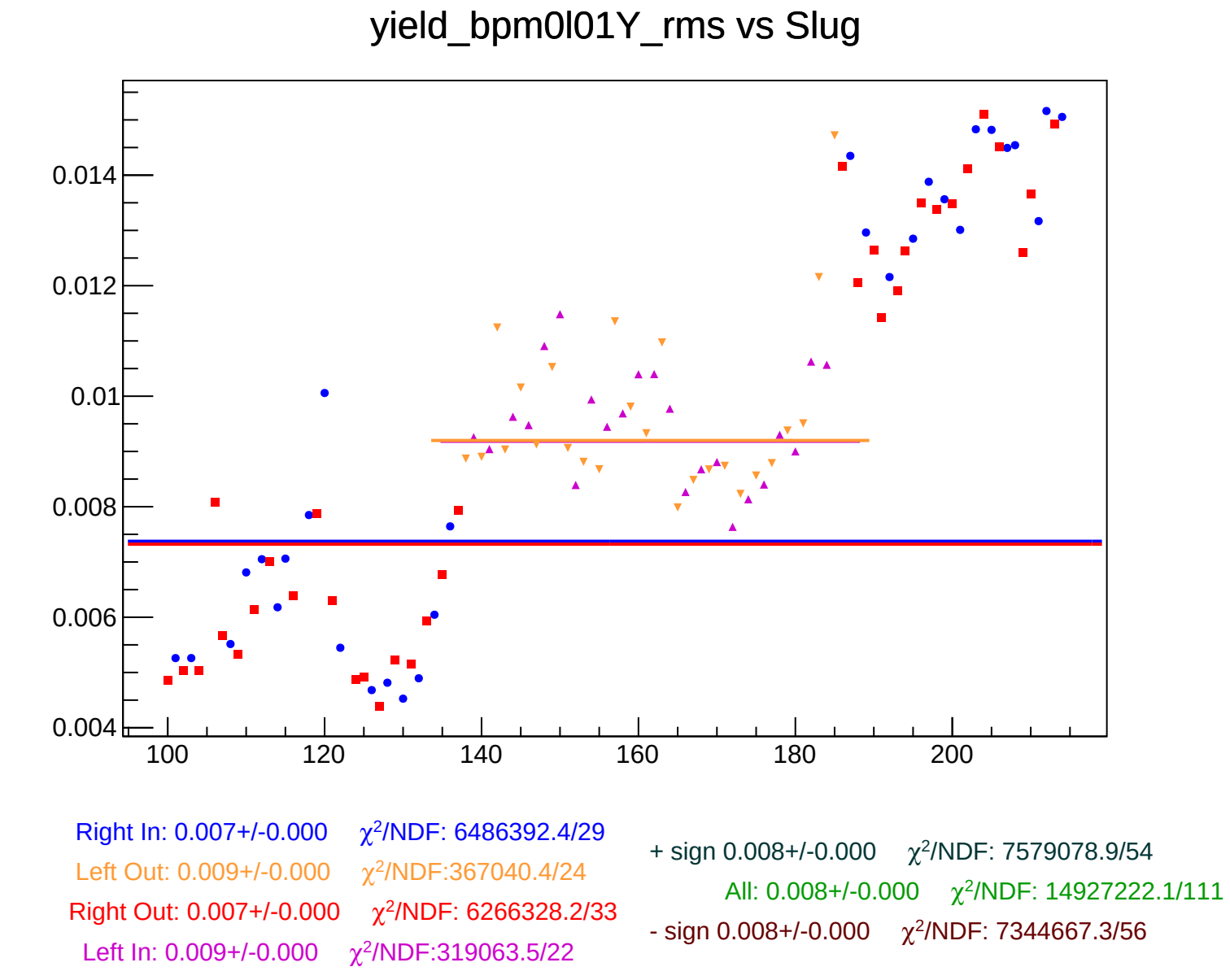
Right Out: -5.996+/-0.000 χ^2/NDF: 17821660921.1/33

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

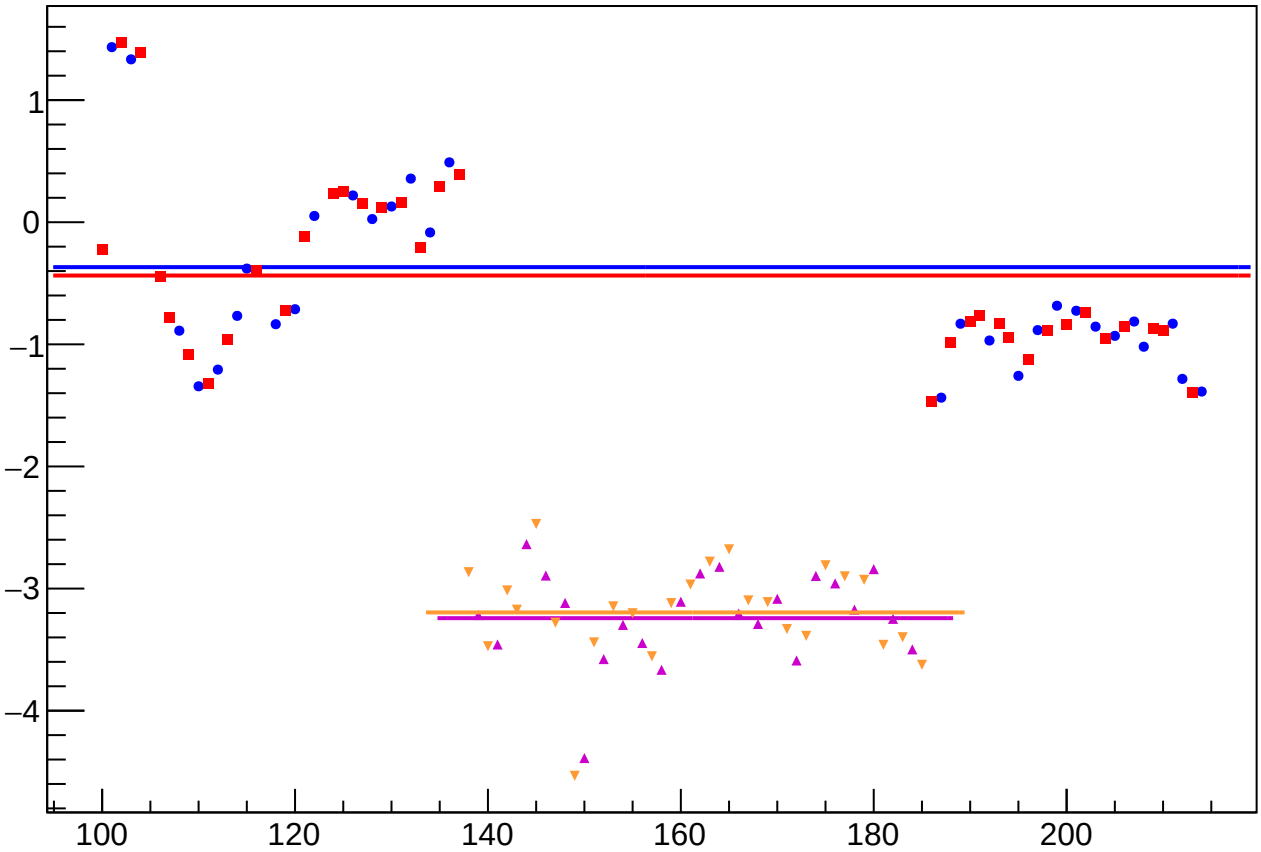
+ sign -6.137+/-0.000 χ^2/NDF: 140109863141.6/54

All: -6.130+/-0.000 χ^2/NDF: 260463784283.3

- sign -6.122+/-0.000 χ^2/NDF: 120302705235.7/56


yield_bpm0l01Y_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
100
120
140
160
180
200
Right In: 0.007+/-0.000 χ²/NDF: 6486392.4/29
Left Out: 0.009+/-0.000 χ²/NDF:367040.4/24
Right Out: 0.007+/-0.000 χ²/NDF: 6266328.2/33
Left In: 0.009+/-0.000 χ²/NDF:319063.5/22
+ sign 0.008+/-0.000 χ²/NDF: 7579078.9/54
All: 0.008+/-0.000 χ²/NDF: 14927222.1/111
- sign 0.008+/-0.000 χ²/NDF: 7344667.3/56

yield_bpm0l02X_mean vs Slug



Right In: -0.368+/-0.000 χ^2/NDF: 38547276374.8/29

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.437+/-0.000 χ^2/NDF: 38200136160.4/33

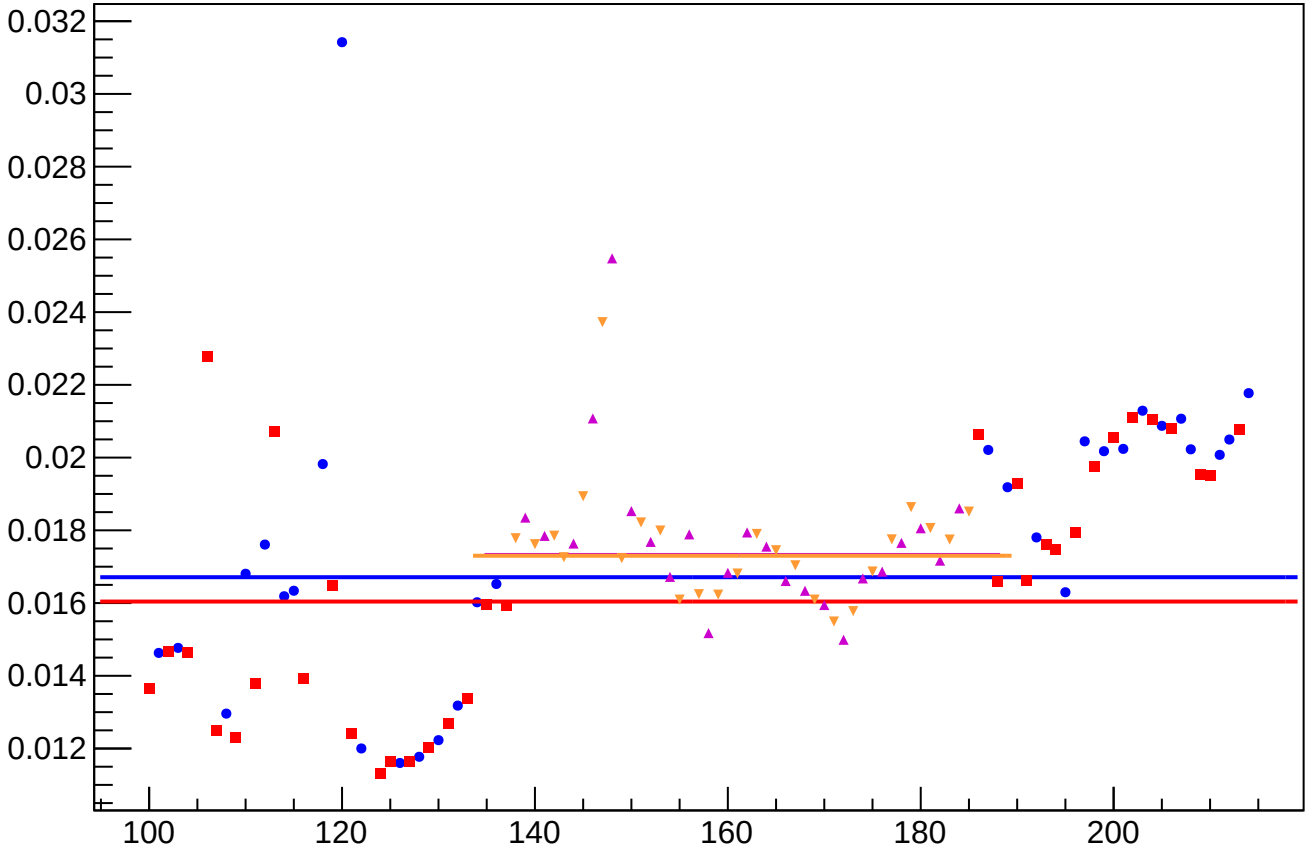
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.812+/-0.000 χ^2/NDF: 290832515013.9/54

All: -1.773+/-0.000 χ^2/NDF: 584456261567.8

- sign -1.735+/-0.000 χ^2/NDF: 293250384843.5/56

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1562749.5/29

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

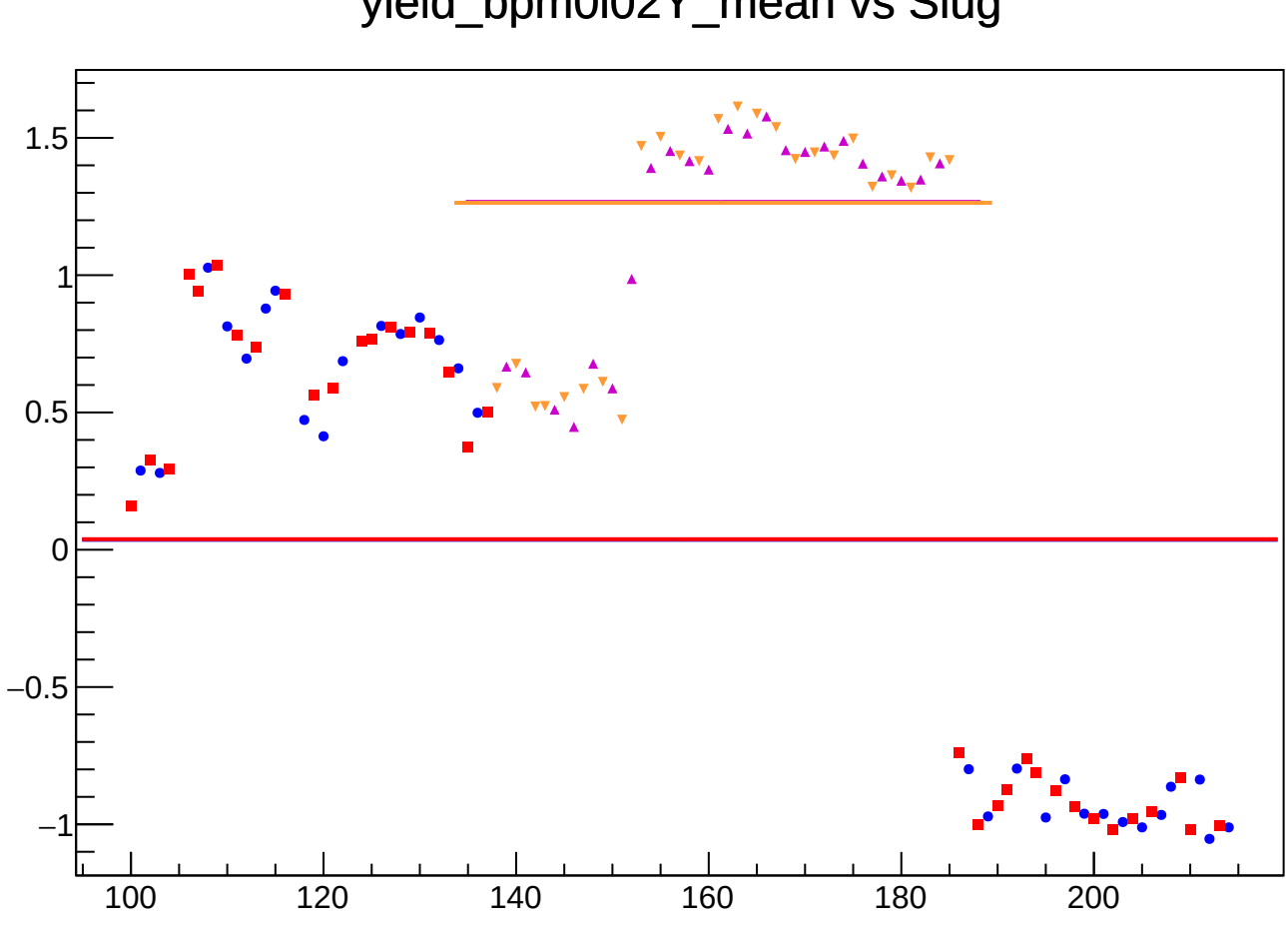
Right Out: 0.016+/-0.000 χ^2/NDF: 1536769.6/33

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1801936.3/54

All: 0.017+/-0.000 χ^2/NDF: 3789365.1/111

- sign 0.017+/-0.000 χ^2/NDF: 1969711.7/56



Right In: 0.036+/-0.000 χ^2/NDF: 89774858259.5/29

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.038+/-0.000 χ^2/NDF: 100084273496.4/33

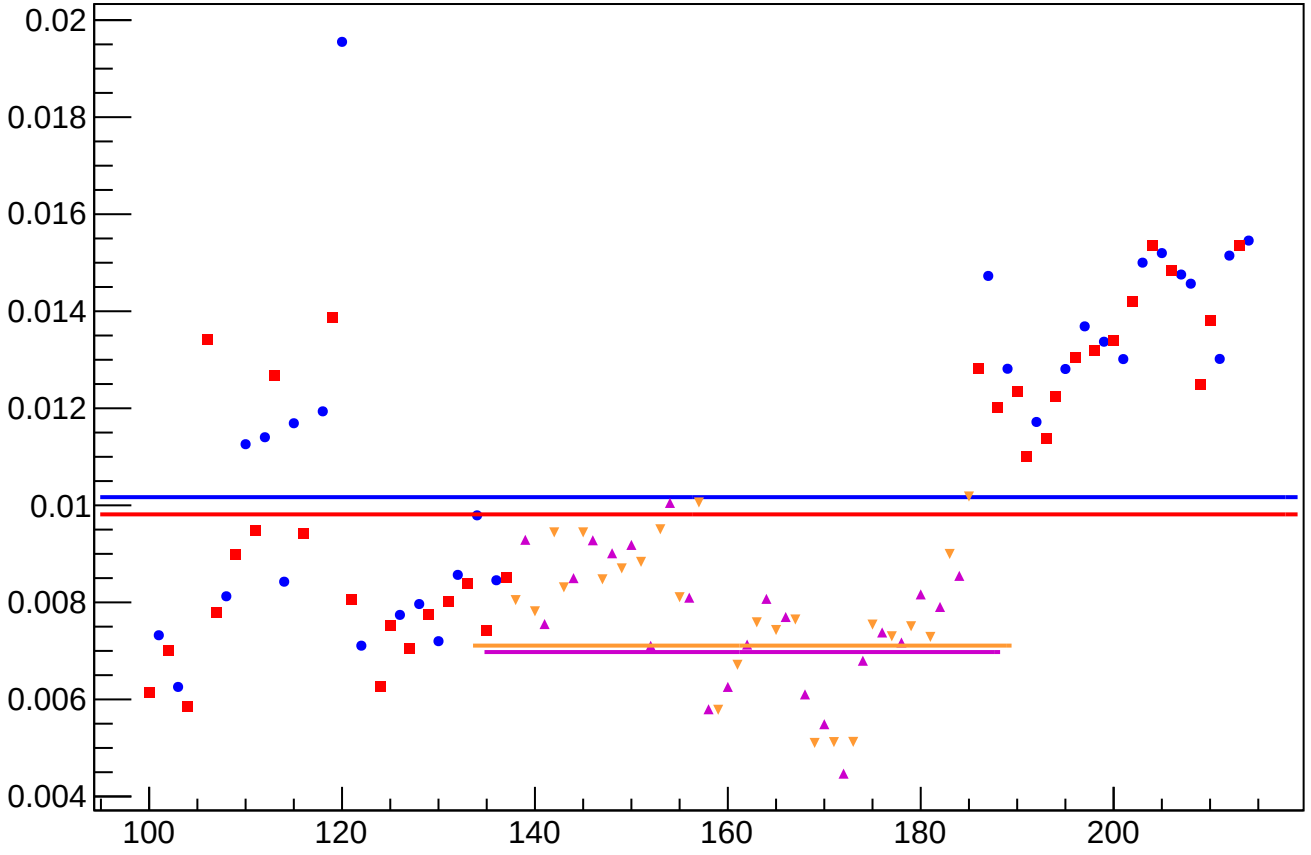
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.884+/-0.000 χ^2/NDF: 292172393225.8/54

All: 0.869+/-0.000 χ^2/NDF: 599440735903.2

- sign 0.854+/-0.000 χ^2/NDF: 307048551523.1/56

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 3020582.4/29

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

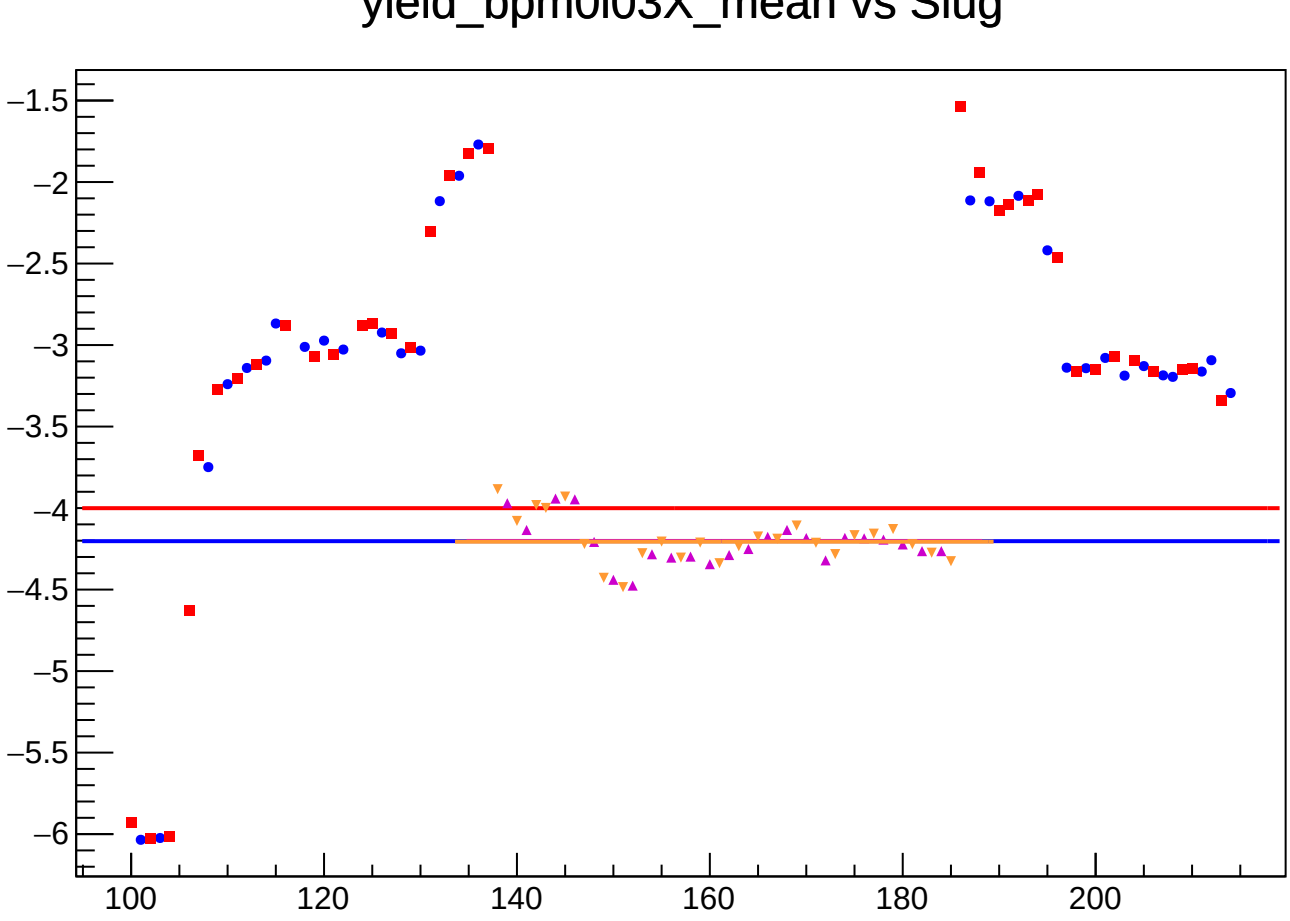
Right Out: 0.010+/-0.000 χ^2/NDF: 3027715.3/33

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 6489409.3/54

All: 0.008+/-0.000 χ^2/NDF: 12788818.6/111

- sign 0.008+/-0.000 χ^2/NDF: 6291543.9/56



Right In: -4.203+/-0.000 χ^2/NDF: 300474679324.2/29

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.001+/-0.000 χ^2/NDF: 306678648093.4/33

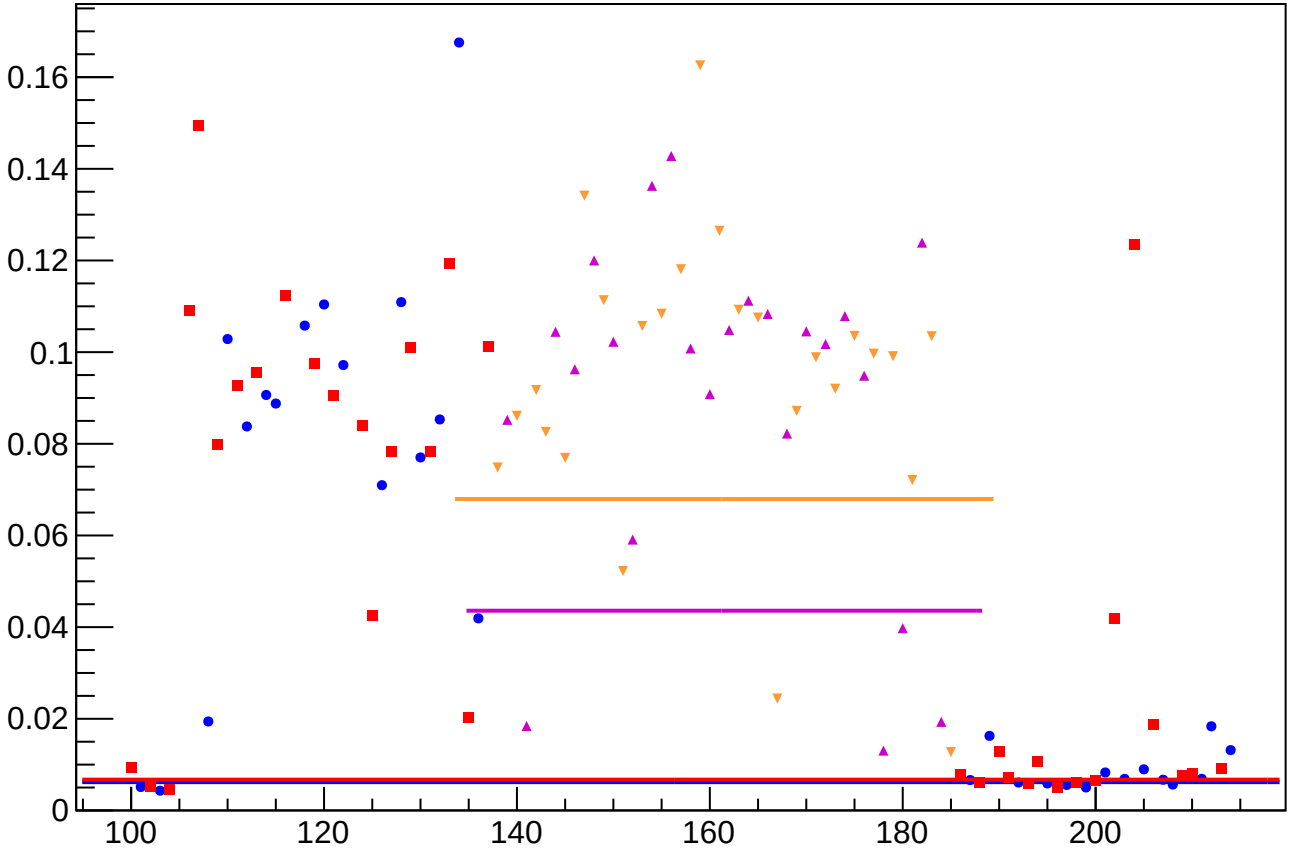
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.203+/-0.000 χ^2/NDF: 300536263491.8/54

All: -4.115+/-0.000 χ^2/NDF: 609531983740.4

- sign -4.009+/-0.000 χ^2/NDF: 306880209355.3/56

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9219363.2/29

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10736406.3/33

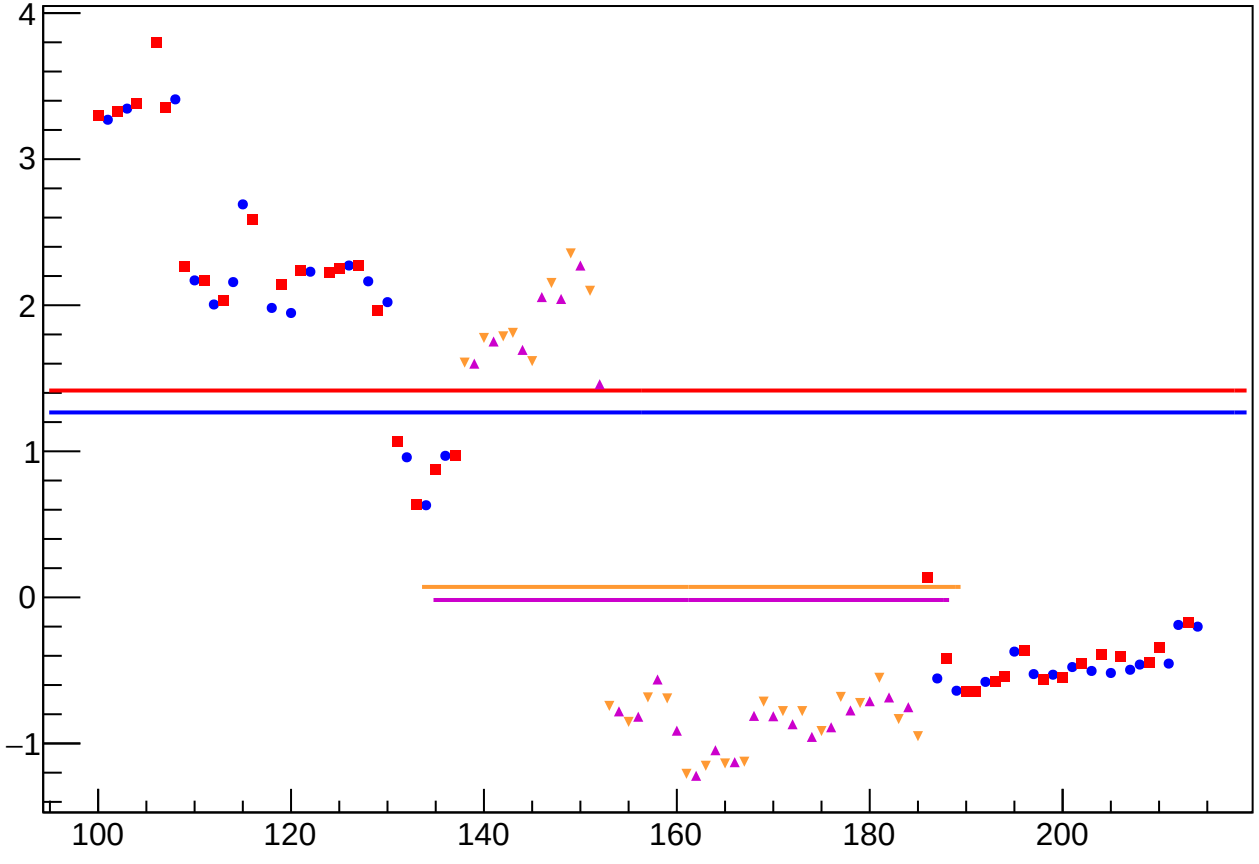
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 36724002.4/54

All: 0.008+/-0.000 χ^2/NDF: 70950593.0/111

- sign 0.008+/-0.000 χ^2/NDF: 34172745.4/56

yield_bpm0l03Y_mean vs Slug



Right In: 1.266+/-0.000 χ^2/NDF: 235235590377.9/29

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.416+/-0.000 χ^2/NDF: 208353449520.7/33

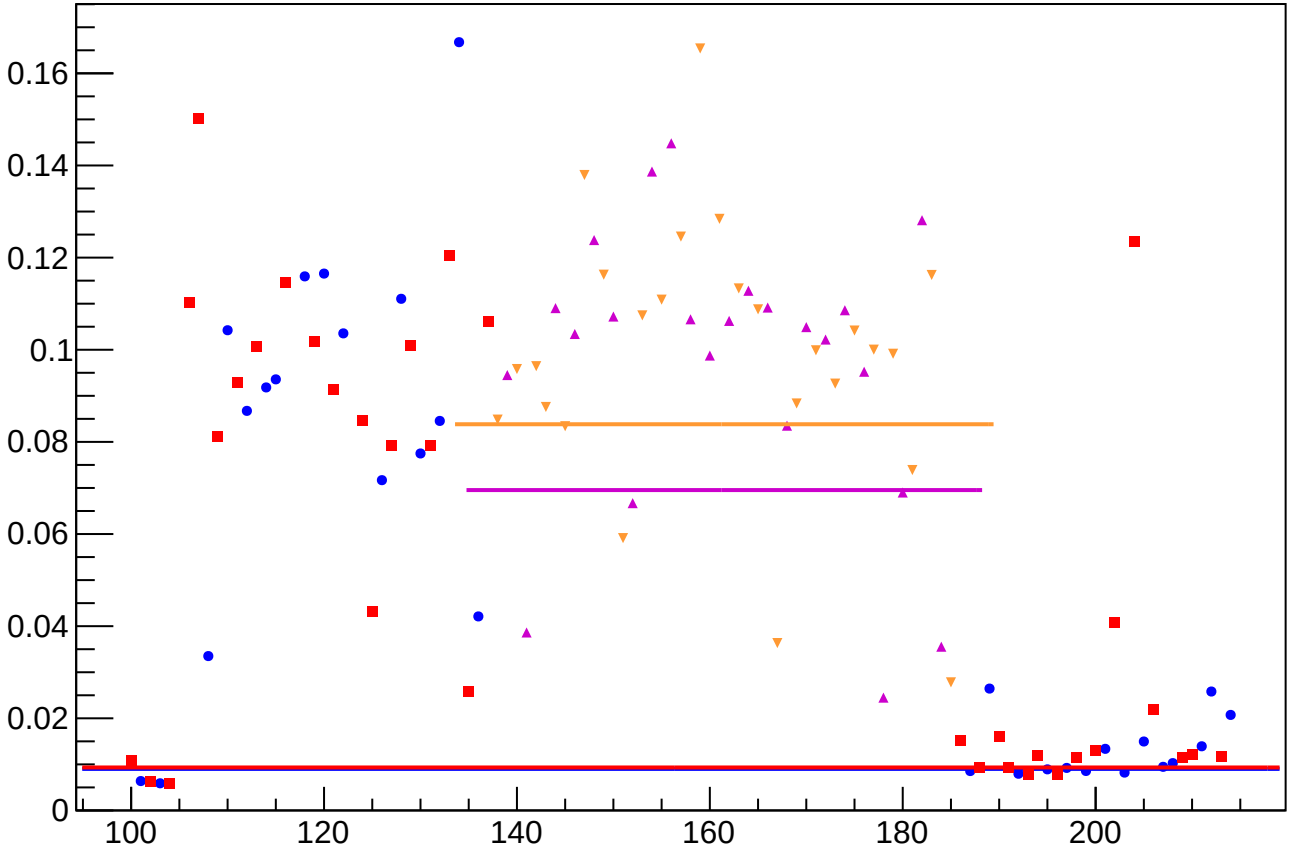
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.230+/-0.000 χ^2/NDF: 241717462265.6/54

All: 1.292+/-0.000 χ^2/NDF: 458777708854.8

- sign 1.361+/-0.000 χ^2/NDF: 216509820467.7/56

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9262312.1/29

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10517376.1/33

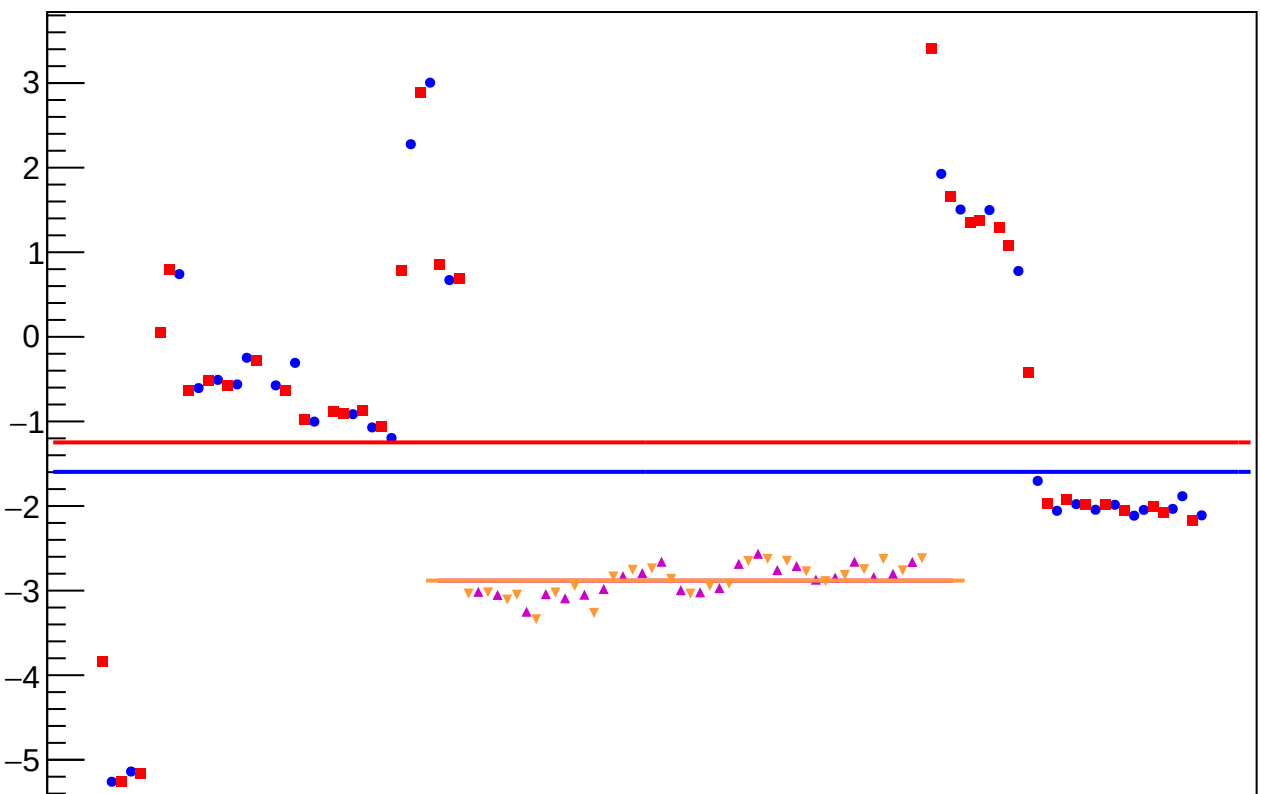
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35426425.9/54

All: 0.011+/-0.000 χ^2/NDF: 69225107.4/111

- sign 0.012+/-0.000 χ^2/NDF: 33789024.8/56

yield_bpm0l04X_mean vs Slug



Right In: -1.596+/-0.000 χ^2/NDF: 209704746068.9/29

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.248+/-0.000 χ^2/NDF: 239764445083.6/33

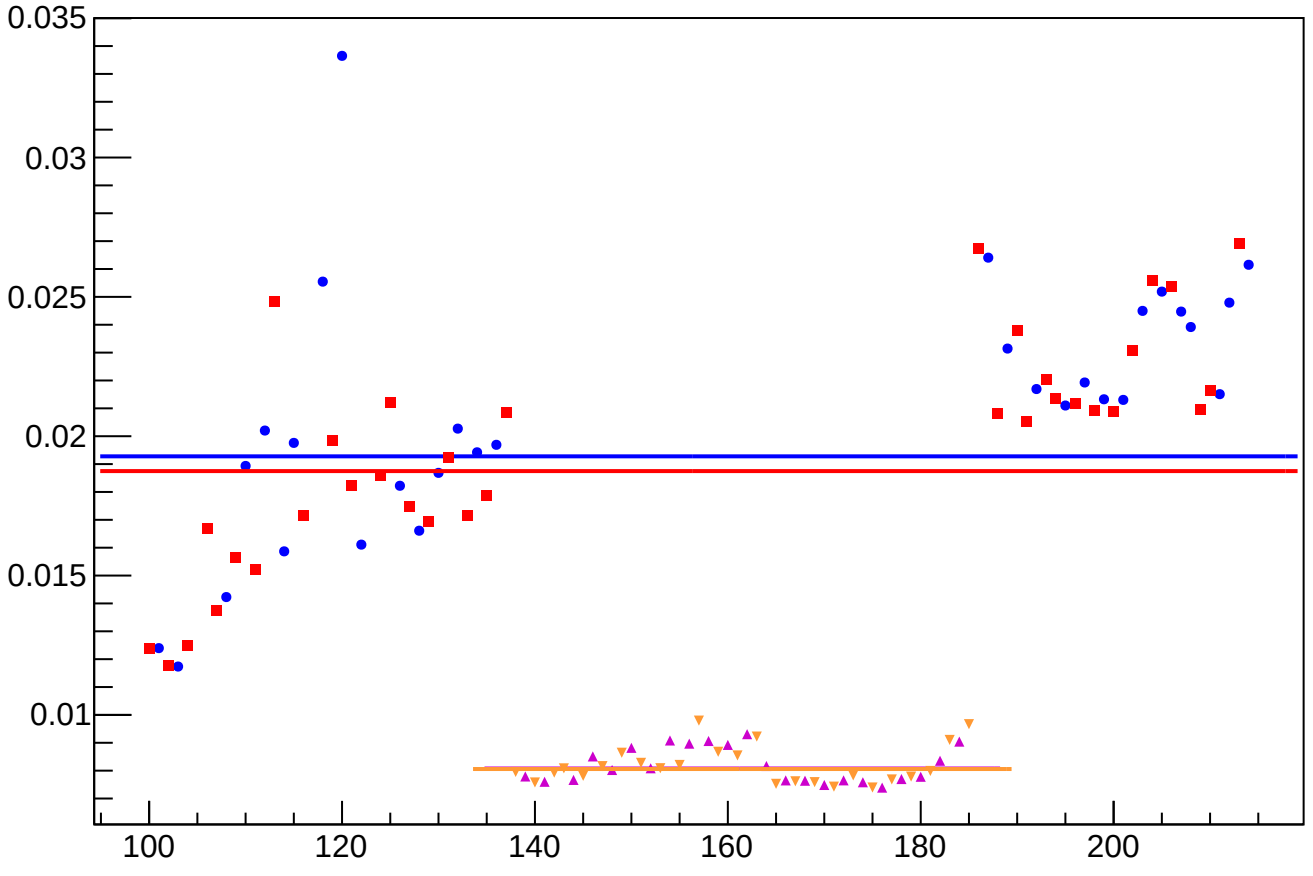
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.713+/-0.000 χ^2/NDF: 281689075999.4/54

All: -2.674+/-0.000 χ^2/NDF: 639254223076.2

- sign -2.634+/-0.000 χ^2/NDF: 356574824578.9/56

yield_bpm0l04X_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 1868452.8/29

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 1718231.9/33

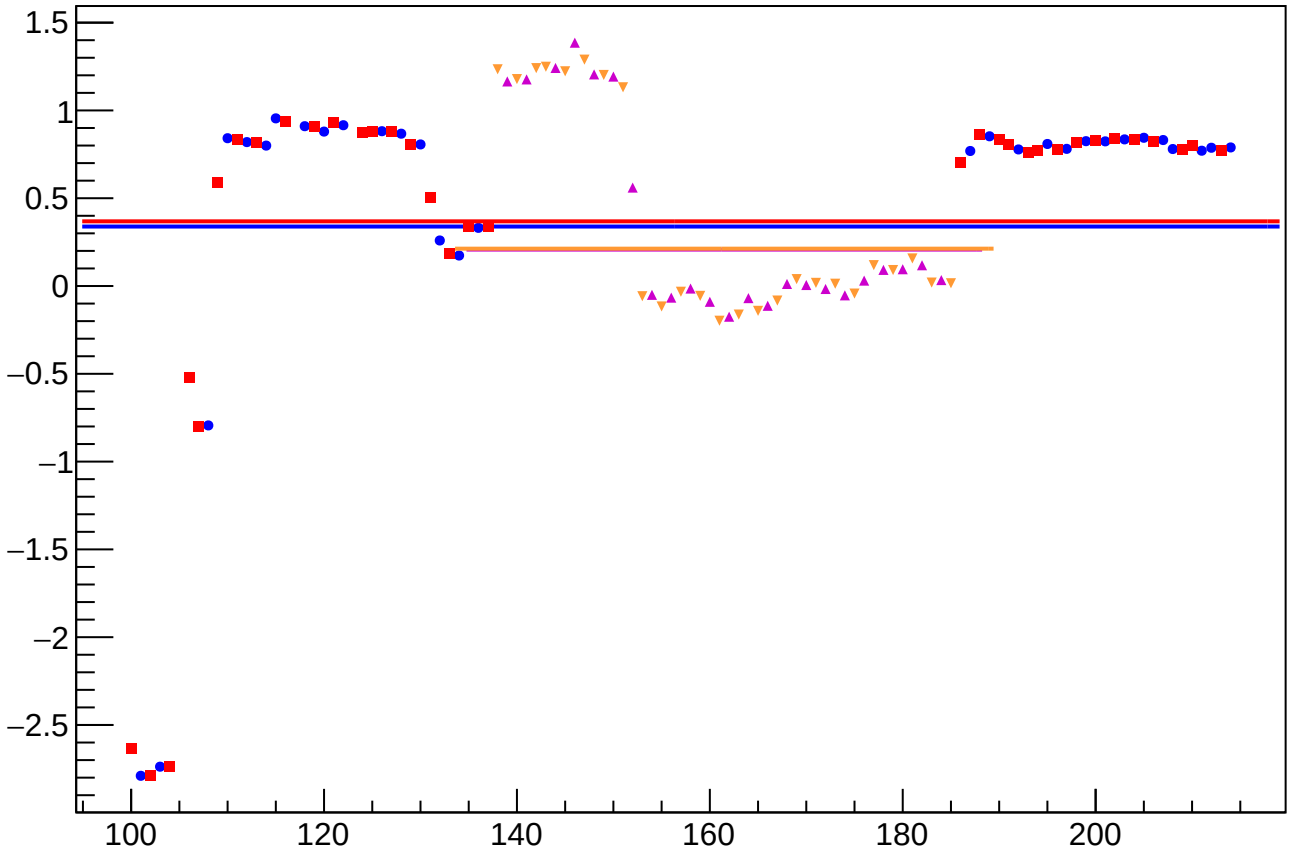
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 11420365.3/54

All: 0.010+/-0.000 χ^2/NDF: 22579264.0/111

- sign 0.010+/-0.000 χ^2/NDF: 11149694.4/56

yield_bpm0l04Y_mean vs Slug



Right In: 0.339+/-0.000 χ^2/NDF: 976431740500.0/29

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.368+/-0.000 χ^2/NDF: 1060833179946.5/33

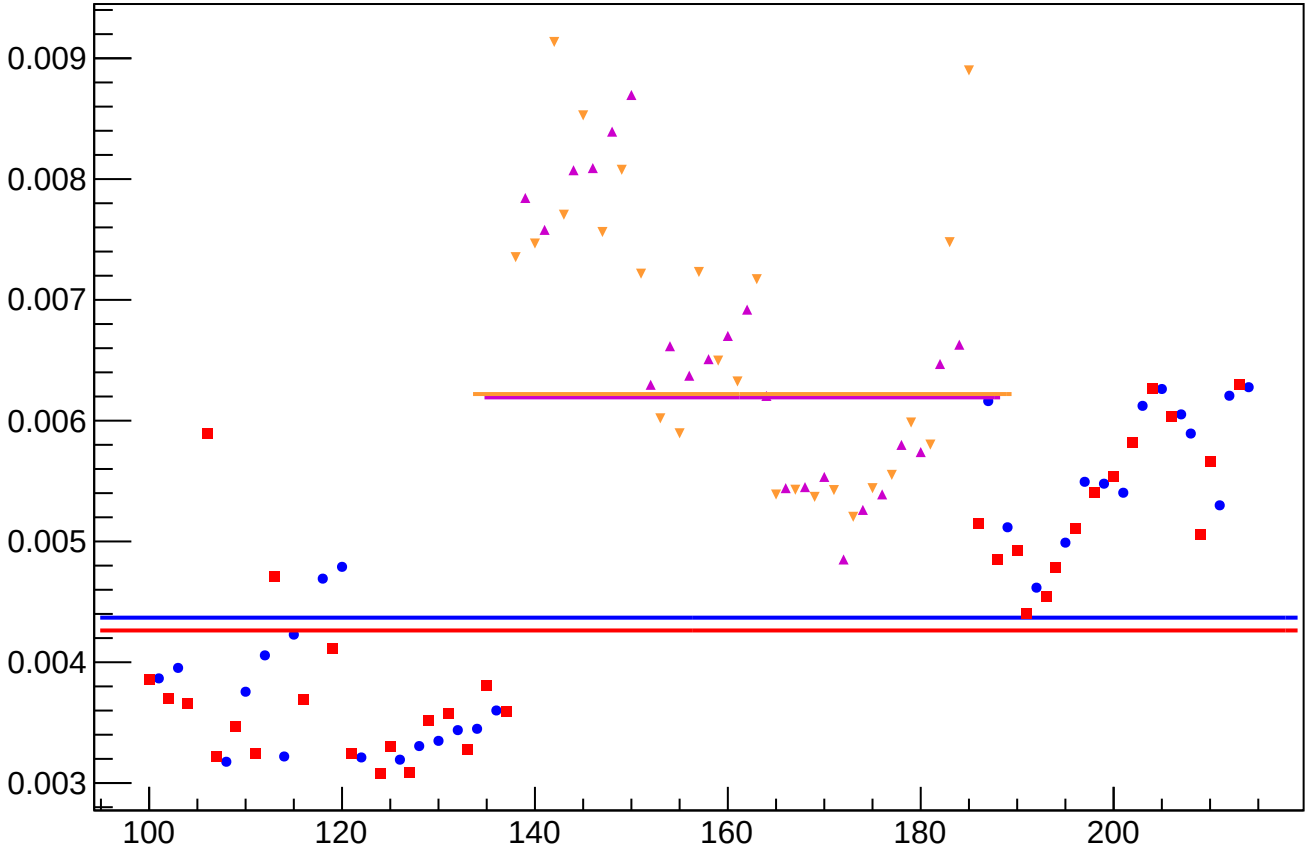
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.297+/-0.000 χ^2/NDF: 1083814639158.5/54

All: 0.309+/-0.000 χ^2/NDF: 2239561354457.

- sign 0.320+/-0.000 χ^2/NDF: 1155403118639.5/56

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1959011.3/29

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

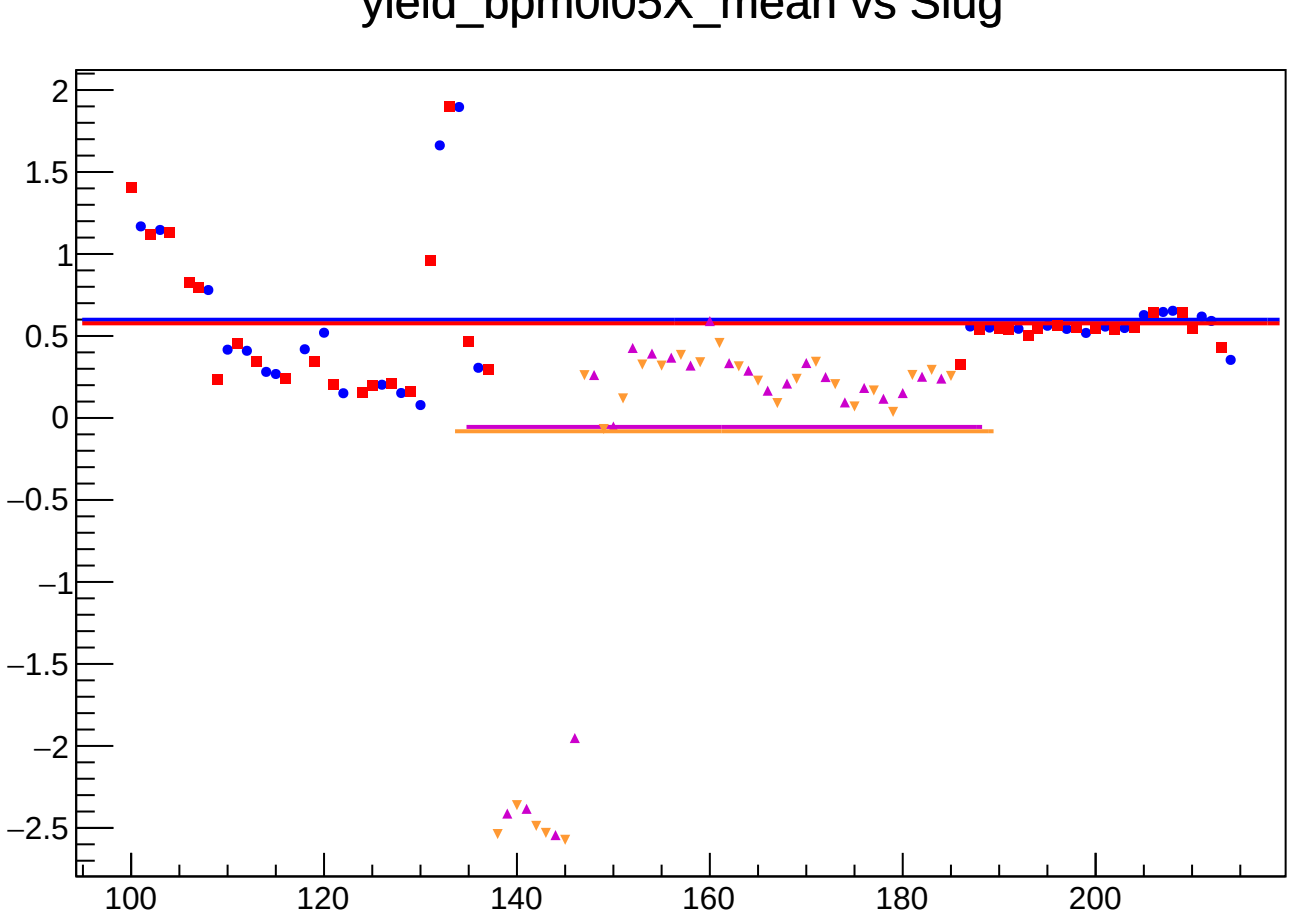
Right Out: 0.004+/-0.000 χ^2/NDF: 1874351.0/33

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4742865.2/54

All: 0.005+/-0.000 χ^2/NDF: 9603238.6/111

- sign 0.005+/-0.000 χ^2/NDF: 4835625.3/56



Right In: 0.599+/-0.000 χ^2/NDF: 47308955511.8/29

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 45732504971.1/33

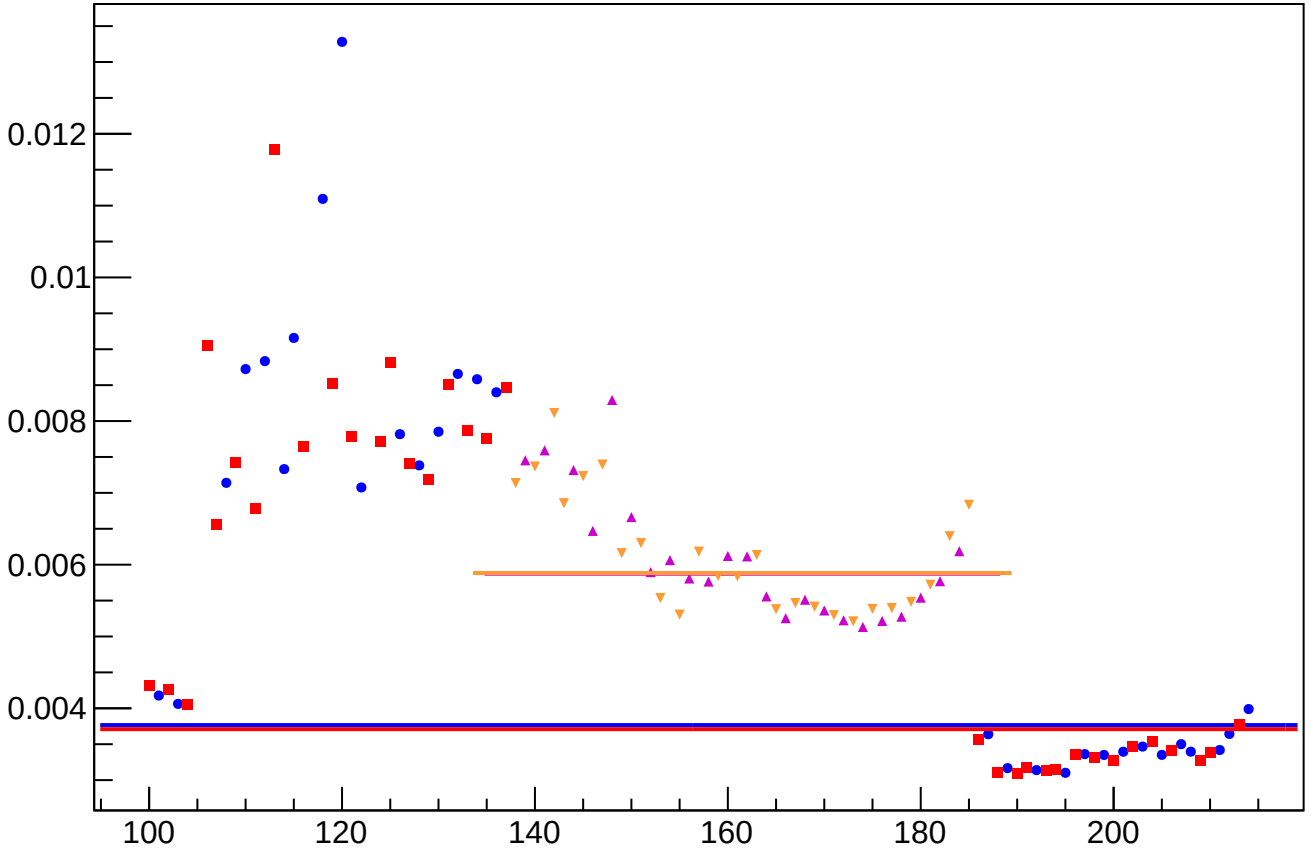
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.381+/-0.000 χ^2/NDF: 594744424445.2/54

All: 0.386+/-0.000 χ^2/NDF: 1124242003368.

- sign 0.392+/-0.000 χ^2/NDF: 529398746791.8/56

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3491279.0/29

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

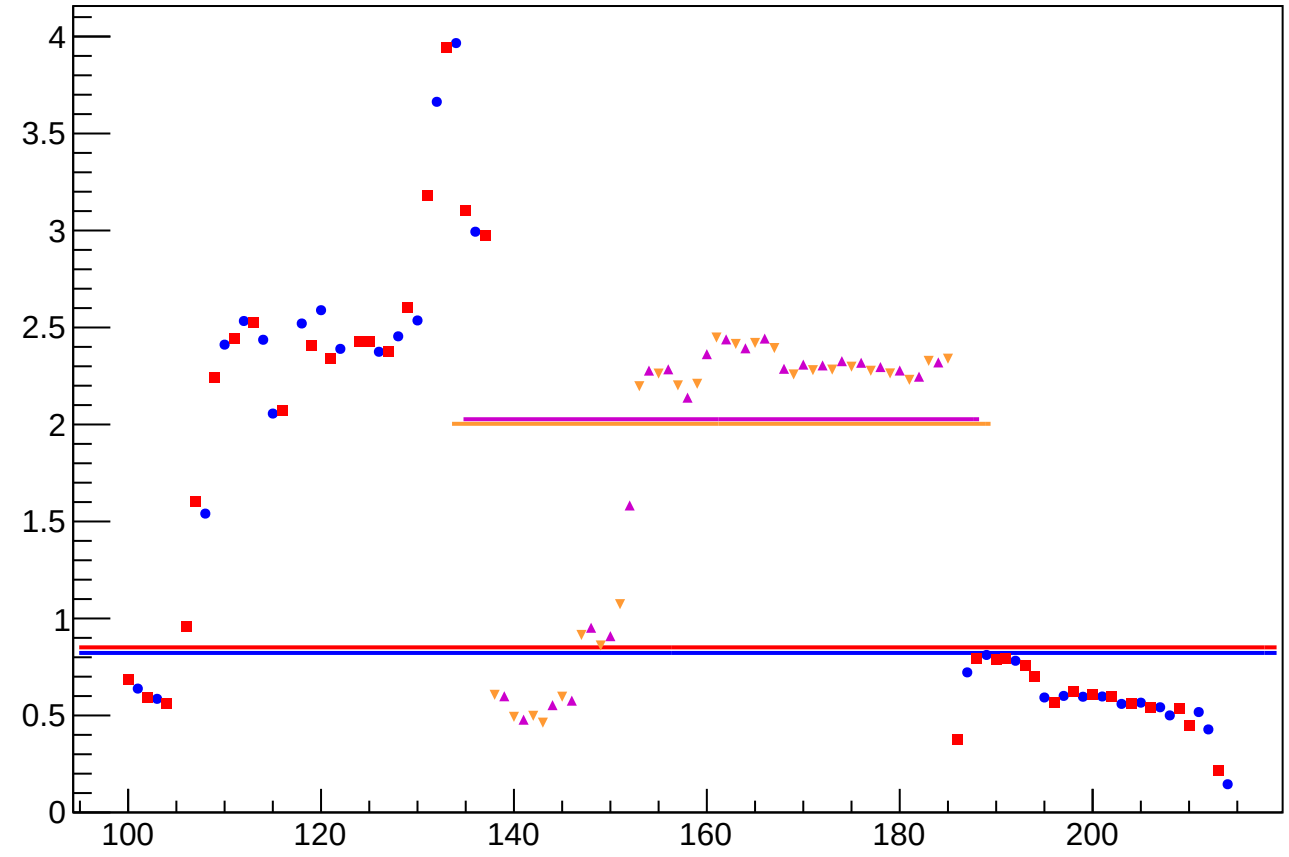
Right Out: 0.004+/-0.000 χ^2/NDF: 3479534.6/33

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7031741.2/54

All: 0.004+/-0.000 χ^2/NDF: 14260292.6/111

- sign 0.004+/-0.000 χ^2/NDF: 7212002.2/56



Right In: 0.822+/-0.000 χ^2/NDF: 260458454122.4/29

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.851+/-0.000 χ^2/NDF: 287816524234.5/33

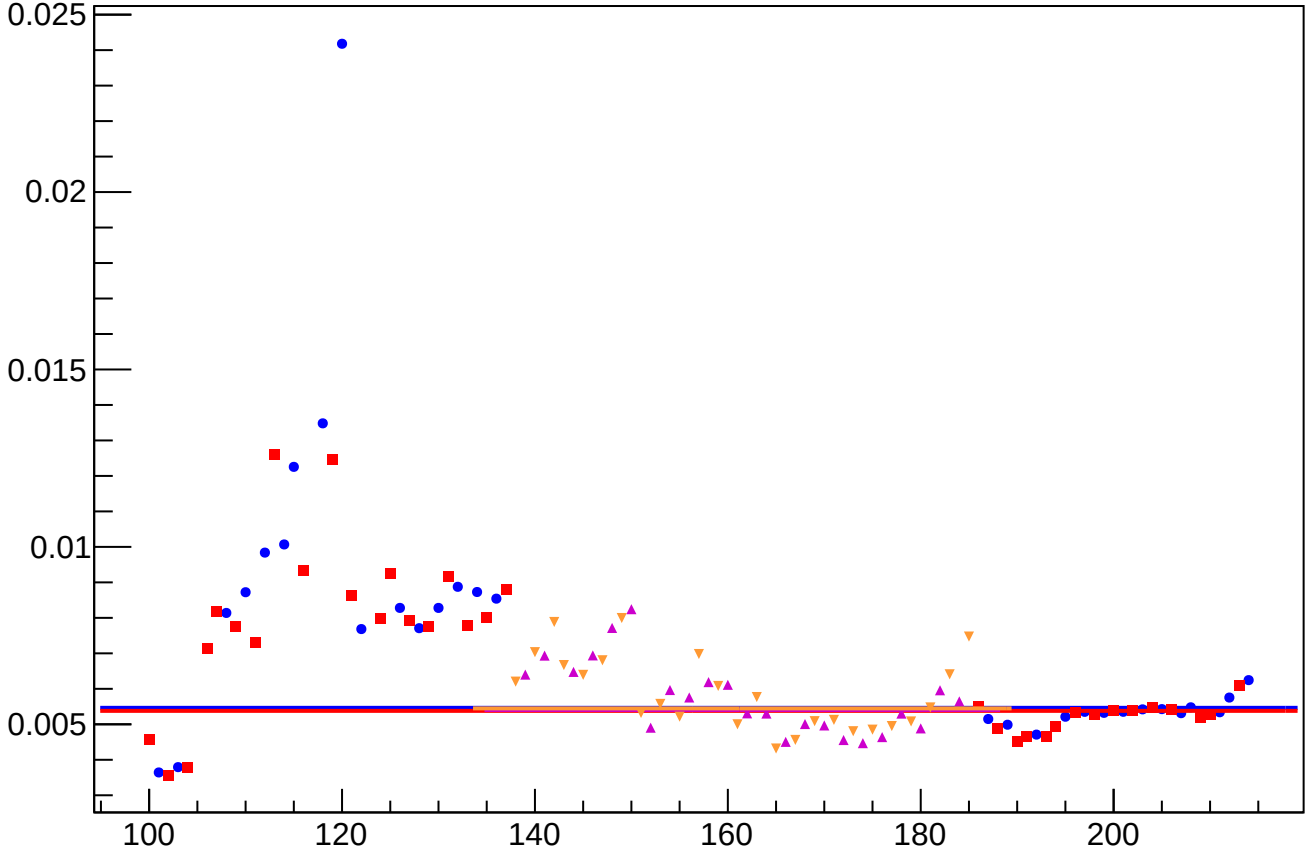
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.427+/-0.000 χ^2/NDF: 854905306028.3/54

All: 1.422+/-0.000 χ^2/NDF: 1718560588185.

- sign 1.417+/-0.000 χ^2/NDF: 863595175674.9/56

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2341769.6/29

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2152955.1/33

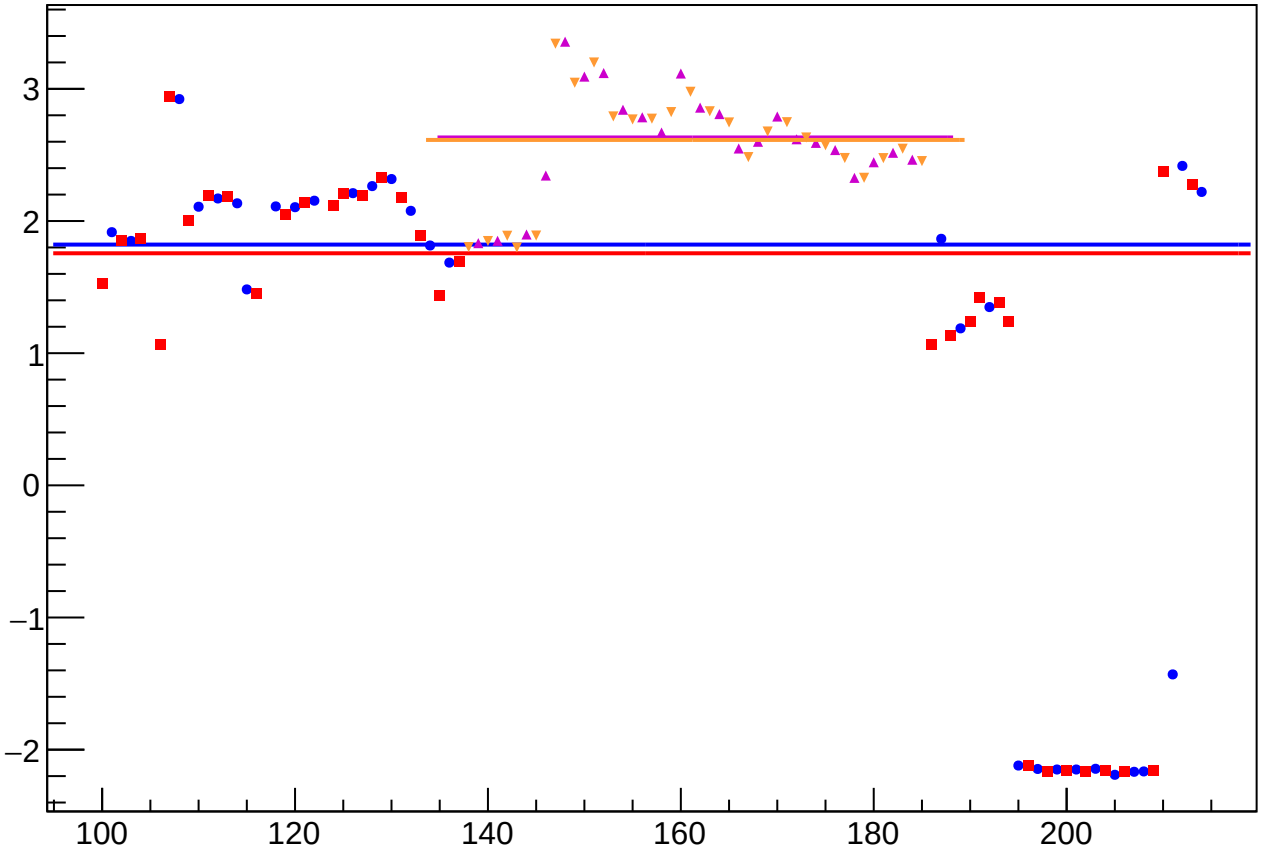
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3113312.8/54

All: 0.005+/-0.000 χ^2/NDF: 6086377.0/111

- sign 0.005+/-0.000 χ^2/NDF: 2968461.8/56

yield_bpm0l06X_mean vs Slug



Right In: 1.822+/-0.000 χ^2/NDF: 185214610362.2/29

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.756+/-0.000 χ^2/NDF: 165209790918.5/33

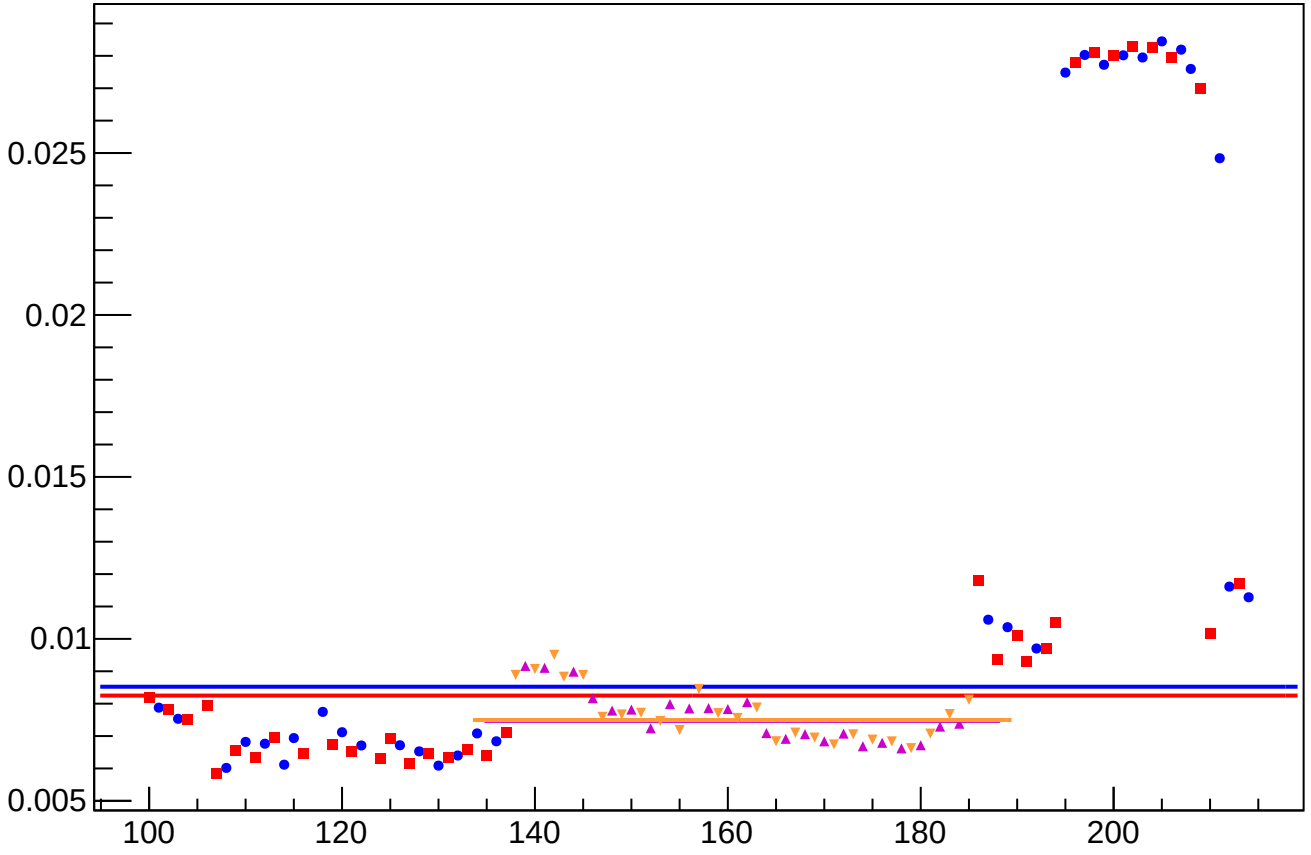
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.324+/-0.000 χ^2/NDF: 305532646981.9/54

All: 2.298+/-0.000 χ^2/NDF: 609569265285.2

- sign 2.273+/-0.000 χ^2/NDF: 303358217291.0/56

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8535069.1/29

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7394028.1/33

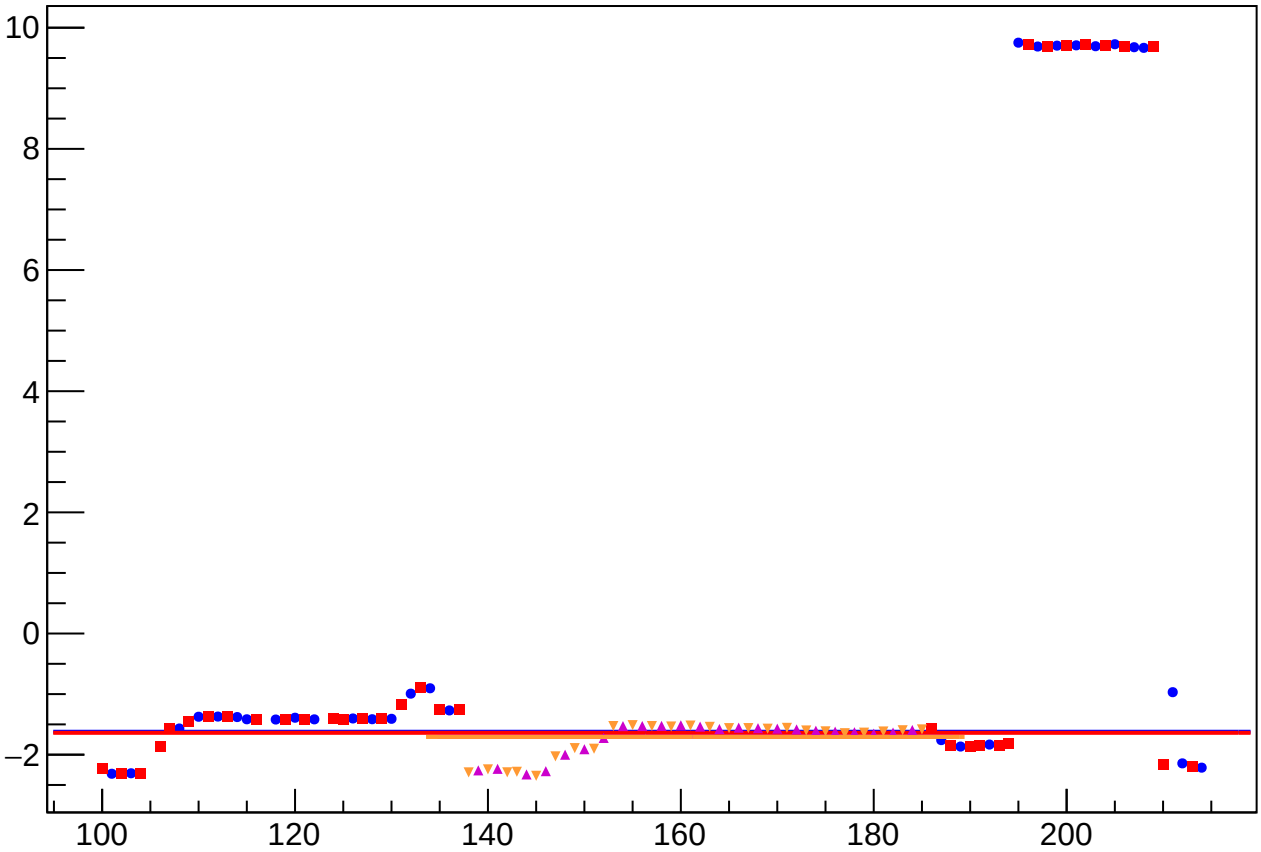
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9116806.4/54

All: 0.008+/-0.000 χ^2/NDF: 16991786.2/111

- sign 0.008+/-0.000 χ^2/NDF: 7871481.8/56

yield_bpm0l06Y_mean vs Slug



Right In: -1.622+/-0.000 χ^2/NDF: 452395542675.8/29

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.639+/-0.000 χ^2/NDF: 434452289653.8/33

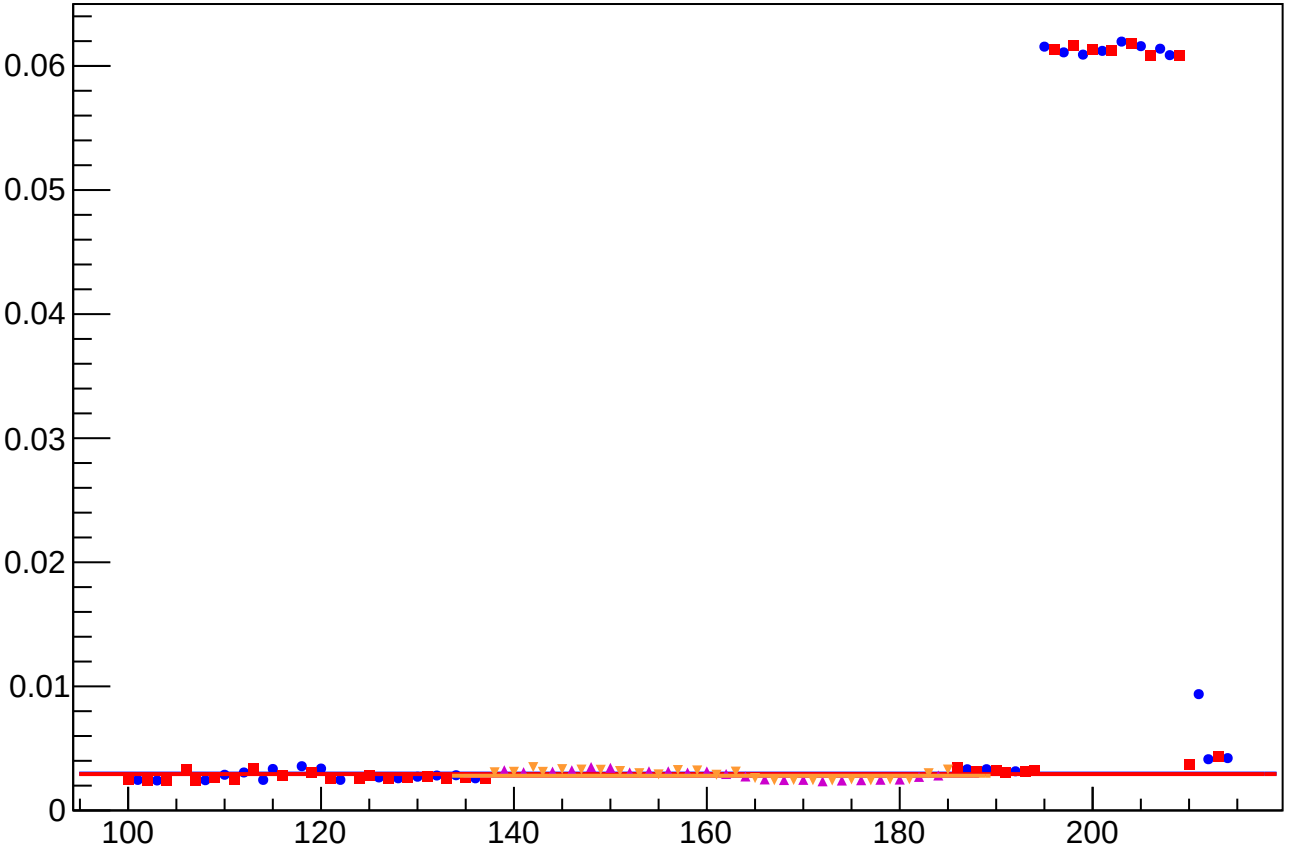
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.678+/-0.000 χ^2/NDF: 610040599539.3/54

All: -1.679+/-0.000 χ^2/NDF: 1184843726556

- sign -1.679+/-0.000 χ^2/NDF: 574800752236.7/56

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 13285882.5/29

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11731412.6/33

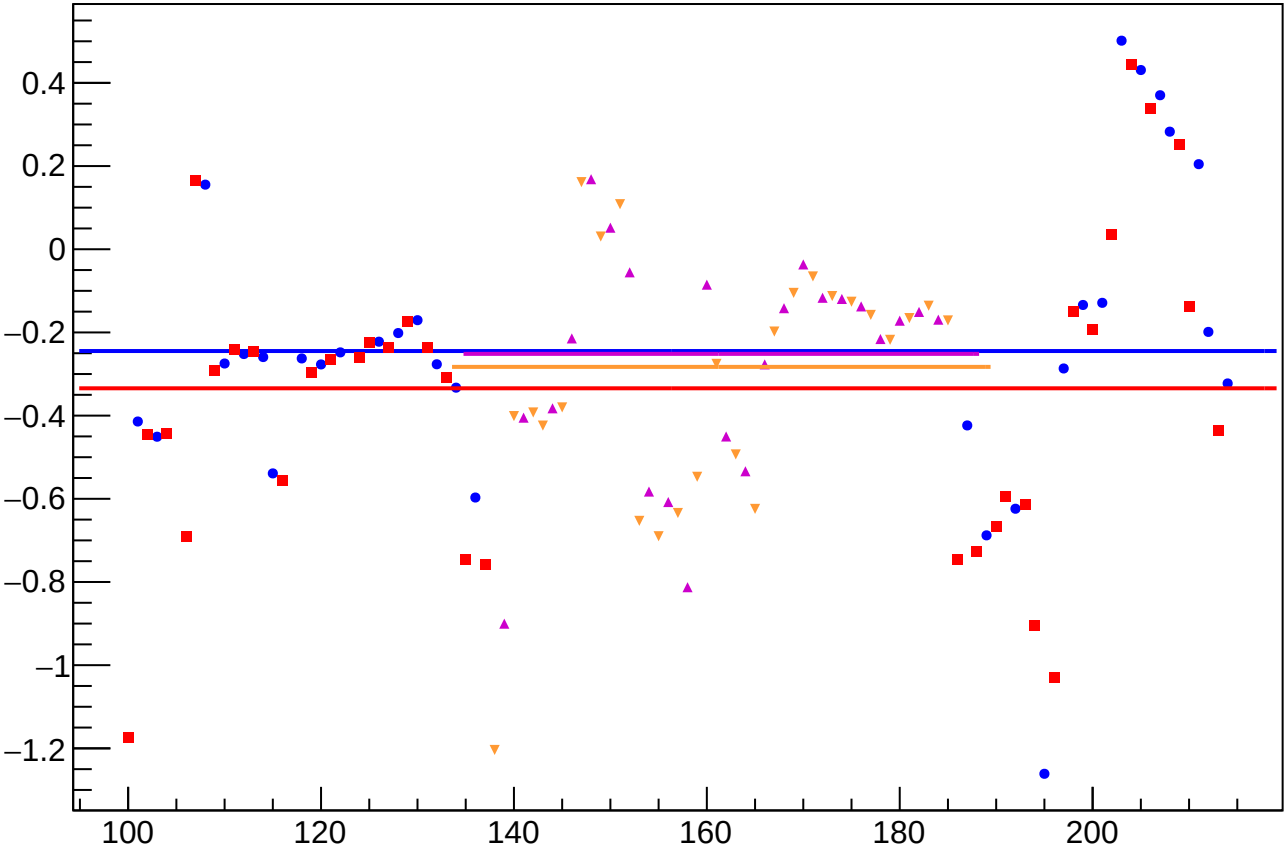
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 13880385.2/54

All: 0.003+/-0.000 χ^2/NDF: 26206840.4/111

- sign 0.003+/-0.000 χ^2/NDF: 12325784.1/56

yield_bpm0l07X_mean vs Slug



Right In: -0.245+/-0.000 χ^2/NDF: 9720956114.9/29

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.334+/-0.000 χ^2/NDF: 9916412488.2/33

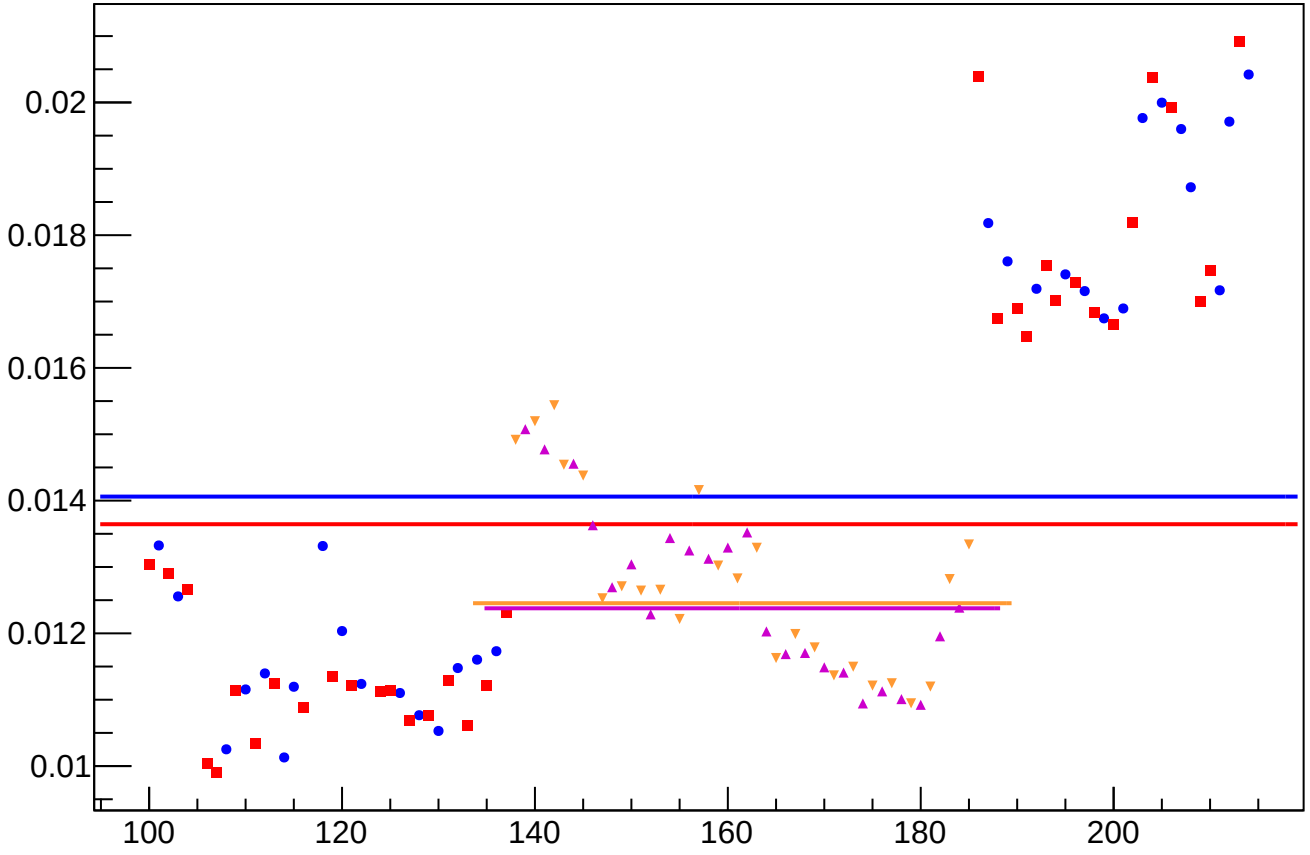
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.267+/-0.000 χ^2/NDF: 19135889497.5/54

All: -0.278+/-0.000 χ^2/NDF: 36620409450.8/

- sign -0.289+/-0.000 χ^2/NDF: 17434345954.1/56

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1951762.3/29

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2134243.9/33

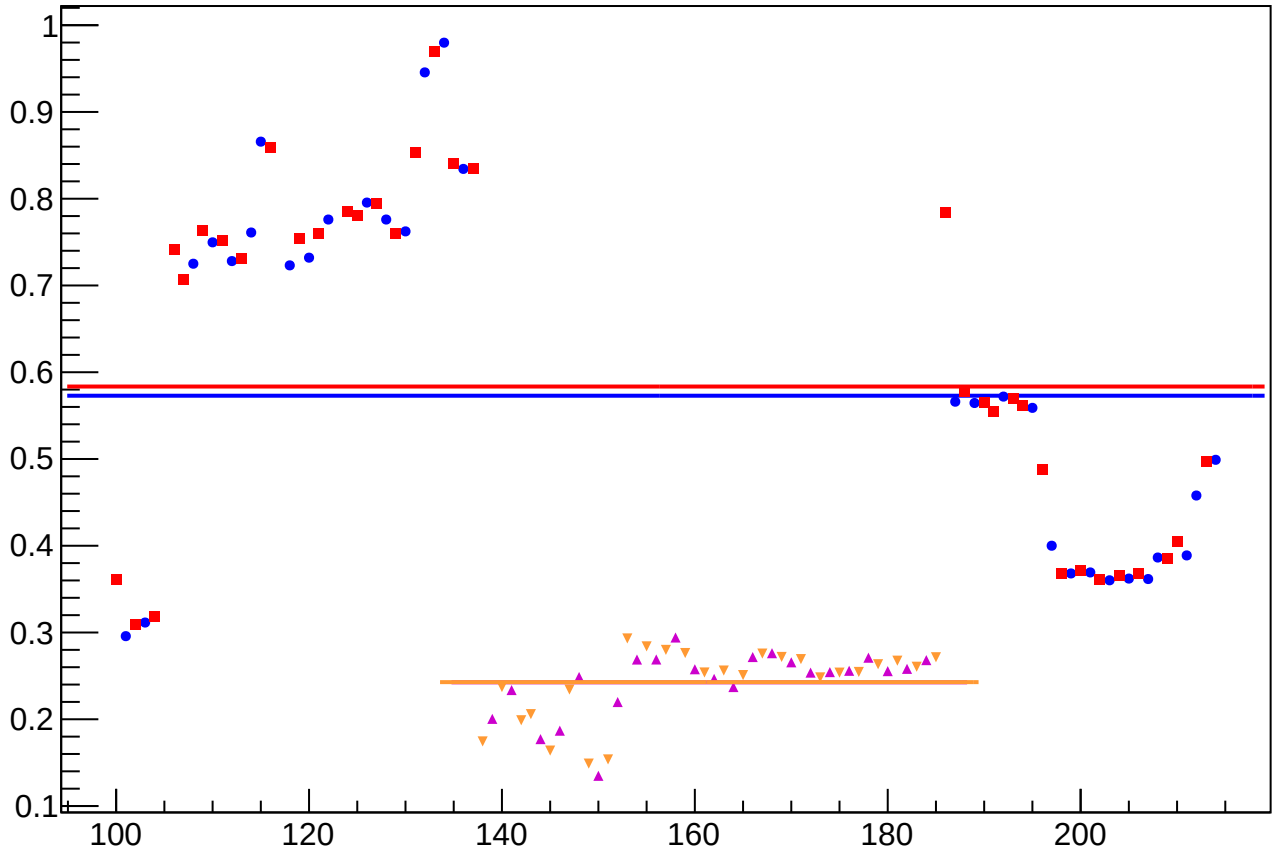
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 2547148.2/54

All: 0.013+/-0.000 χ^2/NDF: 5178818.9/111

- sign 0.013+/-0.000 χ^2/NDF: 2625437.6/56

yield_bpm0l07Y_mean vs Slug



Right In: 0.573+/-0.000 χ^2/NDF: 98366766938.9/29

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.584+/-0.000 χ^2/NDF: 93468474056.9/33

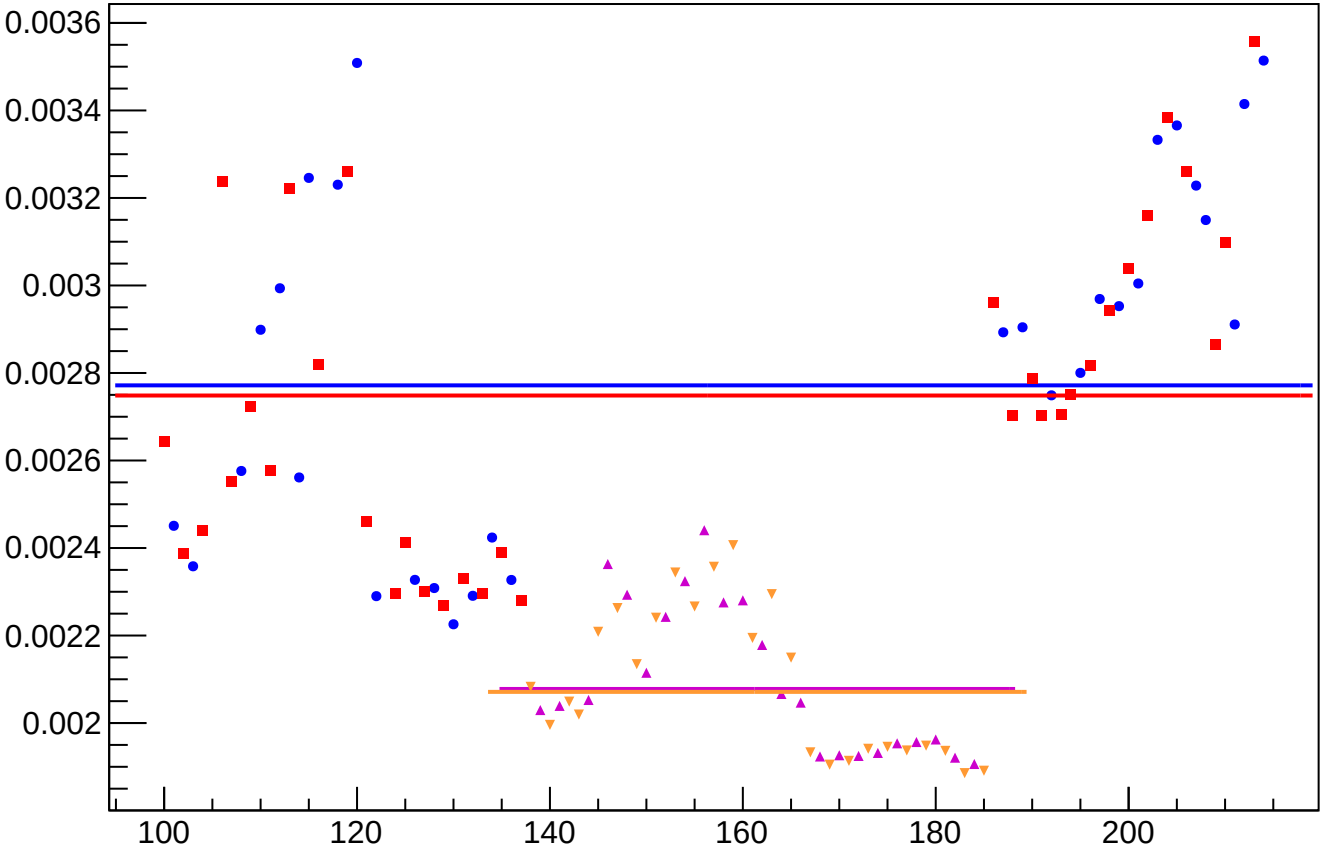
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.354+/-0.000 χ^2/NDF: 269046887727.5/54

All: 0.360+/-0.000 χ^2/NDF: 545848450480.3

- sign 0.367+/-0.000 χ^2/NDF: 276283676290.4/56

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 728526.7/29

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 592638.6/33

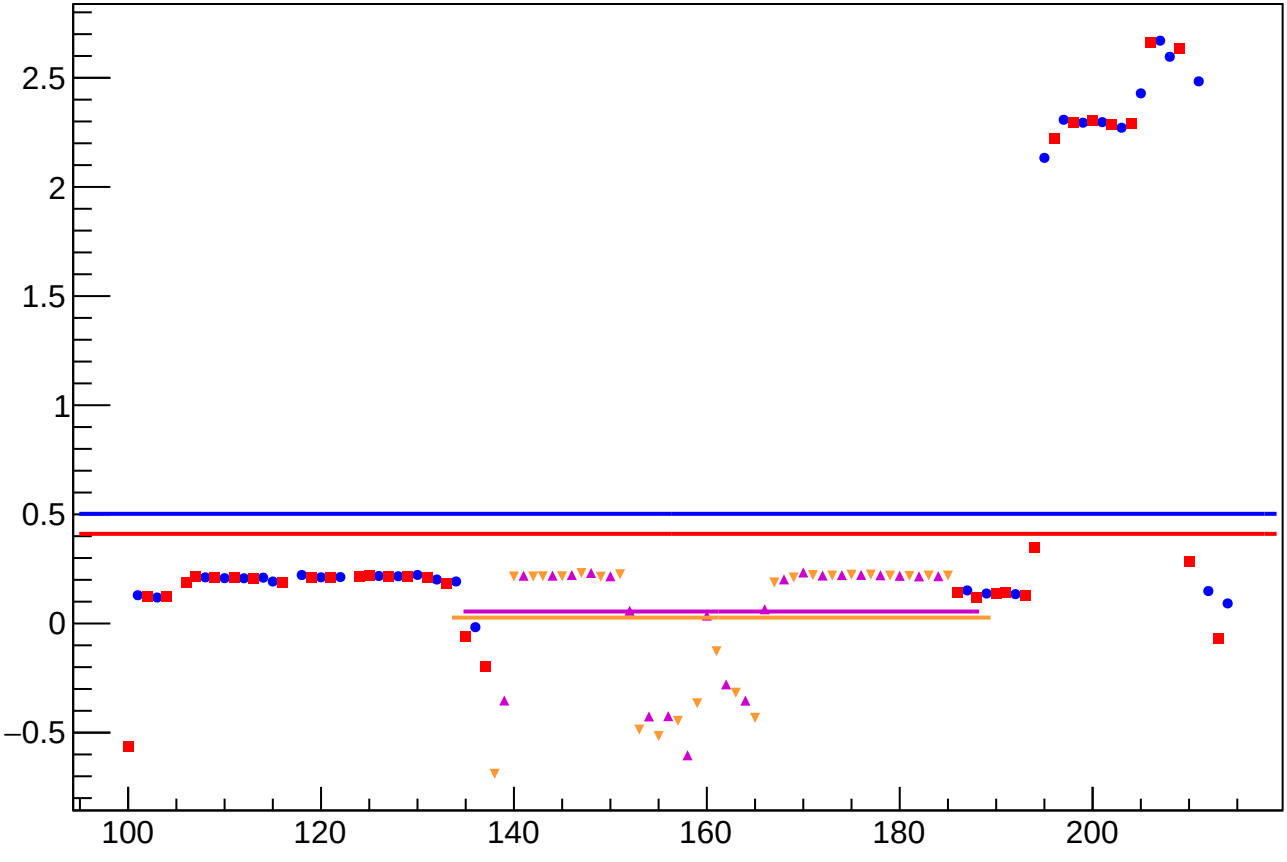
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 2433692.9/54

All: 0.002+/-0.000 χ^2/NDF: 4609240.8/111

- sign 0.002+/-0.000 χ^2/NDF: 2174167.5/56

yield_bpm0l08X_mean vs Slug



Right In: 0.502+/-0.000 χ^2/NDF: 61710032349.1/29

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.411+/-0.000 χ^2/NDF: 54780353453.9/33

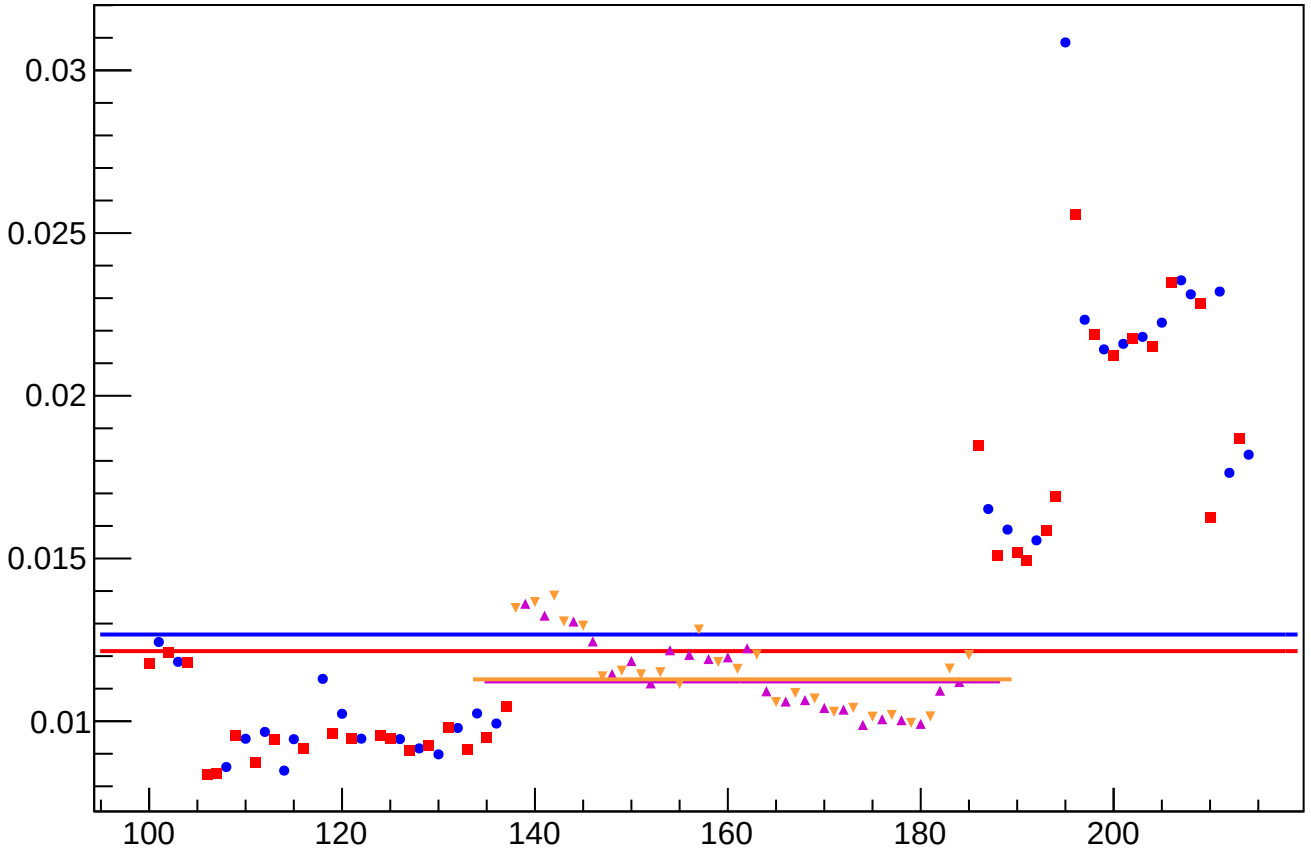
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.218+/-0.000 χ^2/NDF: 87716022309.2/54

All: 0.215+/-0.000 χ^2/NDF: 159949361913.5

- sign 0.213+/-0.000 χ^2/NDF: 72230431262.9/56

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 4809105.0/29

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4524696.0/33

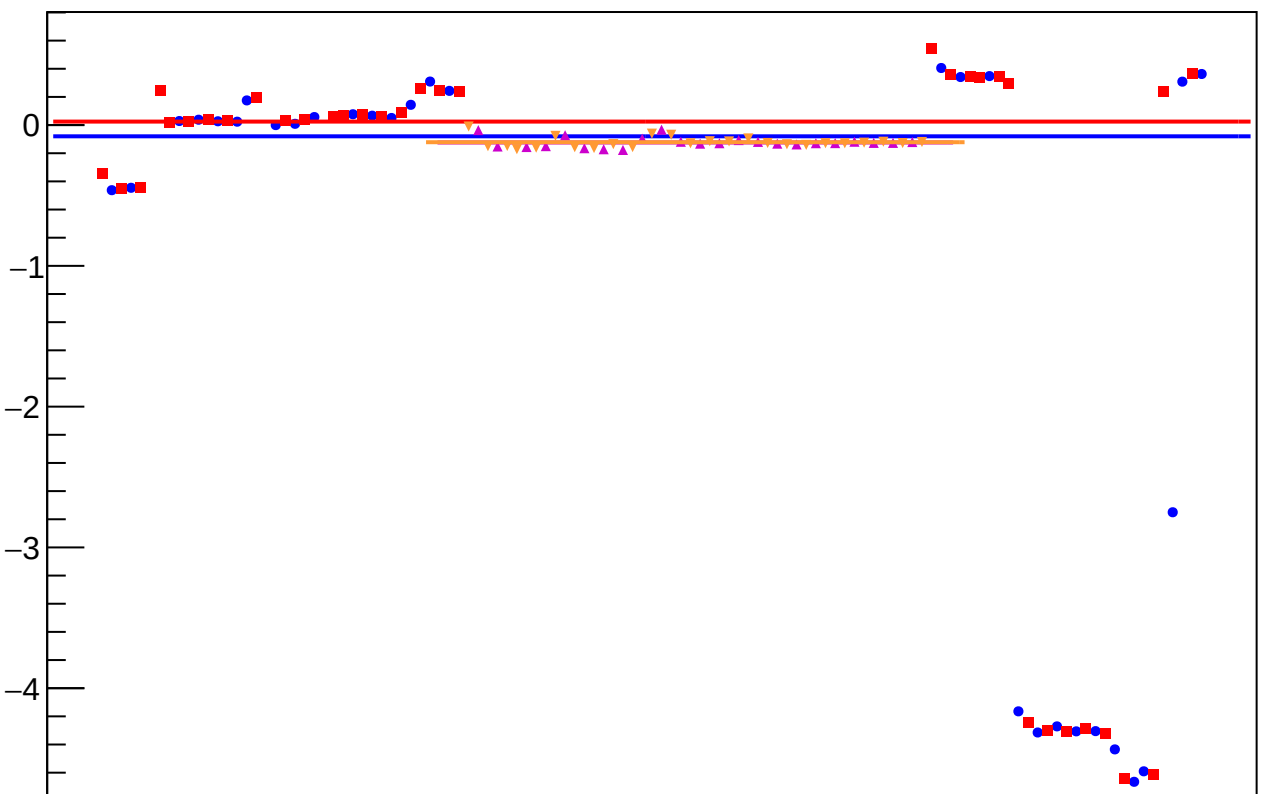
Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 5356036.1/54

All: 0.012+/-0.000 χ^2/NDF: 10312133.2/111

- sign 0.012+/-0.000 χ^2/NDF: 4946067.1/56

yield_bpm0l08Y_mean vs Slug



Right In: -0.080+/-0.000 χ^2/NDF: 429286047933.5/29

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.025+/-0.000 χ^2/NDF: 398169402037.5/33

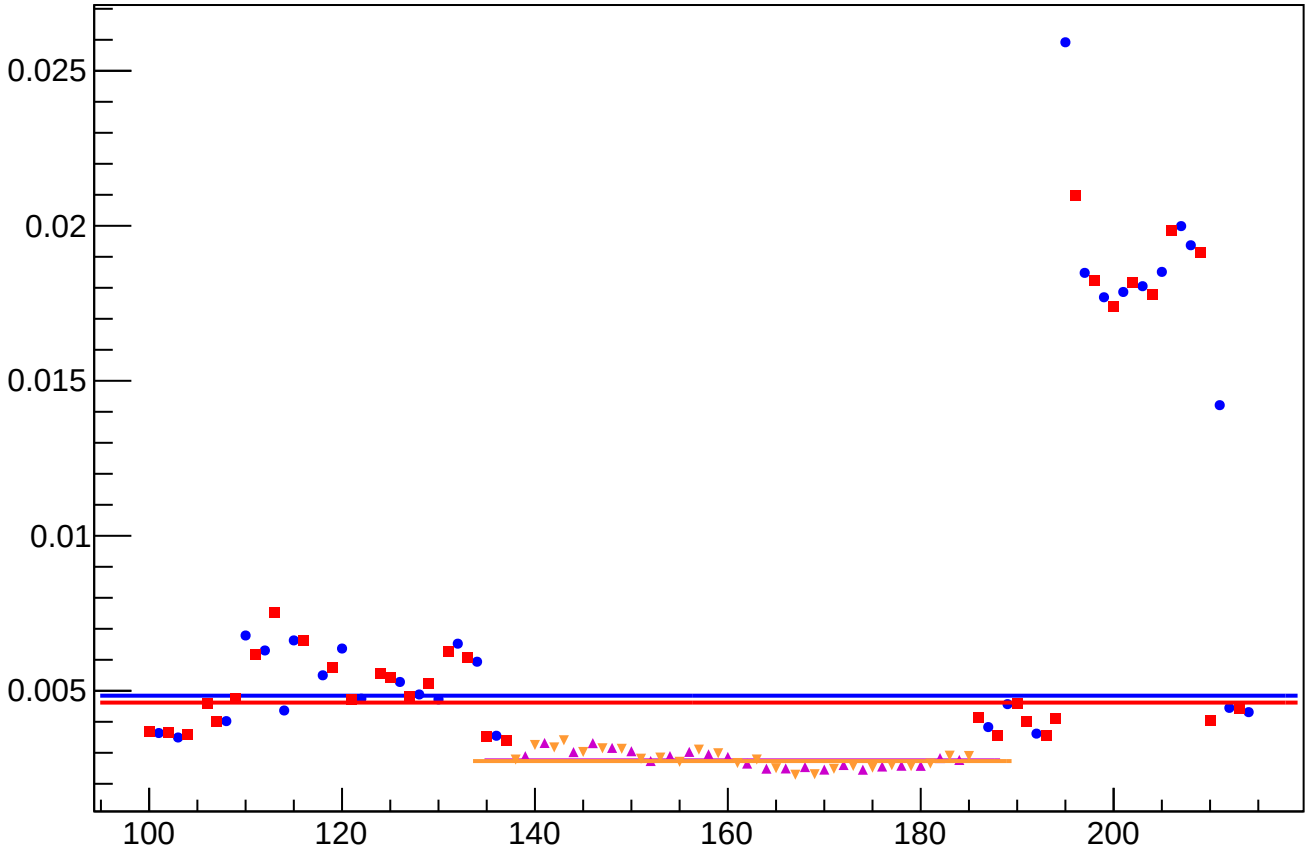
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.114+/-0.000 χ^2/NDF: 432976492962.9/54

All: -0.103+/-0.000 χ^2/NDF: 845810357982.2

- sign -0.091+/-0.000 χ^2/NDF: 412036090711.0/56

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9322325.0/29

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8009279.8/33

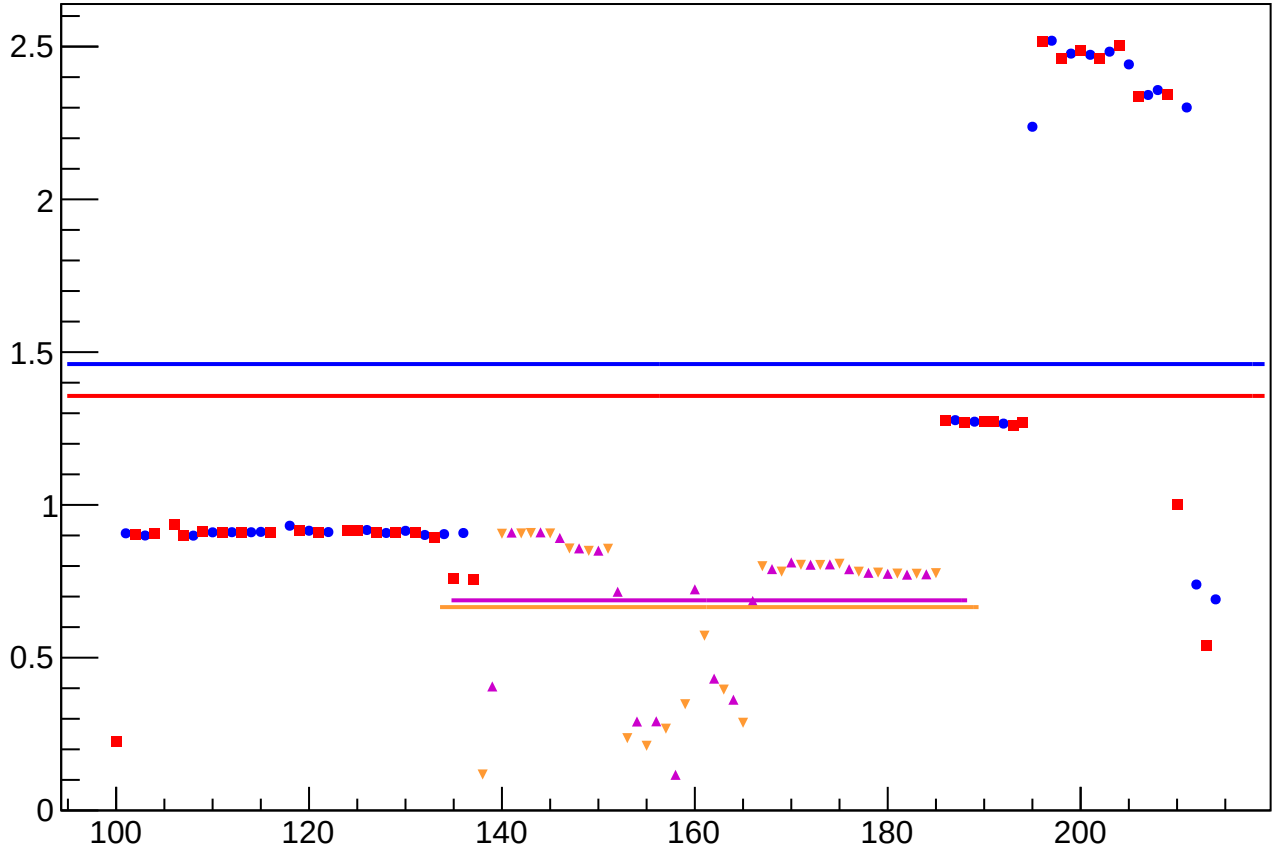
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 13605174.6/54

All: 0.003+/-0.000 χ^2/NDF: 25403360.3/111

- sign 0.003+/-0.000 χ^2/NDF: 11788489.3/56

yield_bpm0l09X_mean vs Slug



Right In: 1.461+/-0.000 χ^2/NDF: 55963469133.8/29

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.357+/-0.000 χ^2/NDF: 53730592140.4/33

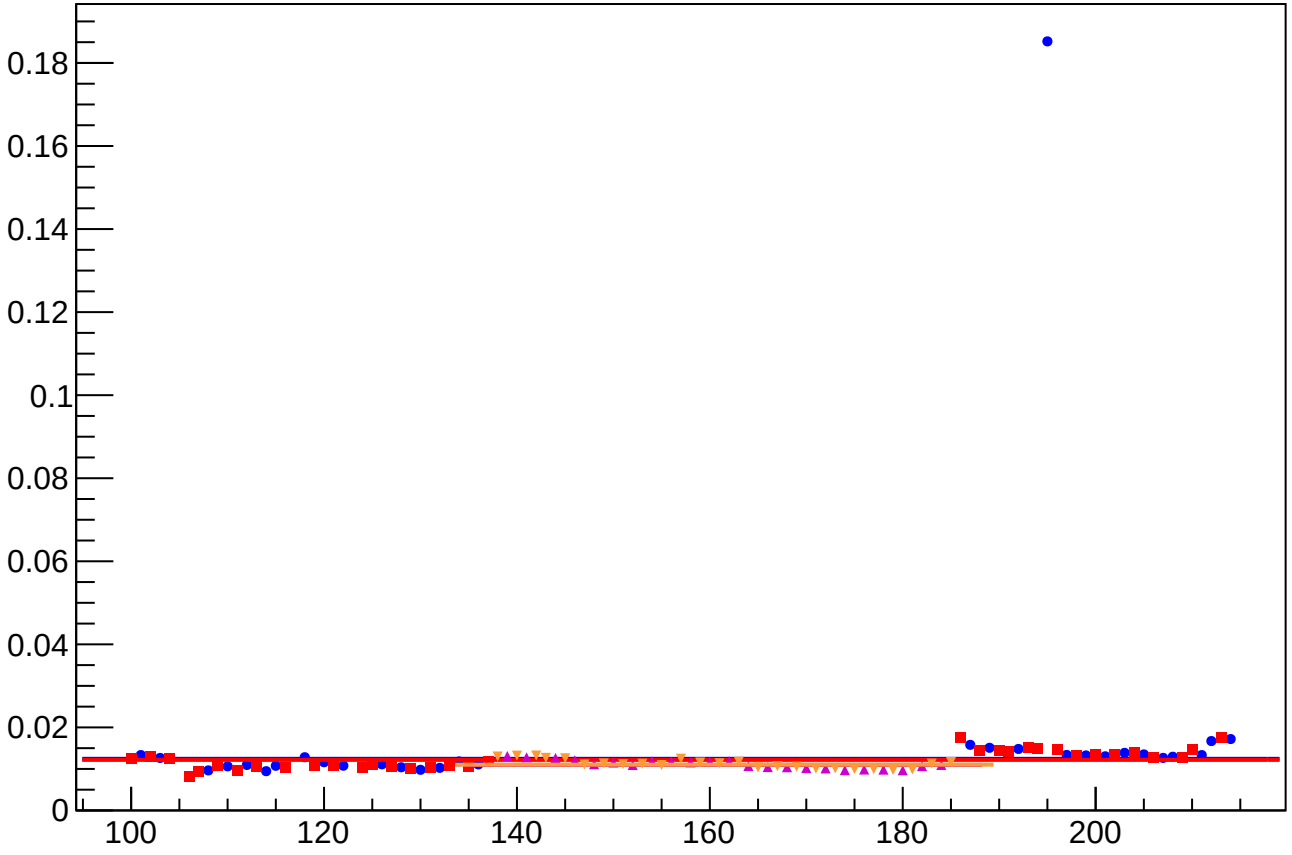
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.996+/-0.000 χ^2/NDF: 104941963694.3/54

All: 0.991+/-0.000 χ^2/NDF: 194742248884.7

- sign 0.987+/-0.000 χ^2/NDF: 89790342607.3/56

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 2261377.6/29

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

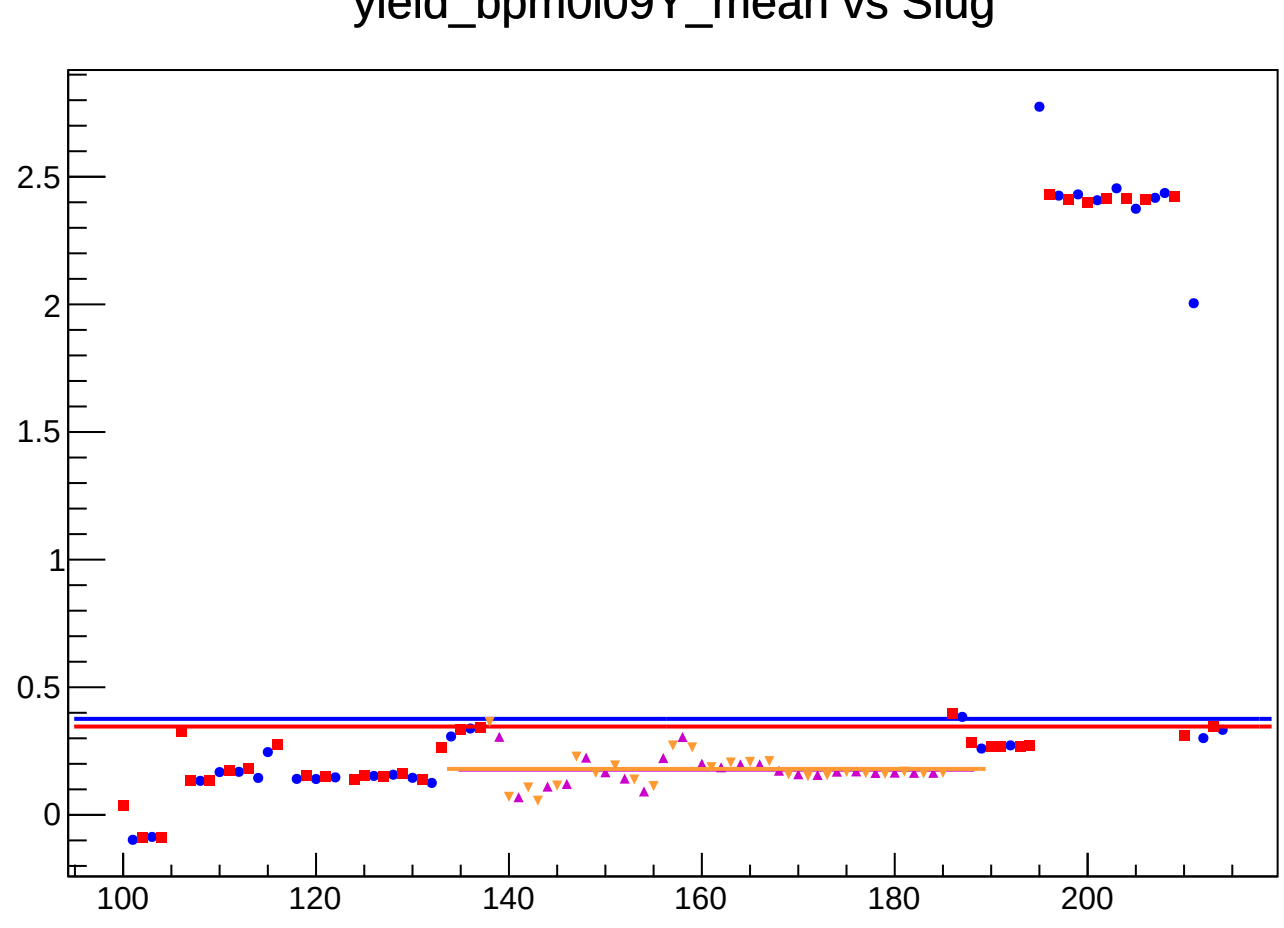
Right Out: 0.012+/-0.000 χ^2/NDF: 1008287.1/33

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 2807741.2/54

All: 0.012+/-0.000 χ^2/NDF: 4297052.2/111

- sign 0.012+/-0.000 χ^2/NDF: 1486506.8/56



Right In: 0.376+/-0.000 χ^2/NDF: 191247929126.6/29

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.346+/-0.000 χ^2/NDF: 163384267552.2/33

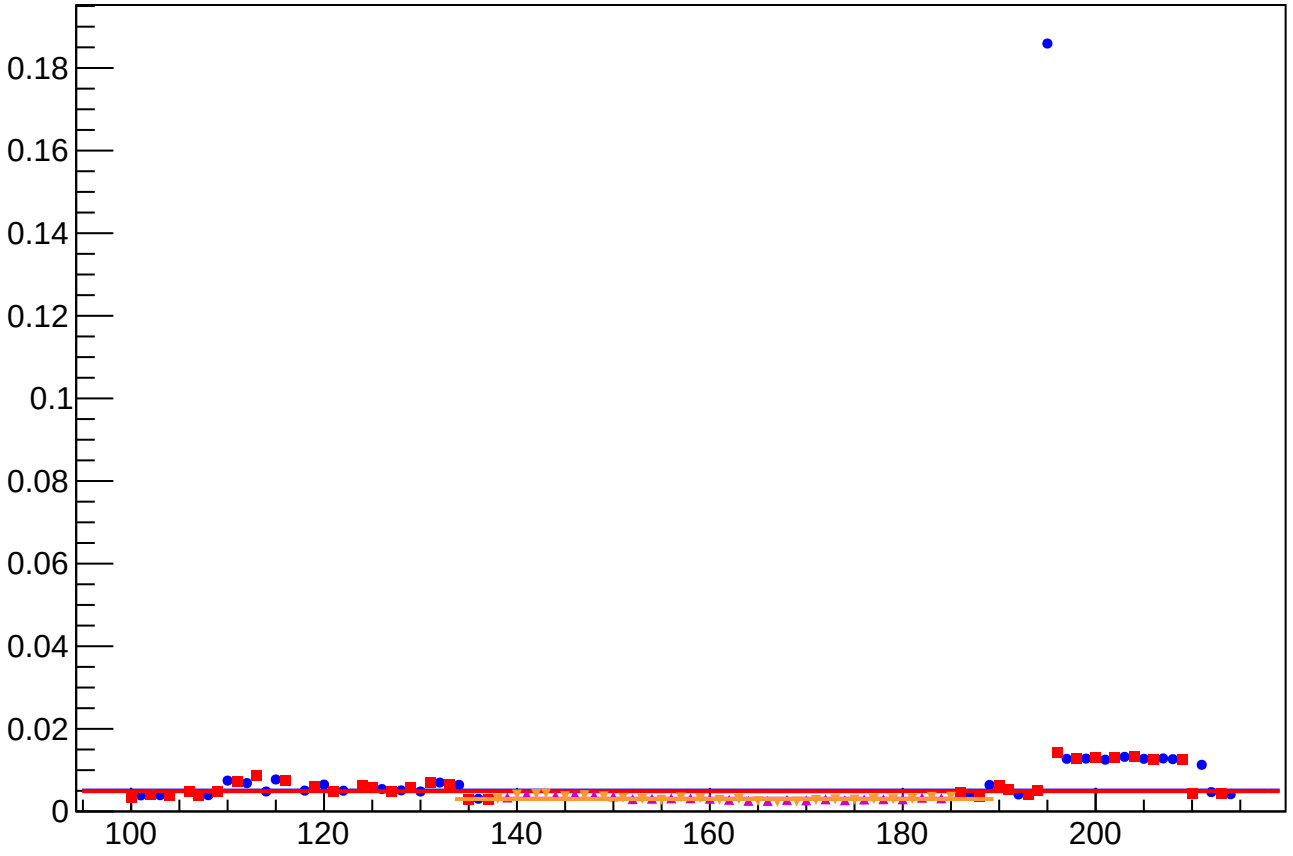
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.220+/-0.000 χ^2/NDF: 213151060687.2/54

All: 0.220+/-0.000 χ^2/NDF: 393598185008.2

- sign 0.219+/-0.000 χ^2/NDF: 180444151316.1/56

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 7857337.4/29

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

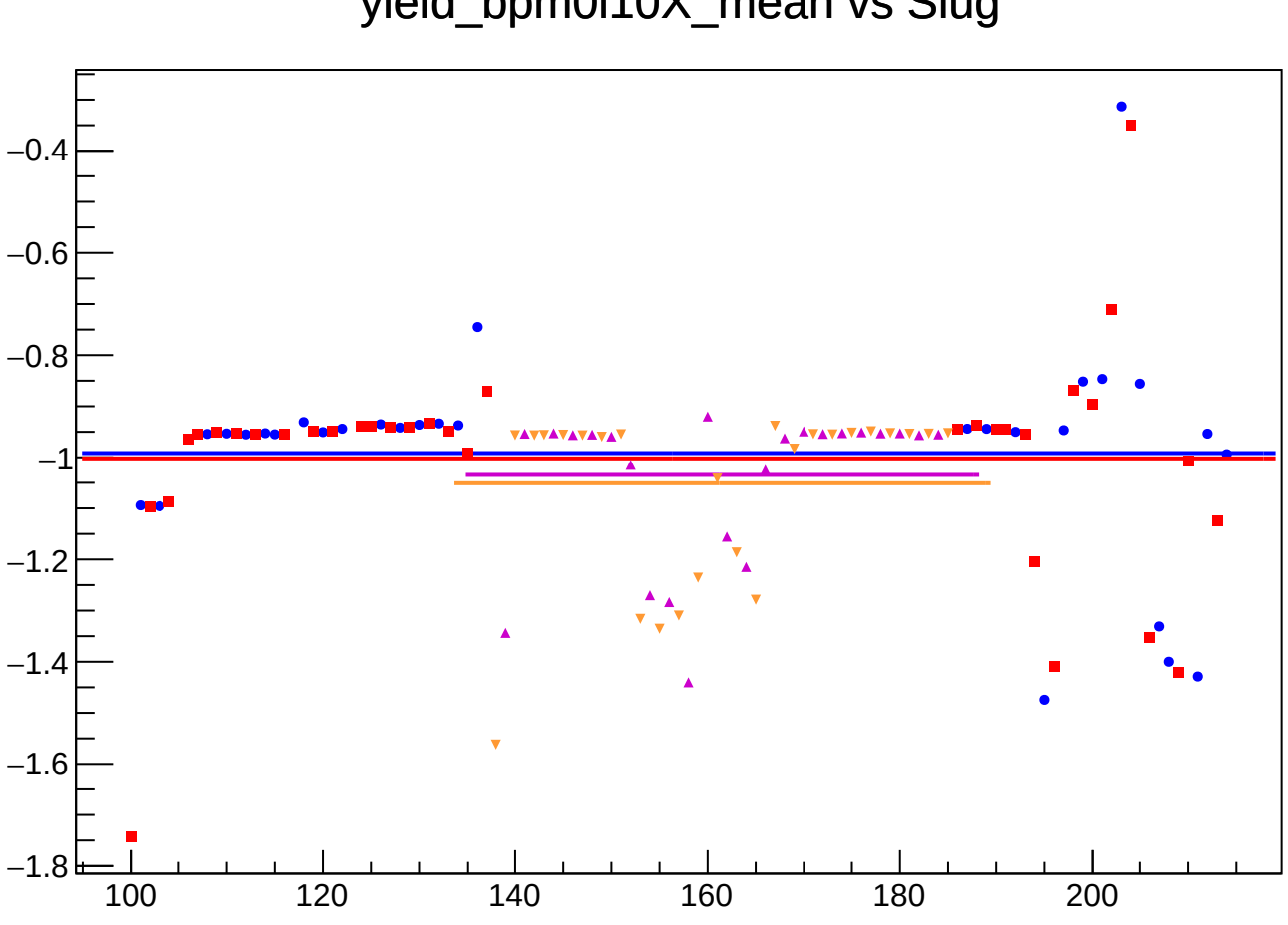
Right Out: 0.005+/-0.000 χ^2/NDF: 5946640.7/33

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 12119439.9/54

All: 0.003+/-0.000 χ^2/NDF: 21592250.2/111

- sign 0.004+/-0.000 χ^2/NDF: 9448350.0/56



Right In: -0.992+/-0.000 χ^2/NDF: 5820132041.4/29

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.002+/-0.000 χ^2/NDF: 5077507848.3/33

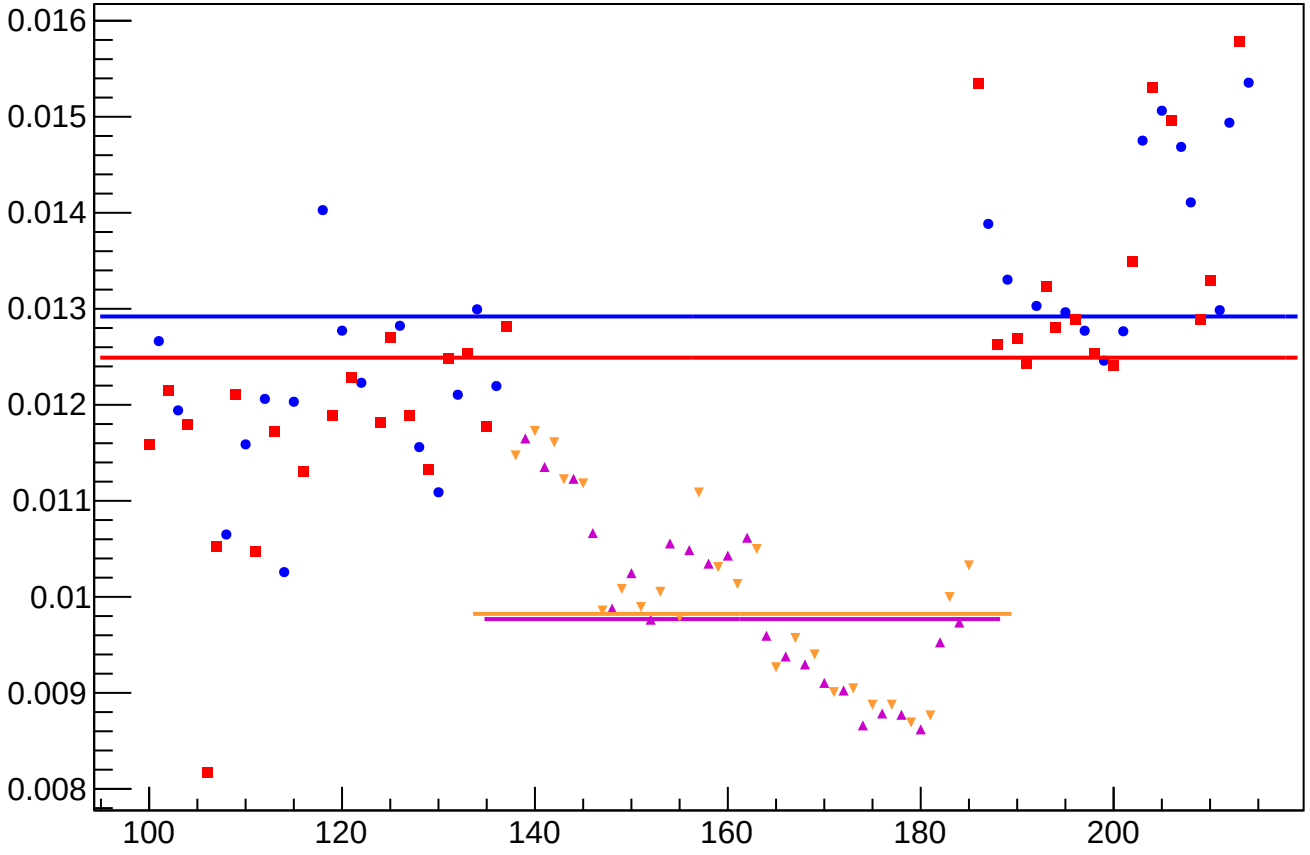
Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.030+/-0.000 χ^2/NDF: 11139346301.6/54

All: -1.026+/-0.000 χ^2/NDF: 20227308610.3/

- sign -1.022+/-0.000 χ^2/NDF: 9078388490.0/56

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 305887.7/29

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

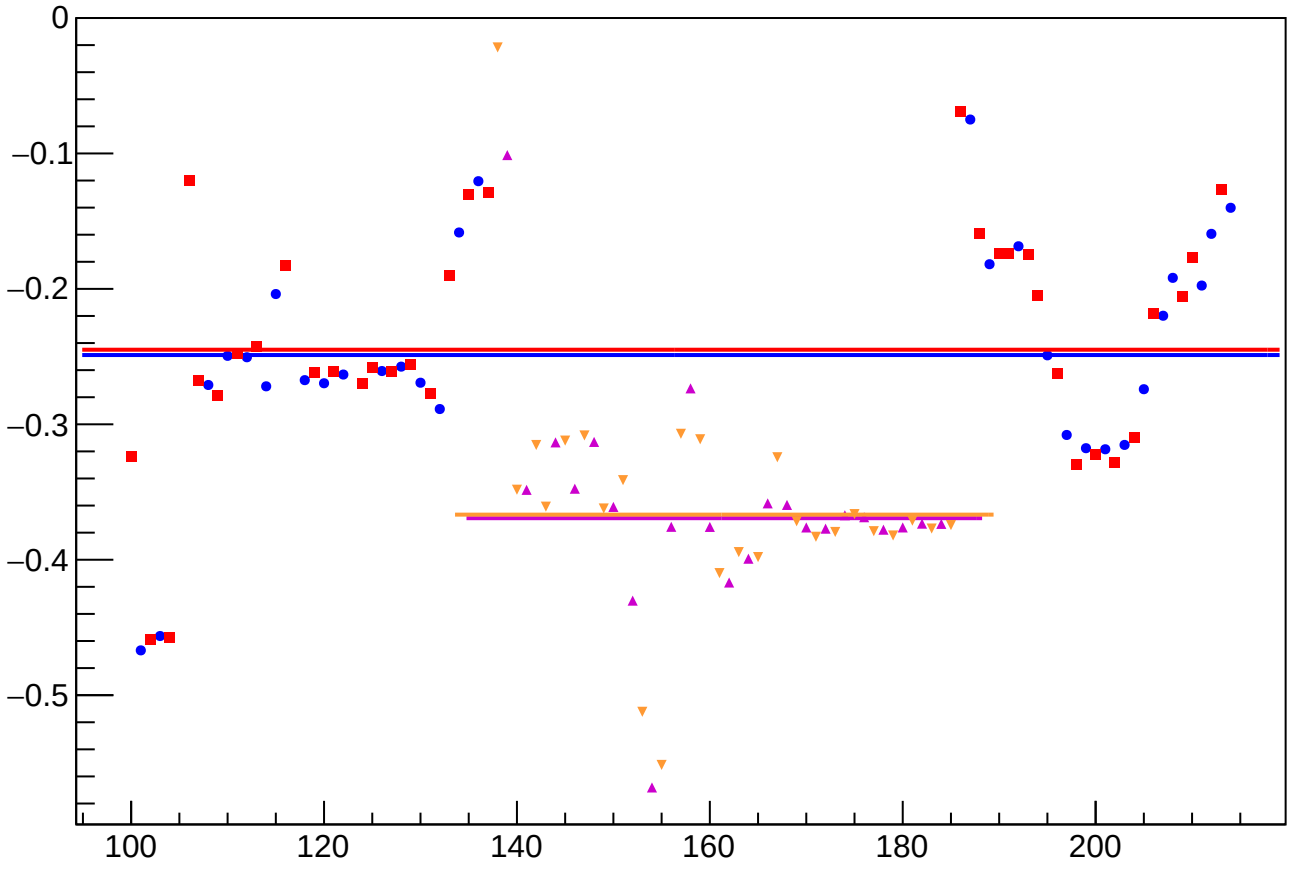
Right Out: 0.012+/-0.000 χ^2/NDF: 490353.0/33

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1899728.6/54

All: 0.011+/-0.000 χ^2/NDF: 3732149.0/111

- sign 0.011+/-0.000 χ^2/NDF: 1829895.2/56



Right In: -0.249+/-0.000 χ^2/NDF: 9480724363.1/29

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.245+/-0.000 χ^2/NDF: 9551137922.5/33

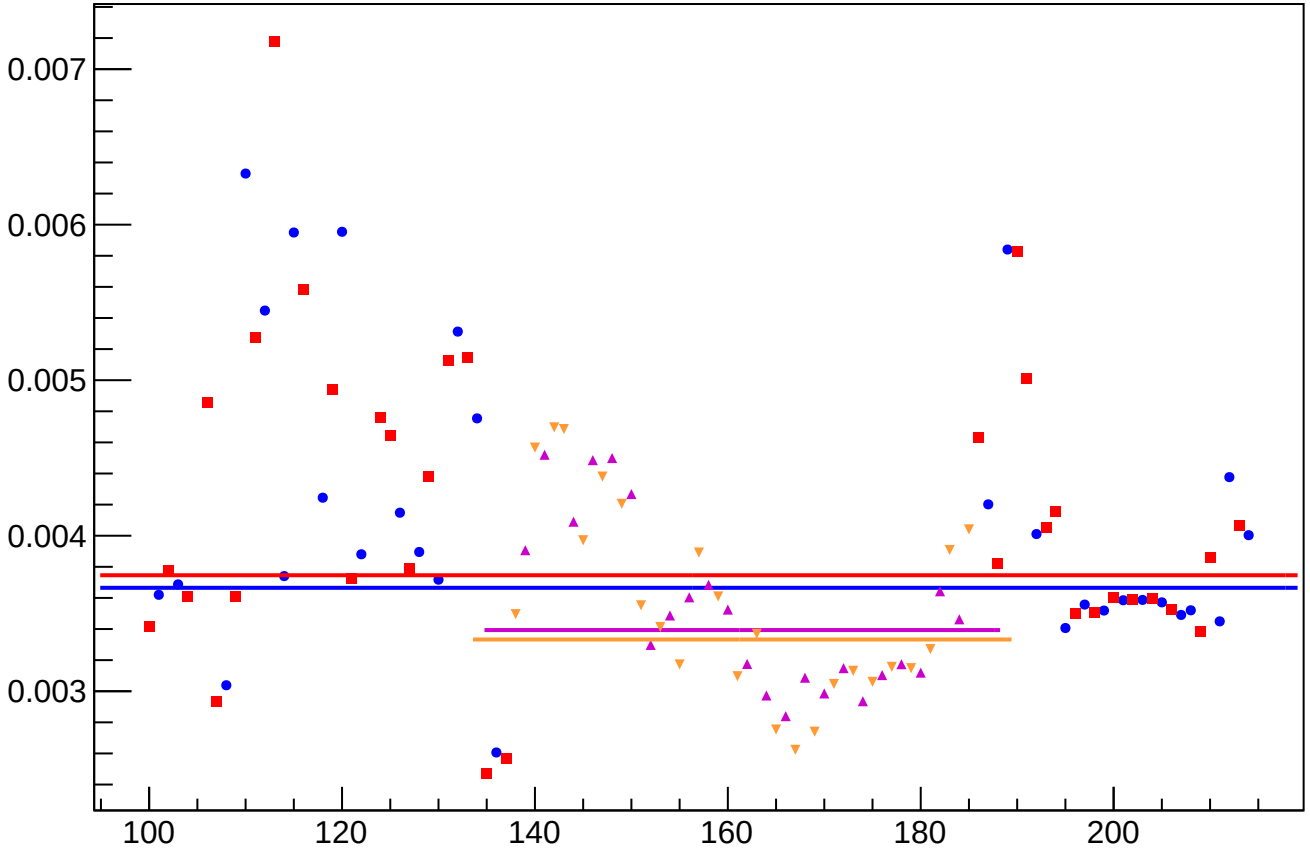
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.315+/-0.000 χ^2/NDF: 30980840756.4/54

All: -0.314+/-0.000 χ^2/NDF: 58314970213.8/

- sign -0.312+/-0.000 χ^2/NDF: 27322648571.7/56

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 969639.3/29

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1122334.5/33

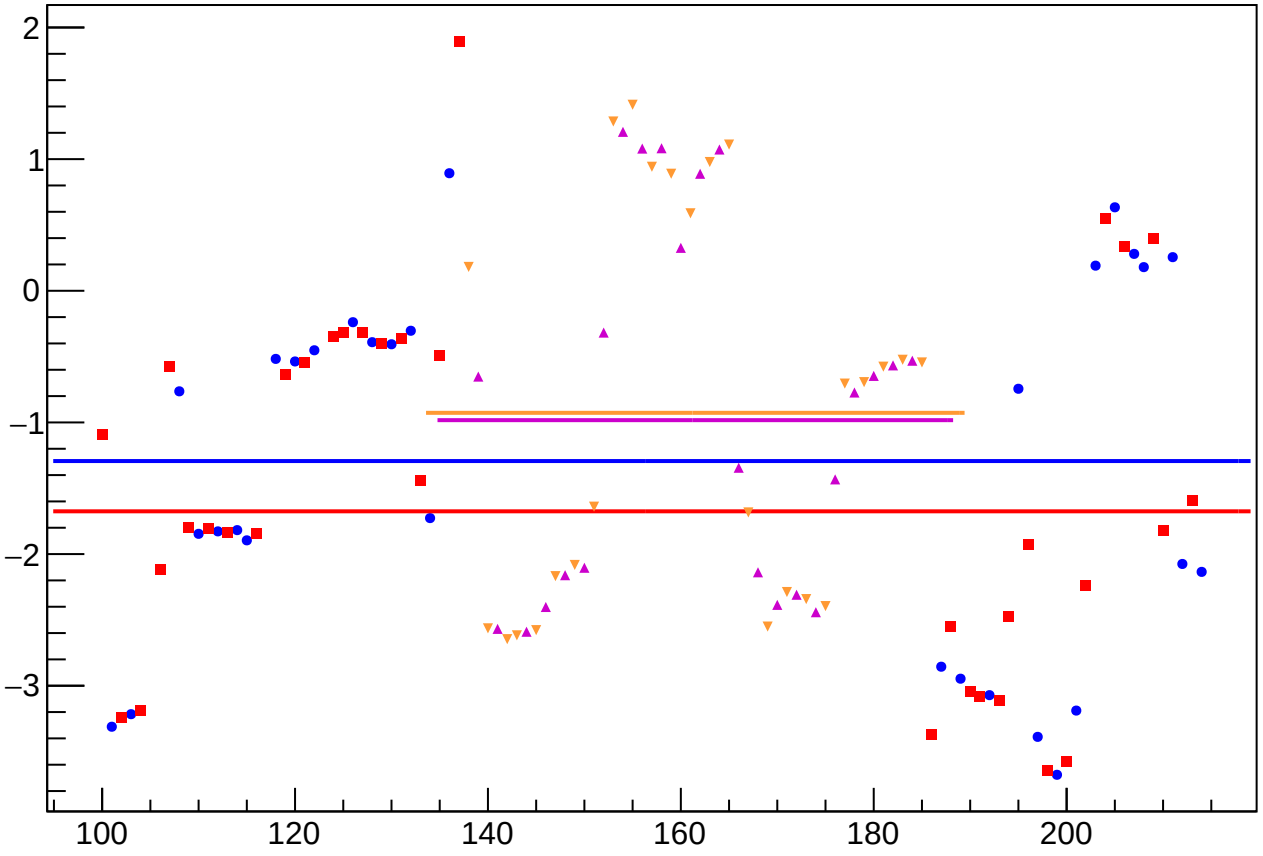
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1979311.4/54

All: 0.004+/-0.000 χ^2/NDF: 3915024.0/111

- sign 0.004+/-0.000 χ^2/NDF: 1919590.0/56

yield_bpm0r03X_mean vs Slug



Right In: -1.293+/-0.000 χ^2/NDF: 7084024173.7/29

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

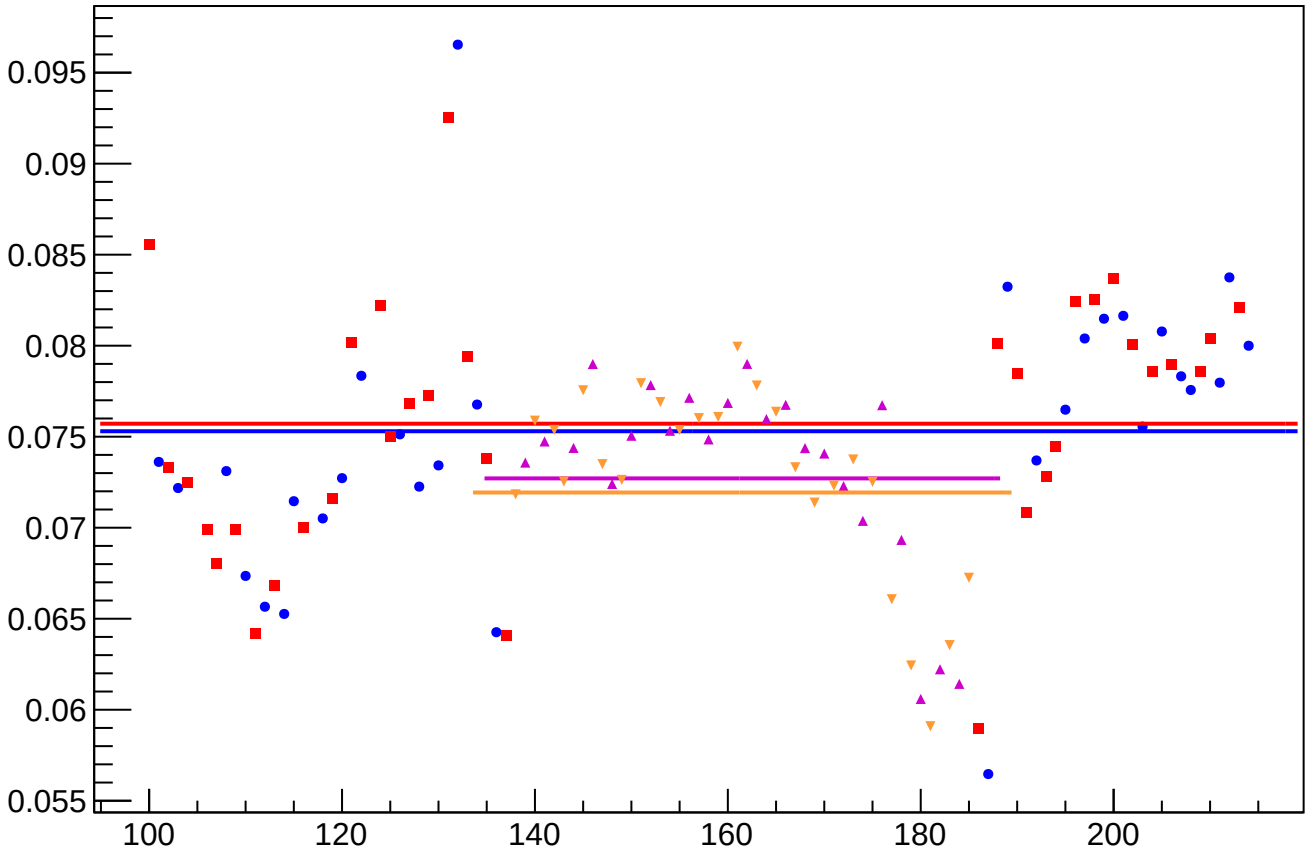
Right Out: -1.675+/-0.000 χ^2/NDF: 5991130262.1/33

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.096+/-0.000 χ^2/NDF: 14560279599.9/54

All: -1.208+/-0.000 χ^2/NDF: 27437223921.7/

- sign -1.322+/-0.000 χ^2/NDF: 12705811470.7/56



Right In: 0.075+/-0.000 χ^2/NDF: 251697.7/29

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

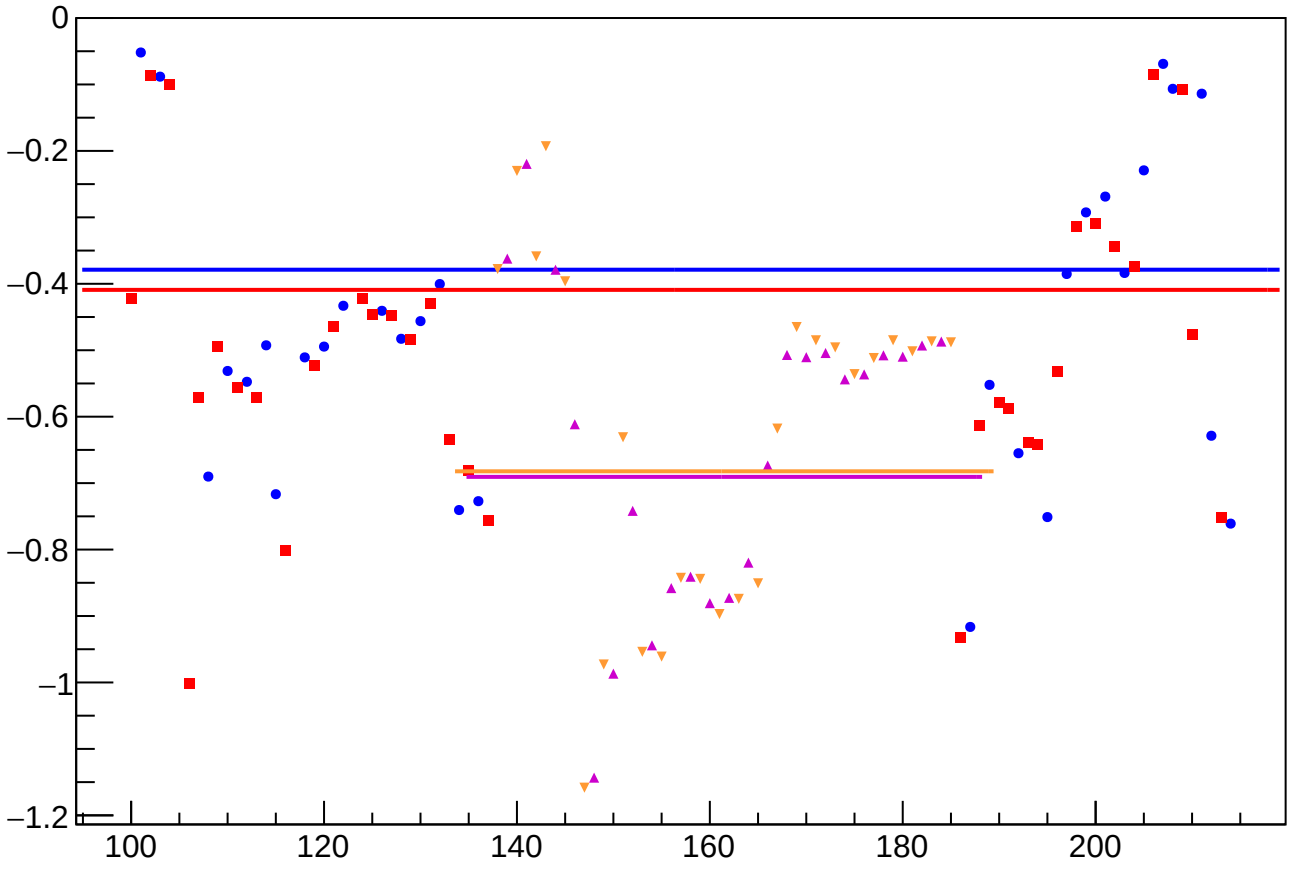
Right Out: 0.076+/-0.000 χ^2/NDF: 264830.9/33

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 525639.5/54

All: 0.074+/-0.000 χ^2/NDF: 1020638.0/111

- sign 0.074+/-0.000 χ^2/NDF: 491795.5/56



Right In: -0.379+/-0.000 χ^2/NDF: 15945317985.3/29

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.409+/-0.000 χ^2/NDF: 12567375318.8/33

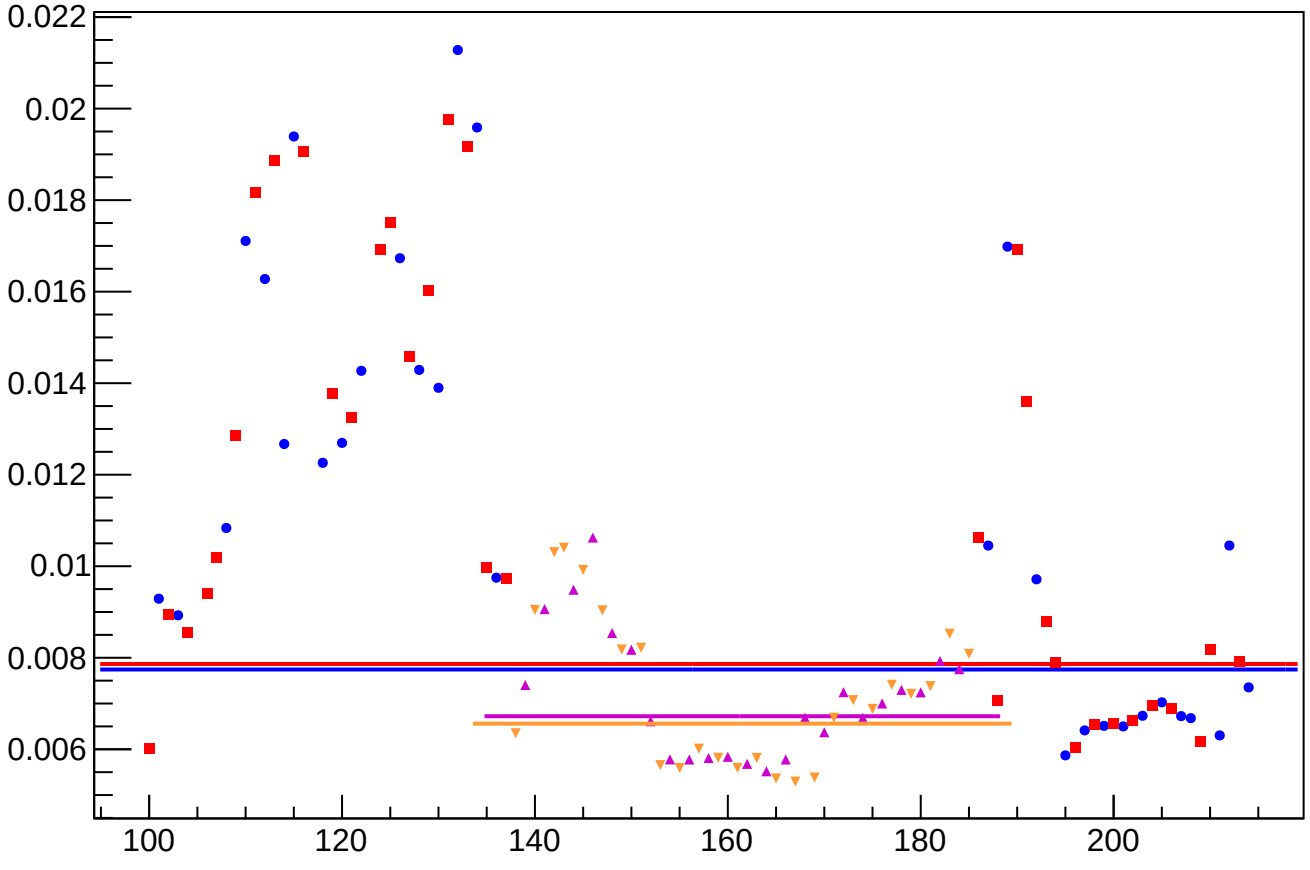
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.565+/-0.000 χ^2/NDF: 52326813016.7/54

All: -0.570+/-0.000 χ^2/NDF: 93750776634.9/

- sign -0.576+/-0.000 χ^2/NDF: 41385012607.1/56

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3186368.4/29

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3257165.7/33

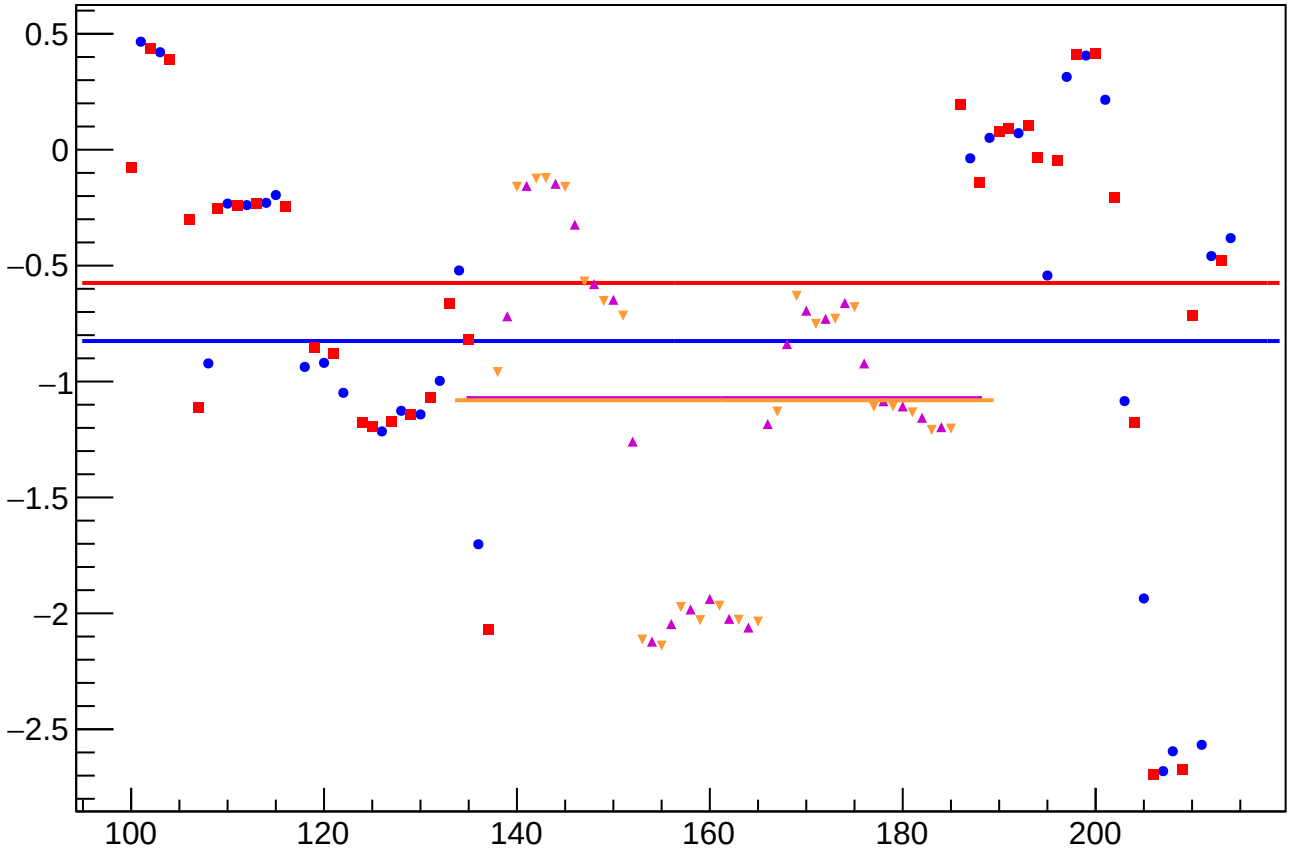
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5033094.0/54

All: 0.007+/-0.000 χ^2/NDF: 9662768.2/111

- sign 0.007+/-0.000 χ^2/NDF: 4611142.2/56

yield_bpm0r05X_mean vs Slug



Right In: -0.825+/-0.000 χ^2/NDF: 1982820630.4/29

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.575+/-0.000 χ^2/NDF: 1660879677.2/33

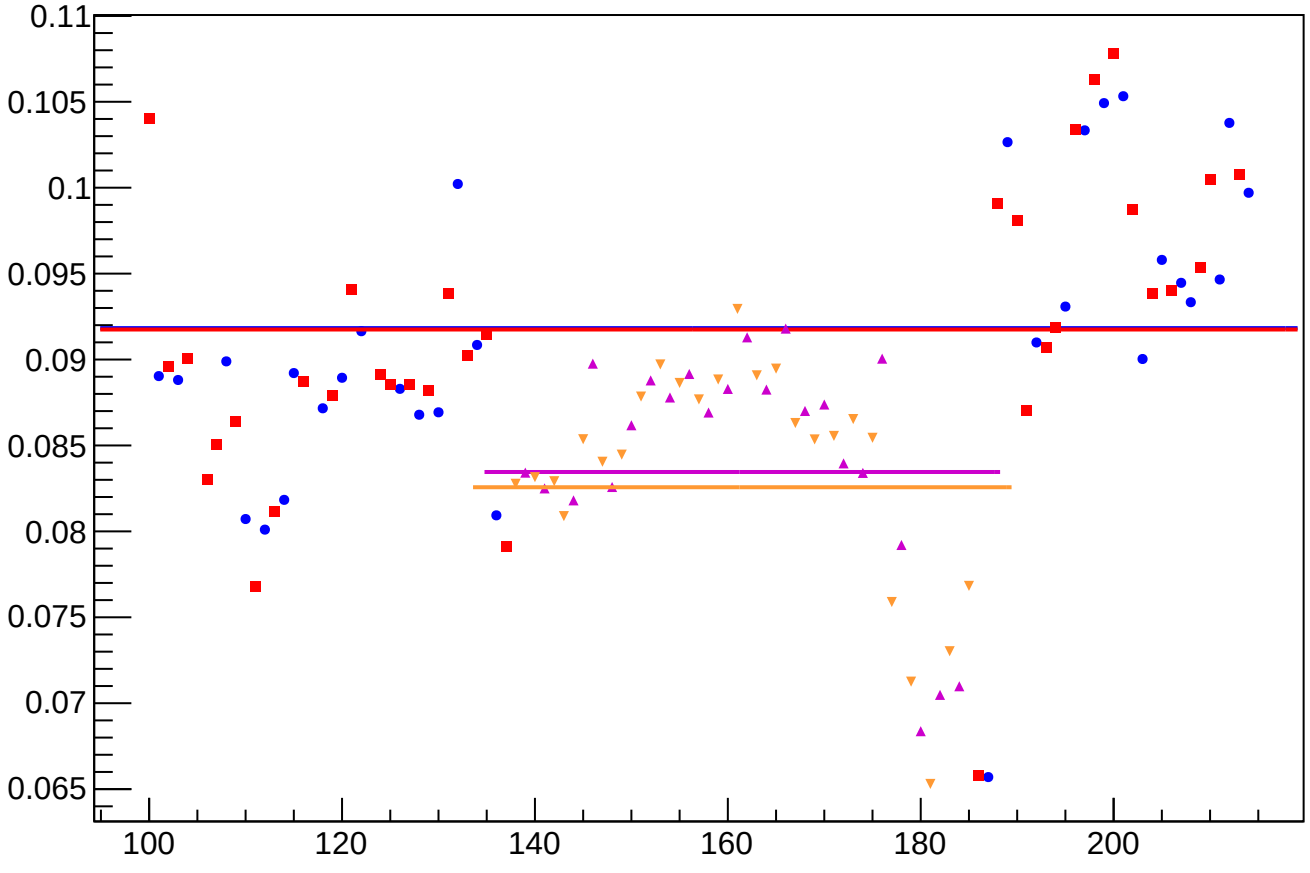
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.970+/-0.000 χ^2/NDF: 3214501644.2/54

All: -0.907+/-0.000 χ^2/NDF: 6187577995.4/1

- sign -0.842+/-0.000 χ^2/NDF: 2932899647.1/56

yield_bpm0r05X_rms vs Slug



Right In: 0.092+/-0.000 χ^2/NDF: 276494.8/29

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.092+/-0.000 χ^2/NDF: 360404.1/33

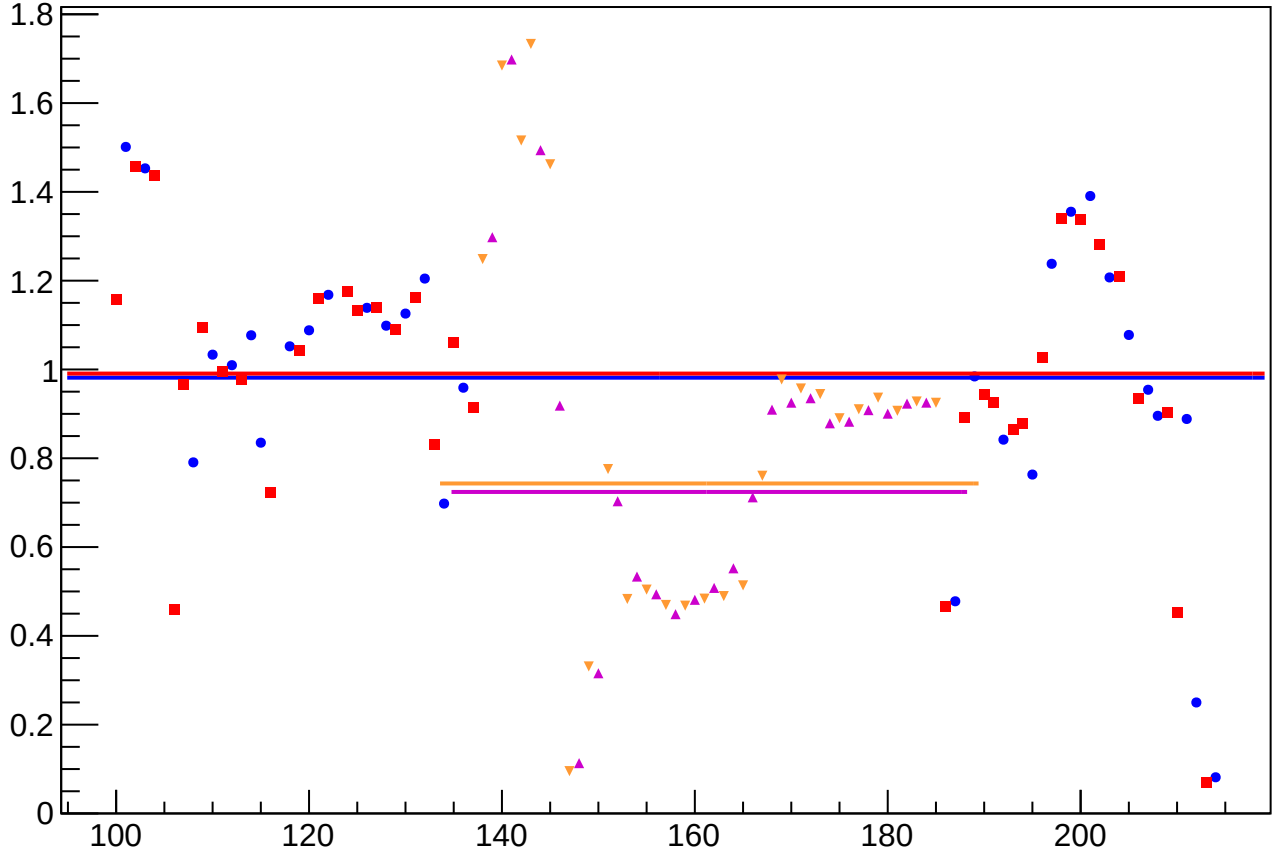
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 776009.8/54

All: 0.087+/-0.000 χ^2/NDF: 1542365.3/111

- sign 0.087+/-0.000 χ^2/NDF: 763912.5/56

yield_bpm0r05Y_mean vs Slug



Right In: 0.982+/-0.000 χ^2/NDF: 14848457405.8/29

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.991+/-0.000 χ^2/NDF: 13404597773.5/33

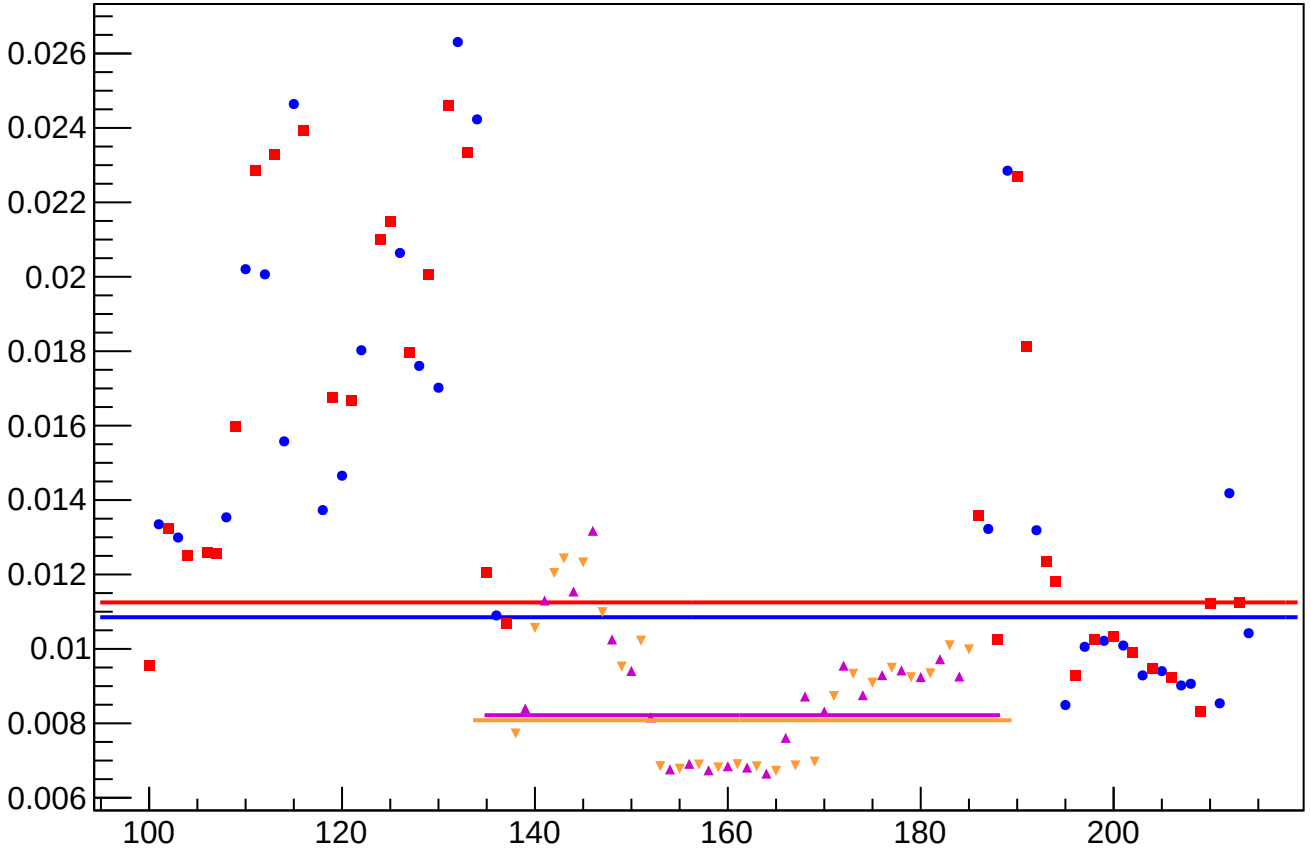
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.822+/-0.000 χ^2/NDF: 52539087662.7/54

All: 0.819+/-0.000 χ^2/NDF: 97610974085.2/1

- sign 0.815+/-0.000 χ^2/NDF: 45061791179.3/56

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2397835.8/29

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456964.2/33

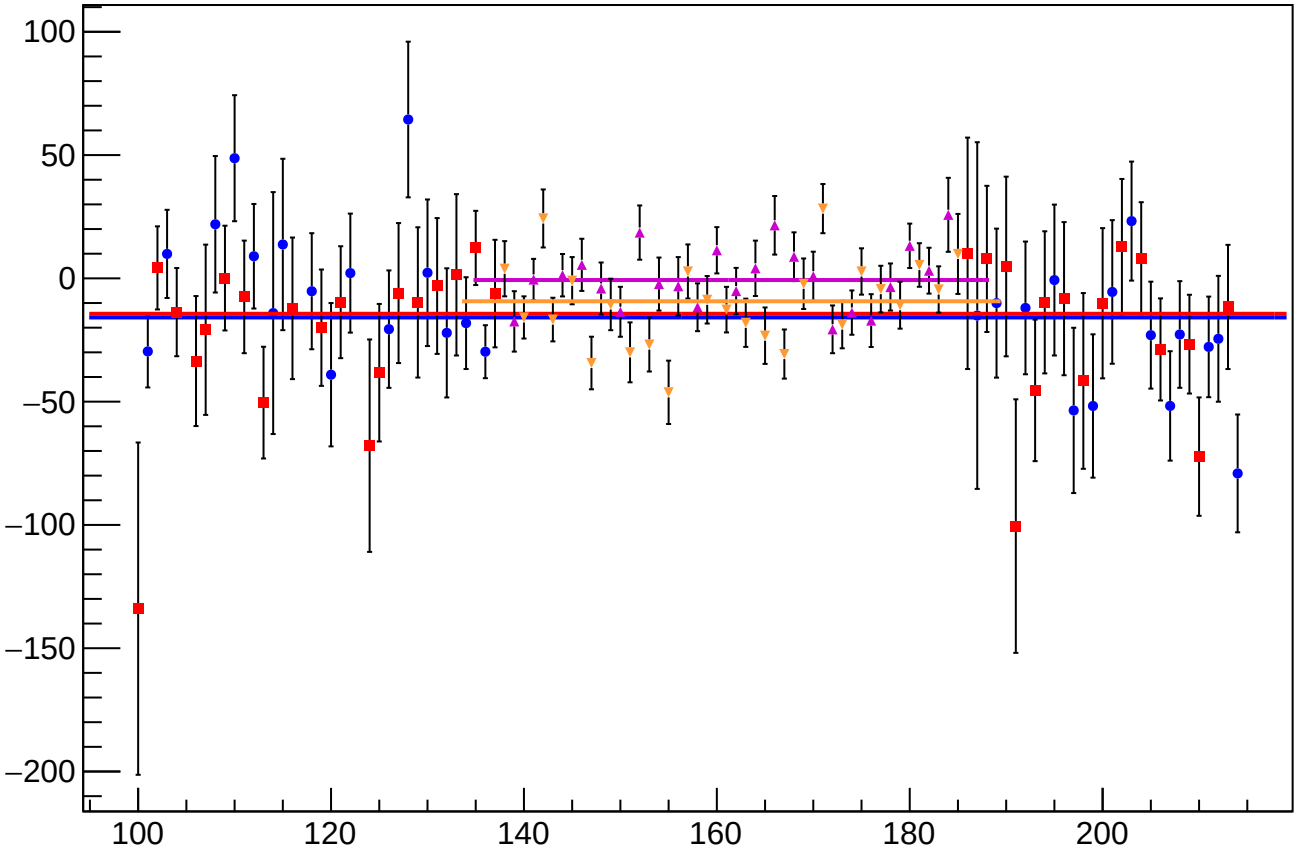
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5182268.1/54

All: 0.009+/-0.000 χ^2/NDF: 10343430.9/111

- sign 0.009+/-0.000 χ^2/NDF: 5136739.7/56

diff_bpm4aX_mean vs Slug



Right In: -15.858+/-4.210 χ^2/NDF: 39.5/29

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: -14.365+/-4.363 χ^2/NDF: 28.6/33

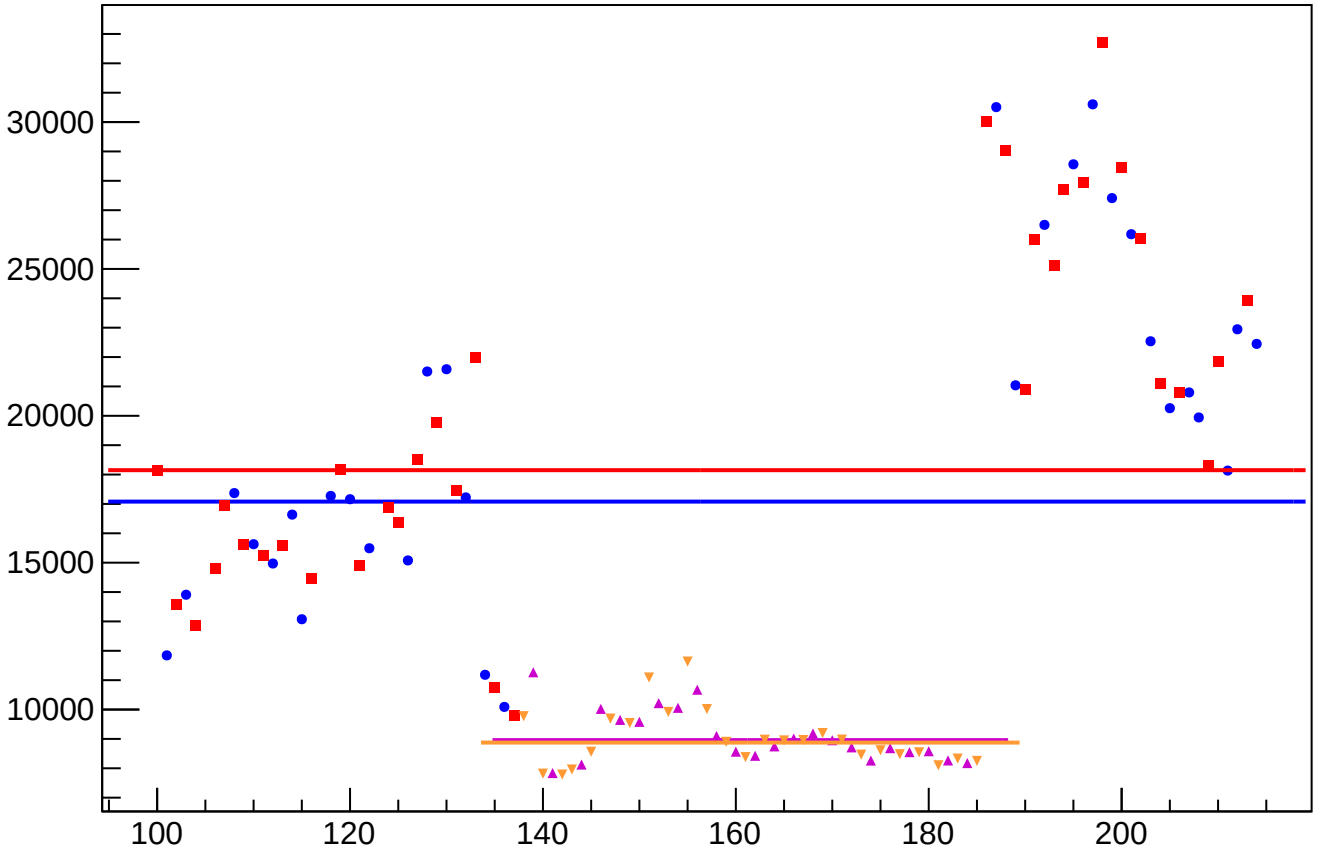
Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -10.531+/-1.829 χ^2/NDF: 102.6/54

All: -7.024+/-1.316 χ^2/NDF: 176.2/111

- sign -3.259+/-1.895 χ^2/NDF: 66.0/56

diff_bpm4aX_rms vs Slug



Right In: 17079.215+/-2.977 χ^2/NDF: 3384617.2/29

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18149.026+/-3.085 χ^2/NDF: 3276265.7/33

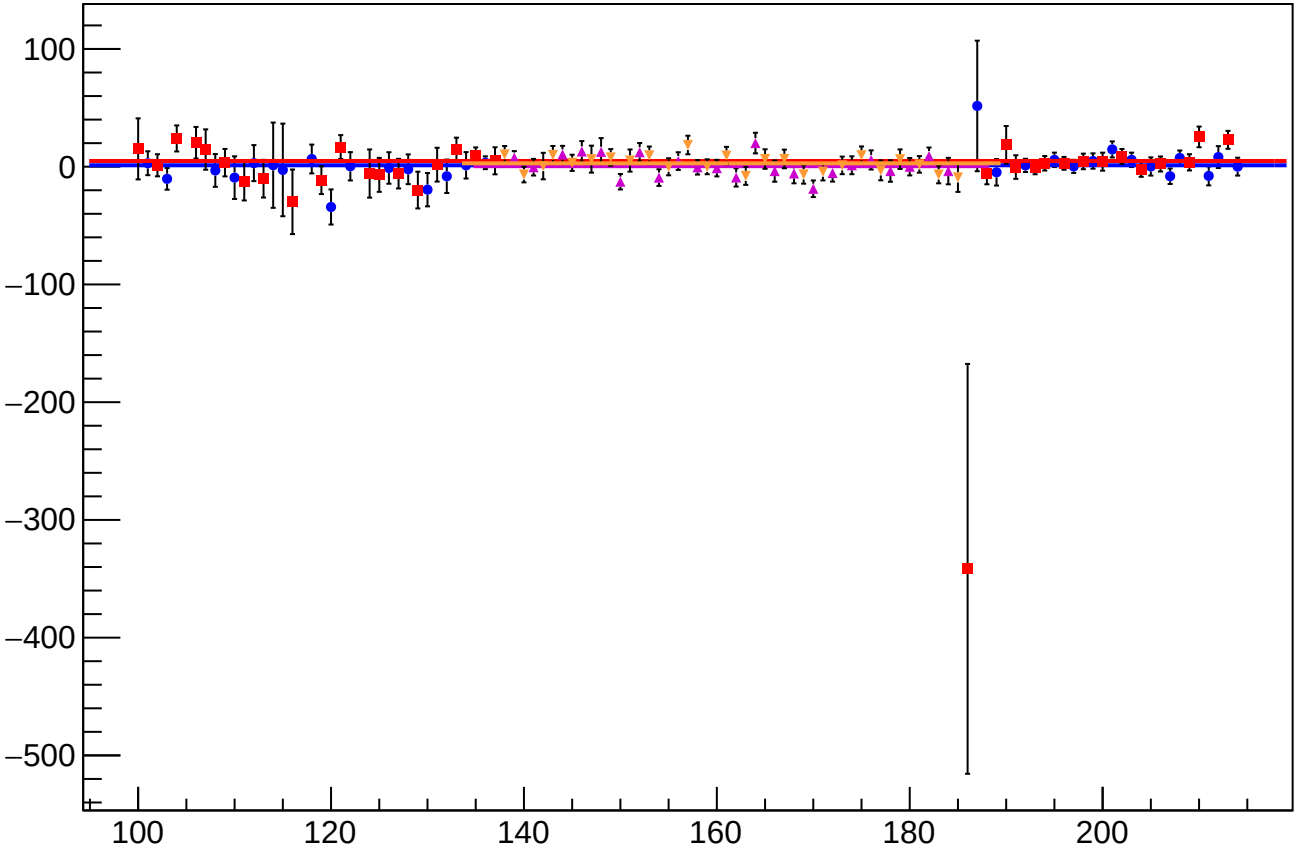
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10424.053+/-1.293 χ^2/NDF: 9893011.9/54

All: 10553.605+/-0.931 χ^2/NDF: 20690598.5/

- sign 10692.730+/-1.340 χ^2/NDF: 10776775.0/56

diff_bpm4aY_mean vs Slug



Right In: 1.207+/-1.588 χ^2/NDF: 22.0/29

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 4.859+/-1.573 χ^2/NDF: 37.6/33

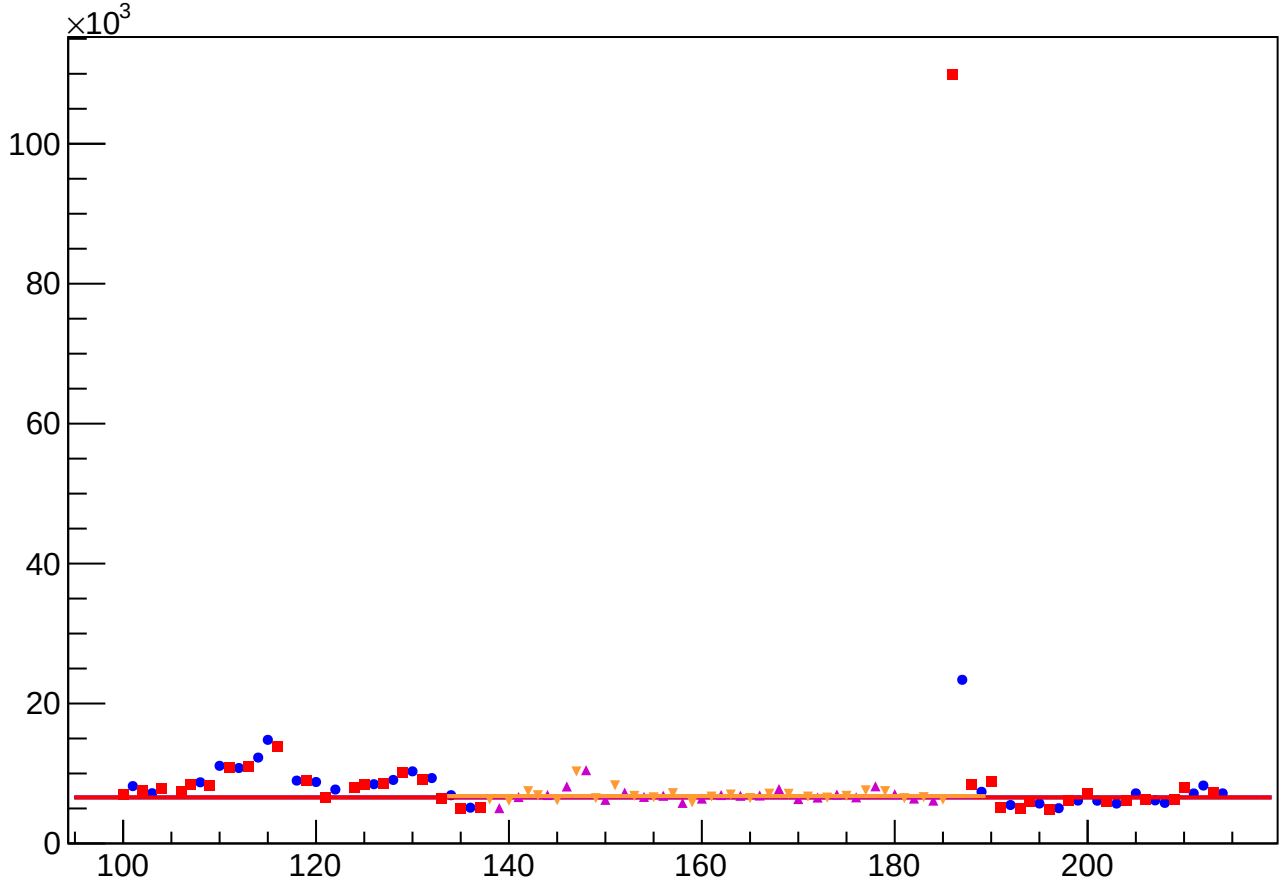
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.061+/-1.111 χ^2/NDF: 42.1/54

All: 2.364+/-0.787 χ^2/NDF: 116.5/111

- sign 2.669+/-1.115 χ^2/NDF: 74.3/56

diff_bpm4aY_rms vs Slug



Right In: 6579.134+/-1.123 χ^2/NDF: 1798244.8/29

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

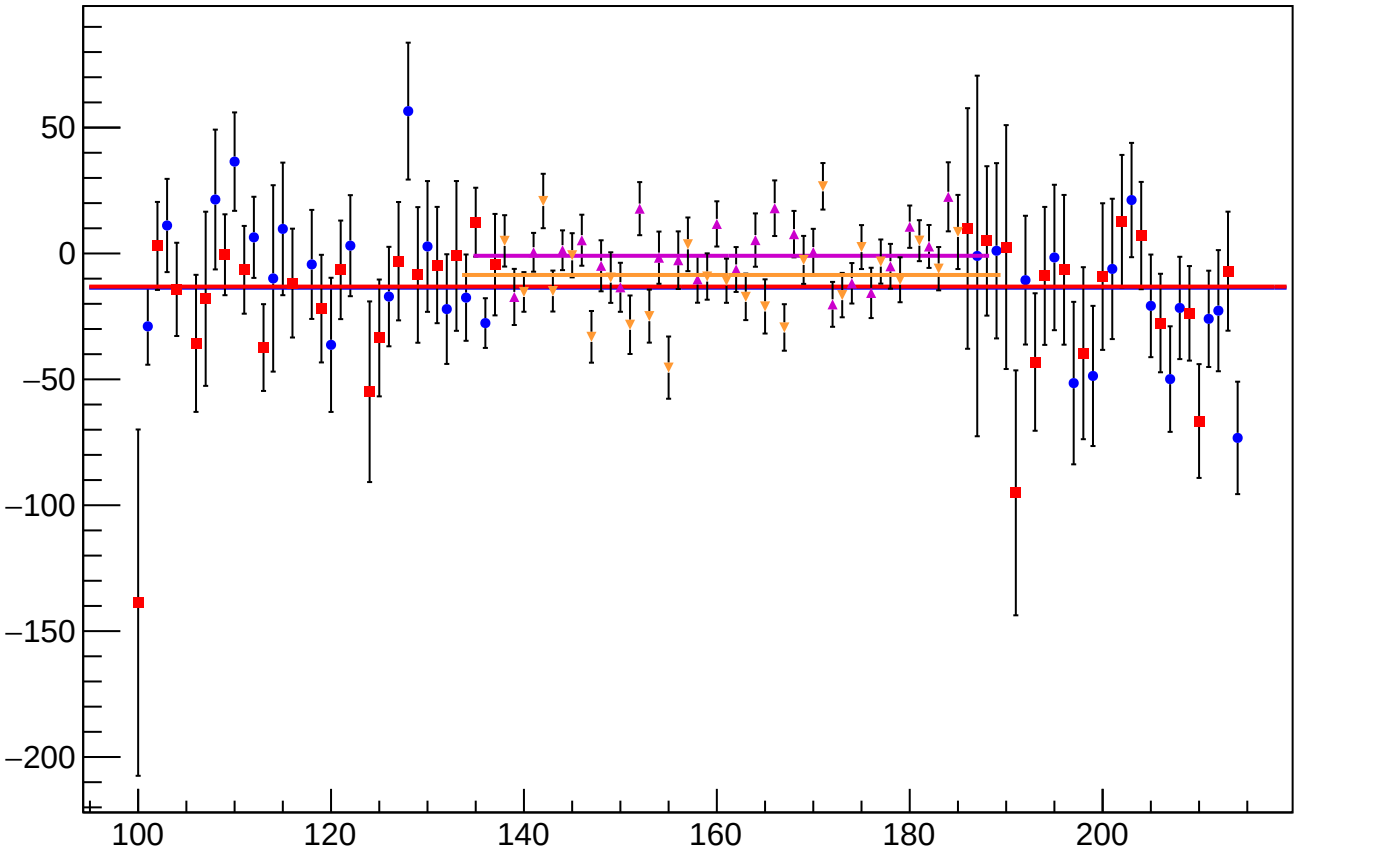
Right Out: 6576.436+/-1.113 χ^2/NDF: 2402028.9/33

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6680.098+/-0.785 χ^2/NDF: 2214232.1/54

All: 6656.501+/-0.556 χ^2/NDF: 5243493.6/11

- sign 6632.702+/-0.789 χ^2/NDF: 3027448.1/56



Right In: -13.594+/-3.859 χ^2/NDF: 41.0/29

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

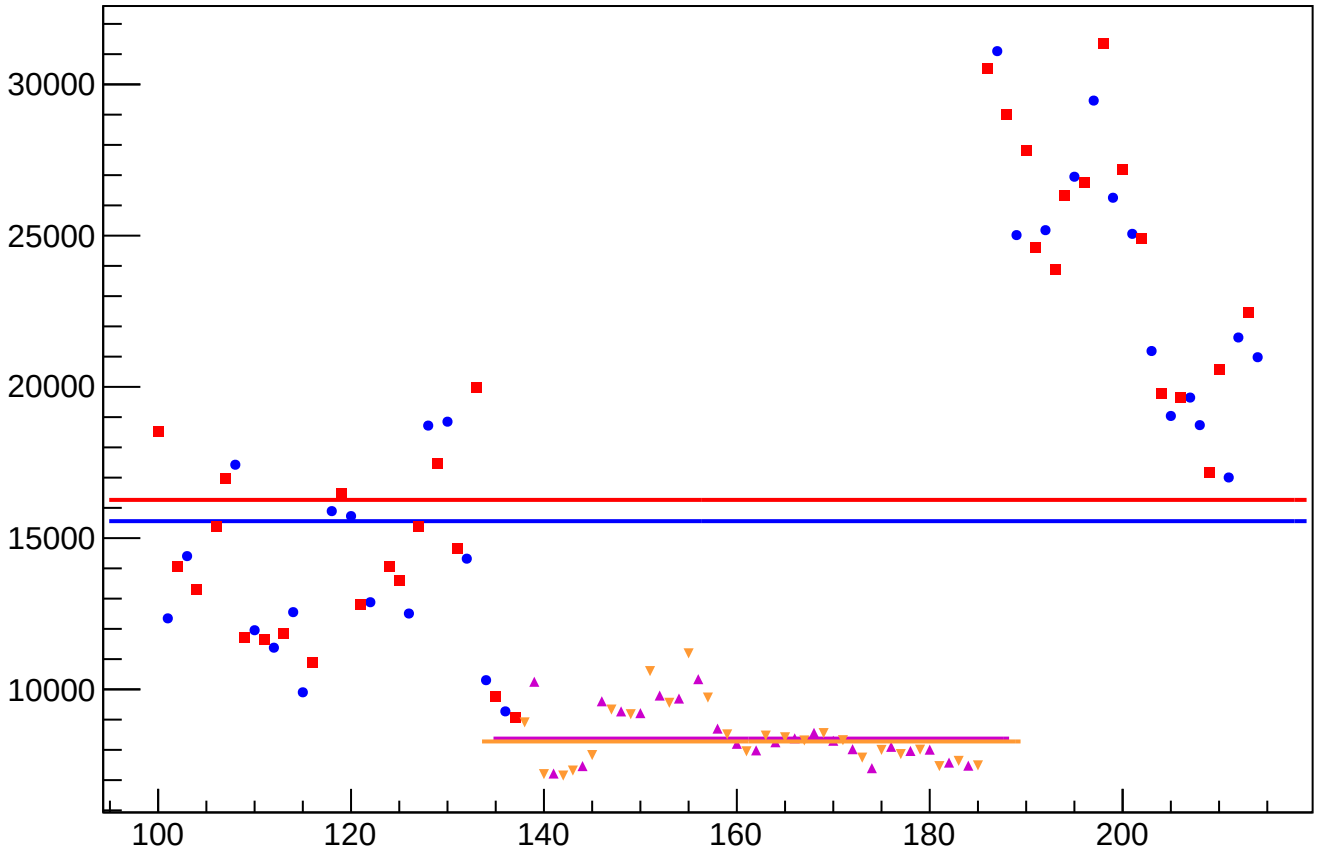
Right Out: -13.157+/-3.959 χ^2/NDF: 28.1/33

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

\+ sign -9.520+/-1.702 χ^2/NDF: 104.3/54

All: -6.541+/-1.225 χ^2/NDF: 175.4/111

\- sign -3.346+/-1.763 χ^2/NDF: 64.8/56



Right In: 15561.323+/-2.729 χ^2/NDF: 3860468.5/29

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16263.863+/-2.800 χ^2/NDF: 4104163.6/33

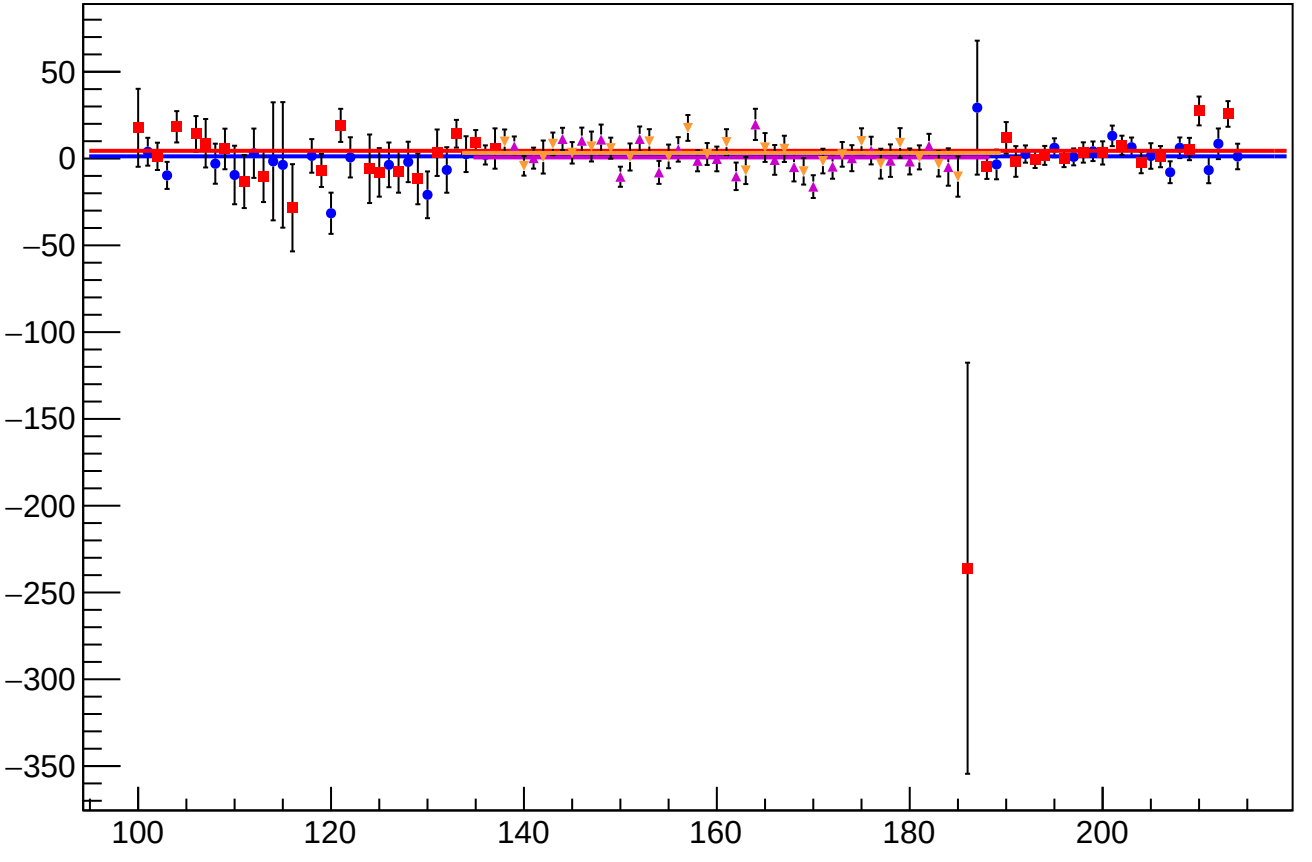
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9694.921+/-1.204 χ^2/NDF: 10054269.5/54

All: 9811.727+/-0.866 χ^2/NDF: 20941112.5/1

- sign 9937.022+/-1.247 χ^2/NDF: 10867322.8/56

diff_bpm4eY_mean vs Slug



Right In: 1.274+/-1.435 χ^2/NDF: 25.1/29

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 4.460+/-1.401 χ^2/NDF: 43.7/33

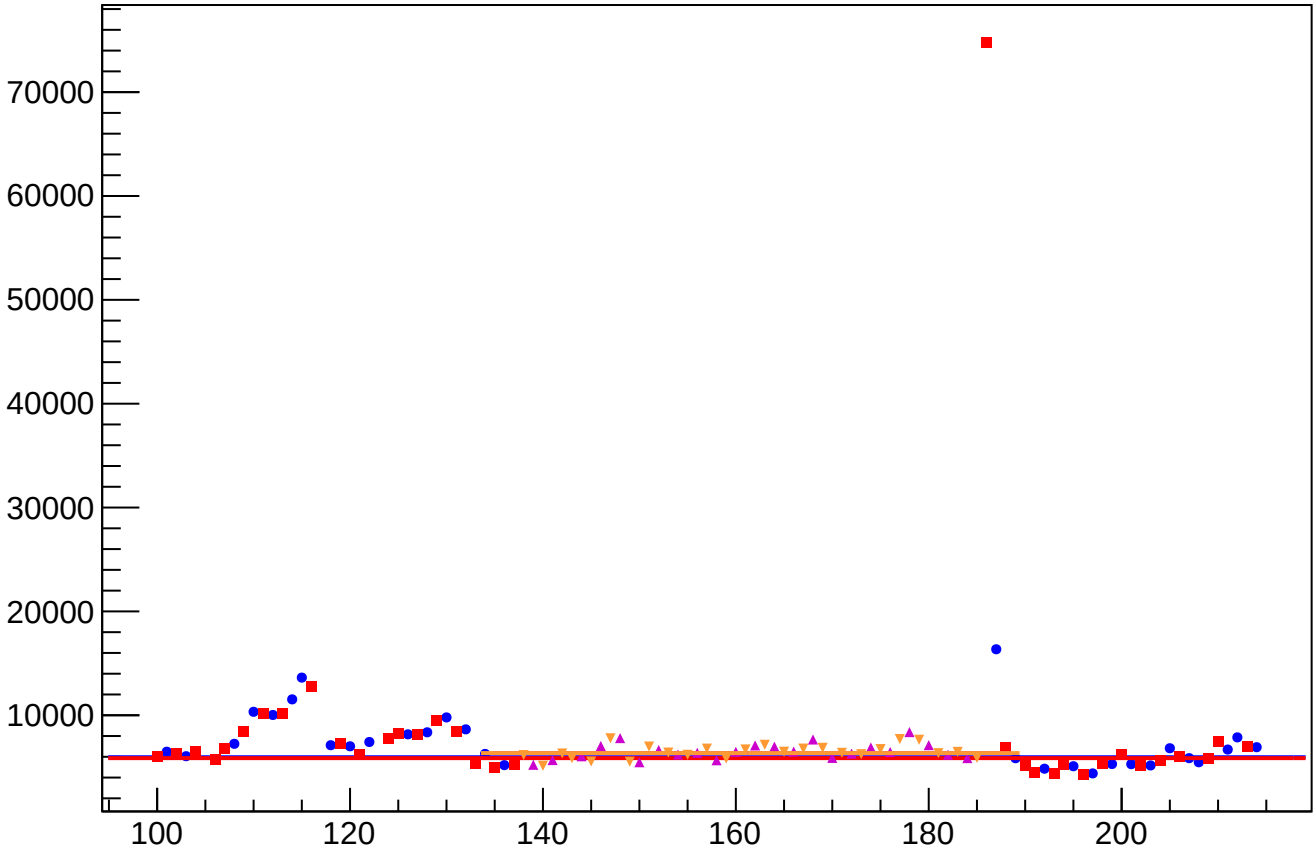
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.250+/-1.023 χ^2/NDF: 43.6/54

All: 2.465+/-0.723 χ^2/NDF: 121.7/111

- sign 2.682+/-1.024 χ^2/NDF: 77.9/56

diff_bpm4eY_rms vs Slug



Right In: 5955.661+/-1.015 χ^2/NDF: 1762729.9/29

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5871.402+/-0.991 χ^2/NDF: 2428752.4/33

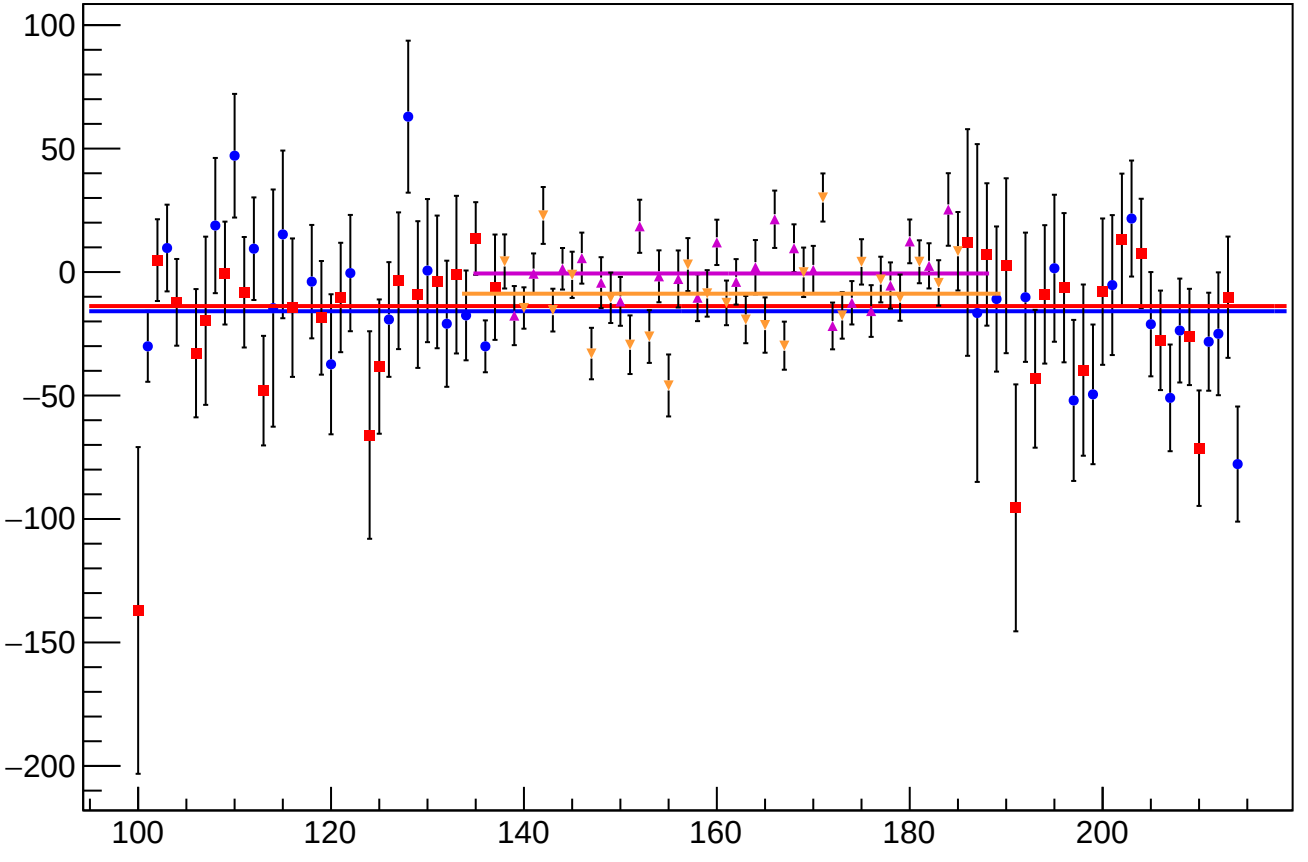
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6153.592+/-0.723 χ^2/NDF: 2254089.9/54

All: 6126.418+/-0.512 χ^2/NDF: 5272875.0/11

- sign 6099.180+/-0.724 χ^2/NDF: 3015956.9/56

diff_bpm4acX_mean vs Slug



Right In: -15.869+/-4.112 χ^2/NDF: 39.6/29

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -13.778+/-4.262 χ^2/NDF: 29.1/33

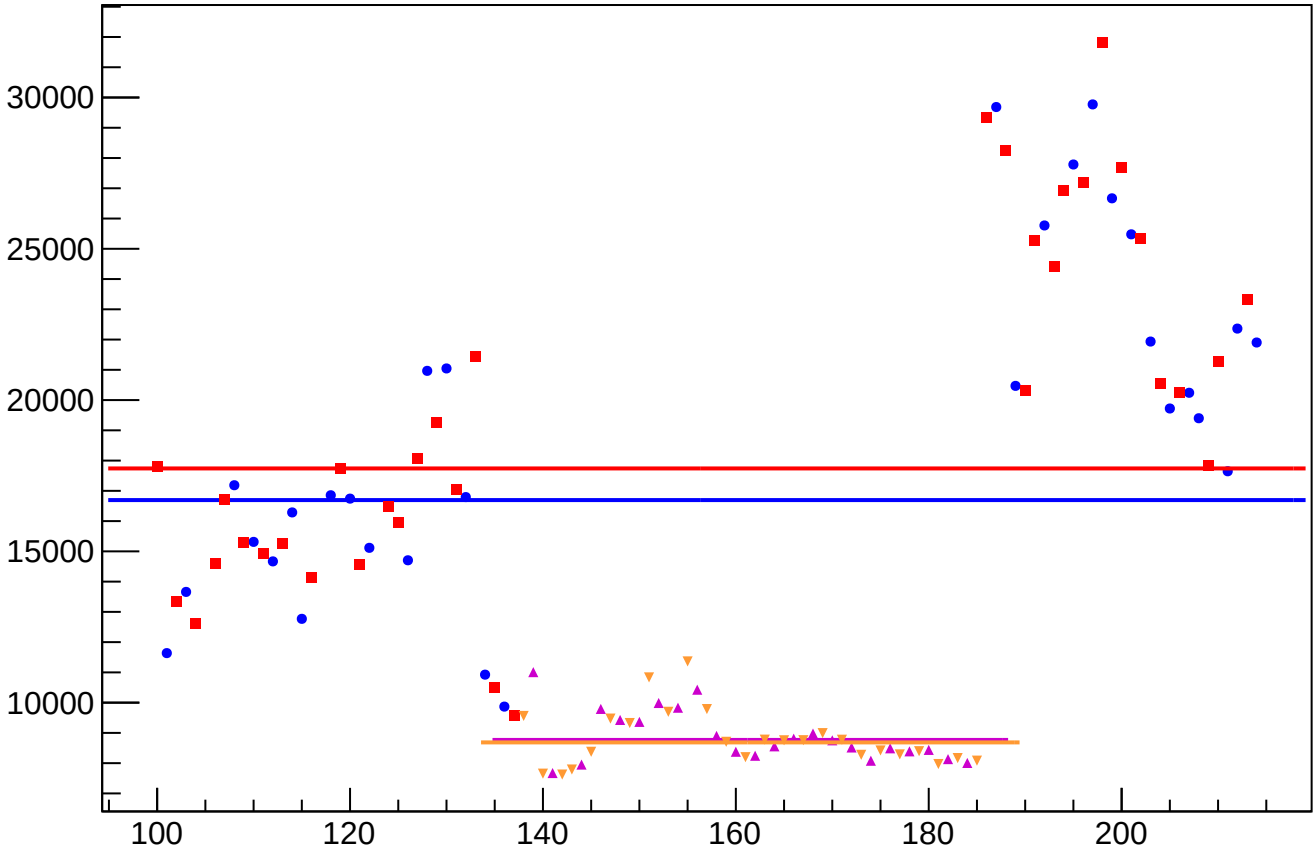
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -10.111+/-1.789 χ^2/NDF: 104.7/54

All: -6.720+/-1.287 χ^2/NDF: 178.6/111

- sign -3.077+/-1.854 χ^2/NDF: 66.4/56

diff_bpm4acX_rms vs Slug



Right In: 16694.780+/-2.908 χ^2/NDF: 3335122.2/29

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17740.537+/-3.014 χ^2/NDF: 3224023.2/33

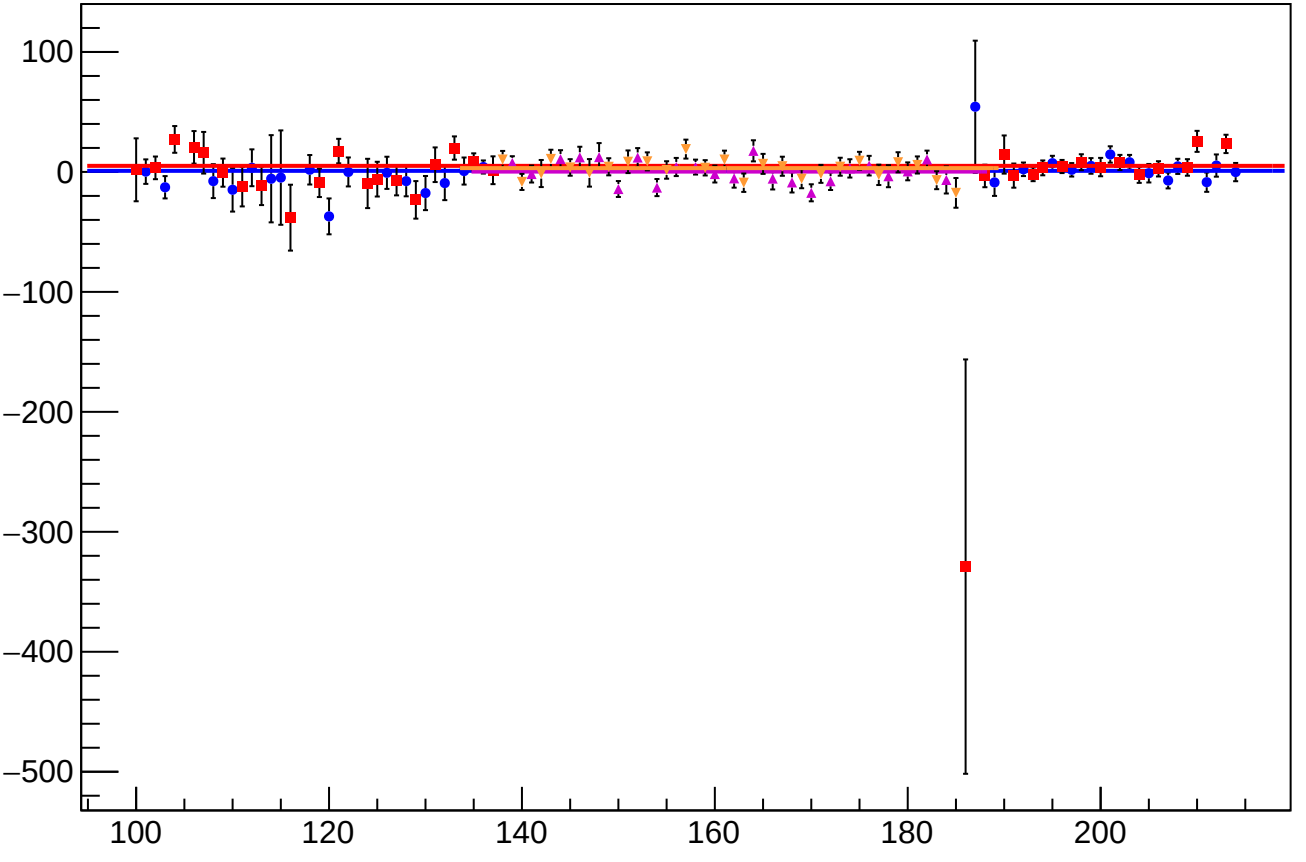
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10202.174+/-1.265 χ^2/NDF: 9826742.5/54

All: 10329.314+/-0.910 χ^2/NDF: 20554740.8

- sign 10465.862+/-1.311 χ^2/NDF: 10707049.4/56

diff_bpm4acY_mean vs Slug



Right In: 0.903+/-1.592 χ^2/NDF: 25.0/29

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

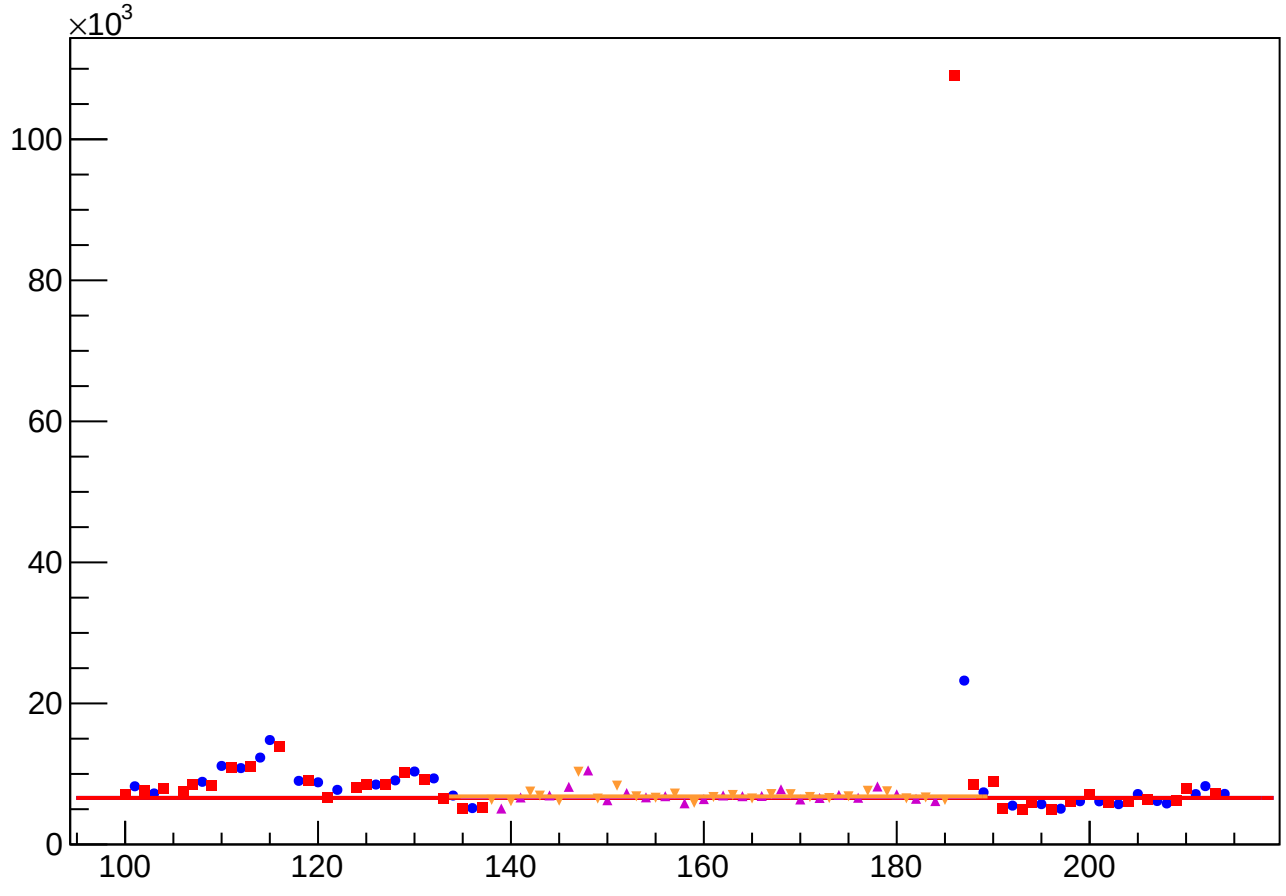
Right Out: 5.065+/-1.578 χ^2/NDF: 41.6/33

Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.059+/-1.115 χ^2/NDF: 47.6/54

All: 2.370+/-0.790 χ^2/NDF: 128.2/111

- sign 2.685+/-1.120 χ^2/NDF: 80.4/56



Right In: 6598.262+/-1.126 χ^2/NDF: 1793624.5/29

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6599.250+/-1.116 χ^2/NDF: 2394589.5/33

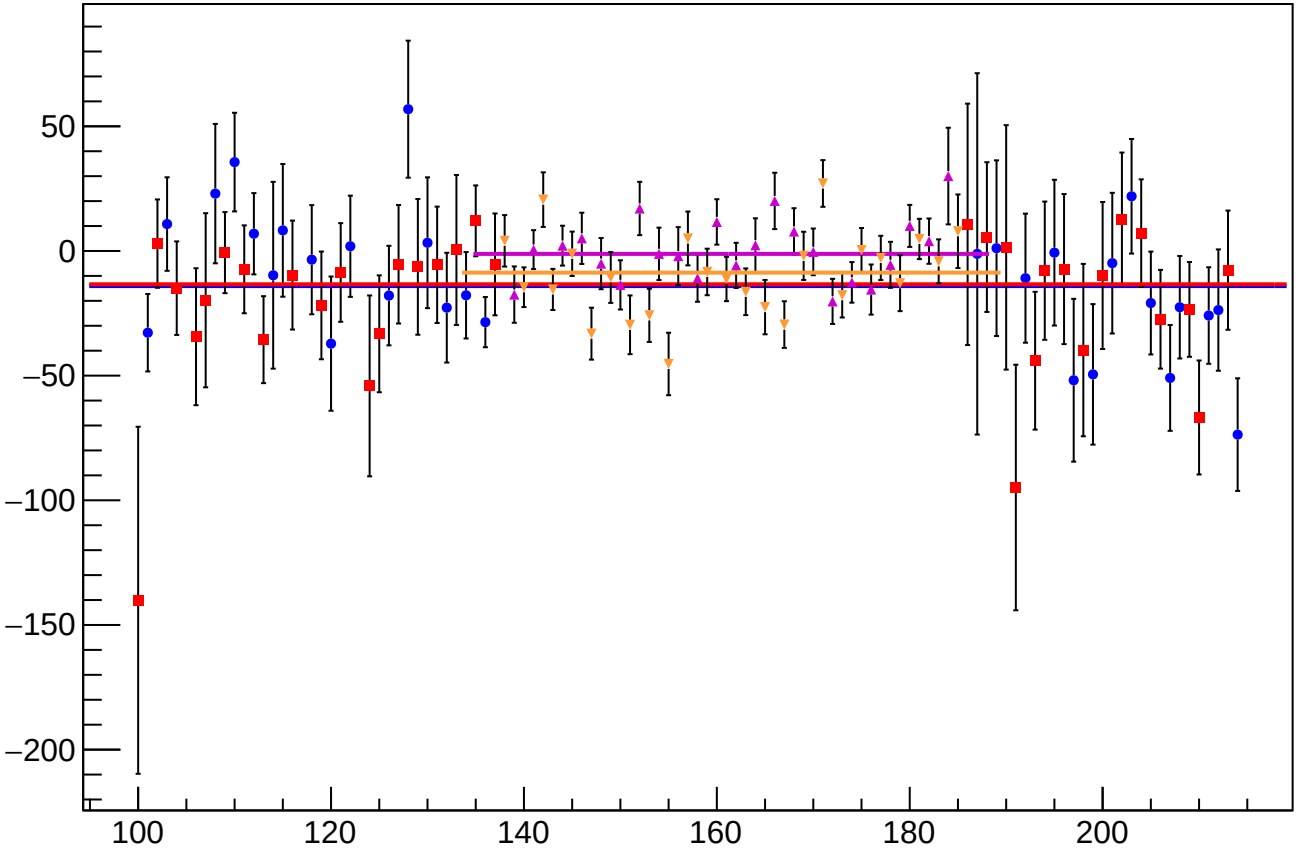
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6707.694+/-0.788 χ^2/NDF: 2206776.6/54

All: 6685.488+/-0.559 χ^2/NDF: 5219587.8/11

- sign 6663.075+/-0.792 χ^2/NDF: 3011217.4/56

diff_bpm4ecX_mean vs Slug



Right In: -14.086+/-3.910 χ^2/NDF: 41.4/29

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

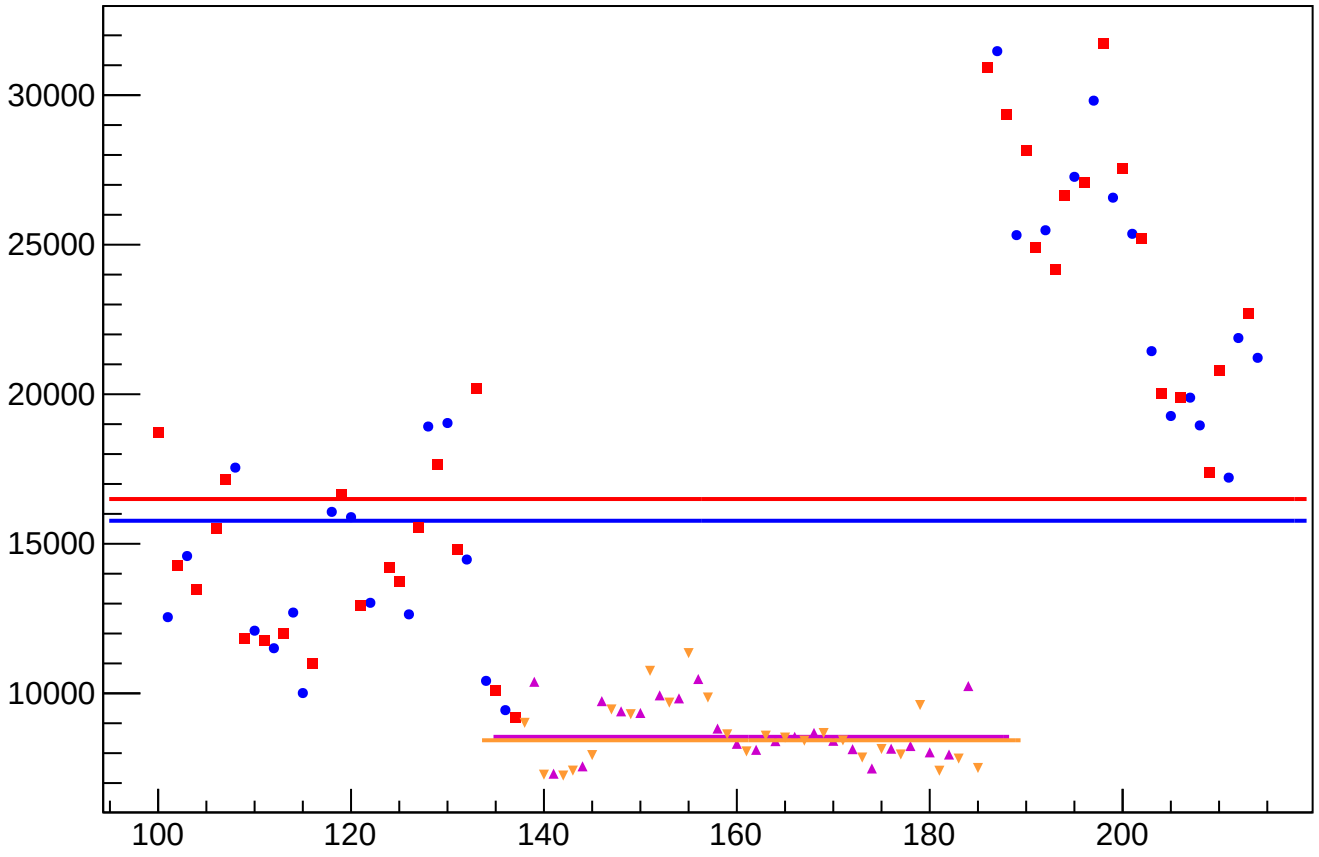
Right Out: -13.362+/-4.014 χ^2/NDF: 26.8/33

Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -9.755+/-1.735 χ^2/NDF: 104.3/54

All: -6.799+/-1.249 χ^2/NDF: 173.0/111

- sign -3.622+/-1.799 χ^2/NDF: 62.7/56



Right In: 15770.012+/-2.765 χ^2/NDF: 3831331.2/29

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16496.560+/-2.838 χ^2/NDF: 4056720.5/33

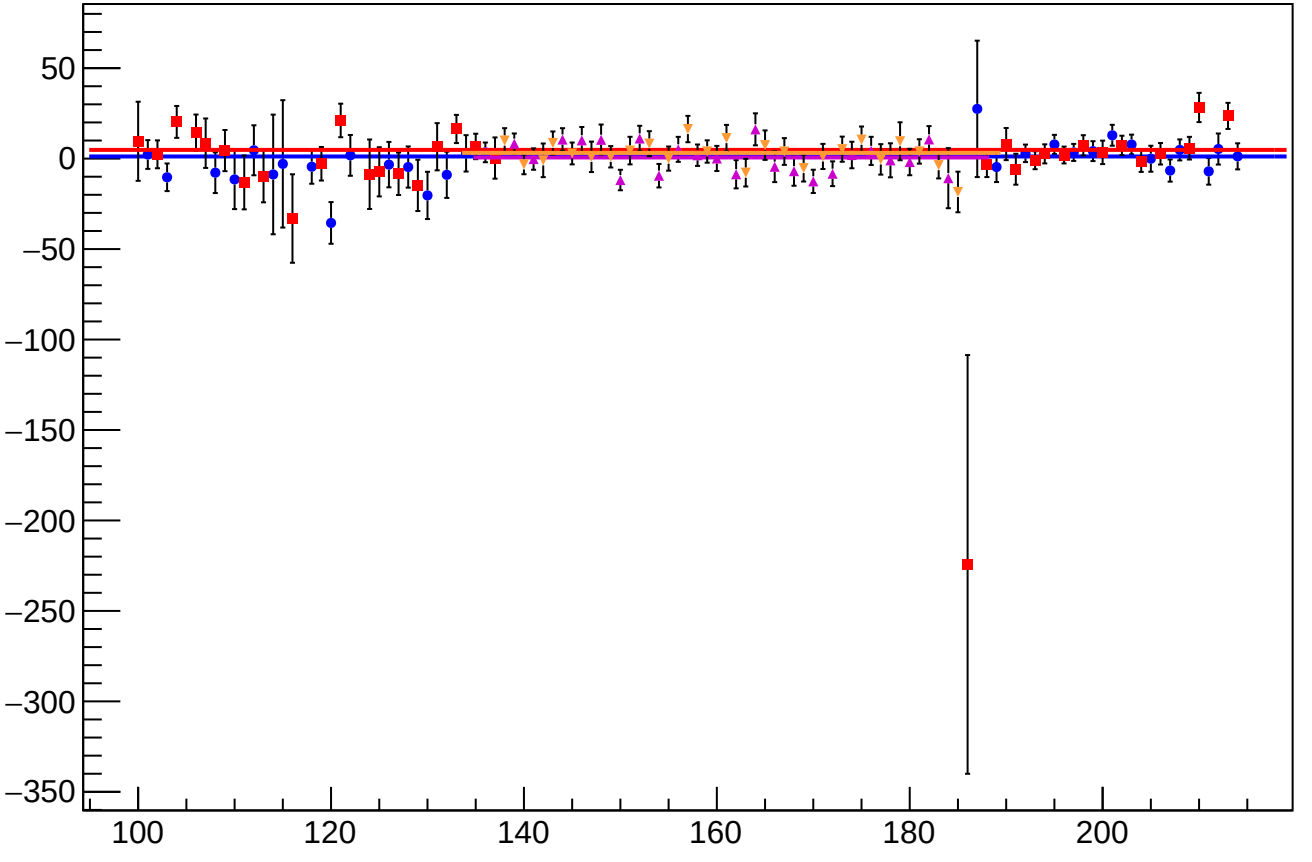
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9876.065+/-1.227 χ^2/NDF: 9975628.5/54

All: 10004.559+/-0.883 χ^2/NDF: 20716525.1

- sign 10142.688+/-1.272 χ^2/NDF: 10718136.2/56

diff_bpm4ecY_mean vs Slug



Right In: 1.184+/-1.401 χ^2/NDF: 30.4/29

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 4.822+/-1.366 χ^2/NDF: 45.4/33

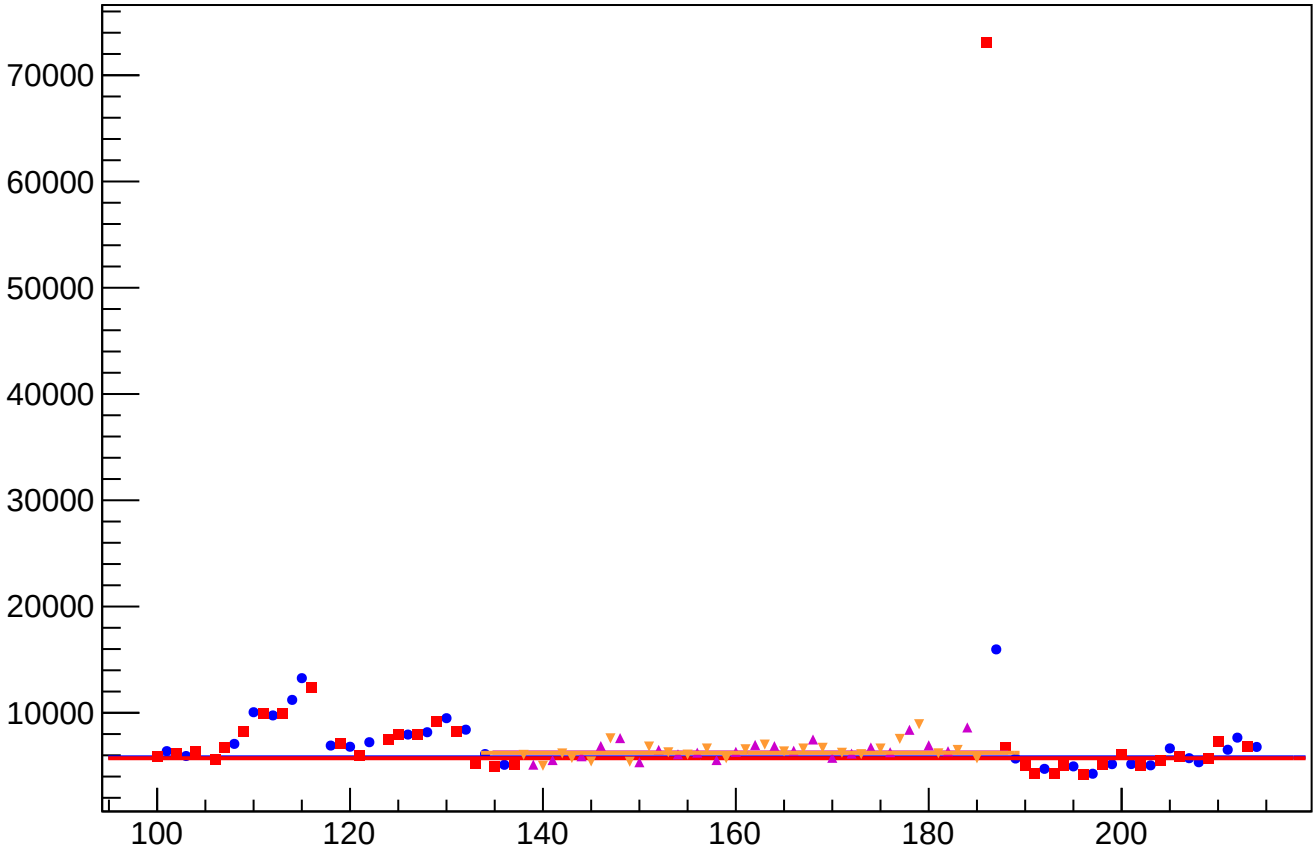
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.160+/-1.002 χ^2/NDF: 50.1/54

All: 2.528+/-0.709 χ^2/NDF: 131.9/111

- sign 2.897+/-1.004 χ^2/NDF: 81.5/56

diff_bpm4ecY_rms vs Slug



Right In: 5809.996+/-0.990 χ^2/NDF: 1763560.2/29

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5724.135+/-0.966 χ^2/NDF: 2411092.6/33

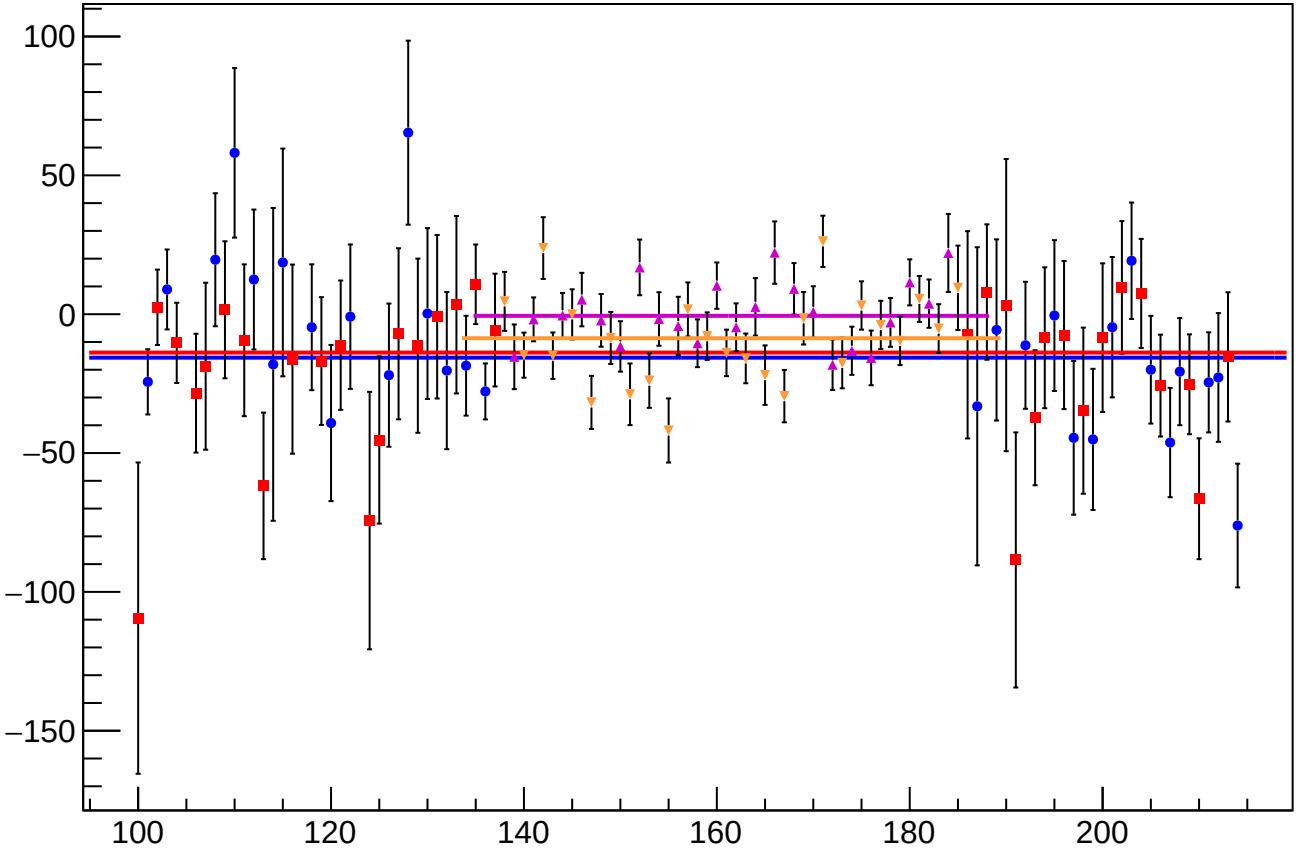
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6018.803+/-0.709 χ^2/NDF: 2362388.9/54

All: 5996.551+/-0.502 χ^2/NDF: 5445541.9/11

- sign 5974.198+/-0.710 χ^2/NDF: 3081176.7/56

diff_bpm1X_mean vs Slug



Right In: -15.651+/-3.898 χ^2/NDF: 38.6/29

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -13.818+/-4.060 χ^2/NDF: 29.1/33

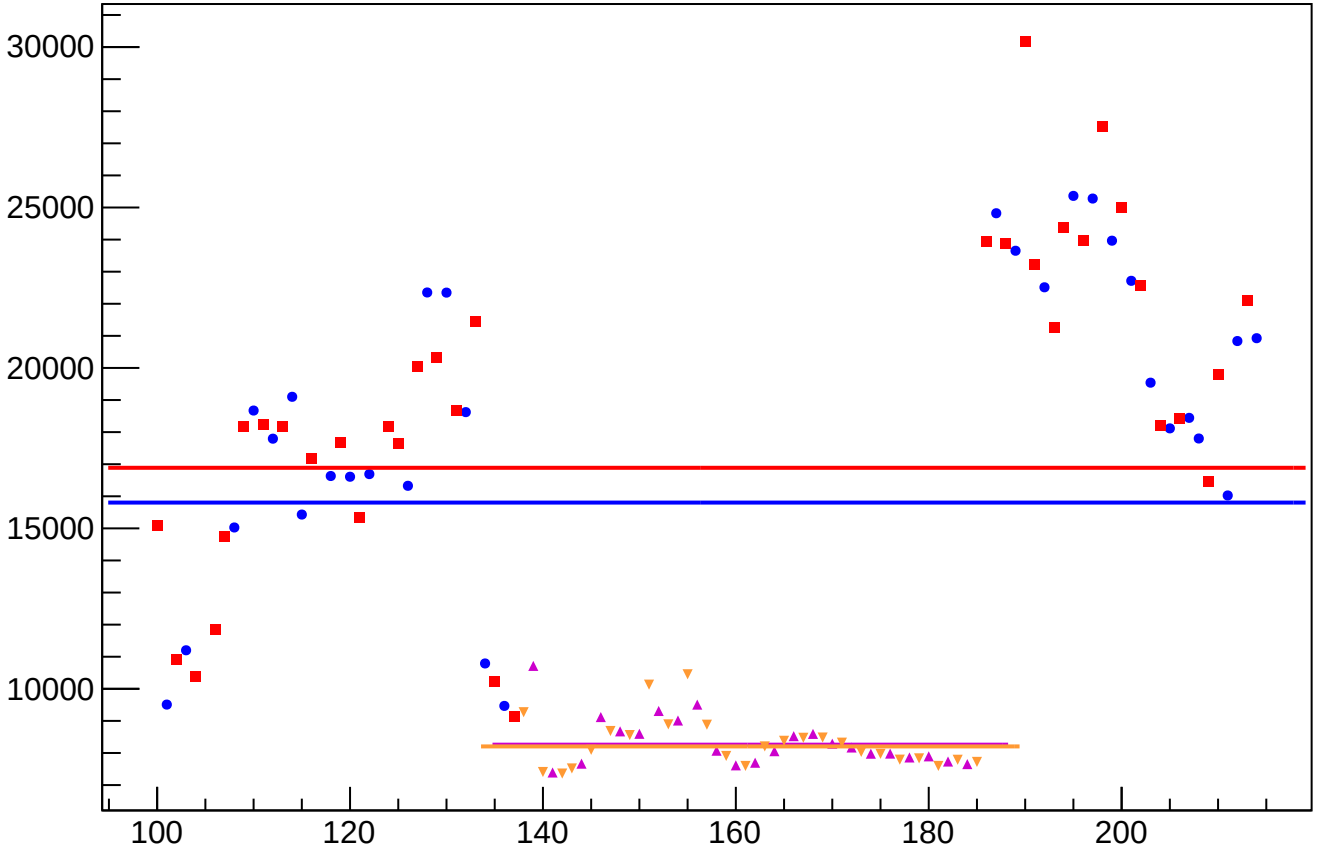
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

\+ sign -9.966+/-1.690 χ^2/NDF: 104.3/54

All: -6.624+/-1.215 χ^2/NDF: 178.6/111

\- sign -3.041+/-1.750 χ^2/NDF: 66.2/56

diff_bpm1X_rms vs Slug



Right In: 15804.071+/-2.756 χ^2/NDF: 3485798.9/29

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16888.099+/-2.871 χ^2/NDF: 3254439.4/33

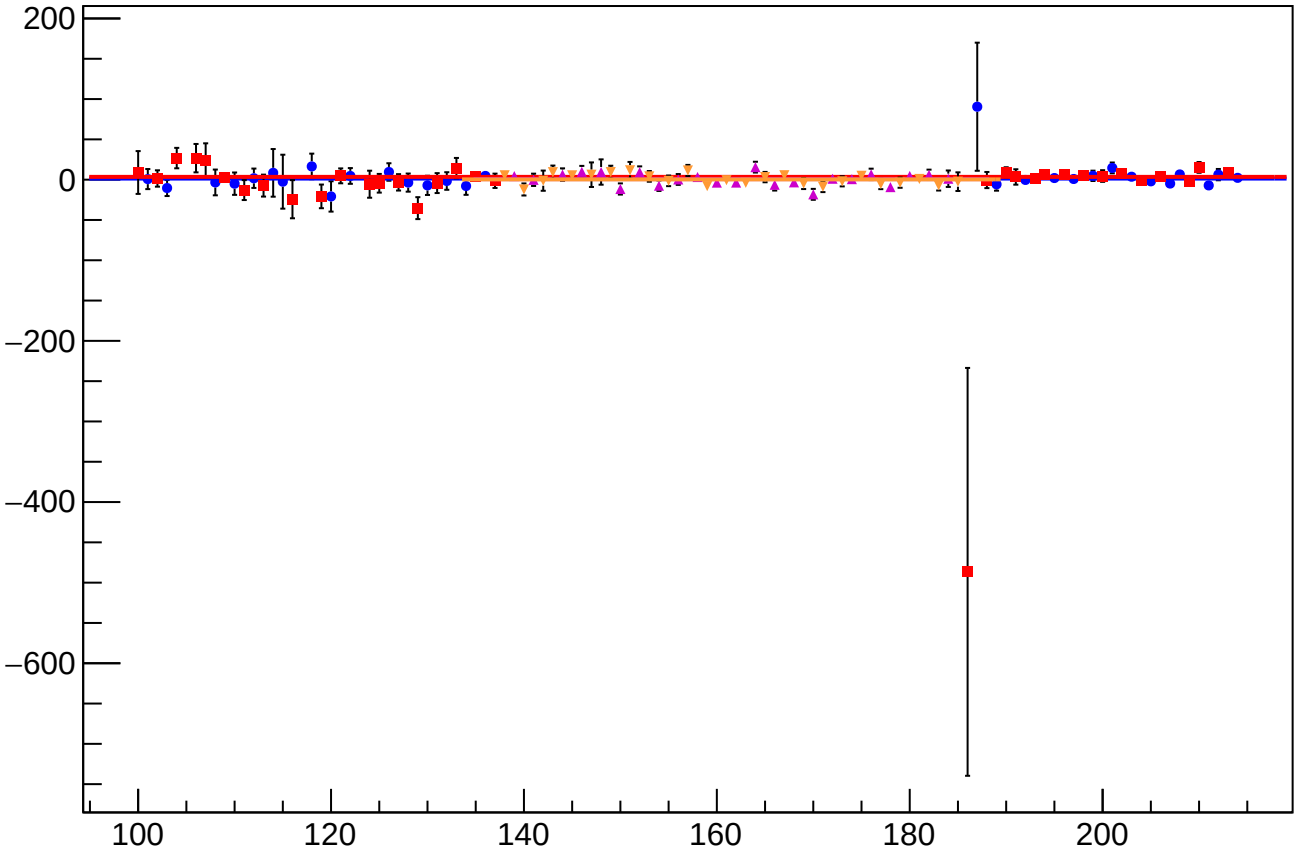
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9632.523+/-1.195 χ^2/NDF: 9932025.8/54

All: 9743.161+/-0.859 χ^2/NDF: 20819214.4/1

- sign 9861.768+/-1.237 χ^2/NDF: 10869422.6/56

diff_bpm1Y_mean vs Slug



Right In: 1.372+/-1.370 χ^2/NDF: 18.6/29

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 3.464+/-1.327 χ^2/NDF: 34.8/33

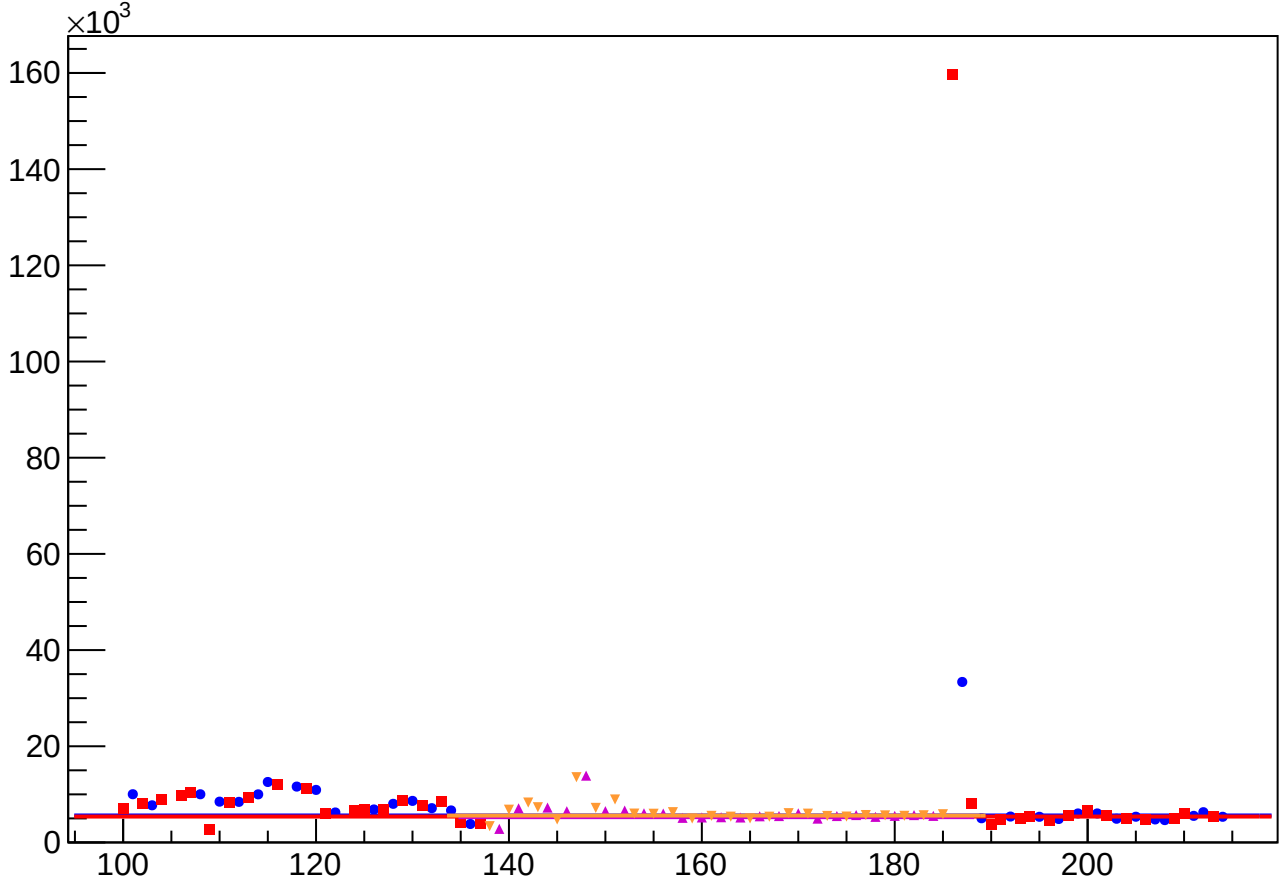
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.844+/-0.951 χ^2/NDF: 40.4/54

All: 1.463+/-0.663 χ^2/NDF: 108.1/111

- sign 2.049+/-0.925 χ^2/NDF: 66.9/56

diff_bpm1Y_rms vs Slug



Right In: 5611.668+/-0.969 χ^2/NDF: 2458752.7/29

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5386.209+/-0.938 χ^2/NDF: 3815434.9/33

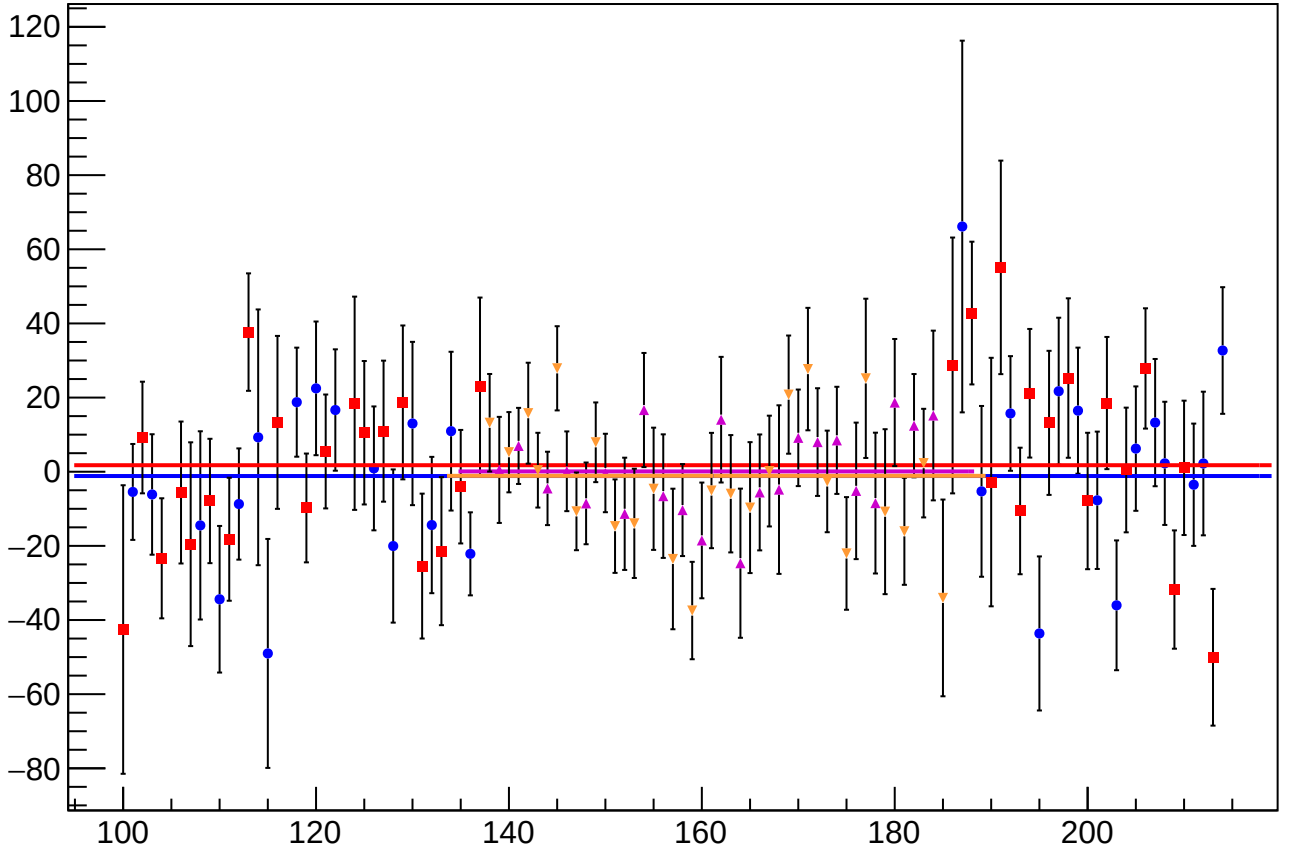
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5602.779+/-0.673 χ^2/NDF: 4243174.5/54

All: 5458.949+/-0.469 χ^2/NDF: 10582138.2/1

- sign 5322.798+/-0.654 χ^2/NDF: 6249931.7/56

diff_bpm11X_mean vs Slug



Right In: -1.159+/-3.261 χ^2/NDF: 35.0/29

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 1.758+/-3.236 χ^2/NDF: 46.2/33

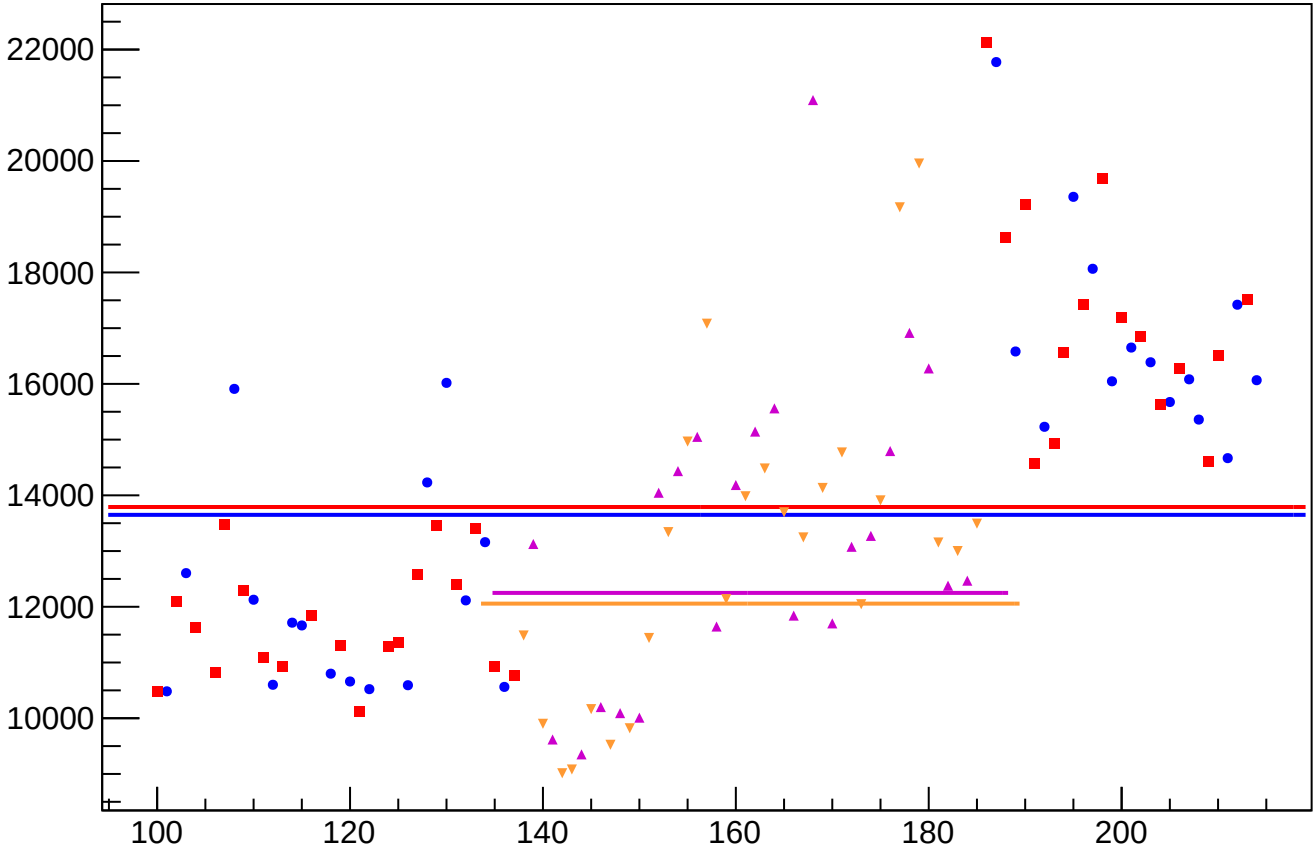
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -1.132+/-2.130 χ^2/NDF: 68.8/54

All: -0.166+/-1.520 χ^2/NDF: 127.0/111

- sign 0.837+/-2.171 χ^2/NDF: 57.8/56

diff_bpm11X_rms vs Slug



Right In: 13649.778+/-2.306 χ^2/NDF: 1425952.0/29

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13790.636+/-2.288 χ^2/NDF: 1520279.3/33

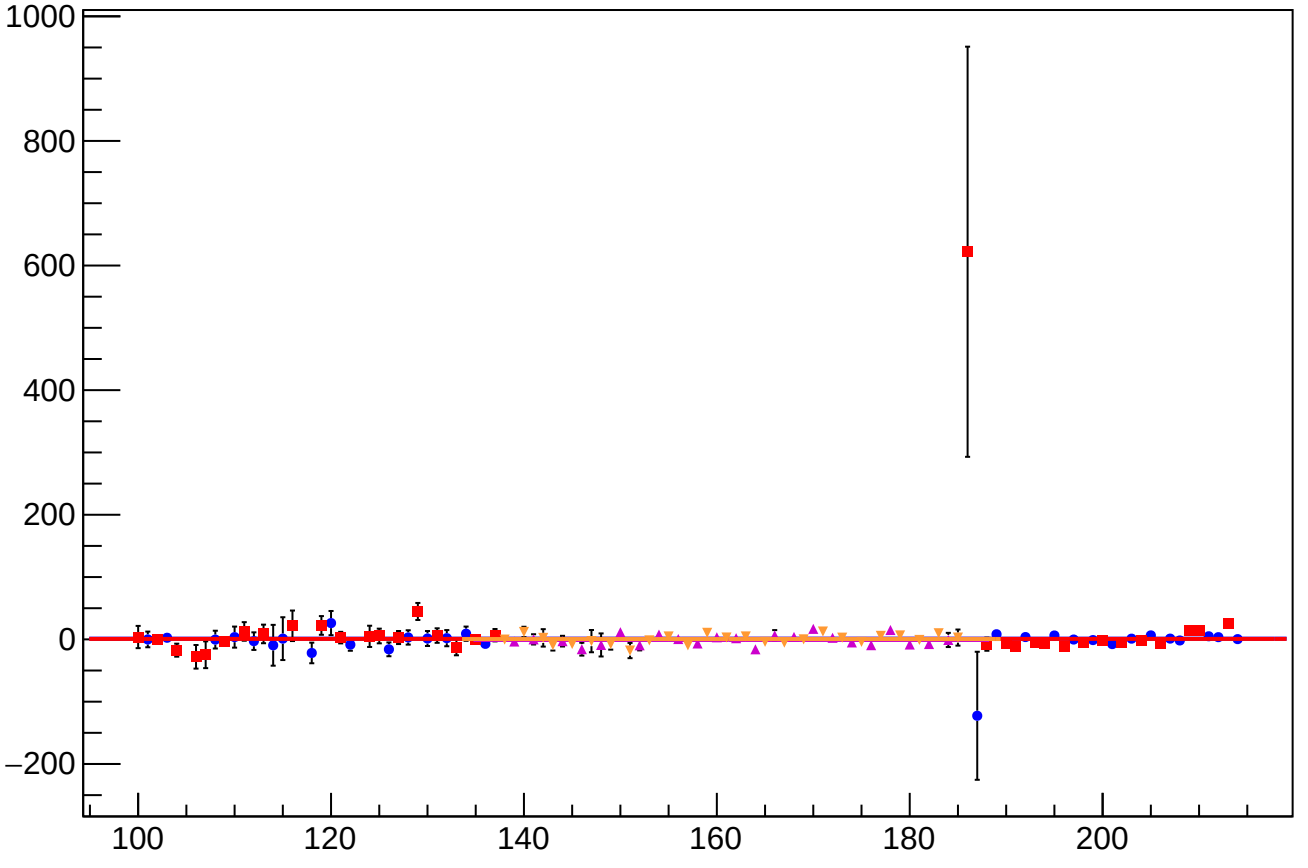
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

\+ sign 12736.384+/-1.506 χ^2/NDF: 3261343.5/54

All: 12837.536+/-1.075 χ^2/NDF: 6456511.7/1

\- sign 12942.566+/-1.535 χ^2/NDF: 3185975.0/56

diff_bpm11Y_mean vs Slug



Right In: 1.130+/-1.133 χ^2/NDF: 21.7/29

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 0.753+/-1.133 χ^2/NDF: 100.3/33

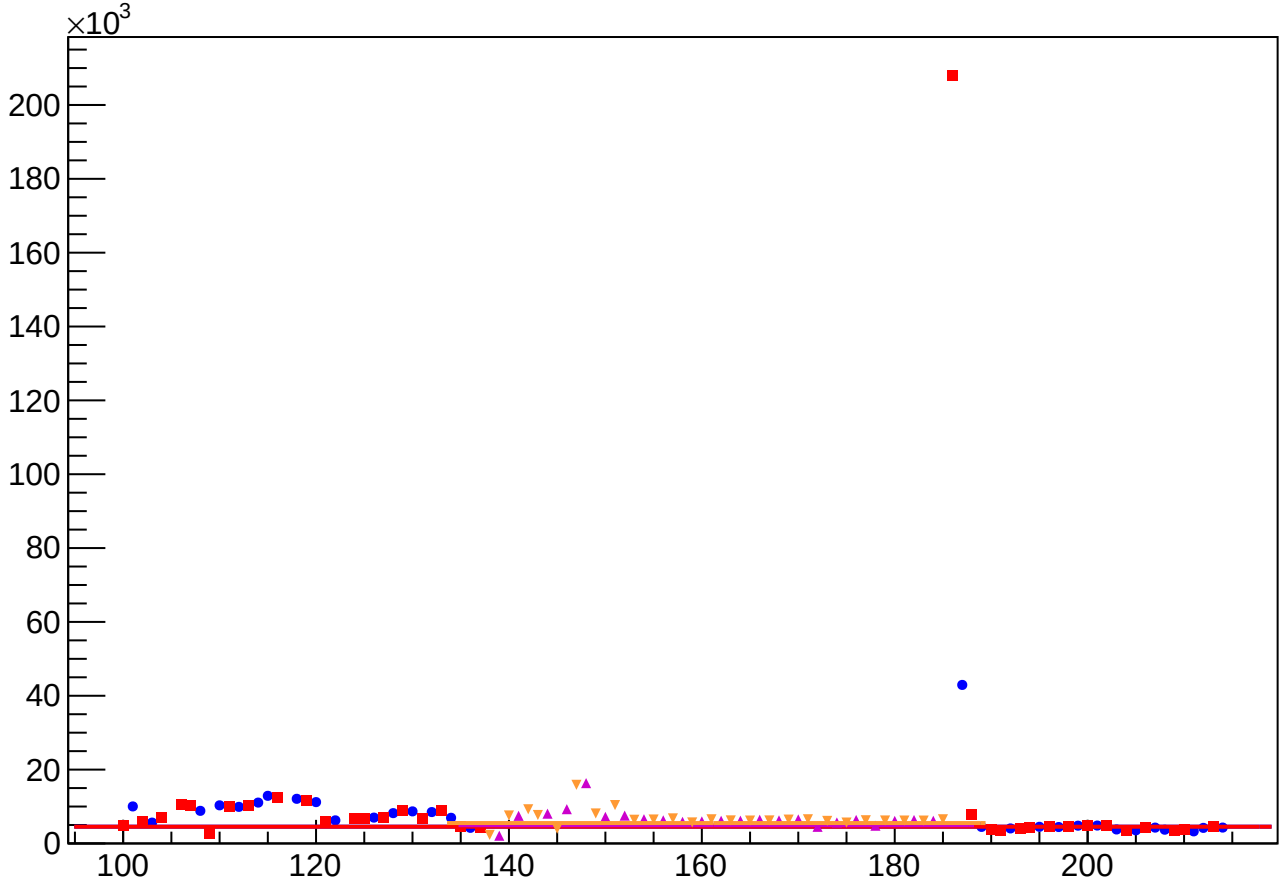
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.884+/-0.873 χ^2/NDF: 43.2/54

All: 0.440+/-0.610 χ^2/NDF: 177.2/111

- sign 0.016+/-0.852 χ^2/NDF: 133.5/56

diff_bpm11Y_rms vs Slug



Right In: 4543.049+/-0.801 χ^2/NDF: 3723285.7/29

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4532.211+/-0.801 χ^2/NDF: 4227343.2/33

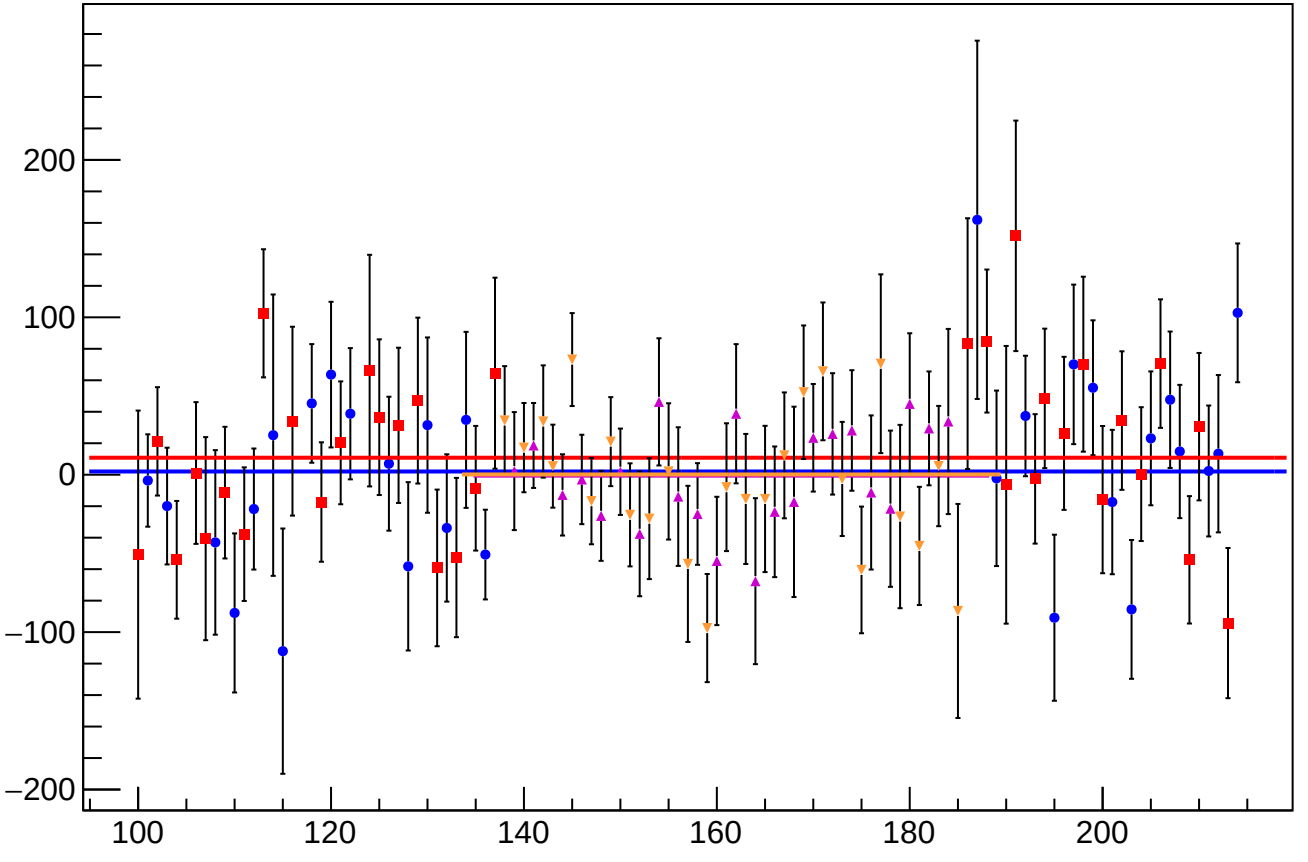
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4943.344+/-0.617 χ^2/NDF: 8713730.5/54

All: 4823.890+/-0.431 χ^2/NDF: 19063964.1/1

- sign 4709.916+/-0.603 χ^2/NDF: 10276989.7/56

diff_bpm12X_mean vs Slug



Right In: 2.055+/-8.160 χ^2/NDF: 36.6/29

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

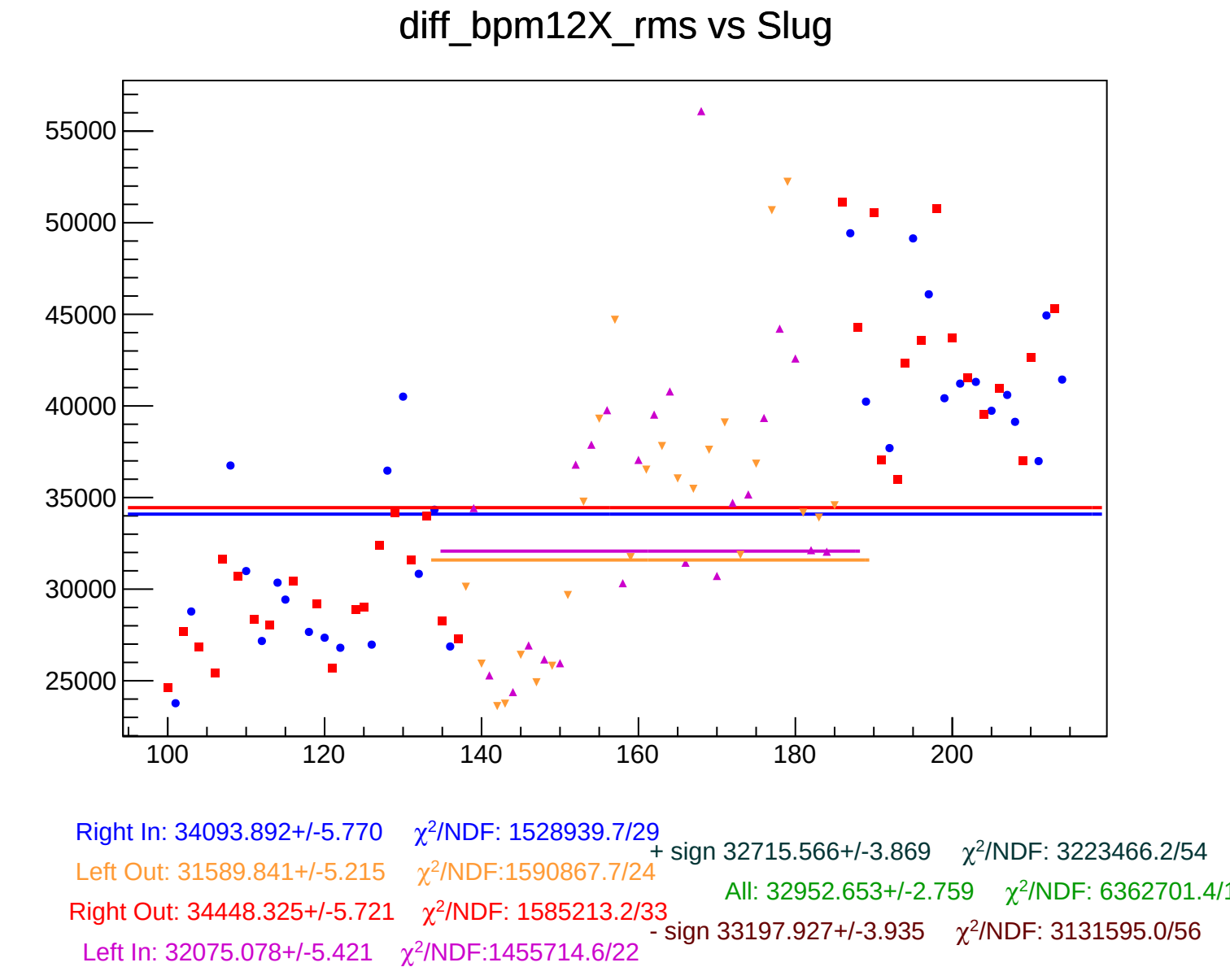
Right Out: 10.804+/-8.091 χ^2/NDF: 37.4/33

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

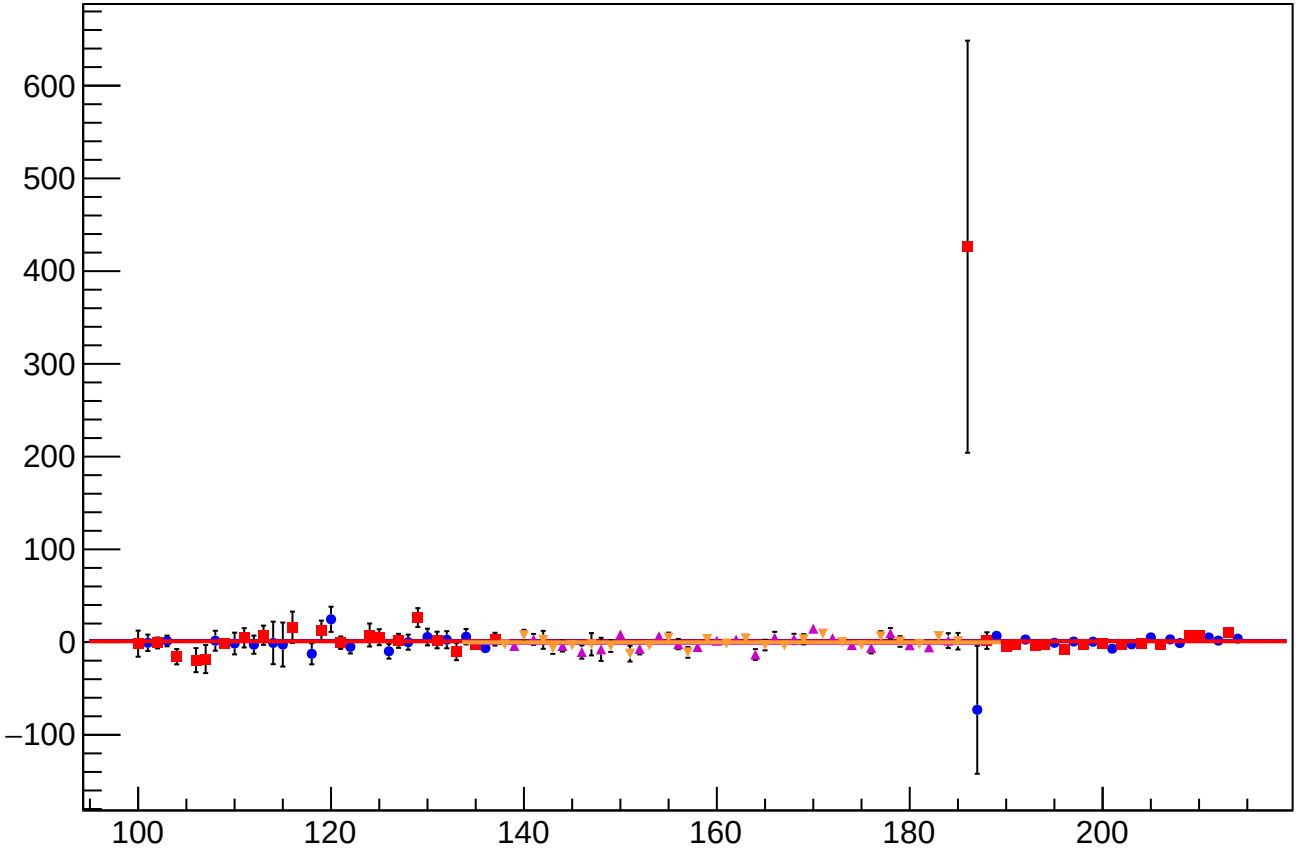
+ sign 1.016+/-5.471 χ^2/NDF: 67.8/54

All: 2.877+/-3.902 χ^2/NDF: 119.3/111

- sign 4.803+/-5.565 χ^2/NDF: 51.3/56


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 34093.892+/-5.770 χ²/NDF: 1528939.7/29
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 34448.325+/-5.721 χ²/NDF: 1585213.2/33
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32715.566+/-3.869 χ²/NDF: 3223466.2/54
All: 32952.653+/-2.759 χ²/NDF: 6362701.4/1
- sign 33197.927+/-3.935 χ²/NDF: 3131595.0/56

diff_bpm12Y_mean vs Slug



Right In: 1.198+/-0.664 χ^2/NDF: 34.8/29

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.872+/-0.701 χ^2/NDF: 76.3/33

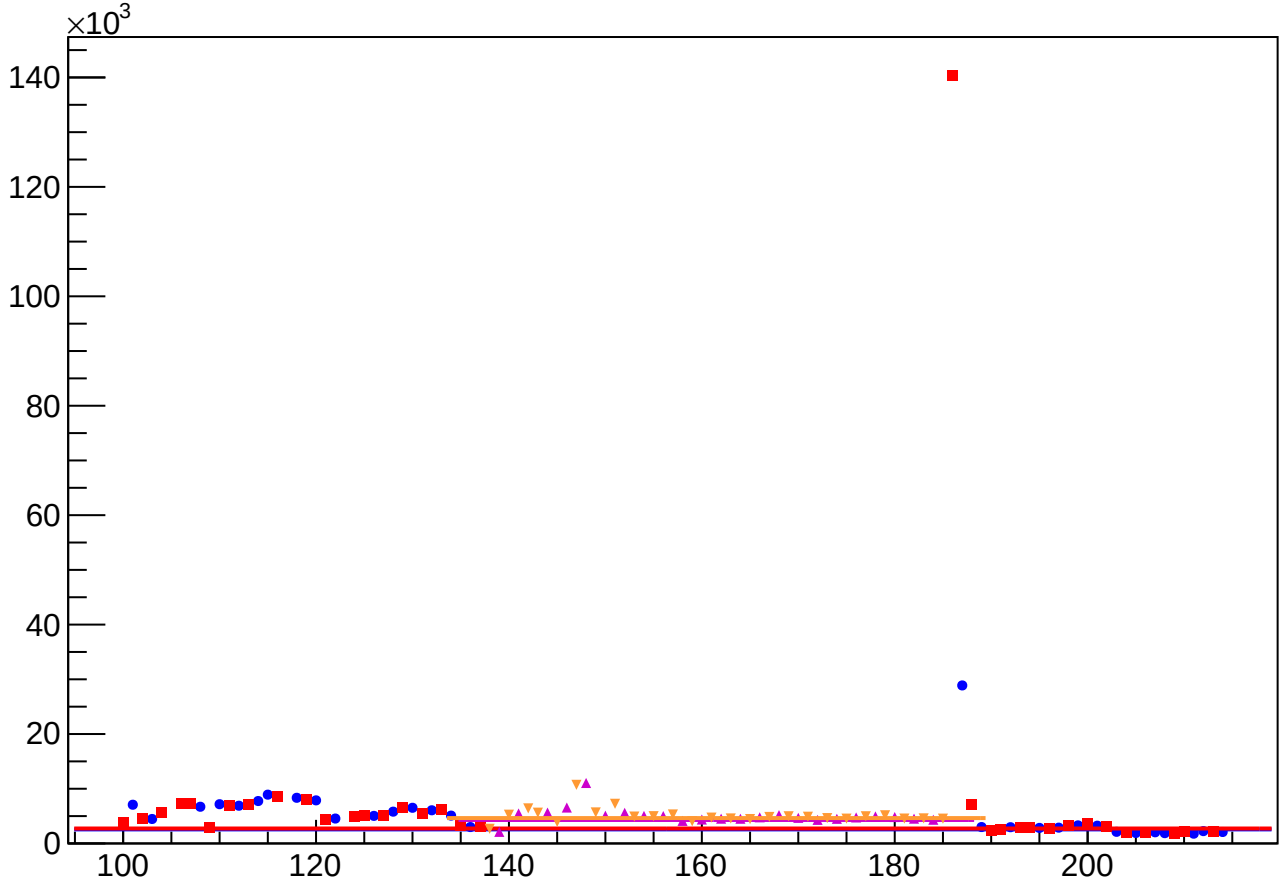
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign 0.815+/-0.567 χ^2/NDF: 56.0/54

All: 0.598+/-0.407 χ^2/NDF: 168.1/111

\- sign 0.368+/-0.585 χ^2/NDF: 111.8/56

diff_bpm12Y_rms vs Slug



Right In: 2570.293+/-0.469 χ^2/NDF: 5931846.1/29

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2732.662+/-0.496 χ^2/NDF: 6255246.0/33

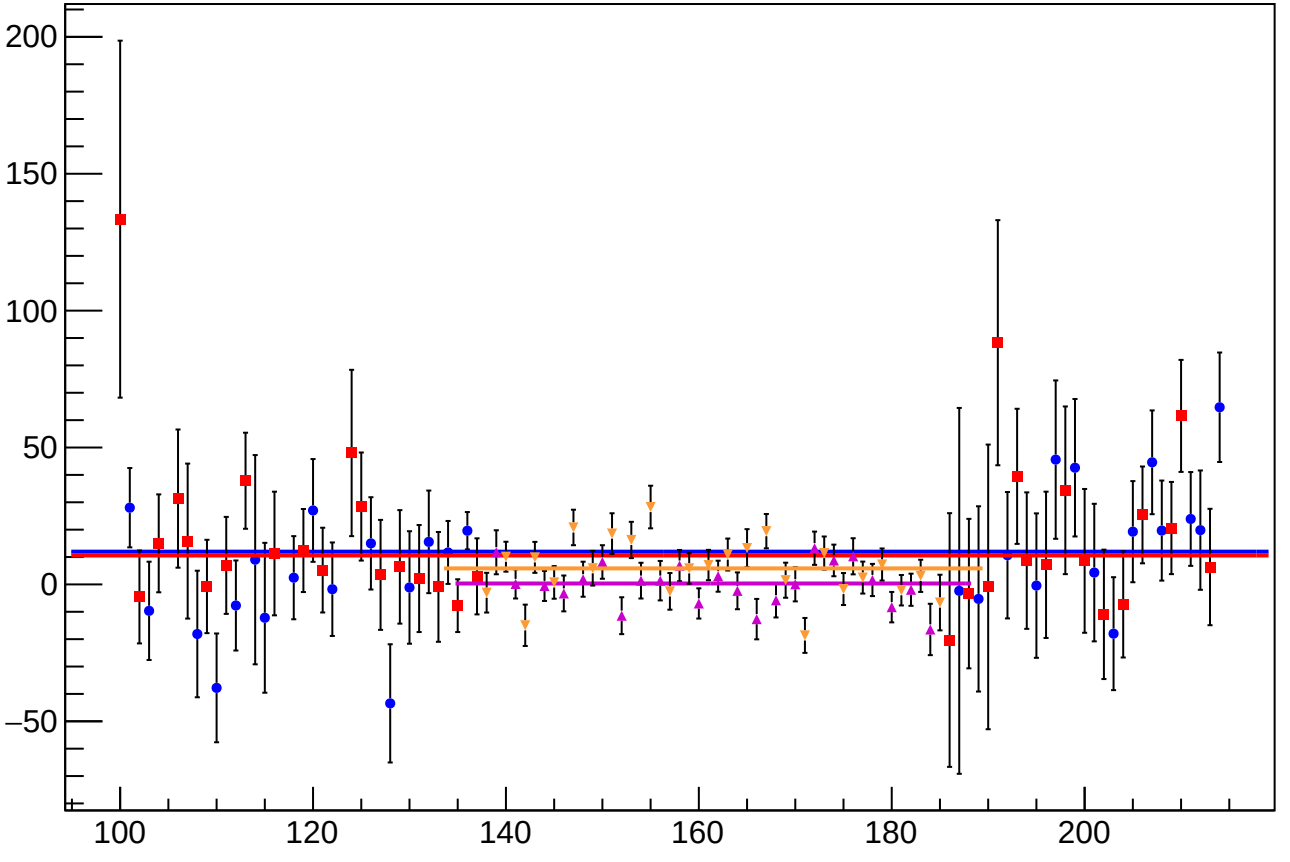
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3126.329+/-0.401 χ^2/NDF: 12915309.4/54

All: 3165.697+/-0.288 χ^2/NDF: 25307057.8/1

- sign 3207.509+/-0.413 χ^2/NDF: 12371892.2/56

diff_bpm16X_mean vs Slug



Right In: 11.963+/-3.221 χ^2/NDF: 39.3/29

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 10.559+/-3.427 χ^2/NDF: 29.9/33

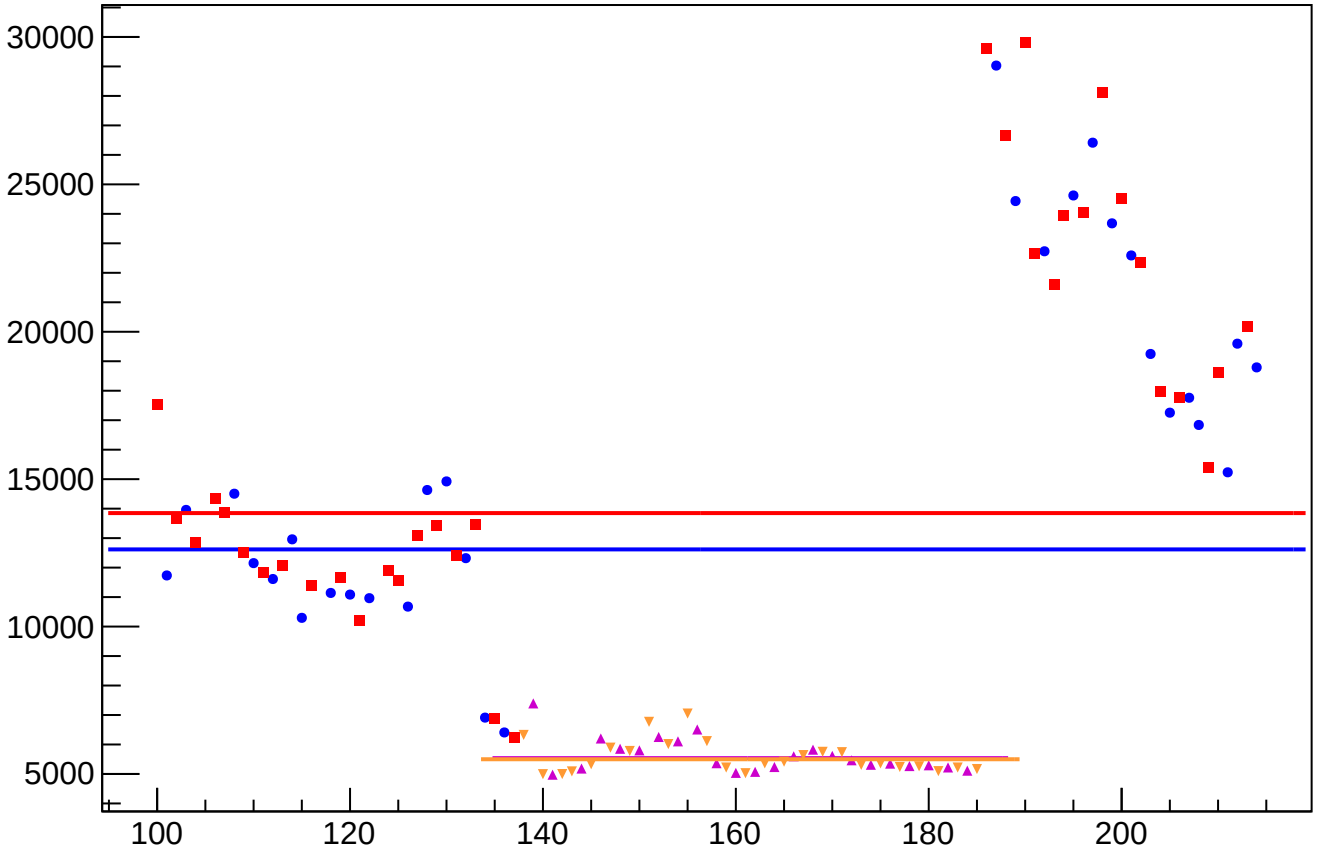
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

\+ sign 6.657+/-1.171 χ^2/NDF: 102.5/54

All: 4.235+/-0.844 χ^2/NDF: 178.3/111

\- sign 1.624+/-1.216 χ^2/NDF: 67.0/56

diff_bpm16X_rms vs Slug



Right In: 12617.559+/-2.278 χ^2/NDF: 5676123.8/29

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13849.486+/-2.423 χ^2/NDF: 5210921.7/33

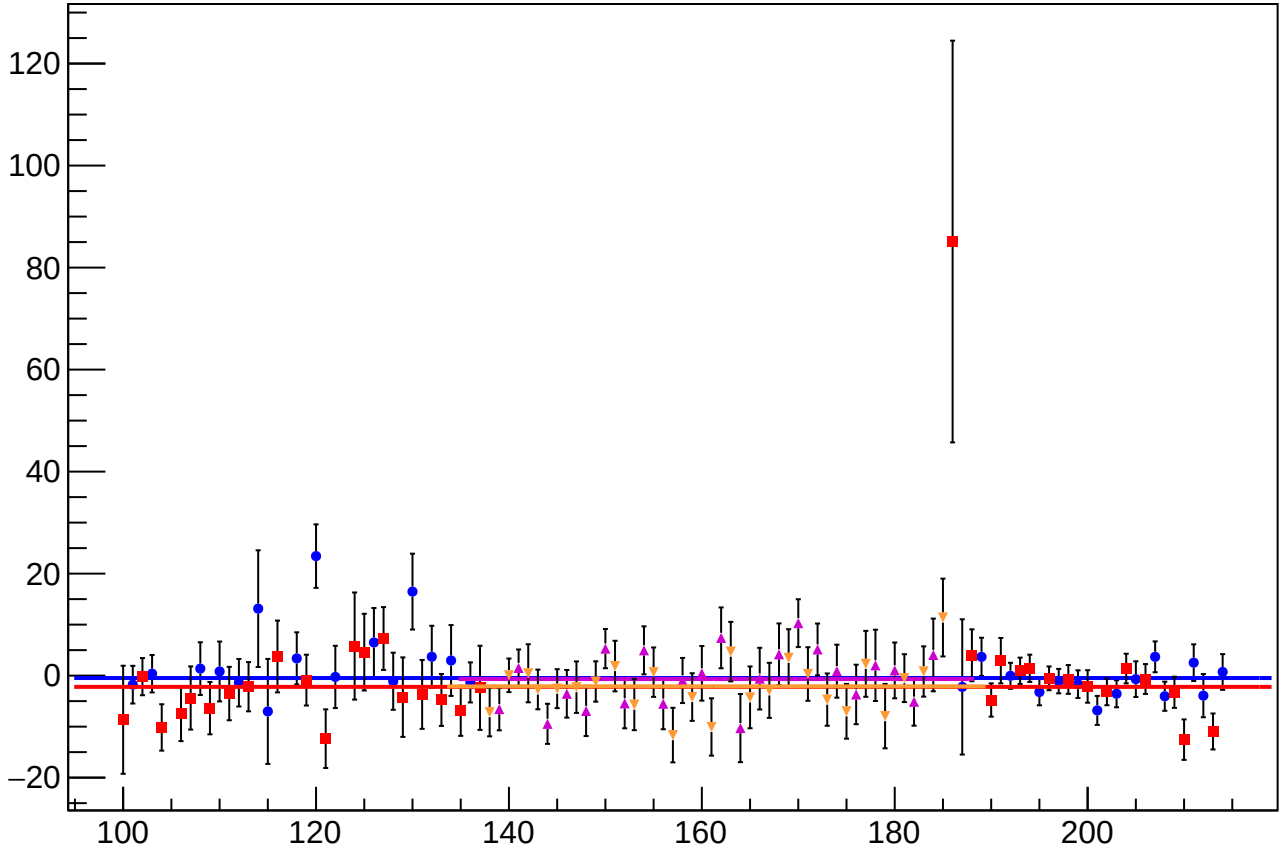
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6440.568+/-0.828 χ^2/NDF: 14450251.2/54

All: 6509.753+/-0.597 χ^2/NDF: 30261641.1/1

- sign 6584.334+/-0.860 χ^2/NDF: 15796890.5/56

diff_bpm16Y_mean vs Slug



Right In: -0.469+/-0.701 χ^2/NDF: 38.5/29

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -2.205+/-0.690 χ^2/NDF: 42.0/33

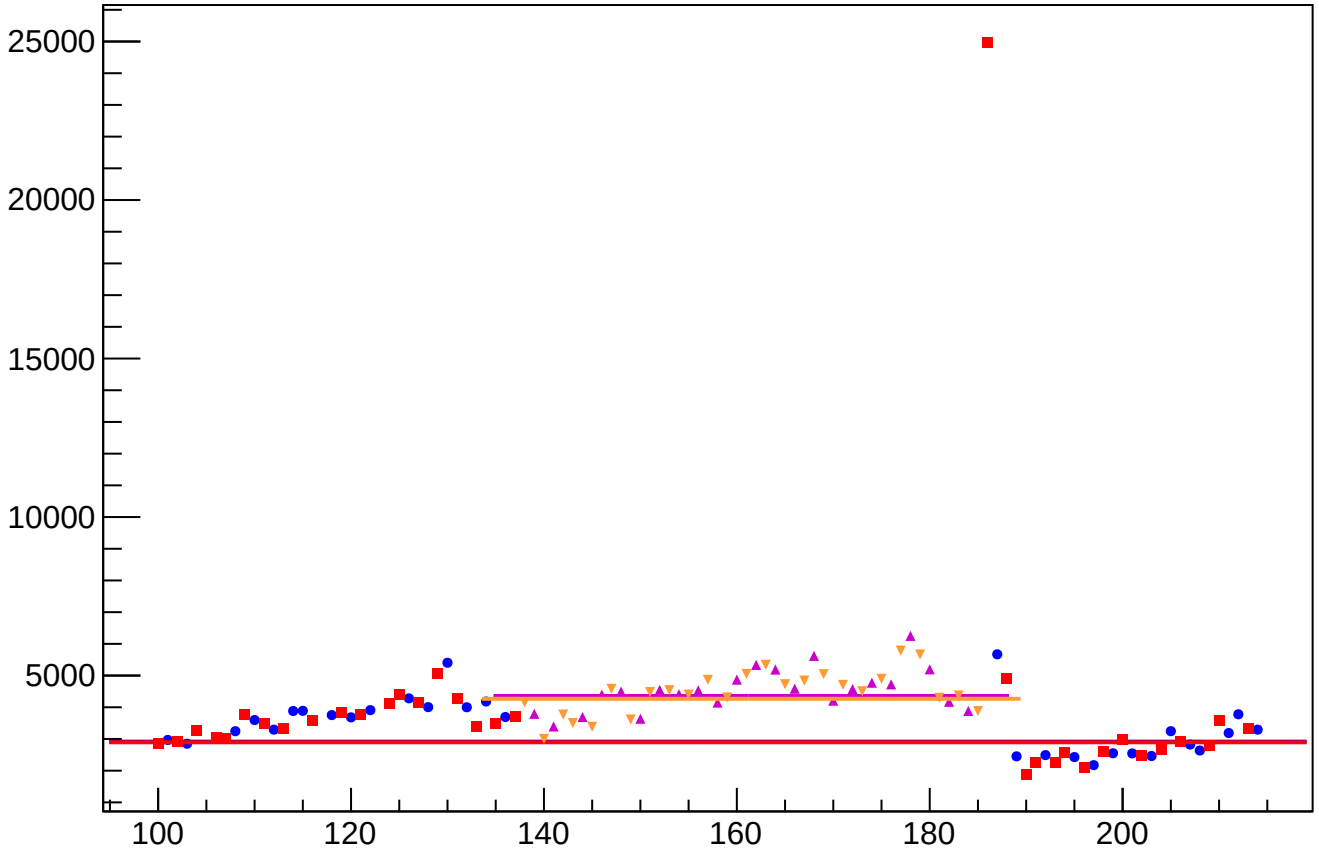
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.021+/-0.572 χ^2/NDF: 57.8/54

All: -1.375+/-0.405 χ^2/NDF: 130.5/111

- sign -1.731+/-0.573 χ^2/NDF: 71.9/56

diff_bpm16Y_rms vs Slug



Right In: 2915.009+/-0.496 χ^2/NDF: 1527546.9/29

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2895.929+/-0.488 χ^2/NDF: 2514256.3/33

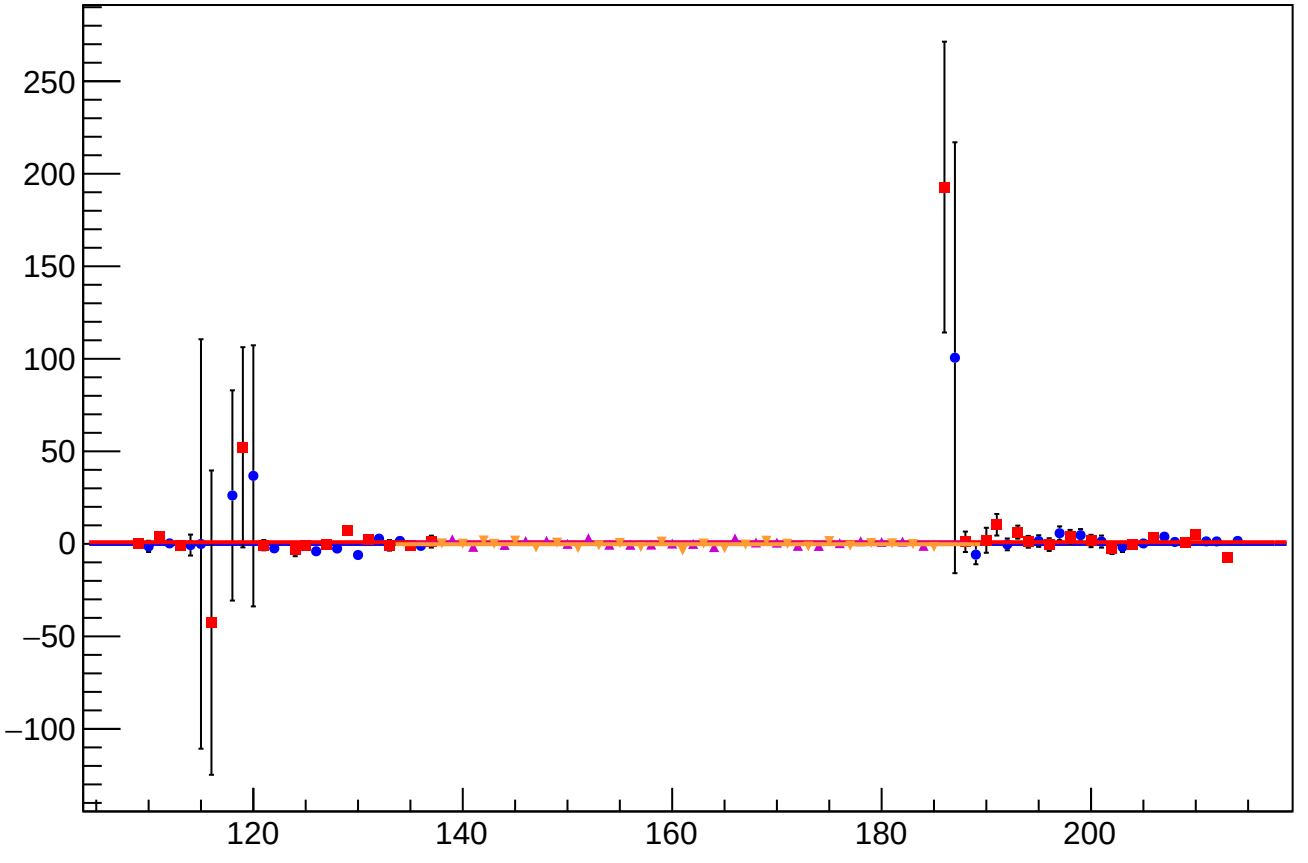
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3368.434+/-0.404 χ^2/NDF: 5057878.9/54

All: 3357.975+/-0.286 χ^2/NDF: 11087209.4/1

- sign 3347.454+/-0.405 χ^2/NDF: 6027987.3/56

diff_bpm1p02bX_mean vs Slug



Right In: -0.053+/-0.518 χ^2/NDF: 27.6/26

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.894+/-0.528 χ^2/NDF: 42.5/28

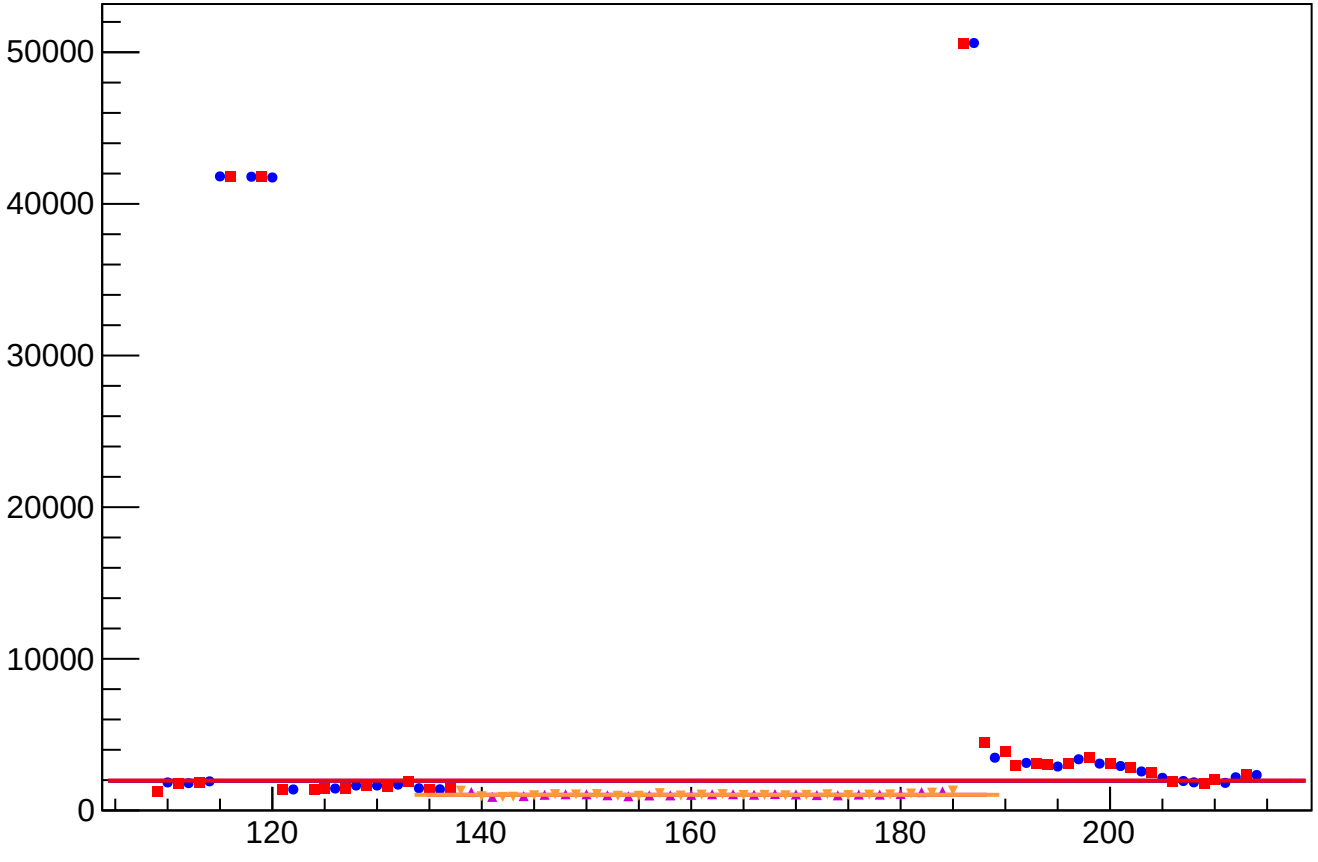
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.176+/-0.214 χ^2/NDF: 61.6/51

All: 0.120+/-0.154 χ^2/NDF: 138.3/103

- sign 0.431+/-0.220 χ^2/NDF: 72.8/51

diff_bpm1p02bX_rms vs Slug



Right In: 1955.996+/-0.366 χ^2/NDF: 4467486.4/26

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1967.431+/-0.373 χ^2/NDF: 5423074.3/28

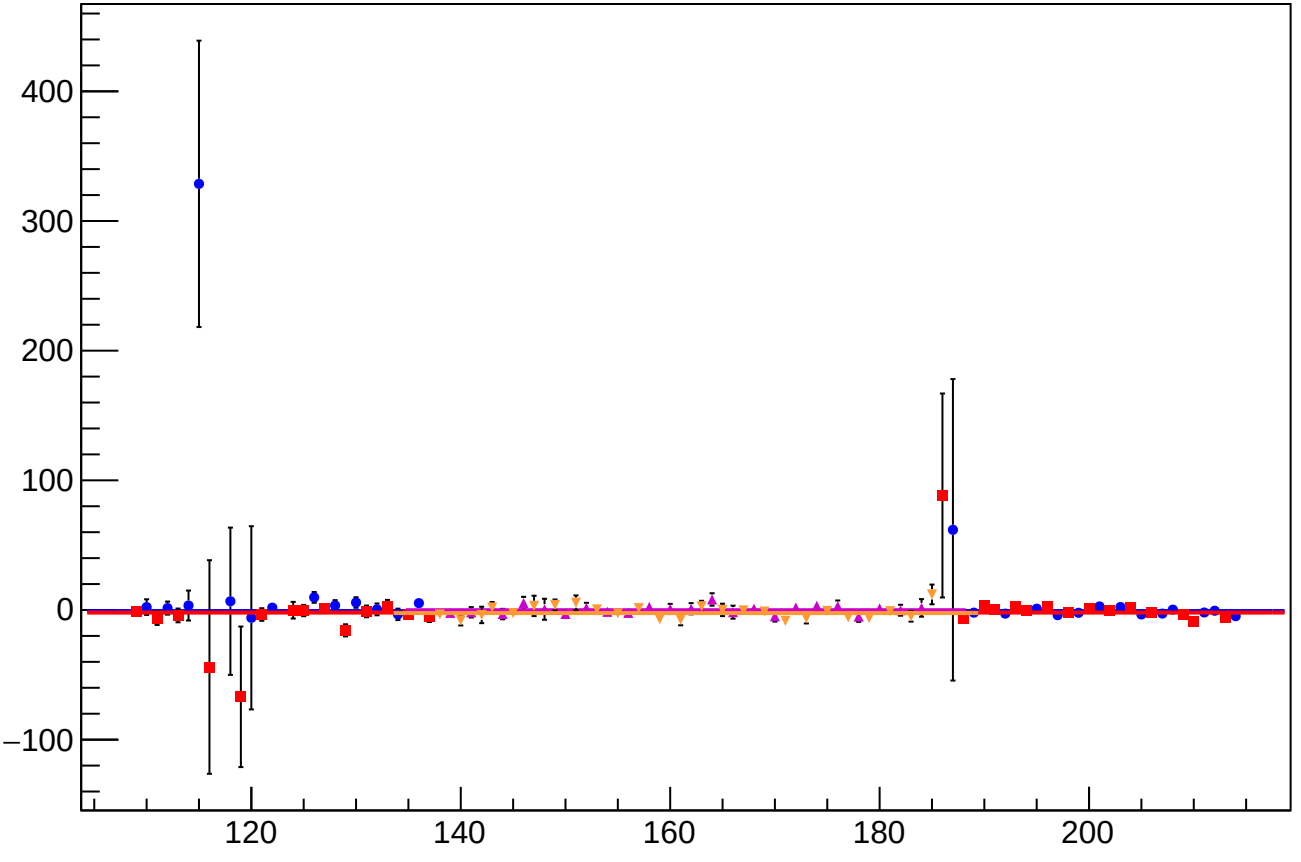
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1189.930+/-0.152 χ^2/NDF: 9994497.3/51

All: 1192.429+/-0.109 χ^2/NDF: 20780806.6/1

- sign 1195.064+/-0.156 χ^2/NDF: 10785751.0/51

diff_bpm1p02bY_mean vs Slug



Right In: -0.826+/-0.444 χ^2/NDF: 52.5/26

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -1.993+/-0.469 χ^2/NDF: 65.3/28

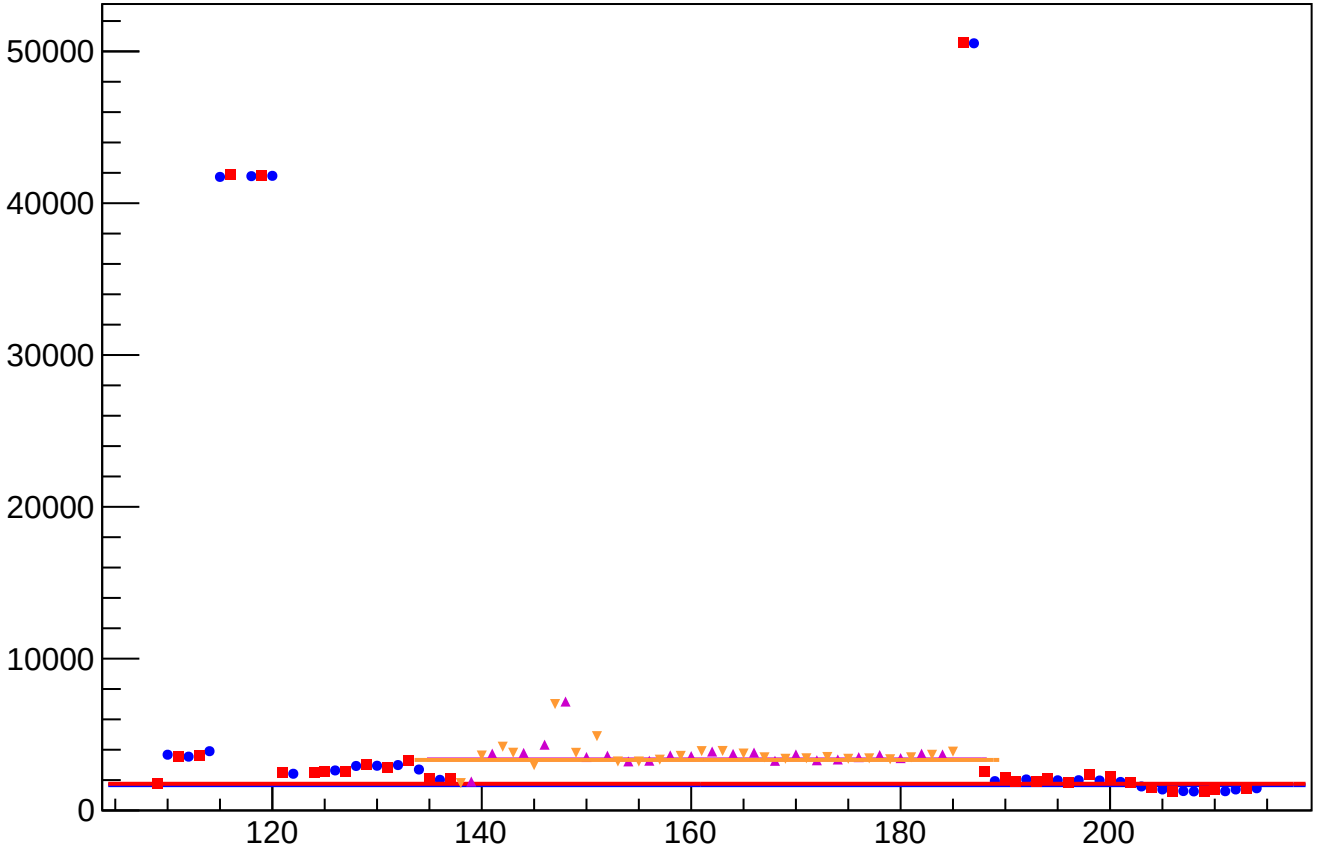
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.205+/-0.386 χ^2/NDF: 79.8/51

All: -1.362+/-0.280 χ^2/NDF: 161.8/103

- sign -1.535+/-0.406 χ^2/NDF: 81.7/51

diff_bpm1p02bY_rms vs Slug



Right In: 1667.107+/-0.314 χ^2/NDF: 4658765.3/26

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1757.100+/-0.332 χ^2/NDF: 4749258.2/28

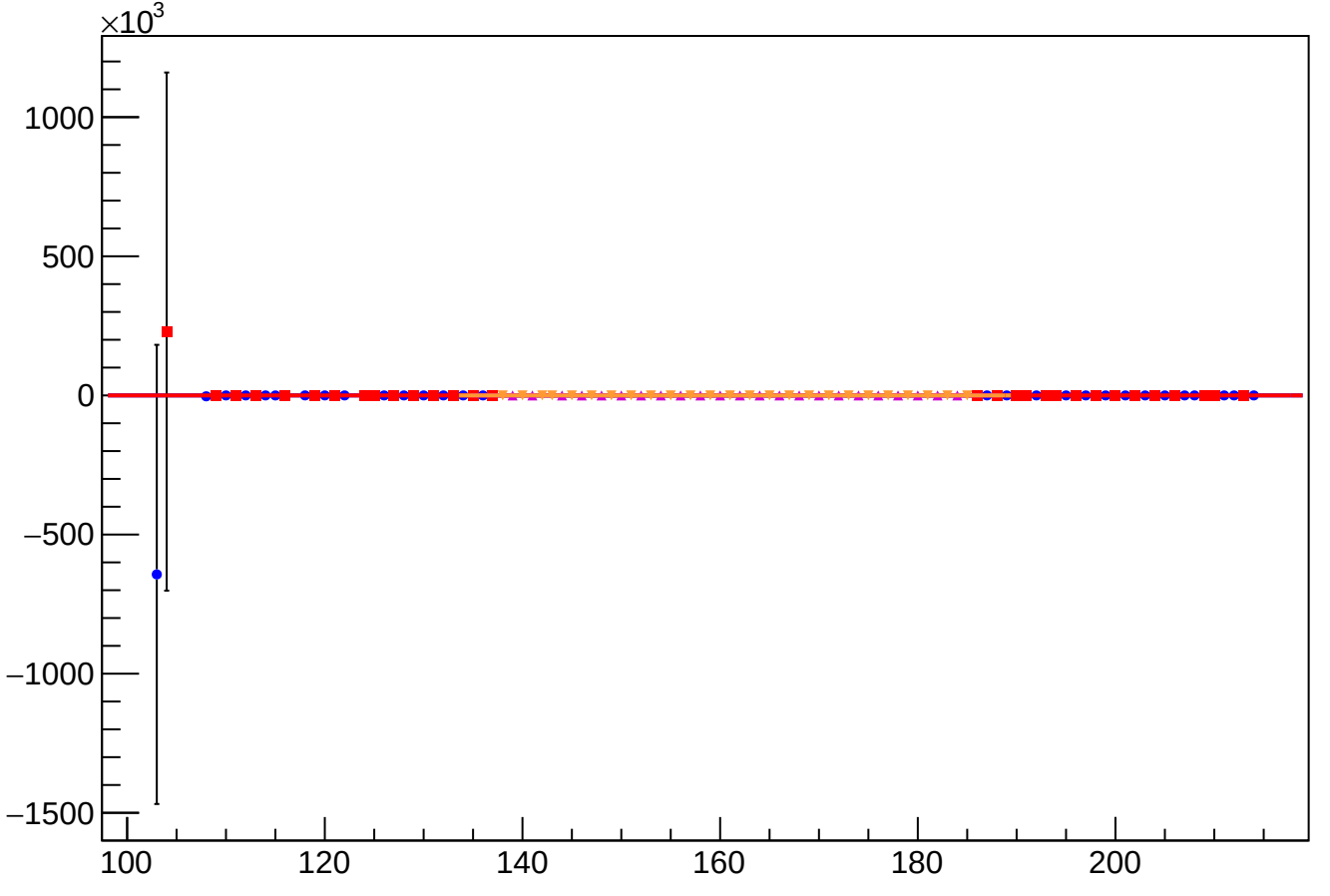
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2072.025+/-0.273 χ^2/NDF: 13397552.5/51

All: 2113.957+/-0.198 χ^2/NDF: 25720208.0/1

- sign 2160.305+/-0.287 χ^2/NDF: 12273000.2/51

diff_bpm1p03aX_mean vs Slug



Right In: -1.922+/-0.553 χ^2/NDF: 38.8/28

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -2.329+/-0.565 χ^2/NDF: 33.4/29

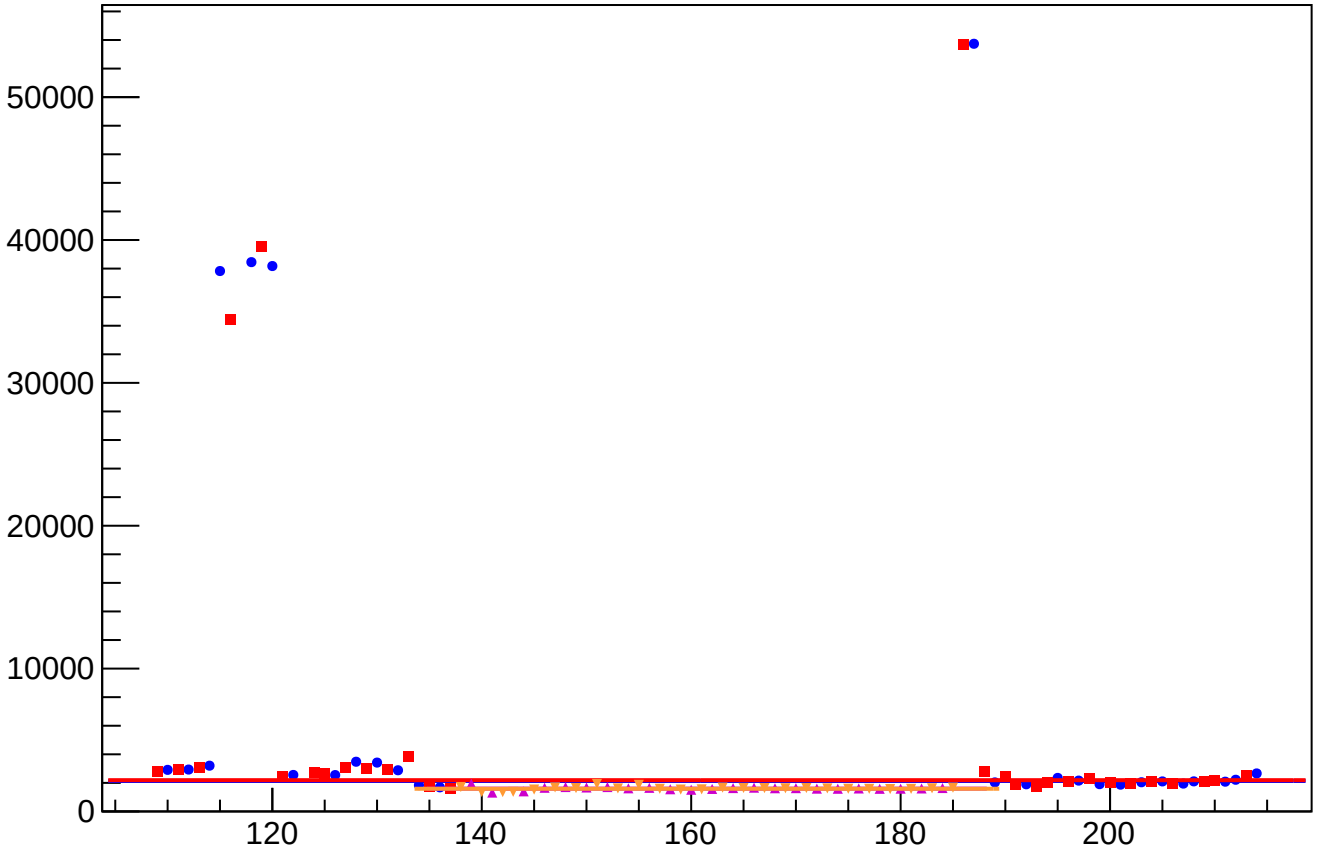
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.678+/-0.303 χ^2/NDF: 89.3/53

All: -1.202+/-0.218 χ^2/NDF: 167.1/106

- sign -0.699+/-0.312 χ^2/NDF: 72.7/52

diff_bpm1p03aX_rms vs Slug



Right In: 2133.971+/-0.391 χ^2/NDF: 3057488.3/26

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2189.201+/-0.400 χ^2/NDF: 3286365.0/28

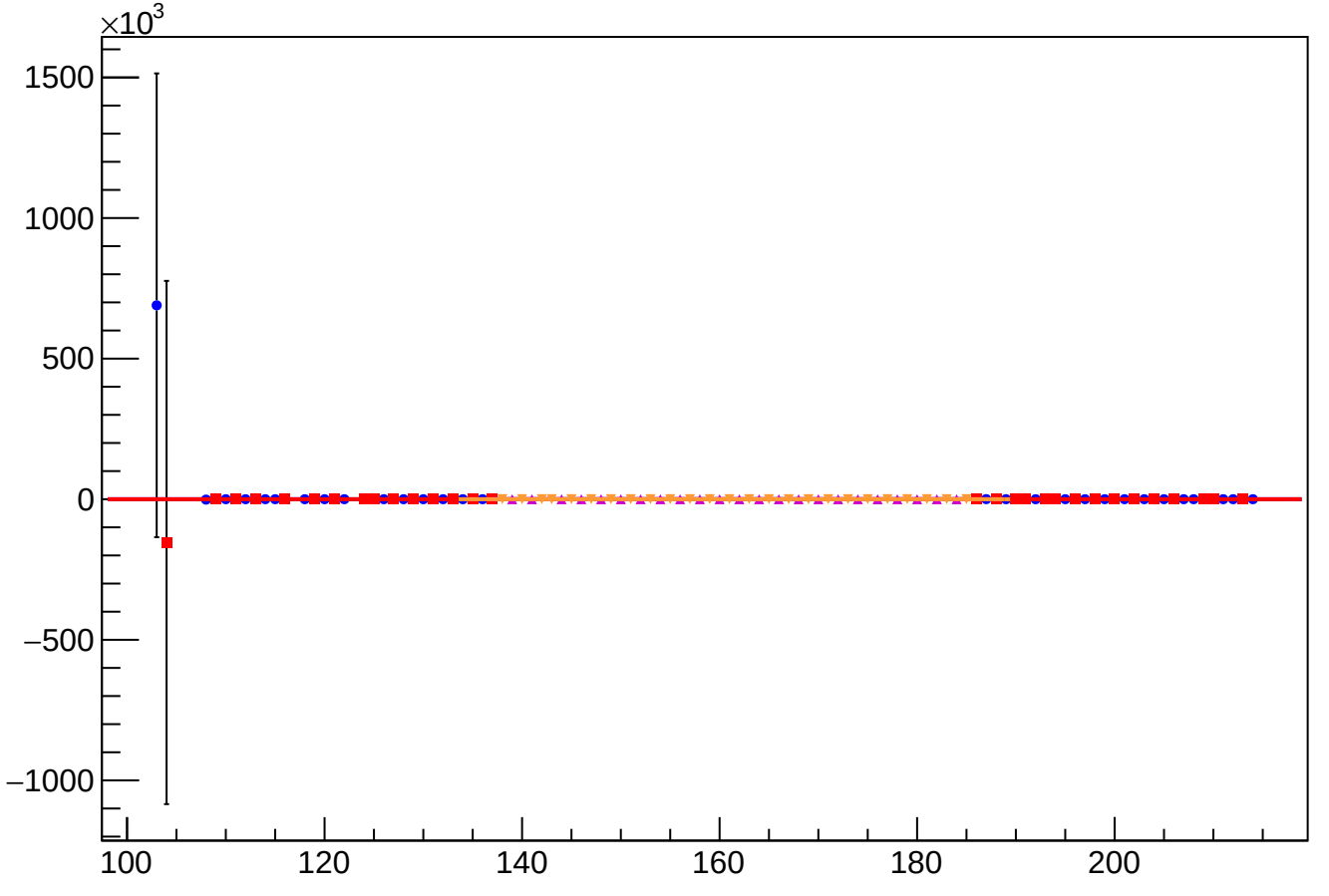
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1753.314+/-0.215 χ^2/NDF: 4644616.3/51

All: 1764.882+/-0.154 χ^2/NDF: 9664407.6/10

- sign 1777.124+/-0.221 χ^2/NDF: 5013808.4/51

diff_bpm1p03aY_mean vs Slug



Right In: -0.169+/-0.383 χ^2/NDF: 28.2/28

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.641+/-0.400 χ^2/NDF: 36.1/29

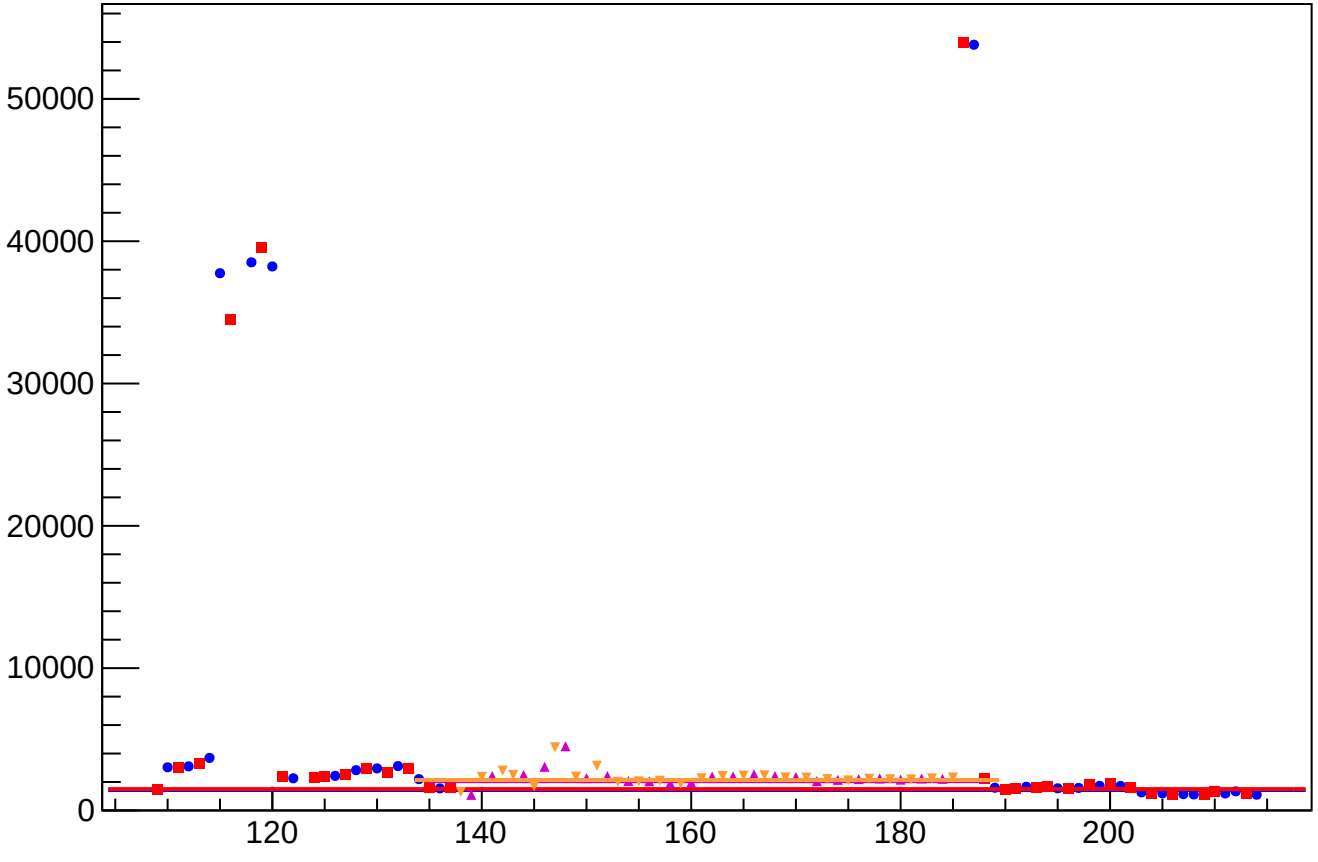
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.540+/-0.304 χ^2/NDF: 55.1/53

All: -0.444+/-0.218 χ^2/NDF: 109.7/106

- sign -0.343+/-0.313 χ^2/NDF: 54.4/52

diff_bpm1p03aY_rms vs Slug



Right In: 1436.305+/-0.271 χ^2/NDF: 4690369.0/26

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

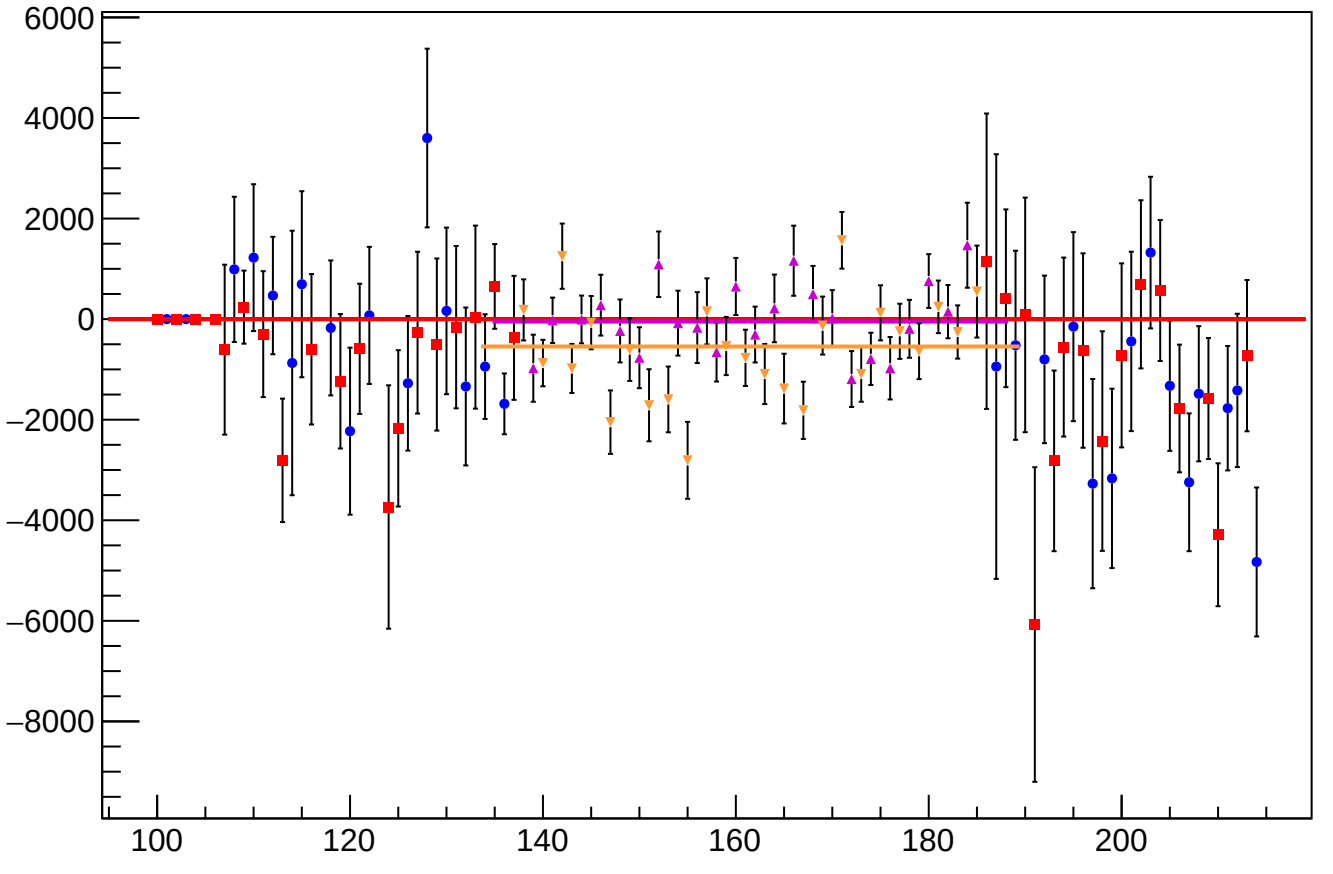
Right Out: 1500.088+/-0.283 χ^2/NDF: 4742616.6/28

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1694.426+/-0.215 χ^2/NDF: 8647332.9/51

All: 1705.674+/-0.154 χ^2/NDF: 17202670.3/1

- sign 1717.552+/-0.221 χ^2/NDF: 8549725.6/51



Right In: 0.254+/-0.356 χ^2/NDF: 46.0/29

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 36.8/33

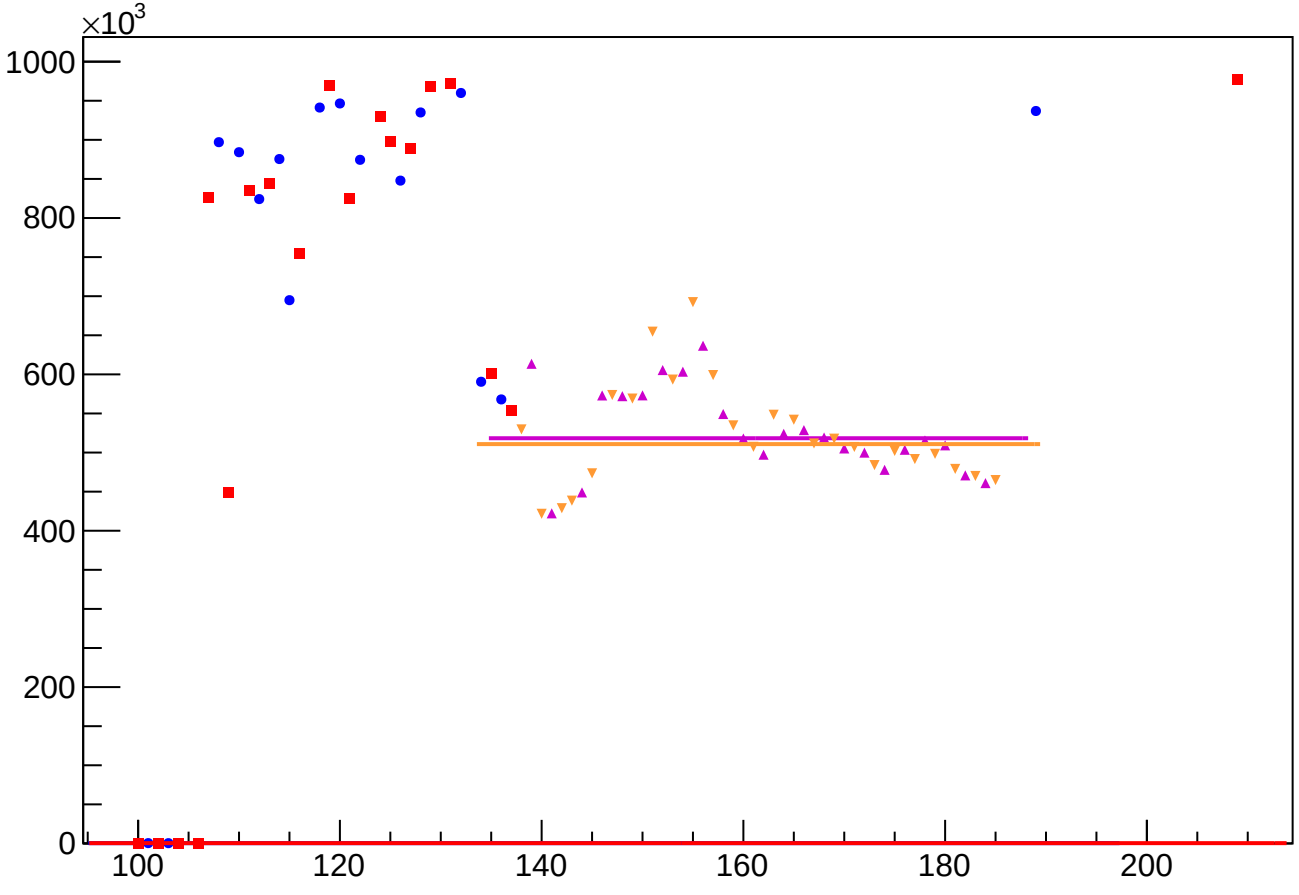
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.249+/-0.356 χ^2/NDF: 128.5/54

All: 0.166+/-0.241 χ^2/NDF: 193.5/111

- sign 0.095+/-0.328 χ^2/NDF: 64.9/56

diff_cav4bX_rms vs Slug



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

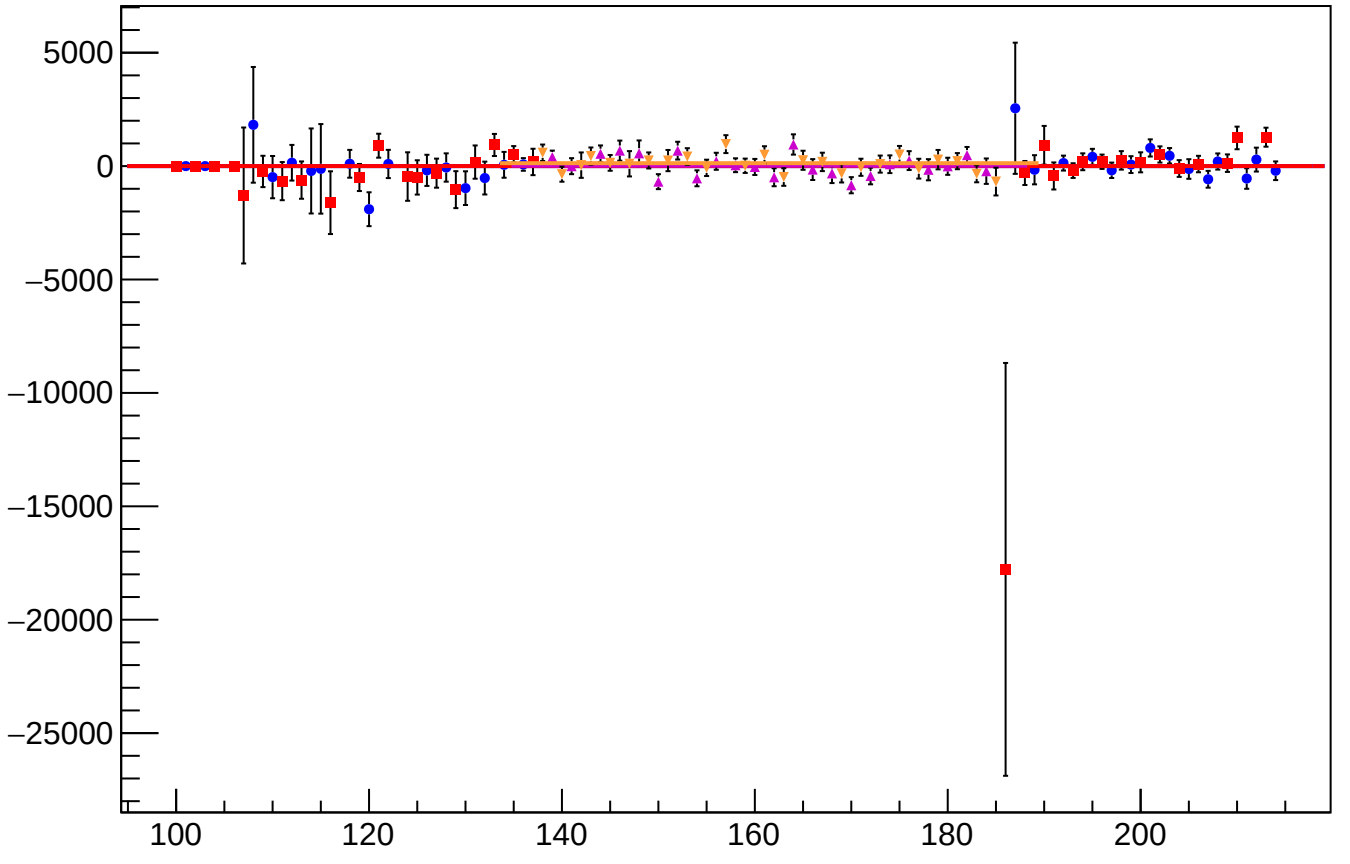
Right Out: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41



Right In: -0.020+/-0.347 χ^2/NDF: 24.3/29

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.601+/-0.324 χ^2/NDF: 40.1/33

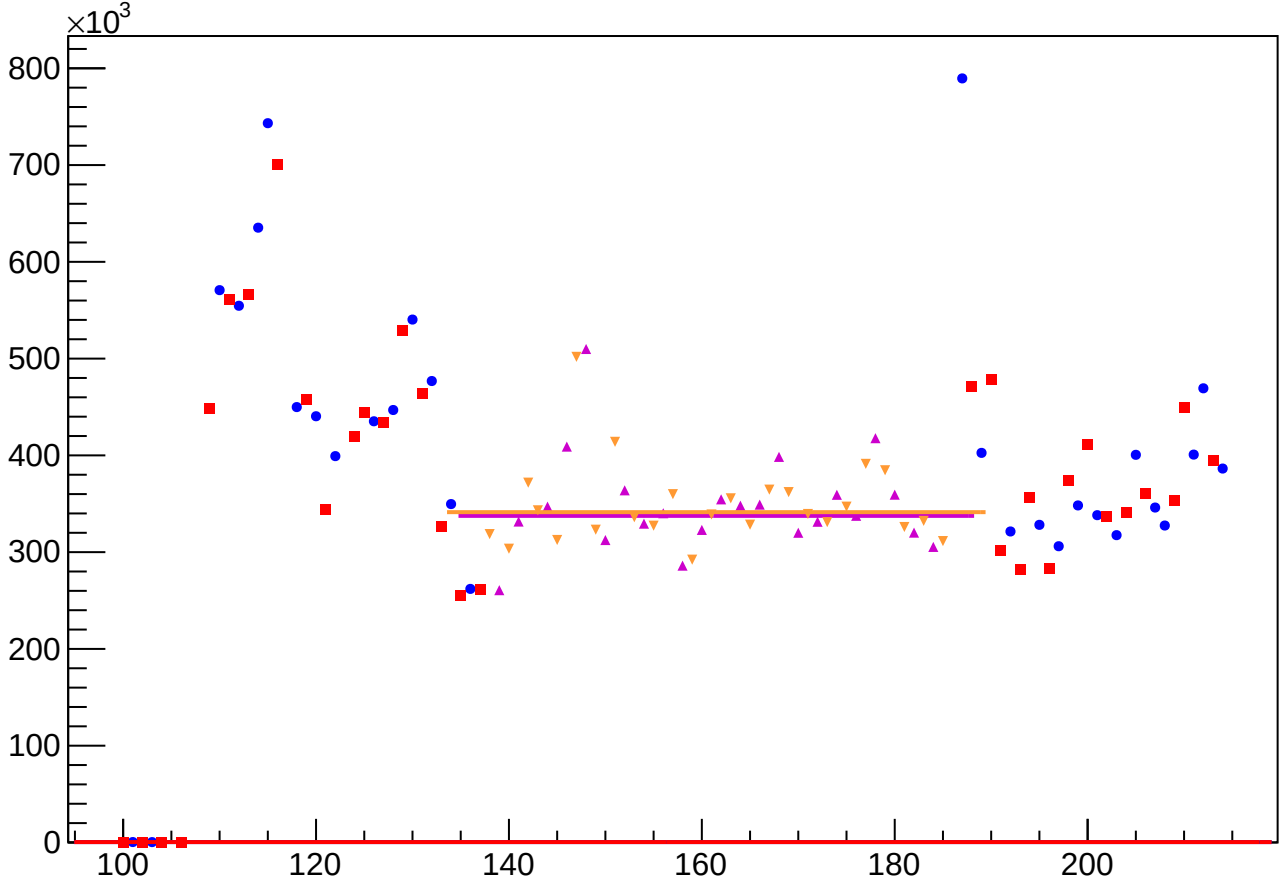
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.017+/-0.347 χ^2/NDF: 47.1/54

All: 0.313+/-0.237 χ^2/NDF: 122.7/111

- sign 0.601+/-0.324 χ^2/NDF: 73.9/56

diff_cav4bY_rms vs Slug



Right In: 393.886+/-0.245 χ^2/NDF: 32297037.6/28

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.119+/-0.229 χ^2/NDF: 32630603.8/31

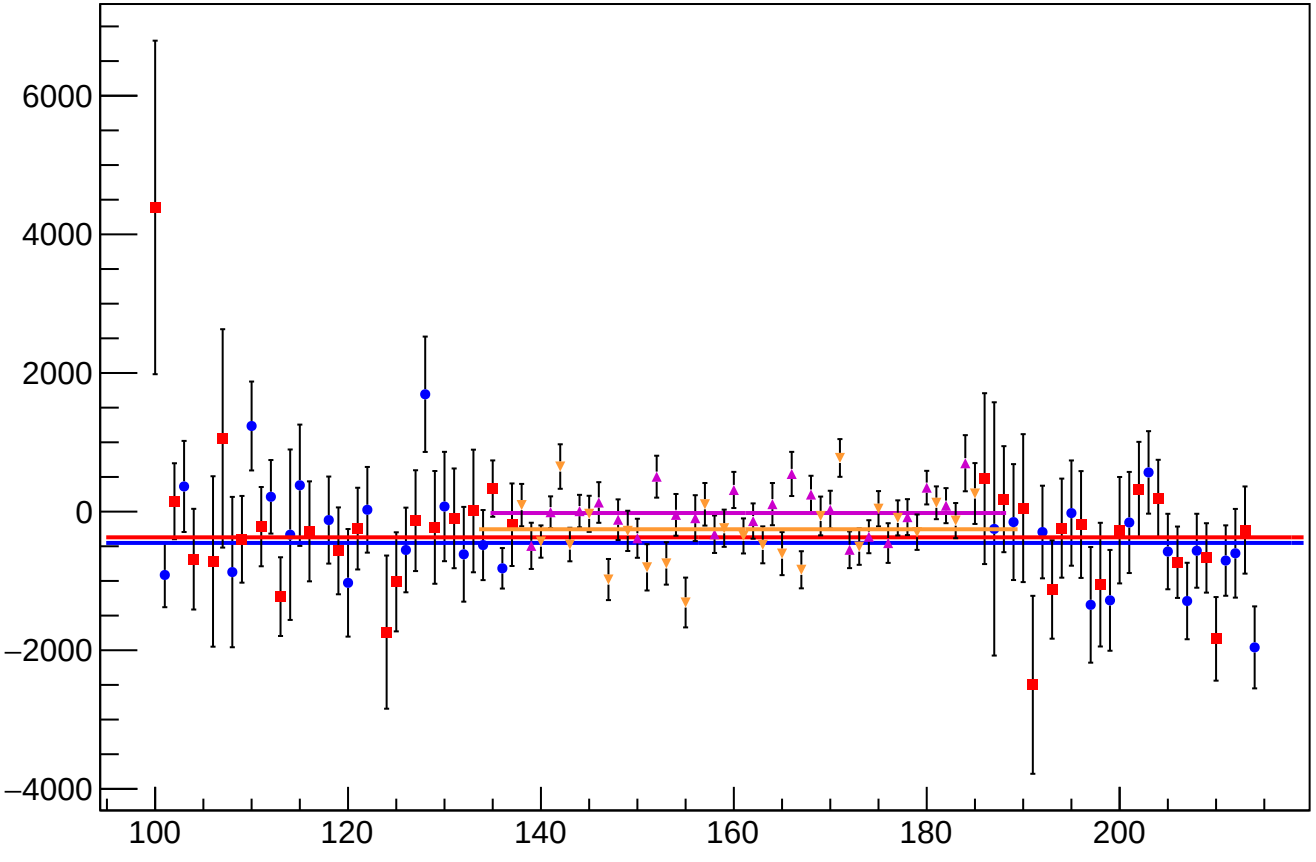
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 400.595+/-0.245 χ^2/NDF: 70667144.0/53

All: 398.498+/-0.167 χ^2/NDF: 139616414.1/1

- sign 396.673+/-0.229 χ^2/NDF: 68949133.6/54

diff_cav4cX_mean vs Slug



Right In: -451.609+/-112.416 χ^2/NDF: 37.5/29

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

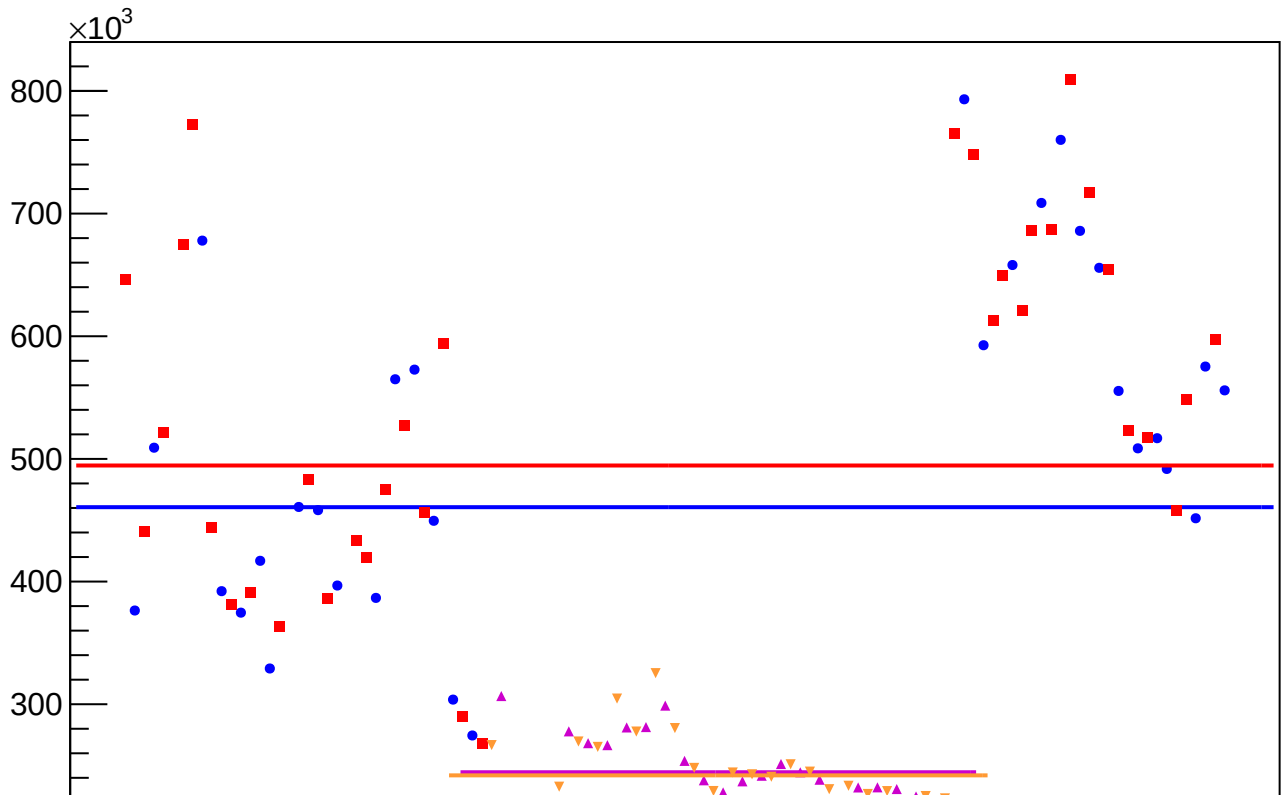
Right Out: -370.791+/-118.268 χ^2/NDF: 28.7/33

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -292.932+/-49.706 χ^2/NDF: 101.3/54

All: -194.100+/-35.832 χ^2/NDF: 173.9/111

- sign -87.177+/-51.700 χ^2/NDF: 64.4/56



Right In: 460646.733+/-79.503 χ^2/NDF: 2712182.1/29

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 494623.276+/-83.714 χ^2/NDF: 2582623.7/33

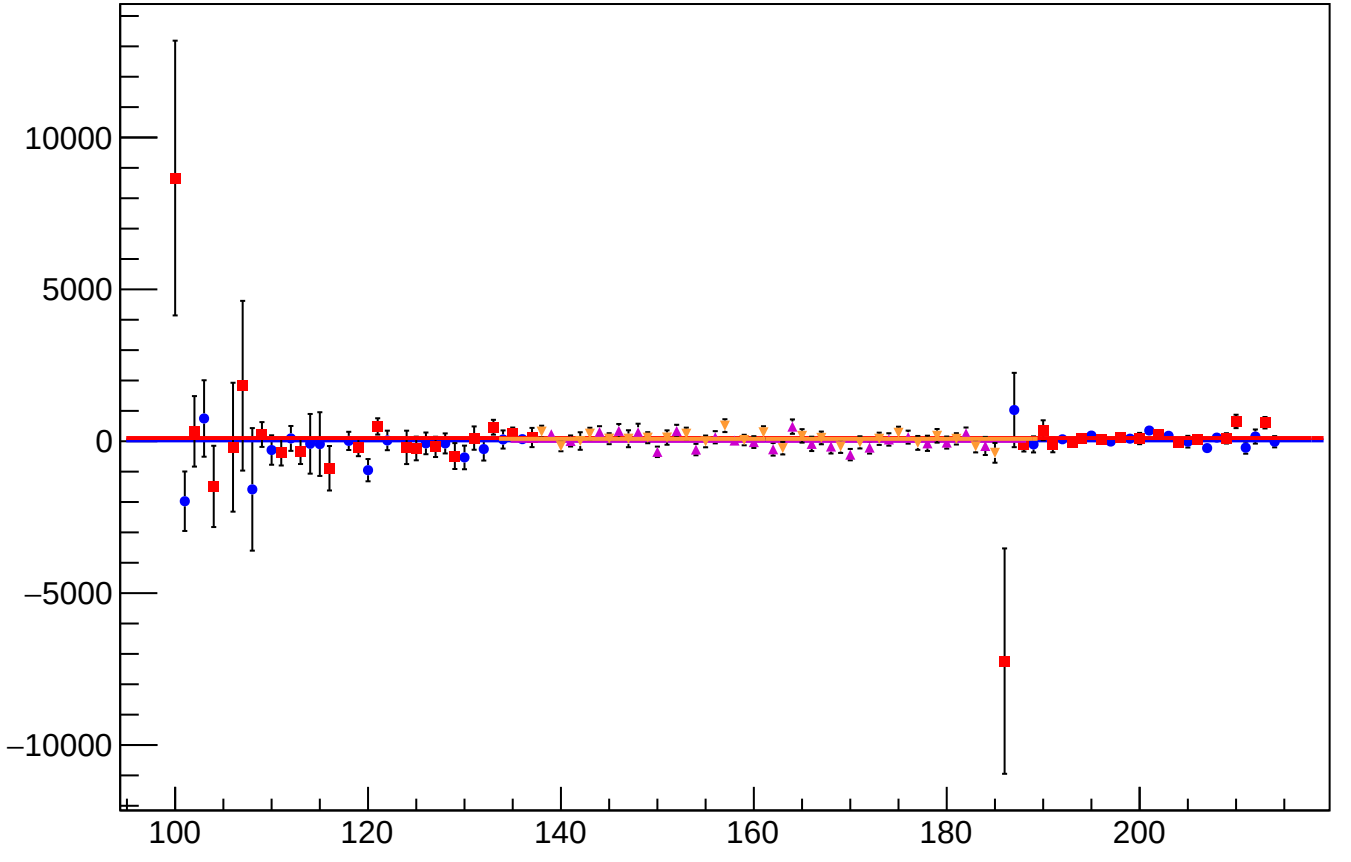
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 284742.653+/-35.149 χ^2/NDF: 9210055.3/54

All: 288349.756+/-25.340 χ^2/NDF: 1939775

- sign 292253.417+/-36.565 χ^2/NDF: 10165769.0/5

diff_cav4cY_mean vs Slug



Right In: 28.999+/-40.449 χ^2/NDF: 27.9/29

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 106.124+/-40.347 χ^2/NDF: 41.9/33

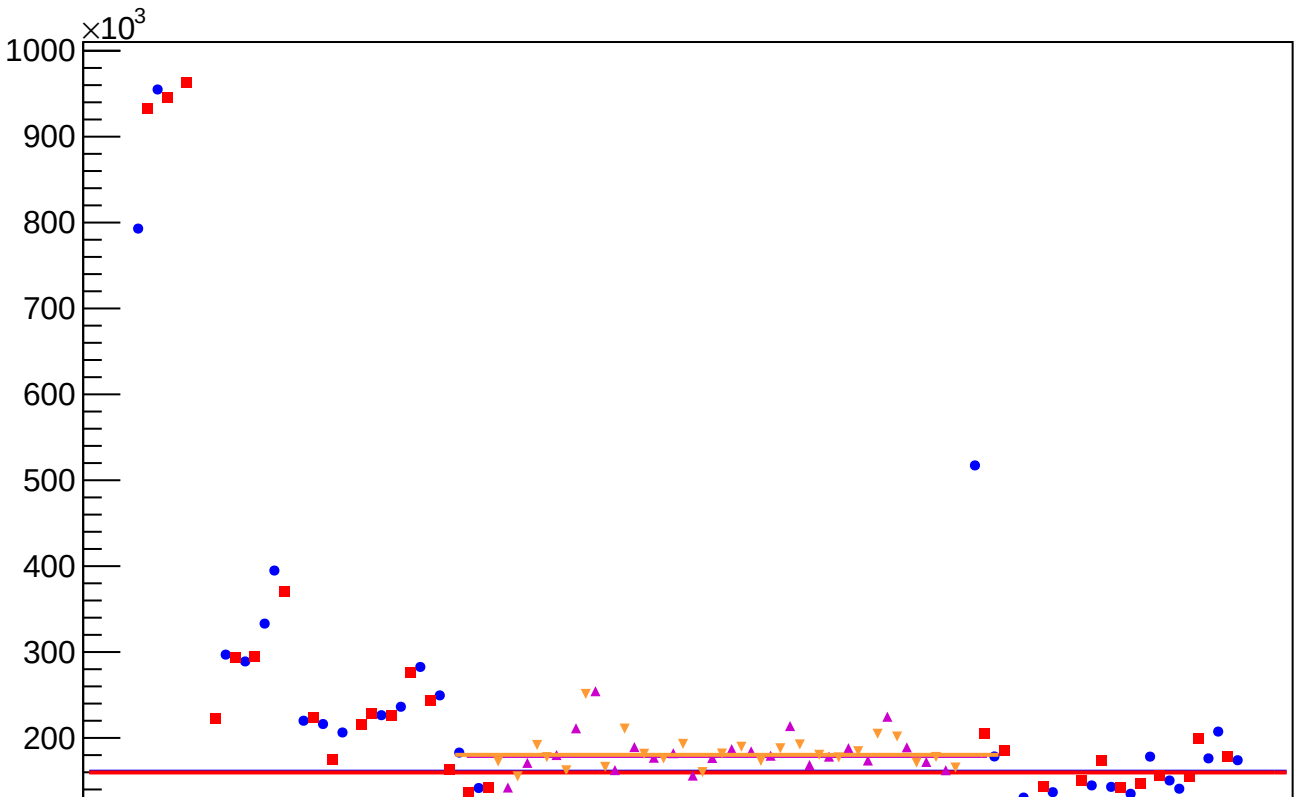
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

\+ sign 53.721+/-28.898 χ^2/NDF: 48.4/54

All: 57.910+/-20.531 χ^2/NDF: 126.0/111

\- sign 62.180+/-29.174 χ^2/NDF: 77.5/56

diff_cav4cY_rms vs Slug



Right In: 160707.723+/-28.612 χ^2/NDF: 3369736.4/28

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159793.592+/-28.546 χ^2/NDF: 3359986.7/30

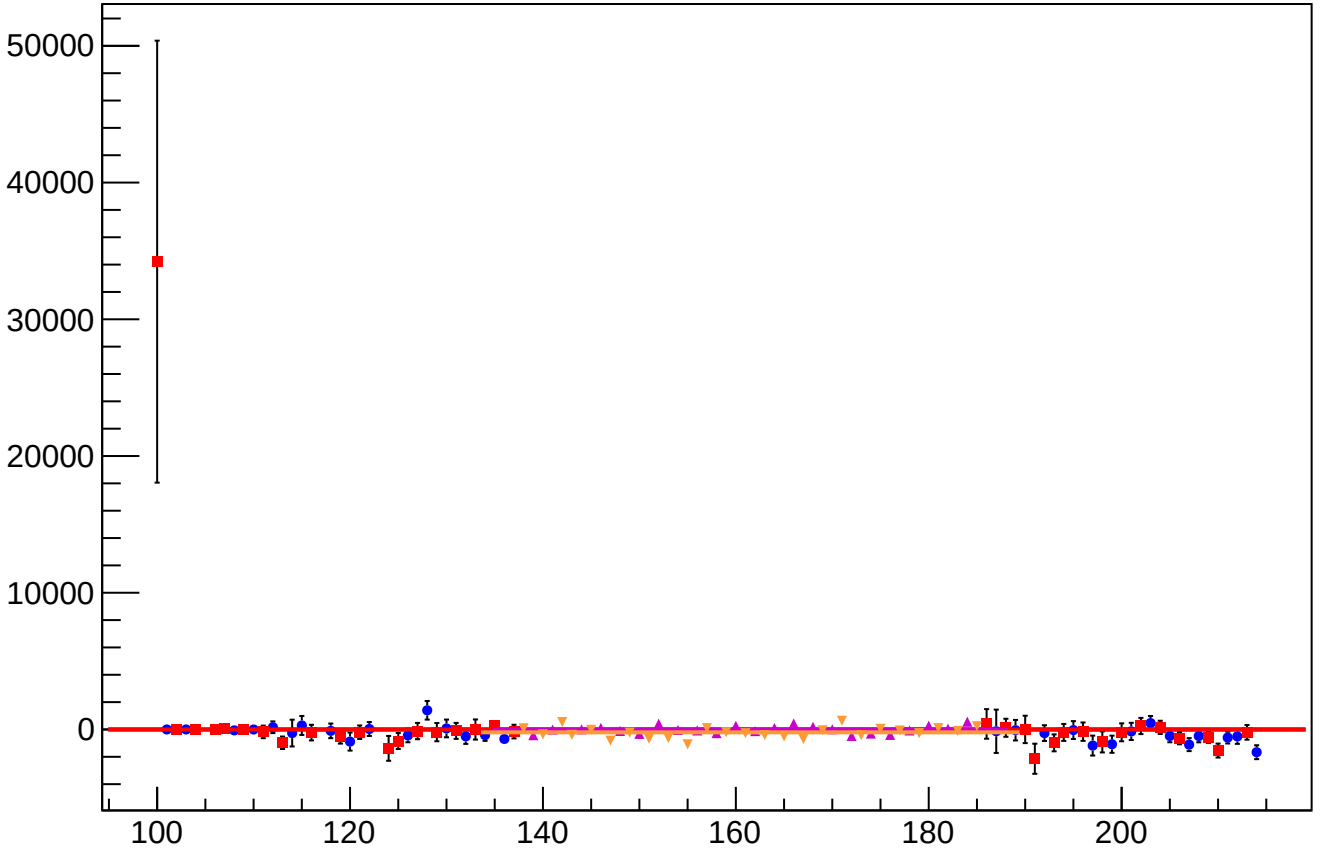
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 170324.353+/-20.438 χ^2/NDF: 3946983.3/53

All: 169656.383+/-14.521 χ^2/NDF: 8027211.

- sign 168975.456+/-20.635 χ^2/NDF: 4078070.8/53

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 45.9/29

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: -0.356+/-0.160 χ^2/NDF: 38.0/33

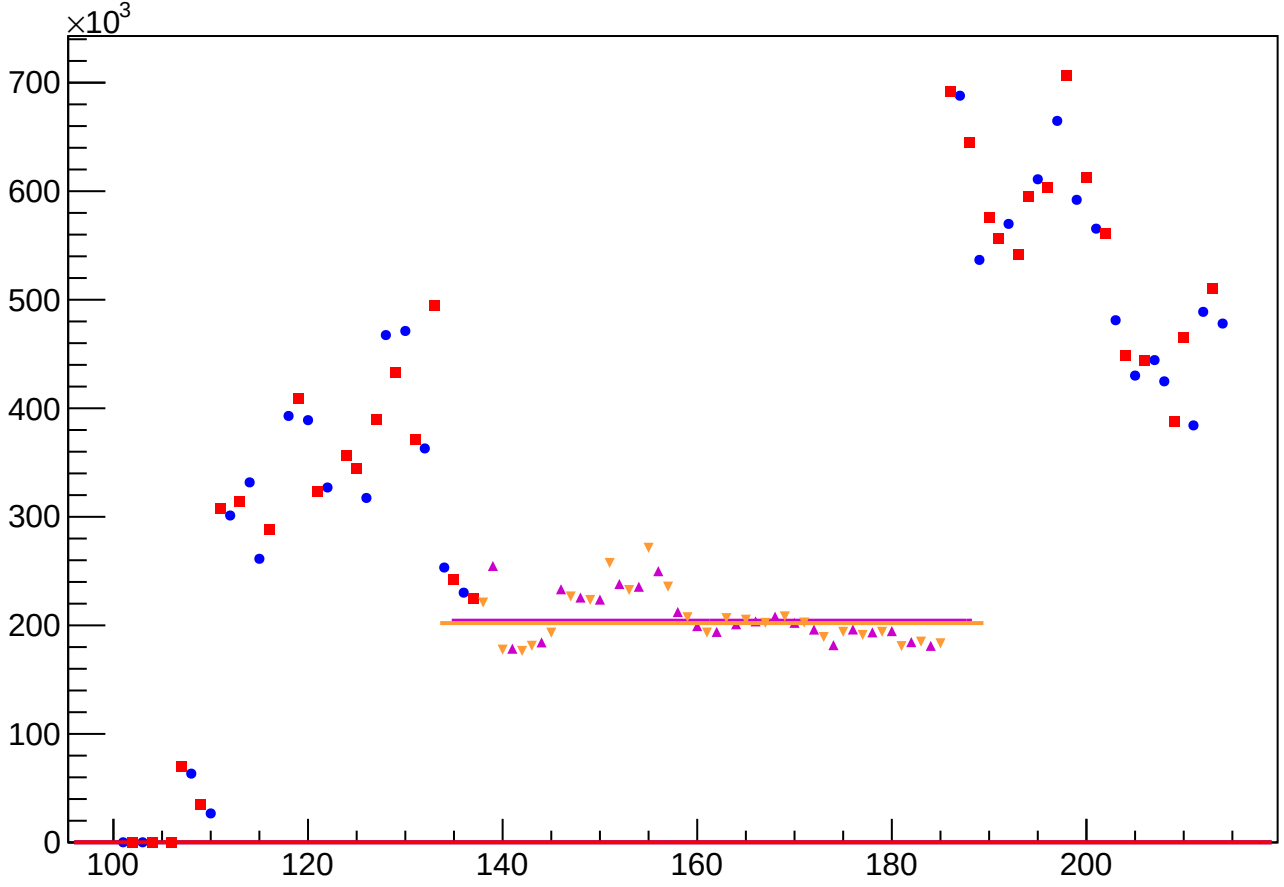
Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 127.7/54

All: -0.209+/-0.117 χ^2/NDF: 196.3/111

- sign -0.356+/-0.160 χ^2/NDF: 66.8/56

diff_cav4dX_rms vs Slug



Right In: 149.742+/-0.122 χ^2/NDF: 33340723.6/29

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.930+/-0.113 χ^2/NDF: 34250231.9/32

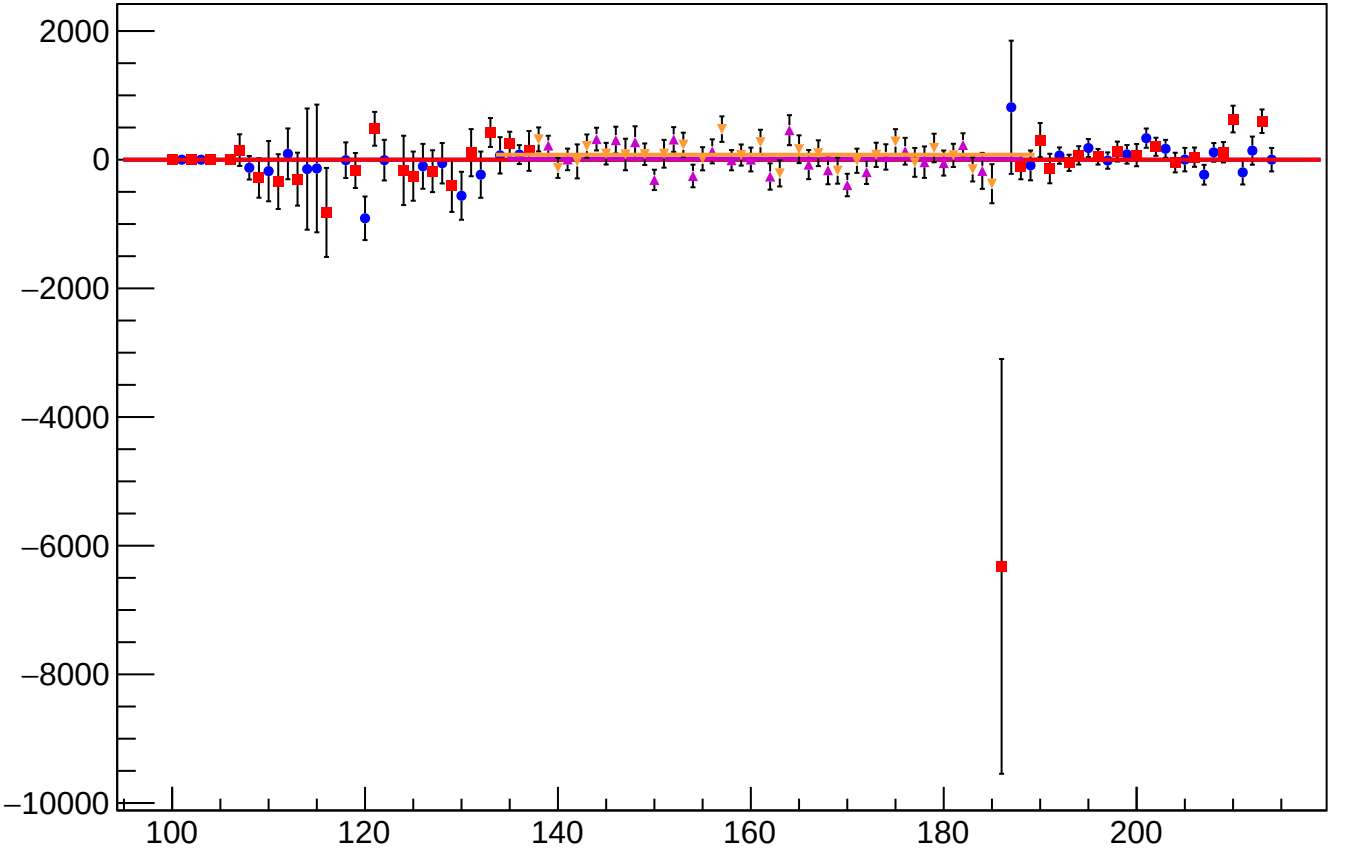
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.539+/-0.122 χ^2/NDF: 71836352.2/54

All: 152.356+/-0.083 χ^2/NDF: 142589174.8/1

- sign 152.199+/-0.113 χ^2/NDF: 70752818.4/55

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 25.2/29

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.128+/-0.166 χ^2/NDF: 45.1/33

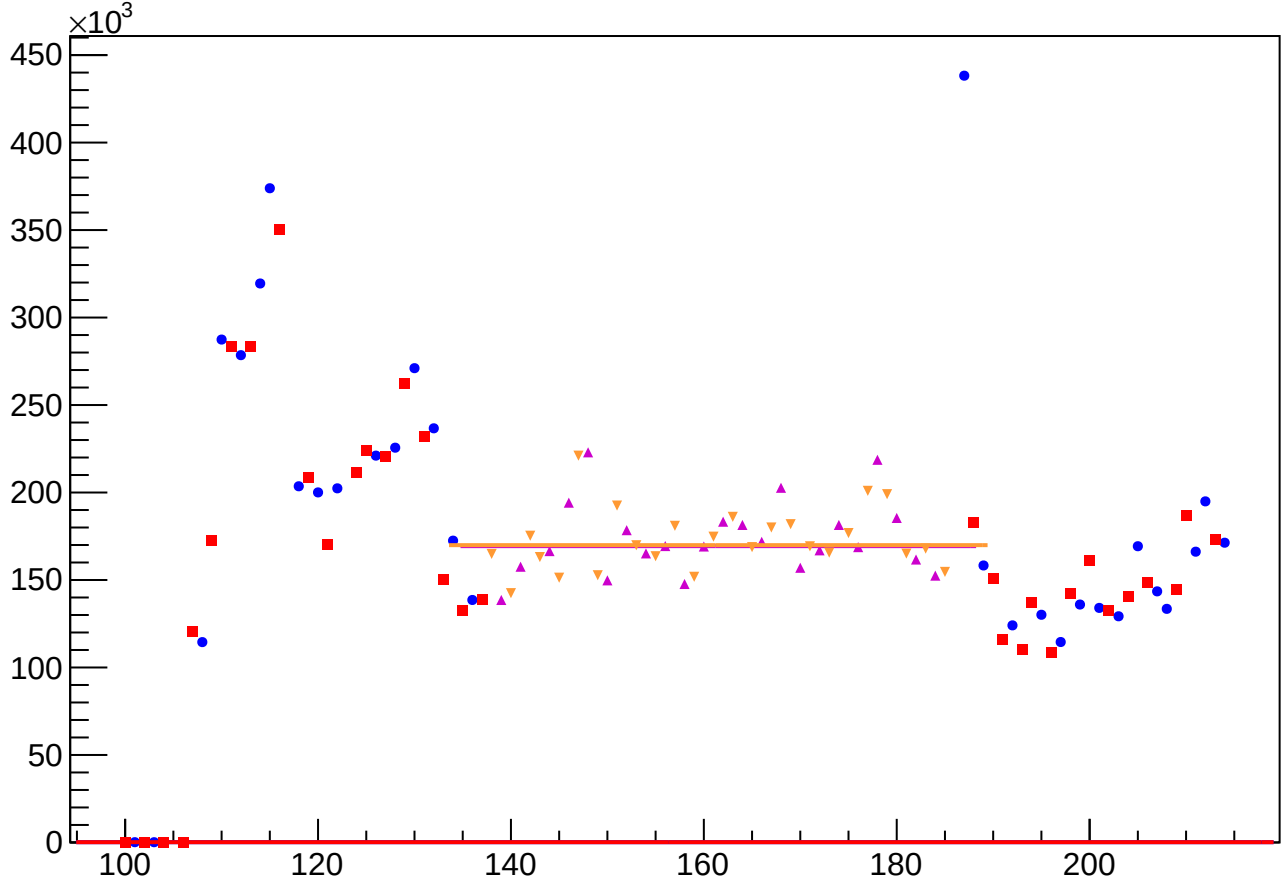
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

\+ sign -0.065+/-0.177 χ^2/NDF: 48.2/54

All: 0.037+/-0.121 χ^2/NDF: 126.8/111

\- sign 0.128+/-0.166 χ^2/NDF: 77.9/56

diff_cav4dY_rms vs Slug



Right In: 155.823+/-0.125 χ^2/NDF: 33569807.2/29

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.265+/-0.118 χ^2/NDF: 33119016.8/32

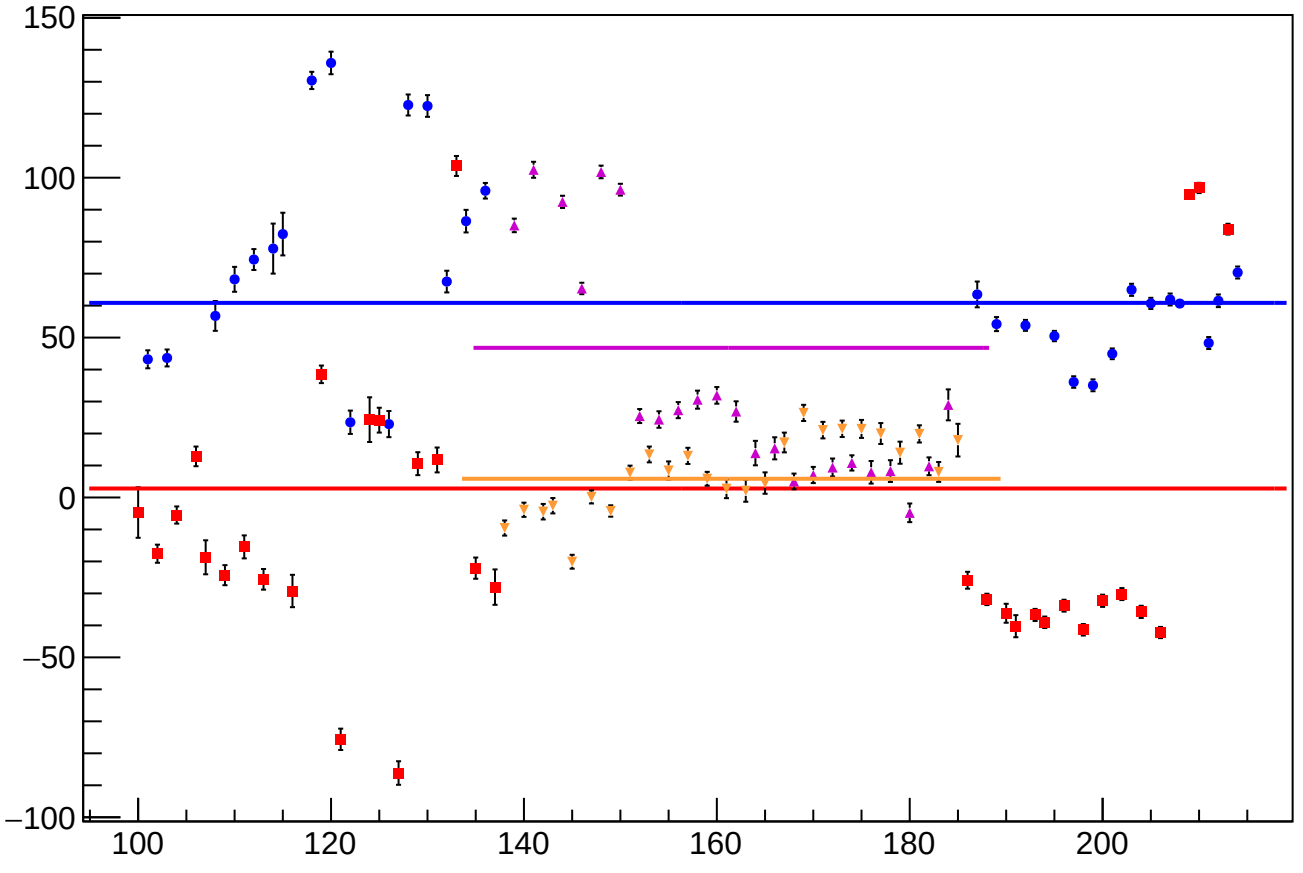
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 159.343+/-0.125 χ^2/NDF: 71980876.8/54

All: 160.333+/-0.086 χ^2/NDF: 141484130.6/1

- sign 161.206+/-0.118 χ^2/NDF: 69503136.4/55

diff_bpm0i01X_mean vs Slug



Right In: 60.856+/-0.429 χ^2/NDF: 2986.1/29

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 2.809+/-0.412 χ^2/NDF: 18669.1/33

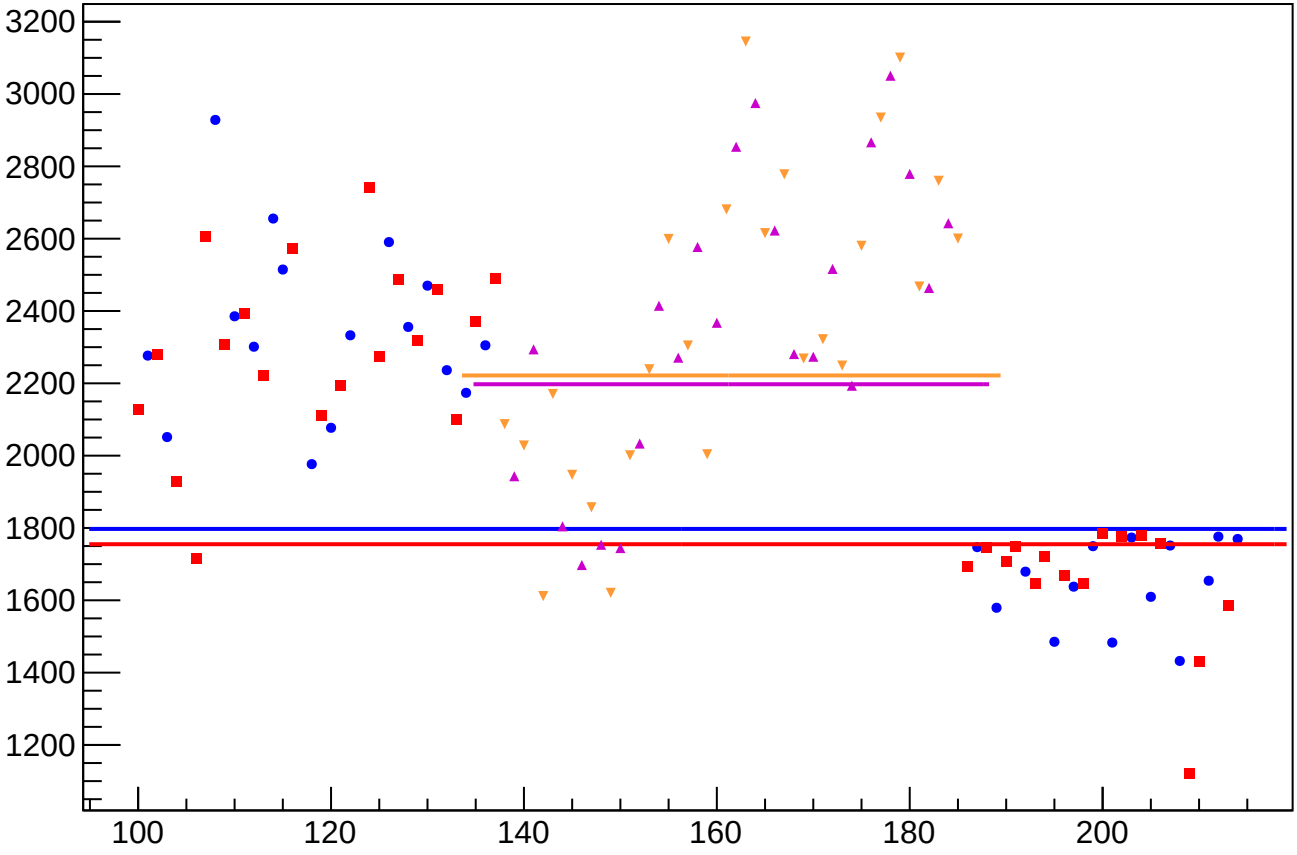
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 38.290+/-0.329 χ^2/NDF: 10275.3/54

All: 28.784+/-0.231 χ^2/NDF: 40111.8/111

- sign 19.584+/-0.324 χ^2/NDF: 28195.9/56

diff_bpm0i01X_rms vs Slug



Right In: 1797.367+/-0.303 χ^2/NDF: 1086673.1/29

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1755.085+/-0.291 χ^2/NDF: 1477326.2/33

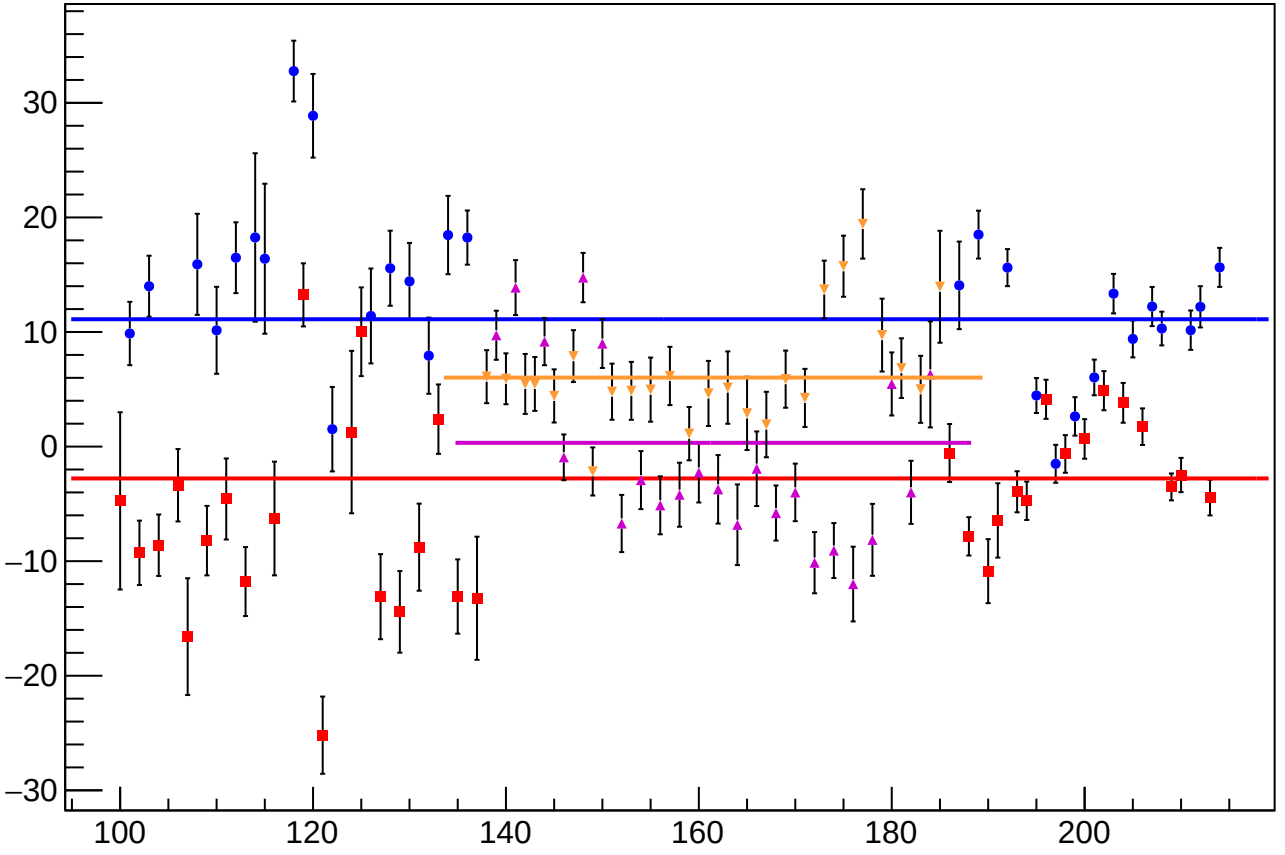
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1971.485+/-0.233 χ^2/NDF: 3074889.8/54

All: 1947.250+/-0.163 χ^2/NDF: 6558464.5/11

- sign 1923.793+/-0.229 χ^2/NDF: 3462246.6/56

diff_bpm0i01Y_mean vs Slug



Right In: 11.114+/-0.402 χ^2/NDF: 267.2/29

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.780+/-0.388 χ^2/NDF: 245.0/33

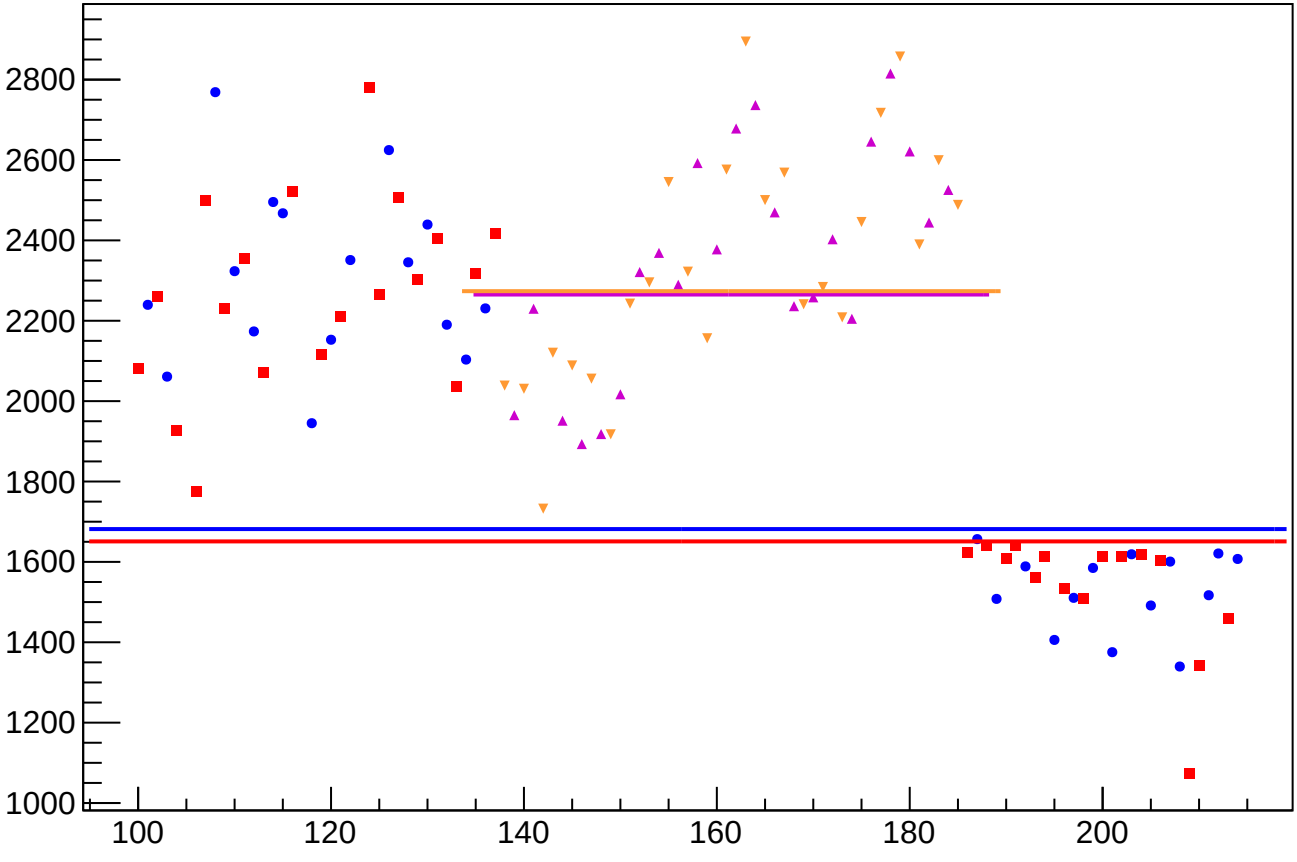
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.212+/-0.318 χ^2/NDF: 398.8/54

All: 3.680+/-0.224 χ^2/NDF: 1487.0/111

- sign -1.707+/-0.314 χ^2/NDF: 492.0/56

diff_bpm0i01Y_rms vs Slug



Right In: 1681.657+/-0.284 χ^2/NDF: 1355553.1/29

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1650.970+/-0.274 χ^2/NDF: 1692338.1/33

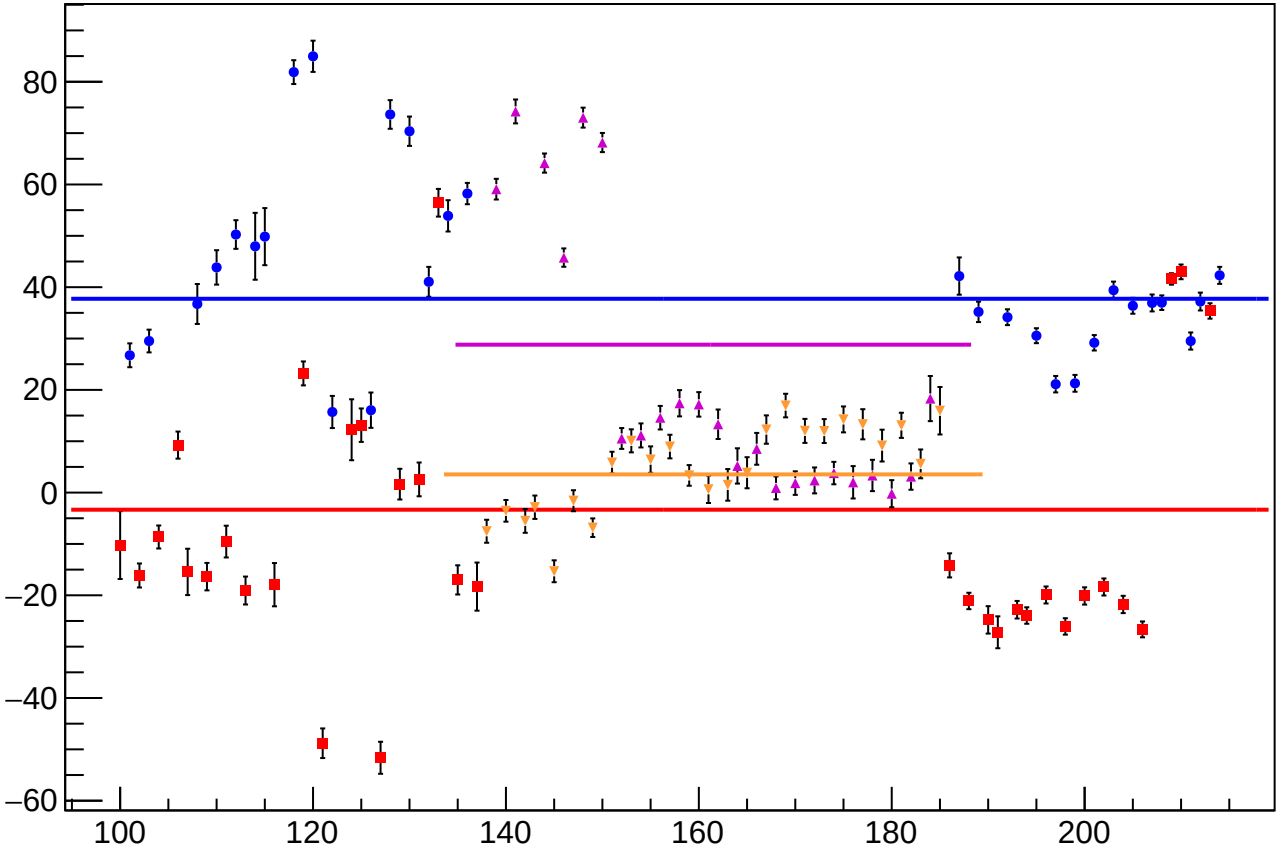
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1902.767+/-0.225 χ^2/NDF: 3510953.2/54

All: 1882.650+/-0.158 χ^2/NDF: 7443982.1/11

- sign 1863.059+/-0.222 χ^2/NDF: 3917260.9/56

diff_bpm0i01aX_mean vs Slug



Right In: 37.743+/-0.377 χ^2/NDF: 1489.5/29

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -3.332+/-0.363 χ^2/NDF: 6055.8/33

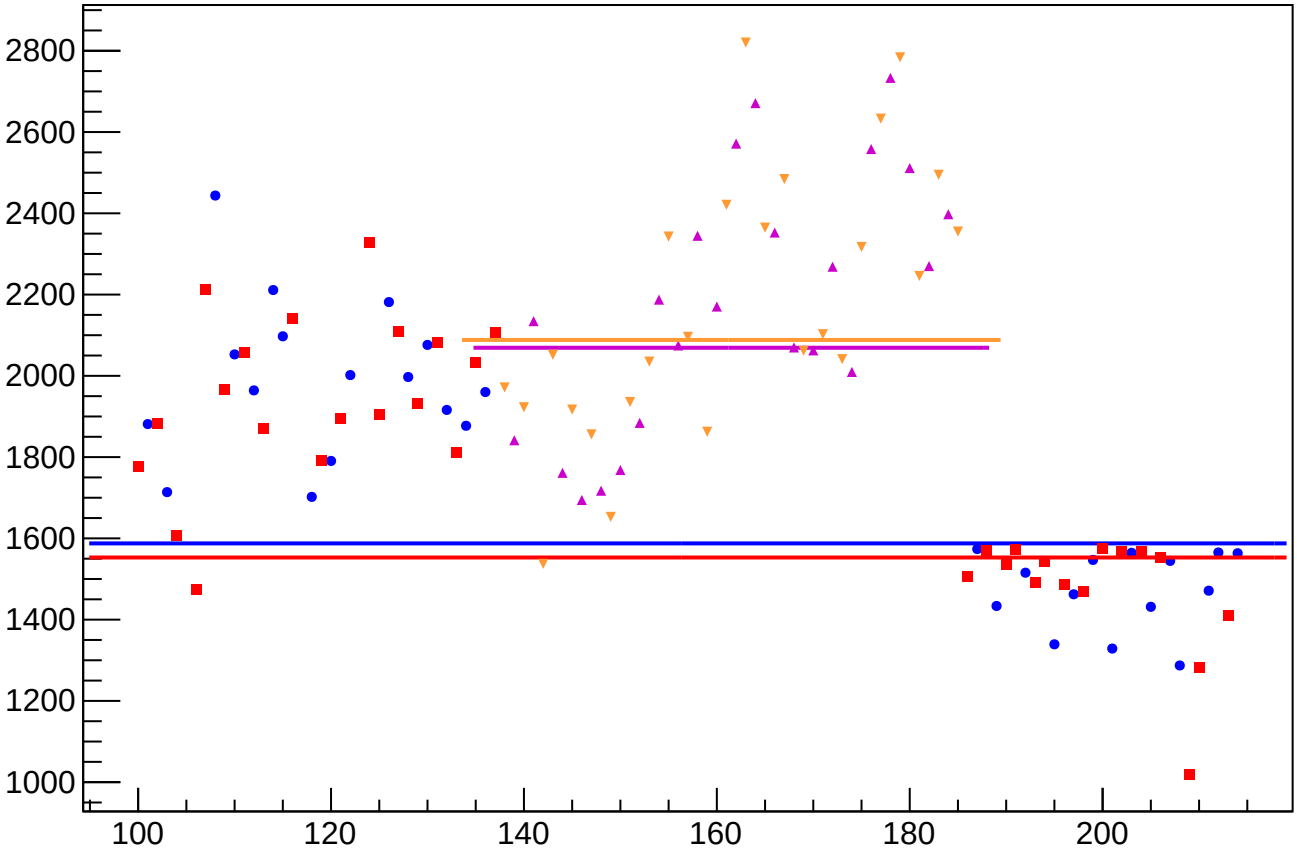
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 24.704+/-0.297 χ^2/NDF: 4946.6/54

All: 16.223+/-0.208 χ^2/NDF: 18646.7/111

- sign 8.017+/-0.292 χ^2/NDF: 12090.9/56

diff_bpm0i01aX_rms vs Slug



Right In: 1587.645+/-0.267 χ^2/NDF: 832644.0/29

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1552.950+/-0.256 χ^2/NDF: 1175985.0/33

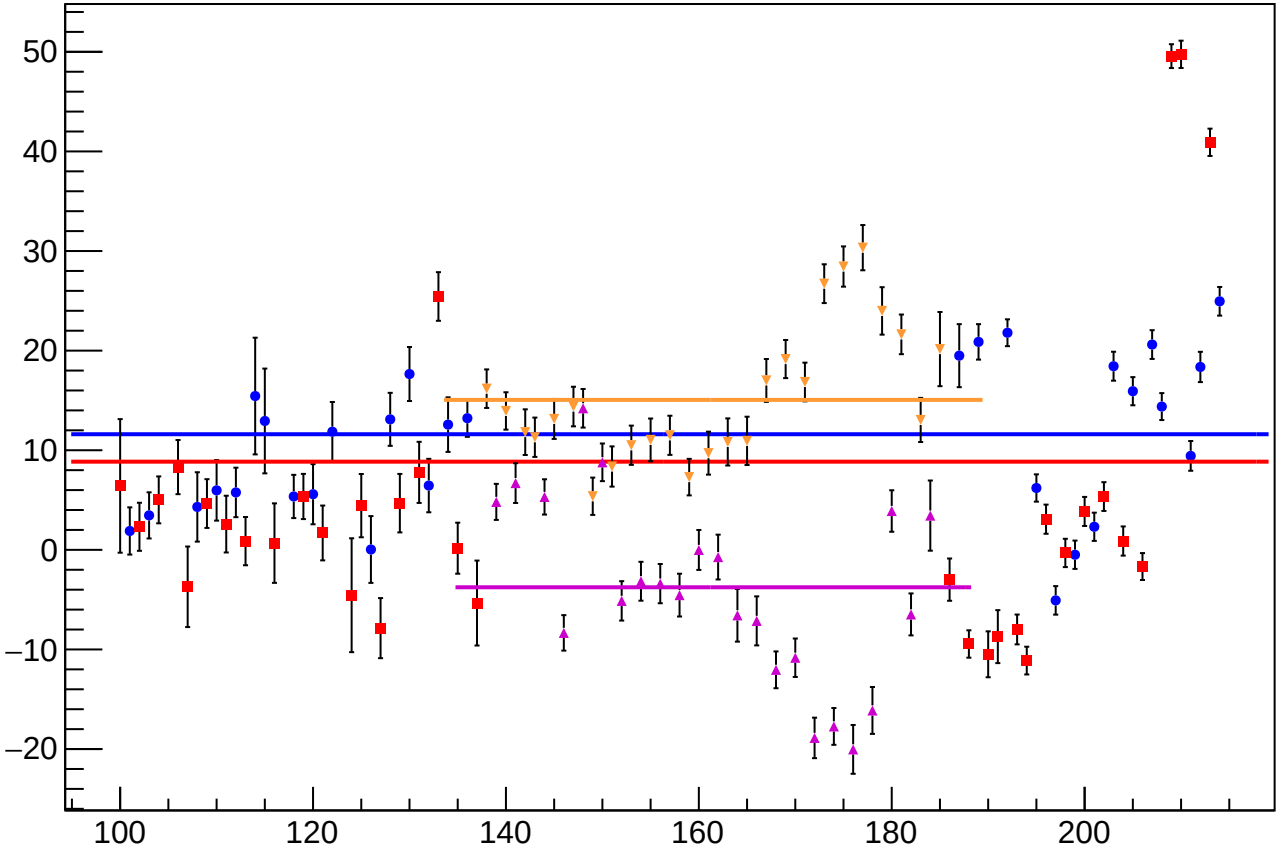
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1778.551+/-0.210 χ^2/NDF: 2965065.8/54

All: 1756.539+/-0.147 χ^2/NDF: 6304746.7/11

- sign 1735.241+/-0.206 χ^2/NDF: 3318000.2/56

diff_bpm0i01aY_mean vs Slug



Right In: 11.608+/-0.343 χ^2/NDF: 617.0/29

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 8.853+/-0.334 χ^2/NDF: 3575.9/33

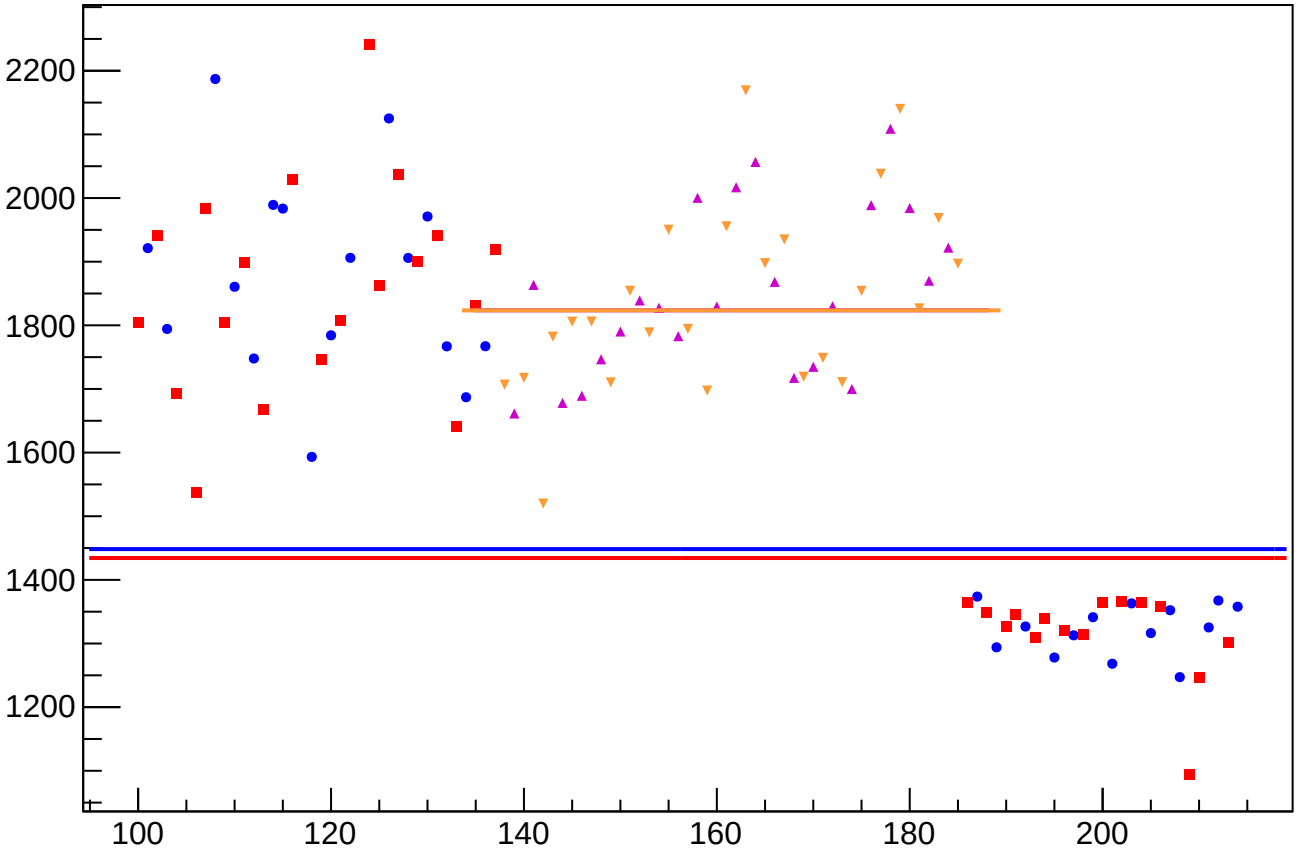
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.006+/-0.265 χ^2/NDF: 904.1/54

All: 8.518+/-0.187 χ^2/NDF: 6051.0/111

- sign 4.086+/-0.263 χ^2/NDF: 4575.4/56

diff_bpm0i01aY_rms vs Slug



Right In: 1448.368+/-0.243 χ^2/NDF: 944441.8/29

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1434.337+/-0.236 χ^2/NDF: 1048355.8/33

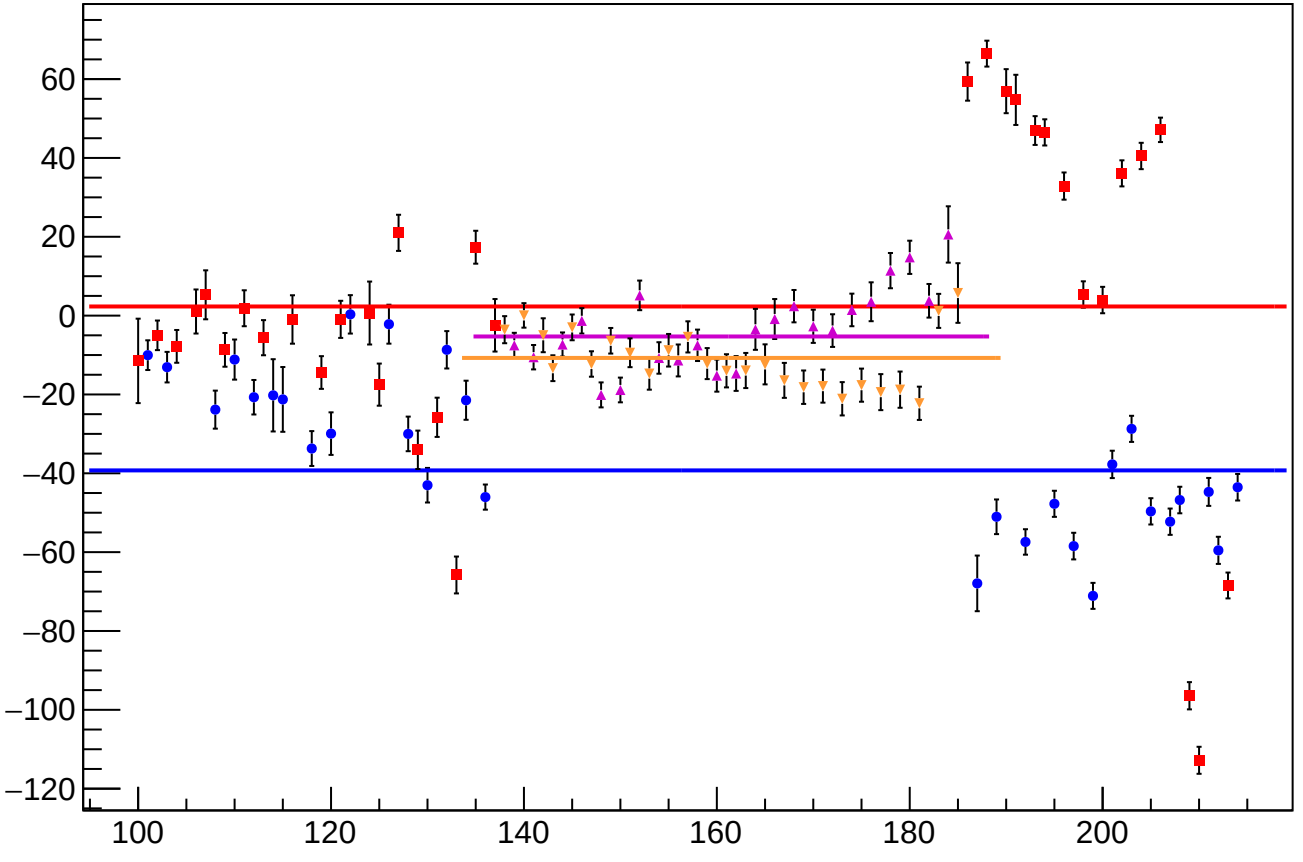
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1600.414+/-0.187 χ^2/NDF: 2123998.4/54

All: 1590.903+/-0.132 χ^2/NDF: 4371192.9/11

- sign 1581.508+/-0.186 χ^2/NDF: 2242060.1/56

diff_bpm0l01X_mean vs Slug



Right In: -39.264+/-0.728 χ^2/NDF: 631.1/29

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

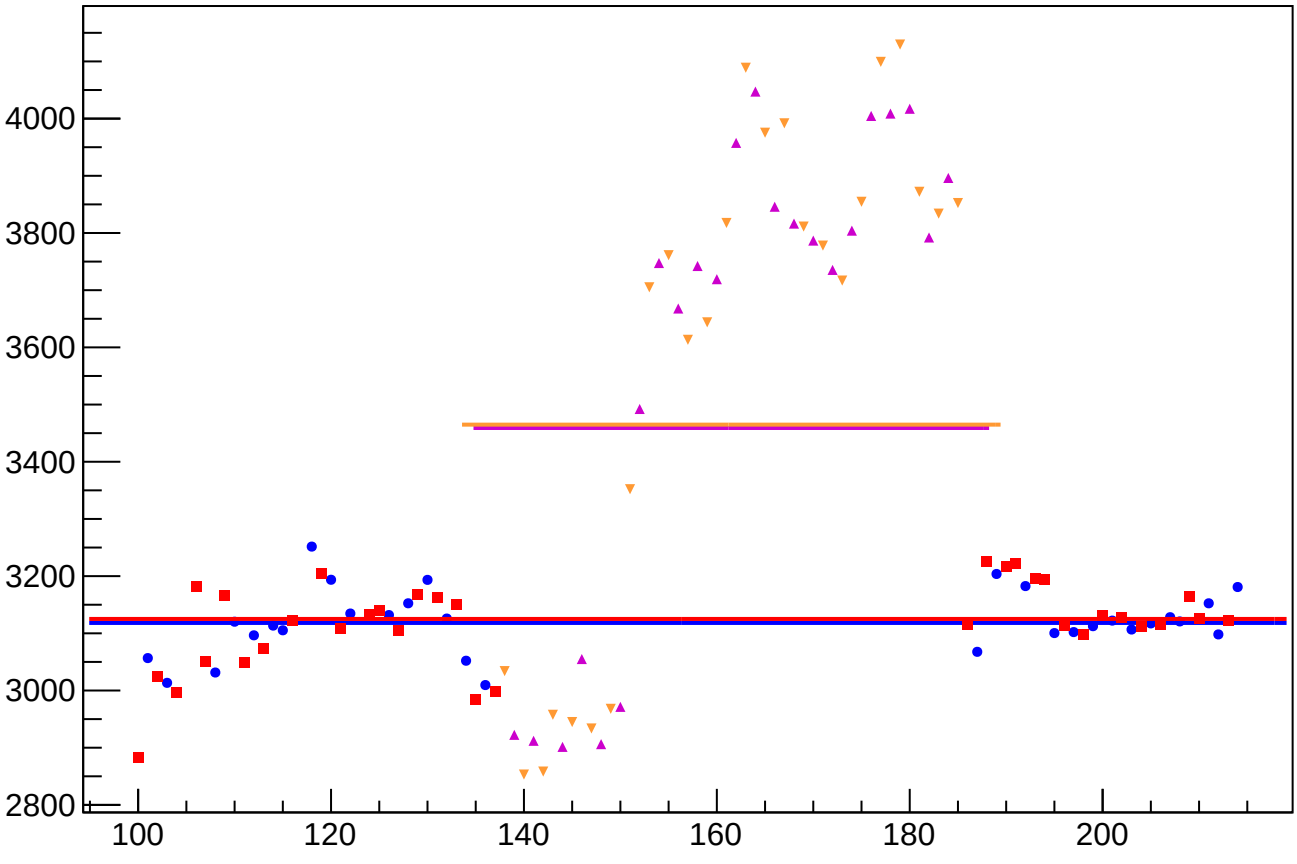
Right Out: 2.319+/-0.716 χ^2/NDF: 4326.2/33

Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -26.229+/-0.537 χ^2/NDF: 1406.6/54

All: -13.637+/-0.380 χ^2/NDF: 7019.3/111

- sign -0.997+/-0.538 χ^2/NDF: 4509.1/56



Right In: 3118.159+/-0.515 χ^2/NDF: 11103.3/29

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3125.157+/-0.506 χ^2/NDF: 14953.7/33

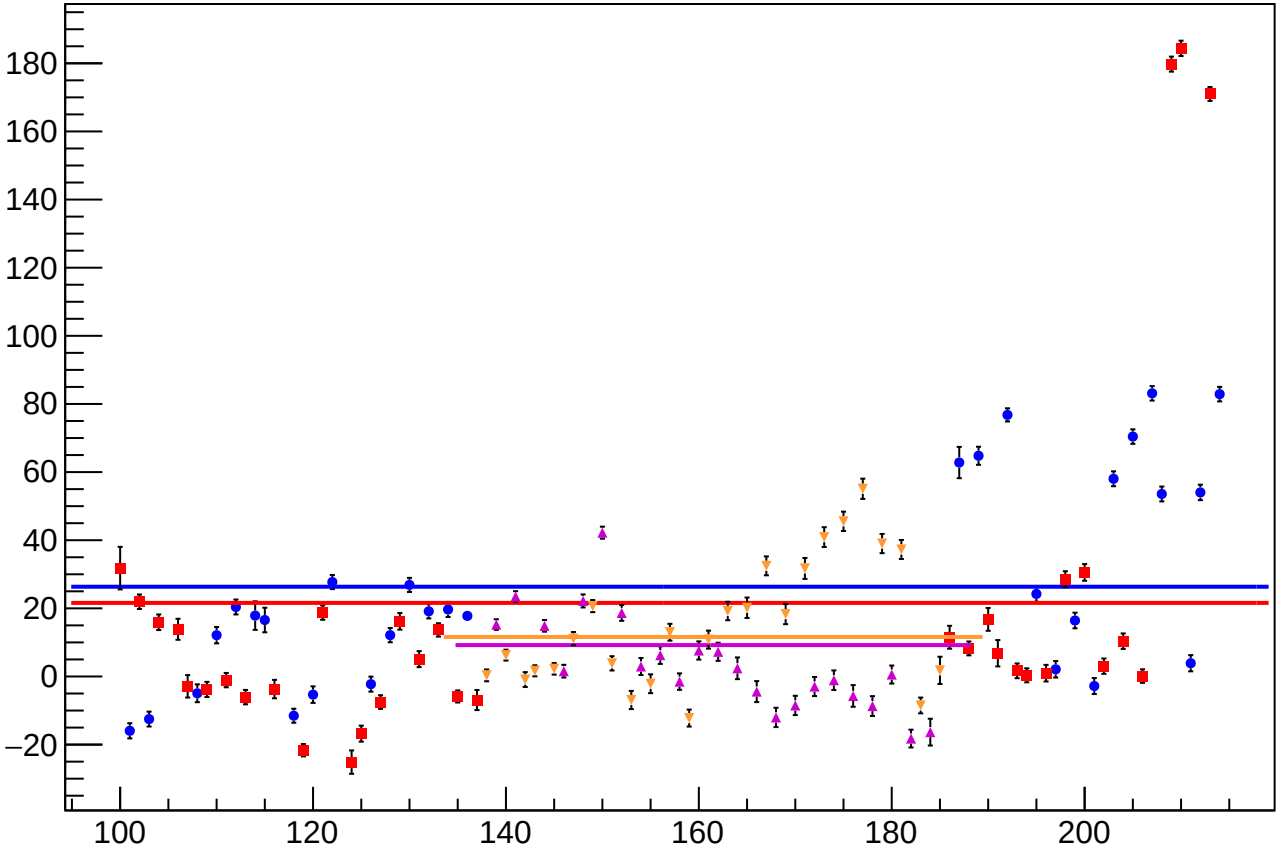
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3276.575+/-0.379 χ^2/NDF: 862391.9/54

All: 3273.628+/-0.269 χ^2/NDF: 1650487.9/11

- sign 3270.670+/-0.380 χ^2/NDF: 787975.1/56

diff_bpm0l01Y_mean vs Slug



Right In: 26.347+/-0.406 χ^2/NDF: 5331.7/29

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 21.603+/-0.400 χ^2/NDF: 18482.9/33

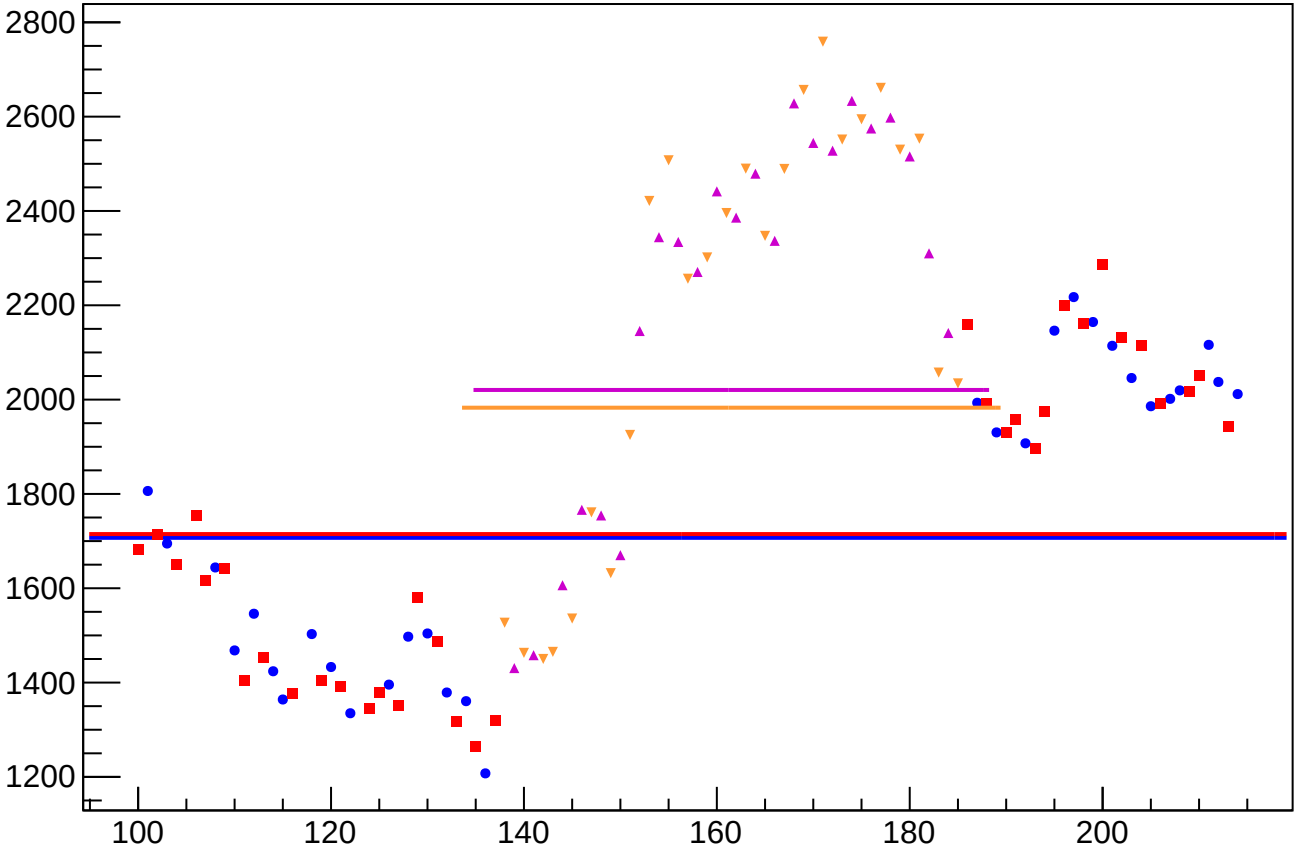
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

\+ sign 19.934+/-0.306 χ^2/NDF: 7101.1/54

All: 18.268+/-0.217 χ^2/NDF: 26974.2/111

\- sign 16.570+/-0.308 χ^2/NDF: 19813.0/56

diff_bpm0l01Y_rms vs Slug



Right In: 1706.961+/-0.287 χ^2/NDF: 1301087.3/29

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

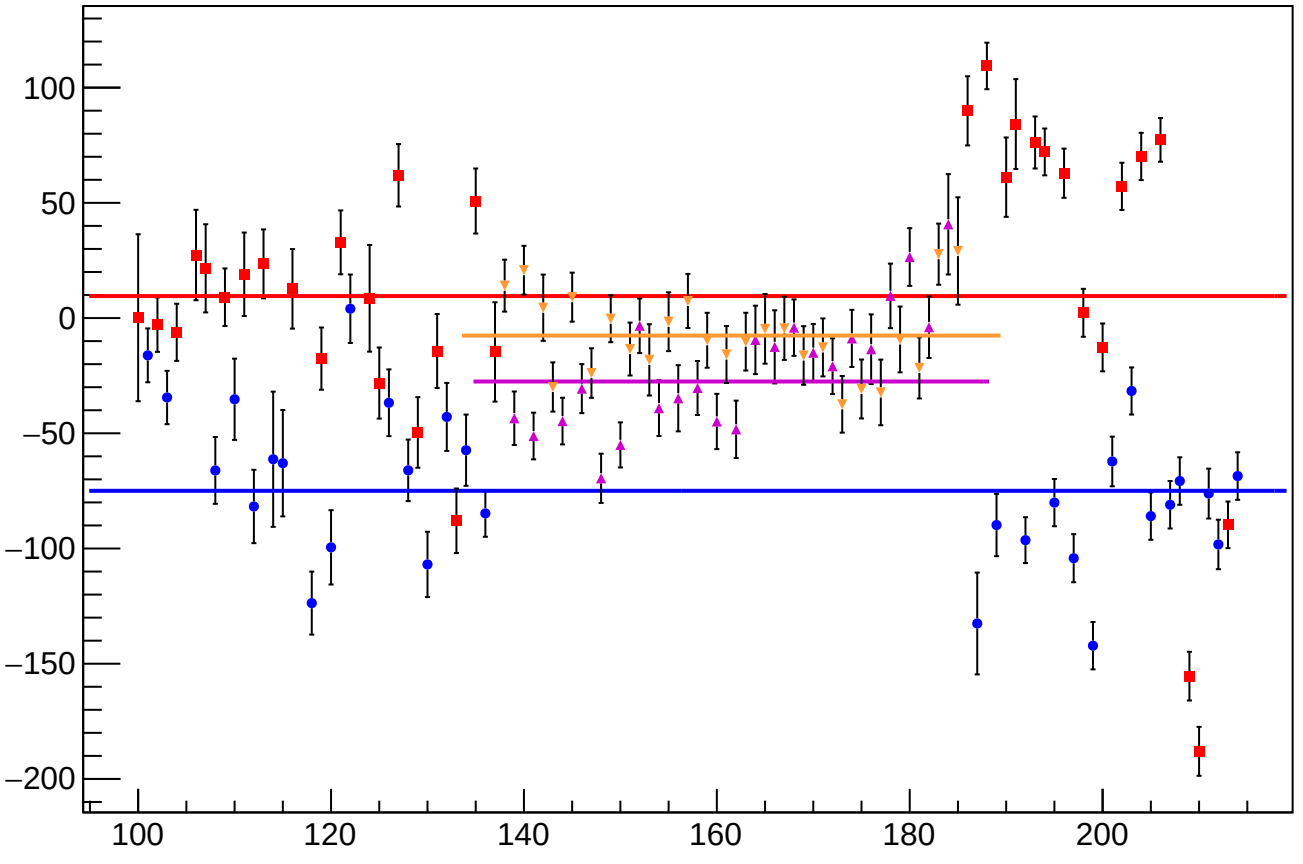
Right Out: 1714.906+/-0.283 χ^2/NDF: 1289629.5/33

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1826.933+/-0.216 χ^2/NDF: 3679446.3/54

All: 1832.926+/-0.153 χ^2/NDF: 7059028.1/11

- sign 1839.028+/-0.218 χ^2/NDF: 3378029.3/56



Right In: -74.963+/-2.257 χ^2/NDF: 196.1/29

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 9.547+/-2.222 χ^2/NDF: 1155.3/33

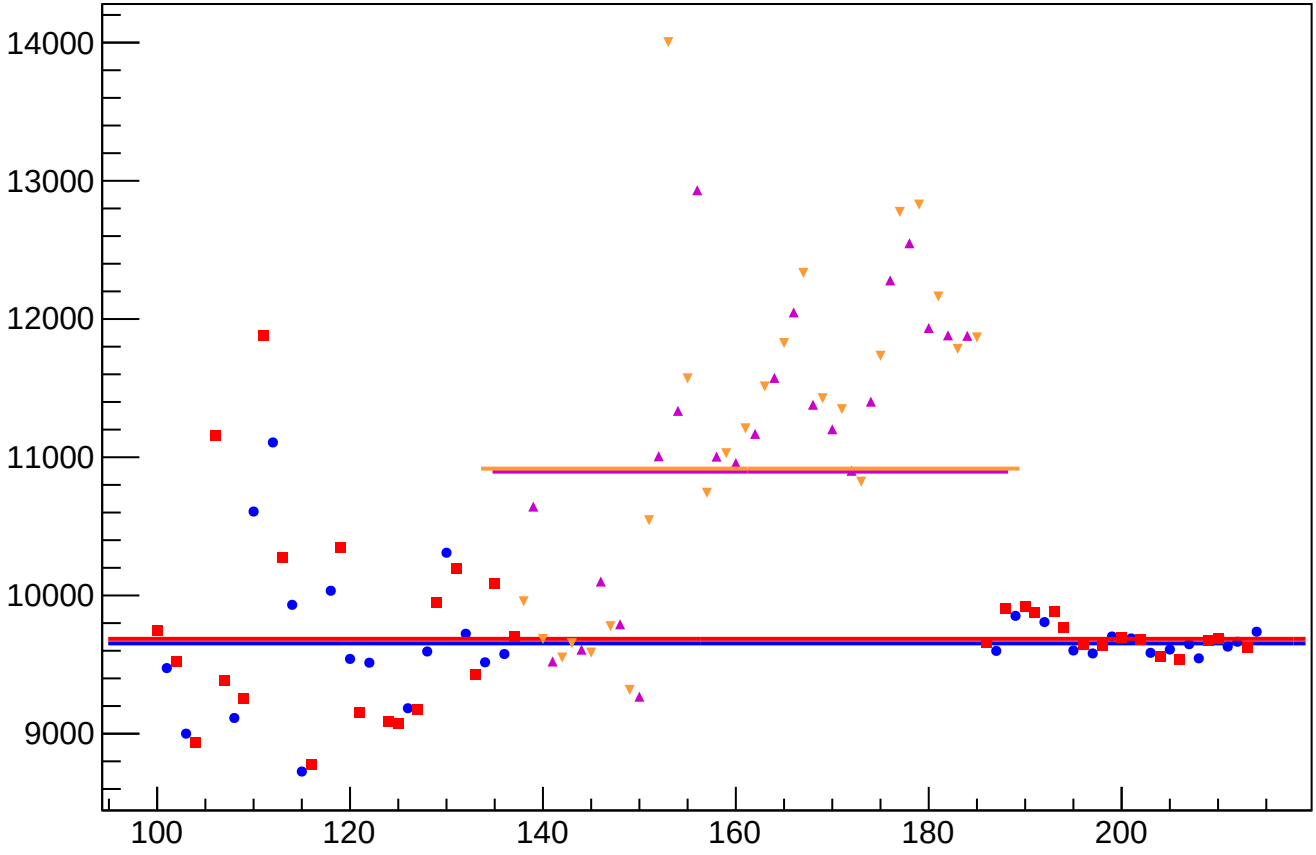
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -44.639+/-1.674 χ^2/NDF: 644.9/54

All: -25.561+/-1.185 χ^2/NDF: 2273.3/111

- sign -6.410+/-1.677 χ^2/NDF: 1368.1/56

diff_bpm0l02X_rms vs Slug



Right In: 9653.388+/-1.596 χ^2/NDF: 45750.4/29

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9686.192+/-1.571 χ^2/NDF: 83126.8/33

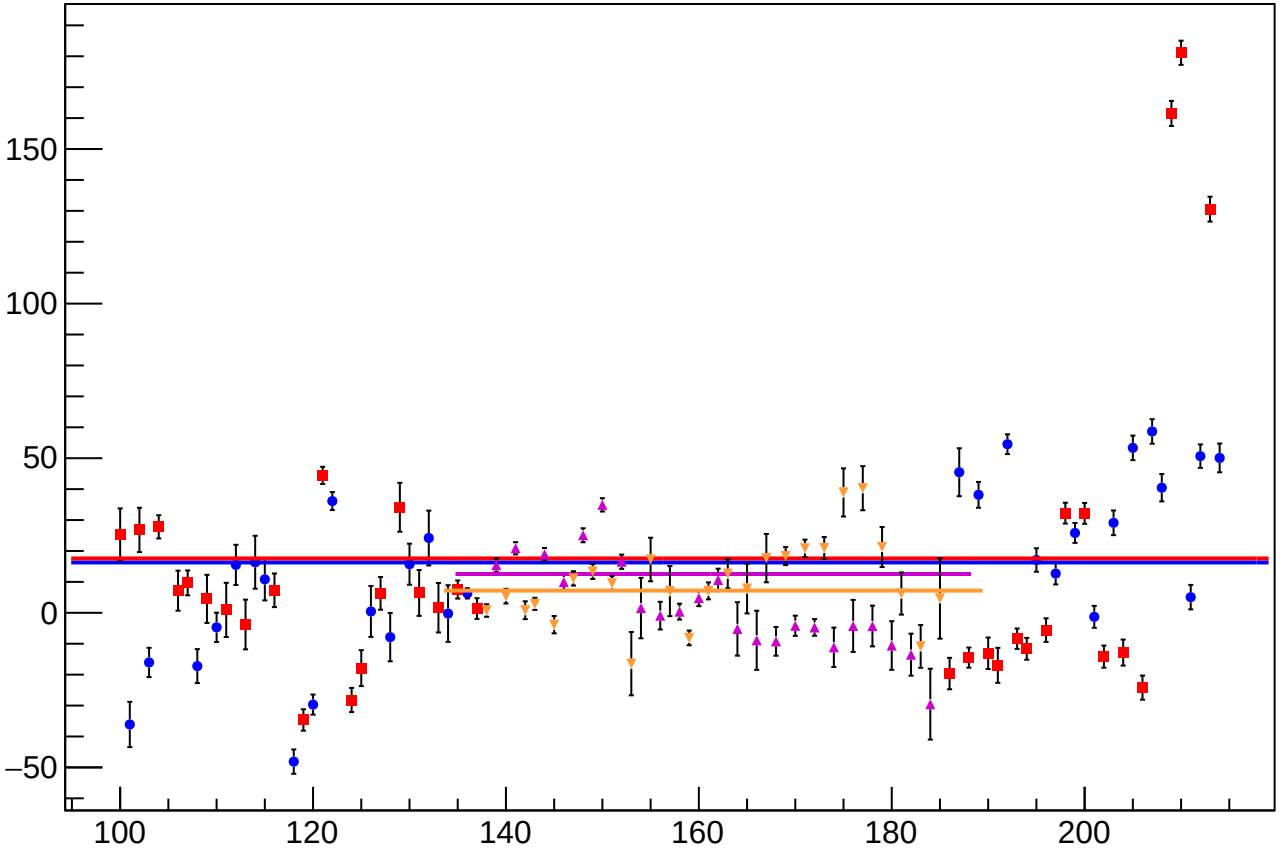
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10222.490+/-1.184 χ^2/NDF: 753985.1/54

All: 10214.701+/-0.838 χ^2/NDF: 1390380.3/1

\- sign 10206.883+/-1.186 χ^2/NDF: 636308.4/56

diff_bpm0l02Y_mean vs Slug



Right In: 16.282+/-0.739 χ^2/NDF: 1326.0/29

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 17.585+/-0.730 χ^2/NDF: 5050.7/33

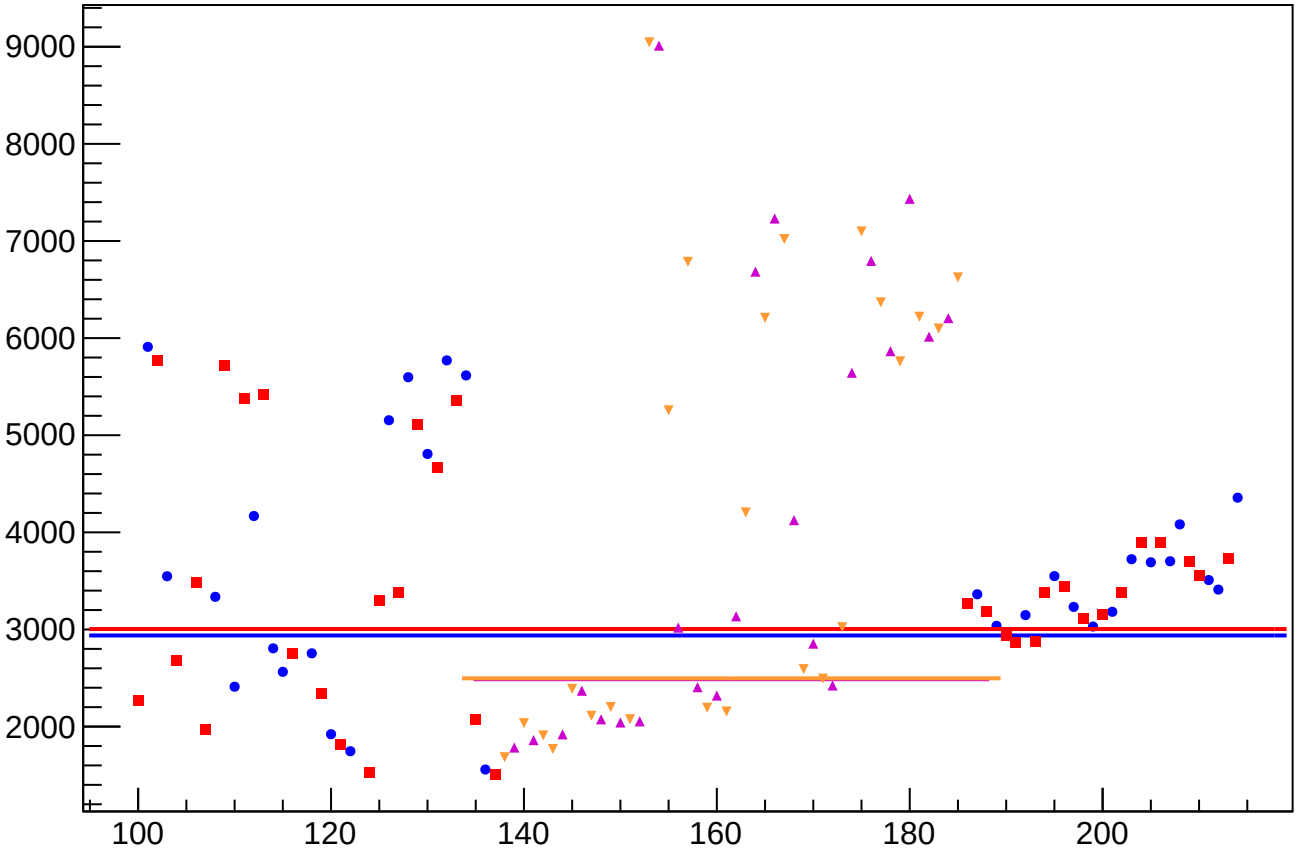
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 11.181+/-0.489 χ^2/NDF: 1612.8/54

All: 12.998+/-0.346 χ^2/NDF: 7089.2/111

- sign 14.817+/-0.490 χ^2/NDF: 5448.9/56

diff_bpm0l02Y_rms vs Slug



Right In: 2938.176+/-0.522 χ^2/NDF: 4000765.5/29

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 3004.524+/-0.516 χ^2/NDF: 3252307.2/33

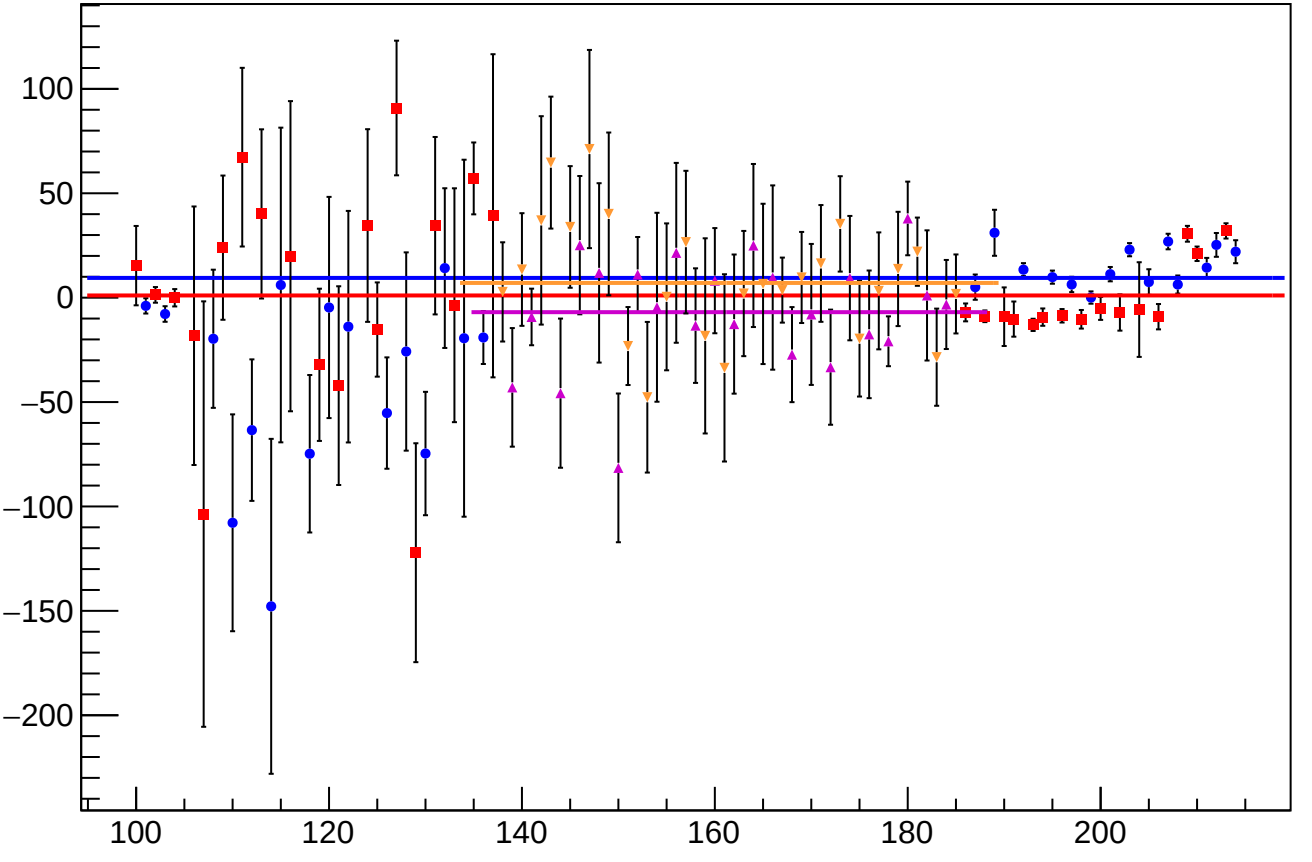
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2690.671+/-0.346 χ^2/NDF: 11607175.2/54

All: 2705.457+/-0.245 χ^2/NDF: 21517515.9/1

- sign 2720.269+/-0.346 χ^2/NDF: 9906687.1/56

diff_bpm0l03X_mean vs Slug



Right In: 9.464+/-0.983 χ^2/NDF: 146.1/29

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 1.060+/-1.016 χ^2/NDF: 267.2/33

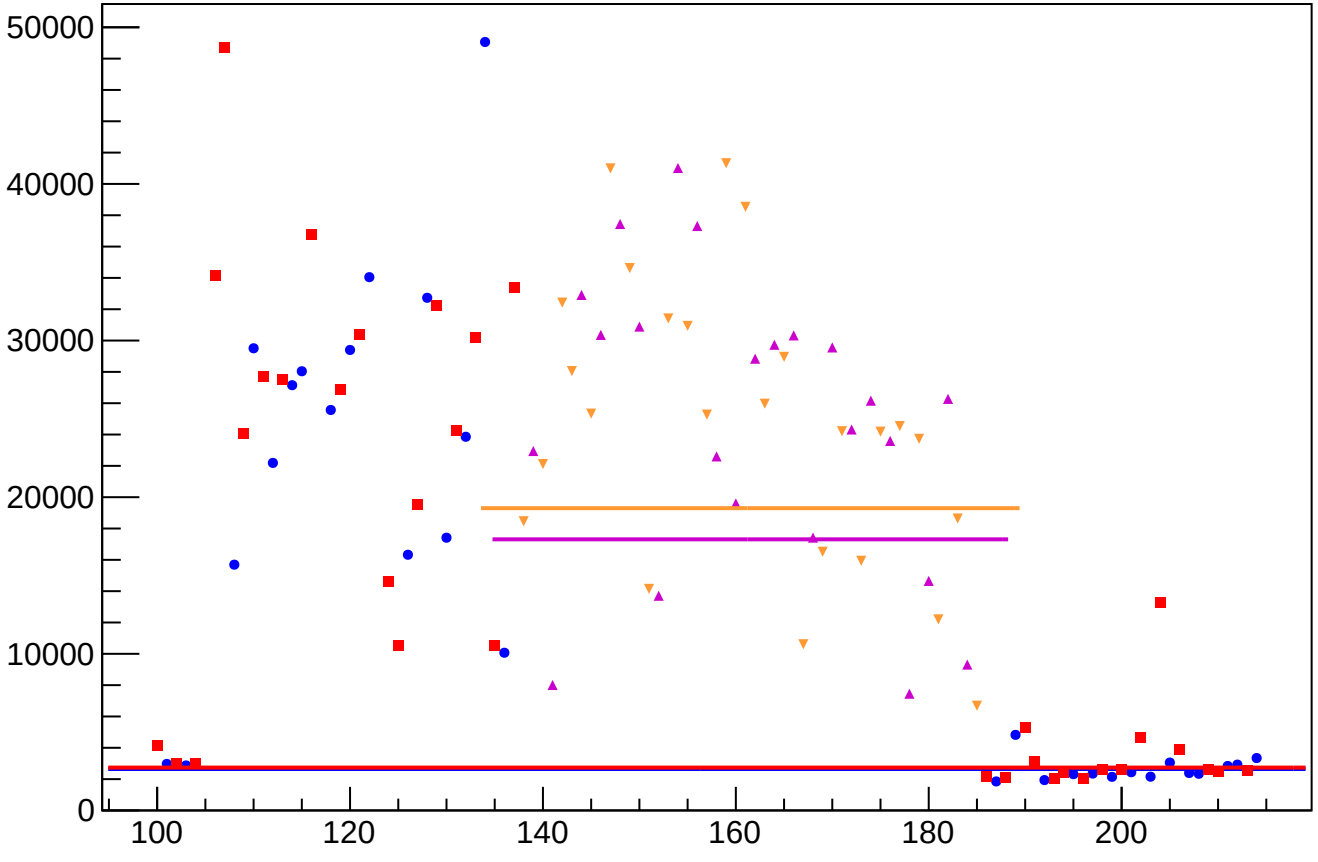
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 9.382+/-0.966 χ^2/NDF: 165.8/54

All: 5.198+/-0.694 χ^2/NDF: 495.2/111

- sign 0.753+/-0.996 χ^2/NDF: 290.7/56

diff_bpm0l03X_rms vs Slug



Right In: 2647.713+/-0.695 χ^2/NDF: 7988559.1/29

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2736.640+/-0.718 χ^2/NDF: 9424834.7/33

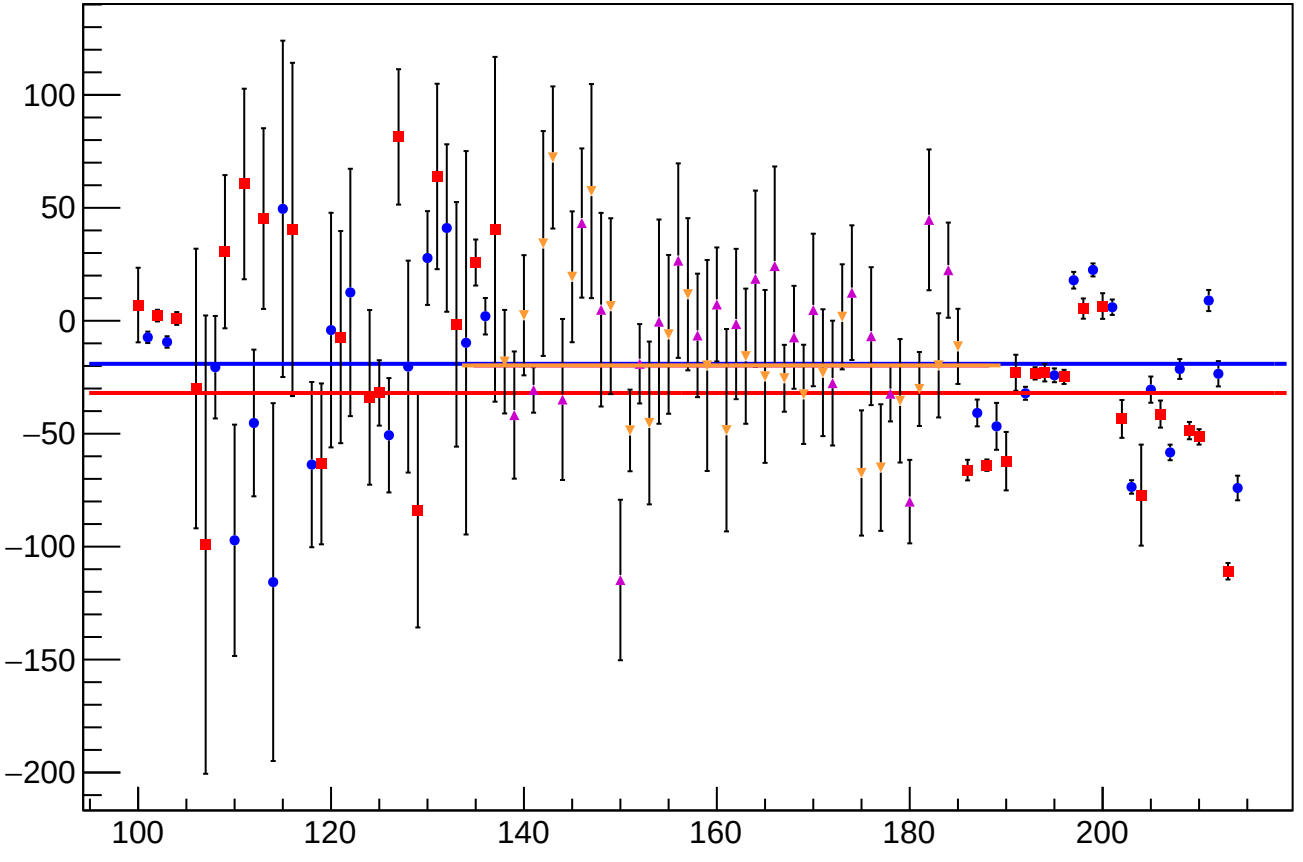
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3216.612+/-0.683 χ^2/NDF: 32625747.9/54

All: 3254.406+/-0.490 χ^2/NDF: 64539254.7/1

- sign 3294.569+/-0.704 χ^2/NDF: 31907195.2/56

diff_bpm0l03Y_mean vs Slug



Right In: -19.061+/-0.887 χ^2/NDF: 1070.7/29

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

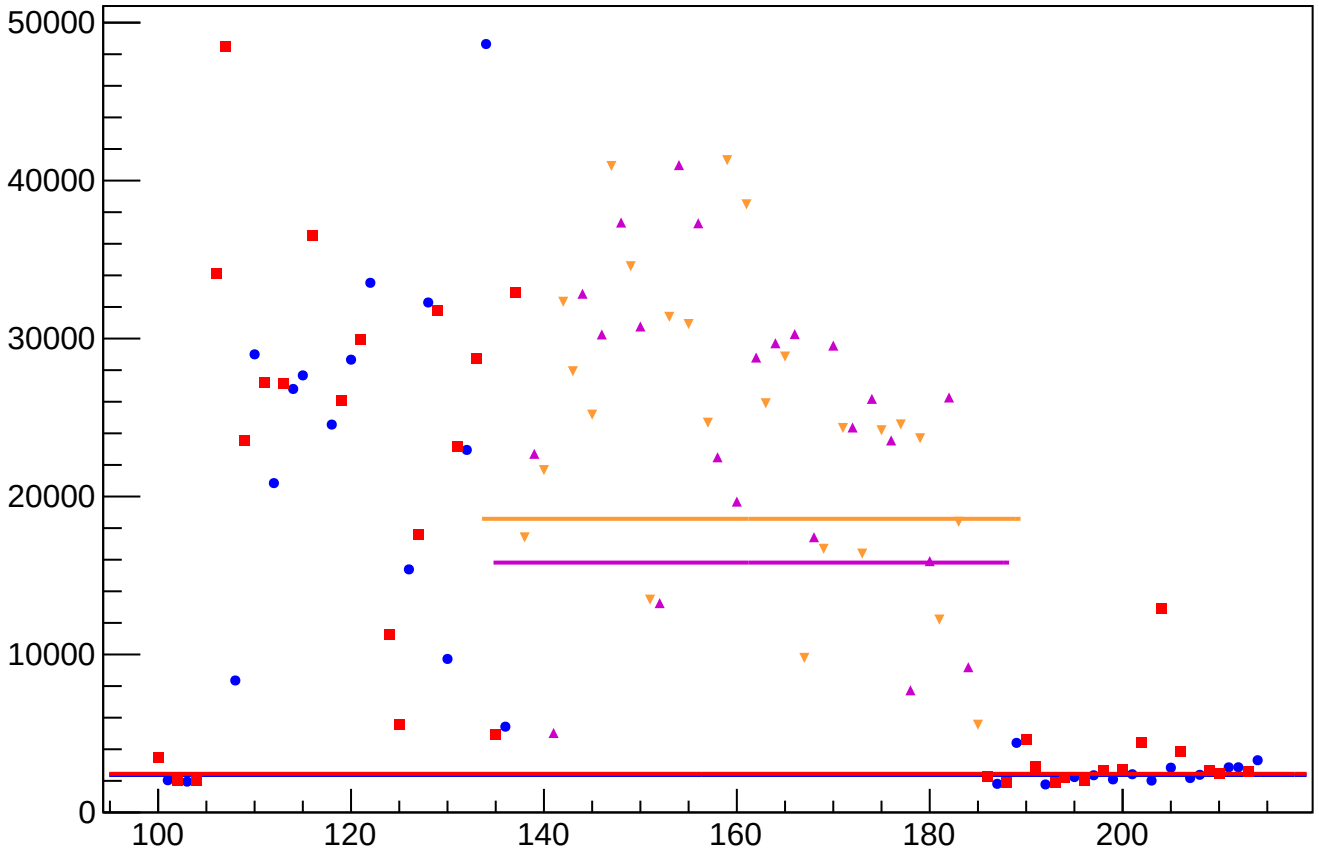
Right Out: -31.973+/-0.918 χ^2/NDF: 1271.7/33

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

\+ sign -19.081+/-0.874 χ^2/NDF: 1098.5/54

All: -25.118+/-0.628 χ^2/NDF: 2515.2/111

\- sign -31.552+/-0.902 χ^2/NDF: 1318.1/56



Right In: 2371.320+/-0.627 χ^2/NDF: 7170633.0/29

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2445.449+/-0.649 χ^2/NDF: 9018703.6/33

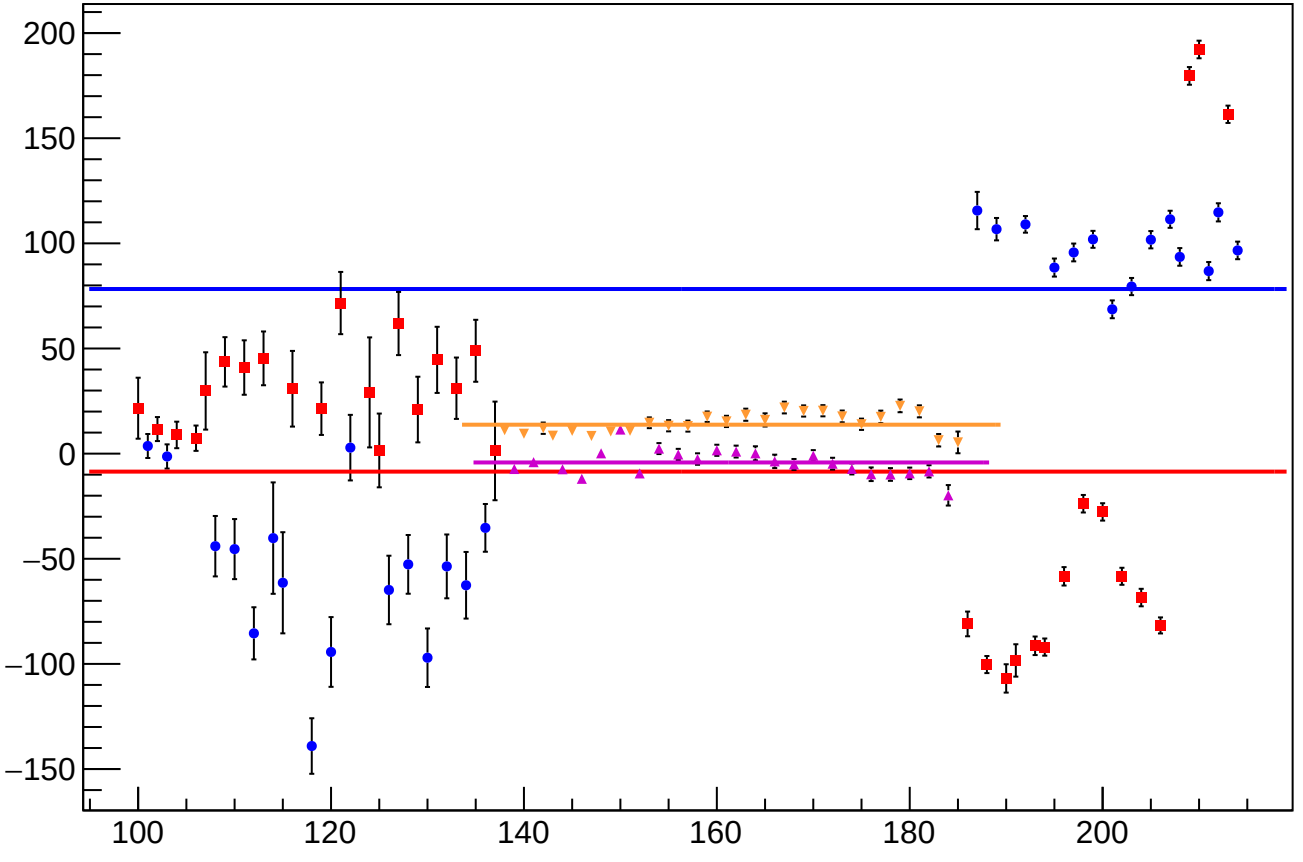
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2844.277+/-0.618 χ^2/NDF: 32375779.6/54

All: 2875.536+/-0.444 χ^2/NDF: 64510343.7/1

- sign 2908.849+/-0.638 χ^2/NDF: 32129276.7/56

diff_bpm0l04X_mean vs Slug



Right In: 78.287+/-1.076 χ^2/NDF: 2094.2/29

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -8.553+/-1.042 χ^2/NDF: 8862.5/33

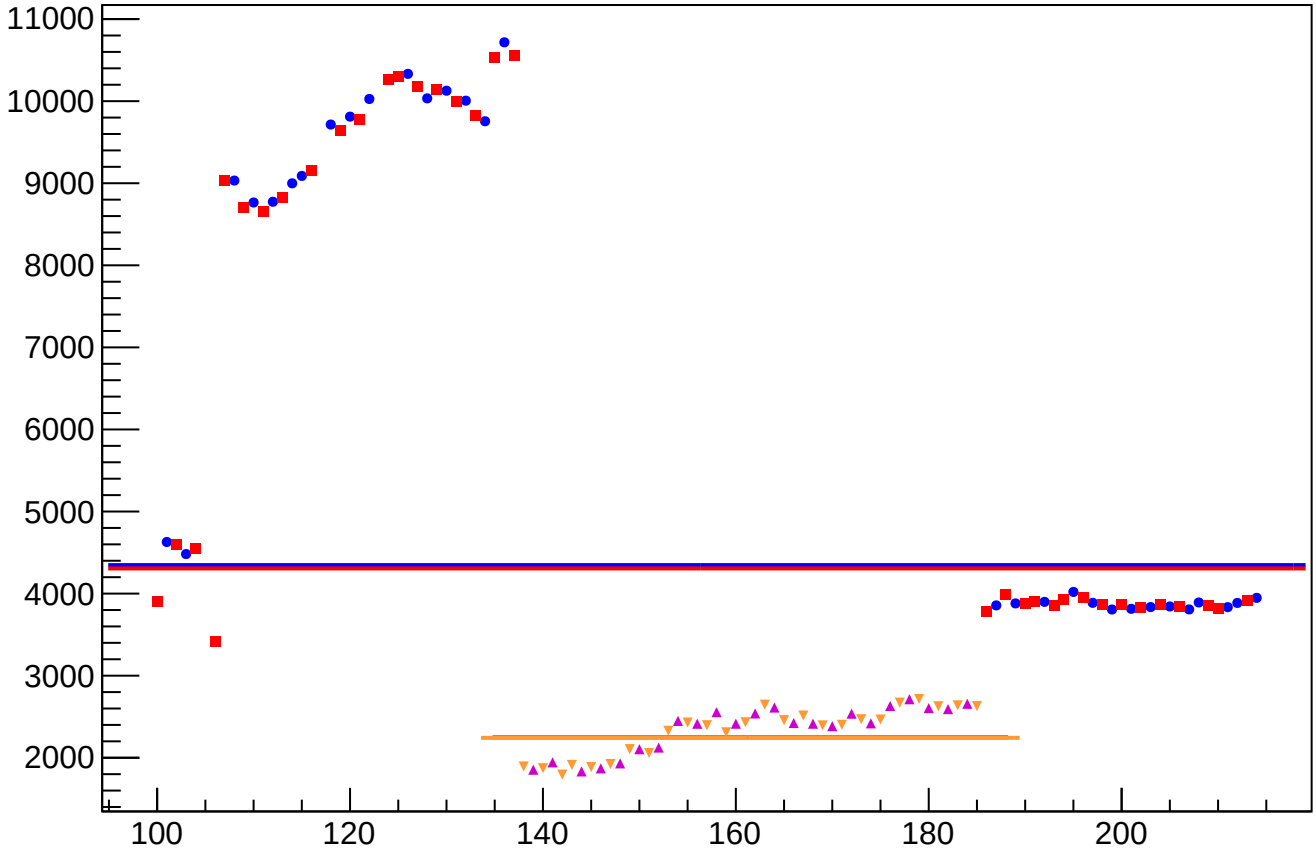
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

\+ sign 25.751+/-0.464 χ^2/NDF: 5099.7/54

All: 10.612+/-0.331 χ^2/NDF: 16270.9/111

\- sign -5.097+/-0.472 χ^2/NDF: 9000.3/56

diff_bpm0l04X_rms vs Slug



Right In: 4347.314+/-0.761 χ^2/NDF: 4042980.6/29

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4306.339+/-0.737 χ^2/NDF: 3980210.1/33

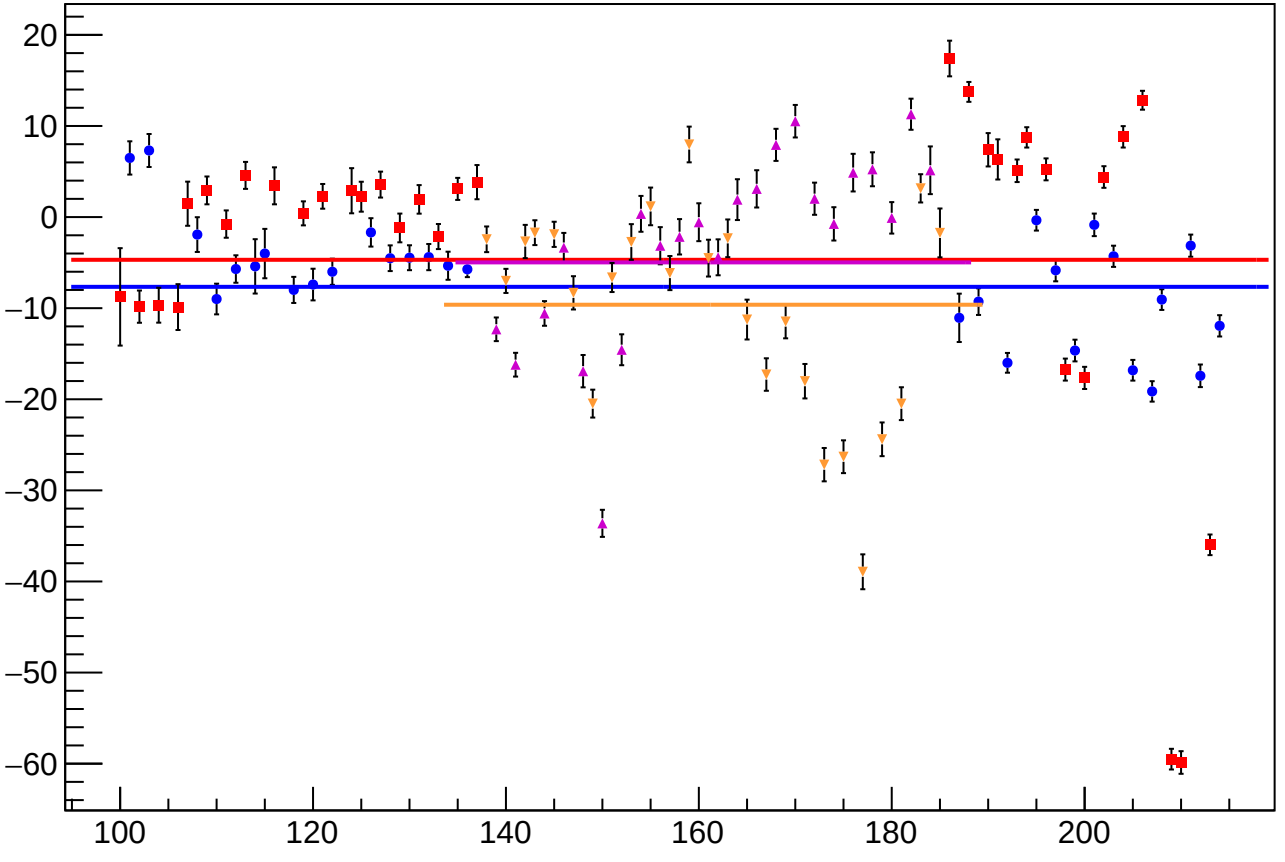
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2633.465+/-0.328 χ^2/NDF: 10933392.2/54

All: 2652.194+/-0.234 χ^2/NDF: 21759081.8/1

- sign 2671.628+/-0.334 χ^2/NDF: 10819043.9/56

diff_bpm0l04Y_mean vs Slug



Right In: -7.657+/-0.247 χ^2/NDF: 620.0/29

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -4.690+/-0.245 χ^2/NDF: 6819.4/33

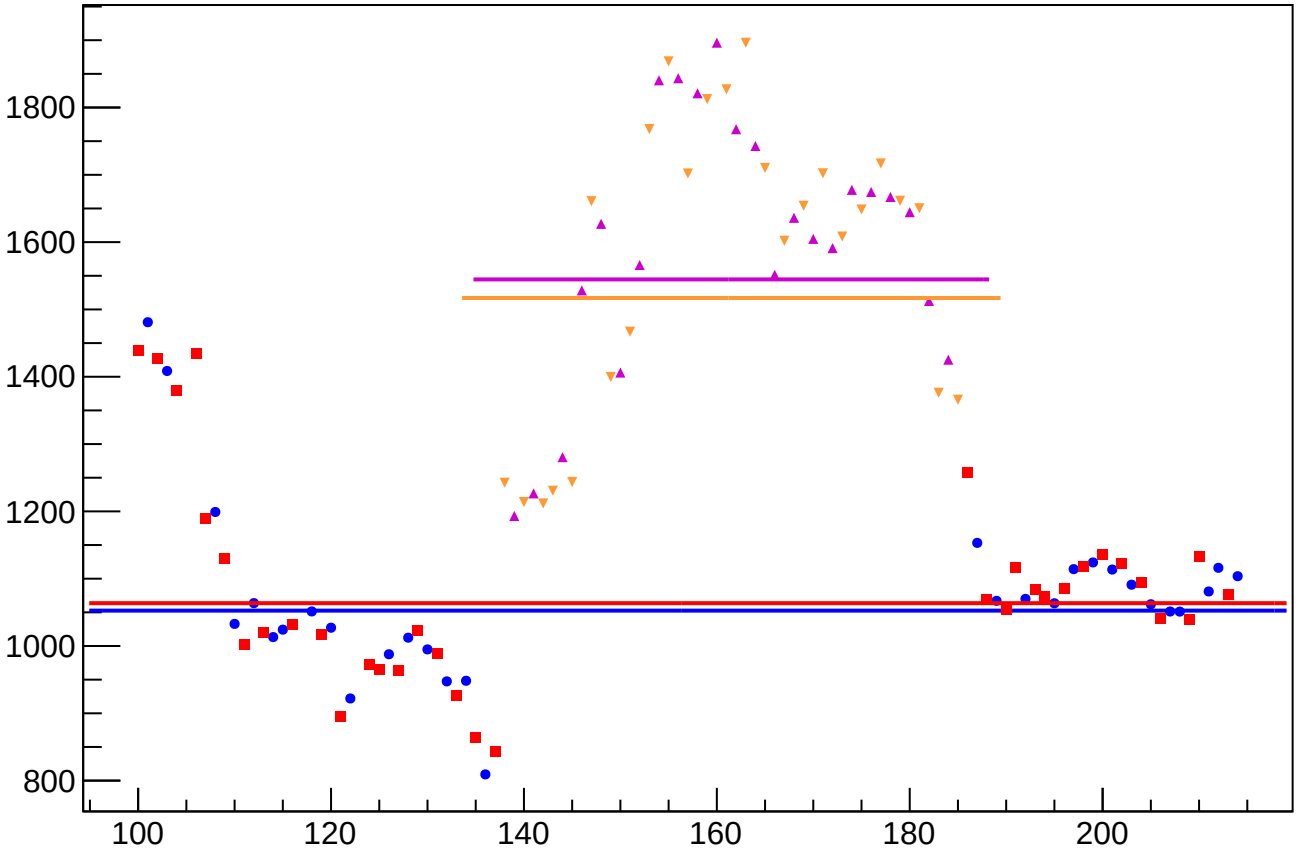
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.314+/-0.202 χ^2/NDF: 1575.4/54

All: -6.560+/-0.143 χ^2/NDF: 9477.3/111

- sign -4.778+/-0.203 χ^2/NDF: 7749.6/56

diff_bpm0l04Y_rms vs Slug



Right In: 1052.554+/-0.175 χ^2/NDF: 439768.0/29

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1063.631+/-0.173 χ^2/NDF: 414376.8/33

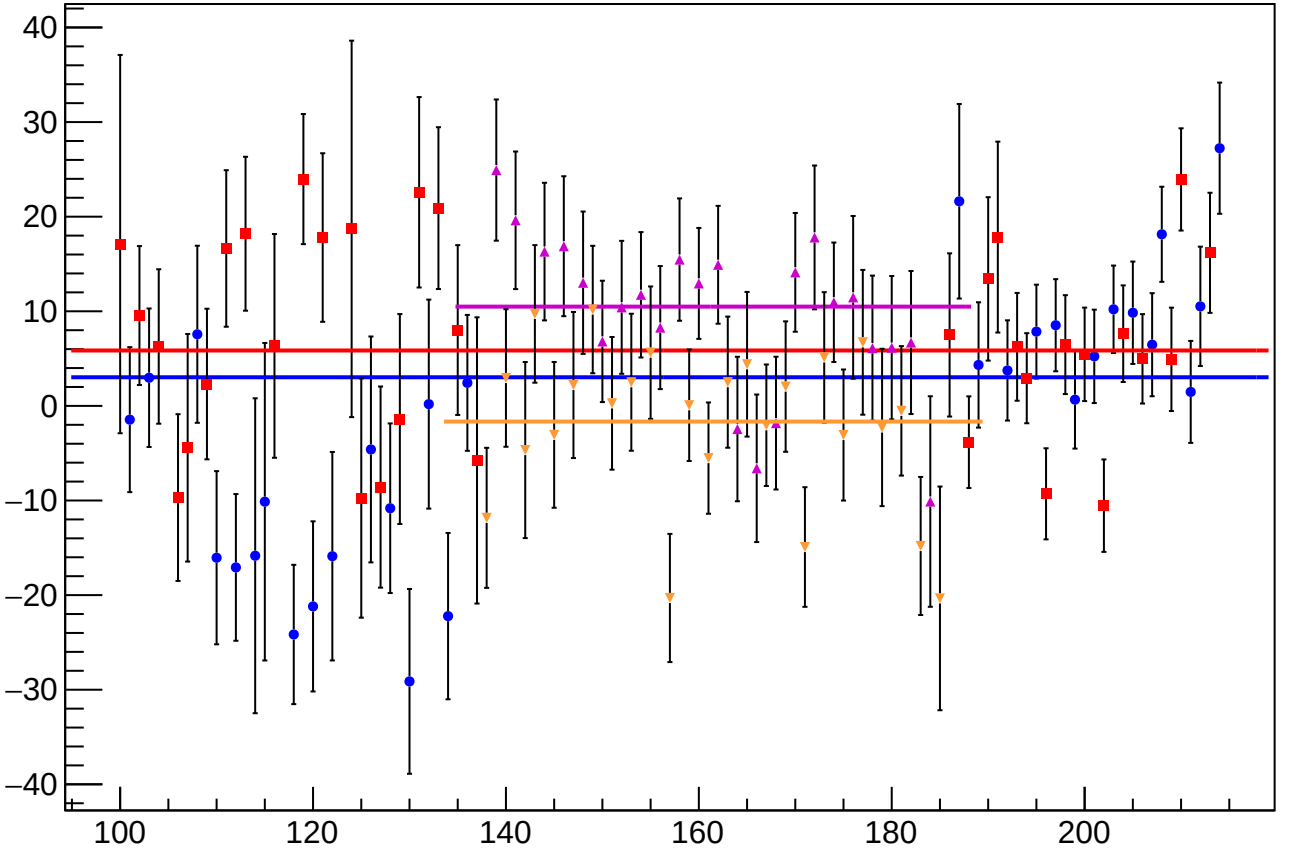
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1207.773+/-0.143 χ^2/NDF: 3629713.0/54

All: 1210.489+/-0.101 χ^2/NDF: 7081296.8/11

- sign 1213.246+/-0.144 χ^2/NDF: 3450854.1/56

diff_bpm0l05X_mean vs Slug



Right In: 3.027+/-1.235 χ^2/NDF: 92.4/29

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 5.857+/-1.194 χ^2/NDF: 69.9/33

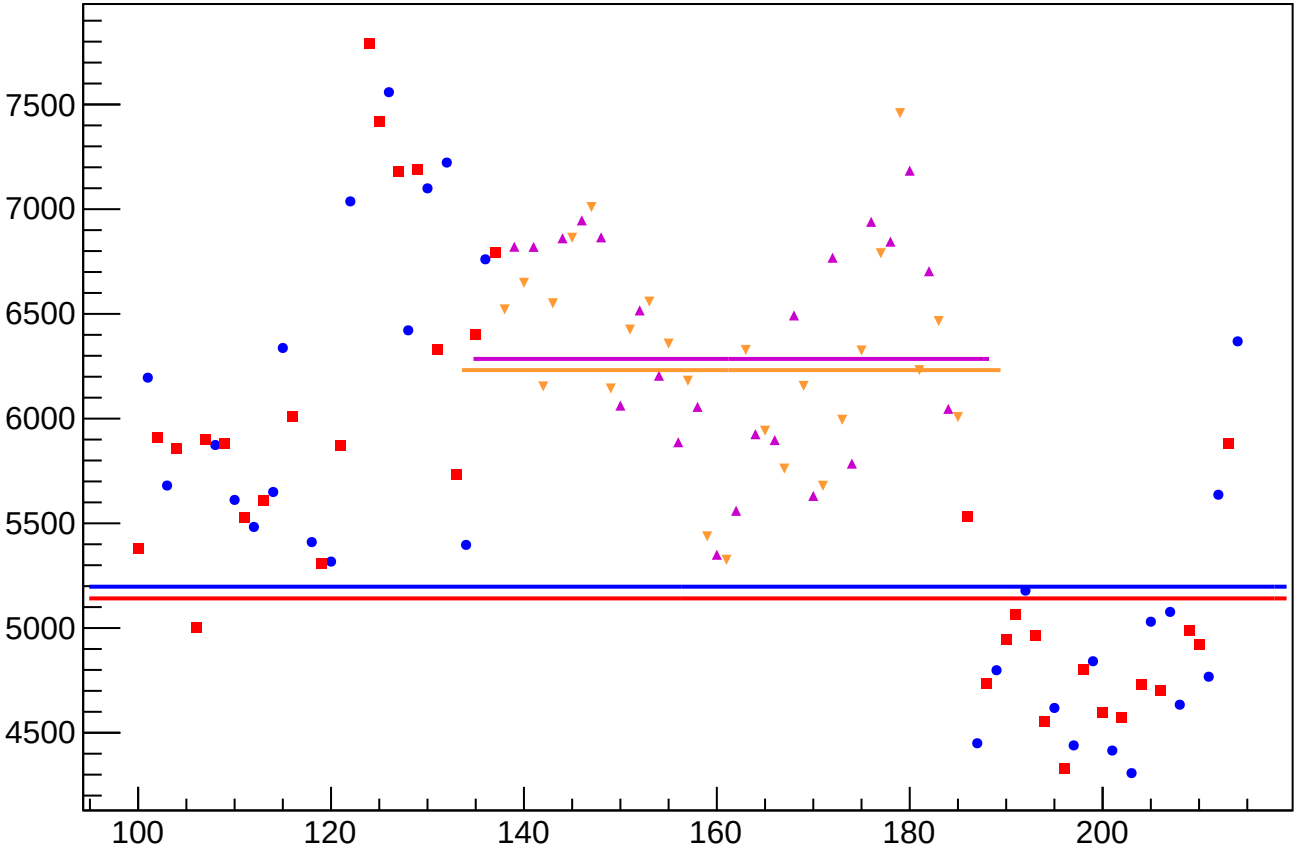
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 1.021+/-0.933 χ^2/NDF: 130.1/54

All: 4.368+/-0.659 χ^2/NDF: 256.4/111

- sign 7.686+/-0.929 χ^2/NDF: 100.8/56

diff_bpm0l05X_rms vs Slug



Right In: 5197.470+/-0.873 χ^2/NDF: 817735.9/29

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5141.482+/-0.845 χ^2/NDF: 673890.9/33

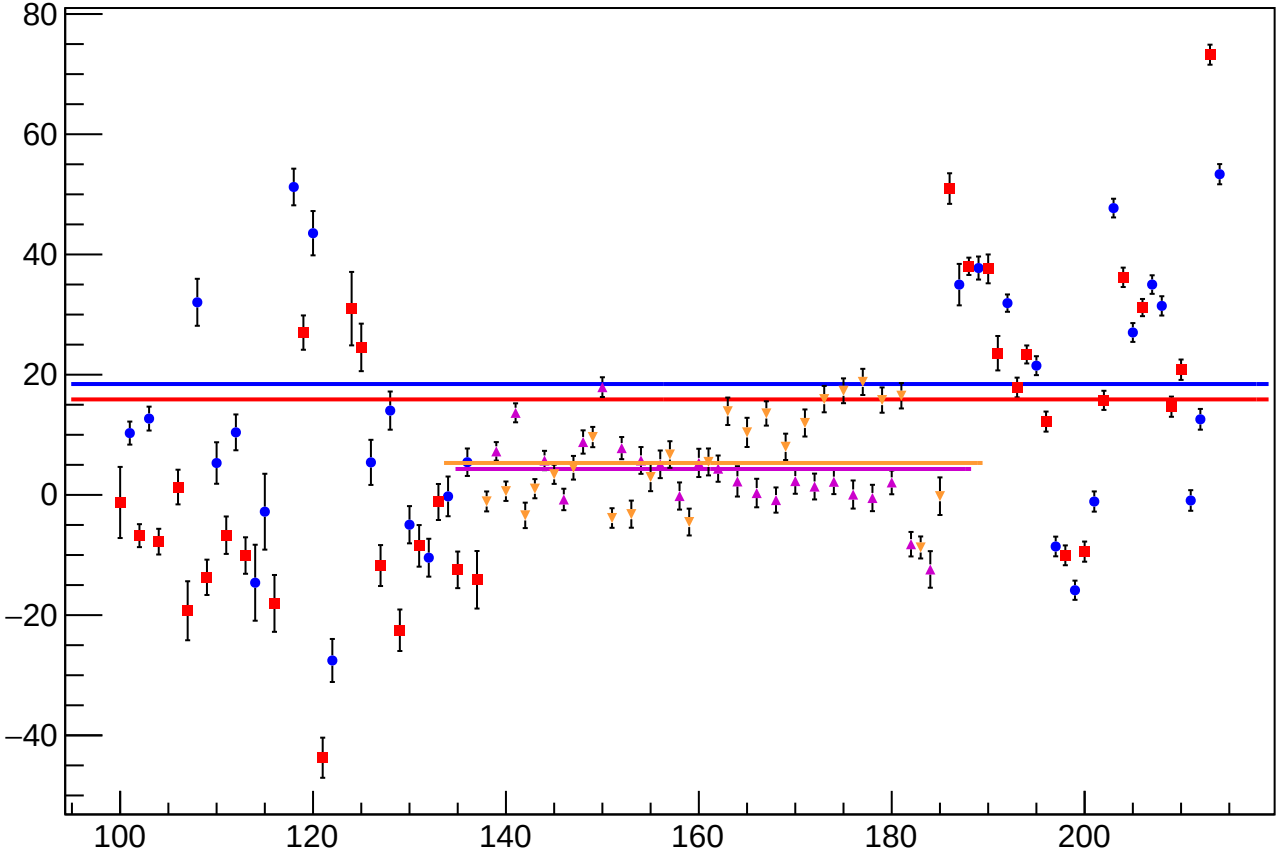
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5640.405+/-0.660 χ^2/NDF: 1645711.4/54

All: 5616.430+/-0.466 χ^2/NDF: 3310850.3/11

- sign 5592.660+/-0.657 χ^2/NDF: 1662511.5/56

diff_bpm0l05Y_mean vs Slug



Right In: 18.444+/-0.384 χ^2/NDF: 2864.2/29

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

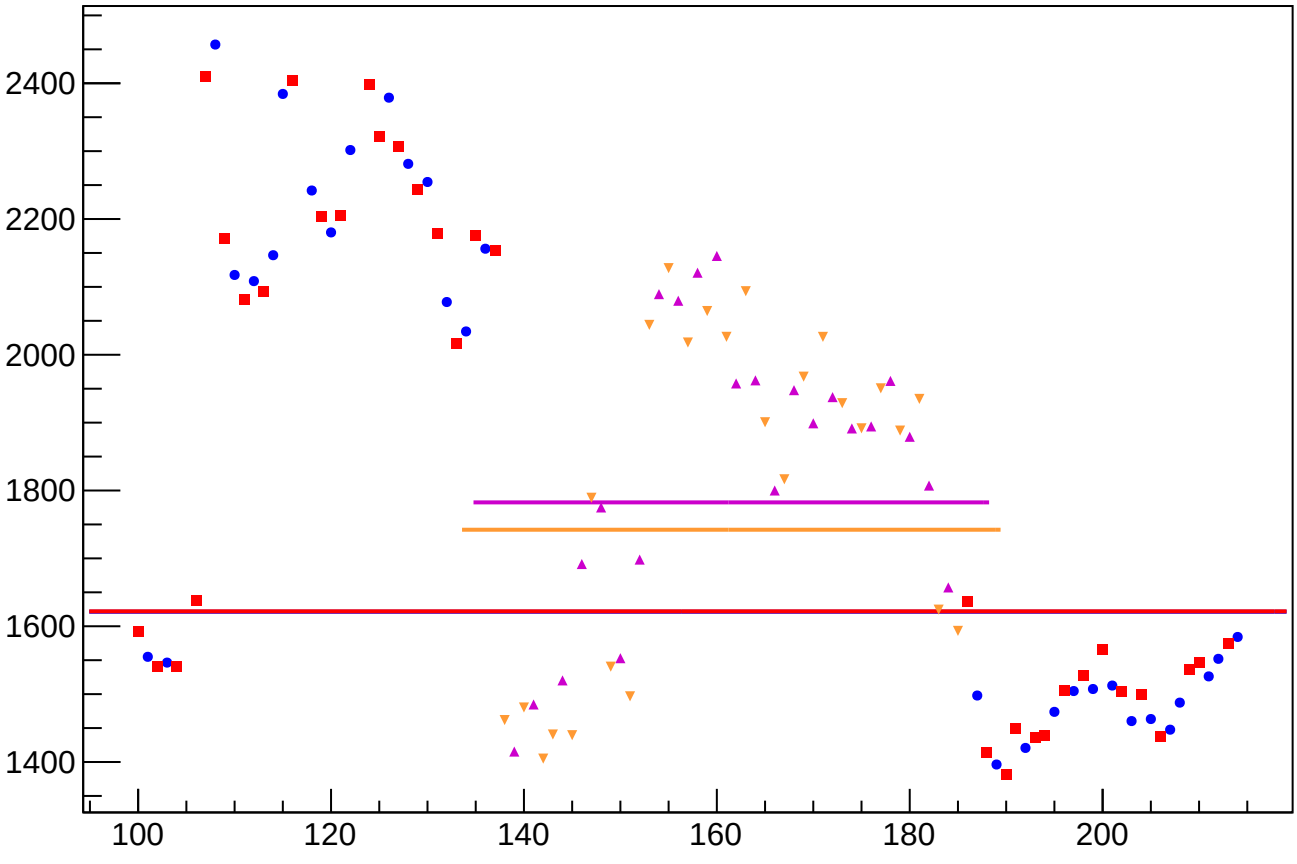
Right Out: 15.886+/-0.377 χ^2/NDF: 3856.4/33

Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

\+ sign 12.147+/-0.277 χ^2/NDF: 3802.2/54

All: 11.444+/-0.197 χ^2/NDF: 8312.7/111

\- sign 10.723+/-0.281 χ^2/NDF: 4497.5/56



Right In: 1621.394+/-0.272 χ^2/NDF: 1076245.5/29

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1622.011+/-0.267 χ^2/NDF: 1046335.8/33

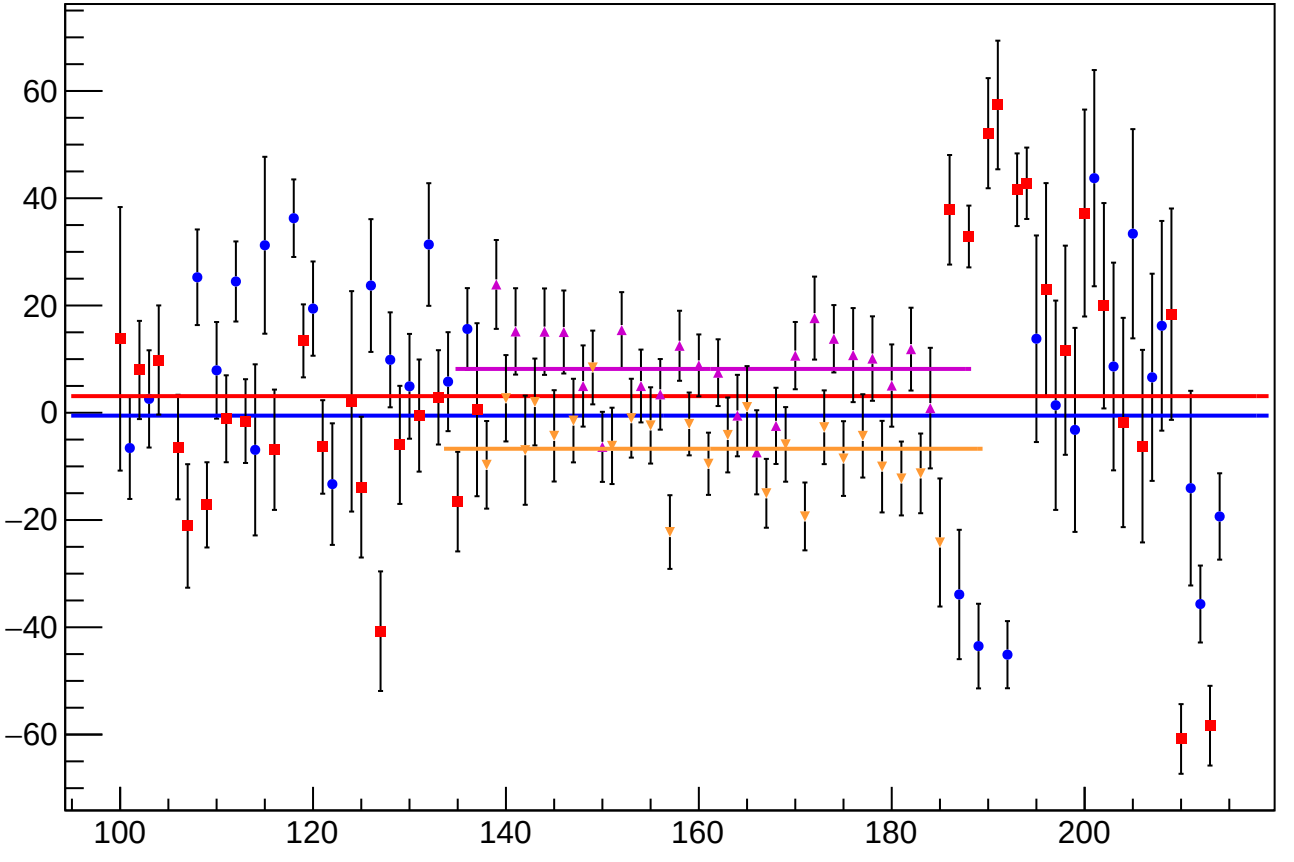
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1679.333+/-0.196 χ^2/NDF: 1938715.8/54

All: 1686.380+/-0.139 χ^2/NDF: 3683753.9/11

- sign 1693.596+/-0.198 χ^2/NDF: 1742422.9/56

diff_bpm0l06X_mean vs Slug



Right In: -0.536+/-1.865 χ^2/NDF: 203.0/29

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 3.100+/-1.679 χ^2/NDF: 360.7/33

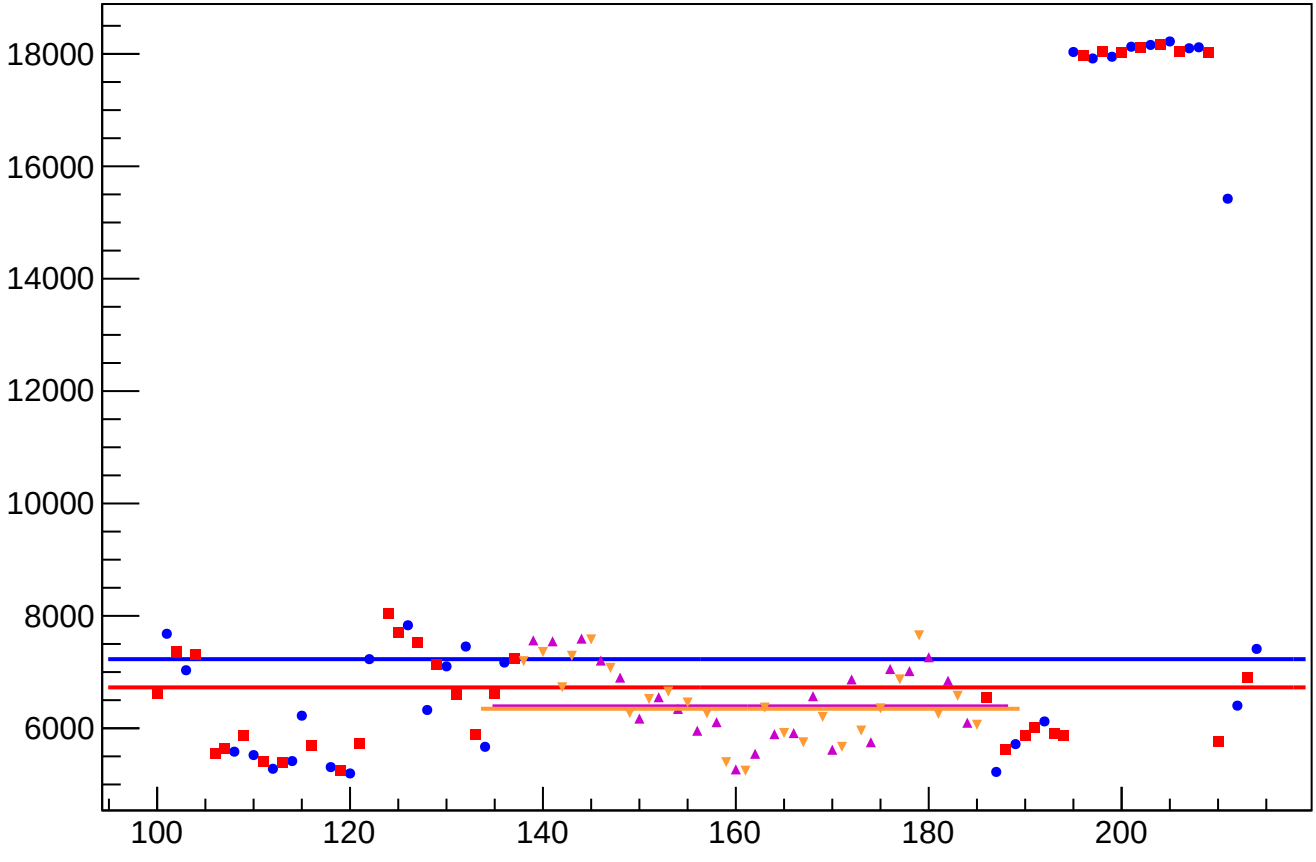
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -4.371+/-1.149 χ^2/NDF: 235.5/54

All: 0.883+/-0.803 χ^2/NDF: 666.3/111

- sign 5.904+/-1.123 χ^2/NDF: 389.9/56

diff_bpm0l06X_rms vs Slug



Right In: 7229.663+/-1.319 χ^2/NDF: 6248820.3/29

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6727.391+/-1.187 χ^2/NDF: 5434254.7/33

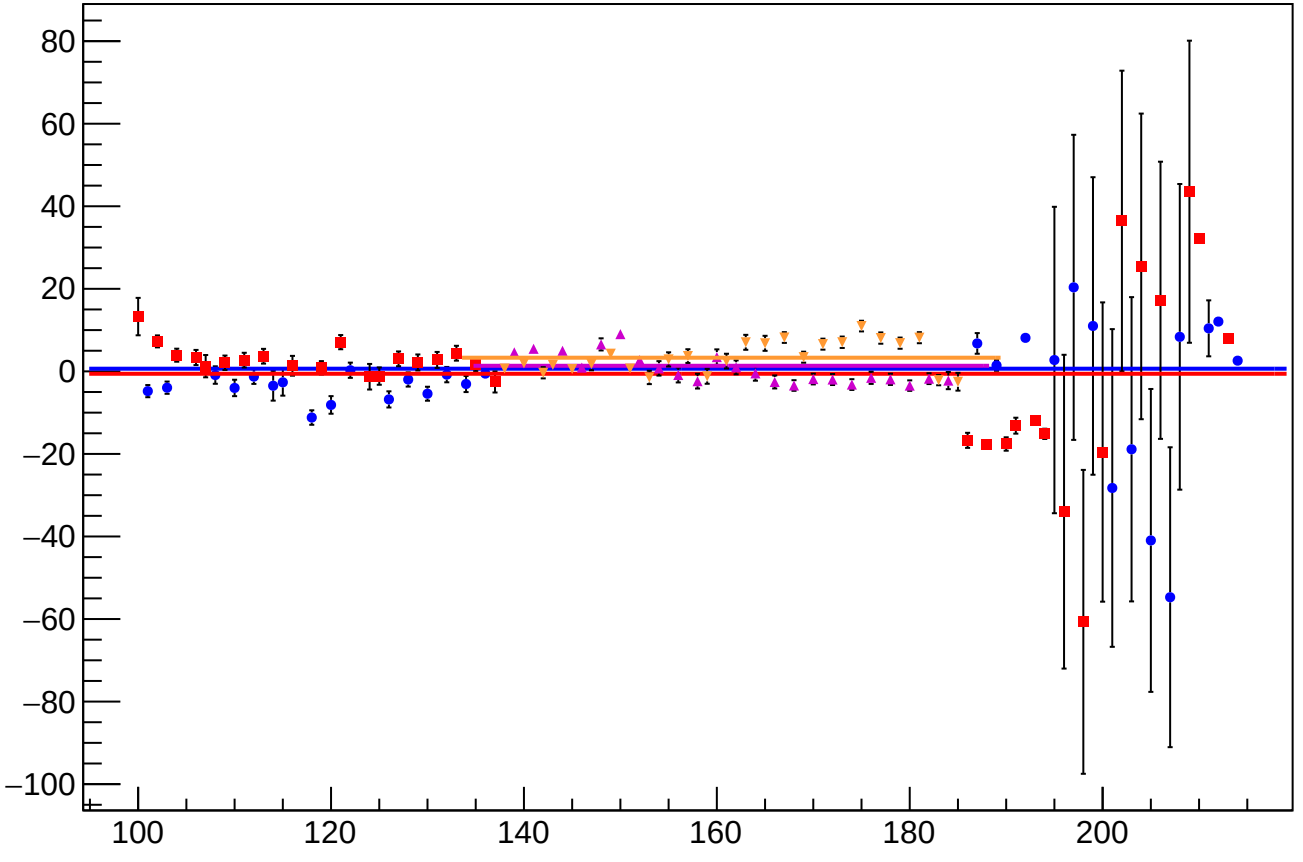
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6681.839+/-0.812 χ^2/NDF: 6912674.1/54

All: 6609.570+/-0.568 χ^2/NDF: 12826959.6/1

- sign 6540.513+/-0.794 χ^2/NDF: 5898802.9/56

diff_bpm0l06Y_mean vs Slug



Right In: 0.646+/-0.344 χ^2/NDF: 308.4/29

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -0.581+/-0.314 χ^2/NDF: 1663.8/33

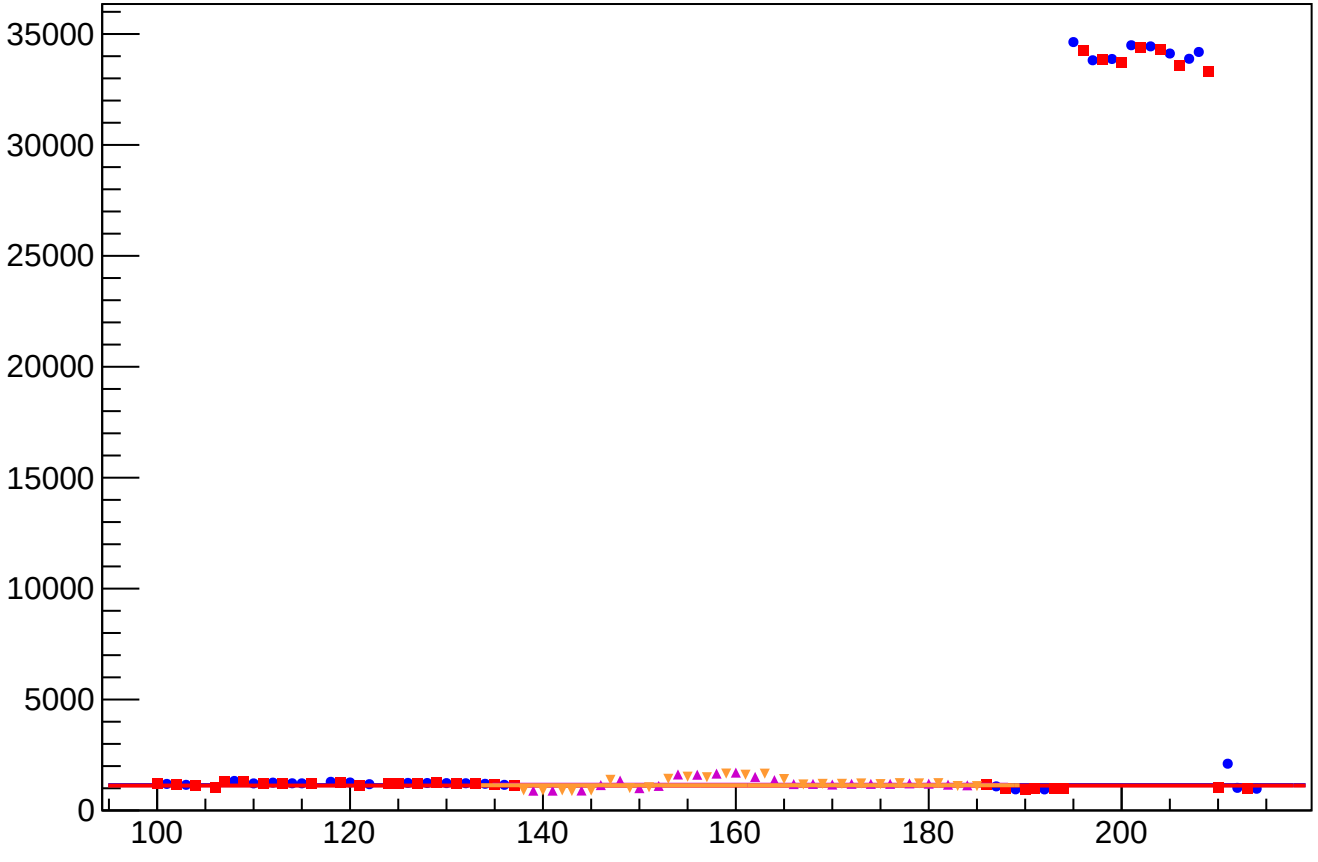
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 2.322+/-0.210 χ^2/NDF: 524.1/54

All: 1.405+/-0.147 χ^2/NDF: 2443.4/111

- sign 0.508+/-0.207 χ^2/NDF: 1881.5/56

diff_bpm0l06Y_rms vs Slug



Right In: 1142.696+/-0.243 χ^2/NDF: 13124208.9/29

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1122.118+/-0.222 χ^2/NDF: 11672349.9/33

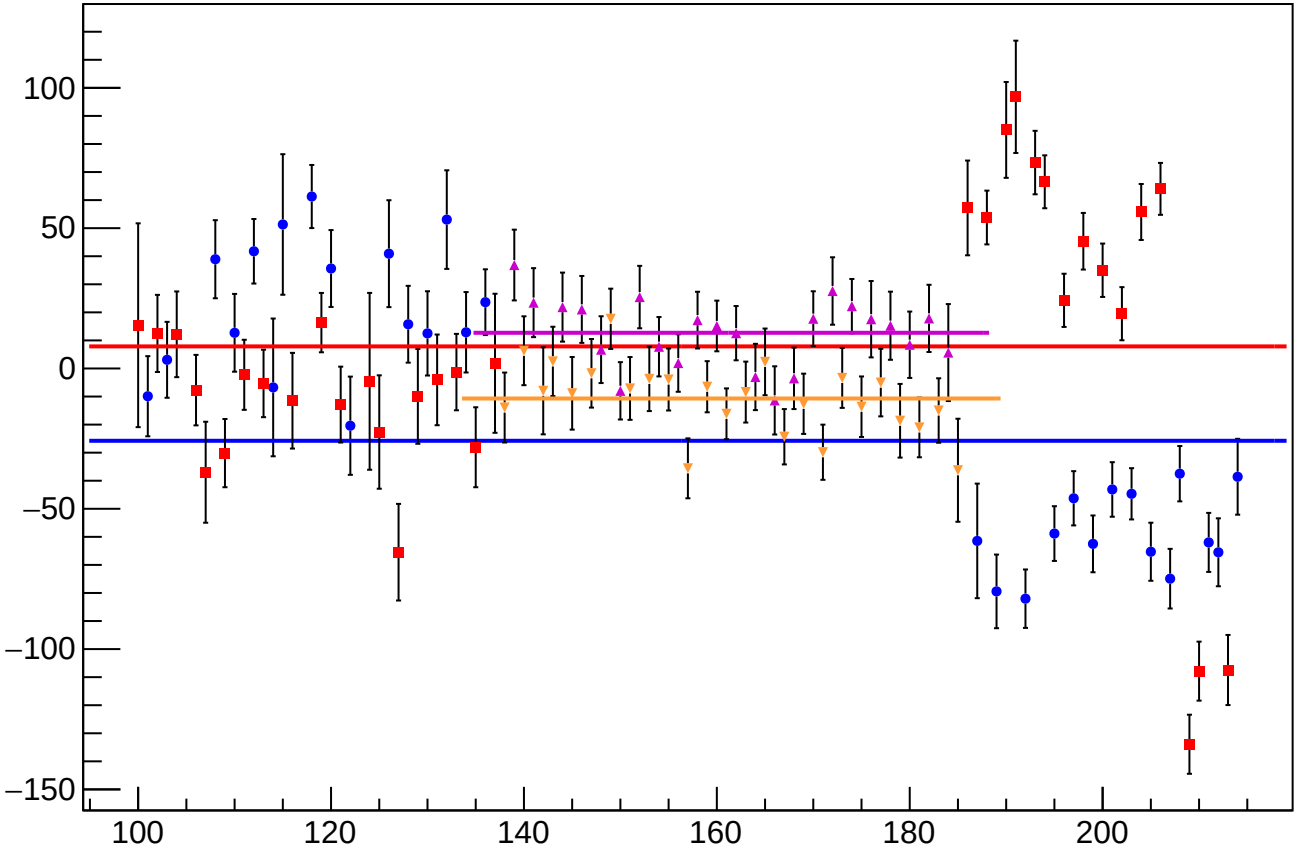
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1139.209+/-0.148 χ^2/NDF: 14594221.7/54

All: 1141.176+/-0.104 χ^2/NDF: 27542635.4/1

- sign 1143.101+/-0.147 χ^2/NDF: 12948065.7/56

diff_bpm0l07X_mean vs Slug



Right In: -25.768+/-2.254 χ^2/NDF: 379.5/29

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 7.869+/-2.169 χ^2/NDF: 671.0/33

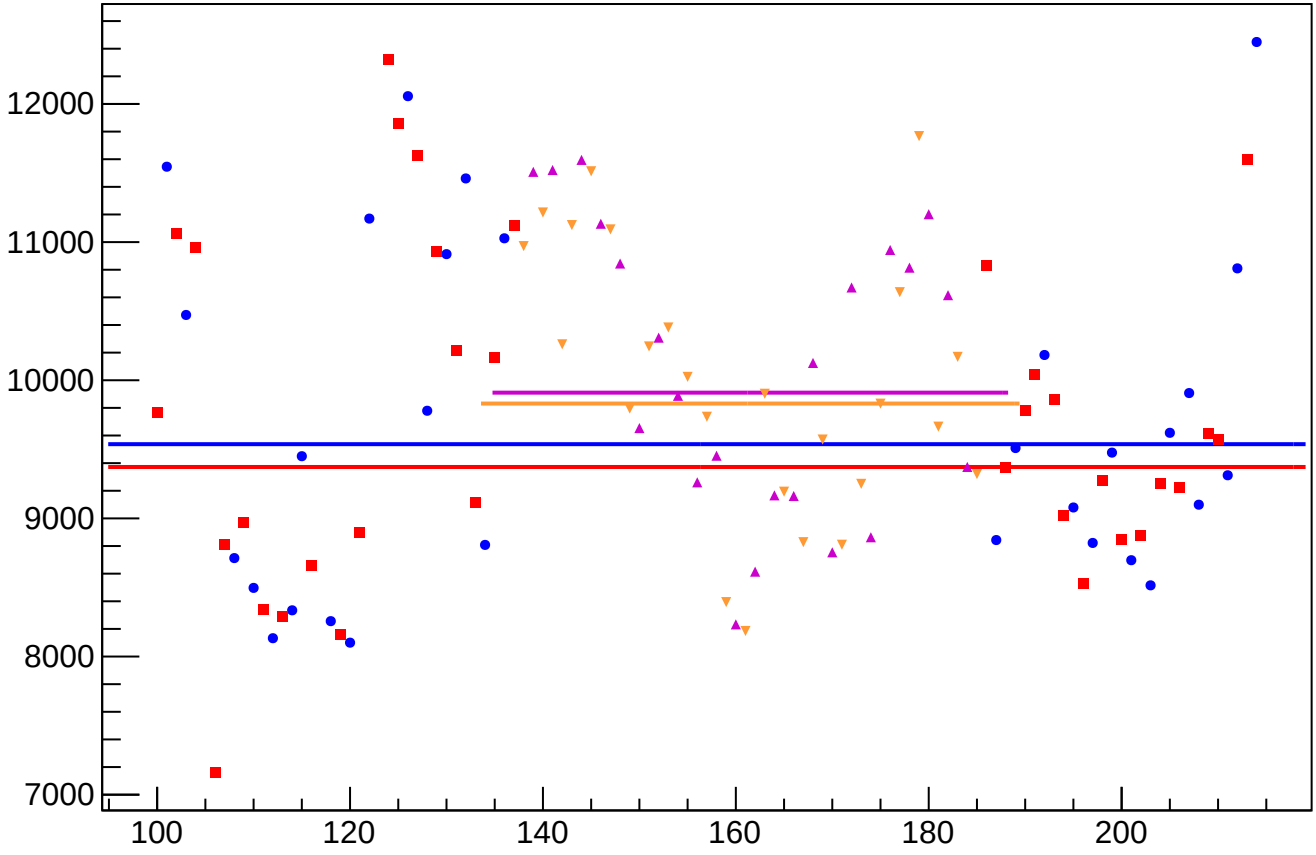
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -18.242+/-1.595 χ^2/NDF: 430.5/54

All: -4.030+/-1.126 χ^2/NDF: 1286.2/111

- sign 10.109+/-1.591 χ^2/NDF: 697.4/56

diff_bpm0l07X_rms vs Slug



Right In: 9537.286+/-1.594 χ^2/NDF: 469045.4/29

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9372.189+/-1.534 χ^2/NDF: 420103.2/33

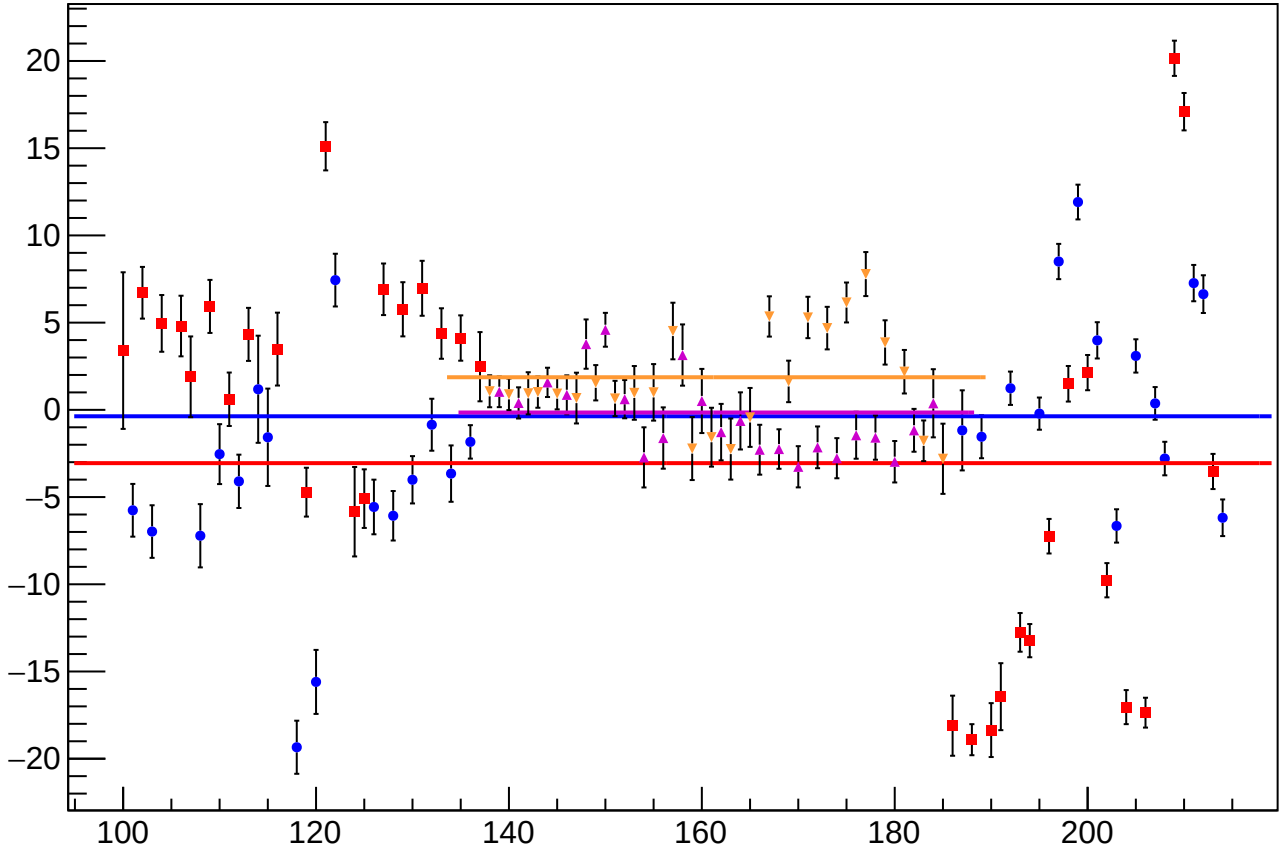
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9684.096+/-1.128 χ^2/NDF: 842159.5/54

All: 9652.330+/-0.796 χ^2/NDF: 1710085.6/11

- sign 9620.730+/-1.125 χ^2/NDF: 866343.8/56

diff_bpm0l07Y_mean vs Slug



Right In: -0.369+/-0.224 χ^2/NDF: 786.3/29

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -3.055+/-0.221 χ^2/NDF: 2736.4/33

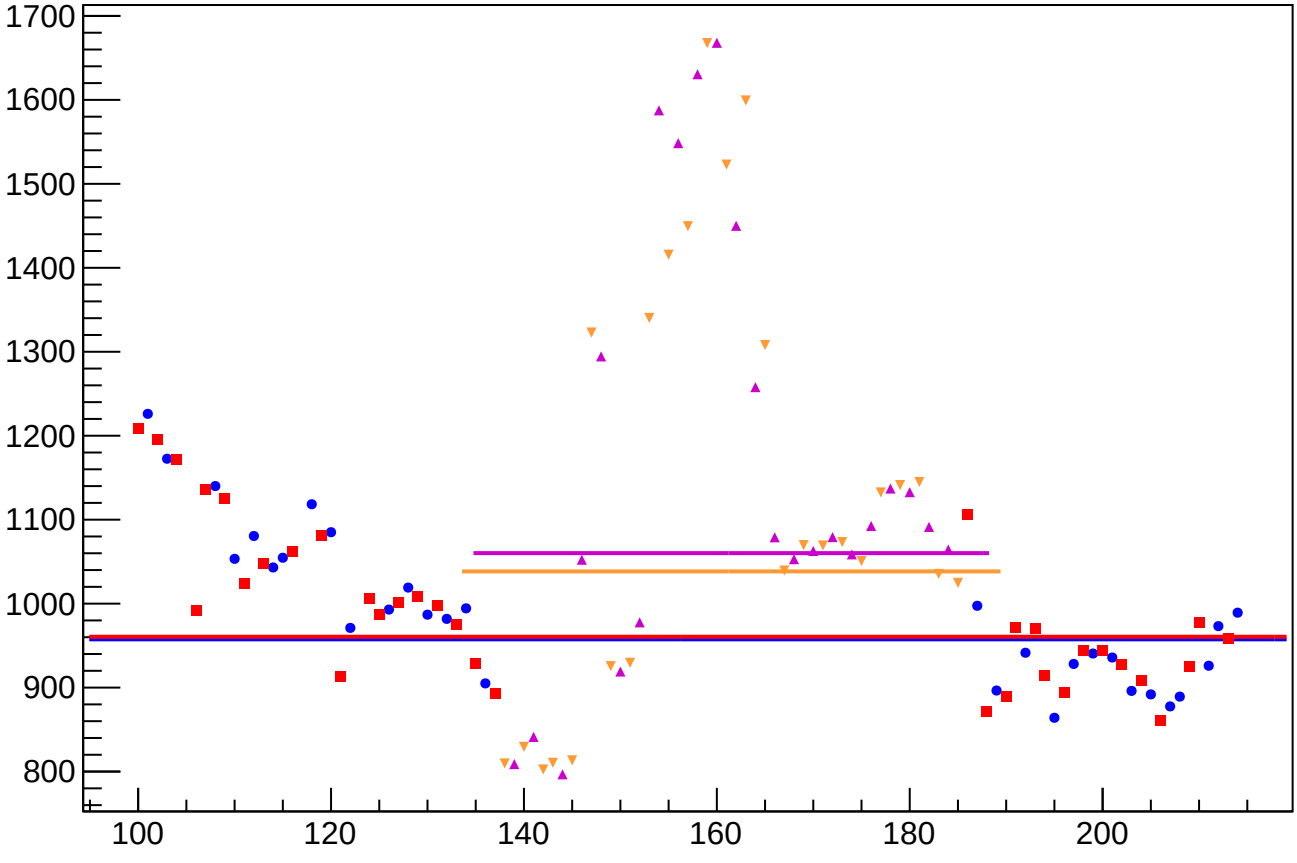
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.663+/-0.165 χ^2/NDF: 935.3/54

All: -0.558+/-0.117 χ^2/NDF: 3932.7/111

- sign -1.808+/-0.167 χ^2/NDF: 2886.3/56

diff_bpm0l07Y_rms vs Slug



Right In: 957.493+/-0.159 χ^2/NDF: 268907.7/29

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 960.568+/-0.156 χ^2/NDF: 258760.3/33

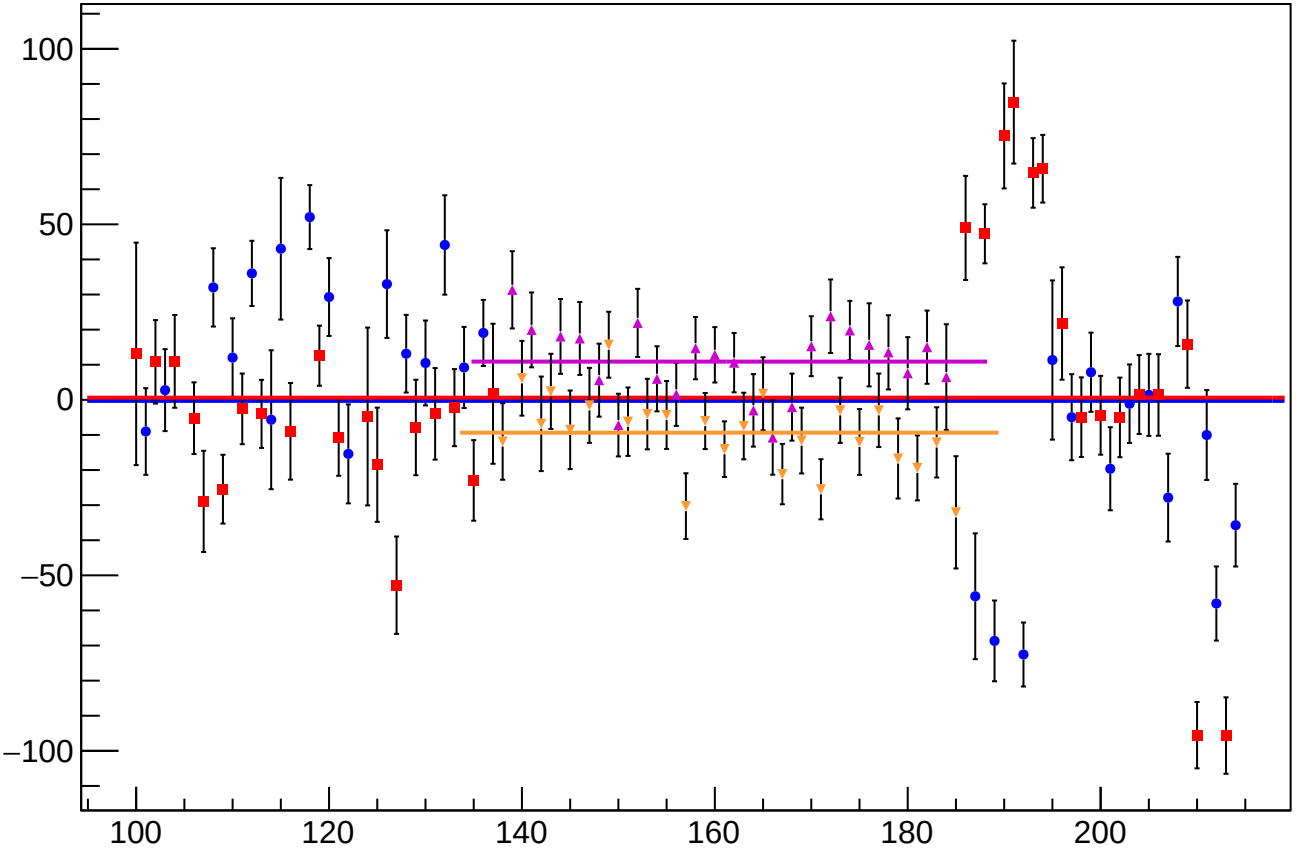
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 994.803+/-0.117 χ^2/NDF: 2095432.7/54

All: 999.021+/-0.083 χ^2/NDF: 4054828.7/11

- sign 1003.342+/-0.118 χ^2/NDF: 1956742.8/56

diff_bpm0l08X_mean vs Slug



Right In: -0.291+/-2.176 χ^2/NDF: 254.0/29

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 0.618+/-2.030 χ^2/NDF: 400.5/33

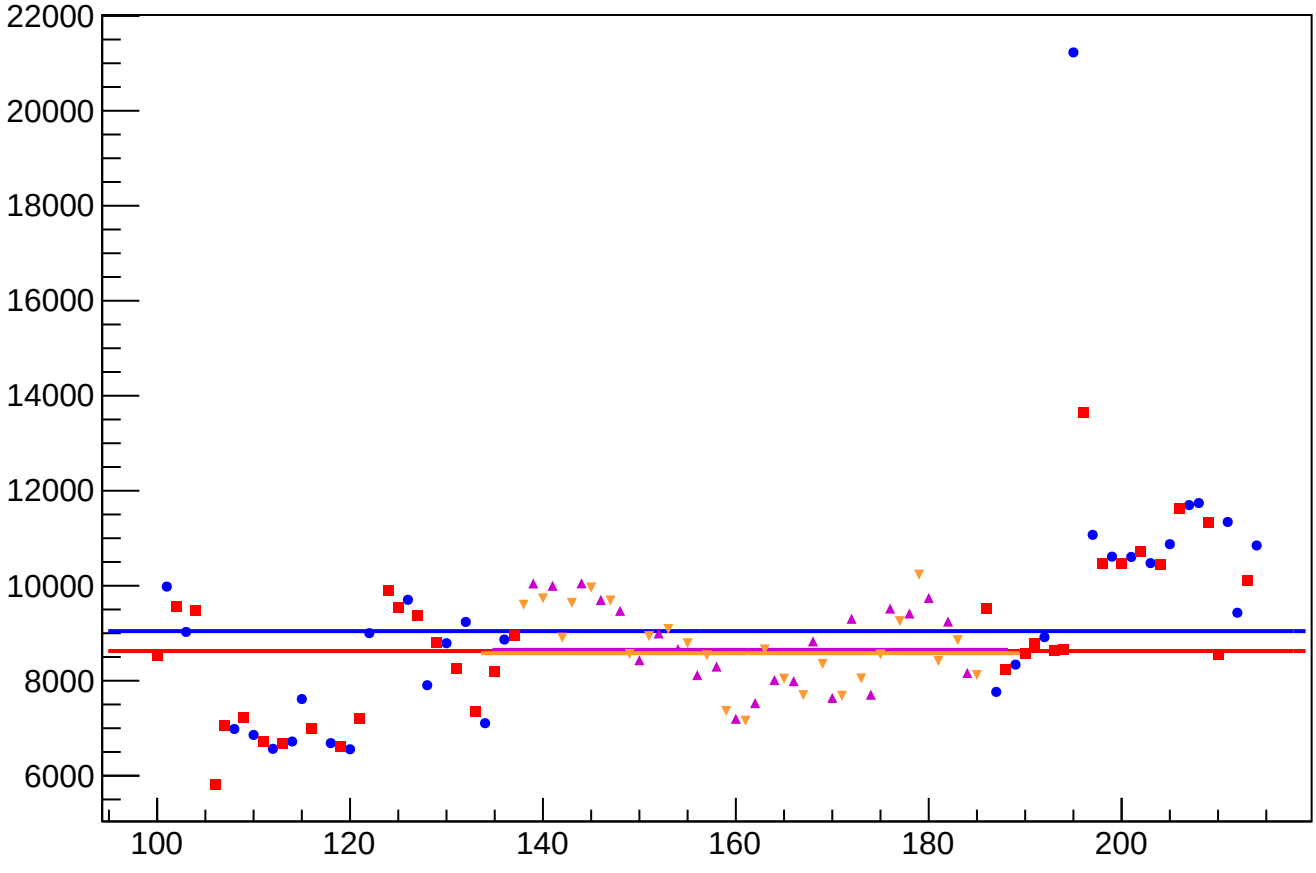
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -5.274+/-1.460 χ^2/NDF: 292.0/54

All: 0.301+/-1.025 χ^2/NDF: 757.6/111

- sign 5.722+/-1.440 χ^2/NDF: 436.8/56

diff_bpm0l08X_rms vs Slug



Right In: 9044.101+/-1.539 χ^2/NDF: 1753017.3/29

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8625.443+/-1.435 χ^2/NDF: 1311861.0/33

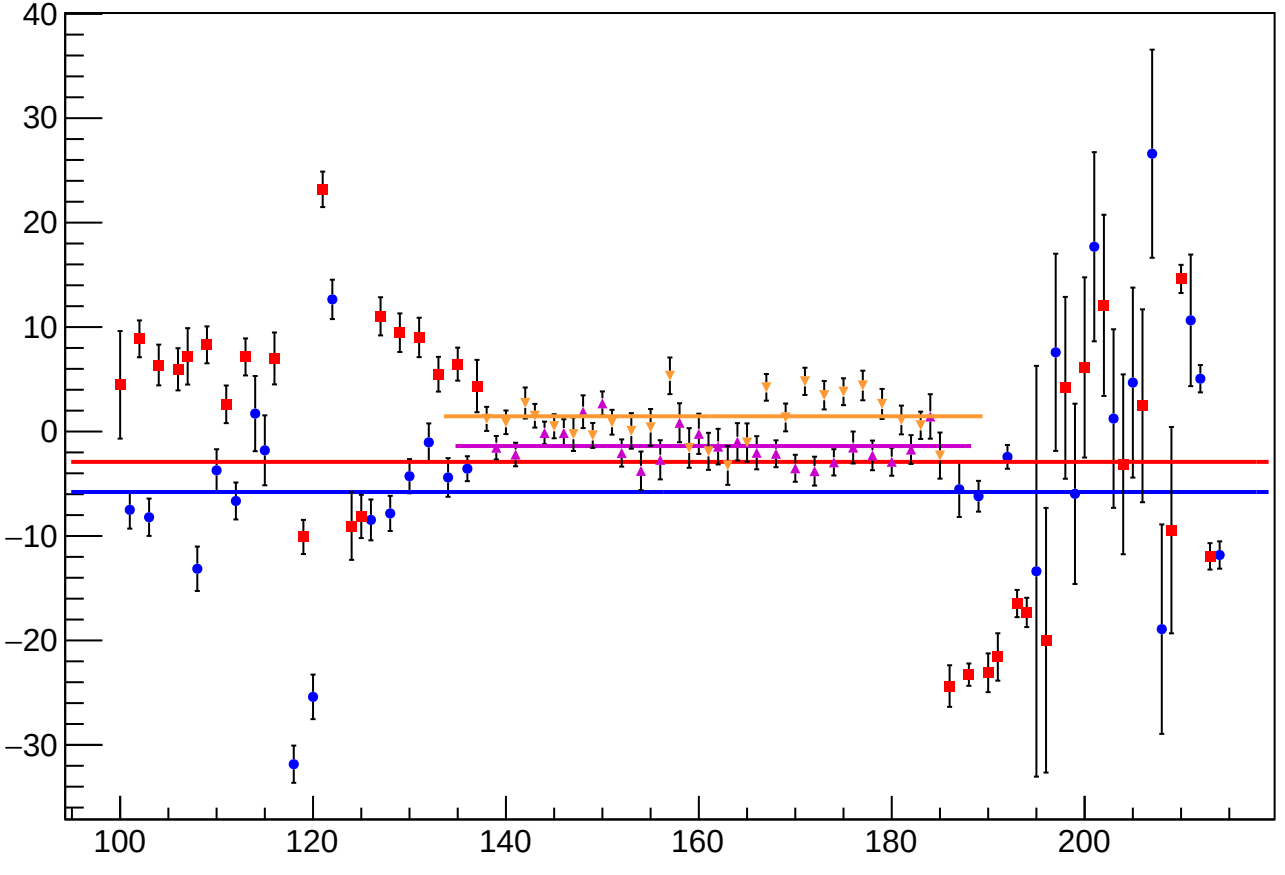
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8788.095+/-1.032 χ^2/NDF: 2147107.4/54

All: 8711.622+/-0.725 χ^2/NDF: 3847859.3/11

- sign 8637.262+/-1.018 χ^2/NDF: 1689929.5/56

diff_bpm0l08Y_mean vs Slug



Right In: -5.789+/-0.369 χ^2/NDF: 560.2/29

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -2.906+/-0.335 χ^2/NDF: 1783.8/33

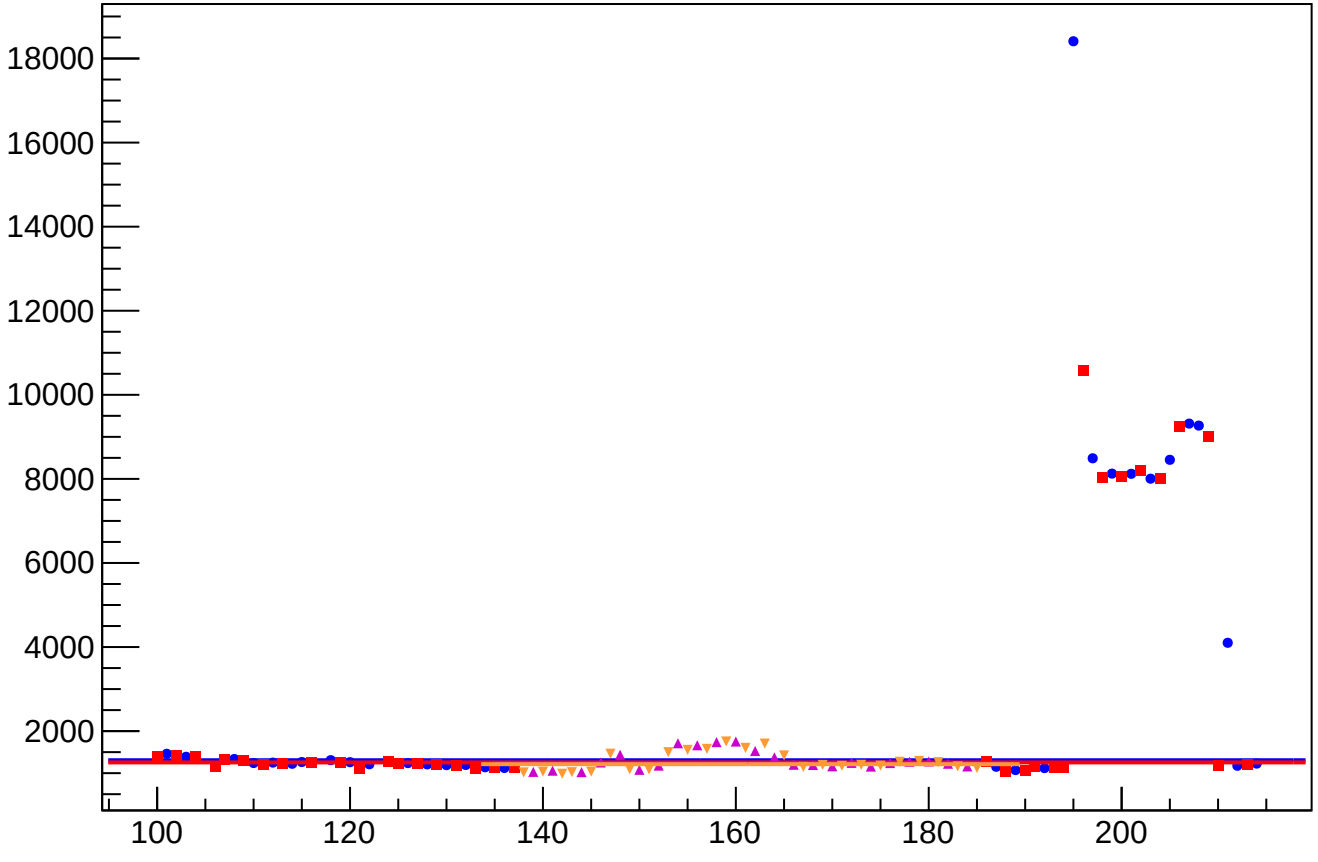
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.192+/-0.223 χ^2/NDF: 855.7/54

All: -1.626+/-0.157 χ^2/NDF: 2694.1/111

- sign -2.051+/-0.221 χ^2/NDF: 1830.9/56

diff_bpm0l08Y_rms vs Slug



Right In: 1307.270+/-0.261 χ^2/NDF: 10722592.1/29

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.546+/-0.237 χ^2/NDF: 9007429.6/33

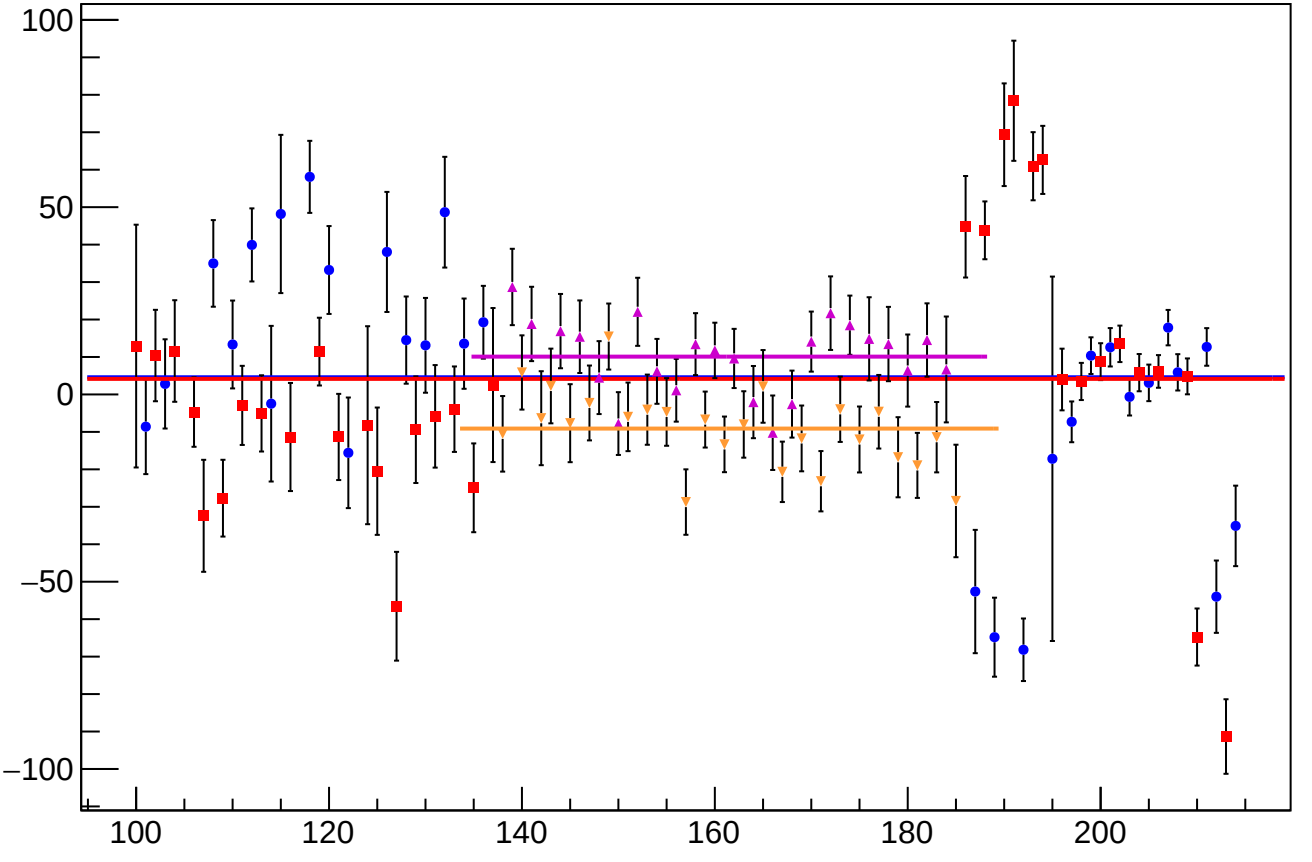
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1247.663+/-0.158 χ^2/NDF: 11817542.0/54

All: 1246.979+/-0.111 χ^2/NDF: 21713303.8/1

- sign 1246.311+/-0.156 χ^2/NDF: 9895724.7/56

diff_bpm0l09X_mean vs Slug



Right In: 4.584+/-1.451 χ^2/NDF: 284.4/29

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

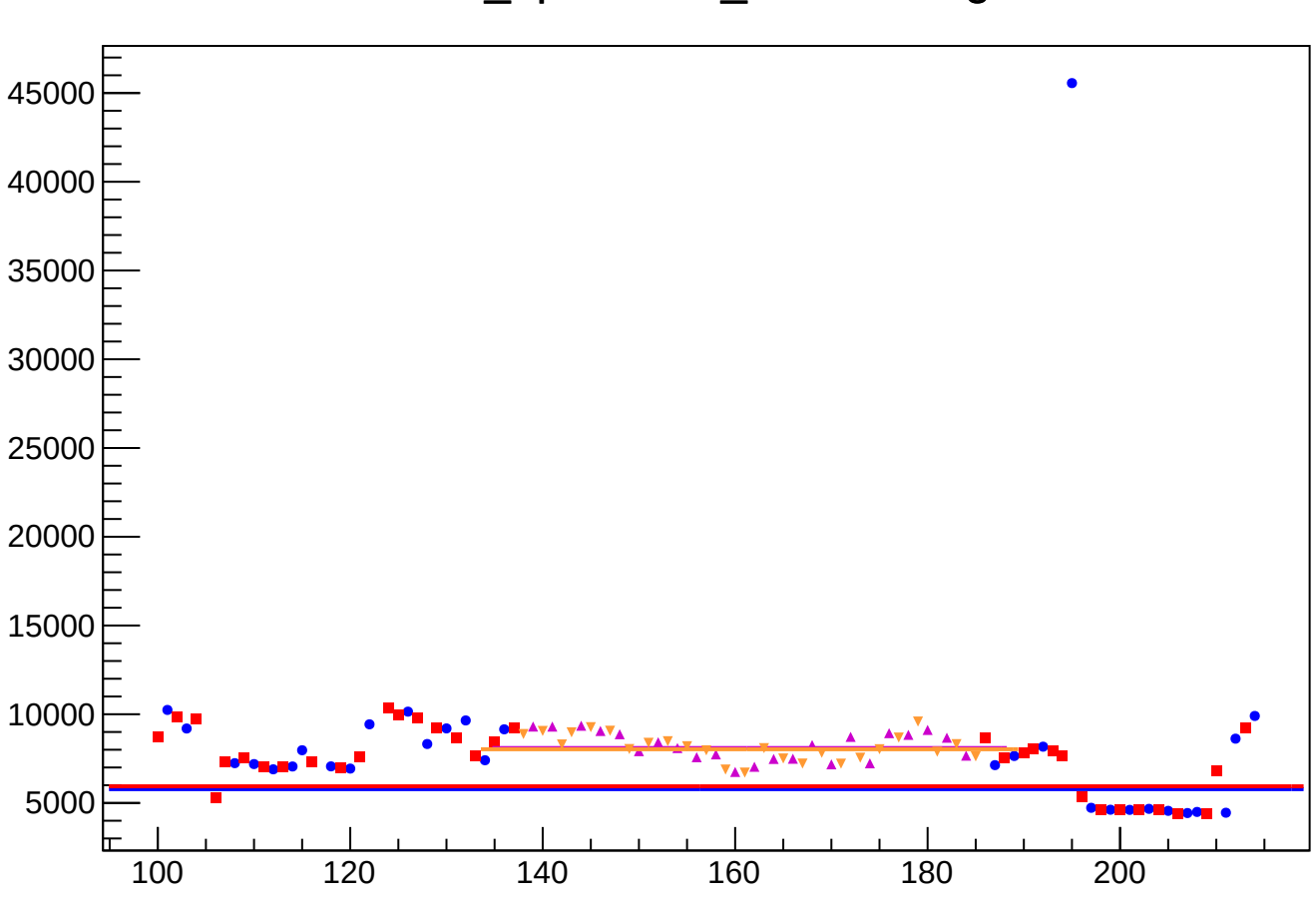
Right Out: 4.157+/-1.447 χ^2/NDF: 388.4/33

Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -0.659+/-1.140 χ^2/NDF: 347.2/54

All: 2.788+/-0.811 χ^2/NDF: 784.6/111

- sign 6.321+/-1.154 χ^2/NDF: 418.8/56



Right In: 5780.530+/-1.026 χ^2/NDF: 4515033.8/29

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5939.201+/-1.024 χ^2/NDF: 2976648.0/33

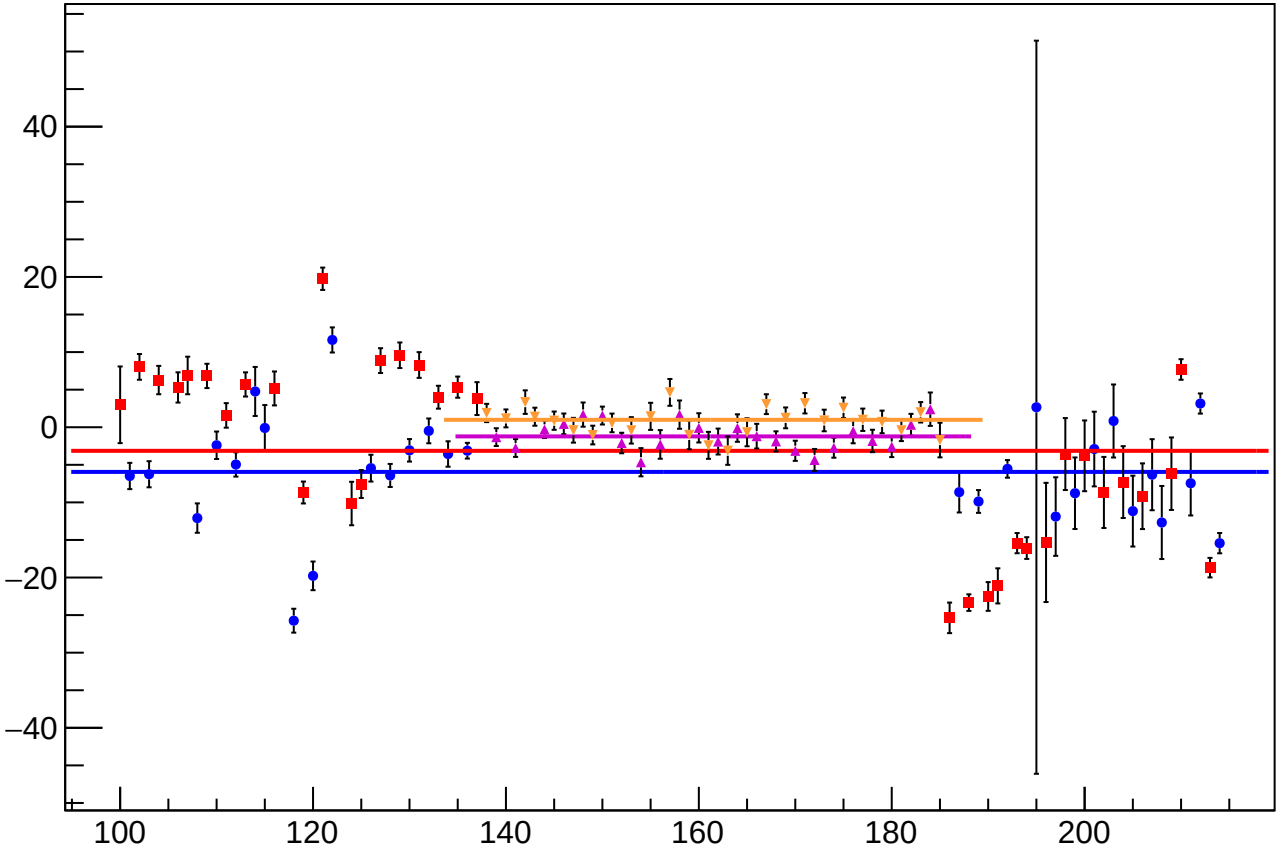
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6640.820+/-0.806 χ^2/NDF: 6684409.9/54

All: 6682.448+/-0.573 χ^2/NDF: 11651513.0/1

- sign 6725.105+/-0.816 χ^2/NDF: 4961702.6/56

diff_bpm0l09Y_mean vs Slug



Right In: -5.944+/-0.345 χ^2/NDF: 481.4/29

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

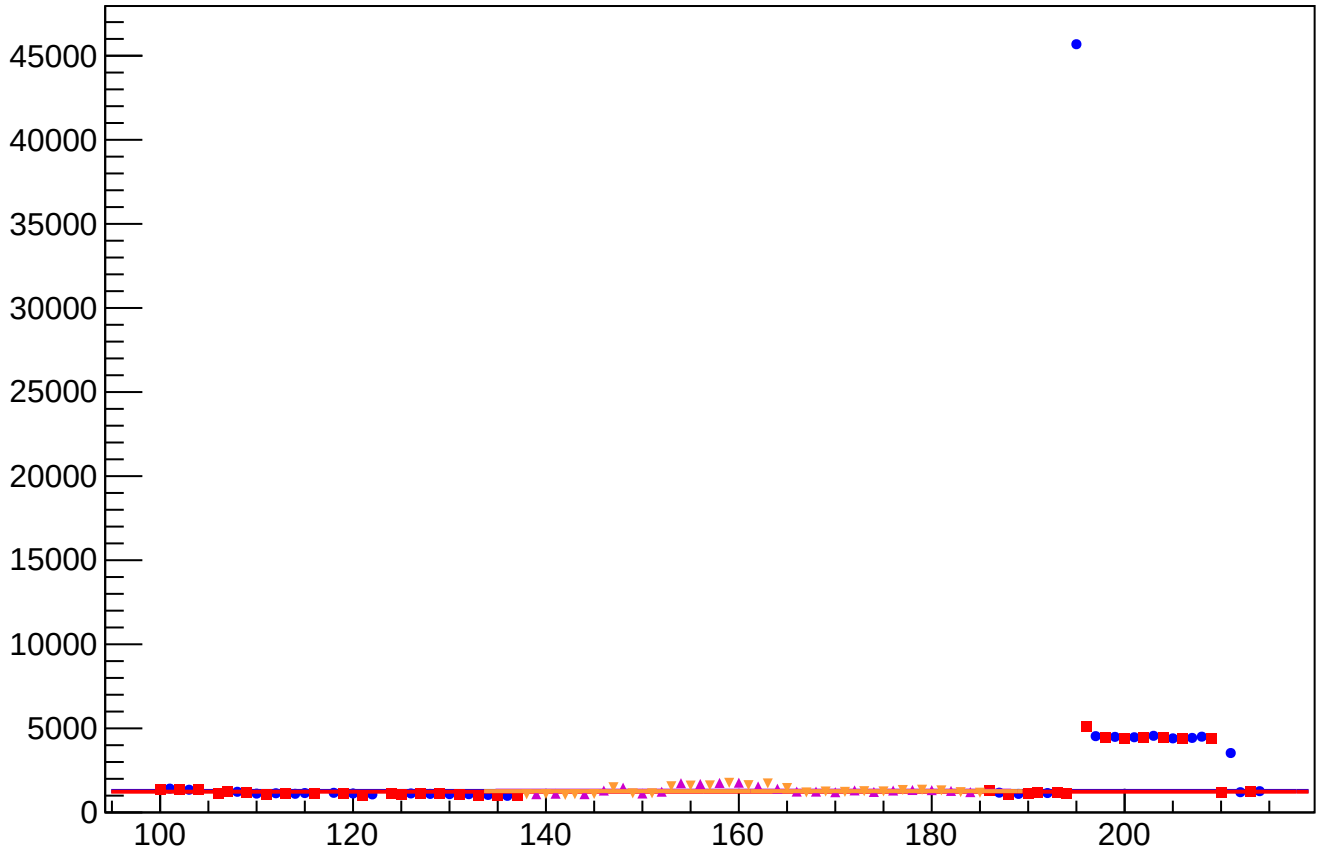
Right Out: -3.139+/-0.318 χ^2/NDF: 1671.1/33

Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.909+/-0.223 χ^2/NDF: 747.4/54

All: -2.028+/-0.157 χ^2/NDF: 2471.1/111

- sign -2.145+/-0.221 χ^2/NDF: 1723.1/56



Right In: 1279.371+/-0.244 χ^2/NDF: 8746718.3/29

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1235.166+/-0.225 χ^2/NDF: 6403082.9/33

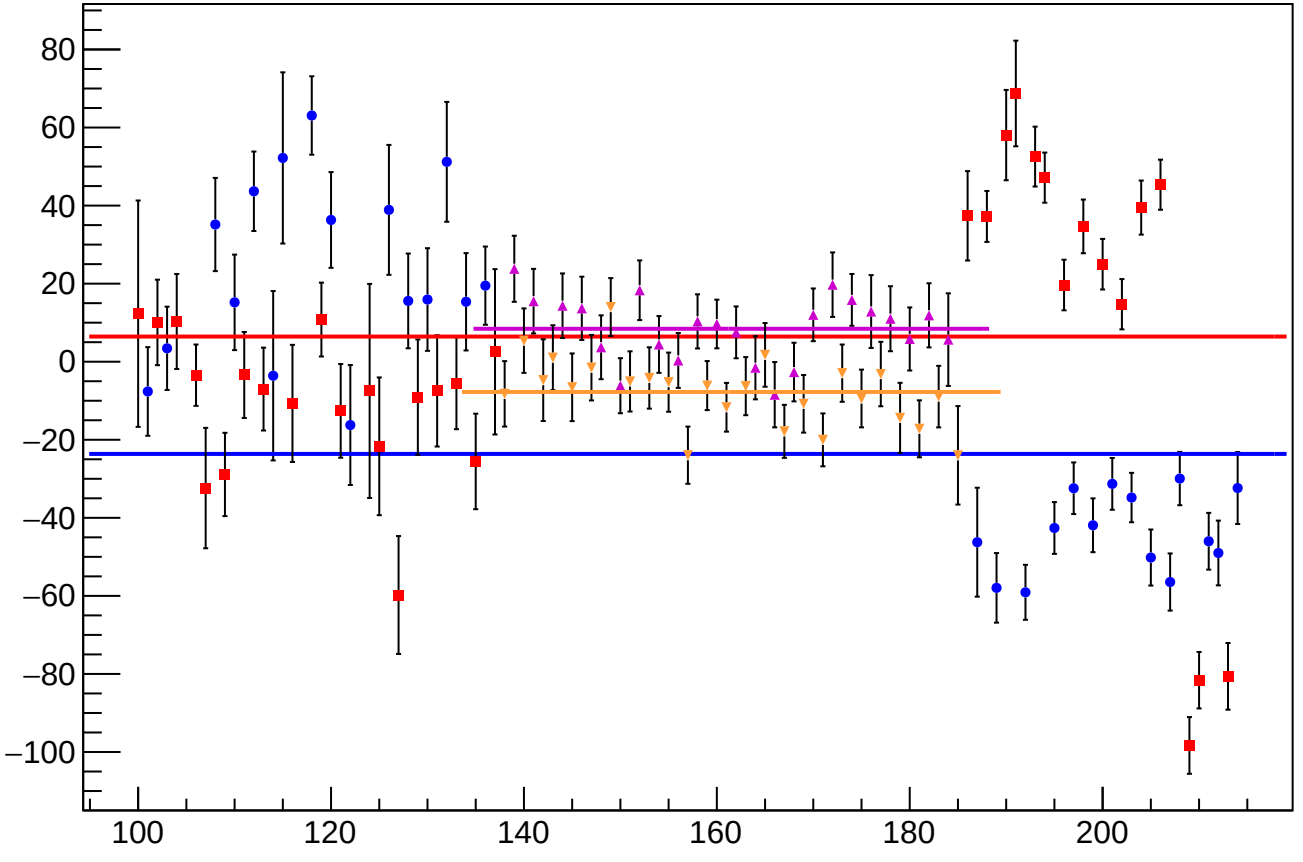
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1272.406+/-0.158 χ^2/NDF: 9626550.4/54

All: 1269.001+/-0.111 χ^2/NDF: 16824358.9/1

- sign 1265.670+/-0.156 χ^2/NDF: 7196886.3/56

diff_bpm0l10X_mean vs Slug



Right In: -23.626+/-1.670 χ^2/NDF: 402.0/29

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 6.446+/-1.592 χ^2/NDF: 754.6/33

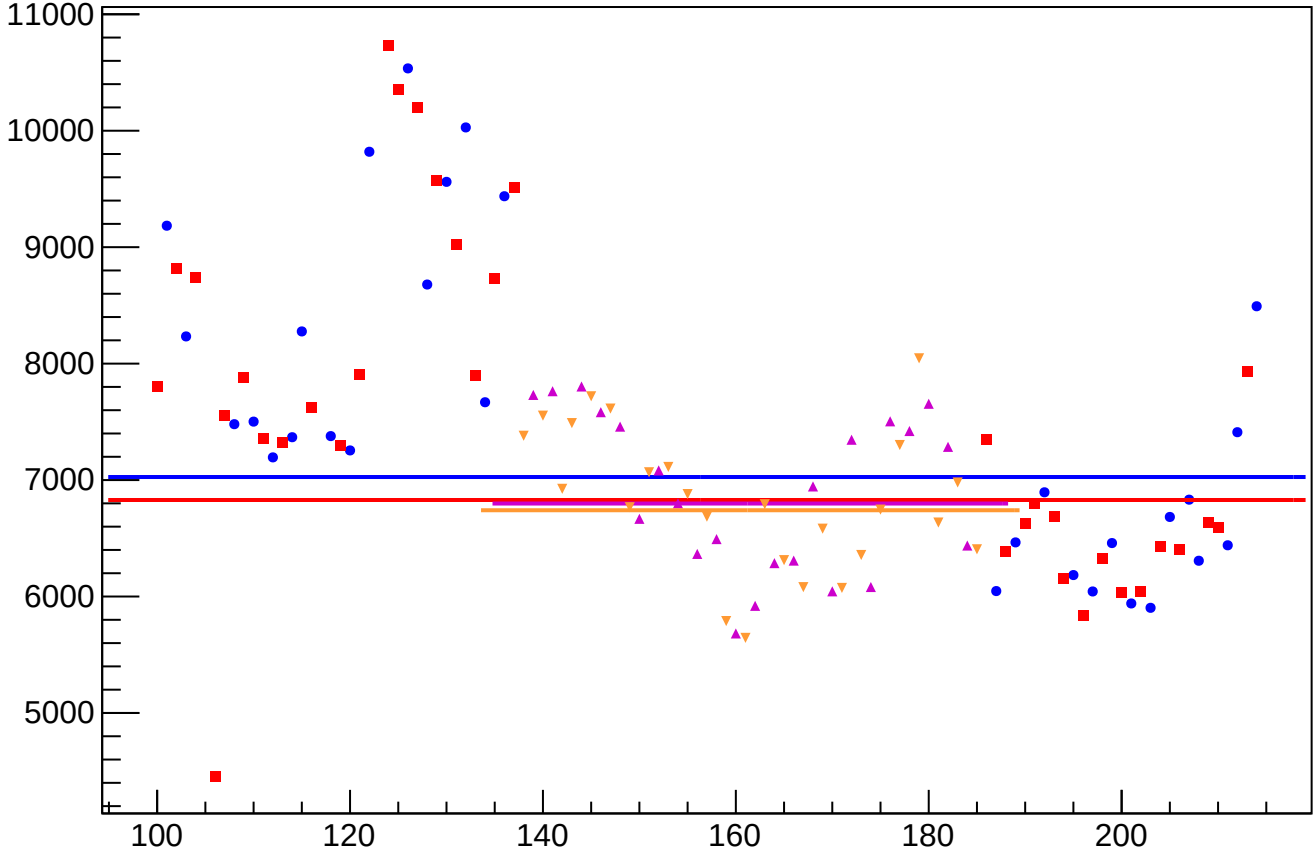
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -15.080+/-1.135 χ^2/NDF: 481.0/54

All: -3.777+/-0.801 χ^2/NDF: 1458.9/111

- sign 7.434+/-1.130 χ^2/NDF: 780.2/56

diff_bpm0l10X_rms vs Slug



Right In: 7026.270+/-1.181 χ^2/NDF: 899274.0/29

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6828.877+/-1.126 χ^2/NDF: 998668.6/33

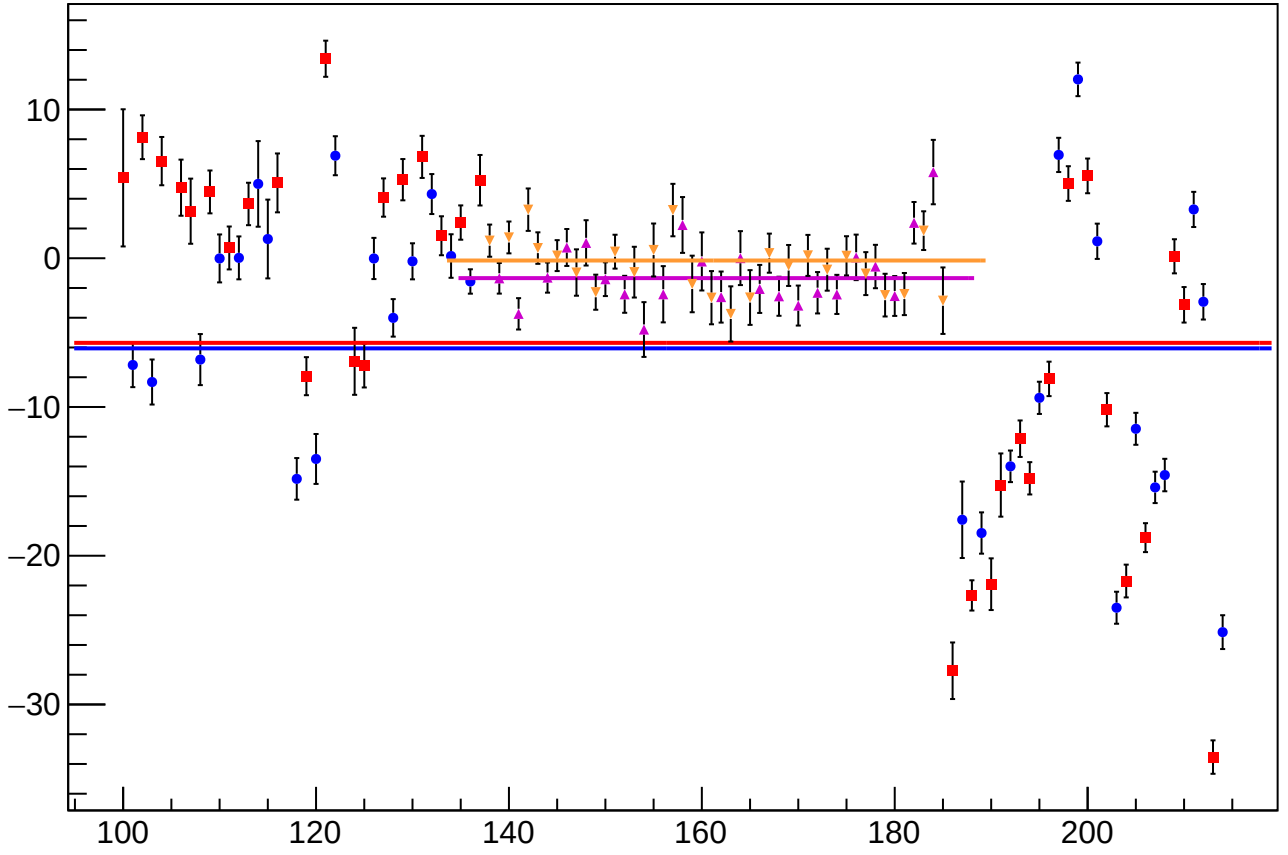
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6872.609+/-0.802 χ^2/NDF: 1247430.5/54

All: 6843.094+/-0.566 χ^2/NDF: 2602432.2/11

- sign 6813.821+/-0.799 χ^2/NDF: 1352306.9/56

diff_bpm0l10Y_mean vs Slug



Right In: -6.060+/-0.233 χ^2/NDF: 1731.3/29

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -5.689+/-0.231 χ^2/NDF: 2762.2/33

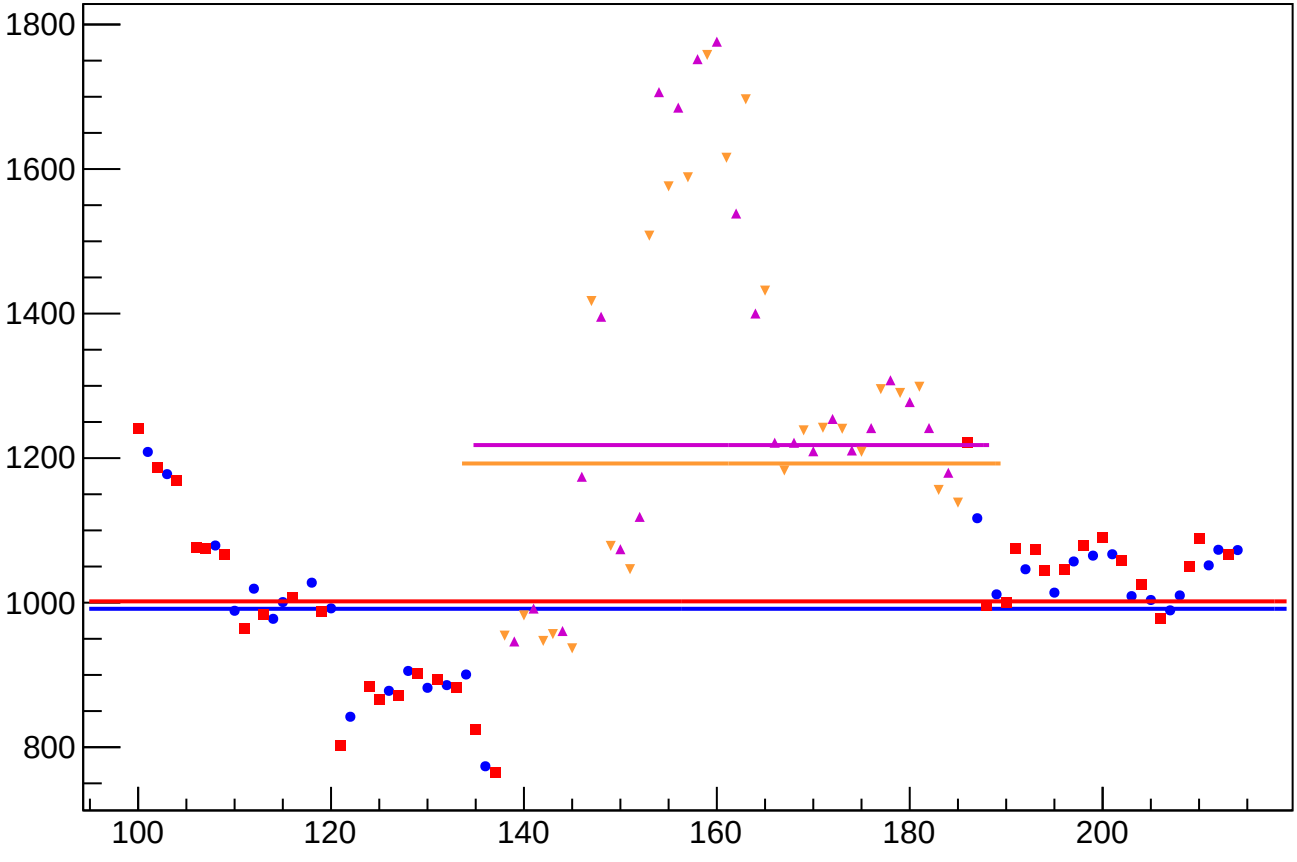
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -3.612+/-0.178 χ^2/NDF: 2034.3/54

All: -3.805+/-0.127 χ^2/NDF: 4980.8/111

- sign -4.003+/-0.181 χ^2/NDF: 2944.1/56

diff_bpm0l10Y_rms vs Slug



Right In: 991.517+/-0.165 χ^2/NDF: 366962.2/29

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 1001.794+/-0.163 χ^2/NDF: 382239.8/33

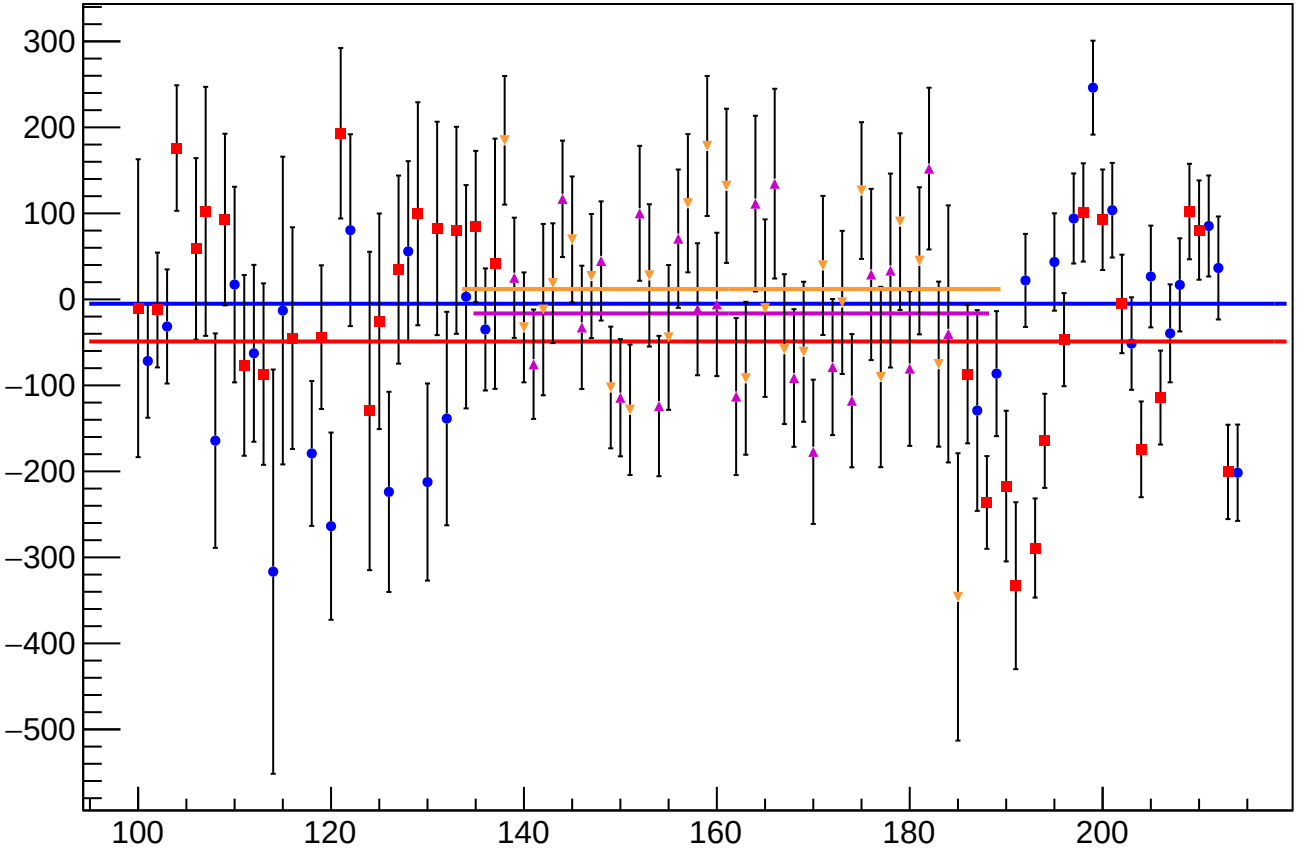
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1074.819+/-0.126 χ^2/NDF: 2305624.8/54

All: 1080.108+/-0.090 χ^2/NDF: 4500128.4/11

- sign 1085.544+/-0.128 χ^2/NDF: 2190926.9/56

diff_bpm0r03X_mean vs Slug



Right In: -5.064+/-13.215 χ^2/NDF: 72.6/29

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

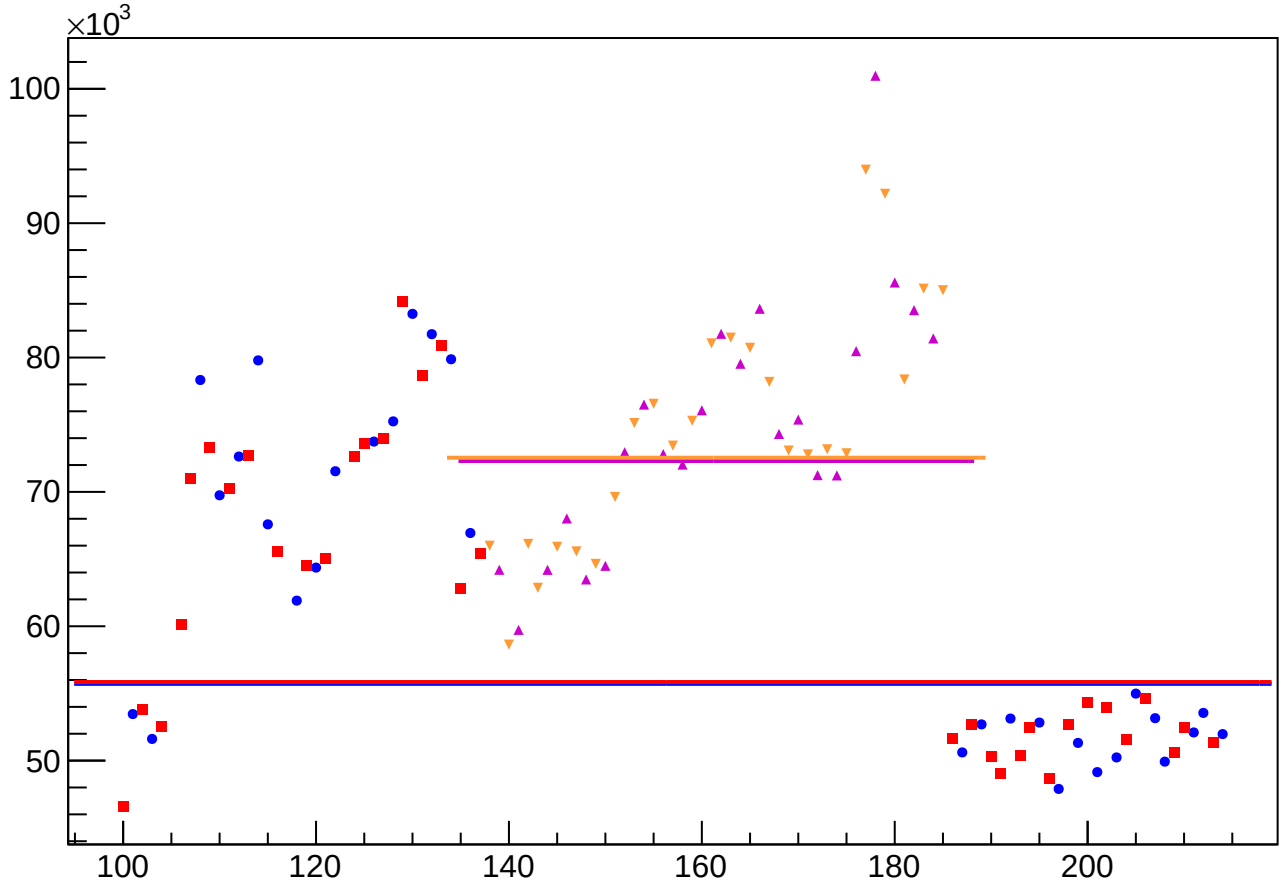
Right Out: -48.943+/-12.970 χ^2/NDF: 113.5/33

Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 1.583+/-10.341 χ^2/NDF: 106.1/54

All: -17.737+/-7.303 χ^2/NDF: 257.6/111

- sign -36.963+/-10.316 χ^2/NDF: 144.5/56



Right In: 55713.243+/-9.345 χ^2/NDF: 864063.3/29

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 55849.577+/-9.171 χ^2/NDF: 770504.2/33

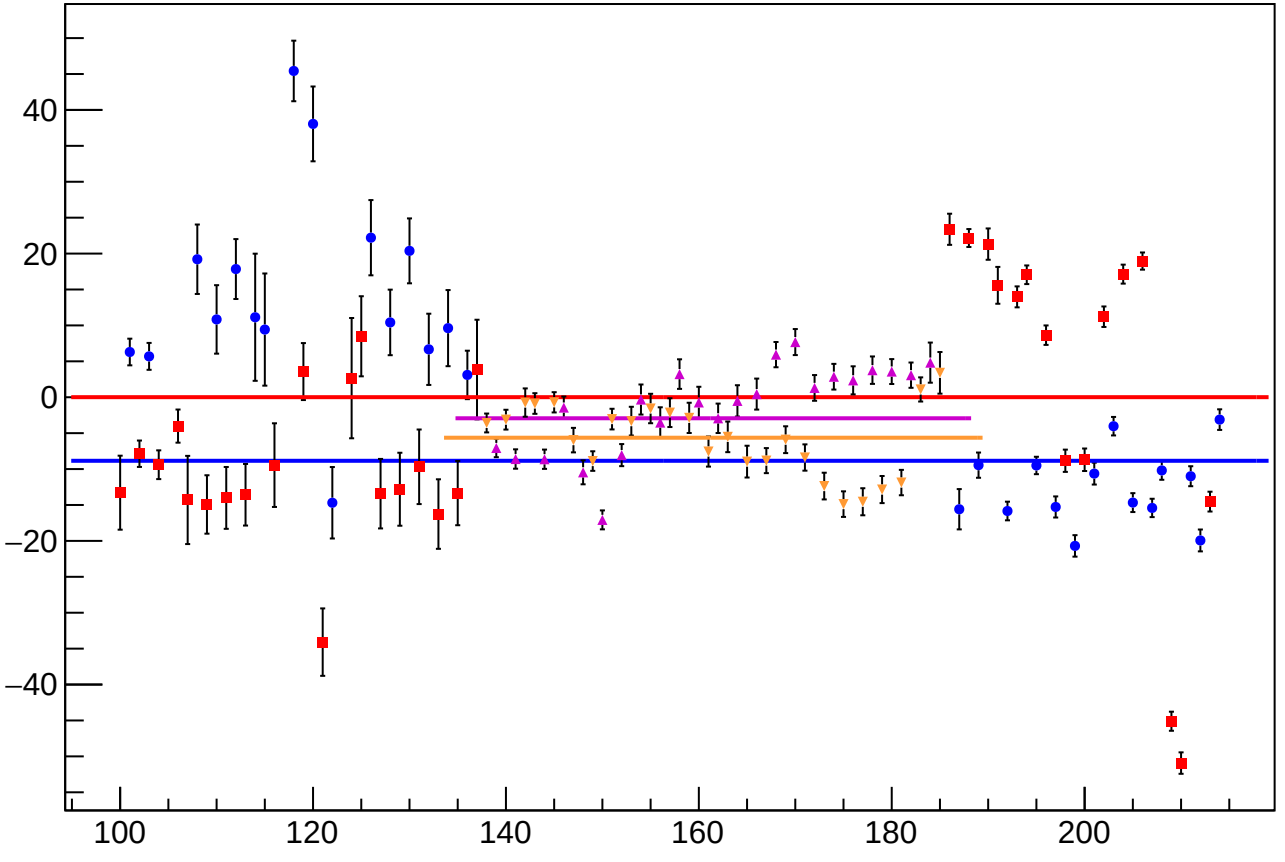
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 62238.526+/-7.312 χ^2/NDF: 2621876.0/54

All: 62066.030+/-5.164 χ^2/NDF: 5064524.1/1

- sign 61894.375+/-7.294 χ^2/NDF: 2441537.8/56

diff_bpm0r03Y_mean vs Slug



Right In: -8.848+/-0.352 χ^2/NDF: 857.6/29

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 0.009+/-0.346 χ^2/NDF: 4029.0/33

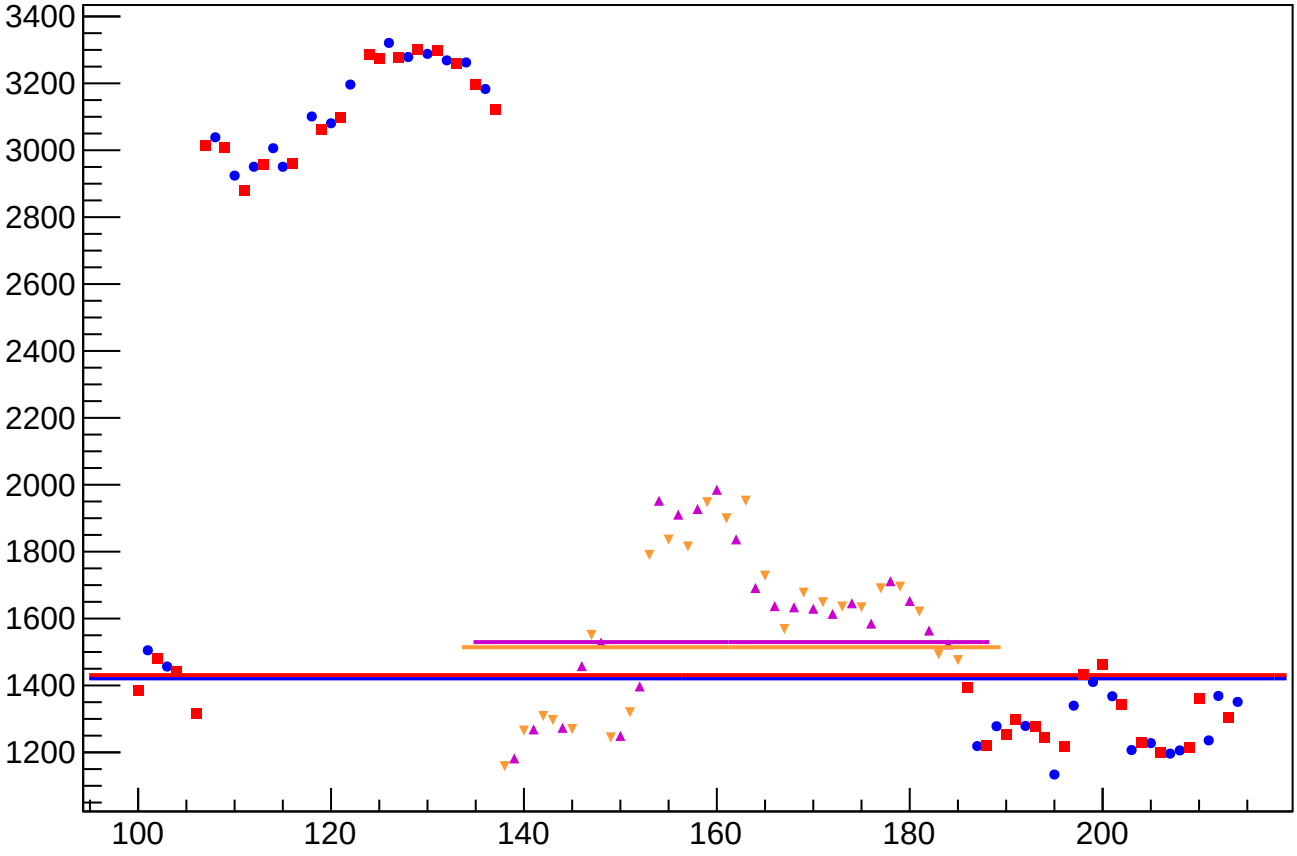
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -7.228+/-0.248 χ^2/NDF: 1077.7/54

All: -4.339+/-0.176 χ^2/NDF: 5752.7/111

- sign -1.393+/-0.250 χ^2/NDF: 4400.8/56

diff_bpm0r03Y_rms vs Slug



Right In: 1421.148+/-0.249 χ^2/NDF: 4040731.1/29

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

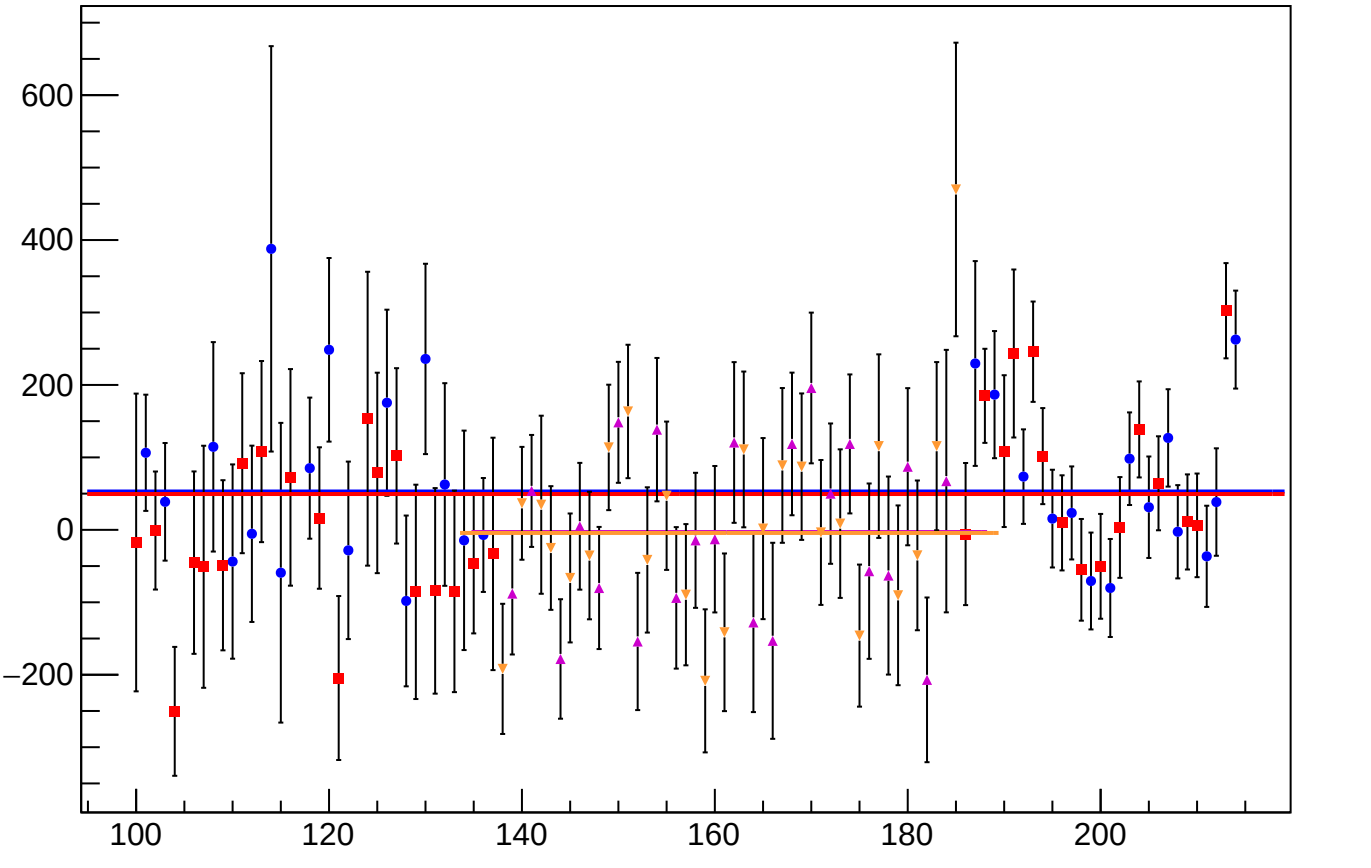
Right Out: 1430.880+/-0.245 χ^2/NDF: 3895881.0/33

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1468.155+/-0.175 χ^2/NDF: 5044709.9/54

All: 1473.045+/-0.125 χ^2/NDF: 9848303.3/11

- sign 1478.031+/-0.177 χ^2/NDF: 4802021.7/56



Right In: 52.920+/-15.747 χ^2/NDF: 37.0/29

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

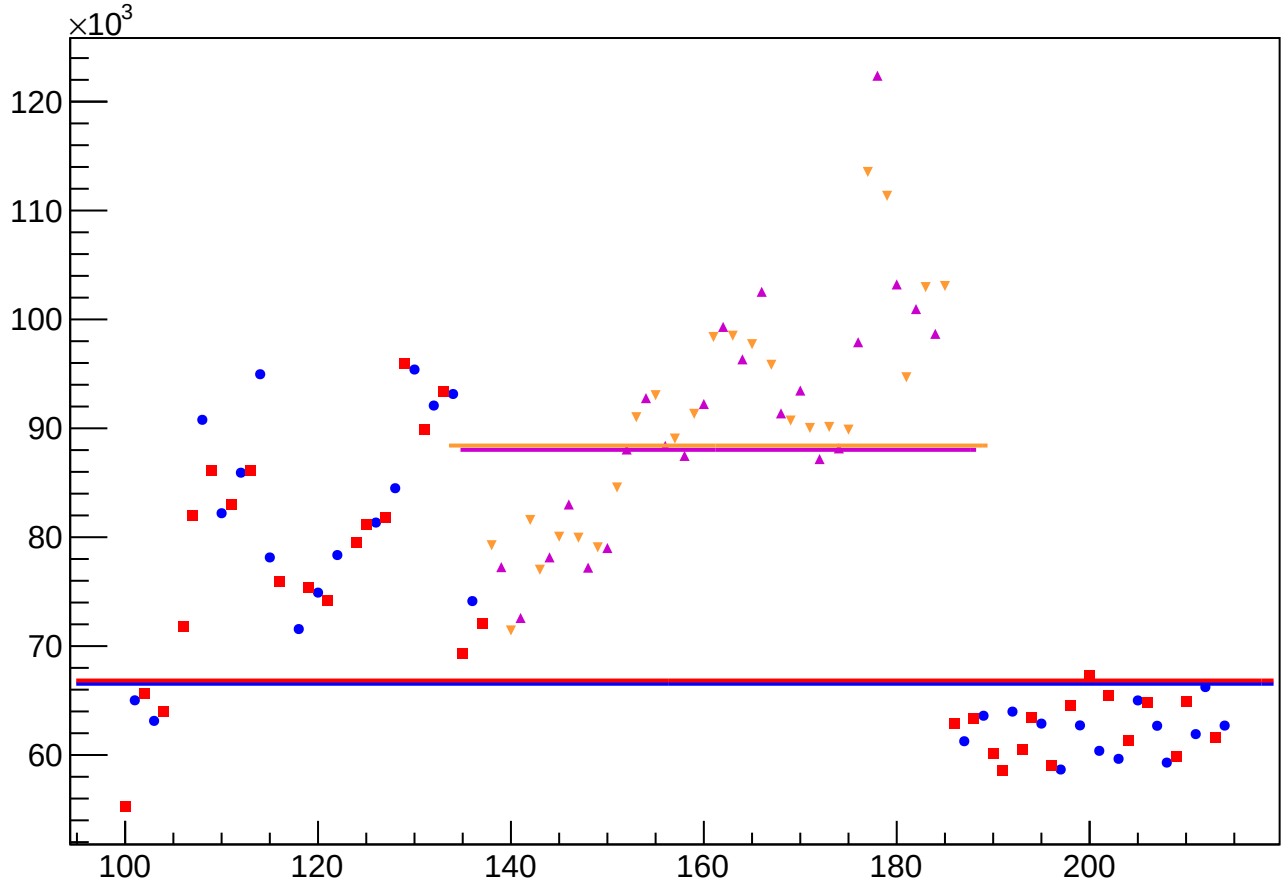
Right Out: 49.445+/-15.493 χ^2/NDF: 62.2/33

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 31.355+/-12.428 χ^2/NDF: 72.4/54

All: 30.993+/-8.781 χ^2/NDF: 169.4/111

- sign 30.632+/-12.408 χ^2/NDF: 97.0/56



Right In: 66543.956+/-11.135 χ^2/NDF: 653404.8/29

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 66838.189+/-10.955 χ^2/NDF: 595089.4/33

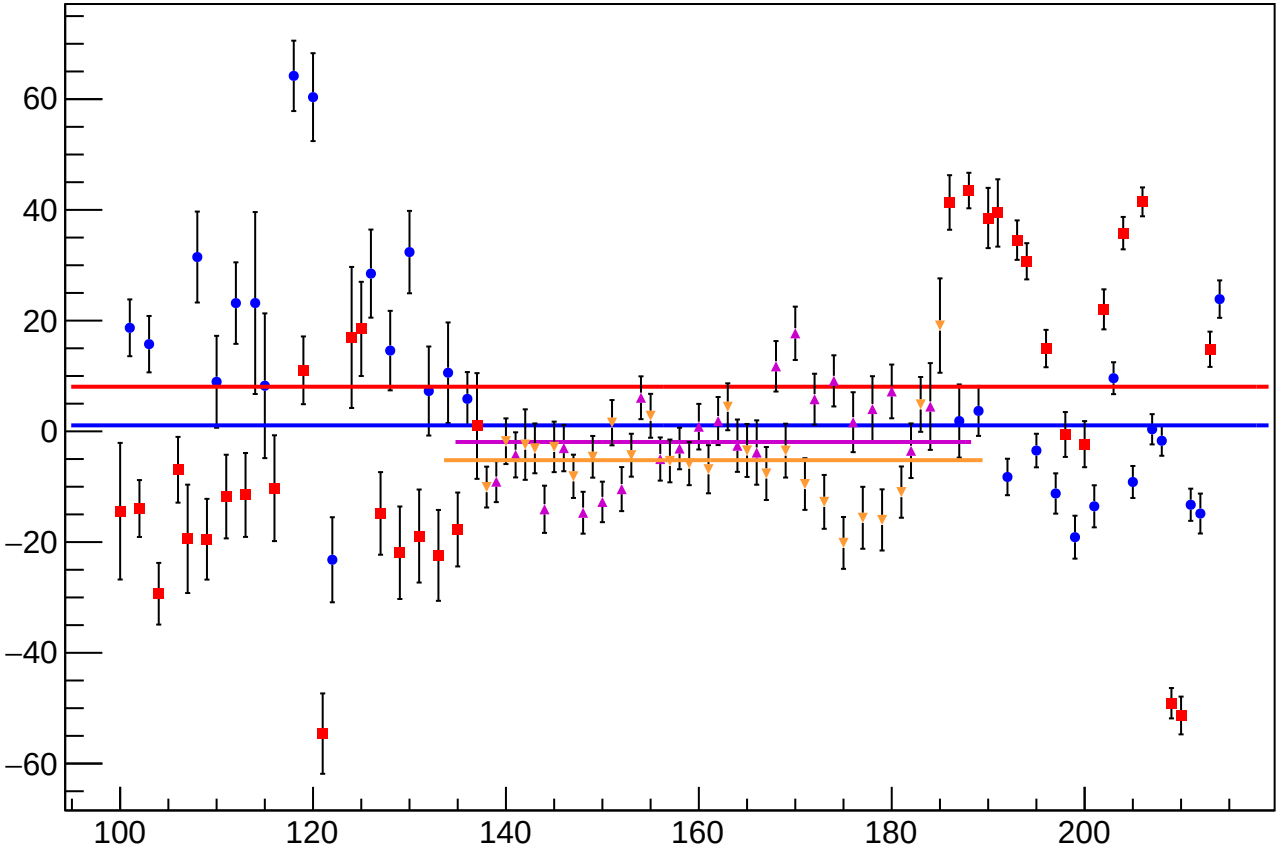
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 74791.732+/-8.788 χ^2/NDF: 2590526.0/54

All: 74613.279+/-6.209 χ^2/NDF: 5012339.1/1

- sign 74435.416+/-8.774 χ^2/NDF: 2420989.8/56

diff_bpm0r05Y_mean vs Slug



Right In: 1.082+/-0.792 χ^2/NDF: 421.6/29

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

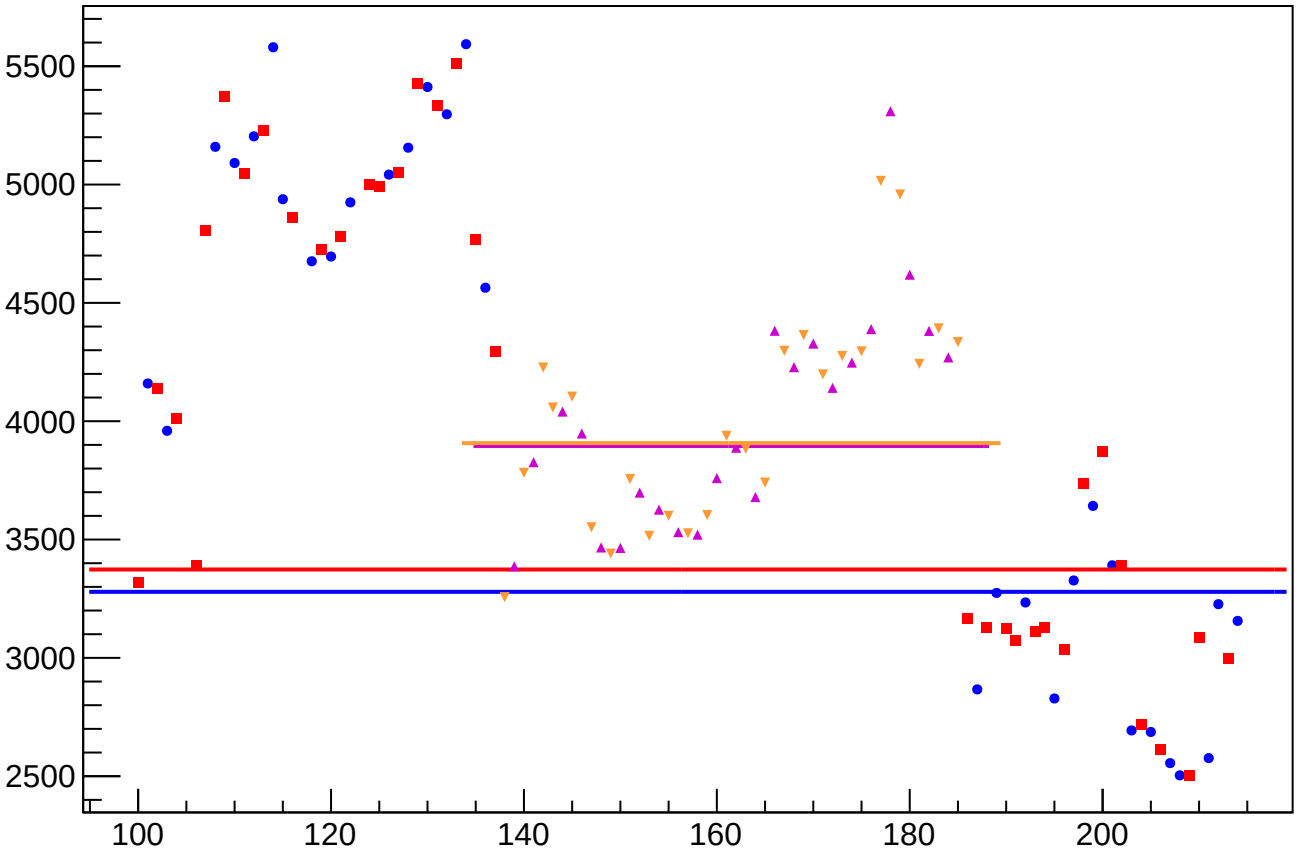
Right Out: 8.061+/-0.796 χ^2/NDF: 1605.9/33

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

\+ sign -1.685+/-0.593 χ^2/NDF: 500.3/54

All: 1.002+/-0.422 χ^2/NDF: 2298.8/111

\- sign 3.764+/-0.601 χ^2/NDF: 1756.8/56



Right In: 3279.069+/-0.560 χ^2/NDF: 2213313.9/29

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3373.410+/-0.563 χ^2/NDF: 2004335.5/33

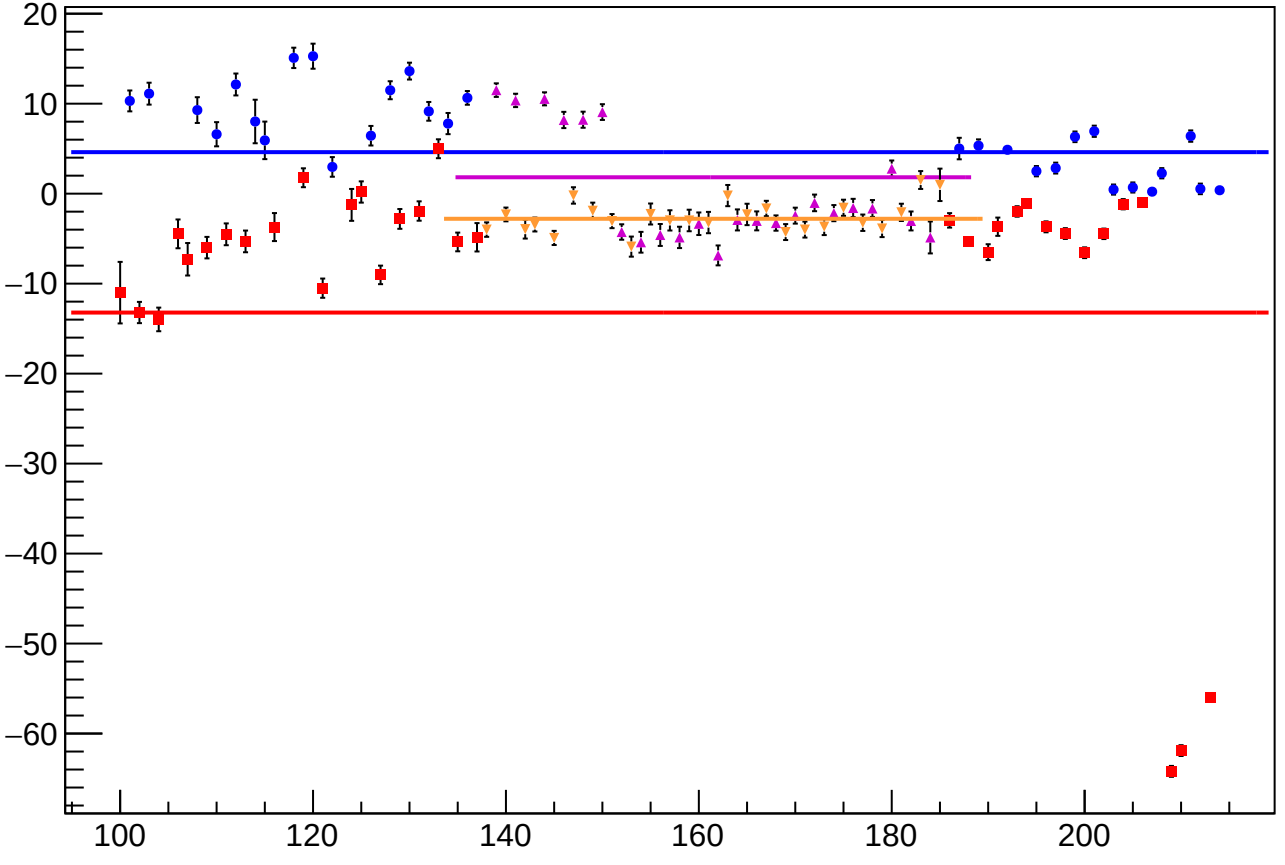
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3555.603+/-0.419 χ^2/NDF: 3208009.4/54

All: 3576.487+/-0.298 χ^2/NDF: 5996592.9/11

- sign 3597.952+/-0.425 χ^2/NDF: 2783552.5/56

diff_bpm2i01X_mean vs Slug



Right In: 4.613+/-0.140 χ^2/NDF: 827.6/29

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -13.215+/-0.137 χ^2/NDF: 24347.6/33

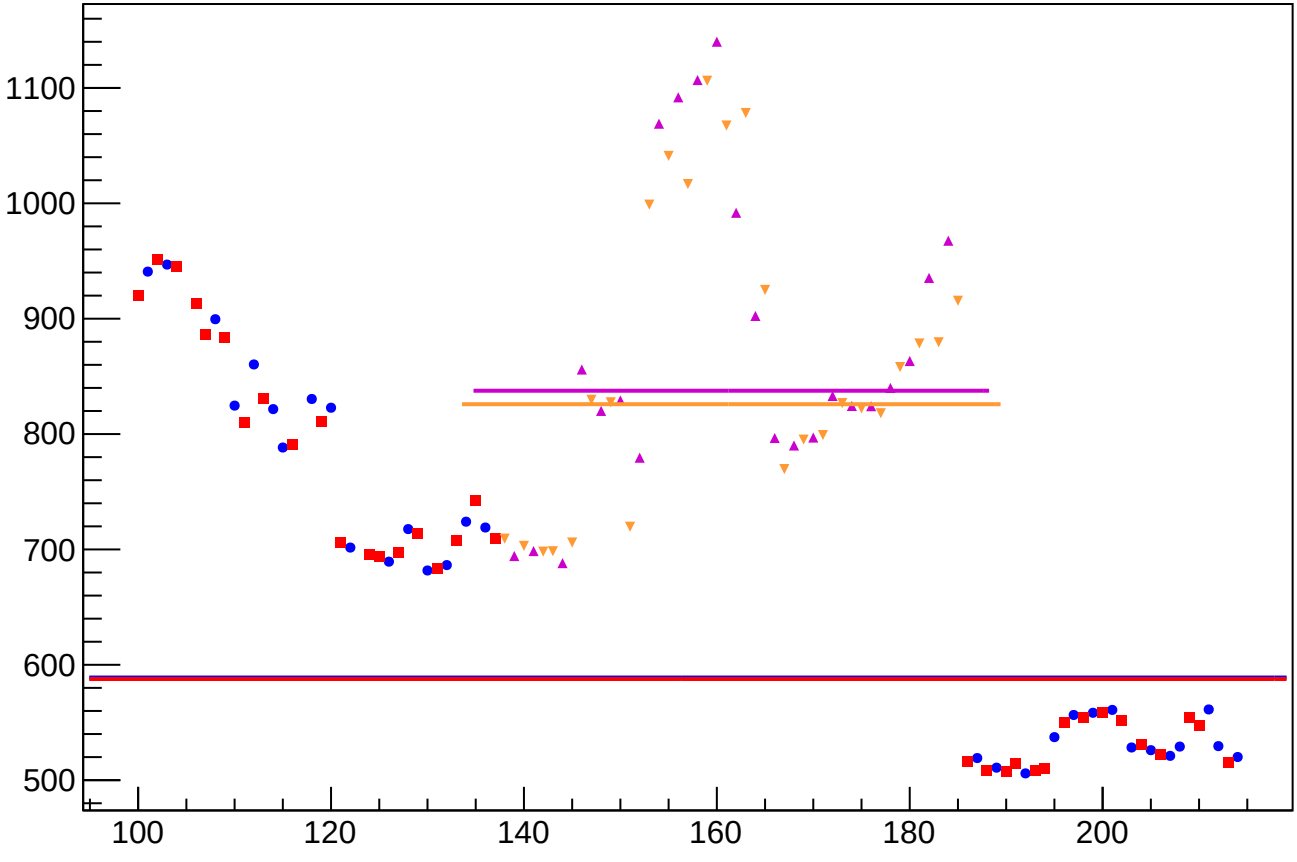
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.009+/-0.113 χ^2/NDF: 1880.2/54

All: -3.168+/-0.080 χ^2/NDF: 35368.5/111

- sign -8.349+/-0.113 χ^2/NDF: 29266.9/56

diff_bpm2i01X_rms vs Slug



Right In: 588.966+/-0.099 χ^2/NDF: 1260434.9/29

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 587.705+/-0.097 χ^2/NDF: 1384186.7/33

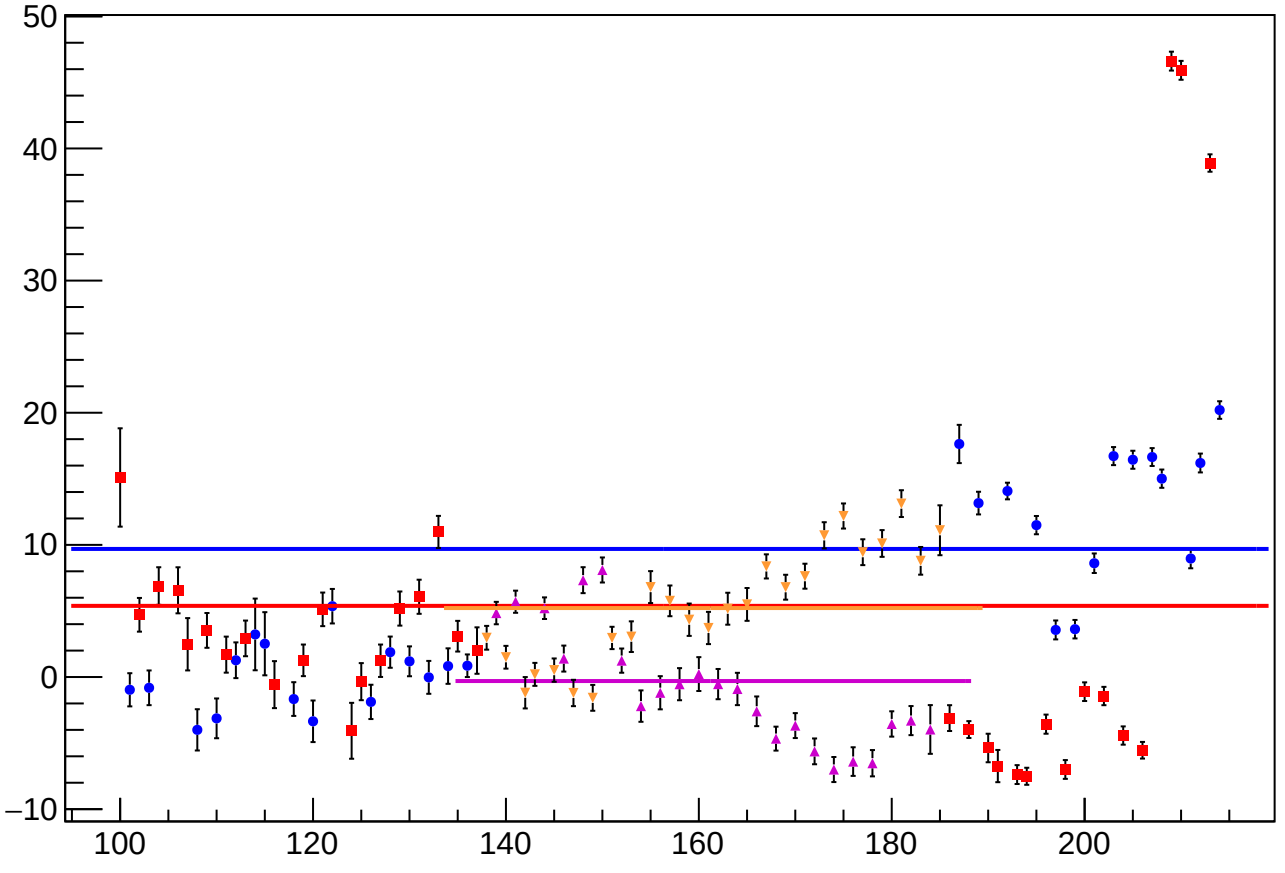
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 672.264+/-0.080 χ^2/NDF: 4040329.4/54

All: 670.424+/-0.056 χ^2/NDF: 8290139.0/11

- sign 668.583+/-0.080 χ^2/NDF: 4248743.7/56

diff_bpm2i01Y_mean vs Slug



Right In: 9.693+/-0.166 χ^2/NDF: 1844.2/29

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 5.385+/-0.163 χ^2/NDF: 11609.4/33

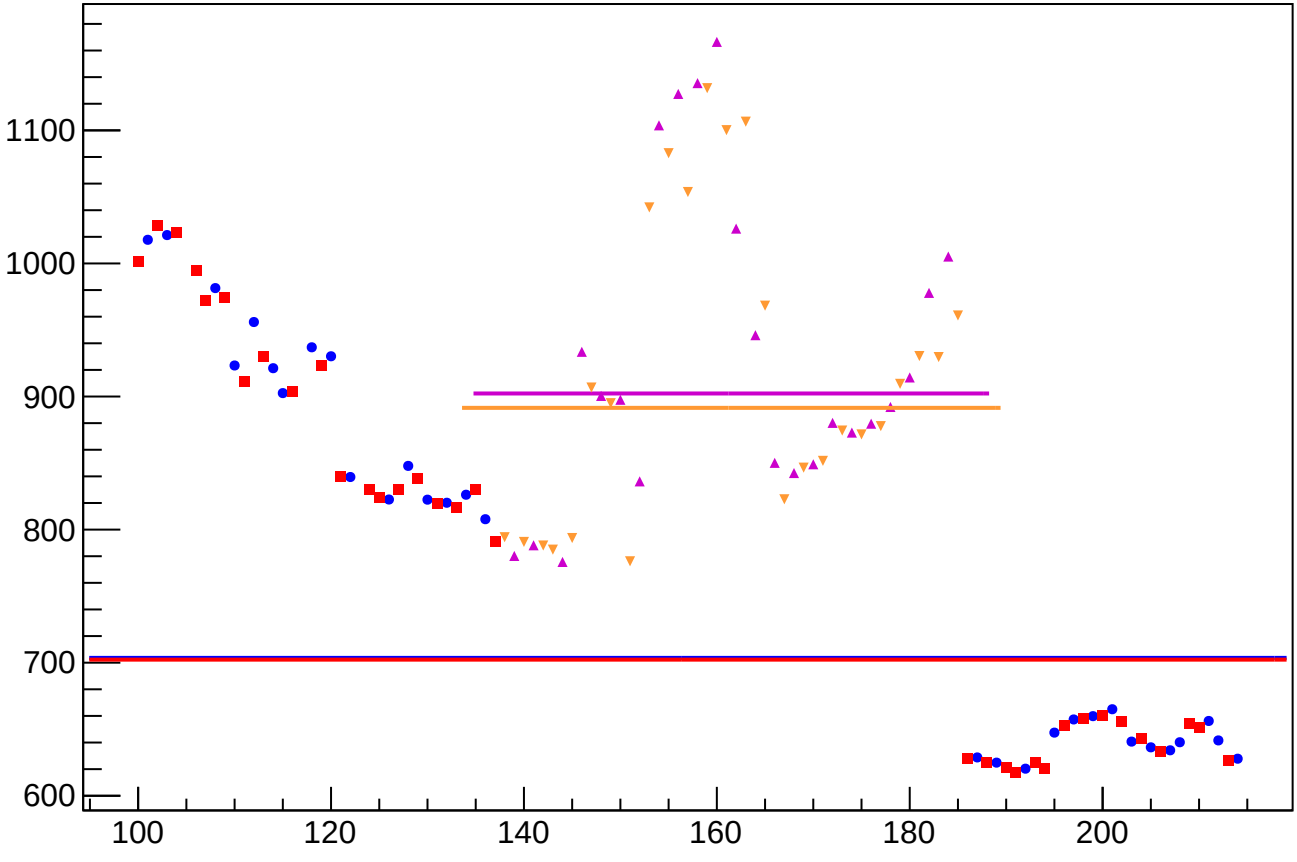
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 7.909+/-0.129 χ^2/NDF: 2582.2/54

All: 5.600+/-0.091 χ^2/NDF: 15779.5/111

\- sign 3.279+/-0.129 χ^2/NDF: 12555.4/56

diff_bpm2i01Y_rms vs Slug



Right In: 703.613+/-0.118 χ^2/NDF: 923181.4/29

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 702.292+/-0.115 χ^2/NDF: 1011747.9/33

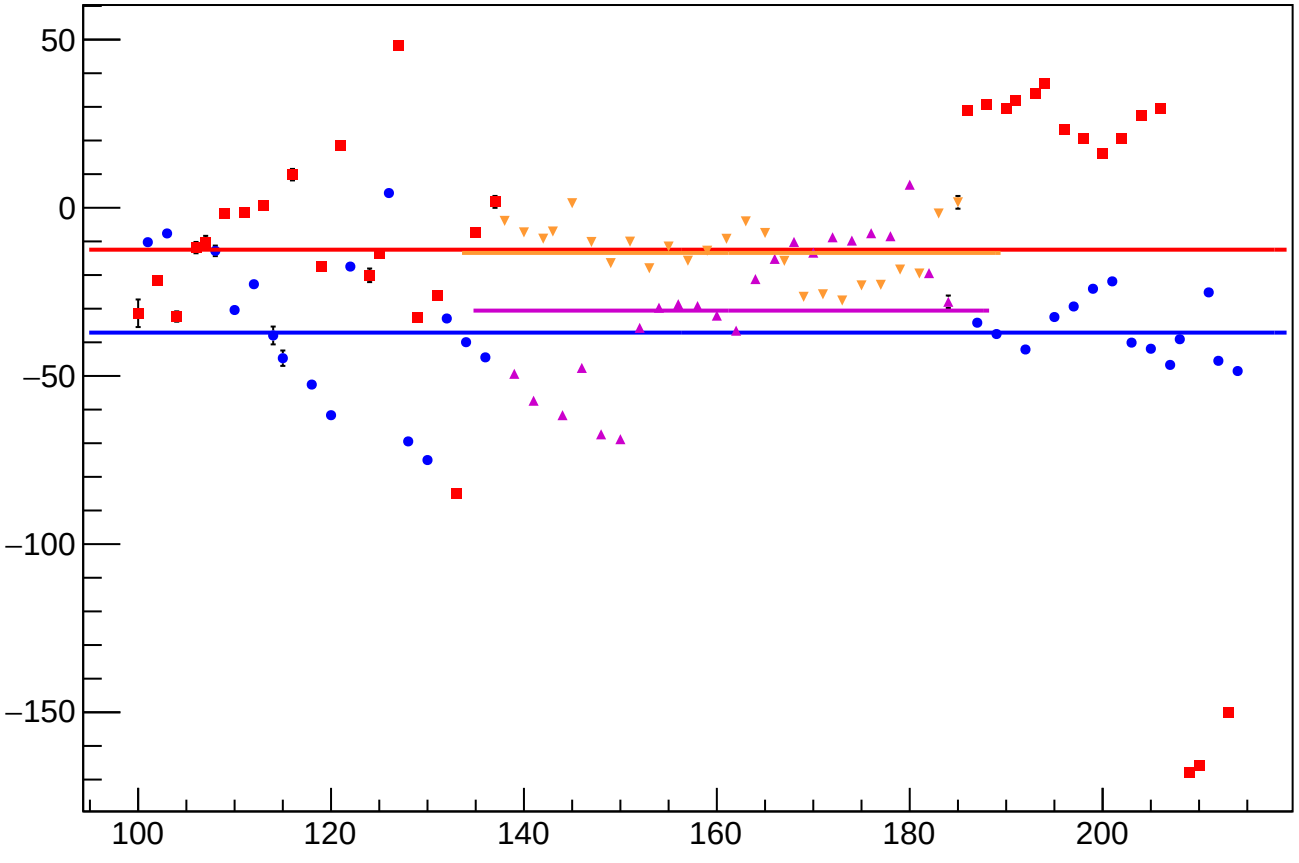
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 778.534+/-0.091 χ^2/NDF: 2457200.6/54

All: 777.433+/-0.065 χ^2/NDF: 5068324.2/11

- sign 776.327+/-0.091 χ^2/NDF: 2610831.9/56

diff_bpm2i02X_mean vs Slug



Right In: -37.115+/-0.164 χ^2/NDF: 7166.7/29

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -12.460+/-0.160 χ^2/NDF: 181098.3/33

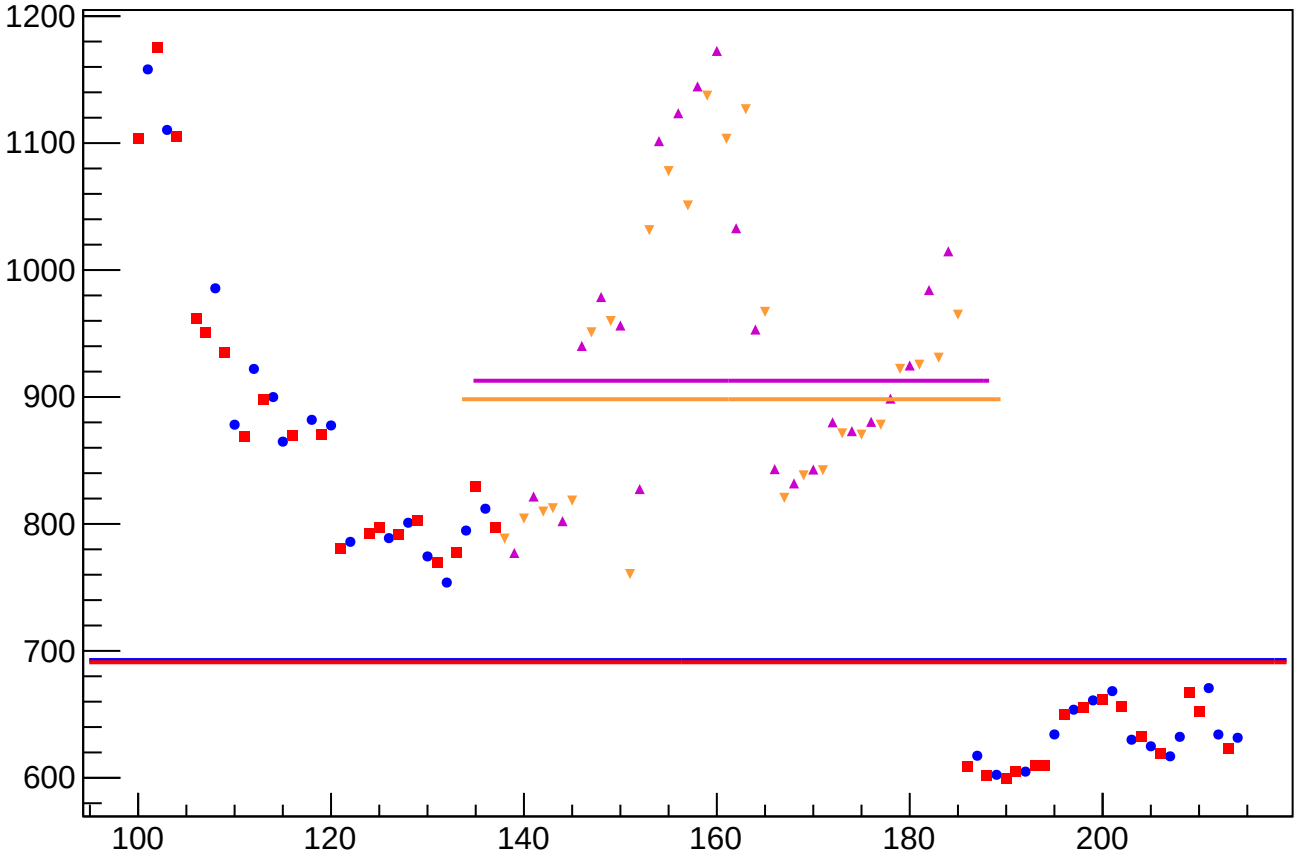
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

\+ sign -27.923+/-0.128 χ^2/NDF: 16931.8/54

All: -23.441+/-0.091 χ^2/NDF: 215417.7/111

\- sign -18.934+/-0.129 χ^2/NDF: 196037.3/56

diff_bpm2i02X_rms vs Slug



Right In: 692.787+/-0.116 χ^2/NDF: 973876.1/29

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

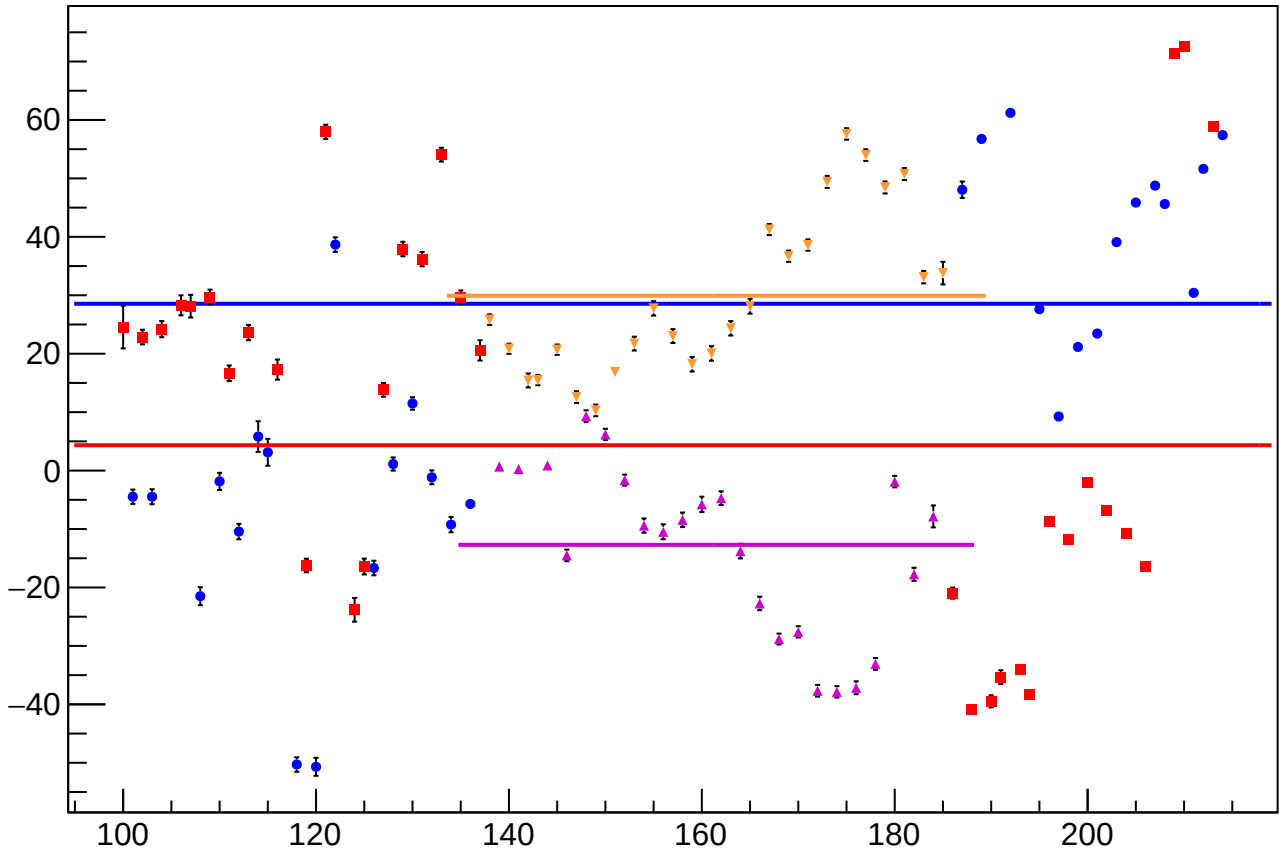
Right Out: 691.049+/-0.113 χ^2/NDF: 1059562.4/33

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 772.483+/-0.091 χ^2/NDF: 2710299.5/54

All: 771.404+/-0.064 χ^2/NDF: 5615238.2/11

- sign 770.320+/-0.091 χ^2/NDF: 2904655.0/56



Right In: 28.549+/-0.162 χ^2/NDF: 26673.5/29

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 4.345+/-0.158 χ^2/NDF: 53732.0/33

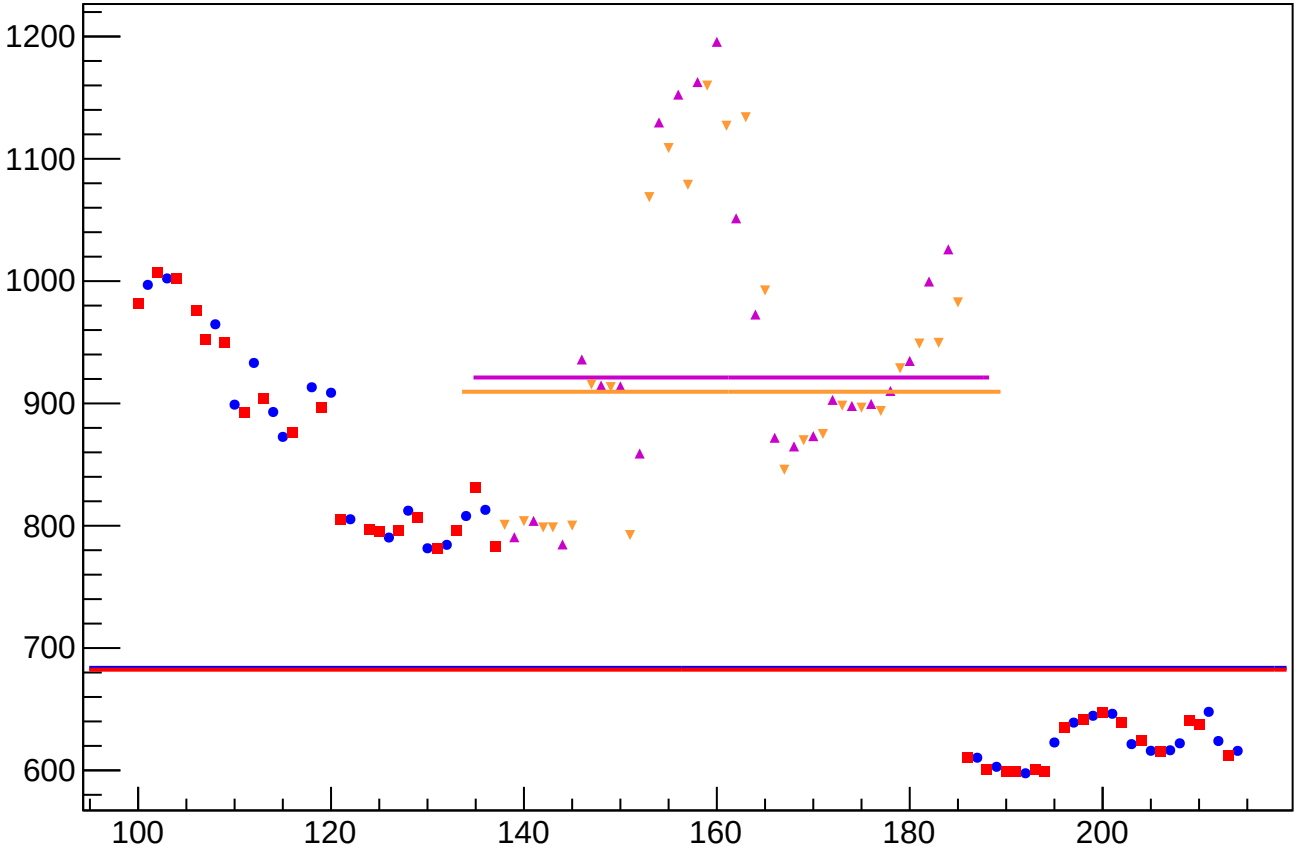
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 29.064+/-0.128 χ^2/NDF: 31281.0/54

All: 13.760+/-0.090 χ^2/NDF: 122534.3/111

\- sign -1.578+/-0.128 χ^2/NDF: 62549.0/56

diff_bpm2i02Y_rms vs Slug



Right In: 683.801+/-0.114 χ^2/NDF: 943701.6/29

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 682.309+/-0.112 χ^2/NDF: 1030830.3/33

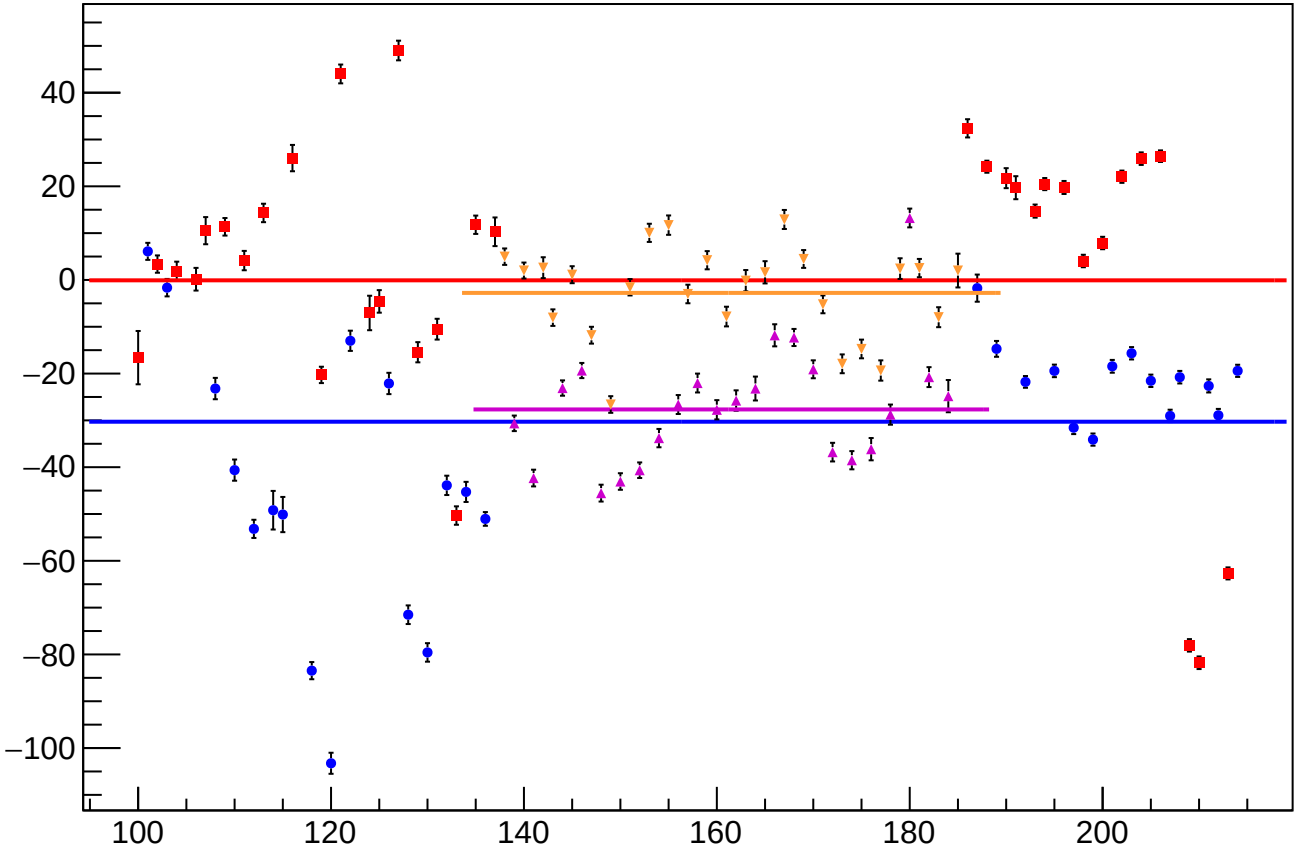
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 768.596+/-0.090 χ^2/NDF: 2948568.3/54

All: 766.940+/-0.064 χ^2/NDF: 6057556.6/11

- sign 765.279+/-0.090 χ^2/NDF: 3108315.5/56

diff_bpm0i02X_mean vs Slug



Right In: -30.286+/-0.303 χ^2/NDF: 4863.4/29

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -0.083+/-0.297 χ^2/NDF: 14132.4/33

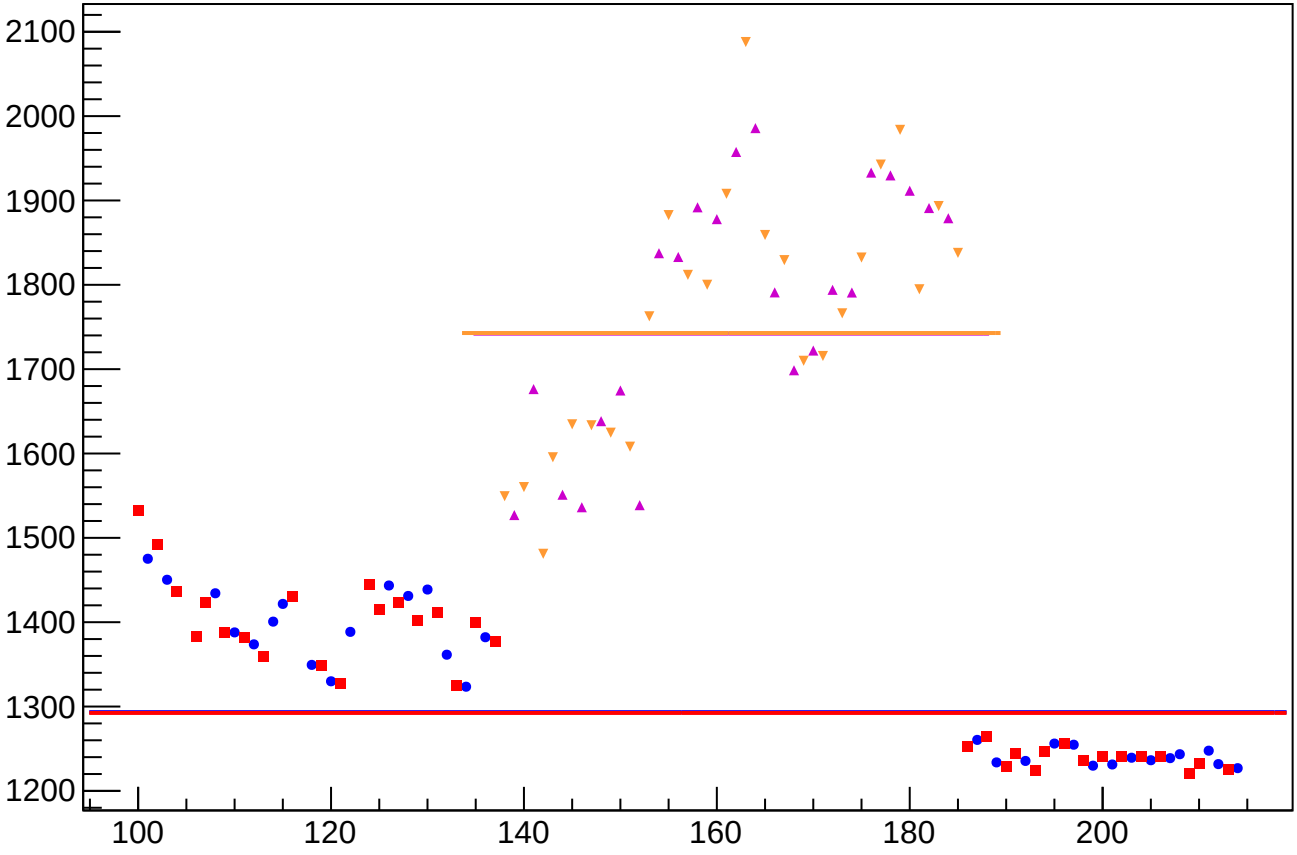
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -20.190+/-0.241 χ^2/NDF: 8515.3/54

All: -14.877+/-0.170 χ^2/NDF: 27592.5/111

\- sign -9.594+/-0.240 χ^2/NDF: 18105.5/56

diff_bpm0i02X_rms vs Slug



Right In: 1293.366+/-0.214 χ^2/NDF: 141312.9/29

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1292.443+/-0.210 χ^2/NDF: 142493.5/33

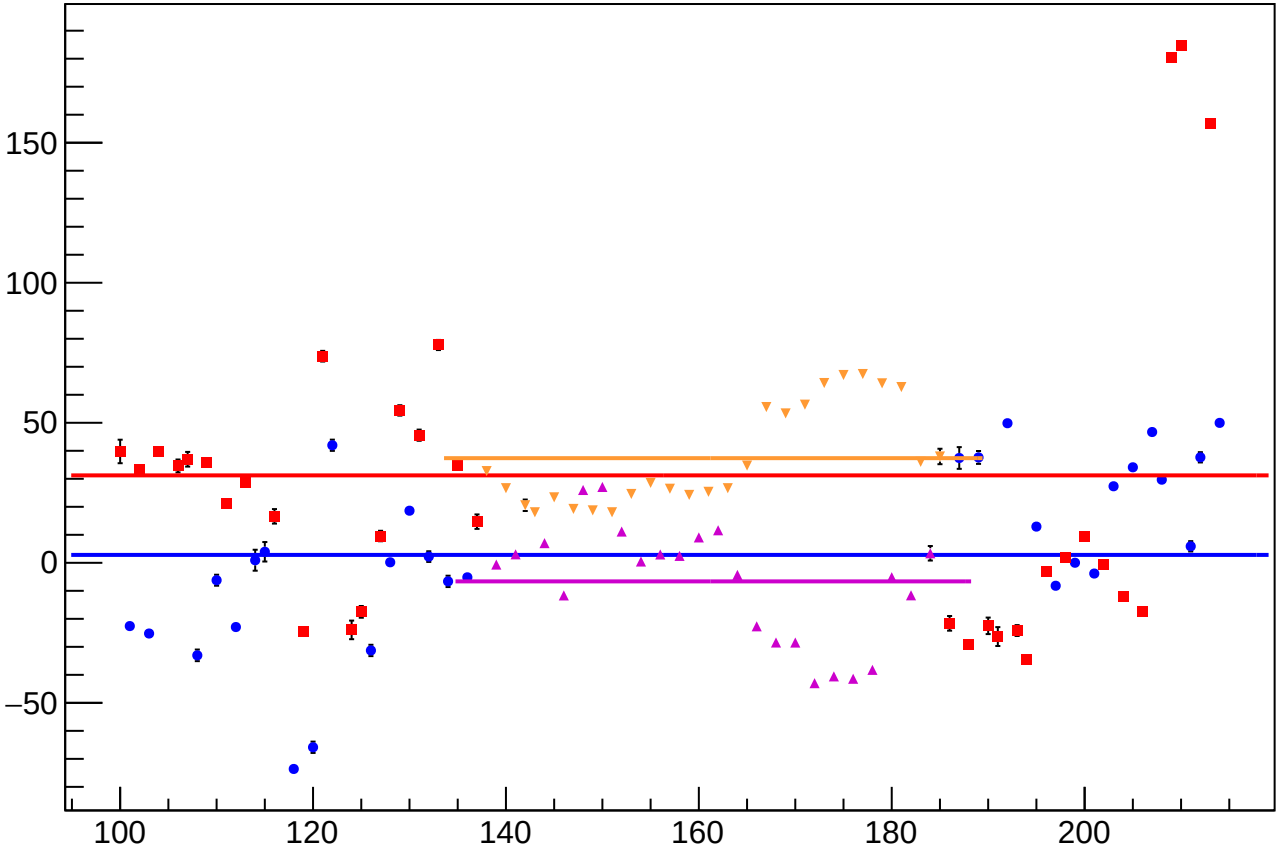
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1458.267+/-0.170 χ^2/NDF: 2024209.9/54

All: 1452.881+/-0.120 χ^2/NDF: 4016548.0/11

- sign 1447.527+/-0.170 χ^2/NDF: 1990341.7/56

diff_bpm0i02Y_mean vs Slug



Right In: 2.825+/-0.334 χ^2/NDF: 8796.7/29

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 31.222+/-0.326 χ^2/NDF: 32794.2/33

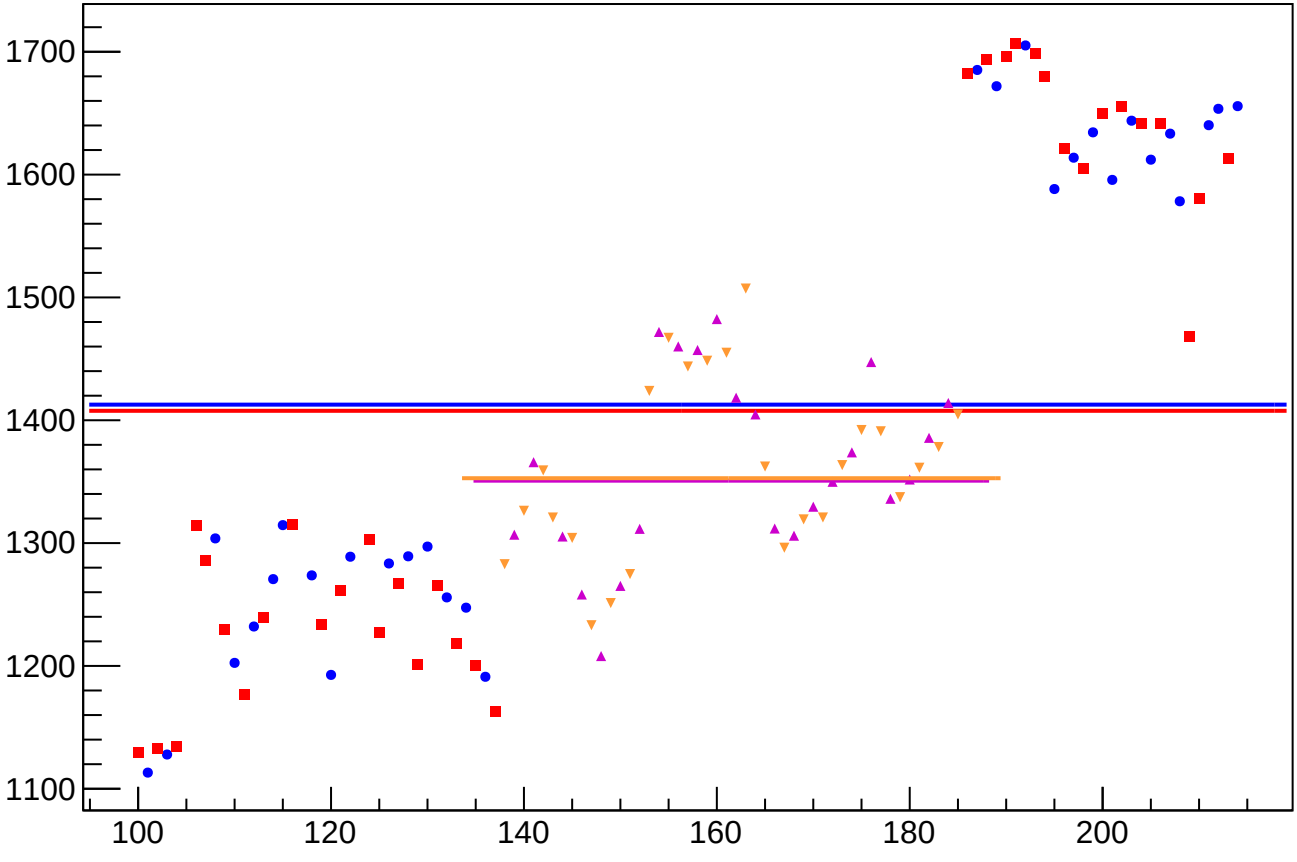
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 21.479+/-0.226 χ^2/NDF: 17983.8/54

All: 16.606+/-0.160 χ^2/NDF: 63065.2/111

\- sign 11.701+/-0.227 χ^2/NDF: 44150.4/56

diff_bpm0i02Y_rms vs Slug



Right In: 1412.724+/-0.236 χ^2/NDF: 795405.2/29

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1407.701+/-0.231 χ^2/NDF: 865010.9/33

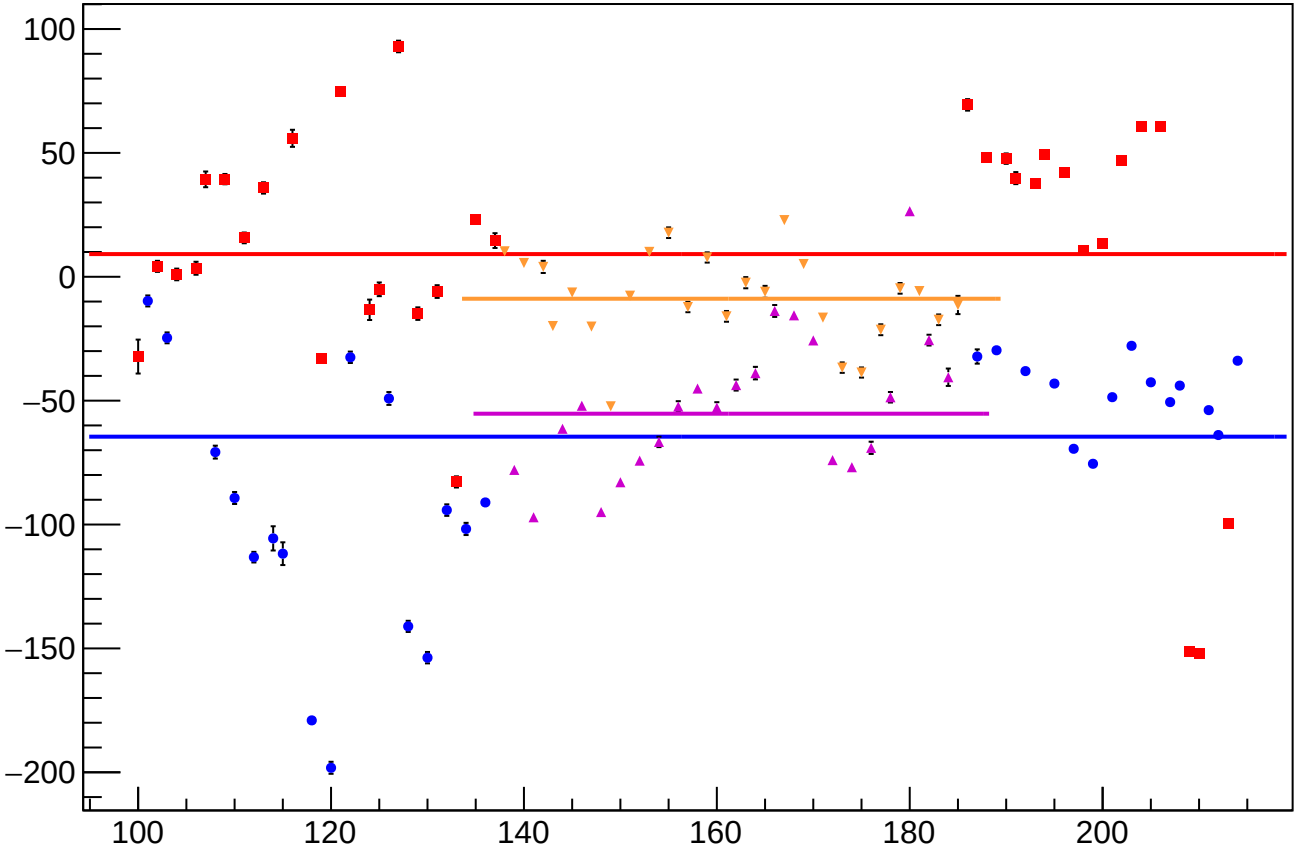
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1380.375+/-0.160 χ^2/NDF: 935082.1/54

All: 1379.377+/-0.113 χ^2/NDF: 1940147.5/11

- sign 1378.372+/-0.161 χ^2/NDF: 1004987.3/56

diff_bpm0i02aX_mean vs Slug



Right In: -64.536+/-0.340 χ^2/NDF: 14365.0/29

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 9.159+/-0.330 χ^2/NDF: 38199.3/33

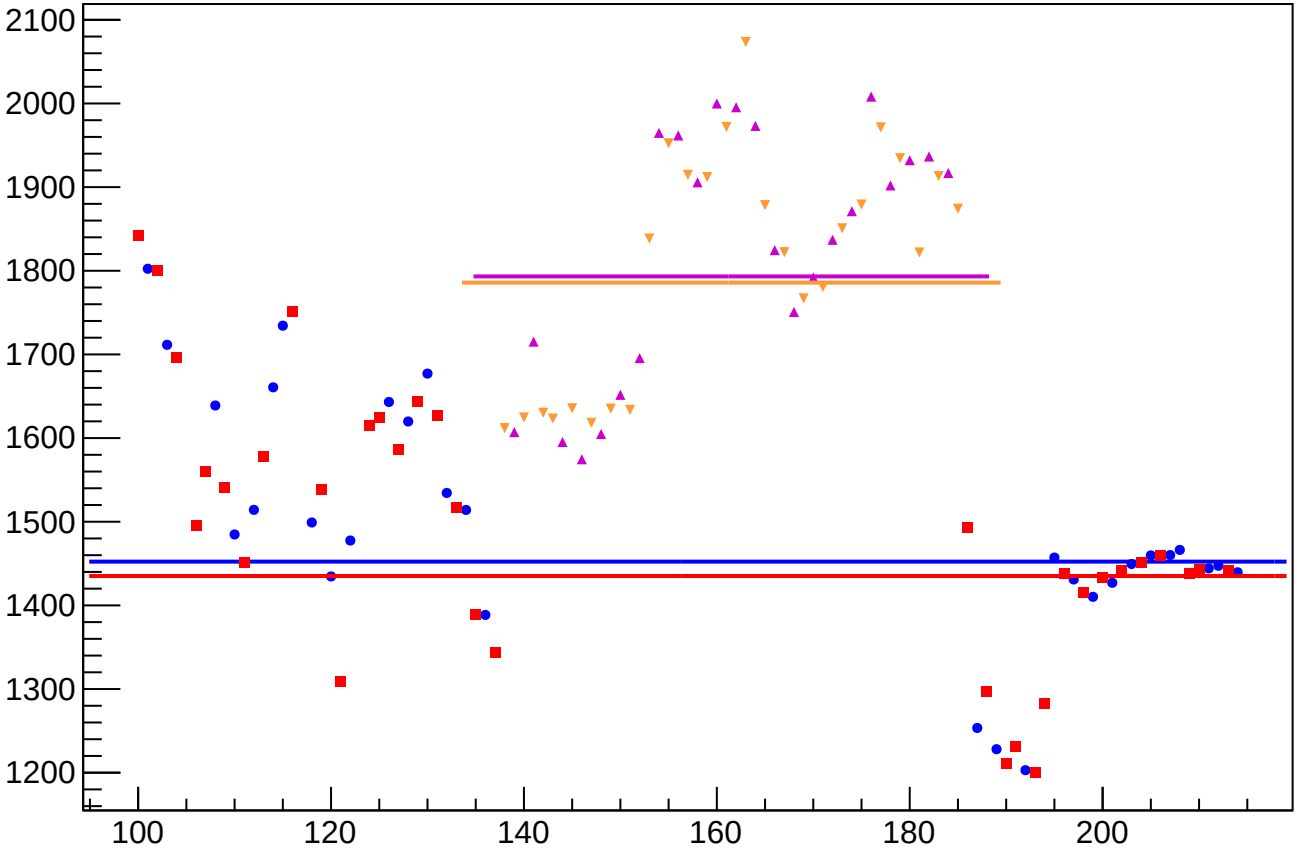
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

\+ sign -41.631+/-0.261 χ^2/NDF: 27323.7/54

All: -28.445+/-0.184 χ^2/NDF: 89852.5/111

\- sign -15.409+/-0.260 χ^2/NDF: 57458.9/56

diff_bpm0i02aX_rms vs Slug



Right In: 1452.306+/-0.241 χ^2/NDF: 281920.8/29

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1435.129+/-0.233 χ^2/NDF: 330978.3/33

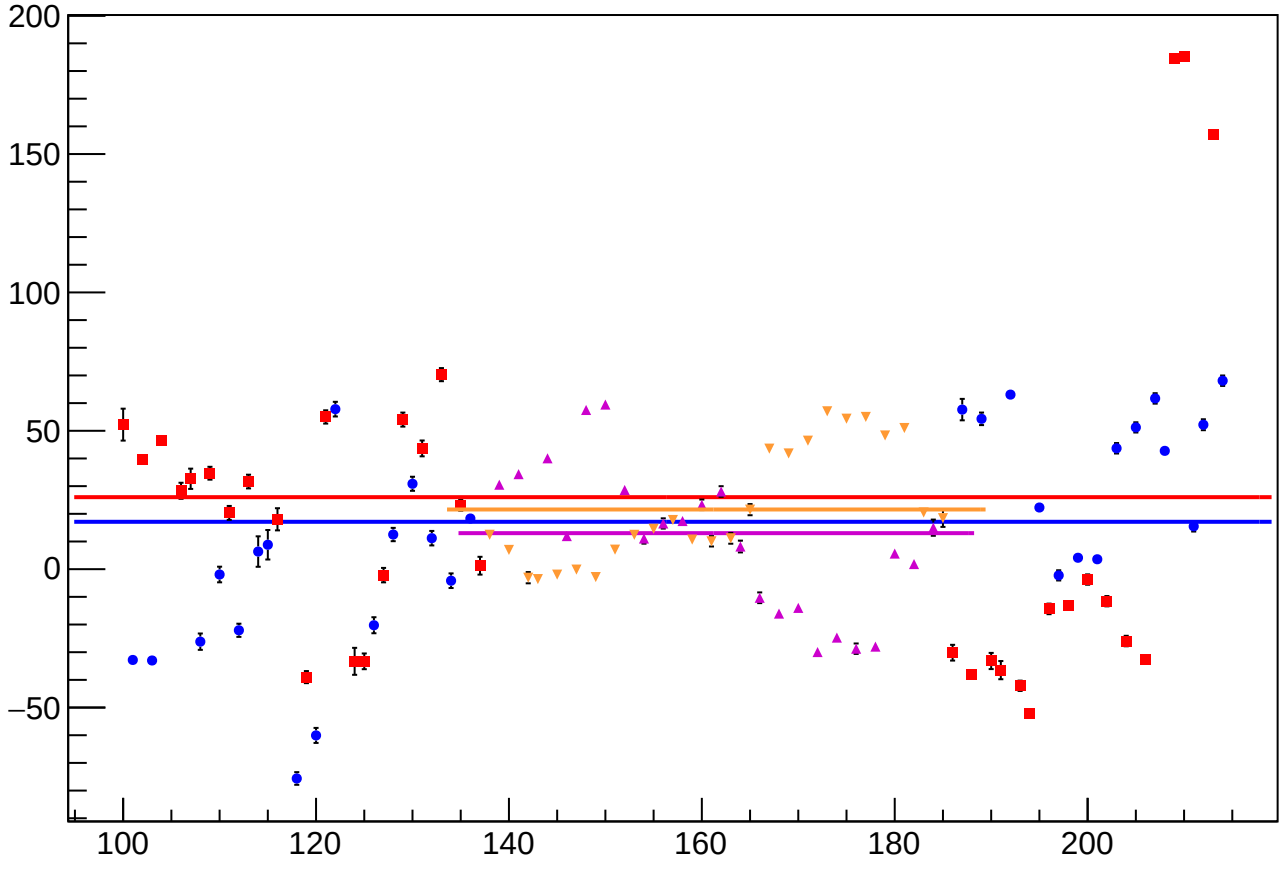
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1589.515+/-0.185 χ^2/NDF: 1309046.4/54

All: 1580.554+/-0.130 χ^2/NDF: 2795028.8/11

- sign 1571.695+/-0.184 χ^2/NDF: 1481299.6/56

diff_bpm0i02aY_mean vs Slug



Right In: 17.119+/-0.390 χ^2/NDF: 8801.6/29

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 26.019+/-0.378 χ^2/NDF: 35919.4/33

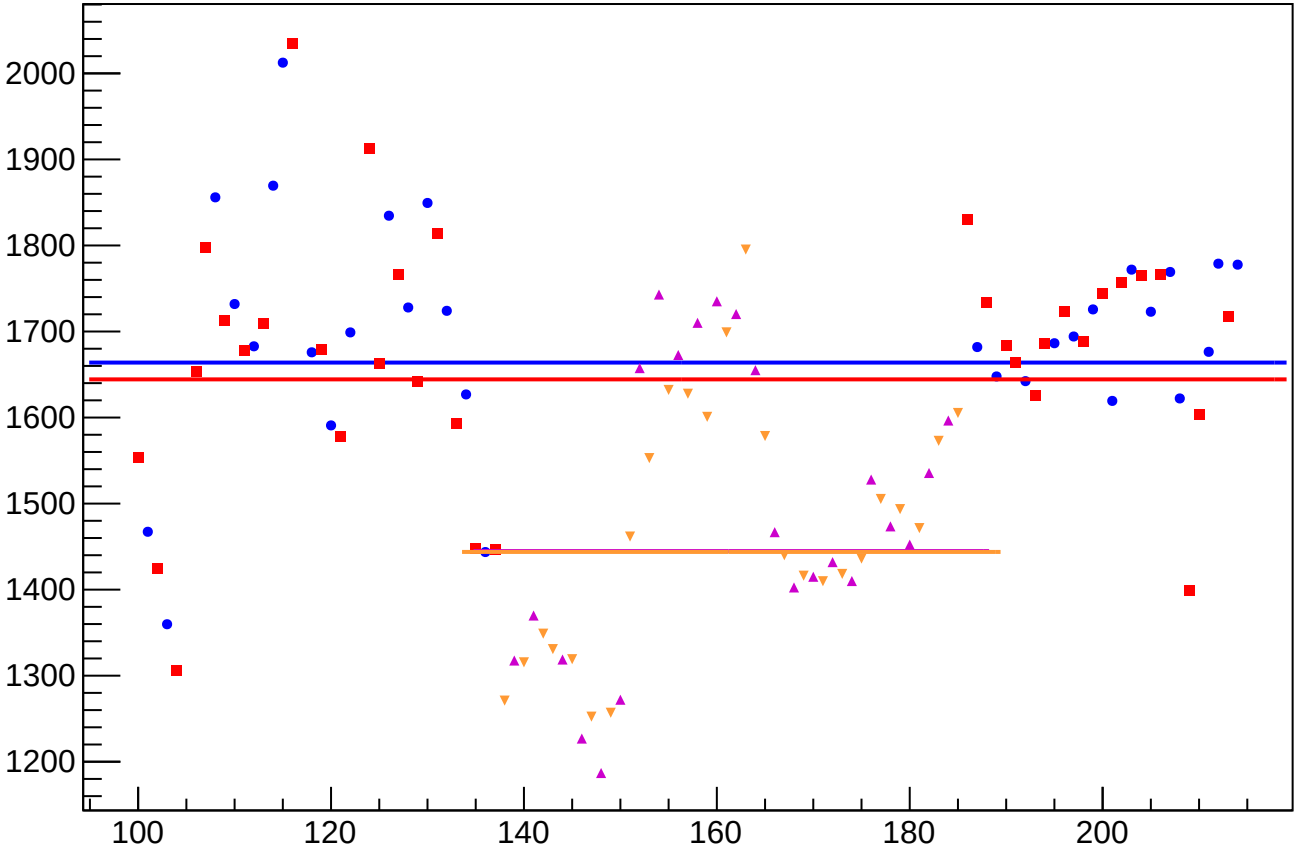
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 19.712+/-0.252 χ^2/NDF: 13038.1/54

All: 19.270+/-0.178 χ^2/NDF: 56244.4/111

- sign 18.824+/-0.253 χ^2/NDF: 43200.1/56

diff_bpm0i02aY_rms vs Slug



Right In: 1663.893+/-0.276 χ^2/NDF: 203819.3/29

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1644.366+/-0.268 χ^2/NDF: 281228.9/33

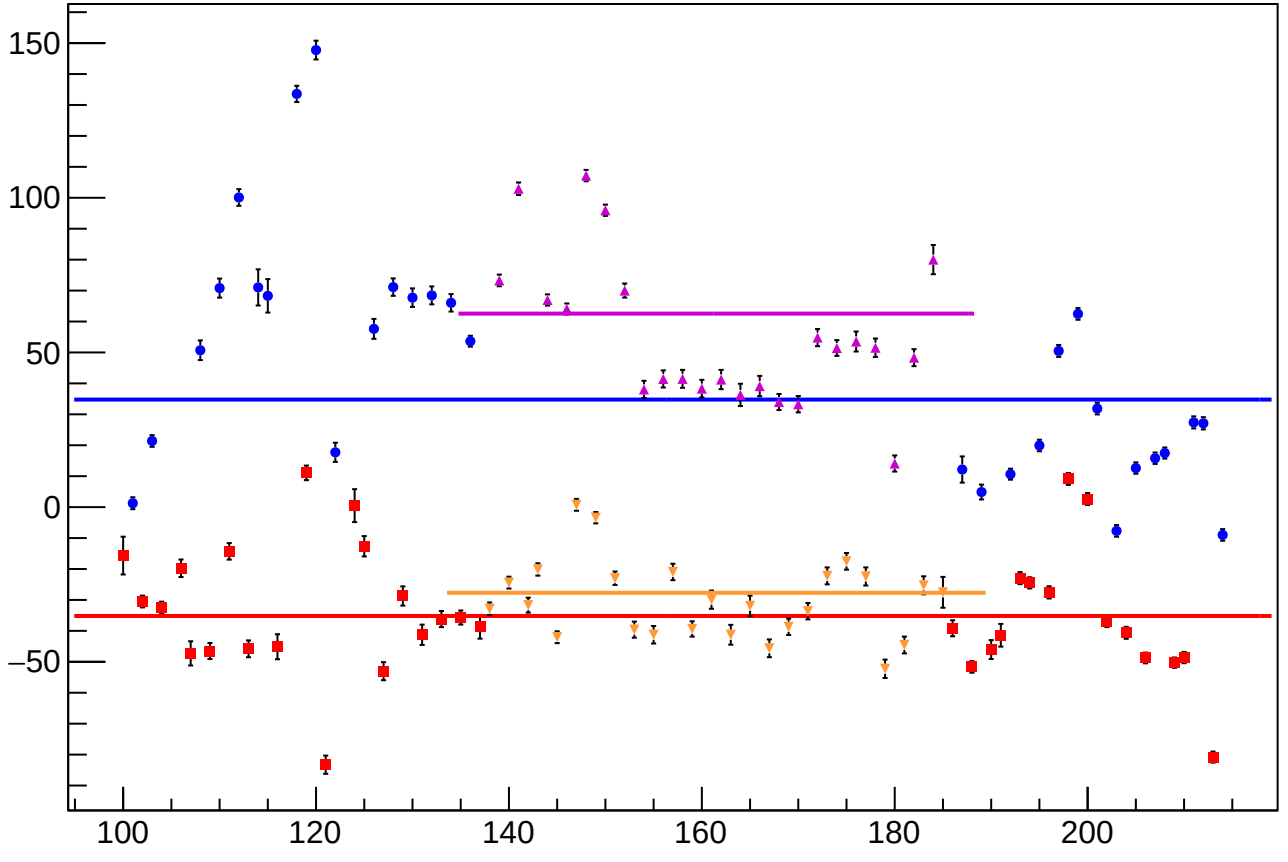
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1535.584+/-0.178 χ^2/NDF: 927250.2/54

All: 1534.778+/-0.126 χ^2/NDF: 2001474.0/11

- sign 1533.967+/-0.179 χ^2/NDF: 1074182.8/56

diff_bpm0i05X_mean vs Slug



Right In: 34.768+/-0.414 χ^2/NDF: 6850.0/29

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -35.186+/-0.402 χ^2/NDF: 2892.9/33

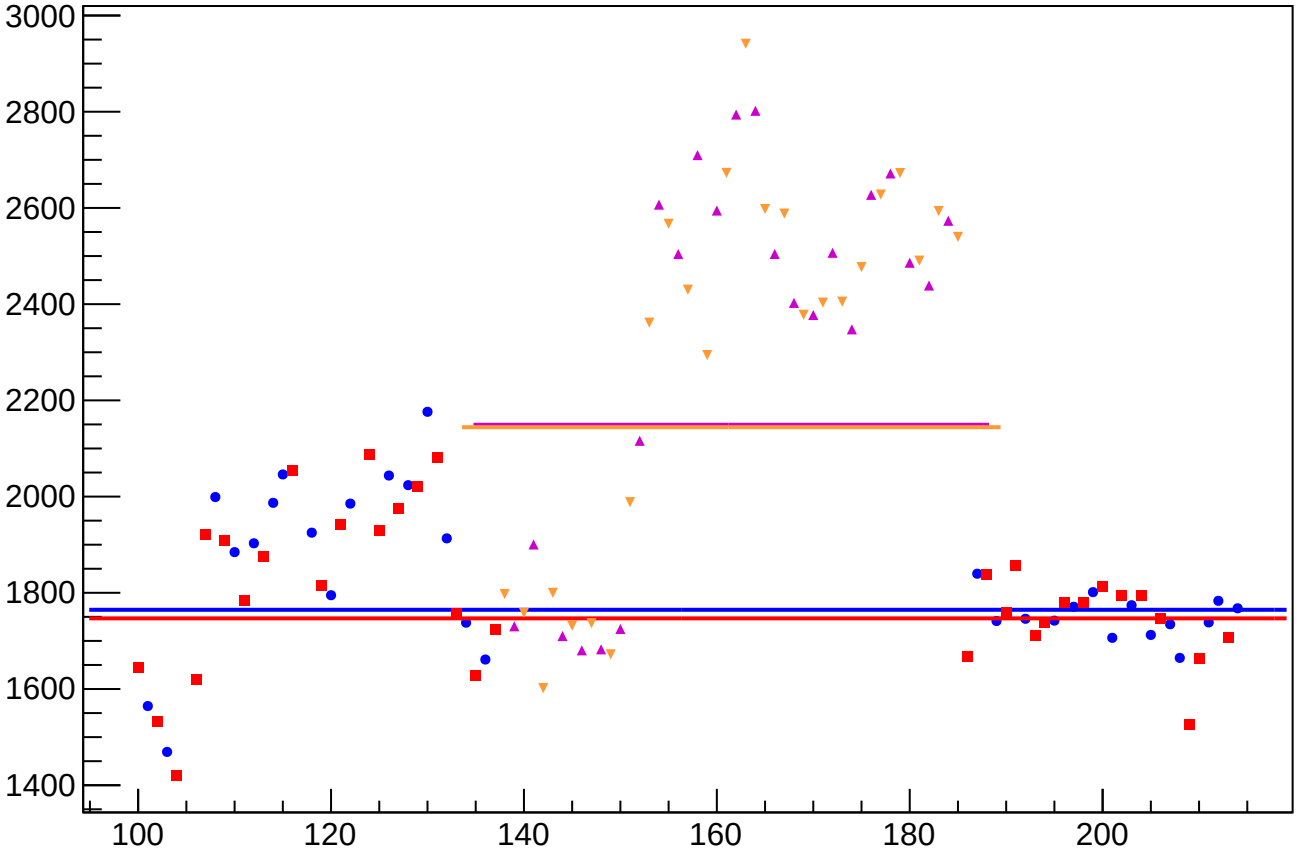
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 9.151+/-0.318 χ^2/NDF: 16969.1/54

All: 5.590+/-0.224 χ^2/NDF: 45146.6/111

- sign 2.068+/-0.316 χ^2/NDF: 27927.5/56

diff_bpm0i05X_rms vs Slug



Right In: 1764.707+/-0.292 χ^2/NDF: 210538.4/29

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1746.847+/-0.284 χ^2/NDF: 246675.6/33

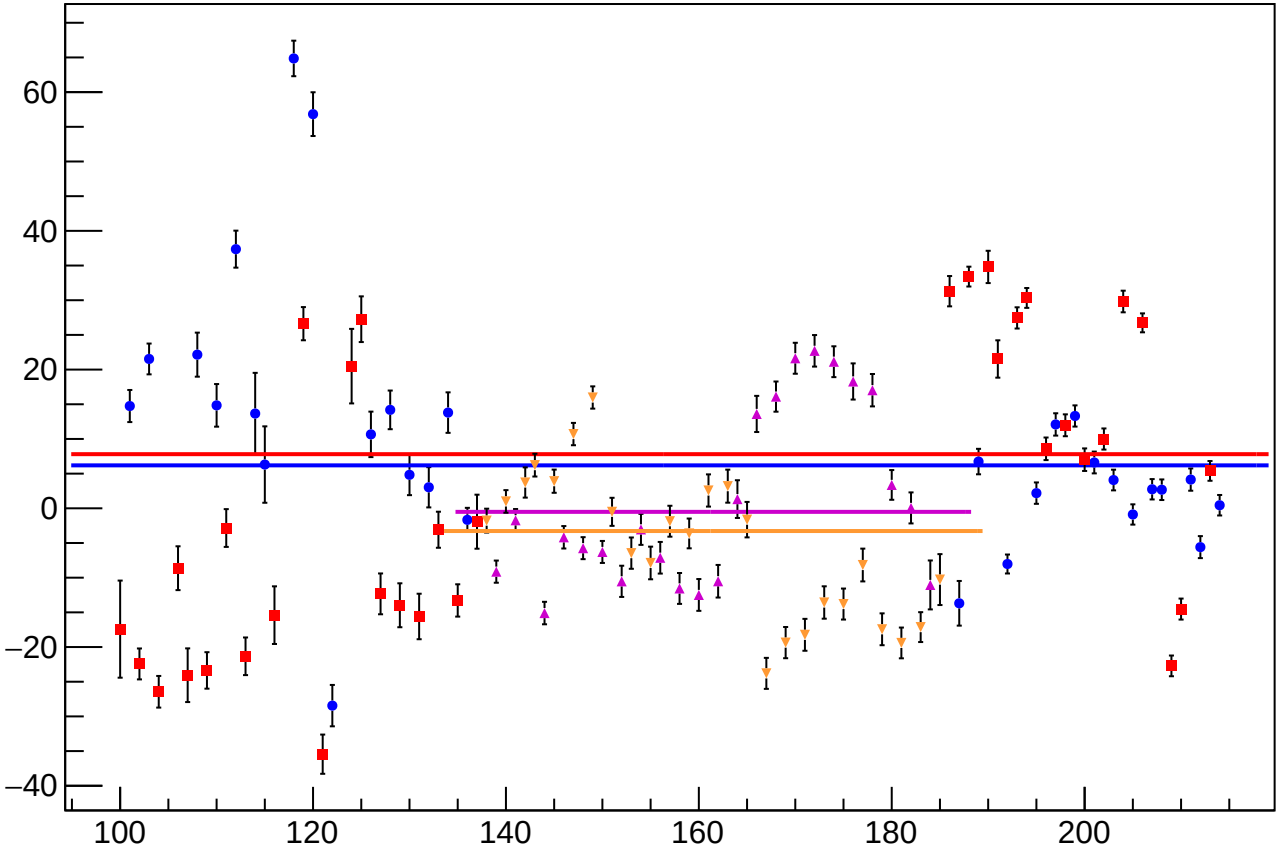
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1920.355+/-0.225 χ^2/NDF: 2180993.0/54

All: 1910.251+/-0.158 χ^2/NDF: 4463120.9/11

- sign 1900.256+/-0.223 χ^2/NDF: 2278102.6/56

diff_bpm0i05Y_mean vs Slug



Right In: 6.192+/-0.360 χ^2/NDF: 1485.7/29

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 7.806+/-0.353 χ^2/NDF: 3454.8/33

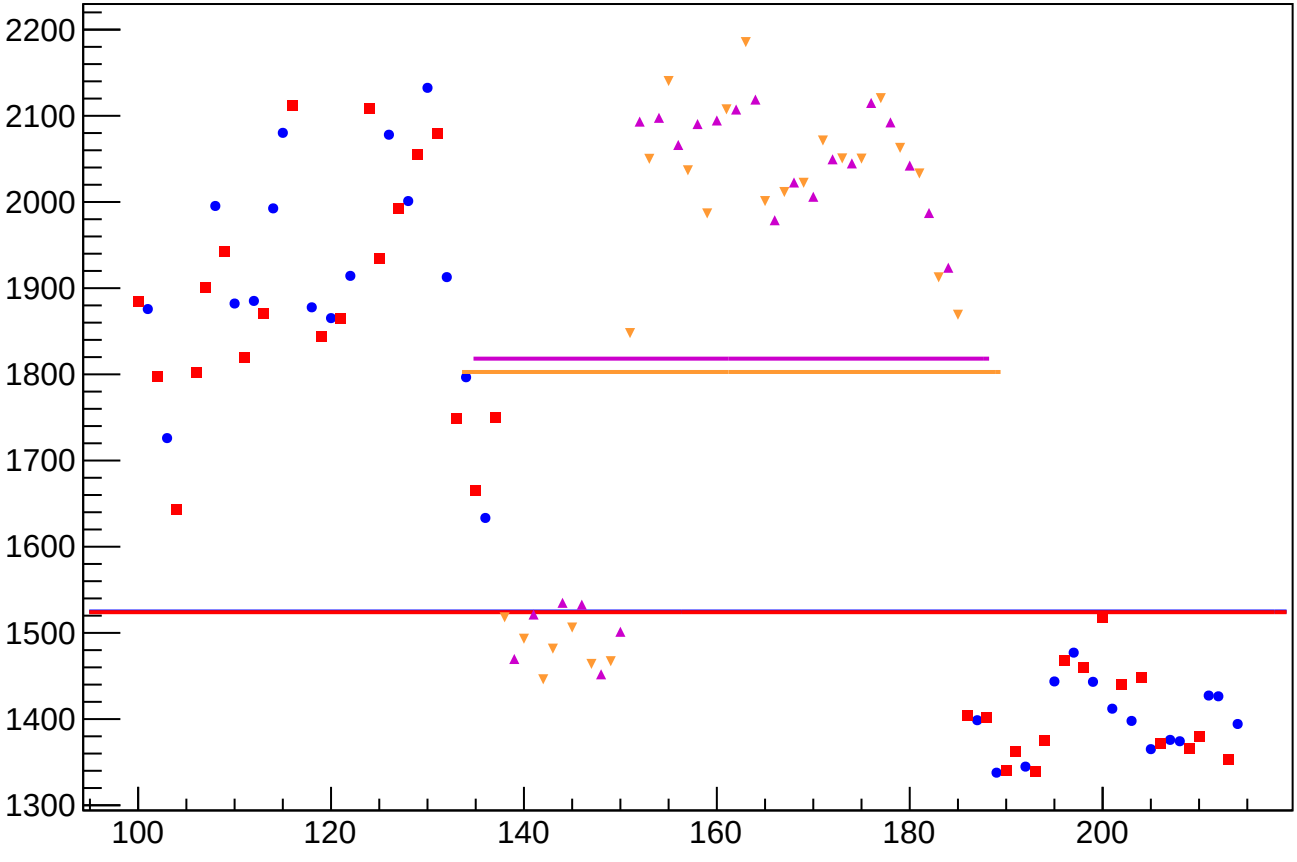
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.124+/-0.272 χ^2/NDF: 2454.1/54

All: 3.288+/-0.192 χ^2/NDF: 6915.3/111

- sign 4.459+/-0.273 χ^2/NDF: 4424.4/56

diff_bpm0i05Y_rms vs Slug



Right In: 1524.800+/-0.255 χ^2/NDF: 752622.9/29

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1524.037+/-0.249 χ^2/NDF: 736517.0/33

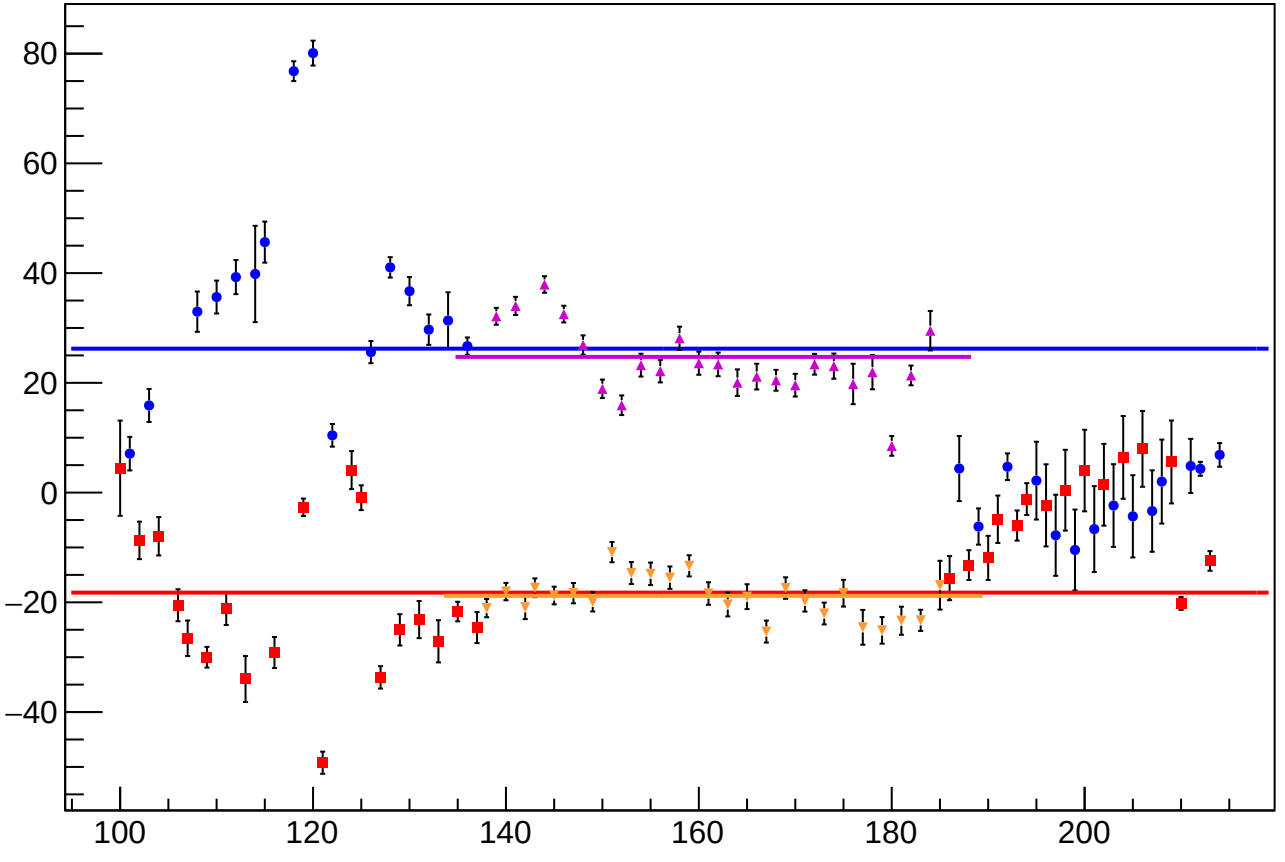
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1644.252+/-0.192 χ^2/NDF: 2162473.1/54

All: 1643.341+/-0.136 χ^2/NDF: 4299377.1/11

- sign 1642.425+/-0.193 χ^2/NDF: 2136859.0/56

diff_bpm0i07X_mean vs Slug



Right In: 26.231+/-0.507 χ^2/NDF: 2315.3/29

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.232+/-0.467 χ^2/NDF: 754.9/33

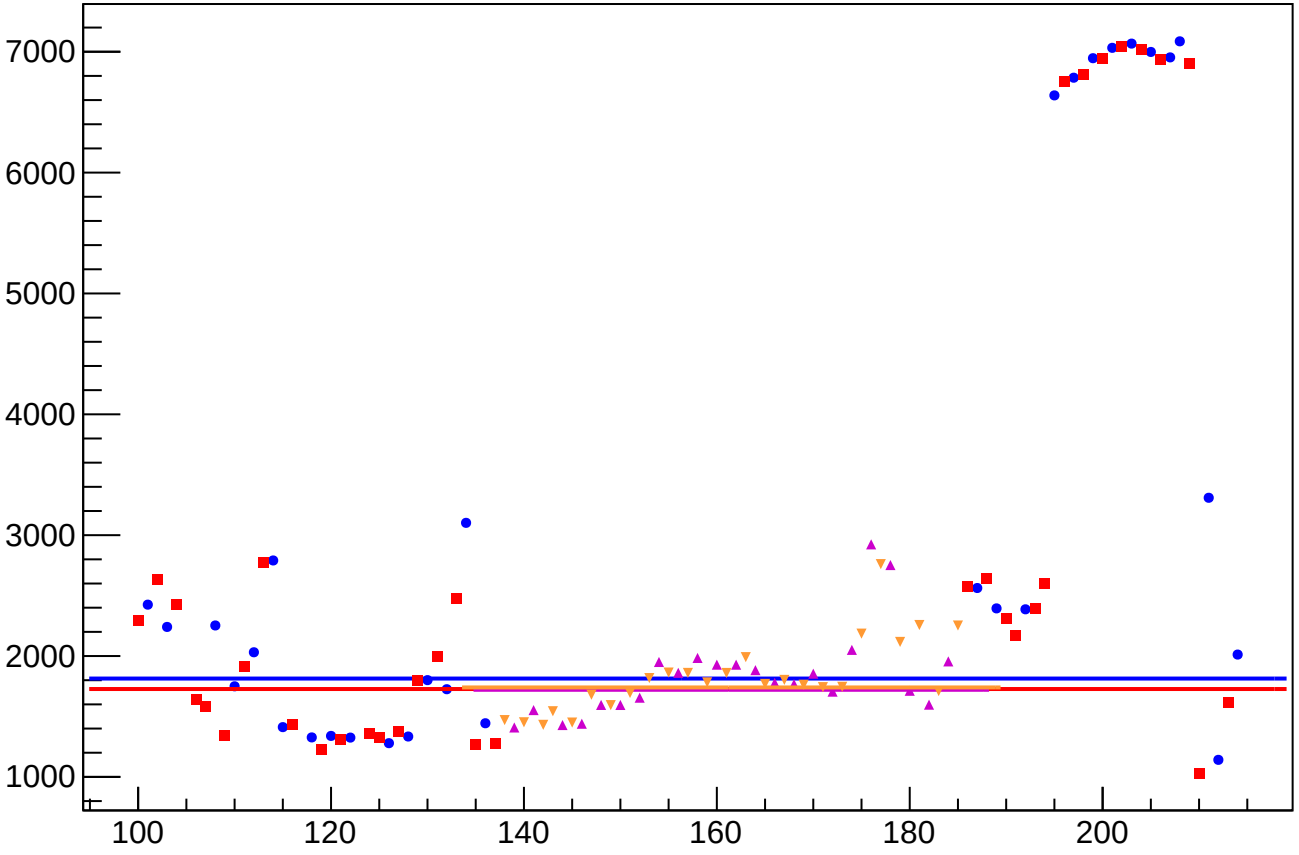
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -1.442+/-0.315 χ^2/NDF: 7235.0/54

All: 2.424+/-0.220 χ^2/NDF: 13379.6/111

- sign 6.111+/-0.308 χ^2/NDF: 5850.4/56

diff_bpm0i07X_rms vs Slug



Right In: 1813.742+/-0.359 χ^2/NDF: 9554347.6/29

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1727.092+/-0.330 χ^2/NDF: 9488511.3/33

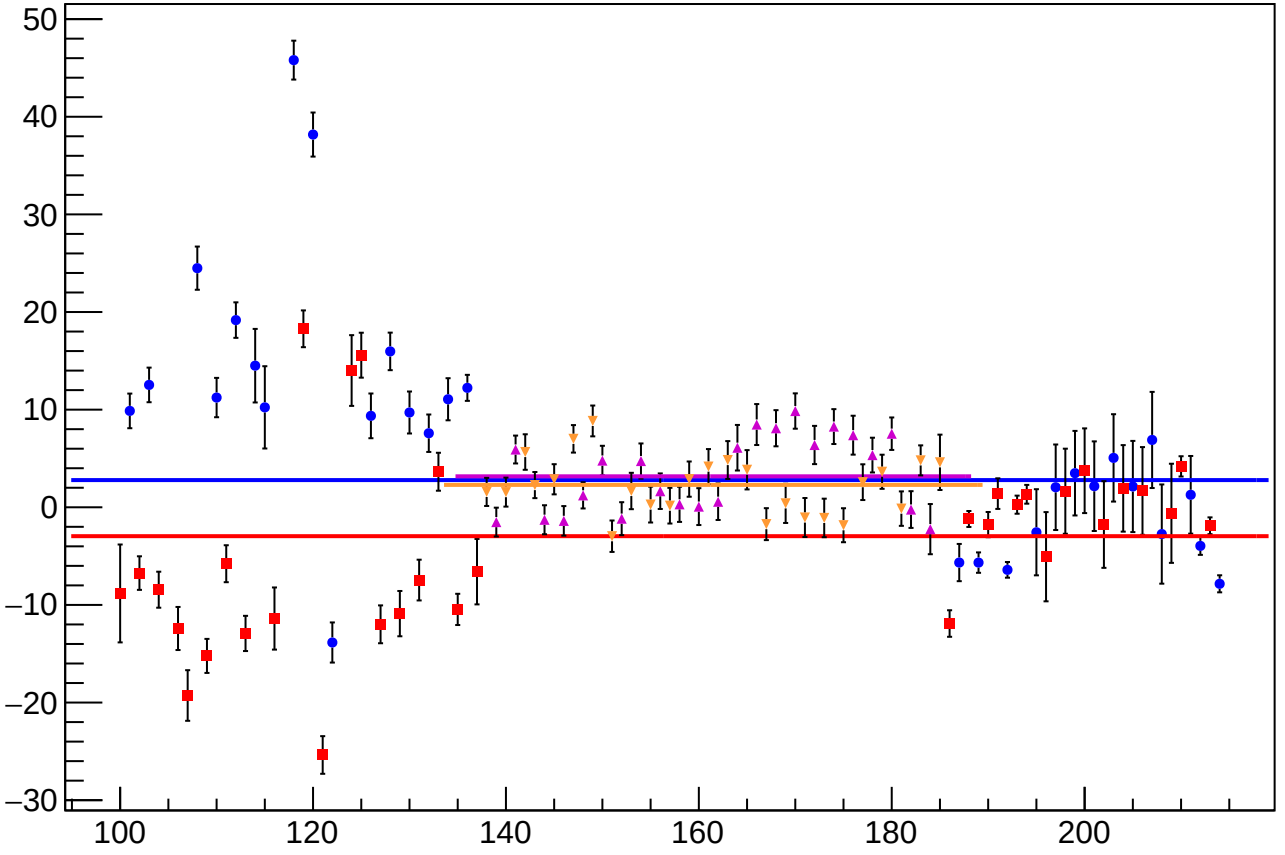
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1768.496+/-0.223 χ^2/NDF: 10333628.8/54

All: 1745.501+/-0.156 χ^2/NDF: 20727154.9/1

- sign 1723.563+/-0.218 χ^2/NDF: 10372702.9/56

diff_bpm0i07Y_mean vs Slug



Right In: 2.786+/-0.322 χ^2/NDF: 1590.7/29

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -2.959+/-0.286 χ^2/NDF: 728.0/33

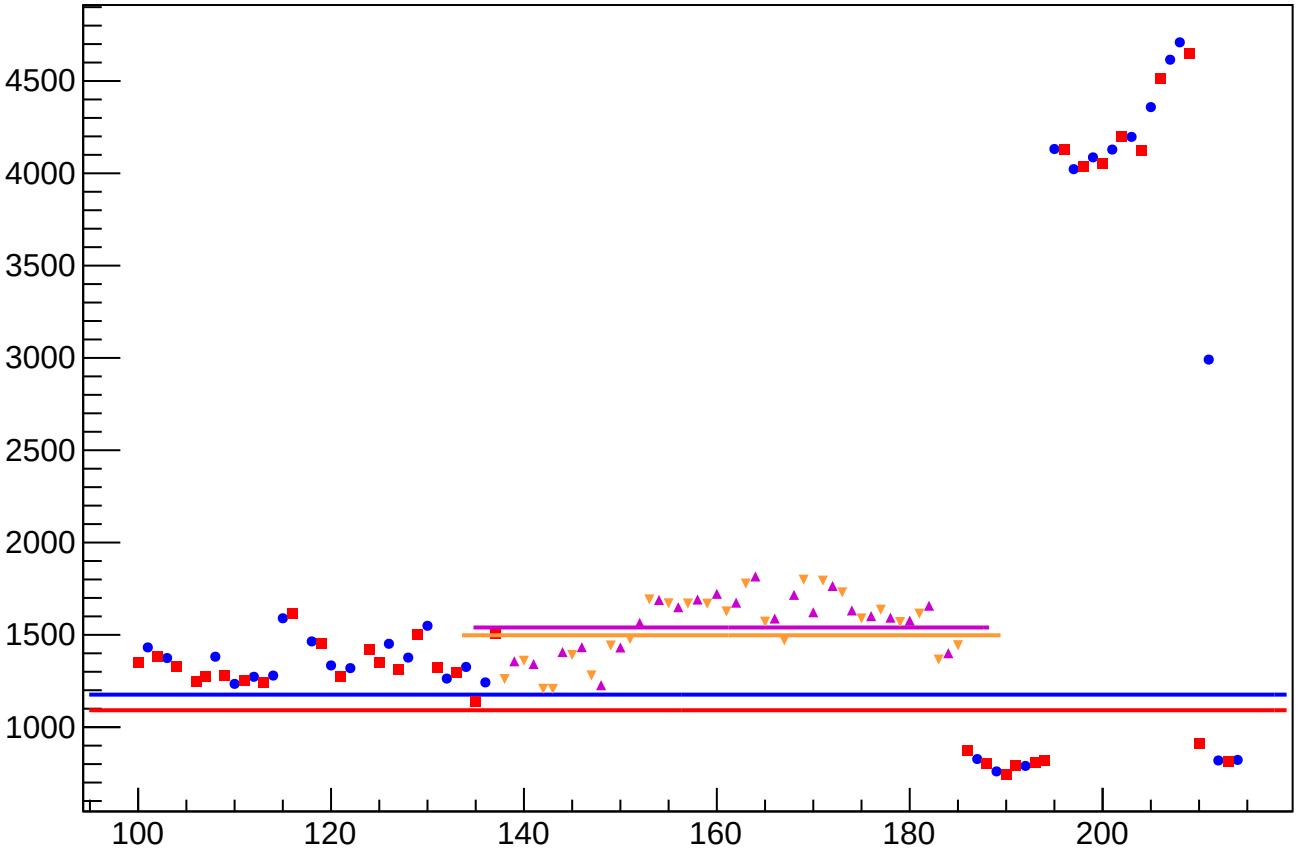
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 2.555+/-0.235 χ^2/NDF: 1665.3/54

All: 0.905+/-0.162 χ^2/NDF: 2774.1/111

- sign -0.602+/-0.225 χ^2/NDF: 1014.6/56

diff_bpm0i07Y_rms vs Slug



Right In: 1176.261+/-0.228 χ^2/NDF: 9453762.6/29

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1091.679+/-0.202 χ^2/NDF: 8437719.5/33

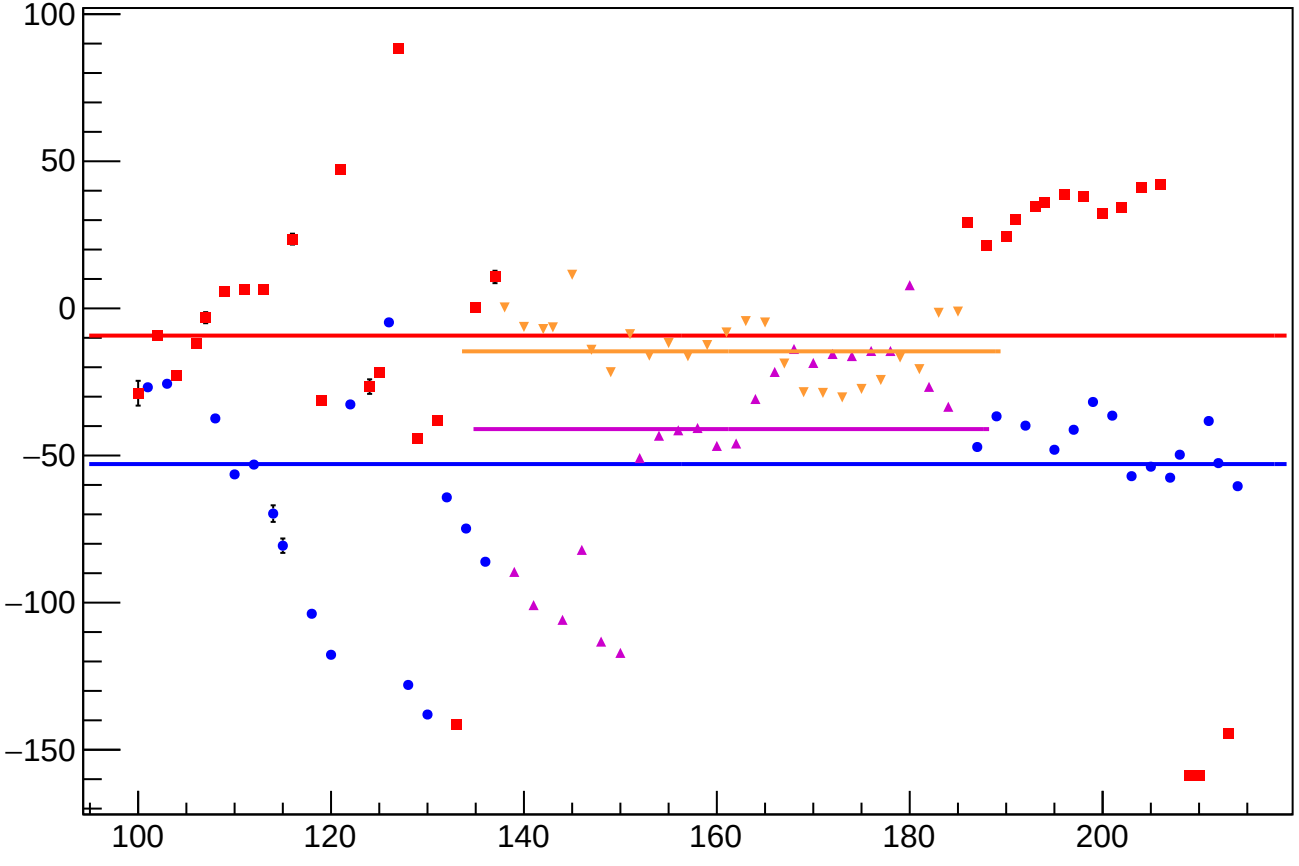
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1326.855+/-0.166 χ^2/NDF: 10953497.4/54

All: 1293.968+/-0.115 χ^2/NDF: 21729569.3/1

- sign 1263.928+/-0.159 χ^2/NDF: 10701183.8/56

diff_bpm1i02X_mean vs Slug



Right In: -52.909+/-0.168 χ^2/NDF: 18382.1/29

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -9.243+/-0.165 χ^2/NDF: 199547.9/33

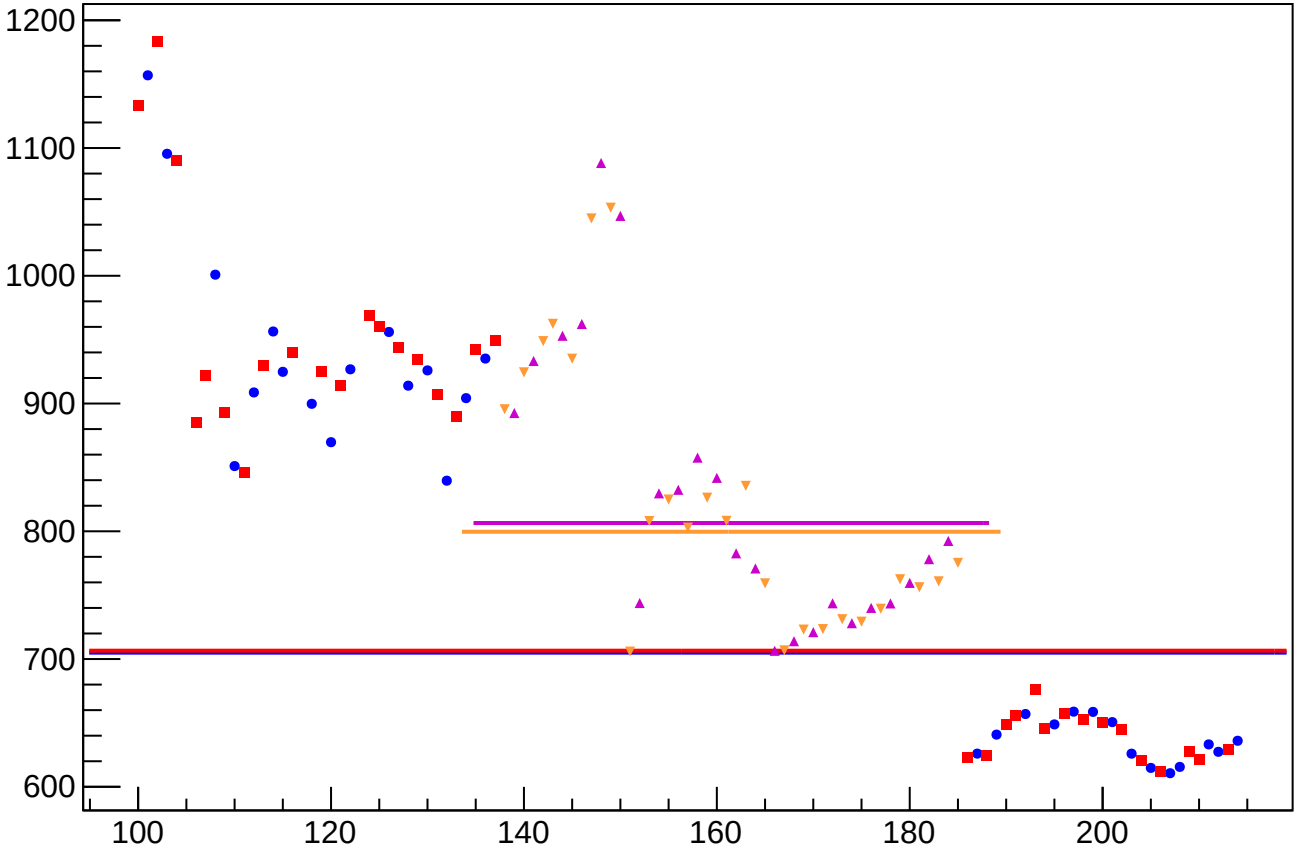
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -35.434+/-0.124 χ^2/NDF: 45393.1/54

All: -29.205+/-0.088 χ^2/NDF: 297121.0/111

- sign -22.892+/-0.124 χ^2/NDF: 246609.9/56

diff_bpm1i02X_rms vs Slug



Right In: 705.013+/-0.118 χ^2/NDF: 1265636.3/29

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 706.528+/-0.116 χ^2/NDF: 1322056.8/33

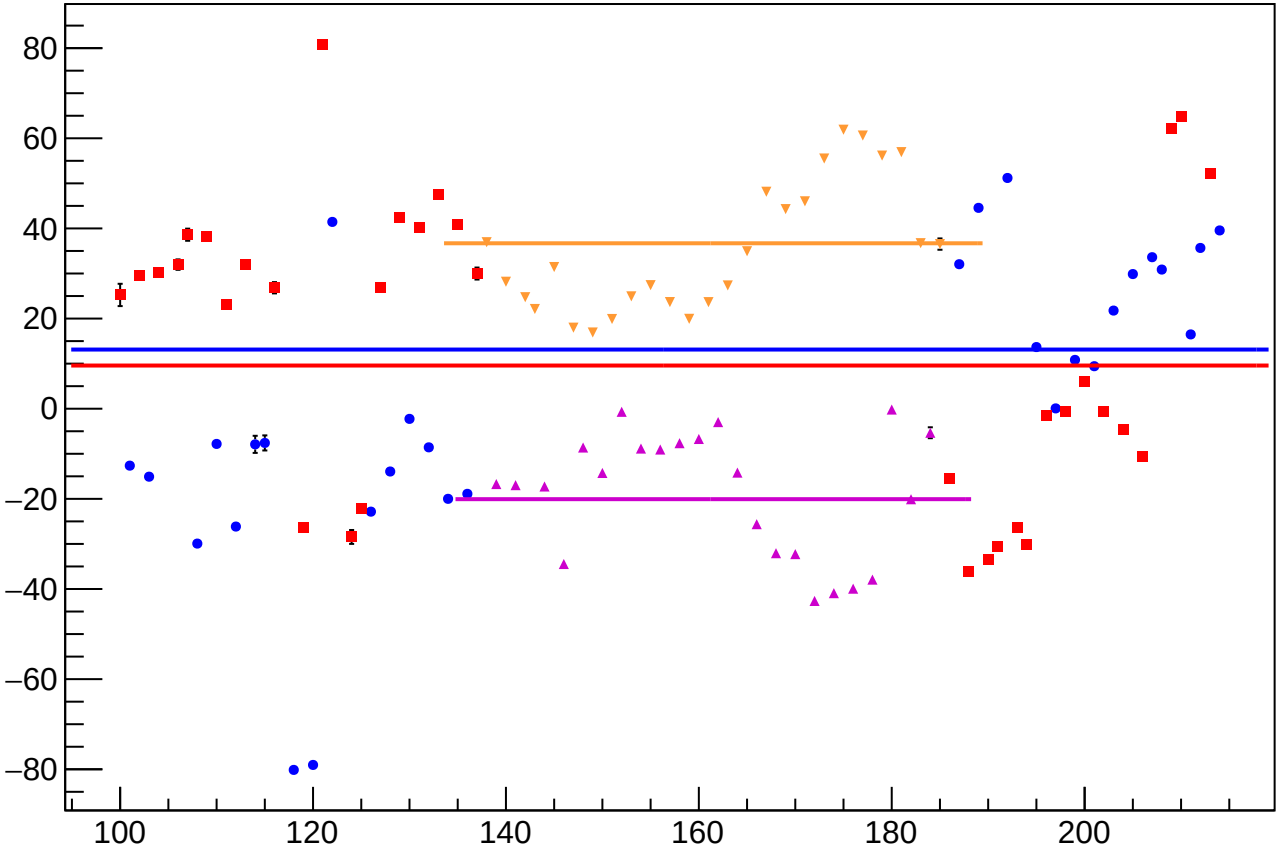
Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 748.174+/-0.087 χ^2/NDF: 2054084.9/54

All: 748.812+/-0.062 χ^2/NDF: 4204019.3/11

- sign 749.458+/-0.088 χ^2/NDF: 2149827.1/56

diff_bpm1i02Y_mean vs Slug



Right In: 13.127+/-0.125 χ^2/NDF: 50346.1/29

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 9.580+/-0.122 χ^2/NDF: 75073.5/33

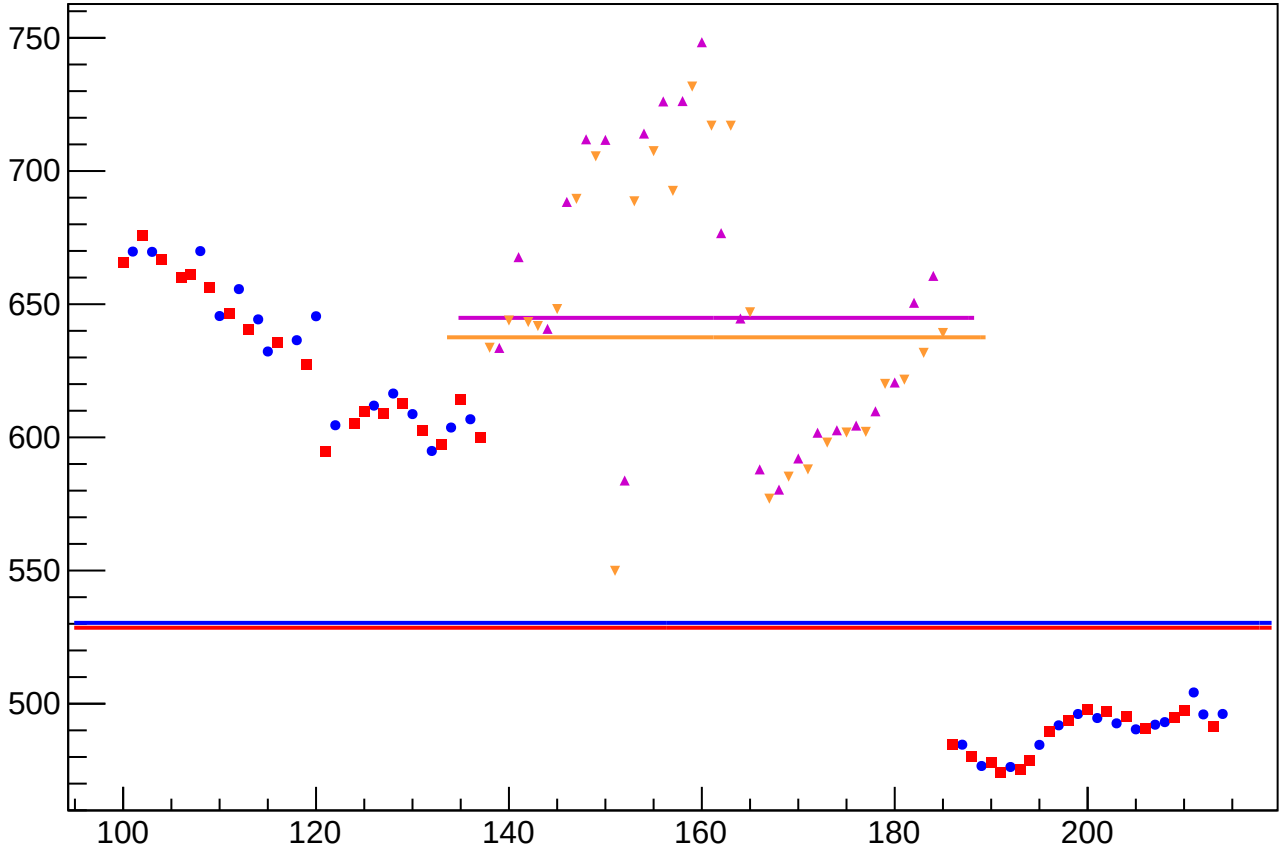
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 23.119+/-0.095 χ^2/NDF: 75722.3/54

All: 10.543+/-0.067 χ^2/NDF: 218036.9/111

- sign -2.099+/-0.095 χ^2/NDF: 106929.7/56

diff_bpm1i02Y_rms vs Slug



Right In: 530.361+/-0.088 χ^2/NDF: 533072.2/29

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 528.535+/-0.086 χ^2/NDF: 569356.3/33

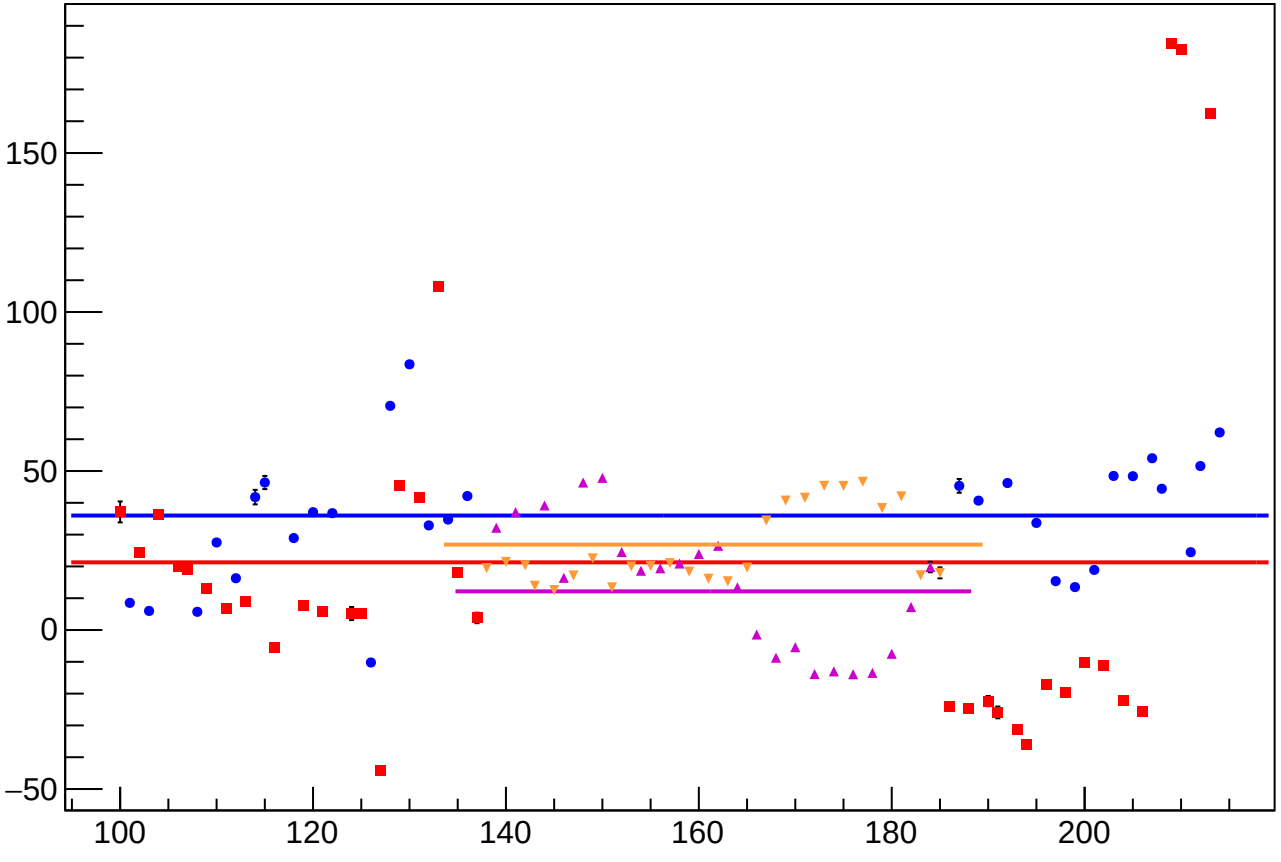
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 575.797+/-0.067 χ^2/NDF: 1395881.4/54

All: 575.081+/-0.047 χ^2/NDF: 2912338.9/111

- sign 574.360+/-0.067 χ^2/NDF: 1516227.7/56

diff_bpm1i04X_mean vs Slug



Right In: 35.998+/-0.202 χ^2/NDF: 9830.4/29

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 21.282+/-0.199 χ^2/NDF: 102878.3/33

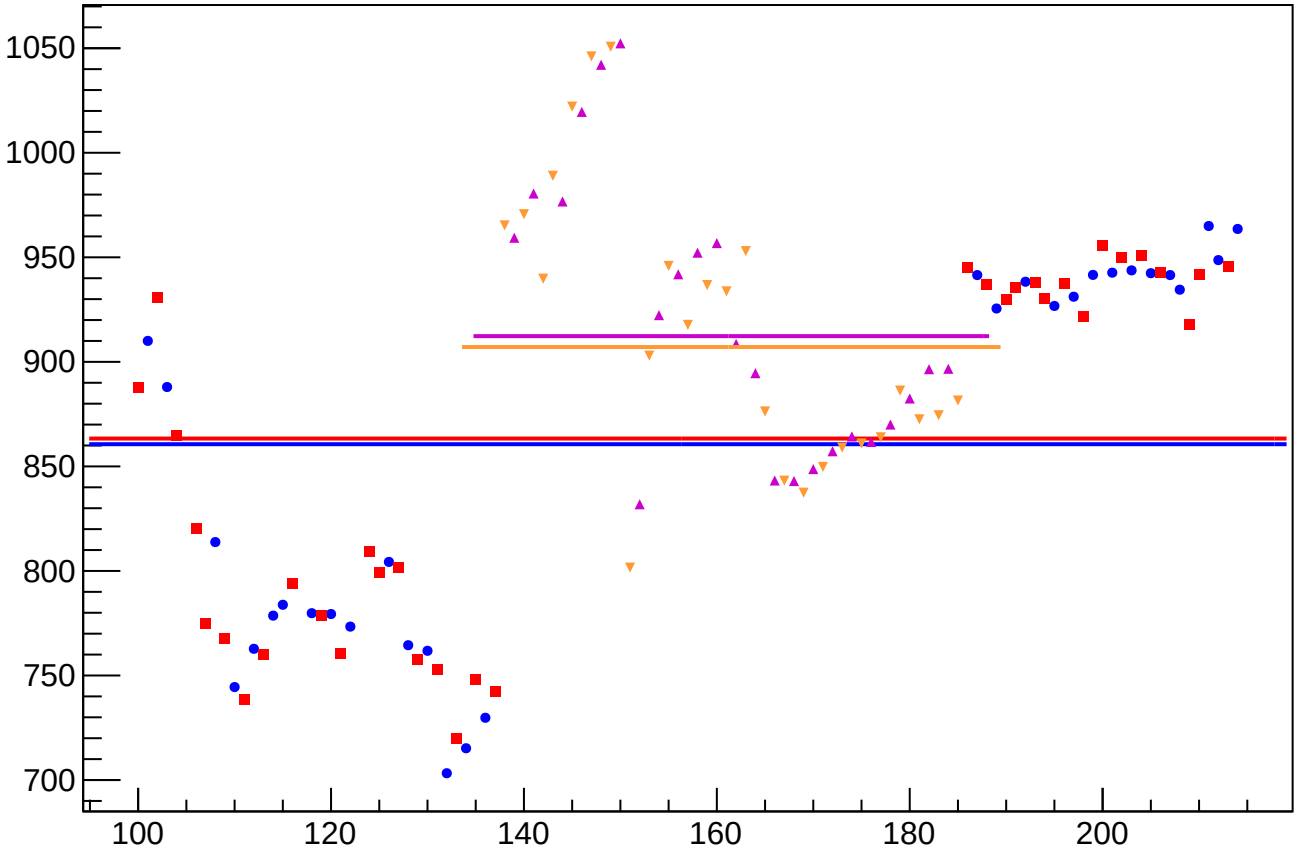
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

+ sign 31.534+/-0.144 χ^2/NDF: 14218.7/54

All: 24.343+/-0.103 χ^2/NDF: 131609.4/111

- sign 17.053+/-0.145 χ^2/NDF: 112403.1/56

diff_bpm1i04X_rms vs Slug



Right In: 860.615+/-0.143 χ^2/NDF: 416337.9/29

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 863.318+/-0.140 χ^2/NDF: 377368.1/33

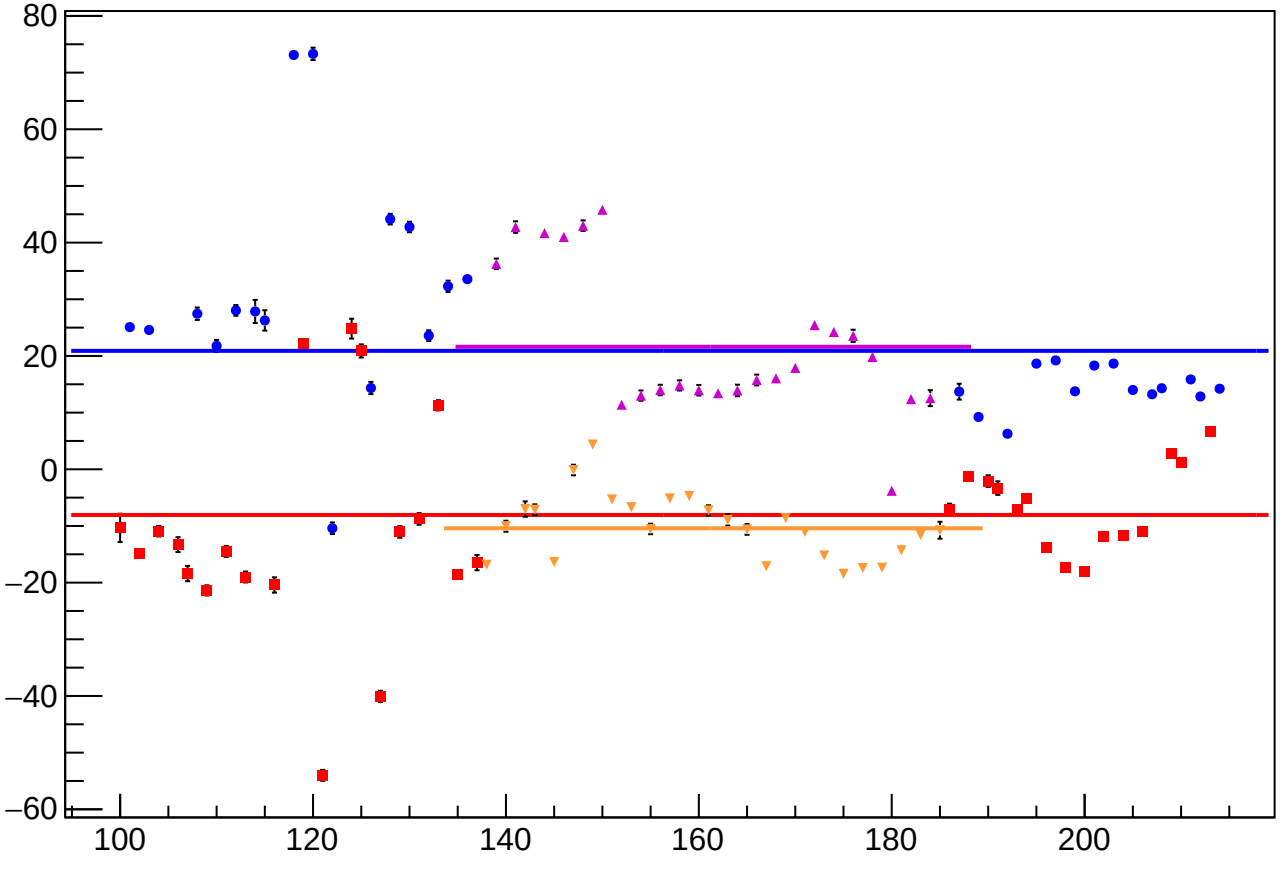
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 883.332+/-0.102 χ^2/NDF: 662641.9/54

All: 884.670+/-0.072 χ^2/NDF: 1271440.3/111

- sign 886.027+/-0.103 χ^2/NDF: 608452.9/56

diff_bpm1i04Y_mean vs Slug



Right In: 20.900+/-0.143 χ^2/NDF: 10342.8/29

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -8.058+/-0.140 χ^2/NDF: 8951.8/33

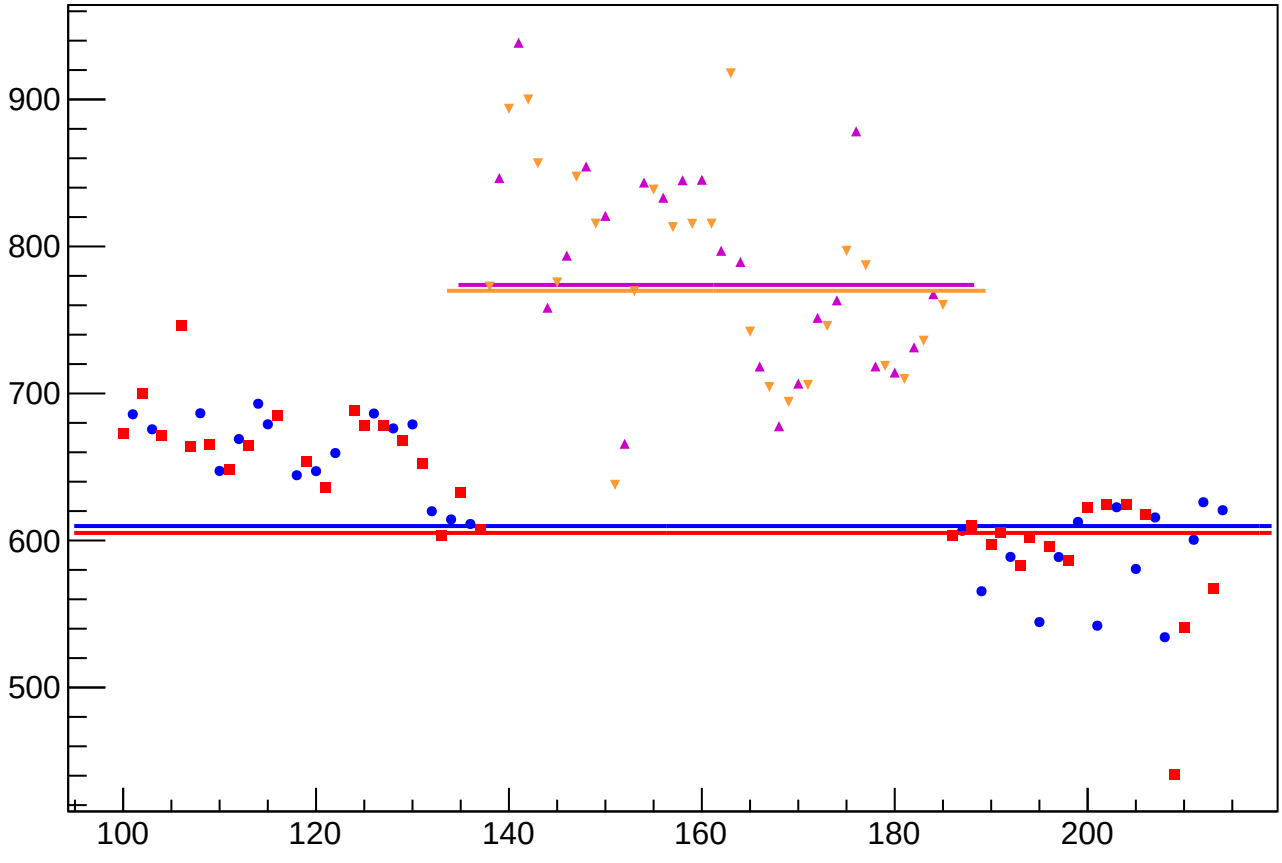
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 8.428+/-0.111 χ^2/NDF: 30419.2/54

All: 5.674+/-0.078 χ^2/NDF: 62590.2/111

- sign 2.937+/-0.111 χ^2/NDF: 30945.8/56

diff_bpm1i04Y_rms vs Slug



Right In: 609.821+/-0.101 χ^2/NDF: 196494.1/29

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 605.138+/-0.099 χ^2/NDF: 408662.5/33

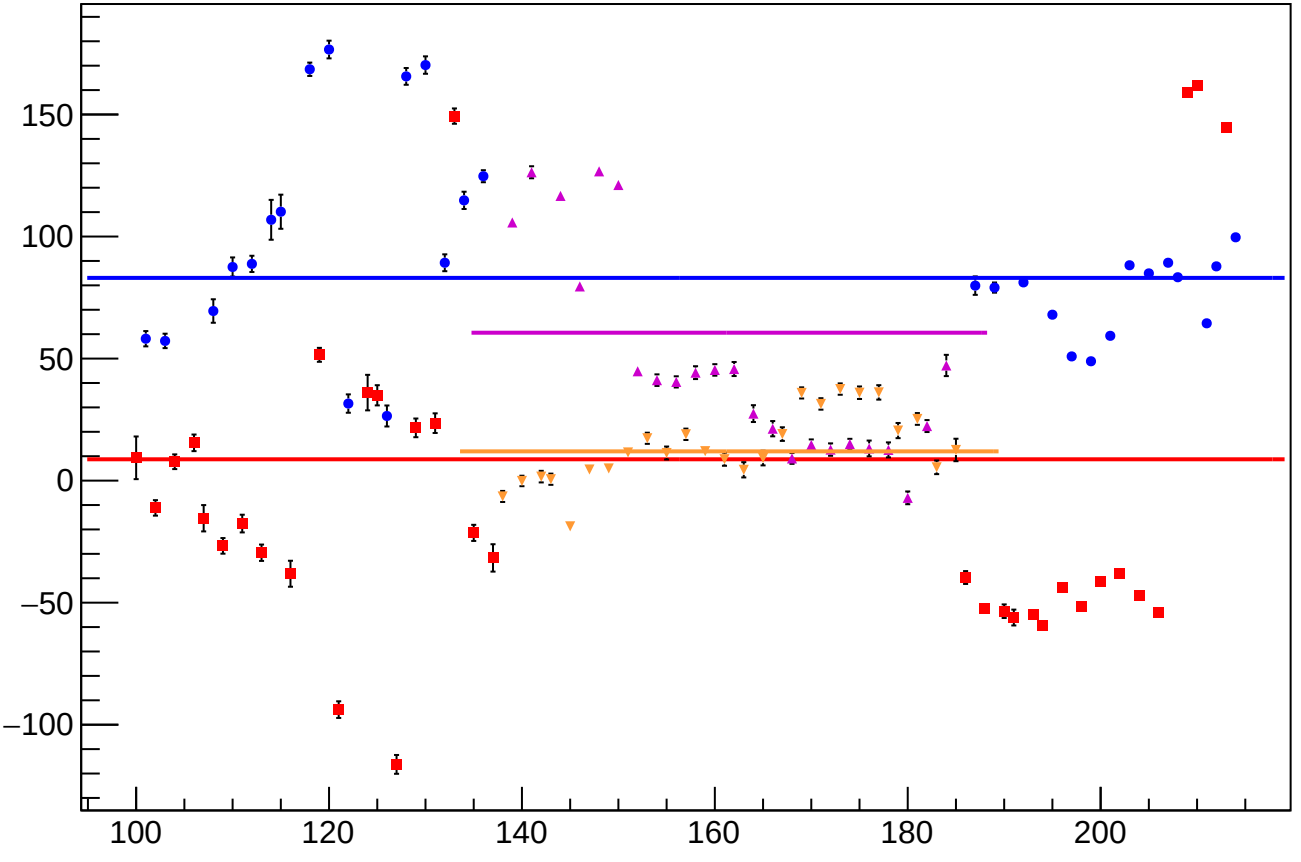
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 673.575+/-0.079 χ^2/NDF: 1495768.9/54

All: 670.598+/-0.055 χ^2/NDF: 3272758.0/11

- sign 667.639+/-0.078 χ^2/NDF: 1774124.5/56

diff_bpm1i06X_mean vs Slug



Right In: 83.060+/-0.431 χ^2/NDF: 4878.4/29

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 8.741+/-0.414 χ^2/NDF: 44523.8/33

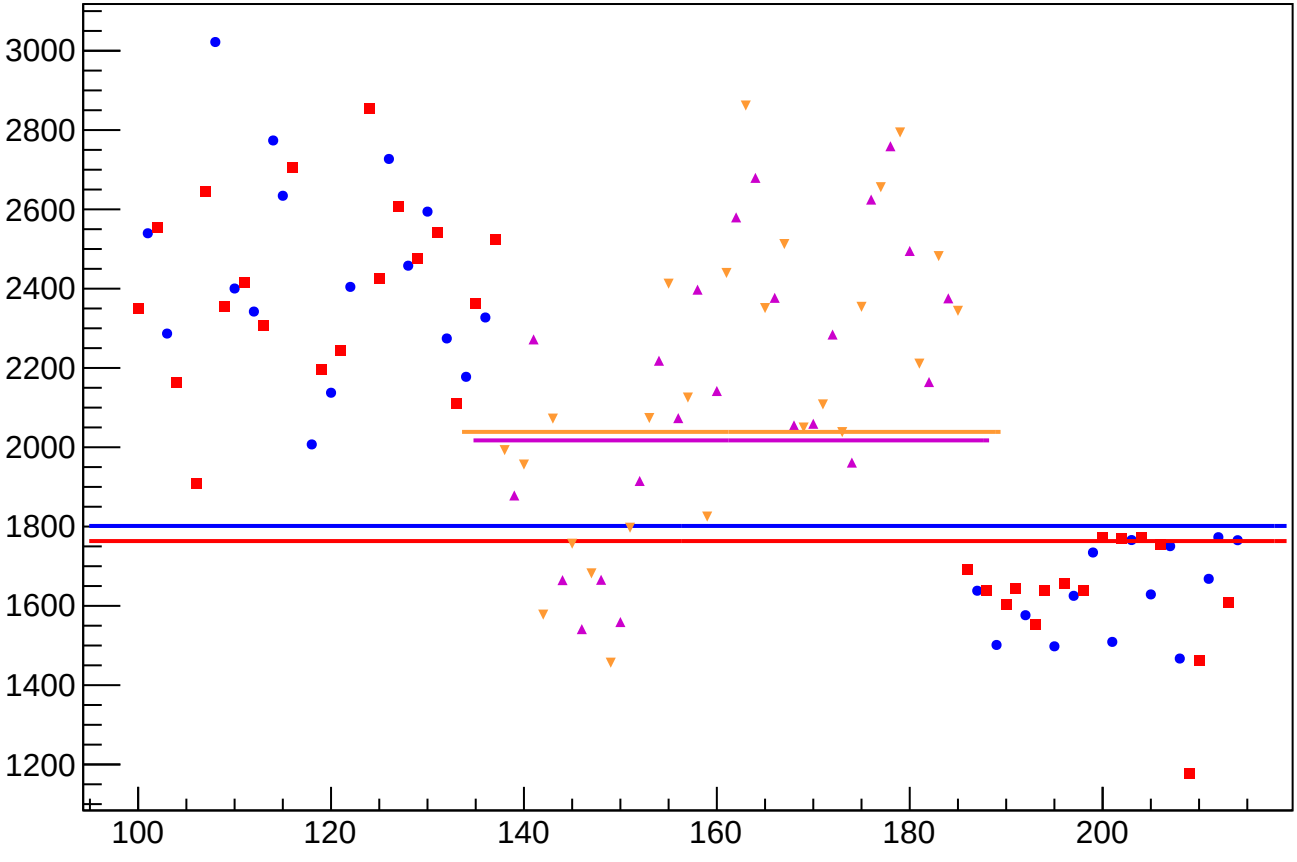
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 50.749+/-0.318 χ^2/NDF: 18214.6/54

All: 40.653+/-0.223 χ^2/NDF: 80044.4/111

- sign 30.818+/-0.314 χ^2/NDF: 59839.2/56

diff_bpm1i06X_rms vs Slug



Right In: 1801.561+/-0.304 χ^2/NDF: 1298100.3/29

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1763.418+/-0.293 χ^2/NDF: 1597961.9/33

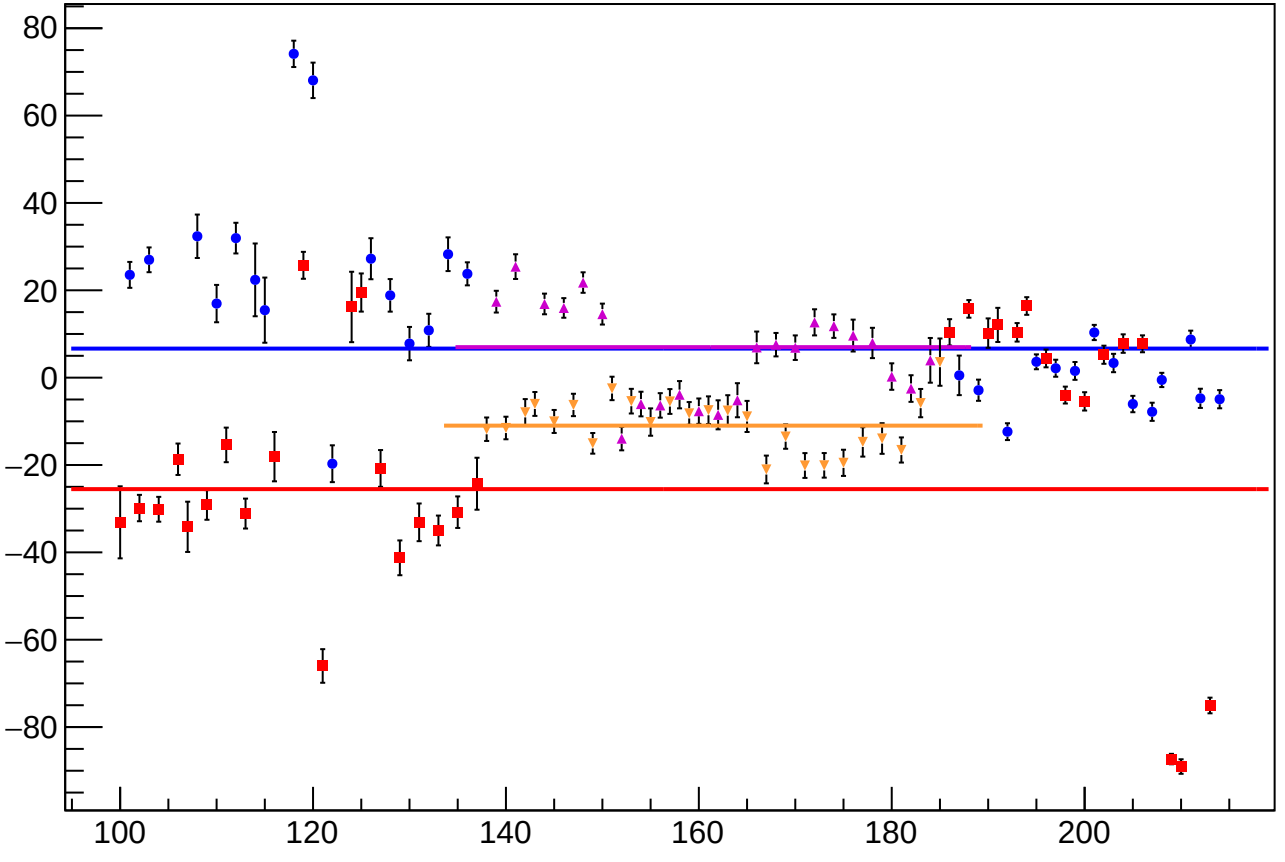
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1909.408+/-0.225 χ^2/NDF: 2697672.5/54

All: 1890.213+/-0.158 χ^2/NDF: 5680235.2/11

- sign 1871.517+/-0.222 χ^2/NDF: 2968172.6/56

diff_bpm1i06Y_mean vs Slug



Right In: 6.653+/-0.466 χ^2/NDF: 1355.2/29

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -25.523+/-0.446 χ^2/NDF: 8142.1/33

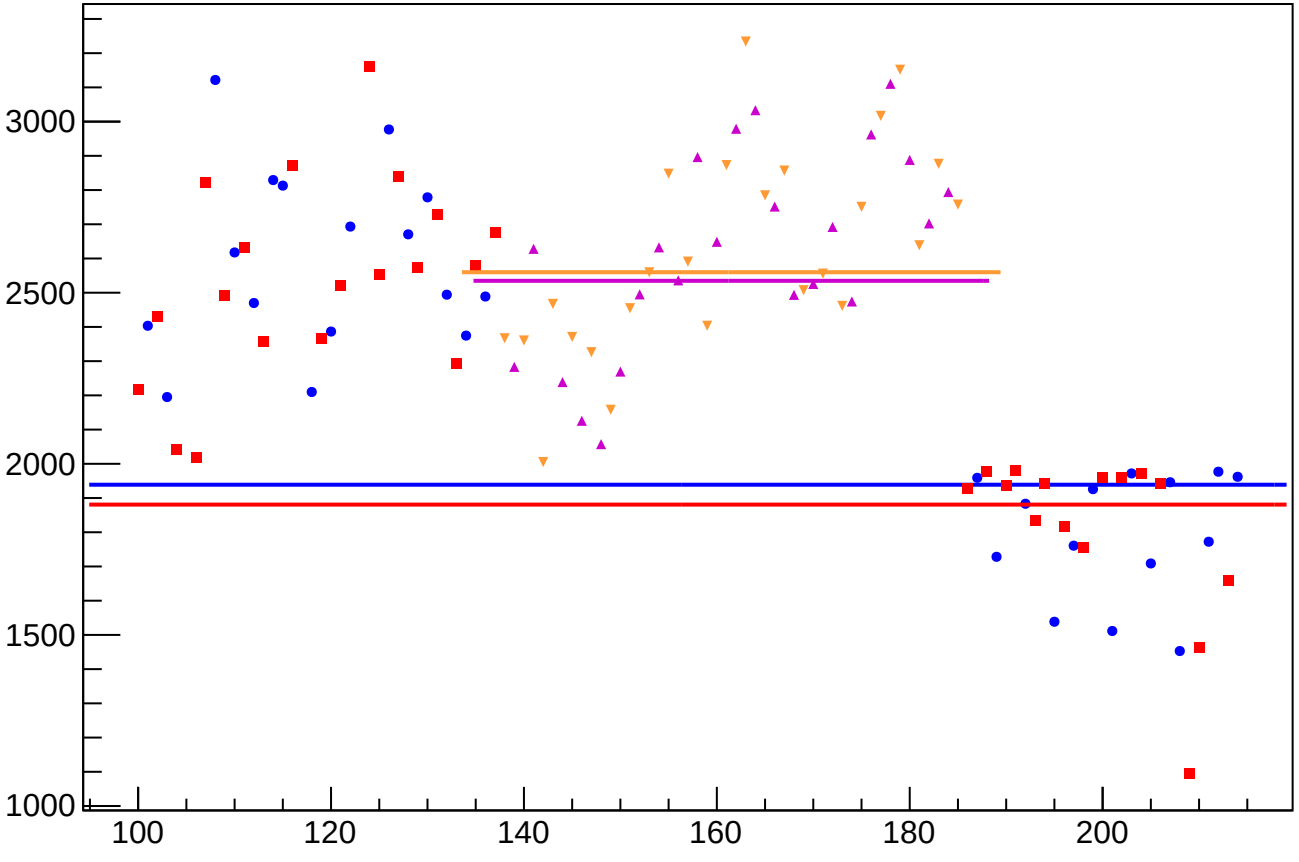
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

\+ sign -0.182+/-0.365 χ^2/NDF: 1997.9/54

All: -7.193+/-0.255 χ^2/NDF: 13102.1/111

\- sign -13.927+/-0.357 χ^2/NDF: 10379.6/56

diff_bpm1i06Y_rms vs Slug



Right In: 1938.897+/-0.330 χ^2/NDF: 1343017.4/29

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

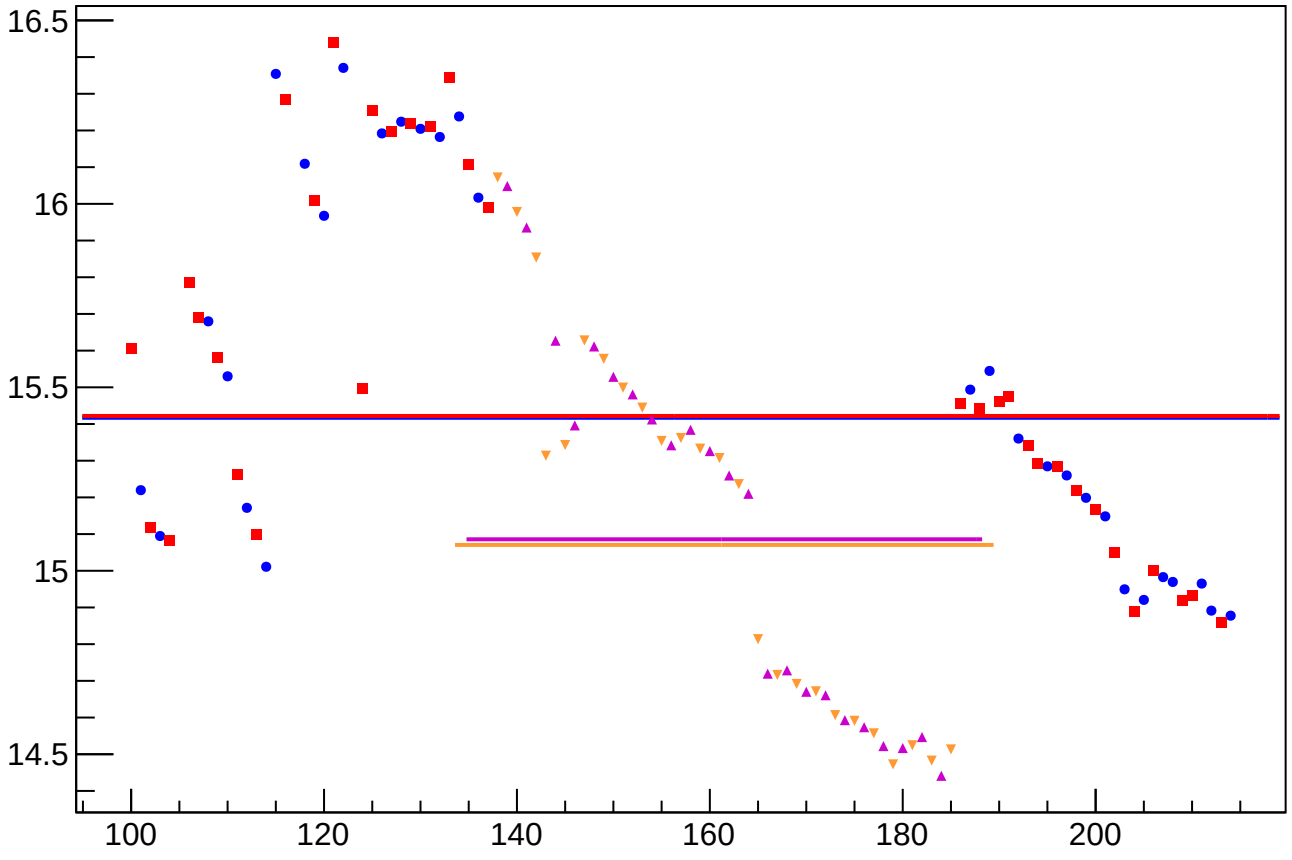
Right Out: 1880.813+/-0.315 χ^2/NDF: 2005772.5/33

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2179.538+/-0.258 χ^2/NDF: 3169604.2/54

All: 2146.155+/-0.181 χ^2/NDF: 7208143.8/11

- sign 2114.090+/-0.253 χ^2/NDF: 4005687.3/56



Right In: 15.417+/-0.000 χ^2/NDF: 26444828994.1/29

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.422+/-0.000 χ^2/NDF: 23396096009.7/33

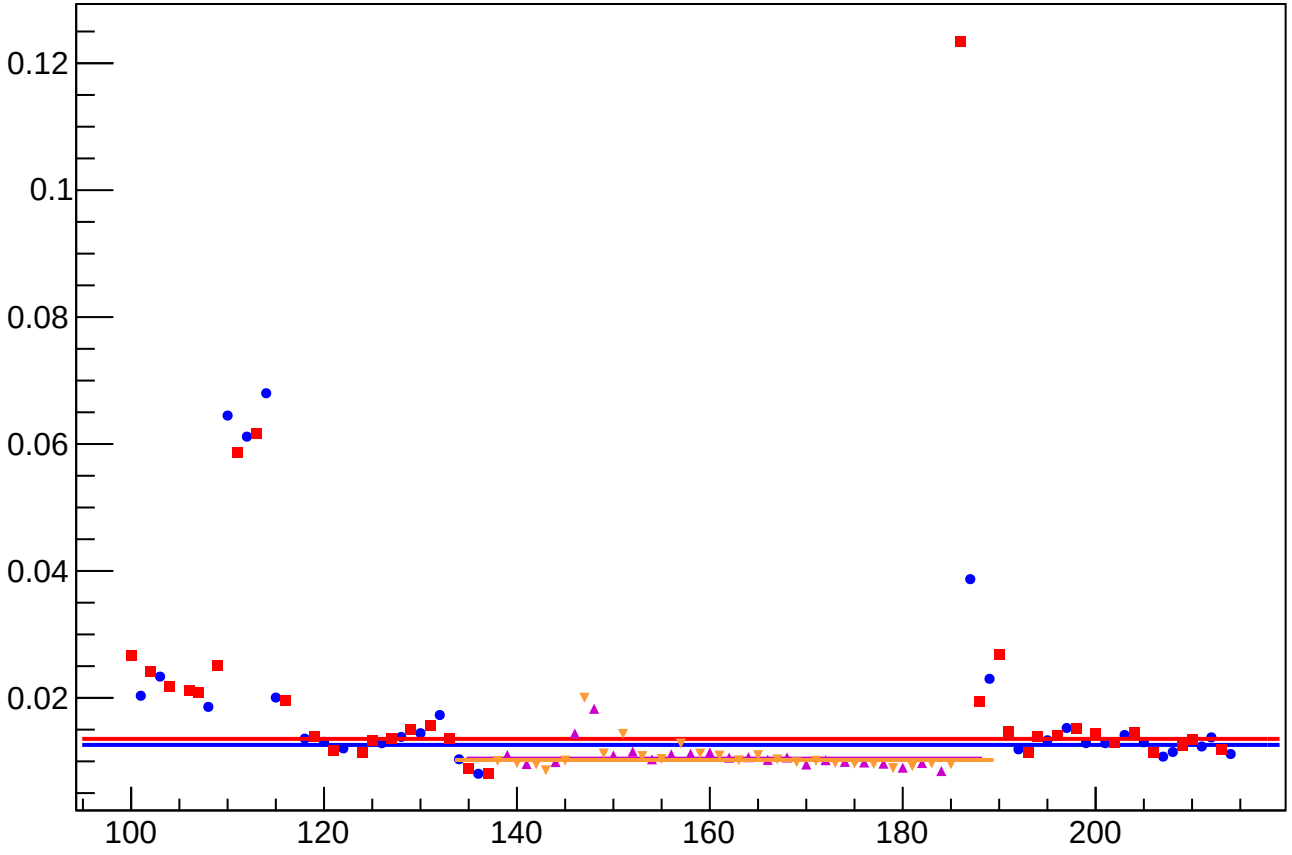
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.197+/-0.000 χ^2/NDF: 77799521019.7/54

All: 15.202+/-0.000 χ^2/NDF: 147142338298.

- sign 15.207+/-0.000 χ^2/NDF: 69330667825.4/56

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2876183.8/29

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

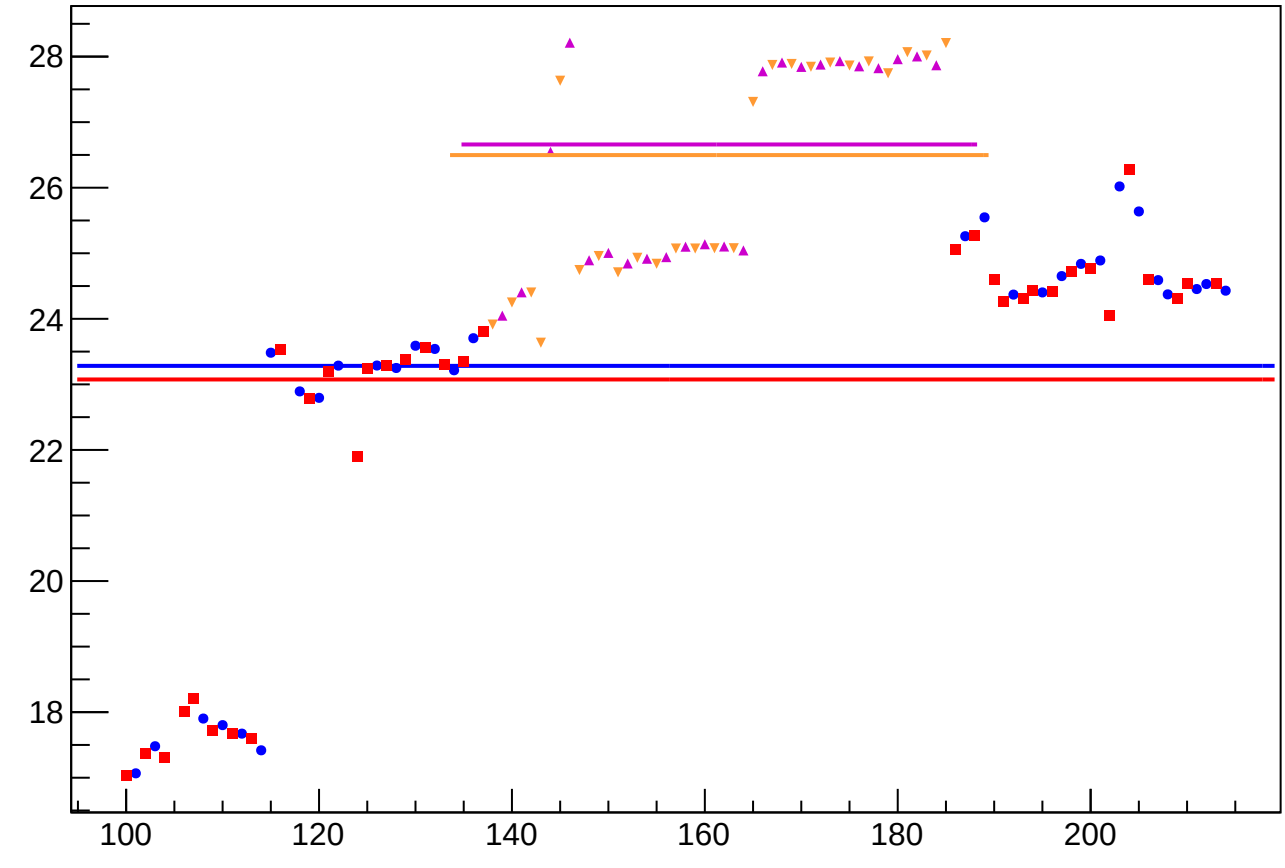
Right Out: 0.014+/-0.000 χ^2/NDF: 3393624.0/33

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4354262.2/54

All: 0.011+/-0.000 χ^2/NDF: 9504019.9/111

- sign 0.012+/-0.000 χ^2/NDF: 5093950.0/56



Right In: 23.282+/-0.000 χ^2/NDF: 1647542490.8/29

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.075+/-0.000 χ^2/NDF: 1725924187.0/33

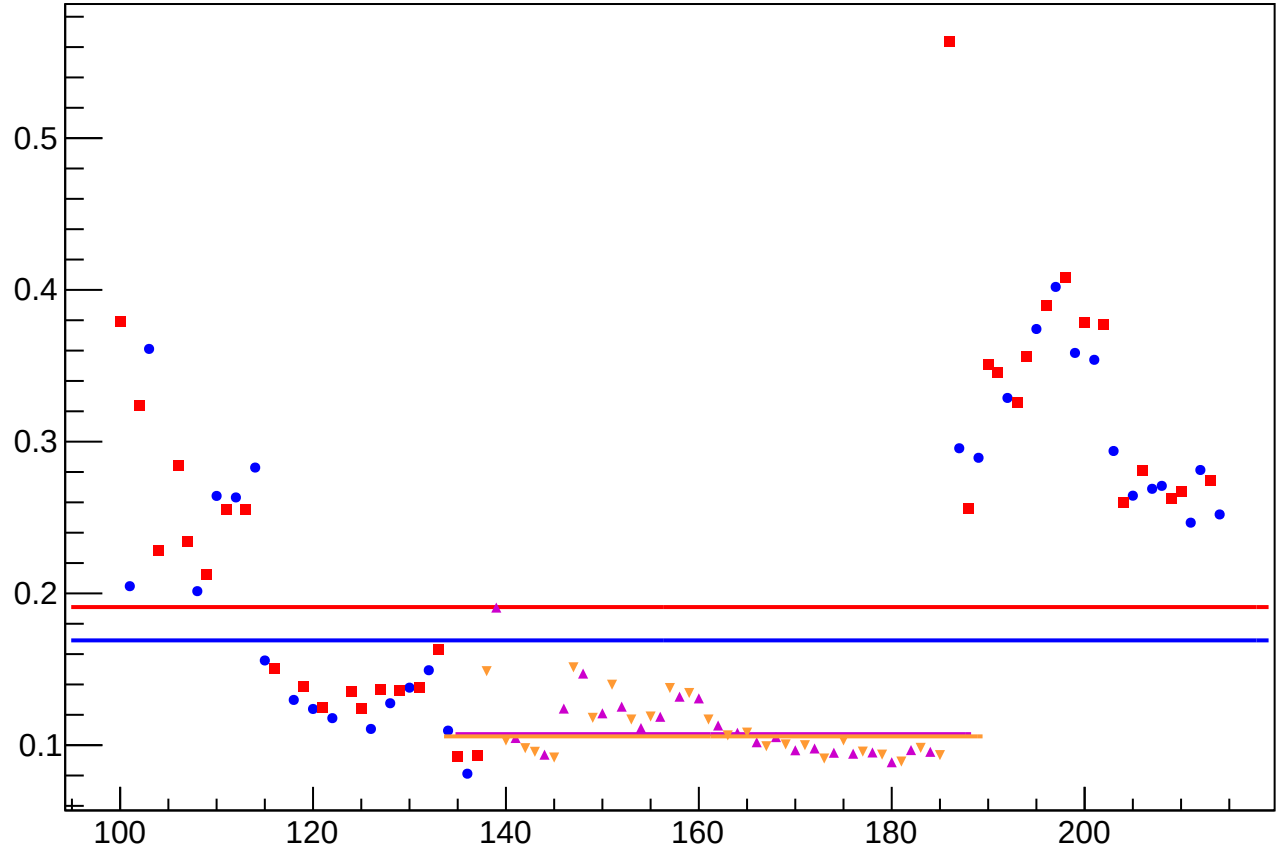
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.729+/-0.000 χ^2/NDF: 9221704442.8/54

All: 25.787+/-0.000 χ^2/NDF: 17785175858.2

- sign 25.852+/-0.000 χ^2/NDF: 8549475351.8/56

yield_sam2_rms vs Slug



Right In: 0.169+/-0.000 χ^2/NDF: 7358391.8/29

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.191+/-0.000 χ^2/NDF: 6662763.2/33

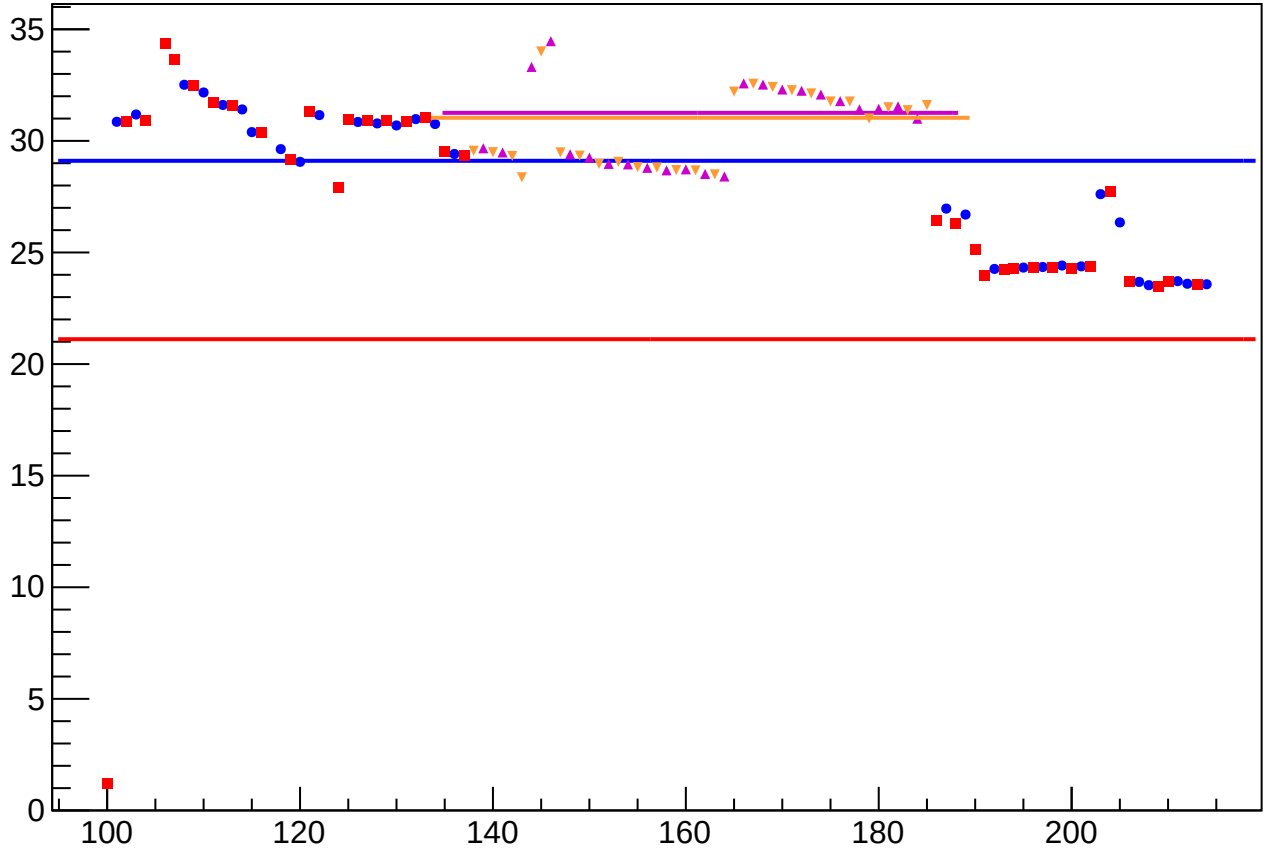
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.121+/-0.000 χ^2/NDF: 10951580.3/54

All: 0.123+/-0.000 χ^2/NDF: 22819882.2/111

- sign 0.126+/-0.000 χ^2/NDF: 11818057.2/56

yield_sam3_mean vs Slug



Right In: 29.107+/-0.000 χ^2/NDF: 7869713034.1/29

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.115+/-0.000 χ^2/NDF: 226287297000.4/33

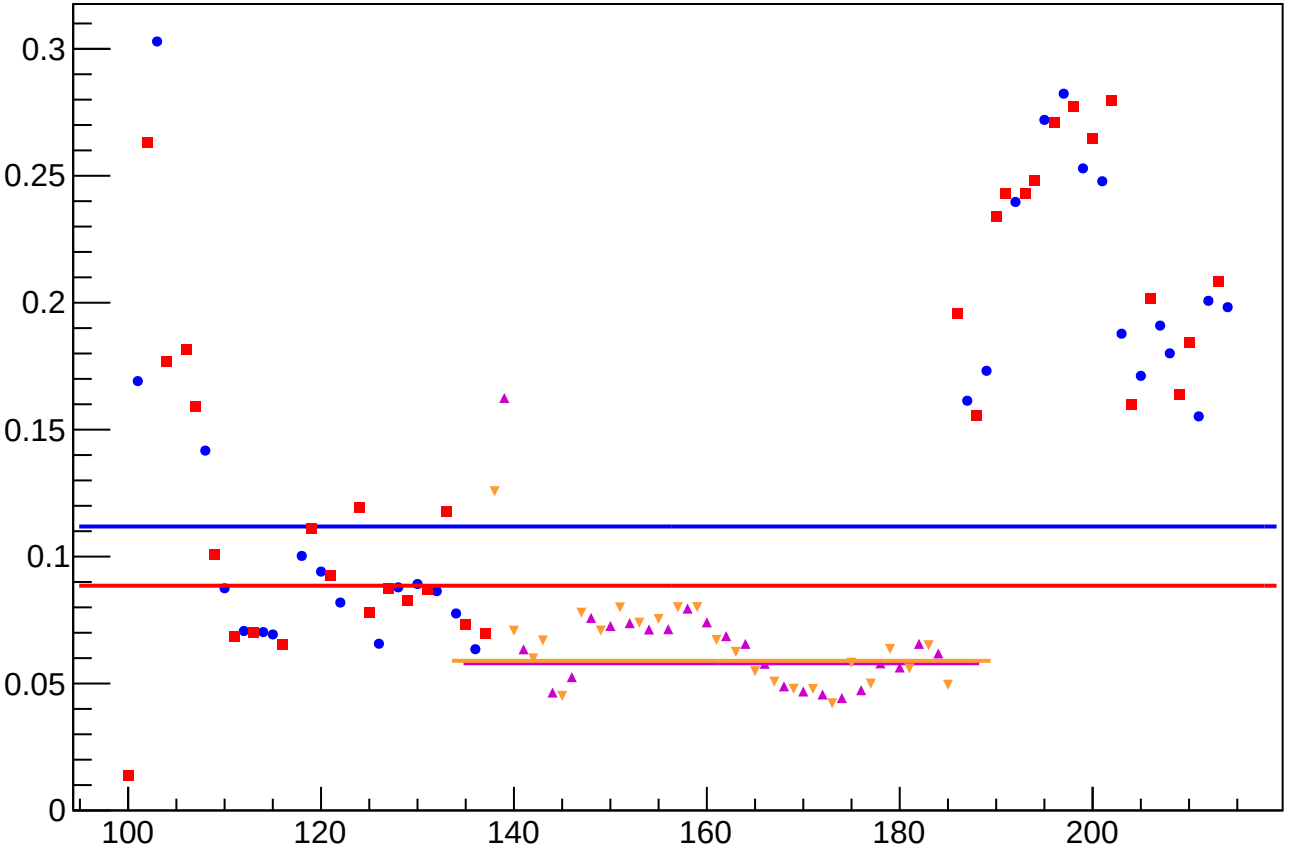
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.660+/-0.000 χ^2/NDF: 22864361214.7/54

All: 29.695+/-0.000 χ^2/NDF: 375987480214.

- sign 28.759+/-0.000 χ^2/NDF: 343372273812.6/56

yield_sam3_rms vs Slug



Right In: 0.112+/-0.000 χ^2/NDF: 7243096.0/29

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.089+/-0.000 χ^2/NDF: 13373765.2/33

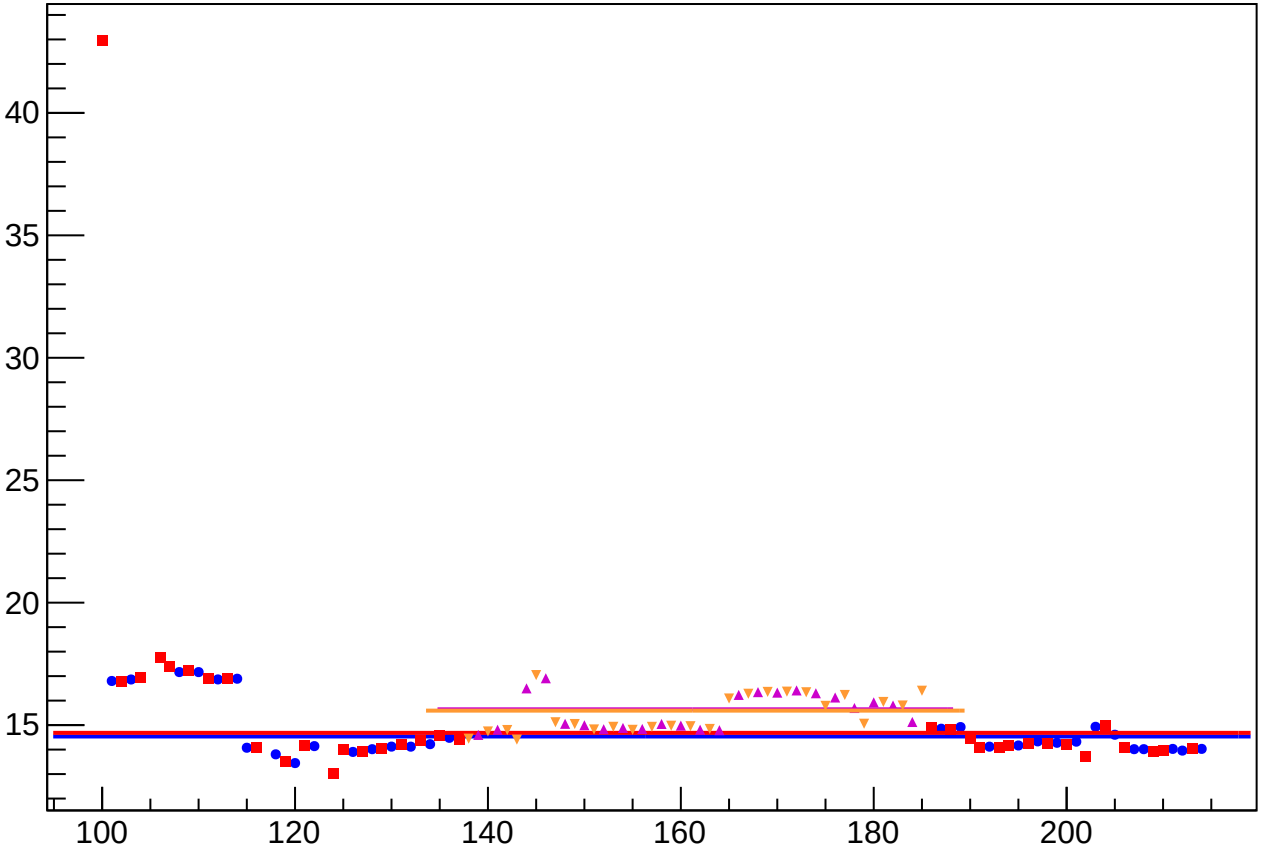
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.069+/-0.000 χ^2/NDF: 13446099.2/54

All: 0.067+/-0.000 χ^2/NDF: 30507948.1/111

- sign 0.066+/-0.000 χ^2/NDF: 16986692.9/56

yield_sam4_mean vs Slug



Right In: 14.535+/-0.000 χ^2/NDF: 1270522158.9/29

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.683+/-0.000 χ^2/NDF: 1874101343.1/33

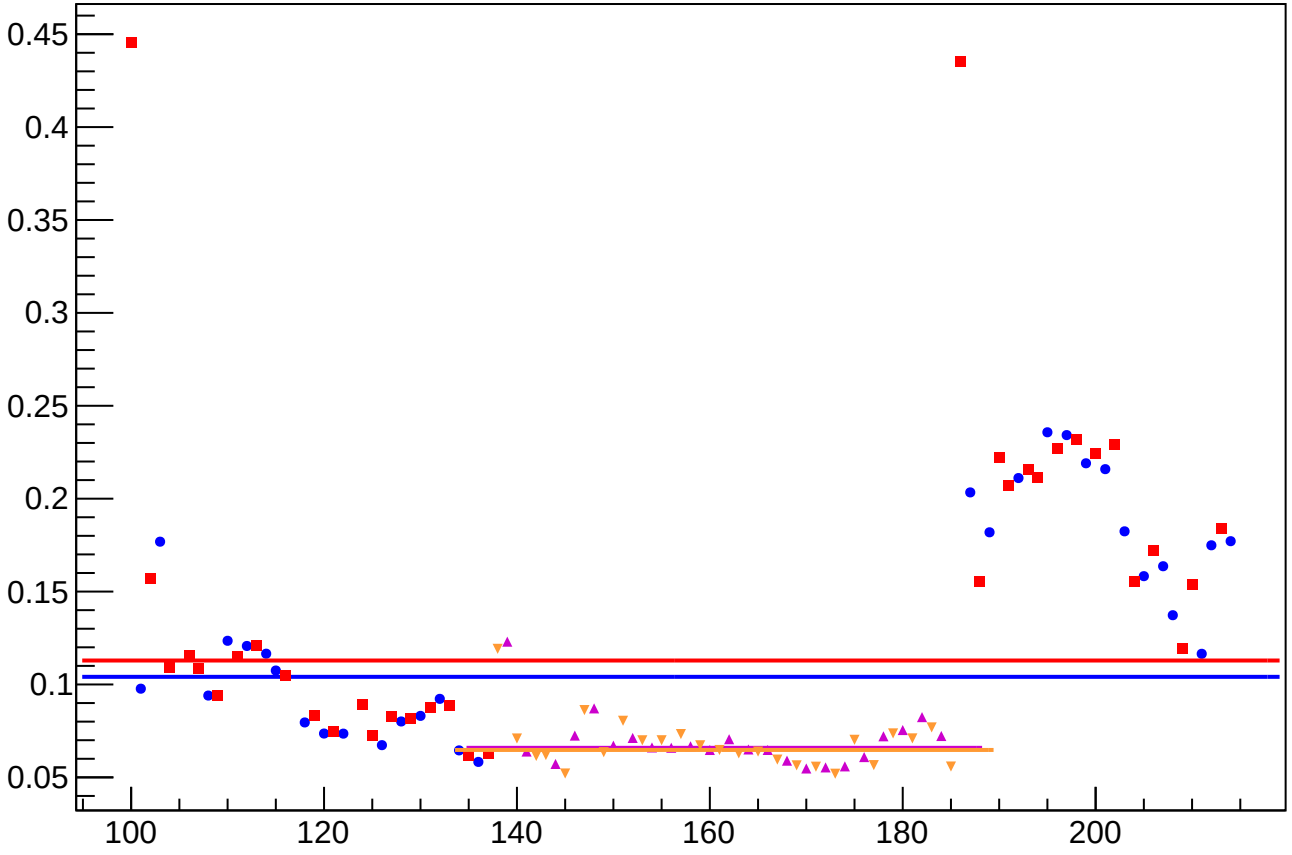
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.329+/-0.000 χ^2/NDF: 4608412261.1/54

All: 15.368+/-0.000 χ^2/NDF: 9165793297.5/1

- sign 15.410+/-0.000 χ^2/NDF: 4541421972.4/56

yield_sam4_rms vs Slug



Right In: 0.104+/-0.000 χ^2/NDF: 6173289.2/29

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.113+/-0.000 χ^2/NDF: 5938528.0/33

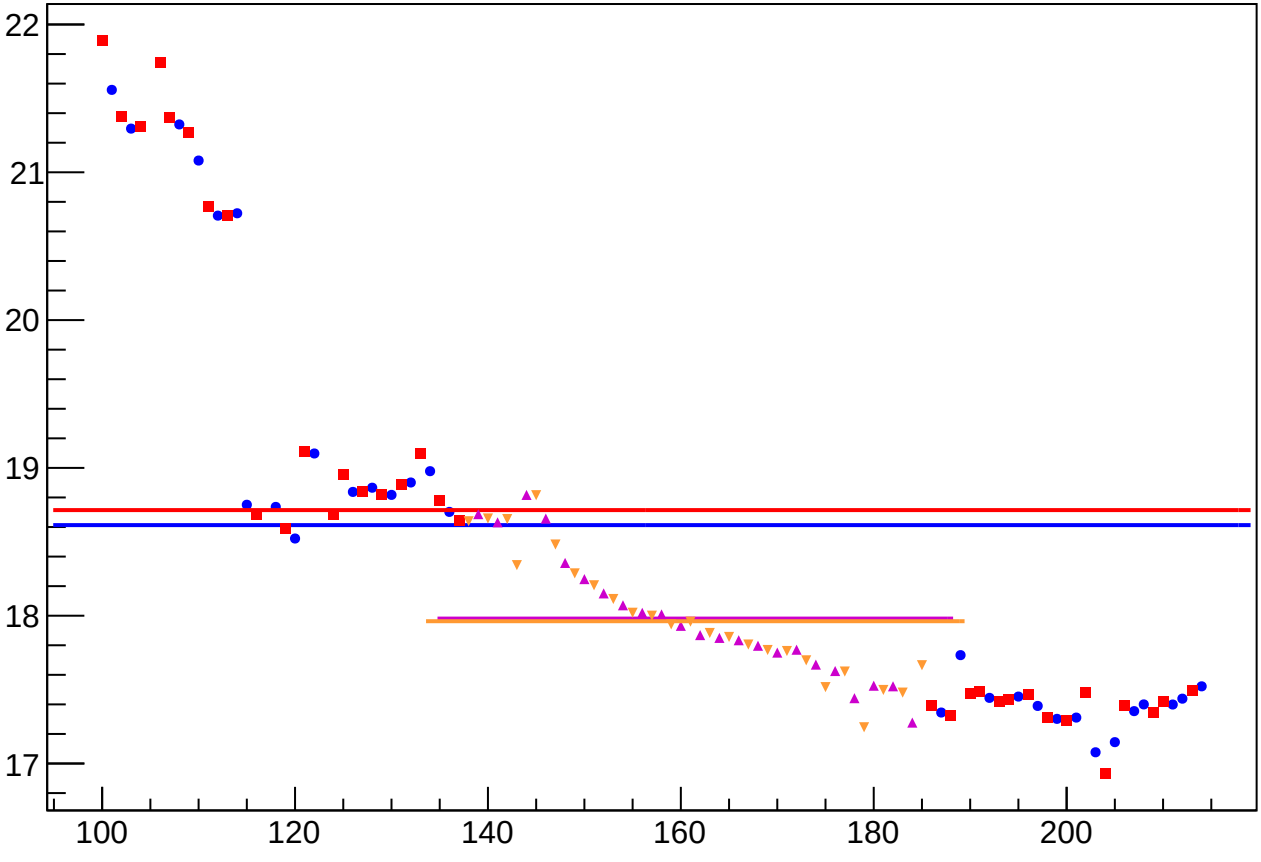
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.075+/-0.000 χ^2/NDF: 10029809.9/54

All: 0.076+/-0.000 χ^2/NDF: 20664025.2/111

- sign 0.077+/-0.000 χ^2/NDF: 10593219.6/56

yield_sam5_mean vs Slug



Right In: 18.613+/-0.000 χ^2/NDF: 34934211195.3/29

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.715+/-0.000 χ^2/NDF: 37430833187.4/33

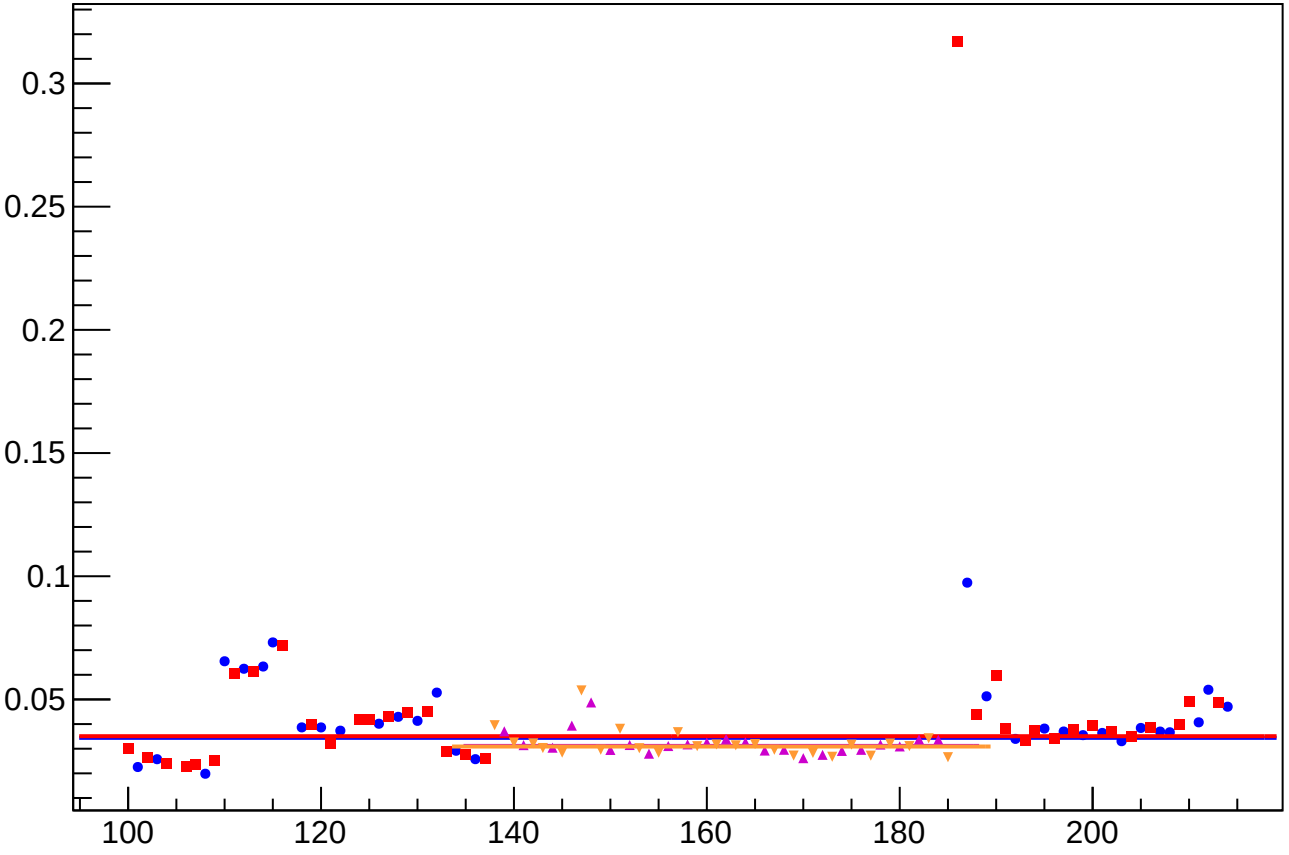
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.233+/-0.000 χ^2/NDF: 41344860985.1/54

All: 18.264+/-0.000 χ^2/NDF: 85707586917.1

- sign 18.297+/-0.000 χ^2/NDF: 44297608802.4/56

yield_sam5_rms vs Slug



Right In: 0.034+/-0.000 χ^2/NDF: 2355356.4/29

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.035+/-0.000 χ^2/NDF: 2577576.9/33

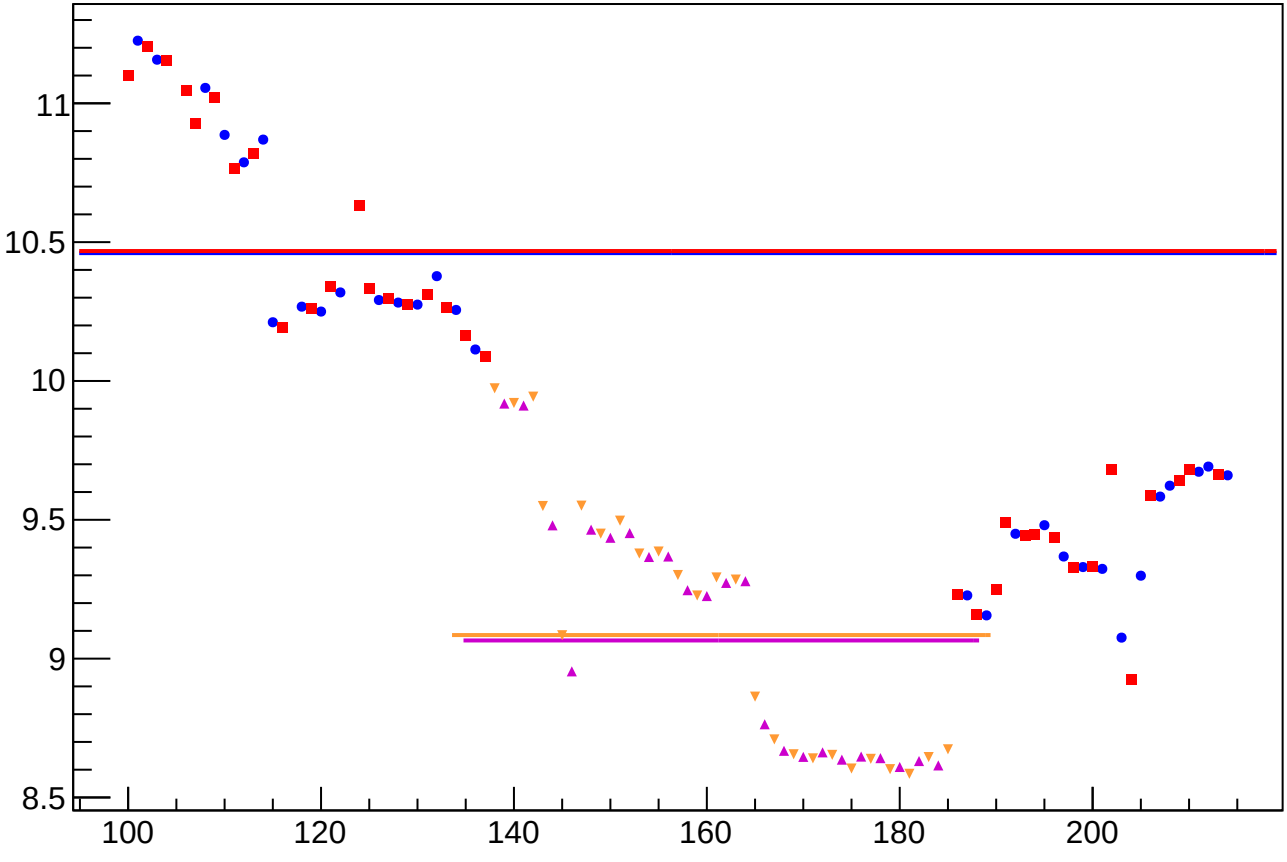
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 3186796.8/54

All: 0.033+/-0.000 χ^2/NDF: 6493771.5/111

- sign 0.033+/-0.000 χ^2/NDF: 3299576.8/56

yield_sam6_mean vs Slug



Right In: 10.460+/-0.000 χ^2/NDF: 15635121412.0/29

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.468+/-0.000 χ^2/NDF: 14113491435.2/33

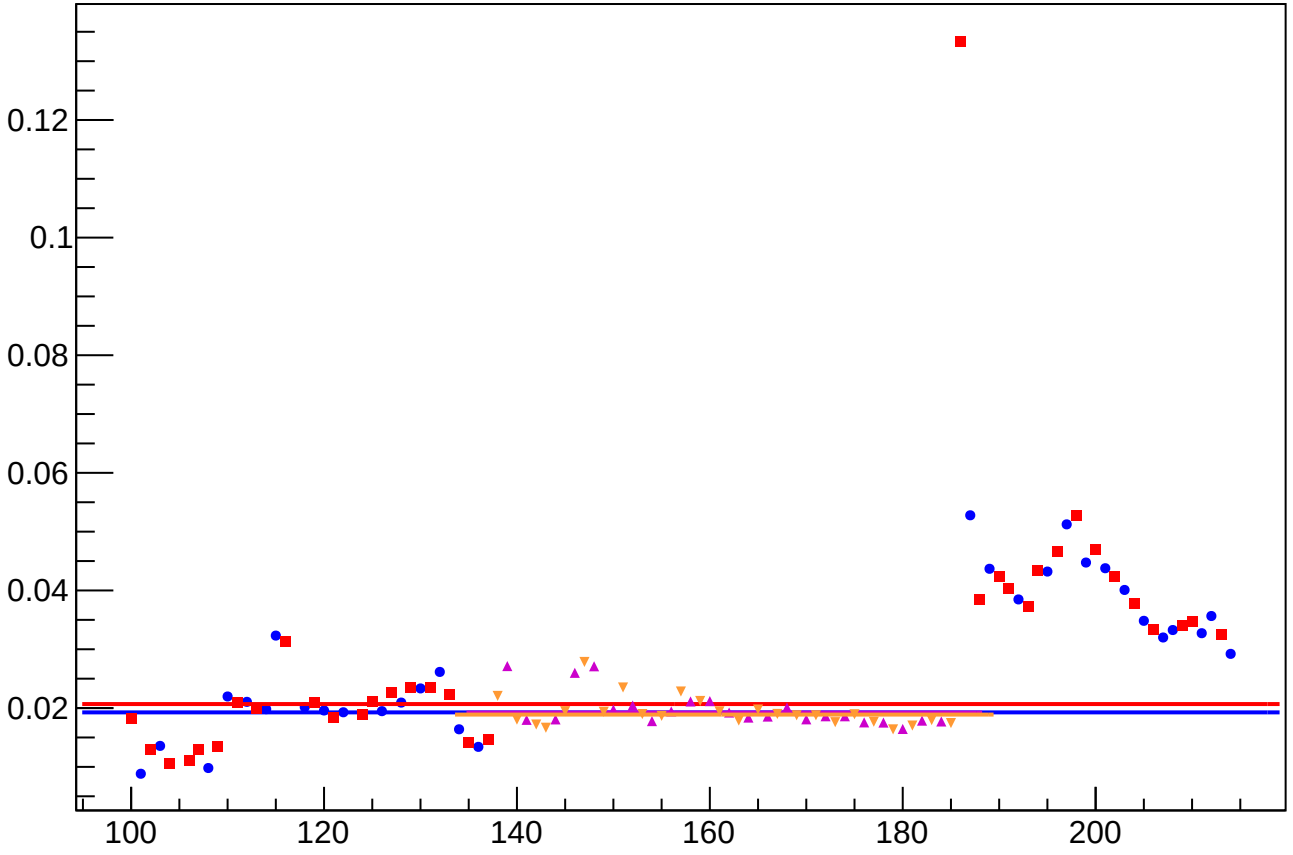
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.659+/-0.000 χ^2/NDF: 64782336124.2/54

All: 9.658+/-0.000 χ^2/NDF: 124154021794.8

- sign 9.658+/-0.000 χ^2/NDF: 59371553352.8/56

yield_sam6_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 8130443.9/29

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 7929161.5/33

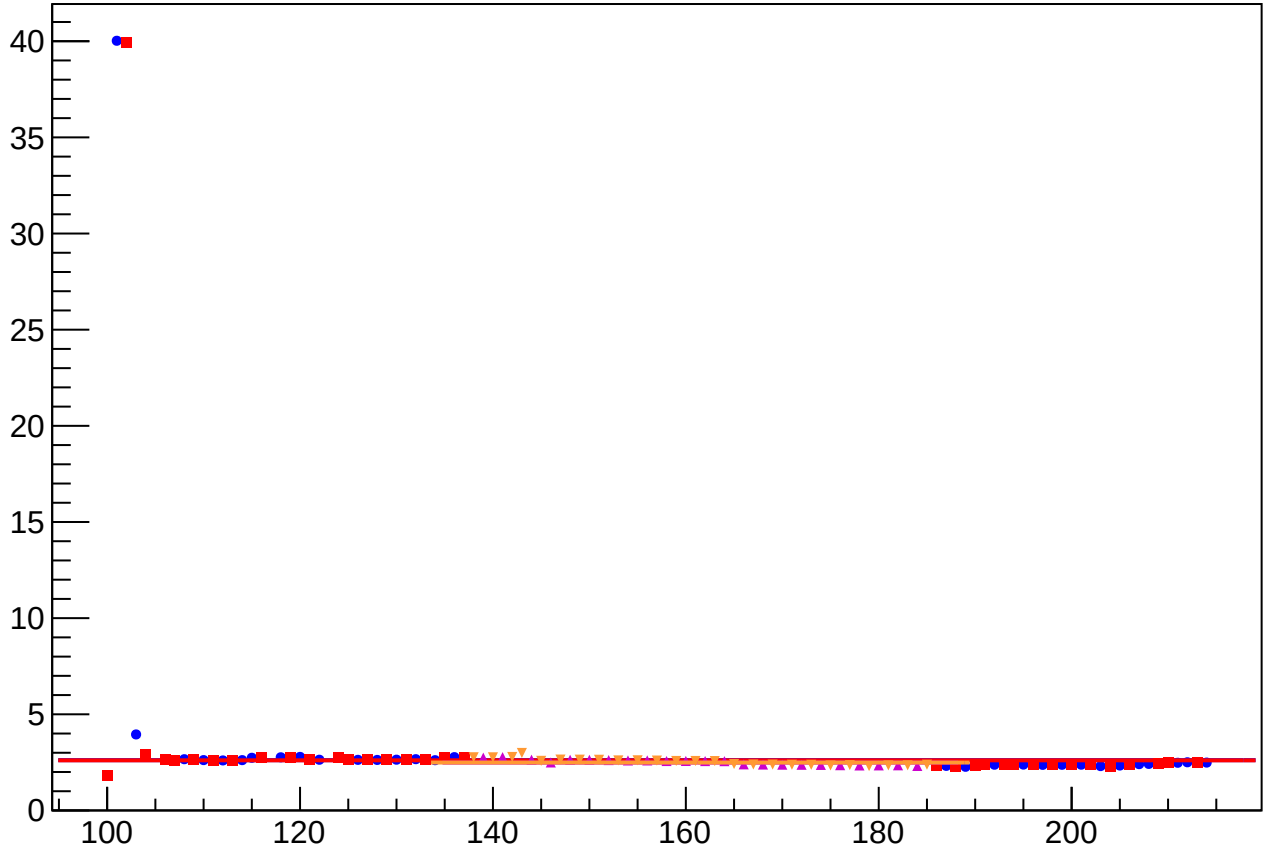
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 8577525.6/54

All: 0.019+/-0.000 χ^2/NDF: 17178272.7/111

- sign 0.020+/-0.000 χ^2/NDF: 8549723.8/56

yield_sam7_mean vs Slug



Right In: 2.616+/-0.000 χ^2/NDF: 87452064381.0/29

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.607+/-0.000 χ^2/NDF: 85289885837.3/33

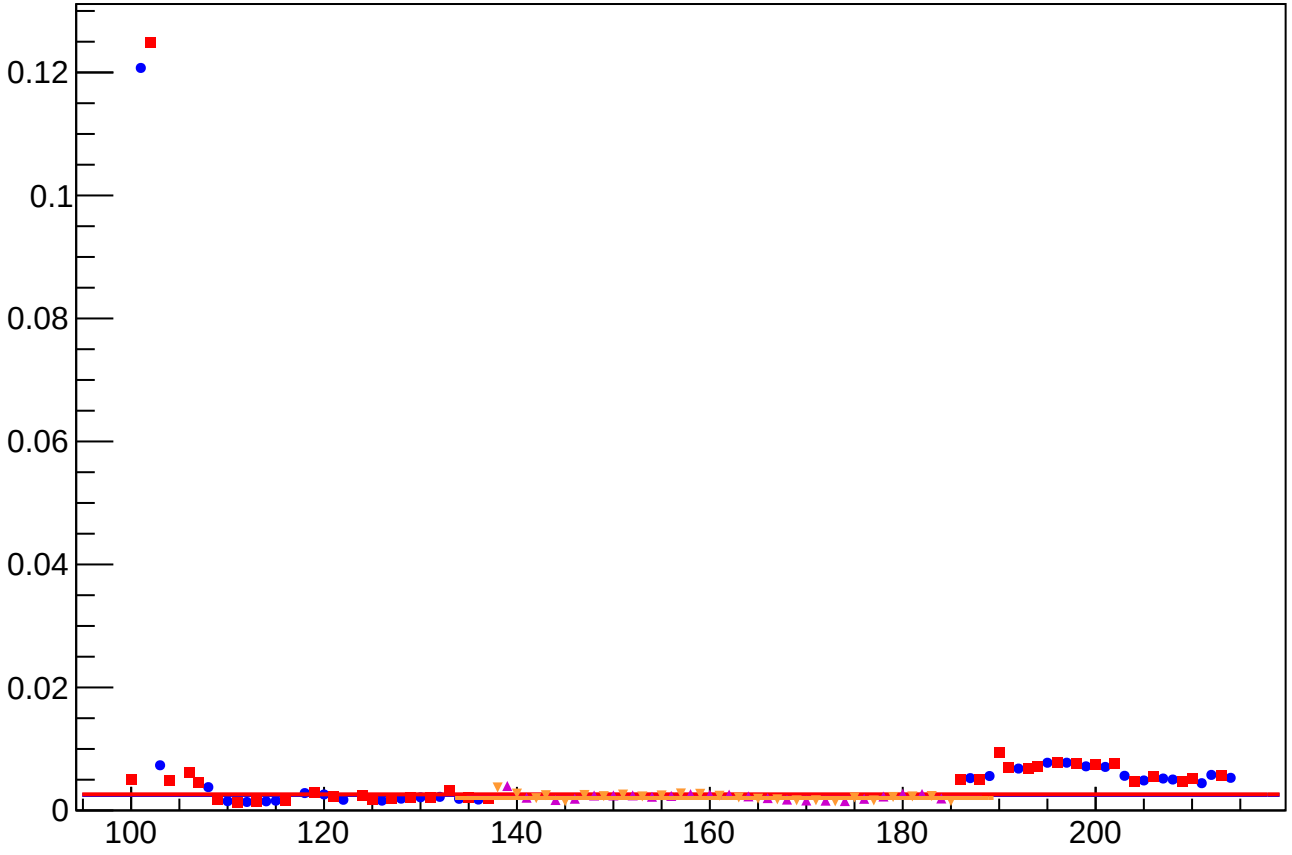
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.531+/-0.000 χ^2/NDF: 198489627959.9/54

All: 2.530+/-0.000 χ^2/NDF: 361046751092.6

- sign 2.528+/-0.000 χ^2/NDF: 162532995228.4/56

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 10326123.1/29

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11360724.2/33

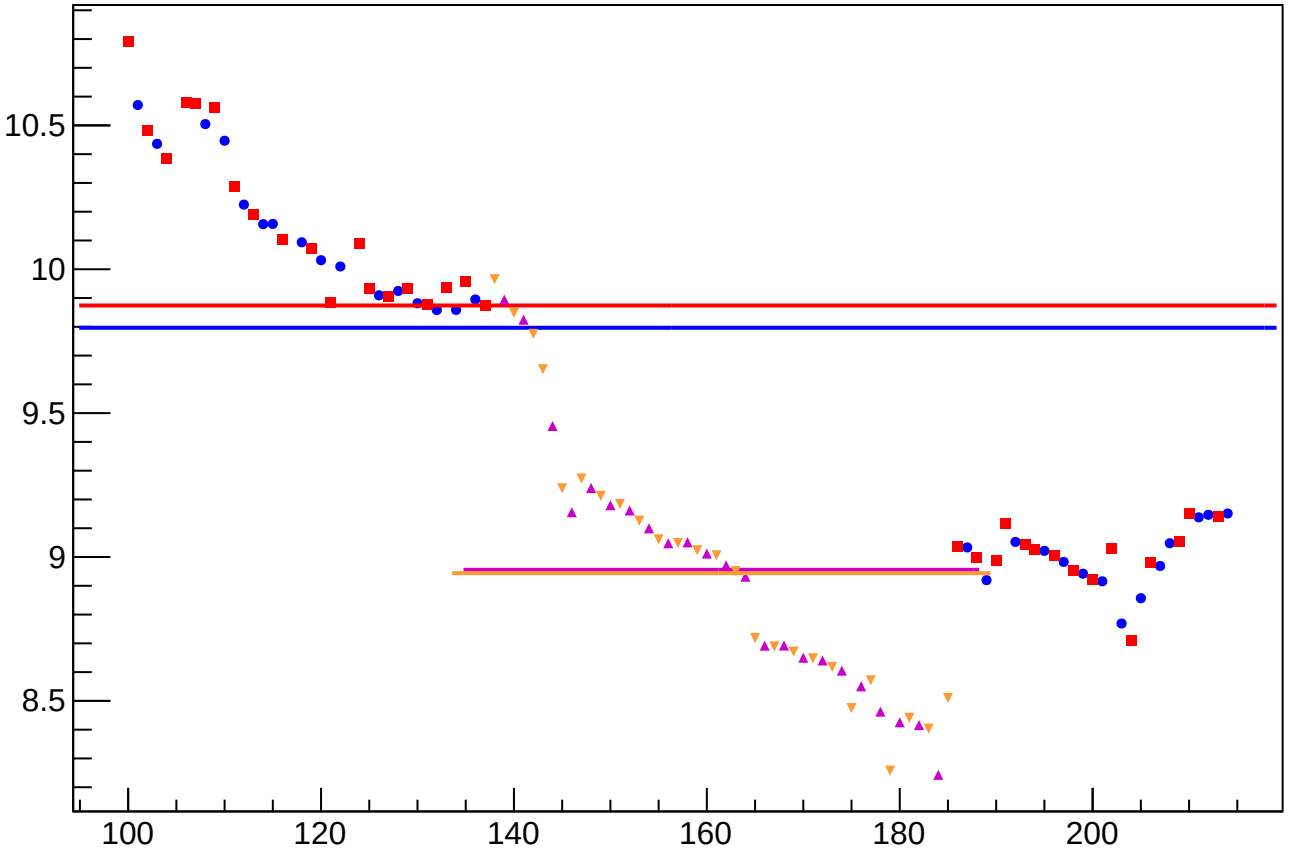
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

\+ sign 0.002+/-0.000 χ^2/NDF: 12467634.0/54

All: 0.002+/-0.000 χ^2/NDF: 25961259.0/111

\- sign 0.002+/-0.000 χ^2/NDF: 13467844.2/56

yield_sam8_mean vs Slug



Right In: 9.797+/-0.000 χ^2/NDF: 74780142002.0/29

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.874+/-0.000 χ^2/NDF: 76909697845.2/33

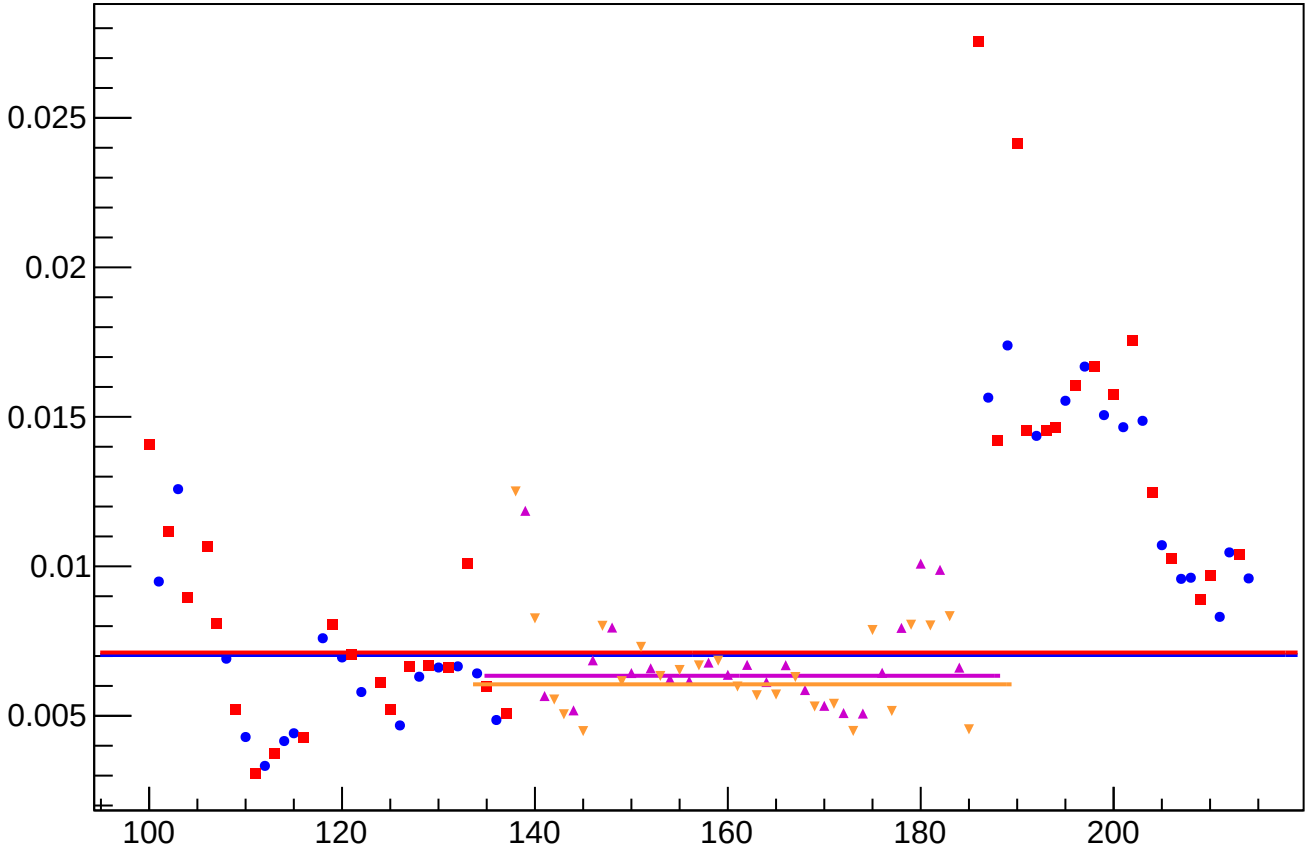
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.280+/-0.000 χ^2/NDF: 259989745839.4/54

All: 9.310+/-0.000 χ^2/NDF: 518919605563.9

- sign 9.344+/-0.000 χ^2/NDF: 257594408949.8/56

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 6608825.4/29

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8341390.6/33

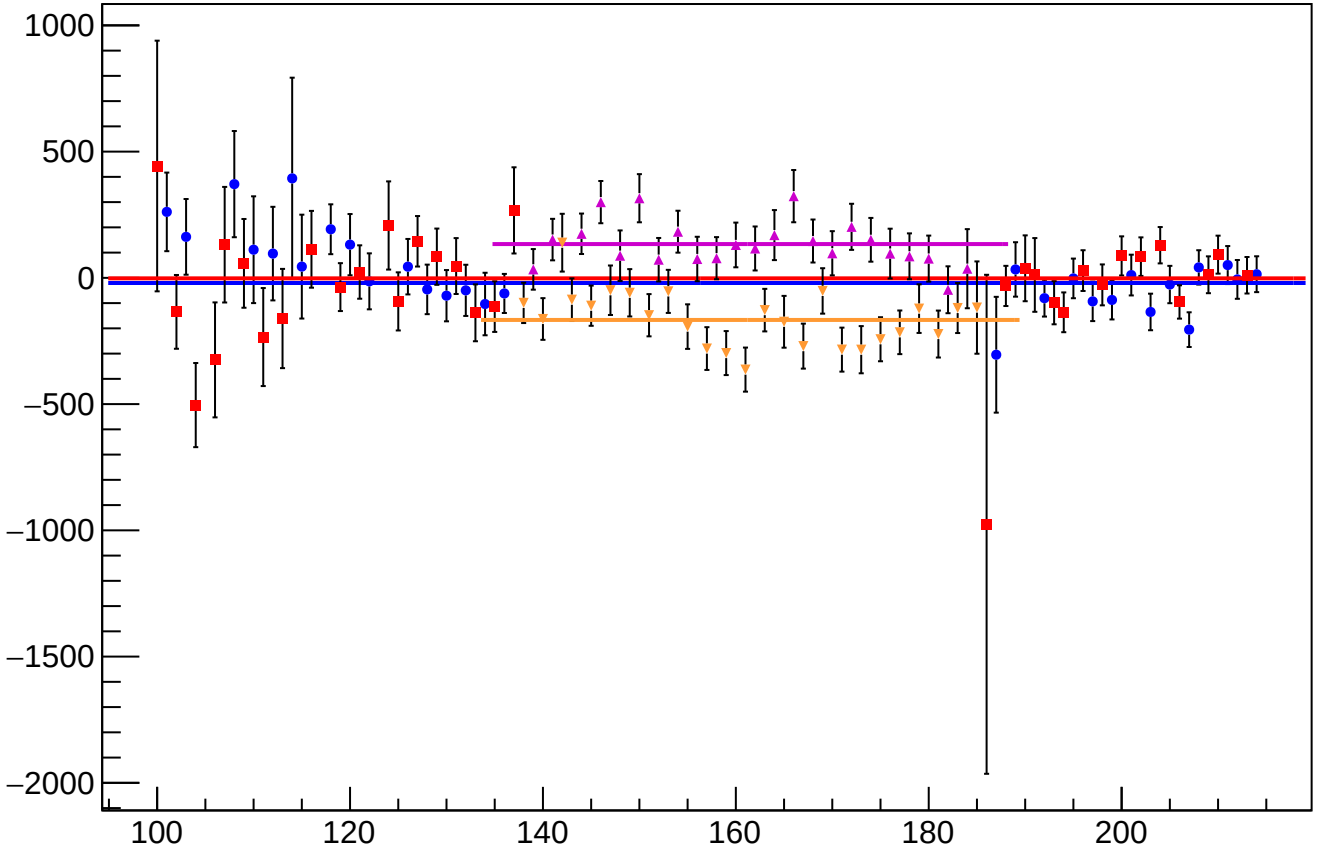
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 8385450.7/54

All: 0.007+/-0.000 χ^2/NDF: 18121127.5/111

- sign 0.007+/-0.000 χ^2/NDF: 9701596.9/56

reg_asym_sam1_mean vs Slug



Right In: -20.351+/-17.299 χ^2/NDF: 33.9/29

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.969+/-17.619 χ^2/NDF: 41.4/33

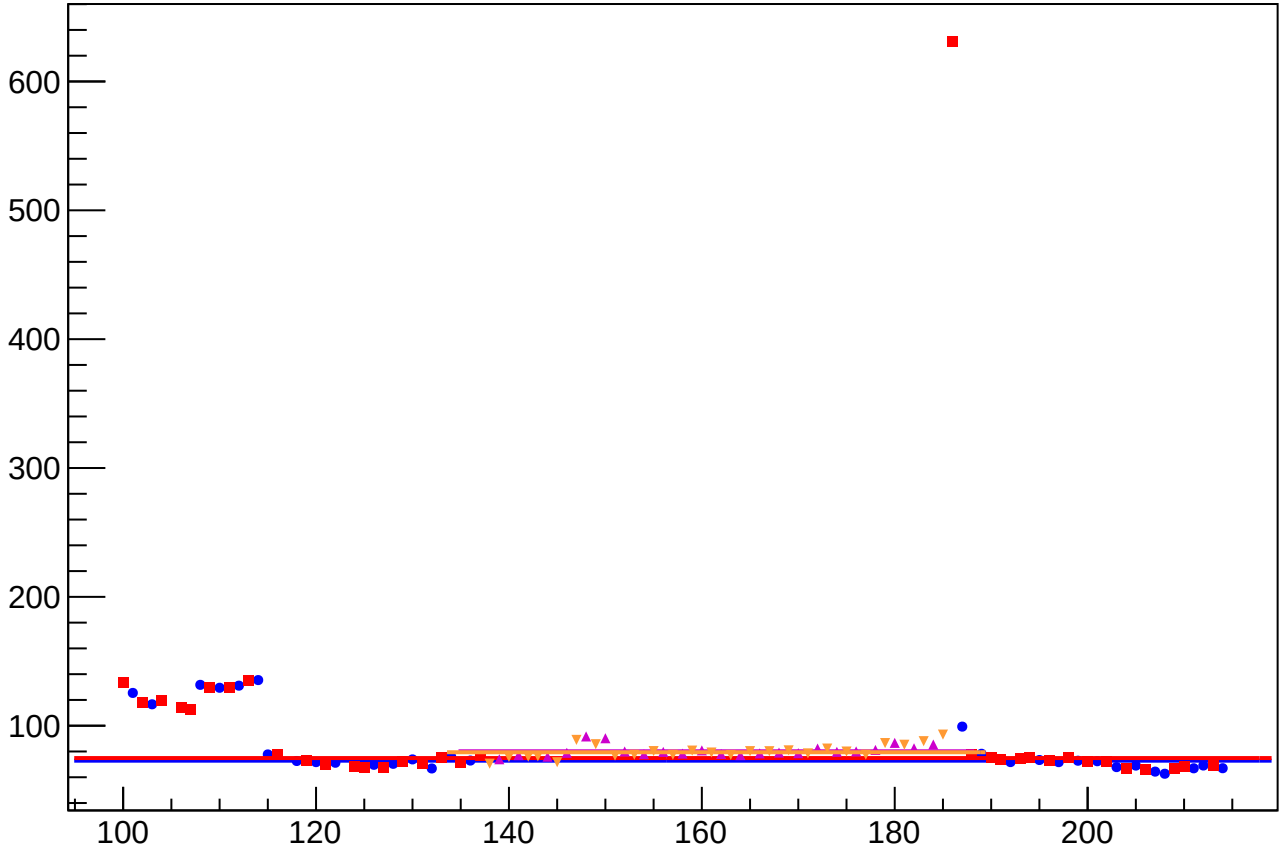
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -90.288+/-12.499 χ^2/NDF: 99.8/54

All: -16.352+/-8.957 χ^2/NDF: 261.7/111

- sign 61.697+/-12.842 χ^2/NDF: 90.0/56

reg_asym_sam1_rms vs Slug



Right In: 72.867+/-0.012 χ^2/NDF: 1111349.3/29

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 74.892+/-0.012 χ^2/NDF: 1790046.3/33

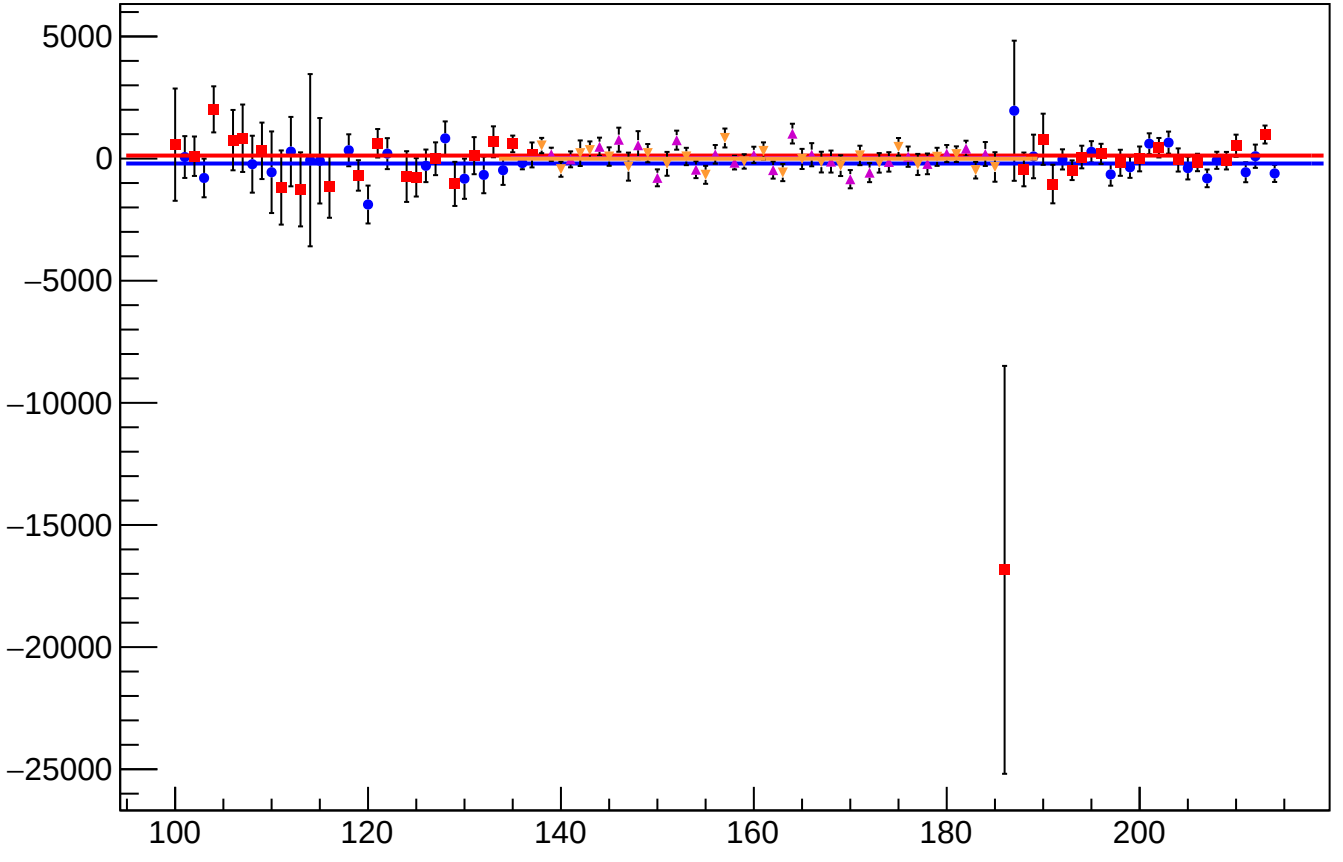
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.994+/-0.009 χ^2/NDF: 1382923.1/54

All: 76.659+/-0.006 χ^2/NDF: 3359900.2/111

- sign 77.362+/-0.009 χ^2/NDF: 1965334.6/56

asym_sam1_reg_correction_mean vs Slug



Right In: -201.444+/-95.670 χ^2/NDF: 25.9/29

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 124.079+/-99.134 χ^2/NDF: 34.2/33

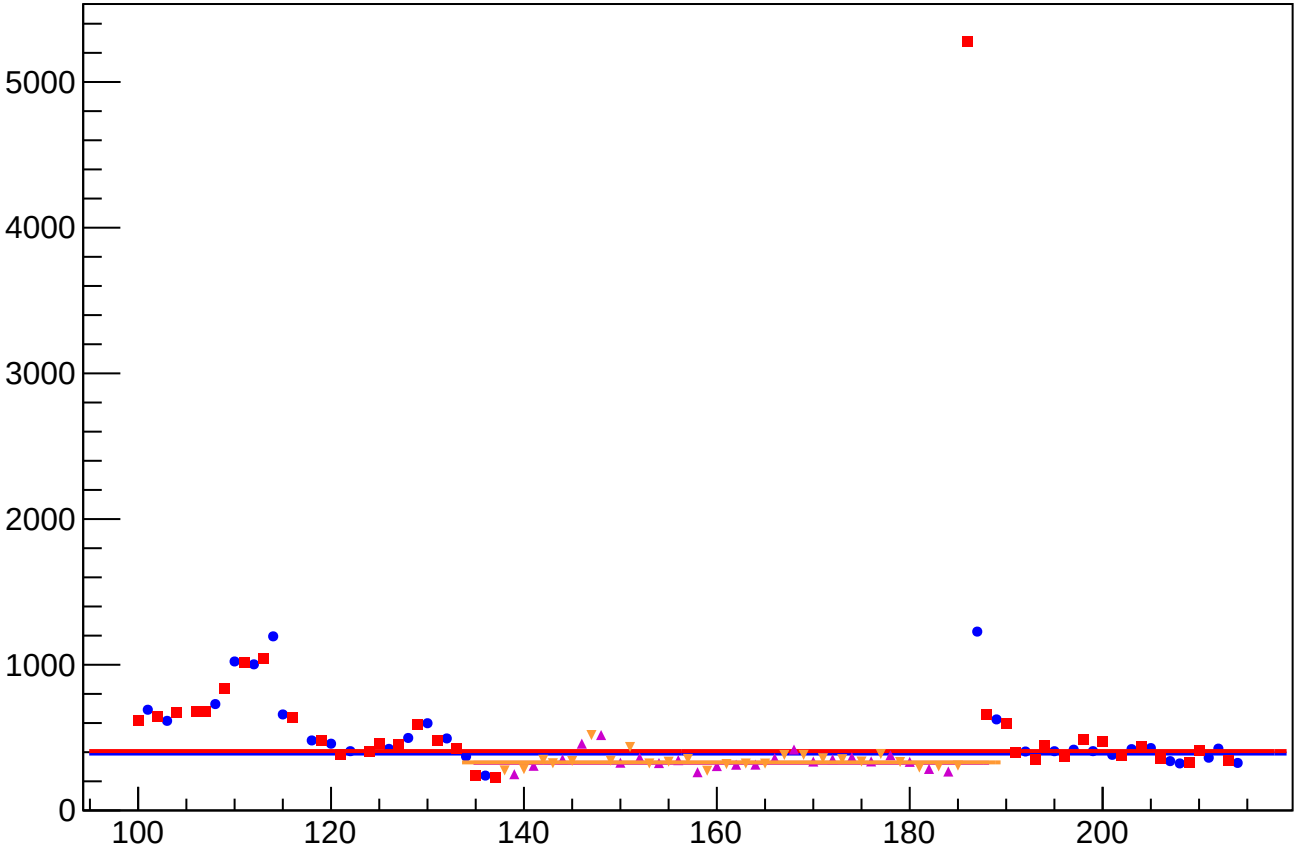
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

\+ sign -79.900+/-59.442 χ^2/NDF: 52.6/54

All: -12.298+/-42.598 χ^2/NDF: 125.1/111

\- sign 59.071+/-61.076 χ^2/NDF: 69.9/56

asym_sam1_reg_correction_rms vs Slug



Right In: 390.599+/-0.068 χ^2/NDF: 2920918.0/29

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

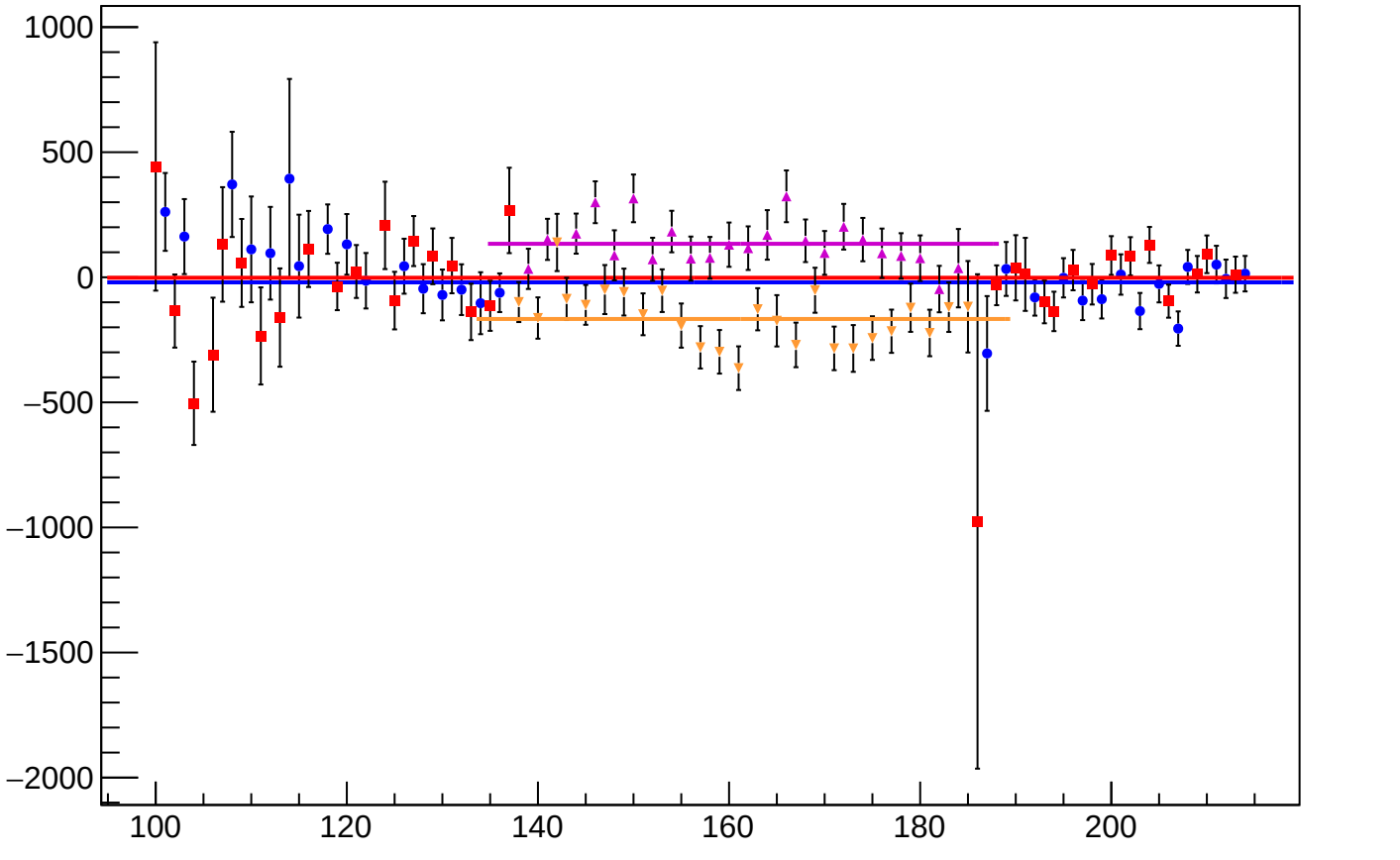
Right Out: 407.590+/-0.070 χ^2/NDF: 3777434.9/33

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 353.374+/-0.042 χ^2/NDF: 4073343.1/54

All: 355.414+/-0.030 χ^2/NDF: 9575731.1/111

- sign 357.567+/-0.043 χ^2/NDF: 5497547.1/56



Right In: -20.352+/-17.299 χ^2/NDF: 33.9/29

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.872+/-17.619 χ^2/NDF: 41.2/33

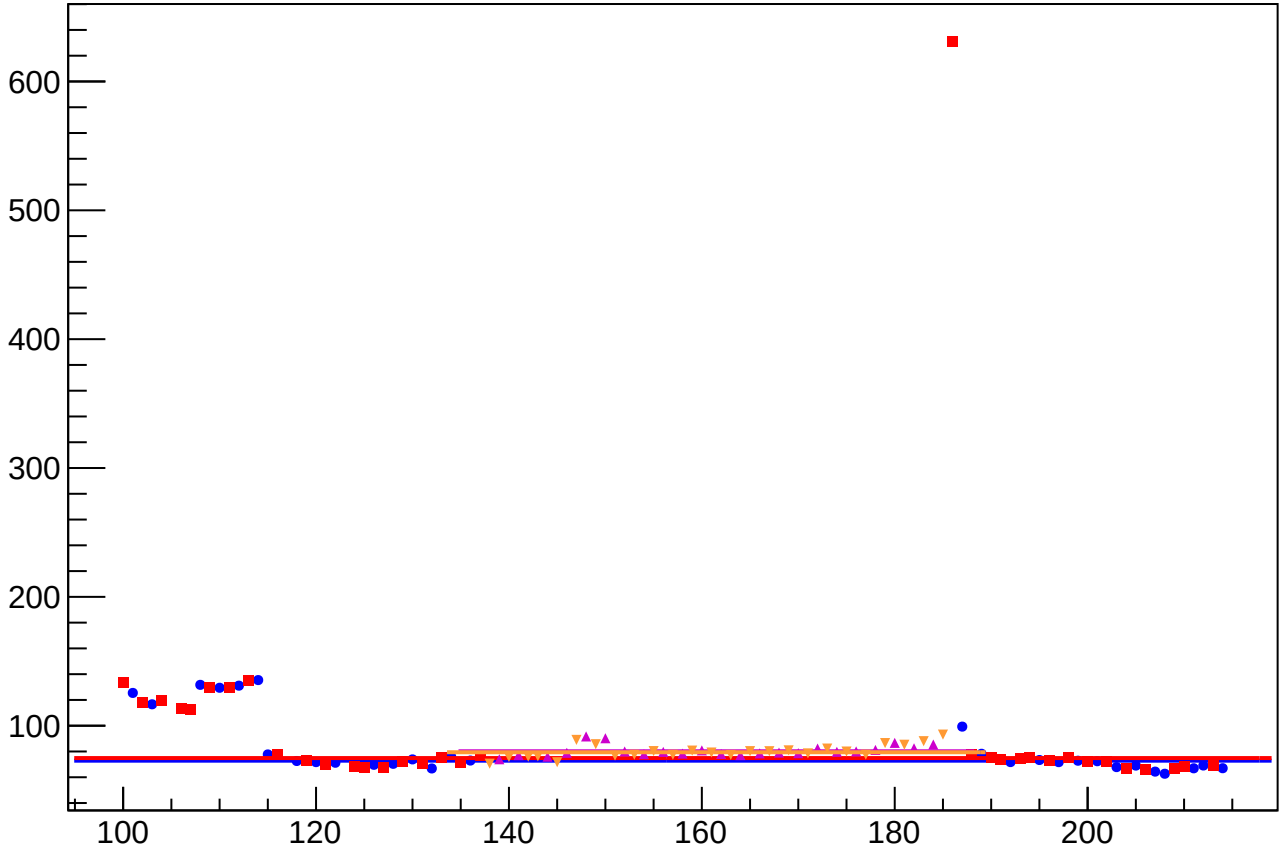
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -90.288+/-12.499 χ^2/NDF: 99.8/54

All: -16.325+/-8.957 χ^2/NDF: 261.5/111

- sign 61.753+/-12.842 χ^2/NDF: 89.8/56

cor_asym_sam1_rms vs Slug



Right In: 72.867+/-0.012 χ^2/NDF: 1111349.5/29

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

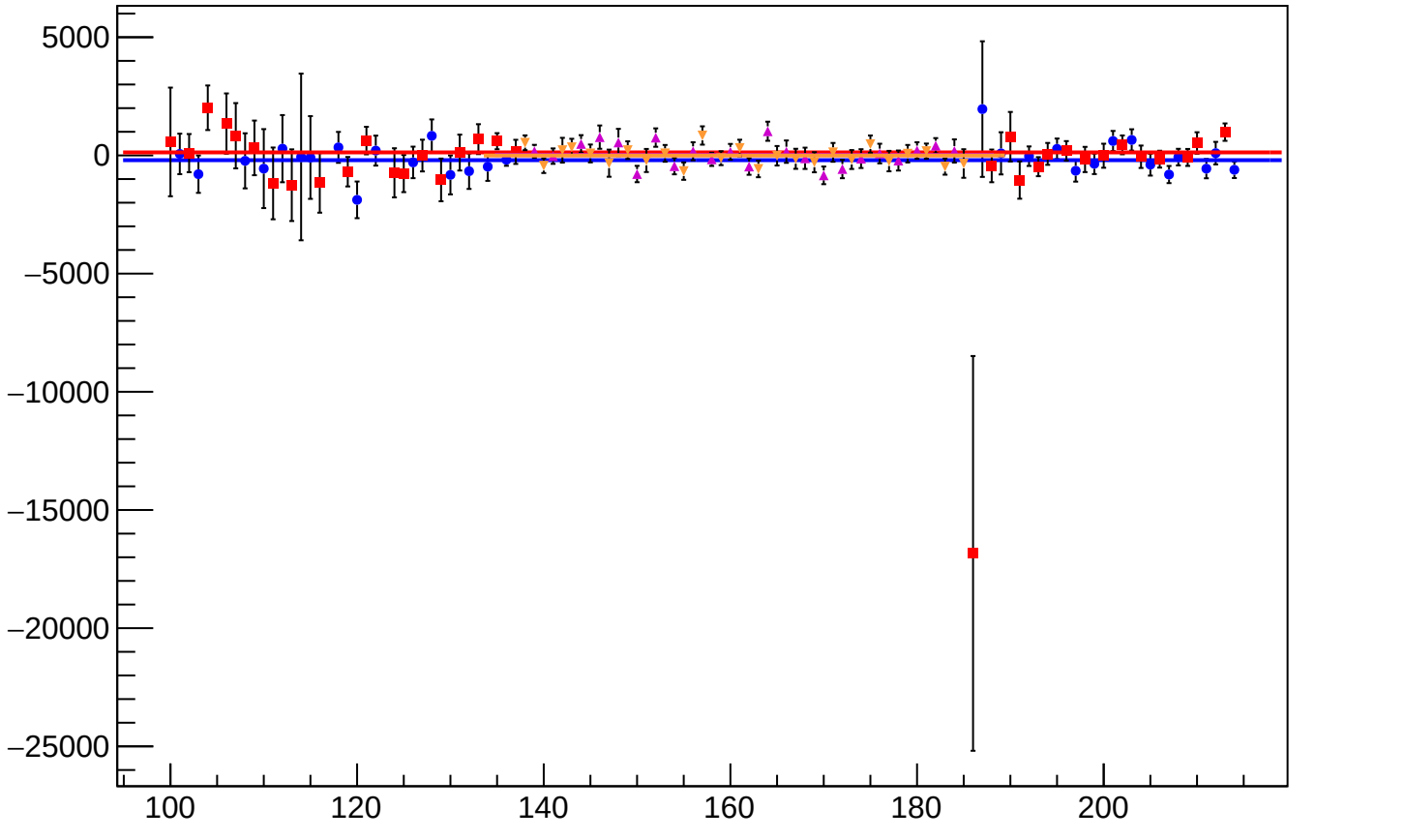
Right Out: 74.887+/-0.012 χ^2/NDF: 1787726.5/33

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.994+/-0.009 χ^2/NDF: 1382923.4/54

All: 76.658+/-0.006 χ^2/NDF: 3357693.7/111

- sign 77.359+/-0.009 χ^2/NDF: 1963172.4/56



Right In: -201.448+/-95.670 χ^2/NDF: 25.9/29

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 127.421+/-99.153 χ^2/NDF: 34.8/33

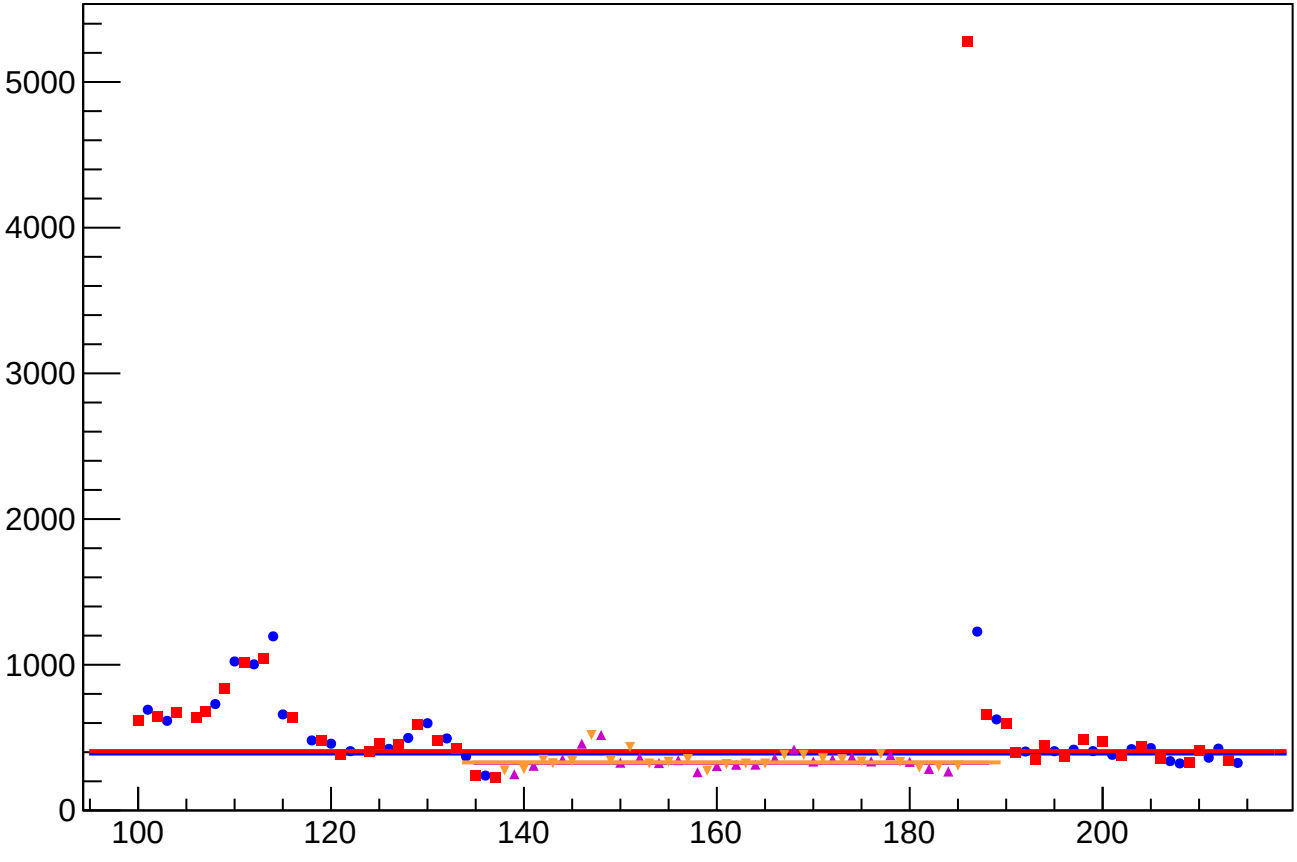
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -79.901+/-59.442 χ^2/NDF: 52.6/54

All: -11.690+/-42.600 χ^2/NDF: 125.9/111

- sign 60.334+/-61.081 χ^2/NDF: 70.6/56

asym_sam1_cor_correction_rms vs Slug



Right In: 390.599+/-0.068 χ^2/NDF: 2920915.3/29

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 407.247+/-0.070 χ^2/NDF: 3747180.0/33

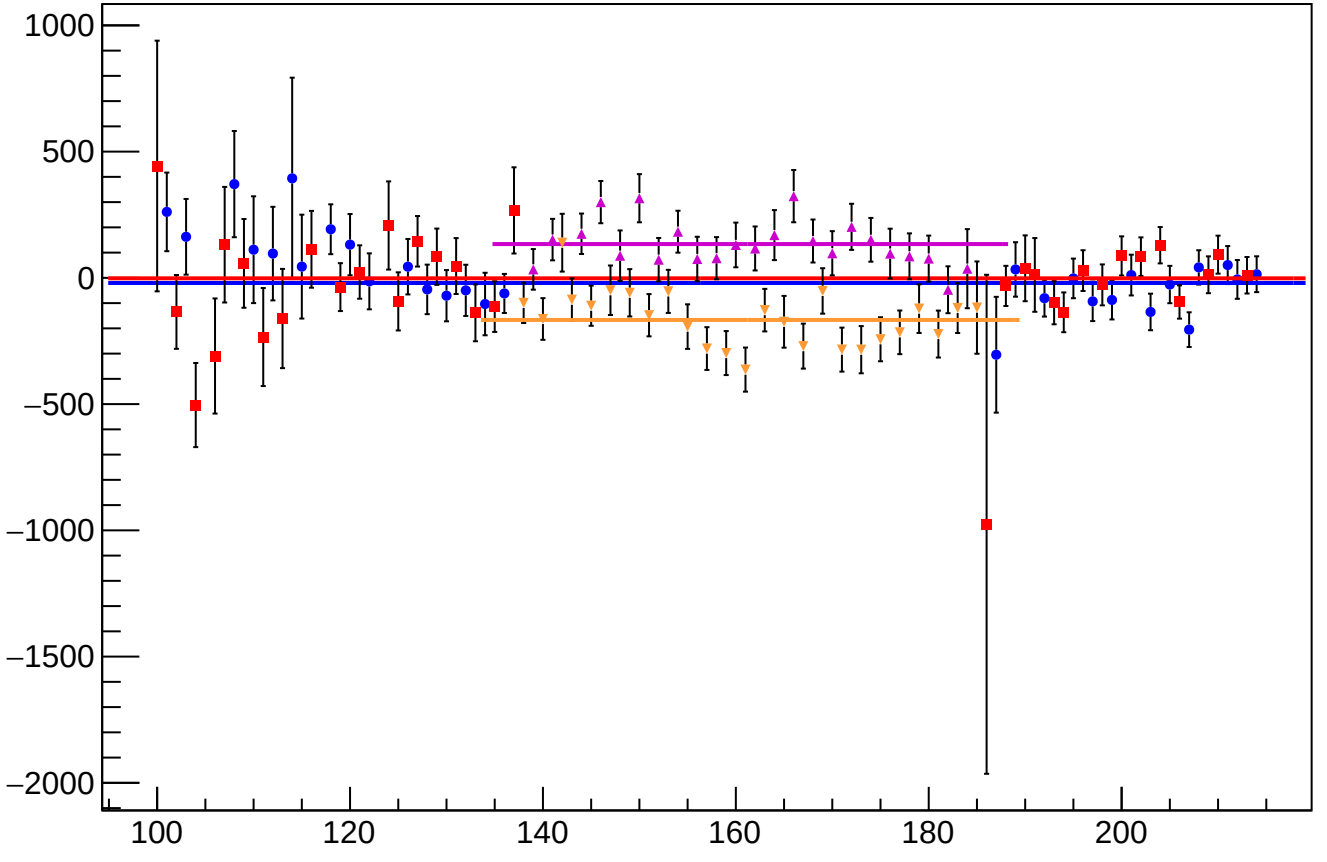
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.374+/-0.042 χ^2/NDF: 4073350.8/54

All: 355.347+/-0.030 χ^2/NDF: 9538014.3/11

- sign 357.430+/-0.043 χ^2/NDF: 5460135.0/56

eigen_cor_asym_sam1_mean vs Slug



Right In: -20.352+/-17.299 χ^2/NDF: 33.9/29

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -1.872+/-17.619 χ^2/NDF: 41.2/33

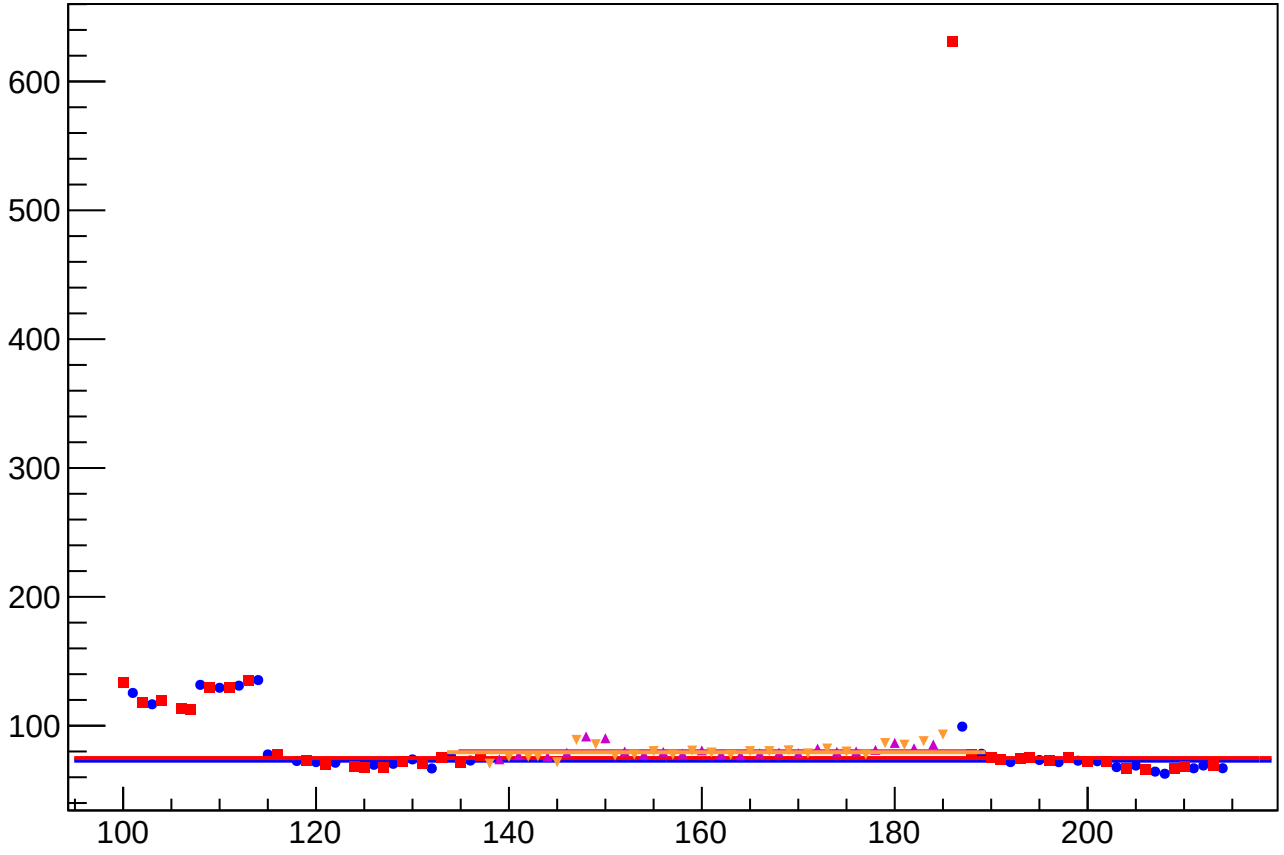
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -90.288+/-12.499 χ^2/NDF: 99.8/54

All: -16.325+/-8.957 χ^2/NDF: 261.5/111

- sign 61.753+/-12.842 χ^2/NDF: 89.8/56

eigen_cor_asym_sam1_rms vs Slug



Right In: 72.867+/-0.012 χ^2/NDF: 1111349.5/29

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

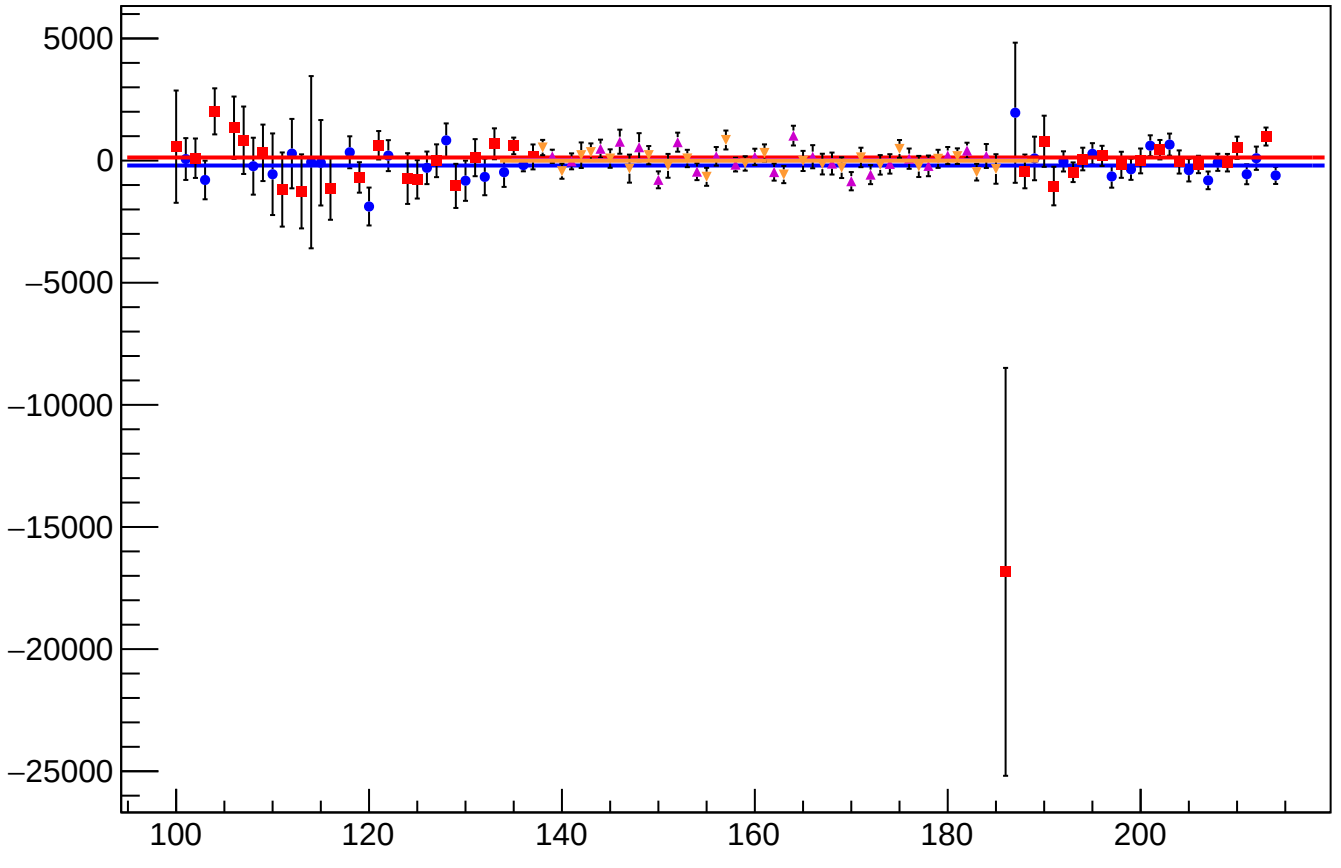
Right Out: 74.887+/-0.012 χ^2/NDF: 1787726.5/33

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 75.994+/-0.009 χ^2/NDF: 1382923.4/54

All: 76.658+/-0.006 χ^2/NDF: 3357693.7/111

- sign 77.359+/-0.009 χ^2/NDF: 1963172.4/56



Right In: -201.448+/-95.670 χ^2/NDF: 25.9/29

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 127.421+/-99.153 χ^2/NDF: 34.8/33

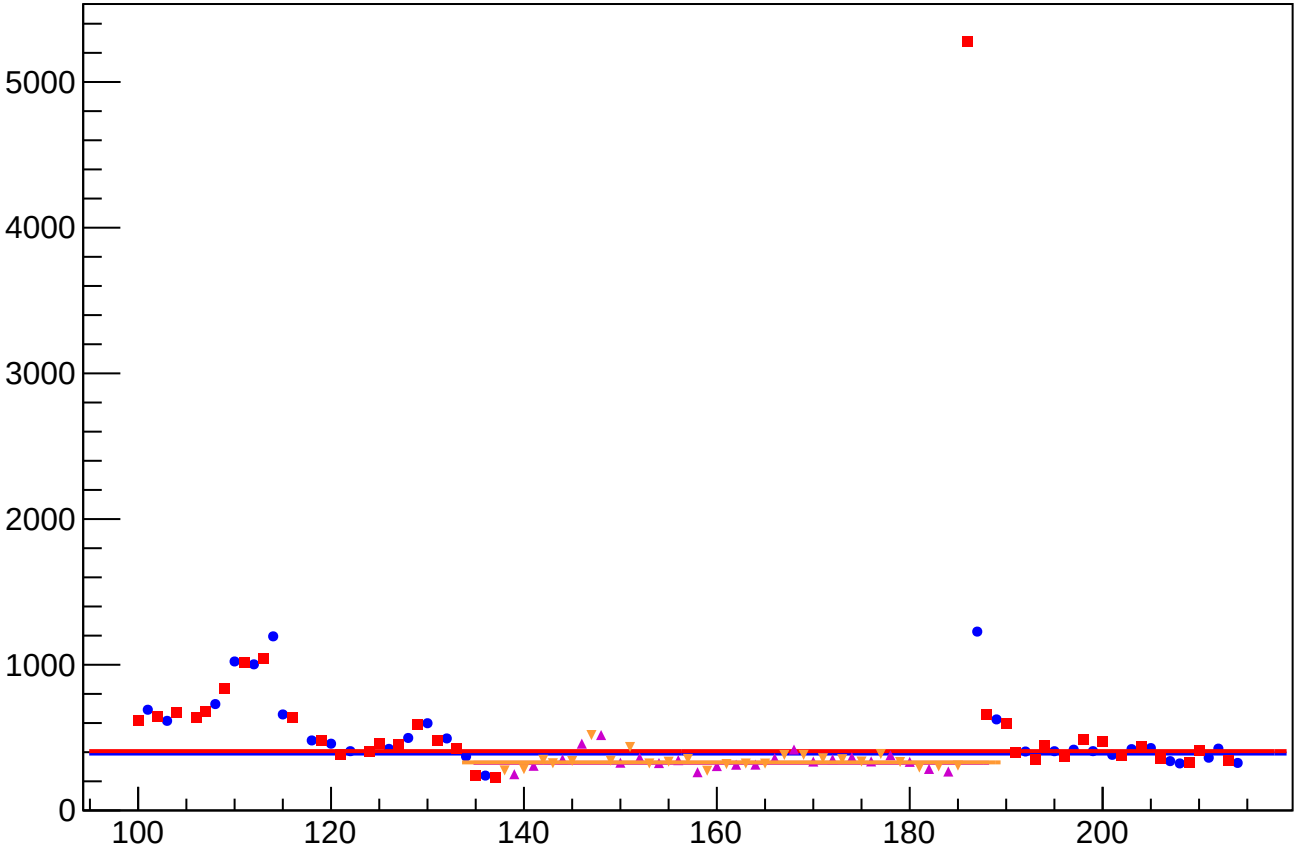
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

\+ sign -79.901+/-59.442 χ^2/NDF: 52.6/54

All: -11.690+/-42.600 χ^2/NDF: 125.9/111

\- sign 60.334+/-61.081 χ^2/NDF: 70.6/56

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 390.599+/-0.068 χ^2/NDF: 2920915.3/29

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 407.247+/-0.070 χ^2/NDF: 3747180.0/33

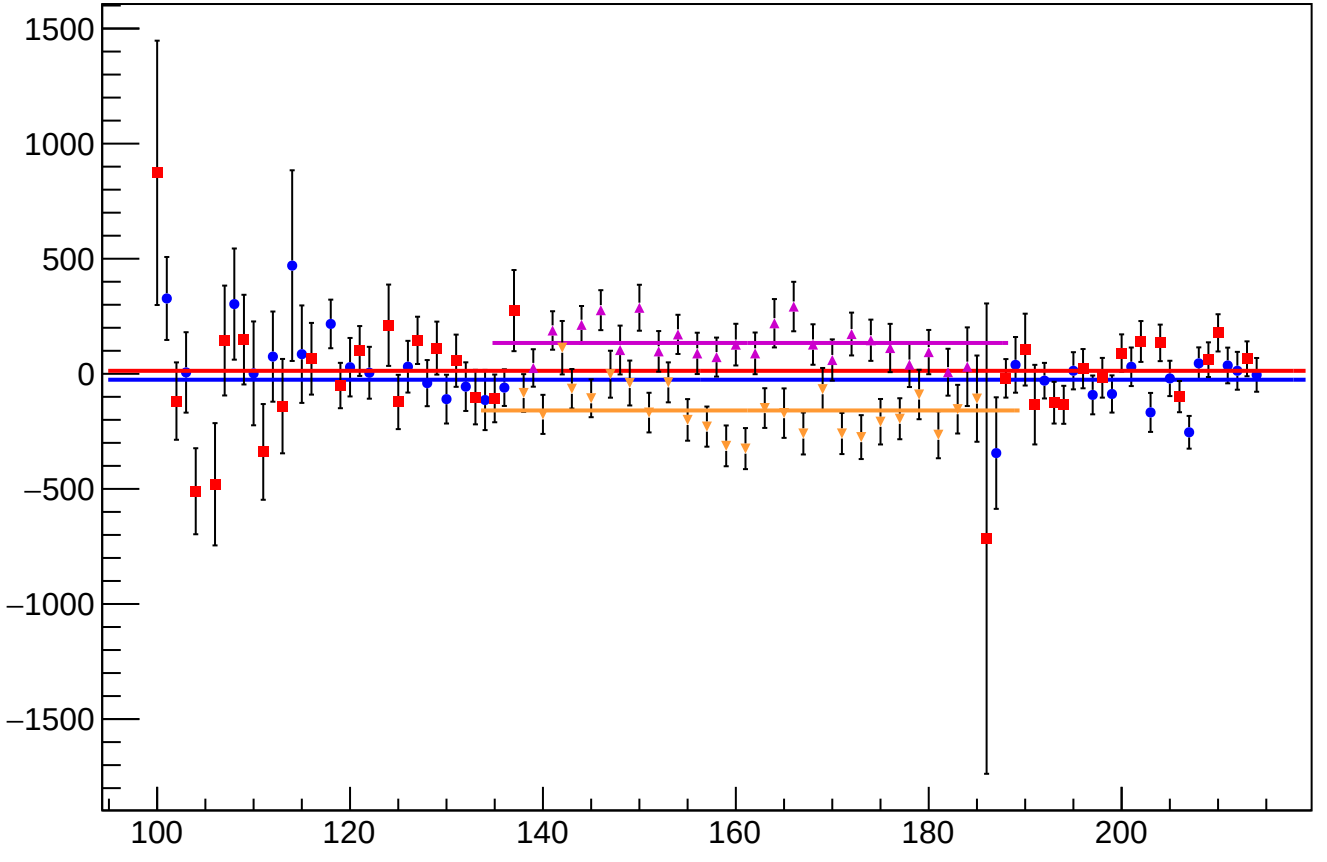
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 353.374+/-0.042 χ^2/NDF: 4073350.8/54

All: 355.347+/-0.030 χ^2/NDF: 9538014.3/11

- sign 357.430+/-0.043 χ^2/NDF: 5460135.0/56

dit_asym_sam1_mean vs Slug



Right In: -25.730+/-18.213 χ^2/NDF: 33.9/29

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 12.980+/-18.676 χ^2/NDF: 49.6/33

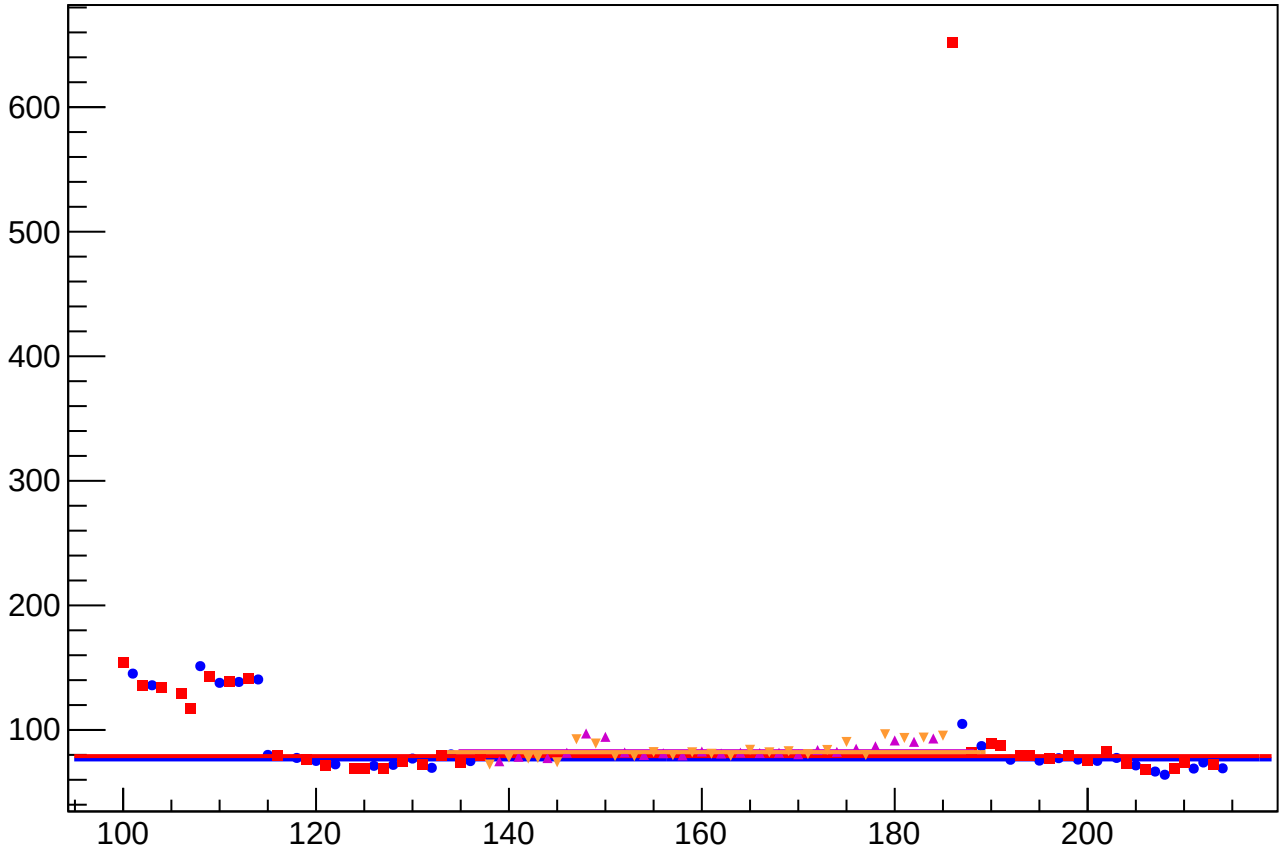
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -90.538+/-13.064 χ^2/NDF: 88.1/54

All: -12.198+/-9.377 χ^2/NDF: 248.5/111

- sign 71.069+/-13.468 χ^2/NDF: 86.2/56

dit_asym_sam1_rms vs Slug



Right In: 76.340+/-0.013 χ^2/NDF: 1328219.7/29

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.015+/-0.013 χ^2/NDF: 1964456.5/33

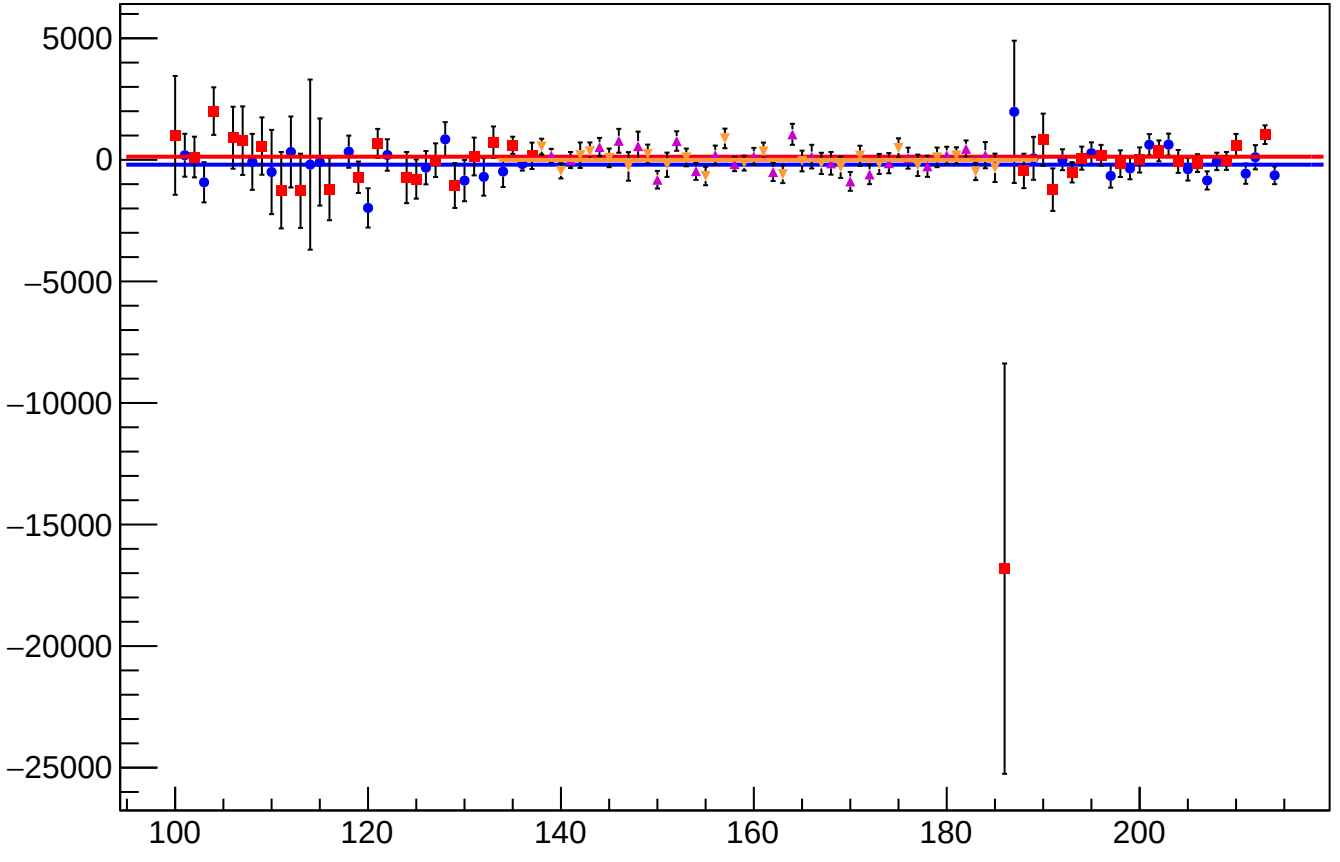
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 79.208+/-0.009 χ^2/NDF: 1646897.6/54

All: 80.040+/-0.007 χ^2/NDF: 3817236.9/111

- sign 80.925+/-0.010 χ^2/NDF: 2153603.1/56

asym_sam1_dit_correction_mean vs Slug



Right In: -199.093+/-98.752 χ^2/NDF: 26.2/29

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 128.323+/-102.630 χ^2/NDF: 34.0/33

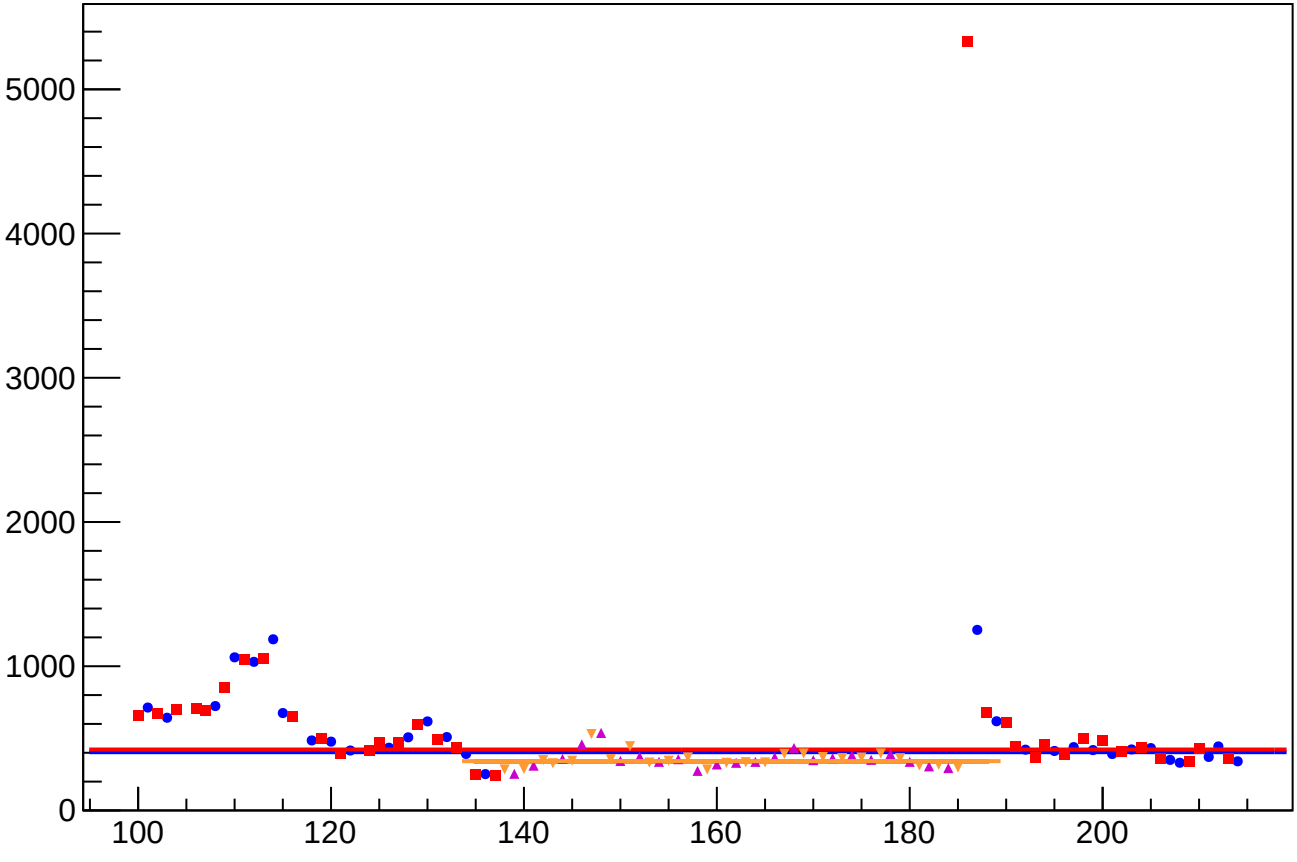
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -79.085+/-61.489 χ^2/NDF: 52.1/54

All: -12.020+/-44.104 χ^2/NDF: 124.2/111

- sign 59.045+/-63.296 χ^2/NDF: 69.7/56

asym_sam1_dit_correction_rms vs Slug



Right In: 404.033+/-0.070 χ^2/NDF: 2797437.4/29

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 422.578+/-0.073 χ^2/NDF: 3675906.2/33

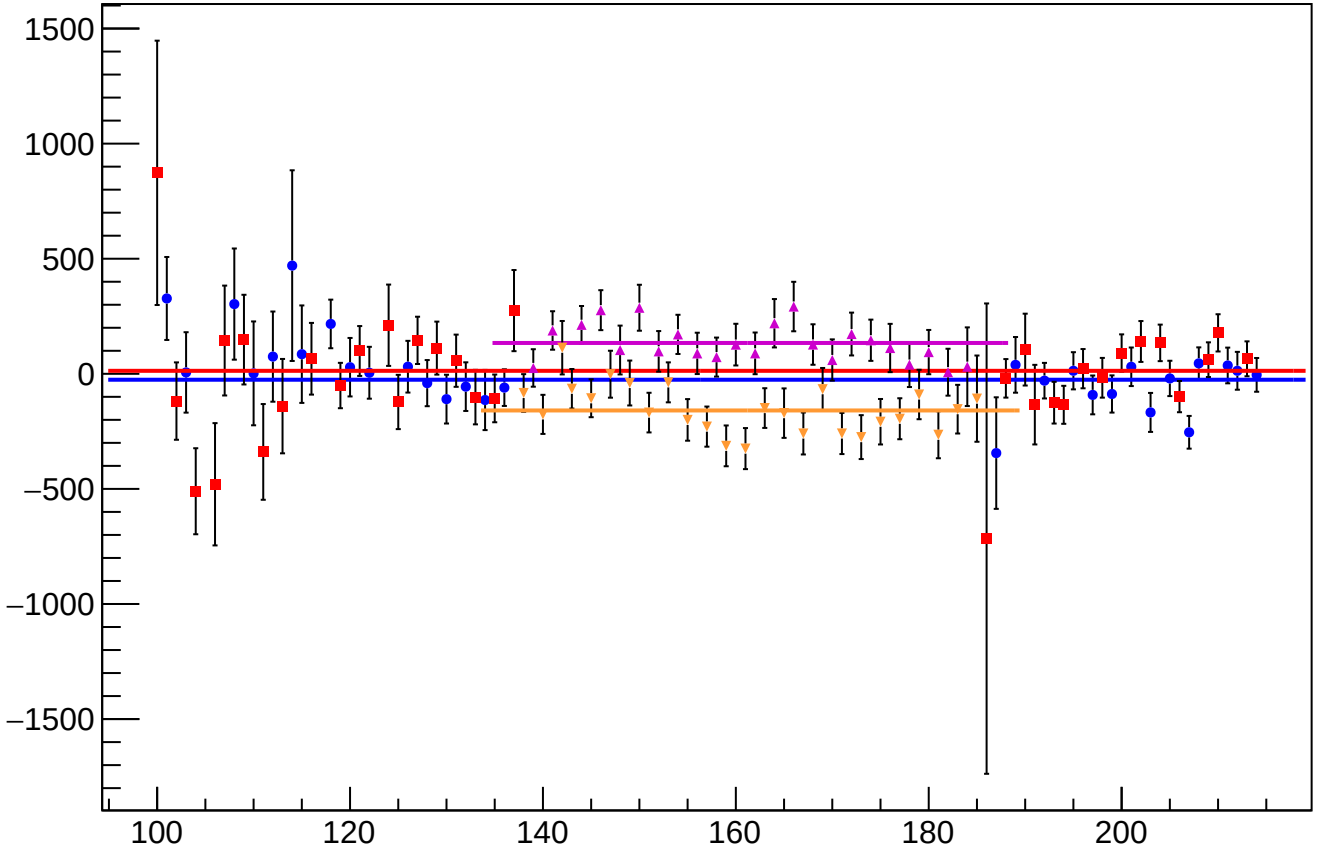
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 366.000+/-0.043 χ^2/NDF: 3935859.4/54

All: 368.455+/-0.031 χ^2/NDF: 9278463.1/111

- sign 371.056+/-0.045 χ^2/NDF: 5336038.5/56

eigen_dit_asym_sam1_mean vs Slug



Right In: -25.729+/-18.213 χ^2/NDF: 33.9/29

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 12.980+/-18.676 χ^2/NDF: 49.6/33

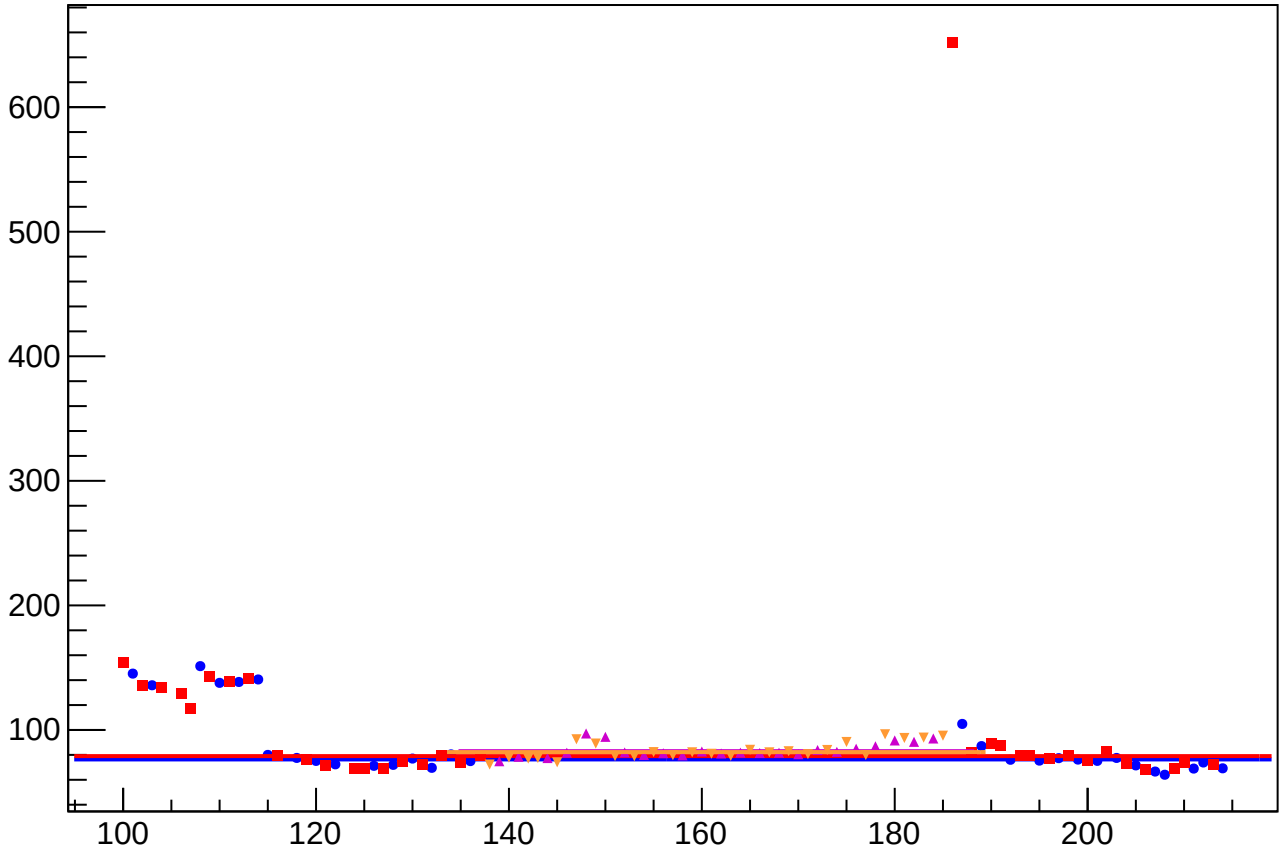
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -90.538+/-13.064 χ^2/NDF: 88.1/54

All: -12.198+/-9.377 χ^2/NDF: 248.5/111

- sign 71.069+/-13.468 χ^2/NDF: 86.2/56

eigen_dit_asym_sam1_rms vs Slug



Right In: 76.340+/-0.013 χ^2/NDF: 1328220.7/29

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

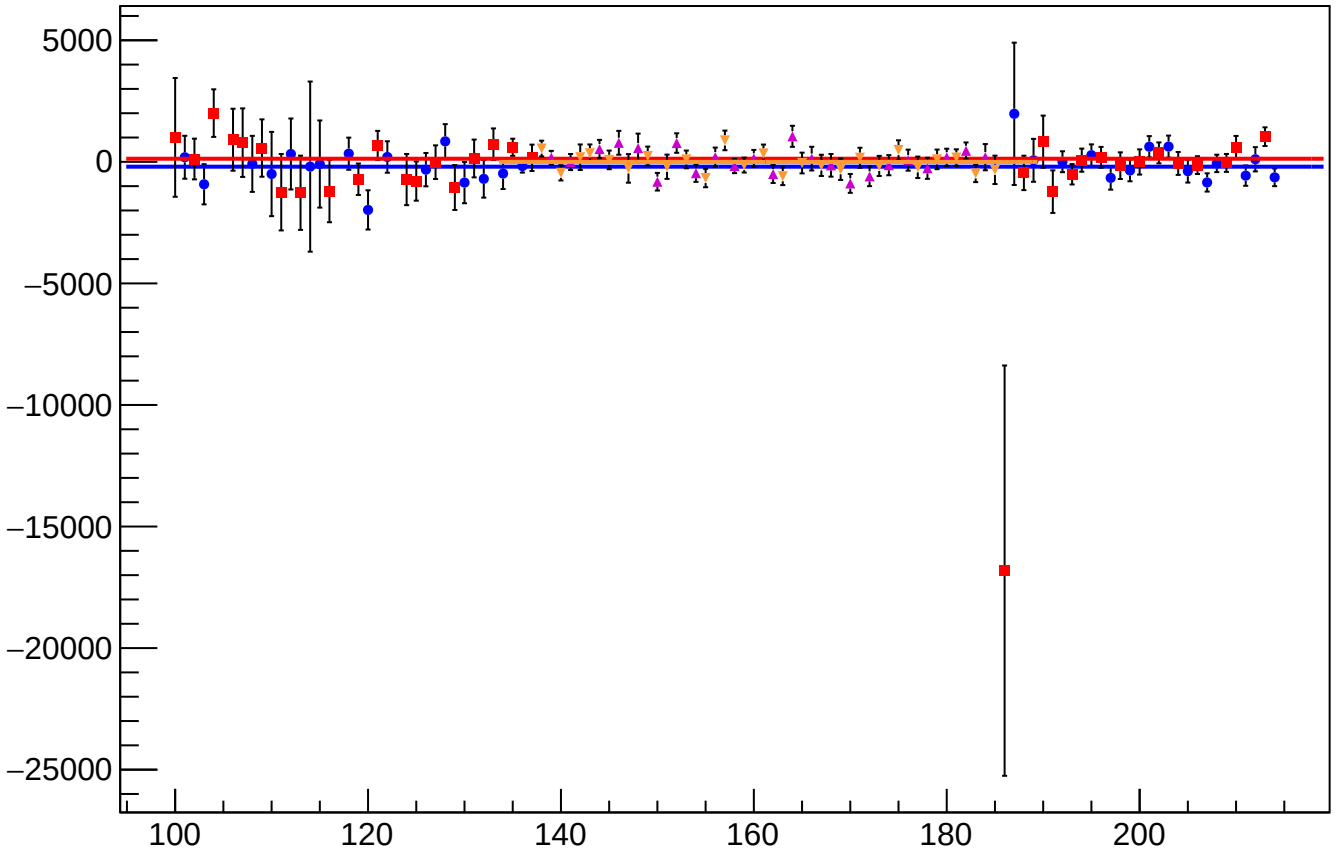
Right Out: 79.015+/-0.013 χ^2/NDF: 1964456.7/33

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 79.208+/-0.009 χ^2/NDF: 1646902.9/54

All: 80.040+/-0.007 χ^2/NDF: 3817243.4/111

- sign 80.924+/-0.010 χ^2/NDF: 2153604.7/56



Right In: -199.092+/-98.752 χ^2/NDF: 26.2/29

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 128.323+/-102.630 χ^2/NDF: 34.0/33

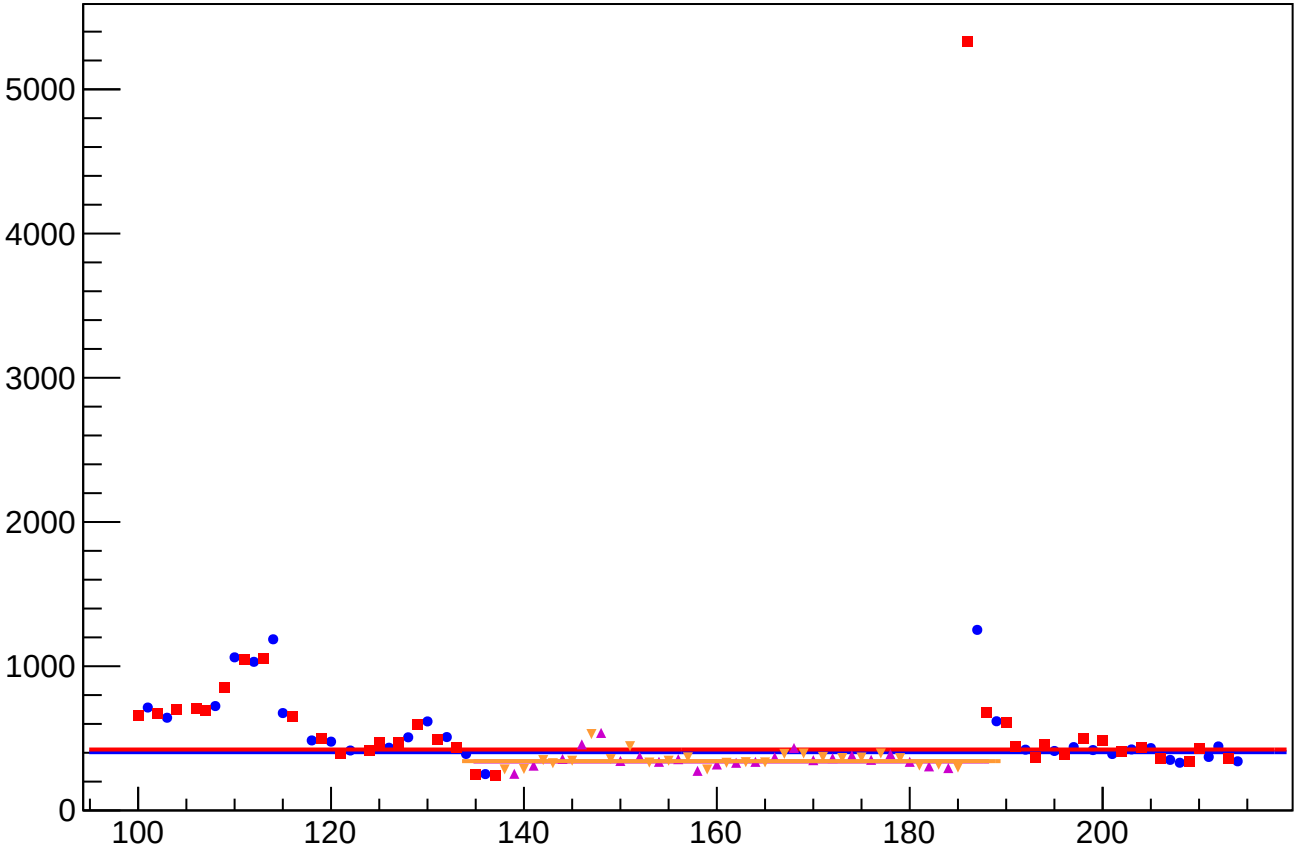
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -79.085+/-61.489 χ^2/NDF: 52.1/54

All: -12.019+/-44.104 χ^2/NDF: 124.2/111

\- sign 59.045+/-63.296 χ^2/NDF: 69.7/56

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 404.032+/-0.070 χ^2/NDF: 2797441.7/29

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 422.577+/-0.073 χ^2/NDF: 3675912.7/33

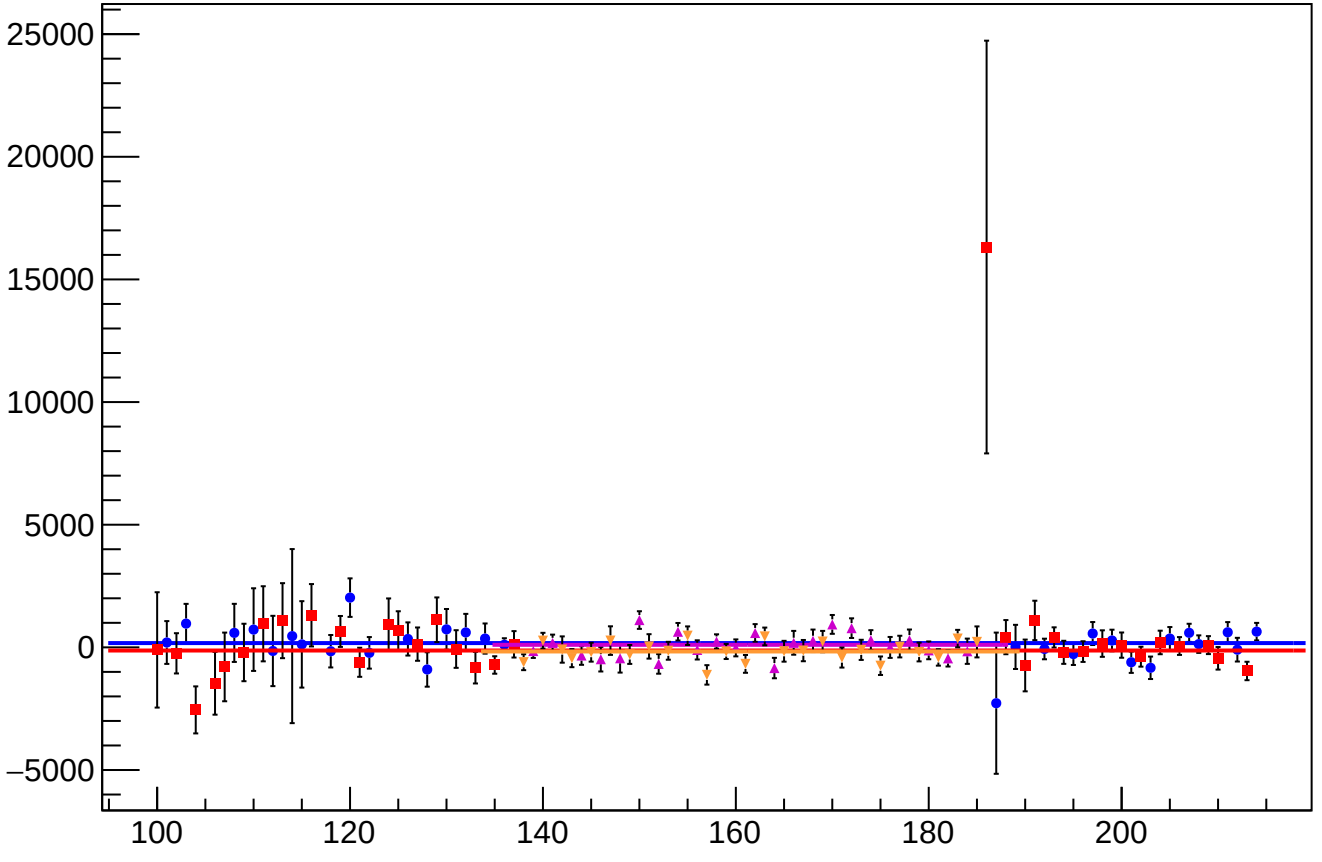
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 366.000+/-0.043 χ^2/NDF: 3935855.1/54

All: 368.455+/-0.031 χ^2/NDF: 9278453.8/111

- sign 371.056+/-0.045 χ^2/NDF: 5336033.6/56

asym_sam1_mean vs Slug



Right In: 174.549+/-97.639 χ^2/NDF: 26.4/29

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -128.693+/-101.125 χ^2/NDF: 36.7/33

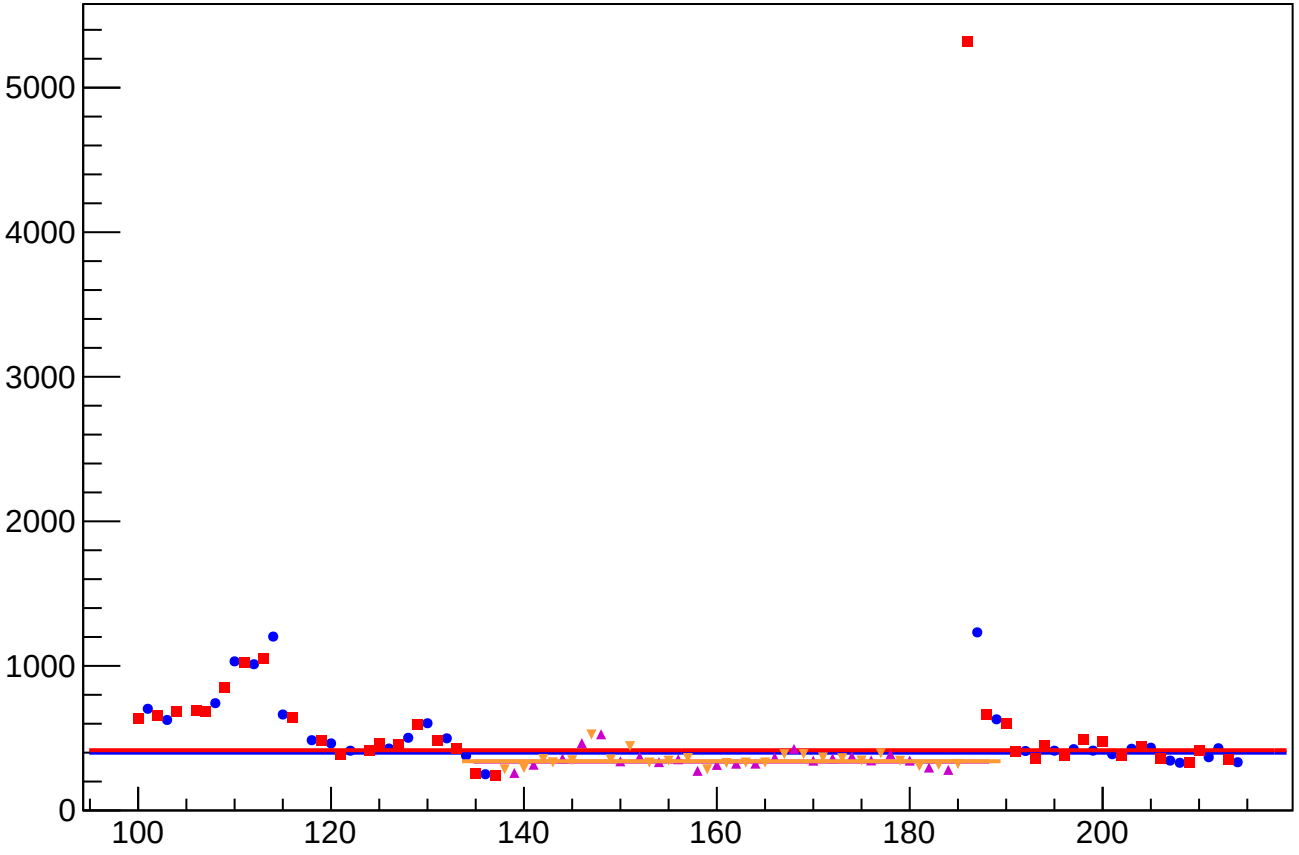
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -33.803+/-61.027 χ^2/NDF: 59.4/54

All: -10.346+/-43.745 χ^2/NDF: 137.2/111

- sign 14.445+/-62.739 χ^2/NDF: 77.5/56

asym_sam1_rms vs Slug



Right In: 399.572+/-0.069 χ^2/NDF: 2780019.6/29

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 416.683+/-0.072 χ^2/NDF: 3628128.1/33

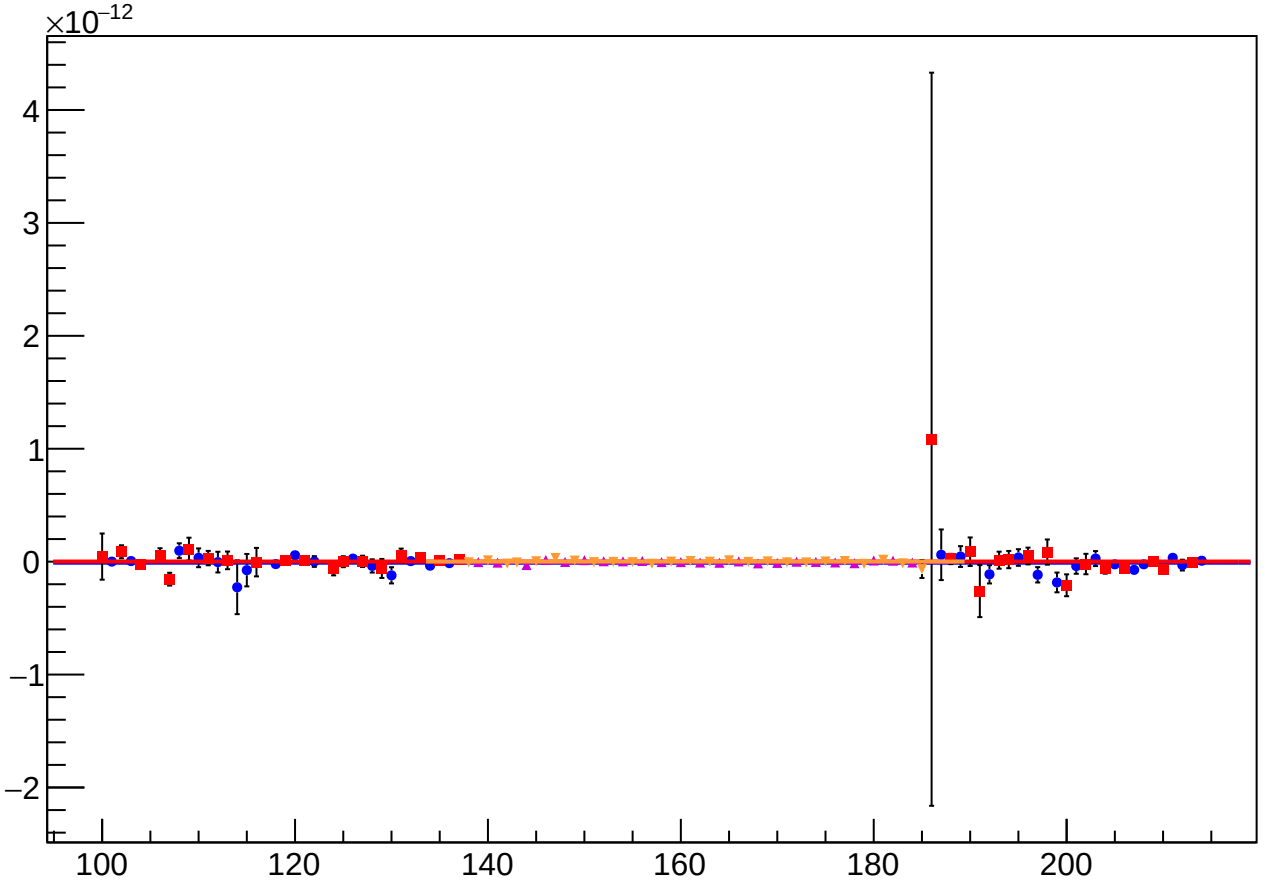
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 363.511+/-0.043 χ^2/NDF: 3831897.9/54

All: 365.760+/-0.031 χ^2/NDF: 9035622.1/111

- sign 368.137+/-0.044 χ^2/NDF: 5198136.0/56

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

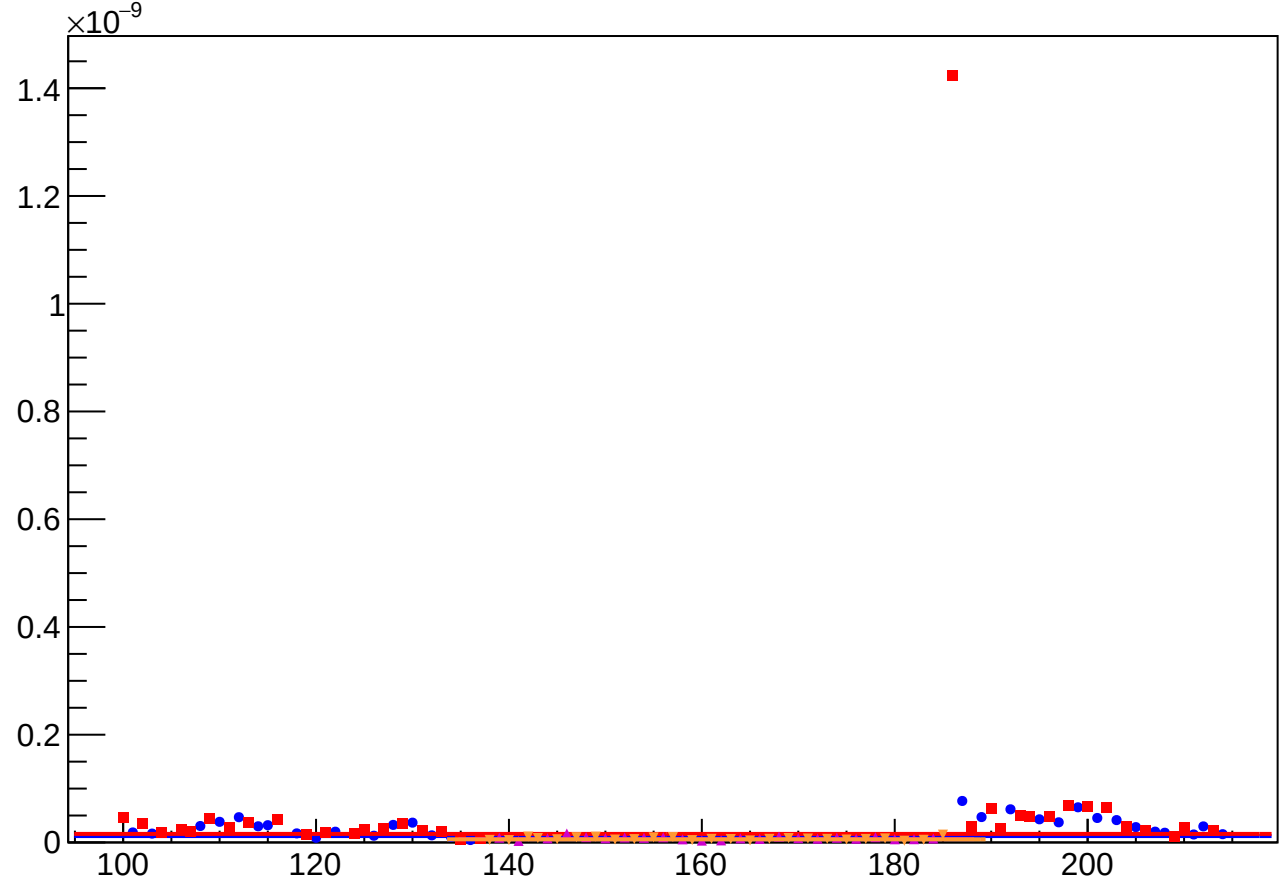
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/33

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.2/54

All: -0.000+/-0.000 χ^2/NDF: 99.3/111

- sign -0.000+/-0.000 χ^2/NDF: 46.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 7731622.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7378000.6/33

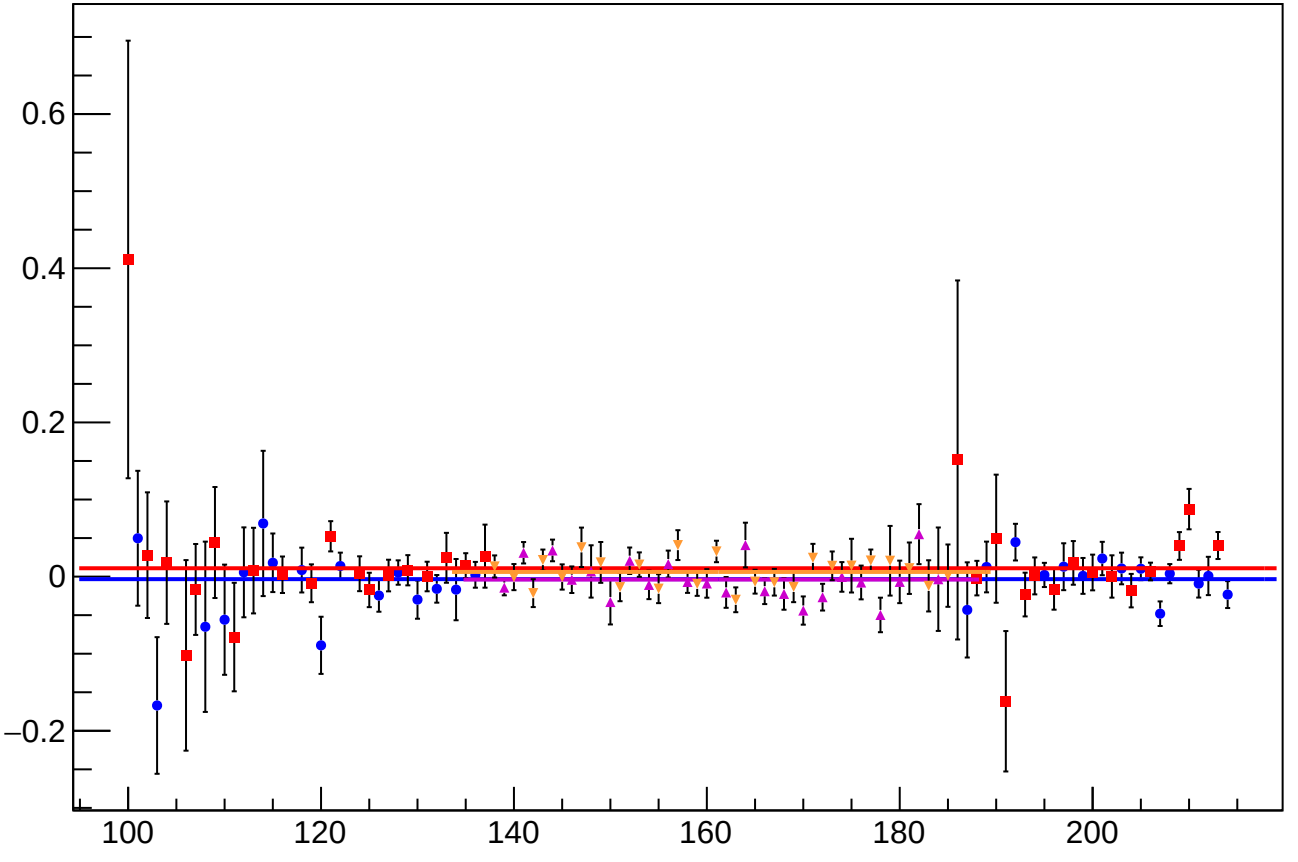
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 11010531.5/54

All: 0.000+/-0.000 χ^2/NDF: 23978151.9/111

- sign 0.000+/-0.000 χ^2/NDF: 12870525.0/56

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 32.9/29

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.011+/-0.004 χ^2/NDF: 36.1/33

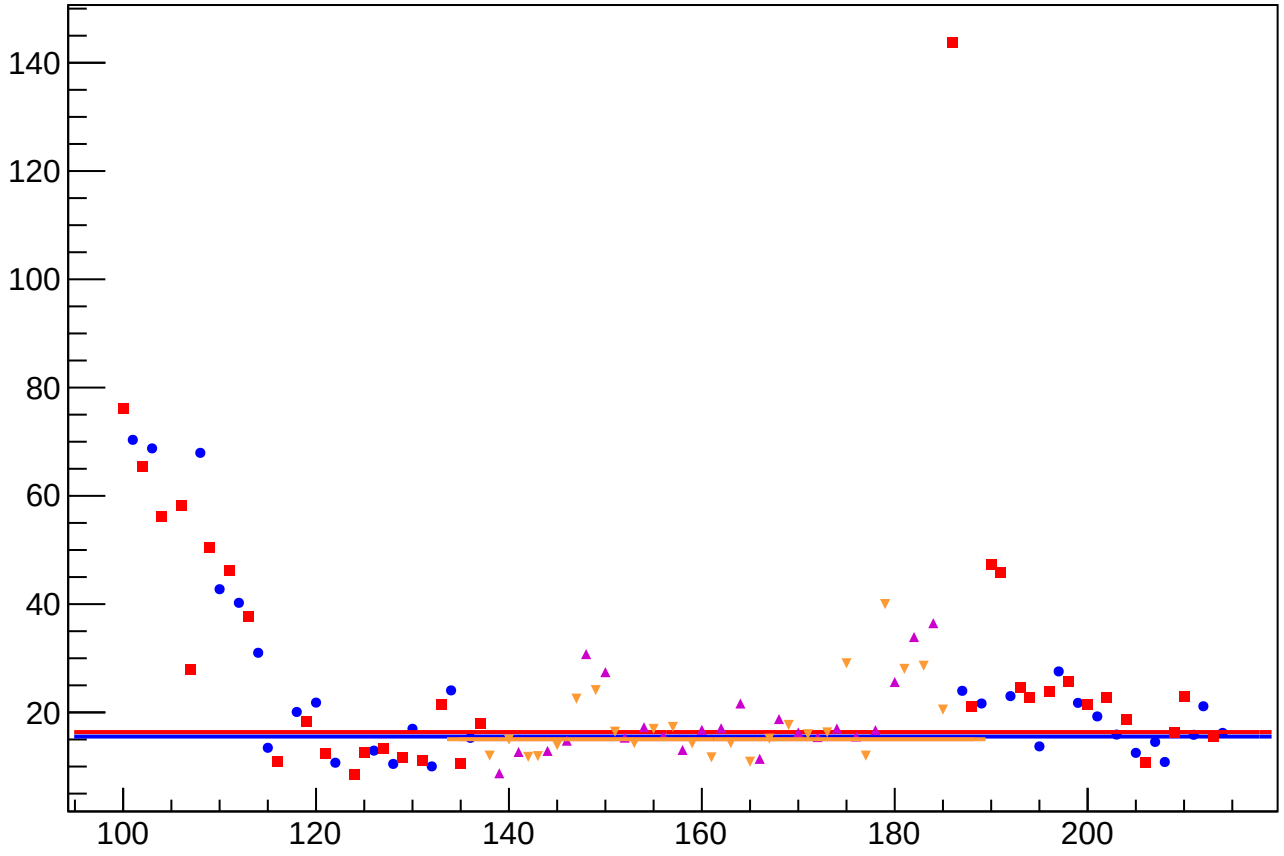
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 62.4/54

All: 0.002+/-0.002 χ^2/NDF: 142.0/111

- sign 0.003+/-0.003 χ^2/NDF: 79.5/56

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 15.540+/-0.003 χ^2/NDF: 4775432.5/29

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551485.0/33

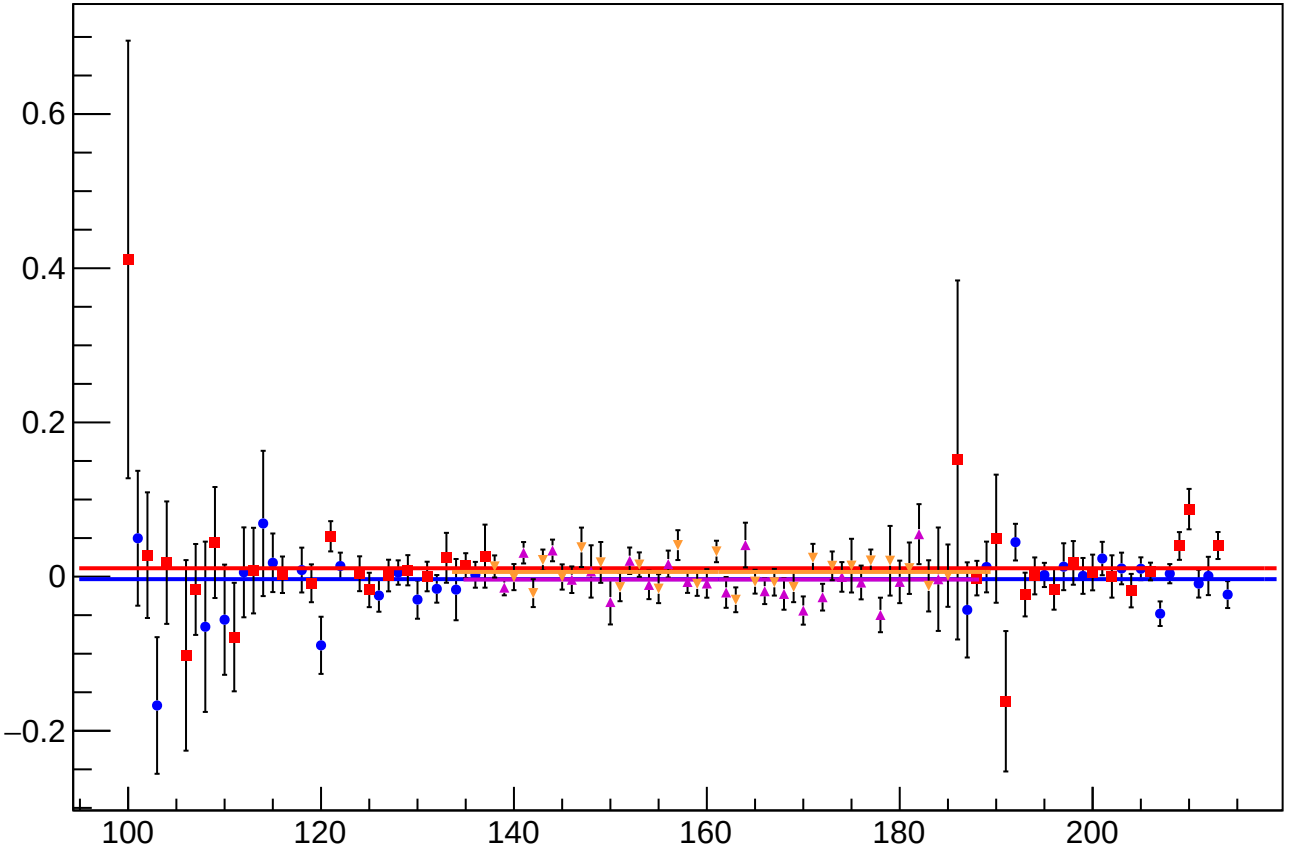
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.267+/-0.002 χ^2/NDF: 7549582.2/54

All: 15.444+/-0.001 χ^2/NDF: 17286917.5/111

- sign 15.640+/-0.002 χ^2/NDF: 9719655.9/56

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 32.9/29

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.011+/-0.004 χ^2/NDF: 36.1/33

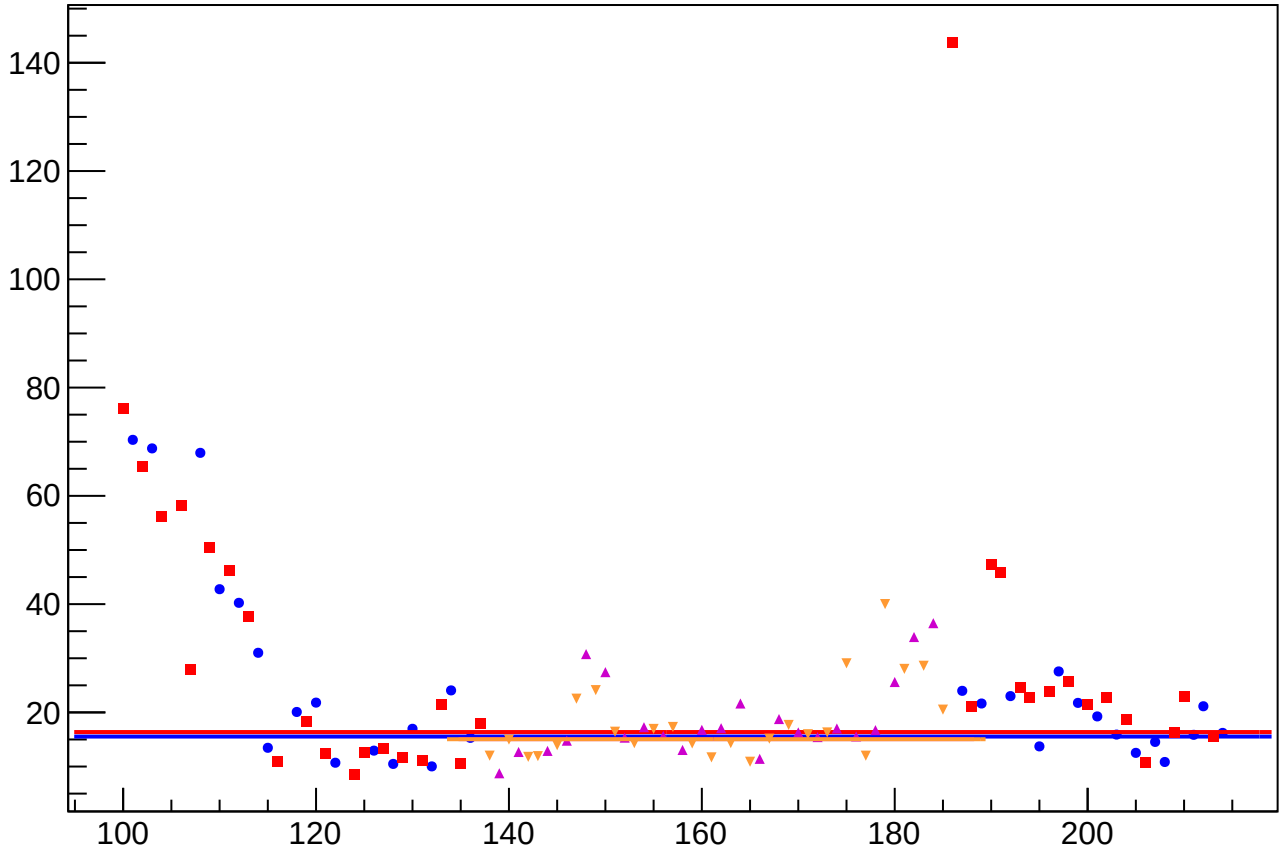
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 62.4/54

All: 0.002+/-0.002 χ^2/NDF: 142.0/111

- sign 0.003+/-0.003 χ^2/NDF: 79.5/56

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.540+/-0.003 χ^2/NDF: 4775432.5/29

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.372+/-0.003 χ^2/NDF: 6551485.0/33

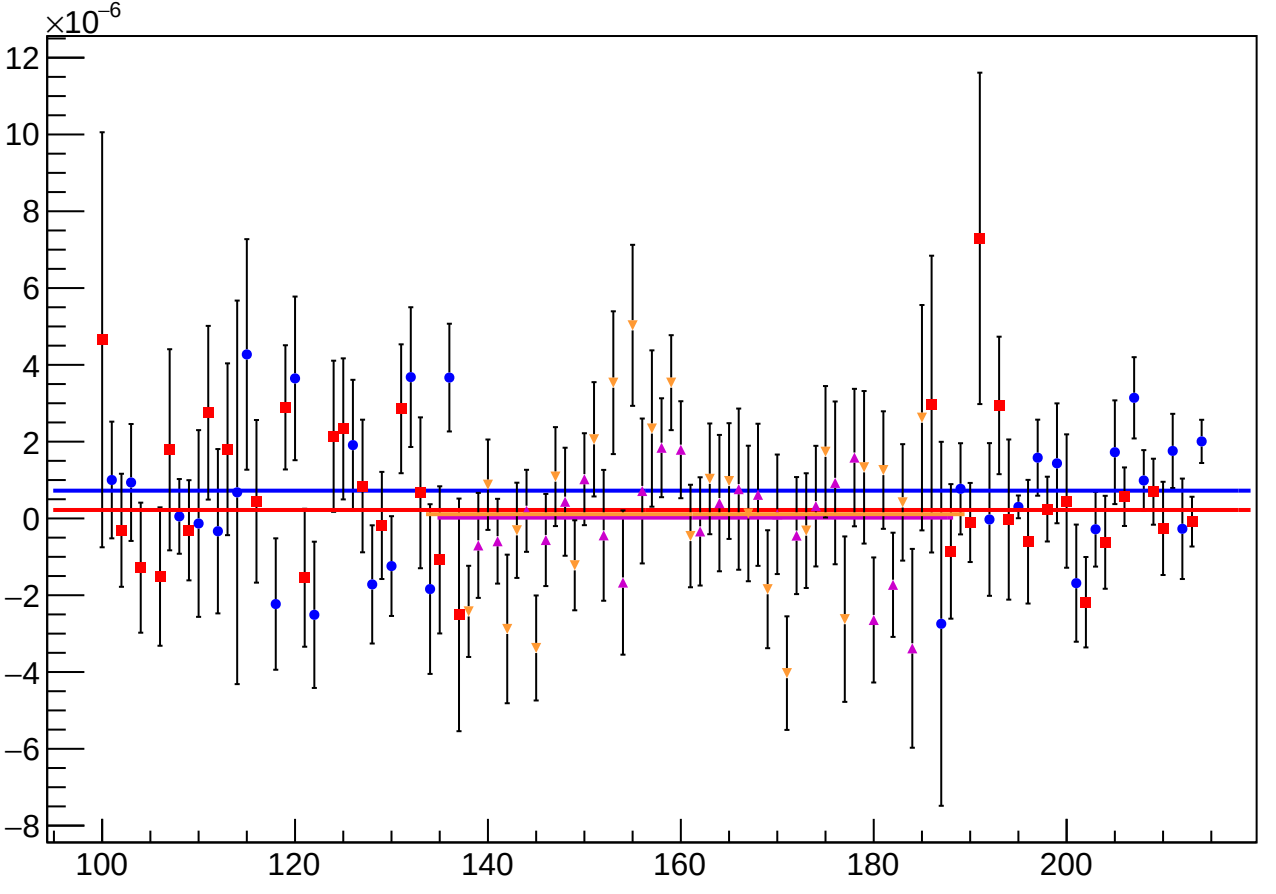
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.267+/-0.002 χ^2/NDF: 7549582.2/54

All: 15.444+/-0.001 χ^2/NDF: 17286917.5/111

- sign 15.640+/-0.002 χ^2/NDF: 9719655.9/56

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 43.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/33

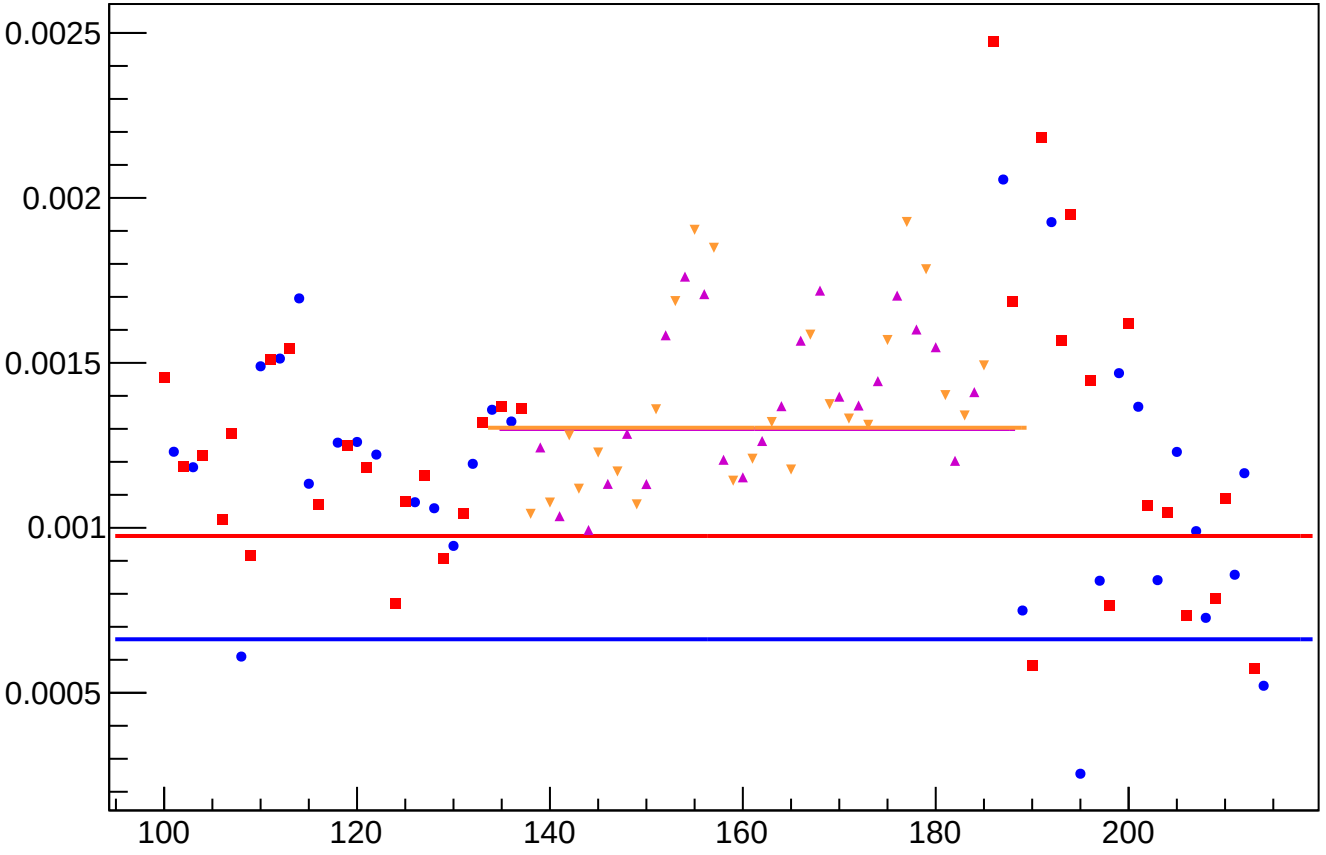
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.7/54

All: 0.000+/-0.000 χ^2/NDF: 140.4/111

- sign 0.000+/-0.000 χ^2/NDF: 41.0/56

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9877184.7/29

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4092830.3/33

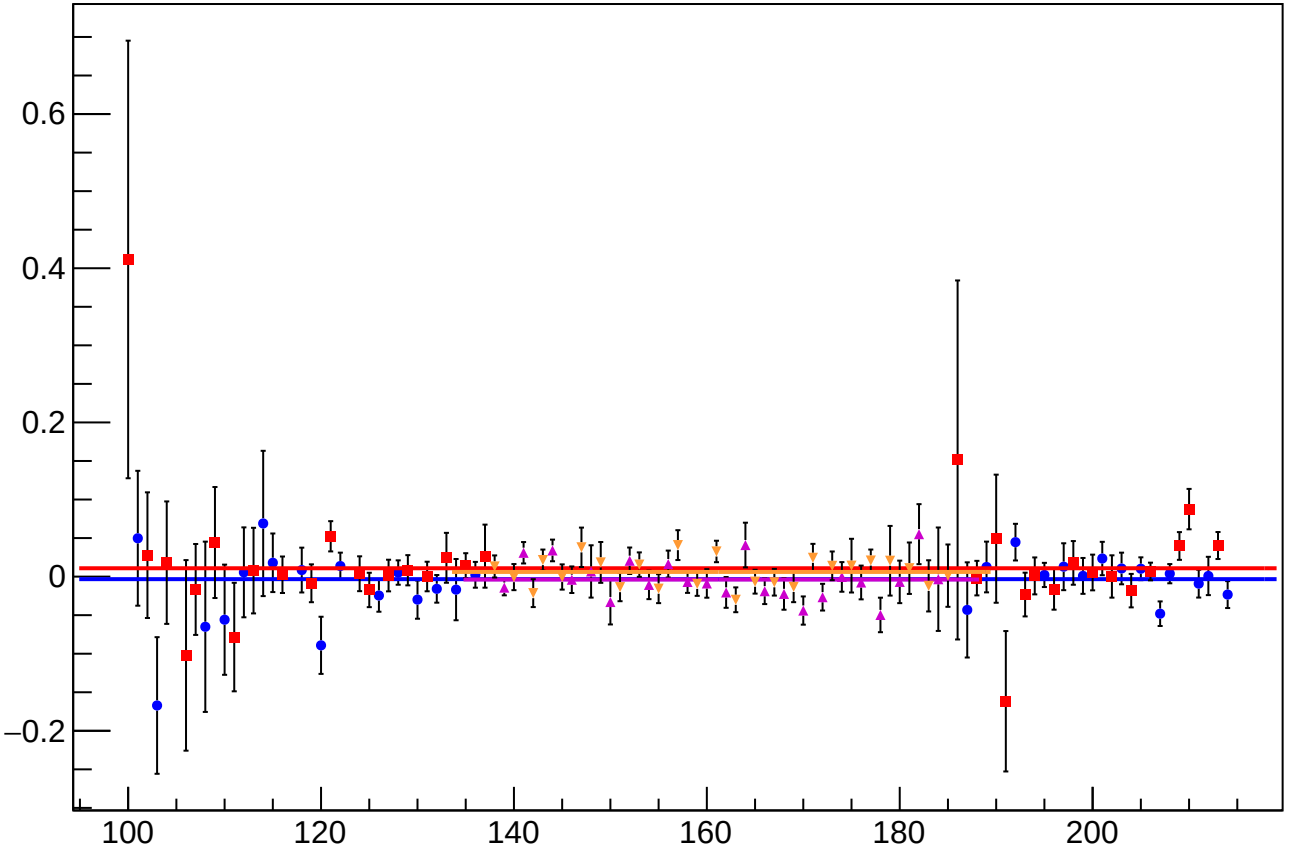
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 17605277.1/54

All: 0.001+/-0.000 χ^2/NDF: 26280949.0/111

- sign 0.001+/-0.000 χ^2/NDF: 6486610.7/56

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 32.9/29

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.011+/-0.004 χ^2/NDF: 36.1/33

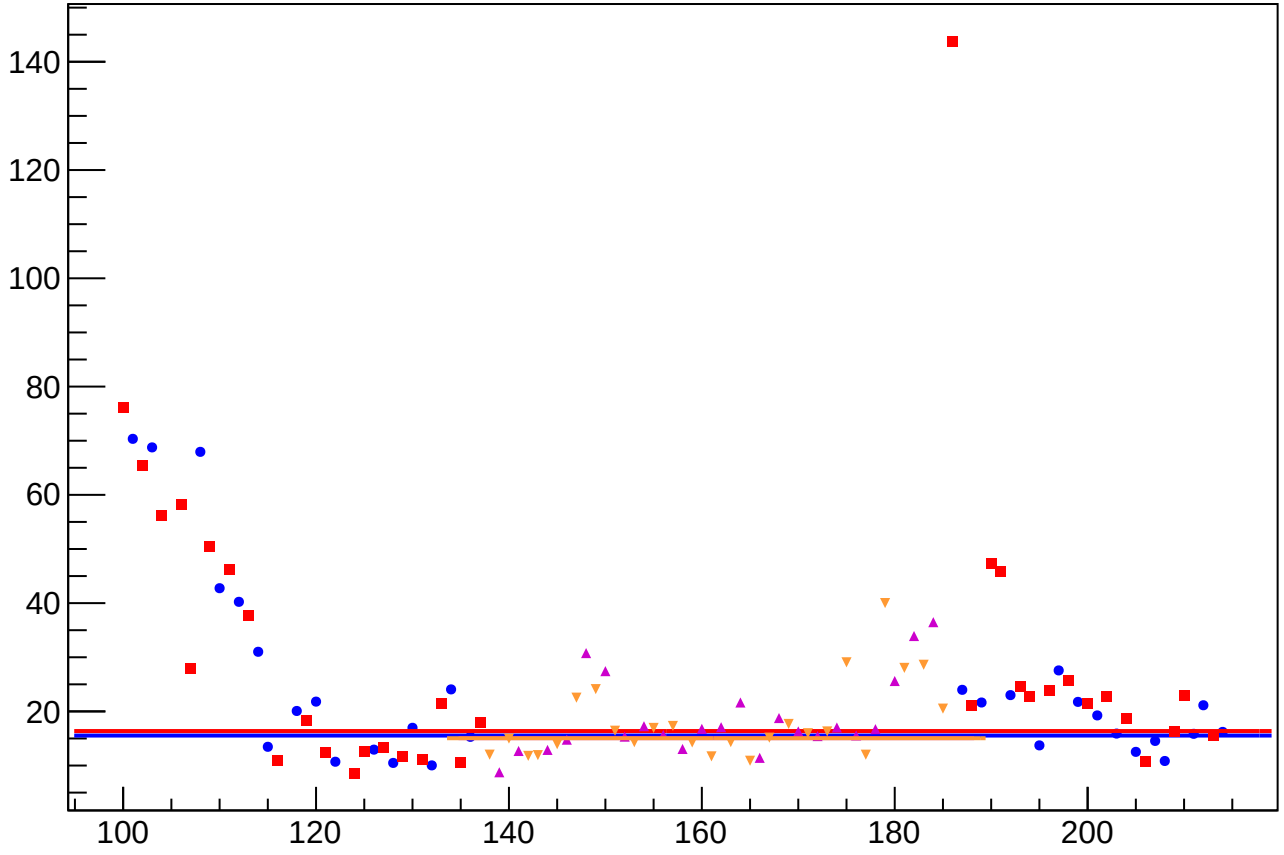
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 62.4/54

All: 0.002+/-0.002 χ^2/NDF: 142.0/111

- sign 0.003+/-0.003 χ^2/NDF: 79.5/56

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 15.540+/-0.003 χ^2/NDF: 4775434.3/29

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

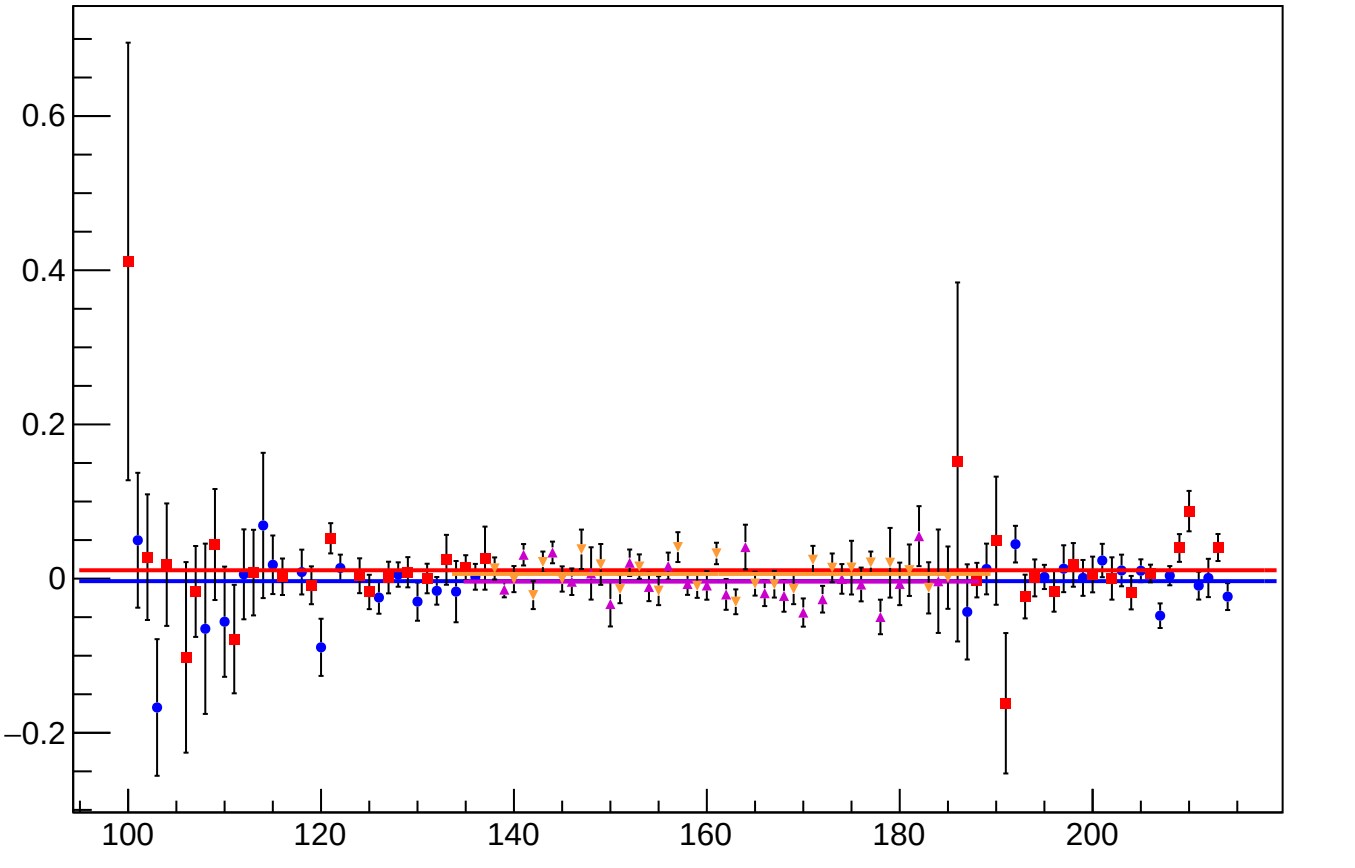
Right Out: 16.372+/-0.003 χ^2/NDF: 6551449.1/33

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.266+/-0.002 χ^2/NDF: 7549789.8/54

All: 15.444+/-0.001 χ^2/NDF: 17287131.9/111

- sign 15.640+/-0.002 χ^2/NDF: 9719655.7/56



Right In: -0.003+/-0.004 χ^2/NDF: 32.9/29

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.011+/-0.004 χ^2/NDF: 36.1/33

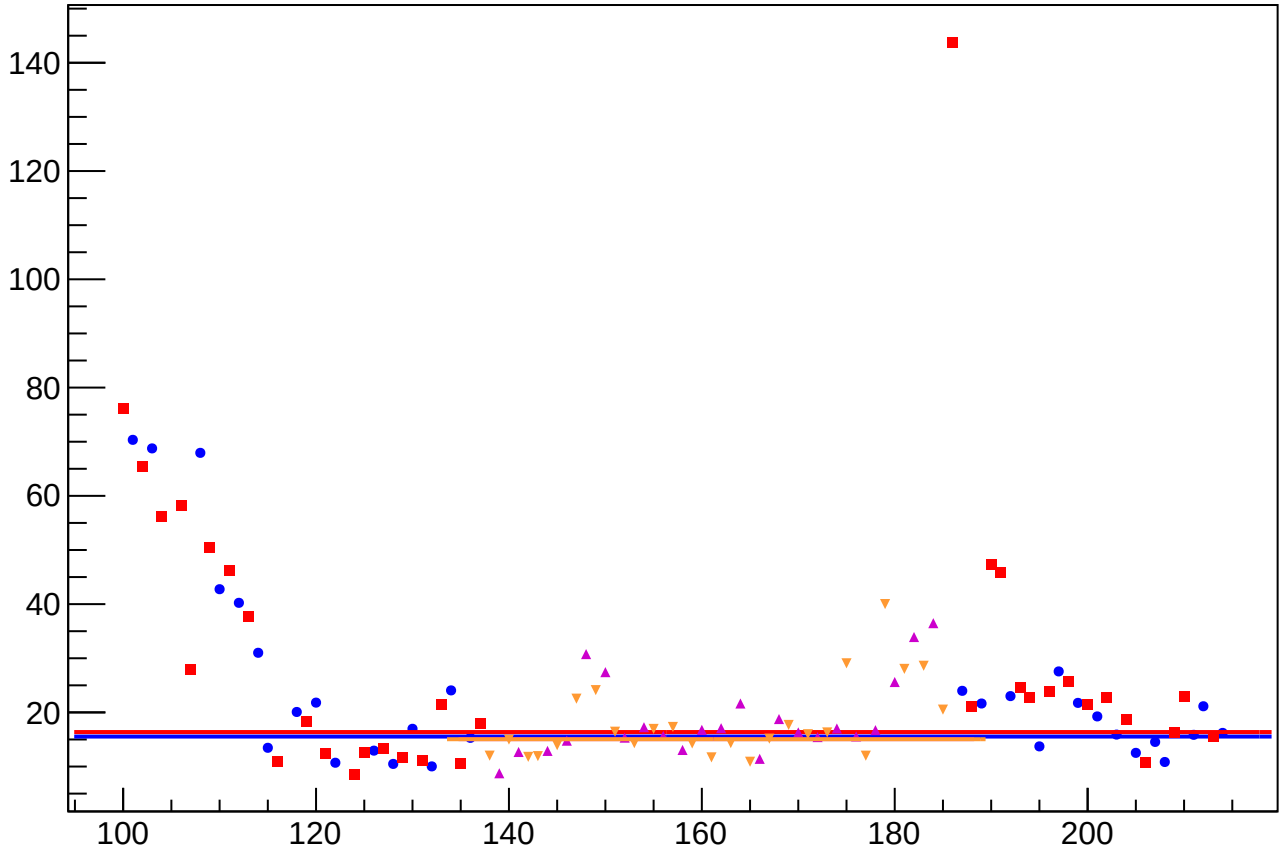
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.002+/-0.003 χ^2/NDF: 62.4/54

All: 0.002+/-0.002 χ^2/NDF: 142.0/111

- sign 0.003+/-0.003 χ^2/NDF: 79.5/56

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 15.540+/-0.003 χ^2/NDF: 4775434.3/29

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

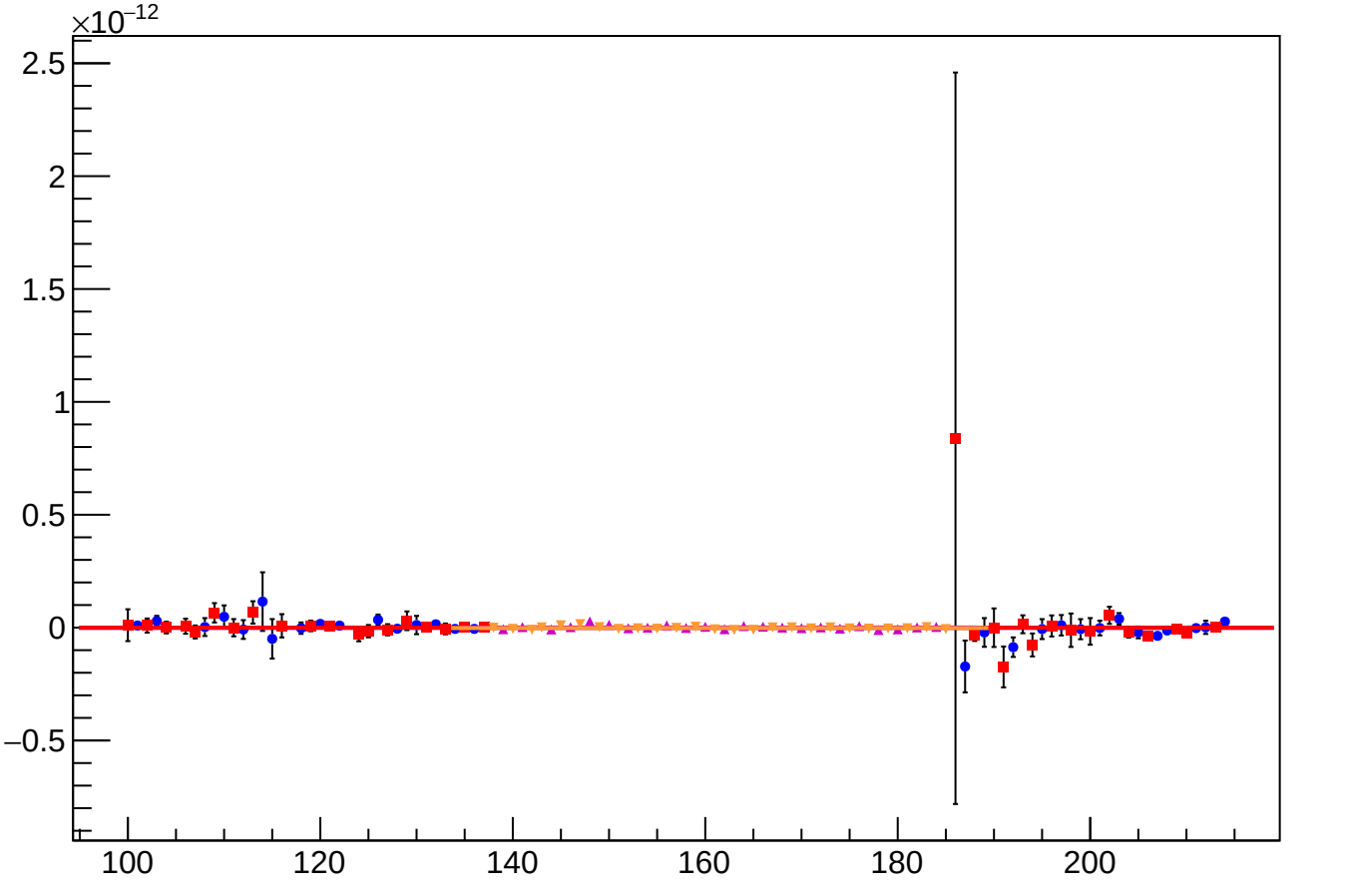
Right Out: 16.372+/-0.003 χ^2/NDF: 6551449.1/33

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.266+/-0.002 χ^2/NDF: 7549789.8/54

All: 15.444+/-0.001 χ^2/NDF: 17287131.9/111

- sign 15.640+/-0.002 χ^2/NDF: 9719655.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

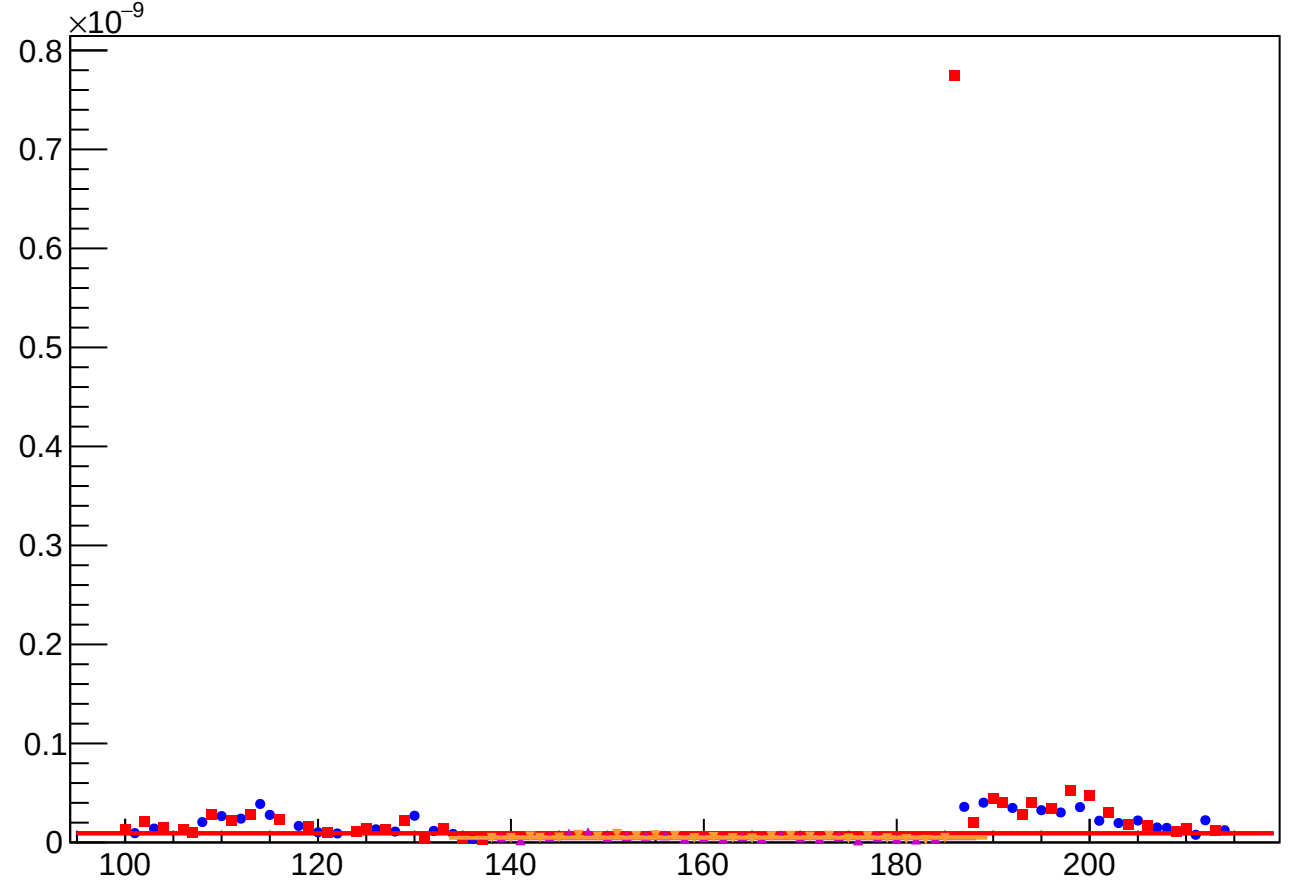
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/33

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/54

All: -0.000+/-0.000 χ^2/NDF: 88.1/111

- sign 0.000+/-0.000 χ^2/NDF: 45.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 9325594.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11128404.0/33

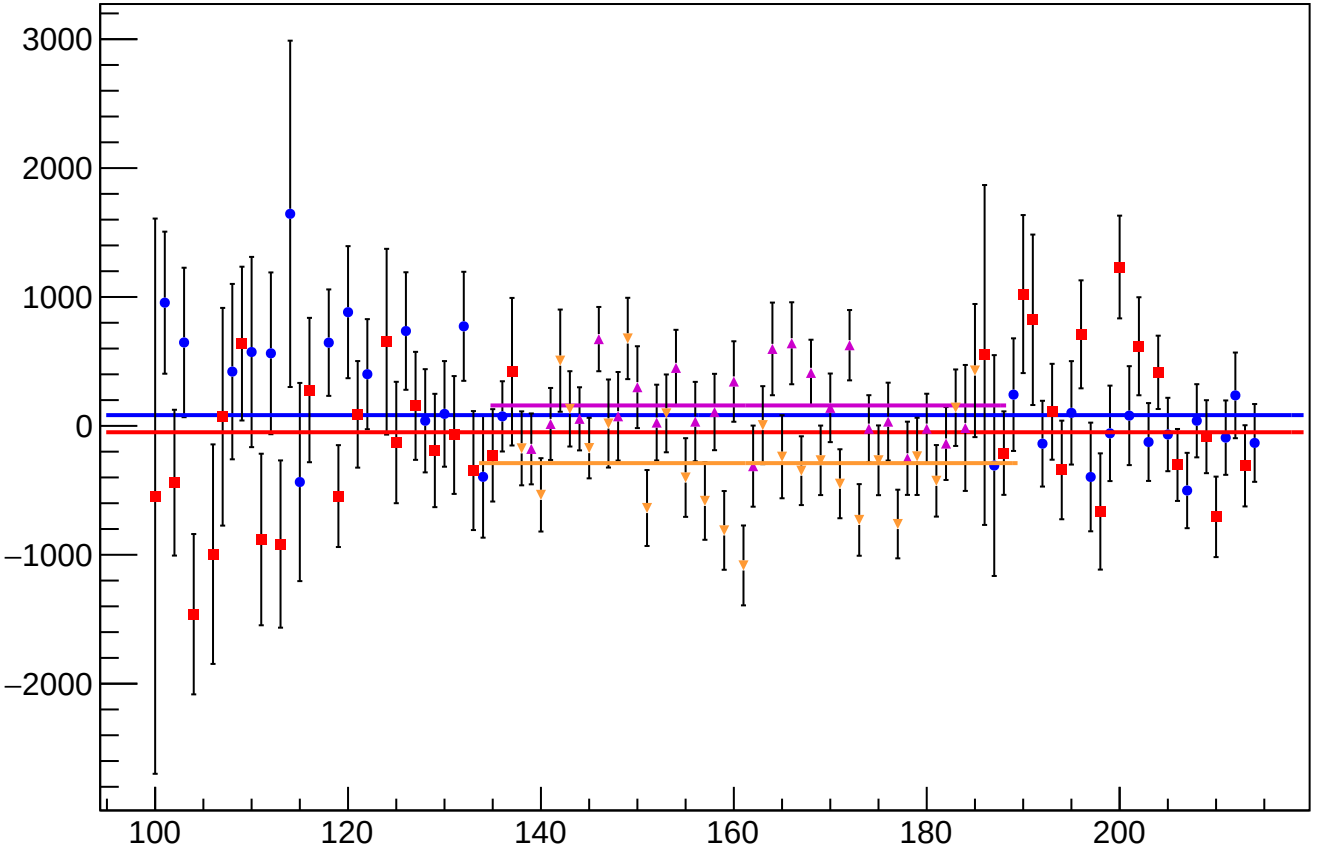
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14454776.4/54

All: 0.000+/-0.000 χ^2/NDF: 33110004.7/111

- sign 0.000+/-0.000 χ^2/NDF: 18509632.9/56

reg_asym_sam2_mean vs Slug



Right In: 83.491+/-72.209 χ^2/NDF: 25.2/29

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -49.295+/-74.496 χ^2/NDF: 49.5/33

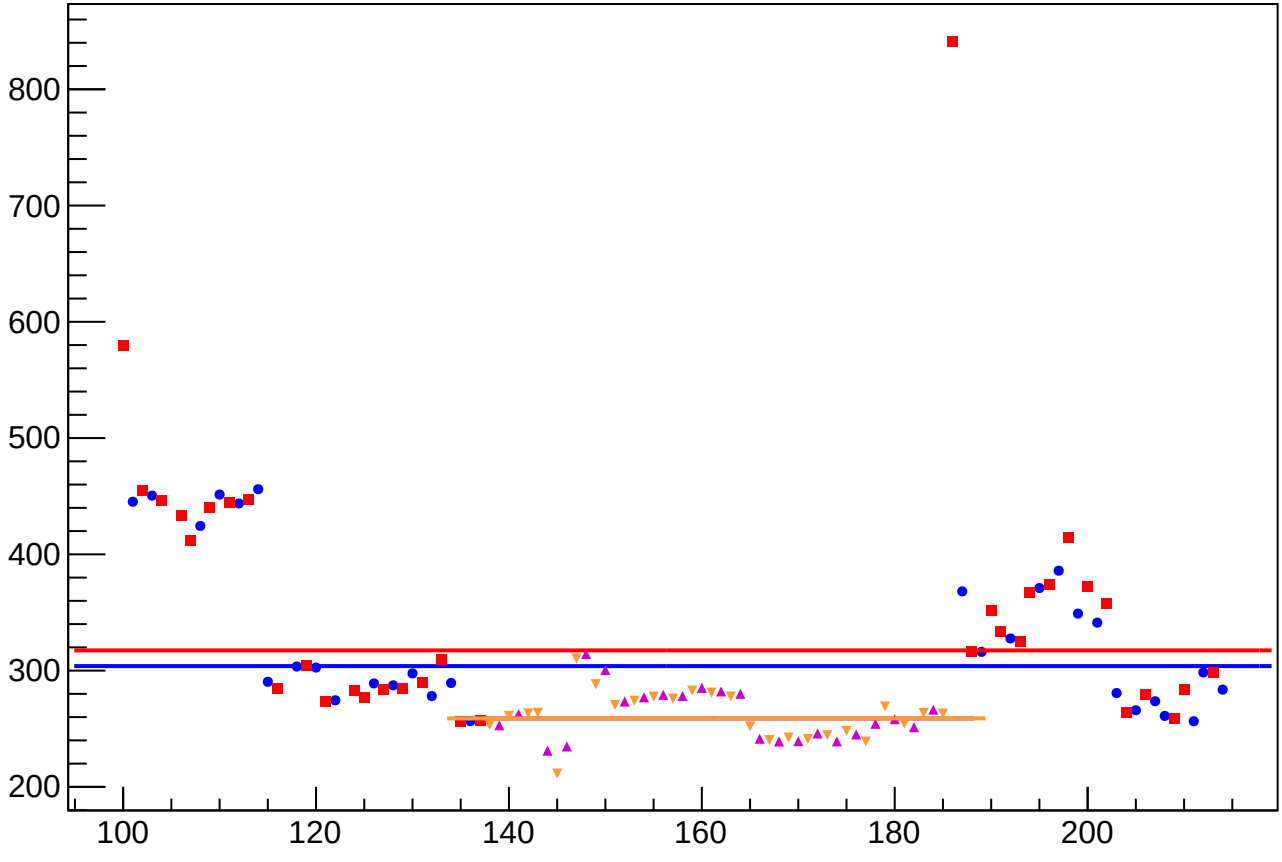
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -139.725+/-45.704 χ^2/NDF: 83.6/54

All: -35.192+/-32.787 χ^2/NDF: 171.1/111

- sign 75.637+/-47.061 χ^2/NDF: 76.7/56

reg_asym_sam2_rms vs Slug



Right In: 303.888+/-0.051 χ^2/NDF: 994608.4/29

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 317.383+/-0.053 χ^2/NDF: 1469306.7/33

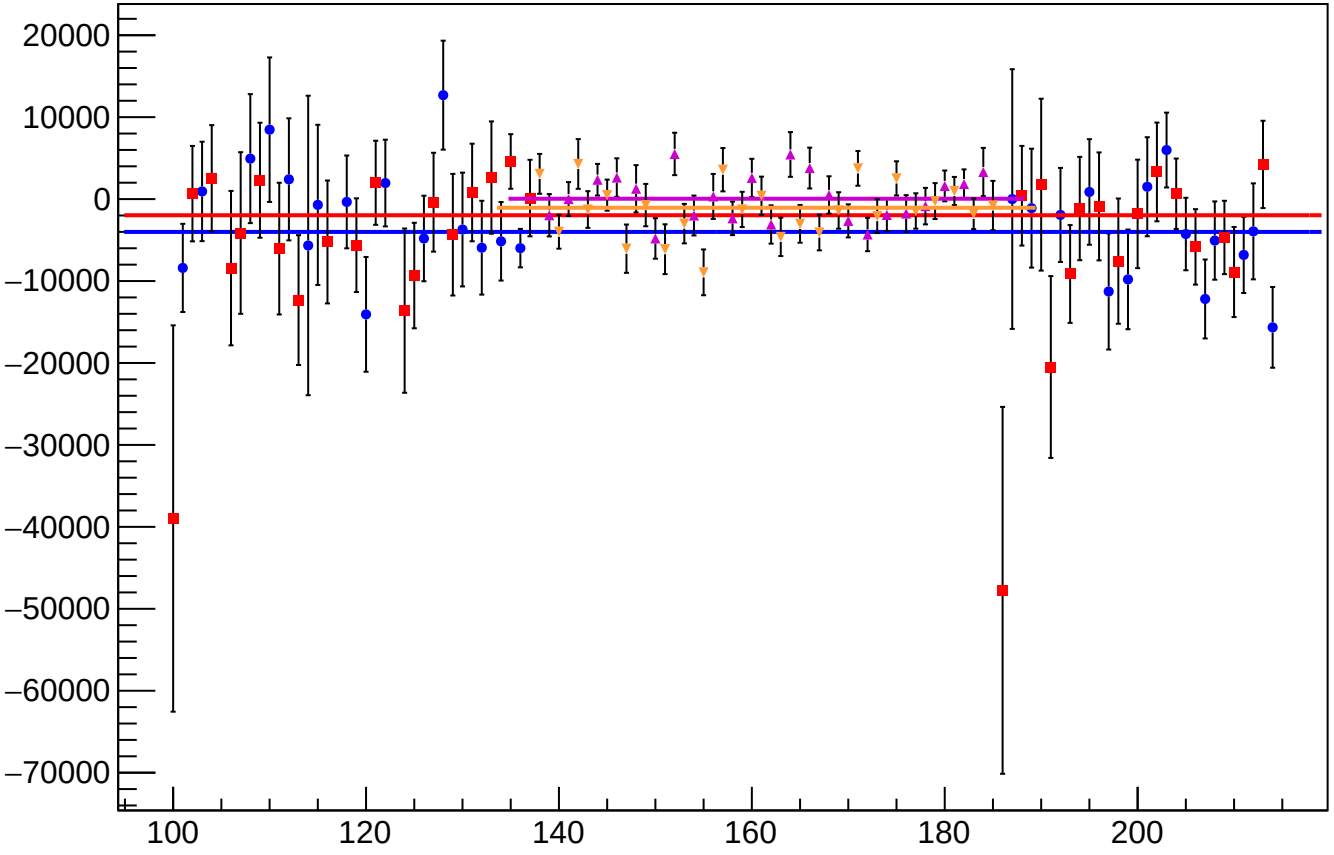
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.930+/-0.032 χ^2/NDF: 1708405.9/54

All: 279.490+/-0.023 χ^2/NDF: 4177733.5/11

- sign 282.204+/-0.033 χ^2/NDF: 2456402.6/56

asym_sam2_reg_correction_mean vs Slug



Right In: -4004.932+/-1000.049 χ^2/NDF: 33.8/29

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1968.281+/-1060.217 χ^2/NDF: 29.2/33

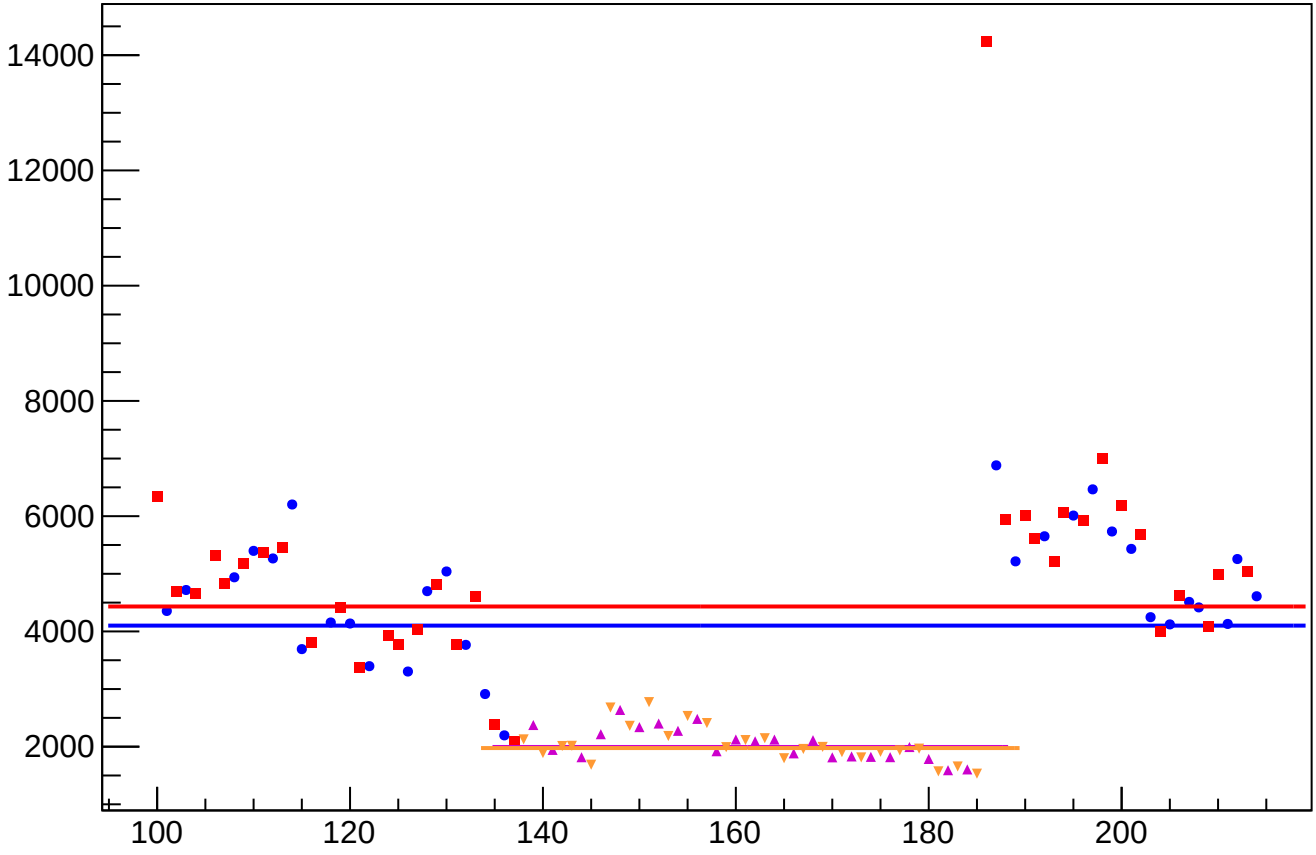
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1563.786+/-413.887 χ^2/NDF: 82.5/54

All: -950.086+/-298.265 χ^2/NDF: 153.5/111

- sign -287.032+/-430.208 χ^2/NDF: 66.4/56

asym_sam2_reg_correction_rms vs Slug



Right In: 4100.880+/-0.707 χ^2/NDF: 2774042.1/29

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4432.692+/-0.750 χ^2/NDF: 2931293.0/33

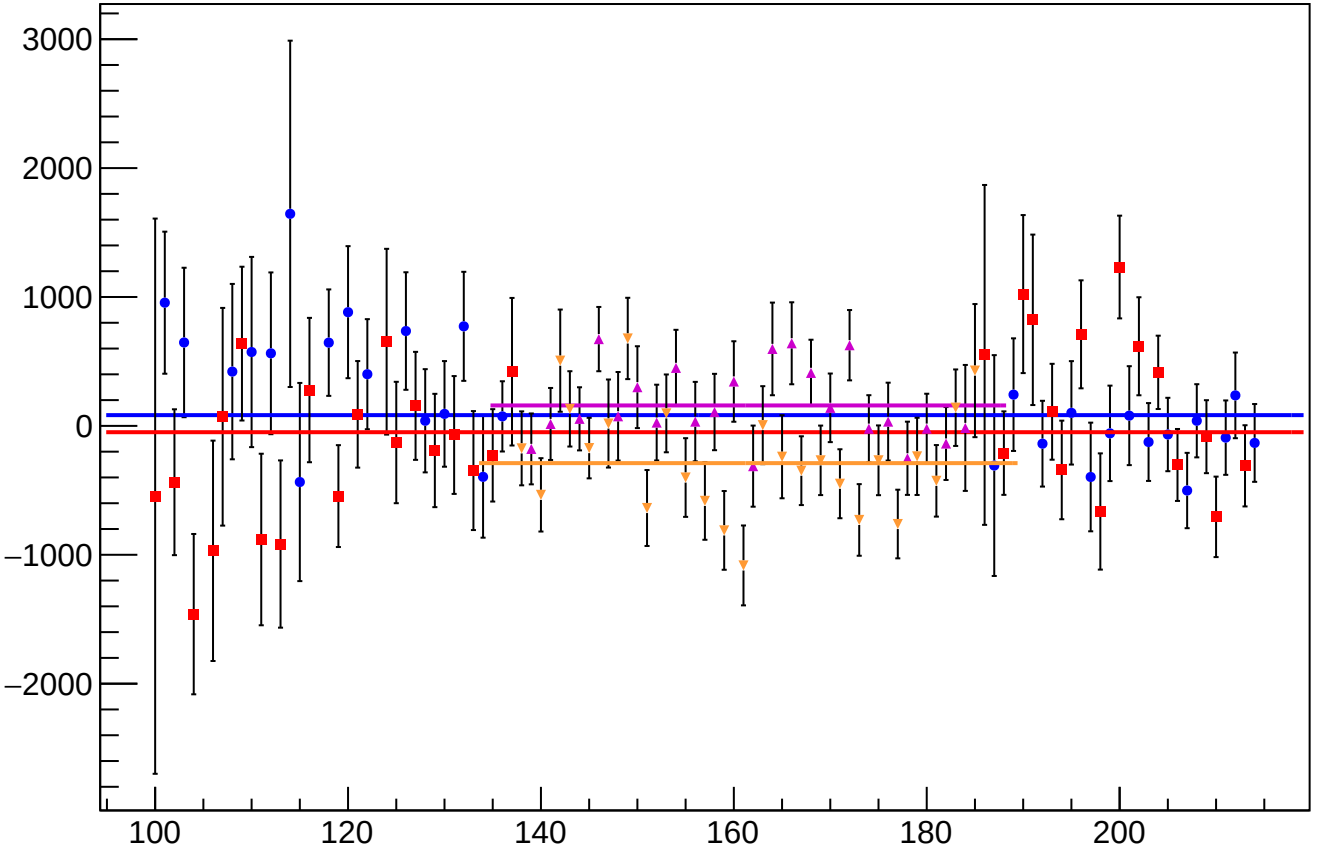
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2339.935+/-0.293 χ^2/NDF: 11020338.9/54

All: 2366.966+/-0.211 χ^2/NDF: 23403250.4/1

- sign 2396.170+/-0.304 χ^2/NDF: 12365163.9/56

cor_asym_sam2_mean vs Slug



Right In: 83.468+/-72.209 χ^2/NDF: 25.2/29

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.972+/-74.499 χ^2/NDF: 49.4/33

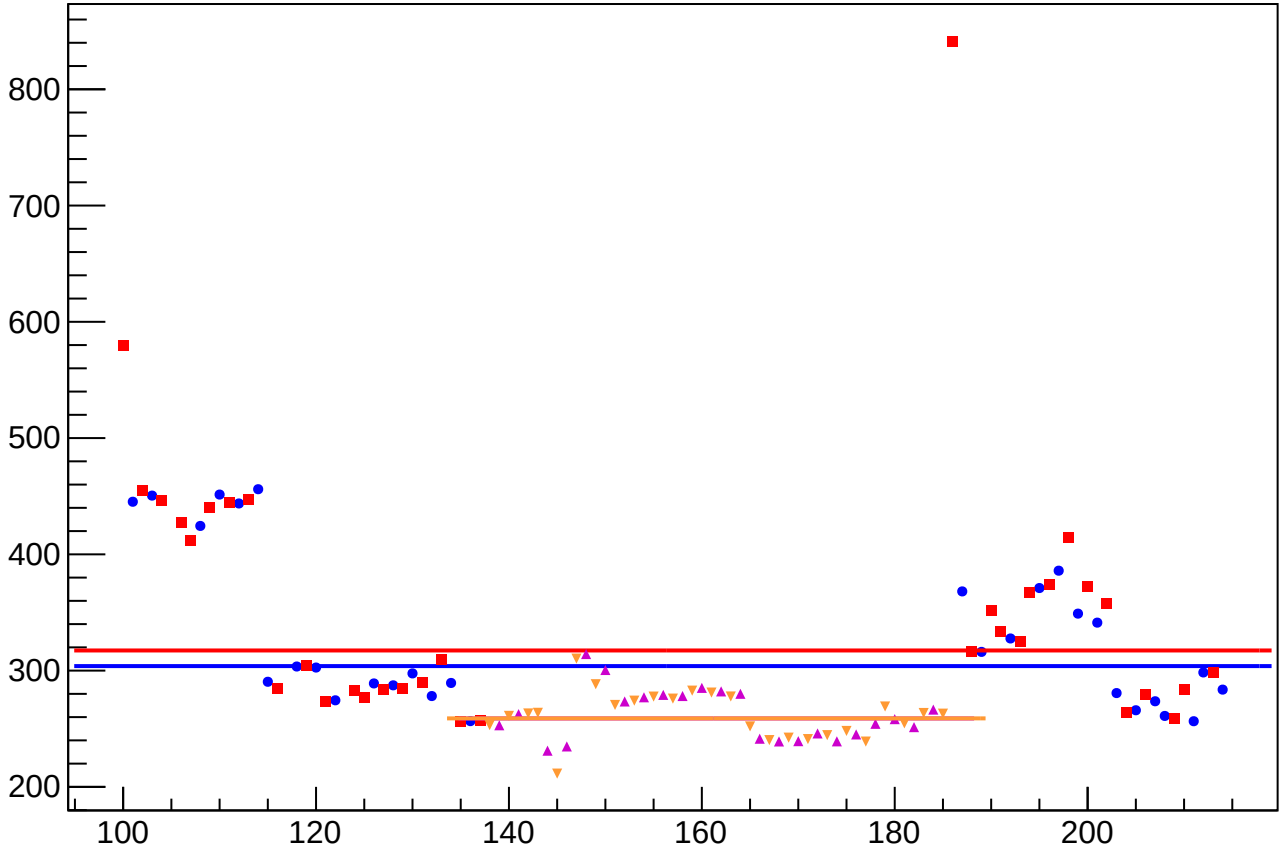
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -139.737+/-45.704 χ^2/NDF: 83.6/54

All: -35.132+/-32.787 χ^2/NDF: 171.0/111

- sign 75.776+/-47.061 χ^2/NDF: 76.6/56

cor_asym_sam2_rms vs Slug



Right In: 303.888+/-0.051 χ^2/NDF: 994609.9/29

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 317.326+/-0.053 χ^2/NDF: 1465043.7/33

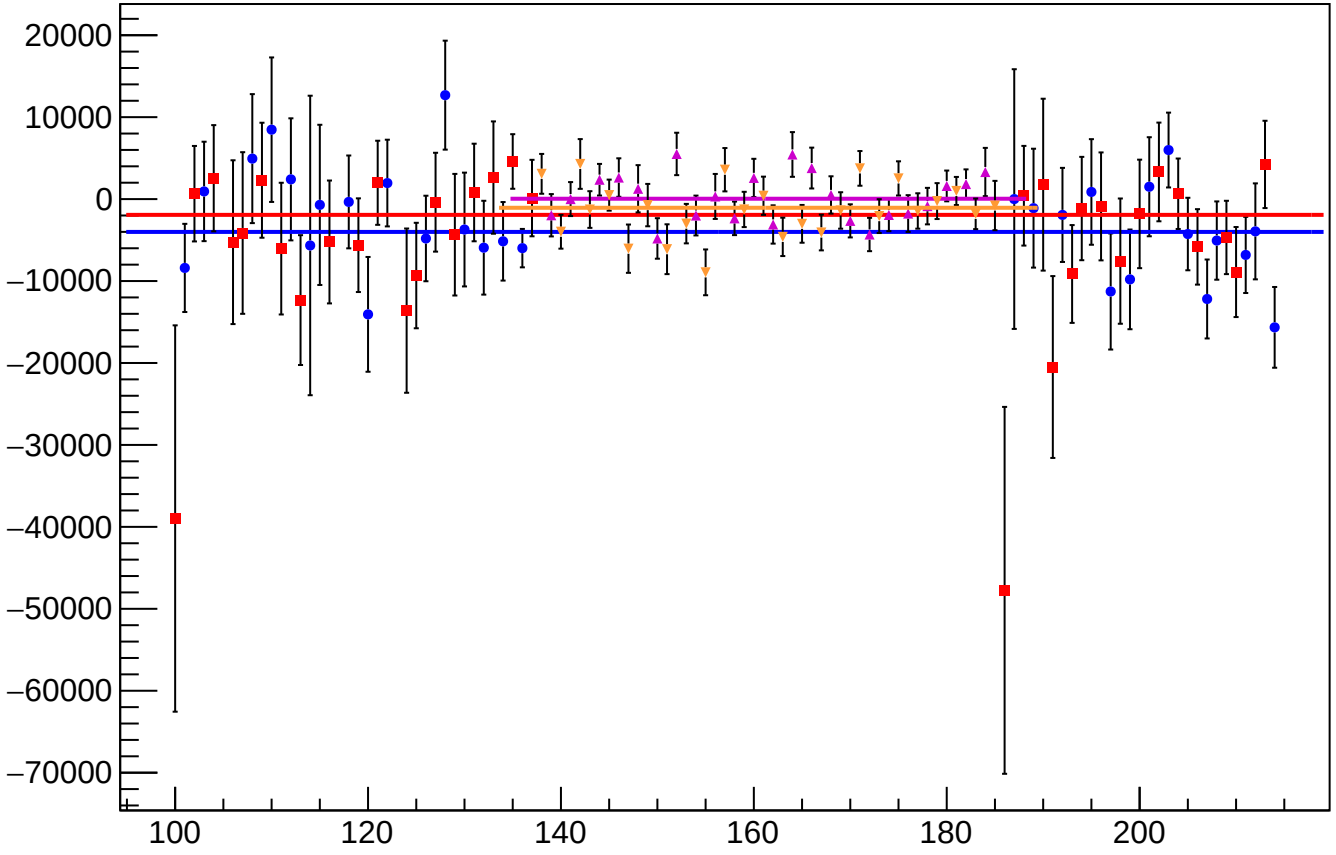
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.930+/-0.032 χ^2/NDF: 1708407.5/54

All: 279.479+/-0.023 χ^2/NDF: 4171877.2/111

- sign 282.180+/-0.033 χ^2/NDF: 2450661.2/56

asym_sam2_cor_correction_mean vs Slug



Right In: -4004.908+/-1000.051 χ^2/NDF: 33.8/29

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1923.793+/-1060.985 χ^2/NDF: 28.8/33

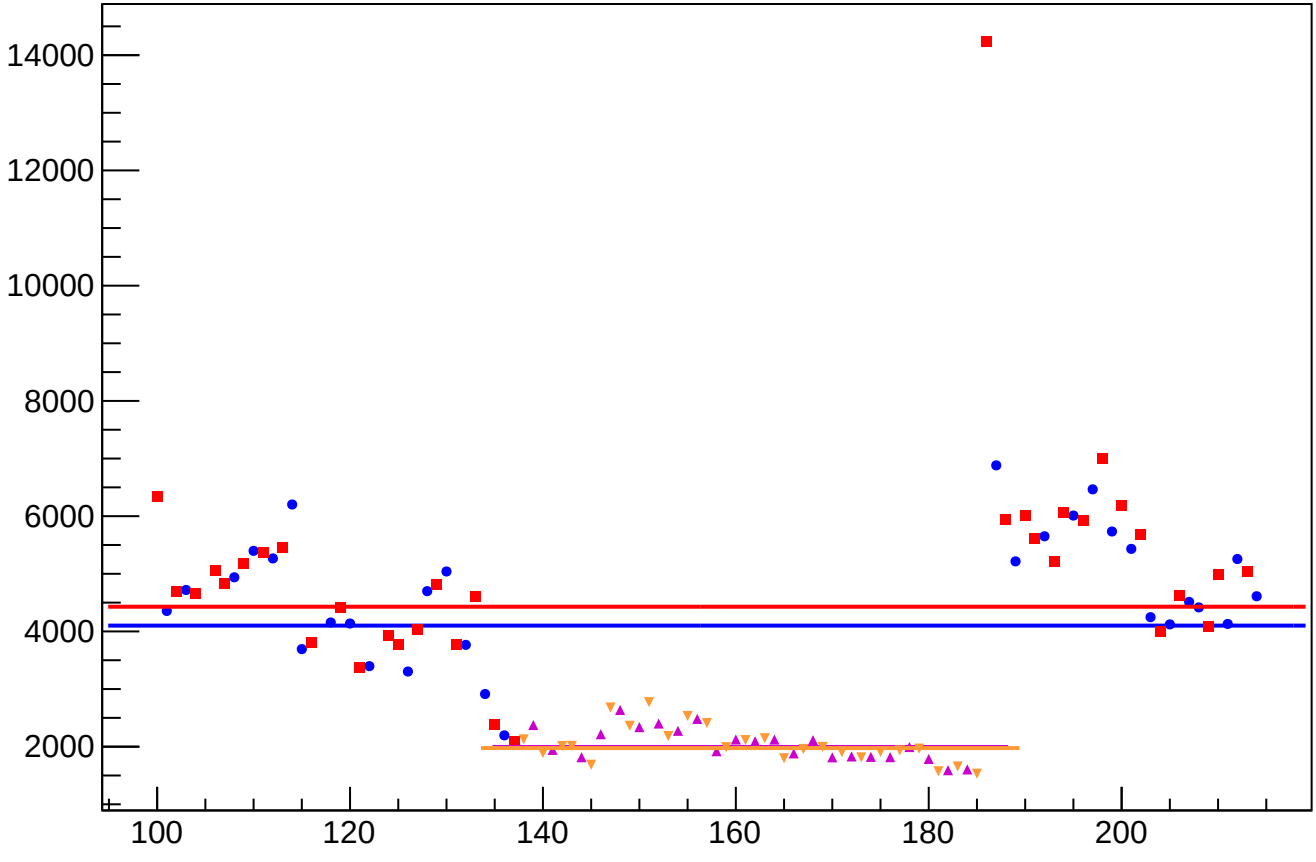
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1563.784+/-413.887 χ^2/NDF: 82.5/54

All: -946.453+/-298.283 χ^2/NDF: 153.1/111

- sign -279.319+/-430.259 χ^2/NDF: 65.9/56

asym_sam2_cor_correction_rms vs Slug



Right In: 4100.884+/-0.707 χ^2/NDF: 2774050.4/29

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4428.755+/-0.750 χ^2/NDF: 2921965.2/33

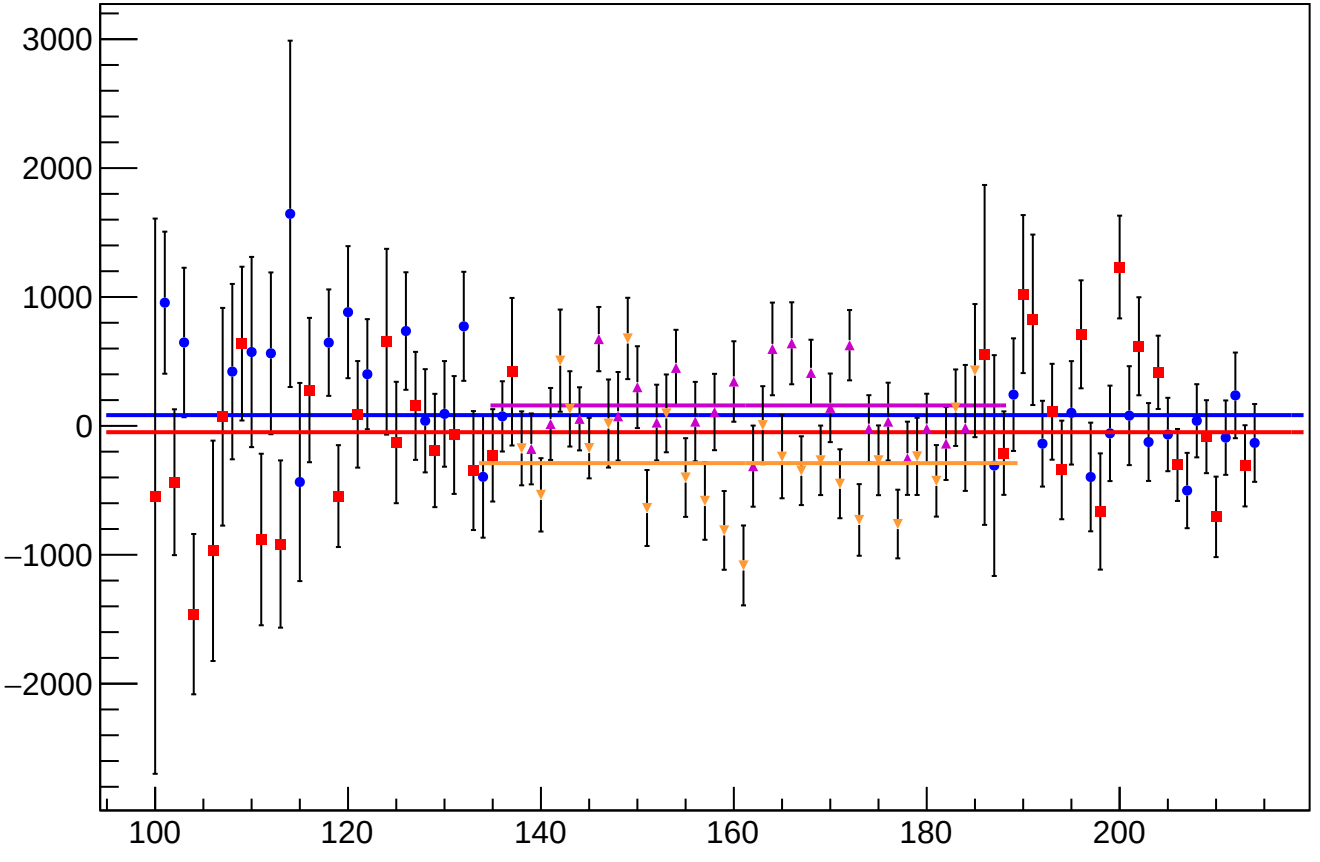
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2339.935+/-0.293 χ^2/NDF: 11020359.3/54

All: 2366.418+/-0.211 χ^2/NDF: 23354075.5/1

- sign 2395.038+/-0.304 χ^2/NDF: 12316678.3/56

eigen_cor_asym_sam2_mean vs Slug



Right In: 83.468+/-72.209 χ^2/NDF: 25.2/29

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.972+/-74.499 χ^2/NDF: 49.4/33

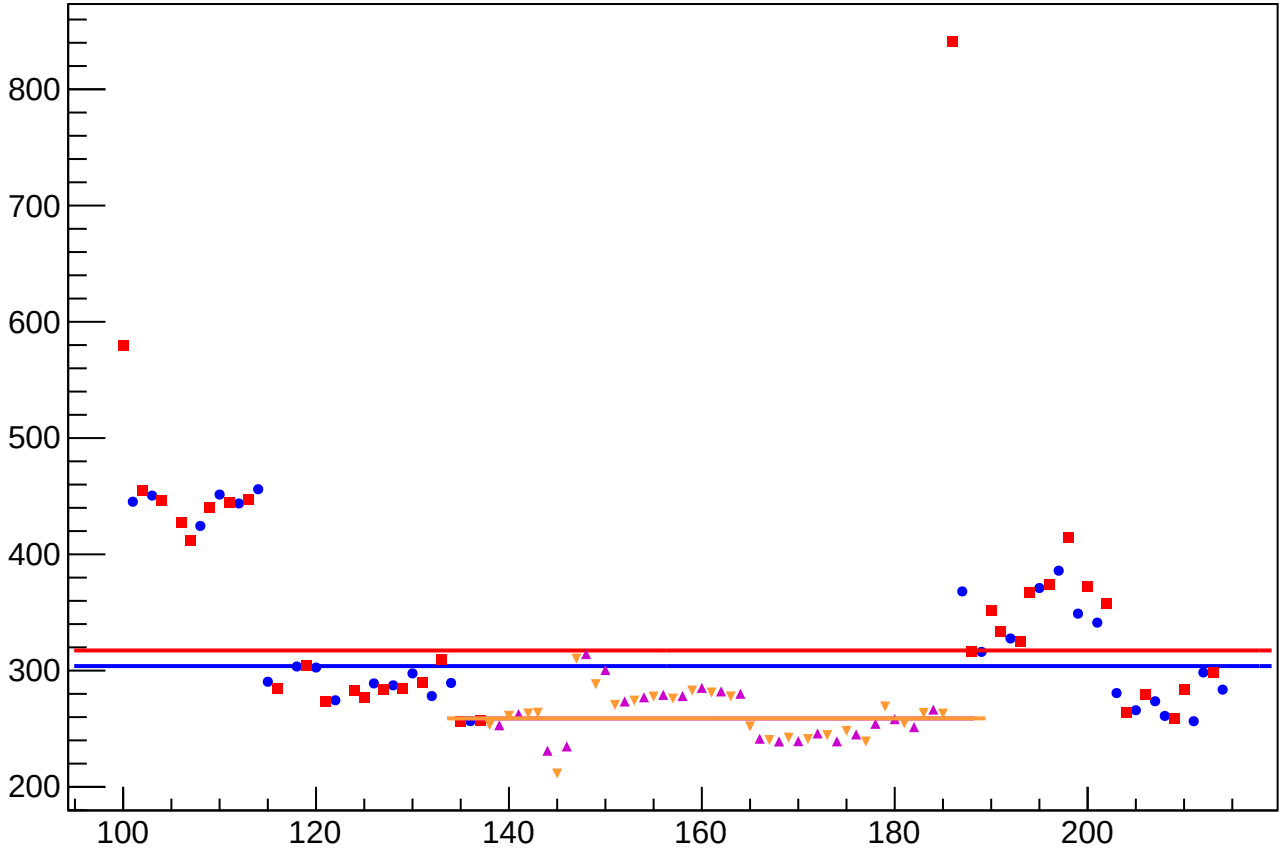
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -139.737+/-45.704 χ^2/NDF: 83.6/54

All: -35.132+/-32.787 χ^2/NDF: 171.0/111

- sign 75.776+/-47.061 χ^2/NDF: 76.6/56

eigen_cor_asym_sam2_rms vs Slug



Right In: 303.888+/-0.051 χ^2/NDF: 994609.9/29

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

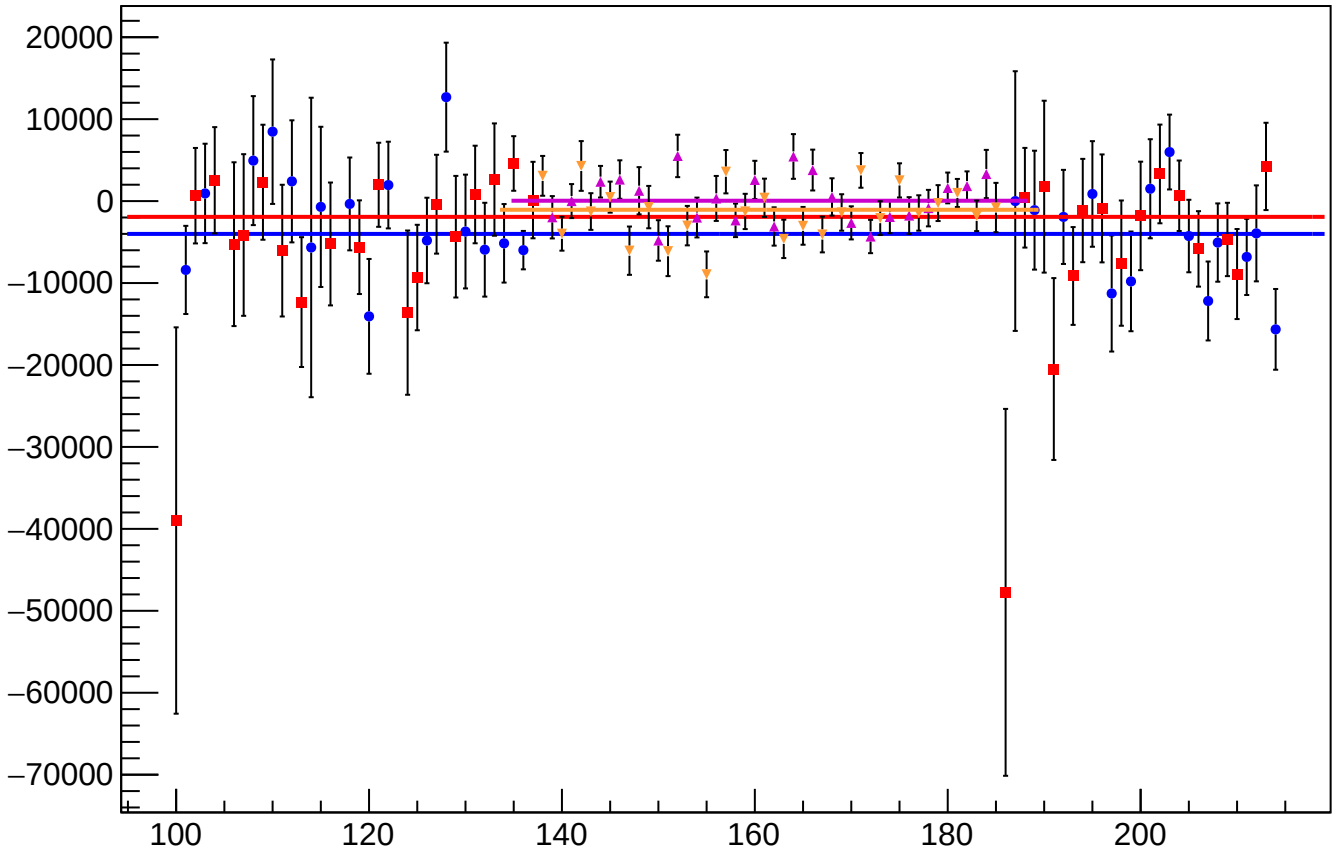
Right Out: 317.326+/-0.053 χ^2/NDF: 1465043.7/33

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 276.930+/-0.032 χ^2/NDF: 1708407.5/54

All: 279.479+/-0.023 χ^2/NDF: 4171877.2/111

- sign 282.180+/-0.033 χ^2/NDF: 2450661.2/56



Right In: -4004.908+/-1000.051 χ^2/NDF: 33.8/29

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1923.793+/-1060.985 χ^2/NDF: 28.8/33

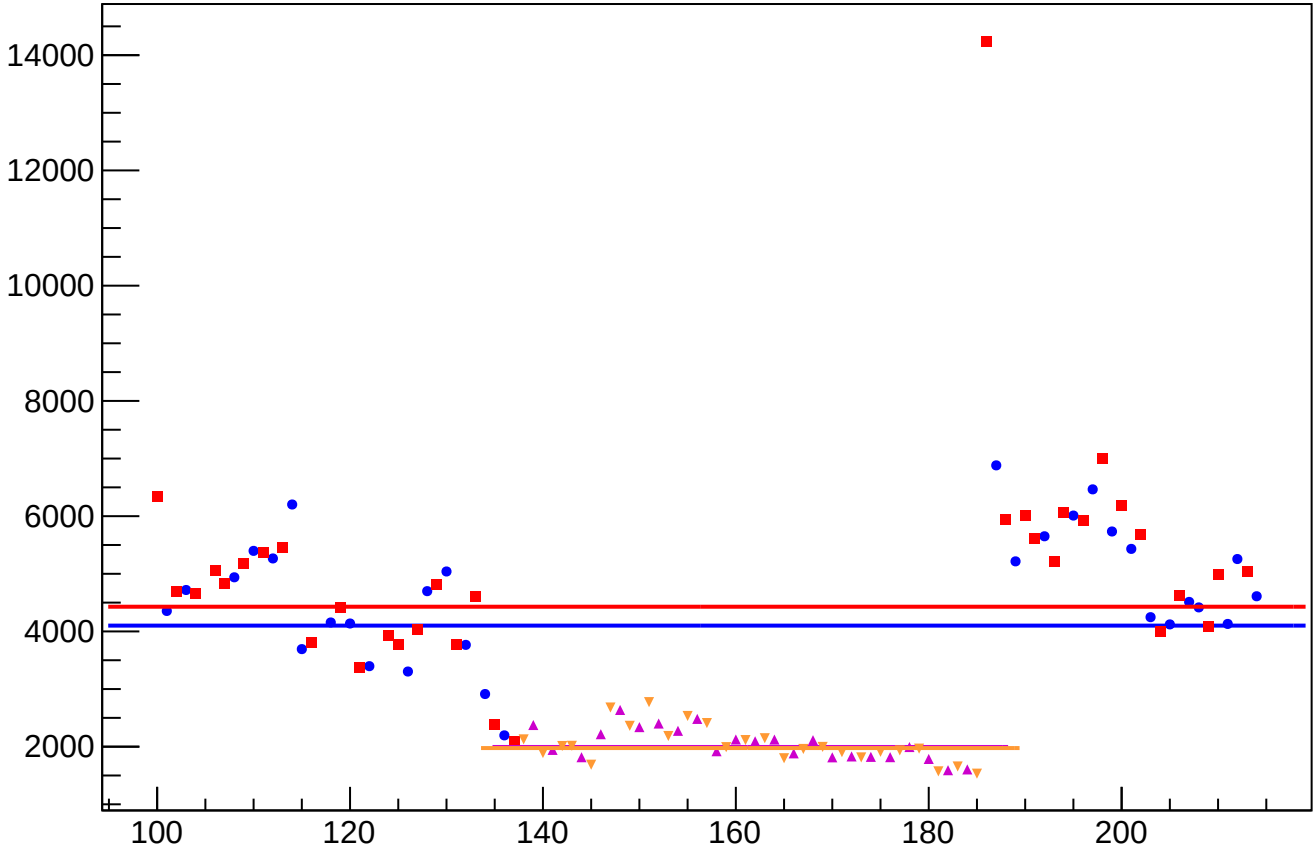
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1563.784+/-413.887 χ^2/NDF: 82.5/54

All: -946.453+/-298.283 χ^2/NDF: 153.1/111

- sign -279.319+/-430.259 χ^2/NDF: 65.9/56

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4100.884+/-0.707 χ^2/NDF: 2774050.4/29

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

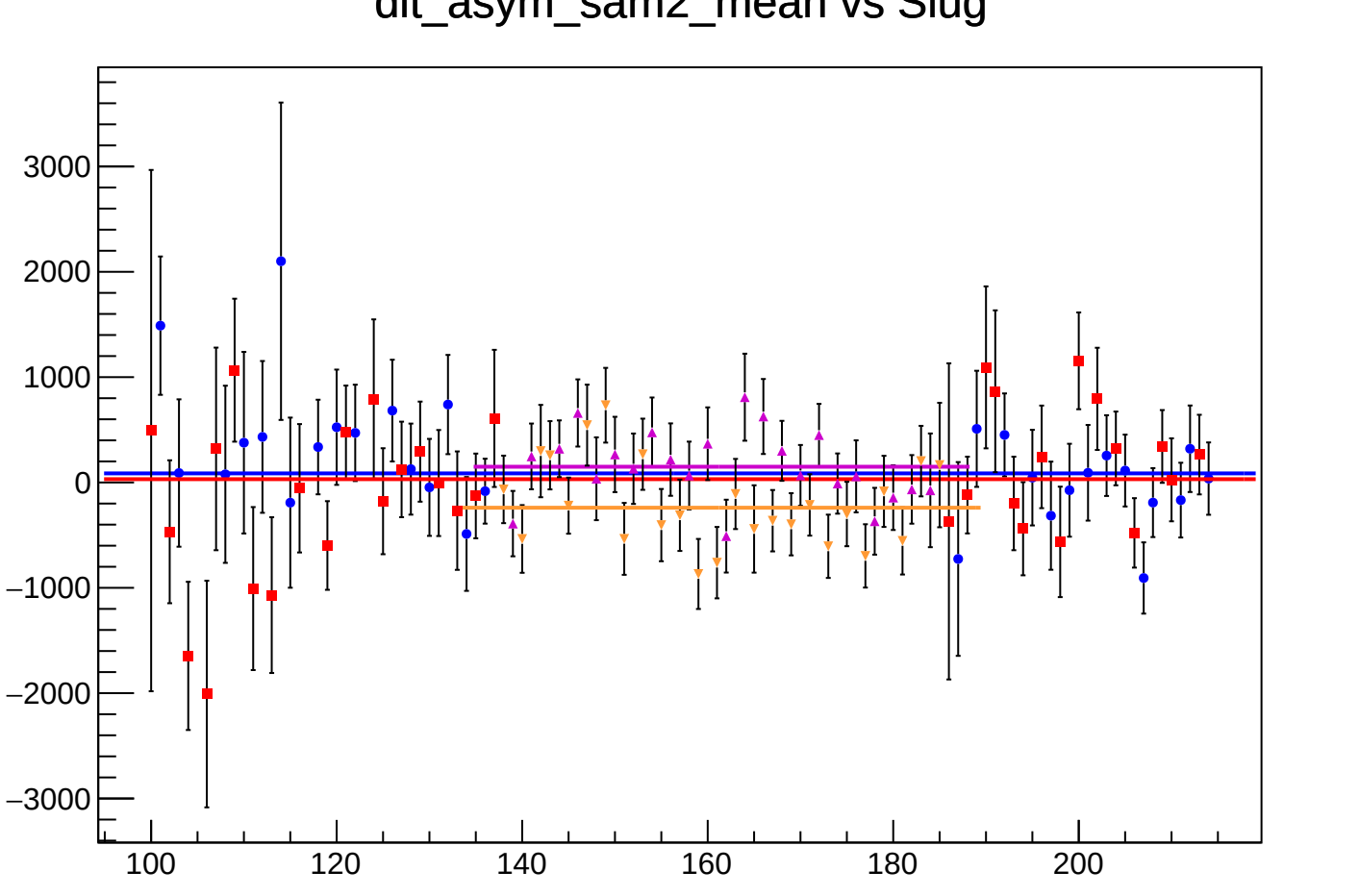
Right Out: 4428.755+/-0.750 χ^2/NDF: 2921965.2/33

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

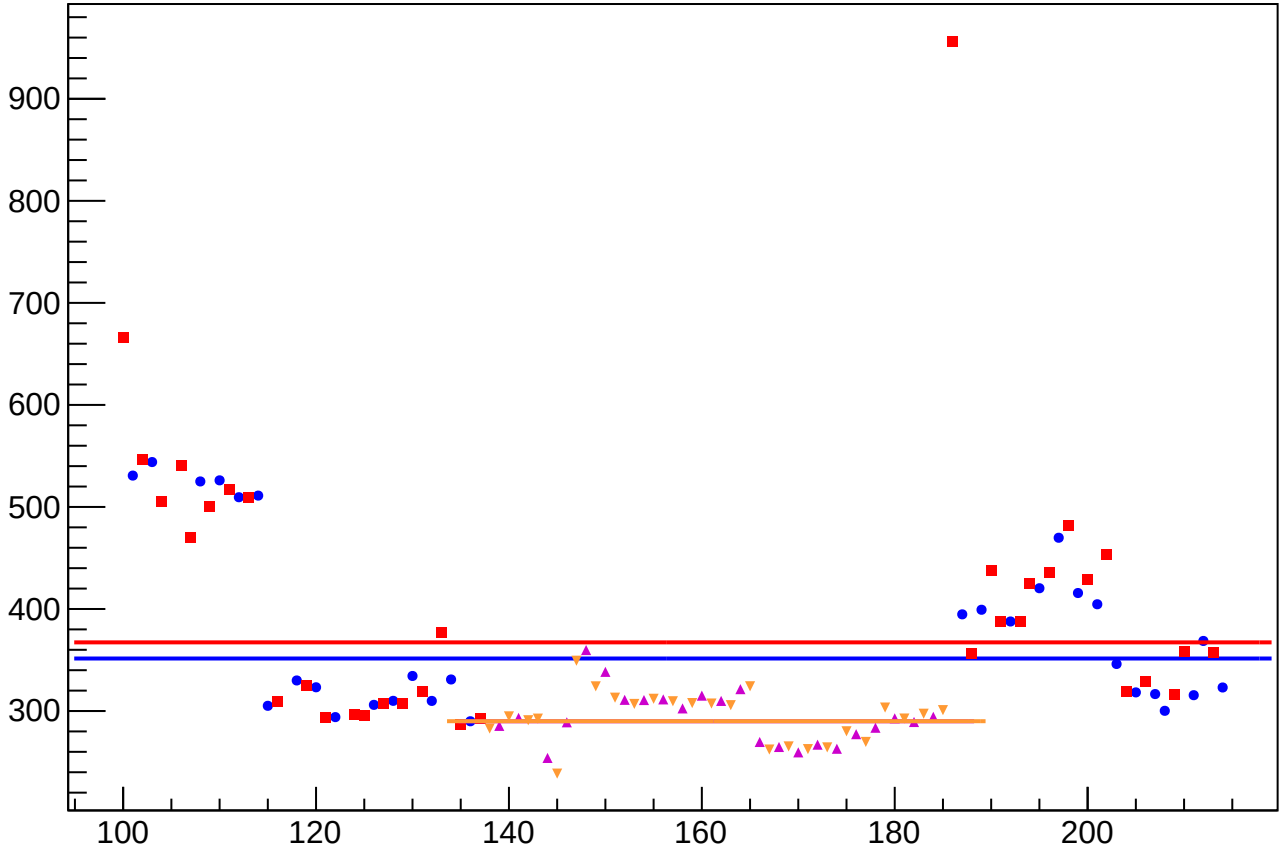
\+ sign 2339.935+/-0.293 χ^2/NDF: 11020359.3/54

All: 2366.418+/-0.211 χ^2/NDF: 23354075.5/1

\- sign 2395.038+/-0.304 χ^2/NDF: 12316678.3/56


dit_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 86.326+/-83.825 χ²/NDF: 26.8/29
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: 31.450+/-86.506 χ²/NDF: 41.2/33
Left In: 149.516+/-68.160 χ²/NDF:21.7/22
+ sign -114.451+/-51.937 χ²/NDF: 70.2/54
All: -8.398+/-37.278 χ²/NDF: 142.9/111
- sign 104.294+/-53.538 χ²/NDF: 64.1/56

dit_asym_sam2_rms vs Slug



Right In: 351.464+/-0.059 χ^2/NDF: 1157574.3/29

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 367.280+/-0.061 χ^2/NDF: 1600129.5/33

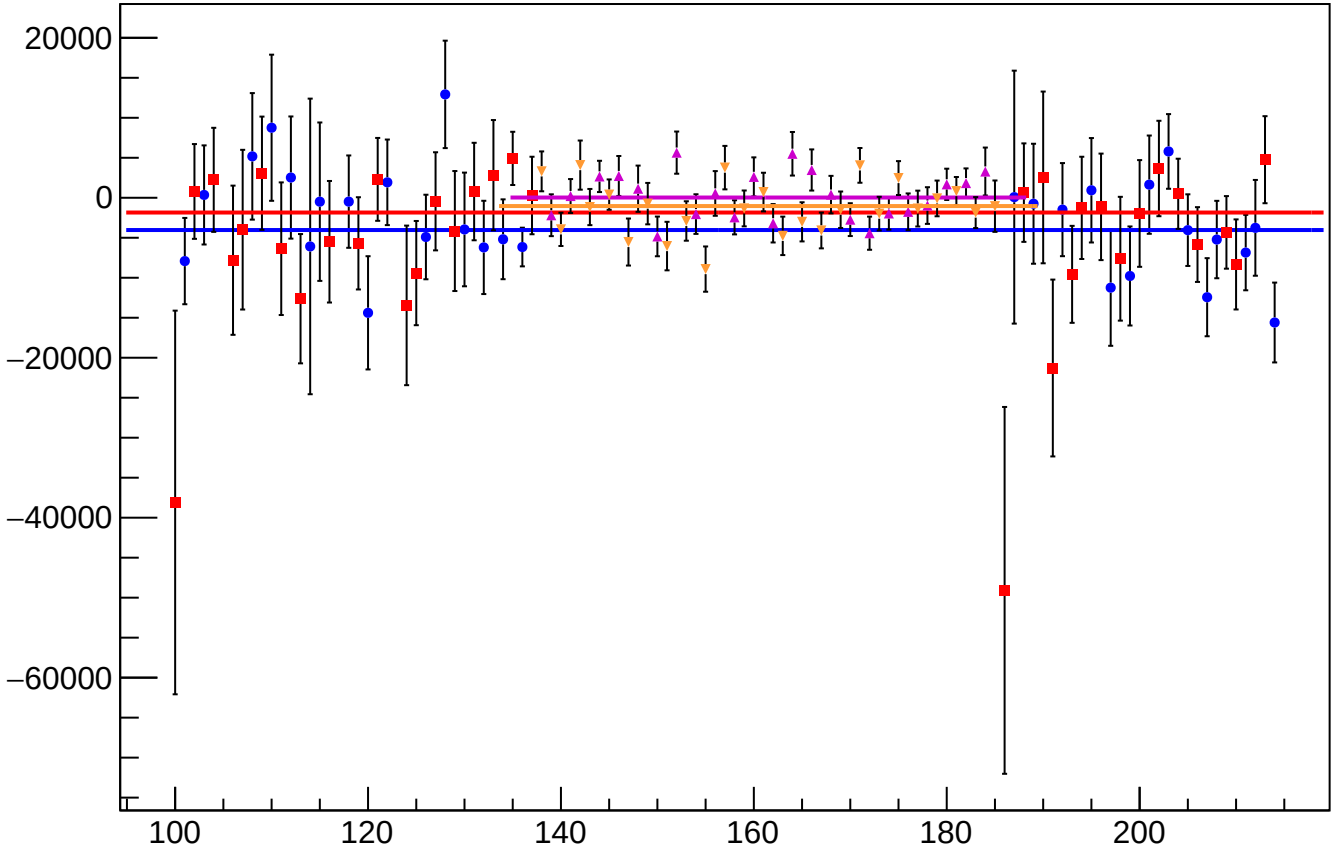
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 313.609+/-0.037 χ^2/NDF: 2100242.0/54

All: 316.496+/-0.026 χ^2/NDF: 4969069.7/11

- sign 319.564+/-0.038 χ^2/NDF: 2856081.6/56

asym_sam2_dit_correction_mean vs Slug



Right In: -4034.471+/-1019.778 χ^2/NDF: 33.2/29

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1845.601+/-1074.006 χ^2/NDF: 29.9/33

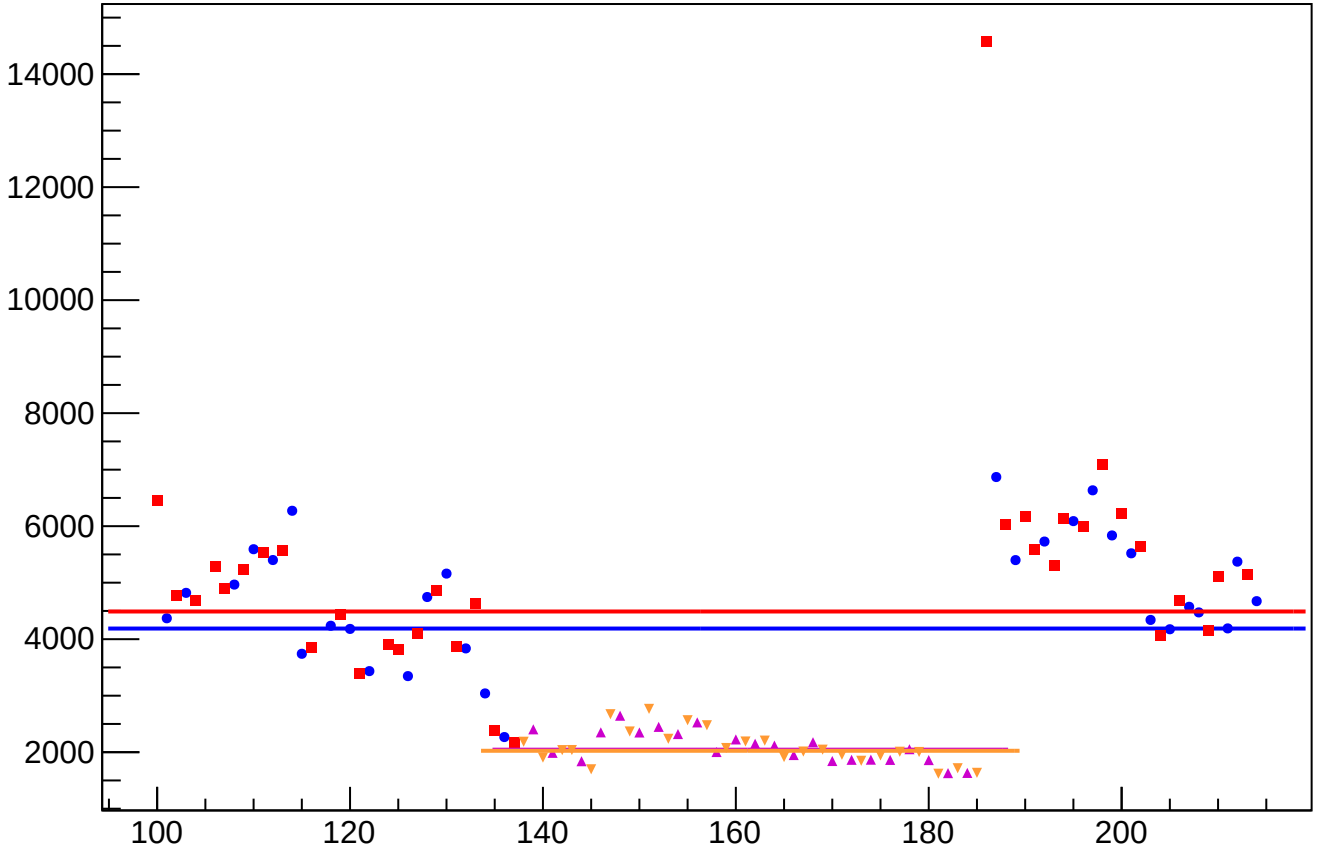
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1553.212+/-423.335 χ^2/NDF: 80.7/54

All: -943.234+/-305.051 χ^2/NDF: 151.6/111

- sign -284.411+/-439.958 χ^2/NDF: 66.5/56

asym_sam2_dit_correction_rms vs Slug



Right In: 4188.246+/-0.721 χ^2/NDF: 2686414.1/29

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4490.053+/-0.759 χ^2/NDF: 2926090.8/33

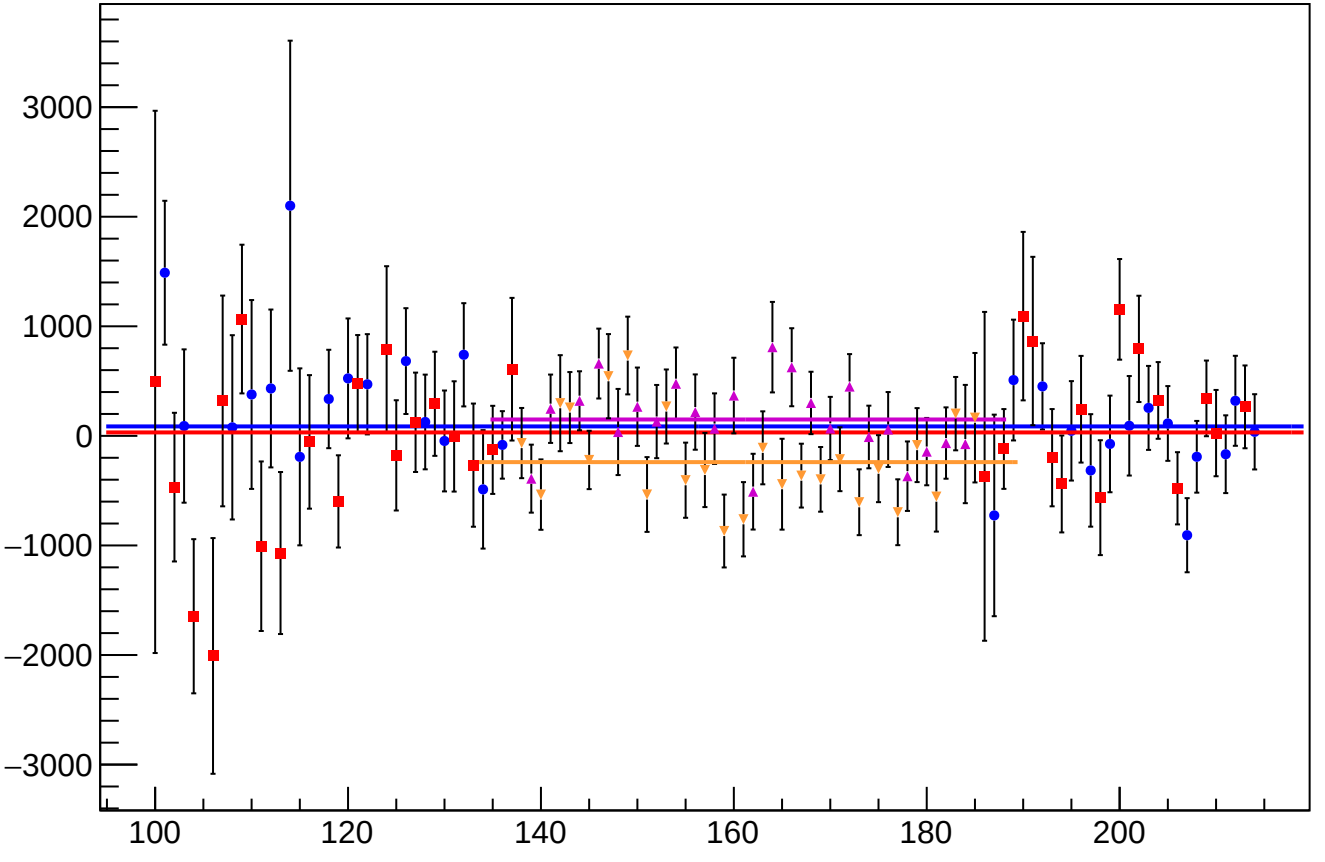
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2397.859+/-0.299 χ^2/NDF: 10835492.4/54

All: 2425.281+/-0.216 χ^2/NDF: 22993474.9/1

- sign 2454.899+/-0.311 χ^2/NDF: 12140526.9/56

eigen_dit_asym_sam2_mean vs Slug



Right In: 86.333+/-83.825 χ^2/NDF: 26.8/29

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 31.449+/-86.506 χ^2/NDF: 41.2/33

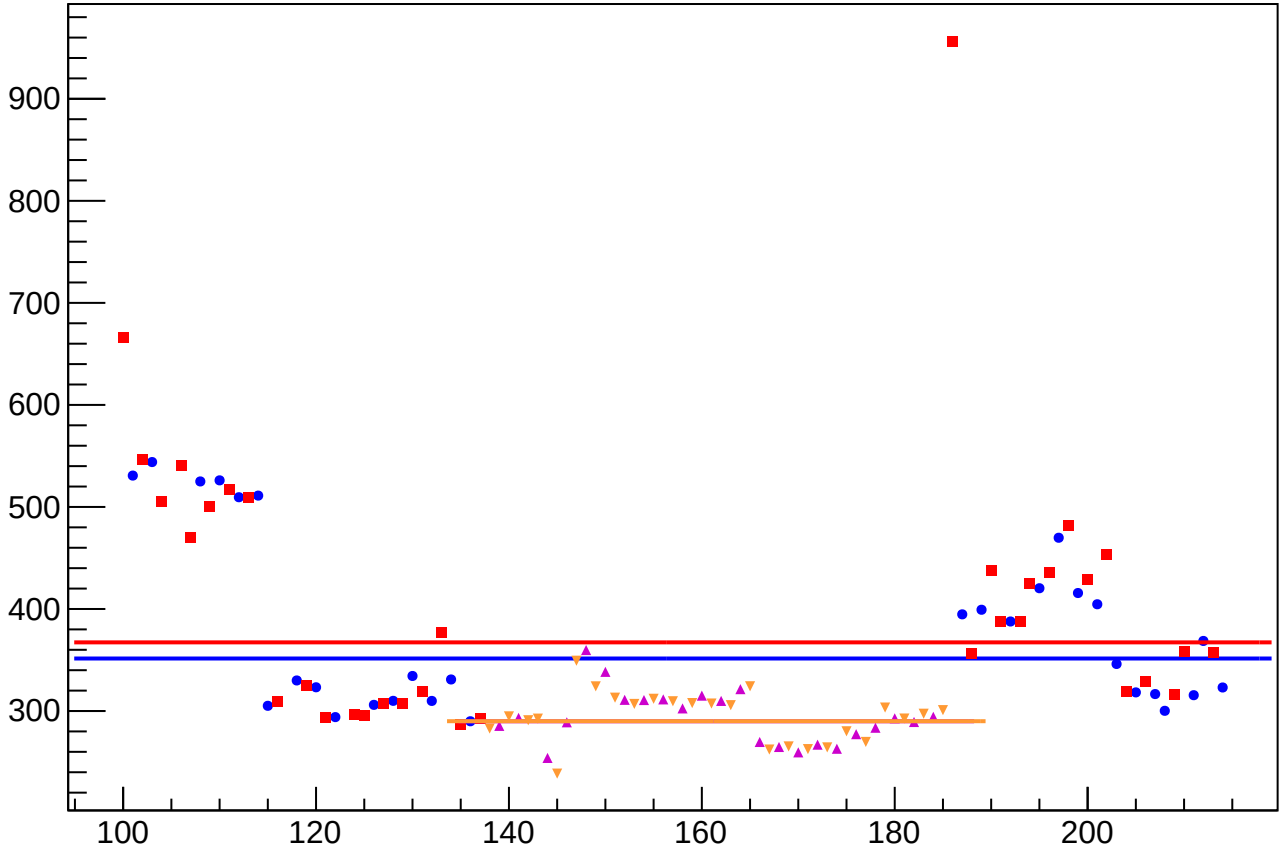
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -114.450+/-51.937 χ^2/NDF: 70.2/54

All: -8.398+/-37.278 χ^2/NDF: 142.9/111

- sign 104.294+/-53.538 χ^2/NDF: 64.1/56

eigen_dit_asym_sam2_rms vs Slug



Right In: 351.464+/-0.059 χ^2/NDF: 1157572.2/29

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 367.280+/-0.061 χ^2/NDF: 1600119.0/33

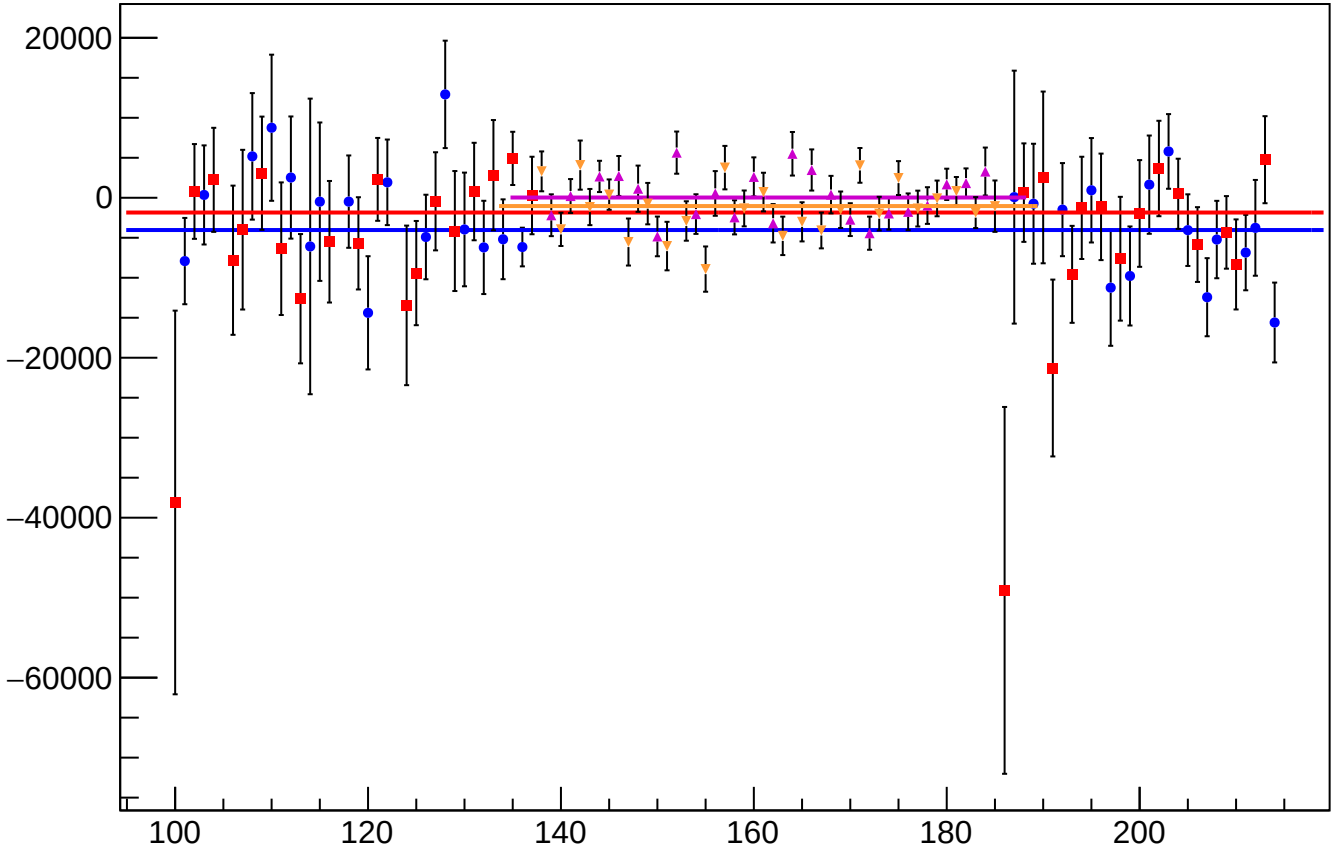
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 313.609+/-0.037 χ^2/NDF: 2100227.1/54

All: 316.496+/-0.026 χ^2/NDF: 4969040.2/11

- sign 319.564+/-0.038 χ^2/NDF: 2856066.6/56

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -4034.466+/-1019.777 χ^2/NDF: 33.2/29

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1845.601+/-1074.006 χ^2/NDF: 29.9/33

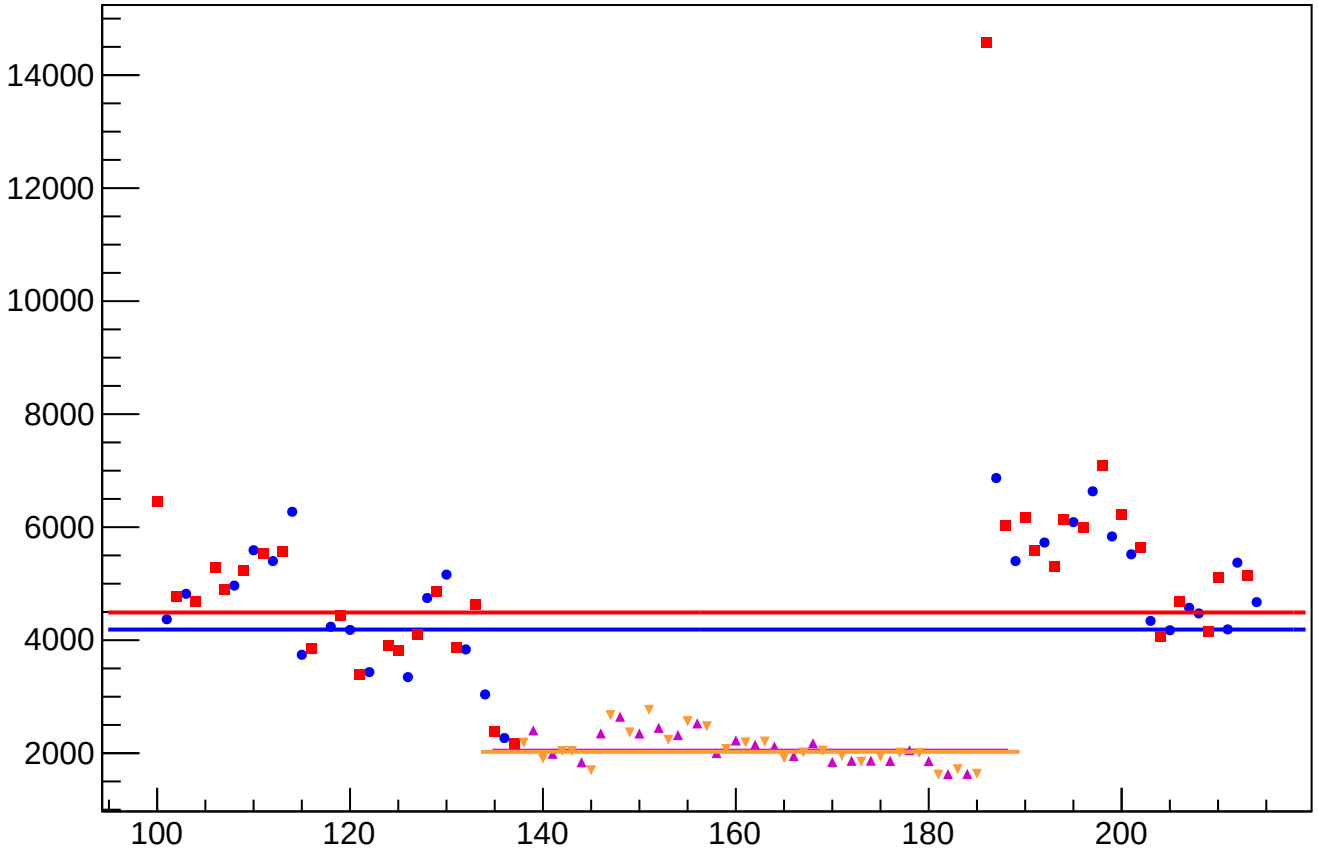
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1553.211+/-423.335 χ^2/NDF: 80.7/54

All: -943.235+/-305.051 χ^2/NDF: 151.6/111

- sign -284.413+/-439.958 χ^2/NDF: 66.5/56

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4188.244+/-0.721 χ^2/NDF: 2686406.1/29

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4490.050+/-0.759 χ^2/NDF: 2926086.5/33

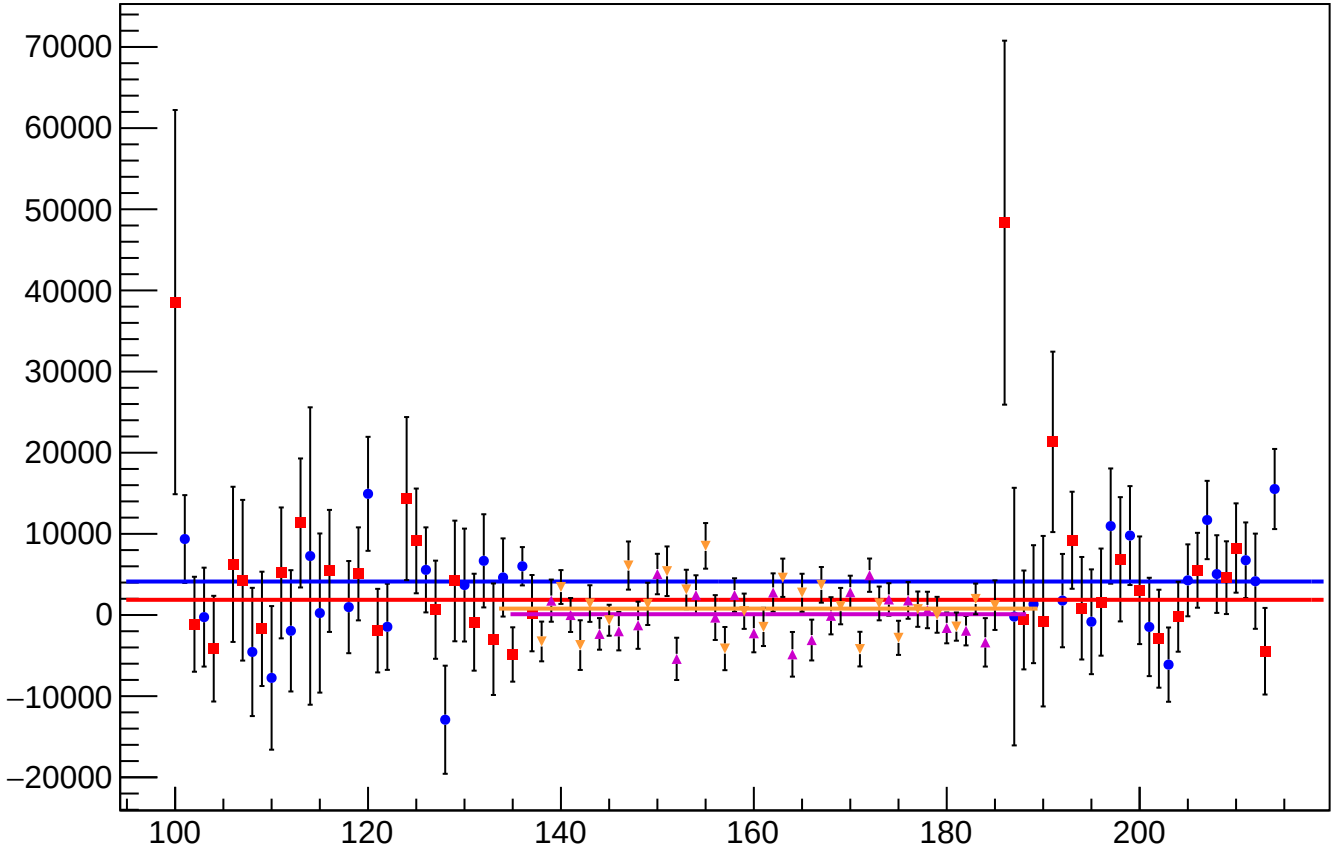
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2397.860+/-0.299 χ^2/NDF: 10835477.3/54

All: 2425.282+/-0.216 χ^2/NDF: 22993452.3/1

- sign 2454.899+/-0.311 χ^2/NDF: 12140519.6/56

asym_sam2_mean vs Slug



Right In: 4126.031+/-1003.577 χ^2/NDF: 33.3/29

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1872.347+/-1063.662 χ^2/NDF: 28.7/33

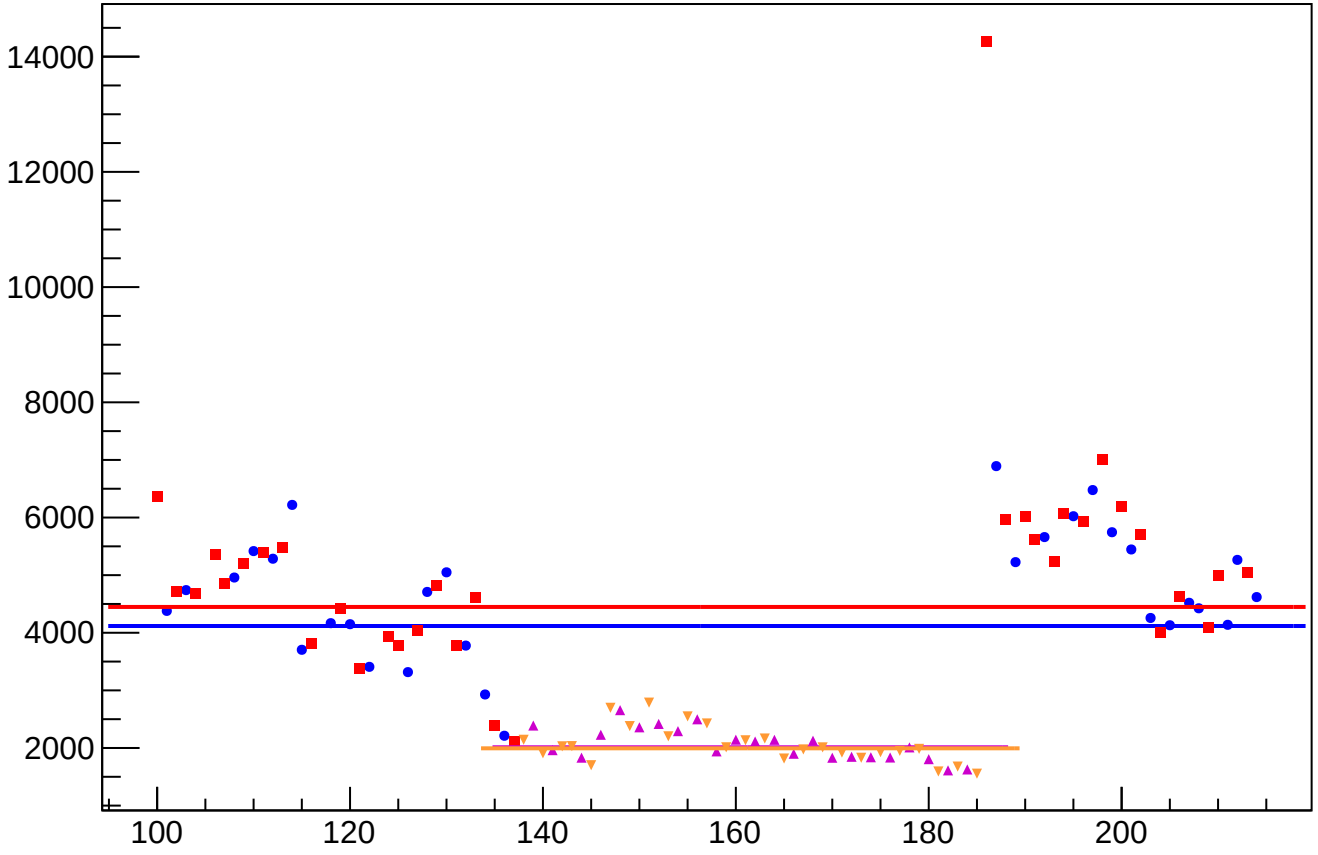
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1365.157+/-417.208 χ^2/NDF: 83.8/54

All: 897.196+/-300.633 χ^2/NDF: 150.3/111

- sign 391.776+/-433.584 χ^2/NDF: 63.9/56

asym_sam2_rms vs Slug



Right In: 4117.413+/-0.710 χ^2/NDF: 2741947.7/29

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4448.184+/-0.752 χ^2/NDF: 2908790.2/33

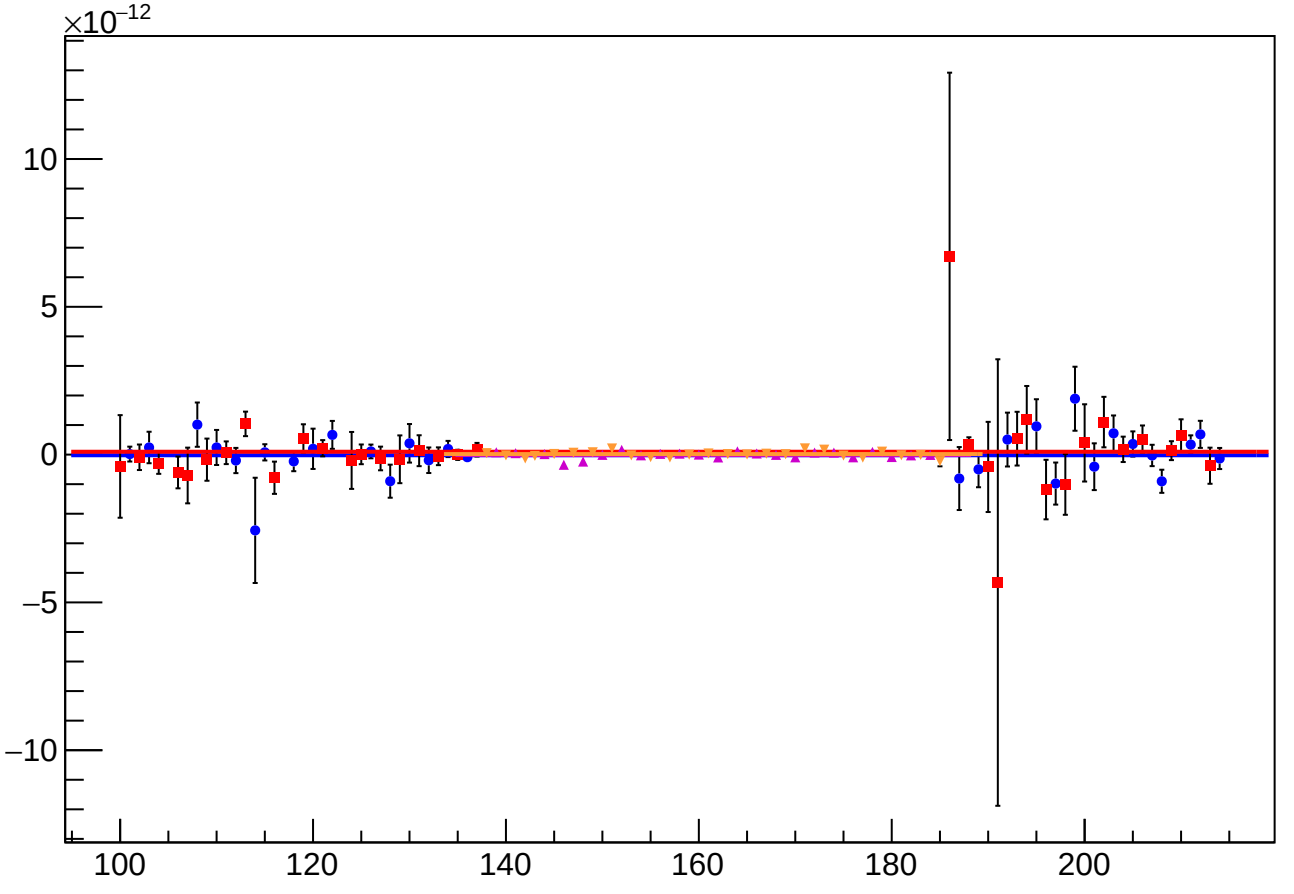
Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2361.179+/-0.295 χ^2/NDF: 10892939.2/54

All: 2388.201+/-0.213 χ^2/NDF: 23149760.0/1

- sign 2417.386+/-0.307 χ^2/NDF: 12239369.4/56

asym_sam2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

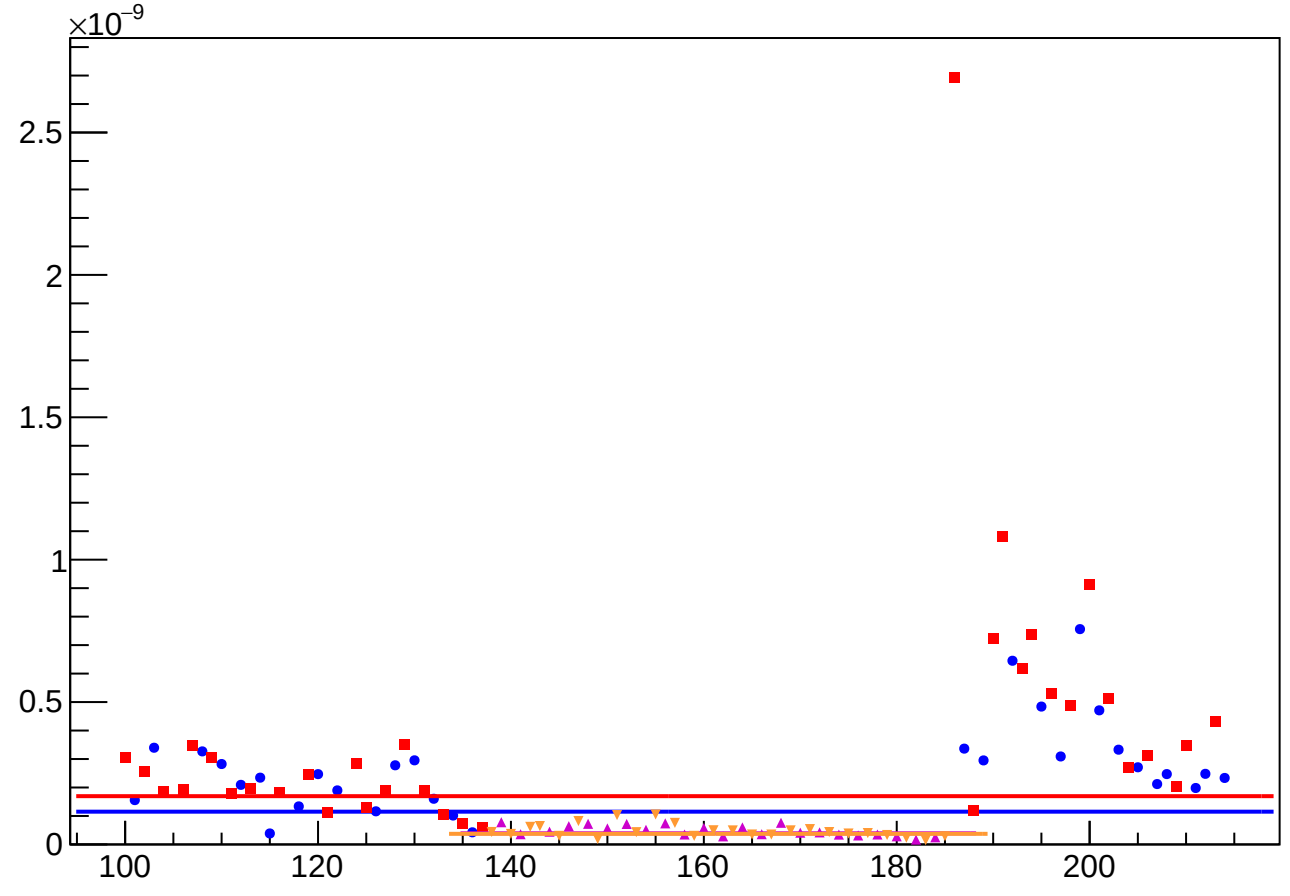
Right Out: 0.000+/-0.000 χ^2/NDF: 24.8/33

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/54

All: 0.000+/-0.000 χ^2/NDF: 111.7/111

- sign -0.000+/-0.000 χ^2/NDF: 57.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 7210420.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5754569.9/33

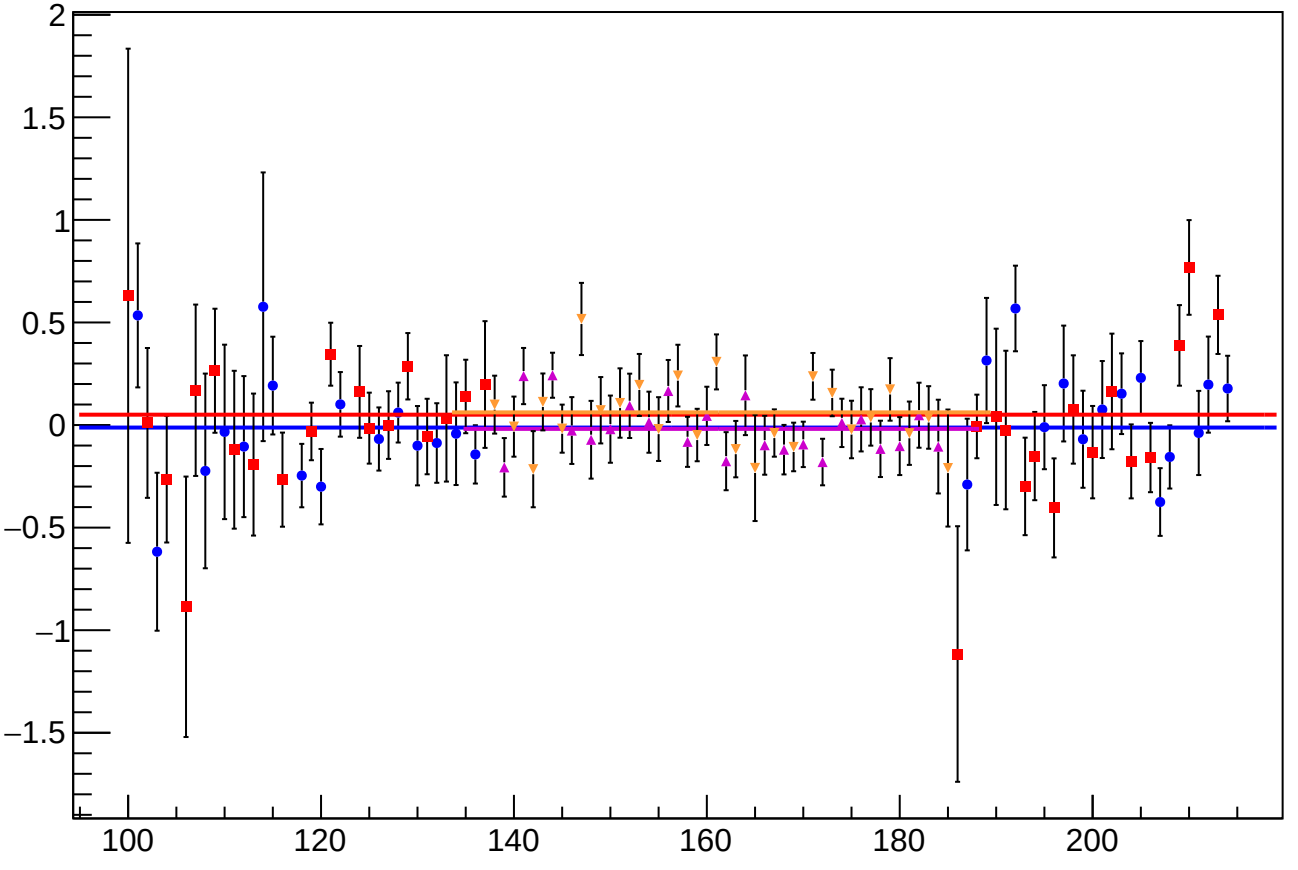
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13223507.9/54

All: 0.000+/-0.000 χ^2/NDF: 27075270.8/111

- sign 0.000+/-0.000 χ^2/NDF: 13823475.7/56

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.038 χ^2/NDF: 34.5/29

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.051+/-0.039 χ^2/NDF: 47.5/33

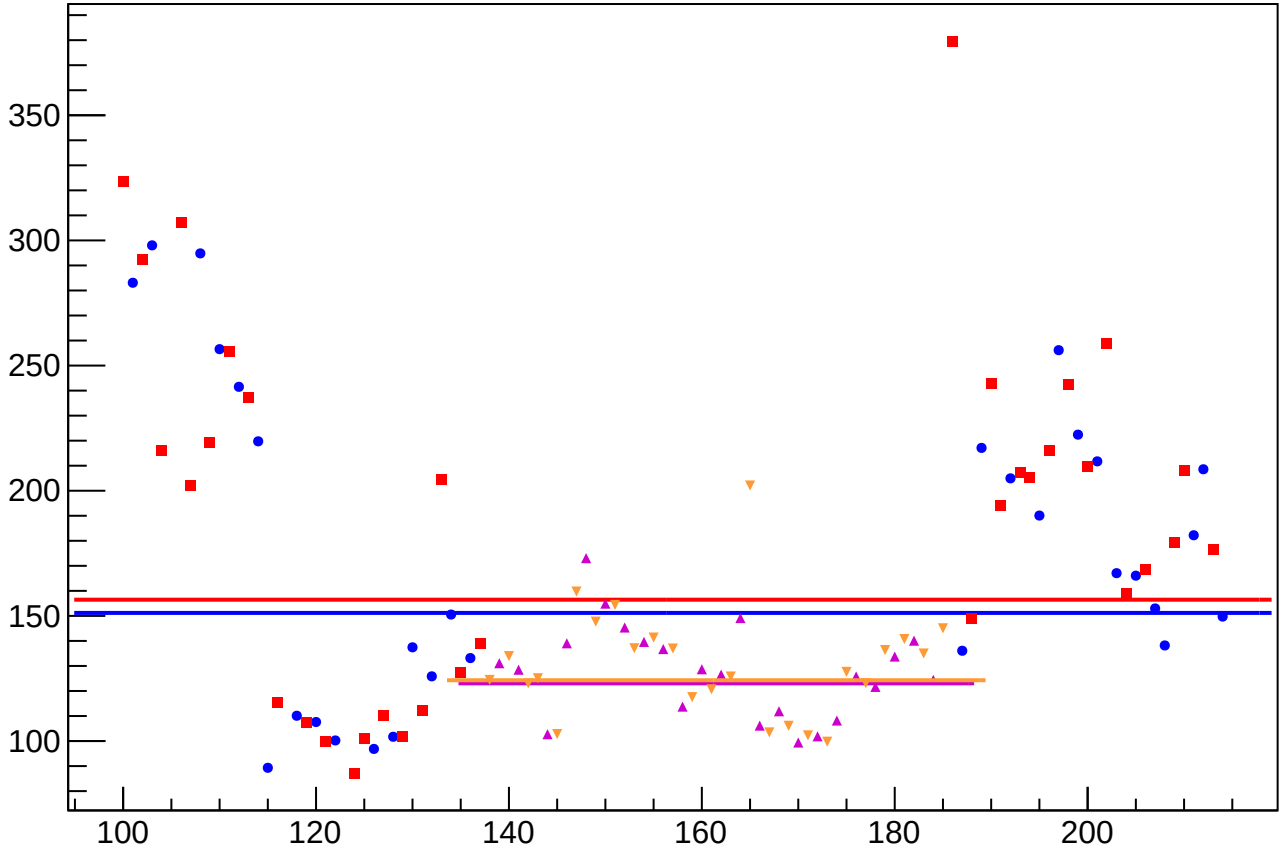
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.035+/-0.023 χ^2/NDF: 64.3/54

All: 0.021+/-0.016 χ^2/NDF: 134.9/111

- sign 0.007+/-0.023 χ^2/NDF: 69.8/56

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 151.193+/-0.027 χ^2/NDF: 3292178.7/29

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

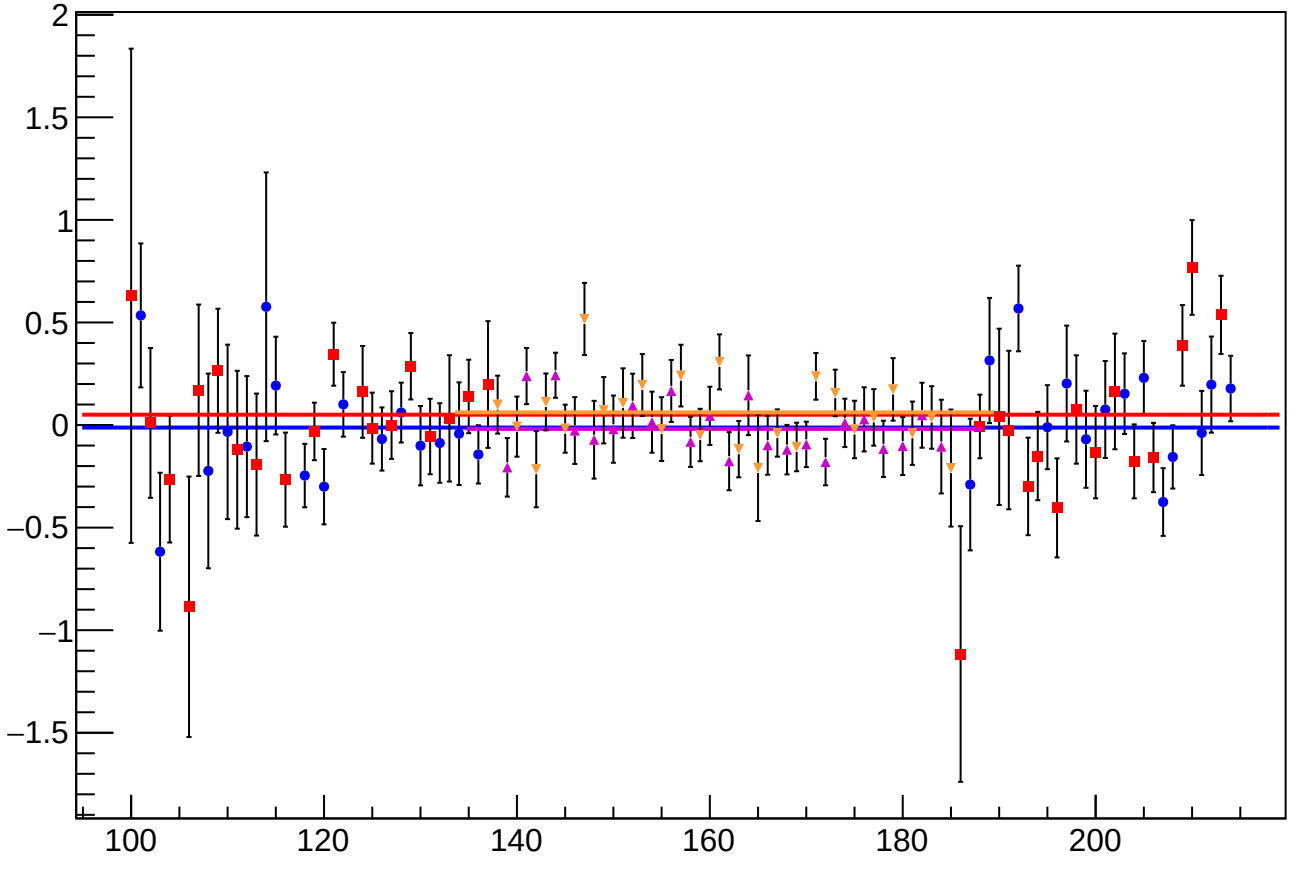
Right Out: 156.470+/-0.027 χ^2/NDF: 3864152.1/33

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.172+/-0.016 χ^2/NDF: 4779352.9/54

All: 134.727+/-0.012 χ^2/NDF: 10315984.6/11

- sign 135.309+/-0.017 χ^2/NDF: 5534205.6/56



Right In: -0.012+/-0.038 χ^2/NDF: 34.5/29

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.051+/-0.039 χ^2/NDF: 47.5/33

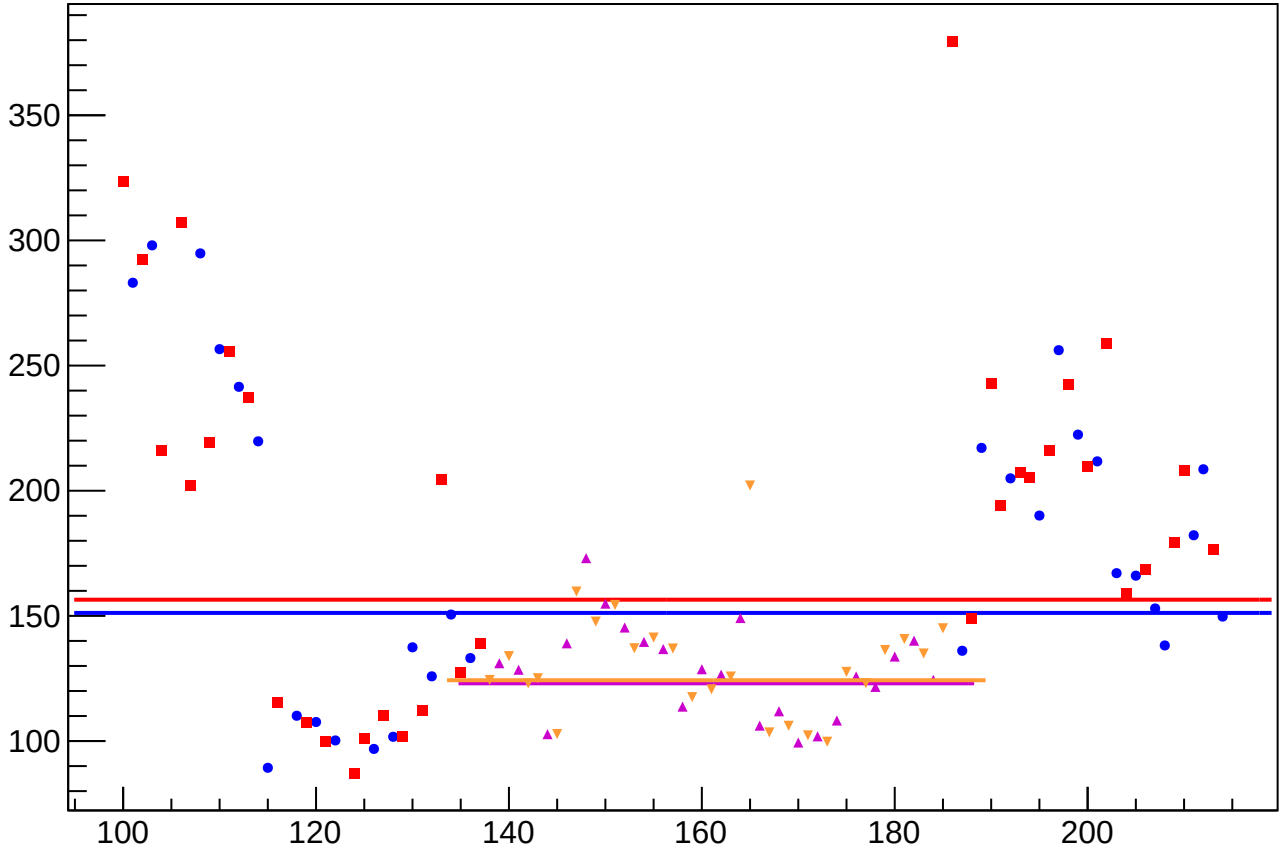
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.035+/-0.023 χ^2/NDF: 64.3/54

All: 0.021+/-0.016 χ^2/NDF: 134.9/111

- sign 0.007+/-0.023 χ^2/NDF: 69.8/56

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 151.193+/-0.027 χ^2/NDF: 3292178.7/29

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

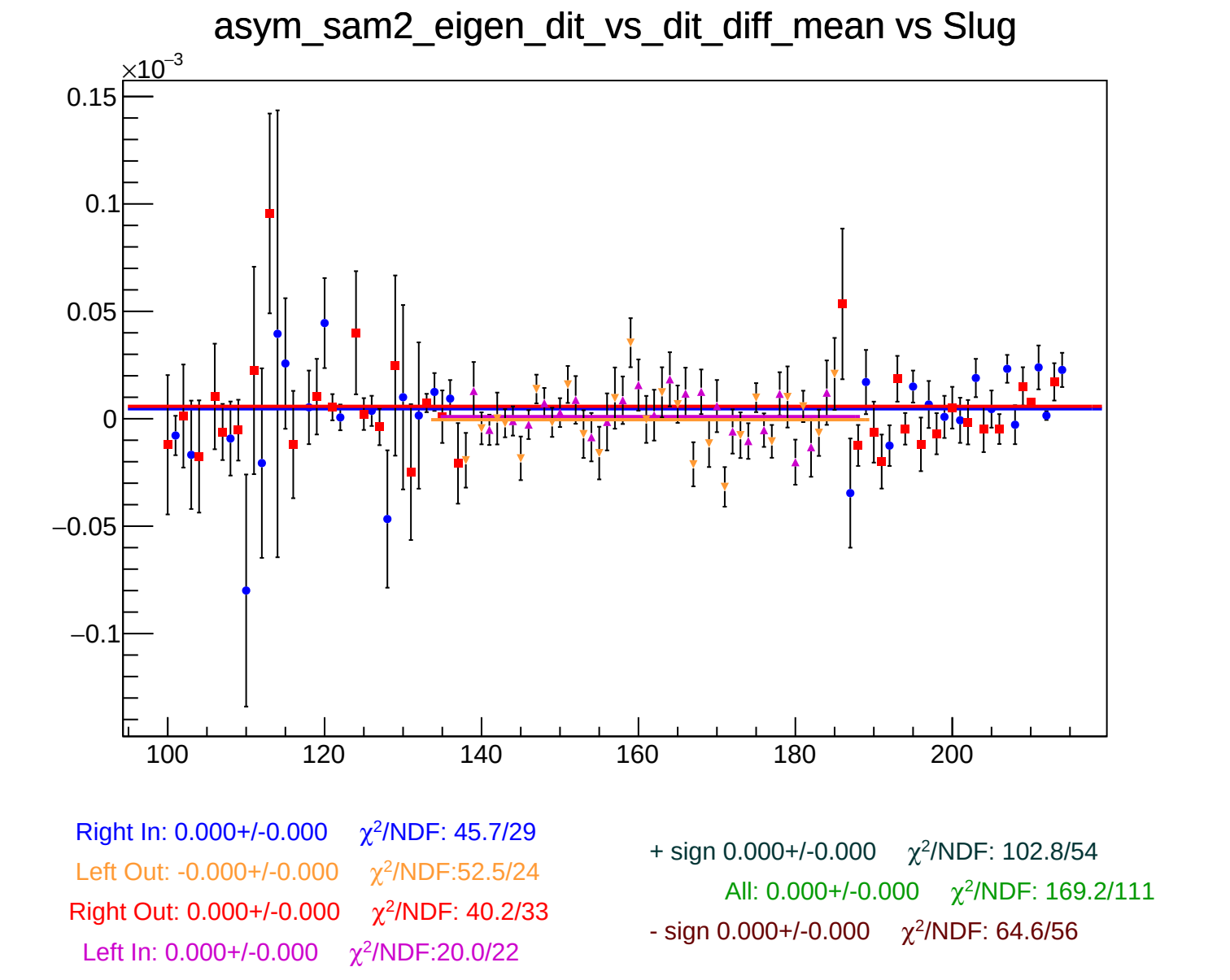
Right Out: 156.470+/-0.027 χ^2/NDF: 3864152.1/33

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

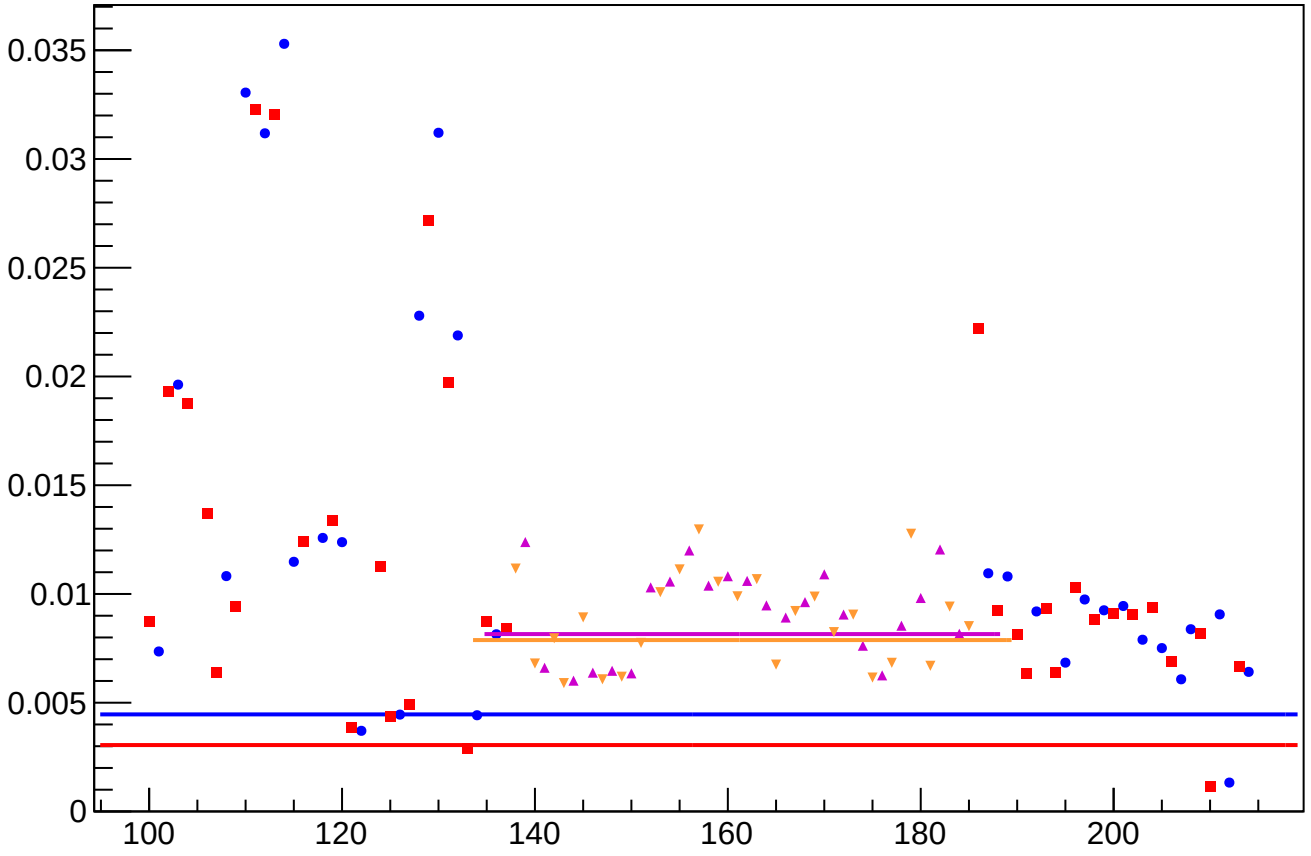
+ sign 134.172+/-0.016 χ^2/NDF: 4779352.9/54

All: 134.727+/-0.012 χ^2/NDF: 10315984.6/11

- sign 135.309+/-0.017 χ^2/NDF: 5534205.6/56


asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 45.7/29
Left Out: -0.000+/-0.000 χ²/NDF:52.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.2/33
Left In: 0.000+/-0.000 χ²/NDF:20.0/22
+ sign 0.000+/-0.000 χ²/NDF: 102.8/54
All: 0.000+/-0.000 χ²/NDF: 169.2/111
- sign 0.000+/-0.000 χ²/NDF: 64.6/56

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 14726838.8/29

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19471447.4/33

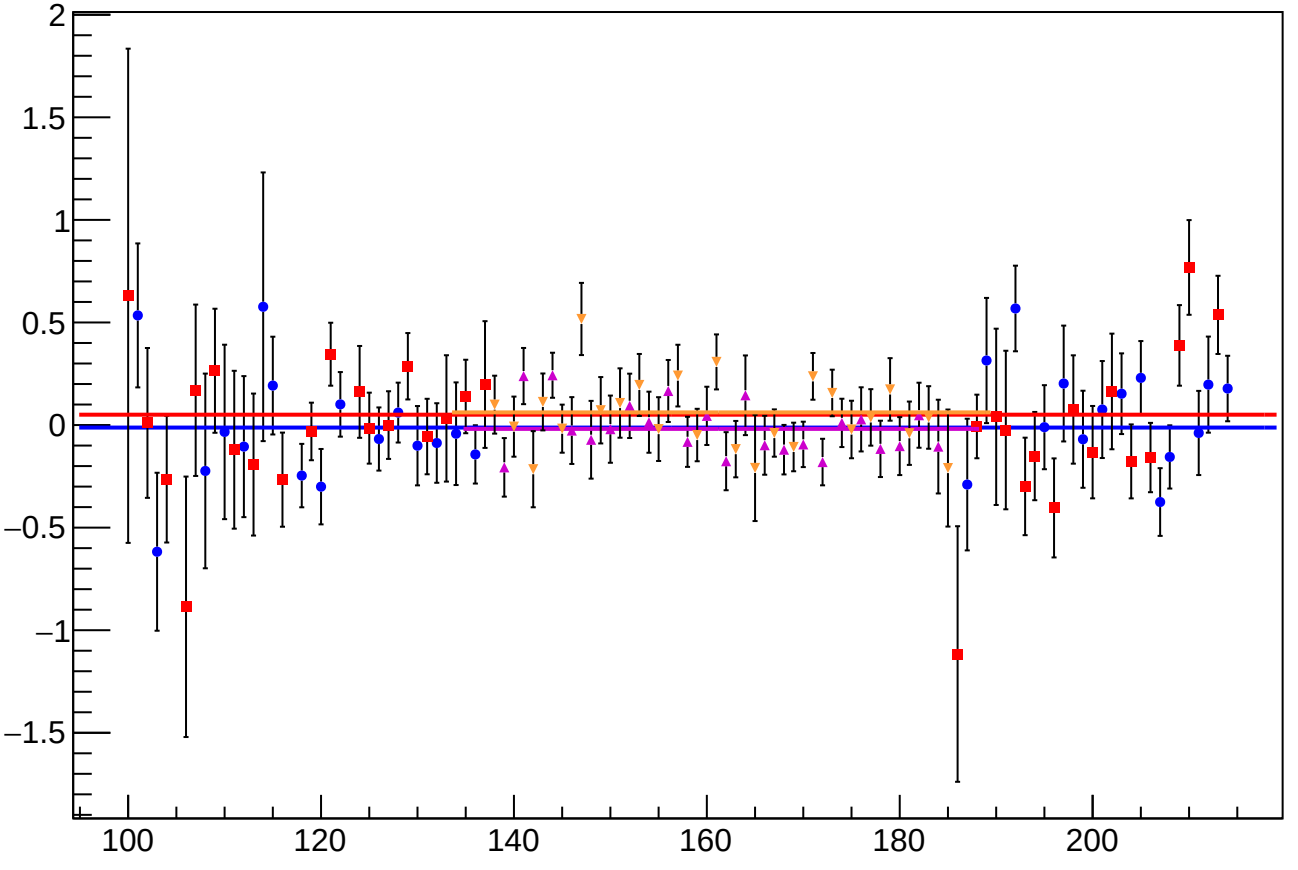
Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 21075001.6/54

All: 0.005+/-0.000 χ^2/NDF: 54909447.2/111

- sign 0.004+/-0.000 χ^2/NDF: 31706890.8/56

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.038 χ^2/NDF: 34.5/29

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.051+/-0.039 χ^2/NDF: 47.5/33

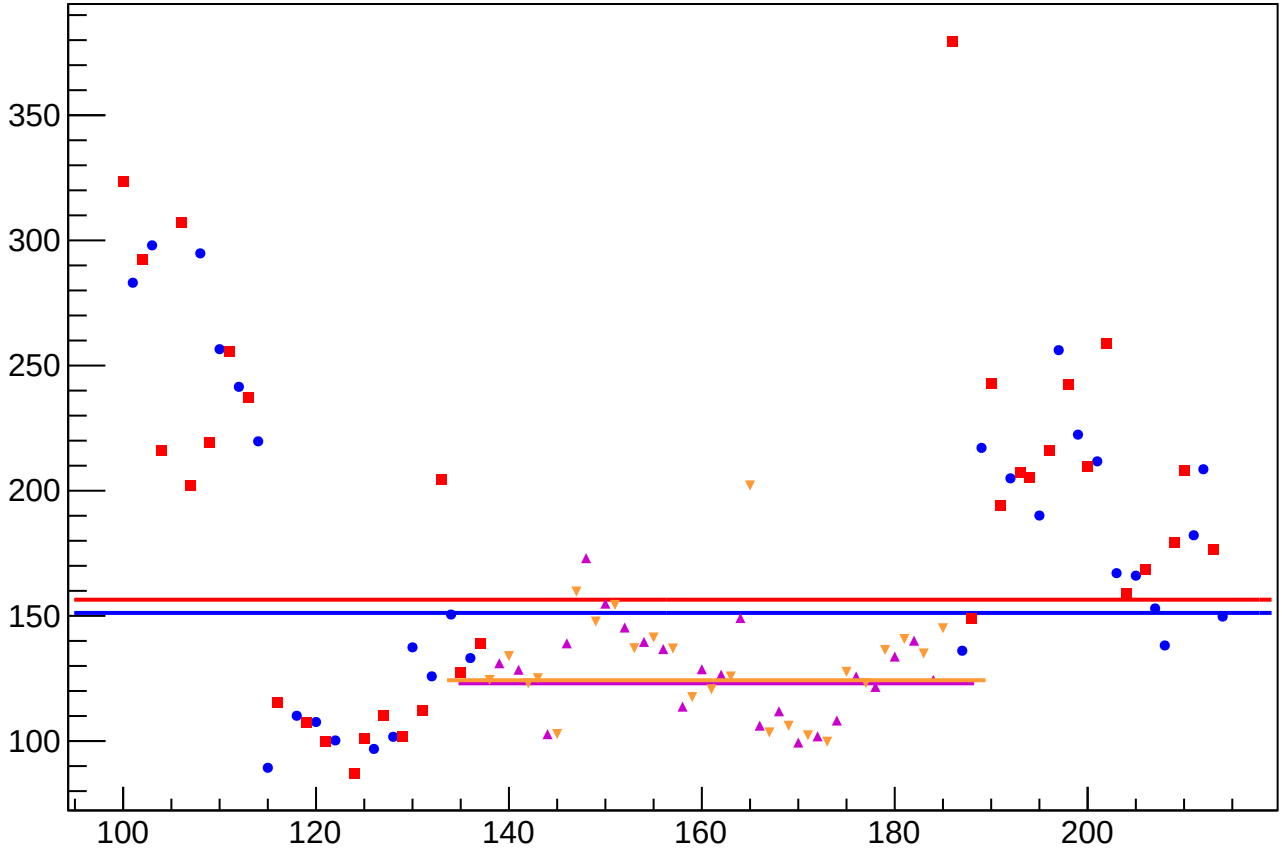
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.035+/-0.023 χ^2/NDF: 64.3/54

All: 0.021+/-0.016 χ^2/NDF: 134.9/111

- sign 0.007+/-0.023 χ^2/NDF: 69.8/56

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 151.190+/-0.027 χ^2/NDF: 3292257.4/29

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

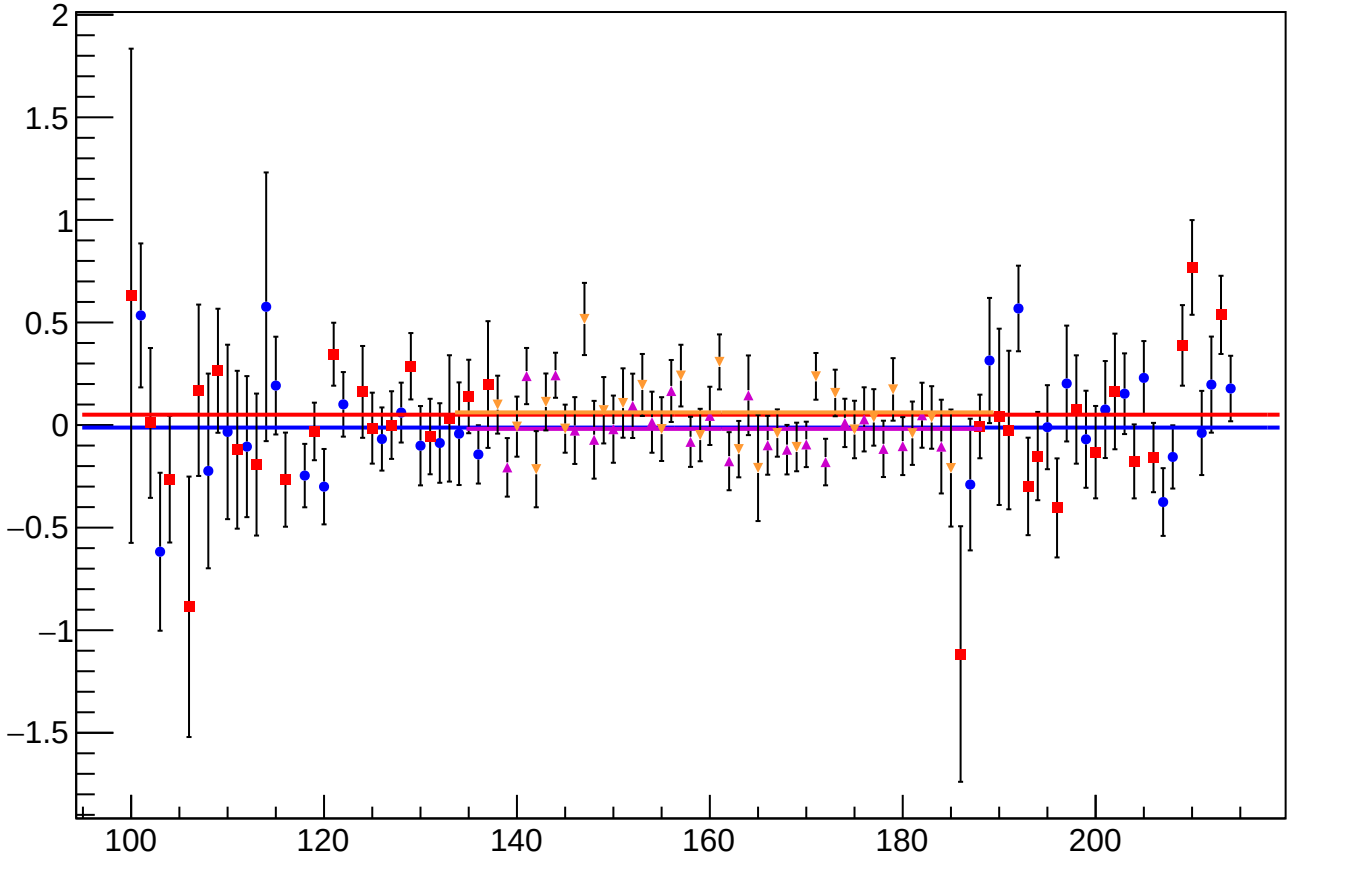
Right Out: 156.468+/-0.027 χ^2/NDF: 3864294.2/33

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.171+/-0.016 χ^2/NDF: 4779389.0/54

All: 134.727+/-0.012 χ^2/NDF: 10316080.7/11

- sign 135.308+/-0.017 χ^2/NDF: 5534265.9/56



Right In: -0.012+/-0.038 χ^2/NDF: 34.5/29

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

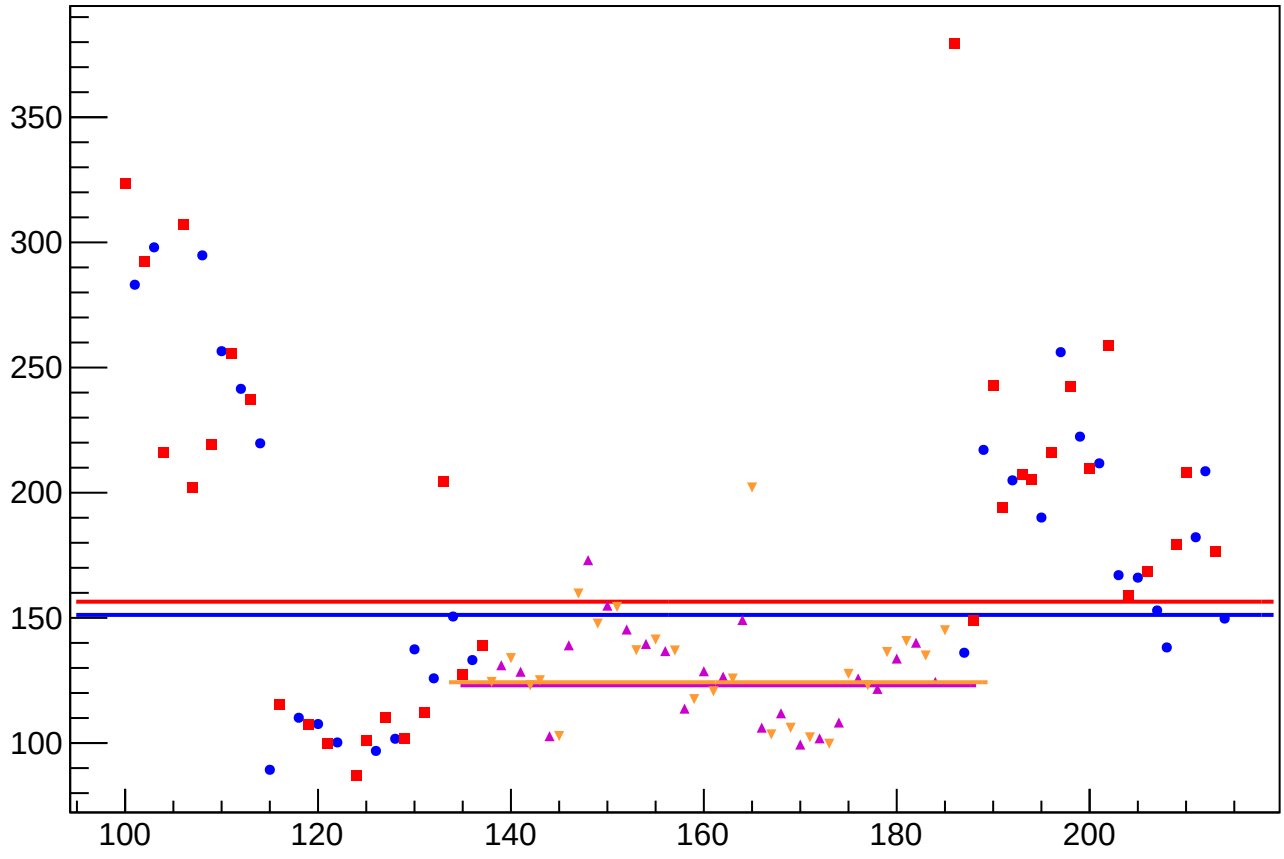
Right Out: 0.051+/-0.039 χ^2/NDF: 47.5/33

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

\+ sign 0.035+/-0.023 χ^2/NDF: 64.3/54

All: 0.021+/-0.016 χ^2/NDF: 134.9/111

\- sign 0.007+/-0.023 χ^2/NDF: 69.8/56



Right In: 151.190+/-0.027 χ^2/NDF: 3292257.4/29

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 156.468+/-0.027 χ^2/NDF: 3864294.2/33

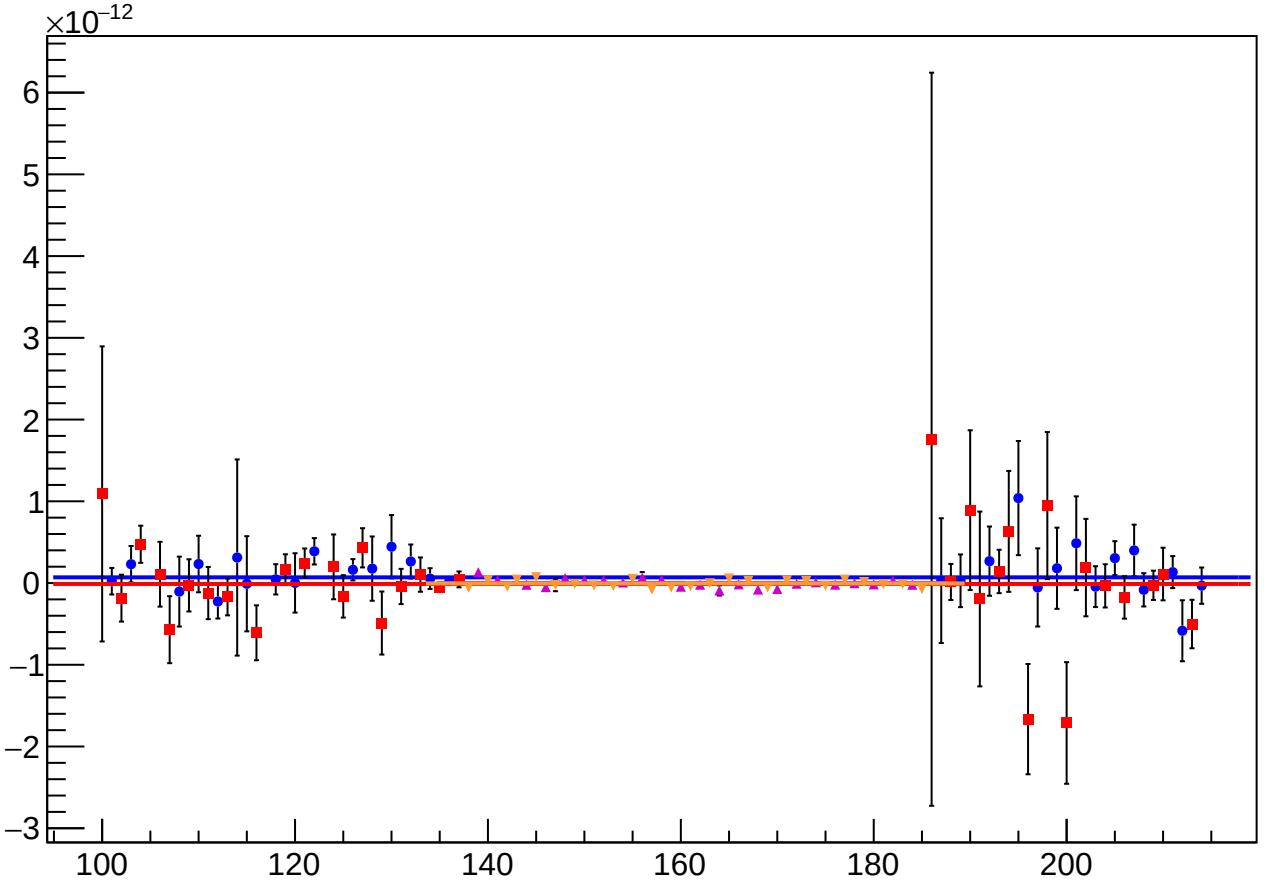
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.171+/-0.016 χ^2/NDF: 4779389.0/54

All: 134.727+/-0.012 χ^2/NDF: 10316080.7/11

- sign 135.308+/-0.017 χ^2/NDF: 5534265.9/56

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

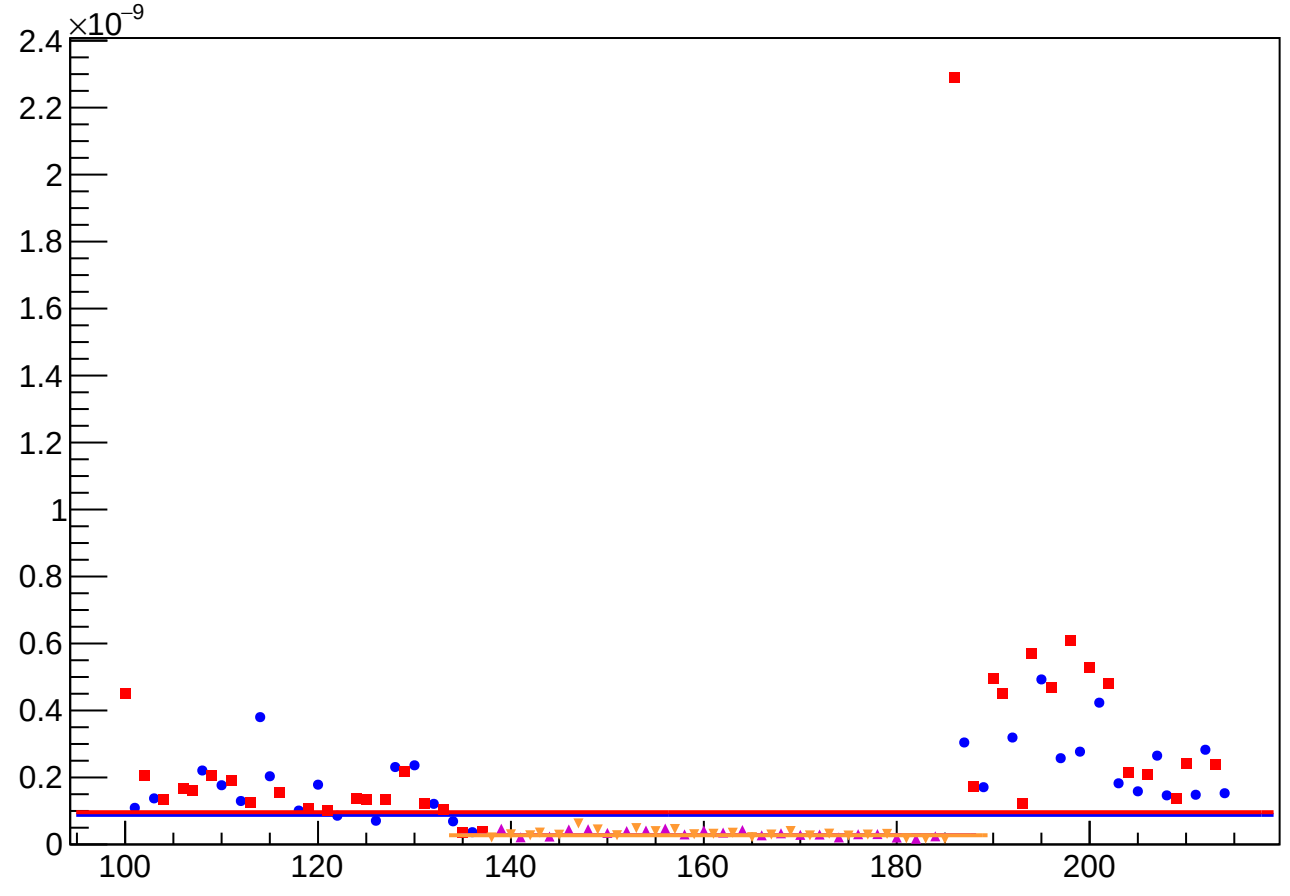
Right Out: -0.000+/-0.000 χ^2/NDF: 38.7/33

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.0/54

All: -0.000+/-0.000 χ^2/NDF: 112.5/111

- sign -0.000+/-0.000 χ^2/NDF: 63.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 8862504.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10931756.0/33

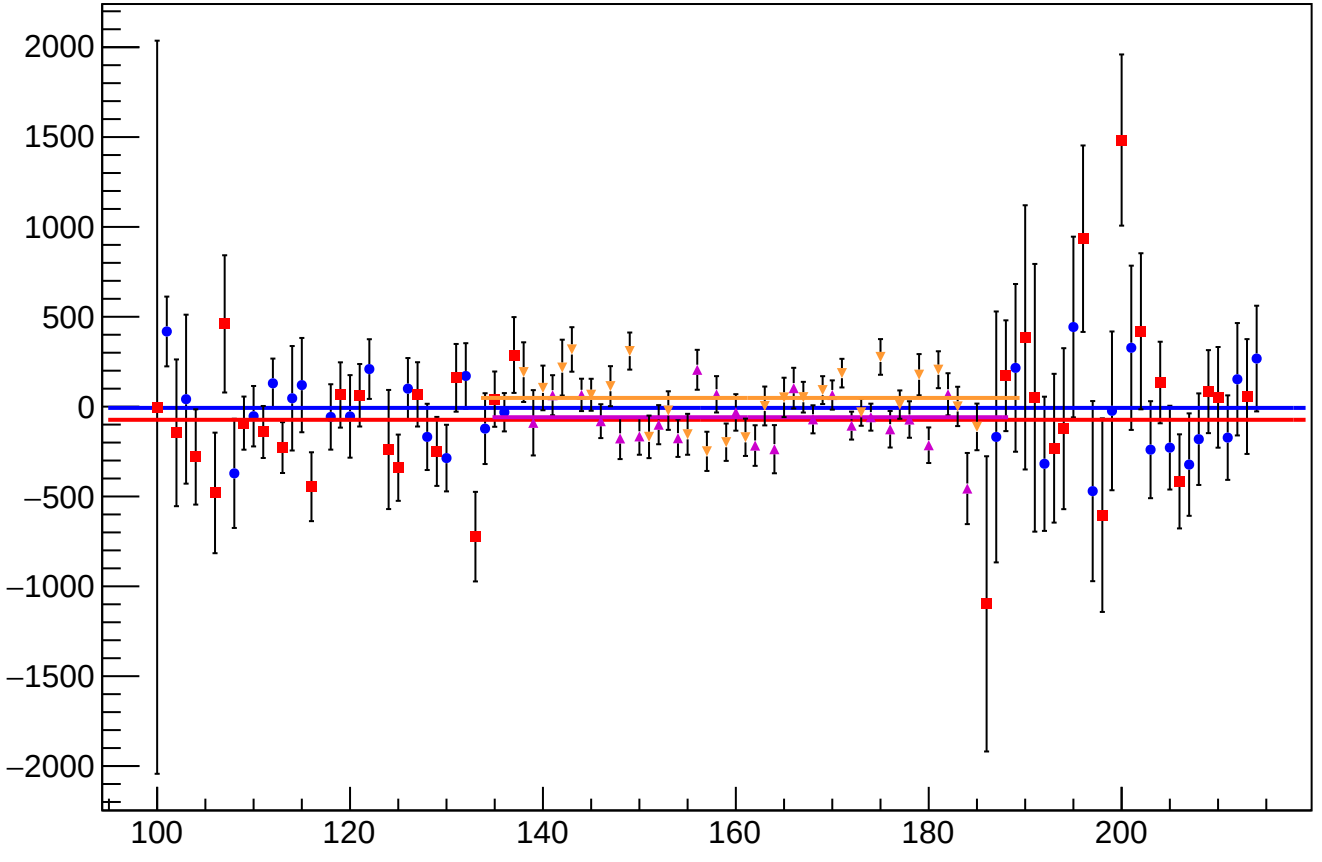
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17732998.0/54

All: 0.000+/-0.000 χ^2/NDF: 37659019.7/111

- sign 0.000+/-0.000 χ^2/NDF: 19914605.3/56

reg_asym_sam3_mean vs Slug



Right In: -7.076+/-40.485 χ^2/NDF: 22.3/29

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -73.344+/-41.002 χ^2/NDF: 48.9/33

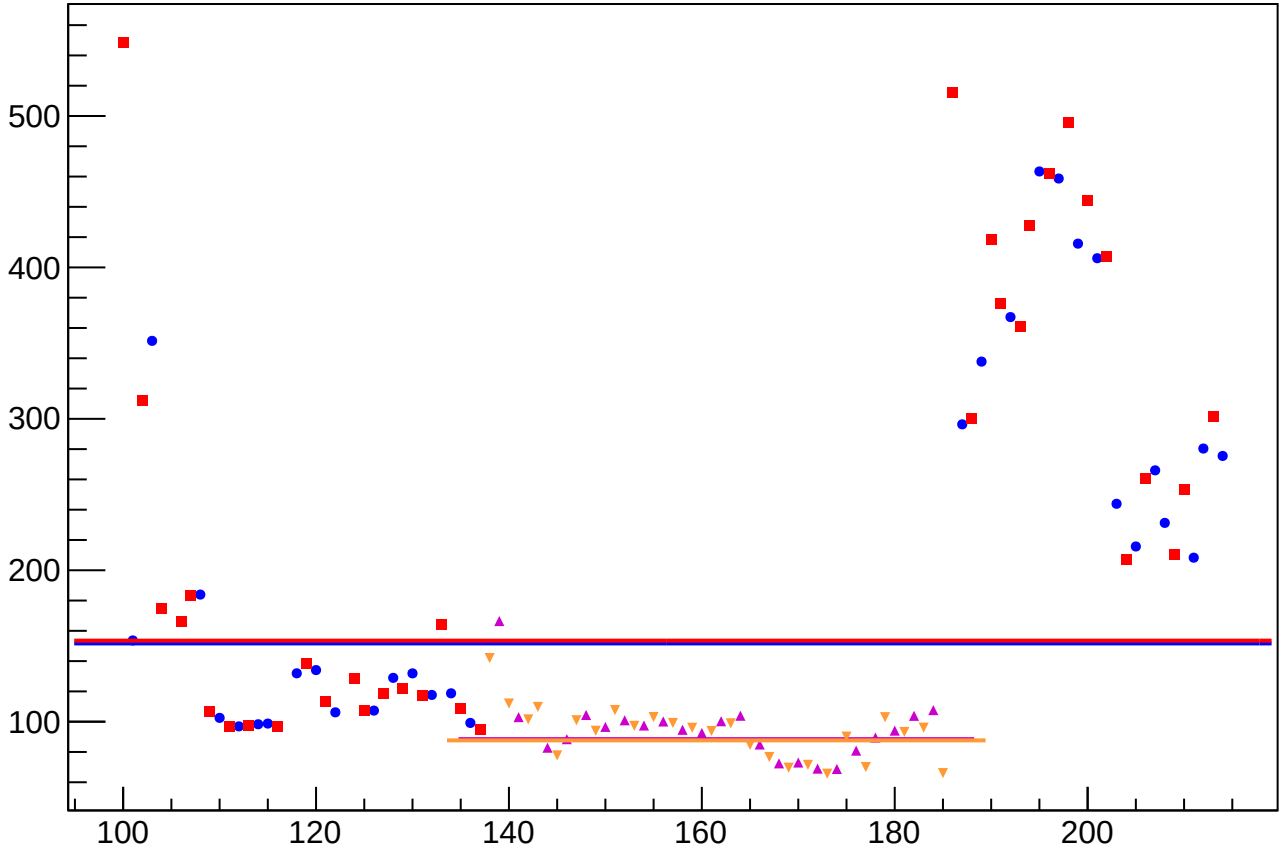
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 37.140+/-18.234 χ^2/NDF: 77.3/54

All: -10.926+/-13.089 χ^2/NDF: 171.3/111

- sign -62.027+/-18.801 χ^2/NDF: 79.6/56

reg_asym_sam3_rms vs Slug



Right In: 151.682+/-0.029 χ^2/NDF: 7640104.9/29

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.519+/-0.029 χ^2/NDF: 8908426.4/33

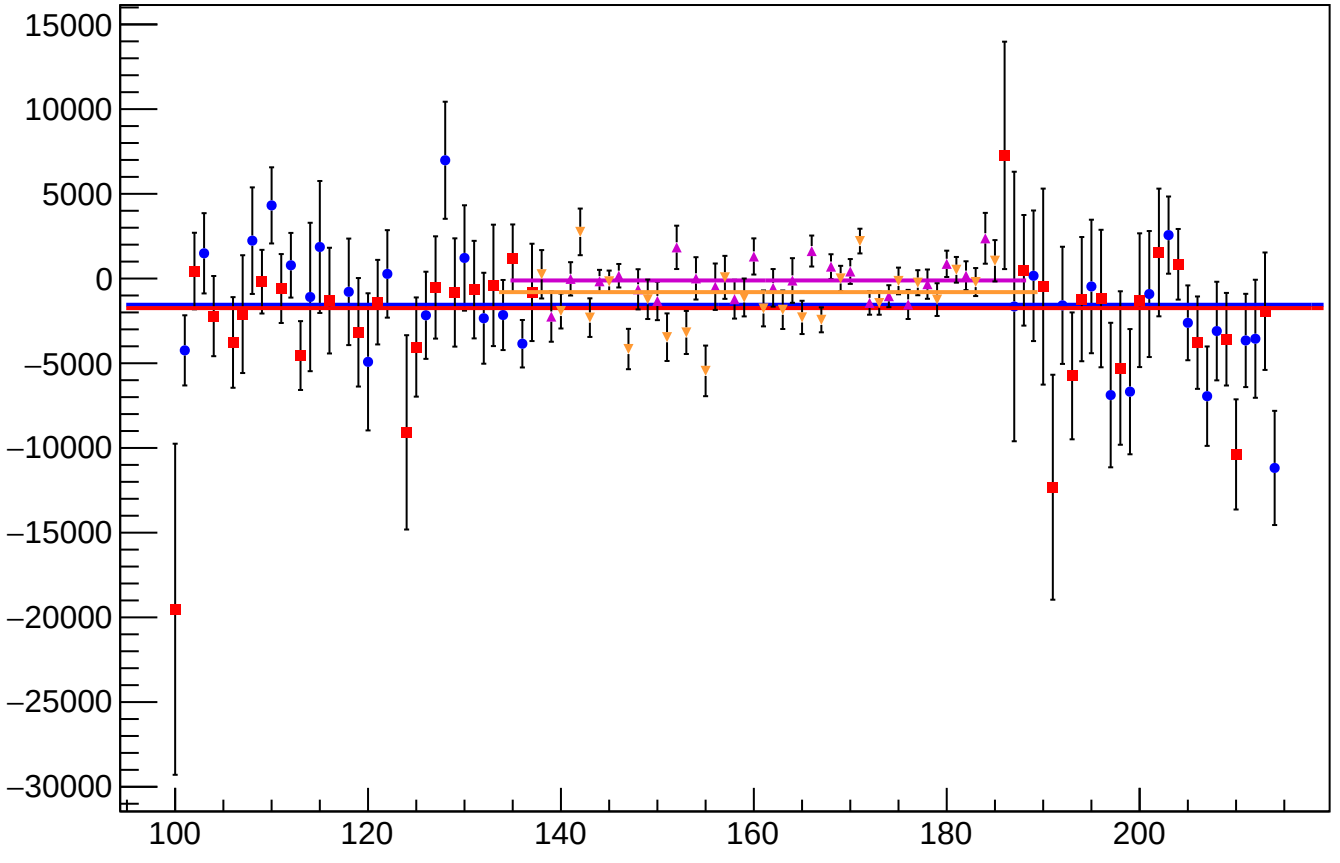
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 100.644+/-0.013 χ^2/NDF: 12840802.7/54

All: 101.377+/-0.009 χ^2/NDF: 26805607.4/11

- sign 102.157+/-0.013 χ^2/NDF: 13958130.0/56

asym_sam3_reg_correction_mean vs Slug



Right In: -1547.122+/-499.919 χ^2/NDF: 45.0/29

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1746.282+/-506.700 χ^2/NDF: 30.1/33

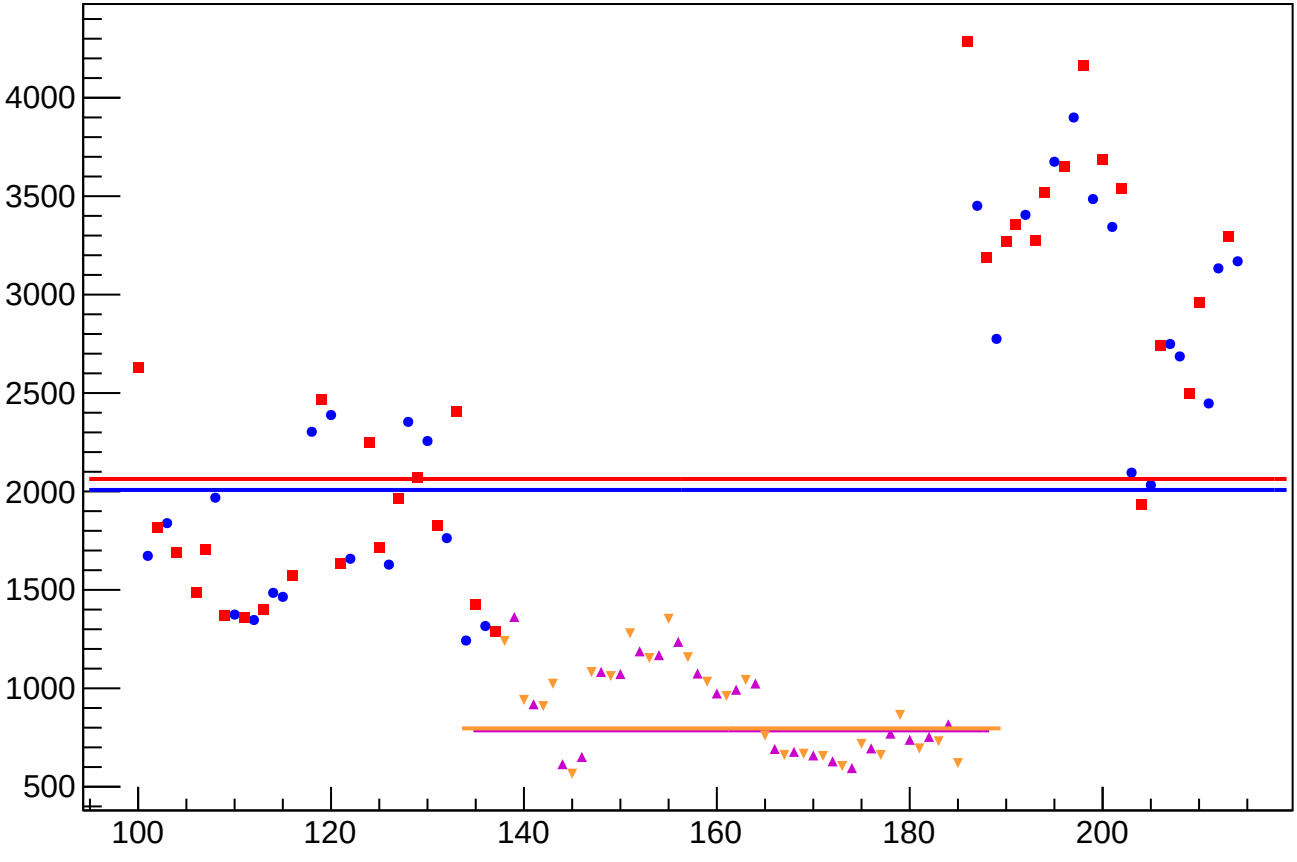
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -893.677+/-175.768 χ^2/NDF: 118.8/54

All: -607.891+/-125.112 χ^2/NDF: 190.4/111

- sign -314.388+/-178.125 χ^2/NDF: 66.3/56

asym_sam3_reg_correction_rms vs Slug



Right In: 2007.753+/-0.353 χ^2/NDF: 3991956.9/29

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2063.429+/-0.358 χ^2/NDF: 4588402.1/33

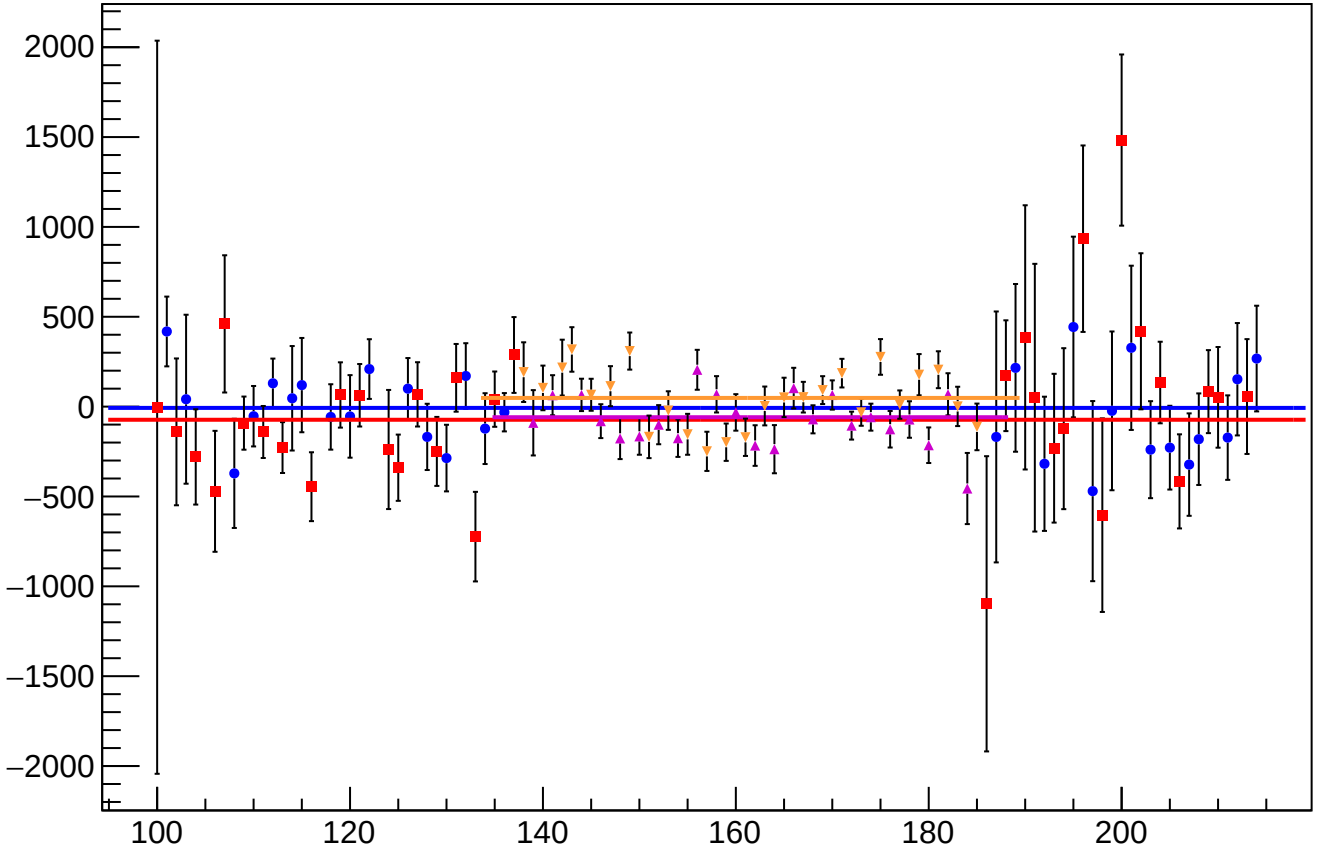
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 946.252+/-0.124 χ^2/NDF: 16698924.8/54

All: 945.219+/-0.088 χ^2/NDF: 34578912.4/11

- sign 944.159+/-0.126 χ^2/NDF: 17879847.7/56

cor_asym_sam3_mean vs Slug



Right In: -7.089+/-40.485 χ^2/NDF: 22.3/29

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -73.116+/-41.004 χ^2/NDF: 48.9/33

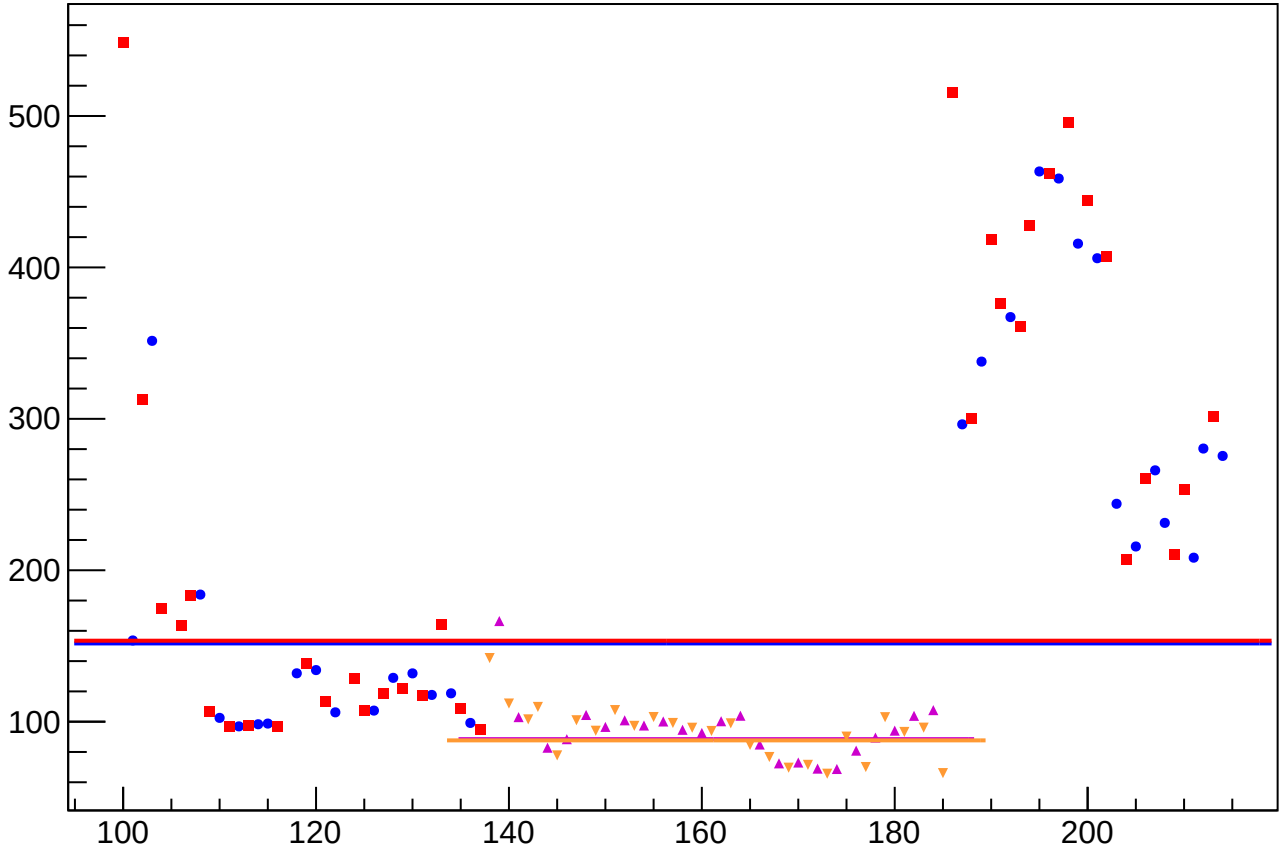
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.143+/-18.234 χ^2/NDF: 77.3/54

All: -10.902+/-13.089 χ^2/NDF: 171.2/111

- sign -61.981+/-18.801 χ^2/NDF: 79.6/56

cor_asym_sam3_rms vs Slug



Right In: 151.682+/-0.029 χ^2/NDF: 7640107.4/29

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.481+/-0.029 χ^2/NDF: 8907574.1/33

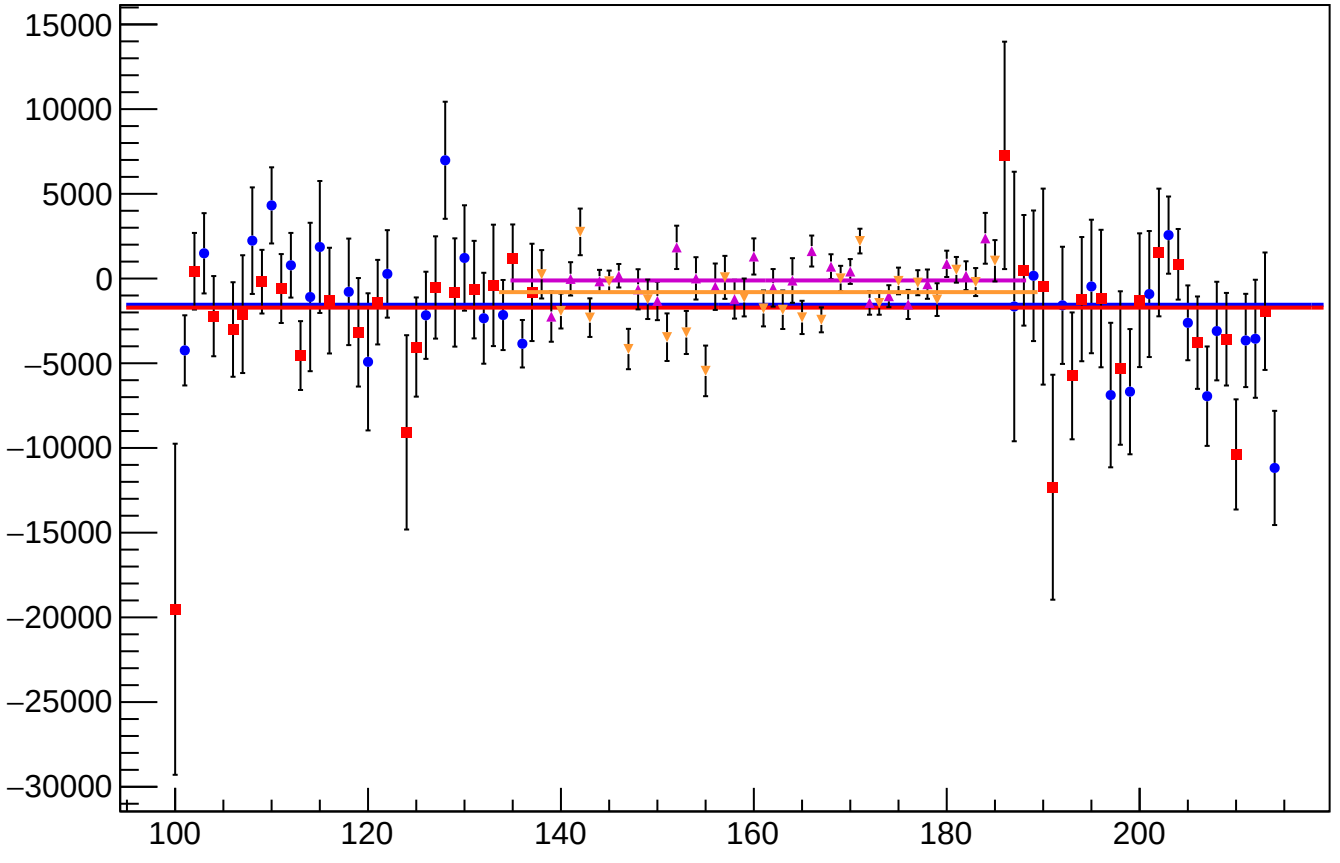
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 100.644+/-0.013 χ^2/NDF: 12840804.3/54

All: 101.373+/-0.009 χ^2/NDF: 26799737.1/11

- sign 102.148+/-0.013 χ^2/NDF: 13952338.0/56

asym_sam3_cor_correction_mean vs Slug



Right In: -1547.118+/-499.922 χ^2/NDF: 45.0/29

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1716.038+/-507.459 χ^2/NDF: 29.7/33

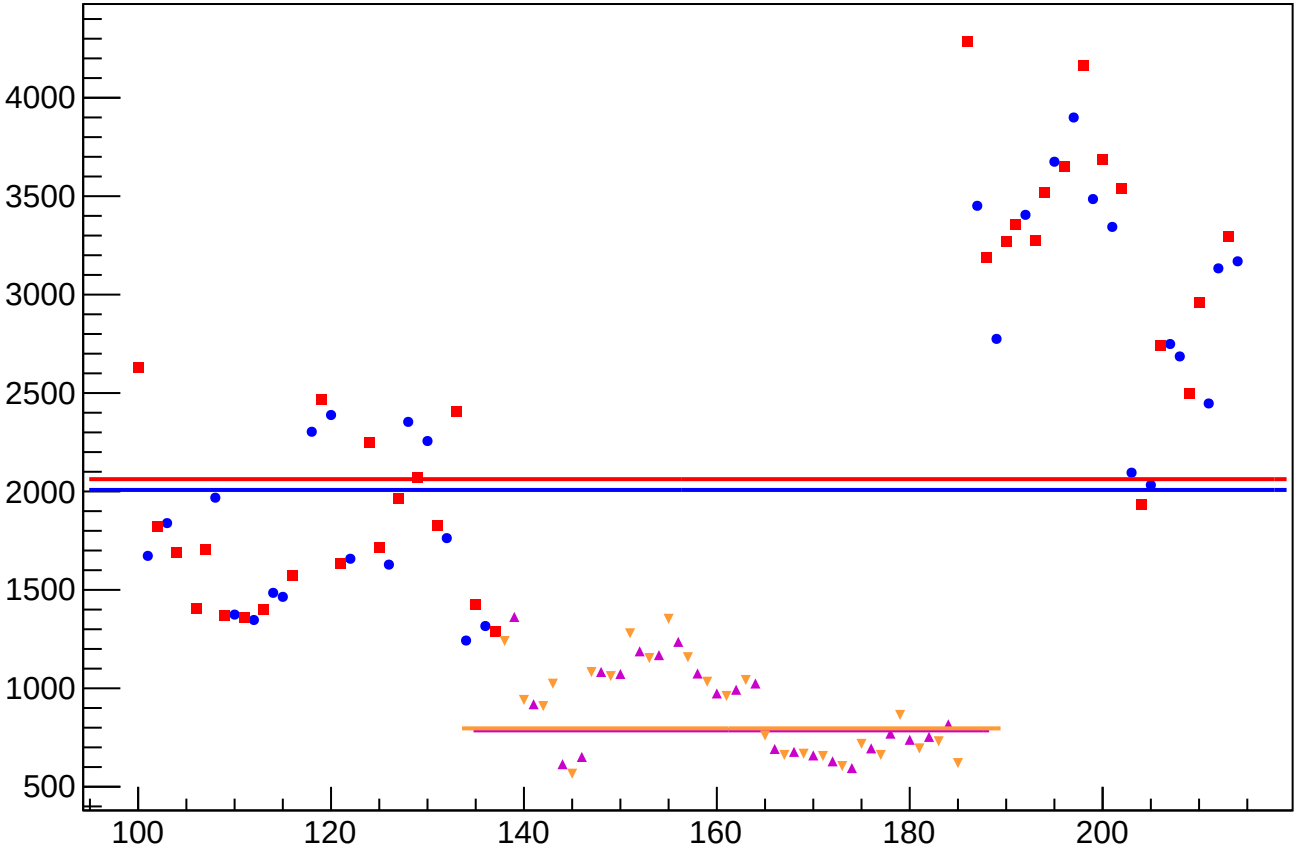
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

\+ sign -893.669+/-175.768 χ^2/NDF: 118.8/54

All: -605.842+/-125.123 χ^2/NDF: 189.8/111

\- sign -310.132+/-178.158 χ^2/NDF: 65.5/56

asym_sam3_cor_correction_rms vs Slug



Right In: 2007.763+/-0.353 χ^2/NDF: 3991936.5/29

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2062.521+/-0.359 χ^2/NDF: 4606245.0/33

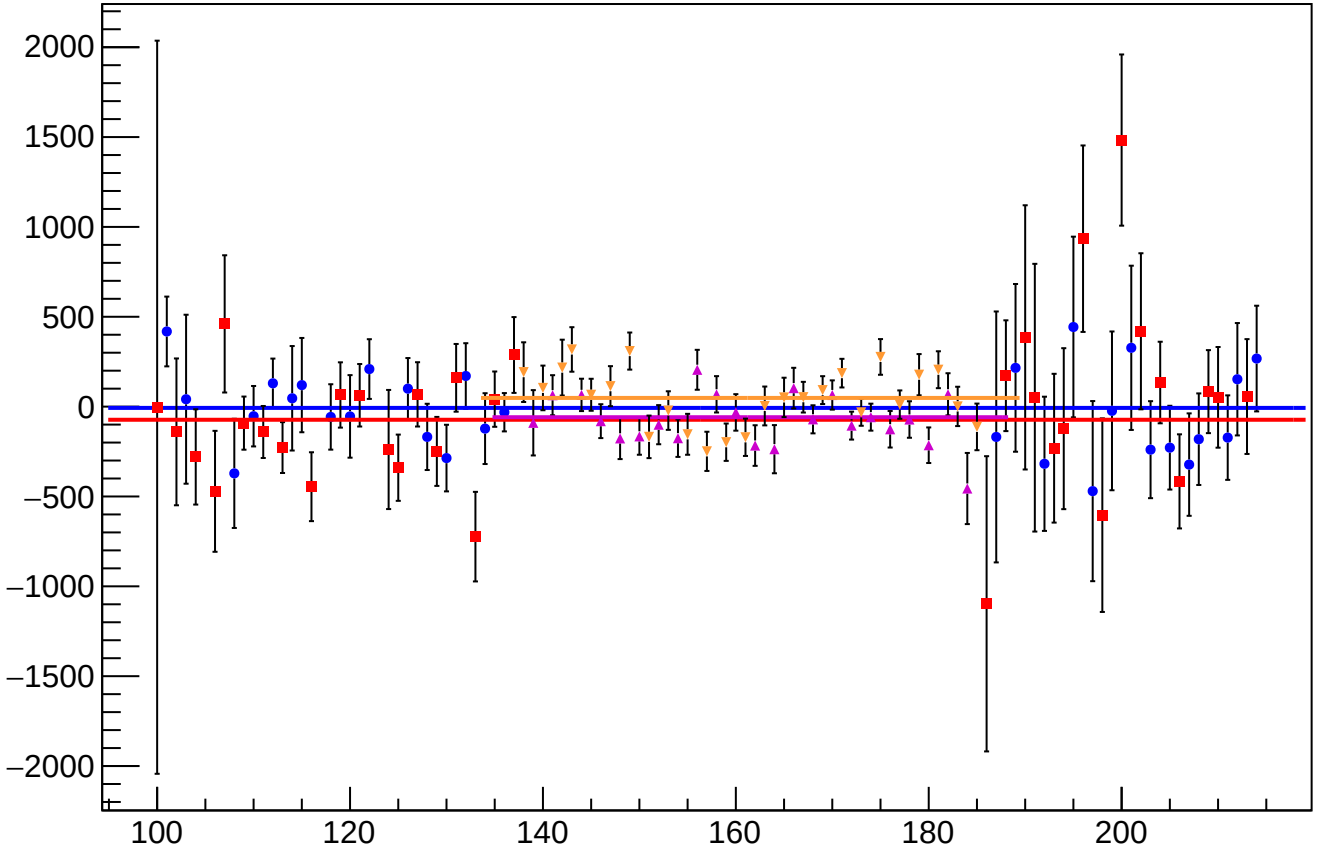
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 946.252+/-0.124 χ^2/NDF: 16698985.9/54

All: 944.960+/-0.088 χ^2/NDF: 34551931.6/11

- sign 943.633+/-0.126 χ^2/NDF: 17852726.7/56

eigen_cor_asym_sam3_mean vs Slug



Right In: -7.089+/-40.485 χ^2/NDF: 22.3/29

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -73.116+/-41.004 χ^2/NDF: 48.9/33

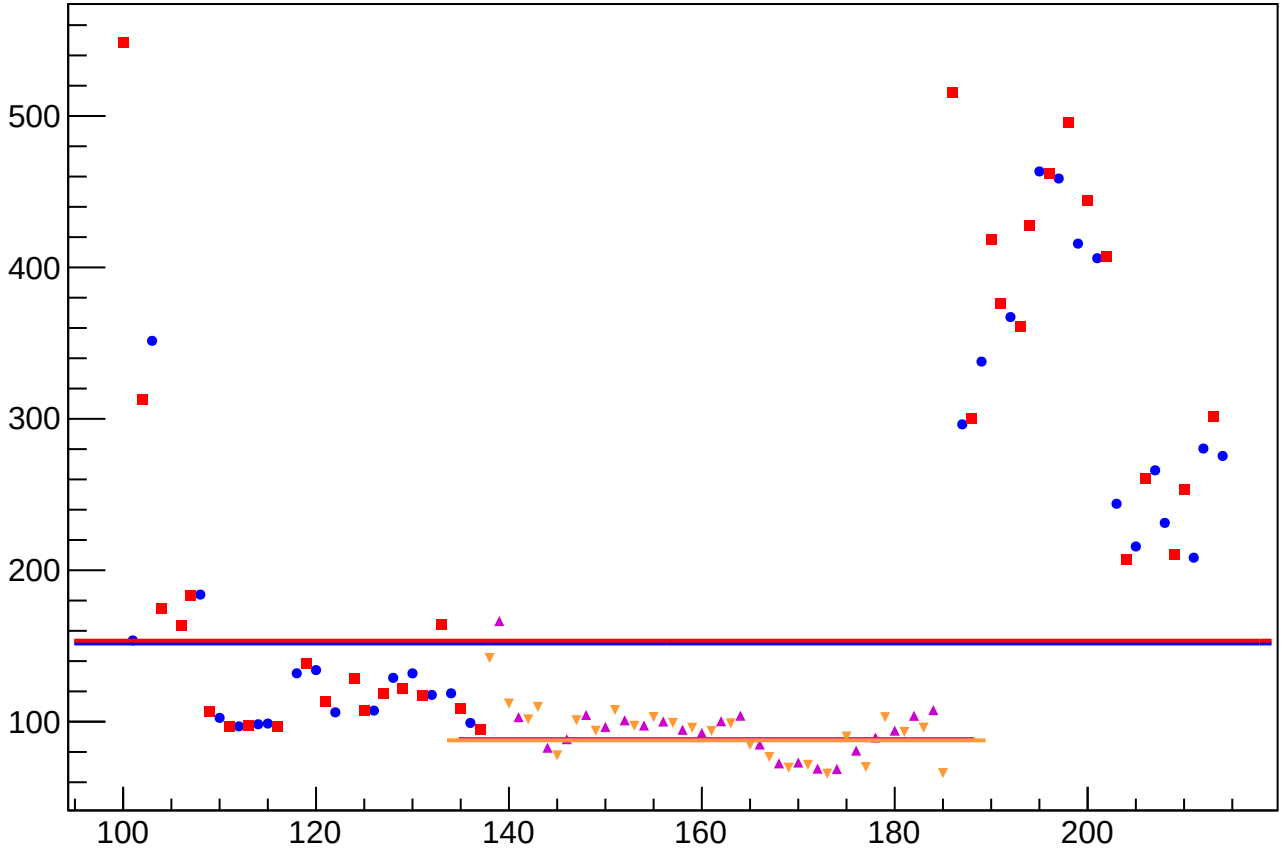
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 37.143+/-18.234 χ^2/NDF: 77.3/54

All: -10.902+/-13.089 χ^2/NDF: 171.2/111

- sign -61.981+/-18.801 χ^2/NDF: 79.6/56

eigen_cor_asym_sam3_rms vs Slug



Right In: 151.682+/-0.029 χ^2/NDF: 7640107.4/29

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 153.481+/-0.029 χ^2/NDF: 8907574.1/33

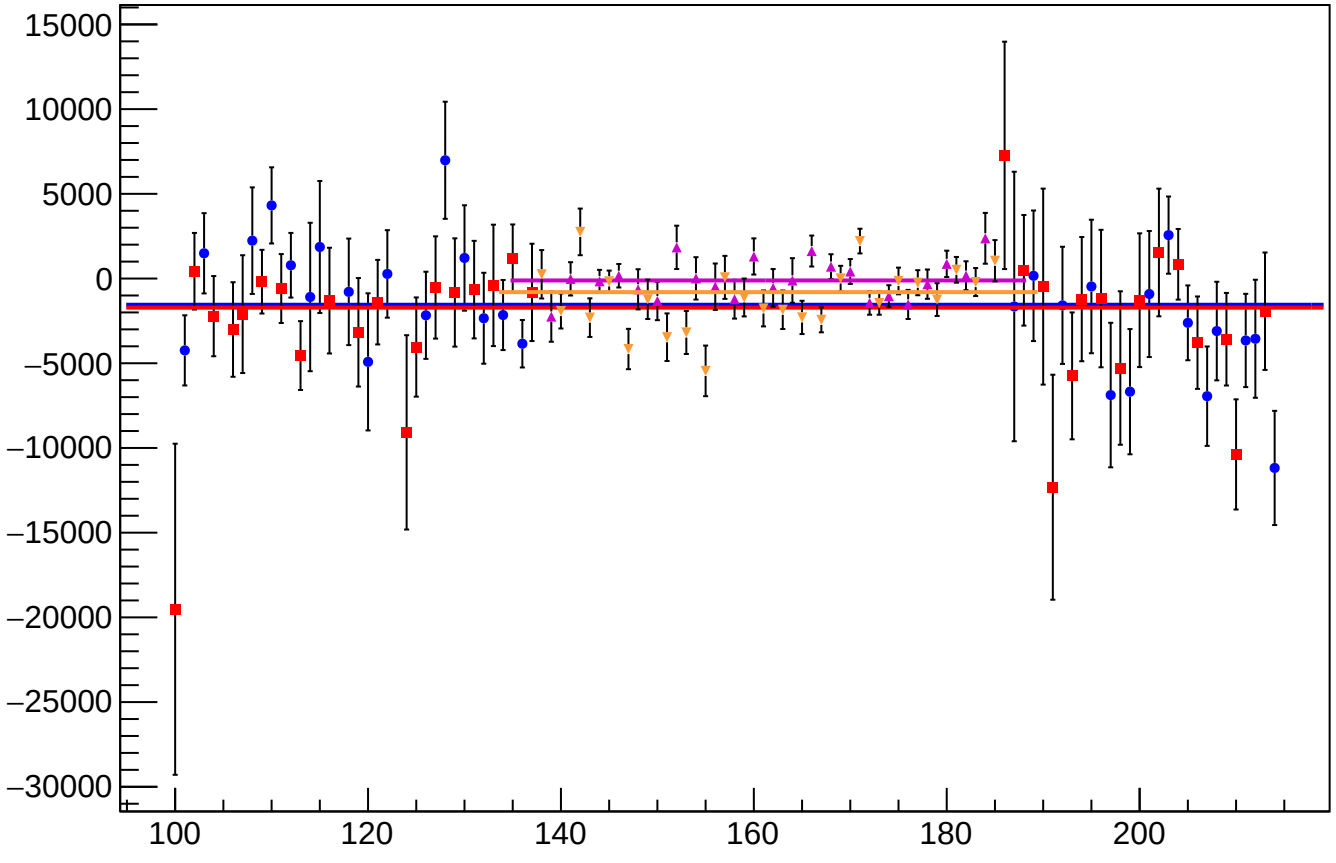
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 100.644+/-0.013 χ^2/NDF: 12840804.3/54

All: 101.373+/-0.009 χ^2/NDF: 26799737.1/11

- sign 102.148+/-0.013 χ^2/NDF: 13952338.0/56

asym_sam3_eigen_cor_correction_mean vs Slug



Right In: -1547.118+/-499.922 χ^2/NDF: 45.0/29

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1716.038+/-507.459 χ^2/NDF: 29.7/33

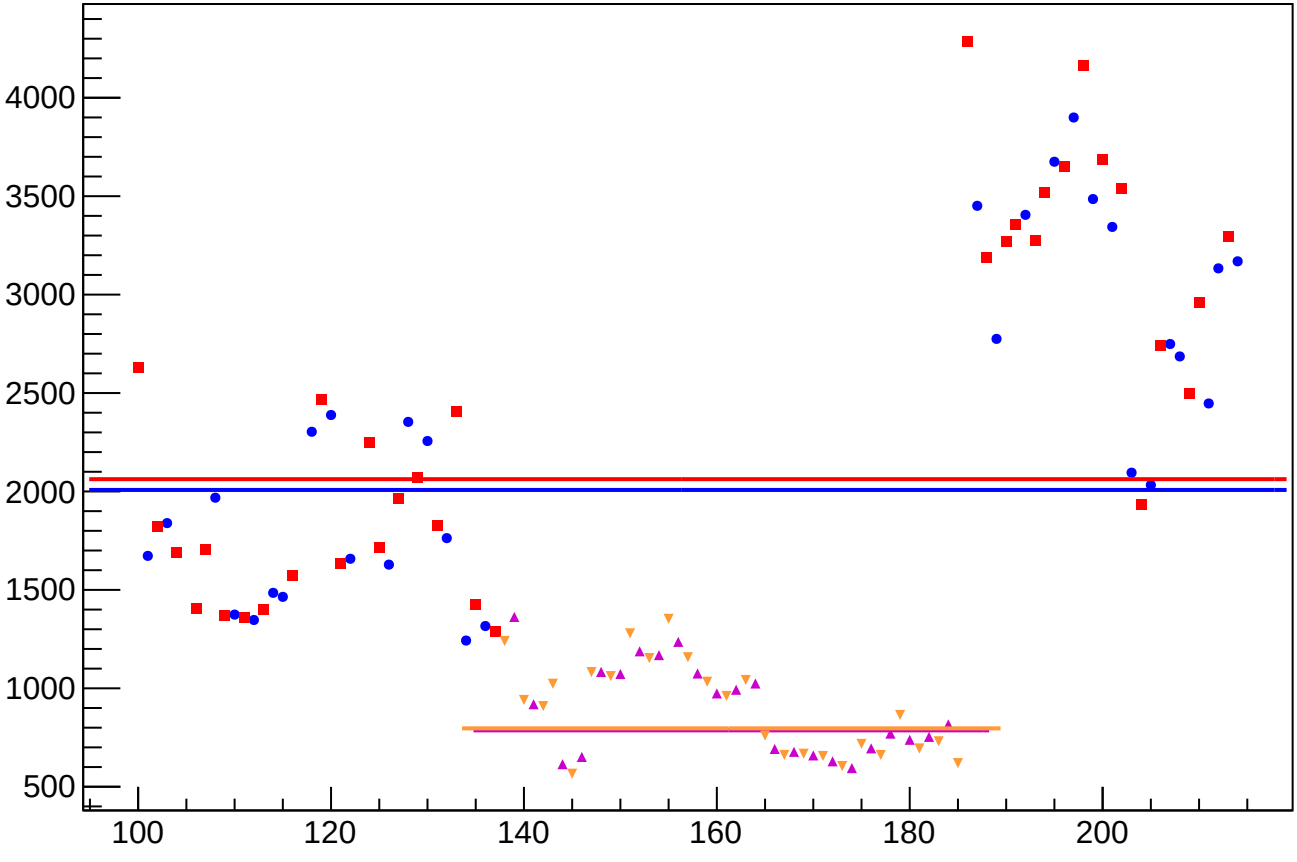
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -893.669+/-175.768 χ^2/NDF: 118.8/54

All: -605.842+/-125.123 χ^2/NDF: 189.8/111

- sign -310.132+/-178.158 χ^2/NDF: 65.5/56

asym_sam3_eigen_cor_correction_rms vs Slug



Right In: 2007.763+/-0.353 χ^2/NDF: 3991936.5/29

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2062.521+/-0.359 χ^2/NDF: 4606245.0/33

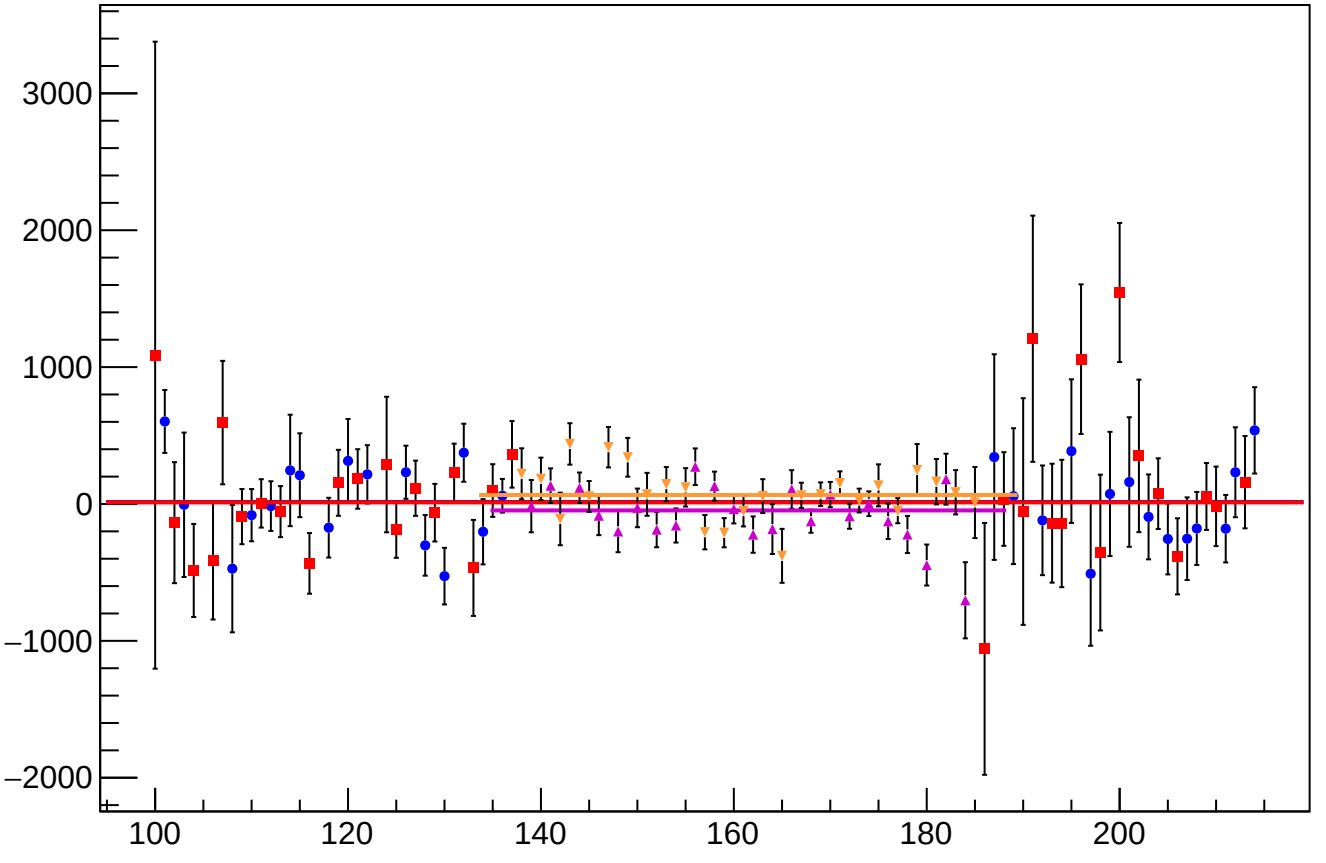
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 946.252+/-0.124 χ^2/NDF: 16698985.9/54

All: 944.960+/-0.088 χ^2/NDF: 34551931.6/11

- sign 943.633+/-0.126 χ^2/NDF: 17852726.7/56

dit_asym_sam3_mean vs Slug



Right In: 14.187+/-47.329 χ^2/NDF: 33.6/29

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 11.914+/-48.851 χ^2/NDF: 36.6/33

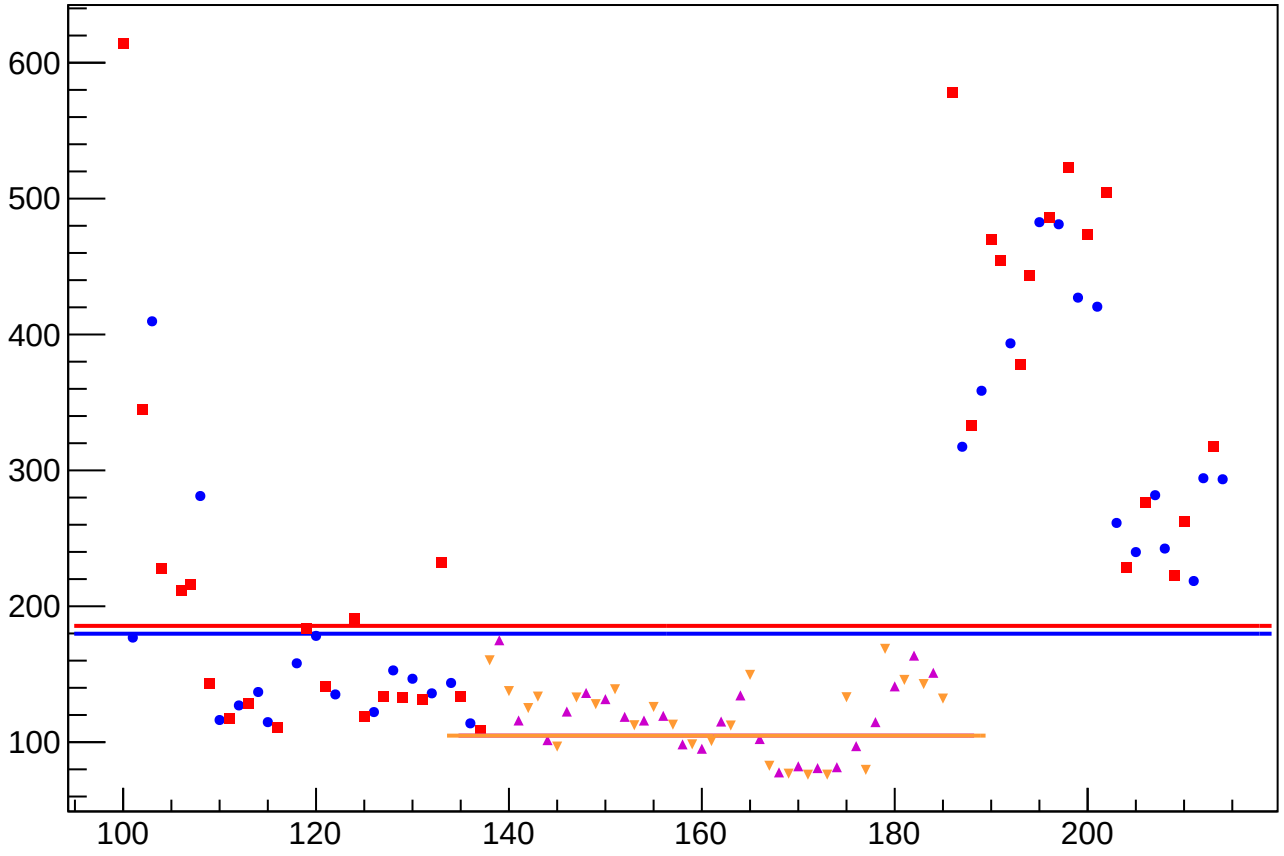
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 54.423+/-22.147 χ^2/NDF: 74.5/54

All: 11.256+/-15.866 χ^2/NDF: 158.7/111

- sign -34.263+/-22.742 χ^2/NDF: 76.4/56

dit_asym_sam3_rms vs Slug



Right In: 179.809+/-0.033 χ^2/NDF: 6515955.7/29

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 185.575+/-0.035 χ^2/NDF: 7765727.7/33

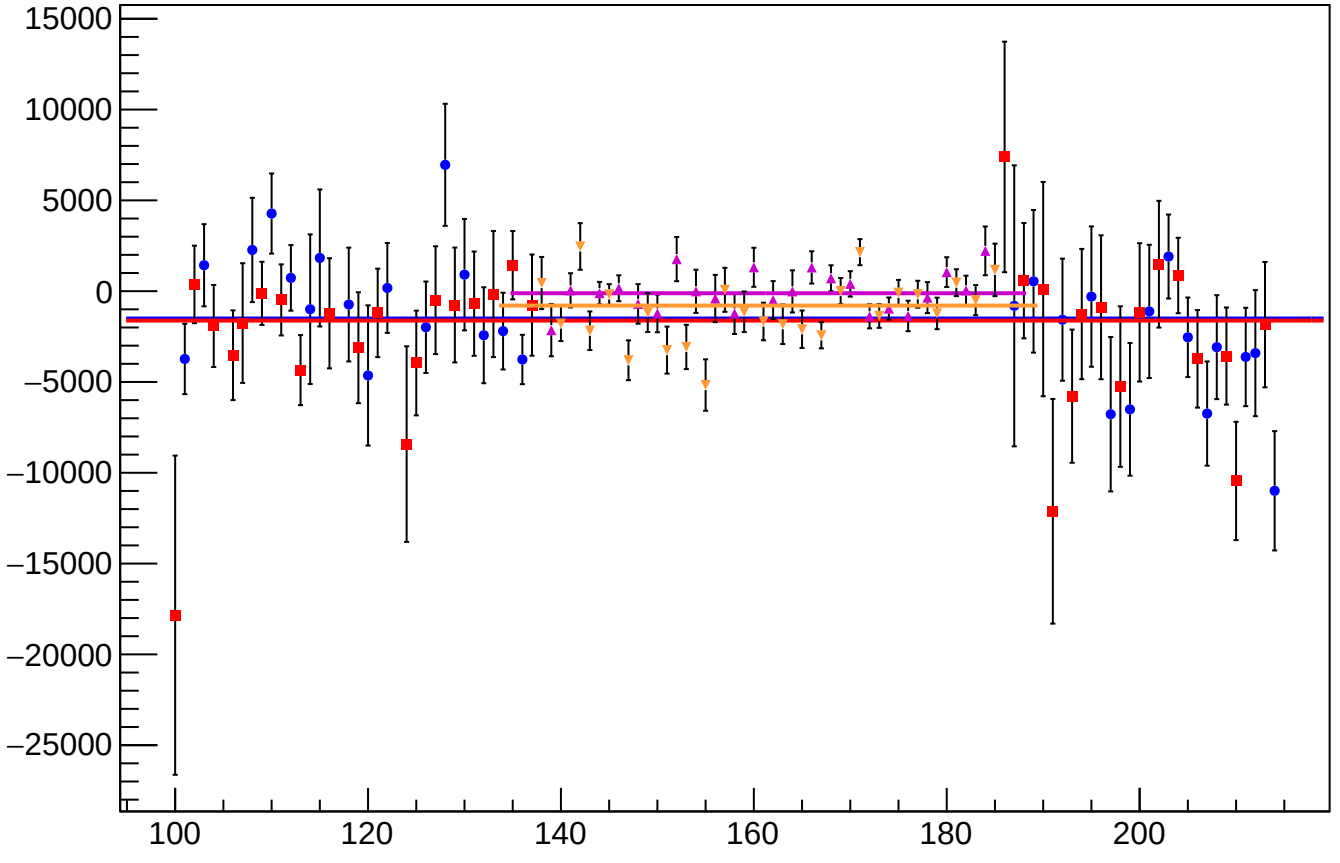
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 121.231+/-0.016 χ^2/NDF: 12681221.6/54

All: 121.767+/-0.011 χ^2/NDF: 26343163.9/11

- sign 122.333+/-0.016 χ^2/NDF: 13659535.0/56

asym_sam3_dit_correction_mean vs Slug



Right In: -1506.726+/-487.387 χ^2/NDF: 44.2/29

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1618.697+/-487.988 χ^2/NDF: 31.9/33

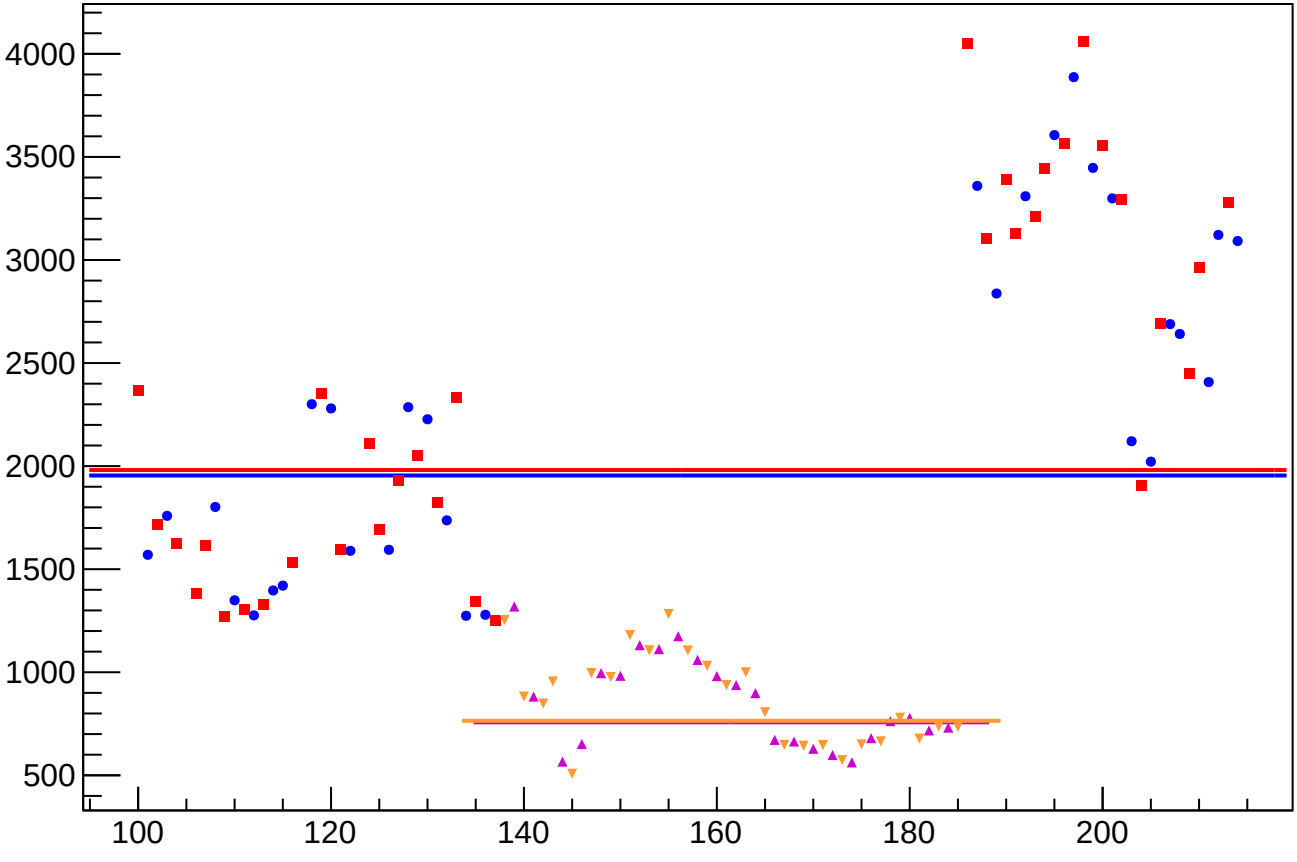
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

\+ sign -878.640+/-168.767 χ^2/NDF: 116.1/54

All: -593.619+/-120.274 χ^2/NDF: 188.5/111

\- sign -299.461+/-171.451 χ^2/NDF: 66.6/56

asym_sam3_dit_correction_rms vs Slug



Right In: 1954.522+/-0.345 χ^2/NDF: 4135505.8/29

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1981.143+/-0.345 χ^2/NDF: 4828414.1/33

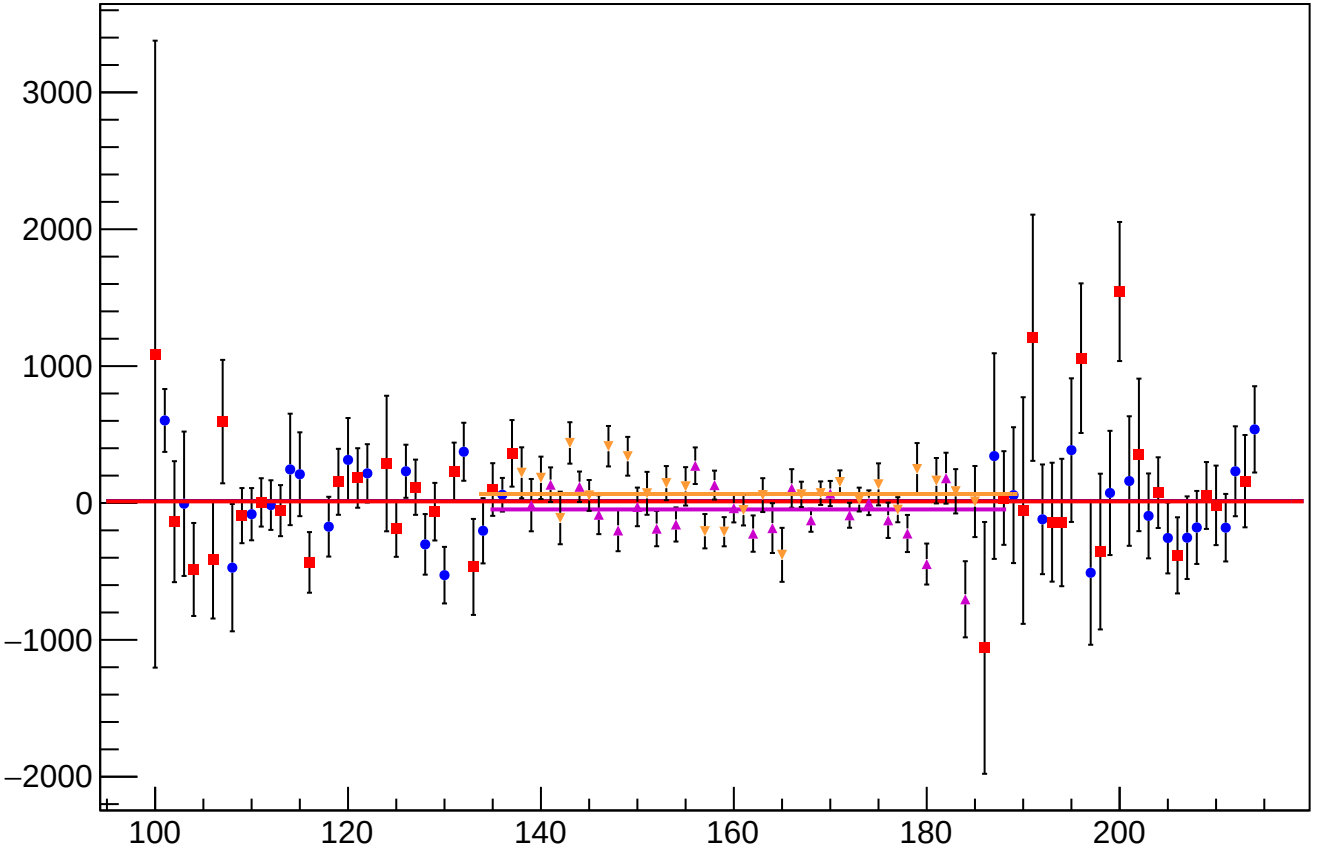
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 907.393+/-0.119 χ^2/NDF: 17050513.8/54

All: 907.714+/-0.085 χ^2/NDF: 35027599.6/11

- sign 908.045+/-0.121 χ^2/NDF: 17977071.1/56

eigen_dit_asym_sam3_mean vs Slug



Right In: 14.187+/-47.329 χ^2/NDF: 33.6/29

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 11.918+/-48.852 χ^2/NDF: 36.6/33

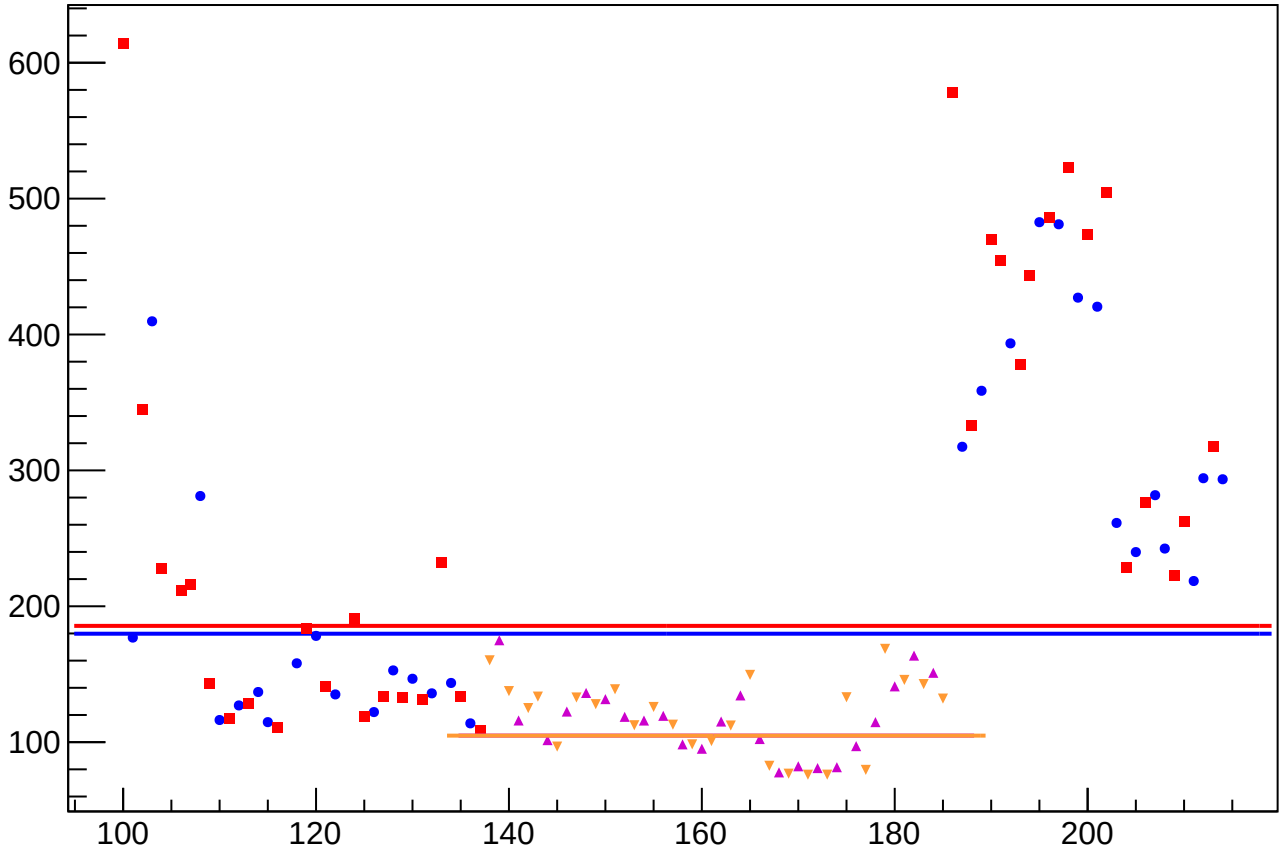
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 54.423+/-22.147 χ^2/NDF: 74.5/54

All: 11.257+/-15.866 χ^2/NDF: 158.7/111

- sign -34.261+/-22.742 χ^2/NDF: 76.4/56

eigen_dit_asym_sam3_rms vs Slug



Right In: 179.810+/-0.033 χ^2/NDF: 6515943.1/29

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 185.576+/-0.035 χ^2/NDF: 7765707.0/33

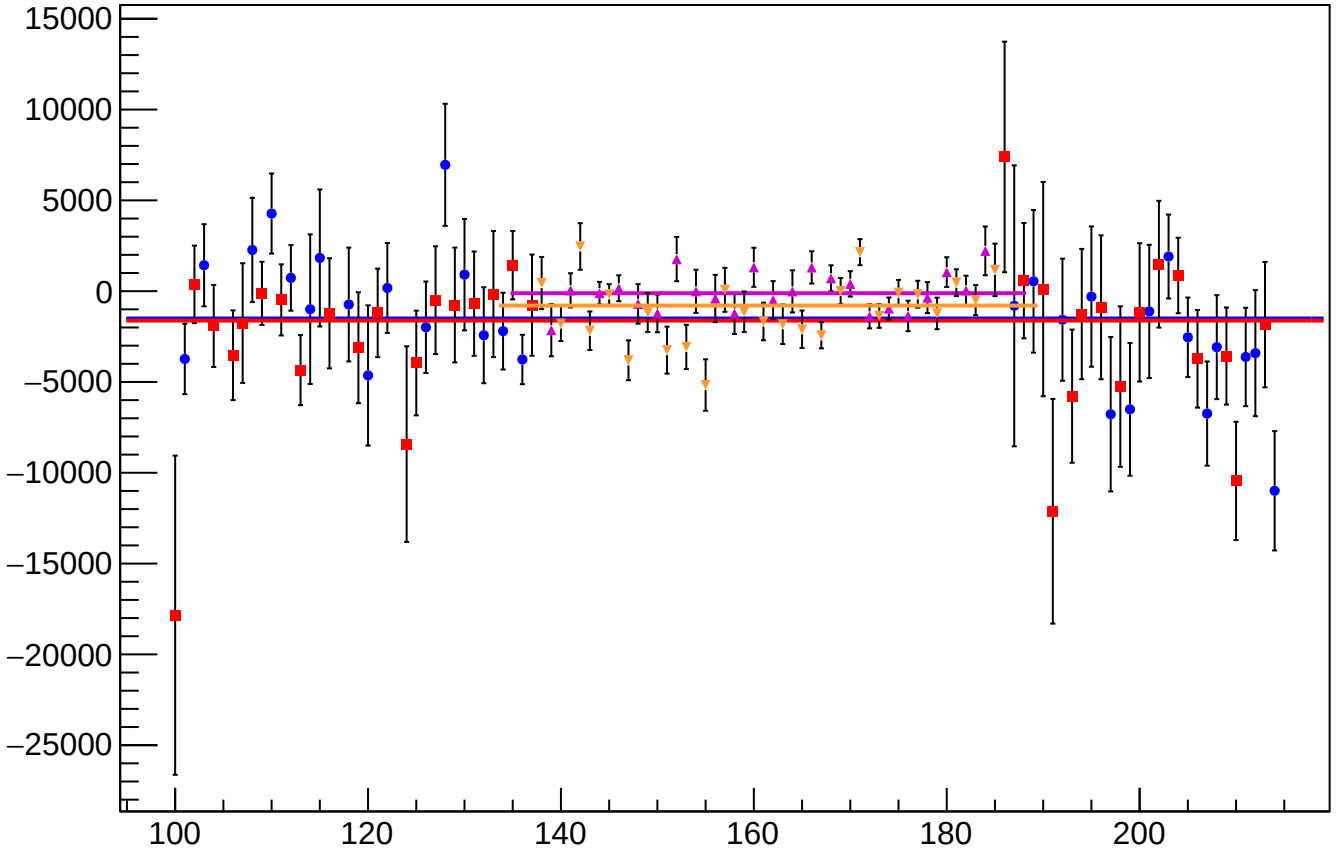
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 121.232+/-0.016 χ^2/NDF: 12681212.6/54

All: 121.768+/-0.011 χ^2/NDF: 26343146.4/11

- sign 122.333+/-0.016 χ^2/NDF: 13659526.4/56

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1506.723+/-487.386 χ^2/NDF: 44.2/29

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1618.695+/-487.988 χ^2/NDF: 31.9/33

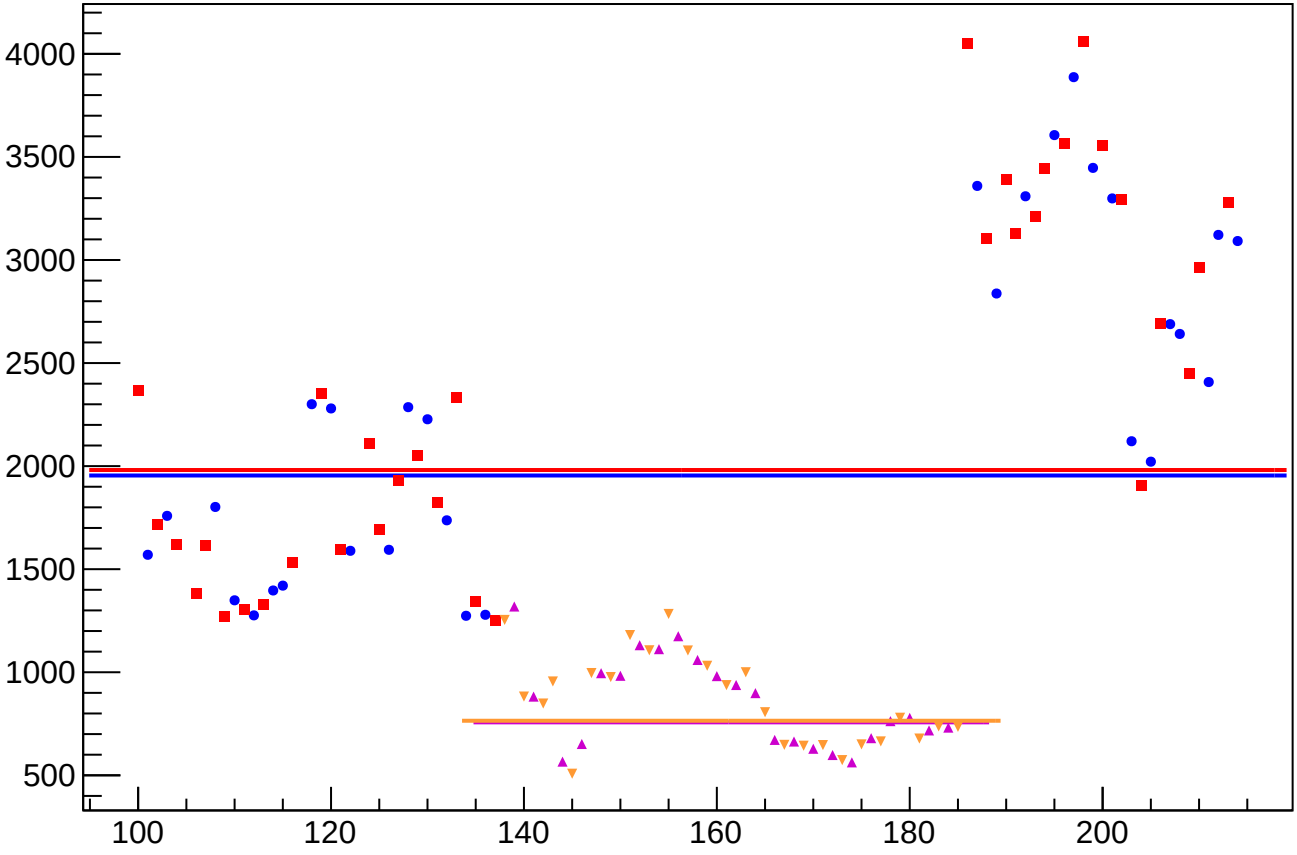
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

\+ sign -878.640+/-168.767 χ^2/NDF: 116.1/54

All: -593.619+/-120.274 χ^2/NDF: 188.5/111

\- sign -299.461+/-171.451 χ^2/NDF: 66.6/56

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1954.521+/-0.345 χ^2/NDF: 4135506.5/29

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1981.141+/-0.345 χ^2/NDF: 4828416.3/33

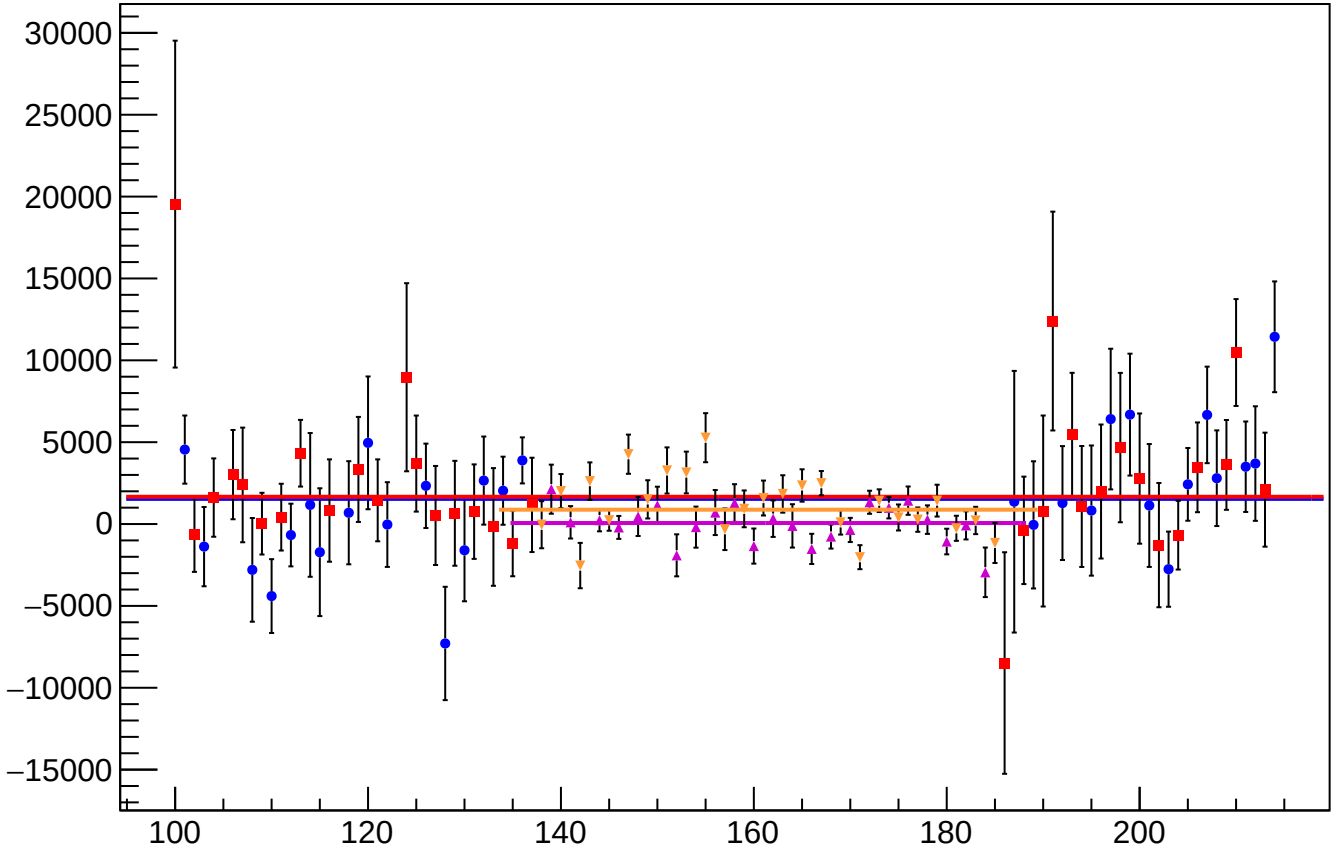
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 907.392+/-0.119 χ^2/NDF: 17050506.9/54

All: 907.713+/-0.085 χ^2/NDF: 35027583.6/11

- sign 908.045+/-0.121 χ^2/NDF: 17977062.0/56

asym_sam3_mean vs Slug



Right In: 1537.393+/-502.416 χ^2/NDF: 45.9/29

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1665.370+/-509.530 χ^2/NDF: 29.3/33

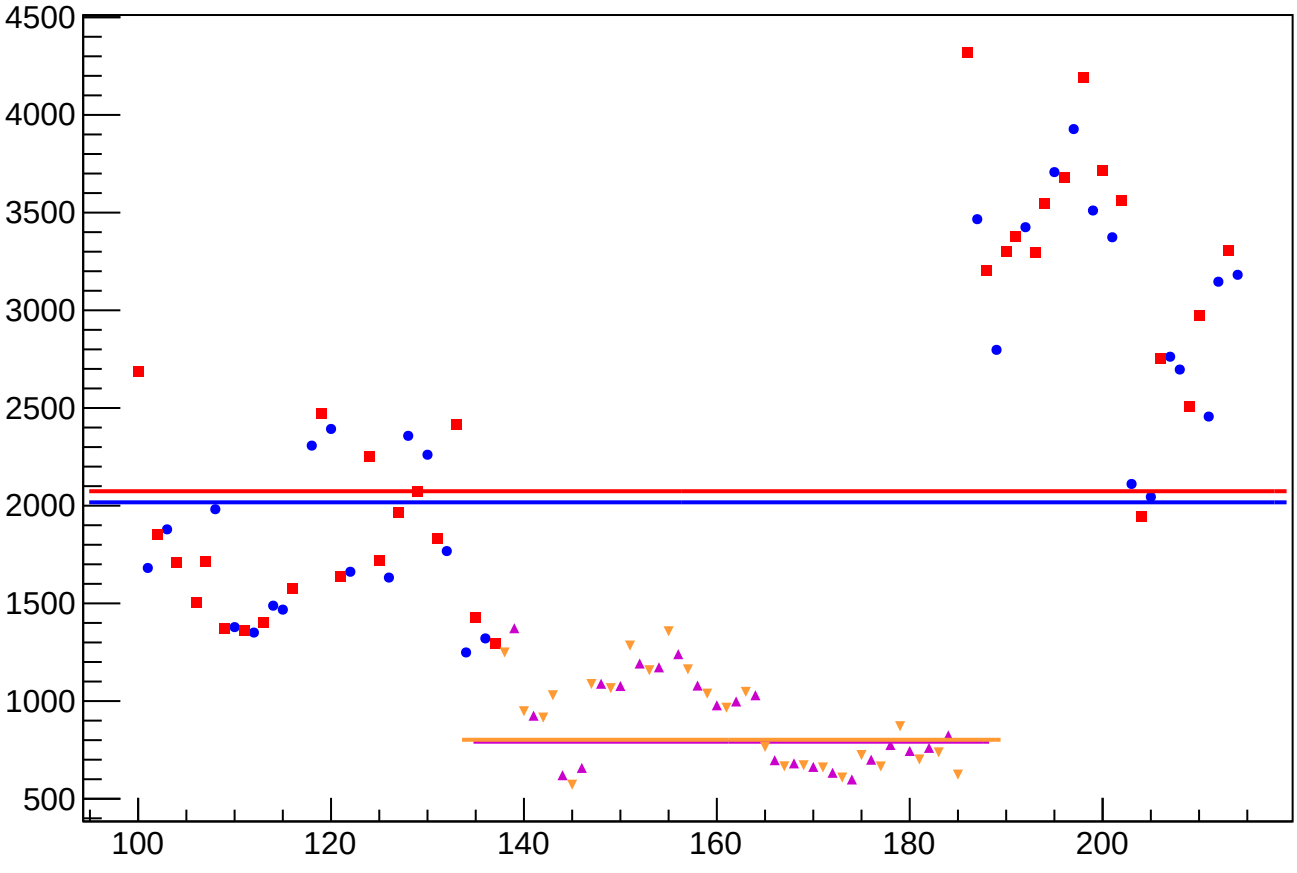
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 958.414+/-176.896 χ^2/NDF: 114.7/54

All: 614.626+/-125.938 χ^2/NDF: 187.4/111

- sign 261.285+/-179.337 χ^2/NDF: 65.1/56

asym_sam3_rms vs Slug



Right In: 2017.204+/-0.355 χ^2/NDF: 4009825.1/29

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2074.051+/-0.360 χ^2/NDF: 4604777.5/33

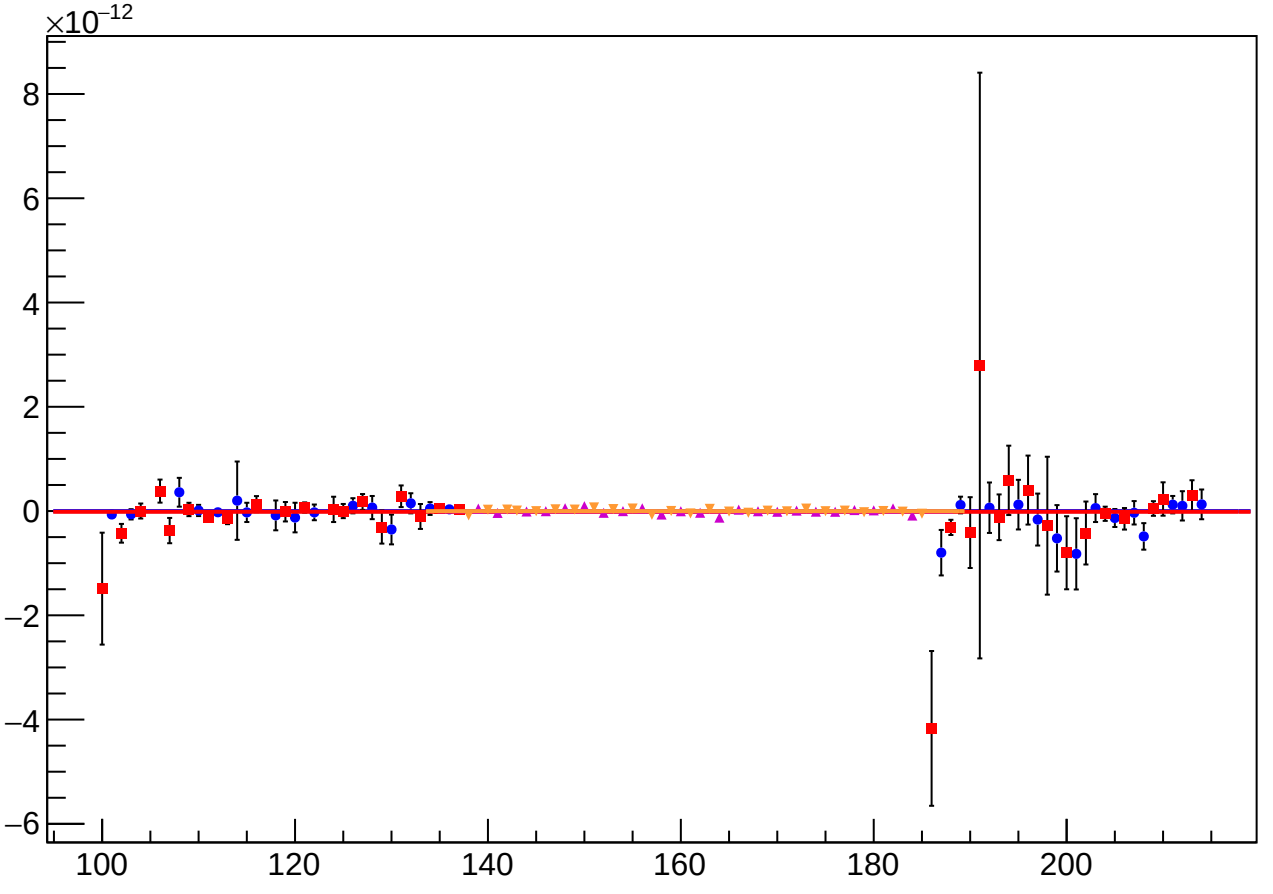
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 952.659+/-0.125 χ^2/NDF: 16655549.4/54

All: 951.778+/-0.089 χ^2/NDF: 34488372.1/11

- sign 950.873+/-0.127 χ^2/NDF: 17832722.2/56

asym_sam3_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.7/33

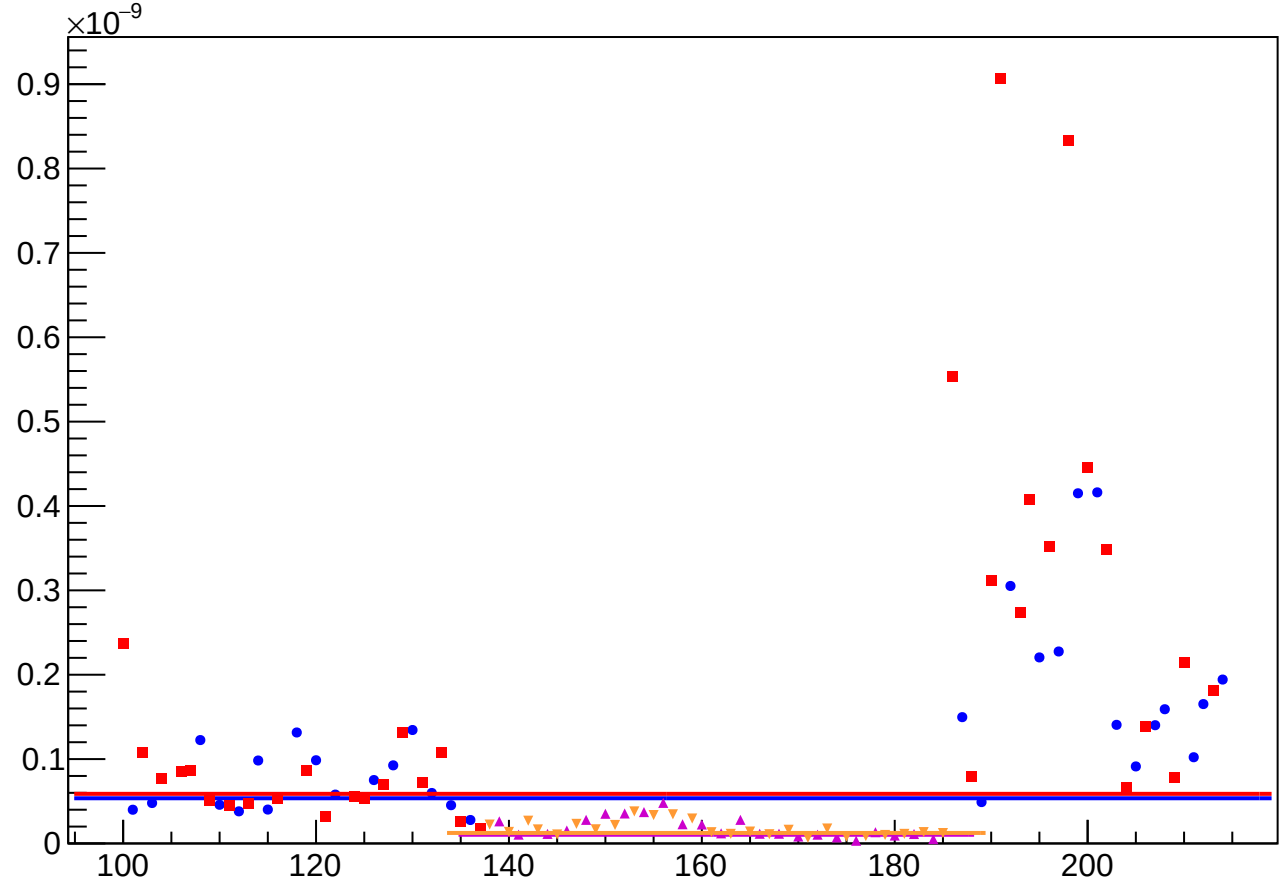
Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.2/54

All: -0.000+/-0.000 χ^2/NDF: 116.0/111

- sign -0.000+/-0.000 χ^2/NDF: 73.3/56

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5748204.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628846.5/33

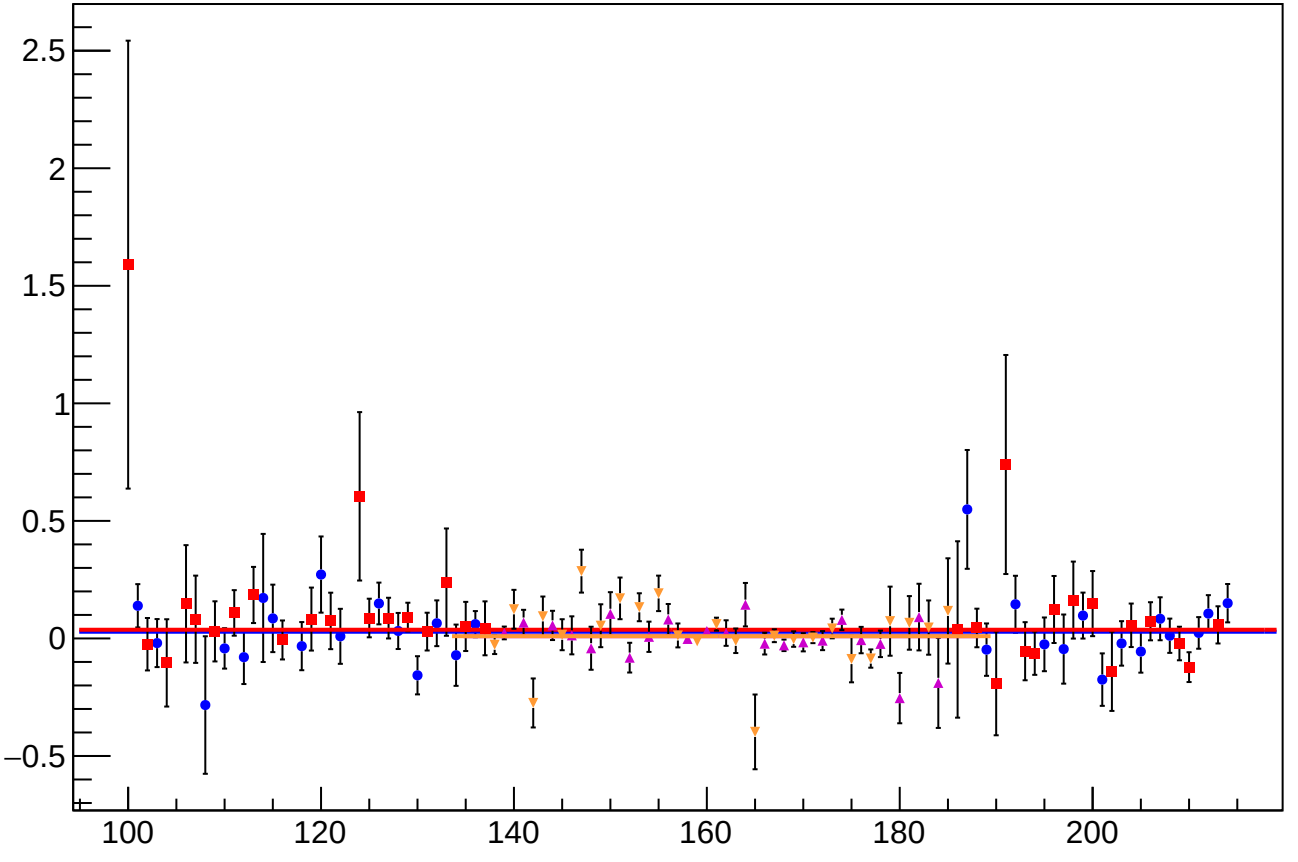
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12968980.5/54

All: 0.000+/-0.000 χ^2/NDF: 29444615.6/111

- sign 0.000+/-0.000 χ^2/NDF: 16246610.3/56

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.018 χ^2/NDF: 30.3/29

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.037+/-0.018 χ^2/NDF: 26.2/33

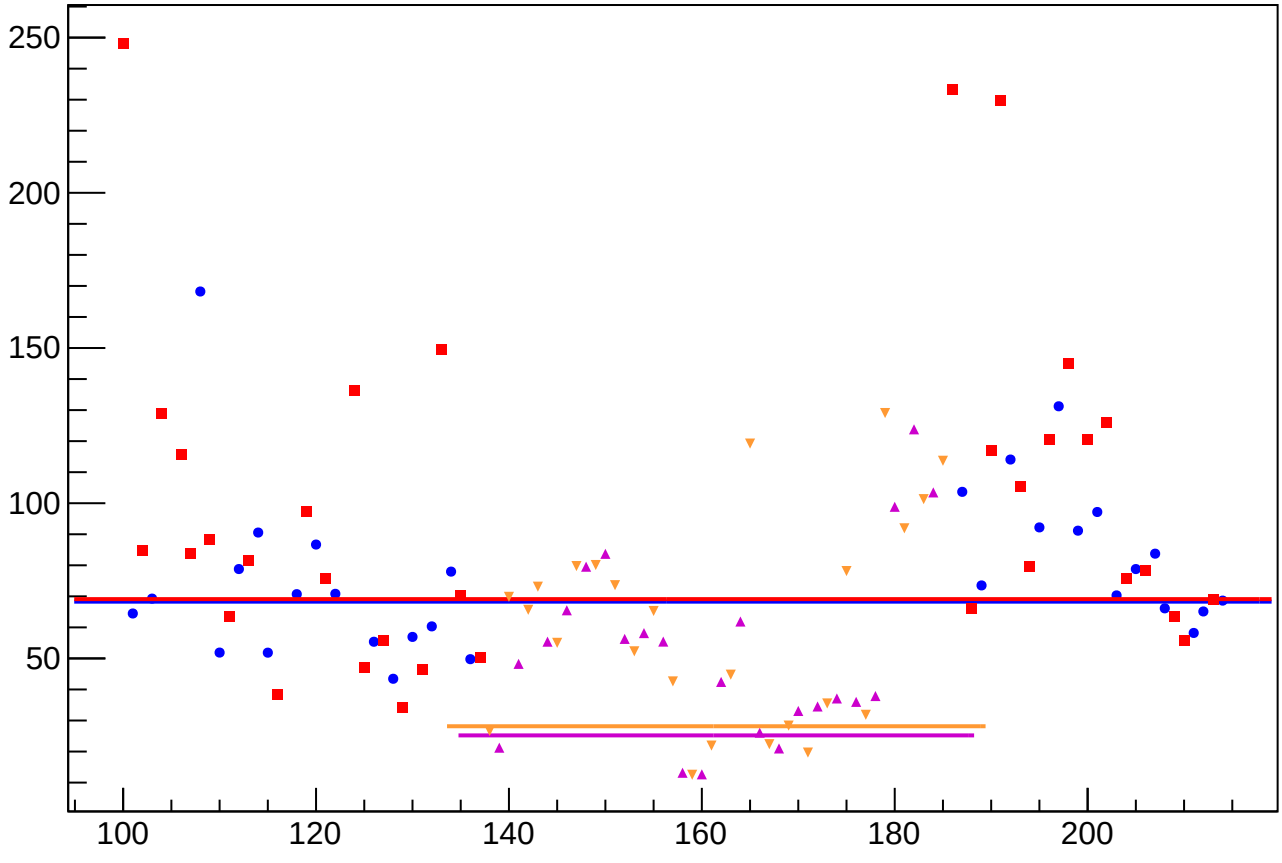
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.013+/-0.008 χ^2/NDF: 85.8/54

All: 0.013+/-0.005 χ^2/NDF: 139.2/111

- sign 0.014+/-0.007 χ^2/NDF: 53.3/56

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.292+/-0.013 χ^2/NDF: 2094889.0/29

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.107+/-0.013 χ^2/NDF: 4468328.4/33

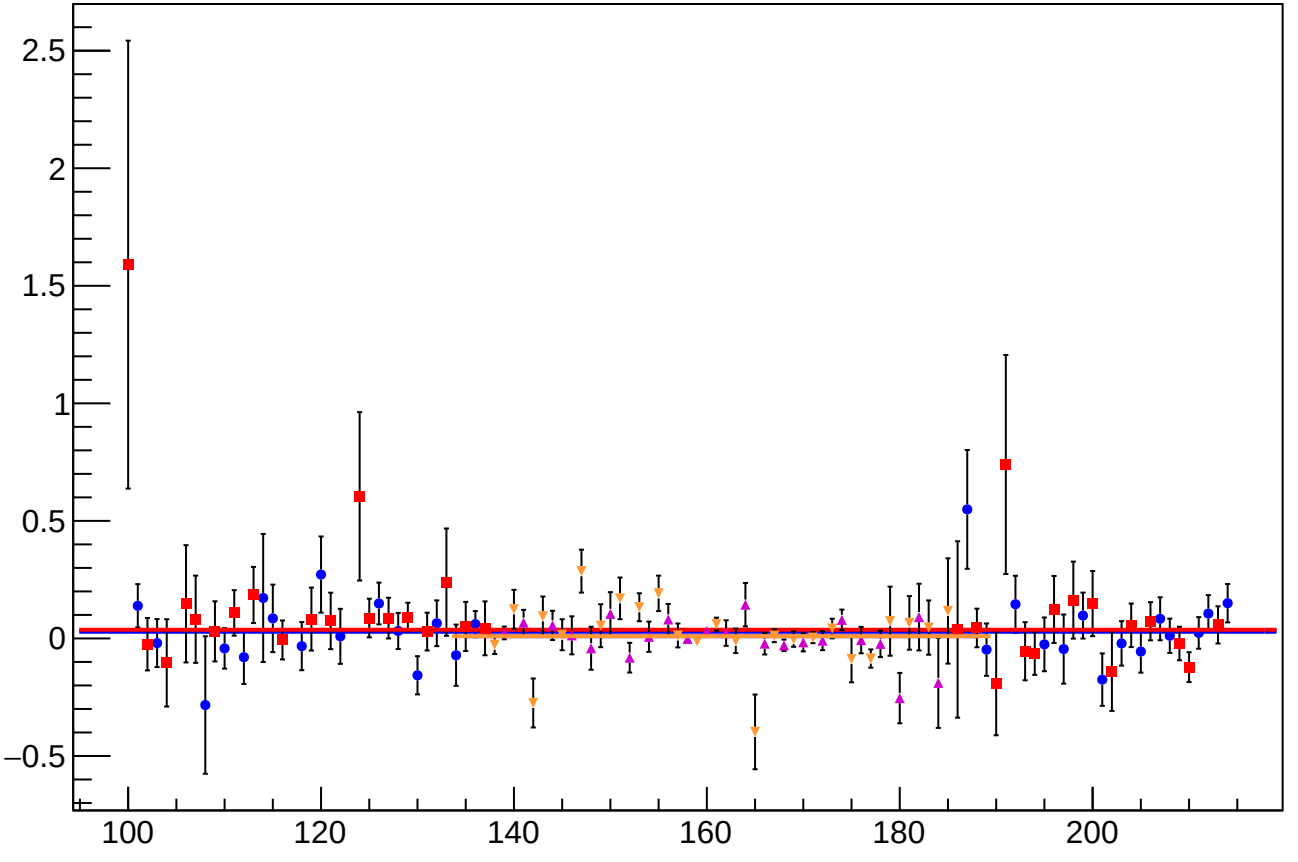
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 35.614+/-0.005 χ^2/NDF: 21541667.5/54

All: 33.783+/-0.004 χ^2/NDF: 45861855.9/11

\- sign 32.120+/-0.005 χ^2/NDF: 24100386.5/56

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.018 χ^2/NDF: 30.3/29

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.037+/-0.018 χ^2/NDF: 26.2/33

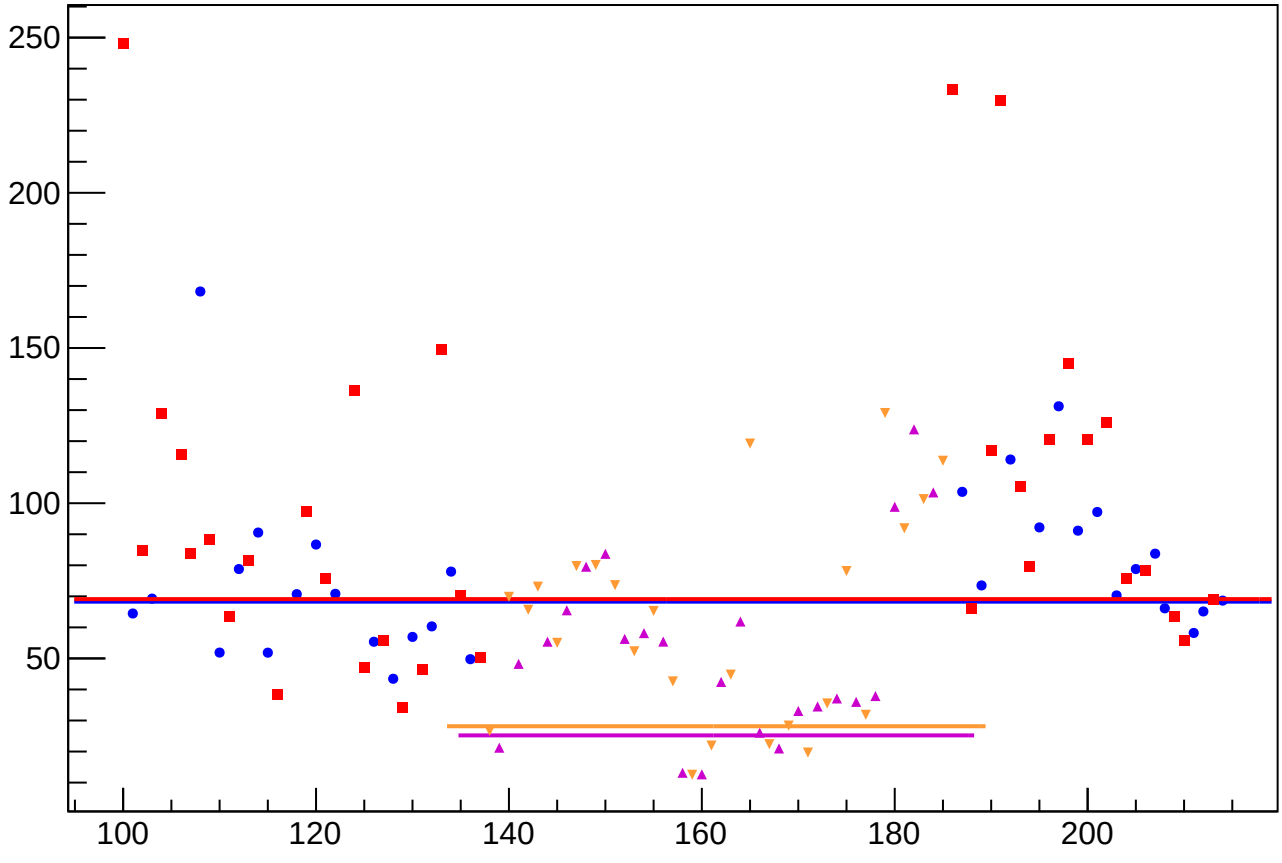
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.013+/-0.008 χ^2/NDF: 85.8/54

All: 0.013+/-0.005 χ^2/NDF: 139.2/111

- sign 0.014+/-0.007 χ^2/NDF: 53.3/56

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.292+/-0.013 χ^2/NDF: 2094889.0/29

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.107+/-0.013 χ^2/NDF: 4468328.4/33

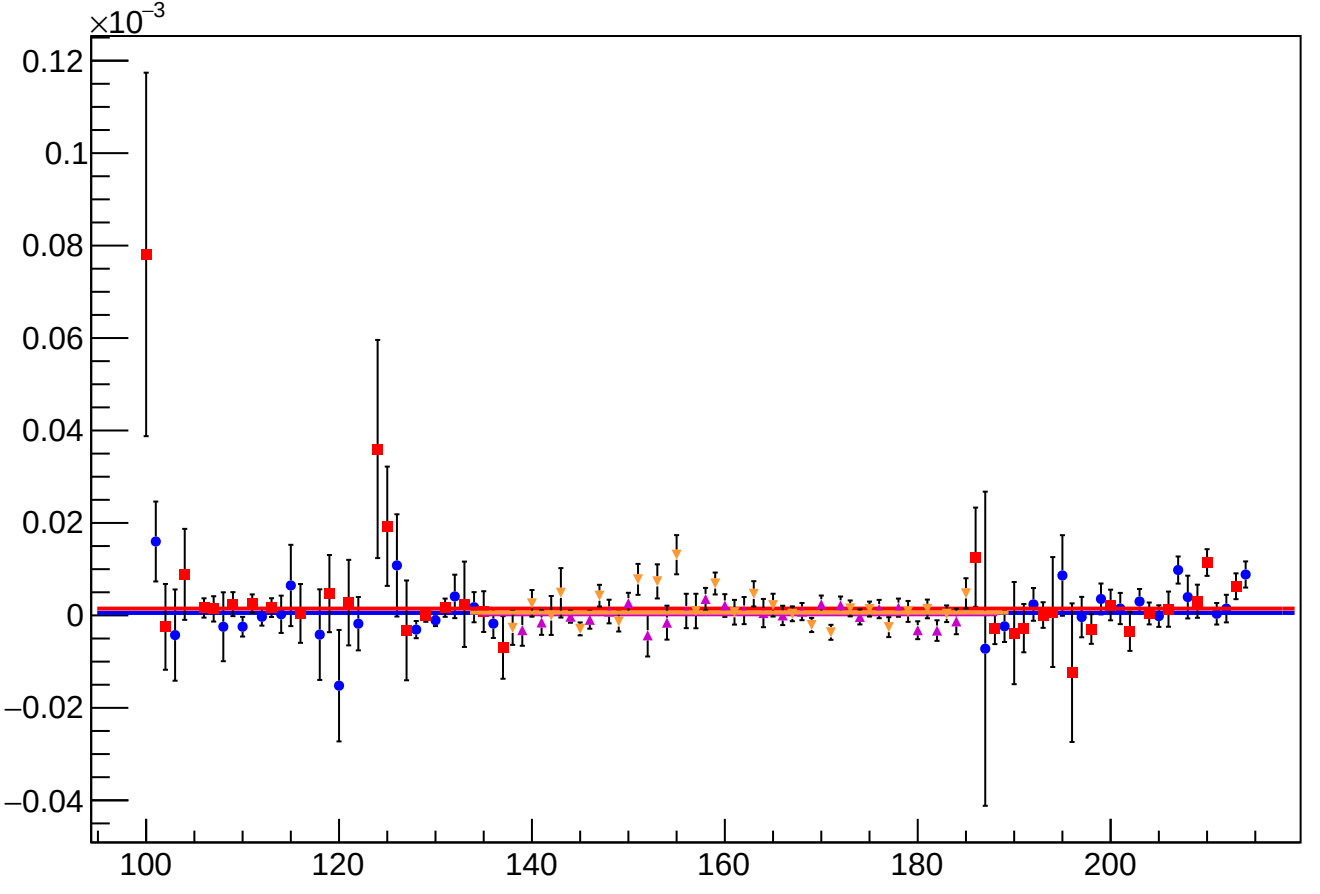
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

\+ sign 35.614+/-0.005 χ^2/NDF: 21541667.5/54

All: 33.783+/-0.004 χ^2/NDF: 45861855.9/11

\- sign 32.120+/-0.005 χ^2/NDF: 24100386.5/56

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

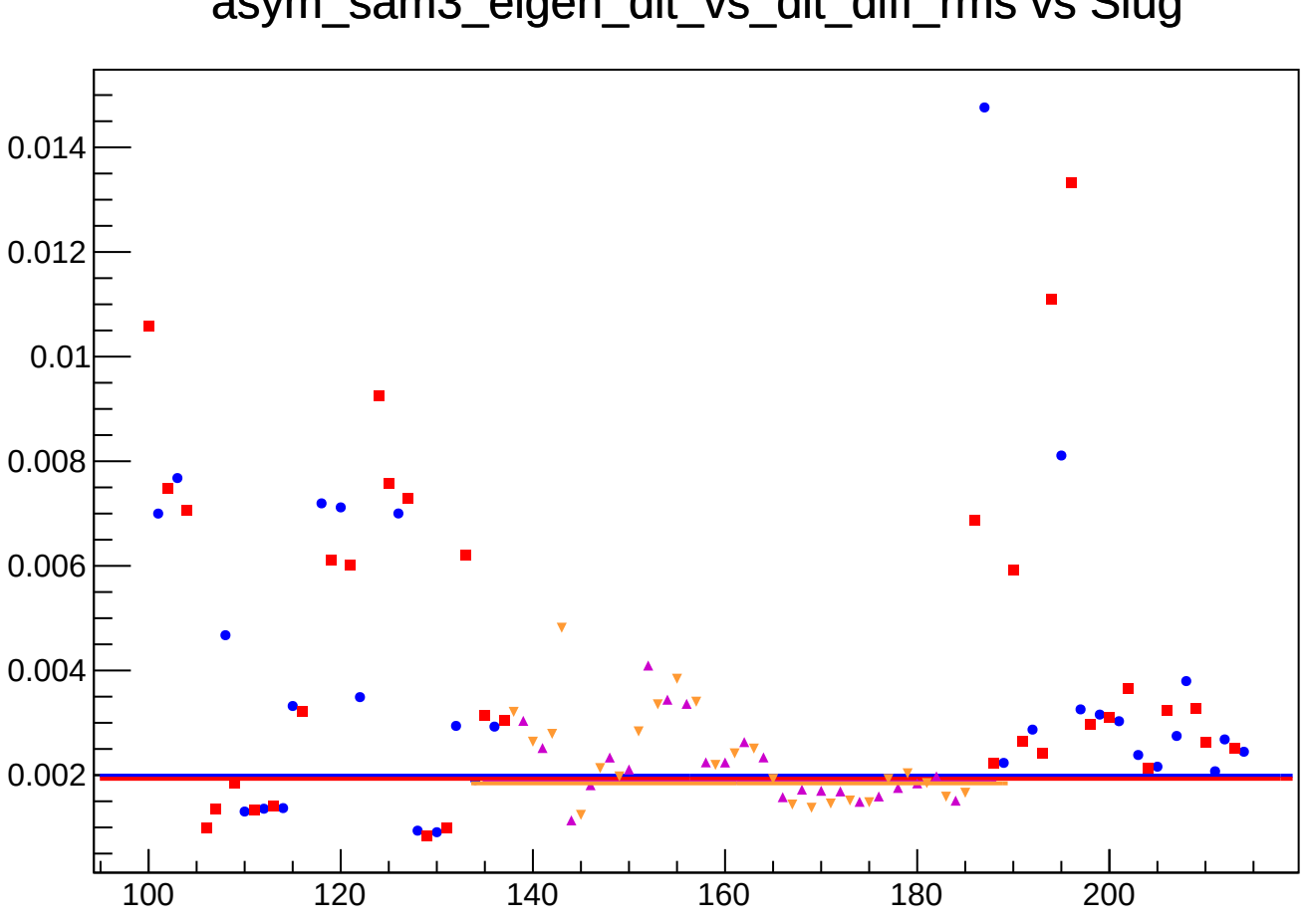
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

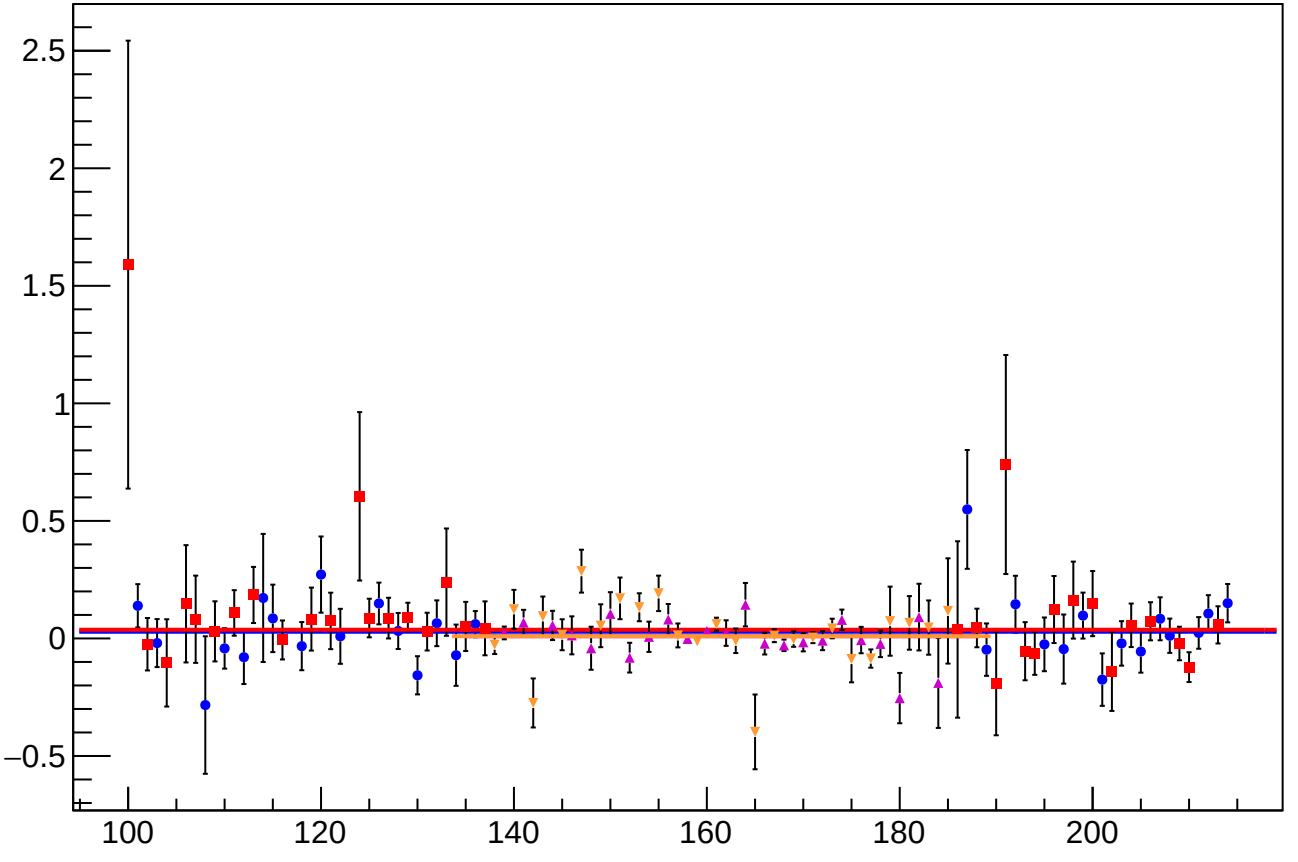
+ sign 0.000+/-0.000 χ^2/NDF: 91.2/54

All: 0.000+/-0.000 χ^2/NDF: 146.7/111

- sign 0.000+/-0.000 χ^2/NDF: 55.3/56


asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 8640509.5/29
Left Out: 0.002+/-0.000 χ²/NDF:3783185.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 11445416.6/33
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
+ sign 0.002+/-0.000 χ²/NDF: 12506062.7/54
All: 0.002+/-0.000 χ²/NDF: 26762237.9/111
- sign 0.002+/-0.000 χ²/NDF: 14255645.6/56

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.018 χ^2/NDF: 30.3/29

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.037+/-0.018 χ^2/NDF: 26.2/33

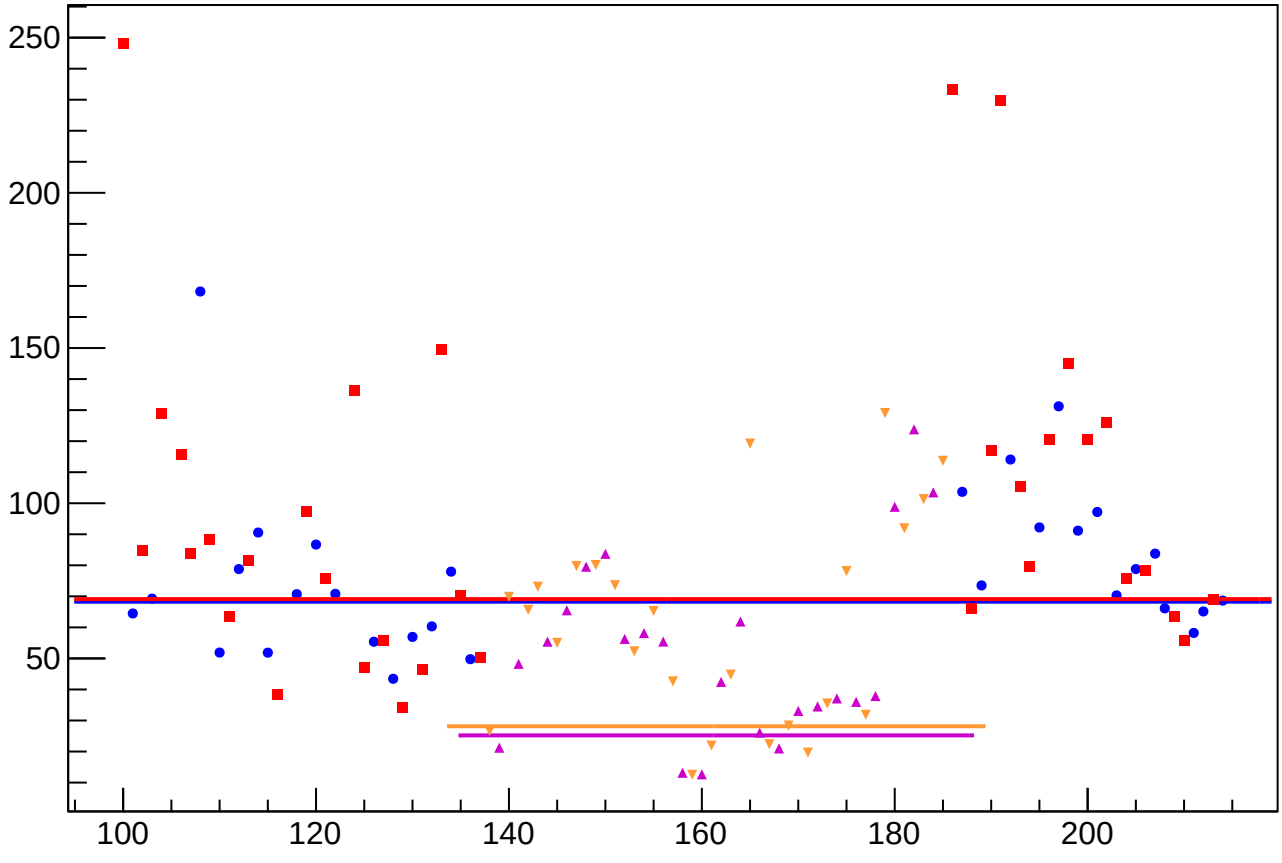
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.013+/-0.008 χ^2/NDF: 85.8/54

All: 0.013+/-0.005 χ^2/NDF: 139.1/111

- sign 0.014+/-0.007 χ^2/NDF: 53.3/56

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.293+/-0.013 χ^2/NDF: 2094878.0/29

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.108+/-0.013 χ^2/NDF: 4468380.0/33

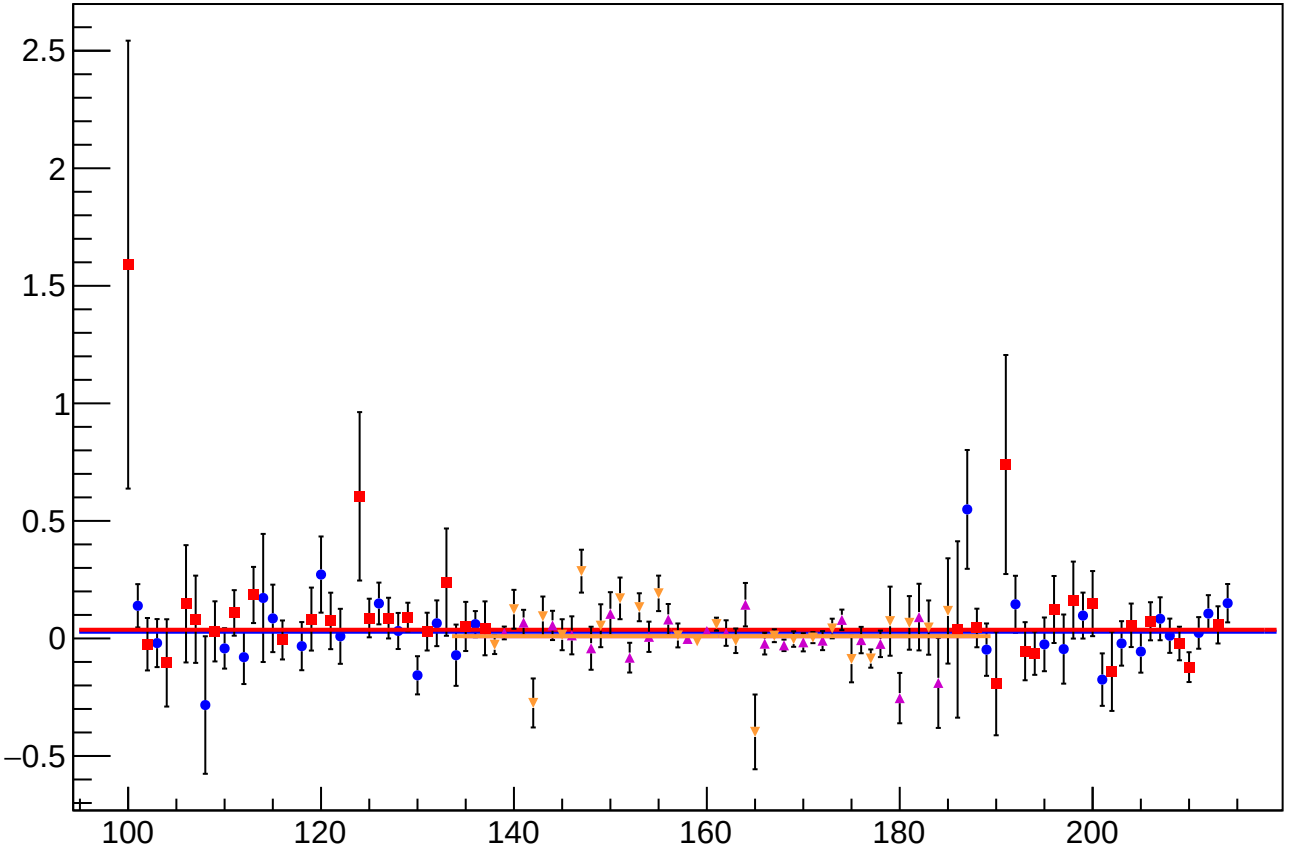
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 35.613+/-0.005 χ^2/NDF: 21543388.3/54

All: 33.782+/-0.004 χ^2/NDF: 45864387.2/11

\- sign 32.119+/-0.005 χ^2/NDF: 24101300.6/56

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.029+/-0.018 χ^2/NDF: 30.3/29

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.037+/-0.018 χ^2/NDF: 26.2/33

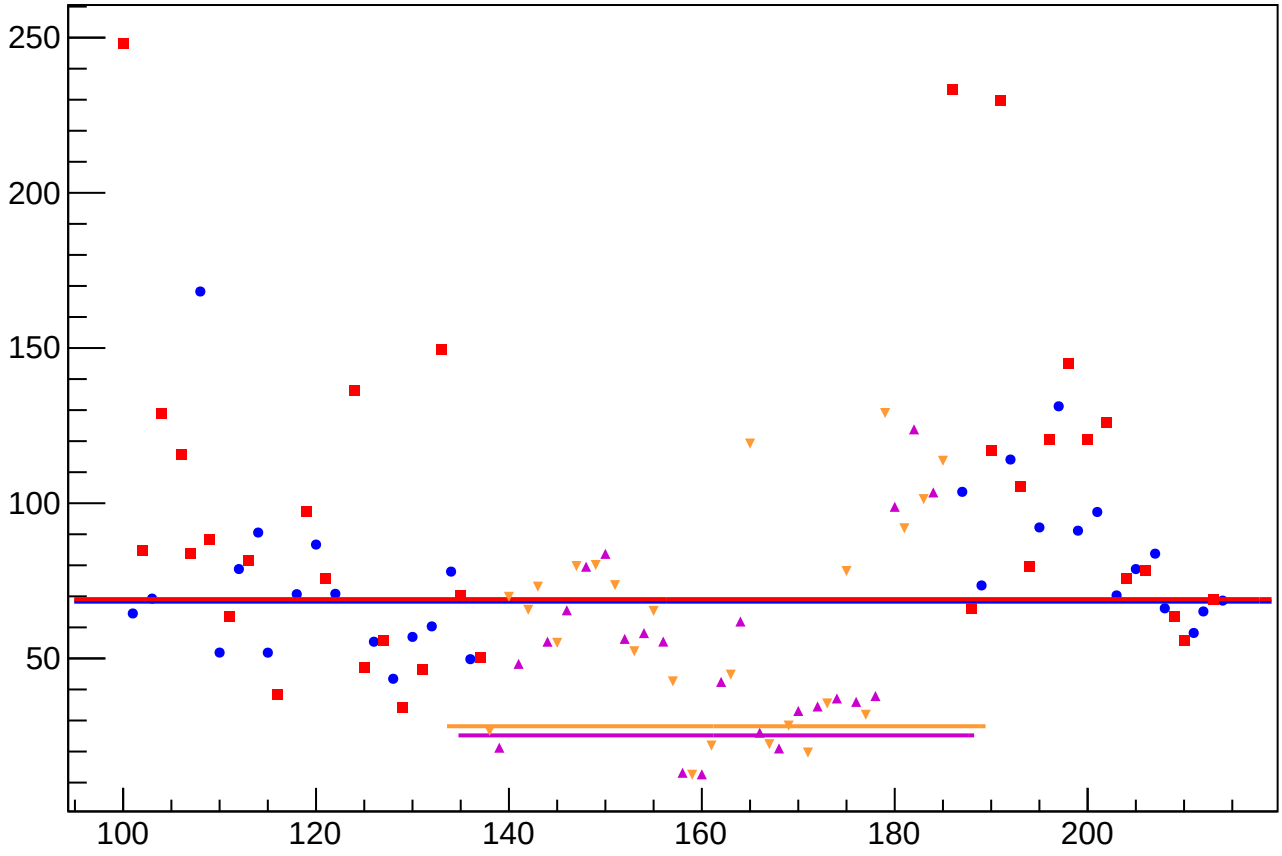
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.013+/-0.008 χ^2/NDF: 85.8/54

All: 0.013+/-0.005 χ^2/NDF: 139.1/111

- sign 0.014+/-0.007 χ^2/NDF: 53.3/56

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.293+/-0.013 χ^2/NDF: 2094878.0/29

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.108+/-0.013 χ^2/NDF: 4468380.0/33

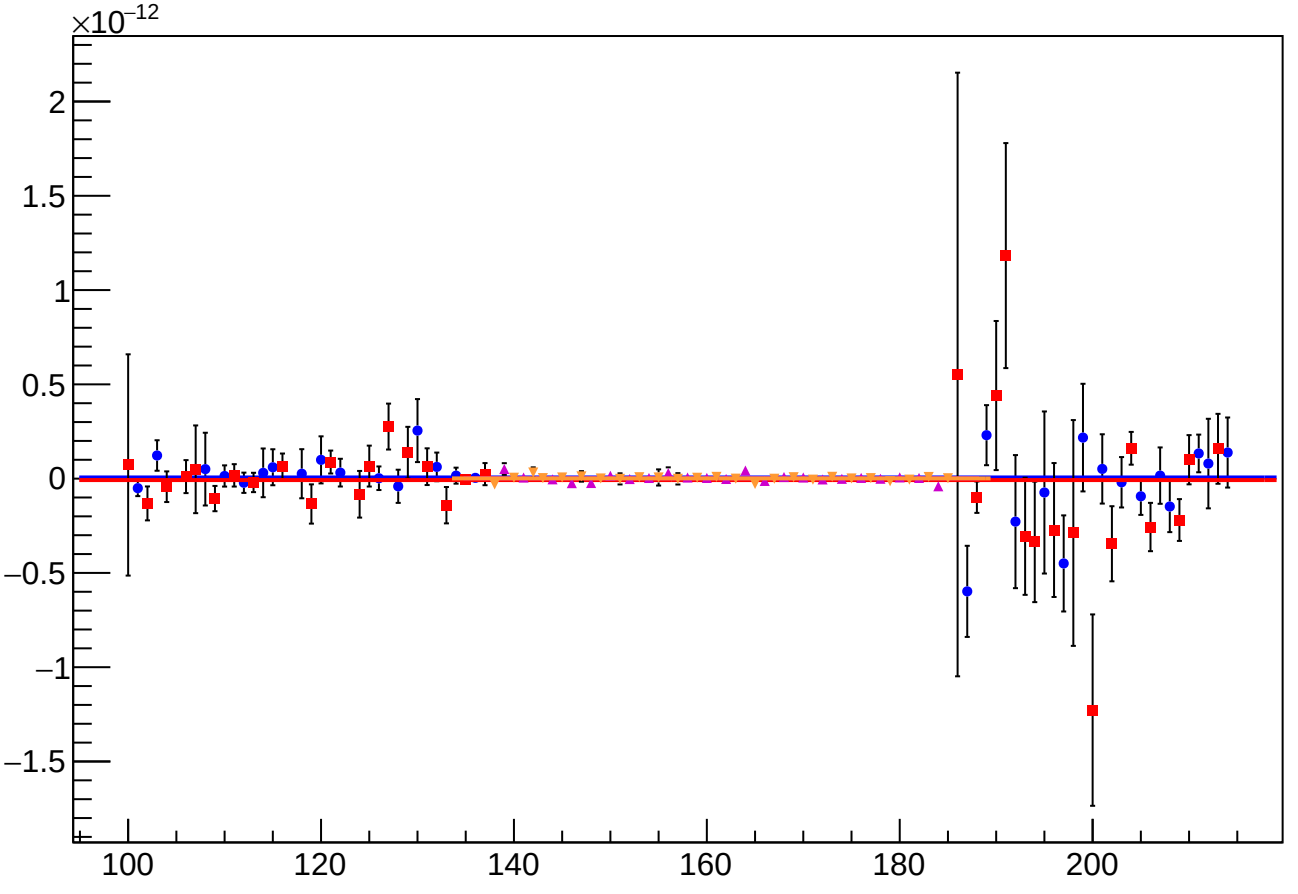
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

\+ sign 35.613+/-0.005 χ^2/NDF: 21543388.3/54

All: 33.782+/-0.004 χ^2/NDF: 45864387.2/11

\- sign 32.119+/-0.005 χ^2/NDF: 24101300.6/56

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

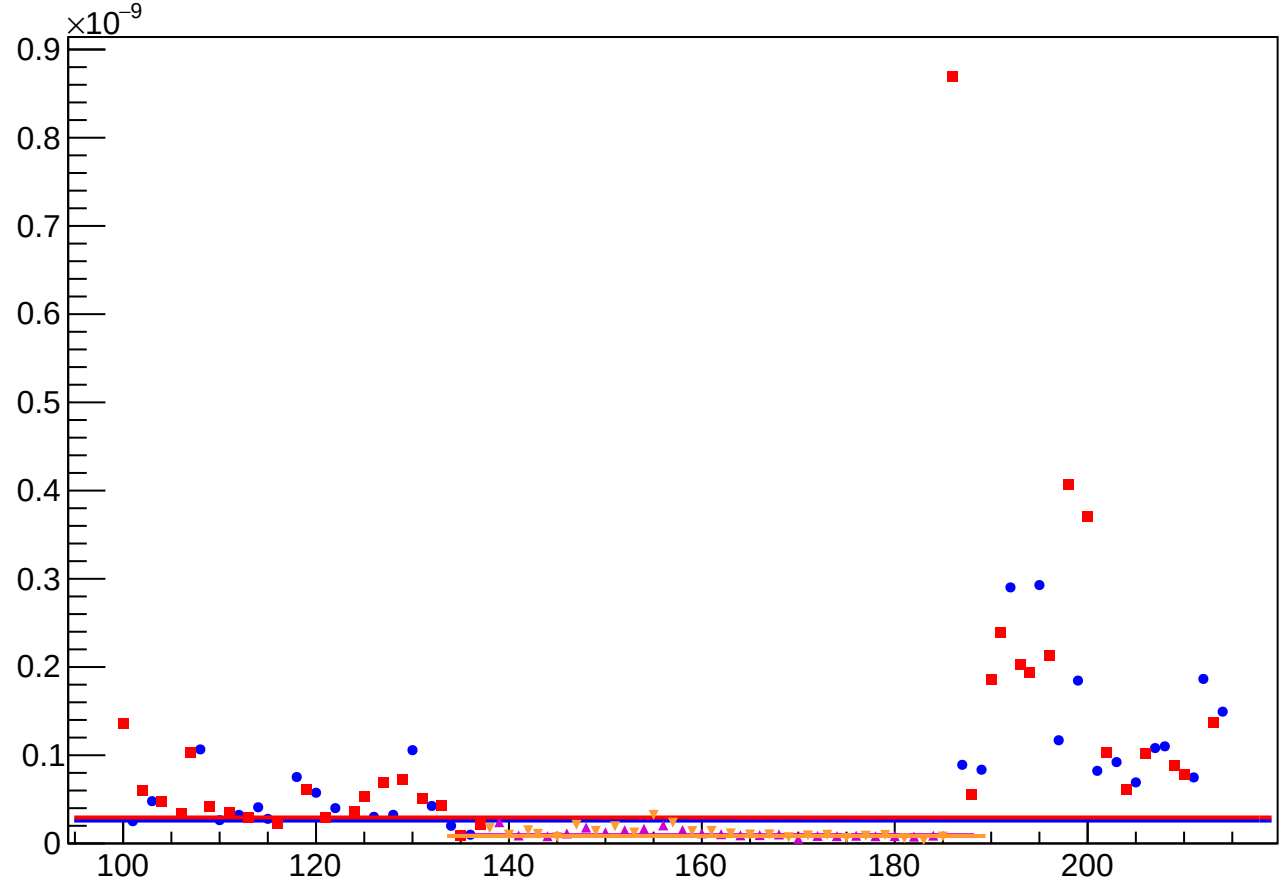
Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/33

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.9/54

All: 0.000+/-0.000 χ^2/NDF: 108.7/111

- sign 0.000+/-0.000 χ^2/NDF: 71.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 11462919.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11369043.1/33

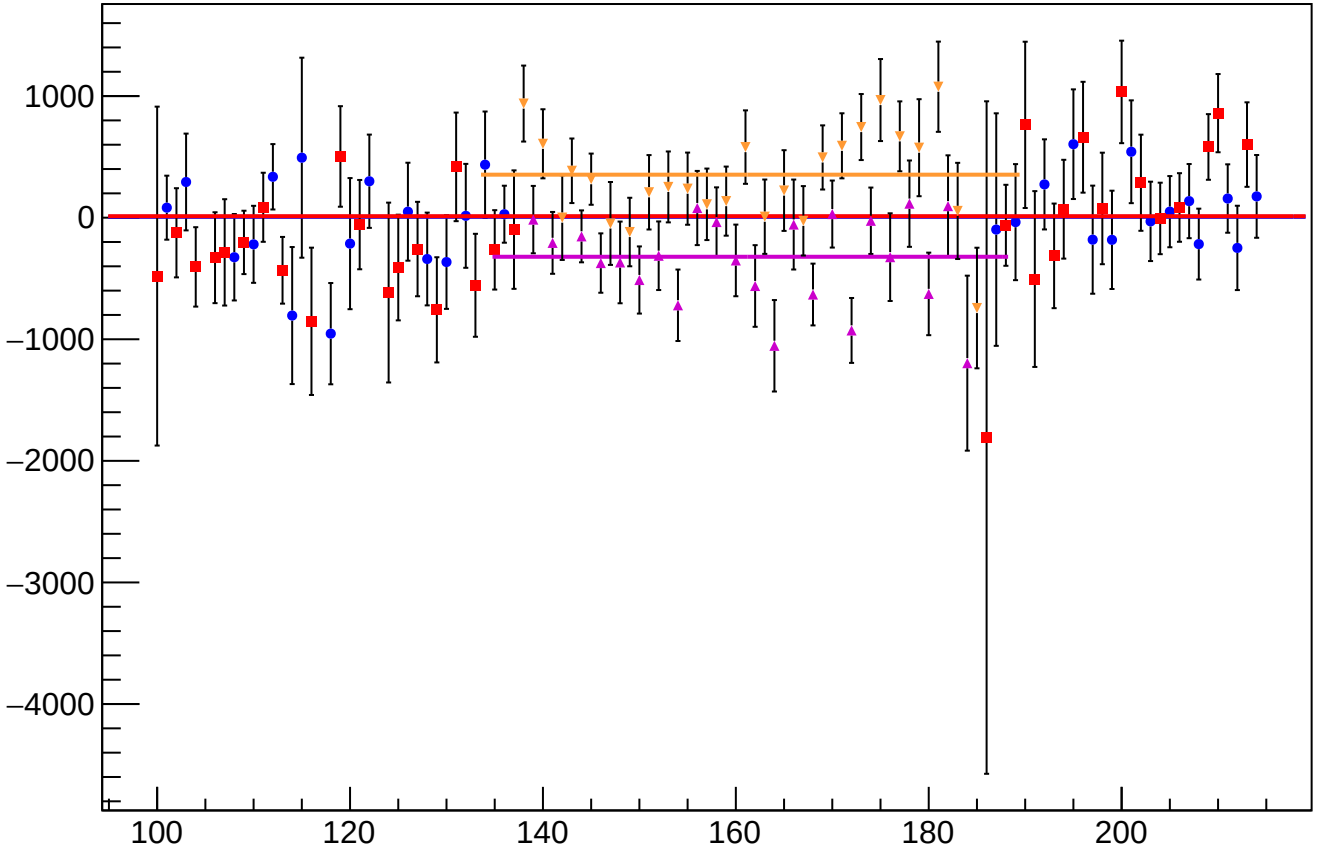
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20044676.2/54

All: 0.000+/-0.000 χ^2/NDF: 38308966.0/111

- sign 0.000+/-0.000 χ^2/NDF: 18129411.9/56

reg_asym_sam4_mean vs Slug



Right In: 7.155+/-66.025 χ^2/NDF: 20.9/29

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 12.005+/-65.728 χ^2/NDF: 44.3/33

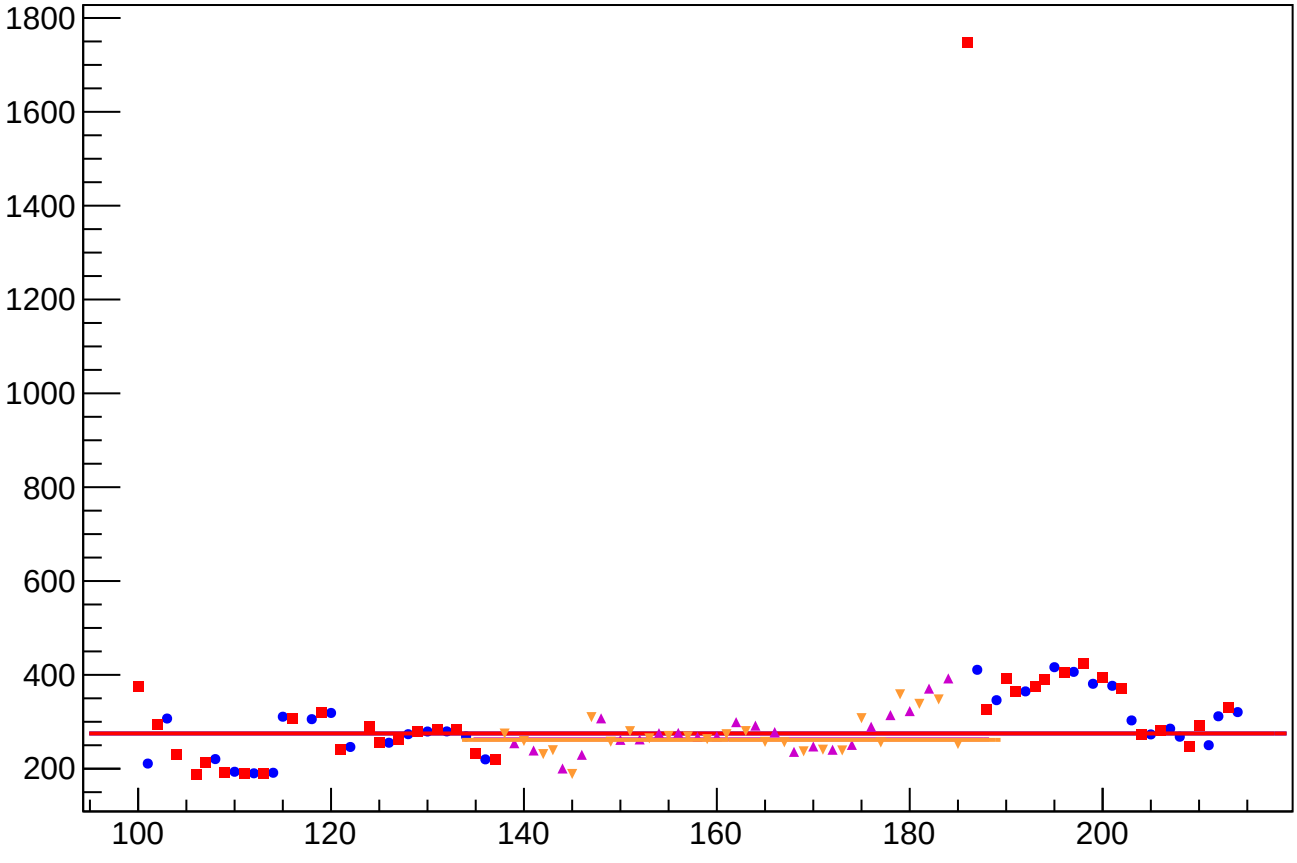
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 196.486+/-44.464 χ^2/NDF: 68.3/54

All: 18.893+/-31.679 χ^2/NDF: 184.8/111

- sign -164.176+/-45.145 χ^2/NDF: 84.1/56

reg_asym_sam4_rms vs Slug



Right In: 275.080+/-0.047 χ^2/NDF: 1627485.0/29

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.135+/-0.046 χ^2/NDF: 2599161.7/33

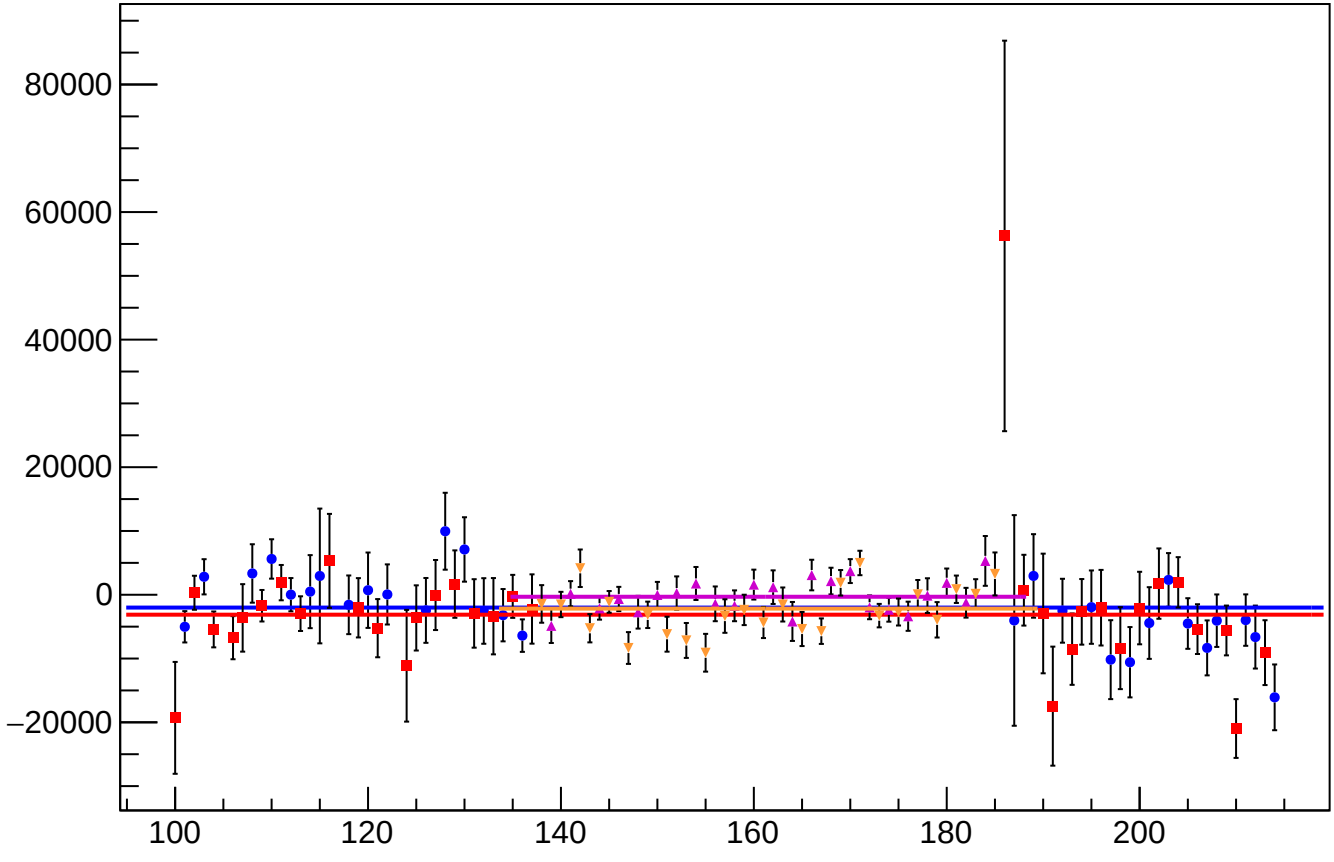
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 267.642+/-0.031 χ^2/NDF: 2389397.3/54

All: 268.075+/-0.022 χ^2/NDF: 5697913.8/11

- sign 268.522+/-0.032 χ^2/NDF: 3308131.6/56

asym_sam4_reg_correction_mean vs Slug



Right In: -2009.271+/-772.684 χ^2/NDF: 41.1/29

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -3124.033+/-750.636 χ^2/NDF: 42.7/33

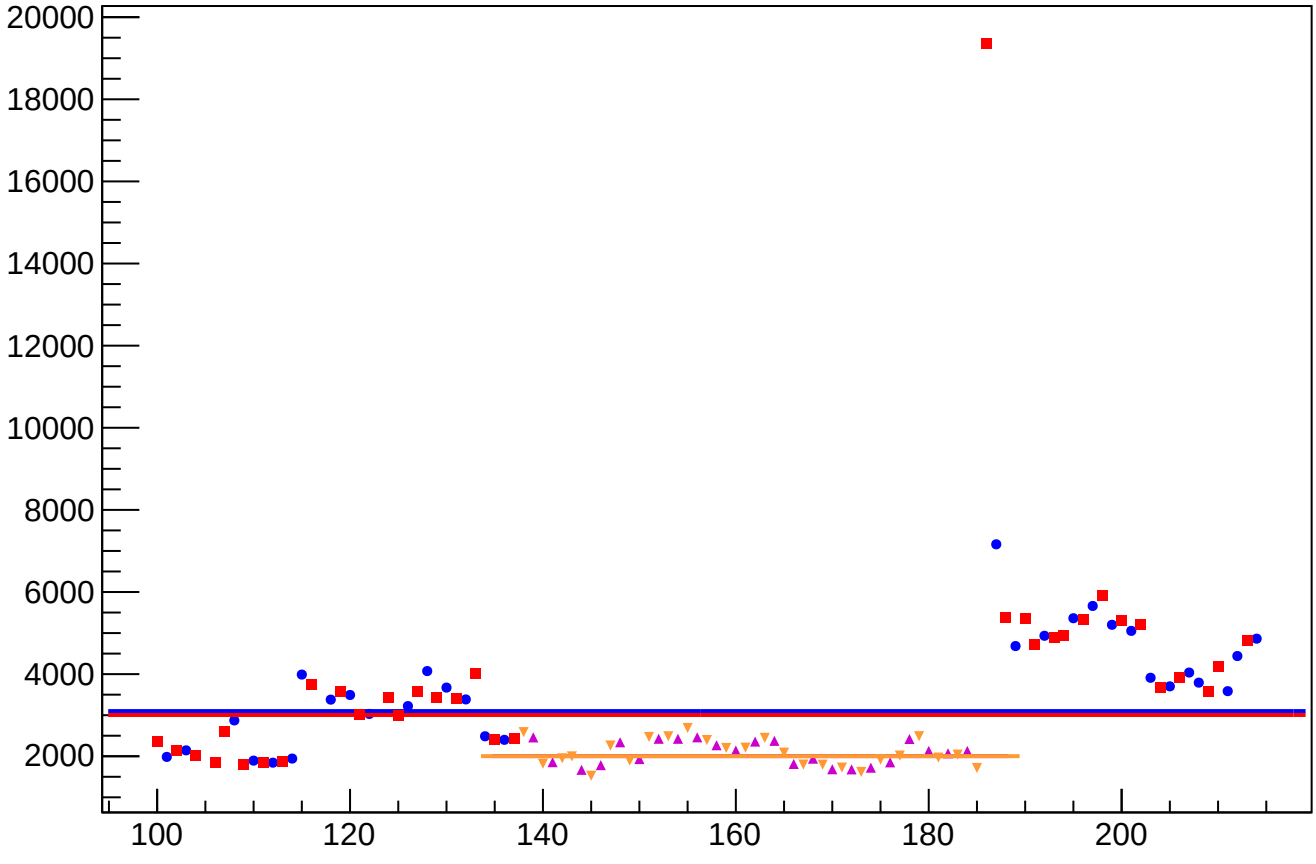
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2129.075+/-396.304 χ^2/NDF: 96.6/54

All: -1627.845+/-281.817 χ^2/NDF: 176.2/111

- sign -1115.090+/-400.834 χ^2/NDF: 76.3/56

asym_sam4_reg_correction_rms vs Slug



Right In: 3099.827+/-0.546 χ^2/NDF: 4194308.0/29

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3005.347+/-0.531 χ^2/NDF: 5741483.5/33

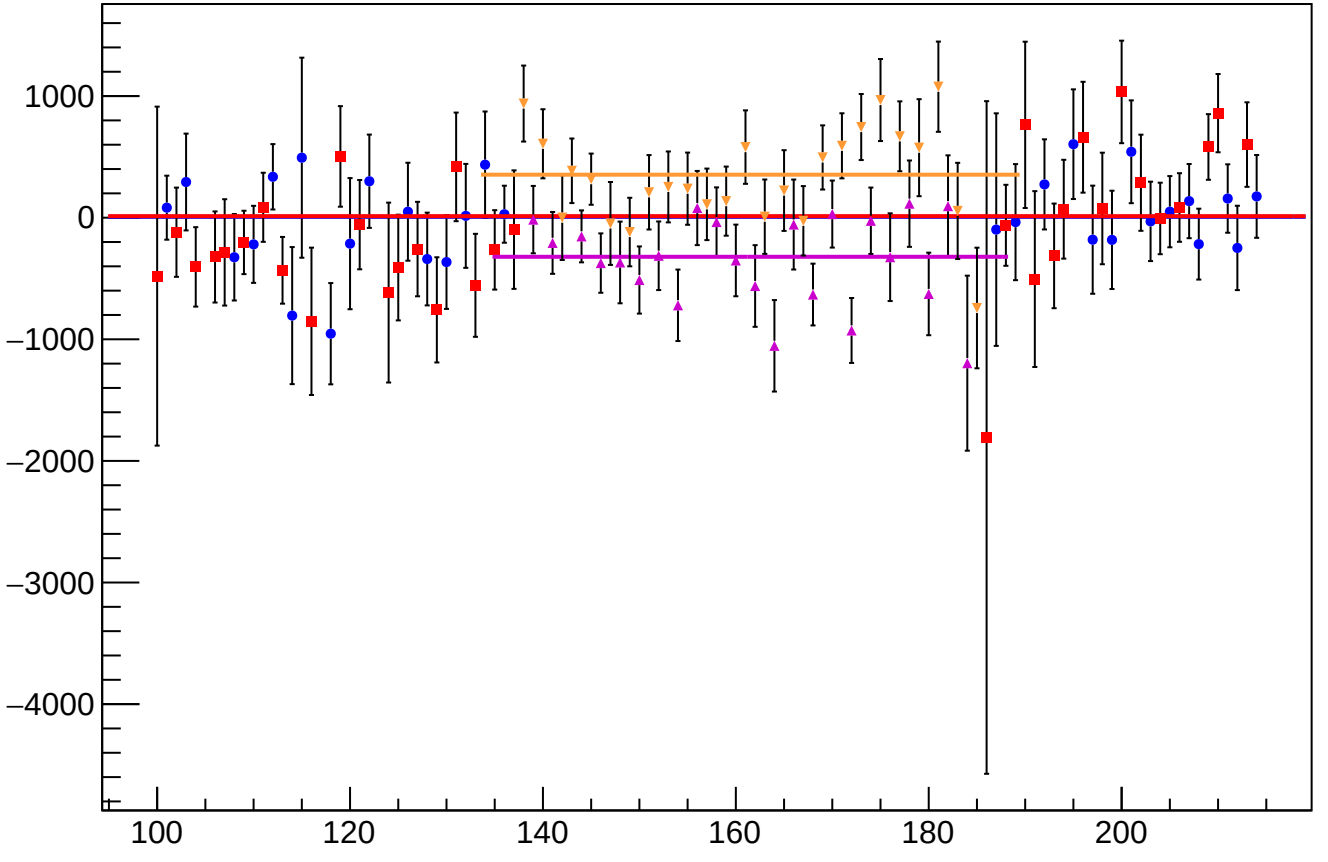
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2290.962+/-0.280 χ^2/NDF: 8061047.4/54

All: 2290.341+/-0.199 χ^2/NDF: 17050451.3/1

- sign 2289.707+/-0.283 χ^2/NDF: 8989394.0/56

cor_asym_sam4_mean vs Slug



Right In: 7.143+/-66.025 χ^2/NDF: 20.9/29

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 12.395+/-65.734 χ^2/NDF: 44.3/33

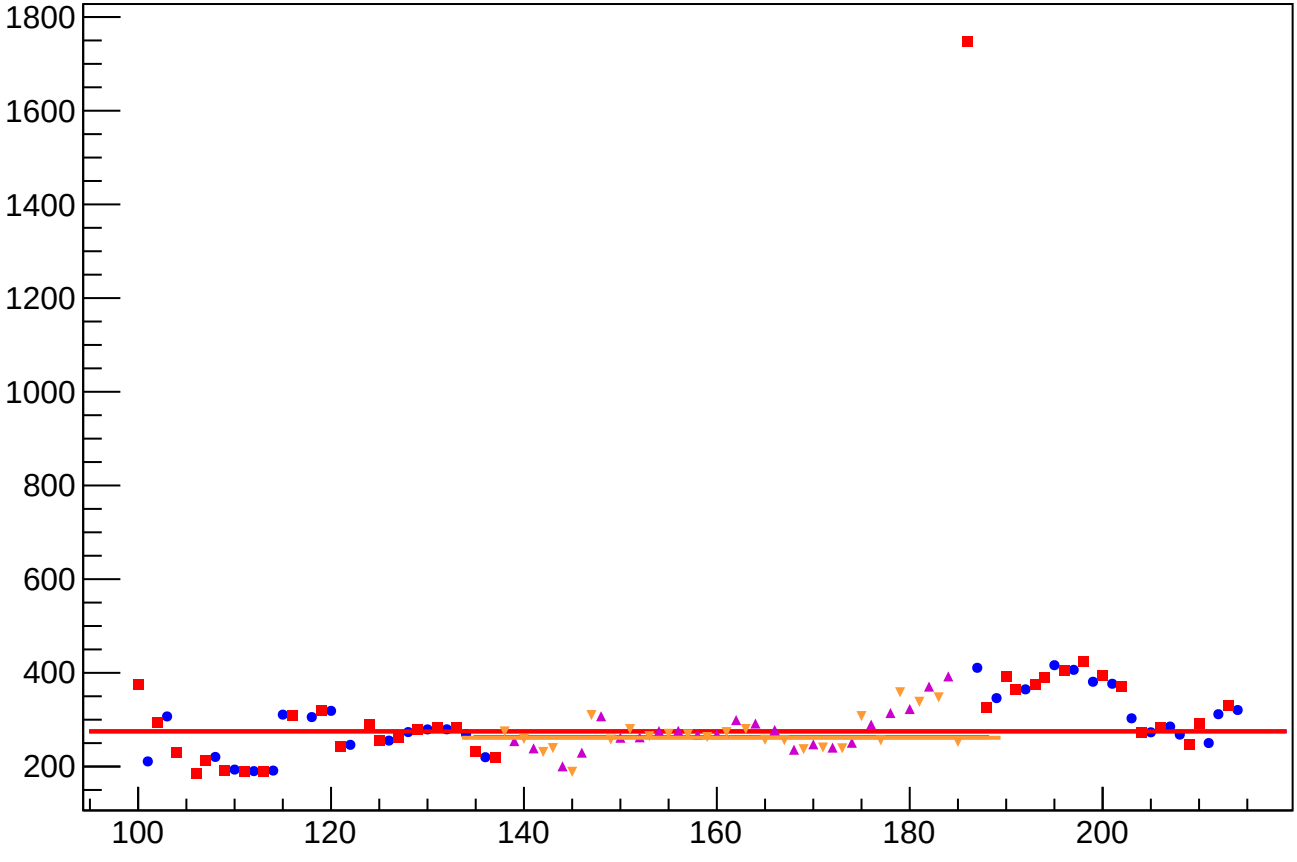
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 196.493+/-44.464 χ^2/NDF: 68.3/54

All: 18.986+/-31.679 χ^2/NDF: 184.8/111

- sign -164.009+/-45.146 χ^2/NDF: 84.1/56

cor_asym_sam4_rms vs Slug



Right In: 275.080+/-0.047 χ^2/NDF: 1627486.3/29

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF: 2605092.6/33

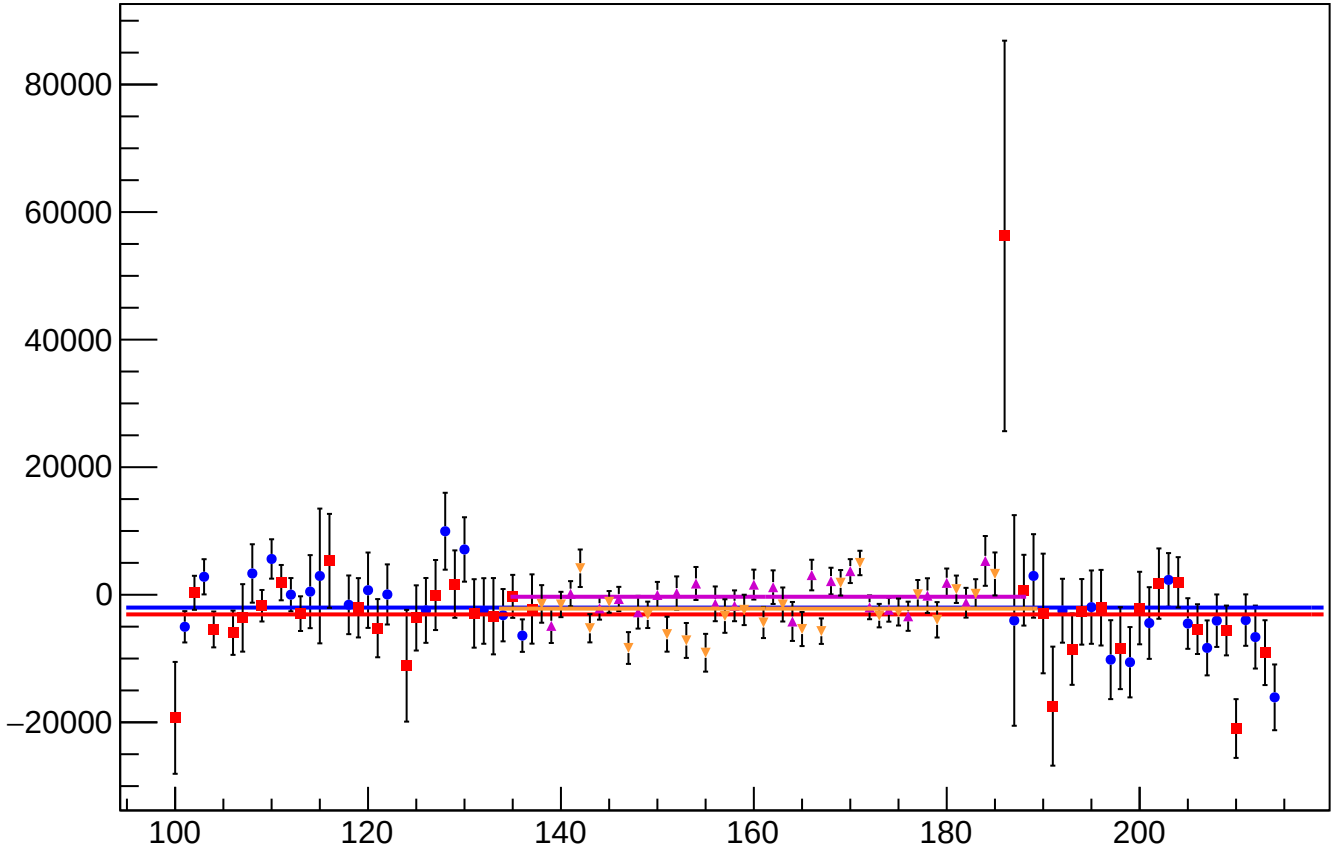
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 267.643+/-0.031 χ^2/NDF: 2389398.9/54

All: 268.061+/-0.022 χ^2/NDF: 5703445.1/111

- sign 268.492+/-0.032 χ^2/NDF: 3313686.5/56

asym_sam4_cor_correction_mean vs Slug



Right In: -2009.396+/-772.688 χ^2/NDF: 41.1/29

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3079.155+/-751.636 χ^2/NDF: 42.2/33

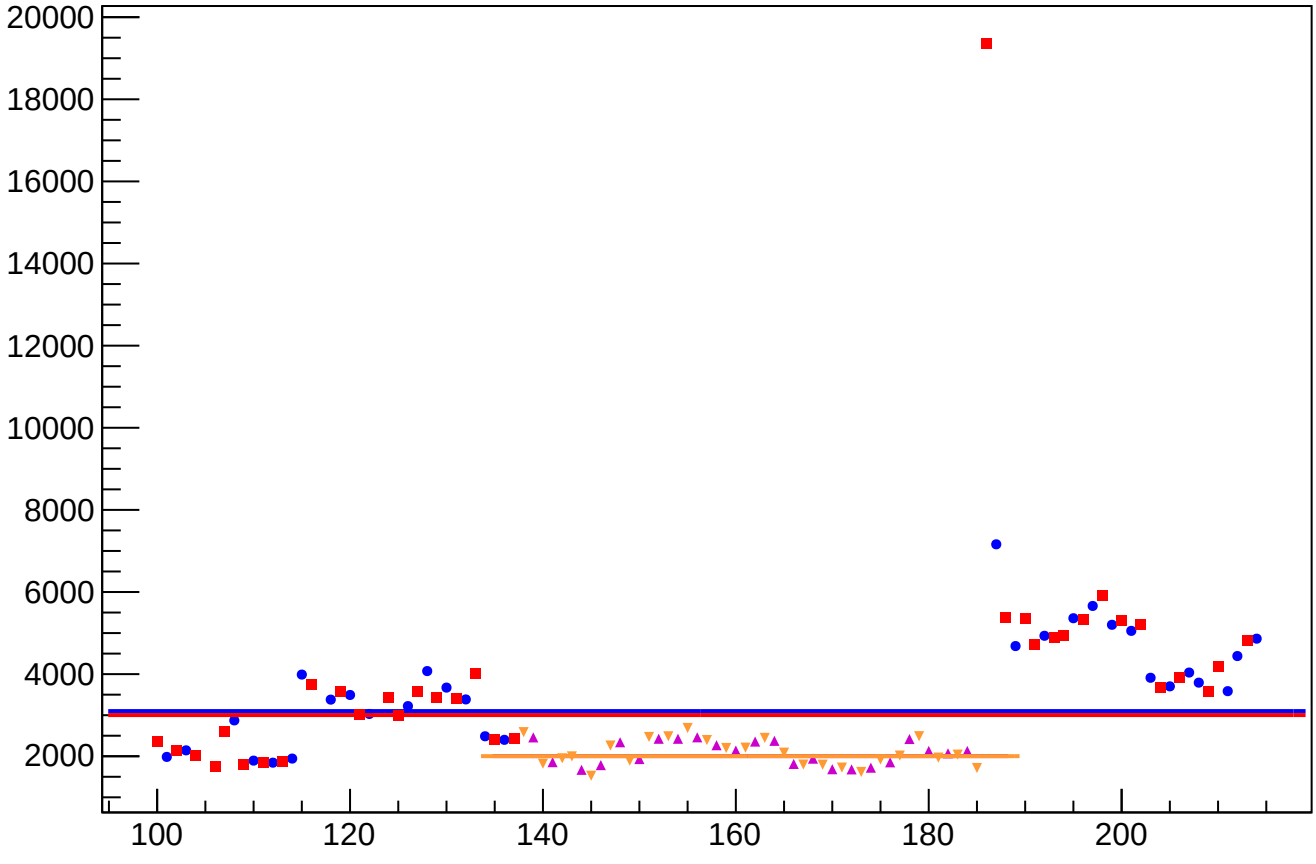
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2129.087+/-396.304 χ^2/NDF: 96.6/54

All: -1620.981+/-281.870 χ^2/NDF: 175.5/111

- sign -1100.798+/-400.986 χ^2/NDF: 75.5/56

asym_sam4_cor_correction_rms vs Slug



Right In: 3099.851+/-0.546 χ^2/NDF: 4194191.6/29

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3003.233+/-0.531 χ^2/NDF: 5773412.4/33

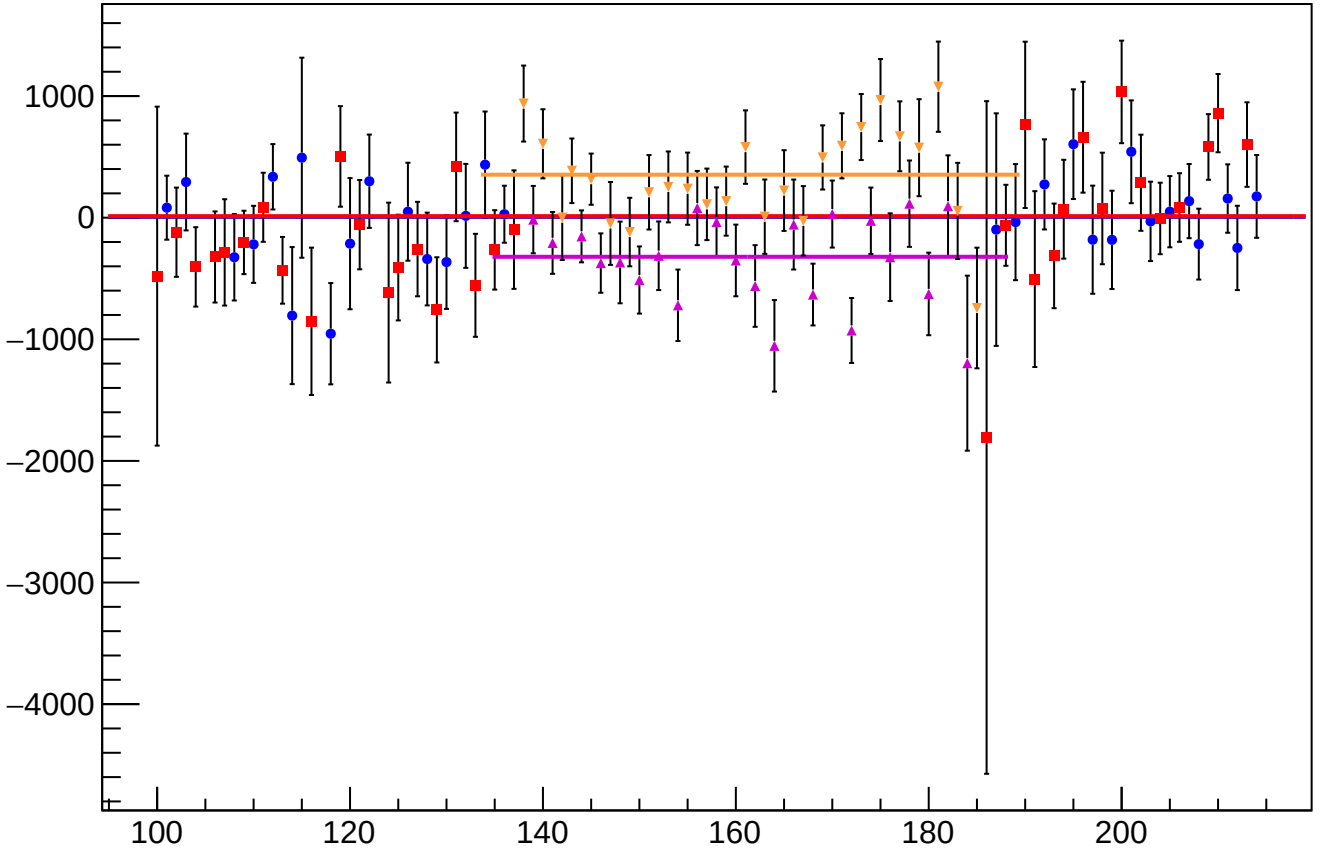
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2290.965+/-0.280 χ^2/NDF: 8061034.5/54

All: 2289.778+/-0.199 χ^2/NDF: 17066845.8/1

- sign 2288.563+/-0.284 χ^2/NDF: 9005775.0/56

eigen_cor_asym_sam4_mean vs Slug



Right In: 7.143+/-66.025 χ^2/NDF: 20.9/29

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 12.395+/-65.734 χ^2/NDF: 44.3/33

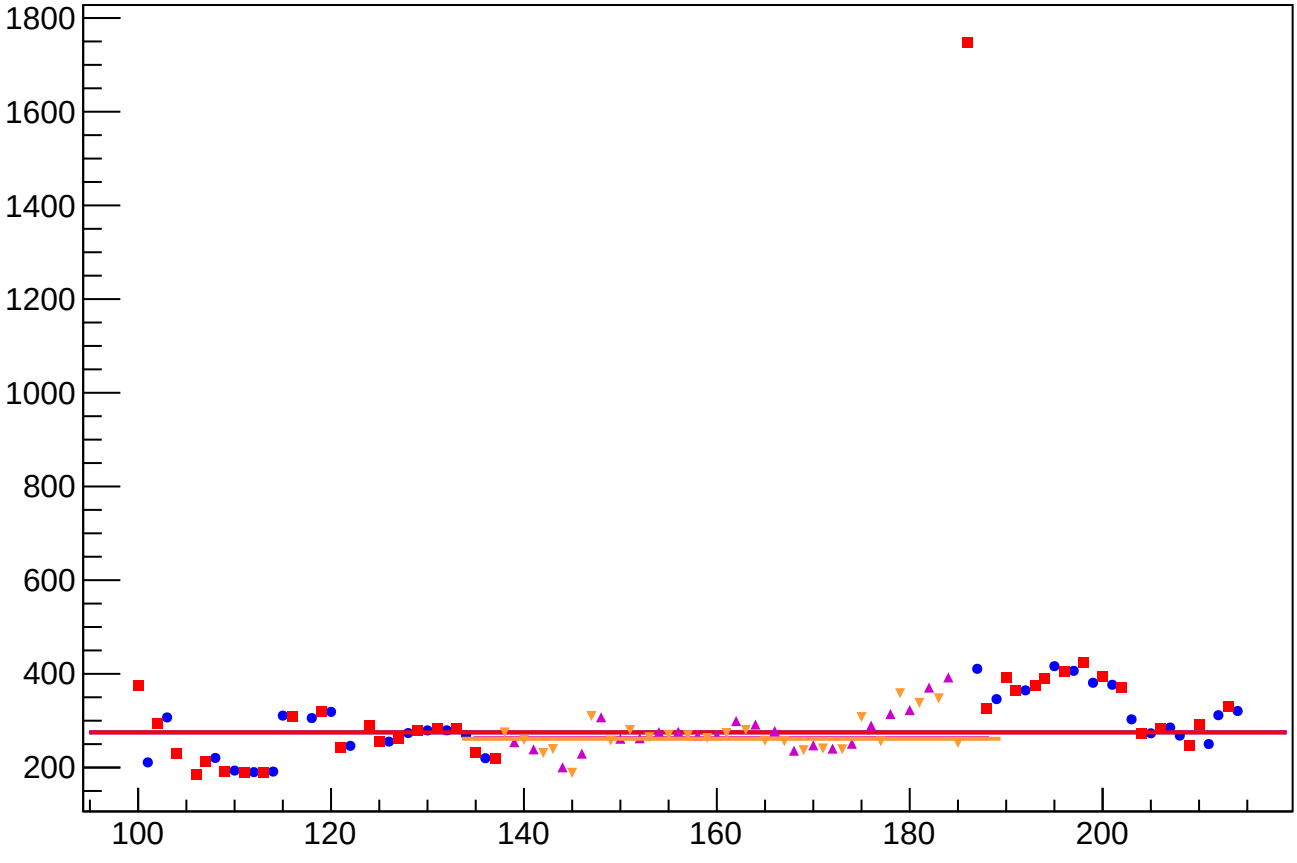
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 196.493+/-44.464 χ^2/NDF: 68.3/54

All: 18.986+/-31.679 χ^2/NDF: 184.8/111

- sign -164.009+/-45.146 χ^2/NDF: 84.1/56

eigen_cor_asym_sam4_rms vs Slug



Right In: 275.080+/-0.047 χ^2/NDF: 1627486.3/29

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 275.074+/-0.046 χ^2/NDF: 2605092.6/33

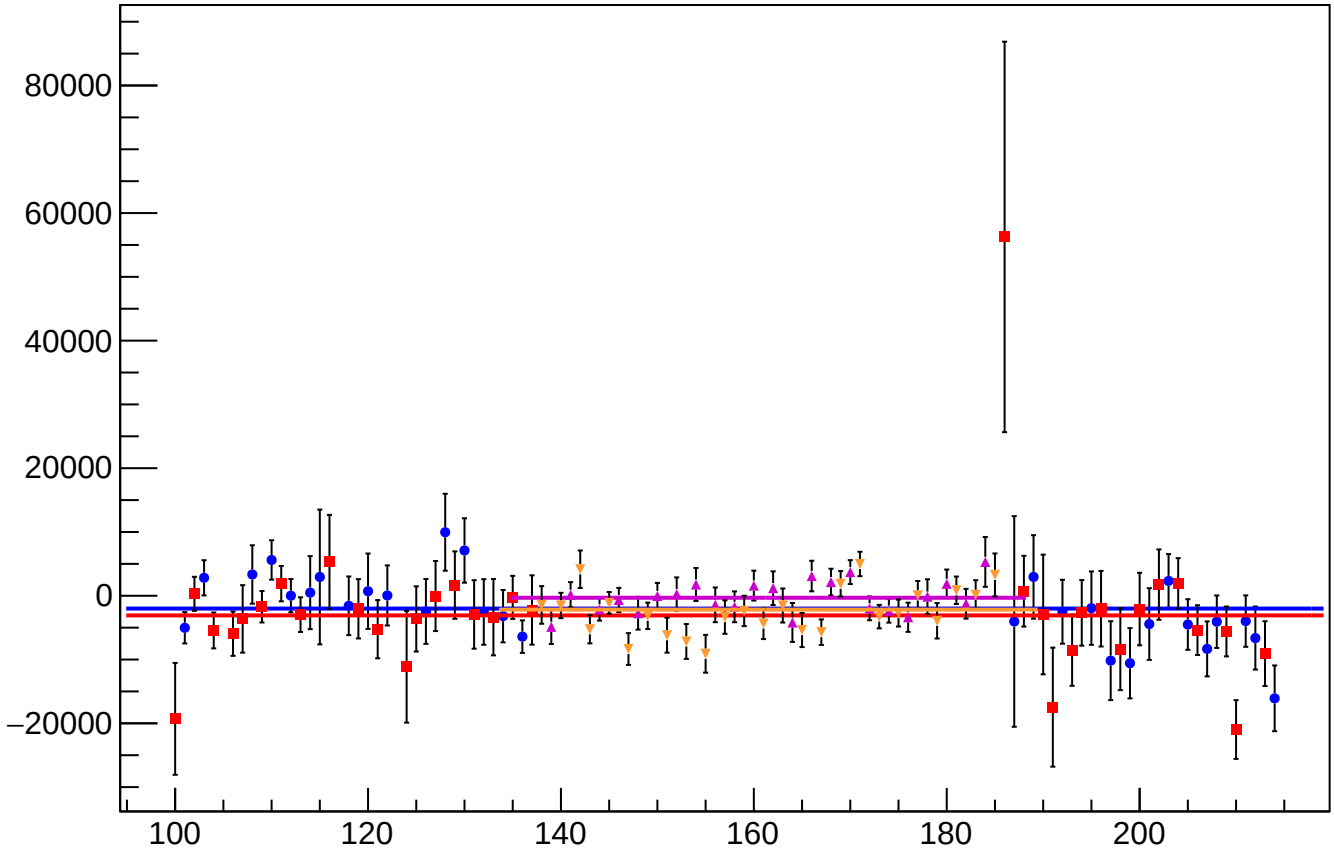
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 267.643+/-0.031 χ^2/NDF: 2389398.9/54

All: 268.061+/-0.022 χ^2/NDF: 5703445.1/111

- sign 268.492+/-0.032 χ^2/NDF: 3313686.5/56

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2009.396+/-772.688 χ^2/NDF: 41.1/29

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -3079.155+/-751.636 χ^2/NDF: 42.2/33

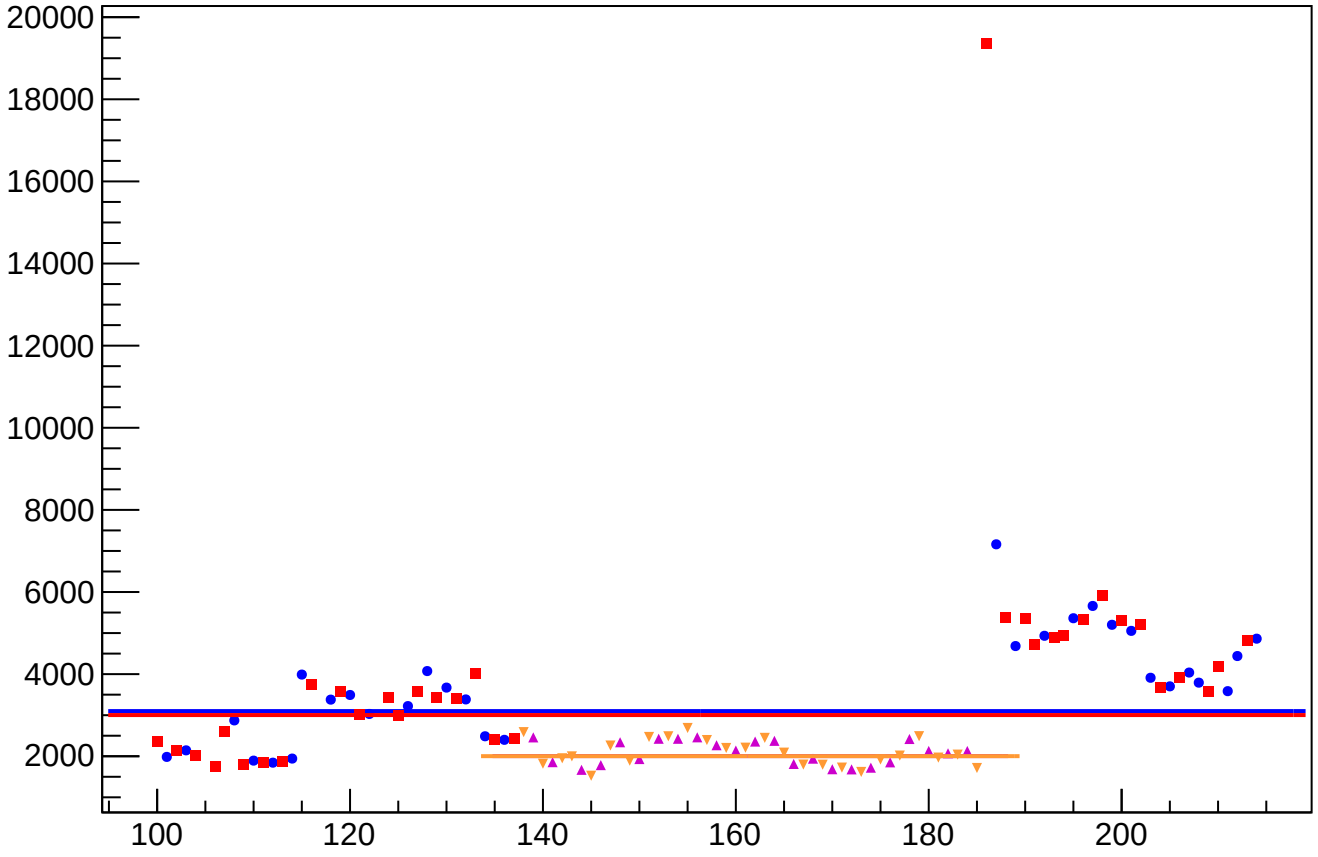
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2129.087+/-396.304 χ^2/NDF: 96.6/54

All: -1620.981+/-281.870 χ^2/NDF: 175.5/111

- sign -1100.798+/-400.986 χ^2/NDF: 75.5/56

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3099.851+/-0.546 χ^2/NDF: 4194191.6/29

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3003.233+/-0.531 χ^2/NDF: 5773412.4/33

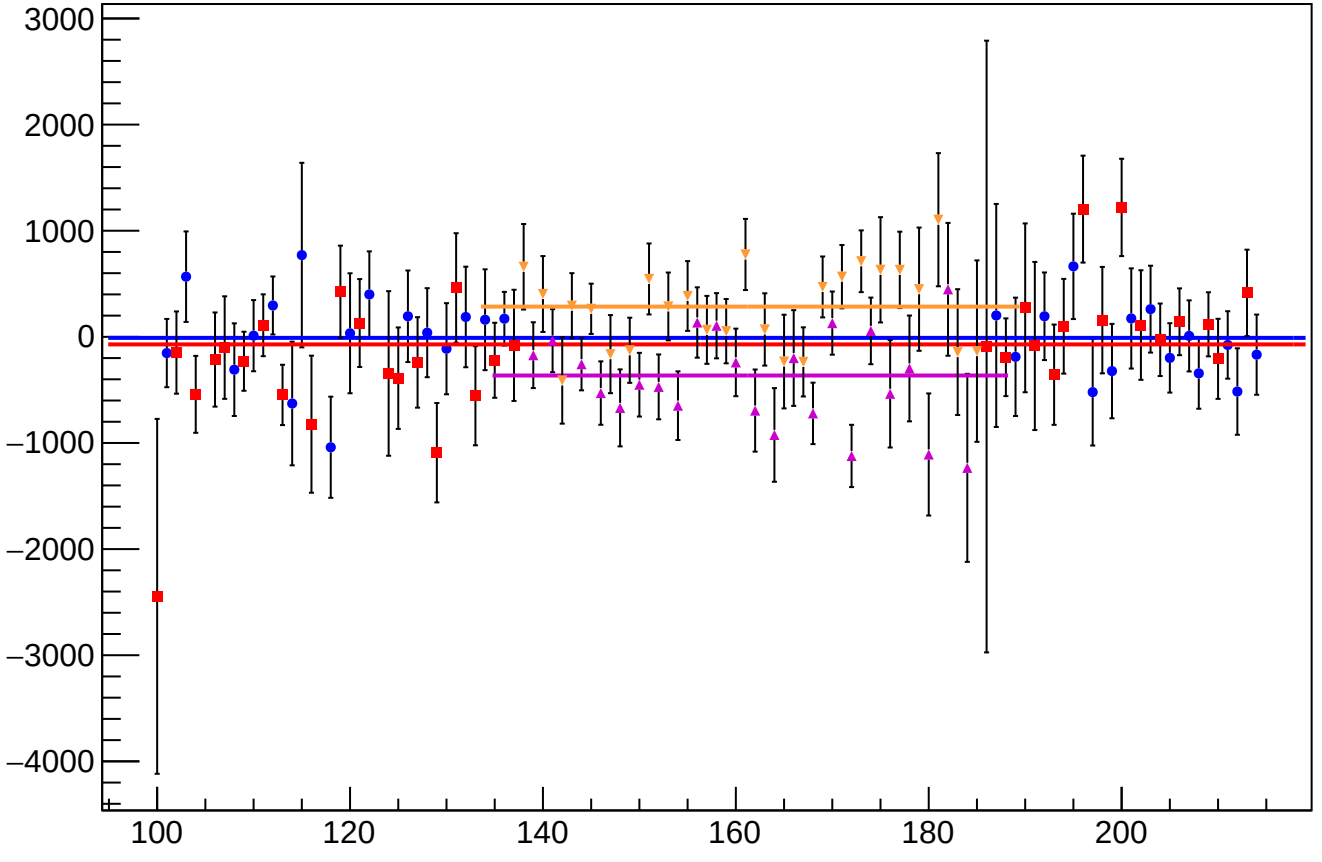
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2290.965+/-0.280 χ^2/NDF: 8061034.5/54

All: 2289.778+/-0.199 χ^2/NDF: 17066845.8/1

- sign 2288.563+/-0.284 χ^2/NDF: 9005775.0/56

dit_asym_sam4_mean vs Slug



Right In: -9.589+/-73.467 χ^2/NDF: 19.9/29

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -71.187+/-72.545 χ^2/NDF: 35.9/33

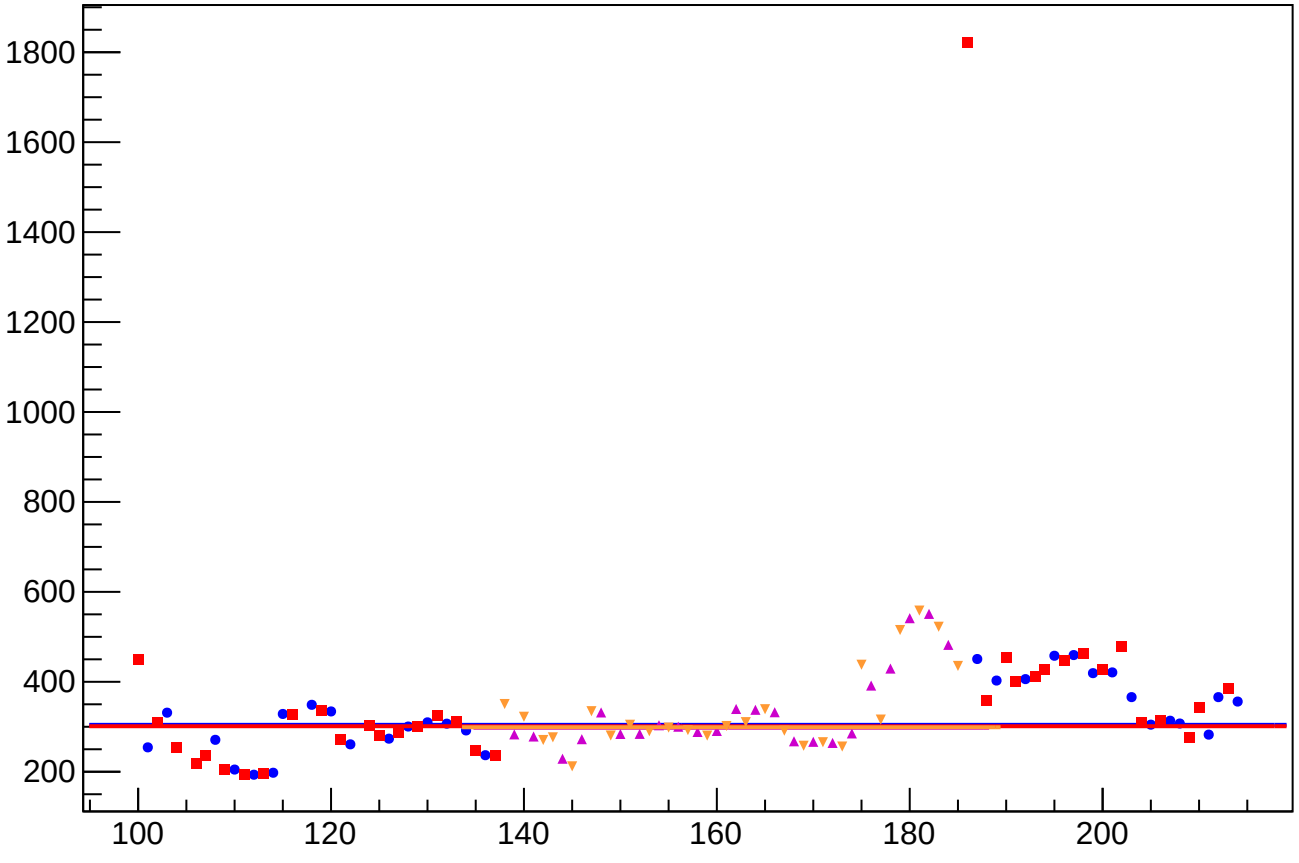
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 144.699+/-50.693 χ^2/NDF: 51.2/54

All: -36.230+/-35.954 χ^2/NDF: 149.2/111

- sign -219.364+/-51.001 χ^2/NDF: 72.4/56

dit_asym_sam4_rms vs Slug



Right In: 304.287+/-0.052 χ^2/NDF: 1841973.3/29

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 301.226+/-0.051 χ^2/NDF: 2934621.0/33

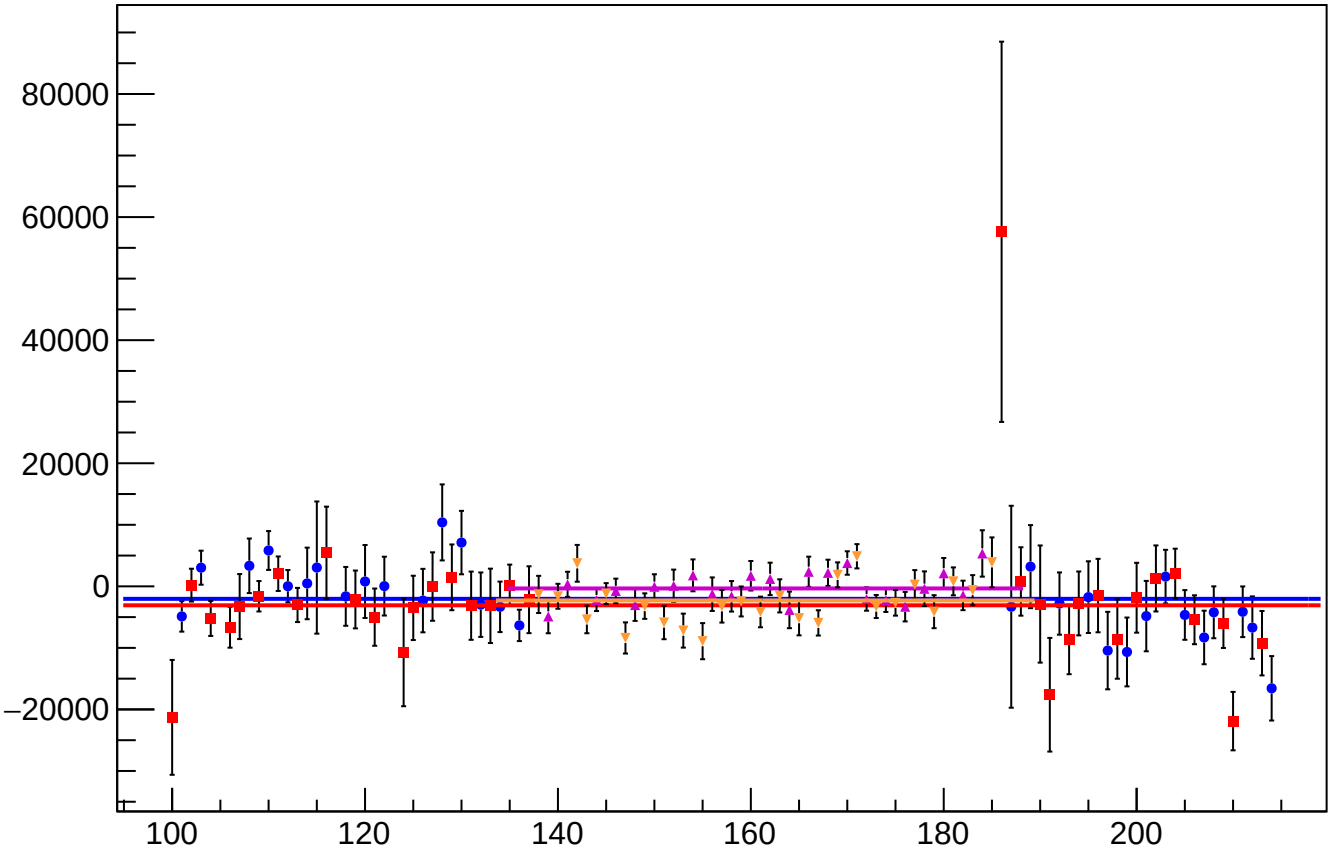
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 301.485+/-0.036 χ^2/NDF: 3460605.2/54

All: 300.516+/-0.025 χ^2/NDF: 7717901.6/11

- sign 299.536+/-0.036 χ^2/NDF: 4255828.2/56

asym_sam4_dit_correction_mean vs Slug



Right In: -2030.276+/-781.888 χ^2/NDF: 41.3/29

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -3081.219+/-757.501 χ^2/NDF: 43.9/33

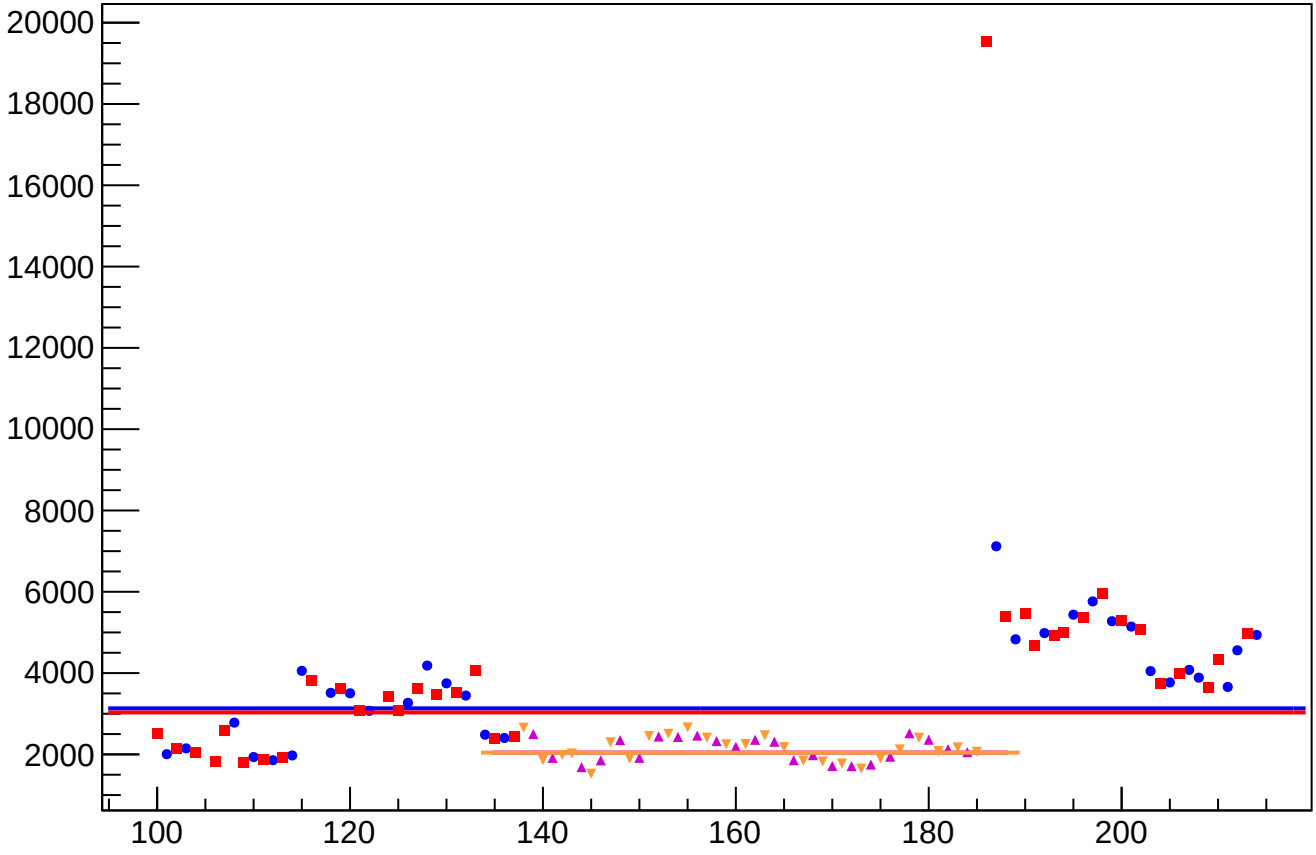
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2221.679+/-403.150 χ^2/NDF: 93.1/54

All: -1684.628+/-286.637 χ^2/NDF: 172.7/111

- sign -1135.605+/-407.619 χ^2/NDF: 76.0/56

asym_sam4_dit_correction_rms vs Slug



Right In: 3132.526+/-0.553 χ^2/NDF: 4307511.2/29

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3031.792+/-0.536 χ^2/NDF: 5778521.9/33

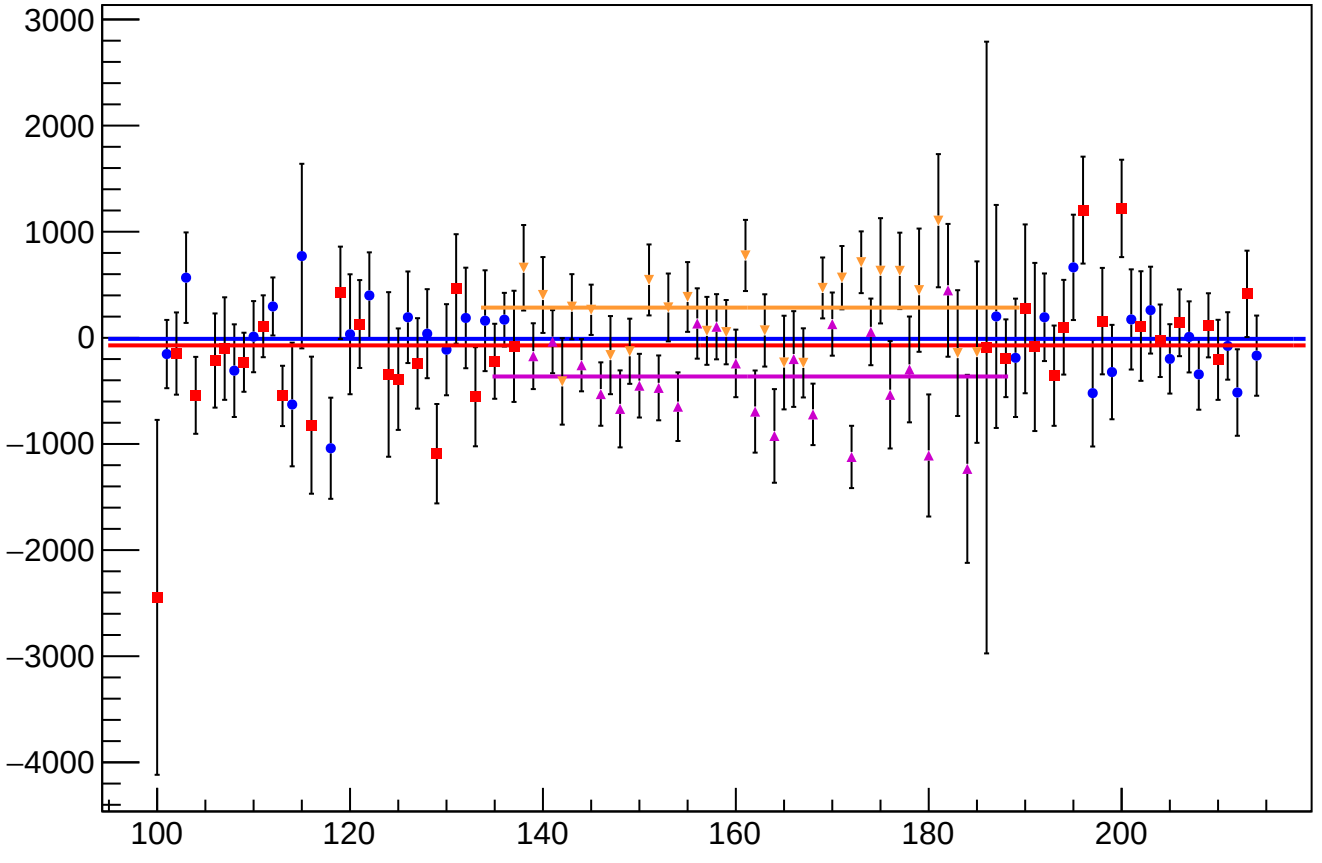
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2333.203+/-0.285 χ^2/NDF: 8008006.7/54

All: 2332.046+/-0.203 χ^2/NDF: 16887152.9/1

- sign 2330.864+/-0.288 χ^2/NDF: 8879112.9/56

eigen_dit_asym_sam4_mean vs Slug



Right In: -9.584+/-73.467 χ^2/NDF: 19.9/29

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -71.184+/-72.545 χ^2/NDF: 35.9/33

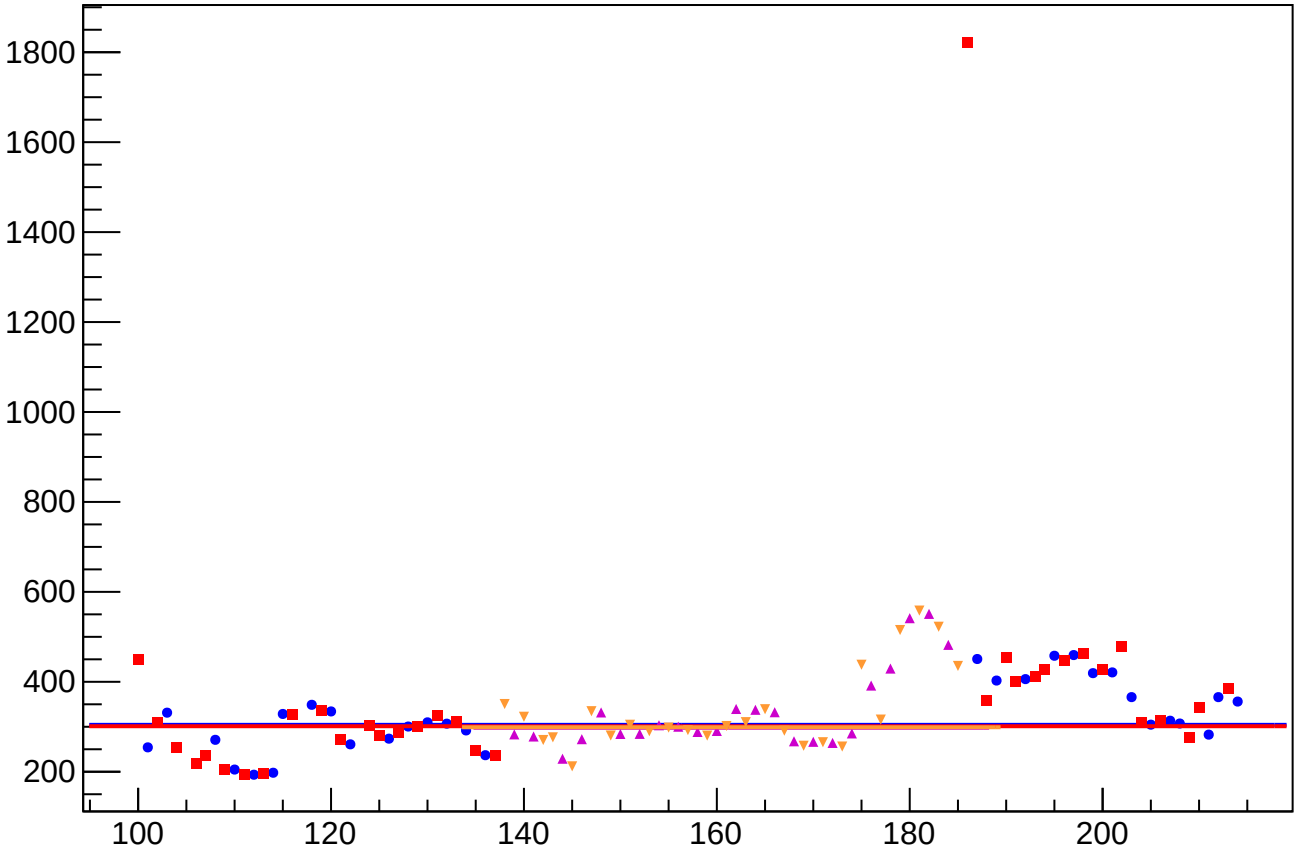
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 144.704+/-50.693 χ^2/NDF: 51.2/54

All: -36.227+/-35.954 χ^2/NDF: 149.2/111

- sign -219.363+/-51.001 χ^2/NDF: 72.4/56

eigen_dit_asym_sam4_rms vs Slug



Right In: 304.287+/-0.052 χ^2/NDF: 1841957.2/29

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 301.226+/-0.051 χ^2/NDF: 2934623.3/33

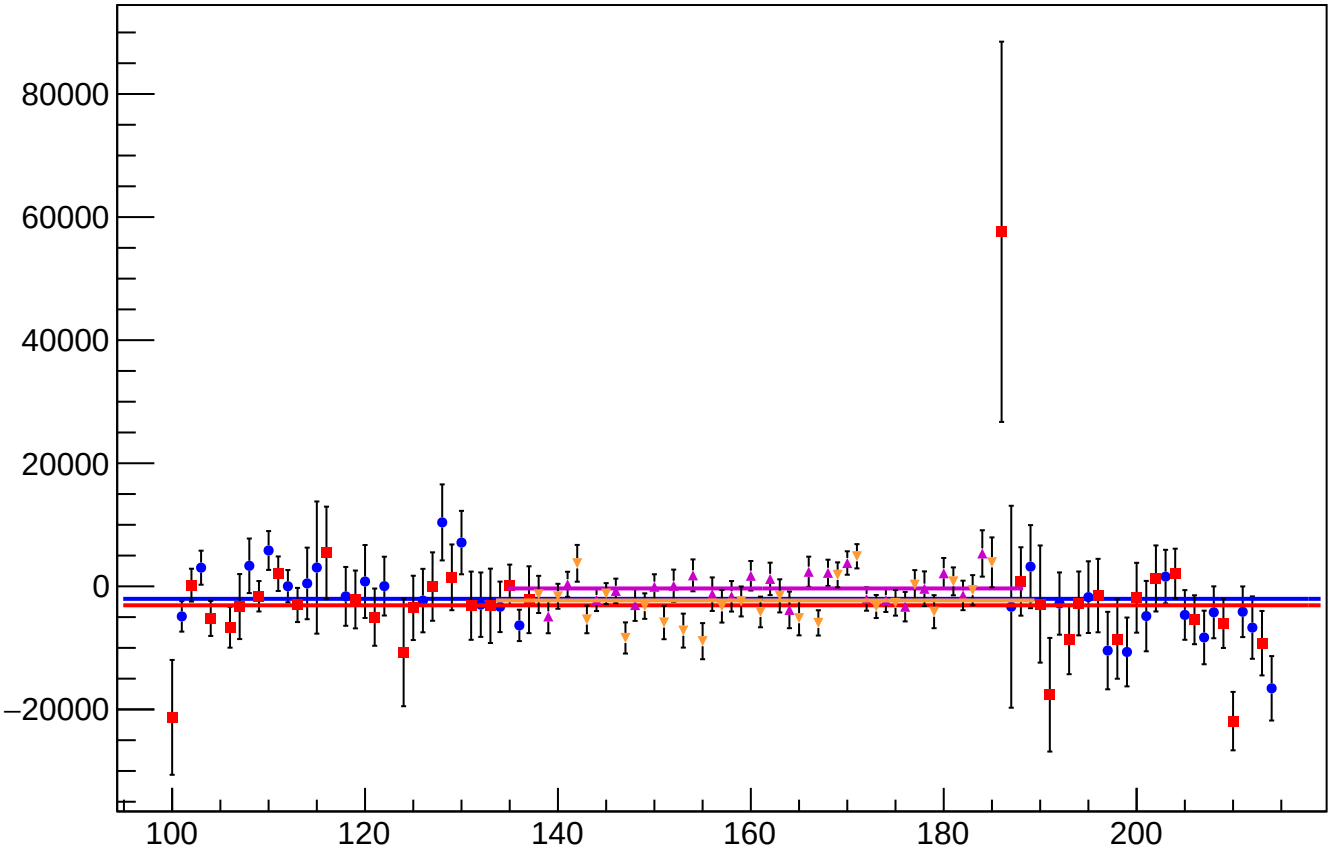
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 301.485+/-0.036 χ^2/NDF: 3460585.7/54

All: 300.517+/-0.025 χ^2/NDF: 7717865.8/111

- sign 299.537+/-0.036 χ^2/NDF: 4255811.9/56

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2030.273+/-781.887 χ^2/NDF: 41.3/29

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -3081.215+/-757.501 χ^2/NDF: 43.9/33

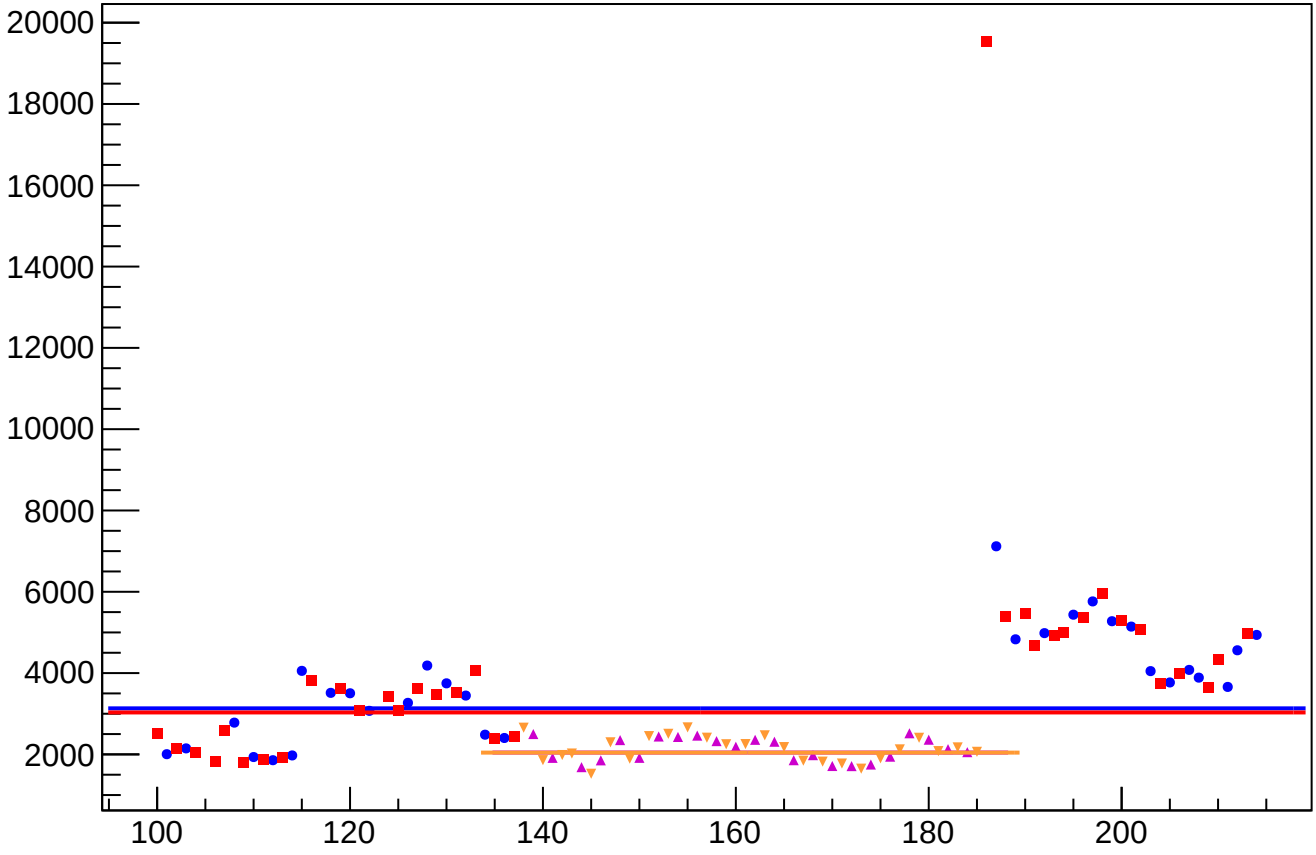
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2221.674+/-403.150 χ^2/NDF: 93.1/54

All: -1684.624+/-286.637 χ^2/NDF: 172.7/111

- sign -1135.601+/-407.618 χ^2/NDF: 76.0/56

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3132.524+/-0.553 χ^2/NDF: 4307510.1/29

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

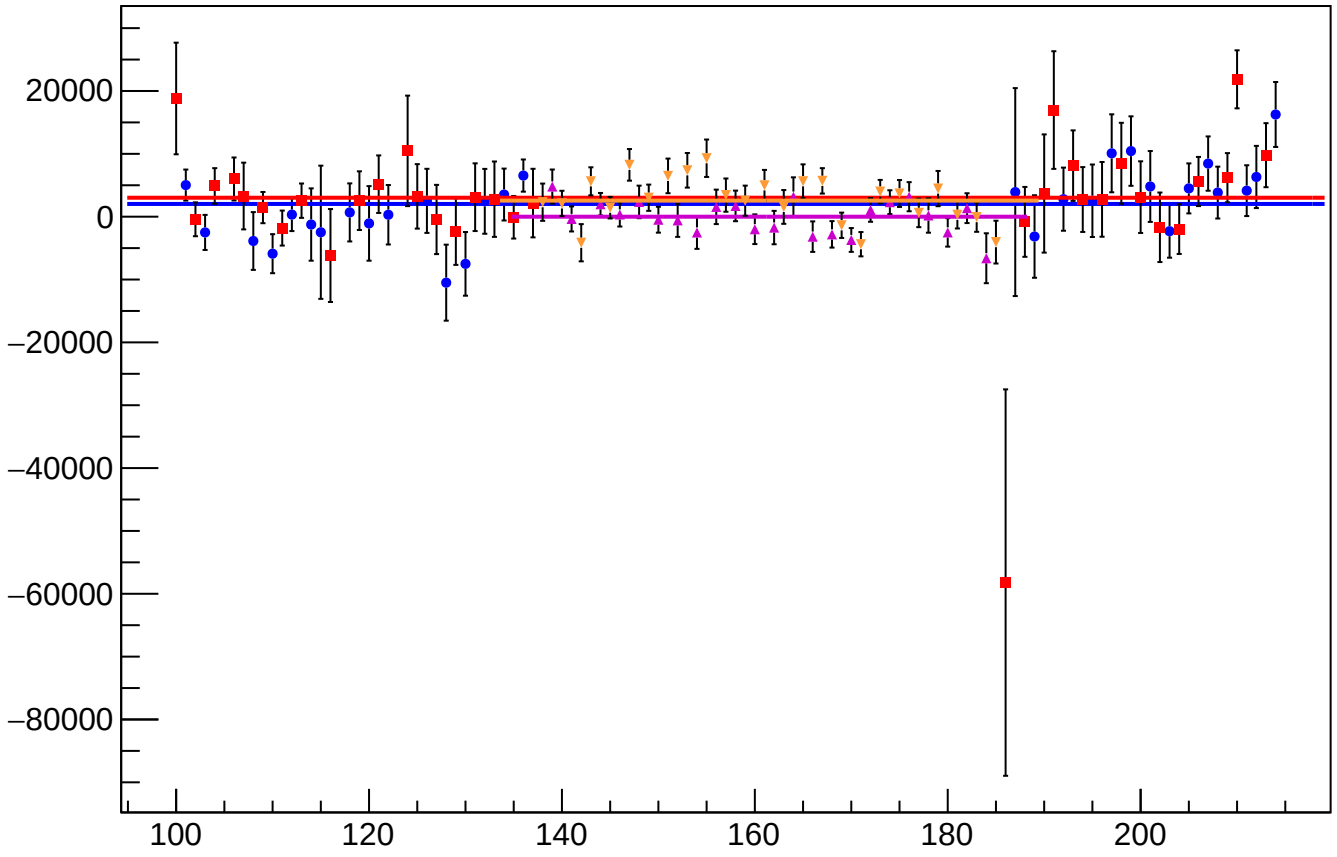
Right Out: 3031.790+/-0.536 χ^2/NDF: 5778518.2/33

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2333.200+/-0.285 χ^2/NDF: 8008018.7/54

All: 2332.043+/-0.203 χ^2/NDF: 16887167.7/1

- sign 2330.861+/-0.288 χ^2/NDF: 8879115.7/56



Right In: 2025.978+/-776.256 χ^2/NDF: 42.1/29

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 3016.373+/-754.504 χ^2/NDF: 44.3/33

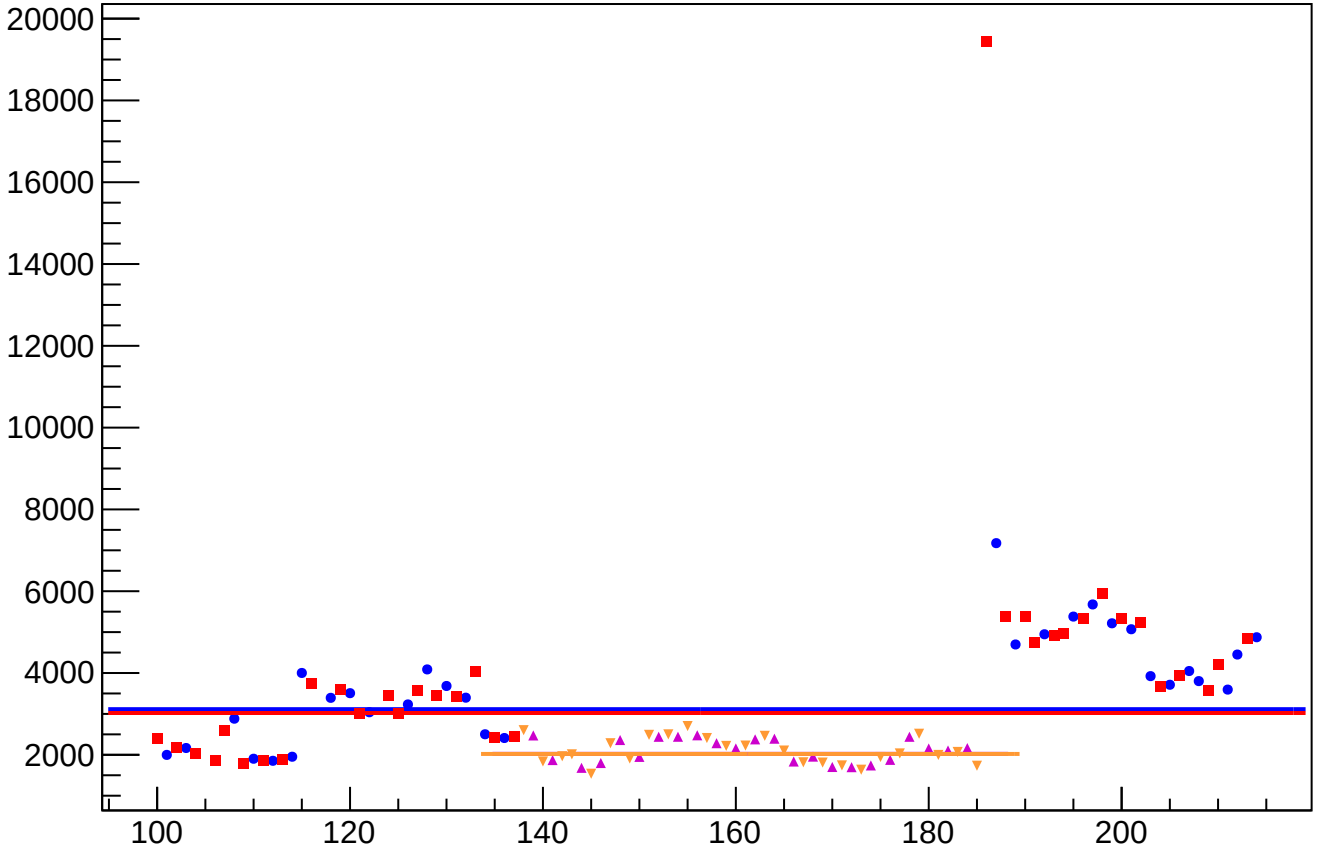
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2417.856+/-399.501 χ^2/NDF: 95.2/54

All: 1649.202+/-284.101 χ^2/NDF: 183.0/111

- sign 862.758+/-404.097 χ^2/NDF: 80.3/56

asym_sam4_rms vs Slug



Right In: 3115.926+/-0.549 χ^2/NDF: 4158725.0/29

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3022.489+/-0.534 χ^2/NDF: 5698628.7/33

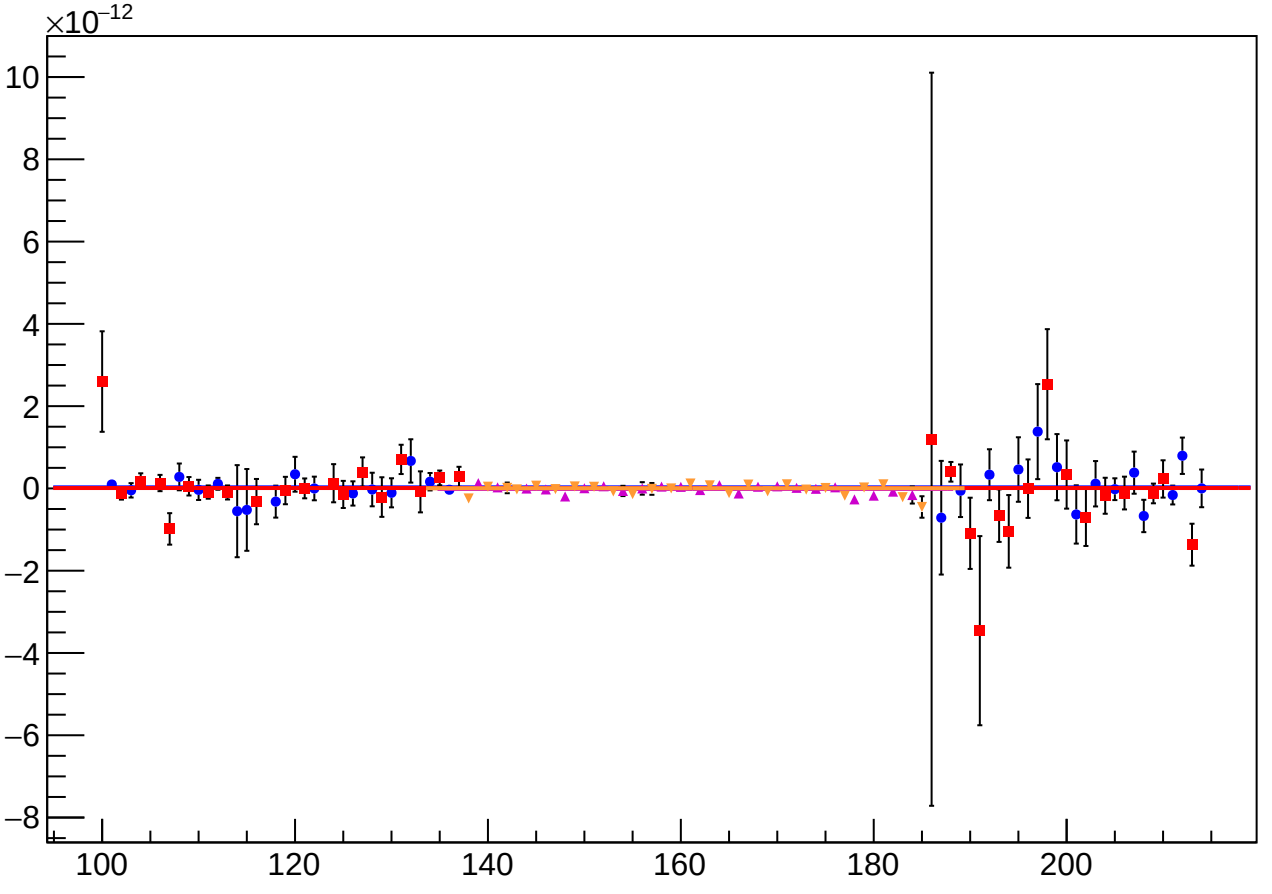
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2311.203+/-0.282 χ^2/NDF: 7963880.6/54

All: 2310.560+/-0.201 χ^2/NDF: 16860072.4/1

- sign 2309.902+/-0.286 χ^2/NDF: 8896181.3/56

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

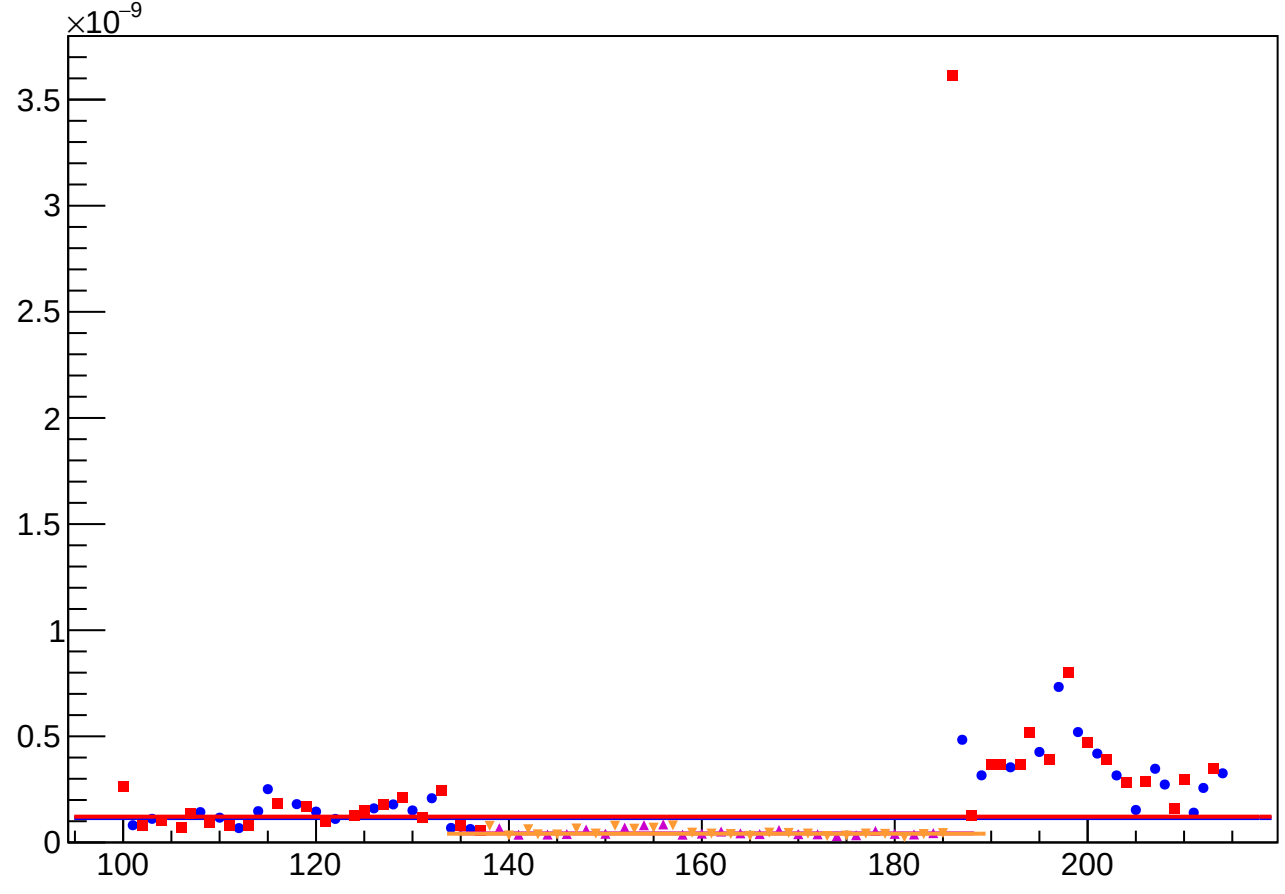
Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/33

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.2/54

All: -0.000+/-0.000 χ^2/NDF: 116.1/111

- sign -0.000+/-0.000 χ^2/NDF: 66.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 5459399.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5263893.4/33

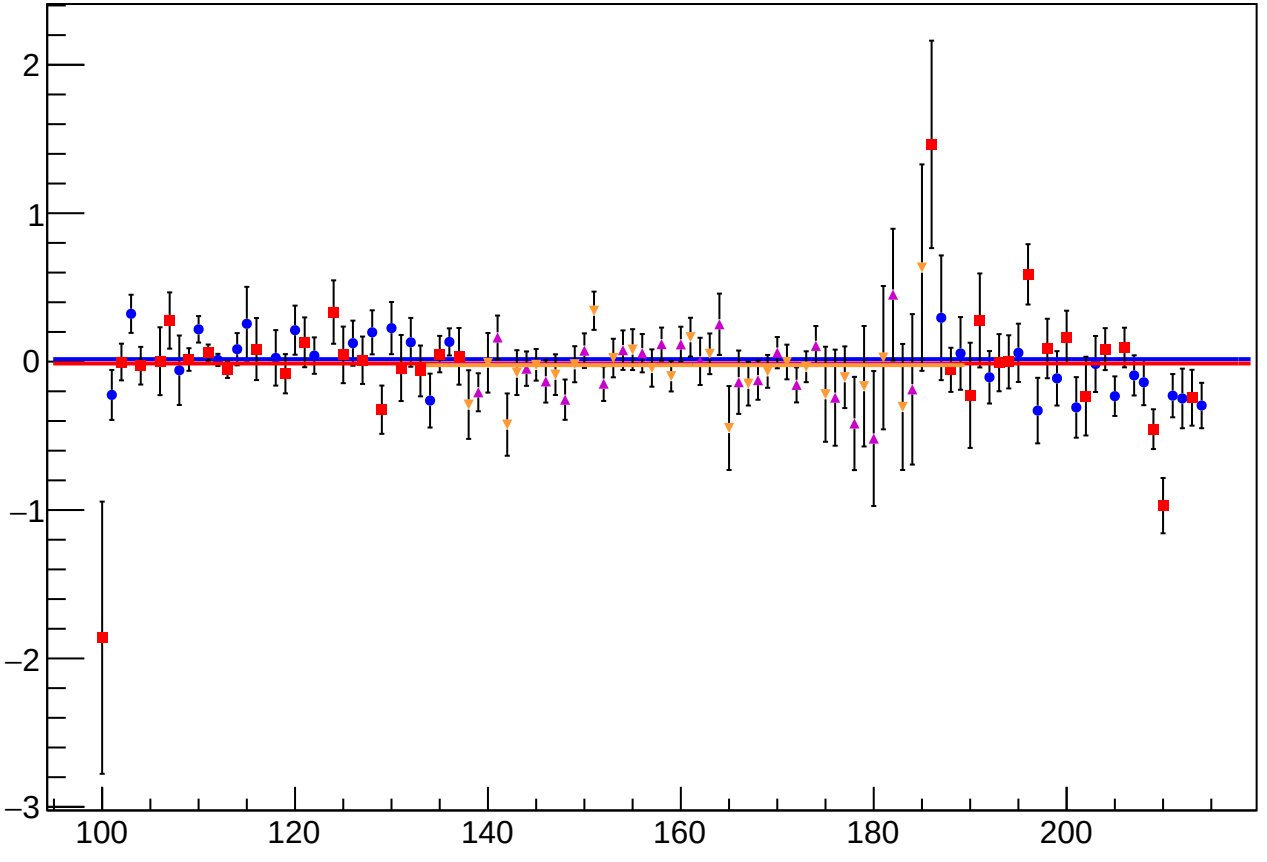
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10897947.0/54

All: 0.000+/-0.000 χ^2/NDF: 21411409.1/111

- sign 0.000+/-0.000 χ^2/NDF: 10491135.0/56

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.023 χ^2/NDF: 43.9/29

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.012+/-0.023 χ^2/NDF: 73.3/33

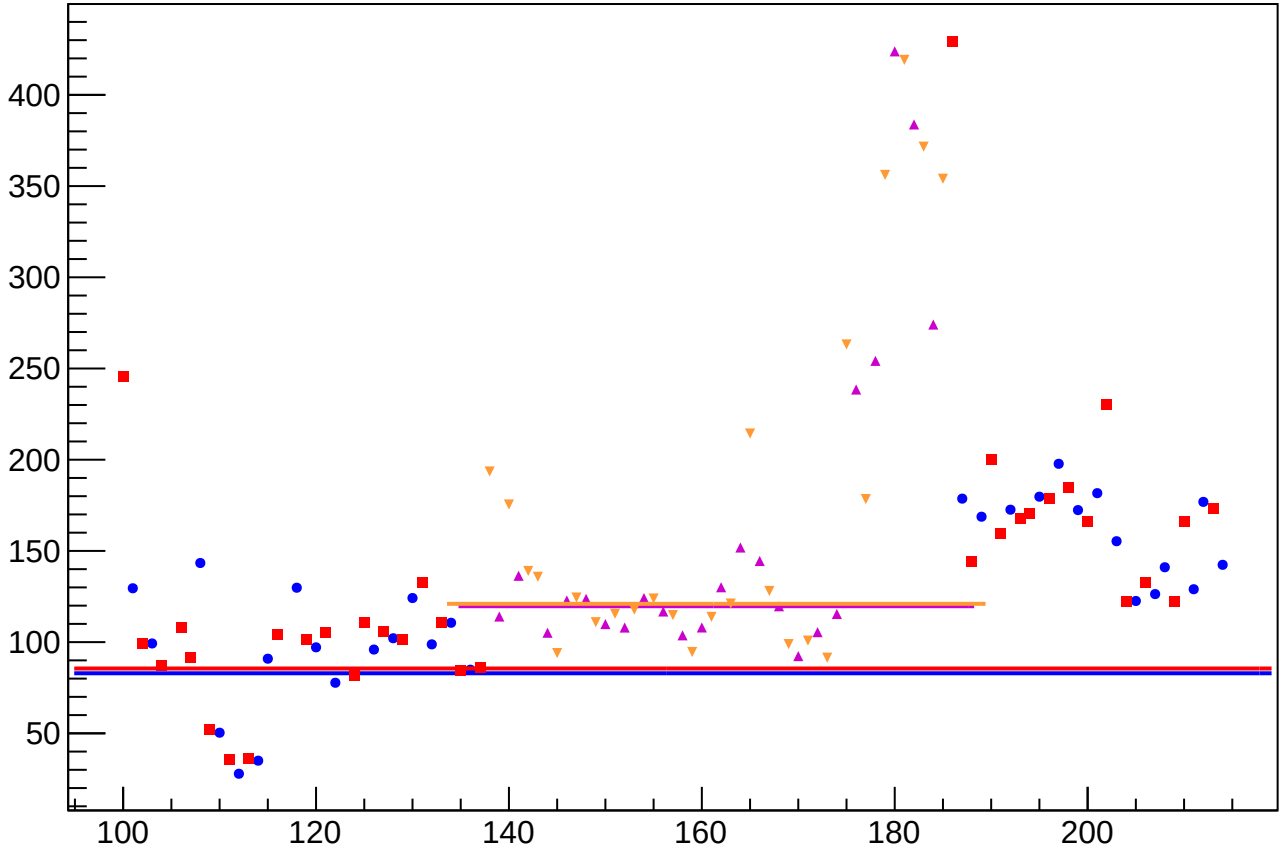
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.001+/-0.018 χ^2/NDF: 67.3/54

All: -0.007+/-0.013 χ^2/NDF: 164.0/111

- sign -0.015+/-0.019 χ^2/NDF: 96.3/56

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 82.925+/-0.017 χ^2/NDF: 9666439.9/29

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 85.540+/-0.017 χ^2/NDF: 9187090.1/33

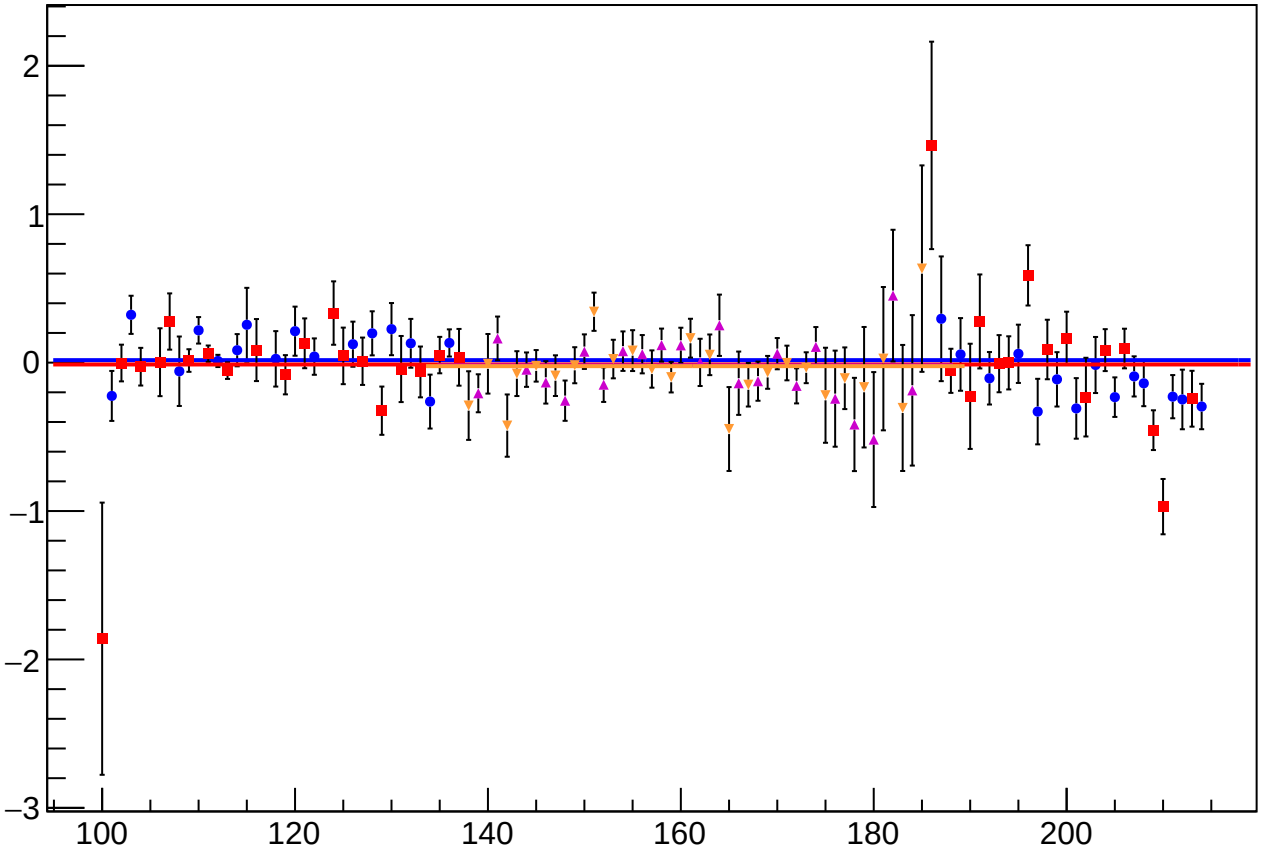
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 97.412+/-0.013 χ^2/NDF: 15770441.4/54

All: 97.871+/-0.009 χ^2/NDF: 29393541.1/111

- sign 98.334+/-0.013 χ^2/NDF: 13620604.3/56

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.023 χ^2/NDF: 43.9/29

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.012+/-0.023 χ^2/NDF: 73.3/33

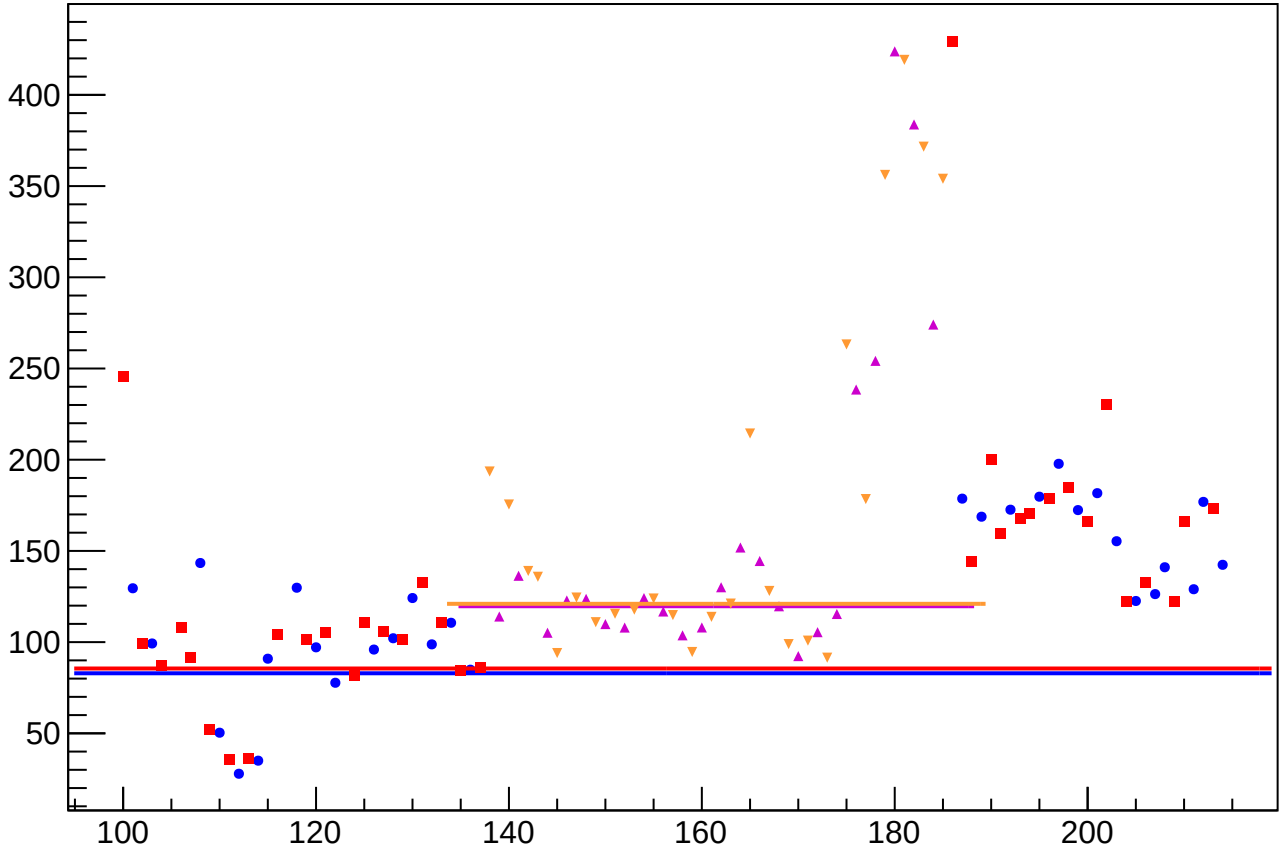
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.001+/-0.018 χ^2/NDF: 67.3/54

All: -0.007+/-0.013 χ^2/NDF: 164.0/111

- sign -0.015+/-0.019 χ^2/NDF: 96.3/56

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.925+/-0.017 χ^2/NDF: 9666439.9/29

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

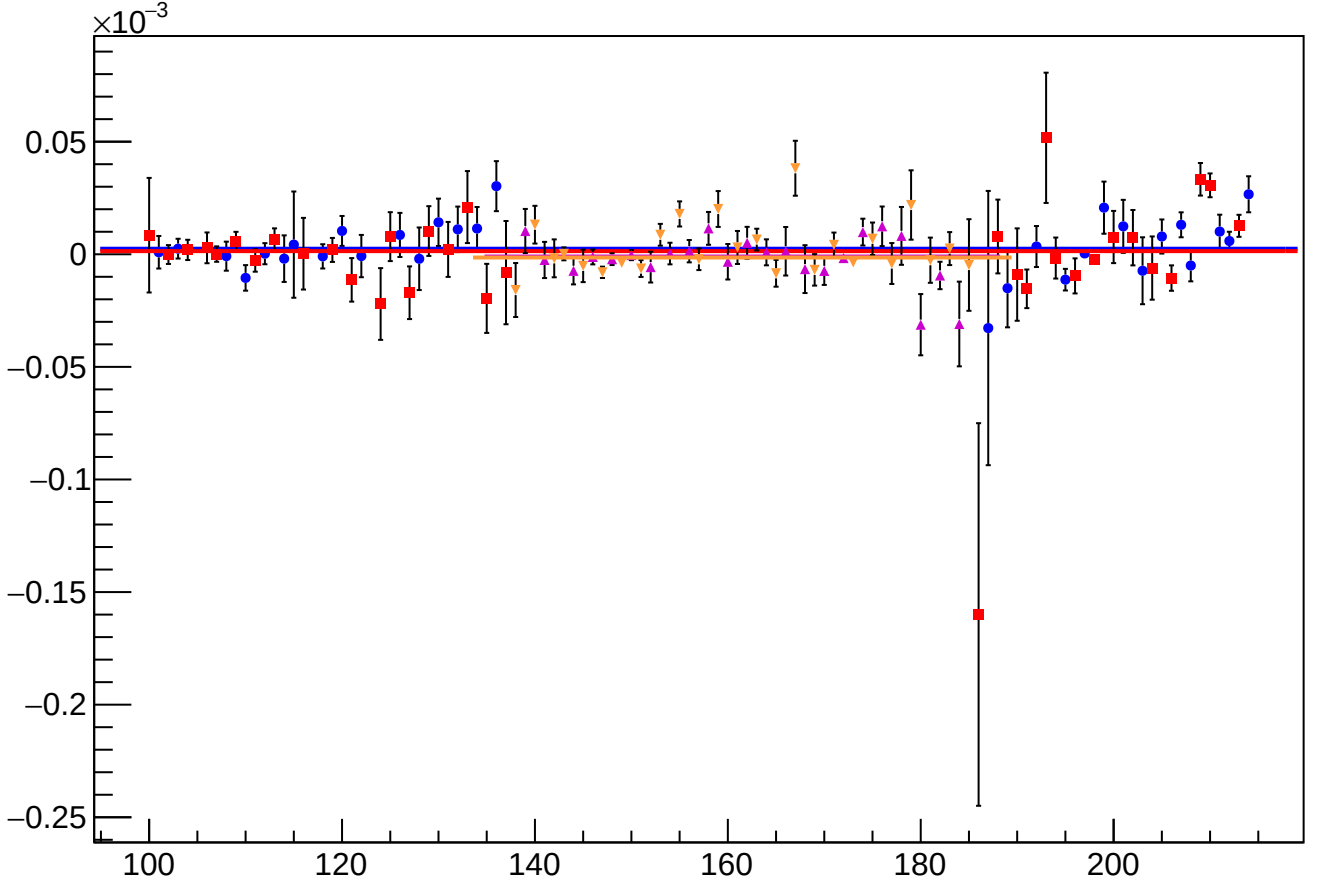
Right Out: 85.540+/-0.017 χ^2/NDF: 9187090.1/33

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 97.412+/-0.013 χ^2/NDF: 15770441.4/54

All: 97.871+/-0.009 χ^2/NDF: 29393541.1/111

- sign 98.334+/-0.013 χ^2/NDF: 13620604.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 92.4/33

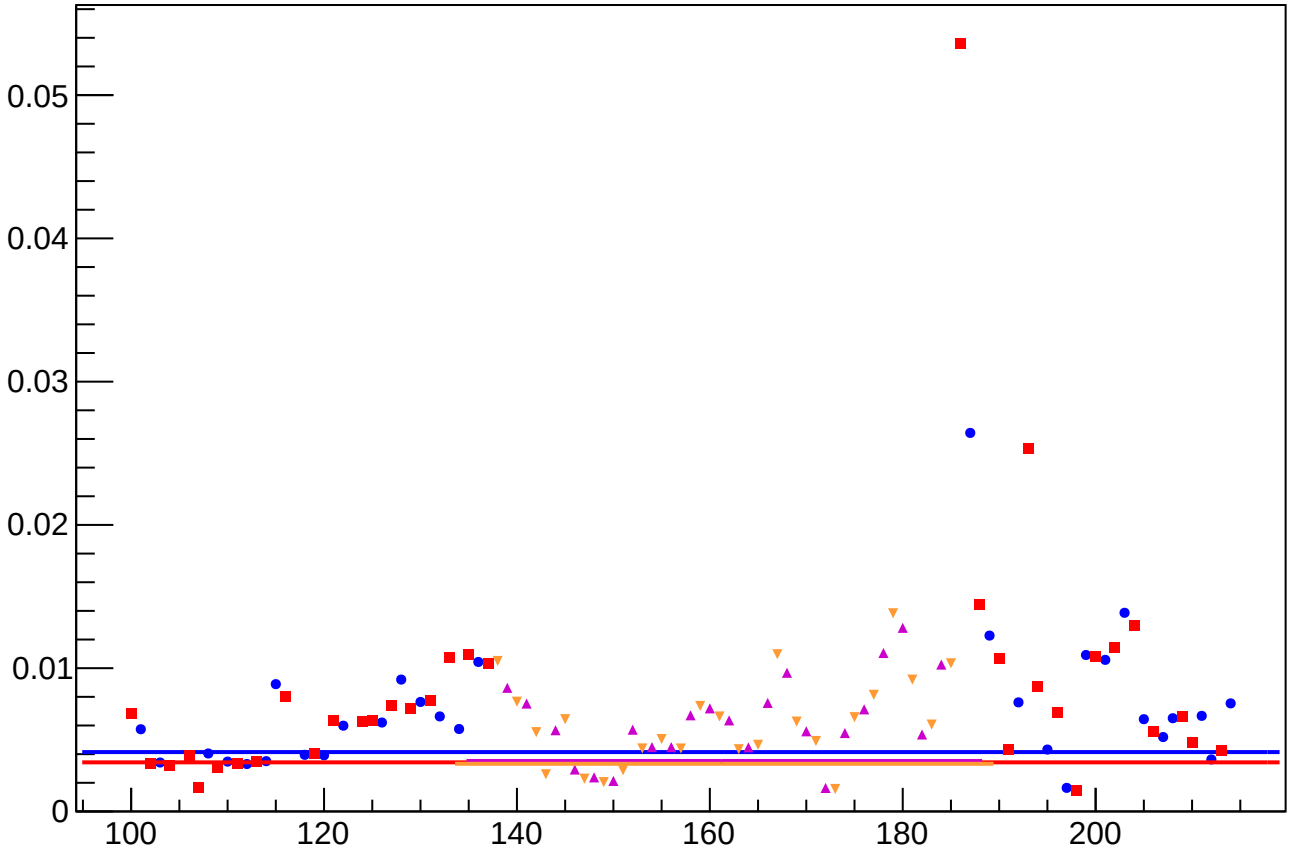
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.4/54

All: 0.000+/-0.000 χ^2/NDF: 235.2/111

- sign 0.000+/-0.000 χ^2/NDF: 119.8/56

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 8694021.6/29

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13307035.3/33

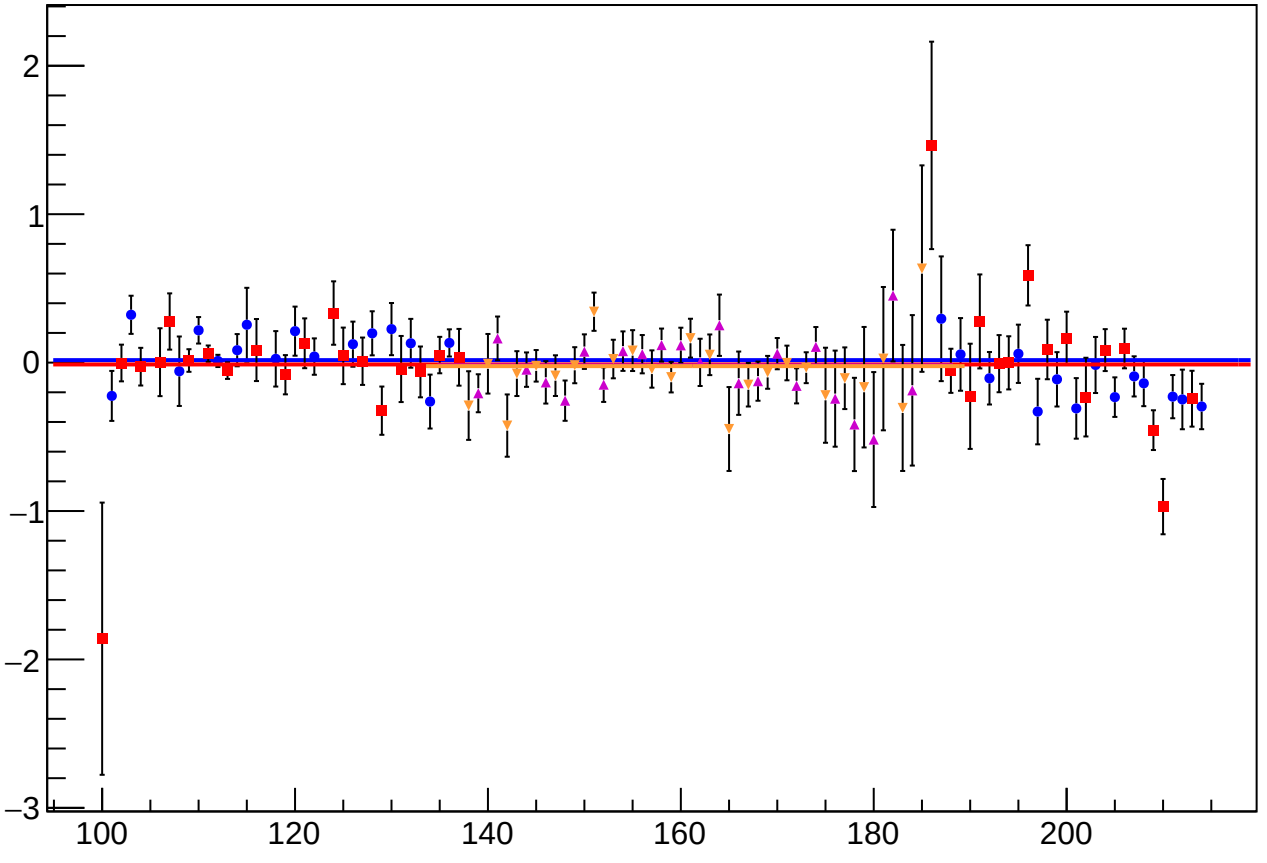
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 19806160.2/54

All: 0.004+/-0.000 χ^2/NDF: 42602510.5/111

- sign 0.003+/-0.000 χ^2/NDF: 22742784.3/56

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.023 χ^2/NDF: 43.9/29

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.012+/-0.023 χ^2/NDF: 73.3/33

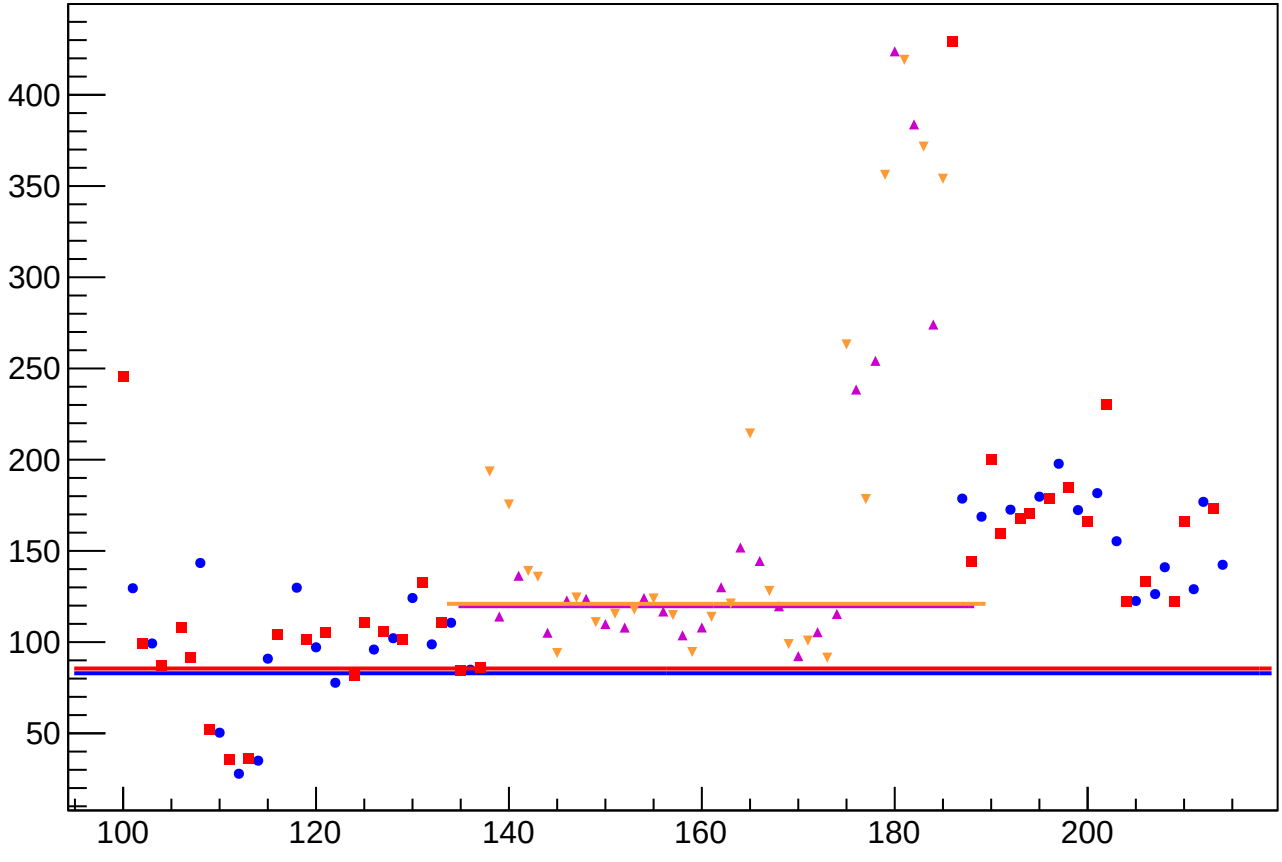
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.001+/-0.018 χ^2/NDF: 67.3/54

All: -0.007+/-0.013 χ^2/NDF: 163.9/111

- sign -0.015+/-0.019 χ^2/NDF: 96.3/56

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.922+/-0.017 χ^2/NDF: 9666974.2/29

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

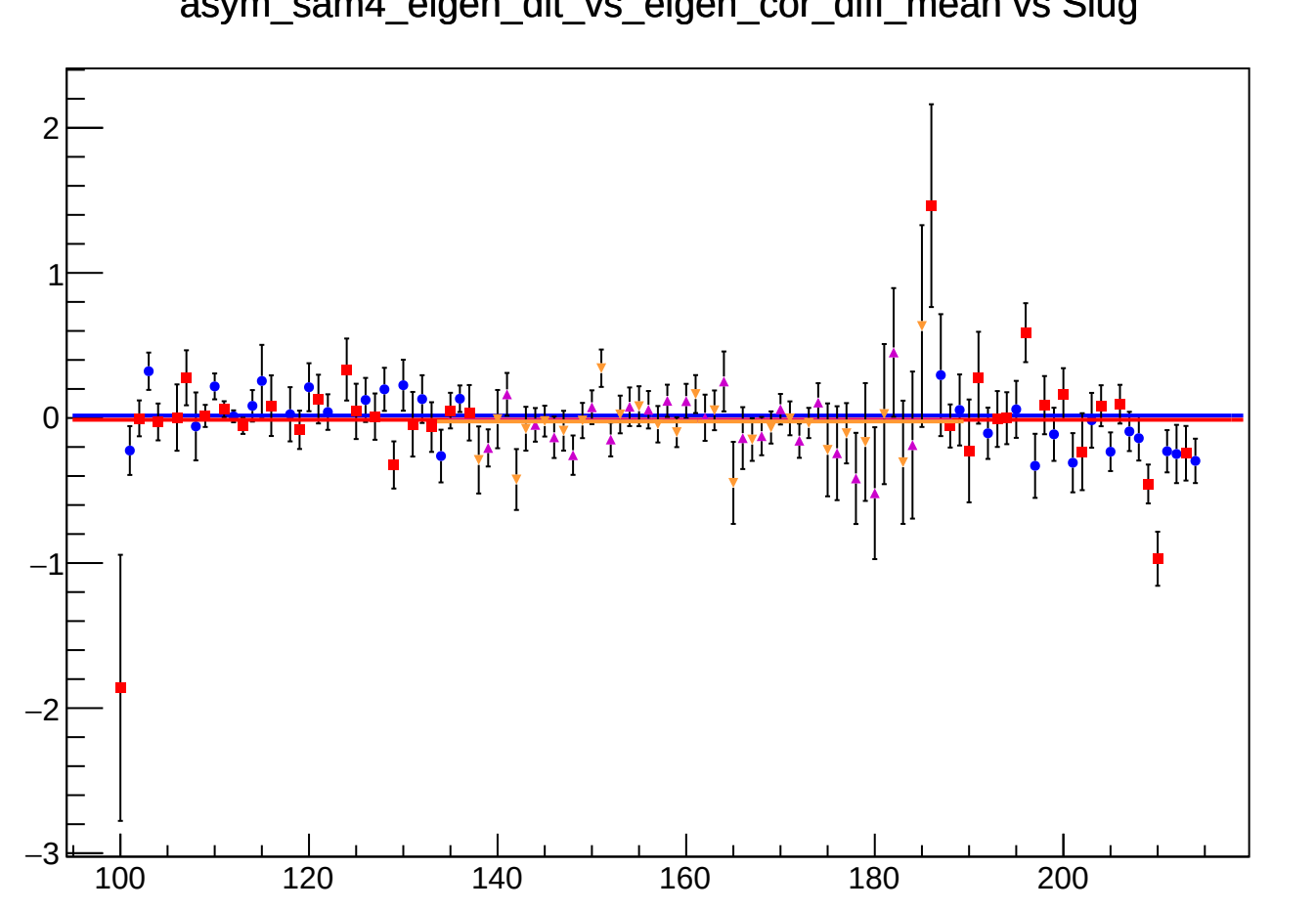
Right Out: 85.538+/-0.017 χ^2/NDF: 9187620.3/33

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 97.410+/-0.013 χ^2/NDF: 15771270.5/54

All: 97.870+/-0.009 χ^2/NDF: 29395107.7/111

- sign 98.333+/-0.013 χ^2/NDF: 13621340.0/56



Right In: 0.017+/-0.023 χ^2/NDF: 43.9/29

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

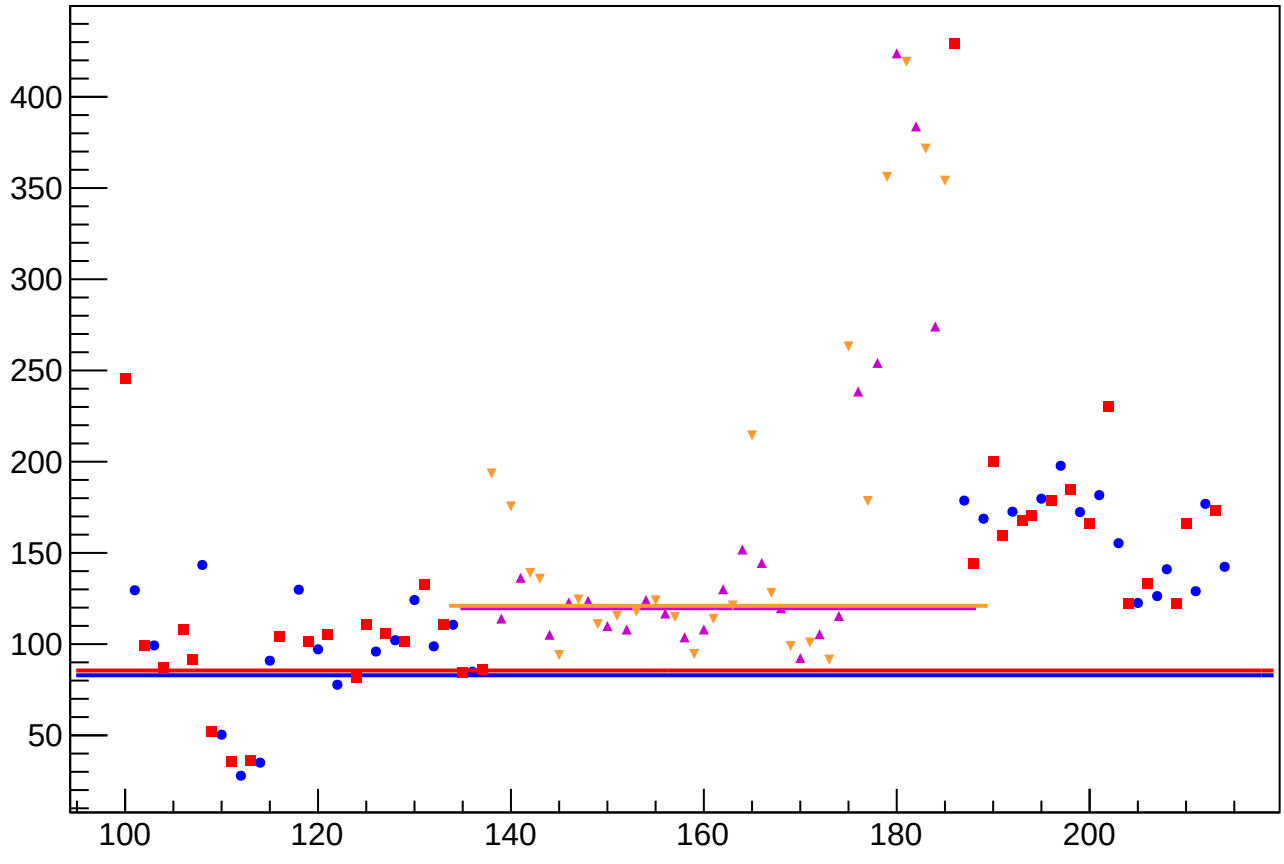
Right Out: -0.012+/-0.023 χ^2/NDF: 73.3/33

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.001+/-0.018 χ^2/NDF: 67.3/54

All: -0.007+/-0.013 χ^2/NDF: 163.9/111

- sign -0.015+/-0.019 χ^2/NDF: 96.3/56



Right In: 82.922+/-0.017 χ^2/NDF: 9666974.2/29

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 85.538+/-0.017 χ^2/NDF: 9187620.3/33

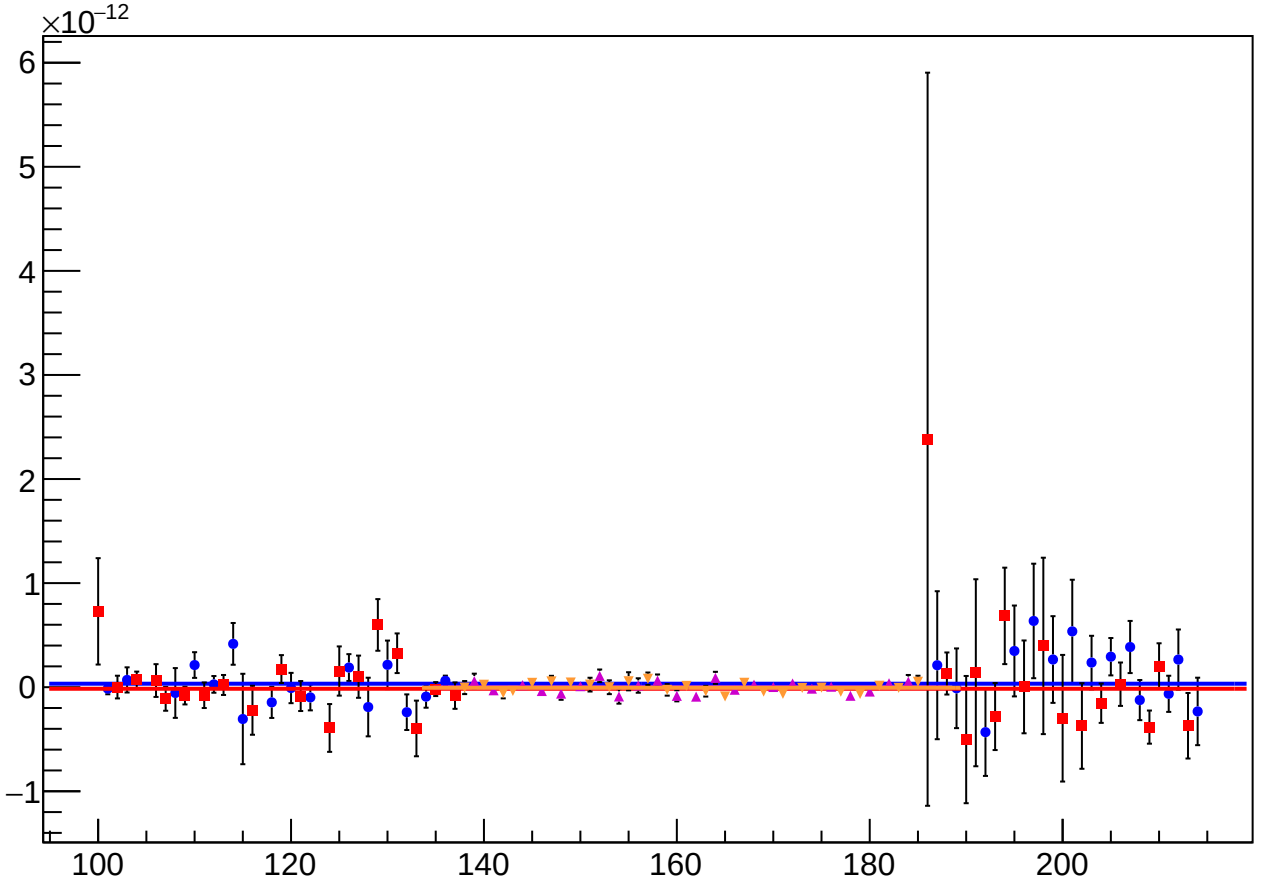
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 97.410+/-0.013 χ^2/NDF: 15771270.5/54

All: 97.870+/-0.009 χ^2/NDF: 29395107.7/111

- sign 98.333+/-0.013 χ^2/NDF: 13621340.0/56

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/29

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

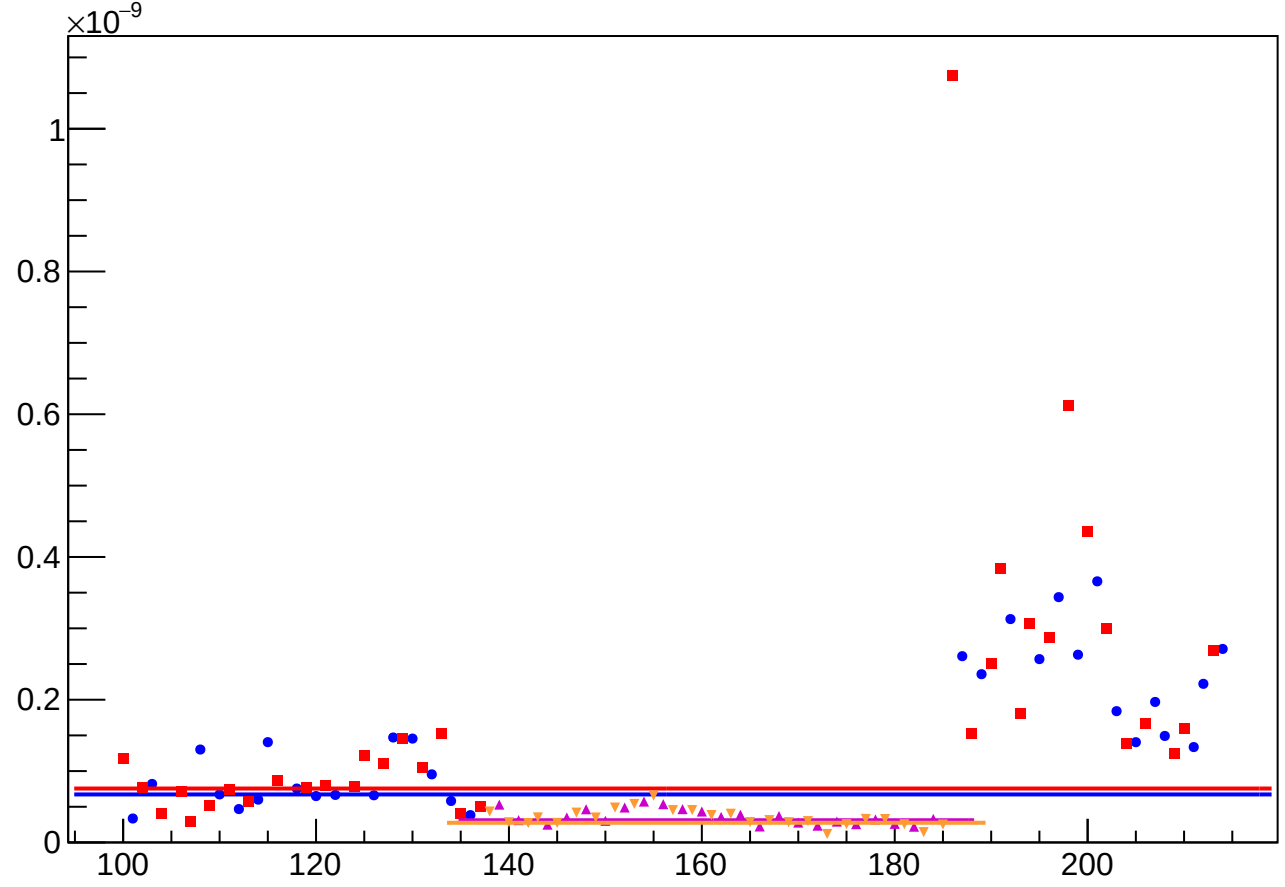
Right Out: -0.000+/-0.000 χ^2/NDF: 37.4/33

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/54

All: -0.000+/-0.000 χ^2/NDF: 118.0/111

- sign -0.000+/-0.000 χ^2/NDF: 65.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 8847830.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8071637.7/33

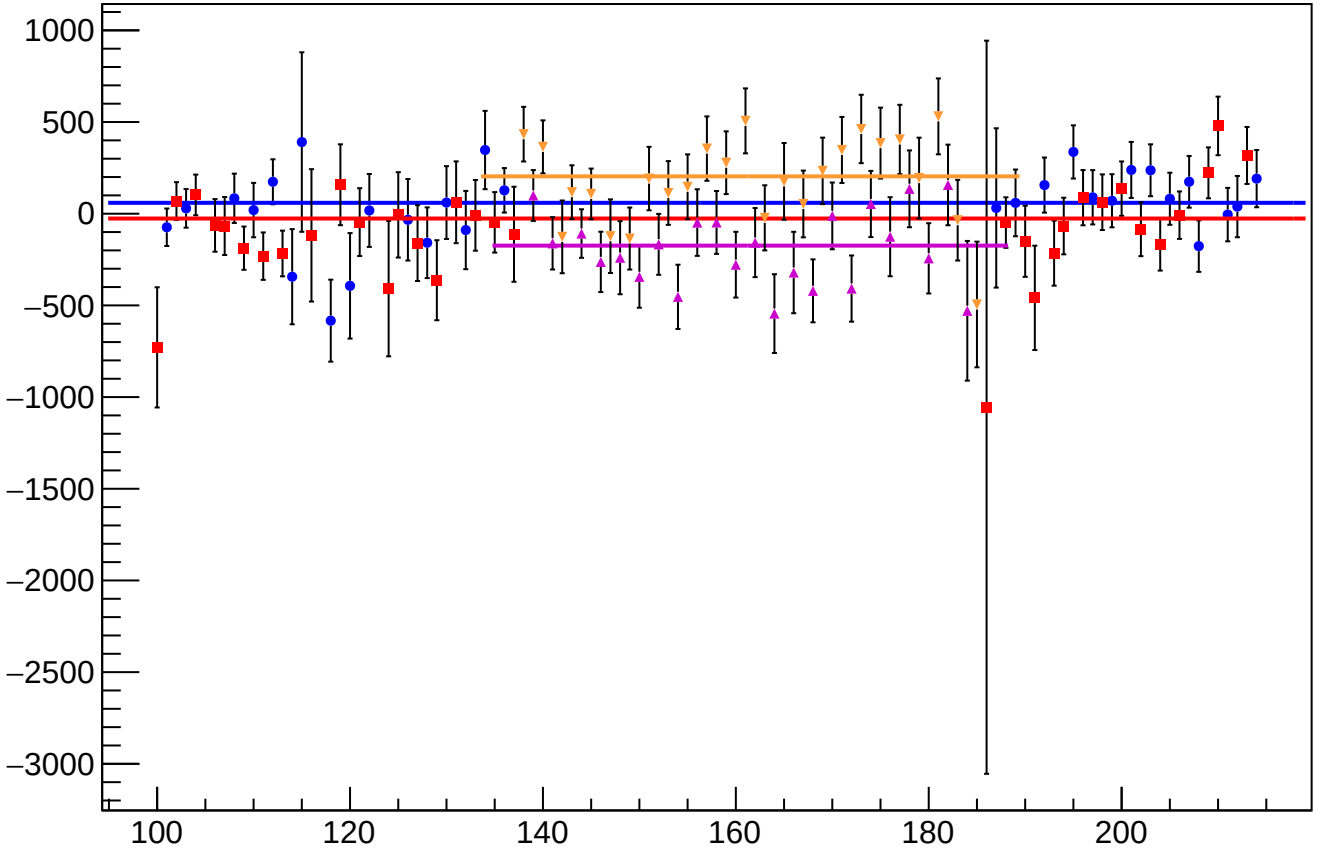
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17195460.6/54

All: 0.000+/-0.000 χ^2/NDF: 32378560.3/111

- sign 0.000+/-0.000 χ^2/NDF: 14922925.1/56

reg_asym_sam5_mean vs Slug



Right In: 59.423+/-28.843 χ^2/NDF: 32.0/29

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -26.261+/-27.913 χ^2/NDF: 44.3/33

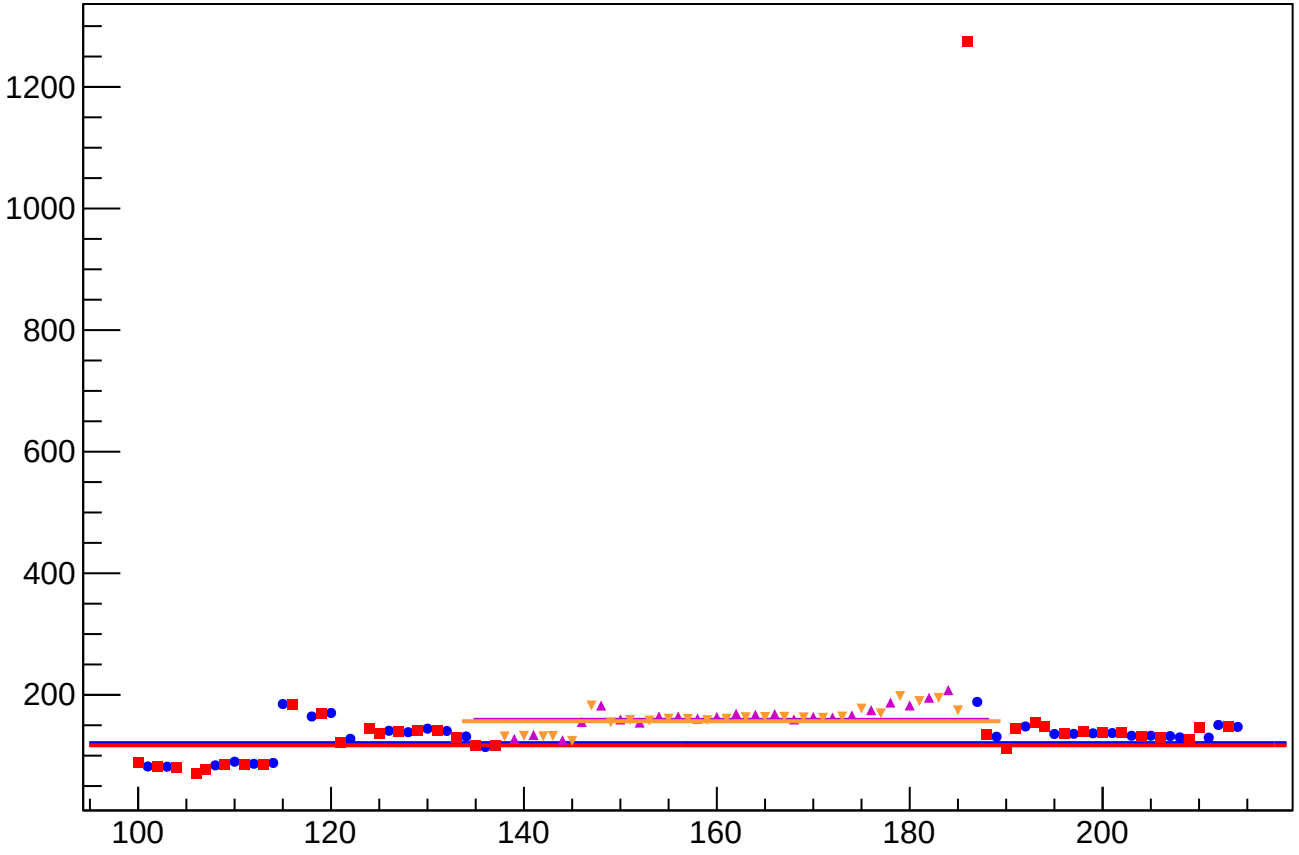
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 116.087+/-22.479 χ^2/NDF: 74.7/54

All: 18.022+/-15.857 χ^2/NDF: 191.4/111

- sign -79.095+/-22.371 χ^2/NDF: 78.8/56

reg_asym_sam5_rms vs Slug



Right In: 120.581+/-0.020 χ^2/NDF: 1630801.5/29

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 117.020+/-0.020 χ^2/NDF: 2722895.5/33

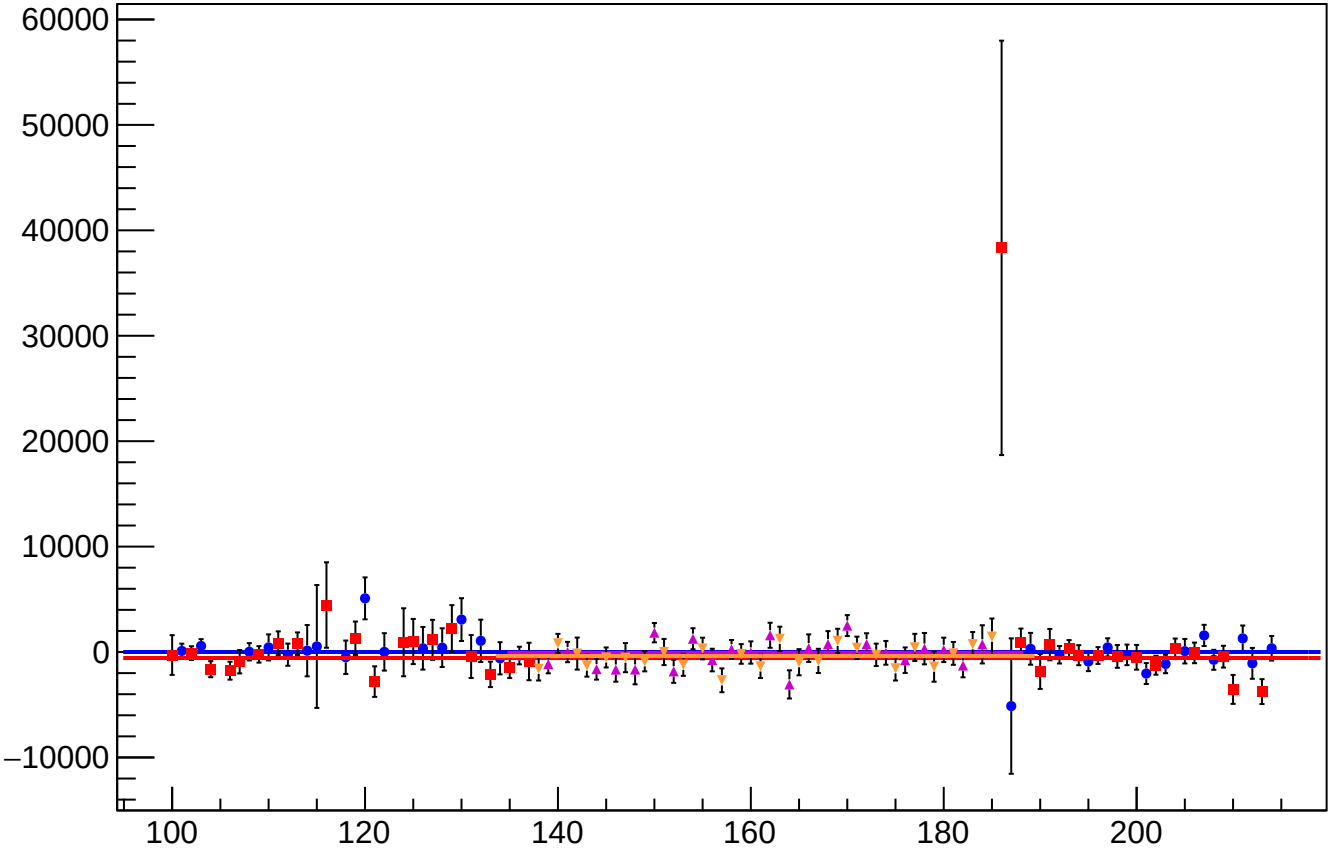
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.736+/-0.016 χ^2/NDF: 3440241.9/54

All: 133.370+/-0.011 χ^2/NDF: 8303520.7/111

- sign 132.018+/-0.016 χ^2/NDF: 4848589.1/56

asym_sam5_reg_correction_mean vs Slug



Right In: 2.243+/-203.451 χ^2/NDF: 23.4/29

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -566.926+/-194.227 χ^2/NDF: 40.4/33

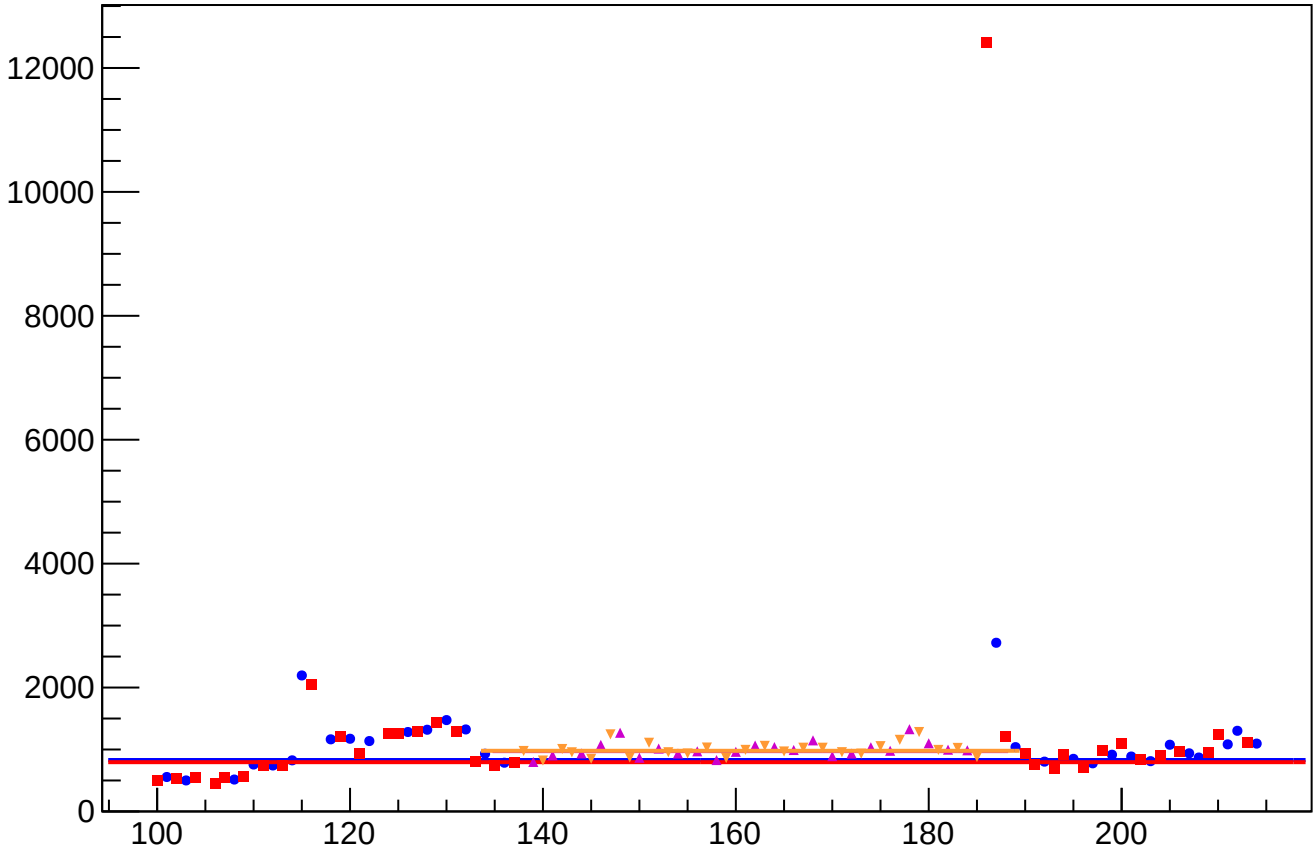
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -170.388+/-150.771 χ^2/NDF: 43.8/54

All: -267.600+/-105.740 χ^2/NDF: 120.8/111

- sign -361.697+/-148.337 χ^2/NDF: 76.2/56

asym_sam5_reg_correction_rms vs Slug



Right In: 830.203+/-0.144 χ^2/NDF: 2808495.2/29

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 795.434+/-0.137 χ^2/NDF: 3836263.6/33

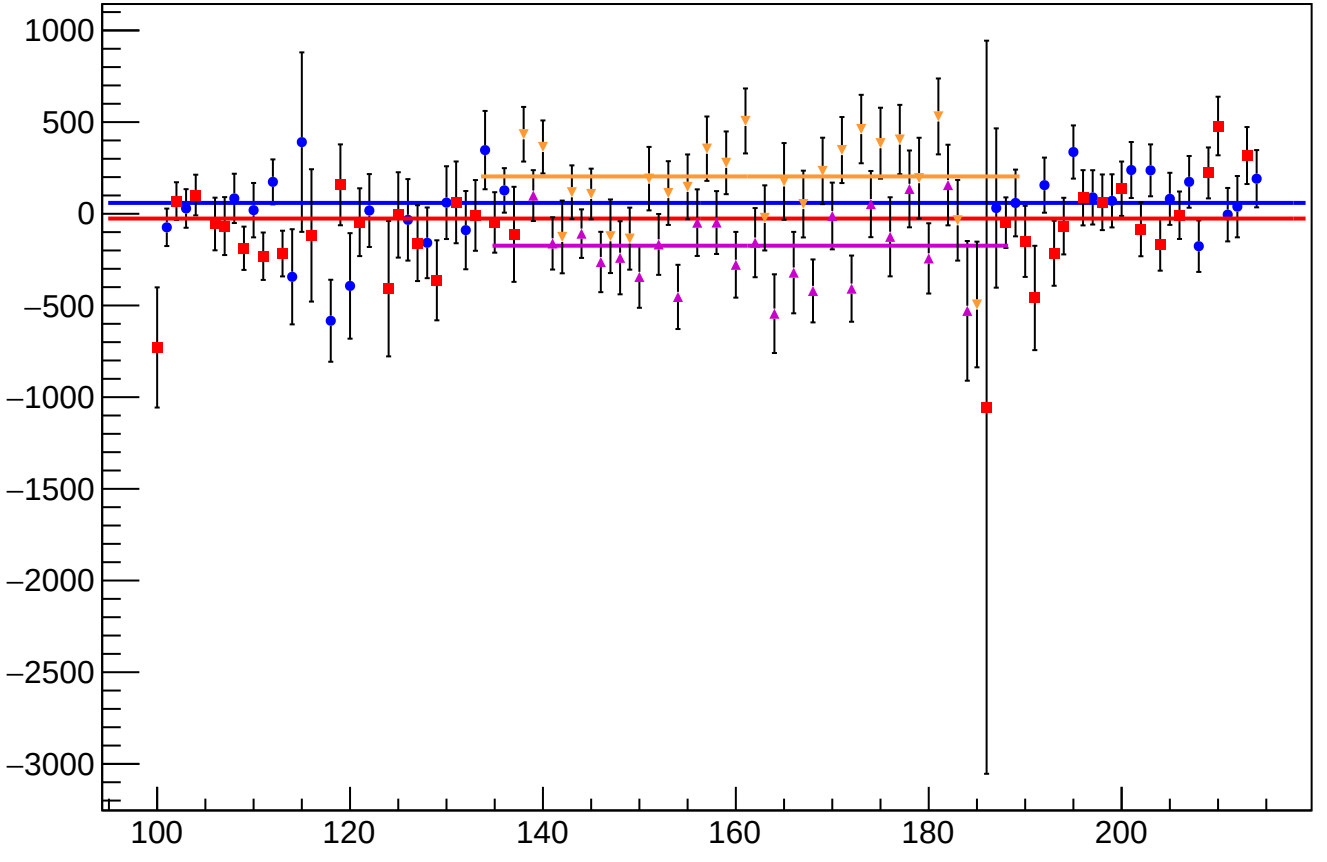
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 897.333+/-0.107 χ^2/NDF: 3721289.3/54

All: 883.327+/-0.075 χ^2/NDF: 8793142.7/11

- sign 869.770+/-0.105 χ^2/NDF: 5037888.6/56

cor_asym_sam5_mean vs Slug



Right In: 59.421+/-28.843 χ^2/NDF: 32.0/29

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -25.973+/-27.914 χ^2/NDF: 44.2/33

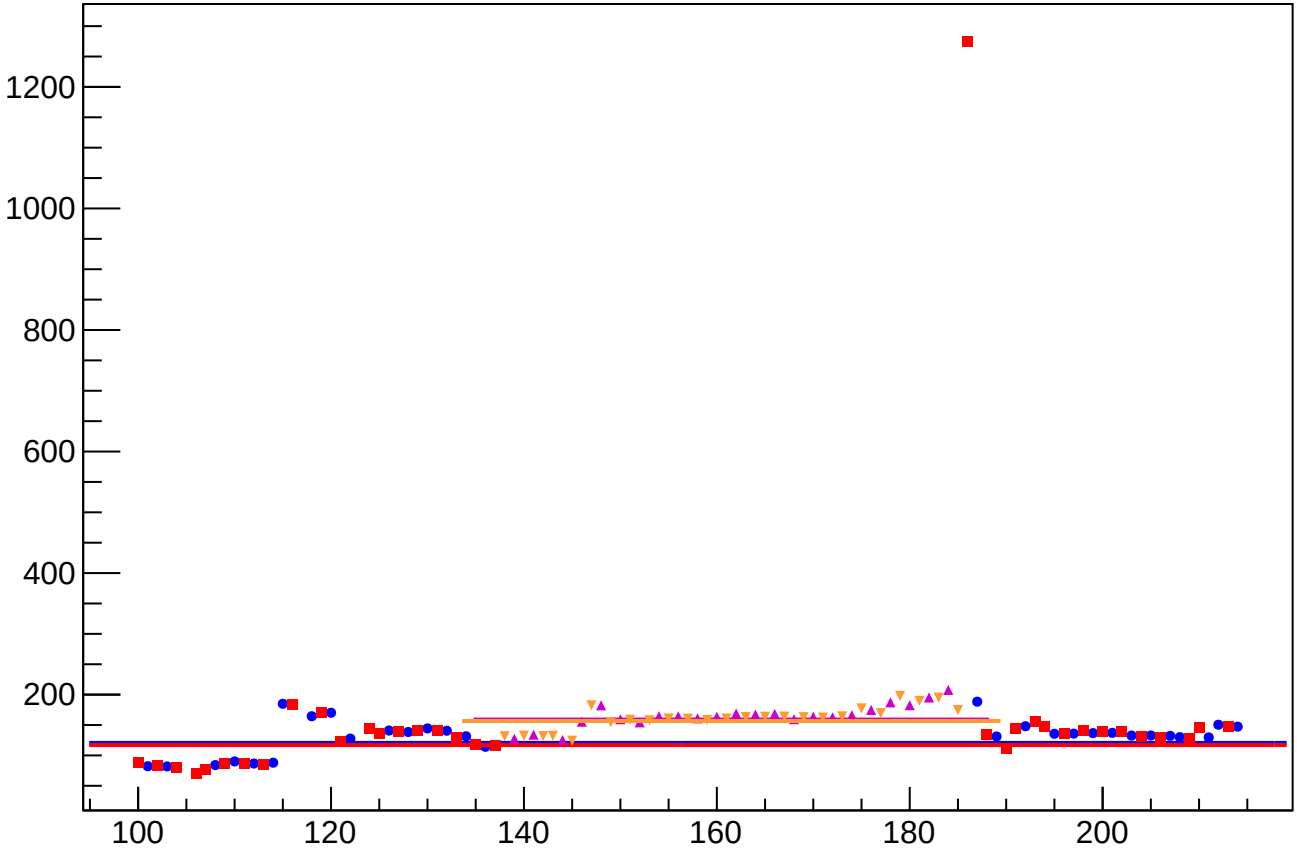
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.087+/-22.479 χ^2/NDF: 74.7/54

All: 18.116+/-15.857 χ^2/NDF: 191.3/111

- sign -78.914+/-22.371 χ^2/NDF: 78.8/56

cor_asym_sam5_rms vs Slug



Right In: 120.581+/-0.020 χ^2/NDF: 1630800.1/29

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.008+/-0.020 χ^2/NDF: 2726186.8/33

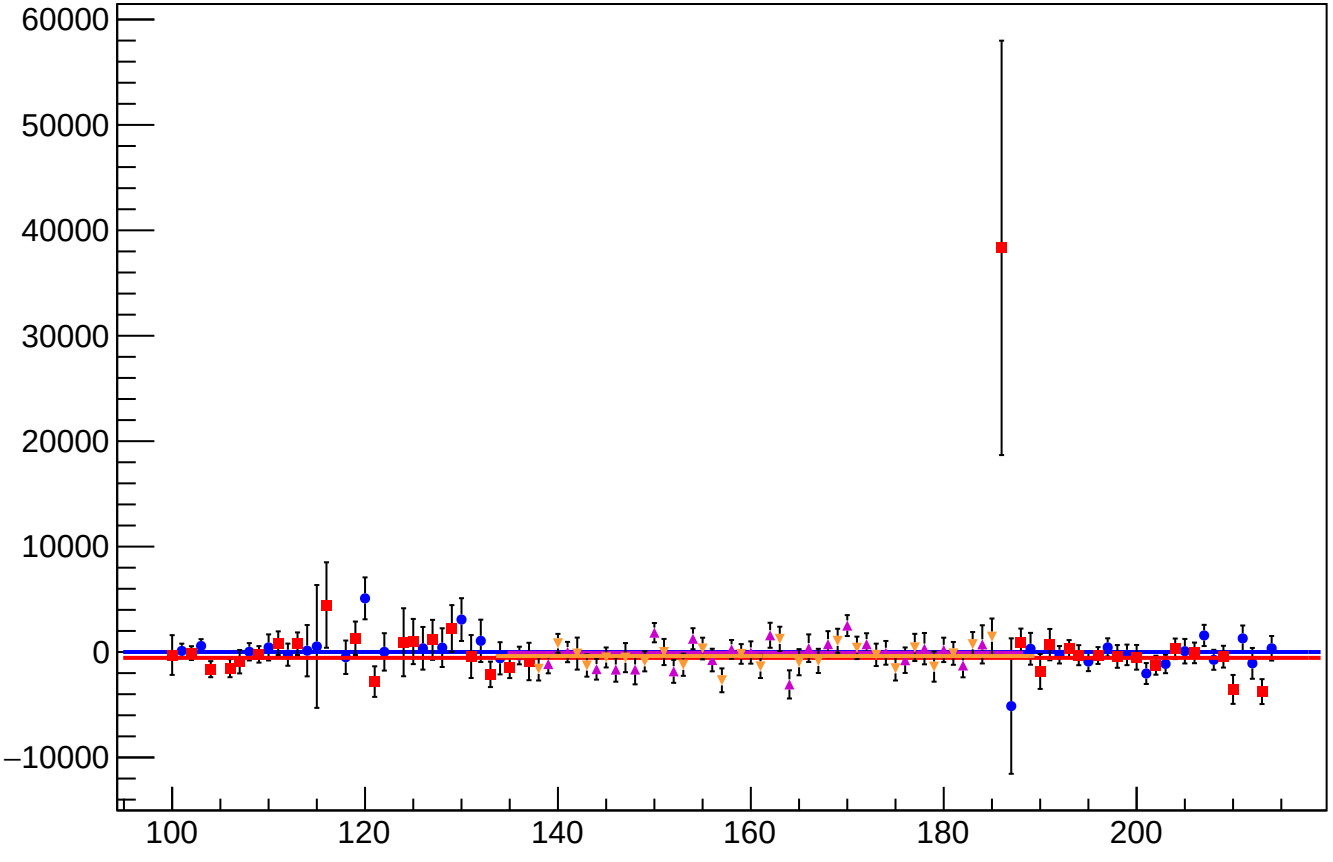
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.736+/-0.016 χ^2/NDF: 3440239.8/54

All: 133.367+/-0.011 χ^2/NDF: 8307732.2/111

- sign 132.011+/-0.016 χ^2/NDF: 4852730.2/56

asym_sam5_cor_correction_mean vs Slug



Right In: 2.245+/-203.450 χ^2/NDF: 23.4/29

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -553.559+/-194.294 χ^2/NDF: 39.7/33

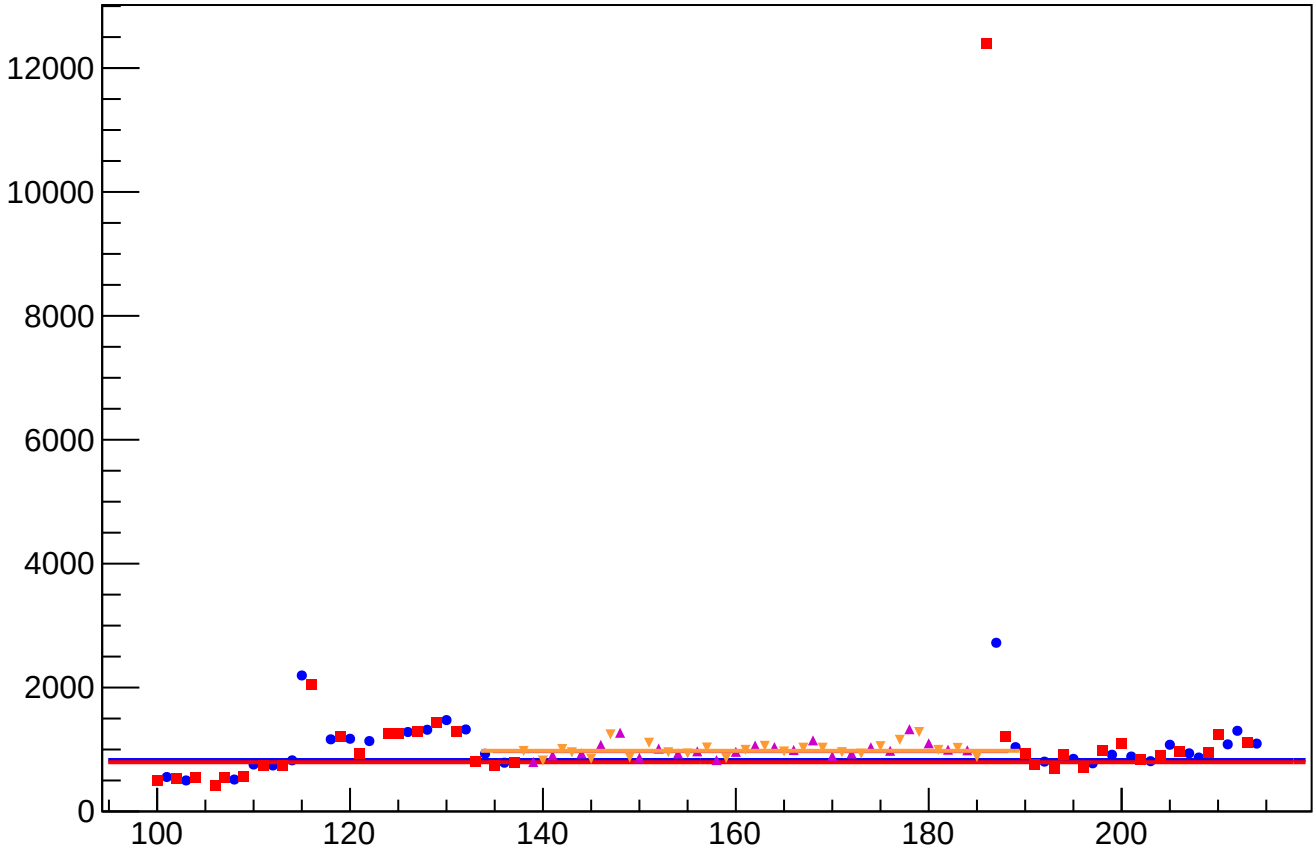
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -170.382+/-150.771 χ^2/NDF: 43.8/54

All: -263.575+/-105.751 χ^2/NDF: 119.8/111

- sign -353.820+/-148.367 χ^2/NDF: 75.3/56

asym_sam5_cor_correction_rms vs Slug



Right In: 830.203+/-0.144 χ^2/NDF: 2808498.8/29

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 794.407+/-0.137 χ^2/NDF: 3879889.1/33

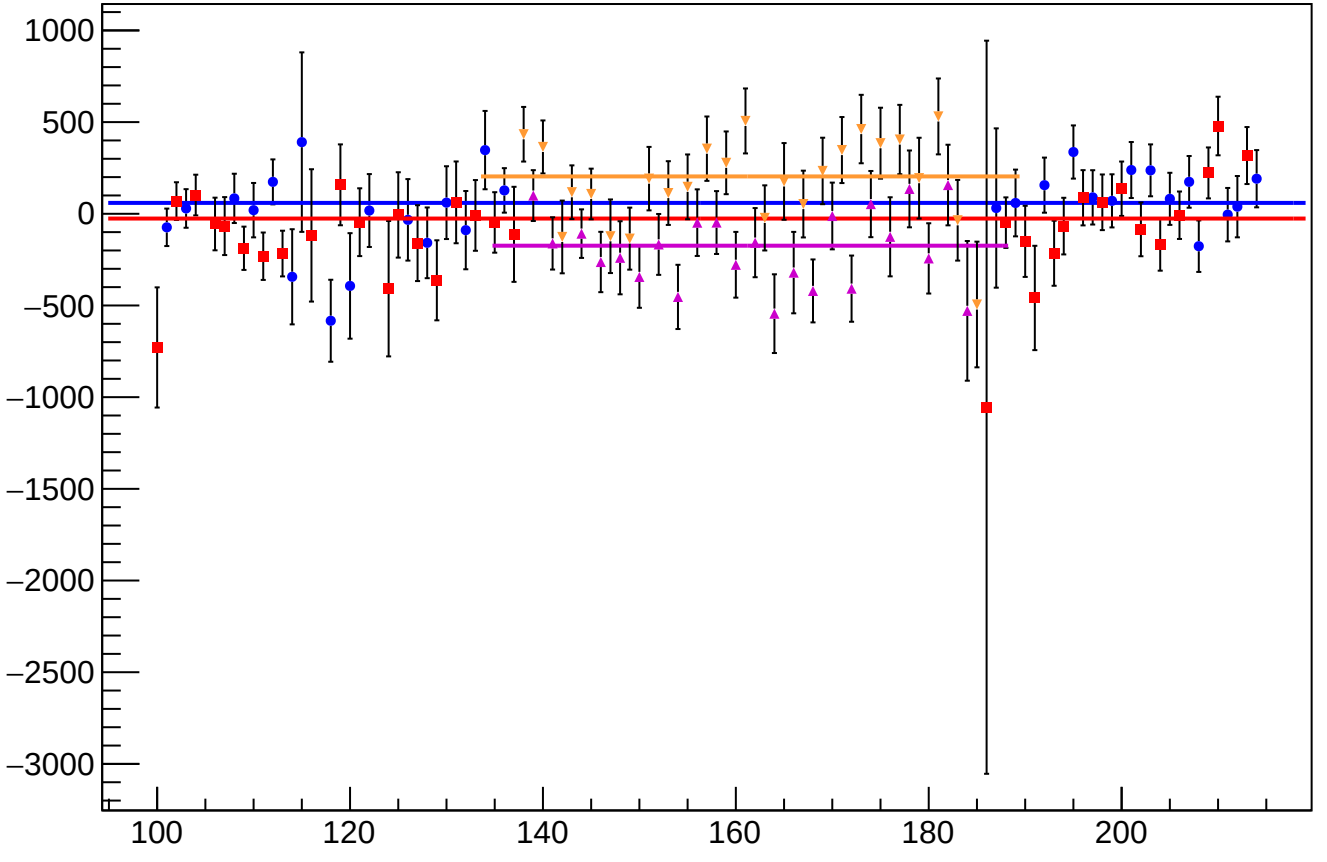
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 897.333+/-0.107 χ^2/NDF: 3721294.1/54

All: 883.041+/-0.075 χ^2/NDF: 8846104.3/11

- sign 869.201+/-0.105 χ^2/NDF: 5089434.5/56

eigen_cor_asym_sam5_mean vs Slug



Right In: 59.421+/-28.843 χ^2/NDF: 32.0/29

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -25.973+/-27.914 χ^2/NDF: 44.2/33

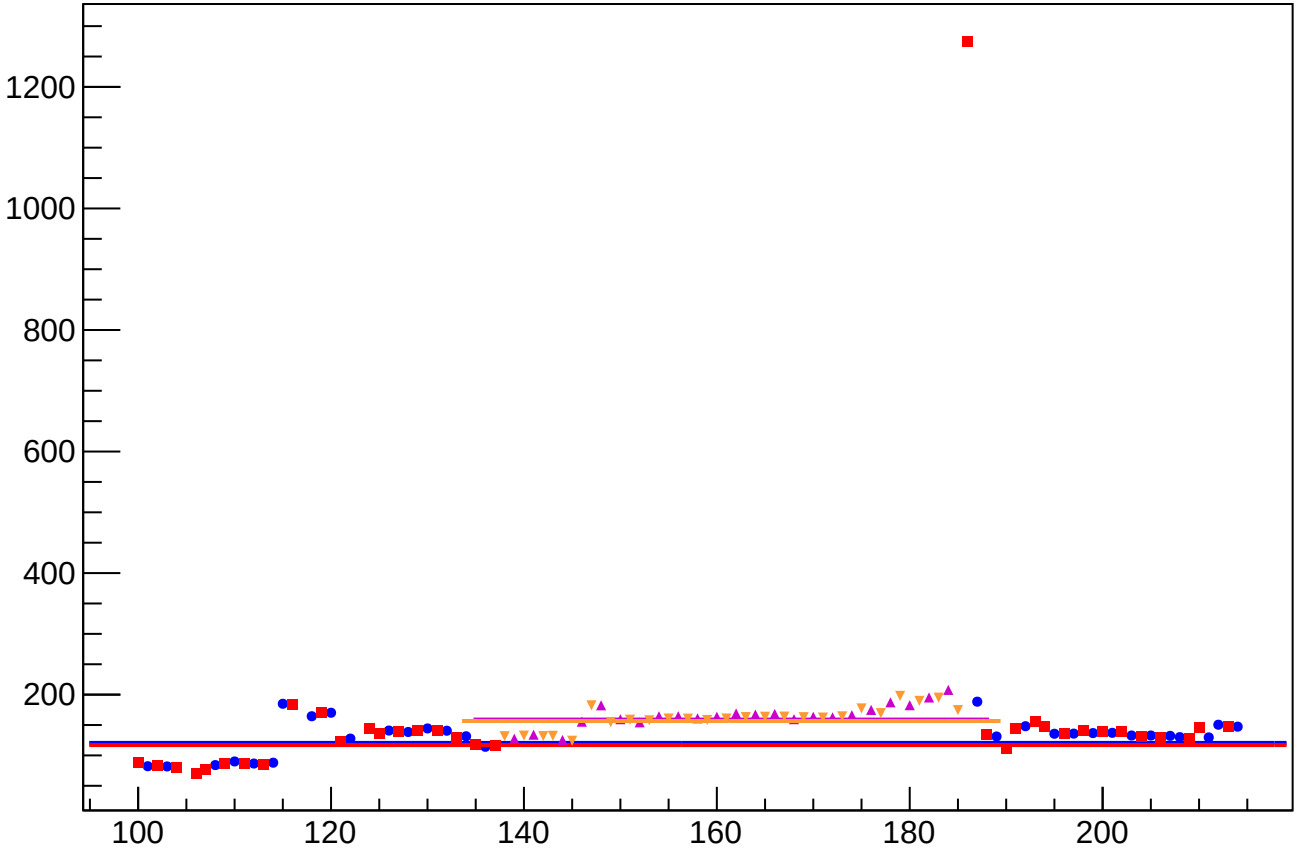
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 116.087+/-22.479 χ^2/NDF: 74.7/54

All: 18.116+/-15.857 χ^2/NDF: 191.3/111

- sign -78.914+/-22.371 χ^2/NDF: 78.8/56

eigen_cor_asym_sam5_rms vs Slug



Right In: 120.581+/-0.020 χ^2/NDF: 1630800.1/29

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 117.008+/-0.020 χ^2/NDF: 2726186.8/33

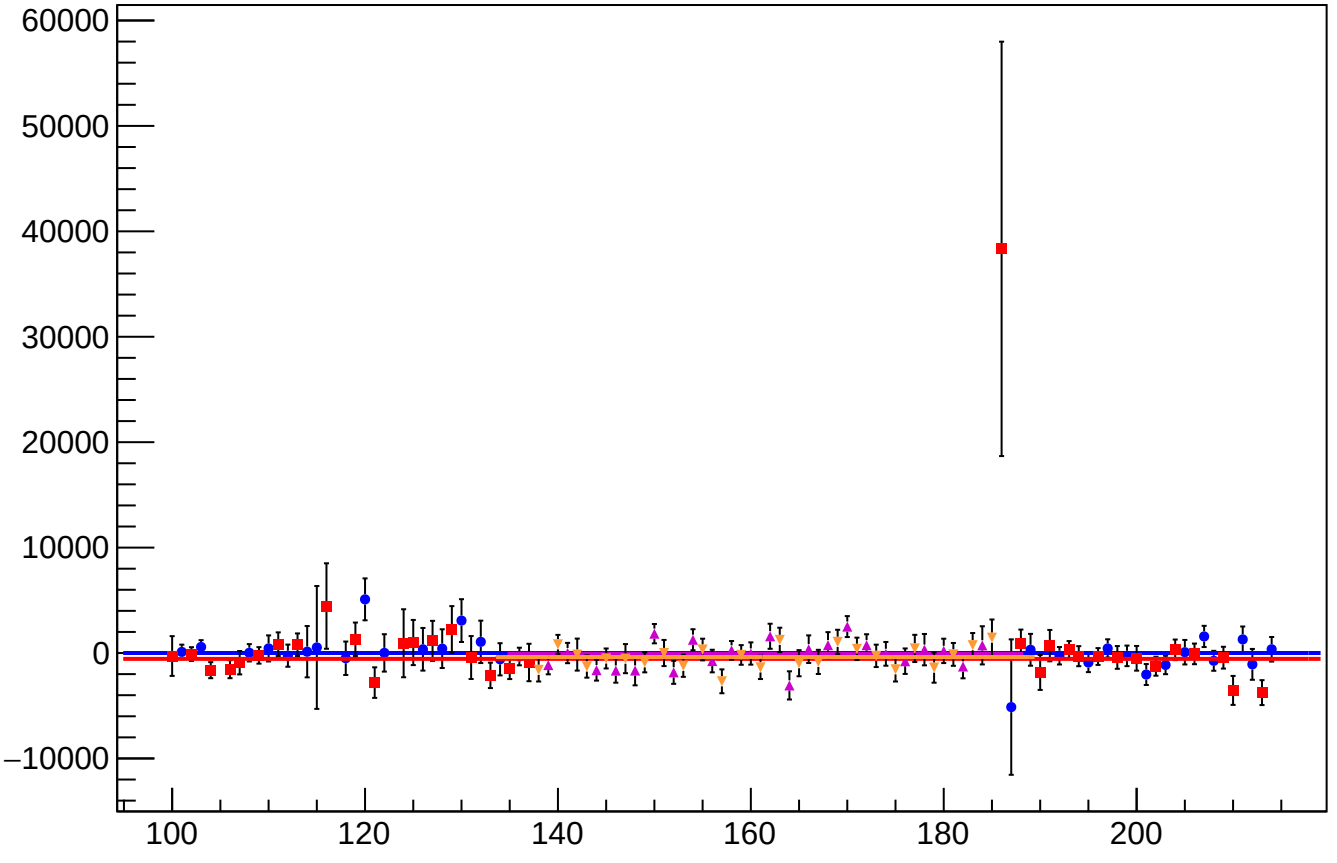
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.736+/-0.016 χ^2/NDF: 3440239.8/54

All: 133.367+/-0.011 χ^2/NDF: 8307732.2/111

- sign 132.011+/-0.016 χ^2/NDF: 4852730.2/56

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: 2.245+/-203.450 χ^2/NDF: 23.4/29

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -553.559+/-194.294 χ^2/NDF: 39.7/33

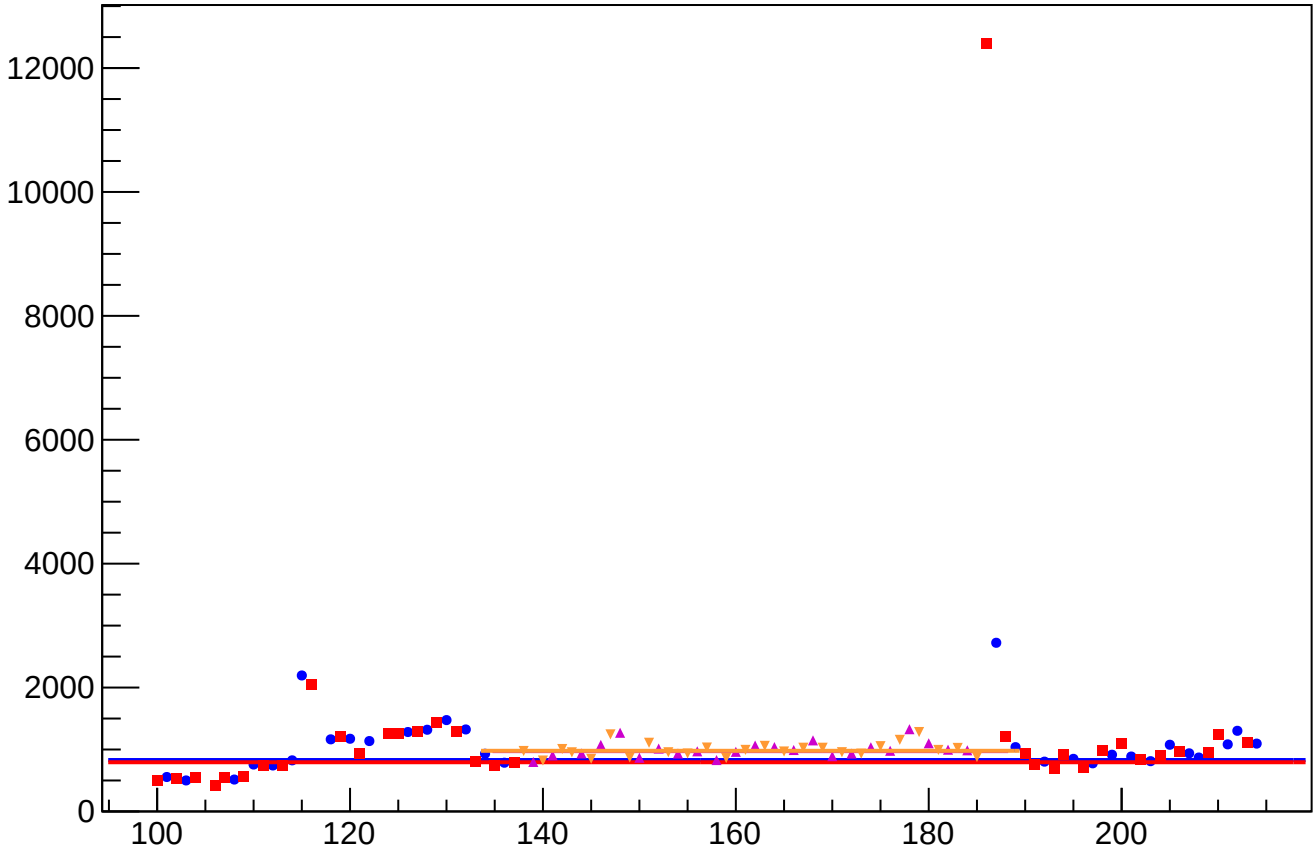
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -170.382+/-150.771 χ^2/NDF: 43.8/54

All: -263.575+/-105.751 χ^2/NDF: 119.8/111

- sign -353.820+/-148.367 χ^2/NDF: 75.3/56

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 830.203+/-0.144 χ^2/NDF: 2808498.8/29

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 794.407+/-0.137 χ^2/NDF: 3879889.1/33

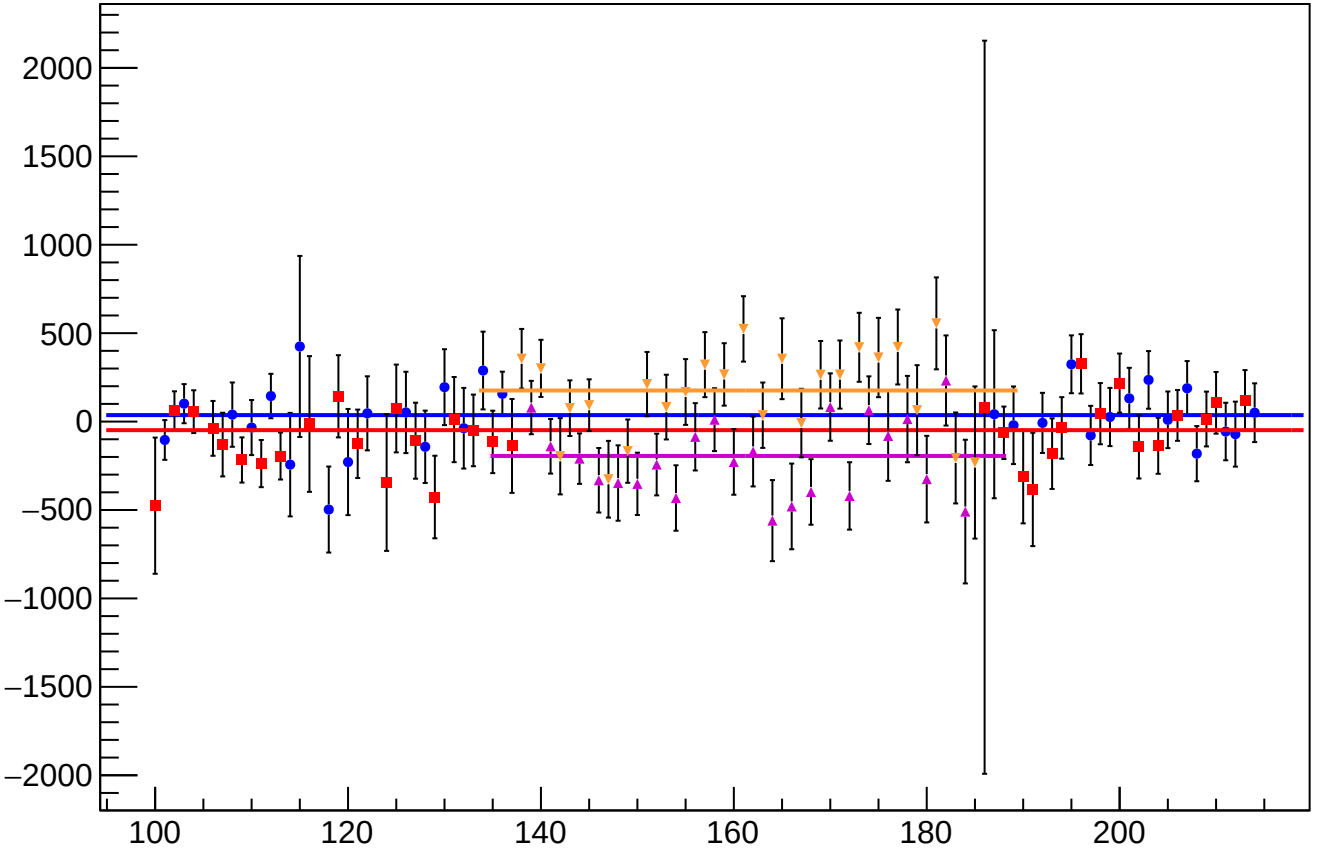
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 897.333+/-0.107 χ^2/NDF: 3721294.1/54

All: 883.041+/-0.075 χ^2/NDF: 8846104.3/111

- sign 869.201+/-0.105 χ^2/NDF: 5089434.5/56

dit_asym_sam5_mean vs Slug



Right In: 36.523+/-31.670 χ^2/NDF: 22.7/29

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -48.499+/-30.567 χ^2/NDF: 26.1/33

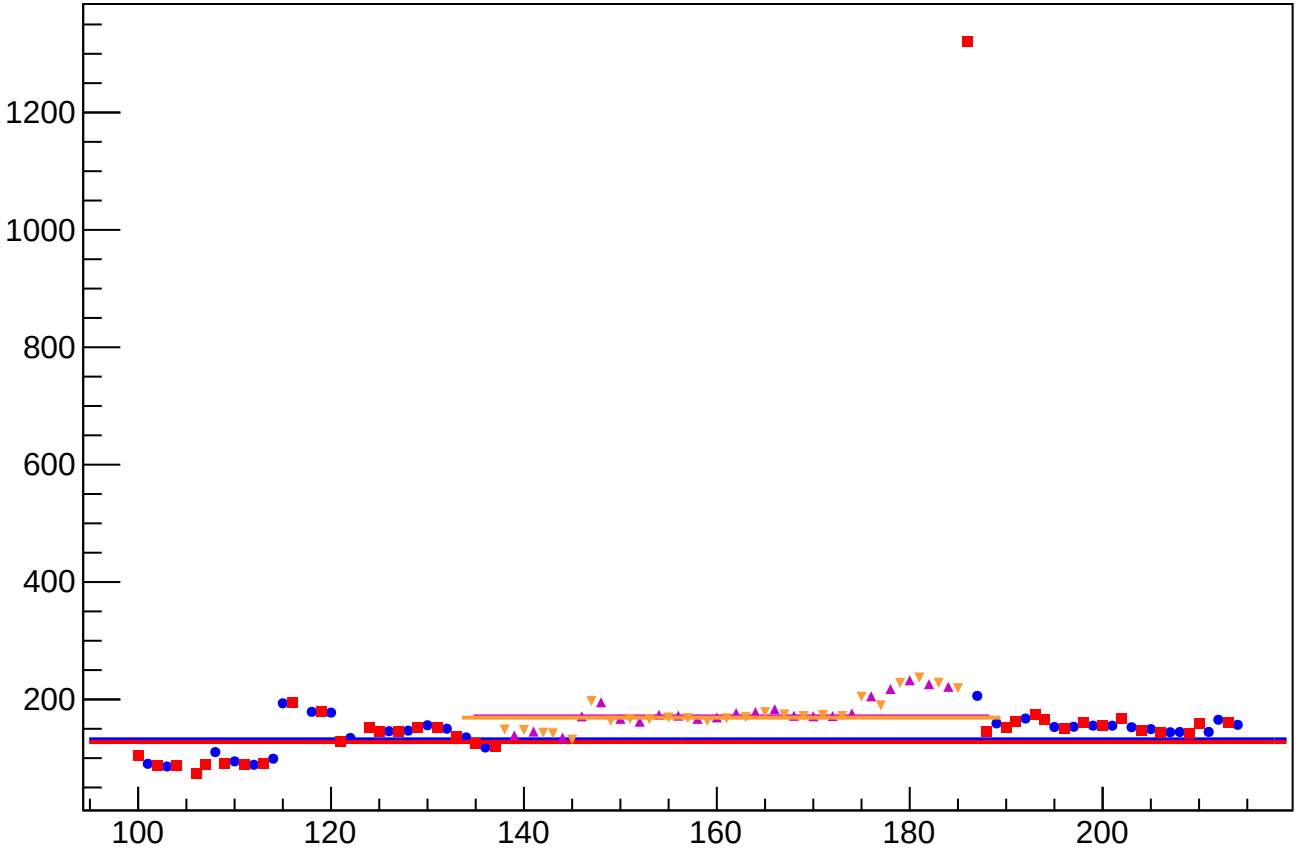
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 92.233+/-24.544 χ^2/NDF: 61.2/54

All: -5.372+/-17.294 χ^2/NDF: 150.9/111

- sign -101.614+/-24.372 χ^2/NDF: 58.3/56

dit_asym_sam5_rms vs Slug



Right In: 132.015+/-0.022 χ^2/NDF: 1774100.3/29

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 127.401+/-0.022 χ^2/NDF: 2993506.2/33

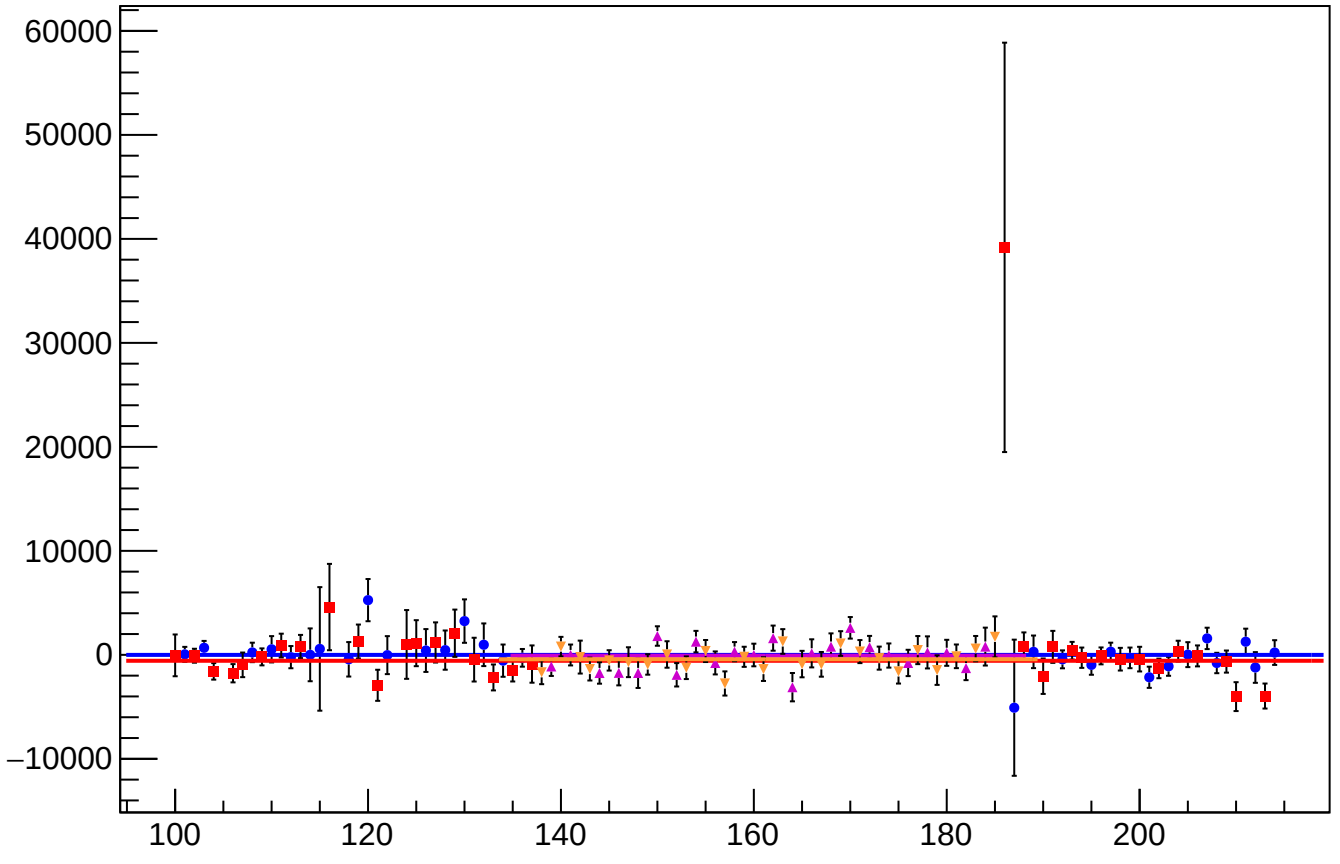
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.790+/-0.017 χ^2/NDF: 3637929.0/54

All: 145.027+/-0.012 χ^2/NDF: 8813515.6/11

- sign 143.289+/-0.017 χ^2/NDF: 5155097.4/56

asym_sam5_dit_correction_mean vs Slug



Right In: -5.286+/-210.355 χ^2/NDF: 23.9/29

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -570.733+/-200.422 χ^2/NDF: 42.6/33

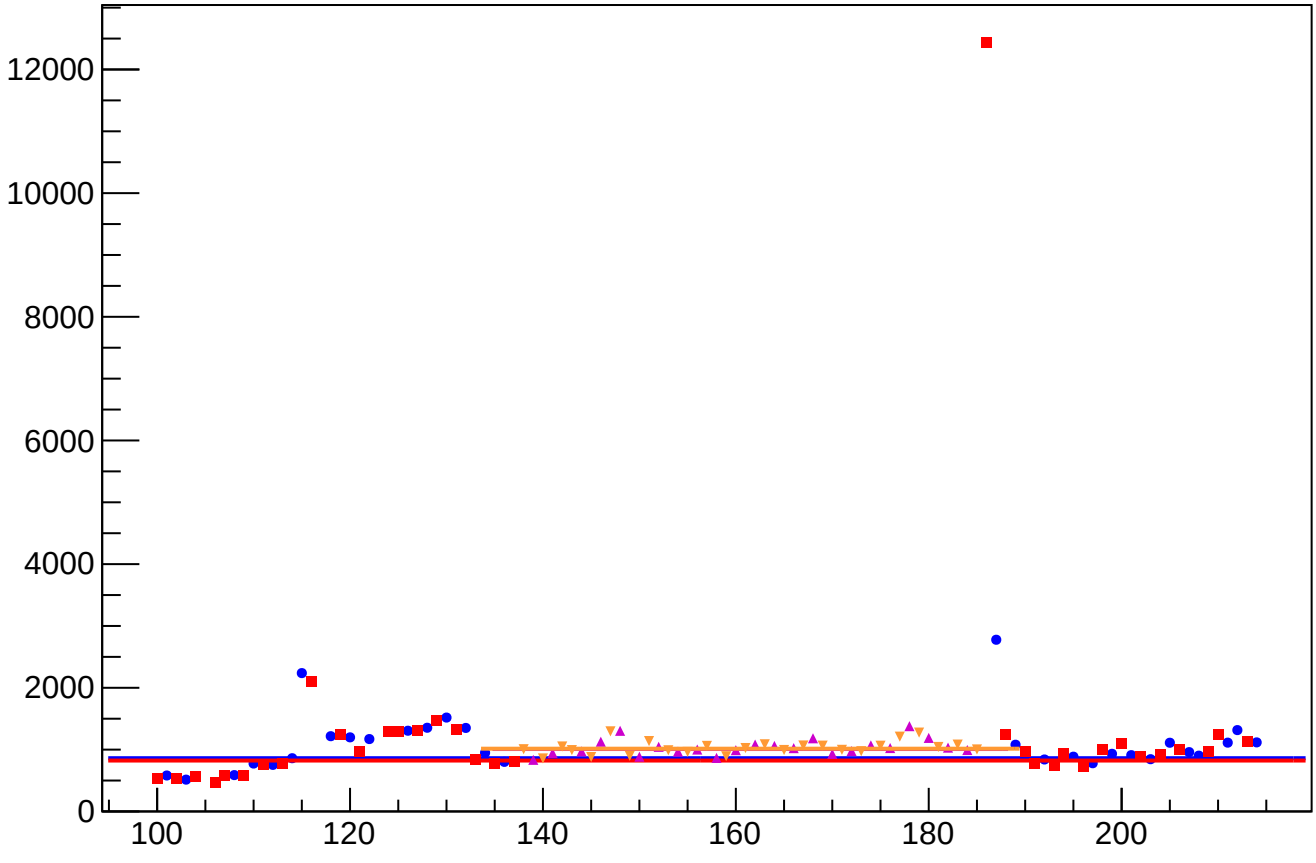
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -194.522+/-156.005 χ^2/NDF: 44.1/54

All: -283.752+/-109.360 χ^2/NDF: 122.2/111

- sign -369.965+/-153.346 χ^2/NDF: 77.5/56

asym_sam5_dit_correction_rms vs Slug



Right In: 861.305+/-0.149 χ^2/NDF: 2637383.2/29

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 823.450+/-0.142 χ^2/NDF: 3687351.3/33

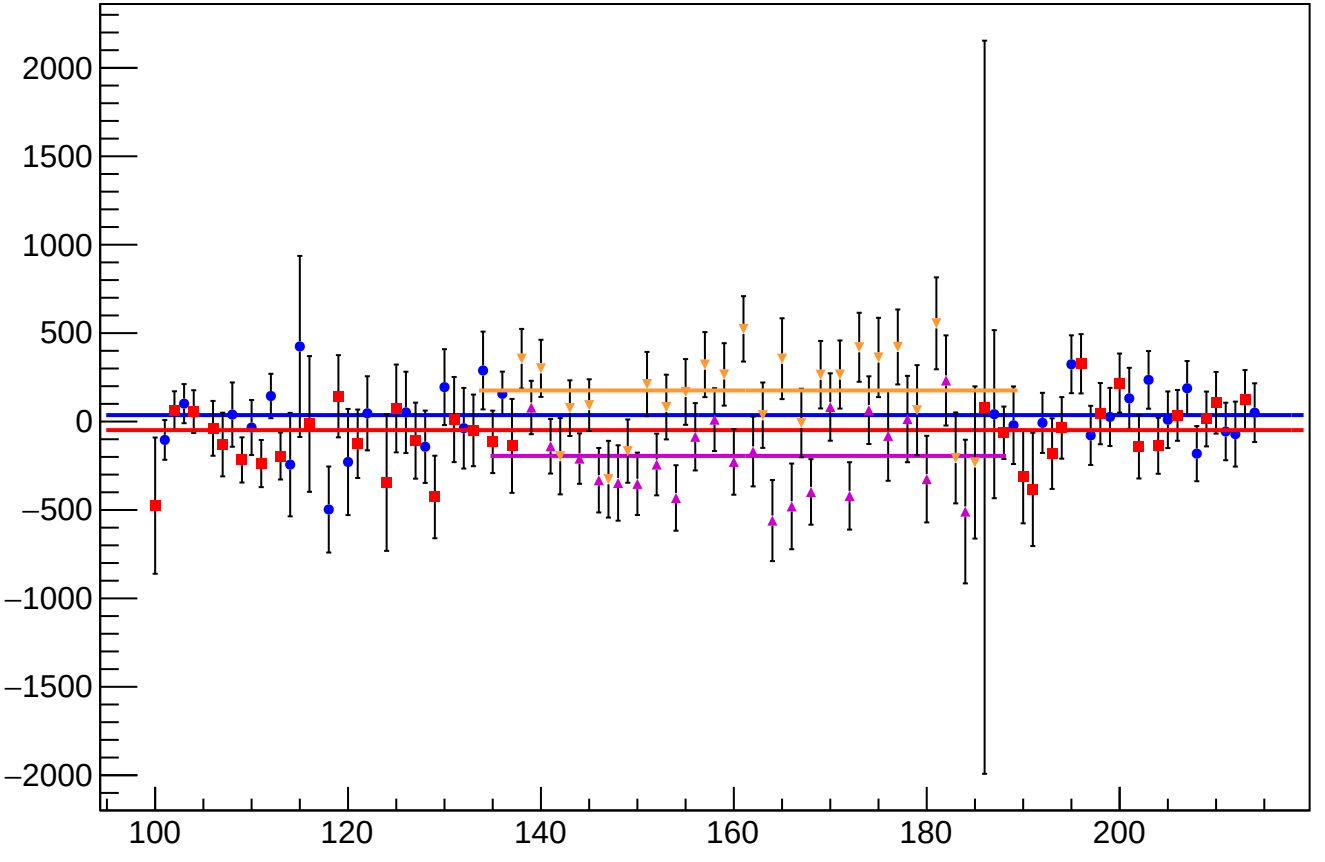
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 930.487+/-0.110 χ^2/NDF: 3516084.8/54

All: 915.316+/-0.077 χ^2/NDF: 8455274.1/111

- sign 900.657+/-0.108 χ^2/NDF: 4901997.9/56

eigen_dit_asym_sam5_mean vs Slug



Right In: 36.523+/-31.670 χ^2/NDF: 22.7/29

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -48.499+/-30.567 χ^2/NDF: 26.1/33

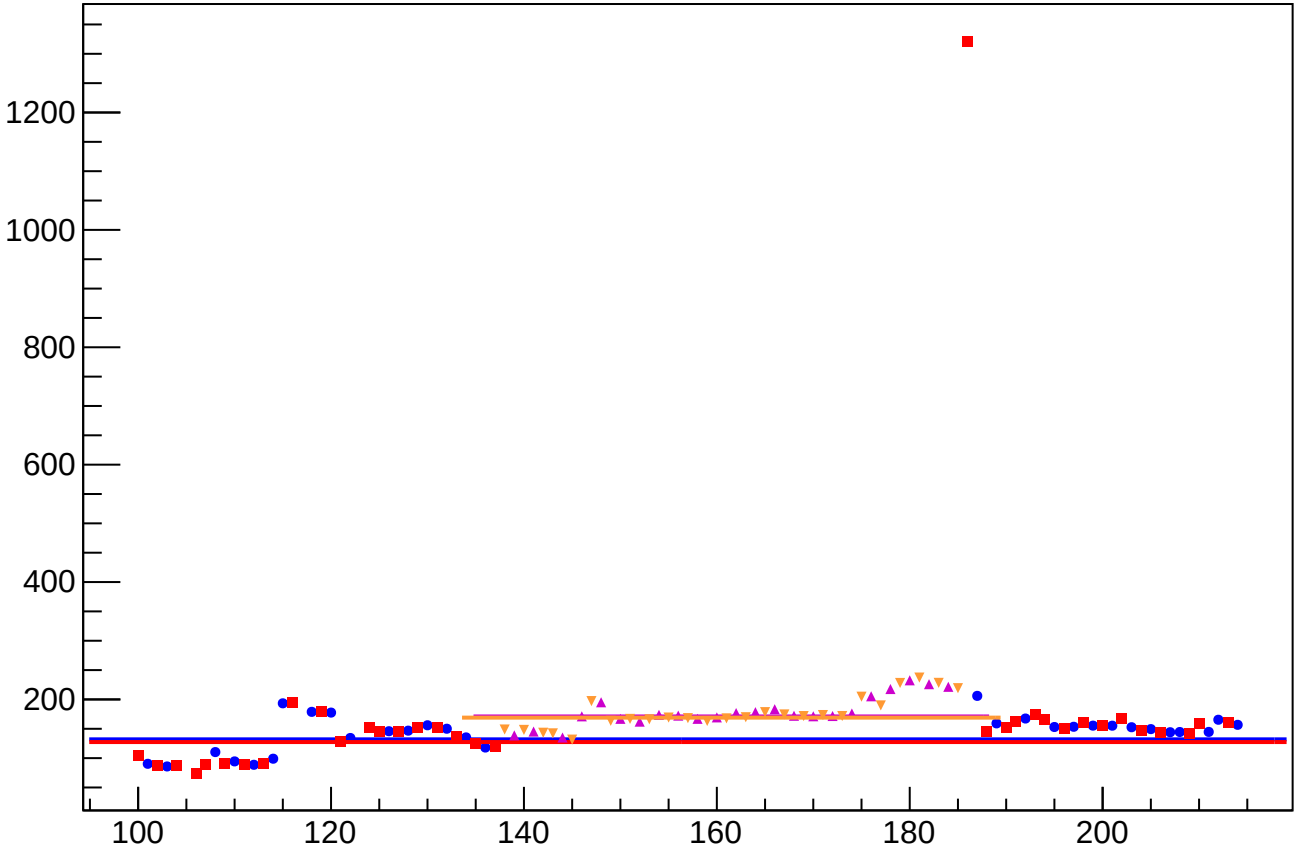
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 92.233+/-24.544 χ^2/NDF: 61.2/54

All: -5.371+/-17.294 χ^2/NDF: 150.9/111

- sign -101.614+/-24.372 χ^2/NDF: 58.3/56

eigen_dit_asym_sam5_rms vs Slug



Right In: 132.015+/-0.022 χ^2/NDF: 1774105.6/29

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 127.401+/-0.022 χ^2/NDF: 2993507.5/33

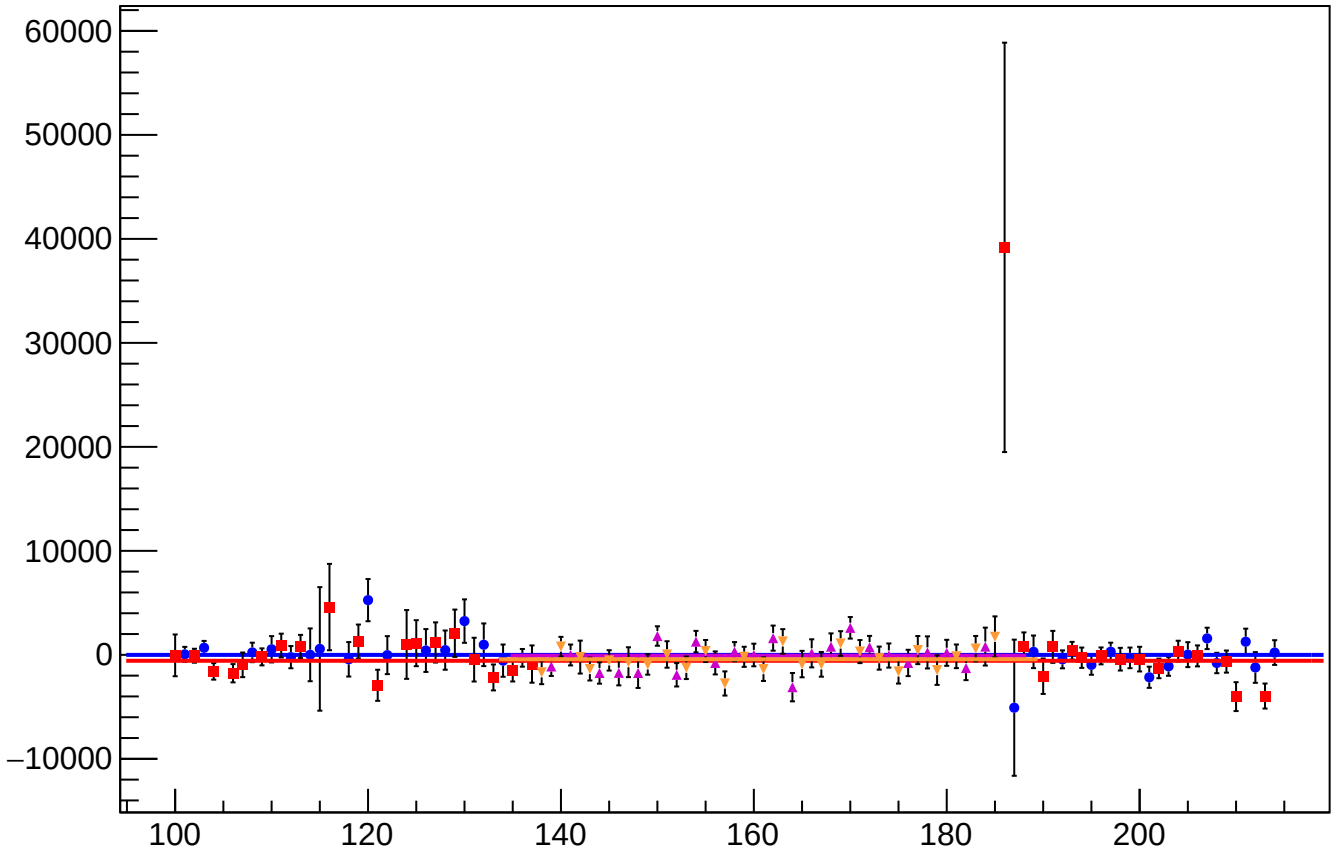
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.790+/-0.017 χ^2/NDF: 3637945.9/54

All: 145.027+/-0.012 χ^2/NDF: 8813554.0/11

- sign 143.289+/-0.017 χ^2/NDF: 5155119.7/56

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -5.285+/-210.355 χ^2/NDF: 23.9/29

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -570.733+/-200.422 χ^2/NDF: 42.6/33

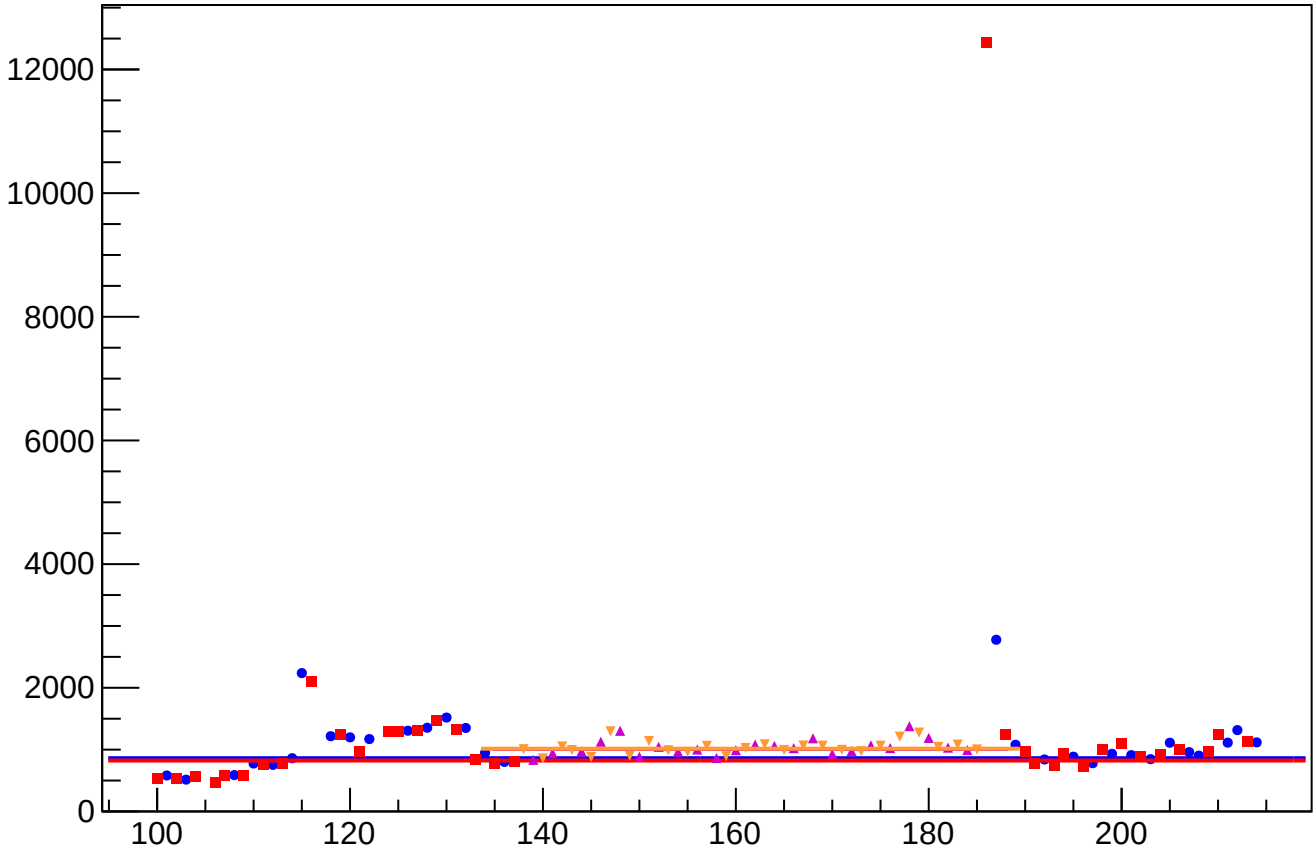
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -194.521+/-156.005 χ^2/NDF: 44.1/54

All: -283.752+/-109.360 χ^2/NDF: 122.2/111

- sign -369.966+/-153.346 χ^2/NDF: 77.5/56

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 861.304+/-0.149 χ^2/NDF: 2637381.0/29

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 823.449+/-0.142 χ^2/NDF: 3687355.6/33

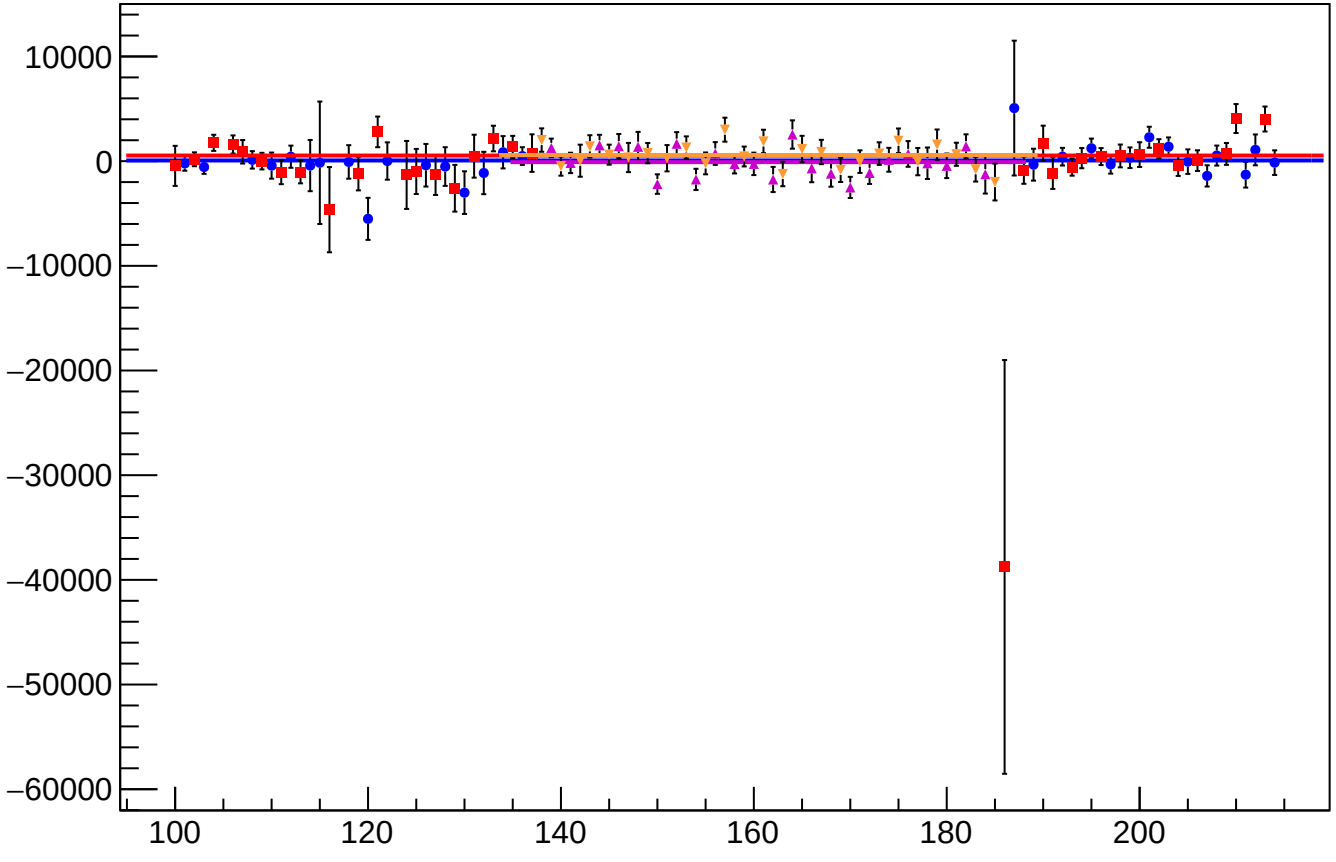
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 930.487+/-0.110 χ^2/NDF: 3516092.3/54

All: 915.316+/-0.077 χ^2/NDF: 8455298.7/11

- sign 900.657+/-0.108 χ^2/NDF: 4902015.3/56

asym_sam5_mean vs Slug



Right In: 66.092+/-205.836 χ^2/NDF: 26.2/29

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 537.361+/-196.694 χ^2/NDF: 46.1/33

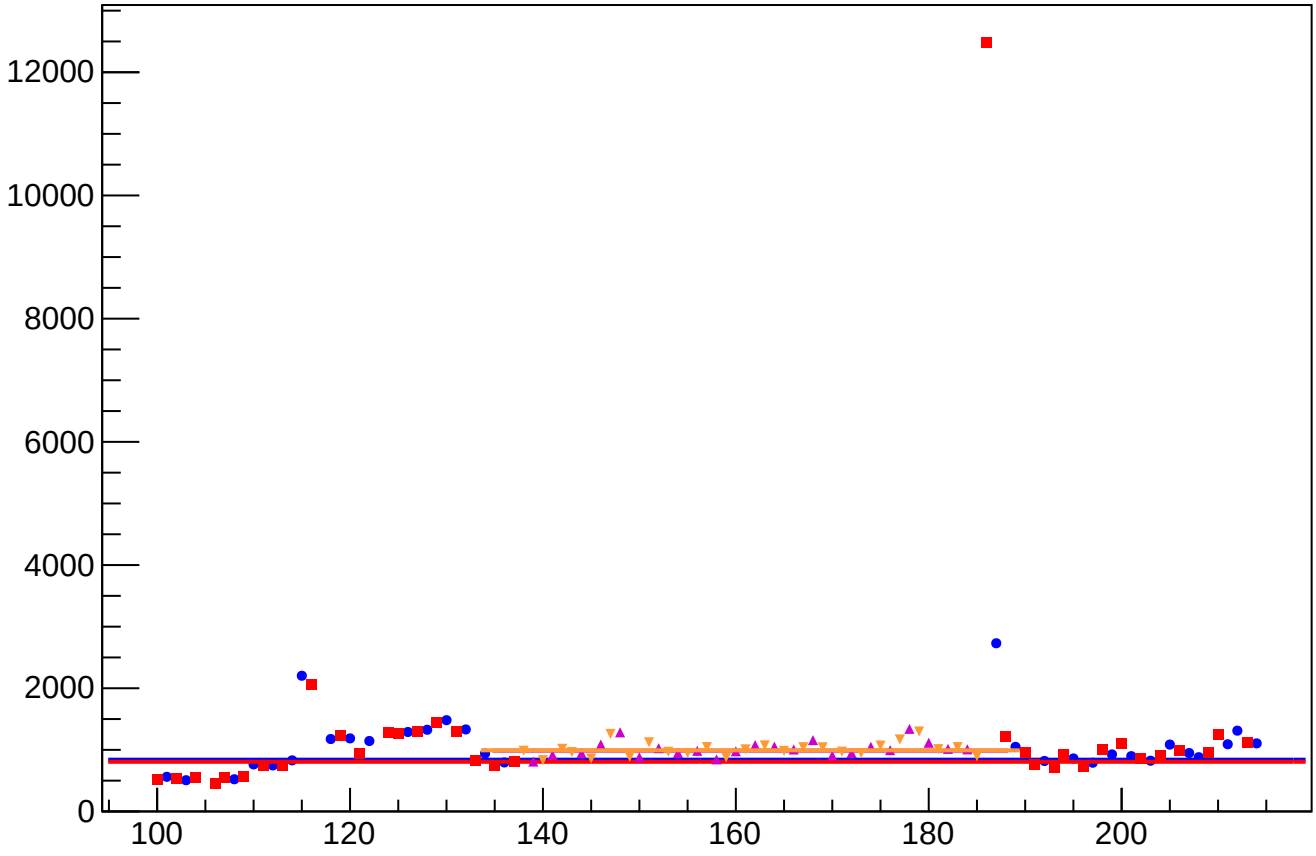
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 300.107+/-152.660 χ^2/NDF: 49.9/54

All: 287.470+/-107.105 χ^2/NDF: 134.8/111

\- sign 275.218+/-150.305 χ^2/NDF: 84.9/56

asym_sam5_rms vs Slug



Right In: 840.573+/-0.146 χ^2/NDF: 2773169.3/29

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 806.025+/-0.139 χ^2/NDF: 3798020.2/33

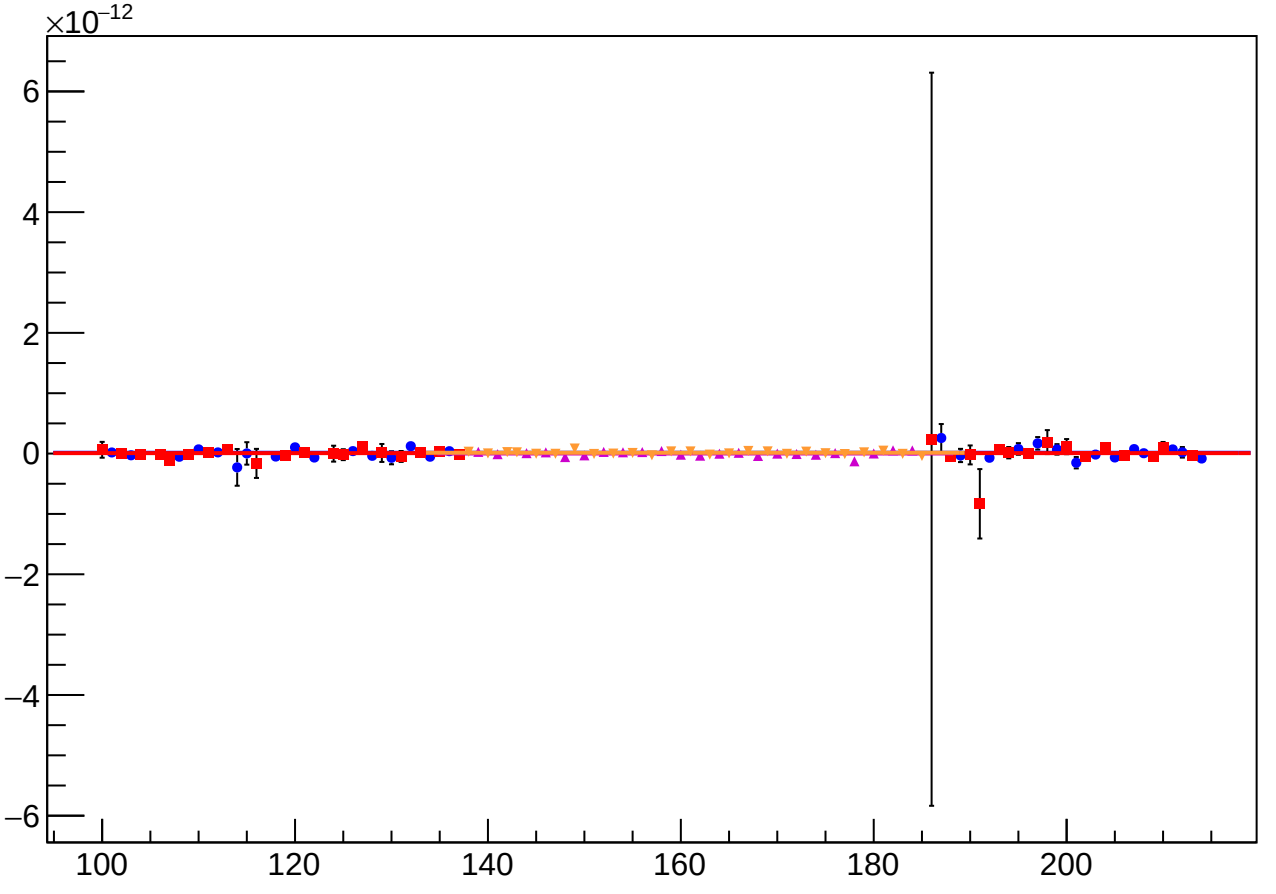
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 908.954+/-0.108 χ^2/NDF: 3688634.3/54

All: 895.089+/-0.076 χ^2/NDF: 8717438.3/11

- sign 881.649+/-0.106 χ^2/NDF: 4996314.8/56

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

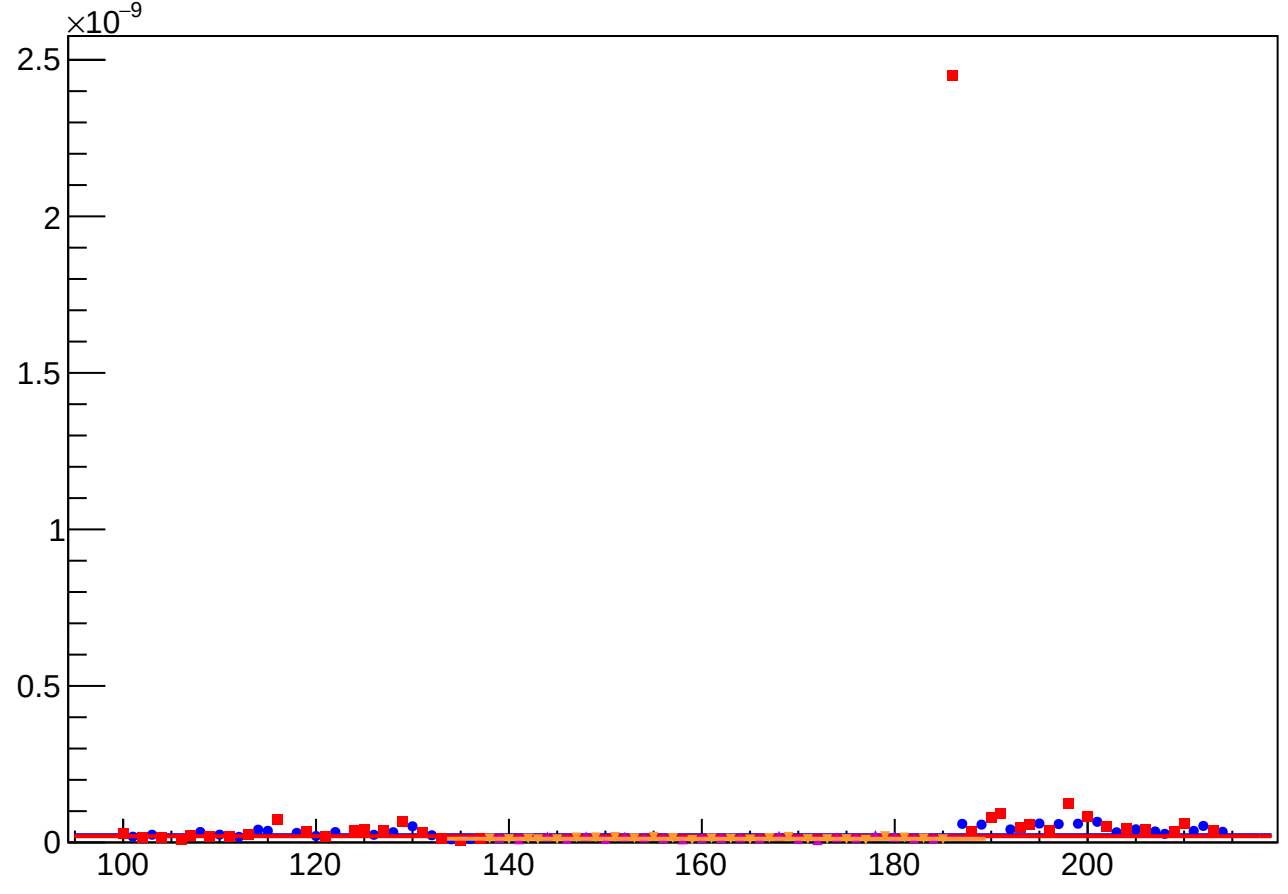
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/33

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

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/54

All: 0.000+/-0.000 χ^2/NDF: 112.4/111

- sign 0.000+/-0.000 χ^2/NDF: 53.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 4126585.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6564894.2/33

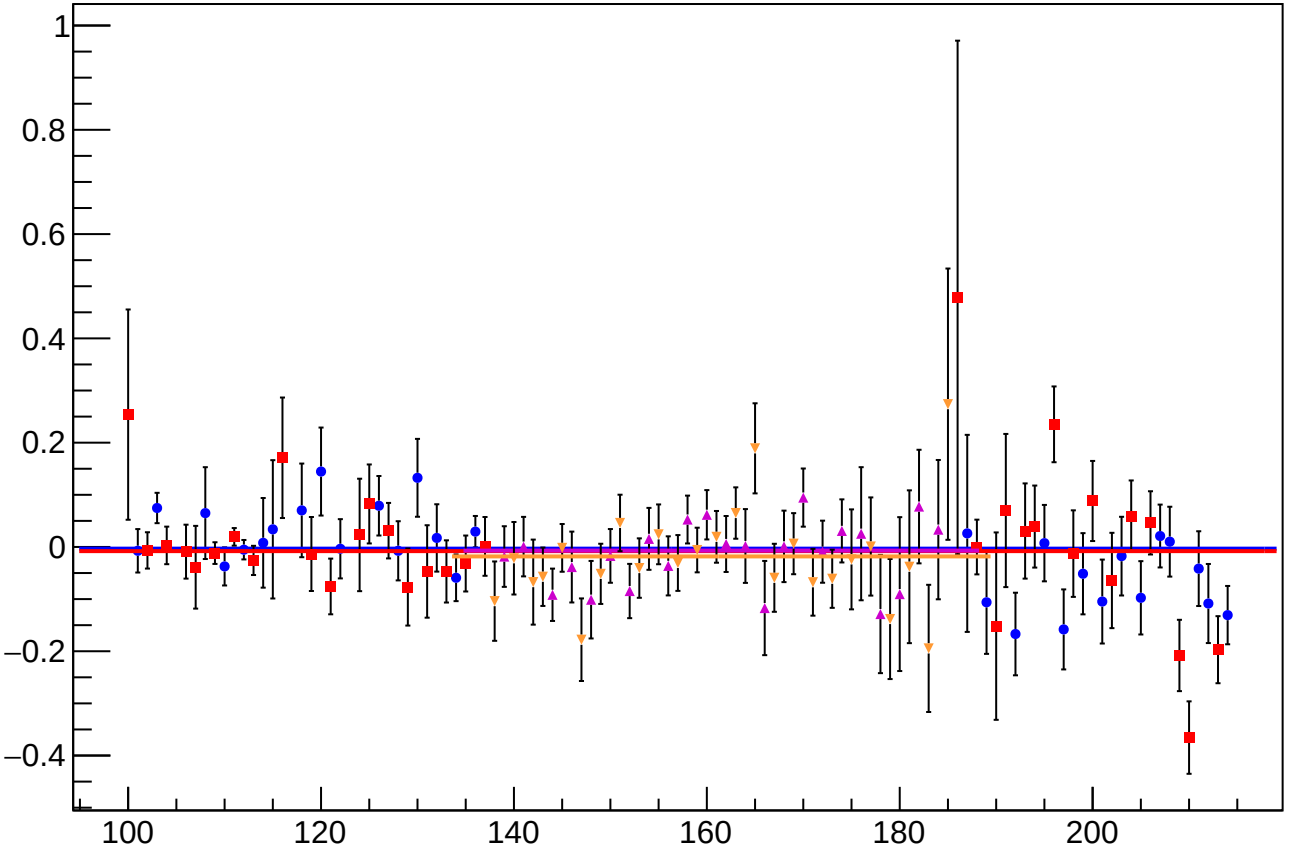
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7345865.2/54

All: 0.000+/-0.000 χ^2/NDF: 15690699.9/111

- sign 0.000+/-0.000 χ^2/NDF: 8259519.7/56

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/29

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.008+/-0.008 χ^2/NDF: 73.8/33

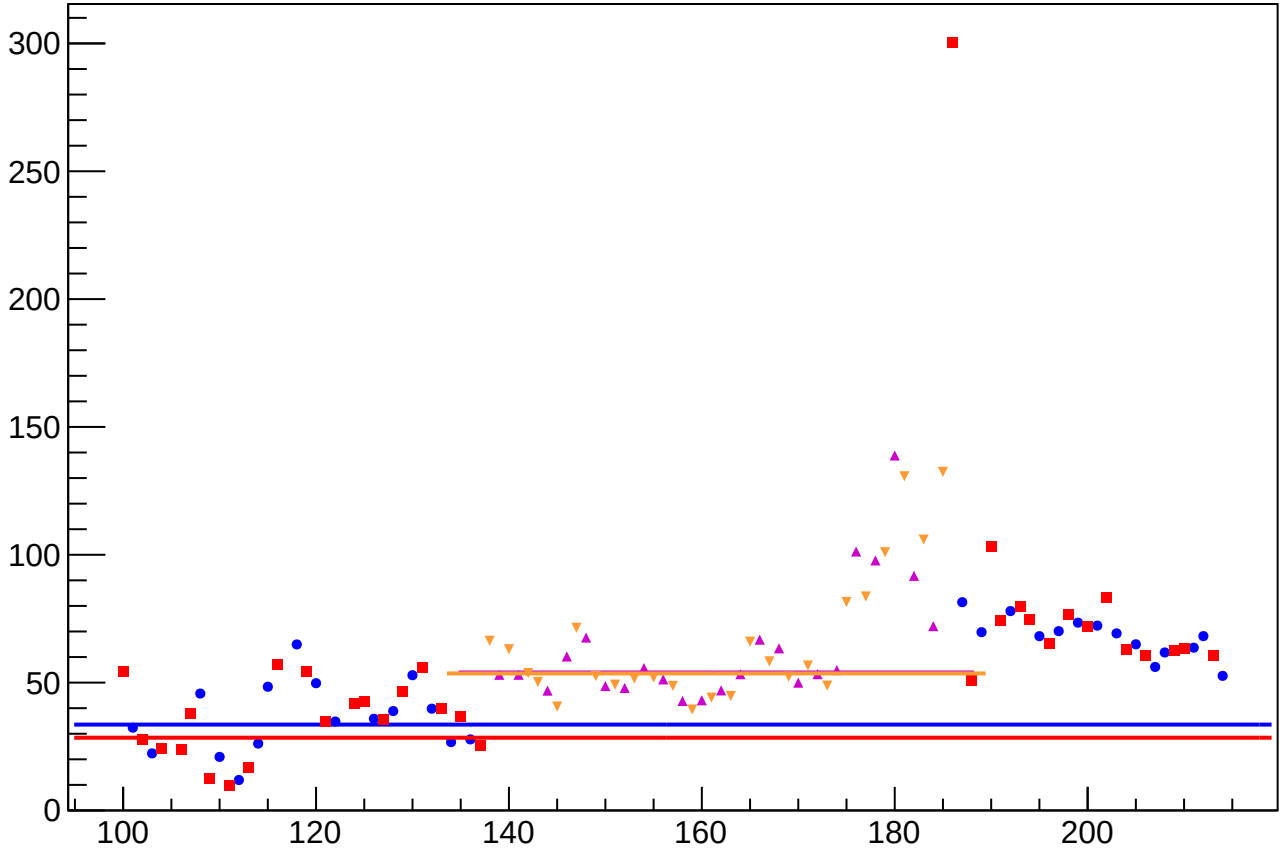
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.008 χ^2/NDF: 66.8/54

All: -0.008+/-0.005 χ^2/NDF: 159.4/111

- sign -0.008+/-0.007 χ^2/NDF: 92.5/56

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 33.578+/-0.007 χ^2/NDF: 9326572.4/29

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032506.0/33

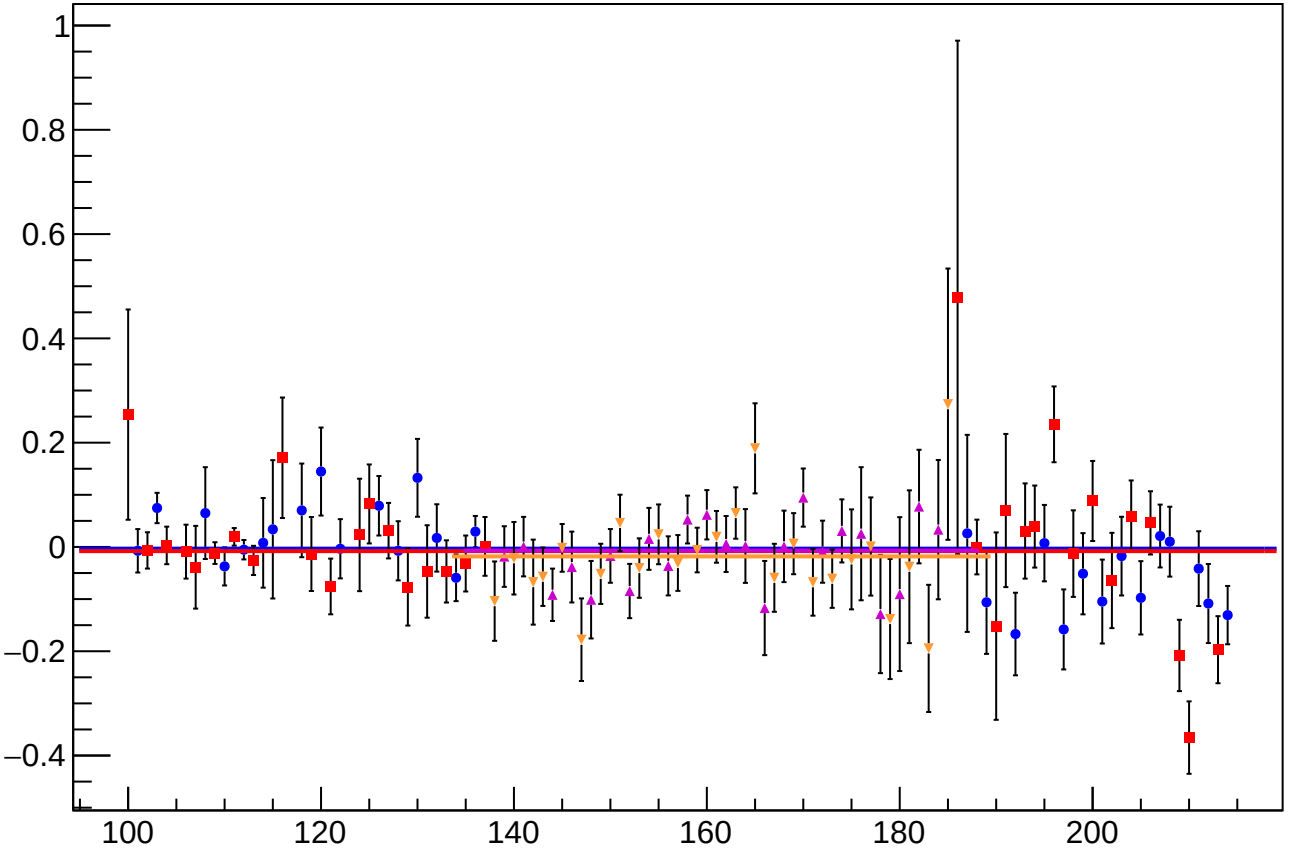
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.533+/-0.005 χ^2/NDF: 15155183.5/54

All: 38.004+/-0.004 χ^2/NDF: 35976207.1/111

- sign 35.784+/-0.005 χ^2/NDF: 20399524.8/56

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/29

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.008+/-0.008 χ^2/NDF: 73.8/33

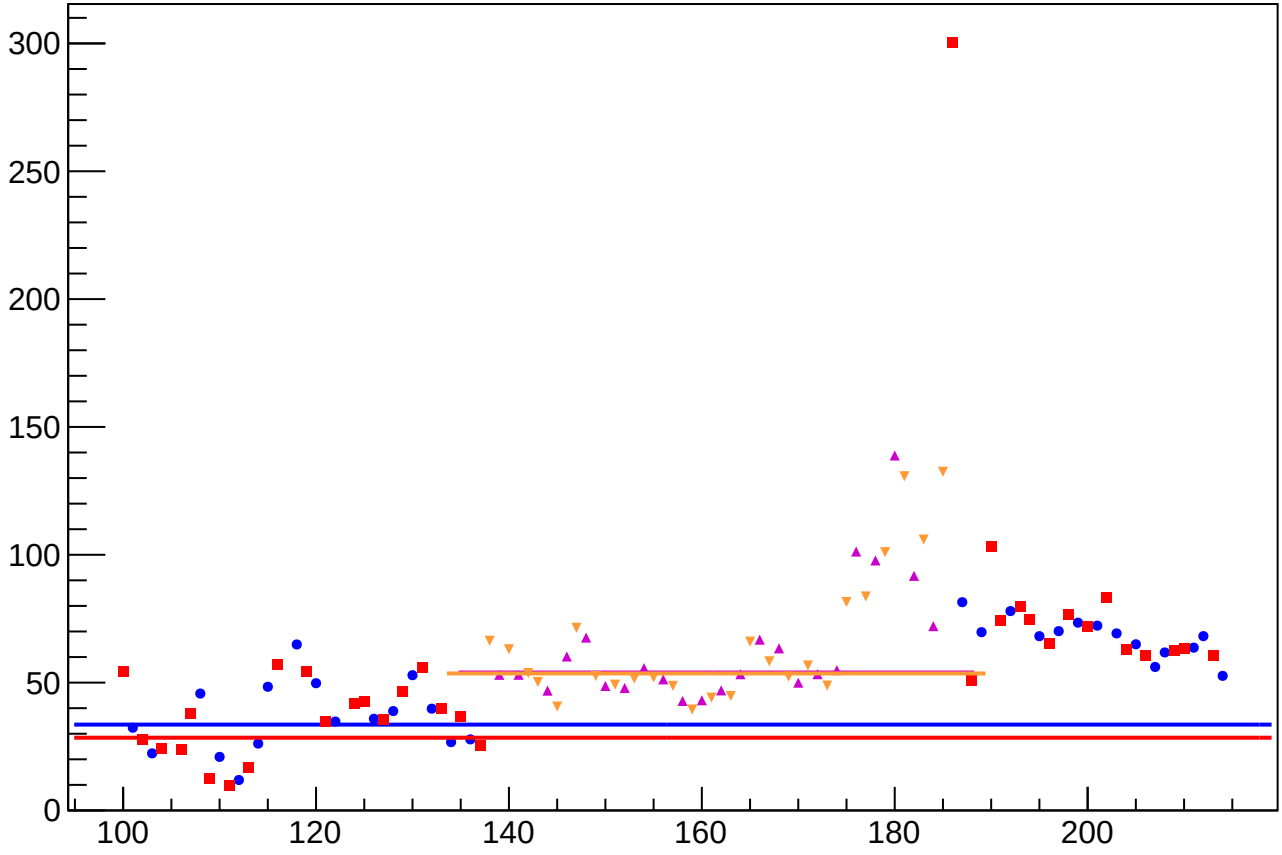
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.008 χ^2/NDF: 66.8/54

All: -0.008+/-0.005 χ^2/NDF: 159.4/111

- sign -0.008+/-0.007 χ^2/NDF: 92.5/56

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.578+/-0.007 χ^2/NDF: 9326572.4/29

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 28.453+/-0.006 χ^2/NDF: 13032506.0/33

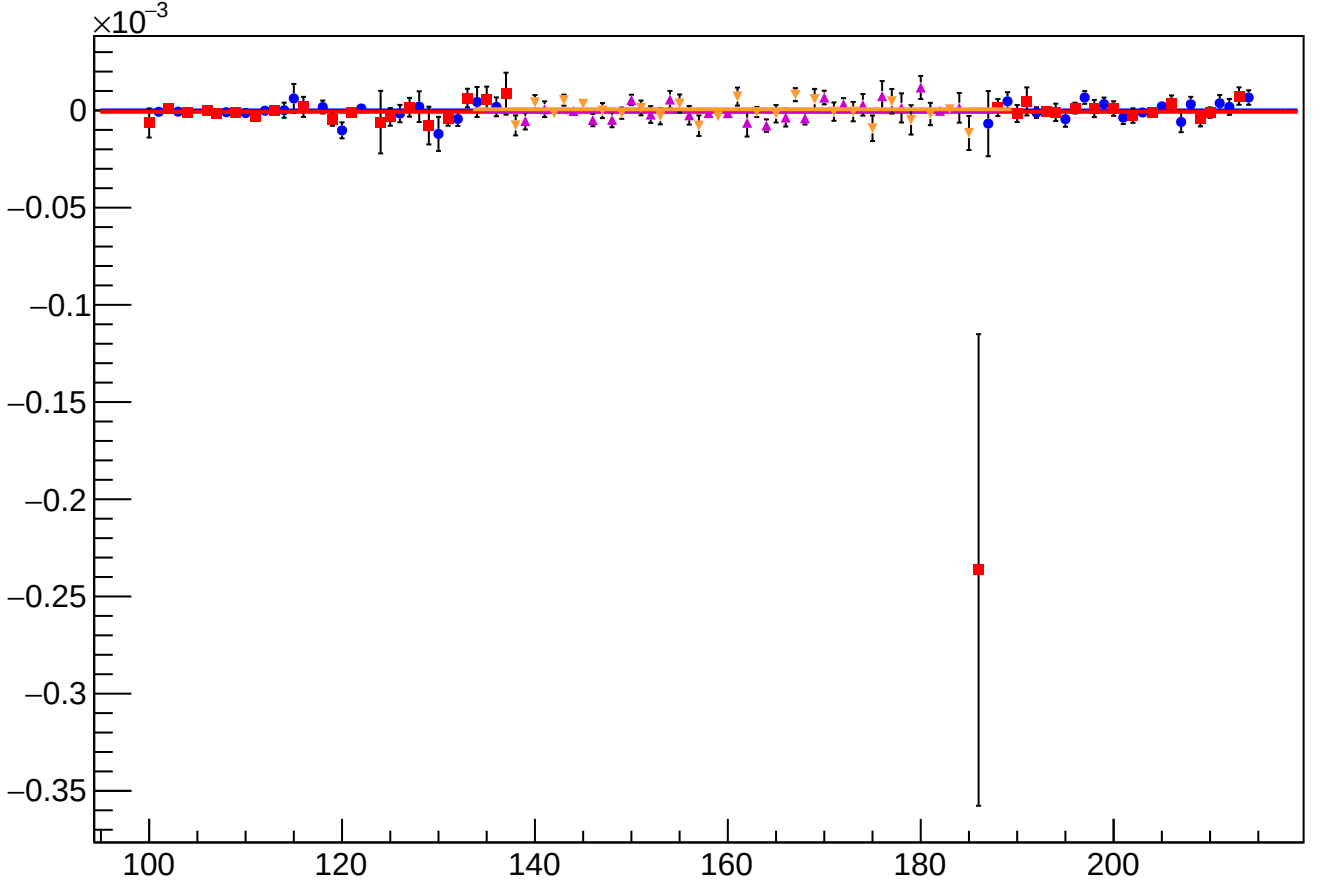
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 40.533+/-0.005 χ^2/NDF: 15155183.5/54

All: 38.004+/-0.004 χ^2/NDF: 35976207.1/111

- sign 35.784+/-0.005 χ^2/NDF: 20399524.8/56

asym_sam5_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/33

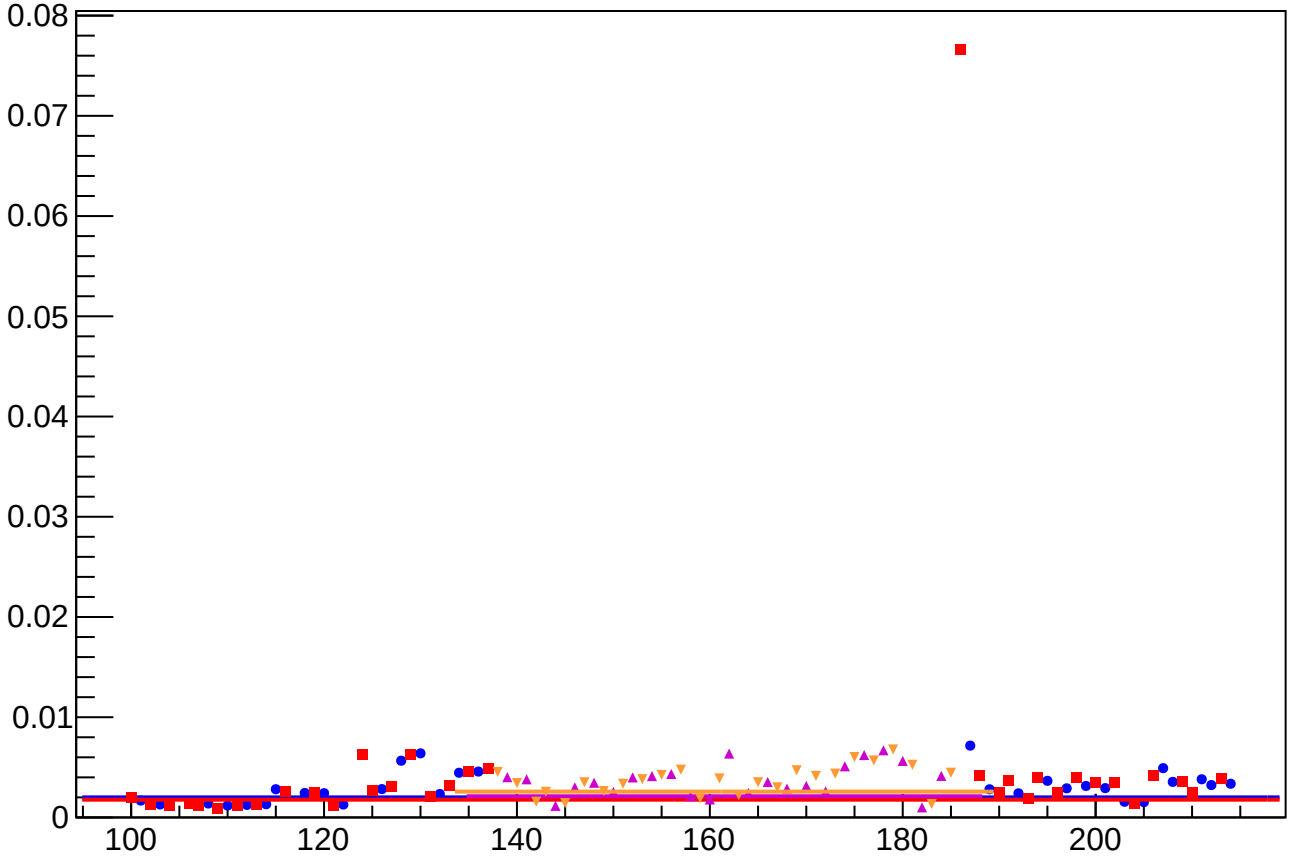
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.5/54

All: -0.000+/-0.000 χ^2/NDF: 116.5/111

- sign -0.000+/-0.000 χ^2/NDF: 53.9/56

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6595184.7/29

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9025204.4/33

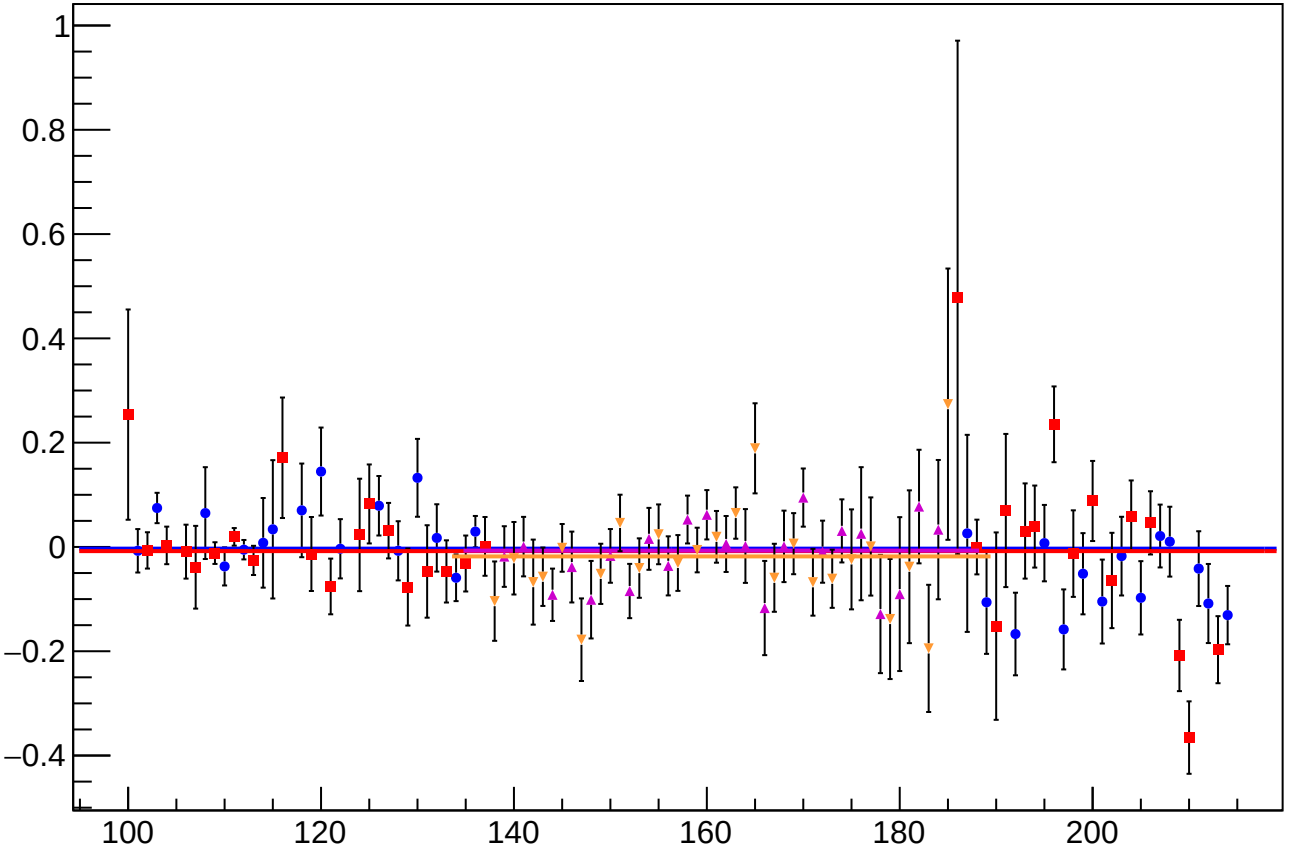
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 14611976.9/54

All: 0.002+/-0.000 χ^2/NDF: 34184995.5/111

- sign 0.002+/-0.000 χ^2/NDF: 18917331.3/56

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/29

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.008+/-0.008 χ^2/NDF: 73.8/33

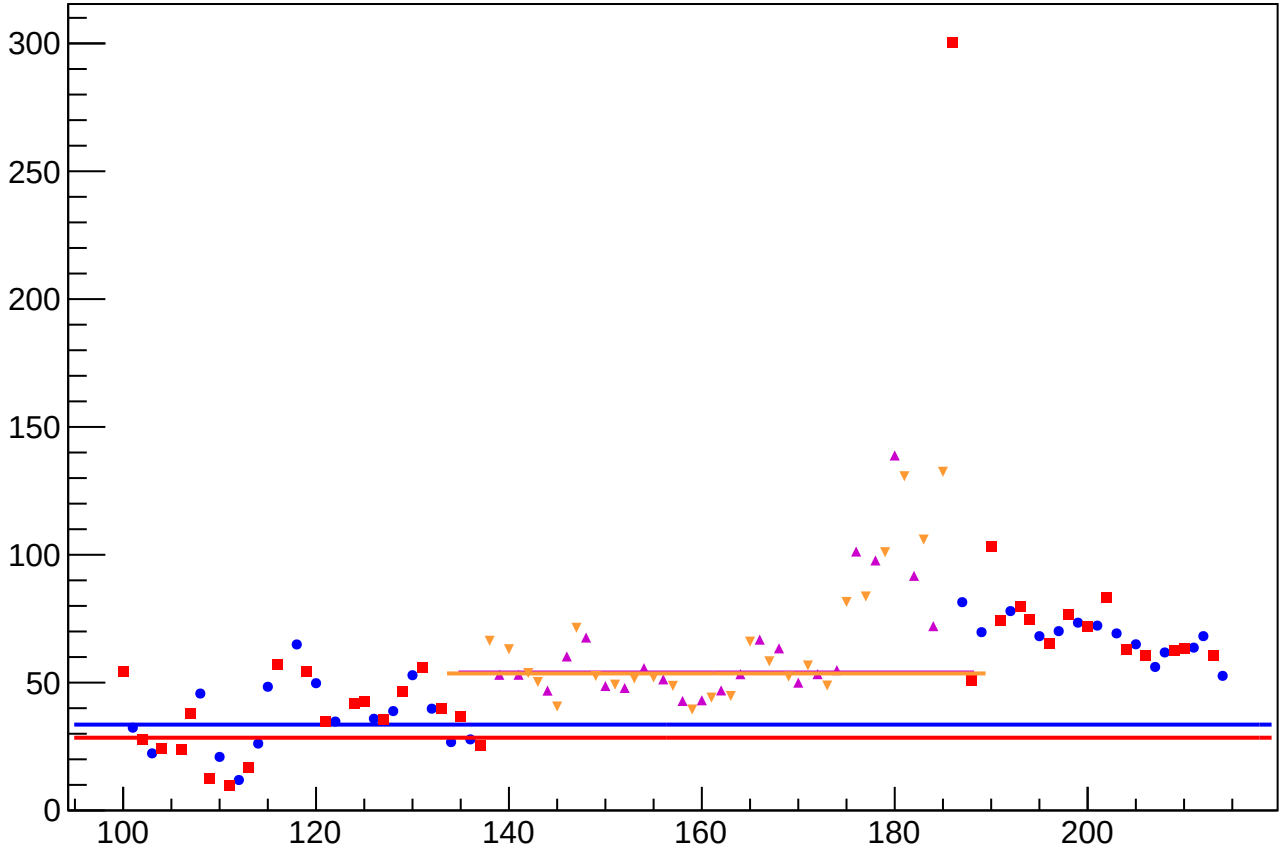
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.008 χ^2/NDF: 66.8/54

All: -0.008+/-0.005 χ^2/NDF: 159.4/111

- sign -0.008+/-0.007 χ^2/NDF: 92.5/56

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.577+/-0.007 χ^2/NDF: 9326675.7/29

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

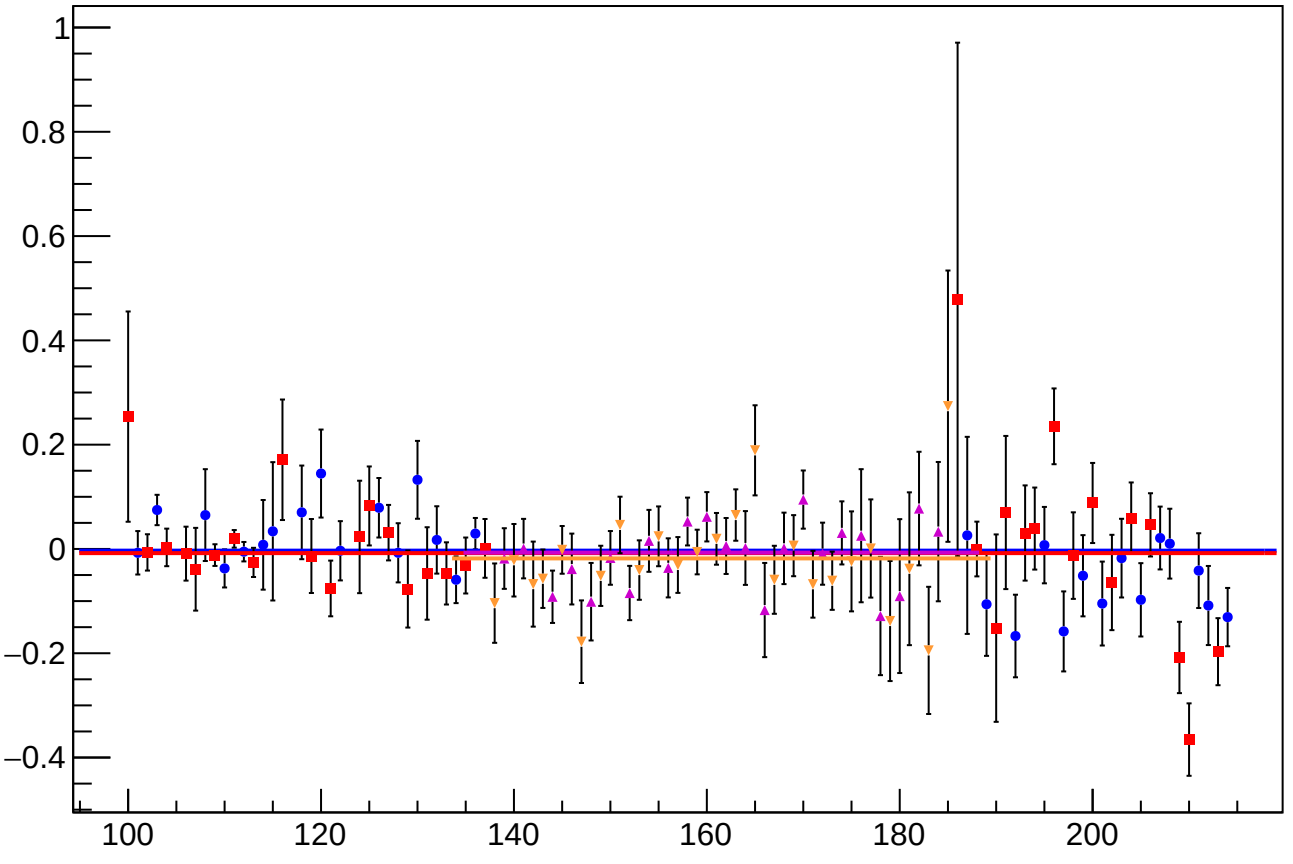
Right Out: 28.453+/-0.006 χ^2/NDF: 13032711.6/33

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.532+/-0.005 χ^2/NDF: 15155666.8/54

All: 38.004+/-0.004 χ^2/NDF: 35977412.4/11

- sign 35.784+/-0.005 χ^2/NDF: 20400215.3/56



Right In: -0.003+/-0.009 χ^2/NDF: 41.6/29

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.008+/-0.008 χ^2/NDF: 73.8/33

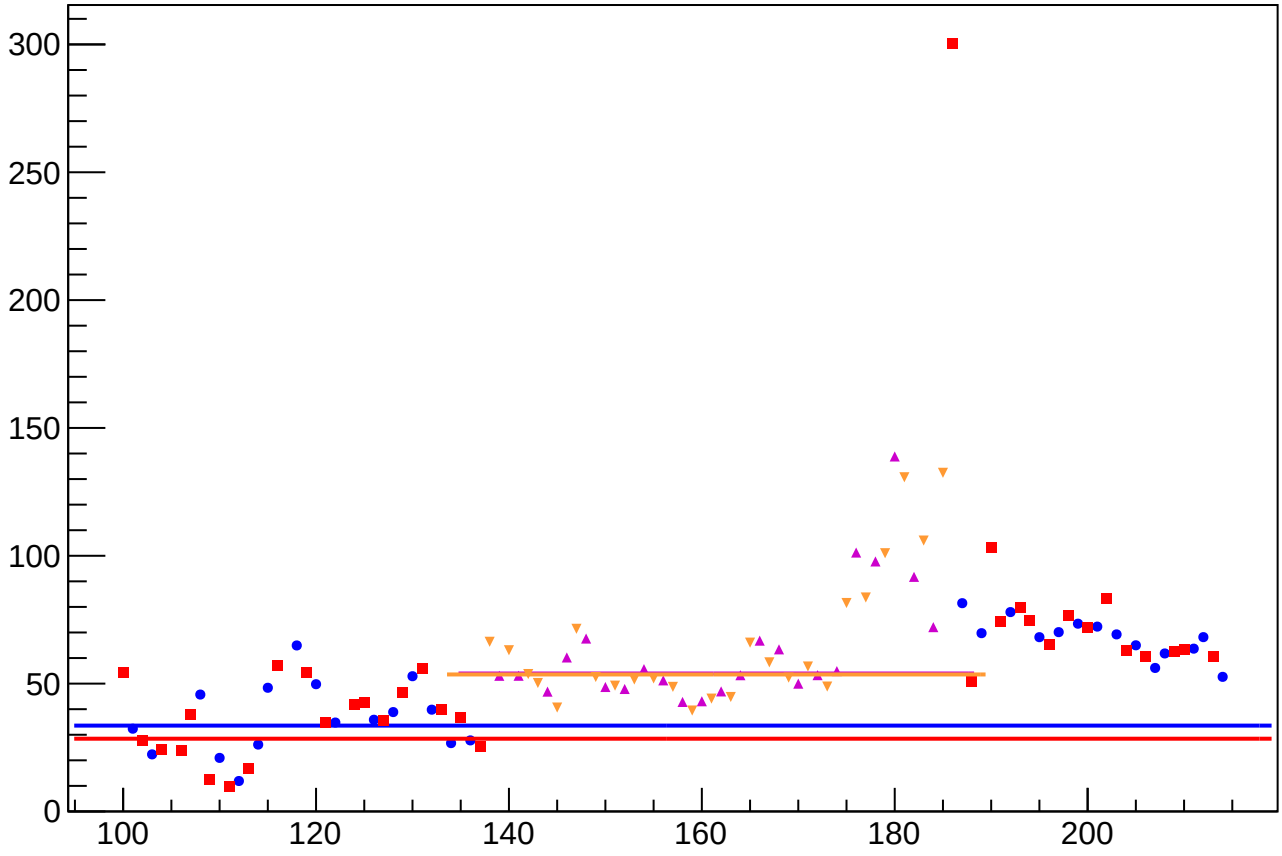
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.008+/-0.008 χ^2/NDF: 66.8/54

All: -0.008+/-0.005 χ^2/NDF: 159.4/111

- sign -0.008+/-0.007 χ^2/NDF: 92.5/56

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.577+/-0.007 χ^2/NDF: 9326675.7/29

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

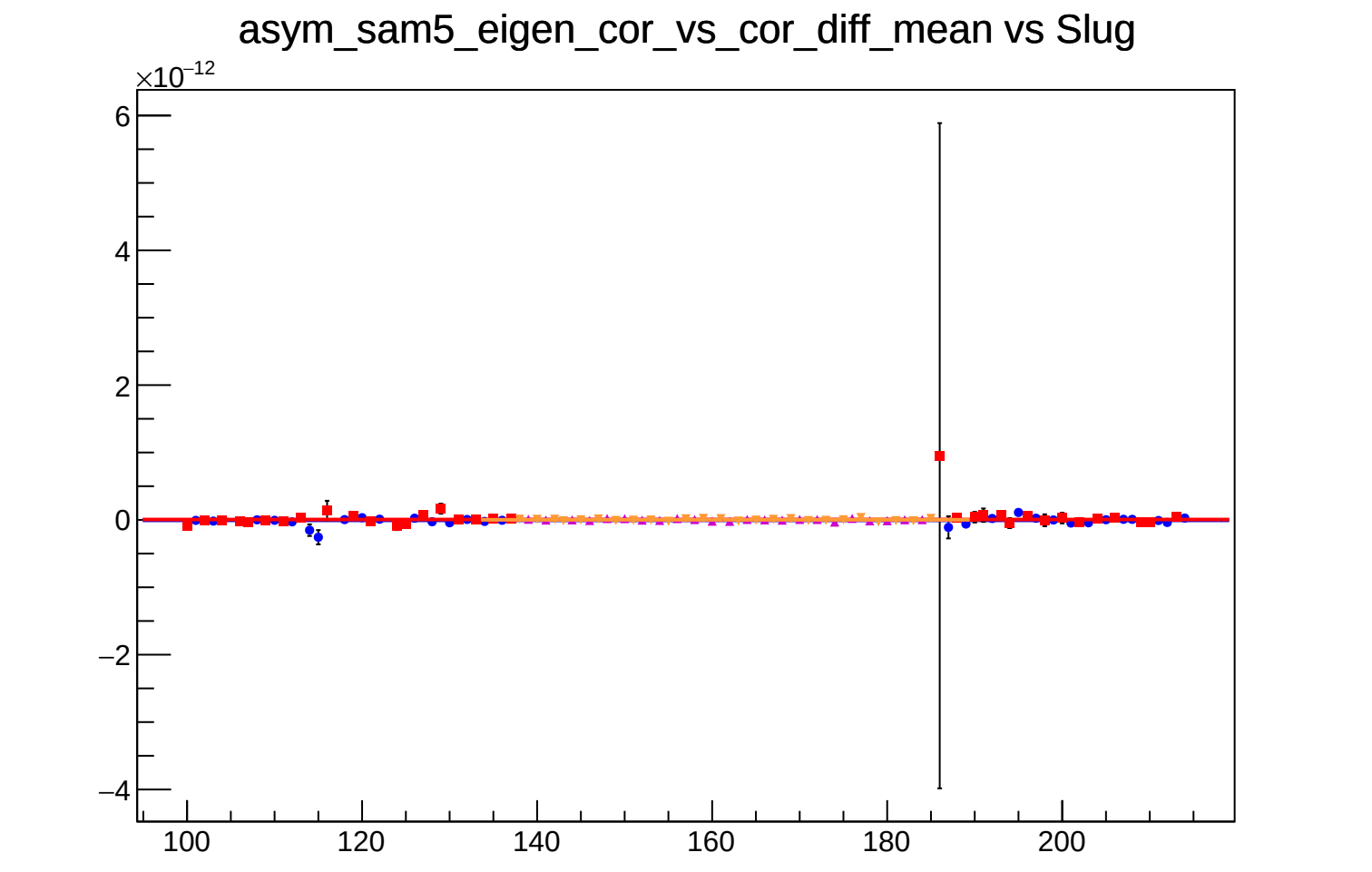
Right Out: 28.453+/-0.006 χ^2/NDF: 13032711.6/33

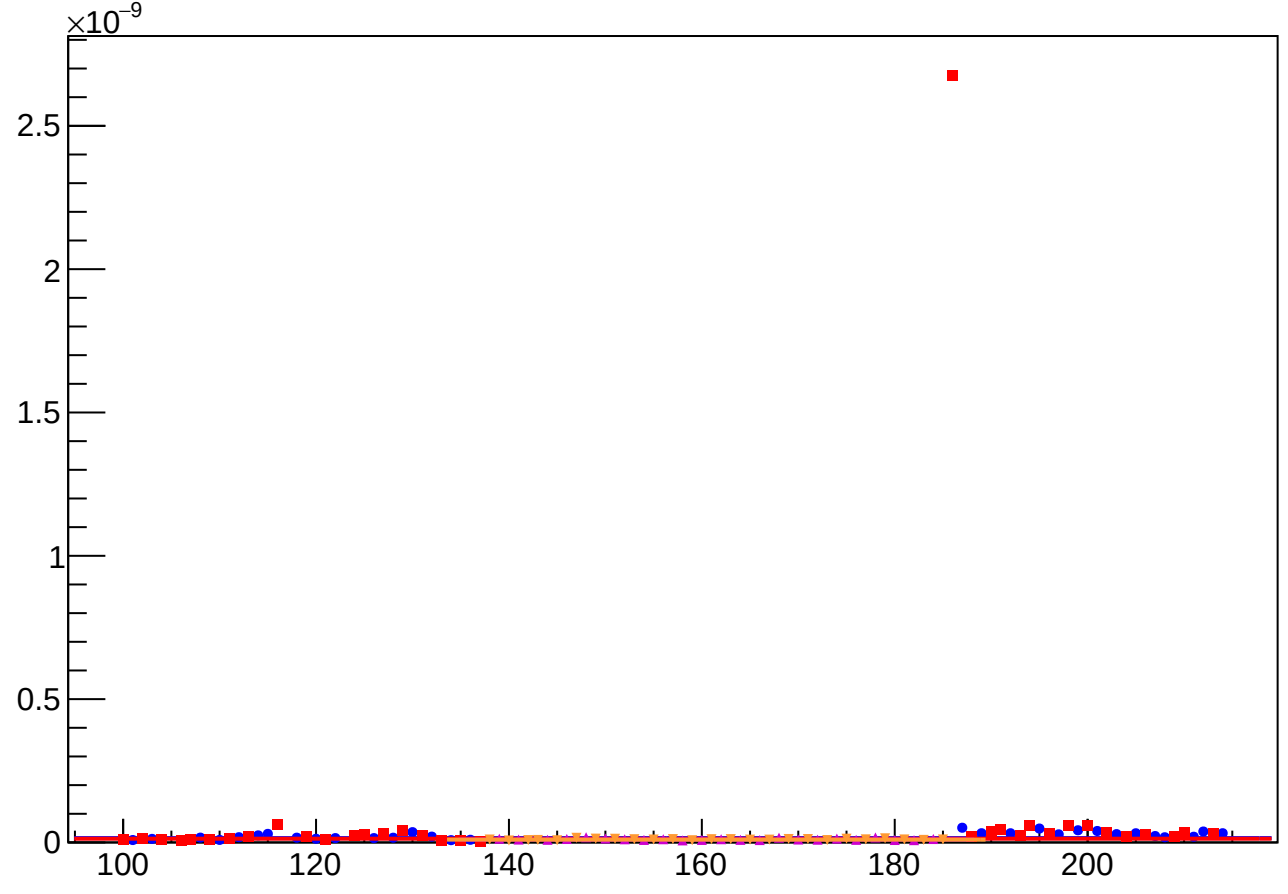
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 40.532+/-0.005 χ^2/NDF: 15155666.8/54

All: 38.004+/-0.004 χ^2/NDF: 35977412.4/11

- sign 35.784+/-0.005 χ^2/NDF: 20400215.3/56


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.6/29
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 40.2/33
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 52.8/54
All: 0.000+/-0.000 χ²/NDF: 112.3/111
- sign 0.000+/-0.000 χ²/NDF: 59.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 5859544.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8952518.0/33

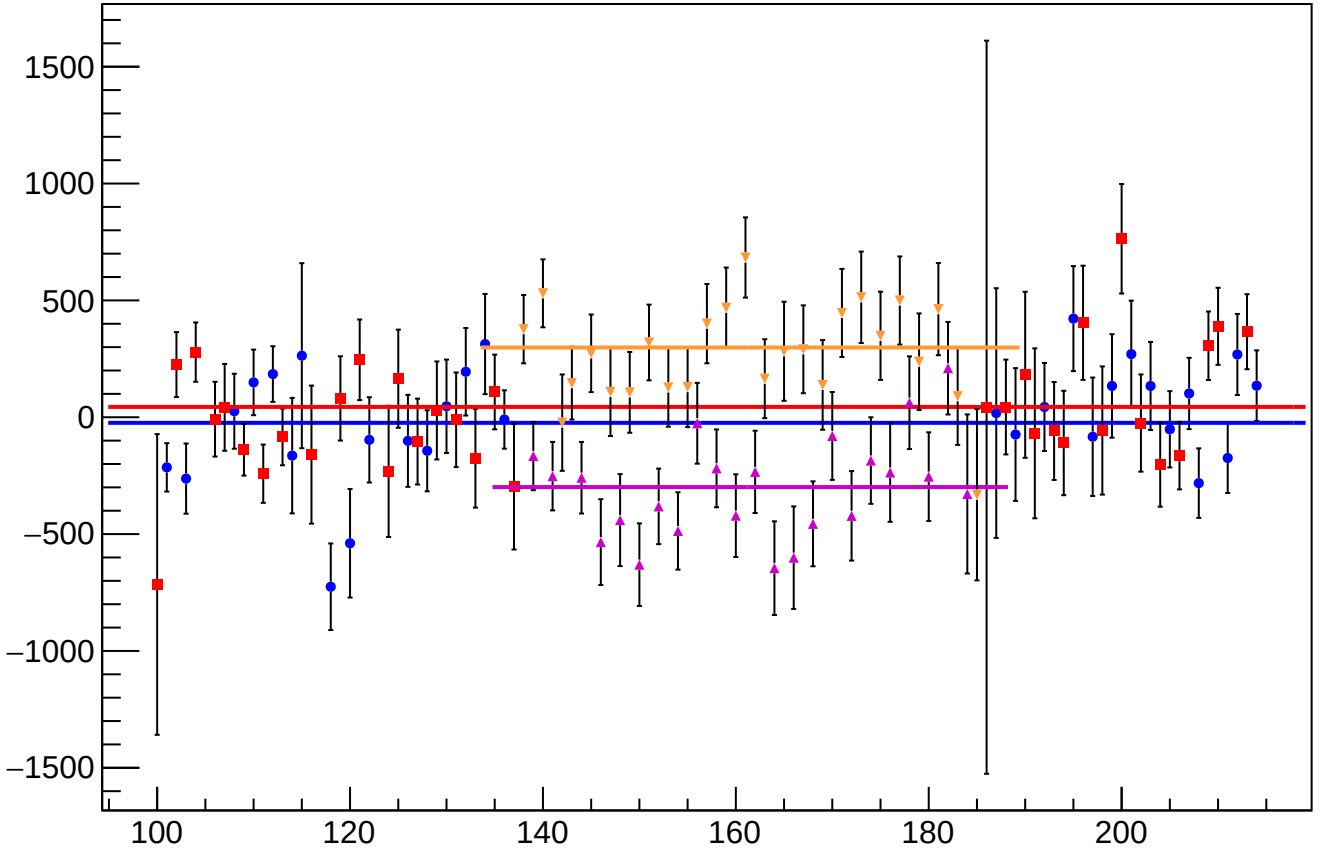
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8721576.4/54

All: 0.000+/-0.000 χ^2/NDF: 19538982.9/111

- sign 0.000+/-0.000 χ^2/NDF: 10817235.0/56

reg_asym_sam6_mean vs Slug



Right In: -23.866+/-31.765 χ^2/NDF: 51.2/29

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 44.222+/-31.348 χ^2/NDF: 50.9/33

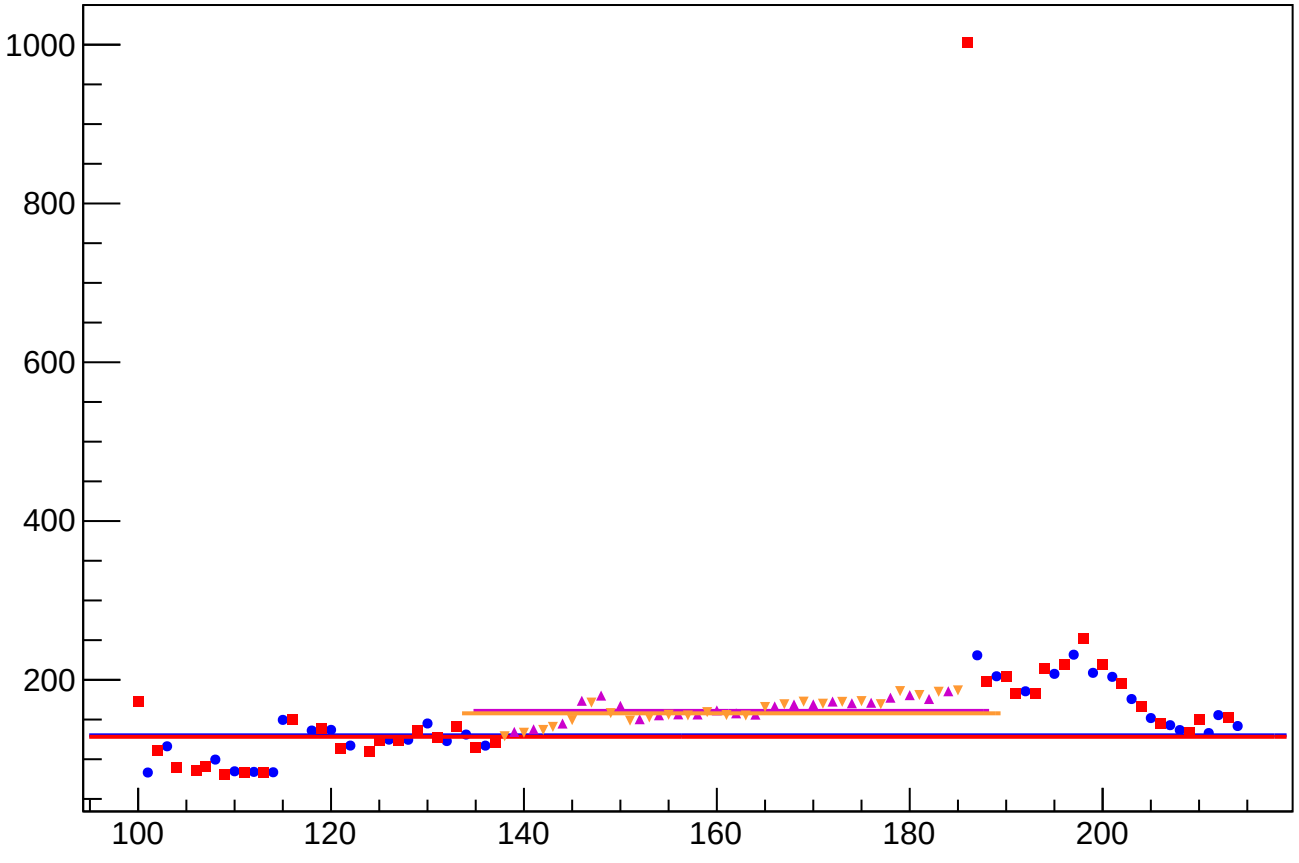
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 117.032+/-23.833 χ^2/NDF: 122.2/54

All: 11.834+/-16.950 χ^2/NDF: 290.8/111

- sign -95.830+/-24.111 χ^2/NDF: 129.2/56

reg_asym_sam6_rms vs Slug



Right In: 130.109+/-0.022 χ^2/NDF: 2762784.1/29

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.277+/-0.022 χ^2/NDF: 4246561.4/33

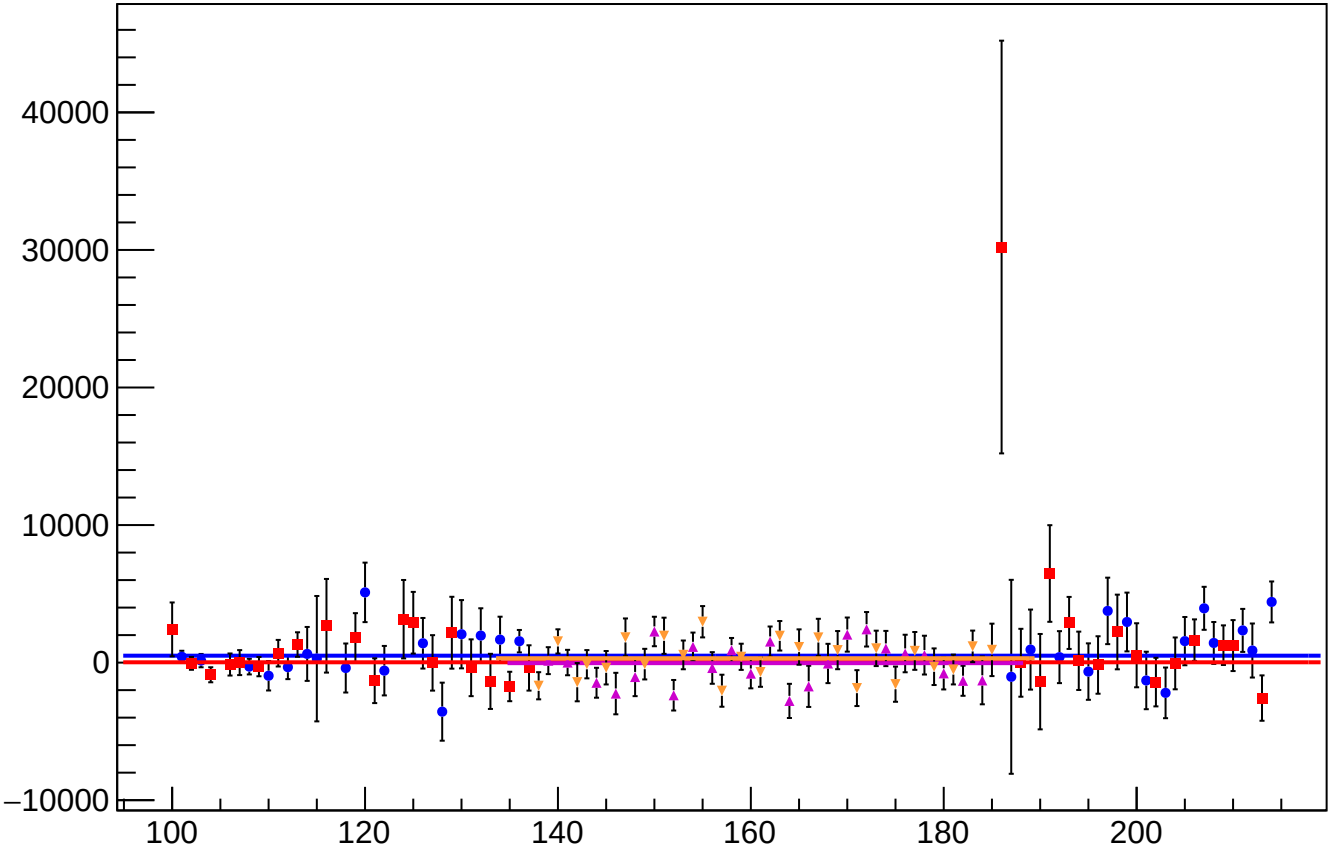
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.227+/-0.017 χ^2/NDF: 3806003.5/54

All: 141.913+/-0.012 χ^2/NDF: 9204869.9/11

- sign 141.591+/-0.017 χ^2/NDF: 5398161.7/56

asym_sam6_reg_correction_mean vs Slug



Right In: 504.010+/-210.114 χ^2/NDF: 37.8/29

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 23.780+/-212.612 χ^2/NDF: 32.3/33

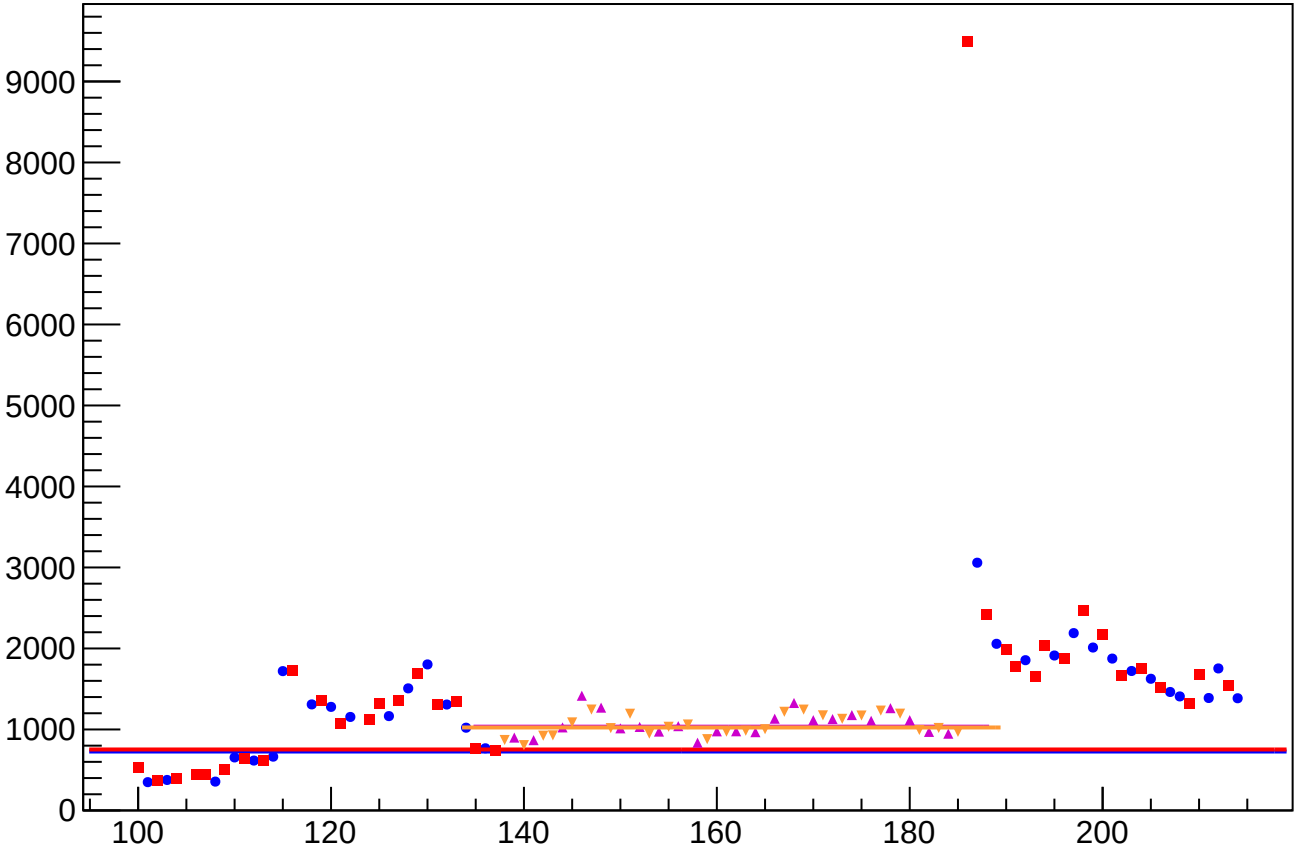
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 422.270+/-156.660 χ^2/NDF: 70.7/54

All: 214.386+/-112.054 χ^2/NDF: 141.4/111

- sign -3.380+/-160.340 χ^2/NDF: 67.1/56

asym_sam6_reg_correction_rms vs Slug



Right In: 727.677+/-0.149 χ^2/NDF: 12333793.9/29

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 752.818+/-0.150 χ^2/NDF: 12629165.4/33

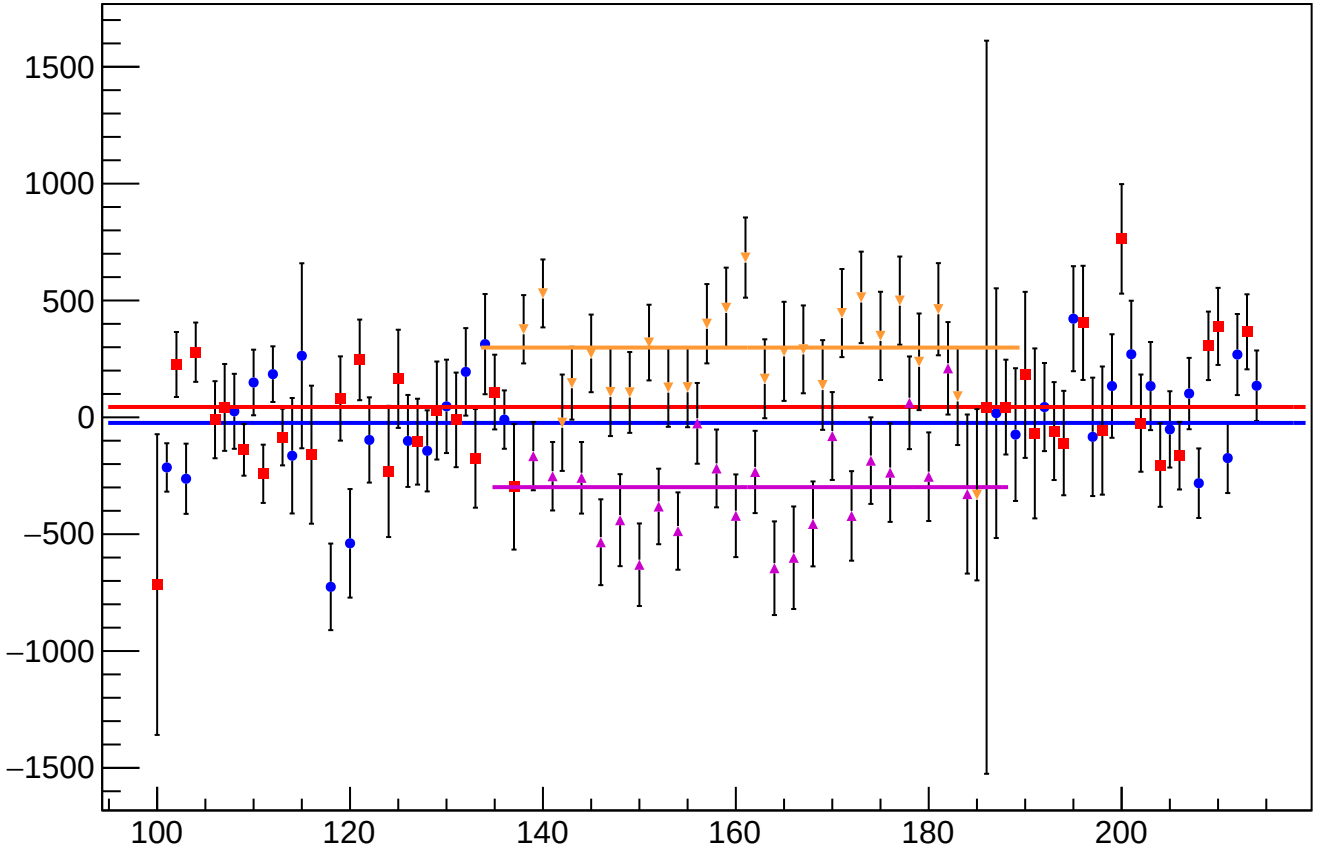
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 859.490+/-0.111 χ^2/NDF: 14703833.6/54

All: 866.707+/-0.079 χ^2/NDF: 29483368.8/11

- sign 874.268+/-0.113 χ^2/NDF: 14770843.4/56

cor_asym_sam6_mean vs Slug



Right In: -23.882+/-31.765 χ^2/NDF: 51.2/29

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 44.296+/-31.385 χ^2/NDF: 50.9/33

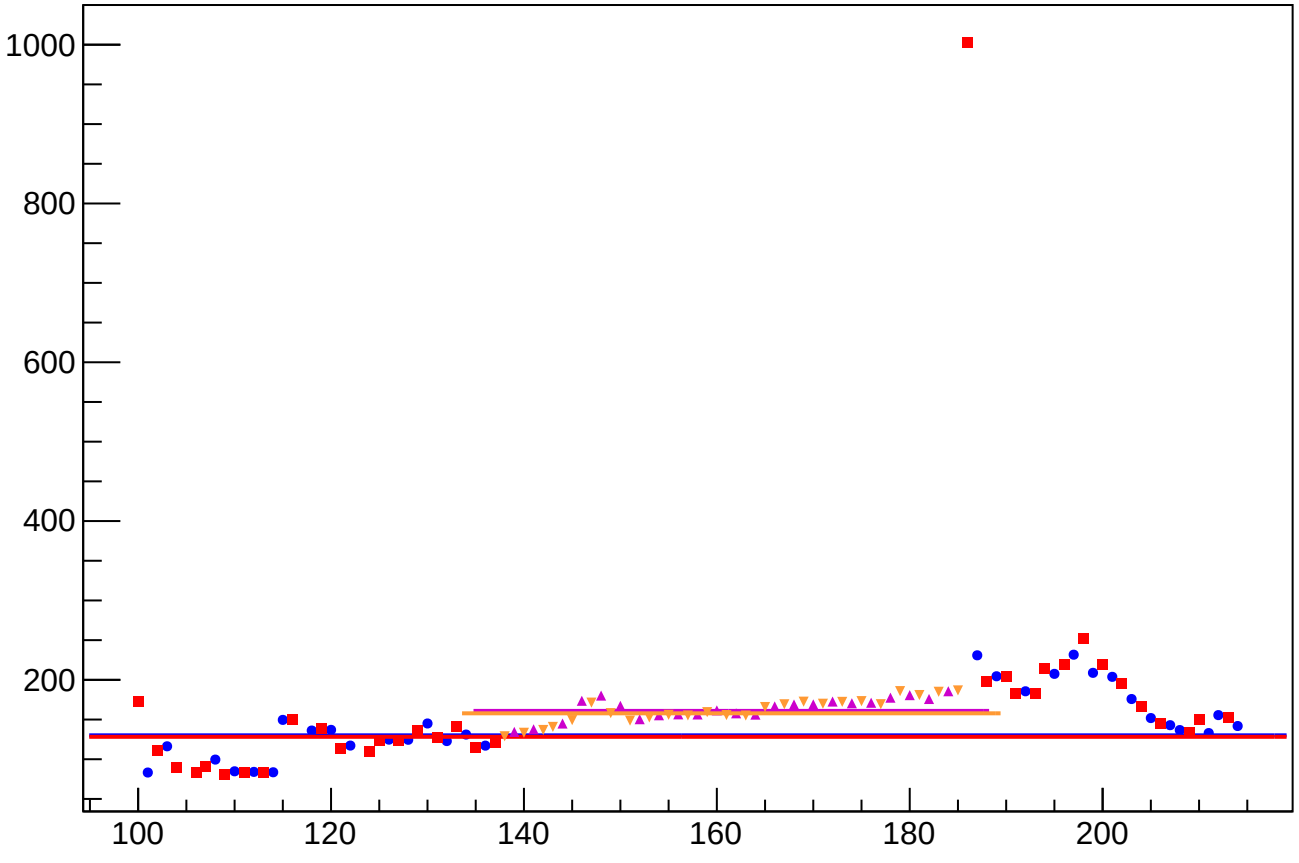
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 117.024+/-23.833 χ^2/NDF: 122.2/54

All: 11.828+/-16.956 χ^2/NDF: 290.8/111

- sign -95.984+/-24.128 χ^2/NDF: 129.2/56

cor_asym_sam6_rms vs Slug



Right In: 130.109+/-0.022 χ^2/NDF: 2762782.1/29

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.262+/-0.022 χ^2/NDF: 4258379.0/33

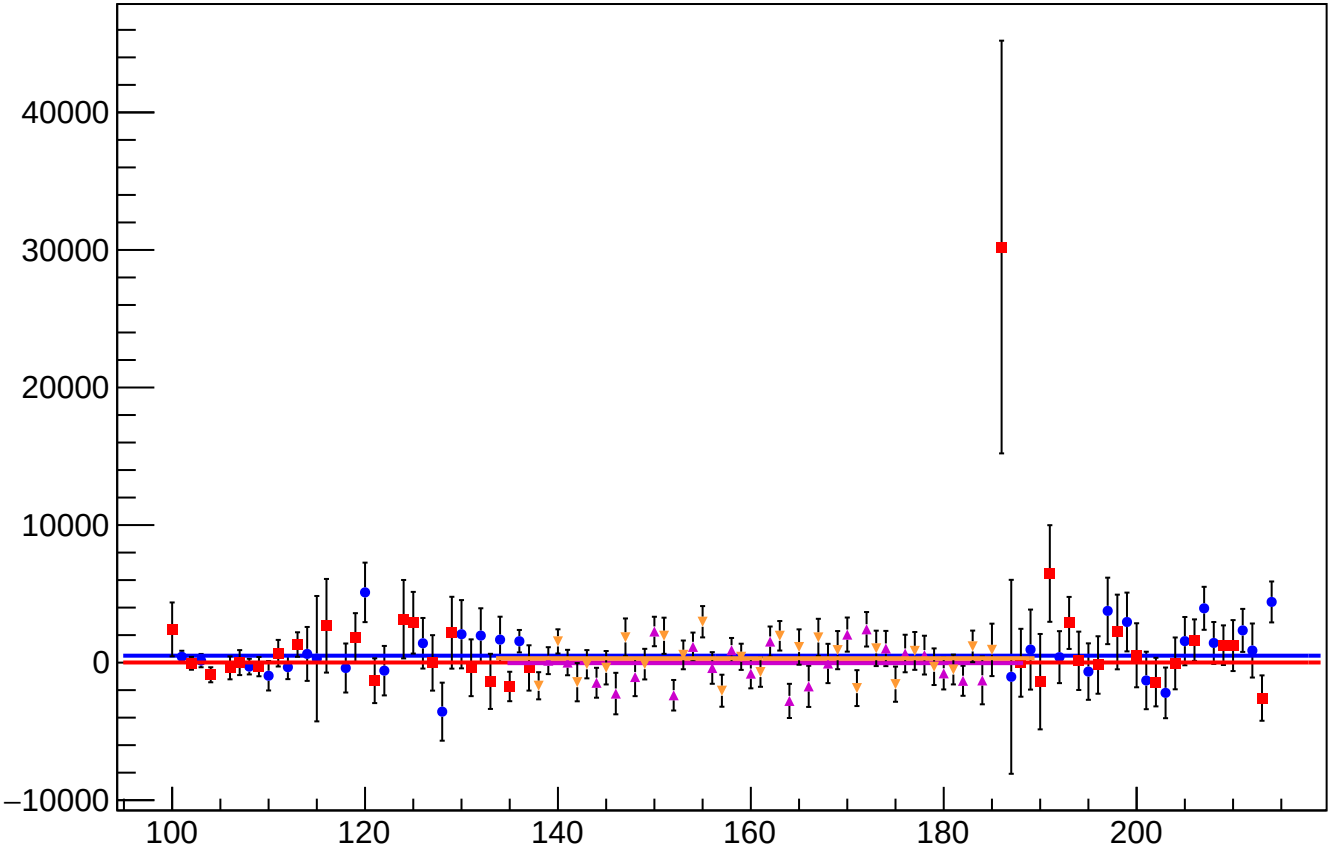
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.227+/-0.017 χ^2/NDF: 3805999.3/54

All: 141.918+/-0.012 χ^2/NDF: 9216615.1/111

- sign 141.601+/-0.017 χ^2/NDF: 5409932.9/56

asym_sam6_cor_correction_mean vs Slug



Right In: 504.115+/-210.108 χ^2/NDF: 37.8/29

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 9.374+/-213.094 χ^2/NDF: 32.5/33

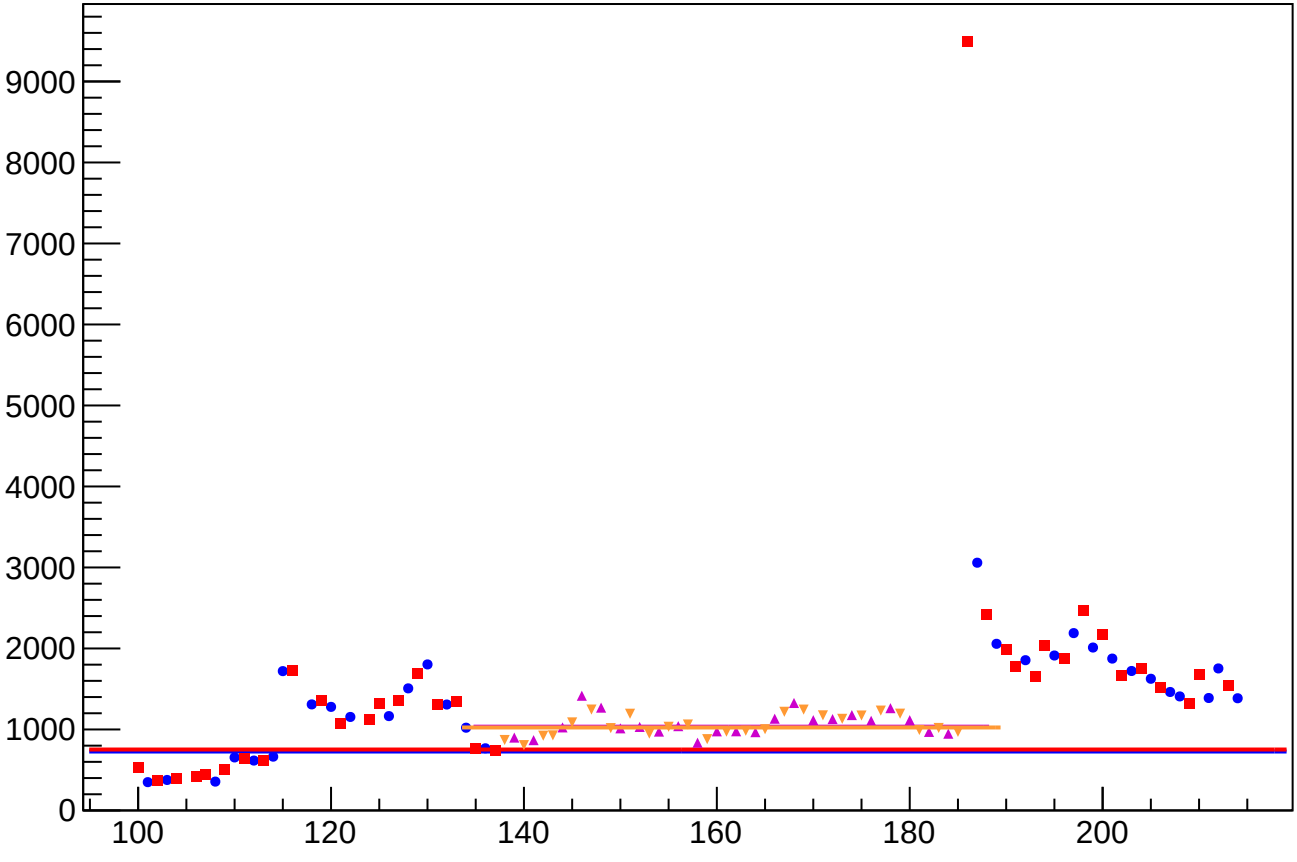
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 422.333+/-156.658 χ^2/NDF: 70.7/54

All: 210.672+/-112.123 χ^2/NDF: 141.7/111

\- sign -11.627+/-160.546 χ^2/NDF: 67.3/56

asym_sam6_cor_correction_rms vs Slug



Right In: 727.649+/-0.149 χ^2/NDF: 12334390.9/29

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF: 12663865.8/33

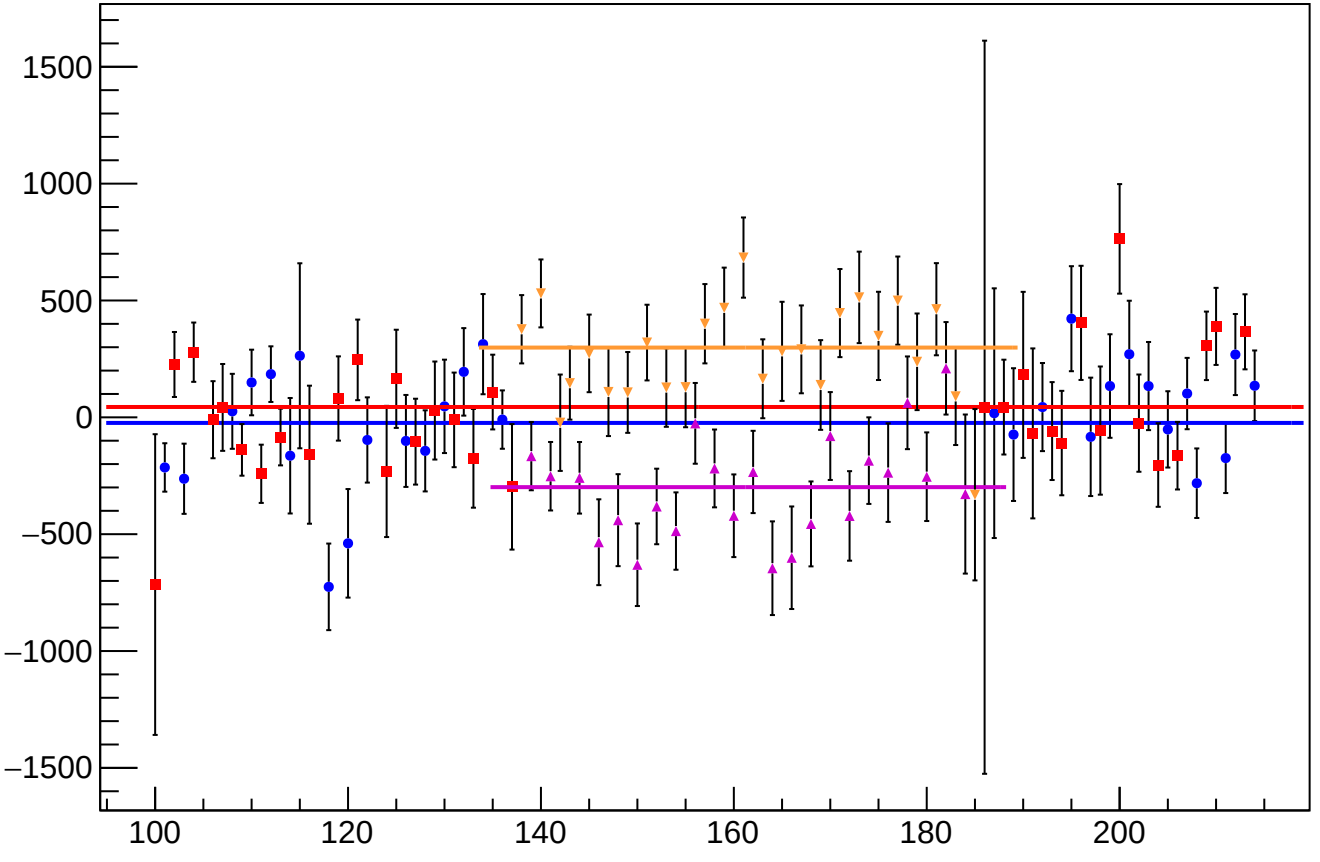
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 859.471+/-0.111 χ^2/NDF: 14704804.2/54

All: 866.713+/-0.079 χ^2/NDF: 29521092.0/11

- sign 874.319+/-0.114 χ^2/NDF: 14807524.1/56

eigen_cor_asym_sam6_mean vs Slug



Right In: -23.882+/-31.765 χ^2/NDF: 51.2/29

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 44.296+/-31.385 χ^2/NDF: 50.9/33

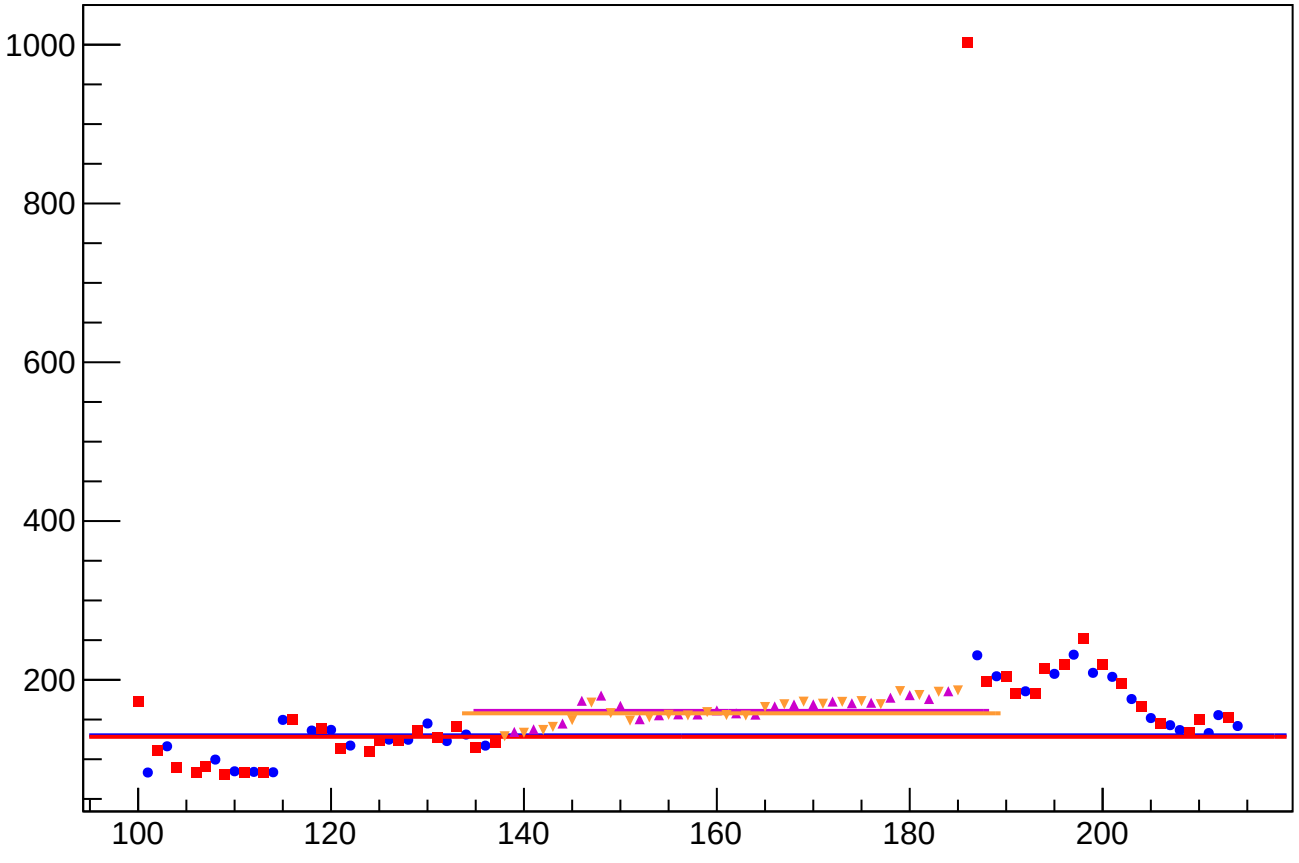
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 117.024+/-23.833 χ^2/NDF: 122.2/54

All: 11.828+/-16.956 χ^2/NDF: 290.8/111

- sign -95.984+/-24.128 χ^2/NDF: 129.2/56

eigen_cor_asym_sam6_rms vs Slug



Right In: 130.109+/-0.022 χ^2/NDF: 2762782.1/29

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 128.262+/-0.022 χ^2/NDF: 4258379.0/33

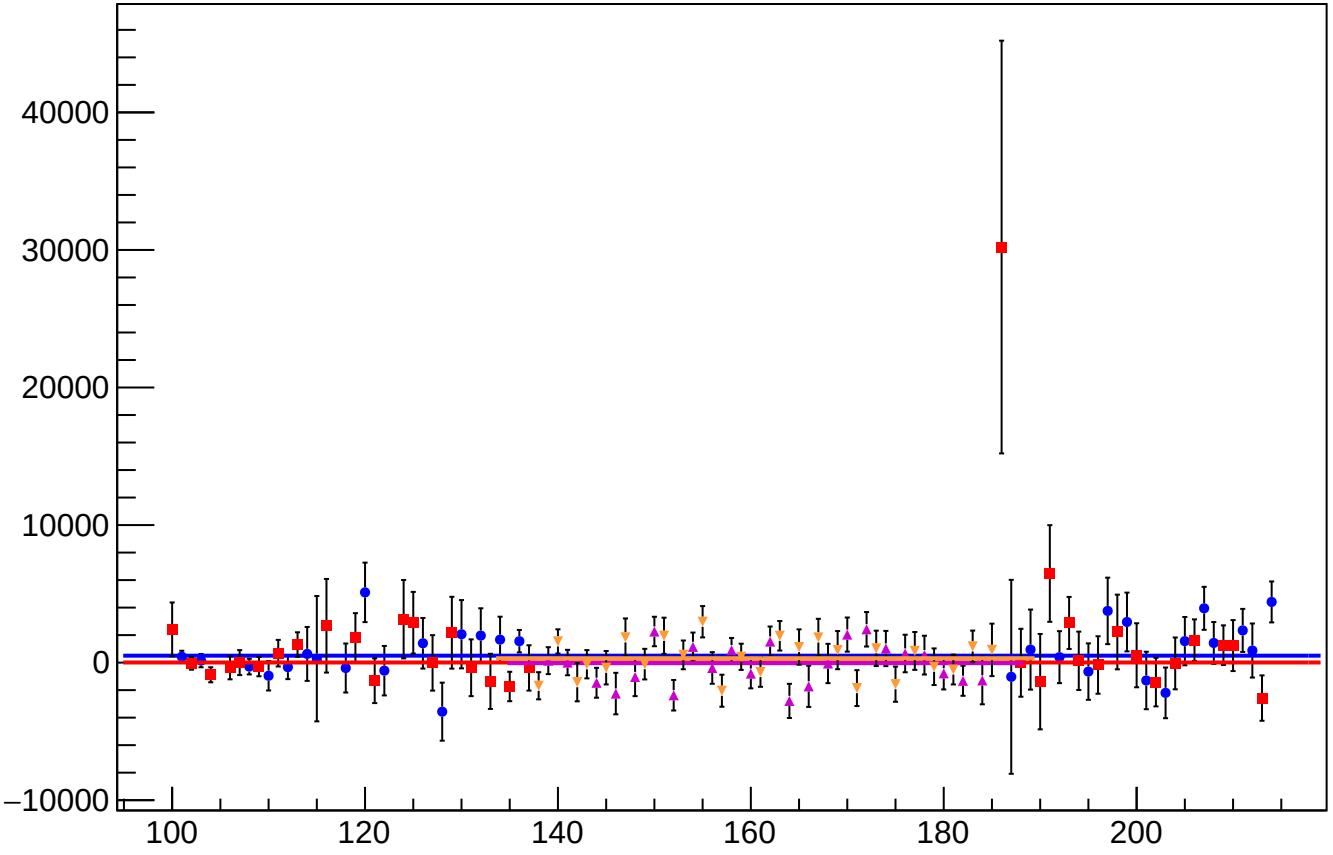
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.227+/-0.017 χ^2/NDF: 3805999.3/54

All: 141.918+/-0.012 χ^2/NDF: 9216615.1/111

- sign 141.601+/-0.017 χ^2/NDF: 5409932.9/56

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 504.115+/-210.108 χ^2/NDF: 37.8/29

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 9.374+/-213.094 χ^2/NDF: 32.5/33

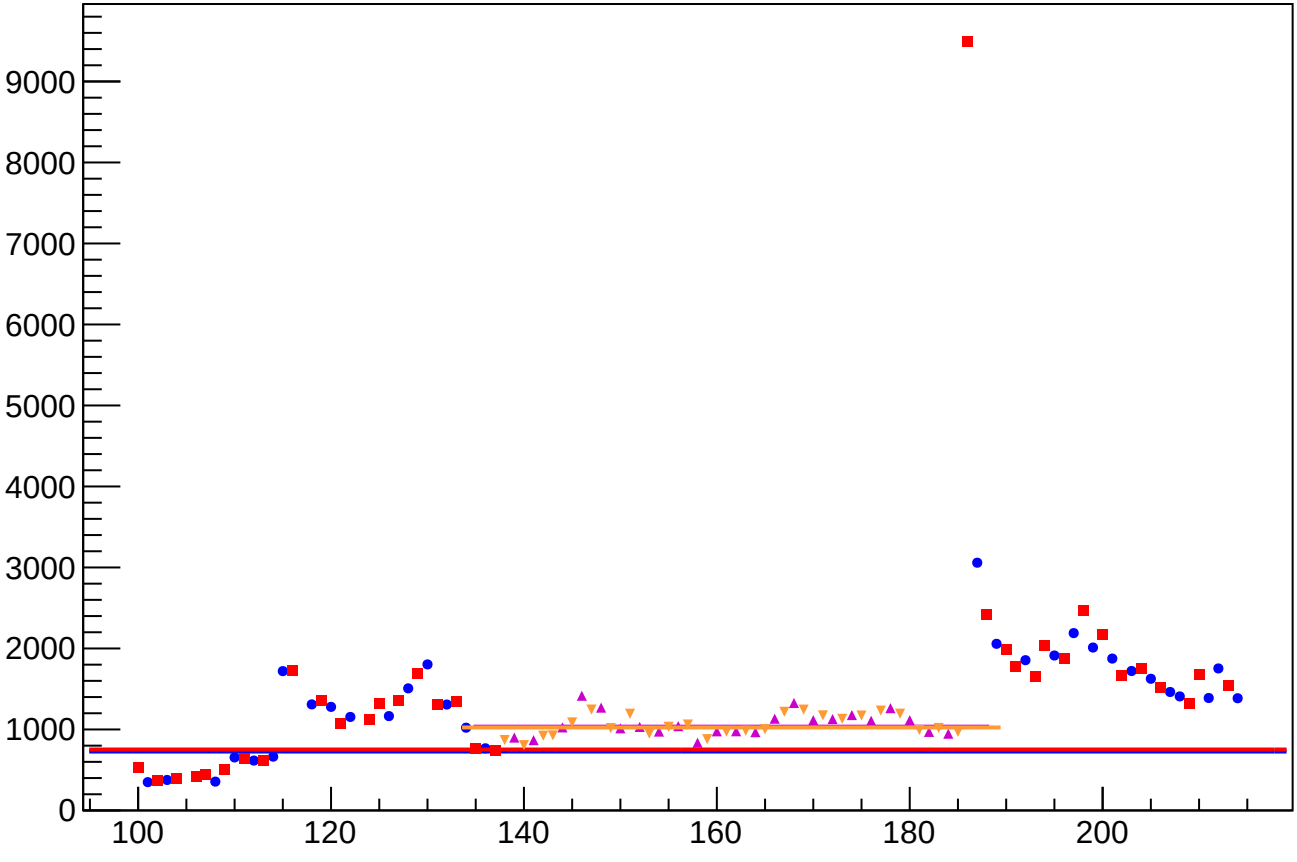
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

\+ sign 422.333+/-156.658 χ^2/NDF: 70.7/54

All: 210.672+/-112.123 χ^2/NDF: 141.7/111

\- sign -11.627+/-160.546 χ^2/NDF: 67.3/56

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 727.649+/-0.149 χ^2/NDF: 12334390.9/29

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 752.359+/-0.151 χ^2/NDF: 12663865.8/33

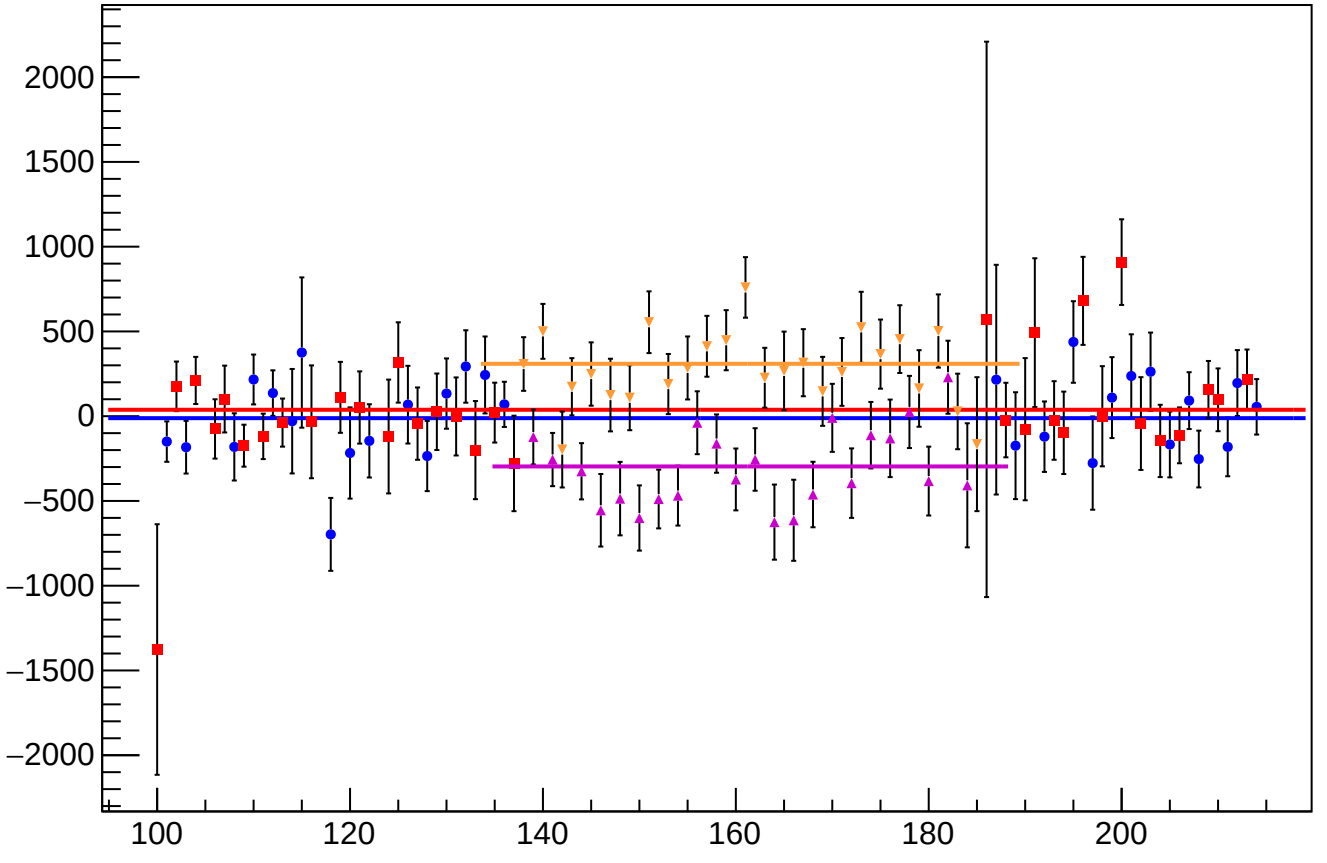
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 859.471+/-0.111 χ^2/NDF: 14704804.2/54

All: 866.713+/-0.079 χ^2/NDF: 29521092.0/11

- sign 874.319+/-0.114 χ^2/NDF: 14807524.1/56

dit_asym_sam6_mean vs Slug



Right In: -11.616+/-35.621 χ^2/NDF: 37.3/29

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 37.836+/-35.256 χ^2/NDF: 38.1/33

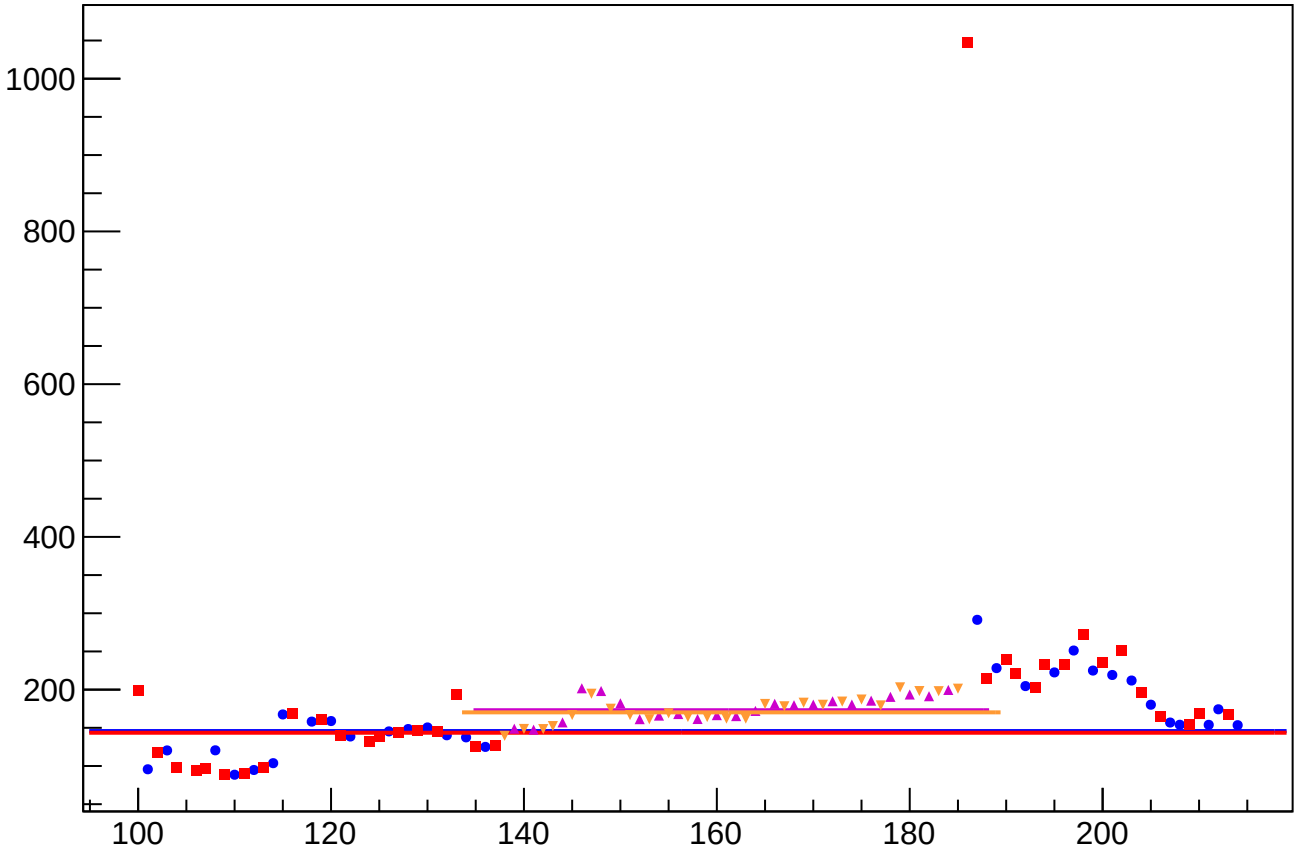
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

\+ sign 134.624+/-26.271 χ^2/NDF: 99.9/54

All: 15.975+/-18.699 χ^2/NDF: 245.8/111

\- sign -105.865+/-26.622 χ^2/NDF: 104.6/56

dit_asym_sam6_rms vs Slug



Right In: 145.743+/-0.025 χ^2/NDF: 2716260.3/29

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 143.557+/-0.025 χ^2/NDF: 4421415.2/33

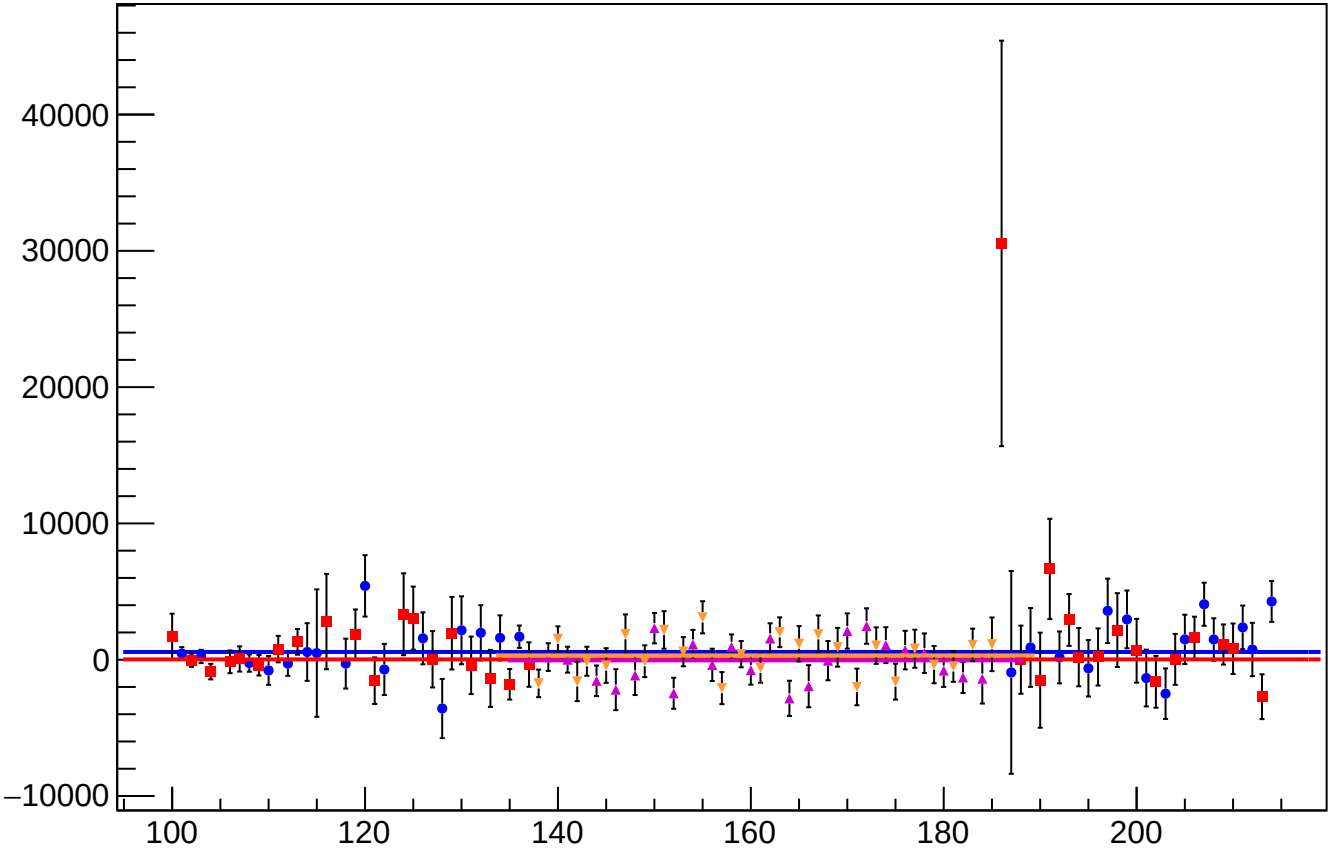
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.916+/-0.019 χ^2/NDF: 3513977.0/54

All: 156.574+/-0.013 χ^2/NDF: 8830269.0/11

- sign 156.222+/-0.019 χ^2/NDF: 5315605.0/56

asym_sam6_dit_correction_mean vs Slug



Right In: 567.342+/-218.614 χ^2/NDF: 36.9/29

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 23.621+/-219.492 χ^2/NDF: 31.4/33

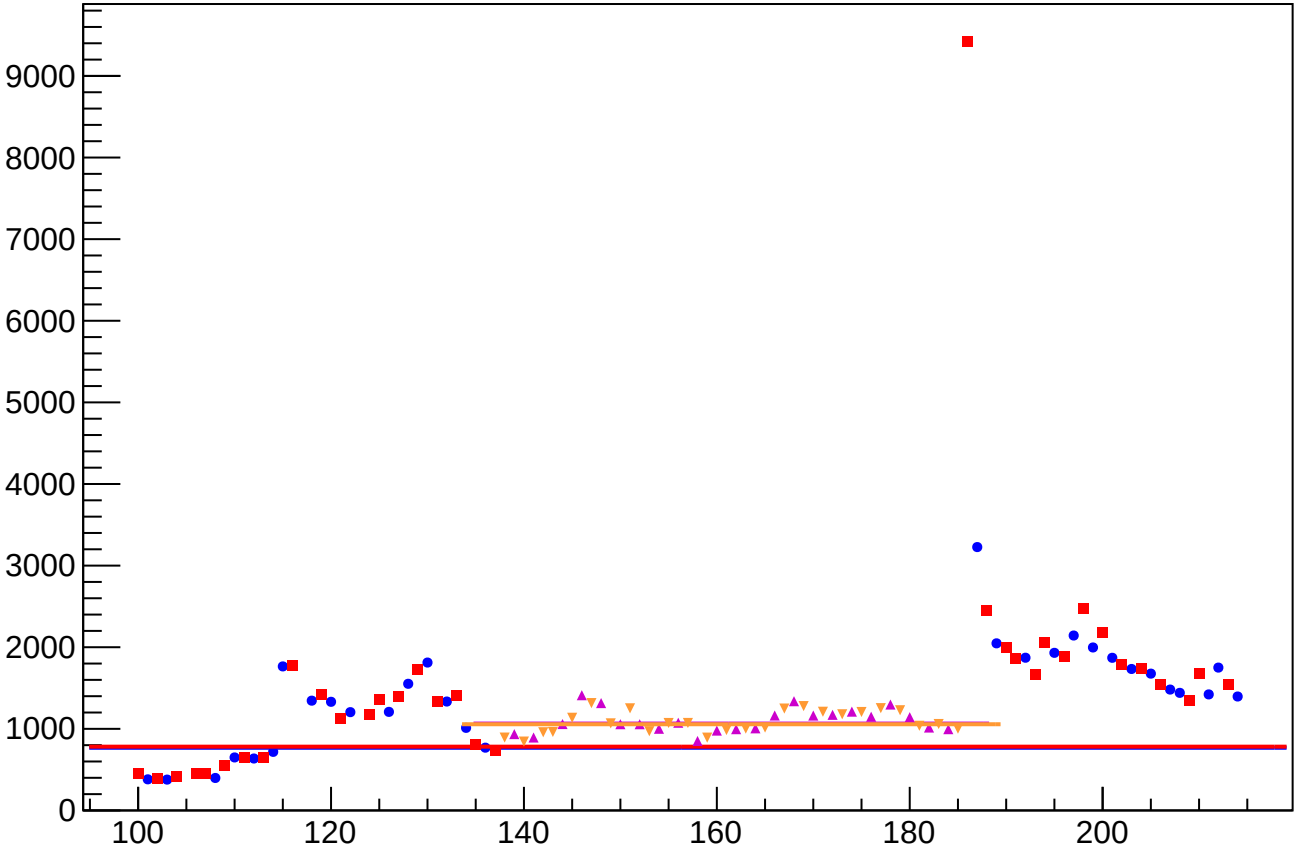
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 453.547+/-162.344 χ^2/NDF: 70.4/54

All: 227.405+/-115.825 χ^2/NDF: 140.2/111

- sign -7.046+/-165.300 χ^2/NDF: 65.9/56

asym_sam6_dit_correction_rms vs Slug



Right In: 768.282+/-0.155 χ^2/NDF: 11659758.2/29

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 781.596+/-0.155 χ^2/NDF: 12394057.2/33

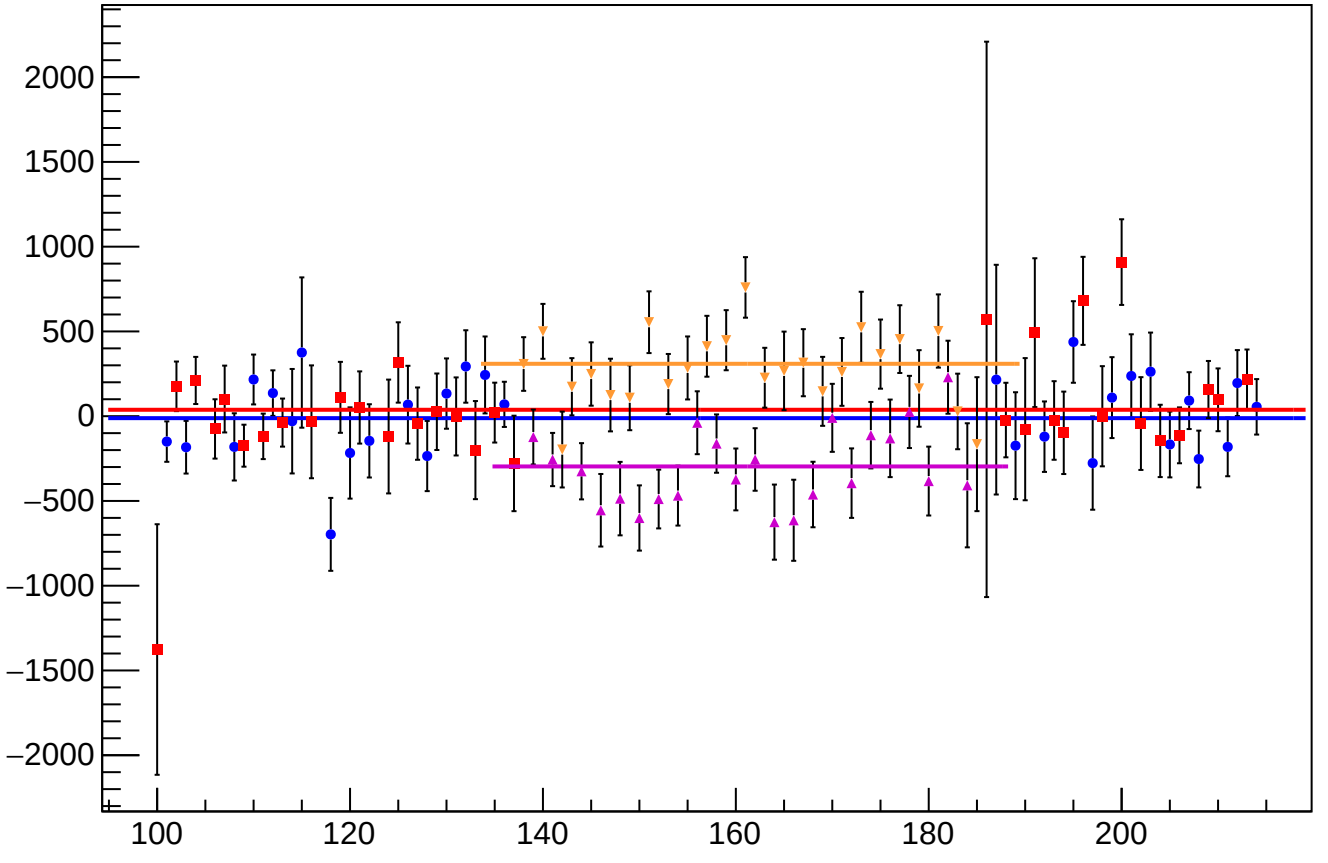
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 897.482+/-0.115 χ^2/NDF: 13827856.5/54

All: 900.746+/-0.082 χ^2/NDF: 28274681.0/11

- sign 904.131+/-0.117 χ^2/NDF: 14445177.2/56

eigen_dit_asym_sam6_mean vs Slug



Right In: -11.617+/-35.621 χ^2/NDF: 37.3/29

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 37.836+/-35.256 χ^2/NDF: 38.1/33

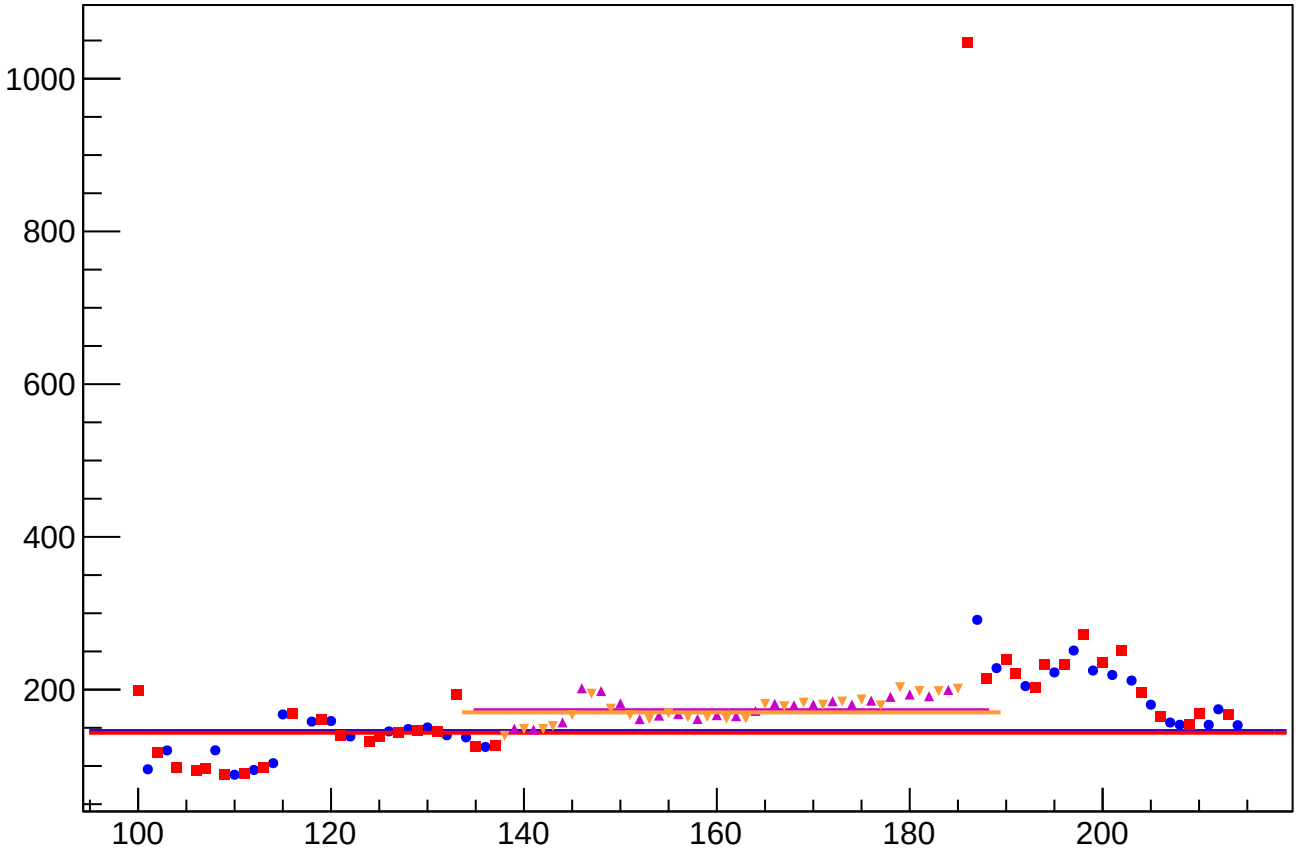
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 134.623+/-26.271 χ^2/NDF: 99.9/54

All: 15.974+/-18.699 χ^2/NDF: 245.8/111

- sign -105.866+/-26.622 χ^2/NDF: 104.6/56

eigen_dit_asym_sam6_rms vs Slug



Right In: 145.743+/-0.025 χ^2/NDF: 2716279.5/29

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 143.557+/-0.025 χ^2/NDF: 4421422.3/33

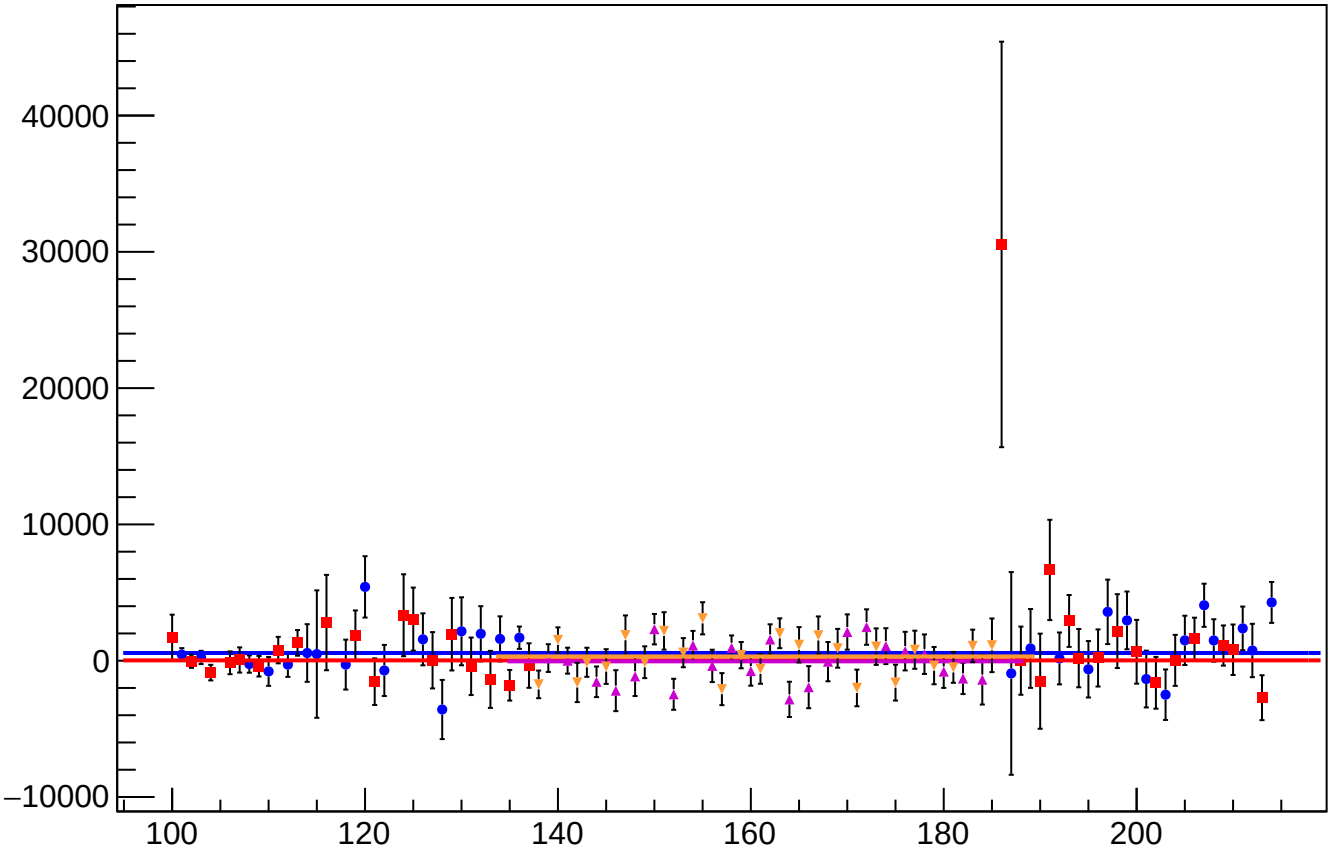
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.915+/-0.019 χ^2/NDF: 3513999.3/54

All: 156.573+/-0.013 χ^2/NDF: 8830301.9/11

- sign 156.222+/-0.019 χ^2/NDF: 5315615.6/56

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 567.341+/-218.614 χ^2/NDF: 36.9/29

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 23.620+/-219.492 χ^2/NDF: 31.4/33

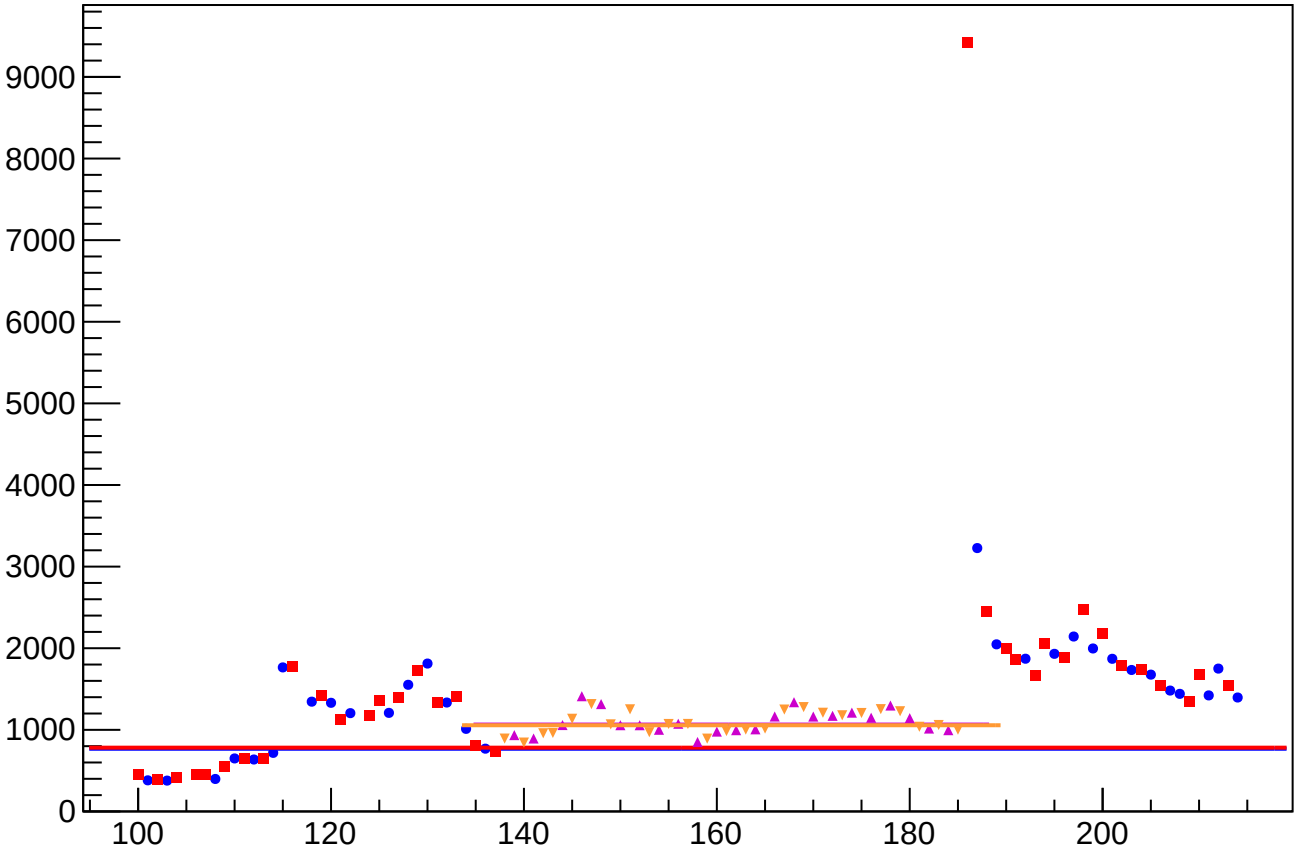
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 453.547+/-162.344 χ^2/NDF: 70.4/54

All: 227.405+/-115.825 χ^2/NDF: 140.2/111

- sign -7.047+/-165.300 χ^2/NDF: 65.9/56

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 768.281+/-0.155 χ^2/NDF: 11659773.5/29

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 781.596+/-0.155 χ^2/NDF: 12394061.5/33

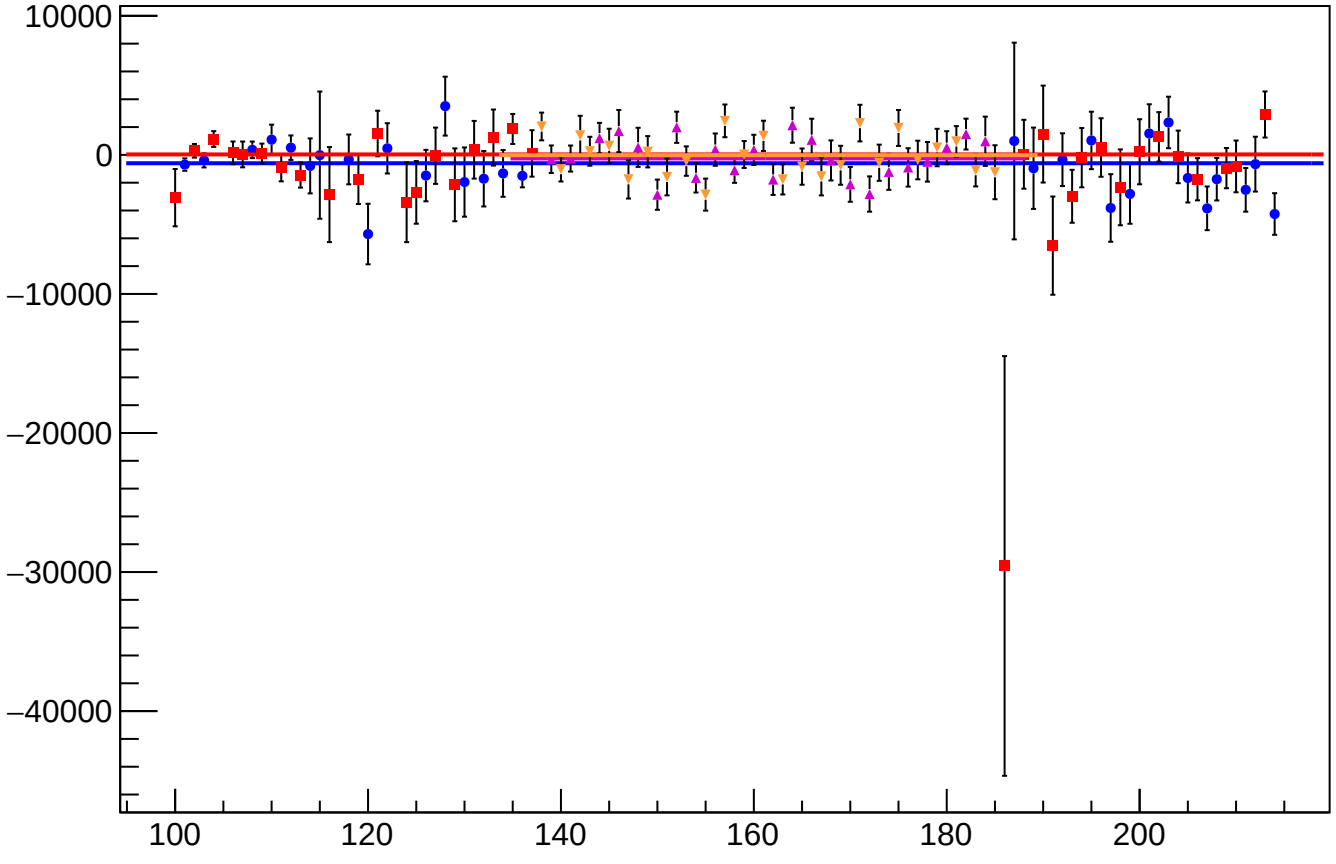
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 897.481+/-0.115 χ^2/NDF: 13827890.4/54

All: 900.746+/-0.082 χ^2/NDF: 28274730.5/11

- sign 904.130+/-0.117 χ^2/NDF: 14445192.7/56

asym_sam6_mean vs Slug



Right In: -601.312+/-215.459 χ^2/NDF: 38.4/29

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 32.903+/-217.455 χ^2/NDF: 35.9/33

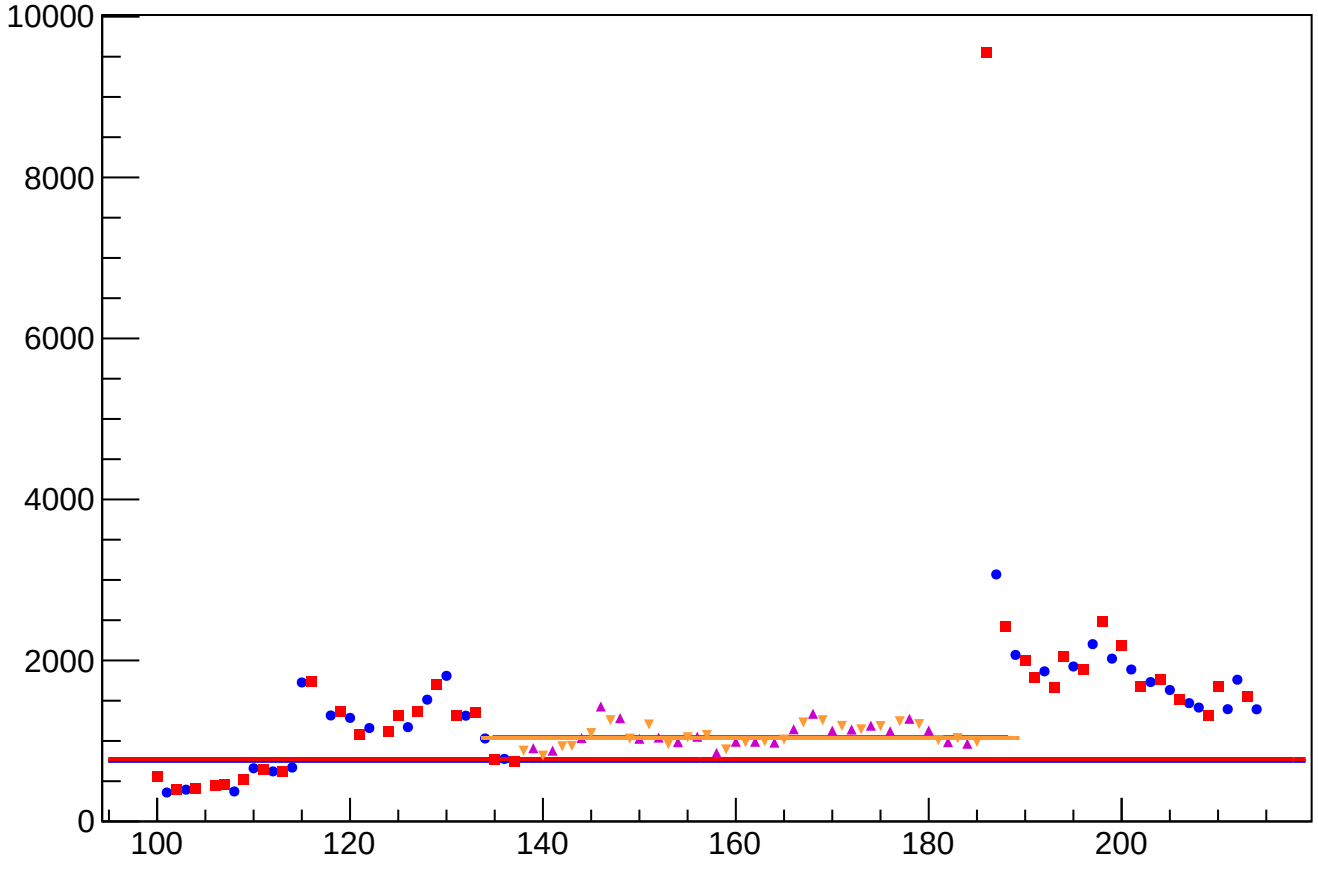
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -340.286+/-159.720 χ^2/NDF: 76.2/54

All: -219.298+/-114.175 χ^2/NDF: 147.6/111

- sign -92.866+/-163.274 χ^2/NDF: 70.2/56

asym_sam6_rms vs Slug



Right In: 753.160+/-0.152 χ^2/NDF: 11879892.5/29

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 776.156+/-0.154 χ^2/NDF: 12238847.8/33

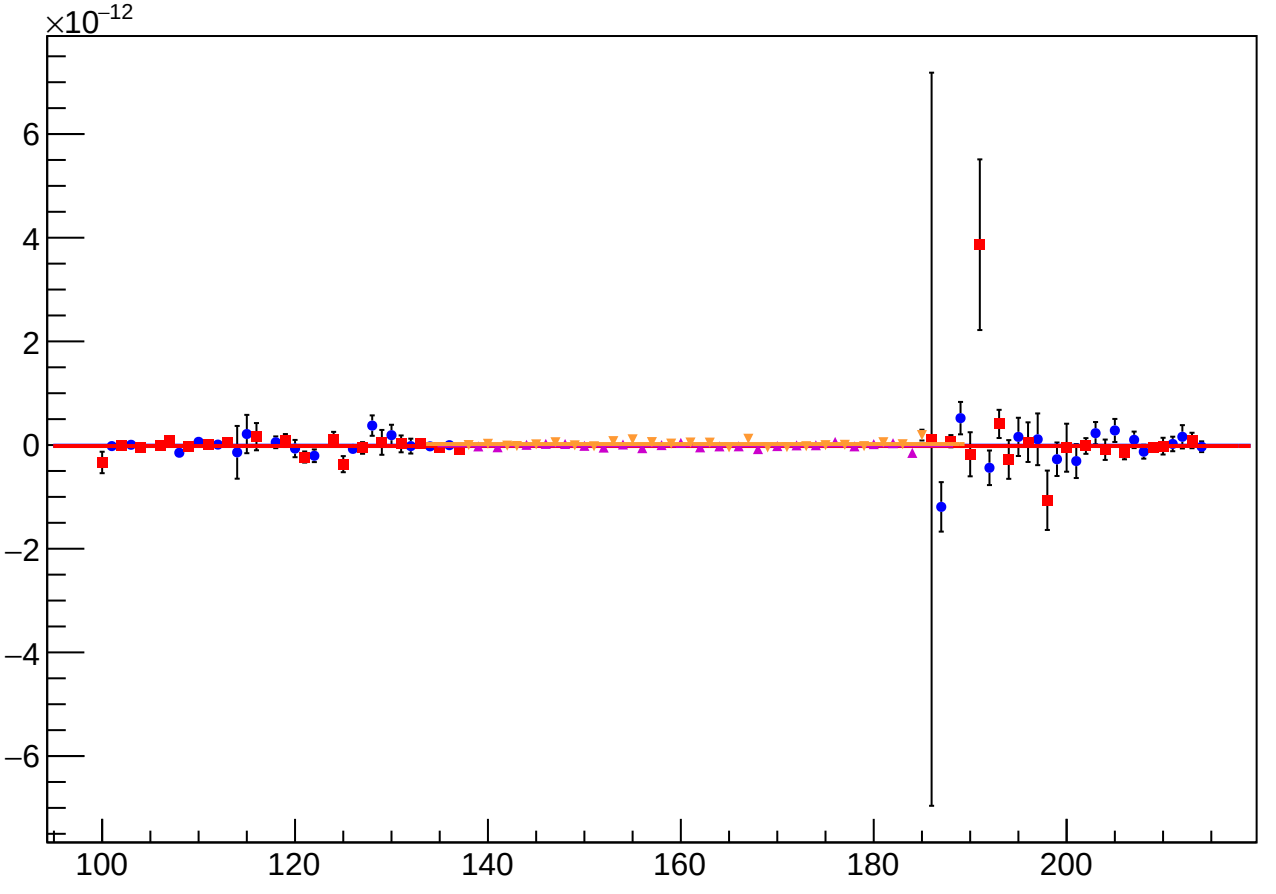
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 881.168+/-0.113 χ^2/NDF: 14032548.2/54

All: 887.728+/-0.081 χ^2/NDF: 28251445.5/11

- sign 894.583+/-0.115 χ^2/NDF: 14211997.6/56

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

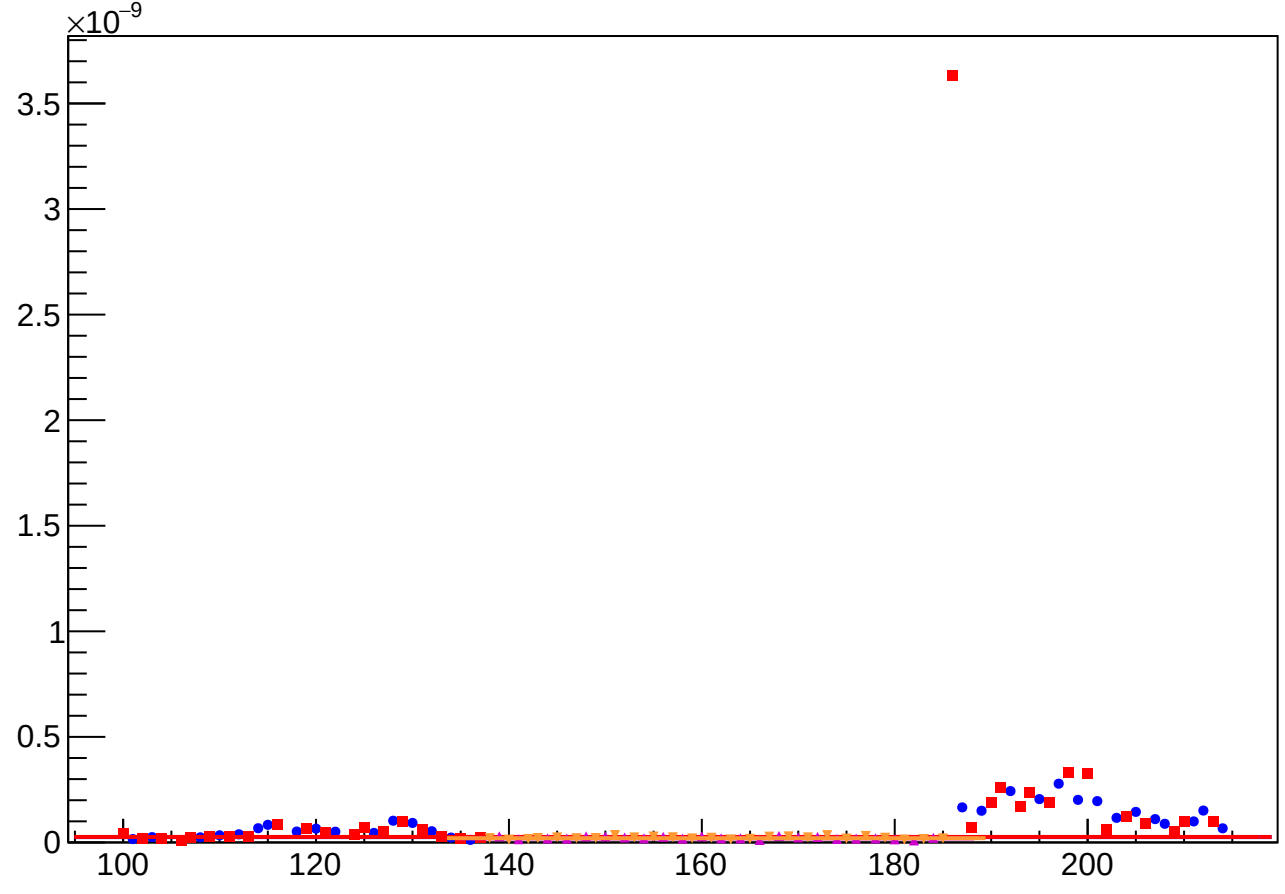
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/33

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.9/54

All: 0.000+/-0.000 χ^2/NDF: 126.0/111

- sign -0.000+/-0.000 χ^2/NDF: 53.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 9253030.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

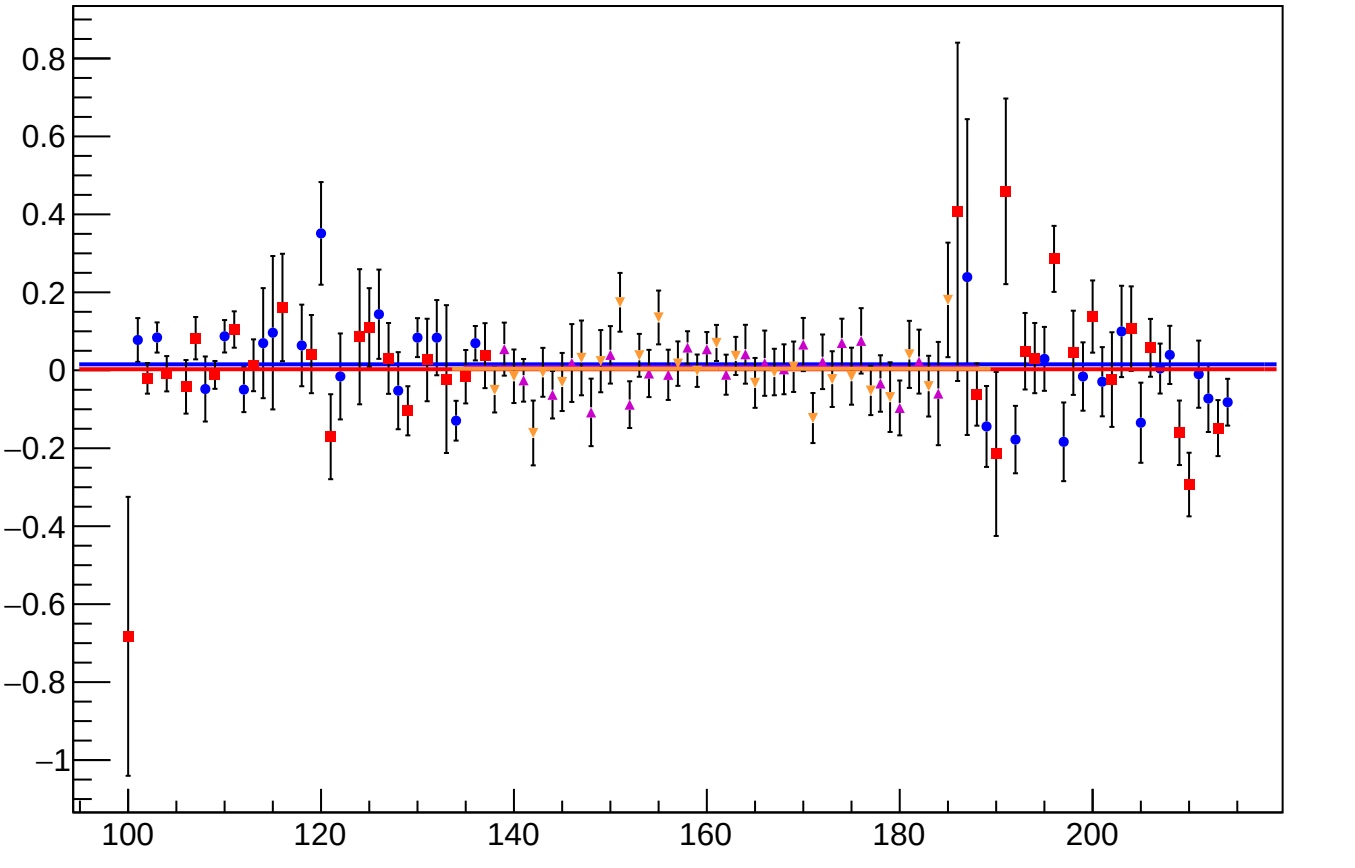
Right Out: 0.000+/-0.000 χ^2/NDF: 8343863.3/33

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10499934.5/54

All: 0.000+/-0.000 χ^2/NDF: 20308576.9/111

- sign 0.000+/-0.000 χ^2/NDF: 9799780.1/56



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/29

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.003+/-0.013 χ^2/NDF: 63.3/33

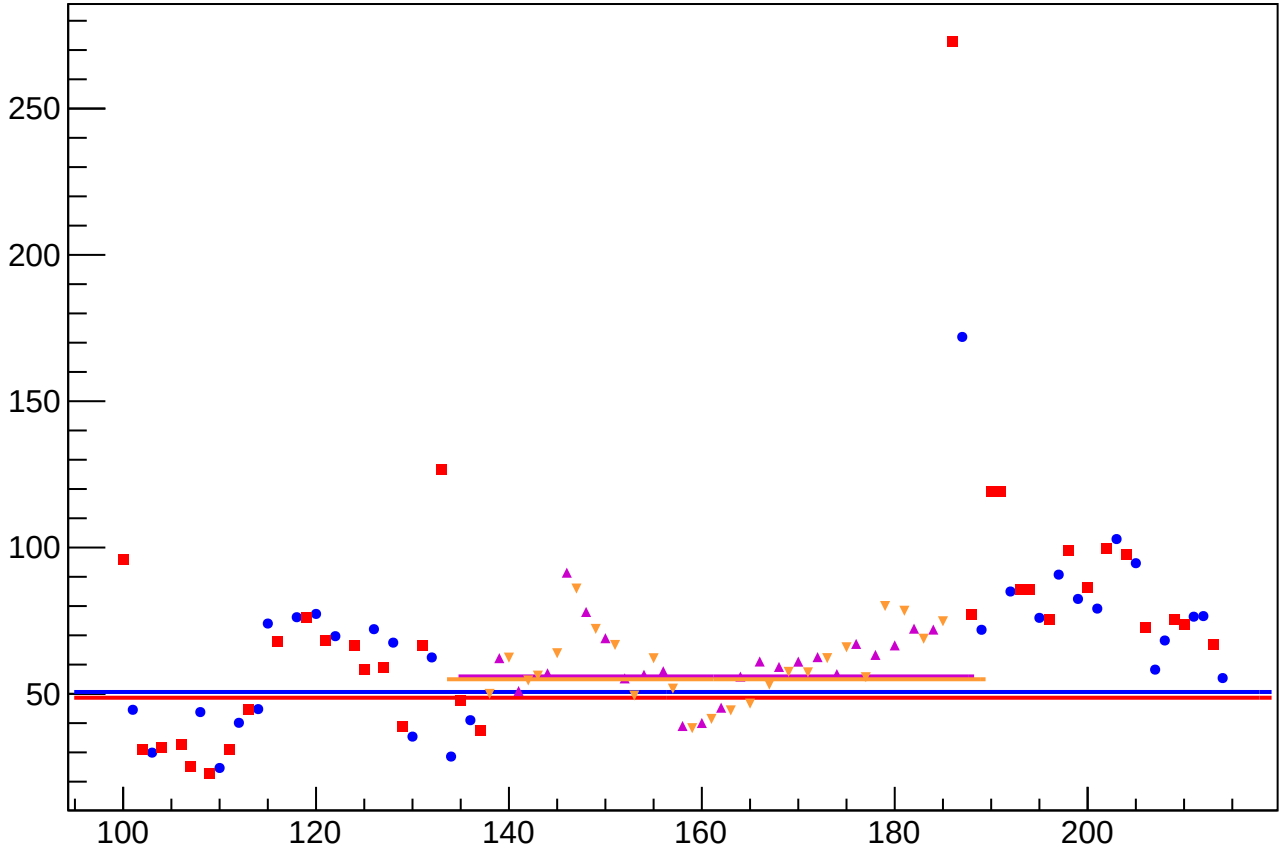
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/54

All: 0.007+/-0.007 χ^2/NDF: 152.1/111

- sign 0.005+/-0.009 χ^2/NDF: 78.4/56

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 50.643+/-0.009 χ^2/NDF: 5394153.7/29

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

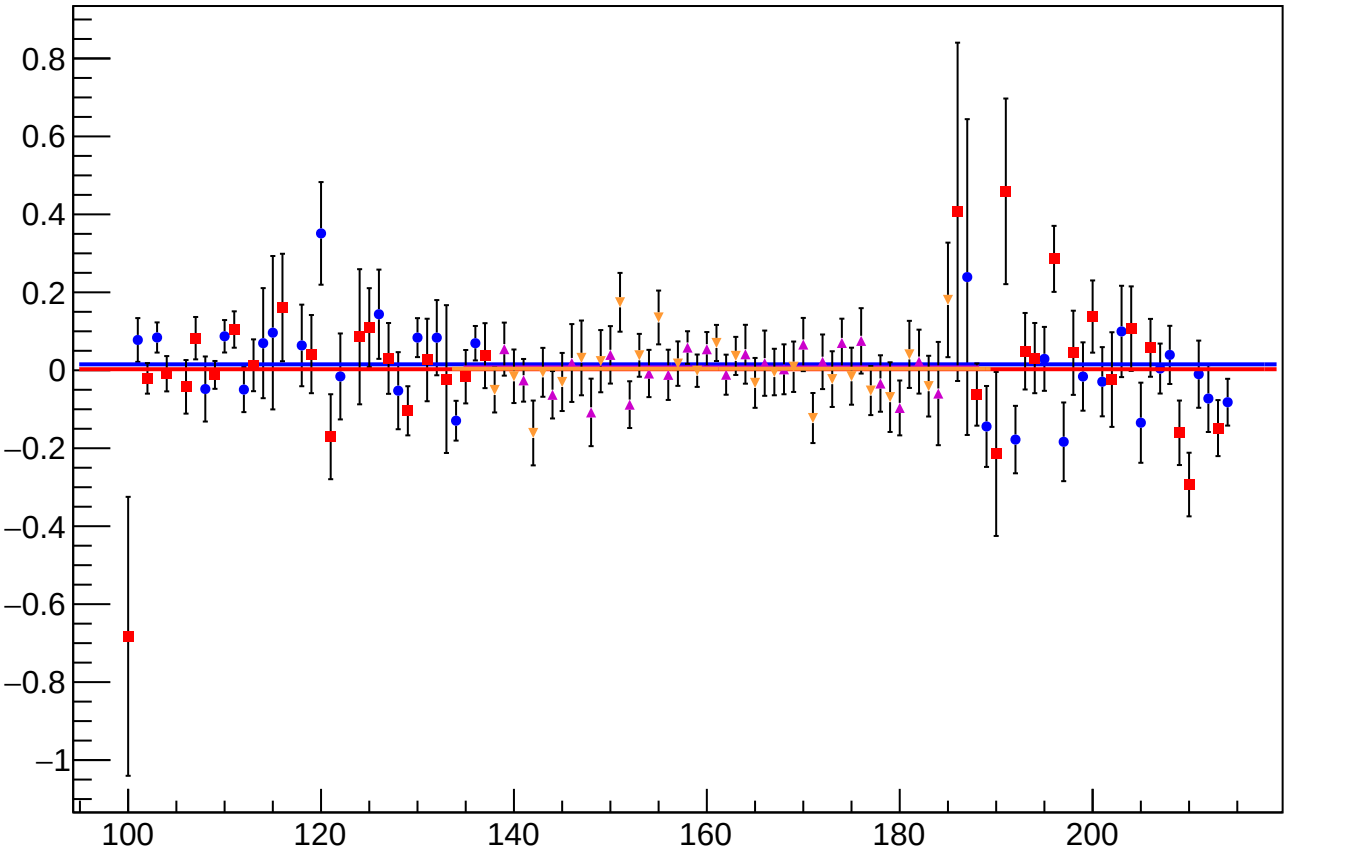
Right Out: 48.679+/-0.009 χ^2/NDF: 7618131.2/33

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.849+/-0.007 χ^2/NDF: 7071618.3/54

All: 52.508+/-0.005 χ^2/NDF: 16404004.5/111

- sign 52.157+/-0.007 χ^2/NDF: 9326837.8/56



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/29

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.003+/-0.013 χ^2/NDF: 63.3/33

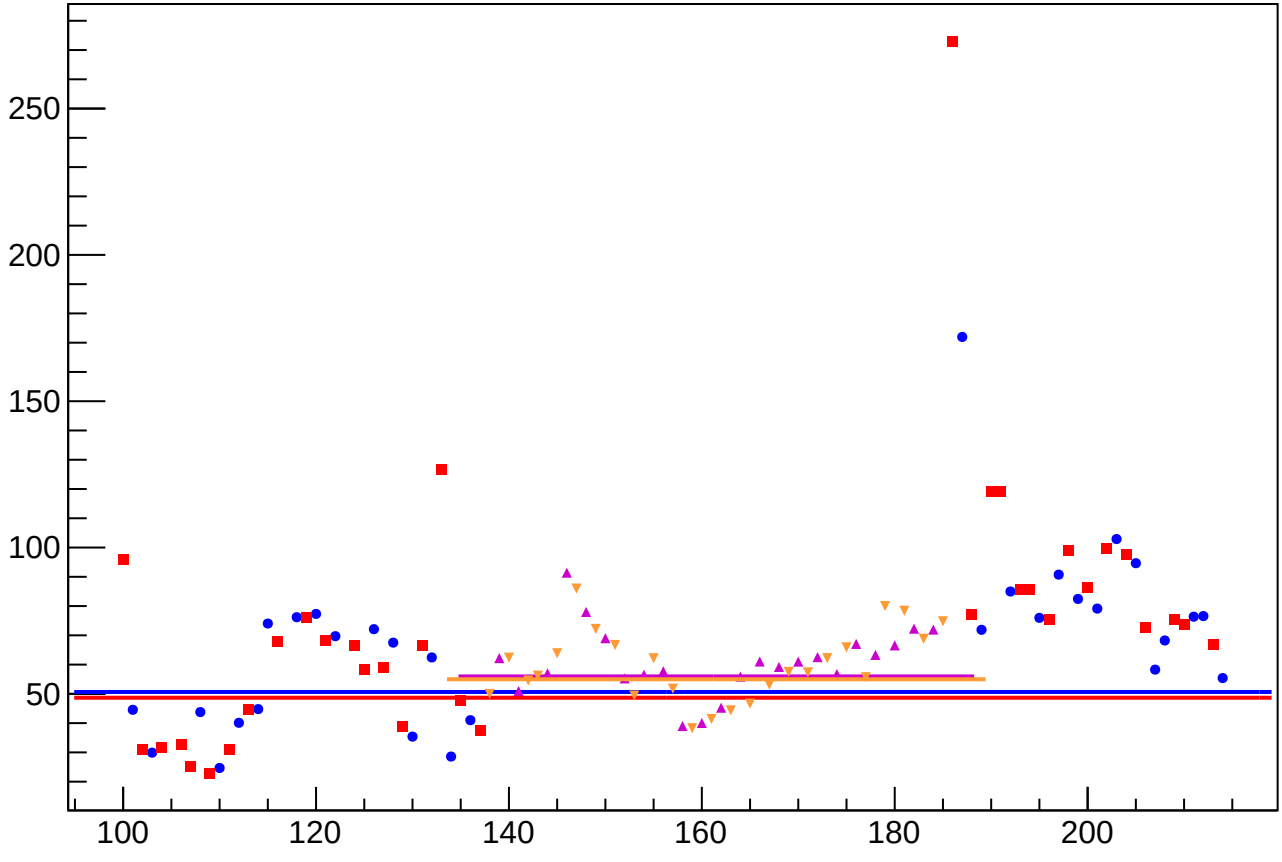
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/54

All: 0.007+/-0.007 χ^2/NDF: 152.1/111

- sign 0.005+/-0.009 χ^2/NDF: 78.4/56

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.643+/-0.009 χ^2/NDF: 5394153.7/29

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

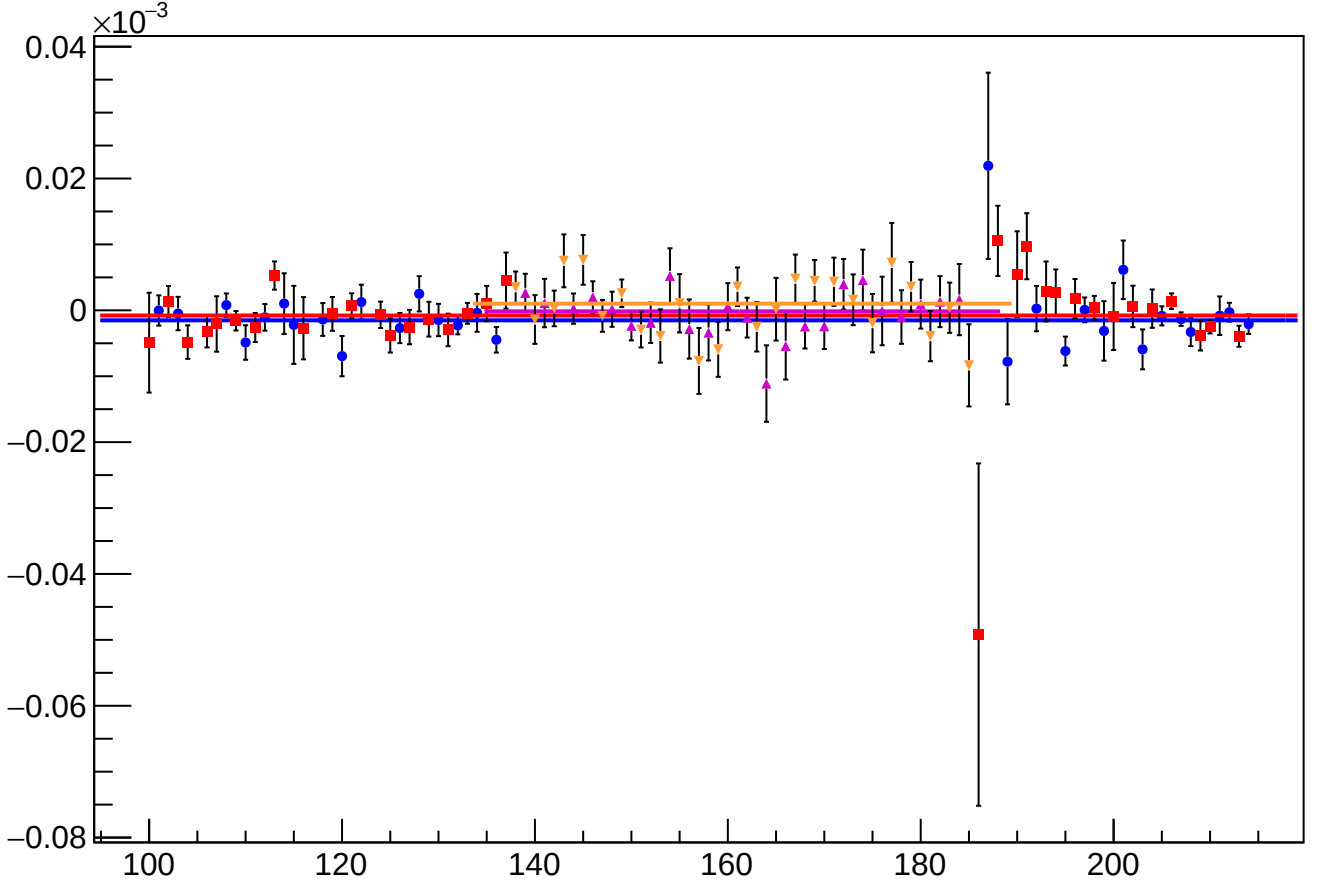
Right Out: 48.679+/-0.009 χ^2/NDF: 7618131.2/33

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 52.849+/-0.007 χ^2/NDF: 7071618.3/54

All: 52.508+/-0.005 χ^2/NDF: 16404004.5/111

- sign 52.157+/-0.007 χ^2/NDF: 9326837.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/33

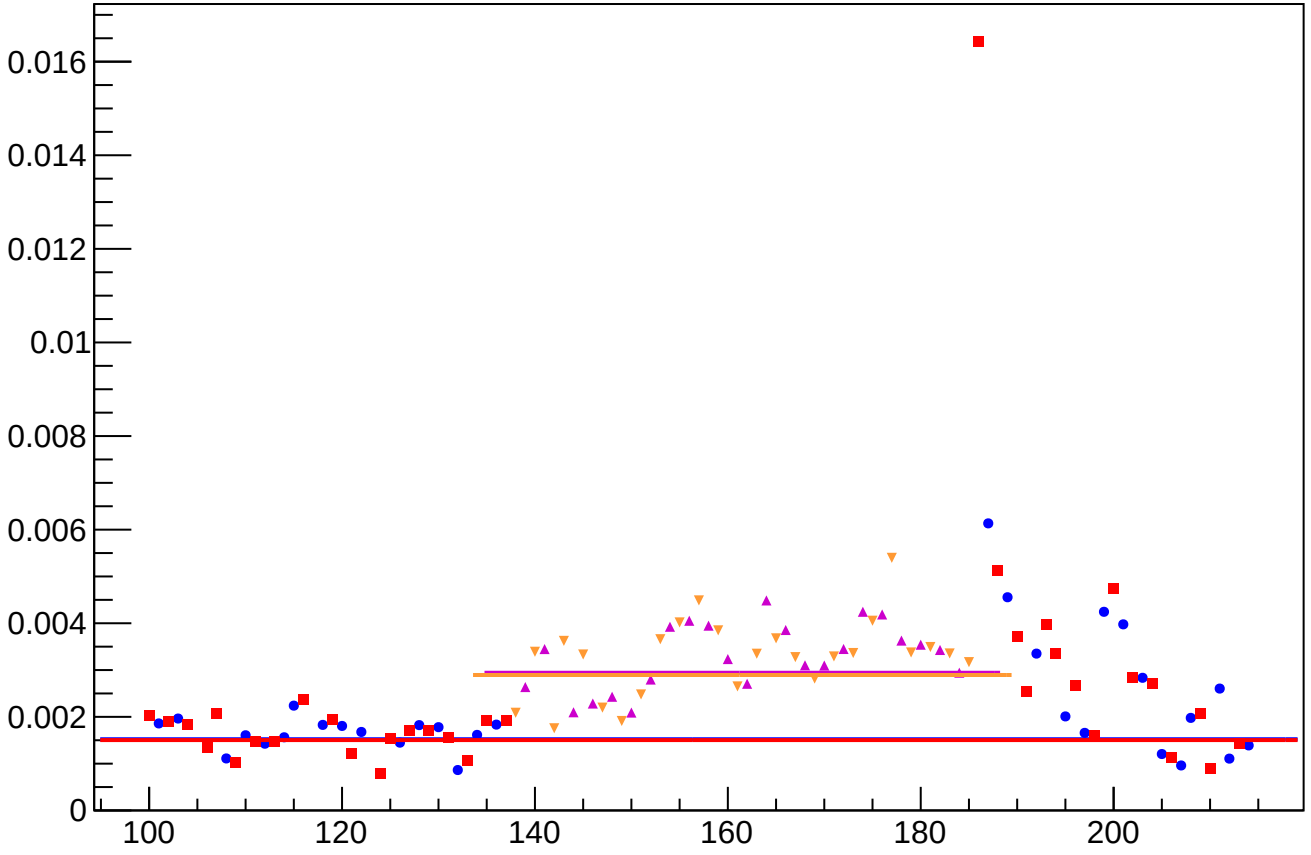
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.0/54

All: -0.000+/-0.000 χ^2/NDF: 131.6/111

- sign -0.000+/-0.000 χ^2/NDF: 62.4/56

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5151598.0/29

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6988832.2/33

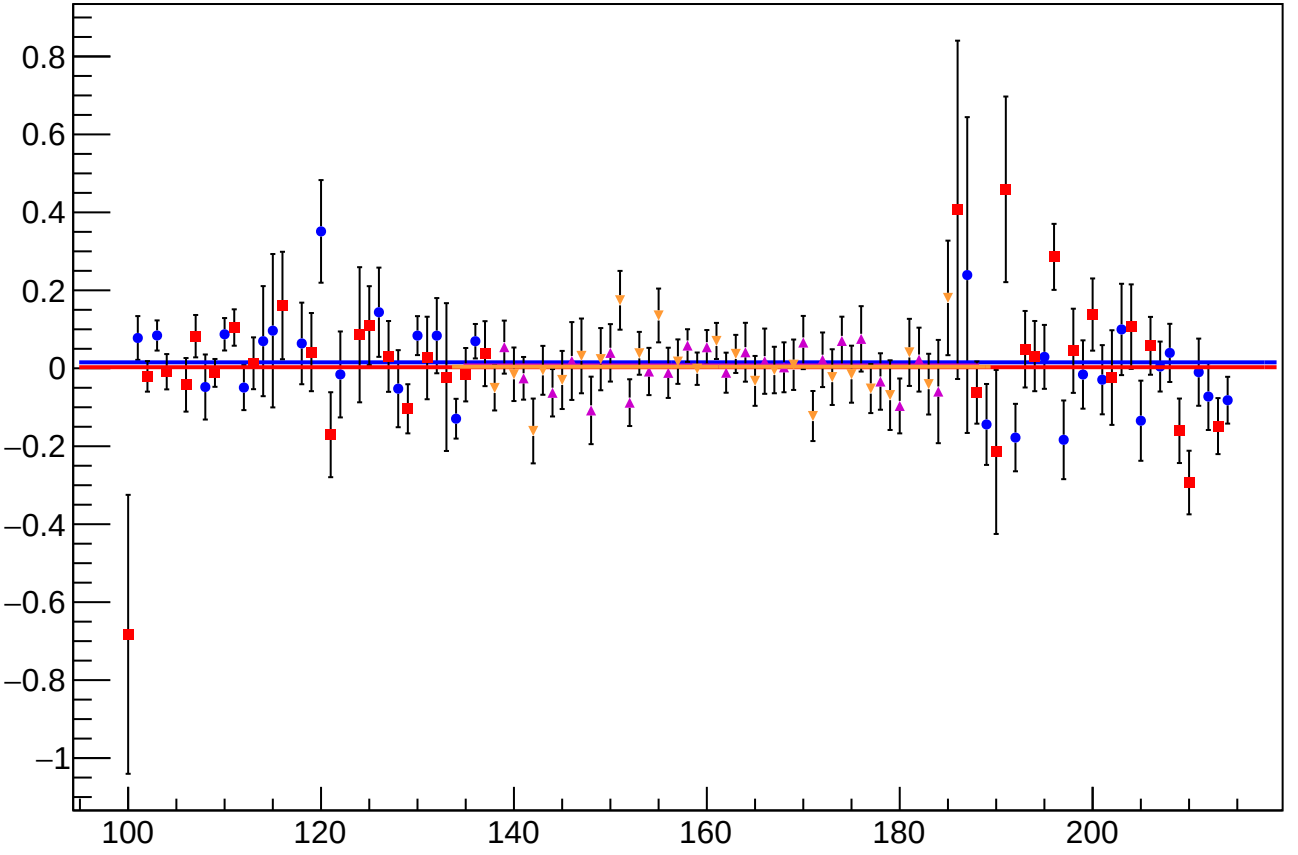
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 13825704.5/54

All: 0.002+/-0.000 χ^2/NDF: 29023405.9/111

- sign 0.002+/-0.000 χ^2/NDF: 15192495.1/56

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.013 χ^2/NDF: 48.5/29

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.003+/-0.013 χ^2/NDF: 63.3/33

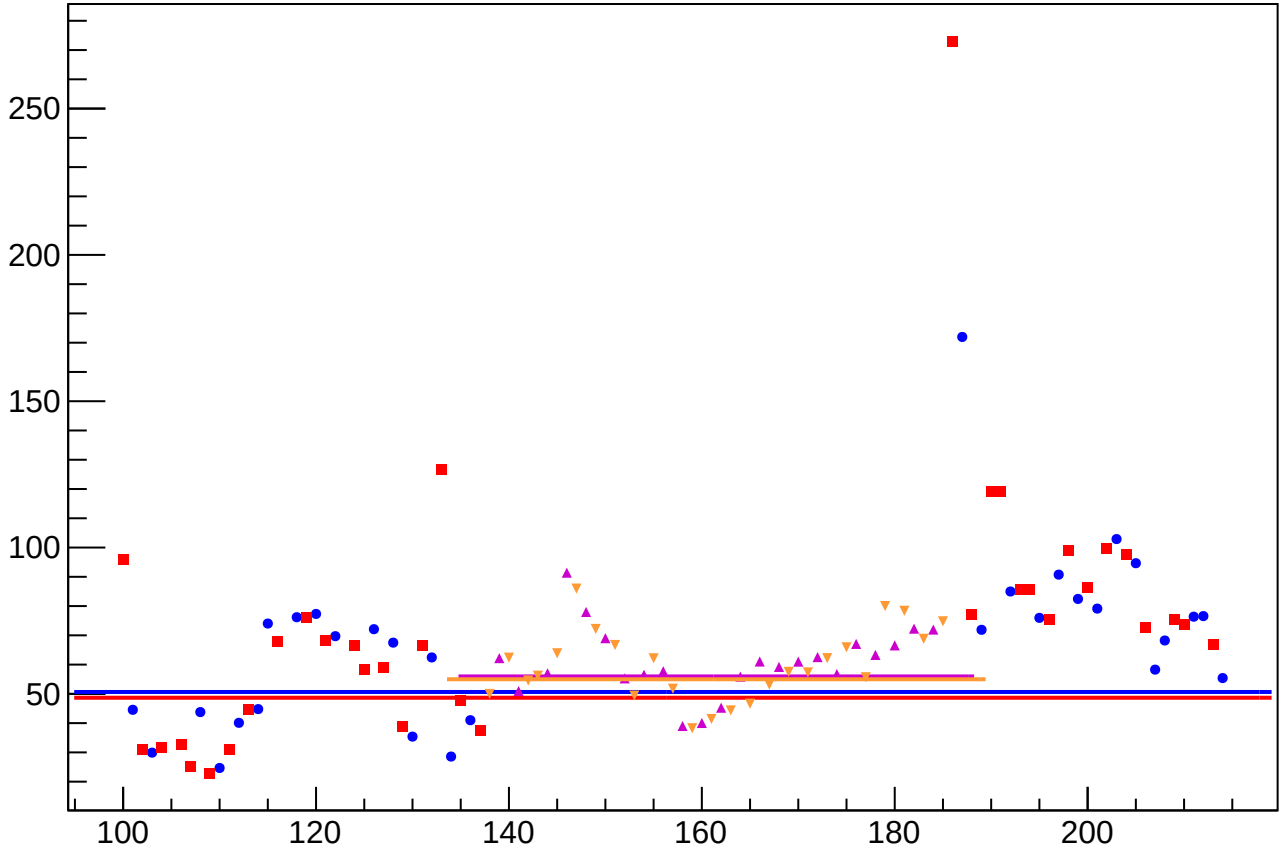
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.010+/-0.009 χ^2/NDF: 73.6/54

All: 0.007+/-0.007 χ^2/NDF: 152.1/111

- sign 0.005+/-0.009 χ^2/NDF: 78.4/56

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 50.642+/-0.009 χ^2/NDF: 5394290.3/29

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

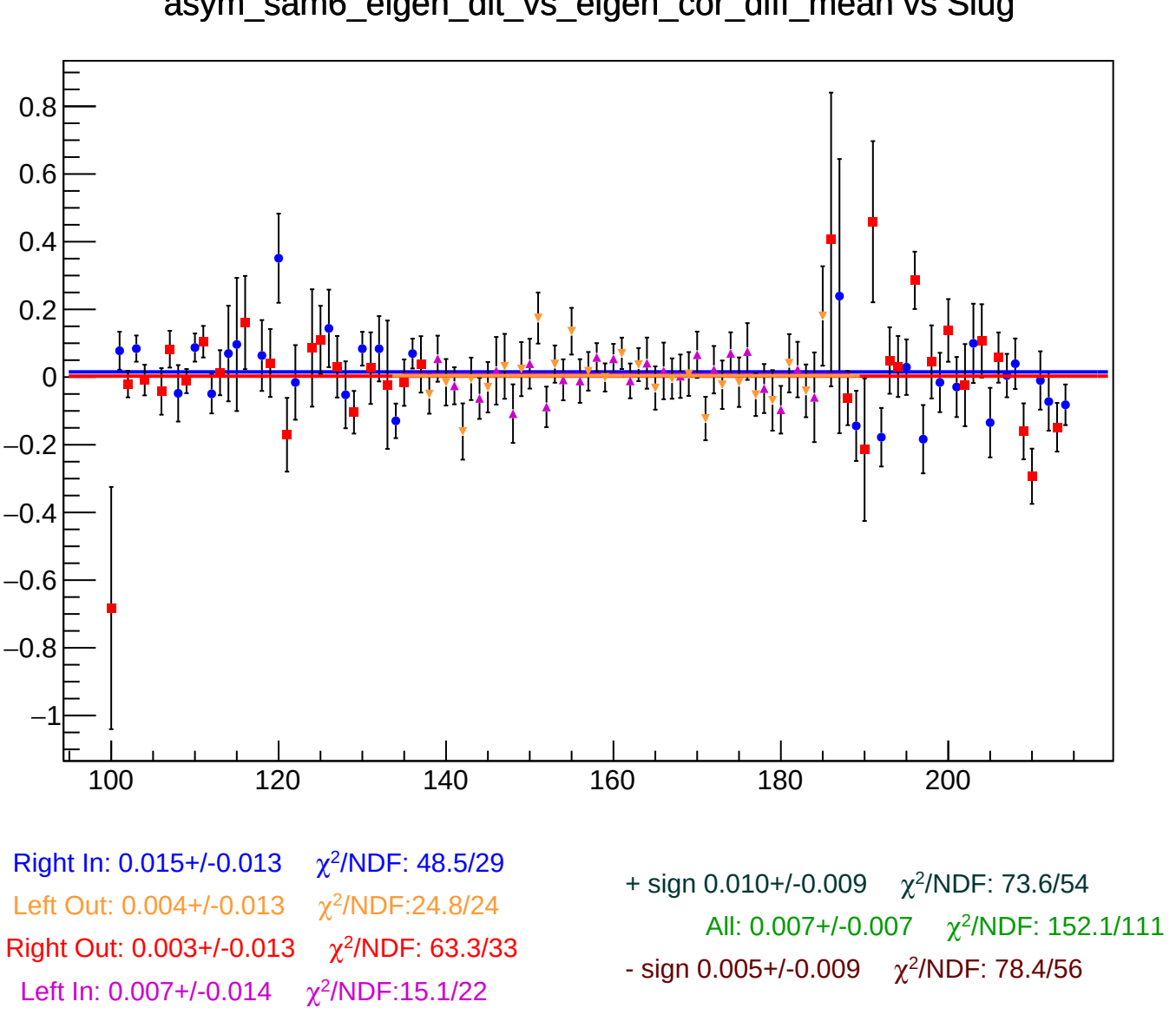
Right Out: 48.678+/-0.009 χ^2/NDF: 7618150.3/33

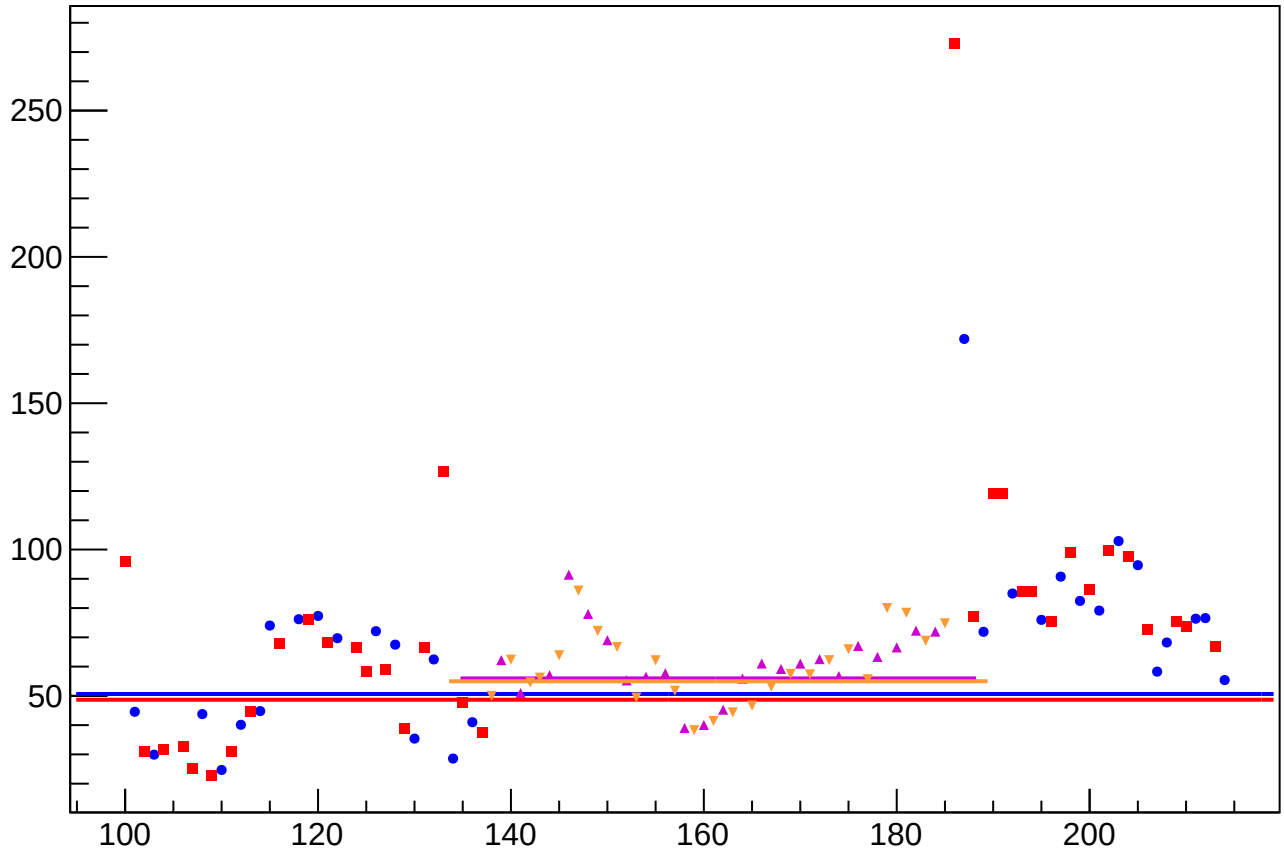
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.848+/-0.007 χ^2/NDF: 7071856.2/54

All: 52.507+/-0.005 χ^2/NDF: 16404367.5/111

- sign 52.157+/-0.007 χ^2/NDF: 9326963.8/56


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
Right In: 0.015+/-0.013 χ²/NDF: 48.5/29
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: 0.003+/-0.013 χ²/NDF: 63.3/33
Left In: 0.007+/-0.014 χ²/NDF:15.1/22
+ sign 0.010+/-0.009 χ²/NDF: 73.6/54
All: 0.007+/-0.007 χ²/NDF: 152.1/111
- sign 0.005+/-0.009 χ²/NDF: 78.4/56



Right In: 50.642+/-0.009 χ^2/NDF: 5394290.3/29

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 48.678+/-0.009 χ^2/NDF: 7618150.3/33

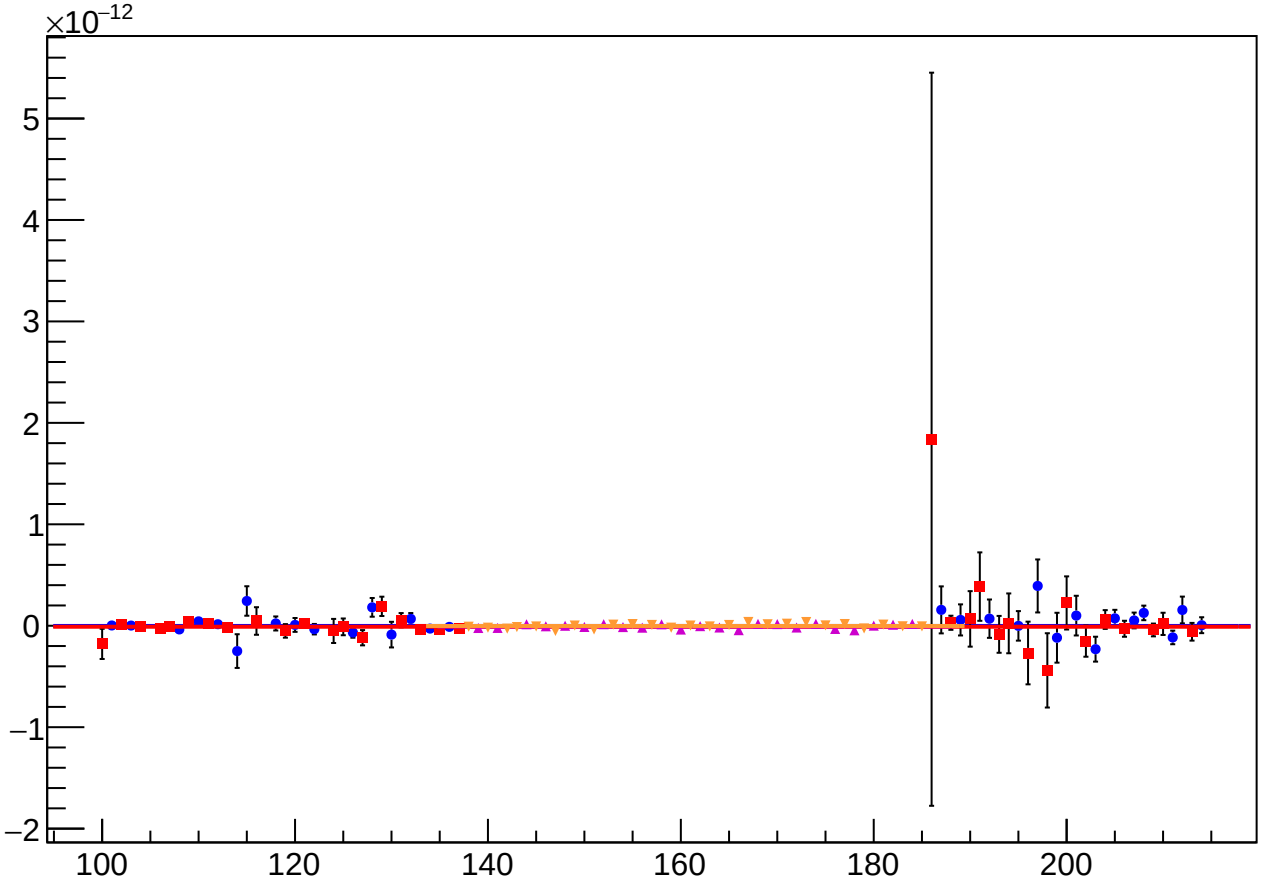
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 52.848+/-0.007 χ^2/NDF: 7071856.2/54

All: 52.507+/-0.005 χ^2/NDF: 16404367.5/111

- sign 52.157+/-0.007 χ^2/NDF: 9326963.8/56

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/33

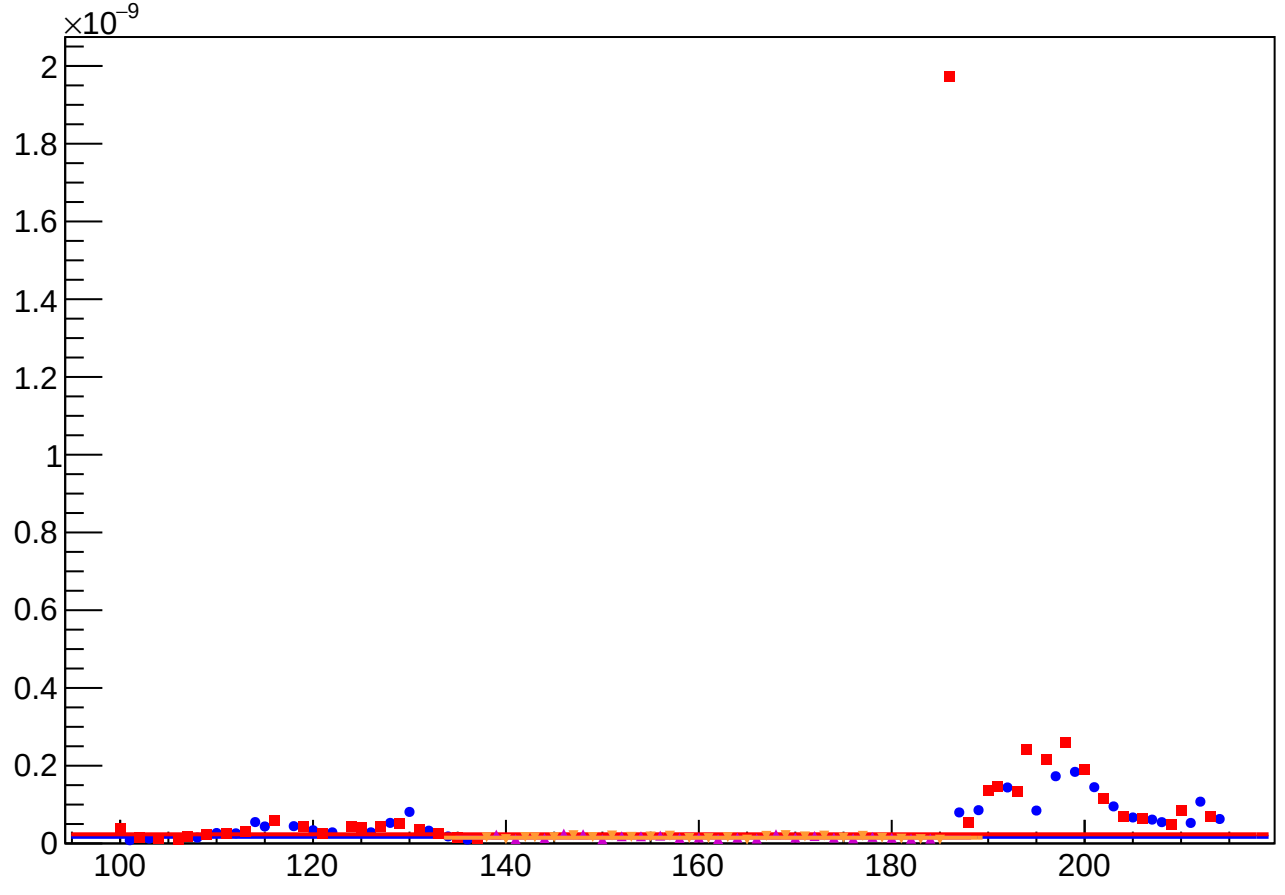
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/54

All: -0.000+/-0.000 χ^2/NDF: 97.7/111

- sign -0.000+/-0.000 χ^2/NDF: 45.0/56

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12928228.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11657543.1/33

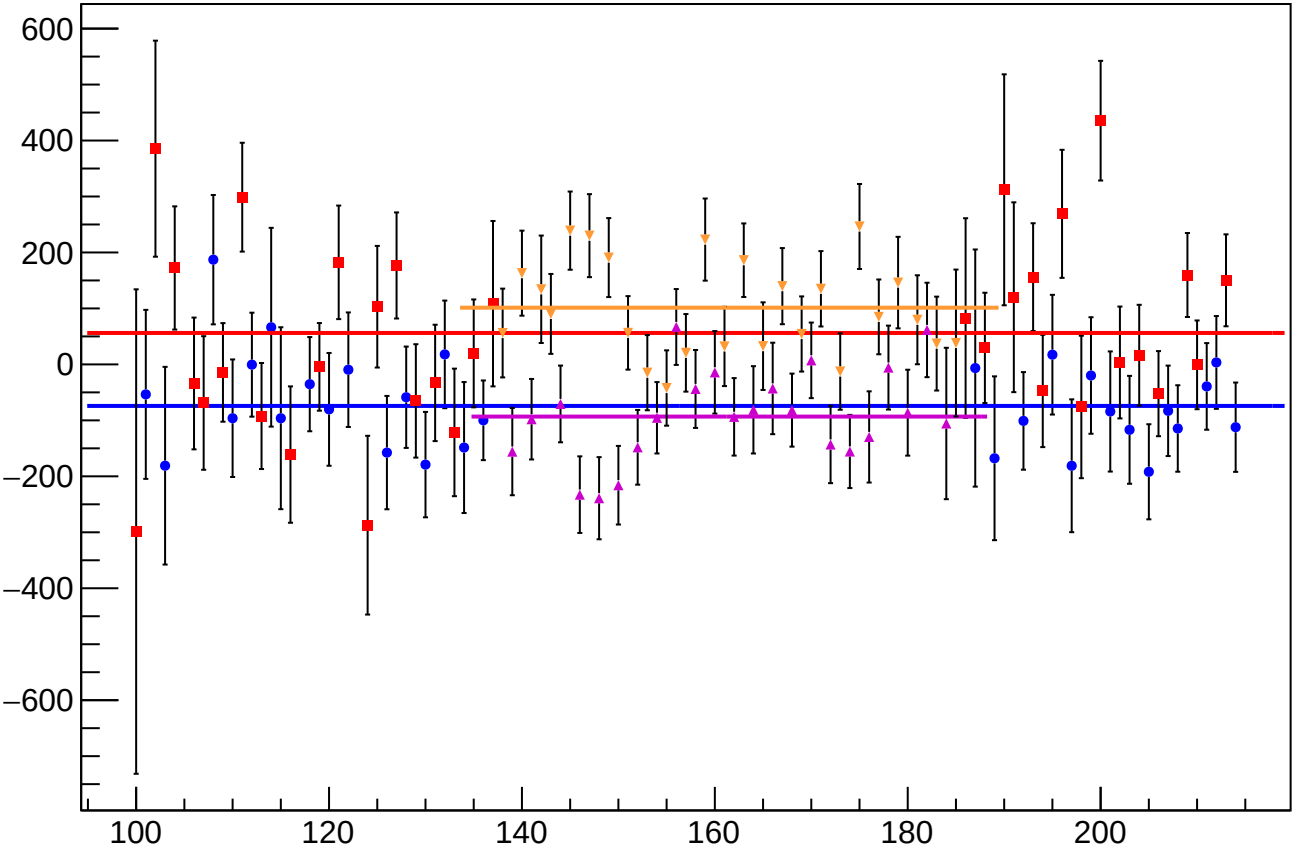
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14488513.7/54

All: 0.000+/-0.000 χ^2/NDF: 29267654.5/111

- sign 0.000+/-0.000 χ^2/NDF: 14666231.2/56

reg_asym_sam7_mean vs Slug



Right In: -74.199+/-18.114 χ^2/NDF: 17.0/29

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.174+/-17.980 χ^2/NDF: 59.6/33

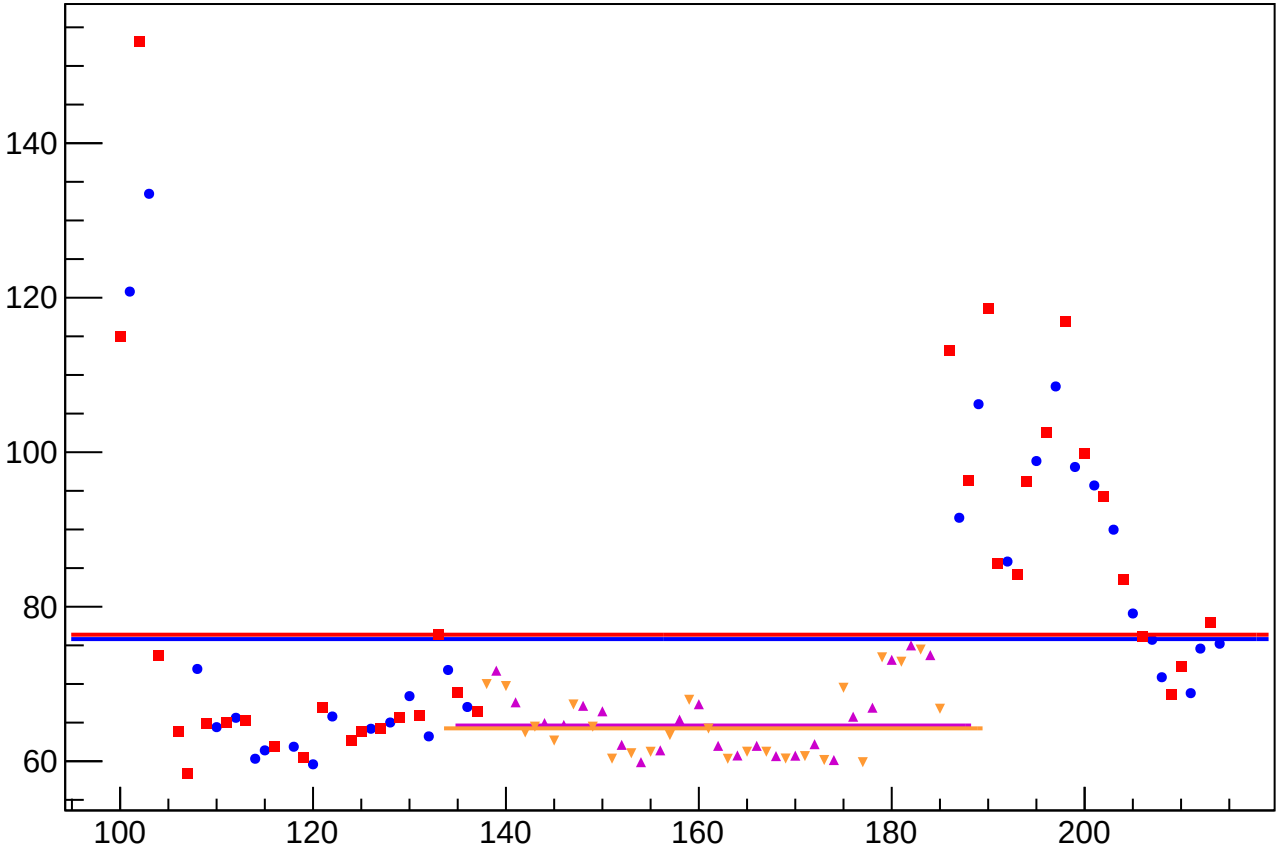
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 31.964+/-11.387 χ^2/NDF: 107.6/54

All: 0.879+/-8.119 χ^2/NDF: 251.7/111

- sign -31.265+/-11.580 χ^2/NDF: 128.9/56

reg_asym_sam7_rms vs Slug



Right In: 75.810+/-0.013 χ^2/NDF: 1331348.0/29

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.380+/-0.013 χ^2/NDF: 1611850.8/33

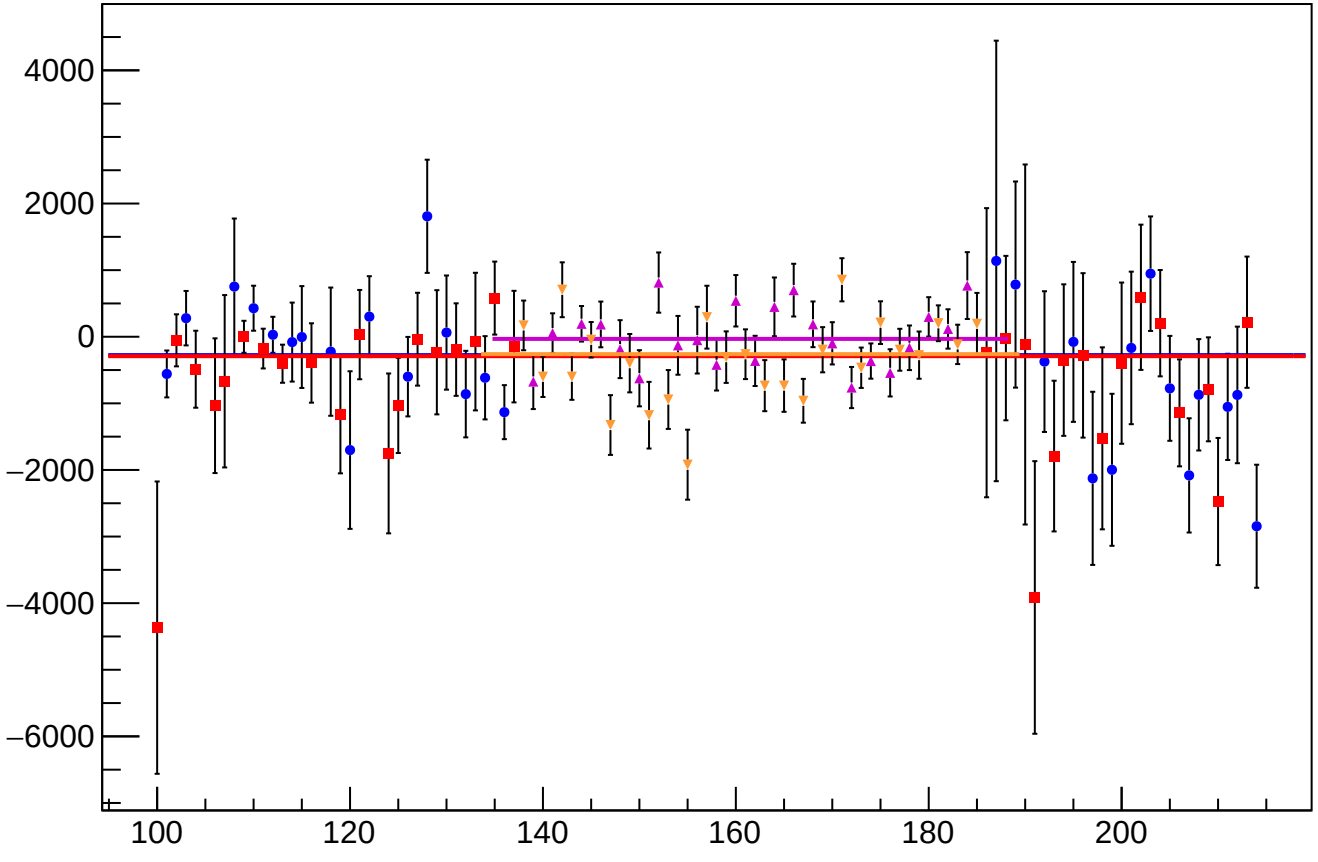
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.821+/-0.008 χ^2/NDF: 2001180.9/54

All: 69.154+/-0.006 χ^2/NDF: 4264329.4/111

- sign 69.498+/-0.008 χ^2/NDF: 2259672.3/56

asym_sam7_reg_correction_mean vs Slug



Right In: -275.828+/-114.140 χ^2/NDF: 45.1/29

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -291.753+/-108.795 χ^2/NDF: 26.7/33

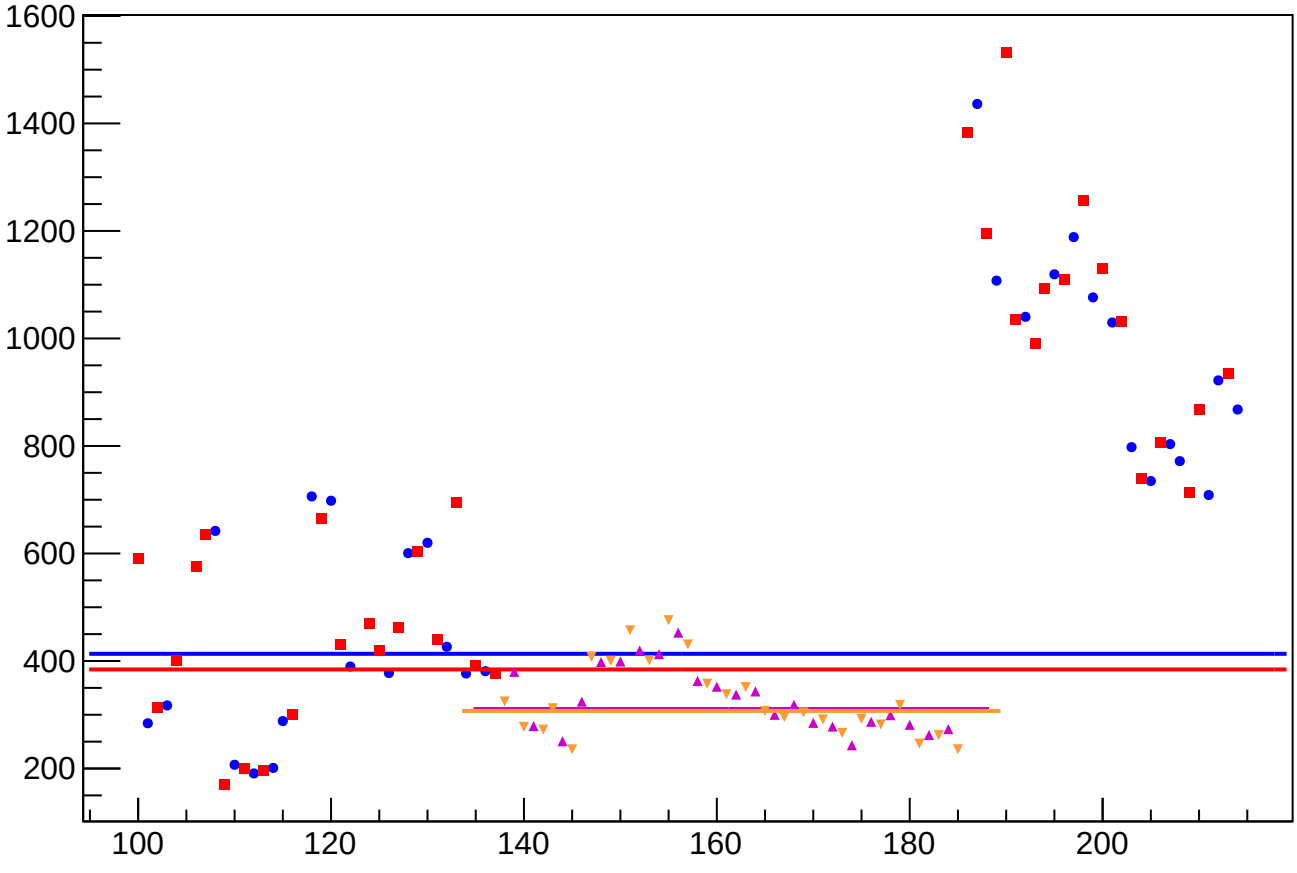
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -265.248+/-60.452 χ^2/NDF: 104.0/54

All: -190.526+/-42.972 χ^2/NDF: 169.4/111

- sign -114.204+/-61.095 χ^2/NDF: 62.3/56

asym_sam7_reg_correction_rms vs Slug



Right In: 413.395+/-0.081 χ^2/NDF: 10156700.5/29

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 384.284+/-0.077 χ^2/NDF: 12659965.8/33

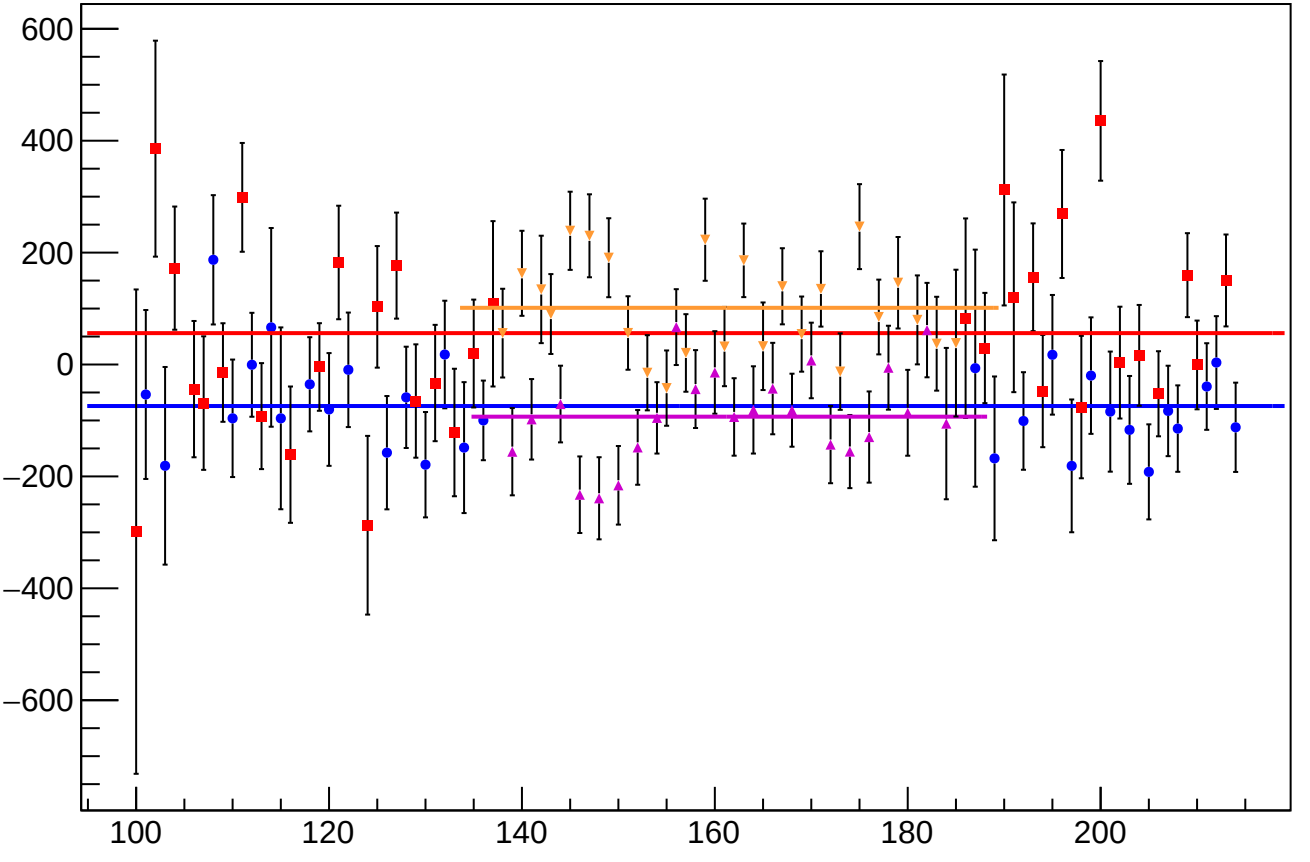
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 336.947+/-0.043 χ^2/NDF: 12723810.3/54

All: 335.442+/-0.030 χ^2/NDF: 27092197.7/11

- sign 333.903+/-0.043 χ^2/NDF: 14365878.5/56

cor_asym_sam7_mean vs Slug



Right In: -74.200+/-18.114 χ^2/NDF: 17.0/29

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.095+/-17.994 χ^2/NDF: 59.7/33

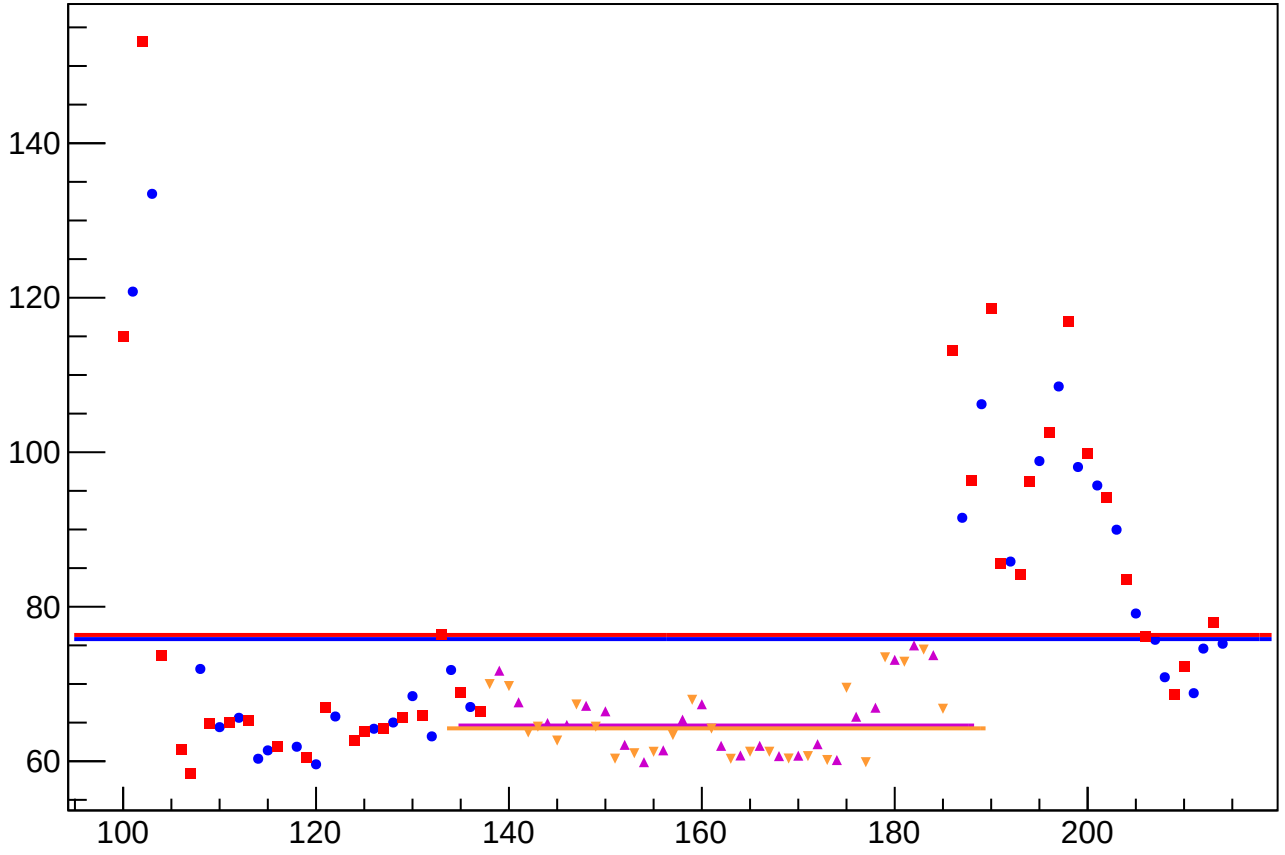
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 31.963+/-11.387 χ^2/NDF: 107.6/54

All: 0.846+/-8.120 χ^2/NDF: 251.7/111

- sign -31.353+/-11.583 χ^2/NDF: 128.9/56

cor_asym_sam7_rms vs Slug



Right In: 75.810+/-0.013 χ^2/NDF: 1331348.3/29

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.348+/-0.013 χ^2/NDF: 1619081.7/33

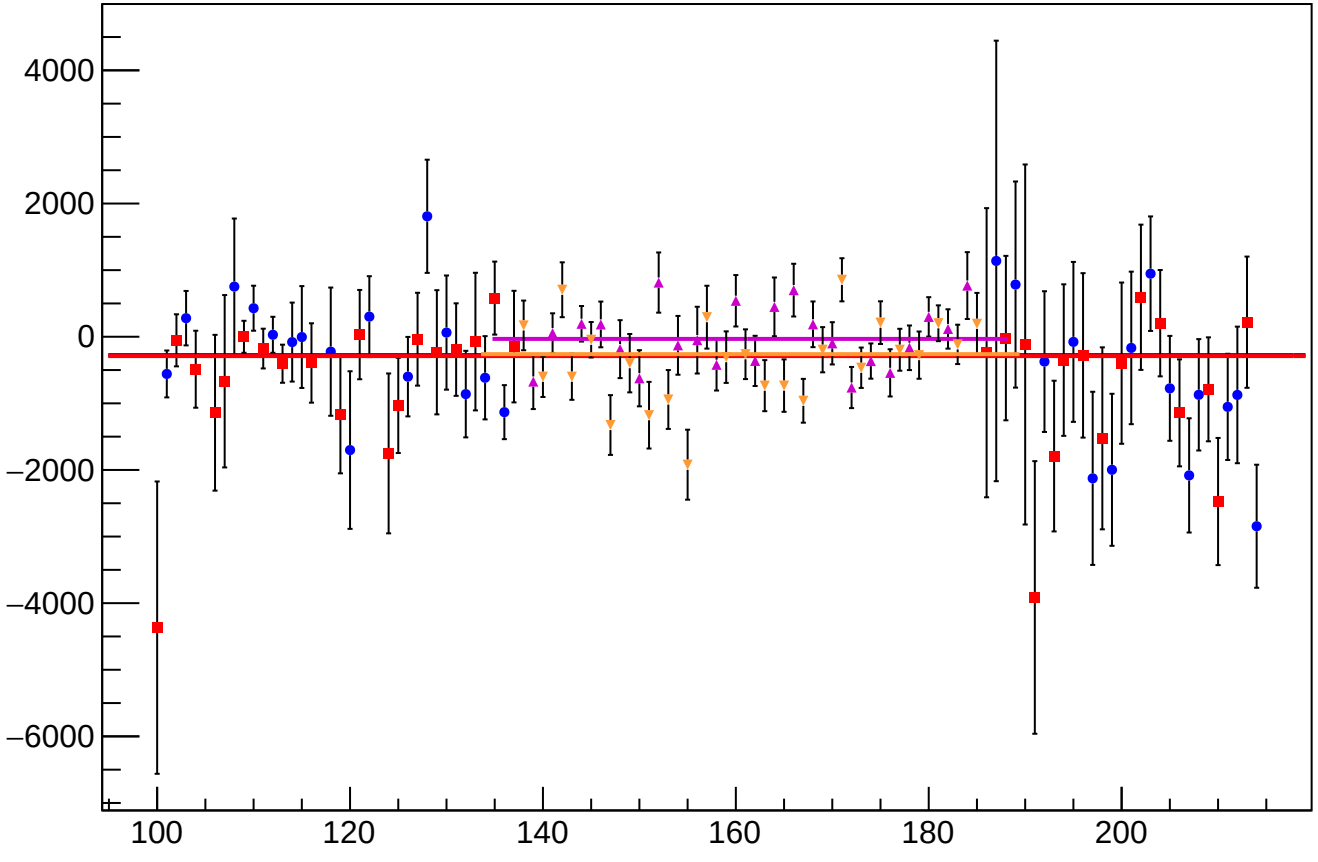
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.821+/-0.008 χ^2/NDF: 2001181.3/54

All: 69.145+/-0.006 χ^2/NDF: 4268178.1/111

- sign 69.481+/-0.008 χ^2/NDF: 2263702.1/56

asym_sam7_cor_correction_mean vs Slug



Right In: -275.826+/-114.141 χ^2/NDF: 45.1/29

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -290.507+/-108.958 χ^2/NDF: 26.7/33

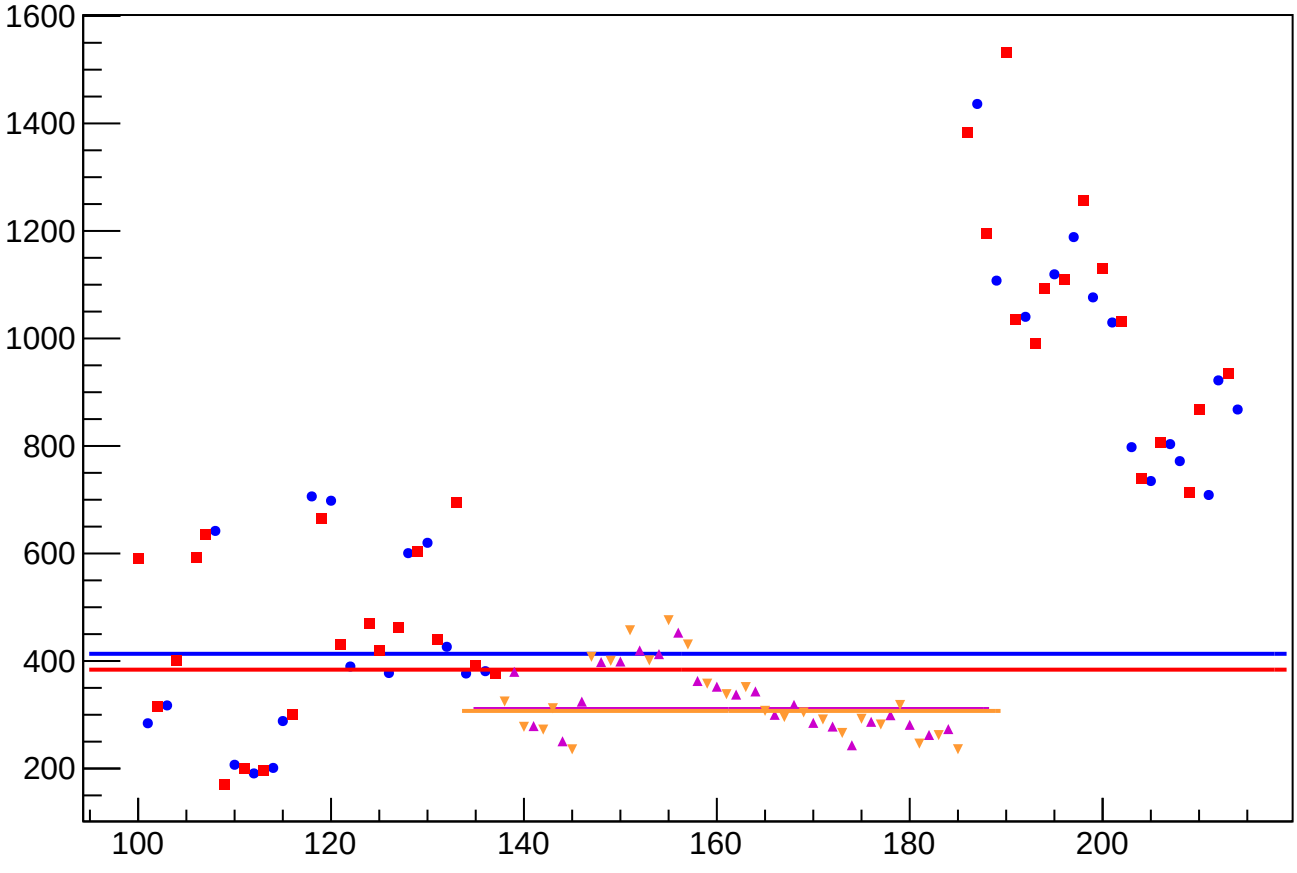
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -265.248+/-60.452 χ^2/NDF: 104.0/54

All: -190.283+/-42.982 χ^2/NDF: 169.4/111

- sign -113.642+/-61.124 χ^2/NDF: 62.3/56

asym_sam7_cor_correction_rms vs Slug



Right In: 413.398+/-0.081 χ^2/NDF: 10156636.5/29

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 383.897+/-0.077 χ^2/NDF: 12652097.4/33

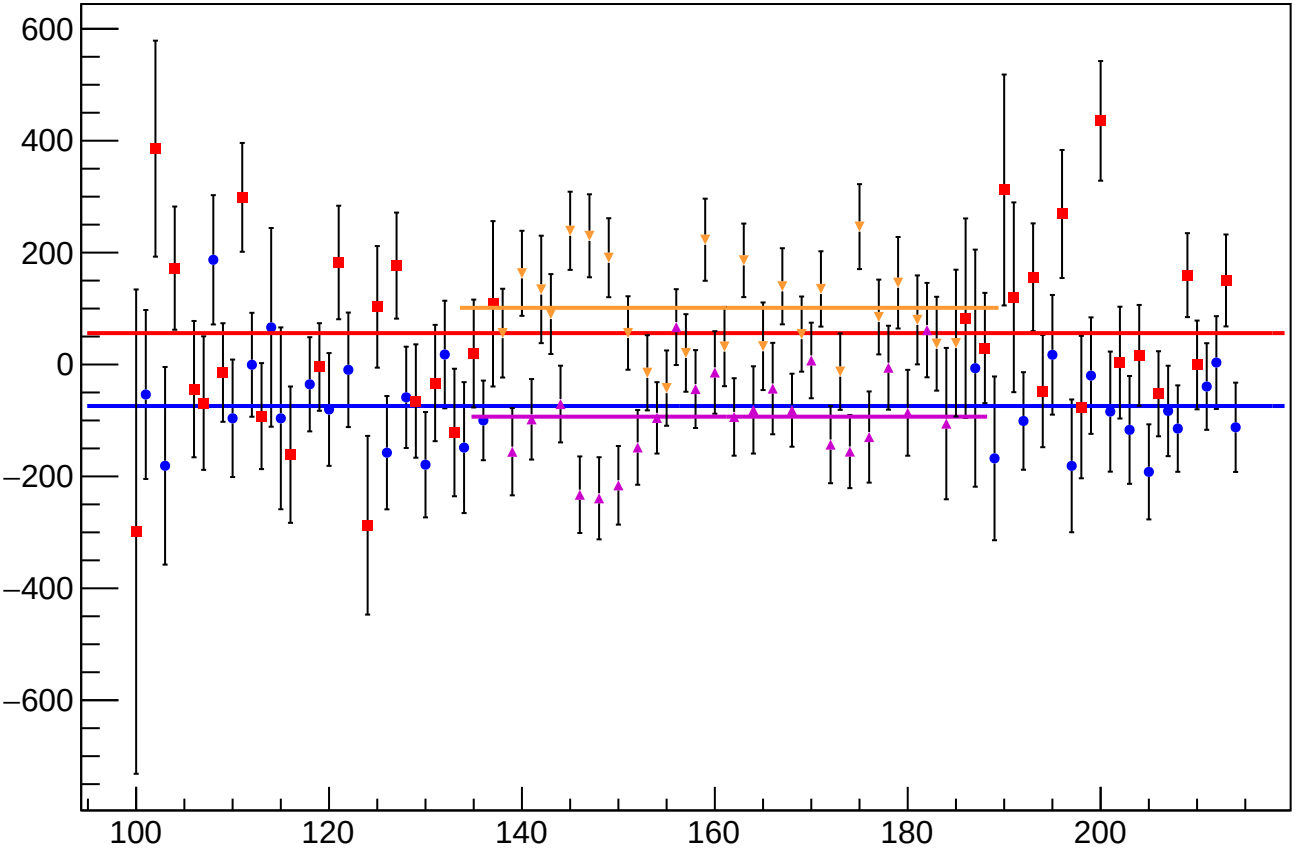
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 336.948+/-0.043 χ^2/NDF: 12723797.8/54

All: 335.359+/-0.030 χ^2/NDF: 27076762.4/11

- sign 333.734+/-0.043 χ^2/NDF: 14350169.6/56

eigen_cor_asym_sam7_mean vs Slug



Right In: -74.200+/-18.114 χ^2/NDF: 17.0/29

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 56.095+/-17.994 χ^2/NDF: 59.7/33

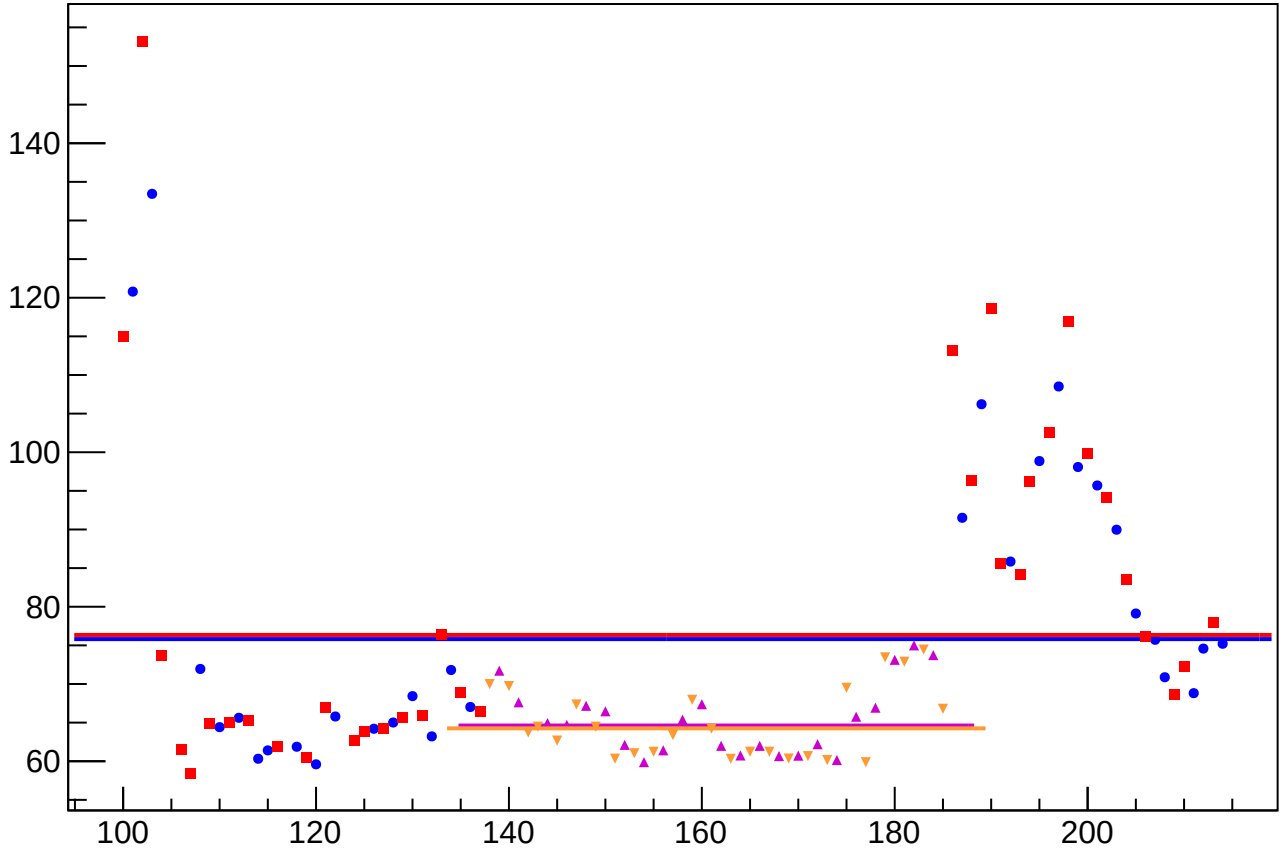
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 31.963+/-11.387 χ^2/NDF: 107.6/54

All: 0.846+/-8.120 χ^2/NDF: 251.7/111

- sign -31.353+/-11.583 χ^2/NDF: 128.9/56

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.810+/-0.013 χ^2/NDF: 1331348.3/29

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.348+/-0.013 χ^2/NDF: 1619081.7/33

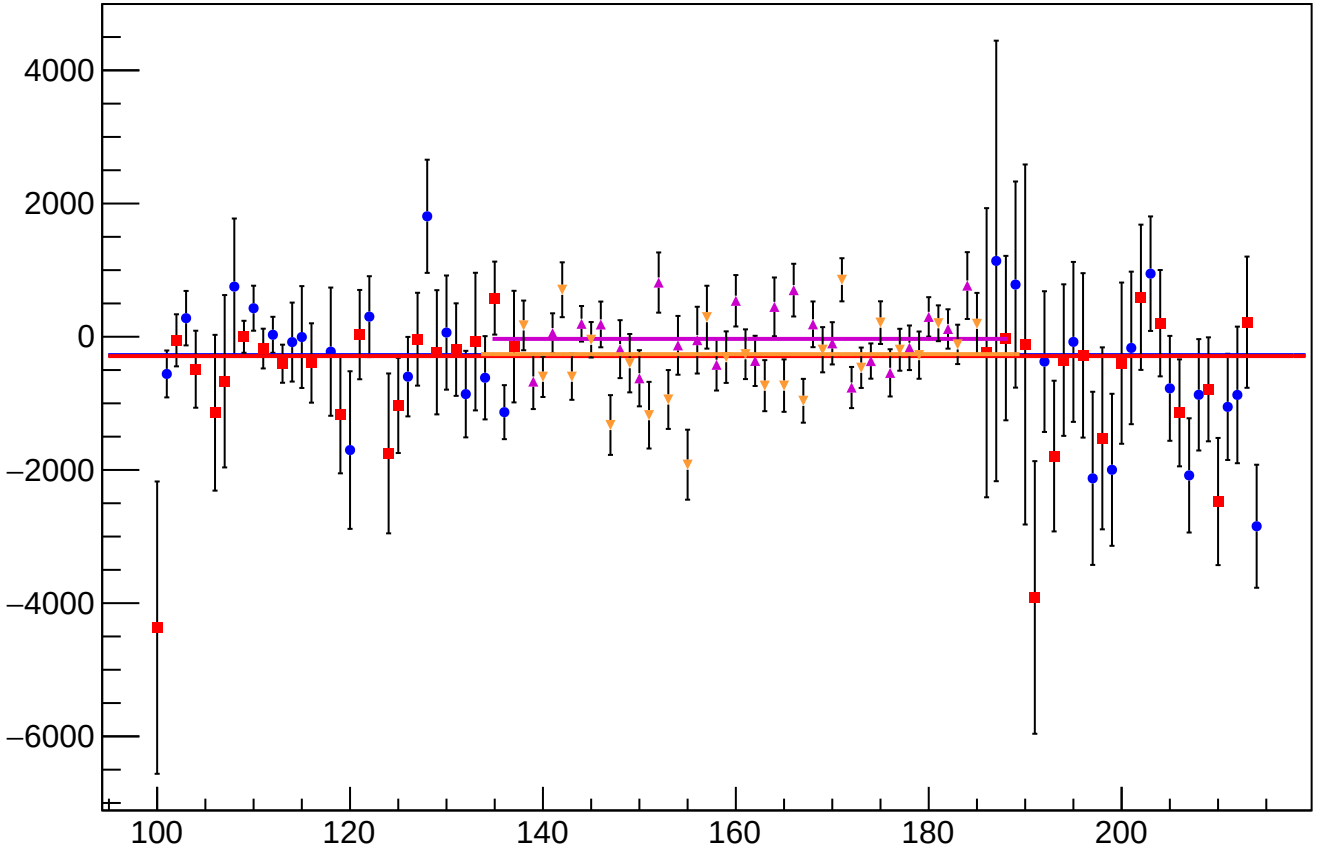
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.821+/-0.008 χ^2/NDF: 2001181.3/54

All: 69.145+/-0.006 χ^2/NDF: 4268178.1/111

- sign 69.481+/-0.008 χ^2/NDF: 2263702.1/56

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -275.826+/-114.141 χ^2/NDF: 45.1/29

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -290.507+/-108.958 χ^2/NDF: 26.7/33

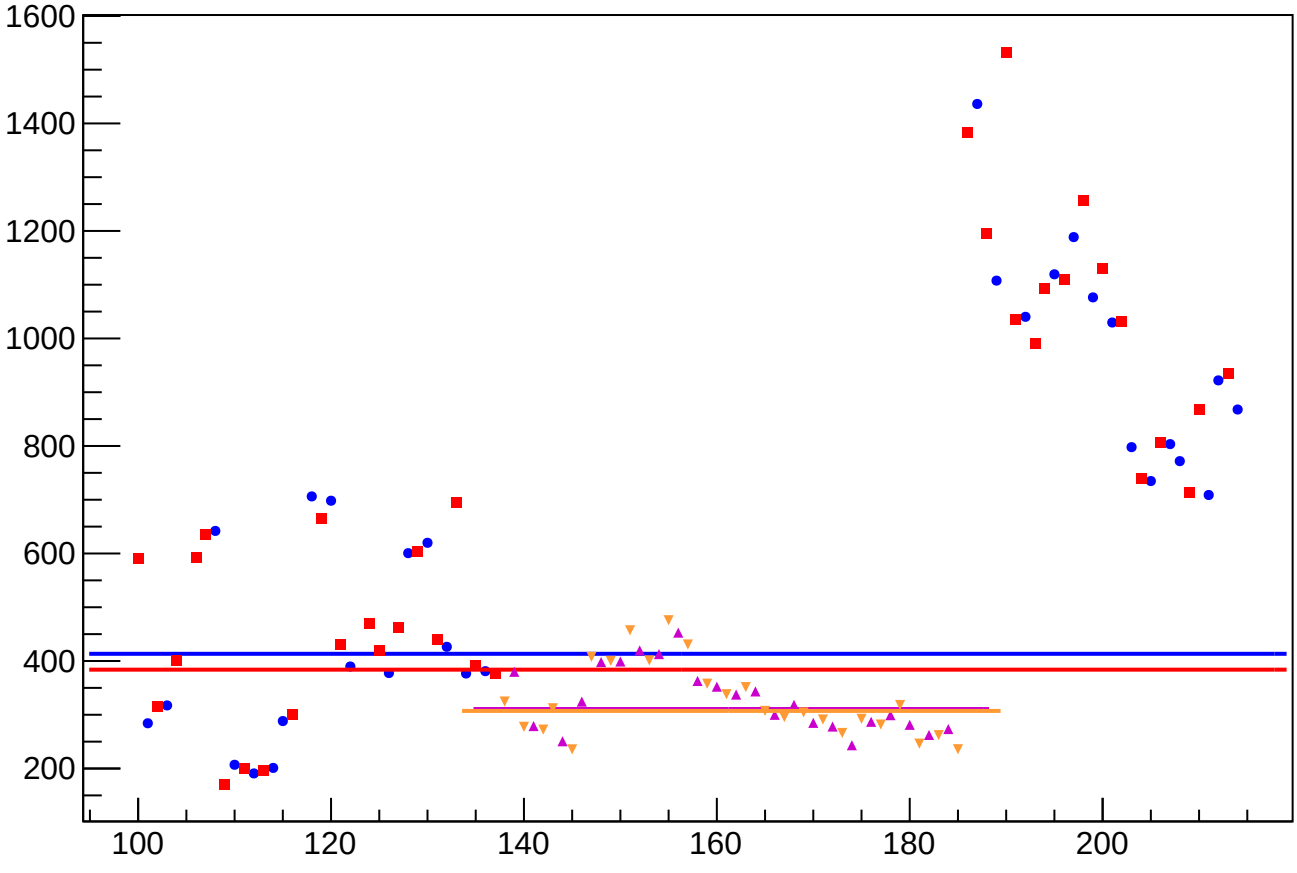
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -265.248+/-60.452 χ^2/NDF: 104.0/54

All: -190.283+/-42.982 χ^2/NDF: 169.4/111

- sign -113.642+/-61.124 χ^2/NDF: 62.3/56

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 413.398+/-0.081 χ^2/NDF: 10156636.5/29

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 383.897+/-0.077 χ^2/NDF: 12652097.4/33

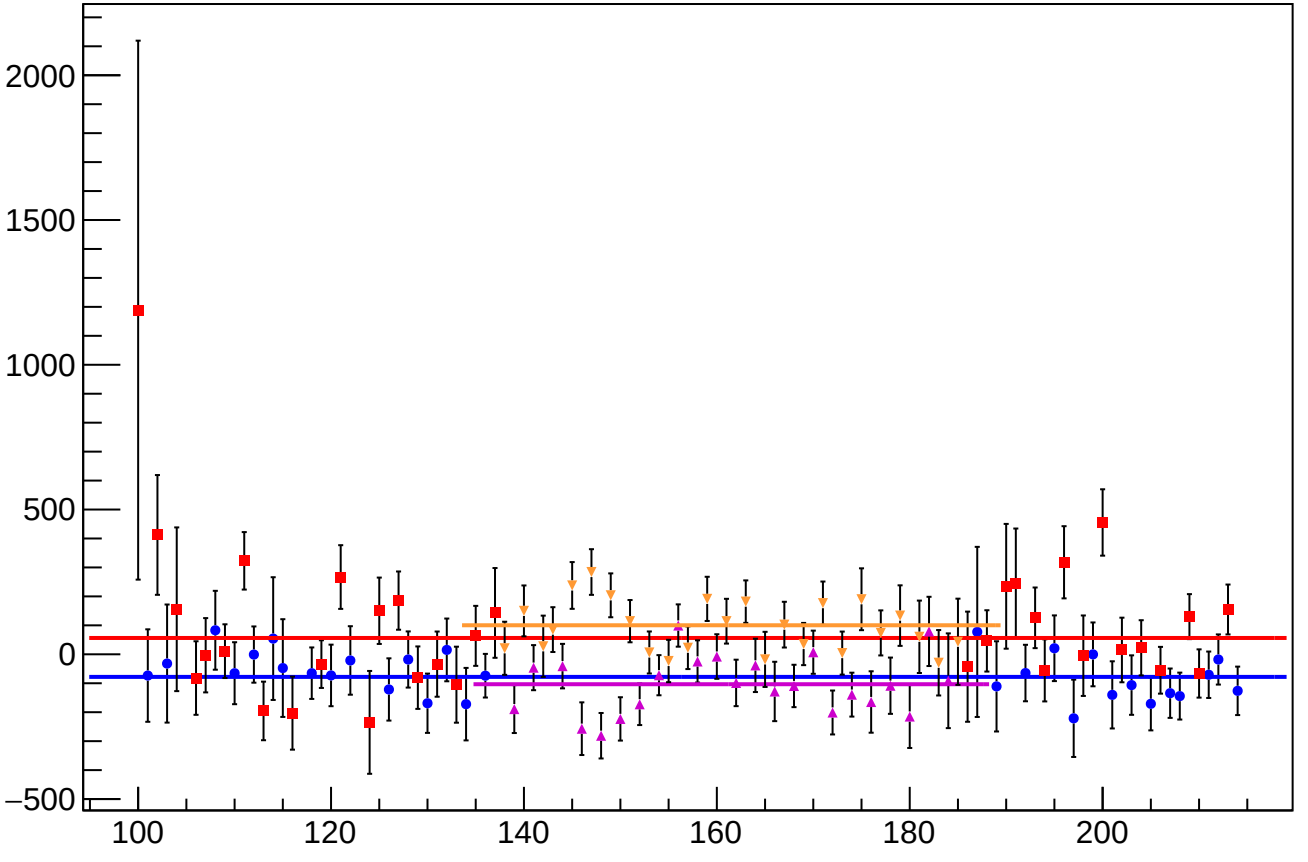
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 336.948+/-0.043 χ^2/NDF: 12723797.8/54

All: 335.359+/-0.030 χ^2/NDF: 27076762.4/11

- sign 333.734+/-0.043 χ^2/NDF: 14350169.6/56

dit_asym_sam7_mean vs Slug



Right In: -78.044+/-19.422 χ^2/NDF: 11.5/29

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 56.397+/-19.399 χ^2/NDF: 64.6/33

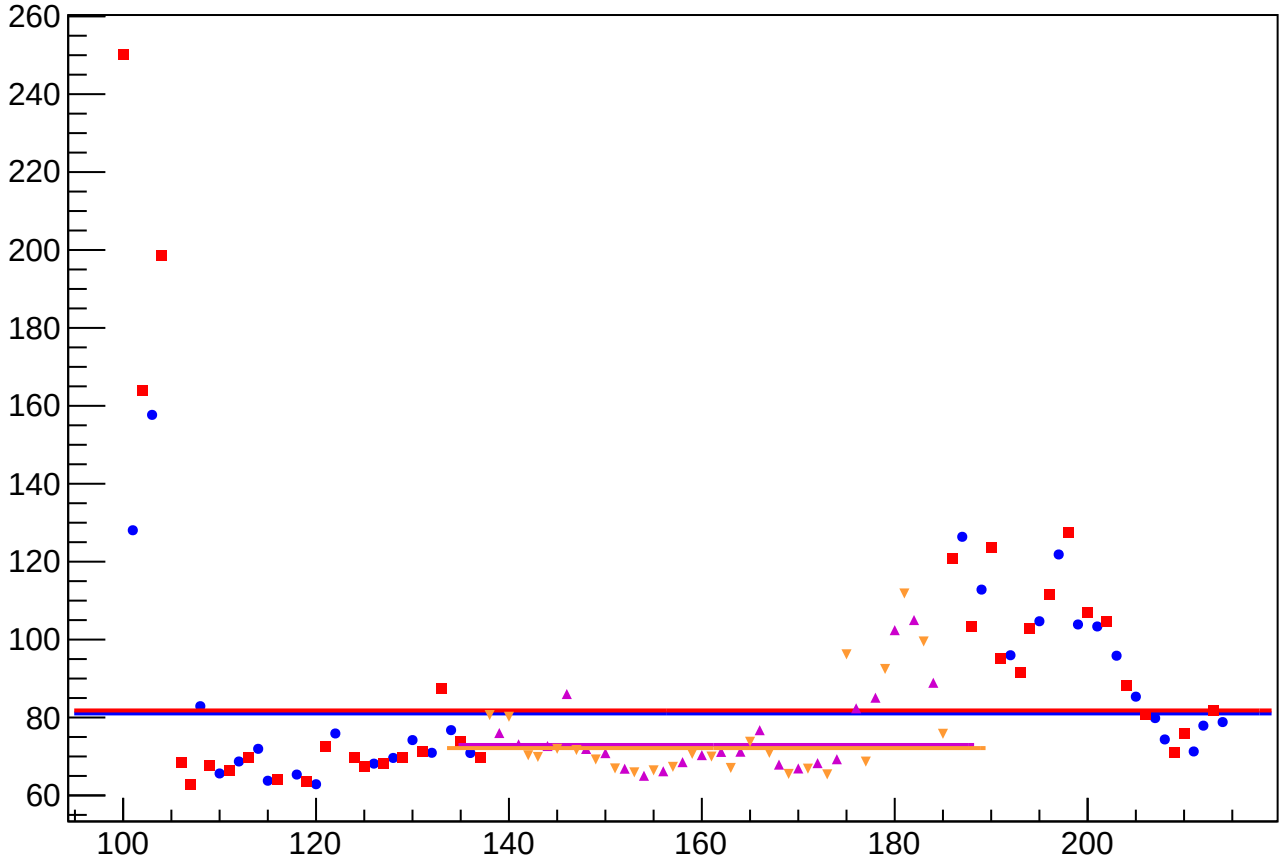
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 24.870+/-12.630 χ^2/NDF: 87.8/54

All: -3.352+/-9.023 χ^2/NDF: 233.2/111

- sign -32.770+/-12.895 χ^2/NDF: 135.1/56

dit_asym_sam7_rms vs Slug



Right In: 81.048+/-0.014 χ^2/NDF: 1505356.8/29

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.809+/-0.014 χ^2/NDF: 2126945.6/33

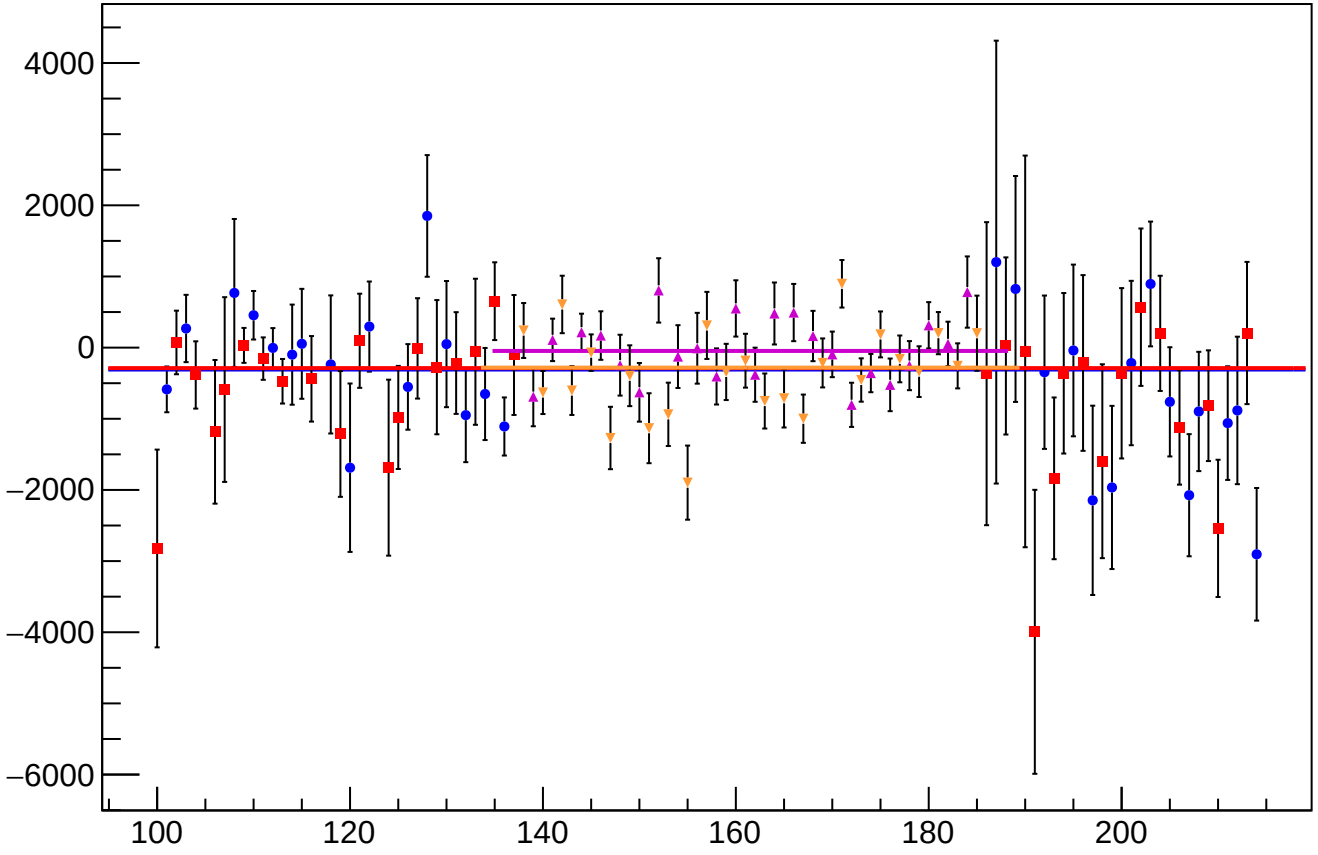
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.913+/-0.009 χ^2/NDF: 2389626.9/54

All: 76.378+/-0.006 χ^2/NDF: 5264037.5/111

- sign 76.863+/-0.009 χ^2/NDF: 2868860.8/56

asym_sam7_dit_correction_mean vs Slug



Right In: -307.777+/-116.111 χ^2/NDF: 44.6/29

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -288.119+/-110.686 χ^2/NDF: 28.5/33

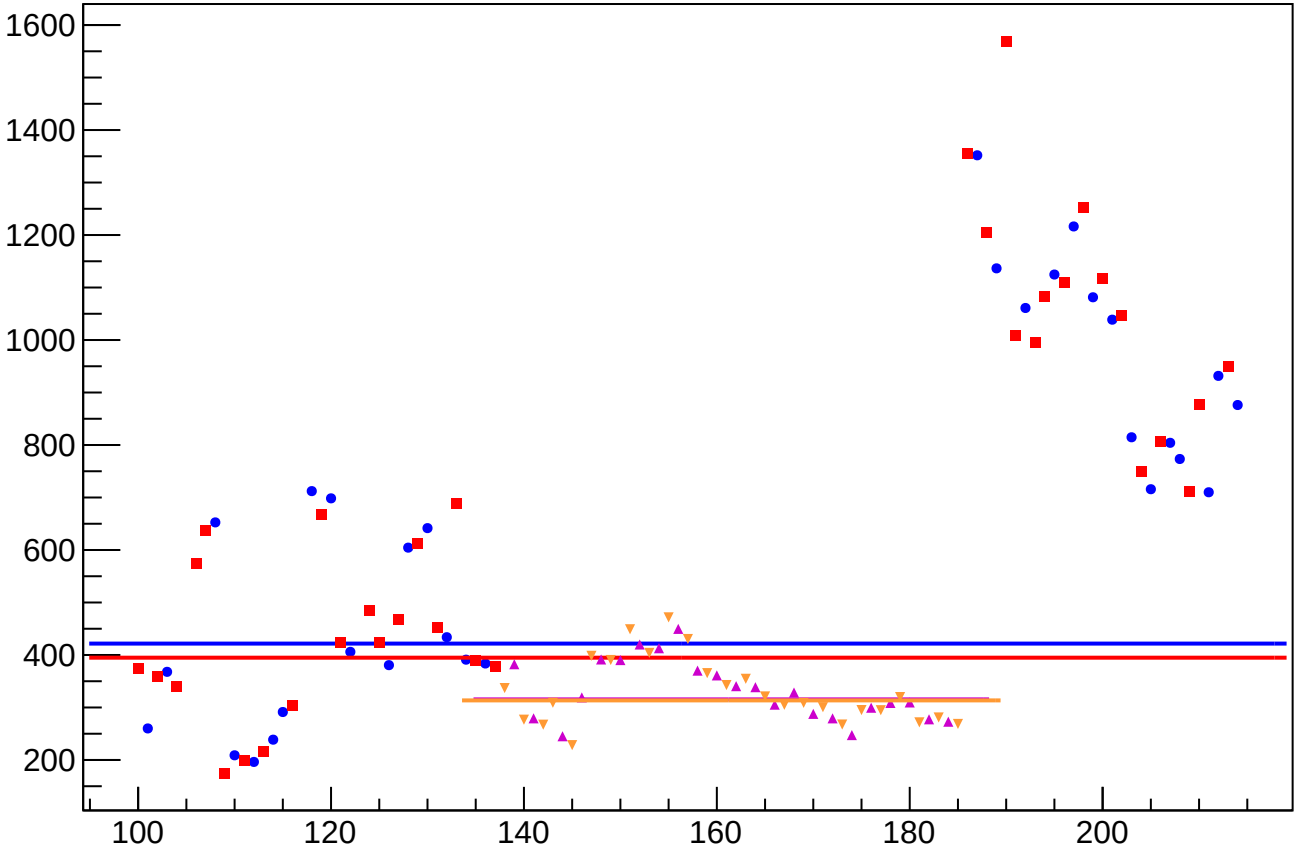
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -288.664+/-61.519 χ^2/NDF: 101.4/54

All: -206.236+/-43.680 χ^2/NDF: 167.6/111

- sign -122.432+/-62.031 χ^2/NDF: 62.5/56

asym_sam7_dit_correction_rms vs Slug



Right In: 421.708+/-0.082 χ^2/NDF: 10027634.3/29

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 394.864+/-0.078 χ^2/NDF: 12219388.5/33

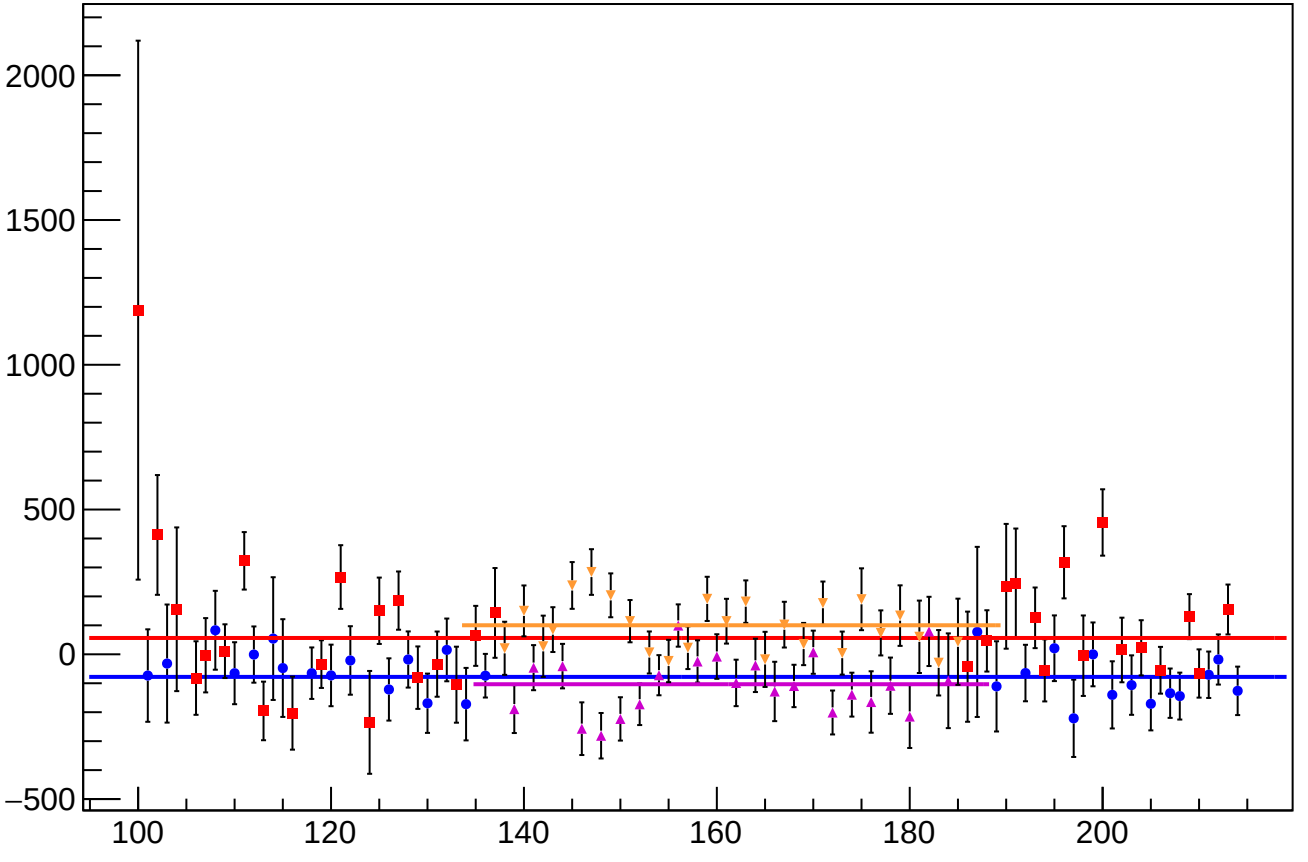
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 343.877+/-0.044 χ^2/NDF: 12452552.8/54

All: 342.150+/-0.031 χ^2/NDF: 26389736.4/11

- sign 340.395+/-0.044 χ^2/NDF: 13934007.5/56

eigen_dit_asym_sam7_mean vs Slug



Right In: -78.043+/-19.422 χ^2/NDF: 11.5/29

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 56.398+/-19.399 χ^2/NDF: 64.6/33

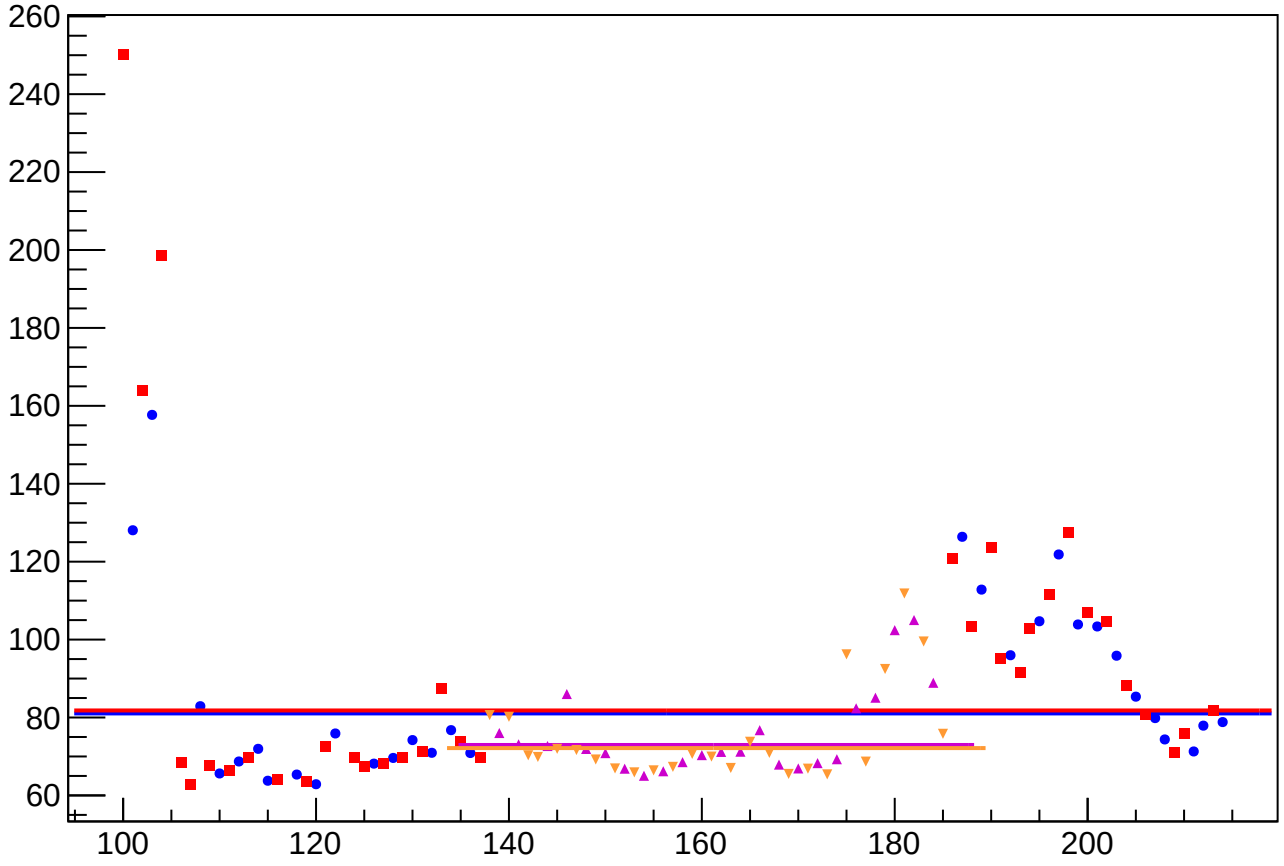
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 24.870+/-12.630 χ^2/NDF: 87.8/54

All: -3.351+/-9.023 χ^2/NDF: 233.2/111

- sign -32.770+/-12.895 χ^2/NDF: 135.1/56

eigen_dit_asym_sam7_rms vs Slug



Right In: 81.048+/-0.014 χ^2/NDF: 1505363.6/29

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.809+/-0.014 χ^2/NDF: 2126947.0/33

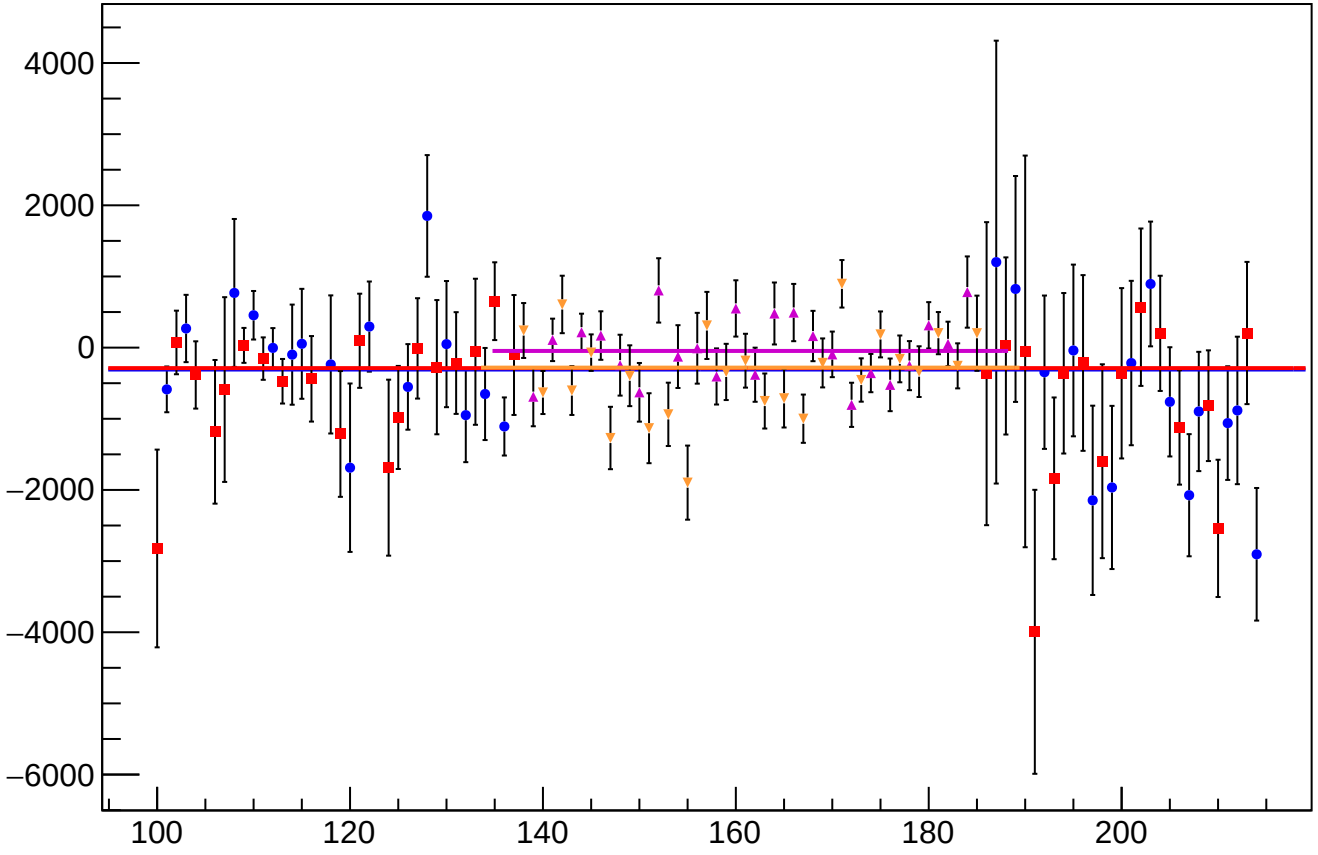
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

\+ sign 75.913+/-0.009 χ^2/NDF: 2389626.8/54

All: 76.378+/-0.006 χ^2/NDF: 5264034.6/111

\- sign 76.863+/-0.009 χ^2/NDF: 2868857.9/56

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -307.774+/-116.110 χ^2/NDF: 44.6/29

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -288.118+/-110.686 χ^2/NDF: 28.5/33

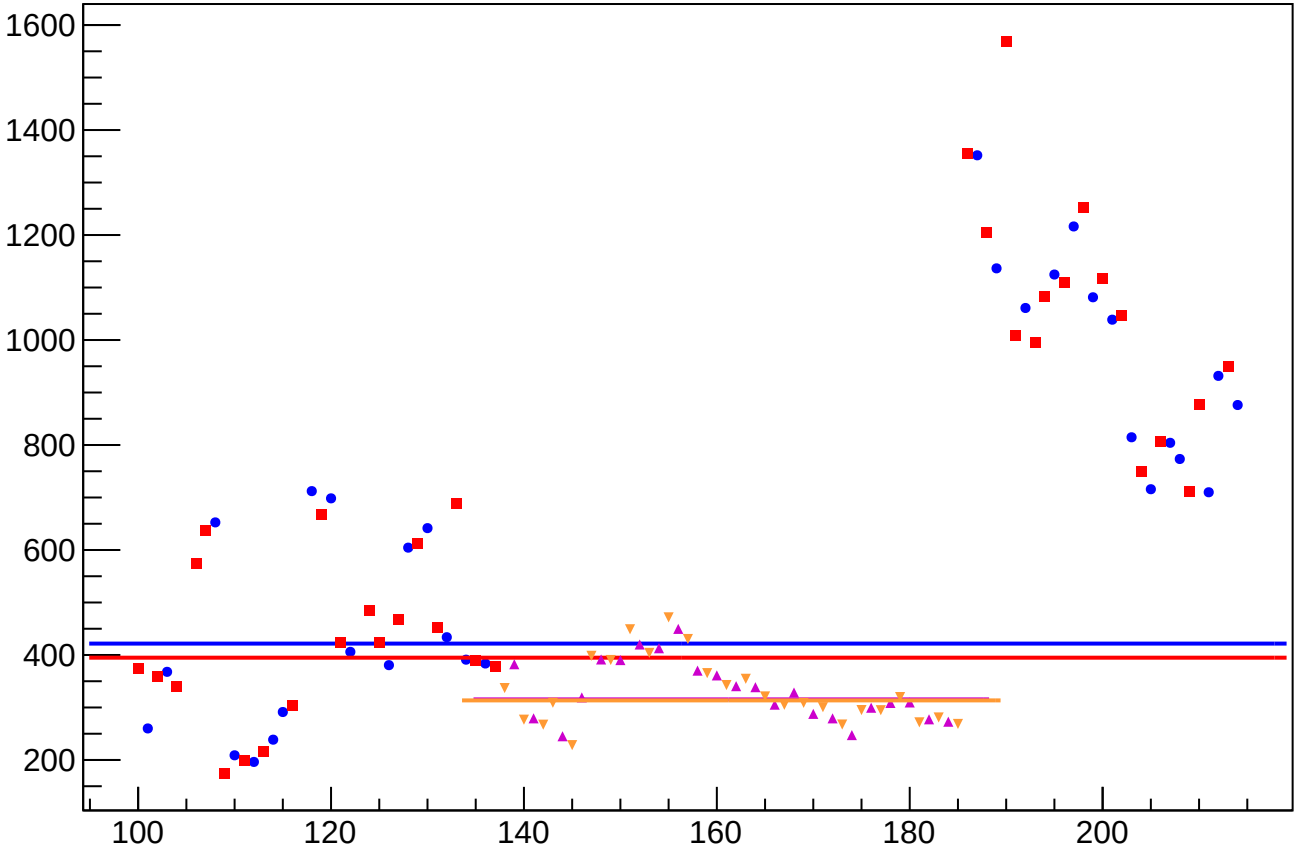
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -288.663+/-61.519 χ^2/NDF: 101.4/54

All: -206.235+/-43.680 χ^2/NDF: 167.6/111

- sign -122.432+/-62.031 χ^2/NDF: 62.5/56

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 421.705+/-0.082 χ^2/NDF: 10027747.1/29

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 394.862+/-0.078 χ^2/NDF: 12219453.0/33

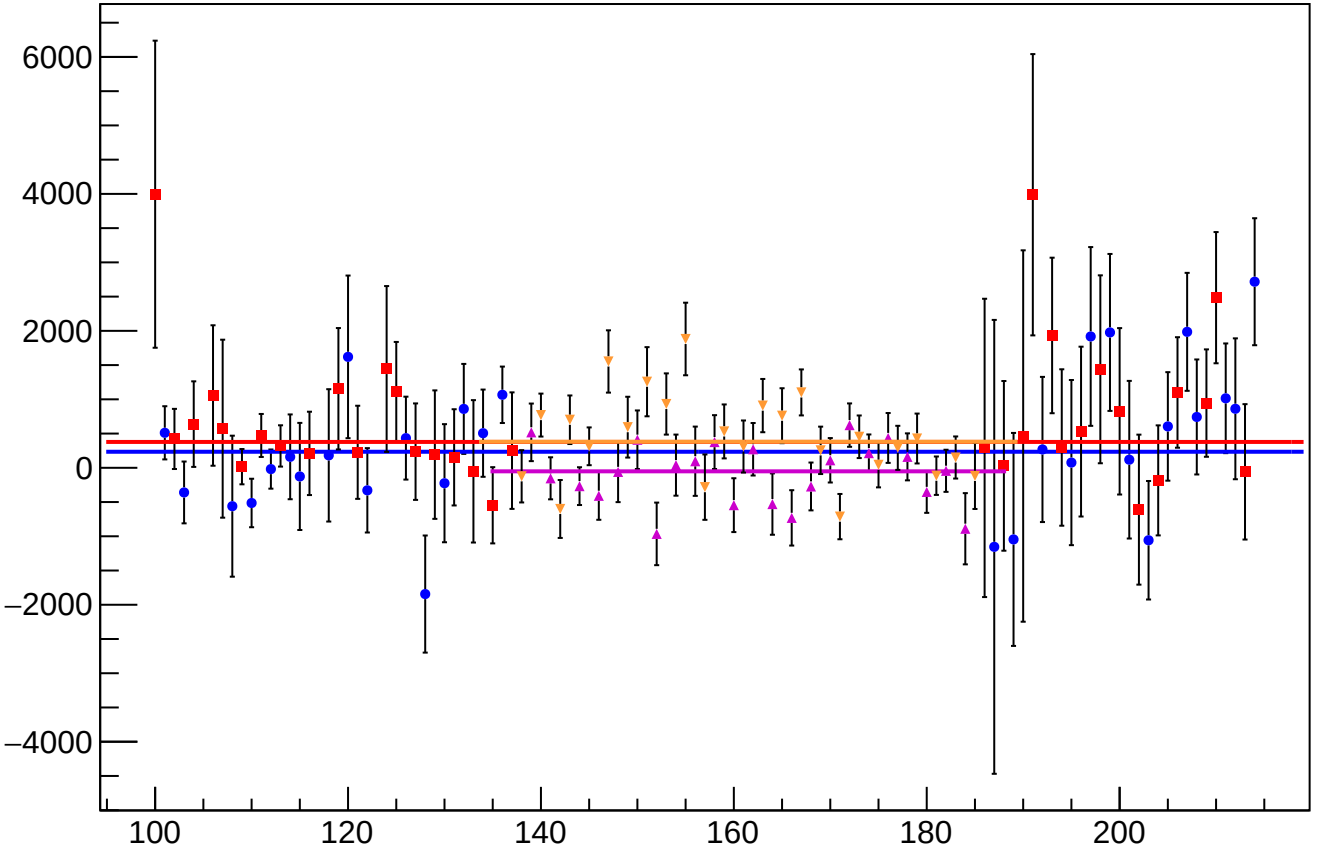
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 343.876+/-0.044 χ^2/NDF: 12452608.2/54

All: 342.150+/-0.031 χ^2/NDF: 26389817.7/11

- sign 340.395+/-0.044 χ^2/NDF: 13934033.9/56

asym_sam7_mean vs Slug



Right In: 234.368+/-118.678 χ^2/NDF: 42.3/29

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 377.754+/-113.653 χ^2/NDF: 24.6/33

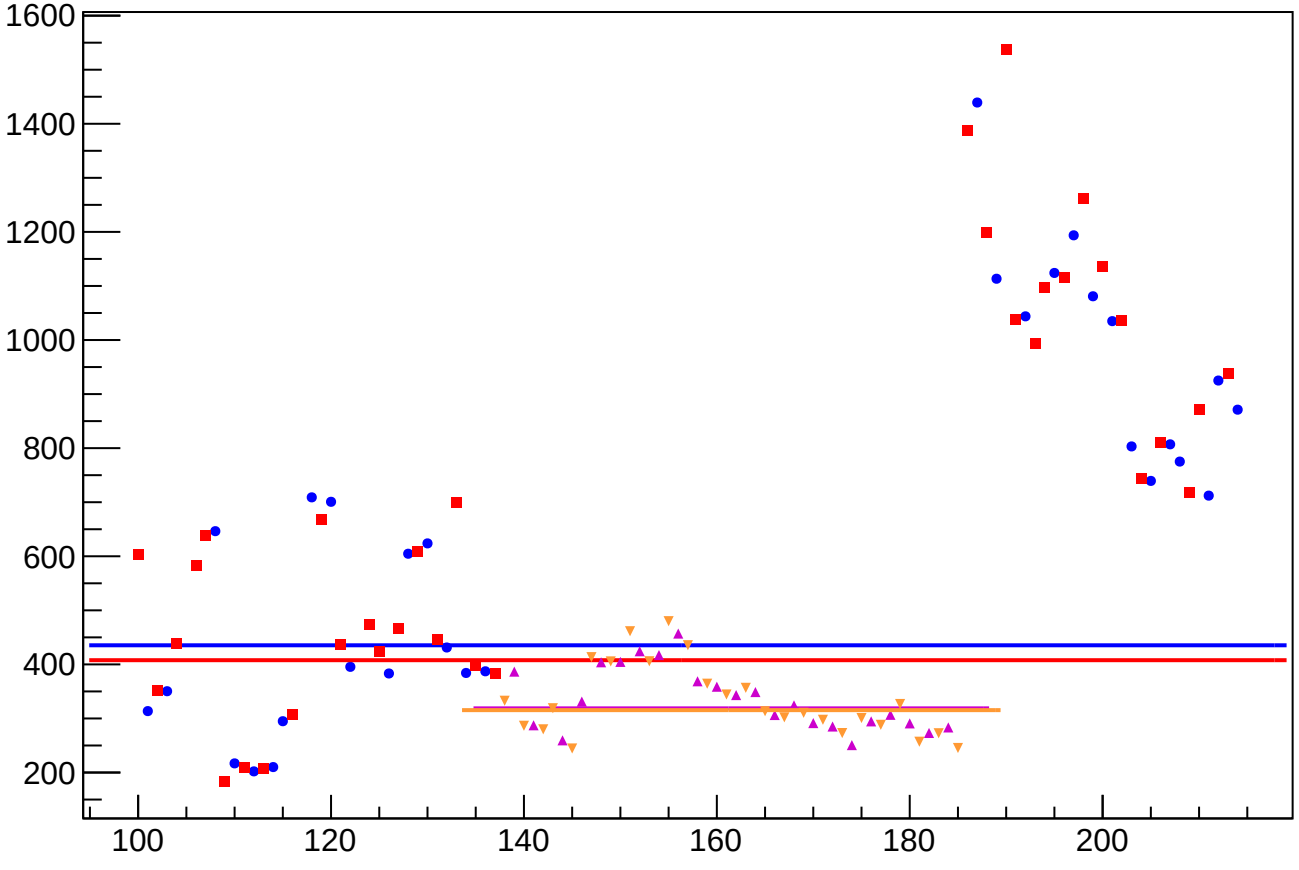
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 340.431+/-62.214 χ^2/NDF: 98.8/54

All: 211.903+/-44.254 χ^2/NDF: 170.2/111

- sign 80.260+/-62.963 χ^2/NDF: 62.7/56

asym_sam7_rms vs Slug



Right In: 435.352+/-0.084 χ^2/NDF: 9486281.8/29

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

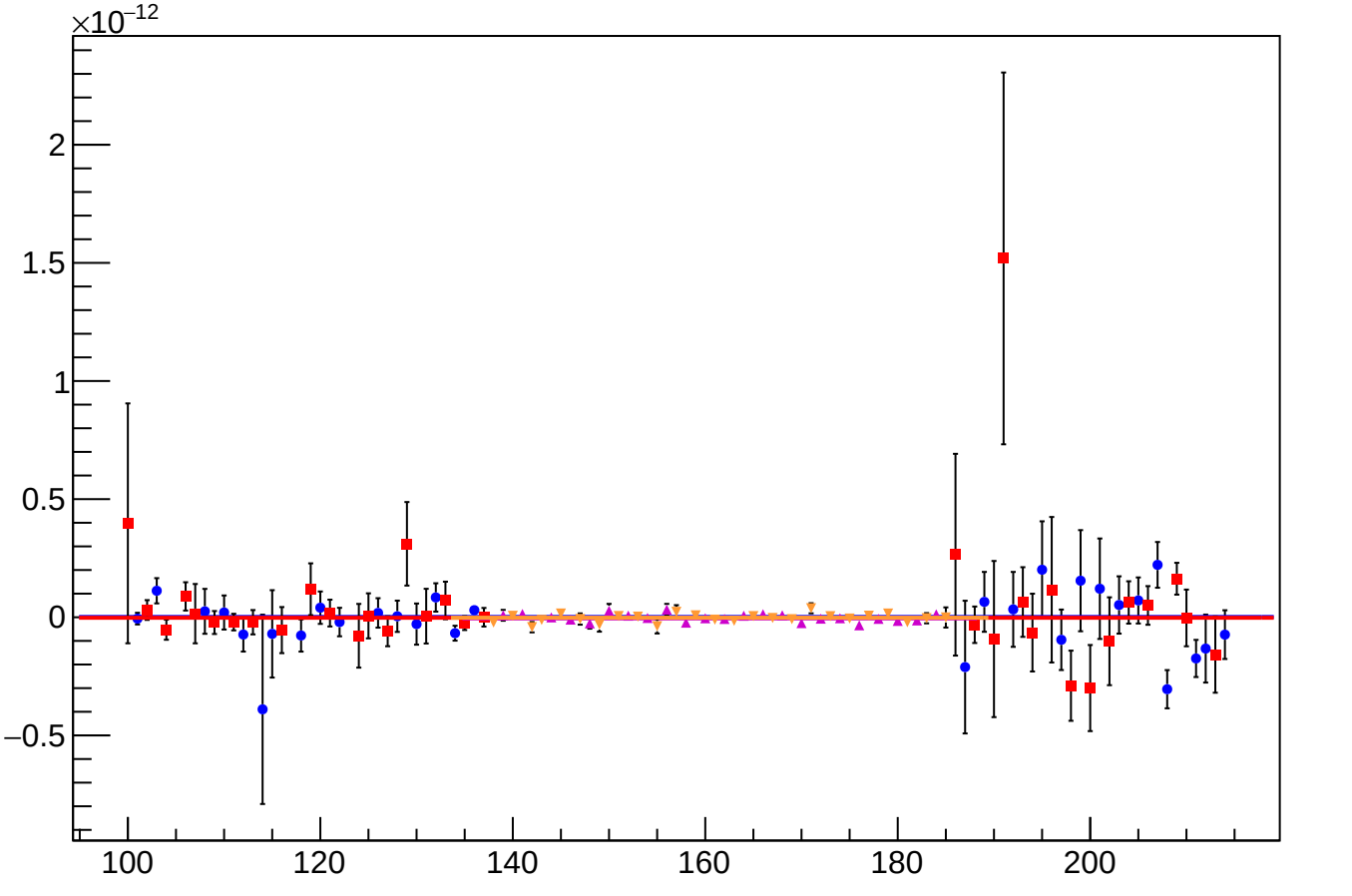
Right Out: 407.778+/-0.080 χ^2/NDF: 11900370.5/33

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 348.361+/-0.044 χ^2/NDF: 12178190.0/54

All: 347.210+/-0.031 χ^2/NDF: 25923299.5/11

- sign 346.031+/-0.045 χ^2/NDF: 13743723.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

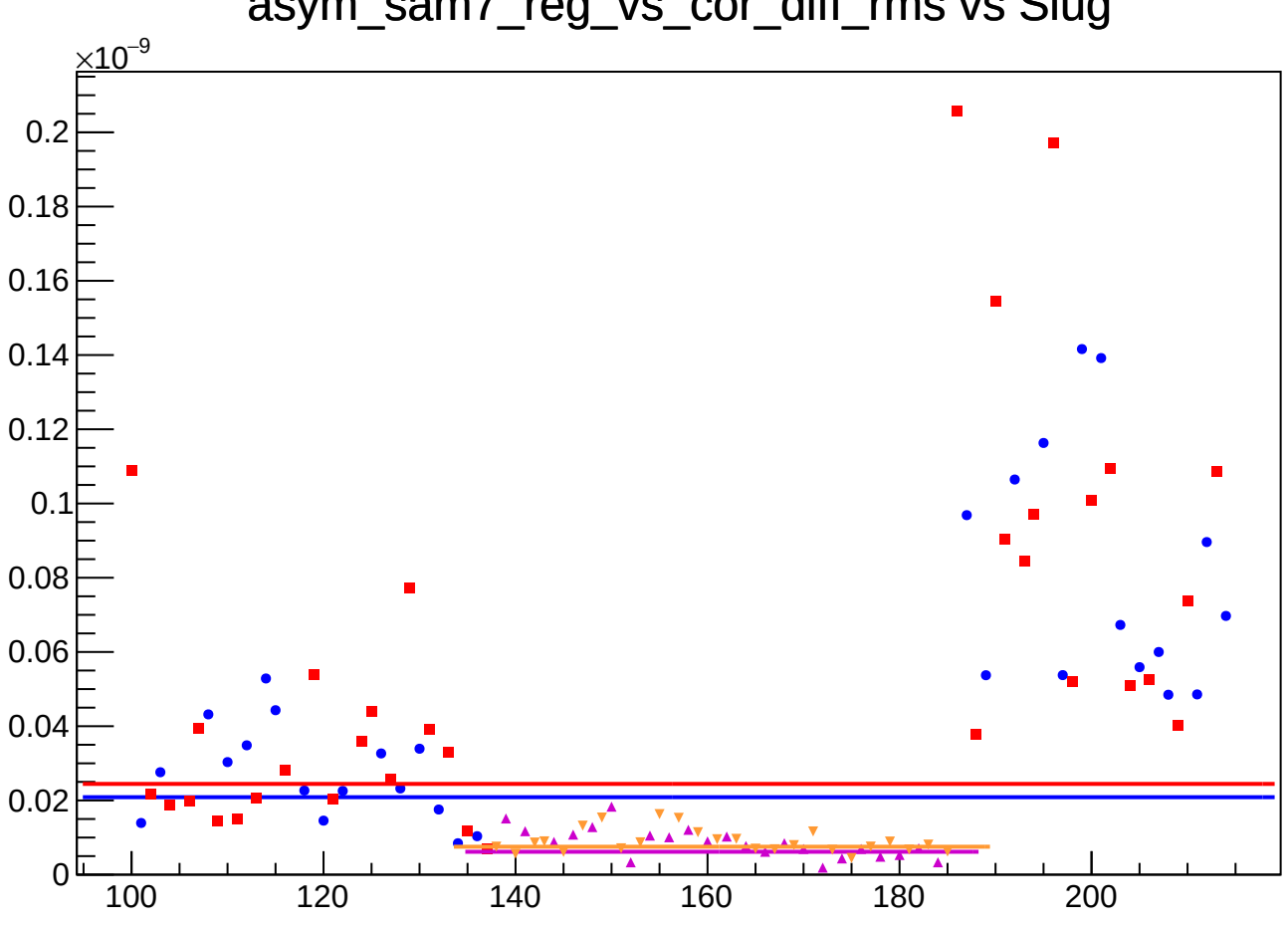
Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/33

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.8/54

All: -0.000+/-0.000 χ^2/NDF: 117.3/111

- sign -0.000+/-0.000 χ^2/NDF: 50.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6567618.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5979761.3/33

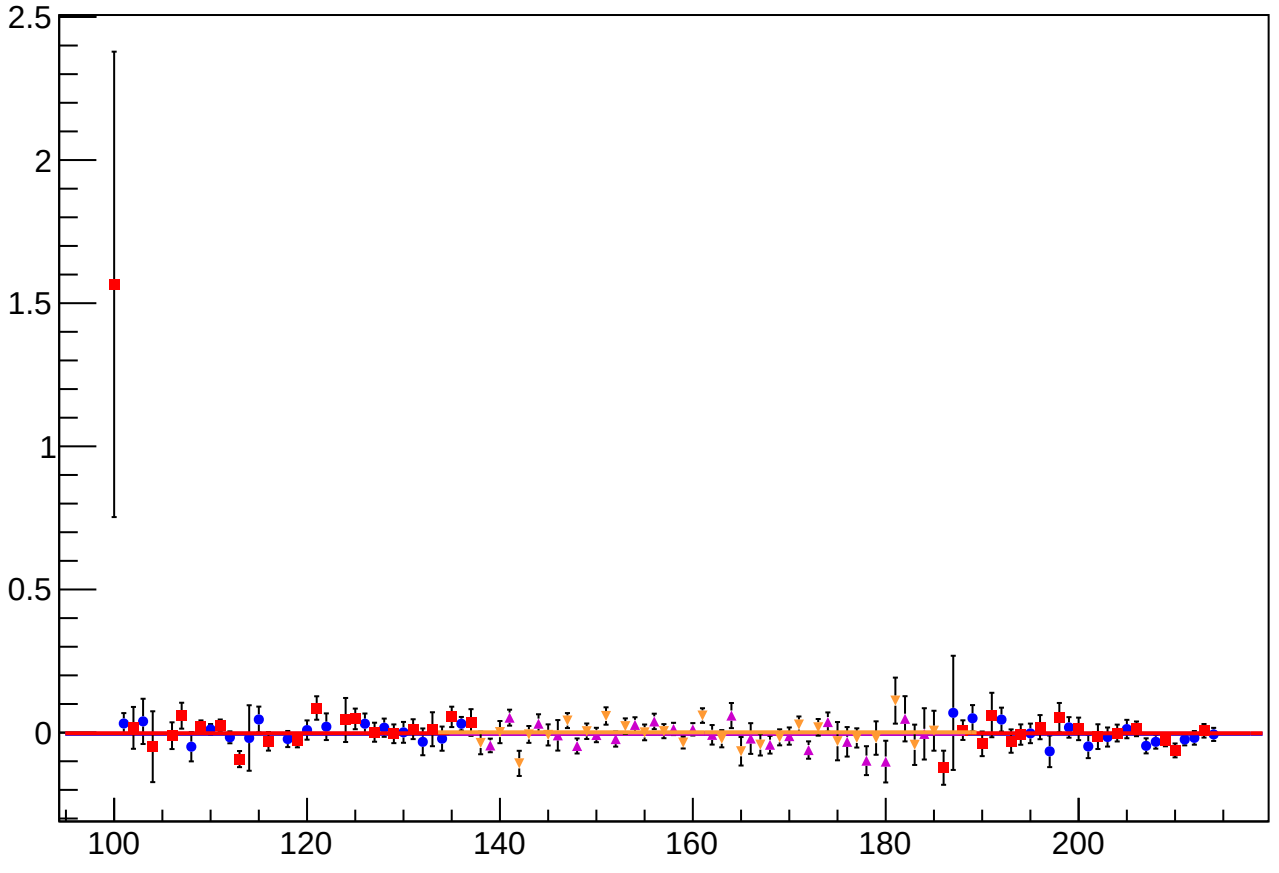
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10801206.1/54

All: 0.000+/-0.000 χ^2/NDF: 24227635.0/111

- sign 0.000+/-0.000 χ^2/NDF: 13196986.6/56

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/29

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.002+/-0.006 χ^2/NDF: 47.1/33

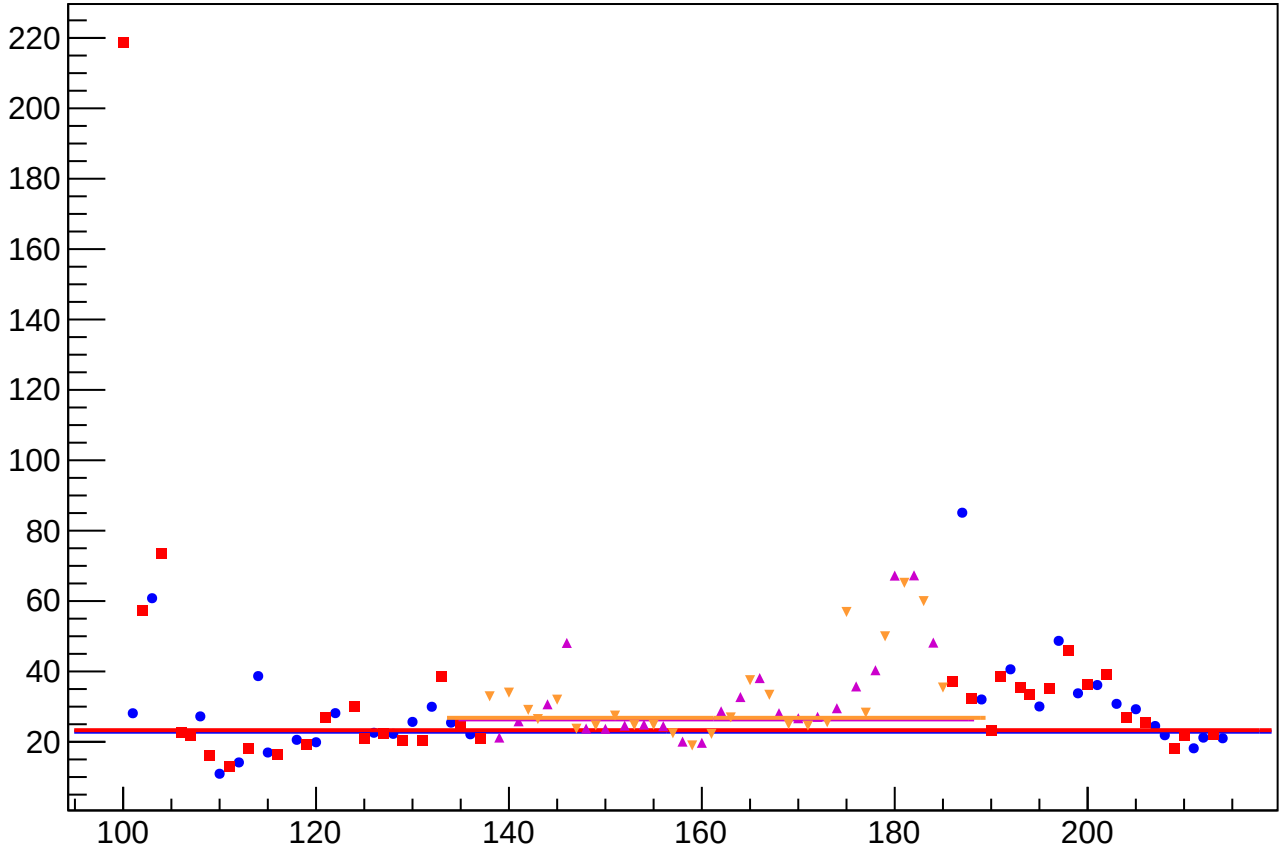
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 51.3/54

All: -0.002+/-0.003 χ^2/NDF: 129.7/111

- sign -0.003+/-0.004 χ^2/NDF: 78.3/56

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.880+/-0.004 χ^2/NDF: 3773660.3/29

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958804.9/33

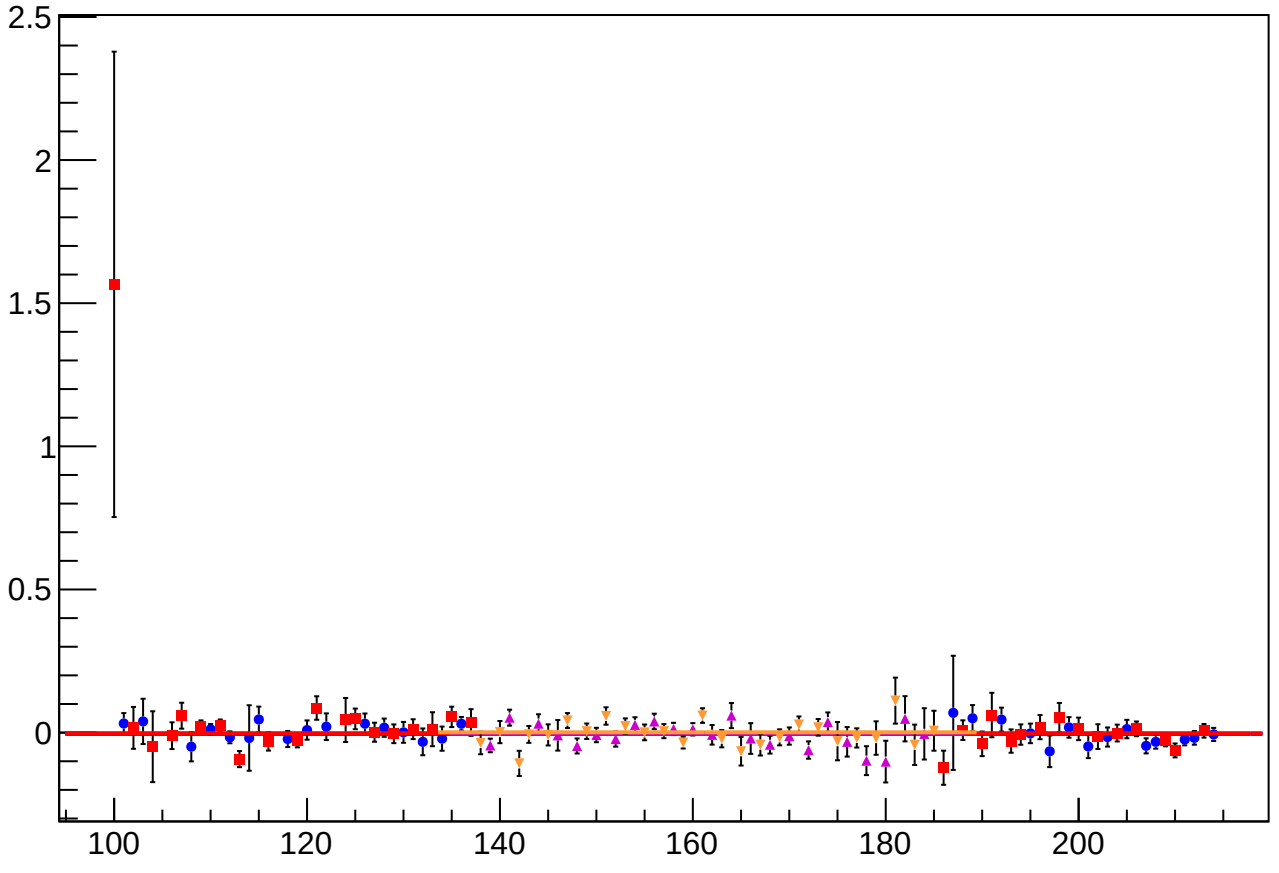
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.629+/-0.003 χ^2/NDF: 6652888.7/54

All: 24.642+/-0.002 χ^2/NDF: 13420329.1/111

- sign 24.655+/-0.003 χ^2/NDF: 6767404.0/56

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/29

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.002+/-0.006 χ^2/NDF: 47.1/33

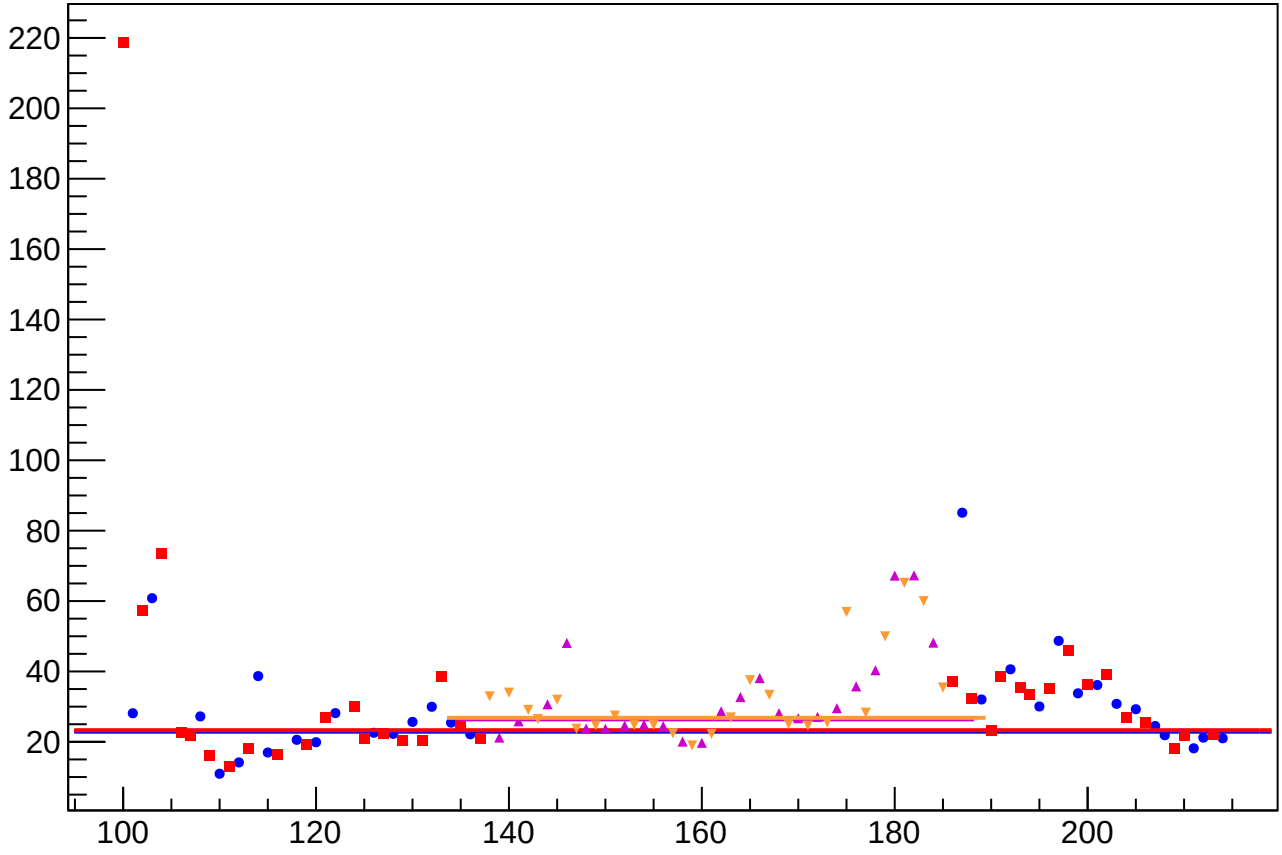
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 51.3/54

All: -0.002+/-0.003 χ^2/NDF: 129.7/111

- sign -0.003+/-0.004 χ^2/NDF: 78.3/56

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.880+/-0.004 χ^2/NDF: 3773660.3/29

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

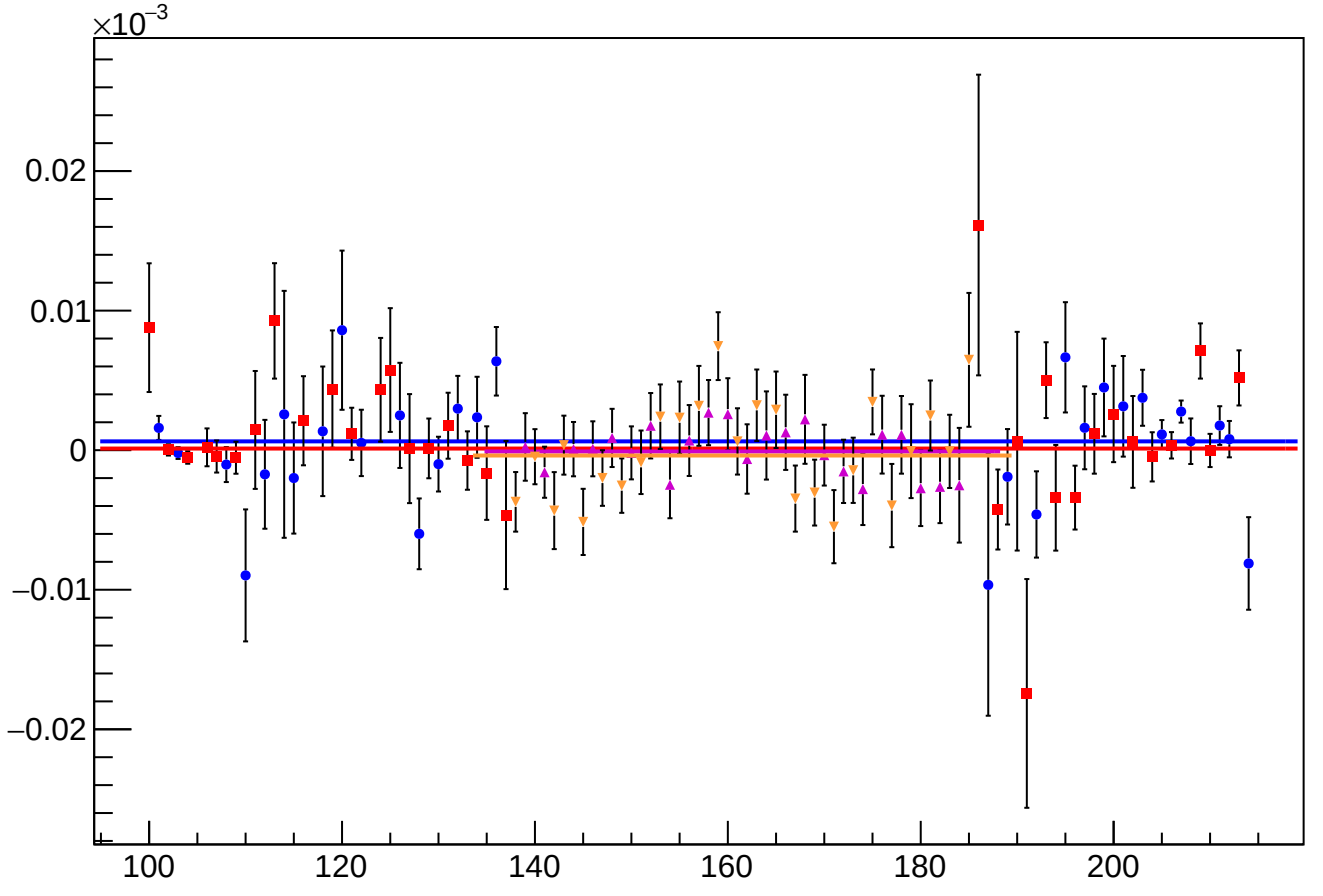
Right Out: 23.308+/-0.004 χ^2/NDF: 3958804.9/33

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.629+/-0.003 χ^2/NDF: 6652888.7/54

All: 24.642+/-0.002 χ^2/NDF: 13420329.1/111

- sign 24.655+/-0.003 χ^2/NDF: 6767404.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 54.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.1/33

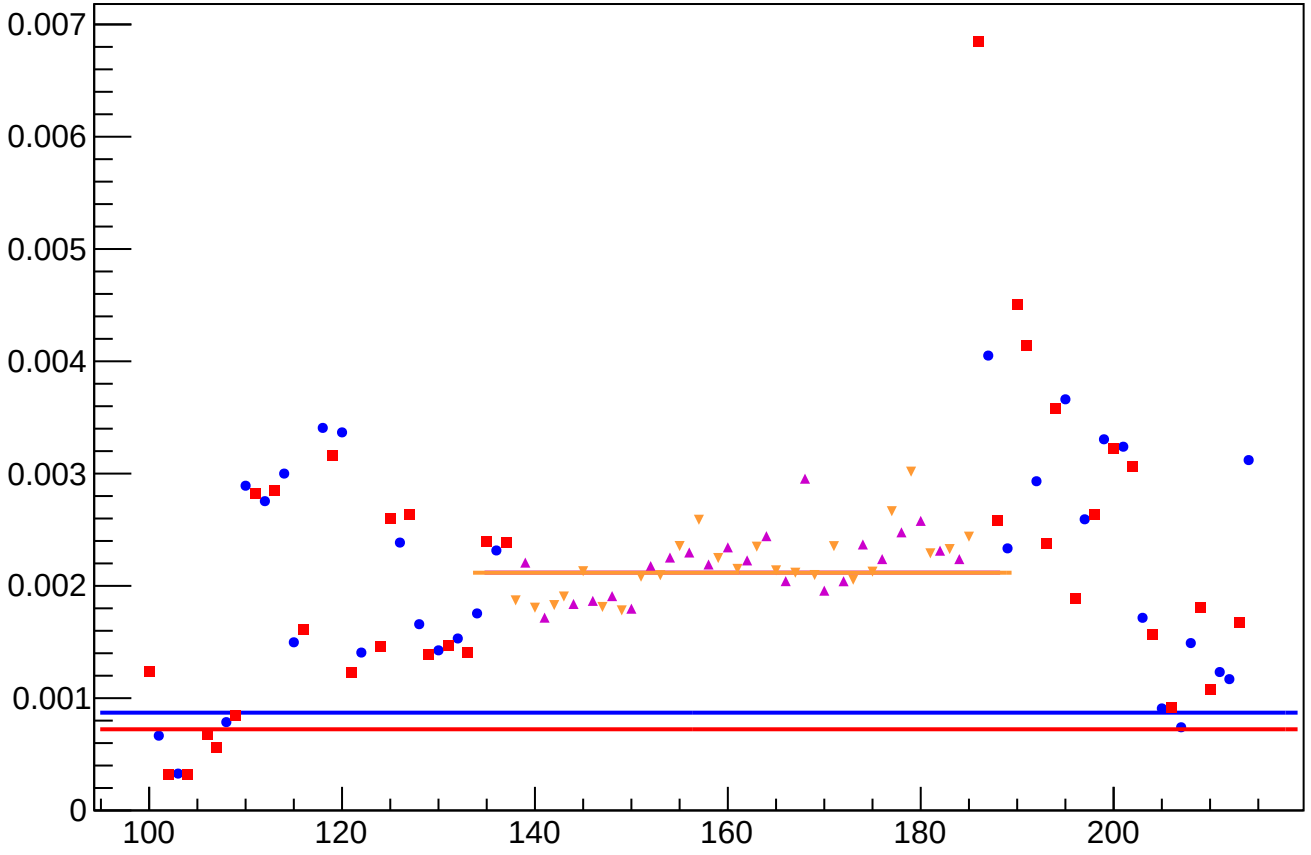
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 101.3/54

All: 0.000+/-0.000 χ^2/NDF: 165.6/111

- sign 0.000+/-0.000 χ^2/NDF: 63.4/56

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 14066365.1/29

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 17311516.3/33

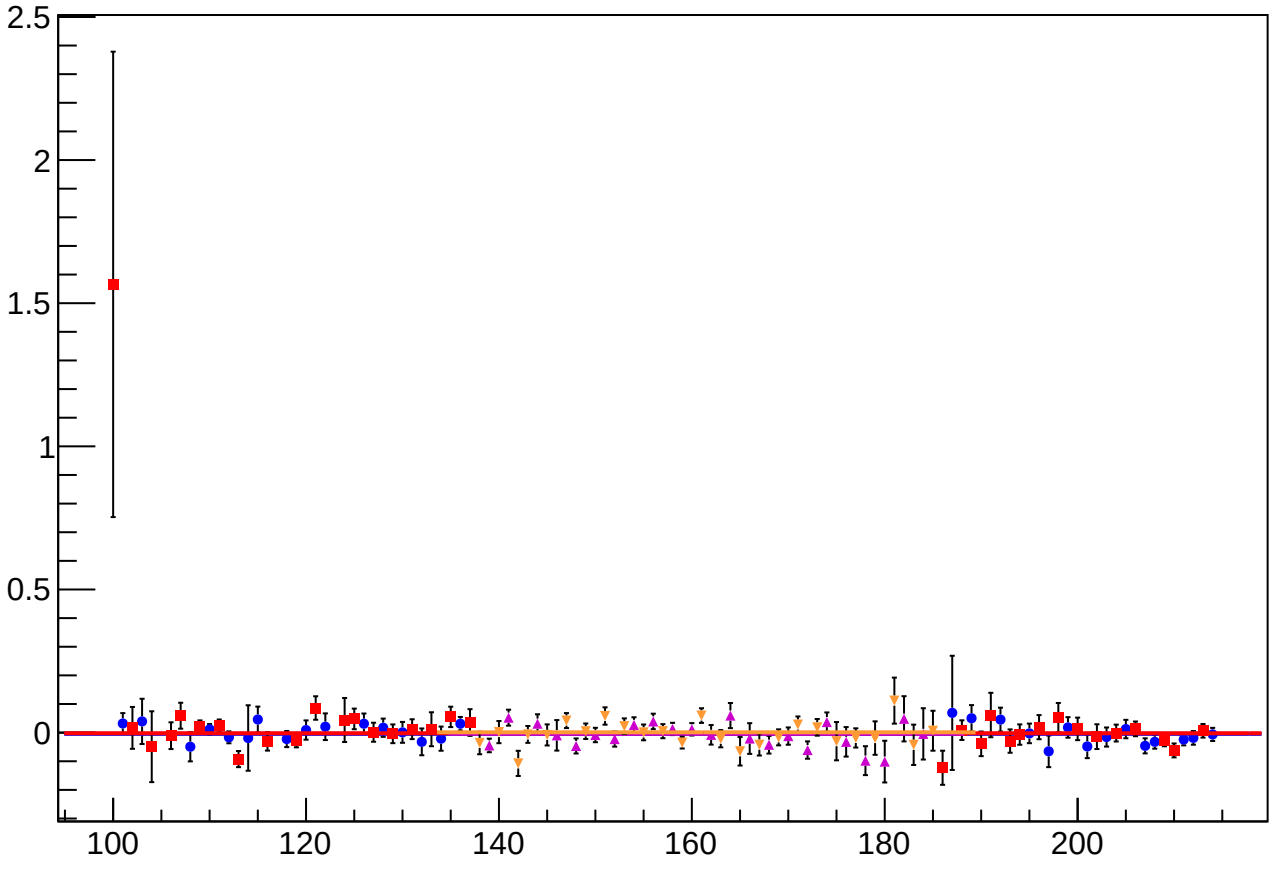
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

\+ sign 0.001+/-0.000 χ^2/NDF: 24714425.5/54

All: 0.001+/-0.000 χ^2/NDF: 56091919.8/111

\- sign 0.001+/-0.000 χ^2/NDF: 30669830.6/56

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/29

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.002+/-0.006 χ^2/NDF: 47.1/33

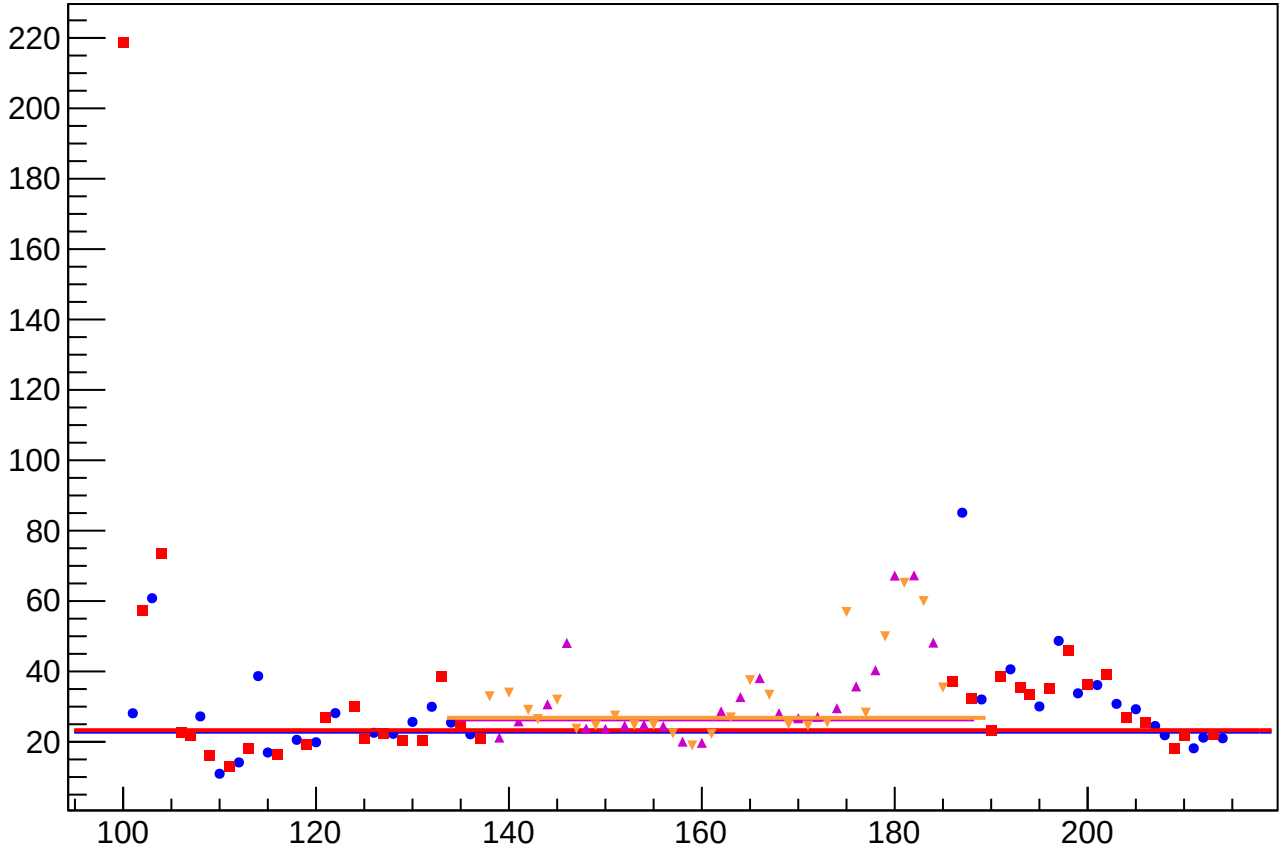
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 51.3/54

All: -0.002+/-0.003 χ^2/NDF: 129.7/111

- sign -0.003+/-0.004 χ^2/NDF: 78.3/56

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.880+/-0.004 χ^2/NDF: 3773390.6/29

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.308+/-0.004 χ^2/NDF: 3958593.3/33

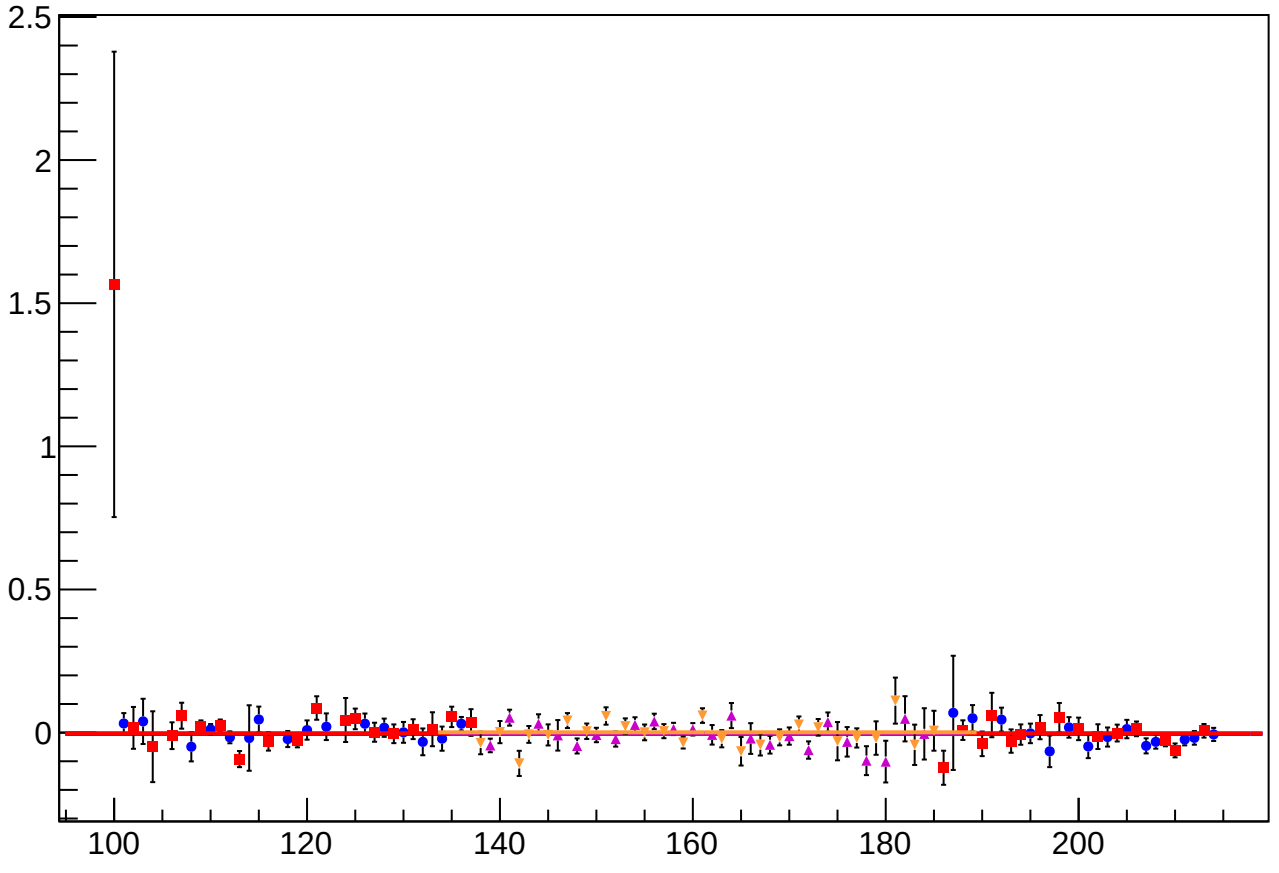
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.629+/-0.003 χ^2/NDF: 6652578.2/54

All: 24.642+/-0.002 χ^2/NDF: 13419865.3/111

- sign 24.655+/-0.003 χ^2/NDF: 6767251.3/56

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 20.7/29

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.002+/-0.006 χ^2/NDF: 47.1/33

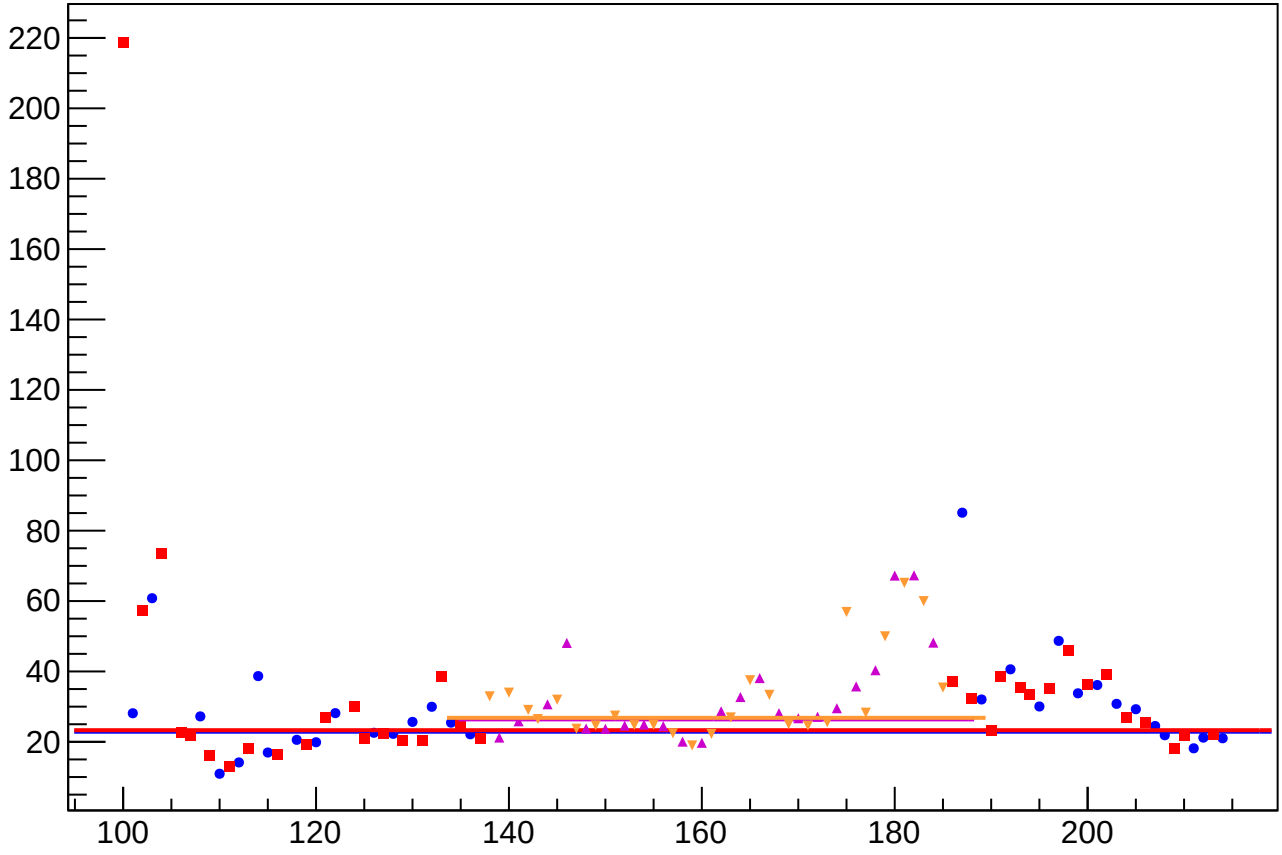
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.002+/-0.004 χ^2/NDF: 51.3/54

All: -0.002+/-0.003 χ^2/NDF: 129.7/111

- sign -0.003+/-0.004 χ^2/NDF: 78.3/56

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.880+/-0.004 χ^2/NDF: 3773390.6/29

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

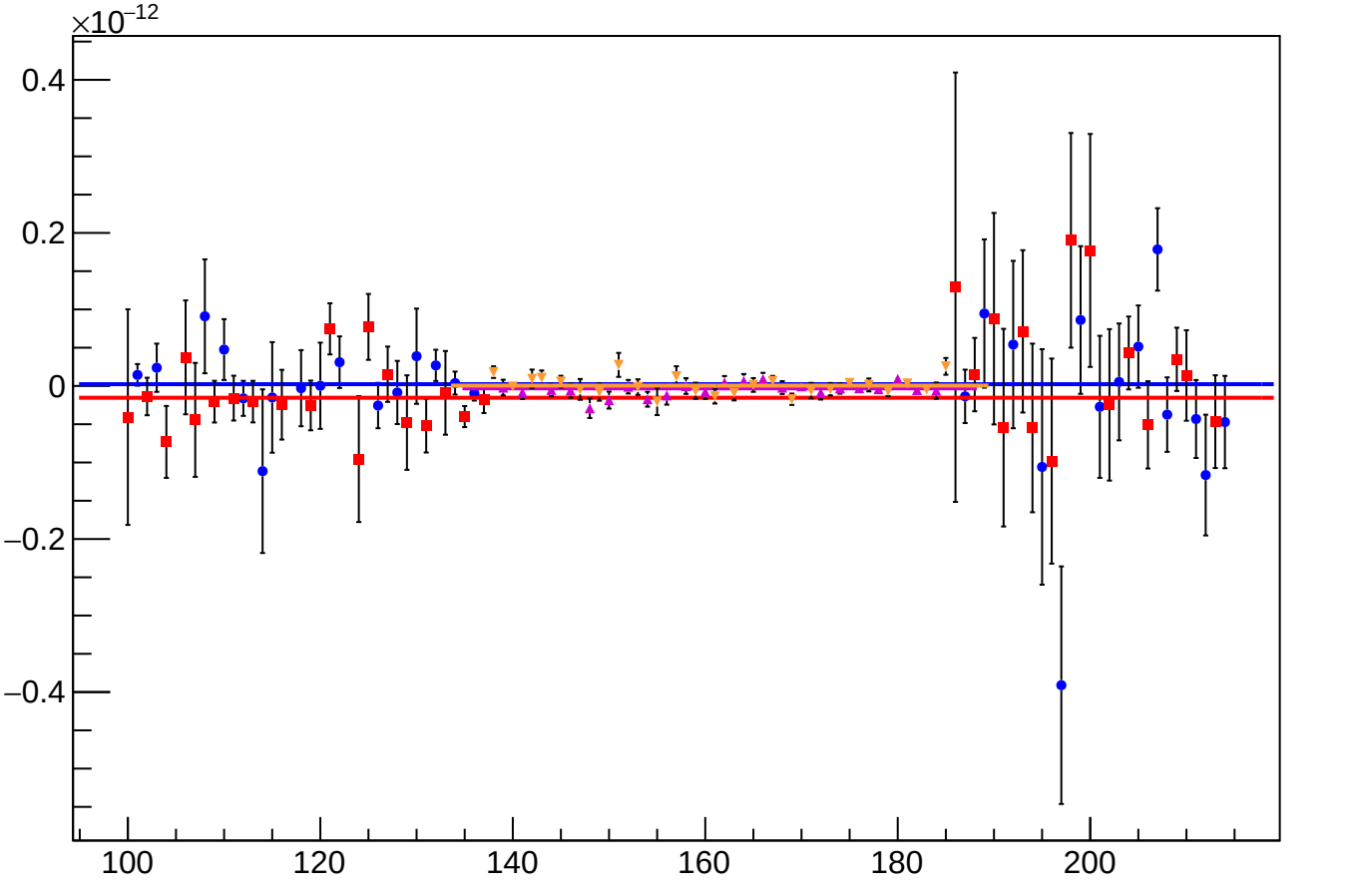
Right Out: 23.308+/-0.004 χ^2/NDF: 3958593.3/33

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.629+/-0.003 χ^2/NDF: 6652578.2/54

All: 24.642+/-0.002 χ^2/NDF: 13419865.3/111

- sign 24.655+/-0.003 χ^2/NDF: 6767251.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 35.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/33

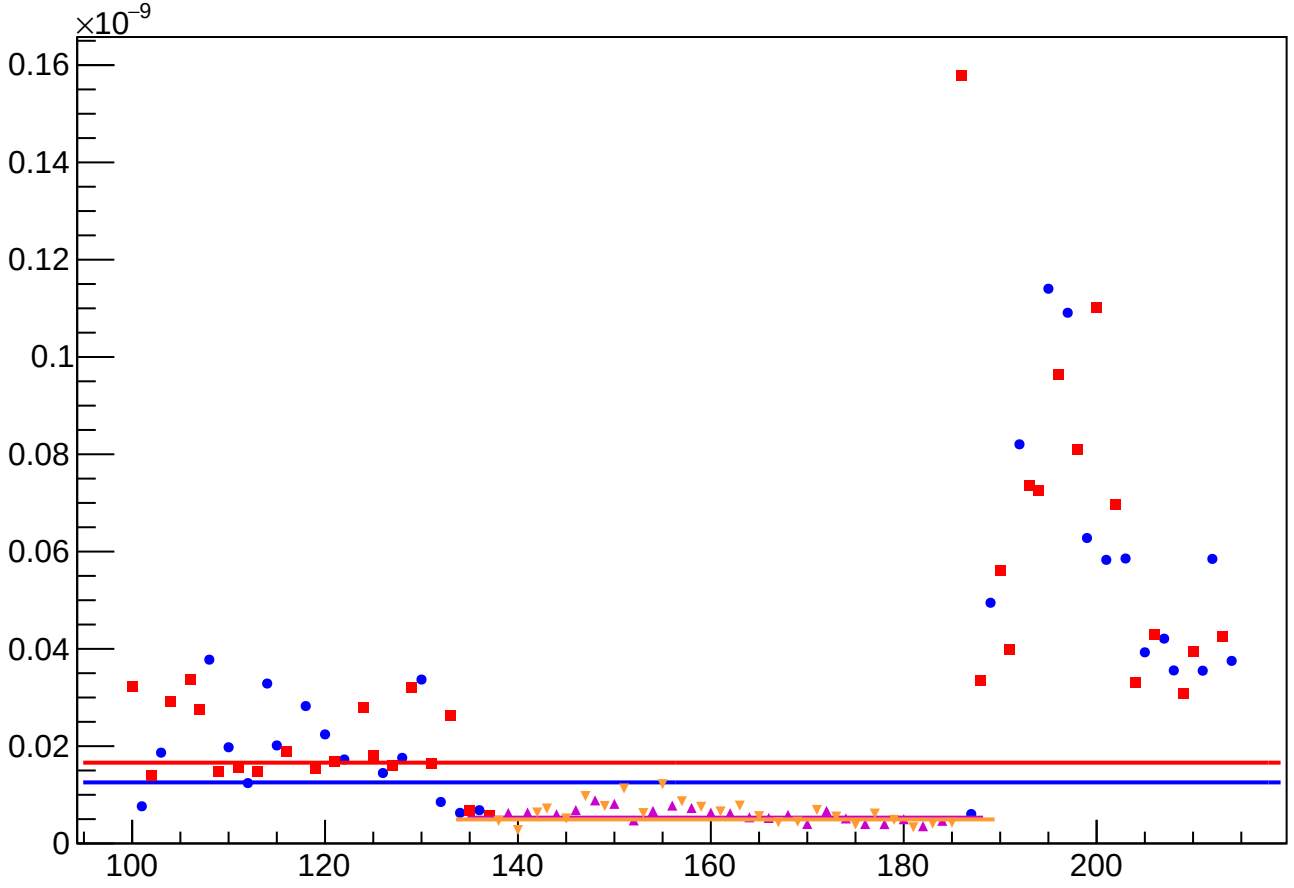
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.6/54

All: -0.000+/-0.000 χ^2/NDF: 125.8/111

- sign -0.000+/-0.000 χ^2/NDF: 53.0/56

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9971642.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8490505.9/33

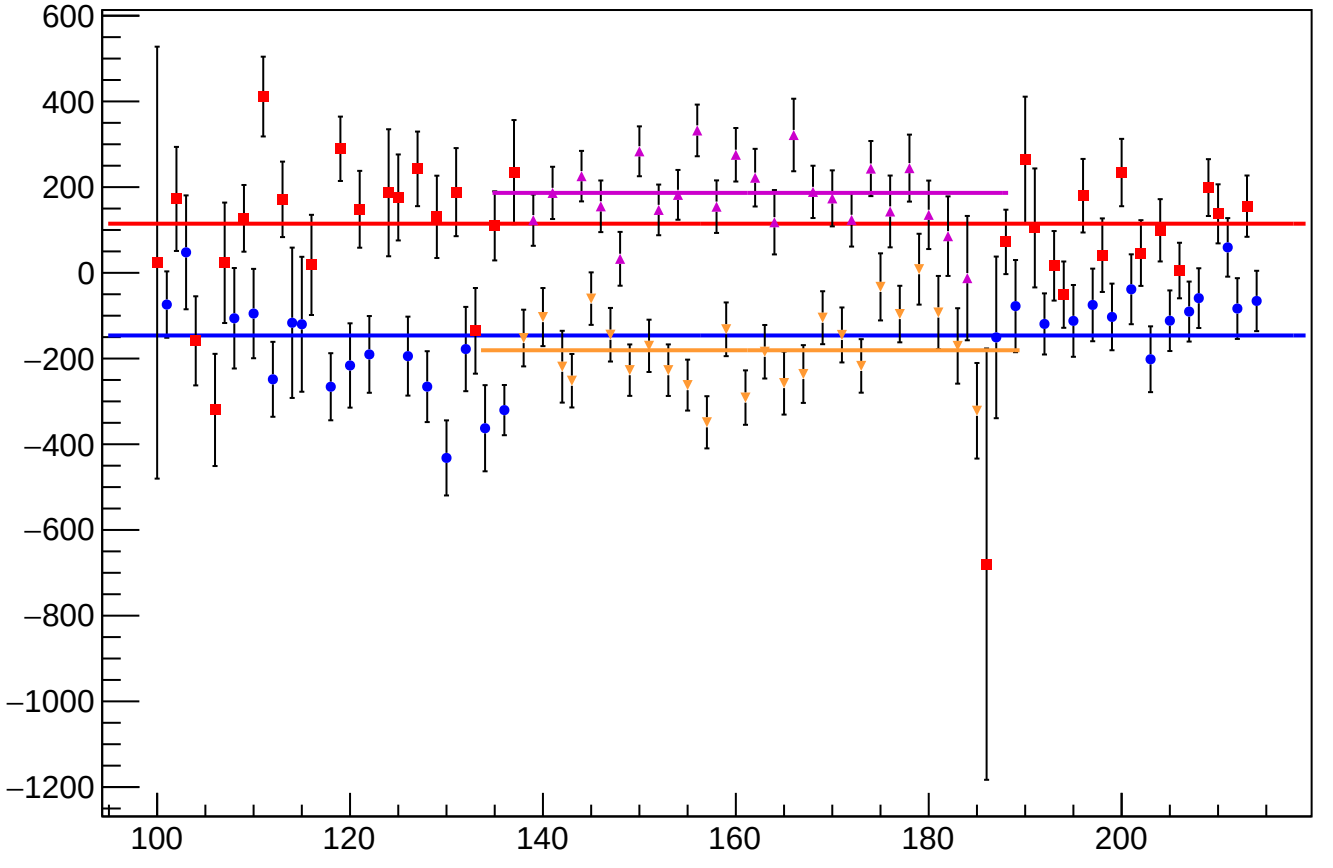
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 16358944.5/54

All: 0.000+/-0.000 χ^2/NDF: 31694826.2/111

- sign 0.000+/-0.000 χ^2/NDF: 15251544.2/56

reg_asym_sam8_mean vs Slug



Right In: -146.168+/-15.478 χ^2/NDF: 52.0/29

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.684+/-15.578 χ^2/NDF: 65.2/33

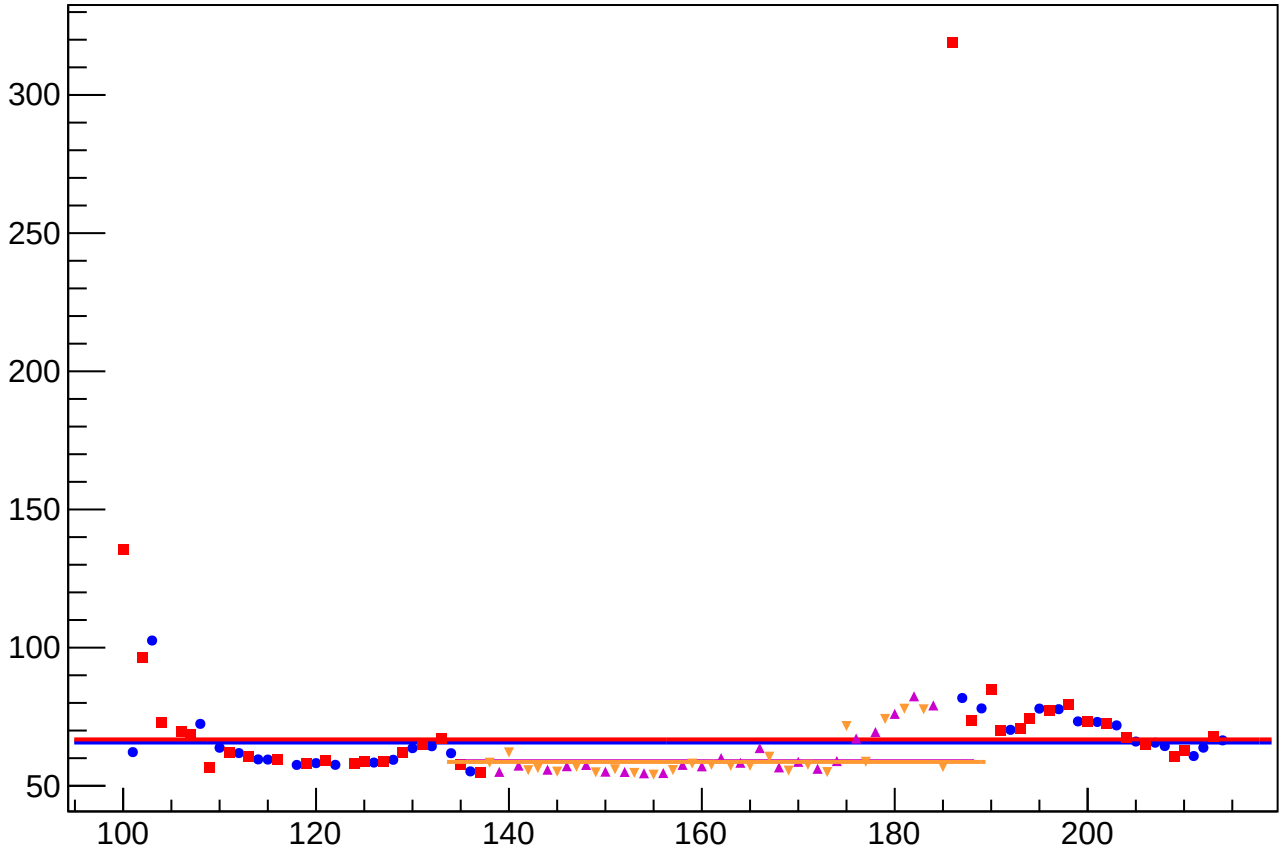
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -165.874+/-10.139 χ^2/NDF: 93.5/54

All: -8.910+/-7.244 χ^2/NDF: 689.2/111

- sign 154.806+/-10.355 χ^2/NDF: 106.1/56

reg_asym_sam8_rms vs Slug



Right In: 65.666+/-0.011 χ^2/NDF: 510410.3/29

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.787+/-0.011 χ^2/NDF: 1046986.9/33

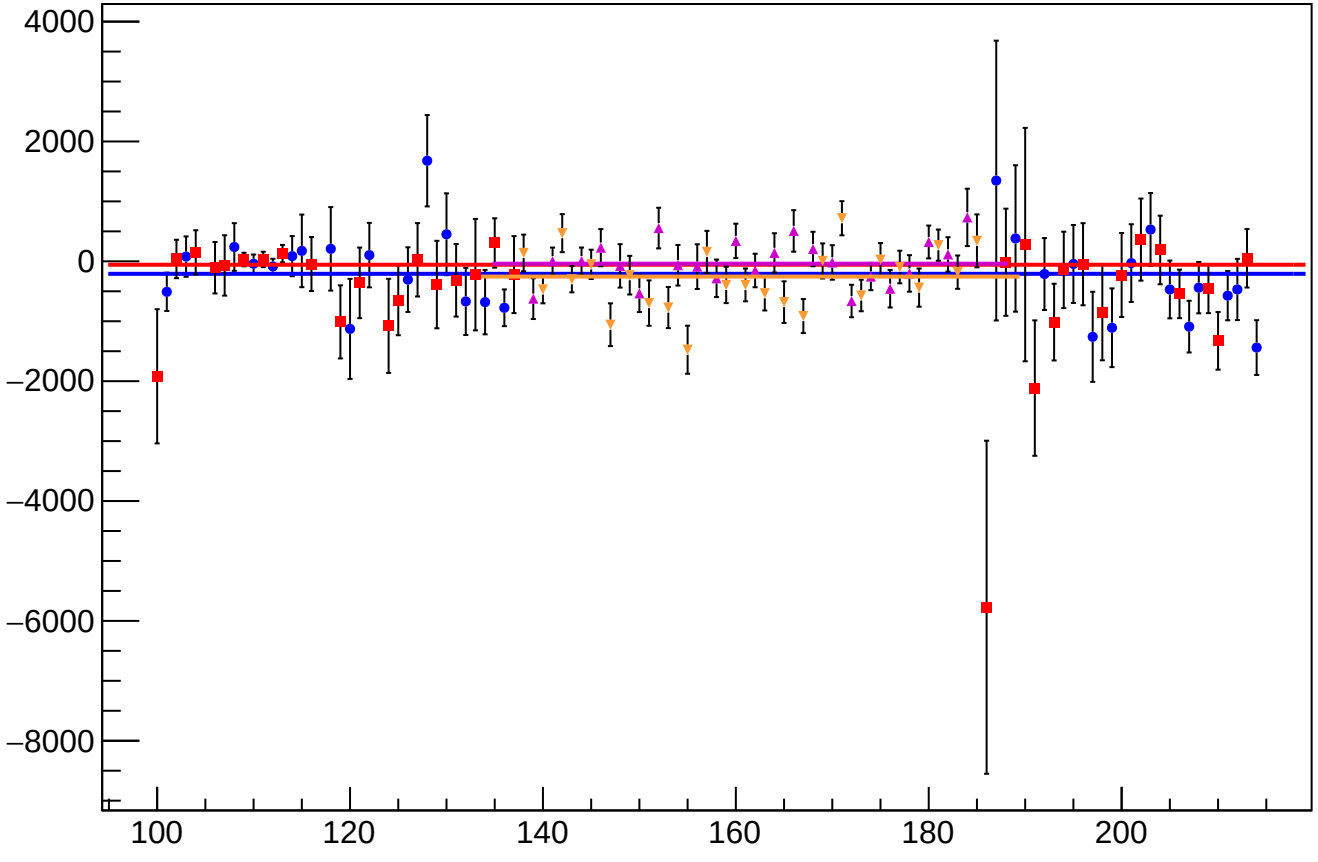
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.657+/-0.007 χ^2/NDF: 1139316.0/54

All: 62.015+/-0.005 χ^2/NDF: 2863938.7/111

- sign 62.388+/-0.007 χ^2/NDF: 1719530.3/56

asym_sam8_reg_correction_mean vs Slug



Right In: -208.596+/-67.883 χ^2/NDF: 39.3/29

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -57.008+/-59.376 χ^2/NDF: 33.5/33

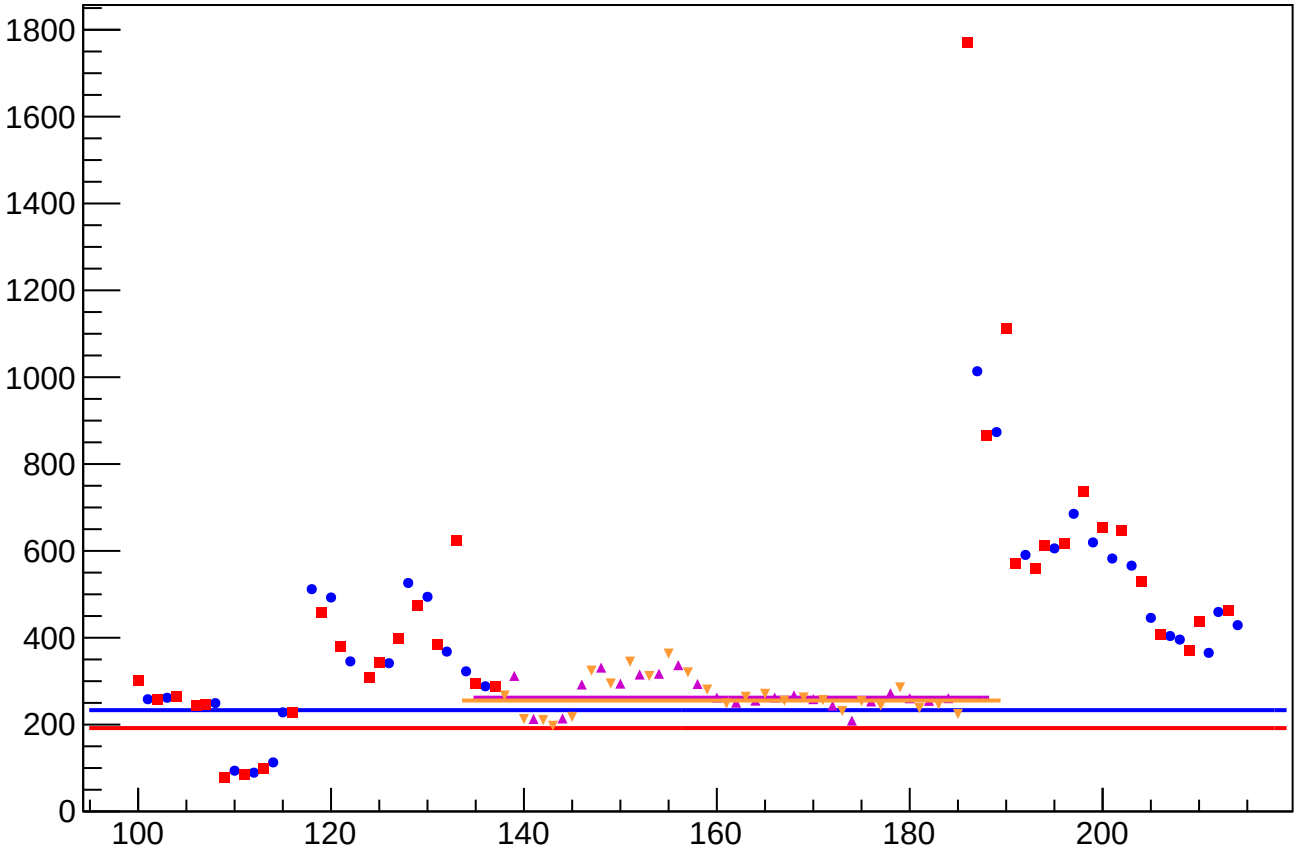
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -234.866+/-44.478 χ^2/NDF: 97.2/54

All: -138.170+/-30.857 χ^2/NDF: 168.1/111

- sign -48.446+/-42.844 χ^2/NDF: 61.8/56

asym_sam8_reg_correction_rms vs Slug



Right In: 233.245+/-0.048 χ^2/NDF: 12683726.1/29

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 191.958+/-0.042 χ^2/NDF: 16709006.9/33

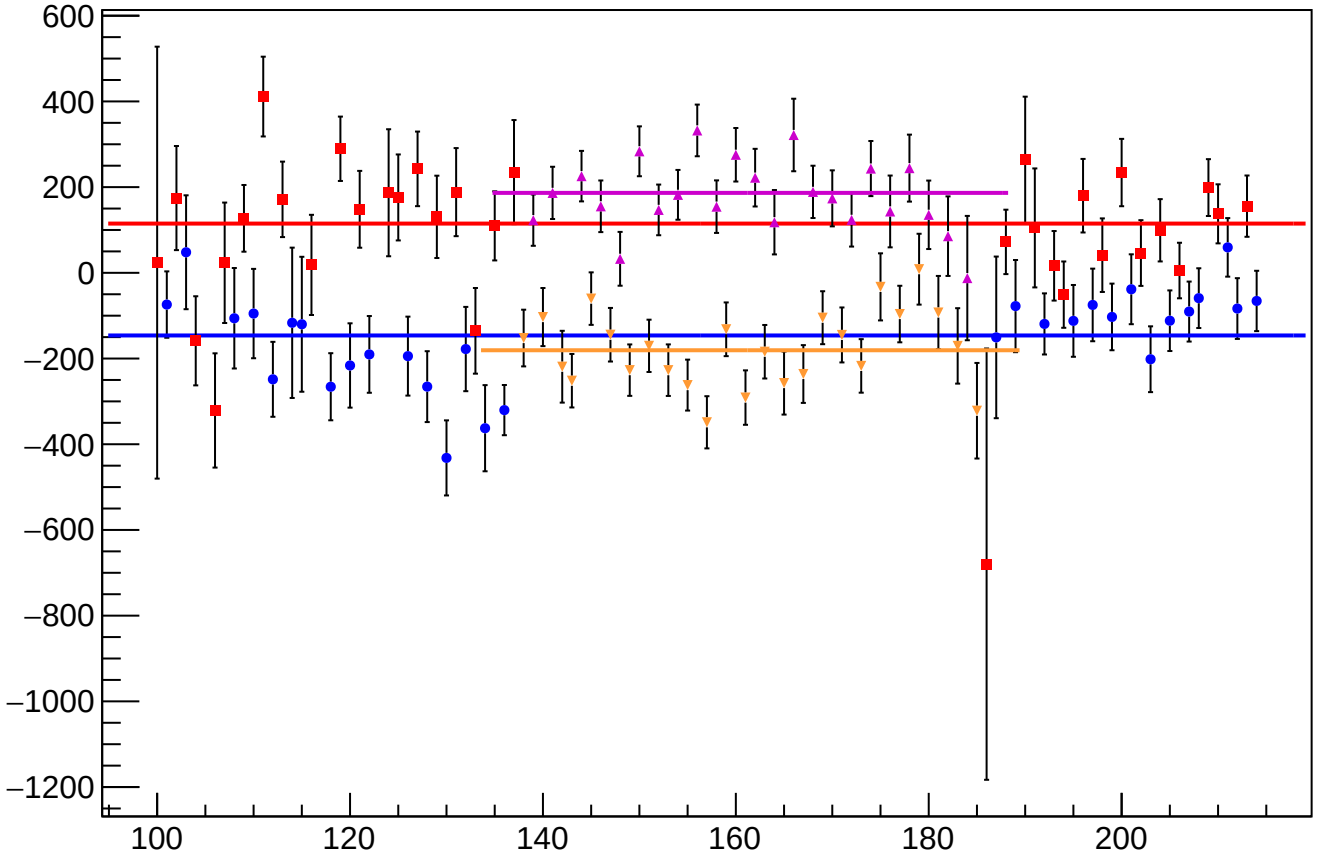
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 245.928+/-0.031 χ^2/NDF: 13669938.9/54

All: 235.350+/-0.022 χ^2/NDF: 32601901.3/11

- sign 225.535+/-0.030 χ^2/NDF: 18713879.0/56

cor_asym_sam8_mean vs Slug



Right In: -146.169+/-15.478 χ^2/NDF: 52.0/29

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.922+/-15.582 χ^2/NDF: 64.9/33

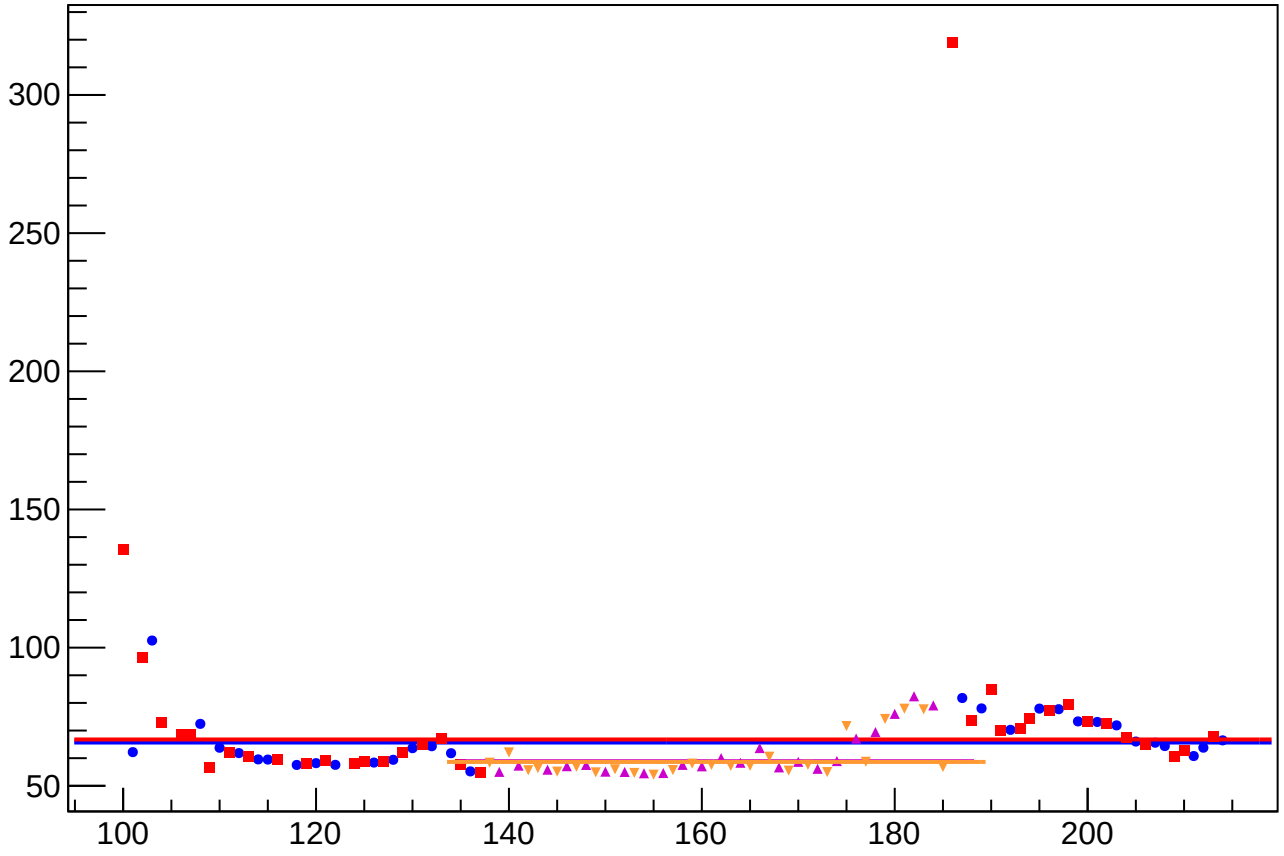
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -165.871+/-10.139 χ^2/NDF: 93.5/54

All: -8.871+/-7.245 χ^2/NDF: 689.1/111

- sign 154.921+/-10.356 χ^2/NDF: 105.7/56

cor_asym_sam8_rms vs Slug



Right In: 65.666+/-0.011 χ^2/NDF: 510412.7/29

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.770+/-0.011 χ^2/NDF: 1046551.4/33

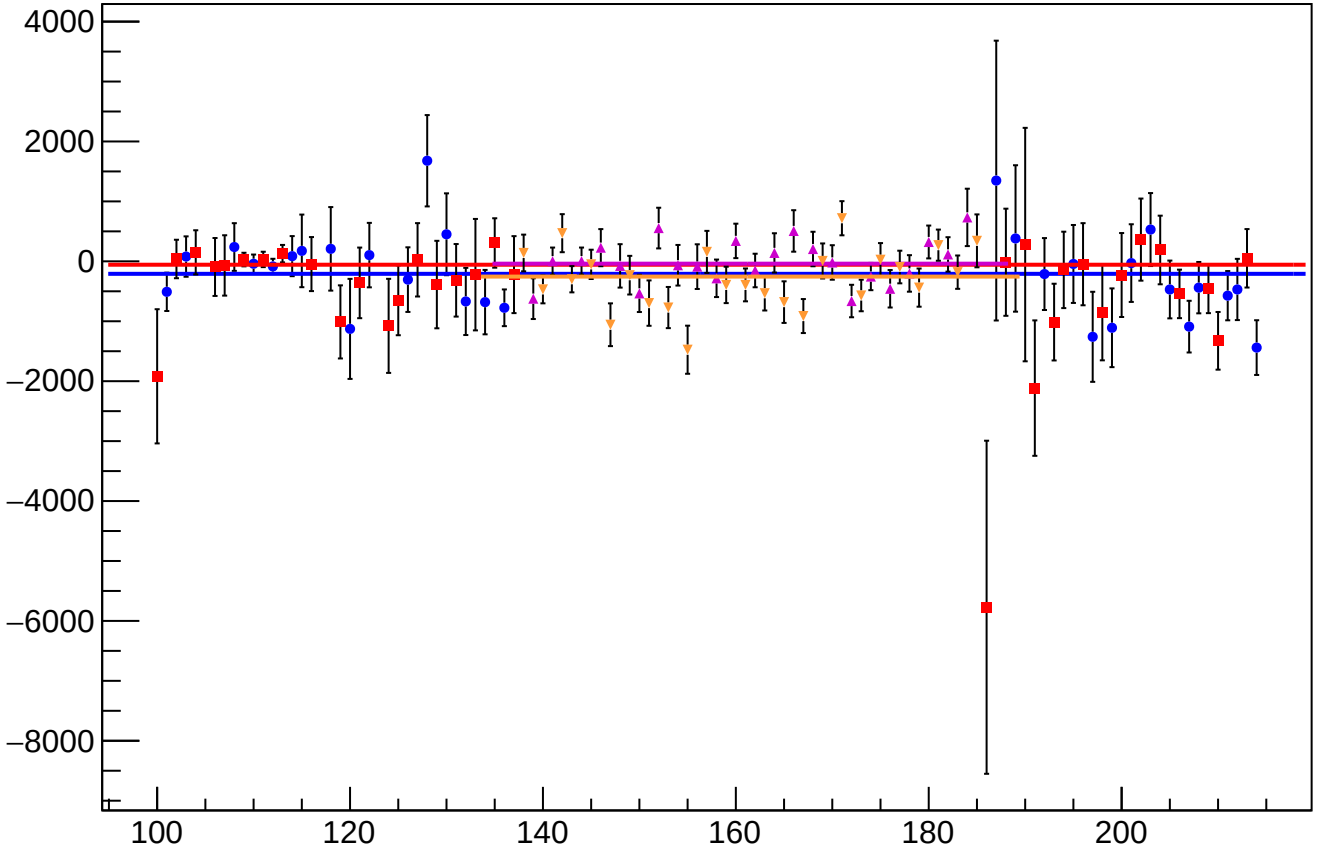
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.657+/-0.007 χ^2/NDF: 1139318.6/54

All: 62.011+/-0.005 χ^2/NDF: 2862059.5/111

- sign 62.380+/-0.007 χ^2/NDF: 1717768.3/56

asym_sam8_cor_correction_mean vs Slug



Right In: -208.583+/-67.883 χ^2/NDF: 39.3/29

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -56.639+/-59.498 χ^2/NDF: 33.4/33

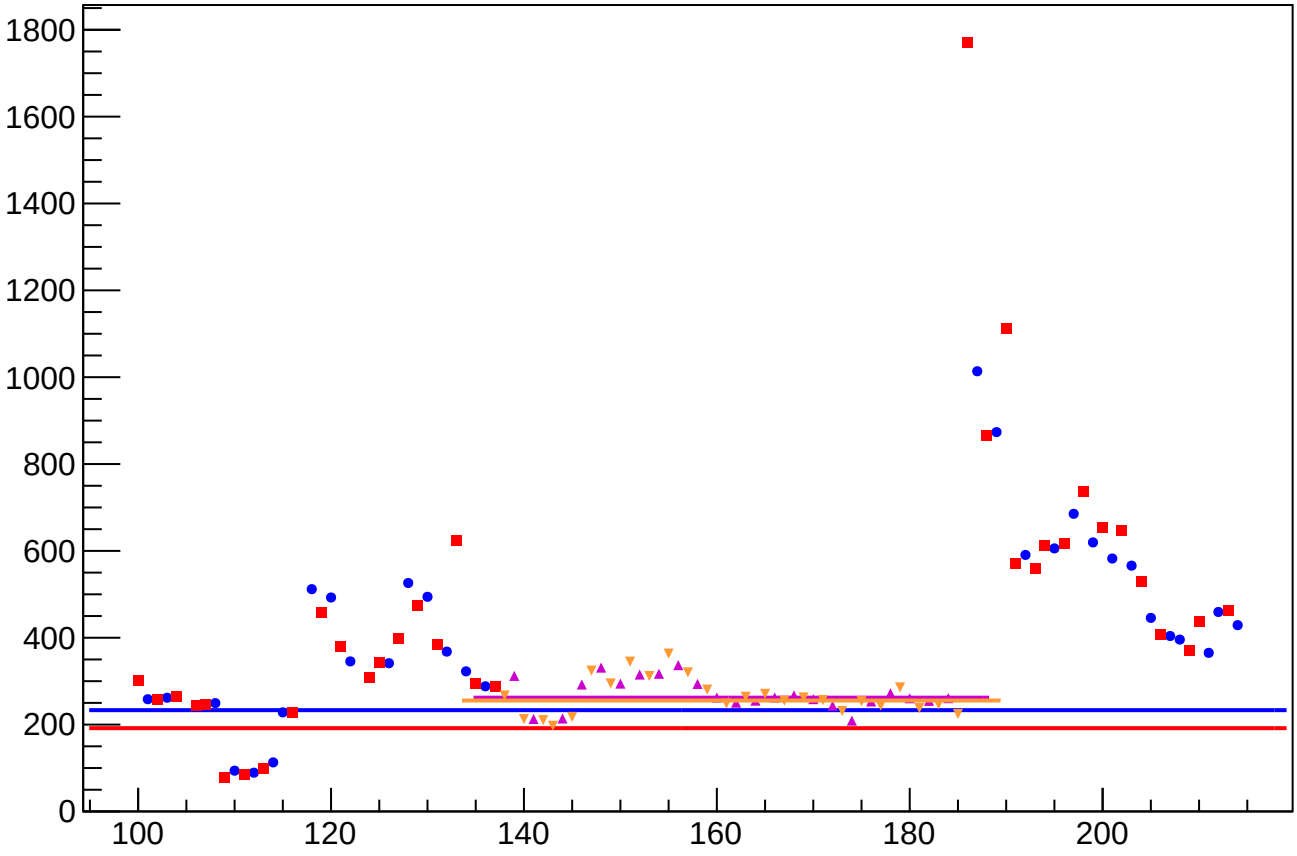
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -234.859+/-44.478 χ^2/NDF: 97.2/54

All: -138.156+/-30.874 χ^2/NDF: 168.1/111

- sign -48.235+/-42.890 χ^2/NDF: 61.8/56

asym_sam8_cor_correction_rms vs Slug



Right In: 233.245+/-0.048 χ^2/NDF: 12683751.9/29

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 191.752+/-0.042 χ^2/NDF: 16703523.6/33

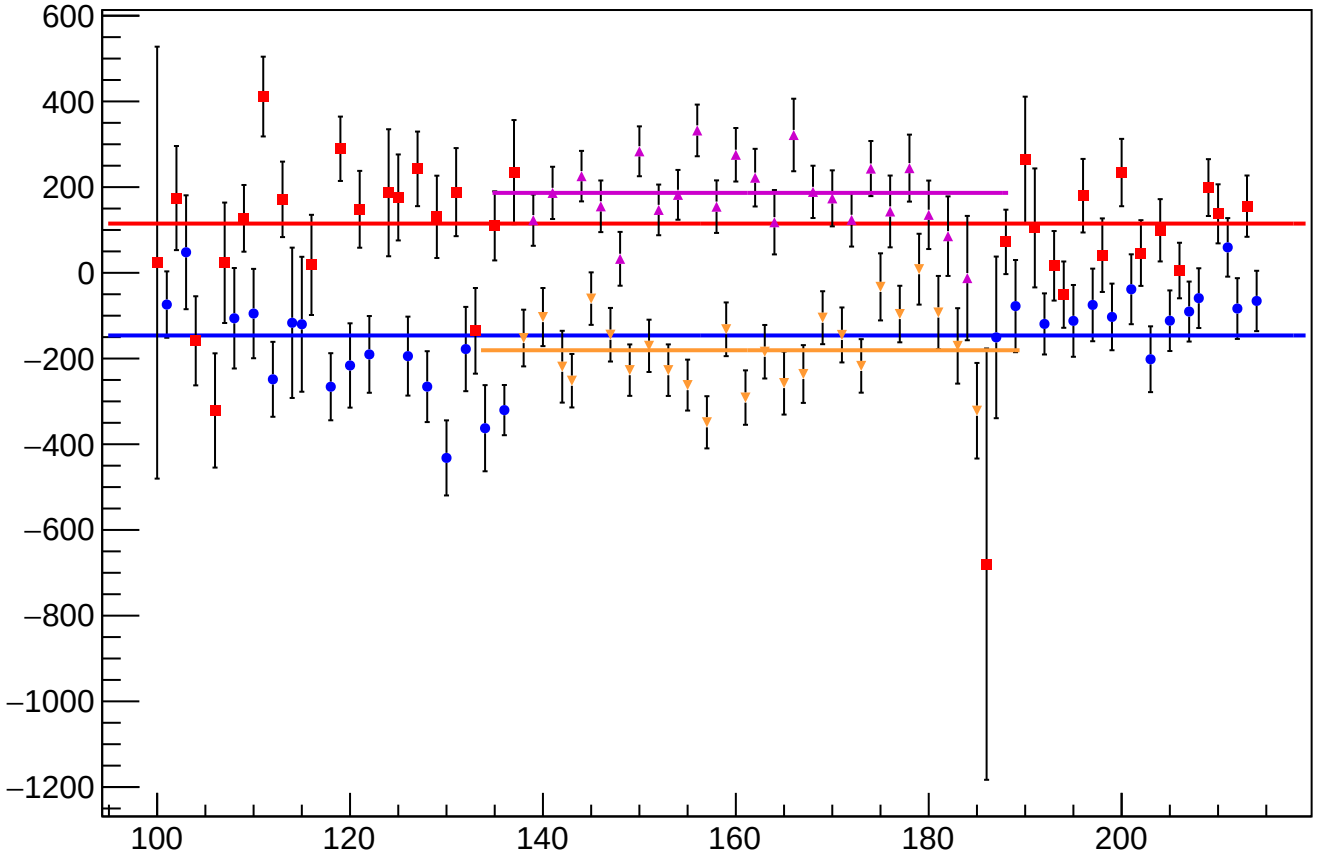
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 245.928+/-0.031 χ^2/NDF: 13669954.7/54

All: 235.343+/-0.022 χ^2/NDF: 32602203.5/11

- sign 225.500+/-0.030 χ^2/NDF: 18713624.6/56

eigen_cor_asym_sam8_mean vs Slug



Right In: -146.169+/-15.478 χ^2/NDF: 52.0/29

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 114.922+/-15.582 χ^2/NDF: 64.9/33

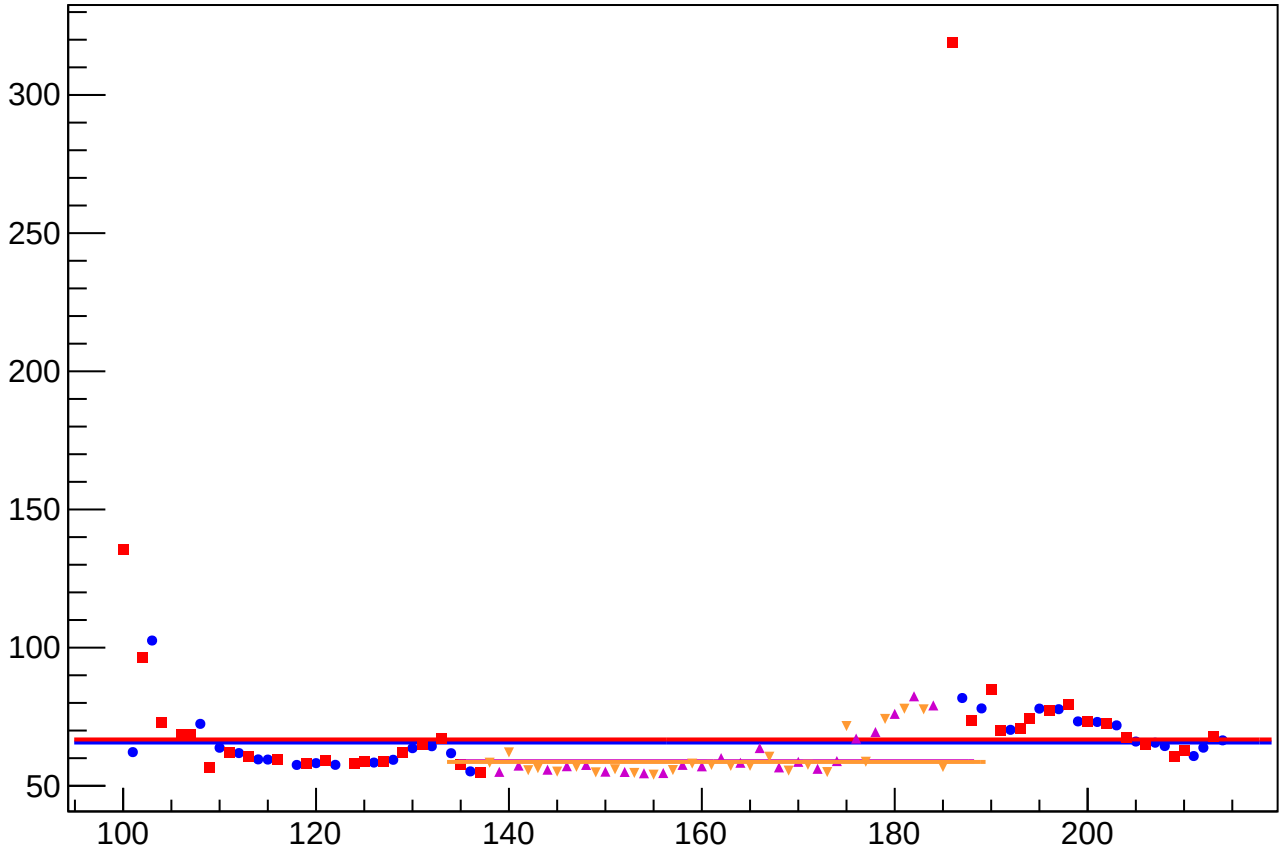
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

\+ sign -165.871+/-10.139 χ^2/NDF: 93.5/54

All: -8.871+/-7.245 χ^2/NDF: 689.1/111

\- sign 154.921+/-10.356 χ^2/NDF: 105.7/56

eigen_cor_asym_sam8_rms vs Slug



Right In: 65.666+/-0.011 χ^2/NDF: 510412.7/29

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.770+/-0.011 χ^2/NDF: 1046551.4/33

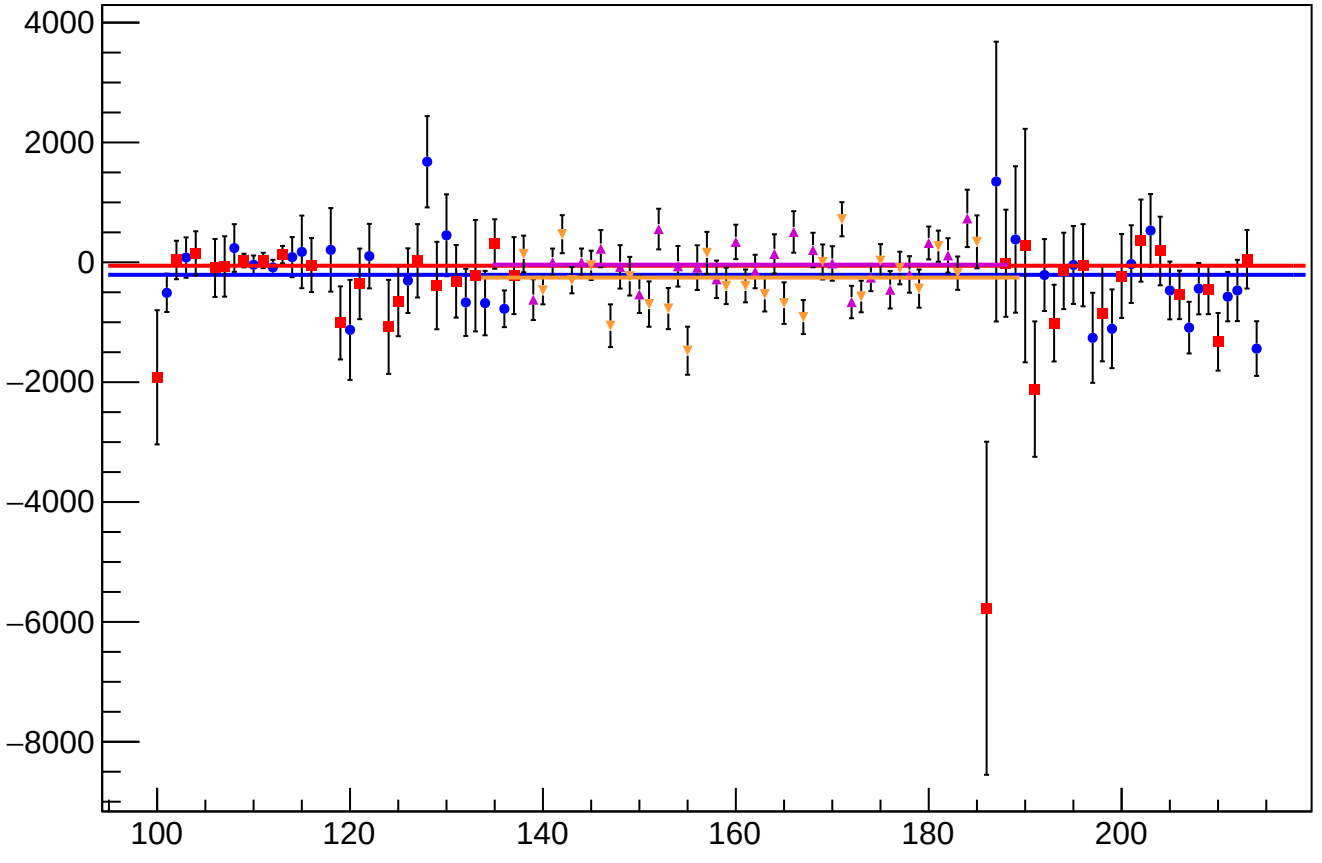
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.657+/-0.007 χ^2/NDF: 1139318.6/54

All: 62.011+/-0.005 χ^2/NDF: 2862059.5/111

- sign 62.380+/-0.007 χ^2/NDF: 1717768.3/56

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -208.583+/-67.883 χ^2/NDF: 39.3/29

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -56.639+/-59.498 χ^2/NDF: 33.4/33

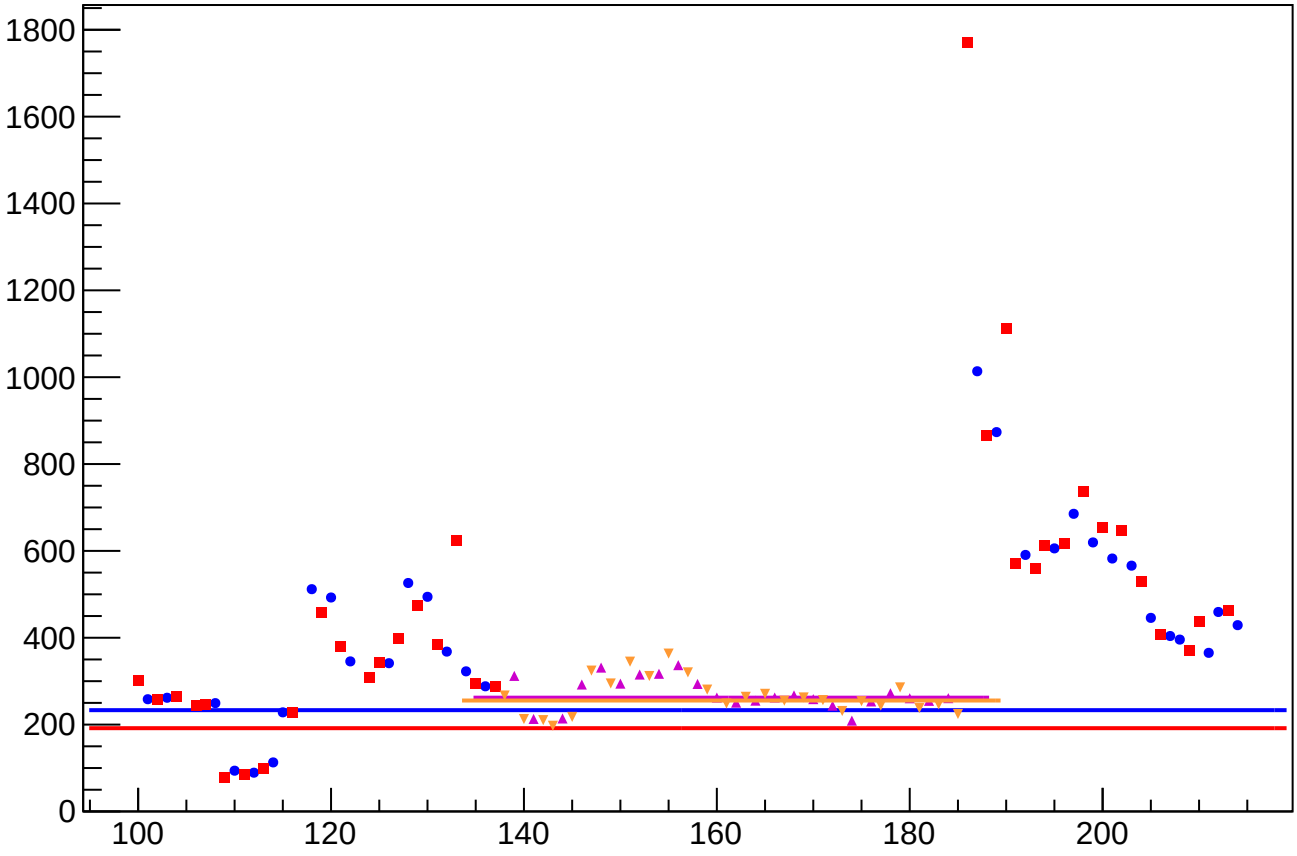
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -234.859+/-44.478 χ^2/NDF: 97.2/54

All: -138.156+/-30.874 χ^2/NDF: 168.1/111

- sign -48.235+/-42.890 χ^2/NDF: 61.8/56

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 233.245+/-0.048 χ^2/NDF: 12683751.9/29

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 191.752+/-0.042 χ^2/NDF: 16703523.6/33

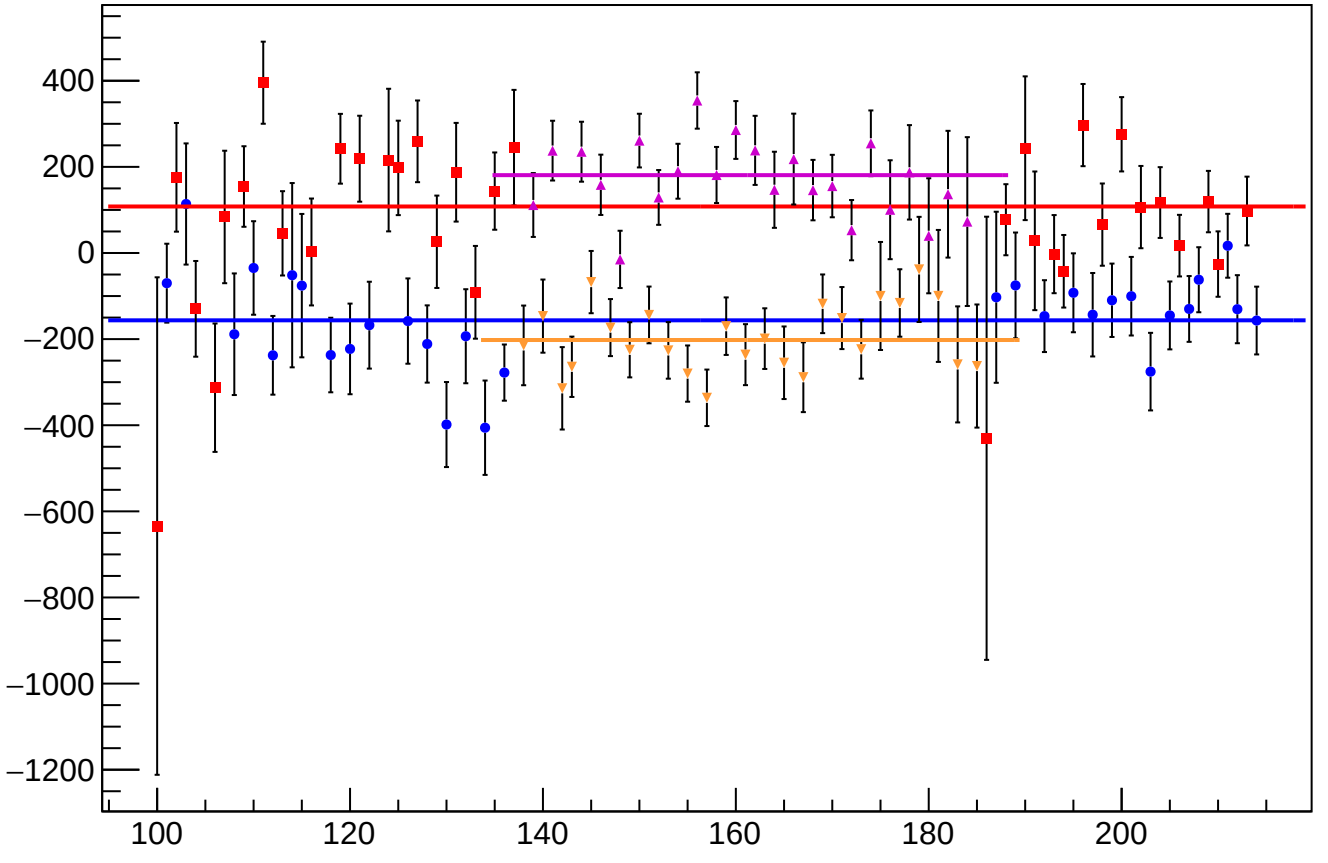
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 245.928+/-0.031 χ^2/NDF: 13669954.7/54

All: 235.343+/-0.022 χ^2/NDF: 32602203.5/11

- sign 225.500+/-0.030 χ^2/NDF: 18713624.6/56

dit_asym_sam8_mean vs Slug



Right In: -156.371+/-17.181 χ^2/NDF: 34.3/29

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.007+/-17.249 χ^2/NDF: 57.7/33

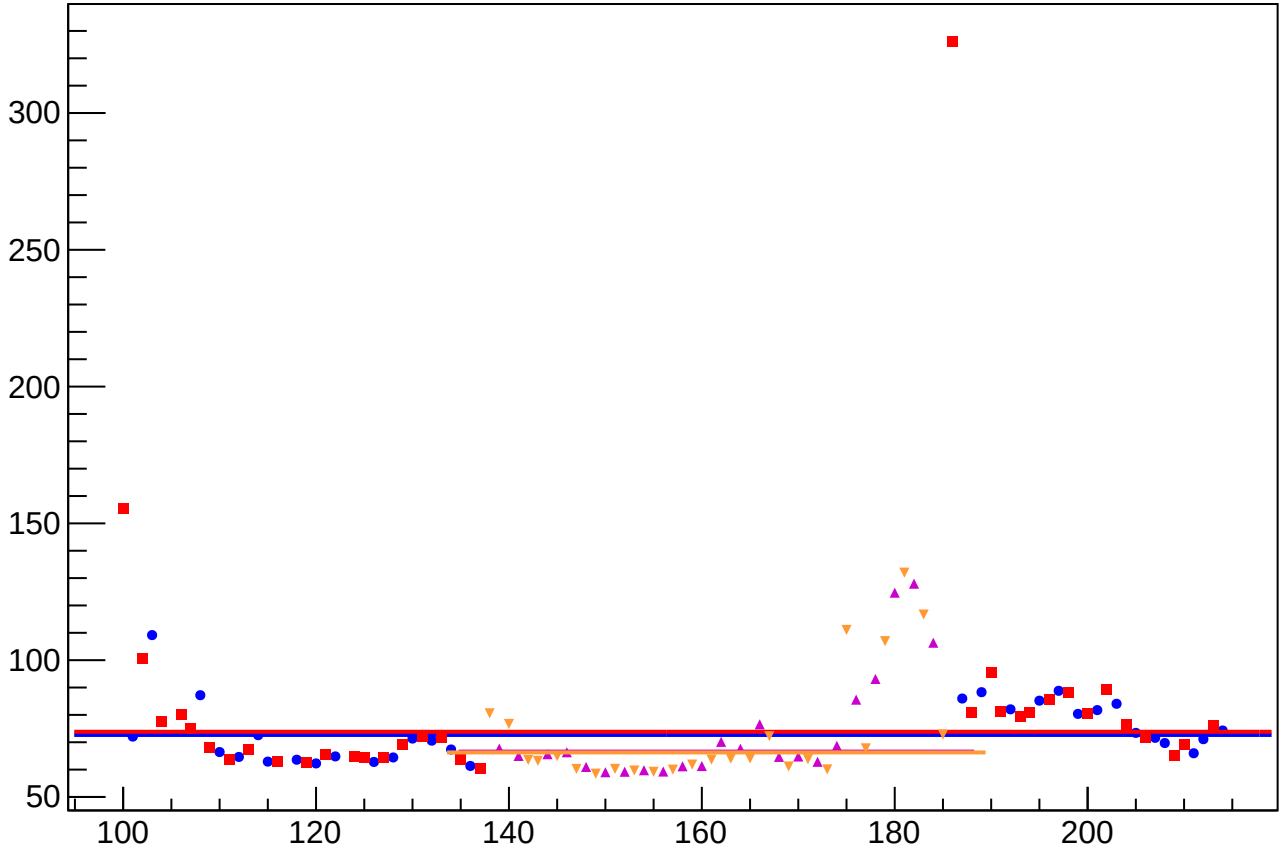
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -181.521+/-11.524 χ^2/NDF: 59.7/54

All: -20.237+/-8.223 χ^2/NDF: 556.2/111

- sign 147.083+/-11.738 χ^2/NDF: 97.4/56

dit_asym_sam8_rms vs Slug



Right In: 72.667+/-0.012 χ^2/NDF: 590045.6/29

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1068621.6/33

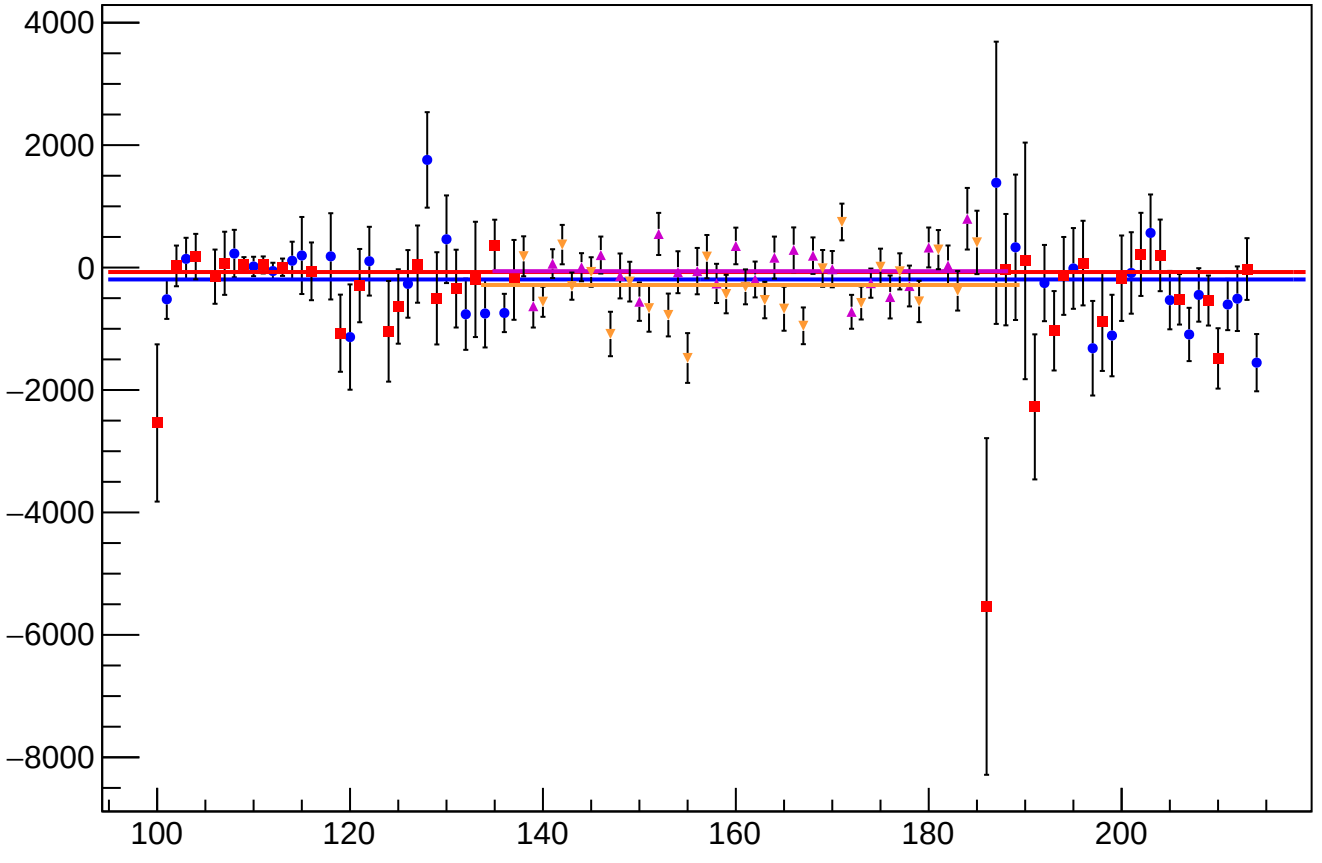
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.153+/-0.008 χ^2/NDF: 2136024.8/54

All: 69.539+/-0.006 χ^2/NDF: 4556807.0/111

- sign 69.939+/-0.008 χ^2/NDF: 2416211.2/56

asym_sam8_dit_correction_mean vs Slug



Right In: -194.194+/-69.871 χ^2/NDF: 42.3/29

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -72.885+/-61.078 χ^2/NDF: 34.8/33

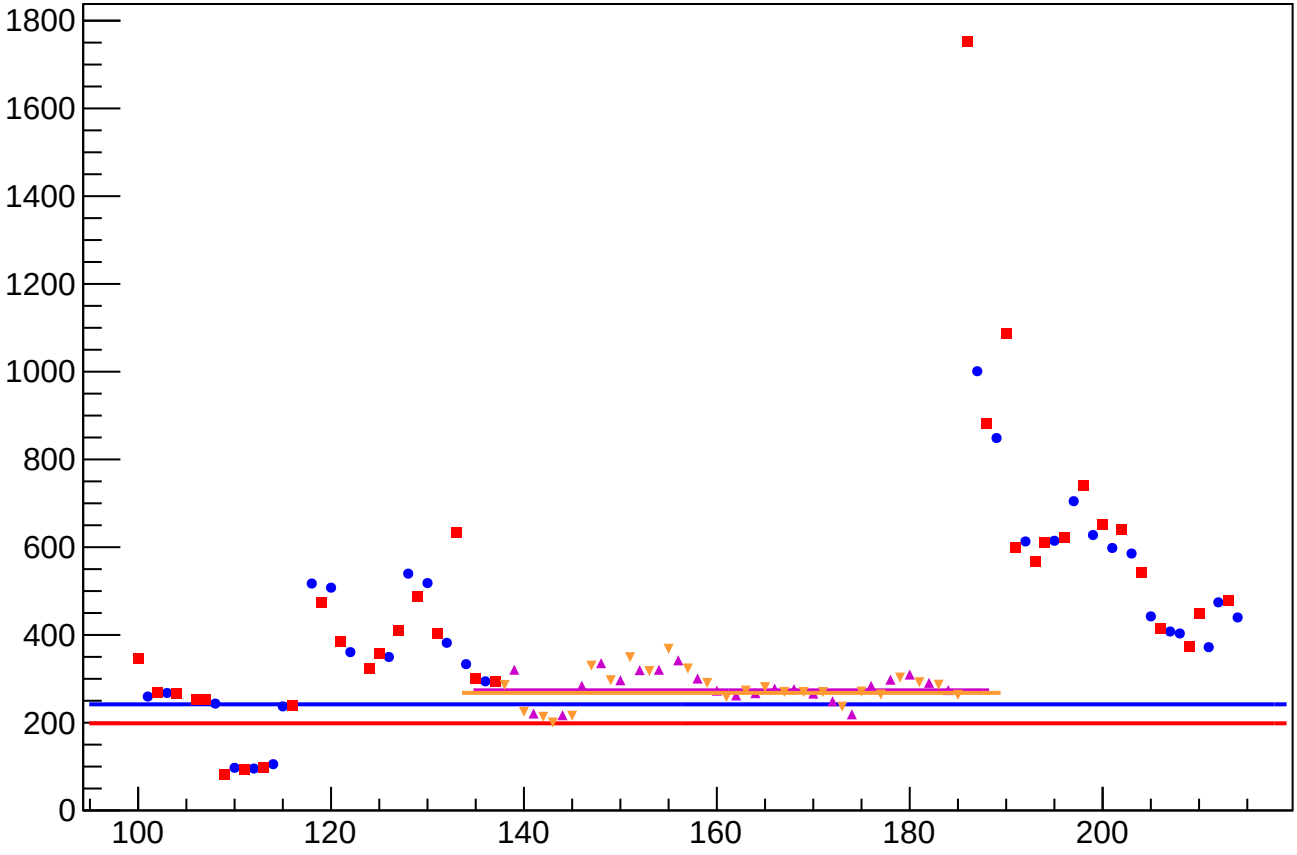
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -244.886+/-46.261 χ^2/NDF: 97.9/54

All: -151.975+/-32.031 χ^2/NDF: 167.3/111

- sign -66.411+/-44.394 χ^2/NDF: 61.7/56

asym_sam8_dit_correction_rms vs Slug



Right In: 241.911+/-0.049 χ^2/NDF: 12377995.1/29

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 198.599+/-0.043 χ^2/NDF: 16471672.7/33

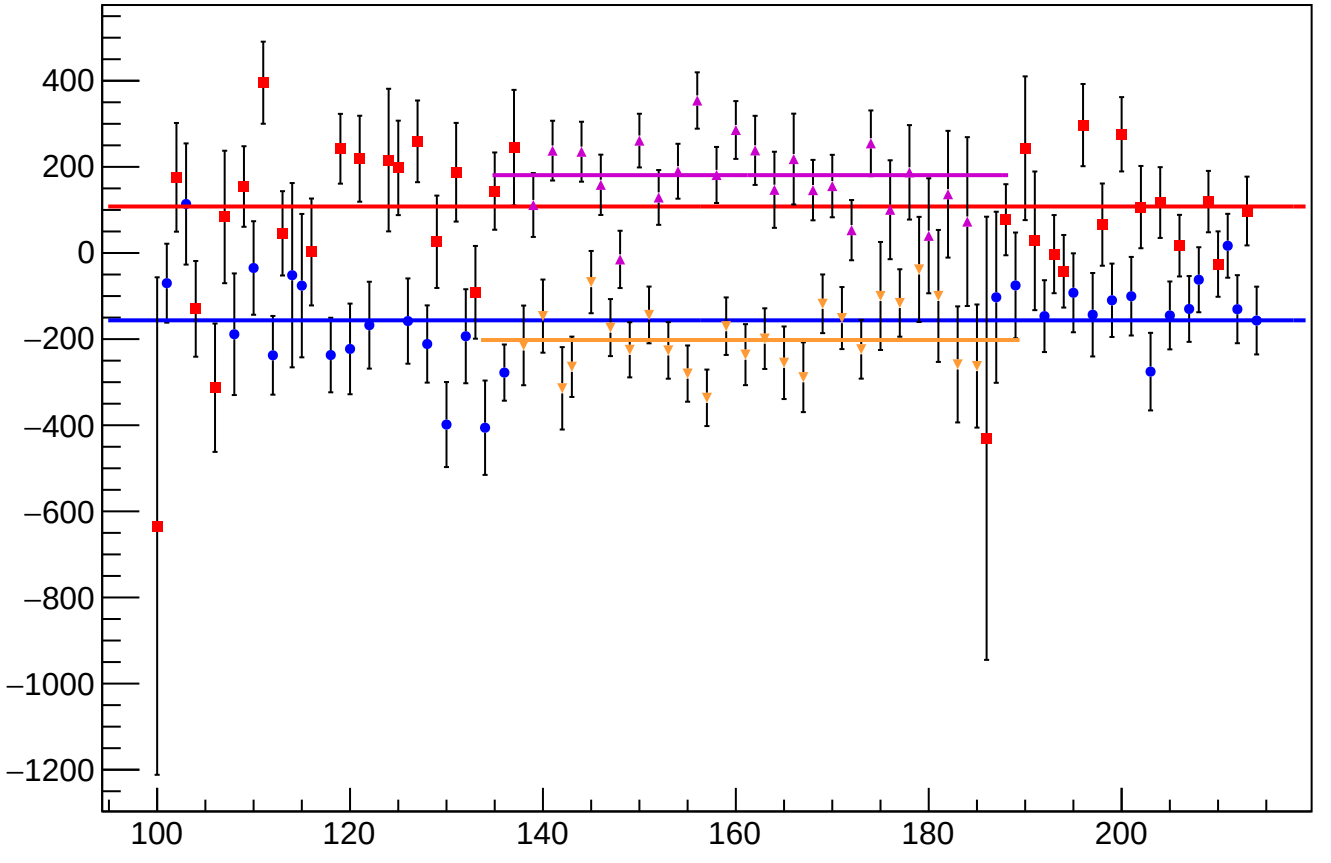
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 256.556+/-0.033 χ^2/NDF: 13397216.6/54

All: 244.839+/-0.023 χ^2/NDF: 32193897.2/11

- sign 234.050+/-0.031 χ^2/NDF: 18550252.3/56

eigen_dit_asym_sam8_mean vs Slug



Right In: -156.371+/-17.181 χ^2/NDF: 34.3/29

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.008+/-17.249 χ^2/NDF: 57.7/33

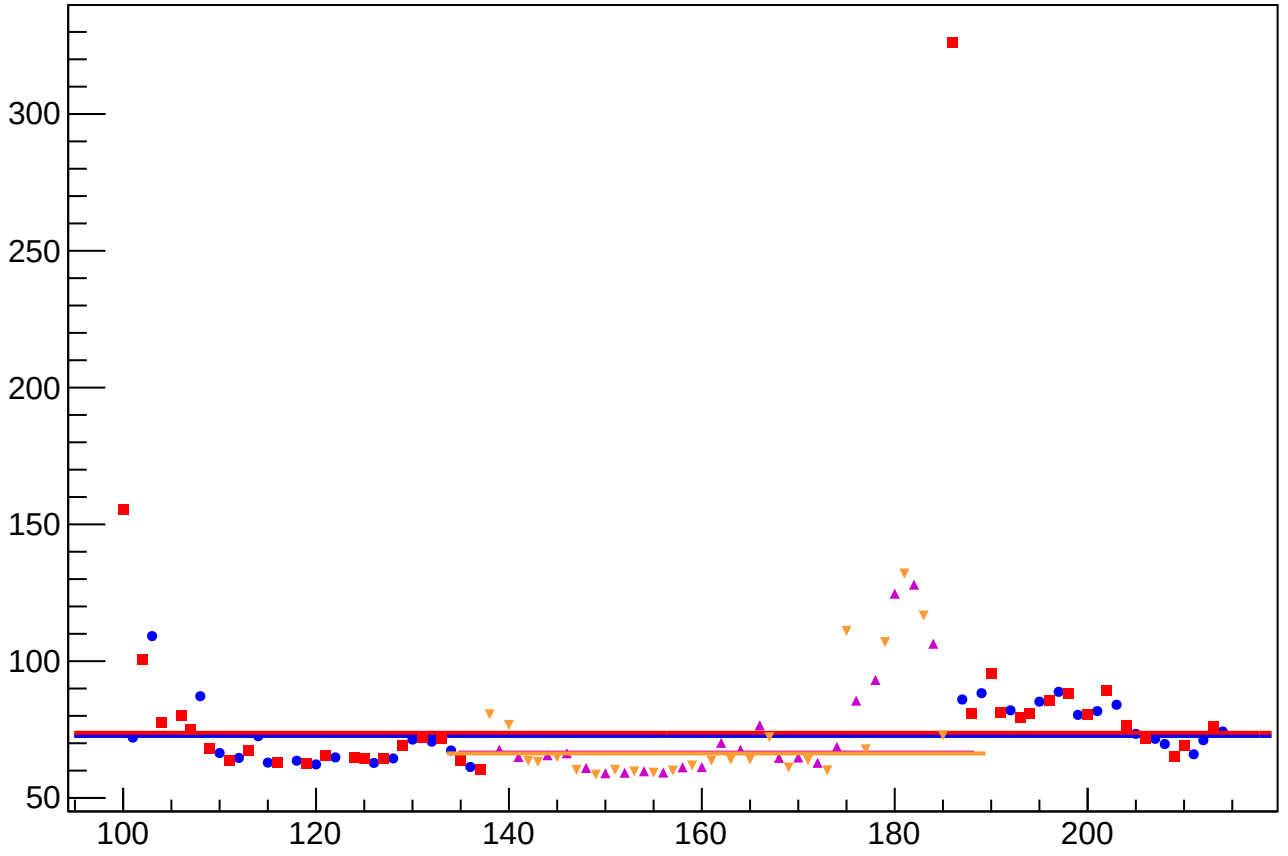
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -181.521+/-11.524 χ^2/NDF: 59.7/54

All: -20.236+/-8.223 χ^2/NDF: 556.2/111

- sign 147.084+/-11.738 χ^2/NDF: 97.4/56

eigen_dit_asym_sam8_rms vs Slug



Right In: 72.667+/-0.012 χ^2/NDF: 590049.2/29

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.828+/-0.012 χ^2/NDF: 1068625.8/33

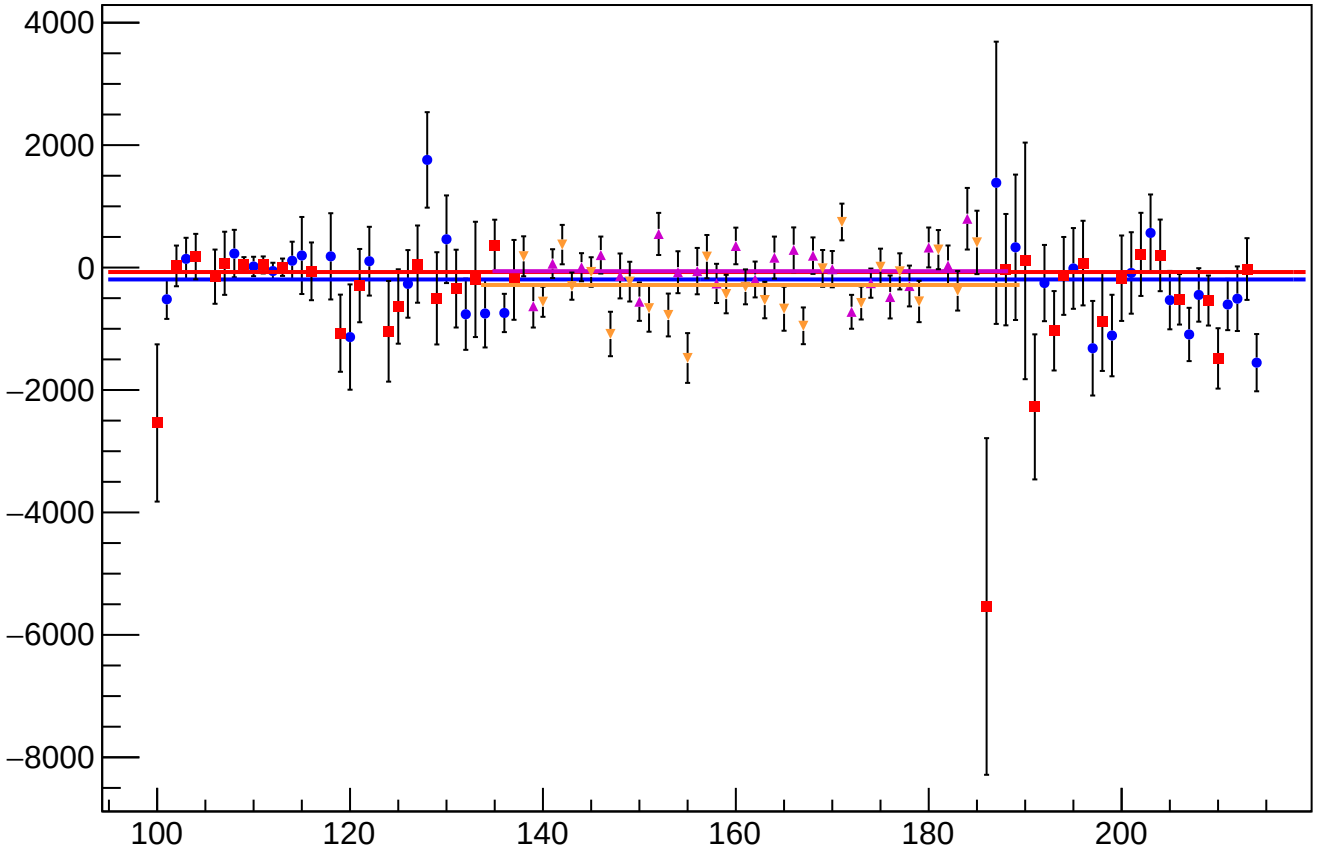
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.153+/-0.008 χ^2/NDF: 2136022.8/54

All: 69.539+/-0.006 χ^2/NDF: 4556791.6/111

- sign 69.939+/-0.008 χ^2/NDF: 2416197.9/56

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -194.192+/-69.871 χ^2/NDF: 42.3/29

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -72.884+/-61.078 χ^2/NDF: 34.8/33

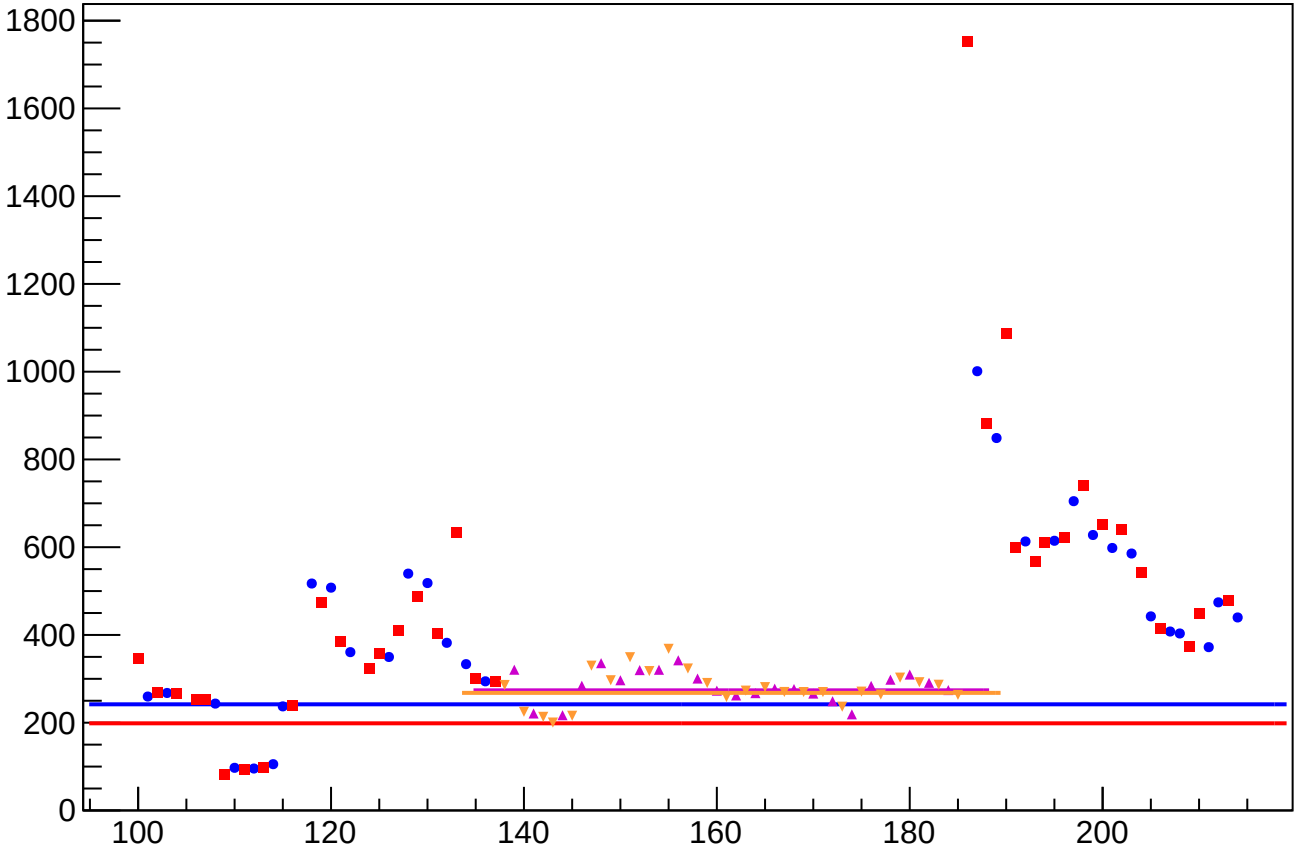
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -244.885+/-46.260 χ^2/NDF: 97.9/54

All: -151.974+/-32.031 χ^2/NDF: 167.3/111

- sign -66.410+/-44.393 χ^2/NDF: 61.7/56

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 241.909+/-0.049 χ^2/NDF: 12378078.8/29

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 198.599+/-0.043 χ^2/NDF: 16471660.3/33

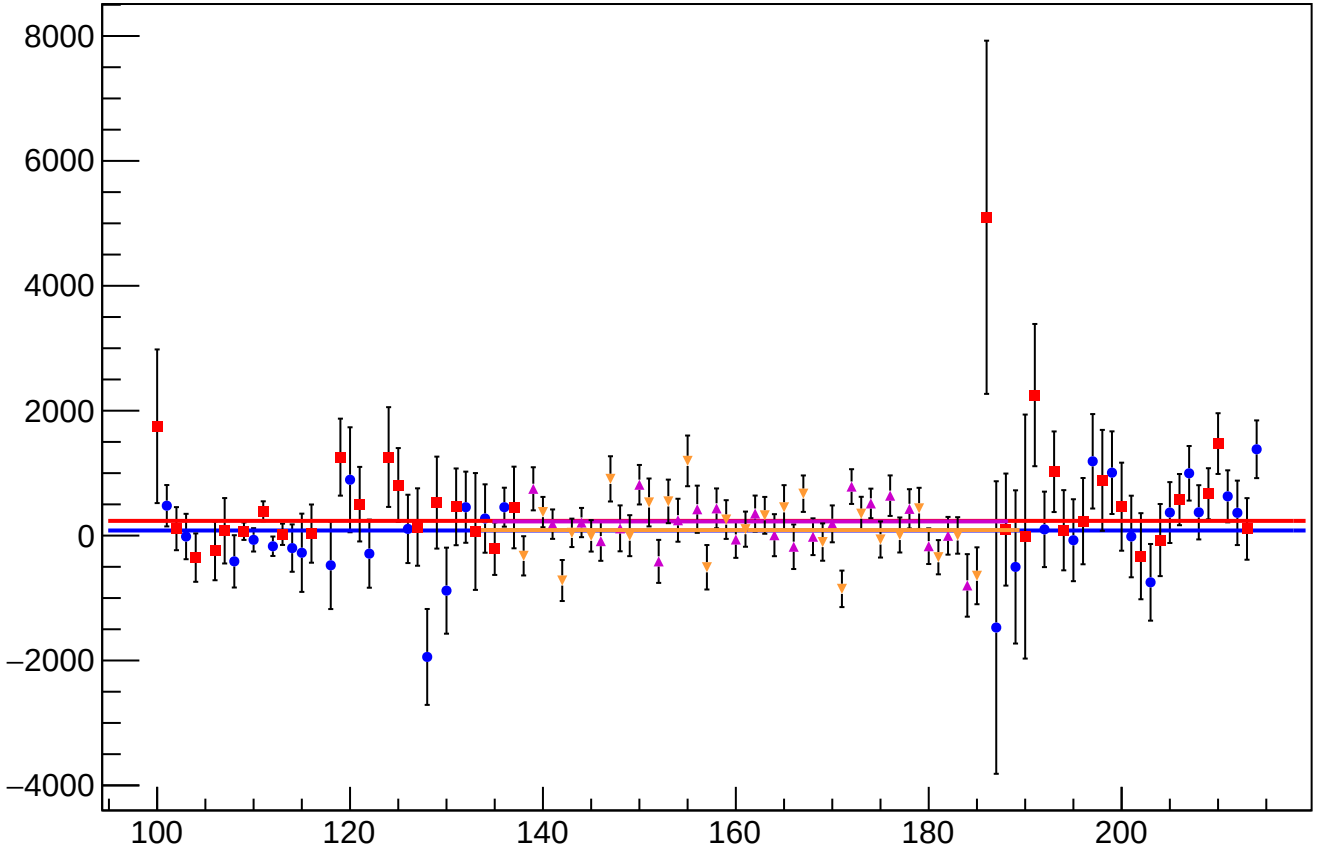
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 256.554+/-0.033 χ^2/NDF: 13397321.3/54

All: 244.838+/-0.023 χ^2/NDF: 32193973.0/11

- sign 234.049+/-0.031 χ^2/NDF: 18550236.0/56

asym_sam8_mean vs Slug



Right In: 81.692+/-75.305 χ^2/NDF: 41.8/29

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 235.634+/-67.739 χ^2/NDF: 34.0/33

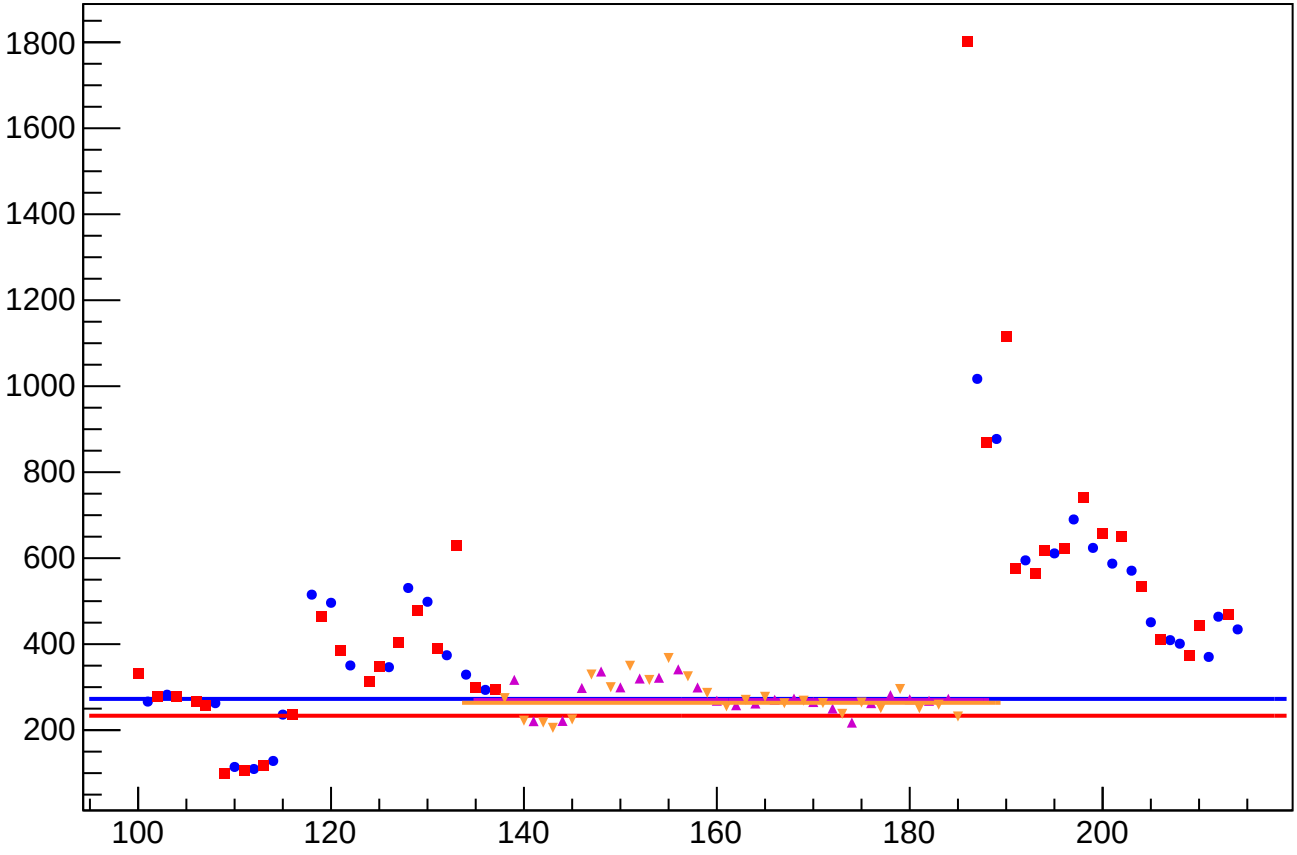
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 85.758+/-47.243 χ^2/NDF: 94.0/54

All: 159.682+/-33.102 χ^2/NDF: 161.7/111

\- sign 230.980+/-46.396 χ^2/NDF: 62.9/56

asym_sam8_rms vs Slug



Right In: 272.661+/-0.053 χ^2/NDF: 10085854.3/29

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 233.493+/-0.048 χ^2/NDF: 13896769.4/33

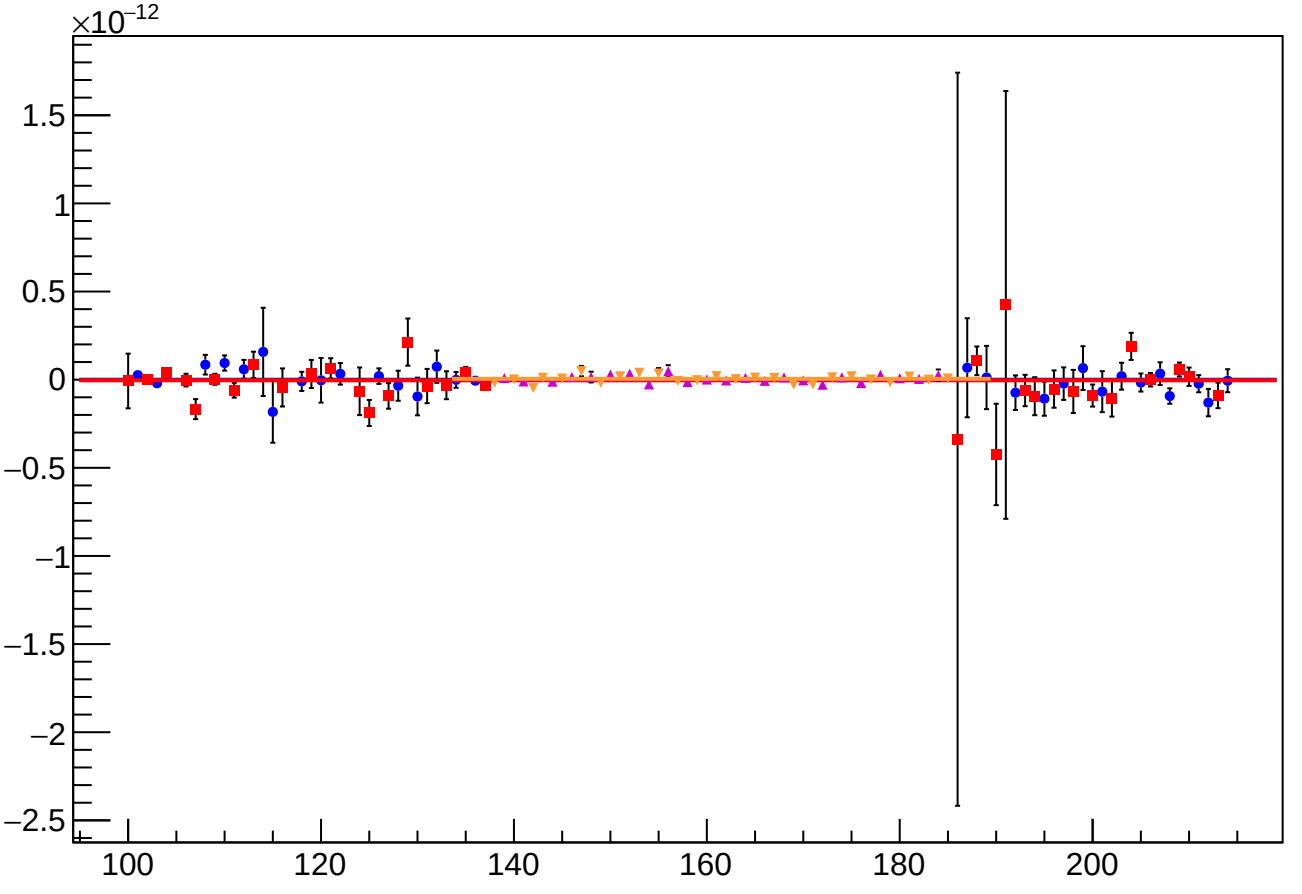
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 267.162+/-0.033 χ^2/NDF: 10883296.1/54

All: 259.861+/-0.023 χ^2/NDF: 25782811.1/11

- sign 252.819+/-0.033 χ^2/NDF: 14805682.0/56

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

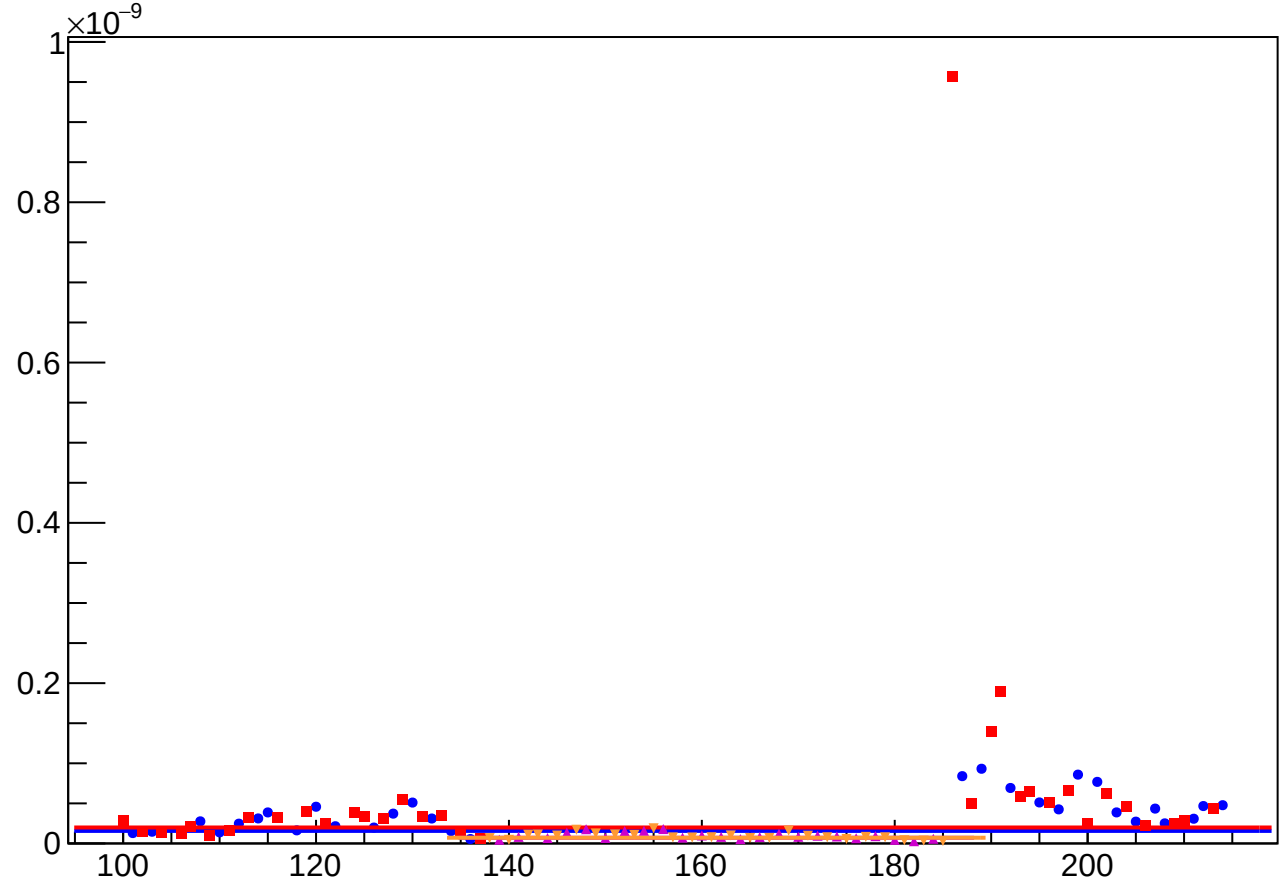
Right Out: -0.000+/-0.000 χ^2/NDF: 49.4/33

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.1/54

All: 0.000+/-0.000 χ^2/NDF: 124.7/111

- sign 0.000+/-0.000 χ^2/NDF: 71.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 6806449.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936354.7/33

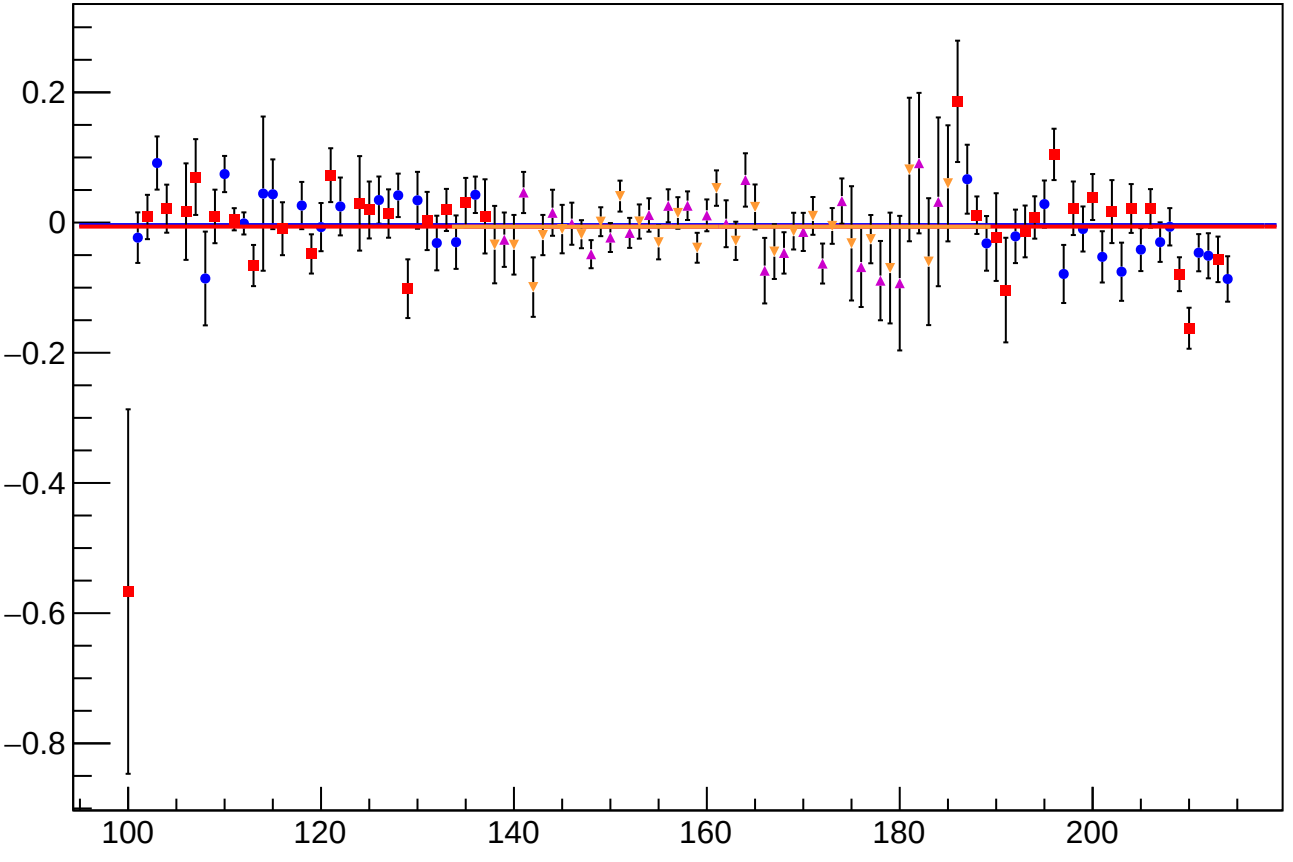
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10926695.0/54

All: 0.000+/-0.000 χ^2/NDF: 21603356.5/111

- sign 0.000+/-0.000 χ^2/NDF: 10671642.1/56

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 46.3/29

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.006+/-0.006 χ^2/NDF: 76.0/33

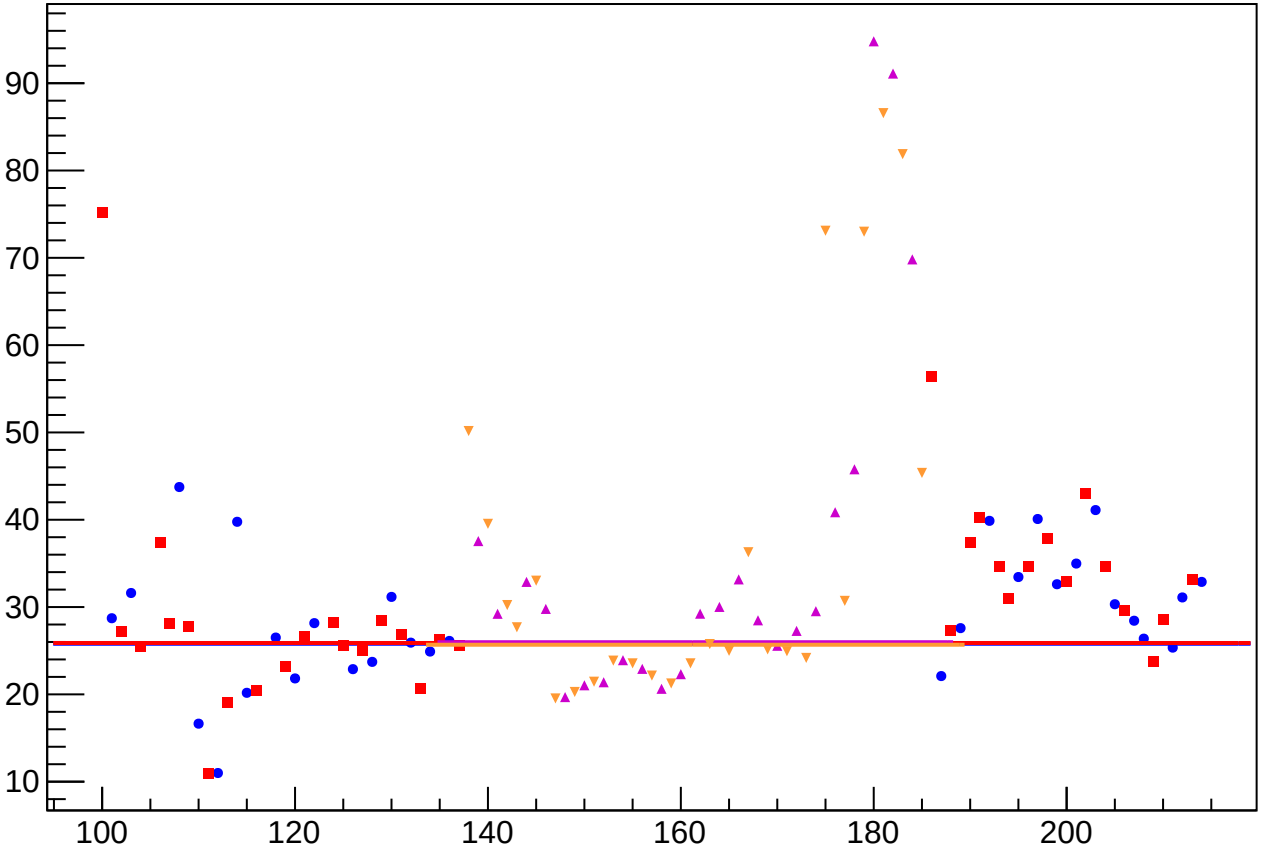
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.005 χ^2/NDF: 68.9/54

All: -0.006+/-0.003 χ^2/NDF: 173.4/111

- sign -0.006+/-0.005 χ^2/NDF: 104.4/56

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.799+/-0.005 χ^2/NDF: 3190291.1/29

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.884+/-0.004 χ^2/NDF: 3211802.4/33

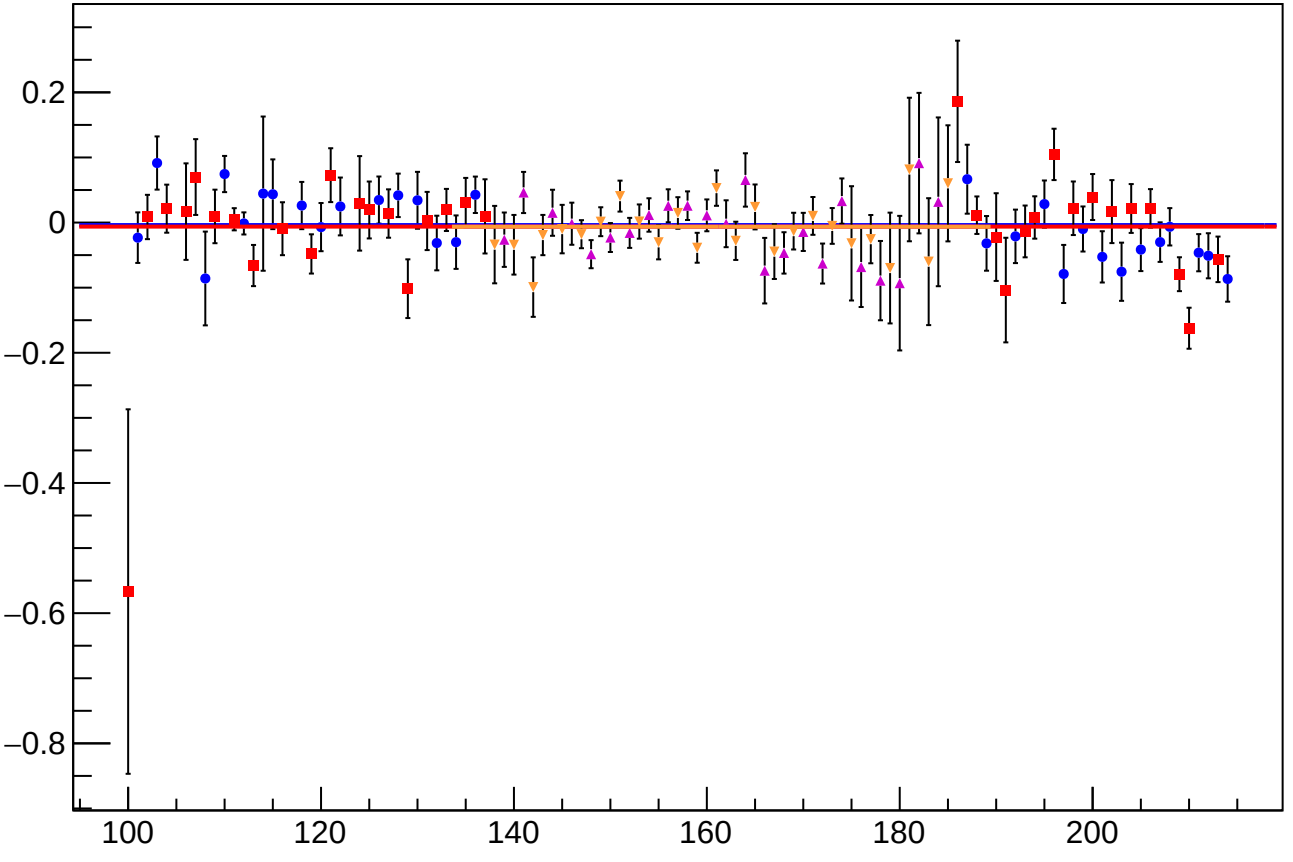
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.741+/-0.003 χ^2/NDF: 7062147.1/54

All: 25.833+/-0.002 χ^2/NDF: 13394102.0/111

\- sign 25.926+/-0.003 χ^2/NDF: 6330320.1/56

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.004+/-0.006 χ^2/NDF: 46.3/29

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.006+/-0.006 χ^2/NDF: 76.0/33

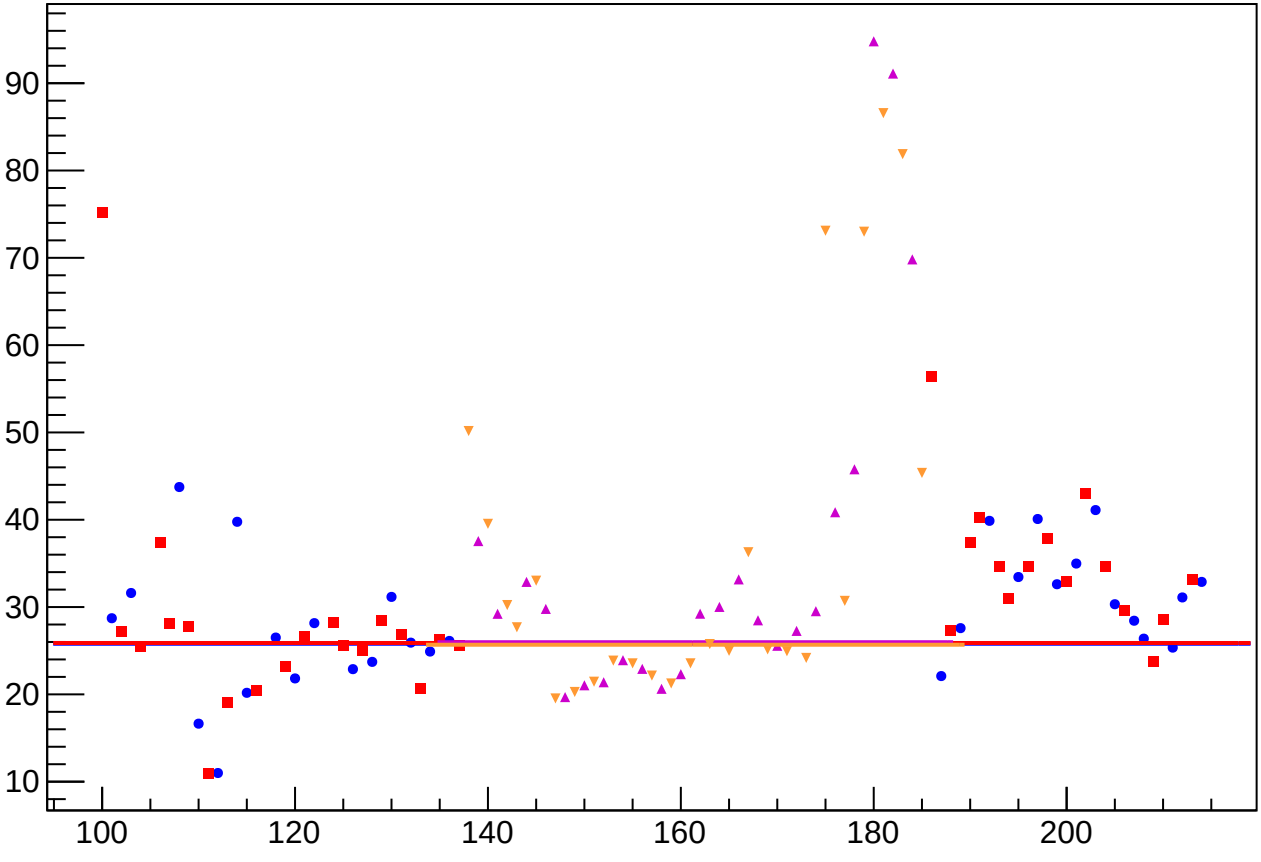
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.005 χ^2/NDF: 68.9/54

All: -0.006+/-0.003 χ^2/NDF: 173.4/111

- sign -0.006+/-0.005 χ^2/NDF: 104.4/56

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.799+/-0.005 χ^2/NDF: 3190291.1/29

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.884+/-0.004 χ^2/NDF: 3211802.4/33

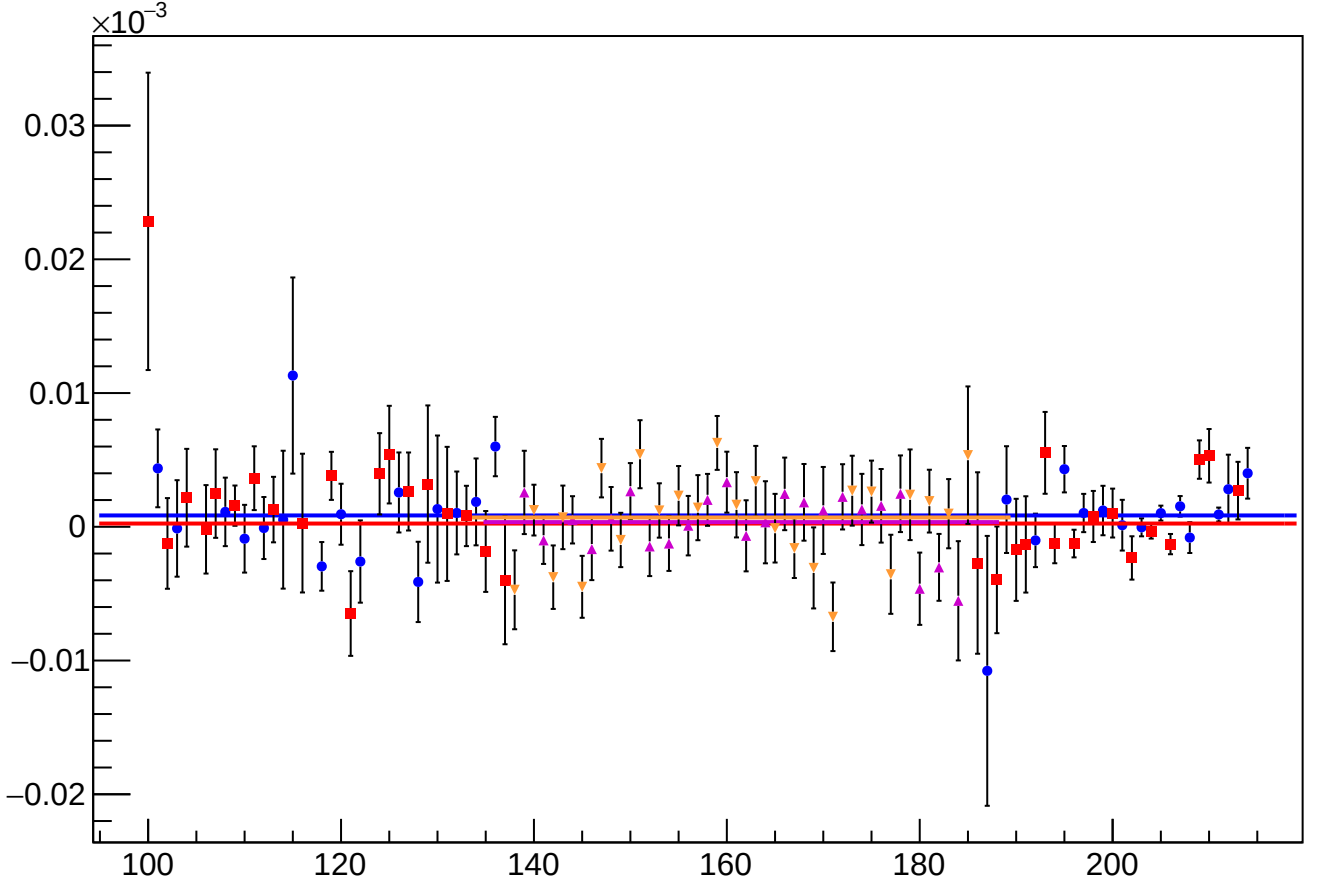
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

\+ sign 25.741+/-0.003 χ^2/NDF: 7062147.1/54

All: 25.833+/-0.002 χ^2/NDF: 13394102.0/111

\- sign 25.926+/-0.003 χ^2/NDF: 6330320.1/56

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.8/33

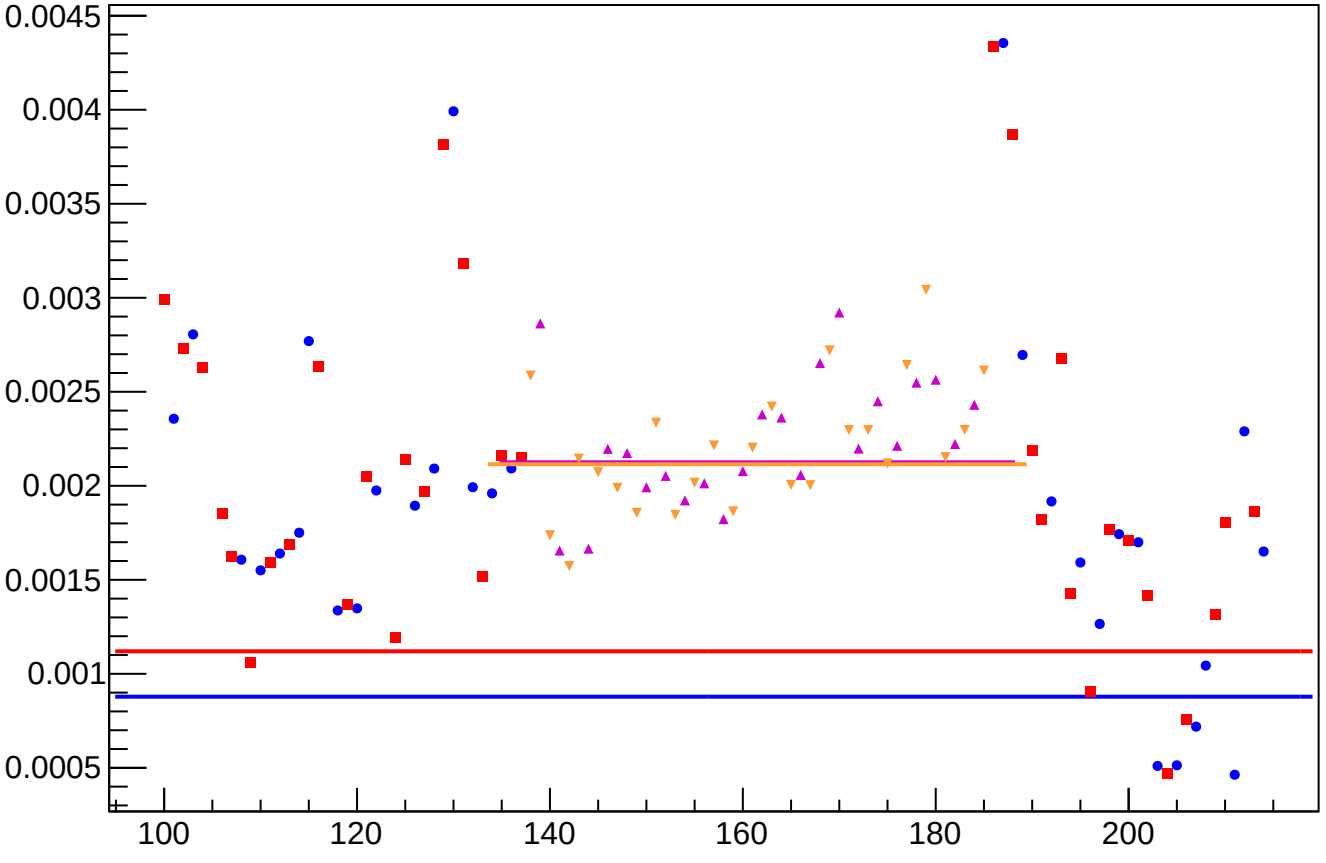
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/54

All: 0.000+/-0.000 χ^2/NDF: 153.1/111

- sign 0.000+/-0.000 χ^2/NDF: 73.2/56

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10799438.6/29

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

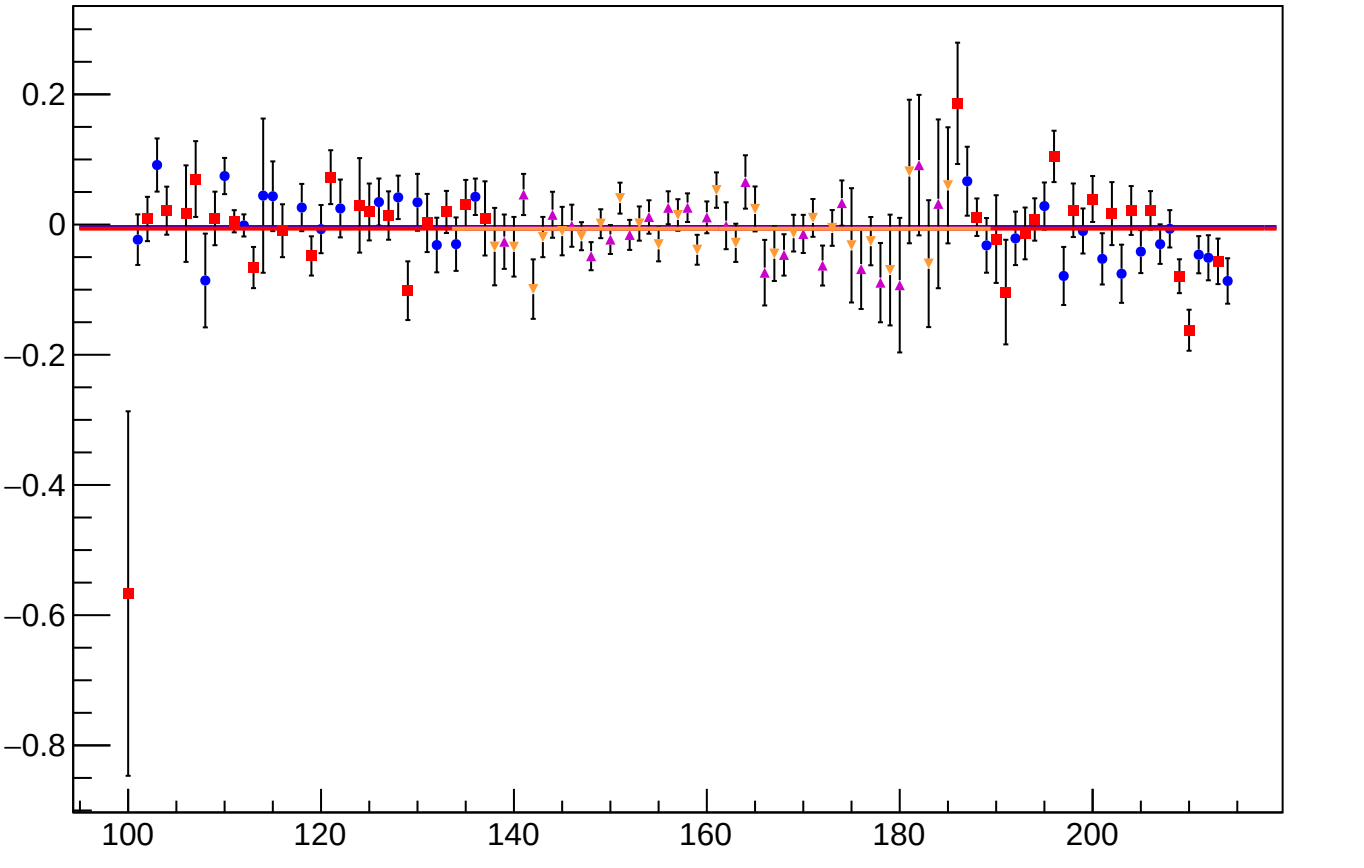
Right Out: 0.001+/-0.000 χ^2/NDF: 9520496.1/33

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 21717957.4/54

All: 0.001+/-0.000 χ^2/NDF: 38954918.0/111

- sign 0.001+/-0.000 χ^2/NDF: 16204831.1/56



Right In: -0.004+/-0.006 χ^2/NDF: 46.3/29

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.006+/-0.006 χ^2/NDF: 76.0/33

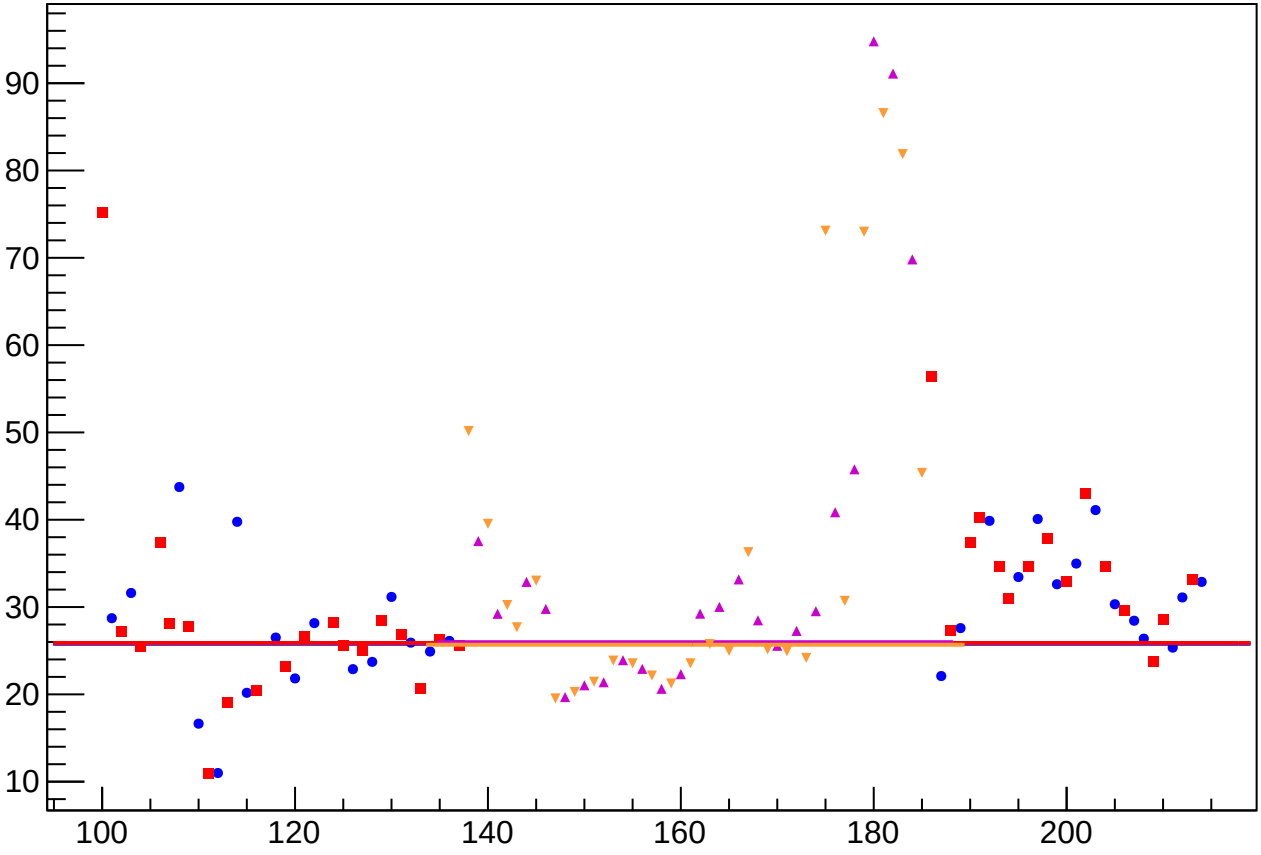
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.005+/-0.005 χ^2/NDF: 68.9/54

All: -0.006+/-0.003 χ^2/NDF: 173.4/111

- sign -0.006+/-0.005 χ^2/NDF: 104.4/56

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.798+/-0.005 χ^2/NDF: 3190566.2/29

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

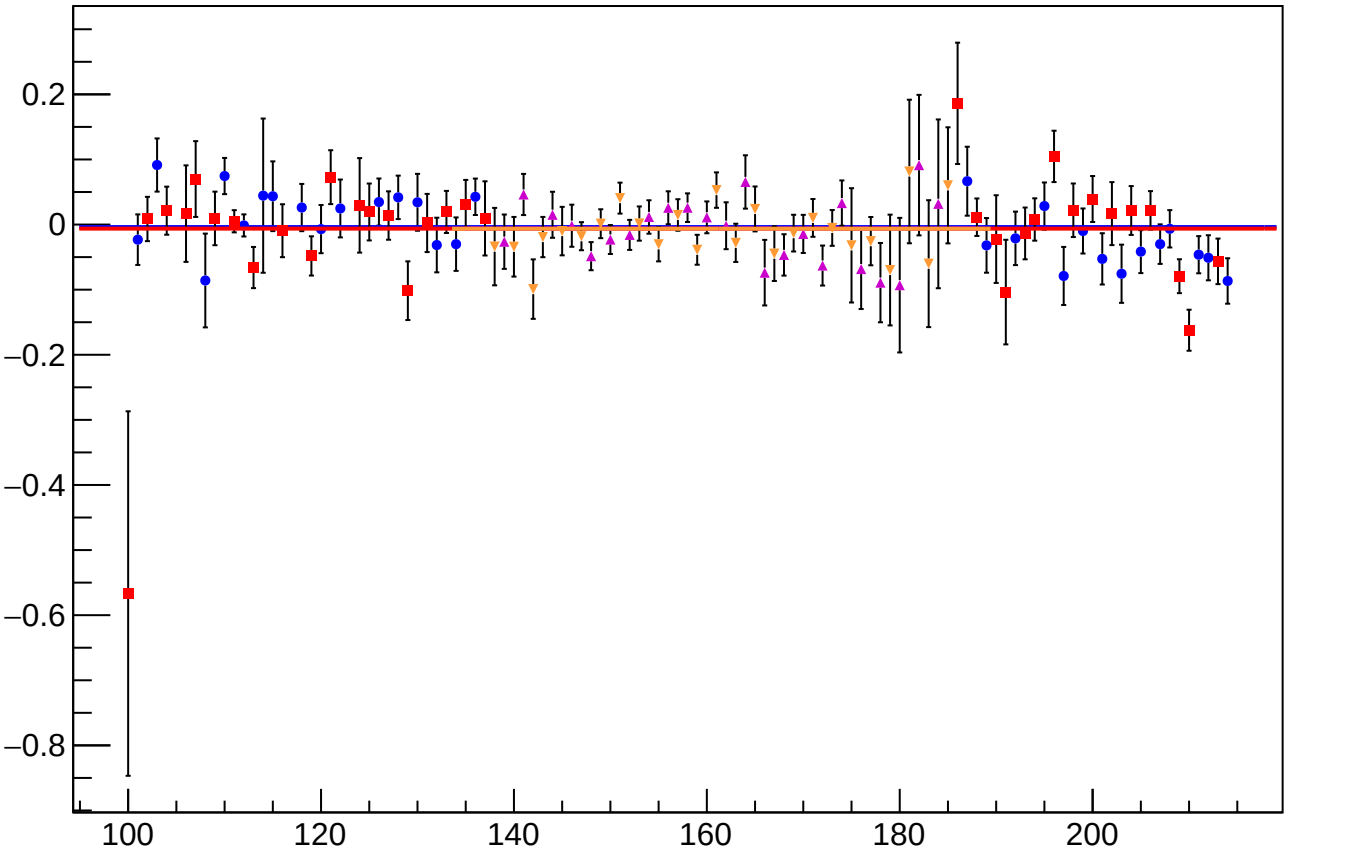
Right Out: 25.883+/-0.004 χ^2/NDF: 3212078.7/33

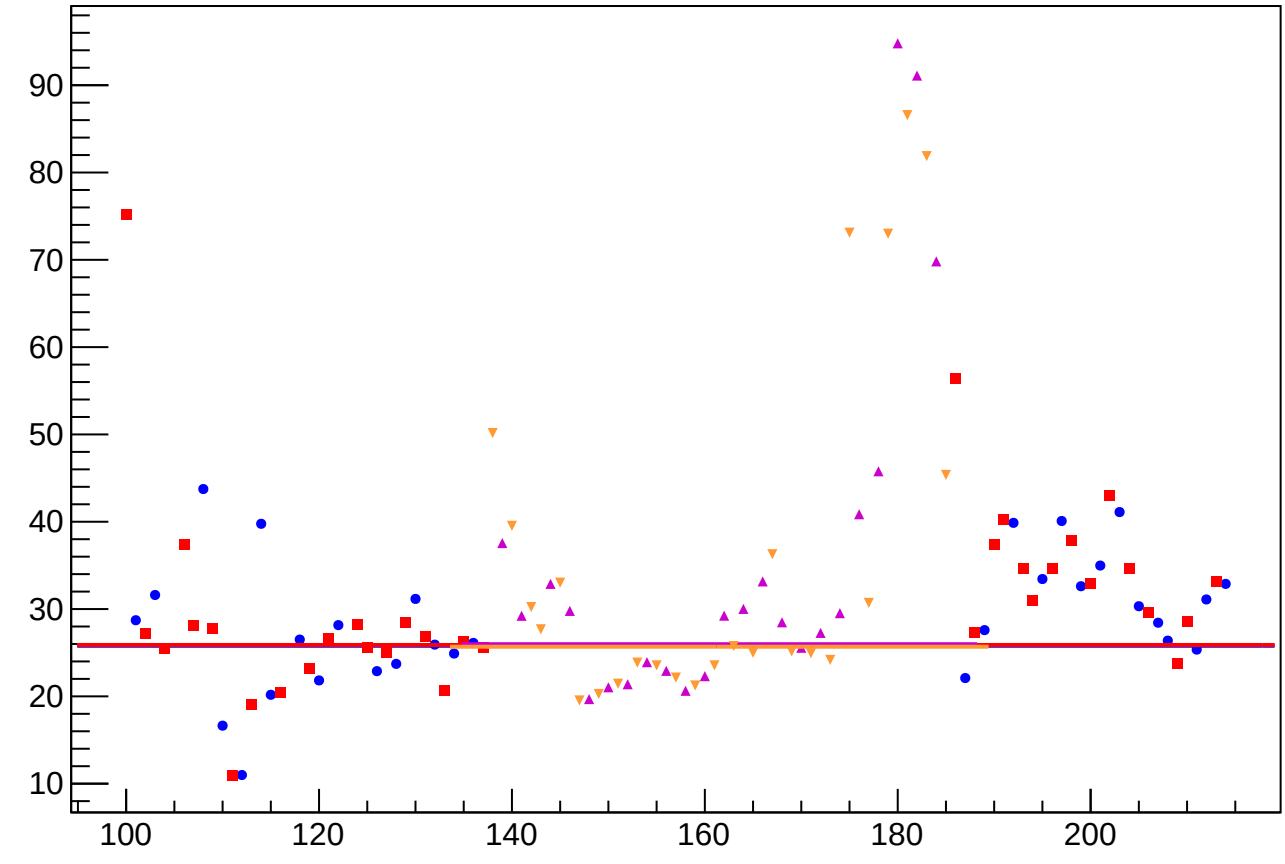
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

\+ sign 25.741+/-0.003 χ^2/NDF: 7062422.5/54

All: 25.832+/-0.002 χ^2/NDF: 13394635.3/111

\- sign 25.926+/-0.003 χ^2/NDF: 6330578.8/56


asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: -0.004+/-0.006 χ²/NDF: 46.3/29
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.006+/-0.006 χ²/NDF: 76.0/33
Left In: -0.006+/-0.007 χ²/NDF:28.4/22
+ sign -0.005+/-0.005 χ²/NDF: 68.9/54
All: -0.006+/-0.003 χ²/NDF: 173.4/111
- sign -0.006+/-0.005 χ²/NDF: 104.4/56



Right In: 25.798+/-0.005 χ^2/NDF: 3190566.2/29

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

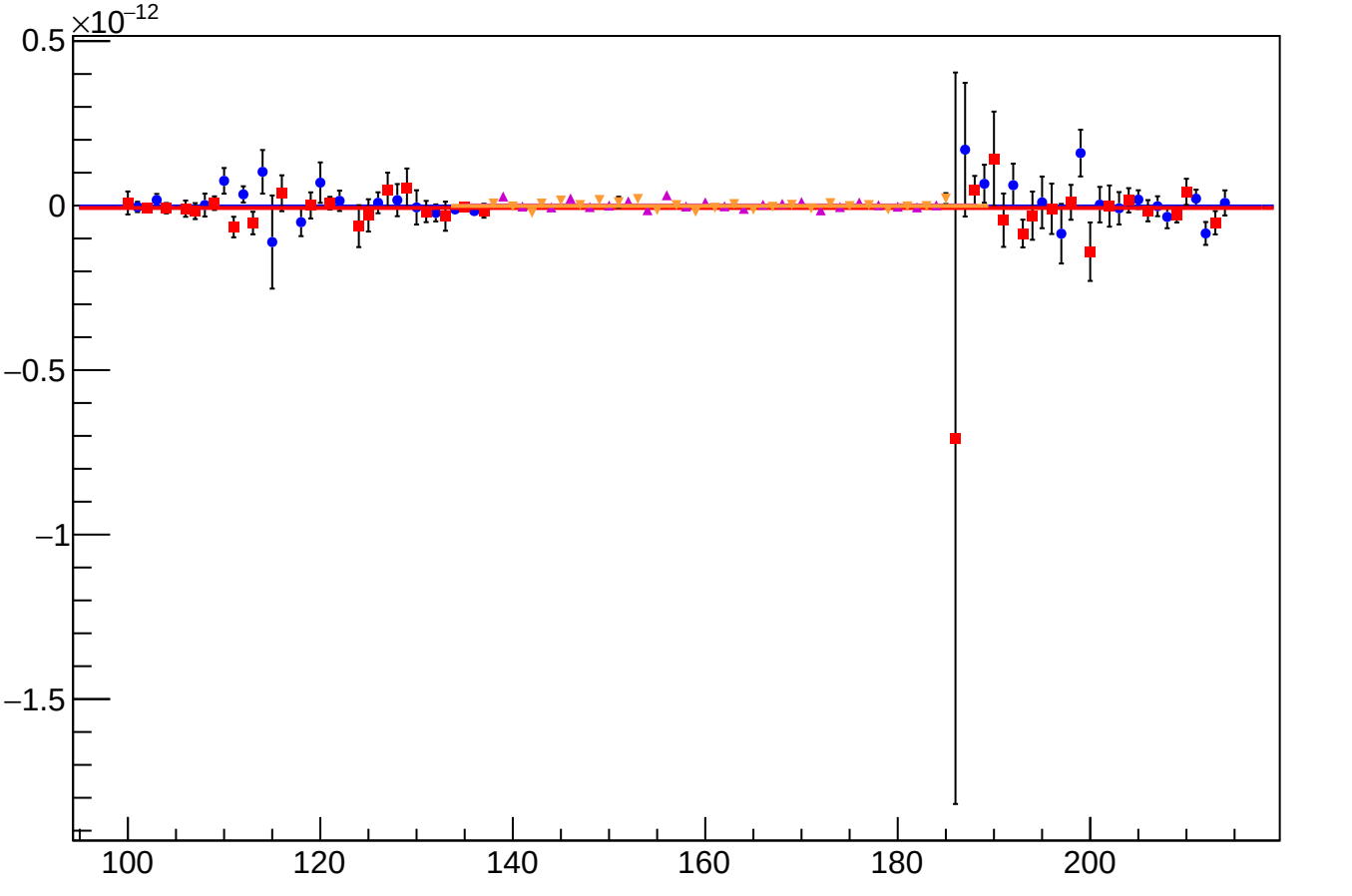
Right Out: 25.883+/-0.004 χ^2/NDF: 3212078.7/33

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.741+/-0.003 χ^2/NDF: 7062422.5/54

All: 25.832+/-0.002 χ^2/NDF: 13394635.3/111

- sign 25.926+/-0.003 χ^2/NDF: 6330578.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

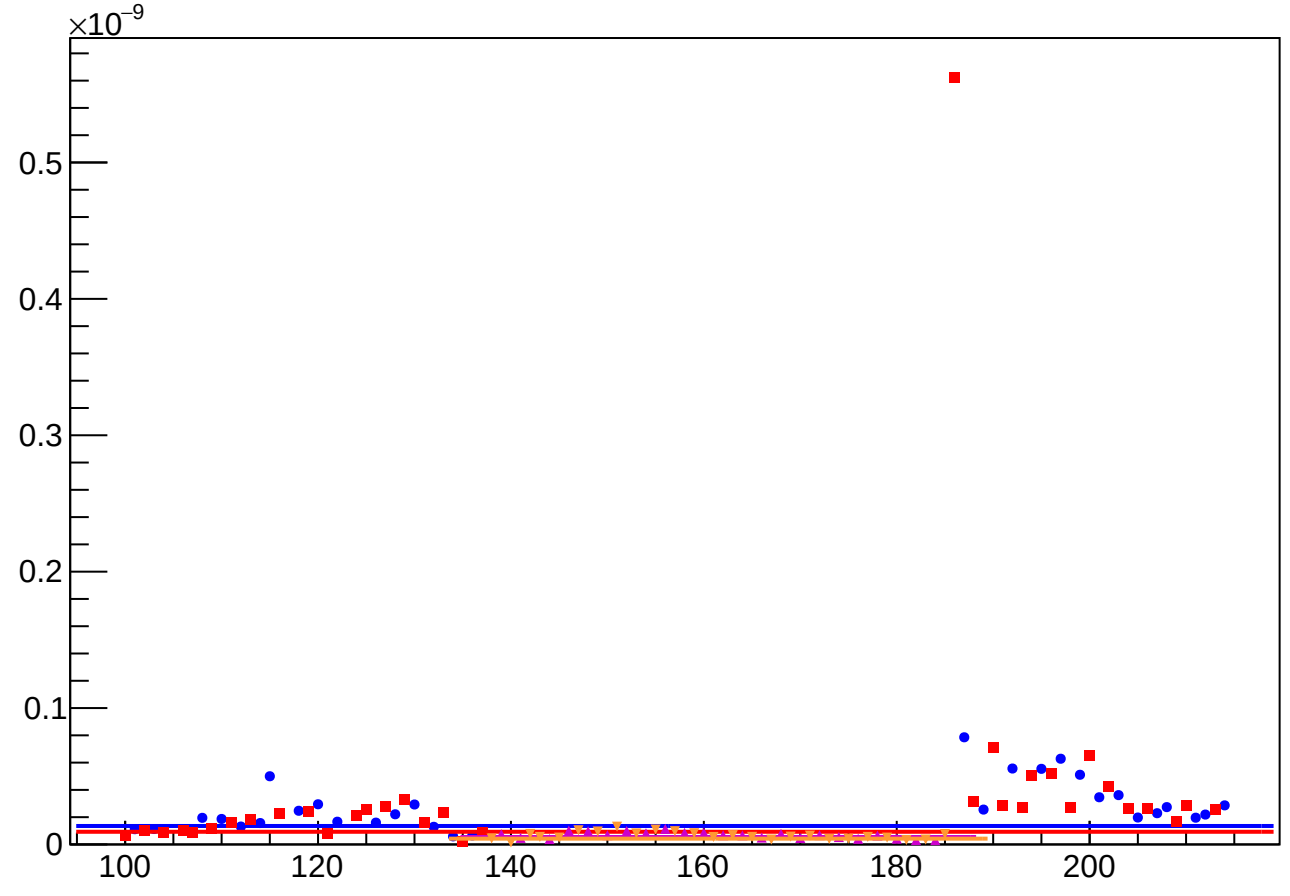
Right Out: -0.000+/-0.000 χ^2/NDF: 24.6/33

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/54

All: -0.000+/-0.000 χ^2/NDF: 120.6/111

- sign -0.000+/-0.000 χ^2/NDF: 57.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 7340942.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11434850.9/33

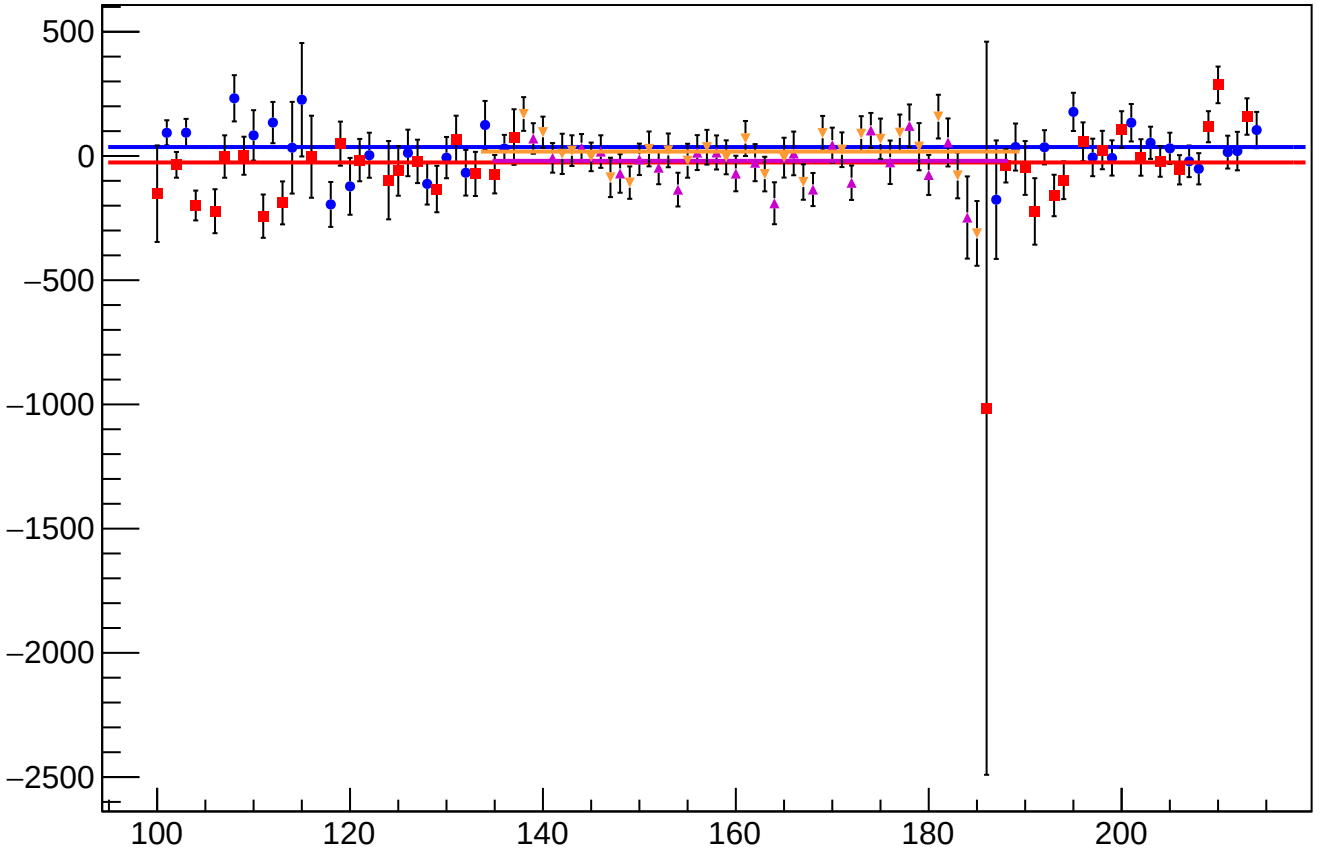
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19287712.3/54

All: 0.000+/-0.000 χ^2/NDF: 35604474.3/111

- sign 0.000+/-0.000 χ^2/NDF: 15769909.9/56

reg_asym_sam_15_avg_mean vs Slug



Right In: 35.934+/-14.097 χ^2/NDF: 33.7/29

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -26.085+/-13.993 χ^2/NDF: 69.3/33

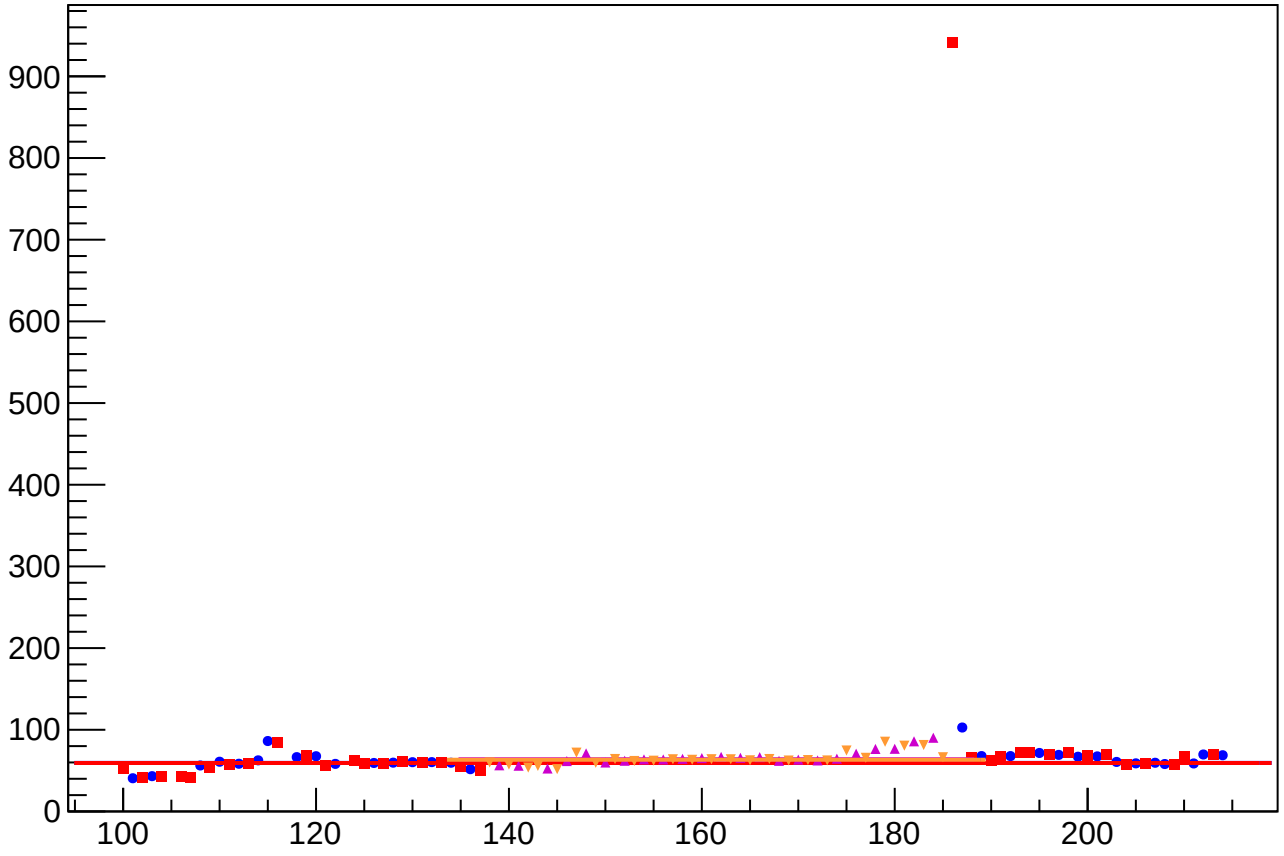
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

\+ sign 27.120+/-10.106 χ^2/NDF: 66.1/54

All: 2.355+/-7.195 χ^2/NDF: 173.9/111

\- sign -23.095+/-10.245 χ^2/NDF: 95.6/56

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.449+/-0.010 χ^2/NDF: 850429.2/29

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1715968.5/33

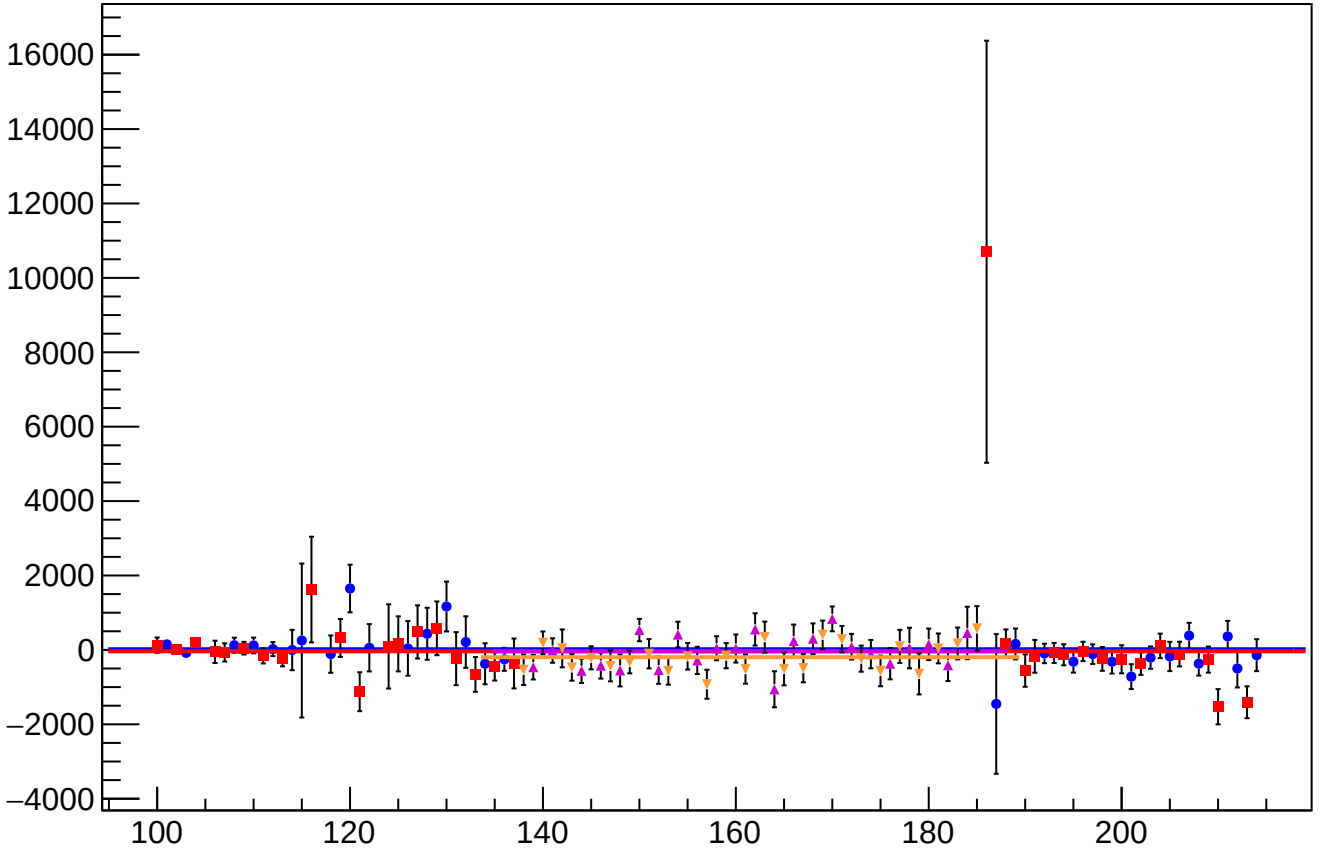
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.327+/-0.007 χ^2/NDF: 1420880.2/54

All: 61.393+/-0.005 χ^2/NDF: 3681991.2/111

- sign 61.460+/-0.007 χ^2/NDF: 2260939.5/56

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 17.948+/-41.563 χ^2/NDF: 30.4/29

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -37.290+/-43.913 χ^2/NDF: 48.0/33

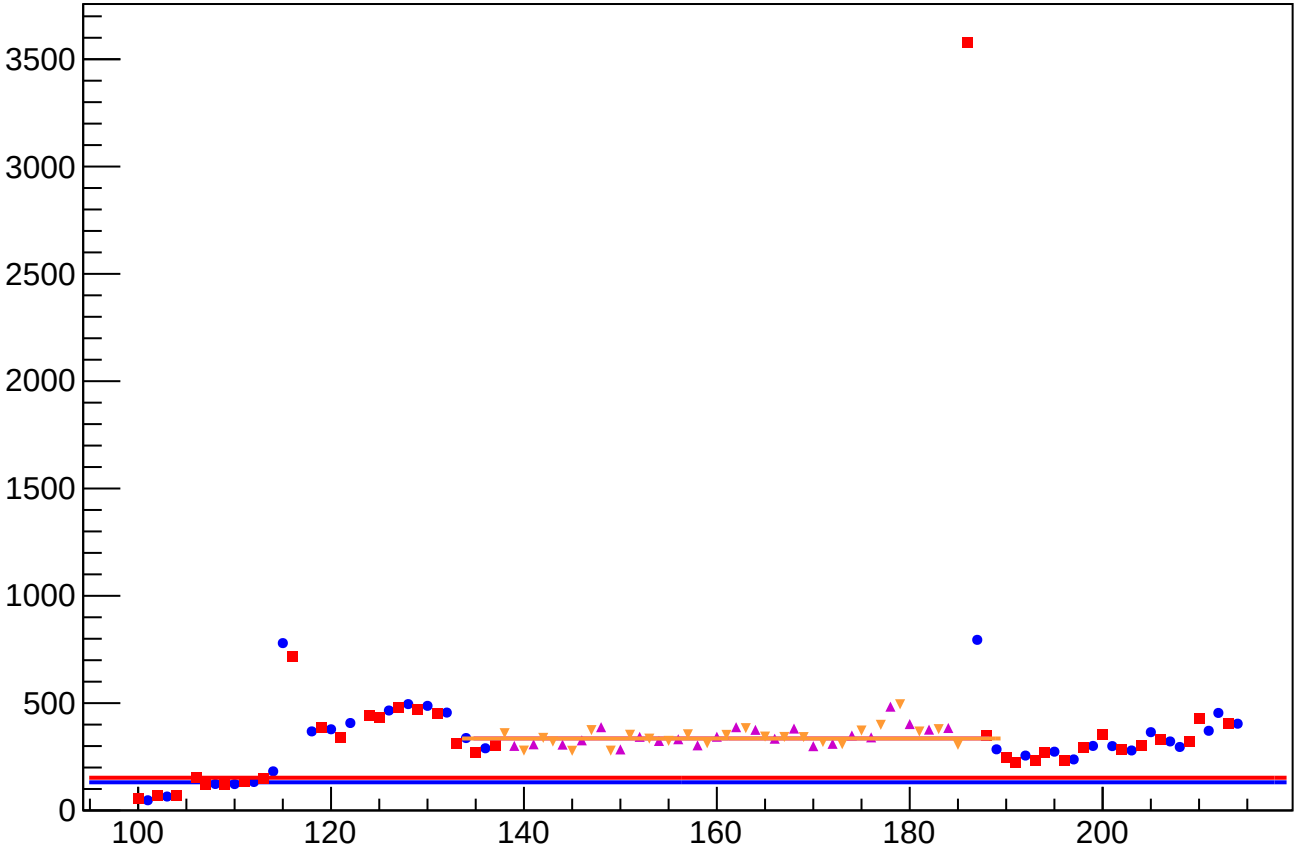
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -30.226+/-36.584 χ^2/NDF: 57.0/54

All: -33.489+/-26.490 χ^2/NDF: 136.0/111

- sign -37.085+/-38.406 χ^2/NDF: 79.1/56

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 131.179+/-0.029 χ^2/NDF: 15760266.6/29

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 152.480+/-0.031 χ^2/NDF: 13225042.7/33

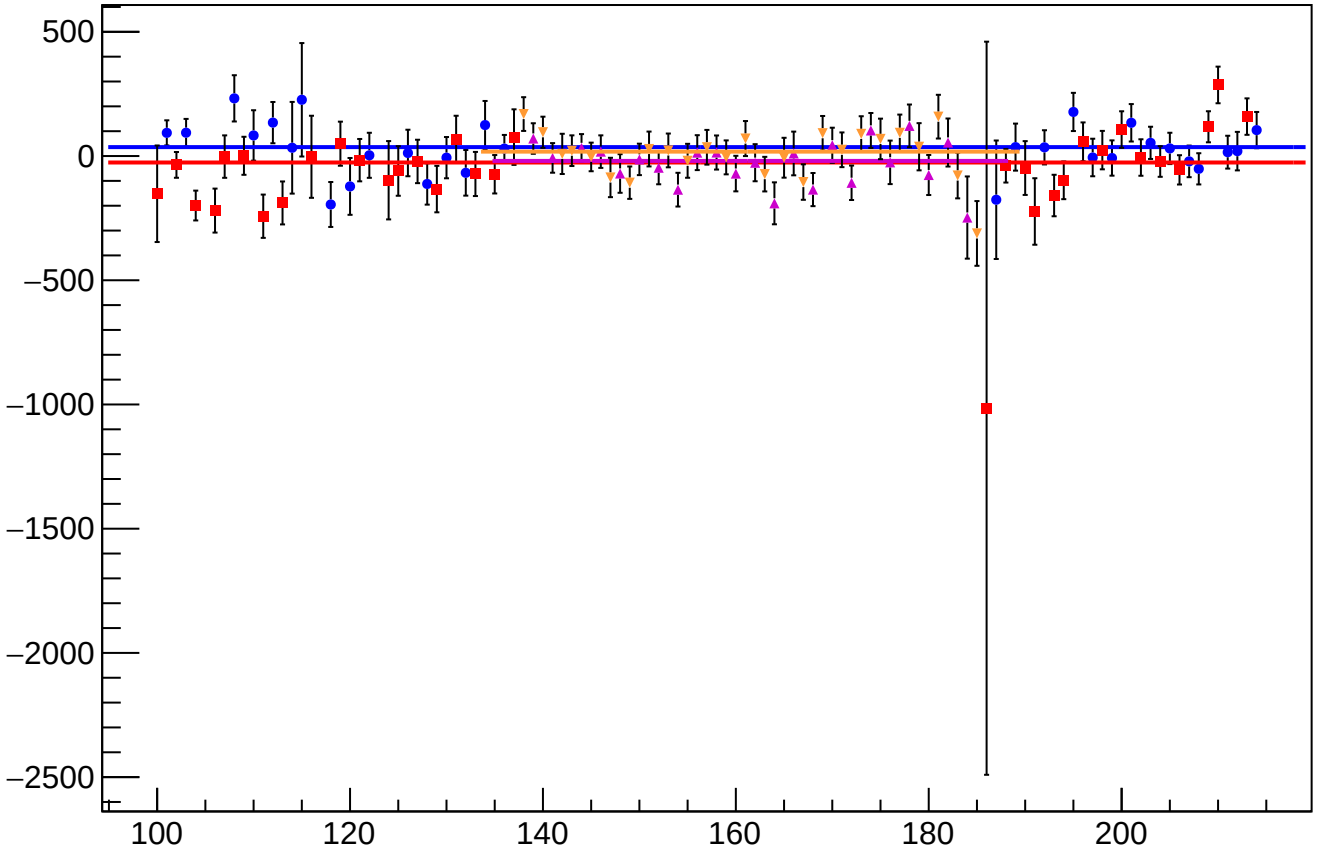
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 177.146+/-0.026 χ^2/NDF: 27185347.2/54

All: 185.884+/-0.019 χ^2/NDF: 49314929.9/11

- sign 195.513+/-0.027 χ^2/NDF: 21889757.0/56

cor_asym_sam_15_avg_mean vs Slug



Right In: 35.940+/-14.097 χ^2/NDF: 33.7/29

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -26.015+/-13.994 χ^2/NDF: 69.1/33

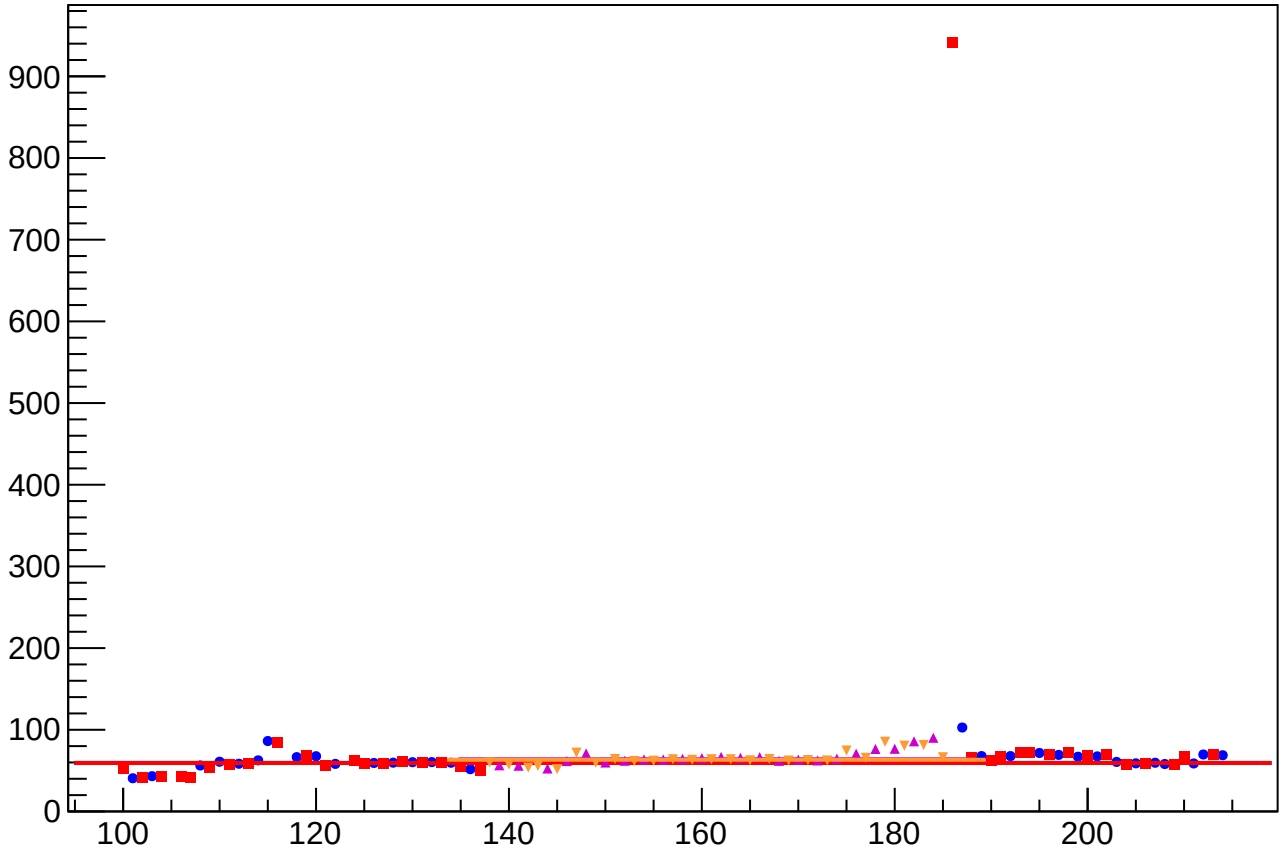
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.124+/-10.106 χ^2/NDF: 66.1/54

All: 2.376+/-7.195 χ^2/NDF: 173.7/111

- sign -23.058+/-10.245 χ^2/NDF: 95.5/56

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.449+/-0.010 χ^2/NDF: 850428.1/29

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1716393.7/33

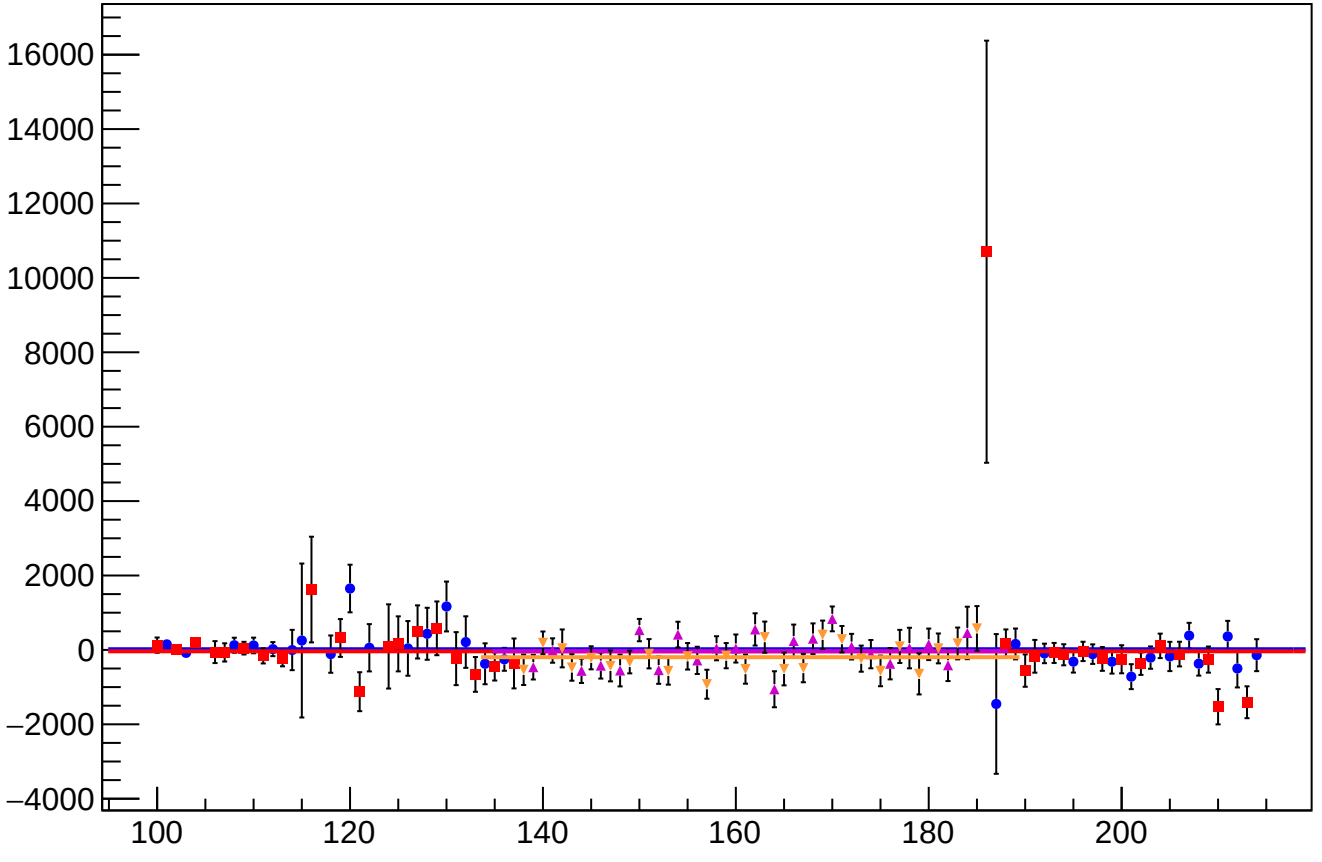
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.327+/-0.007 χ^2/NDF: 1420879.1/54

All: 61.392+/-0.005 χ^2/NDF: 3682440.4/111

\- sign 61.460+/-0.007 χ^2/NDF: 2261390.5/56

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 17.953+/-41.562 χ^2/NDF: 30.4/29

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -37.544+/-43.885 χ^2/NDF: 48.0/33

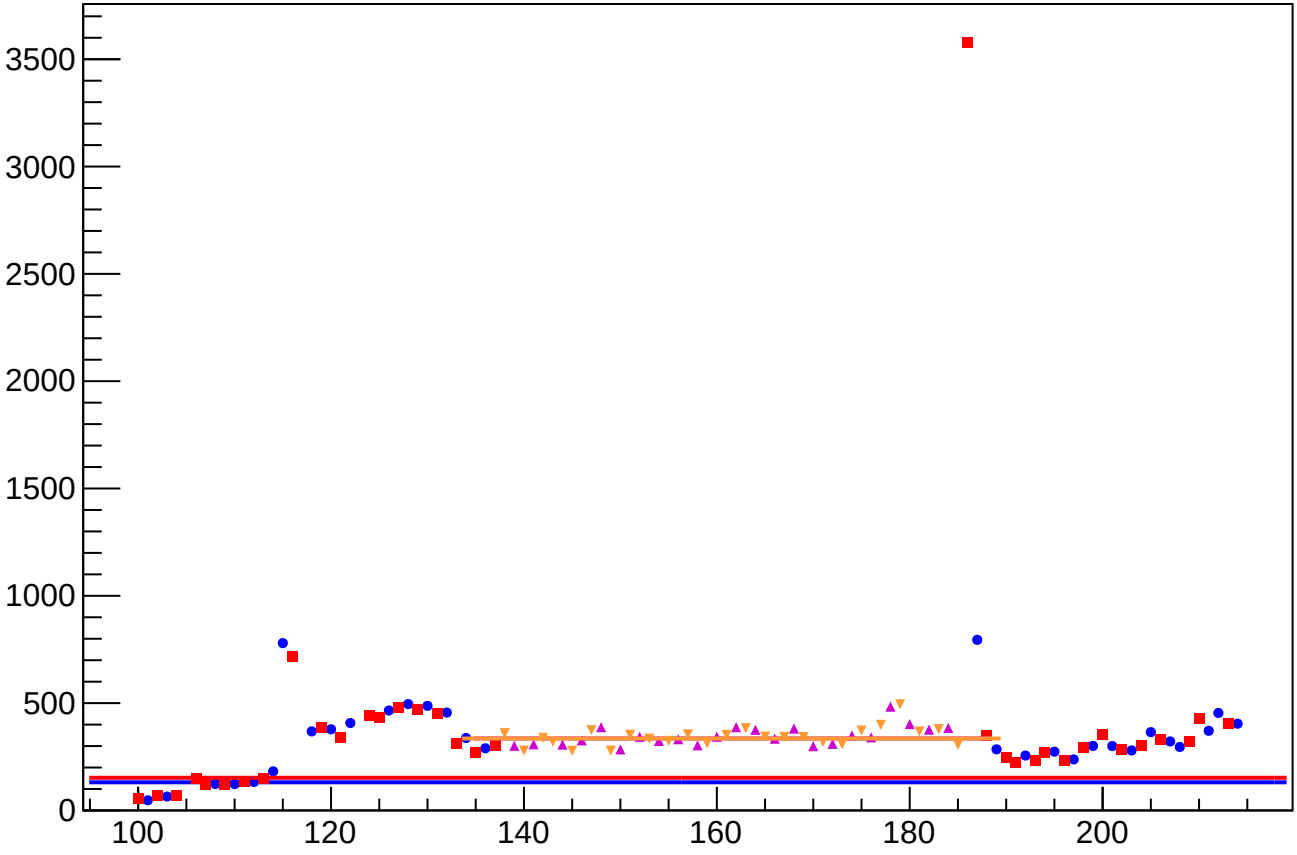
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.220+/-36.584 χ^2/NDF: 57.0/54

All: -33.580+/-26.483 χ^2/NDF: 136.0/111

- sign -37.279+/-38.387 χ^2/NDF: 79.1/56

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 131.176+/-0.029 χ^2/NDF: 15760624.8/29

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 152.287+/-0.031 χ^2/NDF: 13232133.9/33

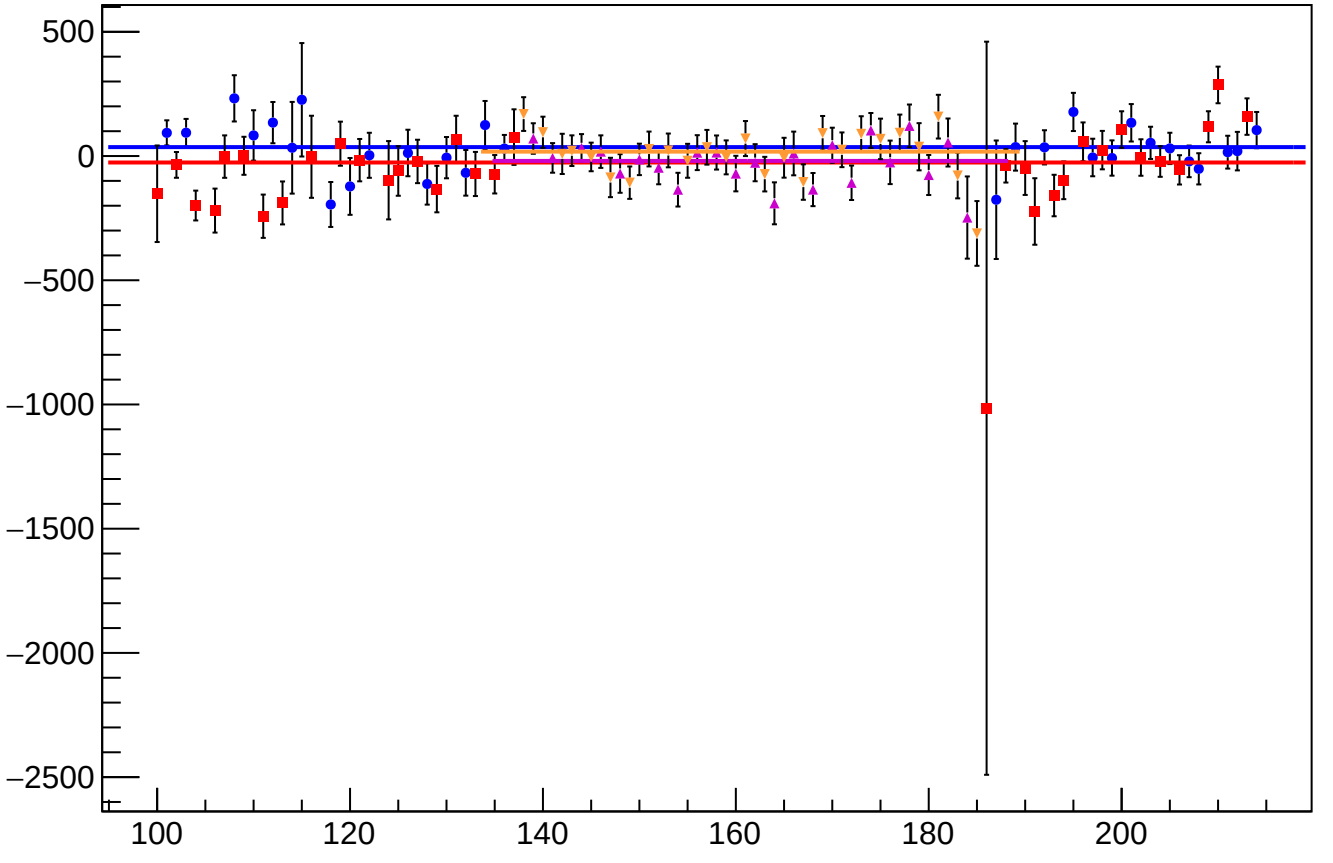
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 177.142+/-0.026 χ^2/NDF: 27186170.9/54

All: 185.795+/-0.019 χ^2/NDF: 49337885.7/11

- sign 195.323+/-0.027 χ^2/NDF: 21916615.5/56

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 35.940+/-14.097 χ^2/NDF: 33.7/29

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -26.015+/-13.994 χ^2/NDF: 69.1/33

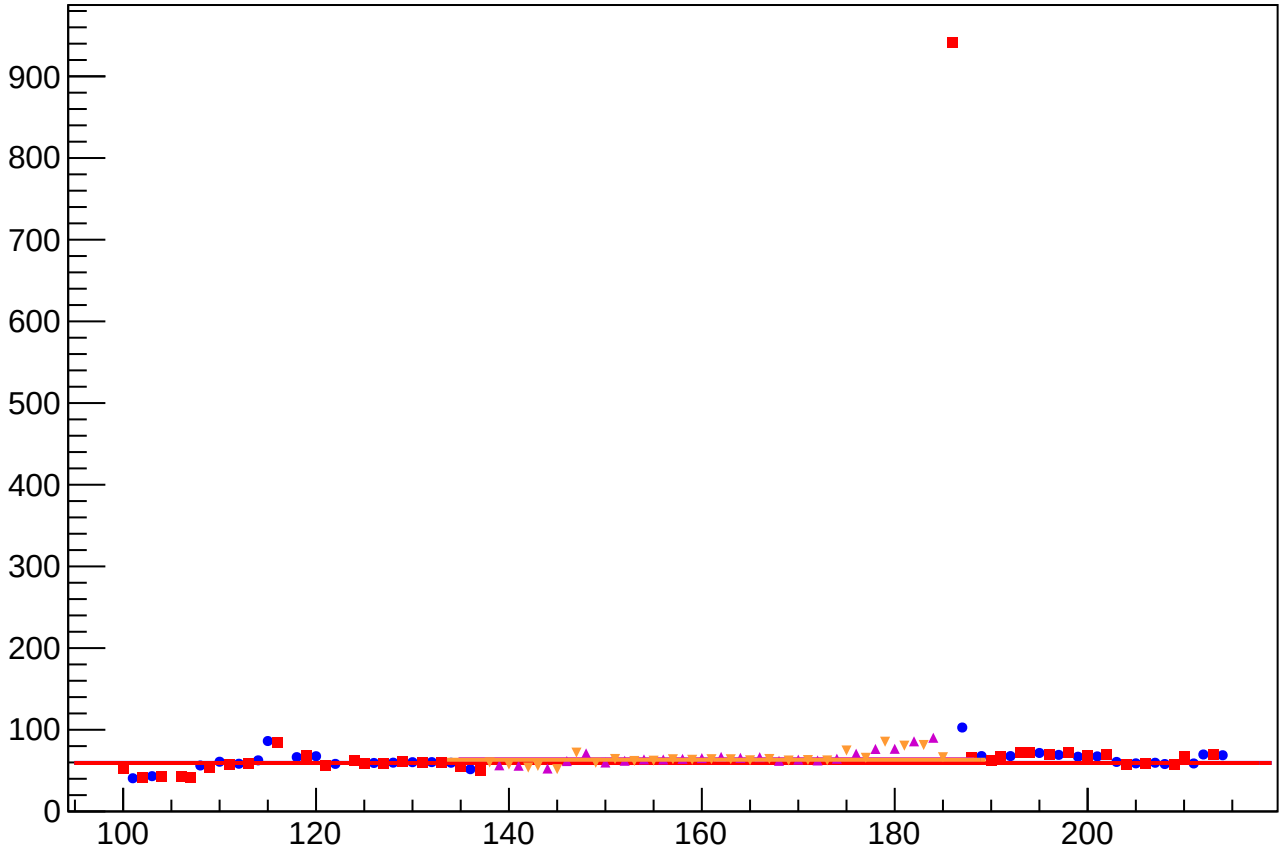
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 27.124+/-10.106 χ^2/NDF: 66.1/54

All: 2.376+/-7.195 χ^2/NDF: 173.7/111

- sign -23.058+/-10.245 χ^2/NDF: 95.5/56

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.449+/-0.010 χ^2/NDF: 850428.1/29

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.332+/-0.010 χ^2/NDF: 1716393.7/33

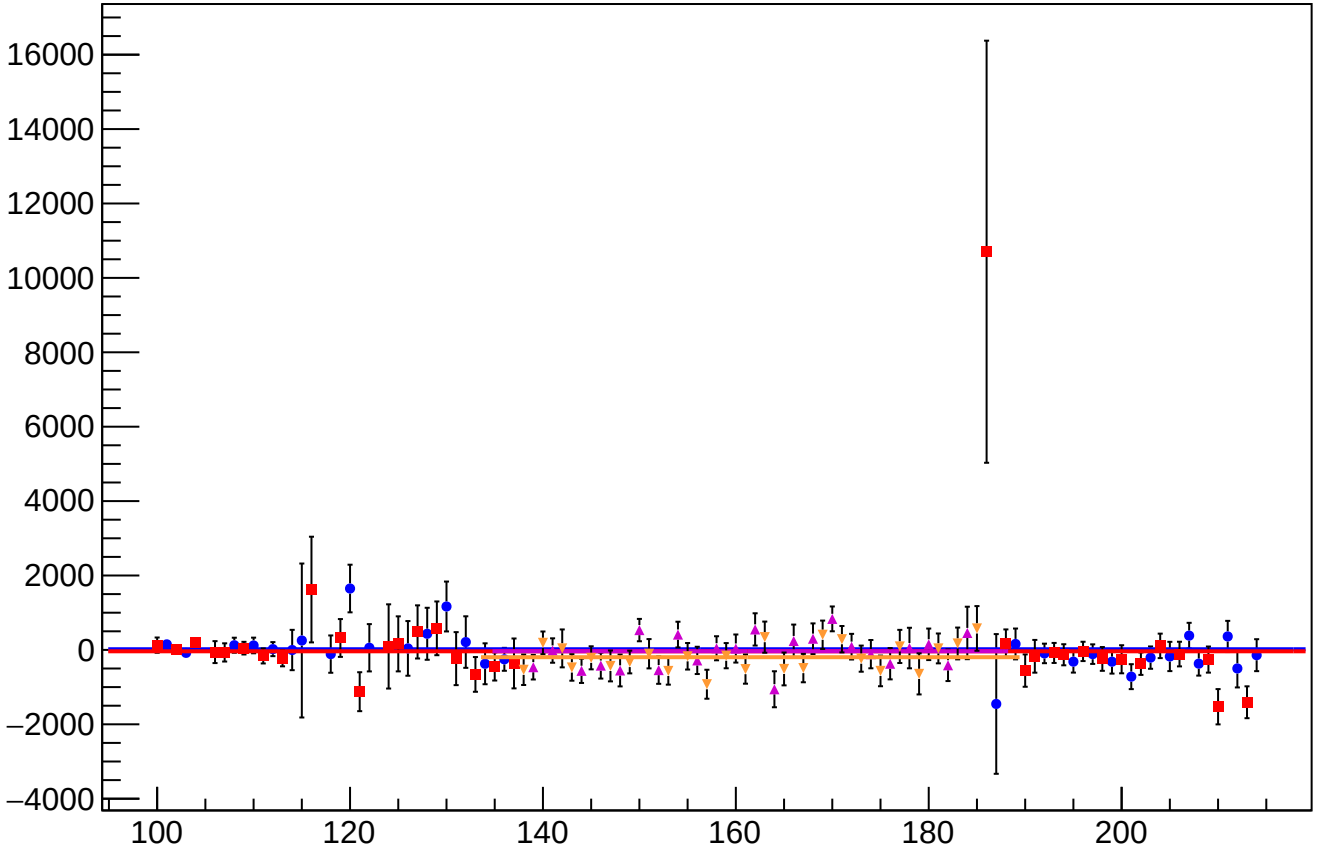
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.327+/-0.007 χ^2/NDF: 1420879.1/54

All: 61.392+/-0.005 χ^2/NDF: 3682440.4/111

\- sign 61.460+/-0.007 χ^2/NDF: 2261390.5/56

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 17.953+/-41.562 χ^2/NDF: 30.4/29

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -37.544+/-43.885 χ^2/NDF: 48.0/33

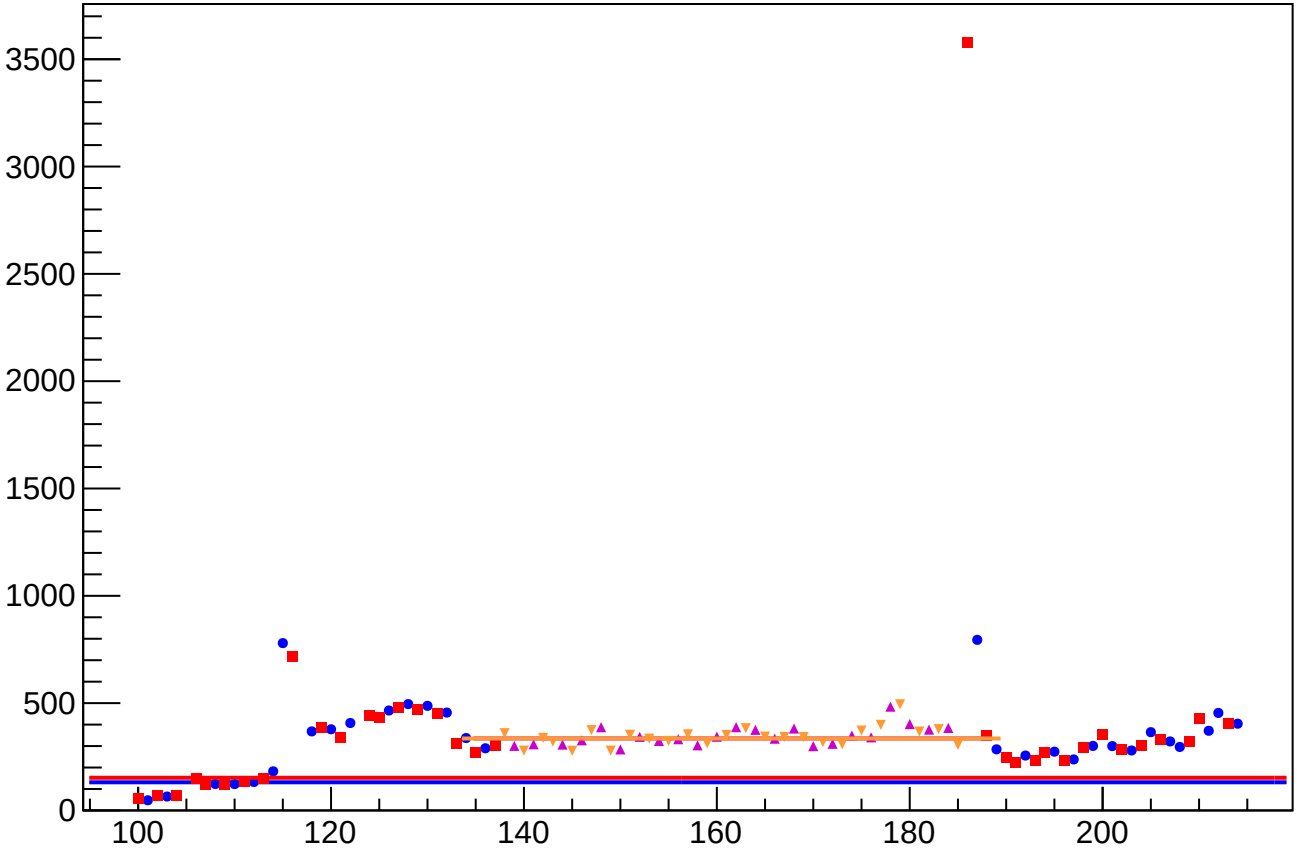
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.220+/-36.584 χ^2/NDF: 57.0/54

All: -33.580+/-26.483 χ^2/NDF: 136.0/111

- sign -37.279+/-38.387 χ^2/NDF: 79.1/56

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 131.176+/-0.029 χ^2/NDF: 15760624.8/29

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 152.287+/-0.031 χ^2/NDF: 13232133.9/33

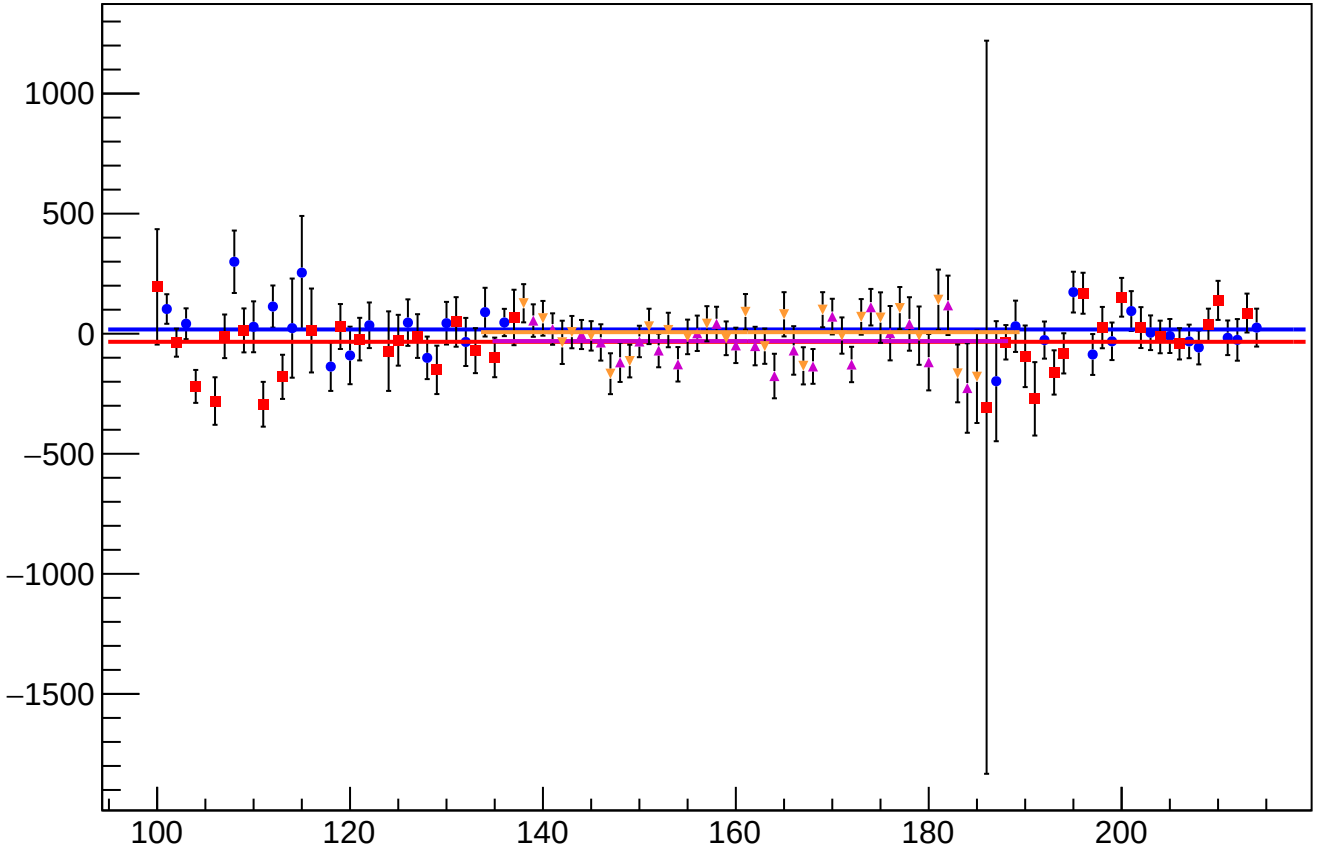
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 177.142+/-0.026 χ^2/NDF: 27186170.9/54

All: 185.795+/-0.019 χ^2/NDF: 49337885.7/11

- sign 195.323+/-0.027 χ^2/NDF: 21916615.5/56

dit_asym_sam_15_avg_mean vs Slug



Right In: 17.721+/-15.594 χ^2/NDF: 24.6/29

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -33.744+/-15.352 χ^2/NDF: 53.9/33

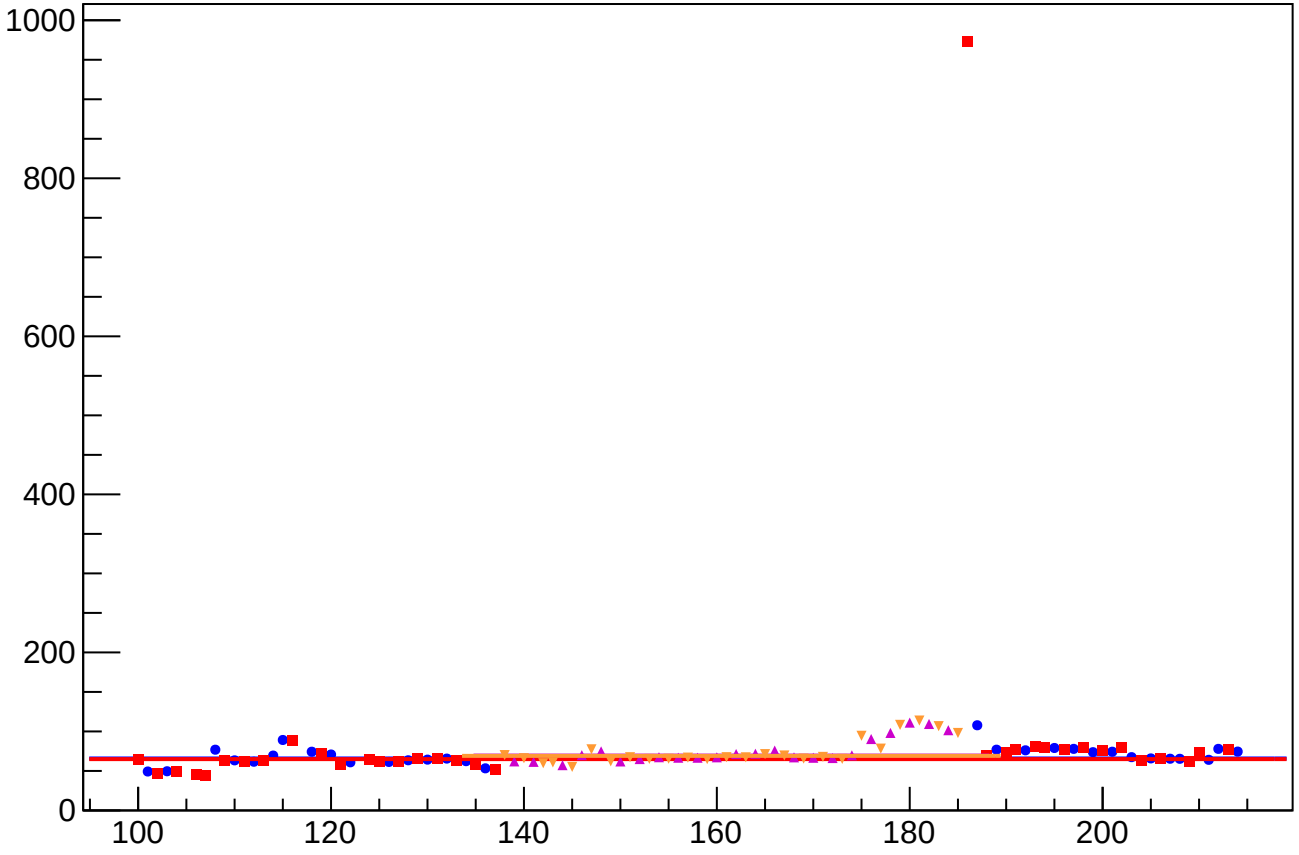
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 12.232+/-11.160 χ^2/NDF: 49.9/54

All: -9.881+/-7.919 χ^2/NDF: 134.2/111

- sign -32.314+/-11.240 χ^2/NDF: 76.4/56

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.769+/-0.011 χ^2/NDF: 750393.3/29

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.975+/-0.011 χ^2/NDF: 1709347.6/33

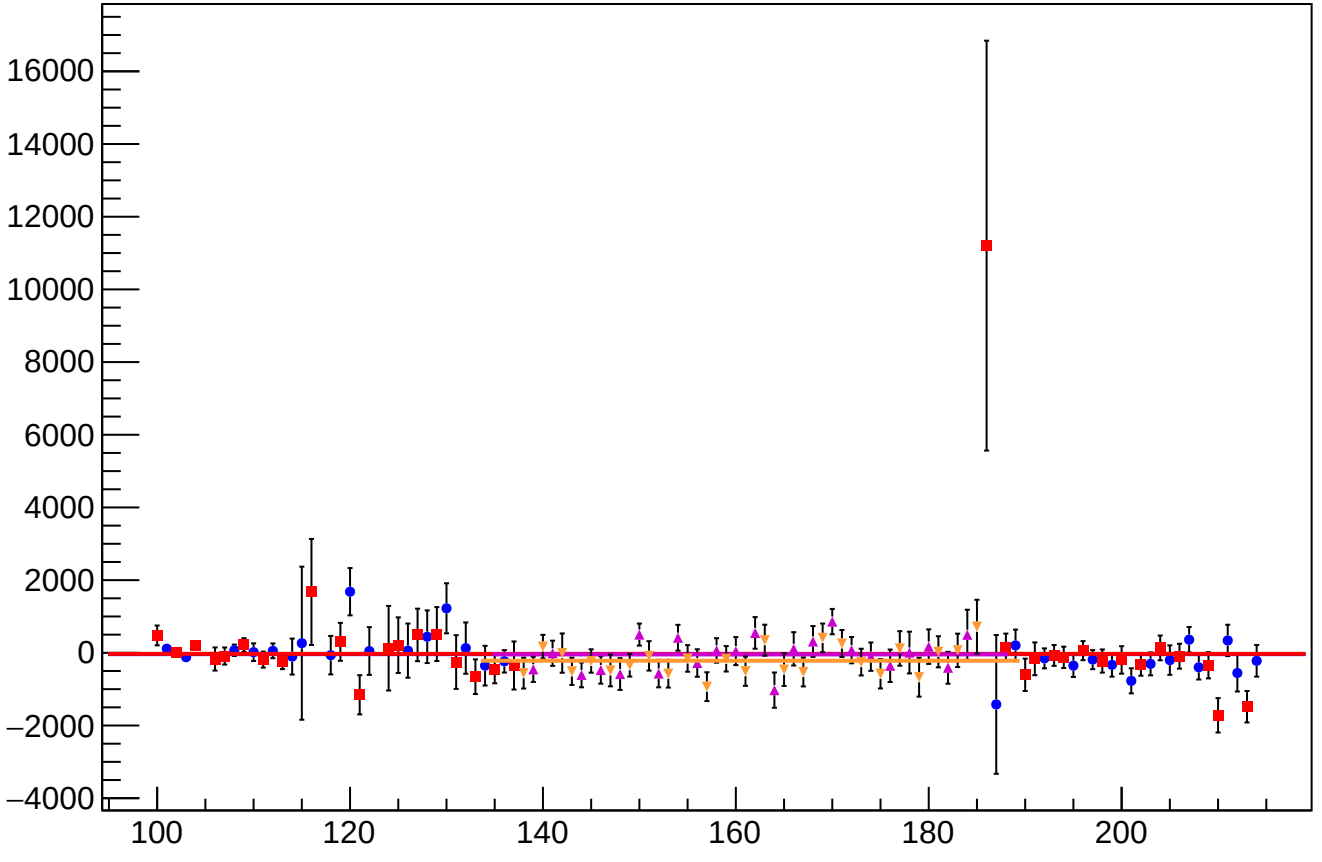
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.384+/-0.008 χ^2/NDF: 1868339.1/54

All: 67.215+/-0.006 χ^2/NDF: 4581545.1/111

- sign 67.045+/-0.008 χ^2/NDF: 2712291.3/56

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -35.797+/-46.752 χ^2/NDF: 28.8/29

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -28.213+/-46.101 χ^2/NDF: 56.1/33

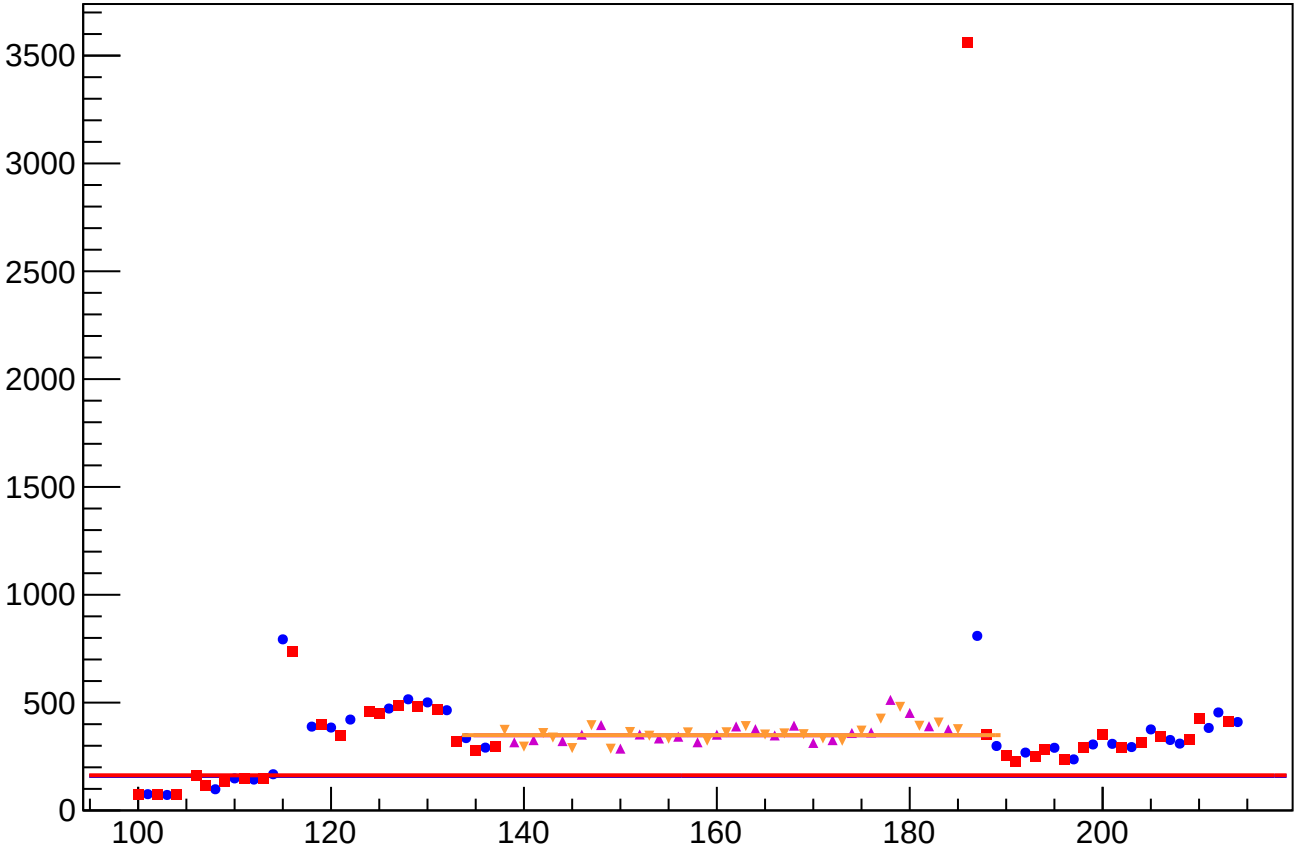
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -81.901+/-40.381 χ^2/NDF: 52.0/54

All: -56.542+/-28.495 χ^2/NDF: 138.8/111

\- sign -31.392+/-40.215 χ^2/NDF: 86.1/56

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 159.921+/-0.033 χ^2/NDF: 12846520.0/29

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 162.928+/-0.033 χ^2/NDF: 12519558.4/33

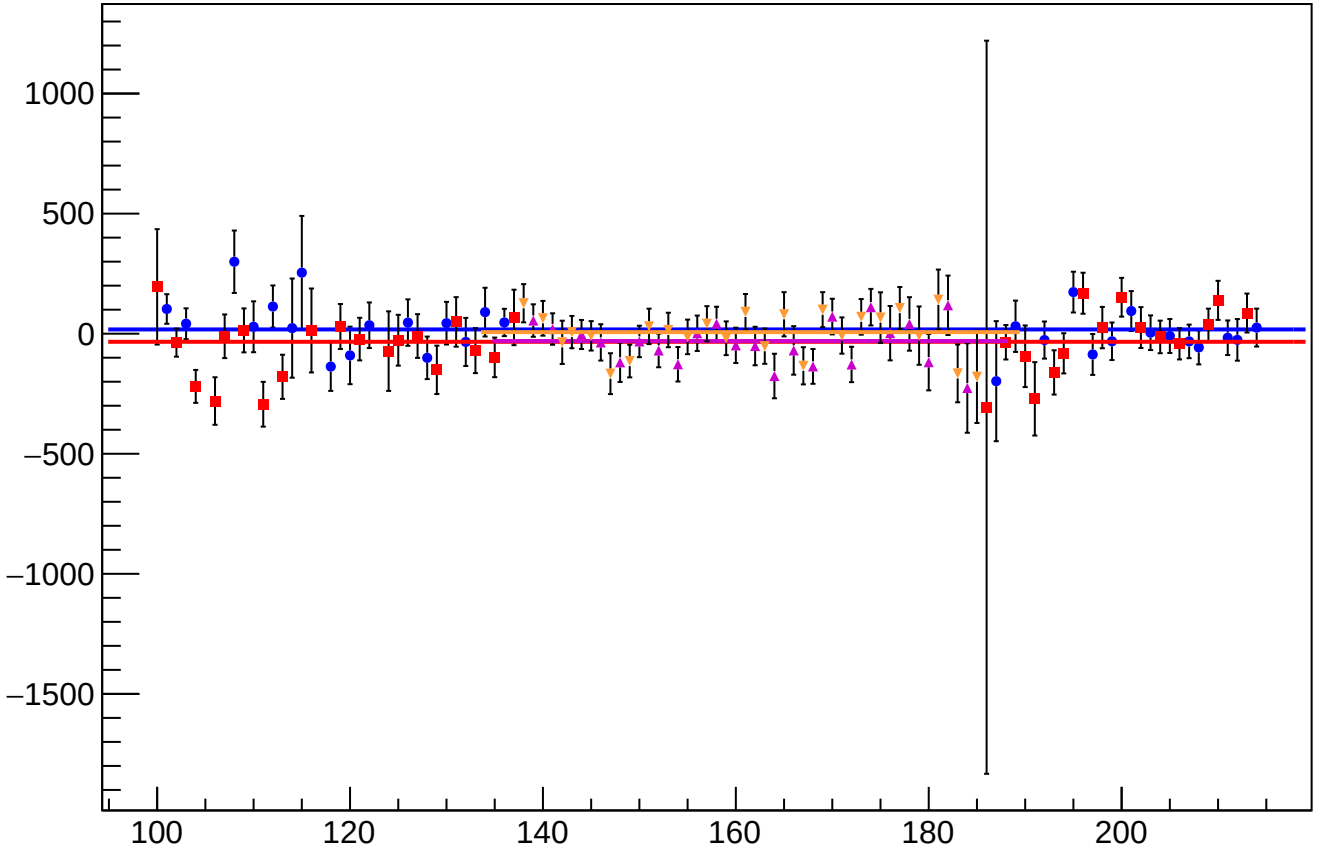
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 207.981+/-0.029 χ^2/NDF: 21693484.1/54

All: 207.639+/-0.020 χ^2/NDF: 42490239.2/11

- sign 207.299+/-0.028 χ^2/NDF: 20796468.6/56

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 17.721+/-15.594 χ^2/NDF: 24.6/29

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -33.744+/-15.352 χ^2/NDF: 53.9/33

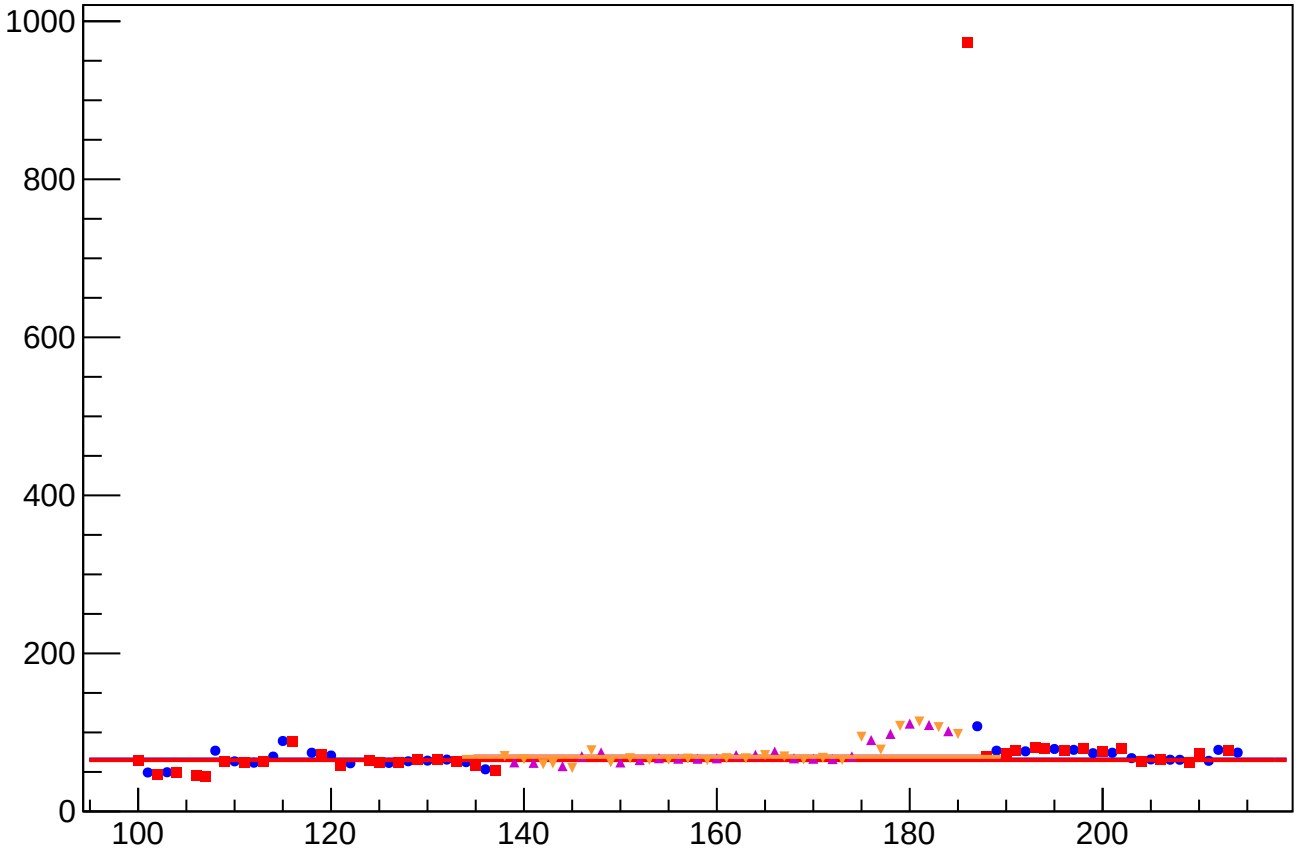
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 12.232+/-11.160 χ^2/NDF: 49.9/54

All: -9.880+/-7.919 χ^2/NDF: 134.2/111

- sign -32.314+/-11.240 χ^2/NDF: 76.4/56

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.769+/-0.011 χ^2/NDF: 750390.9/29

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.975+/-0.011 χ^2/NDF: 1709345.9/33

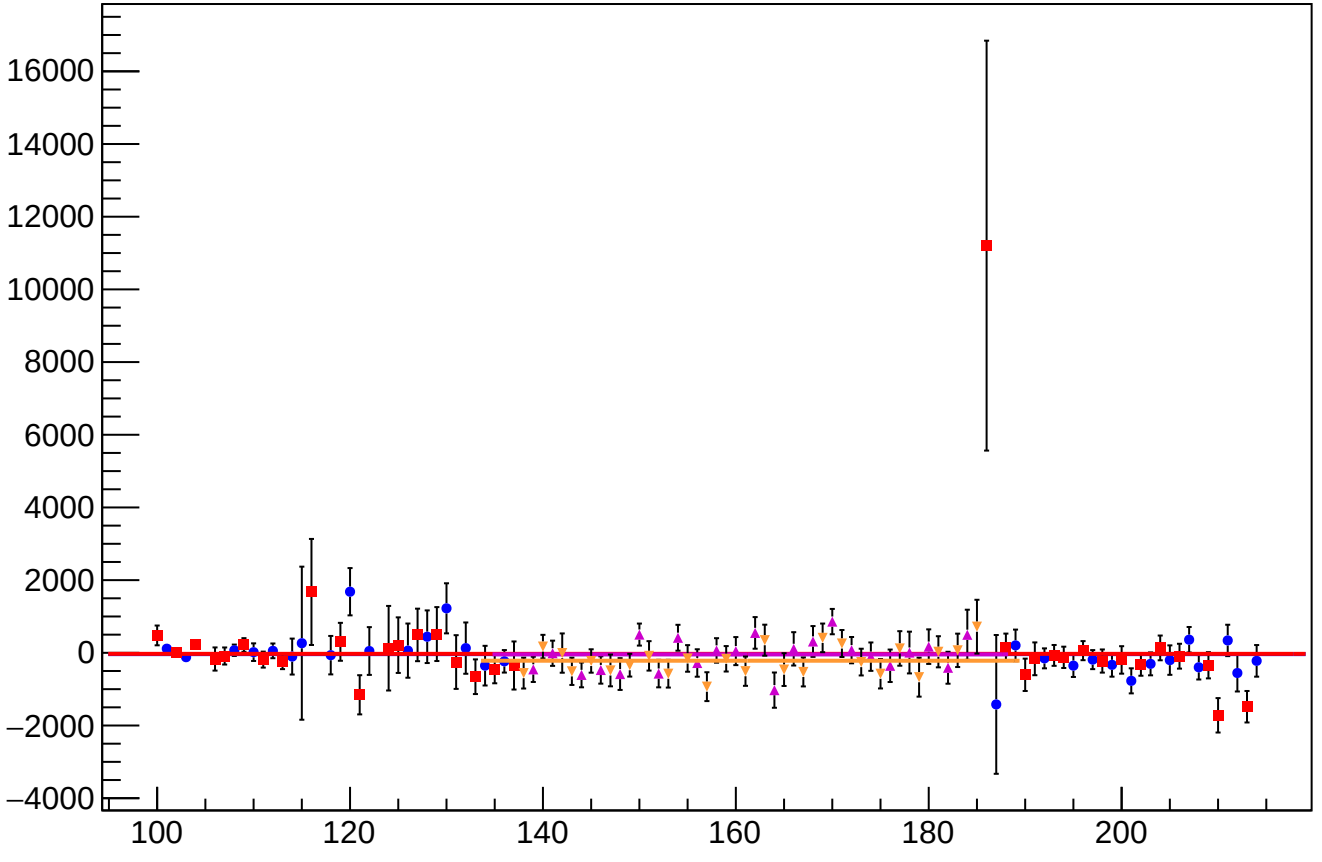
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.384+/-0.008 χ^2/NDF: 1868323.4/54

All: 67.215+/-0.006 χ^2/NDF: 4581519.9/111

- sign 67.045+/-0.008 χ^2/NDF: 2712282.0/56

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -35.797+/-46.751 χ^2/NDF: 28.8/29

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

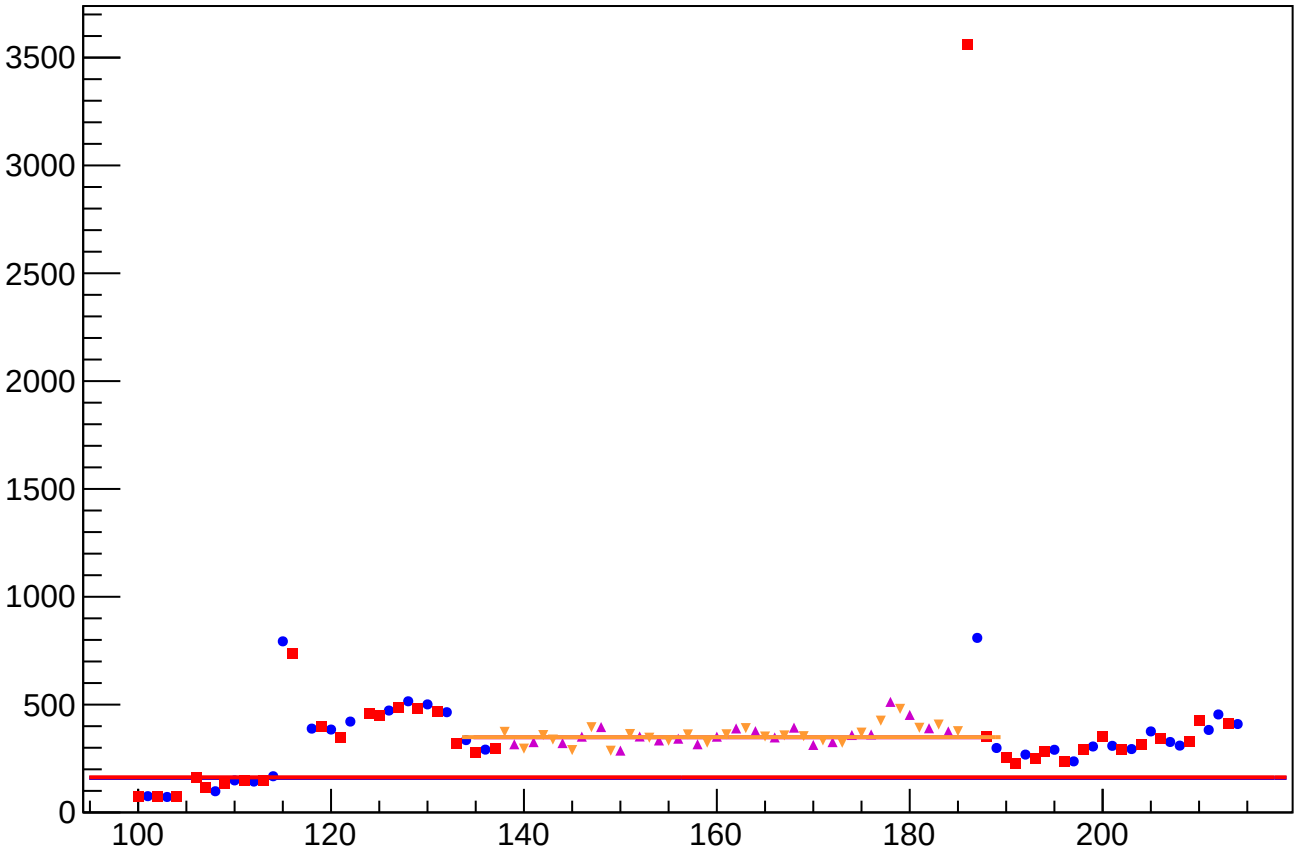
Right Out: -28.213+/-46.101 χ^2/NDF: 56.1/33

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -81.901+/-40.381 χ^2/NDF: 52.0/54

All: -56.542+/-28.495 χ^2/NDF: 138.8/111

- sign -31.391+/-40.215 χ^2/NDF: 86.1/56



Right In: 159.921+/-0.033 χ^2/NDF: 12846530.0/29

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 162.928+/-0.033 χ^2/NDF: 12519601.7/33

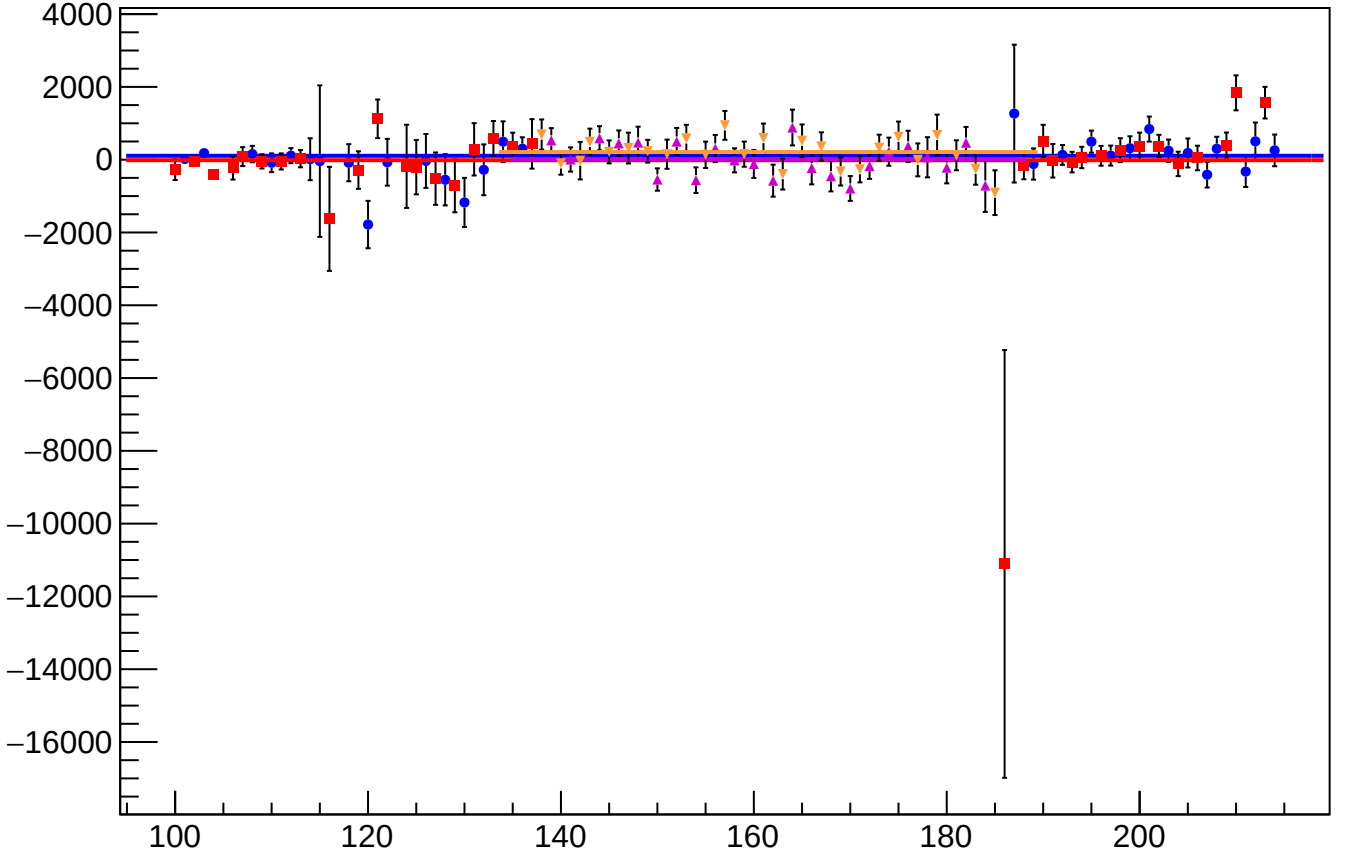
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 207.981+/-0.029 χ^2/NDF: 21693548.8/54

All: 207.638+/-0.020 χ^2/NDF: 42490415.7/11

- sign 207.299+/-0.028 χ^2/NDF: 20796580.1/56

asym_sam_15_avg_mean vs Slug



Right In: 106.900+/-50.283 χ^2/NDF: 28.0/29

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -14.420+/-49.156 χ^2/NDF: 62.5/33

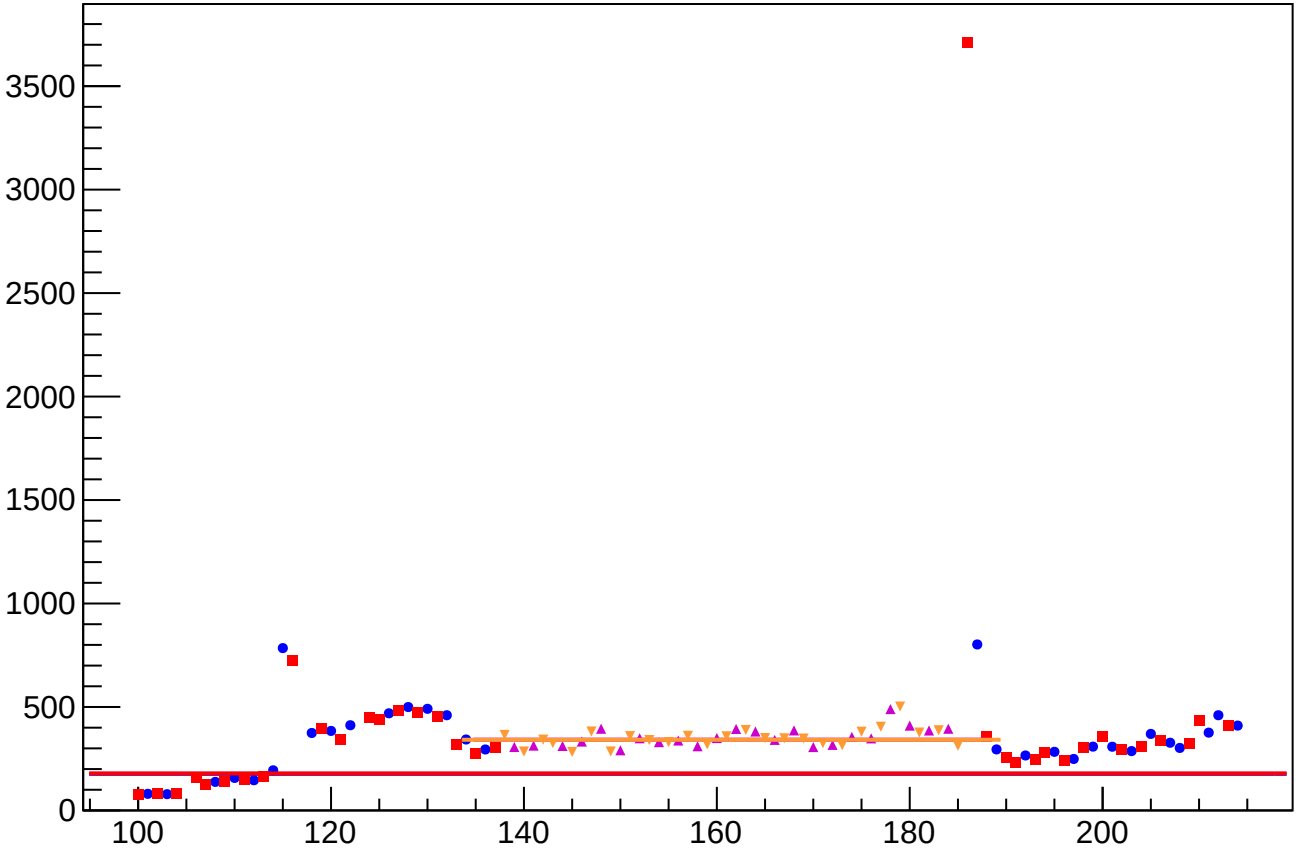
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 136.836+/-42.343 χ^2/NDF: 50.7/54

All: 65.084+/-29.812 χ^2/NDF: 151.0/111

- sign -5.447+/-41.981 χ^2/NDF: 94.6/56

asym_sam_15_avg_rms vs Slug



Right In: 177.183+/-0.036 χ^2/NDF: 11265214.7/29

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

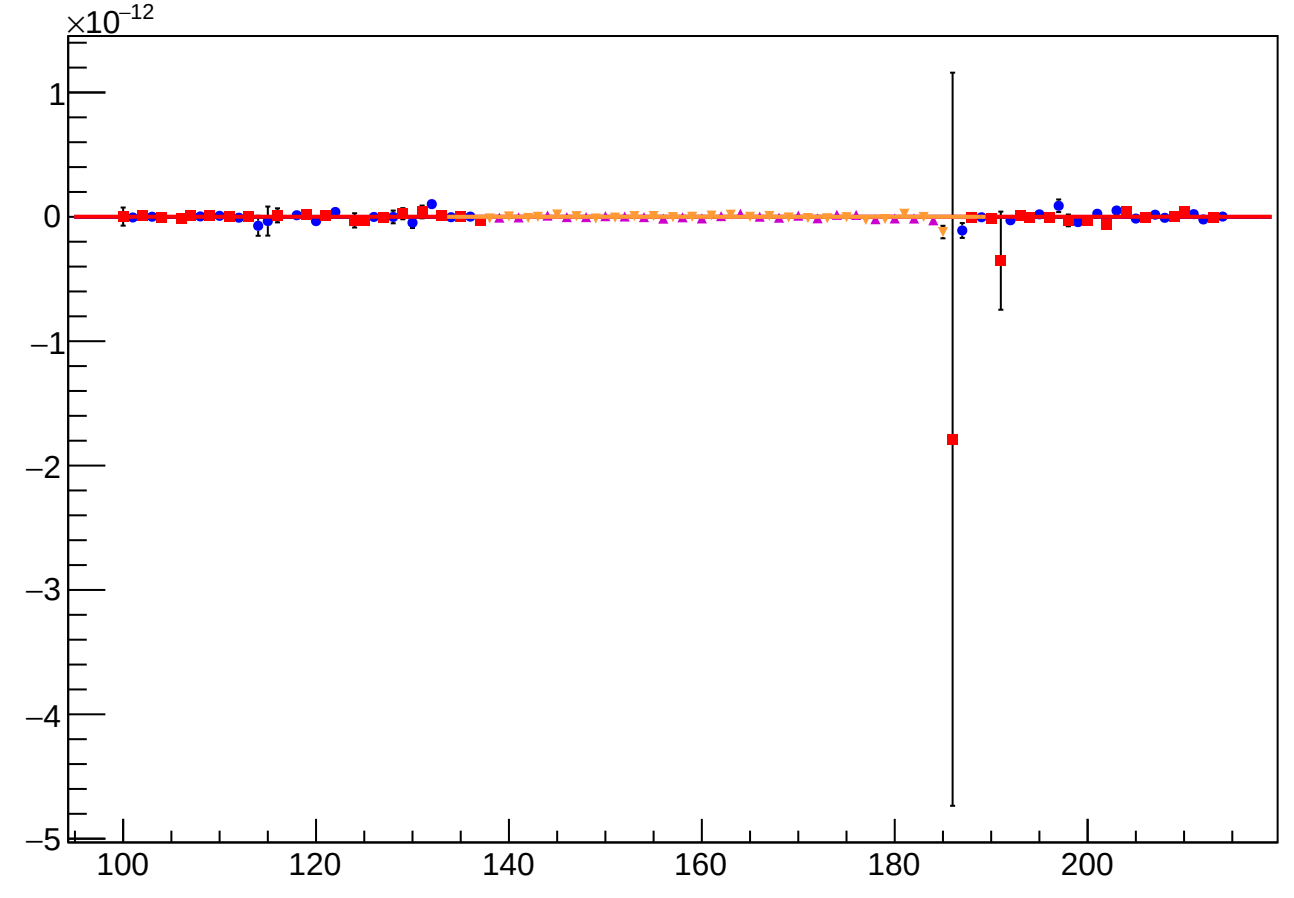
Right Out: 178.639+/-0.035 χ^2/NDF: 11003670.2/33

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

\+ sign 225.003+/-0.030 χ^2/NDF: 18038251.0/54

All: 223.909+/-0.021 χ^2/NDF: 35503666.6/11

\- sign 222.833+/-0.030 χ^2/NDF: 17462768.1/56



Right In: -0.000+/-0.000 χ^2/NDF: 38.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

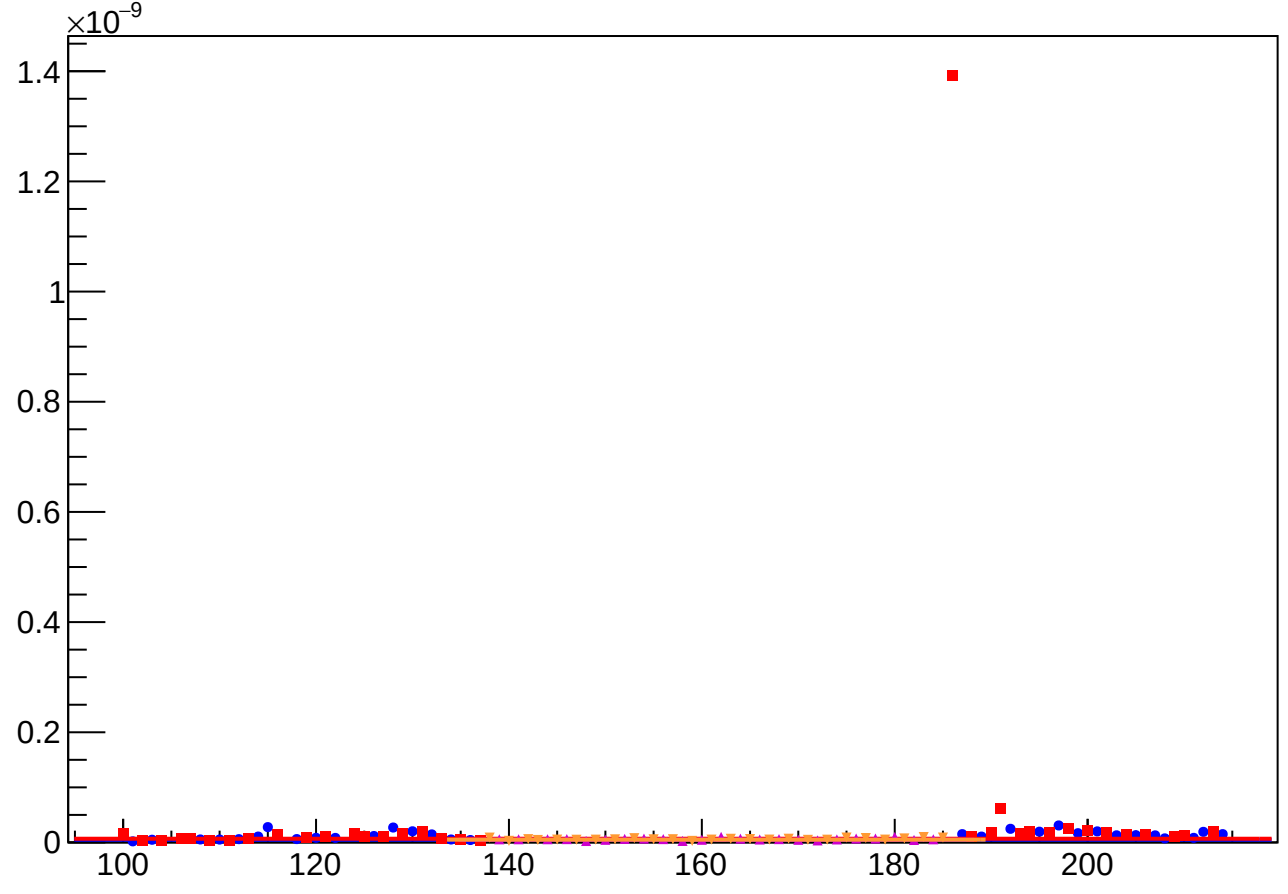
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/33

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.7/54

All: -0.000+/-0.000 χ^2/NDF: 112.1/111

- sign -0.000+/-0.000 χ^2/NDF: 45.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 7013866.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5674985.7/33

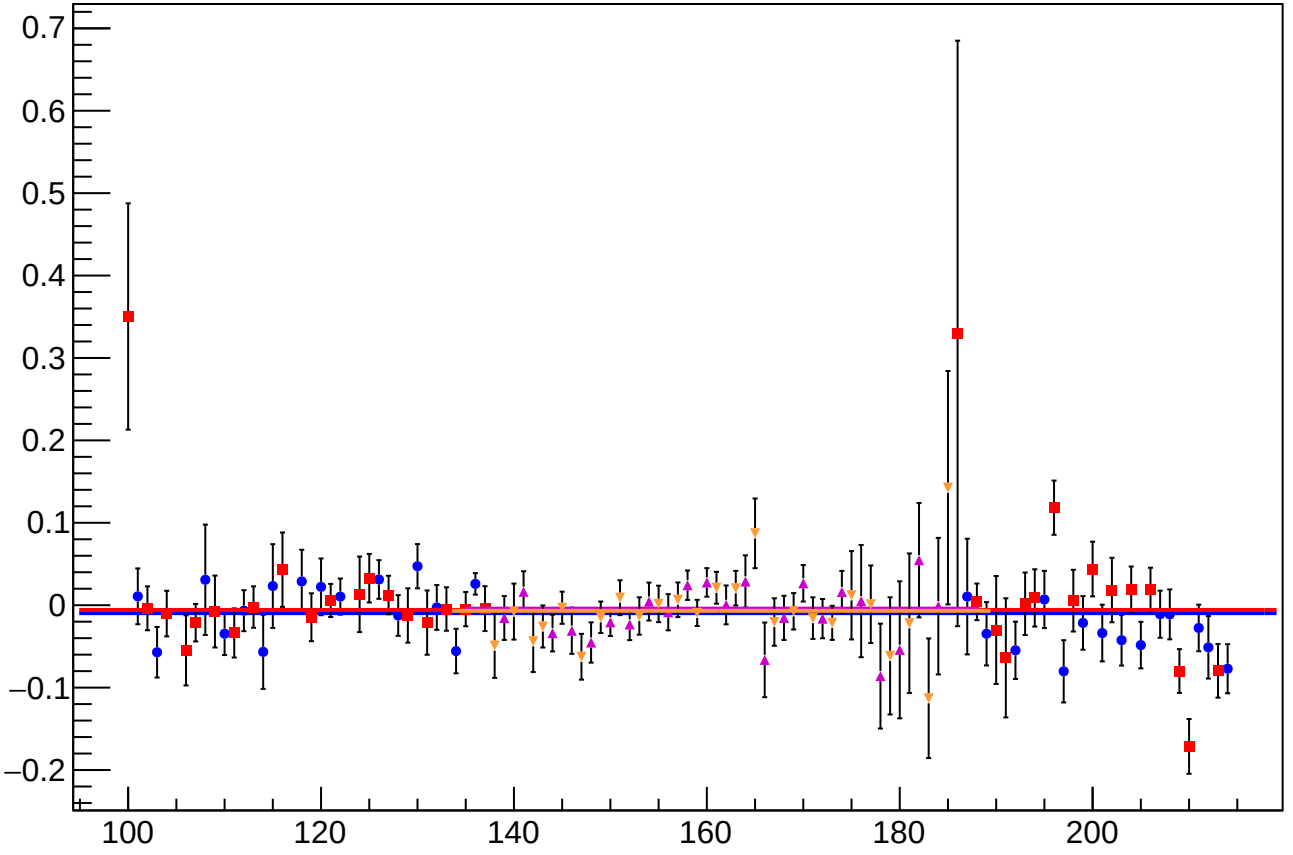
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8308702.0/54

All: 0.000+/-0.000 χ^2/NDF: 15821941.1/111

- sign 0.000+/-0.000 χ^2/NDF: 7387696.1/56

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.005 χ^2/NDF: 42.5/29

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.006+/-0.005 χ^2/NDF: 72.2/33

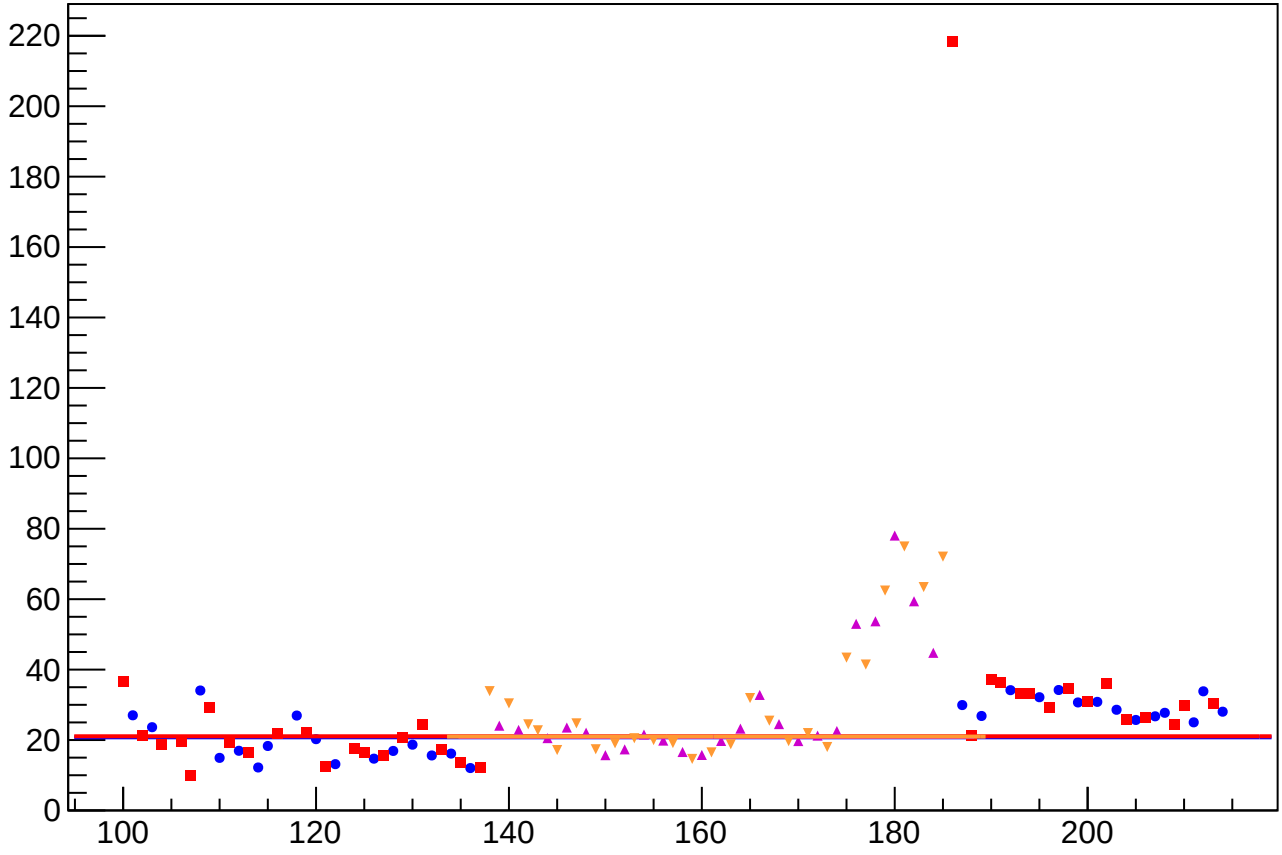
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 64.4/54

All: -0.007+/-0.003 χ^2/NDF: 160.2/111

- sign -0.005+/-0.004 χ^2/NDF: 95.4/56

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 20.773+/-0.004 χ^2/NDF: 3897922.7/29

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

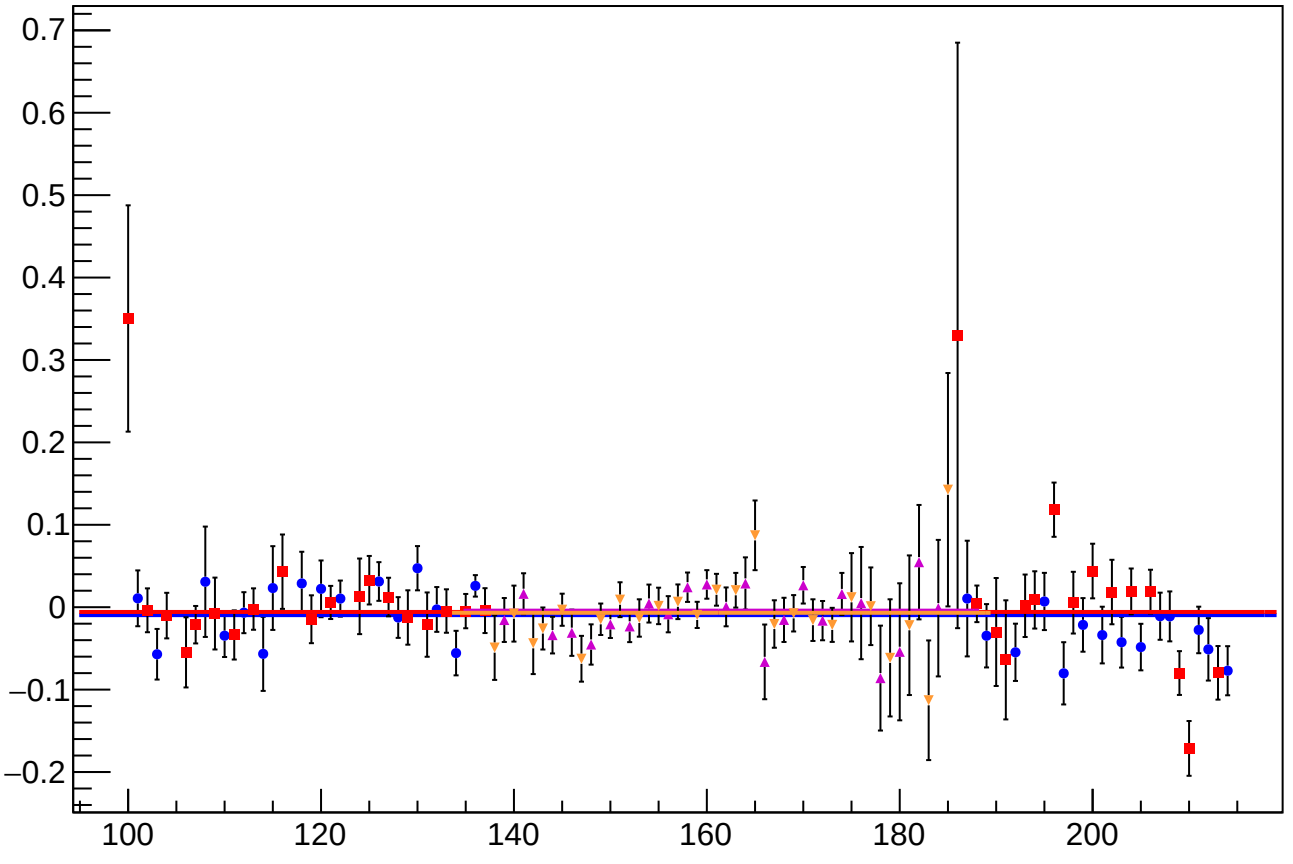
Right Out: 21.068+/-0.004 χ^2/NDF: 4312885.4/33

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.879+/-0.003 χ^2/NDF: 8366503.6/54

All: 20.923+/-0.002 χ^2/NDF: 16216290.7/111

- sign 20.968+/-0.003 χ^2/NDF: 7849205.2/56



Right In: -0.010+/-0.005 χ^2/NDF: 42.5/29

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.006+/-0.005 χ^2/NDF: 72.2/33

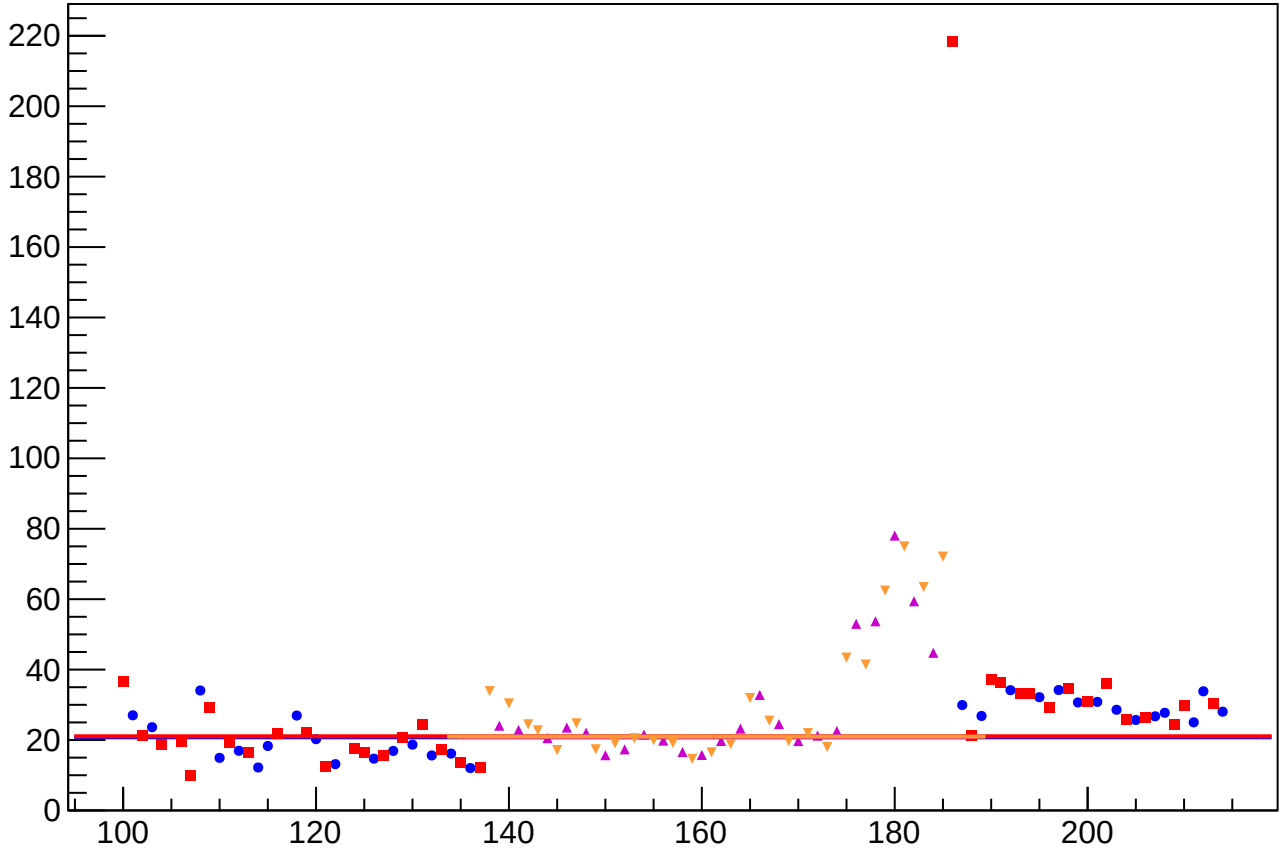
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 64.4/54

All: -0.007+/-0.003 χ^2/NDF: 160.2/111

- sign -0.005+/-0.004 χ^2/NDF: 95.4/56

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 20.773+/-0.004 χ^2/NDF: 3897922.7/29

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

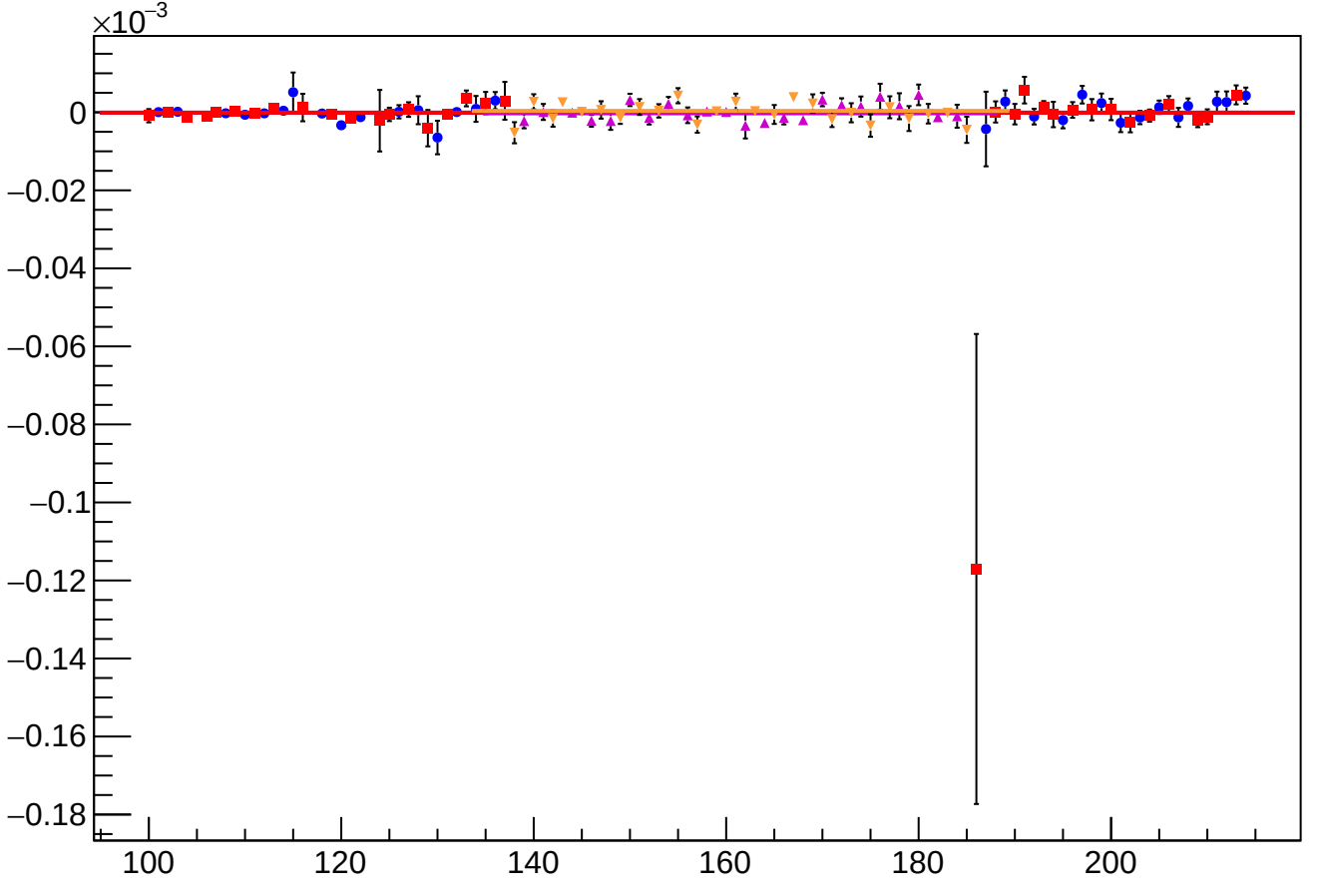
Right Out: 21.068+/-0.004 χ^2/NDF: 4312885.4/33

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.879+/-0.003 χ^2/NDF: 8366503.6/54

All: 20.923+/-0.002 χ^2/NDF: 16216290.7/111

- sign 20.968+/-0.003 χ^2/NDF: 7849205.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

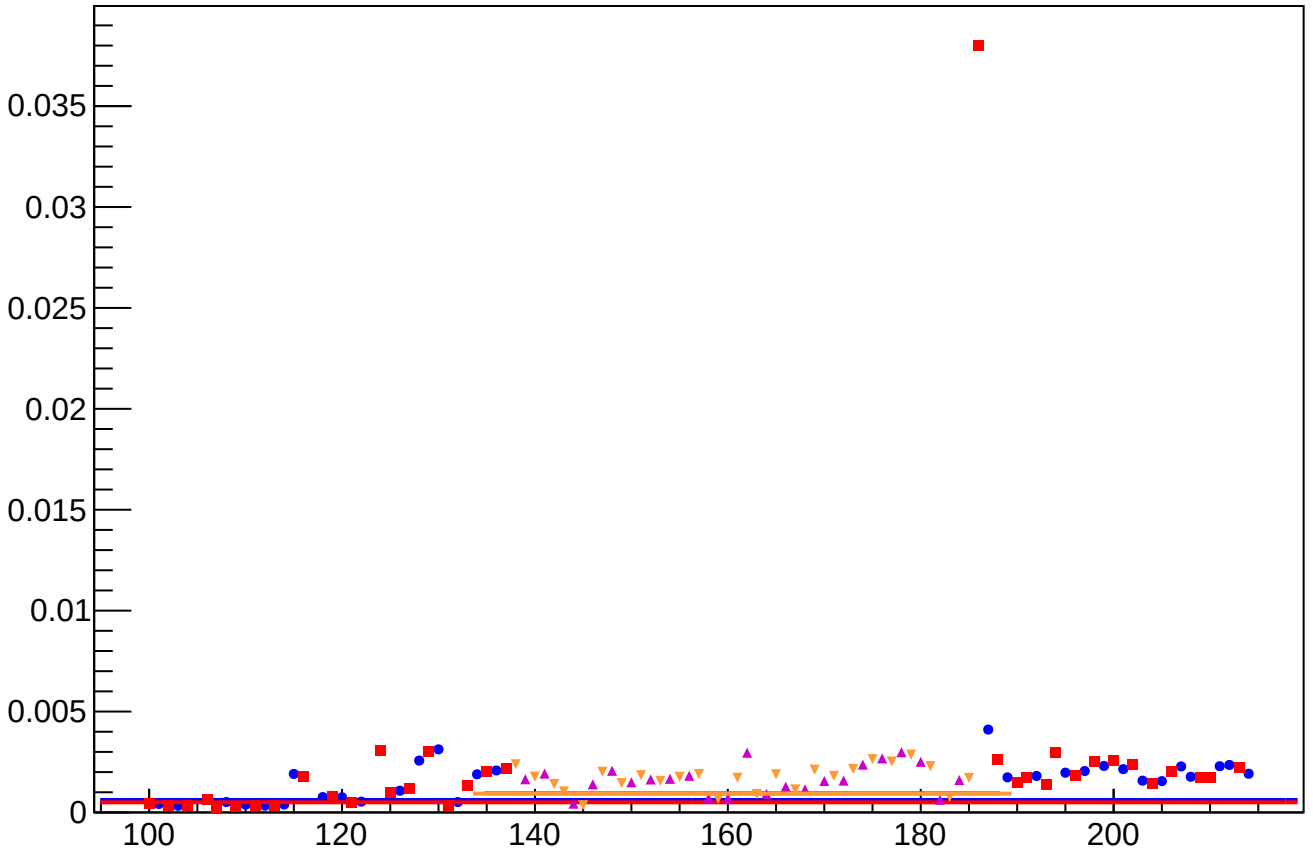
Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/33

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/54

All: -0.000+/-0.000 χ^2/NDF: 136.4/111

- sign -0.000+/-0.000 χ^2/NDF: 67.0/56



Right In: 0.001+/-0.000 χ^2/NDF: 15087123.6/29

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

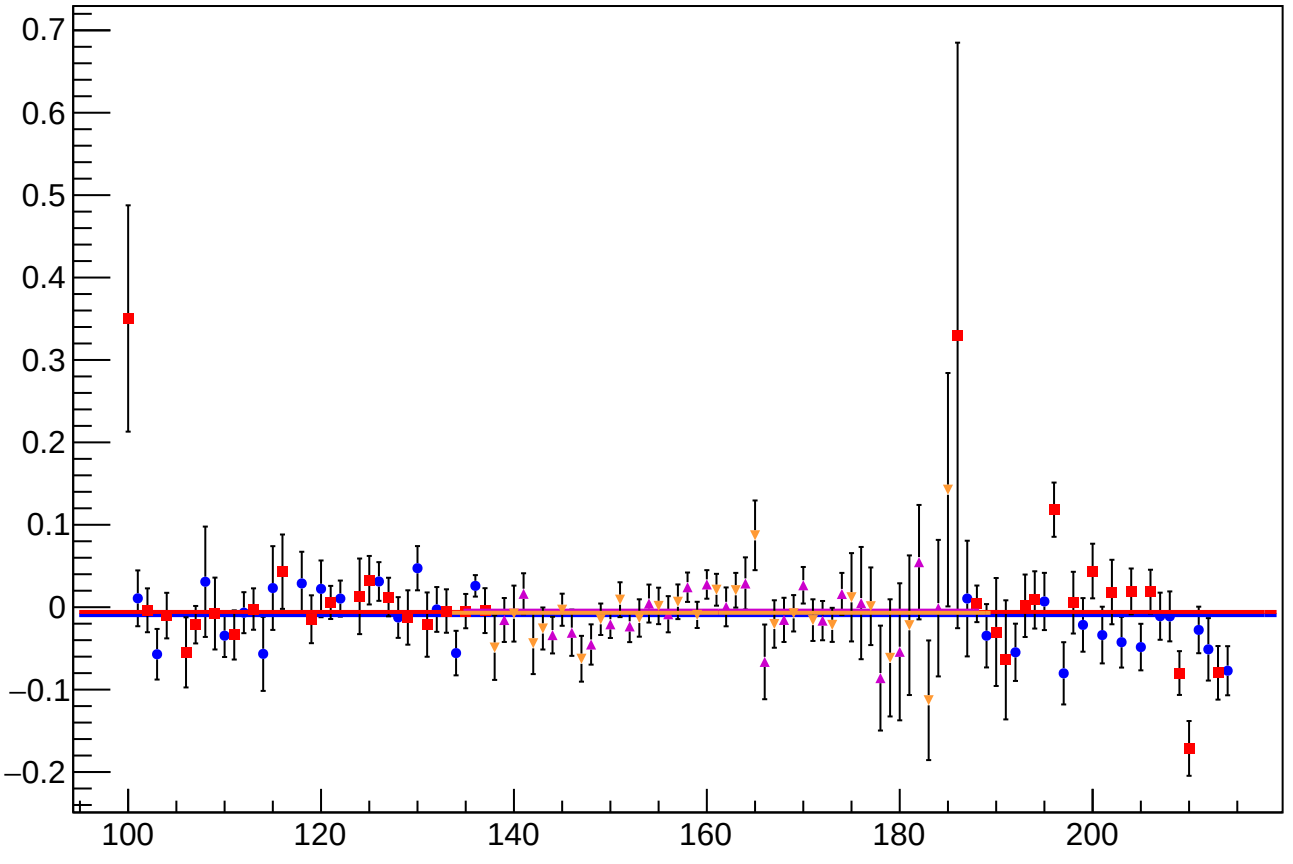
Right Out: 0.001+/-0.000 χ^2/NDF: 17942891.1/33

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 28936421.2/54

All: 0.001+/-0.000 χ^2/NDF: 60918646.8/111

- sign 0.001+/-0.000 χ^2/NDF: 31507549.5/56



Right In: -0.010+/-0.005 χ^2/NDF: 42.5/29

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.006+/-0.005 χ^2/NDF: 72.2/33

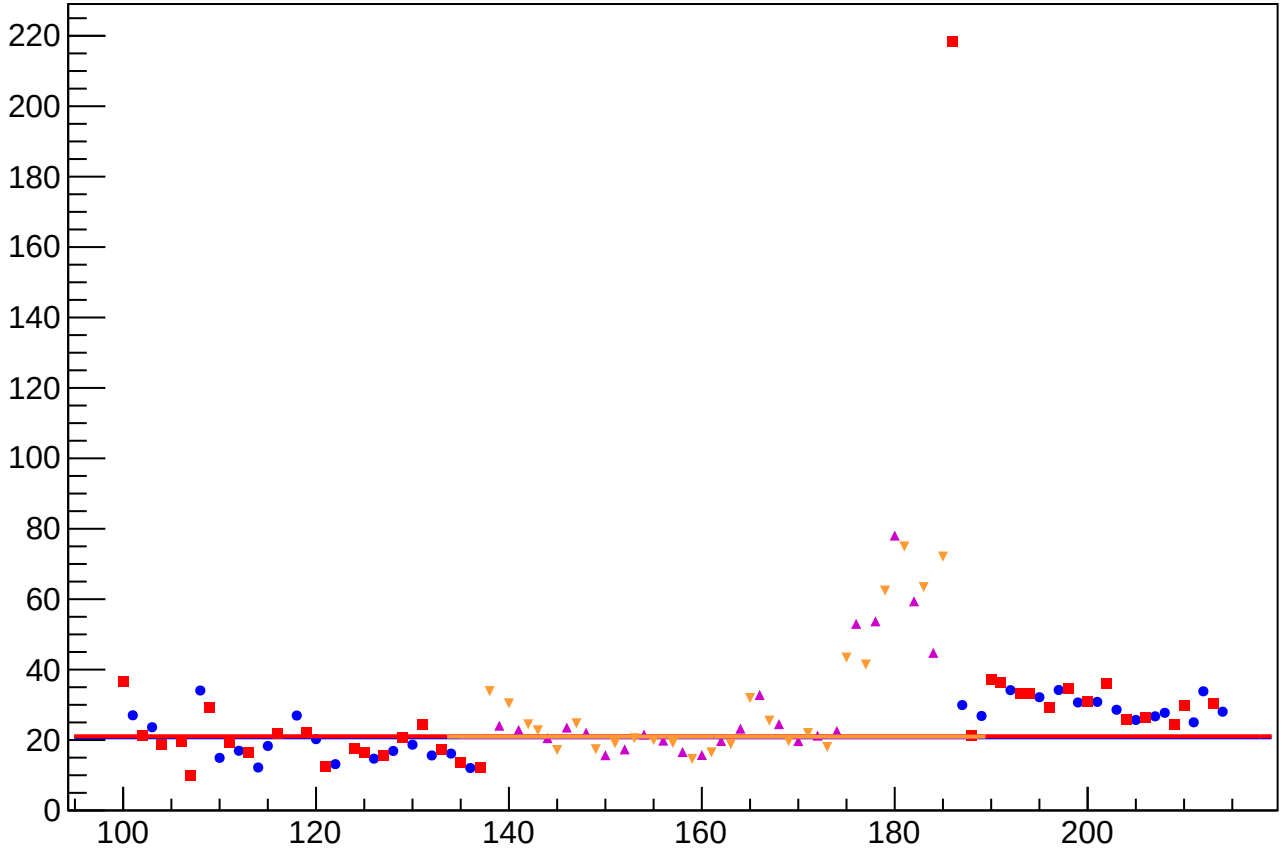
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 64.4/54

All: -0.007+/-0.003 χ^2/NDF: 160.2/111

- sign -0.005+/-0.004 χ^2/NDF: 95.4/56

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 20.773+/-0.004 χ^2/NDF: 3897918.6/29

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

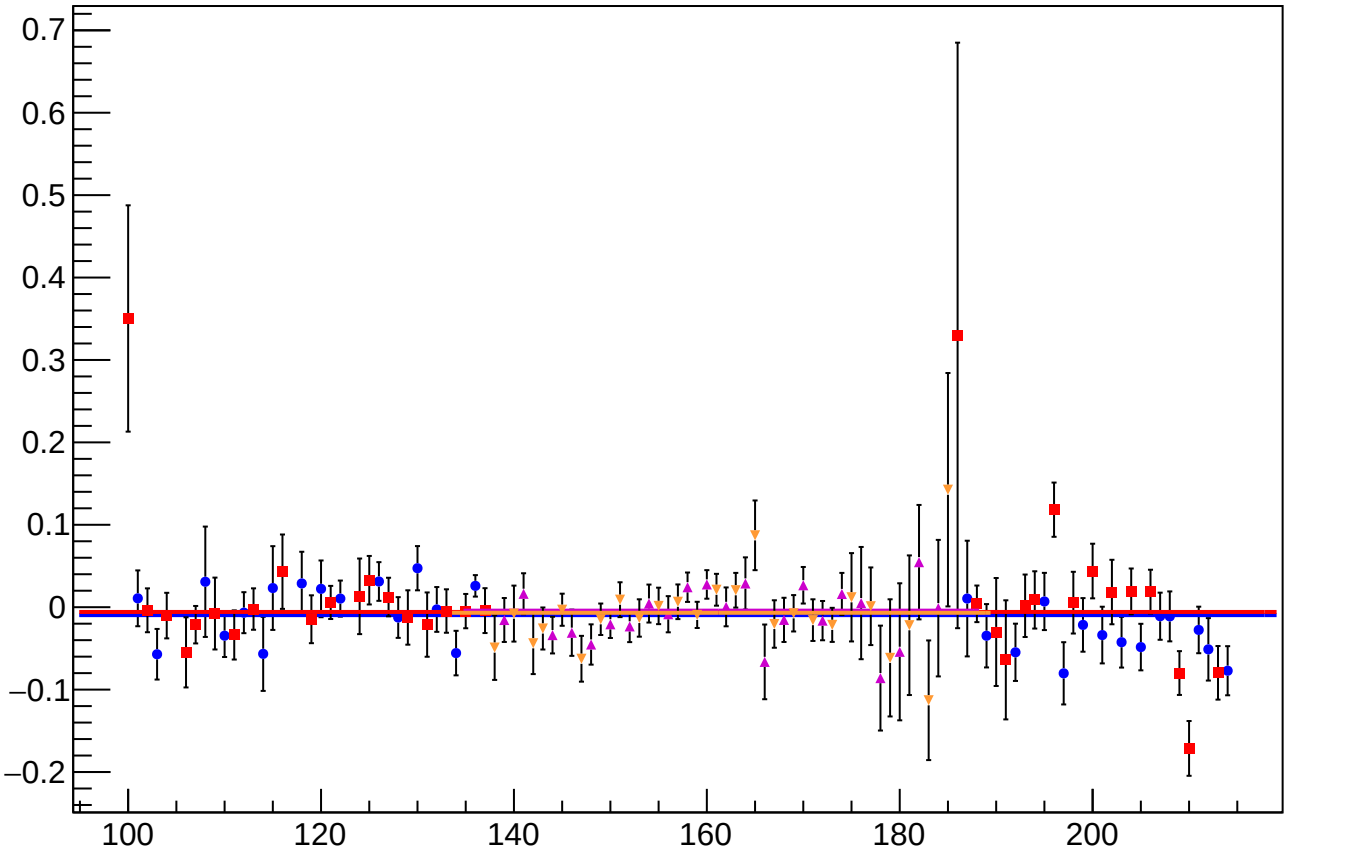
Right Out: 21.068+/-0.004 χ^2/NDF: 4312893.6/33

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.879+/-0.003 χ^2/NDF: 8366477.7/54

All: 20.923+/-0.002 χ^2/NDF: 16216313.0/111

- sign 20.968+/-0.003 χ^2/NDF: 7849254.3/56



Right In: -0.010+/-0.005 χ^2/NDF: 42.5/29

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

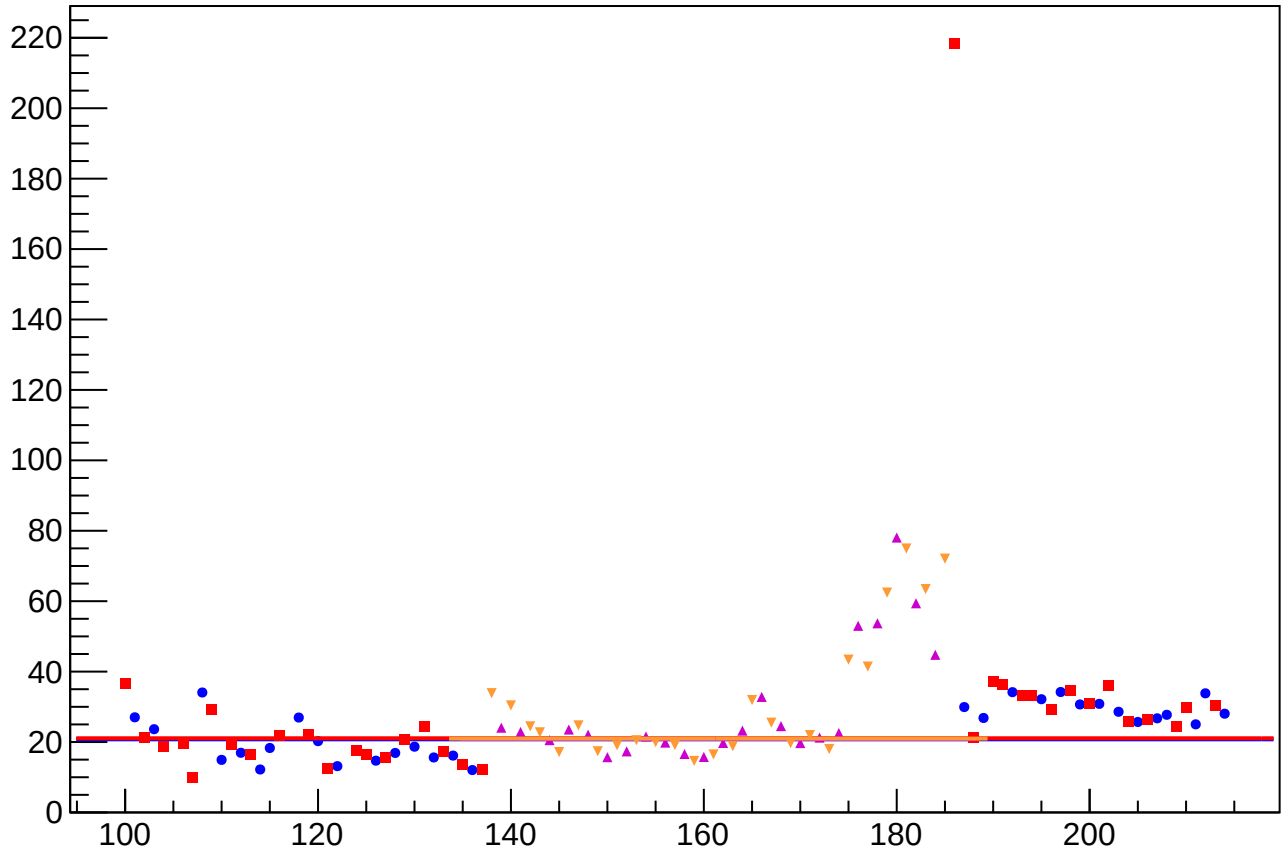
Right Out: -0.006+/-0.005 χ^2/NDF: 72.2/33

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.008+/-0.004 χ^2/NDF: 64.4/54

All: -0.007+/-0.003 χ^2/NDF: 160.2/111

- sign -0.005+/-0.004 χ^2/NDF: 95.4/56



Right In: 20.773+/-0.004 χ^2/NDF: 3897918.6/29

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

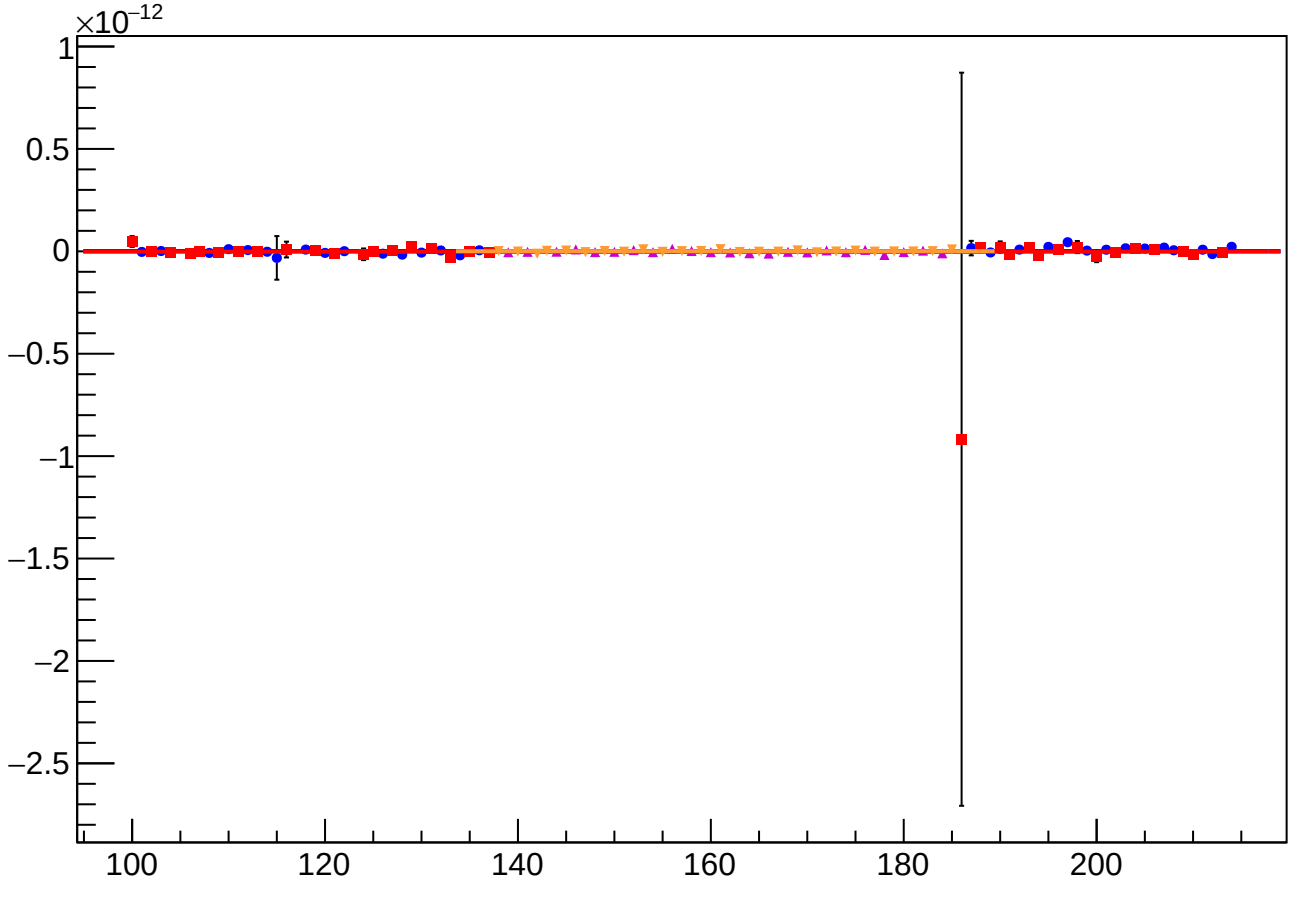
Right Out: 21.068+/-0.004 χ^2/NDF: 4312893.6/33

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.879+/-0.003 χ^2/NDF: 8366477.7/54

All: 20.923+/-0.002 χ^2/NDF: 16216313.0/111

- sign 20.968+/-0.003 χ^2/NDF: 7849254.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

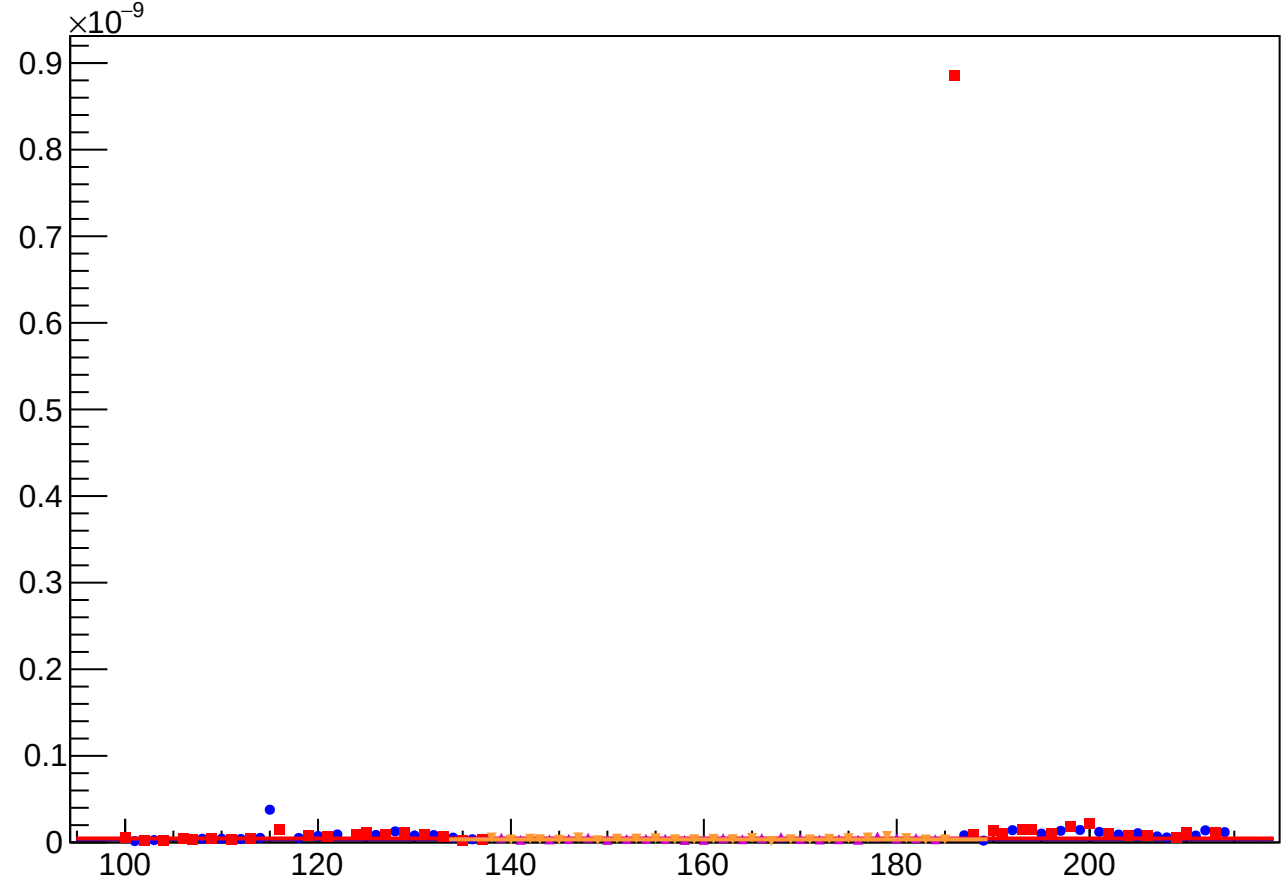
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/33

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.0/54

All: -0.000+/-0.000 χ^2/NDF: 98.6/111

- sign -0.000+/-0.000 χ^2/NDF: 53.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 8536815.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8461261.9/33

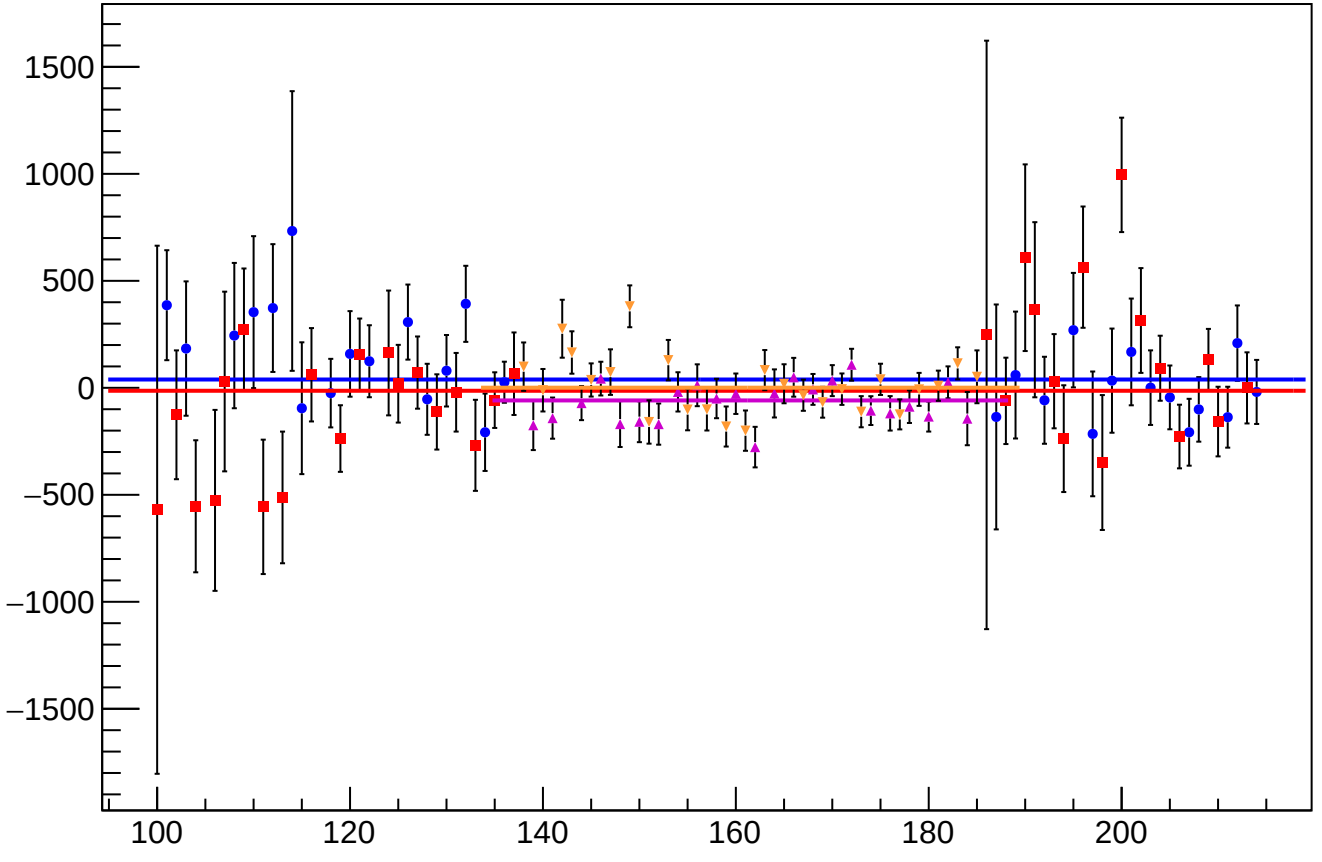
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11154725.8/54

All: 0.000+/-0.000 χ^2/NDF: 21323728.3/111

- sign 0.000+/-0.000 χ^2/NDF: 9897494.3/56

reg_asym_sam_26_avg_mean vs Slug



Right In: 38.885+/-34.758 χ^2/NDF: 23.5/29

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -13.744+/-36.550 χ^2/NDF: 46.9/33

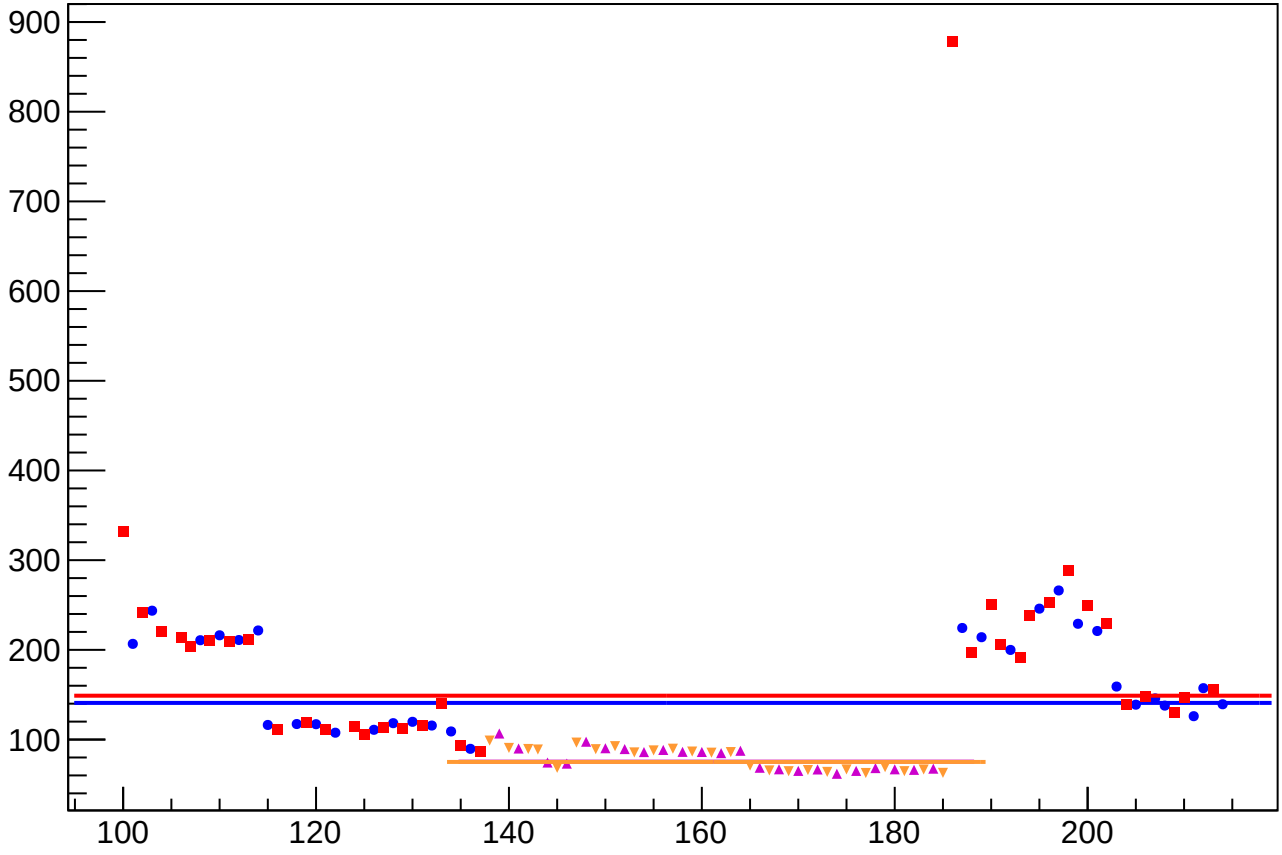
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 8.213+/-15.502 χ^2/NDF: 73.1/54

All: -19.953+/-11.154 χ^2/NDF: 153.9/111

- sign -50.187+/-16.061 χ^2/NDF: 73.9/56

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.852+/-0.025 χ^2/NDF: 3176753.7/29

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

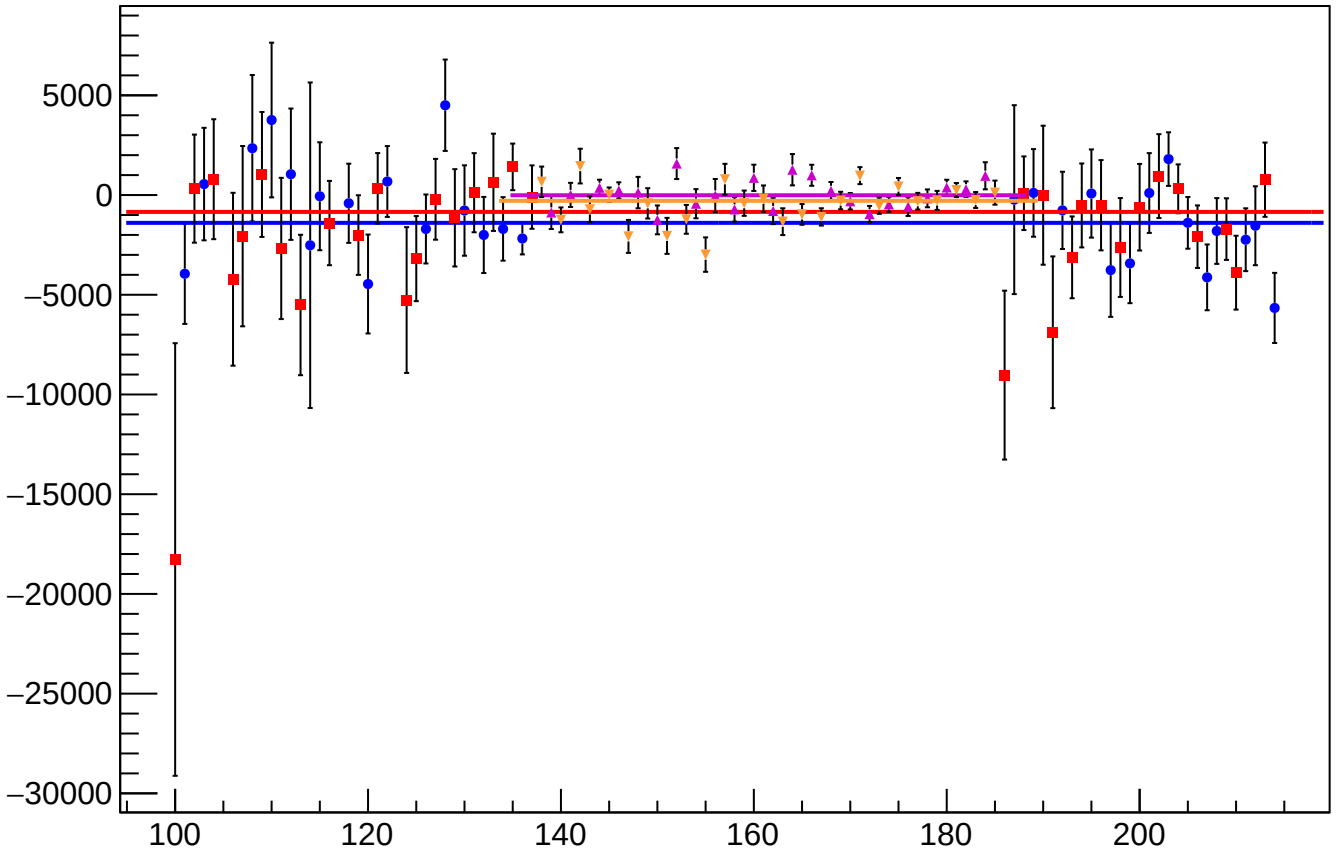
Right Out: 148.893+/-0.026 χ^2/NDF: 4228699.1/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.131+/-0.011 χ^2/NDF: 9848674.3/54

All: 88.816+/-0.008 χ^2/NDF: 21456372.8/111

- sign 89.551+/-0.011 χ^2/NDF: 11599604.6/56



Right In: -1393.955+/-340.386 χ^2/NDF: 34.4/29

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -845.059+/-365.031 χ^2/NDF: 28.7/33

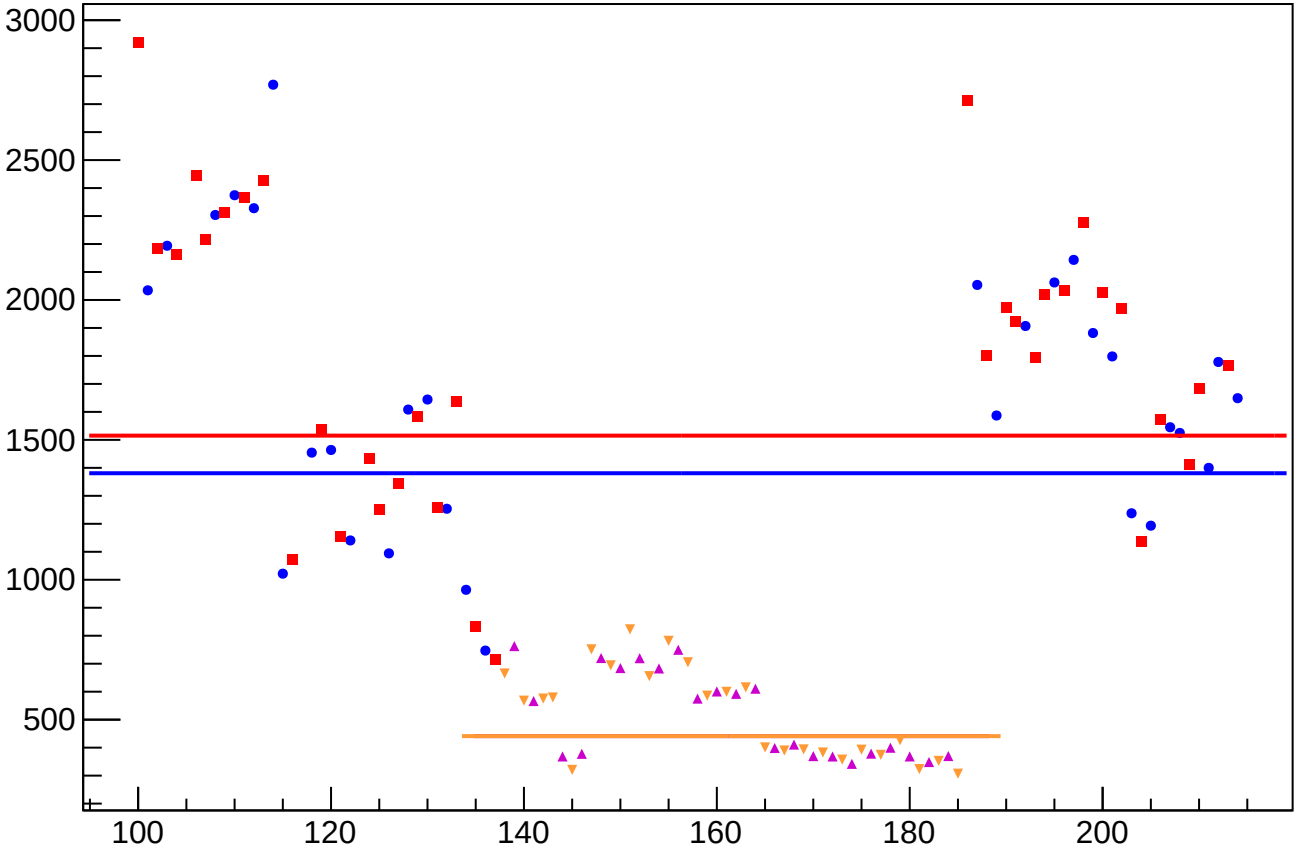
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -384.553+/-100.536 χ^2/NDF: 97.4/54

All: -235.110+/-72.037 χ^2/NDF: 168.8/111

- sign -77.428+/-103.271 χ^2/NDF: 66.9/56

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1380.766+/-0.241 χ^2/NDF: 3416354.4/29

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1515.187+/-0.258 χ^2/NDF: 3384944.4/33

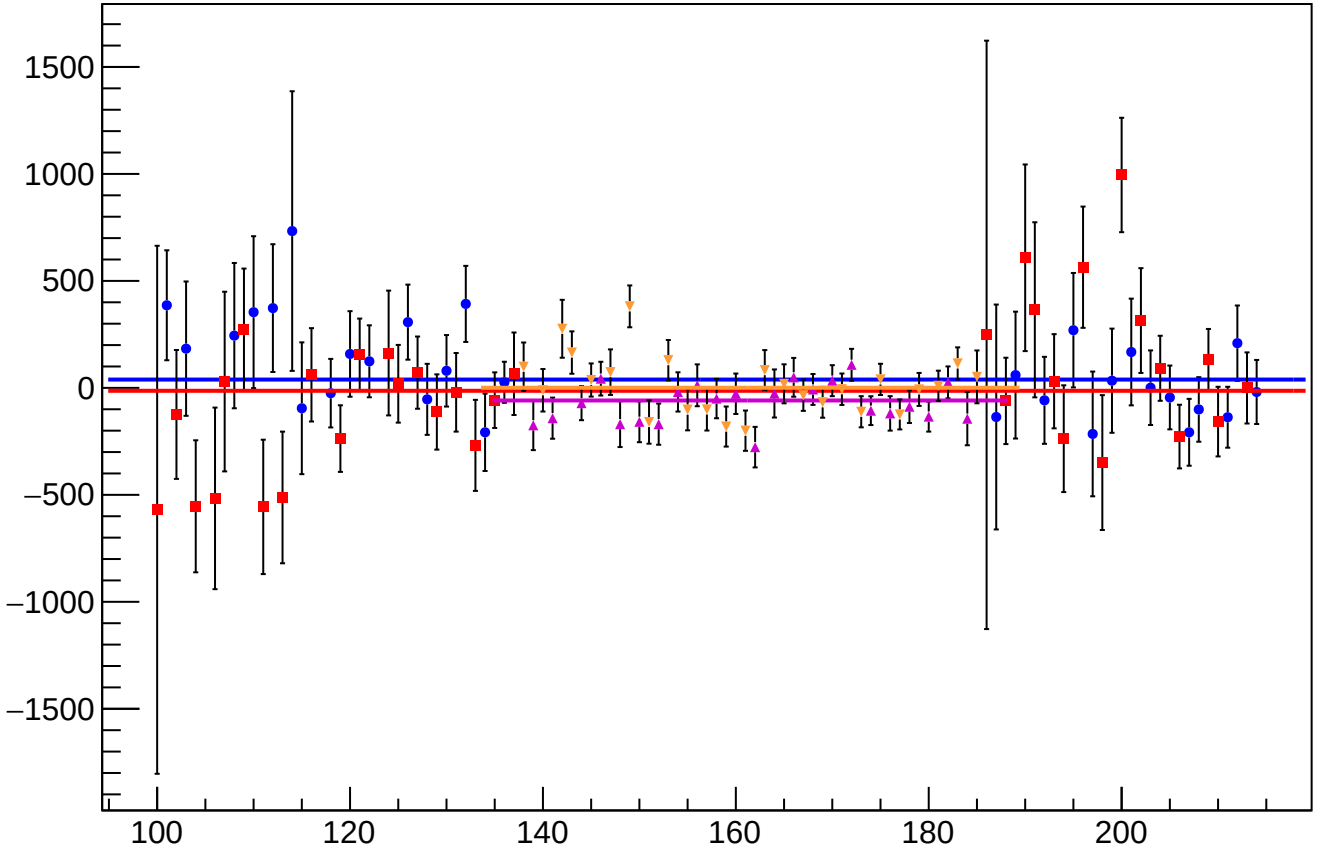
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 523.100+/-0.071 χ^2/NDF: 20562210.6/54

All: 525.074+/-0.051 χ^2/NDF: 42558072.9/11

- sign 527.156+/-0.073 χ^2/NDF: 21994278.7/56

cor_asym_sam_26_avg_mean vs Slug



Right In: 38.872+/-34.758 χ^2/NDF: 23.5/29

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -13.619+/-36.552 χ^2/NDF: 46.8/33

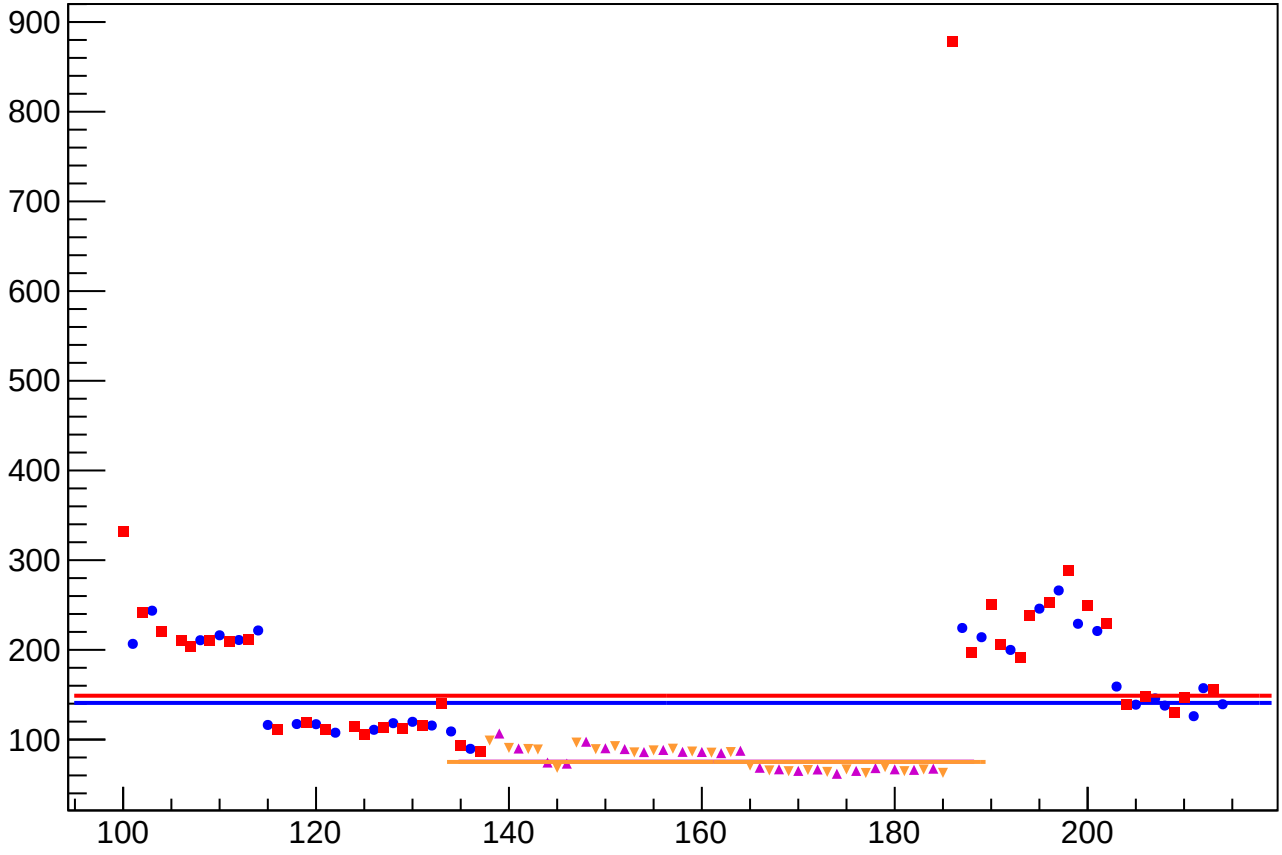
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.211+/-15.502 χ^2/NDF: 73.1/54

All: -19.941+/-11.154 χ^2/NDF: 153.8/111

- sign -50.161+/-16.061 χ^2/NDF: 73.9/56

cor_asym_sam_26_avg_rms vs Slug



Right In: 140.852+/-0.025 χ^2/NDF: 3176756.2/29

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

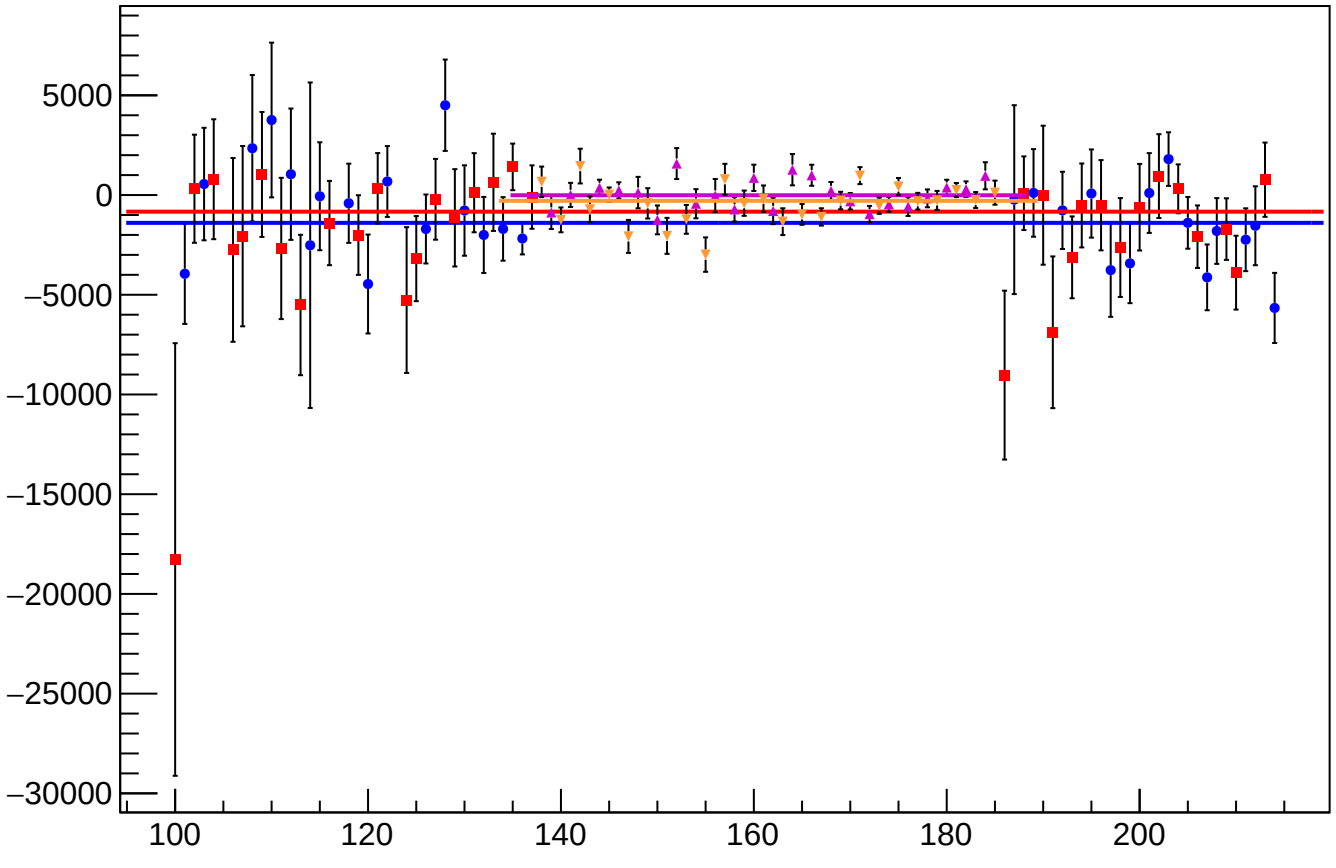
Right Out: 148.867+/-0.026 χ^2/NDF: 4224341.2/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.131+/-0.011 χ^2/NDF: 9848676.4/54

All: 88.813+/-0.008 χ^2/NDF: 21446979.2/111

- sign 89.545+/-0.011 χ^2/NDF: 11590275.1/56



Right In: -1393.949+/-340.386 χ^2/NDF: 34.4/29

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -833.188+/-365.185 χ^2/NDF: 28.3/33

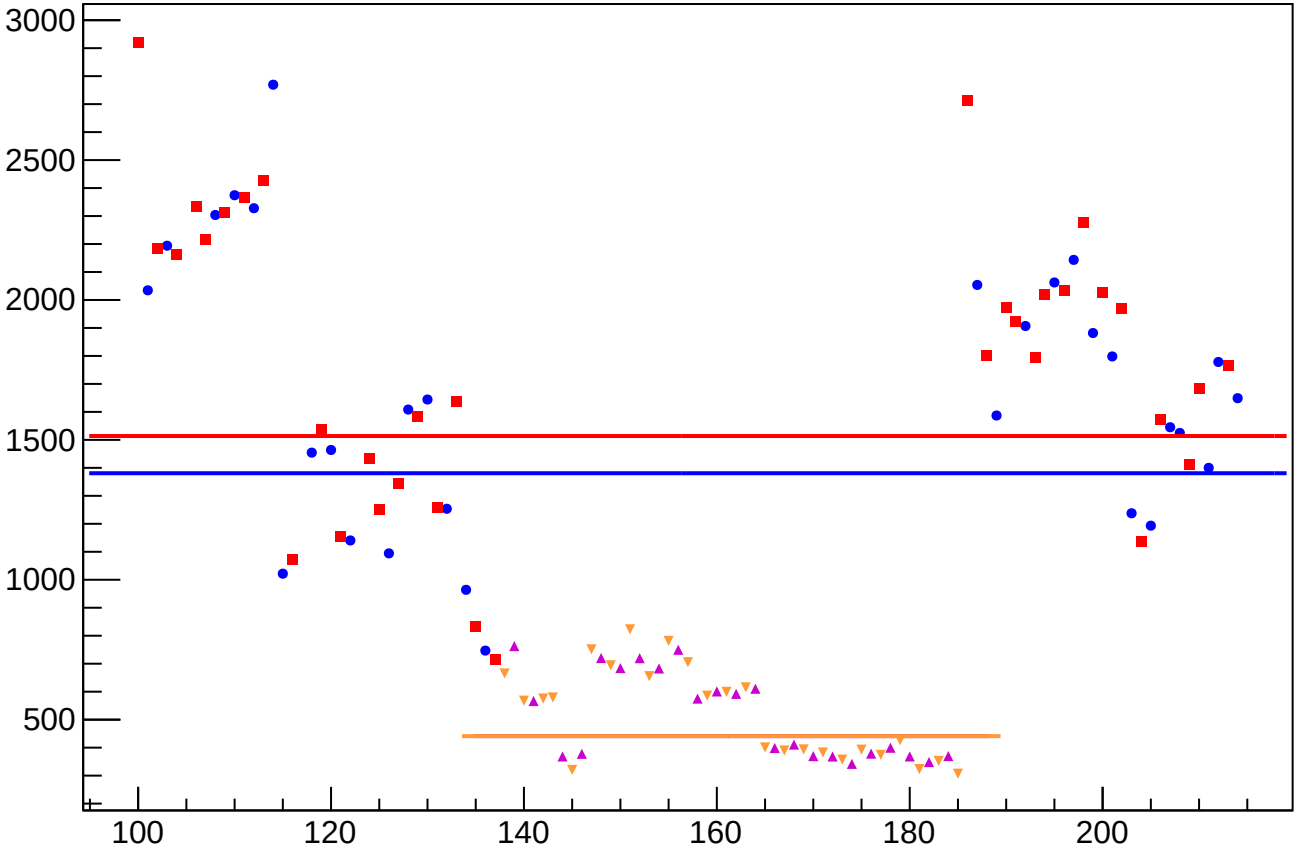
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -384.552+/-100.536 χ^2/NDF: 97.4/54

All: -234.628+/-72.038 χ^2/NDF: 168.3/111

- sign -76.428+/-103.274 χ^2/NDF: 66.4/56

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1380.766+/-0.241 χ^2/NDF: 3416385.1/29

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF: 3356669.4/33

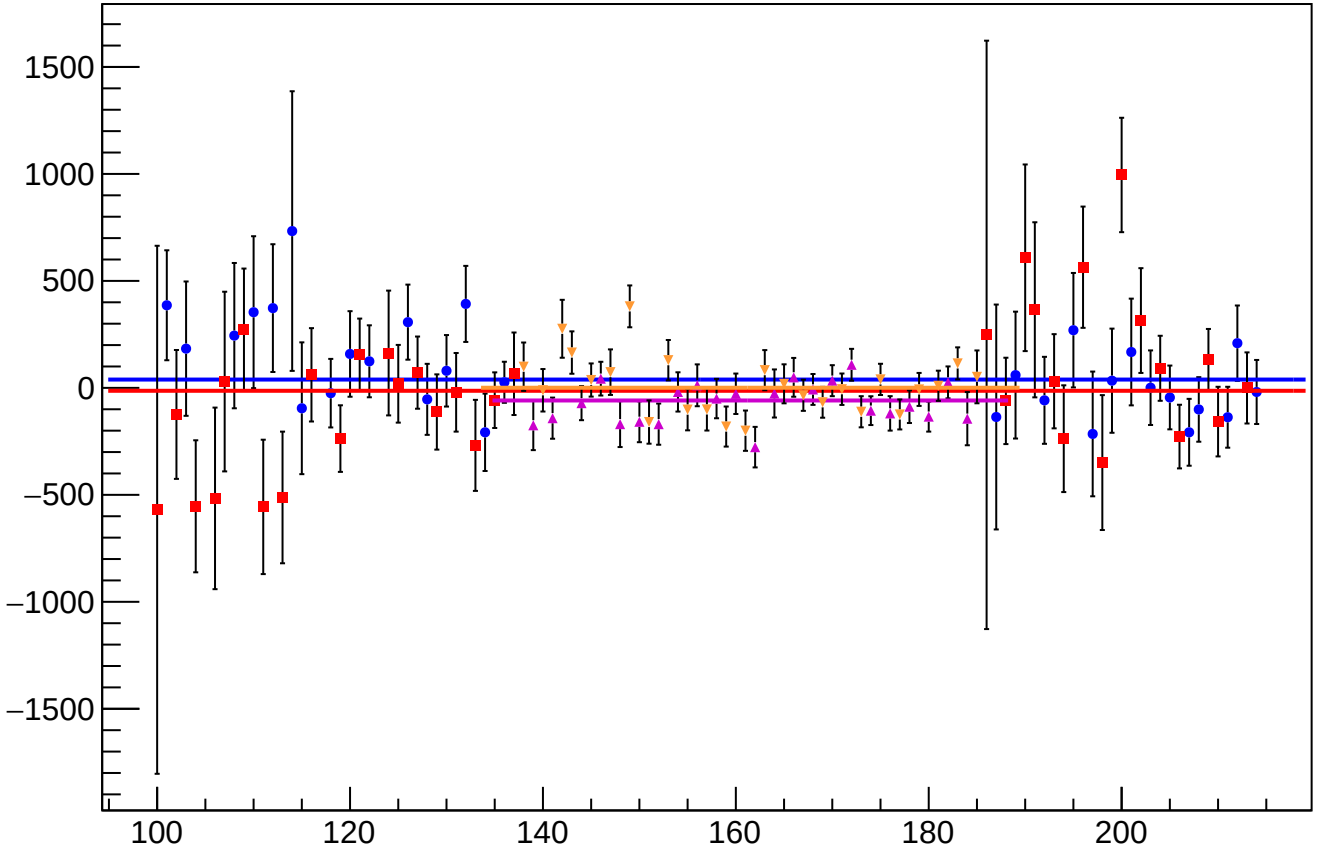
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 523.100+/-0.071 χ^2/NDF: 20562219.3/54

All: 524.986+/-0.051 χ^2/NDF: 42474899.6/11

- sign 526.975+/-0.073 χ^2/NDF: 21911234.8/56

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 38.872+/-34.758 χ^2/NDF: 23.5/29

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -13.619+/-36.552 χ^2/NDF: 46.8/33

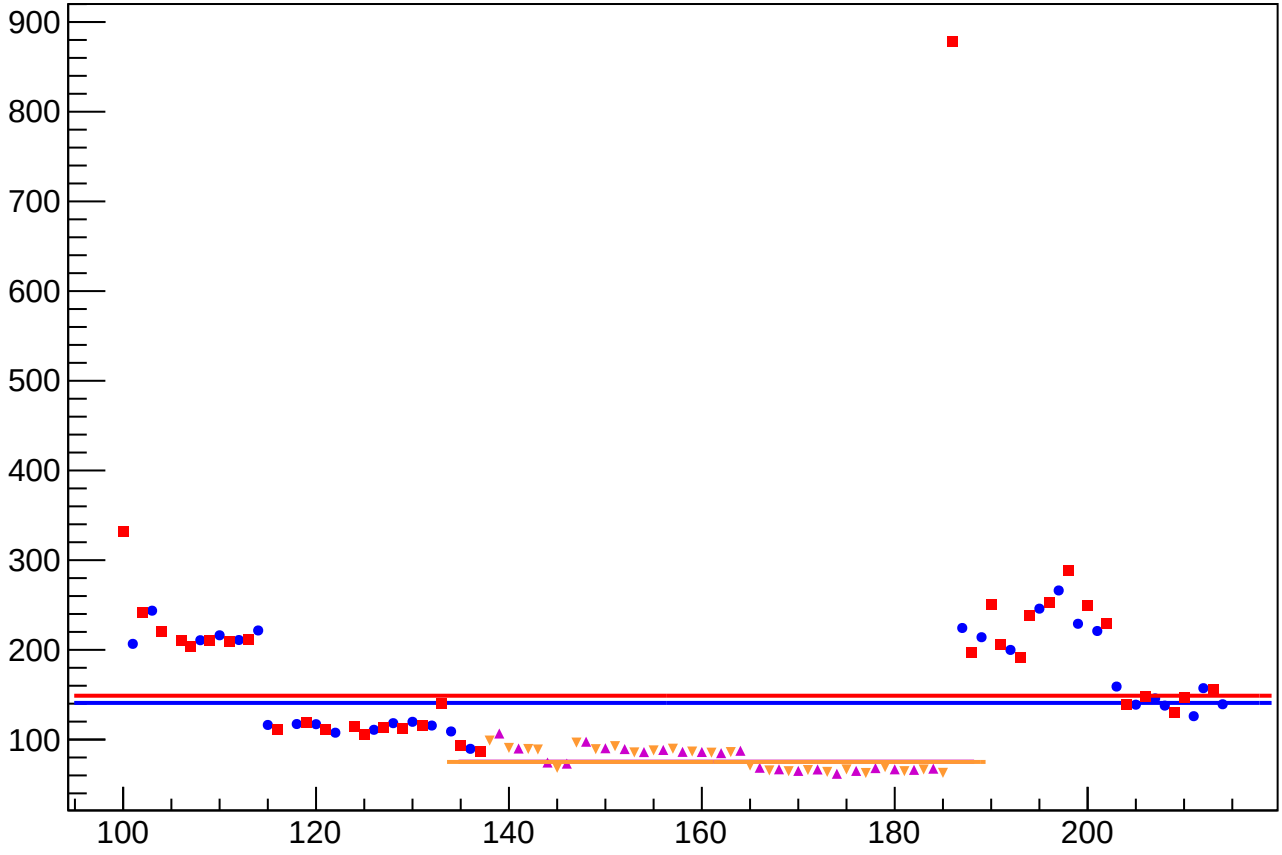
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 8.211+/-15.502 χ^2/NDF: 73.1/54

All: -19.941+/-11.154 χ^2/NDF: 153.8/111

- sign -50.161+/-16.061 χ^2/NDF: 73.9/56

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 140.852+/-0.025 χ^2/NDF: 3176756.2/29

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

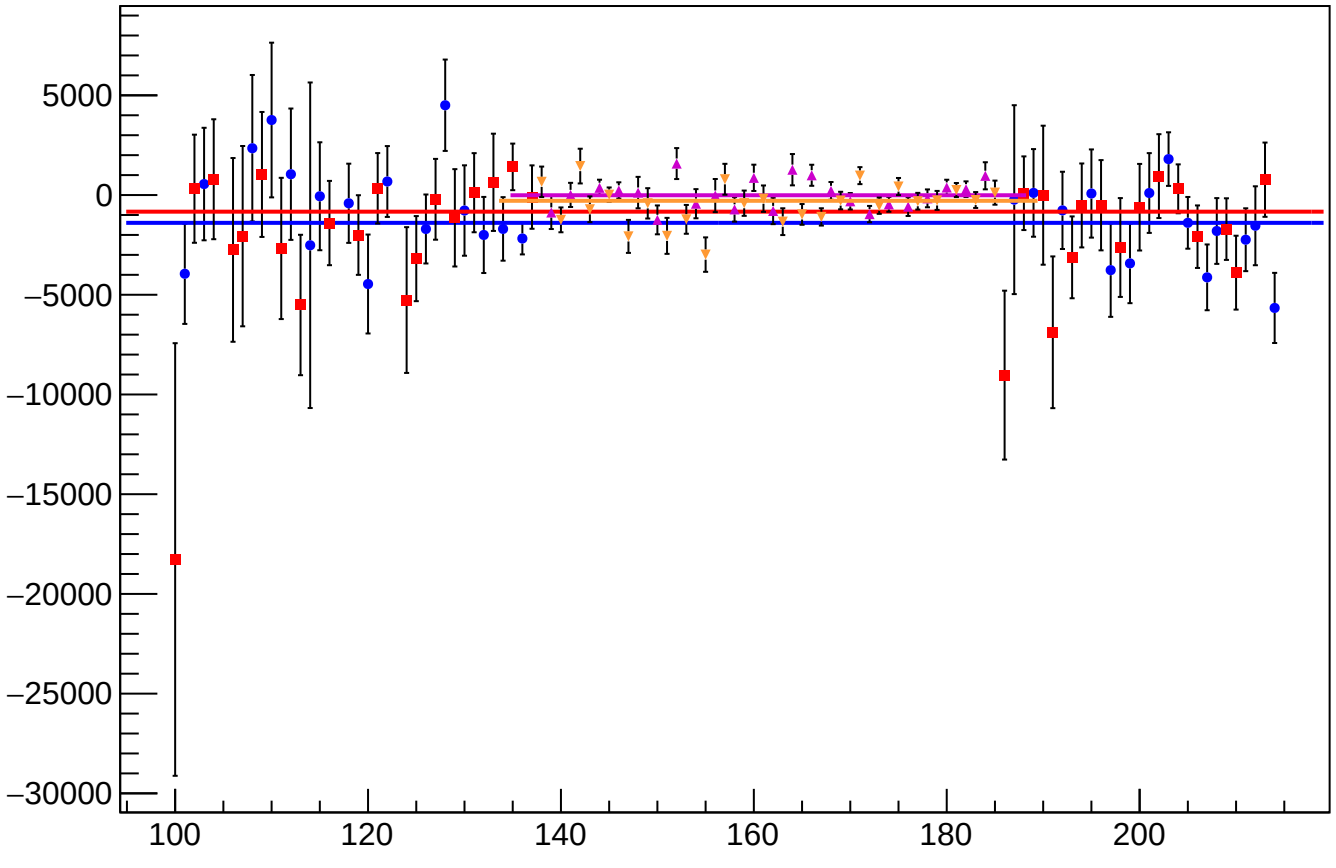
Right Out: 148.867+/-0.026 χ^2/NDF: 4224341.2/33

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 88.131+/-0.011 χ^2/NDF: 9848676.4/54

All: 88.813+/-0.008 χ^2/NDF: 21446979.2/111

- sign 89.545+/-0.011 χ^2/NDF: 11590275.1/56



Right In: -1393.949+/-340.386 χ^2/NDF: 34.4/29

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -833.188+/-365.185 χ^2/NDF: 28.3/33

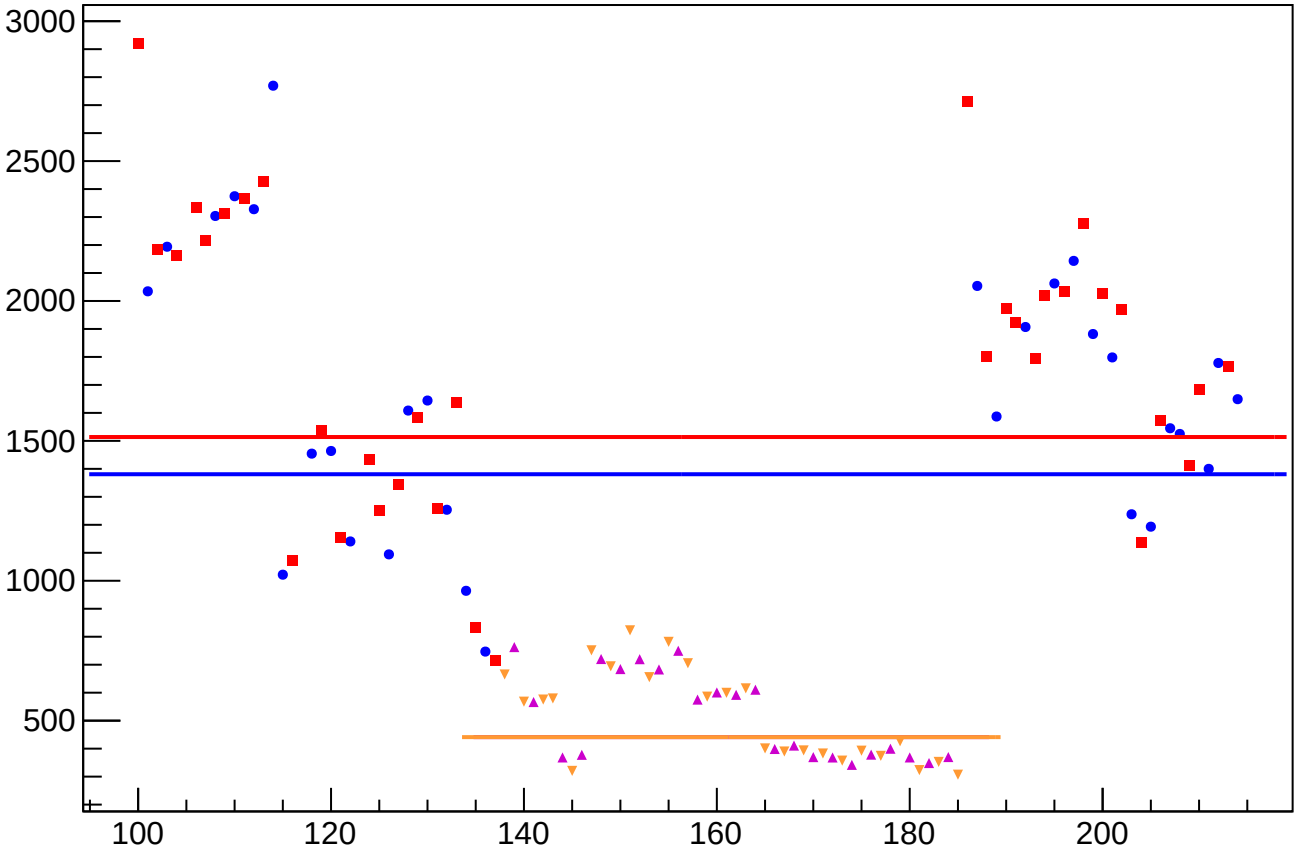
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -384.552+/-100.536 χ^2/NDF: 97.4/54

All: -234.628+/-72.038 χ^2/NDF: 168.3/111

- sign -76.428+/-103.274 χ^2/NDF: 66.4/56

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1380.766+/-0.241 χ^2/NDF: 3416385.1/29

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1513.754+/-0.258 χ^2/NDF: 3356669.4/33

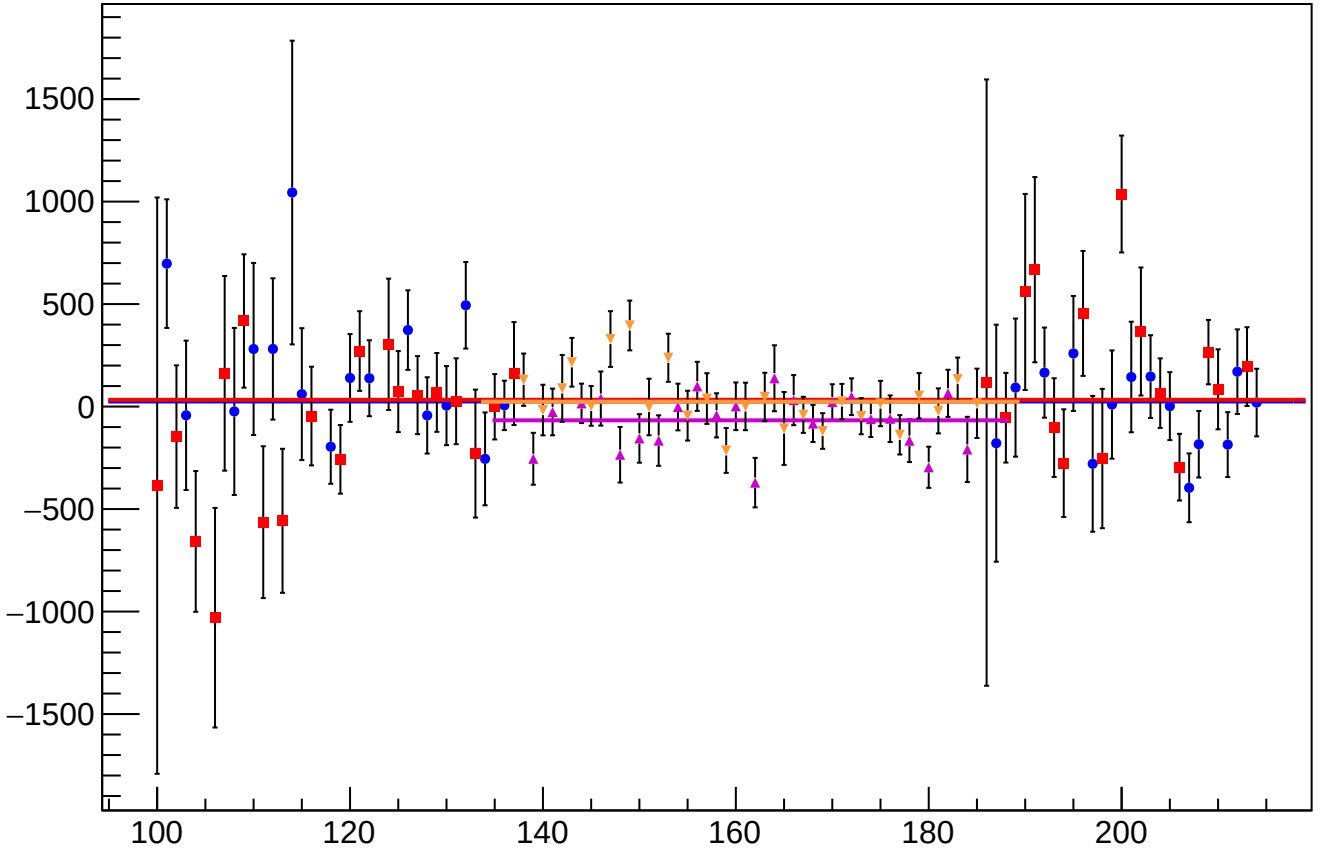
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 523.100+/-0.071 χ^2/NDF: 20562219.3/54

All: 524.986+/-0.051 χ^2/NDF: 42474899.6/11

- sign 526.975+/-0.073 χ^2/NDF: 21911234.8/56

dit_asym_sam_26_avg_mean vs Slug



Right In: 24.937+/-39.502 χ^2/NDF: 32.4/29

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 32.985+/-41.578 χ^2/NDF: 50.0/33

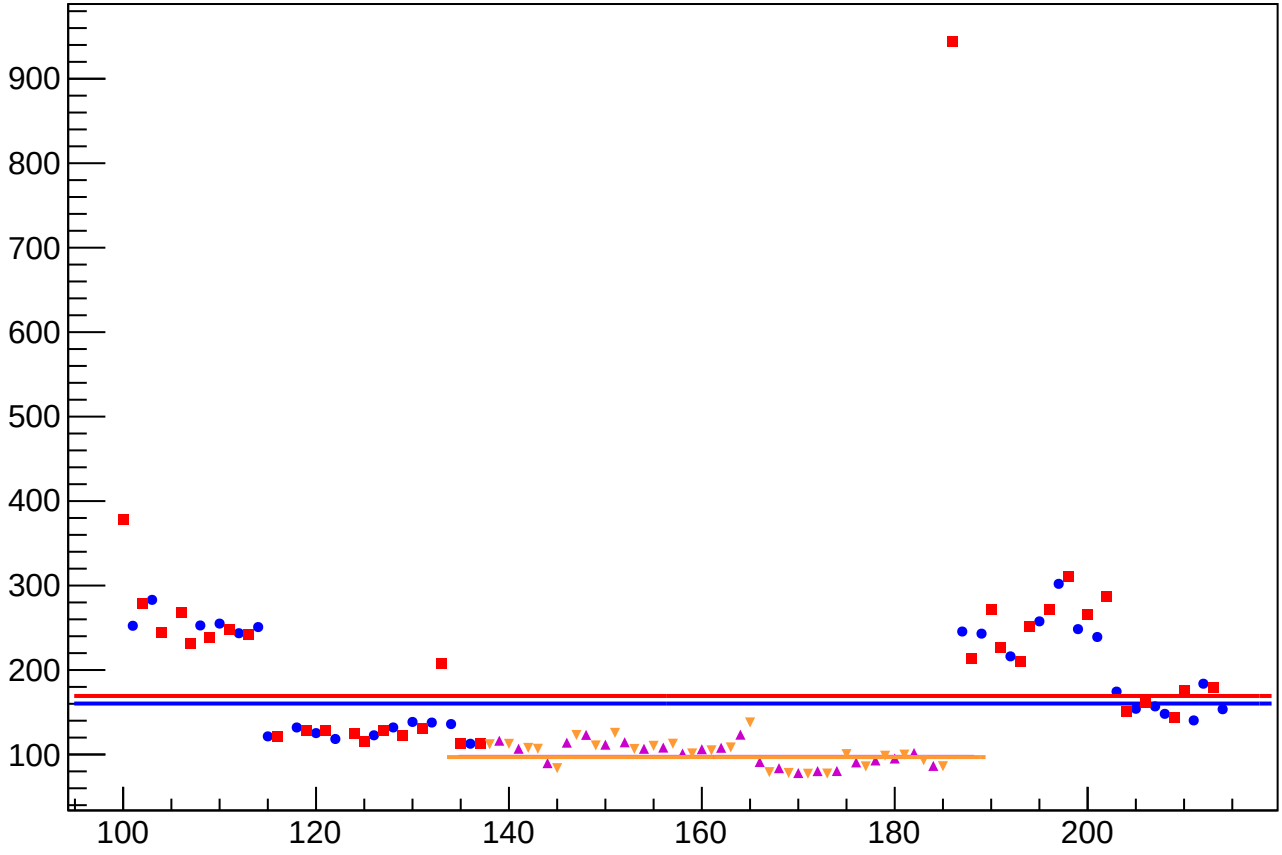
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 24.132+/-19.494 χ^2/NDF: 67.6/54

All: -8.447+/-14.030 χ^2/NDF: 156.4/111

- sign -43.450+/-20.207 χ^2/NDF: 83.0/56

dit_asym_sam_26_avg_rms vs Slug



Right In: 160.302+/-0.028 χ^2/NDF: 2868439.9/29

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

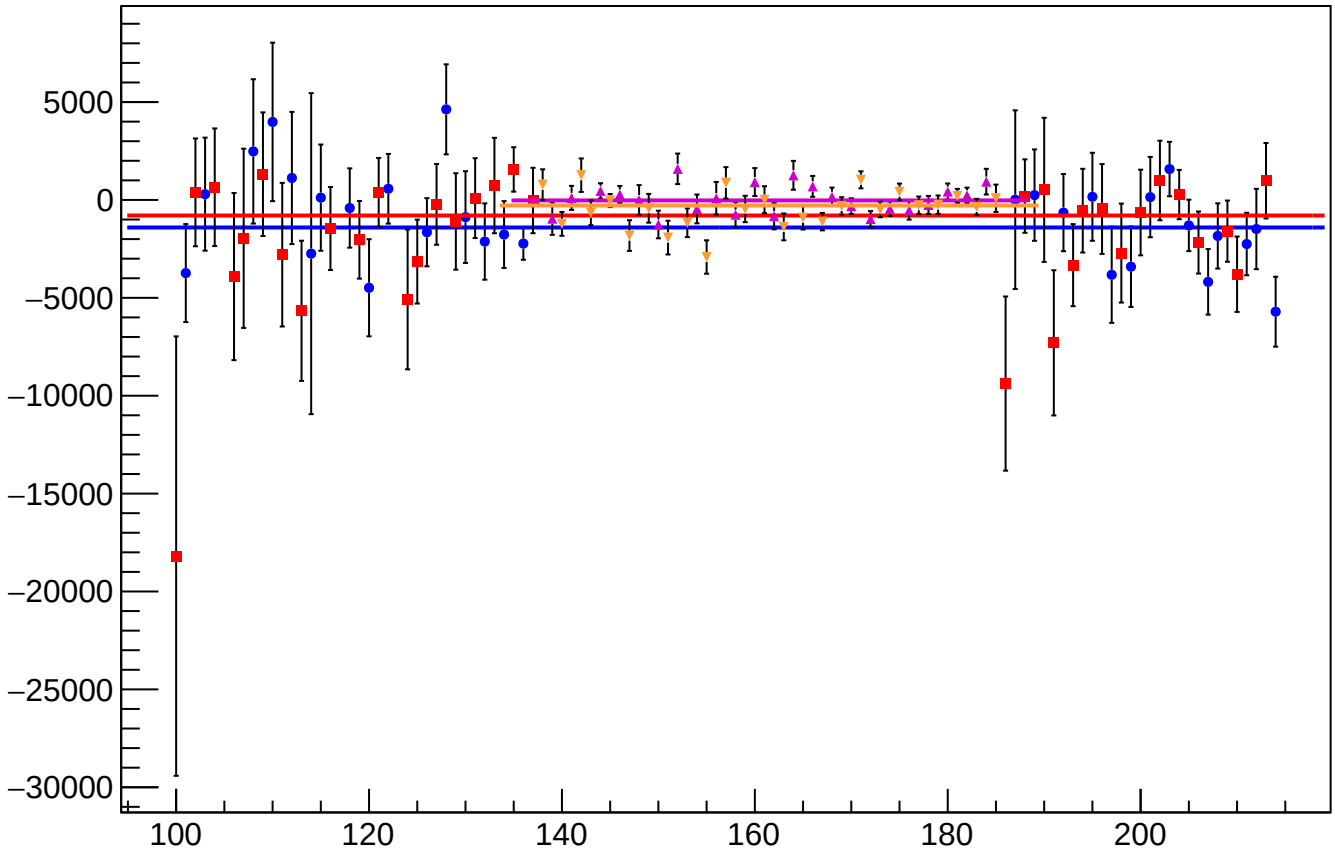
Right Out: 169.280+/-0.029 χ^2/NDF: 4016459.5/33

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 112.347+/-0.014 χ^2/NDF: 7699029.4/54

All: 113.240+/-0.010 χ^2/NDF: 16994016.3/11

- sign 114.200+/-0.014 χ^2/NDF: 9286278.1/56



Right In: -1406.452+/-348.689 χ^2/NDF: 33.4/29

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -794.685+/-368.969 χ^2/NDF: 29.9/33

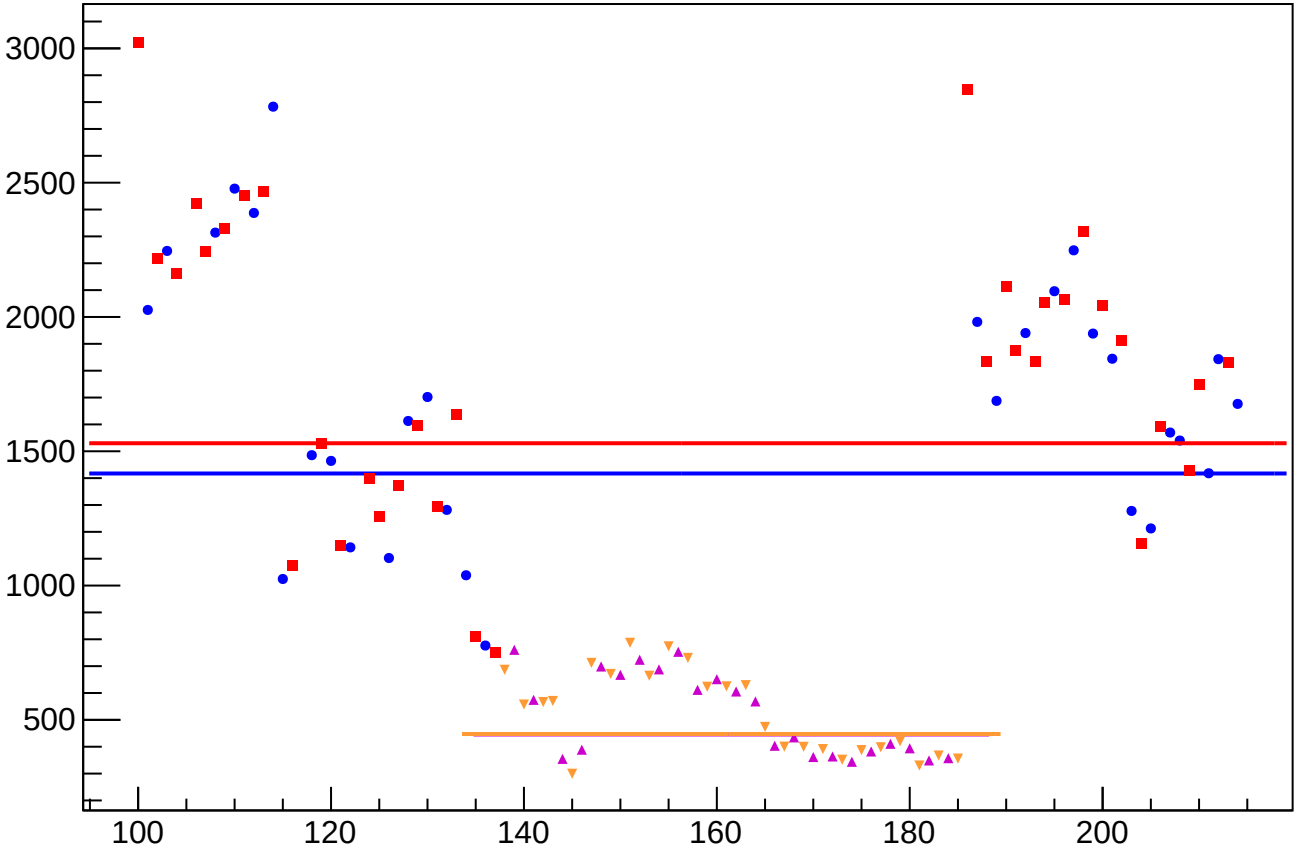
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -378.159+/-101.762 χ^2/NDF: 93.3/54

All: -236.013+/-72.882 χ^2/NDF: 164.1/111

- sign -86.314+/-104.431 χ^2/NDF: 66.8/56

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1417.289+/-0.247 χ^2/NDF: 3315742.5/29

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1529.861+/-0.261 χ^2/NDF: 3479065.1/33

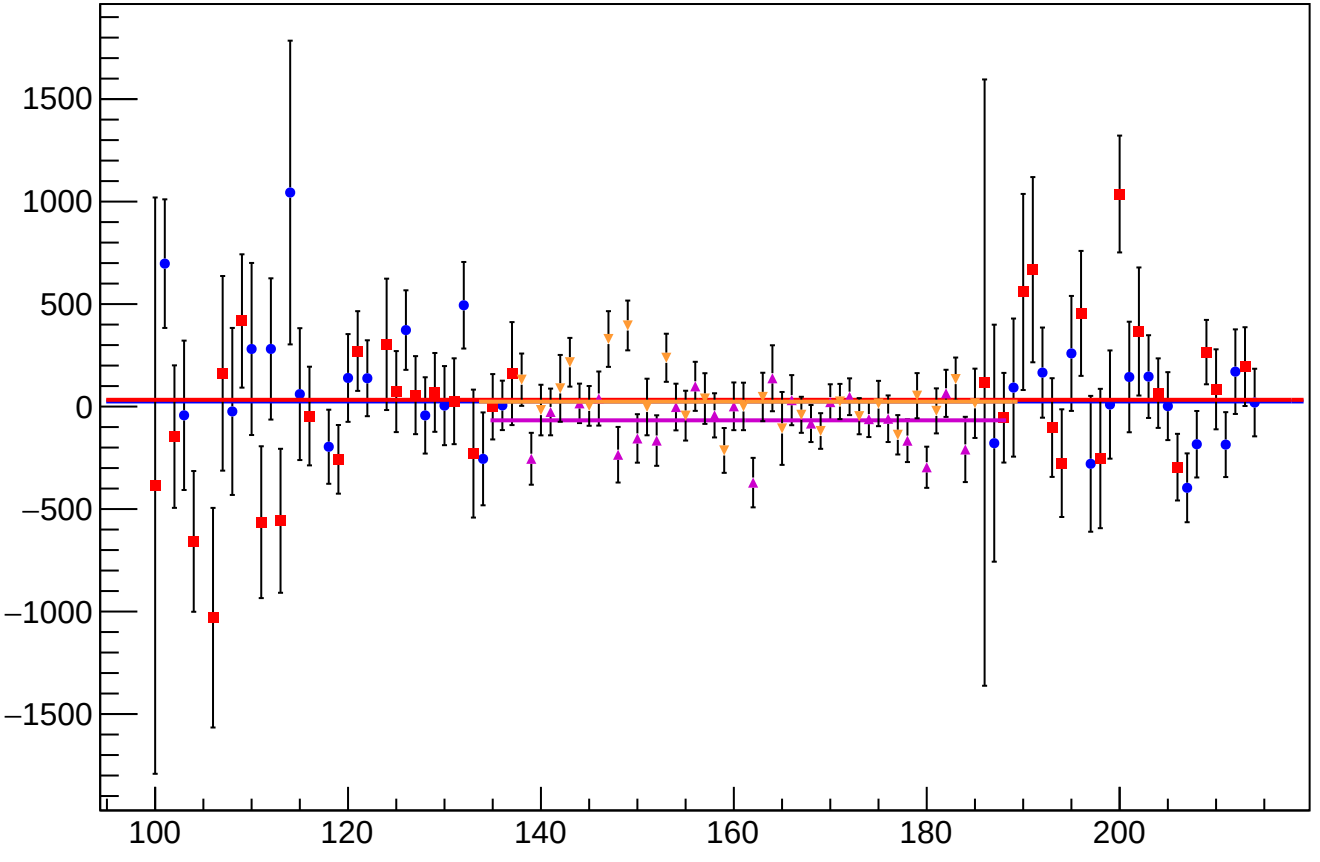
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 529.995+/-0.072 χ^2/NDF: 20669835.3/54

All: 531.146+/-0.052 χ^2/NDF: 42753322.4/11

- sign 532.359+/-0.074 χ^2/NDF: 22082961.4/56

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 24.940+/-39.502 χ^2/NDF: 32.4/29

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 32.984+/-41.578 χ^2/NDF: 50.0/33

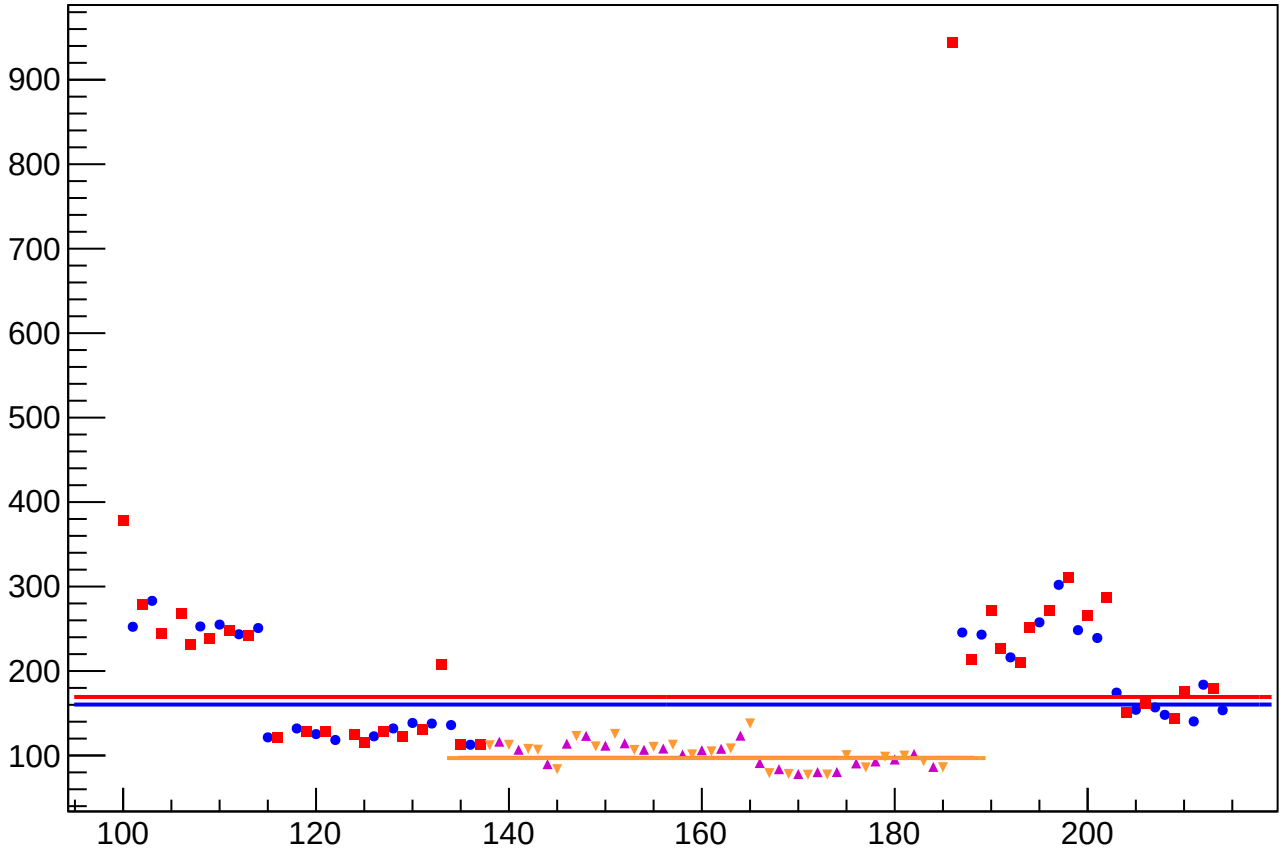
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 24.132+/-19.494 χ^2/NDF: 67.6/54

All: -8.446+/-14.030 χ^2/NDF: 156.4/111

- sign -43.449+/-20.207 χ^2/NDF: 83.0/56

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 160.302+/-0.028 χ^2/NDF: 2868452.8/29

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

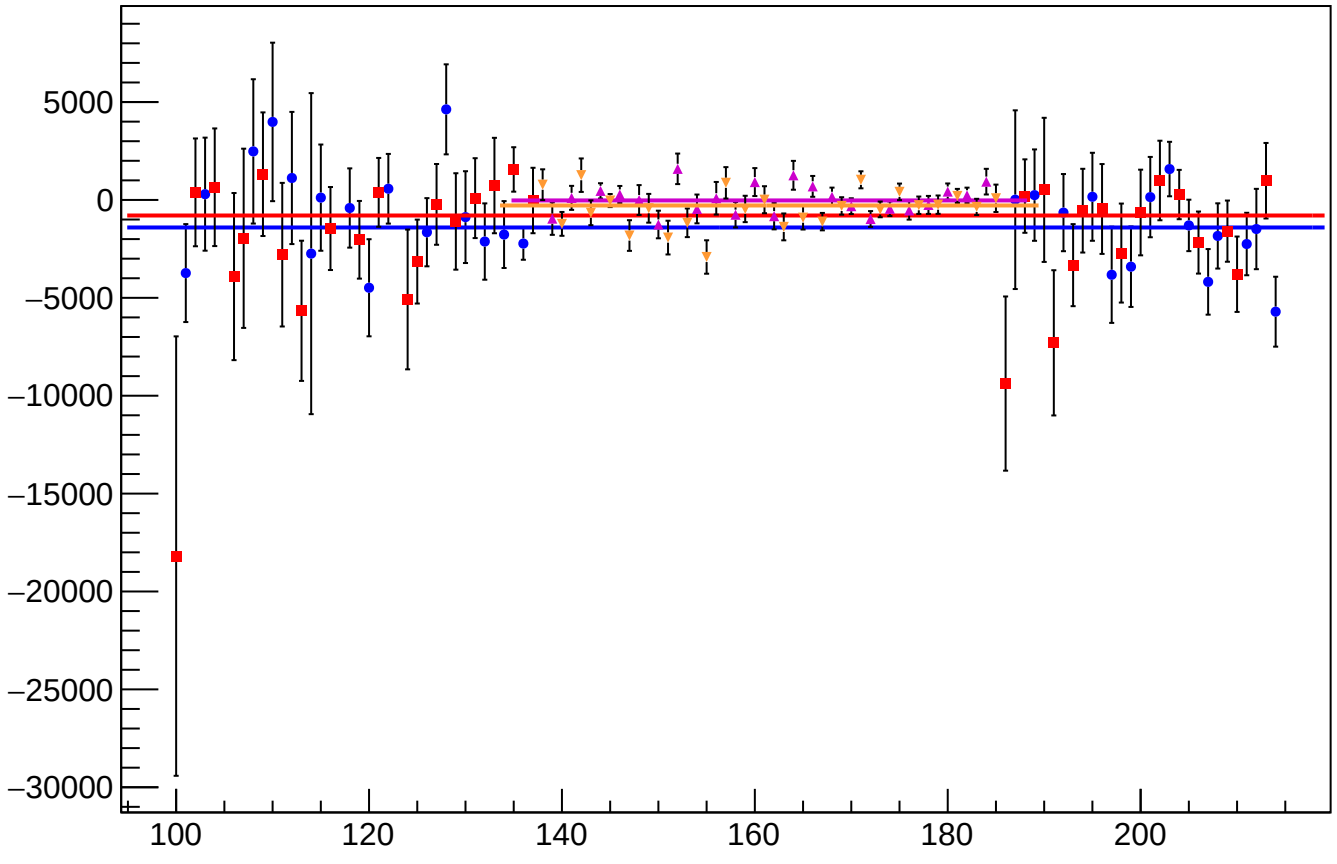
Right Out: 169.280+/-0.029 χ^2/NDF: 4016460.4/33

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

\+ sign 112.347+/-0.014 χ^2/NDF: 7698955.2/54

All: 113.240+/-0.010 χ^2/NDF: 16993862.2/11

\- sign 114.200+/-0.014 χ^2/NDF: 9286196.9/56



Right In: -1406.451+/-348.689 χ^2/NDF: 33.4/29

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -794.686+/-368.969 χ^2/NDF: 29.9/33

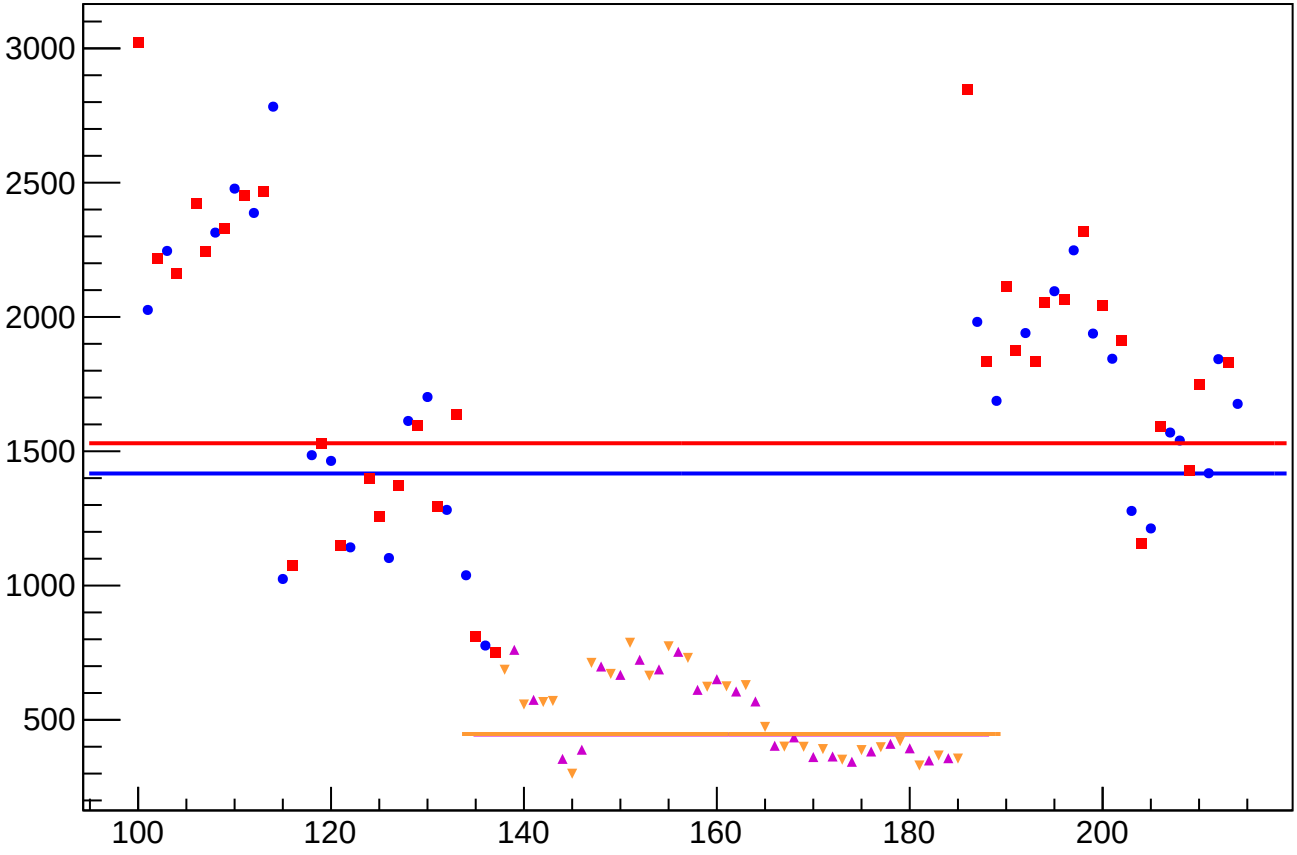
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -378.158+/-101.762 χ^2/NDF: 93.3/54

All: -236.013+/-72.882 χ^2/NDF: 164.1/111

- sign -86.315+/-104.431 χ^2/NDF: 66.8/56

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1417.289+/-0.247 χ^2/NDF: 3315721.8/29

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1529.861+/-0.261 χ^2/NDF: 3479047.2/33

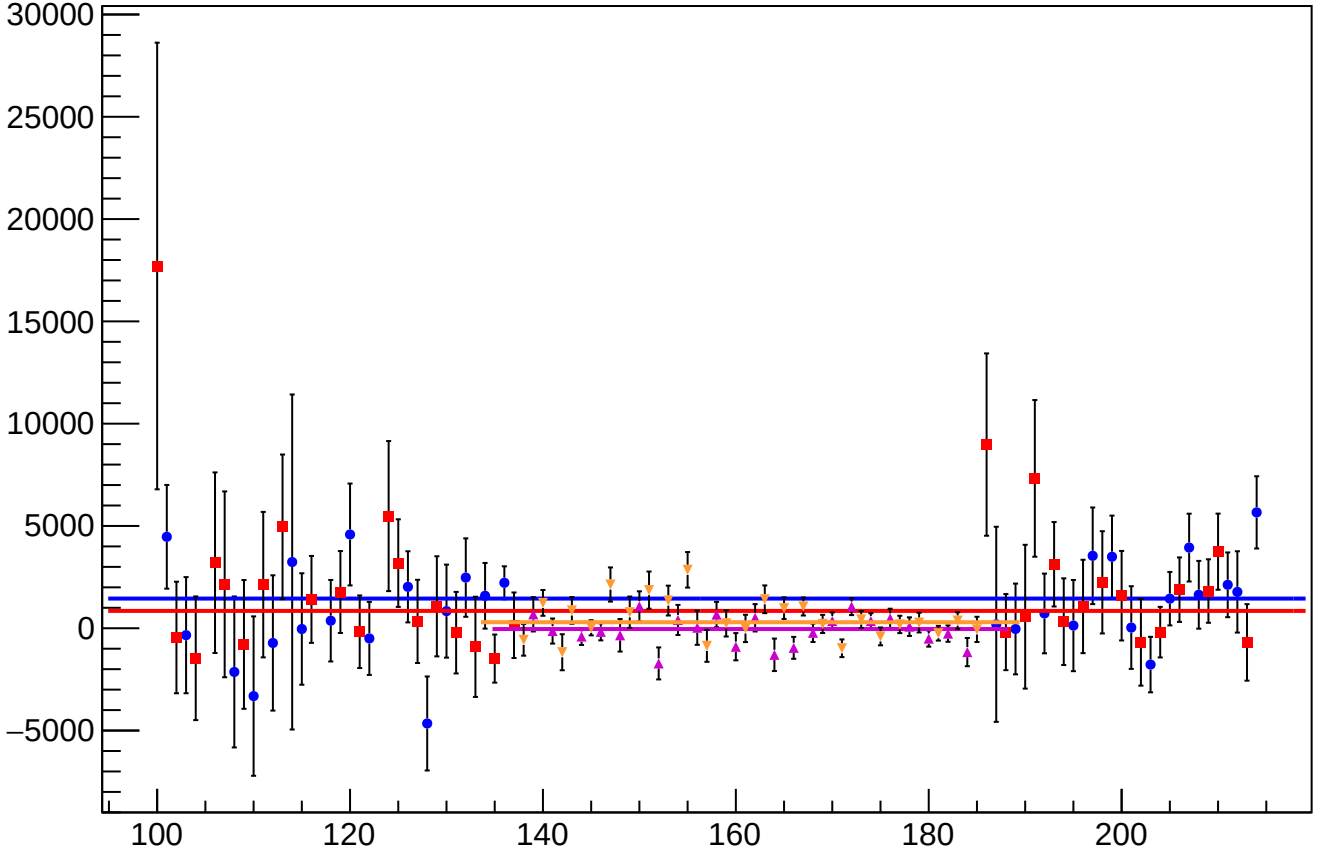
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 529.994+/-0.072 χ^2/NDF: 20669860.8/54

All: 531.146+/-0.052 χ^2/NDF: 42753362.1/11

- sign 532.358+/-0.074 χ^2/NDF: 22082975.5/56

asym_sam_26_avg_mean vs Slug



Right In: 1450.447+/-342.591 χ^2/NDF: 33.7/29

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 848.068+/-367.293 χ^2/NDF: 27.1/33

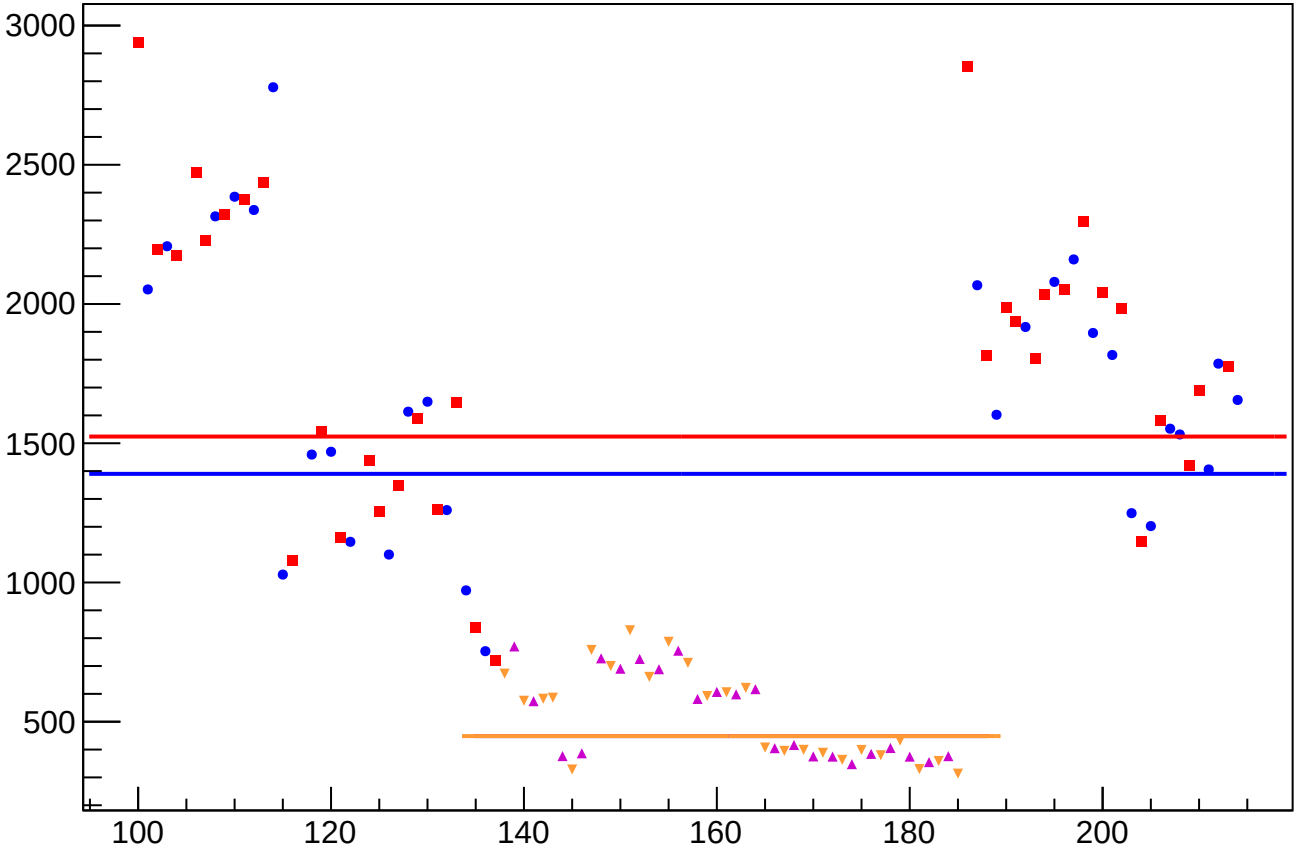
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 397.366+/-101.969 χ^2/NDF: 94.6/54

All: 220.613+/-73.074 χ^2/NDF: 166.1/111

- sign 34.004+/-104.773 χ^2/NDF: 65.4/56

asym_sam_26_avg_rms vs Slug



Right In: 1390.082+/-0.242 χ^2/NDF: 3401238.8/29

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1524.045+/-0.260 χ^2/NDF: 3403348.8/33

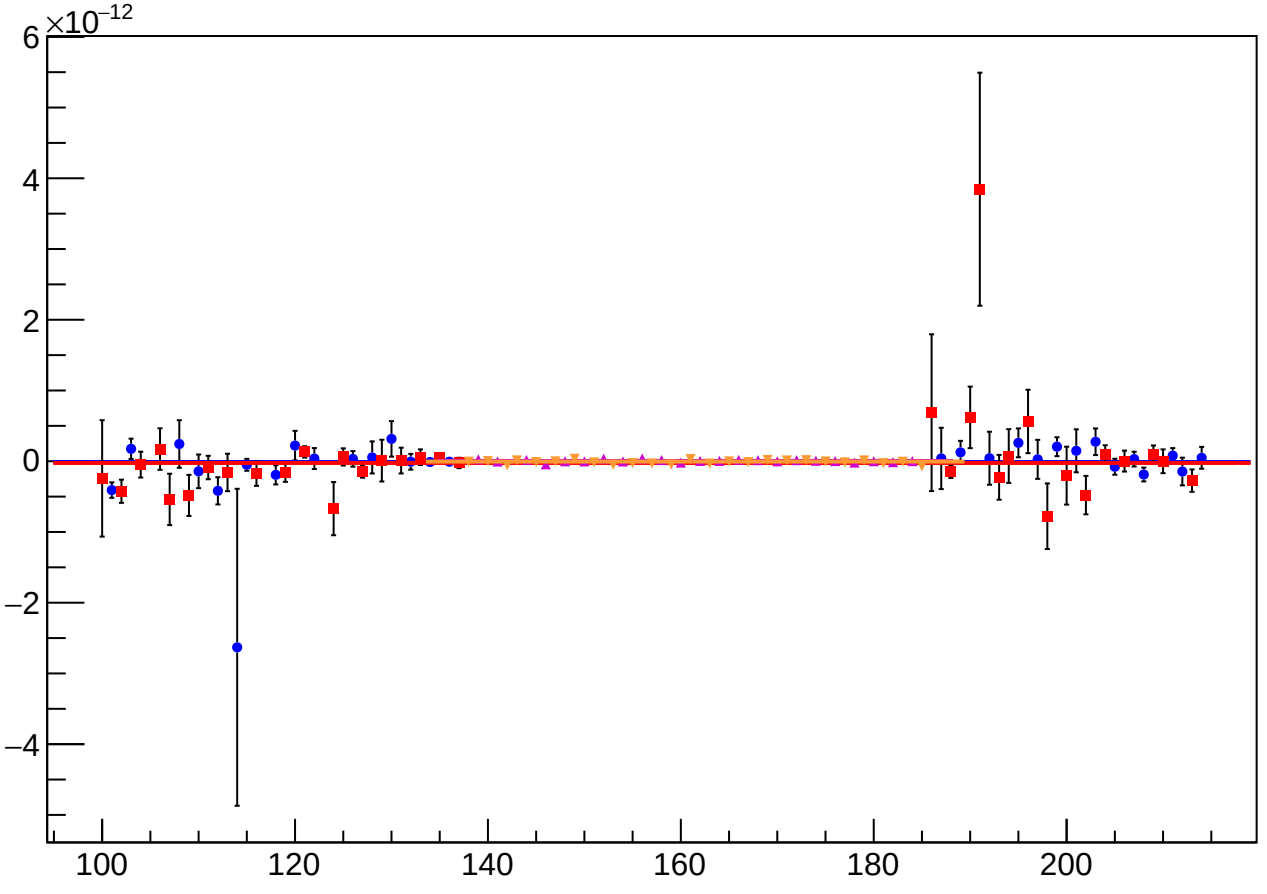
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 531.712+/-0.072 χ^2/NDF: 20333774.6/54

All: 533.762+/-0.052 χ^2/NDF: 42116951.2/11

- sign 535.925+/-0.074 χ^2/NDF: 21781515.9/56

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

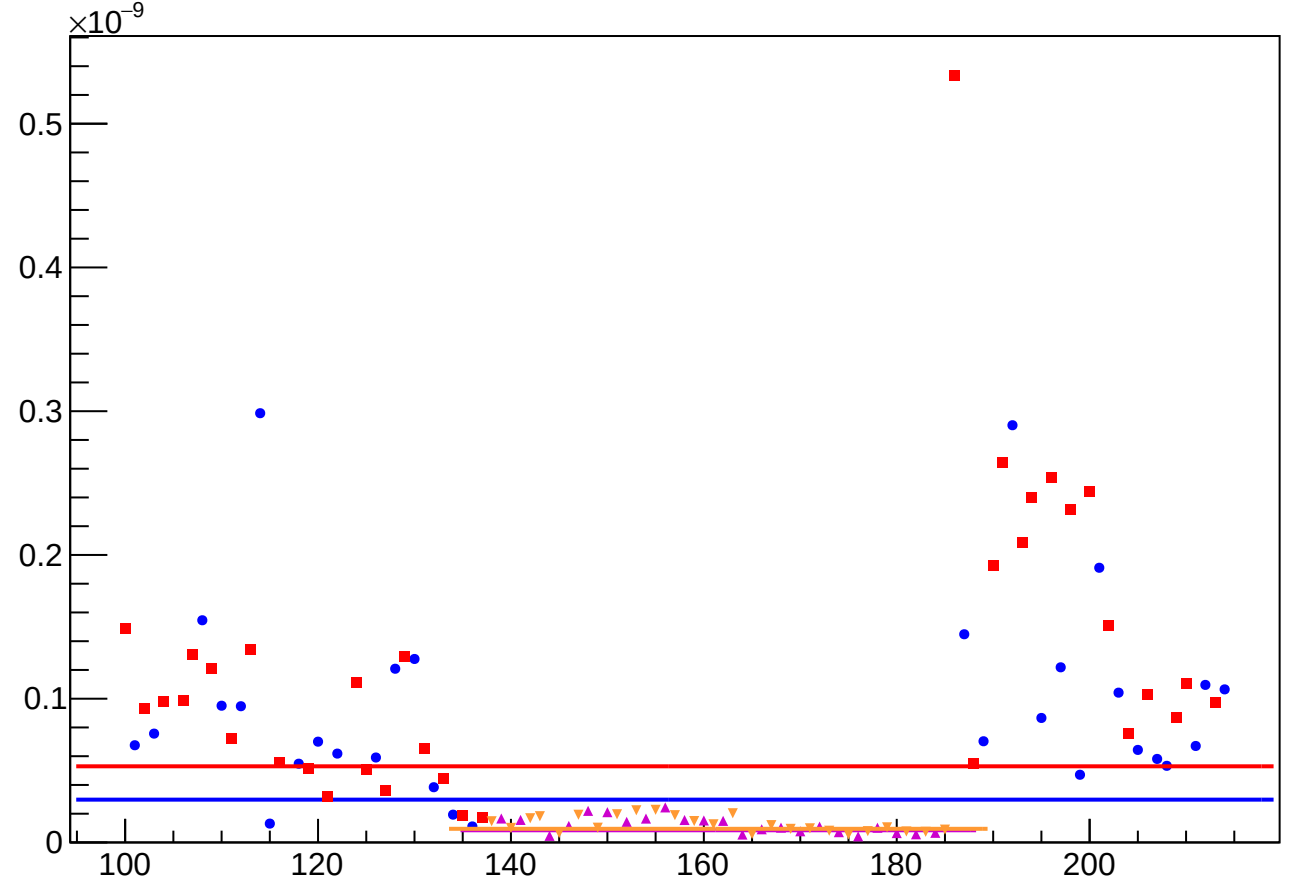
Right Out: -0.000+/-0.000 χ^2/NDF: 47.9/33

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/54

All: -0.000+/-0.000 χ^2/NDF: 131.4/111

- sign 0.000+/-0.000 χ^2/NDF: 66.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 7908865.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6395403.4/33

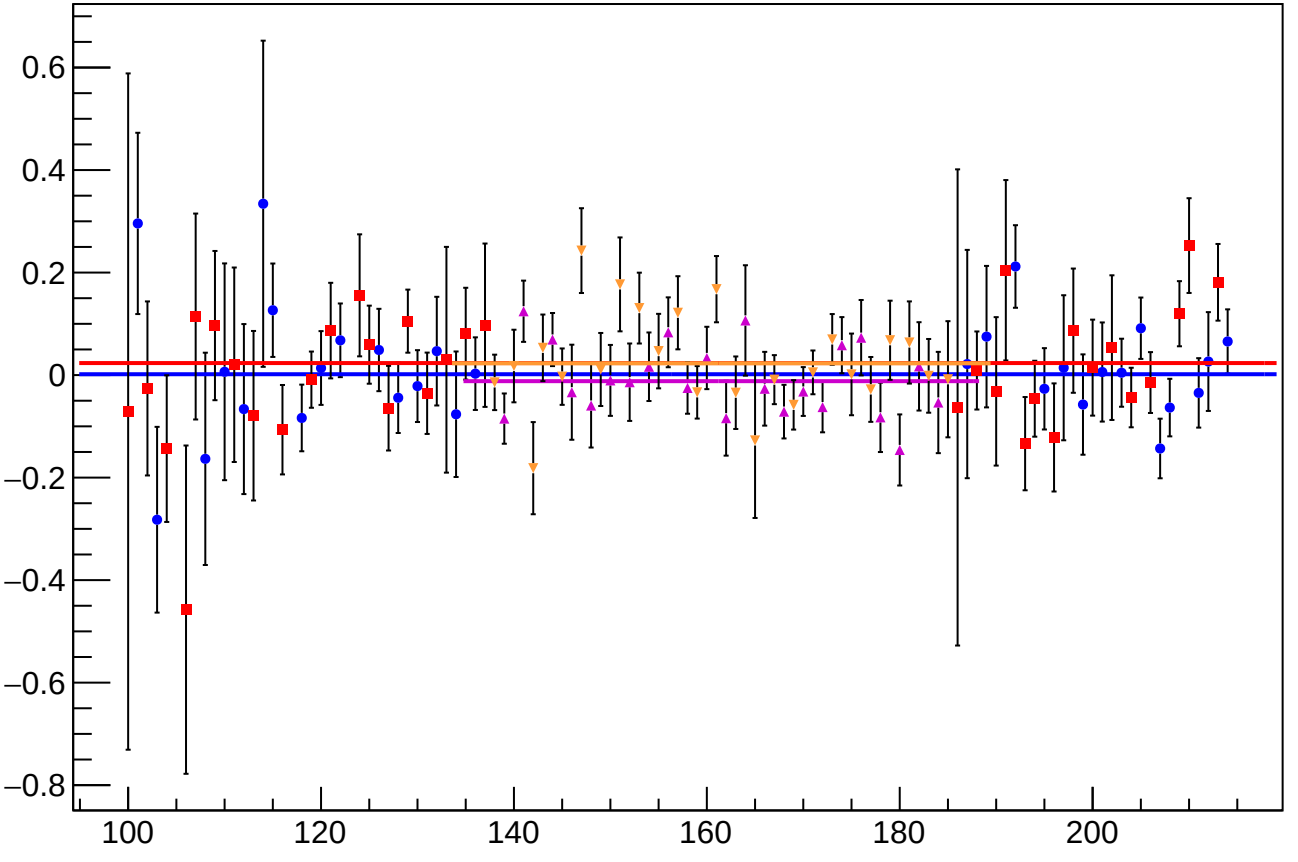
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13263998.6/54

All: 0.000+/-0.000 χ^2/NDF: 29180744.5/111

- sign 0.000+/-0.000 χ^2/NDF: 15840297.1/56

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.015 χ^2/NDF: 31.9/29

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.023+/-0.016 χ^2/NDF: 35.1/33

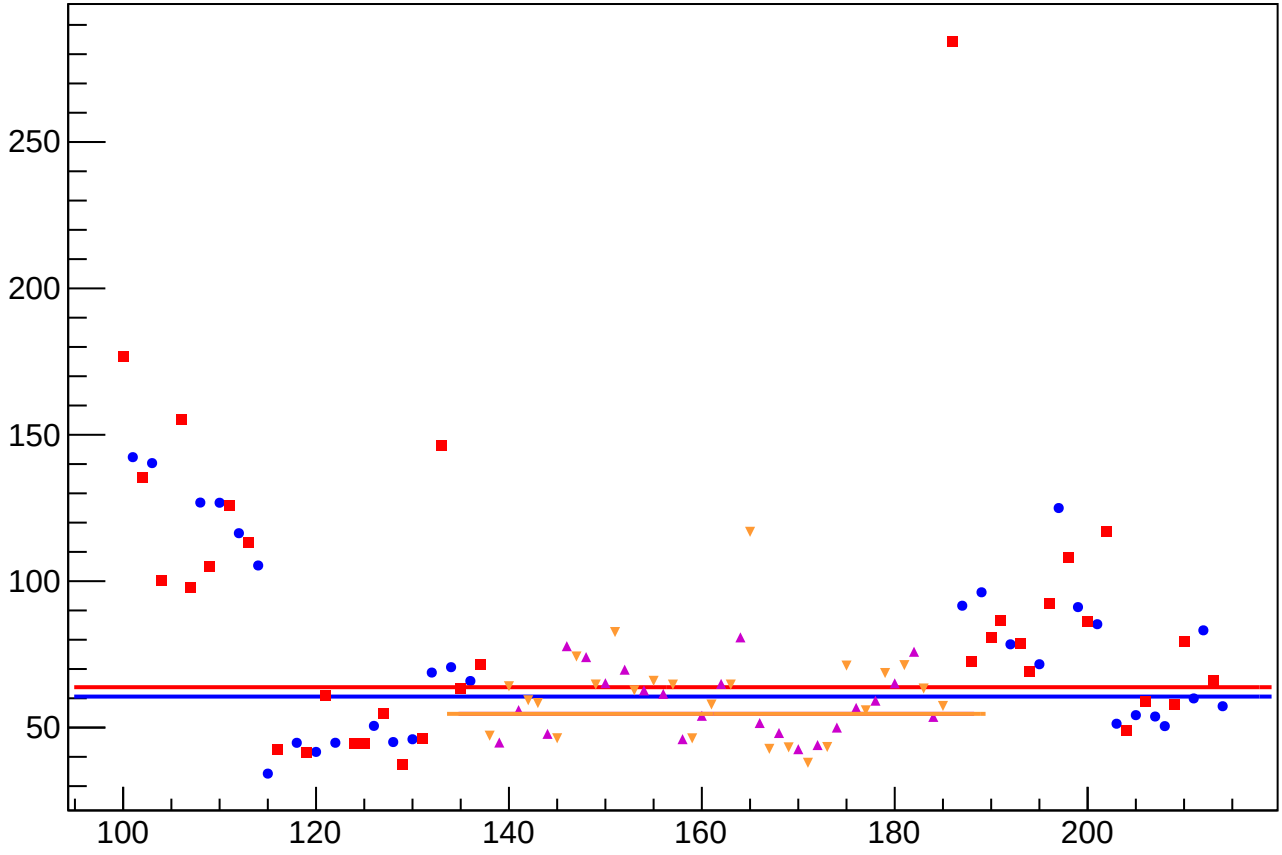
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/54

All: 0.008+/-0.007 χ^2/NDF: 131.7/111

- sign 0.002+/-0.010 χ^2/NDF: 63.9/56

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 60.585+/-0.011 χ^2/NDF: 3576180.4/29

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

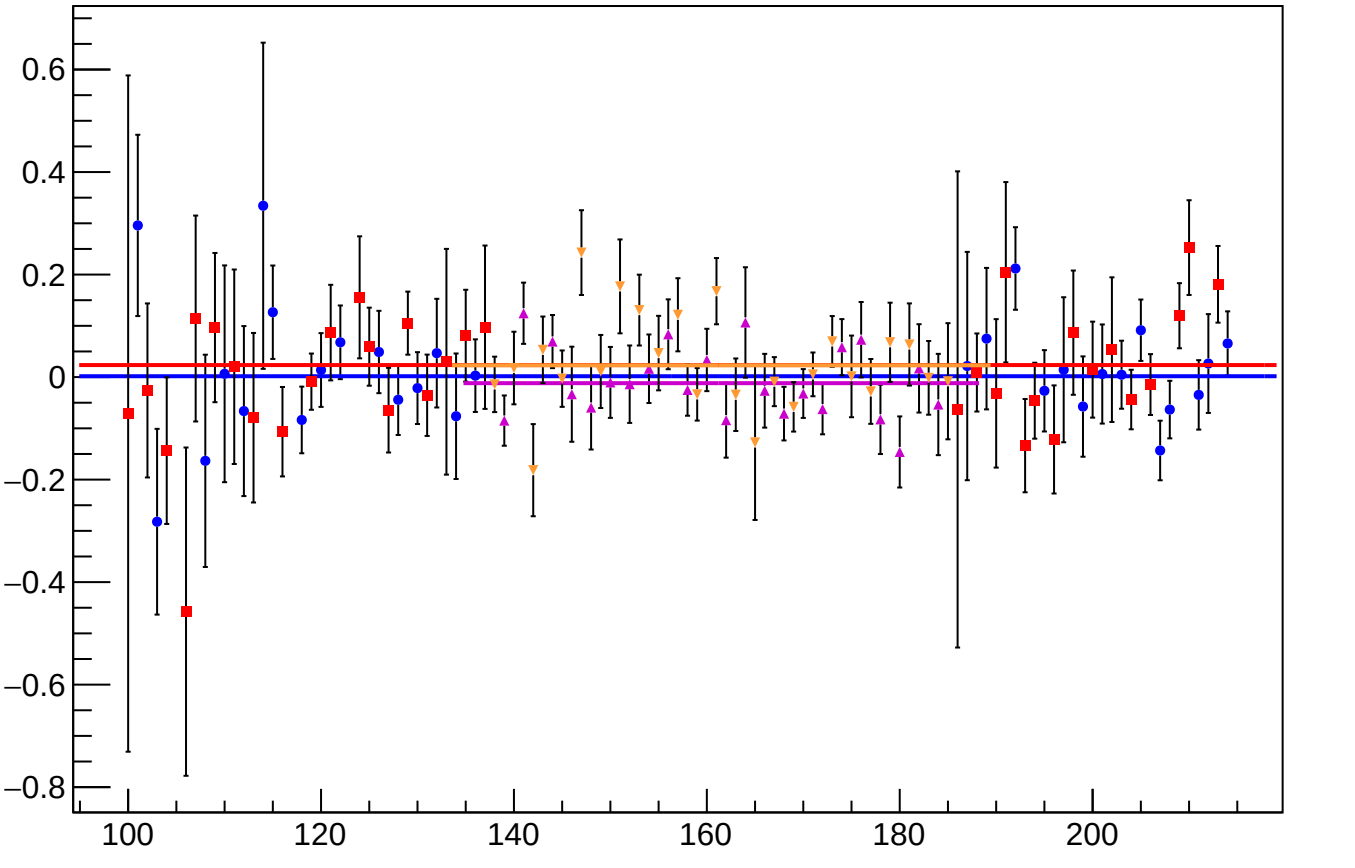
Right Out: 63.789+/-0.011 χ^2/NDF: 4368401.8/33

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.109+/-0.007 χ^2/NDF: 5683741.2/54

All: 57.705+/-0.005 χ^2/NDF: 11636091.2/111

- sign 58.341+/-0.007 χ^2/NDF: 5937449.6/56



Right In: 0.002+/-0.015 χ^2/NDF: 31.9/29

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

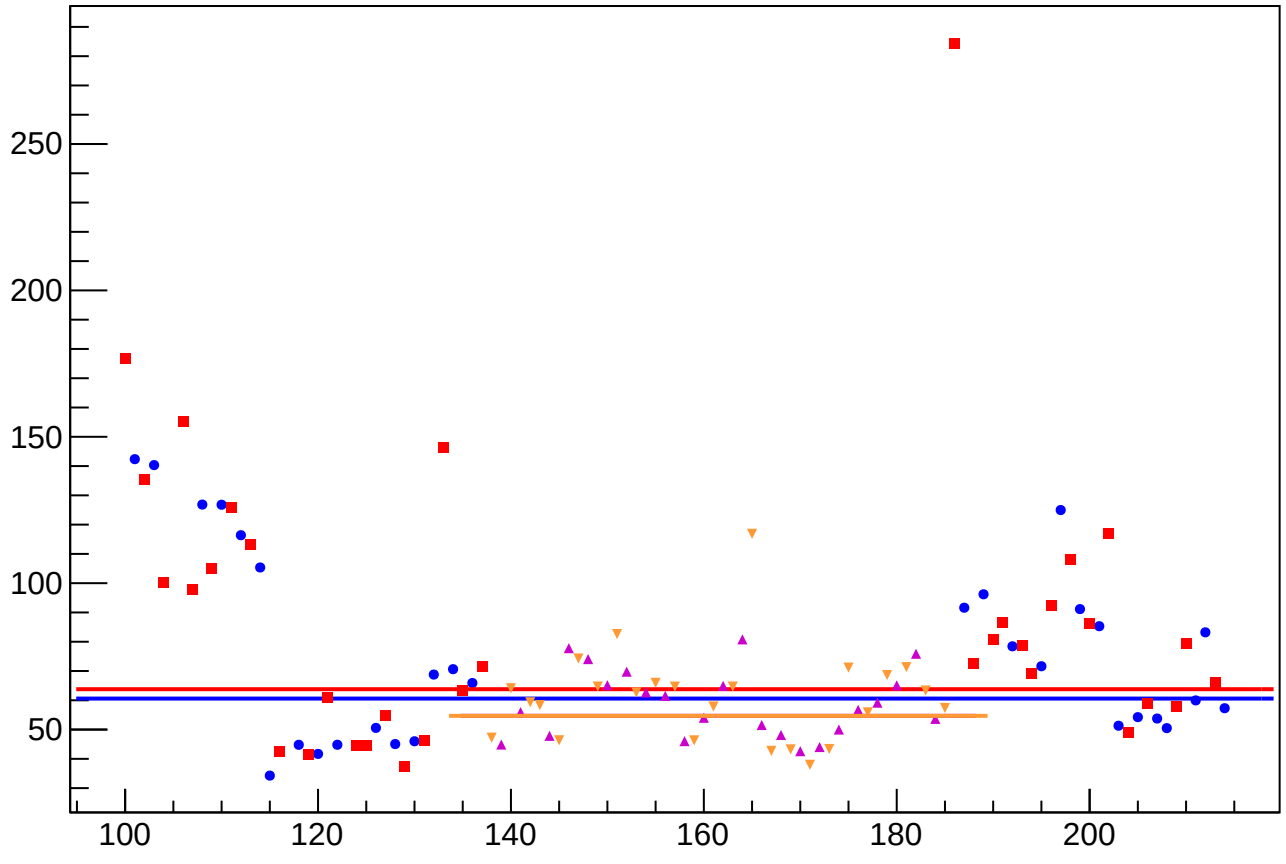
Right Out: 0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/54

All: 0.008+/-0.007 χ^2/NDF: 131.7/111

- sign 0.002+/-0.010 χ^2/NDF: 63.9/56



Right In: 60.585+/-0.011 χ^2/NDF: 3576180.4/29

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

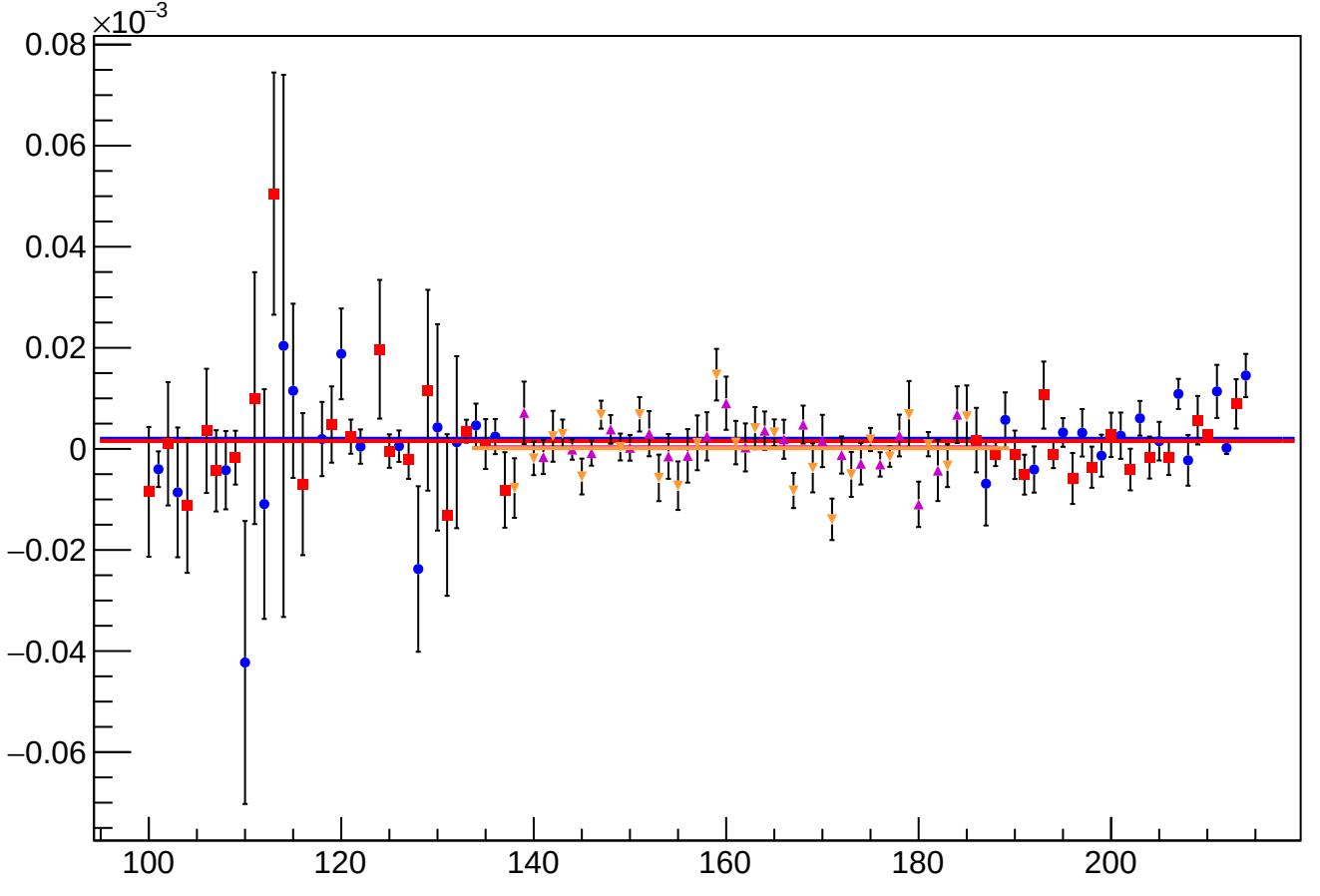
Right Out: 63.789+/-0.011 χ^2/NDF: 4368401.8/33

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 57.109+/-0.007 χ^2/NDF: 5683741.2/54

All: 57.705+/-0.005 χ^2/NDF: 11636091.2/111

\- sign 58.341+/-0.007 χ^2/NDF: 5937449.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 43.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

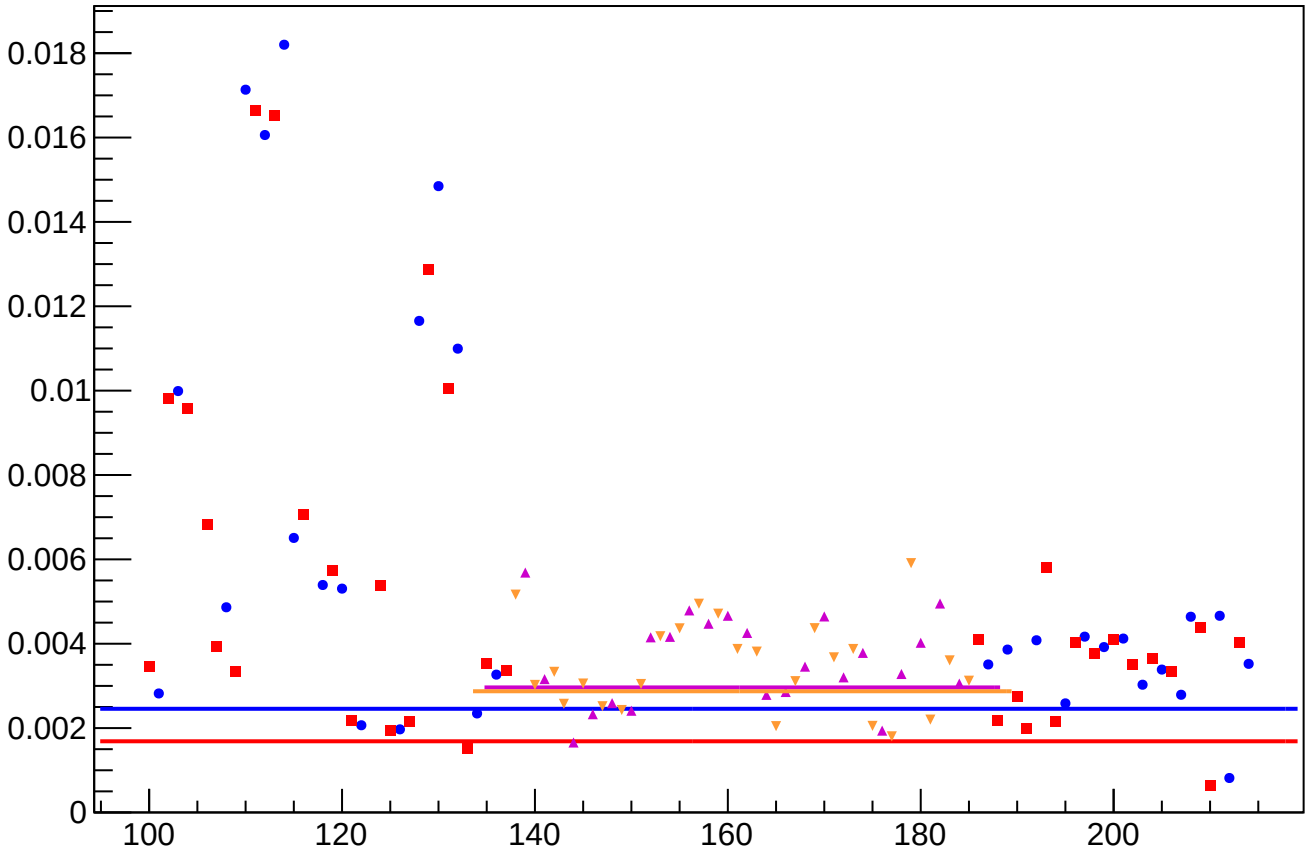
Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/33

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 100.8/54

All: 0.000+/-0.000 χ^2/NDF: 157.7/111

- sign 0.000+/-0.000 χ^2/NDF: 56.9/56



Right In: 0.002+/-0.000 χ^2/NDF: 10928867.4/29

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

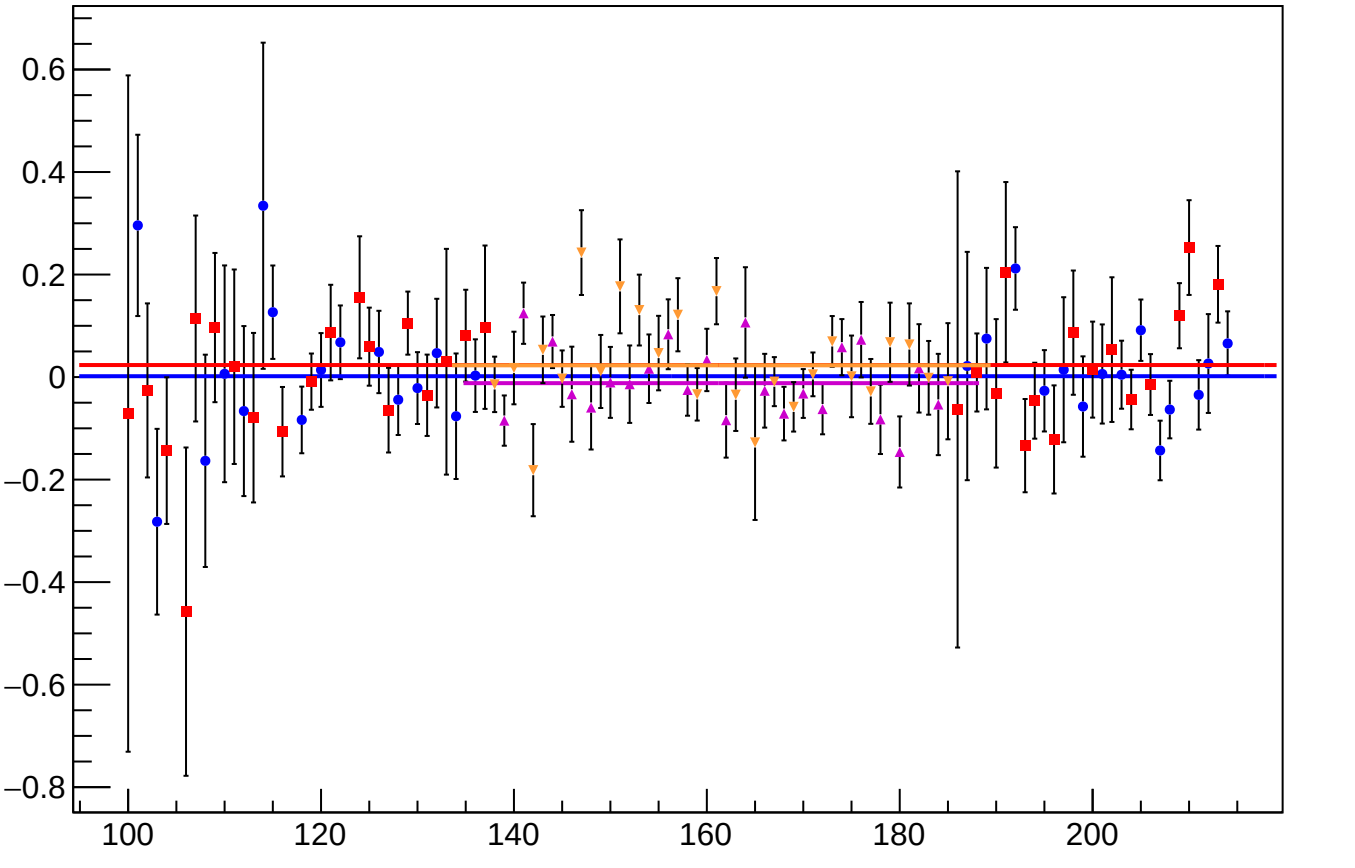
Right Out: 0.002+/-0.000 χ^2/NDF: 15759497.5/33

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 14876964.5/54

All: 0.002+/-0.000 χ^2/NDF: 39396555.1/111

- sign 0.002+/-0.000 χ^2/NDF: 23178072.4/56



Right In: 0.002+/-0.015 χ^2/NDF: 31.9/29

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

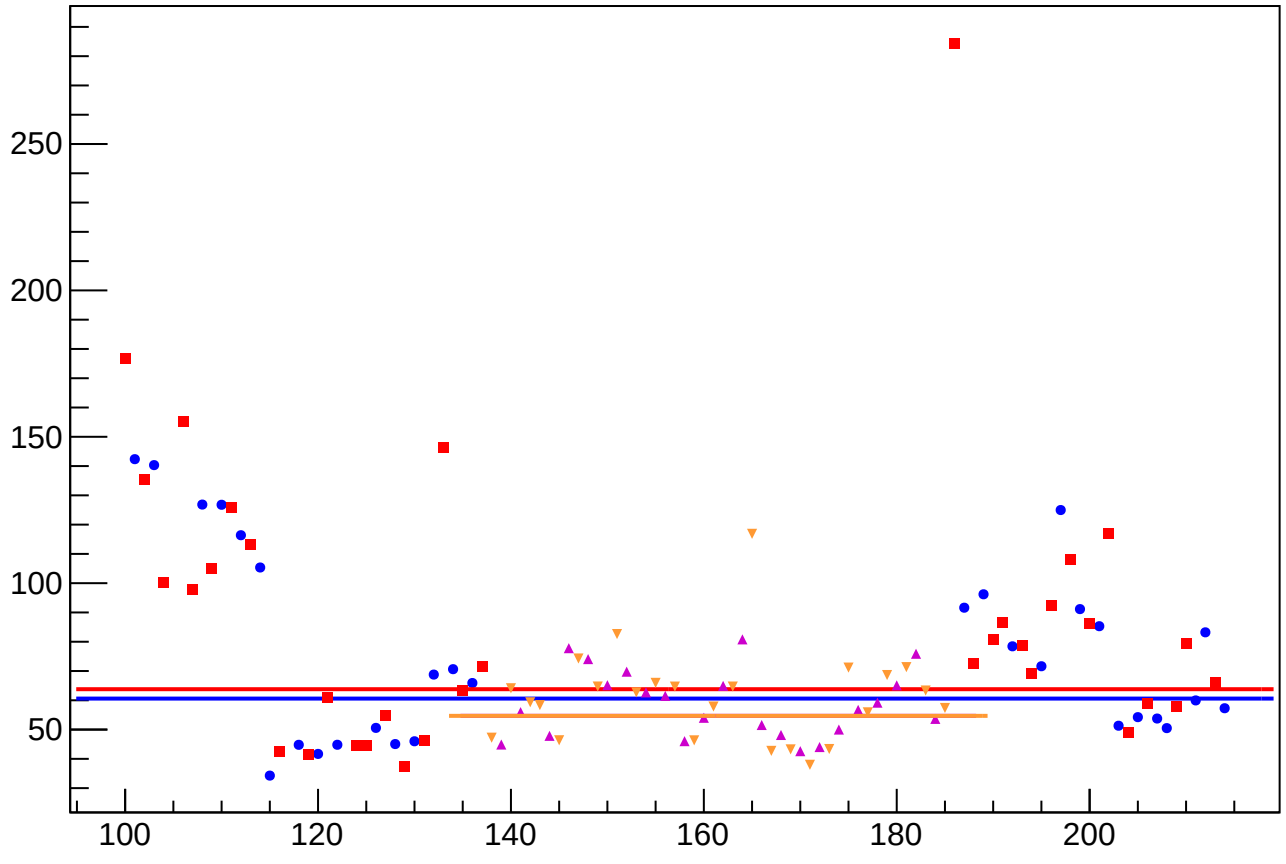
Right Out: 0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/54

All: 0.008+/-0.007 χ^2/NDF: 131.7/111

- sign 0.002+/-0.010 χ^2/NDF: 63.9/56



Right In: 60.584+/-0.011 χ^2/NDF: 3576182.2/29

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

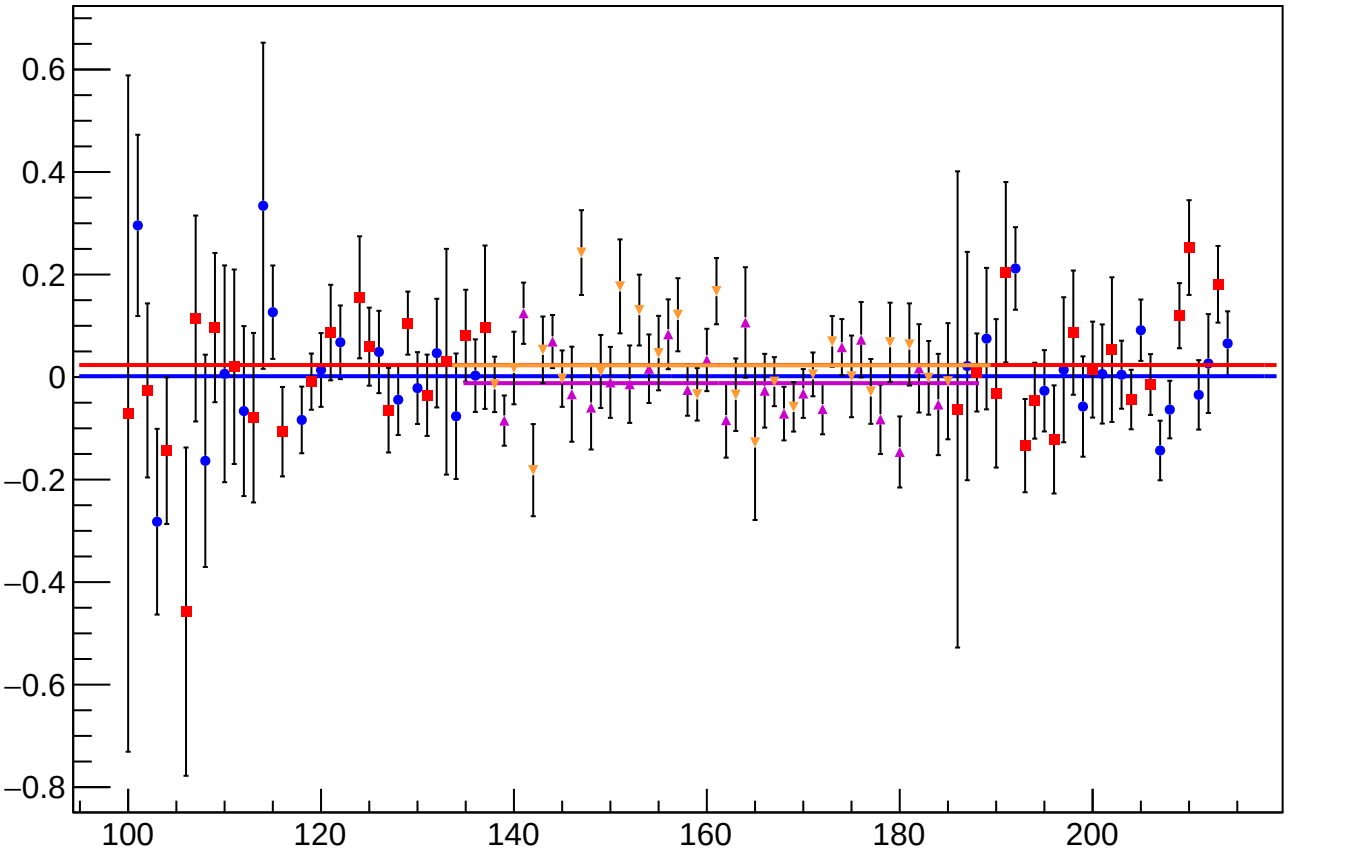
Right Out: 63.789+/-0.011 χ^2/NDF: 4368398.4/33

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 57.109+/-0.007 χ^2/NDF: 5683691.3/54

All: 57.705+/-0.005 χ^2/NDF: 11635941.2/111

\- sign 58.342+/-0.007 χ^2/NDF: 5937345.8/56



Right In: 0.002+/-0.015 χ^2/NDF: 31.9/29

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

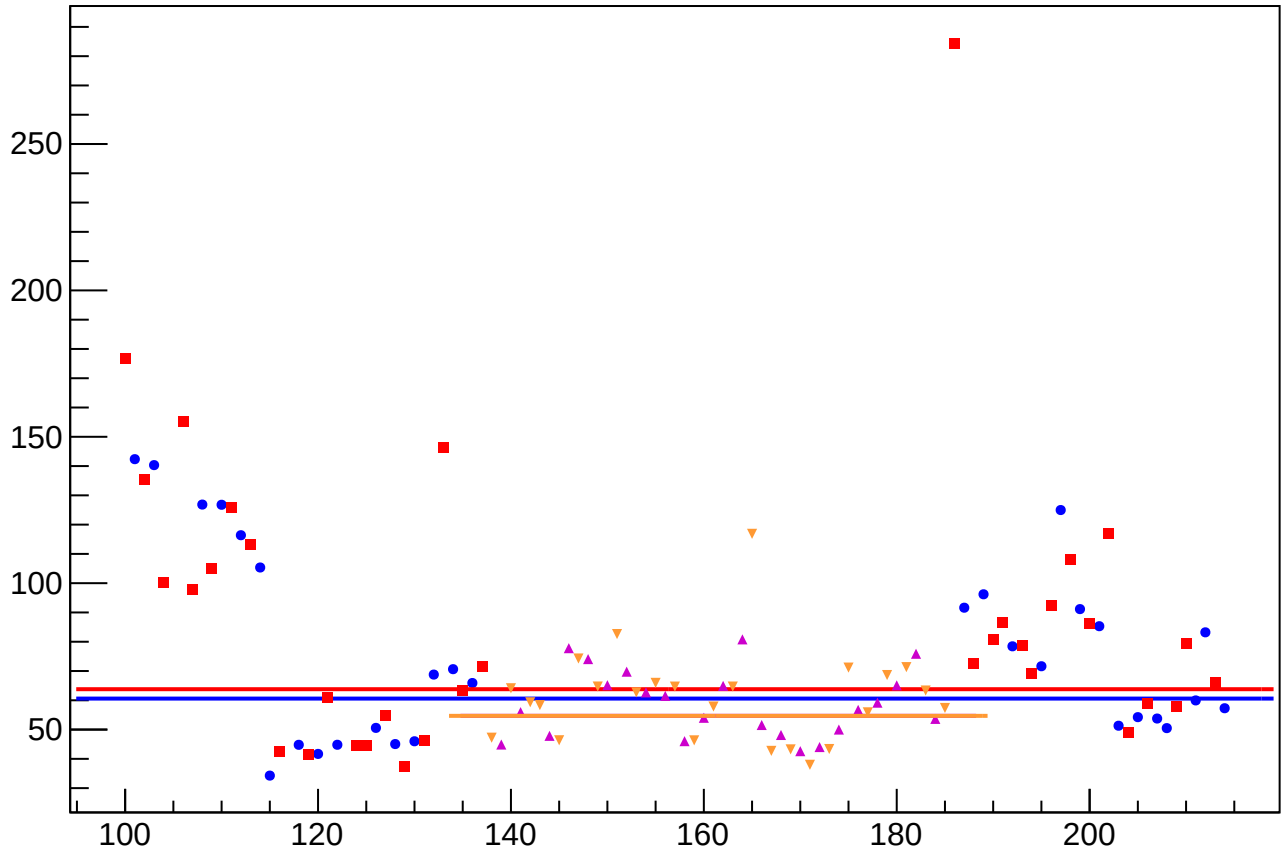
Right Out: 0.023+/-0.016 χ^2/NDF: 35.1/33

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.014+/-0.010 χ^2/NDF: 67.2/54

All: 0.008+/-0.007 χ^2/NDF: 131.7/111

- sign 0.002+/-0.010 χ^2/NDF: 63.9/56



Right In: 60.584+/-0.011 χ^2/NDF: 3576182.2/29

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.789+/-0.011 χ^2/NDF: 4368398.4/33

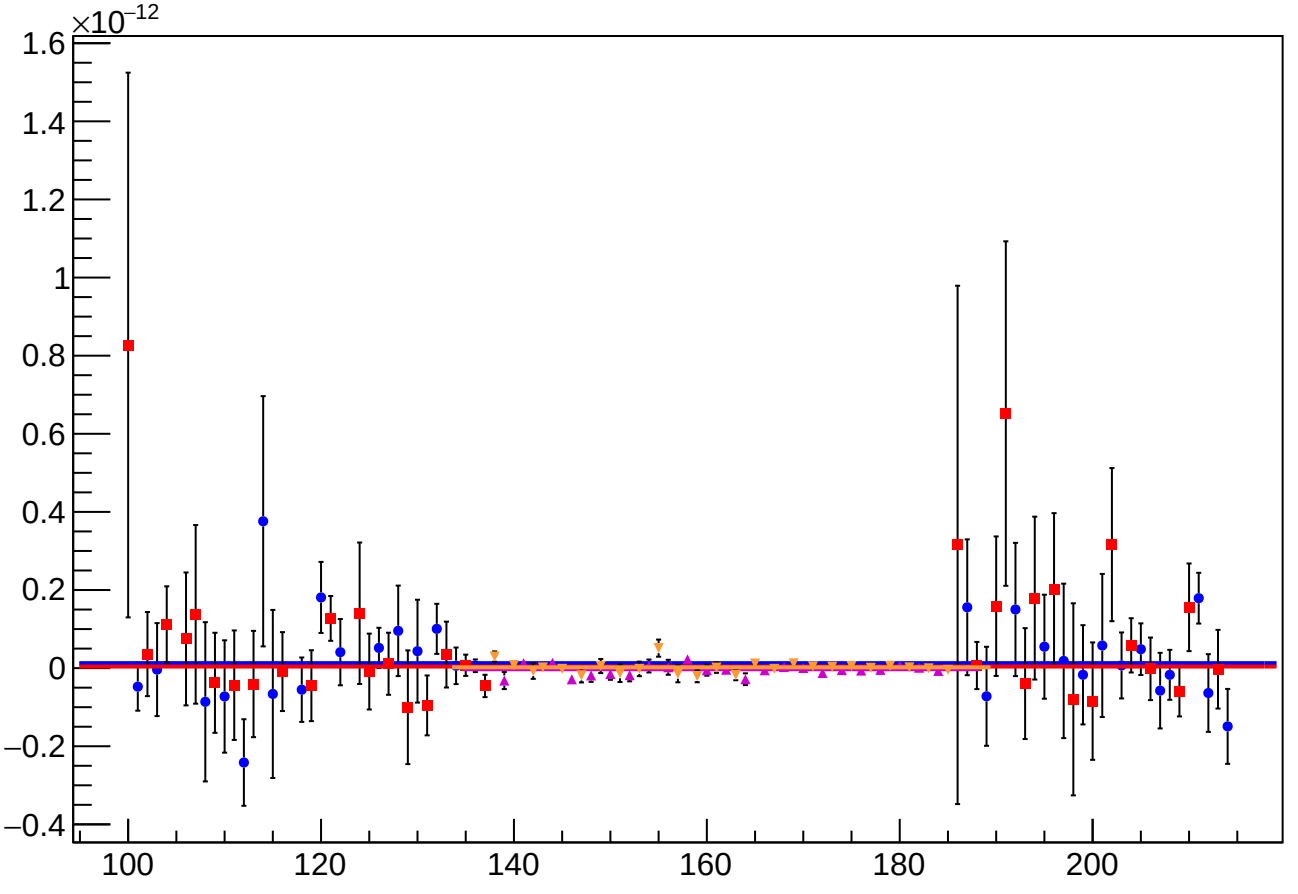
Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

\+ sign 57.109+/-0.007 χ^2/NDF: 5683691.3/54

All: 57.705+/-0.005 χ^2/NDF: 11635941.2/111

\- sign 58.342+/-0.007 χ^2/NDF: 5937345.8/56

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

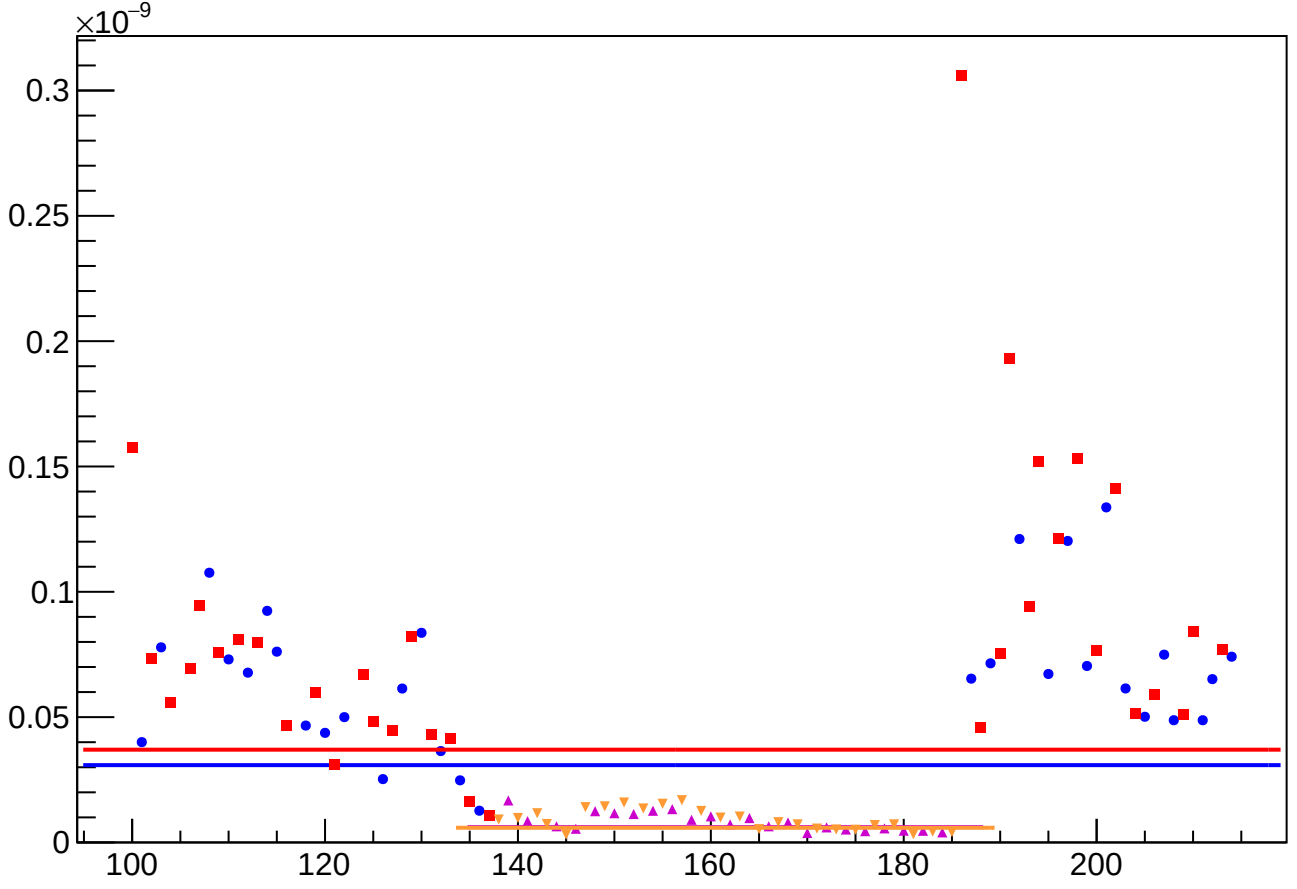
Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/33

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.2/54

All: -0.000+/-0.000 χ^2/NDF: 113.1/111

- sign -0.000+/-0.000 χ^2/NDF: 59.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8496239.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8630550.0/33

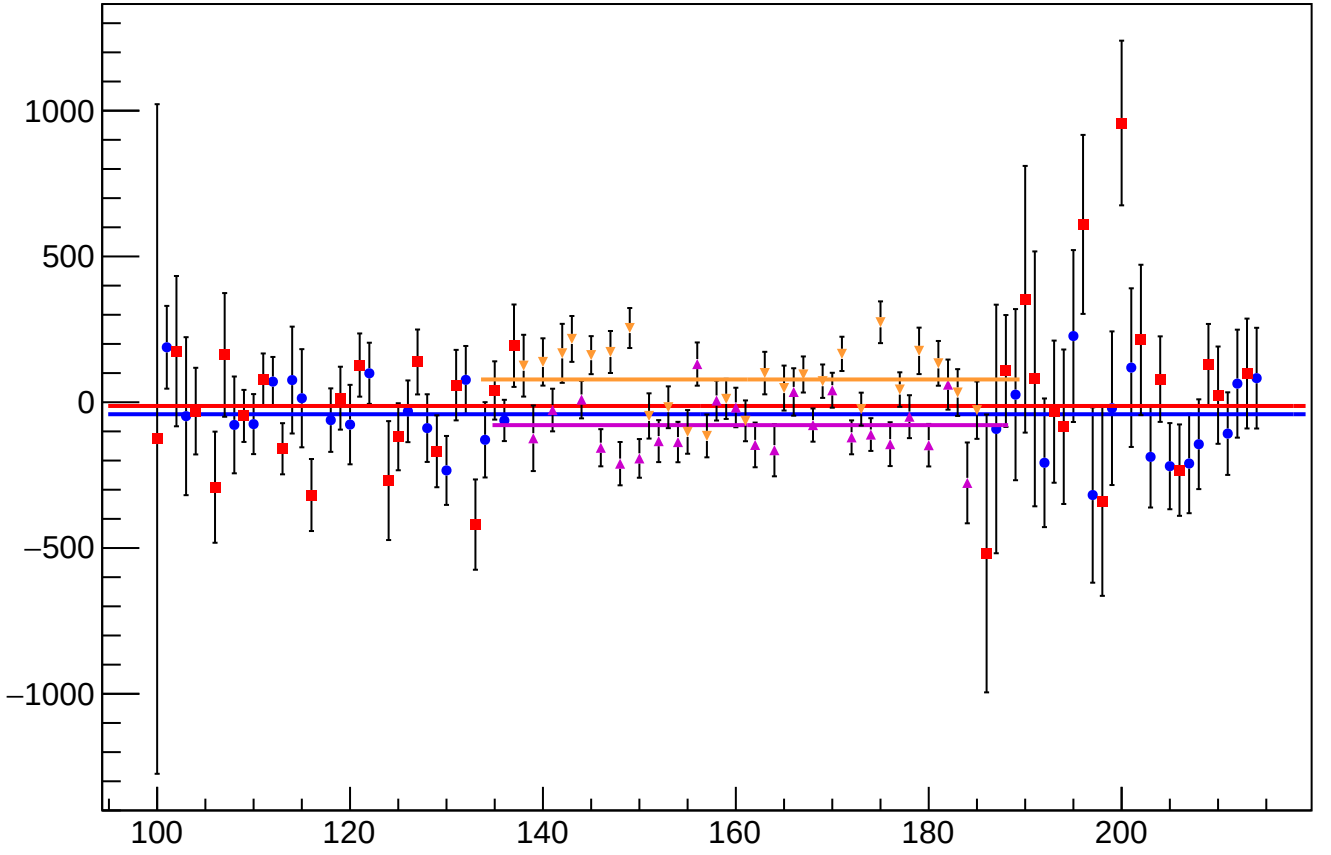
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 23077137.6/54

All: 0.000+/-0.000 χ^2/NDF: 45217692.3/111

- sign 0.000+/-0.000 χ^2/NDF: 22122194.2/56

reg_asym_sam_37_avg_mean vs Slug



Right In: -41.120+/-25.379 χ^2/NDF: 18.7/29

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -12.805+/-25.332 χ^2/NDF: 54.5/33

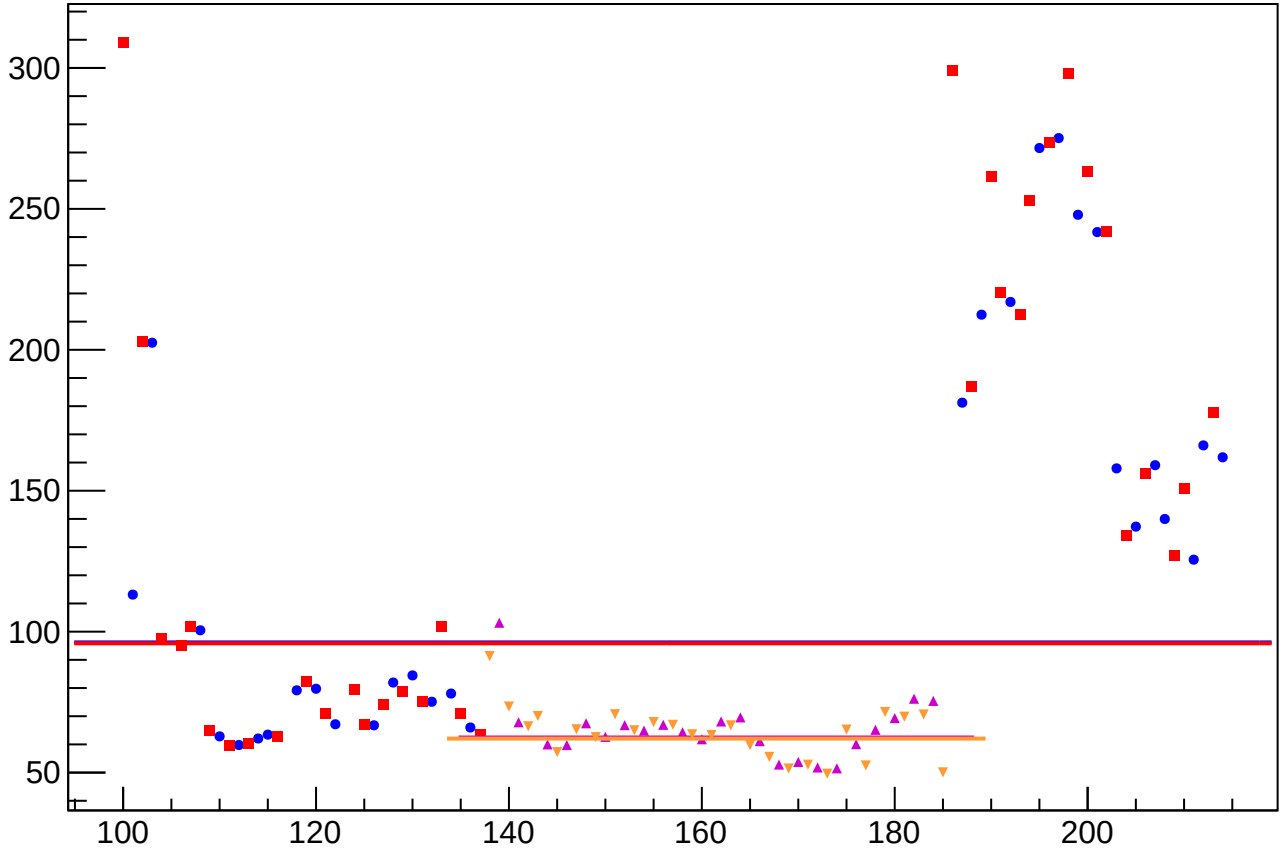
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.338+/-12.475 χ^2/NDF: 89.3/54

All: -4.848+/-8.929 χ^2/NDF: 224.2/111

- sign -61.767+/-12.786 χ^2/NDF: 96.2/56

reg_asym_sam_37_avg_rms vs Slug



Right In: 96.183+/-0.018 χ^2/NDF: 7113108.1/29

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

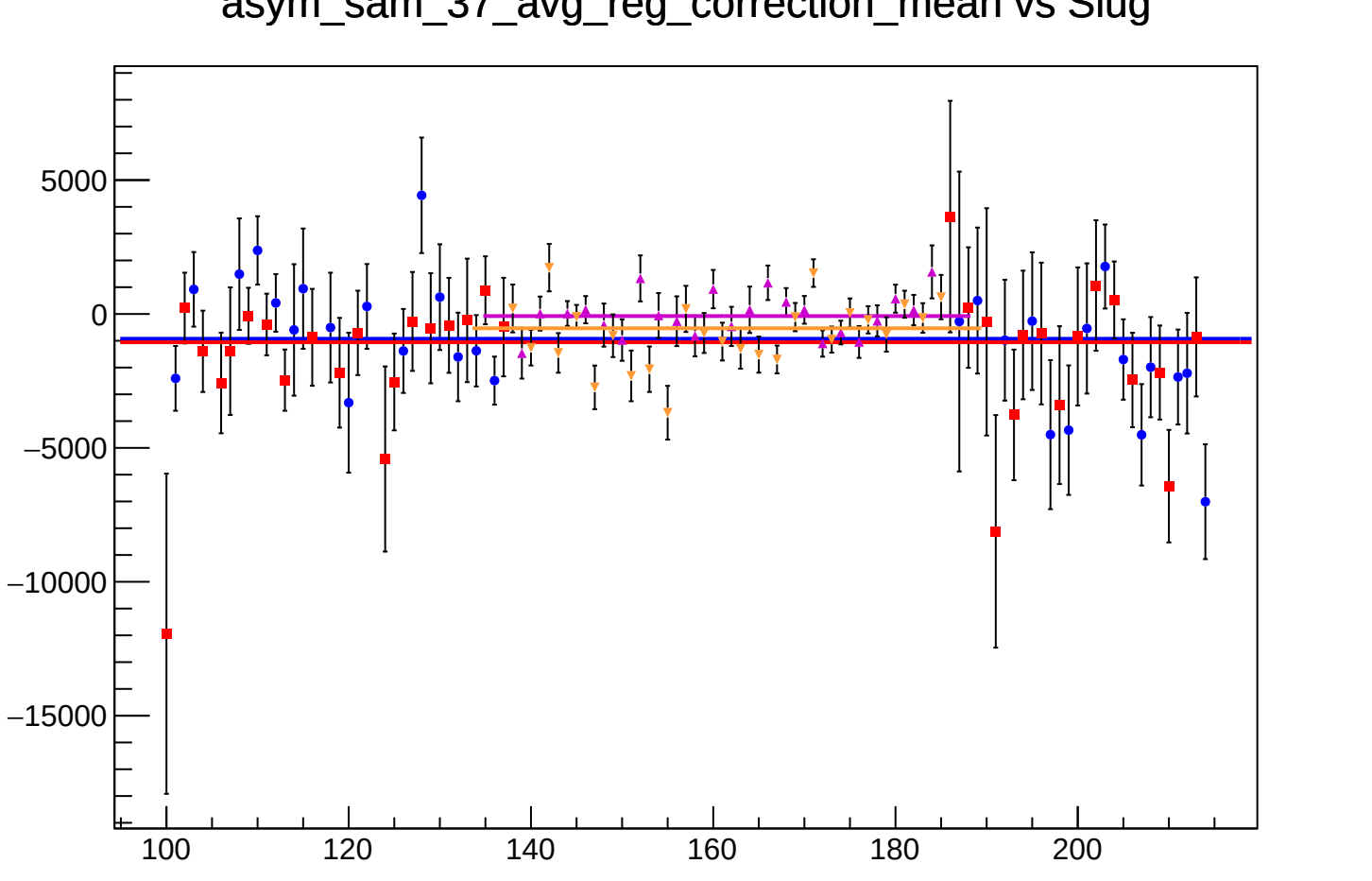
Right Out: 95.868+/-0.018 χ^2/NDF: 8453305.7/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.307+/-0.009 χ^2/NDF: 10541069.5/54

All: 70.626+/-0.006 χ^2/NDF: 22256302.3/111

- sign 70.960+/-0.009 χ^2/NDF: 11712558.2/56



Right In: -925.270+/-312.484 χ^2/NDF: 45.4/29

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1055.644+/-315.383 χ^2/NDF: 28.9/33

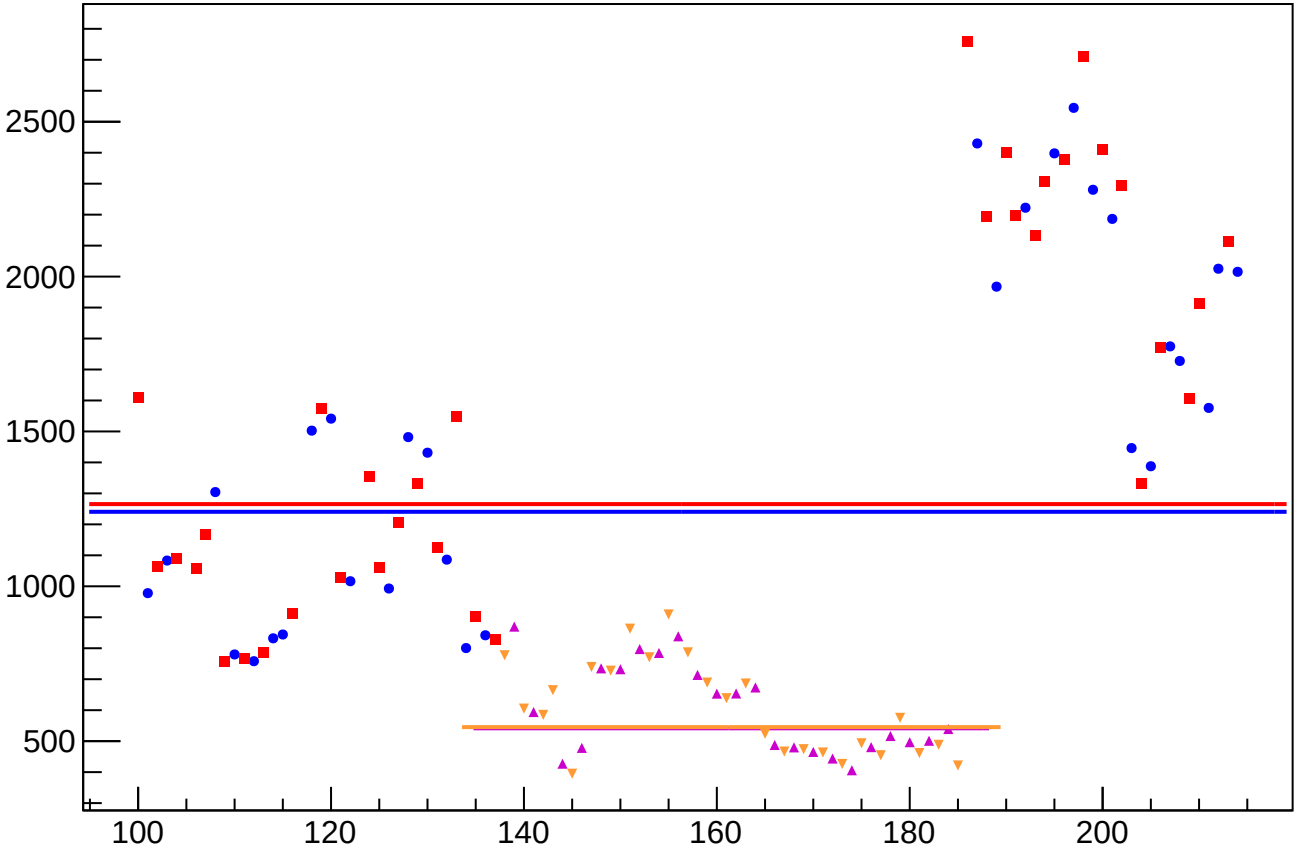
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -589.117+/-118.390 χ^2/NDF: 115.8/54

All: -407.756+/-84.430 χ^2/NDF: 186.1/111

- sign -220.058+/-120.440 χ^2/NDF: 65.5/56

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1240.557+/-0.221 χ^2/NDF: 4779466.5/29

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1265.423+/-0.223 χ^2/NDF: 5573099.6/33

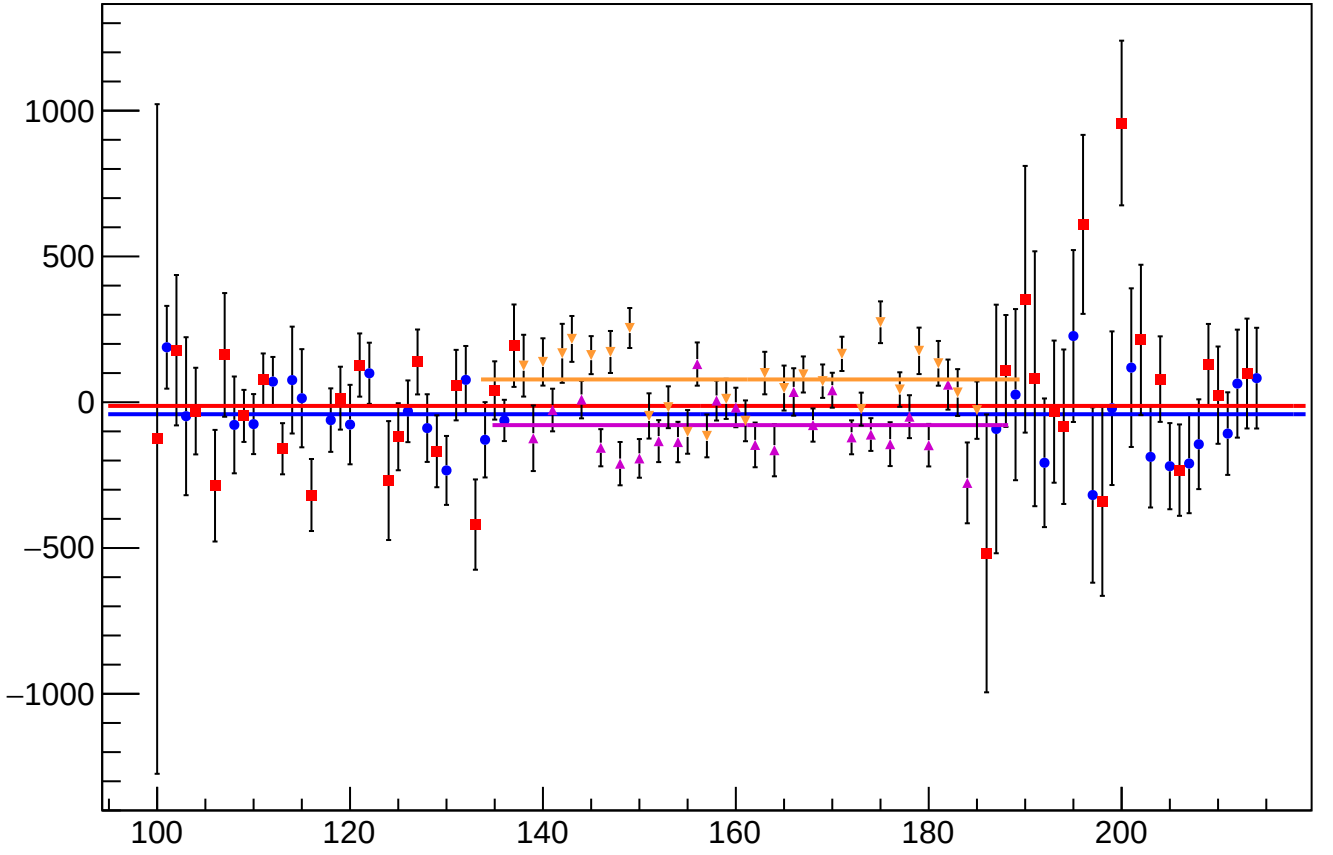
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 645.101+/-0.084 χ^2/NDF: 15342606.1/54

All: 646.053+/-0.060 χ^2/NDF: 31758112.7/11

- sign 647.039+/-0.085 χ^2/NDF: 16415243.3/56

cor_asym_sam_37_avg_mean vs Slug



Right In: -41.128+/-25.379 χ^2/NDF: 18.7/29

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -12.644+/-25.334 χ^2/NDF: 54.5/33

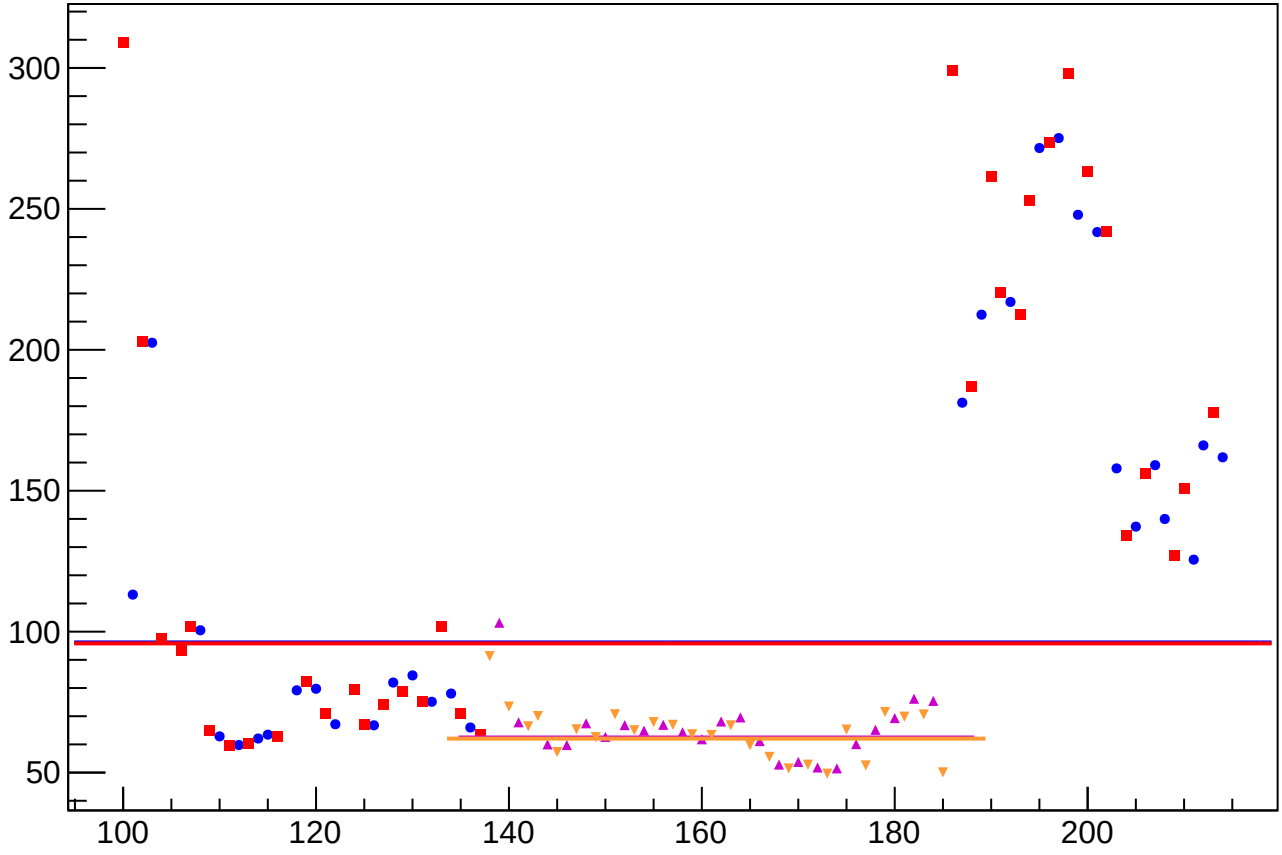
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.339+/-12.475 χ^2/NDF: 89.3/54

All: -4.828+/-8.929 χ^2/NDF: 224.1/111

- sign -61.729+/-12.786 χ^2/NDF: 96.1/56

cor_asym_sam_37_avg_rms vs Slug



Right In: 96.183+/-0.018 χ^2/NDF: 7113110.5/29

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

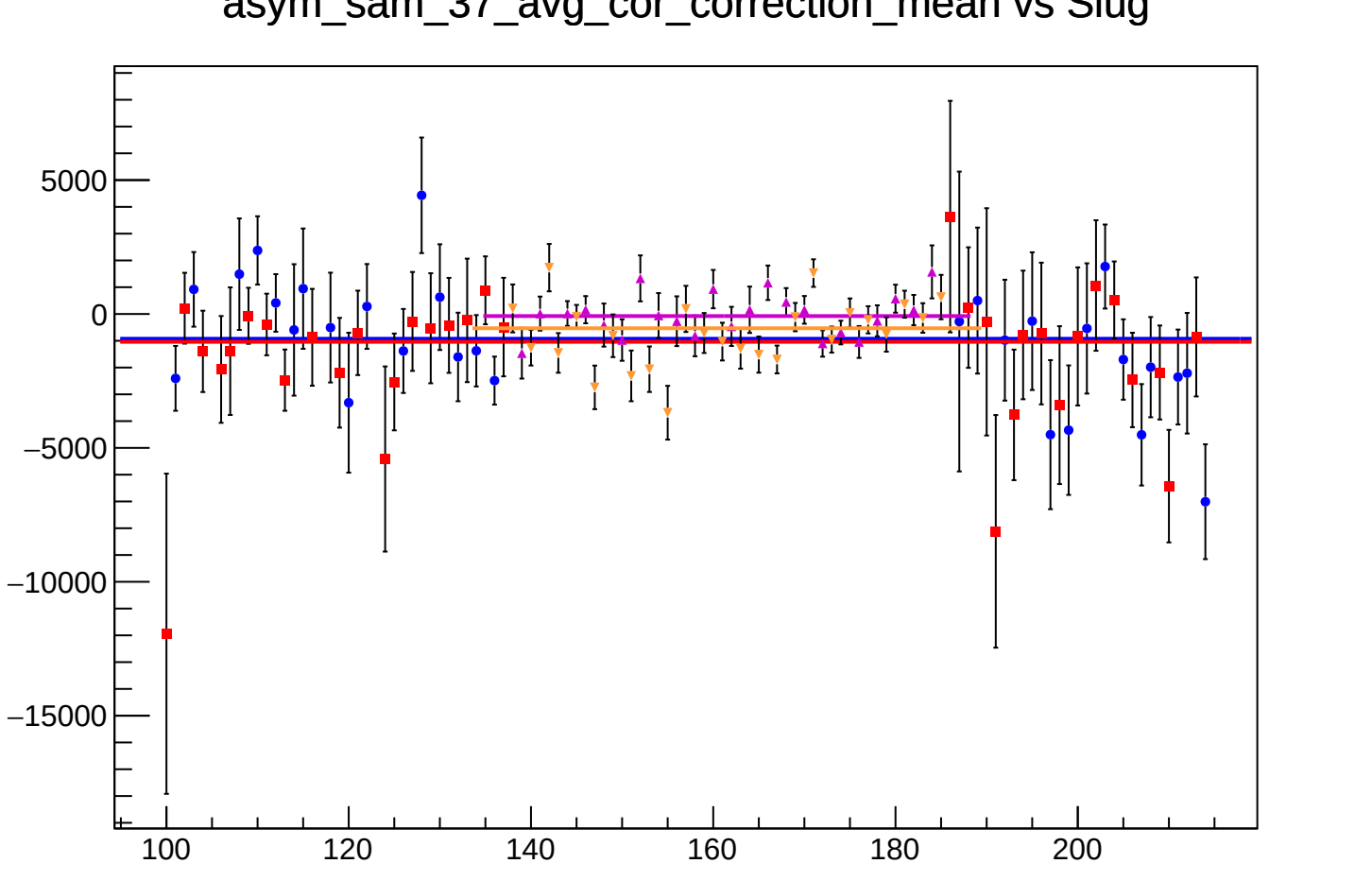
Right Out: 95.838+/-0.018 χ^2/NDF: 8453839.8/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.307+/-0.009 χ^2/NDF: 10541071.4/54

All: 70.621+/-0.006 χ^2/NDF: 22251858.4/111

- sign 70.952+/-0.009 χ^2/NDF: 11708182.1/56



Right In: -925.265+/-312.485 χ^2/NDF: 45.4/29

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -1038.611+/-315.902 χ^2/NDF: 28.5/33

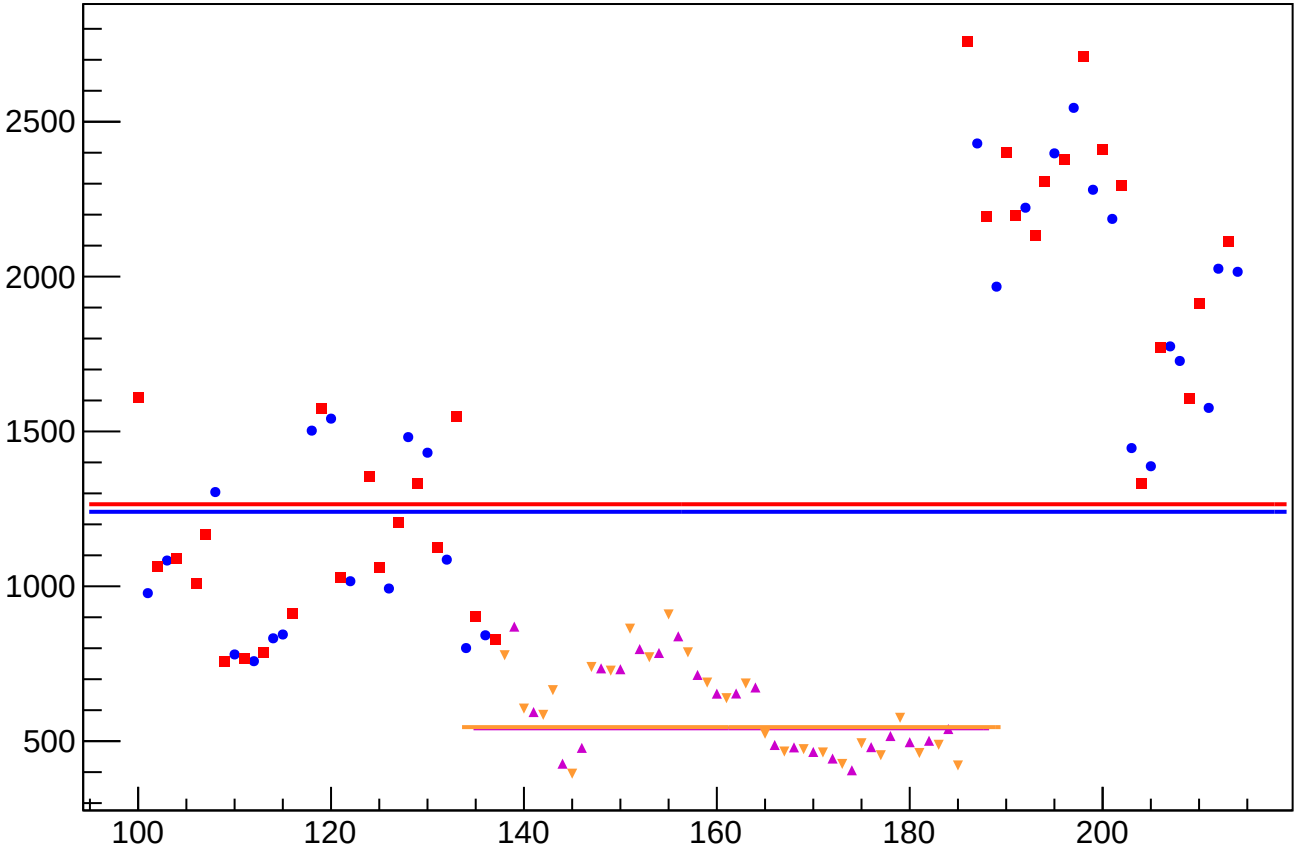
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -589.113+/-118.390 χ^2/NDF: 115.8/54

All: -406.385+/-84.440 χ^2/NDF: 185.5/111

- sign -217.180+/-120.469 χ^2/NDF: 64.8/56

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1240.564+/-0.221 χ^2/NDF: 4779431.8/29

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1264.943+/-0.223 χ^2/NDF: 5581132.2/33

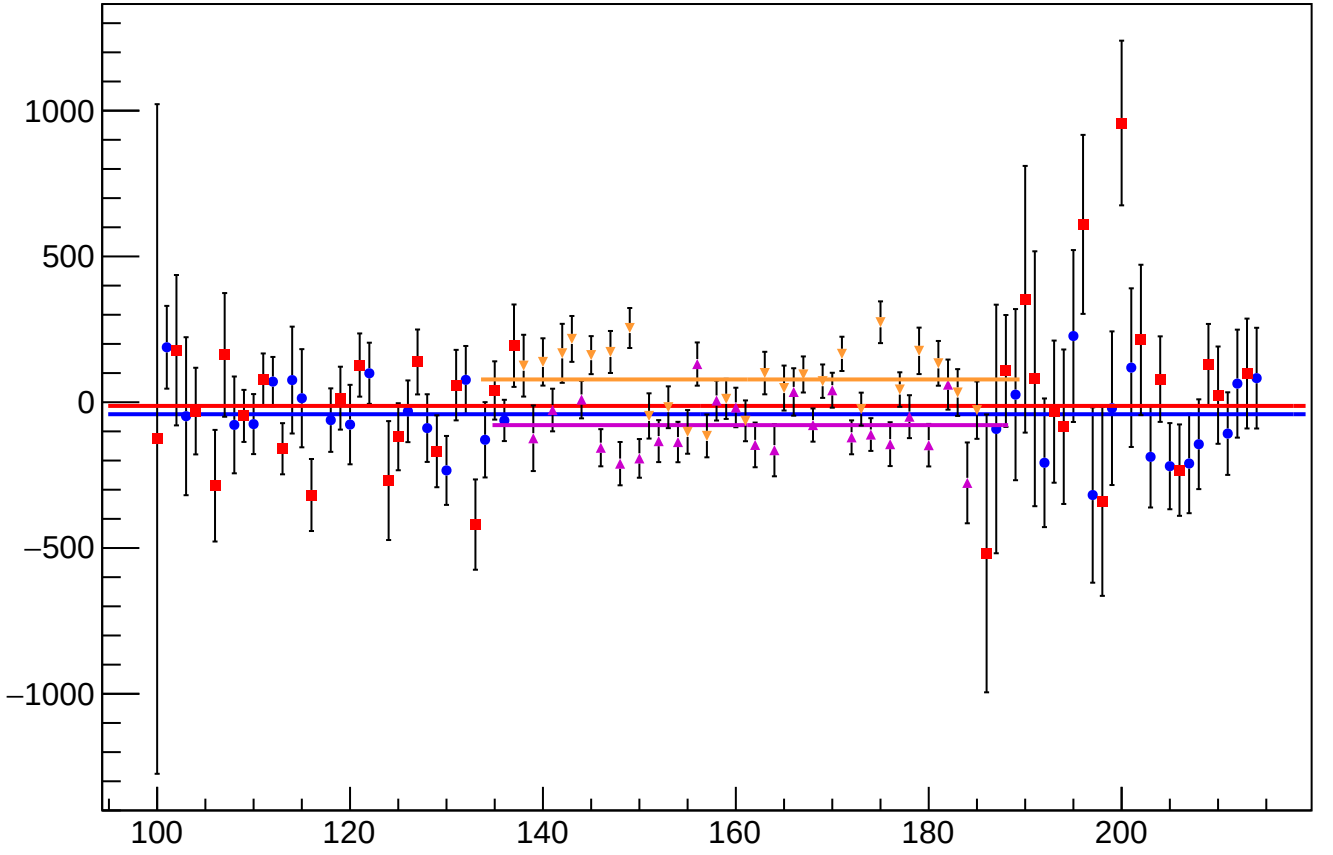
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 645.101+/-0.084 χ^2/NDF: 15342661.8/54

All: 645.873+/-0.060 χ^2/NDF: 31728971.9/11

- sign 646.673+/-0.085 χ^2/NDF: 16386136.9/56

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -41.128+/-25.379 χ^2/NDF: 18.7/29

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -12.644+/-25.334 χ^2/NDF: 54.5/33

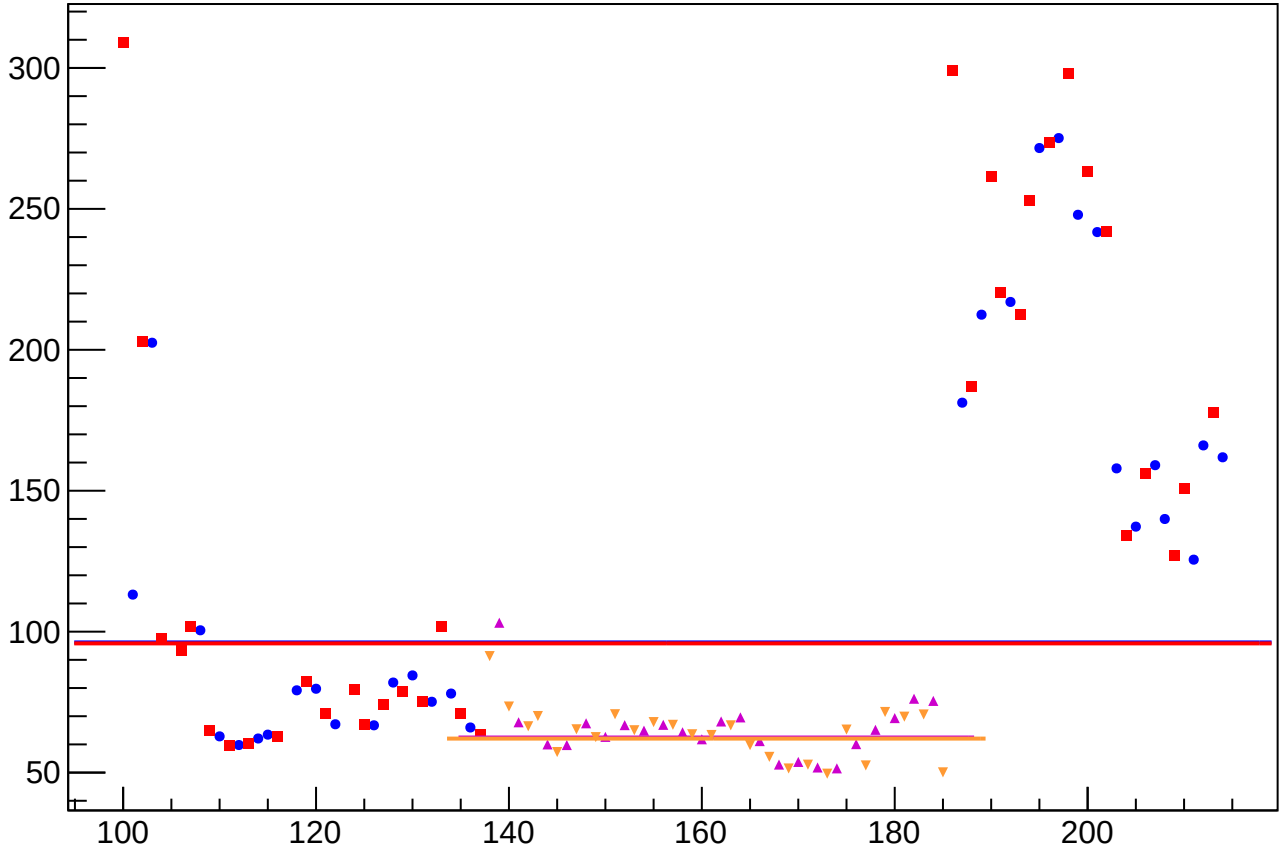
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 49.339+/-12.475 χ^2/NDF: 89.3/54

All: -4.828+/-8.929 χ^2/NDF: 224.1/111

- sign -61.729+/-12.786 χ^2/NDF: 96.1/56

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 96.183+/-0.018 χ^2/NDF: 7113110.5/29

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

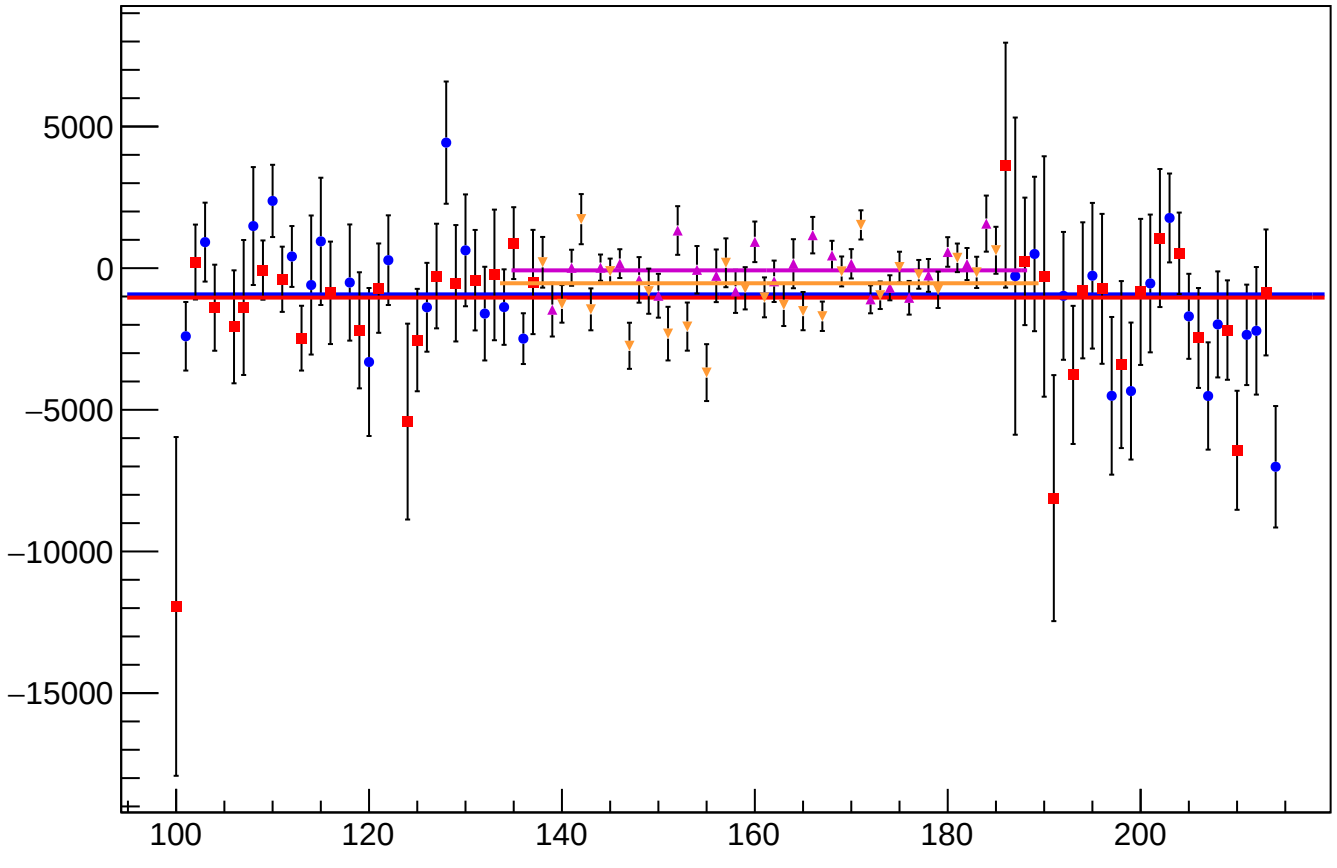
Right Out: 95.838+/-0.018 χ^2/NDF: 8453839.8/33

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 70.307+/-0.009 χ^2/NDF: 10541071.4/54

All: 70.621+/-0.006 χ^2/NDF: 22251858.4/111

- sign 70.952+/-0.009 χ^2/NDF: 11708182.1/56



Right In: -925.265+/-312.485 χ^2/NDF: 45.4/29

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

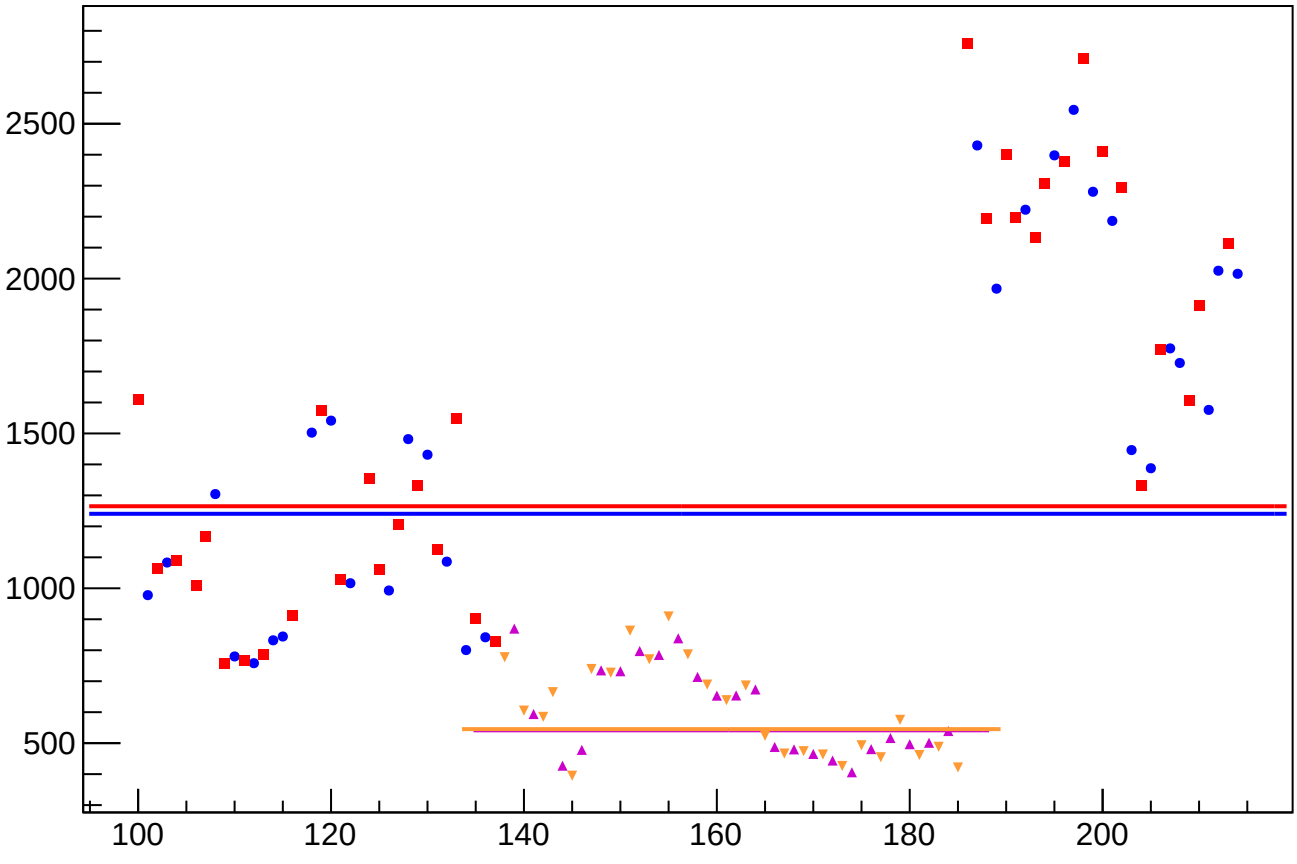
Right Out: -1038.611+/-315.902 χ^2/NDF: 28.5/33

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -589.113+/-118.390 χ^2/NDF: 115.8/54

All: -406.385+/-84.440 χ^2/NDF: 185.5/111

- sign -217.180+/-120.469 χ^2/NDF: 64.8/56



Right In: 1240.564+/-0.221 χ^2/NDF: 4779431.8/29

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1264.943+/-0.223 χ^2/NDF: 5581132.2/33

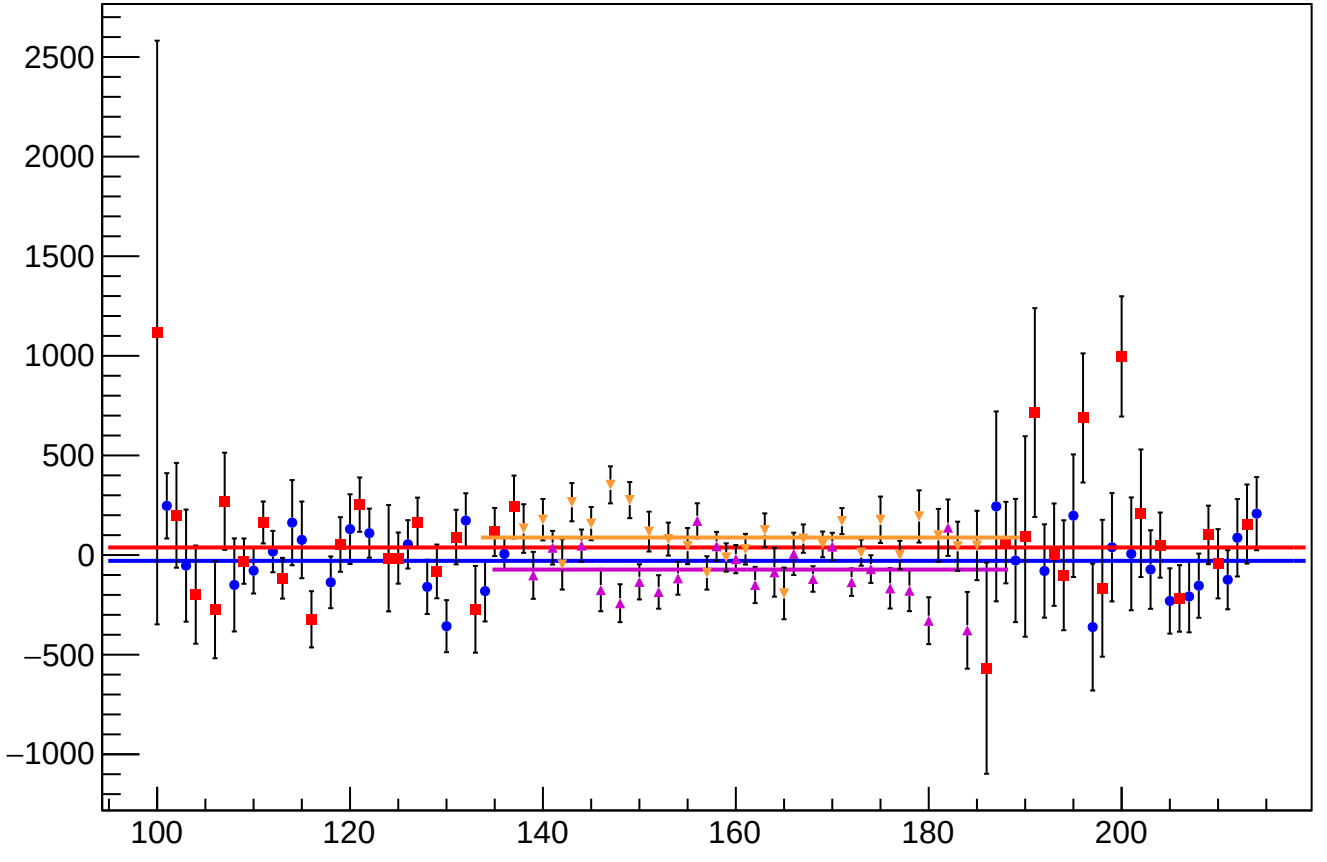
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 645.101+/-0.084 χ^2/NDF: 15342661.8/54

All: 645.873+/-0.060 χ^2/NDF: 31728971.9/11

- sign 646.673+/-0.085 χ^2/NDF: 16386136.9/56

dit_asym_sam_37_avg_mean vs Slug



Right In: -29.033+/-28.980 χ^2/NDF: 26.1/29

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 38.127+/-29.597 χ^2/NDF: 44.9/33

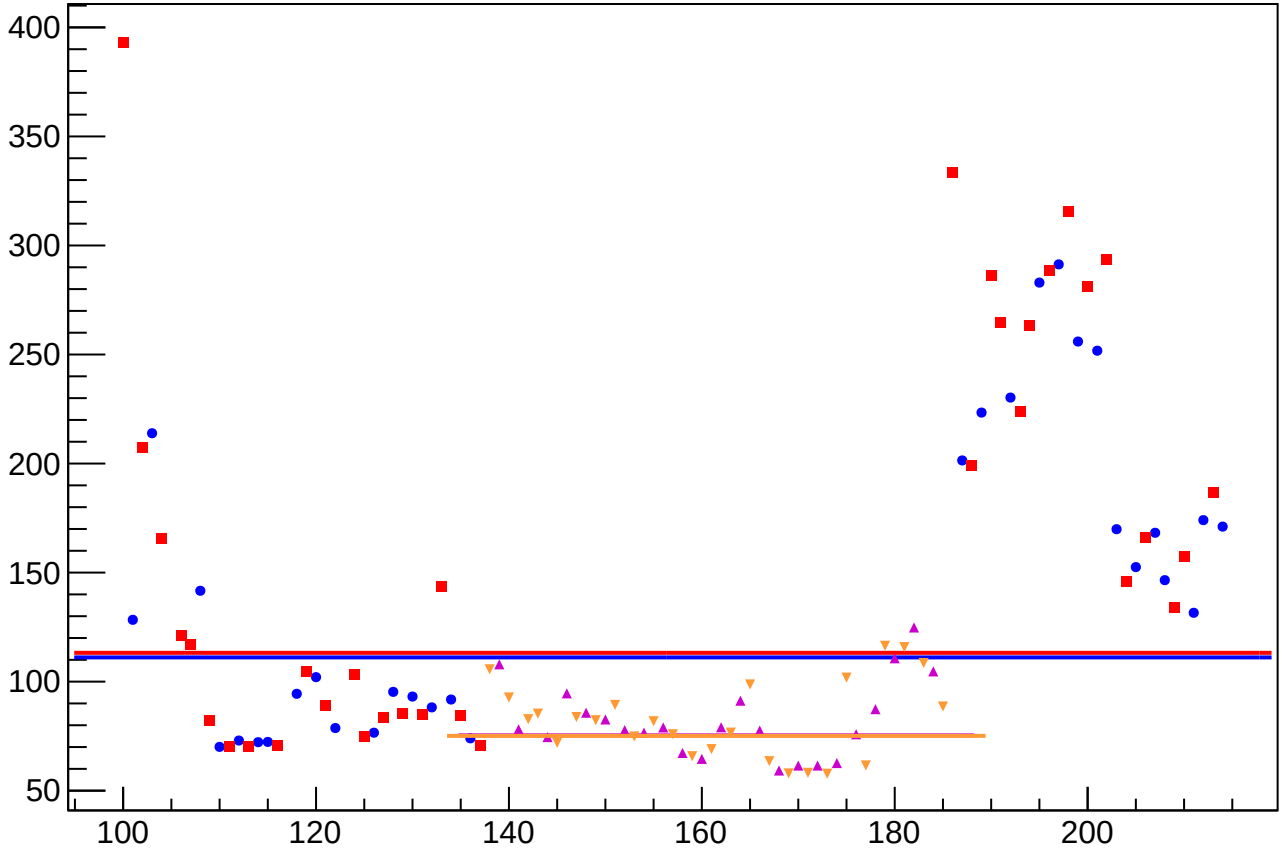
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 56.117+/-15.133 χ^2/NDF: 74.9/54

All: 8.287+/-10.845 χ^2/NDF: 188.9/111

- sign -42.216+/-15.550 χ^2/NDF: 93.5/56

dit_asym_sam_37_avg_rms vs Slug



Right In: 111.106+/-0.020 χ^2/NDF: 6161078.8/29

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 113.214+/-0.021 χ^2/NDF: 7579186.8/33

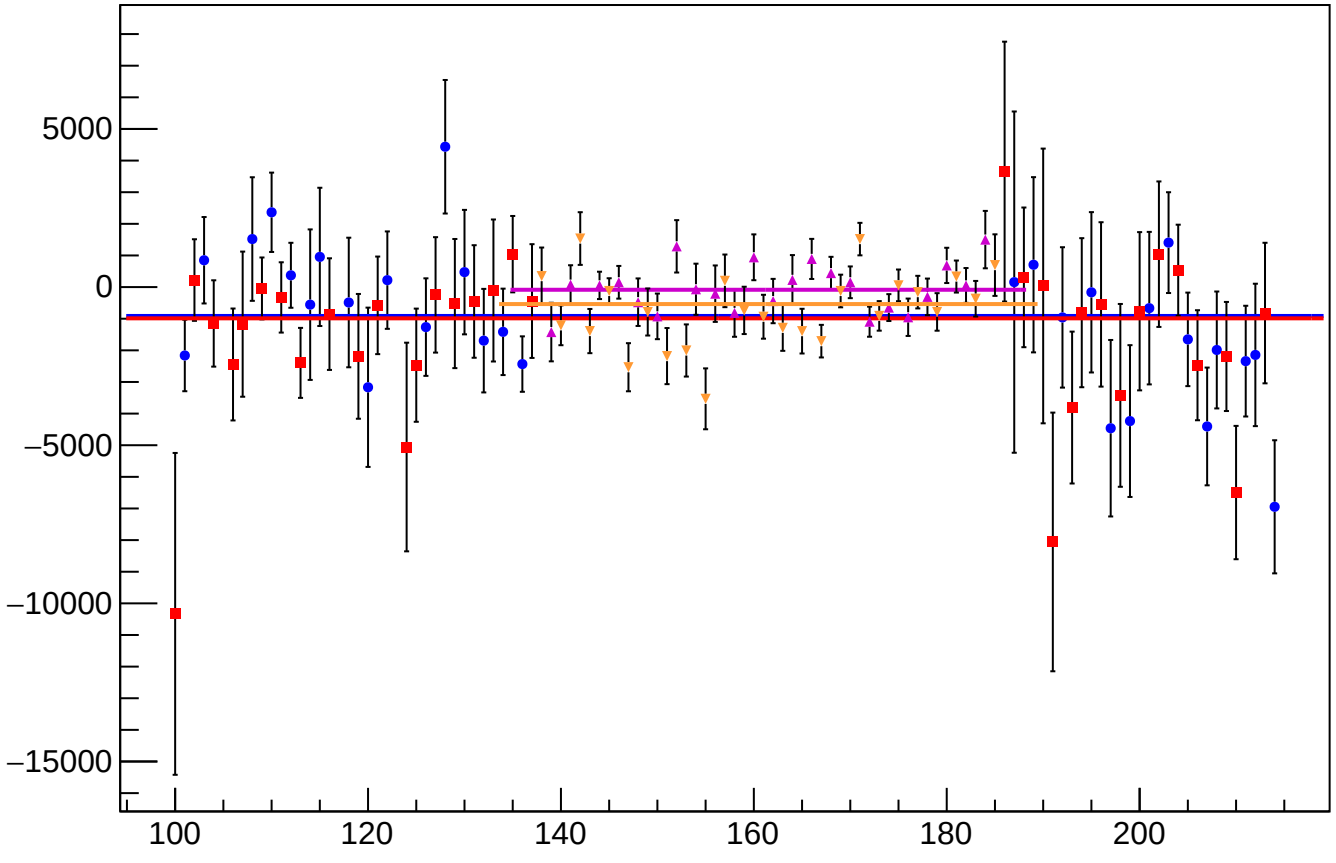
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 84.938+/-0.011 χ^2/NDF: 10004508.1/54

All: 85.363+/-0.008 χ^2/NDF: 21180272.8/111

- sign 85.811+/-0.011 χ^2/NDF: 11172530.1/56

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -913.176+/-306.275 χ^2/NDF: 44.7/29

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -988.248+/-305.254 χ^2/NDF: 30.6/33

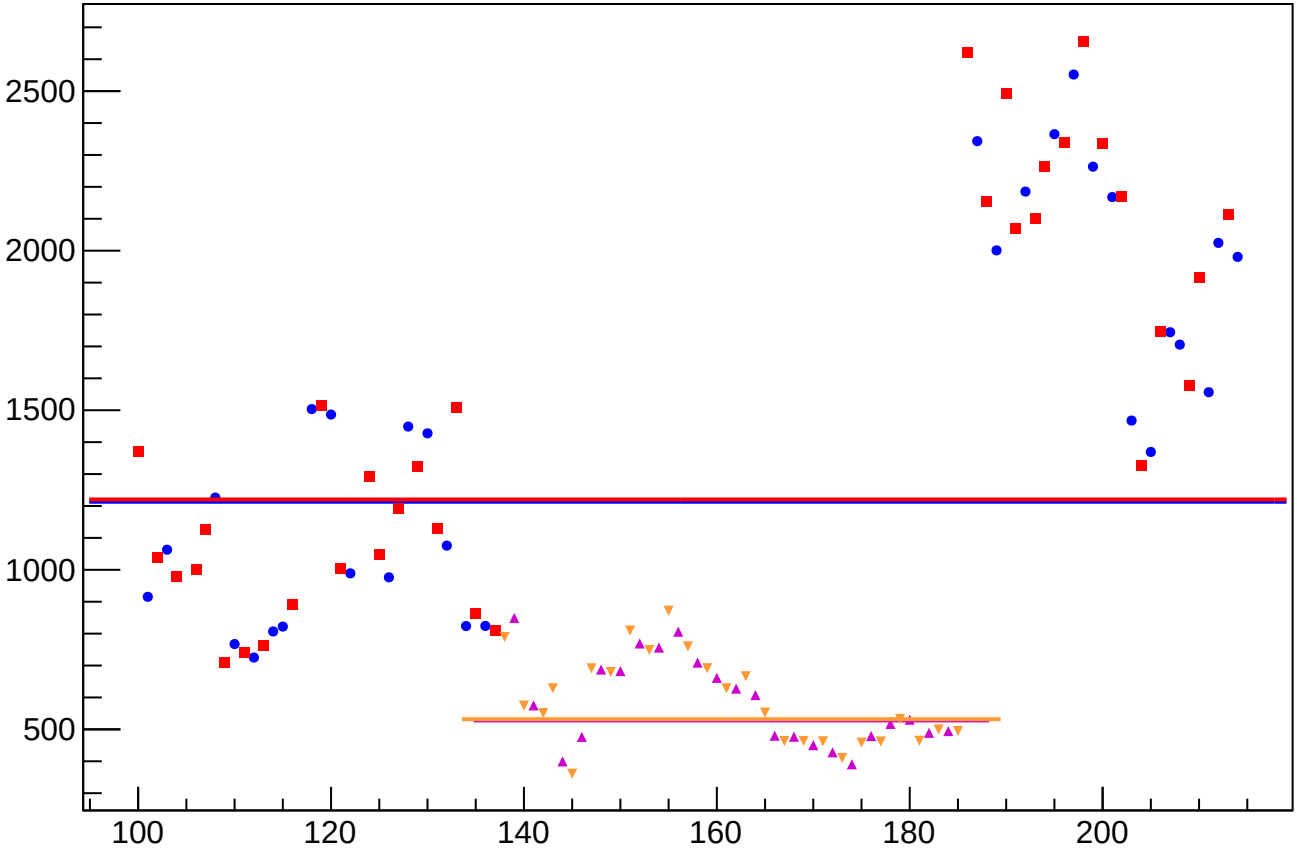
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -590.143+/-115.312 χ^2/NDF: 113.1/54

All: -407.263+/-82.228 χ^2/NDF: 183.8/111

- sign -218.065+/-117.288 χ^2/NDF: 65.6/56

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1213.307+/-0.217 χ^2/NDF: 4946950.8/29

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1220.323+/-0.216 χ^2/NDF: 5828233.7/33

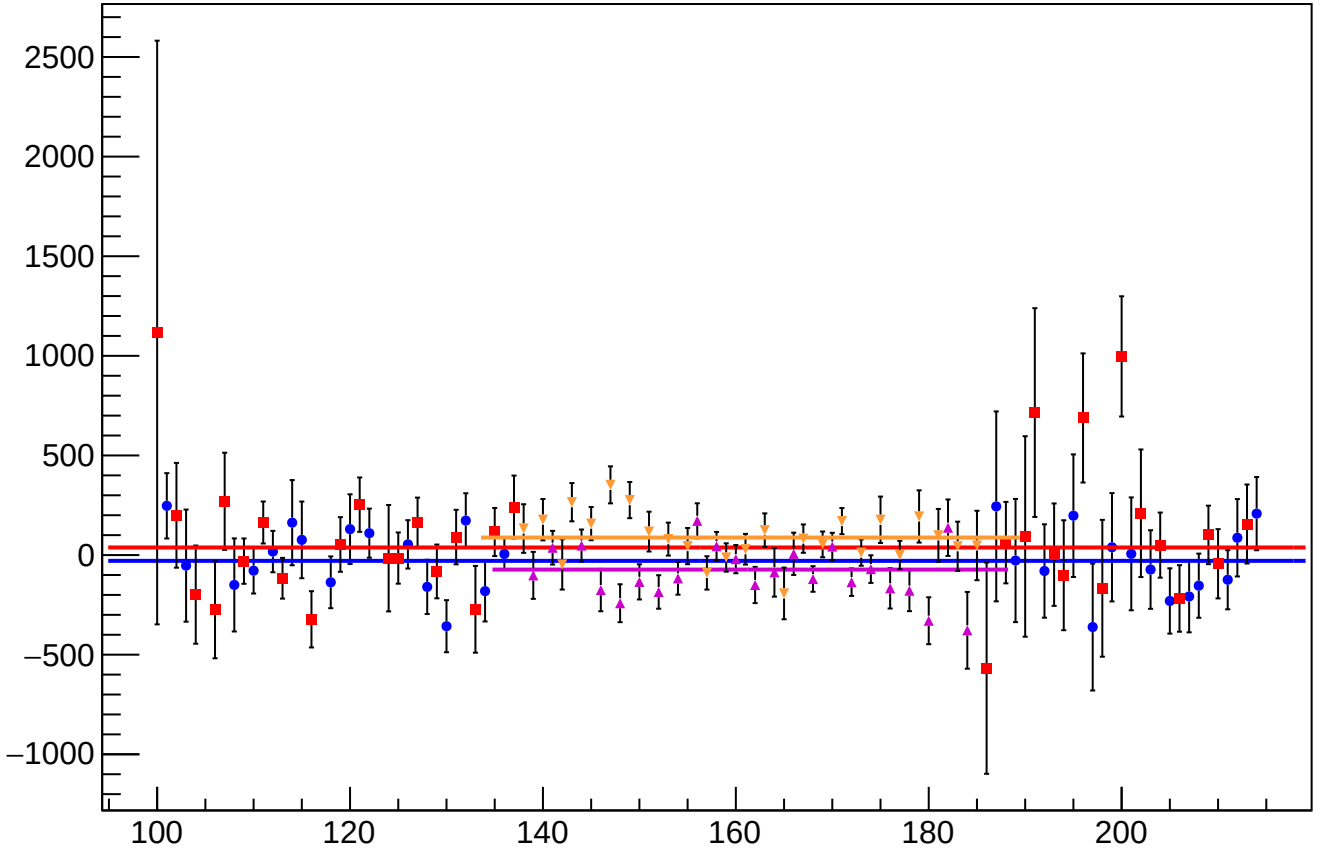
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 628.467+/-0.082 χ^2/NDF: 15481757.6/54

All: 629.317+/-0.058 χ^2/NDF: 31880059.0/11

- sign 630.197+/-0.083 χ^2/NDF: 16398080.1/56

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -29.033+/-28.980 χ^2/NDF: 26.1/29

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 38.130+/-29.598 χ^2/NDF: 44.9/33

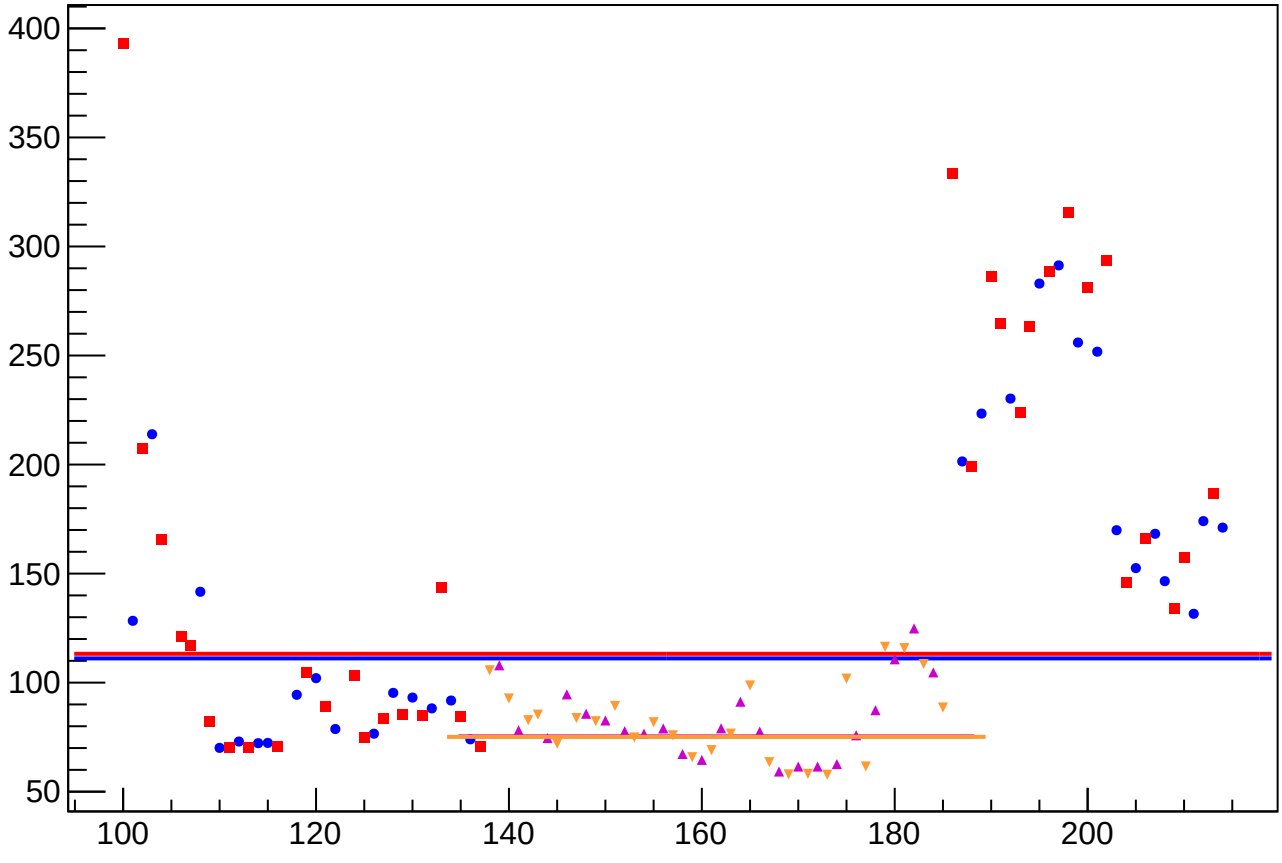
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 56.117+/-15.133 χ^2/NDF: 74.9/54

All: 8.288+/-10.845 χ^2/NDF: 188.9/111

- sign -42.214+/-15.550 χ^2/NDF: 93.5/56

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 111.107+/-0.020 χ^2/NDF: 6161034.3/29

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

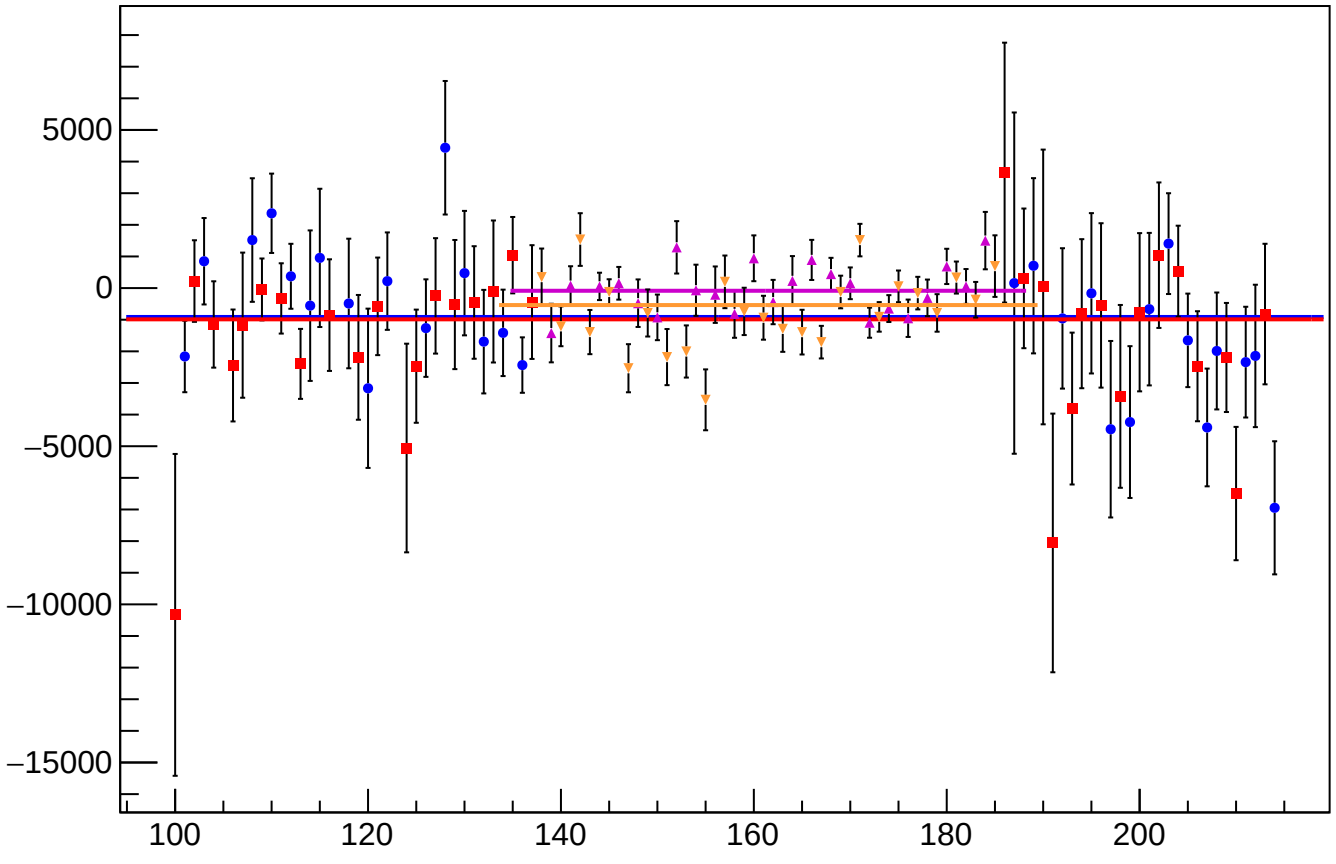
Right Out: 113.214+/-0.021 χ^2/NDF: 7579143.3/33

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 84.939+/-0.011 χ^2/NDF: 10004471.2/54

All: 85.363+/-0.008 χ^2/NDF: 21180214.5/111

- sign 85.811+/-0.011 χ^2/NDF: 11172508.8/56



Right In: -913.173+/-306.274 χ^2/NDF: 44.7/29

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

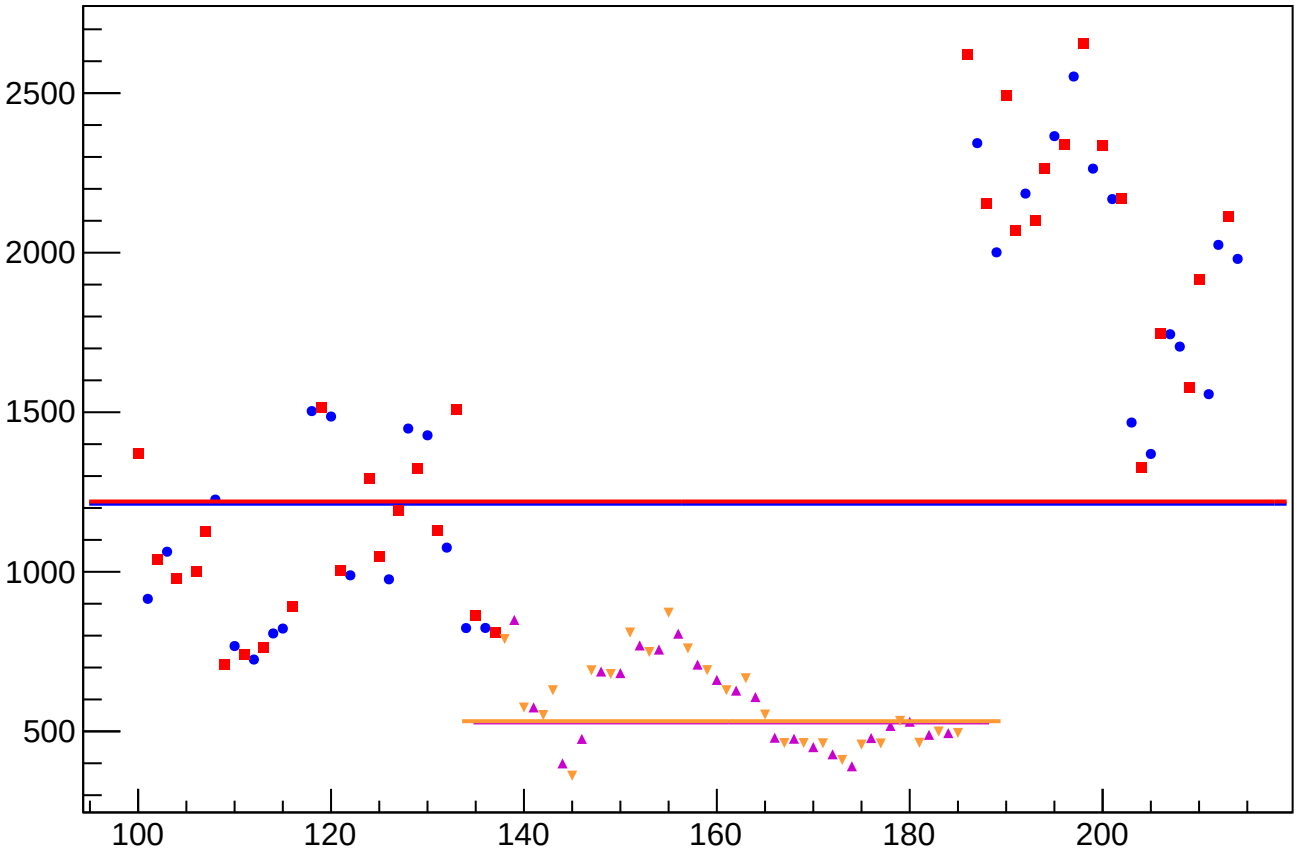
Right Out: -988.247+/-305.254 χ^2/NDF: 30.6/33

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

\+ sign -590.143+/-115.312 χ^2/NDF: 113.1/54

All: -407.263+/-82.228 χ^2/NDF: 183.8/111

\- sign -218.065+/-117.287 χ^2/NDF: 65.6/56



Right In: 1213.305+/-0.217 χ^2/NDF: 4946965.9/29

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1220.321+/-0.216 χ^2/NDF: 5828246.1/33

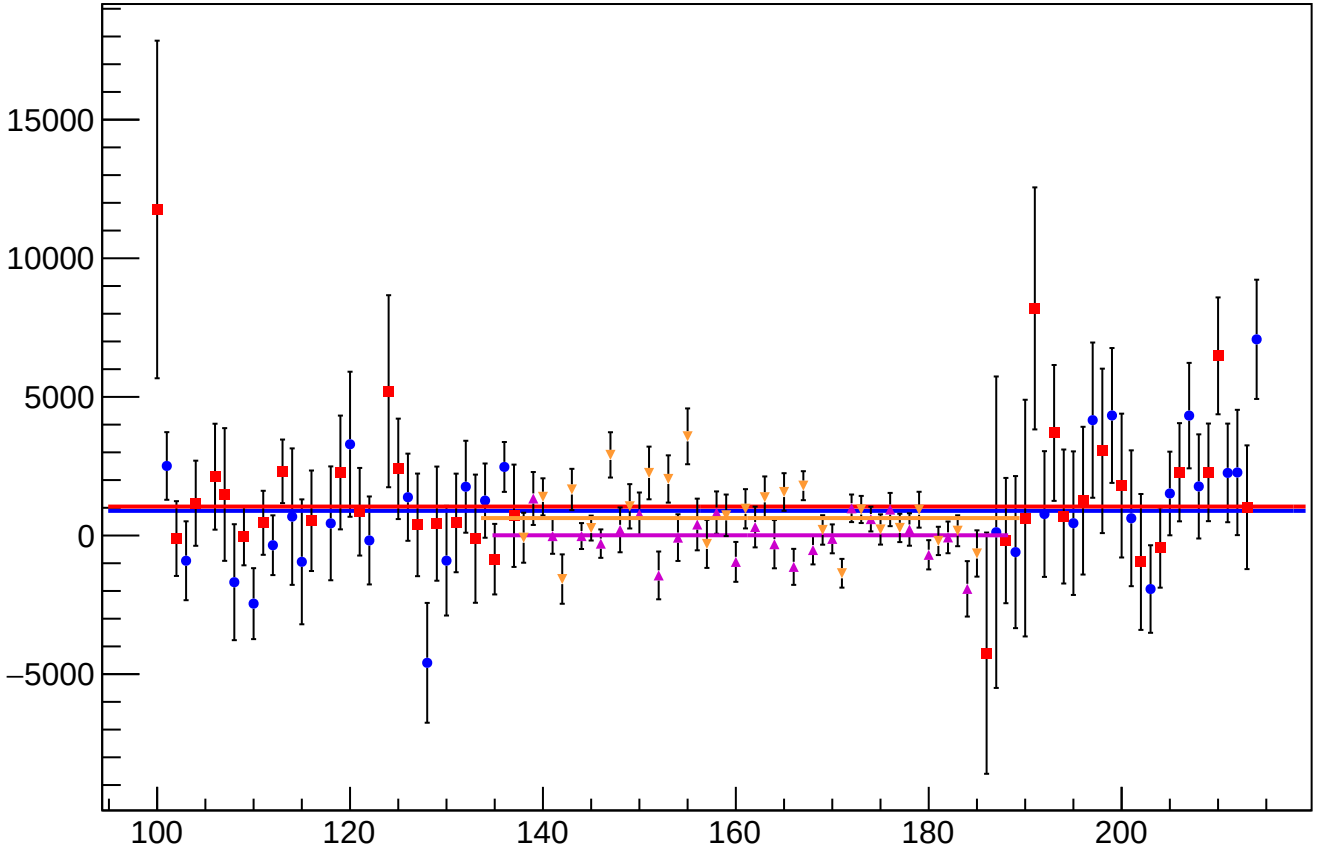
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 628.467+/-0.082 χ^2/NDF: 15481748.2/54

All: 629.317+/-0.058 χ^2/NDF: 31880033.1/11

- sign 630.196+/-0.083 χ^2/NDF: 16398063.7/56

asym_sam_37_avg_mean vs Slug



Right In: 889.446+/-314.027 χ^2/NDF: 45.7/29

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

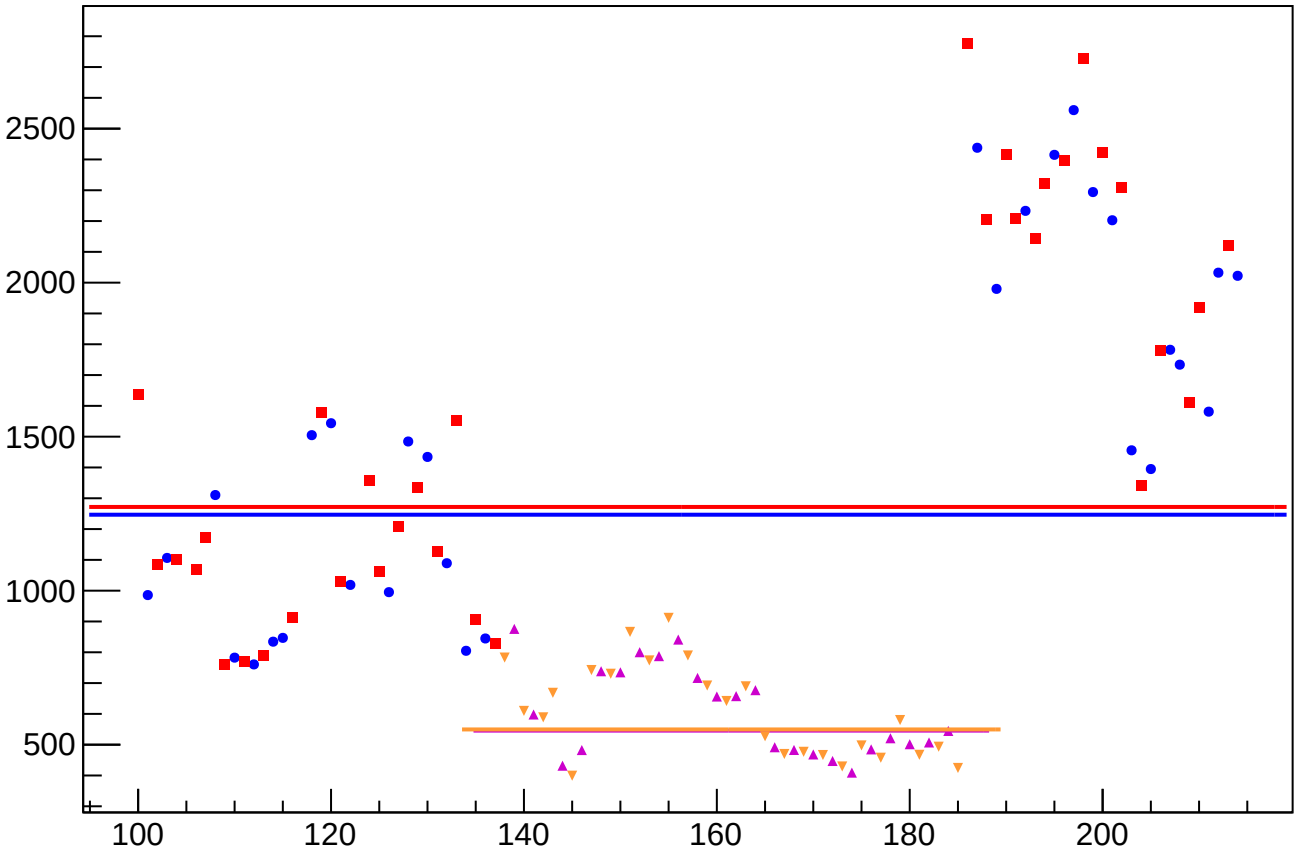
Right Out: 1044.467+/-317.042 χ^2/NDF: 27.6/33

Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 666.856+/-119.208 χ^2/NDF: 111.2/54

All: 417.892+/-85.023 χ^2/NDF: 184.0/111

- sign 160.113+/-121.300 χ^2/NDF: 64.0/56



Right In: 1246.617+/-0.222 χ^2/NDF: 4782817.6/29

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1271.821+/-0.224 χ^2/NDF: 5578966.8/33

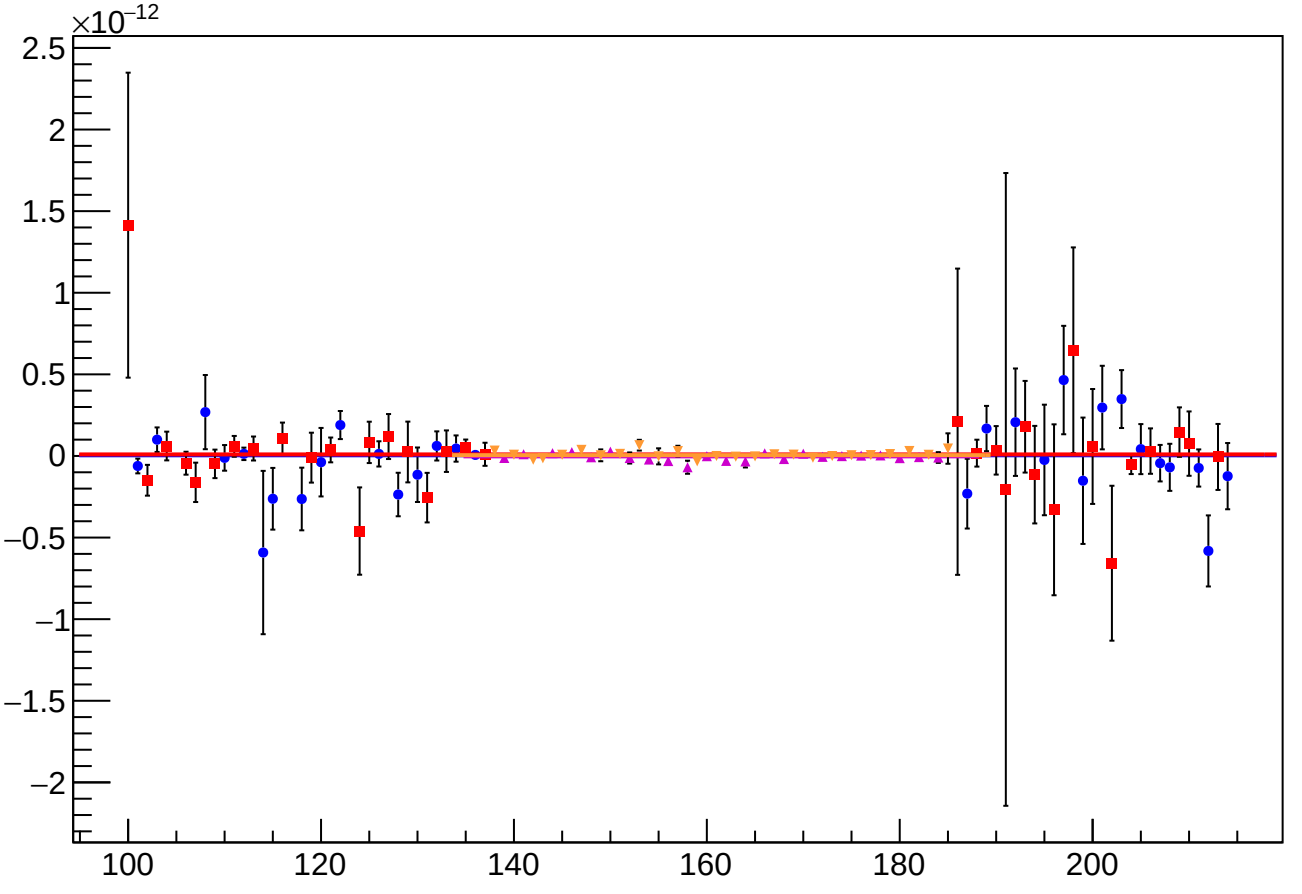
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 649.936+/-0.084 χ^2/NDF: 15273195.0/54

All: 650.949+/-0.060 χ^2/NDF: 31621992.3/11

- sign 651.998+/-0.086 χ^2/NDF: 16348503.4/56

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

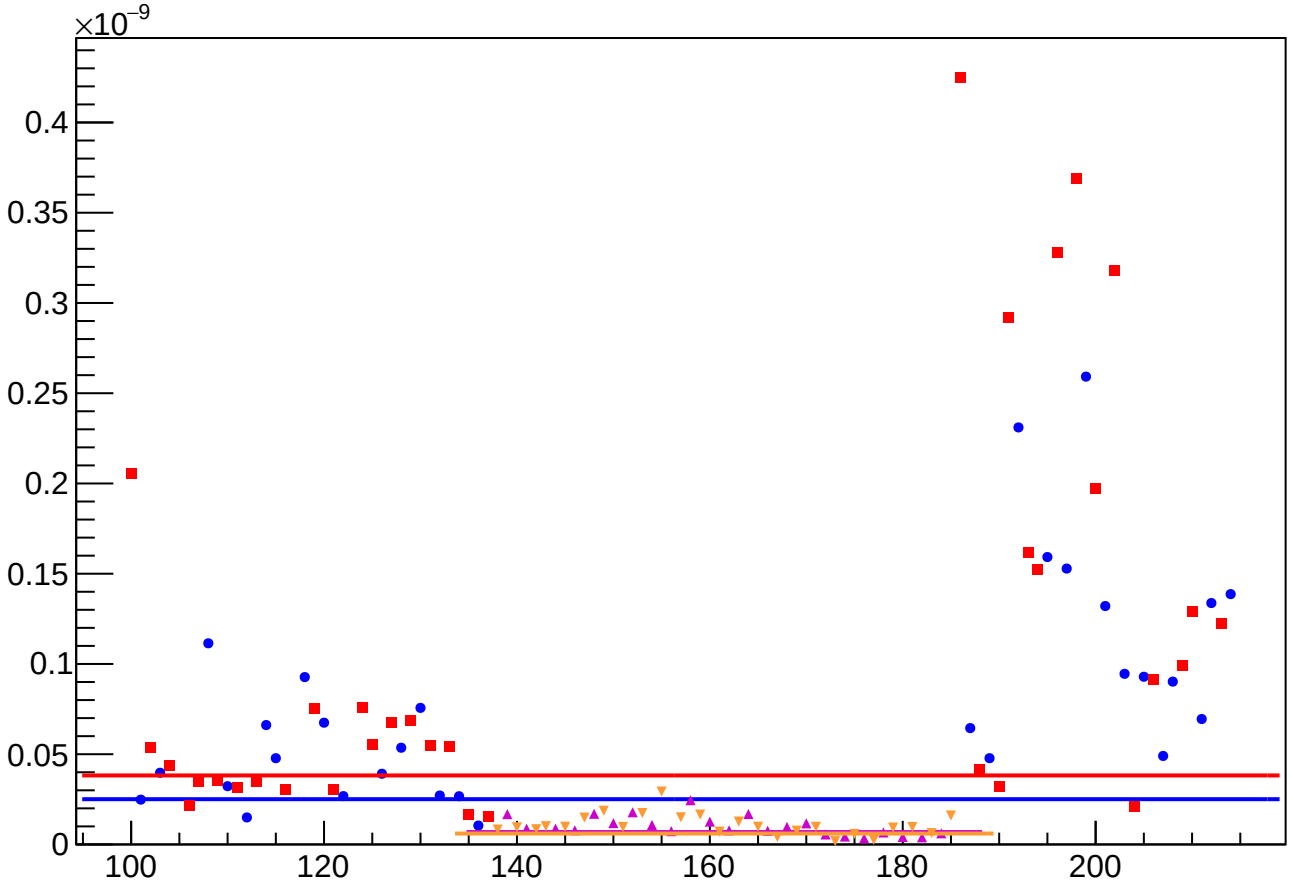
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/33

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.1/54

All: 0.000+/-0.000 χ^2/NDF: 101.4/111

- sign -0.000+/-0.000 χ^2/NDF: 44.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 7529867.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6202304.6/33

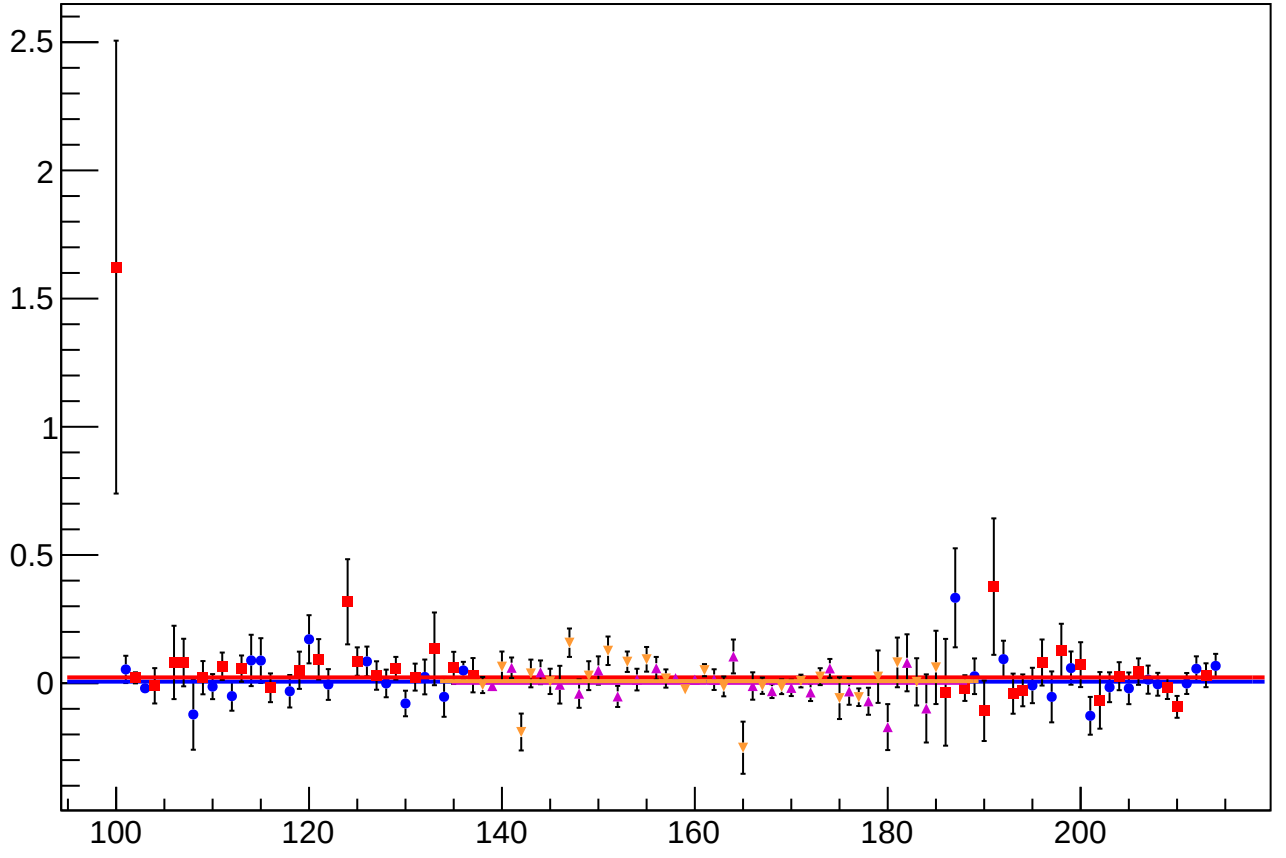
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14776304.6/54

All: 0.000+/-0.000 χ^2/NDF: 29179845.9/111

- sign 0.000+/-0.000 χ^2/NDF: 14311554.3/56

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 28.7/29

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.023+/-0.010 χ^2/NDF: 28.6/33

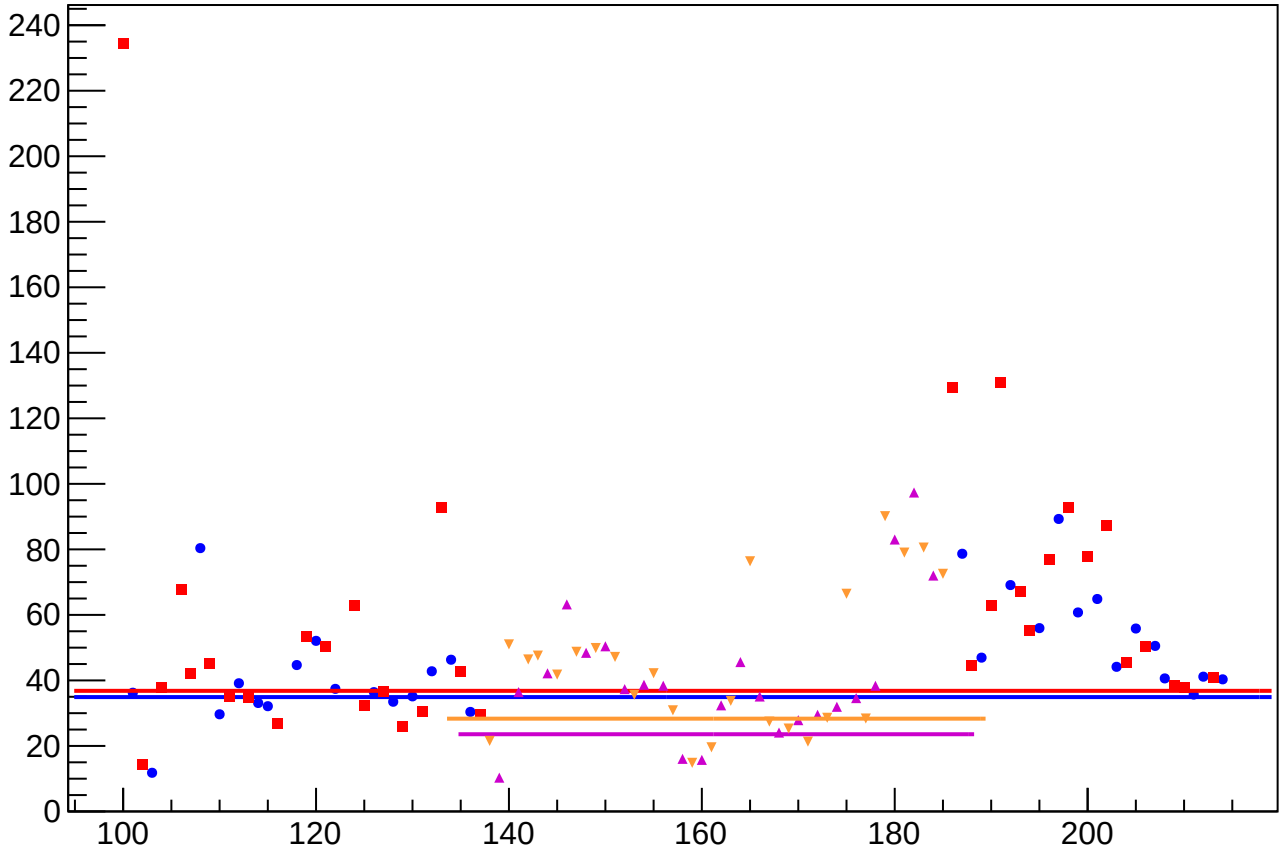
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 76.3/54

All: 0.008+/-0.004 χ^2/NDF: 133.2/111

- sign 0.008+/-0.006 χ^2/NDF: 56.8/56

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.910+/-0.007 χ^2/NDF: 5837020.1/29

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.819+/-0.007 χ^2/NDF: 6533551.3/33

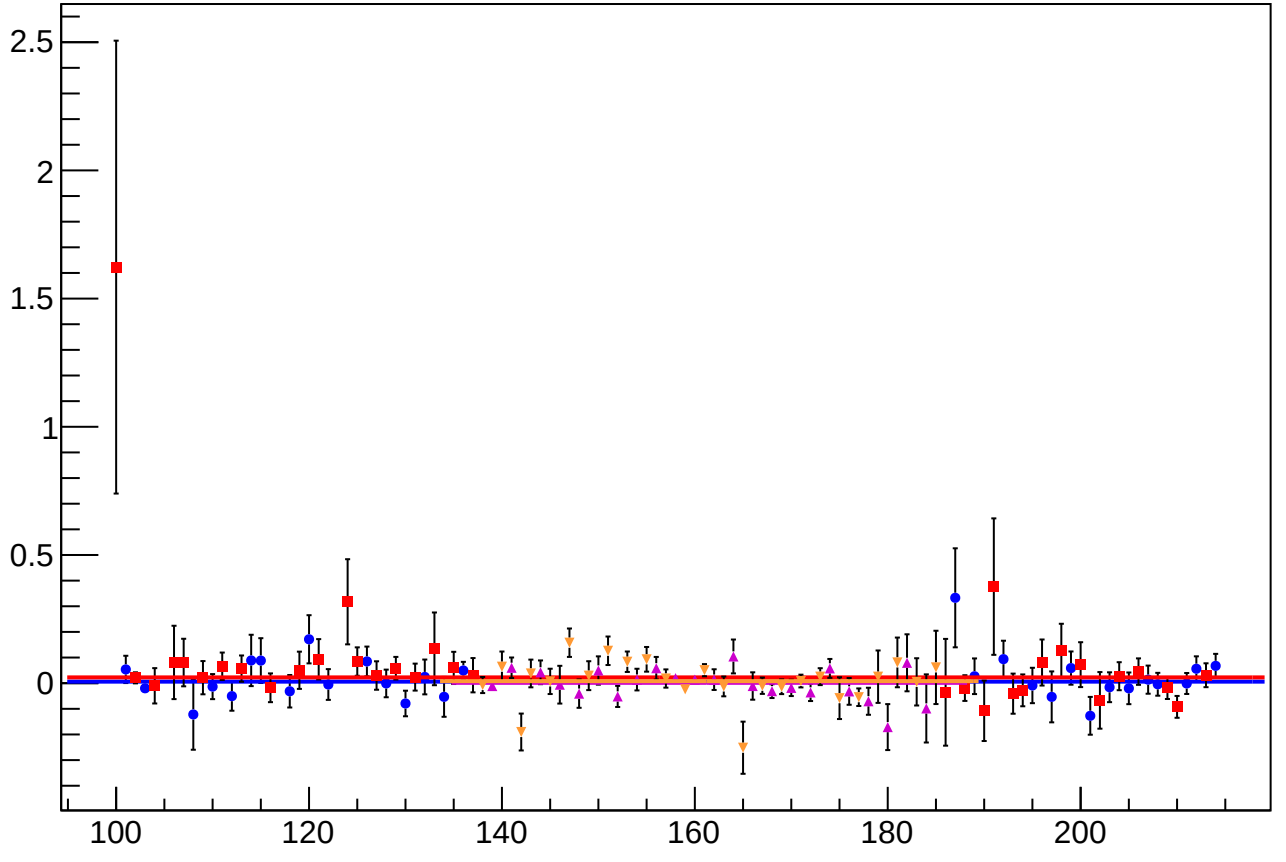
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.865+/-0.004 χ^2/NDF: 13208154.6/54

All: 29.218+/-0.003 χ^2/NDF: 30677762.2/111

- sign 27.733+/-0.004 χ^2/NDF: 17176990.8/56

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 28.7/29

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.023+/-0.010 χ^2/NDF: 28.6/33

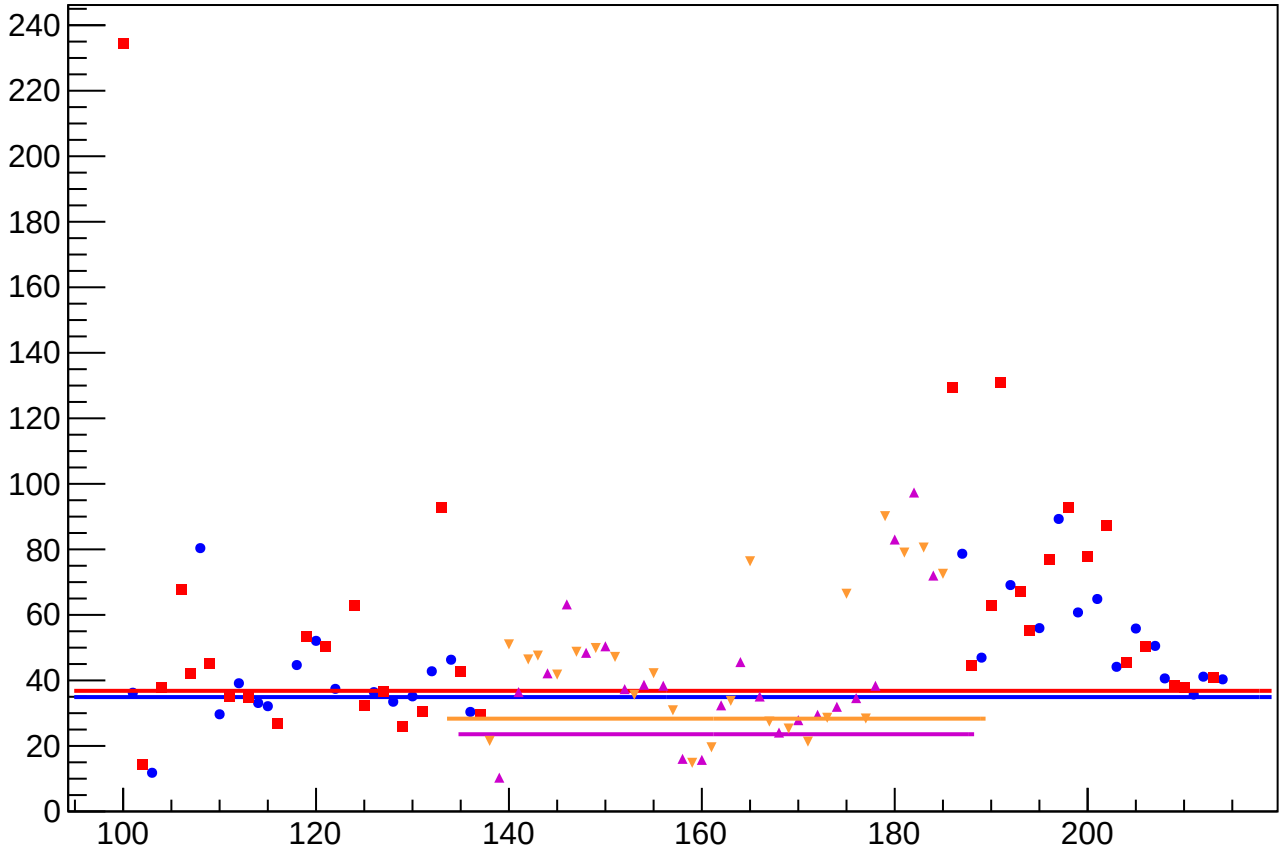
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 76.3/54

All: 0.008+/-0.004 χ^2/NDF: 133.2/111

- sign 0.008+/-0.006 χ^2/NDF: 56.8/56

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 34.910+/-0.007 χ^2/NDF: 5837020.1/29

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

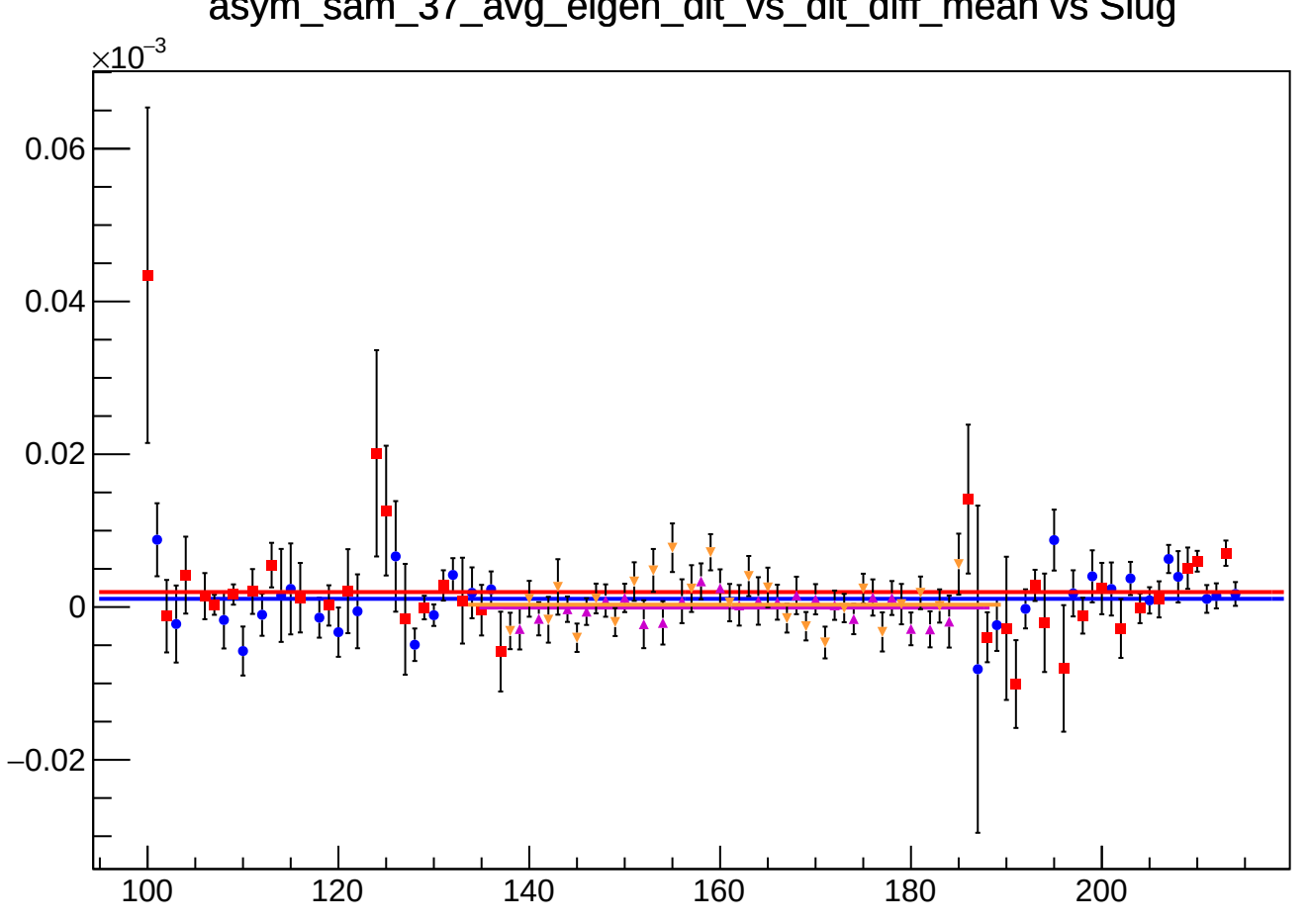
Right Out: 36.819+/-0.007 χ^2/NDF: 6533551.3/33

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 30.865+/-0.004 χ^2/NDF: 13208154.6/54

All: 29.218+/-0.003 χ^2/NDF: 30677762.2/111

- sign 27.733+/-0.004 χ^2/NDF: 17176990.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

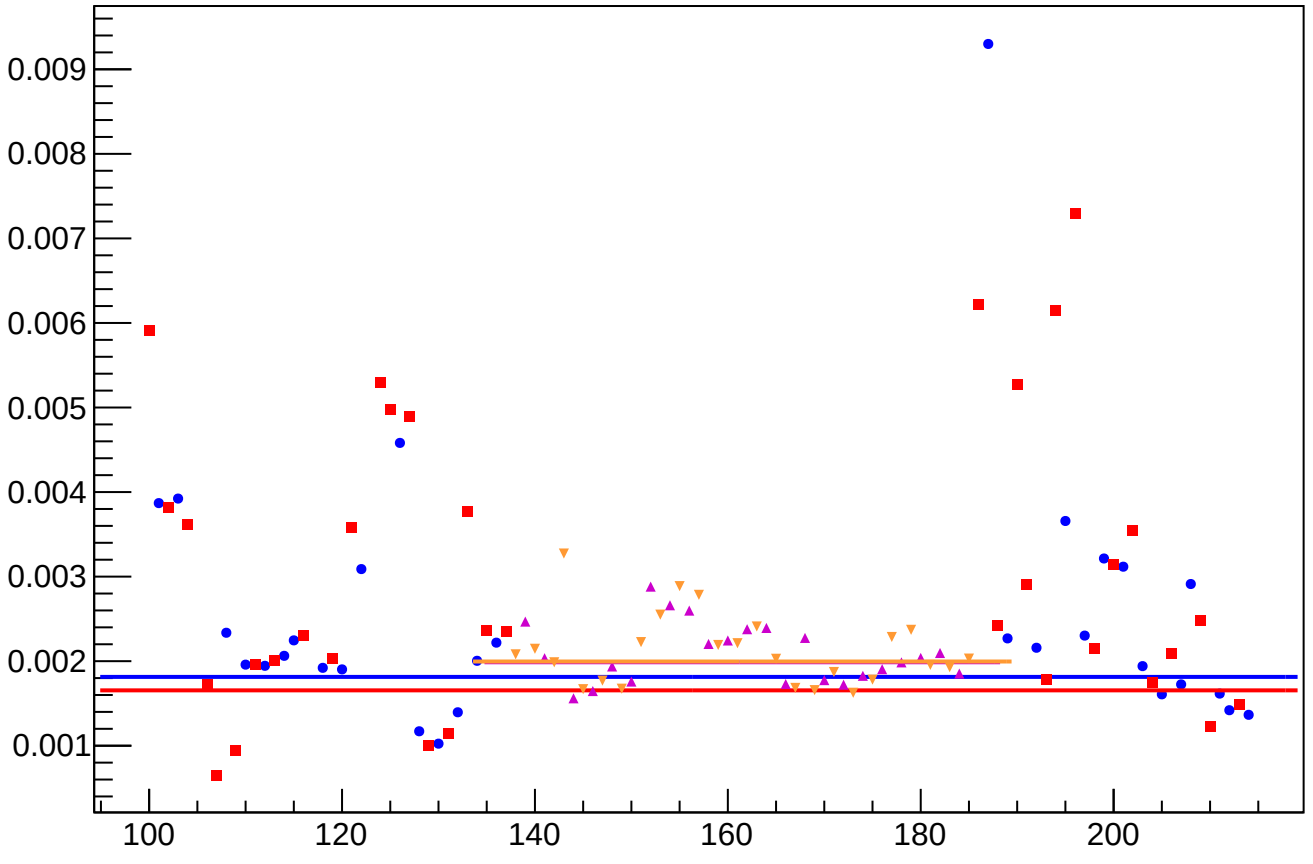
Right Out: 0.000+/-0.000 χ^2/NDF: 51.9/33

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.5/54

All: 0.000+/-0.000 χ^2/NDF: 162.7/111

- sign 0.000+/-0.000 χ^2/NDF: 73.7/56



Right In: 0.002+/-0.000 χ^2/NDF: 4144143.4/29

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8974923.4/33

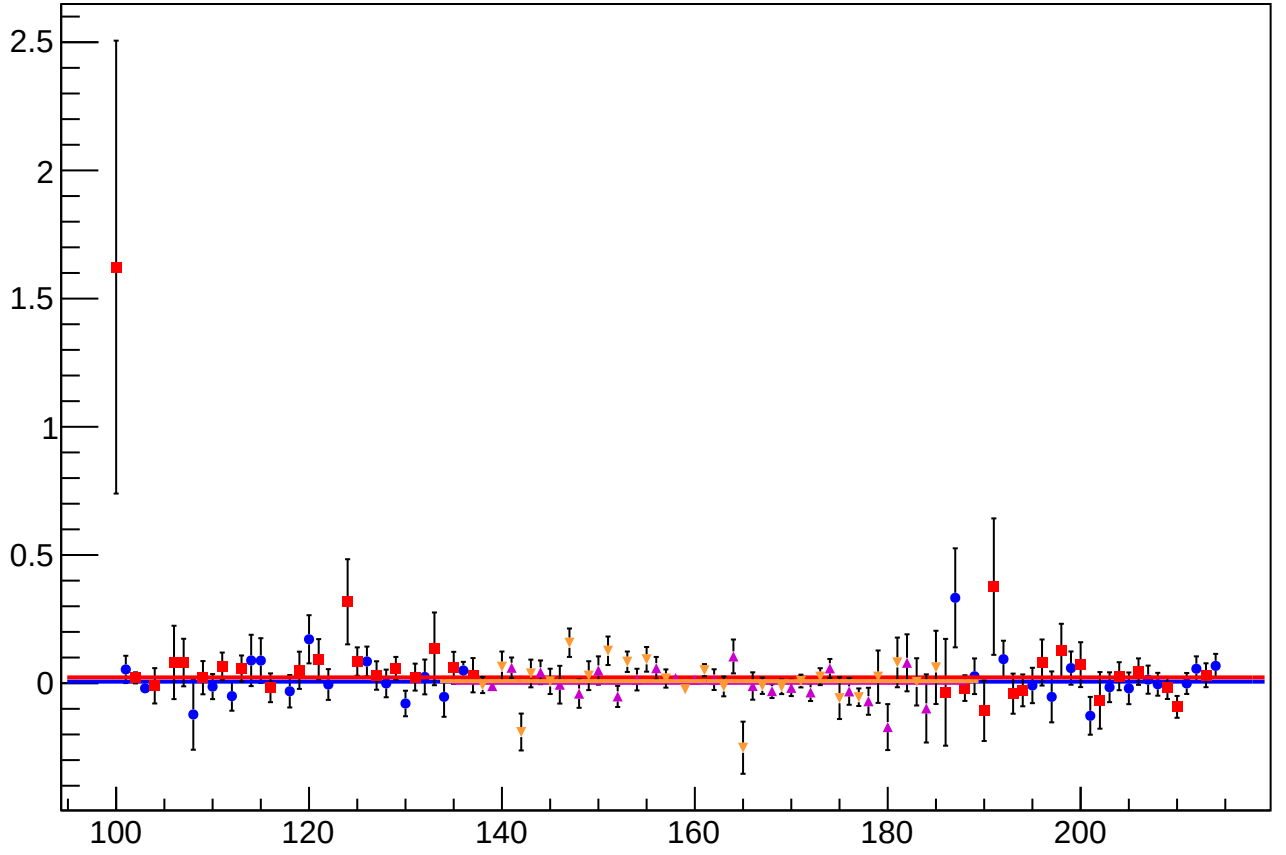
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 5470274.9/54

All: 0.002+/-0.000 χ^2/NDF: 15967920.7/111

- sign 0.002+/-0.000 χ^2/NDF: 10417274.4/56

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.010 χ^2/NDF: 28.7/29

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.023+/-0.010 χ^2/NDF: 28.6/33

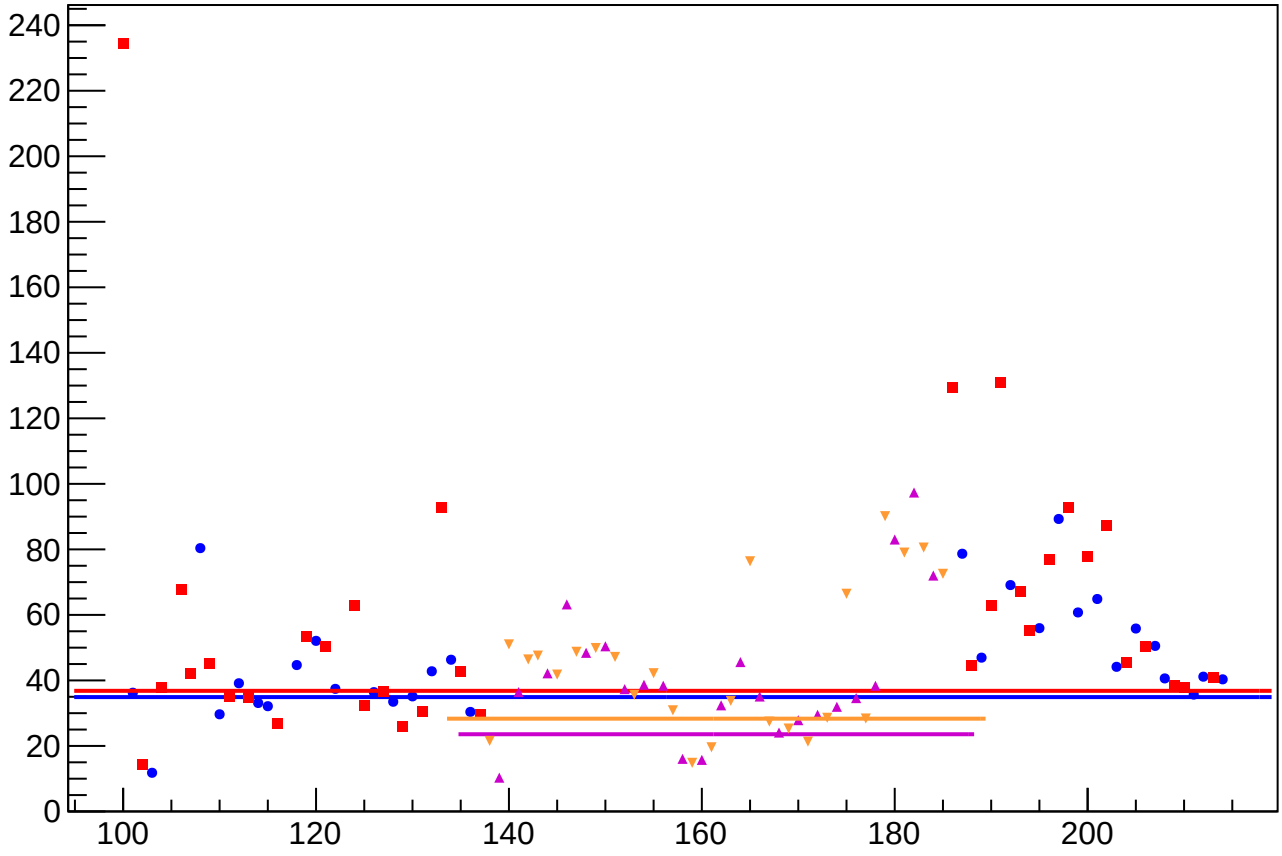
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 76.3/54

All: 0.008+/-0.004 χ^2/NDF: 133.2/111

- sign 0.008+/-0.006 χ^2/NDF: 56.8/56

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 34.910+/-0.007 χ^2/NDF: 5837449.0/29

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

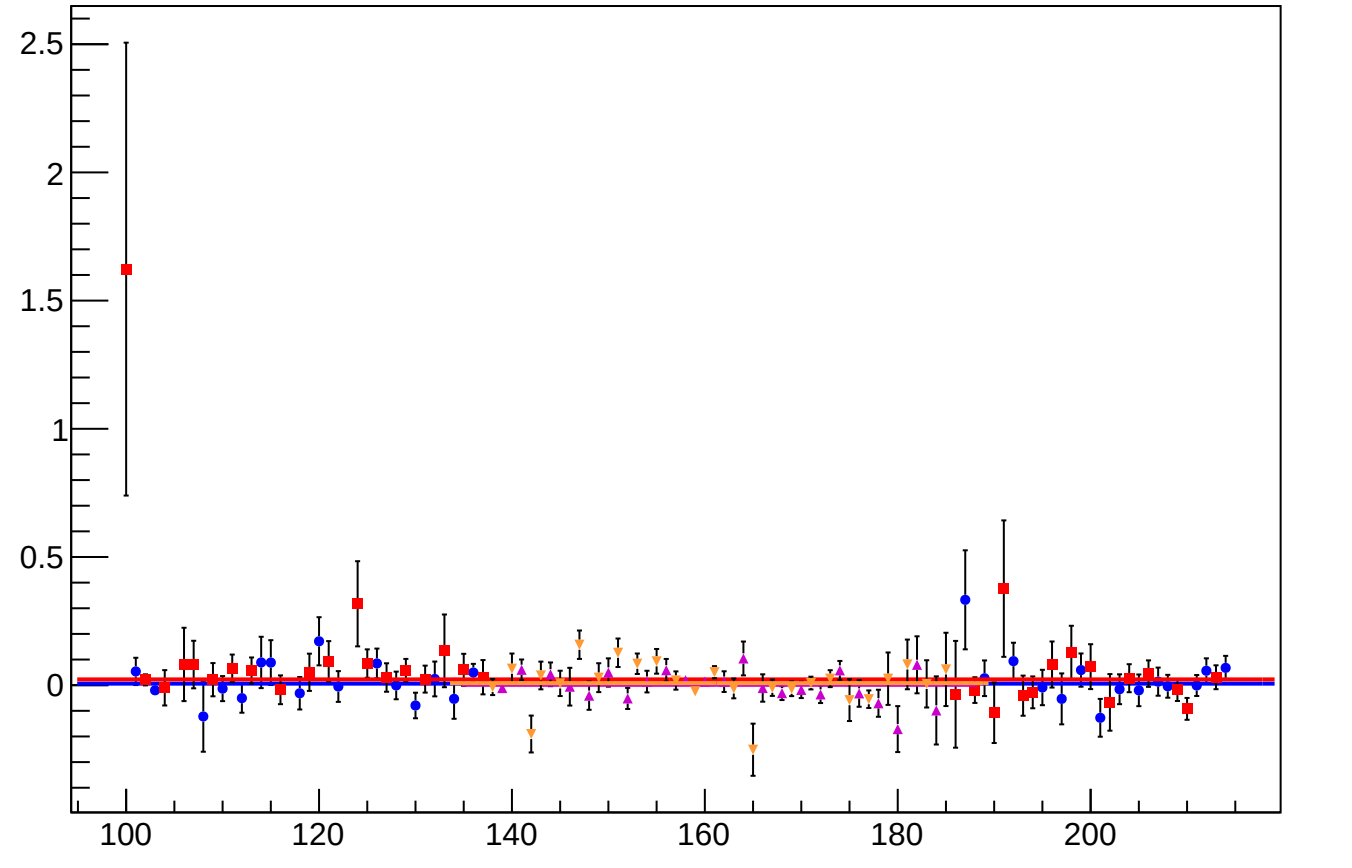
Right Out: 36.821+/-0.007 χ^2/NDF: 6532349.6/33

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.865+/-0.004 χ^2/NDF: 13209007.5/54

All: 29.217+/-0.003 χ^2/NDF: 30679623.5/111

- sign 27.733+/-0.004 χ^2/NDF: 17177998.5/56



Right In: 0.006+/-0.010 χ^2/NDF: 28.7/29

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

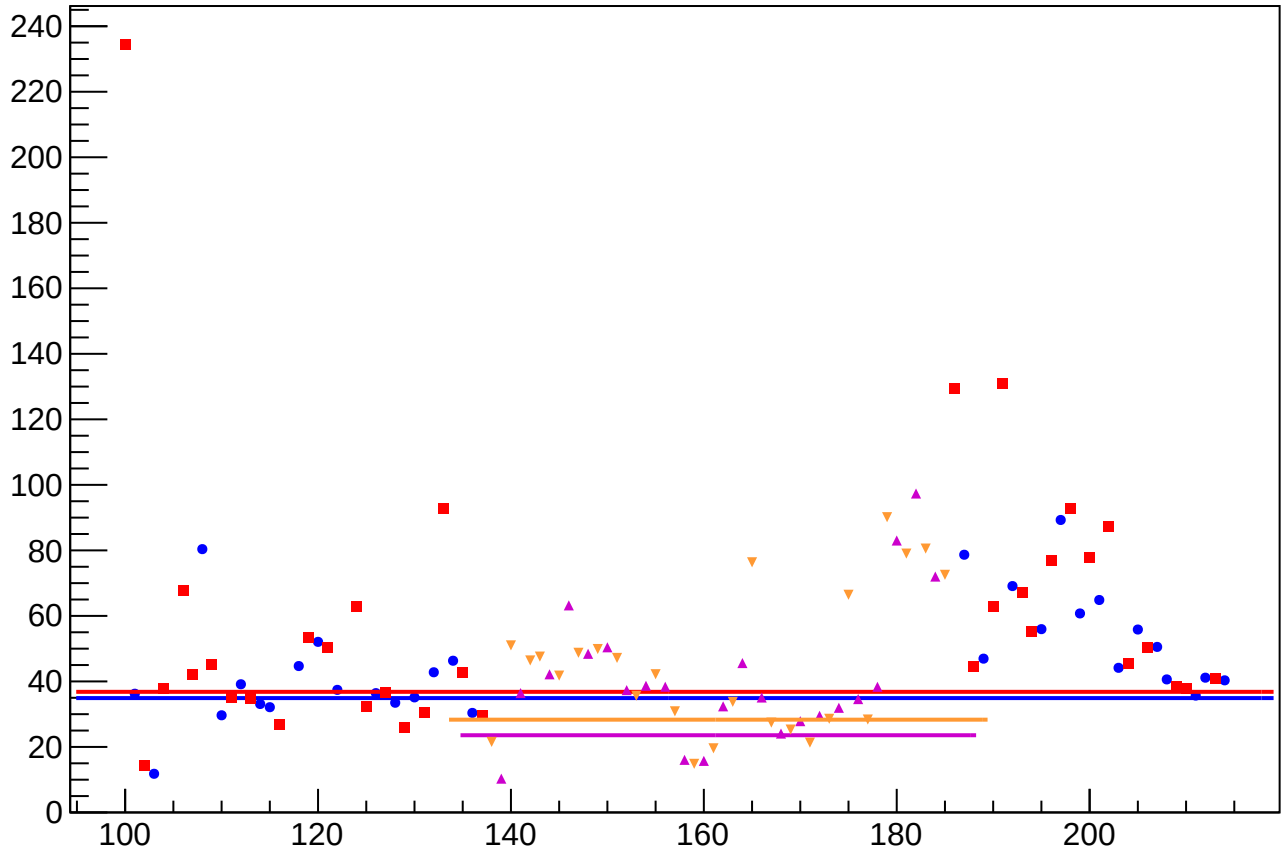
Right Out: 0.023+/-0.010 χ^2/NDF: 28.6/33

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.007+/-0.006 χ^2/NDF: 76.3/54

All: 0.008+/-0.004 χ^2/NDF: 133.2/111

- sign 0.008+/-0.006 χ^2/NDF: 56.8/56



Right In: 34.910+/-0.007 χ^2/NDF: 5837449.0/29

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

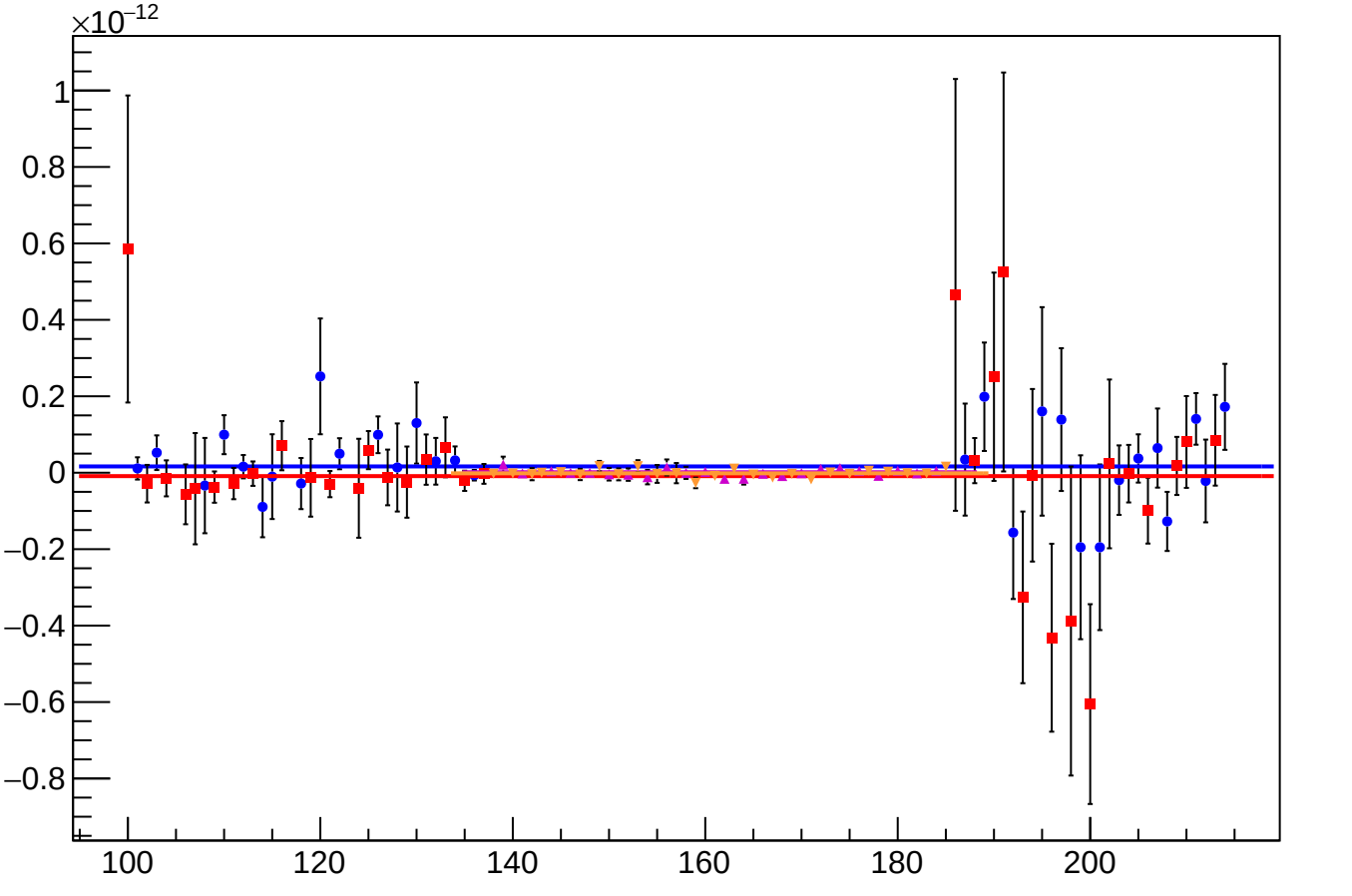
Right Out: 36.821+/-0.007 χ^2/NDF: 6532349.6/33

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 30.865+/-0.004 χ^2/NDF: 13209007.5/54

All: 29.217+/-0.003 χ^2/NDF: 30679623.5/111

- sign 27.733+/-0.004 χ^2/NDF: 17177998.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

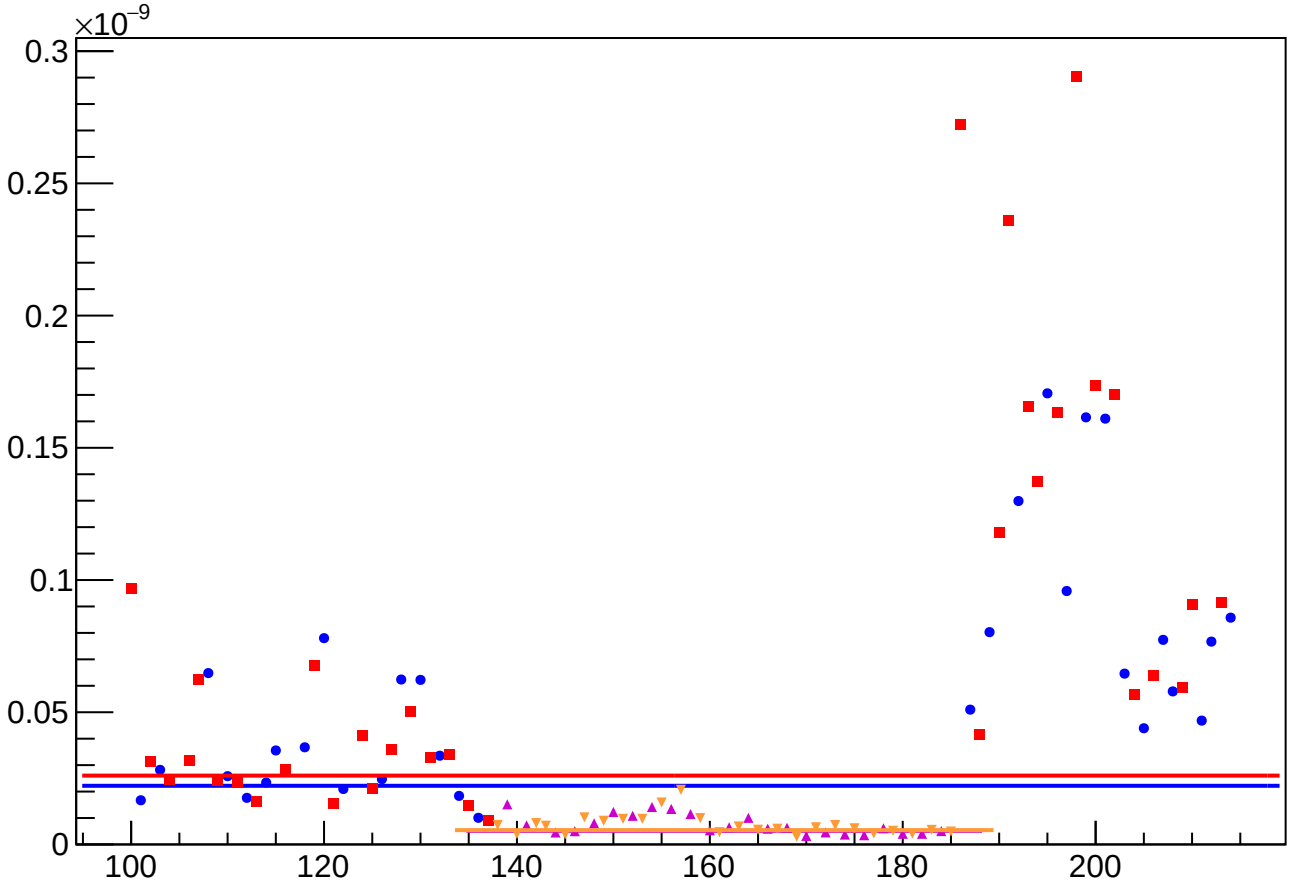
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/33

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/54

All: 0.000+/-0.000 χ^2/NDF: 95.0/111

- sign 0.000+/-0.000 χ^2/NDF: 42.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 9622507.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10033525.9/33

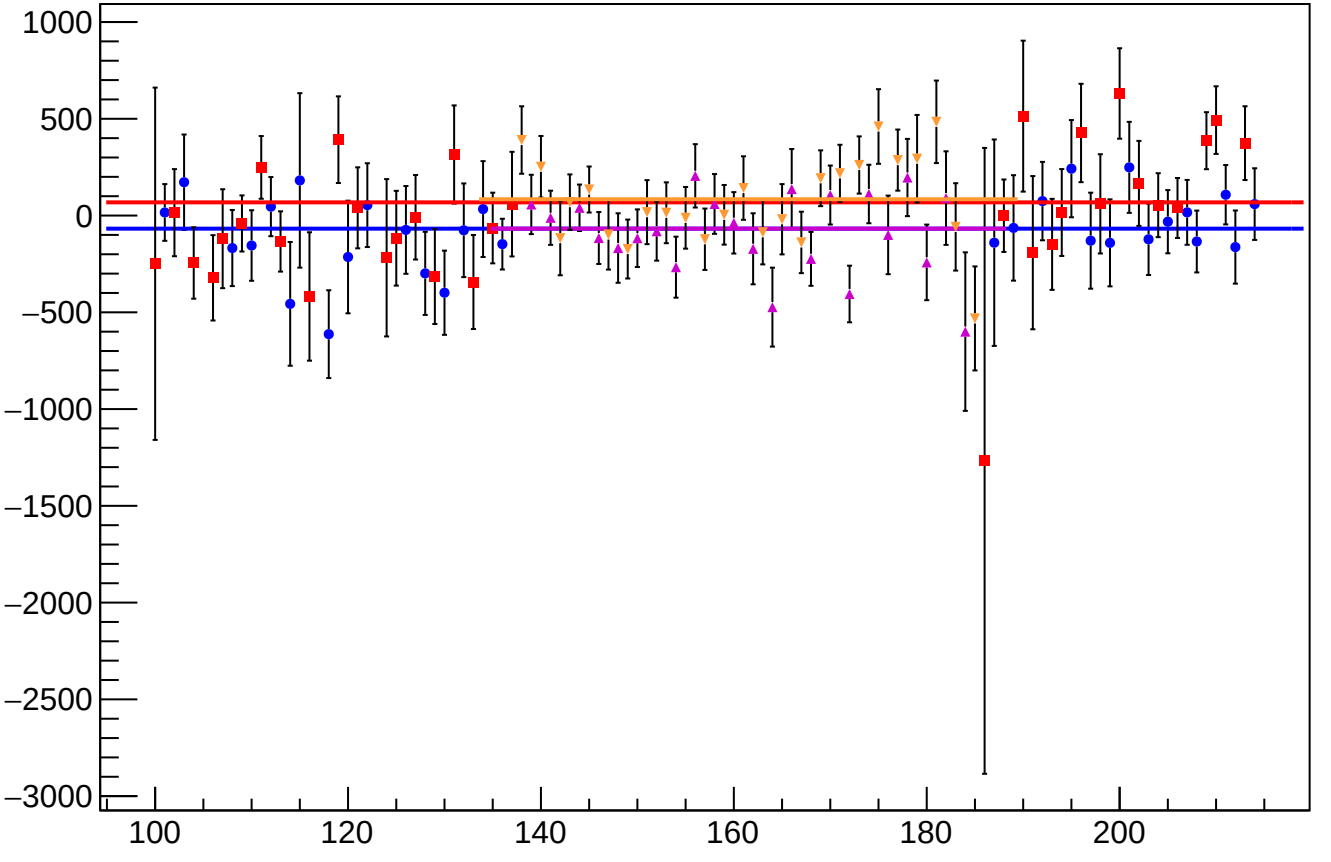
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19419022.1/54

All: 0.000+/-0.000 χ^2/NDF: 40963124.3/111

- sign 0.000+/-0.000 χ^2/NDF: 21517183.1/56

reg_asym_sam_48_avg_mean vs Slug



Right In: -67.721+/-36.870 χ^2/NDF: 21.1/29

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 68.210+/-36.869 χ^2/NDF: 47.1/33

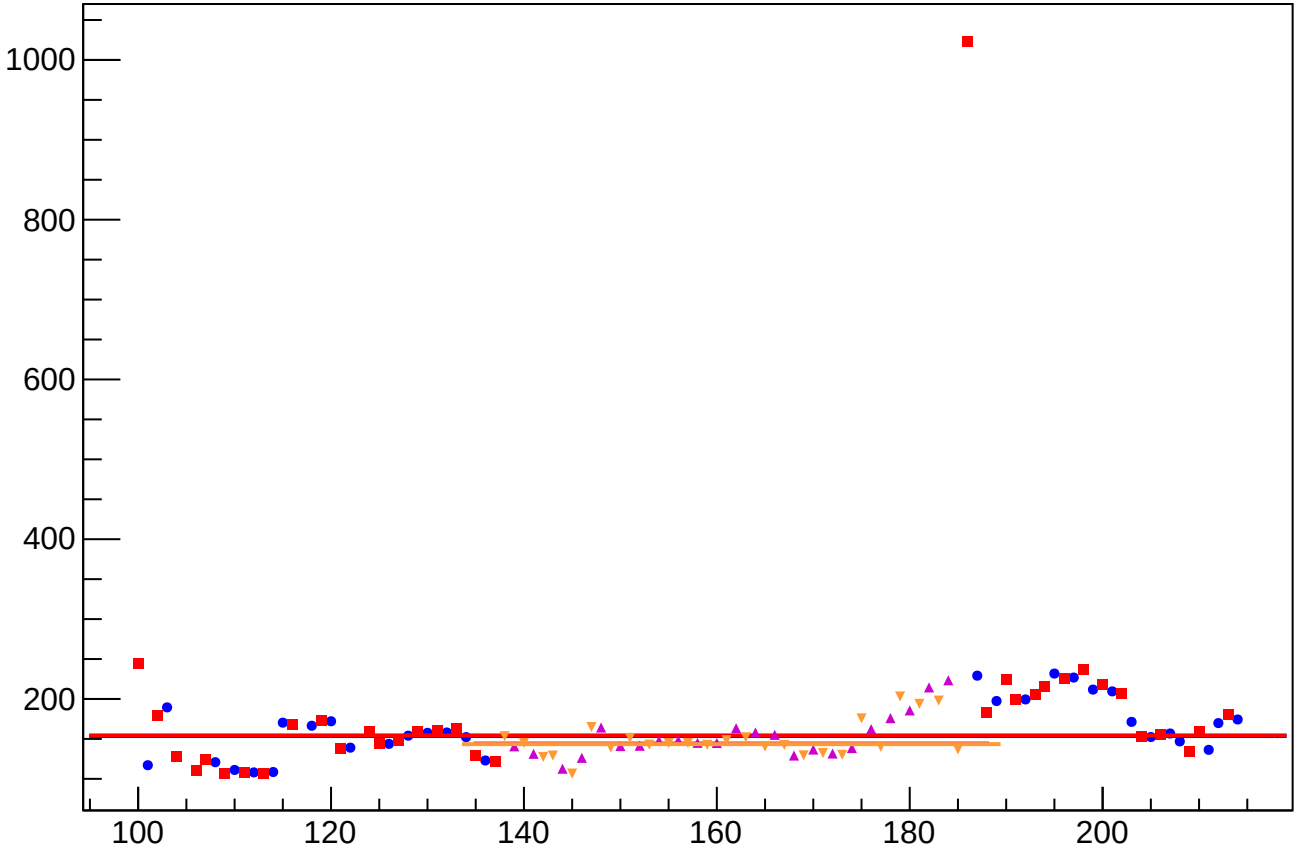
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 16.617+/-24.604 χ^2/NDF: 64.3/54

All: 6.032+/-17.553 χ^2/NDF: 145.6/111

- sign -4.938+/-25.049 χ^2/NDF: 80.9/56

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.597+/-0.026 χ^2/NDF: 1585463.7/29

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.372+/-0.026 χ^2/NDF: 2516995.6/33

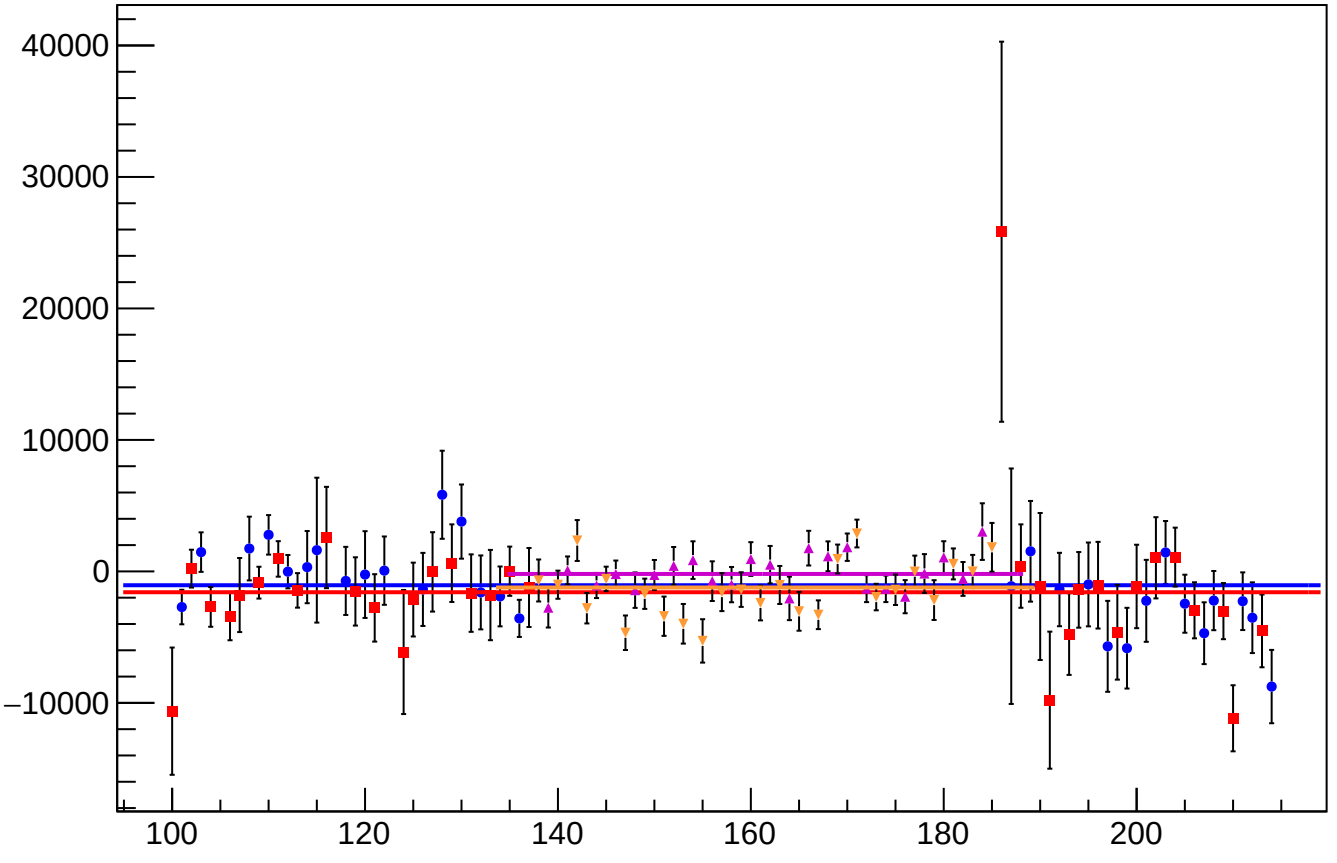
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.965+/-0.017 χ^2/NDF: 2416641.7/54

All: 148.414+/-0.012 χ^2/NDF: 5720143.8/11

- sign 148.879+/-0.018 χ^2/NDF: 3302146.9/56

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1052.715+/-414.855 χ^2/NDF: 42.0/29

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1584.823+/-399.780 χ^2/NDF: 41.4/33

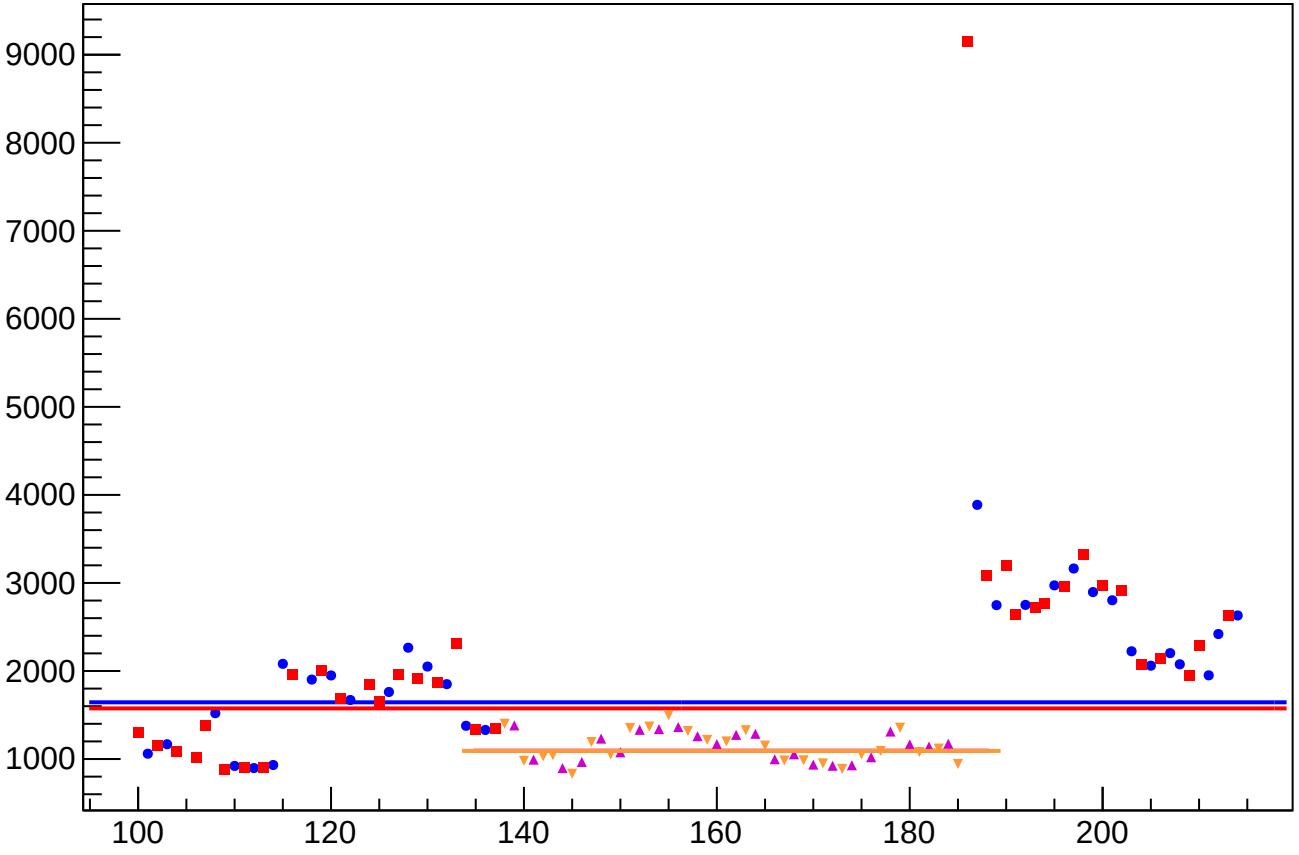
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1178.662+/-215.233 χ^2/NDF: 101.4/54

All: -894.536+/-152.926 χ^2/NDF: 178.1/111

- sign -604.863+/-217.323 χ^2/NDF: 73.2/56

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1644.152+/-0.293 χ^2/NDF: 4971728.2/29

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1574.845+/-0.283 χ^2/NDF: 6772405.7/33

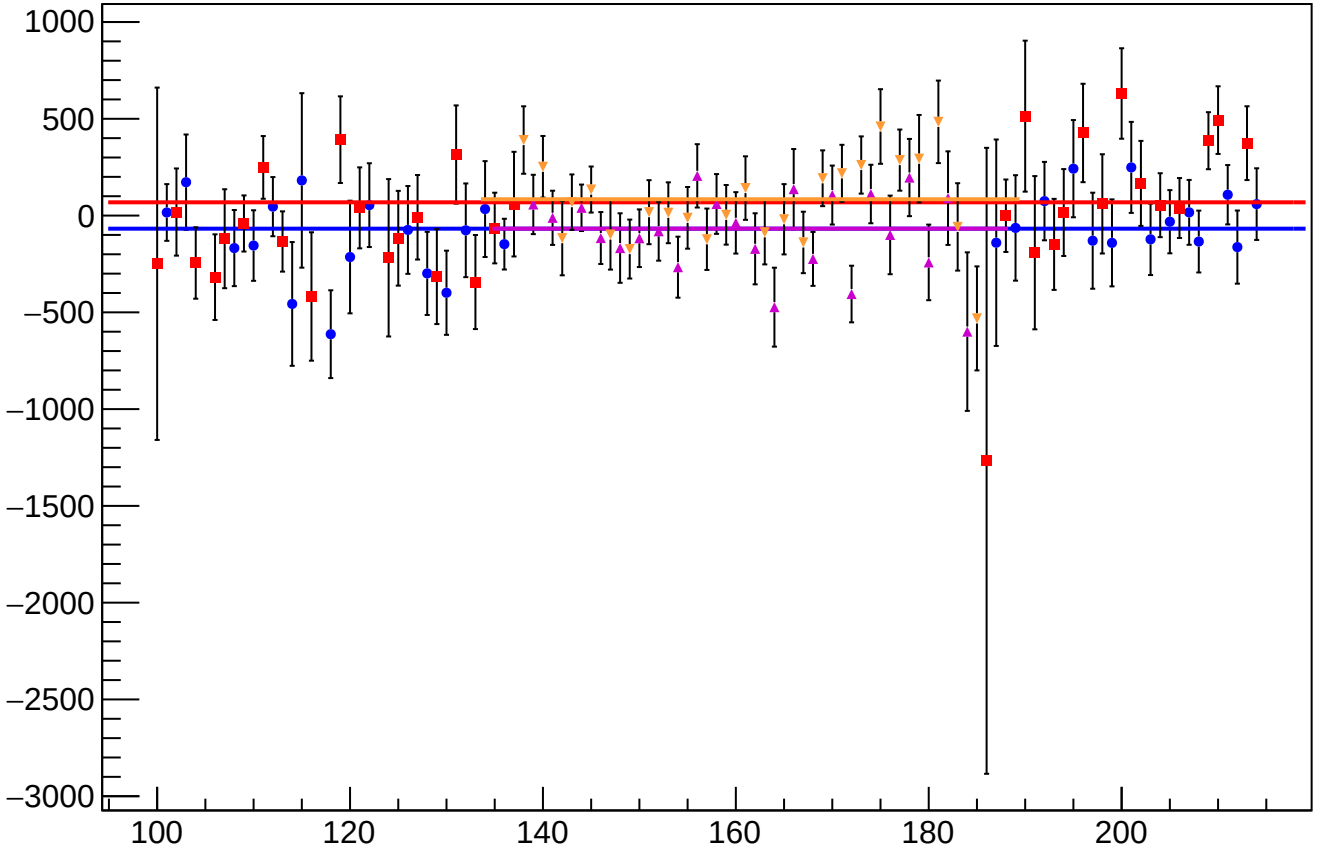
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1240.607+/-0.152 χ^2/NDF: 8453599.6/54

All: 1238.539+/-0.108 χ^2/NDF: 17993627.4/1

- sign 1236.431+/-0.154 χ^2/NDF: 9539655.1/56

cor_asym_sam_48_avg_mean vs Slug



Right In: -67.728+/-36.870 χ^2/NDF: 21.1/29

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 68.463+/-36.873 χ^2/NDF: 47.0/33

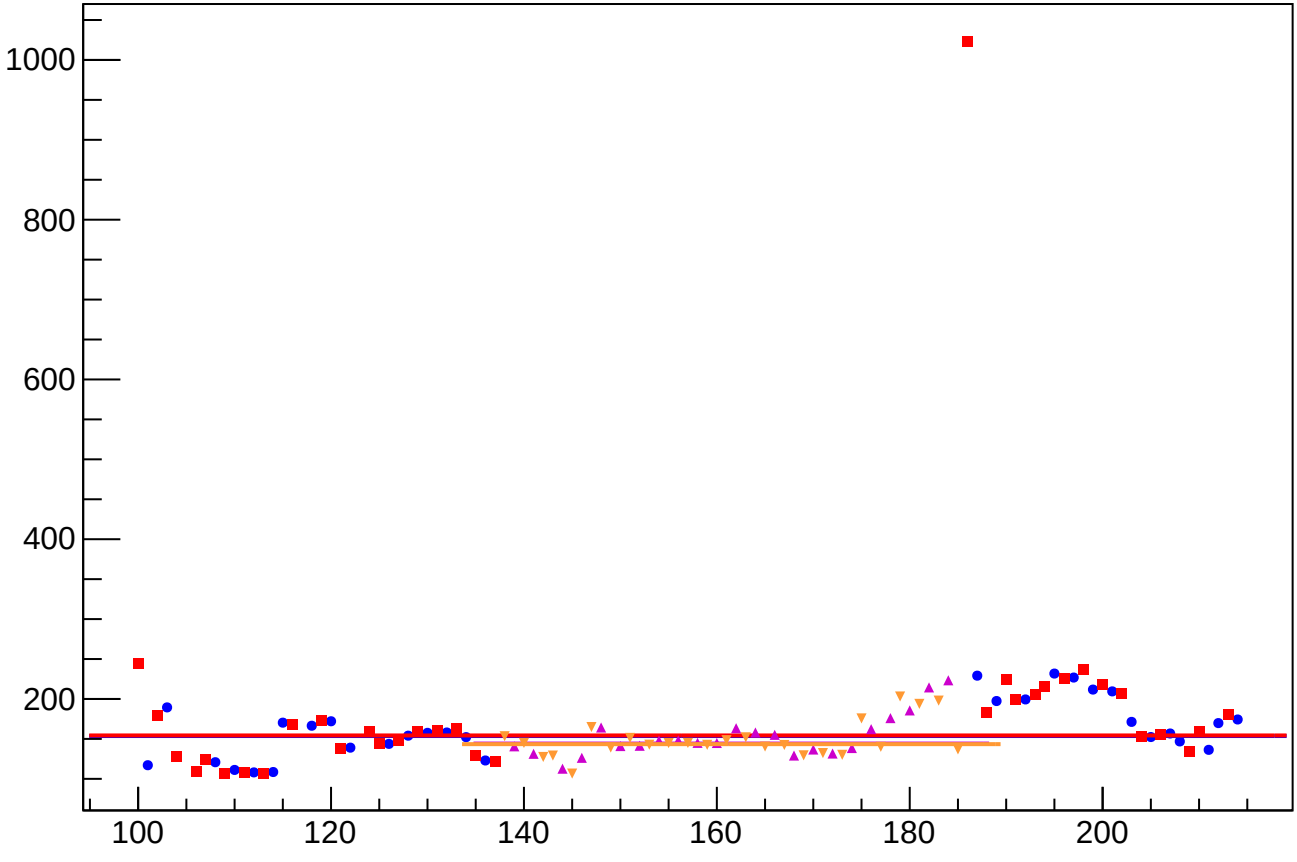
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.622+/-24.604 χ^2/NDF: 64.3/54

All: 6.089+/-17.553 χ^2/NDF: 145.6/111

- sign -4.829+/-25.050 χ^2/NDF: 80.9/56

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.597+/-0.026 χ^2/NDF: 1585466.0/29

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.336+/-0.026 χ^2/NDF: 2522478.4/33

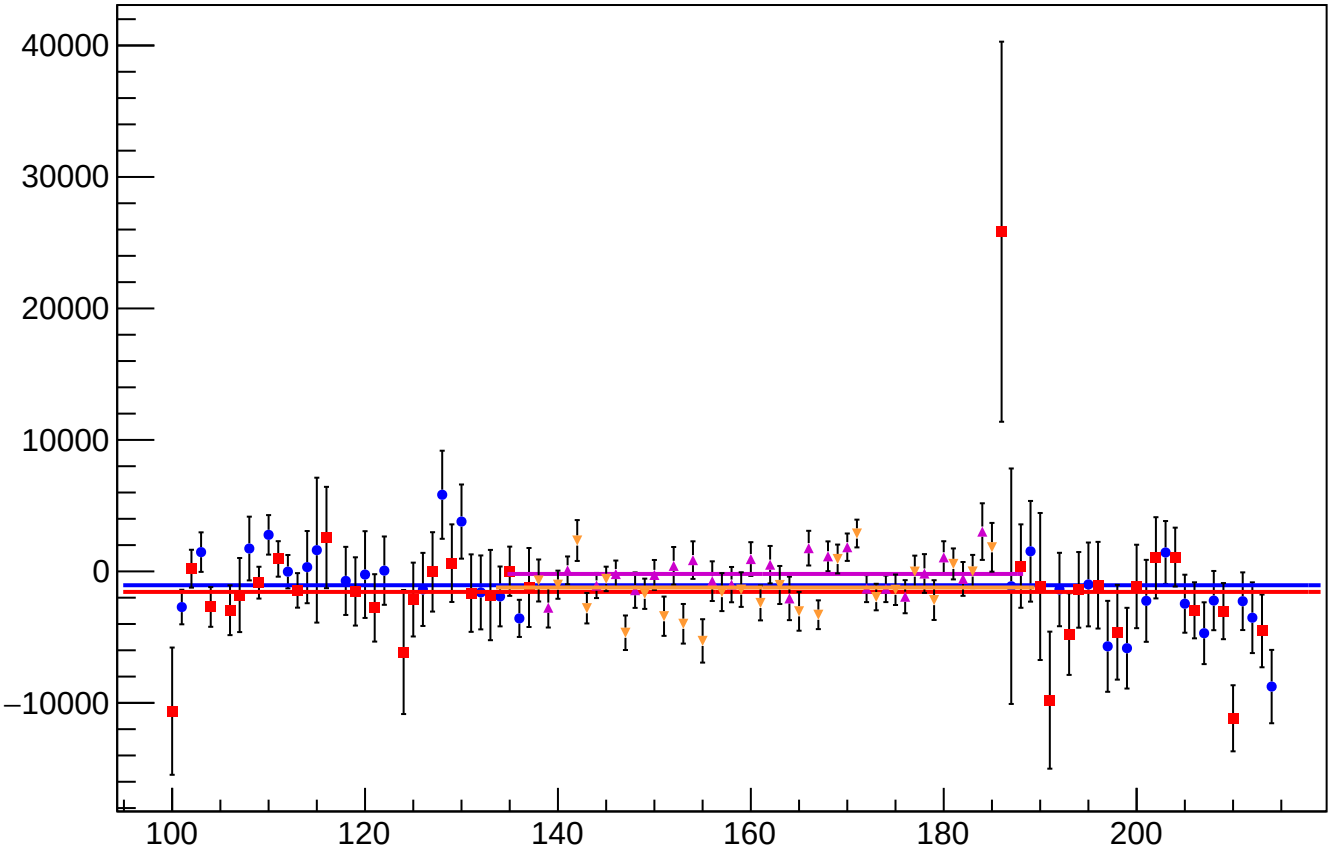
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.965+/-0.017 χ^2/NDF: 2416644.3/54

All: 148.406+/-0.012 χ^2/NDF: 5725002.8/11

- sign 148.862+/-0.018 χ^2/NDF: 3307052.7/56

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1052.771+/-414.858 χ^2/NDF: 42.0/29

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1560.457+/-400.354 χ^2/NDF: 40.9/33

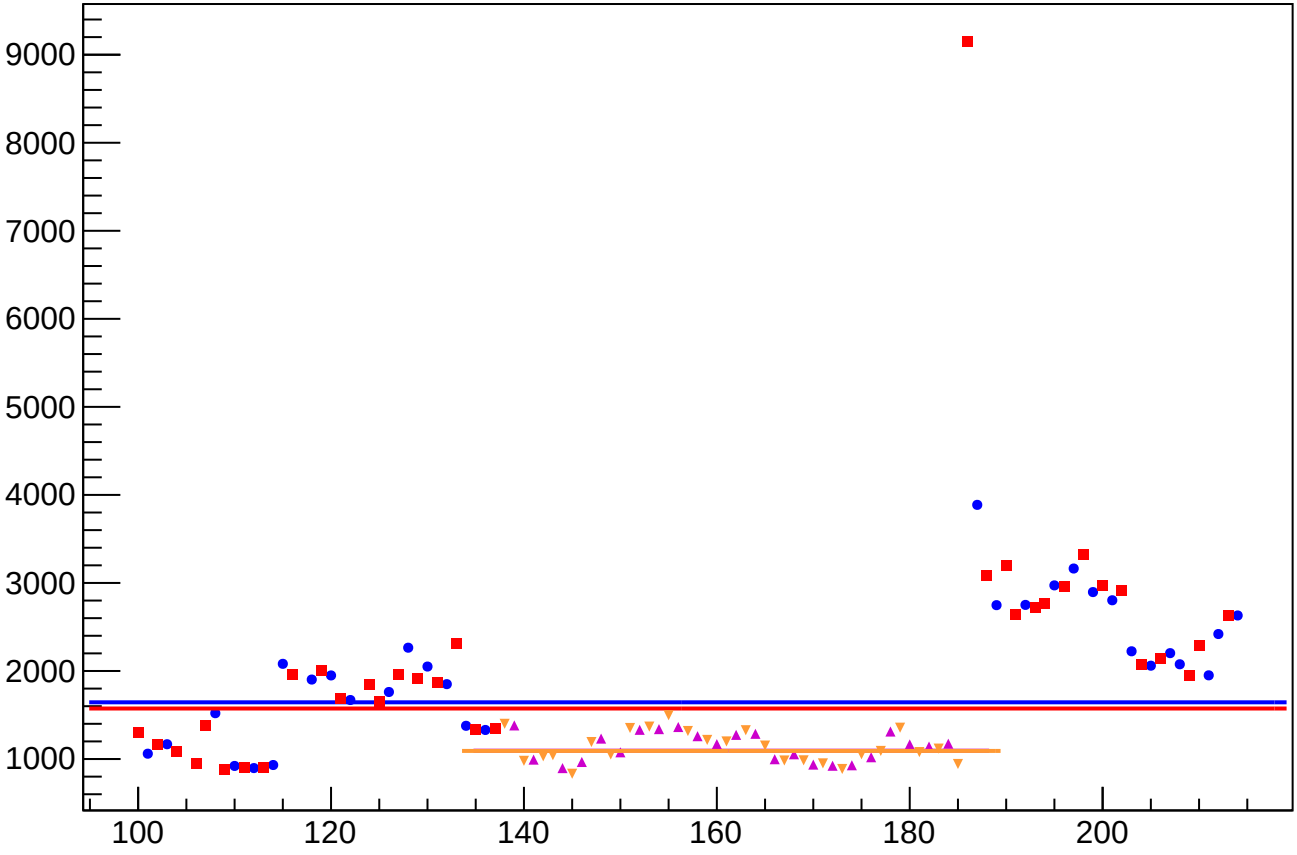
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1178.665+/-215.233 χ^2/NDF: 101.4/54

All: -890.692+/-152.958 χ^2/NDF: 177.4/111

- sign -596.850+/-217.415 χ^2/NDF: 72.4/56

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1644.166+/-0.293 χ^2/NDF: 4971607.1/29

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1573.723+/-0.283 χ^2/NDF: 6801517.5/33

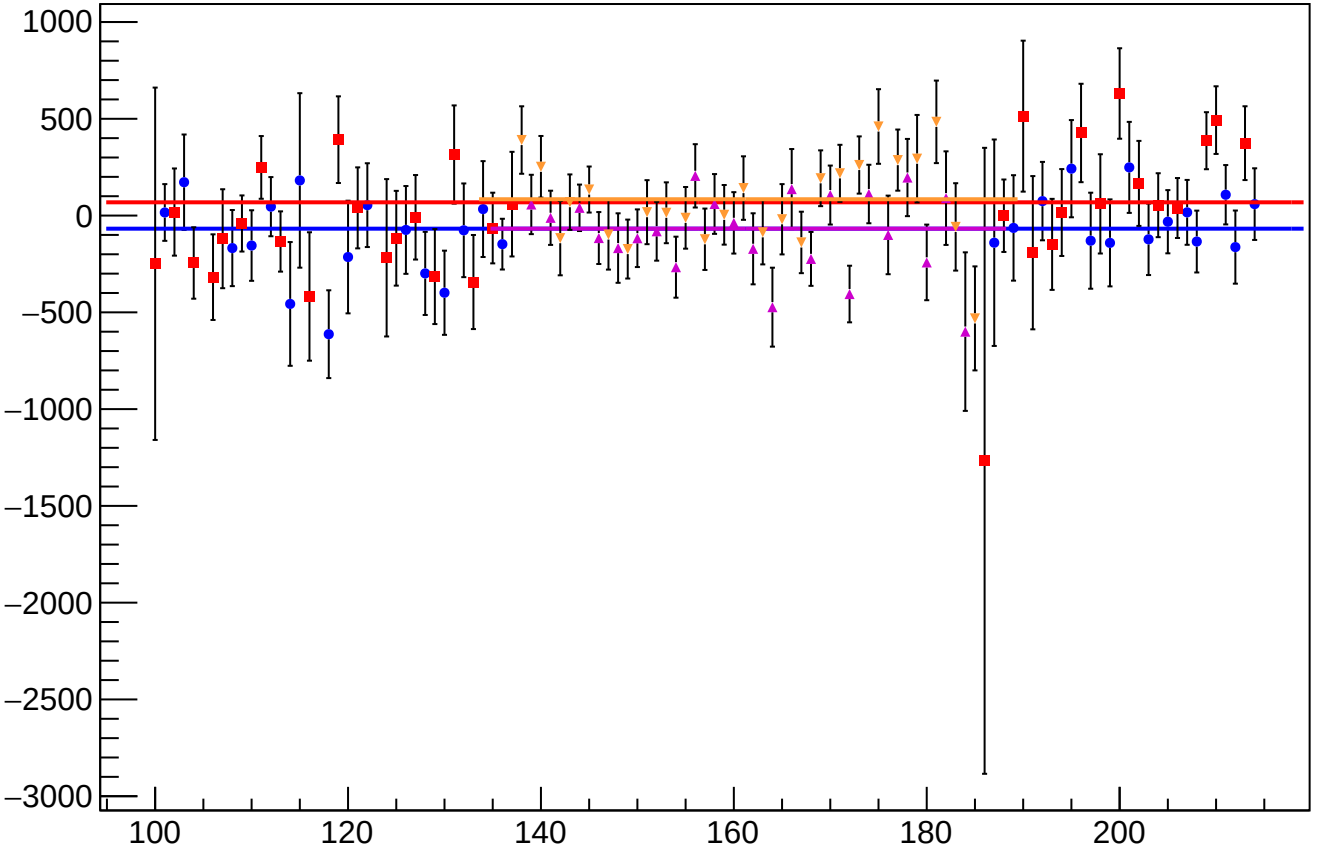
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1240.609+/-0.152 χ^2/NDF: 8453585.9/54

All: 1238.235+/-0.108 χ^2/NDF: 18009260.9/1

- sign 1235.814+/-0.154 χ^2/NDF: 9555183.7/56

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -67.728+/-36.870 χ^2/NDF: 21.1/29

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 68.463+/-36.873 χ^2/NDF: 47.0/33

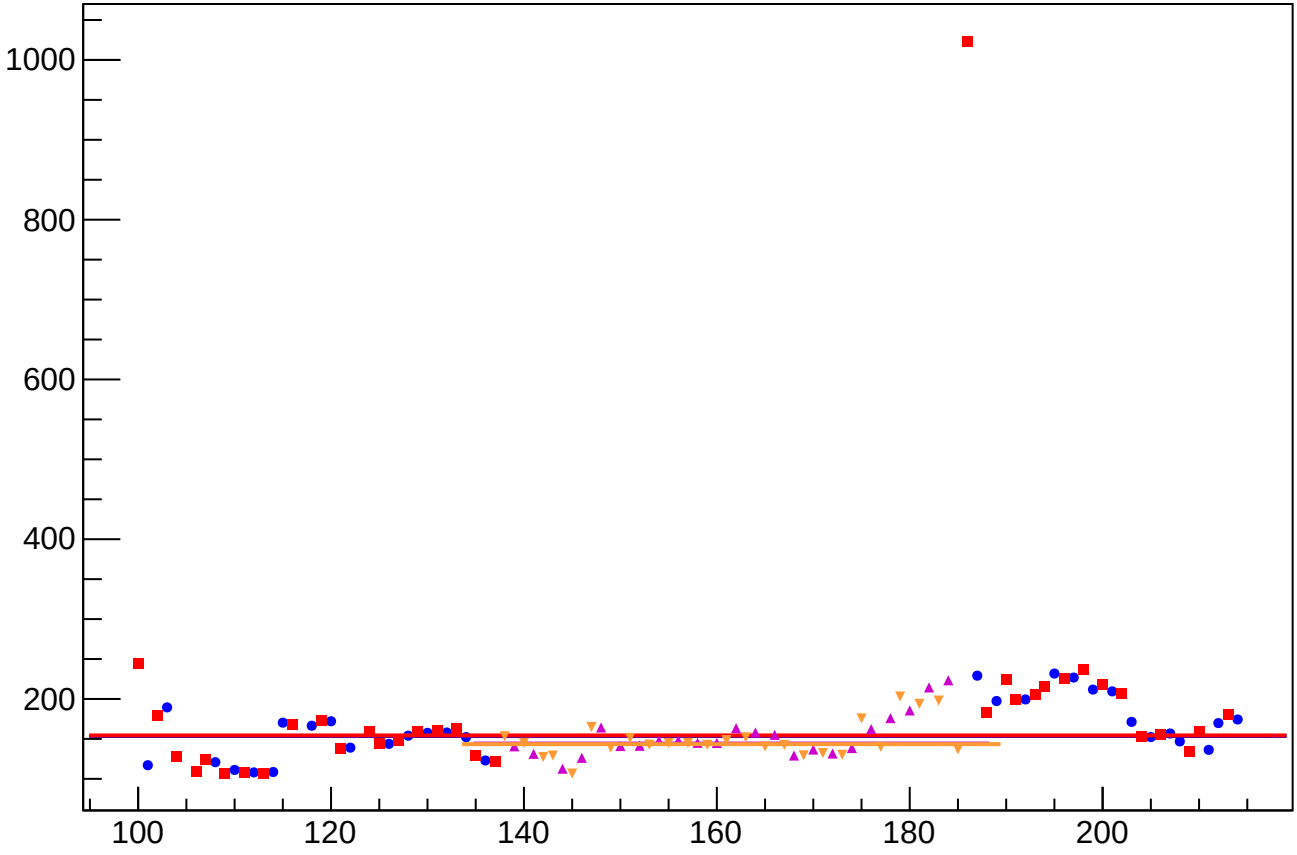
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 16.622+/-24.604 χ^2/NDF: 64.3/54

All: 6.089+/-17.553 χ^2/NDF: 145.6/111

- sign -4.829+/-25.050 χ^2/NDF: 80.9/56

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.597+/-0.026 χ^2/NDF: 1585466.0/29

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

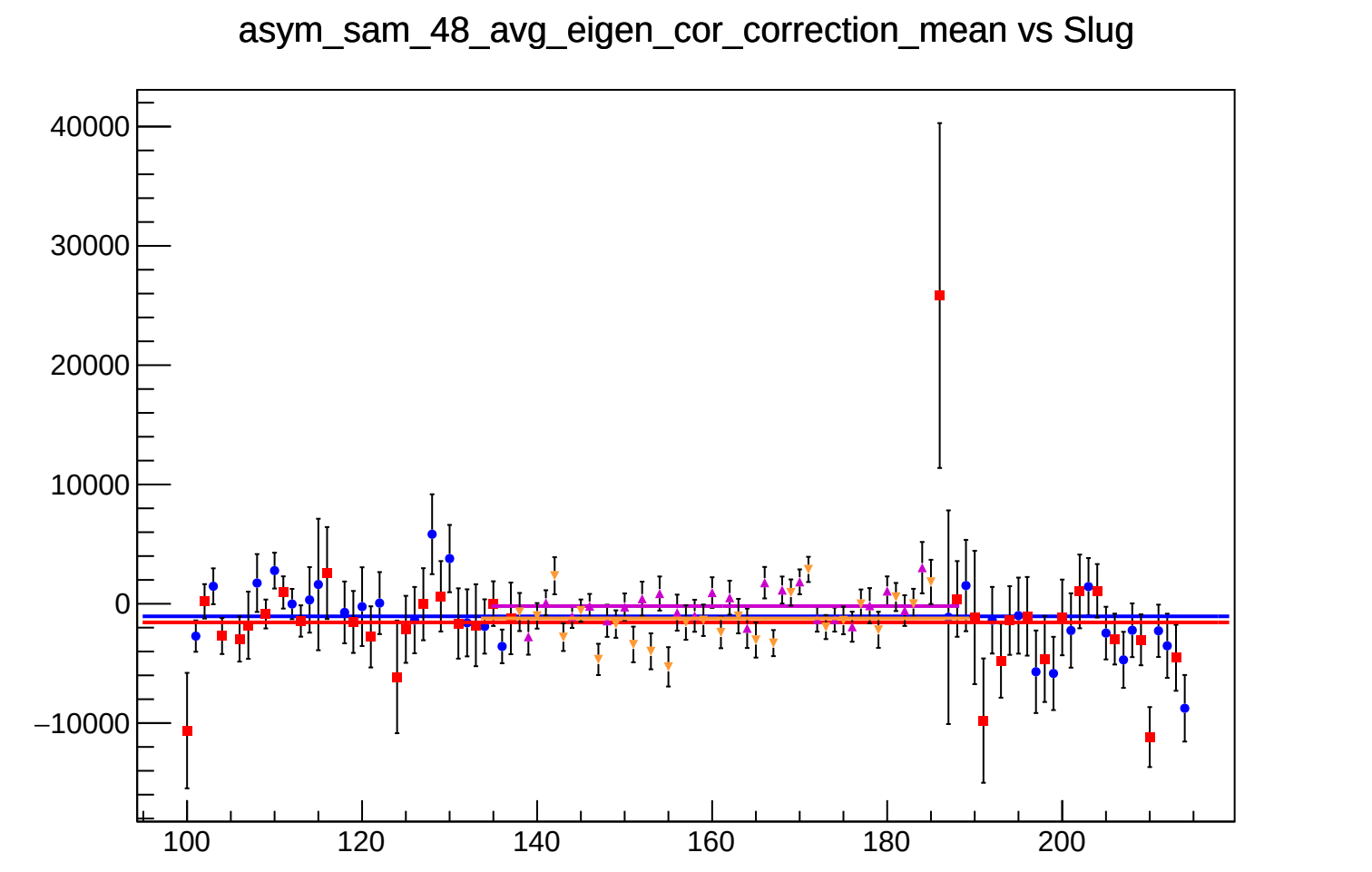
Right Out: 154.336+/-0.026 χ^2/NDF: 2522478.4/33

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.965+/-0.017 χ^2/NDF: 2416644.3/54

All: 148.406+/-0.012 χ^2/NDF: 5725002.8/11

- sign 148.862+/-0.018 χ^2/NDF: 3307052.7/56



Right In: -1052.771+/-414.858 χ^2/NDF: 42.0/29

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1560.457+/-400.354 χ^2/NDF: 40.9/33

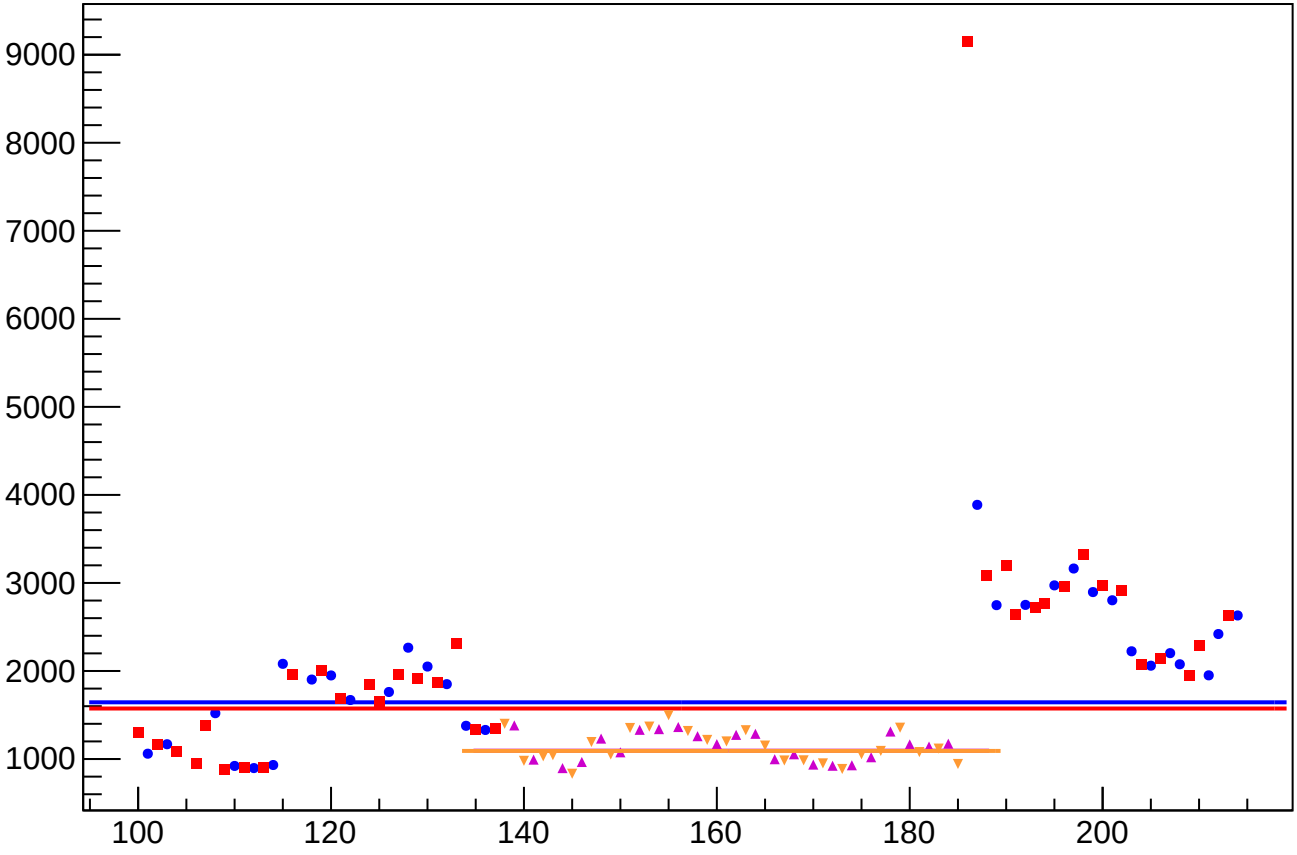
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1178.665+/-215.233 χ^2/NDF: 101.4/54

All: -890.692+/-152.958 χ^2/NDF: 177.4/111

- sign -596.850+/-217.415 χ^2/NDF: 72.4/56

asym_sam_48_avg_eigen_cor_correction_rms vs Slug



Right In: 1644.166+/-0.293 χ^2/NDF: 4971607.1/29

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1573.723+/-0.283 χ^2/NDF: 6801517.5/33

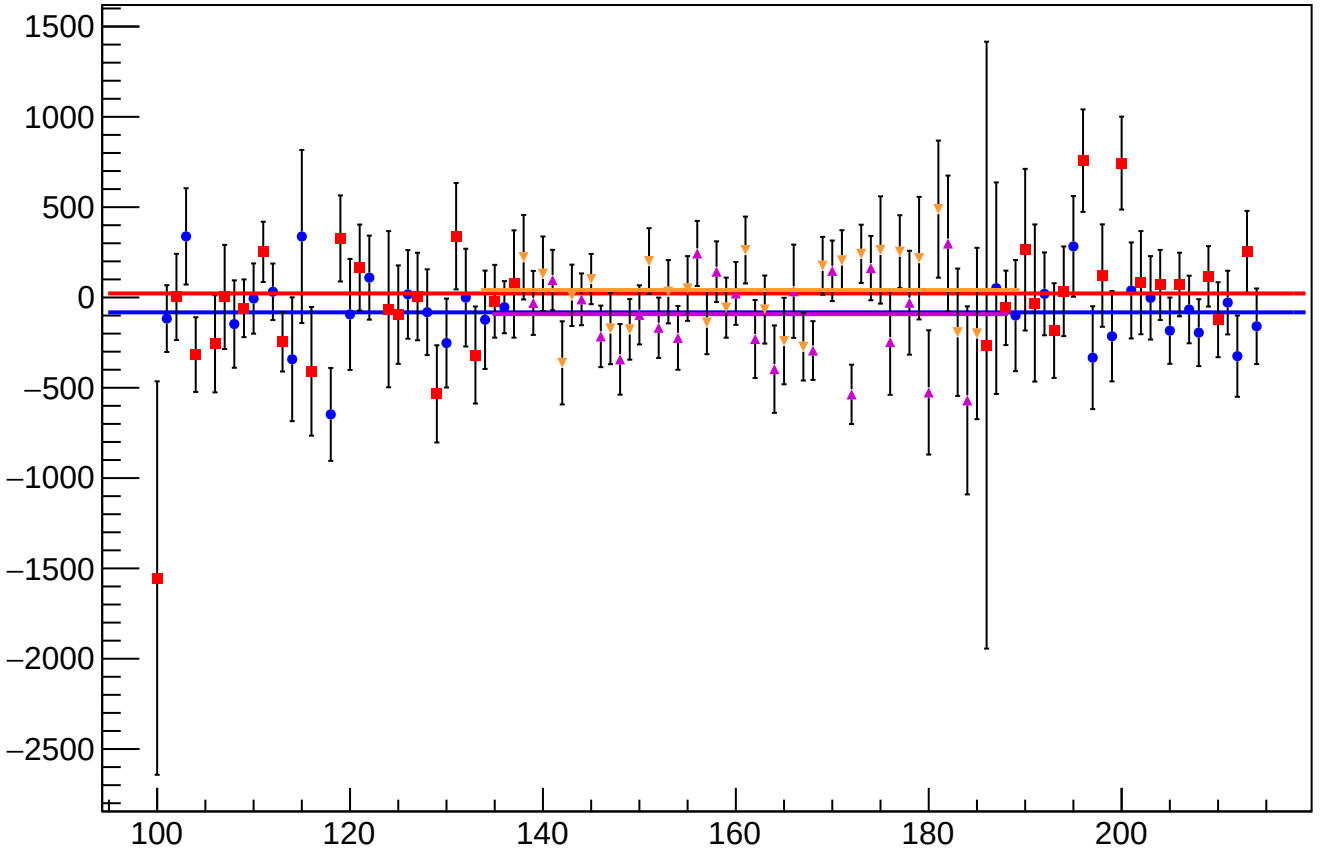
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1240.609+/-0.152 χ^2/NDF: 8453585.9/54

All: 1238.235+/-0.108 χ^2/NDF: 18009260.9/1

- sign 1235.814+/-0.154 χ^2/NDF: 9555183.7/56

dit_asym_sam_48_avg_mean vs Slug



Right In: -82.381+/-41.541 χ^2/NDF: 16.3/29

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 22.198+/-41.234 χ^2/NDF: 39.3/33

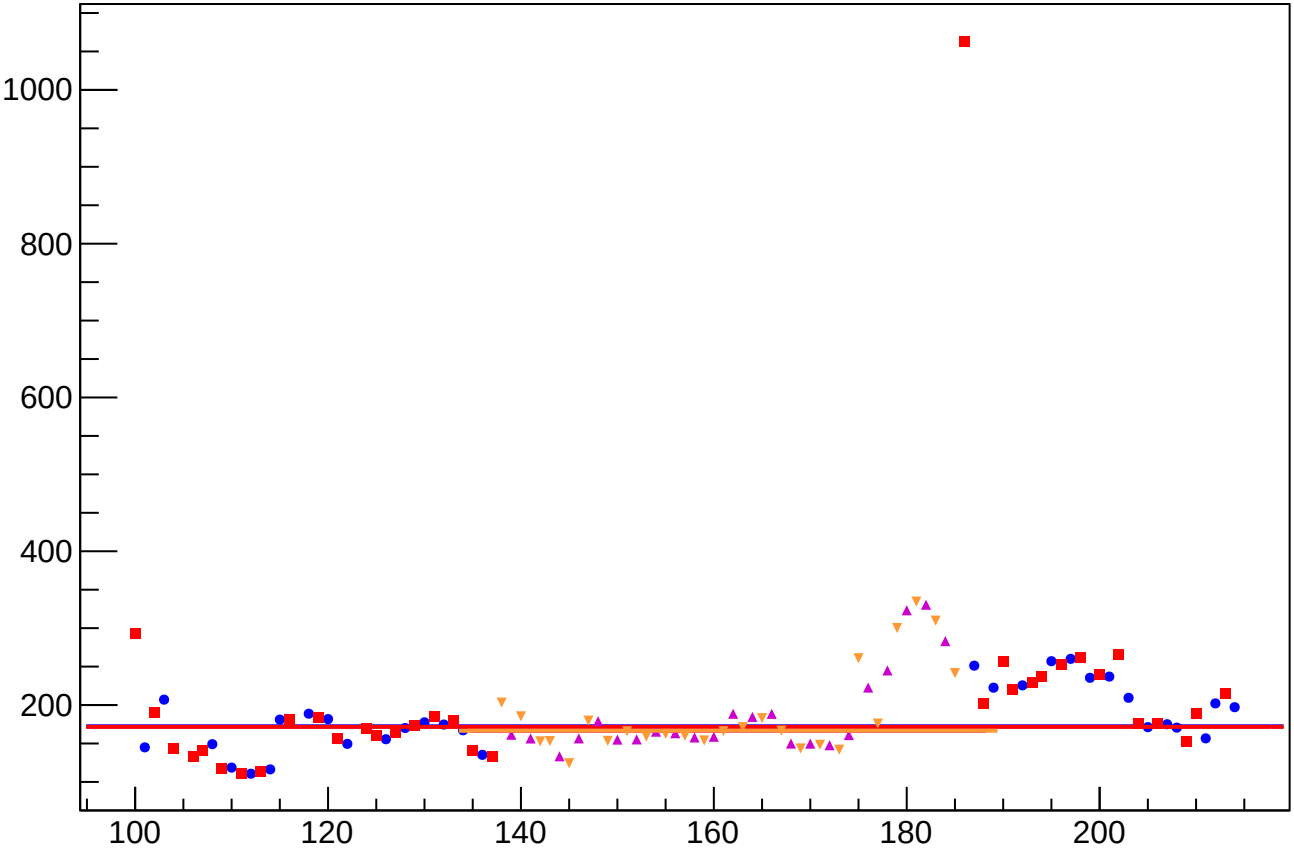
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -17.034+/-28.501 χ^2/NDF: 43.3/54

All: -26.767+/-20.248 χ^2/NDF: 116.3/111

- sign -36.685+/-28.771 χ^2/NDF: 72.8/56

dit_asym_sam_48_avg_rms vs Slug



Right In: 172.342+/-0.029 χ^2/NDF: 1735042.1/29

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 171.621+/-0.029 χ^2/NDF: 2757446.7/33

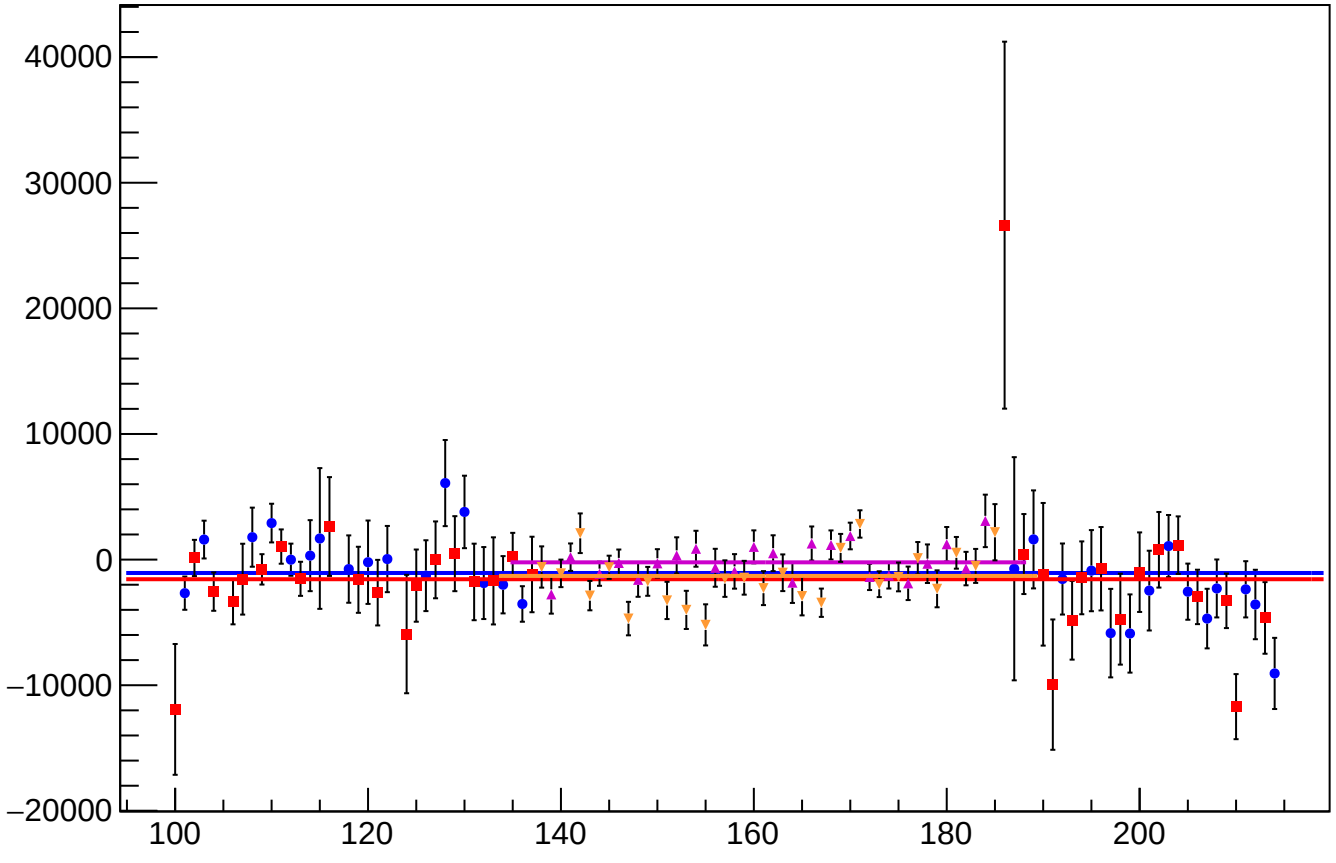
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 169.302+/-0.020 χ^2/NDF: 3475109.7/54

All: 169.100+/-0.014 χ^2/NDF: 7642261.0/11

- sign 168.895+/-0.020 χ^2/NDF: 4166949.0/56

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1064.951+/-419.986 χ^2/NDF: 42.5/29

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1562.225+/-403.862 χ^2/NDF: 42.9/33

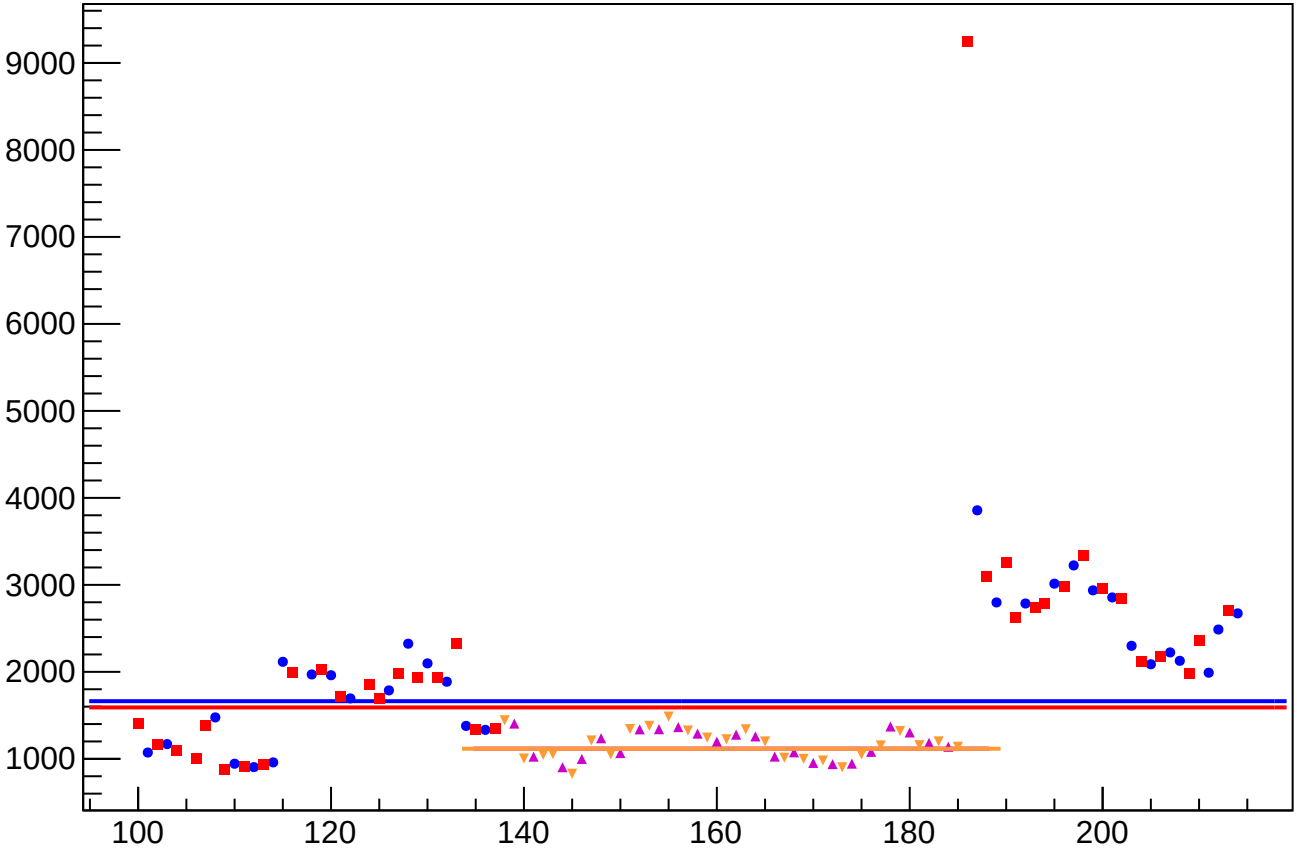
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1234.765+/-219.190 χ^2/NDF: 97.8/54

All: -930.571+/-155.698 χ^2/NDF: 174.7/111

- sign -620.764+/-221.203 χ^2/NDF: 72.9/56

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1662.861+/-0.297 χ^2/NDF: 5057863.4/29

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1591.074+/-0.286 χ^2/NDF: 6788617.2/33

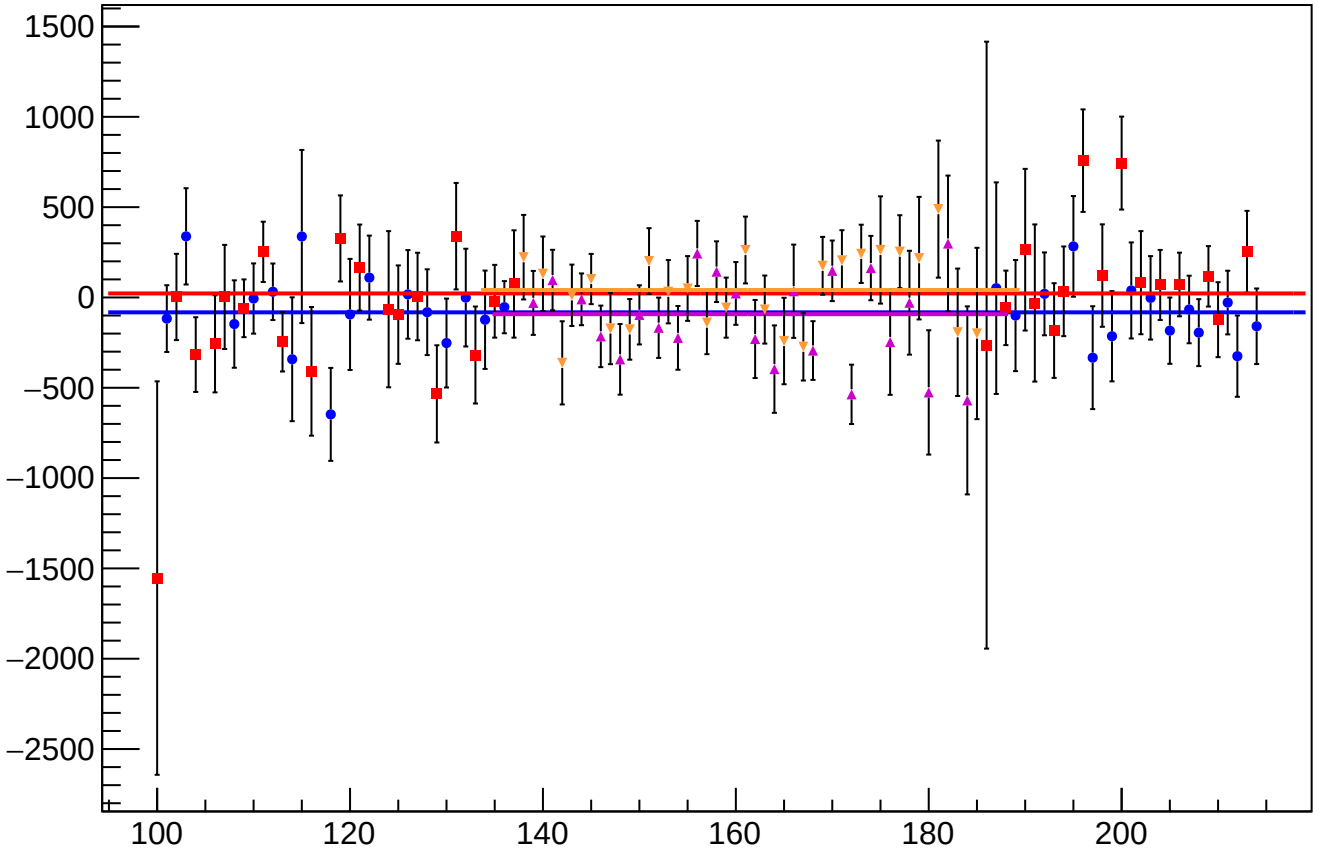
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1264.977+/-0.155 χ^2/NDF: 8392341.3/54

All: 1262.414+/-0.110 χ^2/NDF: 17833246.9/1

- sign 1259.803+/-0.156 χ^2/NDF: 9440353.4/56

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -82.377+/-41.541 χ^2/NDF: 16.3/29

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 22.200+/-41.234 χ^2/NDF: 39.3/33

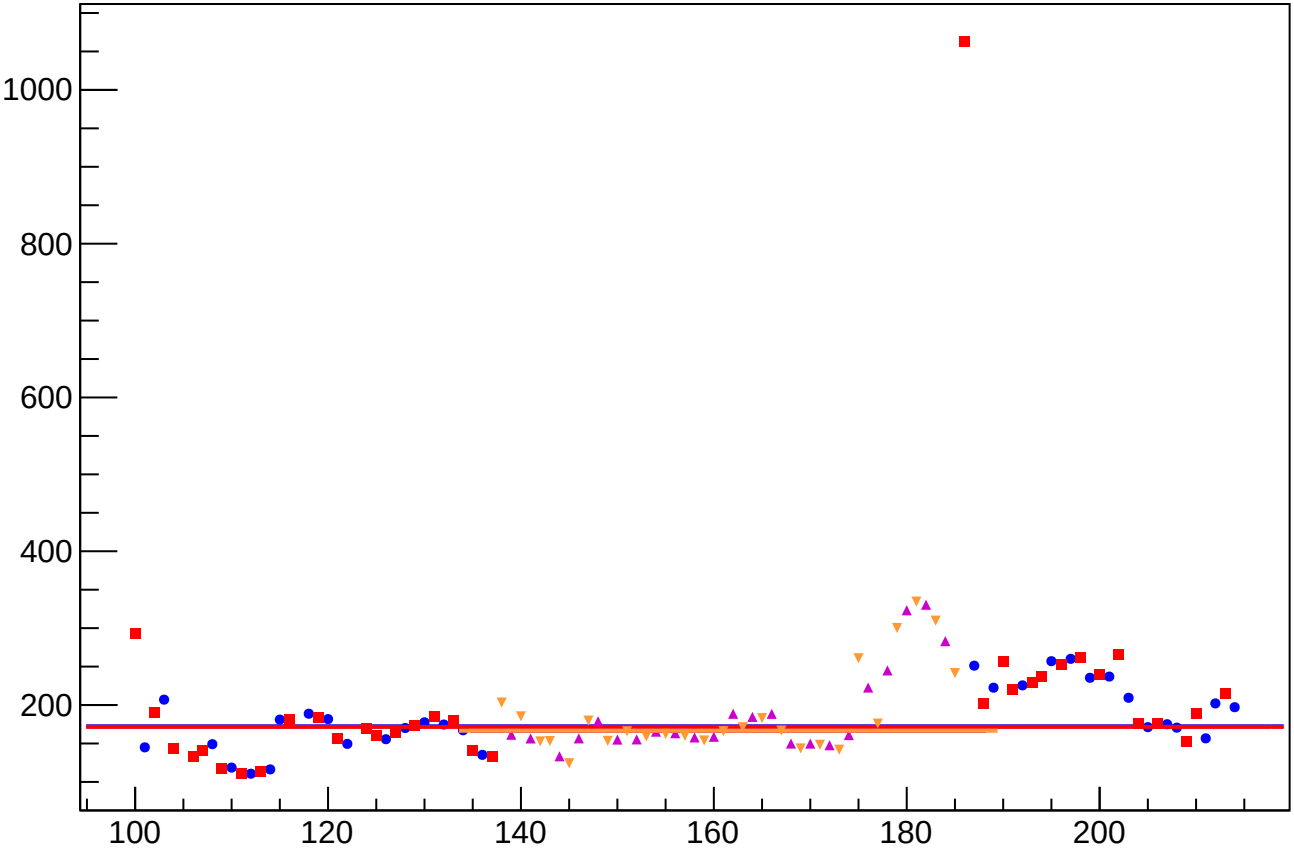
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -17.032+/-28.501 χ^2/NDF: 43.3/54

All: -26.765+/-20.248 χ^2/NDF: 116.3/111

- sign -36.684+/-28.772 χ^2/NDF: 72.8/56

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 172.342+/-0.029 χ^2/NDF: 1735025.7/29

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

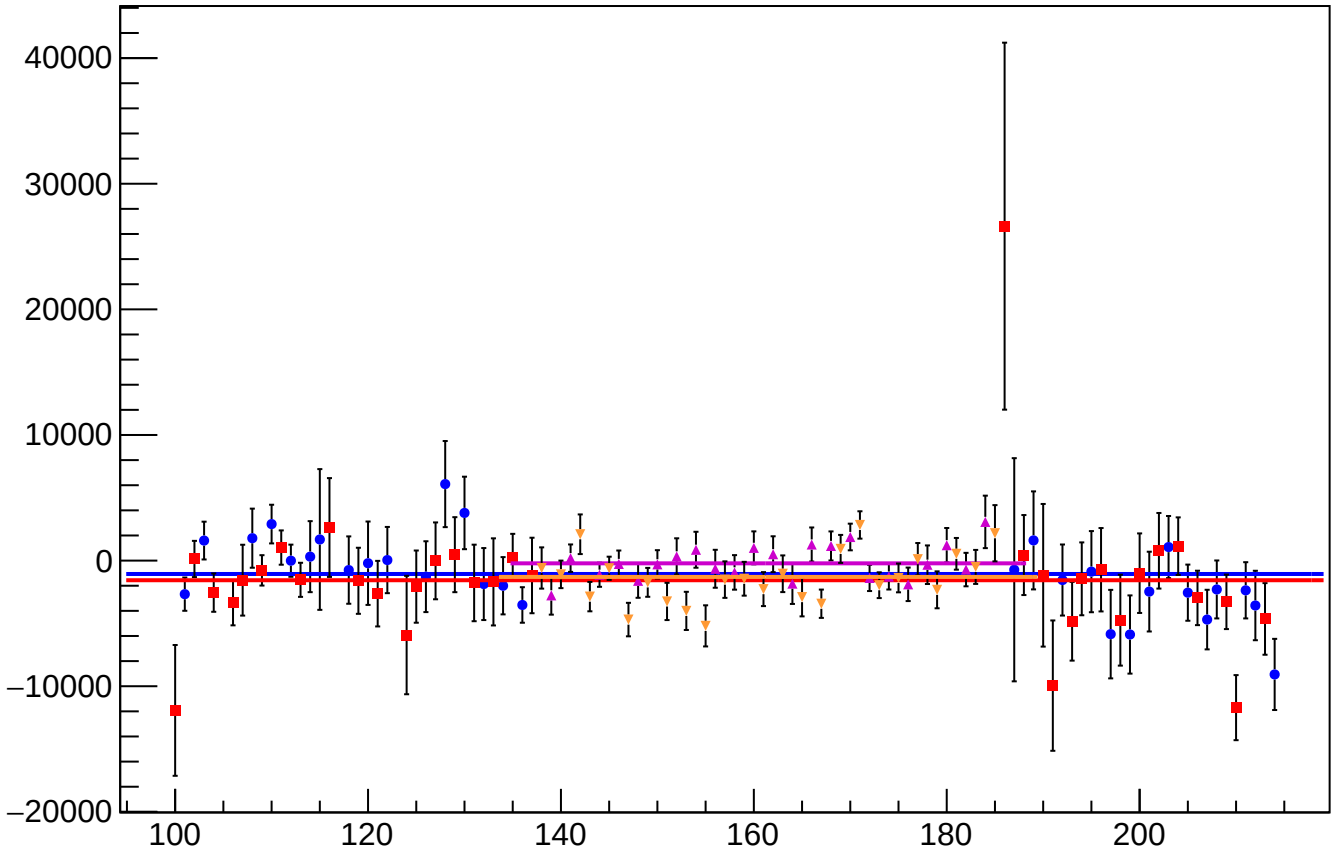
Right Out: 171.621+/-0.029 χ^2/NDF: 2757448.8/33

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 169.302+/-0.020 χ^2/NDF: 3475085.0/54

All: 169.100+/-0.014 χ^2/NDF: 7642216.3/111

- sign 168.895+/-0.020 χ^2/NDF: 4166928.9/56



Right In: -1064.949+/-419.985 χ^2/NDF: 42.5/29

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1562.222+/-403.861 χ^2/NDF: 42.9/33

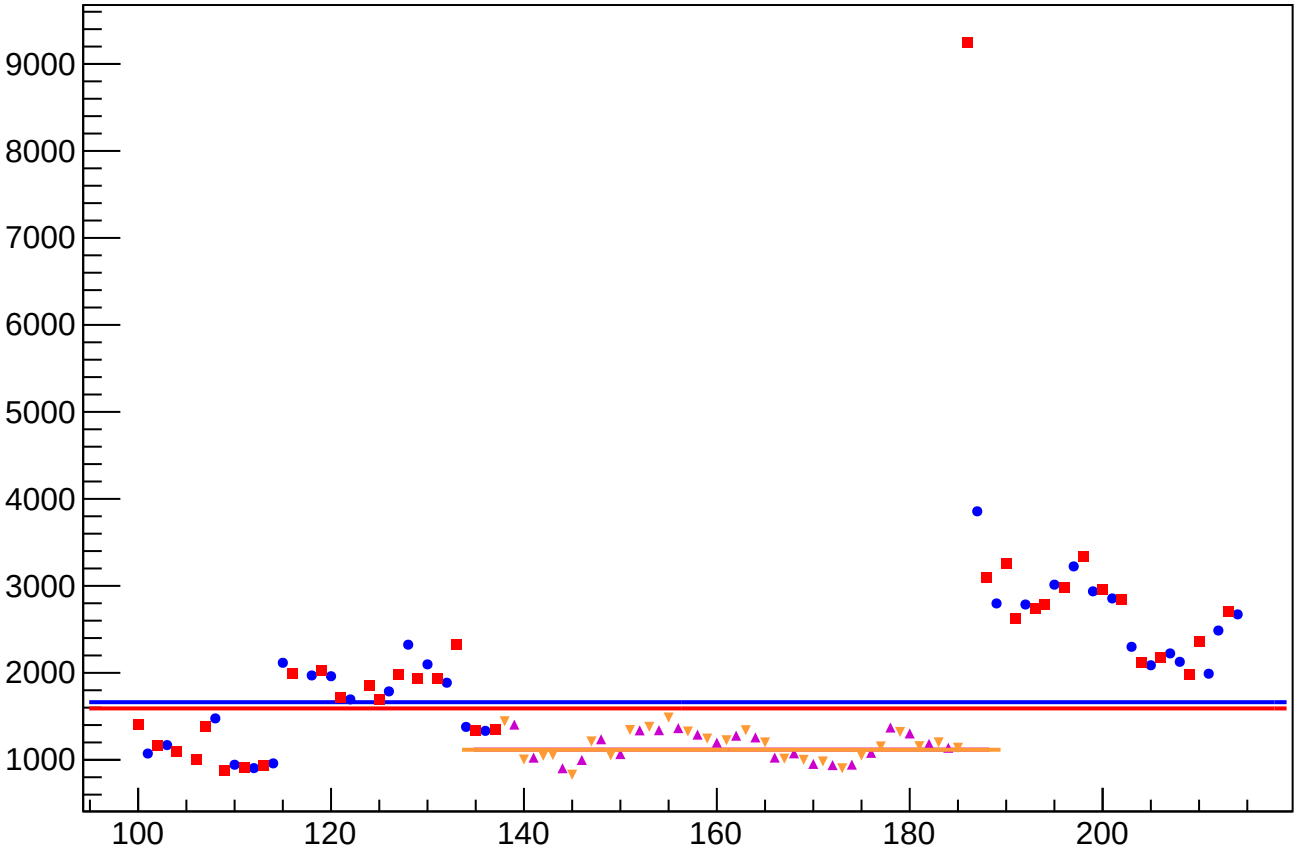
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1234.762+/-219.190 χ^2/NDF: 97.8/54

All: -930.569+/-155.697 χ^2/NDF: 174.7/111

- sign -620.761+/-221.203 χ^2/NDF: 72.9/56

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1662.859+/-0.297 χ^2/NDF: 5057866.7/29

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1591.072+/-0.286 χ^2/NDF: 6788617.2/33

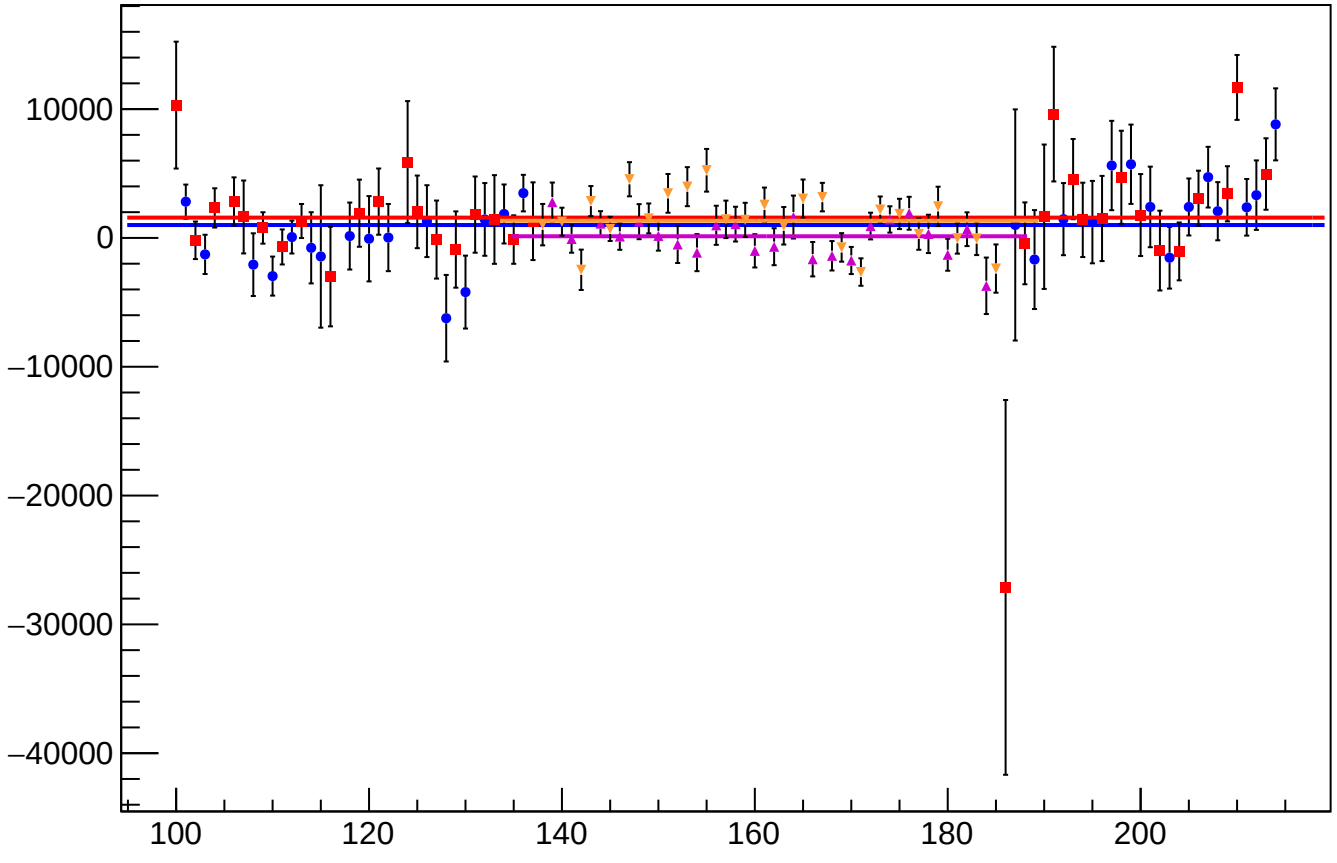
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1264.975+/-0.155 χ^2/NDF: 8392355.3/54

All: 1262.412+/-0.110 χ^2/NDF: 17833266.9/1

- sign 1259.801+/-0.156 χ^2/NDF: 9440359.4/56

asym_sam_48_avg_mean vs Slug



Right In: 1001.328+/-417.315 χ^2/NDF: 43.3/29

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1576.799+/-402.312 χ^2/NDF: 42.1/33

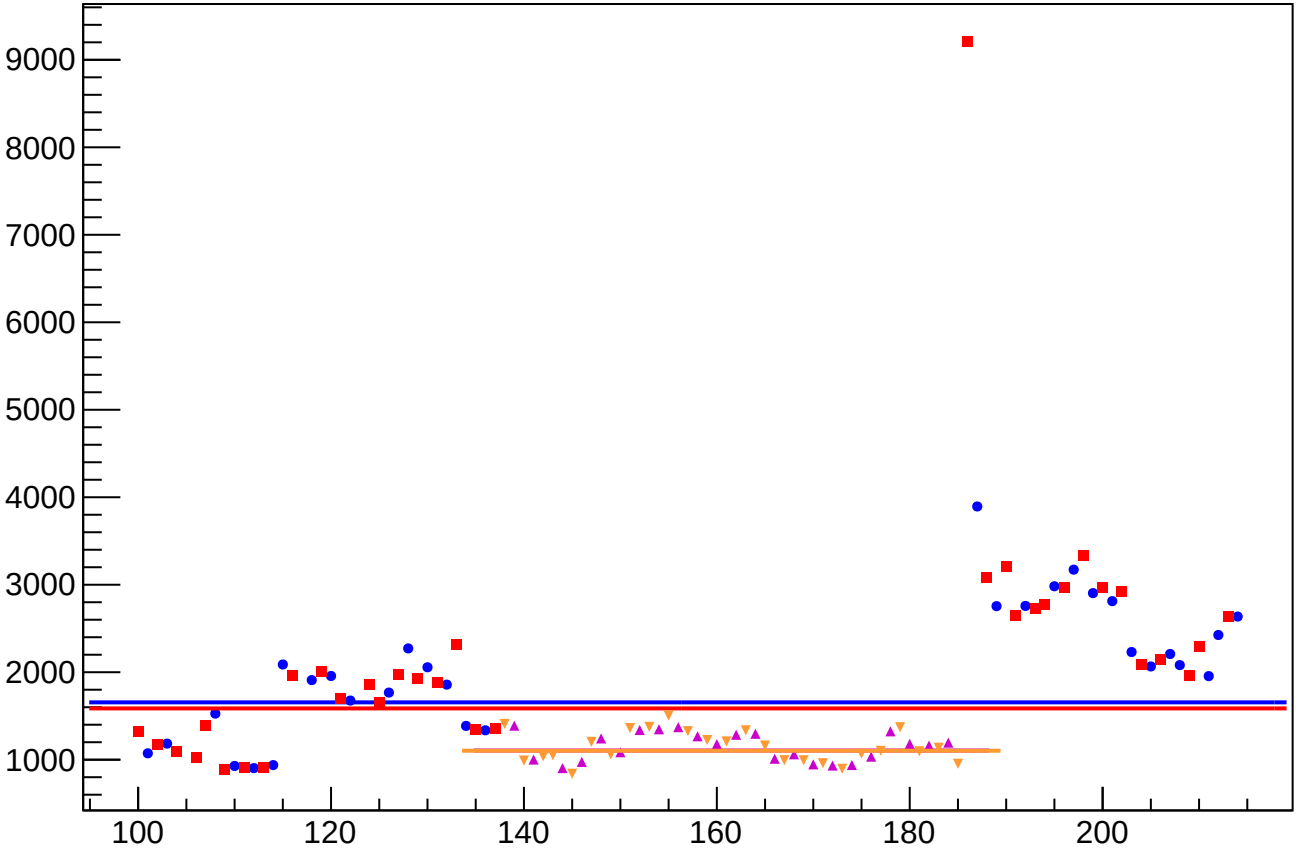
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

\+ sign 1244.490+/-217.087 χ^2/NDF: 99.4/54

All: 904.758+/-154.247 χ^2/NDF: 179.6/111

\- sign 558.368+/-219.204 χ^2/NDF: 75.2/56

asym_sam_48_avg_rms vs Slug



Right In: 1655.579+/-0.295 χ^2/NDF: 4907635.0/29

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

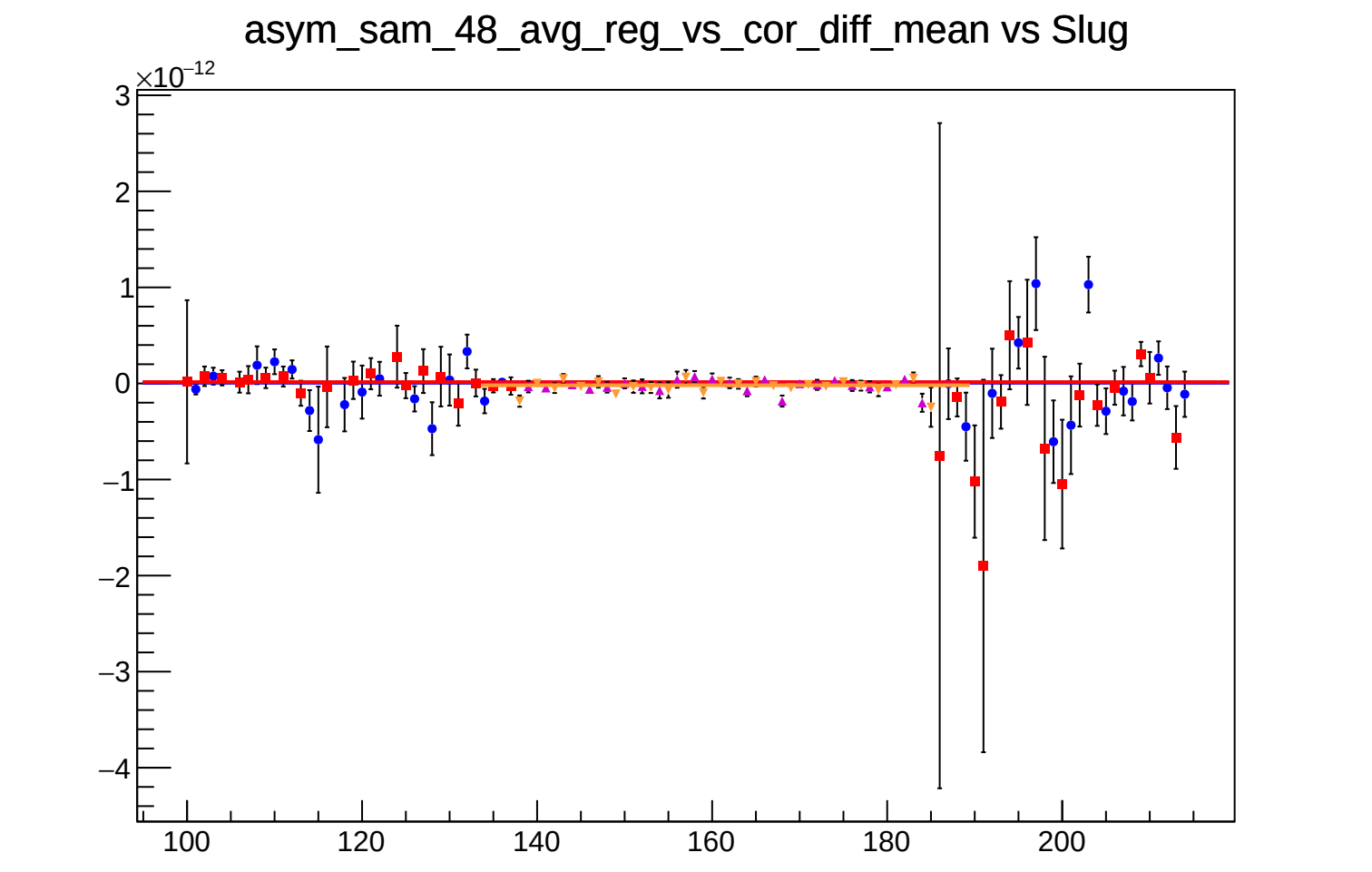
Right Out: 1586.314+/-0.284 χ^2/NDF: 6705198.2/33

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1252.313+/-0.154 χ^2/NDF: 8348595.7/54

All: 1250.192+/-0.109 χ^2/NDF: 17788589.1/1

- sign 1248.029+/-0.155 χ^2/NDF: 9439607.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 51.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

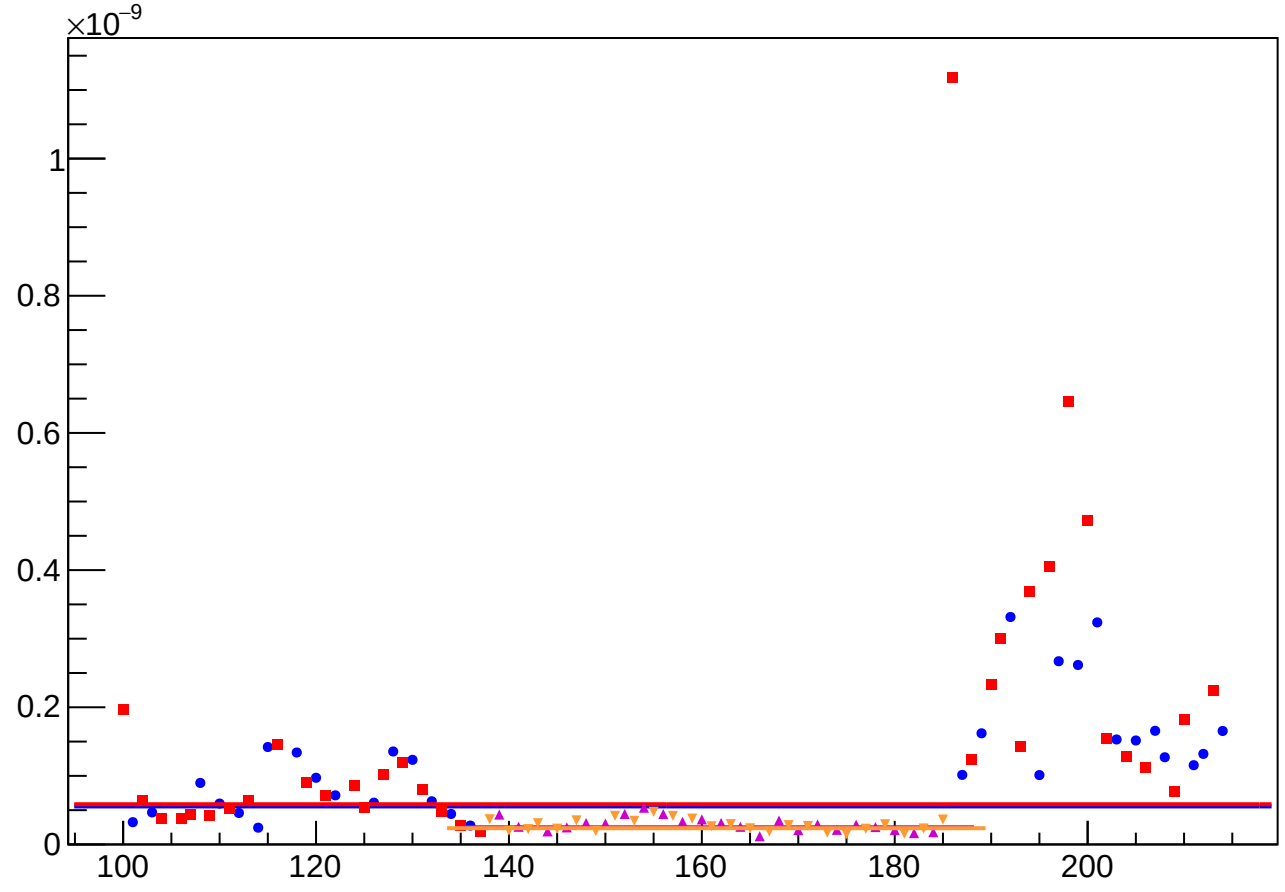
Right Out: 0.000+/-0.000 χ^2/NDF: 24.3/33

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.6/54

All: -0.000+/-0.000 χ^2/NDF: 131.2/111

- sign -0.000+/-0.000 χ^2/NDF: 52.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 6302932.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

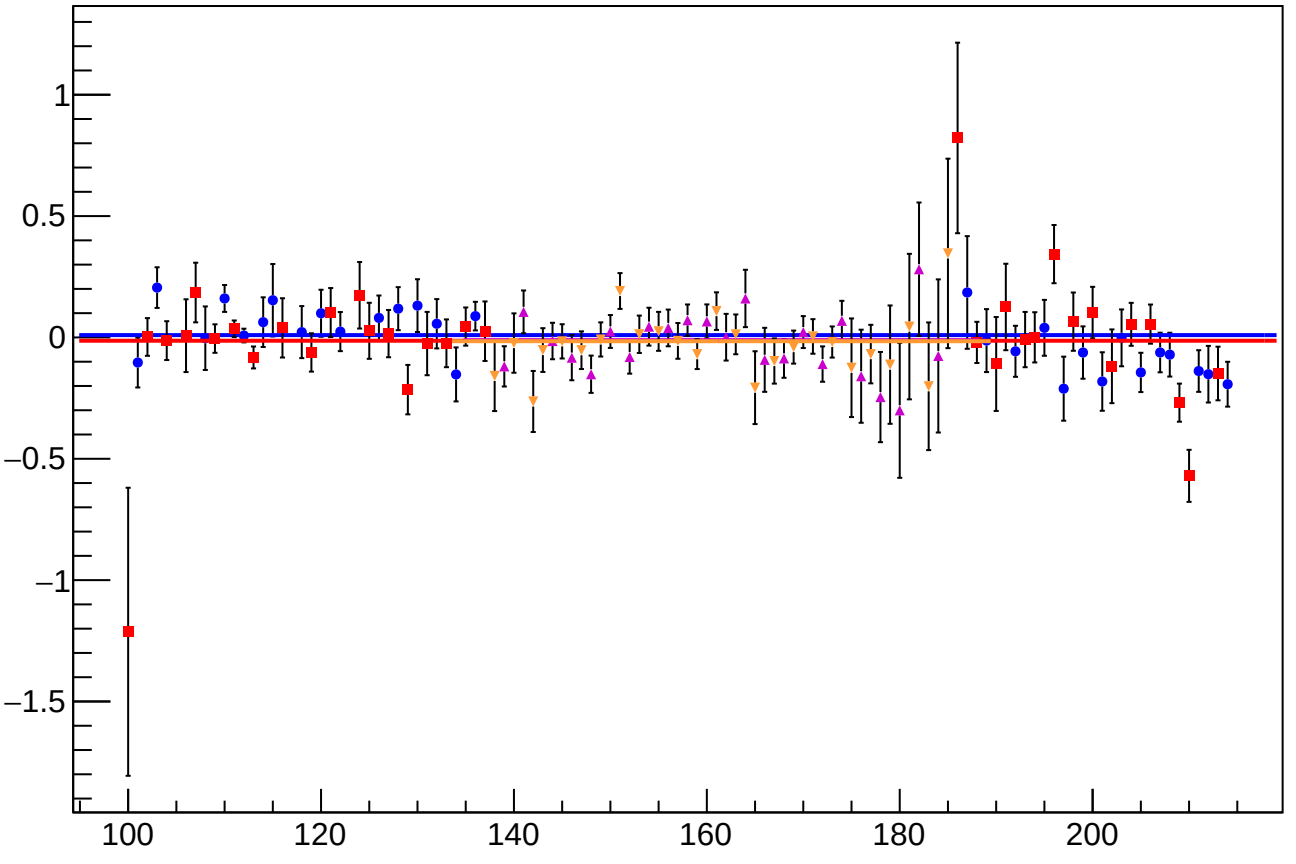
Right Out: 0.000+/-0.000 χ^2/NDF: 6531696.7/33

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10548828.8/54

All: 0.000+/-0.000 χ^2/NDF: 21433730.9/111

- sign 0.000+/-0.000 χ^2/NDF: 10843351.6/56



Right In: 0.010+/-0.015 χ^2/NDF: 45.4/29

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.014+/-0.015 χ^2/NDF: 76.4/33

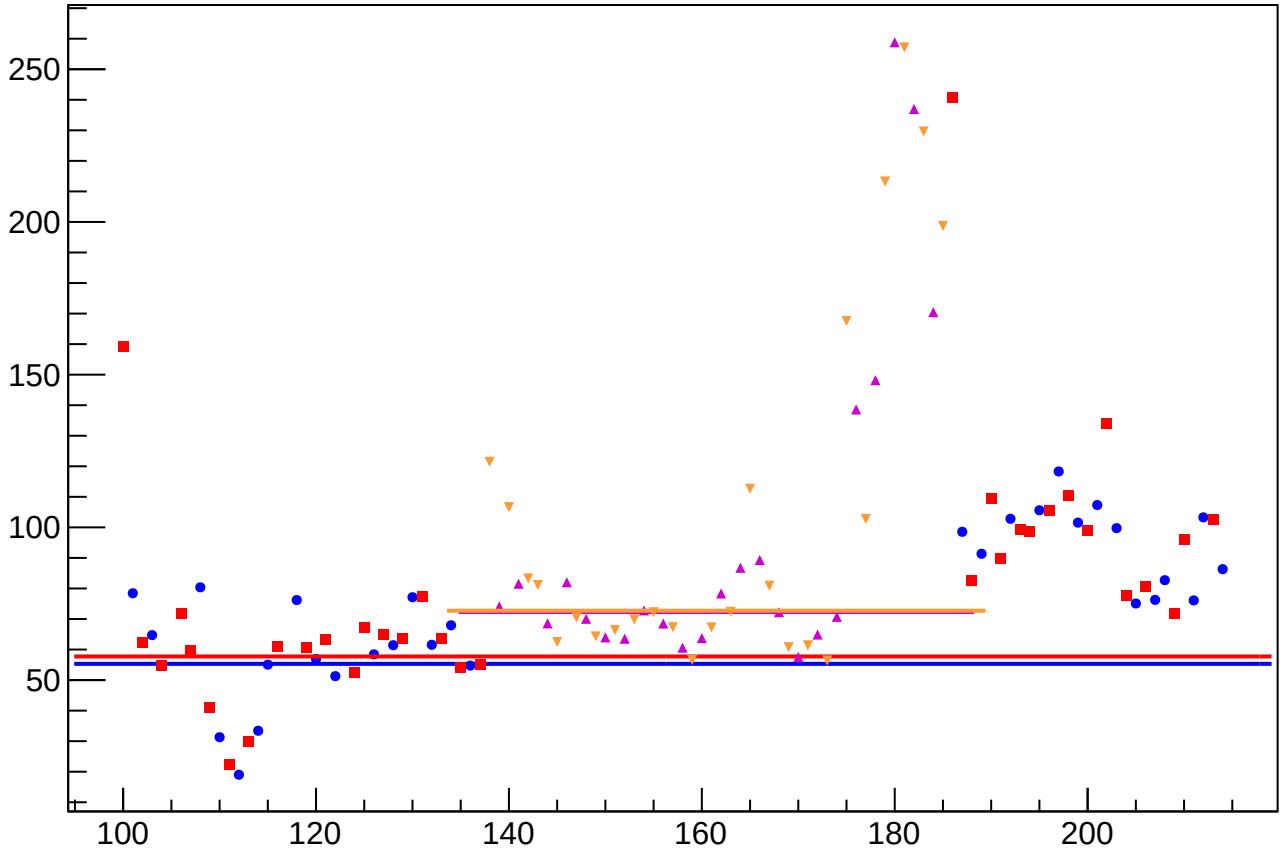
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.001+/-0.012 χ^2/NDF: 68.1/54

All: -0.007+/-0.008 χ^2/NDF: 168.4/111

- sign -0.013+/-0.012 χ^2/NDF: 99.8/56

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.317+/-0.011 χ^2/NDF: 7814251.3/29

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

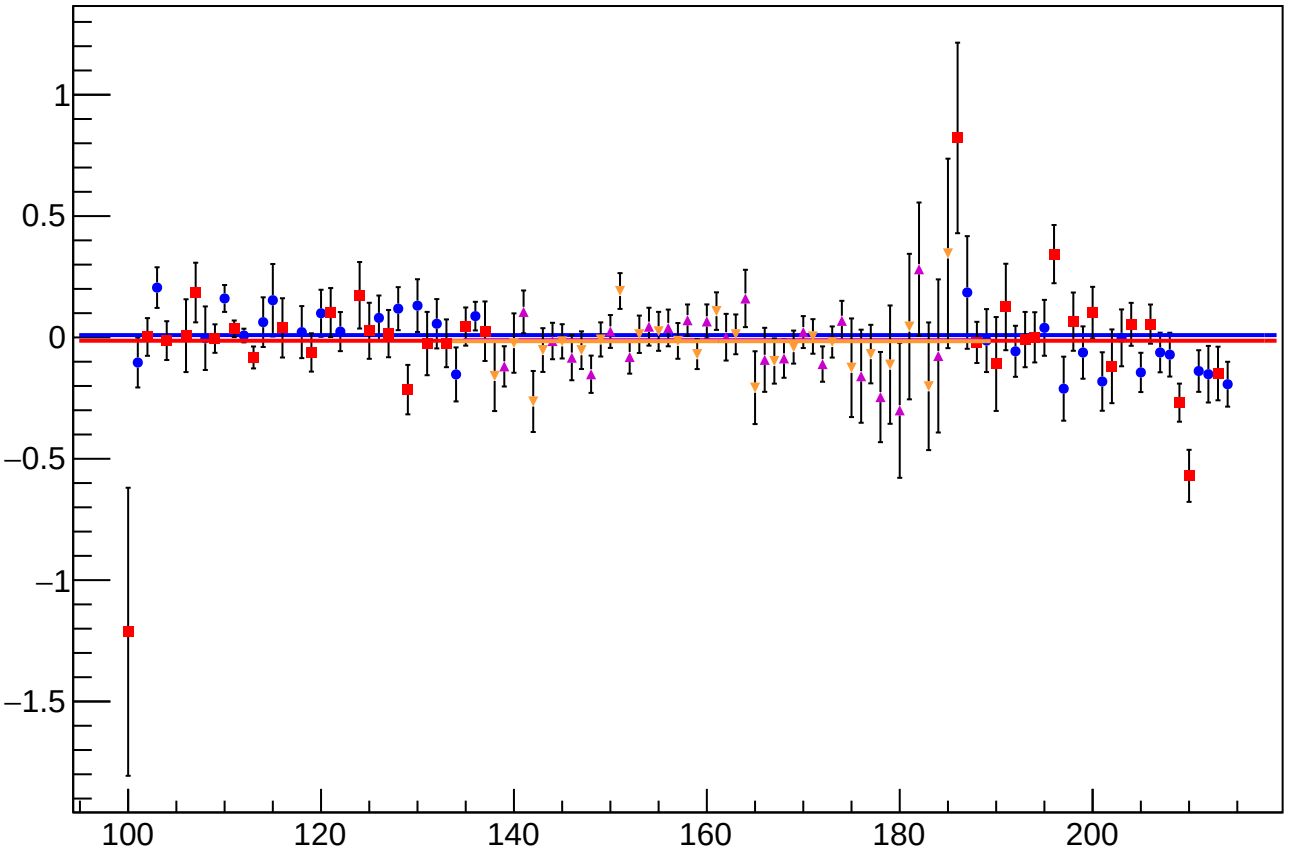
Right Out: 57.736+/-0.011 χ^2/NDF: 7065741.8/33

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 62.463+/-0.008 χ^2/NDF: 12881210.9/54

All: 63.057+/-0.006 χ^2/NDF: 23502424.6/111

- sign 63.665+/-0.008 χ^2/NDF: 10610442.4/56



Right In: 0.010+/-0.015 χ^2/NDF: 45.4/29

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

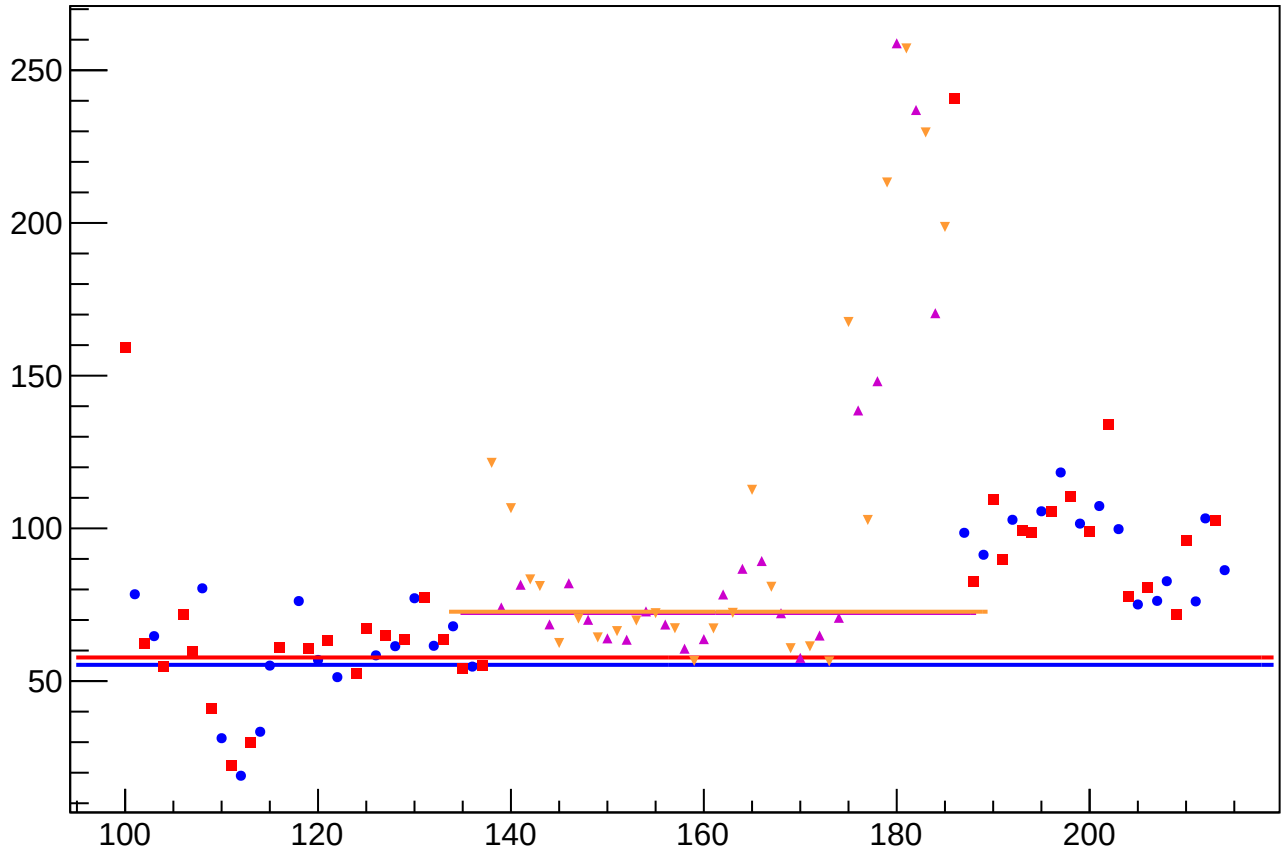
Right Out: -0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.001+/-0.012 χ^2/NDF: 68.1/54

All: -0.007+/-0.008 χ^2/NDF: 168.4/111

- sign -0.013+/-0.012 χ^2/NDF: 99.8/56



Right In: 55.317+/-0.011 χ^2/NDF: 7814251.3/29

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

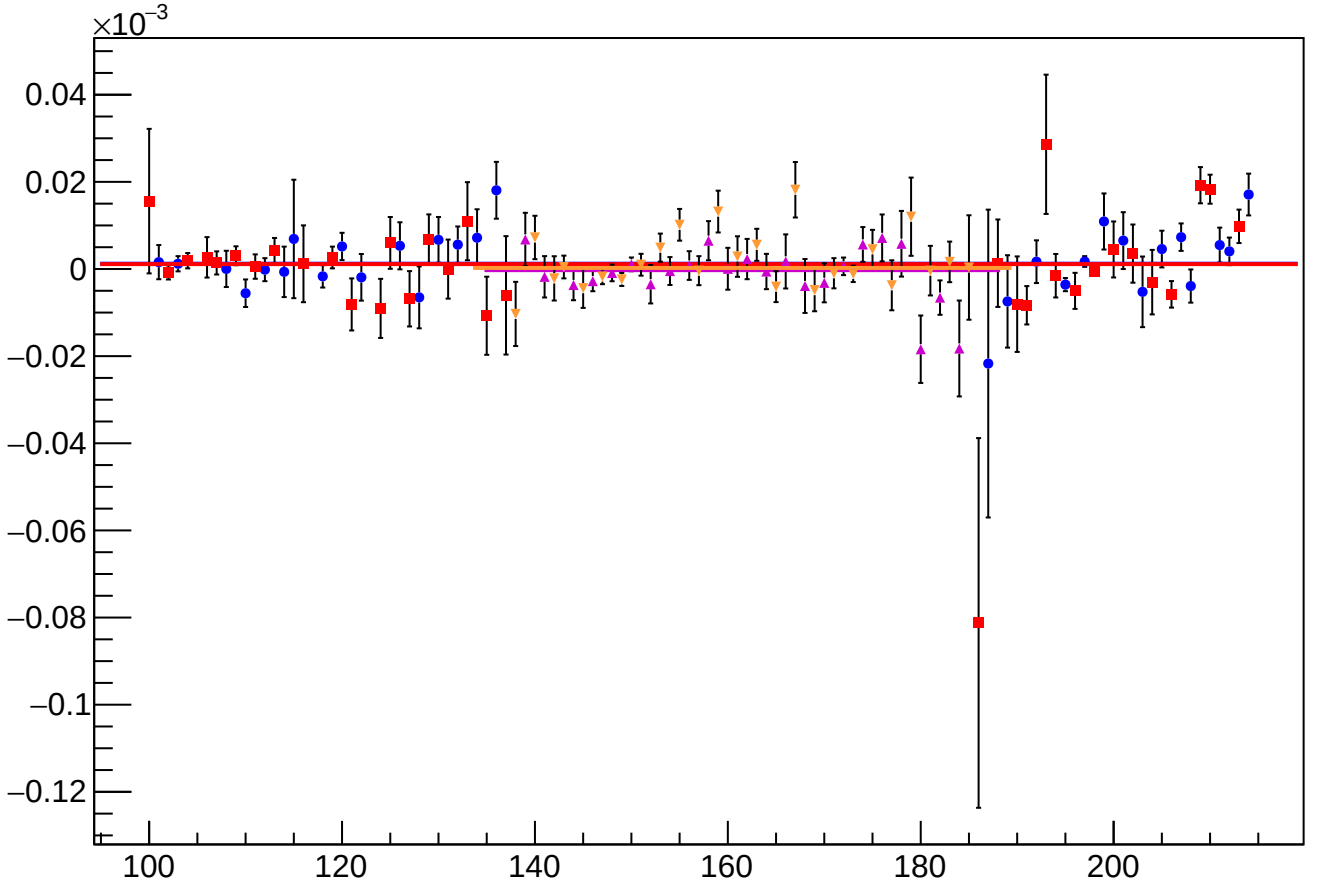
Right Out: 57.736+/-0.011 χ^2/NDF: 7065741.8/33

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 62.463+/-0.008 χ^2/NDF: 12881210.9/54

All: 63.057+/-0.006 χ^2/NDF: 23502424.6/111

- sign 63.665+/-0.008 χ^2/NDF: 10610442.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 53.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 90.3/33

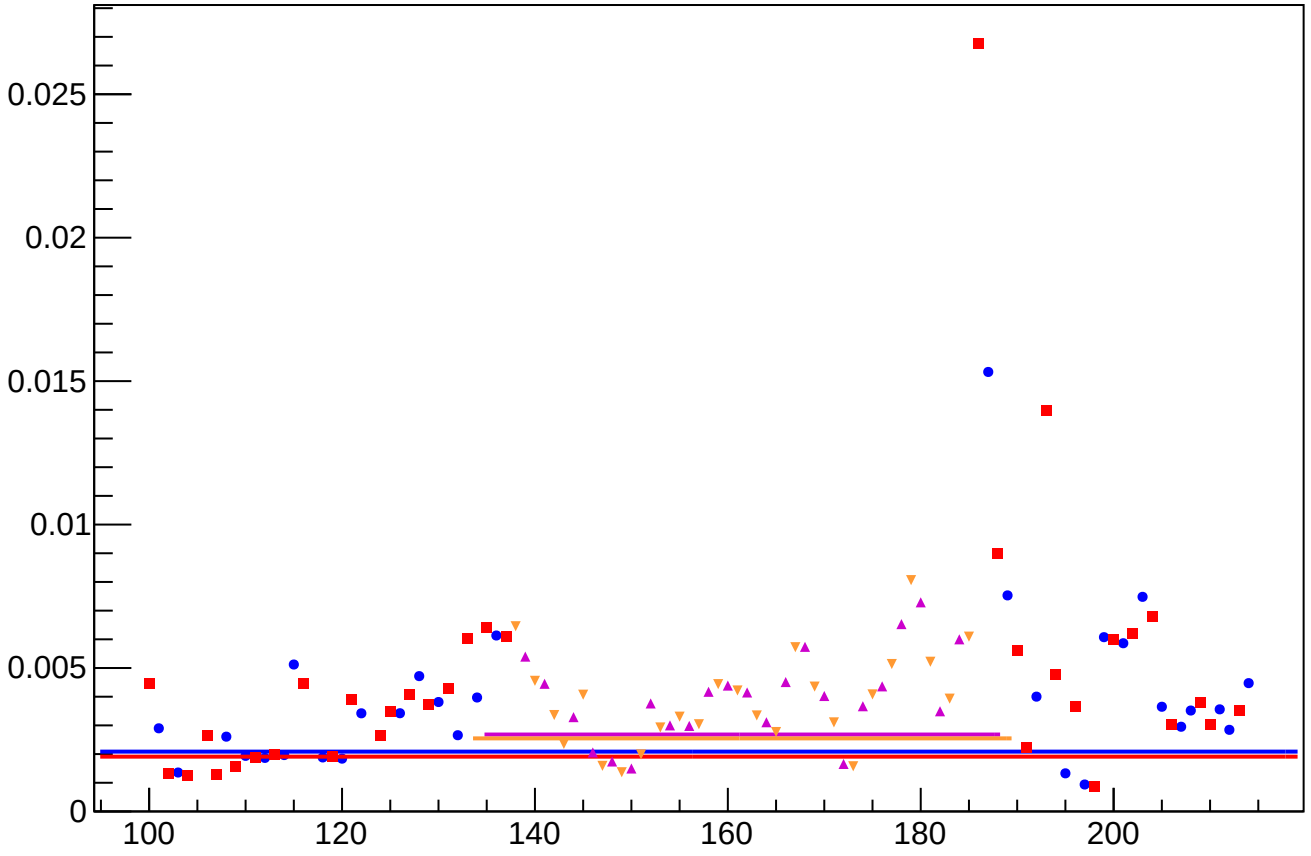
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.5/54

All: 0.000+/-0.000 χ^2/NDF: 215.3/111

- sign 0.000+/-0.000 χ^2/NDF: 116.7/56

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9587039.3/29

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

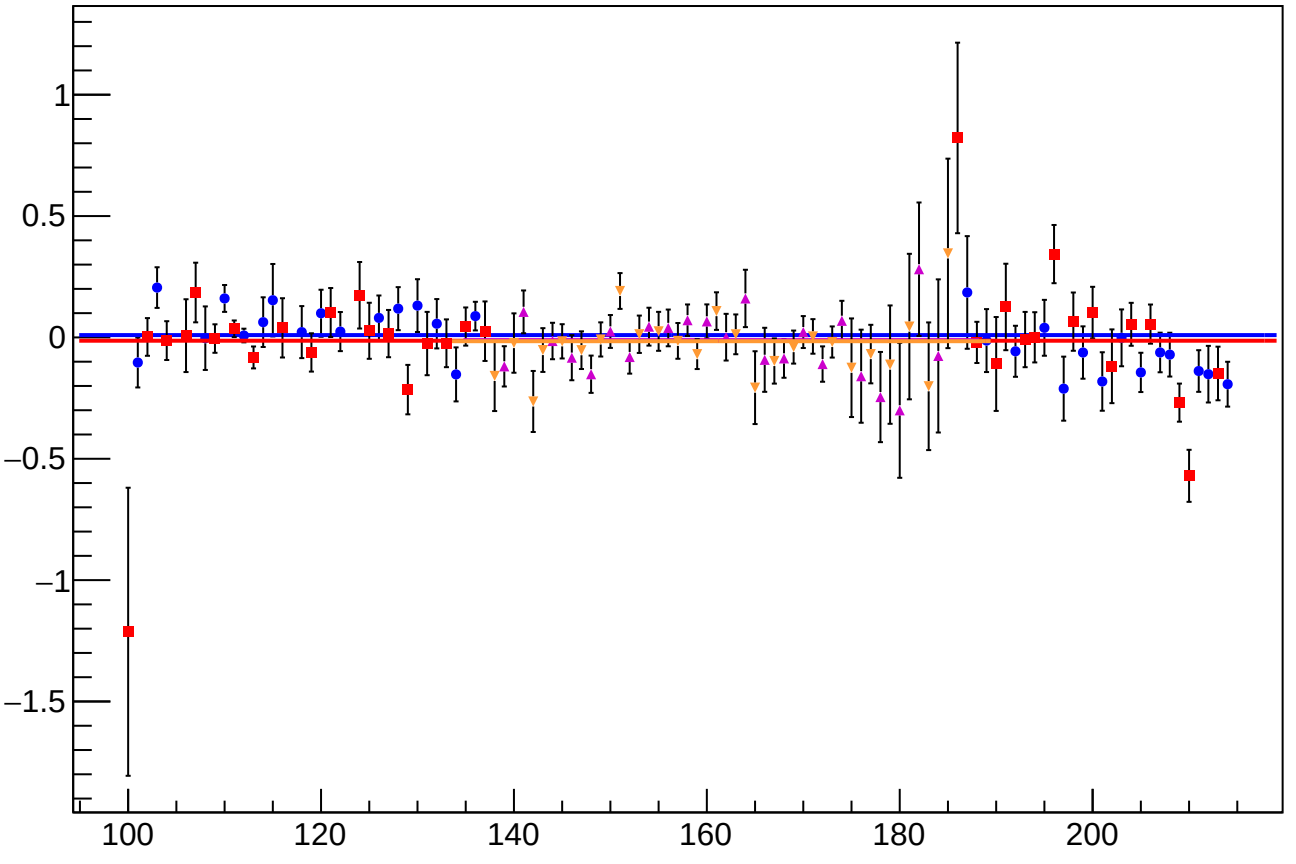
Right Out: 0.002+/-0.000 χ^2/NDF: 13120068.7/33

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 17634053.6/54

All: 0.002+/-0.000 χ^2/NDF: 38772134.2/111

- sign 0.002+/-0.000 χ^2/NDF: 21096665.4/56



Right In: 0.010+/-0.015 χ^2/NDF: 45.4/29

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

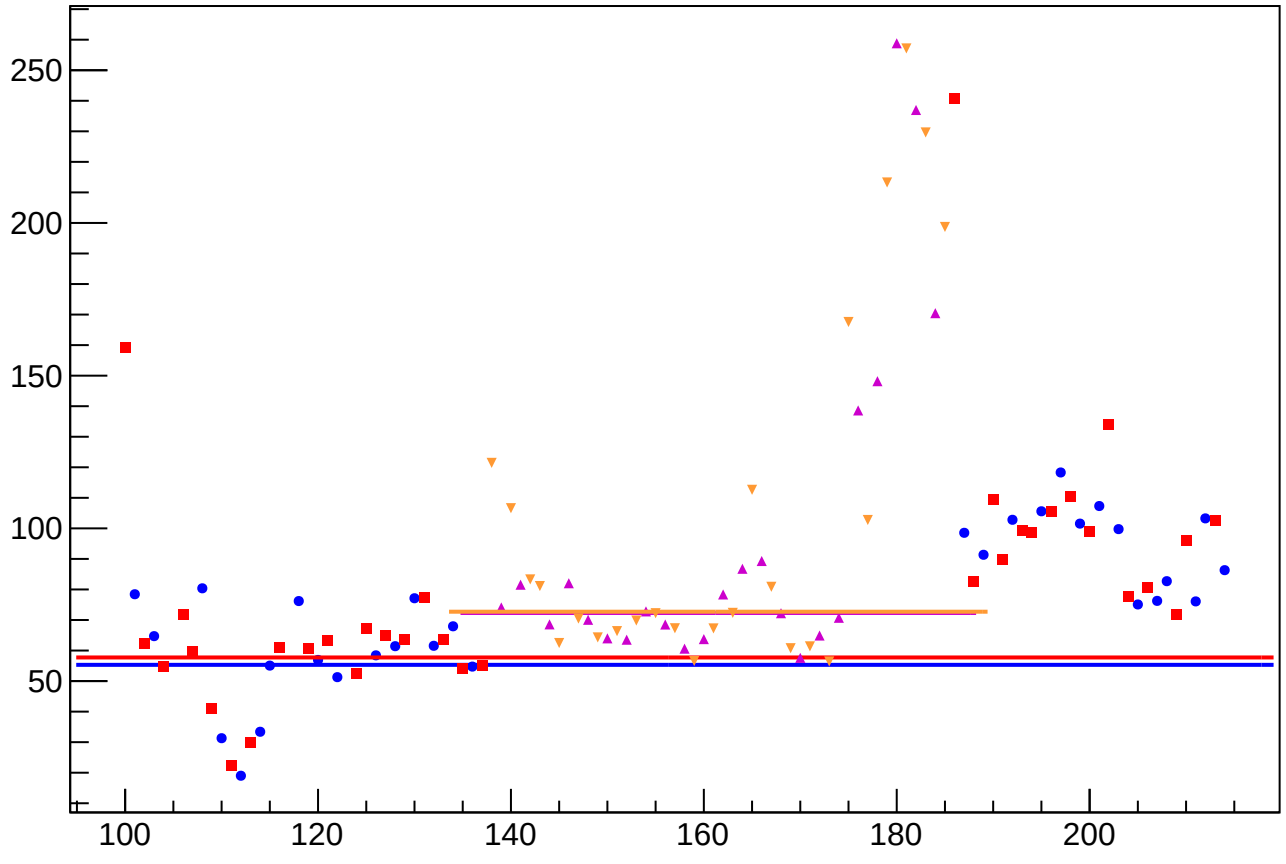
Right Out: -0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.001+/-0.012 χ^2/NDF: 68.1/54

All: -0.007+/-0.008 χ^2/NDF: 168.4/111

- sign -0.013+/-0.012 χ^2/NDF: 99.8/56



Right In: 55.316+/-0.011 χ^2/NDF: 7814549.3/29

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

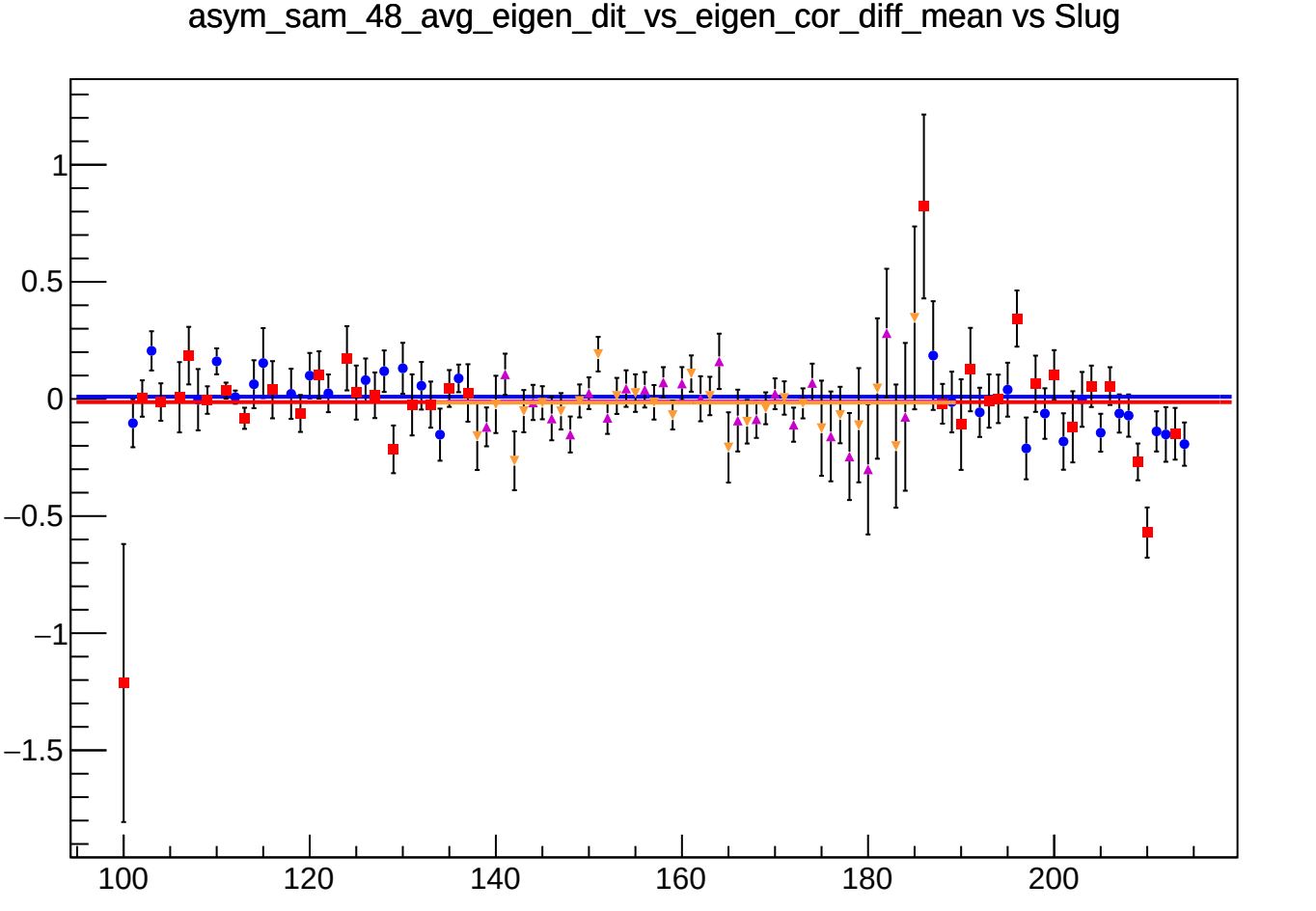
Right Out: 57.735+/-0.011 χ^2/NDF: 7066072.7/33

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 62.462+/-0.008 χ^2/NDF: 12881650.9/54

All: 63.056+/-0.006 χ^2/NDF: 23503283.1/111

- sign 63.664+/-0.008 χ^2/NDF: 10610859.6/56



Right In: 0.010+/-0.015 χ^2/NDF: 45.4/29

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

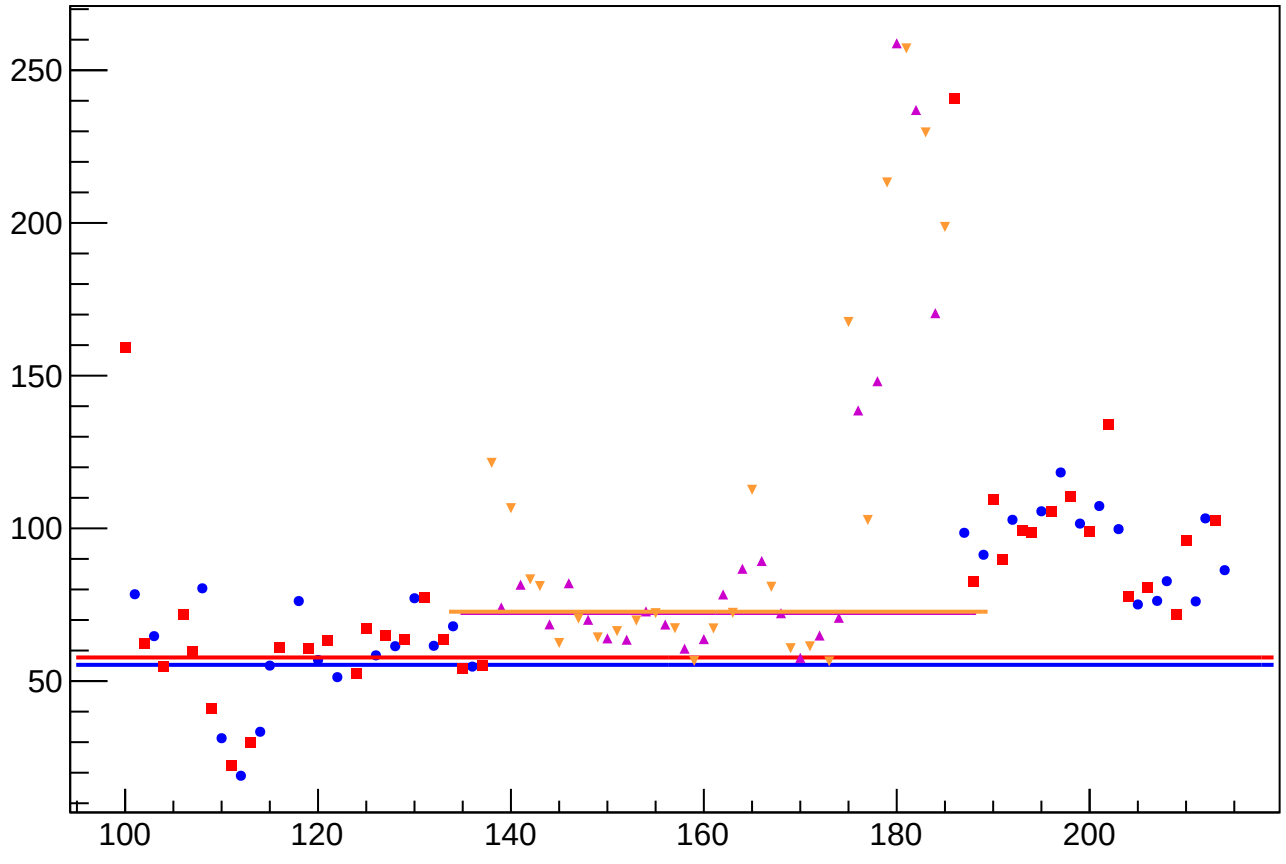
Right Out: -0.014+/-0.015 χ^2/NDF: 76.4/33

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.001+/-0.012 χ^2/NDF: 68.1/54

All: -0.007+/-0.008 χ^2/NDF: 168.4/111

- sign -0.013+/-0.012 χ^2/NDF: 99.8/56



Right In: 55.316+/-0.011 χ^2/NDF: 7814549.3/29

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

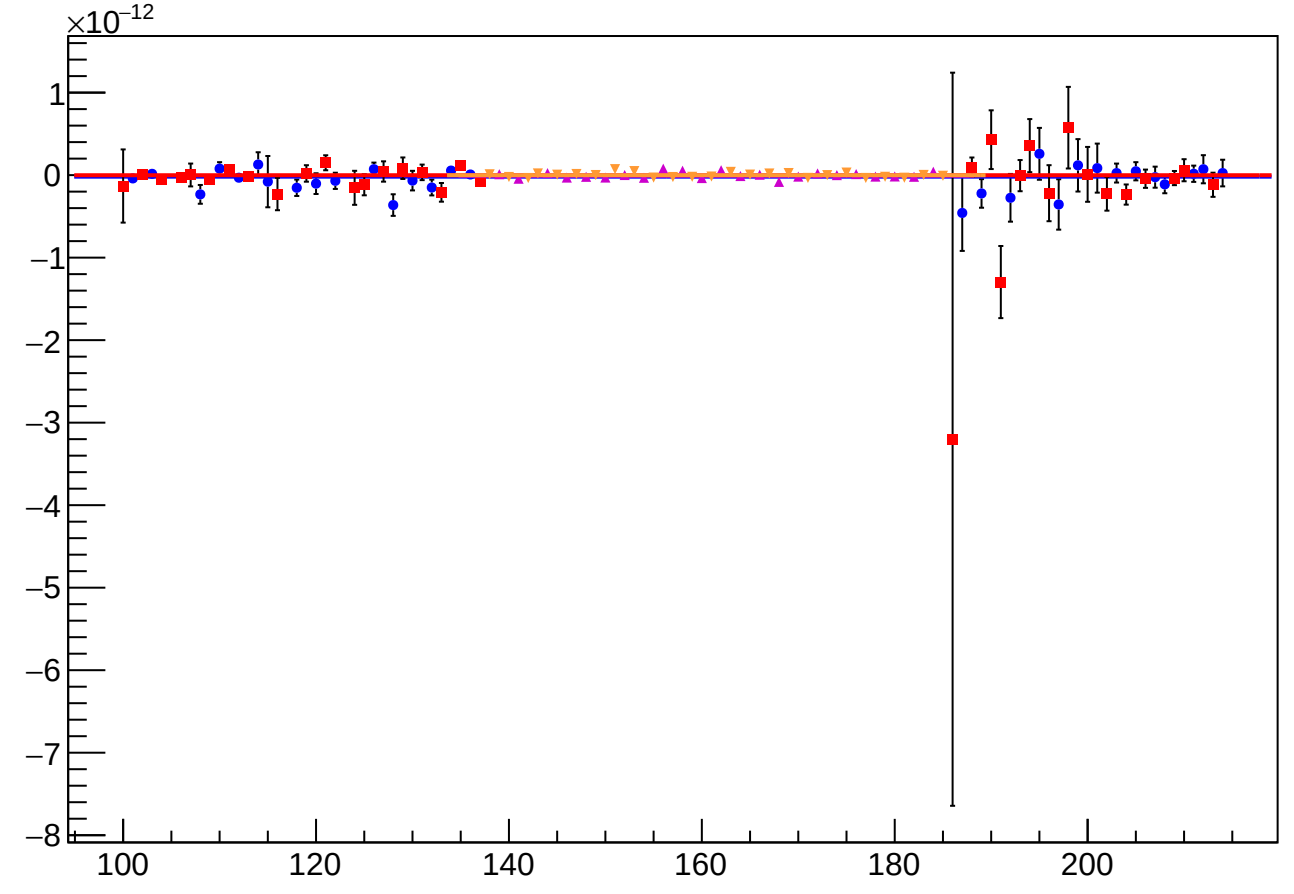
Right Out: 57.735+/-0.011 χ^2/NDF: 7066072.7/33

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 62.462+/-0.008 χ^2/NDF: 12881650.9/54

All: 63.056+/-0.006 χ^2/NDF: 23503283.1/111

- sign 63.664+/-0.008 χ^2/NDF: 10610859.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

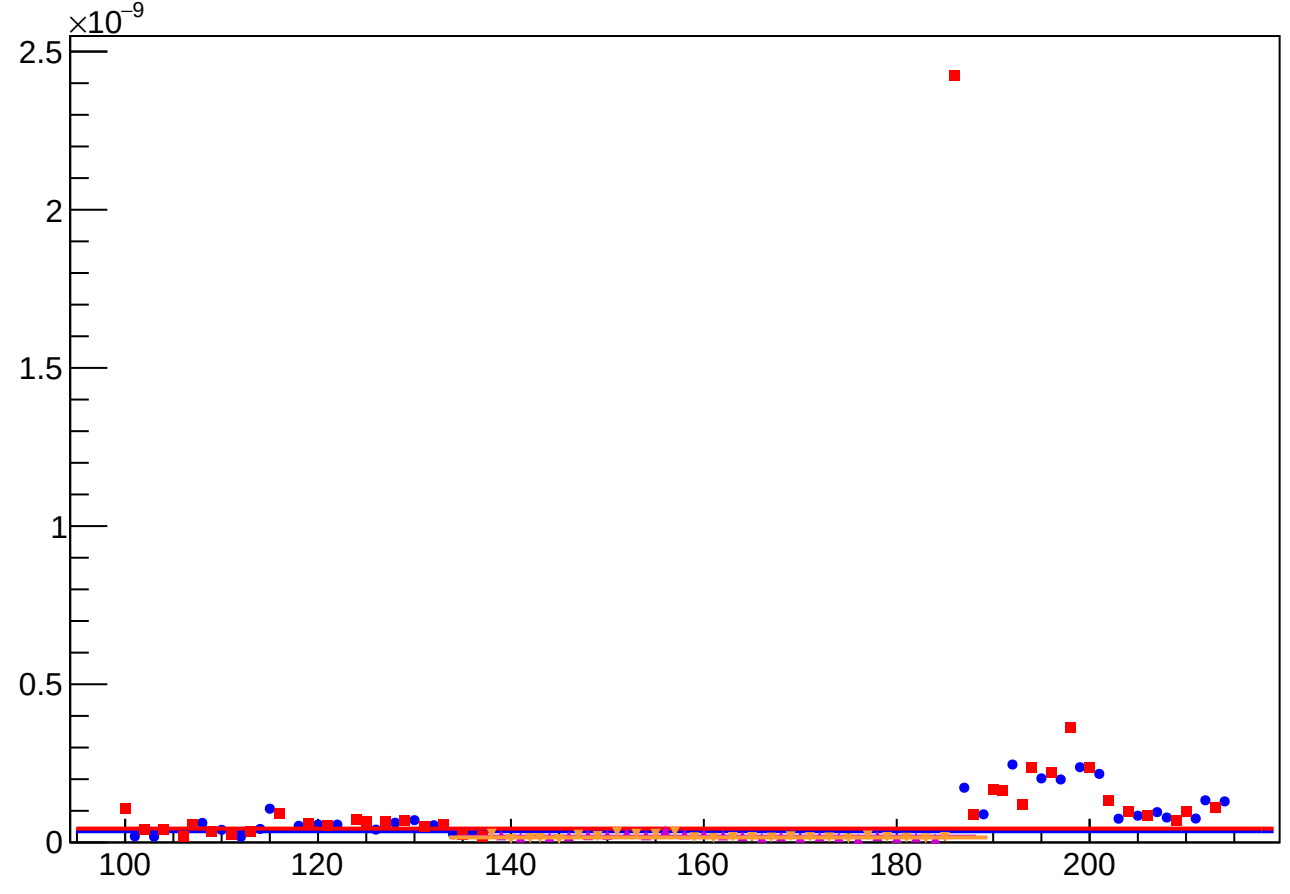
Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/33

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.5/54

All: -0.000+/-0.000 χ^2/NDF: 142.0/111

- sign -0.000+/-0.000 χ^2/NDF: 82.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 9610987.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8577754.2/33

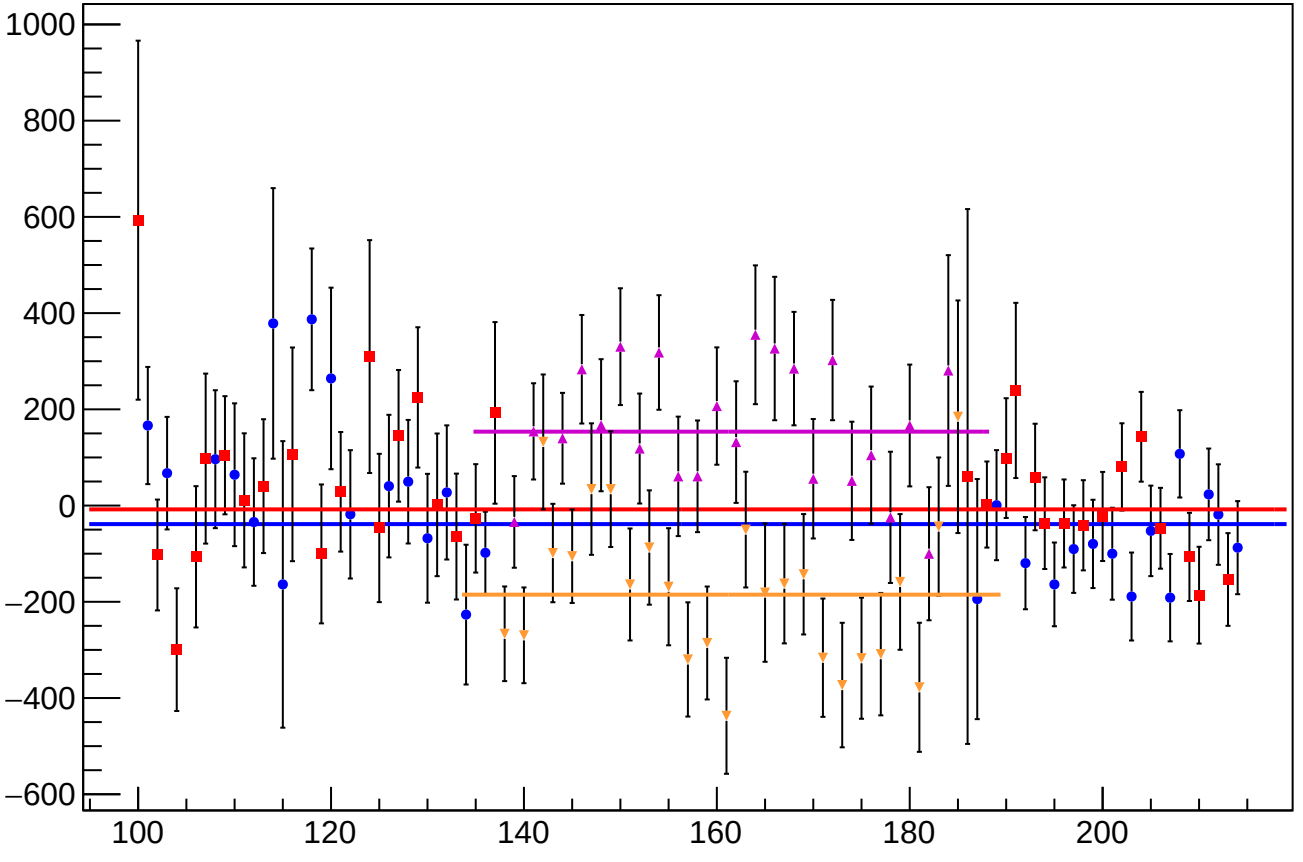
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15650672.9/54

All: 0.000+/-0.000 χ^2/NDF: 31139177.2/111

- sign 0.000+/-0.000 χ^2/NDF: 15098508.1/56

reg_asym_sam_15_dd_mean vs Slug



Right In: -38.530+/-20.807 χ^2/NDF: 34.6/29

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.914+/-20.569 χ^2/NDF: 31.7/33

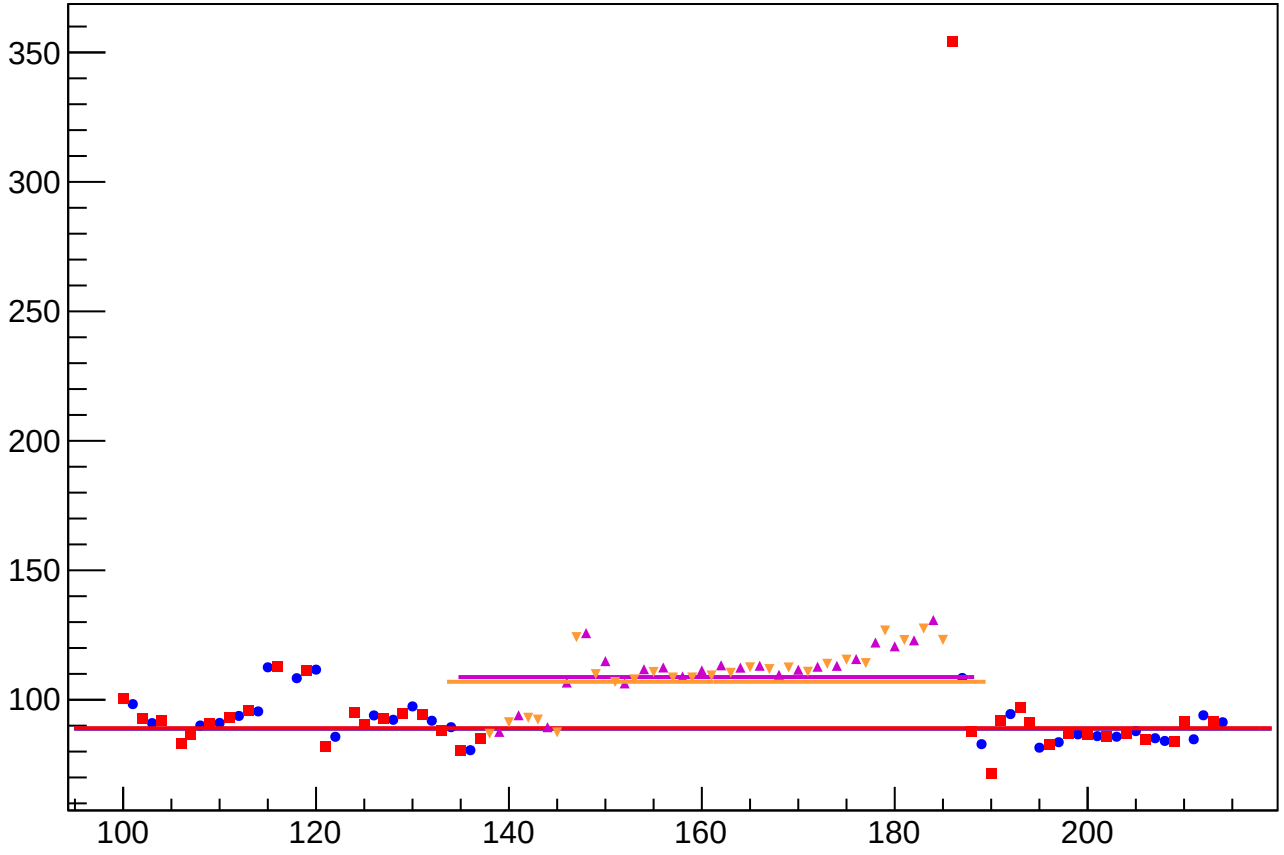
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -100.104+/-15.846 χ^2/NDF: 88.5/54

All: -23.073+/-11.266 χ^2/NDF: 215.8/111

- sign 55.645+/-16.019 χ^2/NDF: 79.4/56

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.843+/-0.015 χ^2/NDF: 196918.9/29

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.001+/-0.015 χ^2/NDF: 652376.4/33

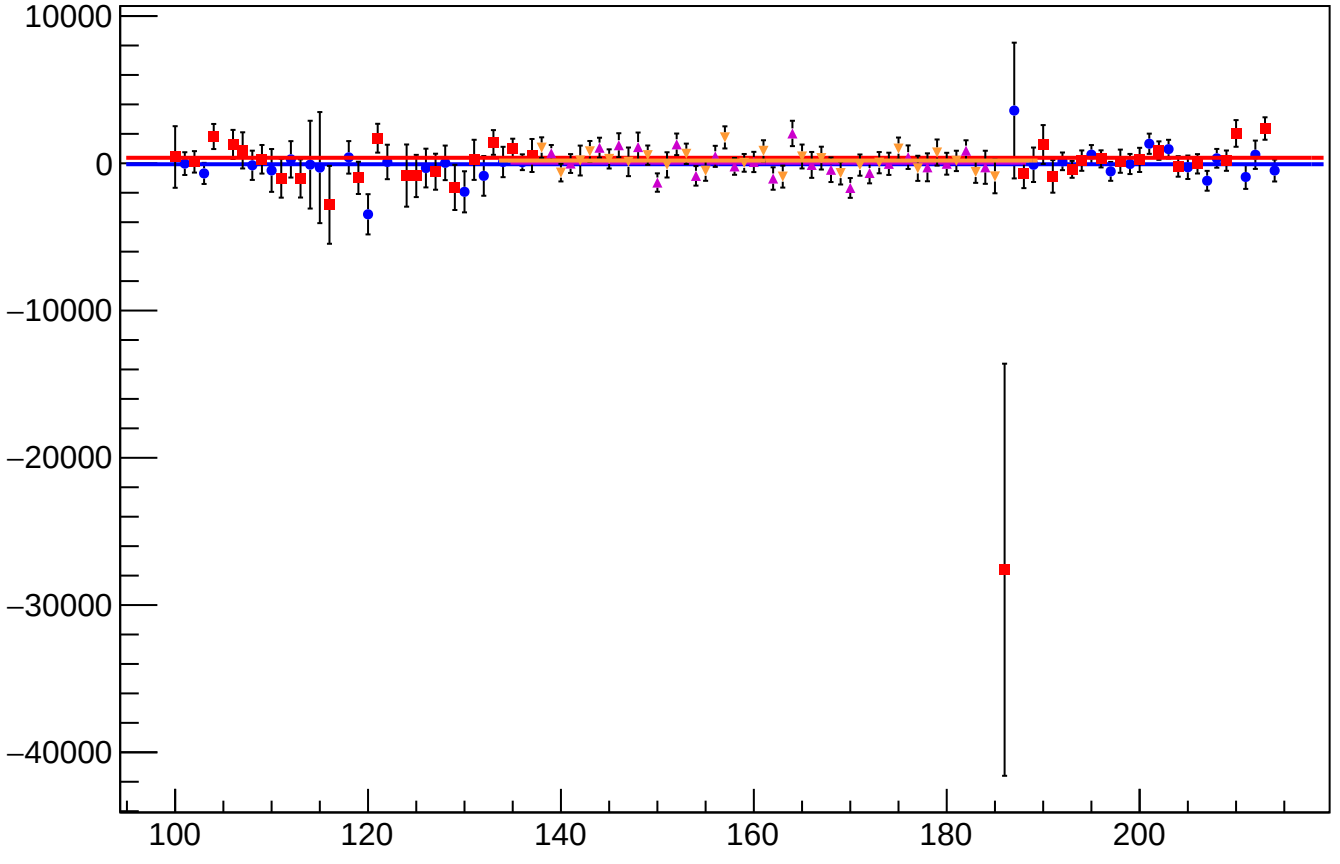
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 96.449+/-0.011 χ^2/NDF: 1297555.6/54

All: 96.614+/-0.008 χ^2/NDF: 3036525.3/111

- sign 96.783+/-0.011 χ^2/NDF: 1738530.4/56

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: -63.856+/-156.982 χ^2/NDF: 23.8/29

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 374.597+/-154.704 χ^2/NDF: 38.0/33

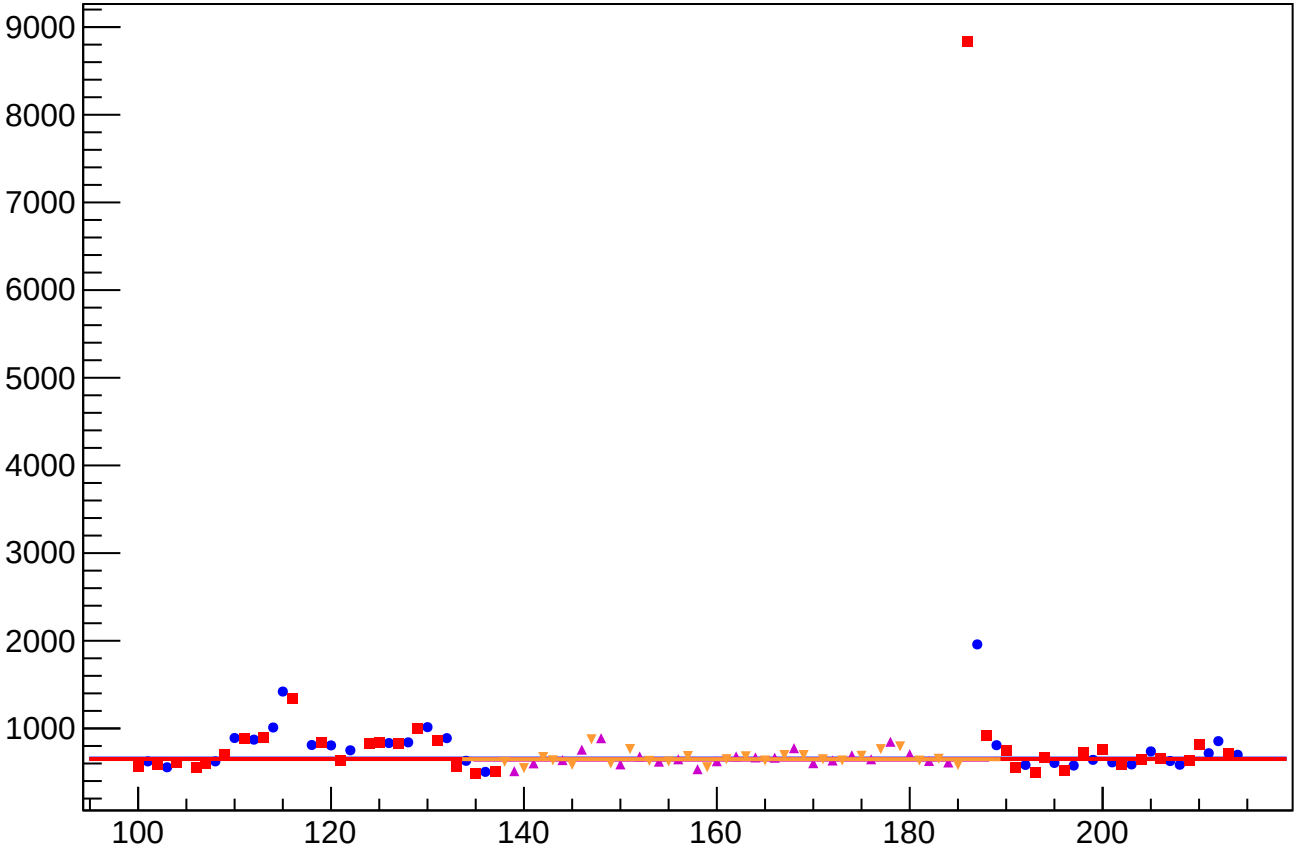
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

\+ sign 67.977+/-108.002 χ^2/NDF: 44.2/54

All: 136.739+/-76.525 χ^2/NDF: 119.1/111

\- sign 206.067+/-108.445 χ^2/NDF: 74.1/56

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 655.961+/-0.111 χ^2/NDF: 1232402.5/29

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 651.160+/-0.109 χ^2/NDF: 2054054.0/33

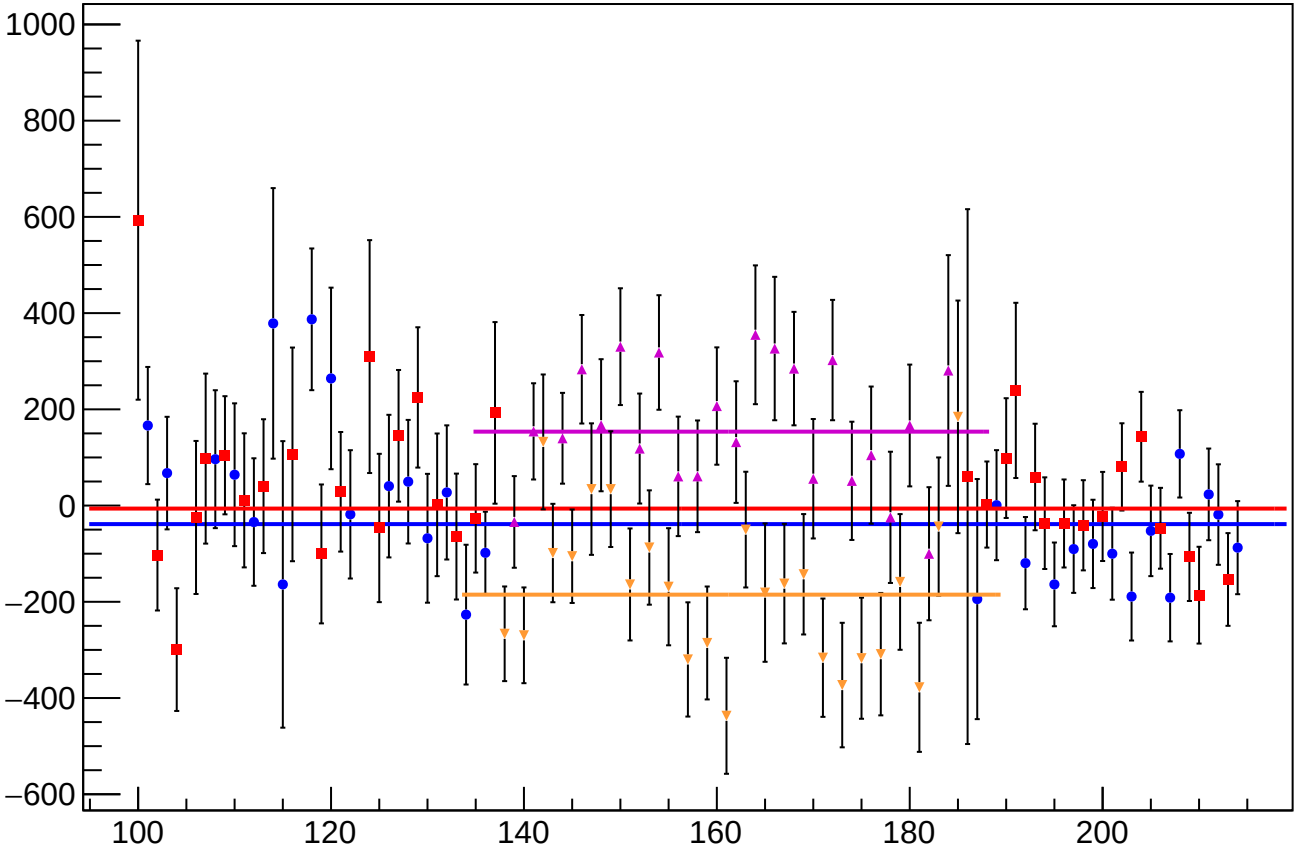
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 652.394+/-0.076 χ^2/NDF: 1652727.4/54

All: 649.985+/-0.054 χ^2/NDF: 4270036.1/11

- sign 647.555+/-0.077 χ^2/NDF: 2615309.1/56

cor_asym_sam_15_dd_mean vs Slug



Right In: -38.528+/-20.807 χ^2/NDF: 34.6/29

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.254+/-20.598 χ^2/NDF: 31.2/33

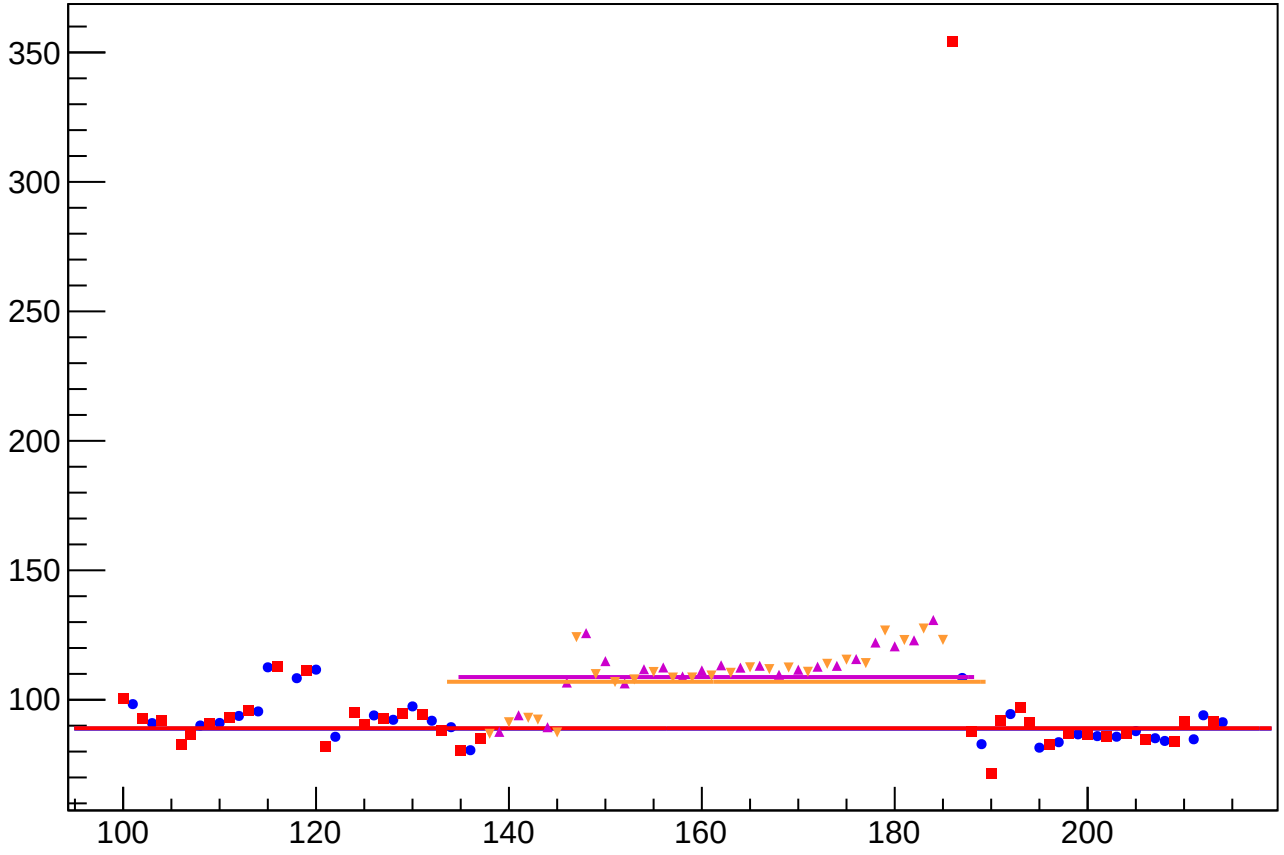
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -100.104+/-15.846 χ^2/NDF: 88.6/54

All: -22.588+/-11.271 χ^2/NDF: 215.5/111

- sign 56.765+/-16.033 χ^2/NDF: 78.5/56

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.843+/-0.015 χ^2/NDF: 196918.9/29

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.009+/-0.015 χ^2/NDF: 652440.6/33

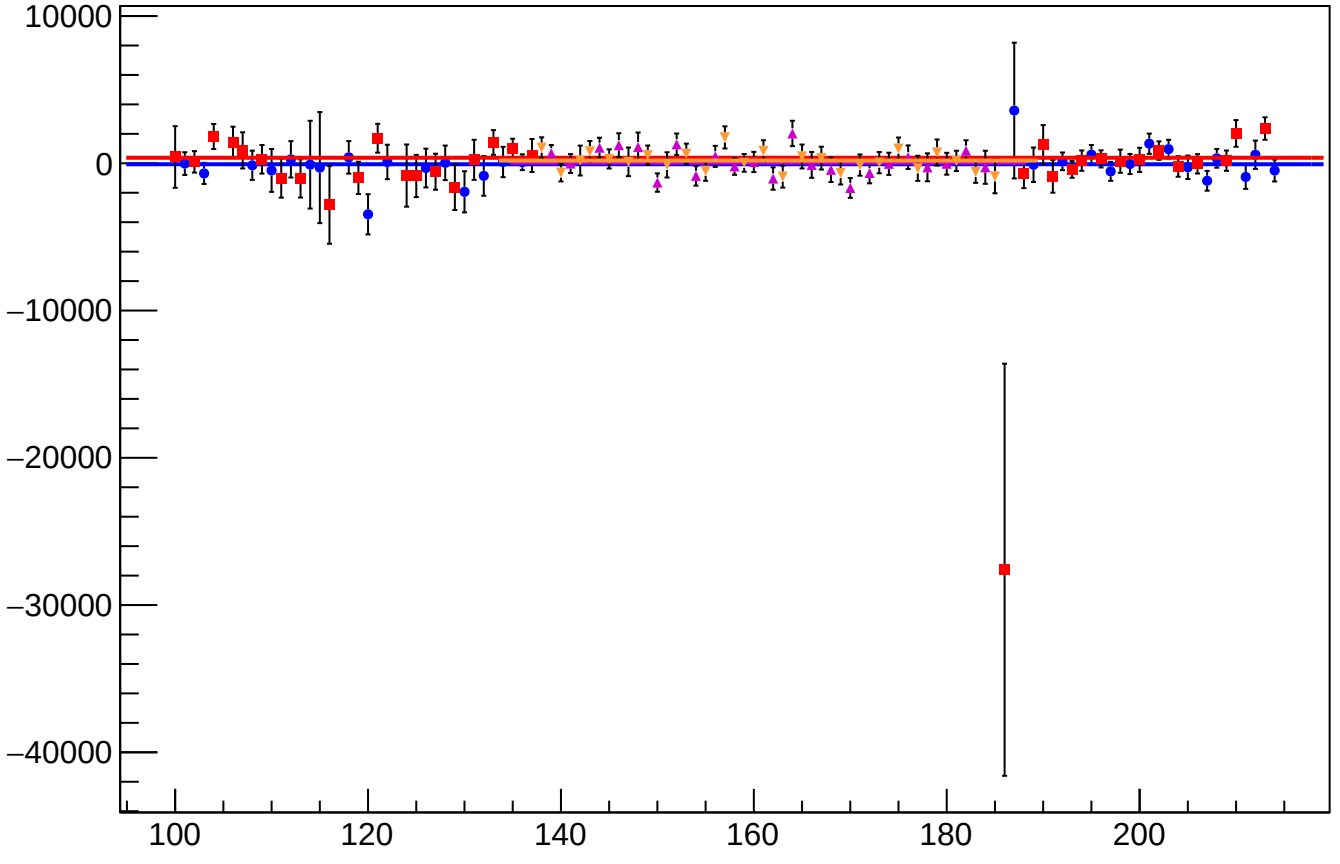
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 96.449+/-0.011 χ^2/NDF: 1297555.6/54

All: 96.623+/-0.008 χ^2/NDF: 3035235.7/111

\- sign 96.802+/-0.011 χ^2/NDF: 1737191.4/56

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: -63.857+/-156.982 χ^2/NDF: 23.8/29

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 375.838+/-154.902 χ^2/NDF: 38.2/33

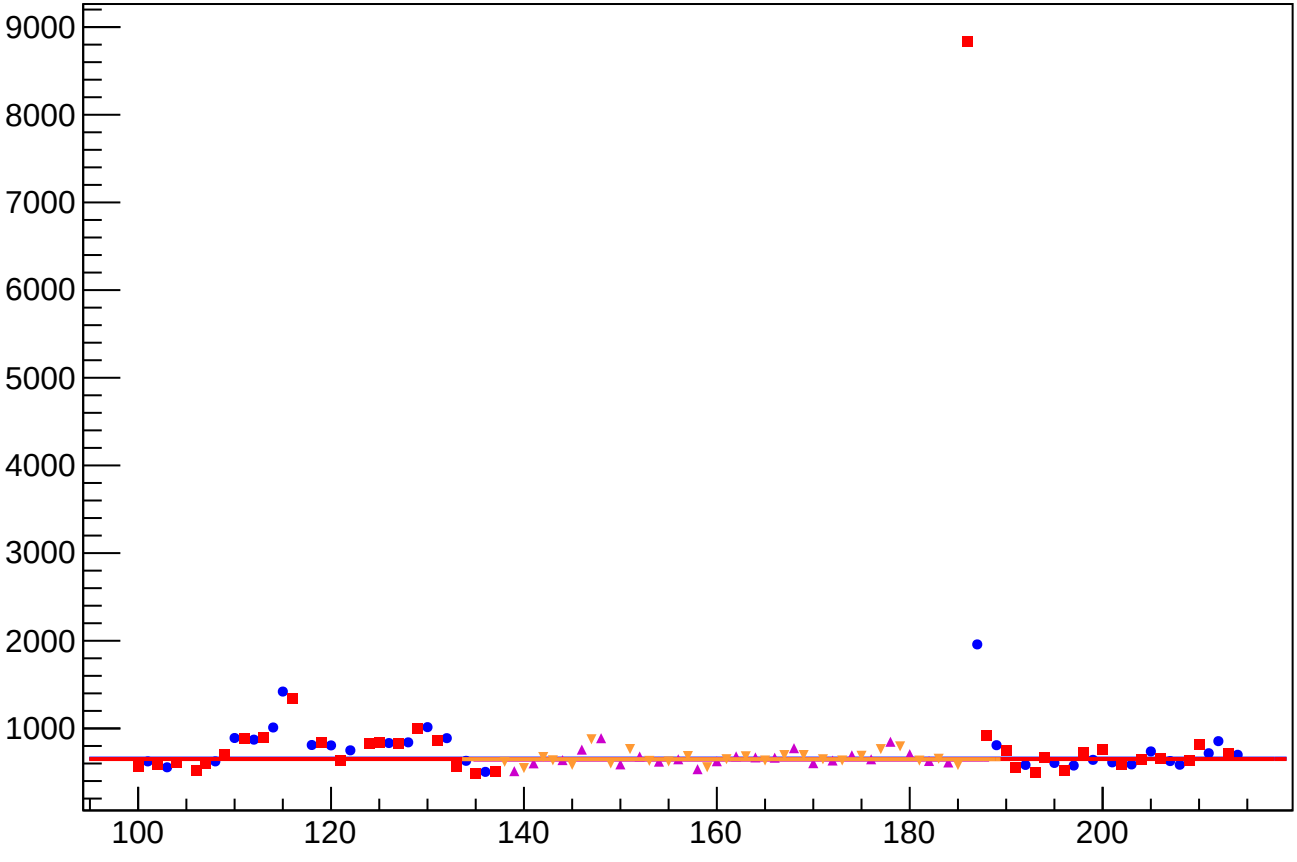
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.973+/-108.002 χ^2/NDF: 44.2/54

All: 136.891+/-76.549 χ^2/NDF: 119.3/111

- sign 206.465+/-108.513 χ^2/NDF: 74.3/56

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 655.961+/-0.111 χ^2/NDF: 1232402.4/29

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF: 2063626.8/33

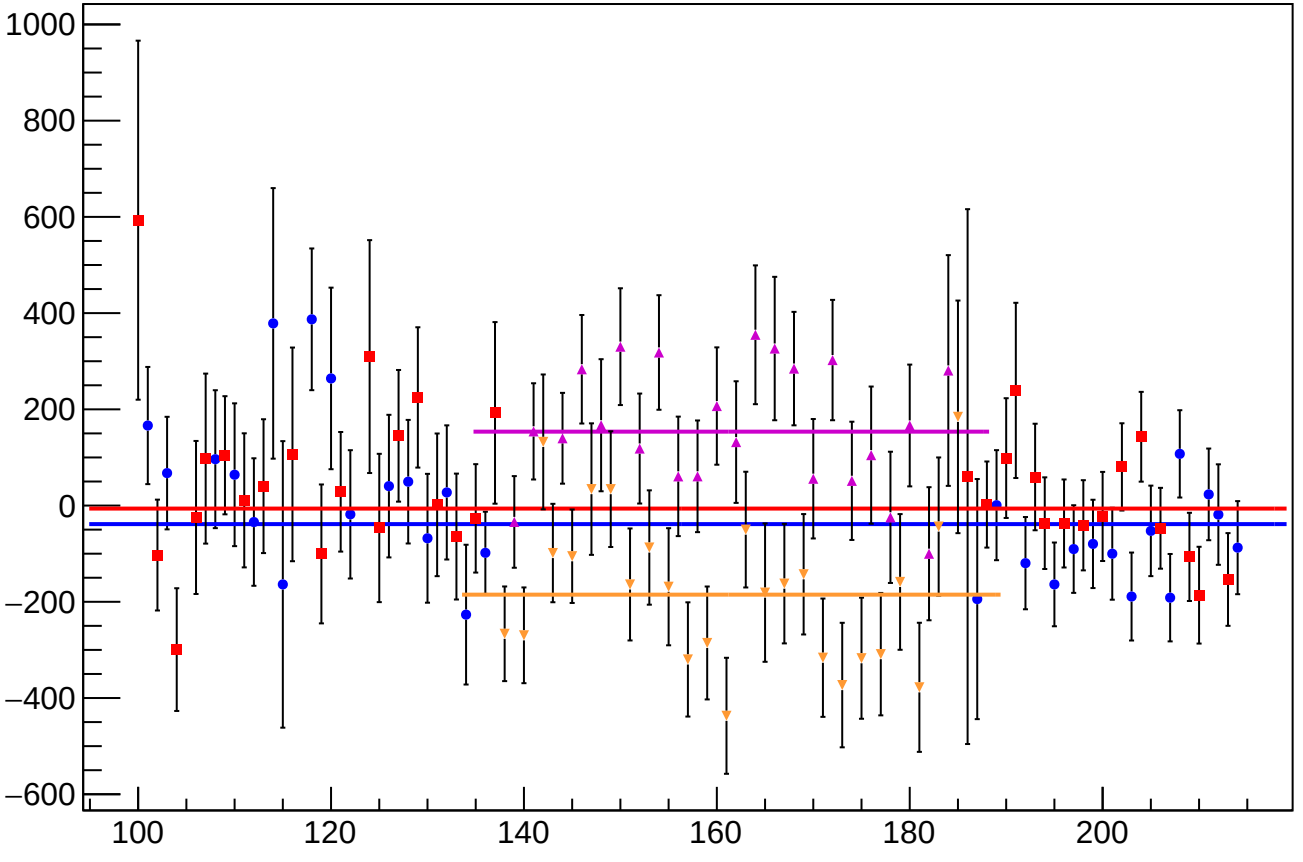
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 652.394+/-0.076 χ^2/NDF: 1652728.0/54

All: 649.897+/-0.054 χ^2/NDF: 4279548.4/11

- sign 647.376+/-0.077 χ^2/NDF: 2624671.2/56

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -38.528+/-20.807 χ^2/NDF: 34.6/29

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.254+/-20.598 χ^2/NDF: 31.2/33

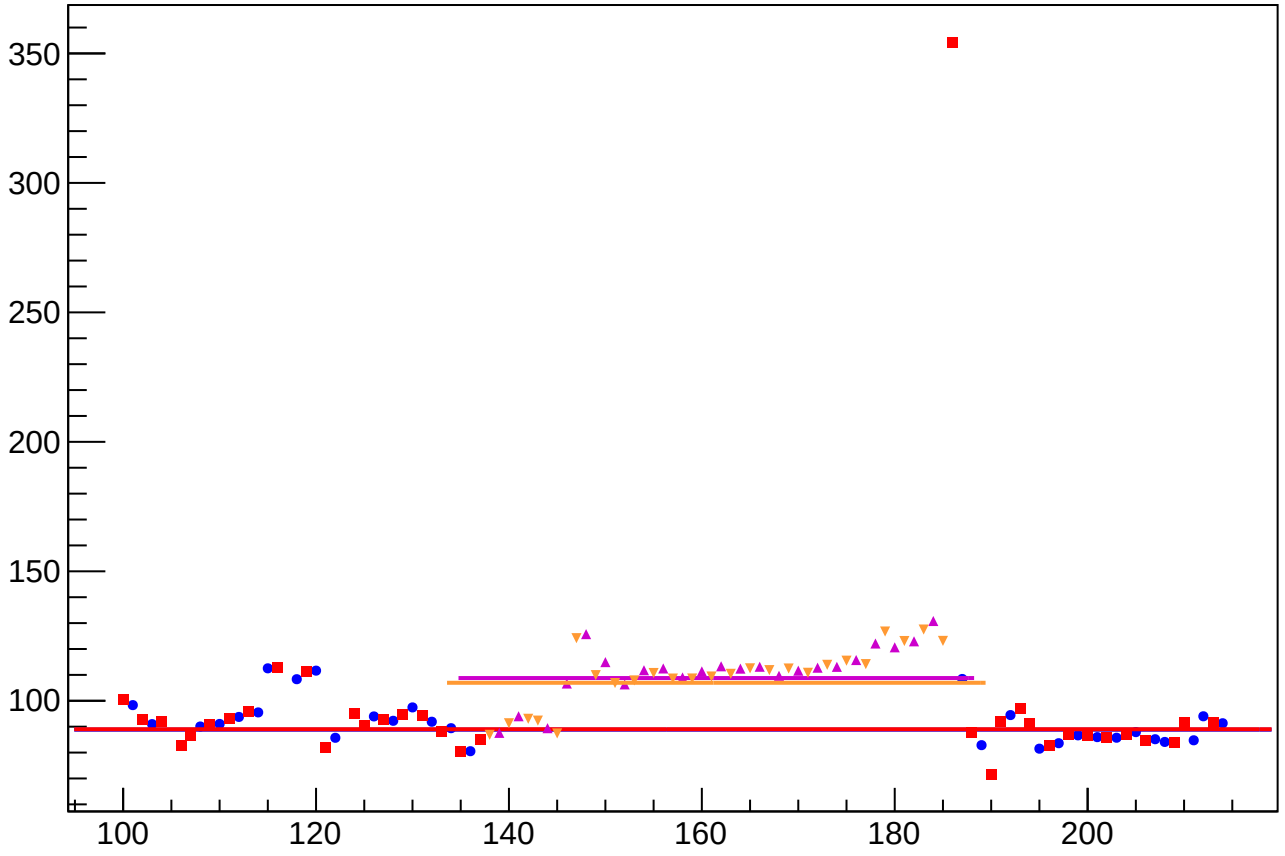
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -100.104+/-15.846 χ^2/NDF: 88.6/54

All: -22.588+/-11.271 χ^2/NDF: 215.5/111

- sign 56.765+/-16.033 χ^2/NDF: 78.5/56

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.843+/-0.015 χ^2/NDF: 196918.9/29

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

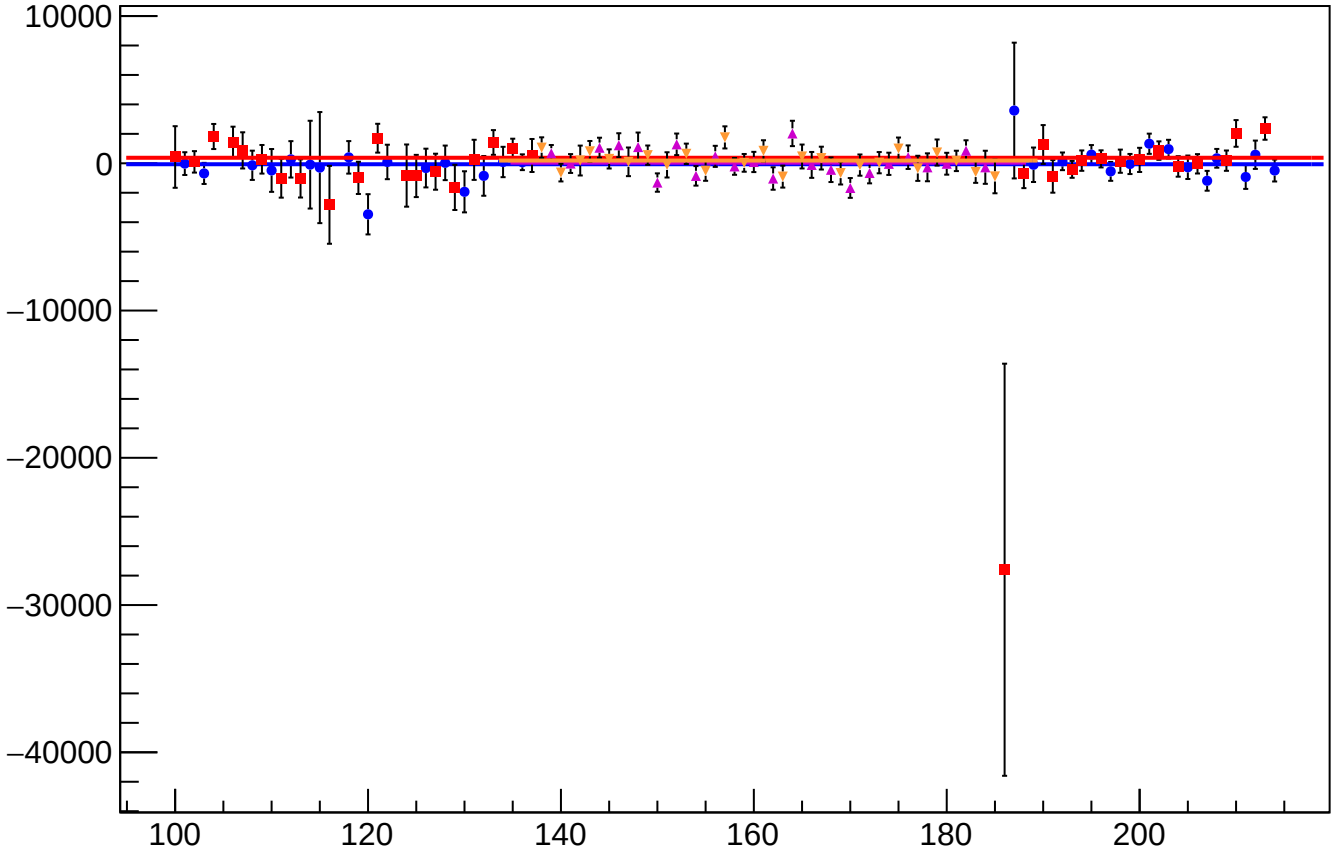
Right Out: 89.009+/-0.015 χ^2/NDF: 652440.6/33

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 96.449+/-0.011 χ^2/NDF: 1297555.6/54

All: 96.623+/-0.008 χ^2/NDF: 3035235.7/111

\- sign 96.802+/-0.011 χ^2/NDF: 1737191.4/56



Right In: -63.857+/-156.982 χ^2/NDF: 23.8/29

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 375.838+/-154.902 χ^2/NDF: 38.2/33

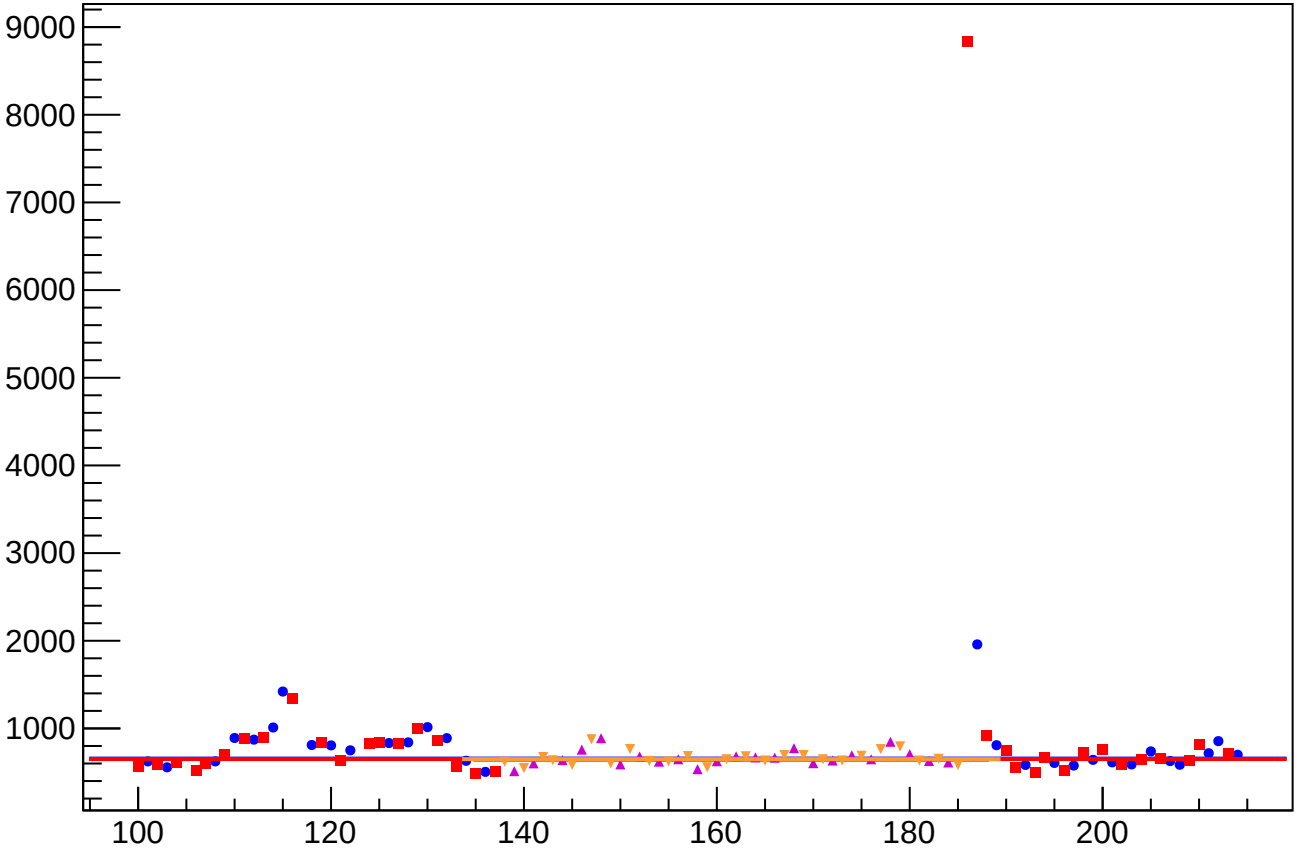
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 67.973+/-108.002 χ^2/NDF: 44.2/54

All: 136.891+/-76.549 χ^2/NDF: 119.3/111

- sign 206.465+/-108.513 χ^2/NDF: 74.3/56

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 655.961+/-0.111 χ^2/NDF: 1232402.4/29

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 650.804+/-0.110 χ^2/NDF: 2063626.8/33

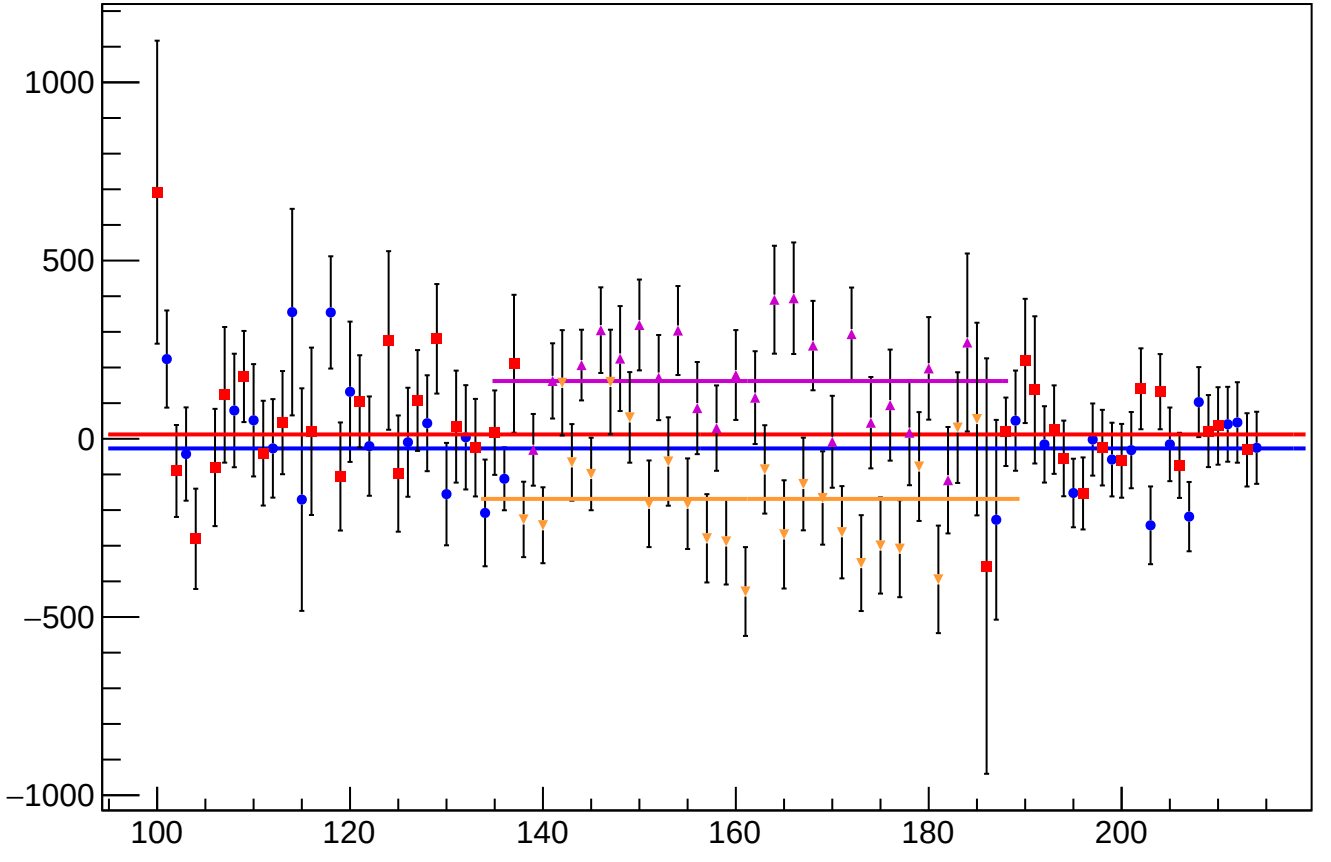
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 652.394+/-0.076 χ^2/NDF: 1652728.0/54

All: 649.897+/-0.054 χ^2/NDF: 4279548.4/11

- sign 647.376+/-0.077 χ^2/NDF: 2624671.2/56

dit_asym_sam_15_dd_mean vs Slug



Right In: -27.067+/-22.695 χ^2/NDF: 29.2/29

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.208+/-22.582 χ^2/NDF: 26.9/33

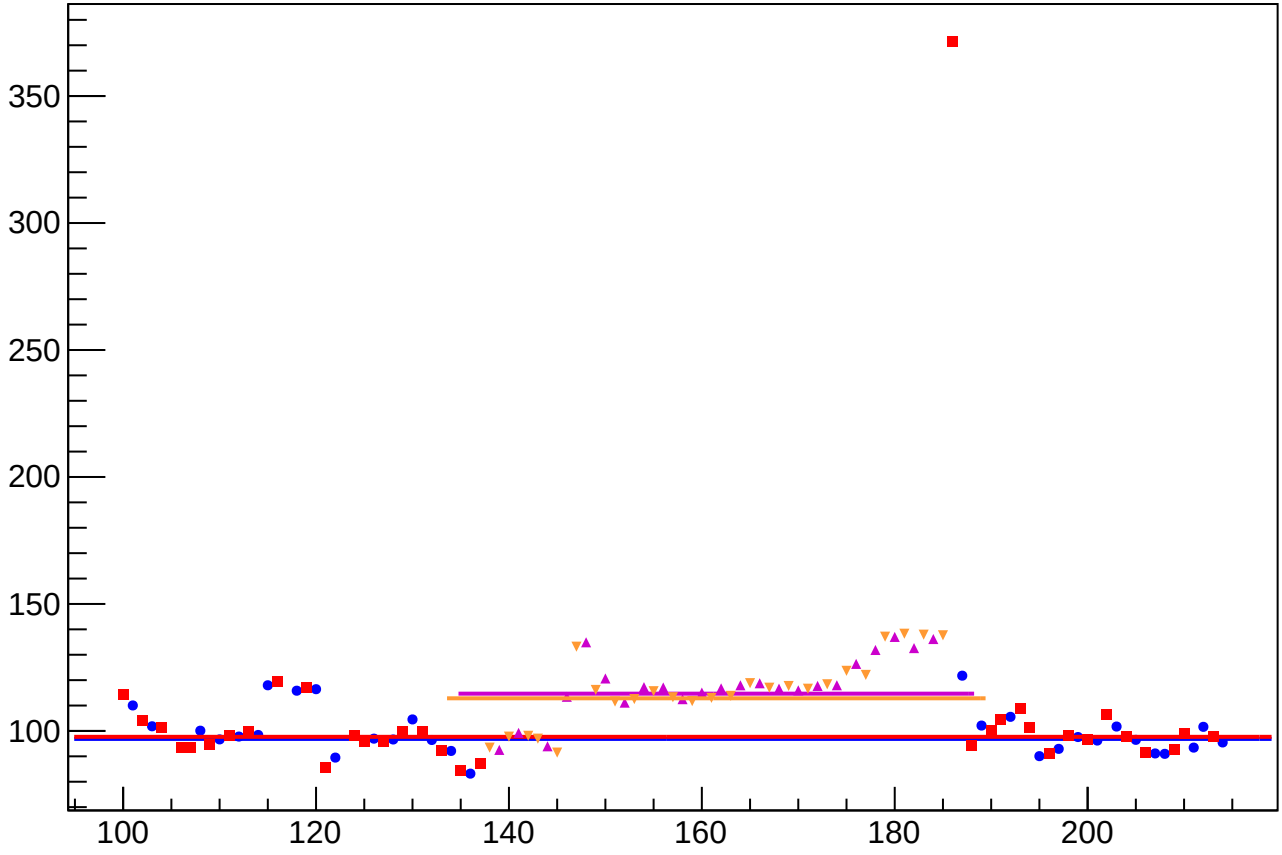
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -88.771+/-17.046 χ^2/NDF: 78.5/54

All: -8.621+/-12.145 χ^2/NDF: 192.0/111

- sign 74.013+/-17.308 χ^2/NDF: 68.6/56

dit_asym_sam_15_dd_rms vs Slug



Right In: 96.858+/-0.016 χ^2/NDF: 210898.8/29

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.679+/-0.016 χ^2/NDF: 615349.5/33

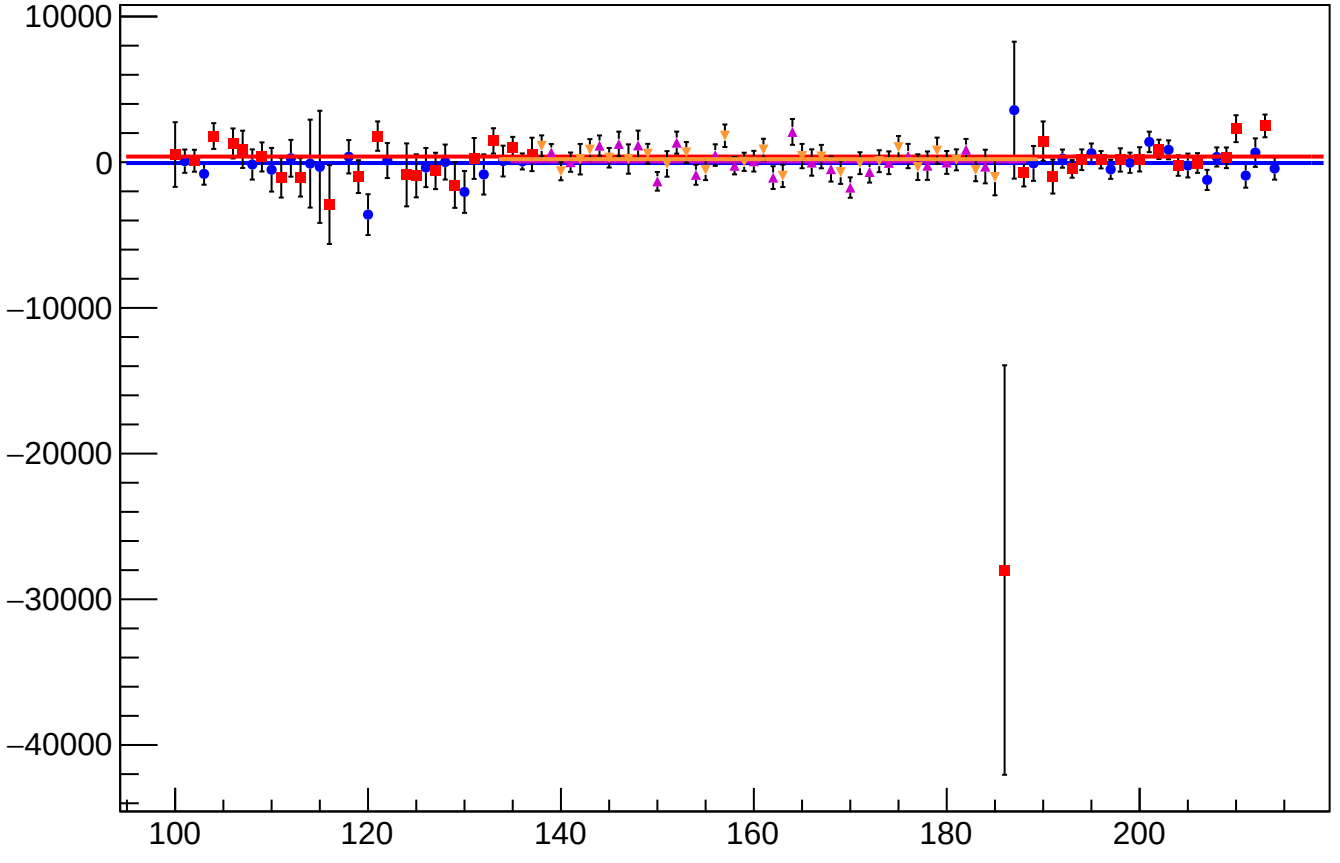
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 103.828+/-0.012 χ^2/NDF: 1155972.3/54

All: 104.253+/-0.009 χ^2/NDF: 2651249.6/111

- sign 104.691+/-0.012 χ^2/NDF: 1492751.3/56

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: -55.973+/-161.341 χ^2/NDF: 23.7/29

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 386.935+/-159.456 χ^2/NDF: 39.5/33

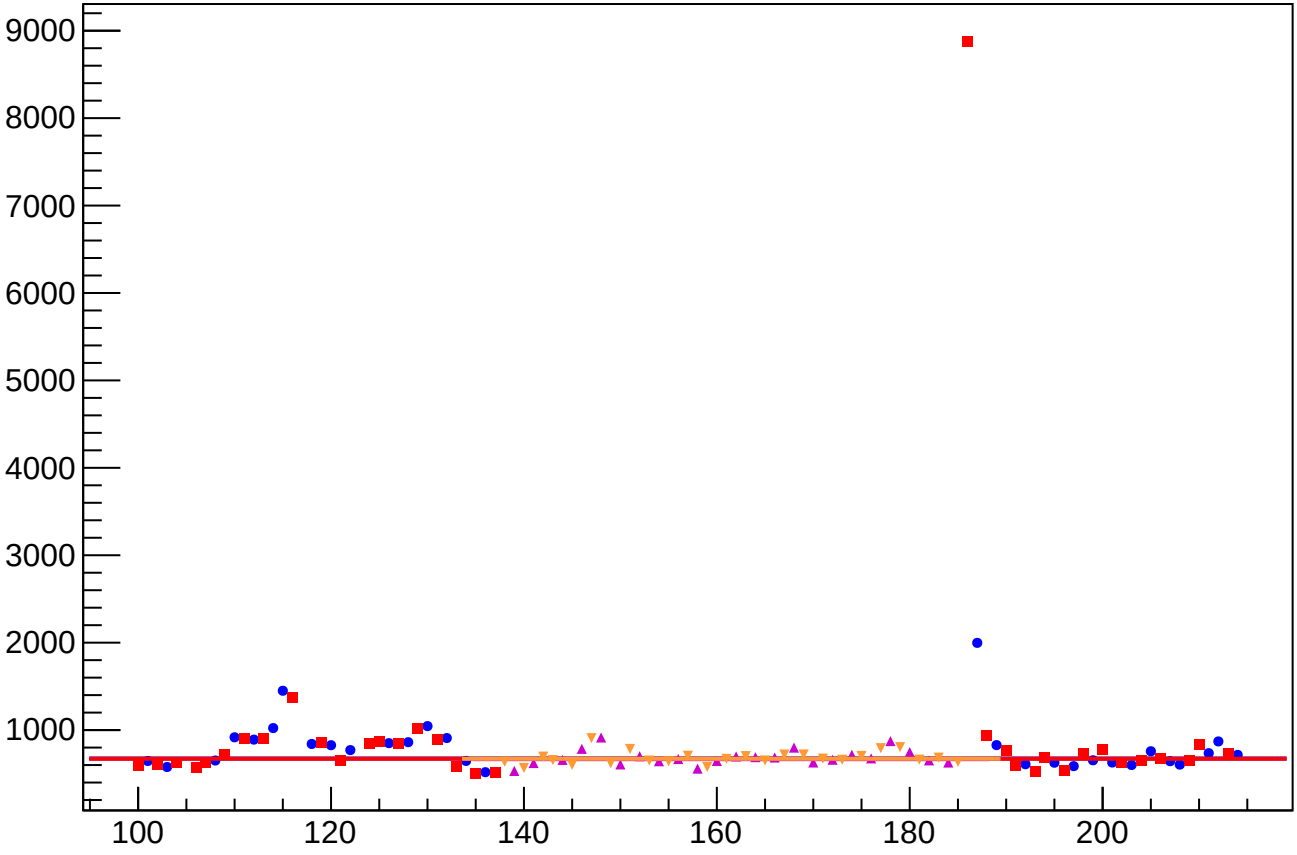
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 82.939+/-111.371 χ^2/NDF: 44.0/54

All: 149.318+/-78.990 χ^2/NDF: 119.8/111

- sign 216.507+/-112.049 χ^2/NDF: 75.1/56

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 674.635+/-0.114 χ^2/NDF: 1210841.6/29

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 672.251+/-0.113 χ^2/NDF: 1967444.4/33

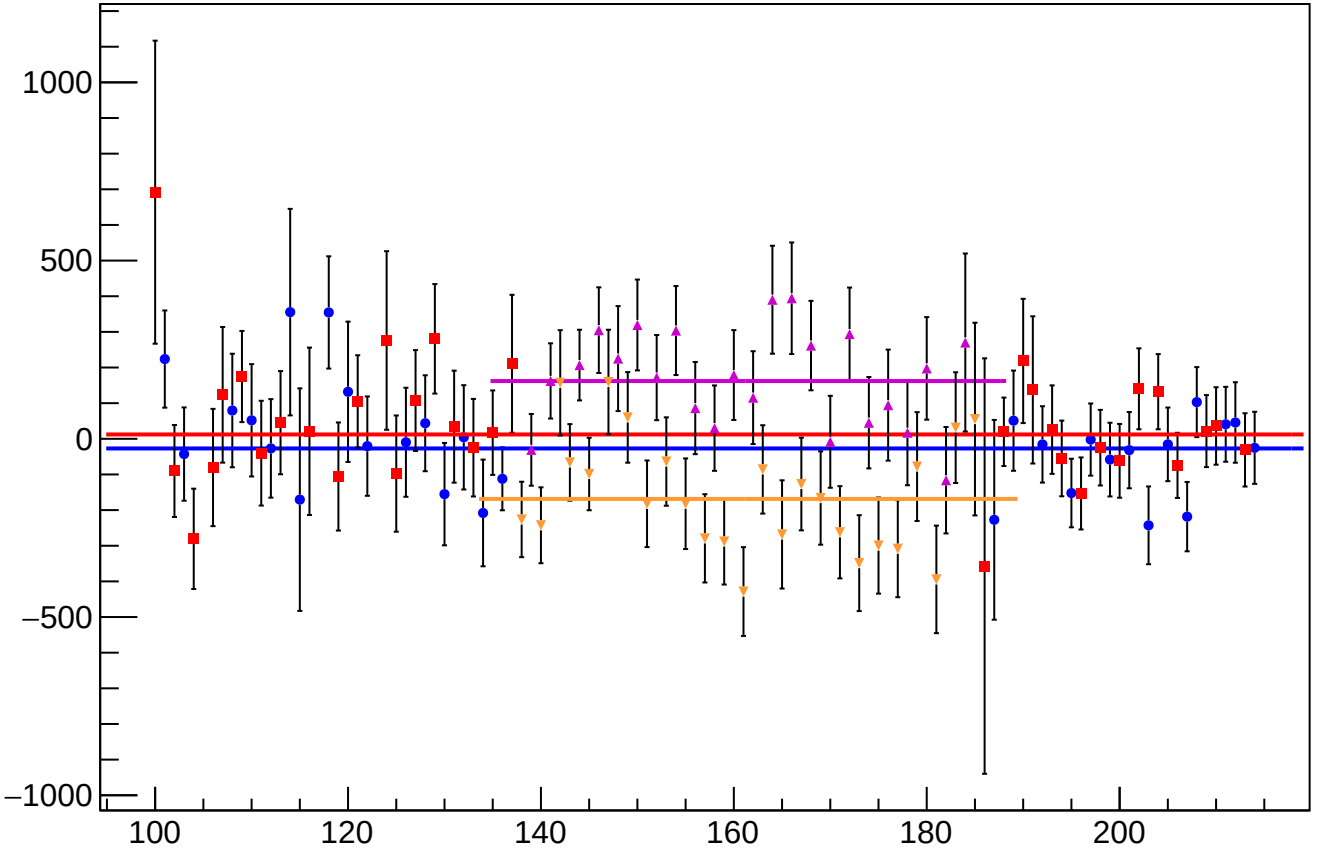
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 673.176+/-0.079 χ^2/NDF: 1610313.7/54

All: 671.481+/-0.056 χ^2/NDF: 4126553.6/11

- sign 669.766+/-0.079 χ^2/NDF: 2515307.9/56

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -27.067+/-22.695 χ^2/NDF: 29.2/29

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.208+/-22.582 χ^2/NDF: 26.9/33

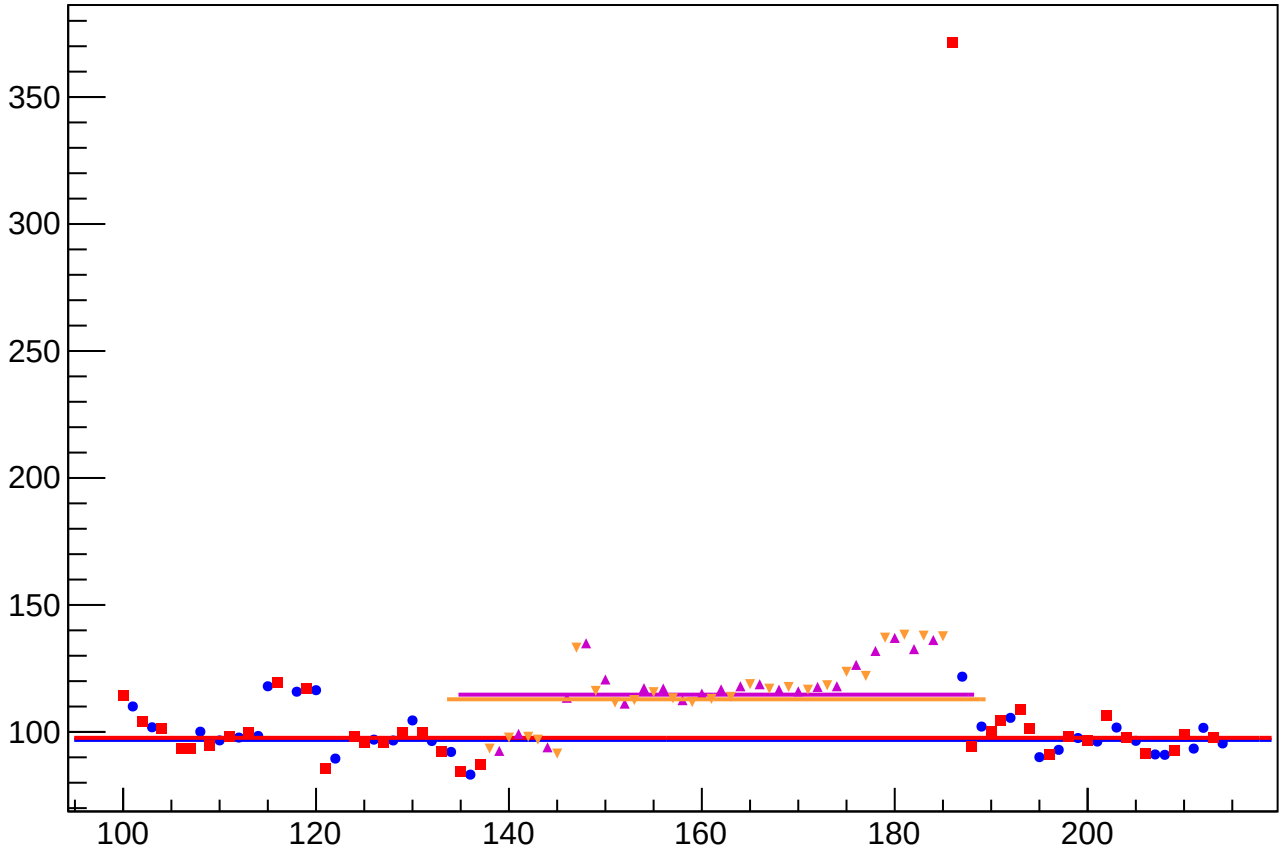
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -88.771+/-17.046 χ^2/NDF: 78.5/54

All: -8.621+/-12.145 χ^2/NDF: 192.0/111

- sign 74.013+/-17.308 χ^2/NDF: 68.6/56

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 96.858+/-0.016 χ^2/NDF: 210902.7/29

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

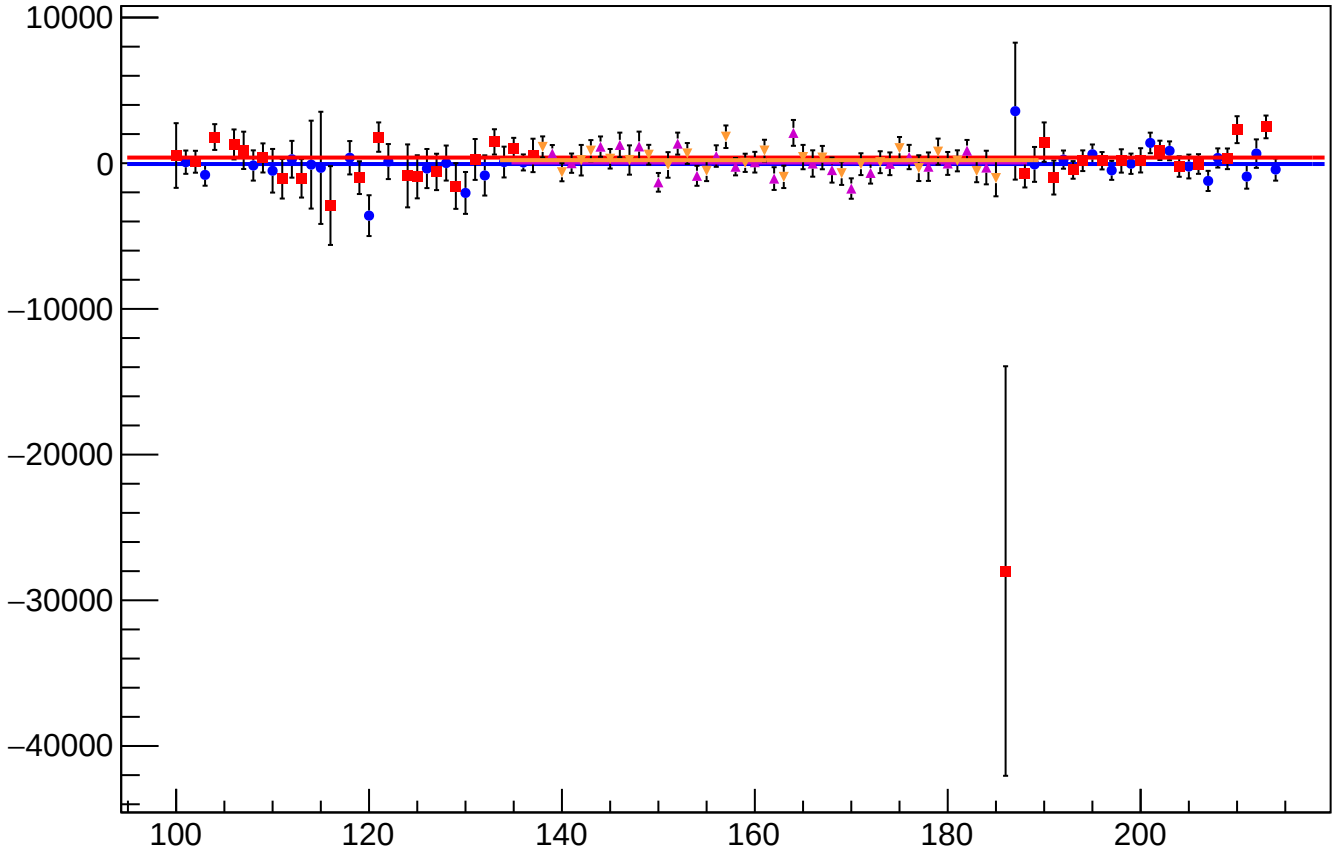
Right Out: 97.679+/-0.016 χ^2/NDF: 615351.0/33

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 103.828+/-0.012 χ^2/NDF: 1155980.9/54

All: 104.253+/-0.009 χ^2/NDF: 2651270.3/111

- sign 104.691+/-0.012 χ^2/NDF: 1492763.3/56



Right In: -55.974+/-161.341 χ^2/NDF: 23.7/29

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 386.935+/-159.456 χ^2/NDF: 39.5/33

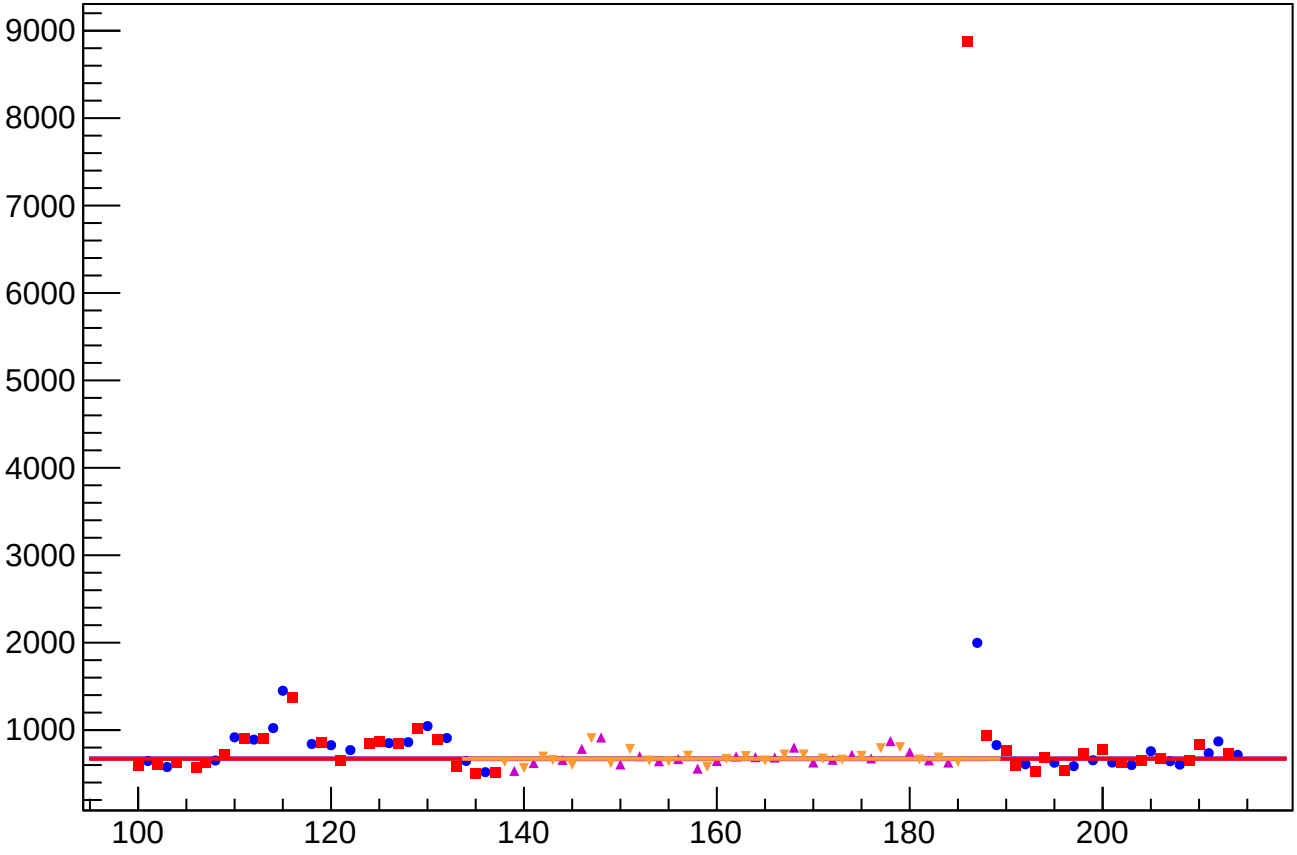
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 82.939+/-111.371 χ^2/NDF: 44.0/54

All: 149.318+/-78.990 χ^2/NDF: 119.8/111

- sign 216.508+/-112.049 χ^2/NDF: 75.1/56

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 674.634+/-0.114 χ^2/NDF: 1210841.5/29

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 672.251+/-0.113 χ^2/NDF: 1967448.8/33

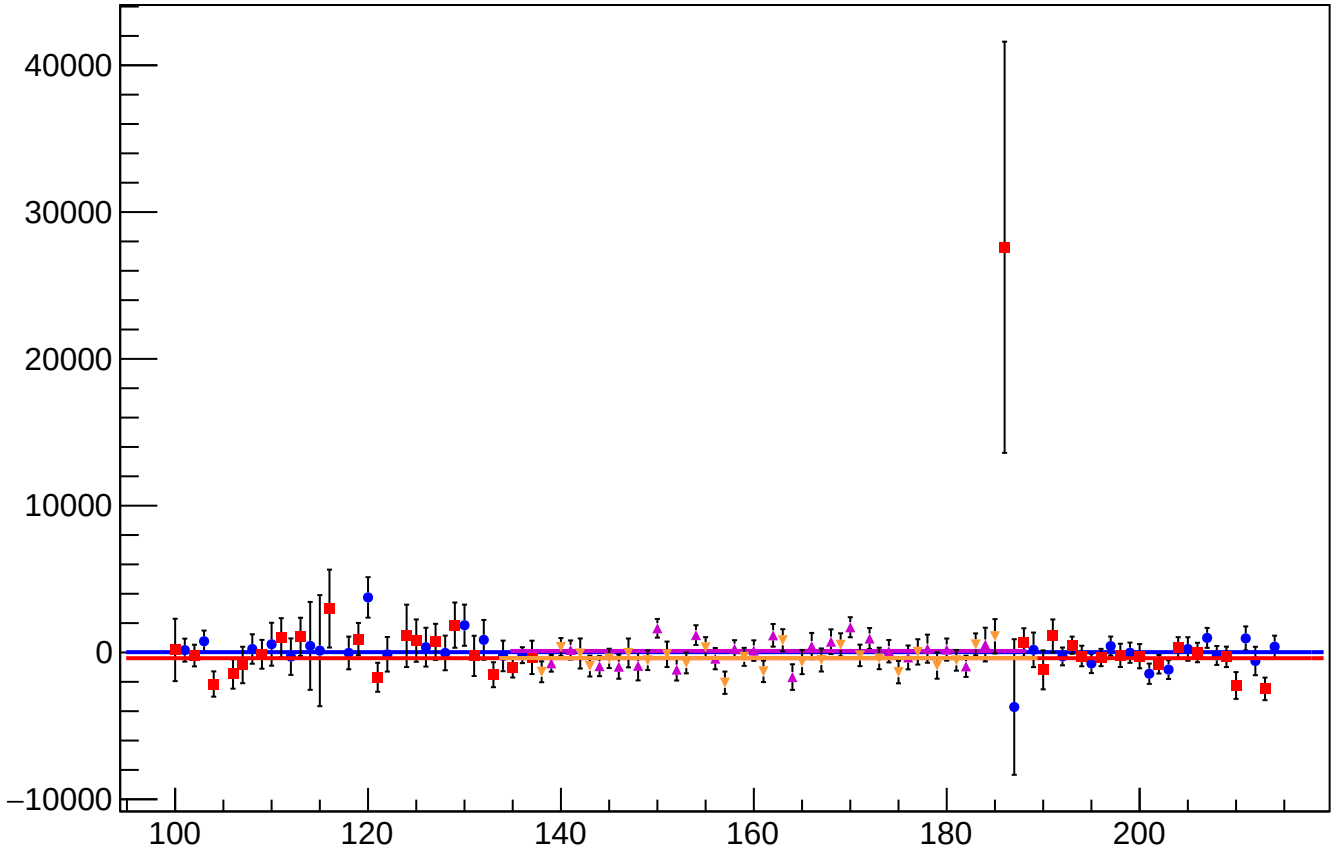
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 673.176+/-0.079 χ^2/NDF: 1610313.8/54

All: 671.481+/-0.056 χ^2/NDF: 4126559.8/11

- sign 669.766+/-0.079 χ^2/NDF: 2515314.0/56

asym_sam_15_dd_mean vs Slug



Right In: 22.347+/-158.548 χ^2/NDF: 25.8/29

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -390.094+/-156.328 χ^2/NDF: 42.8/33

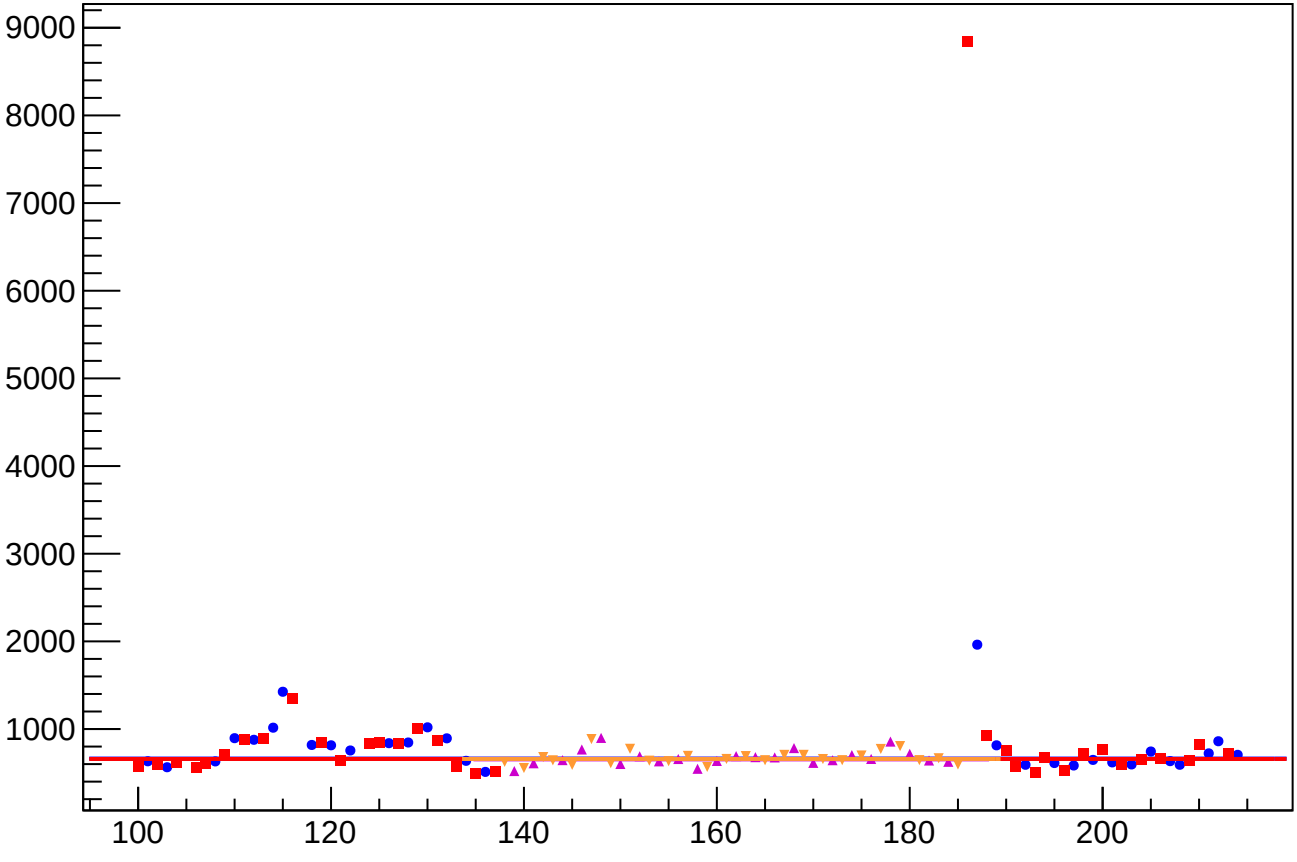
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -187.238+/-109.326 χ^2/NDF: 50.6/54

All: -163.837+/-77.482 χ^2/NDF: 134.0/111

- sign -140.221+/-109.829 χ^2/NDF: 83.3/56

asym_sam_15_dd_rms vs Slug



Right In: 662.901+/-0.112 χ^2/NDF: 1204743.5/29

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

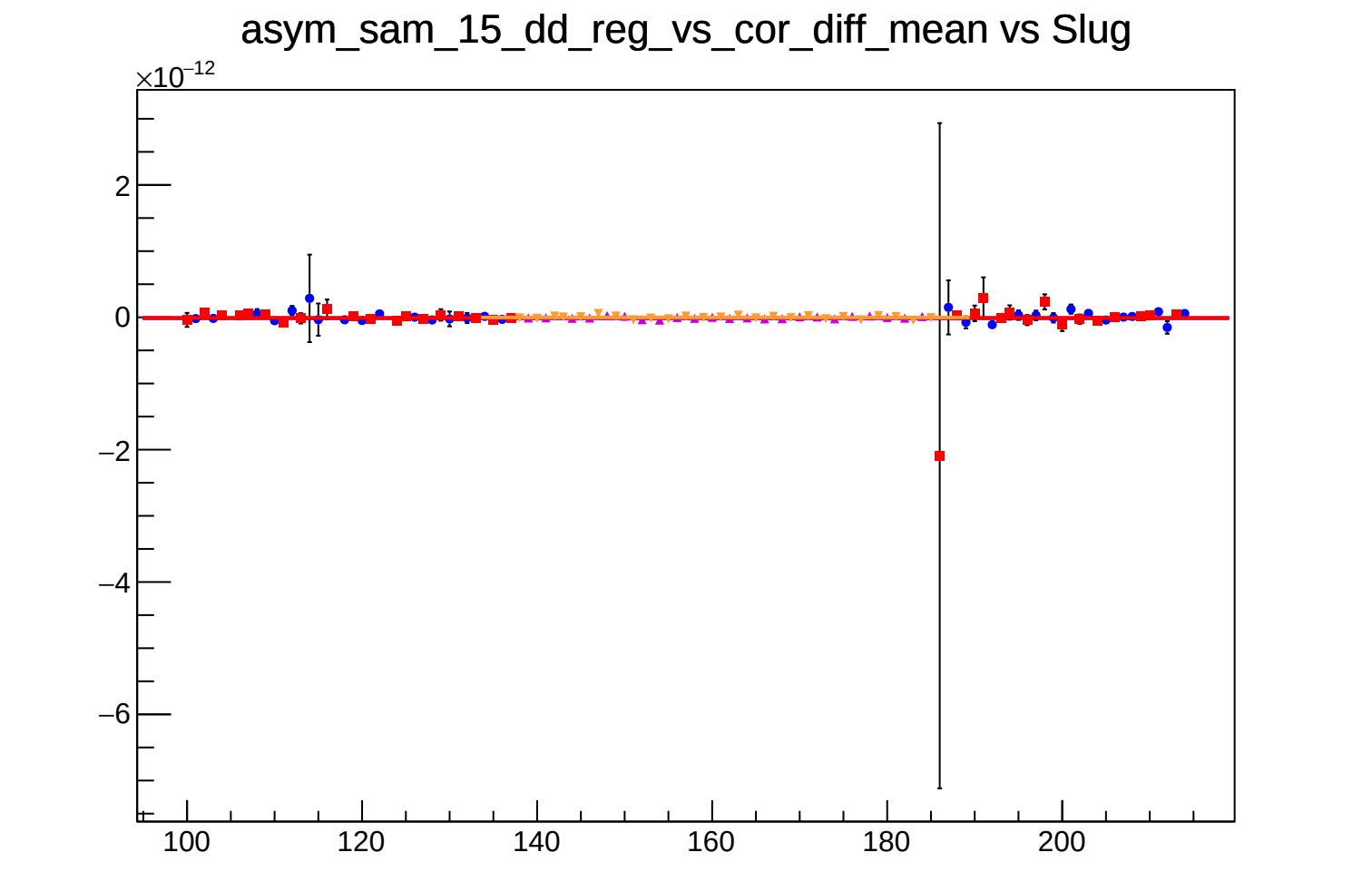
Right Out: 658.552+/-0.111 χ^2/NDF: 2011882.4/33

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 660.683+/-0.077 χ^2/NDF: 1615174.0/54

All: 658.462+/-0.055 χ^2/NDF: 4171669.8/11

- sign 656.221+/-0.078 χ^2/NDF: 2554838.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

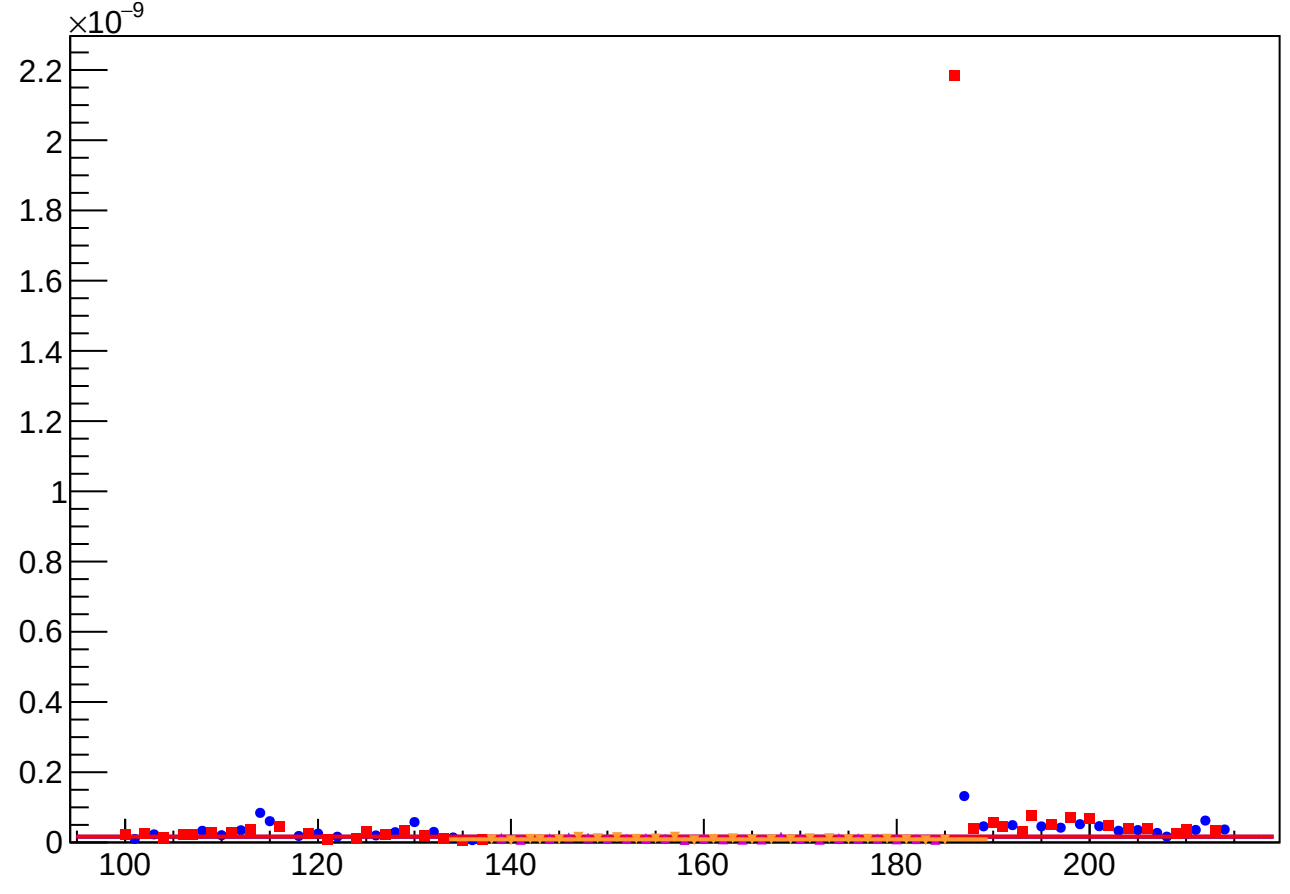
Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/33

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

+ sign -0.000+/-0.000 χ^2/NDF: 62.6/54

All: -0.000+/-0.000 χ^2/NDF: 107.2/111

- sign -0.000+/-0.000 χ^2/NDF: 43.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 6765094.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

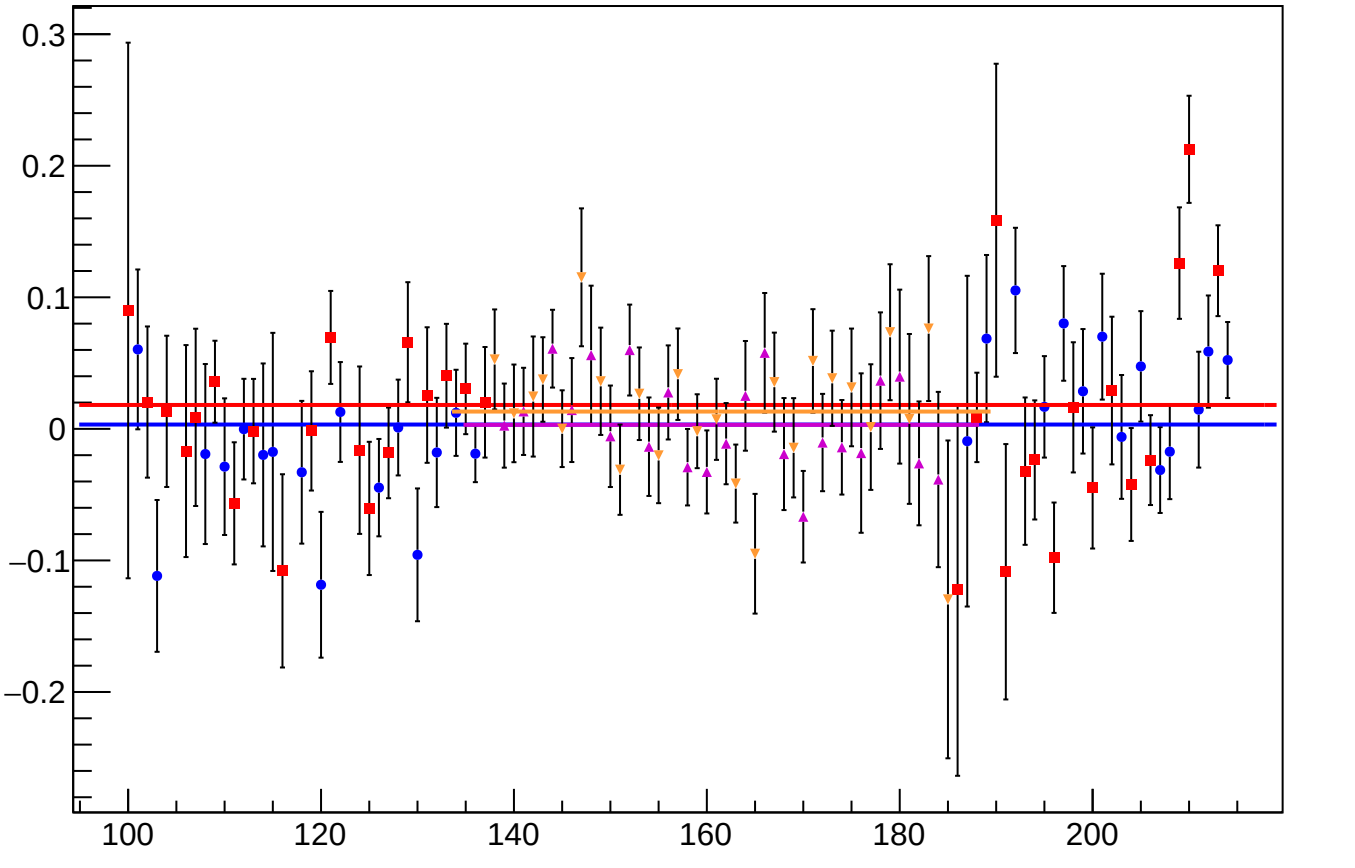
Right Out: 0.000+/-0.000 χ^2/NDF: 7752914.7/33

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9581528.0/54

All: 0.000+/-0.000 χ^2/NDF: 19407771.7/111

- sign 0.000+/-0.000 χ^2/NDF: 9670092.5/56



Right In: 0.003+/-0.008 χ^2/NDF: 36.1/29

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.018+/-0.008 χ^2/NDF: 71.0/33

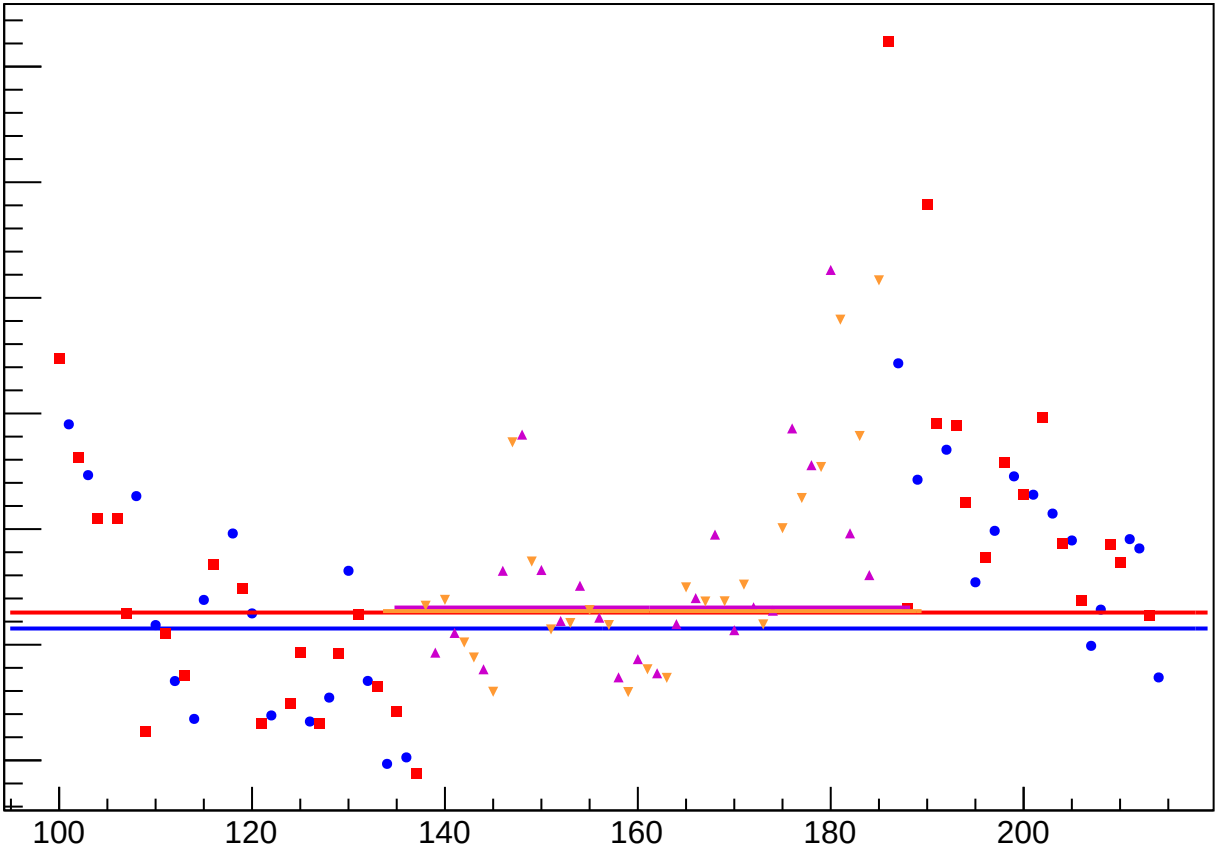
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.008+/-0.005 χ^2/NDF: 62.3/54

All: 0.009+/-0.004 χ^2/NDF: 154.5/111

- sign 0.011+/-0.006 χ^2/NDF: 92.0/56

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.403+/-0.005 χ^2/NDF: 2538401.3/29

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

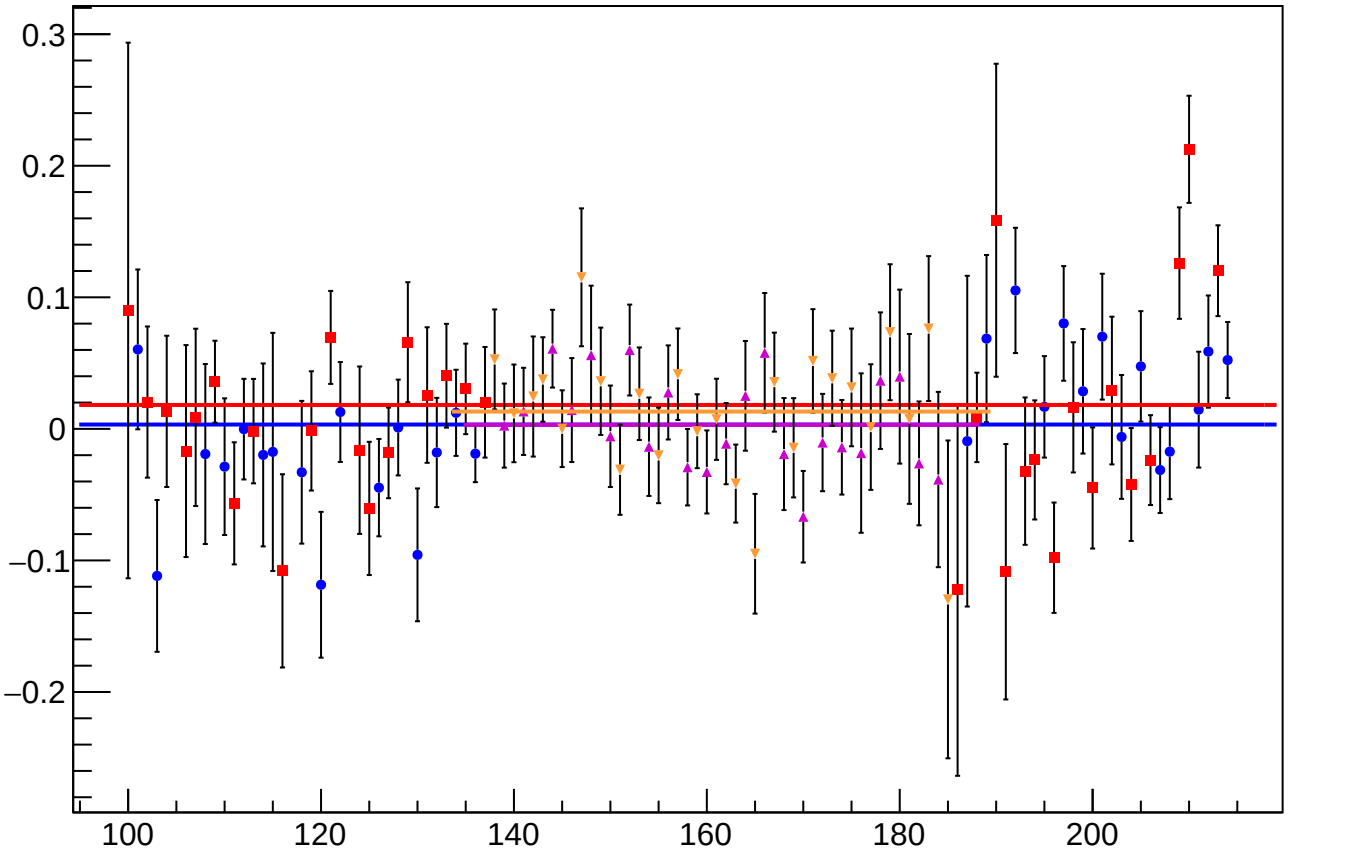
Right Out: 32.784+/-0.006 χ^2/NDF: 2486456.7/33

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 32.157+/-0.004 χ^2/NDF: 4004601.1/54

All: 32.565+/-0.003 χ^2/NDF: 7738706.9/111

\- sign 32.998+/-0.004 χ^2/NDF: 3710887.4/56



Right In: 0.003+/-0.008 χ^2/NDF: 36.1/29

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

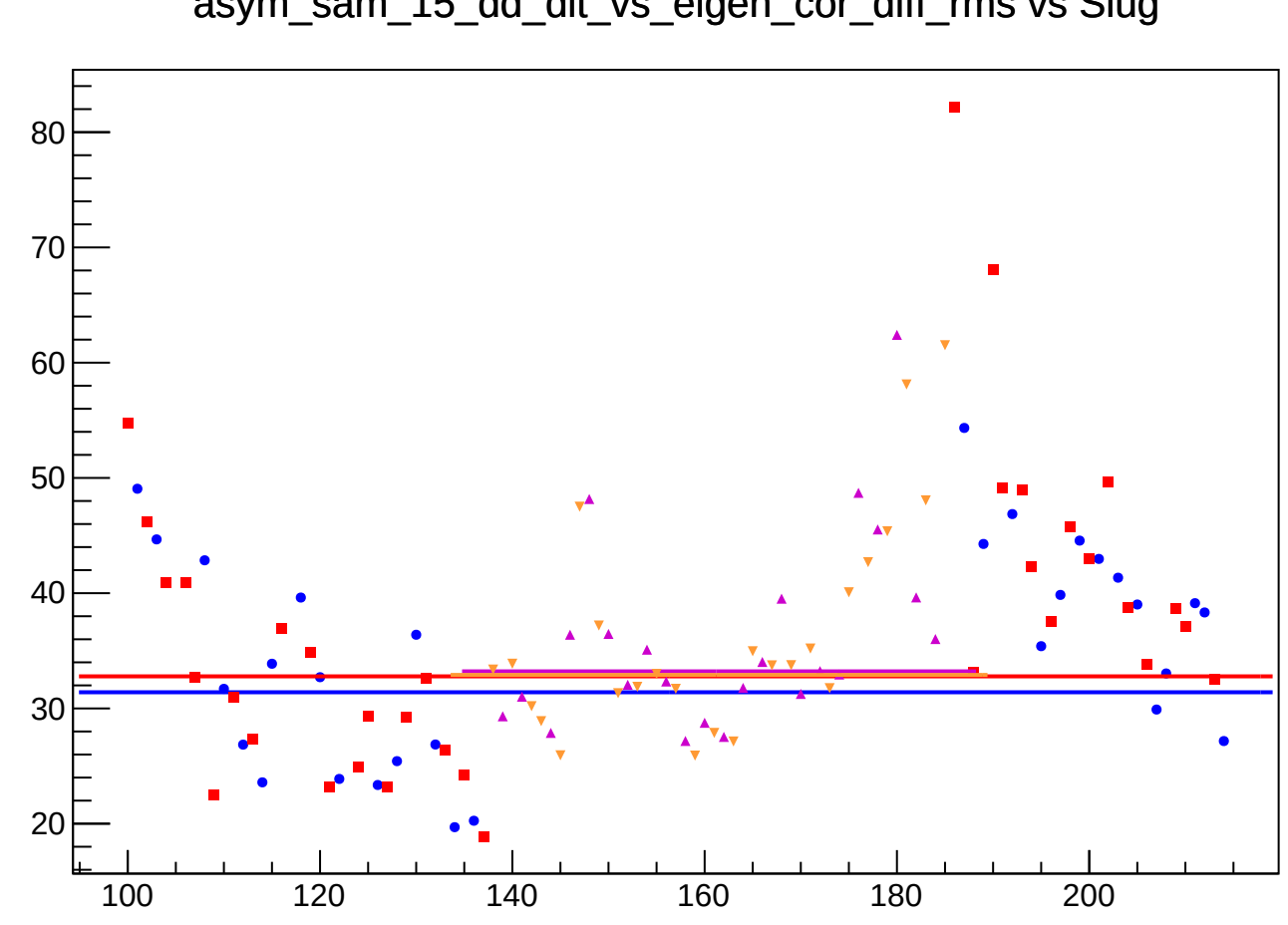
Right Out: 0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.008+/-0.005 χ^2/NDF: 62.3/54

All: 0.009+/-0.004 χ^2/NDF: 154.5/111

- sign 0.011+/-0.006 χ^2/NDF: 92.0/56



Right In: 31.403+/-0.005 χ^2/NDF: 2538401.3/29

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.784+/-0.006 χ^2/NDF: 2486456.7/33

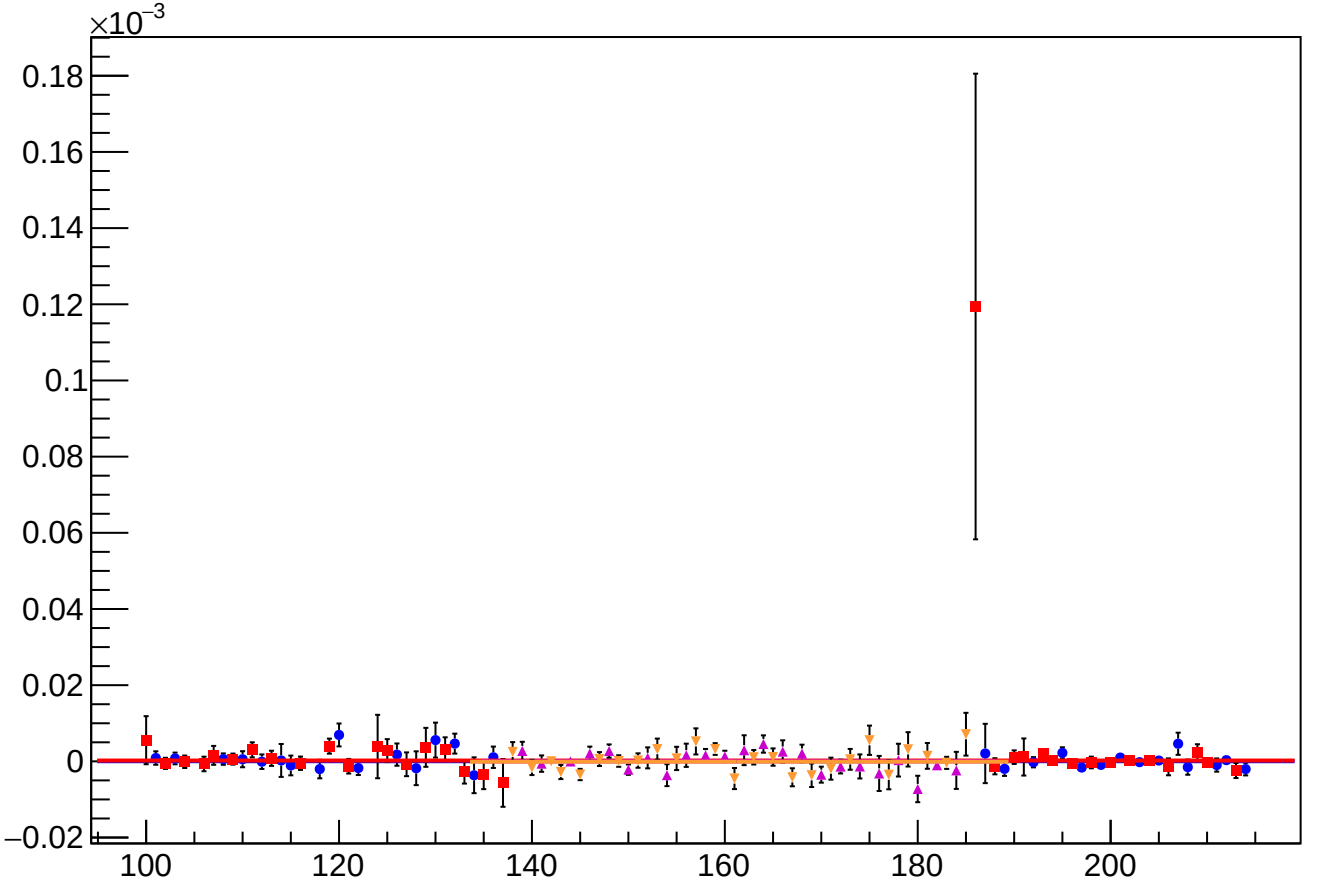
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.157+/-0.004 χ^2/NDF: 4004601.1/54

All: 32.565+/-0.003 χ^2/NDF: 7738706.9/111

- sign 32.998+/-0.004 χ^2/NDF: 3710887.4/56

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 26.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/33

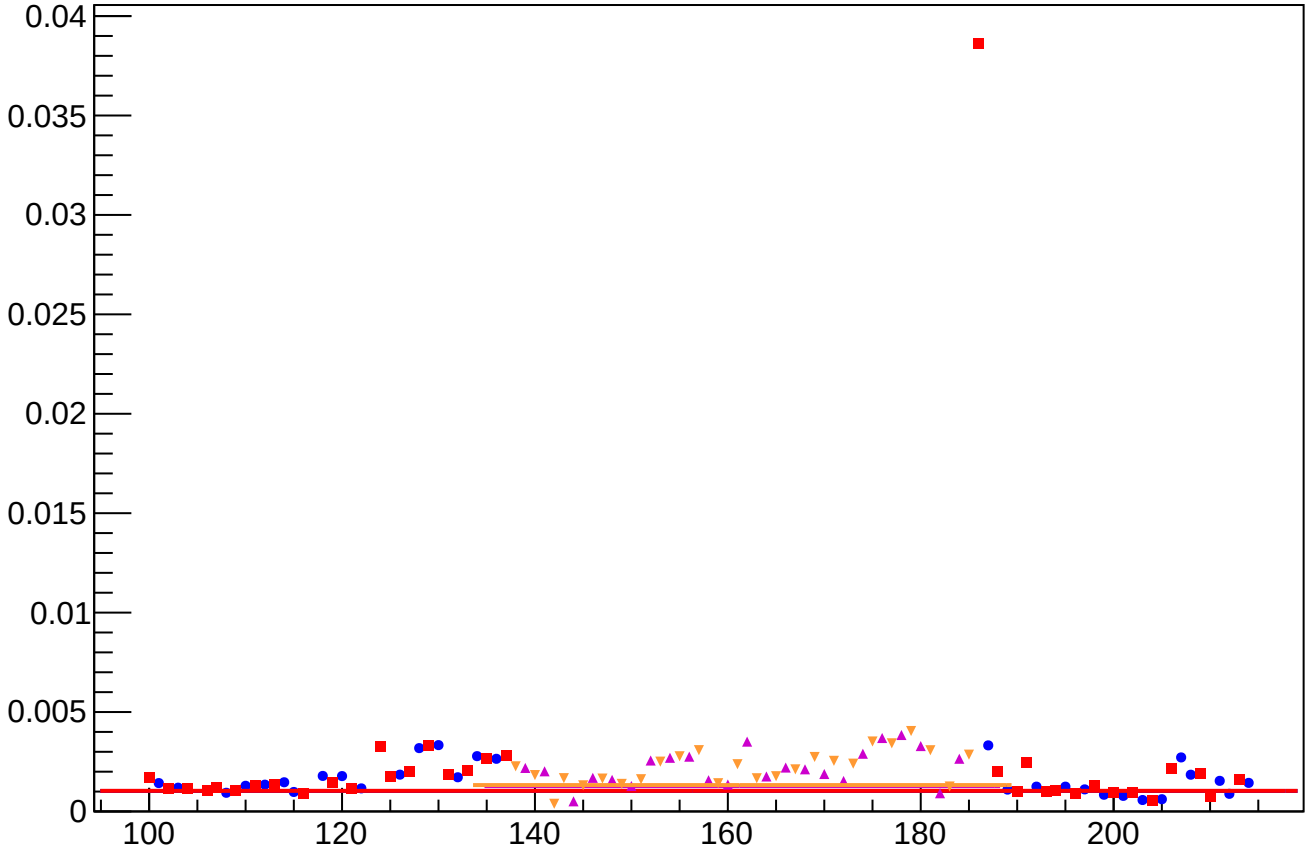
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.5/54

All: 0.000+/-0.000 χ^2/NDF: 109.8/111

- sign 0.000+/-0.000 χ^2/NDF: 52.1/56

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6100930.1/29

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

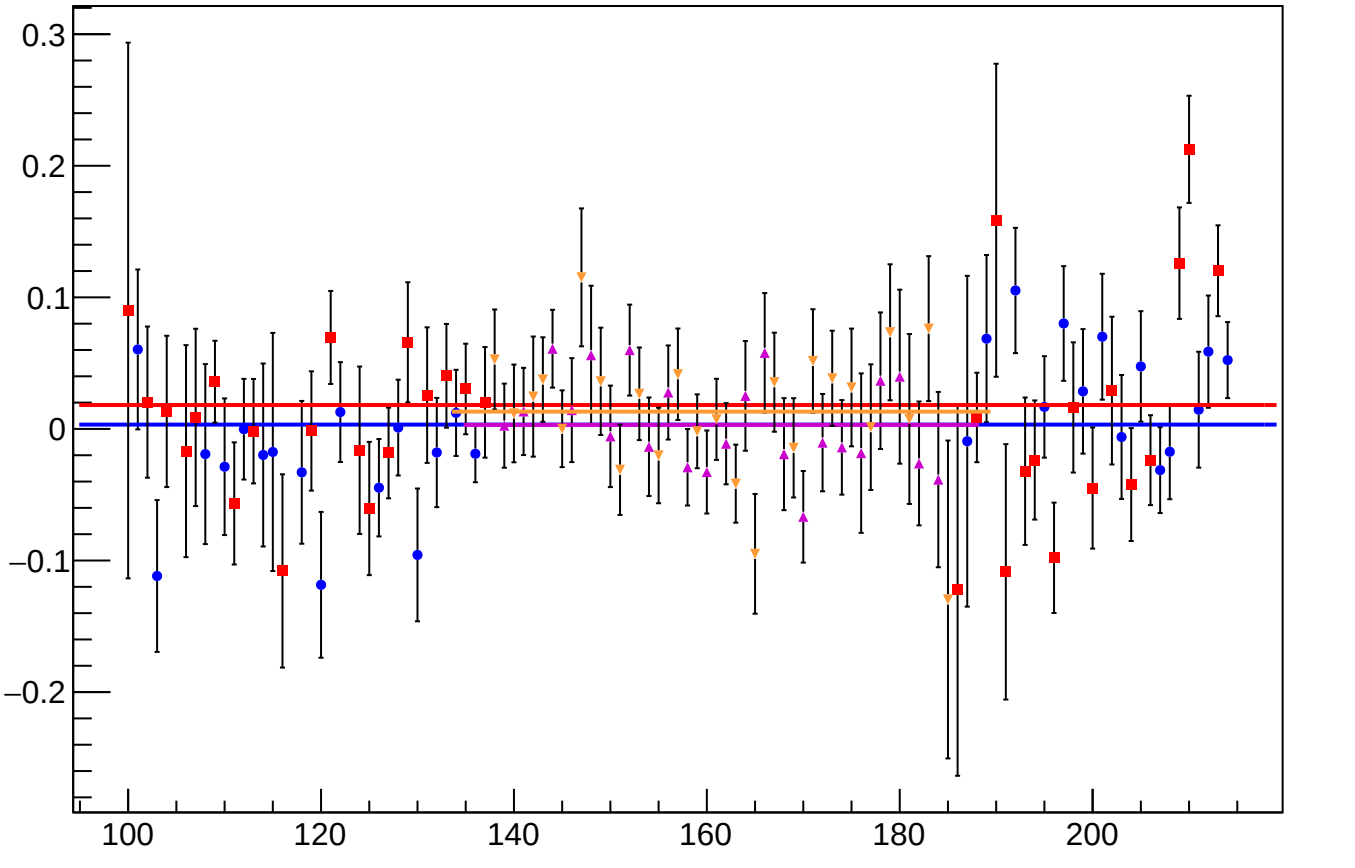
Right Out: 0.001+/-0.000 χ^2/NDF: 6183543.8/33

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18095526.7/54

All: 0.001+/-0.000 χ^2/NDF: 34733516.5/111

- sign 0.001+/-0.000 χ^2/NDF: 16633634.2/56



Right In: 0.003+/-0.008 χ^2/NDF: 36.1/29

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

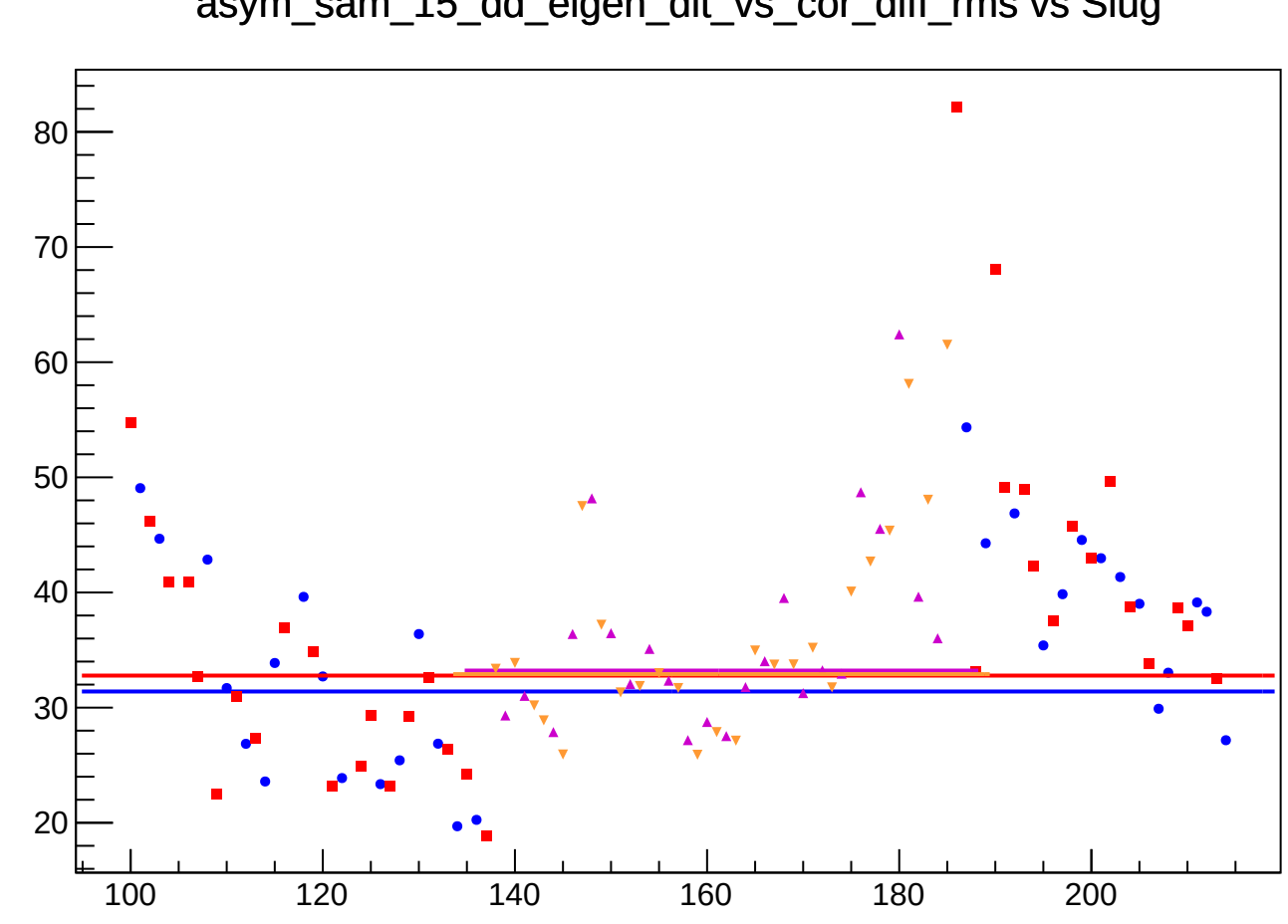
Right Out: 0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.008+/-0.005 χ^2/NDF: 62.3/54

All: 0.009+/-0.004 χ^2/NDF: 154.5/111

- sign 0.011+/-0.006 χ^2/NDF: 92.0/56



Right In: 31.402+/-0.005 χ^2/NDF: 2538631.3/29

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

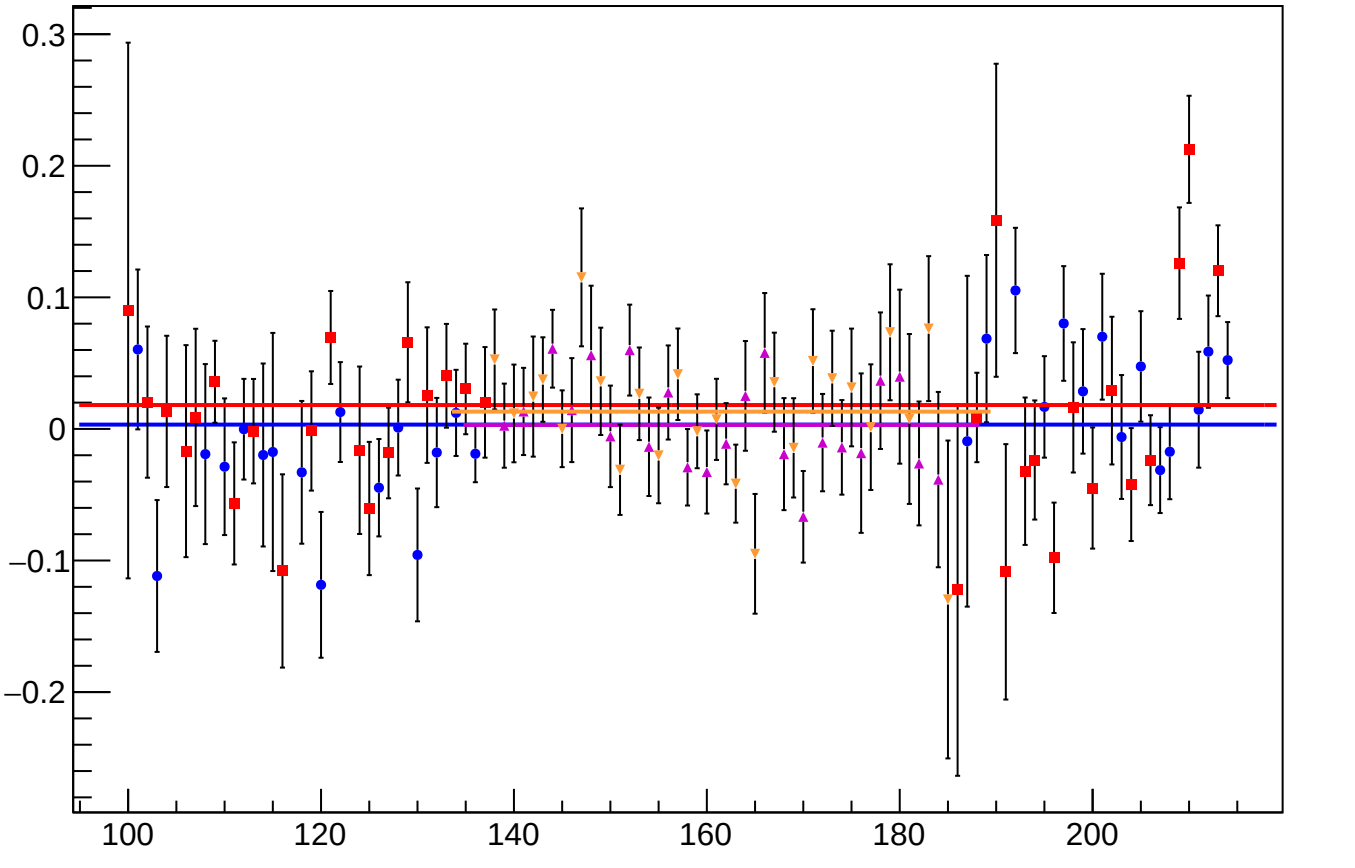
Right Out: 32.783+/-0.006 χ^2/NDF: 2486800.0/33

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 32.157+/-0.004 χ^2/NDF: 4004942.7/54

All: 32.564+/-0.003 χ^2/NDF: 7739474.9/111

\- sign 32.998+/-0.004 χ^2/NDF: 3711315.6/56



Right In: 0.003+/-0.008 χ^2/NDF: 36.1/29

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

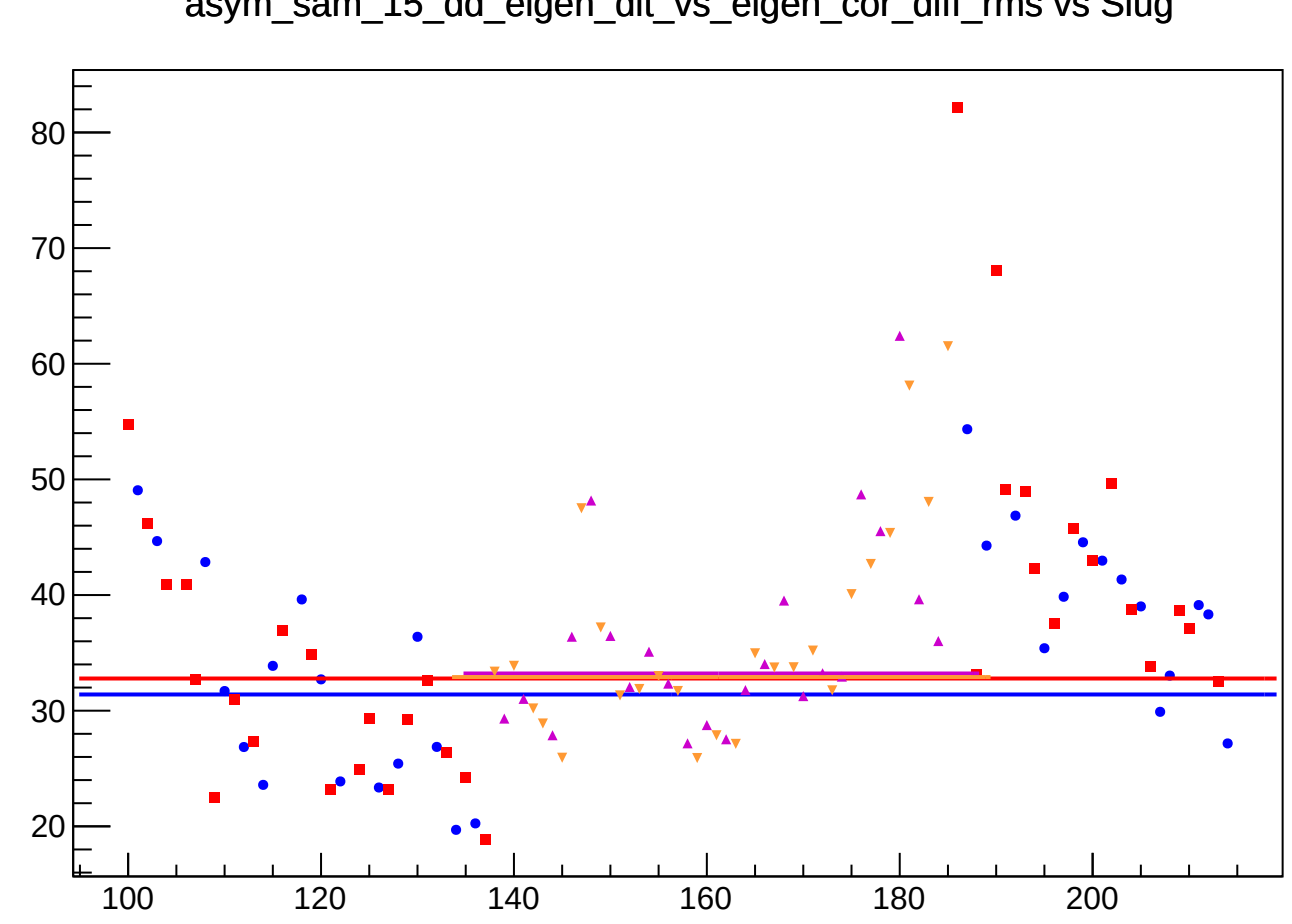
Right Out: 0.018+/-0.008 χ^2/NDF: 71.0/33

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.008+/-0.005 χ^2/NDF: 62.3/54

All: 0.009+/-0.004 χ^2/NDF: 154.5/111

- sign 0.011+/-0.006 χ^2/NDF: 92.0/56



Right In: 31.402+/-0.005 χ^2/NDF: 2538631.3/29

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

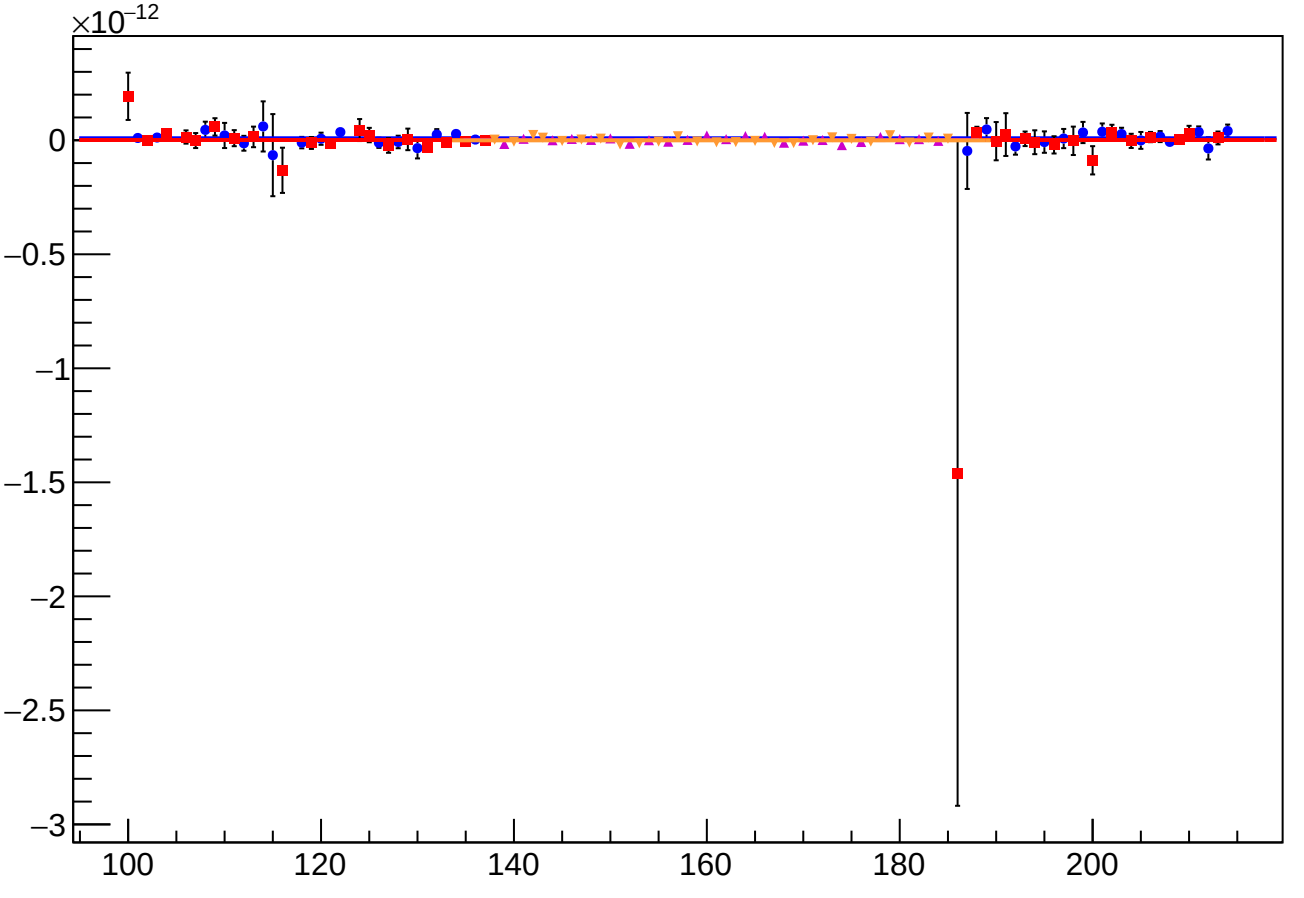
Right Out: 32.783+/-0.006 χ^2/NDF: 2486800.0/33

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

\+ sign 32.157+/-0.004 χ^2/NDF: 4004942.7/54

All: 32.564+/-0.003 χ^2/NDF: 7739474.9/111

\- sign 32.998+/-0.004 χ^2/NDF: 3711315.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

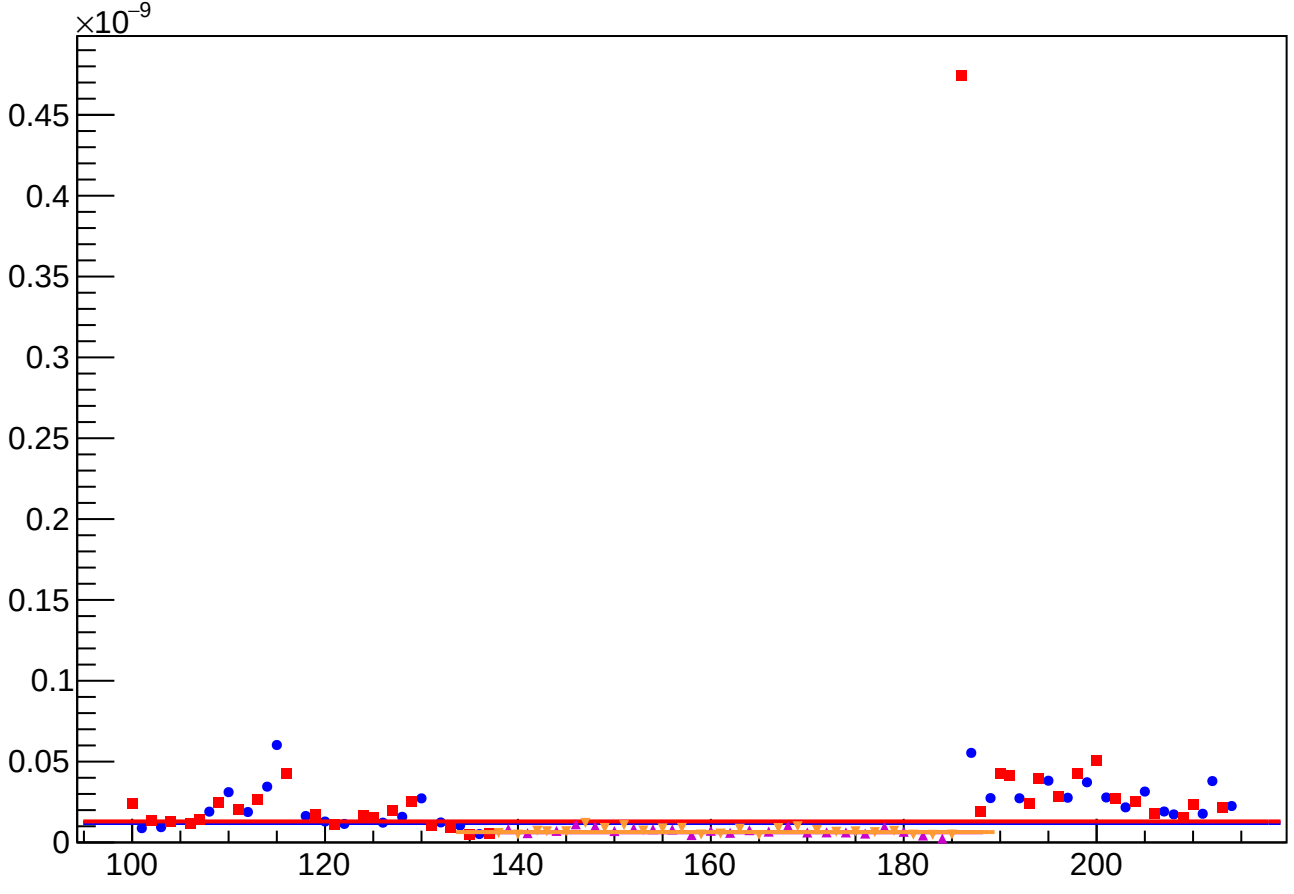
Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/33

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/54

All: 0.000+/-0.000 χ^2/NDF: 98.7/111

- sign 0.000+/-0.000 χ^2/NDF: 47.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 7925249.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7631833.0/33

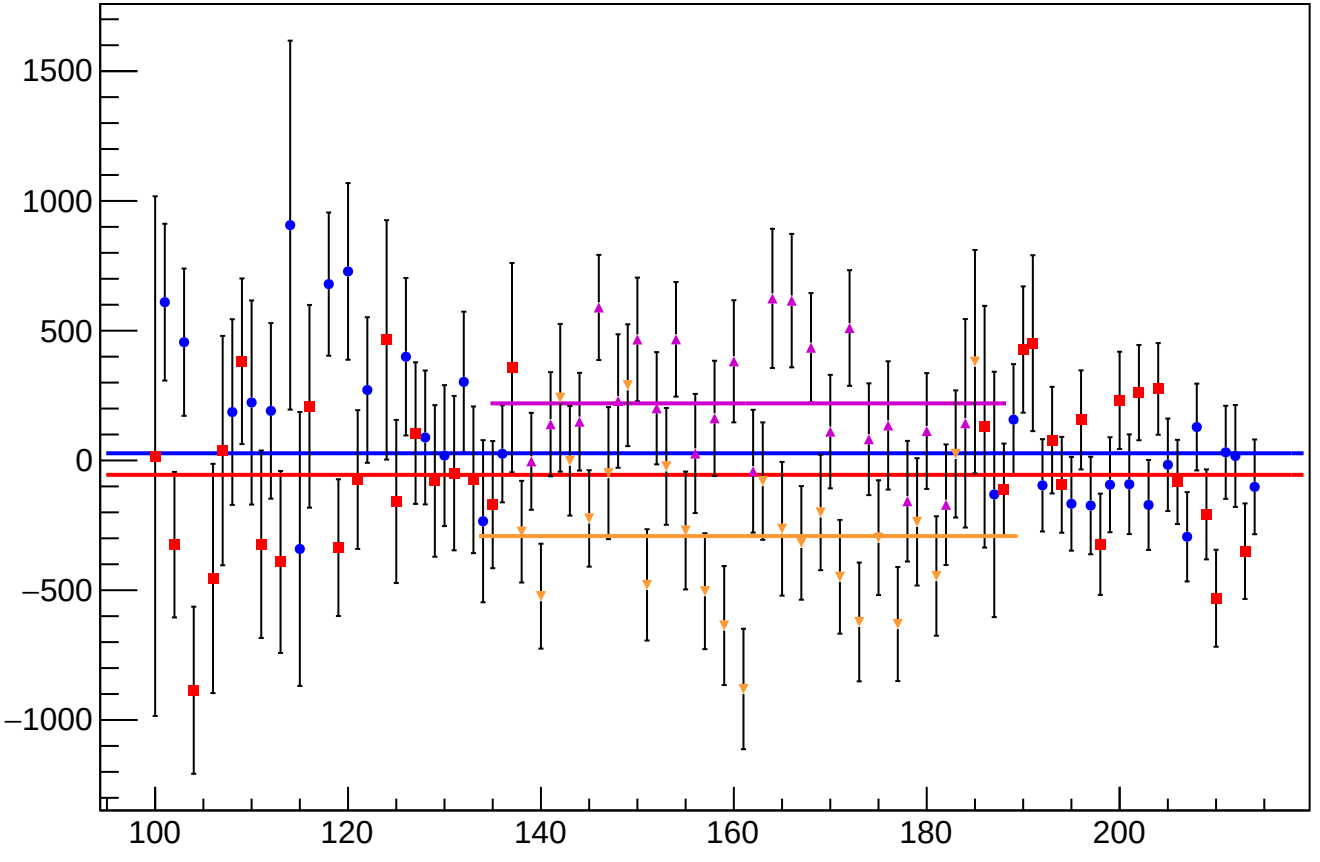
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12990126.4/54

All: 0.000+/-0.000 χ^2/NDF: 26815629.9/111

- sign 0.000+/-0.000 χ^2/NDF: 13825199.8/56

reg_asym_sam_26_dd_mean vs Slug



Right In: 27.663+/-41.755 χ^2/NDF: 32.4/29

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -55.456+/-41.913 χ^2/NDF: 45.1/33

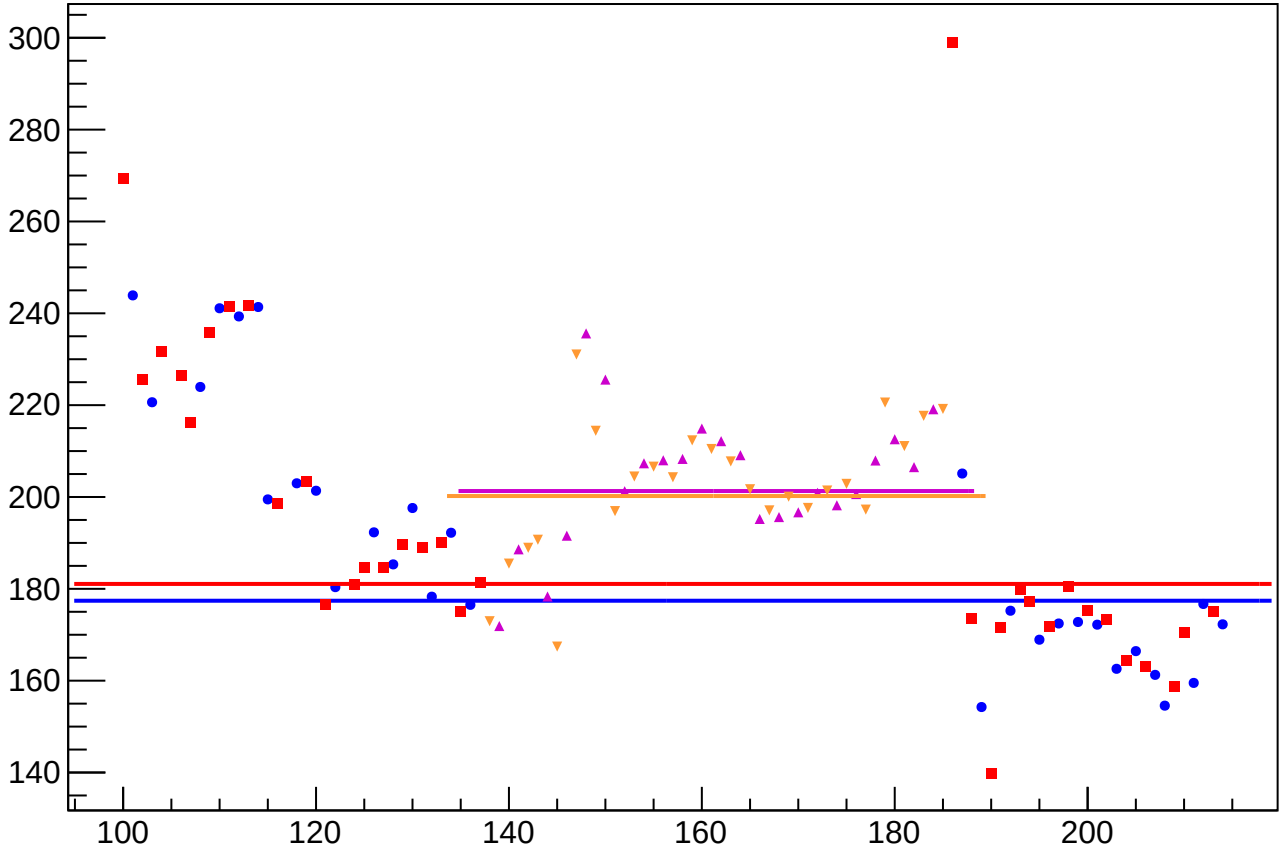
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -117.763+/-30.799 χ^2/NDF: 95.4/54

All: -27.370+/-21.962 χ^2/NDF: 200.8/111

- sign 66.131+/-31.324 χ^2/NDF: 87.9/56

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.409+/-0.030 χ^2/NDF: 503730.8/29

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 181.067+/-0.030 χ^2/NDF: 636365.7/33

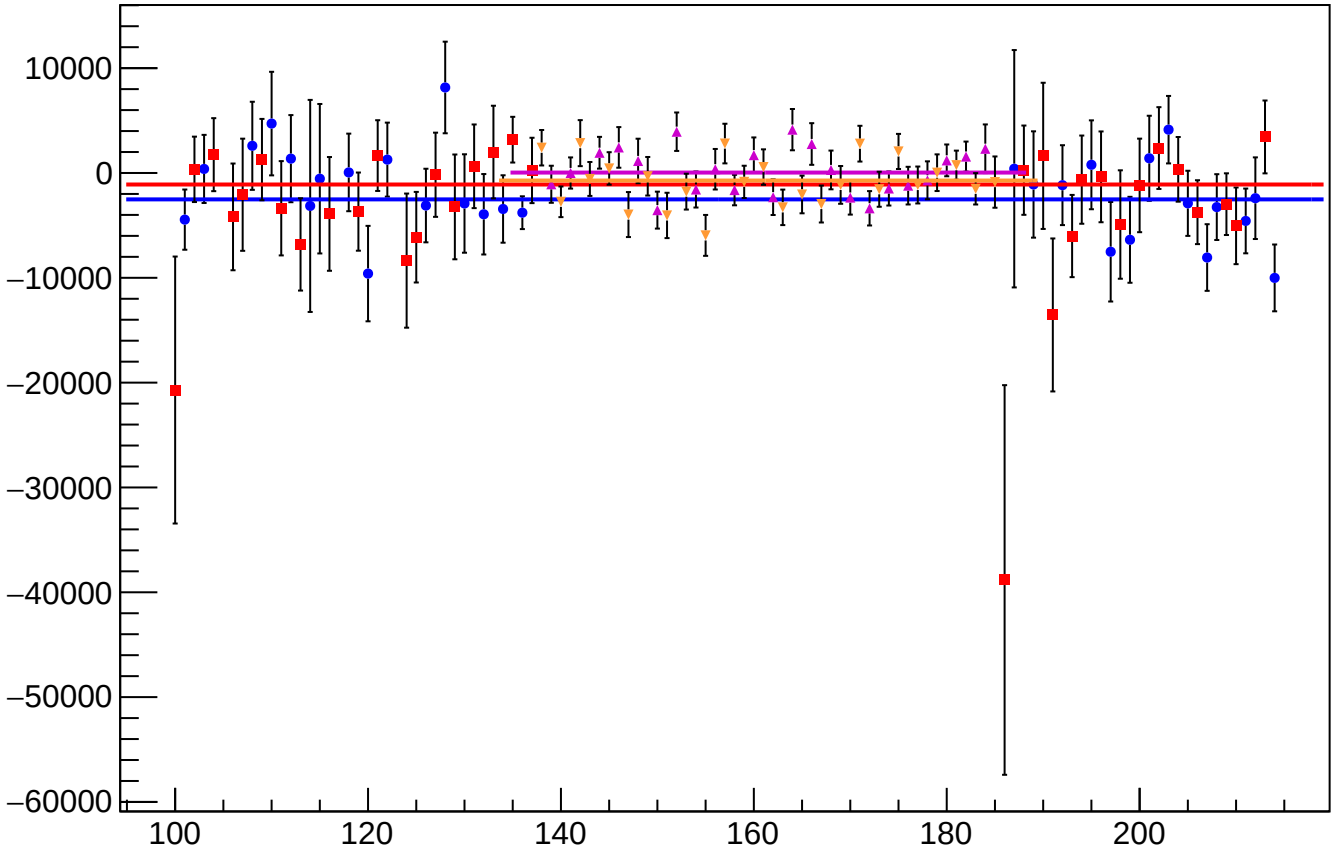
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 187.804+/-0.022 χ^2/NDF: 980014.7/54

All: 188.882+/-0.016 χ^2/NDF: 2008704.3/11

- sign 189.998+/-0.022 χ^2/NDF: 1023704.9/56

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2518.707+/-650.850 χ^2/NDF: 33.9/29

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1099.471+/-682.839 χ^2/NDF: 29.5/33

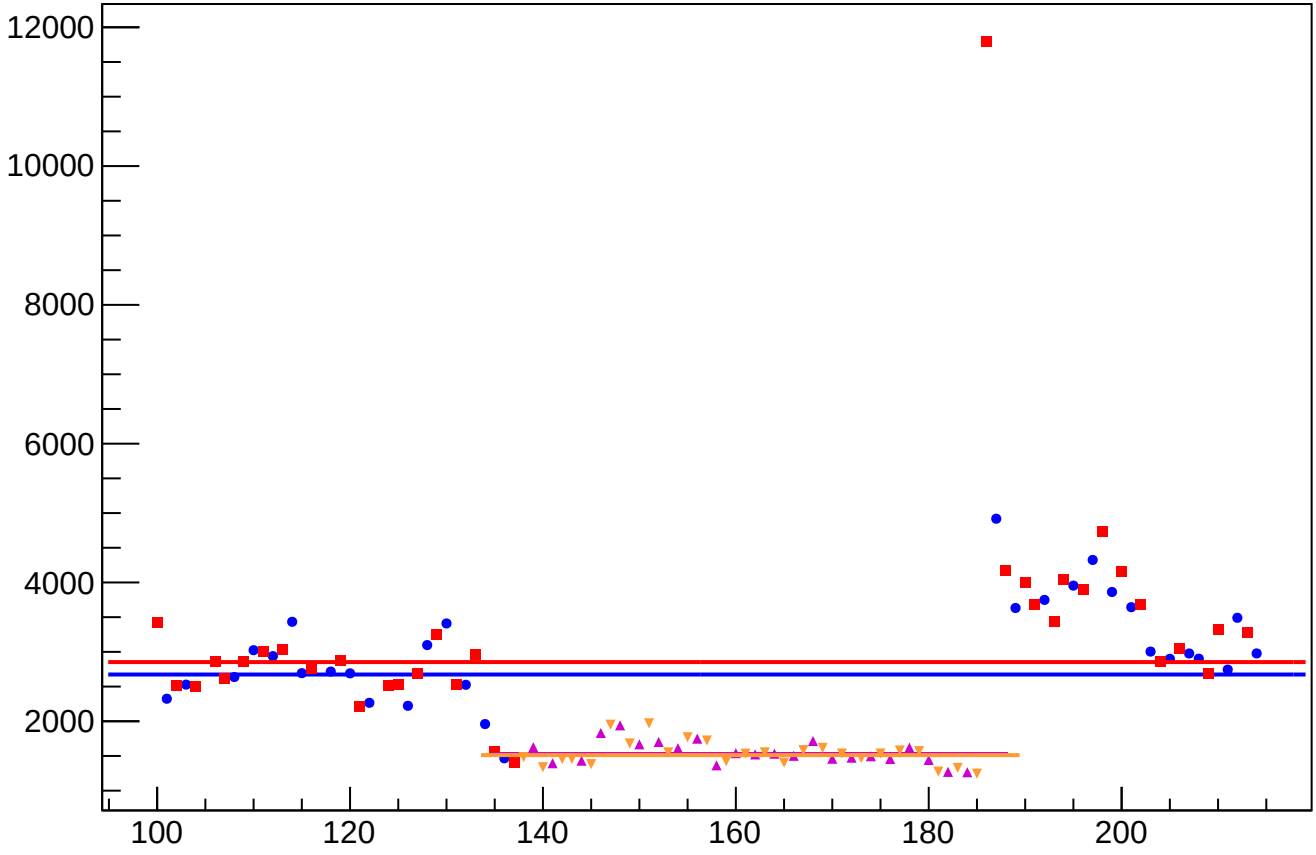
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1117.547+/-305.771 χ^2/NDF: 78.1/54

All: -680.329+/-220.391 χ^2/NDF: 148.4/111

- sign -207.606+/-317.944 χ^2/NDF: 66.0/56

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2673.510+/-0.460 χ^2/NDF: 2669323.8/29

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.966+/-0.483 χ^2/NDF: 2973331.2/33

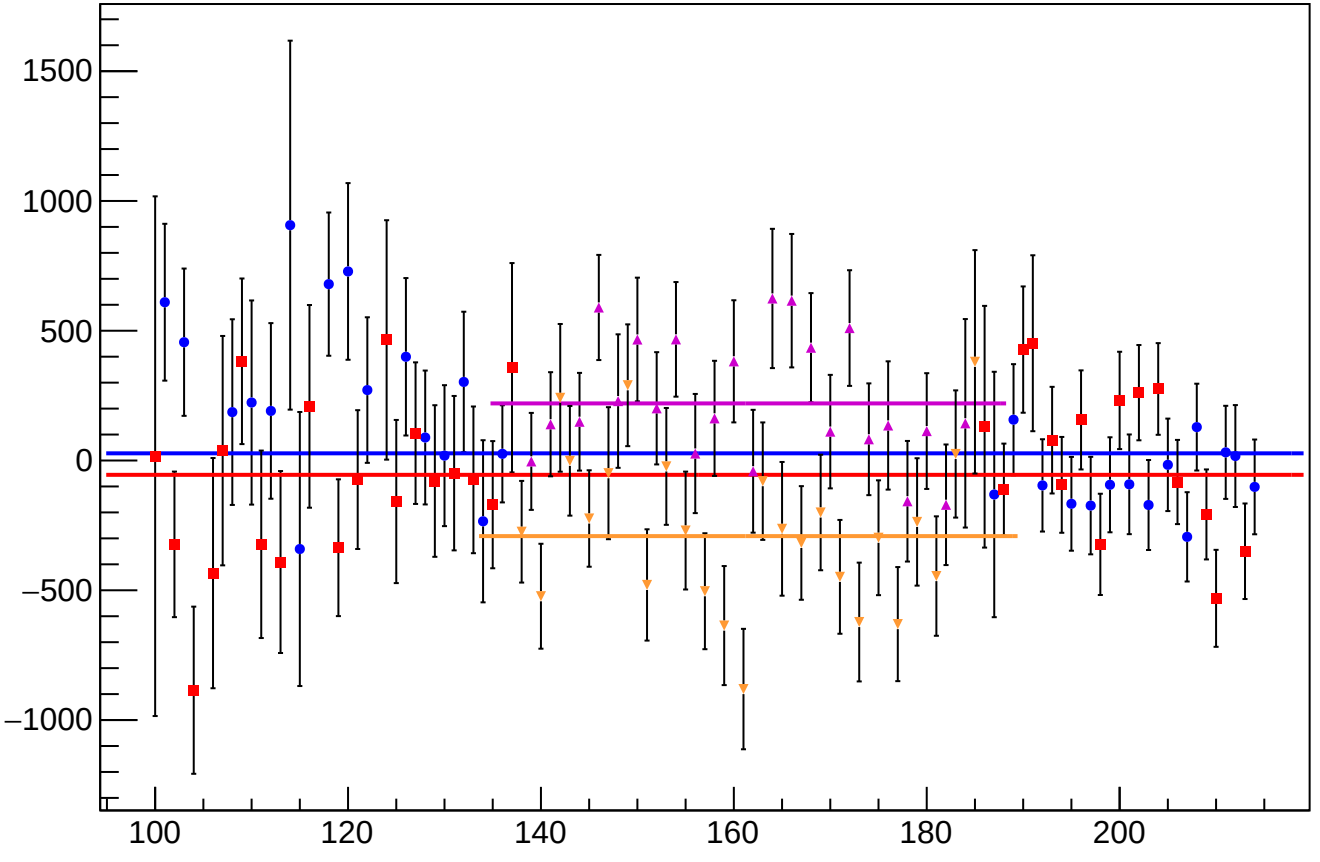
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1768.646+/-0.216 χ^2/NDF: 8072535.9/54

All: 1791.028+/-0.156 χ^2/NDF: 17339913.7/1

- sign 1815.228+/-0.225 χ^2/NDF: 9245075.5/56

cor_asym_sam_26_dd_mean vs Slug



Right In: 27.655+/-41.755 χ^2/NDF: 32.4/29

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -55.197+/-41.914 χ^2/NDF: 45.0/33

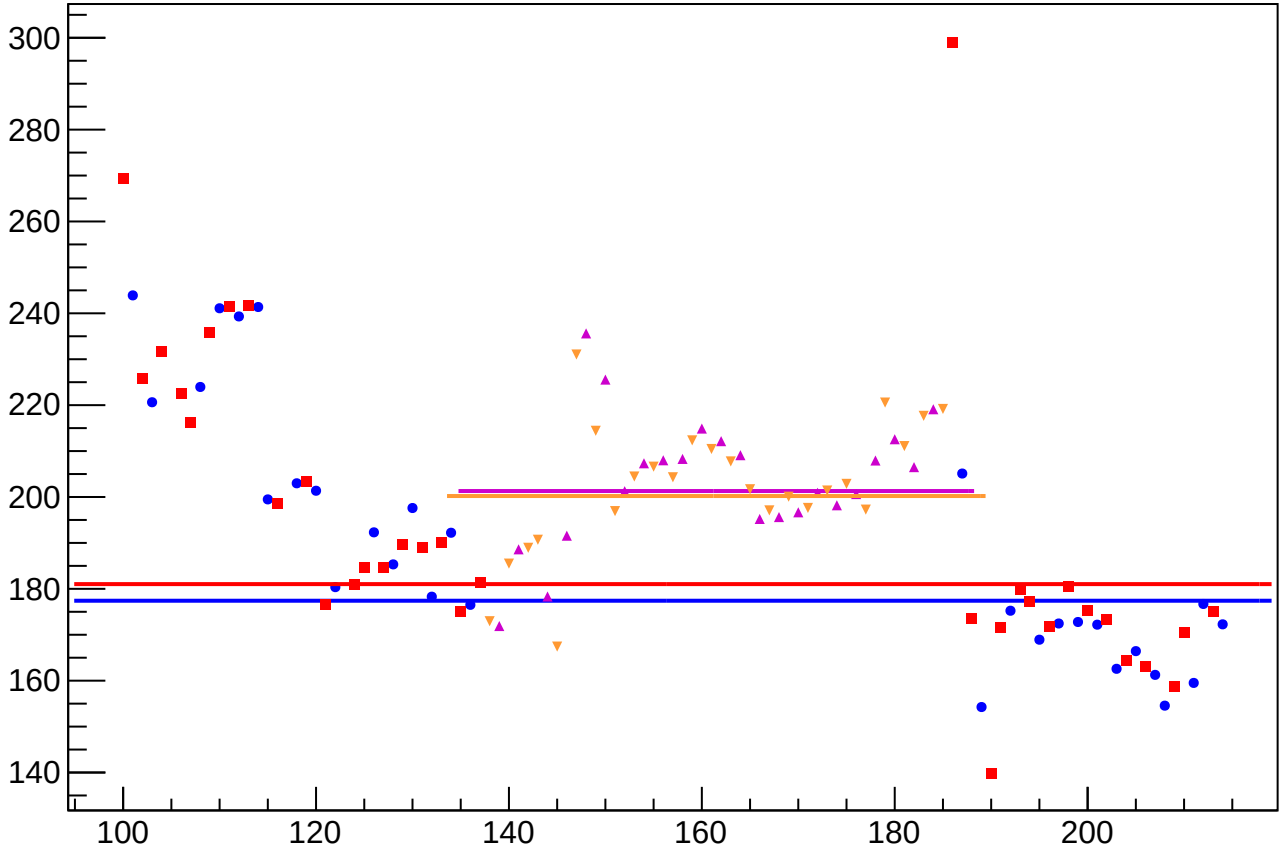
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -117.768+/-30.799 χ^2/NDF: 95.4/54

All: -27.299+/-21.962 χ^2/NDF: 200.7/111

- sign 66.285+/-31.325 χ^2/NDF: 87.7/56

cor_asym_sam_26_dd_rms vs Slug



Right In: 177.409+/-0.030 χ^2/NDF: 503731.3/29

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

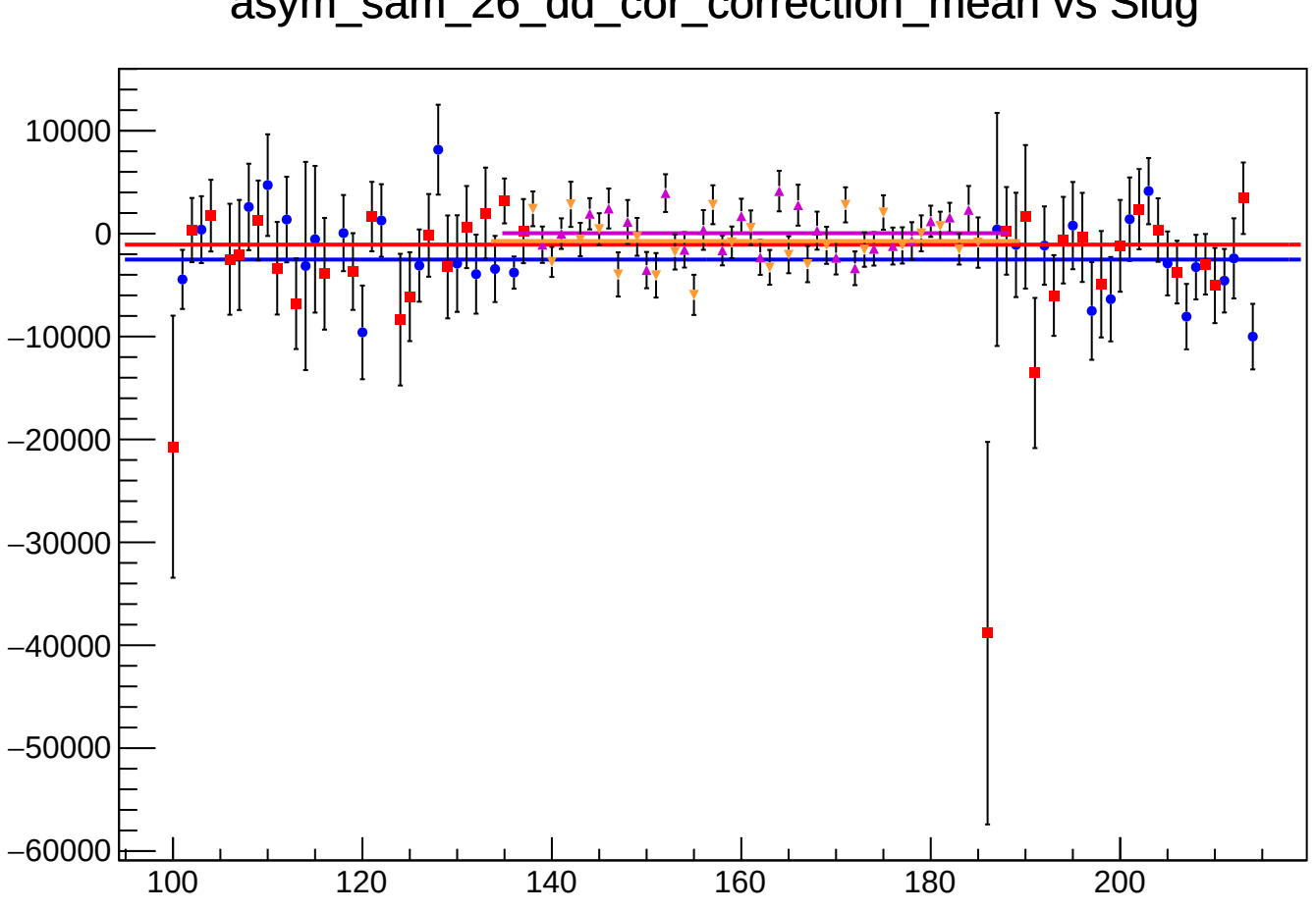
Right Out: 181.029+/-0.030 χ^2/NDF: 632835.9/33

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 187.804+/-0.022 χ^2/NDF: 980015.2/54

All: 188.872+/-0.016 χ^2/NDF: 2005839.2/11

- sign 189.977+/-0.022 χ^2/NDF: 1020932.4/56



Right In: -2518.693+/-650.850 χ^2/NDF: 33.9/29

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1066.267+/-683.520 χ^2/NDF: 29.1/33

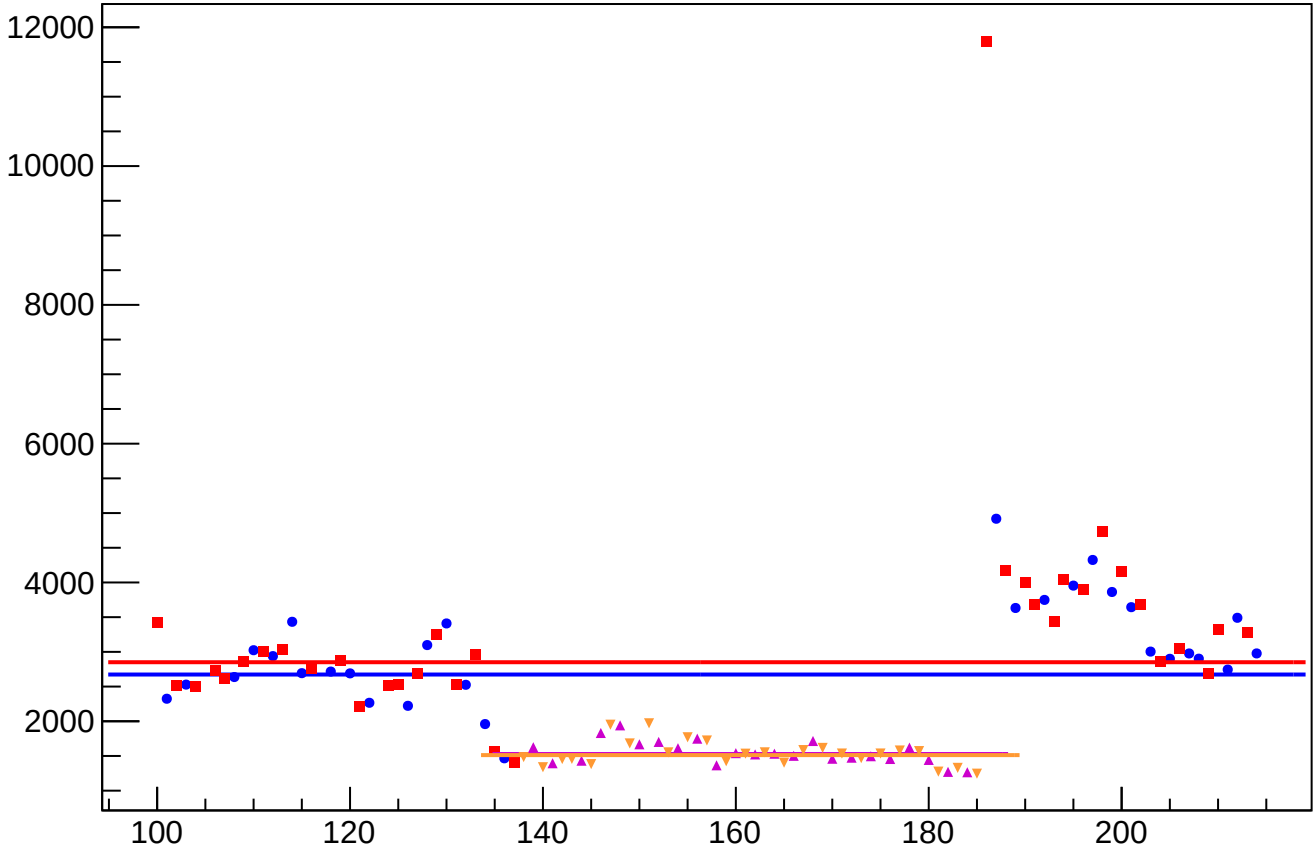
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1117.546+/-305.771 χ^2/NDF: 78.1/54

All: -676.790+/-220.413 χ^2/NDF: 148.1/111

- sign -200.035+/-318.013 χ^2/NDF: 65.6/56

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2673.513+/-0.460 χ^2/NDF: 2669316.7/29

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.806+/-0.483 χ^2/NDF: 2974176.2/33

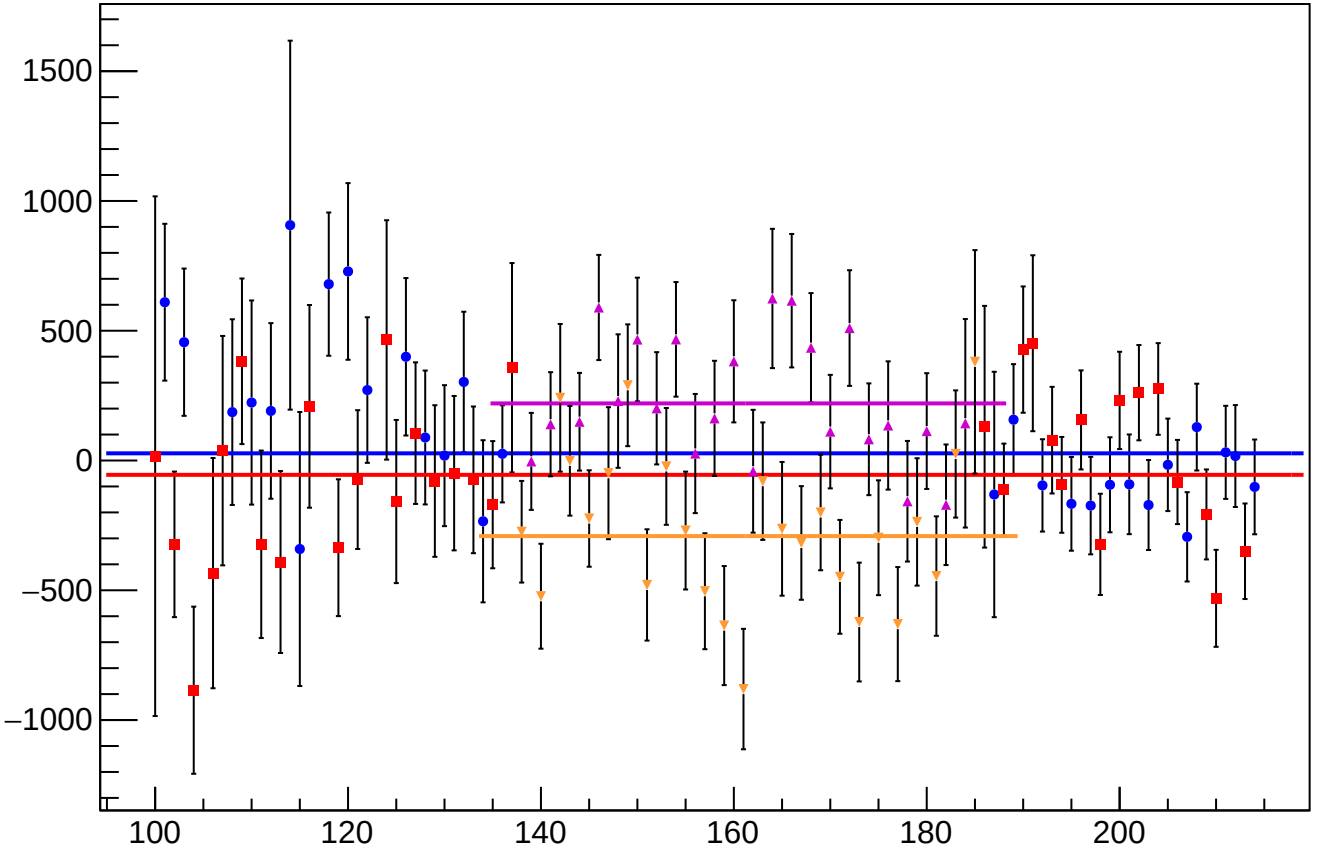
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1768.647+/-0.216 χ^2/NDF: 8072546.7/54

All: 1790.584+/-0.156 χ^2/NDF: 17311511.0/1

- sign 1814.312+/-0.225 χ^2/NDF: 9217535.1/56

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 27.655+/-41.755 χ^2/NDF: 32.4/29

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -55.197+/-41.914 χ^2/NDF: 45.0/33

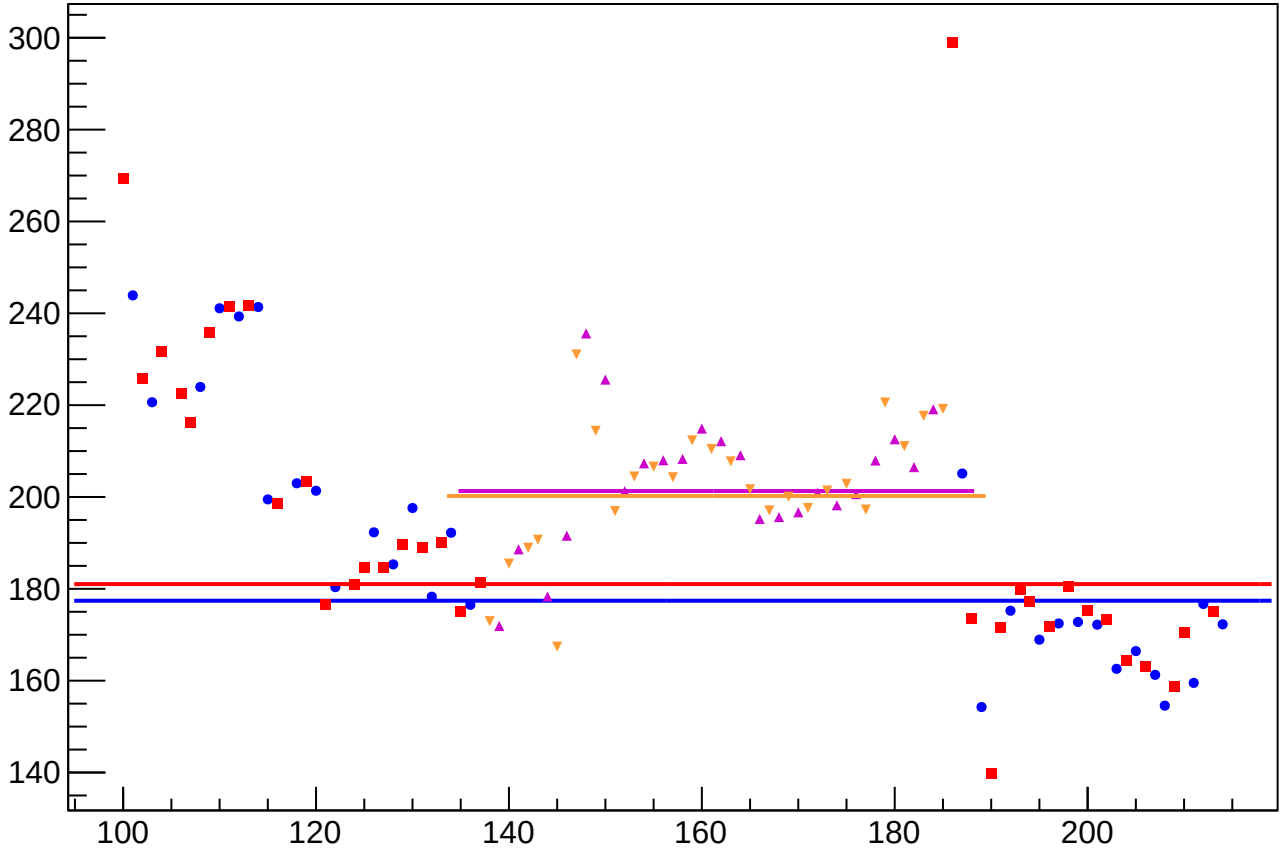
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -117.768+/-30.799 χ^2/NDF: 95.4/54

All: -27.299+/-21.962 χ^2/NDF: 200.7/111

- sign 66.285+/-31.325 χ^2/NDF: 87.7/56

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 177.409+/-0.030 χ^2/NDF: 503731.3/29

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

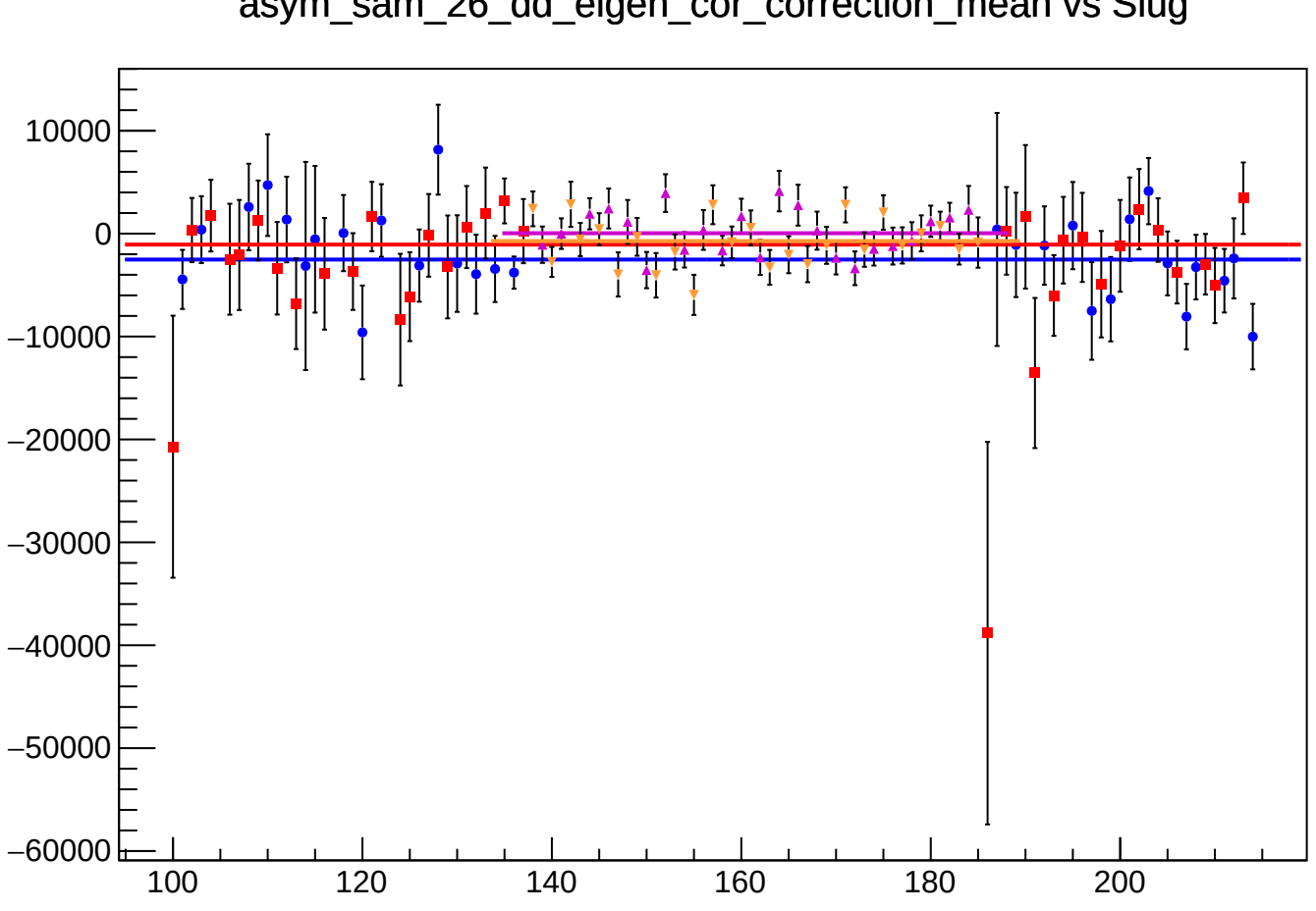
Right Out: 181.029+/-0.030 χ^2/NDF: 632835.9/33

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 187.804+/-0.022 χ^2/NDF: 980015.2/54

All: 188.872+/-0.016 χ^2/NDF: 2005839.2/11

- sign 189.977+/-0.022 χ^2/NDF: 1020932.4/56



Right In: -2518.693+/-650.850 χ^2/NDF: 33.9/29

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1066.267+/-683.520 χ^2/NDF: 29.1/33

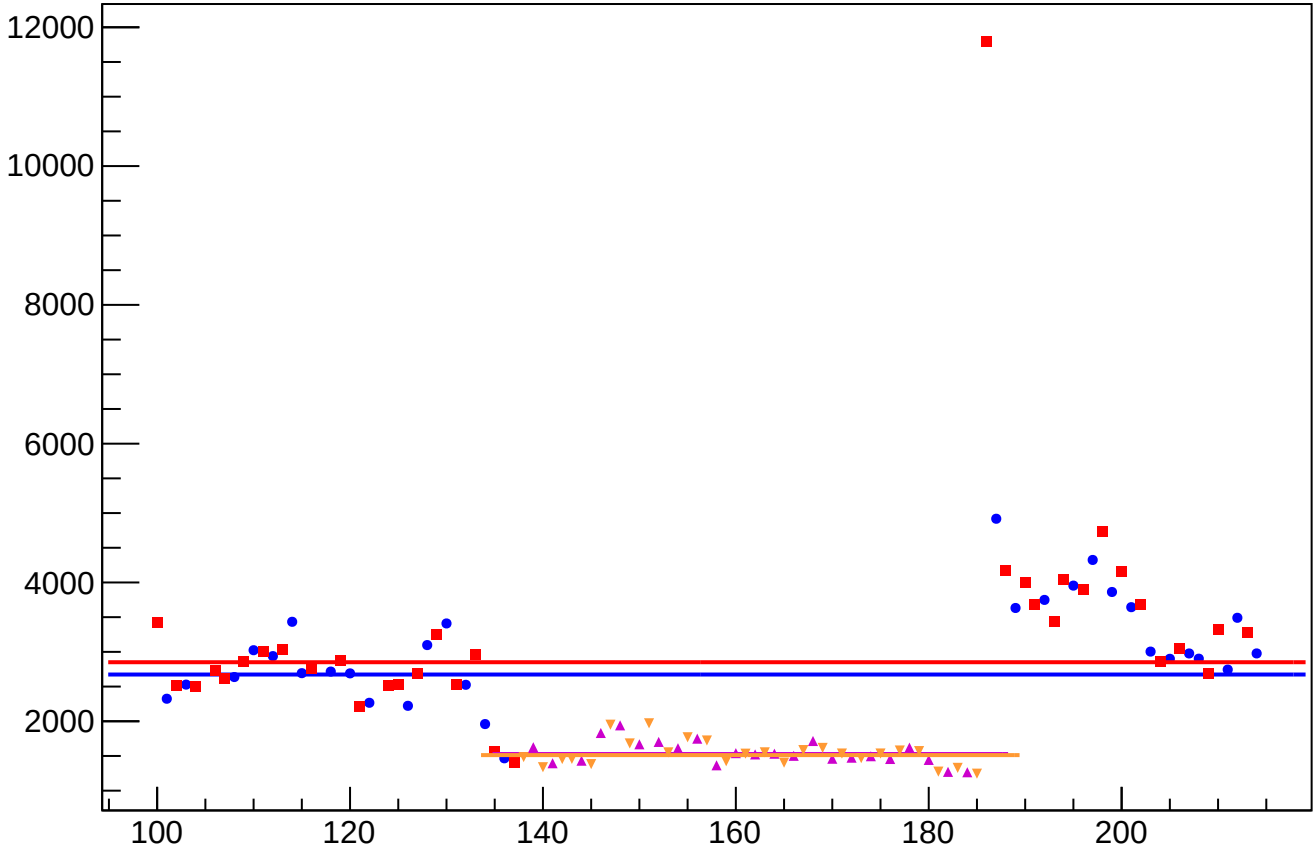
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1117.546+/-305.771 χ^2/NDF: 78.1/54

All: -676.790+/-220.413 χ^2/NDF: 148.1/111

- sign -200.035+/-318.013 χ^2/NDF: 65.6/56

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2673.513+/-0.460 χ^2/NDF: 2669316.7/29

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.806+/-0.483 χ^2/NDF: 2974176.2/33

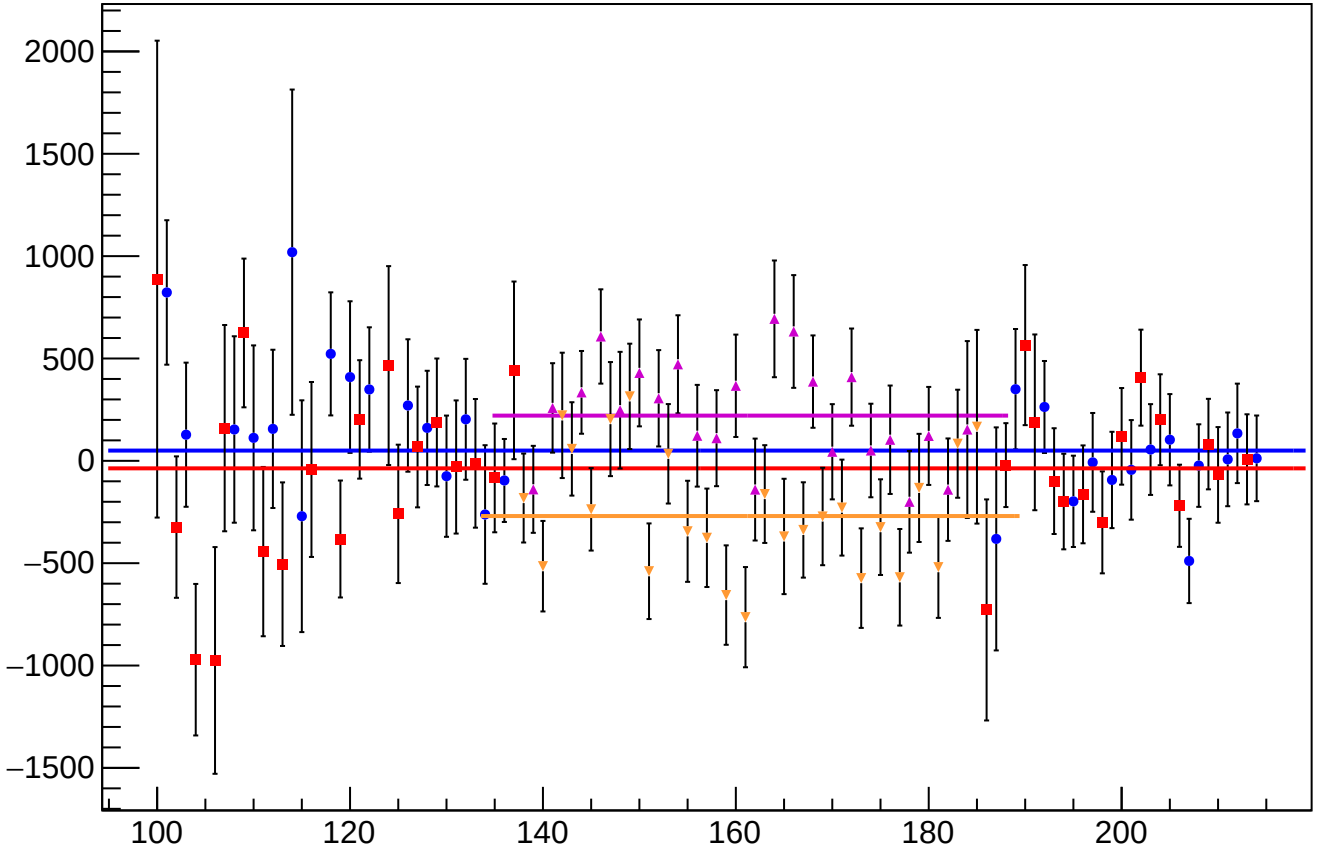
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1768.647+/-0.216 χ^2/NDF: 8072546.7/54

All: 1790.584+/-0.156 χ^2/NDF: 17311511.0/1

- sign 1814.312+/-0.225 χ^2/NDF: 9217535.1/56

dit_asym_sam_26_dd_mean vs Slug



Right In: 50.121+/-50.050 χ^2/NDF: 25.2/29

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -36.726+/-50.407 χ^2/NDF: 34.5/33

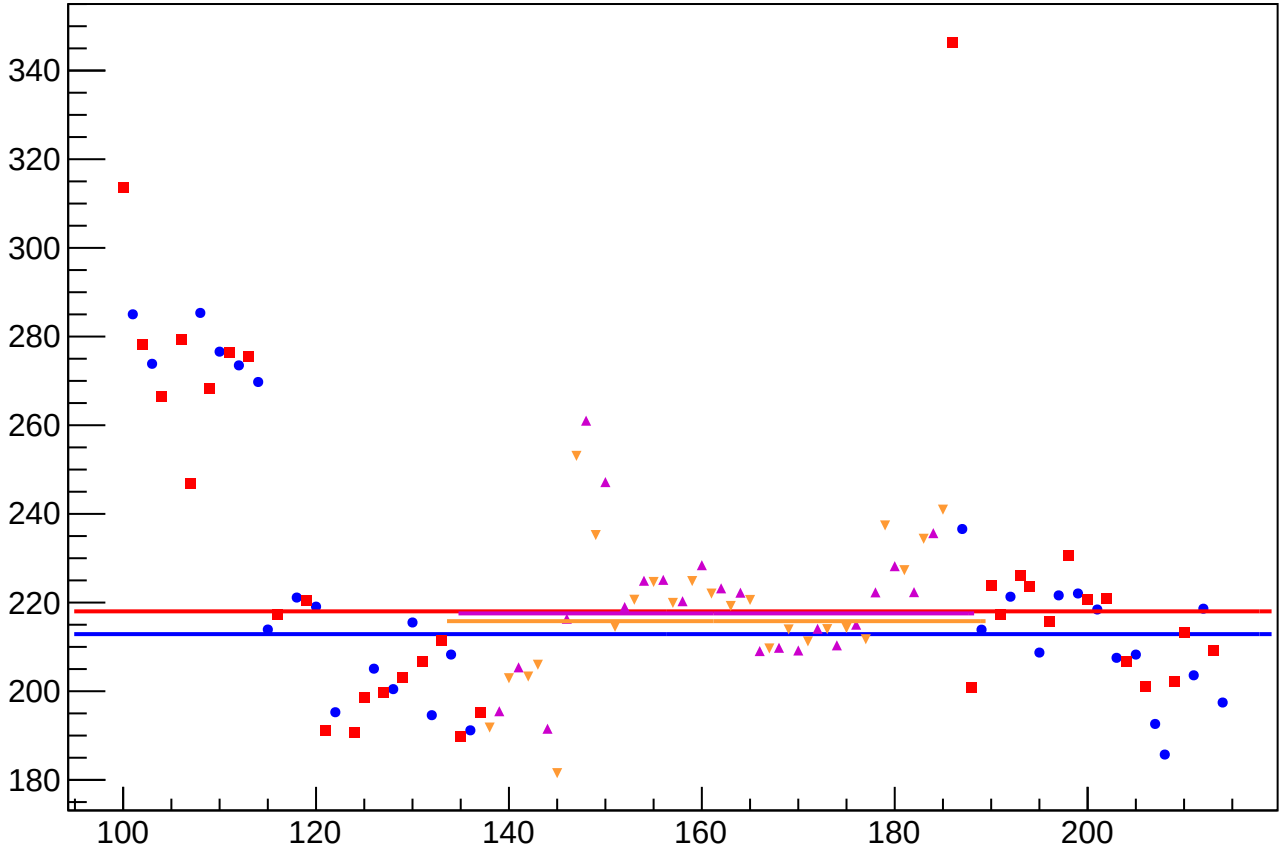
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -112.654+/-35.071 χ^2/NDF: 77.5/54

All: -13.167+/-25.065 χ^2/NDF: 164.7/111

- sign 90.705+/-35.835 χ^2/NDF: 70.8/56

dit_asym_sam_26_dd_rms vs Slug



Right In: 212.882+/-0.035 χ^2/NDF: 425421.5/29

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 218.018+/-0.036 χ^2/NDF: 503524.6/33

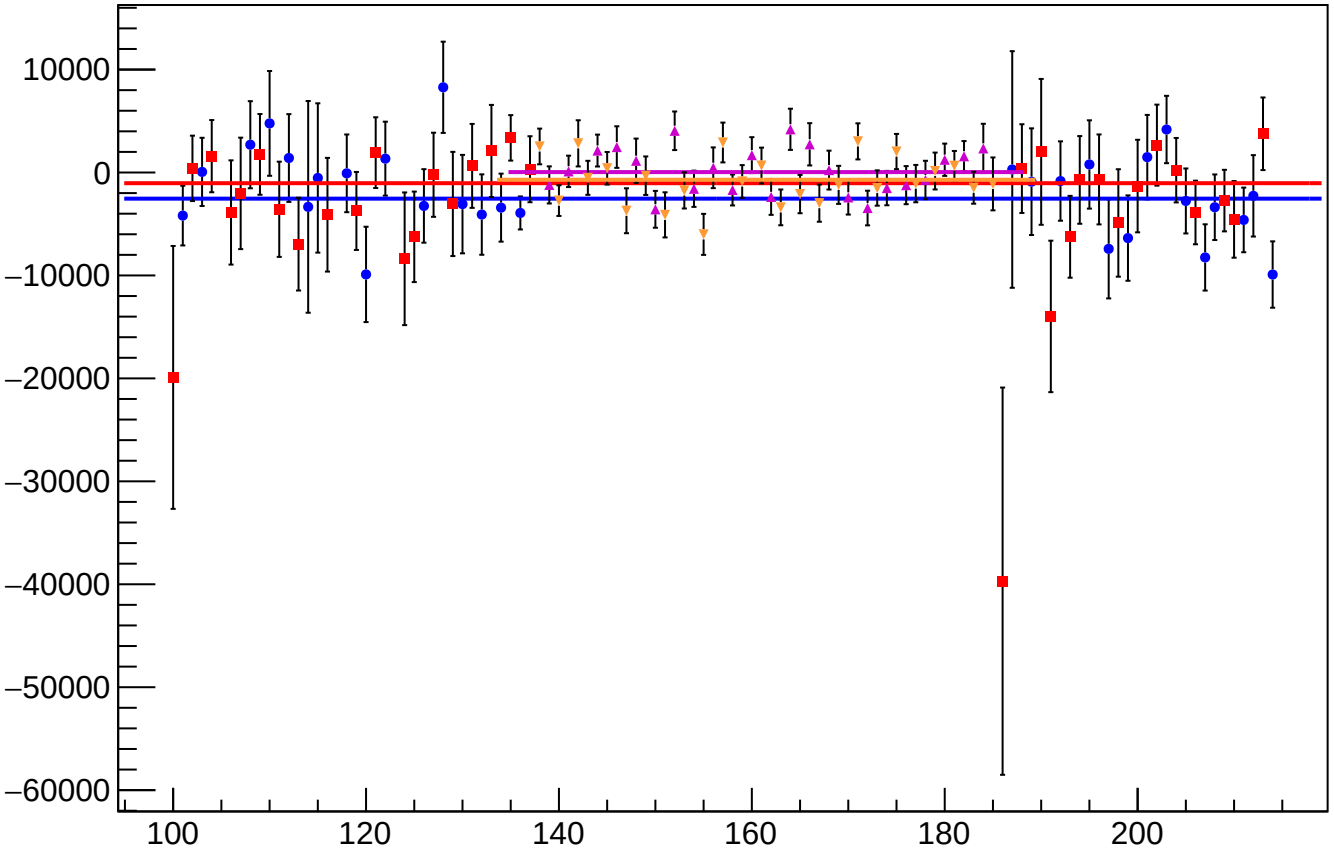
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 214.370+/-0.025 χ^2/NDF: 617597.4/54

All: 216.043+/-0.018 χ^2/NDF: 1291567.0/11

- sign 217.789+/-0.025 χ^2/NDF: 664674.5/56

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2539.830+/-662.404 χ^2/NDF: 33.5/29

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1038.424+/-692.893 χ^2/NDF: 30.0/33

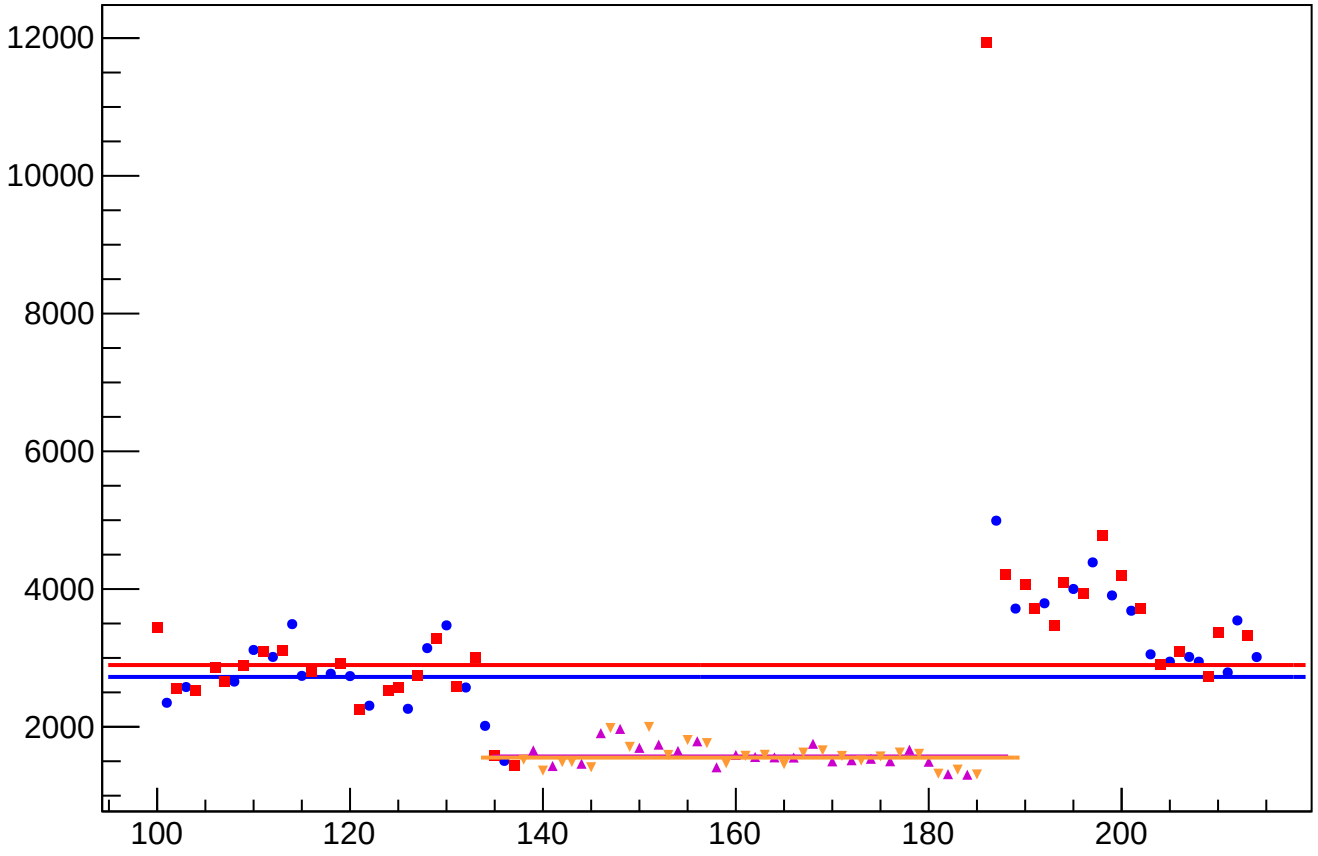
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1114.467+/-313.214 χ^2/NDF: 77.1/54

All: -674.205+/-225.730 χ^2/NDF: 147.4/111

- sign -198.414+/-325.607 χ^2/NDF: 66.2/56

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2724.124+/-0.468 χ^2/NDF: 2602323.7/29

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2896.831+/-0.490 χ^2/NDF: 2932642.0/33

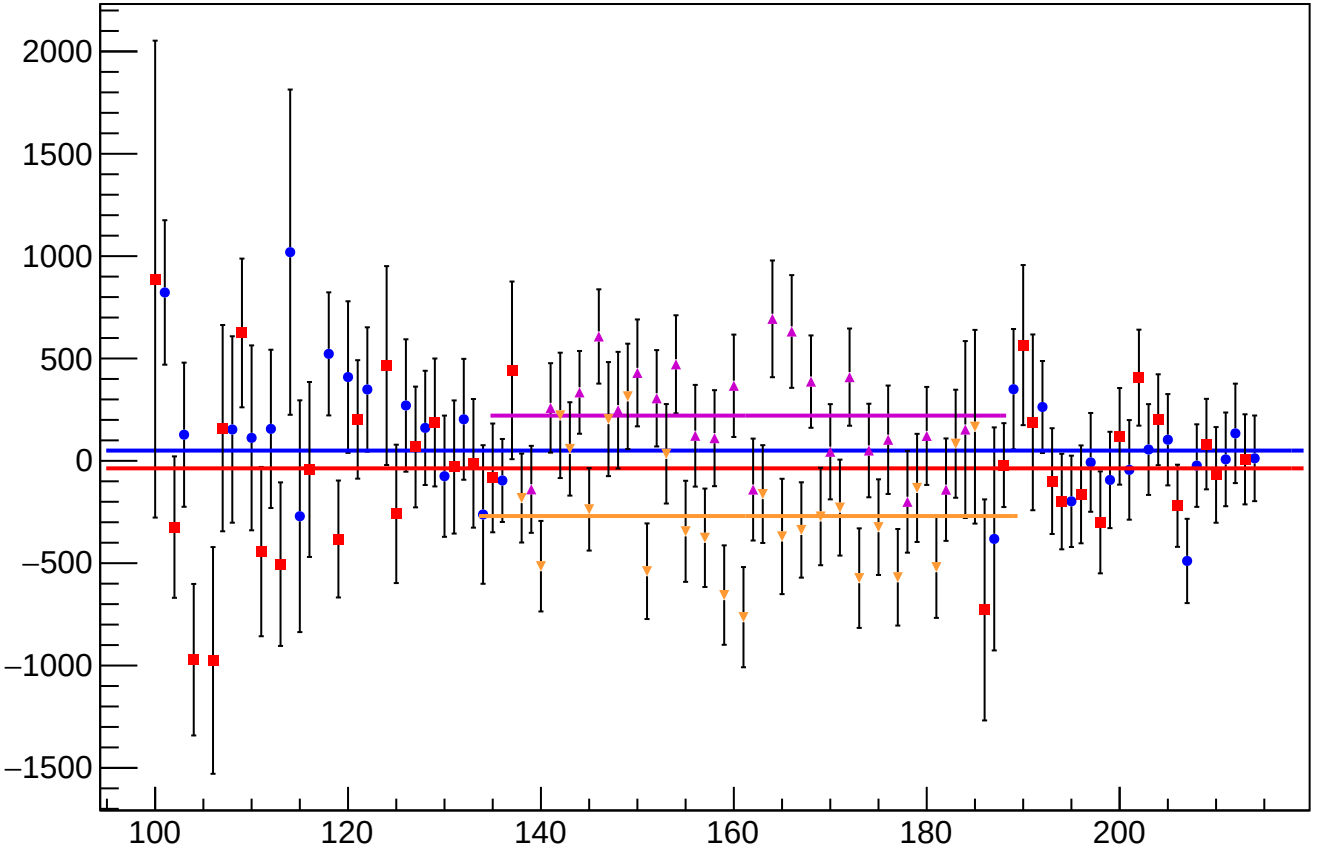
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1814.857+/-0.221 χ^2/NDF: 7865942.6/54

All: 1837.765+/-0.160 χ^2/NDF: 16897923.7/1

- sign 1862.522+/-0.230 χ^2/NDF: 9009720.7/56

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 50.124+/-50.050 χ^2/NDF: 25.2/29

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -36.726+/-50.407 χ^2/NDF: 34.5/33

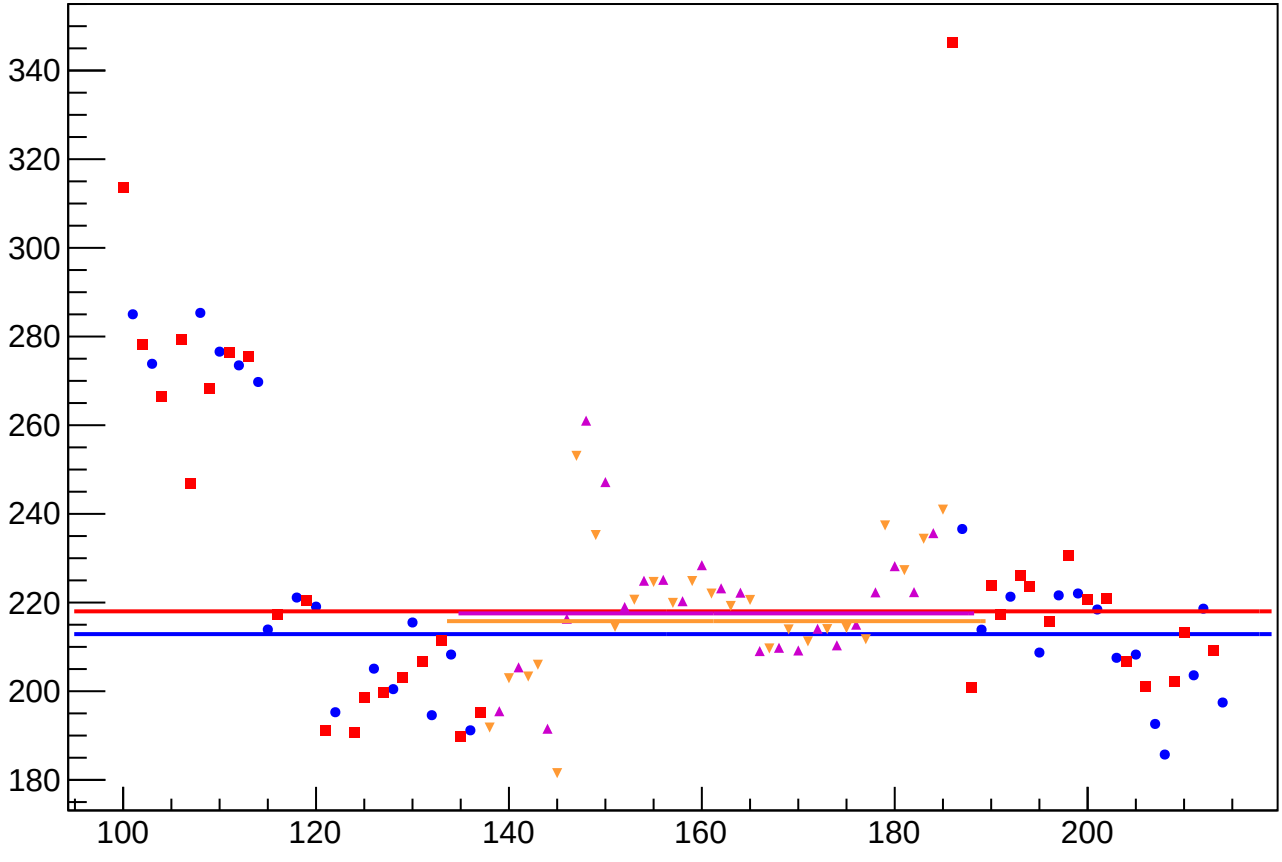
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -112.653+/-35.071 χ^2/NDF: 77.5/54

All: -13.166+/-25.065 χ^2/NDF: 164.7/111

- sign 90.705+/-35.835 χ^2/NDF: 70.8/56

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 212.881+/-0.035 χ^2/NDF: 425412.2/29

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

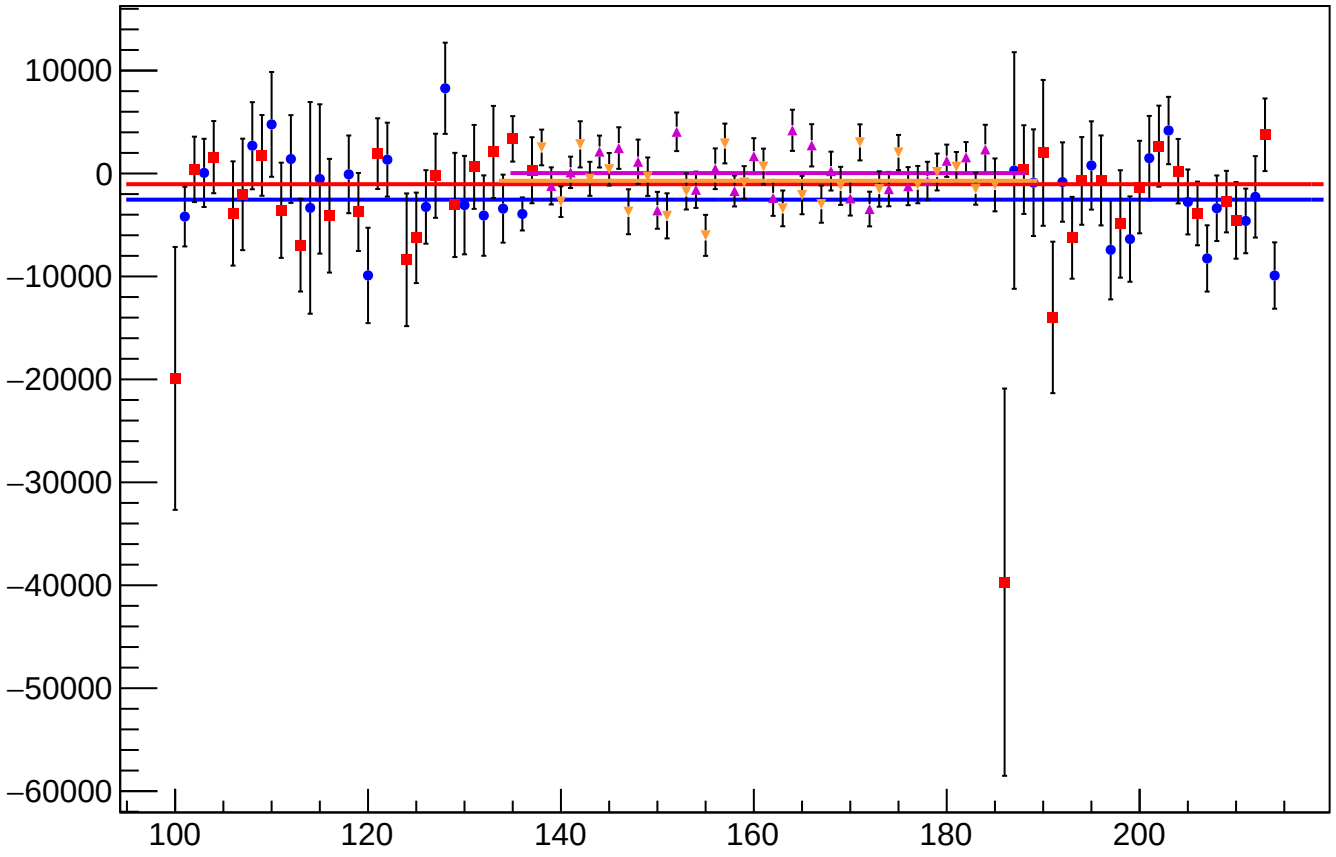
Right Out: 218.017+/-0.036 χ^2/NDF: 503506.4/33

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 214.370+/-0.025 χ^2/NDF: 617593.1/54

All: 216.042+/-0.018 χ^2/NDF: 1291547.1/111

- sign 217.788+/-0.025 χ^2/NDF: 664658.7/56



Right In: -2539.827+/-662.403 χ^2/NDF: 33.5/29

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1038.424+/-692.893 χ^2/NDF: 30.0/33

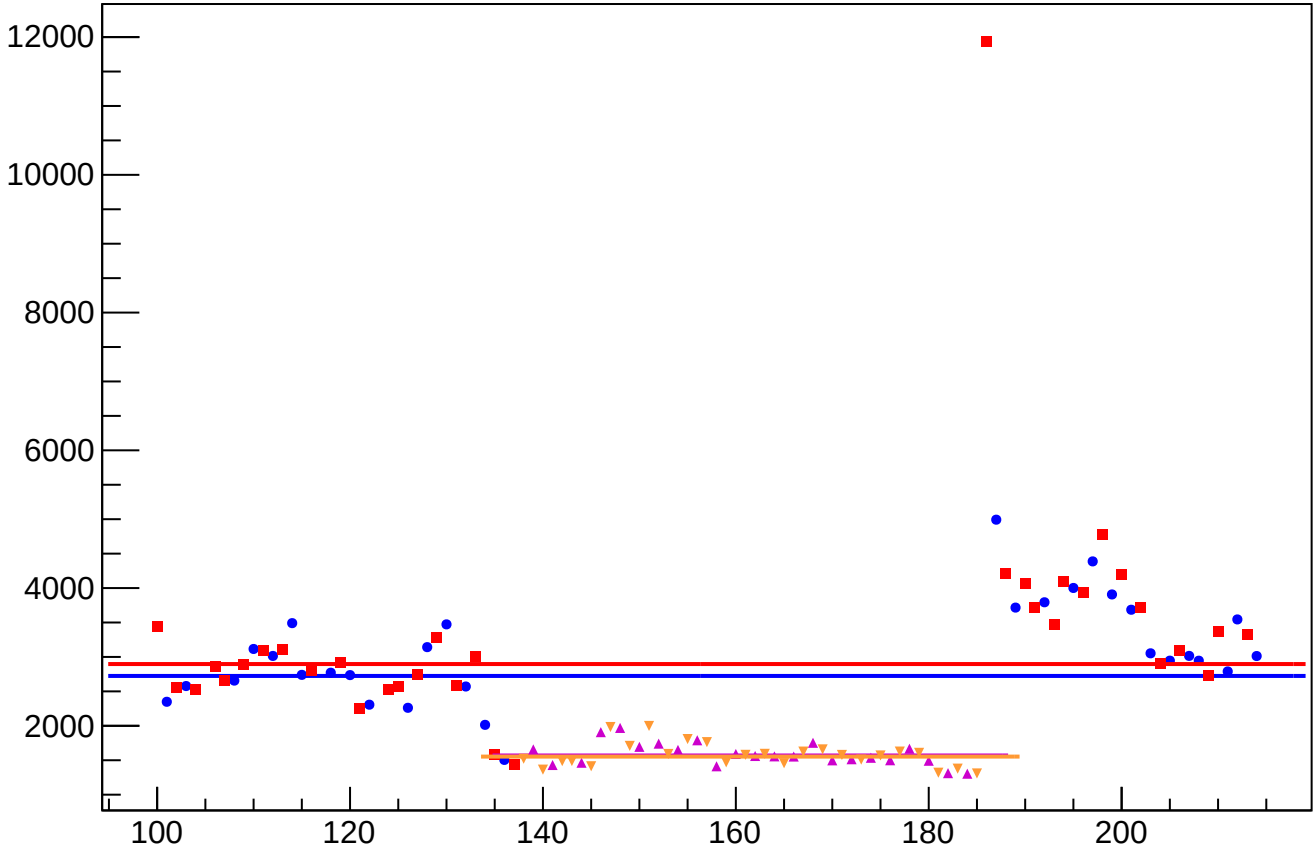
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1114.467+/-313.214 χ^2/NDF: 77.1/54

All: -674.206+/-225.730 χ^2/NDF: 147.4/111

- sign -198.415+/-325.607 χ^2/NDF: 66.2/56

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2724.122+/-0.468 χ^2/NDF: 2602322.1/29

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2896.828+/-0.490 χ^2/NDF: 2932645.1/33

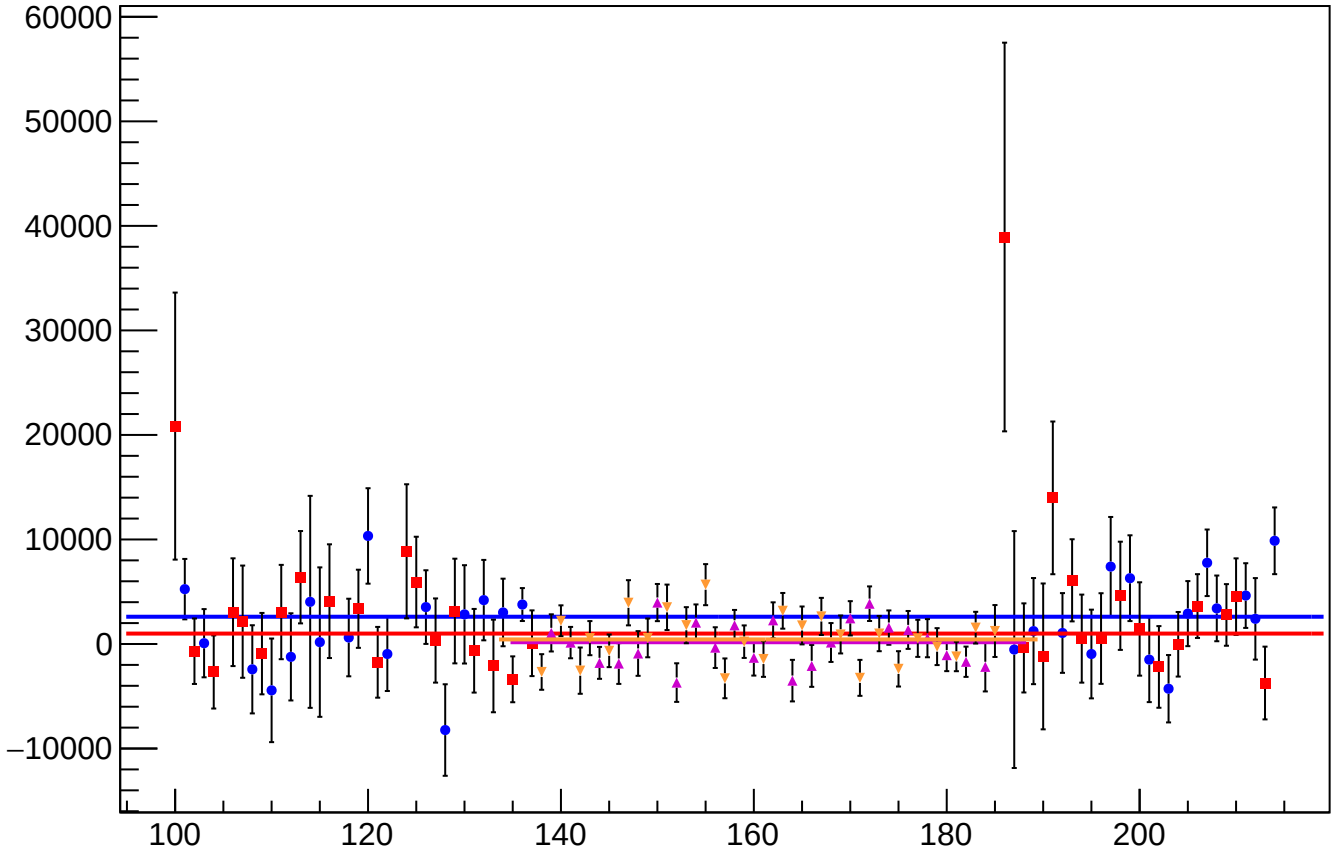
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1814.857+/-0.221 χ^2/NDF: 7865927.2/54

All: 1837.765+/-0.160 χ^2/NDF: 16897898.4/1

- sign 1862.521+/-0.230 χ^2/NDF: 9009711.1/56

asym_sam_26_dd_mean vs Slug



Right In: 2608.145+/-653.056 χ^2/NDF: 33.7/29

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 996.398+/-684.944 χ^2/NDF: 29.5/33

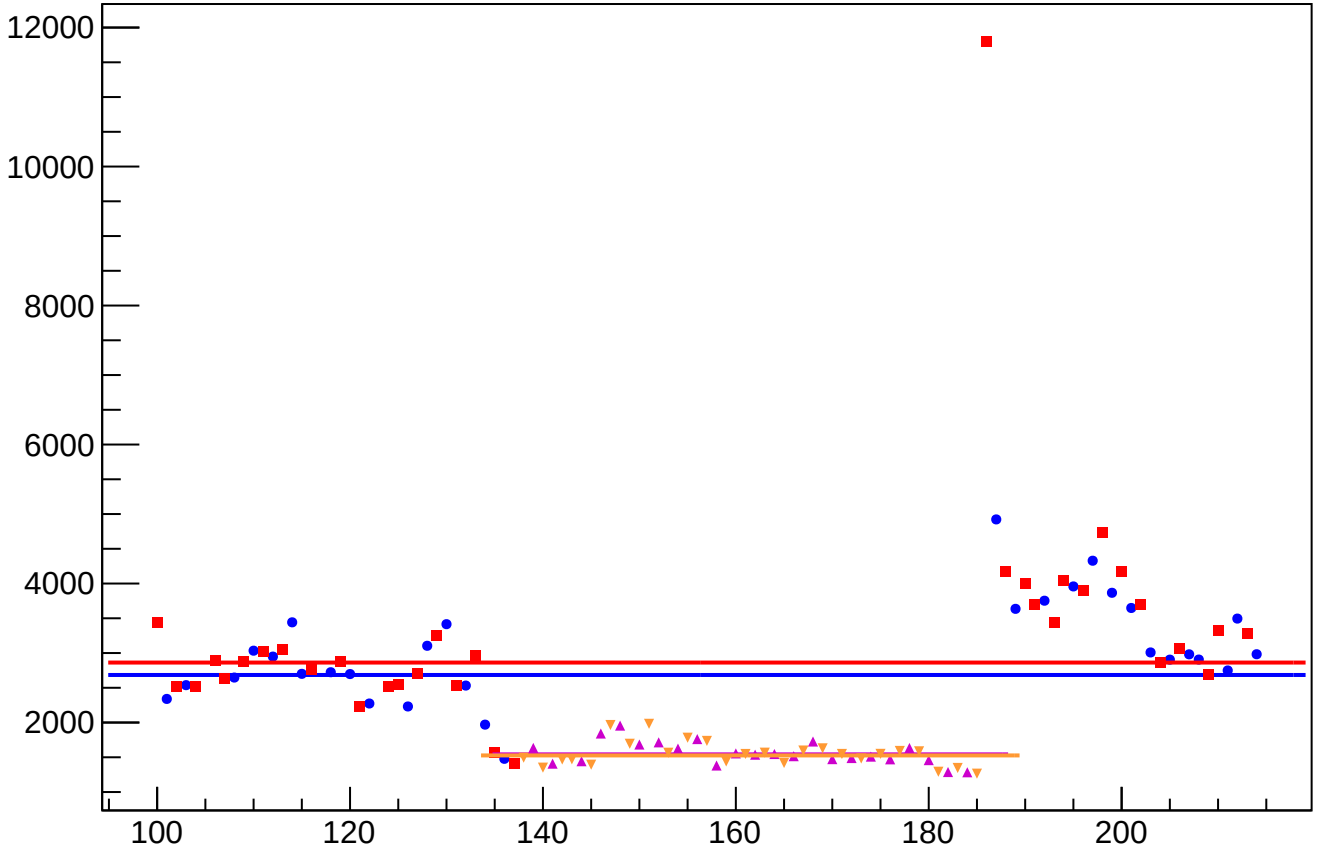
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 920.975+/-308.202 χ^2/NDF: 81.2/54

All: 646.939+/-222.129 χ^2/NDF: 146.4/111

- sign 350.727+/-320.430 χ^2/NDF: 63.6/56

asym_sam_26_dd_rms vs Slug



Right In: 2684.284+/-0.462 χ^2/NDF: 2628369.1/29

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2862.964+/-0.484 χ^2/NDF: 2940032.8/33

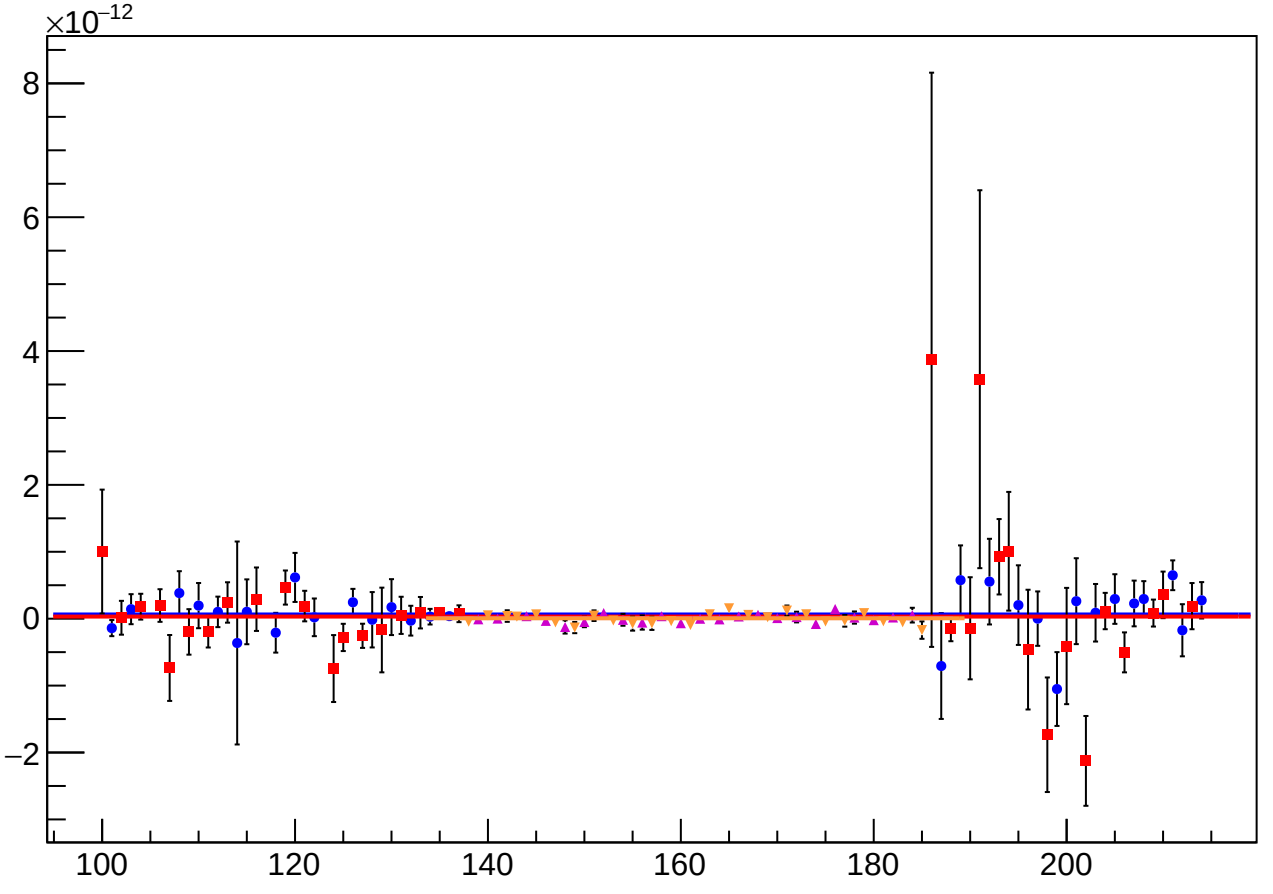
Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

+ sign 1784.543+/-0.218 χ^2/NDF: 7941989.3/54

All: 1807.015+/-0.157 χ^2/NDF: 17074893.8/1

- sign 1831.305+/-0.227 χ^2/NDF: 9110779.6/56

asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

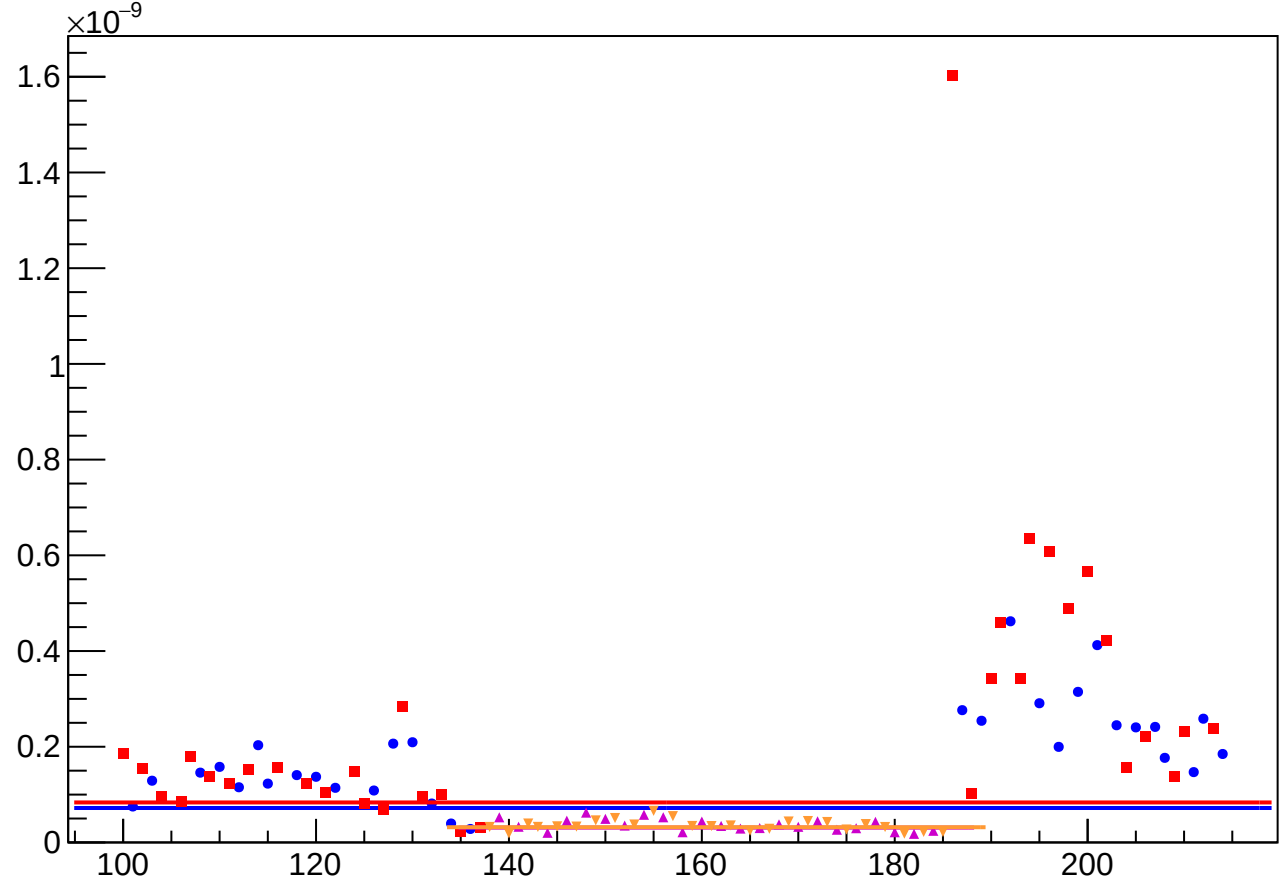
Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/33

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.1/54

All: 0.000+/-0.000 χ^2/NDF: 120.4/111

- sign 0.000+/-0.000 χ^2/NDF: 62.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8227892.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8388461.8/33

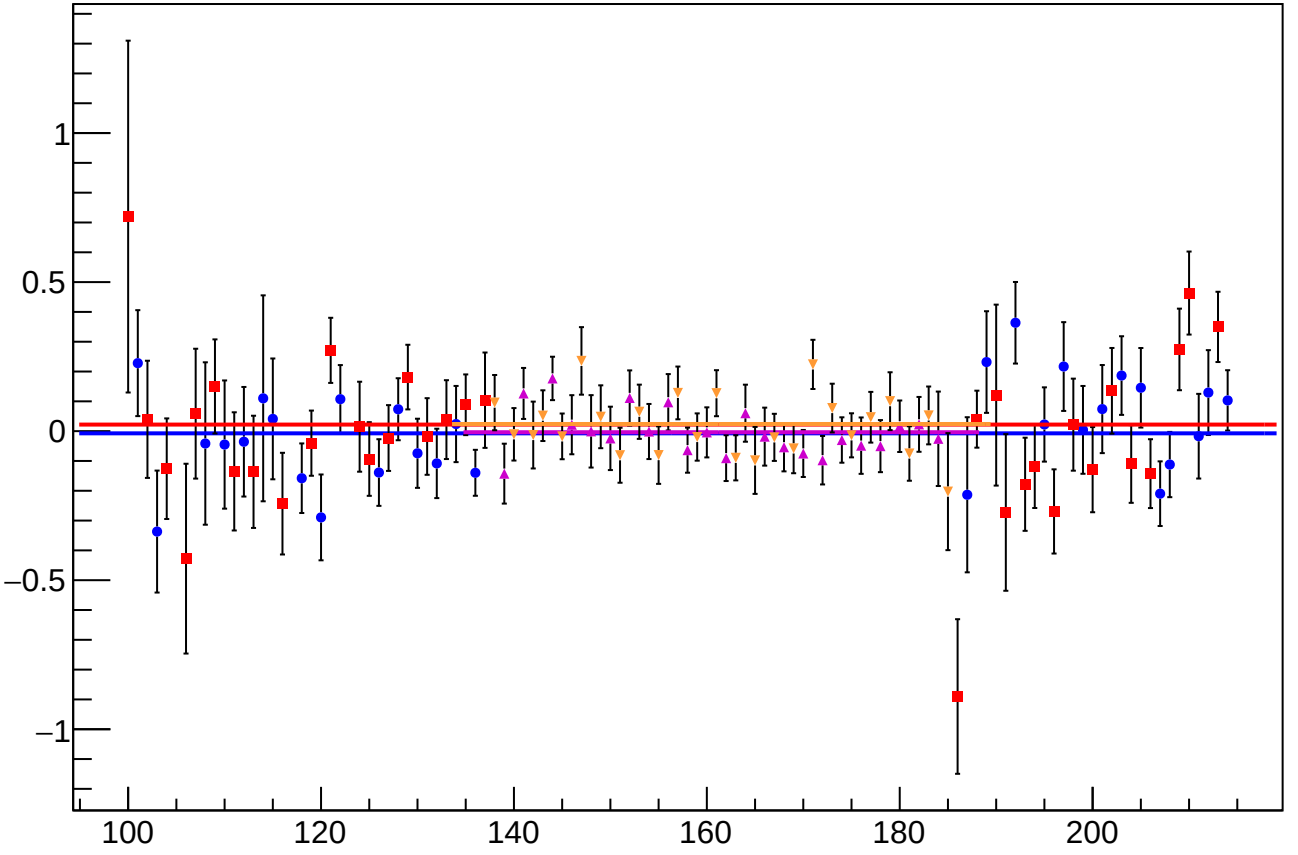
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11907781.1/54

All: 0.000+/-0.000 χ^2/NDF: 25098384.0/111

- sign 0.000+/-0.000 χ^2/NDF: 13189002.1/56

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.024 χ^2/NDF: 39.7/29

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.022+/-0.025 χ^2/NDF: 64.8/33

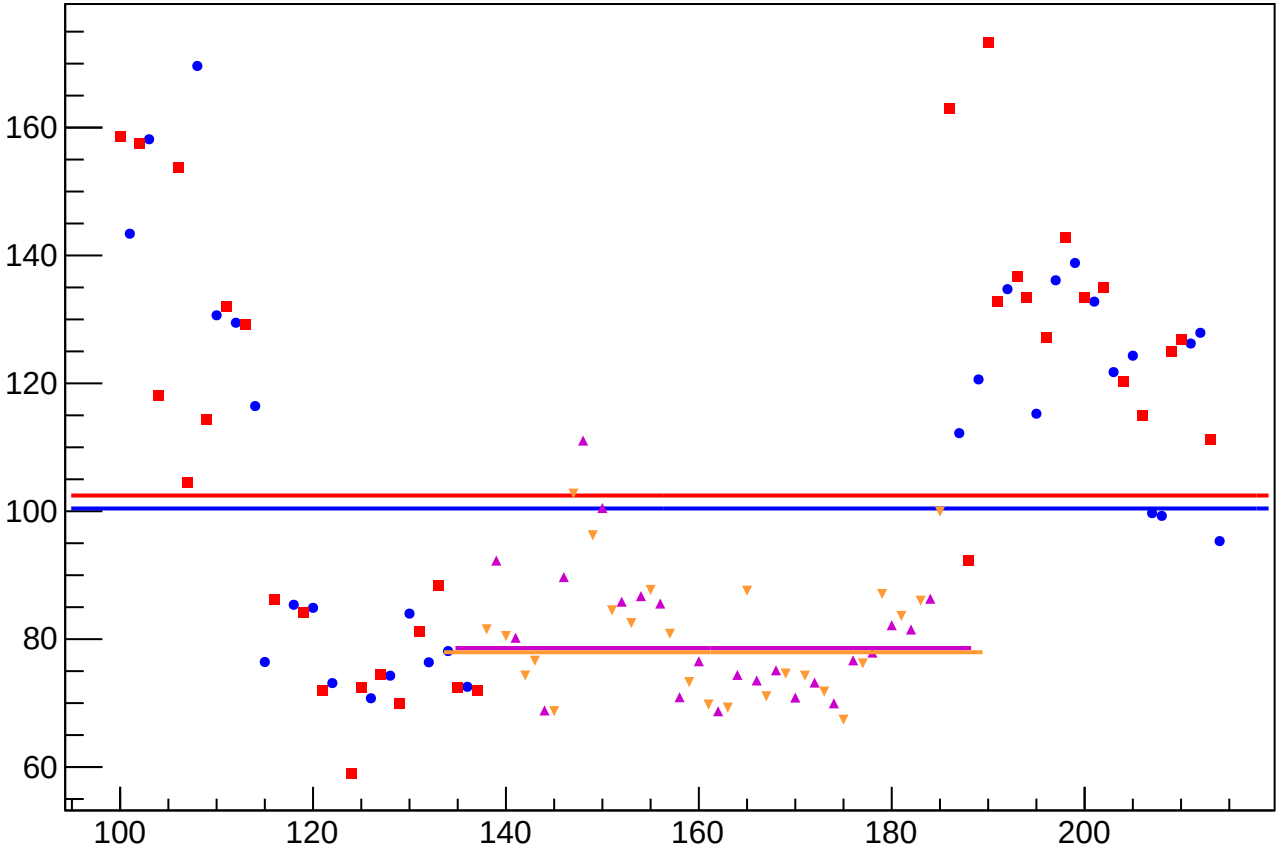
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.014 χ^2/NDF: 66.4/54

All: 0.009+/-0.010 χ^2/NDF: 150.8/111

- sign 0.006+/-0.015 χ^2/NDF: 84.3/56

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 100.435+/-0.017 χ^2/NDF: 2208257.8/29

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

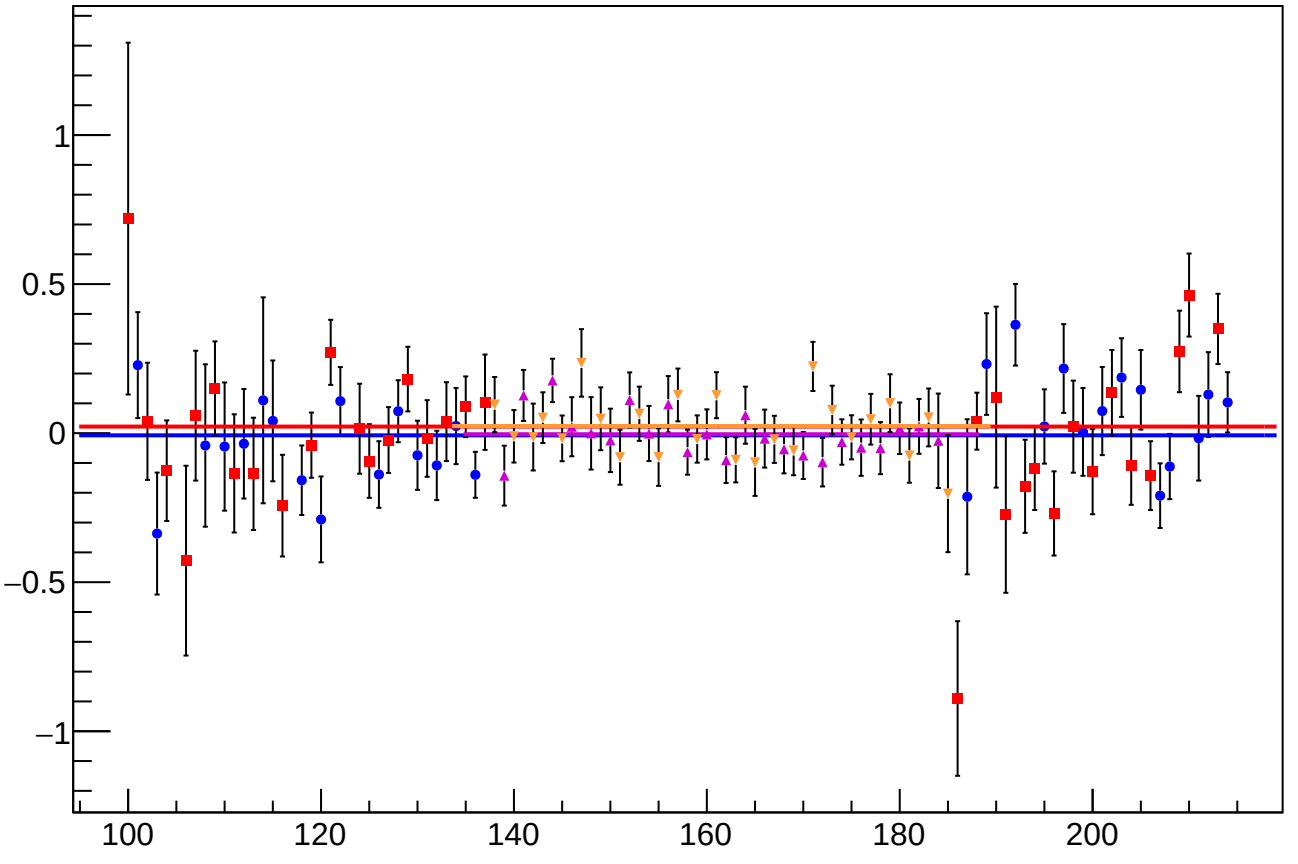
Right Out: 102.461+/-0.017 χ^2/NDF: 2528296.5/33

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 85.809+/-0.010 χ^2/NDF: 3755086.7/54

All: 86.534+/-0.007 χ^2/NDF: 7993362.5/111

\- sign 87.300+/-0.010 χ^2/NDF: 4227864.0/56



Right In: -0.007+/-0.024 χ^2/NDF: 39.7/29

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

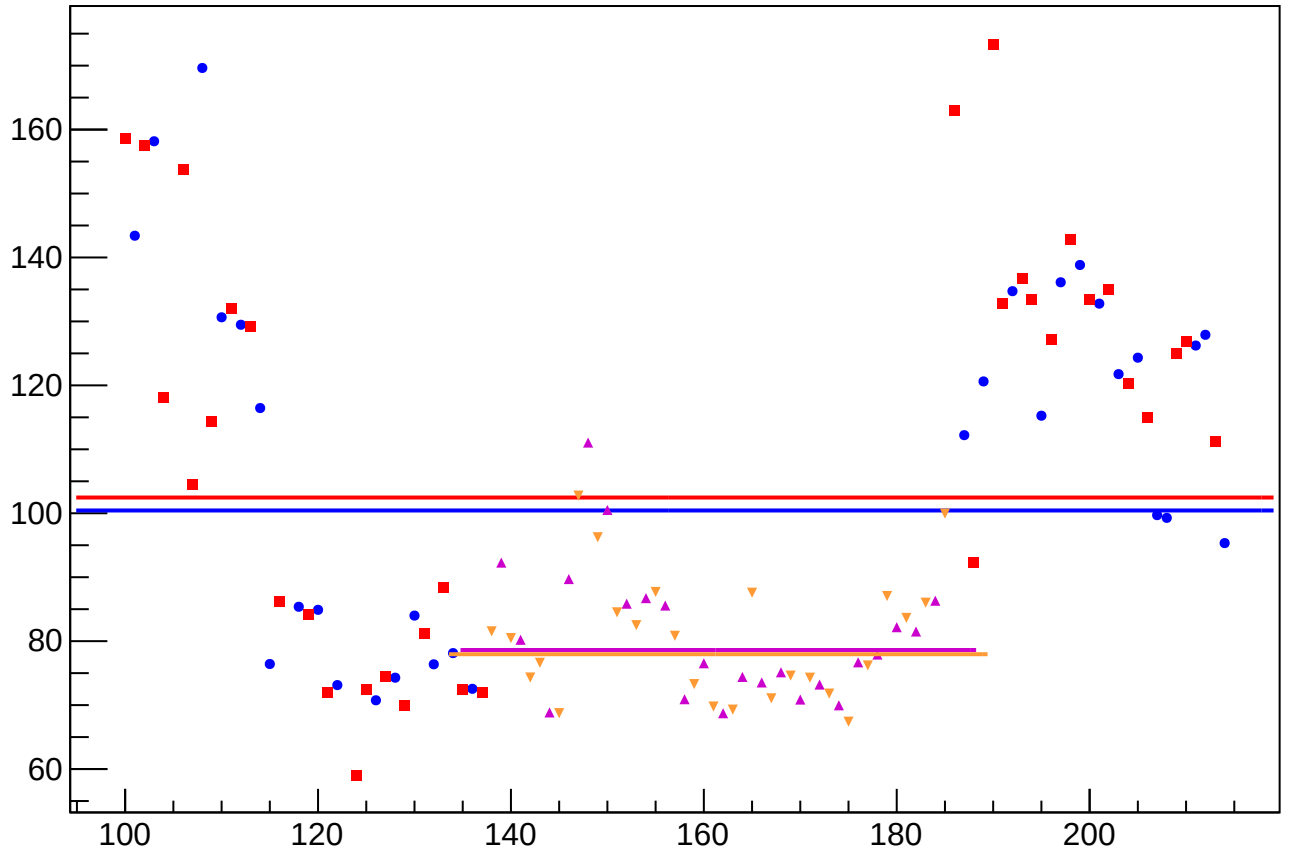
Right Out: 0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.014 χ^2/NDF: 66.4/54

All: 0.009+/-0.010 χ^2/NDF: 150.8/111

- sign 0.006+/-0.015 χ^2/NDF: 84.3/56



Right In: 100.435+/-0.017 χ^2/NDF: 2208257.8/29

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

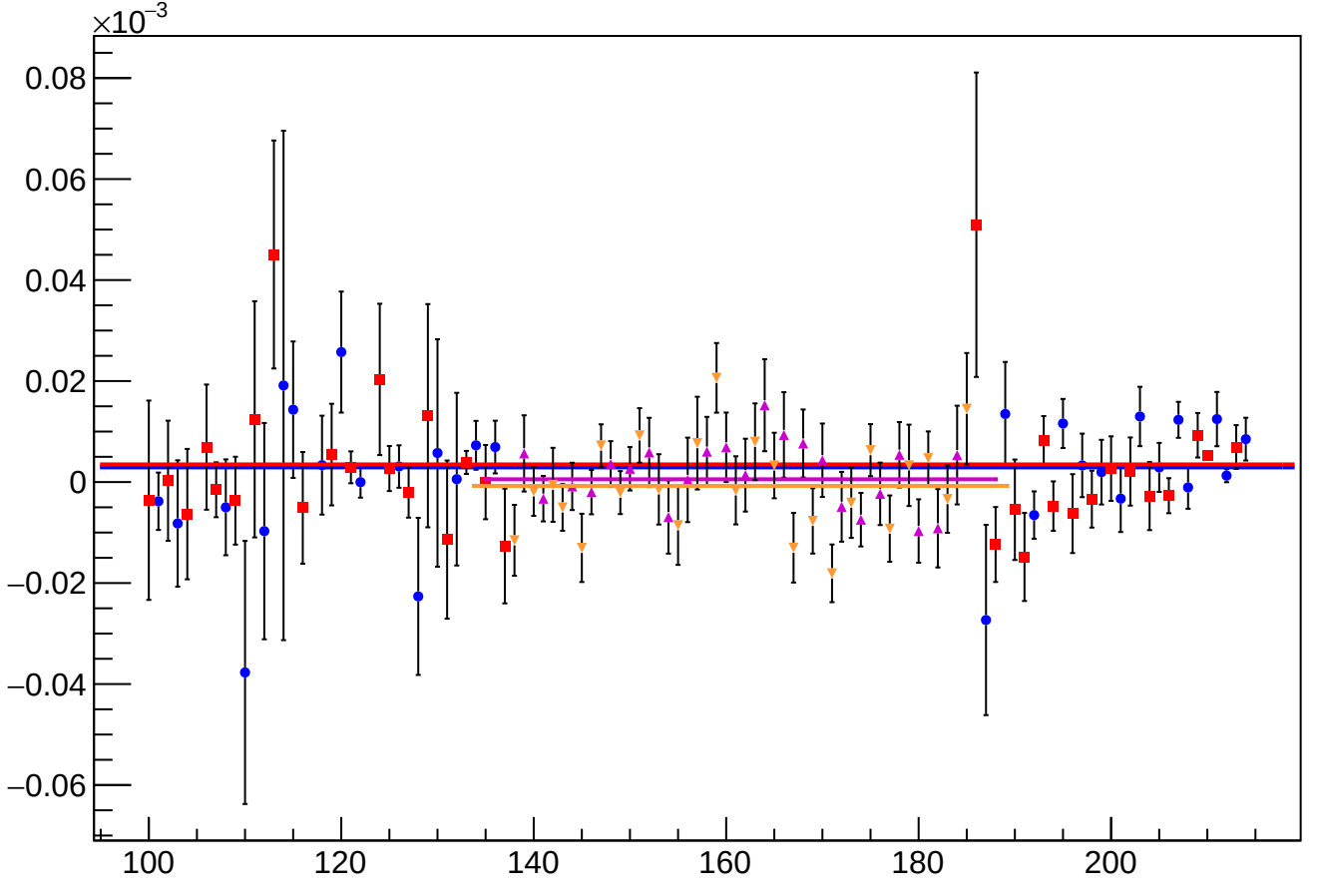
Right Out: 102.461+/-0.017 χ^2/NDF: 2528296.5/33

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

\+ sign 85.809+/-0.010 χ^2/NDF: 3755086.7/54

All: 86.534+/-0.007 χ^2/NDF: 7993362.5/111

\- sign 87.300+/-0.010 χ^2/NDF: 4227864.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 44.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

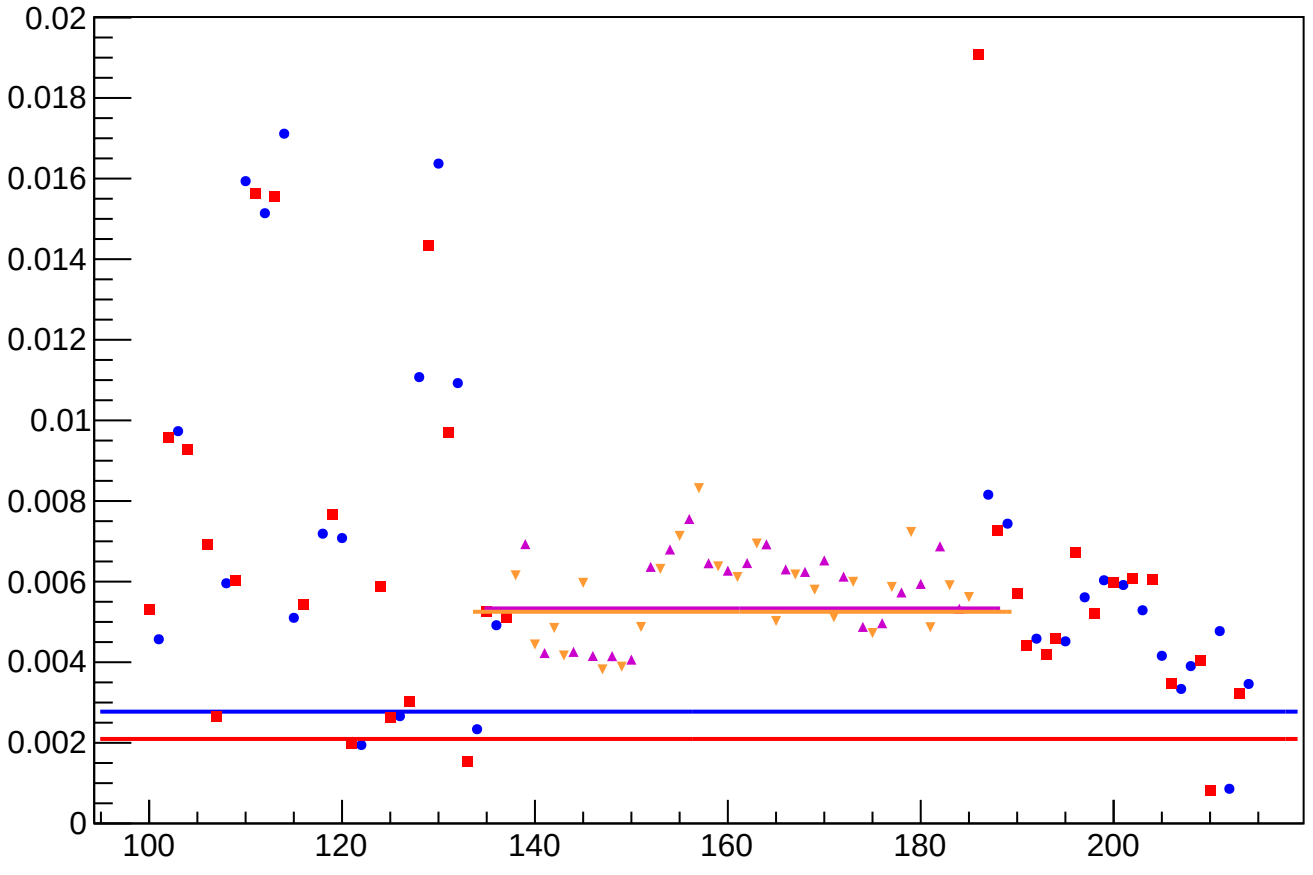
Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/33

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.8/54

All: 0.000+/-0.000 χ^2/NDF: 163.5/111

- sign 0.000+/-0.000 χ^2/NDF: 64.2/56



Right In: 0.003+/-0.000 χ^2/NDF: 13192099.4/29

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

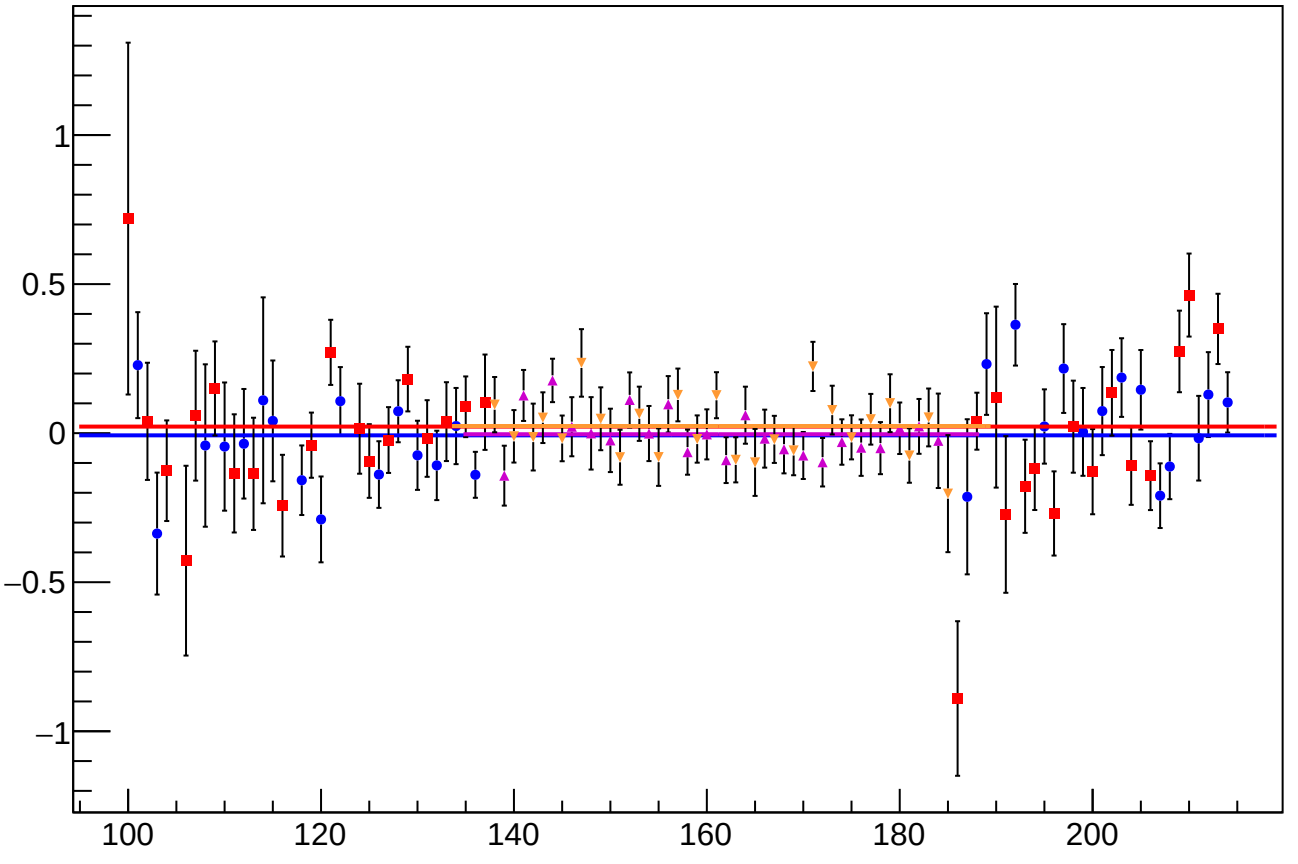
Right Out: 0.002+/-0.000 χ^2/NDF: 17421365.8/33

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20228839.8/54

All: 0.003+/-0.000 χ^2/NDF: 50463191.8/111

- sign 0.003+/-0.000 χ^2/NDF: 28864547.4/56



Right In: -0.007+/-0.024 χ^2/NDF: 39.7/29

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

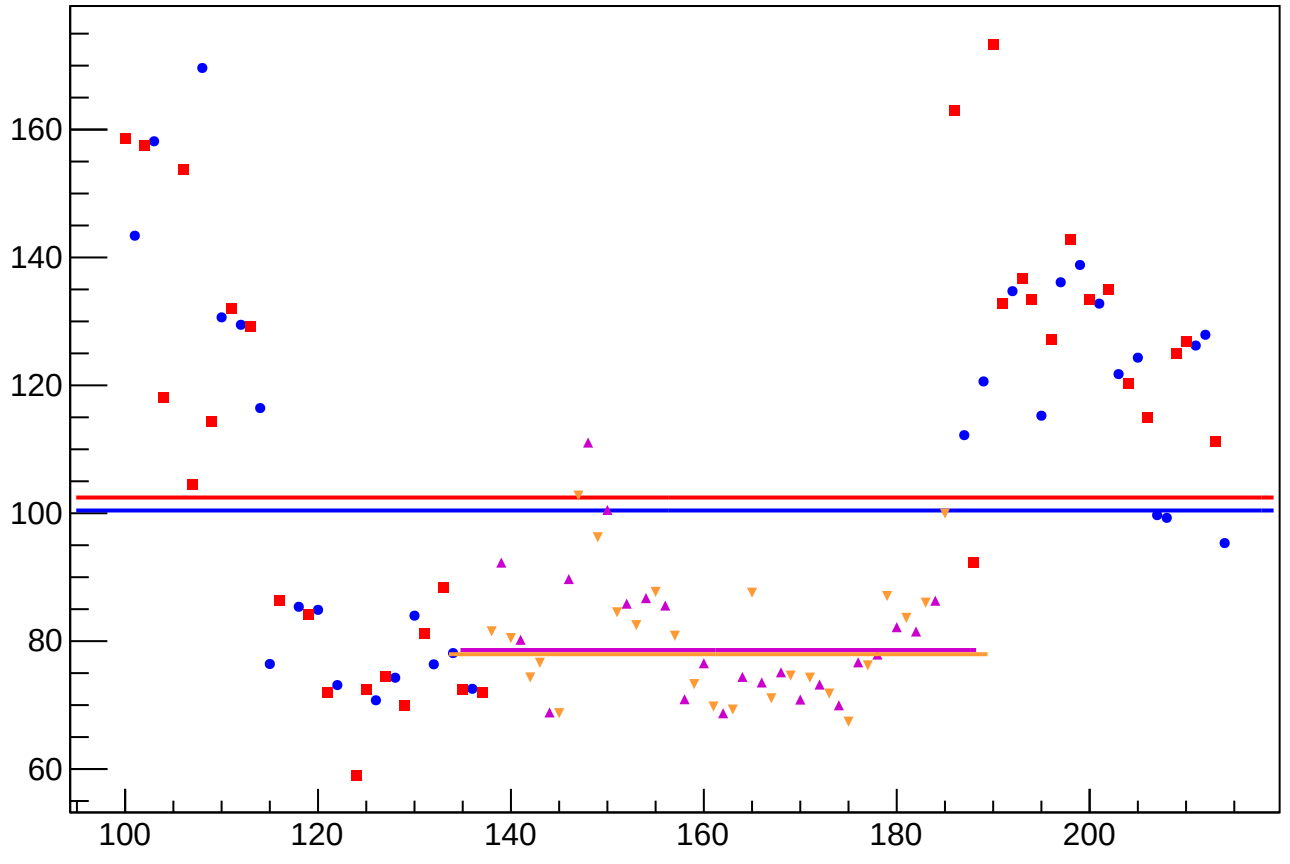
Right Out: 0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.014 χ^2/NDF: 66.4/54

All: 0.009+/-0.010 χ^2/NDF: 150.8/111

- sign 0.006+/-0.015 χ^2/NDF: 84.3/56



Right In: 100.433+/-0.017 χ^2/NDF: 2208398.9/29

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

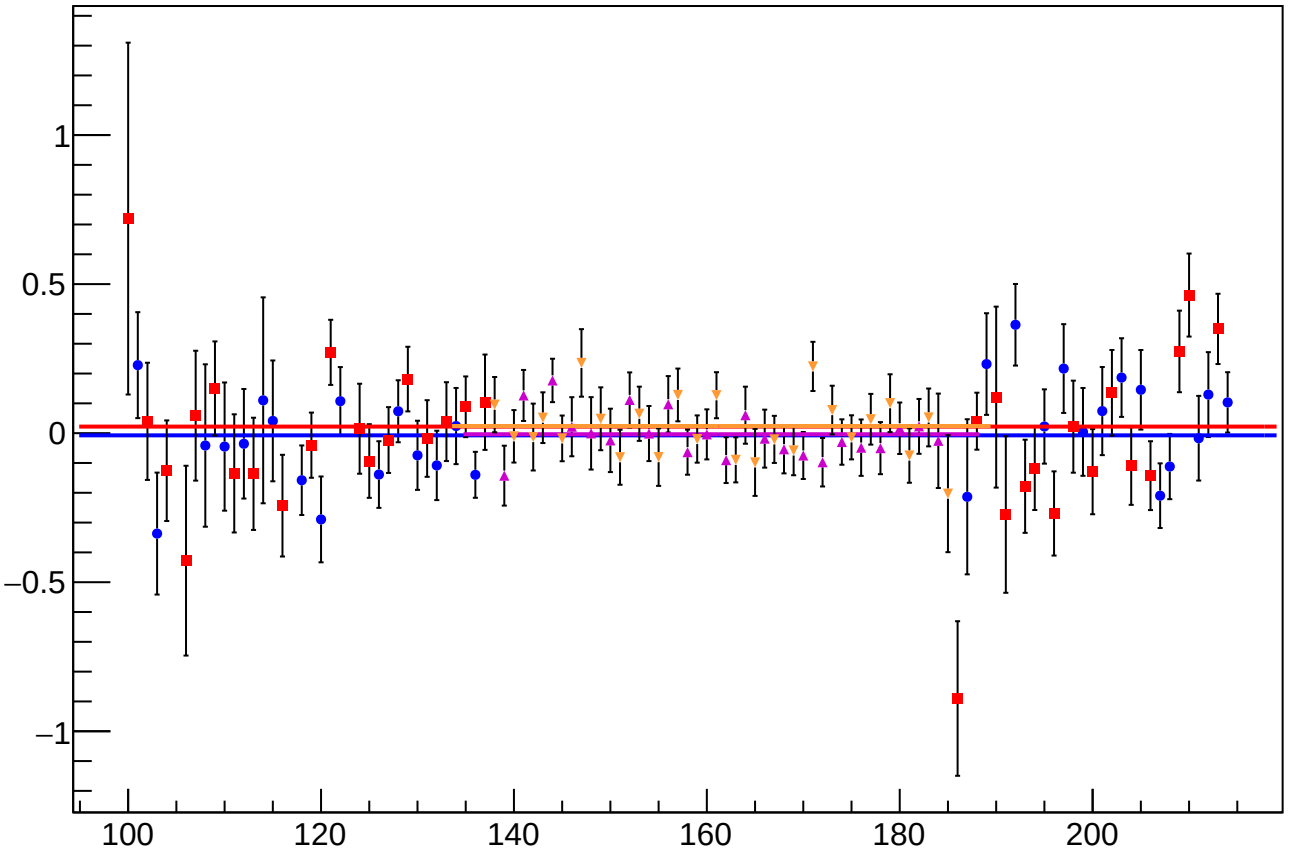
Right Out: 102.459+/-0.017 χ^2/NDF: 2528421.0/33

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 85.809+/-0.010 χ^2/NDF: 3755149.2/54

All: 86.533+/-0.007 χ^2/NDF: 7993509.1/111

\- sign 87.299+/-0.010 χ^2/NDF: 4227950.7/56



Right In: -0.007+/-0.024 χ^2/NDF: 39.7/29

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

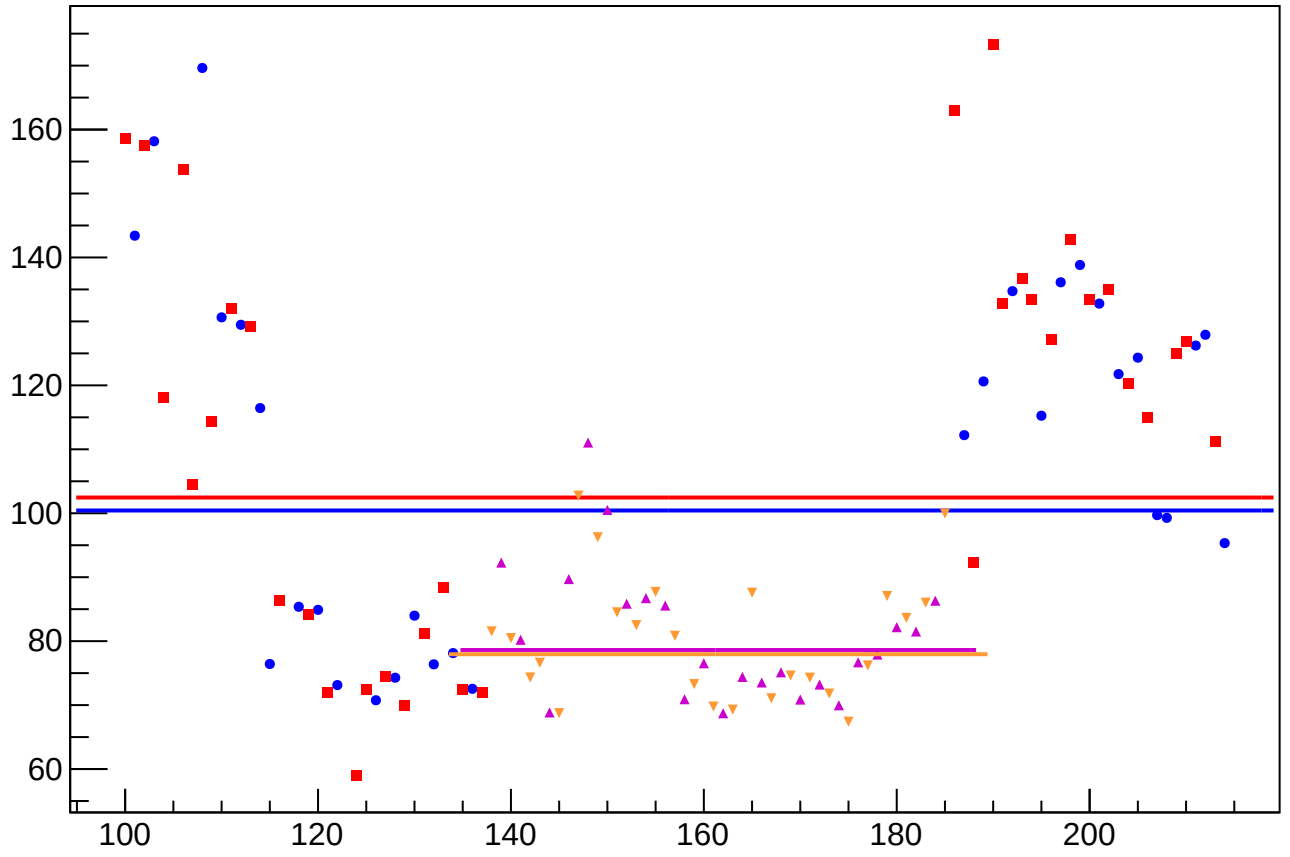
Right Out: 0.022+/-0.025 χ^2/NDF: 64.8/33

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.013+/-0.014 χ^2/NDF: 66.4/54

All: 0.009+/-0.010 χ^2/NDF: 150.8/111

- sign 0.006+/-0.015 χ^2/NDF: 84.3/56



Right In: 100.433+/-0.017 χ^2/NDF: 2208398.9/29

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

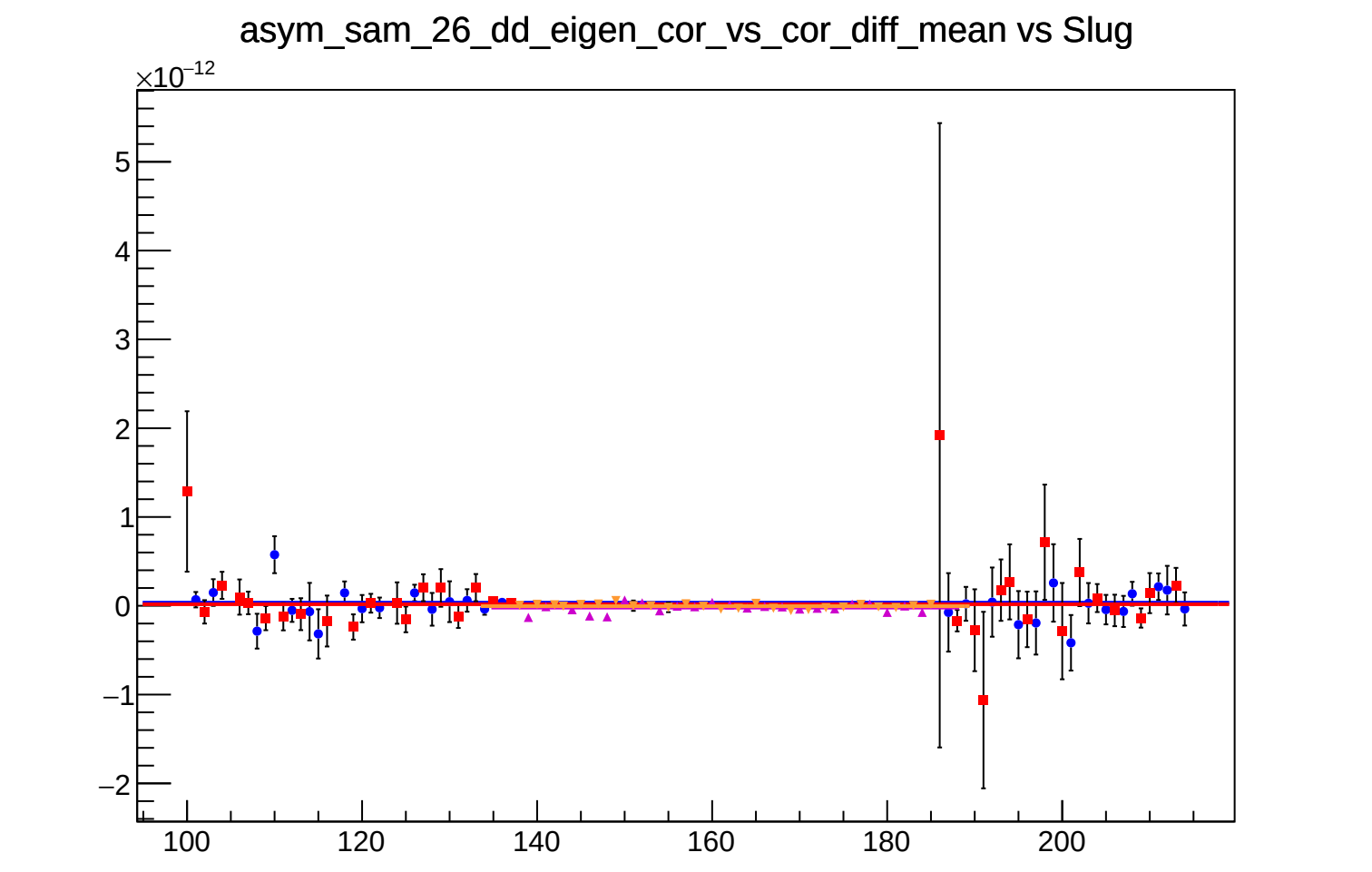
Right Out: 102.459+/-0.017 χ^2/NDF: 2528421.0/33

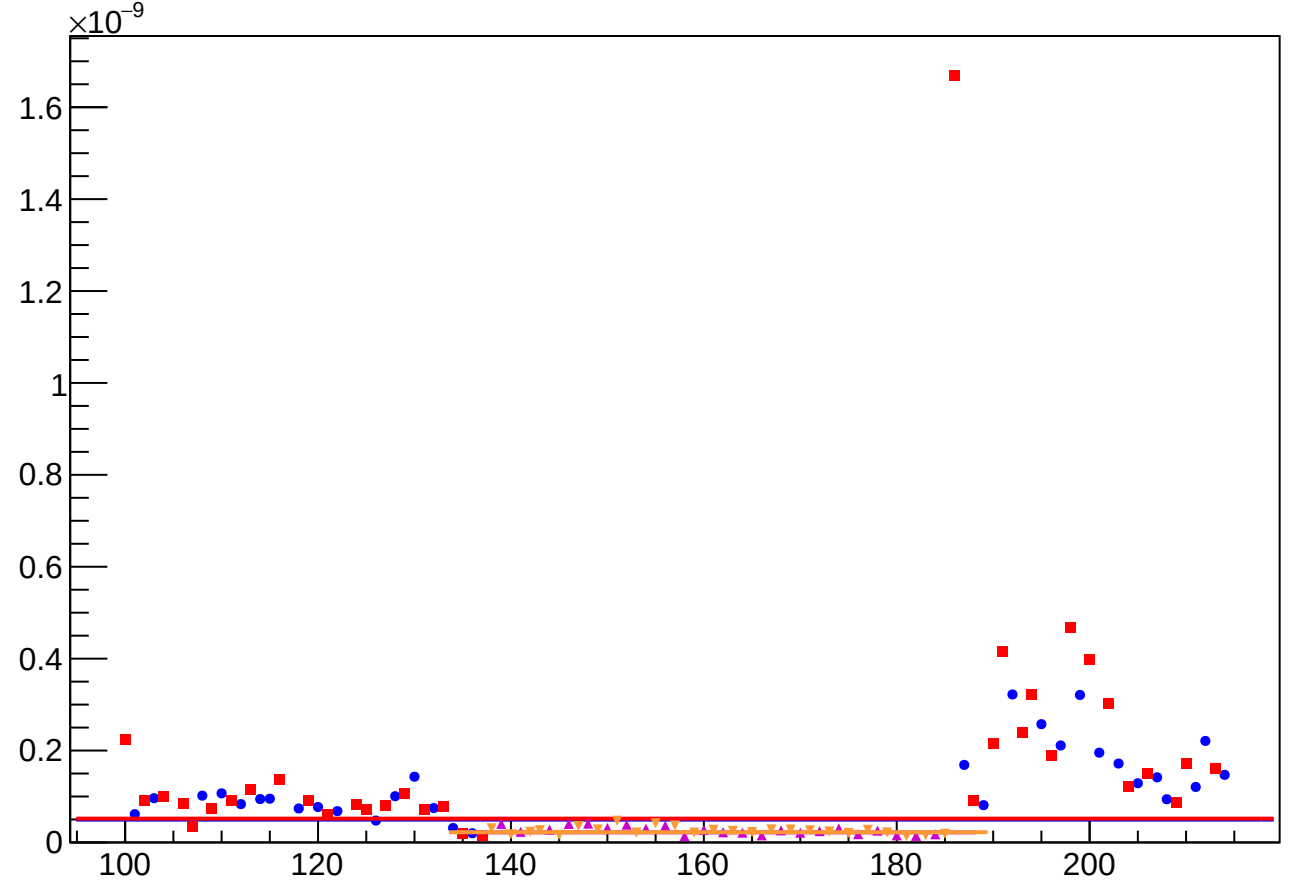
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 85.809+/-0.010 χ^2/NDF: 3755149.2/54

All: 86.533+/-0.007 χ^2/NDF: 7993509.1/111

- sign 87.299+/-0.010 χ^2/NDF: 4227950.7/56


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 22.6/29
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/33
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 39.4/54
All: -0.000+/-0.000 χ²/NDF: 115.9/111
- sign -0.000+/-0.000 χ²/NDF: 72.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 11090844.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12700500.0/33

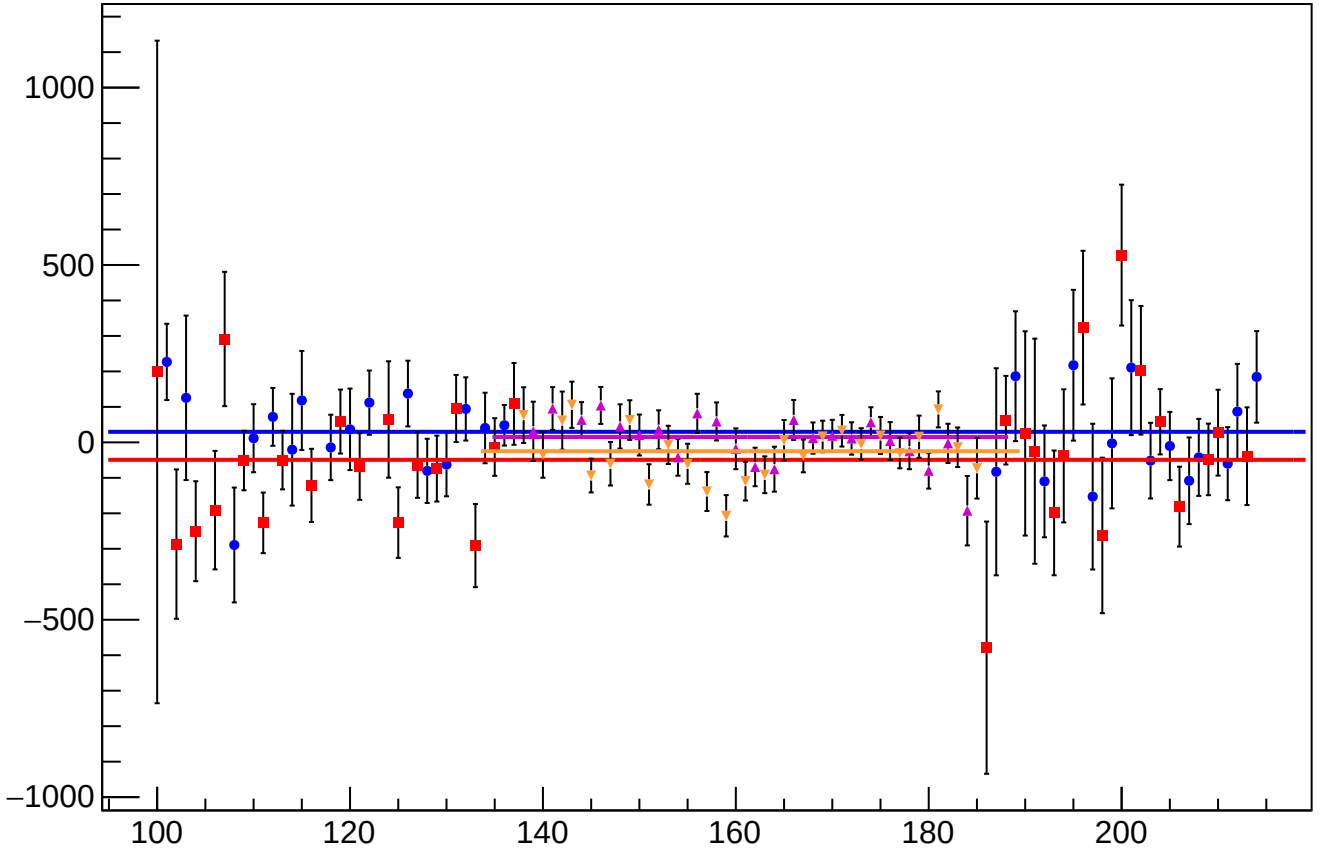
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17025020.8/54

All: 0.000+/-0.000 χ^2/NDF: 36335414.0/111

- sign 0.000+/-0.000 χ^2/NDF: 19309879.5/56

reg_asym_sam_37_dd_mean vs Slug



Right In: 29.761+/-20.207 χ^2/NDF: 22.8/29

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.227+/-20.645 χ^2/NDF: 47.3/33

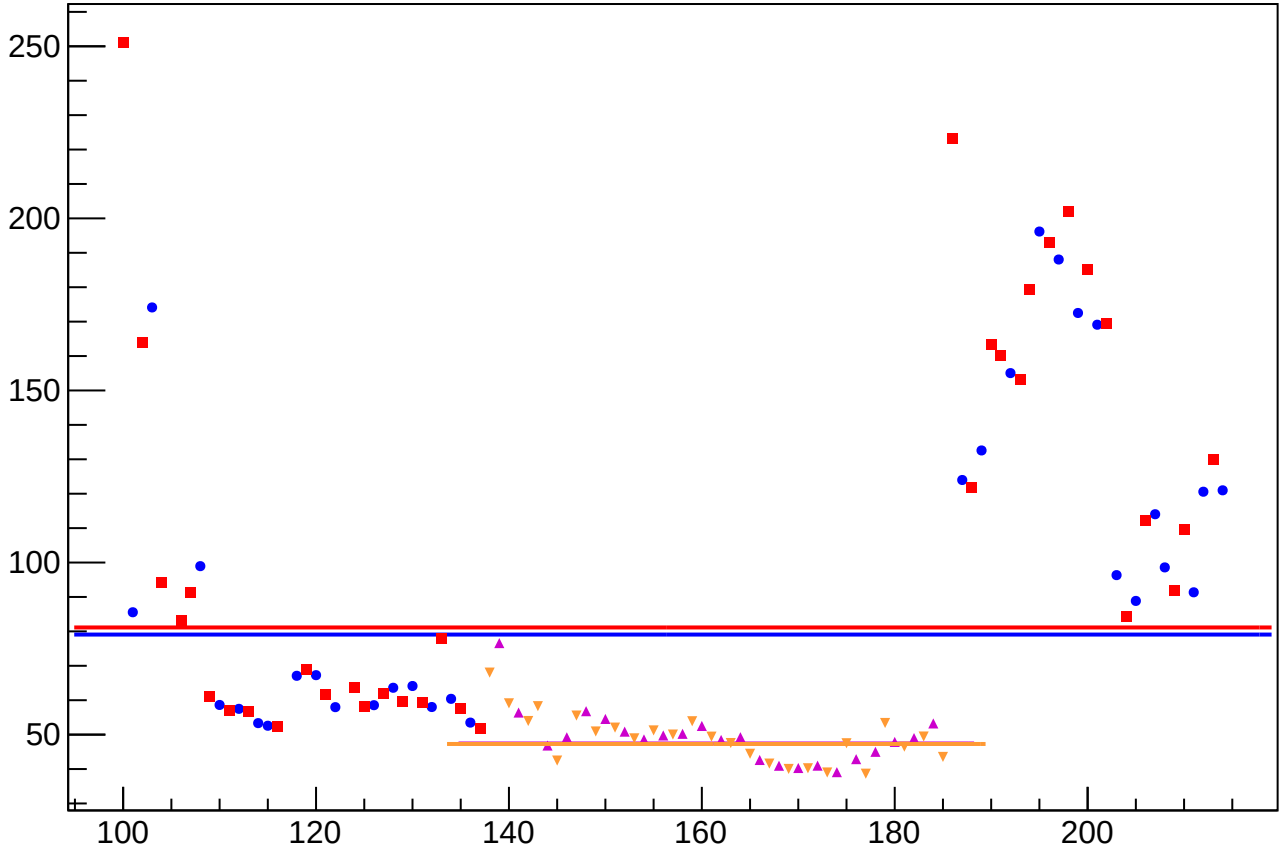
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -12.670+/-9.585 χ^2/NDF: 71.6/54

All: -6.340+/-6.872 χ^2/NDF: 152.0/111

- sign 0.355+/-9.857 χ^2/NDF: 79.5/56

reg_asym_sam_37_dd_rms vs Slug



Right In: 79.073+/-0.014 χ^2/NDF: 5241359.1/29

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

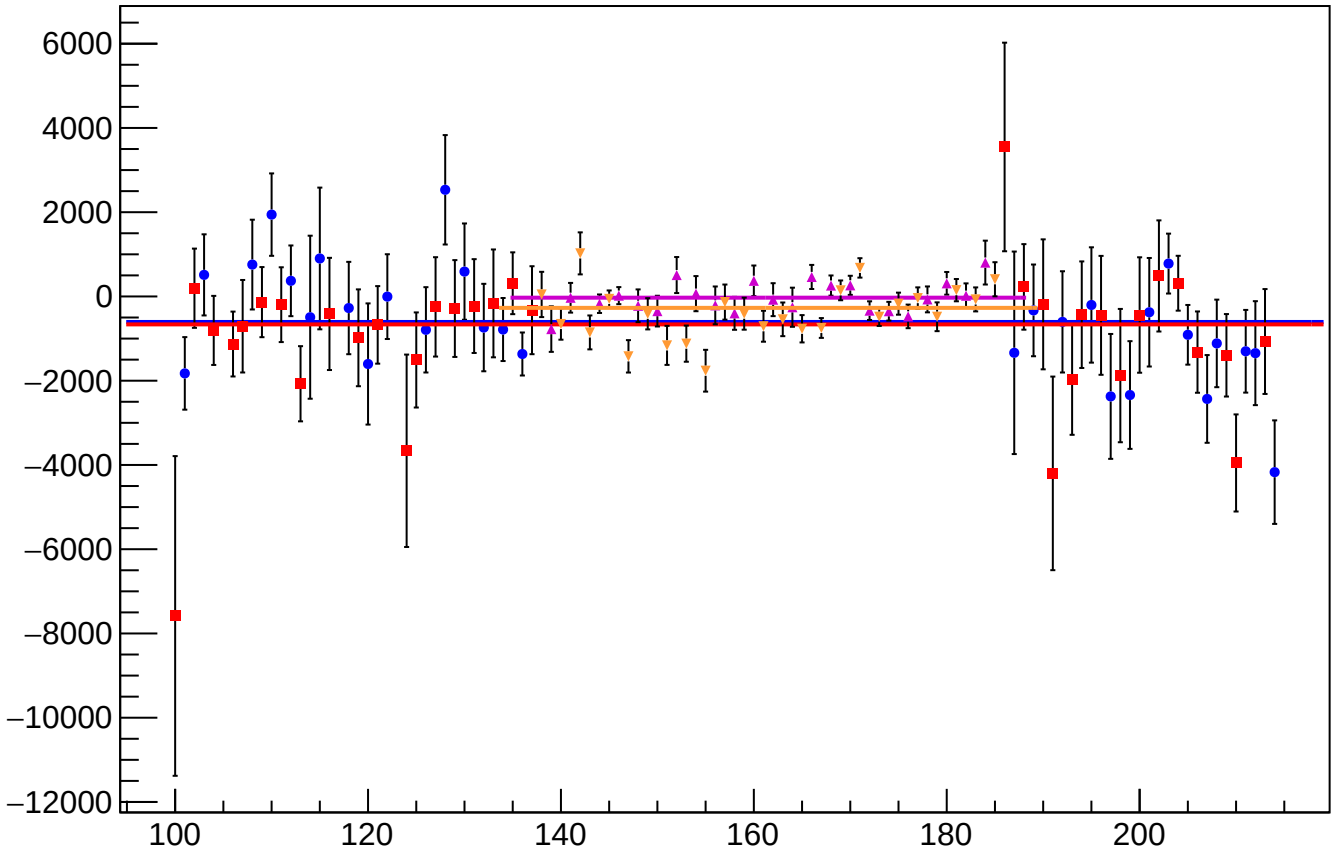
Right Out: 81.140+/-0.015 χ^2/NDF: 6258298.2/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.436+/-0.007 χ^2/NDF: 9794834.9/54

All: 54.764+/-0.005 χ^2/NDF: 20831513.4/111

- sign 55.110+/-0.007 χ^2/NDF: 11031869.3/56



Right In: -605.686+/-183.581 χ^2/NDF: 44.2/29

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -663.116+/-185.204 χ^2/NDF: 32.6/33

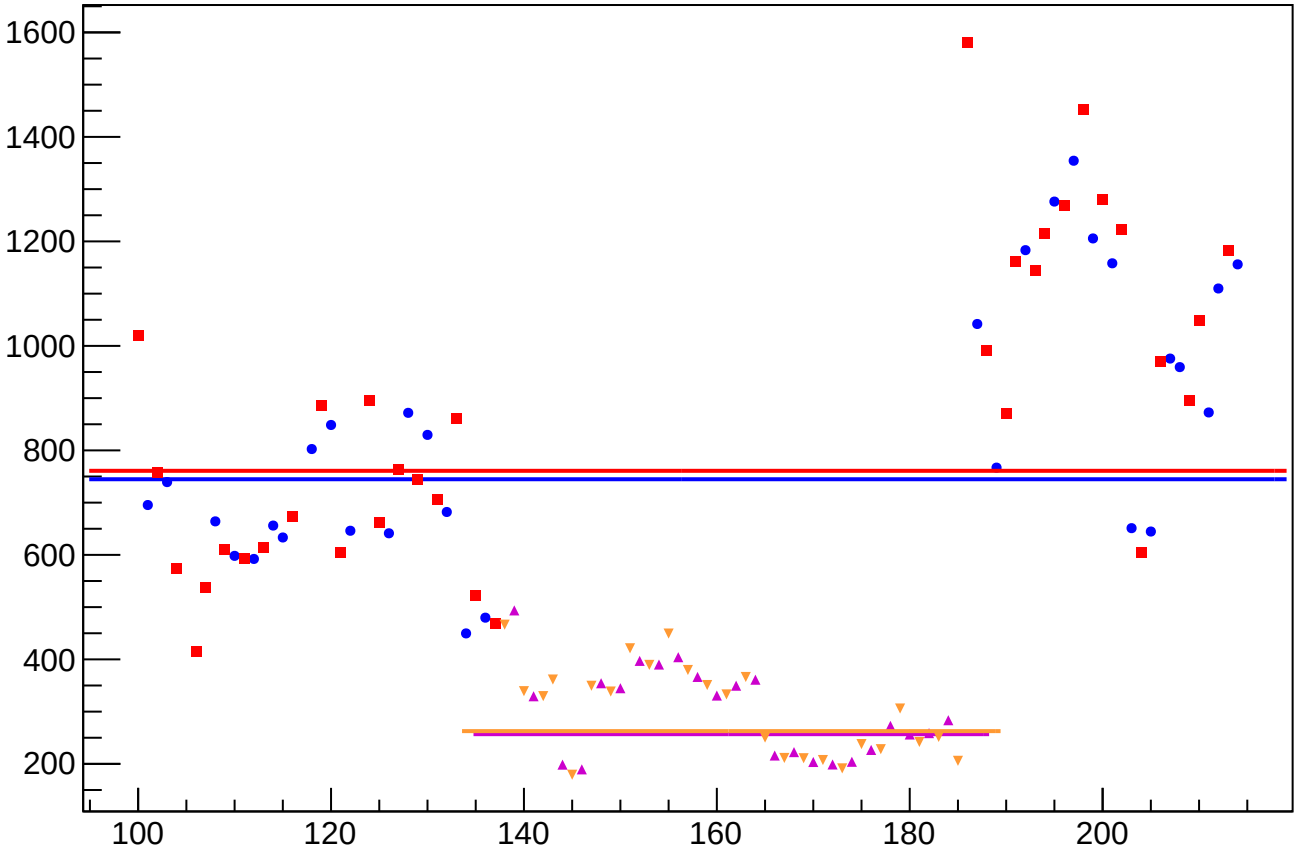
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -305.638+/-59.034 χ^2/NDF: 121.1/54

All: -200.572+/-41.860 χ^2/NDF: 195.0/111

- sign -94.330+/-59.364 χ^2/NDF: 67.6/56

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 744.768+/-0.130 χ^2/NDF: 3179944.6/29

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 760.902+/-0.131 χ^2/NDF: 3887847.0/33

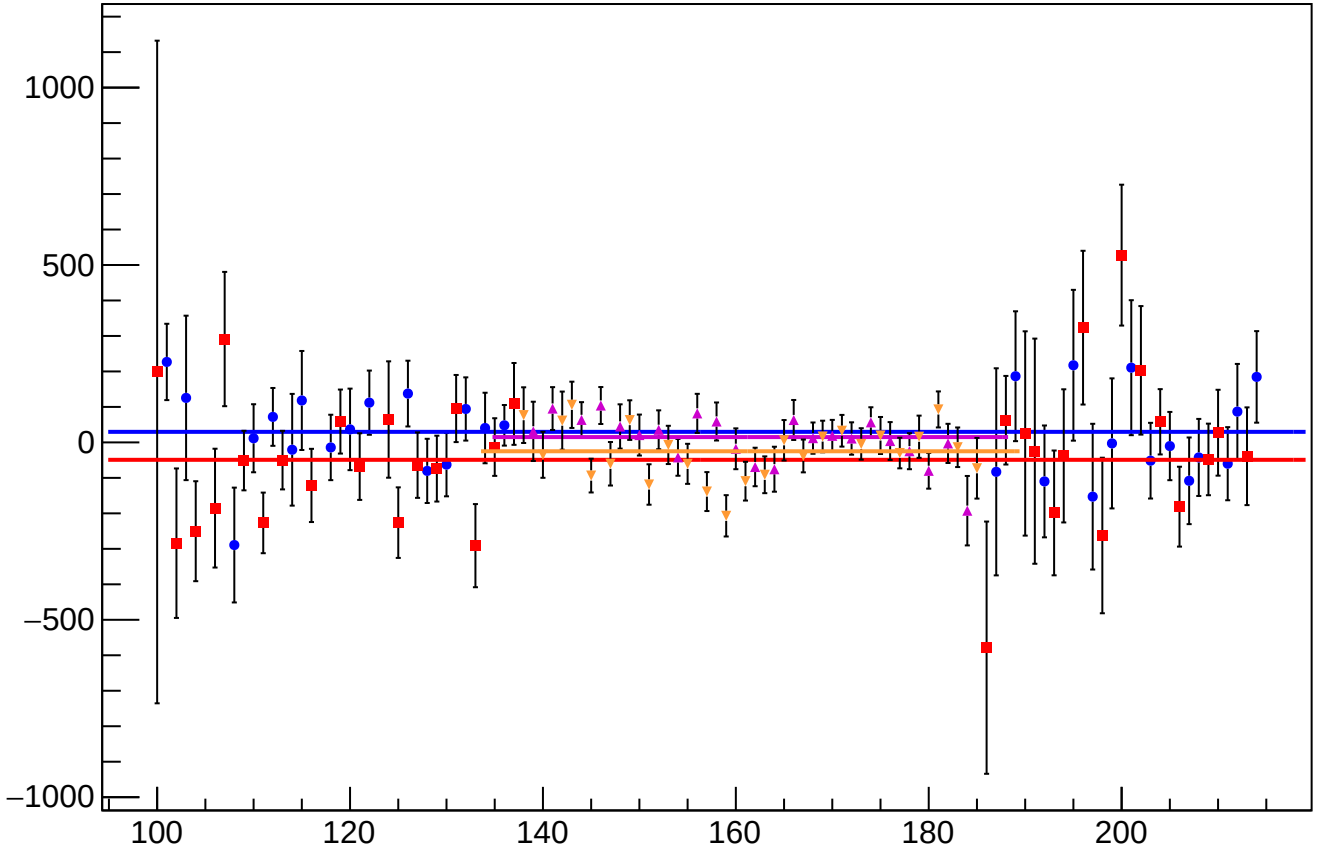
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 312.531+/-0.042 χ^2/NDF: 18439106.8/54

All: 310.591+/-0.030 χ^2/NDF: 38263132.4/11

- sign 308.630+/-0.042 χ^2/NDF: 19819683.4/56

cor_asym_sam_37_dd_mean vs Slug



Right In: 29.754+/-20.207 χ^2/NDF: 22.8/29

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.097+/-20.646 χ^2/NDF: 47.2/33

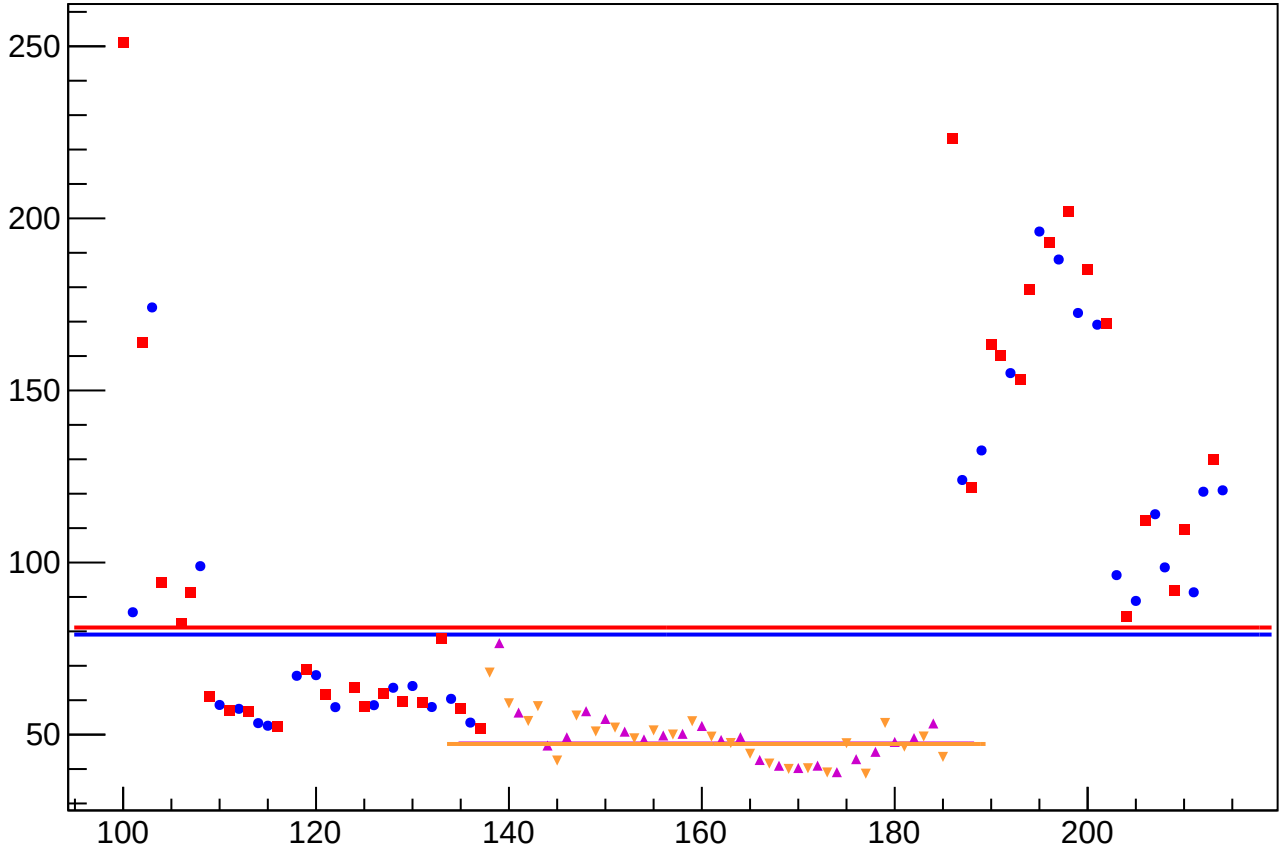
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.669+/-9.585 χ^2/NDF: 71.6/54

All: -6.325+/-6.872 χ^2/NDF: 151.9/111

- sign 0.384+/-9.857 χ^2/NDF: 79.4/56

cor_asym_sam_37_dd_rms vs Slug



Right In: 79.073+/-0.014 χ^2/NDF: 5241361.5/29

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

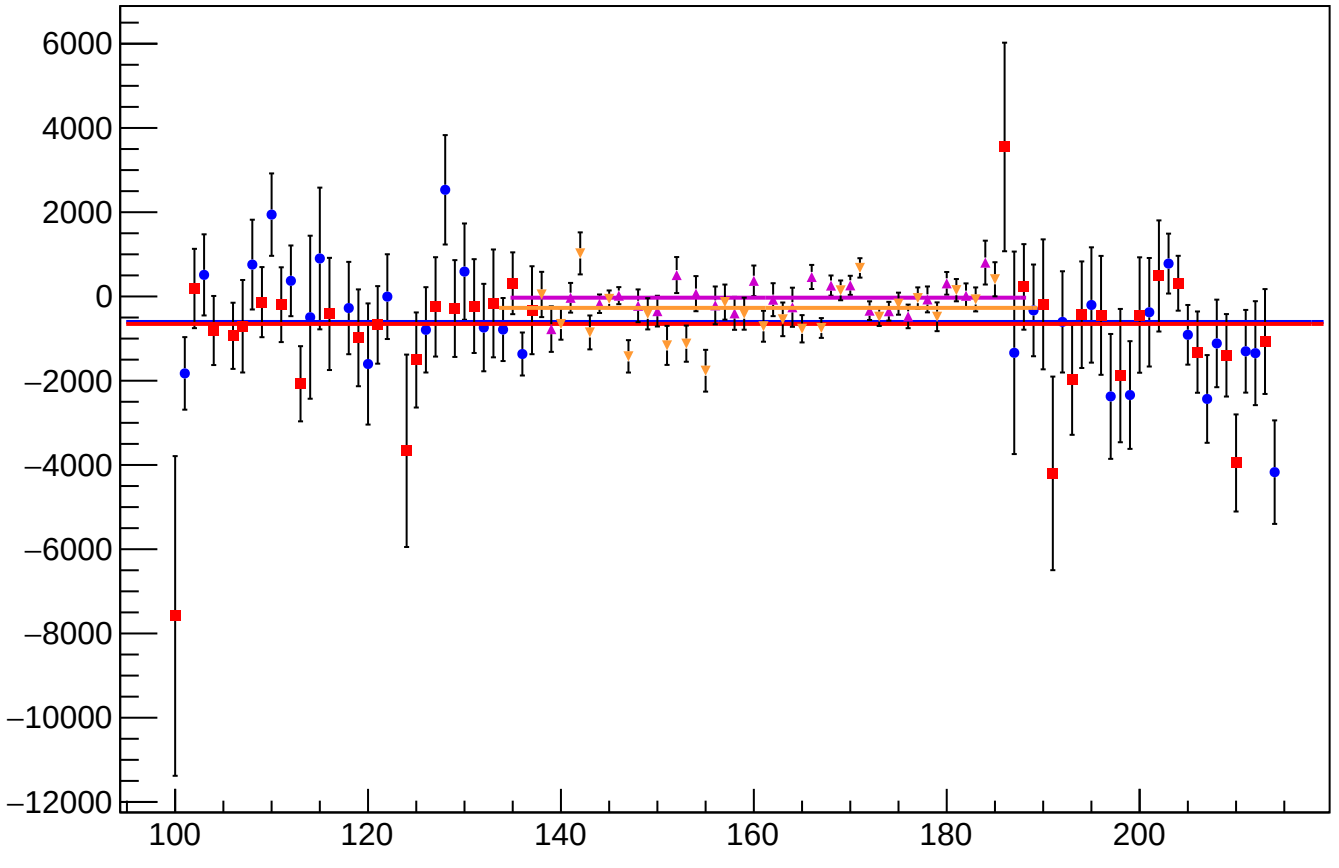
Right Out: 81.124+/-0.015 χ^2/NDF: 6258250.5/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.436+/-0.007 χ^2/NDF: 9794836.6/54

All: 54.762+/-0.005 χ^2/NDF: 20827289.7/111

- sign 55.106+/-0.007 χ^2/NDF: 11027702.3/56



Right In: -605.688+/-183.581 χ^2/NDF: 44.2/29

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -651.560+/-185.421 χ^2/NDF: 32.4/33

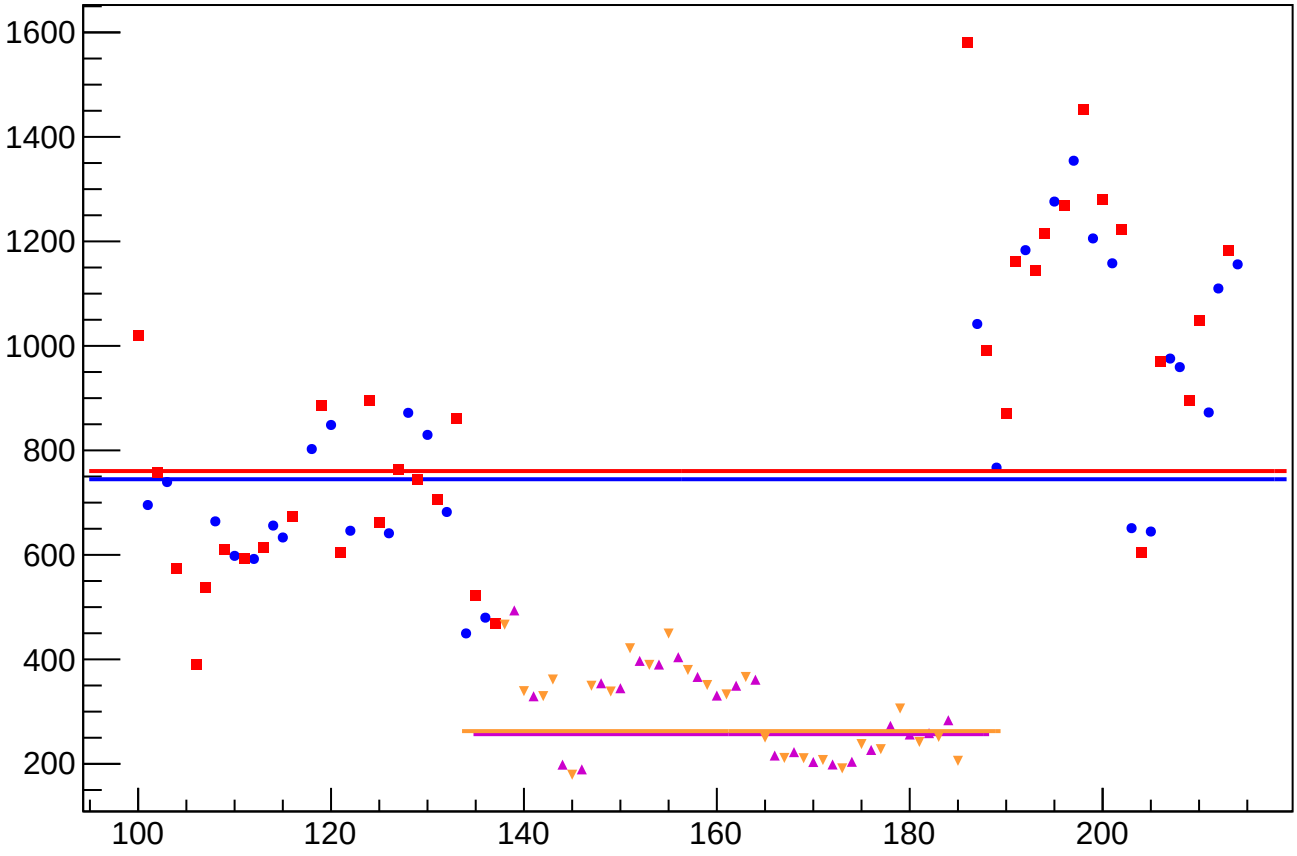
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -305.633+/-59.034 χ^2/NDF: 121.1/54

All: -199.926+/-41.862 χ^2/NDF: 194.5/111

- sign -93.010+/-59.371 χ^2/NDF: 66.9/56

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 744.771+/-0.130 χ^2/NDF: 3179943.2/29

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 760.411+/-0.131 χ^2/NDF: 3926390.4/33

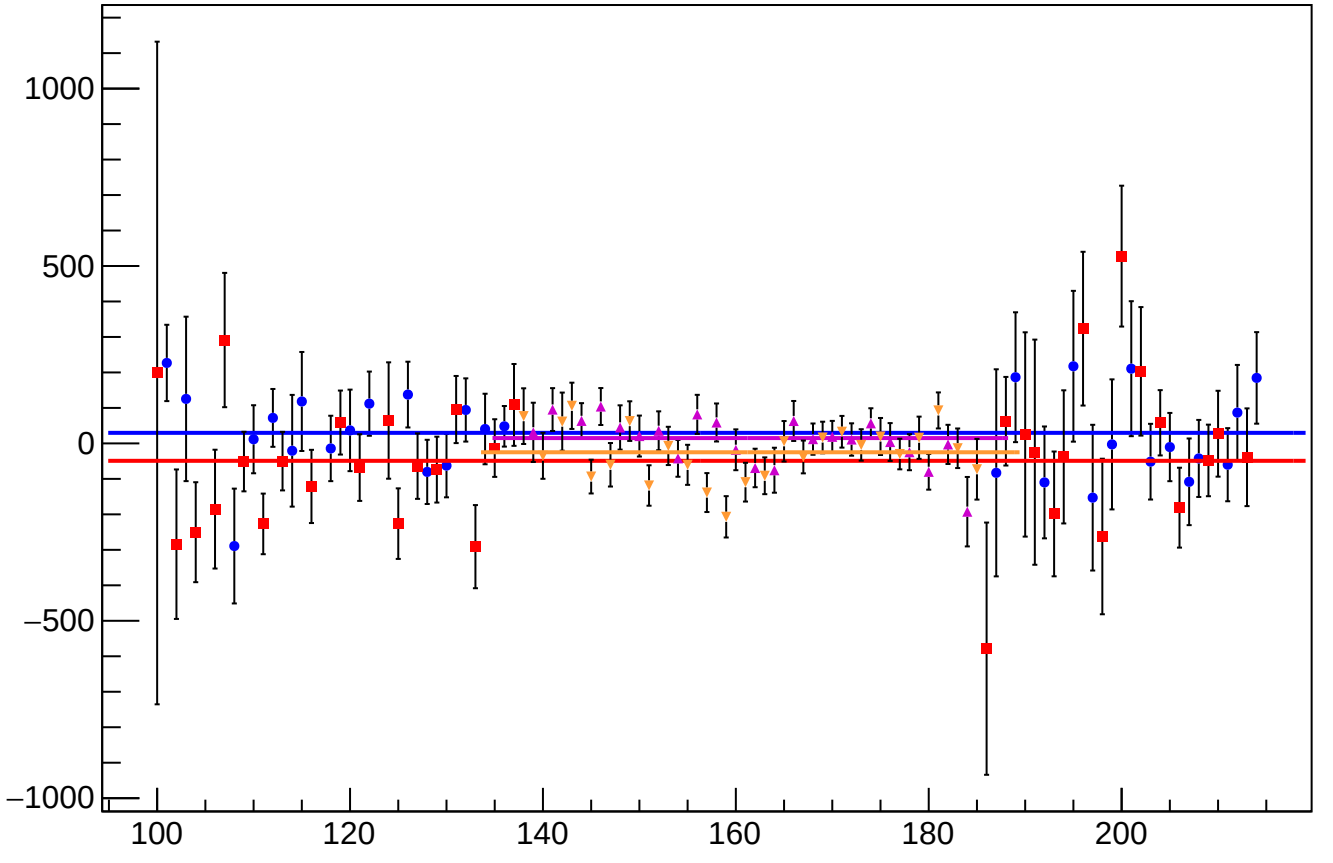
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 312.531+/-0.042 χ^2/NDF: 18439166.3/54

All: 310.512+/-0.030 χ^2/NDF: 38248332.1/11

- sign 308.471+/-0.042 χ^2/NDF: 19804463.1/56

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 29.754+/-20.207 χ^2/NDF: 22.8/29

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -49.097+/-20.646 χ^2/NDF: 47.2/33

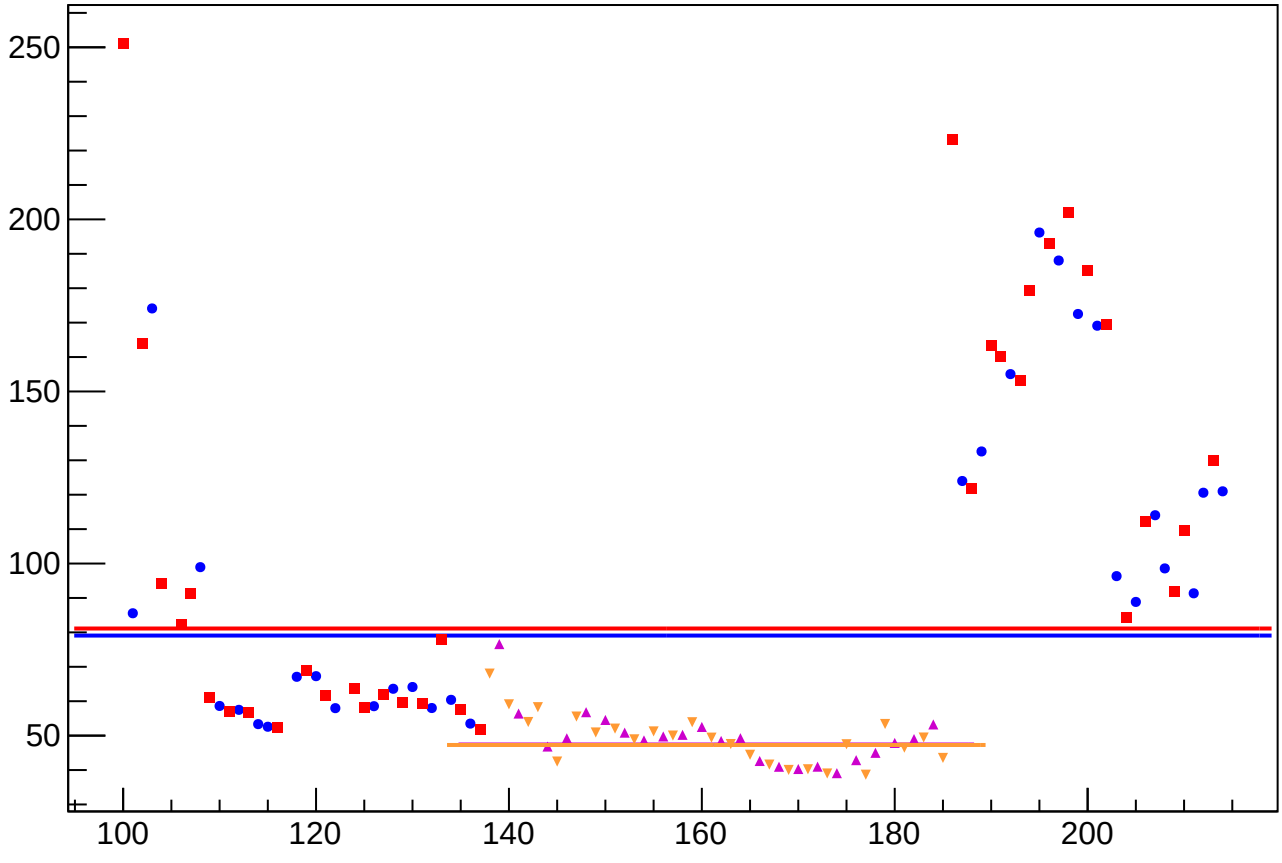
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -12.669+/-9.585 χ^2/NDF: 71.6/54

All: -6.325+/-6.872 χ^2/NDF: 151.9/111

- sign 0.384+/-9.857 χ^2/NDF: 79.4/56

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 79.073+/-0.014 χ^2/NDF: 5241361.5/29

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

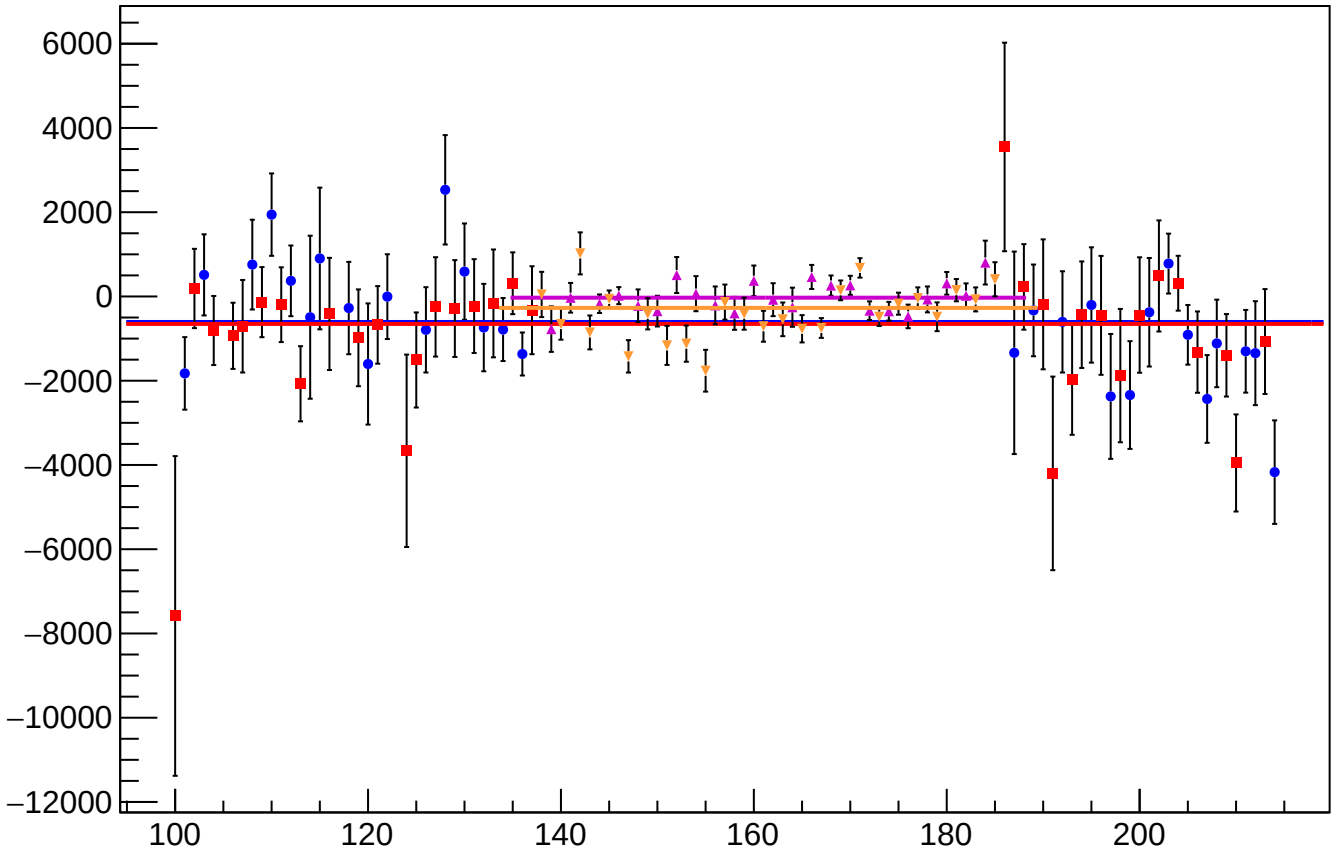
Right Out: 81.124+/-0.015 χ^2/NDF: 6258250.5/33

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 54.436+/-0.007 χ^2/NDF: 9794836.6/54

All: 54.762+/-0.005 χ^2/NDF: 20827289.7/111

- sign 55.106+/-0.007 χ^2/NDF: 11027702.3/56



Right In: -605.688+/-183.581 χ^2/NDF: 44.2/29

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

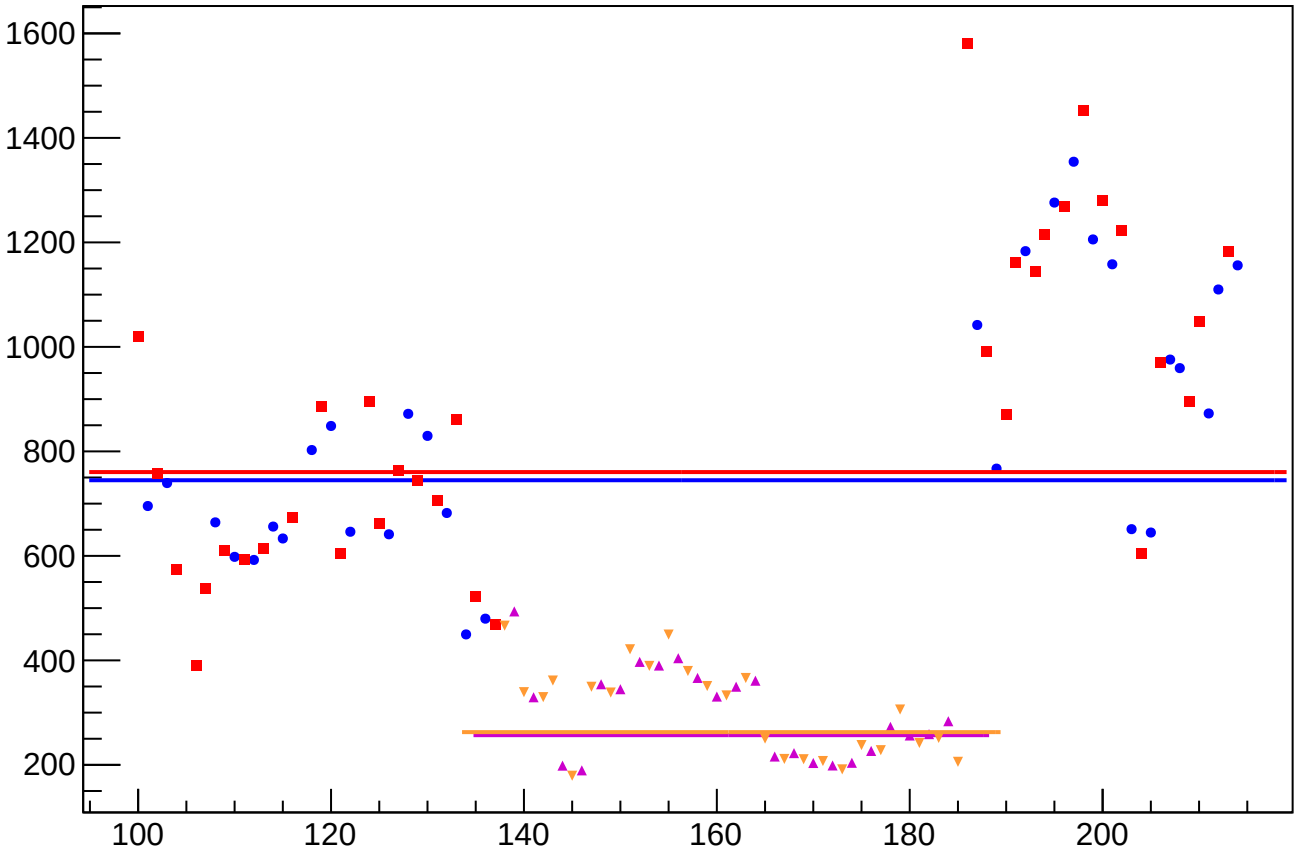
Right Out: -651.560+/-185.421 χ^2/NDF: 32.4/33

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -305.633+/-59.034 χ^2/NDF: 121.1/54

All: -199.926+/-41.862 χ^2/NDF: 194.5/111

- sign -93.010+/-59.371 χ^2/NDF: 66.9/56



Right In: 744.771+/-0.130 χ^2/NDF: 3179943.2/29

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 760.411+/-0.131 χ^2/NDF: 3926390.4/33

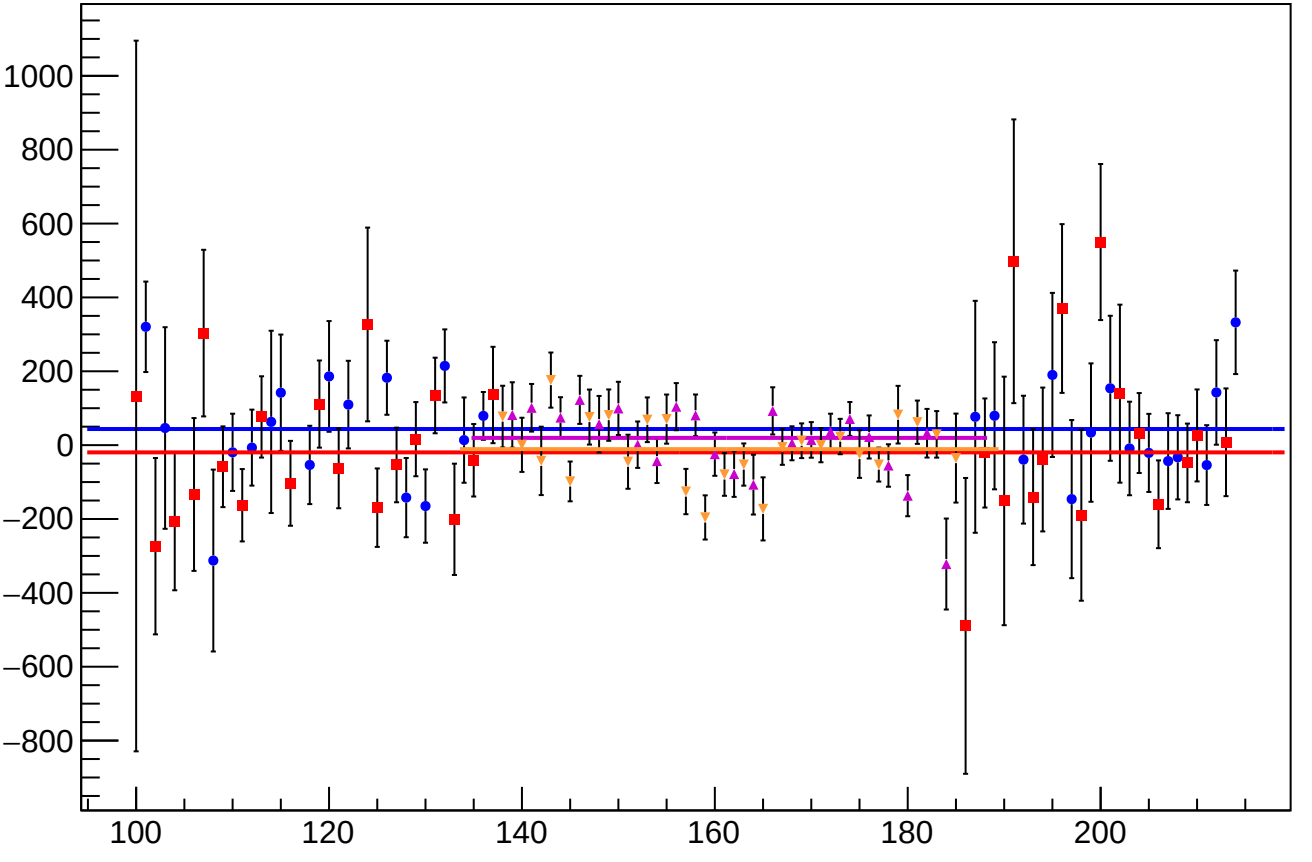
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 312.531+/-0.042 χ^2/NDF: 18439166.3/54

All: 310.512+/-0.030 χ^2/NDF: 38248332.1/11

- sign 308.471+/-0.042 χ^2/NDF: 19804463.1/56

dit_asym_sam_37_dd_mean vs Slug



Right In: 43.656+/-23.019 χ^2/NDF: 31.7/29

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -19.607+/-23.882 χ^2/NDF: 35.4/33

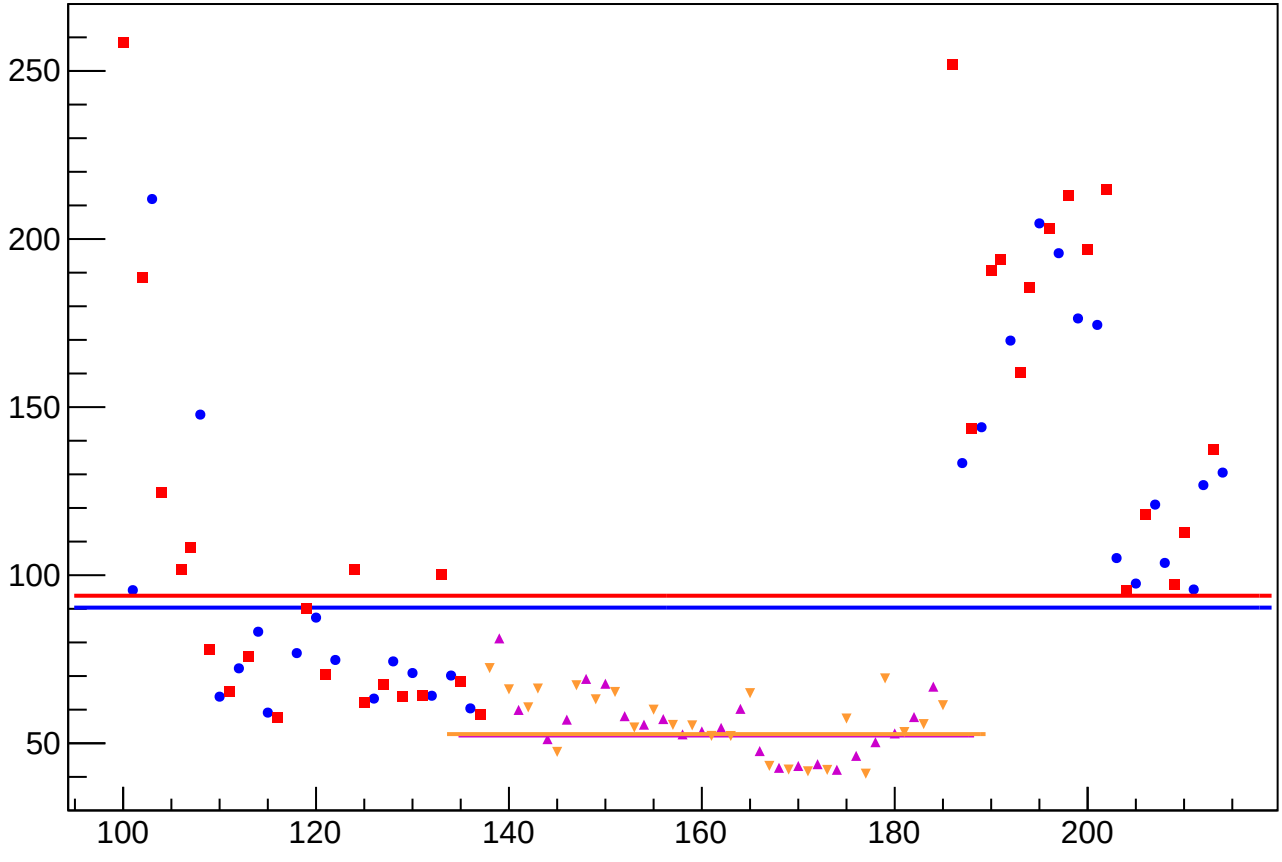
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign 1.287+/-10.853 χ^2/NDF: 76.5/54

All: 6.089+/-7.762 χ^2/NDF: 151.2/111

- sign 11.118+/-11.107 χ^2/NDF: 74.3/56

dit_asym_sam_37_dd_rms vs Slug



Right In: 90.356+/-0.016 χ^2/NDF: 4628146.0/29

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 93.893+/-0.017 χ^2/NDF: 5769243.1/33

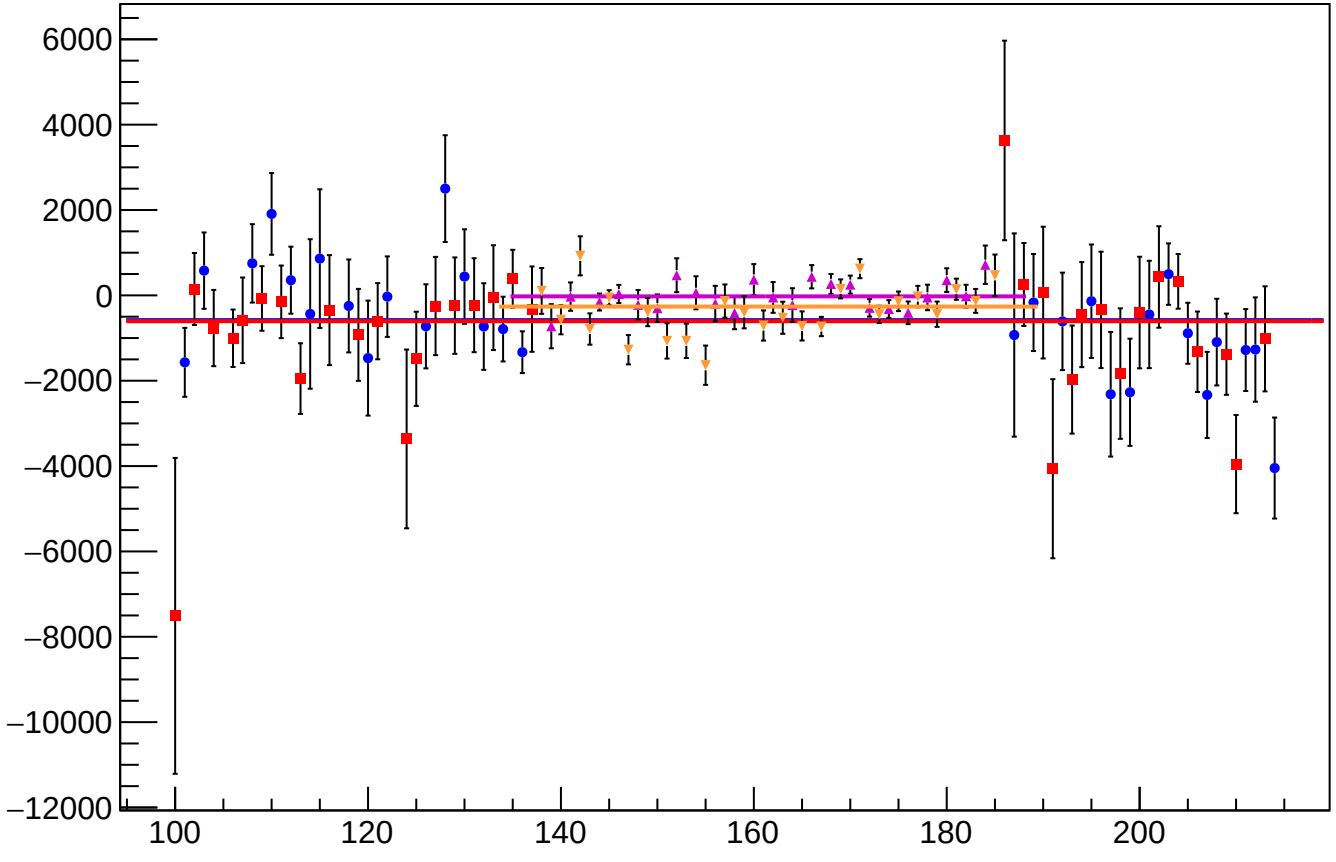
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 61.094+/-0.008 χ^2/NDF: 9951162.3/54

All: 61.198+/-0.005 χ^2/NDF: 21363839.3/111

- sign 61.306+/-0.008 χ^2/NDF: 11412303.9/56

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -580.518+/-177.891 χ^2/NDF: 43.1/29

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -605.064+/-176.779 χ^2/NDF: 34.9/33

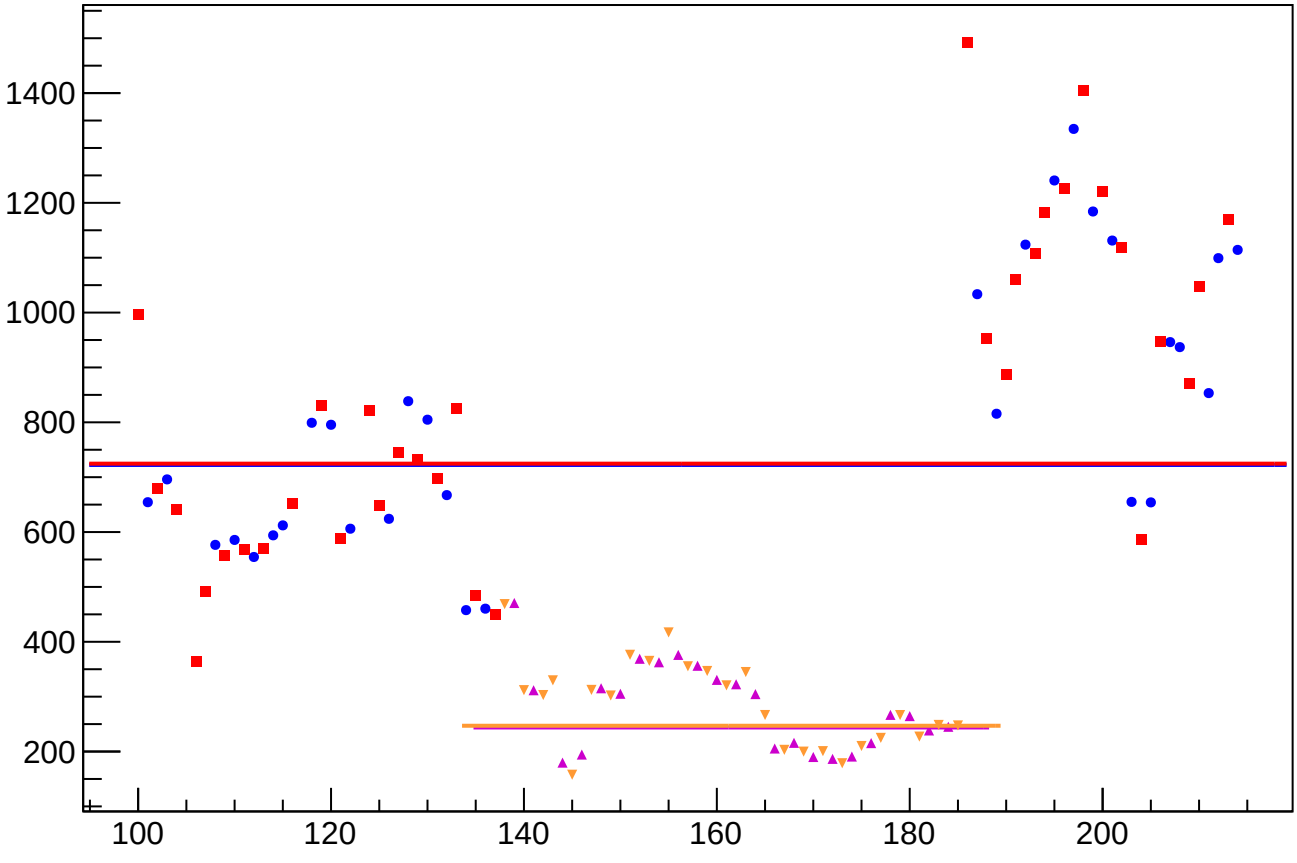
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -293.610+/-55.573 χ^2/NDF: 118.2/54

All: -189.417+/-39.552 χ^2/NDF: 194.2/111

- sign -82.466+/-56.304 χ^2/NDF: 68.8/56

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 722.291+/-0.126 χ^2/NDF: 3238422.1/29

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 724.641+/-0.125 χ^2/NDF: 4163728.4/33

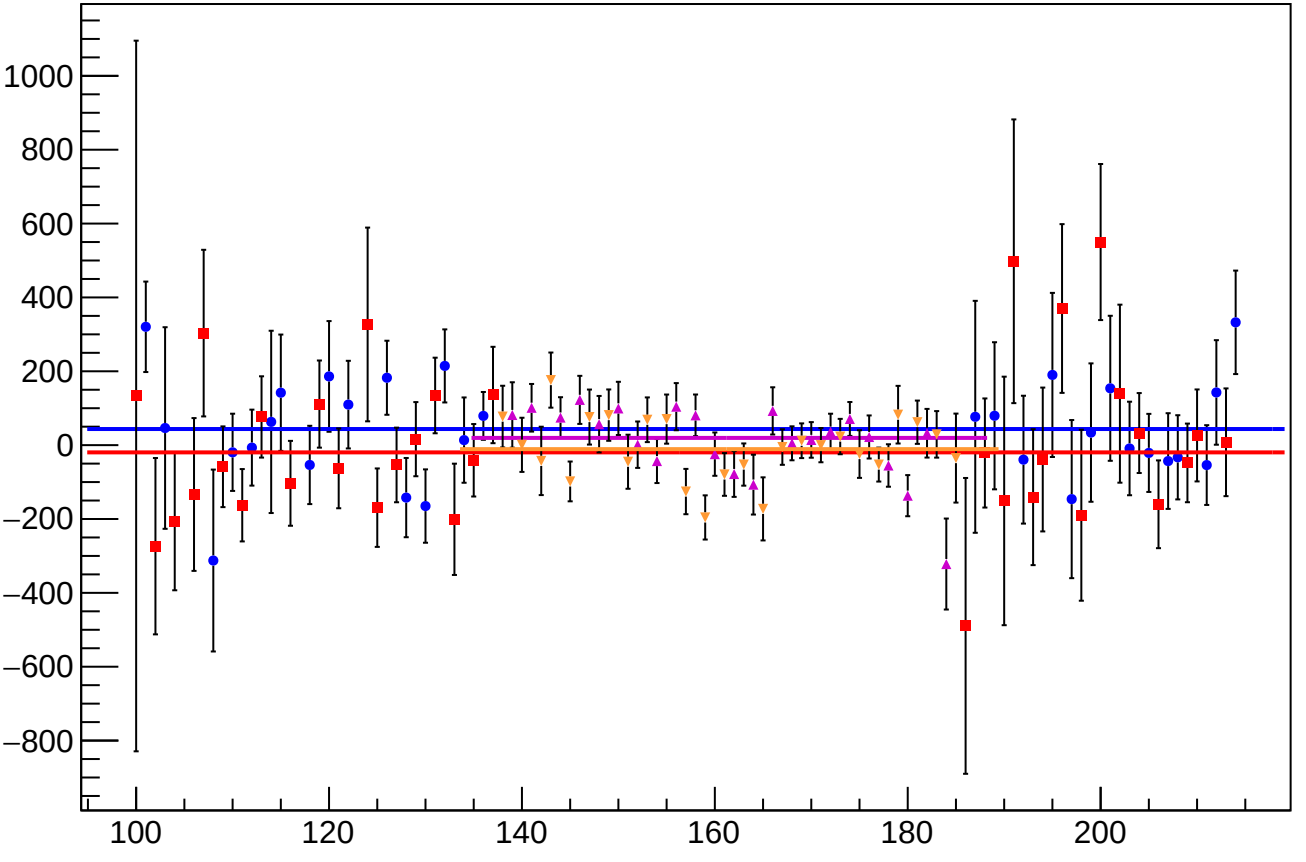
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 293.381+/-0.039 χ^2/NDF: 19048115.1/54

All: 292.995+/-0.028 χ^2/NDF: 38997177.9/11

- sign 292.599+/-0.040 χ^2/NDF: 19948867.5/56

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 43.657+/-23.019 χ^2/NDF: 31.7/29

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -19.606+/-23.882 χ^2/NDF: 35.4/33

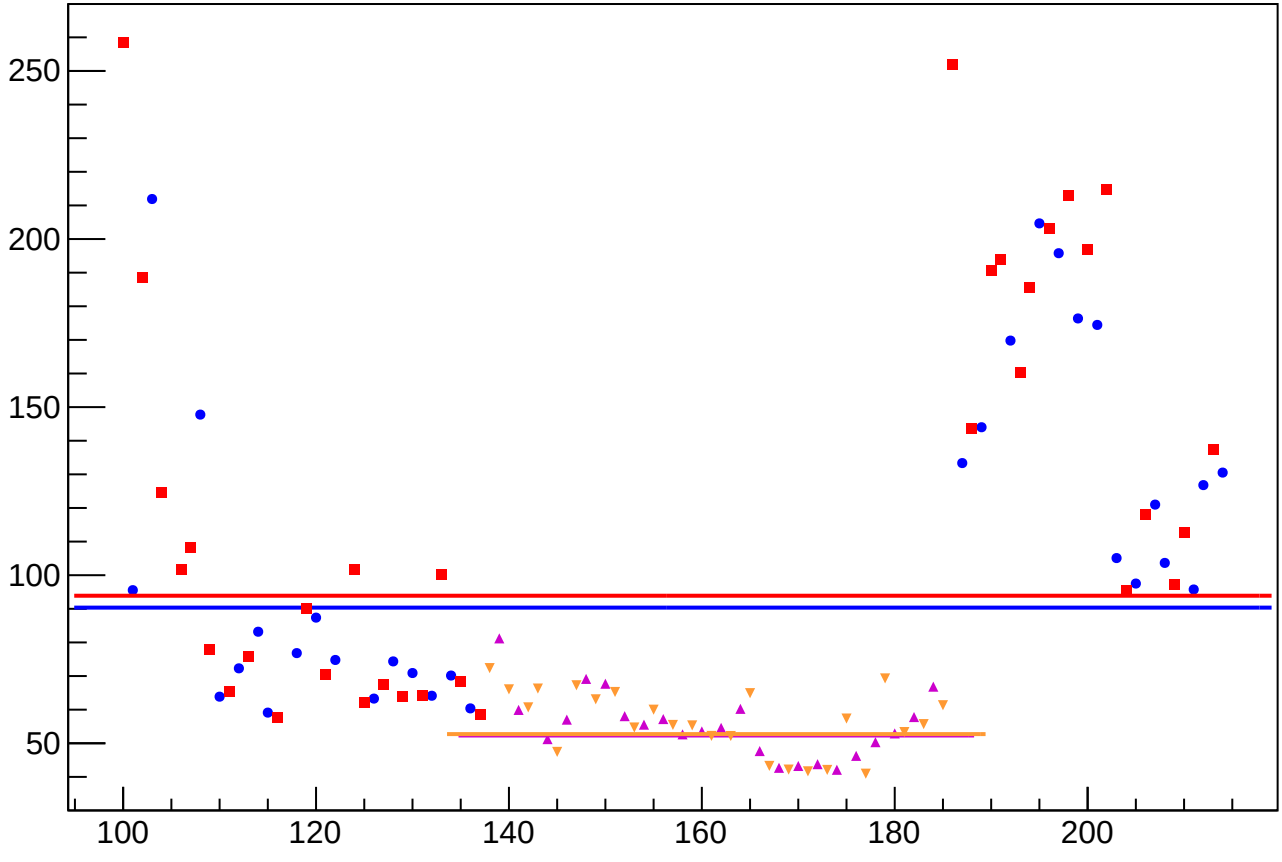
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign 1.287+/-10.853 χ^2/NDF: 76.5/54

All: 6.089+/-7.762 χ^2/NDF: 151.2/111

- sign 11.119+/-11.107 χ^2/NDF: 74.3/56

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 90.356+/-0.016 χ^2/NDF: 4628177.3/29

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

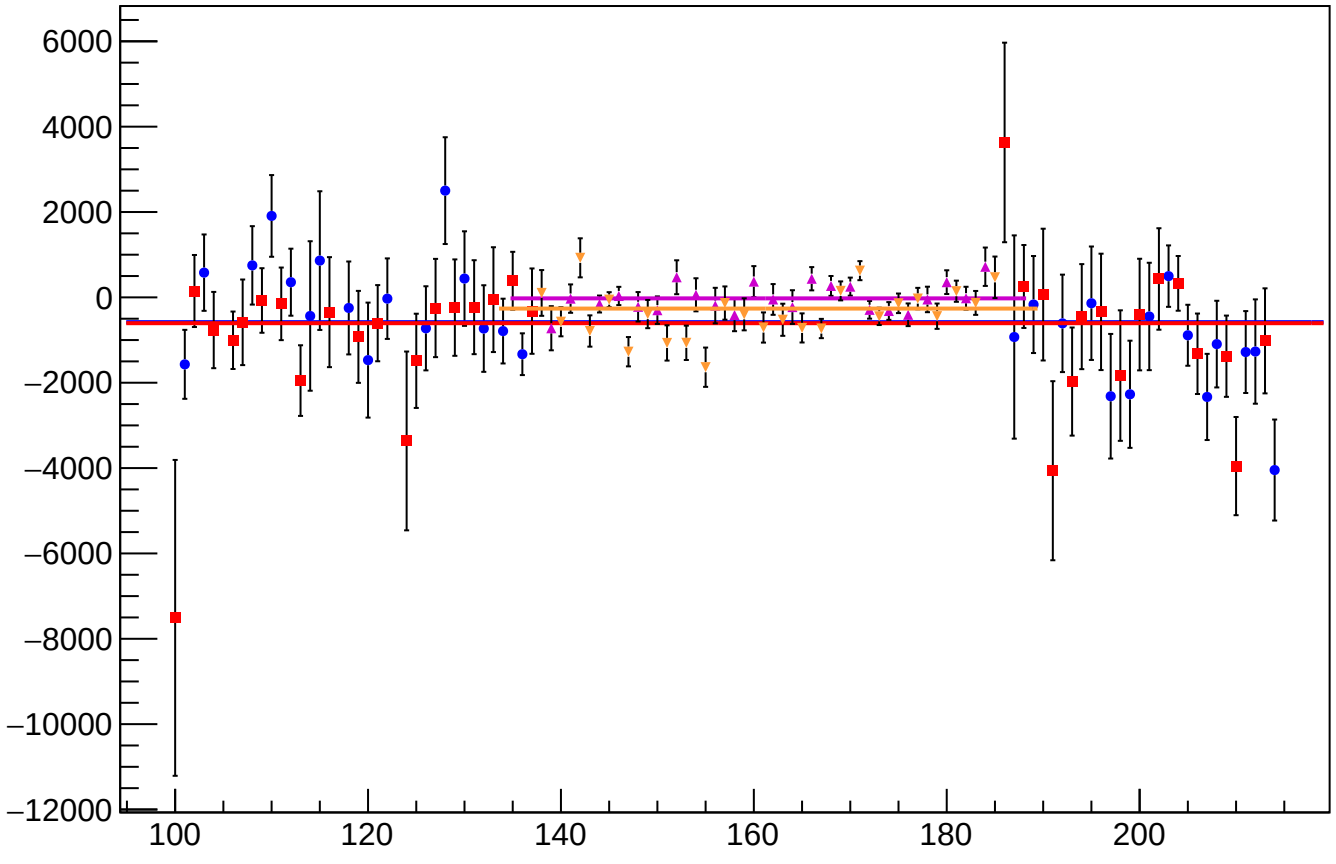
Right Out: 93.893+/-0.017 χ^2/NDF: 5769247.8/33

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 61.094+/-0.008 χ^2/NDF: 9951179.0/54

All: 61.198+/-0.005 χ^2/NDF: 21363839.0/111

- sign 61.307+/-0.008 χ^2/NDF: 11412286.8/56



Right In: -580.518+/-177.891 χ^2/NDF: 43.1/29

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

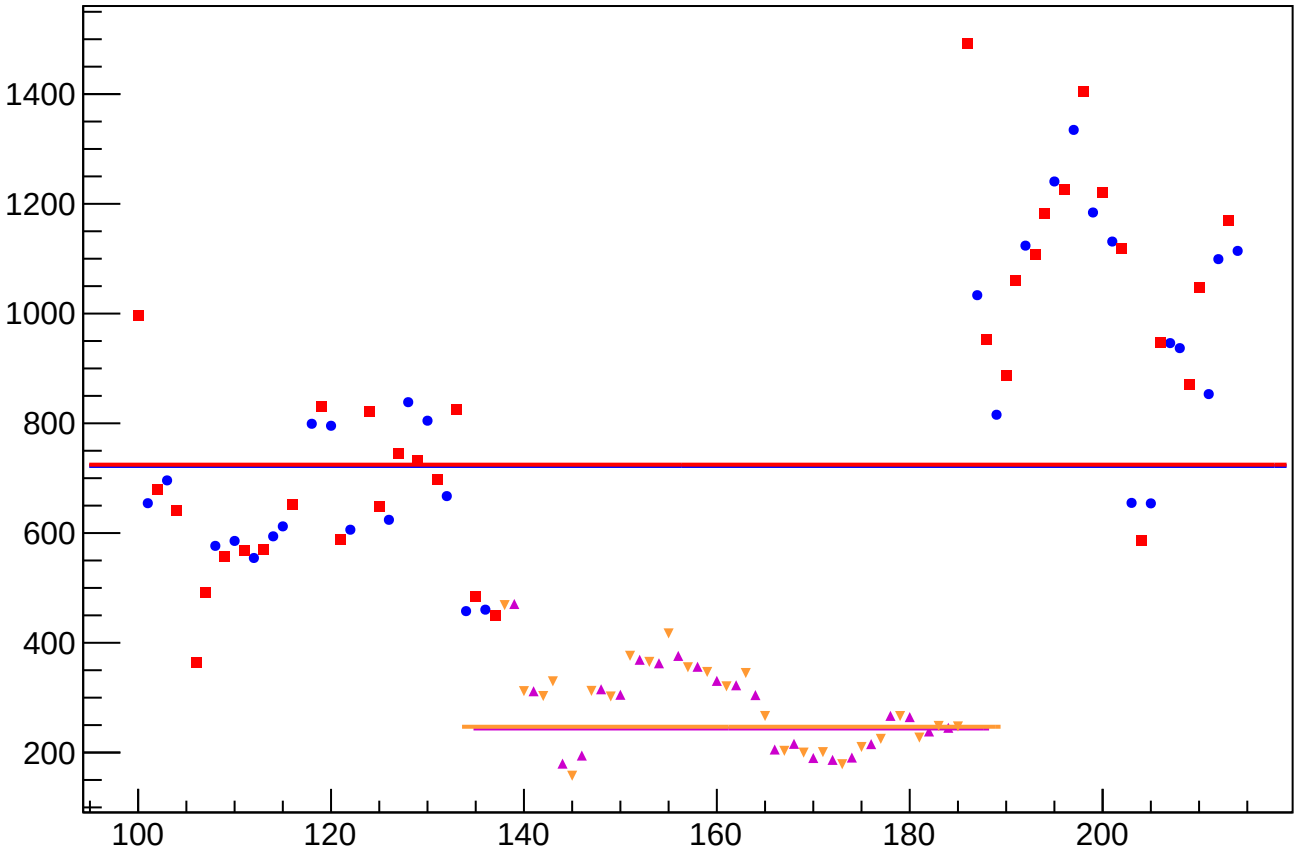
Right Out: -605.064+/-176.779 χ^2/NDF: 34.9/33

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -293.610+/-55.573 χ^2/NDF: 118.2/54

All: -189.417+/-39.552 χ^2/NDF: 194.2/111

- sign -82.466+/-56.303 χ^2/NDF: 68.8/56



Right In: 722.291+/-0.126 χ^2/NDF: 3238405.7/29

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 724.641+/-0.125 χ^2/NDF: 4163719.5/33

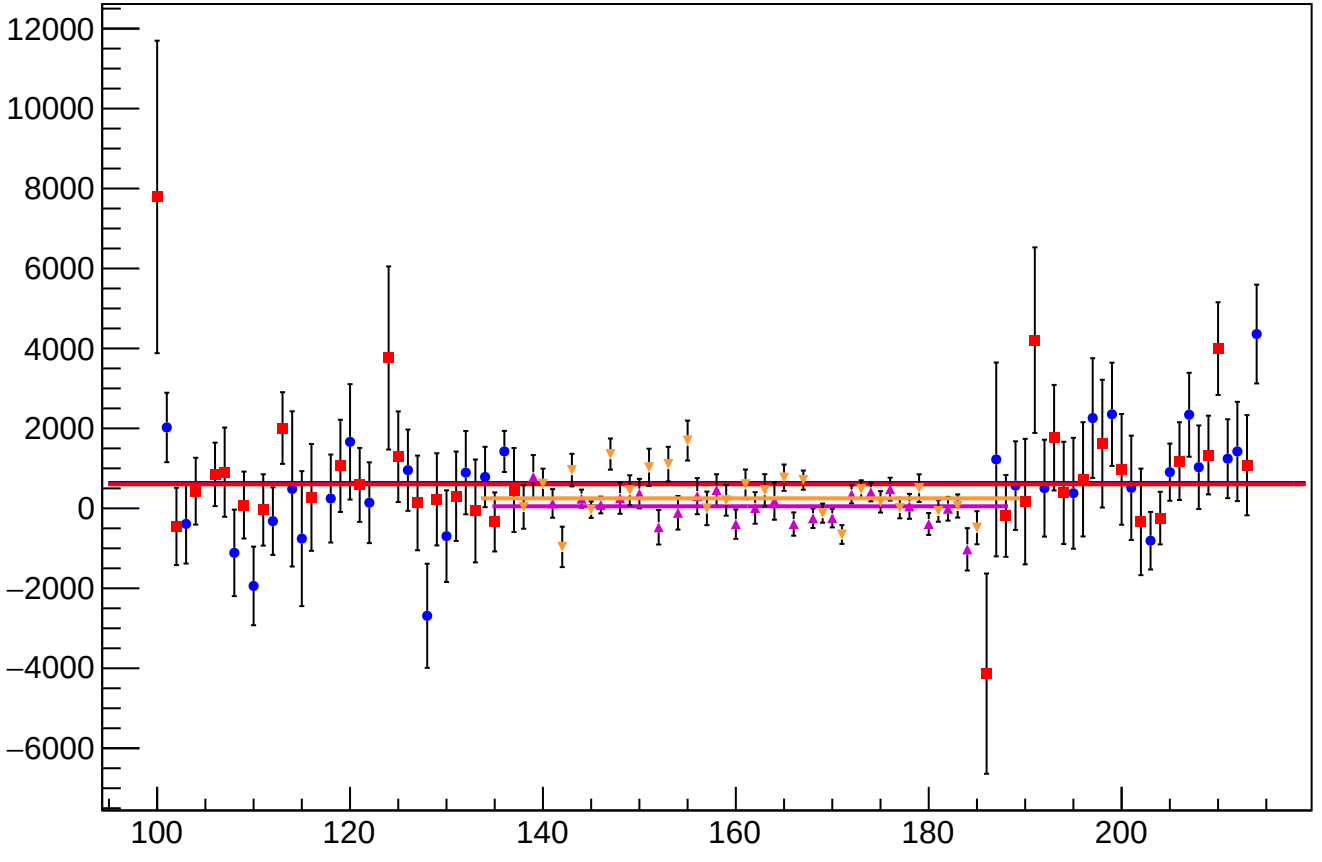
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 293.381+/-0.039 χ^2/NDF: 19048104.1/54

All: 292.995+/-0.028 χ^2/NDF: 38997160.1/11

- sign 292.599+/-0.040 χ^2/NDF: 19948860.6/56

asym_sam_37_dd_mean vs Slug



Right In: 635.340+/-185.132 χ^2/NDF: 46.2/29

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 602.028+/-187.029 χ^2/NDF: 32.6/33

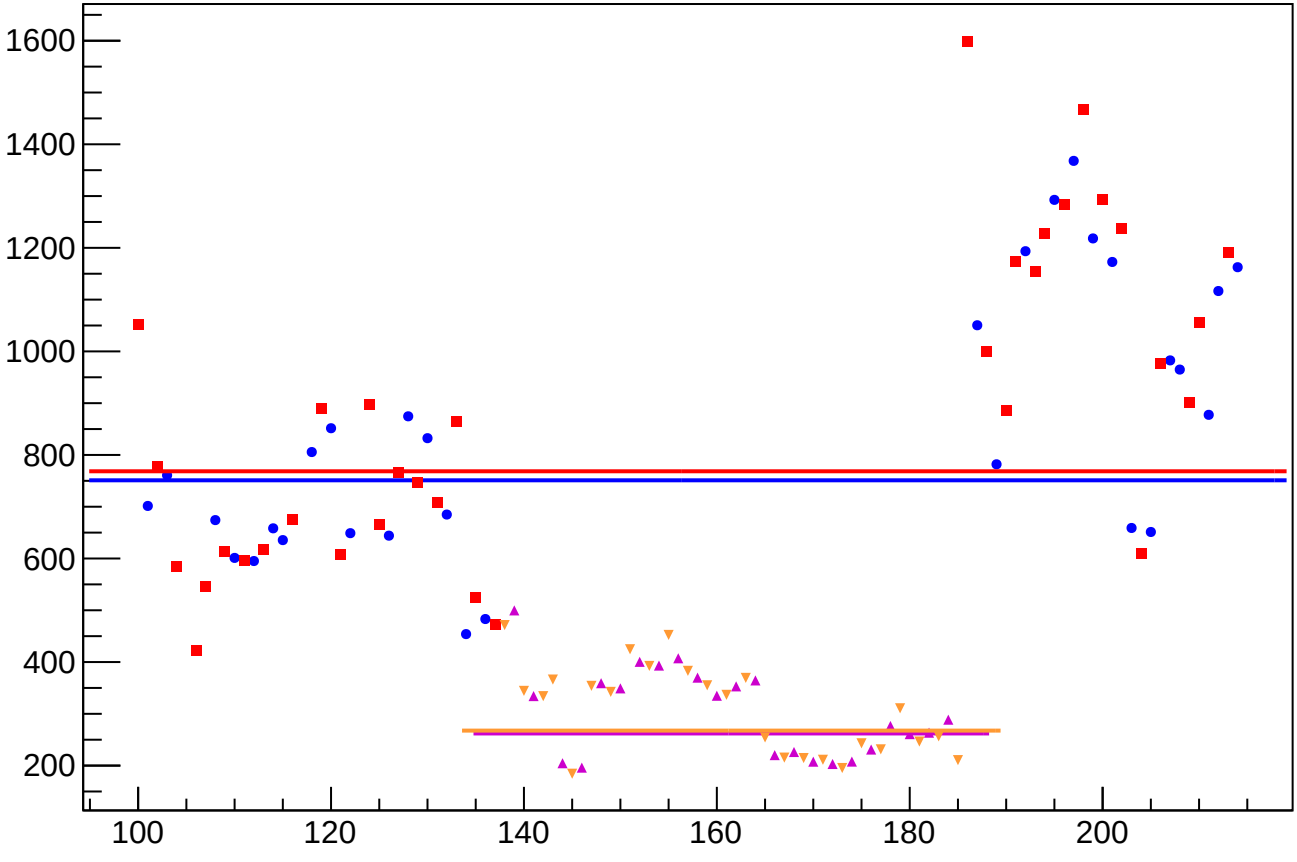
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 291.468+/-60.000 χ^2/NDF: 117.6/54

All: 200.939+/-42.574 χ^2/NDF: 189.4/111

- sign 109.140+/-60.420 χ^2/NDF: 67.2/56

asym_sam_37_dd_rms vs Slug



Right In: 751.018+/-0.131 χ^2/NDF: 3187039.7/29

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

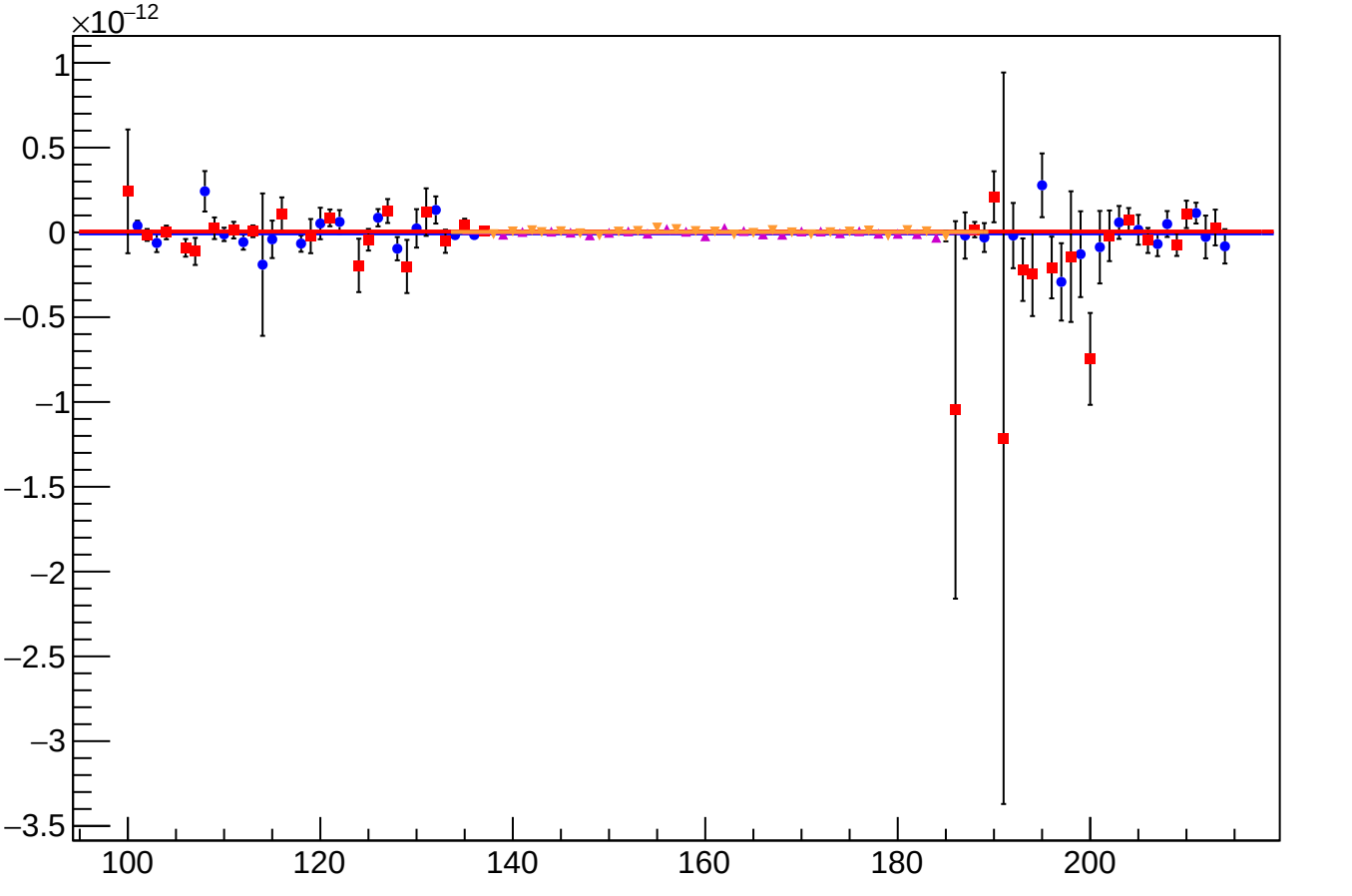
Right Out: 768.448+/-0.132 χ^2/NDF: 3869841.3/33

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 318.367+/-0.042 χ^2/NDF: 18193538.2/54

All: 316.664+/-0.030 χ^2/NDF: 37733884.2/11

- sign 314.937+/-0.043 χ^2/NDF: 19537099.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

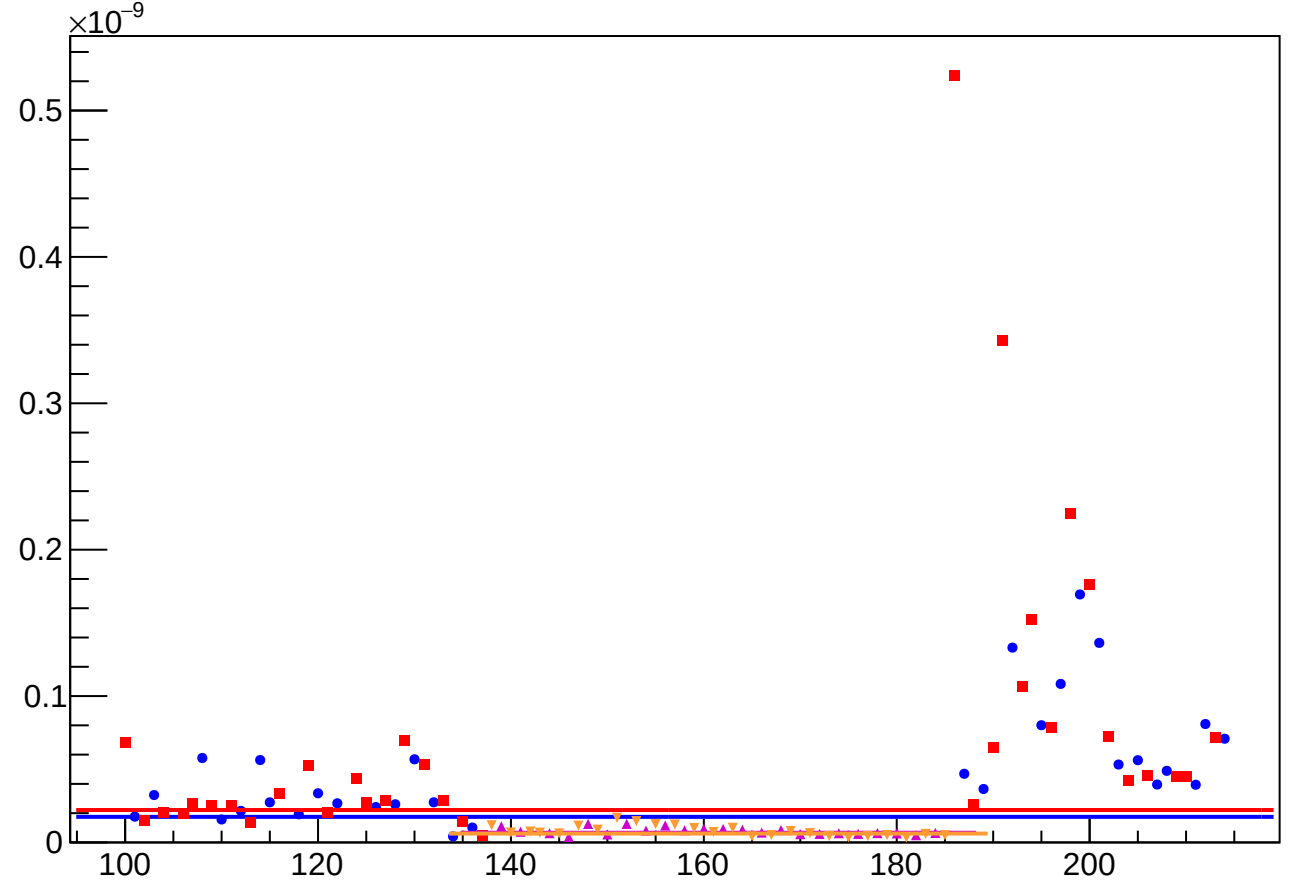
Right Out: 0.000+/-0.000 χ^2/NDF: 39.2/33

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.5/54

All: 0.000+/-0.000 χ^2/NDF: 100.0/111

- sign -0.000+/-0.000 χ^2/NDF: 51.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 7810617.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427077.5/33

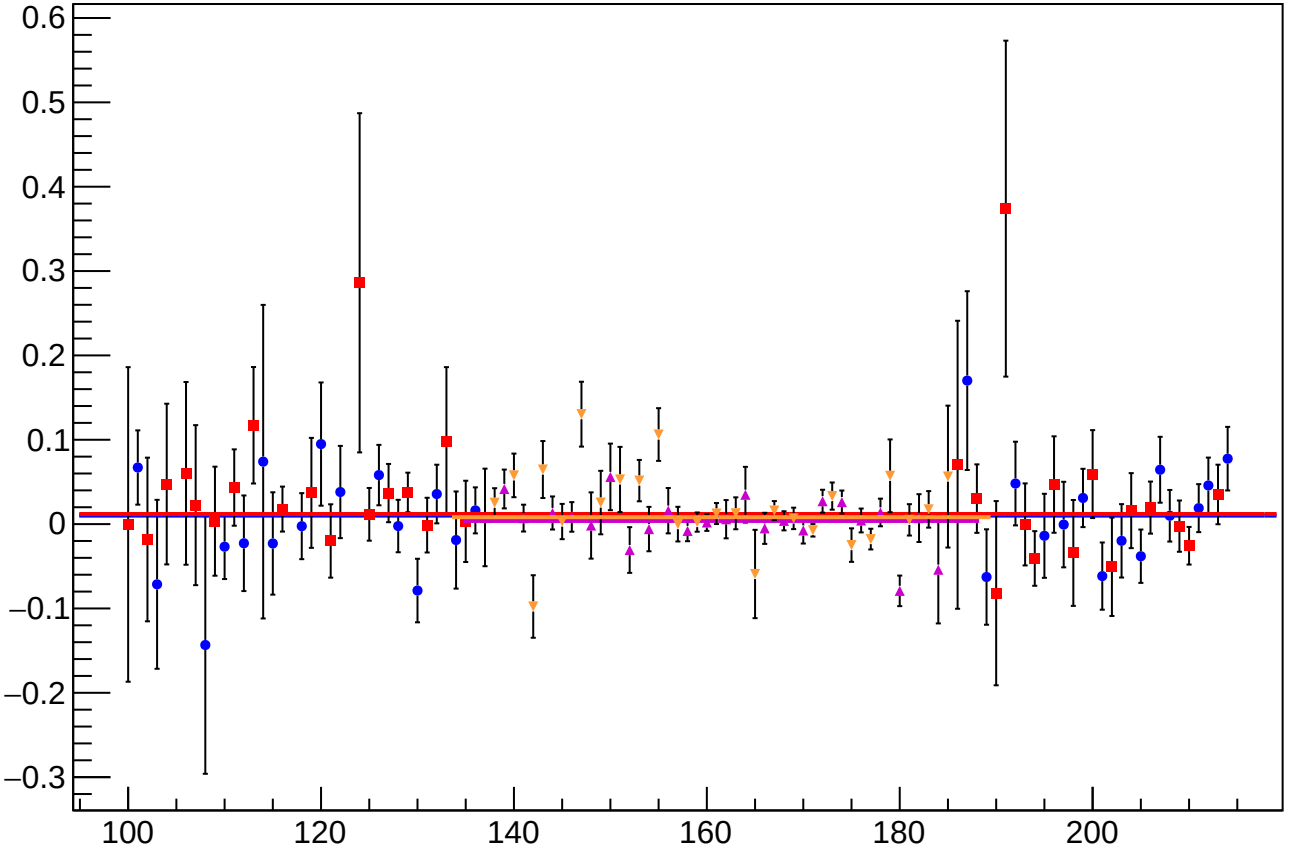
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13301611.8/54

All: 0.000+/-0.000 χ^2/NDF: 25069144.9/111

- sign 0.000+/-0.000 χ^2/NDF: 11691155.8/56

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.010+/-0.008 χ^2/NDF: 32.7/29

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.012+/-0.007 χ^2/NDF: 22.3/33

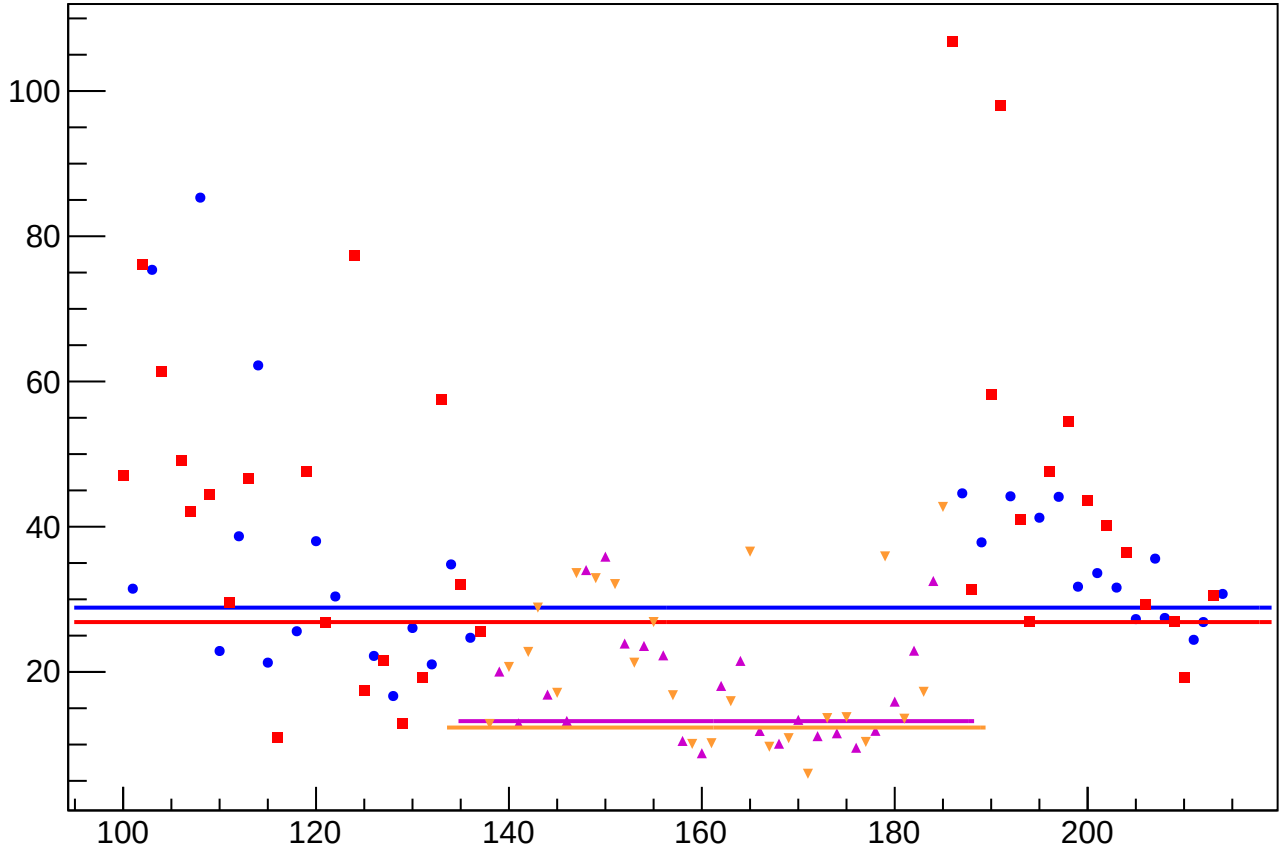
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.6/54

All: 0.007+/-0.002 χ^2/NDF: 152.5/111

- sign 0.005+/-0.003 χ^2/NDF: 60.5/56

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.856+/-0.005 χ^2/NDF: 2289539.0/29

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

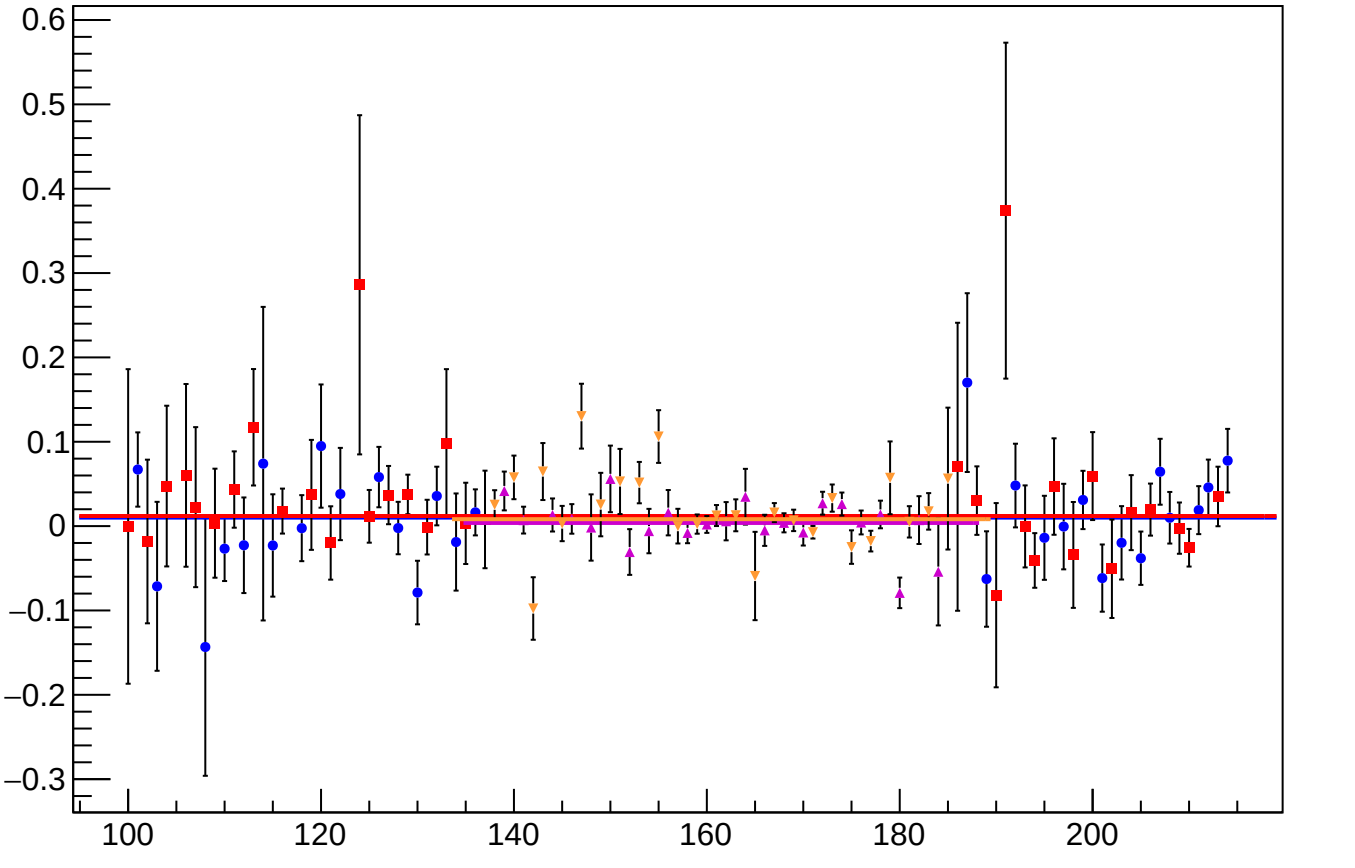
Right Out: 26.868+/-0.005 χ^2/NDF: 5987419.4/33

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.167+/-0.002 χ^2/NDF: 16851321.9/54

All: 15.485+/-0.002 χ^2/NDF: 32133491.9/111

- sign 15.829+/-0.002 χ^2/NDF: 15239568.6/56



Right In: 0.010+/-0.008 χ^2/NDF: 32.7/29

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

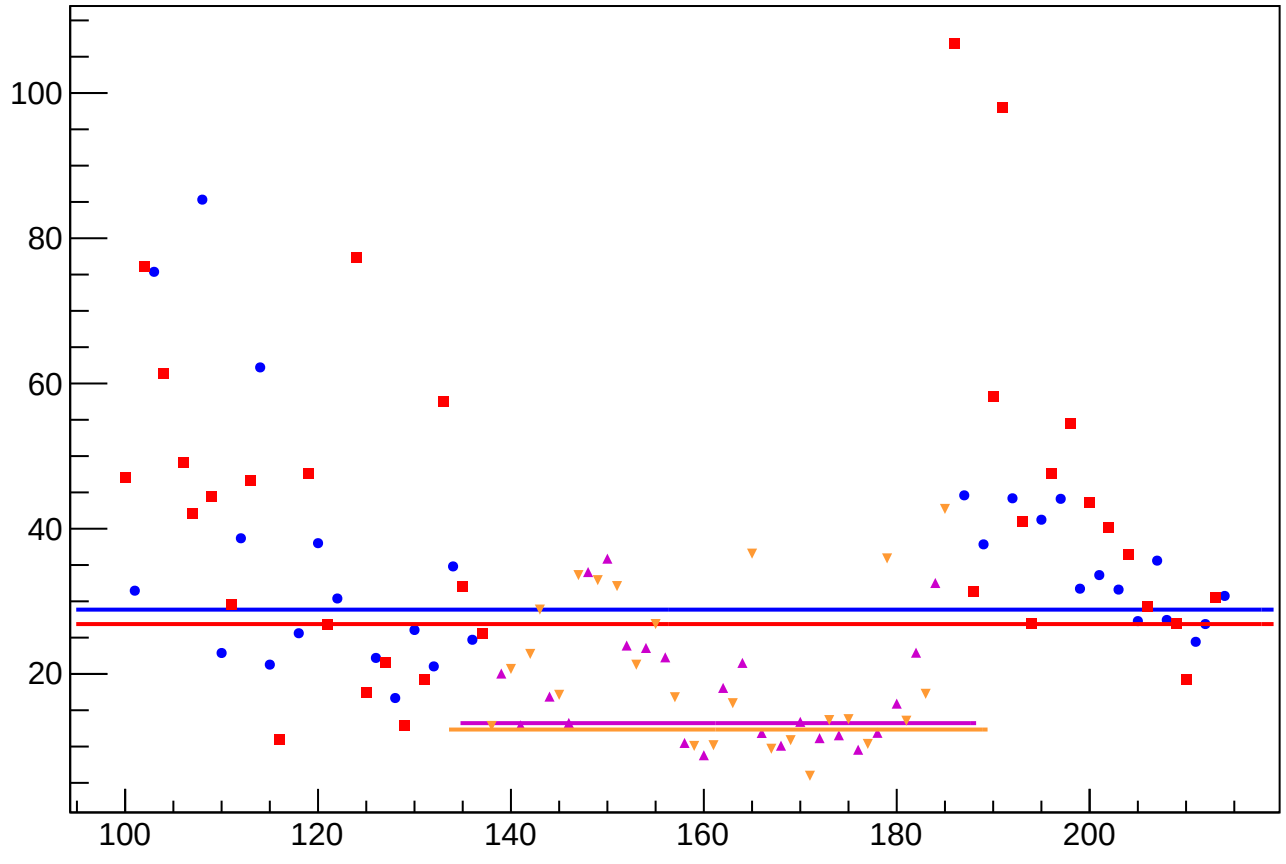
Right Out: 0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.6/54

All: 0.007+/-0.002 χ^2/NDF: 152.5/111

- sign 0.005+/-0.003 χ^2/NDF: 60.5/56



Right In: 28.856+/-0.005 χ^2/NDF: 2289539.0/29

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

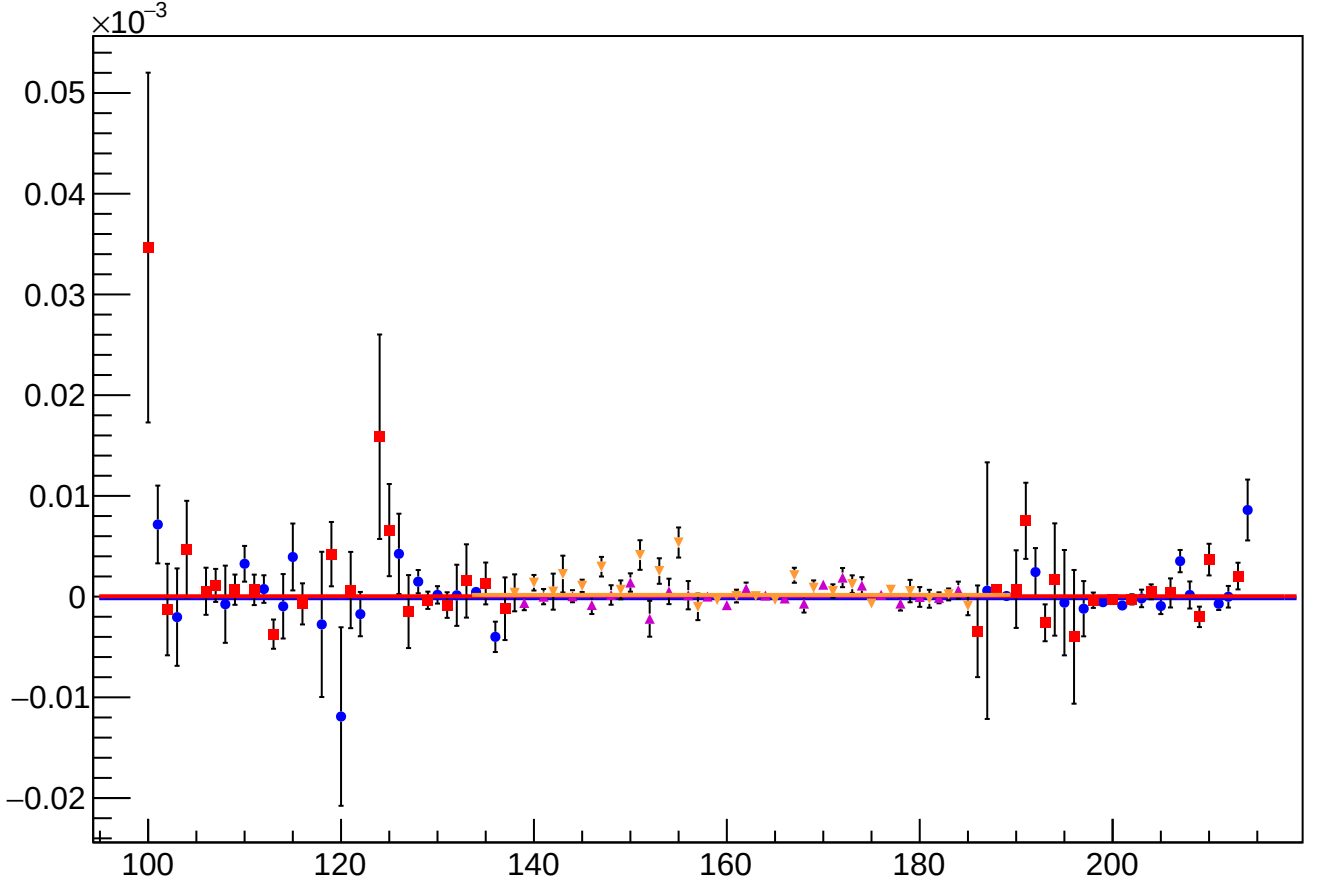
Right Out: 26.868+/-0.005 χ^2/NDF: 5987419.4/33

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.167+/-0.002 χ^2/NDF: 16851321.9/54

All: 15.485+/-0.002 χ^2/NDF: 32133491.9/111

- sign 15.829+/-0.002 χ^2/NDF: 15239568.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 50.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.0/33

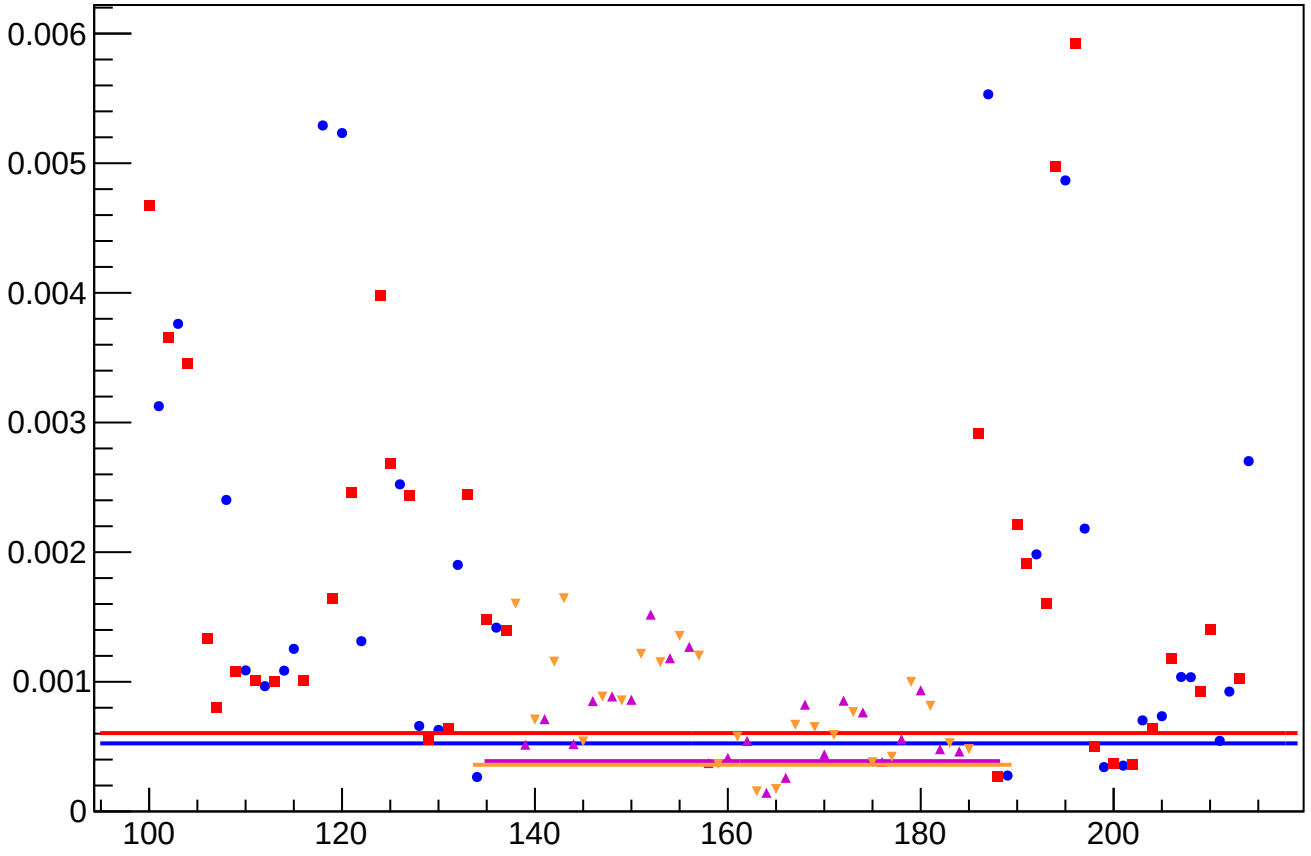
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.2/54

All: 0.000+/-0.000 χ^2/NDF: 182.7/111

- sign 0.000+/-0.000 χ^2/NDF: 67.6/56

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 13678003.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

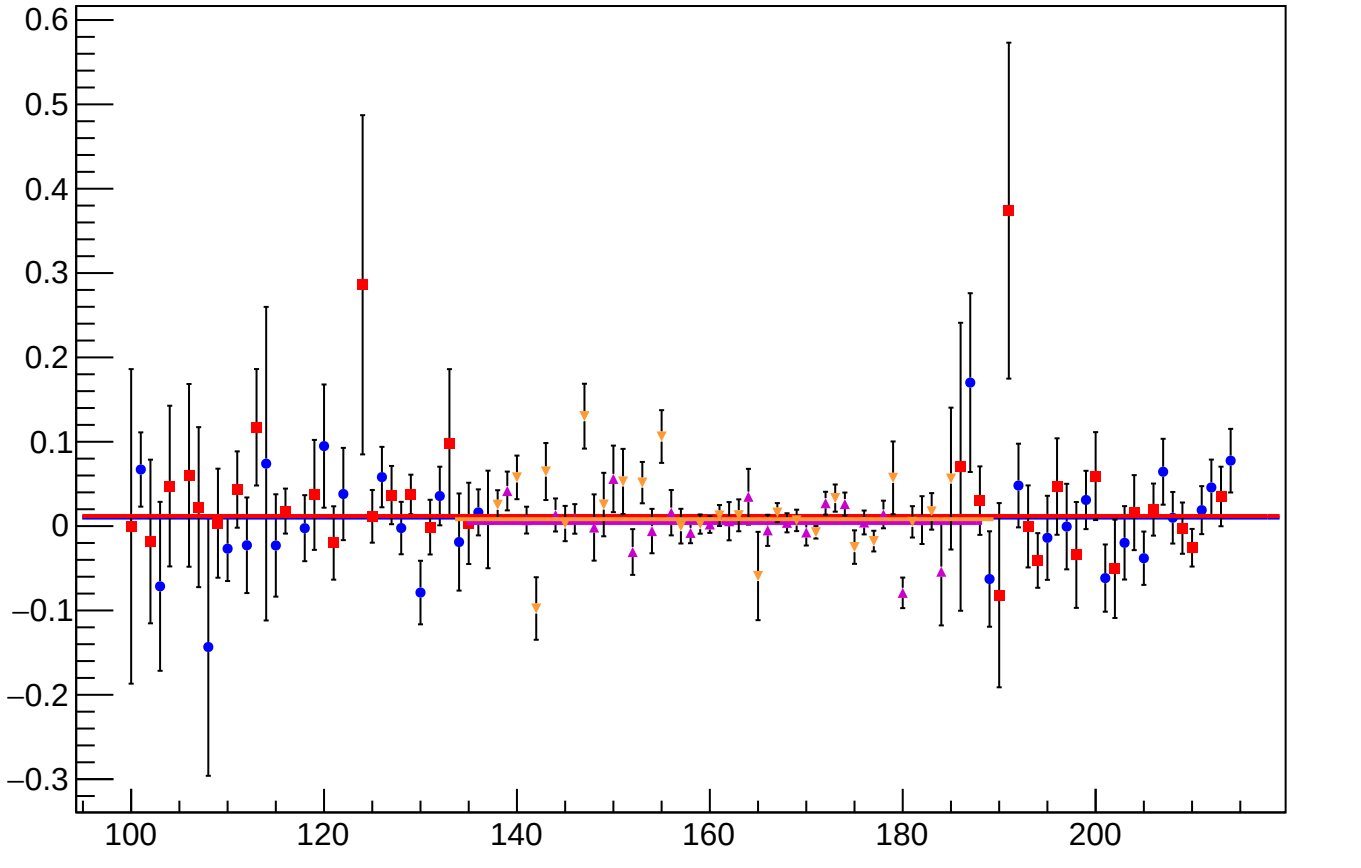
Right Out: 0.001+/-0.000 χ^2/NDF: 13031464.8/33

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 29083876.4/54

All: 0.000+/-0.000 χ^2/NDF: 54575530.0/111

- sign 0.000+/-0.000 χ^2/NDF: 25344901.1/56



Right In: 0.010+/-0.008 χ^2/NDF: 32.7/29

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

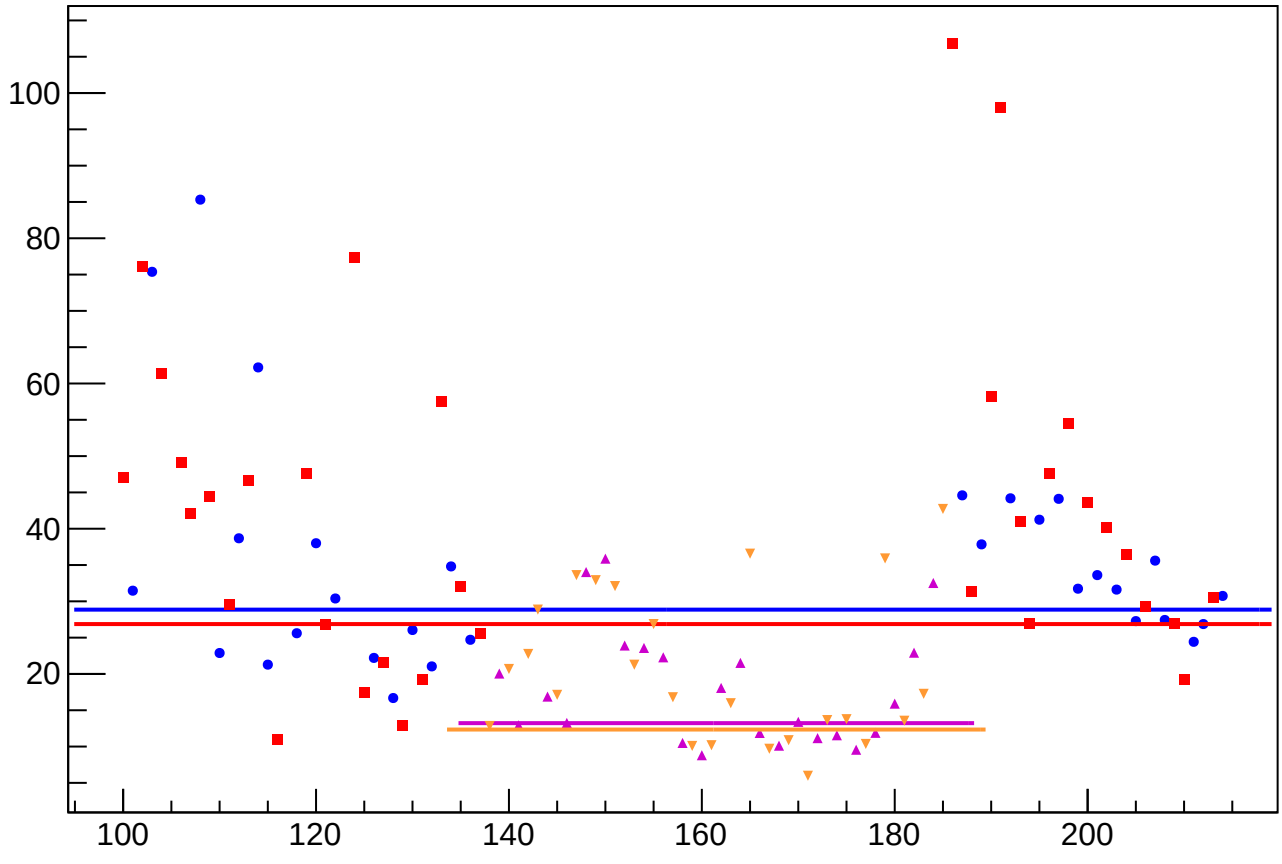
Right Out: 0.012+/-0.007 χ^2/NDF: 22.3/33

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 91.6/54

All: 0.007+/-0.002 χ^2/NDF: 152.5/111

- sign 0.005+/-0.003 χ^2/NDF: 60.5/56



Right In: 28.856+/-0.005 χ^2/NDF: 2289470.3/29

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

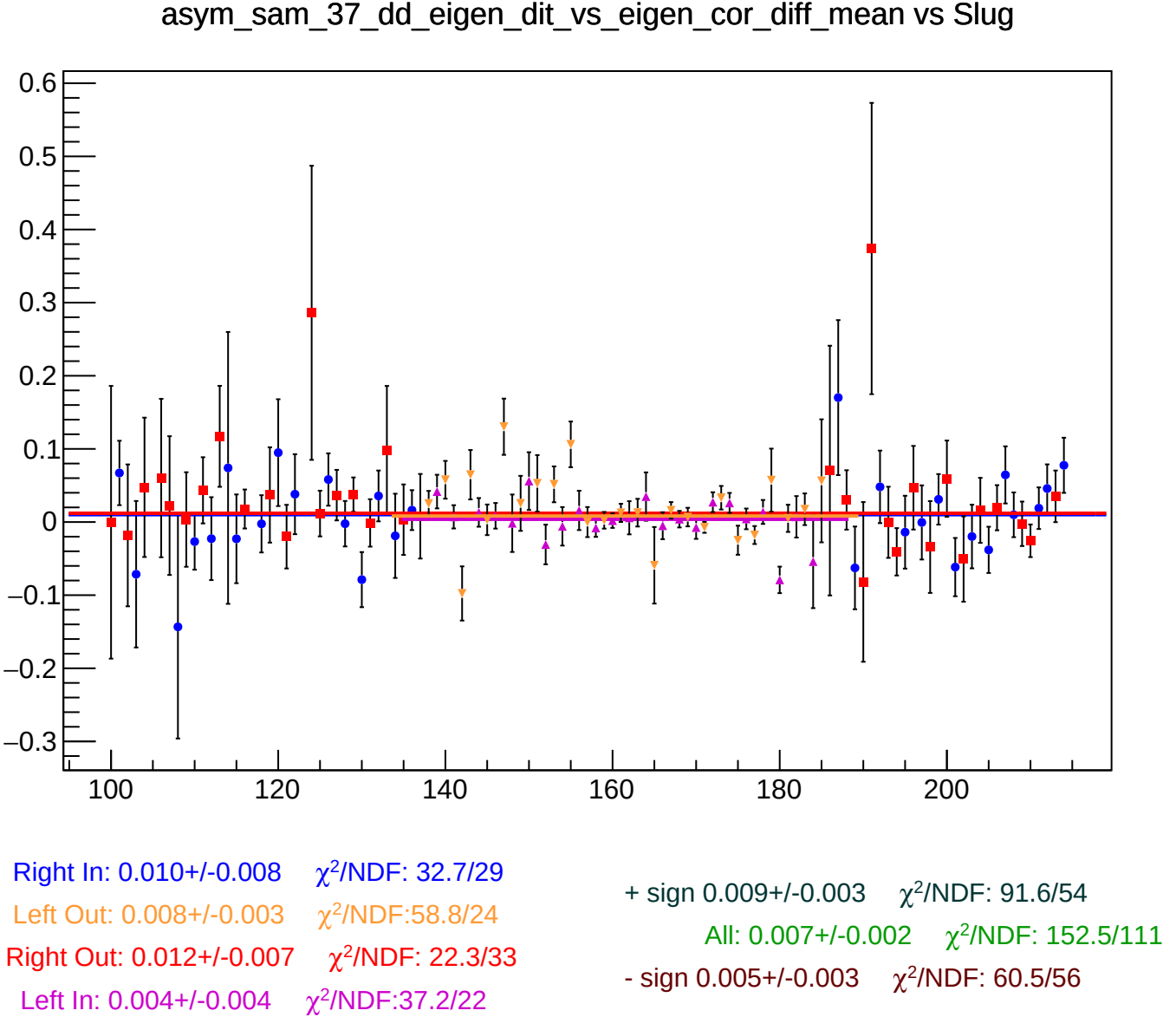
Right Out: 26.868+/-0.005 χ^2/NDF: 5987127.3/33

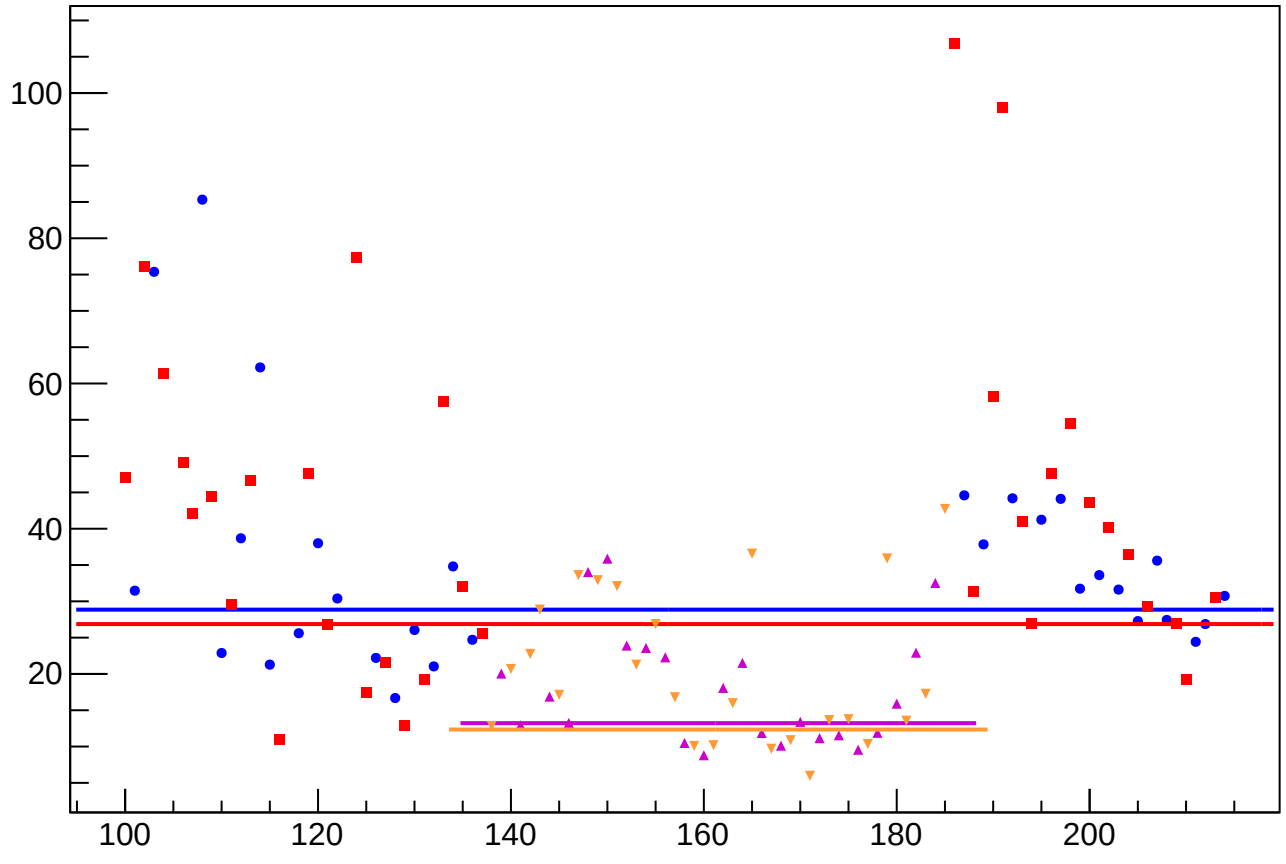
Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.167+/-0.002 χ^2/NDF: 16851599.0/54

All: 15.485+/-0.002 χ^2/NDF: 32133863.0/111

- sign 15.829+/-0.002 χ^2/NDF: 15239665.8/56


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.010+/-0.008 χ²/NDF: 32.7/29
Left Out: 0.008+/-0.003 χ²/NDF:58.8/24
Right Out: 0.012+/-0.007 χ²/NDF: 22.3/33
Left In: 0.004+/-0.004 χ²/NDF:37.2/22
+ sign 0.009+/-0.003 χ²/NDF: 91.6/54
All: 0.007+/-0.002 χ²/NDF: 152.5/111
- sign 0.005+/-0.003 χ²/NDF: 60.5/56



Right In: 28.856+/-0.005 χ^2/NDF: 2289470.3/29

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

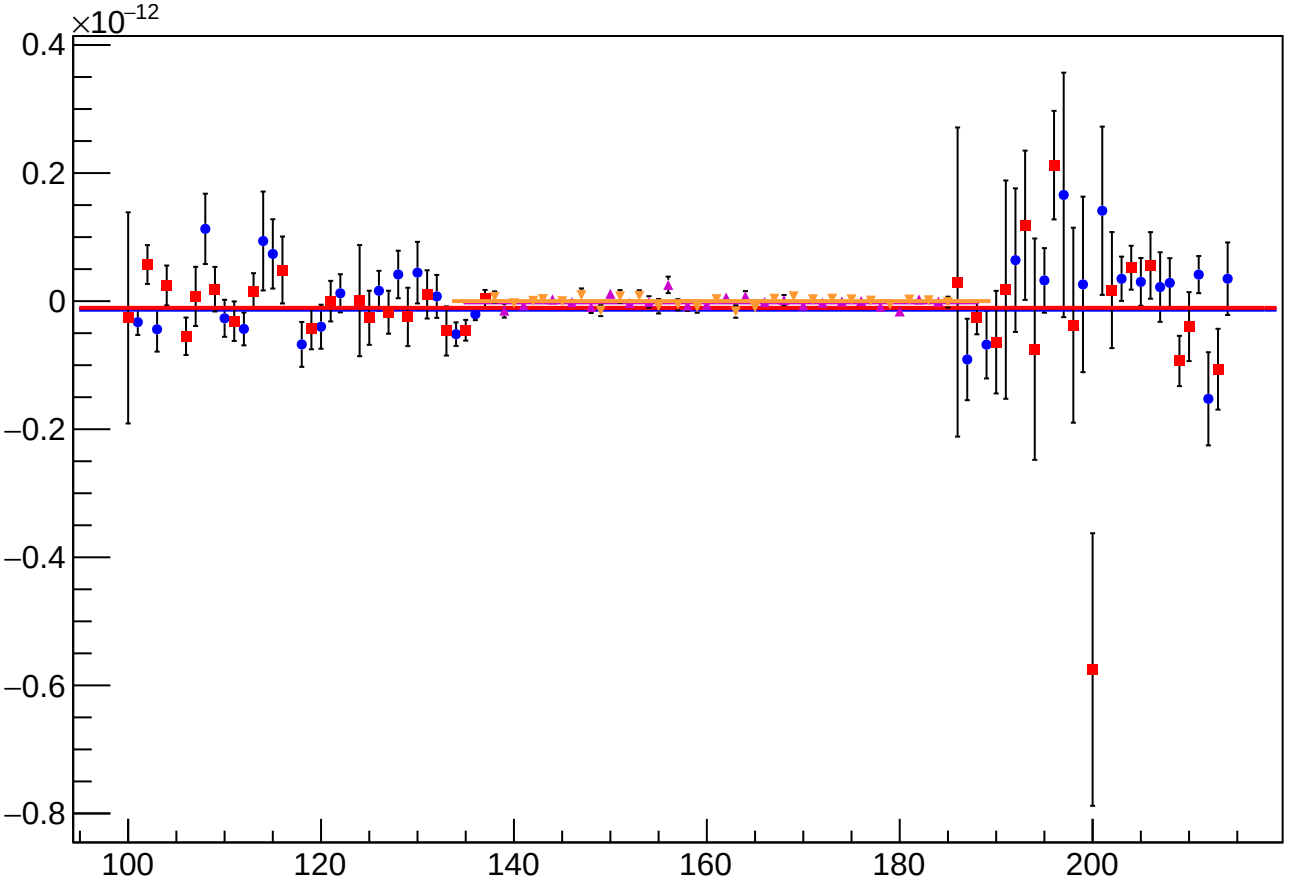
Right Out: 26.868+/-0.005 χ^2/NDF: 5987127.3/33

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.167+/-0.002 χ^2/NDF: 16851599.0/54

All: 15.485+/-0.002 χ^2/NDF: 32133863.0/111

- sign 15.829+/-0.002 χ^2/NDF: 15239665.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 45.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

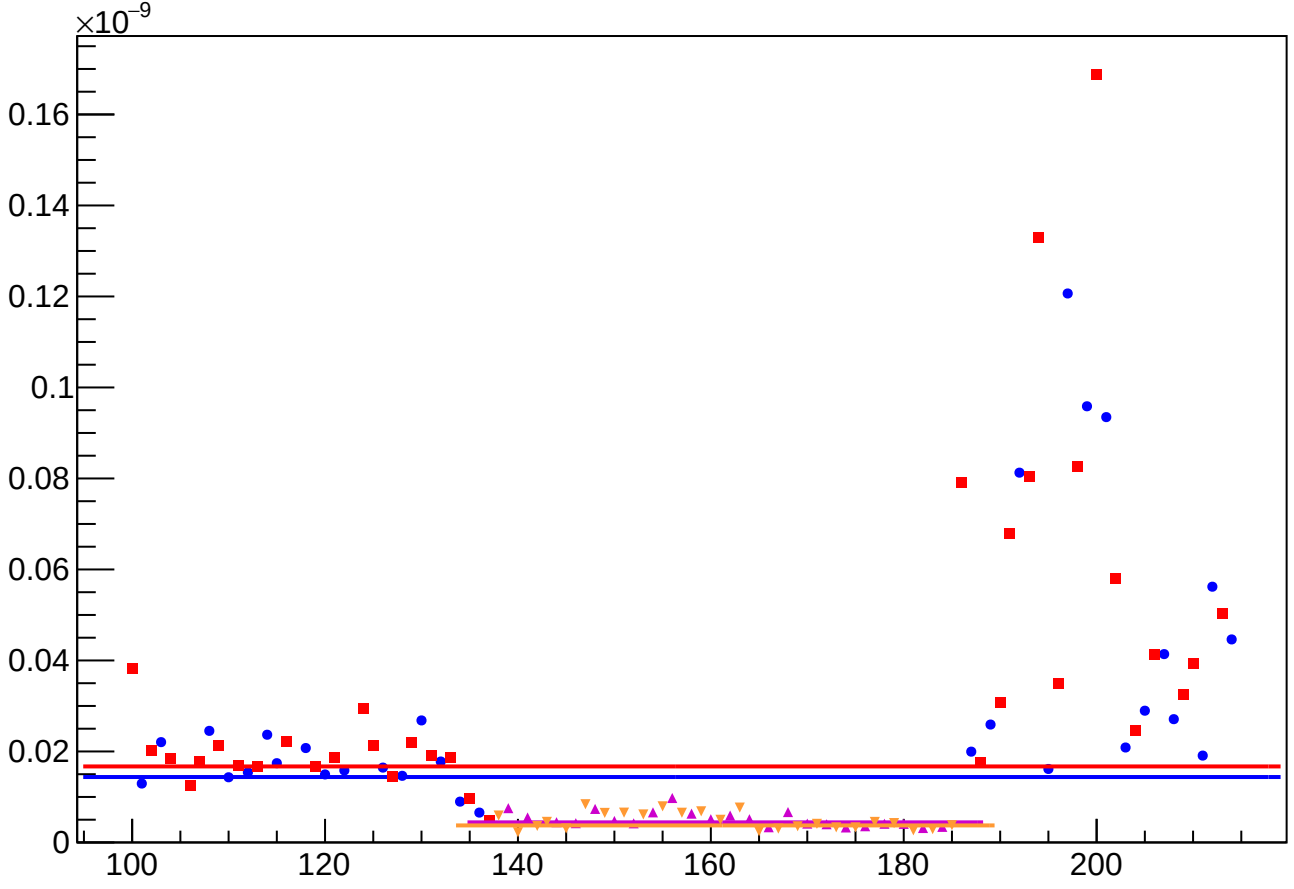
Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/33

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.0/54

All: -0.000+/-0.000 χ^2/NDF: 150.1/111

- sign -0.000+/-0.000 χ^2/NDF: 75.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 7311076.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7714598.4/33

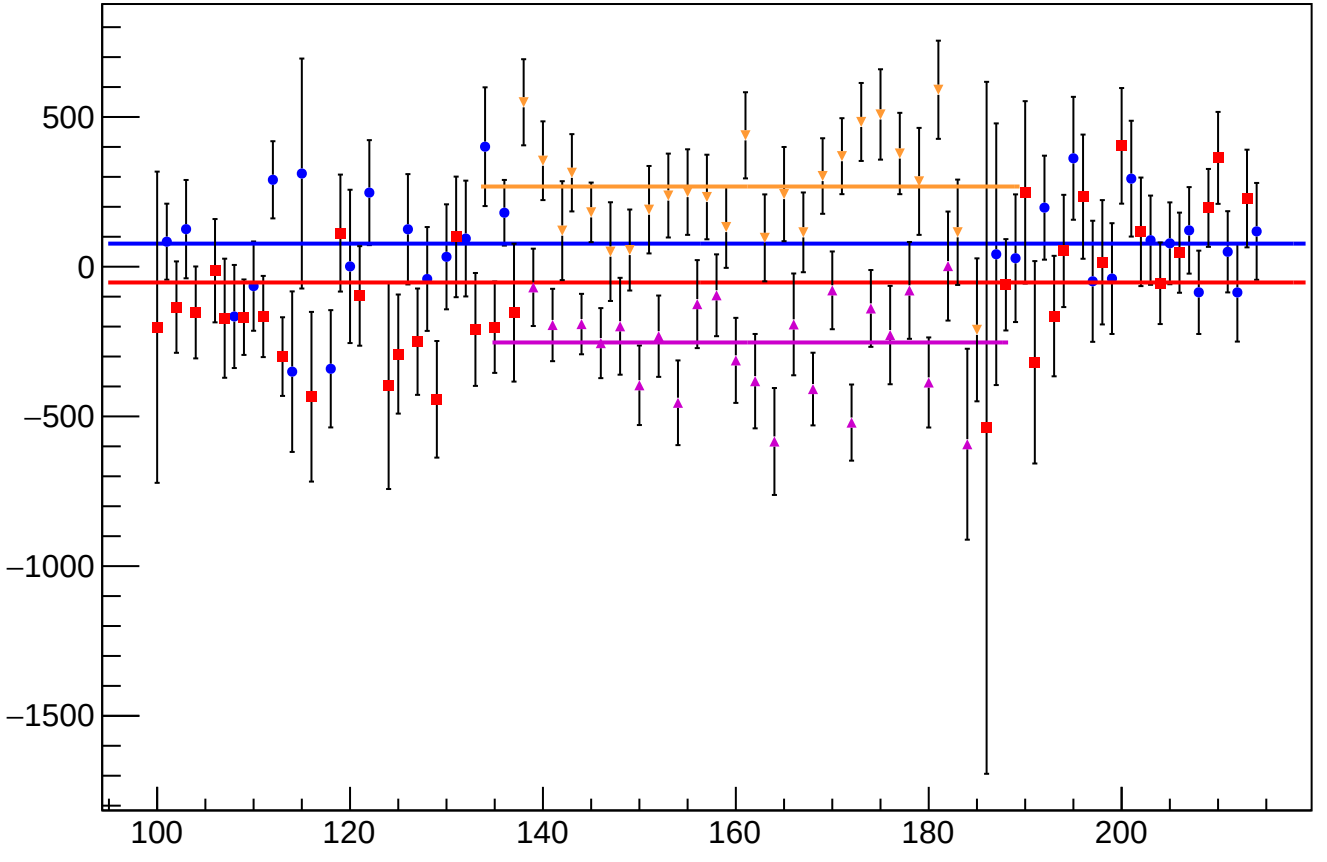
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17532651.0/54

All: 0.000+/-0.000 χ^2/NDF: 34998479.6/111

- sign 0.000+/-0.000 χ^2/NDF: 17076601.0/56

reg_asym_sam_48_dd_mean vs Slug



Right In: 77.089+/-30.777 χ^2/NDF: 25.4/29

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -52.692+/-30.522 χ^2/NDF: 44.4/33

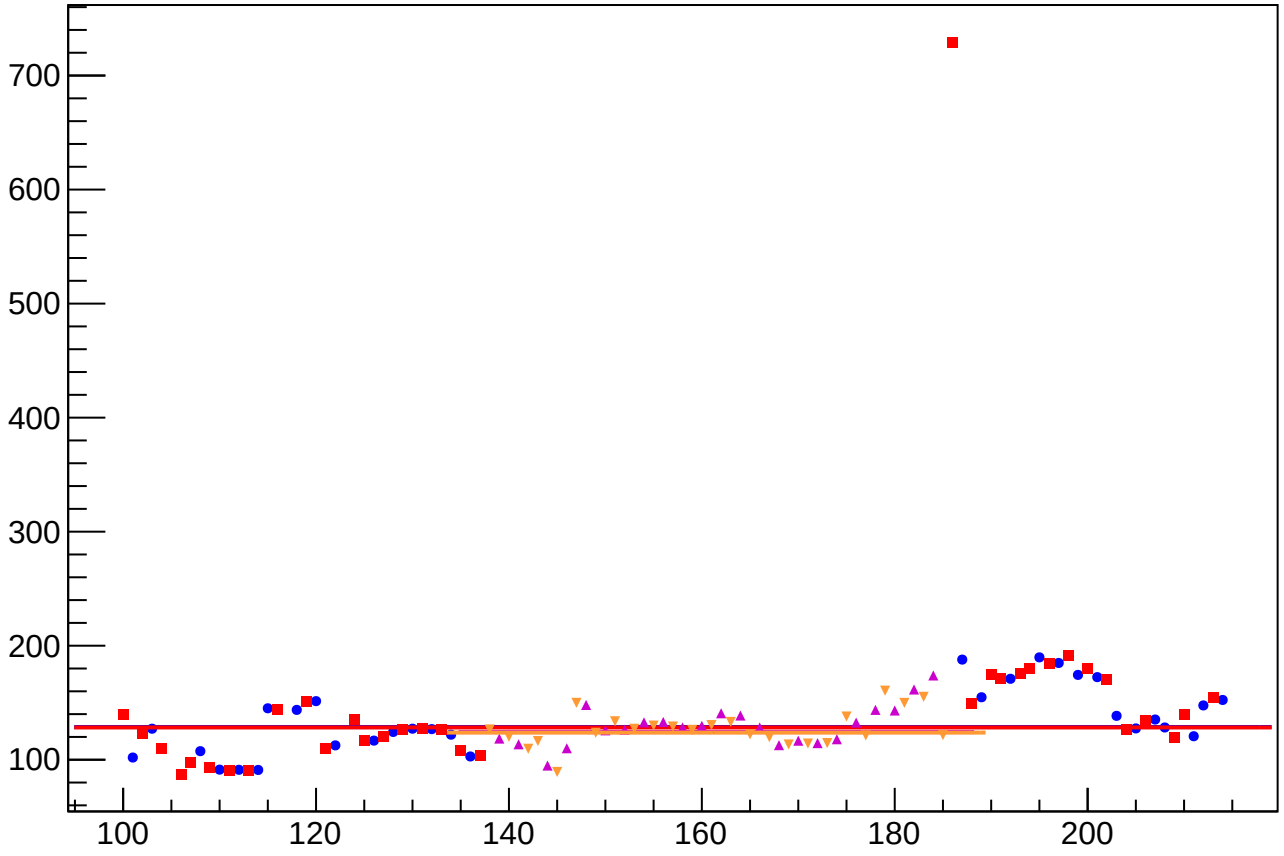
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 180.059+/-20.875 χ^2/NDF: 77.2/54

All: 13.714+/-14.854 χ^2/NDF: 298.8/111

- sign -156.917+/-21.142 χ^2/NDF: 93.0/56

reg_asym_sam_48_dd_rms vs Slug



Right In: 128.669+/-0.022 χ^2/NDF: 1456073.6/29

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.316+/-0.022 χ^2/NDF: 2385826.7/33

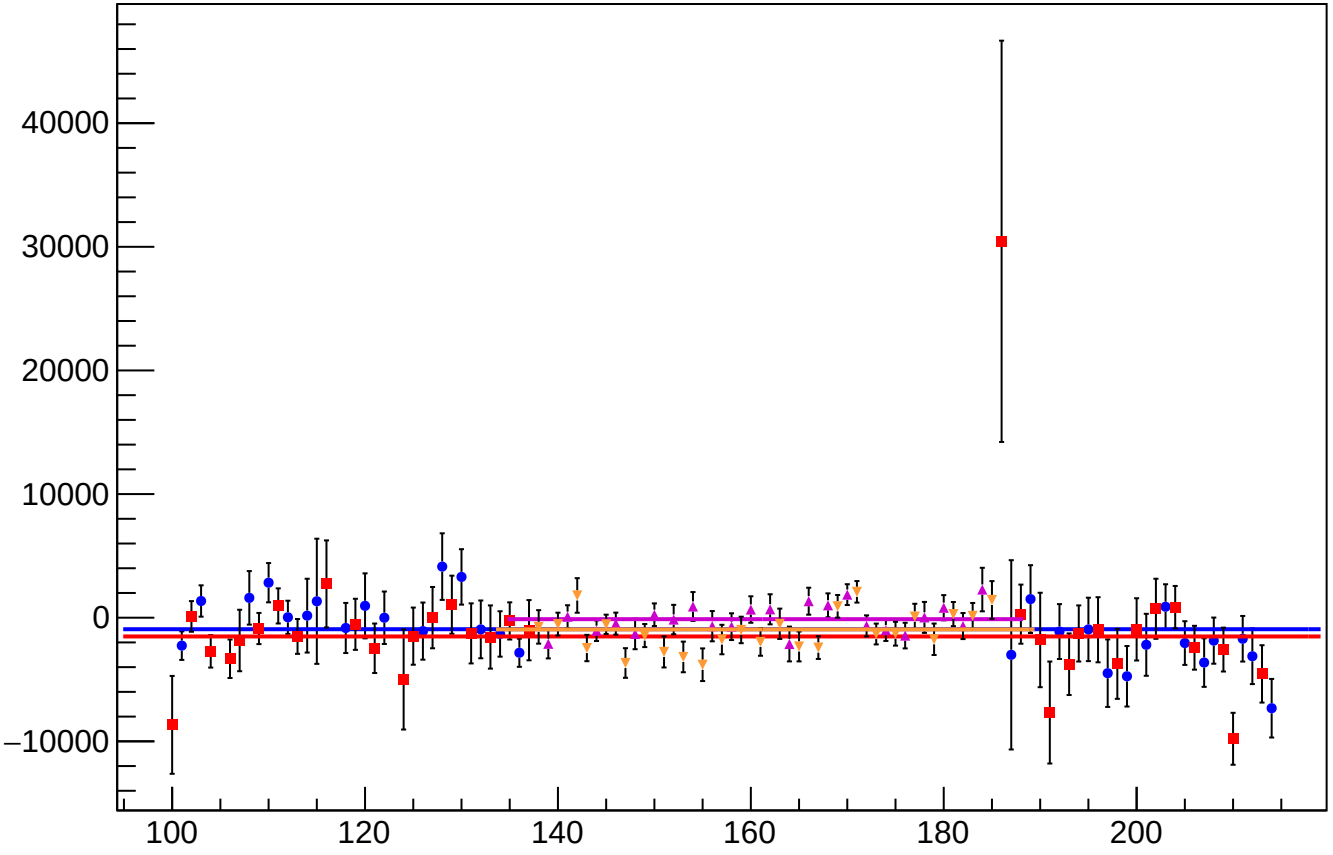
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.044+/-0.015 χ^2/NDF: 2081460.1/54

All: 126.124+/-0.011 χ^2/NDF: 5042948.5/111

- sign 126.206+/-0.015 χ^2/NDF: 2961428.9/56

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -931.161+/-356.312 χ^2/NDF: 40.2/29

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1517.145+/-348.491 χ^2/NDF: 44.3/33

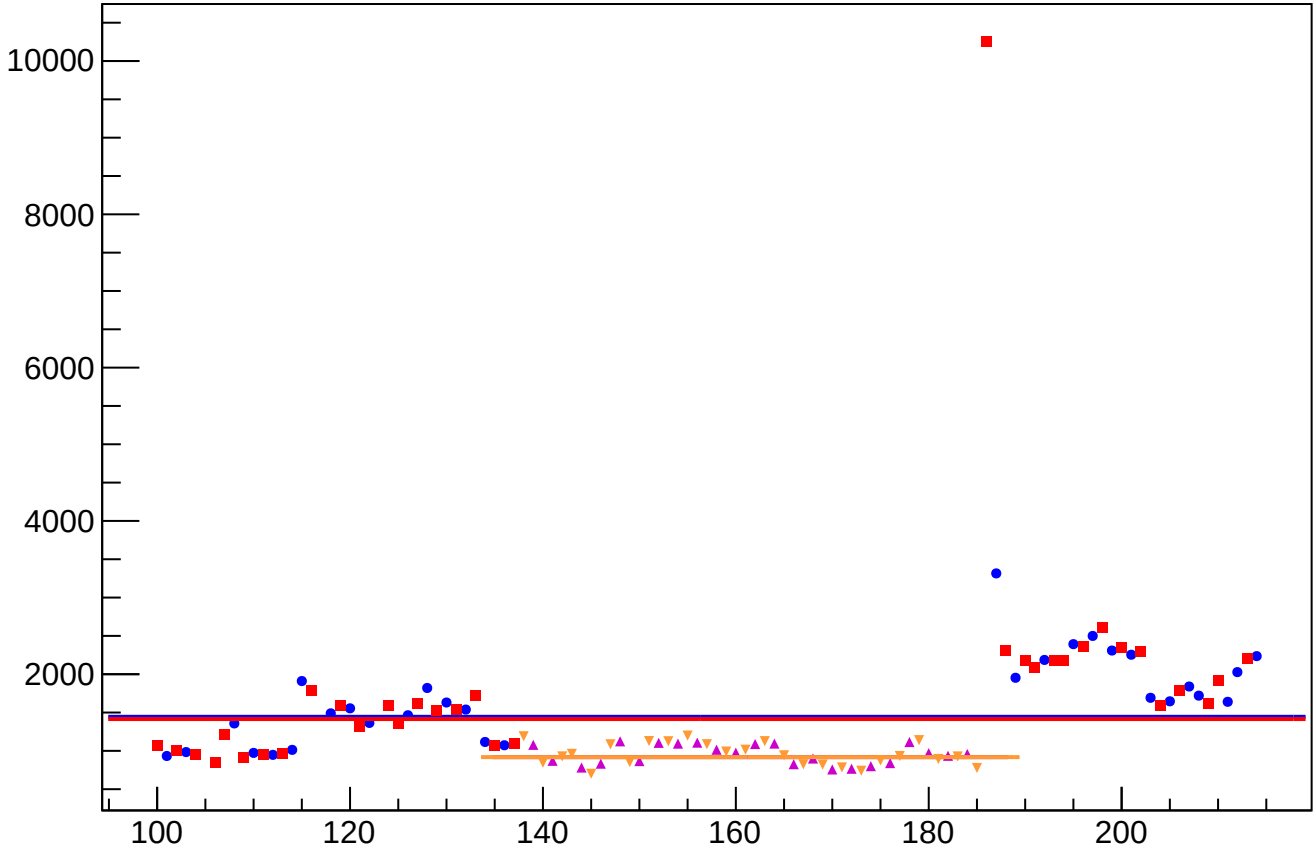
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -943.397+/-182.059 χ^2/NDF: 90.5/54

All: -729.193+/-129.523 χ^2/NDF: 173.6/111

- sign -509.665+/-184.308 χ^2/NDF: 80.3/56

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1444.214+/-0.252 χ^2/NDF: 3516336.4/29

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1415.224+/-0.246 χ^2/NDF: 4800949.8/33

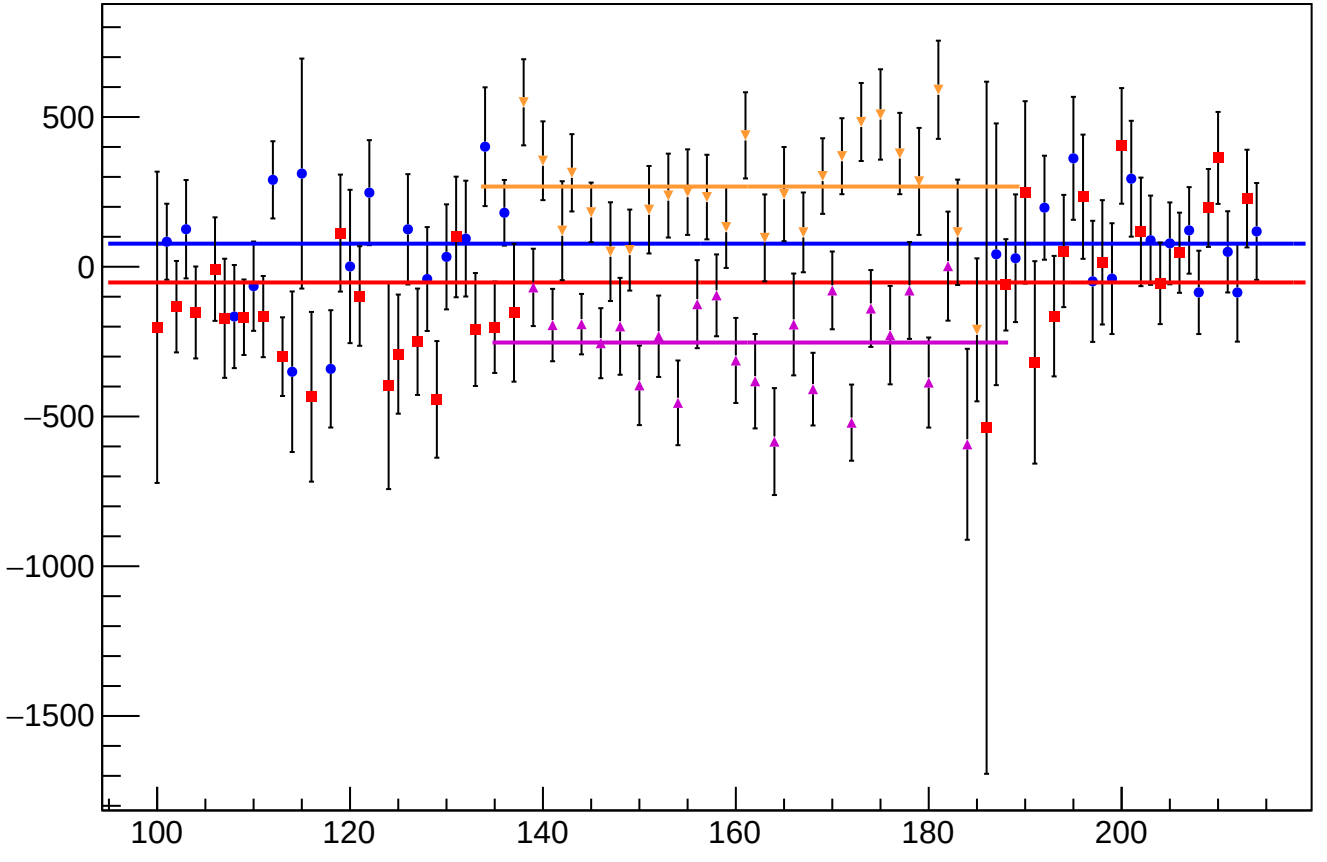
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1055.752+/-0.129 χ^2/NDF: 7621274.3/54

All: 1056.483+/-0.092 χ^2/NDF: 16018677.0/1

- sign 1057.232+/-0.130 χ^2/NDF: 8397337.4/56

cor_asym_sam_48_dd_mean vs Slug



Right In: 77.083+/-30.777 χ^2/NDF: 25.5/29

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -52.460+/-30.525 χ^2/NDF: 44.4/33

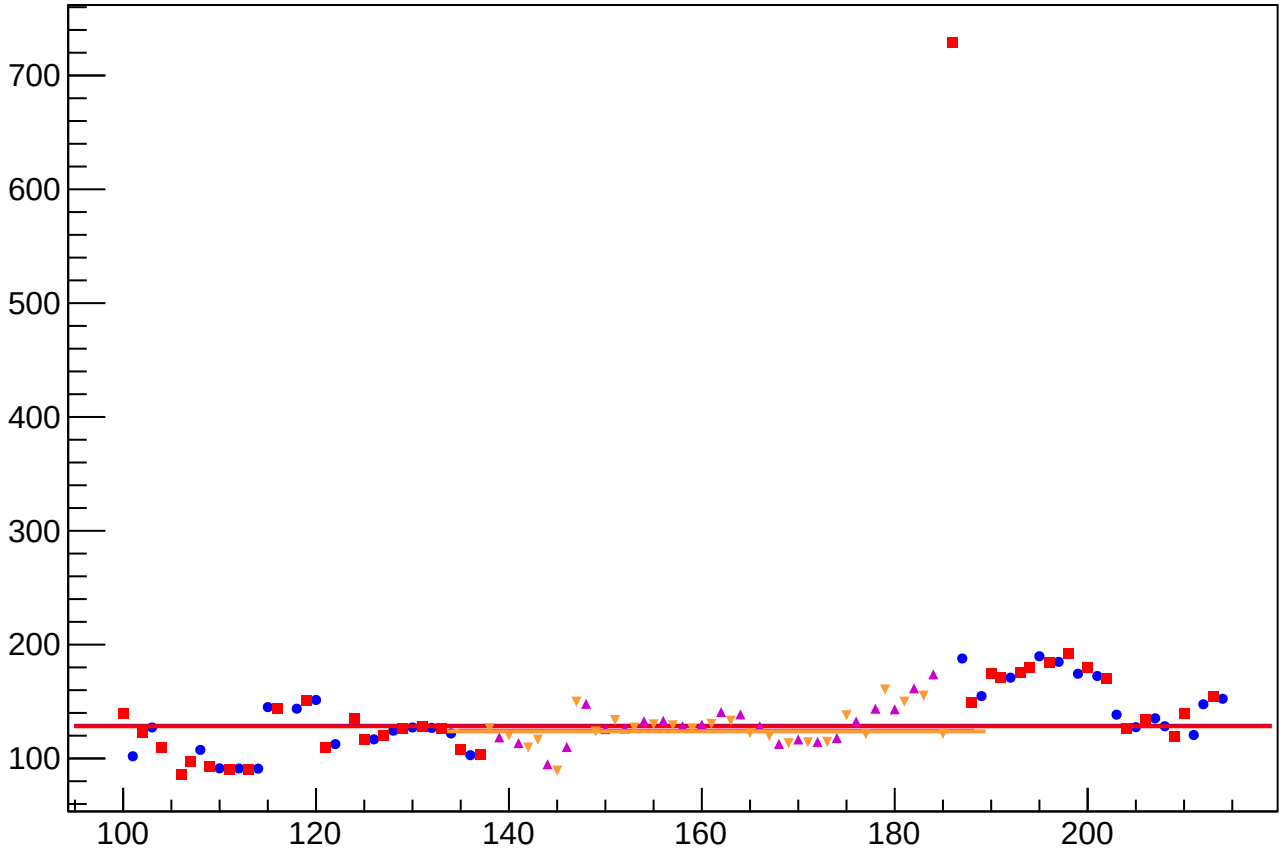
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 180.061+/-20.875 χ^2/NDF: 77.2/54

All: 13.772+/-14.854 χ^2/NDF: 298.8/111

- sign -156.815+/-21.143 χ^2/NDF: 93.0/56

cor_asym_sam_48_dd_rms vs Slug



Right In: 128.669+/-0.022 χ^2/NDF: 1456073.5/29

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 128.288+/-0.022 χ^2/NDF: 2391777.2/33

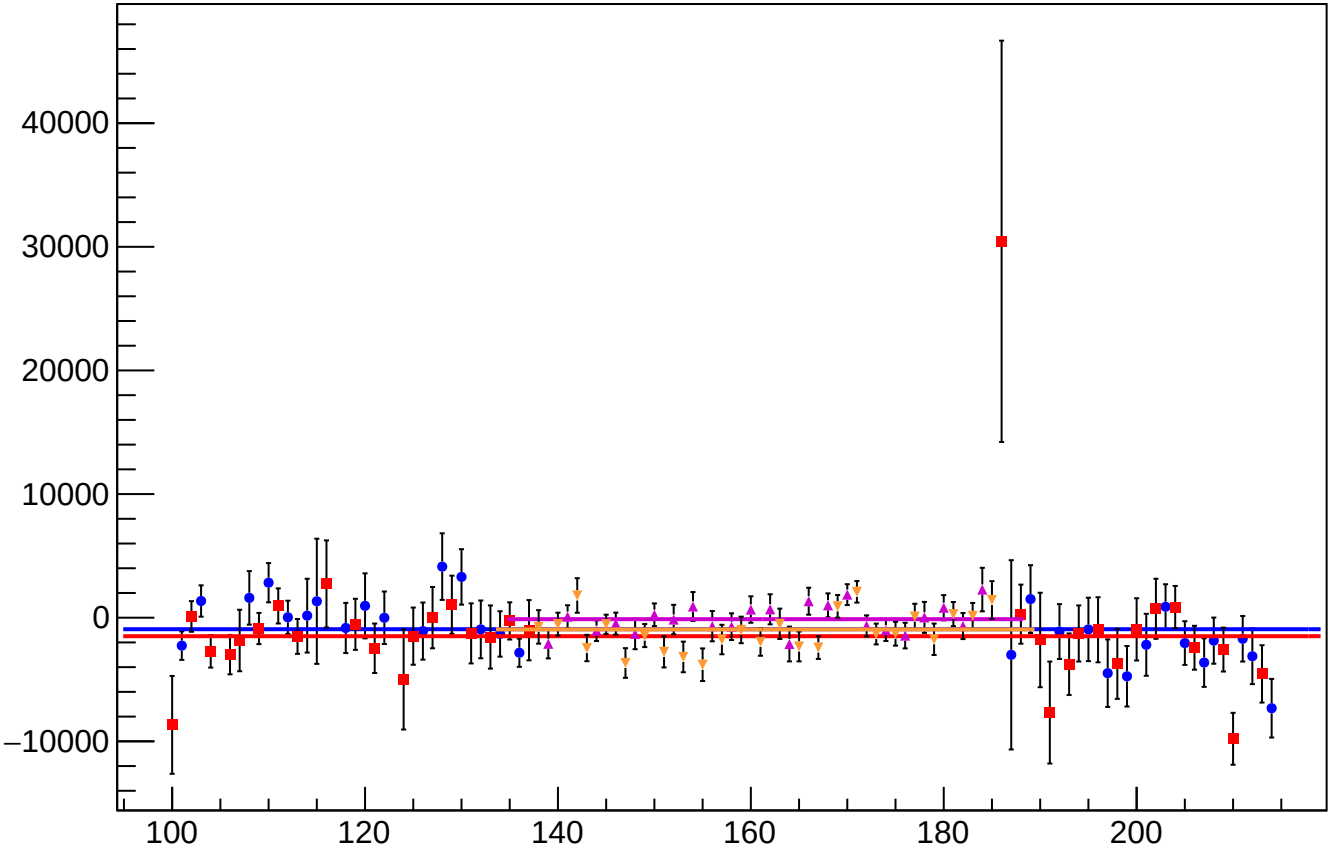
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.044+/-0.015 χ^2/NDF: 2081460.3/54

All: 126.117+/-0.011 χ^2/NDF: 5048628.6/111

- sign 126.192+/-0.015 χ^2/NDF: 2967118.7/56

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -931.222+/-356.313 χ^2/NDF: 40.2/29

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1497.248+/-348.901 χ^2/NDF: 43.8/33

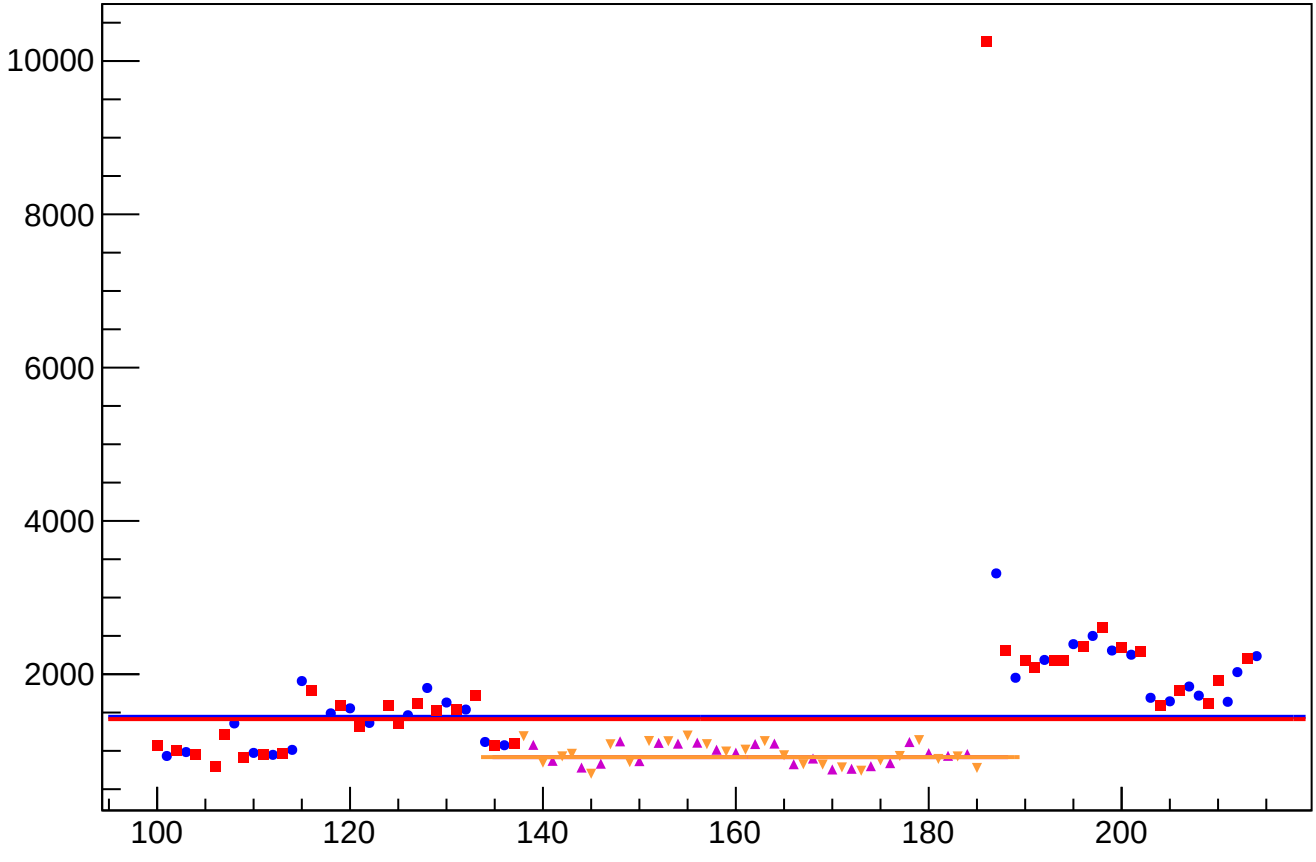
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -943.405+/-182.060 χ^2/NDF: 90.5/54

All: -726.199+/-129.544 χ^2/NDF: 172.8/111

- sign -503.448+/-184.369 χ^2/NDF: 79.4/56

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1444.223+/-0.252 χ^2/NDF: 3516239.1/29

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1414.157+/-0.247 χ^2/NDF: 4835518.5/33

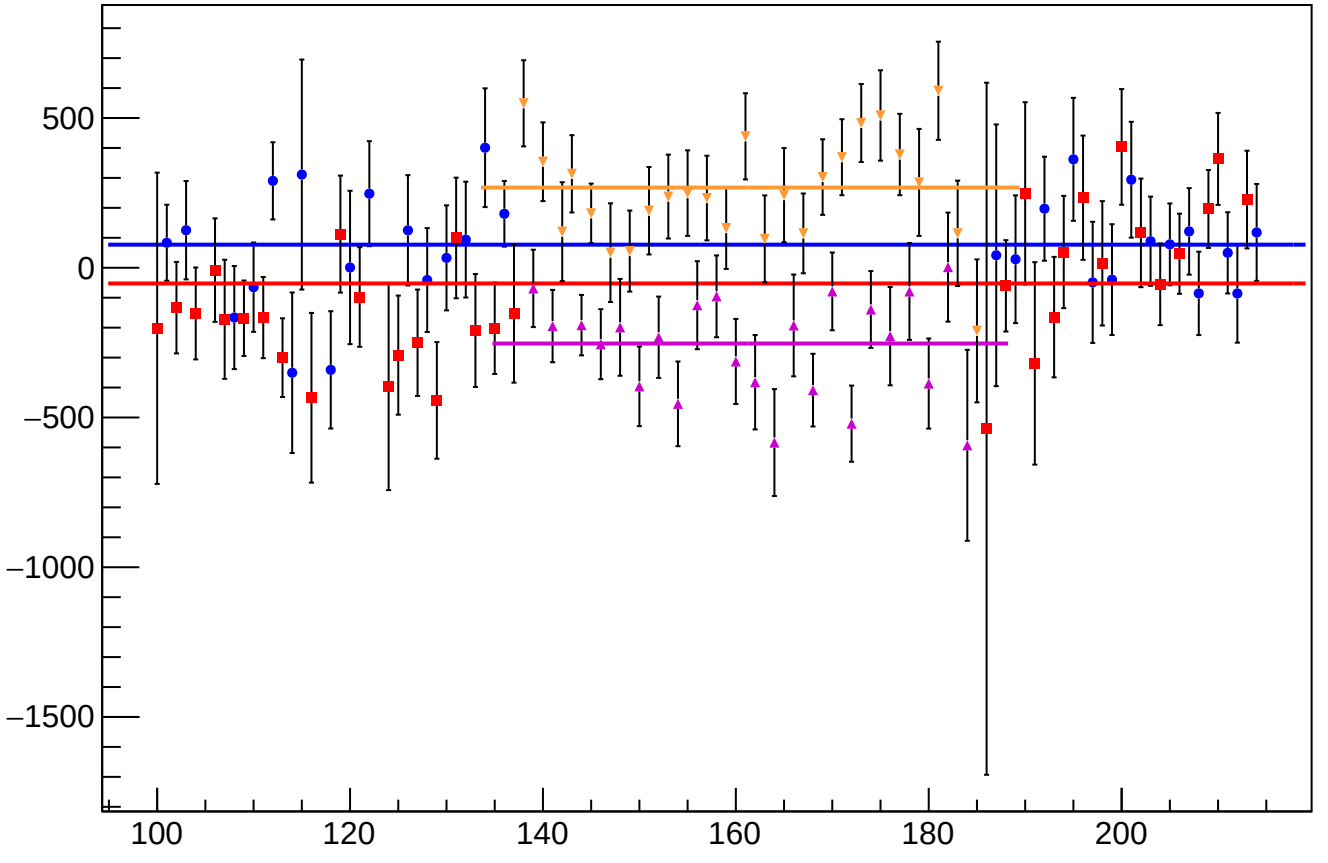
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1055.753+/-0.129 χ^2/NDF: 7621262.6/54

All: 1056.220+/-0.092 χ^2/NDF: 16035670.7/1

- sign 1056.699+/-0.130 χ^2/NDF: 8414381.5/56

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 77.083+/-30.777 χ^2/NDF: 25.5/29

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -52.460+/-30.525 χ^2/NDF: 44.4/33

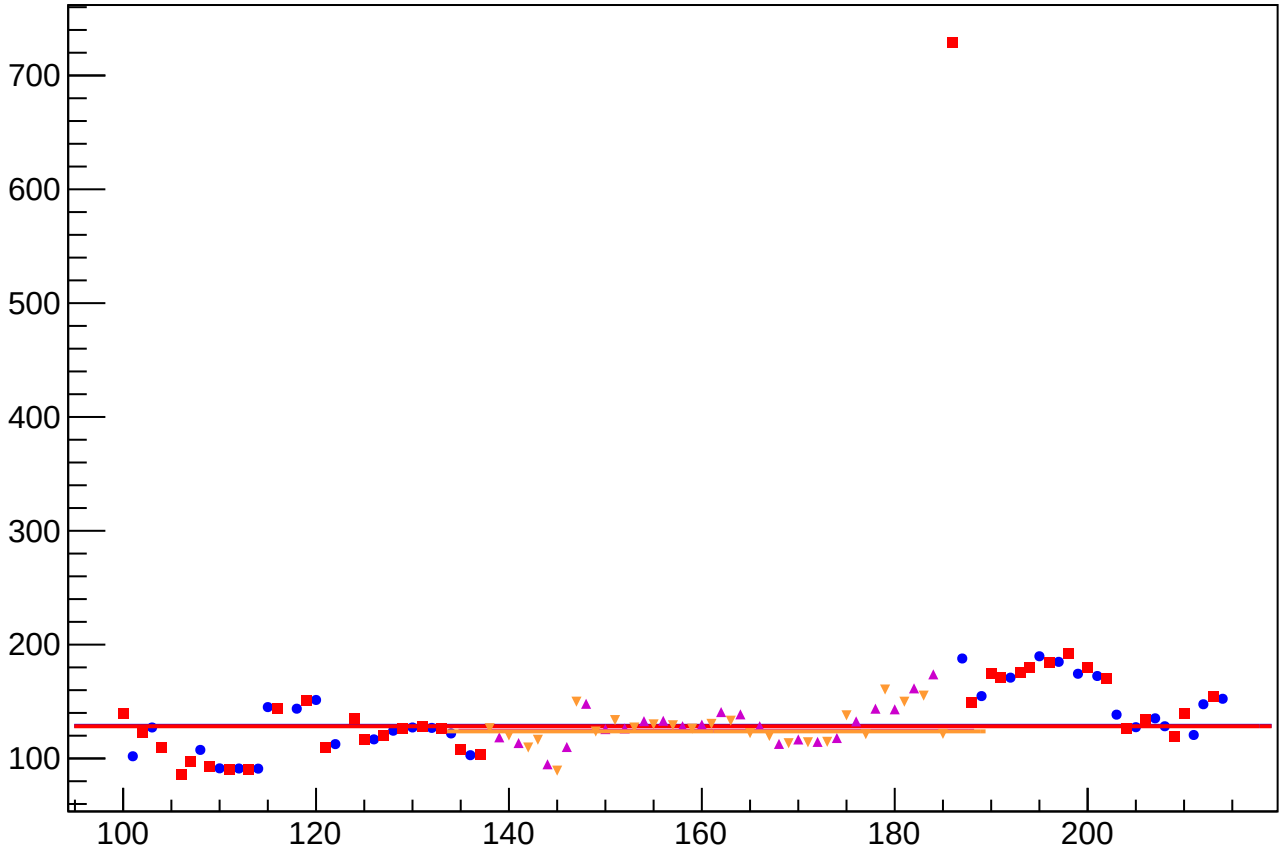
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 180.061+/-20.875 χ^2/NDF: 77.2/54

All: 13.772+/-14.854 χ^2/NDF: 298.8/111

- sign -156.815+/-21.143 χ^2/NDF: 93.0/56

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 128.669+/-0.022 χ^2/NDF: 1456073.5/29

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

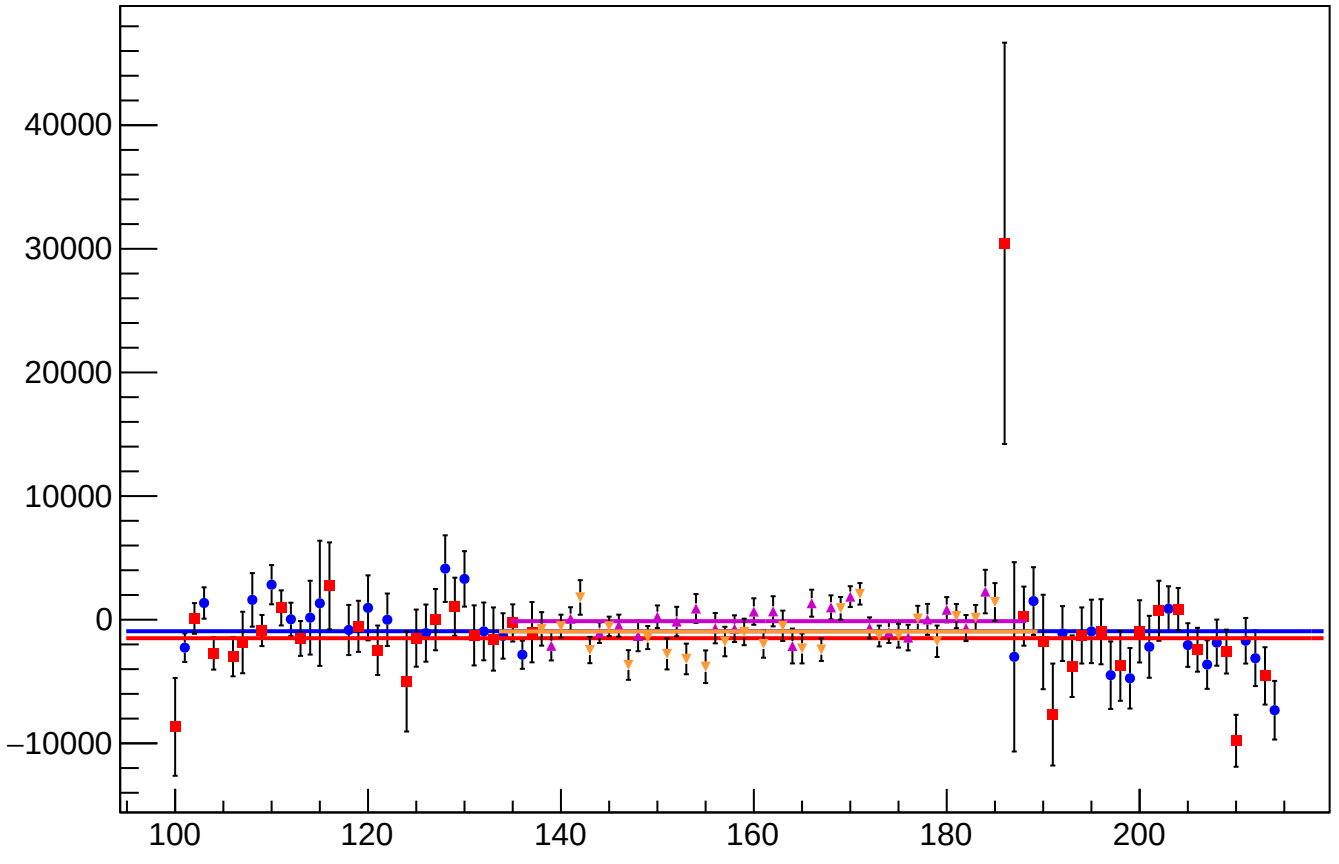
Right Out: 128.288+/-0.022 χ^2/NDF: 2391777.2/33

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.044+/-0.015 χ^2/NDF: 2081460.3/54

All: 126.117+/-0.011 χ^2/NDF: 5048628.6/111

- sign 126.192+/-0.015 χ^2/NDF: 2967118.7/56



Right In: -931.222+/-356.313 χ^2/NDF: 40.2/29

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

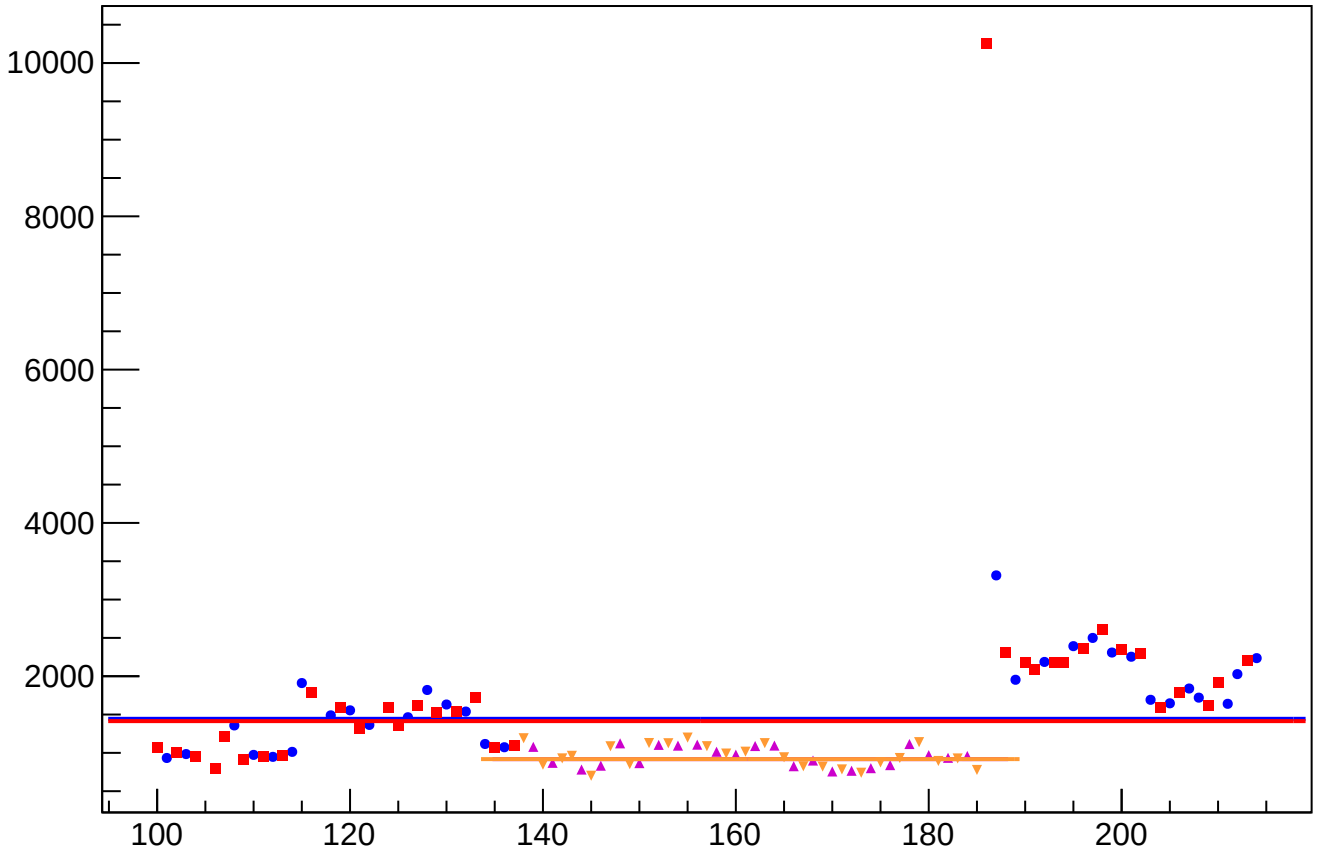
Right Out: -1497.248+/-348.901 χ^2/NDF: 43.8/33

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -943.405+/-182.060 χ^2/NDF: 90.5/54

All: -726.199+/-129.544 χ^2/NDF: 172.8/111

- sign -503.448+/-184.369 χ^2/NDF: 79.4/56



Right In: 1444.223+/-0.252 χ^2/NDF: 3516239.1/29

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1414.157+/-0.247 χ^2/NDF: 4835518.5/33

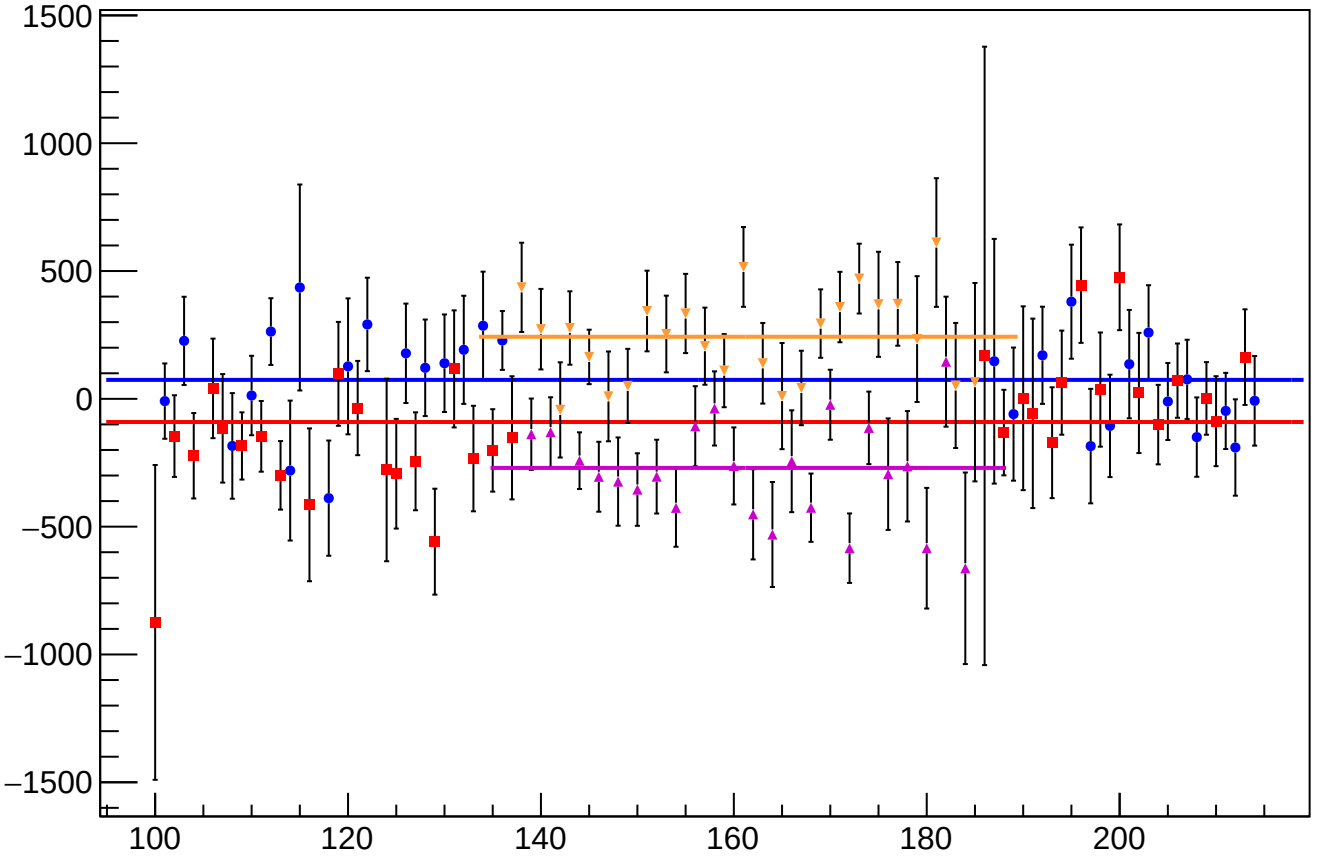
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1055.753+/-0.129 χ^2/NDF: 7621262.6/54

All: 1056.220+/-0.092 χ^2/NDF: 16035670.7/1

- sign 1056.699+/-0.130 χ^2/NDF: 8414381.5/56

dit_asym_sam_48_dd_mean vs Slug



Right In: 74.200+/-33.620 χ^2/NDF: 27.5/29

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -90.602+/-33.107 χ^2/NDF: 34.9/33

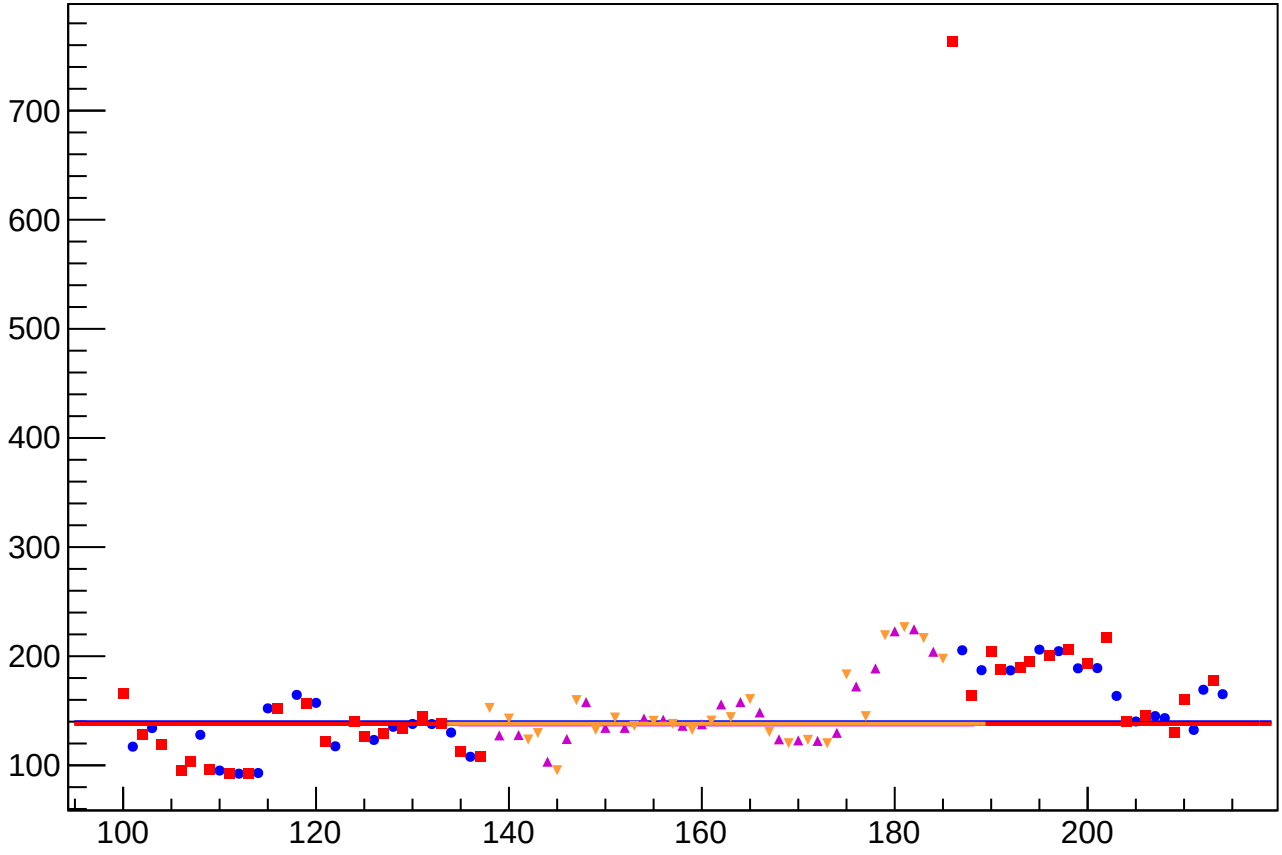
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 162.344+/-23.232 χ^2/NDF: 64.3/54

All: -8.573+/-16.463 χ^2/NDF: 249.5/111

- sign -181.006+/-23.334 χ^2/NDF: 76.4/56

dit_asym_sam_48_dd_rms vs Slug



Right In: 139.474+/-0.024 χ^2/NDF: 1714312.7/29

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 137.889+/-0.023 χ^2/NDF: 2761488.9/33

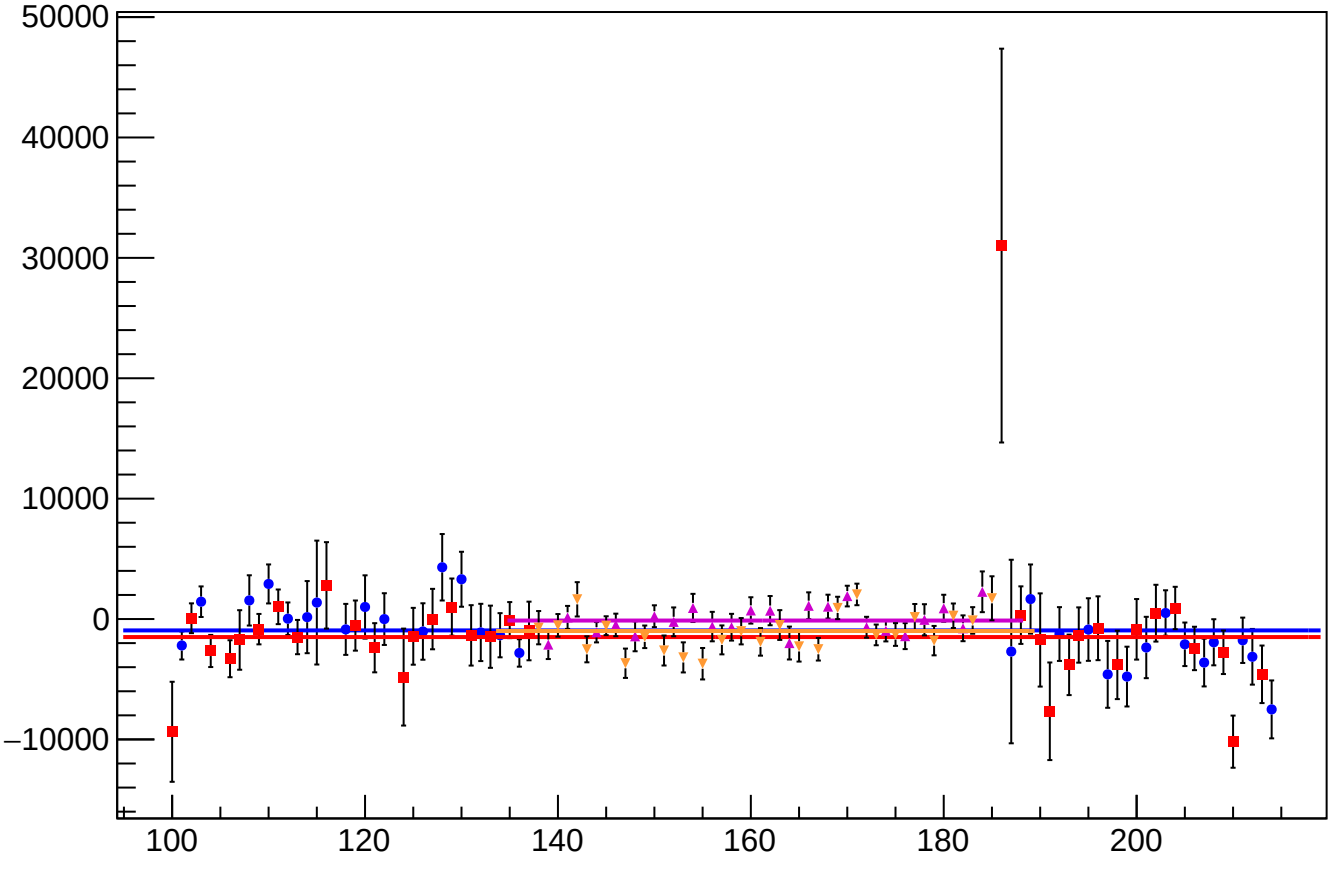
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 138.770+/-0.016 χ^2/NDF: 3054297.8/54

All: 138.232+/-0.012 χ^2/NDF: 6927423.1/111

- sign 137.689+/-0.016 χ^2/NDF: 3870967.5/56

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -944.994+/-360.726 χ^2/NDF: 40.1/29

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1497.089+/-351.479 χ^2/NDF: 45.2/33

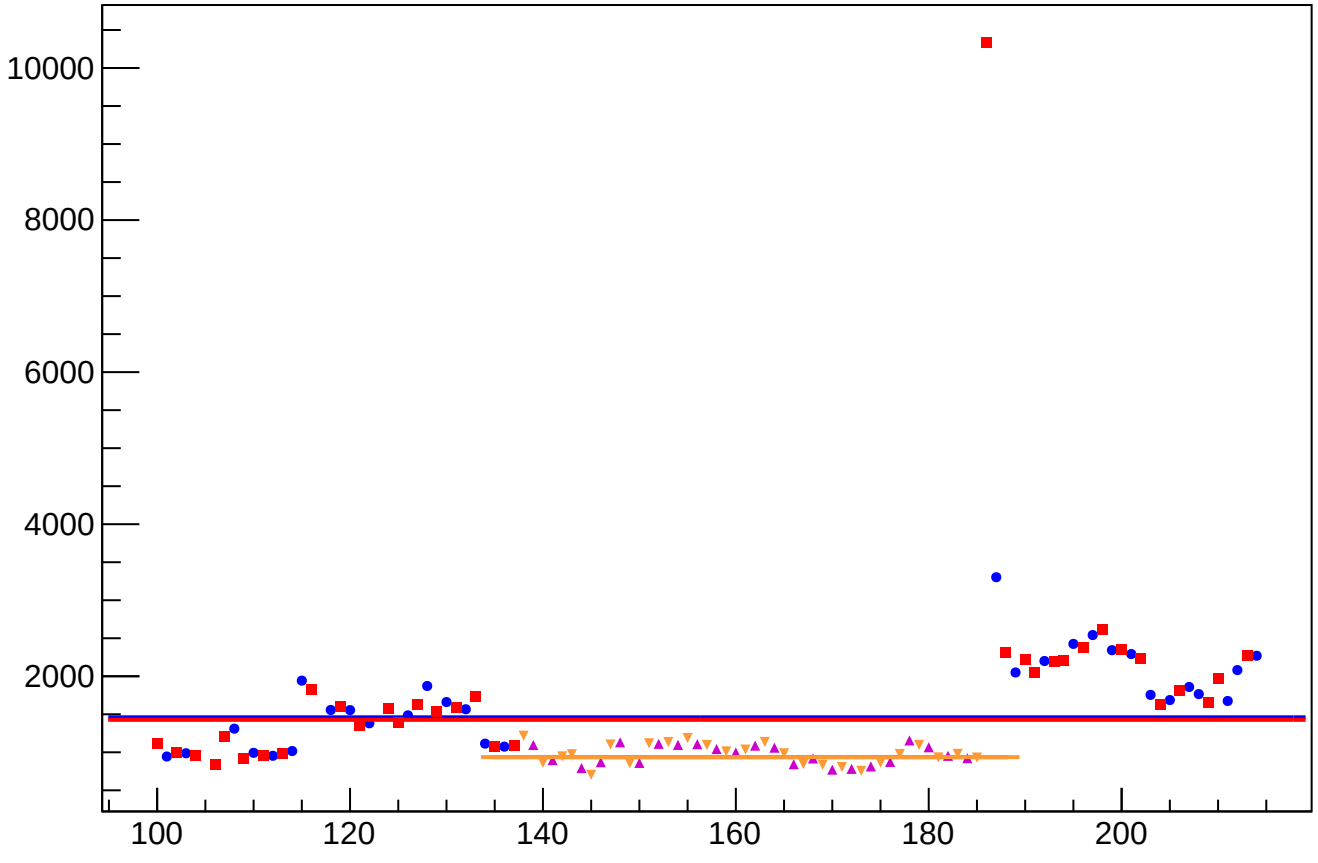
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -980.535+/-185.097 χ^2/NDF: 87.1/54

All: -750.331+/-131.660 χ^2/NDF: 170.1/111

- sign -514.584+/-187.312 χ^2/NDF: 79.9/56

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1460.124+/-0.255 χ^2/NDF: 3637394.1/29

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1427.034+/-0.249 χ^2/NDF: 4842390.2/33

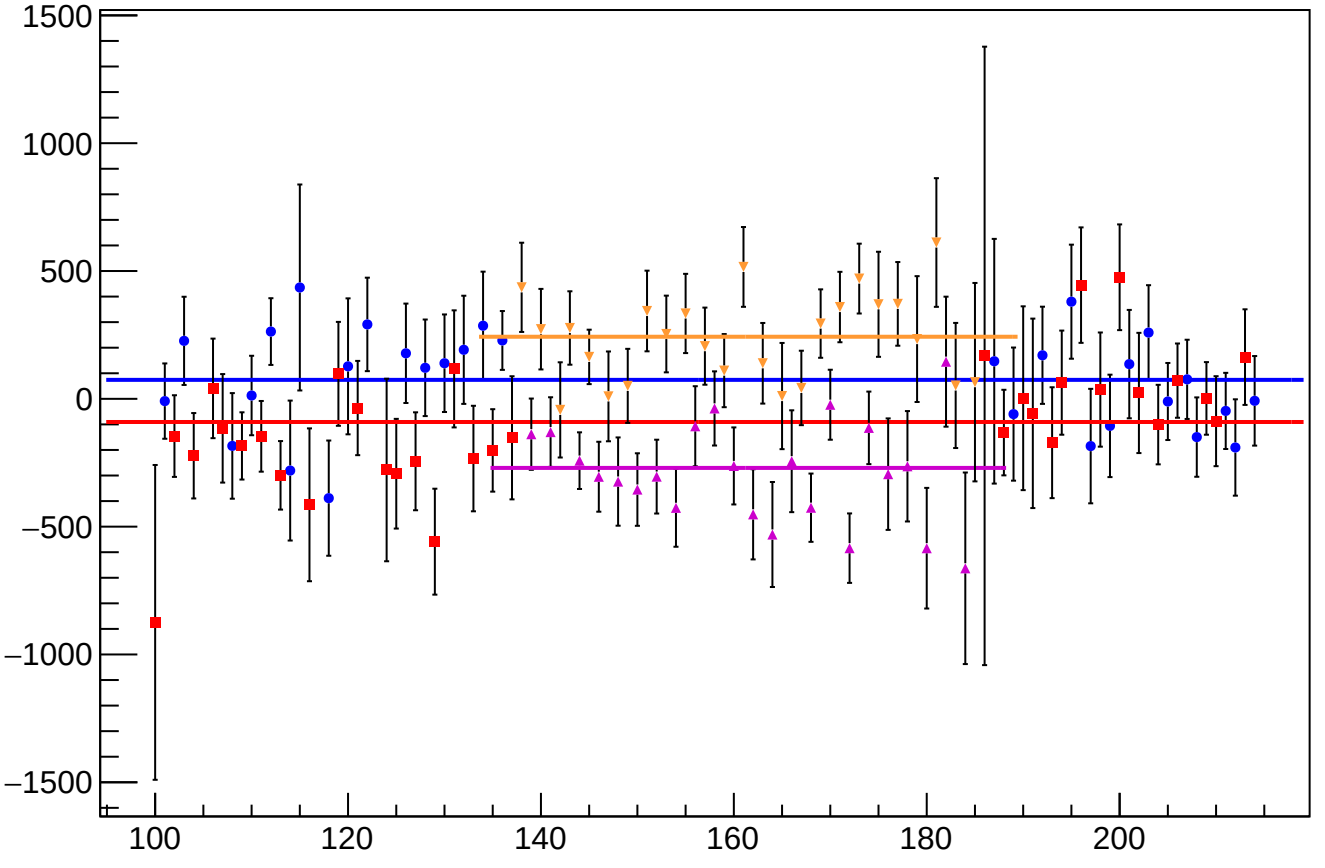
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1074.548+/-0.131 χ^2/NDF: 7571564.5/54

All: 1075.132+/-0.093 χ^2/NDF: 15847287.3/1

- sign 1075.731+/-0.132 χ^2/NDF: 8275682.5/56

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 74.202+/-33.620 χ^2/NDF: 27.5/29

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -90.601+/-33.107 χ^2/NDF: 34.9/33

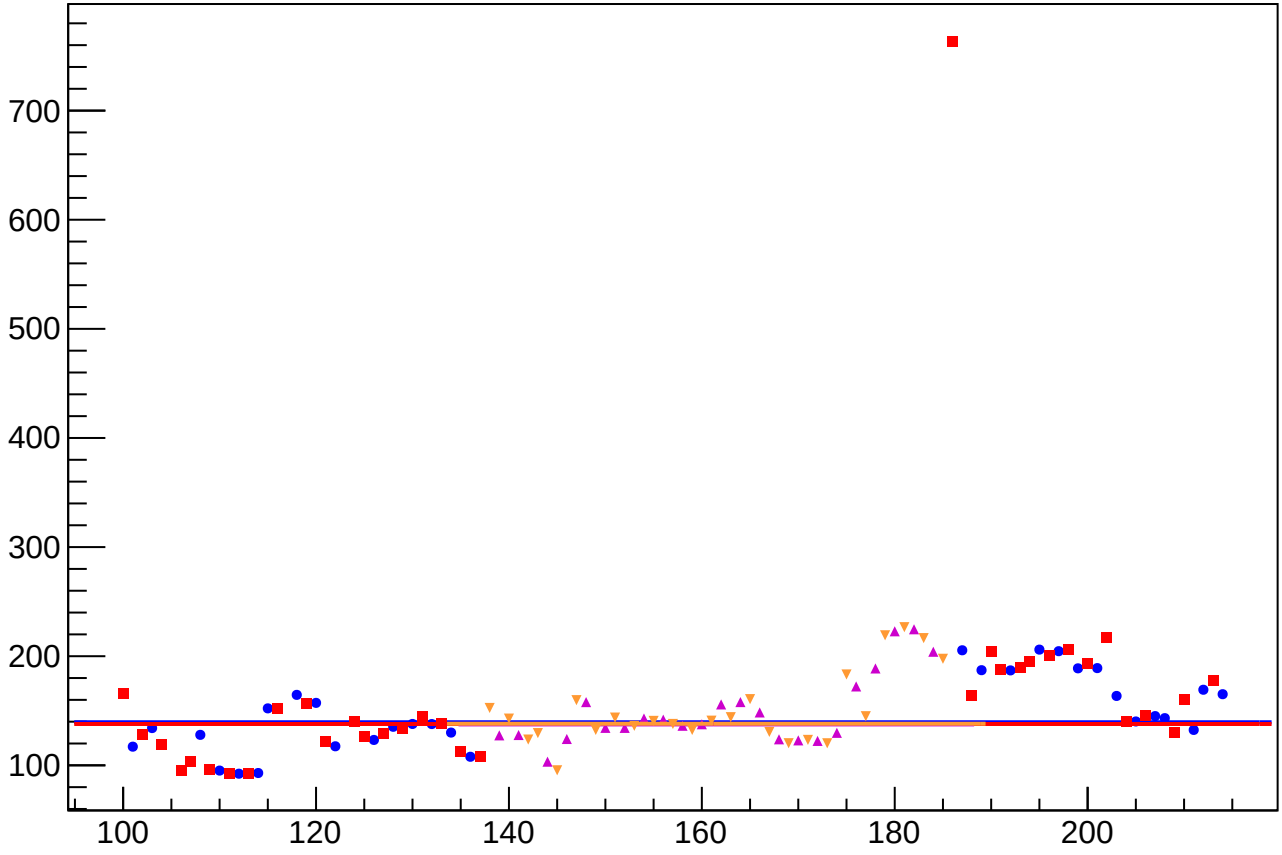
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 162.347+/-23.232 χ^2/NDF: 64.3/54

All: -8.572+/-16.463 χ^2/NDF: 249.5/111

- sign -181.006+/-23.334 χ^2/NDF: 76.4/56

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 139.474+/-0.024 χ^2/NDF: 1714298.8/29

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 137.889+/-0.023 χ^2/NDF: 2761493.8/33

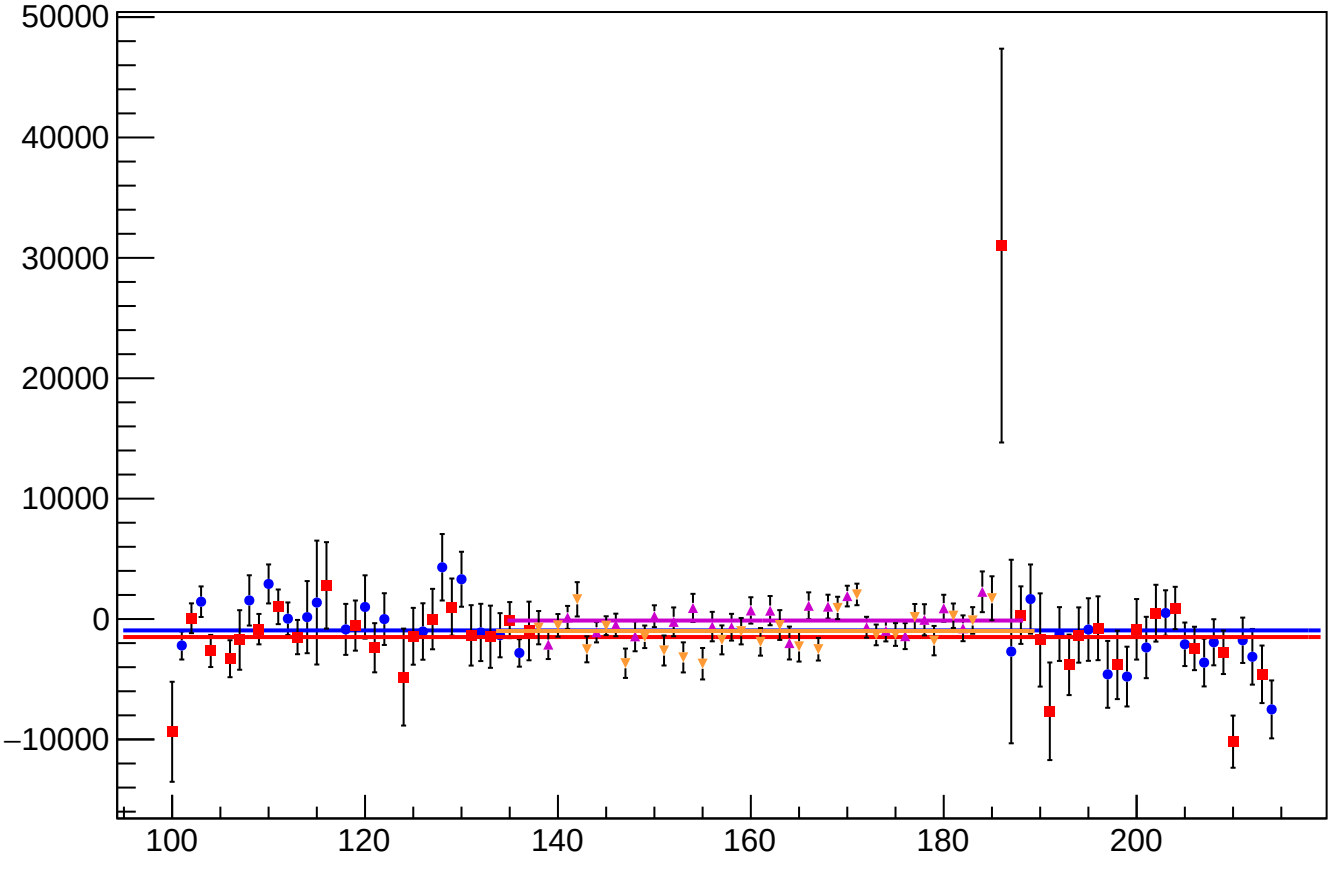
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 138.770+/-0.016 χ^2/NDF: 3054287.0/54

All: 138.232+/-0.012 χ^2/NDF: 6927403.5/11

- sign 137.689+/-0.016 χ^2/NDF: 3870958.7/56

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -944.994+/-360.726 χ^2/NDF: 40.1/29

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1497.087+/-351.479 χ^2/NDF: 45.2/33

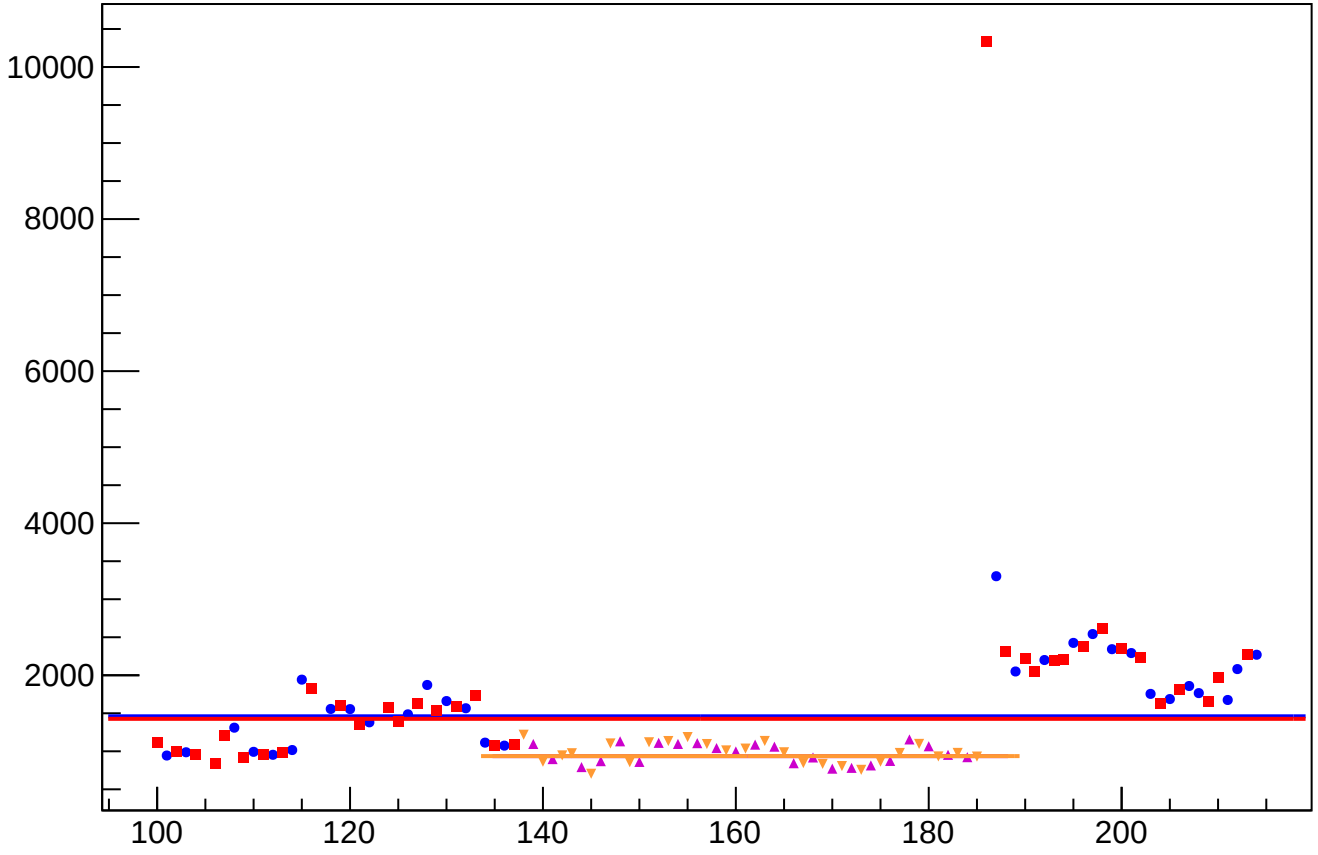
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -980.533+/-185.097 χ^2/NDF: 87.1/54

All: -750.329+/-131.659 χ^2/NDF: 170.1/111

- sign -514.583+/-187.312 χ^2/NDF: 79.9/56

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1460.124+/-0.255 χ^2/NDF: 3637388.4/29

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1427.033+/-0.249 χ^2/NDF: 4842383.0/33

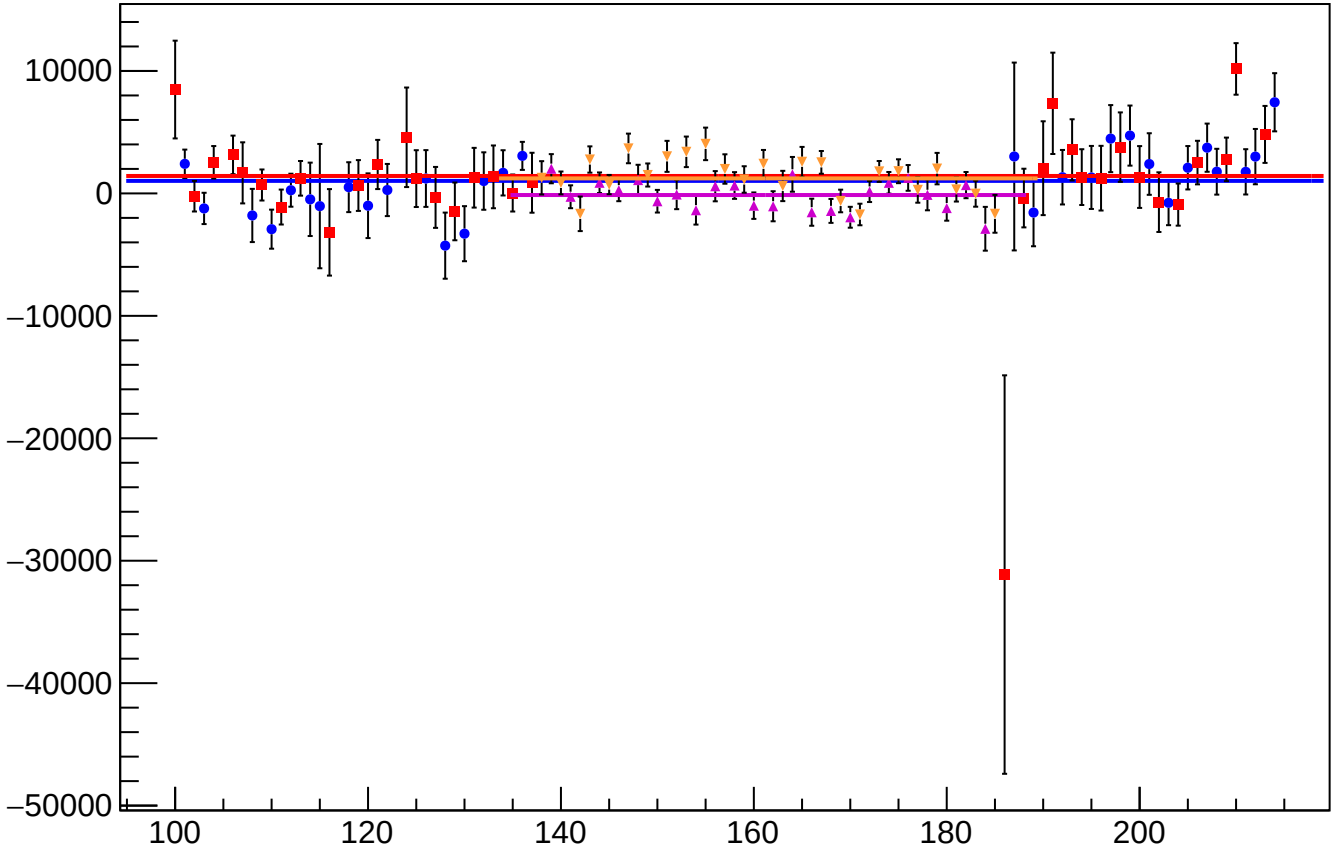
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1074.547+/-0.131 χ^2/NDF: 7571574.1/54

All: 1075.131+/-0.093 χ^2/NDF: 15847296.7/1

- sign 1075.730+/-0.132 χ^2/NDF: 8275682.1/56

asym_sam_48_dd_mean vs Slug



Right In: 1023.525+/-357.916 χ^2/NDF: 41.4/29

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1424.028+/-350.144 χ^2/NDF: 46.9/33

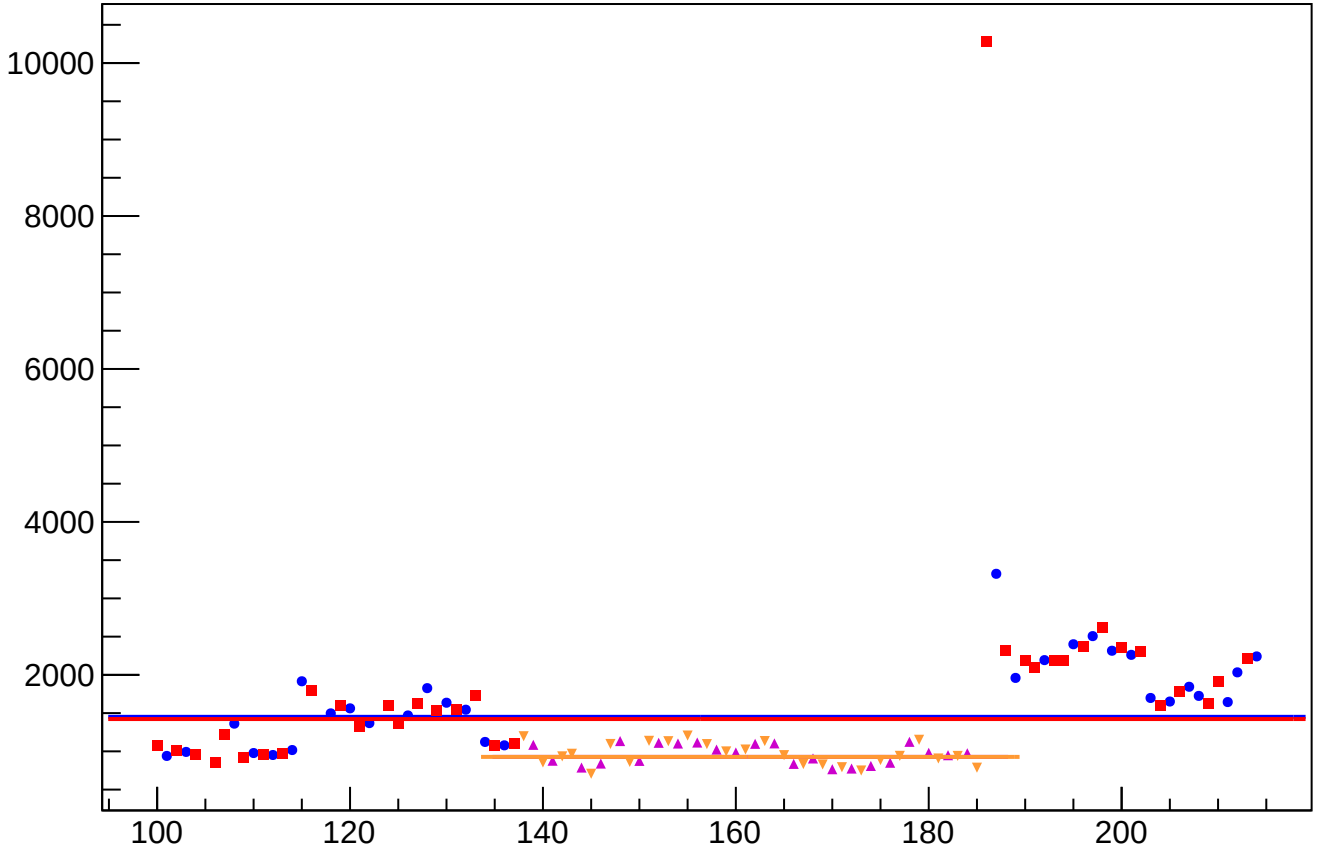
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1172.384+/-183.574 χ^2/NDF: 90.2/54

All: 744.388+/-130.601 χ^2/NDF: 188.1/111

- sign 305.747+/-185.843 χ^2/NDF: 87.0/56

asym_sam_48_dd_rms vs Slug



Right In: 1451.345+/-0.253 χ^2/NDF: 3488250.6/29

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

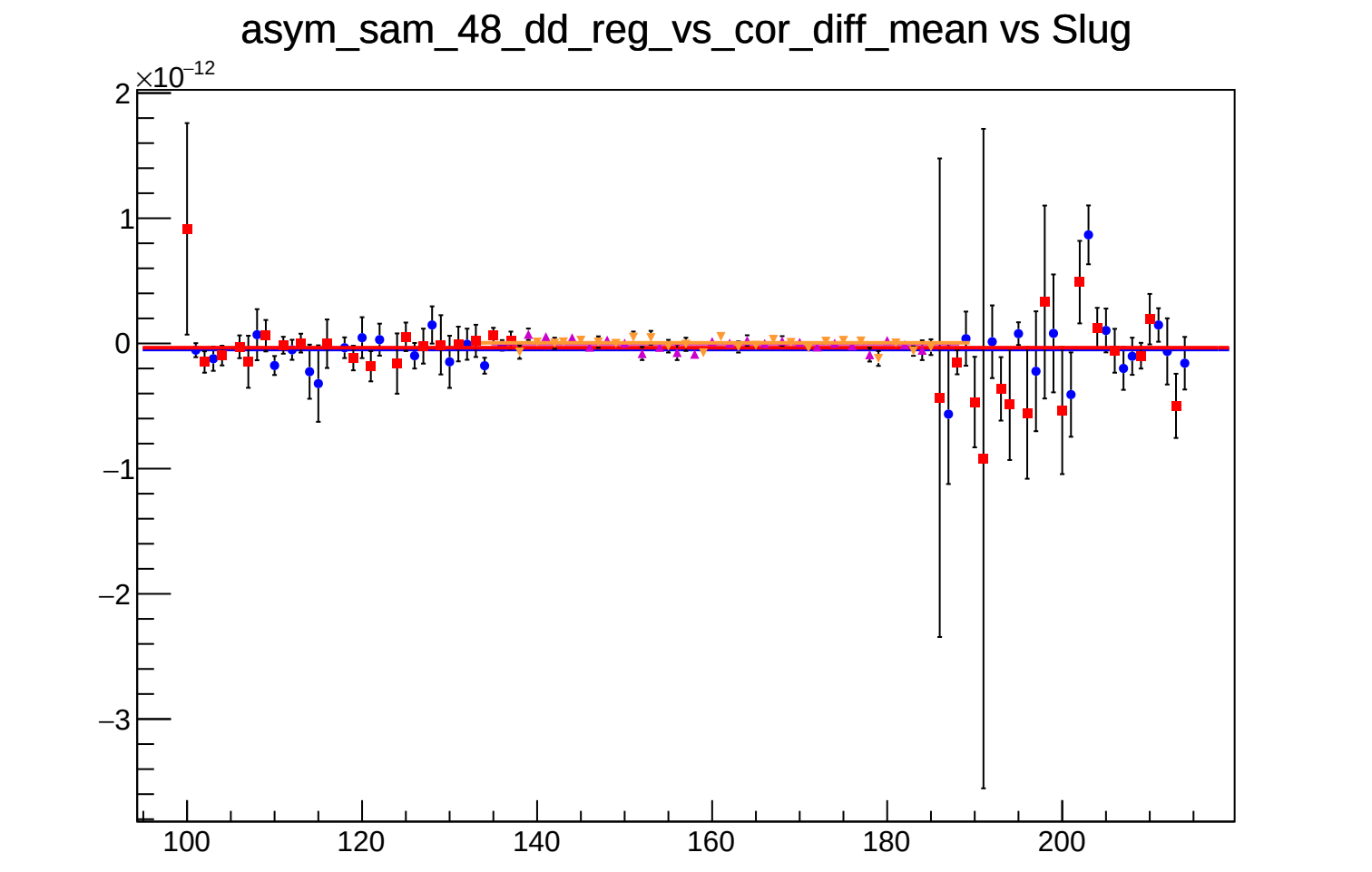
Right Out: 1422.459+/-0.248 χ^2/NDF: 4770419.1/33

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1065.385+/-0.130 χ^2/NDF: 7519266.6/54

All: 1066.086+/-0.092 χ^2/NDF: 15818990.6/1

- sign 1066.805+/-0.131 χ^2/NDF: 8299664.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

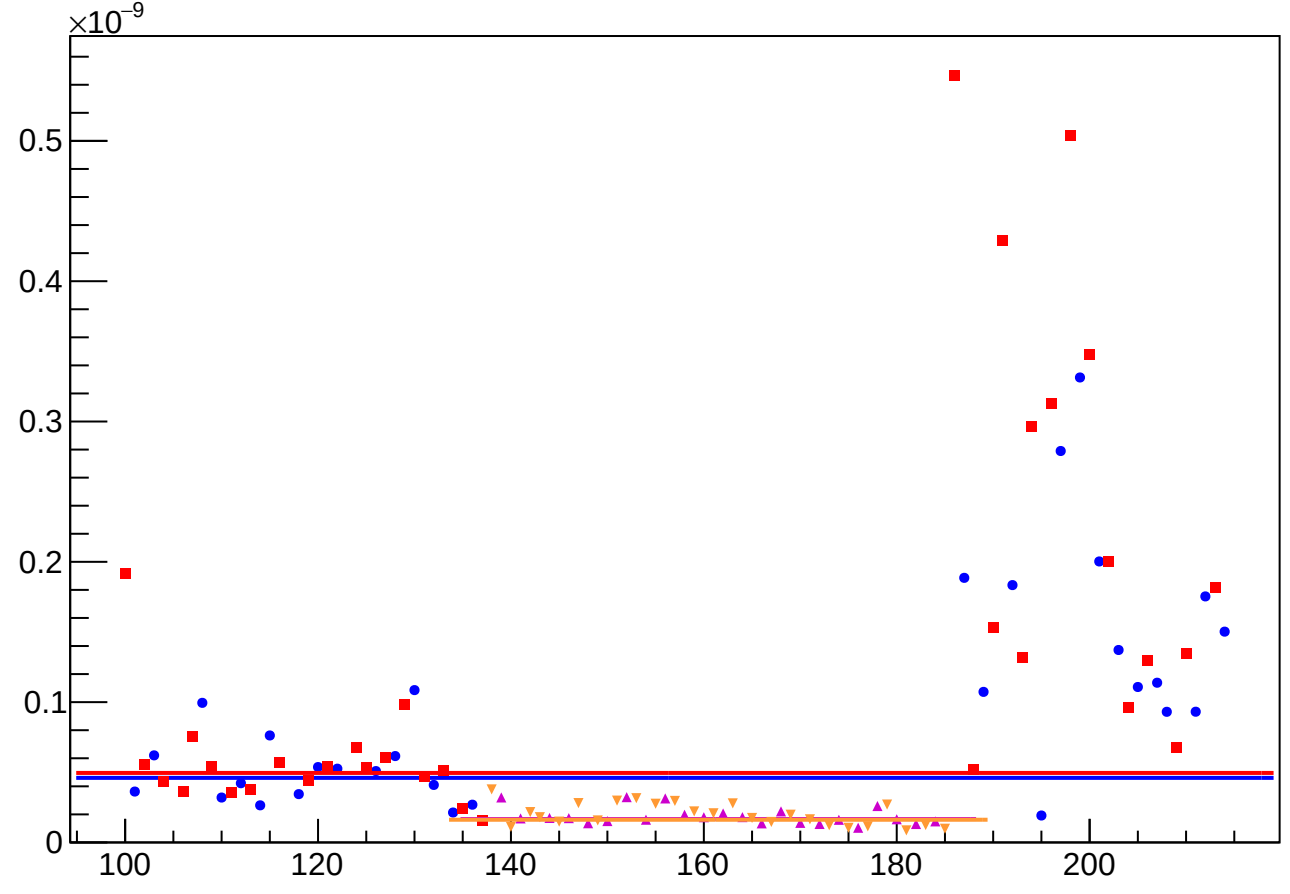
Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/33

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.4/54

All: -0.000+/-0.000 χ^2/NDF: 126.6/111

- sign -0.000+/-0.000 χ^2/NDF: 58.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6184700.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6262440.8/33

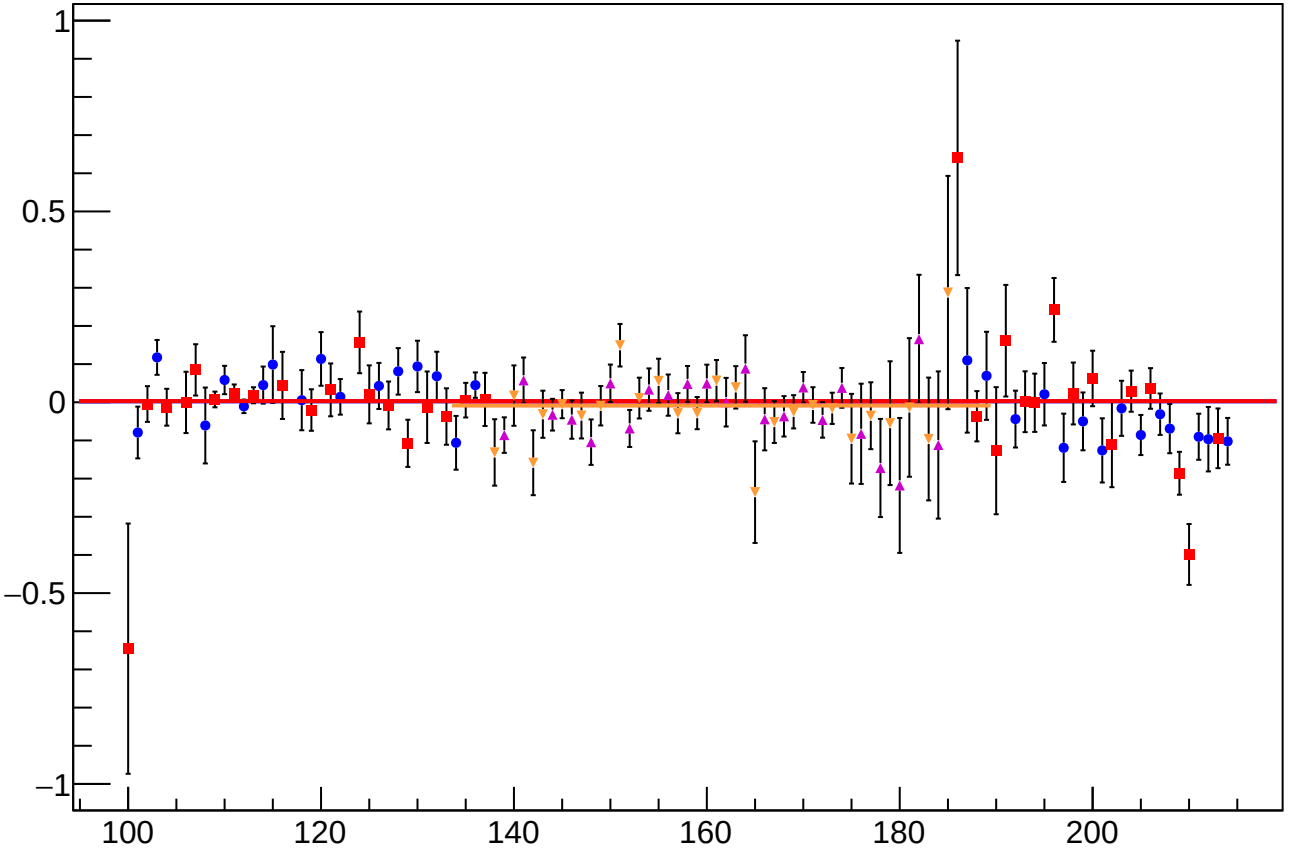
Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12227388.2/54

All: 0.000+/-0.000 χ^2/NDF: 23801806.5/111

- sign 0.000+/-0.000 χ^2/NDF: 11559337.2/56

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 41.2/29

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.003+/-0.009 χ^2/NDF: 70.1/33

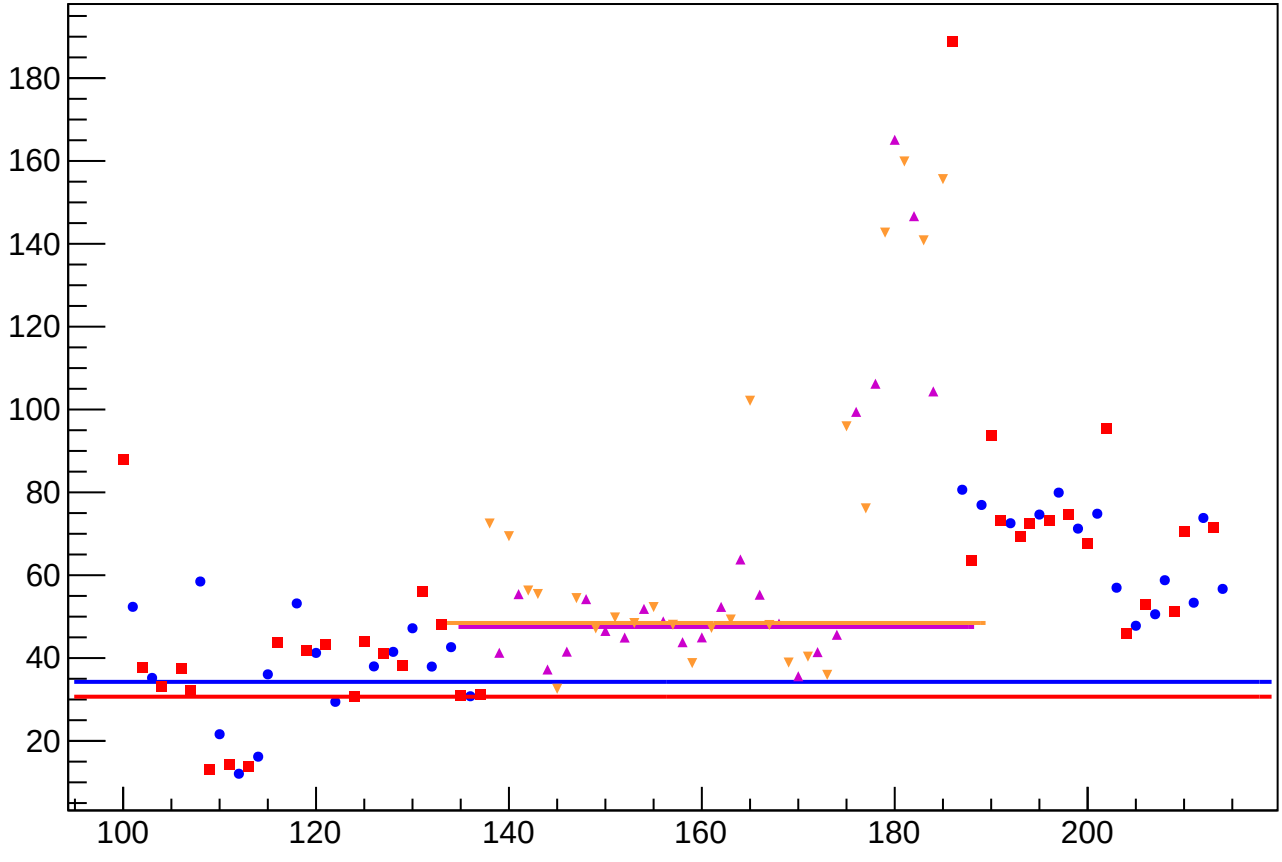
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.002+/-0.007 χ^2/NDF: 64.9/54

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

- sign -0.001+/-0.007 χ^2/NDF: 93.9/56

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.256+/-0.007 χ^2/NDF: 8808851.5/29

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 30.673+/-0.006 χ^2/NDF: 11178230.1/33

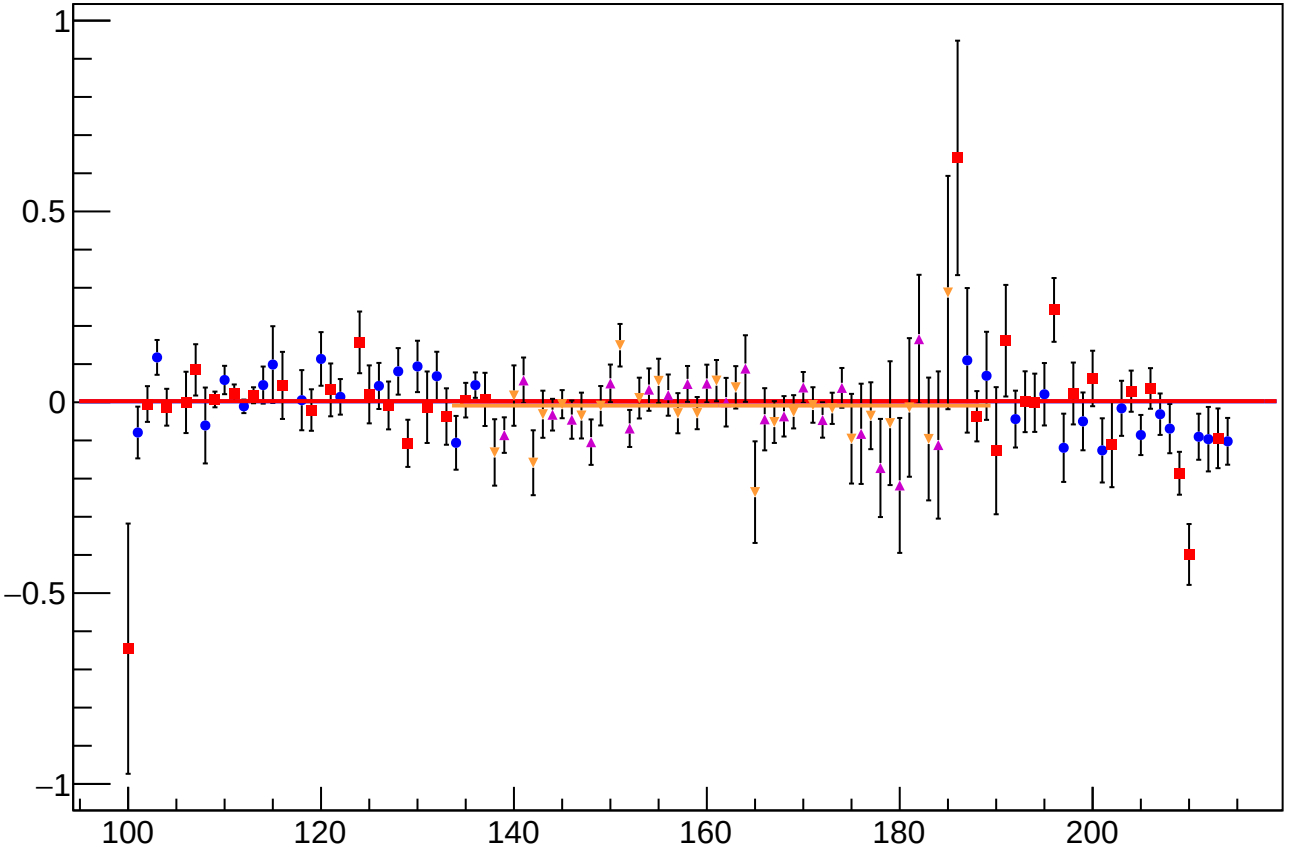
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.799+/-0.005 χ^2/NDF: 14892790.3/54

All: 38.072+/-0.004 χ^2/NDF: 31900531.2/11

- sign 36.525+/-0.005 χ^2/NDF: 16806565.6/56

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 41.2/29

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

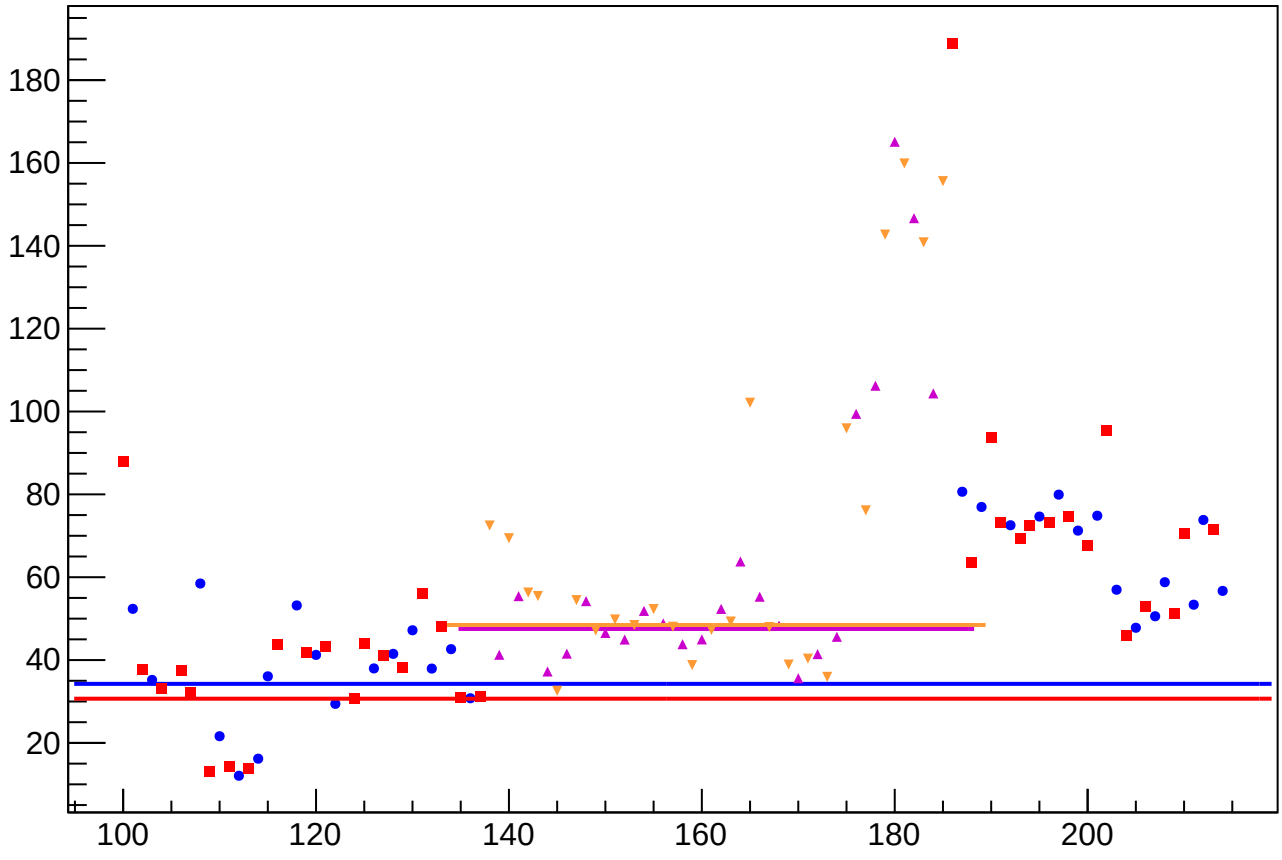
Right Out: 0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.002+/-0.007 χ^2/NDF: 64.9/54

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

- sign -0.001+/-0.007 χ^2/NDF: 93.9/56



Right In: 34.256+/-0.007 χ^2/NDF: 8808851.5/29

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

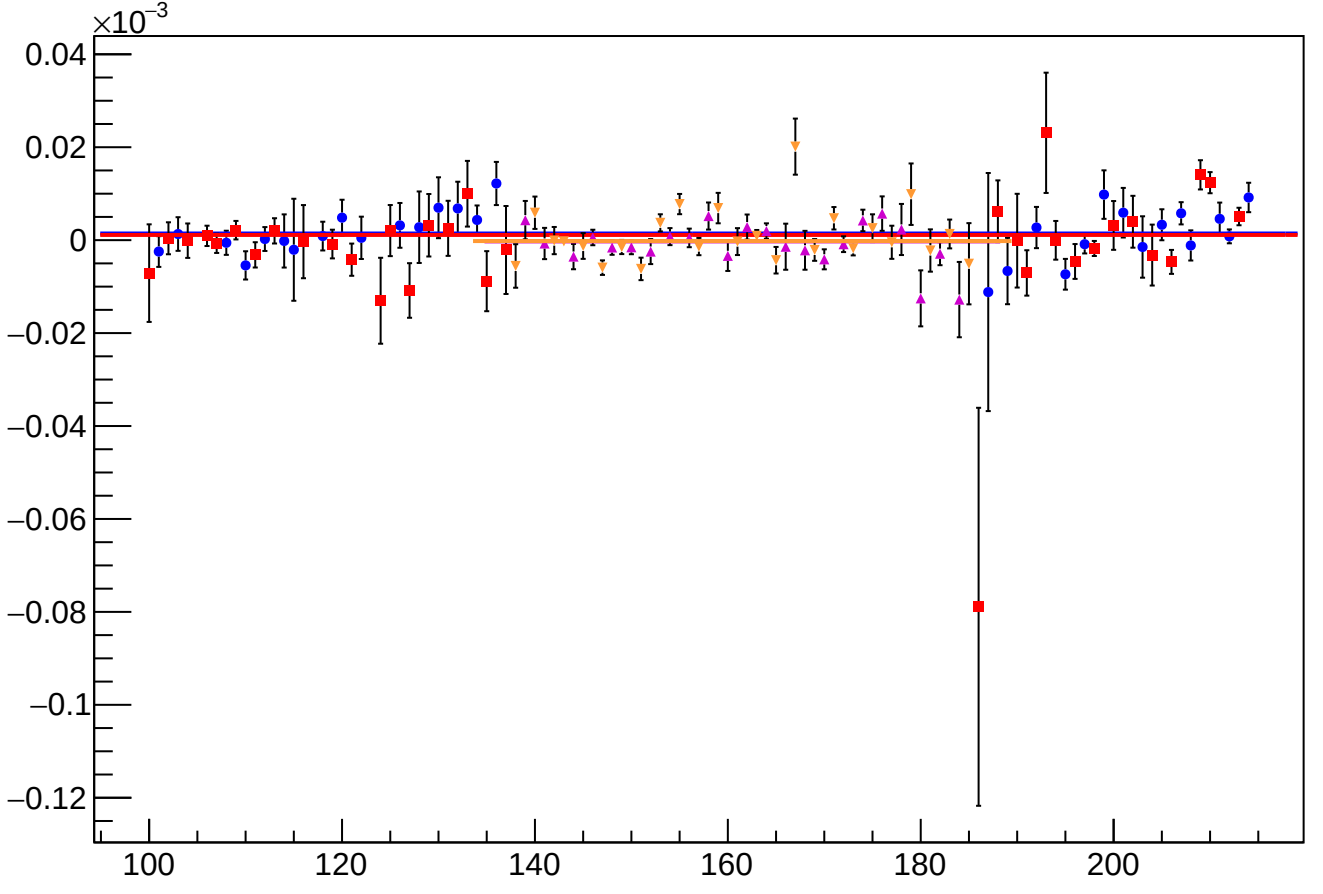
Right Out: 30.673+/-0.006 χ^2/NDF: 11178230.1/33

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 39.799+/-0.005 χ^2/NDF: 14892790.3/54

All: 38.072+/-0.004 χ^2/NDF: 31900531.2/11

- sign 36.525+/-0.005 χ^2/NDF: 16806565.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 41.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.0/33

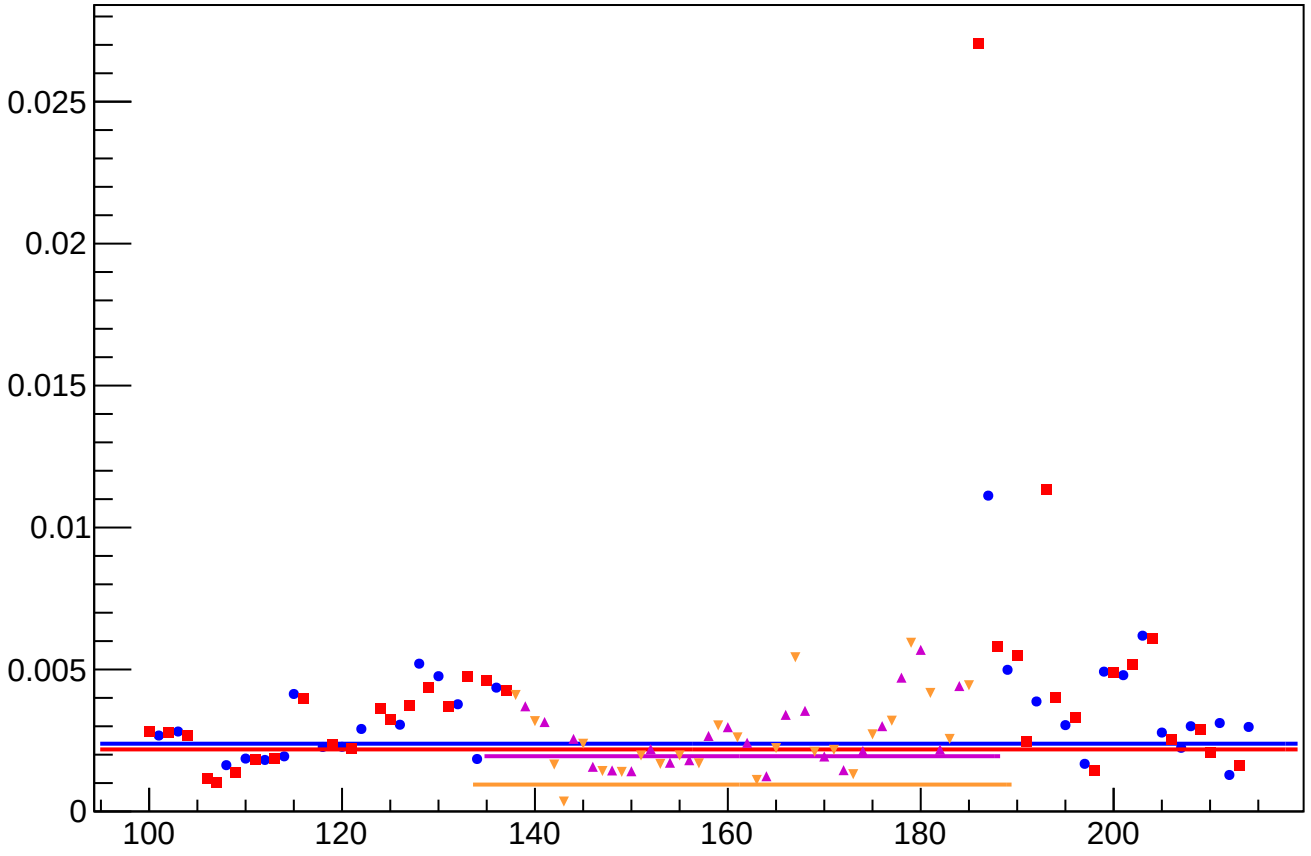
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 118.2/54

All: 0.000+/-0.000 χ^2/NDF: 237.6/111

- sign 0.000+/-0.000 χ^2/NDF: 119.2/56

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5521018.3/29

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8540235.5/33

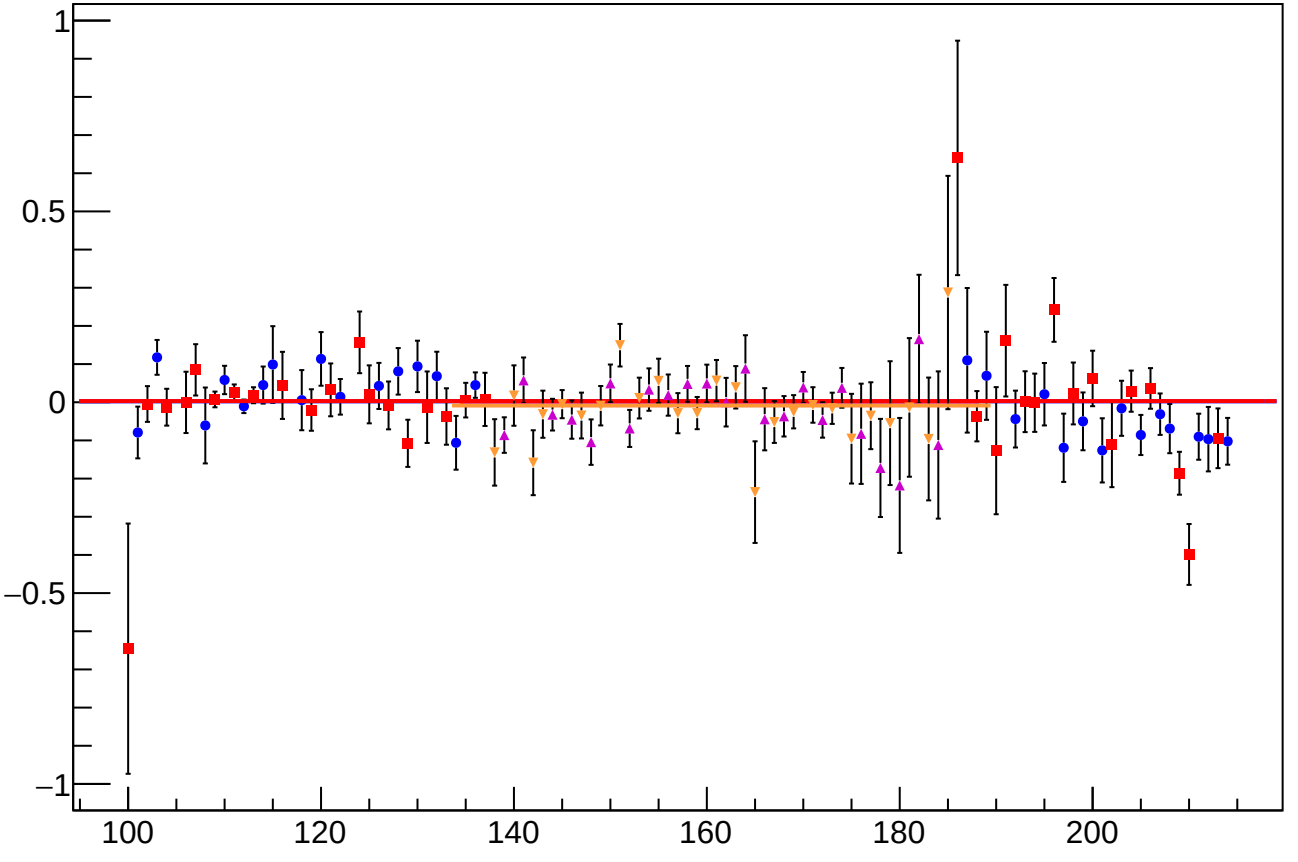
Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 31838865.5/54

All: 0.002+/-0.000 χ^2/NDF: 51213708.8/111

- sign 0.002+/-0.000 χ^2/NDF: 13097179.1/56

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 41.2/29

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

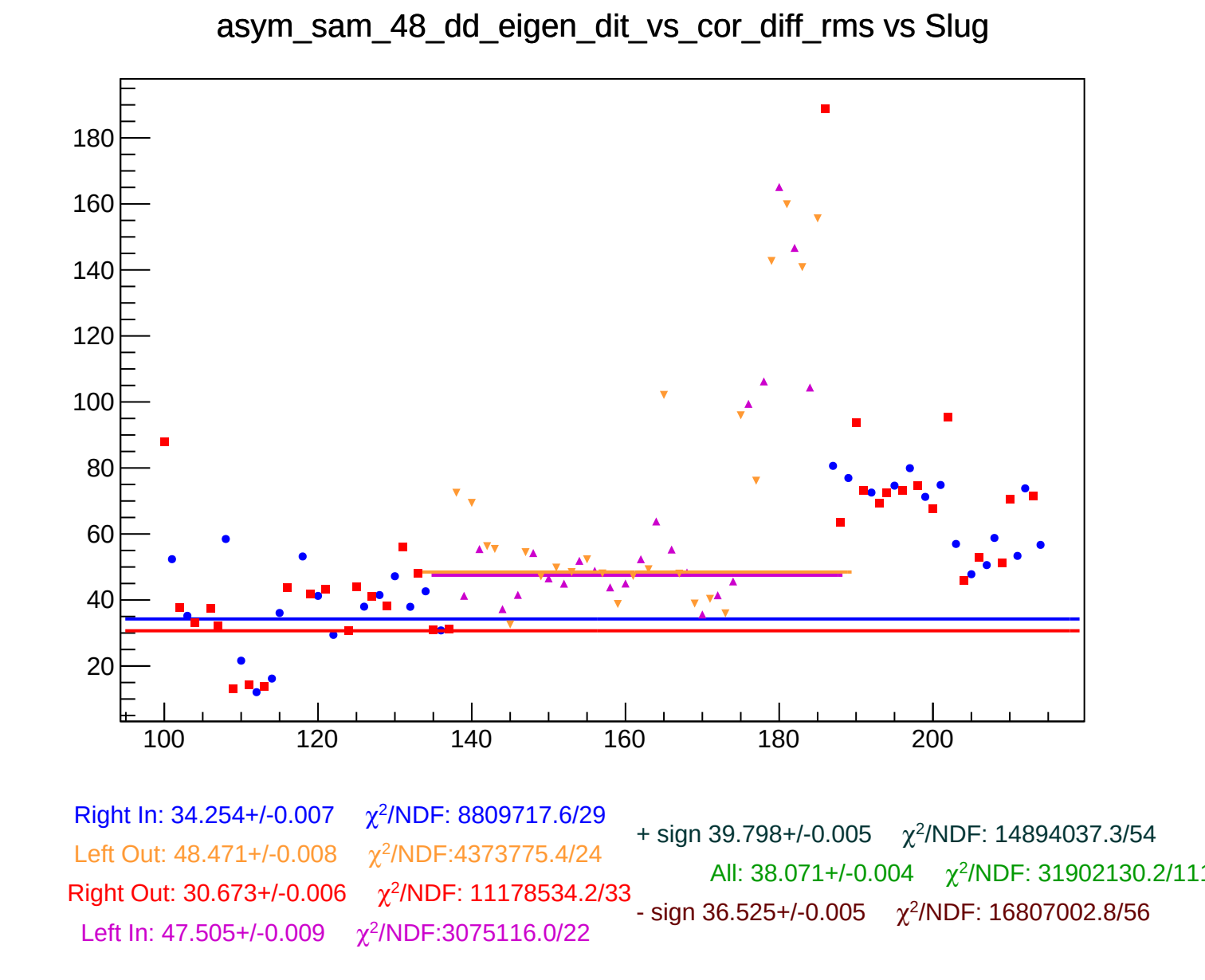
Right Out: 0.003+/-0.009 χ^2/NDF: 70.1/33

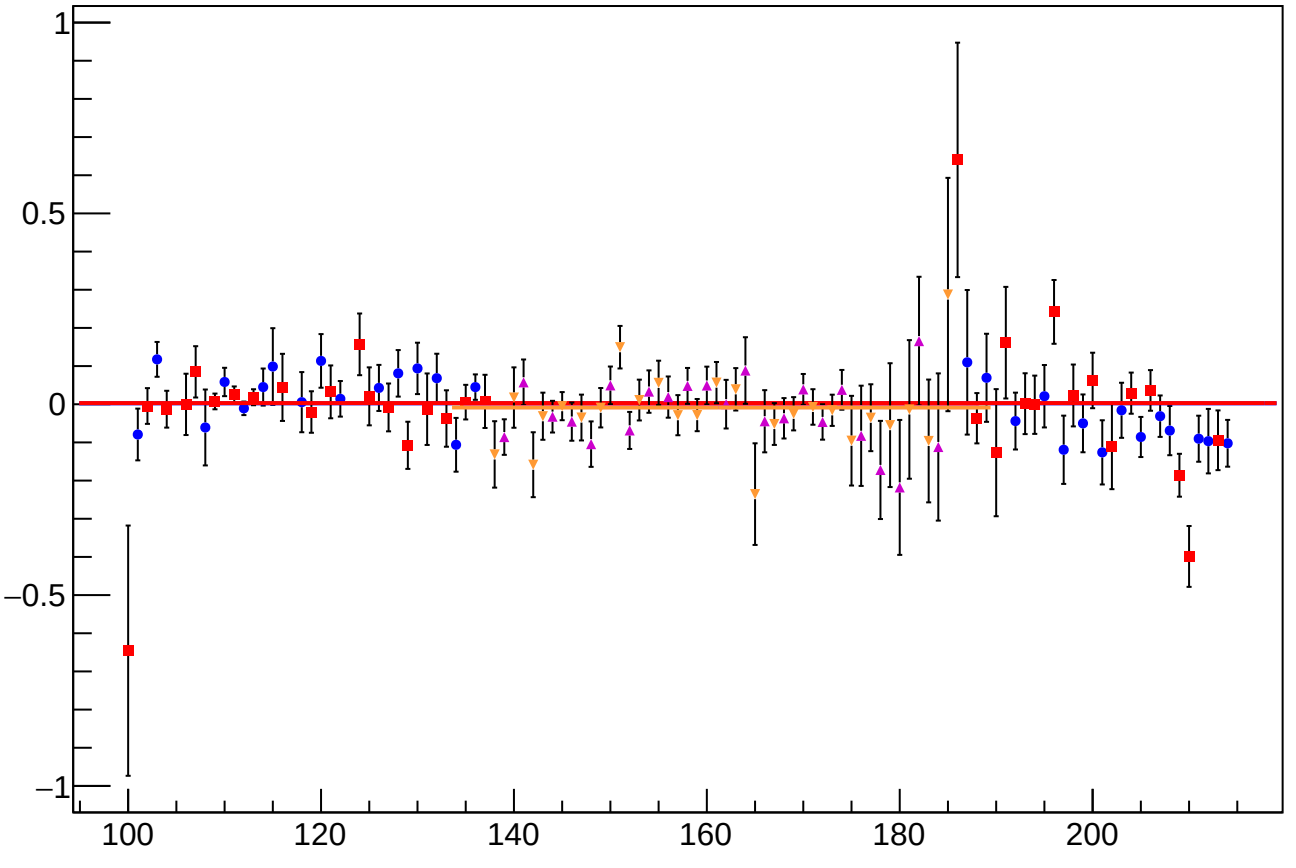
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.002+/-0.007 χ^2/NDF: 64.9/54

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

- sign -0.001+/-0.007 χ^2/NDF: 93.9/56


asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug
180
160
140
120
100
80
60
40
20
100
120
140
160
180
200
Right In: 34.254+/-0.007 χ²/NDF: 8809717.6/29
Left Out: 48.471+/-0.008 χ²/NDF:4373775.4/24
Right Out: 30.673+/-0.006 χ²/NDF: 11178534.2/33
Left In: 47.505+/-0.009 χ²/NDF:3075116.0/22
+ sign 39.798+/-0.005 χ²/NDF: 14894037.3/54
All: 38.071+/-0.004 χ²/NDF: 31902130.2/111
- sign 36.525+/-0.005 χ²/NDF: 16807002.8/56



Right In: 0.002+/-0.010 χ^2/NDF: 41.2/29

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

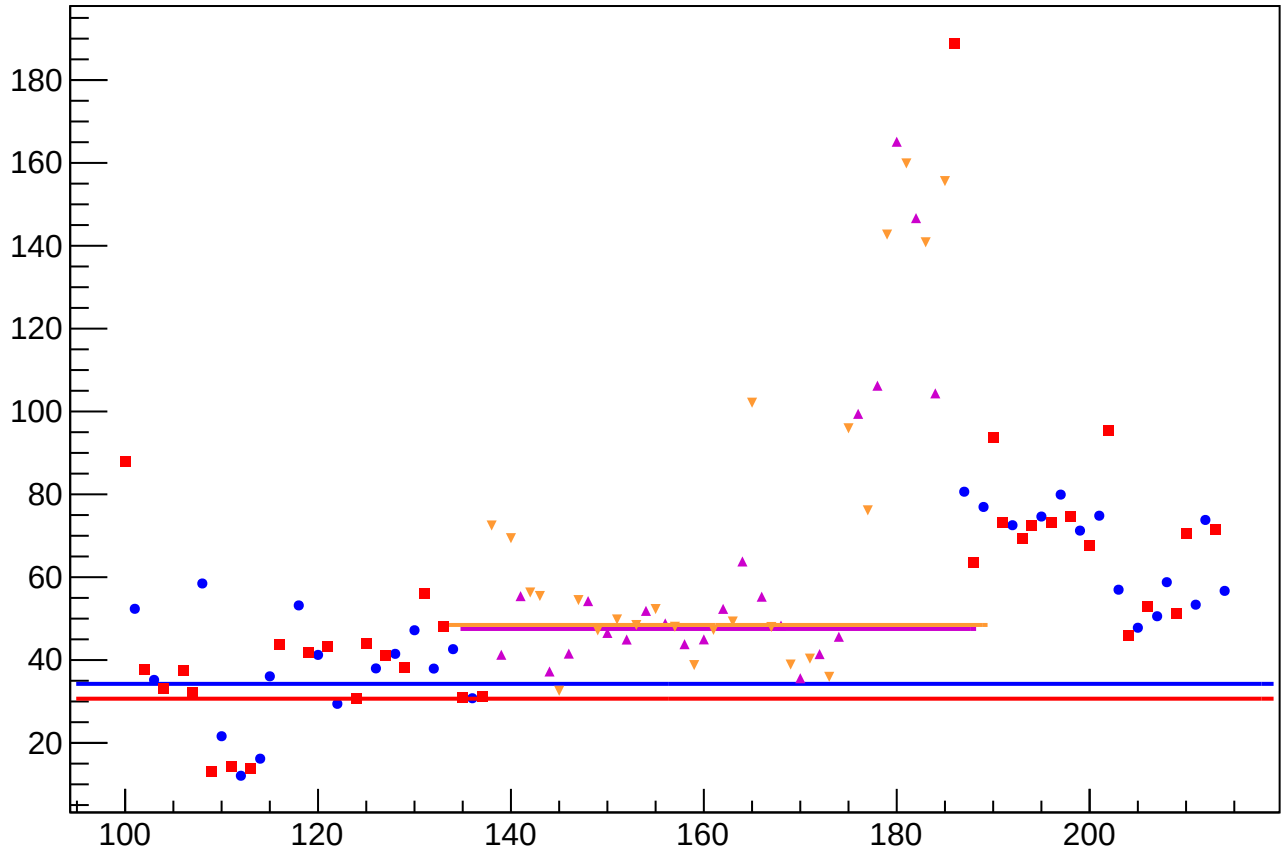
Right Out: 0.003+/-0.009 χ^2/NDF: 70.1/33

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.002+/-0.007 χ^2/NDF: 64.9/54

All: -0.001+/-0.005 χ^2/NDF: 158.8/111

- sign -0.001+/-0.007 χ^2/NDF: 93.9/56



Right In: 34.254+/-0.007 χ^2/NDF: 8809717.6/29

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

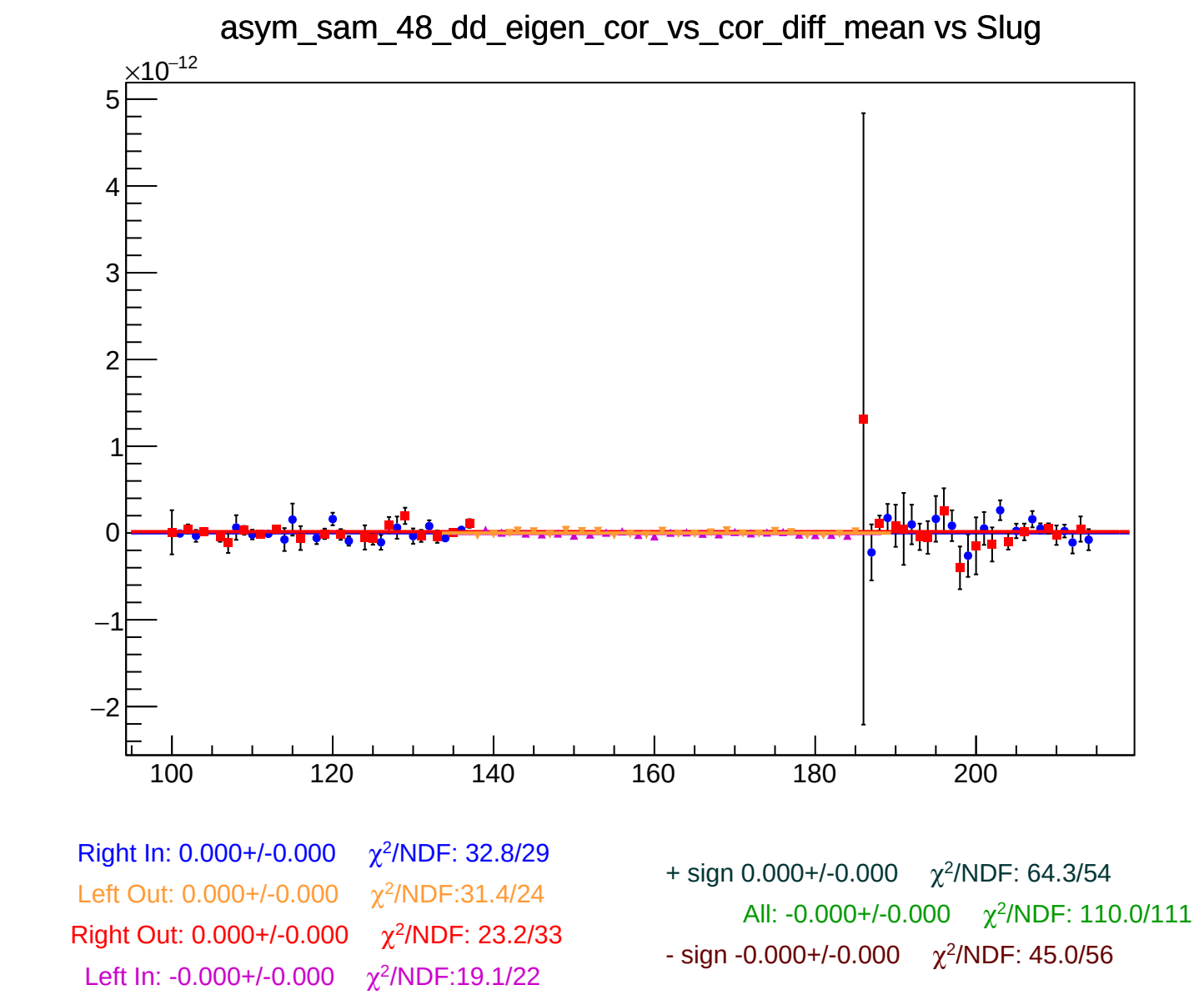
Right Out: 30.673+/-0.006 χ^2/NDF: 11178534.2/33

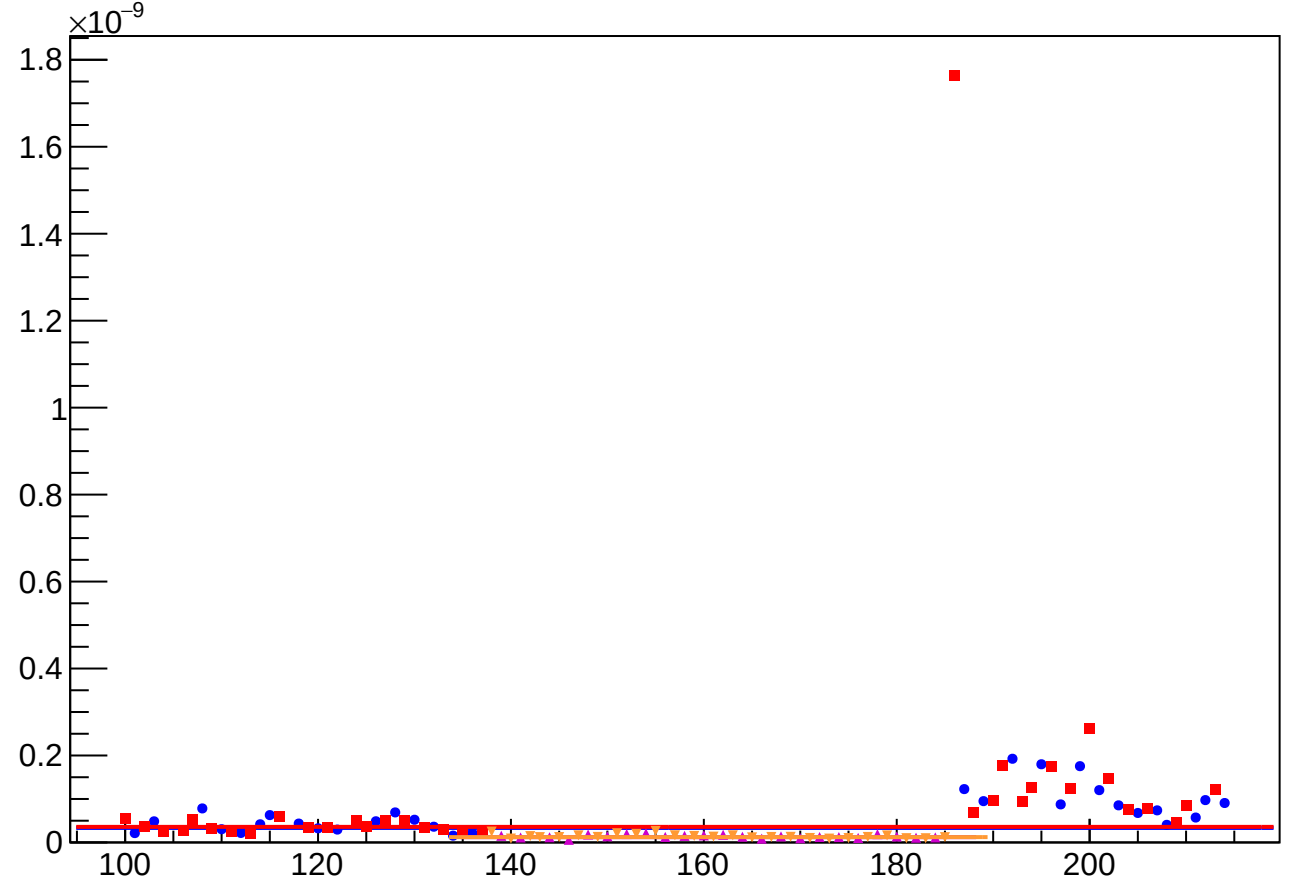
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 39.798+/-0.005 χ^2/NDF: 14894037.3/54

All: 38.071+/-0.004 χ^2/NDF: 31902130.2/11

- sign 36.525+/-0.005 χ^2/NDF: 16807002.8/56


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.8/29
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.2/33
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign 0.000+/-0.000 χ²/NDF: 64.3/54
All: -0.000+/-0.000 χ²/NDF: 110.0/111
- sign -0.000+/-0.000 χ²/NDF: 45.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 7907998.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7637968.0/33

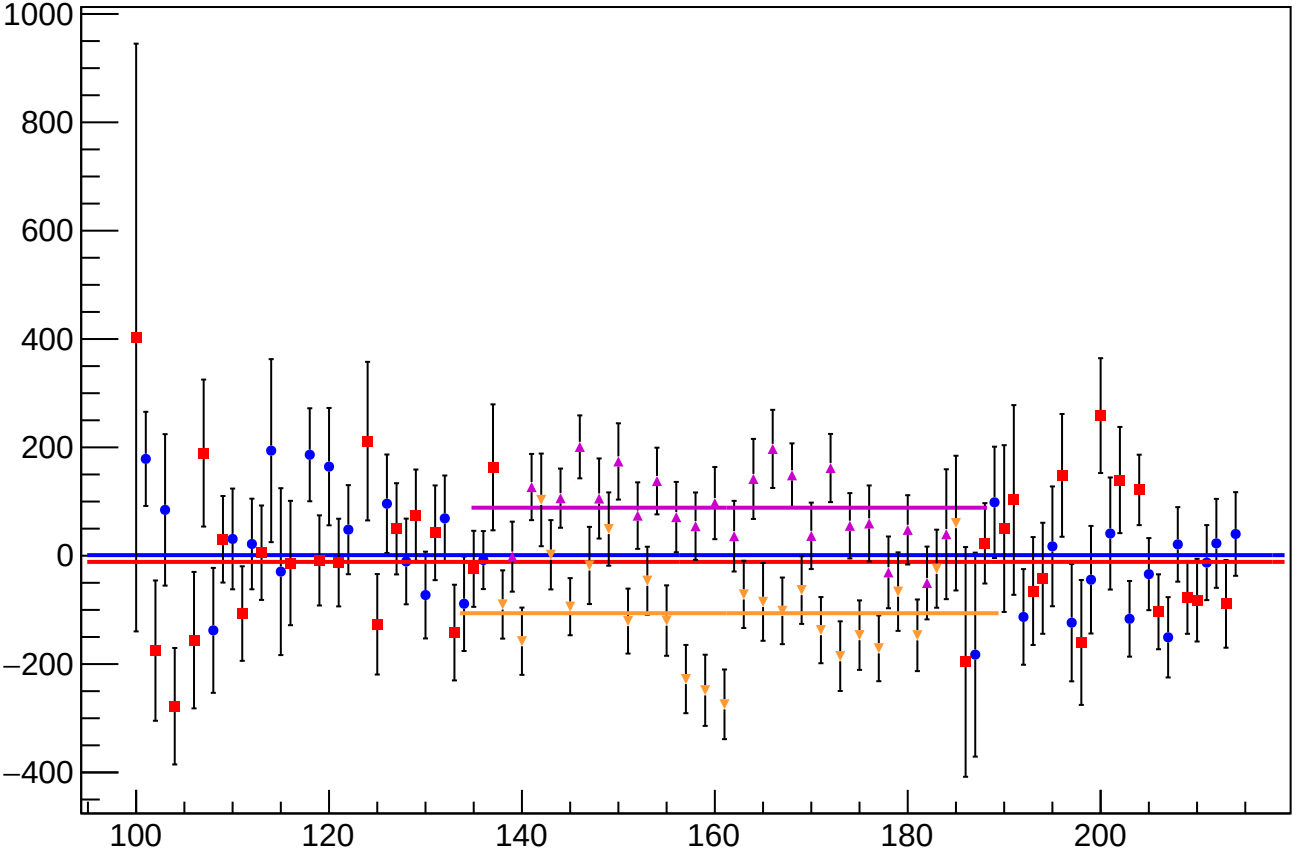
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15810037.9/54

All: 0.000+/-0.000 χ^2/NDF: 32139806.8/111

- sign 0.000+/-0.000 χ^2/NDF: 16329137.5/56

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 1.075+/-15.805 χ^2/NDF: 31.5/29

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -11.390+/-16.111 χ^2/NDF: 46.7/33

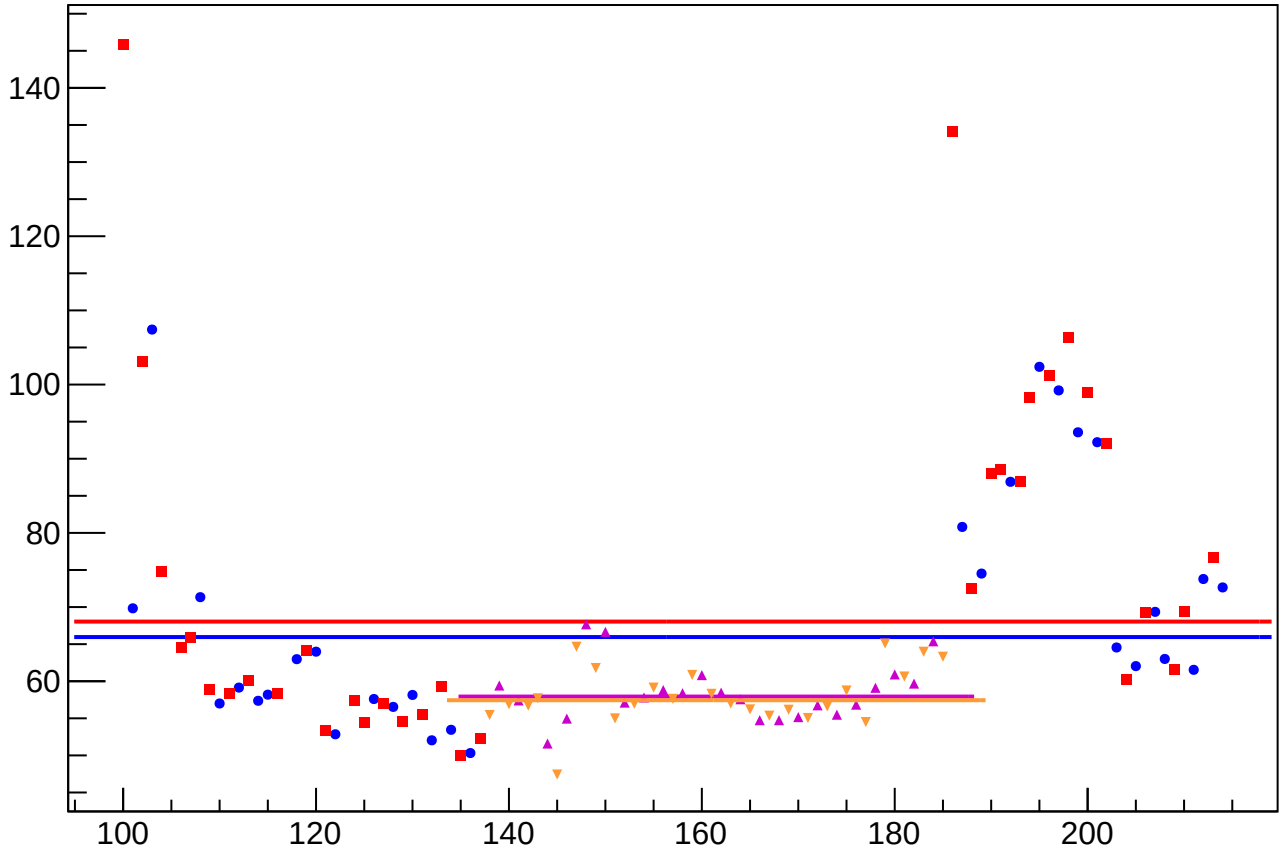
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -62.497+/-10.081 χ^2/NDF: 99.5/54

All: -9.273+/-7.231 χ^2/NDF: 250.1/111

- sign 47.127+/-10.377 χ^2/NDF: 93.2/56

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.956+/-0.011 χ^2/NDF: 1503609.1/29

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

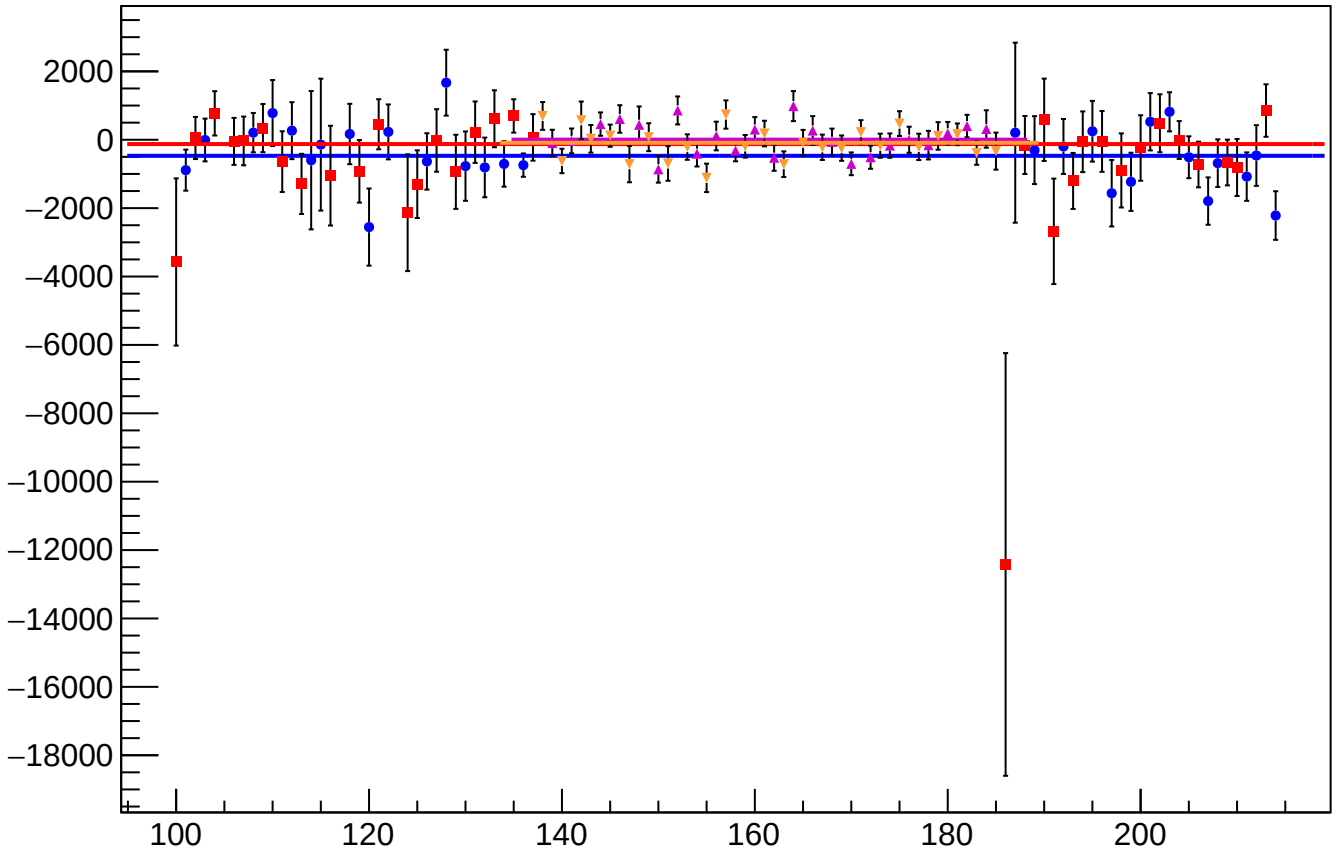
Right Out: 68.043+/-0.011 χ^2/NDF: 1980858.5/33

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 60.905+/-0.007 χ^2/NDF: 2022597.5/54

All: 61.498+/-0.005 χ^2/NDF: 4614478.6/111

\- sign 62.127+/-0.007 χ^2/NDF: 2577604.1/56



Right In: -469.707+/-136.582 χ^2/NDF: 35.5/29

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -126.060+/-140.593 χ^2/NDF: 29.2/33

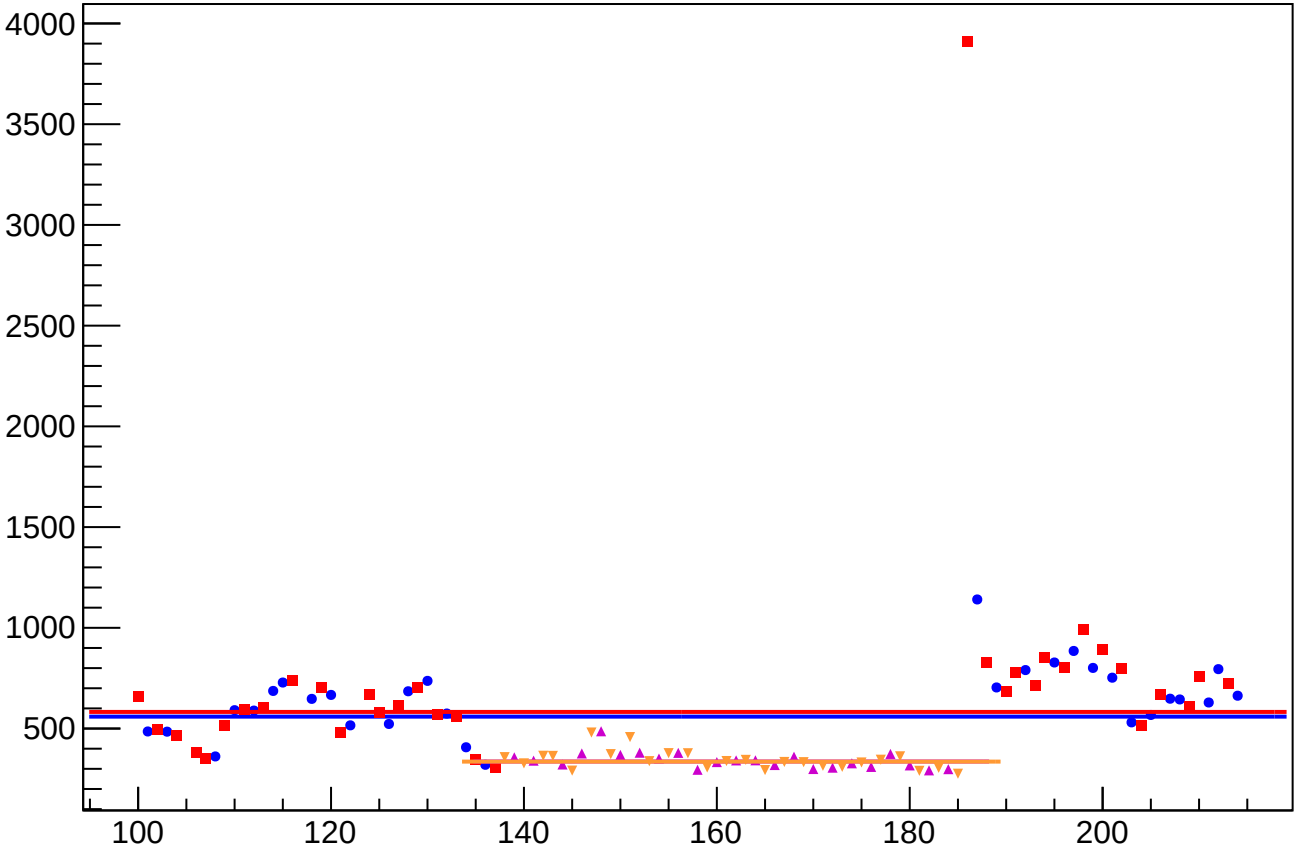
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -180.882+/-67.082 χ^2/NDF: 71.3/54

All: -106.620+/-48.098 χ^2/NDF: 137.2/111

- sign -28.051+/-69.000 χ^2/NDF: 63.4/56

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 559.177+/-0.097 χ^2/NDF: 2803518.2/29

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.540+/-0.099 χ^2/NDF: 3437696.2/33

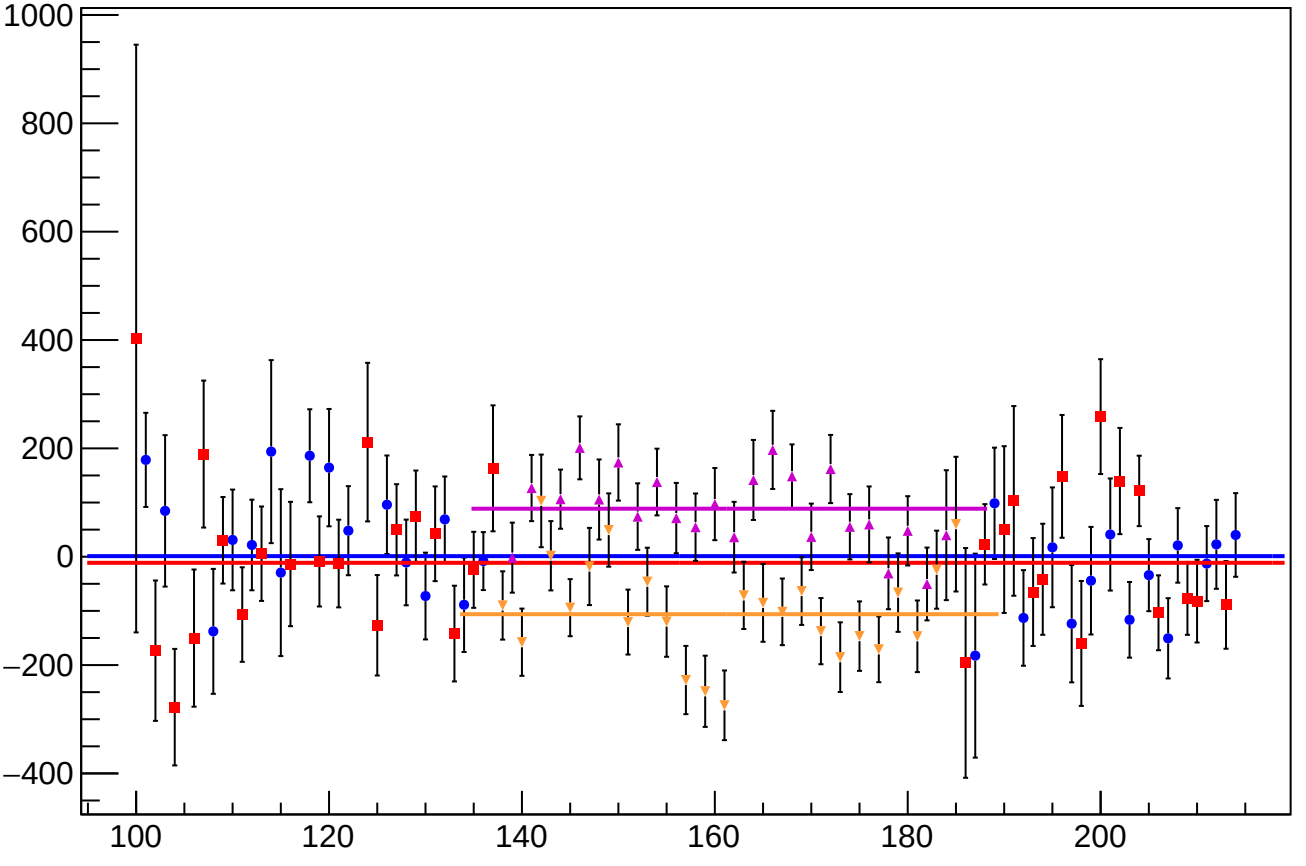
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 389.757+/-0.047 χ^2/NDF: 7393036.1/54

All: 392.617+/-0.034 χ^2/NDF: 15908108.3/11

- sign 395.642+/-0.049 χ^2/NDF: 8507591.4/56

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 1.071+/-15.805 χ^2/NDF: 31.5/29

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -11.242+/-16.112 χ^2/NDF: 46.6/33

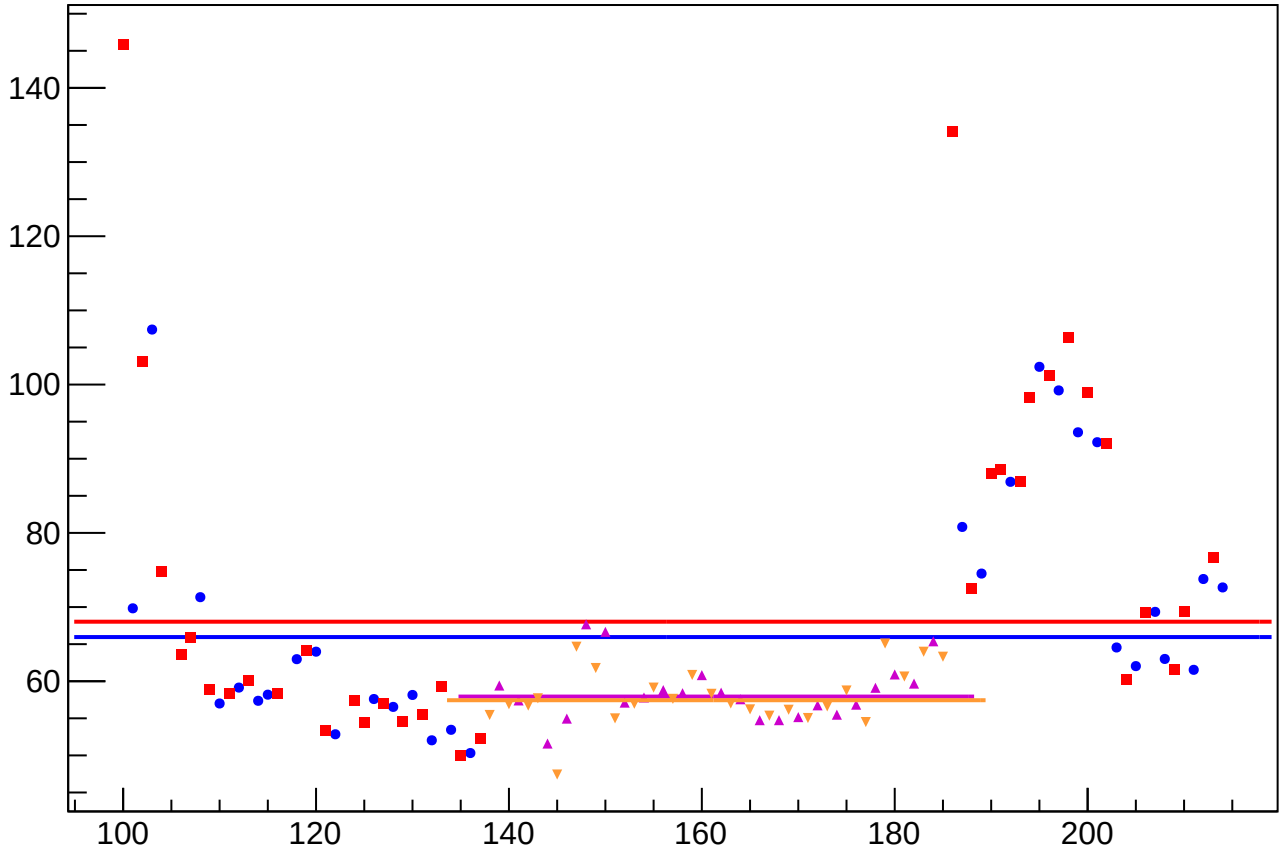
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

\+ sign -62.498+/-10.081 χ^2/NDF: 99.5/54

All: -9.243+/-7.231 χ^2/NDF: 249.9/111

\- sign 47.194+/-10.378 χ^2/NDF: 93.0/56

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.956+/-0.011 χ^2/NDF: 1503611.1/29

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.028+/-0.011 χ^2/NDF: 1982022.9/33

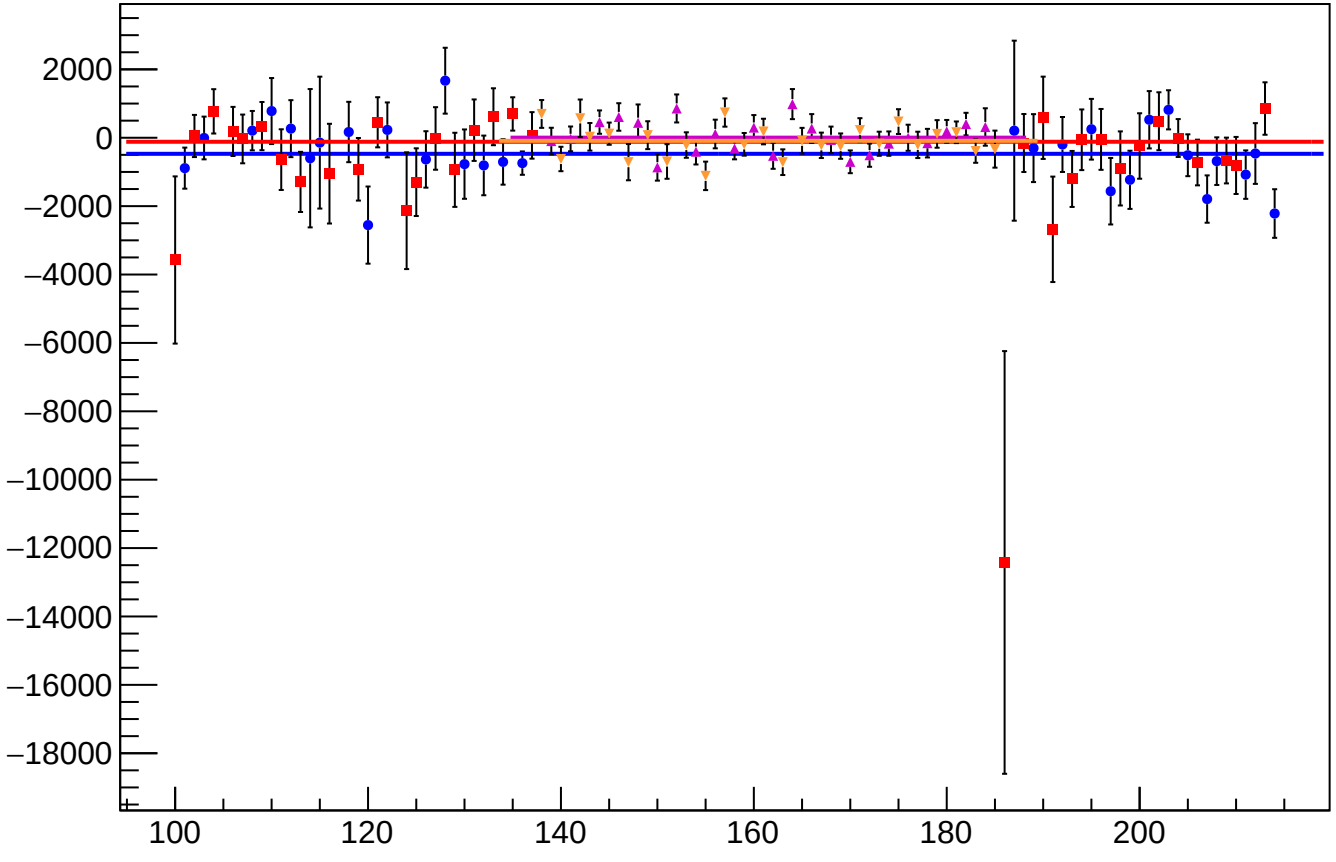
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.905+/-0.007 χ^2/NDF: 2022599.5/54

All: 61.495+/-0.005 χ^2/NDF: 4614052.8/111

- sign 62.120+/-0.007 χ^2/NDF: 2577334.5/56

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -469.690+/-136.582 χ^2/NDF: 35.5/29

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -117.396+/-140.849 χ^2/NDF: 29.4/33

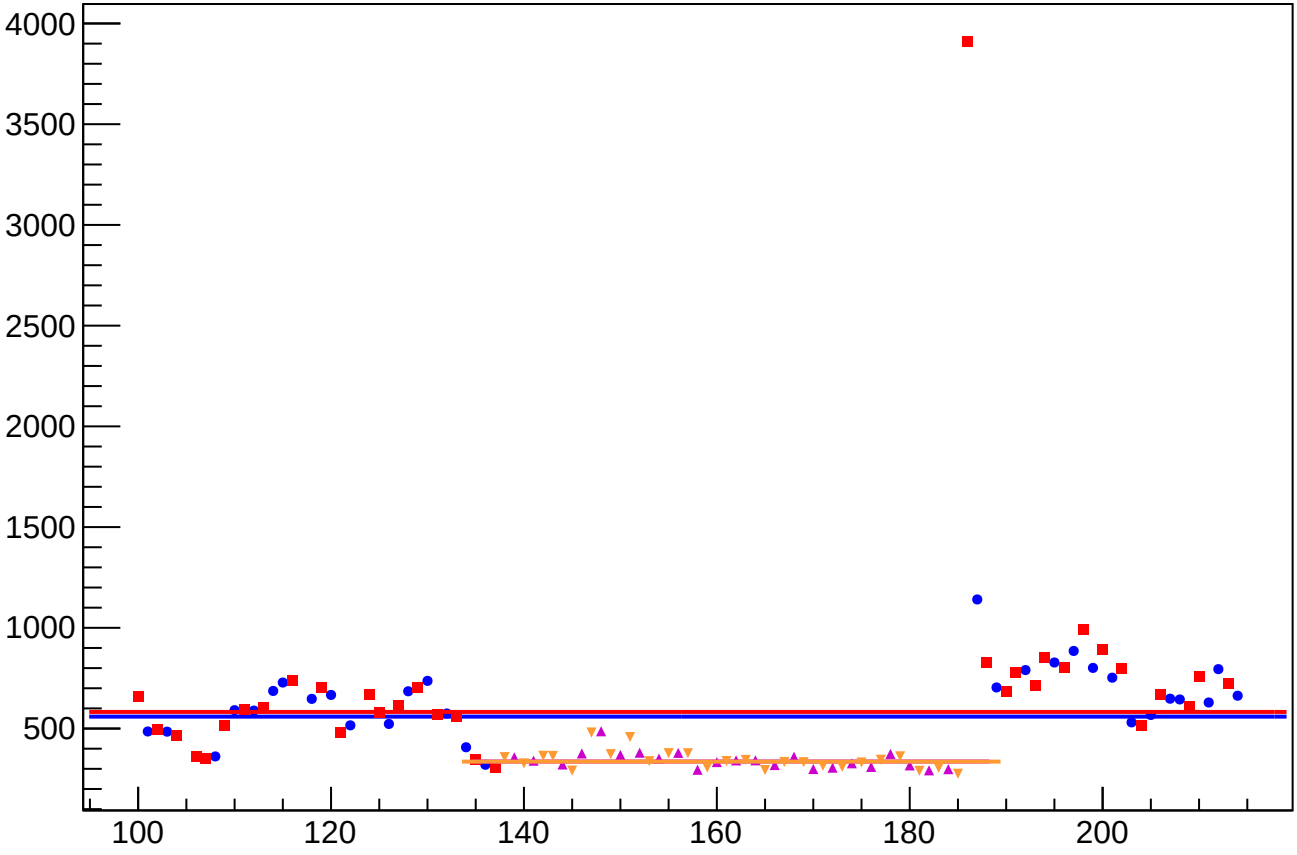
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -180.879+/-67.082 χ^2/NDF: 71.3/54

All: -105.599+/-48.108 χ^2/NDF: 137.4/111

- sign -25.883+/-69.030 χ^2/NDF: 63.5/56

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 559.179+/-0.097 χ^2/NDF: 2803484.9/29

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.478+/-0.100 χ^2/NDF: 3457120.8/33

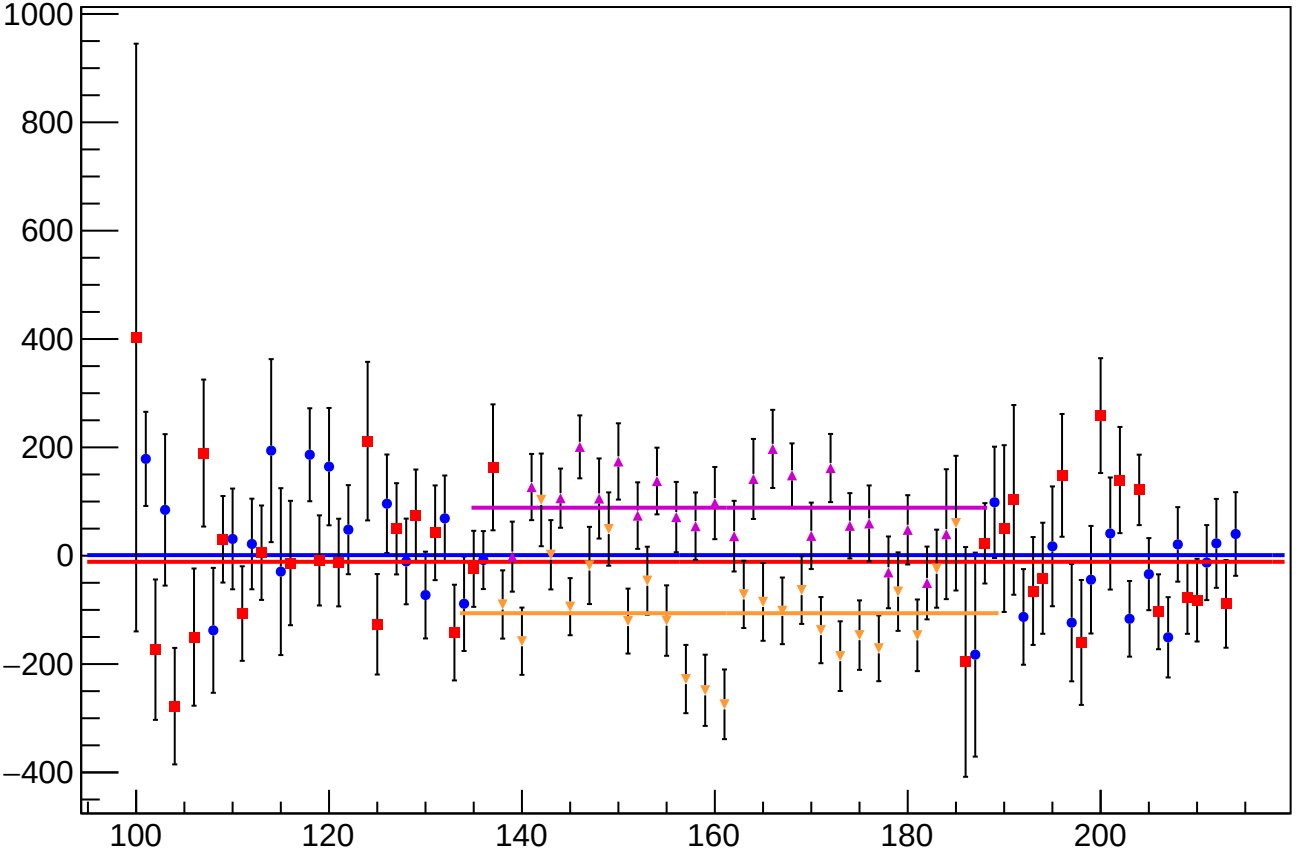
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 389.757+/-0.047 χ^2/NDF: 7393058.8/54

All: 392.529+/-0.034 χ^2/NDF: 15911969.7/11

- sign 395.464+/-0.049 χ^2/NDF: 8511879.9/56

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 1.071+/-15.805 χ^2/NDF: 31.5/29

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -11.242+/-16.112 χ^2/NDF: 46.6/33

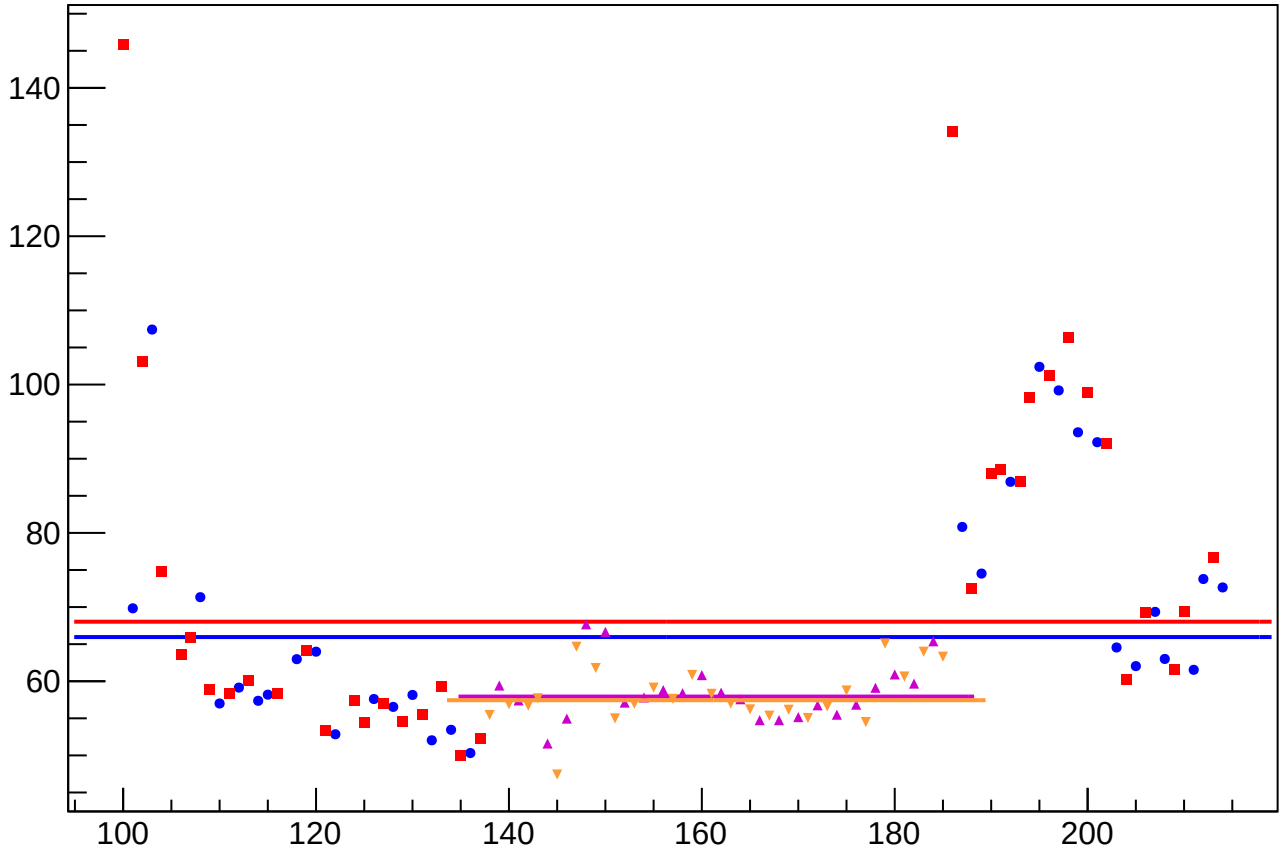
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -62.498+/-10.081 χ^2/NDF: 99.5/54

All: -9.243+/-7.231 χ^2/NDF: 249.9/111

- sign 47.194+/-10.378 χ^2/NDF: 93.0/56

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.956+/-0.011 χ^2/NDF: 1503611.1/29

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

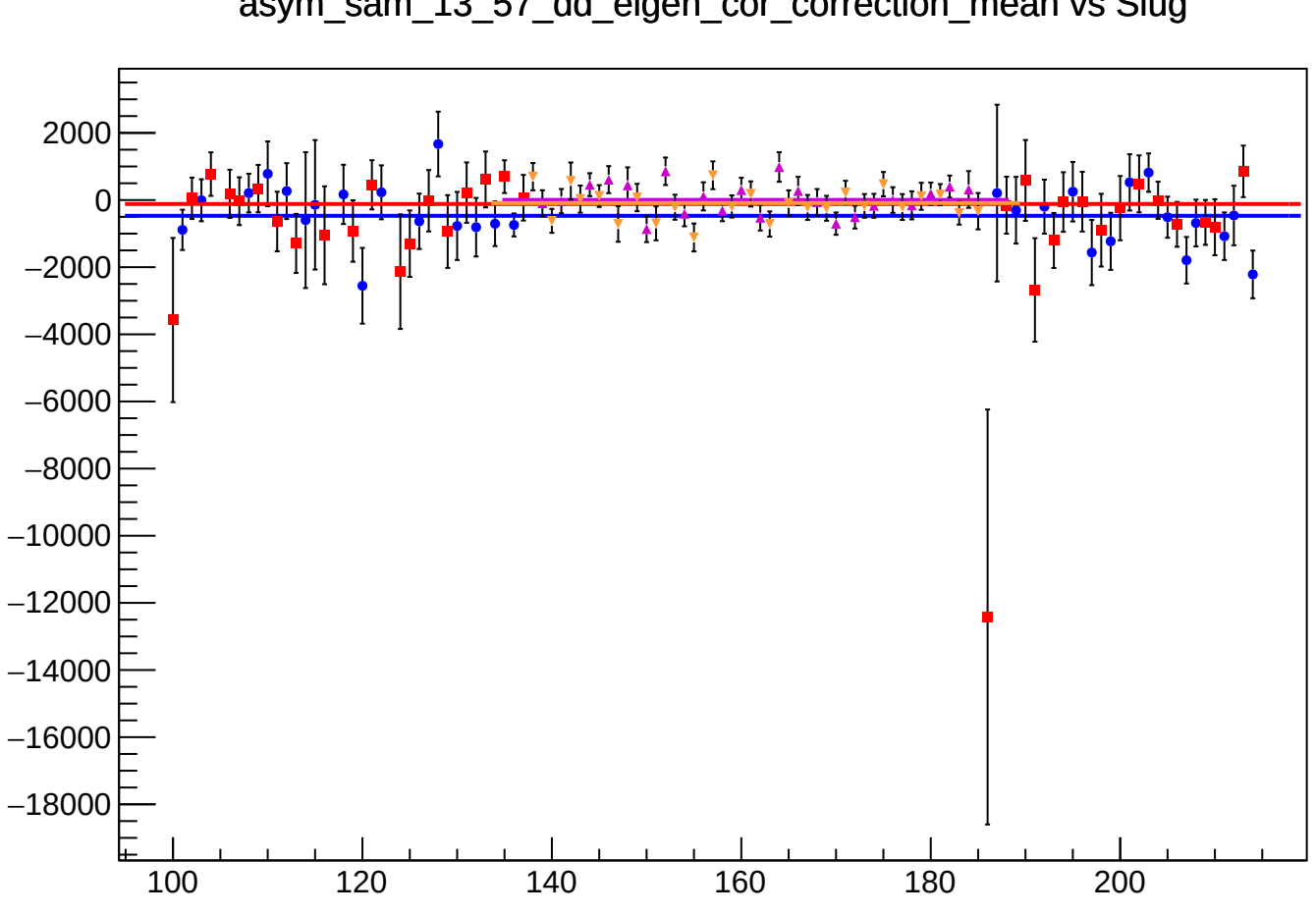
Right Out: 68.028+/-0.011 χ^2/NDF: 1982022.9/33

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.905+/-0.007 χ^2/NDF: 2022599.5/54

All: 61.495+/-0.005 χ^2/NDF: 4614052.8/111

- sign 62.120+/-0.007 χ^2/NDF: 2577334.5/56



Right In: -469.690+/-136.582 χ^2/NDF: 35.5/29

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -117.396+/-140.849 χ^2/NDF: 29.4/33

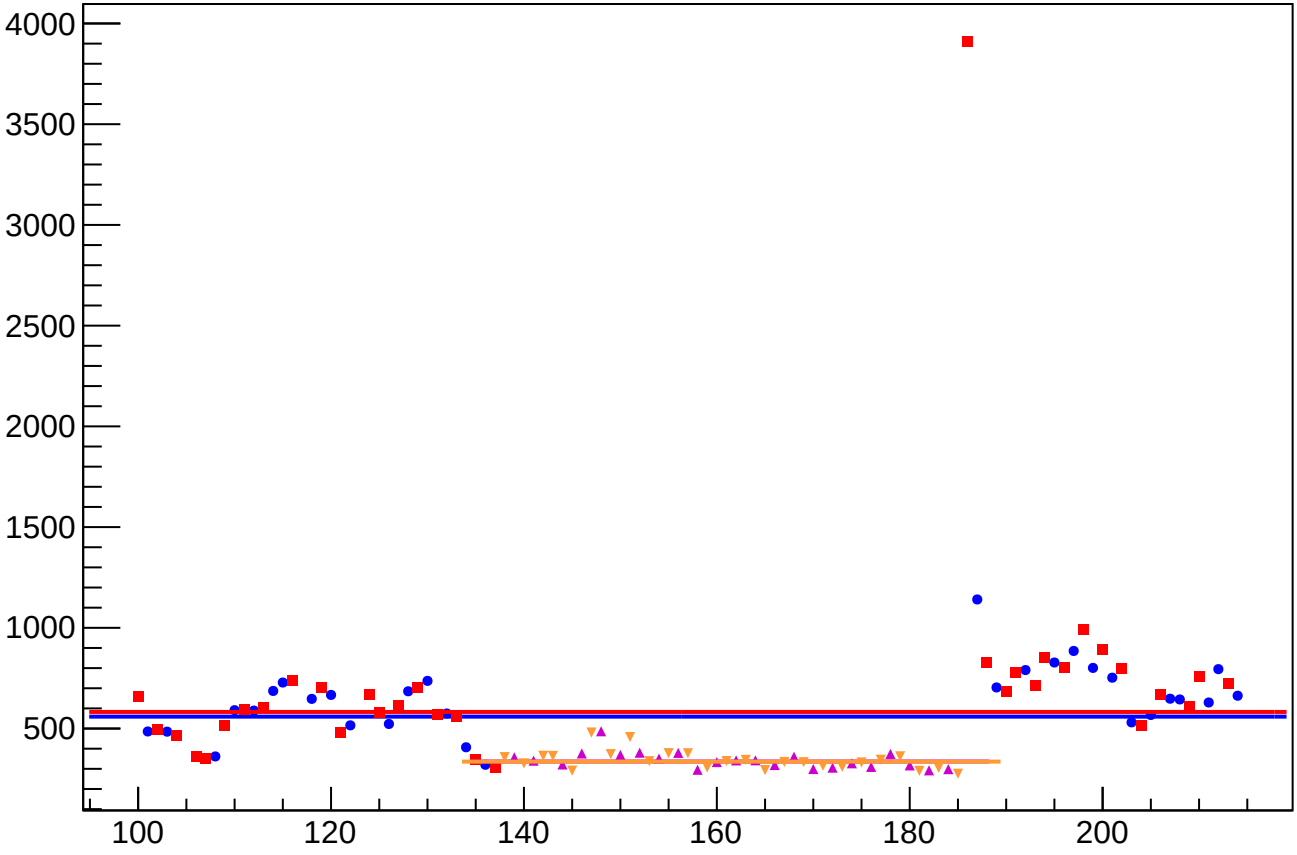
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -180.879+/-67.082 χ^2/NDF: 71.3/54

All: -105.599+/-48.108 χ^2/NDF: 137.4/111

- sign -25.883+/-69.030 χ^2/NDF: 63.5/56

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 559.179+/-0.097 χ^2/NDF: 2803484.9/29

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.478+/-0.100 χ^2/NDF: 3457120.8/33

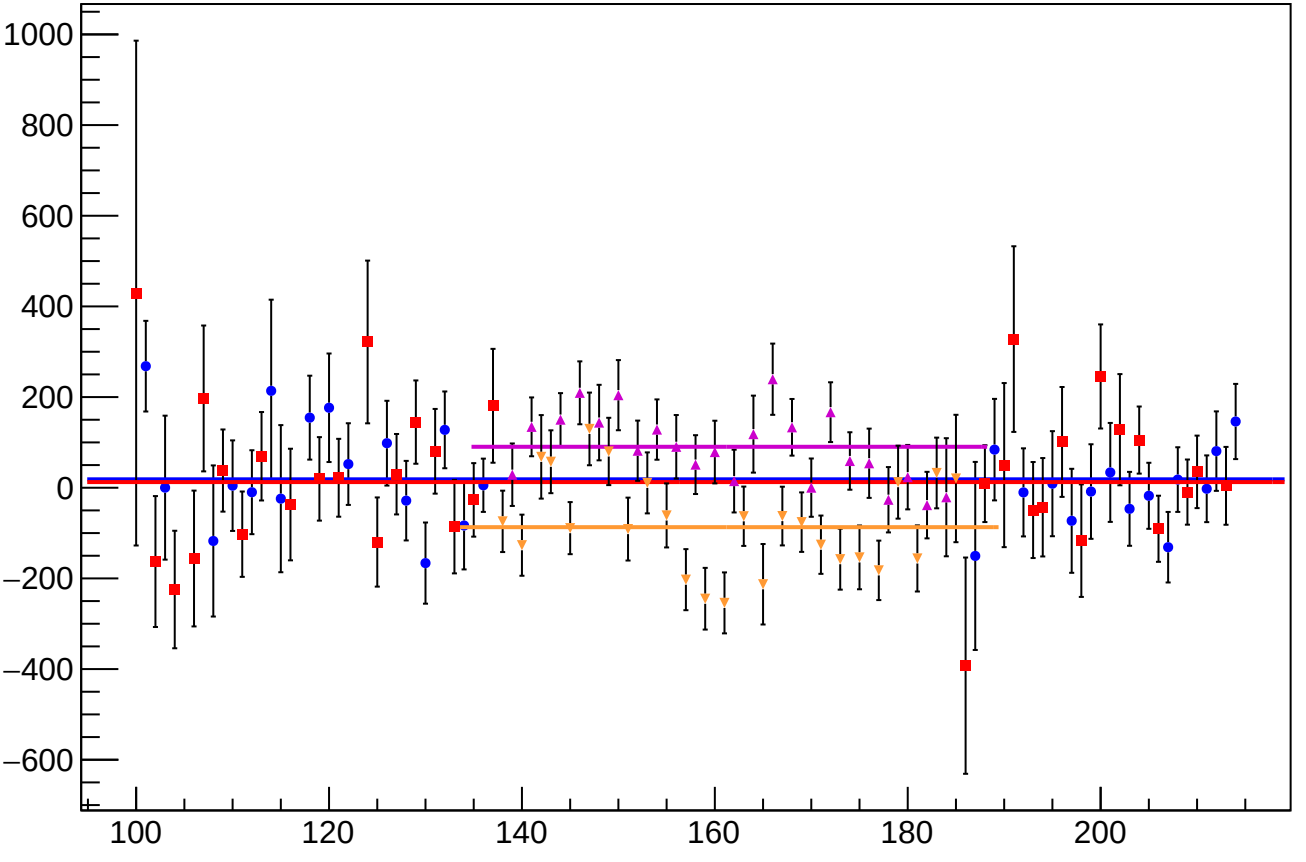
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 389.757+/-0.047 χ^2/NDF: 7393058.8/54

All: 392.529+/-0.034 χ^2/NDF: 15911969.7/11

- sign 395.464+/-0.049 χ^2/NDF: 8511879.9/56

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 18.588+/-17.236 χ^2/NDF: 29.5/29

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 12.493+/-17.751 χ^2/NDF: 36.7/33

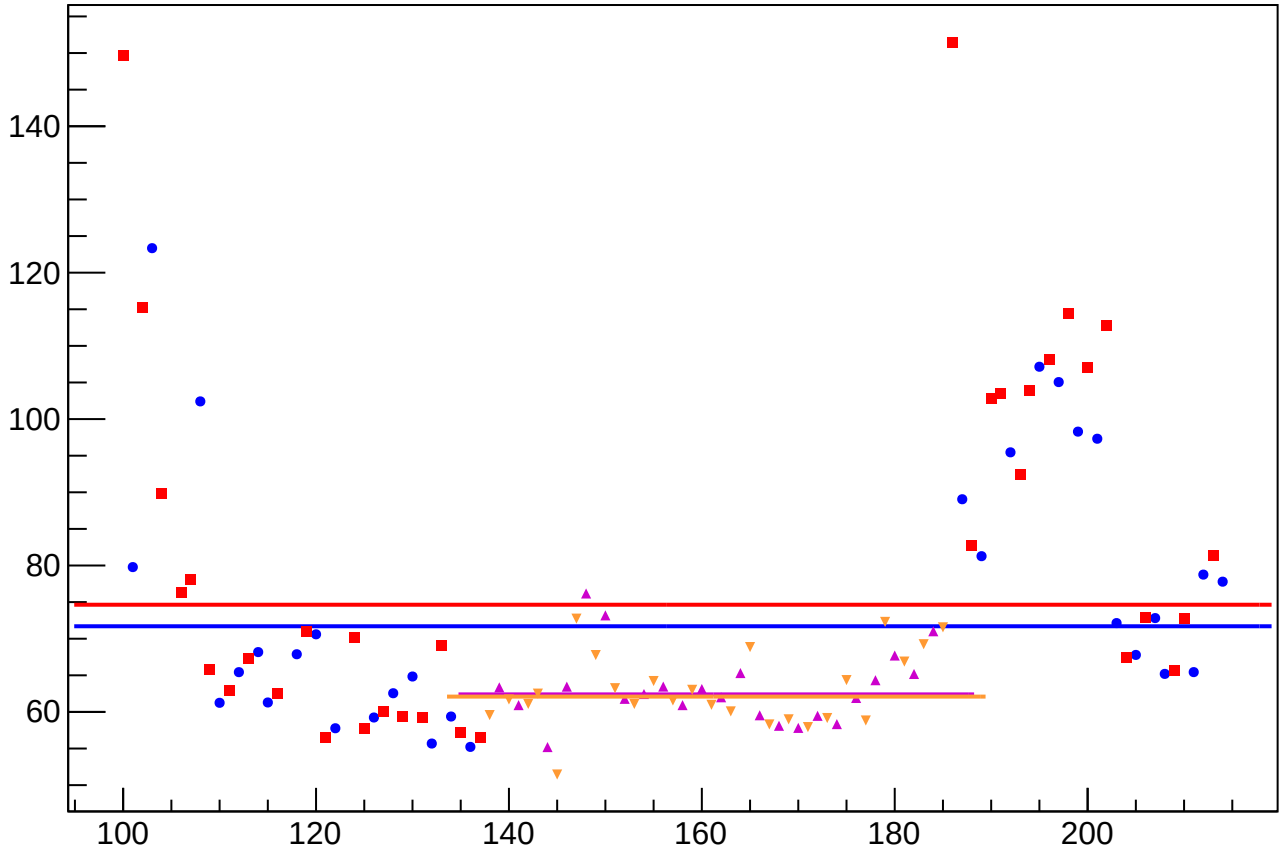
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.375+/-10.948 χ^2/NDF: 100.7/54

All: 5.570+/-7.863 χ^2/NDF: 216.9/111

- sign 58.796+/-11.302 χ^2/NDF: 73.2/56

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.701+/-0.012 χ^2/NDF: 1519815.4/29

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

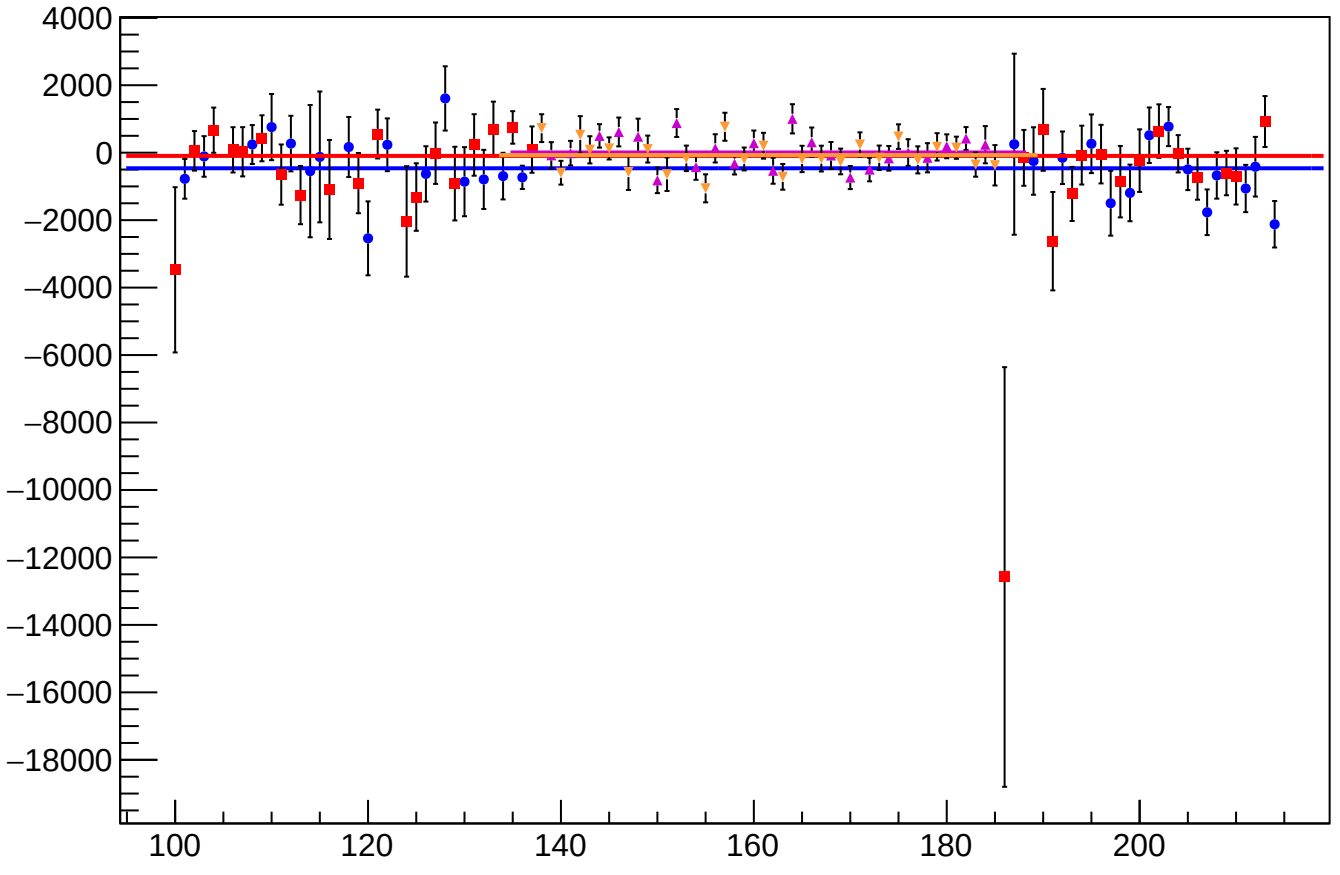
Right Out: 74.642+/-0.013 χ^2/NDF: 2052804.0/33

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.969+/-0.008 χ^2/NDF: 2123884.6/54

All: 66.643+/-0.006 χ^2/NDF: 4947185.5/111

- sign 67.360+/-0.008 χ^2/NDF: 2807688.4/56



Right In: -462.353+/-135.842 χ^2/NDF: 34.3/29

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -95.657+/-138.840 χ^2/NDF: 30.6/33

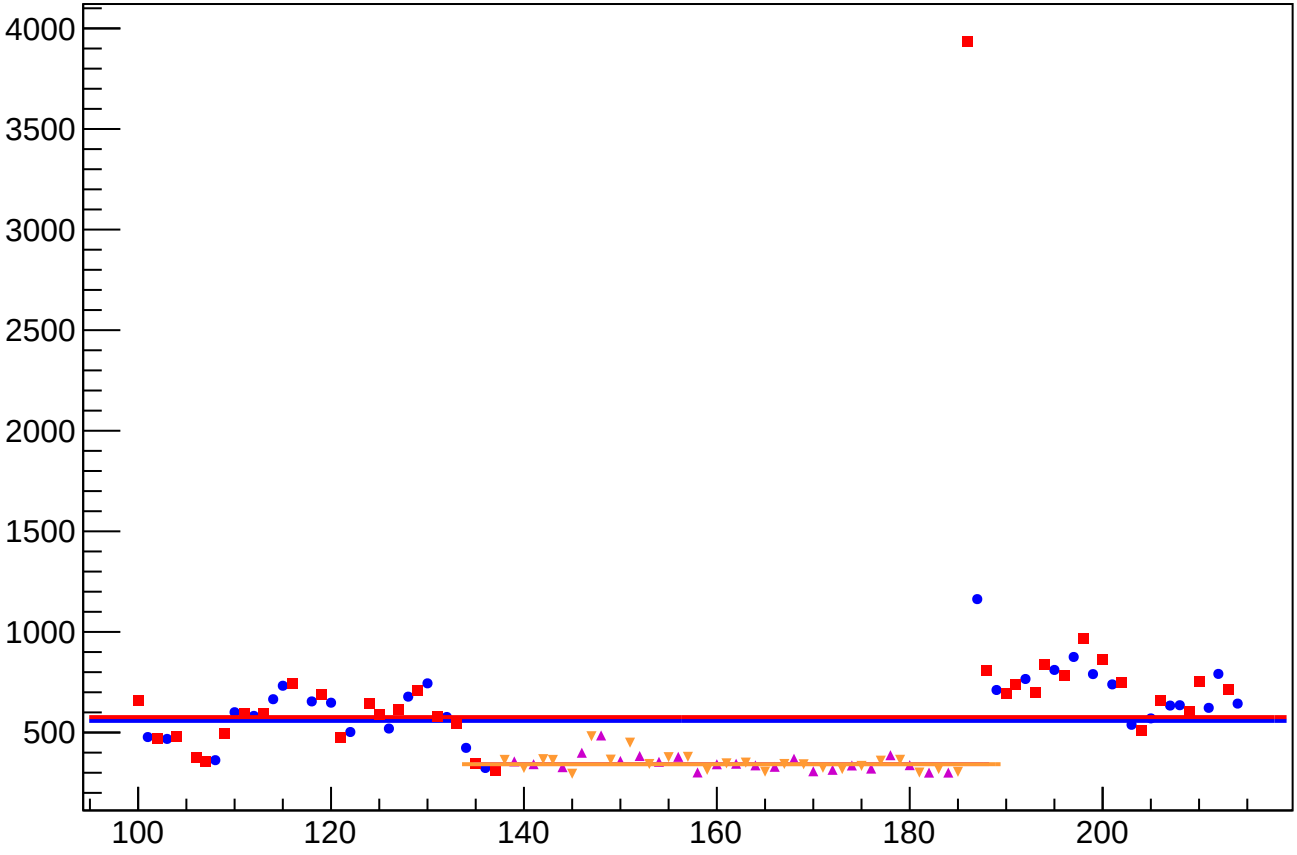
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -169.028+/-67.902 χ^2/NDF: 69.1/54

All: -96.382+/-48.674 χ^2/NDF: 136.5/111

- sign -19.600+/-69.809 χ^2/NDF: 65.1/56

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 557.867+/-0.096 χ^2/NDF: 2657931.4/29

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 576.560+/-0.098 χ^2/NDF: 3300071.7/33

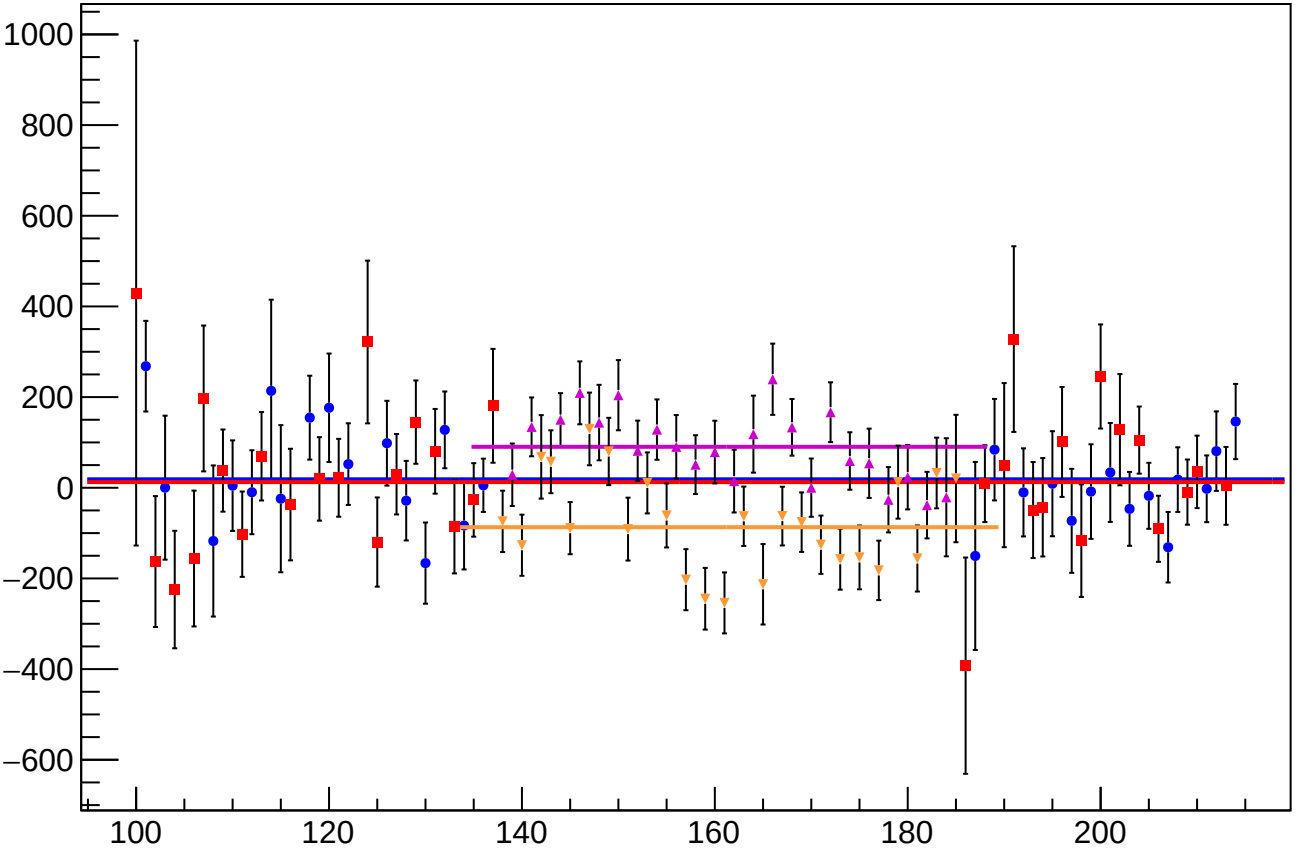
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 396.314+/-0.048 χ^2/NDF: 6863124.3/54

All: 399.190+/-0.034 χ^2/NDF: 14763620.5/11

- sign 402.229+/-0.049 χ^2/NDF: 7893117.1/56

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 18.588+/-17.236 χ^2/NDF: 29.5/29

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 12.494+/-17.751 χ^2/NDF: 36.7/33

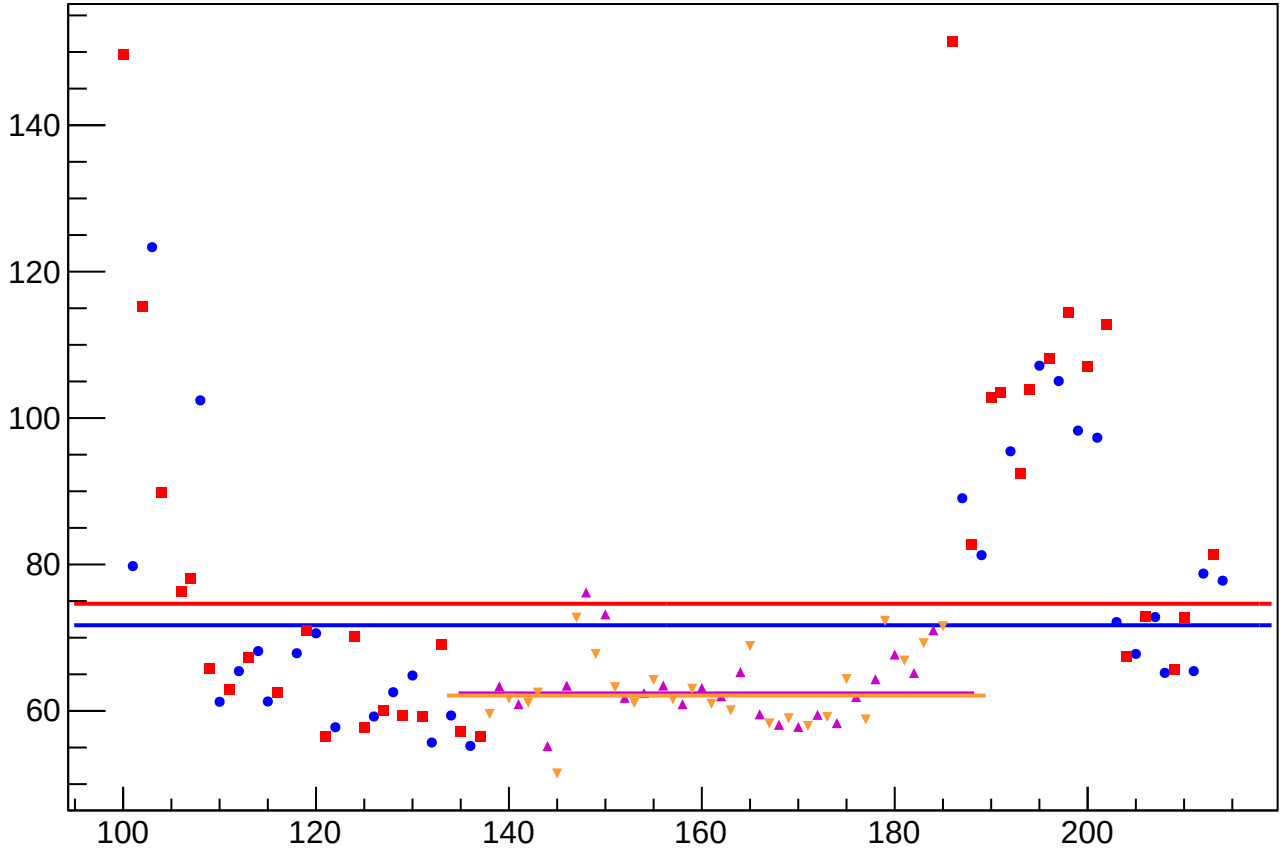
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -44.375+/-10.948 χ^2/NDF: 100.7/54

All: 5.571+/-7.863 χ^2/NDF: 216.9/111

- sign 58.796+/-11.302 χ^2/NDF: 73.2/56

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.701+/-0.012 χ^2/NDF: 1519837.8/29

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

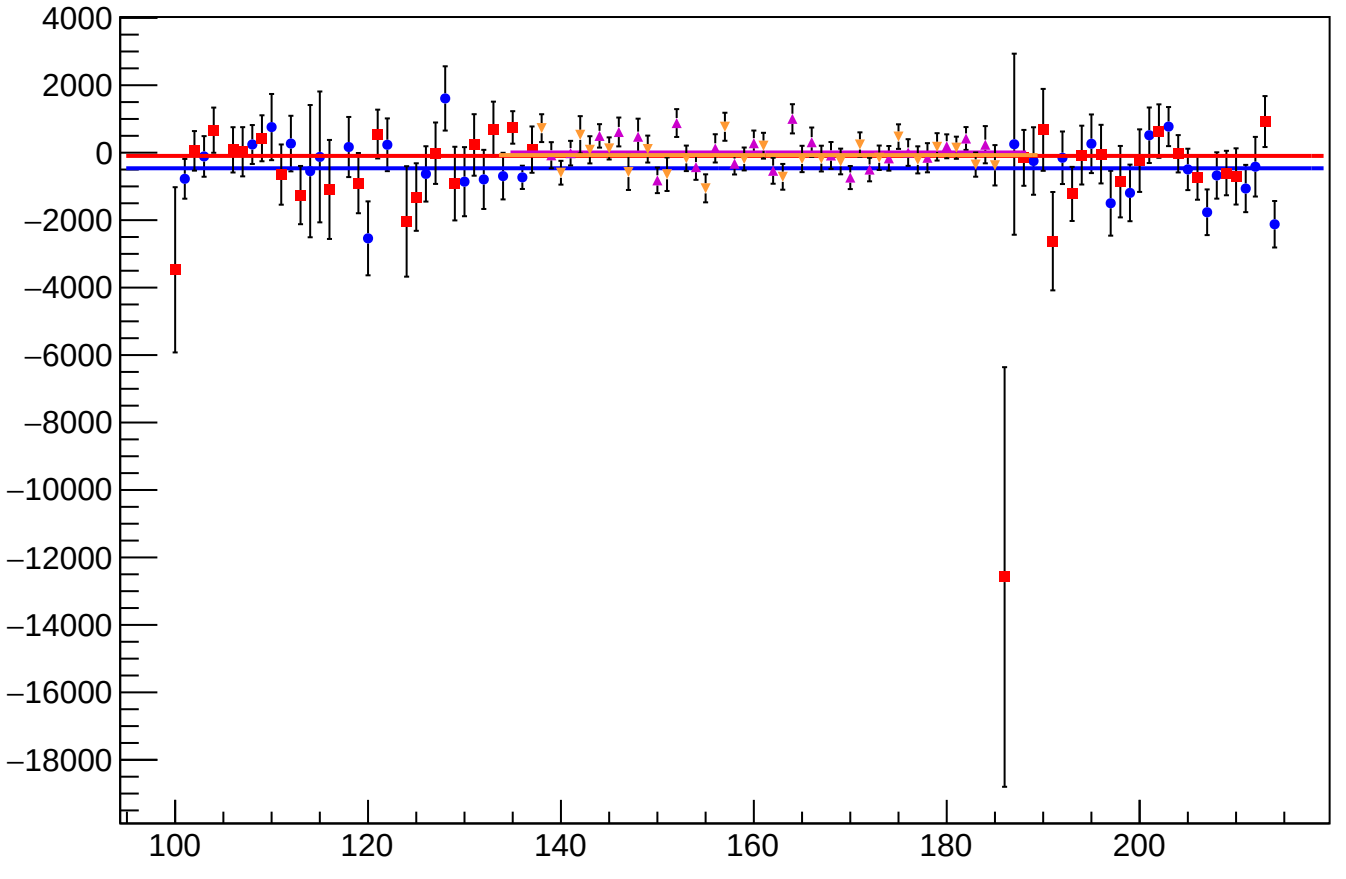
Right Out: 74.642+/-0.013 χ^2/NDF: 2052807.3/33

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.969+/-0.008 χ^2/NDF: 2123908.1/54

All: 66.642+/-0.006 χ^2/NDF: 4947208.9/111

- sign 67.360+/-0.008 χ^2/NDF: 2807687.9/56



Right In: -462.353+/-135.841 χ^2/NDF: 34.3/29

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -95.656+/-138.840 χ^2/NDF: 30.6/33

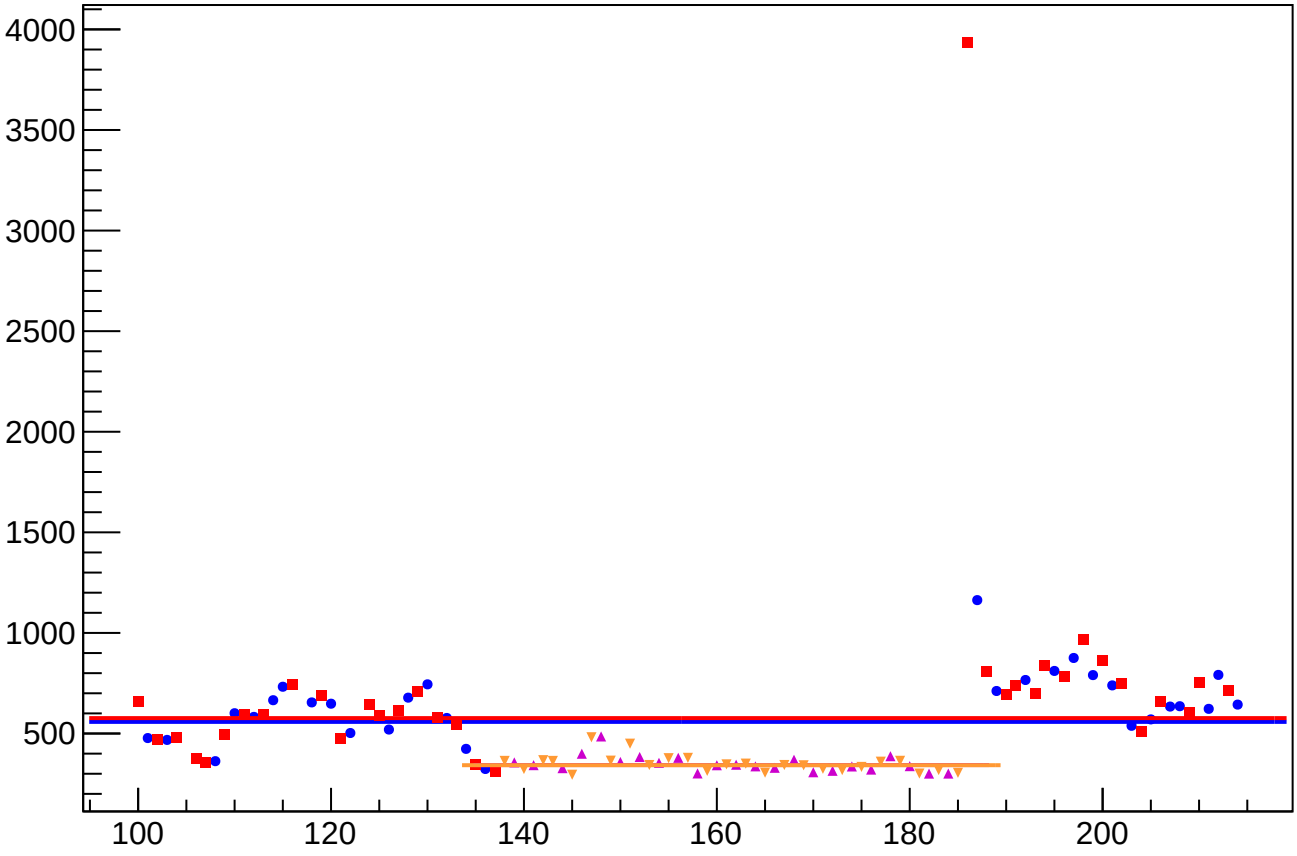
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -169.027+/-67.902 χ^2/NDF: 69.1/54

All: -96.382+/-48.674 χ^2/NDF: 136.5/111

- sign -19.599+/-69.809 χ^2/NDF: 65.1/56

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug



Right In: 557.866+/-0.096 χ^2/NDF: 2657935.6/29

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 576.559+/-0.098 χ^2/NDF: 3300077.7/33

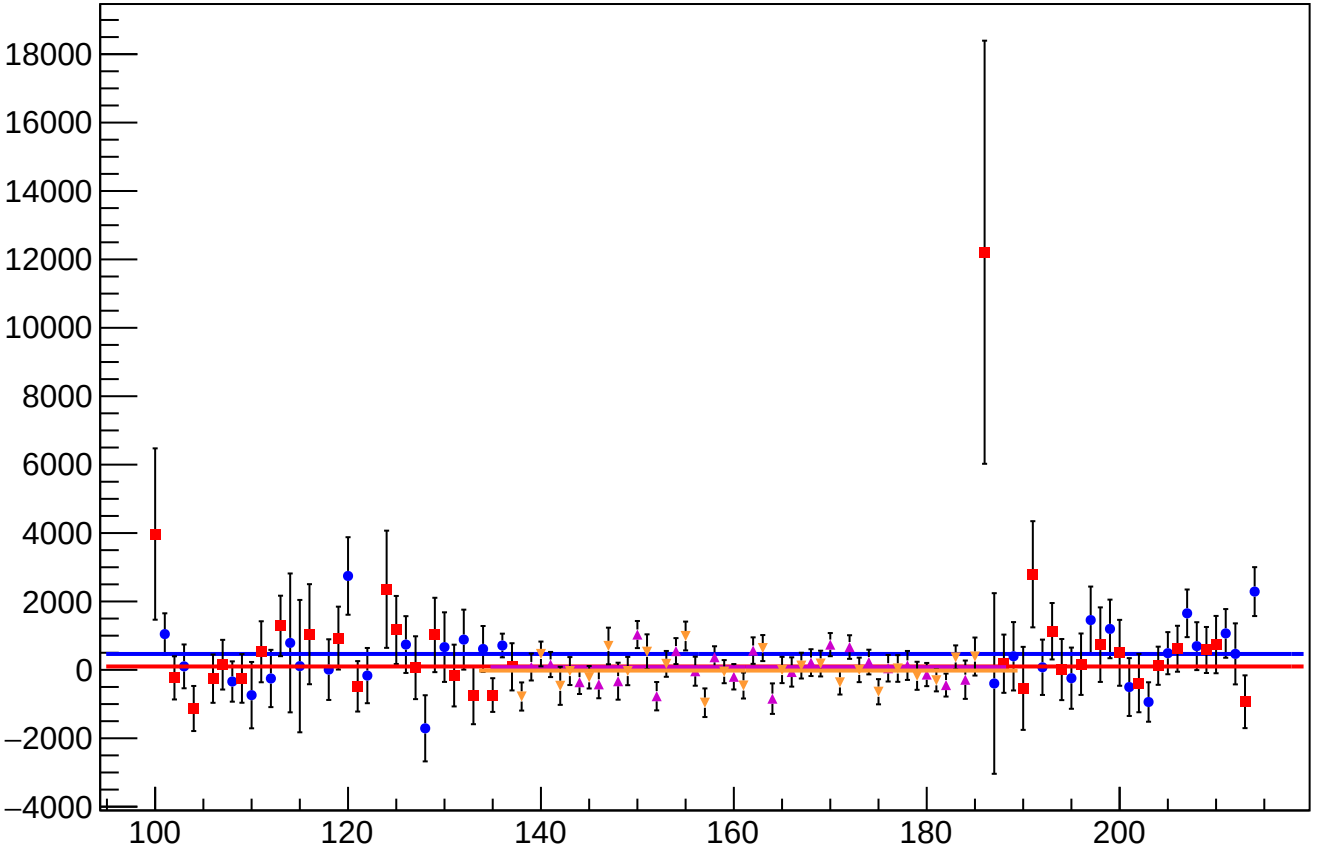
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 396.314+/-0.048 χ^2/NDF: 6863115.4/54

All: 399.190+/-0.034 χ^2/NDF: 14763594.9/11

- sign 402.229+/-0.049 χ^2/NDF: 7893100.1/56

asym_sam_13_57_dd_mean vs Slug



Right In: 465.121+/-137.841 χ^2/NDF: 36.6/29

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 99.233+/-141.939 χ^2/NDF: 31.2/33

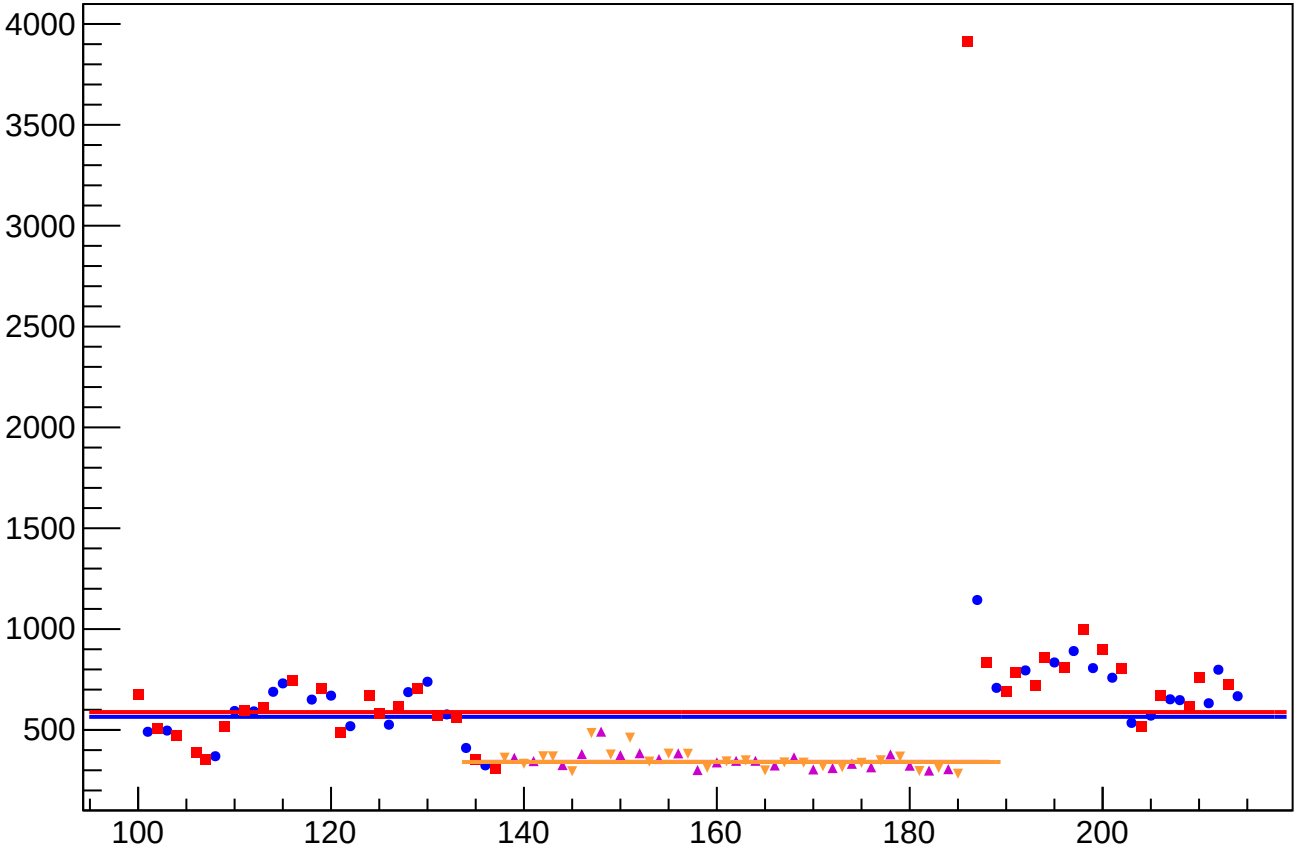
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

\+ sign 97.905+/-68.014 χ^2/NDF: 77.4/54

All: 91.005+/-48.768 χ^2/NDF: 141.5/111

\- sign 83.703+/-69.963 χ^2/NDF: 64.1/56

asym_sam_13_57_dd_rms vs Slug



Right In: 564.928+/-0.097 χ^2/NDF: 2736613.1/29

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 588.652+/-0.100 χ^2/NDF: 3368728.4/33

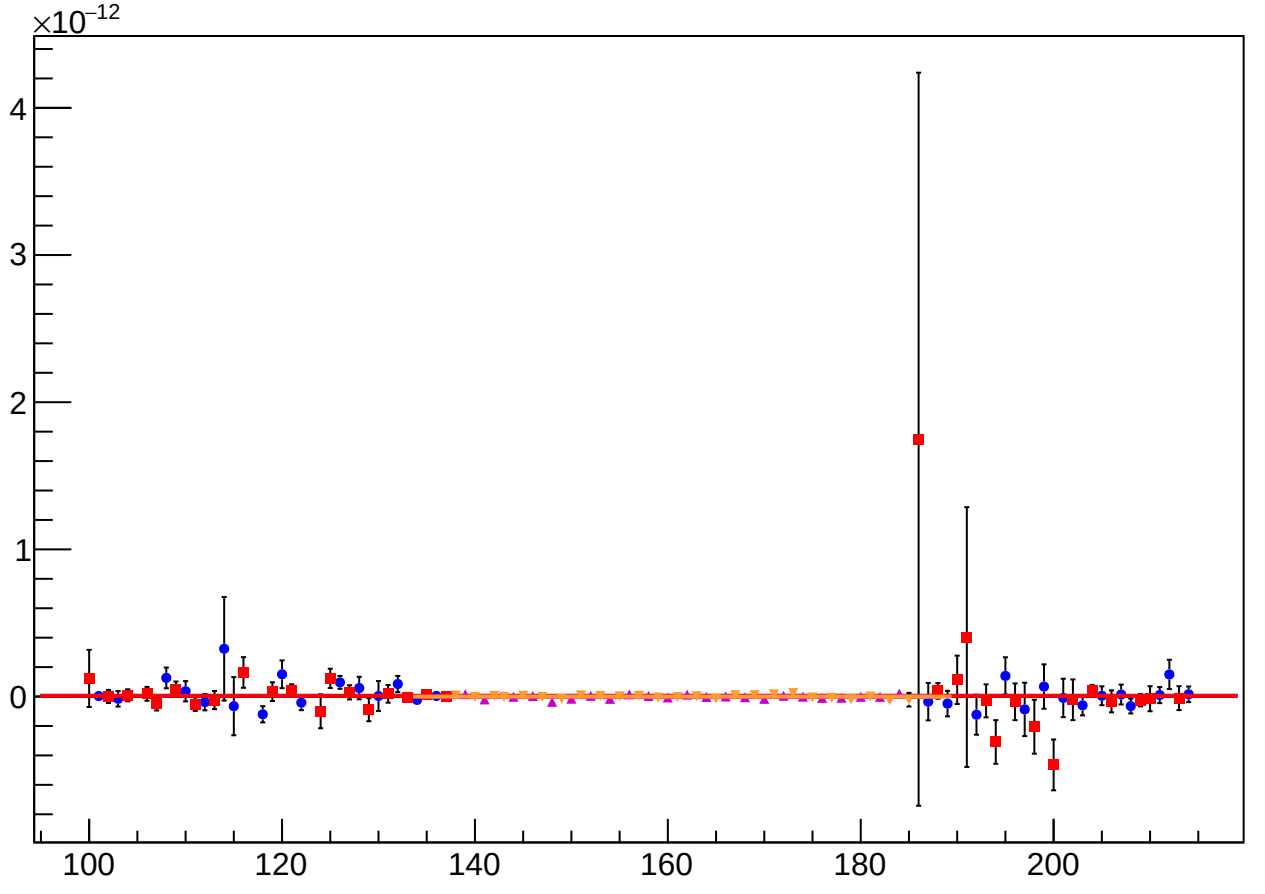
Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 395.670+/-0.048 χ^2/NDF: 7233536.3/54

All: 398.571+/-0.034 χ^2/NDF: 15592738.0/11

- sign 401.641+/-0.049 χ^2/NDF: 8351712.1/56

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

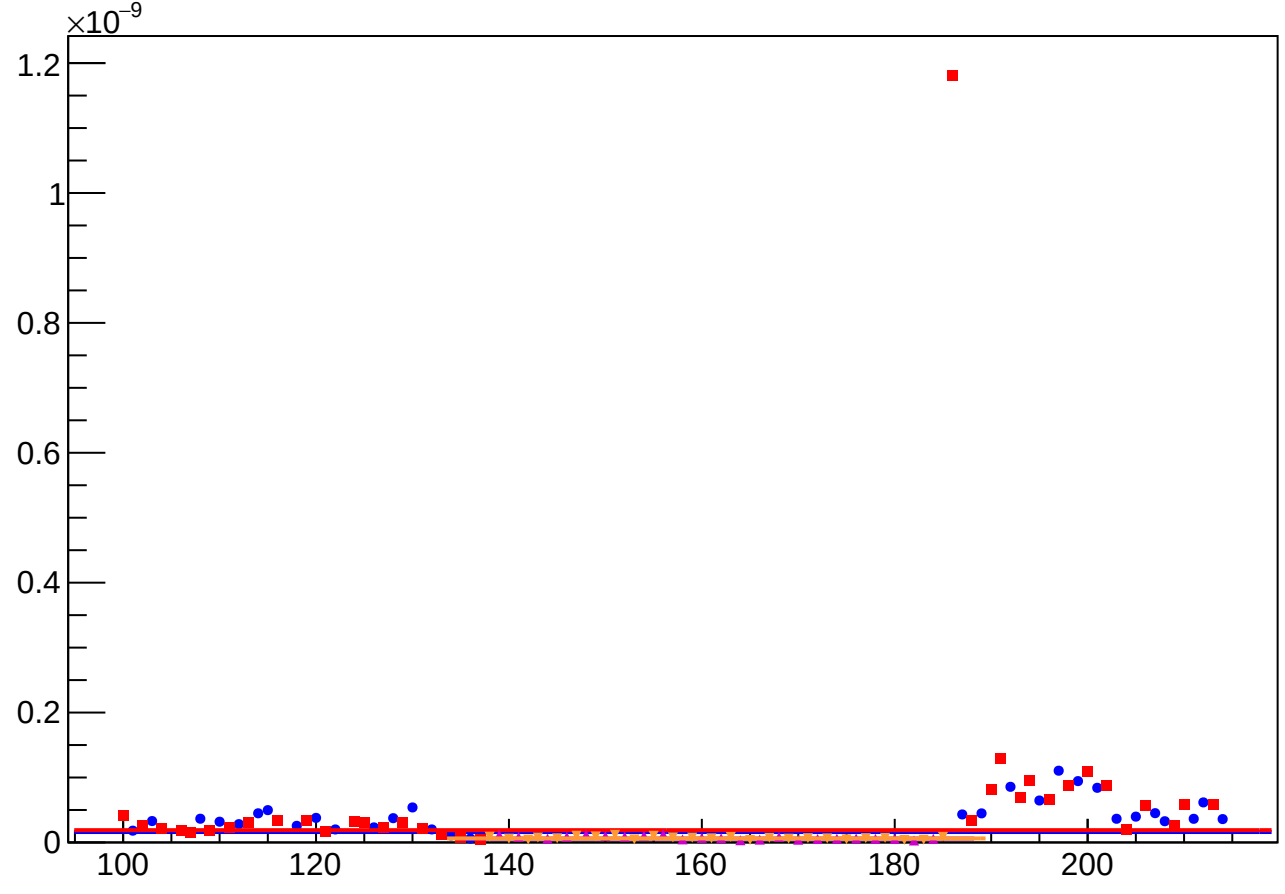
Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/33

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/54

All: -0.000+/-0.000 χ^2/NDF: 94.5/111

- sign -0.000+/-0.000 χ^2/NDF: 45.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 8155413.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7174468.6/33

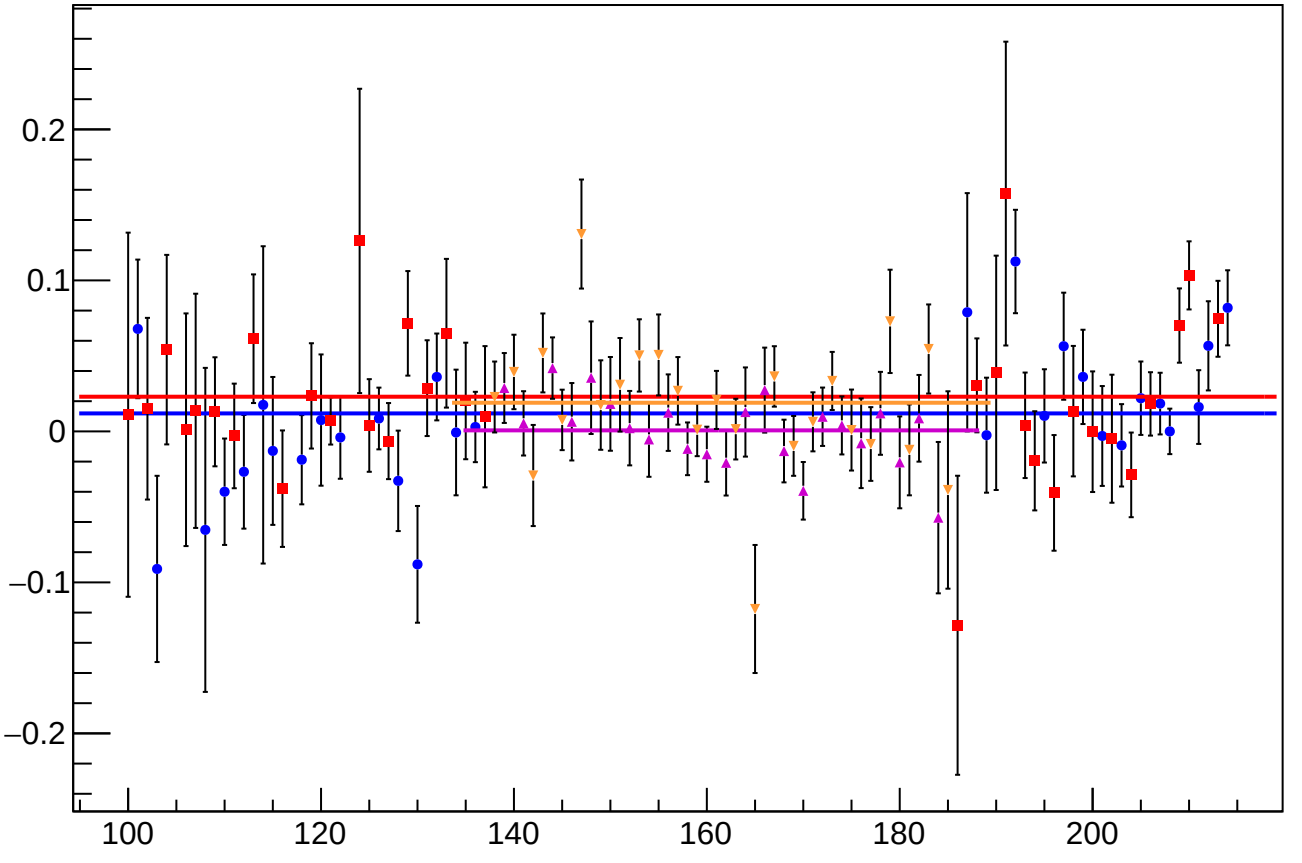
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 12427413.5/54

All: 0.000+/-0.000 χ^2/NDF: 25548405.4/111

- sign 0.000+/-0.000 χ^2/NDF: 13120677.0/56

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.005 χ^2/NDF: 42.8/29

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.023+/-0.006 χ^2/NDF: 44.8/33

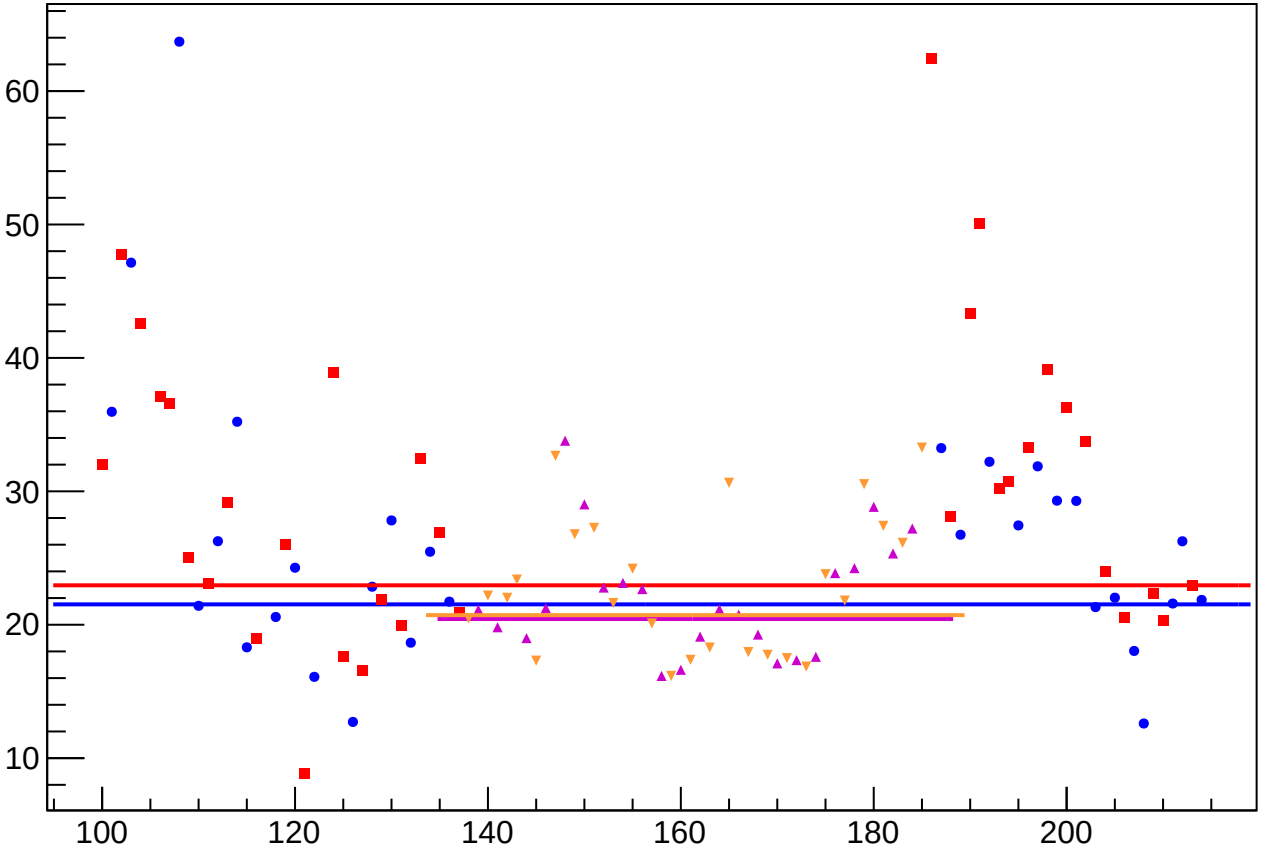
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/54

All: 0.013+/-0.003 χ^2/NDF: 157.1/111

- sign 0.010+/-0.004 χ^2/NDF: 70.9/56

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.527+/-0.004 χ^2/NDF: 3049134.1/29

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

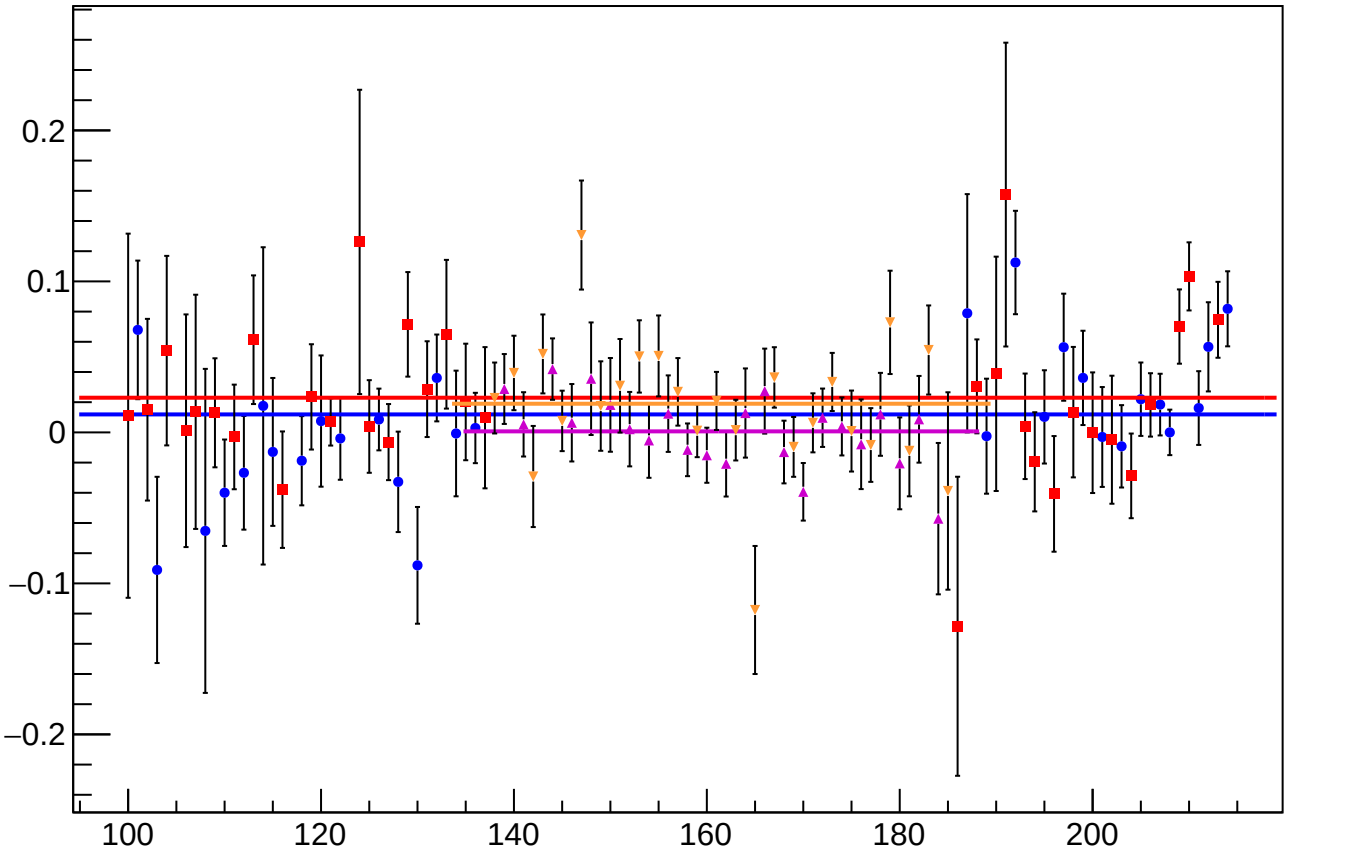
Right Out: 22.955+/-0.004 χ^2/NDF: 4442582.8/33

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.075+/-0.003 χ^2/NDF: 4579834.5/54

All: 21.268+/-0.002 χ^2/NDF: 10425384.4/111

- sign 21.477+/-0.003 χ^2/NDF: 5833809.5/56



Right In: 0.012+/-0.005 χ^2/NDF: 42.8/29

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

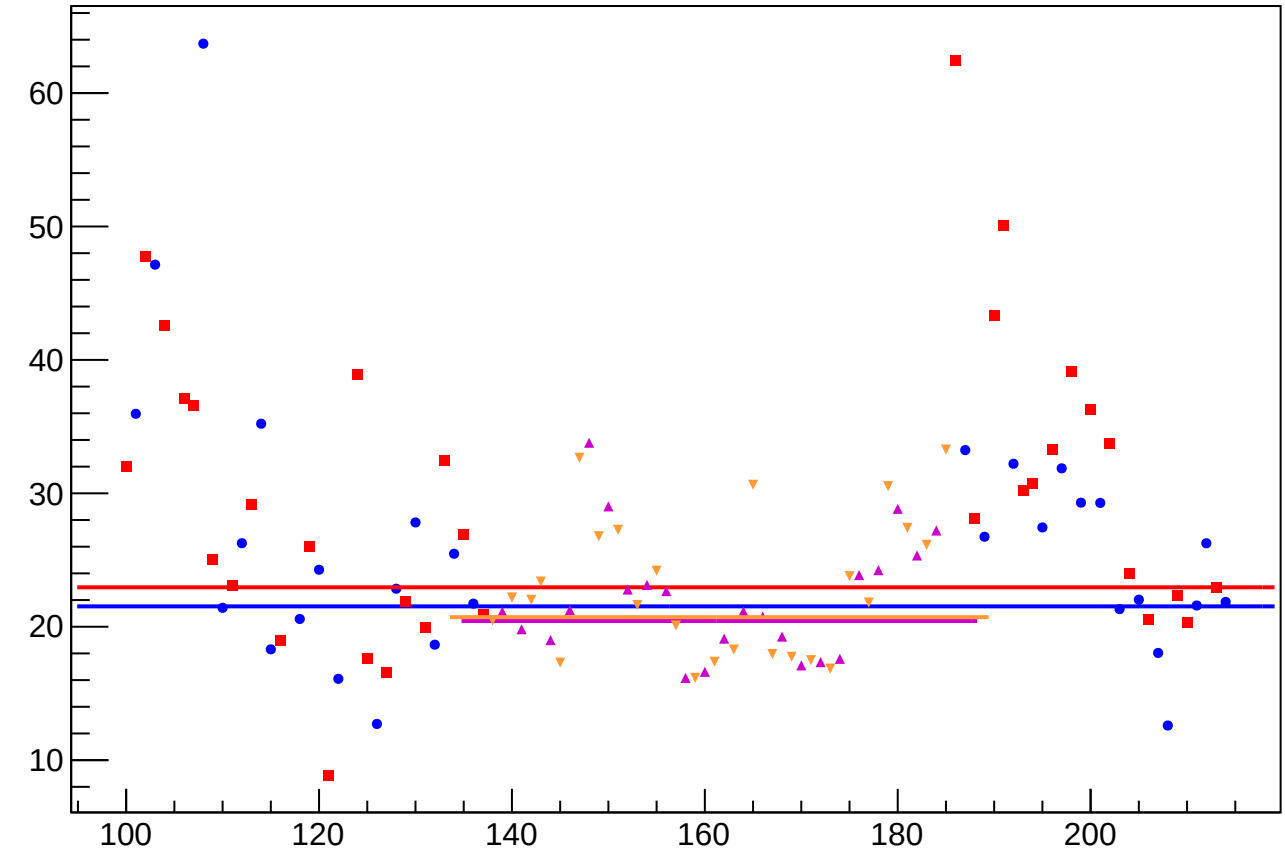
Right Out: 0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/54

All: 0.013+/-0.003 χ^2/NDF: 157.1/111

- sign 0.010+/-0.004 χ^2/NDF: 70.9/56



Right In: 21.527+/-0.004 χ^2/NDF: 3049134.1/29

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

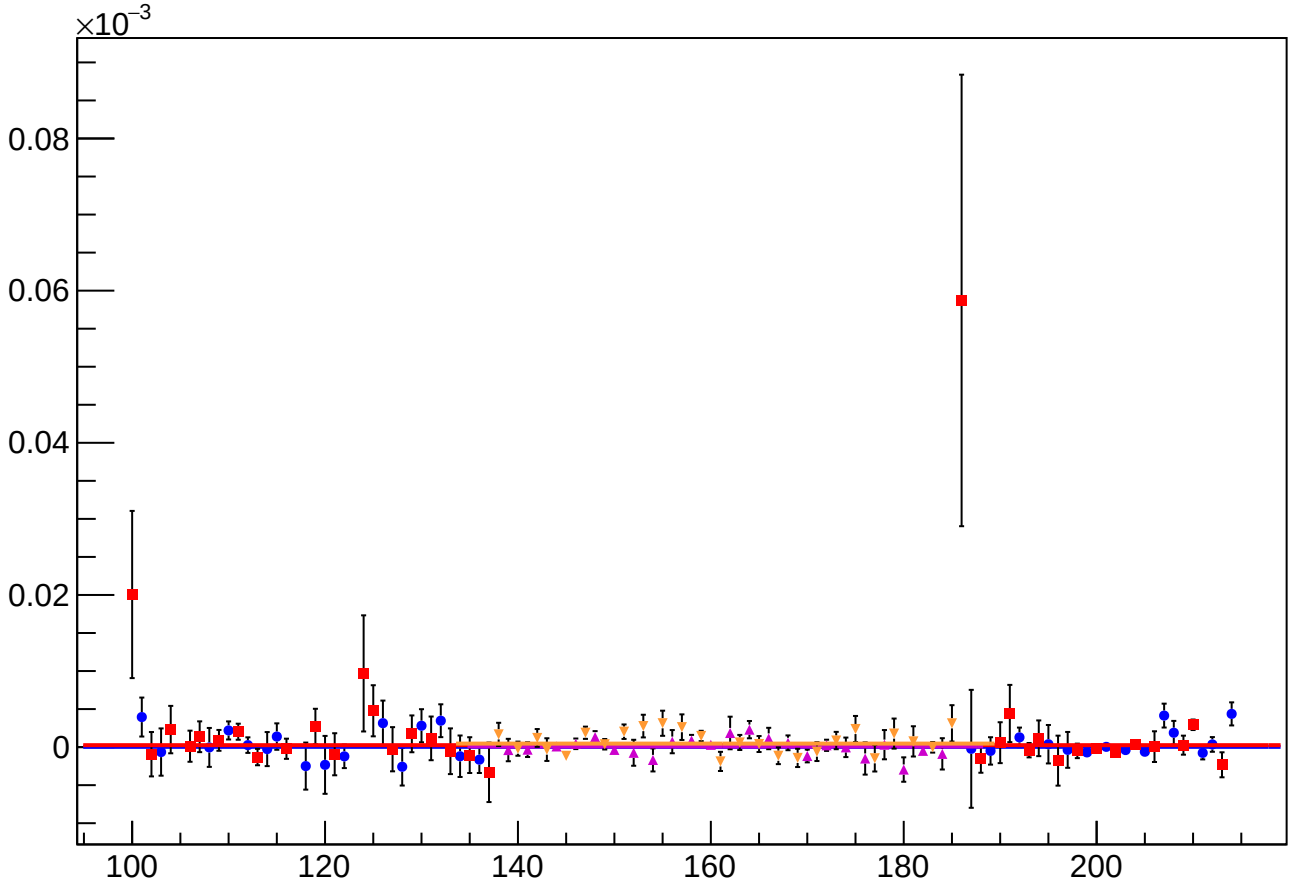
Right Out: 22.955+/-0.004 χ^2/NDF: 4442582.8/33

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.075+/-0.003 χ^2/NDF: 4579834.5/54

All: 21.268+/-0.002 χ^2/NDF: 10425384.4/111

- sign 21.477+/-0.003 χ^2/NDF: 5833809.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.5/33

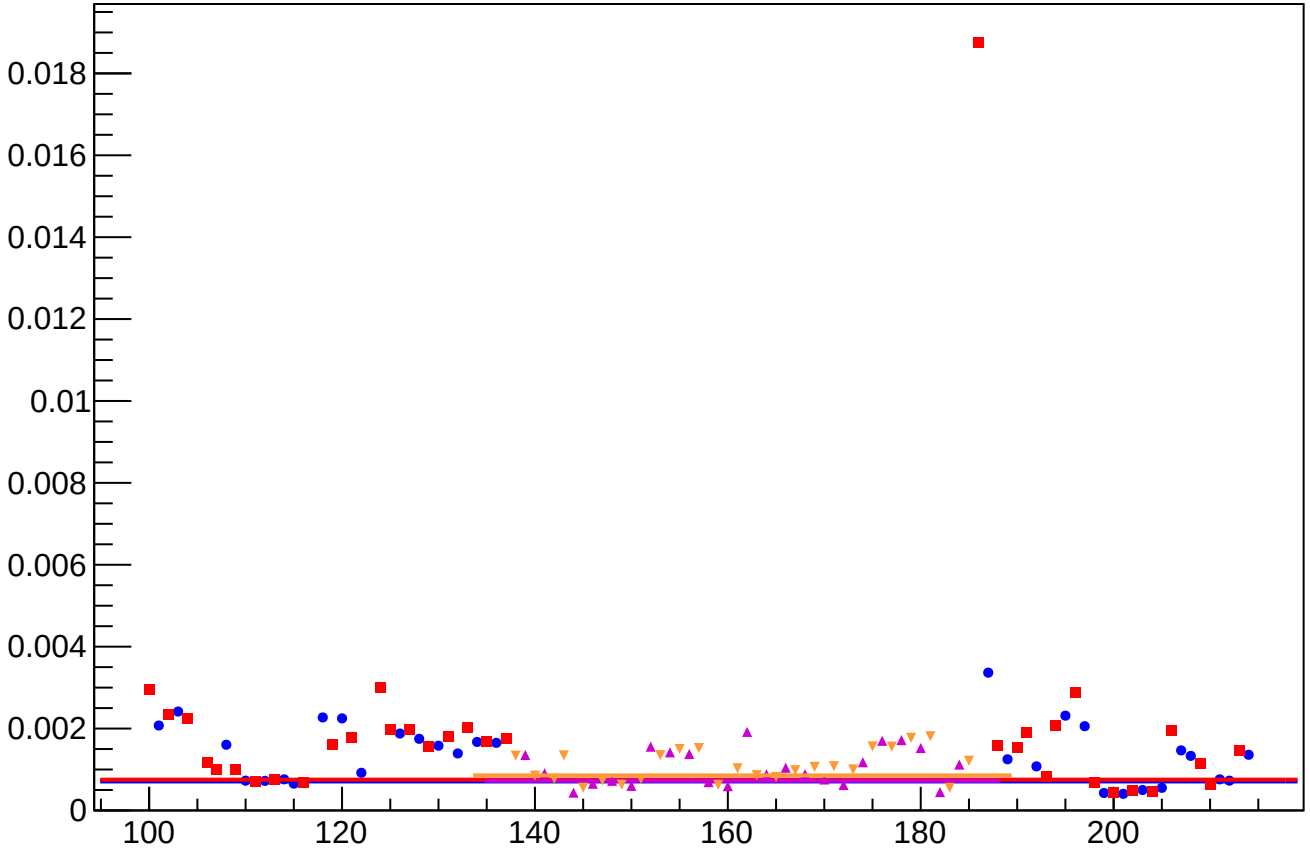
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.0/54

All: 0.000+/-0.000 χ^2/NDF: 141.6/111

- sign 0.000+/-0.000 χ^2/NDF: 64.4/56

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9569447.0/29

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

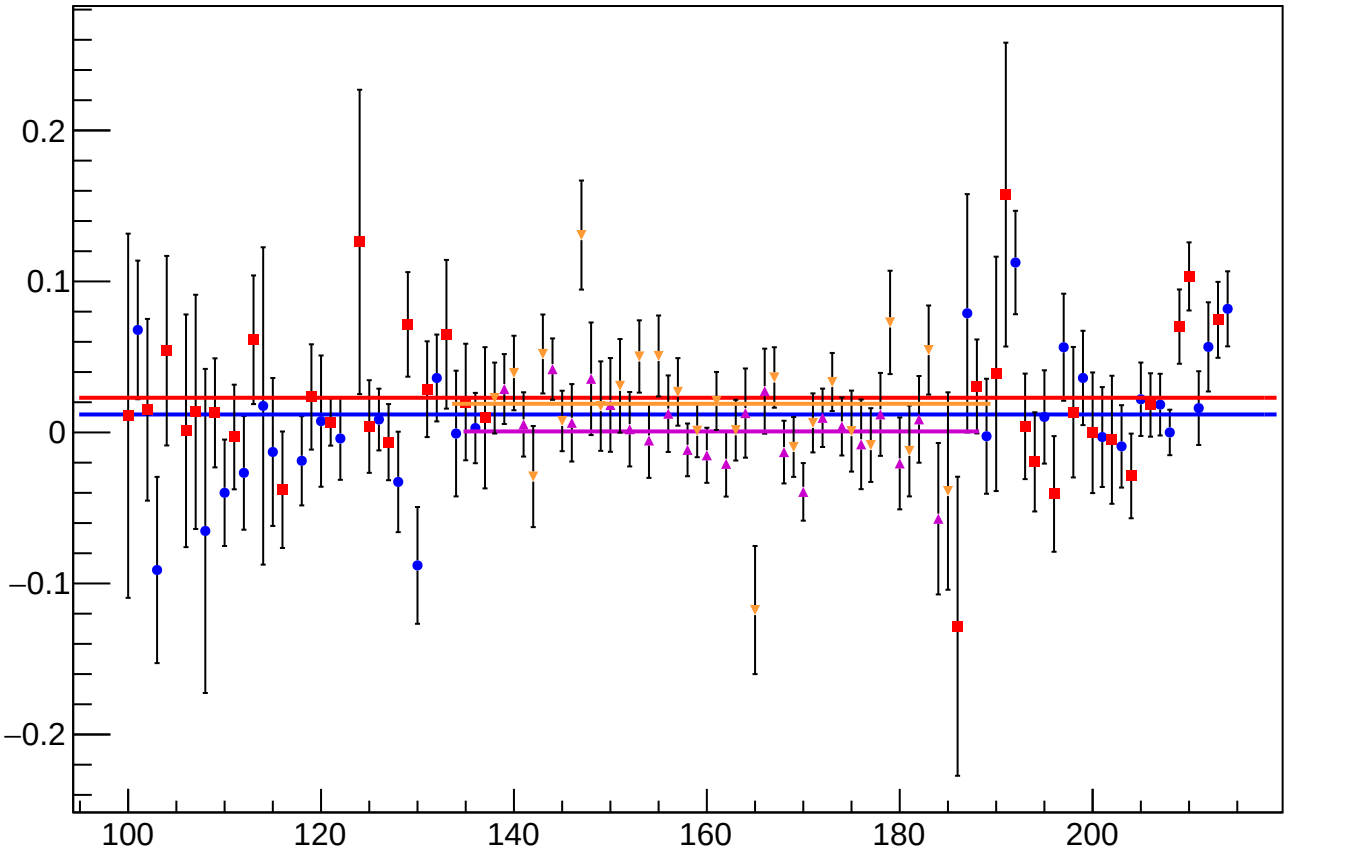
Right Out: 0.001+/-0.000 χ^2/NDF: 10189302.8/33

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 14519513.9/54

All: 0.001+/-0.000 χ^2/NDF: 30617330.0/111

- sign 0.001+/-0.000 χ^2/NDF: 16012408.2/56



Right In: 0.012+/-0.005 χ^2/NDF: 42.8/29

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

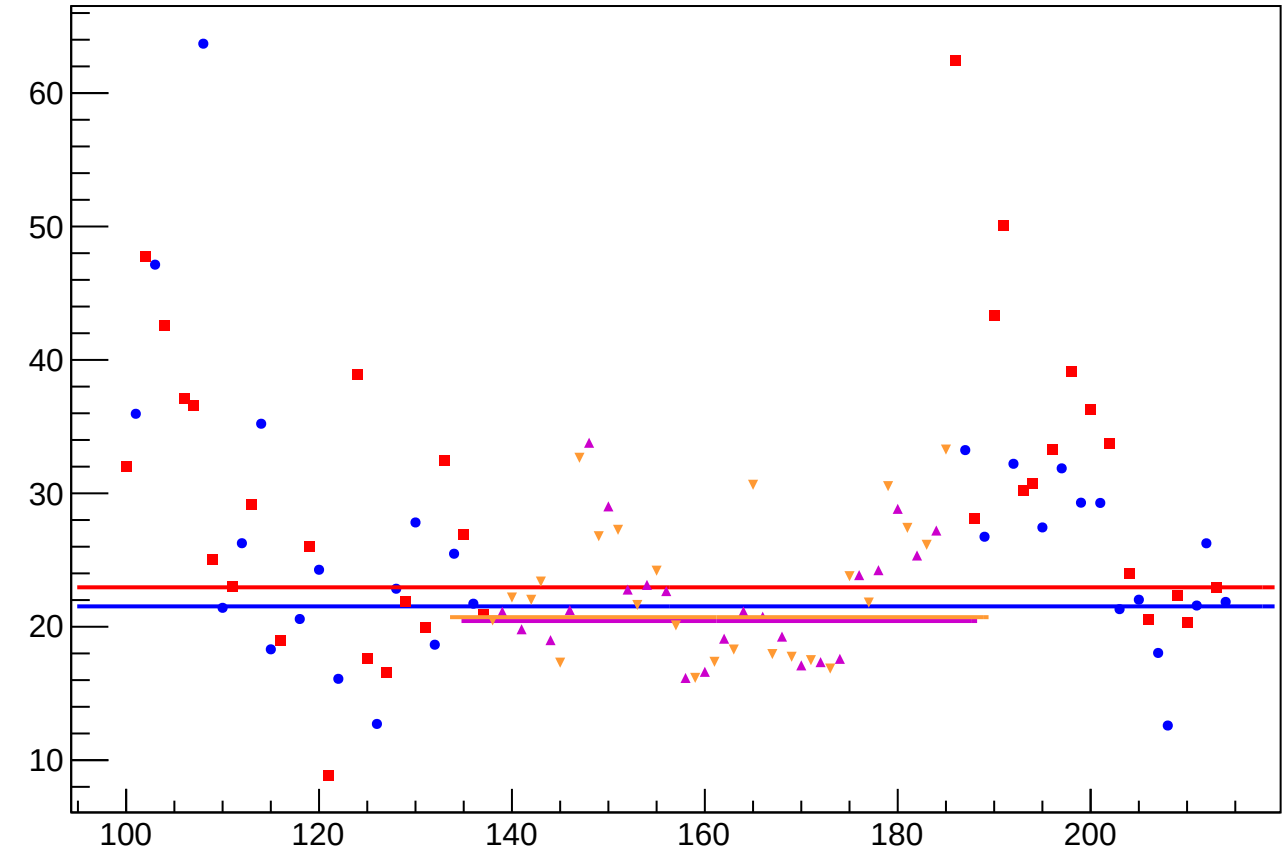
Right Out: 0.023+/-0.006 χ^2/NDF: 44.8/33

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.016+/-0.004 χ^2/NDF: 84.9/54

All: 0.013+/-0.003 χ^2/NDF: 157.1/111

- sign 0.010+/-0.004 χ^2/NDF: 70.9/56



Right In: 21.527+/-0.004 χ^2/NDF: 3049128.2/29

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

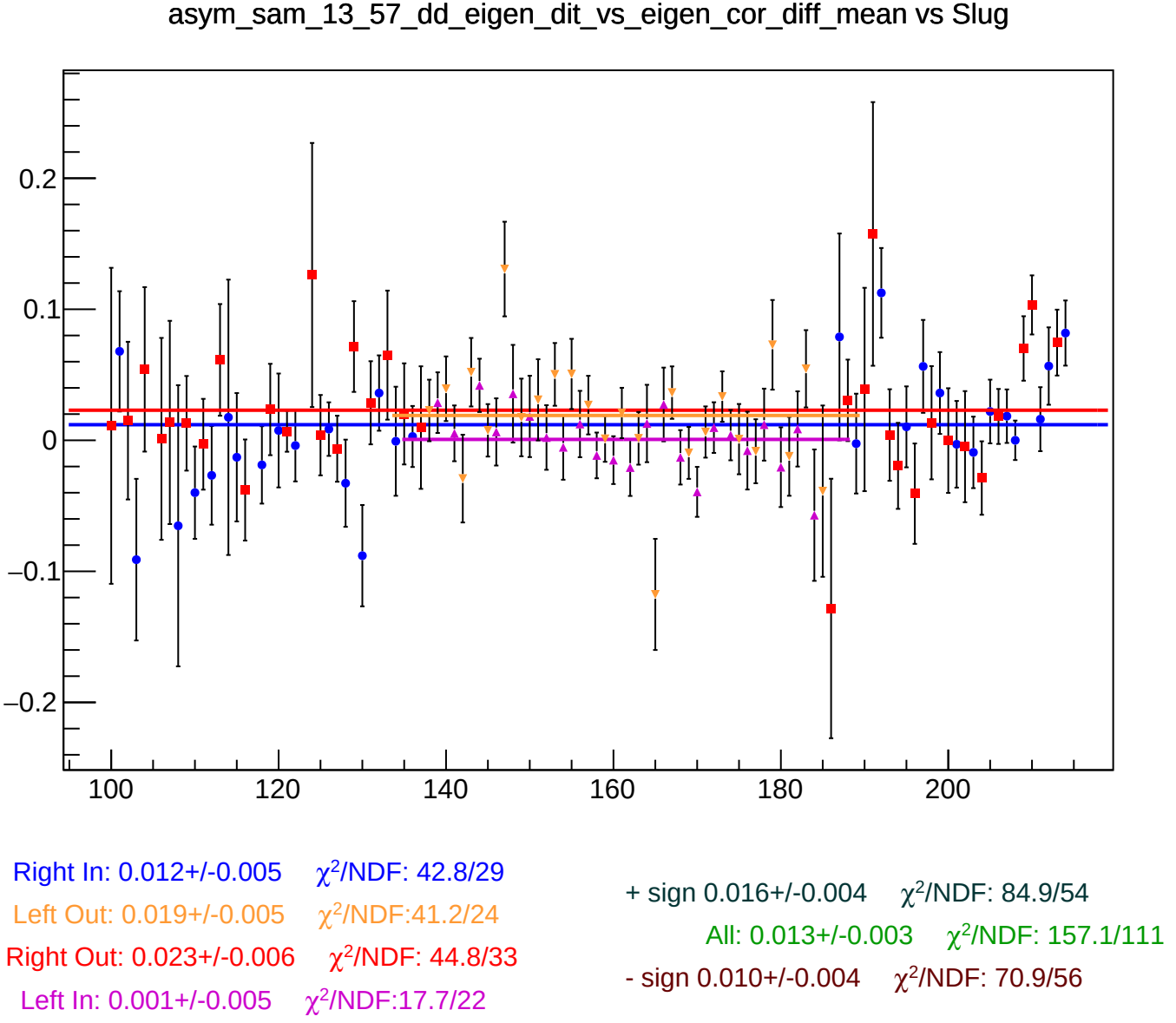
Right Out: 22.956+/-0.004 χ^2/NDF: 4442014.7/33

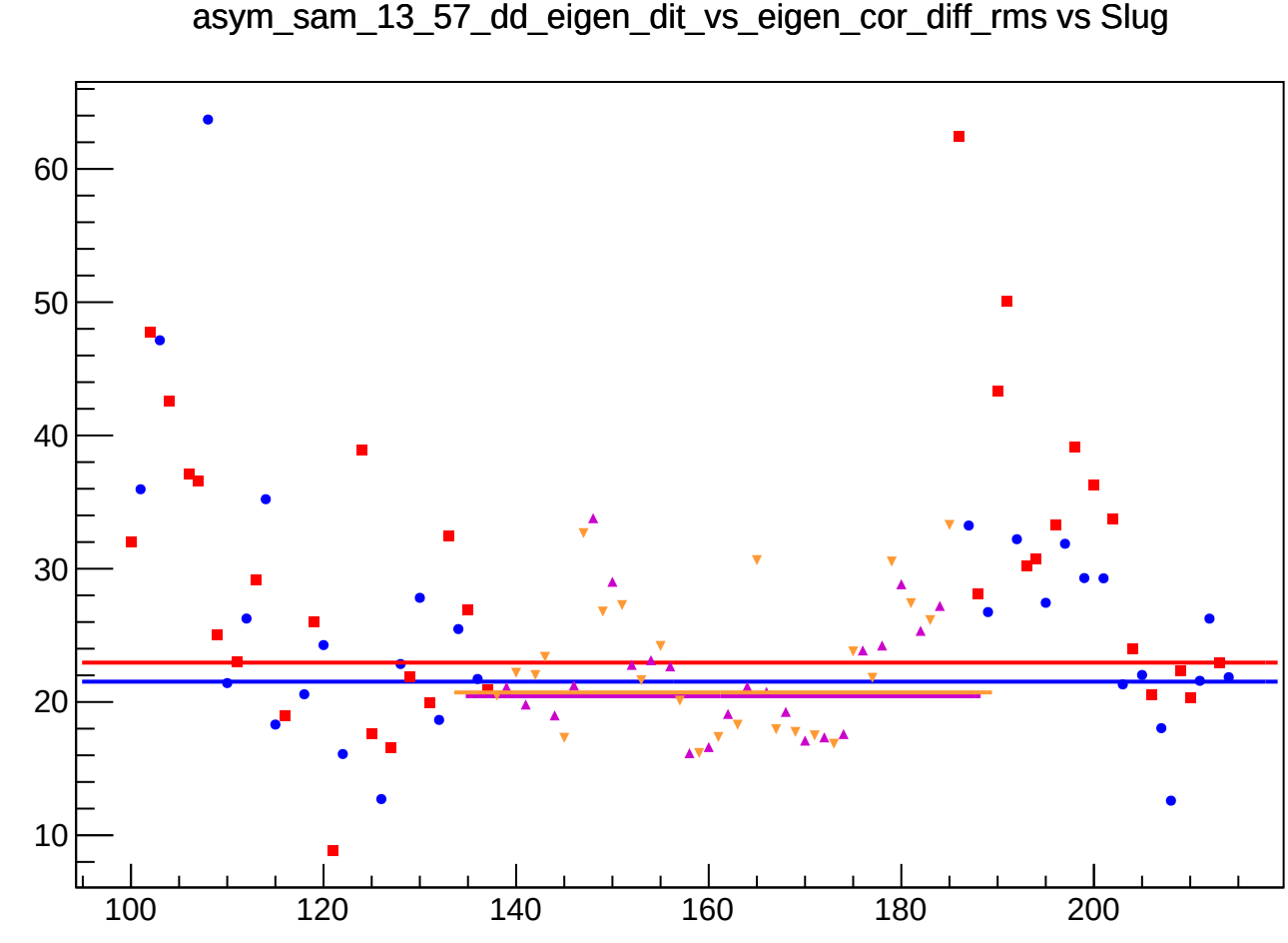
Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.075+/-0.003 χ^2/NDF: 4579937.3/54

All: 21.268+/-0.002 χ^2/NDF: 10425046.0/111

- sign 21.477+/-0.003 χ^2/NDF: 5833356.8/56


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.012+/-0.005 χ²/NDF: 42.8/29
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.023+/-0.006 χ²/NDF: 44.8/33
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.016+/-0.004 χ²/NDF: 84.9/54
All: 0.013+/-0.003 χ²/NDF: 157.1/111
- sign 0.010+/-0.004 χ²/NDF: 70.9/56



Right In: 21.527+/-0.004 χ^2/NDF: 3049128.2/29

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

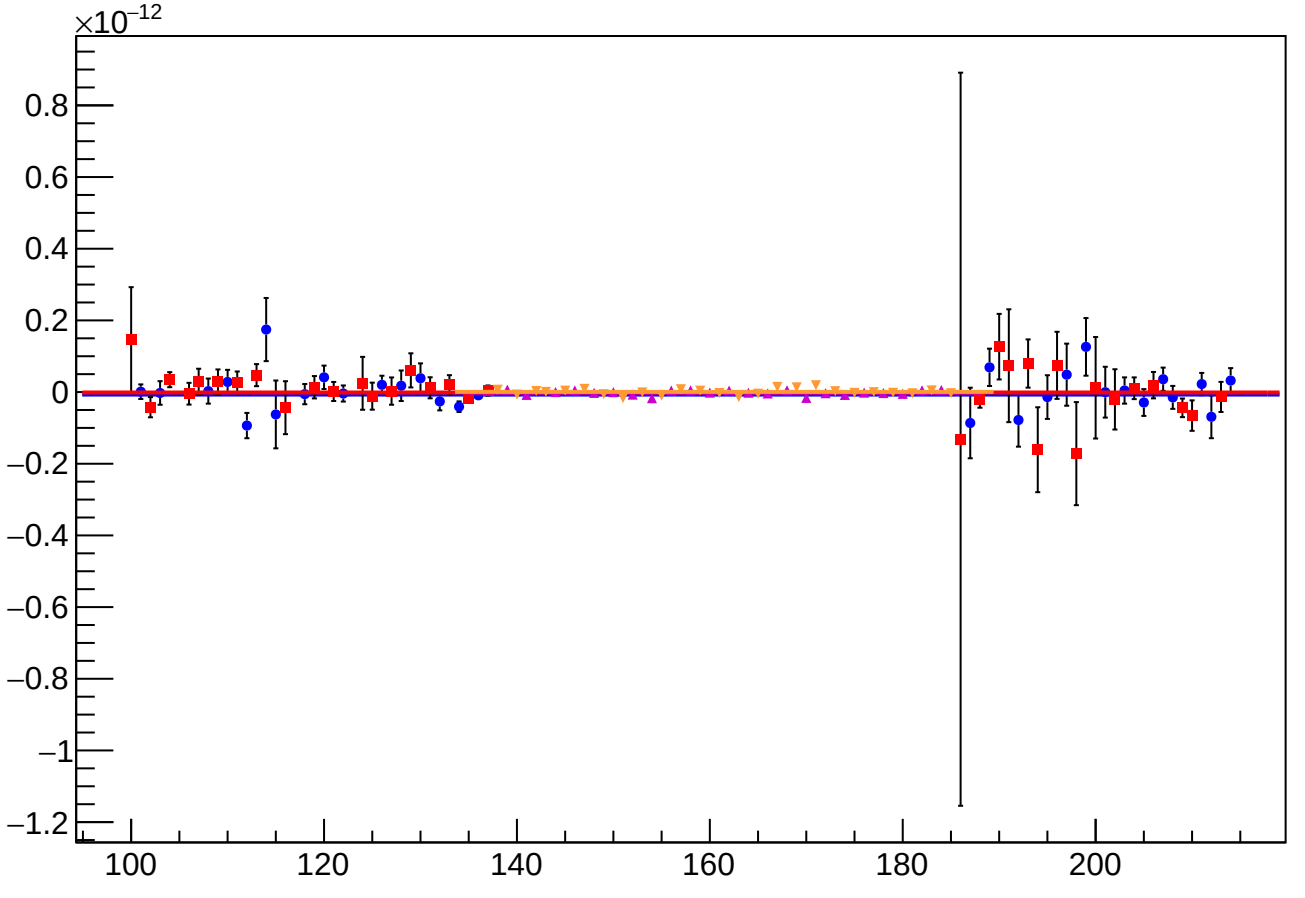
Right Out: 22.956+/-0.004 χ^2/NDF: 4442014.7/33

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

\+ sign 21.075+/-0.003 χ^2/NDF: 4579937.3/54

All: 21.268+/-0.002 χ^2/NDF: 10425046.0/111

\- sign 21.477+/-0.003 χ^2/NDF: 5833356.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

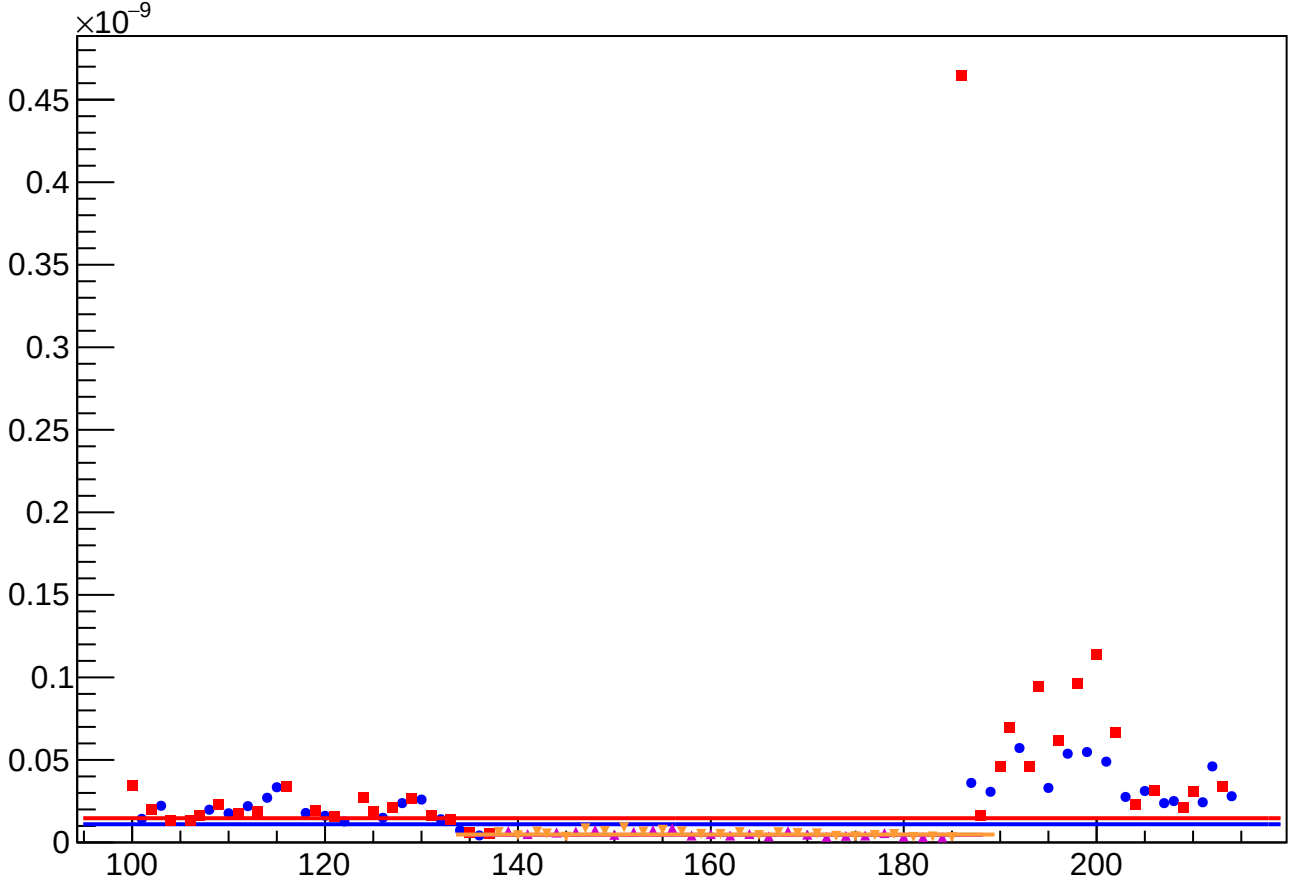
Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/33

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

\+ sign -0.000+/-0.000 χ^2/NDF: 67.1/54

All: -0.000+/-0.000 χ^2/NDF: 119.5/111

\- sign -0.000+/-0.000 χ^2/NDF: 51.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 10776464.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9693451.1/33

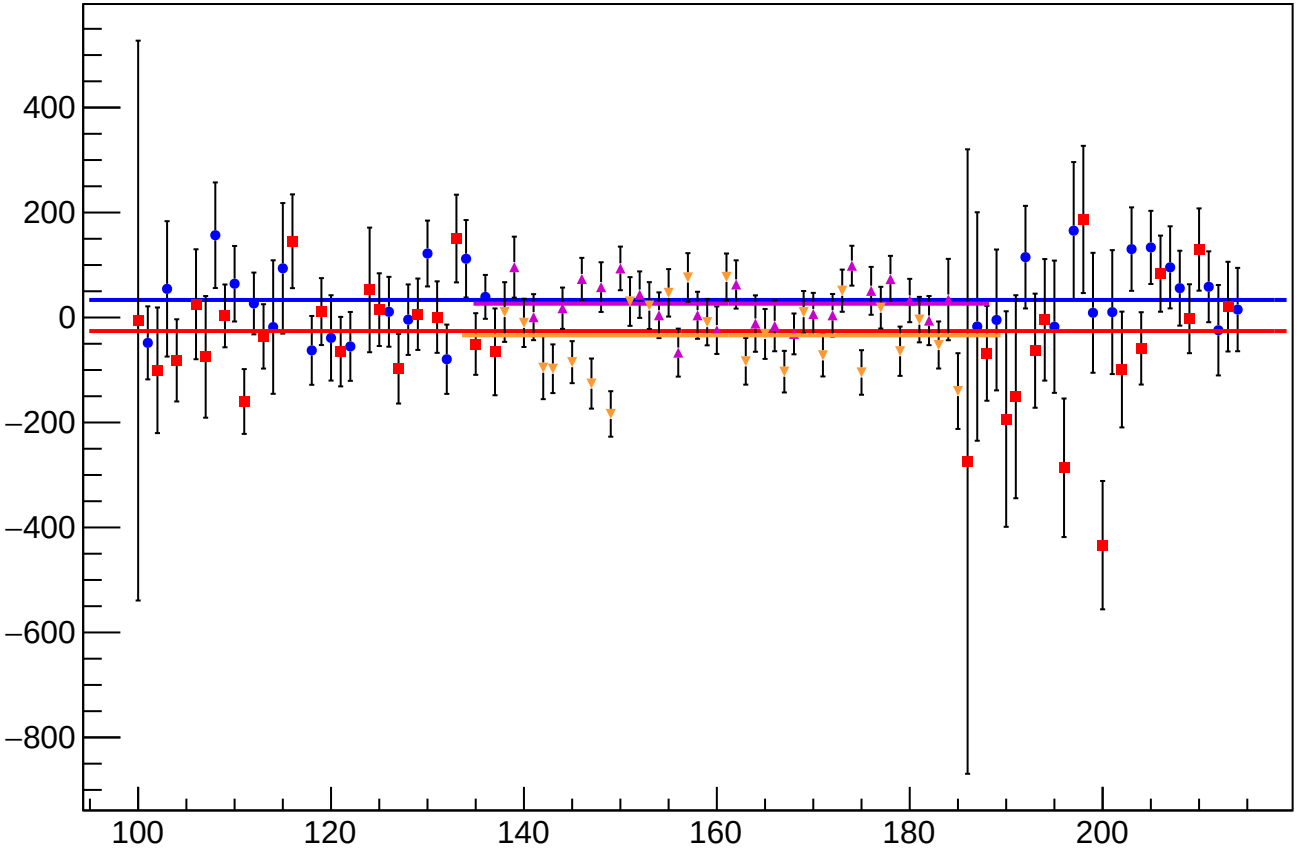
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16887288.0/54

All: 0.000+/-0.000 χ^2/NDF: 35727331.6/111

- sign 0.000+/-0.000 χ^2/NDF: 18833533.5/56

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 33.459+/-14.193 χ^2/NDF: 21.8/29

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.820+/-14.356 χ^2/NDF: 44.1/33

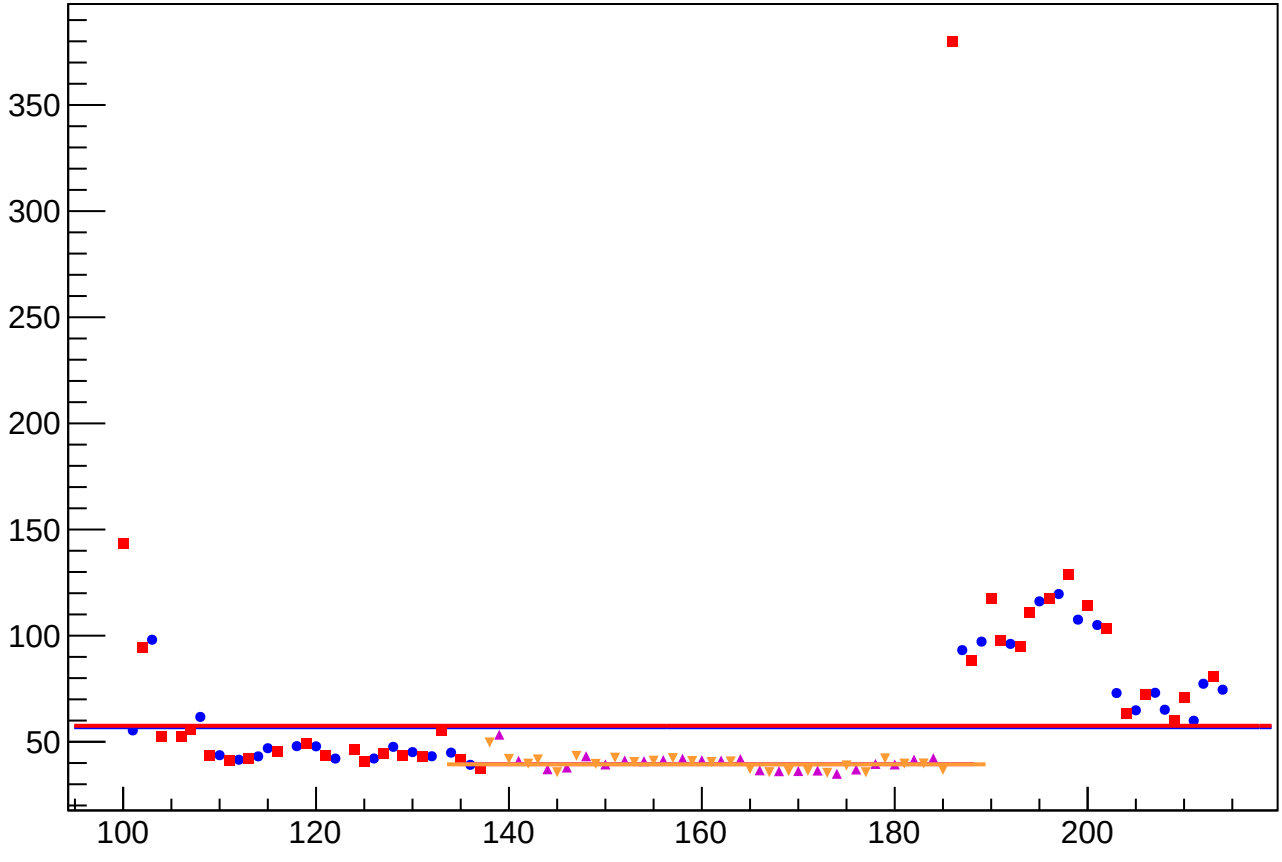
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.642+/-7.597 χ^2/NDF: 96.6/54

All: -2.172+/-5.438 χ^2/NDF: 178.0/111

- sign 10.936+/-7.788 χ^2/NDF: 75.9/56

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.877+/-0.010 χ^2/NDF: 3940348.4/29

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

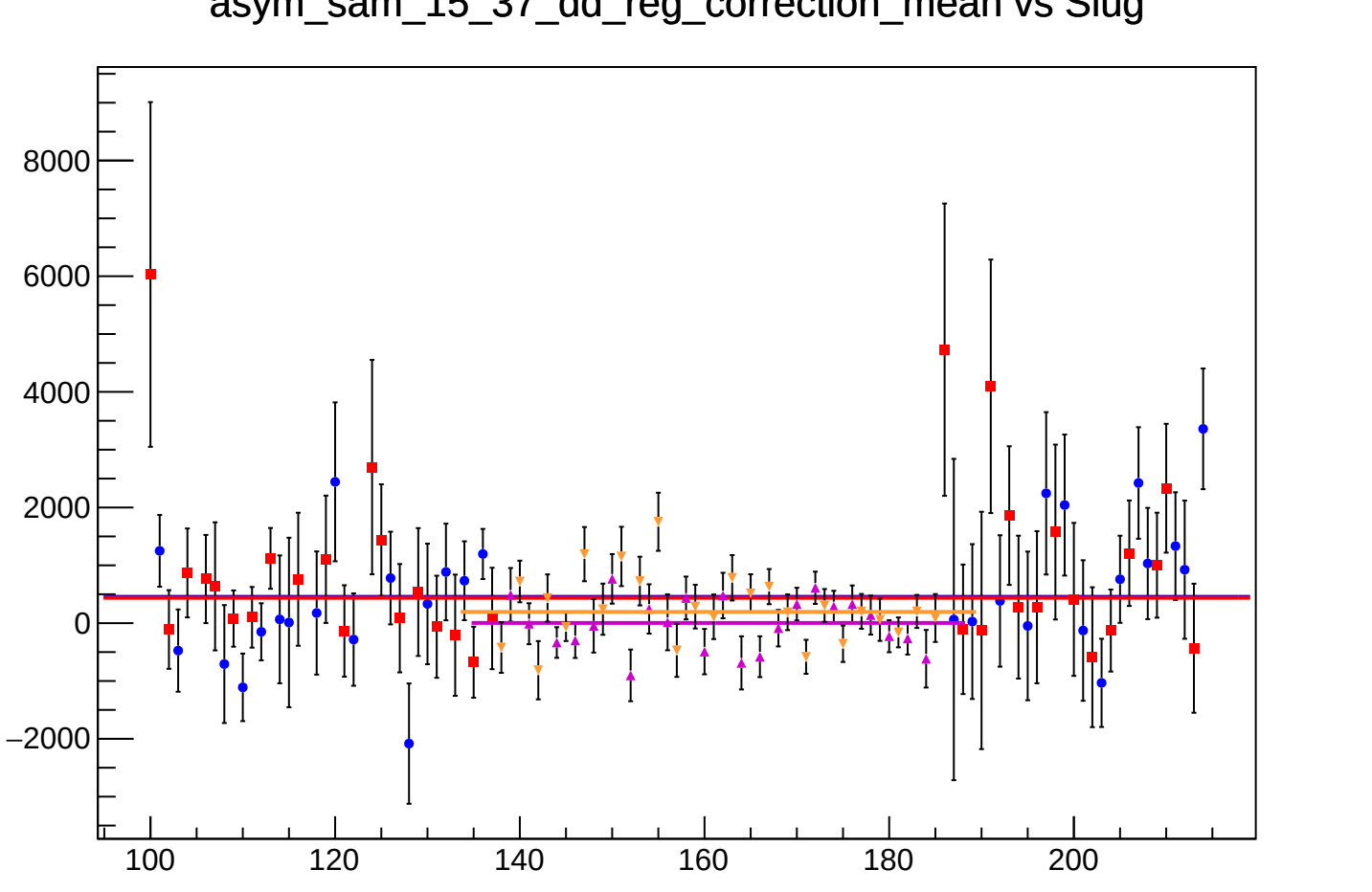
Right Out: 57.540+/-0.010 χ^2/NDF: 5195577.0/33

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.394+/-0.005 χ^2/NDF: 6337255.1/54

All: 44.594+/-0.004 χ^2/NDF: 14018329.7/11

- sign 44.803+/-0.006 χ^2/NDF: 7678252.5/56



Right In: 455.780+/-155.256 χ^2/NDF: 47.2/29

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 438.426+/-154.922 χ^2/NDF: 29.1/33

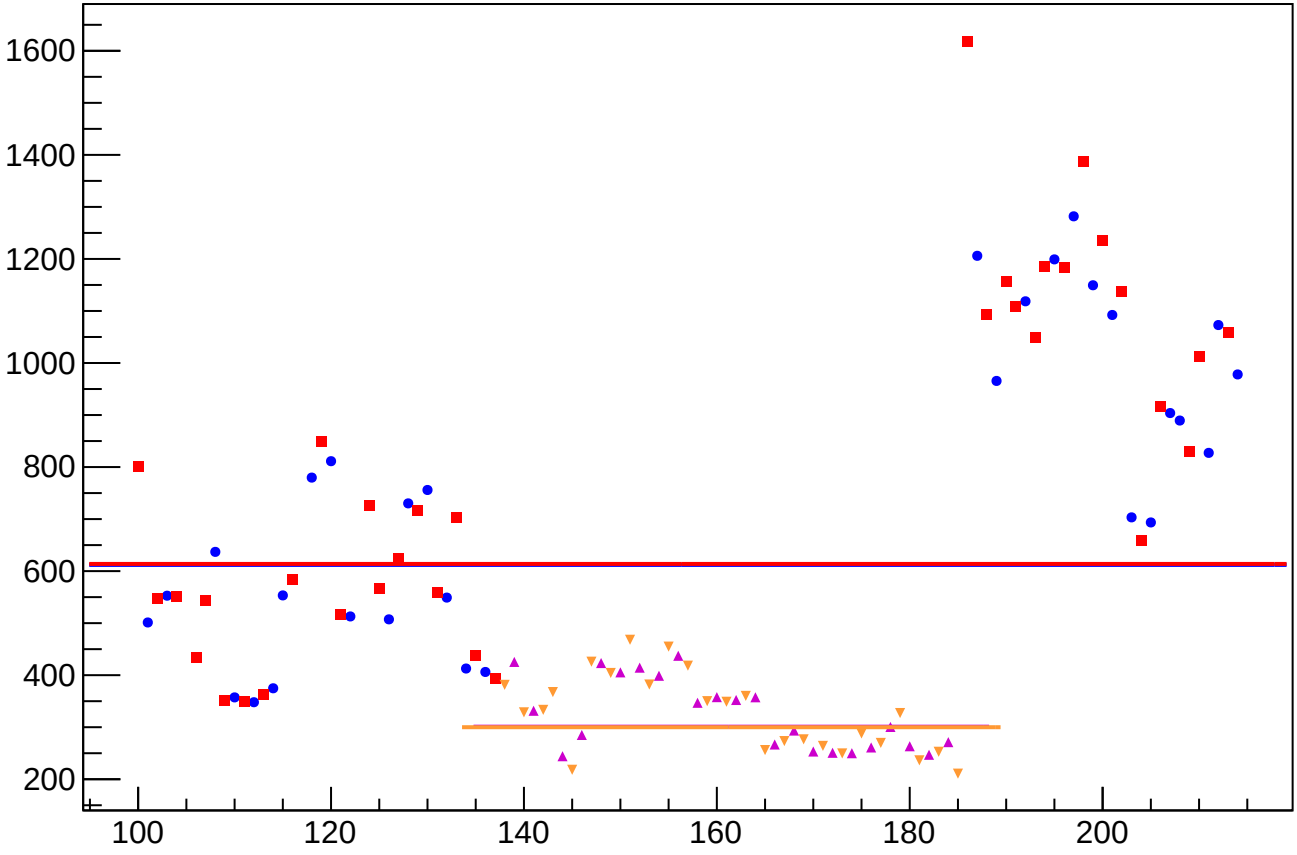
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 239.177+/-63.884 χ^2/NDF: 98.1/54

All: 161.867+/-45.658 χ^2/NDF: 169.1/111

- sign 81.144+/-65.279 χ^2/NDF: 67.9/56

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 611.948+/-0.110 χ^2/NDF: 5235278.5/29

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 613.806+/-0.110 χ^2/NDF: 6415230.1/33

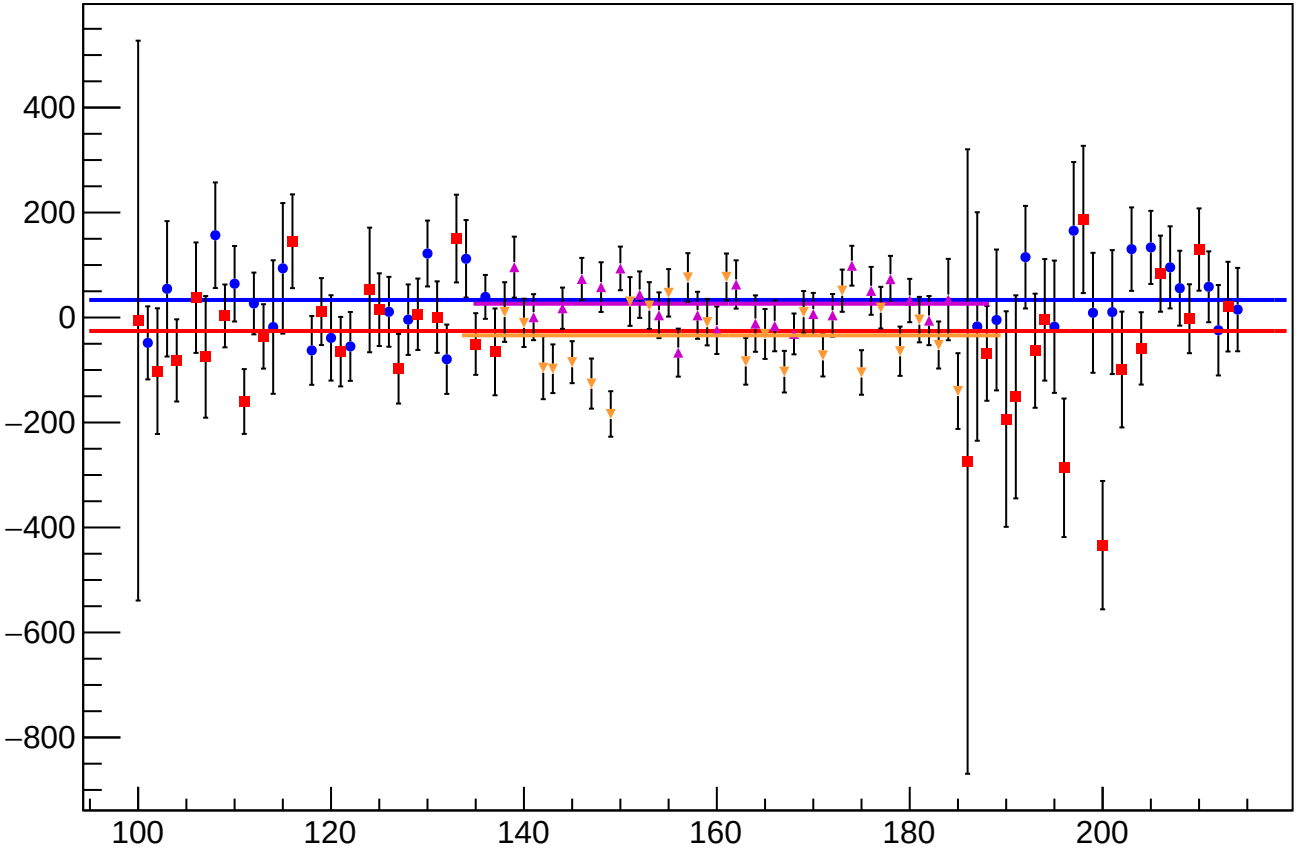
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 352.797+/-0.045 χ^2/NDF: 13751887.6/54

All: 354.627+/-0.032 χ^2/NDF: 28283685.5/11

- sign 356.538+/-0.046 χ^2/NDF: 14528442.9/56

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 33.463+/-14.193 χ^2/NDF: 21.8/29

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.617+/-14.358 χ^2/NDF: 44.2/33

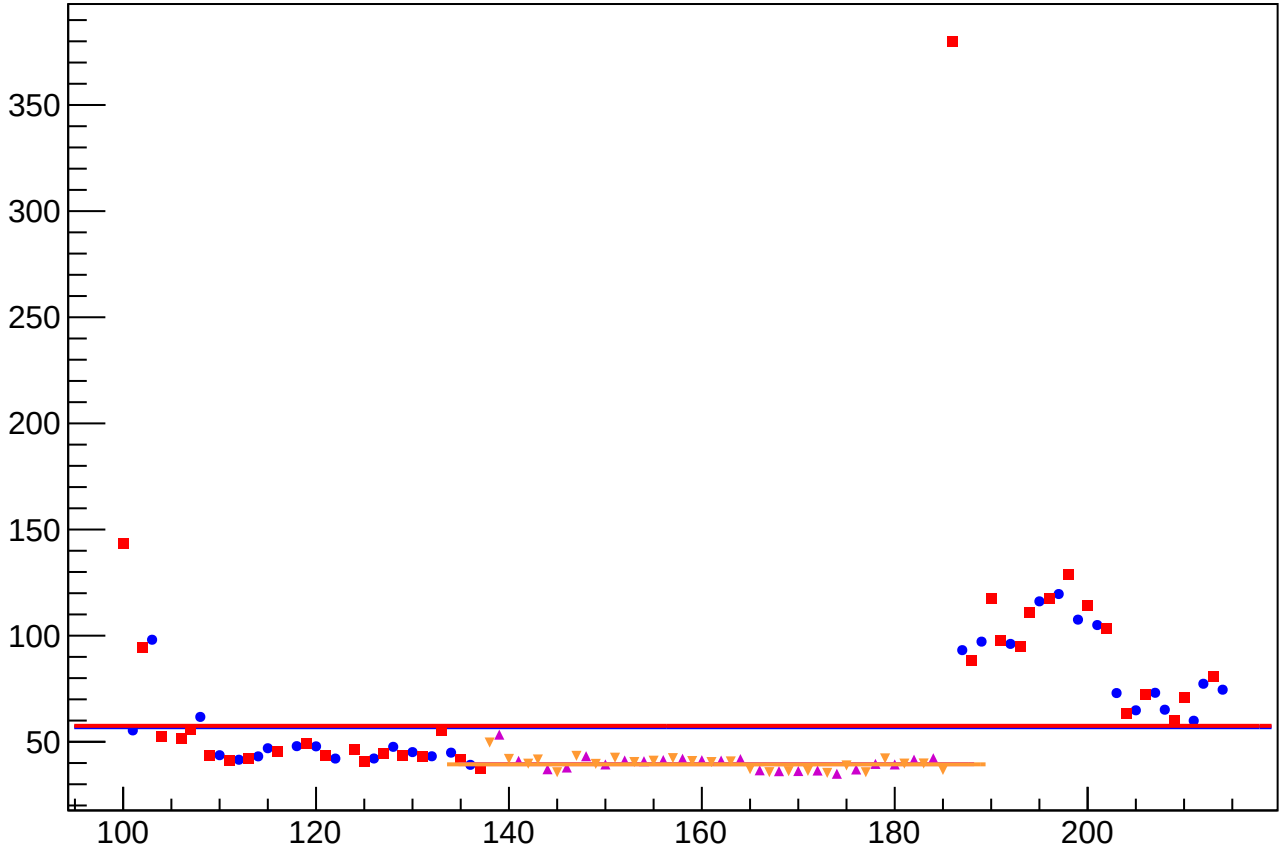
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.640+/-7.597 χ^2/NDF: 96.6/54

All: -2.141+/-5.438 χ^2/NDF: 178.1/111

- sign 10.998+/-7.789 χ^2/NDF: 75.9/56

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 56.877+/-0.010 χ^2/NDF: 3940351.4/29

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

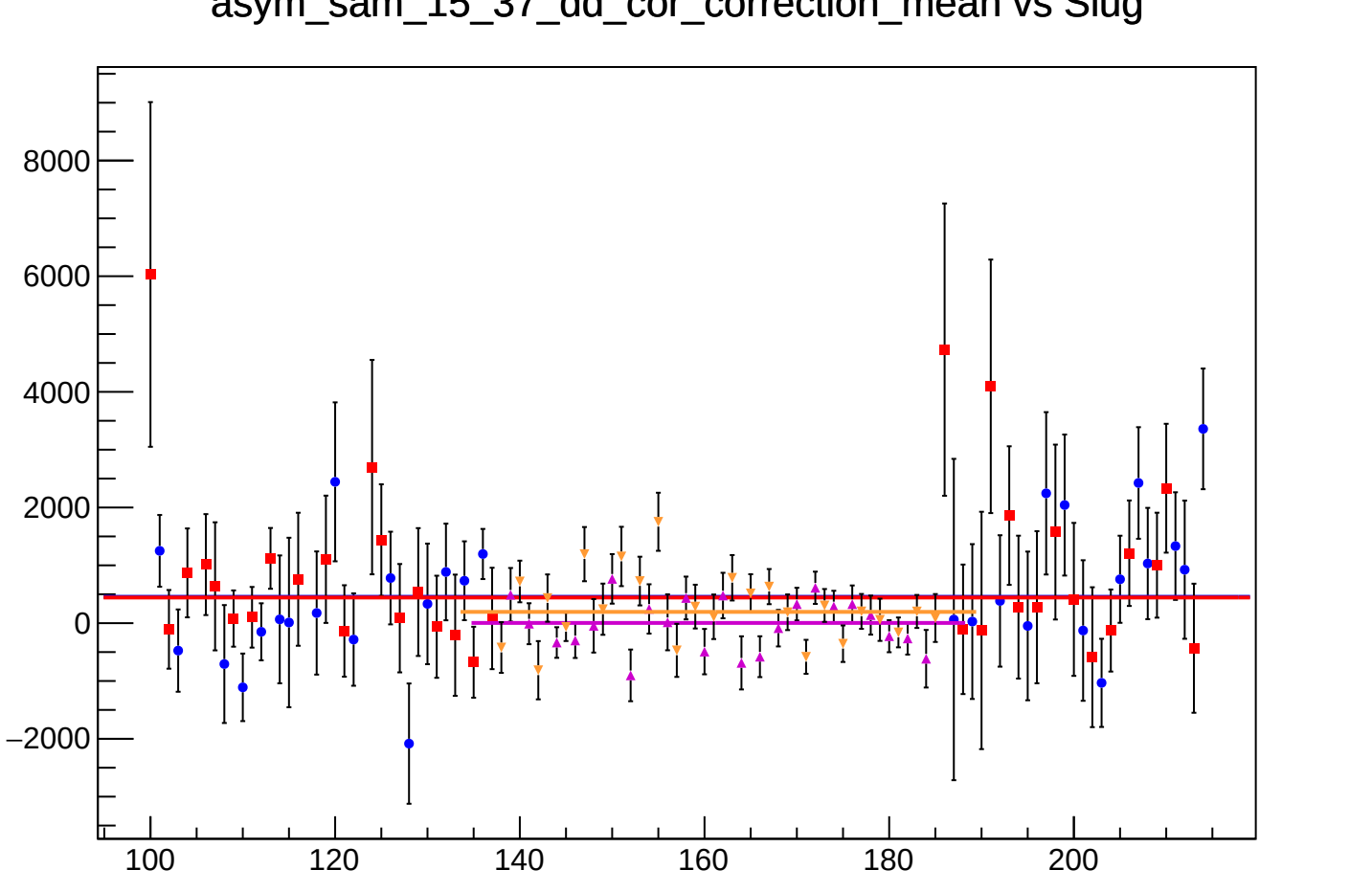
Right Out: 57.526+/-0.010 χ^2/NDF: 5197368.0/33

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.394+/-0.005 χ^2/NDF: 6337258.1/54

All: 44.591+/-0.004 χ^2/NDF: 14016248.5/11

- sign 44.798+/-0.006 χ^2/NDF: 7676235.3/56



Right In: 455.784+/-155.256 χ^2/NDF: 47.2/29

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 443.365+/-155.690 χ^2/NDF: 29.4/33

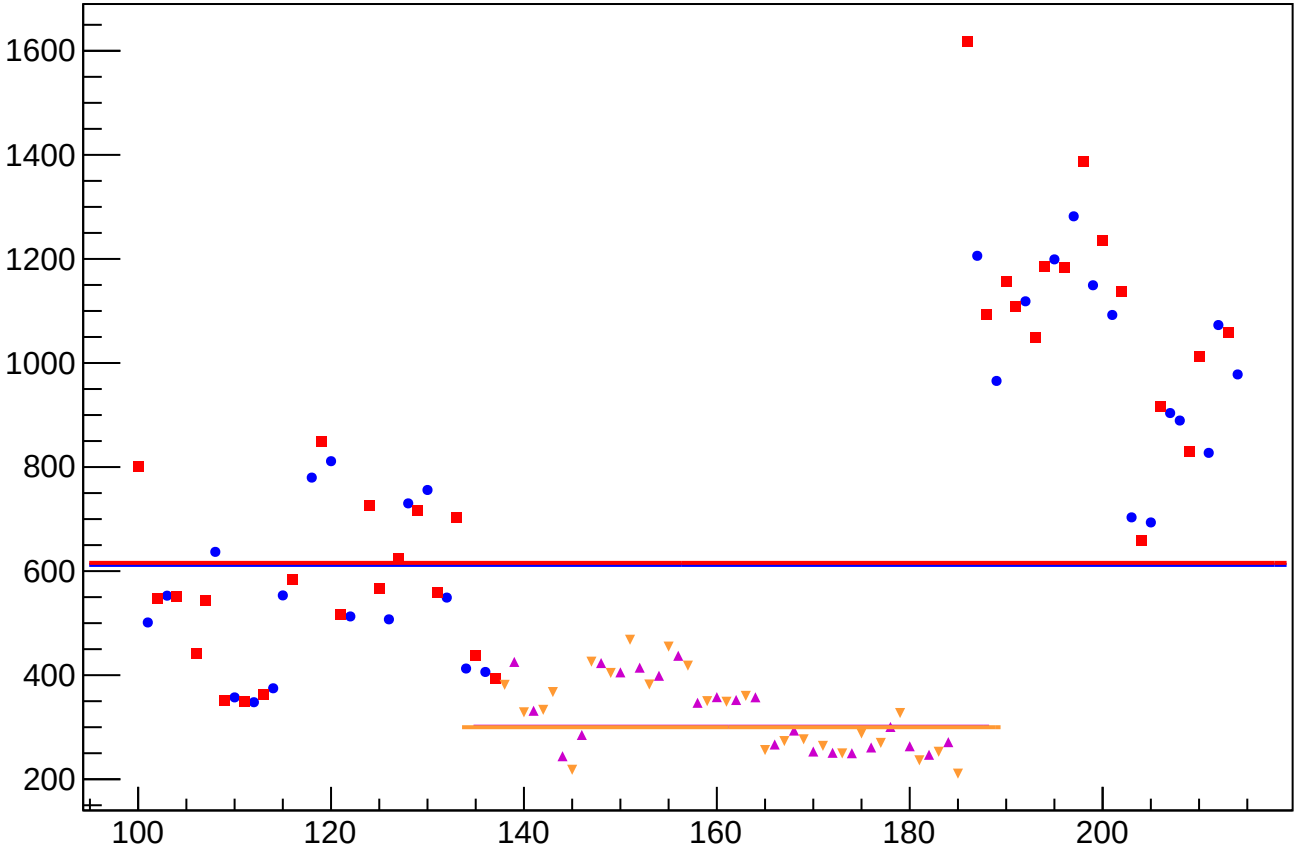
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 239.177+/-63.884 χ^2/NDF: 98.1/54

All: 162.056+/-45.678 χ^2/NDF: 169.4/111

- sign 81.389+/-65.336 χ^2/NDF: 68.3/56

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 611.950+/-0.110 χ^2/NDF: 5235260.8/29

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 615.835+/-0.110 χ^2/NDF: 6381642.0/33

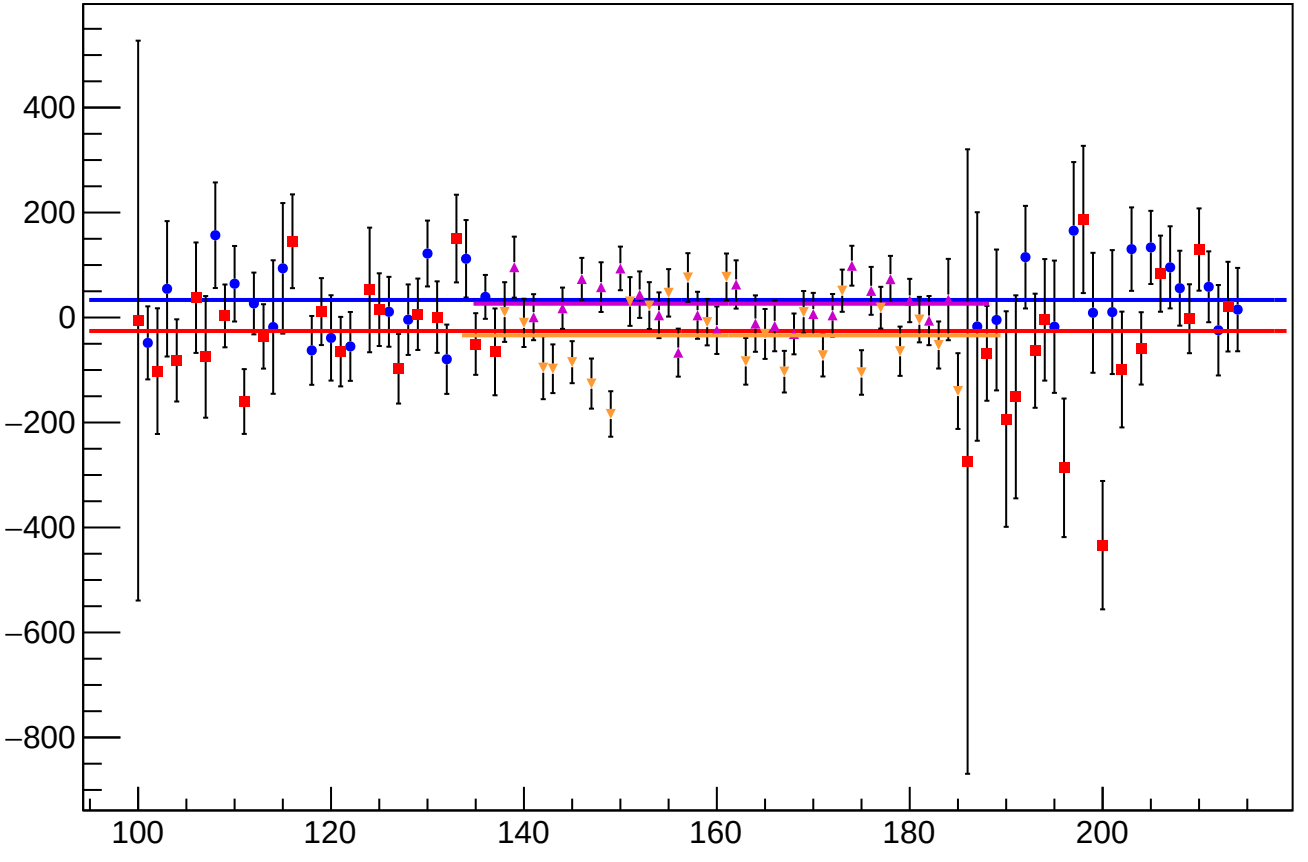
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 352.797+/-0.045 χ^2/NDF: 13751926.9/54

All: 354.580+/-0.032 χ^2/NDF: 28282208.6/11

- sign 356.445+/-0.046 χ^2/NDF: 14527094.2/56

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 33.463+/-14.193 χ^2/NDF: 21.8/29

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -25.617+/-14.358 χ^2/NDF: 44.2/33

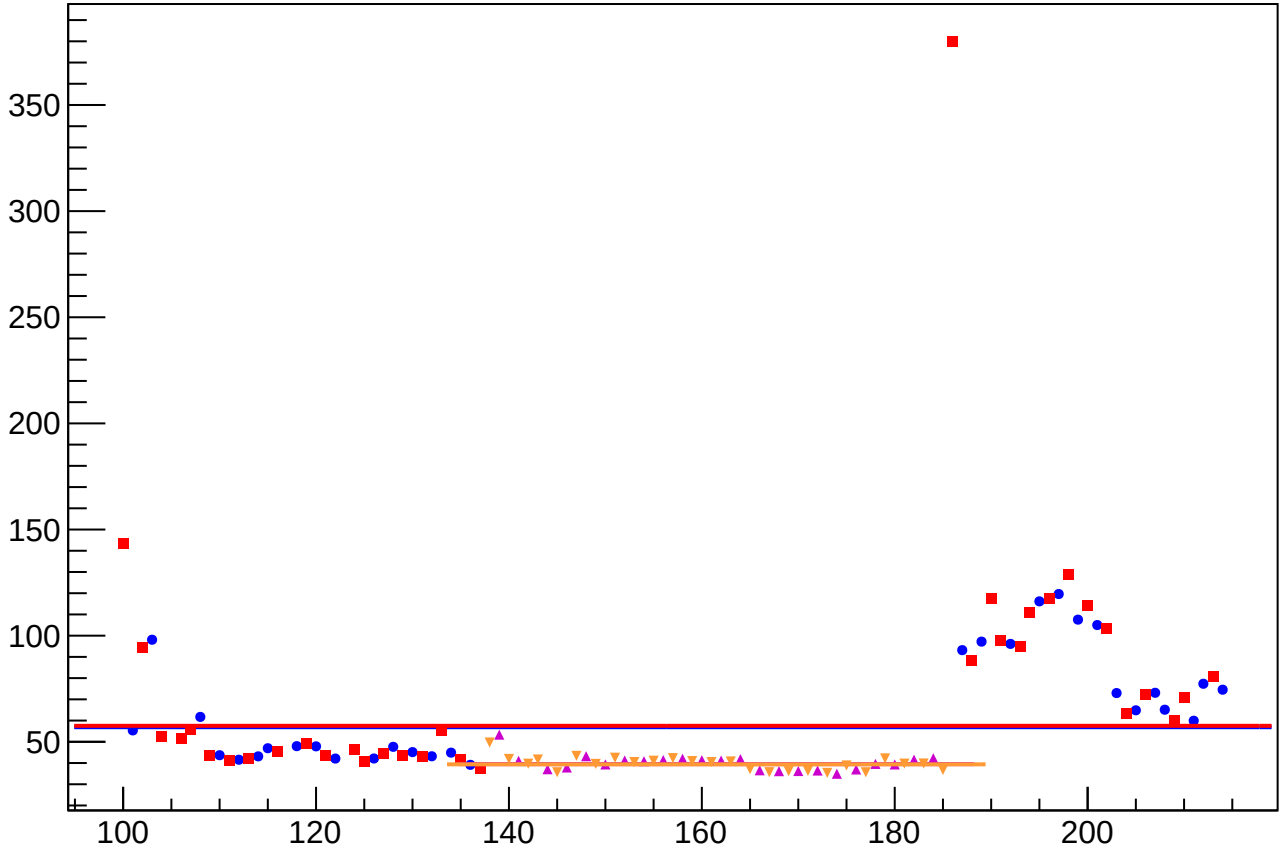
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -14.640+/-7.597 χ^2/NDF: 96.6/54

All: -2.141+/-5.438 χ^2/NDF: 178.1/111

- sign 10.998+/-7.789 χ^2/NDF: 75.9/56

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 56.877+/-0.010 χ^2/NDF: 3940351.4/29

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

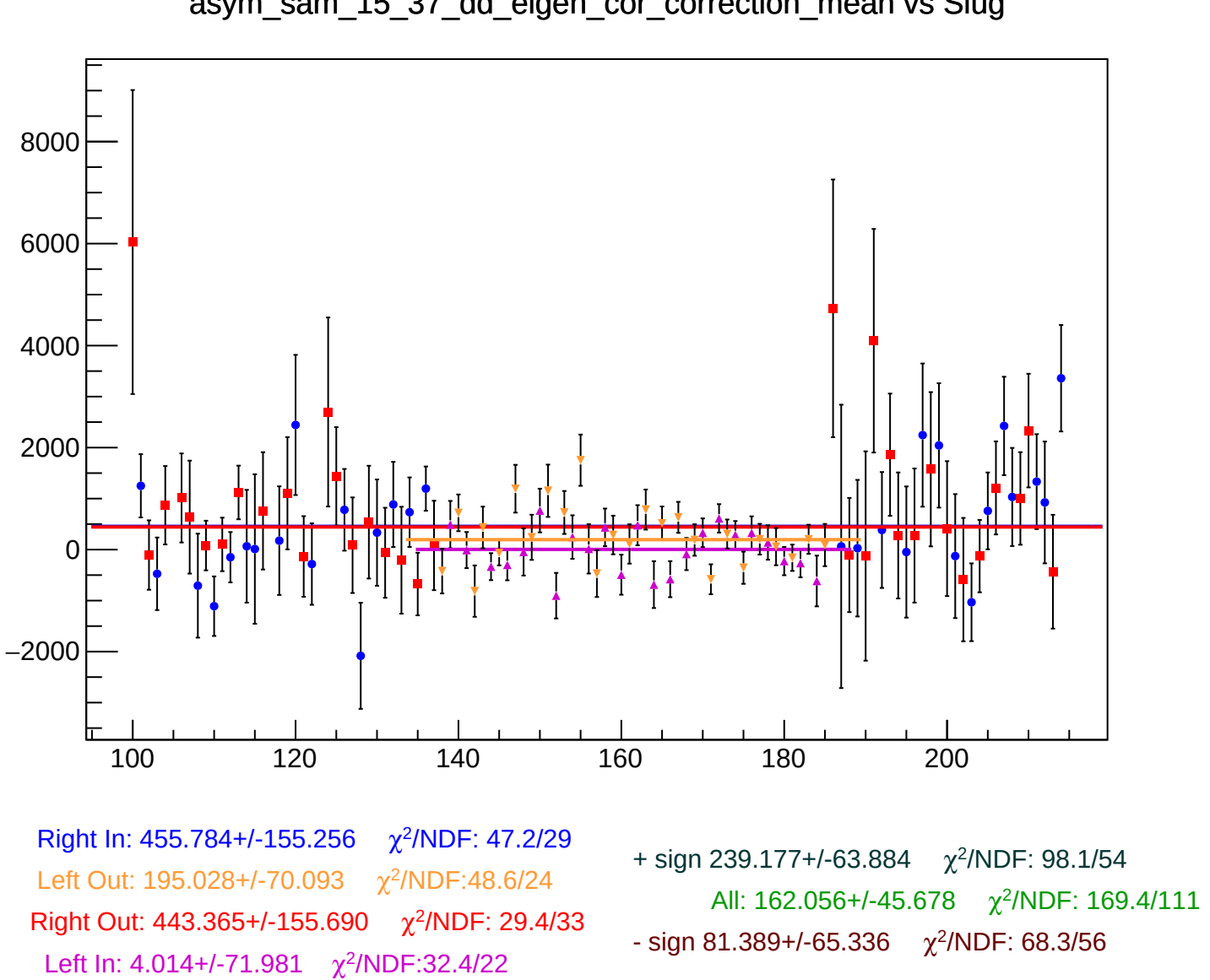
Right Out: 57.526+/-0.010 χ^2/NDF: 5197368.0/33

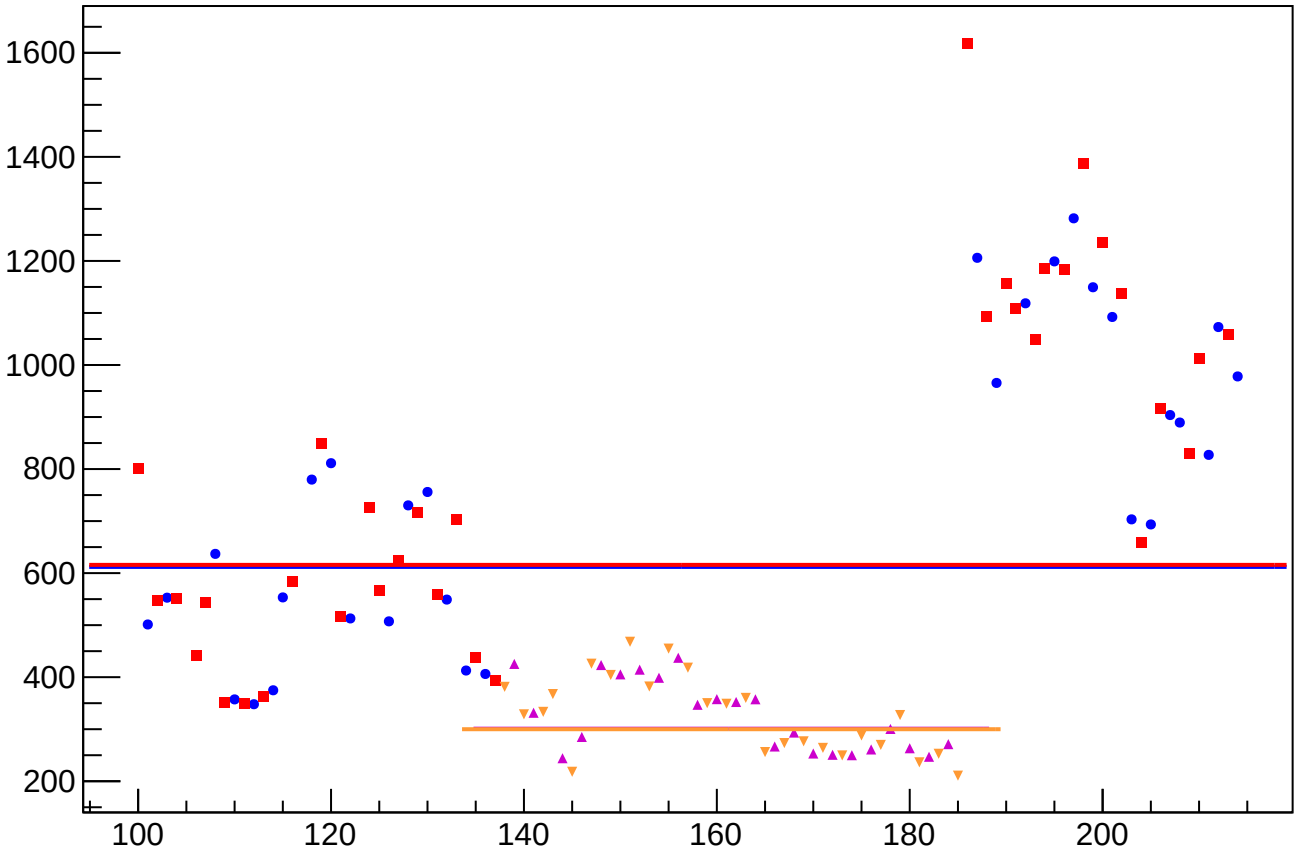
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 44.394+/-0.005 χ^2/NDF: 6337258.1/54

All: 44.591+/-0.004 χ^2/NDF: 14016248.5/11

- sign 44.798+/-0.006 χ^2/NDF: 7676235.3/56


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 455.784+/-155.256 χ²/NDF: 47.2/29
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 443.365+/-155.690 χ²/NDF: 29.4/33
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 239.177+/-63.884 χ²/NDF: 98.1/54
All: 162.056+/-45.678 χ²/NDF: 169.4/111
- sign 81.389+/-65.336 χ²/NDF: 68.3/56



Right In: 611.950+/-0.110 χ^2/NDF: 5235260.8/29

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 615.835+/-0.110 χ^2/NDF: 6381642.0/33

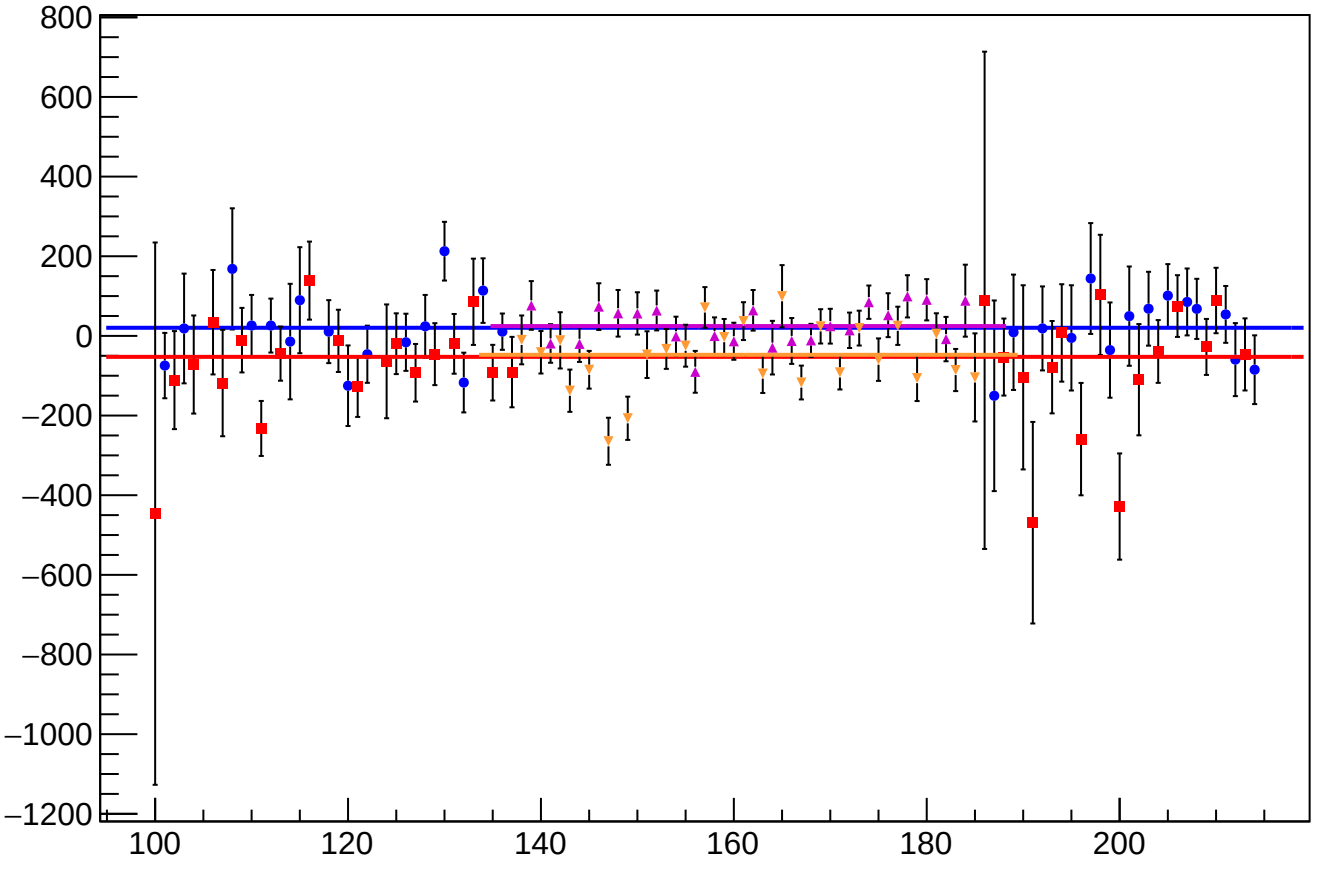
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 352.797+/-0.045 χ^2/NDF: 13751926.9/54

All: 354.580+/-0.032 χ^2/NDF: 28282208.6/11

- sign 356.445+/-0.046 χ^2/NDF: 14527094.2/56

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.406+/-15.853 χ^2/NDF: 23.7/29

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.635+/-16.375 χ^2/NDF: 36.5/33

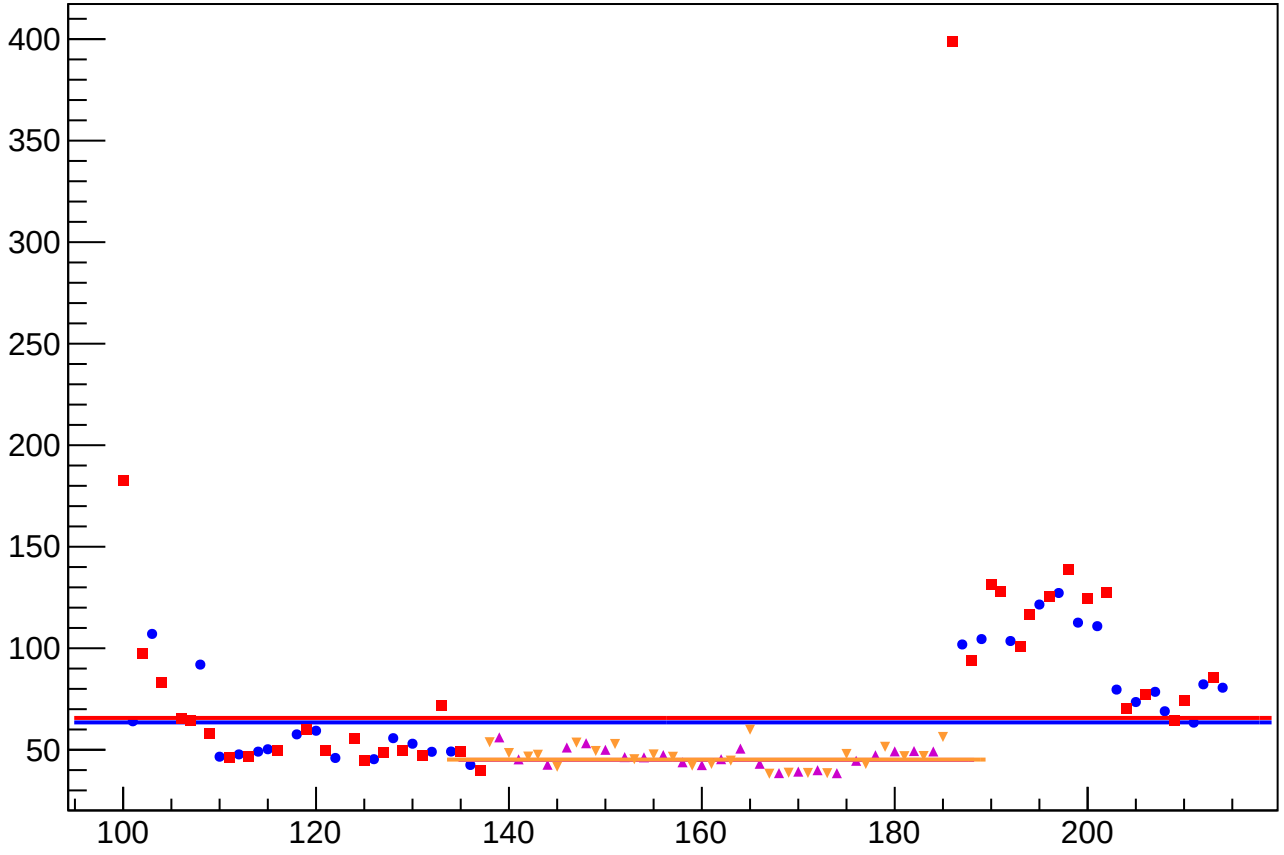
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -27.076+/-8.691 χ^2/NDF: 91.3/54

All: -13.097+/-6.230 χ^2/NDF: 168.4/111

- sign 1.673+/-8.934 χ^2/NDF: 71.8/56

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 63.488+/-0.011 χ^2/NDF: 3659060.0/29

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 65.689+/-0.012 χ^2/NDF: 4827882.8/33

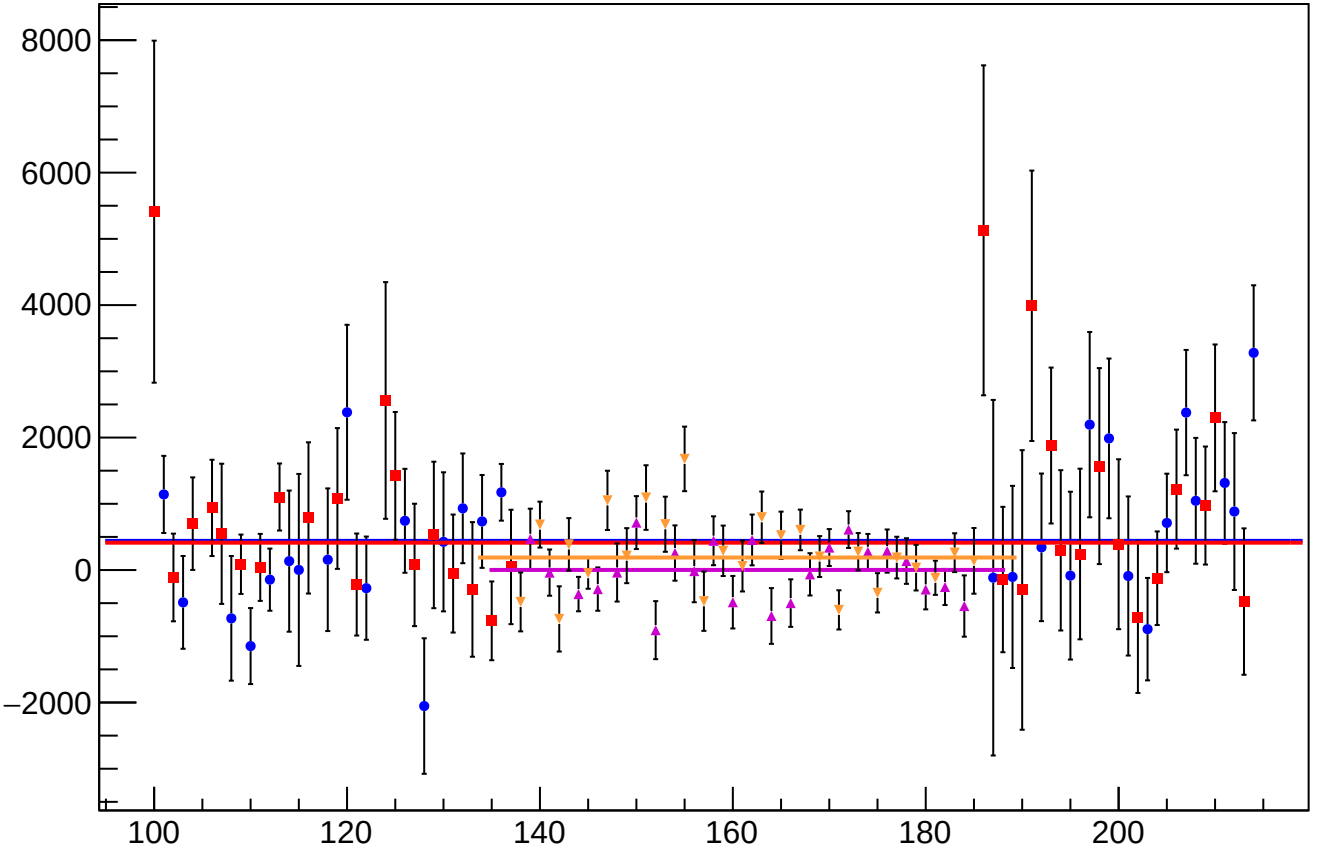
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 50.679+/-0.006 χ^2/NDF: 6015586.1/54

All: 50.918+/-0.004 χ^2/NDF: 13457693.0/11

- sign 51.170+/-0.006 χ^2/NDF: 7439006.0/56

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 440.227+/-152.281 χ^2/NDF: 47.1/29

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 413.073+/-149.750 χ^2/NDF: 32.2/33

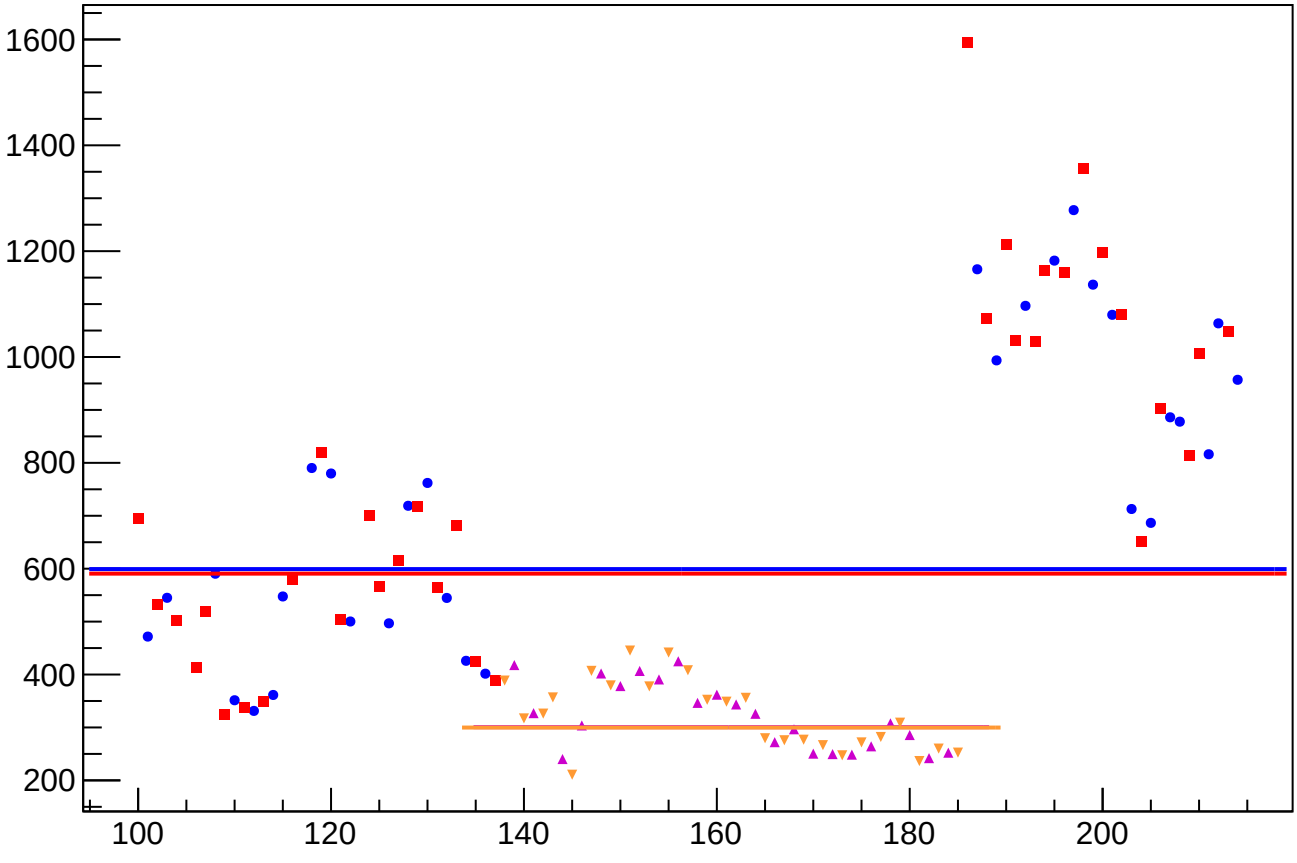
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 232.374+/-63.387 χ^2/NDF: 96.1/54

All: 156.941+/-45.271 χ^2/NDF: 169.6/111

- sign 78.403+/-64.679 χ^2/NDF: 70.6/56

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 599.251+/-0.108 χ^2/NDF: 5390083.4/29

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 590.666+/-0.106 χ^2/NDF: 6724321.9/33

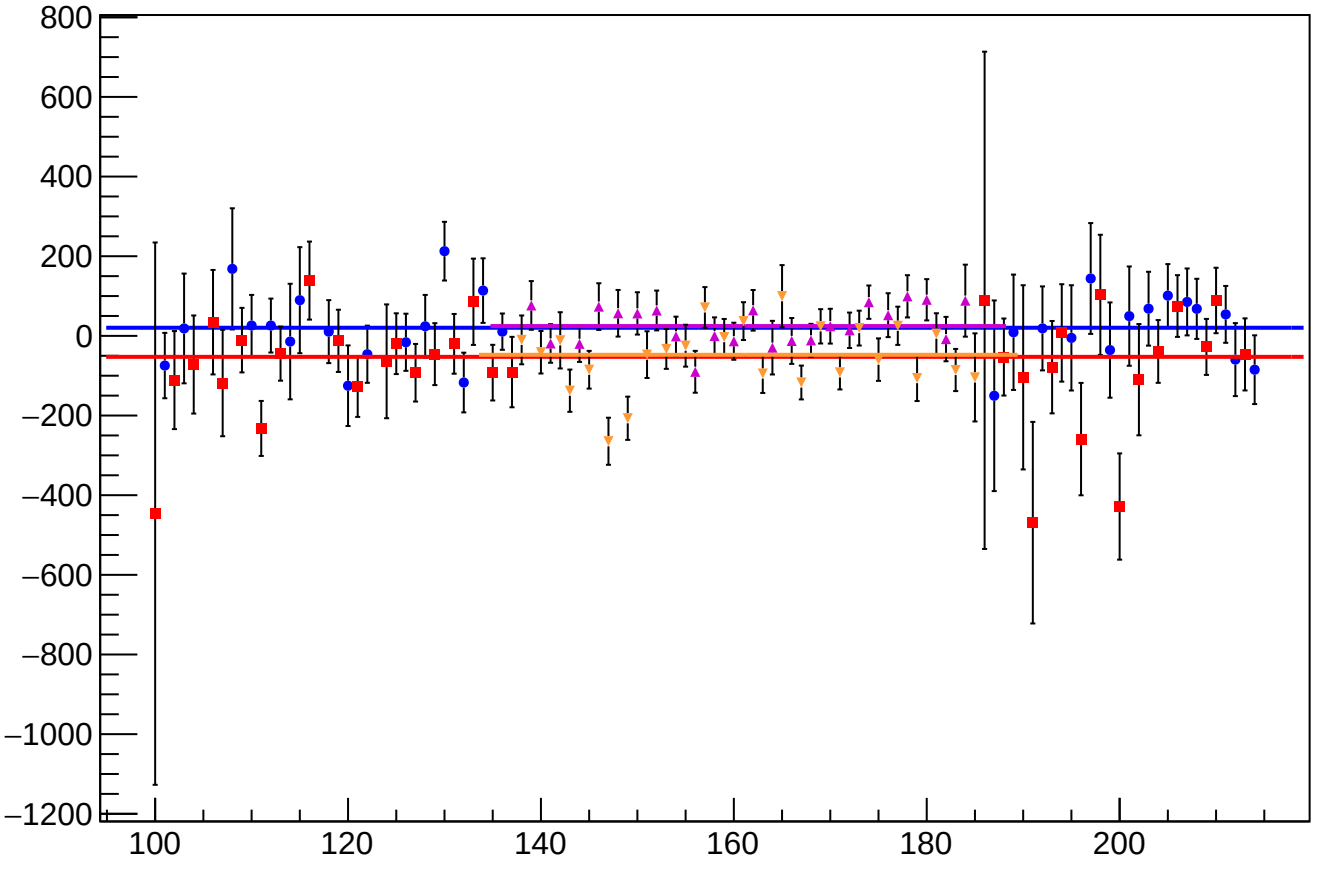
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 351.683+/-0.045 χ^2/NDF: 13361351.5/54

All: 353.144+/-0.032 χ^2/NDF: 27453568.4/11

- sign 354.665+/-0.046 χ^2/NDF: 14090048.1/56

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.406+/-15.853 χ^2/NDF: 23.7/29

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -52.636+/-16.375 χ^2/NDF: 36.5/33

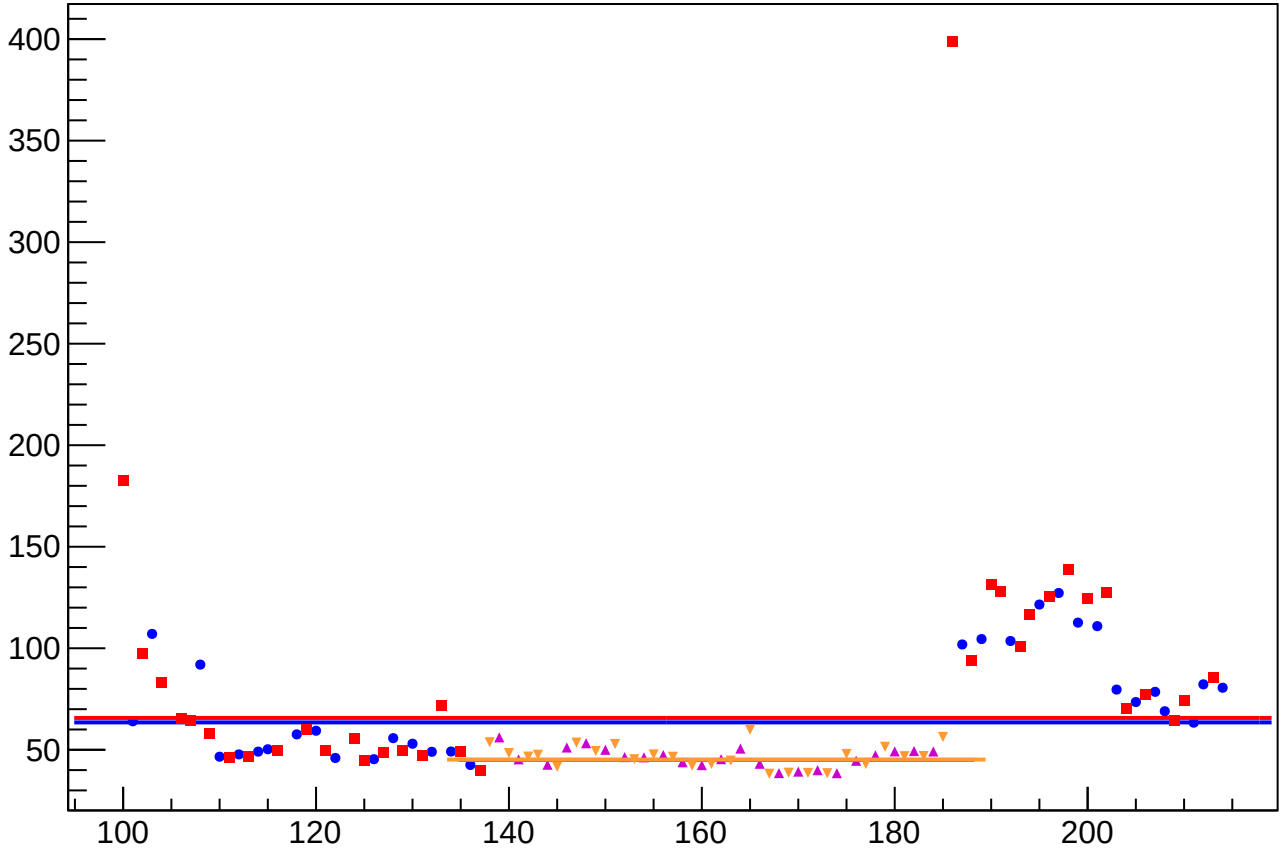
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -27.076+/-8.691 χ^2/NDF: 91.3/54

All: -13.097+/-6.230 χ^2/NDF: 168.4/111

- sign 1.673+/-8.934 χ^2/NDF: 71.8/56

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 63.488+/-0.011 χ^2/NDF: 3659064.8/29

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

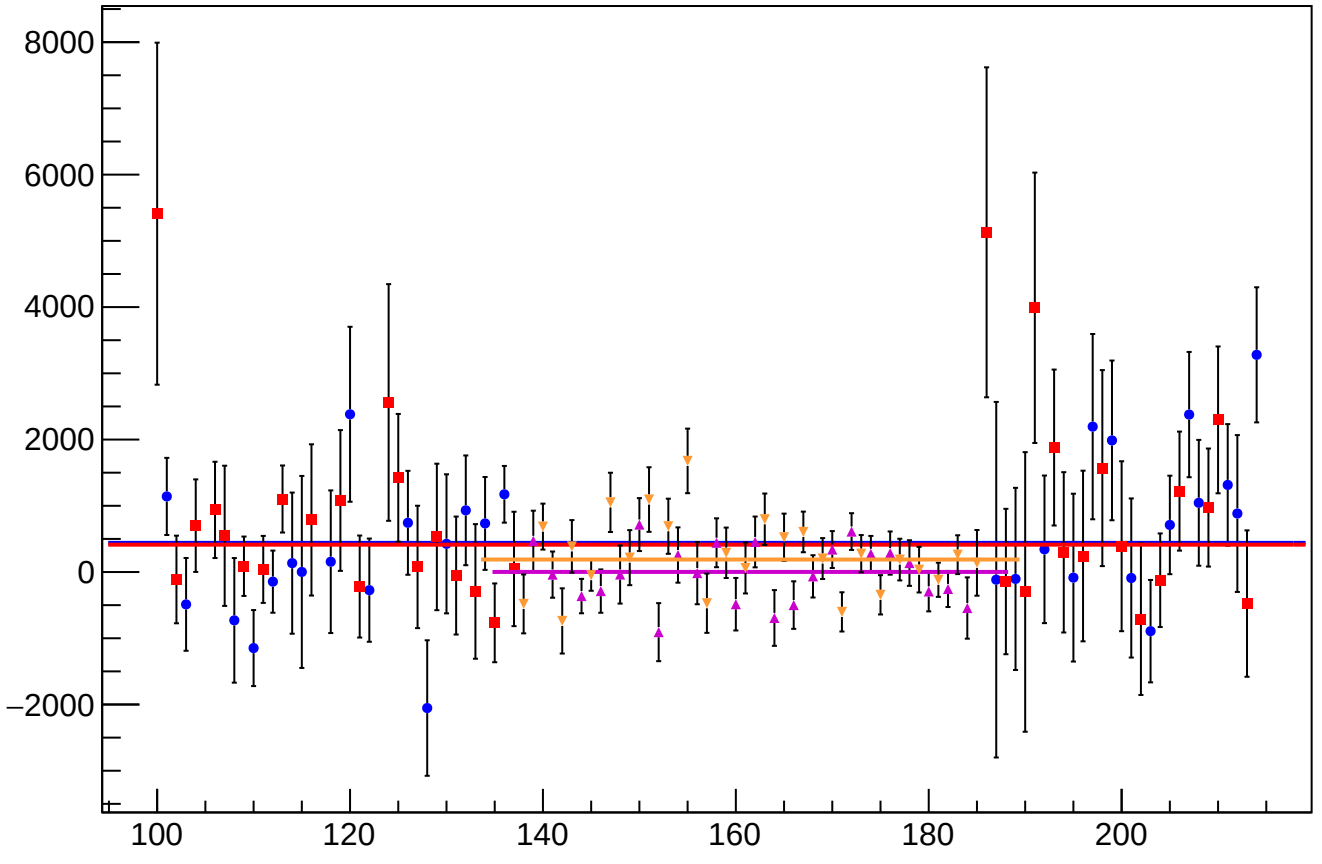
Right Out: 65.689+/-0.012 χ^2/NDF: 4827886.6/33

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 50.679+/-0.006 χ^2/NDF: 6015590.6/54

All: 50.918+/-0.004 χ^2/NDF: 13457700.8/11

- sign 51.170+/-0.006 χ^2/NDF: 7439008.9/56



Right In: 440.225+/-152.281 χ^2/NDF: 47.1/29

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

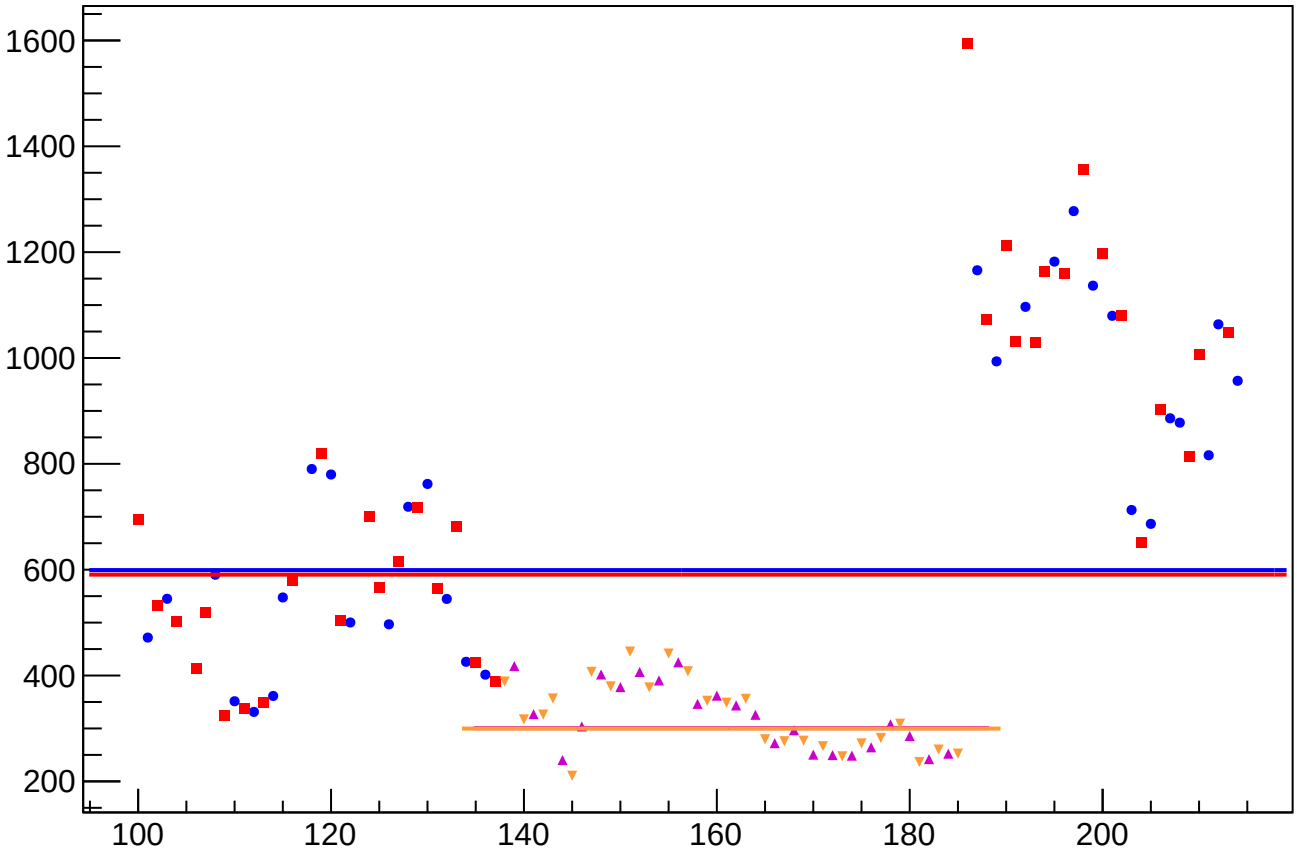
Right Out: 413.073+/-149.750 χ^2/NDF: 32.2/33

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 232.374+/-63.387 χ^2/NDF: 96.1/54

All: 156.941+/-45.271 χ^2/NDF: 169.6/111

- sign 78.403+/-64.679 χ^2/NDF: 70.6/56



Right In: 599.250+/-0.108 χ^2/NDF: 5390102.8/29

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 590.665+/-0.106 χ^2/NDF: 6724335.1/33

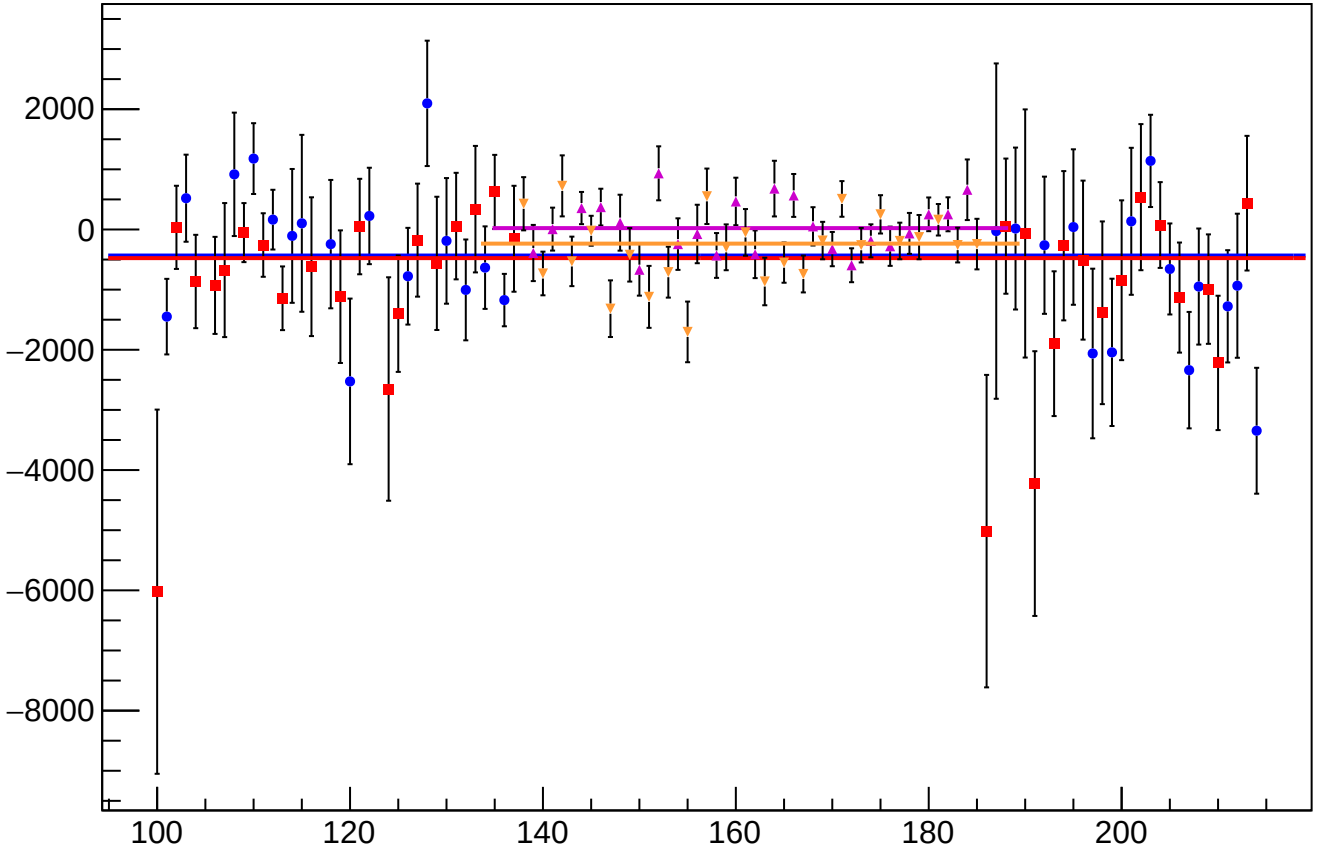
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 351.683+/-0.045 χ^2/NDF: 13361337.9/54

All: 353.144+/-0.032 χ^2/NDF: 27453519.3/11

- sign 354.666+/-0.046 χ^2/NDF: 14090012.3/56

asym_sam_15_37_dd_mean vs Slug



Right In: -433.244+/-156.183 χ^2/NDF: 48.6/29

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -476.283+/-156.157 χ^2/NDF: 27.8/33

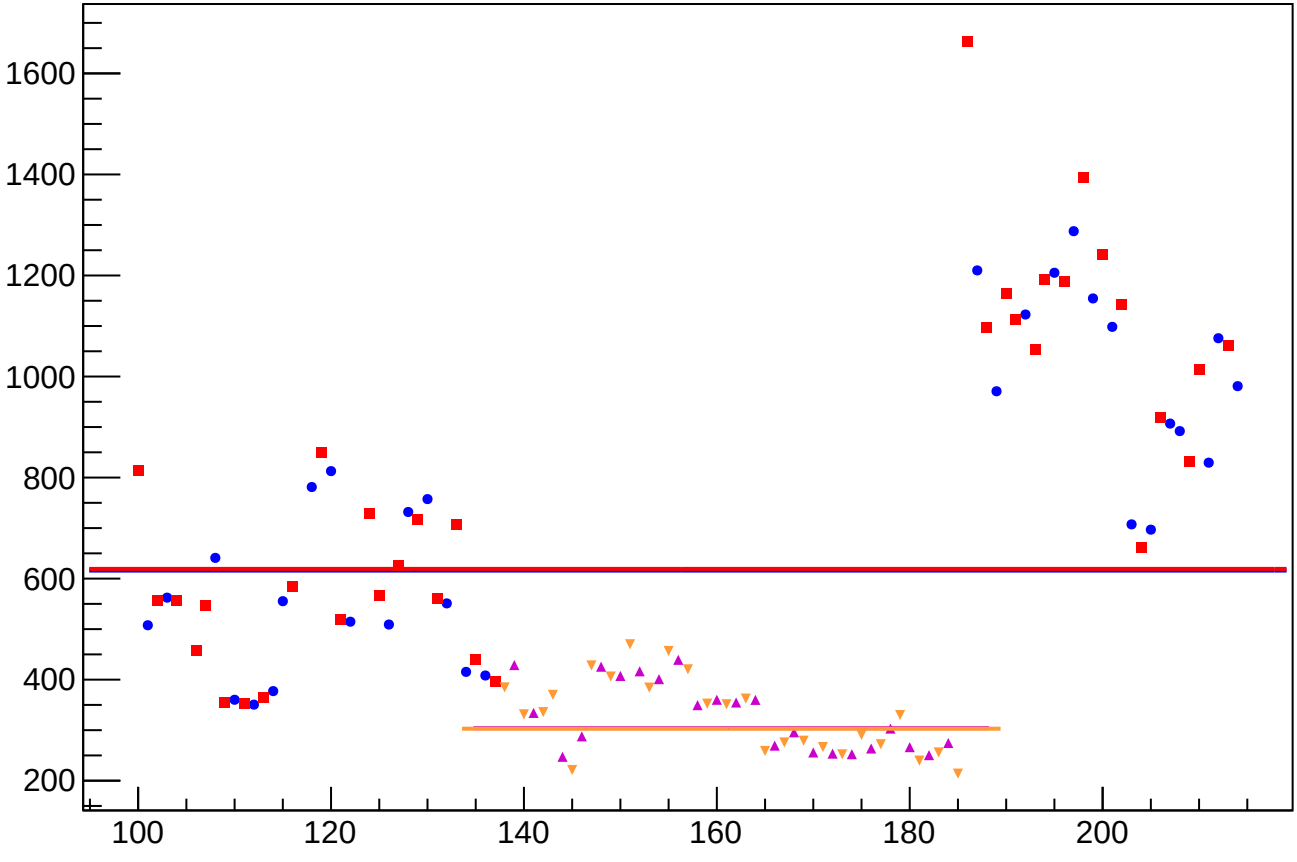
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -268.886+/-64.439 χ^2/NDF: 97.4/54

All: -169.711+/-46.061 χ^2/NDF: 168.3/111

- sign -66.101+/-65.864 χ^2/NDF: 66.0/56

asym_sam_15_37_dd_rms vs Slug



Right In: 615.934+/-0.110 χ^2/NDF: 5202226.9/29

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 619.253+/-0.110 χ^2/NDF: 6354922.0/33

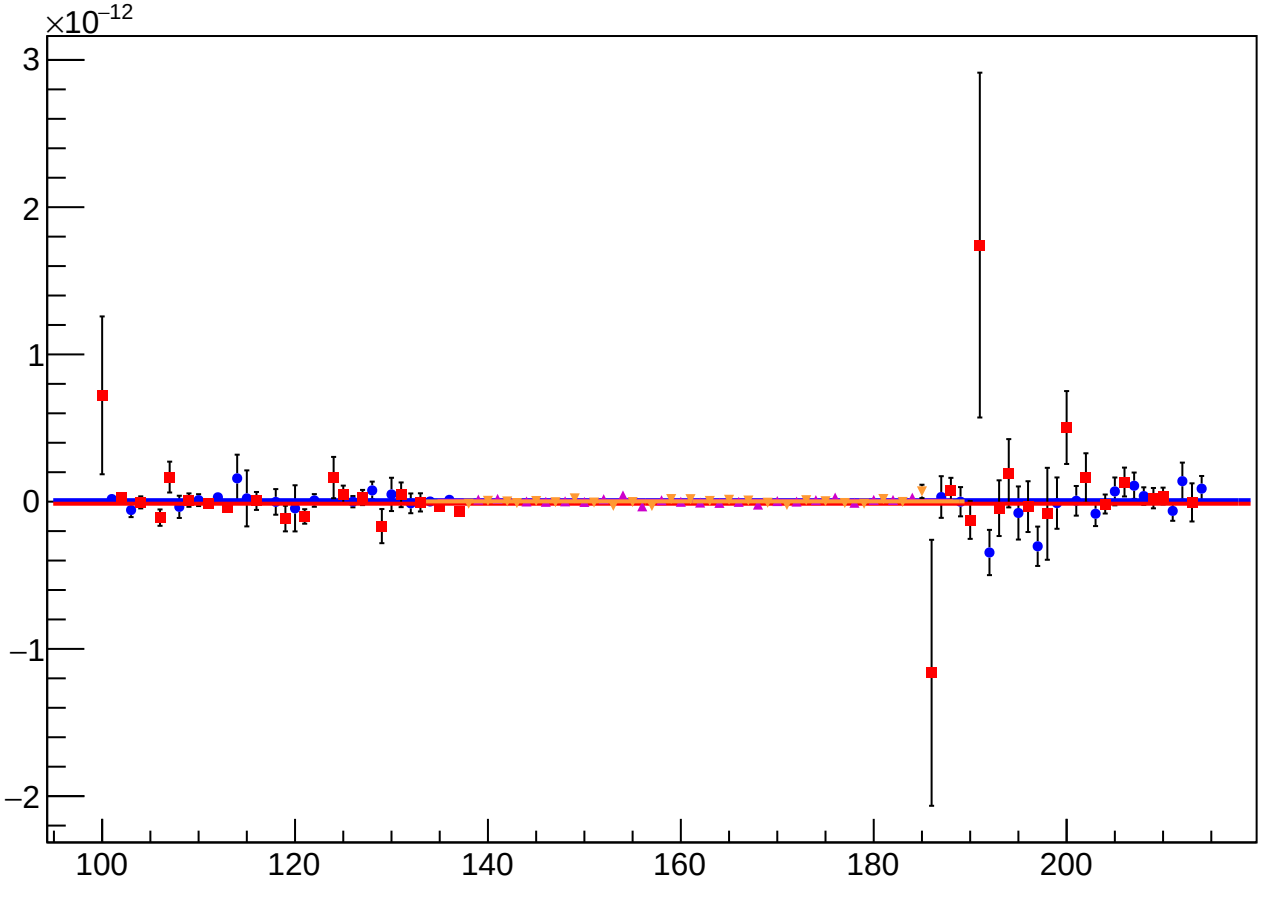
Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 356.224+/-0.046 χ^2/NDF: 13633001.7/54

All: 358.081+/-0.033 χ^2/NDF: 28072061.5/11

- sign 360.021+/-0.047 χ^2/NDF: 14435663.3/56

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/33

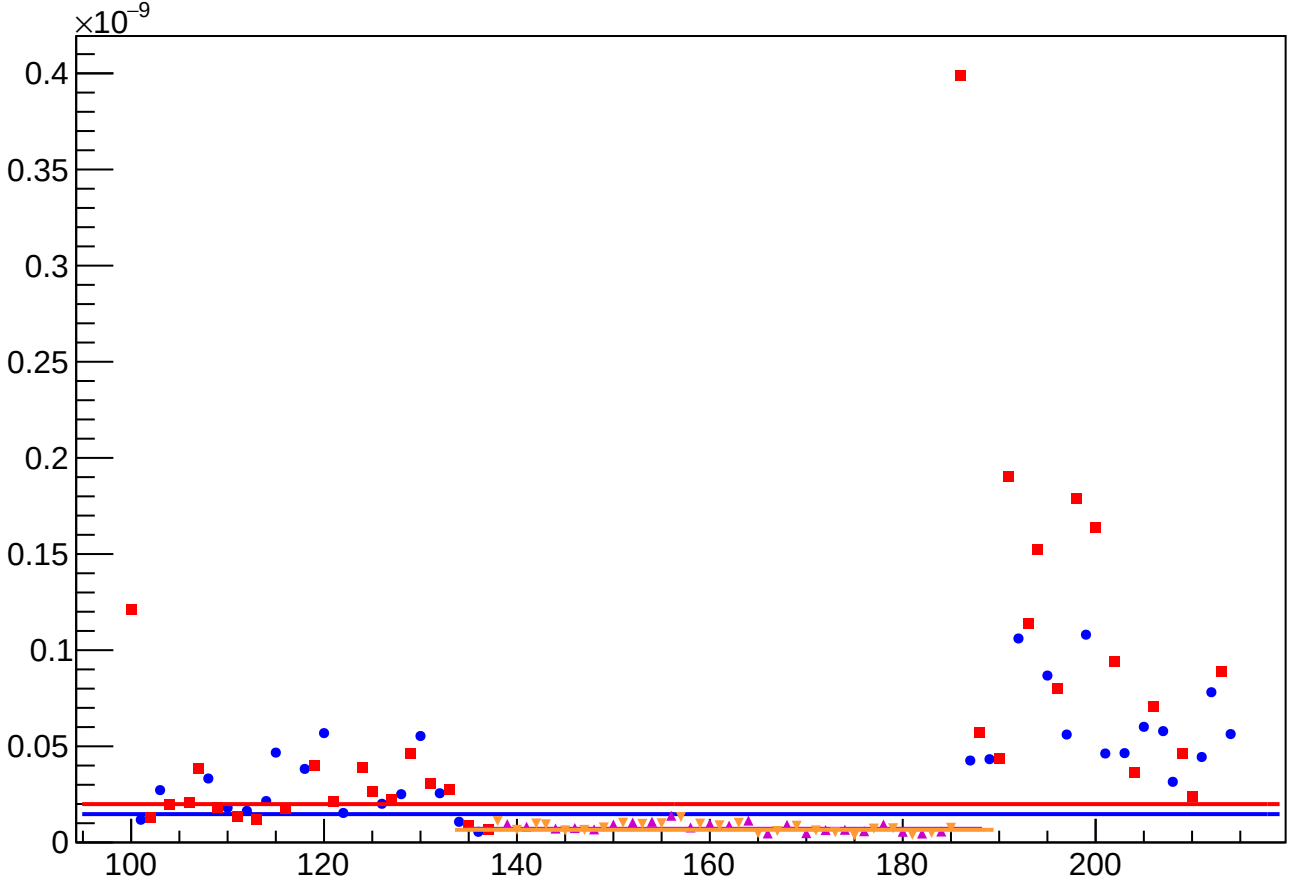
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 46.6/54

All: 0.000+/-0.000 χ^2/NDF: 108.7/111

\- sign 0.000+/-0.000 χ^2/NDF: 61.9/56

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7455310.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6903877.2/33

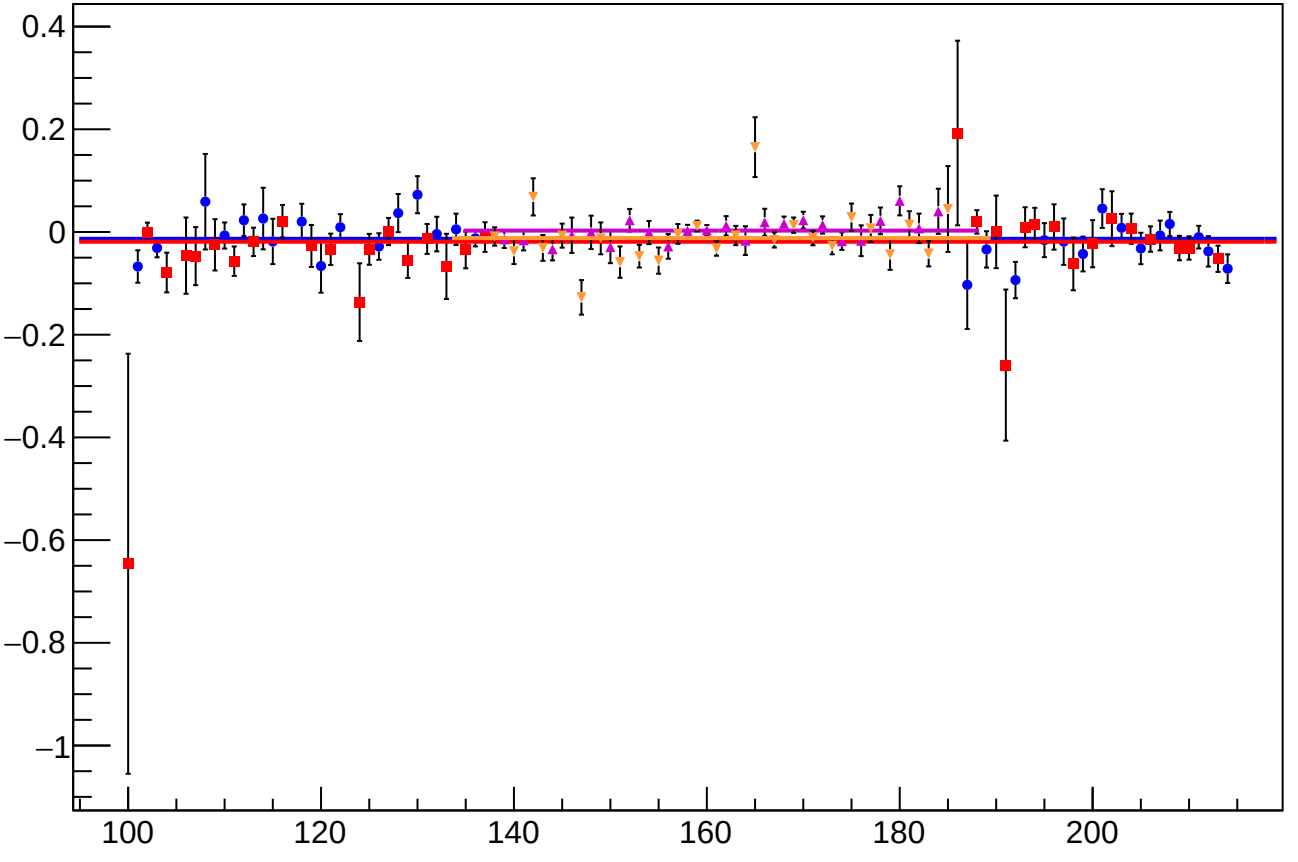
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10972318.2/54

All: 0.000+/-0.000 χ^2/NDF: 22196313.1/111

- sign 0.000+/-0.000 χ^2/NDF: 11155096.3/56

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.005 χ^2/NDF: 34.8/29

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.019+/-0.006 χ^2/NDF: 28.4/33

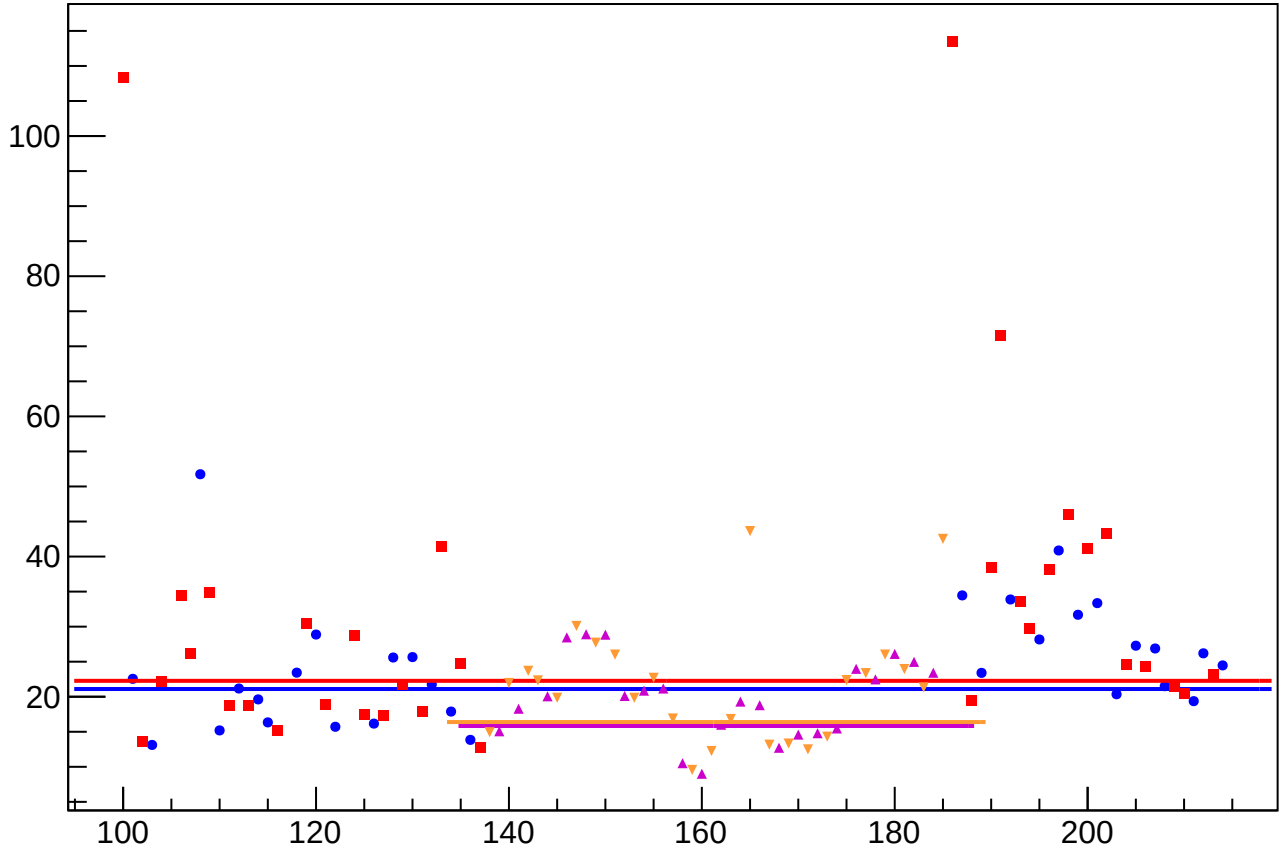
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 88.3/54

All: -0.008+/-0.002 χ^2/NDF: 148.8/111

- sign -0.004+/-0.003 χ^2/NDF: 57.7/56

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.100+/-0.004 χ^2/NDF: 2931569.8/29

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

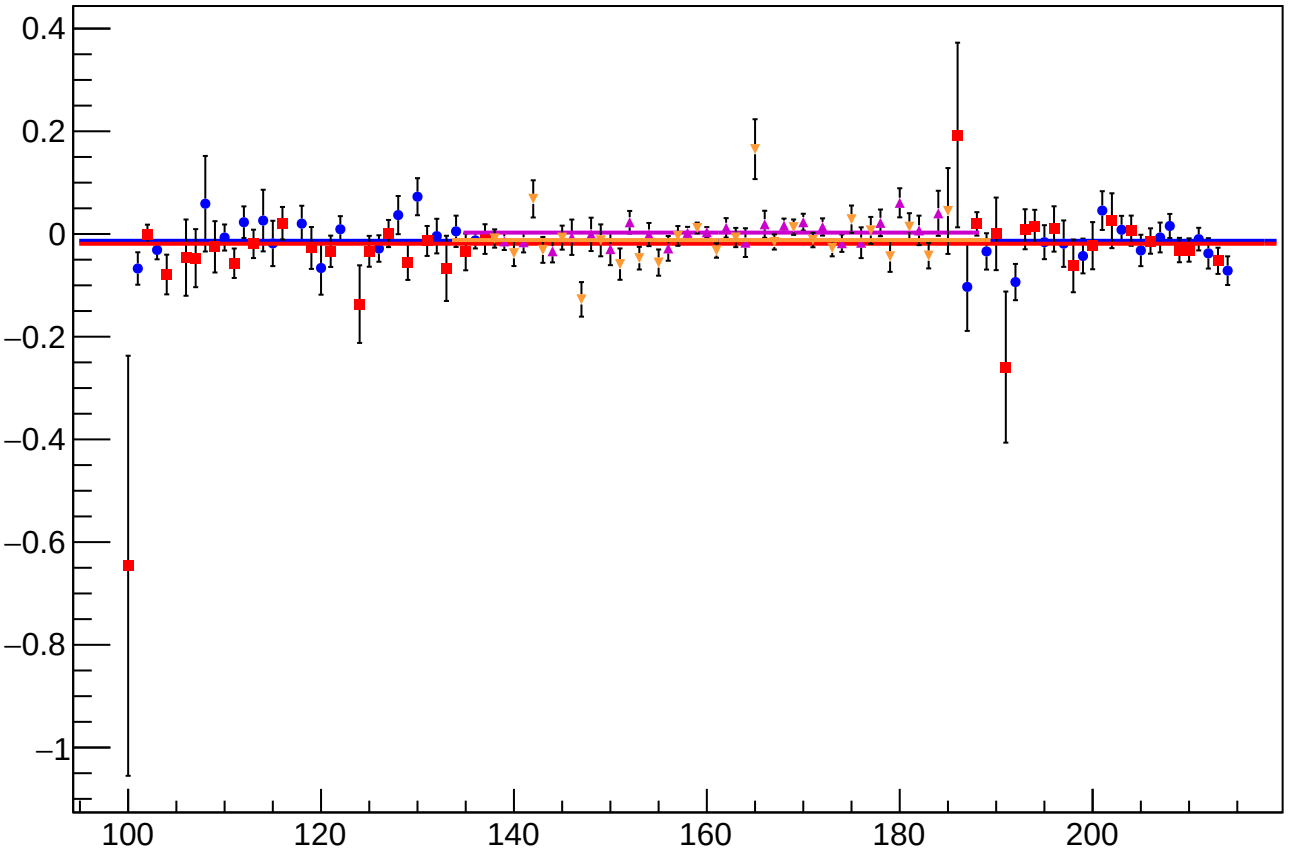
Right Out: 22.269+/-0.004 χ^2/NDF: 4114861.8/33

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

\+ sign 18.081+/-0.002 χ^2/NDF: 7926921.3/54

All: 18.018+/-0.002 χ^2/NDF: 17379265.1/111

\- sign 17.953+/-0.002 χ^2/NDF: 9450818.6/56



Right In: -0.013+/-0.005 χ^2/NDF: 34.8/29

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

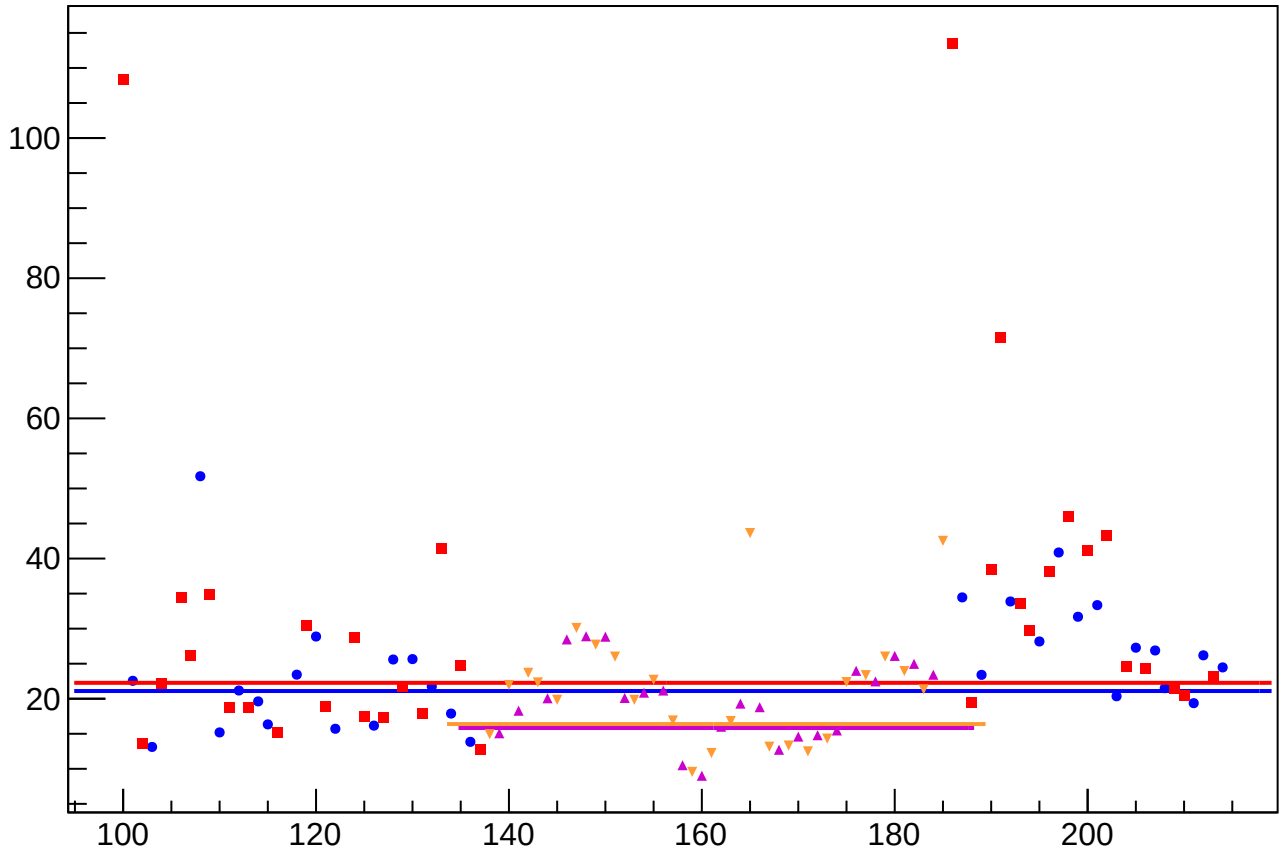
Right Out: -0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 88.3/54

All: -0.008+/-0.002 χ^2/NDF: 148.8/111

- sign -0.004+/-0.003 χ^2/NDF: 57.7/56



Right In: 21.100+/-0.004 χ^2/NDF: 2931569.8/29

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

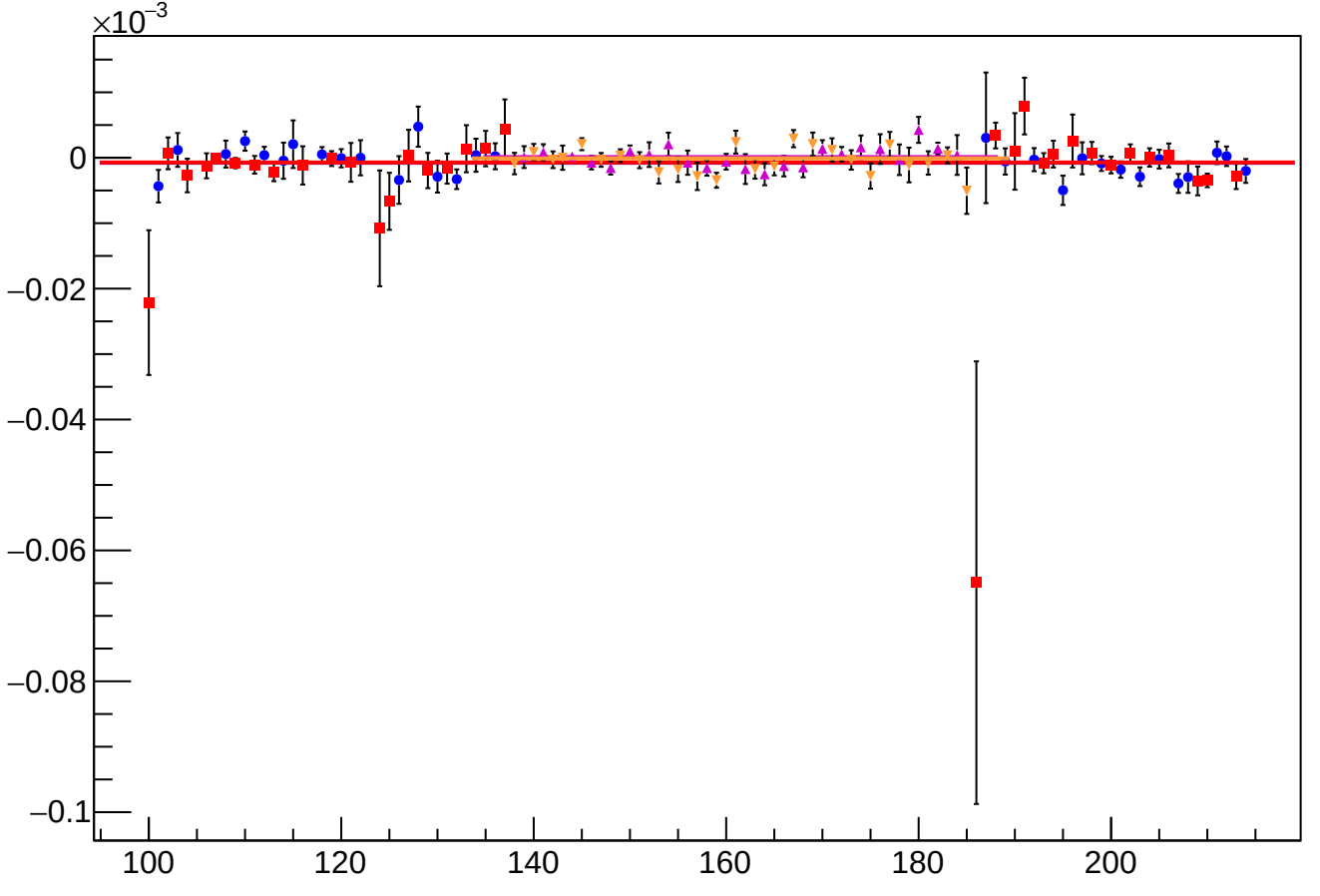
Right Out: 22.269+/-0.004 χ^2/NDF: 4114861.8/33

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.081+/-0.002 χ^2/NDF: 7926921.3/54

All: 18.018+/-0.002 χ^2/NDF: 17379265.1/111

- sign 17.953+/-0.002 χ^2/NDF: 9450818.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.4/33

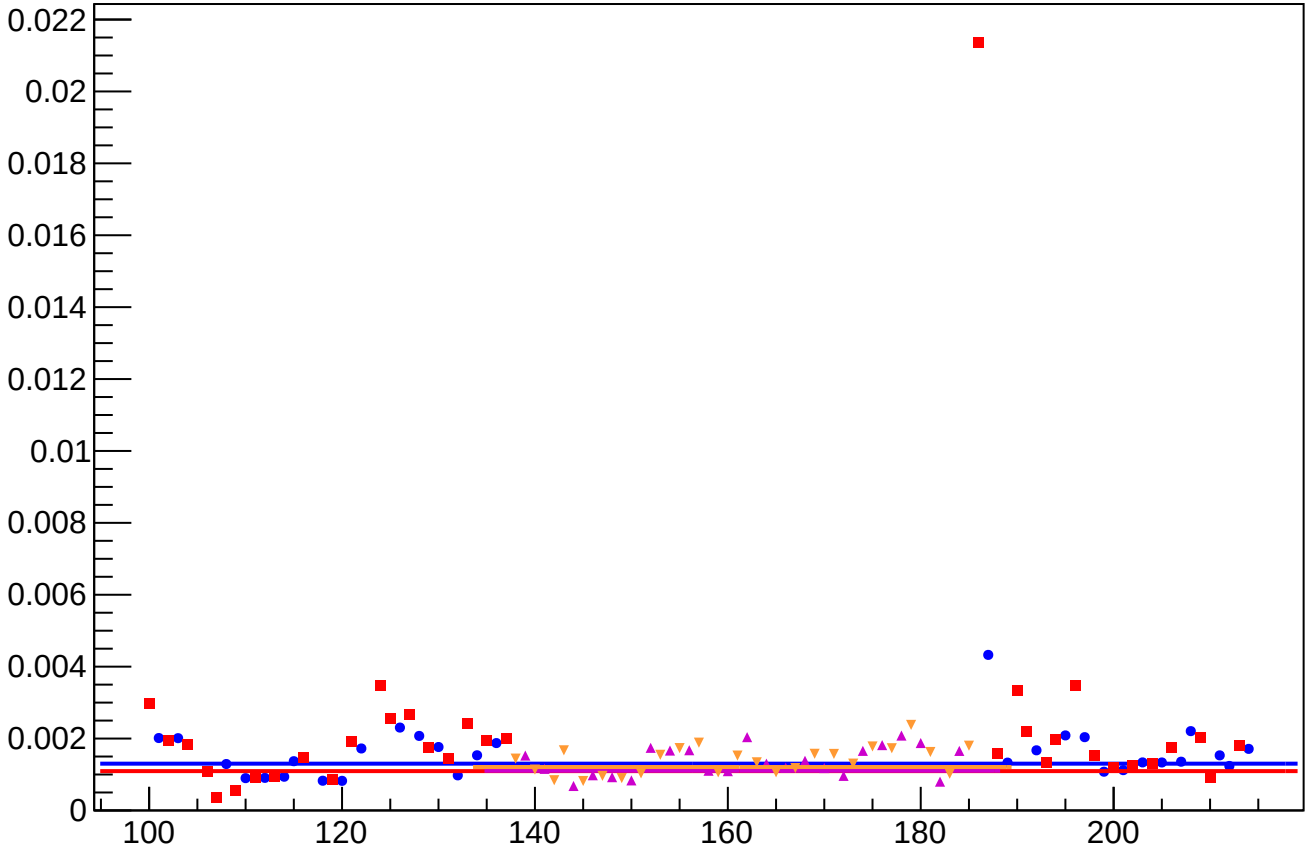
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.7/54

All: -0.000+/-0.000 χ^2/NDF: 136.4/111

- sign -0.000+/-0.000 χ^2/NDF: 64.6/56

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3205978.4/29

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

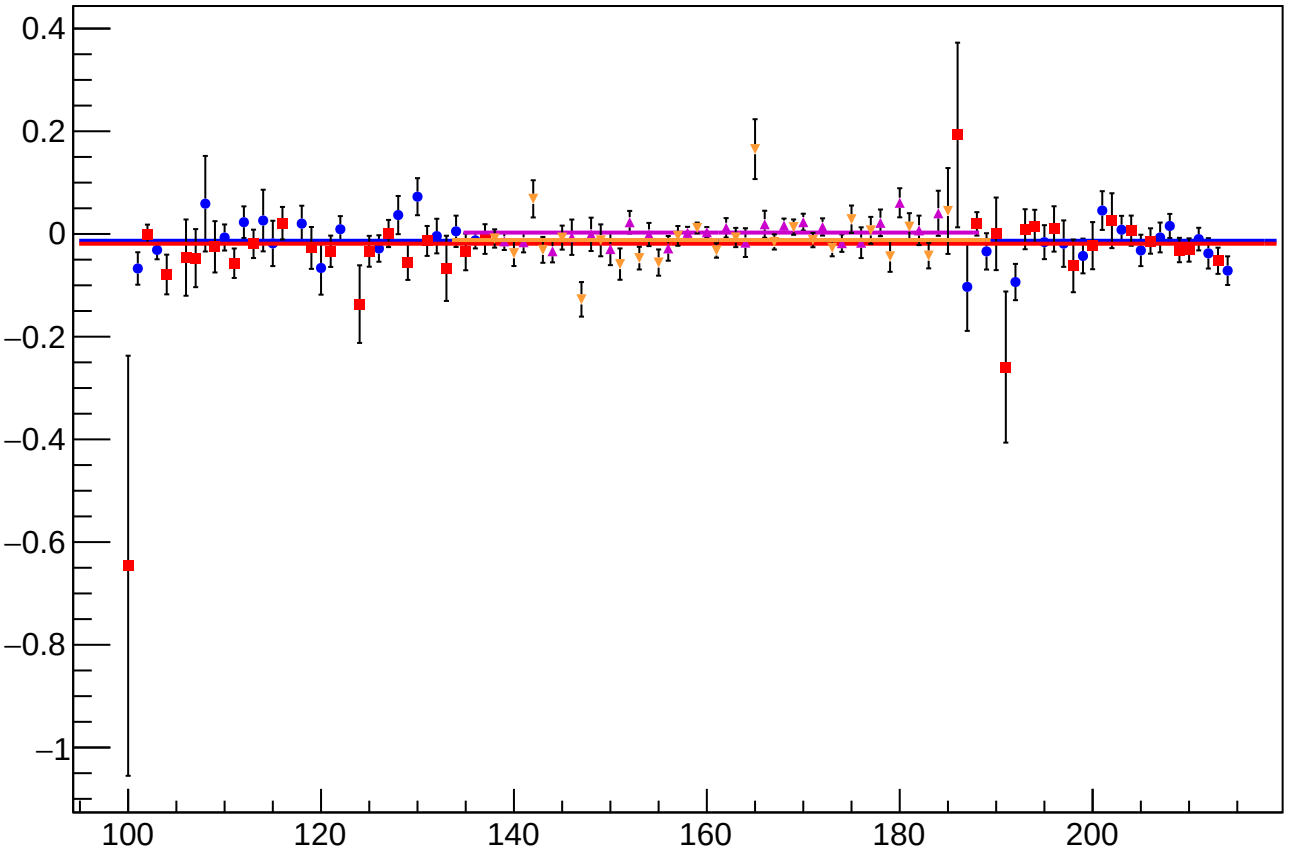
Right Out: 0.001+/-0.000 χ^2/NDF: 8655407.9/33

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6020263.2/54

All: 0.001+/-0.000 χ^2/NDF: 18692106.3/111

- sign 0.001+/-0.000 χ^2/NDF: 12151583.8/56



Right In: -0.013+/-0.005 χ^2/NDF: 34.8/29

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

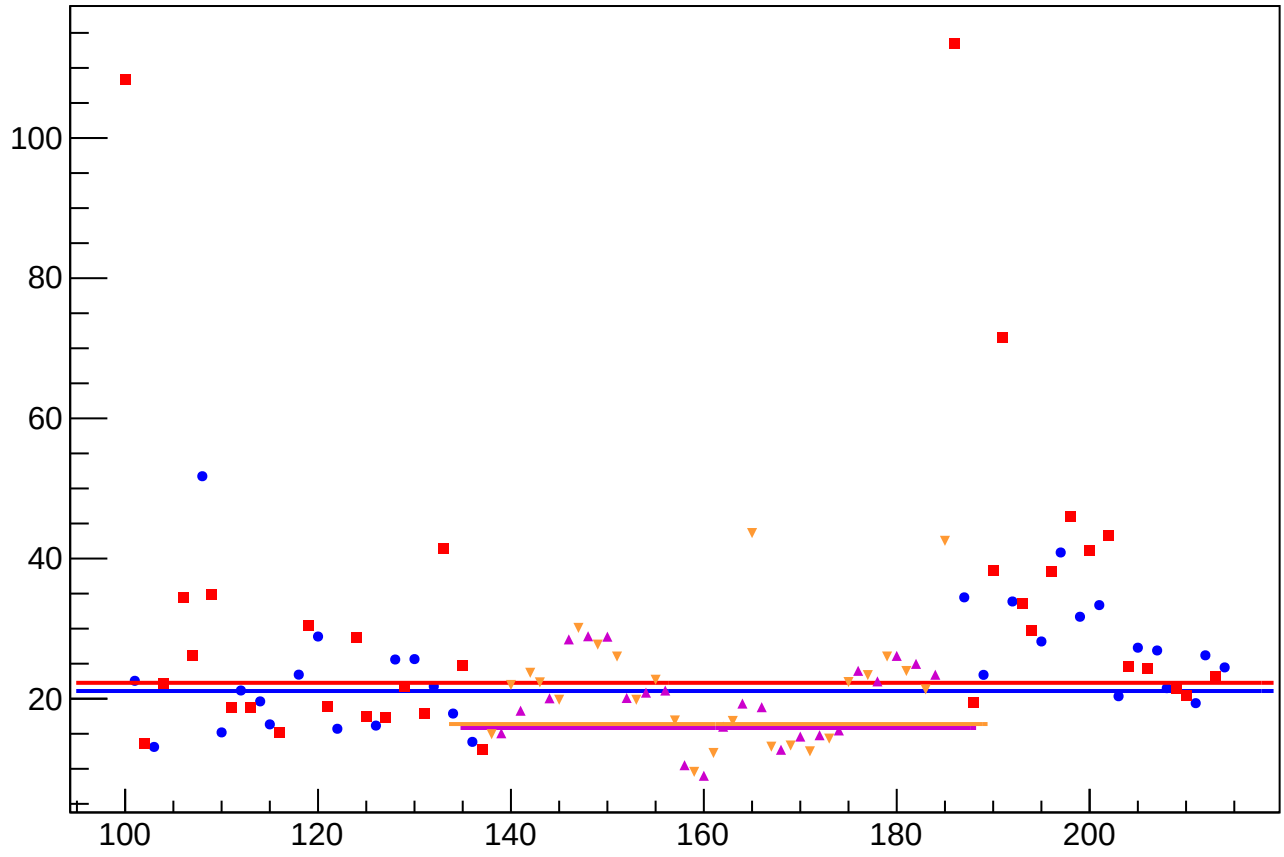
Right Out: -0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 88.3/54

All: -0.008+/-0.002 χ^2/NDF: 148.8/111

- sign -0.004+/-0.003 χ^2/NDF: 57.7/56



Right In: 21.100+/-0.004 χ^2/NDF: 2931595.0/29

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

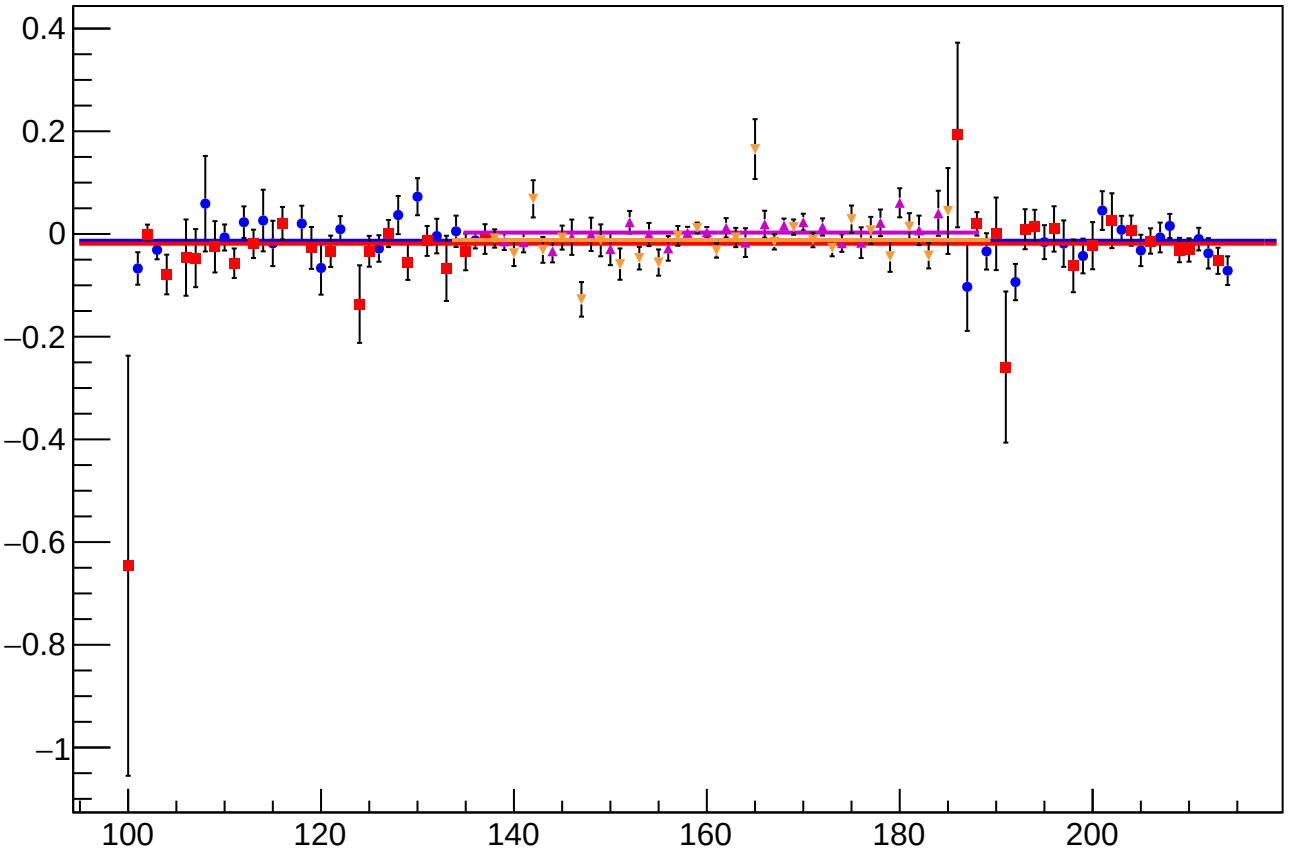
Right Out: 22.269+/-0.004 χ^2/NDF: 4114604.6/33

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.081+/-0.002 χ^2/NDF: 7927279.2/54

All: 18.018+/-0.002 χ^2/NDF: 17380044.3/111

- sign 17.953+/-0.002 χ^2/NDF: 9451240.9/56



Right In: -0.013+/-0.005 χ^2/NDF: 34.8/29

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

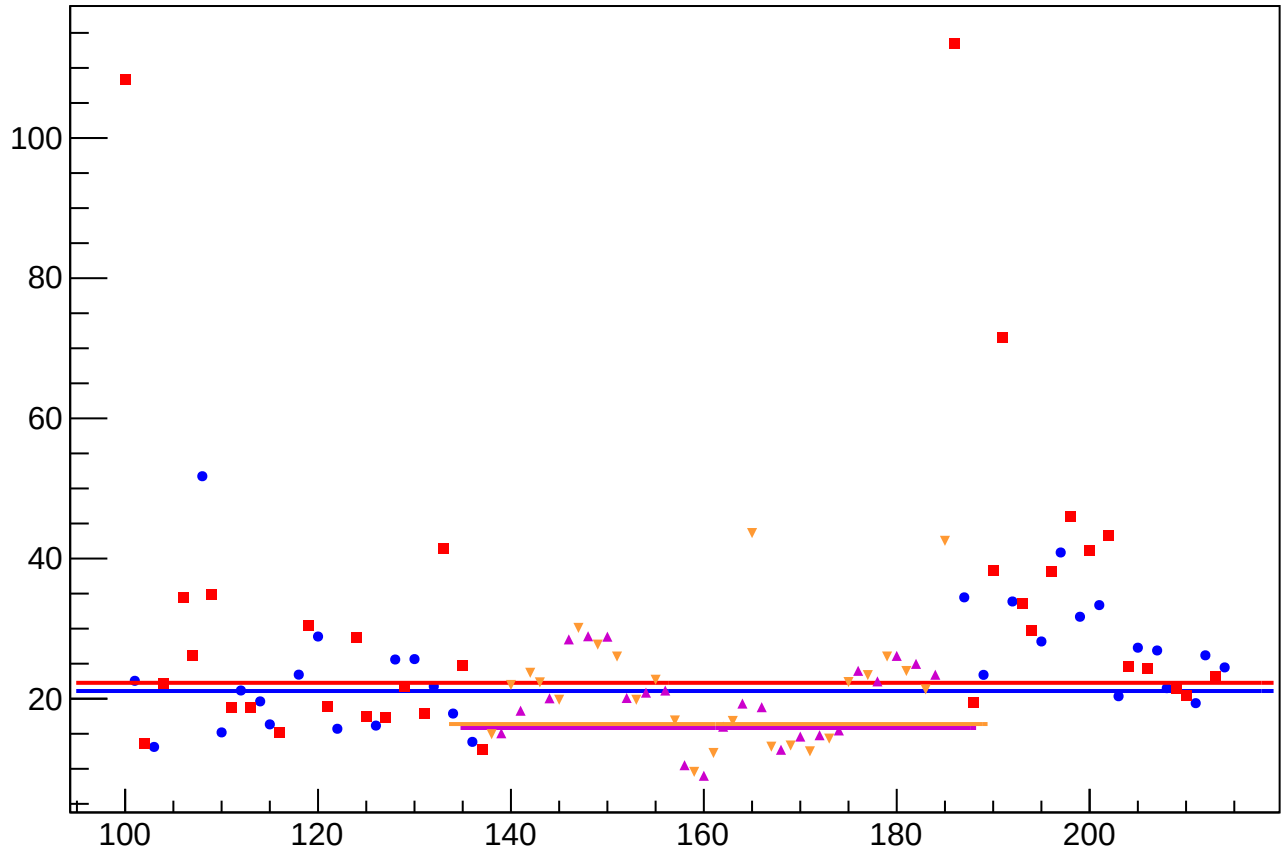
Right Out: -0.019+/-0.006 χ^2/NDF: 28.4/33

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 88.3/54

All: -0.008+/-0.002 χ^2/NDF: 148.8/111

- sign -0.004+/-0.003 χ^2/NDF: 57.7/56



Right In: 21.100+/-0.004 χ^2/NDF: 2931595.0/29

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

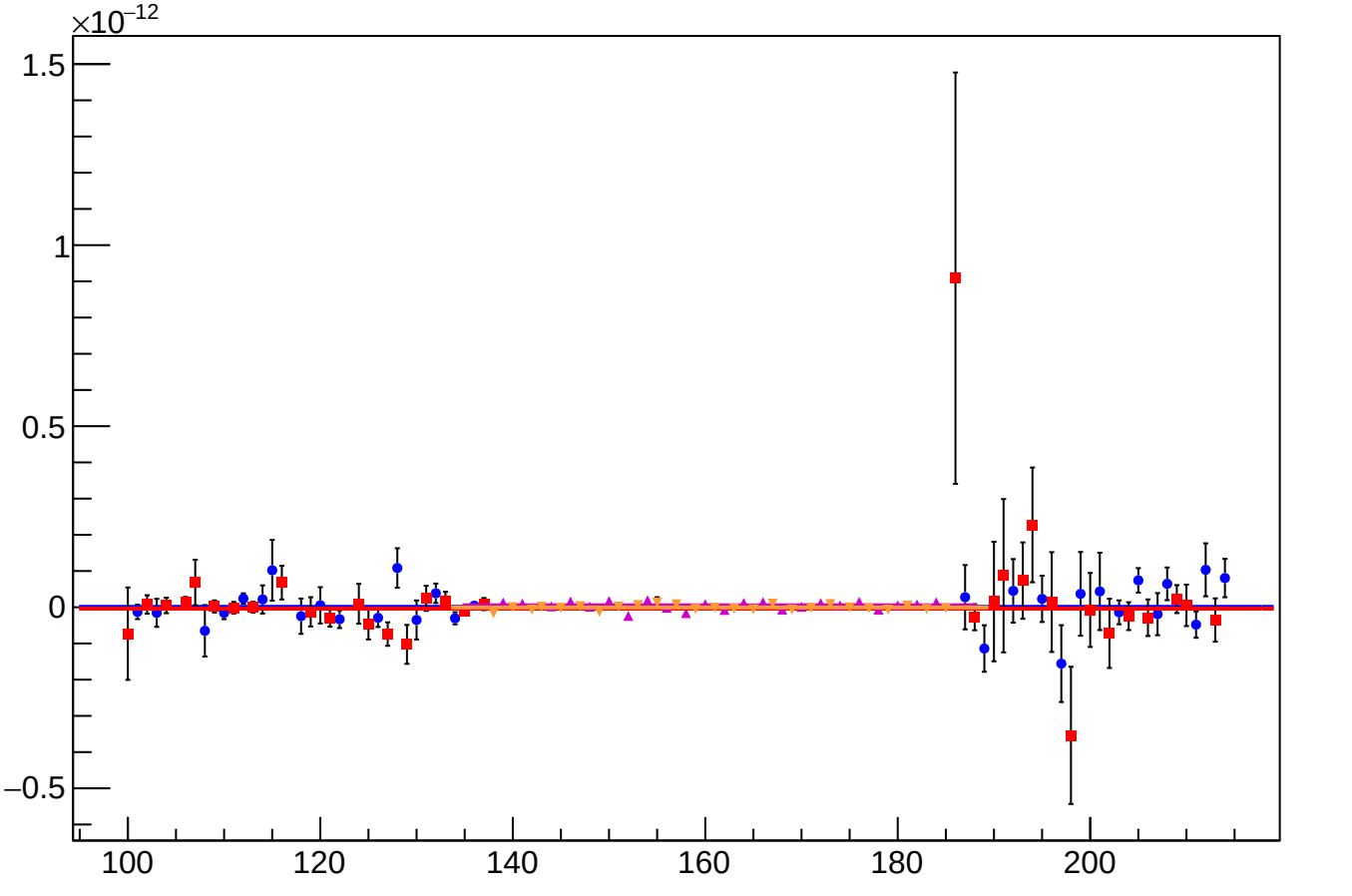
Right Out: 22.269+/-0.004 χ^2/NDF: 4114604.6/33

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.081+/-0.002 χ^2/NDF: 7927279.2/54

All: 18.018+/-0.002 χ^2/NDF: 17380044.3/111

- sign 17.953+/-0.002 χ^2/NDF: 9451240.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

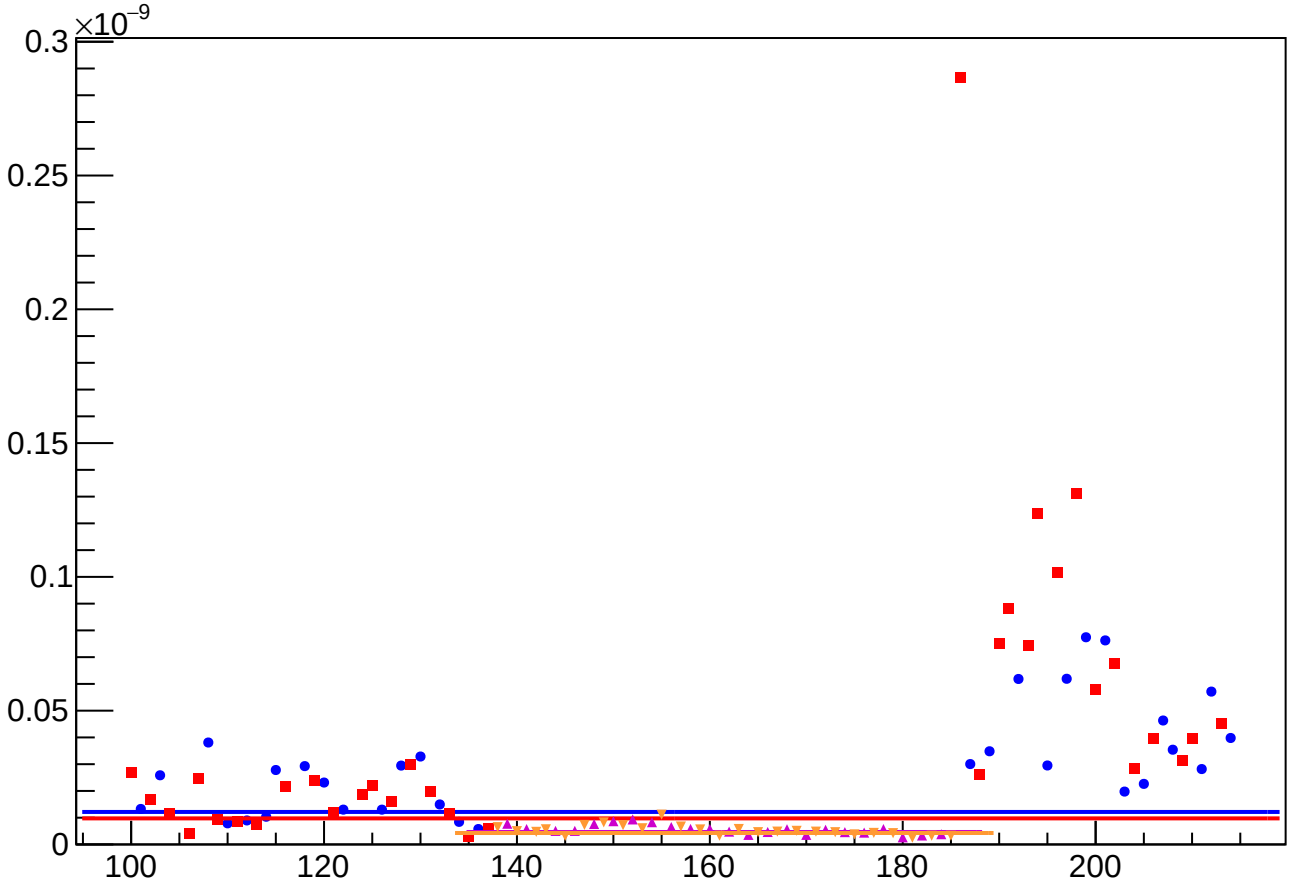
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/33

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

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/54

All: 0.000+/-0.000 χ^2/NDF: 138.7/111

- sign 0.000+/-0.000 χ^2/NDF: 72.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 9288347.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12738511.4/33

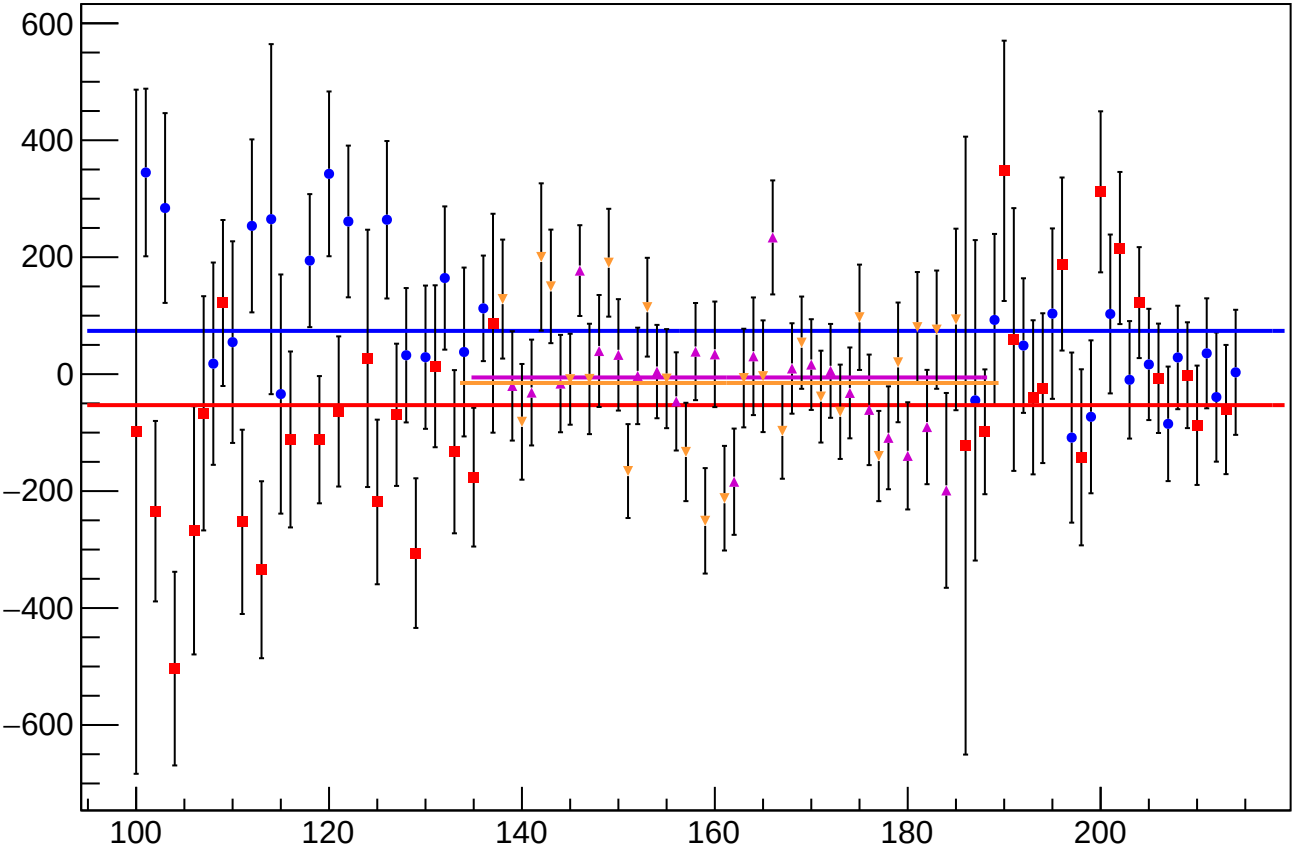
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16937255.7/54

All: 0.000+/-0.000 χ^2/NDF: 34748346.2/111

- sign 0.000+/-0.000 χ^2/NDF: 17746082.6/56

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 73.985+/-22.807 χ^2/NDF: 26.2/29

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.988+/-23.368 χ^2/NDF: 46.6/33

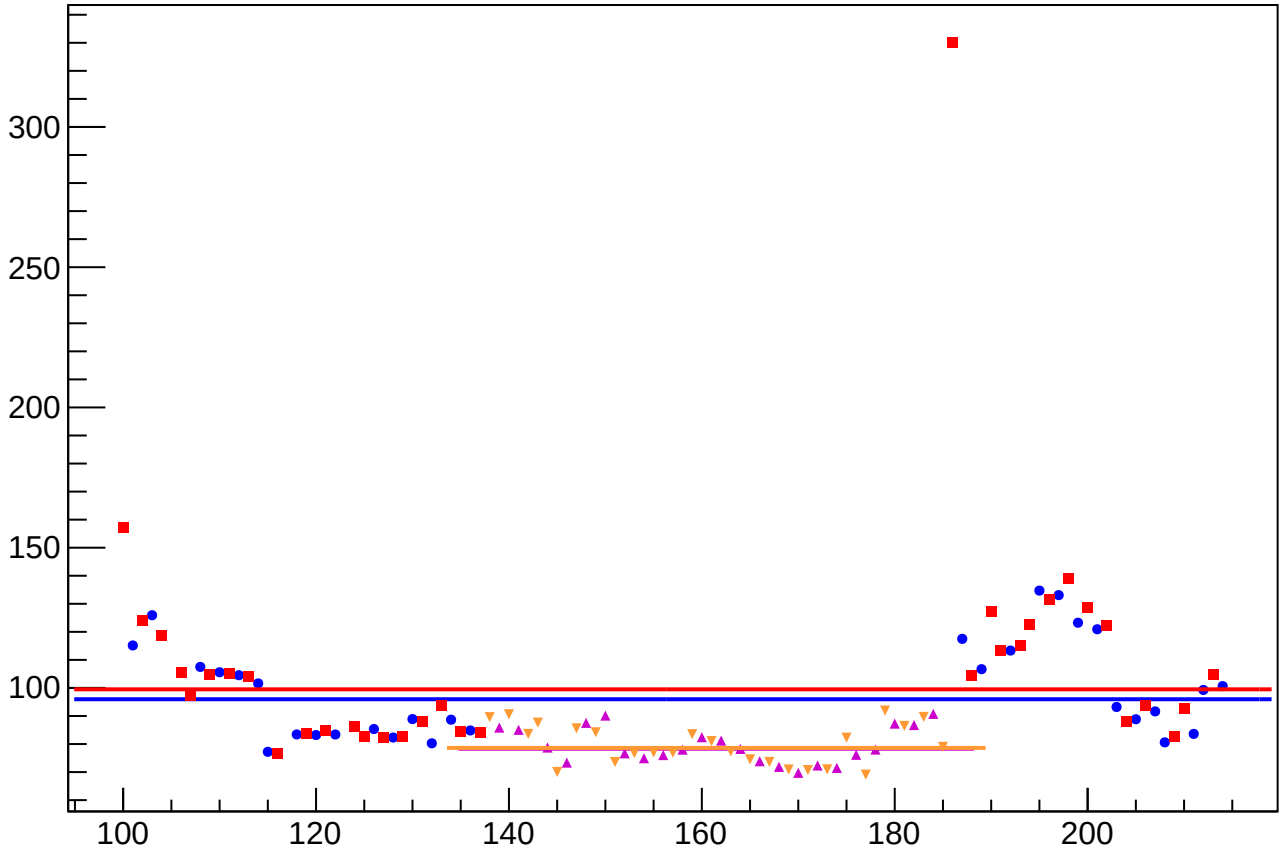
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 18.991+/-14.109 χ^2/NDF: 77.3/54

All: -1.864+/-10.094 χ^2/NDF: 153.9/111

- sign -23.732+/-14.447 χ^2/NDF: 72.2/56

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 95.970+/-0.016 χ^2/NDF: 930058.7/29

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

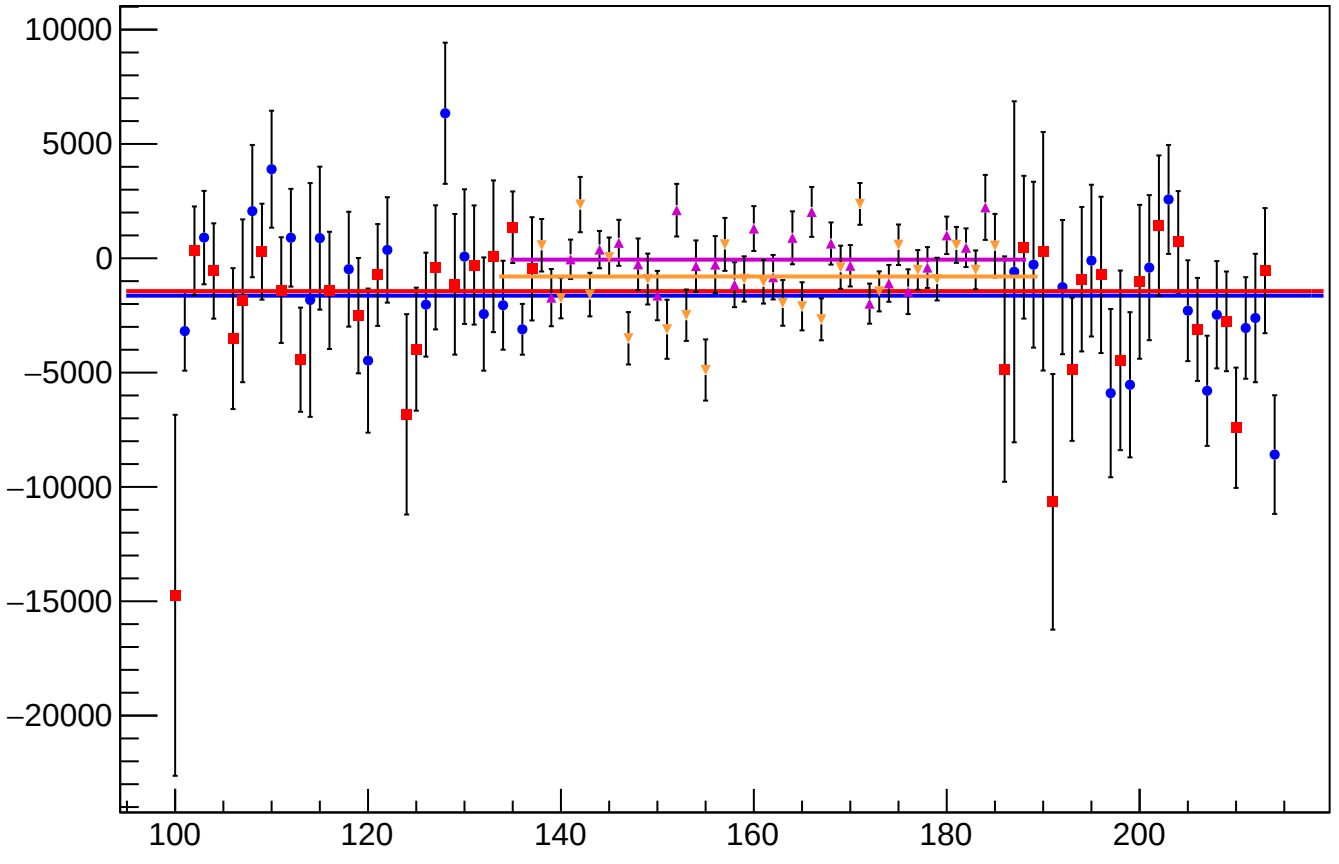
Right Out: 99.506+/-0.017 χ^2/NDF: 1411493.8/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.258+/-0.010 χ^2/NDF: 1951932.2/54

All: 85.829+/-0.007 χ^2/NDF: 4593462.4/111

- sign 86.427+/-0.010 χ^2/NDF: 2634829.6/56



Right In: -1634.722+/-443.226 χ^2/NDF: 38.8/29

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

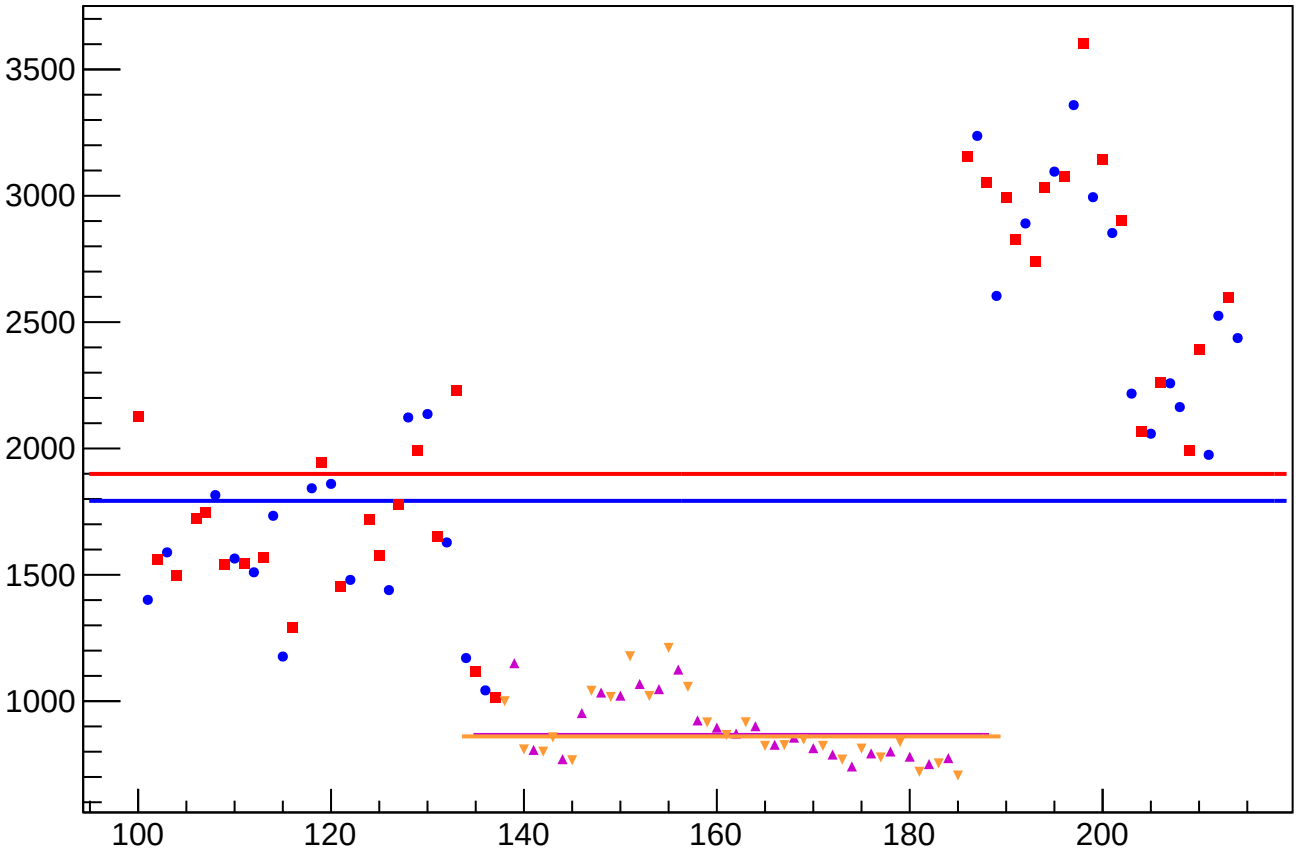
Right Out: -1435.567+/-459.495 χ^2/NDF: 26.9/33

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -936.230+/-180.693 χ^2/NDF: 101.3/54

All: -622.314+/-129.869 χ^2/NDF: 172.4/111

- sign -286.878+/-186.784 χ^2/NDF: 64.8/56



Right In: 1792.717+/-0.313 χ^2/NDF: 3637759.7/29

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1899.331+/-0.325 χ^2/NDF: 3687150.1/33

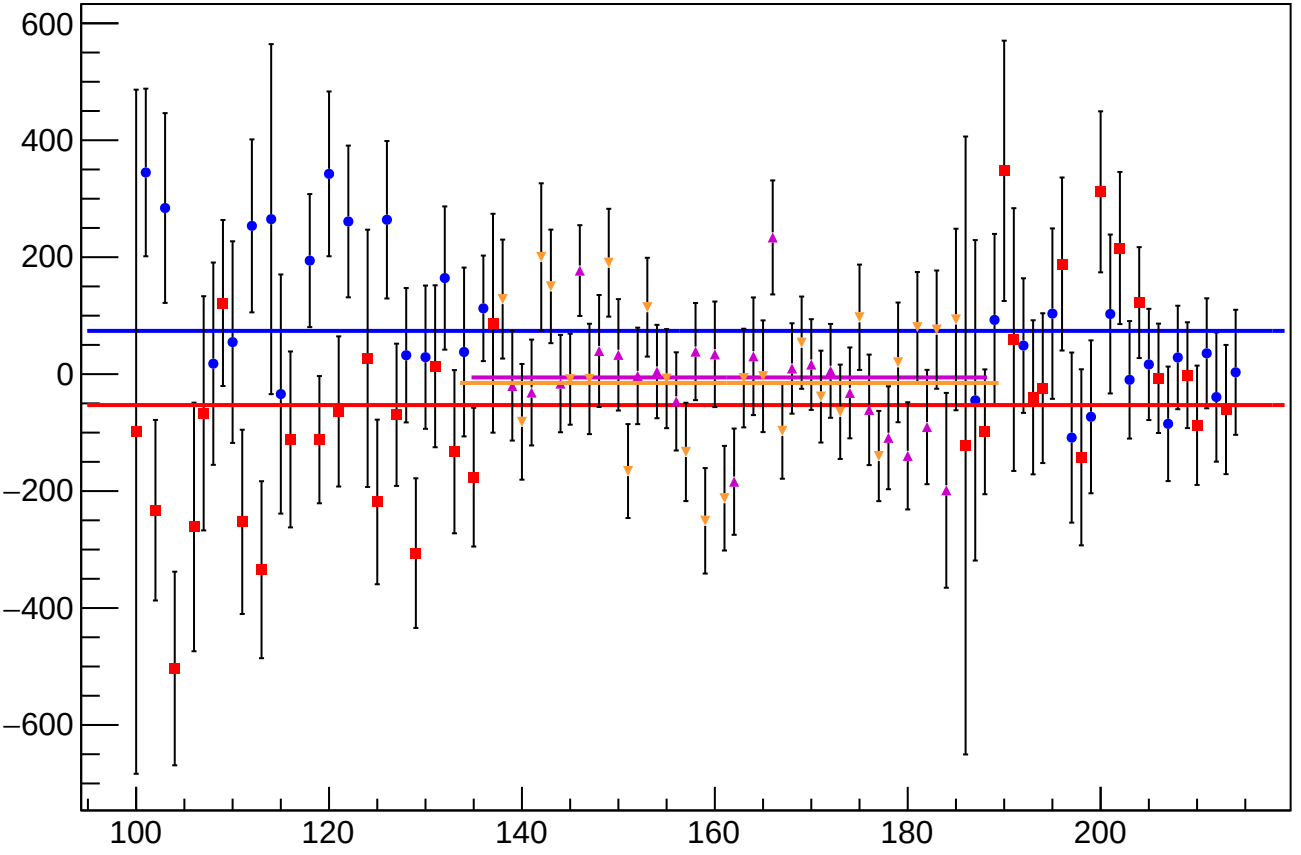
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1015.428+/-0.128 χ^2/NDF: 11714053.2/54

All: 1025.877+/-0.092 χ^2/NDF: 24465773.9/1

- sign 1037.042+/-0.132 χ^2/NDF: 12737887.1/56

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 73.979+/-22.807 χ^2/NDF: 26.2/29

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.867+/-23.369 χ^2/NDF: 46.5/33

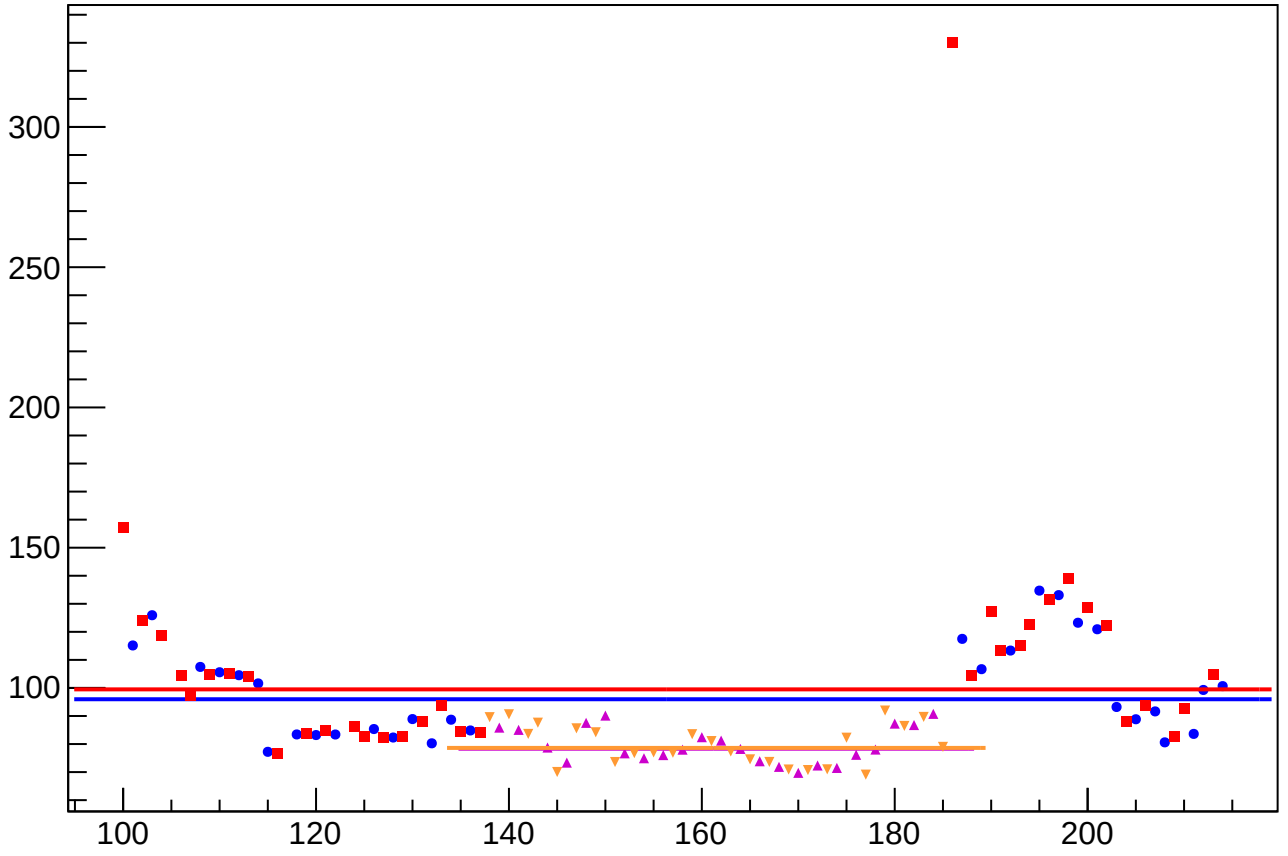
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 18.990+/-14.109 χ^2/NDF: 77.3/54

All: -1.840+/-10.094 χ^2/NDF: 153.8/111

- sign -23.683+/-14.448 χ^2/NDF: 72.1/56

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.970+/-0.016 χ^2/NDF: 930060.3/29

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

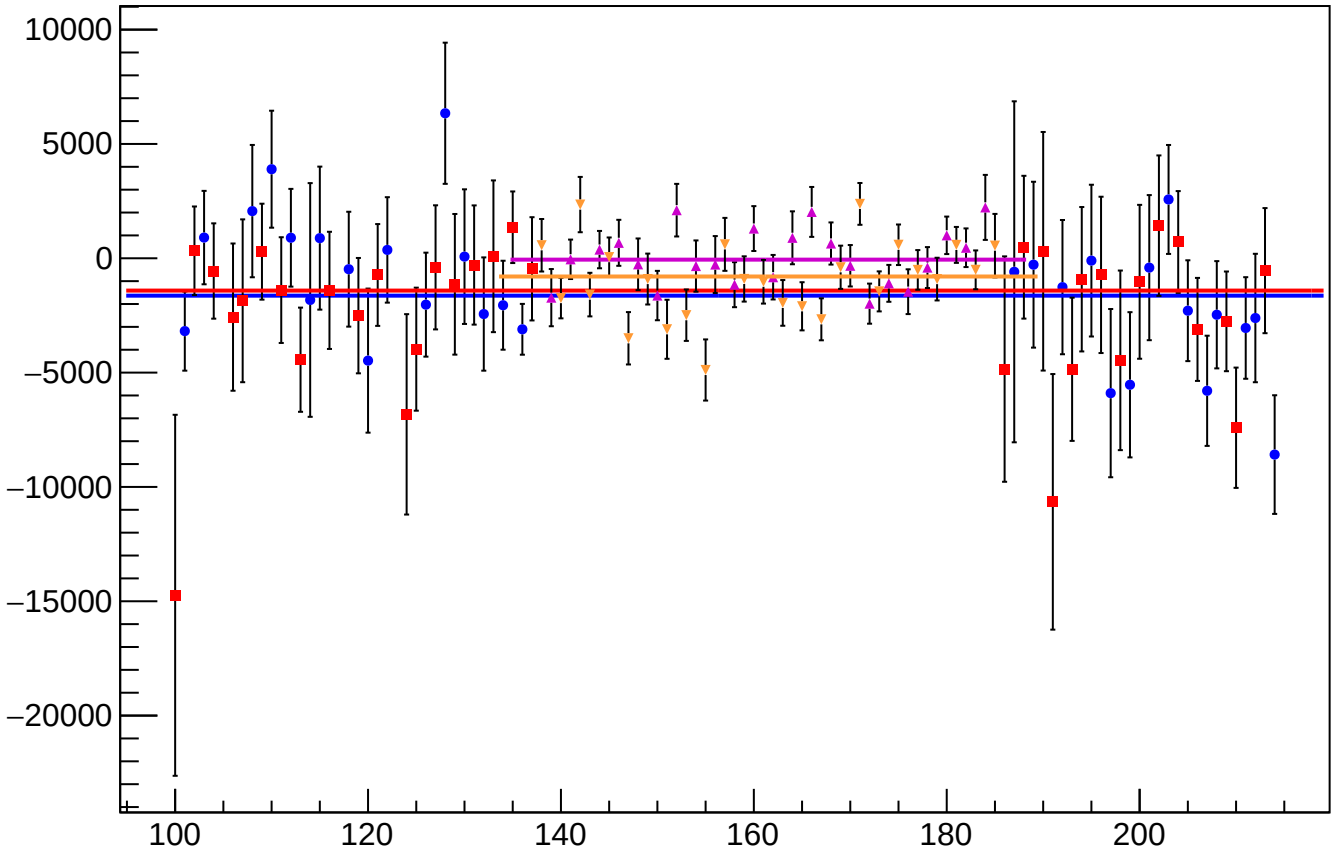
Right Out: 99.491+/-0.017 χ^2/NDF: 1411051.0/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.258+/-0.010 χ^2/NDF: 1951934.1/54

All: 85.826+/-0.007 χ^2/NDF: 4591479.6/111

- sign 86.421+/-0.010 χ^2/NDF: 2632913.9/56



Right In: -1634.709+/-443.227 χ^2/NDF: 38.8/29

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

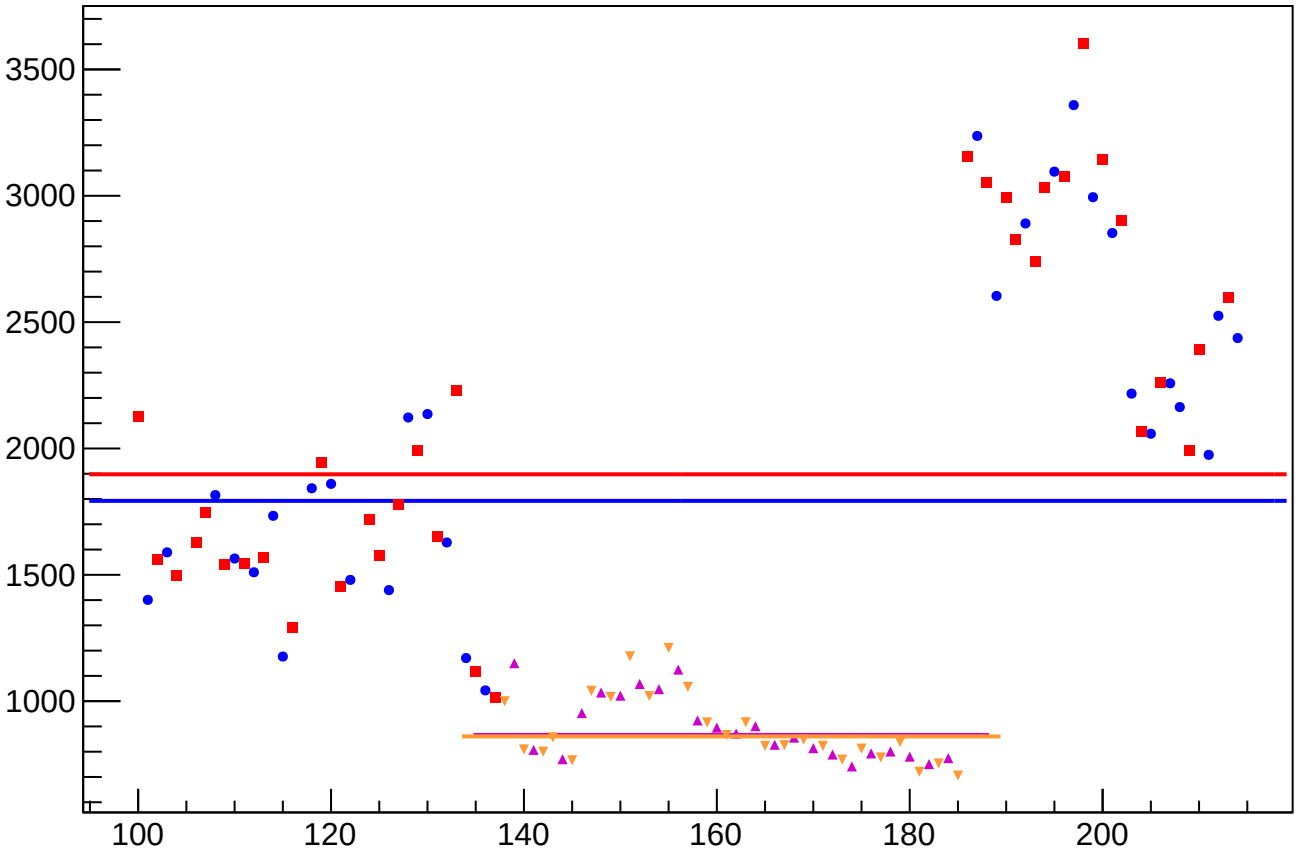
Right Out: -1412.765+/-459.936 χ^2/NDF: 26.6/33

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -936.227+/-180.693 χ^2/NDF: 101.3/54

All: -620.370+/-129.879 χ^2/NDF: 171.8/111

- sign -282.752+/-186.814 χ^2/NDF: 64.3/56



Right In: 1792.720+/-0.313 χ^2/NDF: 3637747.0/29

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF: 3694412.4/33

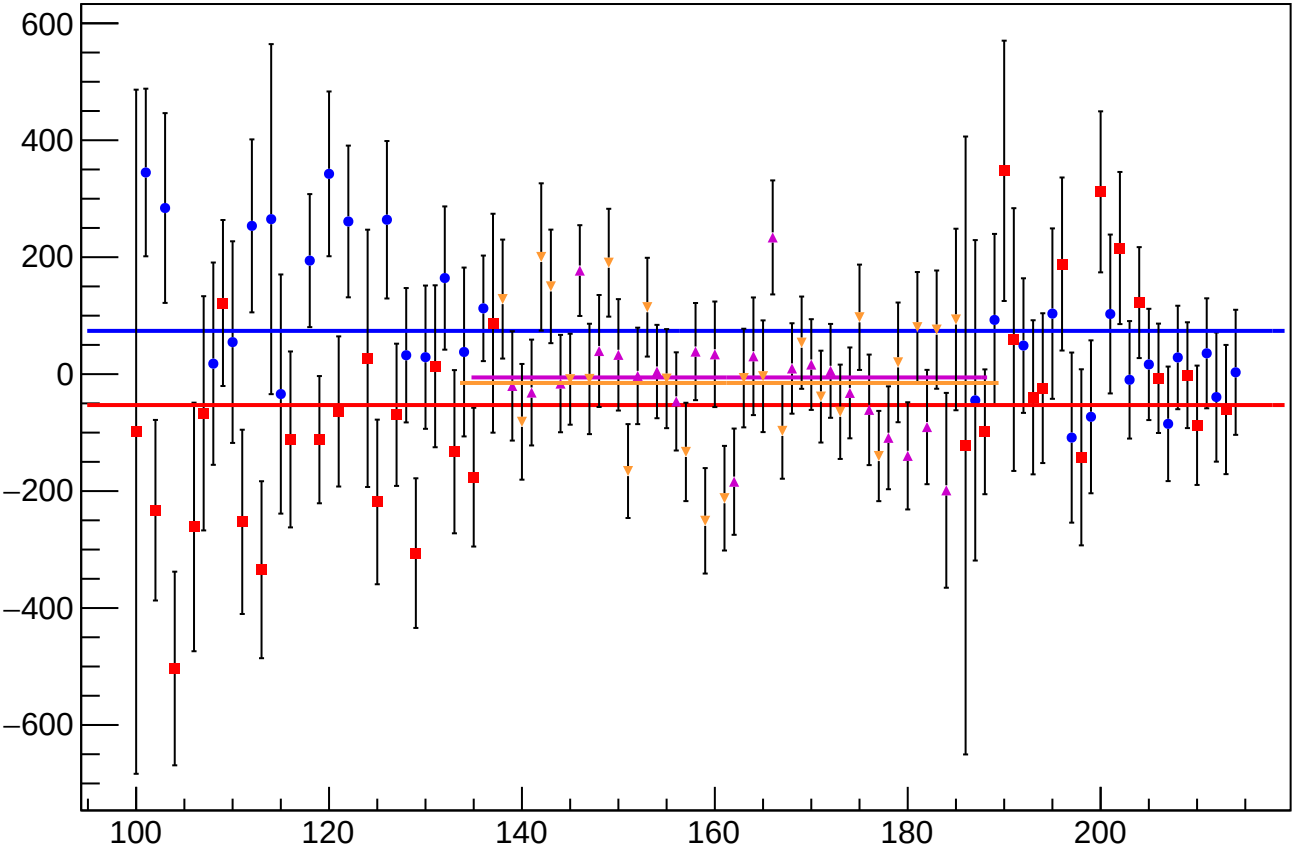
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1015.428+/-0.128 χ^2/NDF: 11714072.8/54

All: 1025.621+/-0.092 χ^2/NDF: 24433856.5/1

- sign 1036.516+/-0.132 χ^2/NDF: 12706617.6/56

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 73.979+/-22.807 χ^2/NDF: 26.2/29

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -52.867+/-23.369 χ^2/NDF: 46.5/33

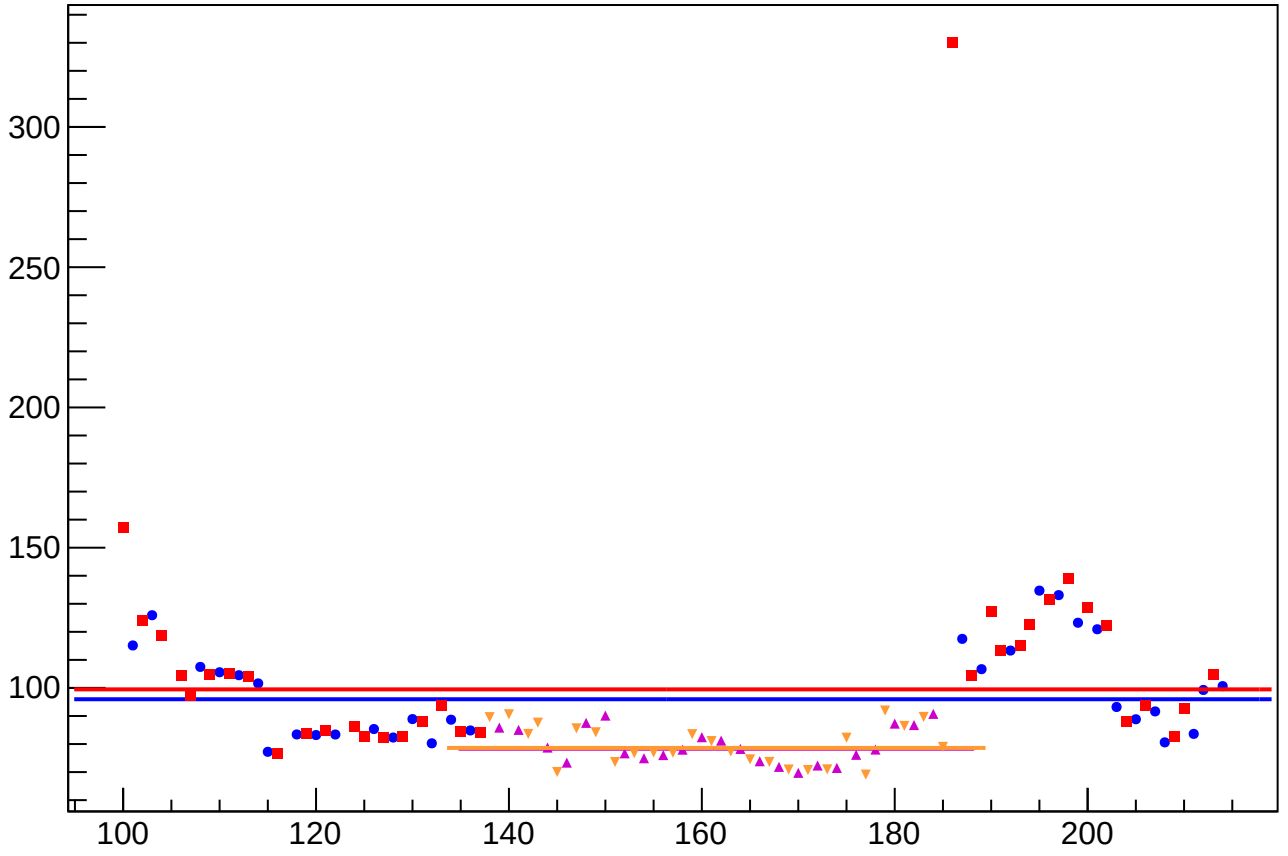
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 18.990+/-14.109 χ^2/NDF: 77.3/54

All: -1.840+/-10.094 χ^2/NDF: 153.8/111

- sign -23.683+/-14.448 χ^2/NDF: 72.1/56

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 95.970+/-0.016 χ^2/NDF: 930060.3/29

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

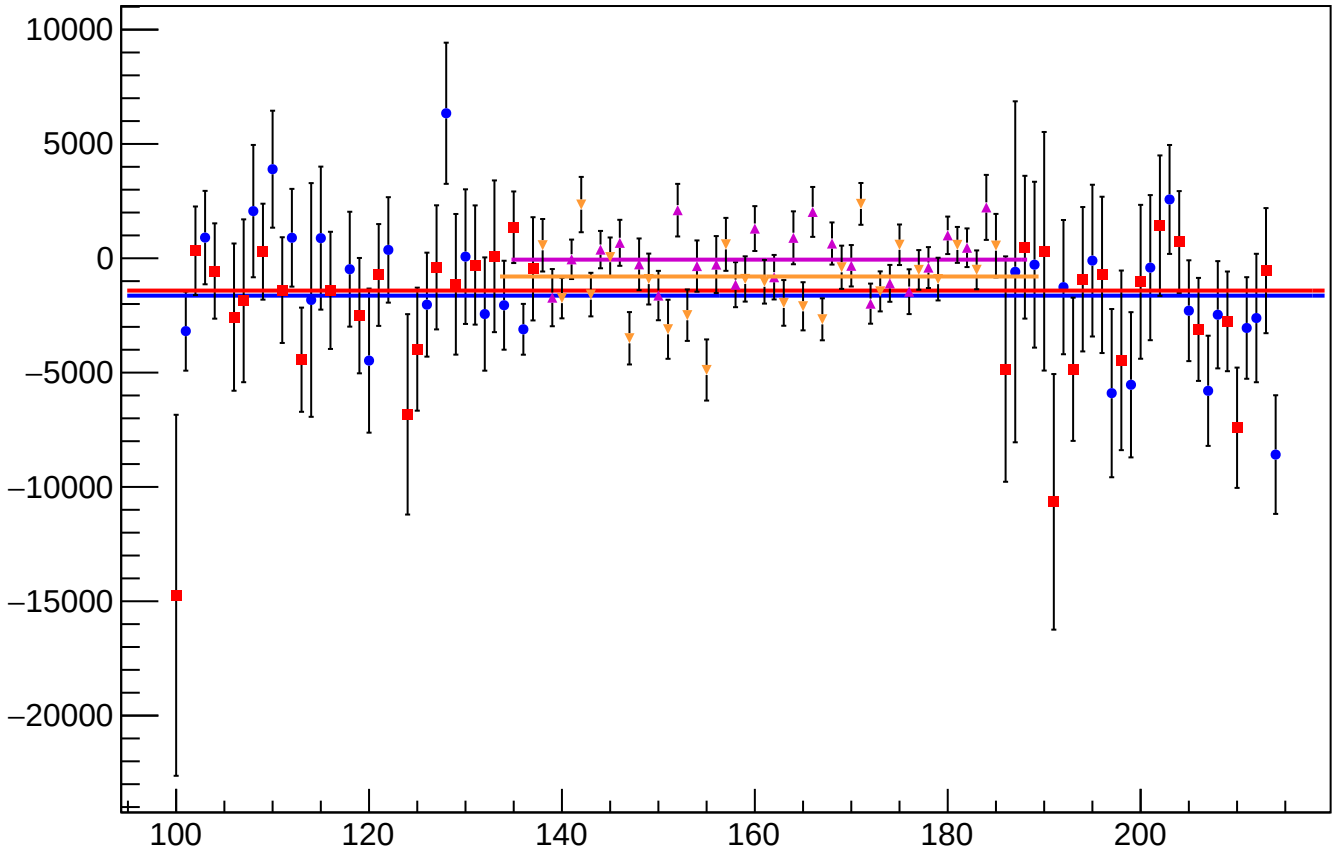
Right Out: 99.491+/-0.017 χ^2/NDF: 1411051.0/33

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.258+/-0.010 χ^2/NDF: 1951934.1/54

All: 85.826+/-0.007 χ^2/NDF: 4591479.6/111

- sign 86.421+/-0.010 χ^2/NDF: 2632913.9/56



Right In: -1634.709+/-443.227 χ^2/NDF: 38.8/29

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

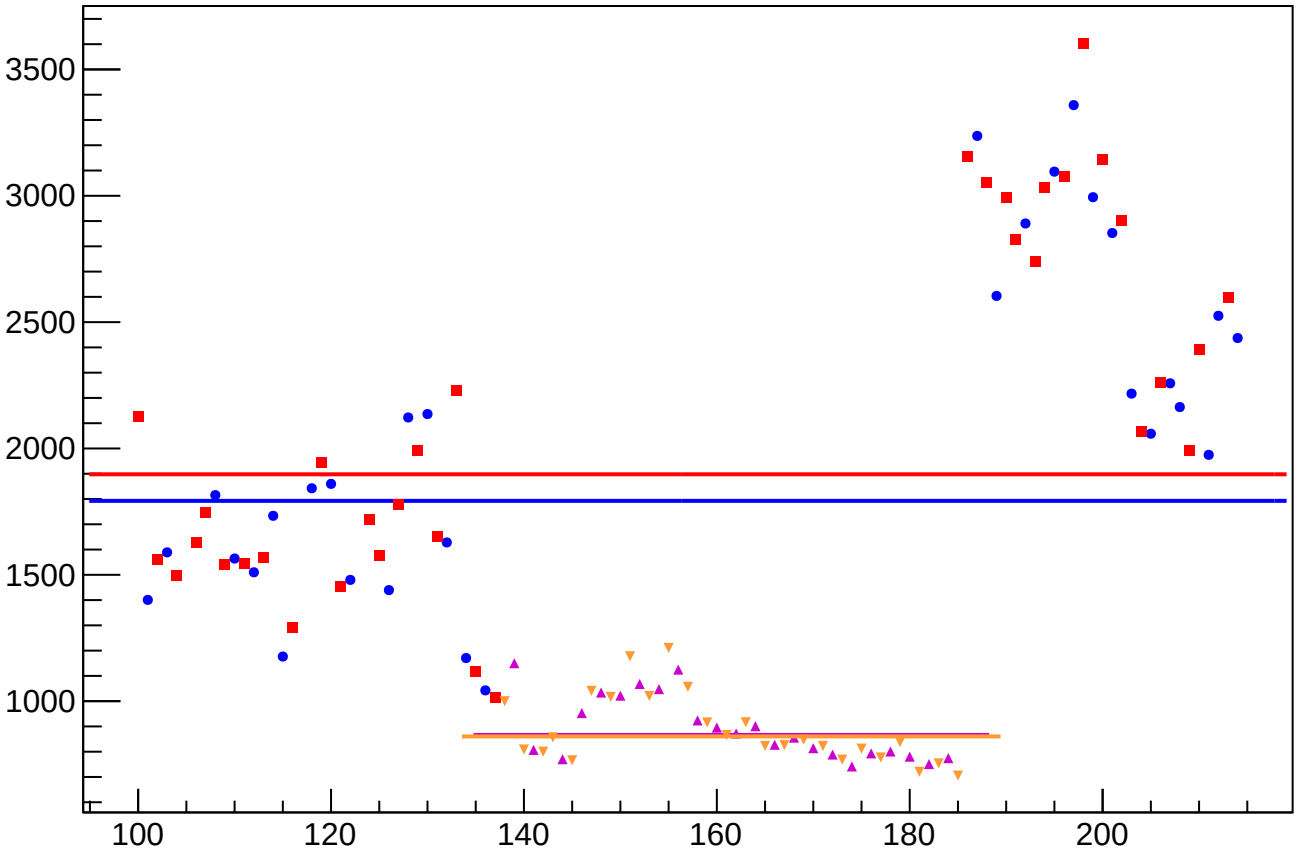
Right Out: -1412.765+/-459.936 χ^2/NDF: 26.6/33

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

\+ sign -936.227+/-180.693 χ^2/NDF: 101.3/54

All: -620.370+/-129.879 χ^2/NDF: 171.8/111

\- sign -282.752+/-186.814 χ^2/NDF: 64.3/56



Right In: 1792.720+/-0.313 χ^2/NDF: 3637747.0/29

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1897.796+/-0.325 χ^2/NDF: 3694412.4/33

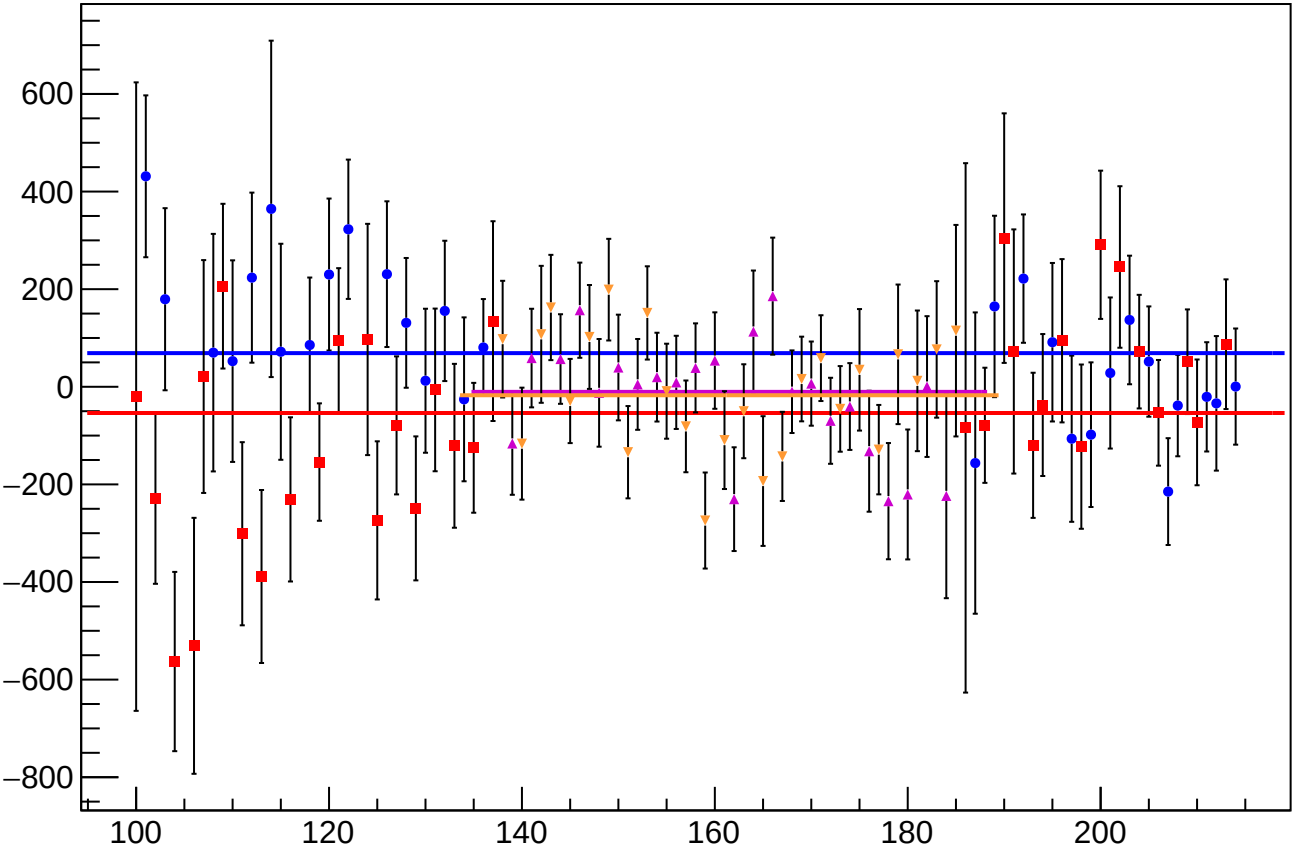
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1015.428+/-0.128 χ^2/NDF: 11714072.8/54

All: 1025.621+/-0.092 χ^2/NDF: 24433856.5/1

- sign 1036.516+/-0.132 χ^2/NDF: 12706617.6/56

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 68.976+/-26.588 χ^2/NDF: 27.3/29

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -53.714+/-27.125 χ^2/NDF: 43.1/33

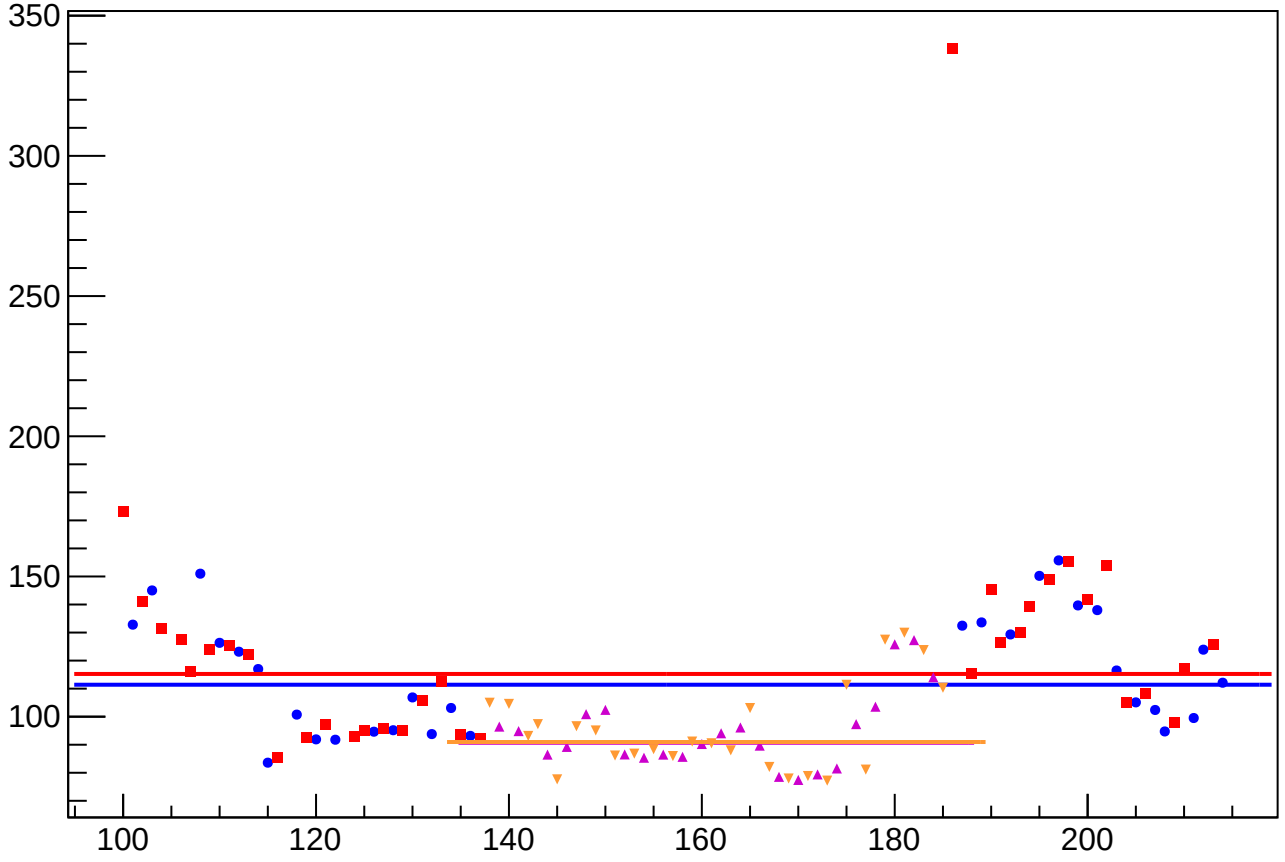
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 15.785+/-16.473 χ^2/NDF: 65.0/54

All: -5.183+/-11.780 χ^2/NDF: 135.7/111

- sign -27.123+/-16.851 χ^2/NDF: 67.3/56

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.395+/-0.019 χ^2/NDF: 1013349.4/29

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.236+/-0.019 χ^2/NDF: 1363185.6/33

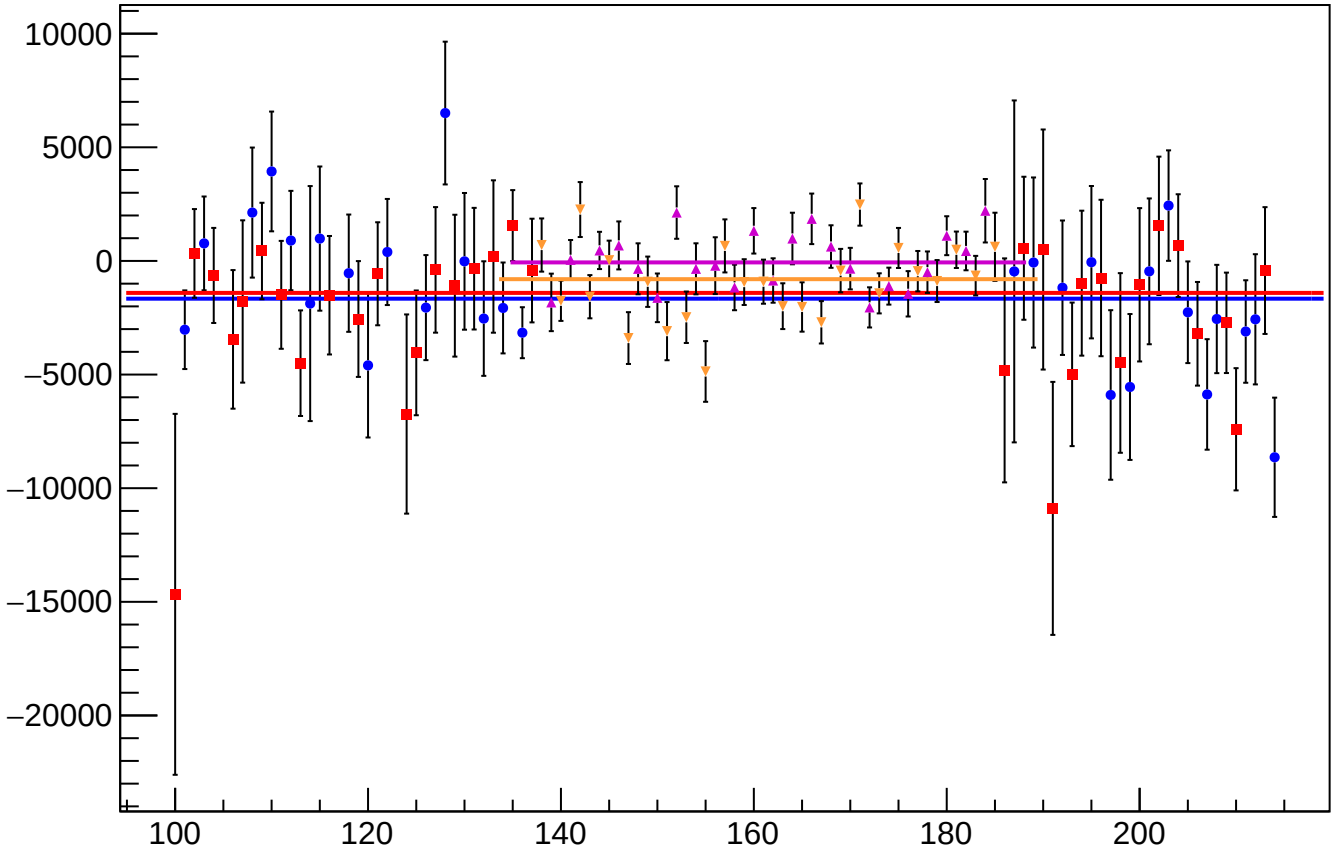
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.809+/-0.012 χ^2/NDF: 2525285.6/54

All: 99.470+/-0.008 χ^2/NDF: 5446715.9/111

- sign 100.163+/-0.012 χ^2/NDF: 2914828.6/56

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1661.357+/-449.360 χ^2/NDF: 38.2/29

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

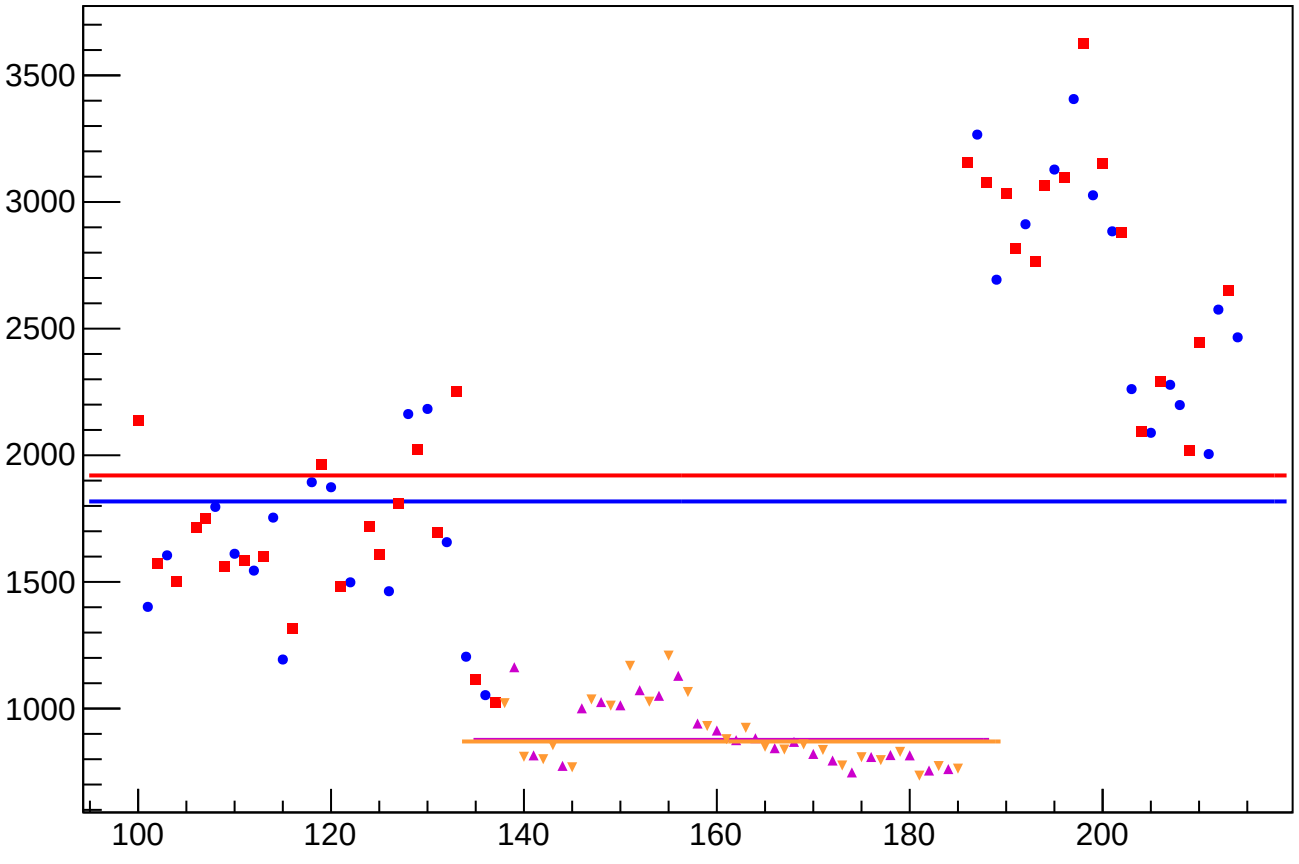
Right Out: -1406.837+/-464.419 χ^2/NDF: 27.5/33

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

\+ sign -944.354+/-182.606 χ^2/NDF: 99.6/54

All: -626.677+/-131.265 χ^2/NDF: 171.0/111

\- sign -286.997+/-188.823 χ^2/NDF: 65.2/56



Right In: 1817.736+/-0.318 χ^2/NDF: 3649679.1/29

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1920.354+/-0.328 χ^2/NDF: 3675517.2/33

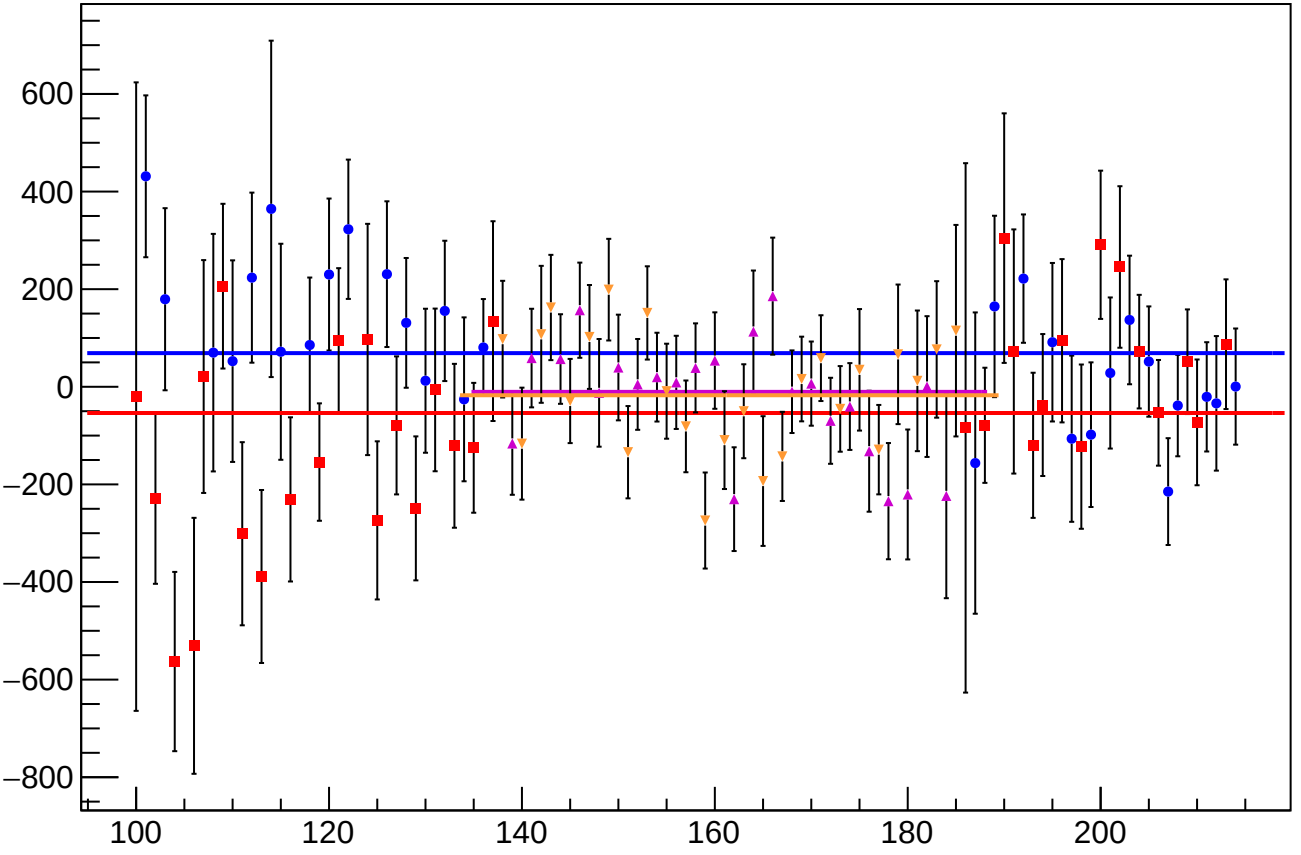
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1026.512+/-0.129 χ^2/NDF: 11724138.8/54

All: 1037.315+/-0.093 χ^2/NDF: 24448654.4/1

- sign 1048.867+/-0.134 χ^2/NDF: 12710029.9/56

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 68.980+/-26.588 χ^2/NDF: 27.3/29

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -53.713+/-27.125 χ^2/NDF: 43.1/33

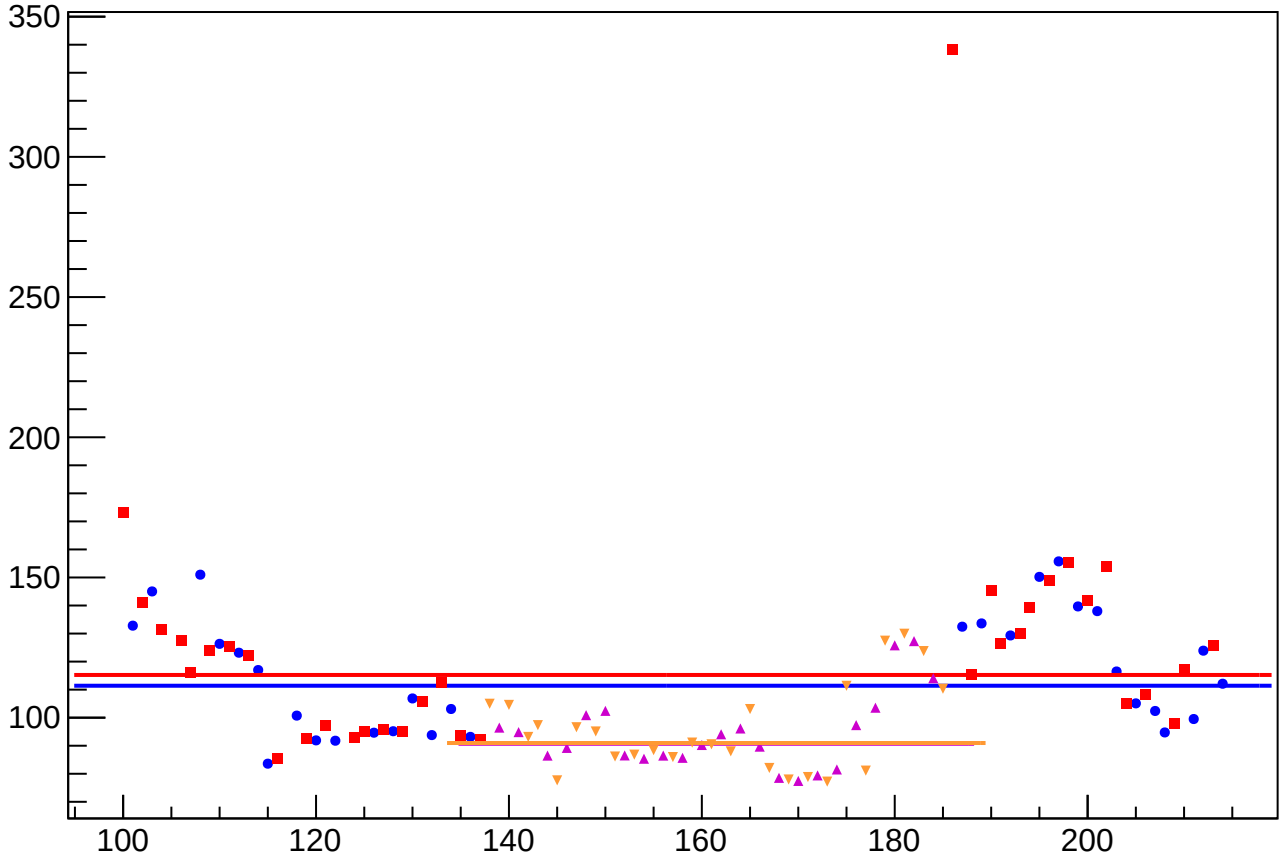
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 15.786+/-16.473 χ^2/NDF: 65.0/54

All: -5.182+/-11.780 χ^2/NDF: 135.7/111

- sign -27.122+/-16.851 χ^2/NDF: 67.3/56

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.394+/-0.019 χ^2/NDF: 1013363.4/29

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

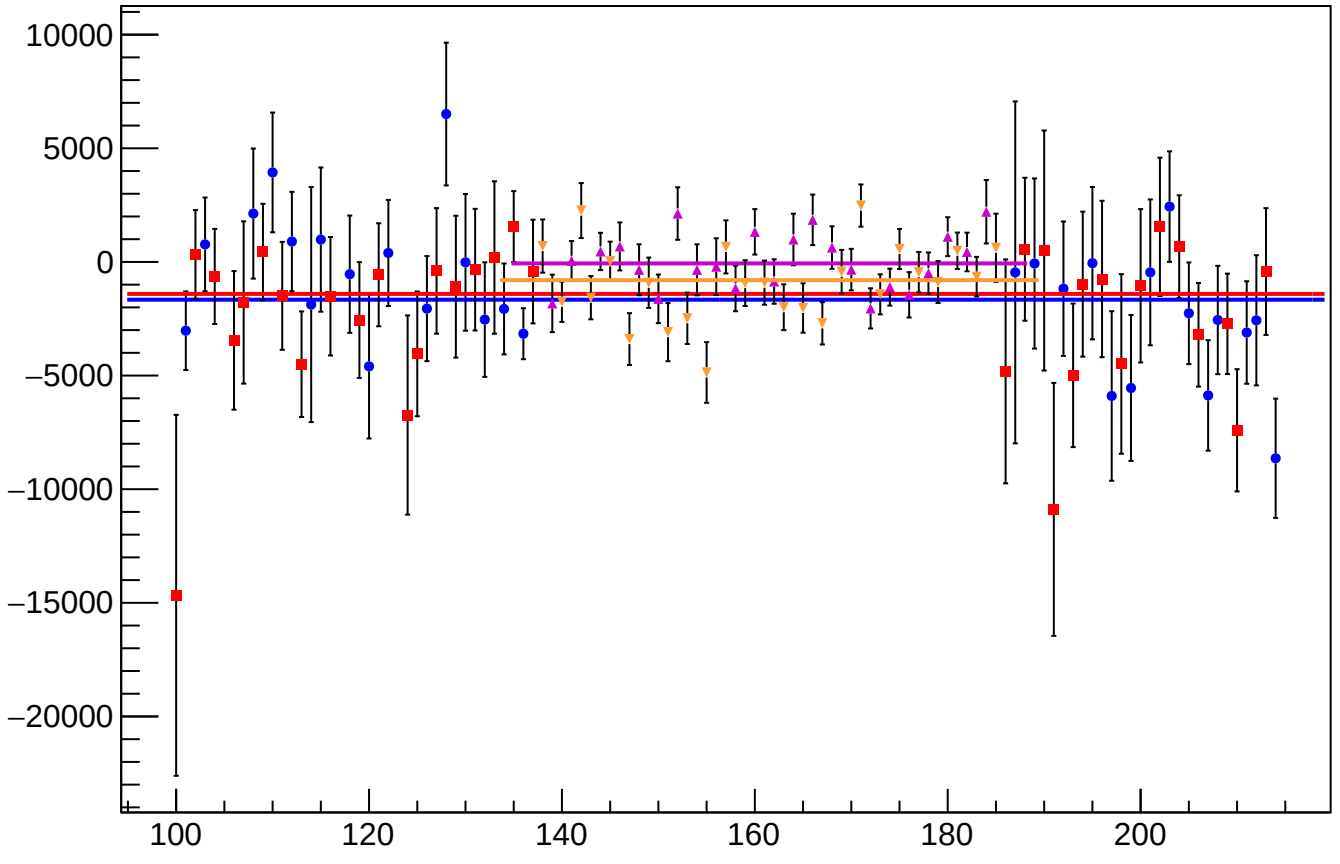
Right Out: 115.235+/-0.019 χ^2/NDF: 1363204.1/33

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.809+/-0.012 χ^2/NDF: 2525262.8/54

All: 99.470+/-0.008 χ^2/NDF: 5446675.7/111

- sign 100.162+/-0.012 χ^2/NDF: 2914811.5/56



Right In: -1661.352+/-449.359 χ^2/NDF: 38.2/29

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

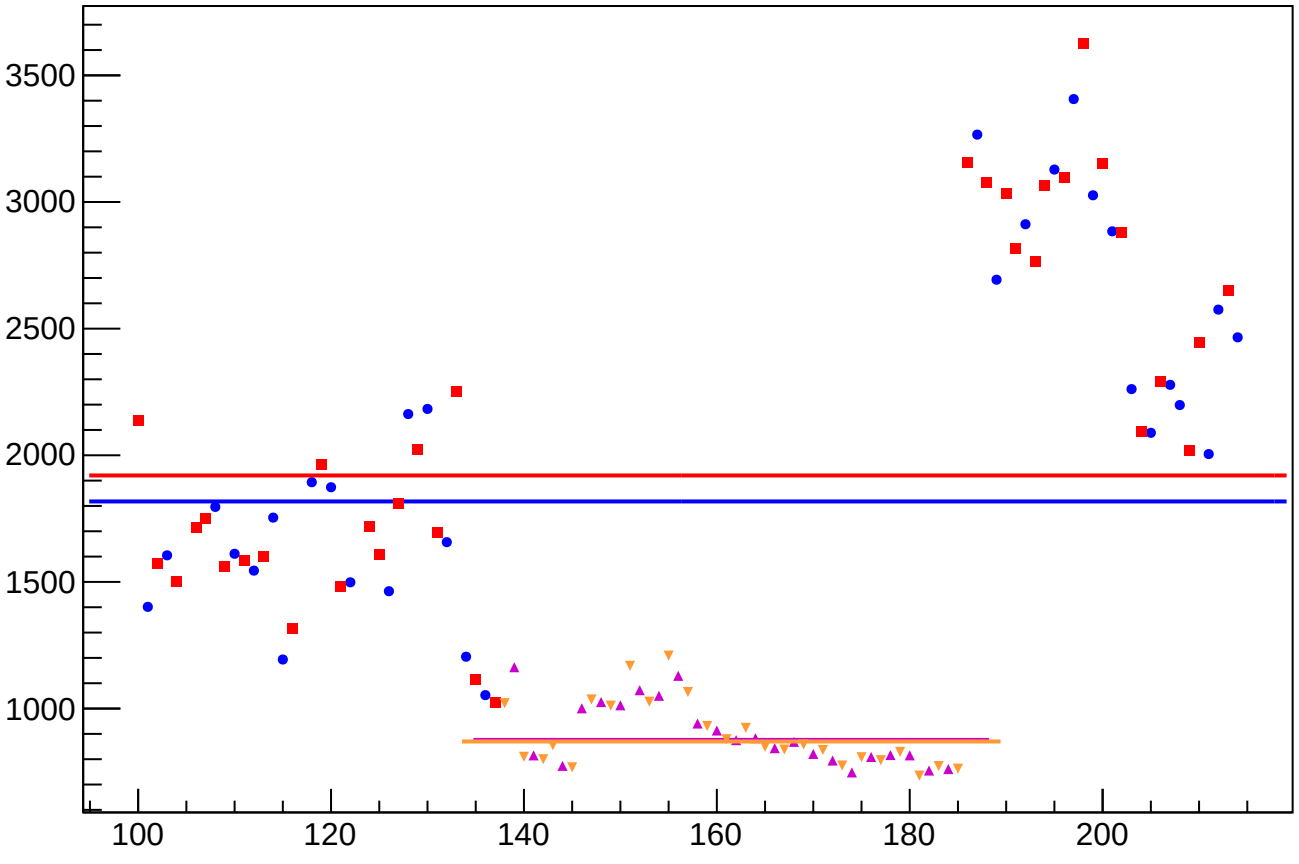
Right Out: -1406.835+/-464.419 χ^2/NDF: 27.5/33

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -944.353+/-182.606 χ^2/NDF: 99.6/54

All: -626.676+/-131.265 χ^2/NDF: 171.0/111

- sign -286.997+/-188.823 χ^2/NDF: 65.2/56



Right In: 1817.733+/-0.318 χ^2/NDF: 3649687.6/29

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1920.351+/-0.328 χ^2/NDF: 3675530.3/33

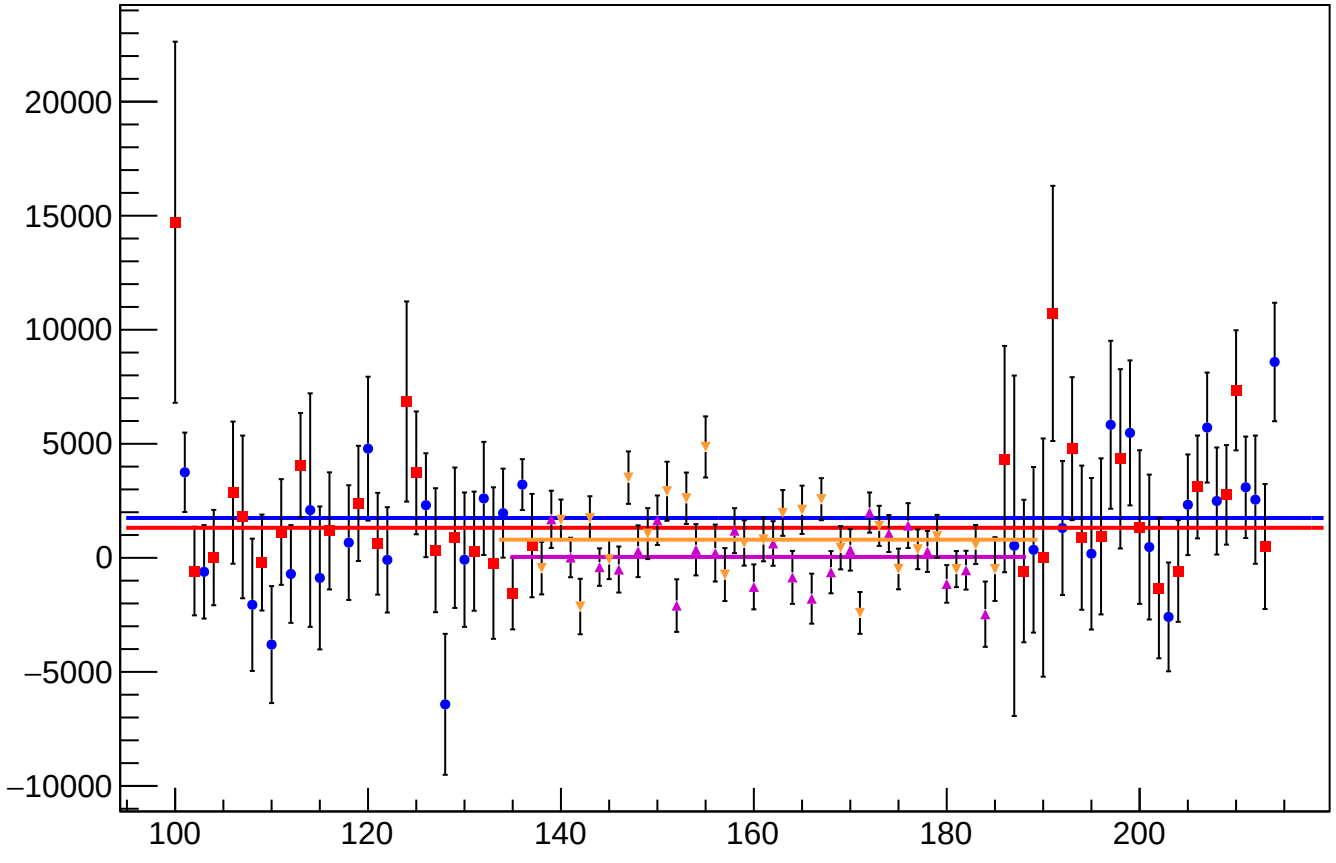
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1026.511+/-0.129 χ^2/NDF: 11724137.1/54

All: 1037.314+/-0.093 χ^2/NDF: 24448653.6/1

- sign 1048.866+/-0.134 χ^2/NDF: 12710031.0/56

asym_sam_24_68_dd_mean vs Slug



Right In: 1747.763+/-444.158 χ^2/NDF: 38.9/29

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1317.949+/-460.423 χ^2/NDF: 26.5/33

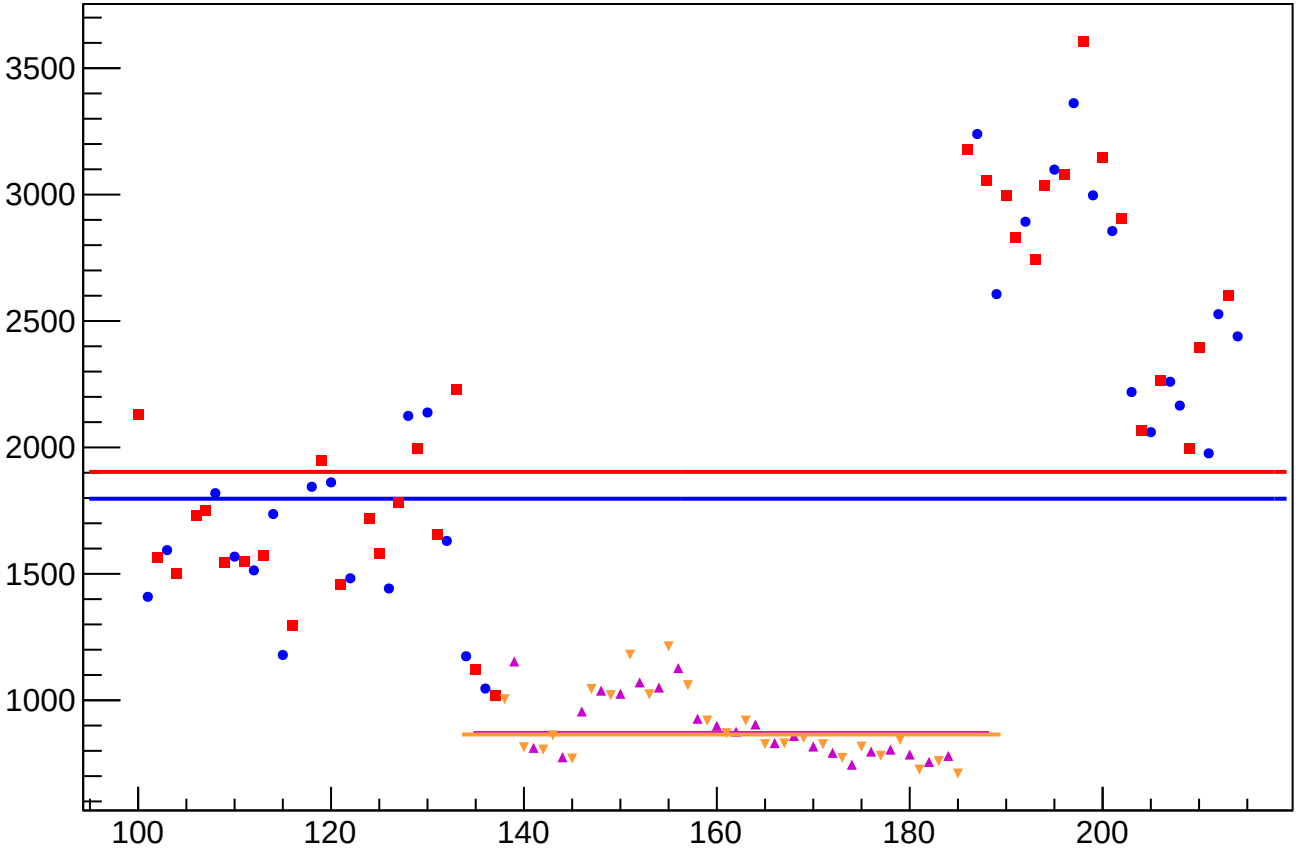
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 955.091+/-181.455 χ^2/NDF: 99.9/54

All: 615.053+/-130.407 χ^2/NDF: 169.8/111

- sign 251.818+/-187.542 χ^2/NDF: 62.6/56

asym_sam_24_68_dd_rms vs Slug



Right In: 1797.128+/-0.314 χ^2/NDF: 3615503.9/29

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

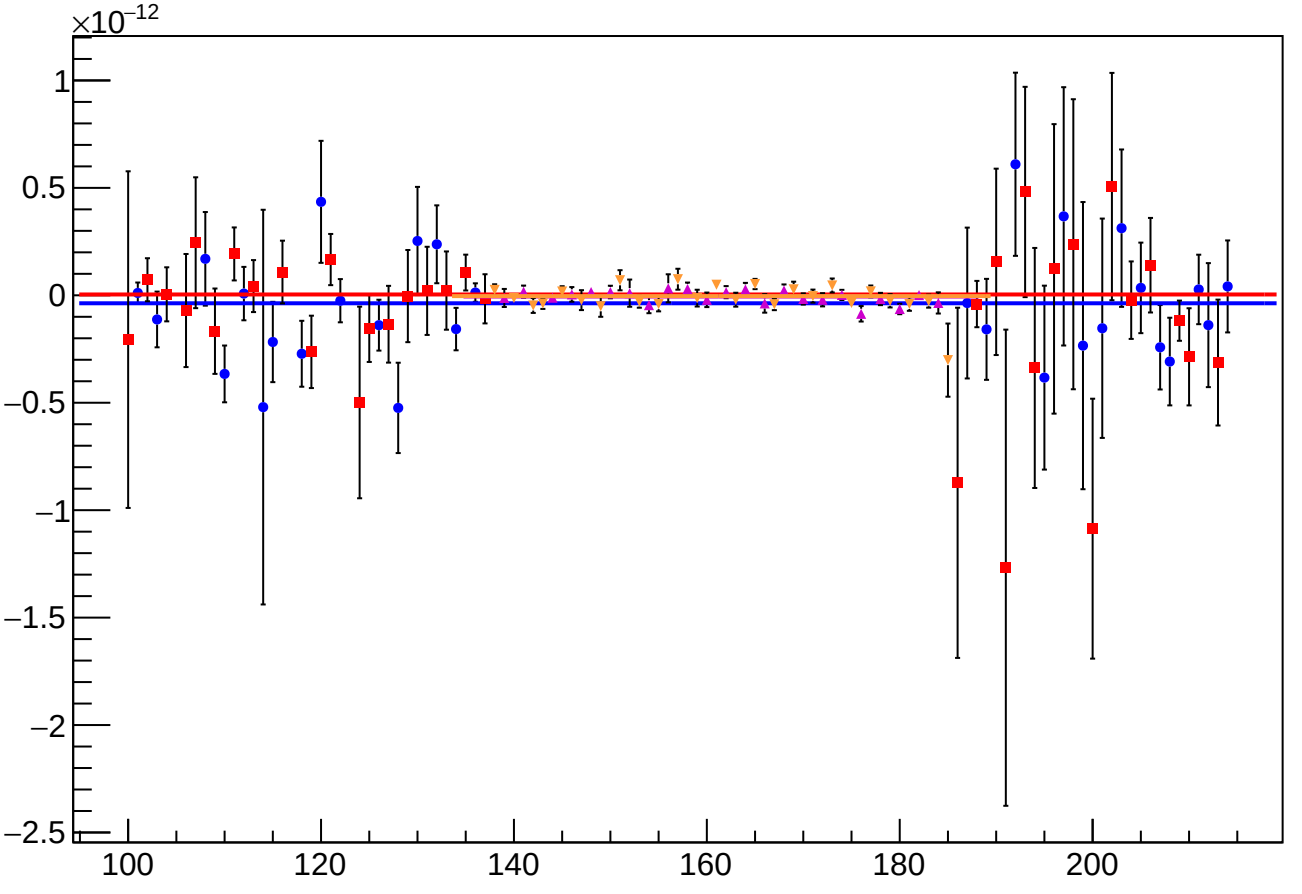
Right Out: 1903.386+/-0.326 χ^2/NDF: 3672531.0/33

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1020.272+/-0.128 χ^2/NDF: 11648590.8/54

All: 1030.653+/-0.092 χ^2/NDF: 24336884.8/1

- sign 1041.742+/-0.133 χ^2/NDF: 12674755.6/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/29

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/33

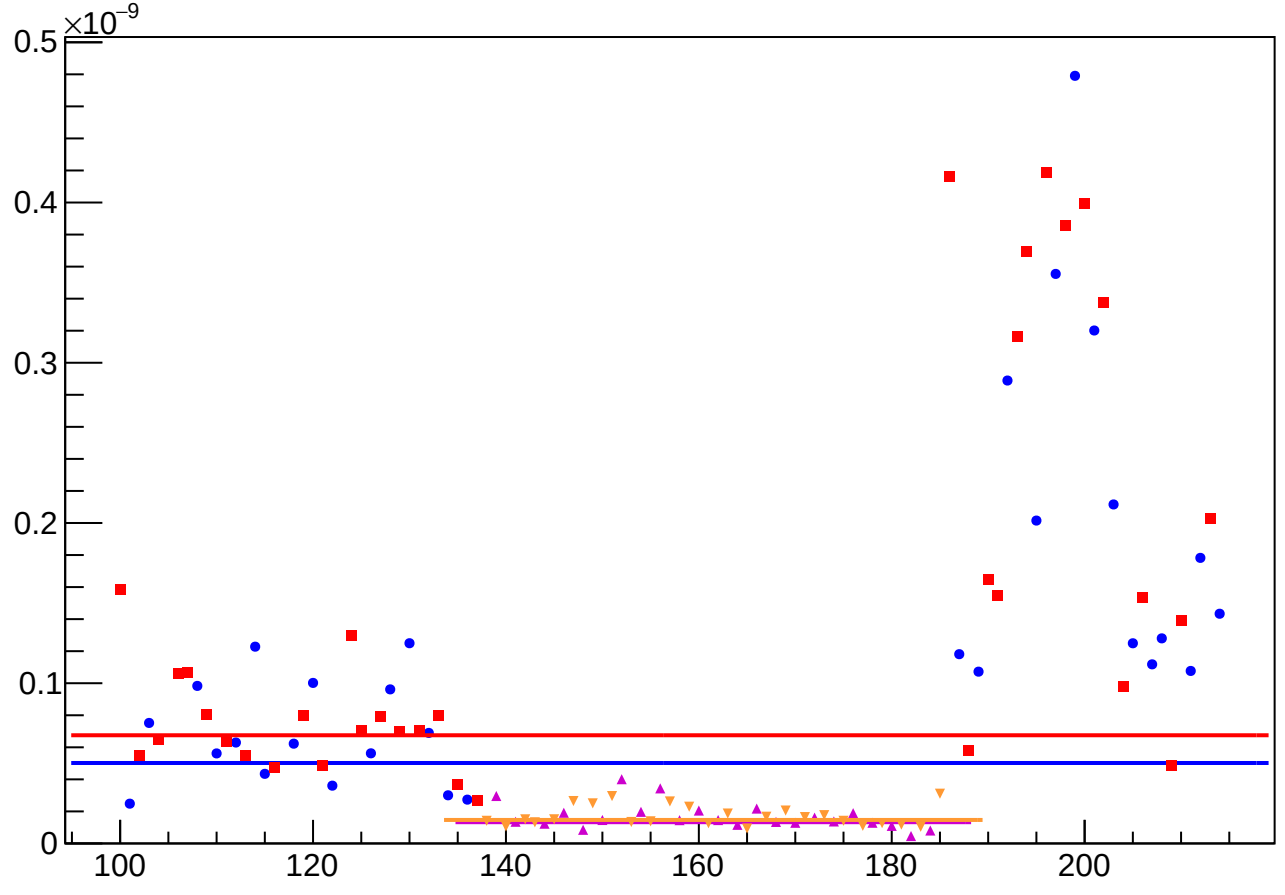
Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.1/54

All: -0.000+/-0.000 χ^2/NDF: 124.0/111

- sign -0.000+/-0.000 χ^2/NDF: 47.8/56

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6940263.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5631792.4/33

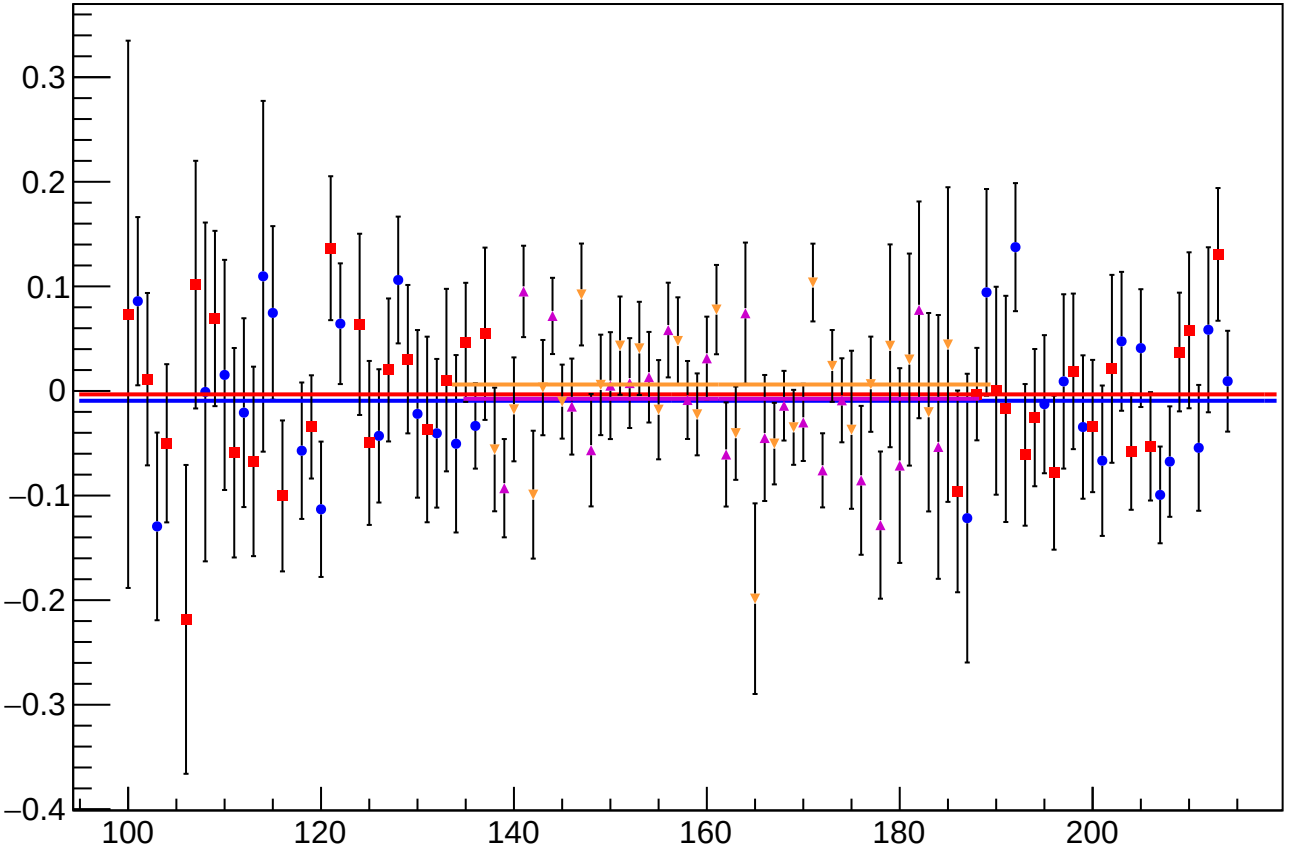
Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12271234.7/54

All: 0.000+/-0.000 χ^2/NDF: 26613463.4/111

- sign 0.000+/-0.000 χ^2/NDF: 14290346.0/56

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.012 χ^2/NDF: 30.6/29

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.003+/-0.012 χ^2/NDF: 24.8/33

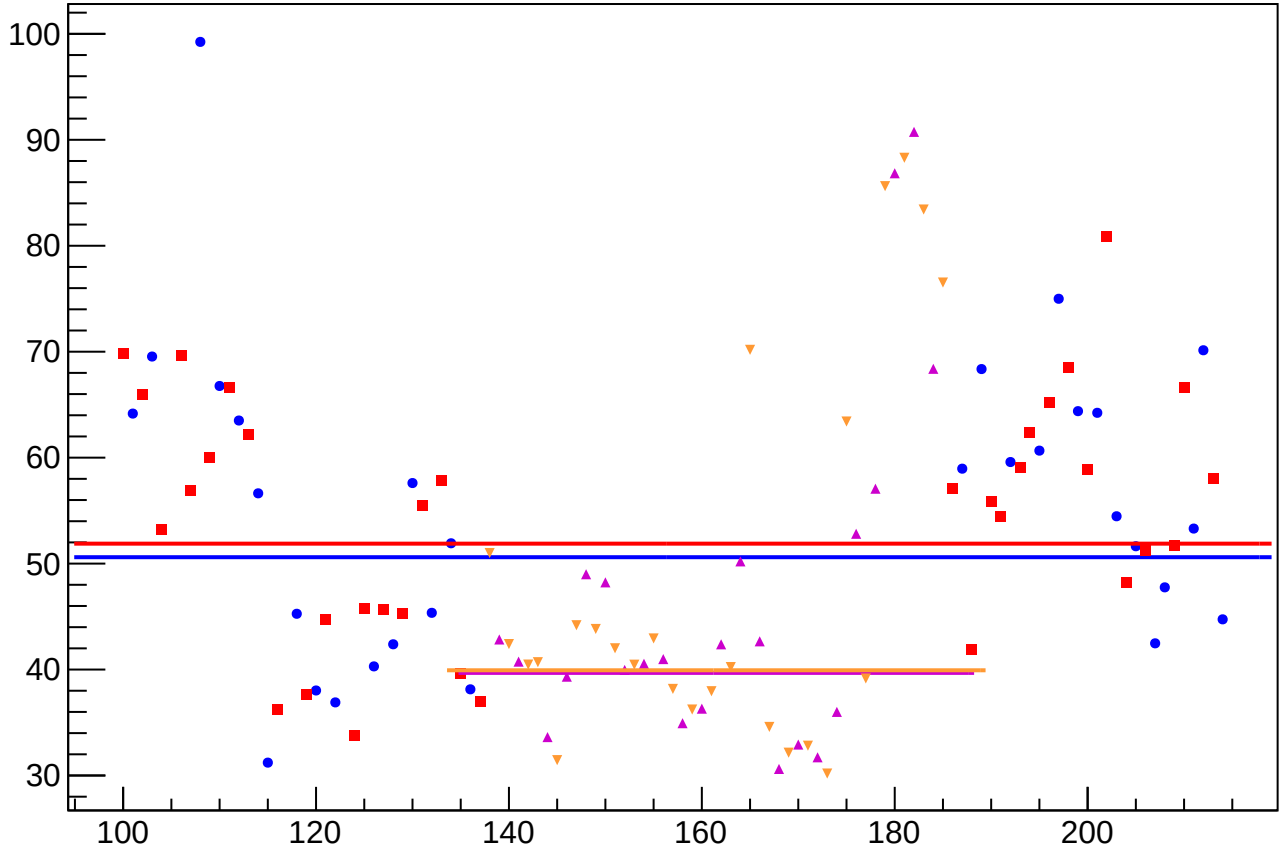
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 62.4/54

All: -0.003+/-0.005 χ^2/NDF: 118.0/111

- sign -0.006+/-0.008 χ^2/NDF: 55.3/56

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 50.604+/-0.009 χ^2/NDF: 1743044.0/29

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

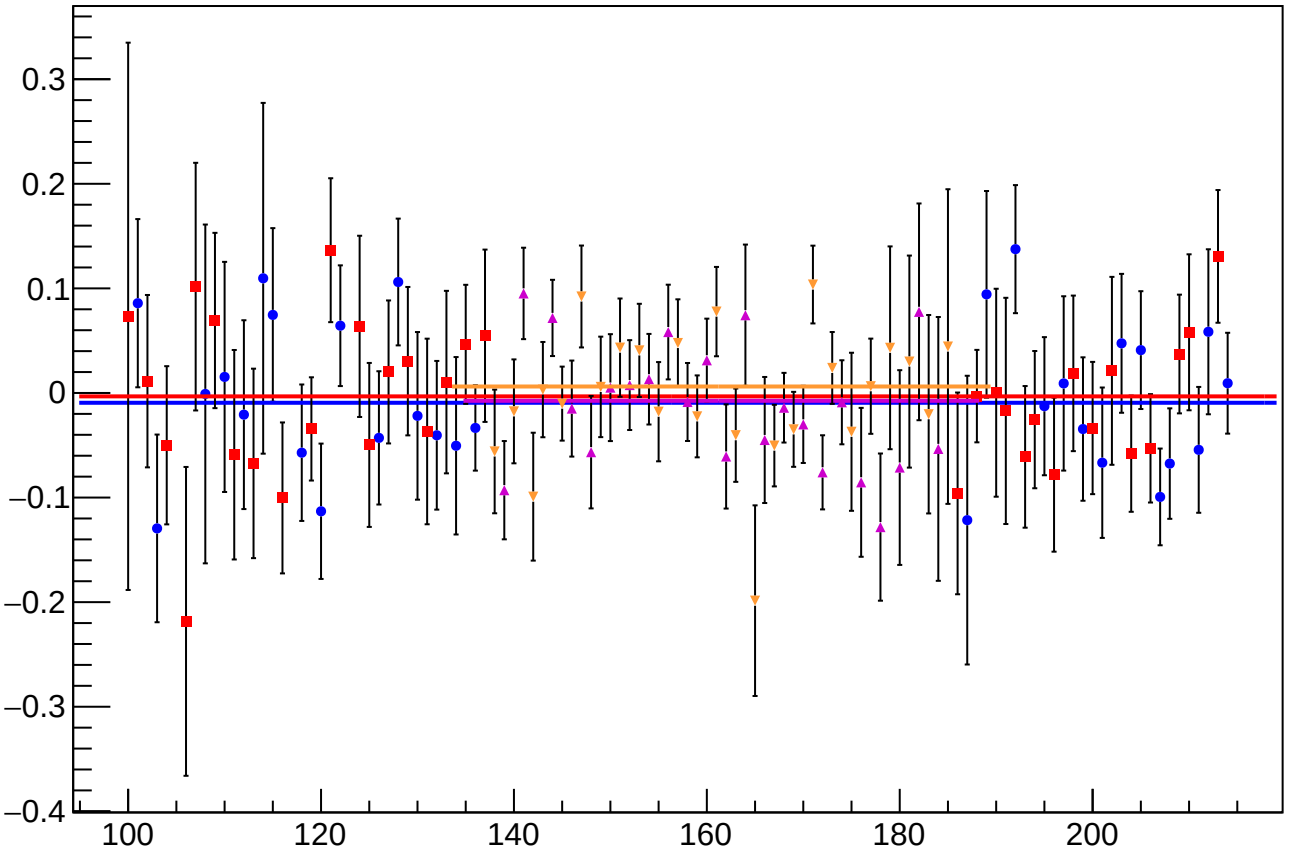
Right Out: 51.883+/-0.009 χ^2/NDF: 1463541.9/33

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.924+/-0.005 χ^2/NDF: 5149079.5/54

All: 44.135+/-0.004 χ^2/NDF: 9723071.7/111

- sign 44.352+/-0.005 χ^2/NDF: 4570834.4/56



Right In: -0.009+/-0.012 χ^2/NDF: 30.6/29

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

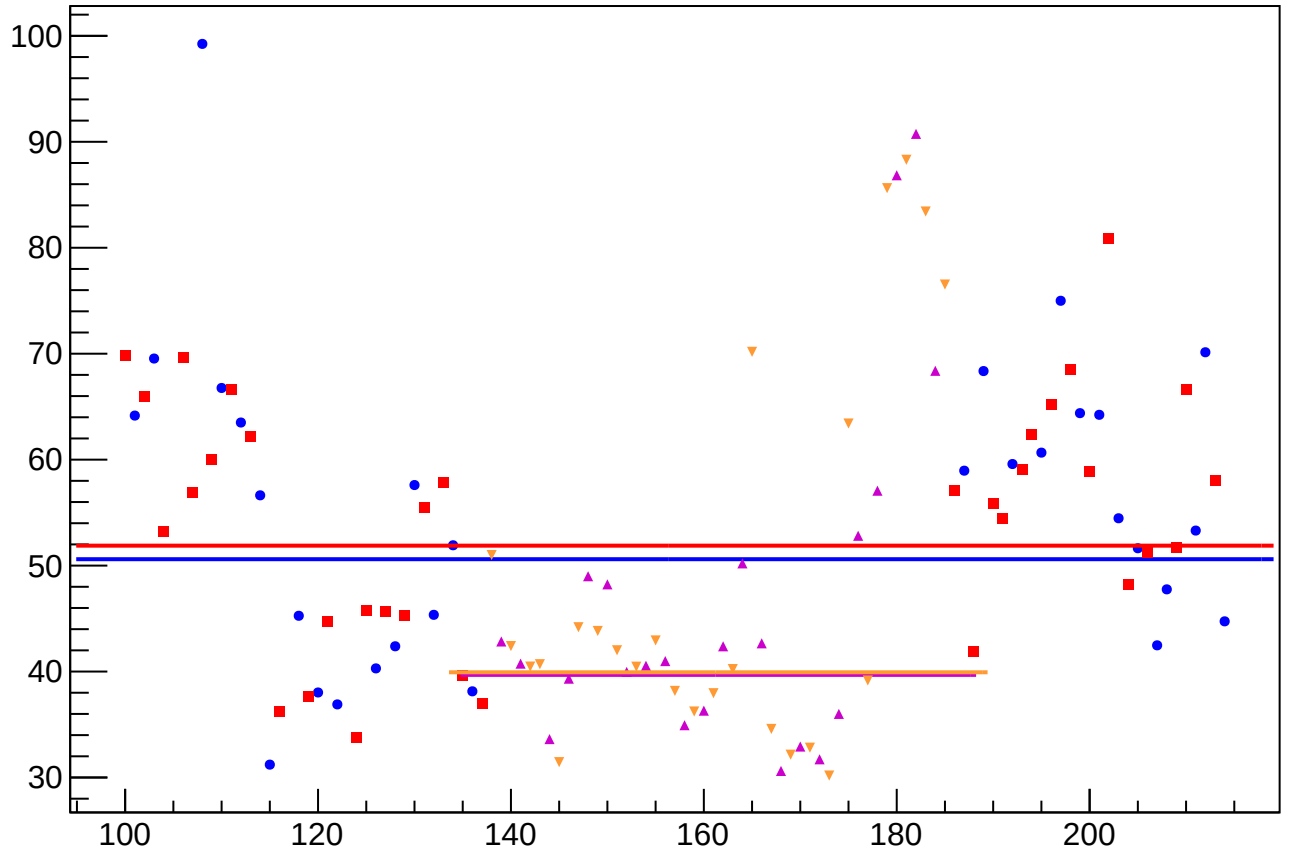
Right Out: -0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 62.4/54

All: -0.003+/-0.005 χ^2/NDF: 118.0/111

- sign -0.006+/-0.008 χ^2/NDF: 55.3/56



Right In: 50.604+/-0.009 χ^2/NDF: 1743044.0/29

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

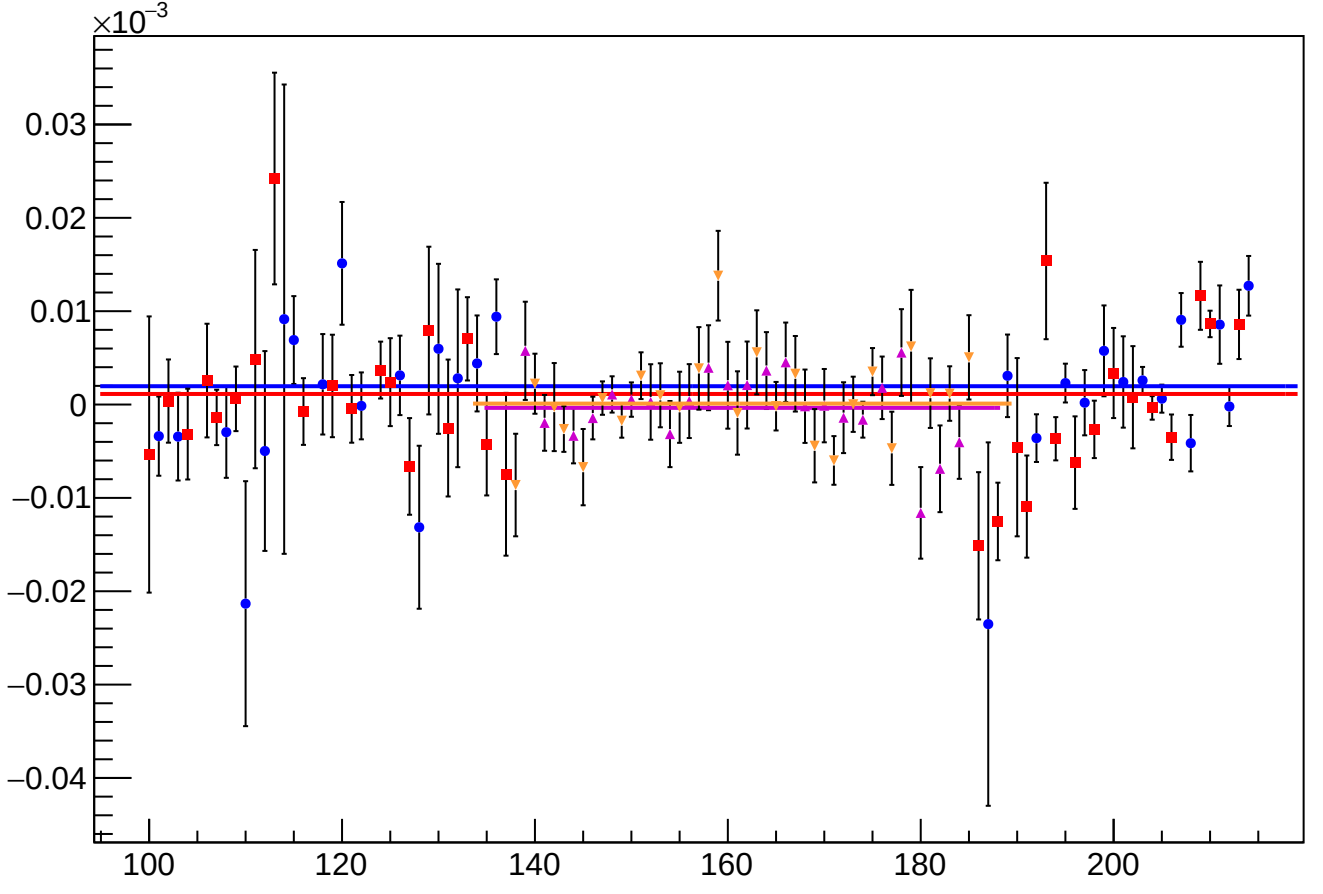
Right Out: 51.883+/-0.009 χ^2/NDF: 1463541.9/33

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.924+/-0.005 χ^2/NDF: 5149079.5/54

All: 44.135+/-0.004 χ^2/NDF: 9723071.7/111

- sign 44.352+/-0.005 χ^2/NDF: 4570834.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 53.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

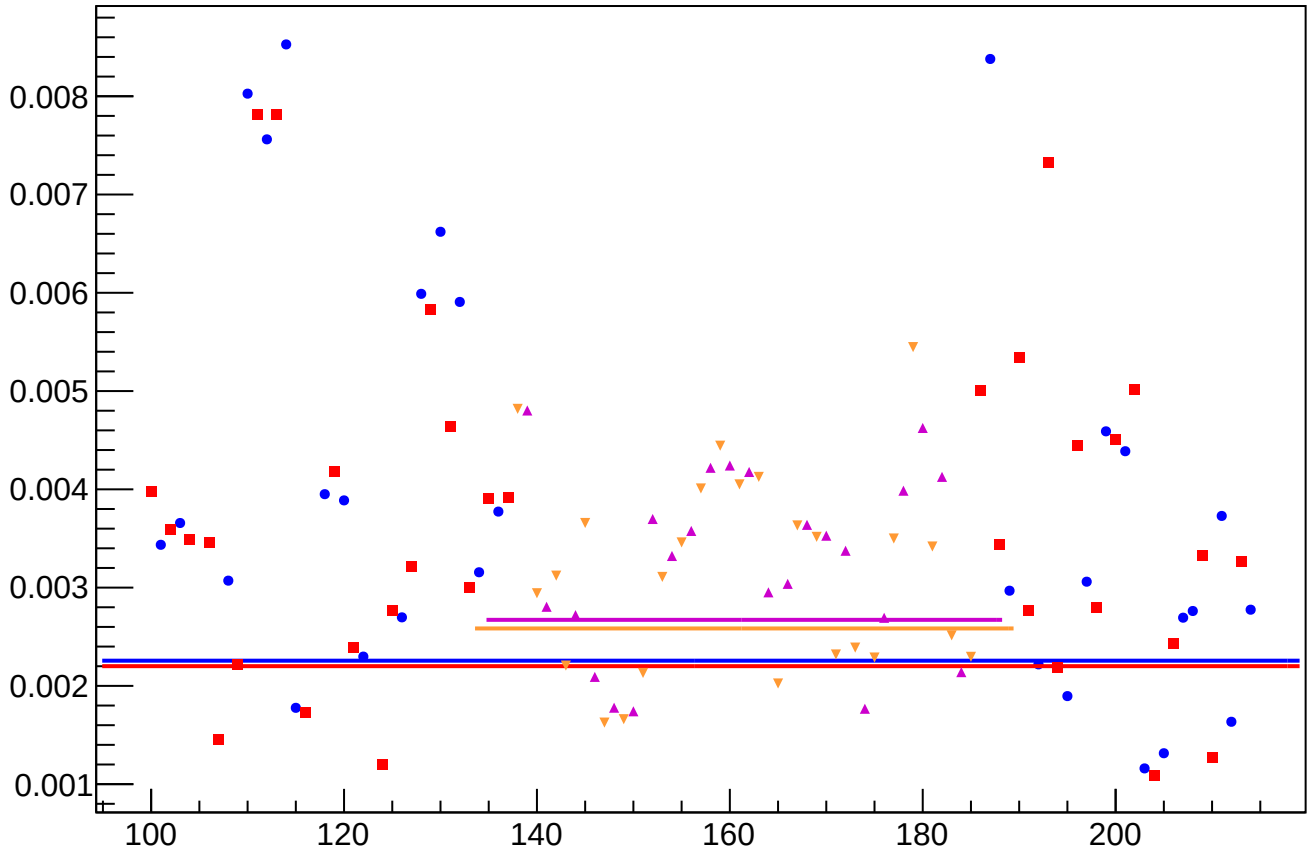
Right Out: 0.000+/-0.000 χ^2/NDF: 90.9/33

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.2/54

All: 0.000+/-0.000 χ^2/NDF: 204.4/111

- sign 0.000+/-0.000 χ^2/NDF: 112.3/56



Right In: 0.002+/-0.000 χ^2/NDF: 6993662.9/29

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

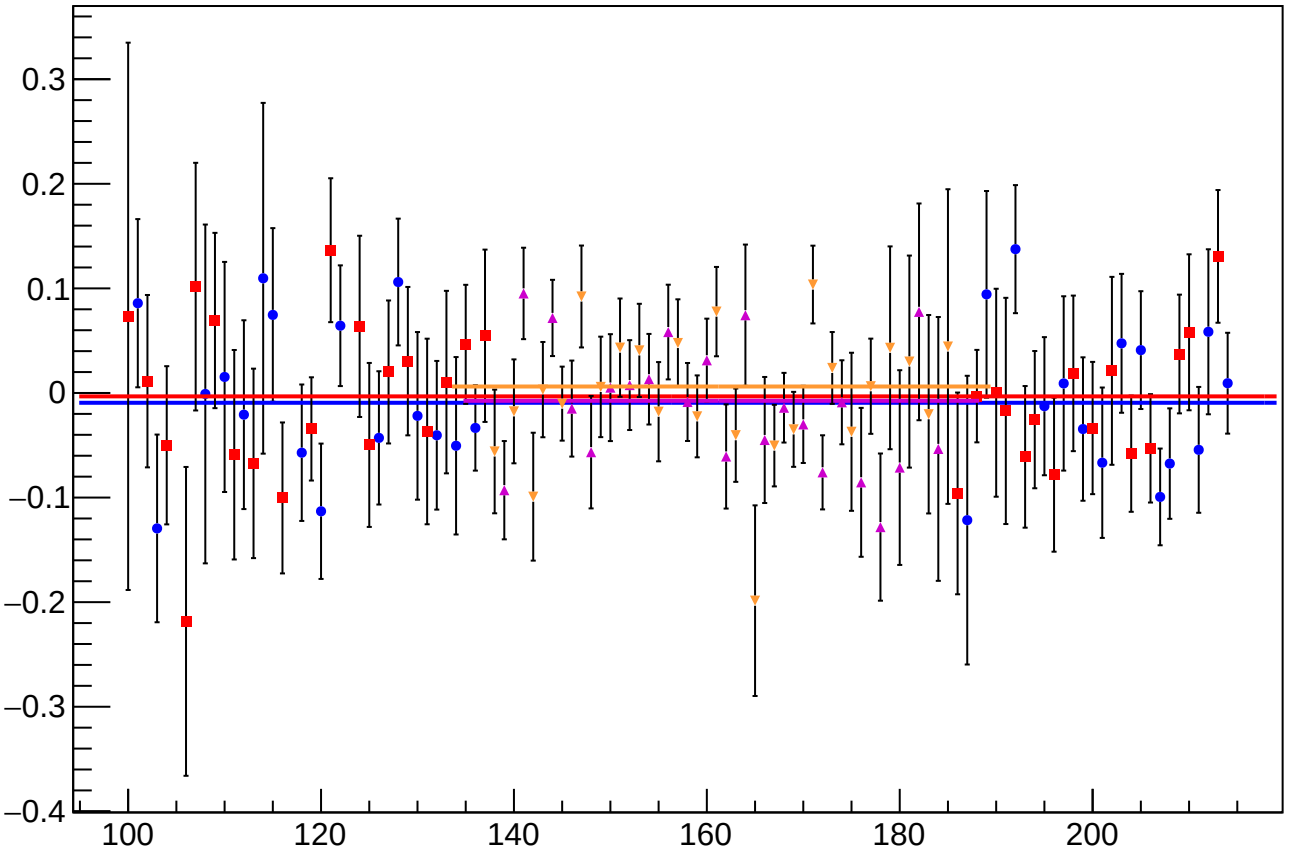
Right Out: 0.002+/-0.000 χ^2/NDF: 8735054.5/33

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11166941.9/54

All: 0.002+/-0.000 χ^2/NDF: 24282360.5/111

- sign 0.002+/-0.000 χ^2/NDF: 13115087.2/56



Right In: -0.009+/-0.012 χ^2/NDF: 30.6/29

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

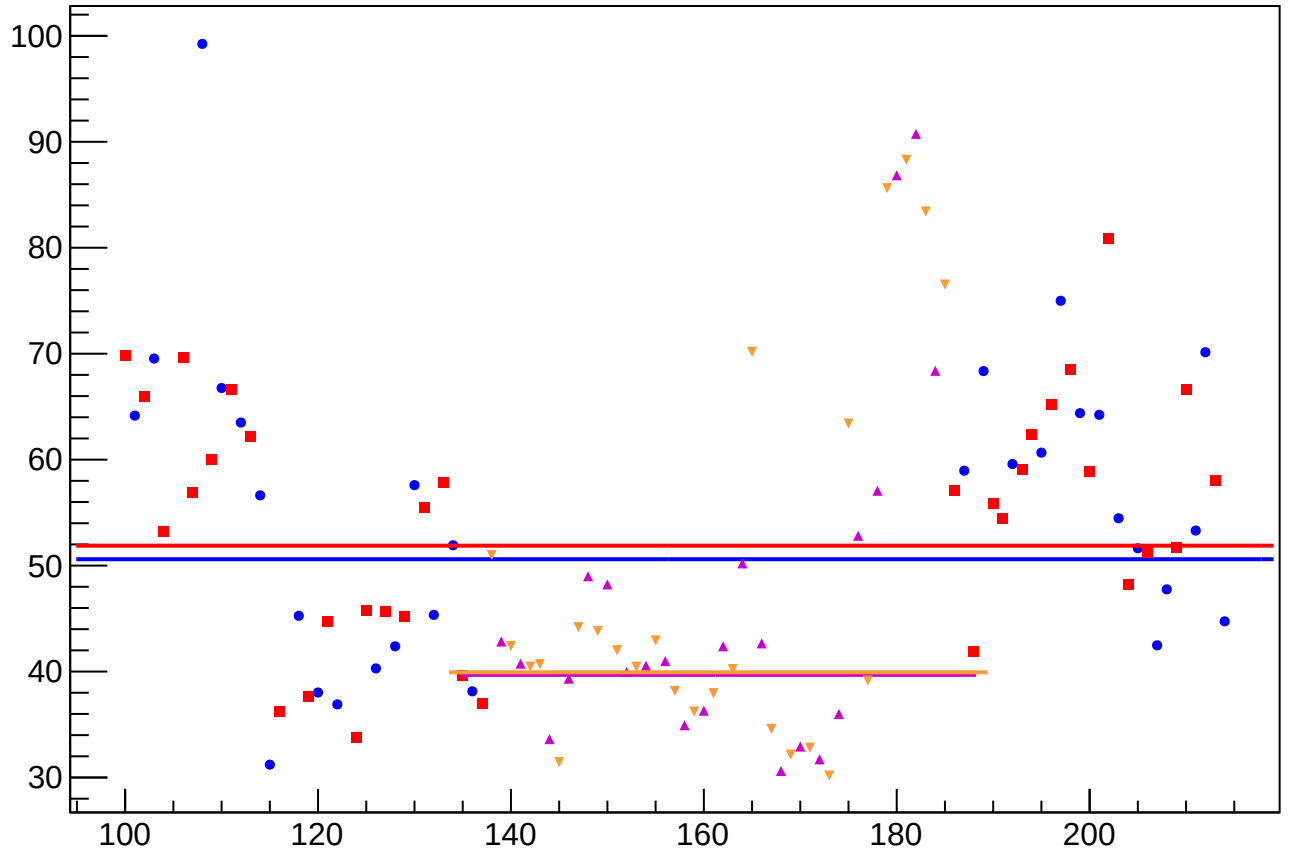
Right Out: -0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 62.4/54

All: -0.003+/-0.005 χ^2/NDF: 118.0/111

- sign -0.006+/-0.008 χ^2/NDF: 55.3/56



Right In: 50.603+/-0.009 χ^2/NDF: 1743122.0/29

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

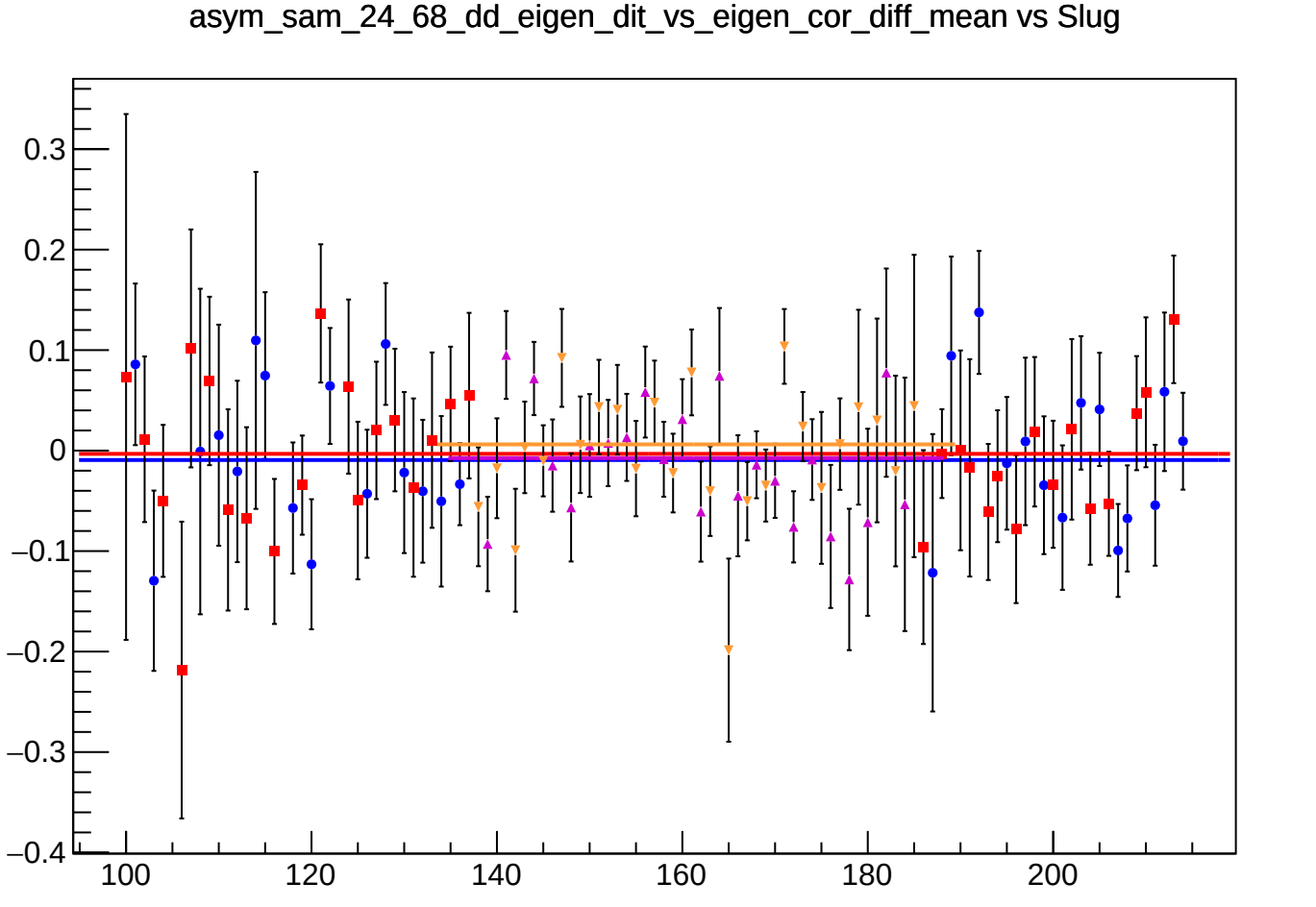
Right Out: 51.882+/-0.009 χ^2/NDF: 1463577.9/33

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.923+/-0.005 χ^2/NDF: 5149011.4/54

All: 44.135+/-0.004 χ^2/NDF: 9722997.7/111

- sign 44.352+/-0.005 χ^2/NDF: 4570829.7/56



Right In: -0.009+/-0.012 χ^2/NDF: 30.6/29

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

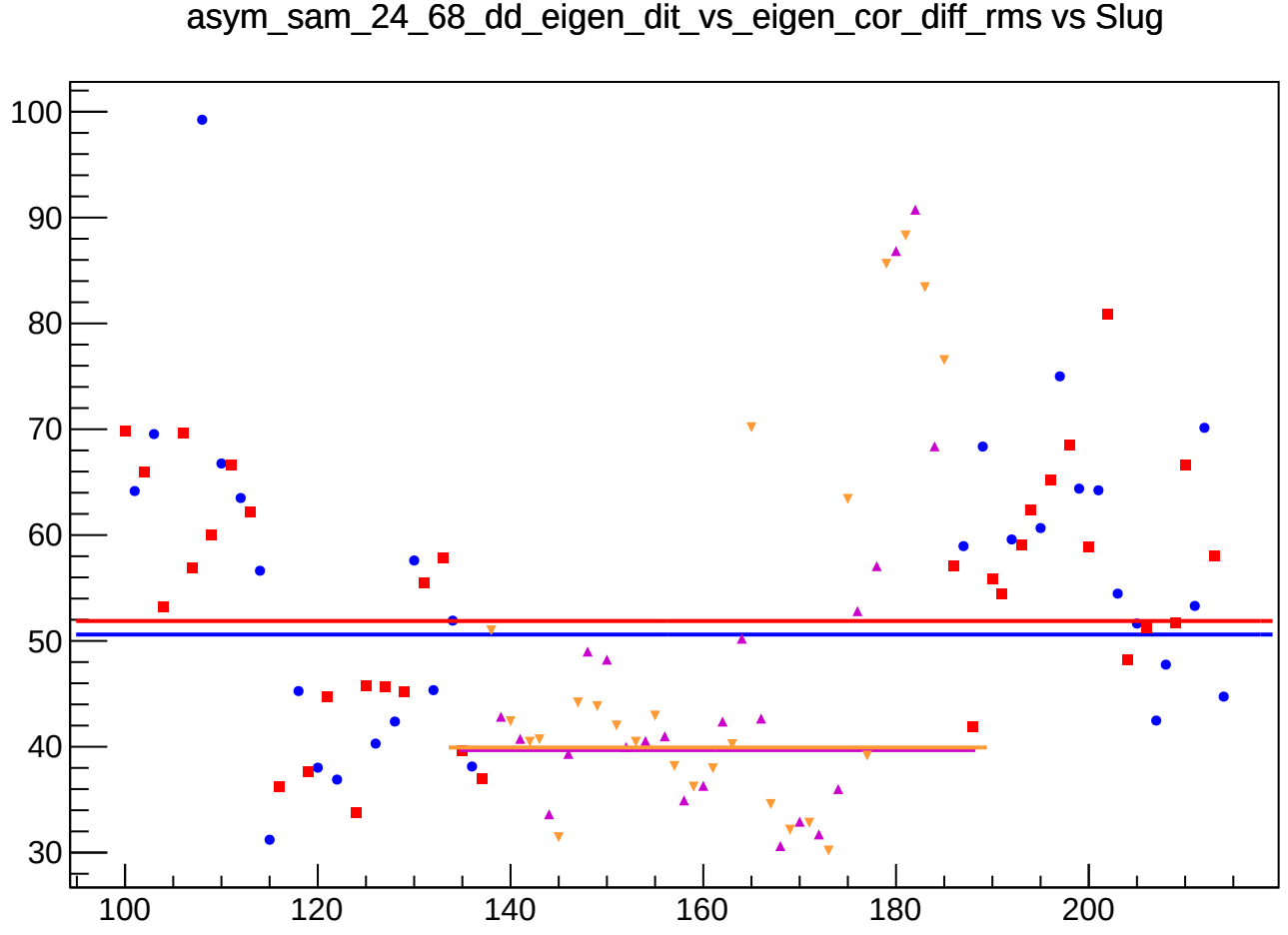
Right Out: -0.003+/-0.012 χ^2/NDF: 24.8/33

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.000+/-0.008 χ^2/NDF: 62.4/54

All: -0.003+/-0.005 χ^2/NDF: 118.0/111

- sign -0.006+/-0.008 χ^2/NDF: 55.3/56



Right In: 50.603+/-0.009 χ^2/NDF: 1743122.0/29

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

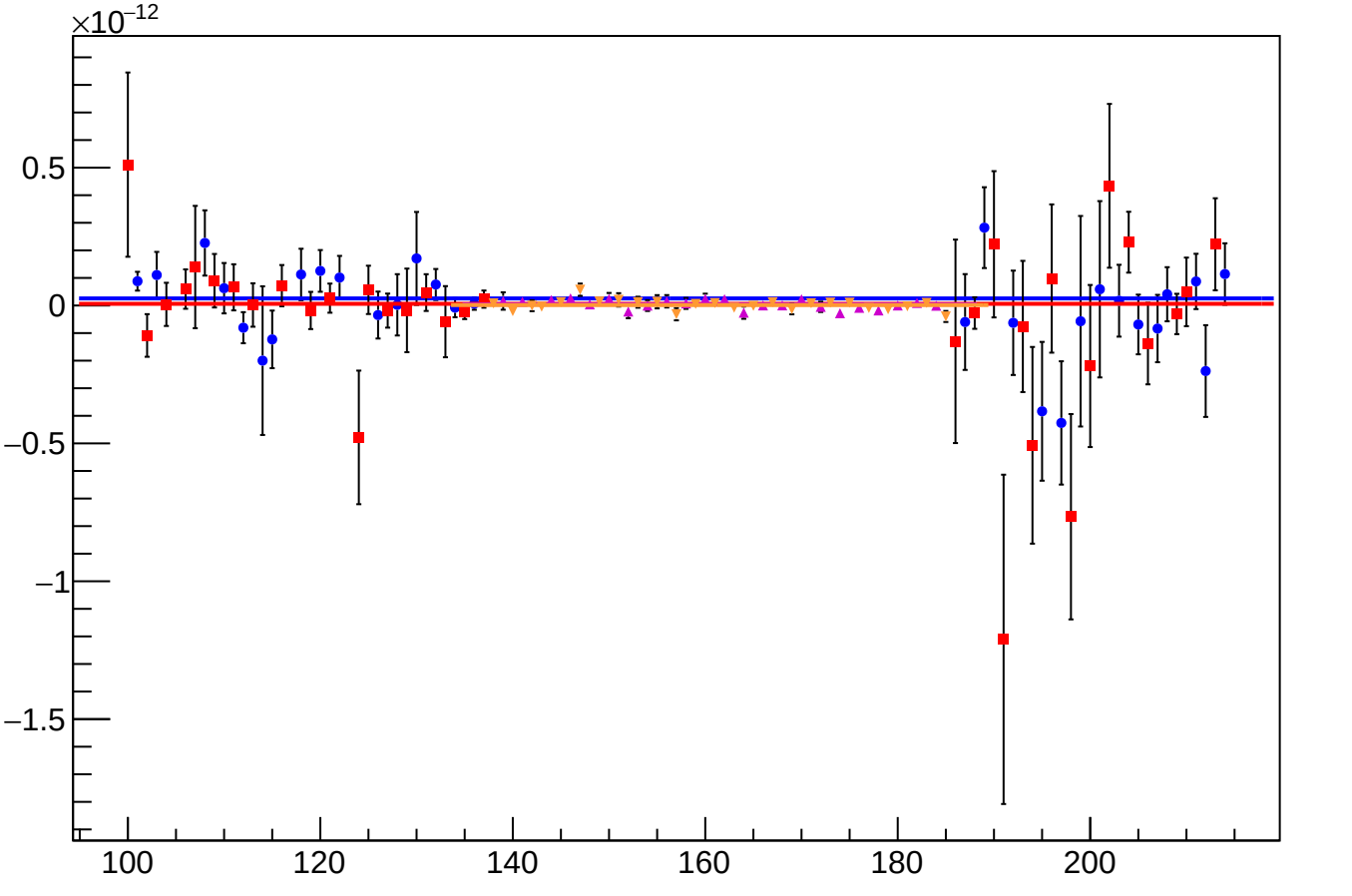
Right Out: 51.882+/-0.009 χ^2/NDF: 1463577.9/33

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.923+/-0.005 χ^2/NDF: 5149011.4/54

All: 44.135+/-0.004 χ^2/NDF: 9722997.7/111

- sign 44.352+/-0.005 χ^2/NDF: 4570829.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 36.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

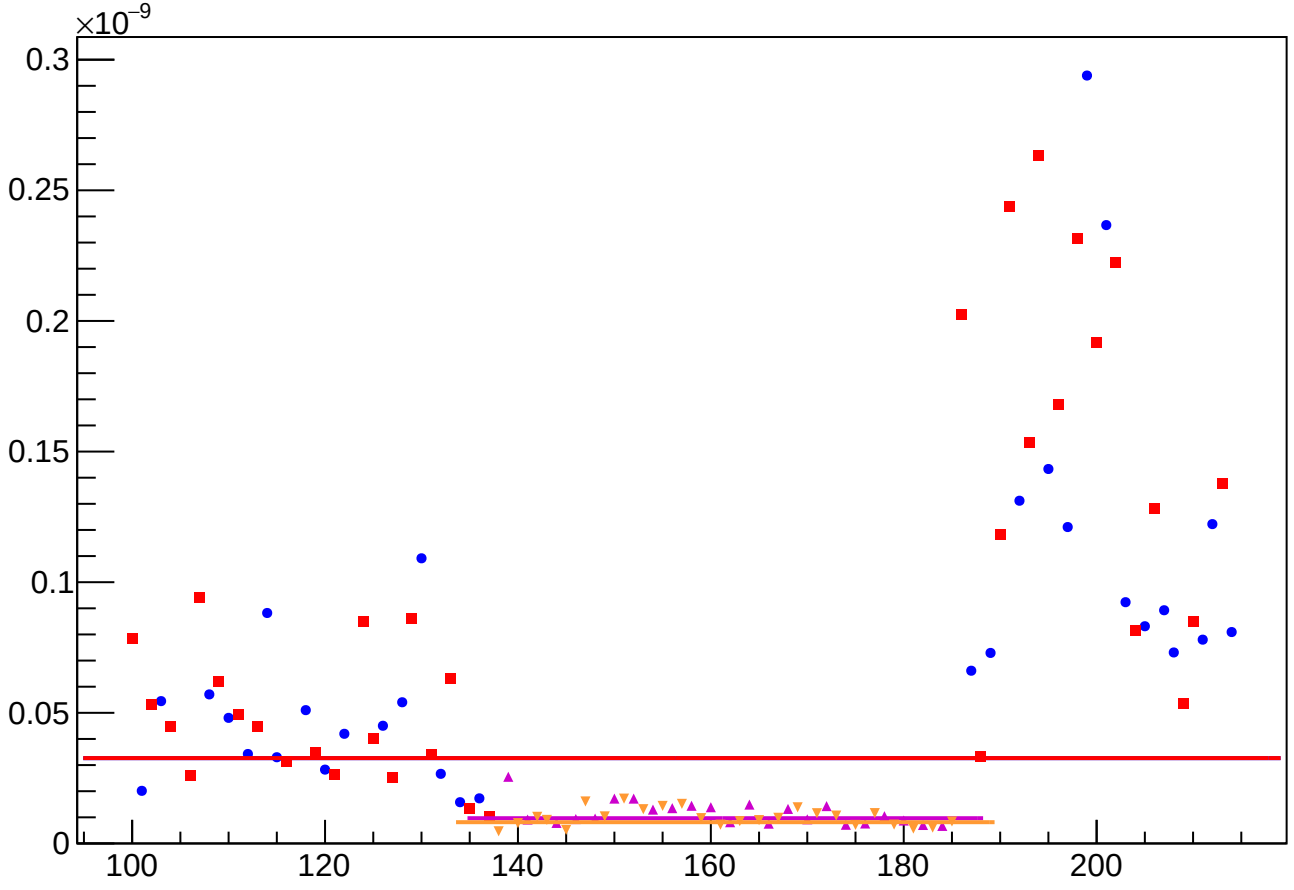
Right Out: 0.000+/-0.000 χ^2/NDF: 35.9/33

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.7/54

All: 0.000+/-0.000 χ^2/NDF: 131.3/111

- sign 0.000+/-0.000 χ^2/NDF: 63.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 8927189.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10513800.7/33

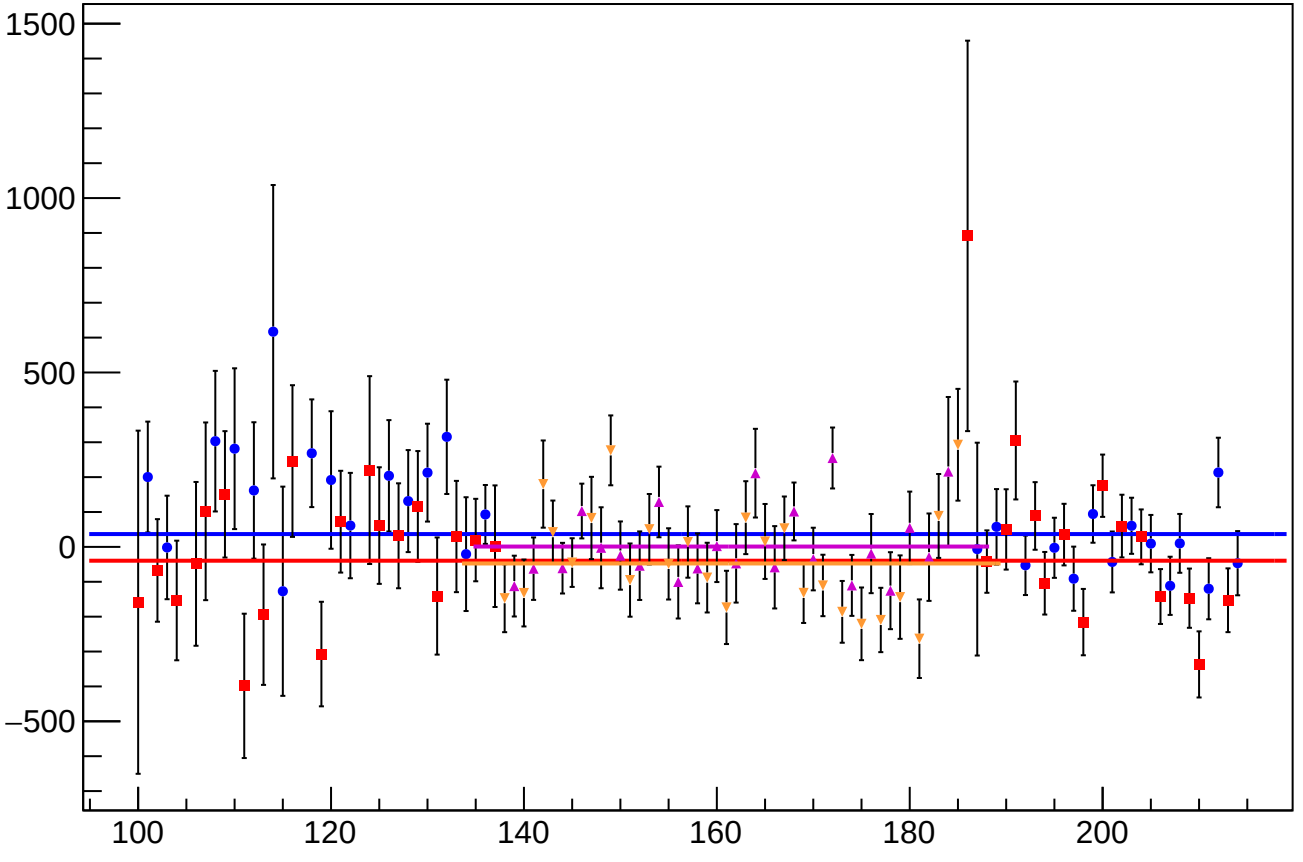
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 18389517.1/54

All: 0.000+/-0.000 χ^2/NDF: 37098498.7/111

- sign 0.000+/-0.000 χ^2/NDF: 18327231.7/56

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 36.767+/-20.690 χ^2/NDF: 31.3/29

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -39.601+/-20.979 χ^2/NDF: 50.8/33

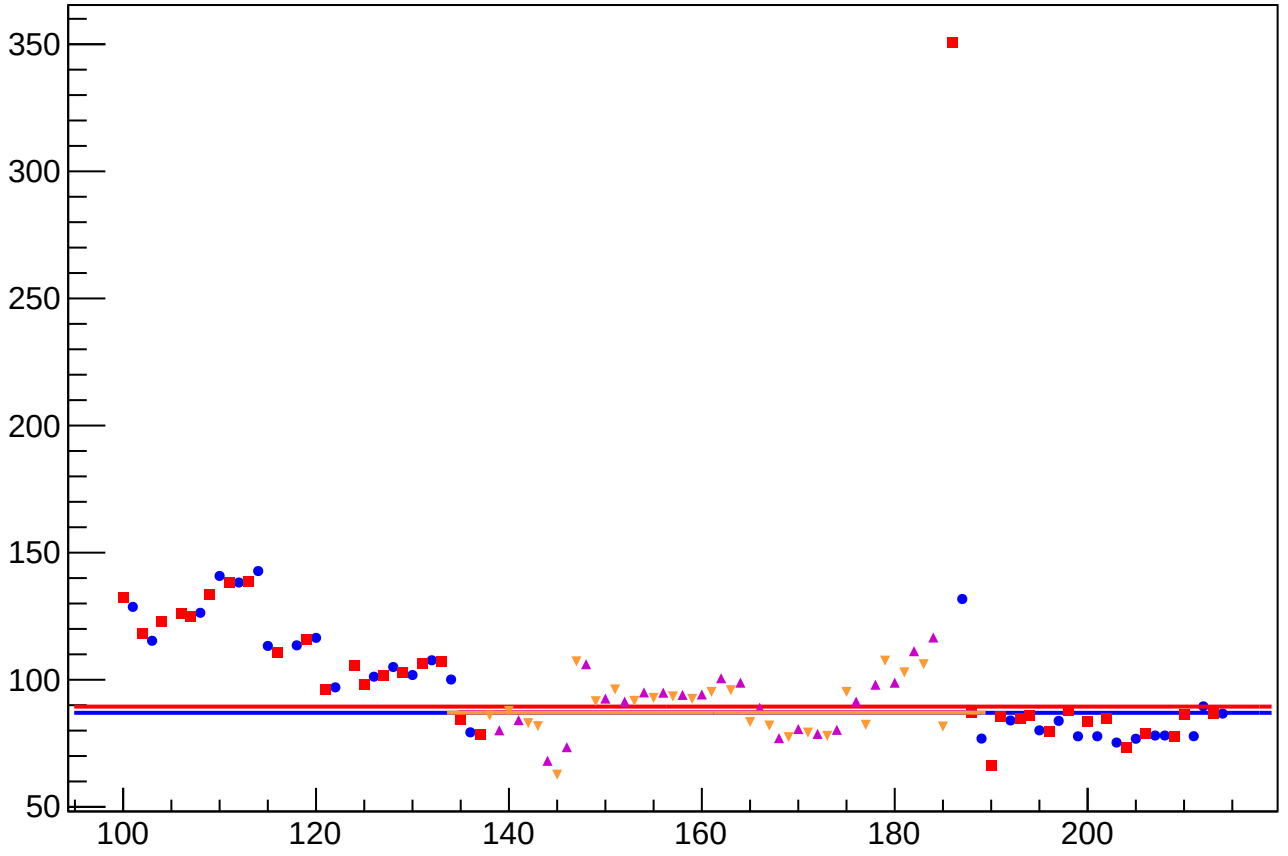
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -6.842+/-14.373 χ^2/NDF: 83.9/54

All: -12.756+/-10.277 χ^2/NDF: 162.4/111

- sign -18.941+/-14.700 χ^2/NDF: 78.2/56

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.003+/-0.015 χ^2/NDF: 1094286.4/29

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.442+/-0.015 χ^2/NDF: 1520437.4/33

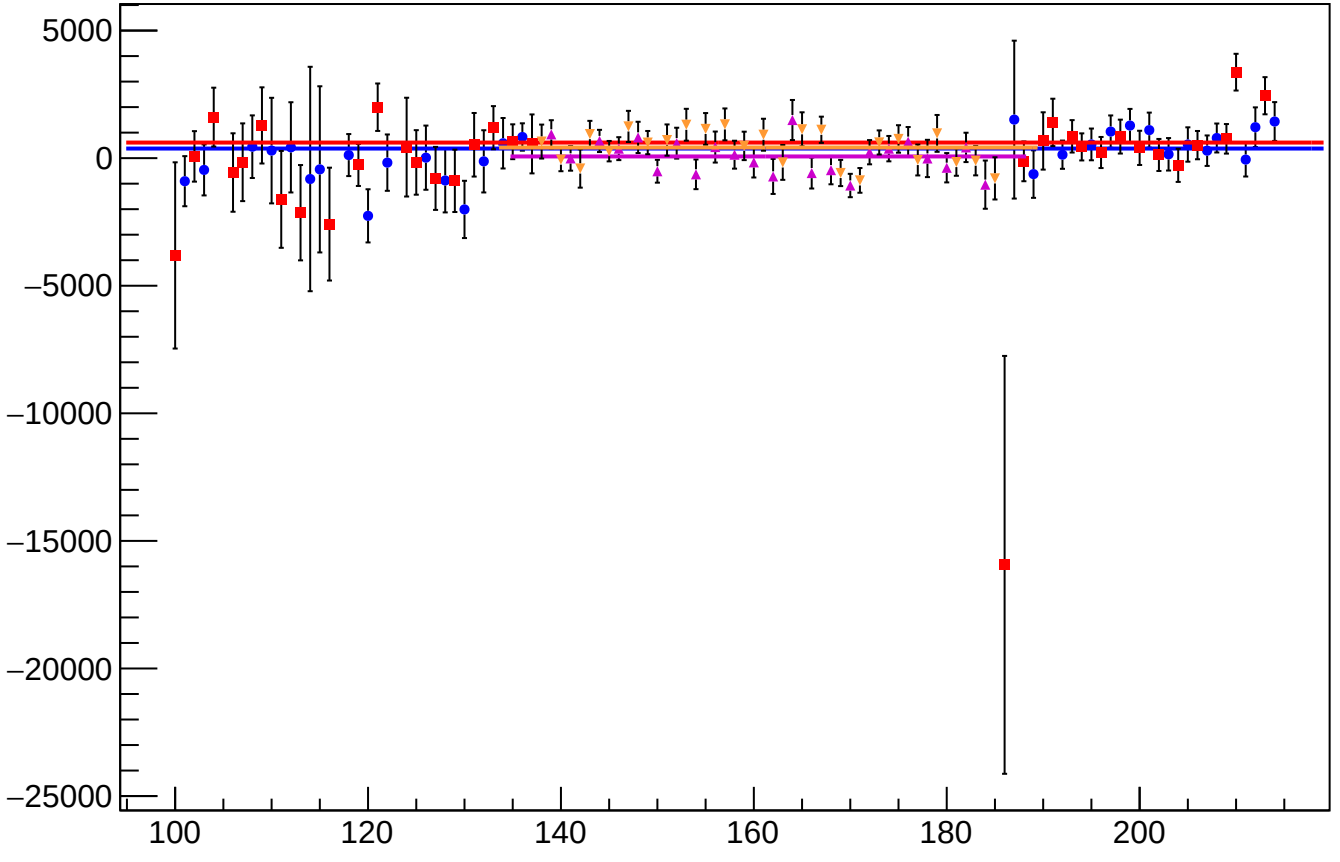
Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.039+/-0.010 χ^2/NDF: 1714924.2/54

All: 87.670+/-0.007 χ^2/NDF: 3850080.9/111

- sign 88.329+/-0.010 χ^2/NDF: 2127273.7/56

asym_sam_26_48_dd_reg_correction_mean vs Slug



Right In: 376.095+/-150.447 χ^2/NDF: 25.7/29

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 610.611+/-148.245 χ^2/NDF: 46.4/33

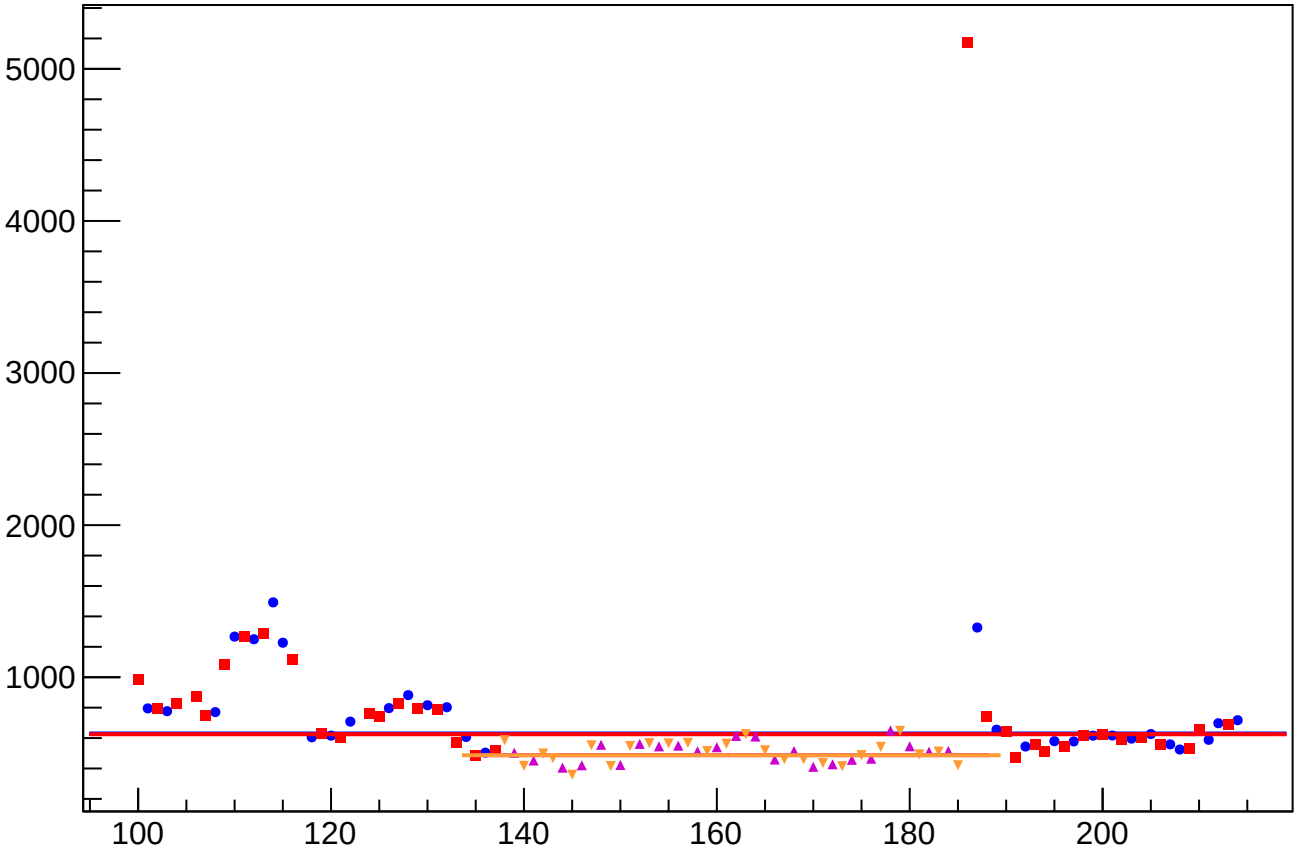
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 401.988+/-90.012 χ^2/NDF: 58.2/54

All: 337.733+/-64.019 χ^2/NDF: 141.6/111

- sign 271.957+/-91.071 χ^2/NDF: 82.3/56

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 629.890+/-0.106 χ^2/NDF: 1372493.5/29

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 625.166+/-0.105 χ^2/NDF: 2223467.0/33

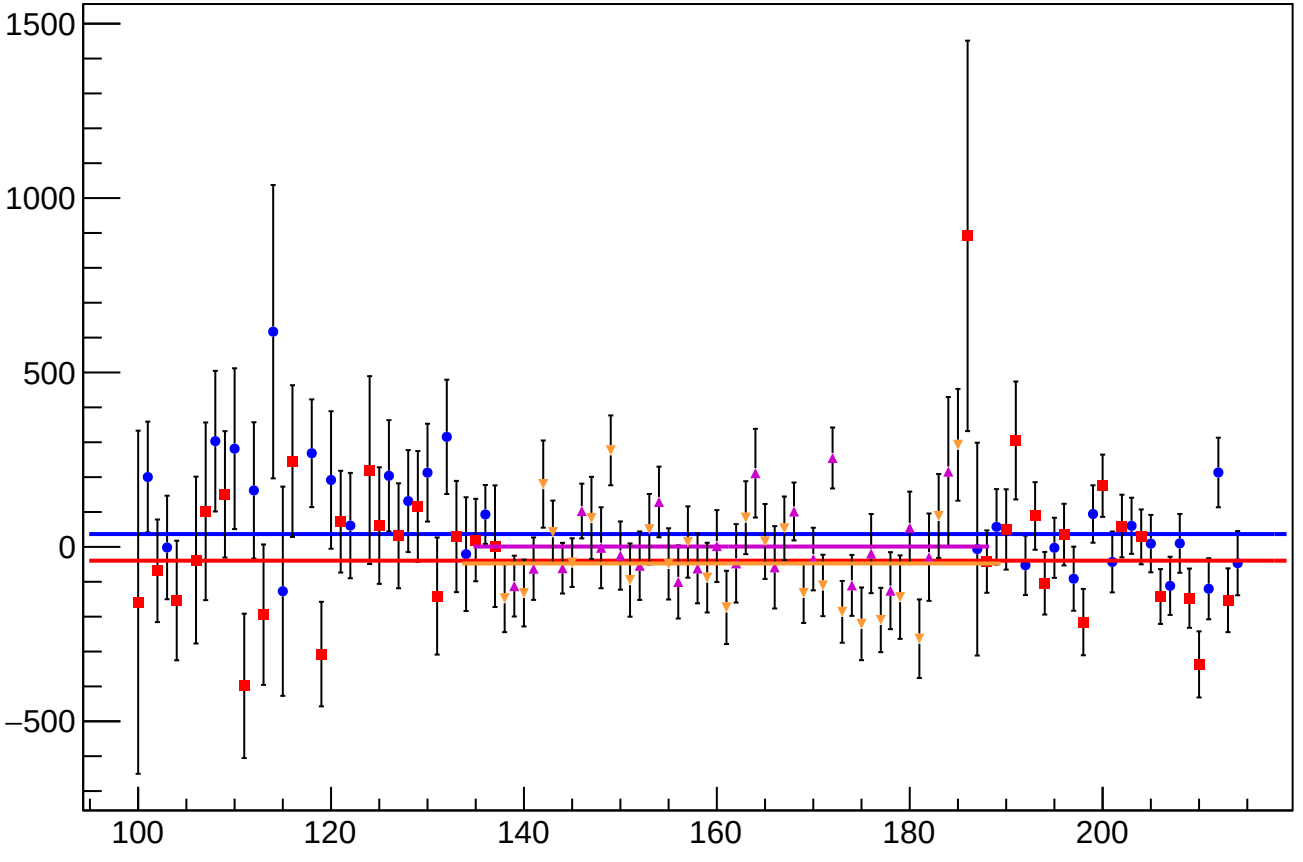
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 538.200+/-0.064 χ^2/NDF: 3350766.0/54

All: 538.953+/-0.045 χ^2/NDF: 7275908.0/11

- sign 539.723+/-0.064 χ^2/NDF: 3924859.1/56

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 36.760+/-20.690 χ^2/NDF: 31.3/29

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -39.534+/-20.982 χ^2/NDF: 50.8/33

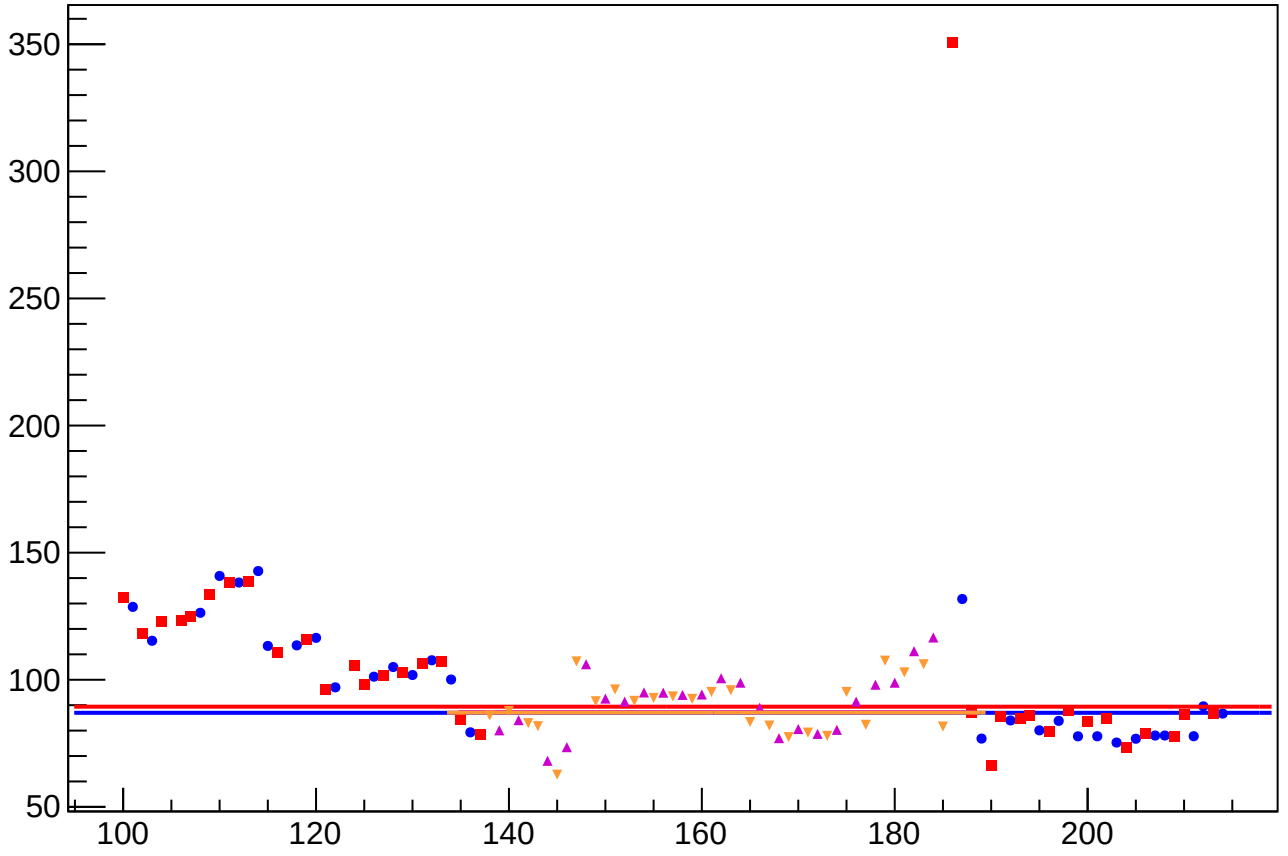
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.850+/-14.373 χ^2/NDF: 83.9/54

All: -12.741+/-10.277 χ^2/NDF: 162.4/111

- sign -18.904+/-14.701 χ^2/NDF: 78.2/56

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.003+/-0.015 χ^2/NDF: 1094286.7/29

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

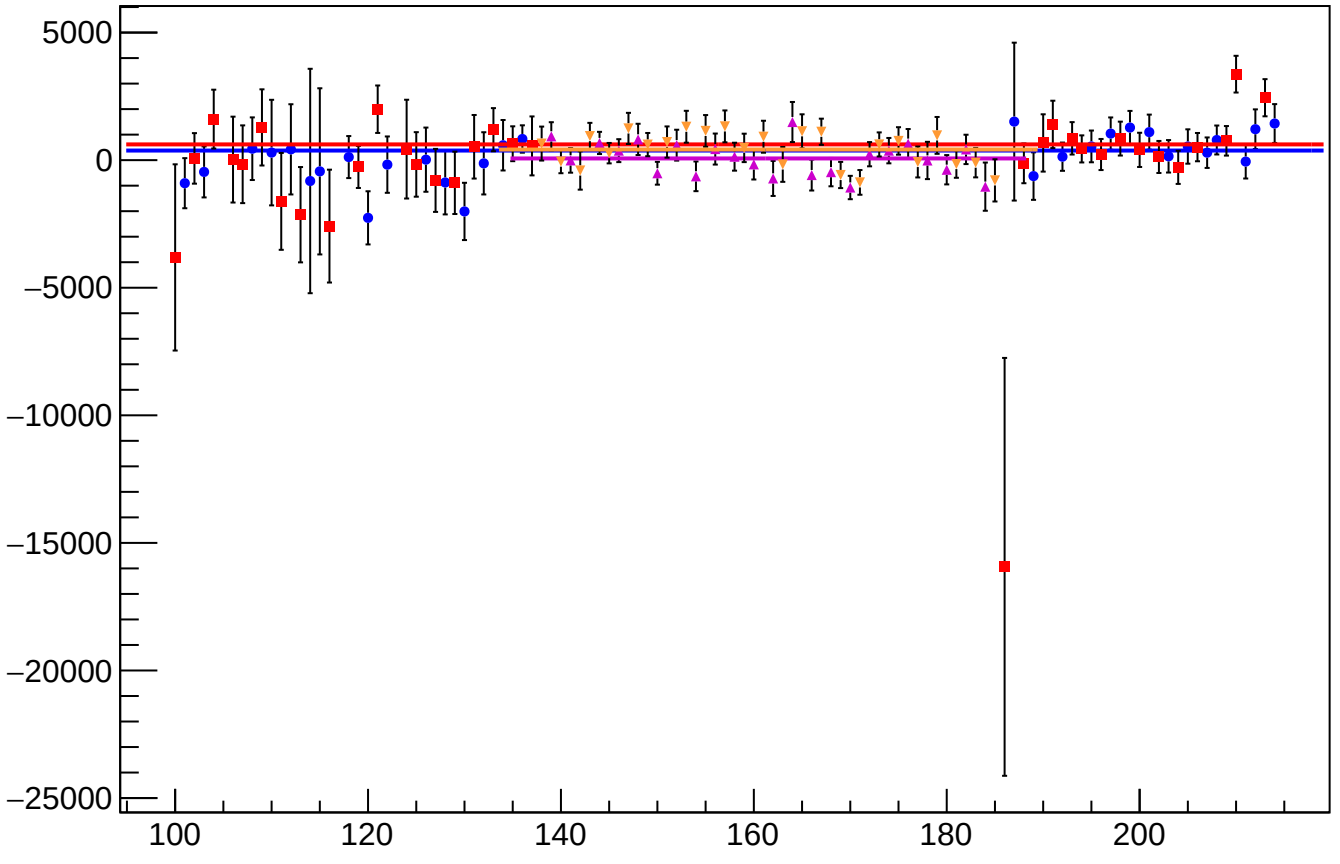
Right Out: 89.410+/-0.015 χ^2/NDF: 1511846.2/33

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.039+/-0.010 χ^2/NDF: 1714924.6/54

All: 87.662+/-0.007 χ^2/NDF: 3840973.7/111

- sign 88.313+/-0.010 χ^2/NDF: 2118359.5/56



Right In: 376.092+/-150.447 χ^2/NDF: 25.7/29

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 616.968+/-148.361 χ^2/NDF: 46.0/33

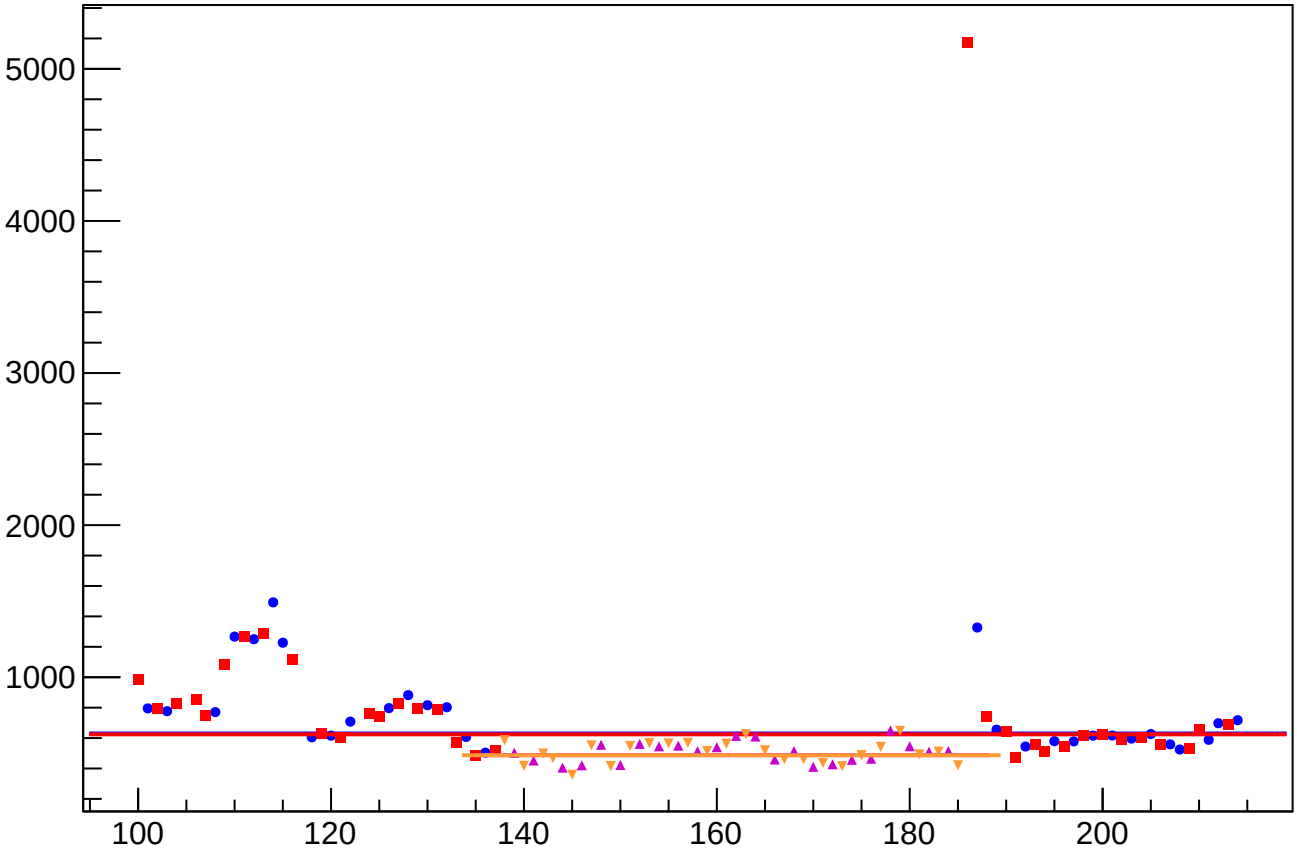
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 401.982+/-90.012 χ^2/NDF: 58.2/54

All: 338.834+/-64.029 χ^2/NDF: 141.3/111

- sign 274.153+/-91.098 χ^2/NDF: 82.1/56

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 629.890+/-0.106 χ^2/NDF: 1372505.5/29

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 624.630+/-0.105 χ^2/NDF: 2208155.2/33

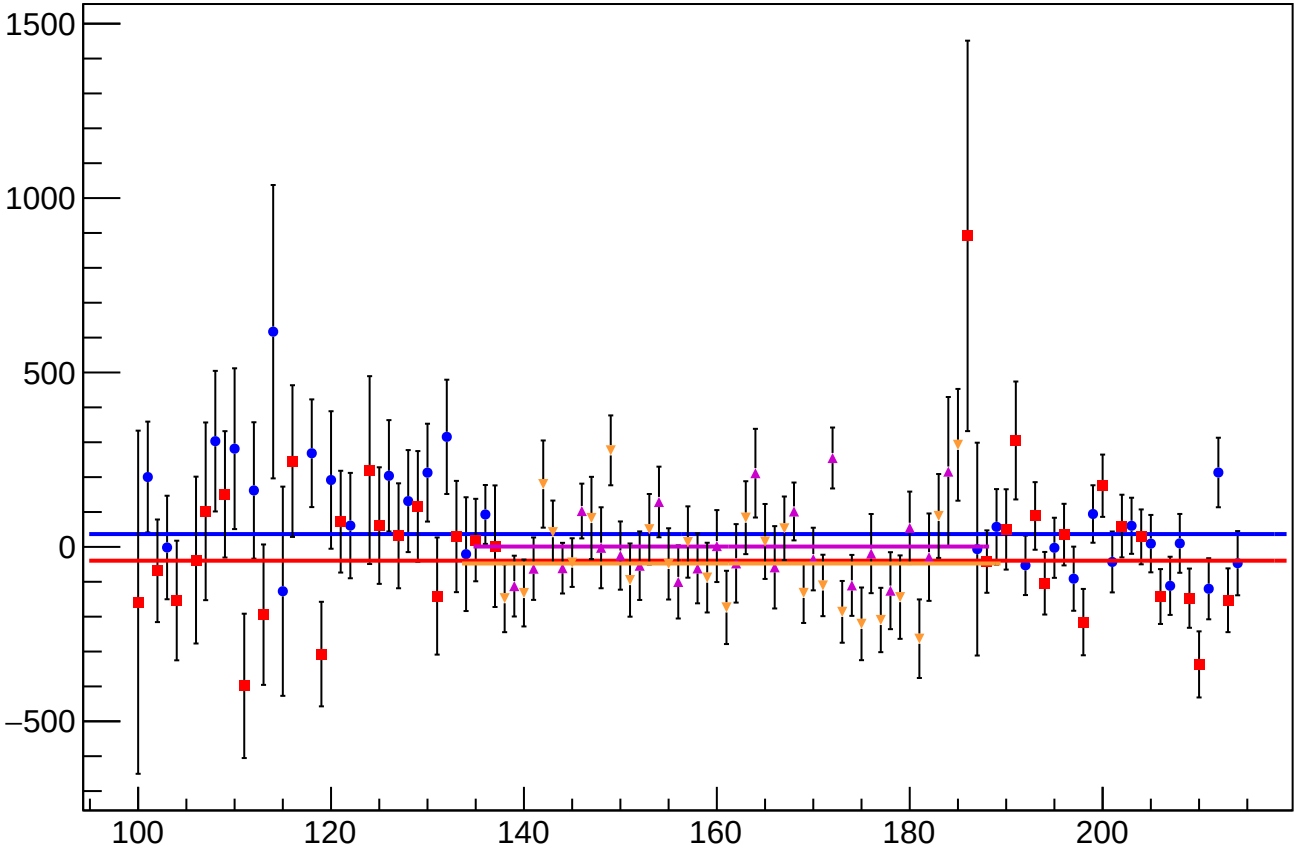
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 538.200+/-0.064 χ^2/NDF: 3350770.9/54

All: 538.828+/-0.045 χ^2/NDF: 7251160.2/11

- sign 539.470+/-0.064 χ^2/NDF: 3900192.6/56

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 36.760+/-20.690 χ^2/NDF: 31.3/29

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -39.534+/-20.982 χ^2/NDF: 50.8/33

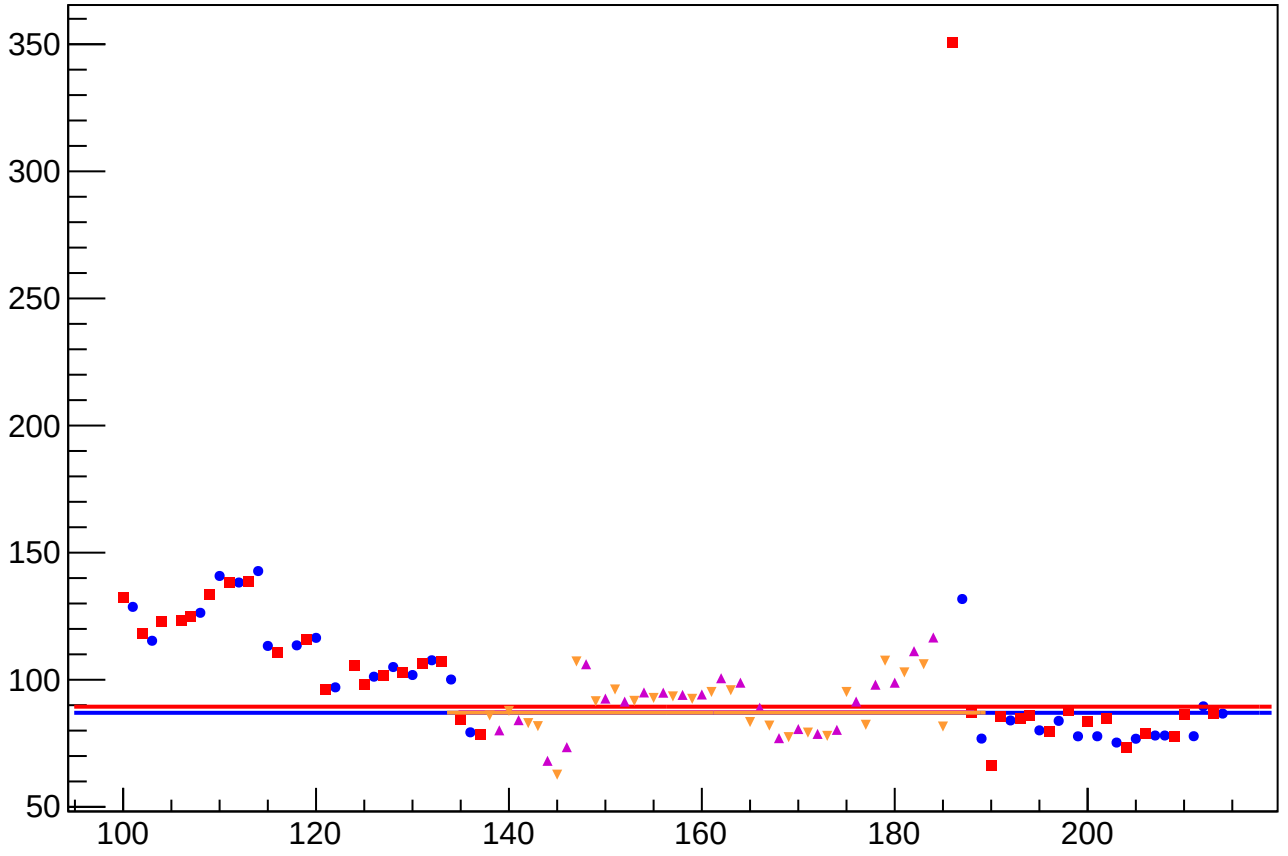
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -6.850+/-14.373 χ^2/NDF: 83.9/54

All: -12.741+/-10.277 χ^2/NDF: 162.4/111

- sign -18.904+/-14.701 χ^2/NDF: 78.2/56

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 87.003+/-0.015 χ^2/NDF: 1094286.7/29

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

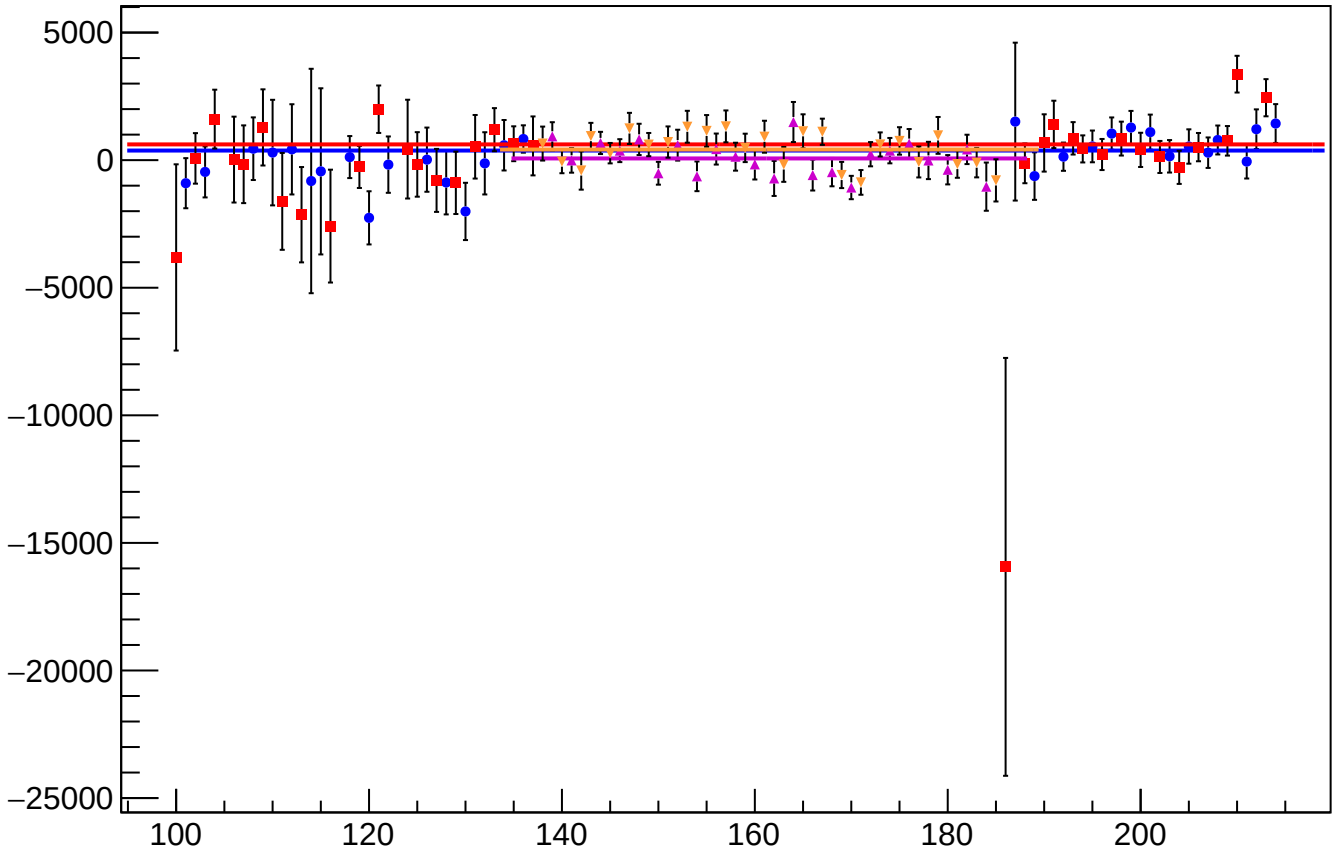
Right Out: 89.410+/-0.015 χ^2/NDF: 1511846.2/33

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.039+/-0.010 χ^2/NDF: 1714924.6/54

All: 87.662+/-0.007 χ^2/NDF: 3840973.7/111

- sign 88.313+/-0.010 χ^2/NDF: 2118359.5/56



Right In: 376.092+/-150.447 χ^2/NDF: 25.7/29

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

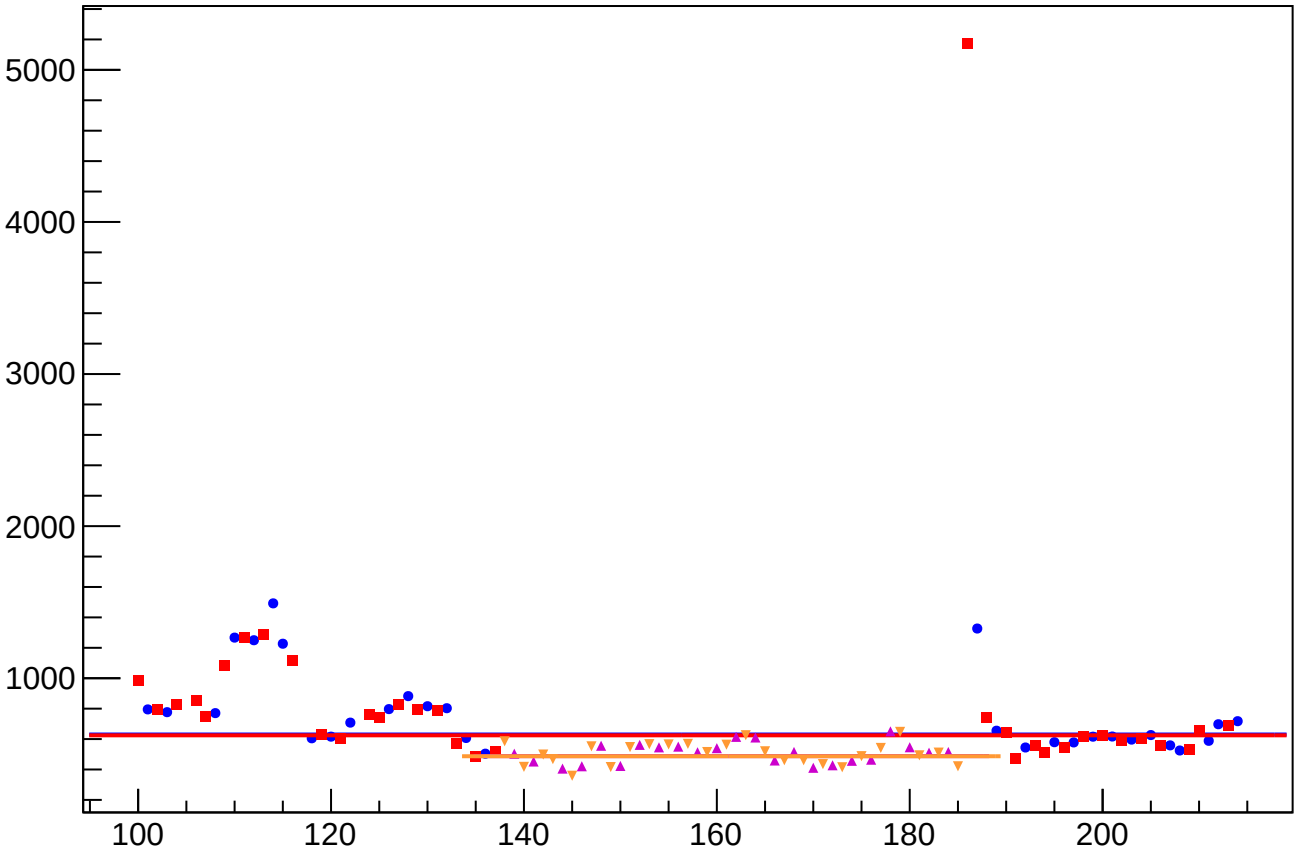
Right Out: 616.968+/-148.361 χ^2/NDF: 46.0/33

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

\+ sign 401.982+/-90.012 χ^2/NDF: 58.2/54

All: 338.834+/-64.029 χ^2/NDF: 141.3/111

\- sign 274.153+/-91.098 χ^2/NDF: 82.1/56



Right In: 629.890+/-0.106 χ^2/NDF: 1372505.5/29

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 624.630+/-0.105 χ^2/NDF: 2208155.2/33

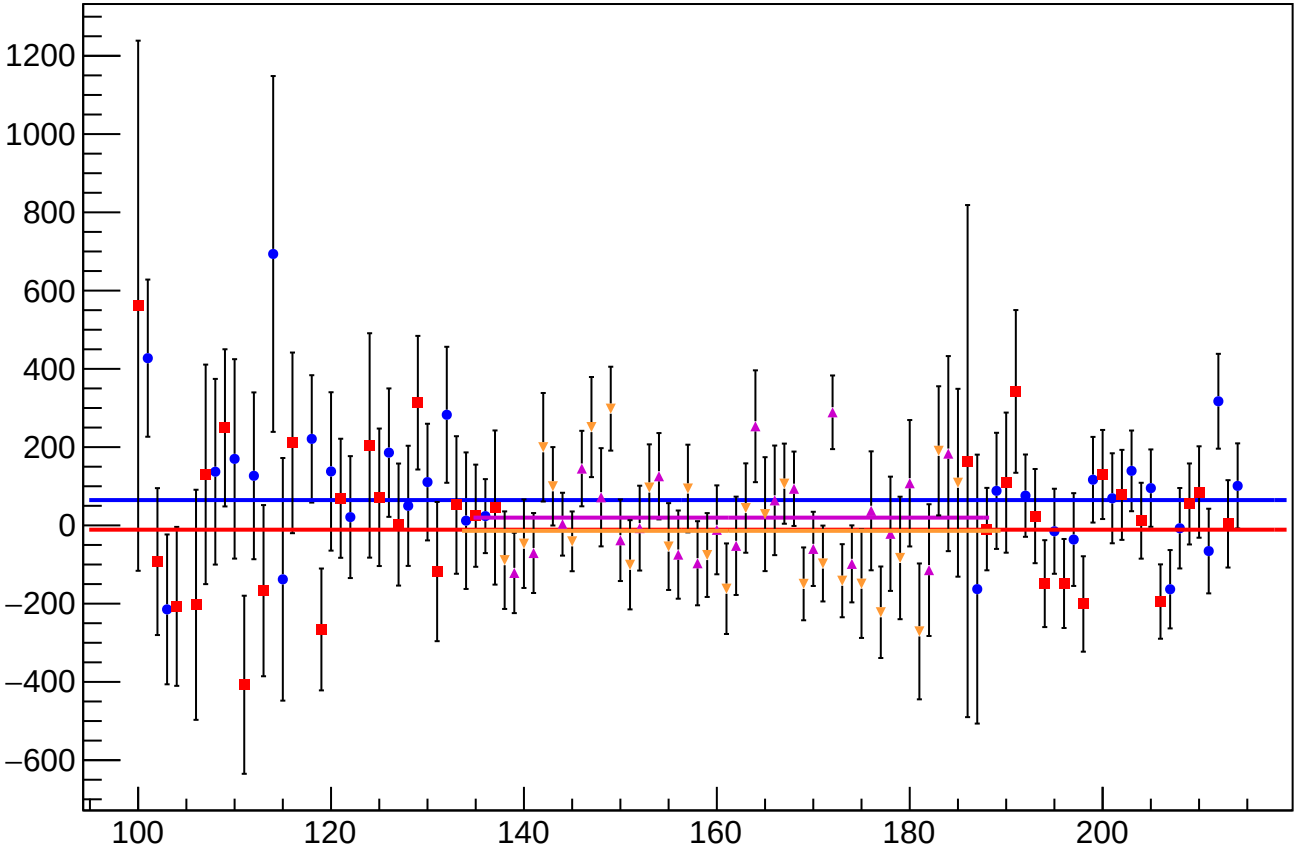
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 538.200+/-0.064 χ^2/NDF: 3350770.9/54

All: 538.828+/-0.045 χ^2/NDF: 7251160.2/11

- sign 539.470+/-0.064 χ^2/NDF: 3900192.6/56

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 64.680+/-24.874 χ^2/NDF: 25.9/29

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

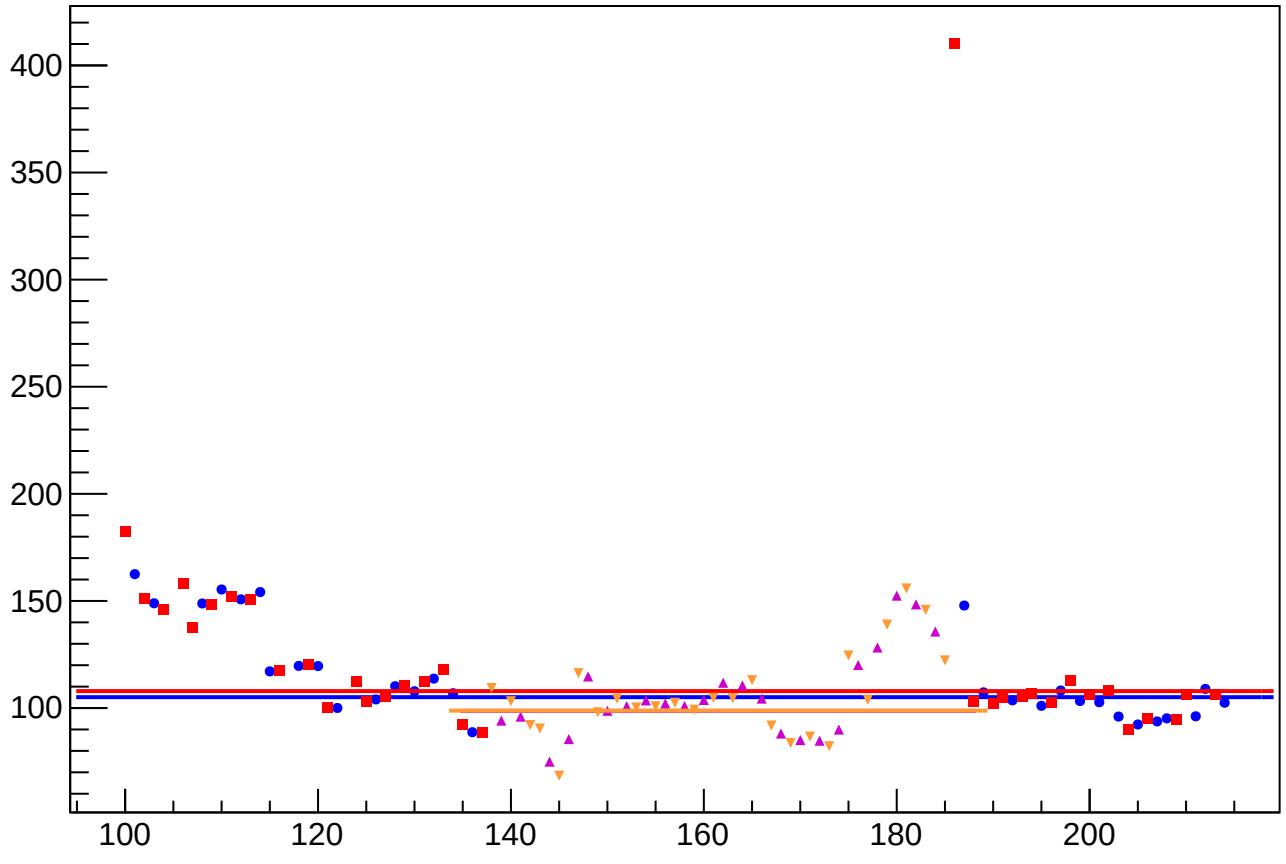
Right Out: -10.989+/-25.207 χ^2/NDF: 32.6/33

Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 22.174+/-16.854 χ^2/NDF: 67.6/54

All: 13.985+/-12.044 χ^2/NDF: 124.9/111

- sign 5.440+/-17.217 χ^2/NDF: 56.7/56



Right In: 105.081+/-0.018 χ^2/NDF: 775705.1/29

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

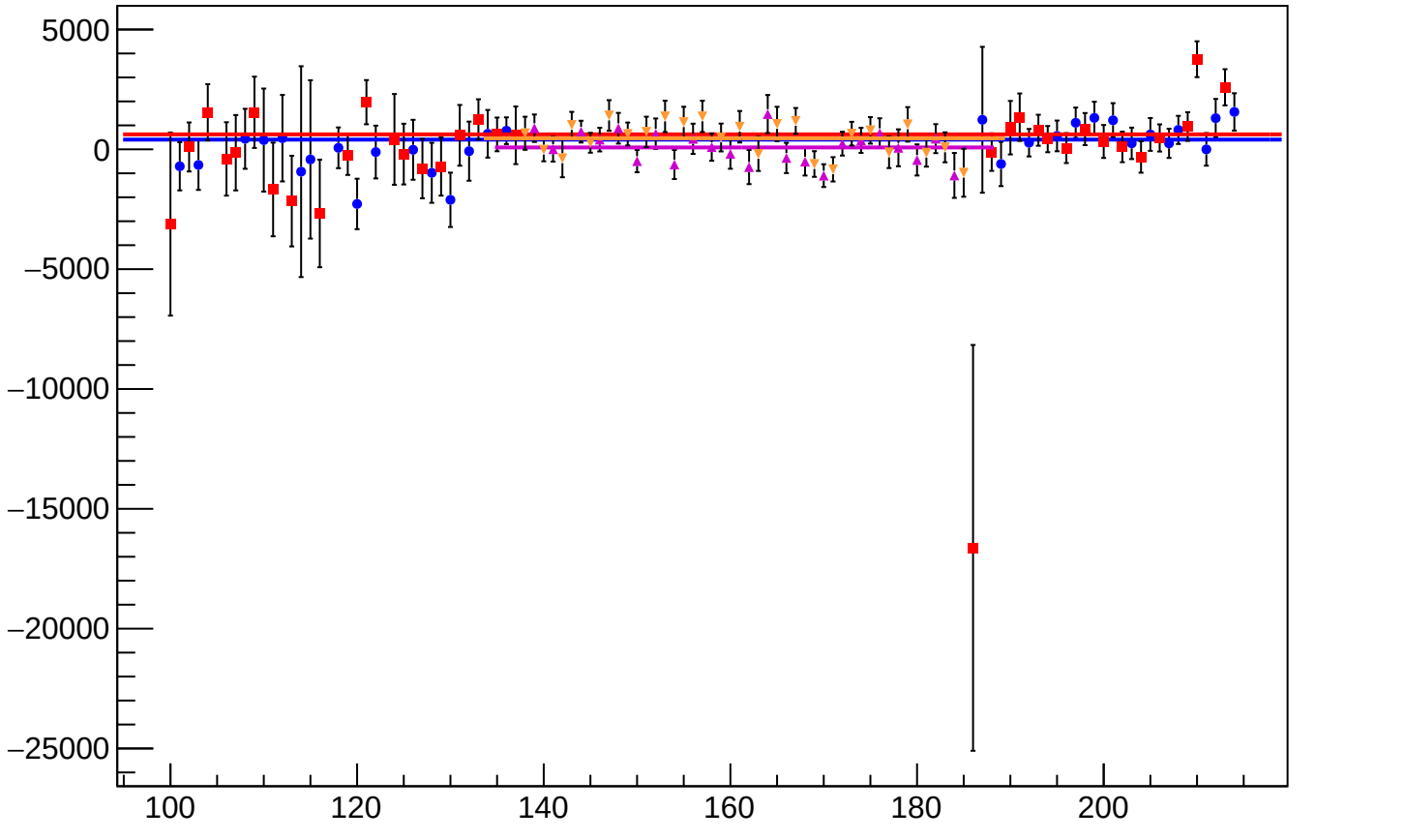
Right Out: 107.913+/-0.018 χ^2/NDF: 1175119.7/33

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 101.683+/-0.012 χ^2/NDF: 2030508.6/54

All: 102.319+/-0.009 χ^2/NDF: 4342639.8/11

- sign 102.983+/-0.012 χ^2/NDF: 2306303.9/56



Right In: 405.766+/-154.140 χ^2/NDF: 26.4/29

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 624.615+/-151.235 χ^2/NDF: 49.8/33

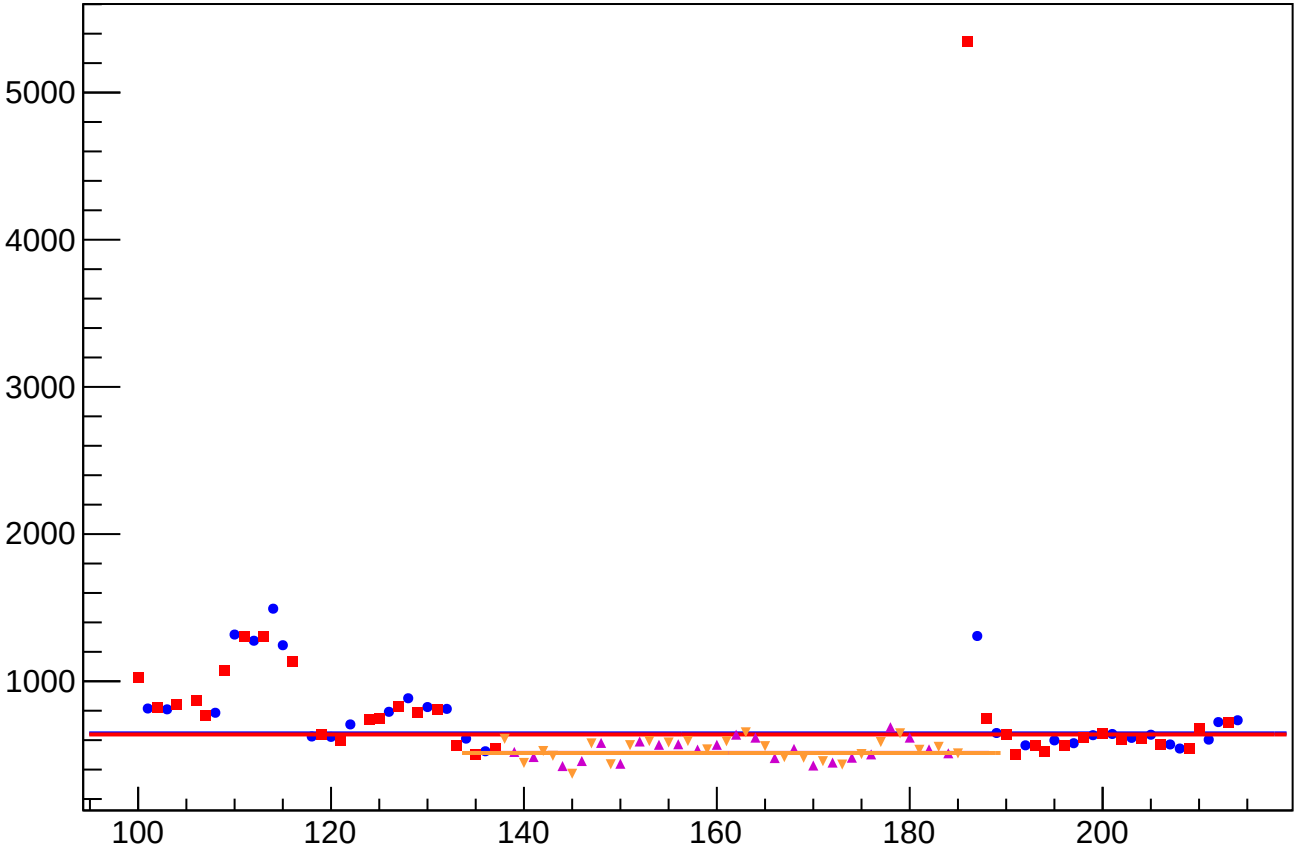
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 439.366+/-93.752 χ^2/NDF: 57.3/54

All: 366.790+/-66.622 χ^2/NDF: 142.4/111

- sign 292.757+/-94.689 χ^2/NDF: 83.9/56

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 646.055+/-0.109 χ^2/NDF: 1318942.7/29

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 638.593+/-0.107 χ^2/NDF: 2157113.5/33

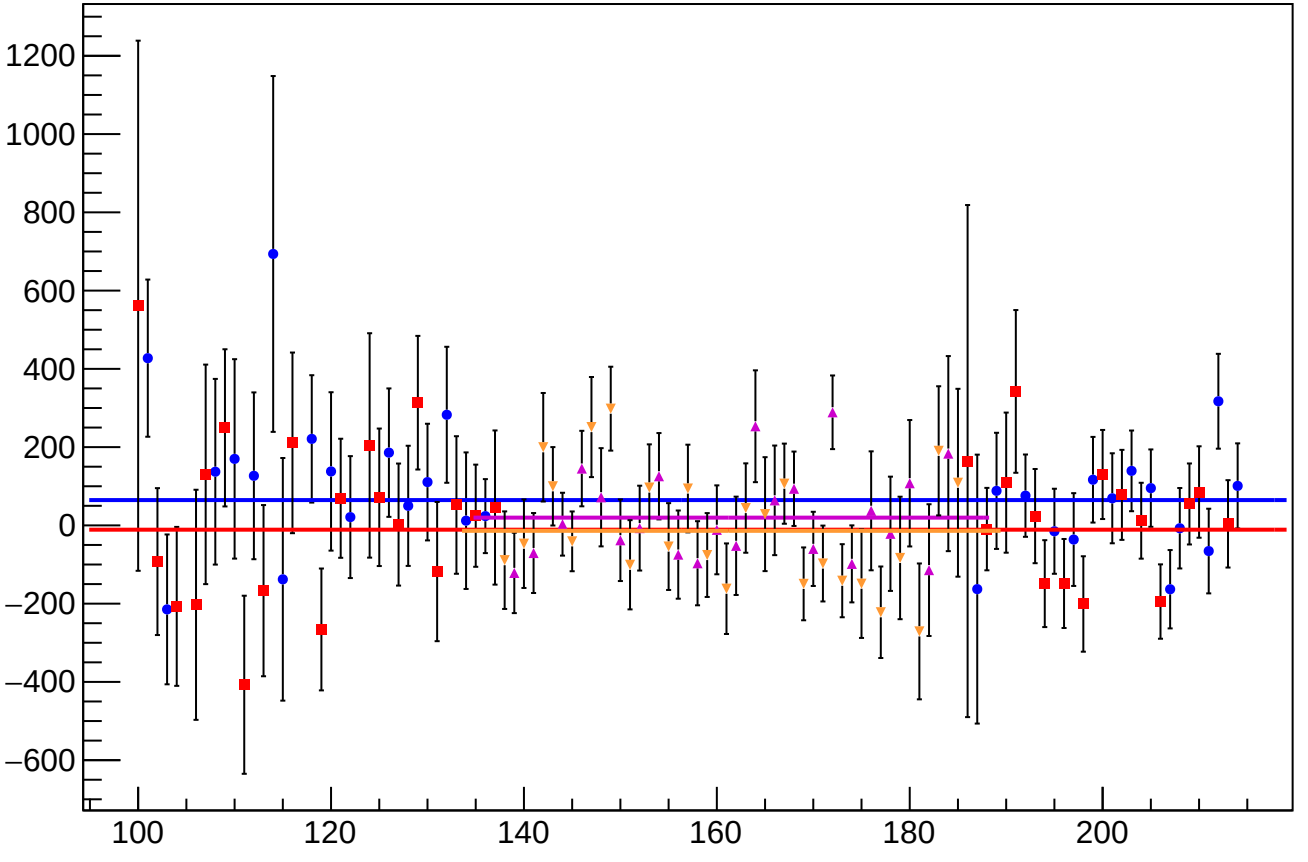
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 562.076+/-0.066 χ^2/NDF: 3060398.4/54

All: 562.267+/-0.047 χ^2/NDF: 6685130.1/11

- sign 562.461+/-0.067 χ^2/NDF: 3624715.0/56

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 64.679+/-24.874 χ^2/NDF: 25.9/29

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -10.990+/-25.207 χ^2/NDF: 32.6/33

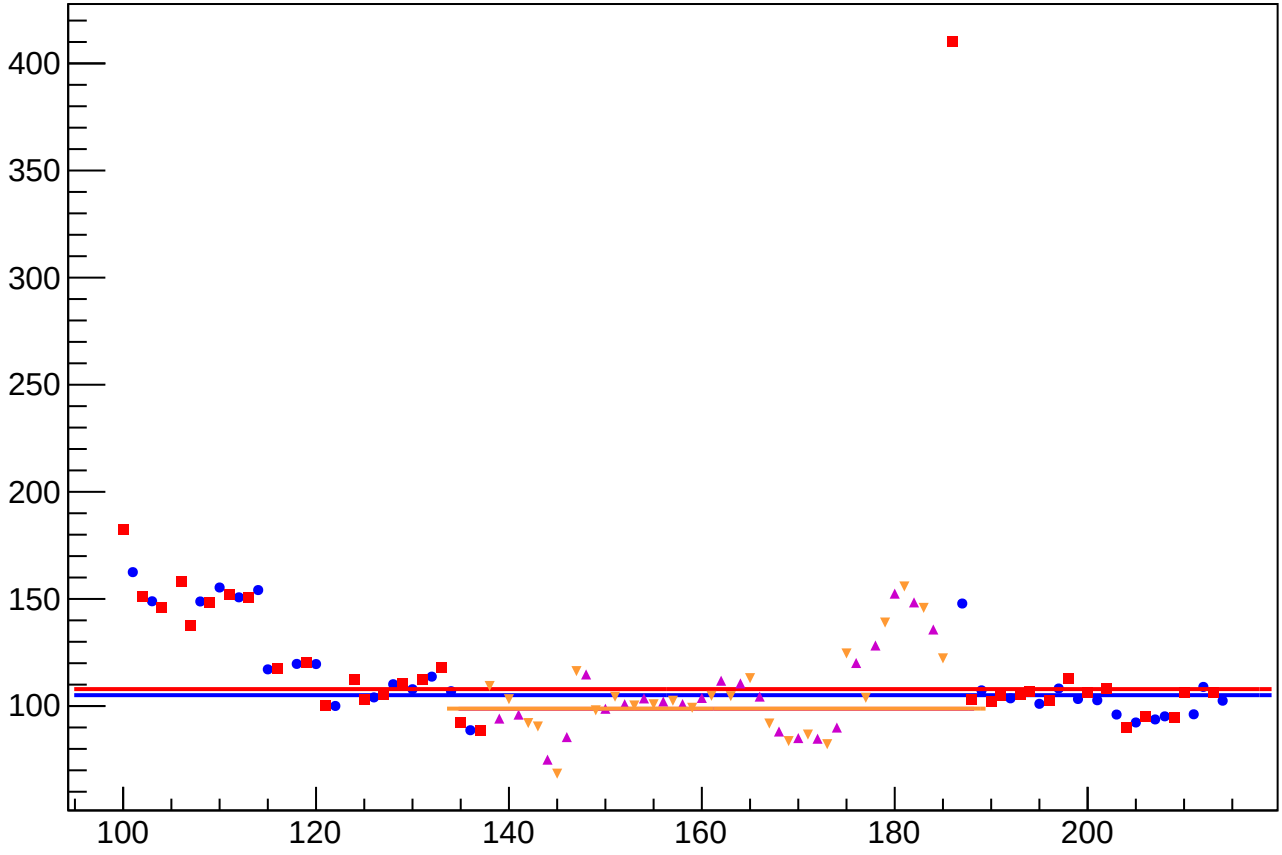
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

\+ sign 22.173+/-16.854 χ^2/NDF: 67.6/54

All: 13.984+/-12.044 χ^2/NDF: 124.9/111

\- sign 5.439+/-17.217 χ^2/NDF: 56.7/56

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 105.081+/-0.018 χ^2/NDF: 775695.4/29

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

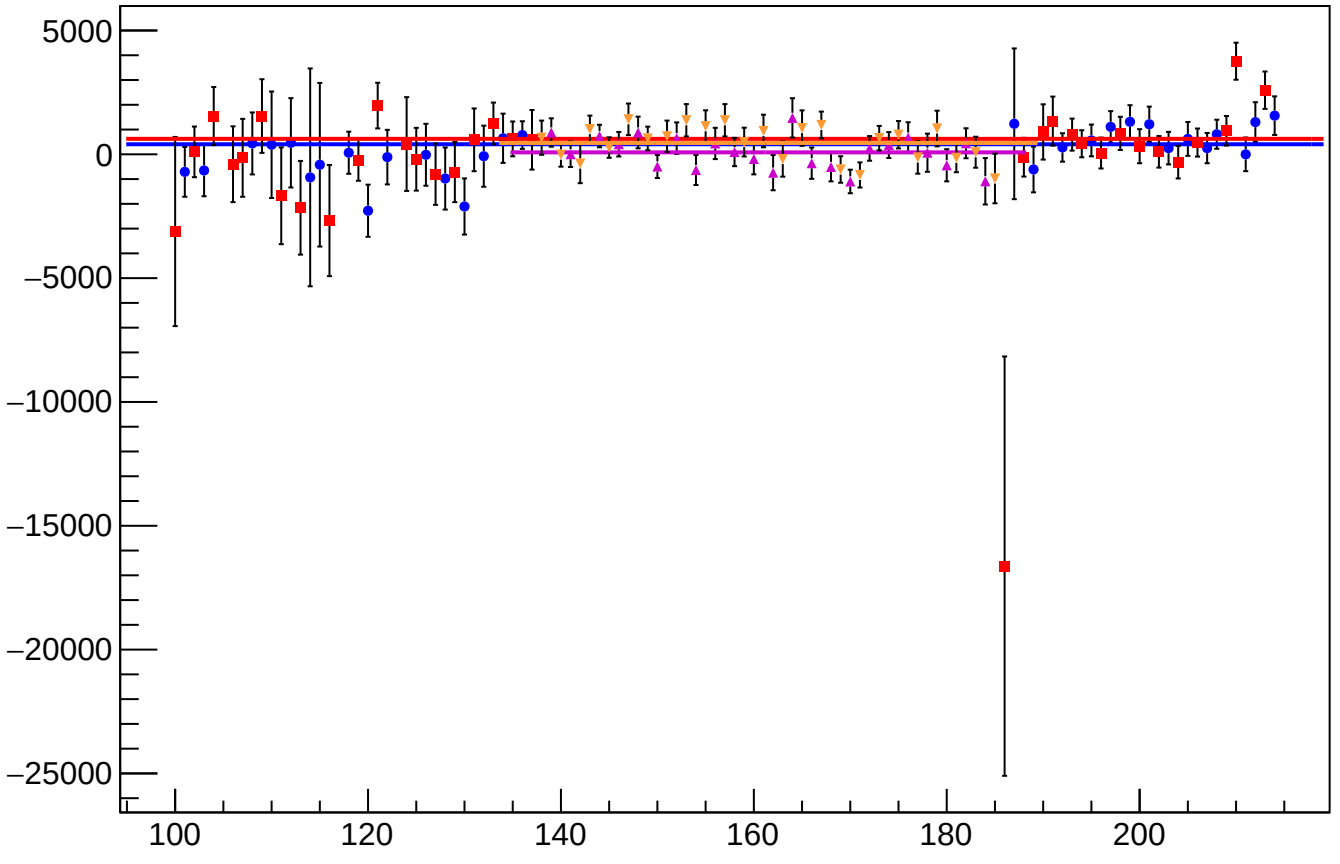
Right Out: 107.913+/-0.018 χ^2/NDF: 1175106.7/33

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 101.683+/-0.012 χ^2/NDF: 2030505.4/54

All: 102.319+/-0.009 χ^2/NDF: 4342618.3/111

- sign 102.983+/-0.012 χ^2/NDF: 2306285.2/56



Right In: 405.766+/-154.140 χ^2/NDF: 26.4/29

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

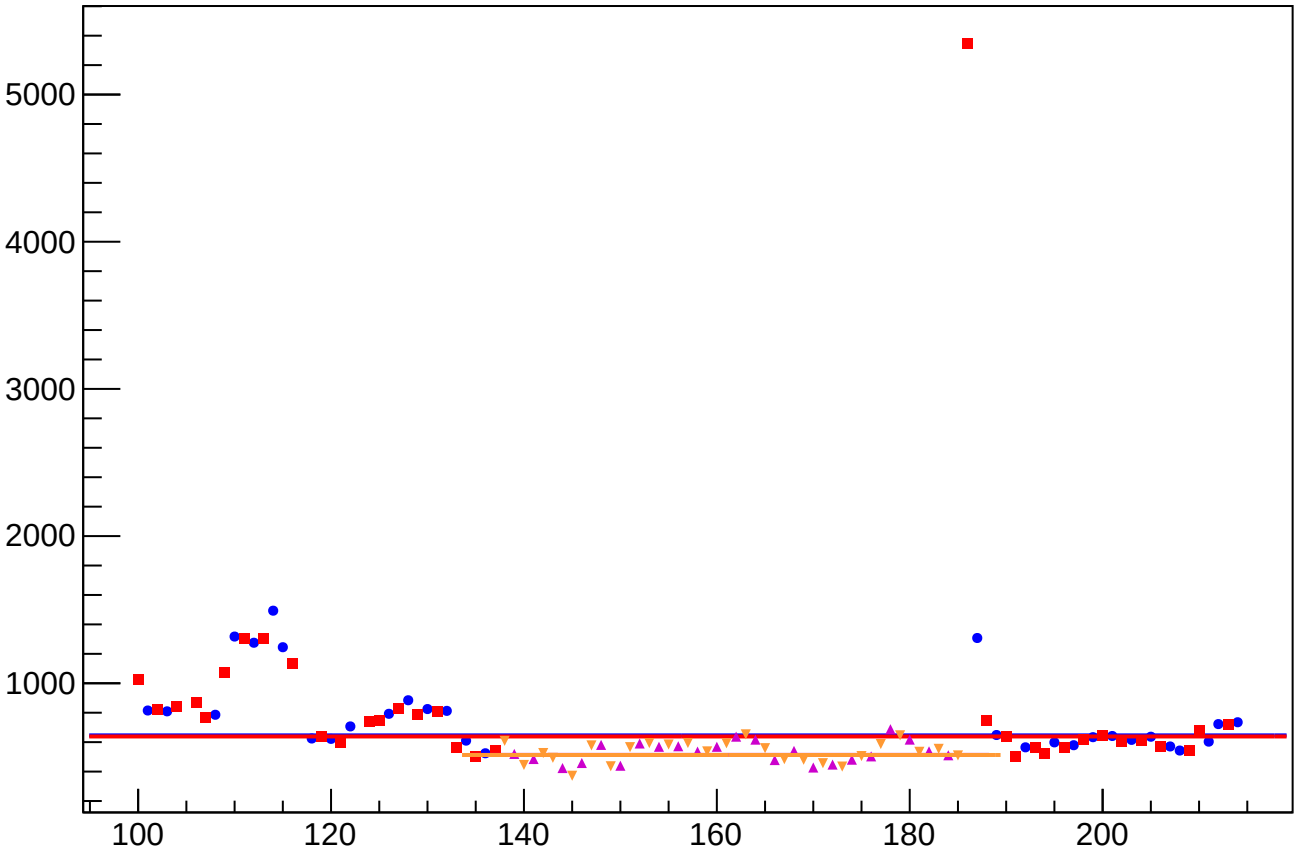
Right Out: 624.613+/-151.235 χ^2/NDF: 49.8/33

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 439.364+/-93.752 χ^2/NDF: 57.3/54

All: 366.789+/-66.622 χ^2/NDF: 142.4/111

- sign 292.757+/-94.689 χ^2/NDF: 83.9/56



Right In: 646.054+/-0.109 χ^2/NDF: 1318939.5/29

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 638.592+/-0.107 χ^2/NDF: 2157109.9/33

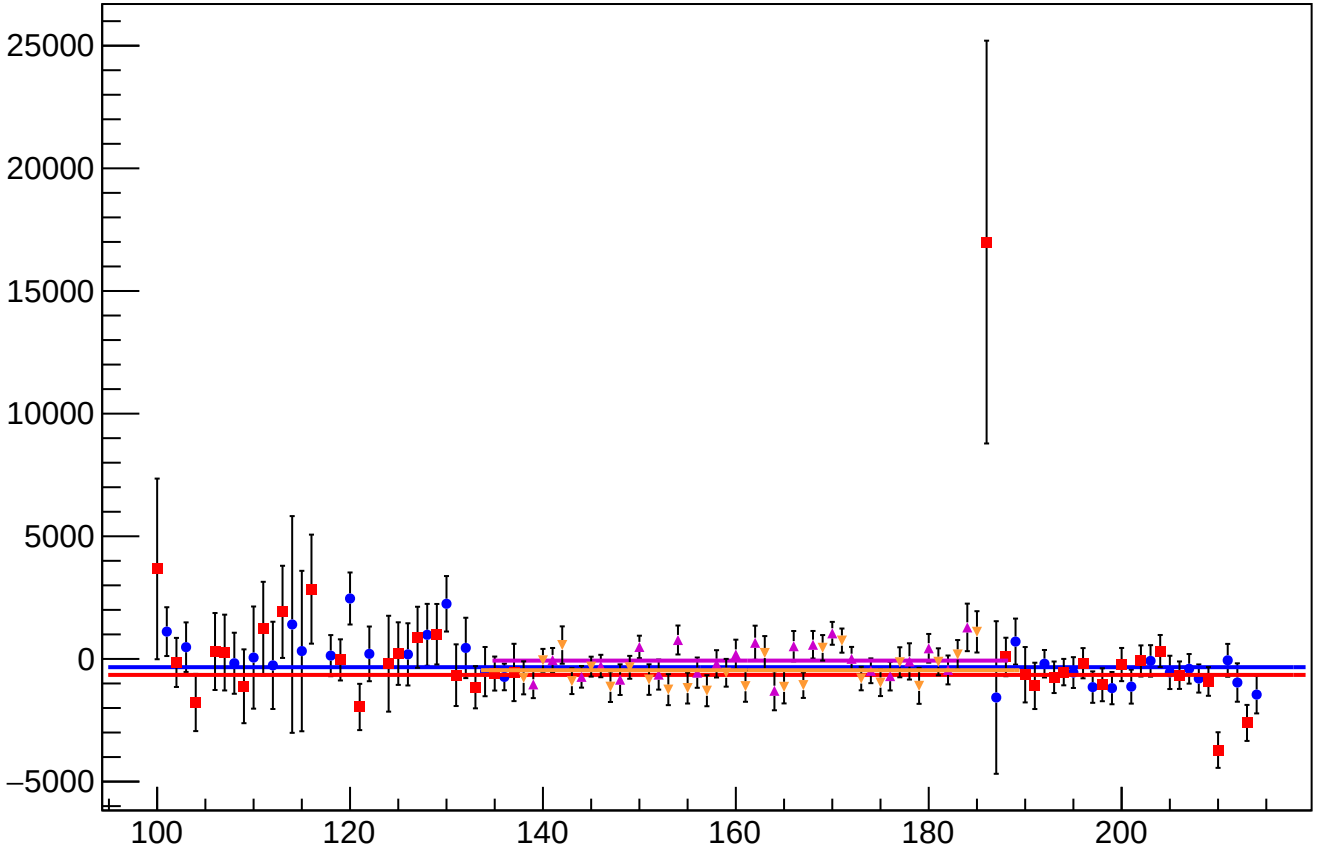
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 562.076+/-0.066 χ^2/NDF: 3060390.0/54

All: 562.266+/-0.047 χ^2/NDF: 6685105.1/11

- sign 562.460+/-0.067 χ^2/NDF: 3624698.5/56

asym_sam_26_48_dd_mean vs Slug



Right In: -335.839+/-152.014 χ^2/NDF: 28.1/29

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -651.419+/-149.904 χ^2/NDF: 50.6/33

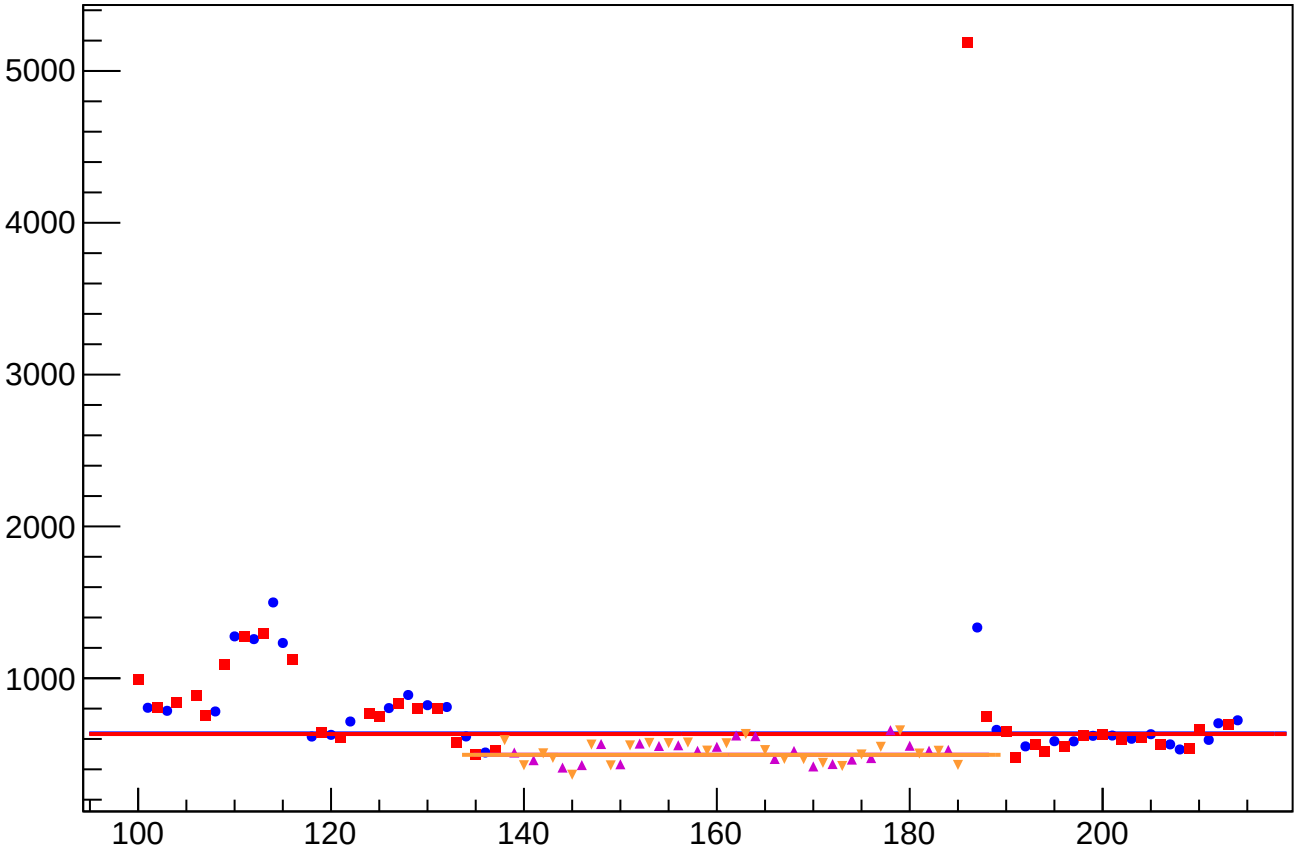
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -415.103+/-91.322 χ^2/NDF: 59.3/54

All: -353.168+/-64.956 χ^2/NDF: 148.9/111

- sign -289.747+/-92.411 χ^2/NDF: 88.6/56

asym_sam_26_48_dd_rms vs Slug



Right In: 636.613+/-0.107 χ^2/NDF: 1359604.1/29

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

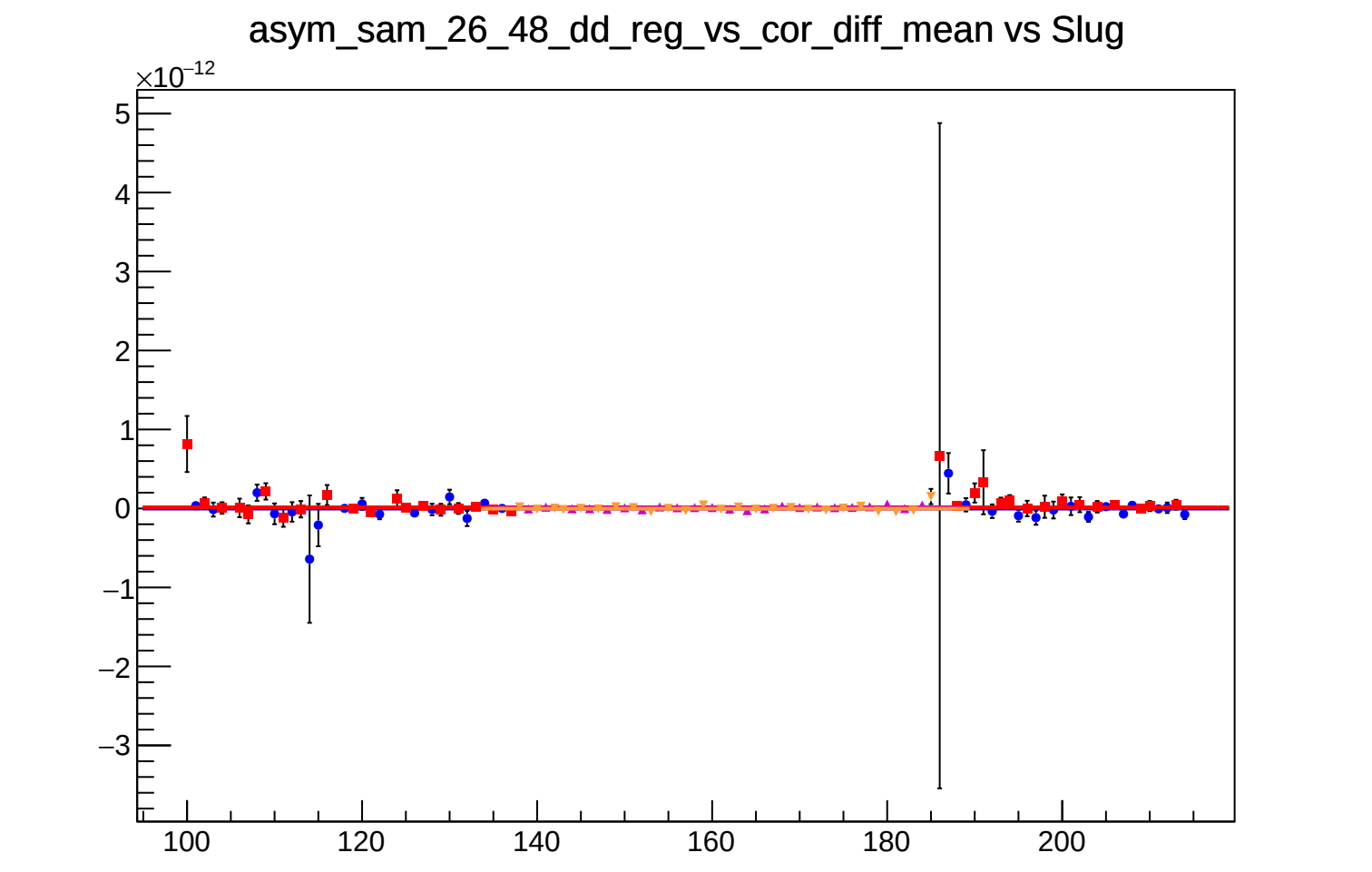
Right Out: 632.401+/-0.106 χ^2/NDF: 2201705.6/33

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 546.436+/-0.065 χ^2/NDF: 3265493.6/54

All: 547.223+/-0.046 χ^2/NDF: 7111839.0/11

- sign 548.028+/-0.065 χ^2/NDF: 3846045.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

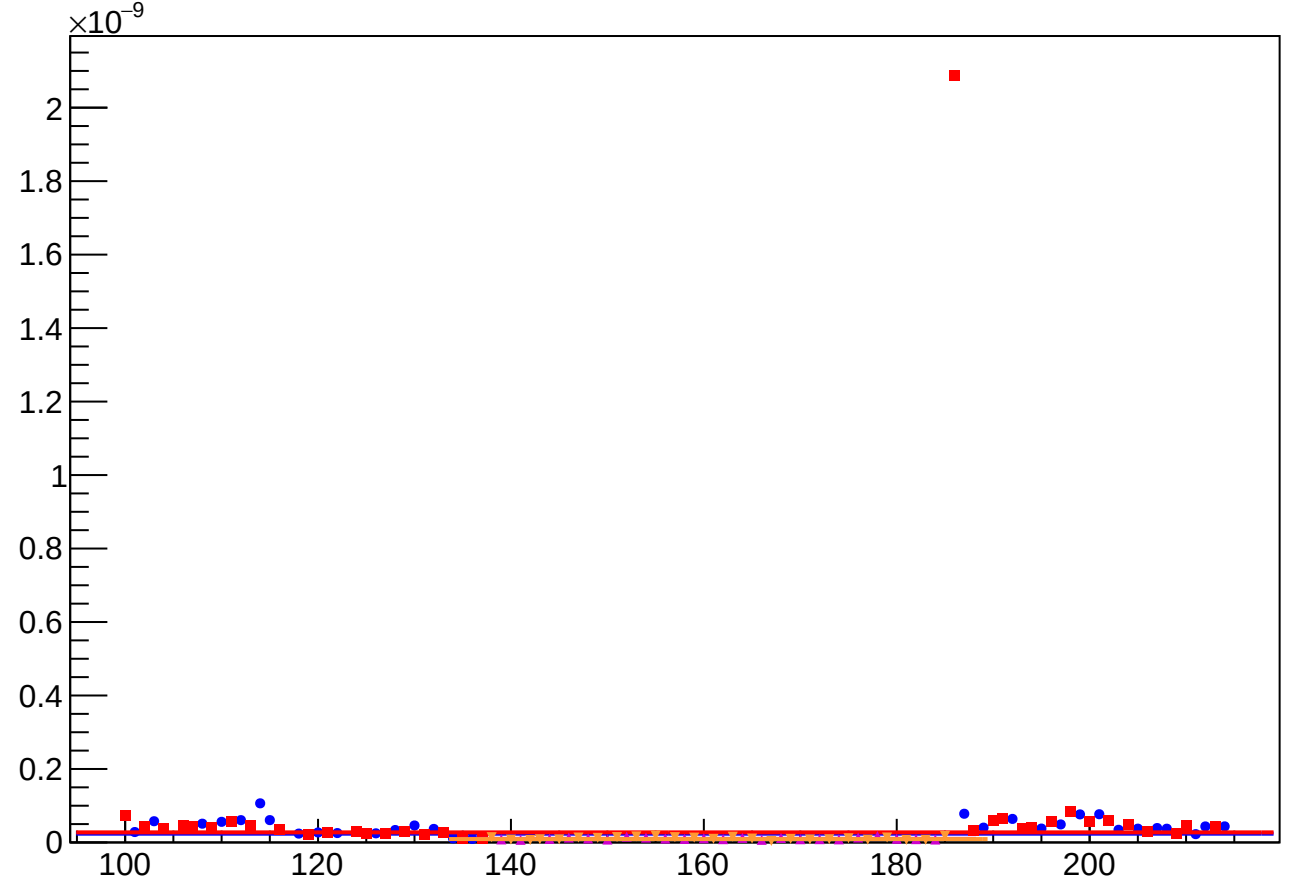
Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/33

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/54

All: 0.000+/-0.000 χ^2/NDF: 104.1/111

- sign 0.000+/-0.000 χ^2/NDF: 42.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 5653775.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4397795.7/33

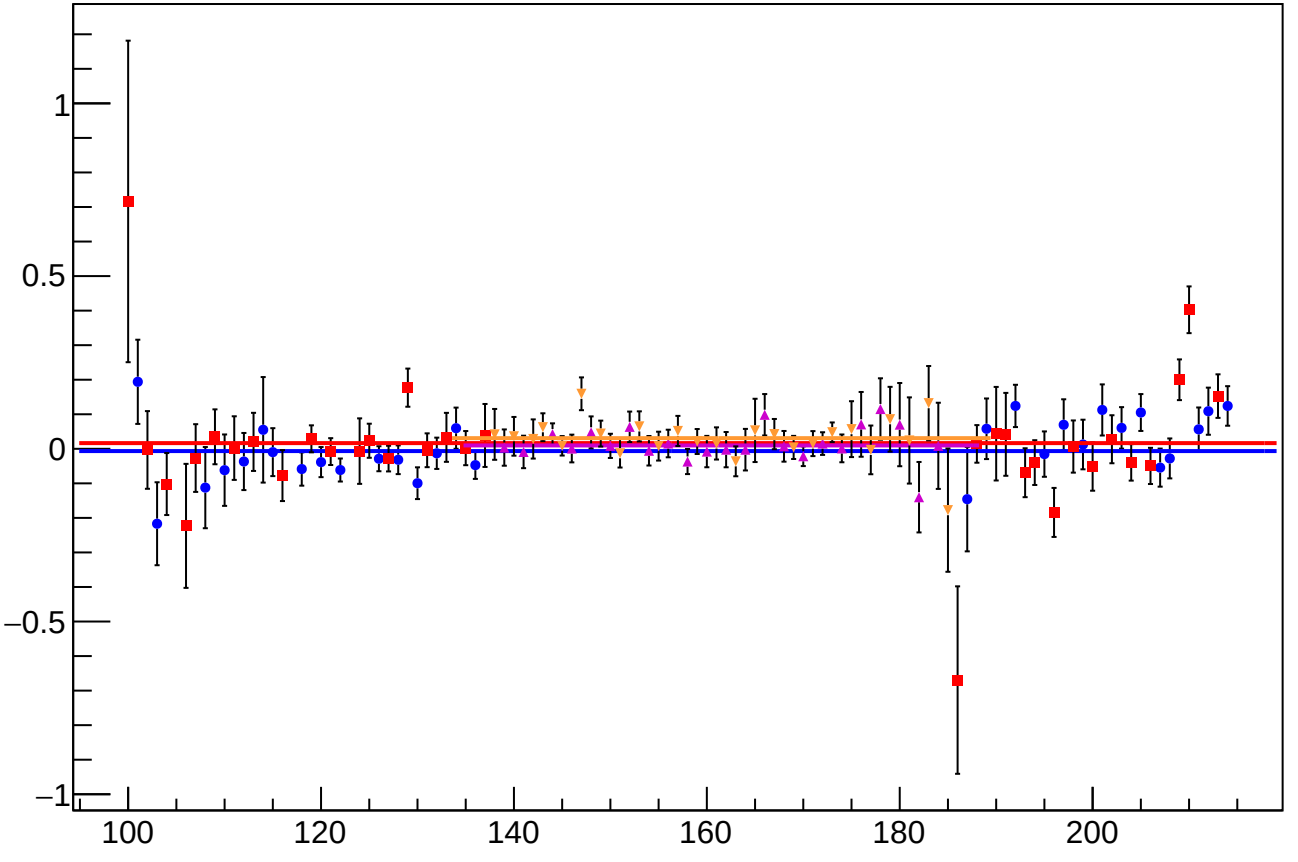
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11522449.7/54

All: 0.000+/-0.000 χ^2/NDF: 21537953.6/111

- sign 0.000+/-0.000 χ^2/NDF: 9960220.7/56

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.011 χ^2/NDF: 44.0/29

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.016+/-0.011 χ^2/NDF: 85.8/33

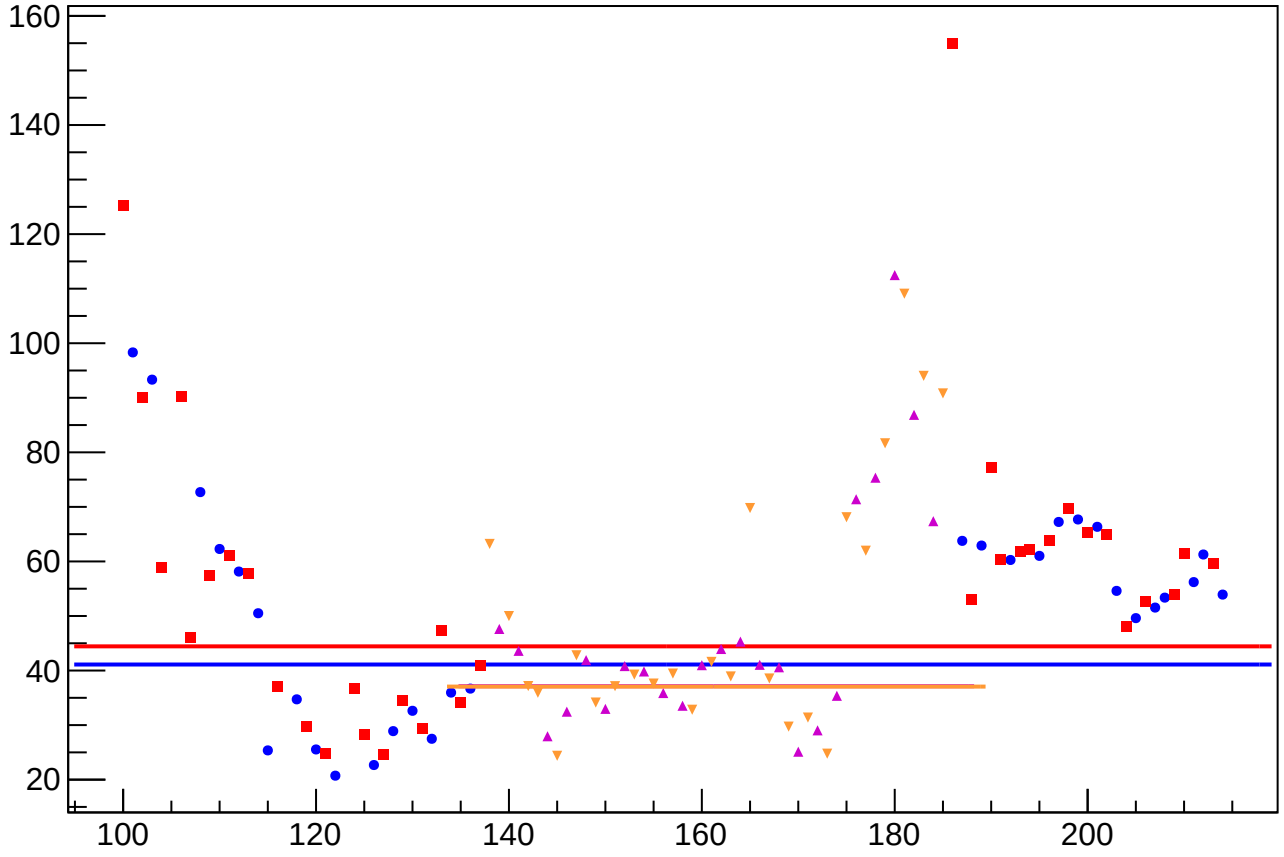
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.015+/-0.007 χ^2/NDF: 69.0/54

All: 0.014+/-0.005 χ^2/NDF: 168.4/111

- sign 0.013+/-0.007 χ^2/NDF: 99.3/56

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.105+/-0.007 χ^2/NDF: 5270246.8/29

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

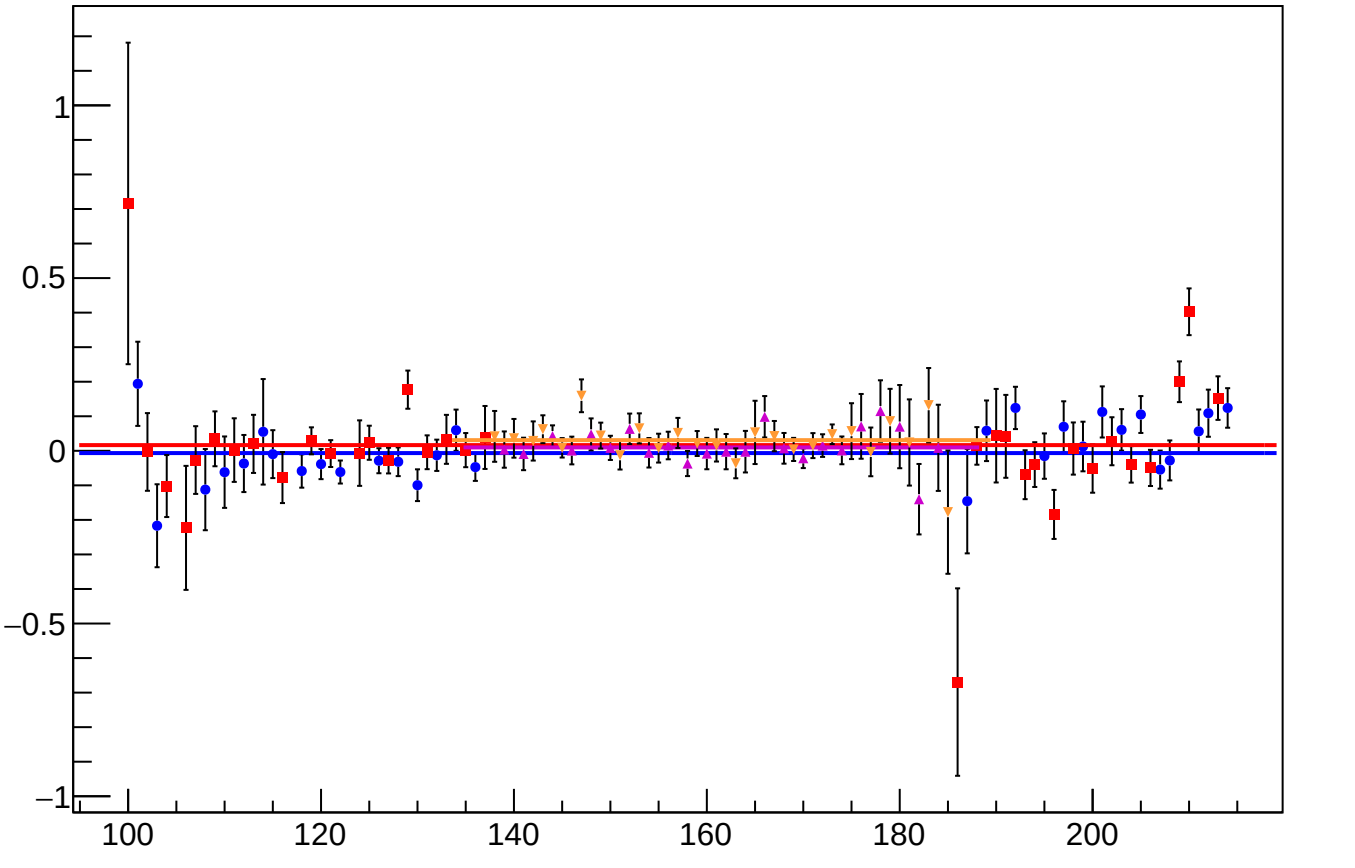
Right Out: 44.434+/-0.008 χ^2/NDF: 4586466.5/33

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.795+/-0.005 χ^2/NDF: 9492869.2/54

All: 39.462+/-0.004 χ^2/NDF: 17638483.1/11

- sign 40.179+/-0.005 χ^2/NDF: 8106791.7/56



Right In: -0.007+/-0.011 χ^2/NDF: 44.0/29

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

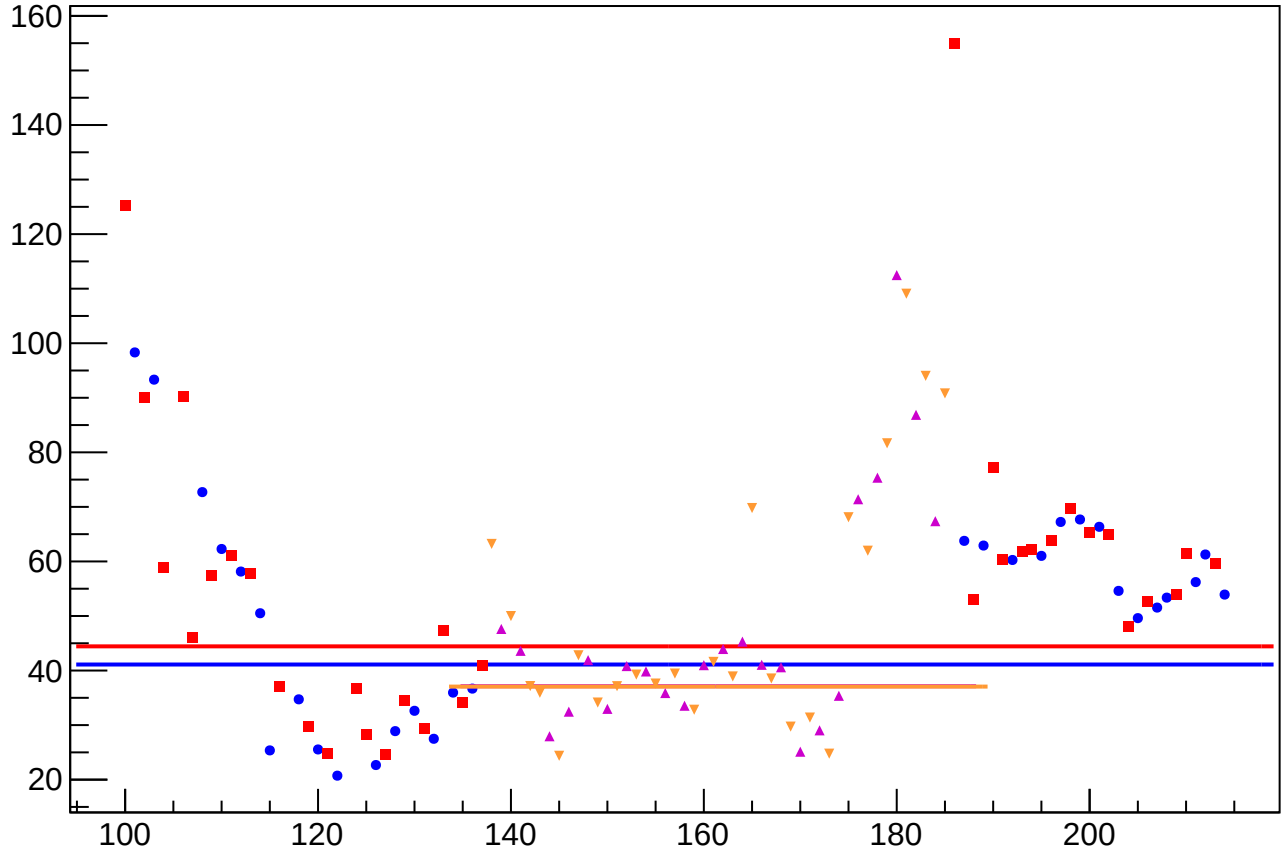
Right Out: 0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.015+/-0.007 χ^2/NDF: 69.0/54

All: 0.014+/-0.005 χ^2/NDF: 168.4/111

\- sign 0.013+/-0.007 χ^2/NDF: 99.3/56



Right In: 41.105+/-0.007 χ^2/NDF: 5270246.8/29

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

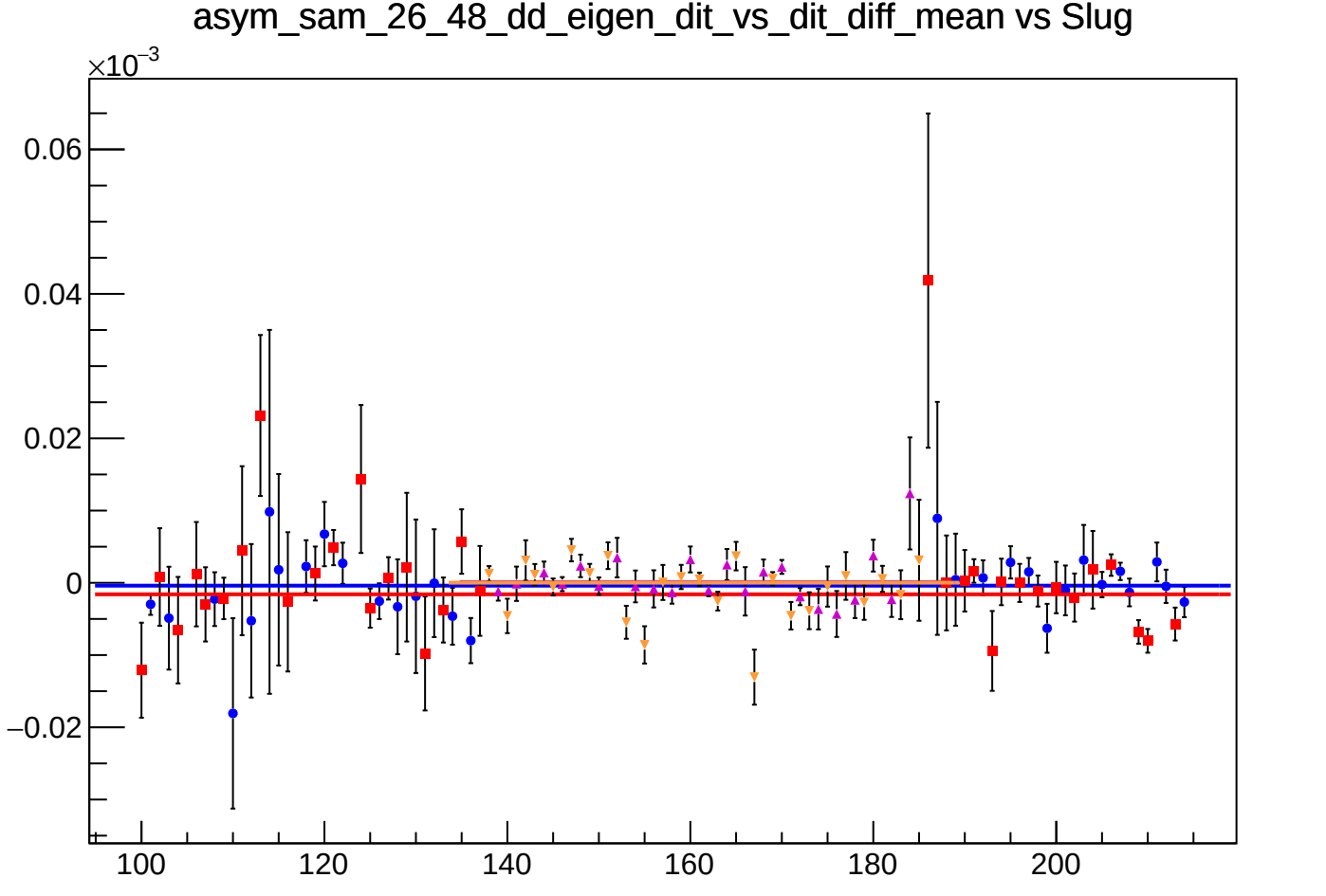
Right Out: 44.434+/-0.008 χ^2/NDF: 4586466.5/33

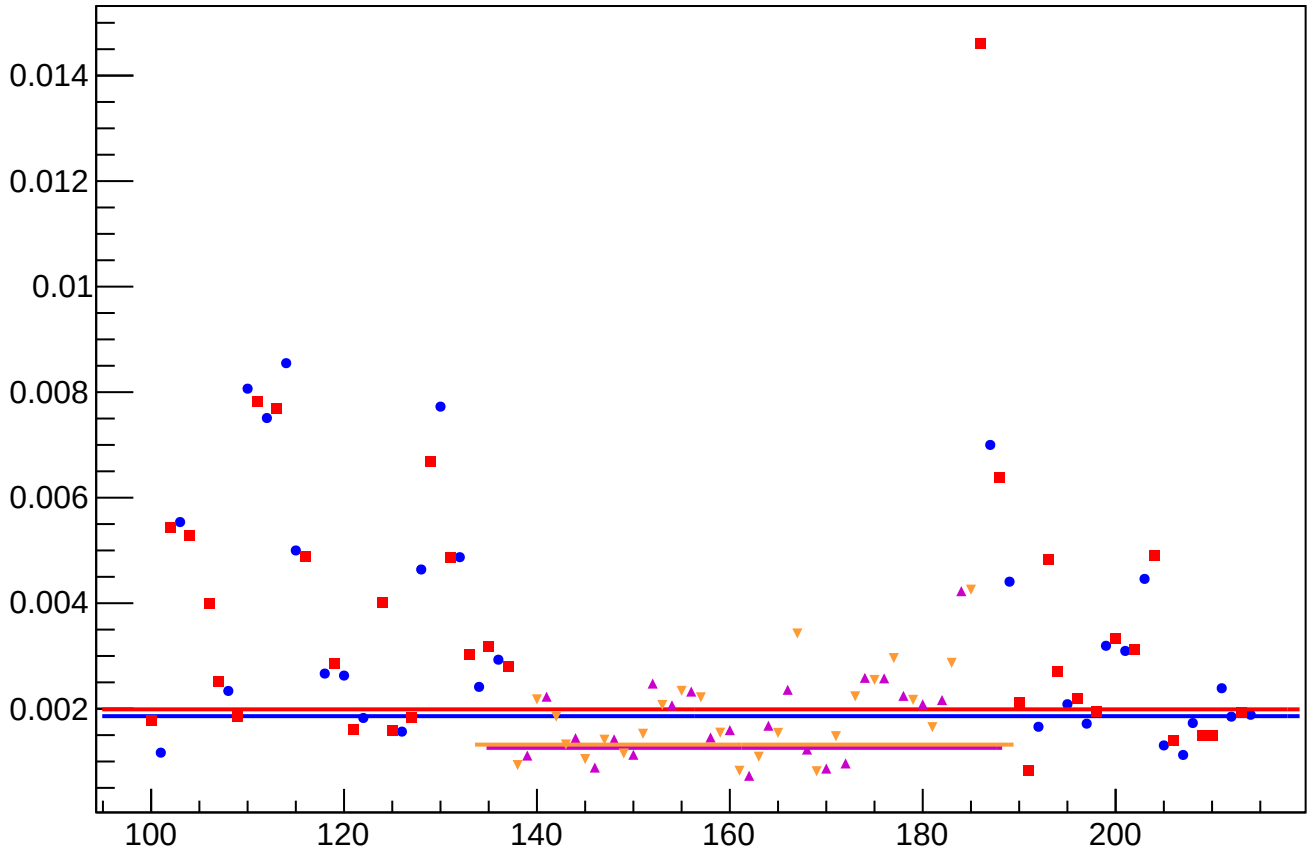
Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 38.795+/-0.005 χ^2/NDF: 9492869.2/54

All: 39.462+/-0.004 χ^2/NDF: 17638483.1/11

- sign 40.179+/-0.005 χ^2/NDF: 8106791.7/56


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/29
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 71.0/33
Left In: 0.000+/-0.000 χ²/NDF:32.2/22
+ sign -0.000+/-0.000 χ²/NDF: 99.2/54
All: -0.000+/-0.000 χ²/NDF: 210.0/111
- sign -0.000+/-0.000 χ²/NDF: 110.3/56



Right In: 0.002+/-0.000 χ^2/NDF: 6775183.0/29

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

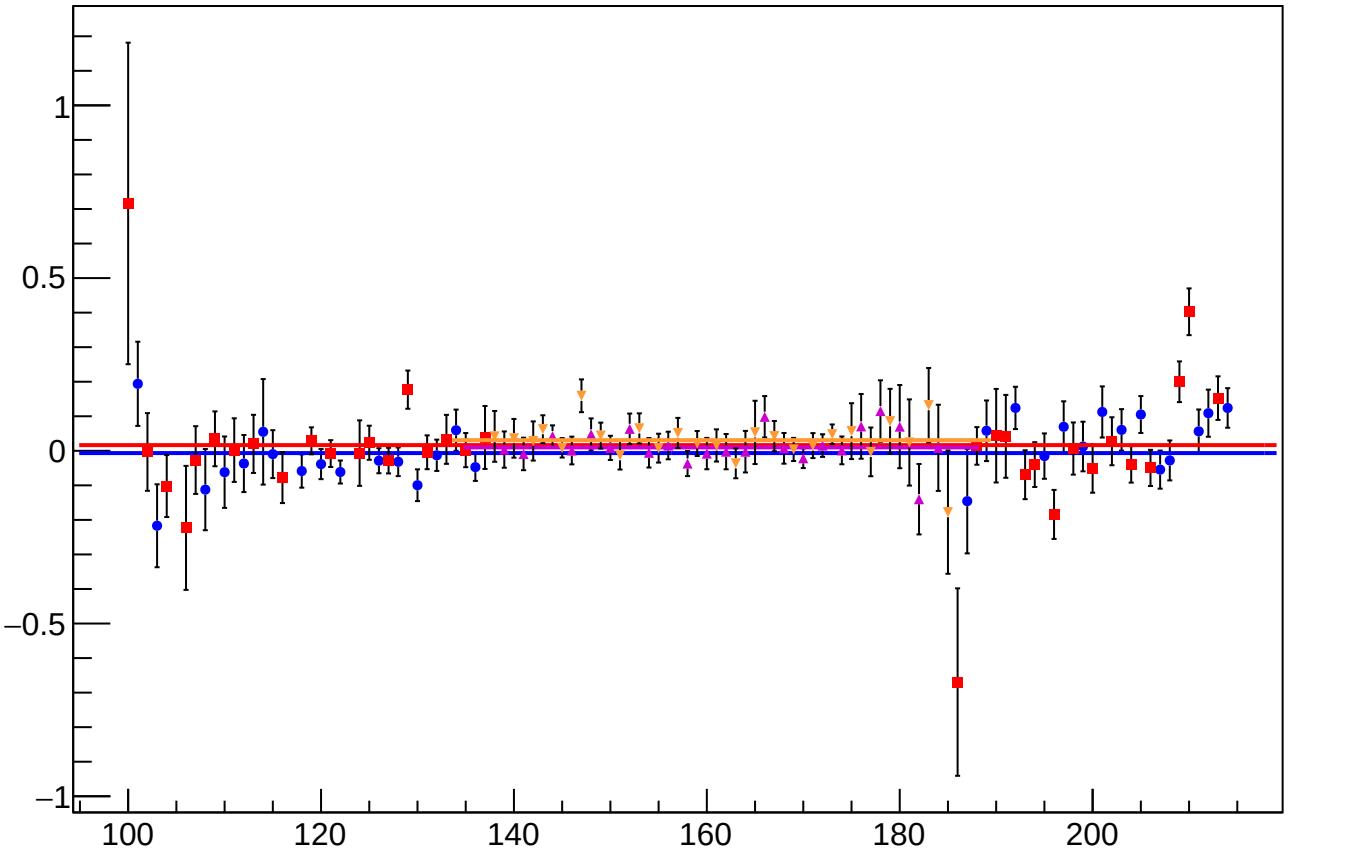
Right Out: 0.002+/-0.000 χ^2/NDF: 8502465.1/33

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 14005654.5/54

All: 0.001+/-0.000 χ^2/NDF: 30574103.9/111

- sign 0.001+/-0.000 χ^2/NDF: 16559715.1/56



Right In: -0.007+/-0.011 χ^2/NDF: 44.0/29

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

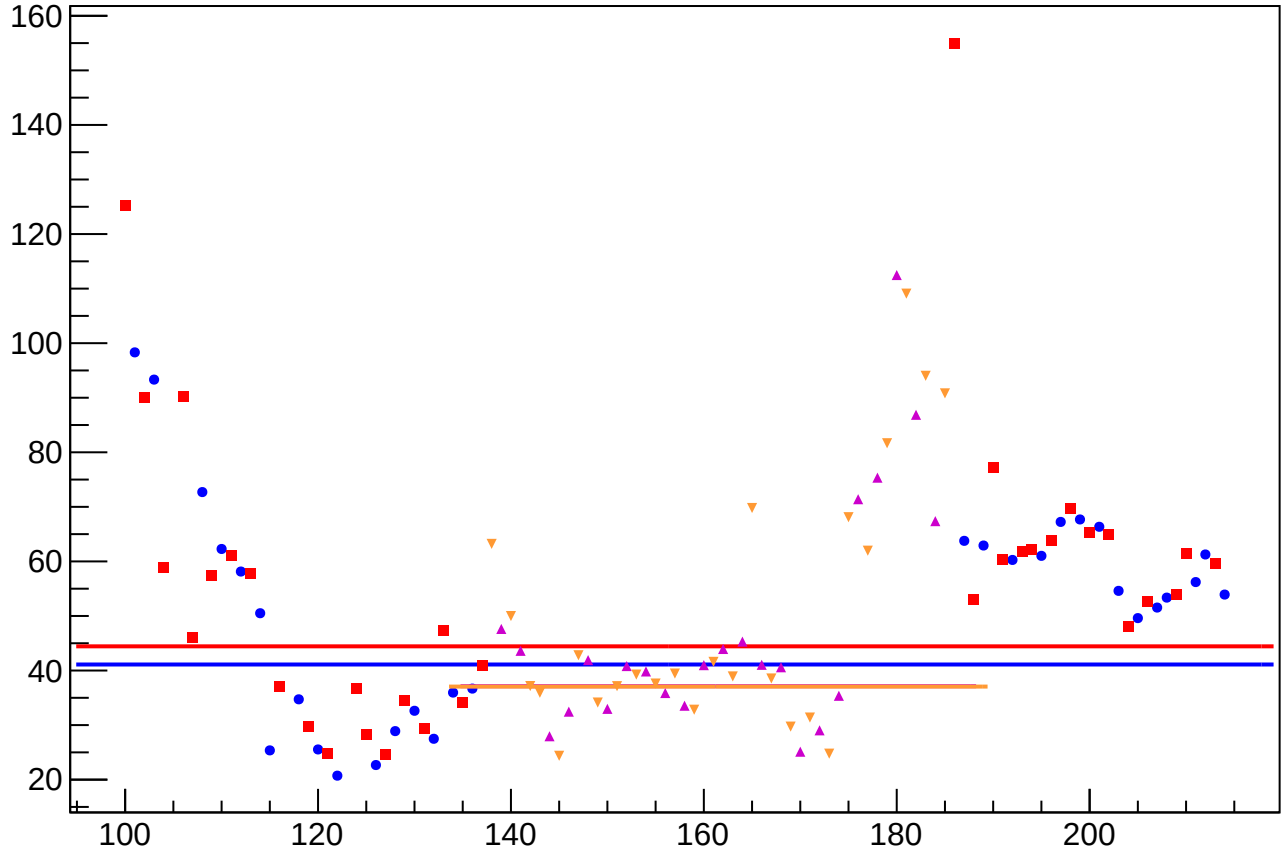
Right Out: 0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.015+/-0.007 χ^2/NDF: 69.0/54

All: 0.014+/-0.005 χ^2/NDF: 168.3/111

- sign 0.013+/-0.007 χ^2/NDF: 99.3/56



Right In: 41.106+/-0.007 χ^2/NDF: 5270120.5/29

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

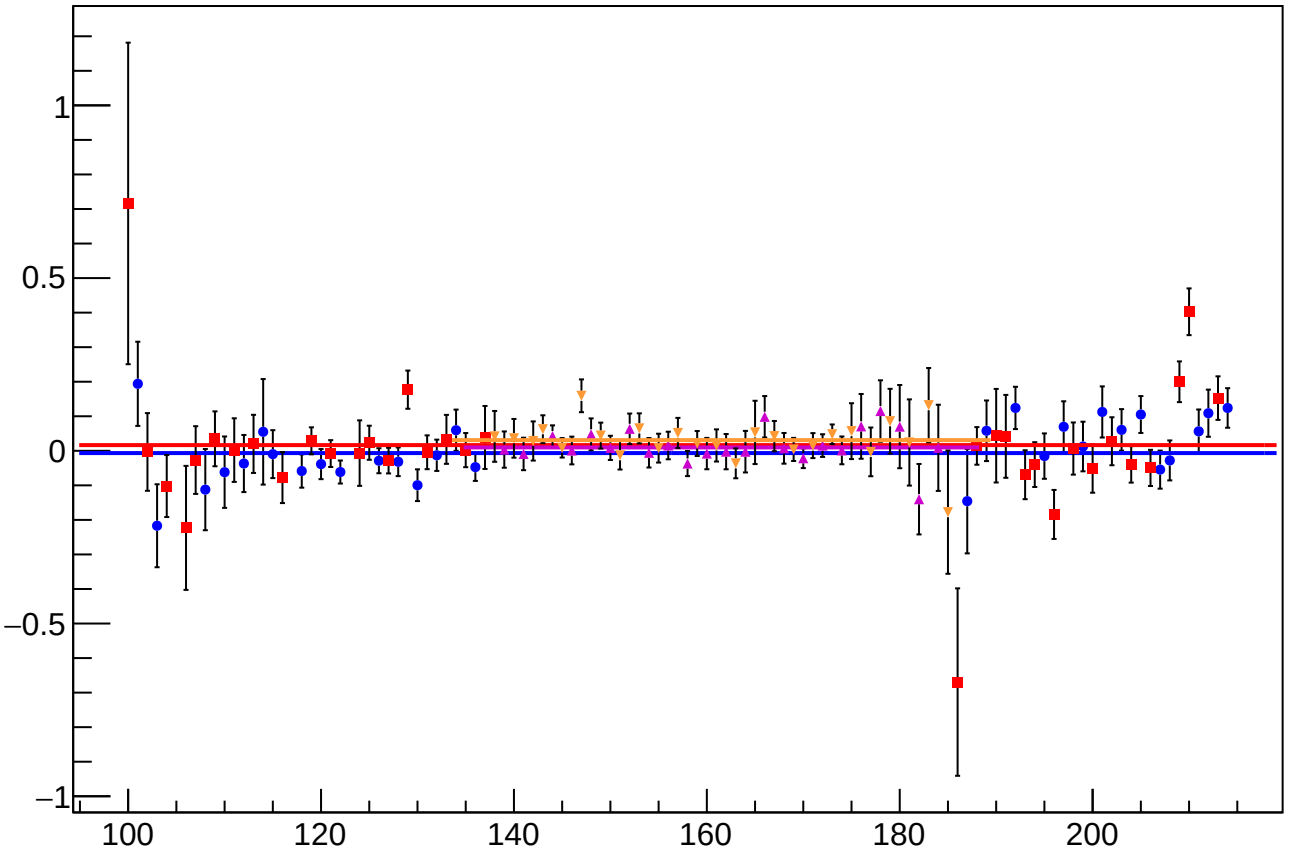
Right Out: 44.435+/-0.008 χ^2/NDF: 4586248.4/33

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.795+/-0.005 χ^2/NDF: 9492780.4/54

All: 39.462+/-0.004 χ^2/NDF: 17638207.8/11

- sign 40.179+/-0.005 χ^2/NDF: 8106605.0/56



Right In: -0.007+/-0.011 χ^2/NDF: 44.0/29

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

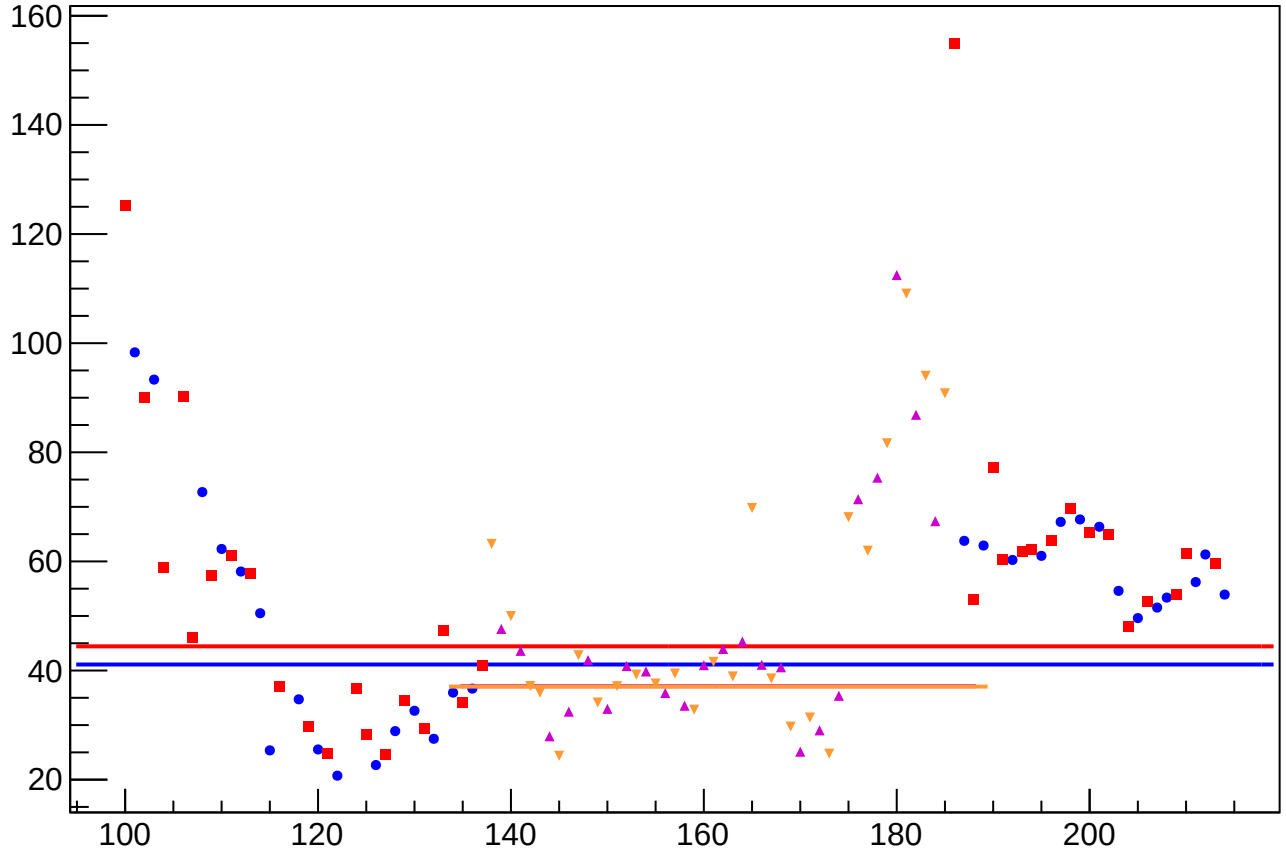
Right Out: 0.016+/-0.011 χ^2/NDF: 85.8/33

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.015+/-0.007 χ^2/NDF: 69.0/54

All: 0.014+/-0.005 χ^2/NDF: 168.3/111

\- sign 0.013+/-0.007 χ^2/NDF: 99.3/56



Right In: 41.106+/-0.007 χ^2/NDF: 5270120.5/29

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

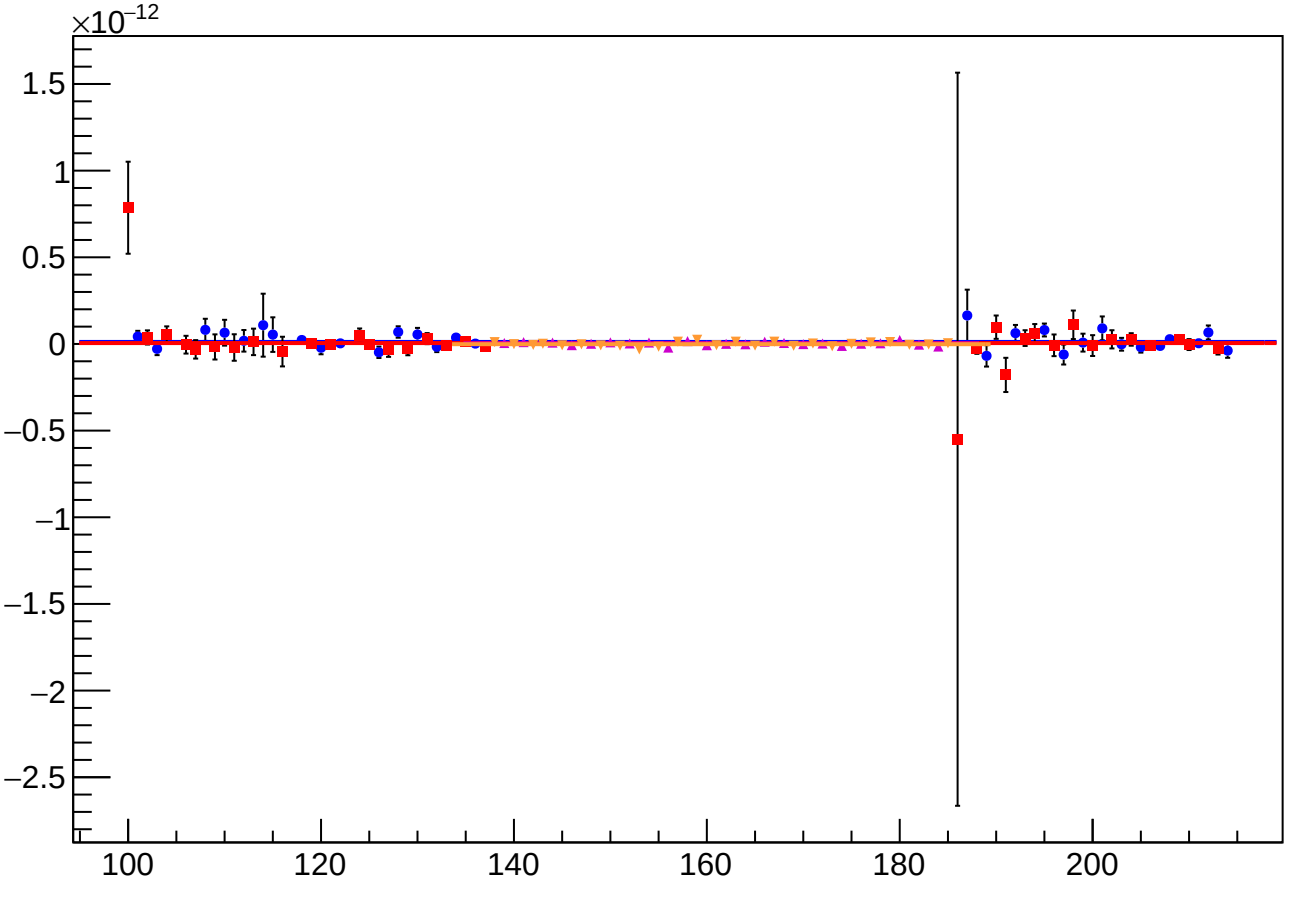
Right Out: 44.435+/-0.008 χ^2/NDF: 4586248.4/33

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 38.795+/-0.005 χ^2/NDF: 9492780.4/54

All: 39.462+/-0.004 χ^2/NDF: 17638207.8/11

- sign 40.179+/-0.005 χ^2/NDF: 8106605.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/29

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

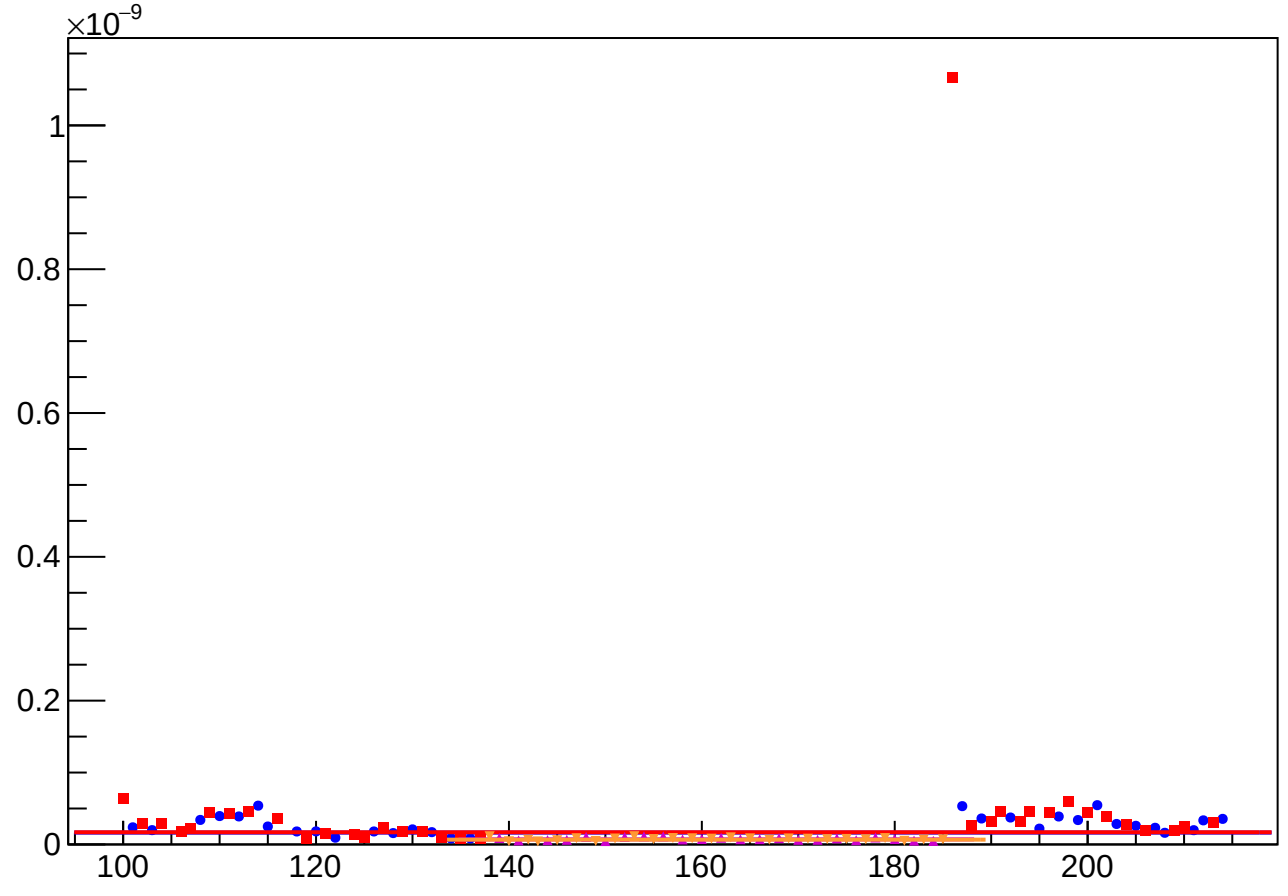
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/33

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.8/54

All: 0.000+/-0.000 χ^2/NDF: 115.5/111

- sign 0.000+/-0.000 χ^2/NDF: 50.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6130583.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7663163.0/33

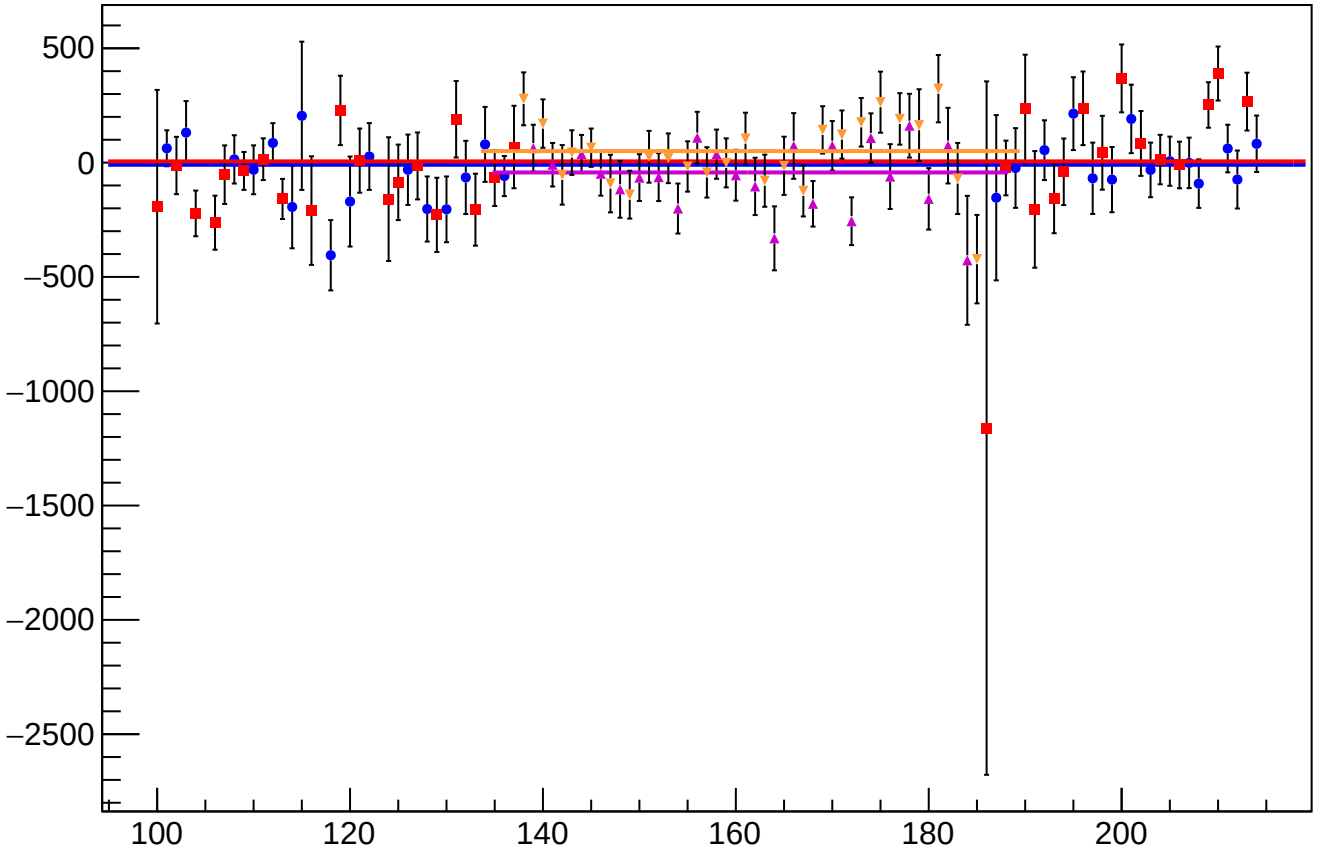
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13931764.5/54

All: 0.000+/-0.000 χ^2/NDF: 28597310.3/111

- sign 0.000+/-0.000 χ^2/NDF: 14594995.3/56

reg_asym_sam_1548_avg_mean vs Slug



Right In: -9.466+/-23.277 χ^2/NDF: 22.9/29

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 5.379+/-22.956 χ^2/NDF: 56.6/33

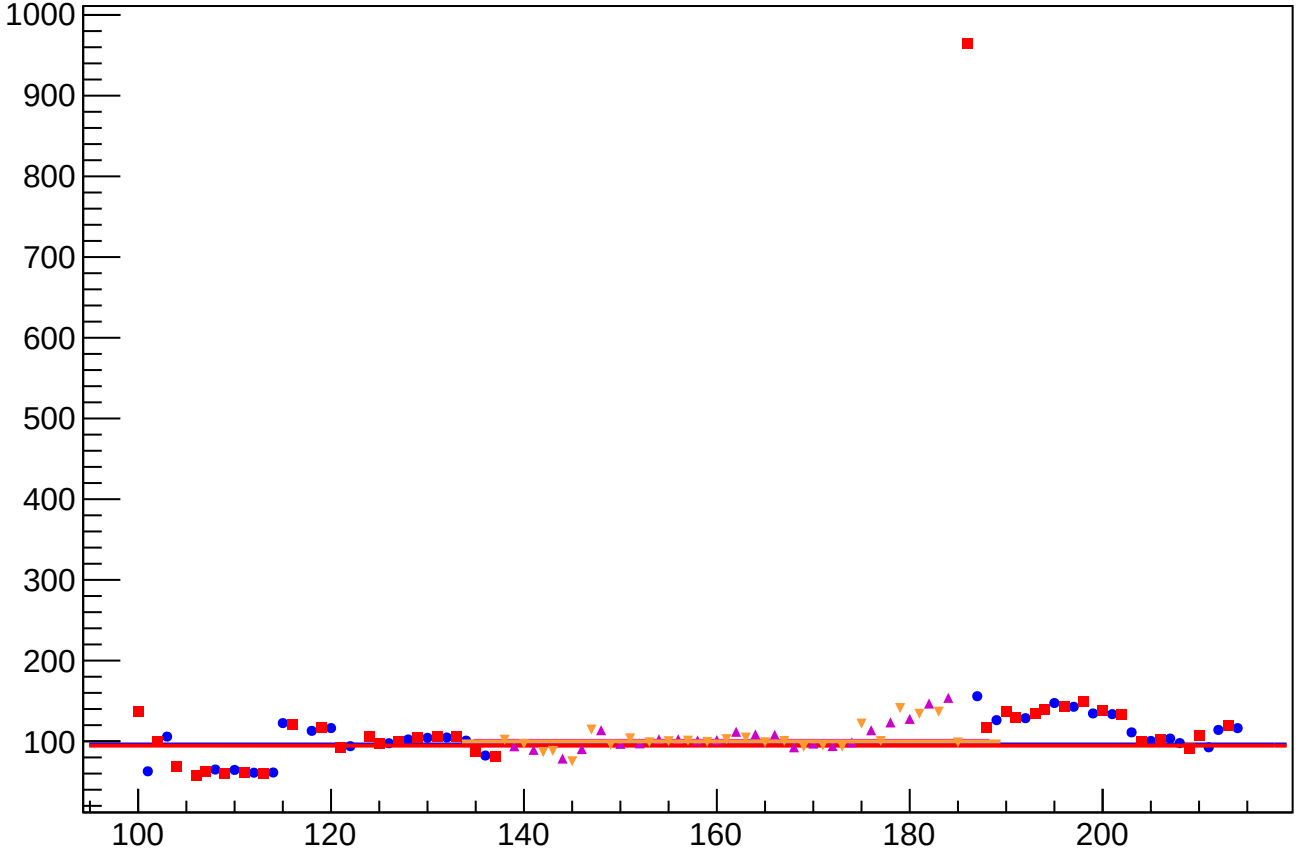
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.837+/-16.345 χ^2/NDF: 59.7/54

All: 1.615+/-11.615 χ^2/NDF: 147.9/111

- sign -17.993+/-16.509 χ^2/NDF: 85.4/56

reg_asym_sam_1548_avg_rms vs Slug



Right In: 96.026+/-0.016 χ^2/NDF: 2277191.0/29

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 94.644+/-0.016 χ^2/NDF: 3538042.9/33

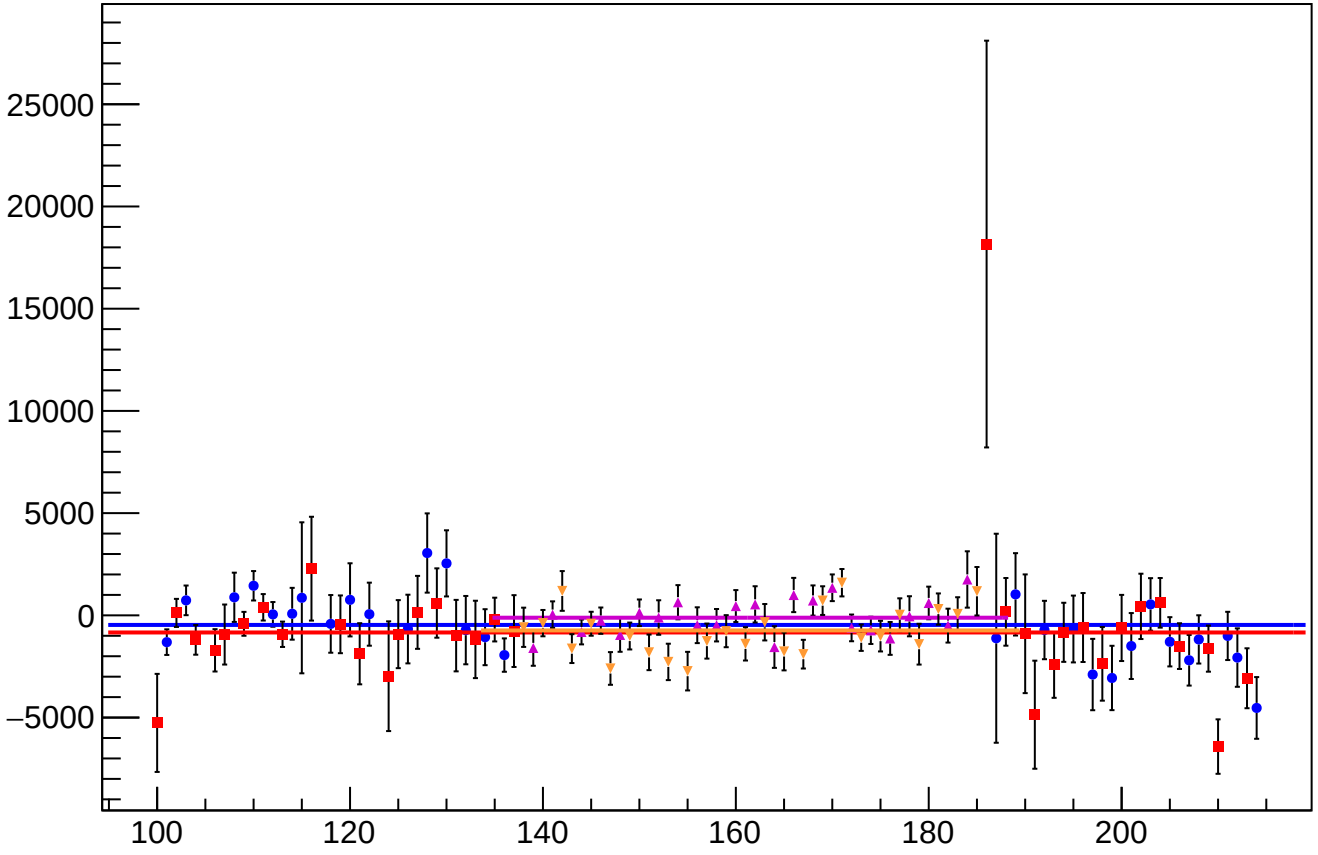
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.959+/-0.012 χ^2/NDF: 3002160.7/54

All: 97.717+/-0.008 χ^2/NDF: 7260726.4/111

\- sign 97.471+/-0.012 χ^2/NDF: 4257682.4/56

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -468.791+/-214.575 χ^2/NDF: 42.5/29

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -837.739+/-204.927 χ^2/NDF: 45.5/33

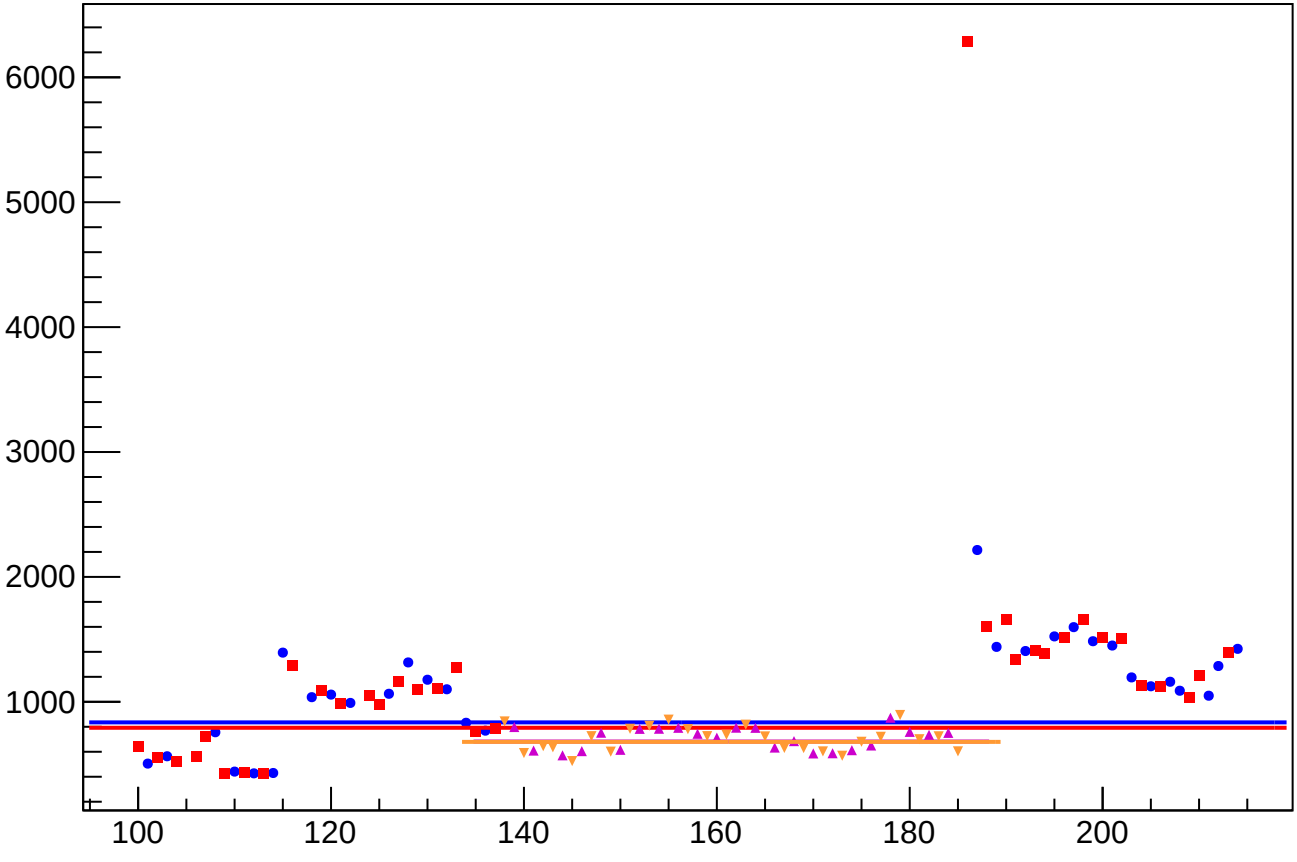
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -644.906+/-126.342 χ^2/NDF: 93.2/54

All: -518.316+/-89.427 χ^2/NDF: 172.2/111

- sign -391.216+/-126.597 χ^2/NDF: 76.9/56

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 835.256+/-0.152 χ^2/NDF: 6098613.9/29

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 792.123+/-0.145 χ^2/NDF: 7904076.7/33

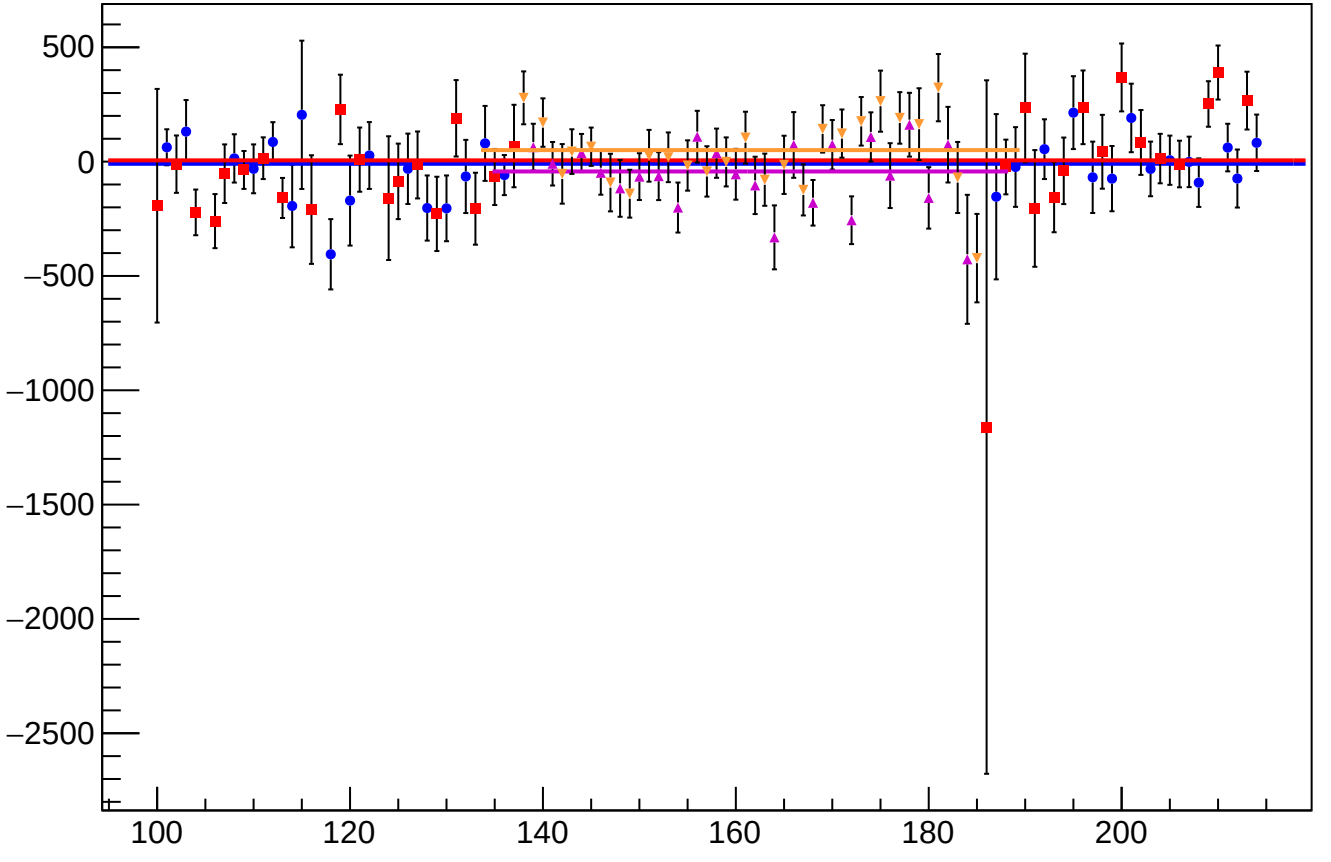
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 733.268+/-0.089 χ^2/NDF: 7527625.9/54

All: 728.624+/-0.063 χ^2/NDF: 16368762.0/11

- sign 723.961+/-0.090 χ^2/NDF: 8835720.1/56

cor_asym_sam_1548_avg_mean vs Slug



Right In: -9.468+/-23.277 χ^2/NDF: 22.9/29

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 5.536+/-22.957 χ^2/NDF: 56.5/33

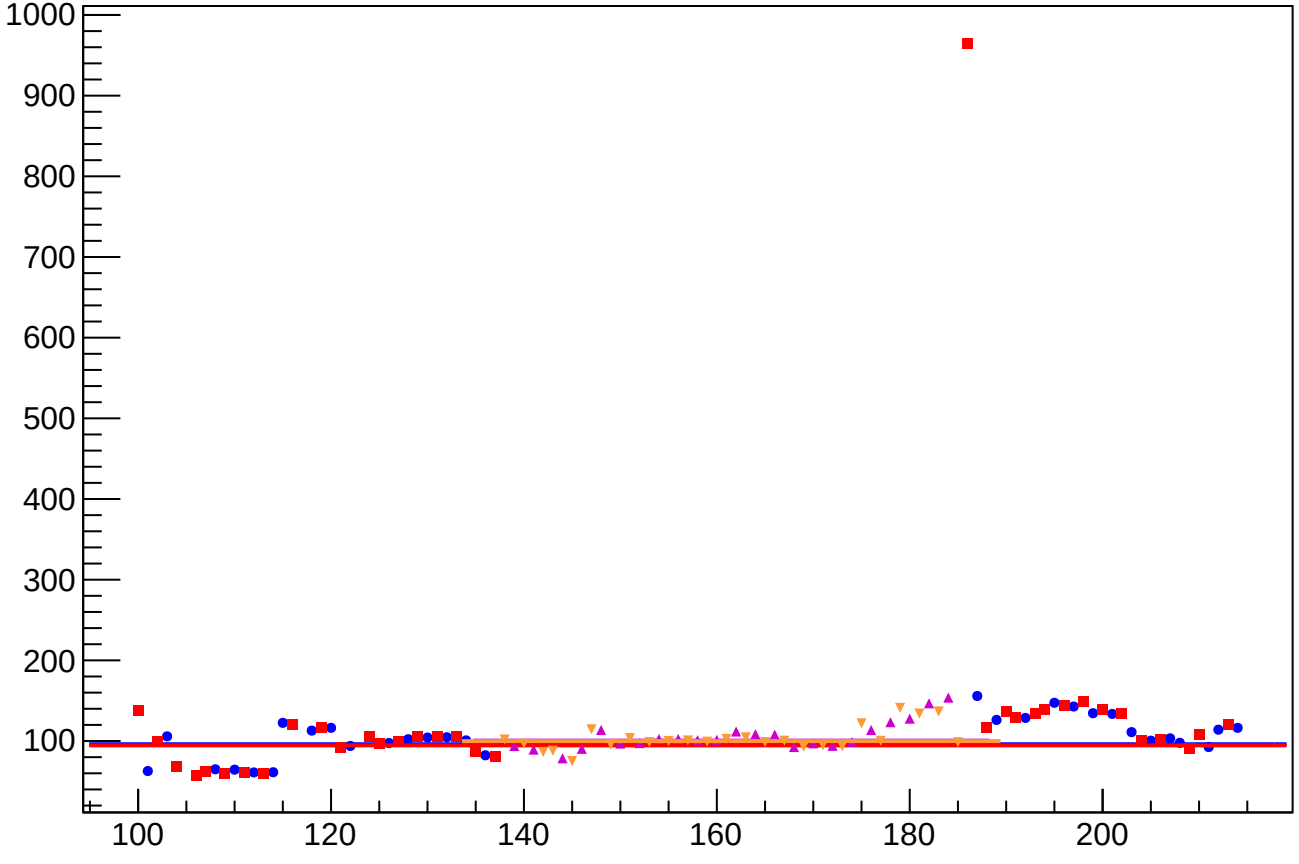
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.840+/-16.345 χ^2/NDF: 59.7/54

All: 1.657+/-11.615 χ^2/NDF: 147.8/111

- sign -17.913+/-16.509 χ^2/NDF: 85.3/56

cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.026+/-0.016 χ^2/NDF: 2277192.1/29

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 94.634+/-0.016 χ^2/NDF: 3541468.7/33

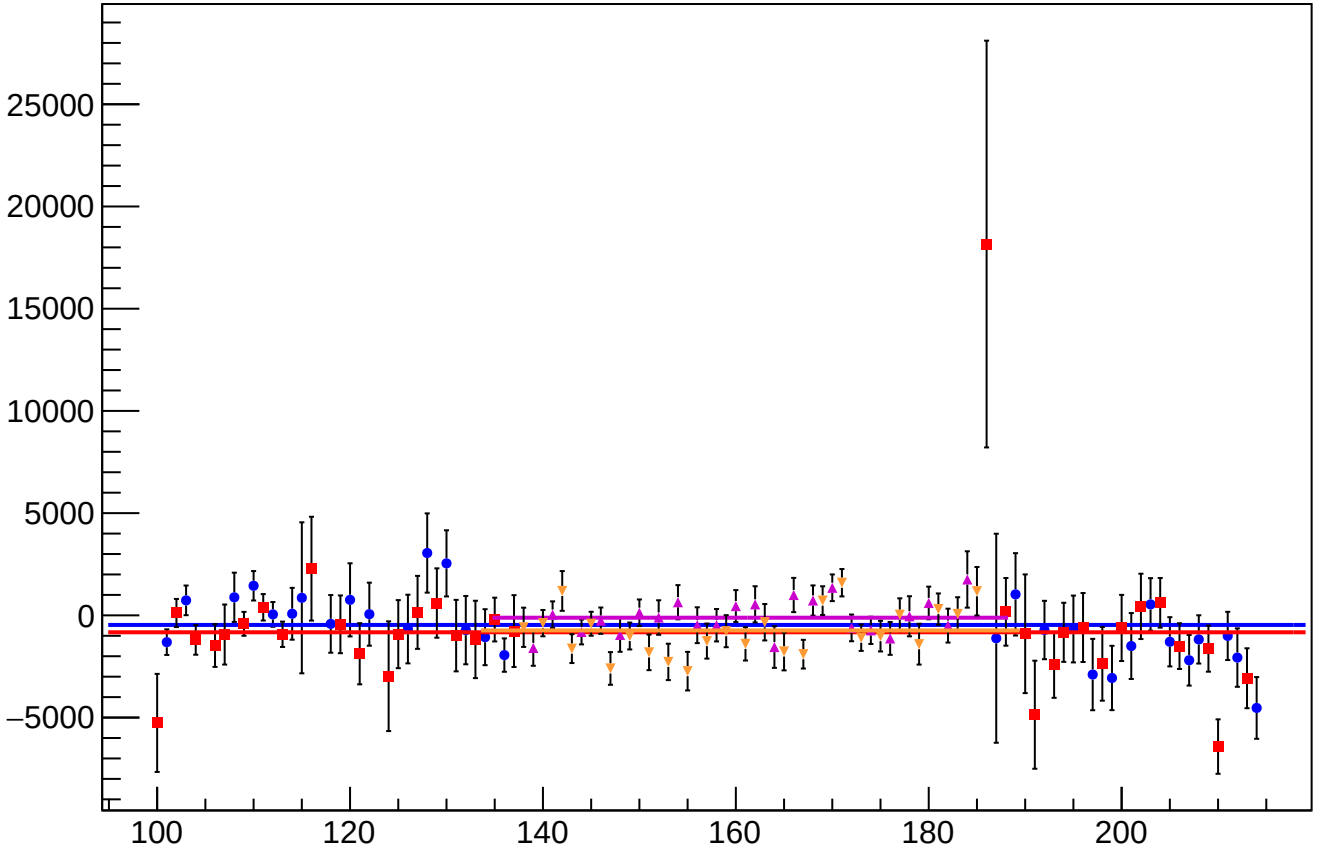
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.959+/-0.012 χ^2/NDF: 3002161.7/54

All: 97.715+/-0.008 χ^2/NDF: 7264379.0/111

\- sign 97.466+/-0.012 χ^2/NDF: 4261316.1/56

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -468.816+/-214.577 χ^2/NDF: 42.5/29

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -828.438+/-205.021 χ^2/NDF: 45.1/33

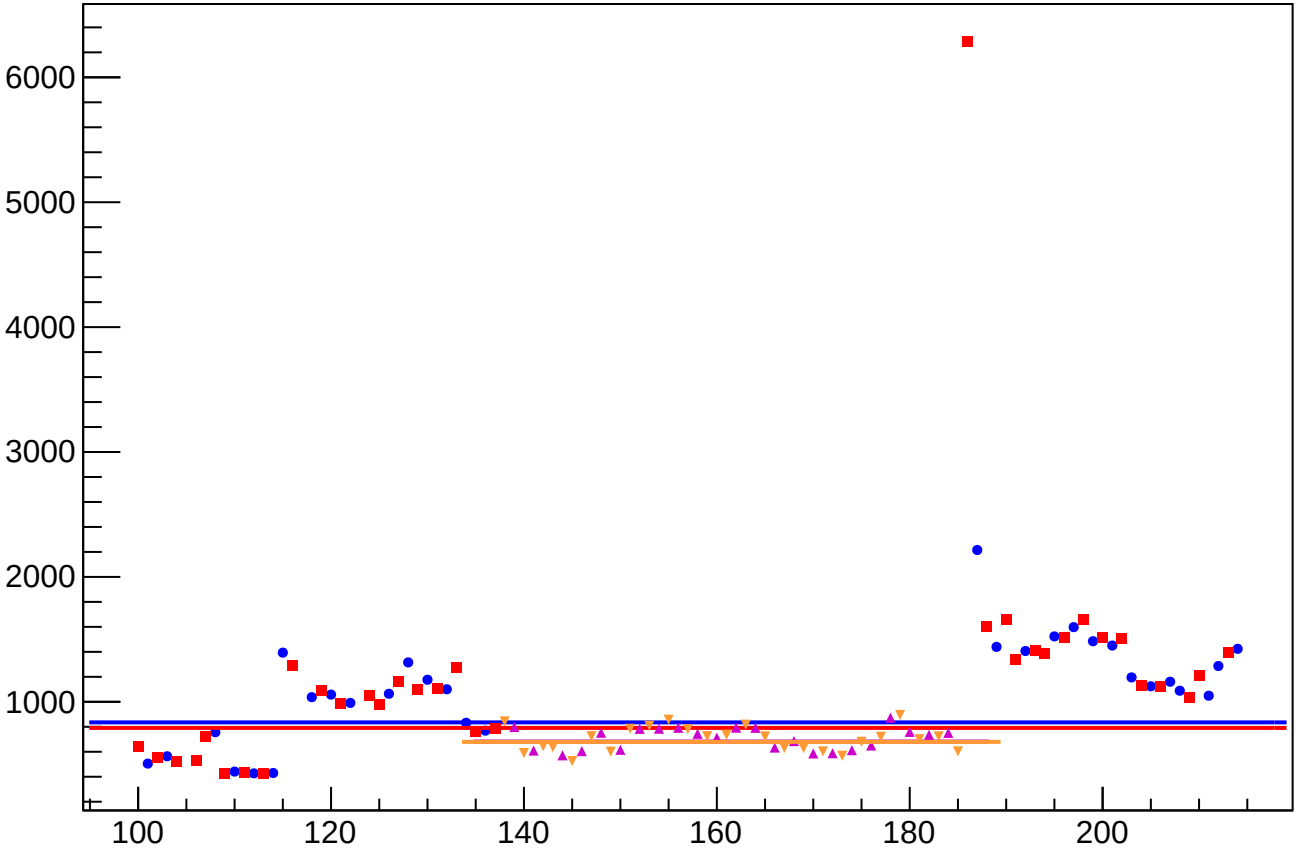
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -644.907+/-126.343 χ^2/NDF: 93.2/54

All: -516.491+/-89.435 χ^2/NDF: 171.7/111

- sign -387.513+/-126.619 χ^2/NDF: 76.4/56

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 835.265+/-0.152 χ^2/NDF: 6098442.0/29

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 791.058+/-0.145 χ^2/NDF: 7931812.0/33

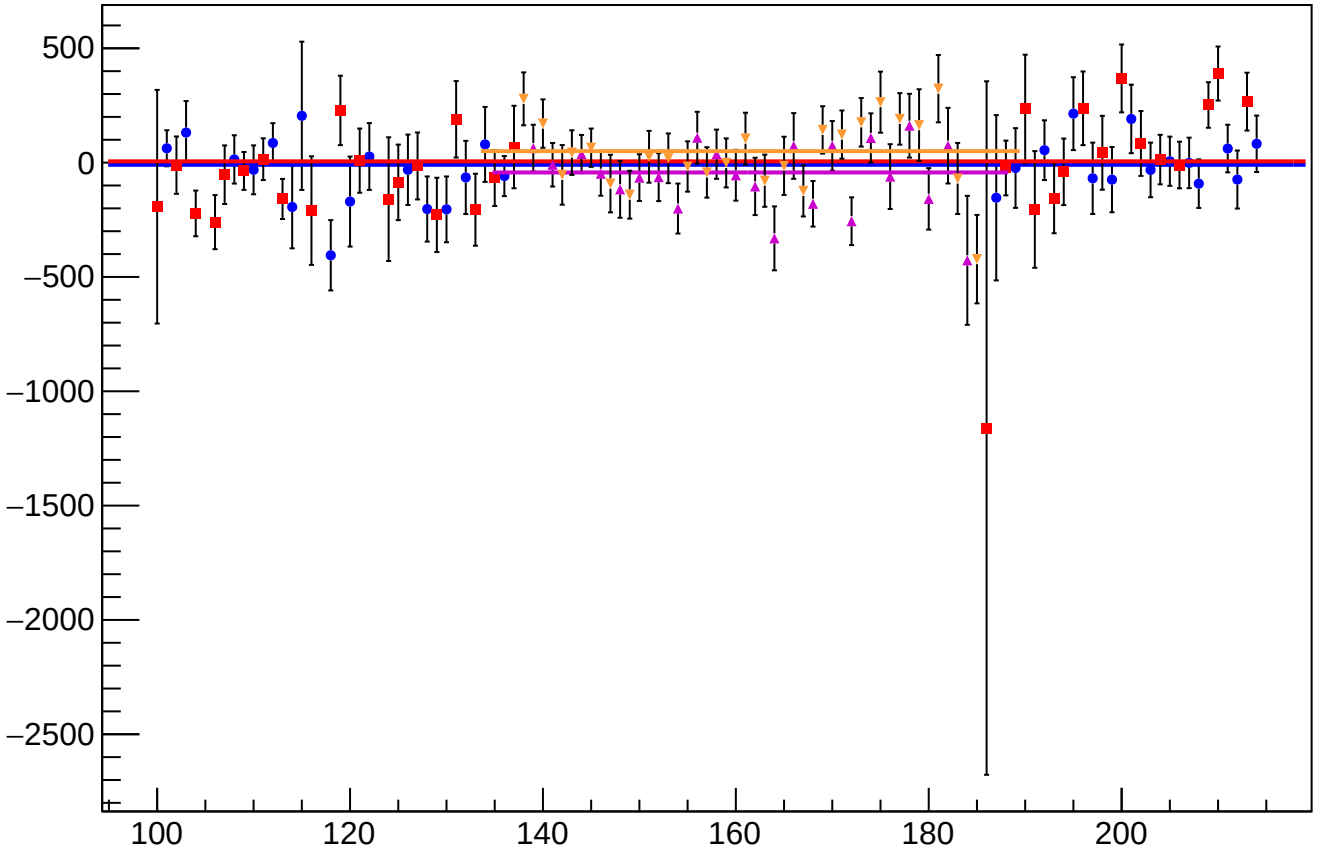
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 733.271+/-0.089 χ^2/NDF: 7527530.2/54

All: 728.411+/-0.063 χ^2/NDF: 16389836.6/11

- sign 723.531+/-0.090 χ^2/NDF: 8856376.1/56

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -9.468+/-23.277 χ^2/NDF: 22.9/29

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 5.536+/-22.957 χ^2/NDF: 56.5/33

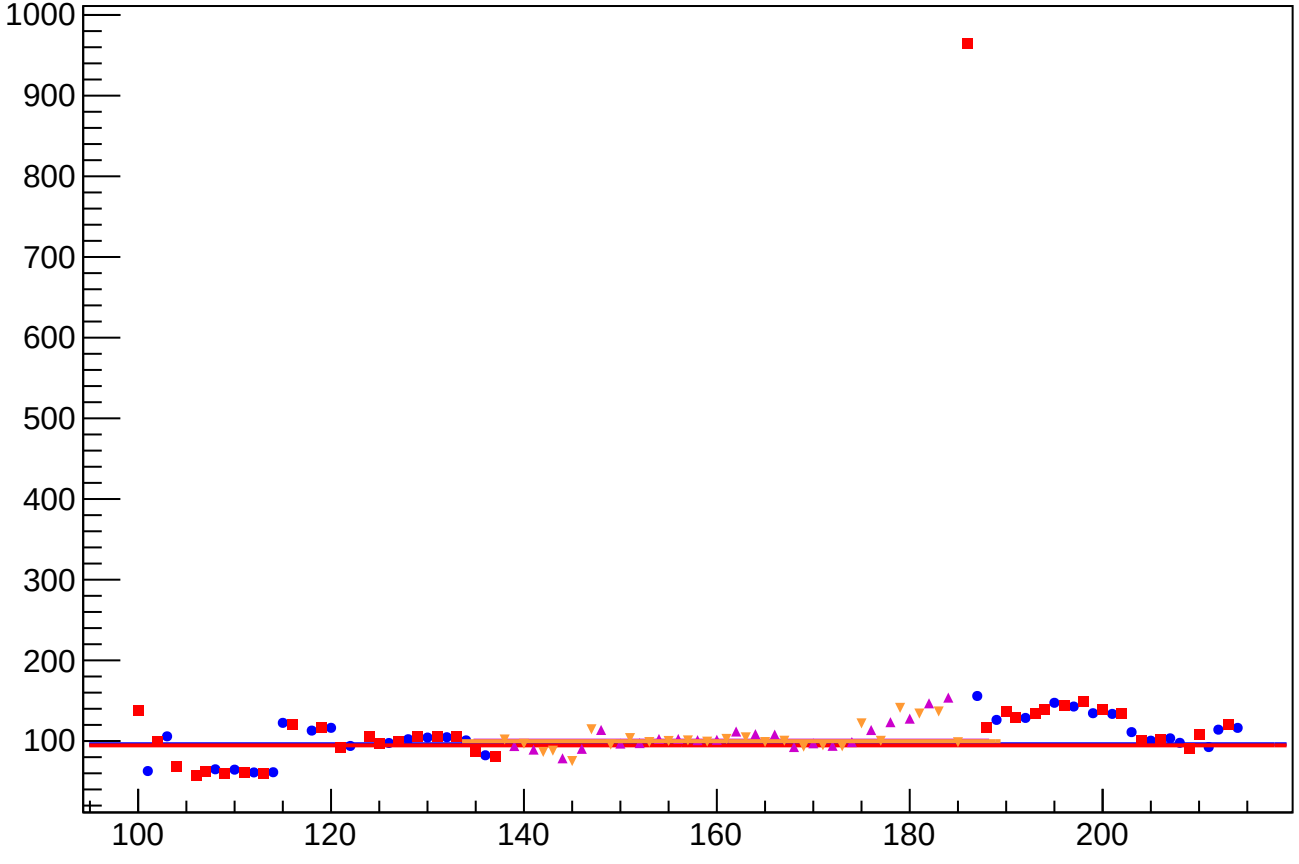
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 20.840+/-16.345 χ^2/NDF: 59.7/54

All: 1.657+/-11.615 χ^2/NDF: 147.8/111

- sign -17.913+/-16.509 χ^2/NDF: 85.3/56

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 96.026+/-0.016 χ^2/NDF: 2277192.1/29

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

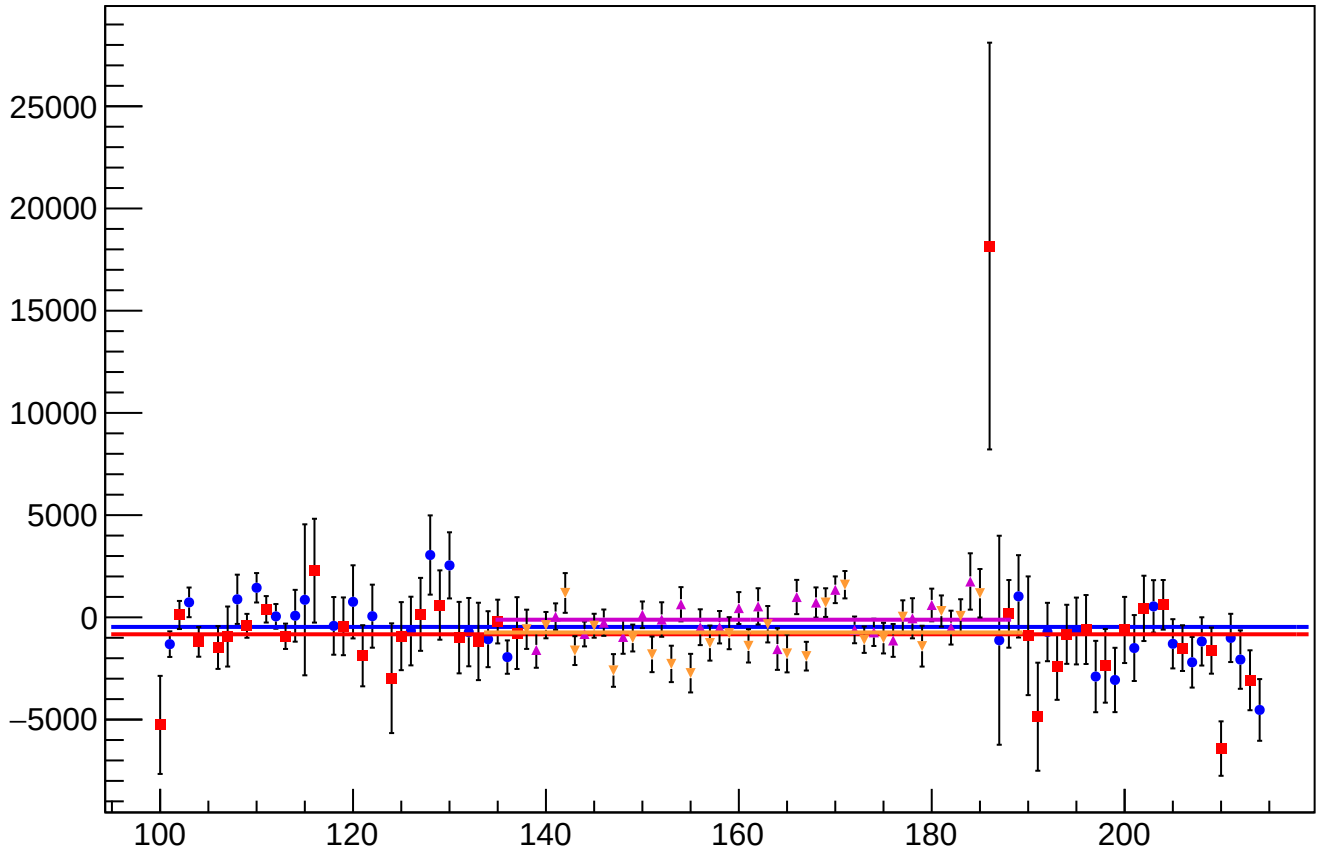
Right Out: 94.634+/-0.016 χ^2/NDF: 3541468.7/33

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.959+/-0.012 χ^2/NDF: 3002161.7/54

All: 97.715+/-0.008 χ^2/NDF: 7264379.0/111

\- sign 97.466+/-0.012 χ^2/NDF: 4261316.1/56



Right In: -468.816+/-214.577 χ^2/NDF: 42.5/29

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -828.438+/-205.021 χ^2/NDF: 45.1/33

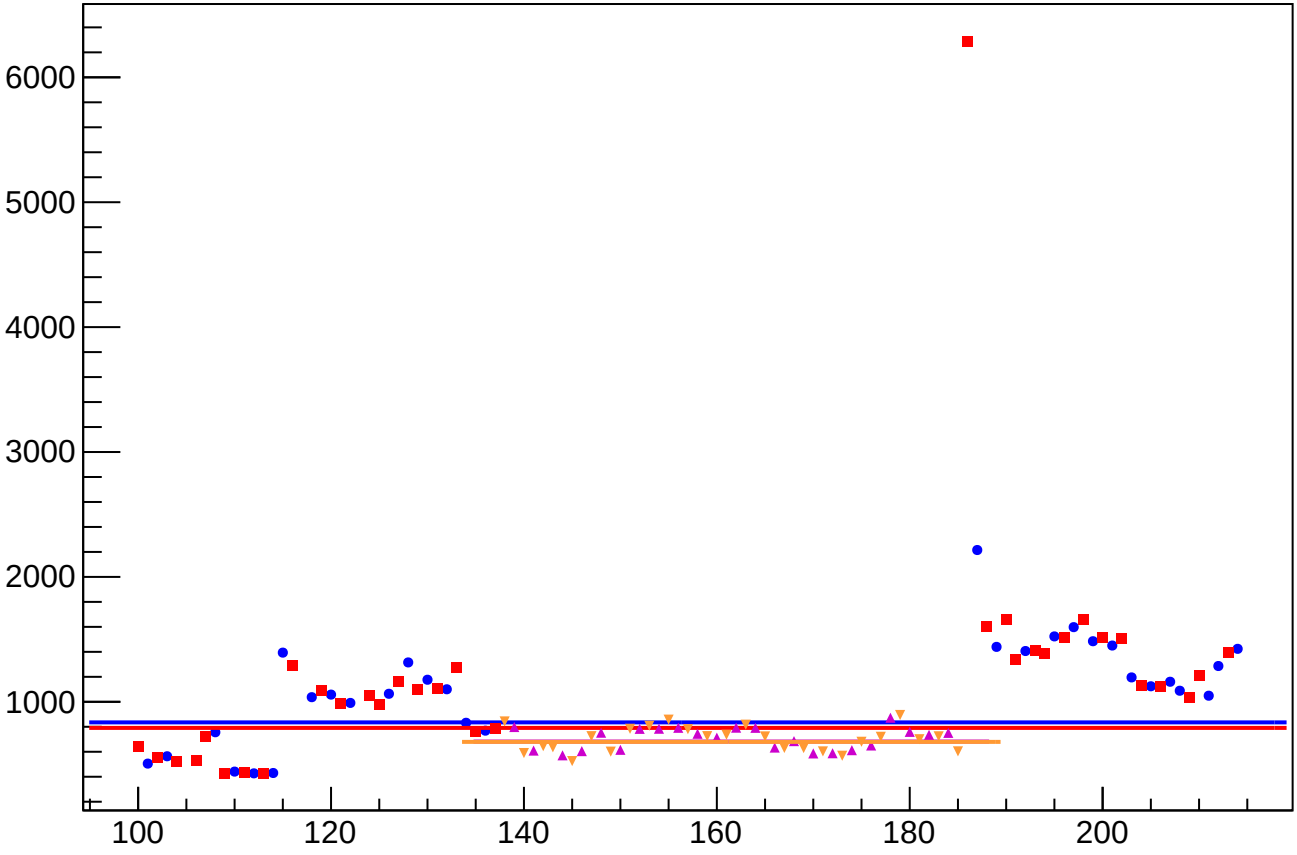
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -644.907+/-126.343 χ^2/NDF: 93.2/54

All: -516.491+/-89.435 χ^2/NDF: 171.7/111

- sign -387.513+/-126.619 χ^2/NDF: 76.4/56

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug



Right In: 835.265+/-0.152 χ^2/NDF: 6098442.0/29

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 791.058+/-0.145 χ^2/NDF: 7931812.0/33

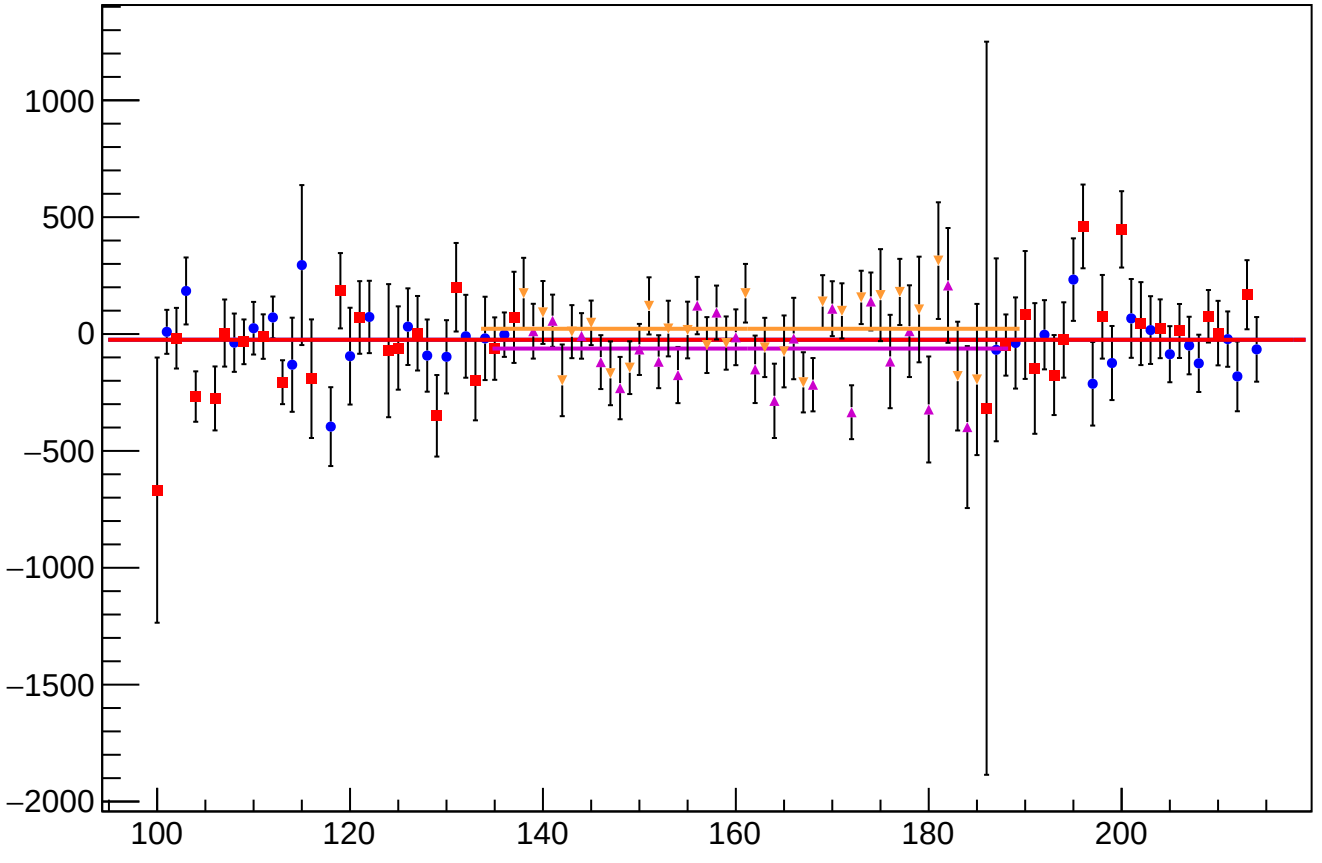
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 733.271+/-0.089 χ^2/NDF: 7527530.2/54

All: 728.411+/-0.063 χ^2/NDF: 16389836.6/1

- sign 723.531+/-0.090 χ^2/NDF: 8856376.1/56

dit_asym_sam_1548_avg_mean vs Slug



Right In: -24.365+/-25.887 χ^2/NDF: 16.9/29

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -24.644+/-25.450 χ^2/NDF: 42.5/33

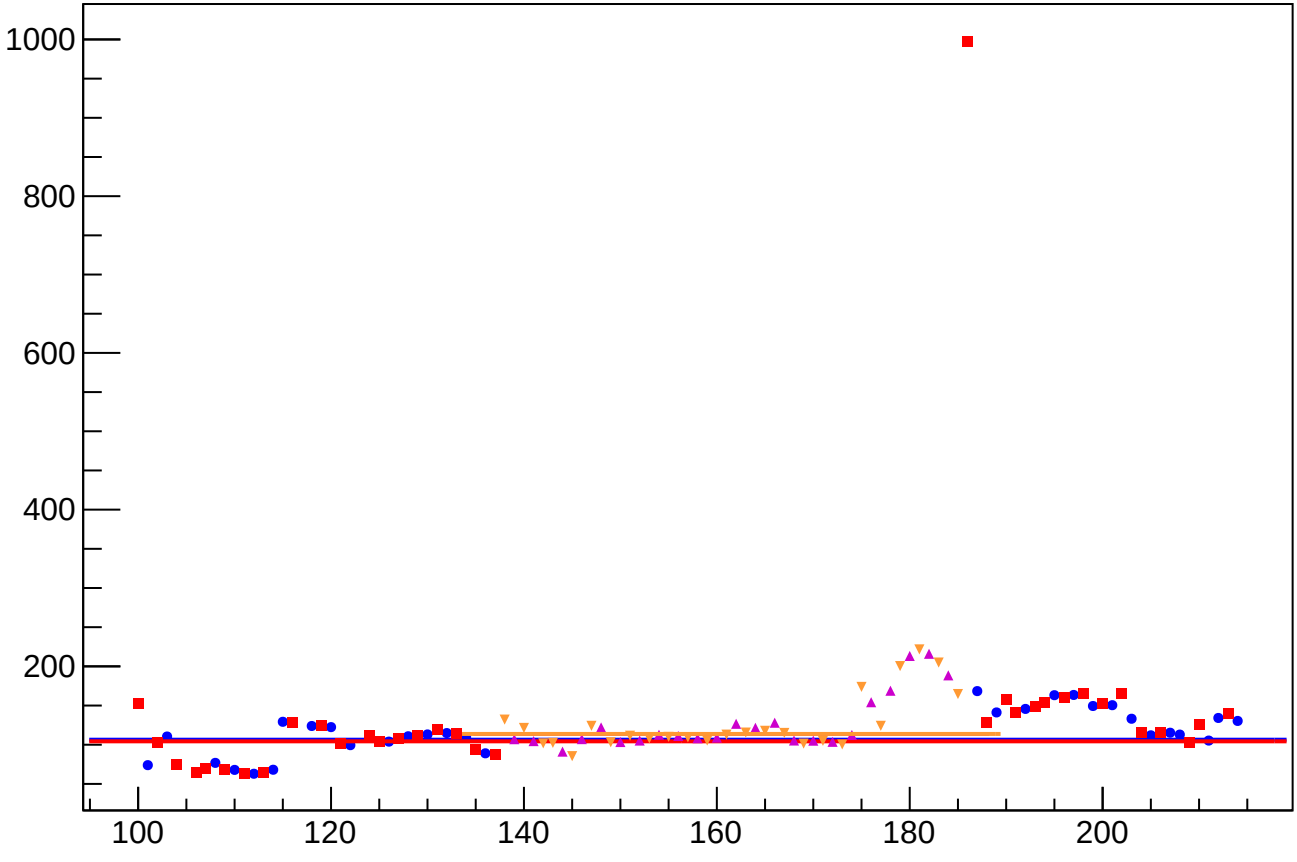
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -1.587+/-18.566 χ^2/NDF: 40.1/54

All: -21.759+/-13.150 χ^2/NDF: 113.3/111

- sign -42.066+/-18.628 χ^2/NDF: 70.8/56

dit_asym_sam_1548_avg_rms vs Slug



Right In: 106.411+/-0.018 χ^2/NDF: 2423156.0/29

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 104.334+/-0.018 χ^2/NDF: 3761597.7/33

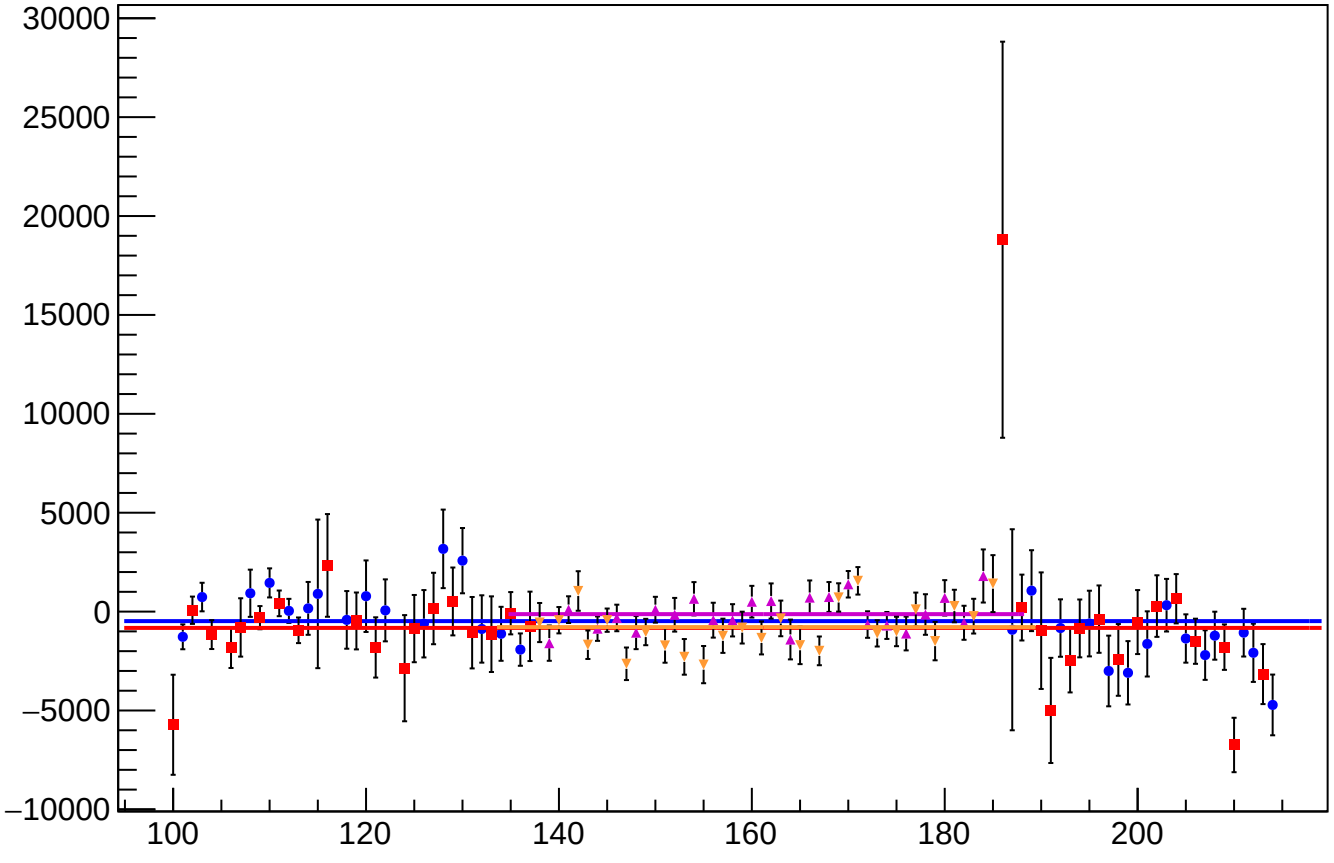
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.983+/-0.013 χ^2/NDF: 4081473.8/54

All: 109.329+/-0.009 χ^2/NDF: 9289210.2/111

- sign 108.672+/-0.013 χ^2/NDF: 5202766.1/56

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -480.634+/-217.335 χ^2/NDF: 42.6/29

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -824.215+/-207.472 χ^2/NDF: 47.5/33

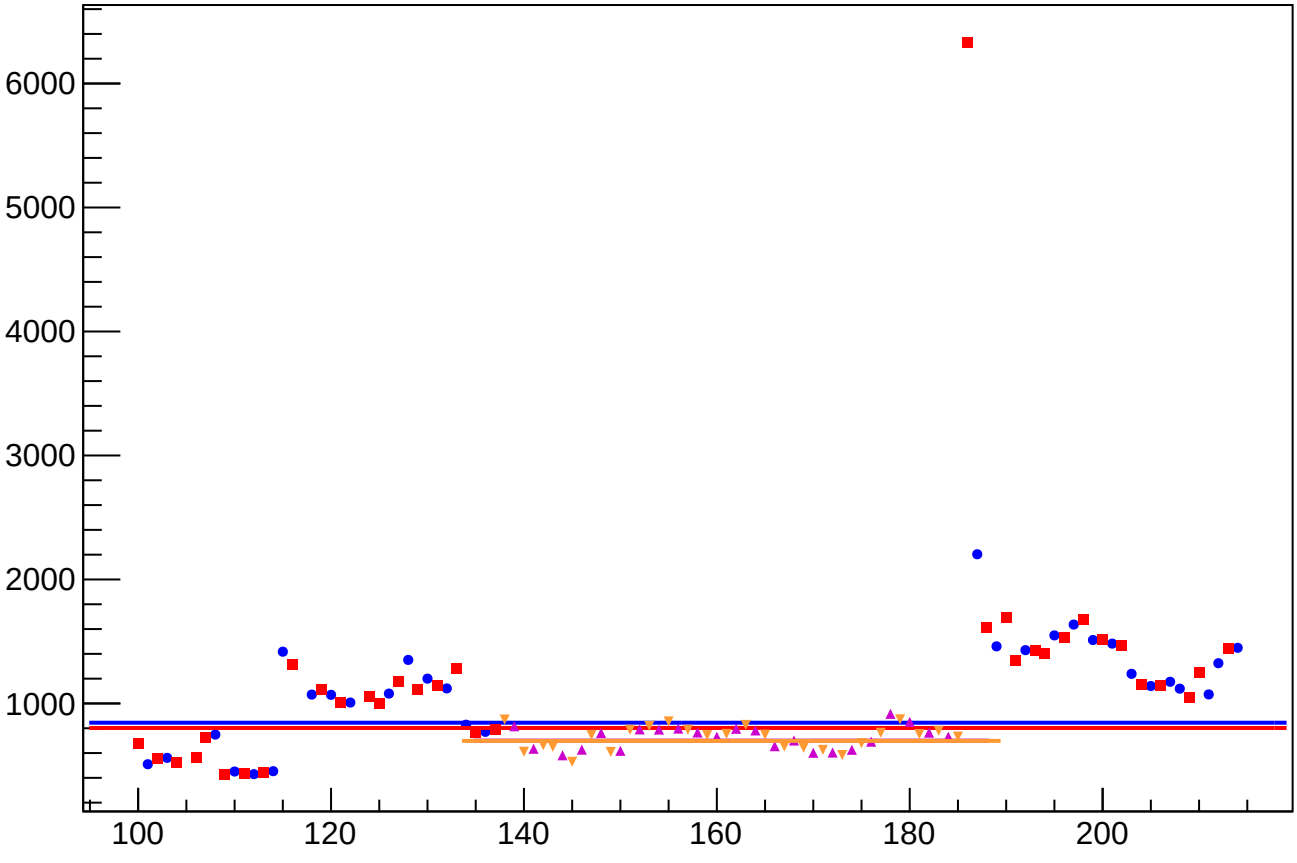
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -677.141+/-129.100 χ^2/NDF: 89.3/54

All: -537.917+/-91.345 χ^2/NDF: 168.7/111

- sign -398.344+/-129.262 χ^2/NDF: 77.1/56

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 844.671+/-0.154 χ^2/NDF: 6218039.4/29

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 802.265+/-0.147 χ^2/NDF: 7911607.0/33

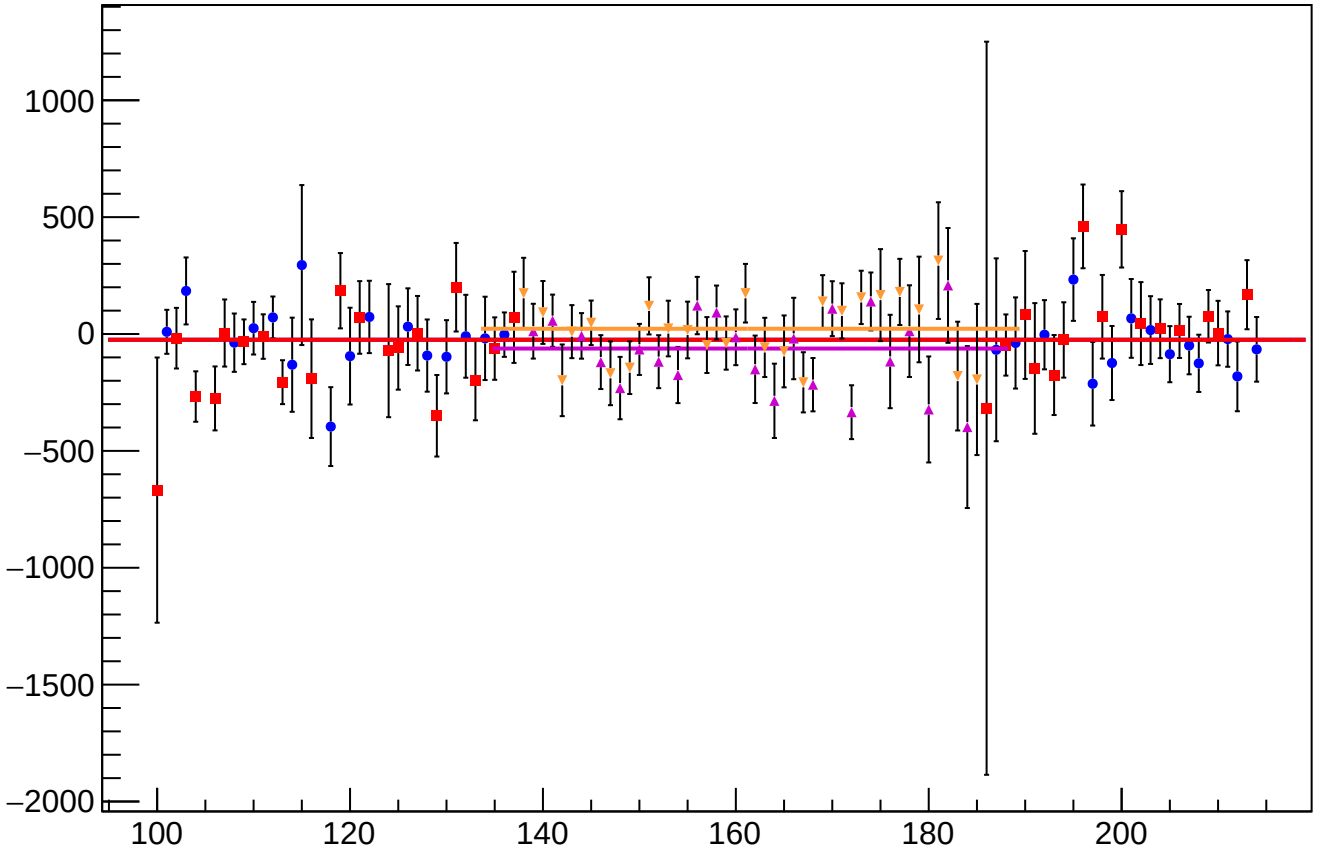
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 749.907+/-0.091 χ^2/NDF: 7520295.8/54

All: 744.832+/-0.065 χ^2/NDF: 16319249.2/11

- sign 739.745+/-0.091 χ^2/NDF: 8792764.7/56

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -24.364+/-25.887 χ^2/NDF: 16.9/29

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -24.643+/-25.450 χ^2/NDF: 42.5/33

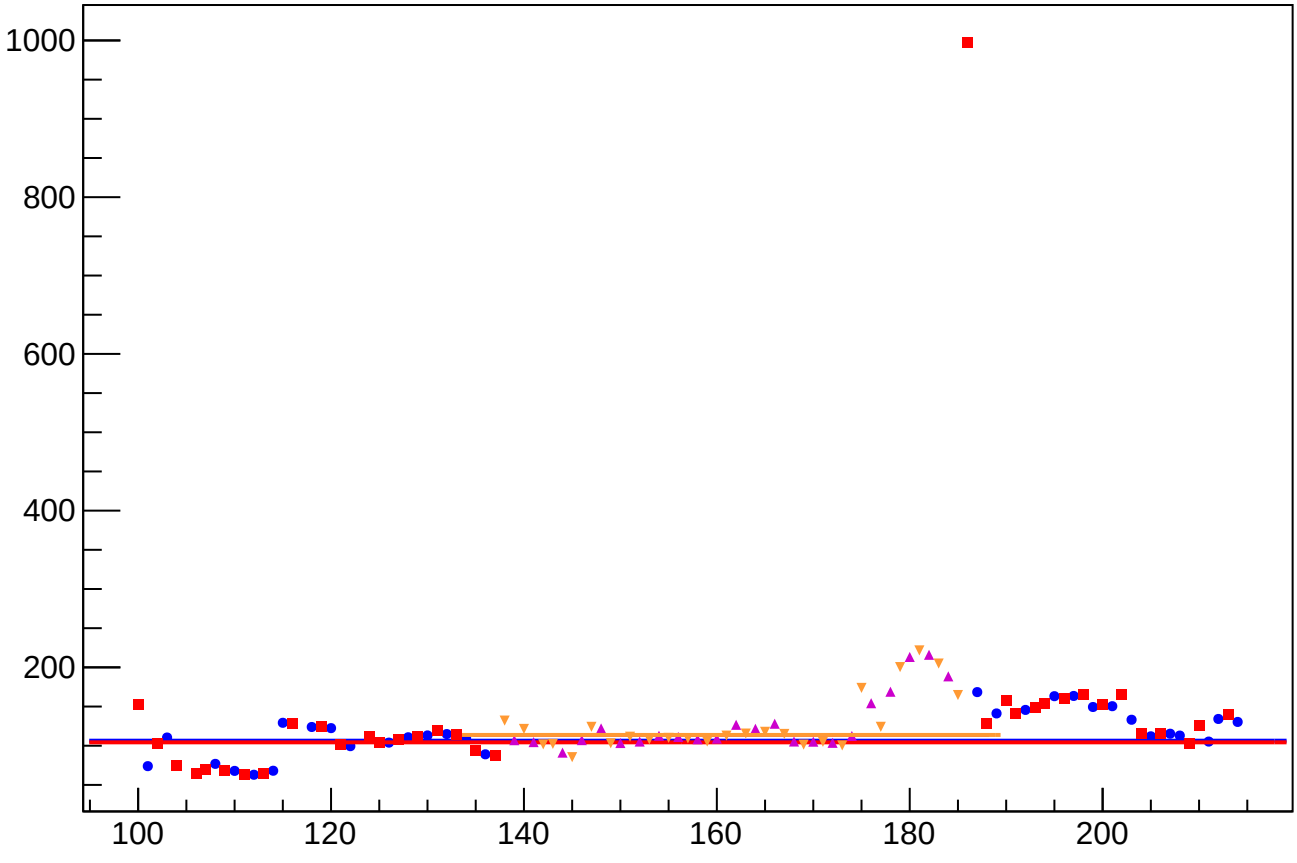
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -1.585+/-18.566 χ^2/NDF: 40.1/54

All: -21.758+/-13.150 χ^2/NDF: 113.3/111

- sign -42.065+/-18.628 χ^2/NDF: 70.8/56

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 106.411+/-0.018 χ^2/NDF: 2423138.5/29

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

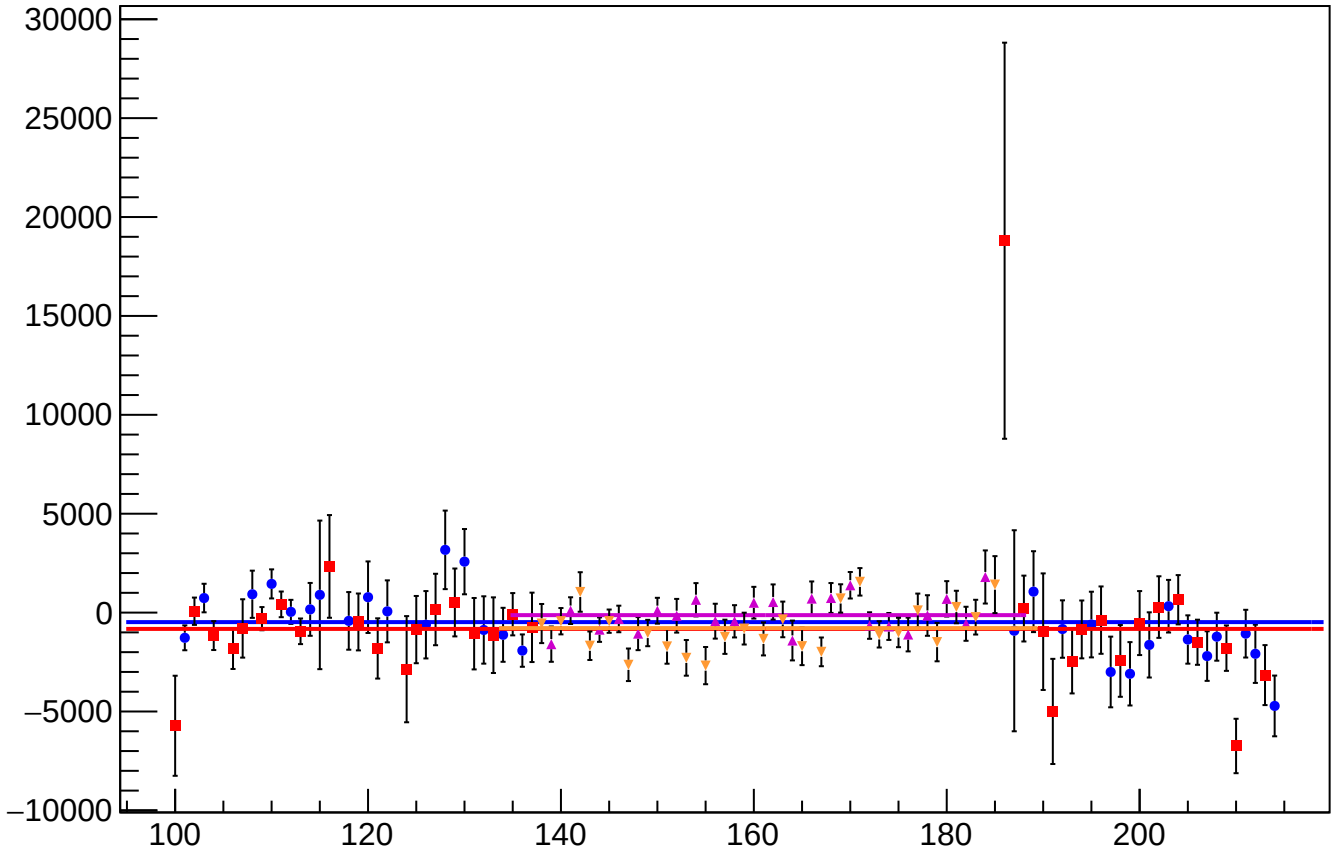
Right Out: 104.334+/-0.018 χ^2/NDF: 3761596.7/33

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.983+/-0.013 χ^2/NDF: 4081450.8/54

All: 109.329+/-0.009 χ^2/NDF: 9289171.0/11

- sign 108.672+/-0.013 χ^2/NDF: 5202750.1/56



Right In: -480.633+/-217.335 χ^2/NDF: 42.6/29

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -824.213+/-207.472 χ^2/NDF: 47.5/33

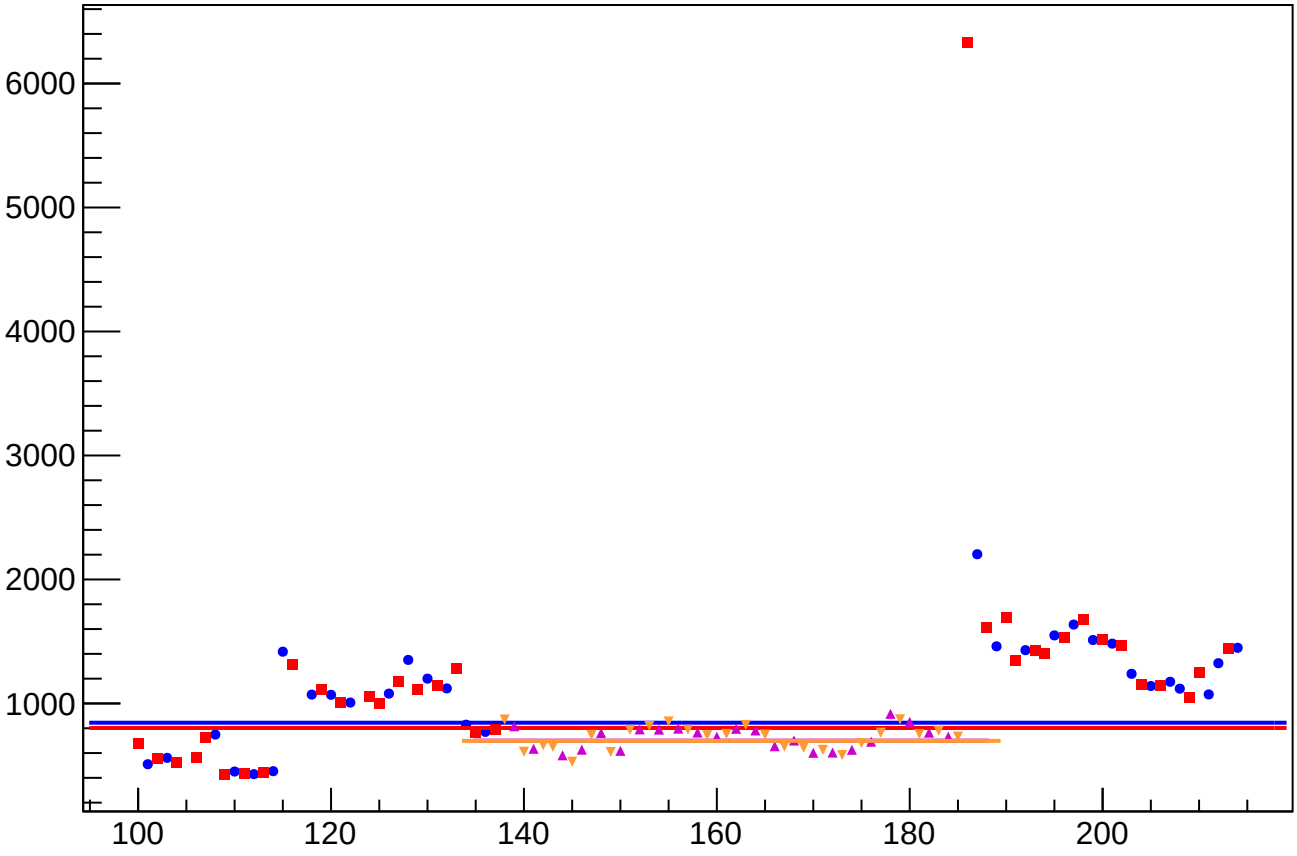
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -677.140+/-129.100 χ^2/NDF: 89.3/54

All: -537.916+/-91.345 χ^2/NDF: 168.7/111

- sign -398.343+/-129.262 χ^2/NDF: 77.1/56

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 844.671+/-0.154 χ^2/NDF: 6218040.9/29

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 802.264+/-0.147 χ^2/NDF: 7911603.0/33

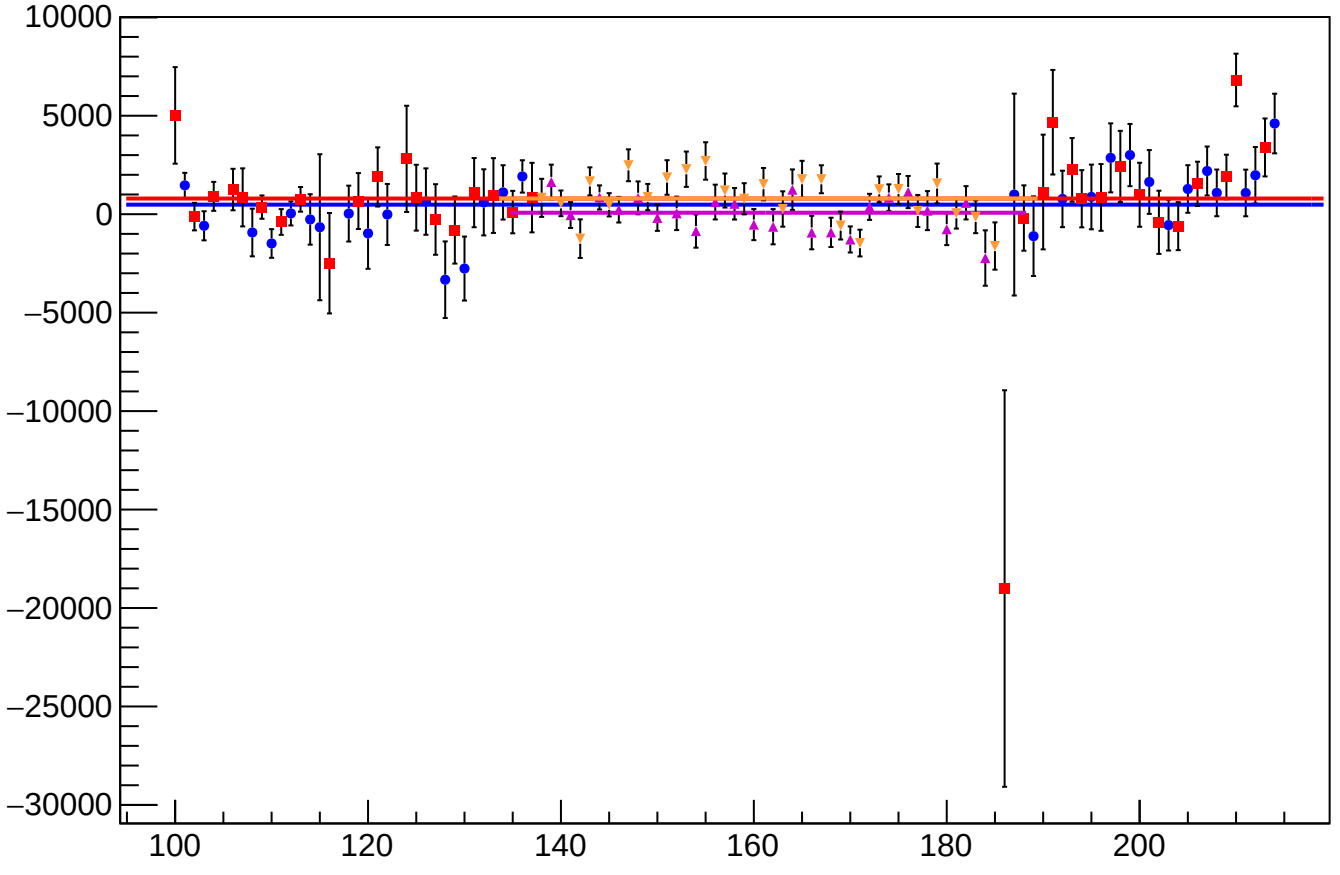
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 749.906+/-0.091 χ^2/NDF: 7520295.5/54

All: 744.831+/-0.065 χ^2/NDF: 16319239.4/11

- sign 739.744+/-0.091 χ^2/NDF: 8792755.4/56

asym_sam_1548_avg_mean vs Slug



Right In: 483.863+/-216.469 χ^2/NDF: 43.7/29

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 794.098+/-206.815 χ^2/NDF: 47.9/33

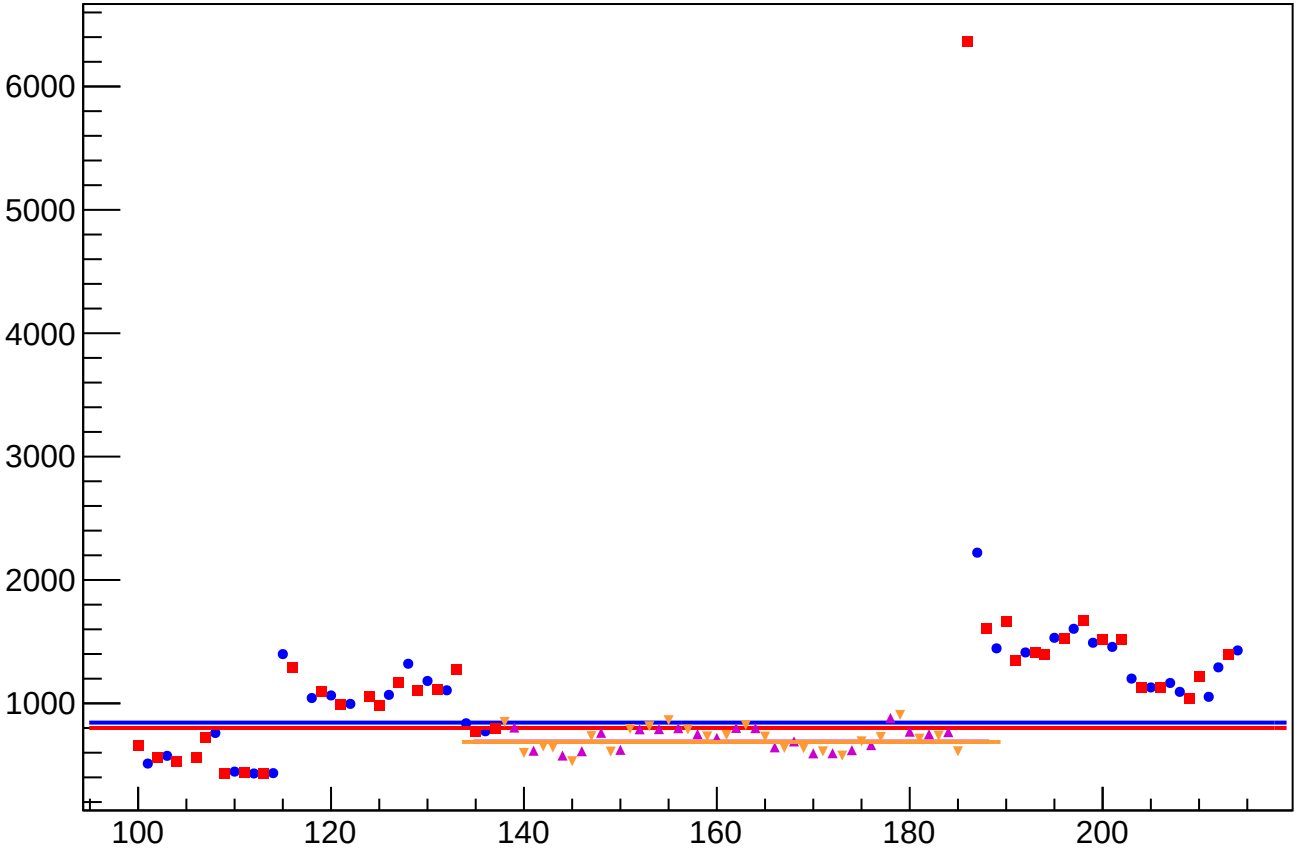
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 687.971+/-127.696 χ^2/NDF: 91.4/54

All: 519.013+/-90.388 χ^2/NDF: 175.2/111

- sign 349.355+/-127.960 χ^2/NDF: 80.3/56

asym_sam_1548_avg_rms vs Slug



Right In: 843.962+/-0.153 χ^2/NDF: 5997476.3/29

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

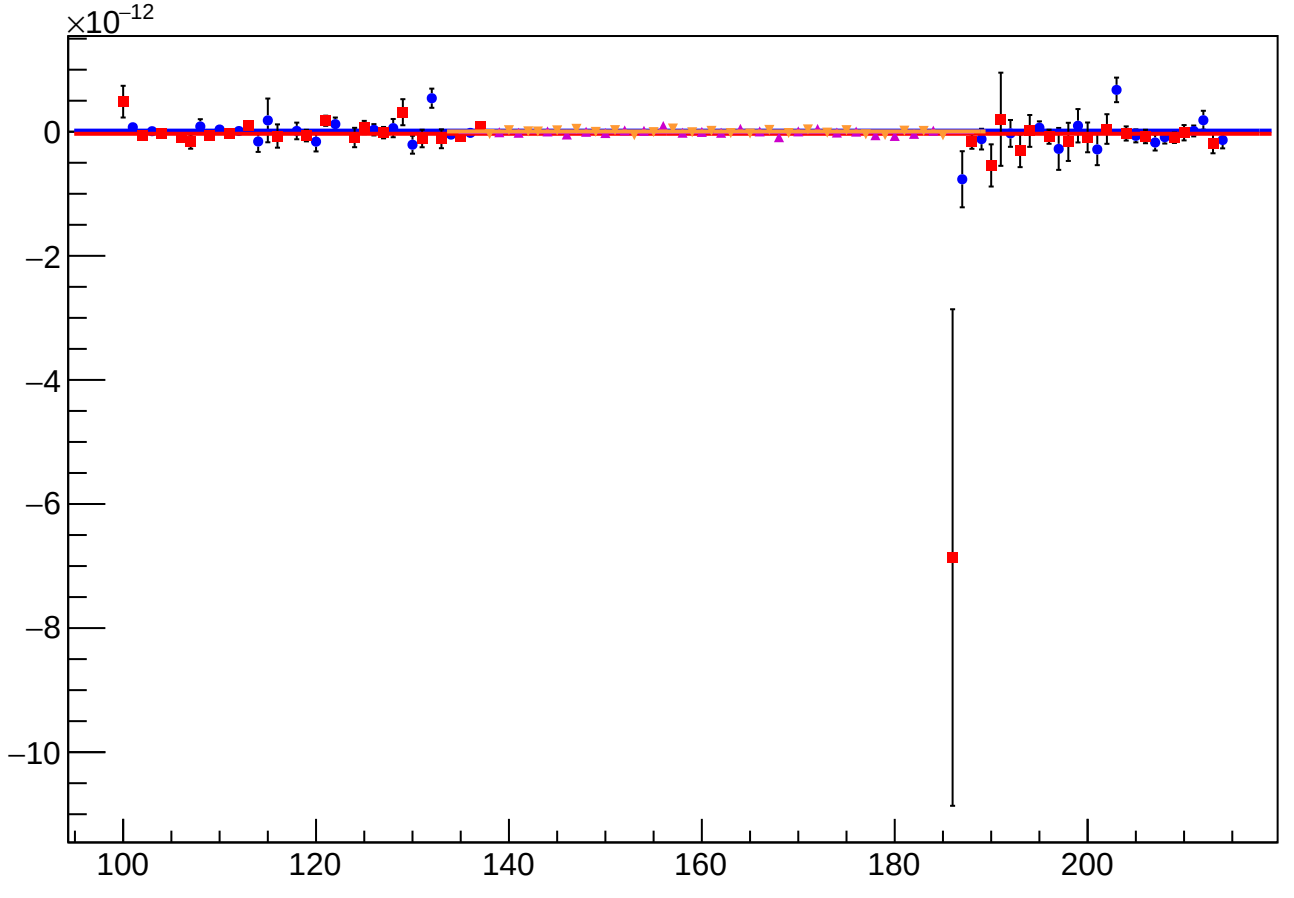
Right Out: 800.531+/-0.146 χ^2/NDF: 7805086.8/33

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 741.779+/-0.090 χ^2/NDF: 7408972.4/54

All: 737.054+/-0.064 χ^2/NDF: 16139227.6/11

- sign 732.311+/-0.090 χ^2/NDF: 8724769.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 47.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

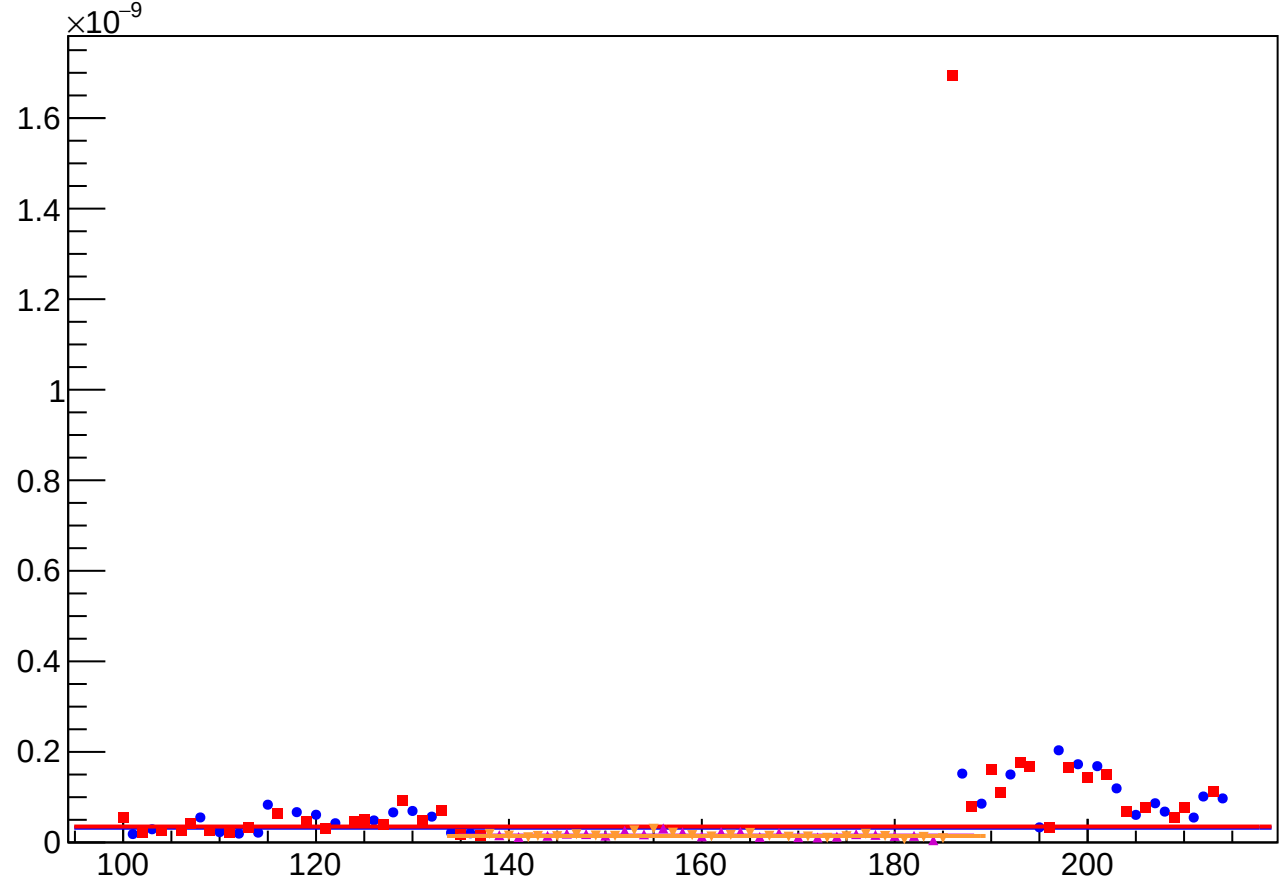
Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/33

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.1/54

All: -0.000+/-0.000 χ^2/NDF: 139.6/111

- sign -0.000+/-0.000 χ^2/NDF: 65.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6468950.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

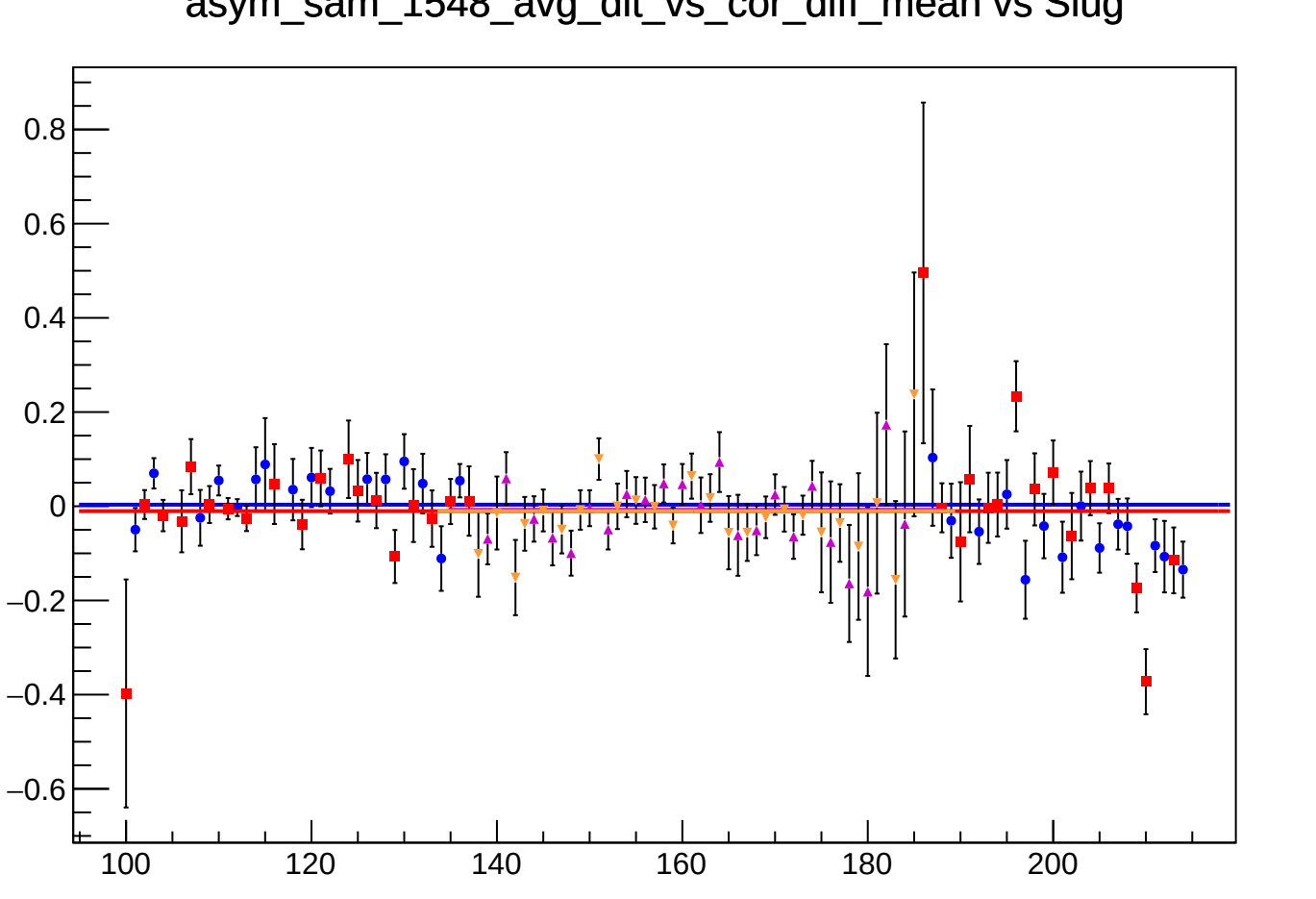
Right Out: 0.000+/-0.000 χ^2/NDF: 5924525.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

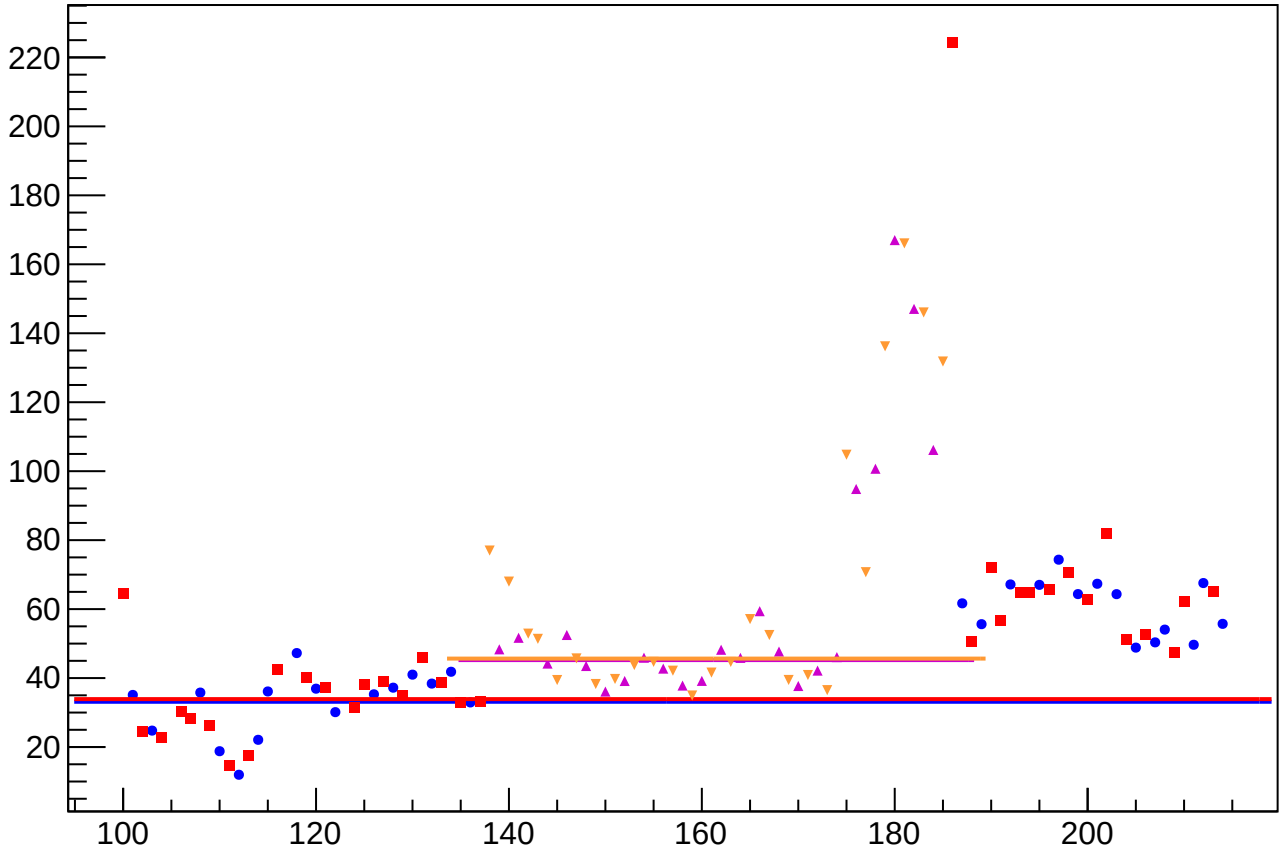
+ sign 0.000+/-0.000 χ^2/NDF: 10342314.7/54

All: 0.000+/-0.000 χ^2/NDF: 20439363.3/111

- sign 0.000+/-0.000 χ^2/NDF: 10050251.4/56


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.003+/-0.009 χ²/NDF: 43.2/29
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.010+/-0.009 χ²/NDF: 70.6/33
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.002+/-0.007 χ²/NDF: 62.1/54
All: -0.006+/-0.005 χ²/NDF: 156.6/111
- sign -0.009+/-0.007 χ²/NDF: 94.0/56

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.131+/-0.006 χ^2/NDF: 7982925.1/29

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

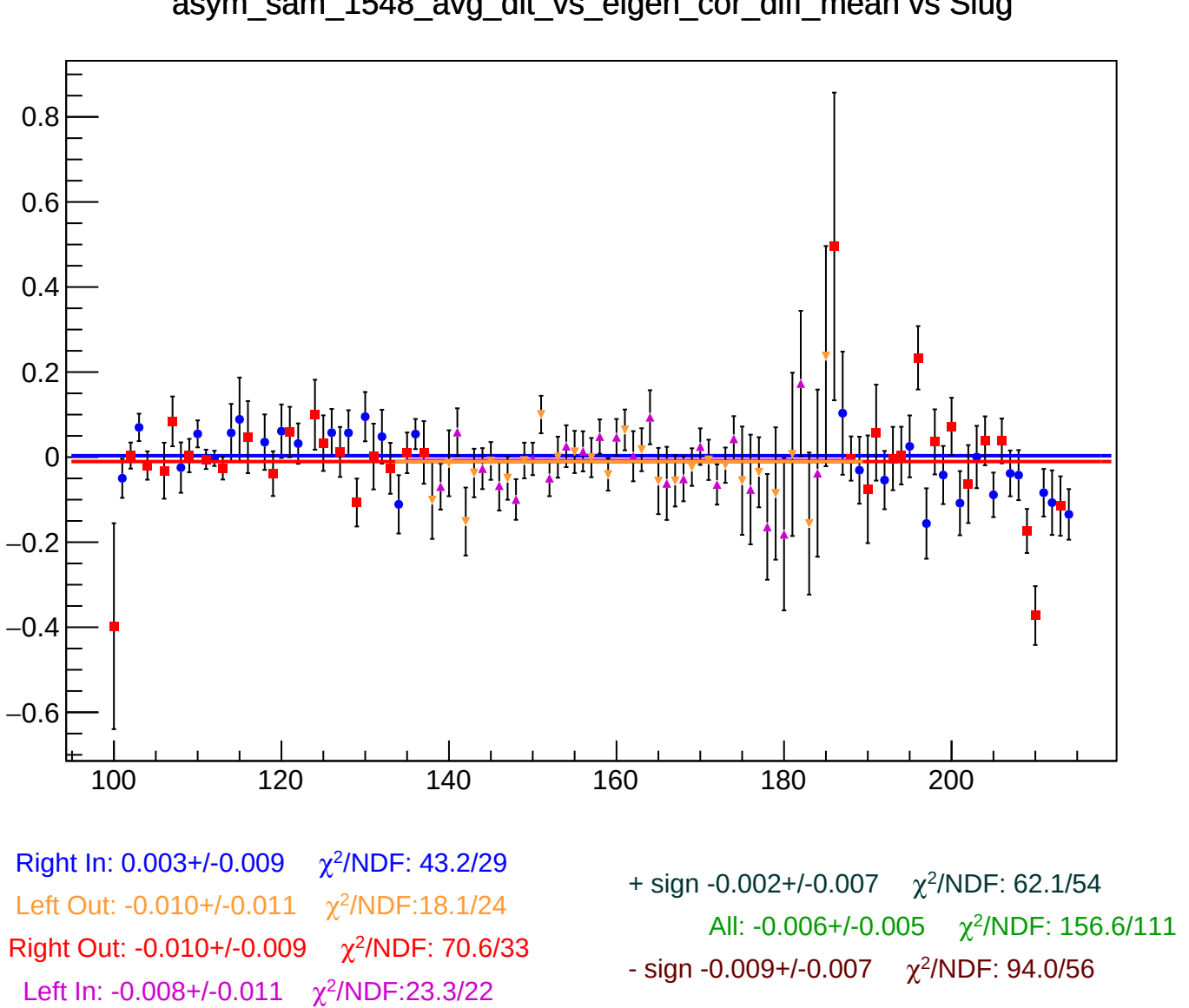
Right Out: 33.899+/-0.006 χ^2/NDF: 7727030.3/33

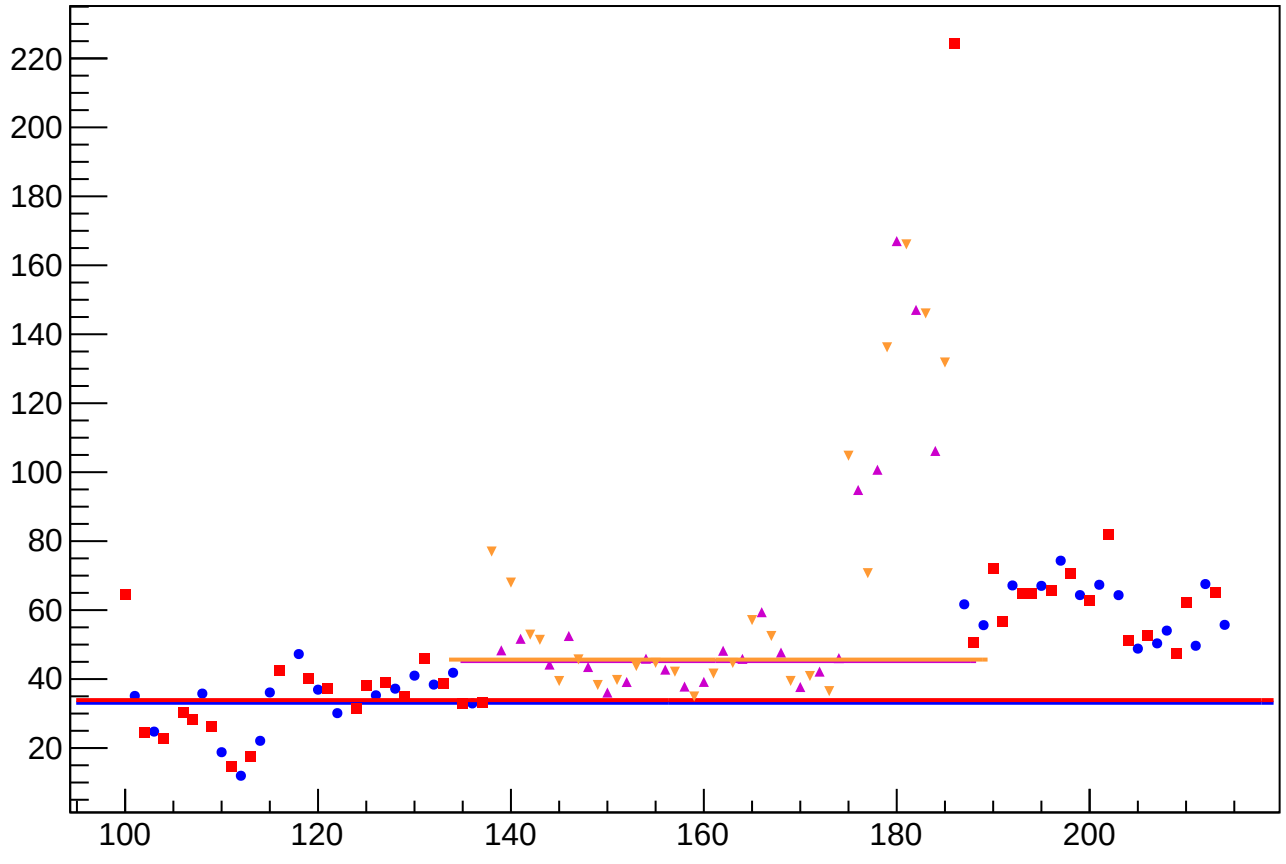
Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.983+/-0.005 χ^2/NDF: 13508179.8/54

All: 38.105+/-0.004 χ^2/NDF: 25443042.5/11

- sign 38.227+/-0.005 χ^2/NDF: 11933665.4/56


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.003+/-0.009 χ²/NDF: 43.2/29
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.010+/-0.009 χ²/NDF: 70.6/33
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.002+/-0.007 χ²/NDF: 62.1/54
All: -0.006+/-0.005 χ²/NDF: 156.6/111
- sign -0.009+/-0.007 χ²/NDF: 94.0/56



Right In: 33.131+/-0.006 χ^2/NDF: 7982925.1/29

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

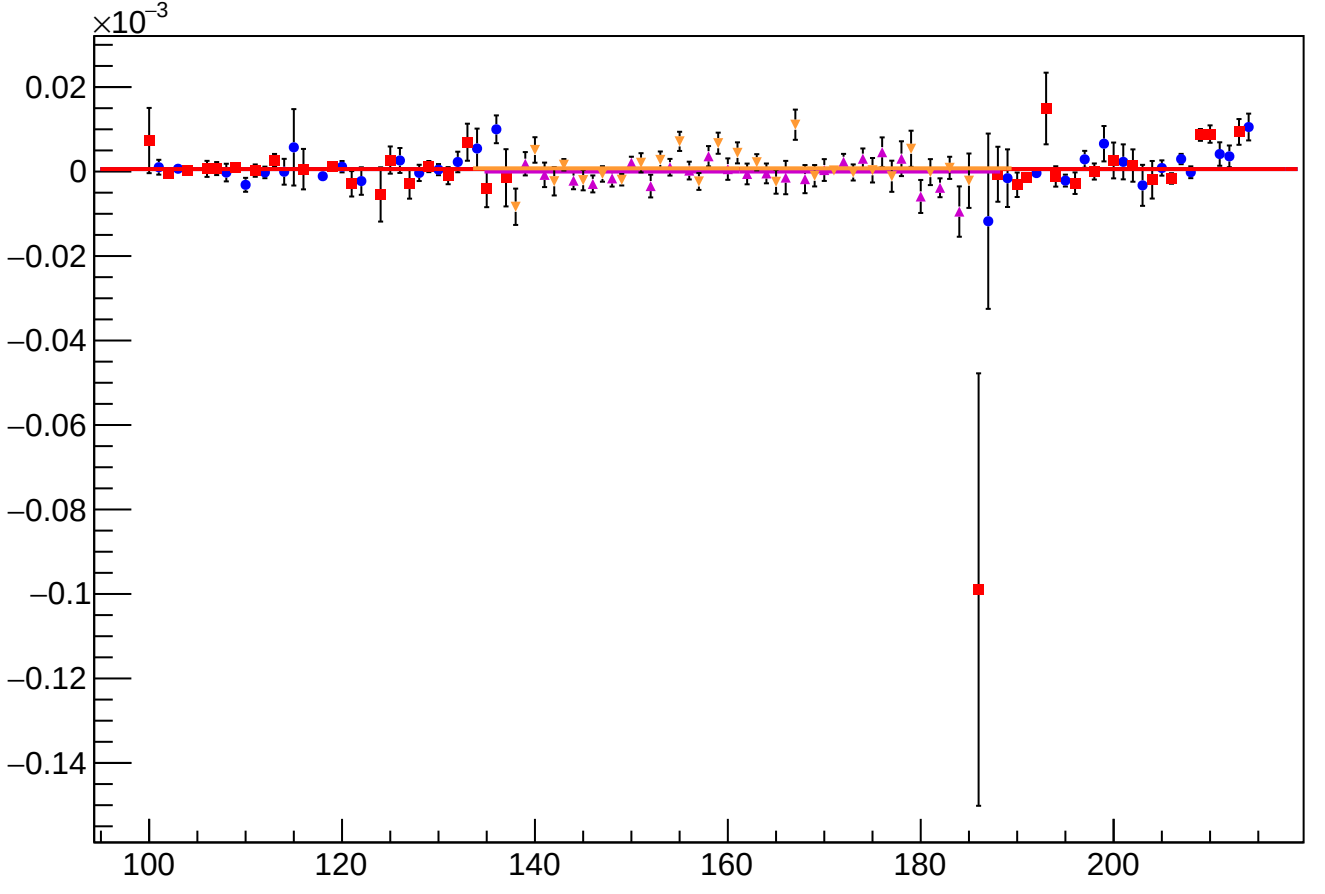
Right Out: 33.899+/-0.006 χ^2/NDF: 7727030.3/33

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 37.983+/-0.005 χ^2/NDF: 13508179.8/54

All: 38.105+/-0.004 χ^2/NDF: 25443042.5/11

- sign 38.227+/-0.005 χ^2/NDF: 11933665.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 91.3/33

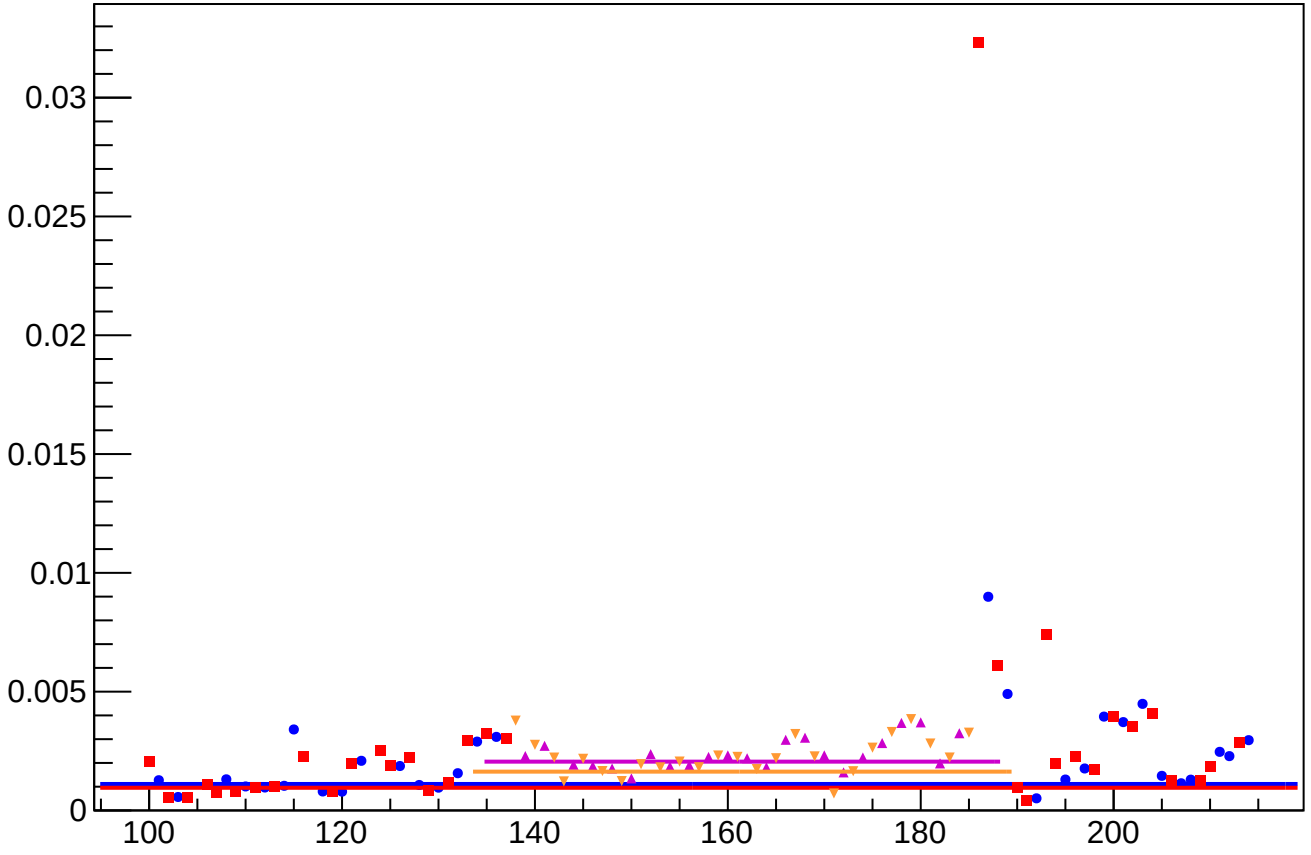
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 92.2/54

All: 0.000+/-0.000 χ^2/NDF: 209.4/111

- sign 0.000+/-0.000 χ^2/NDF: 116.8/56

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9138995.1/29

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

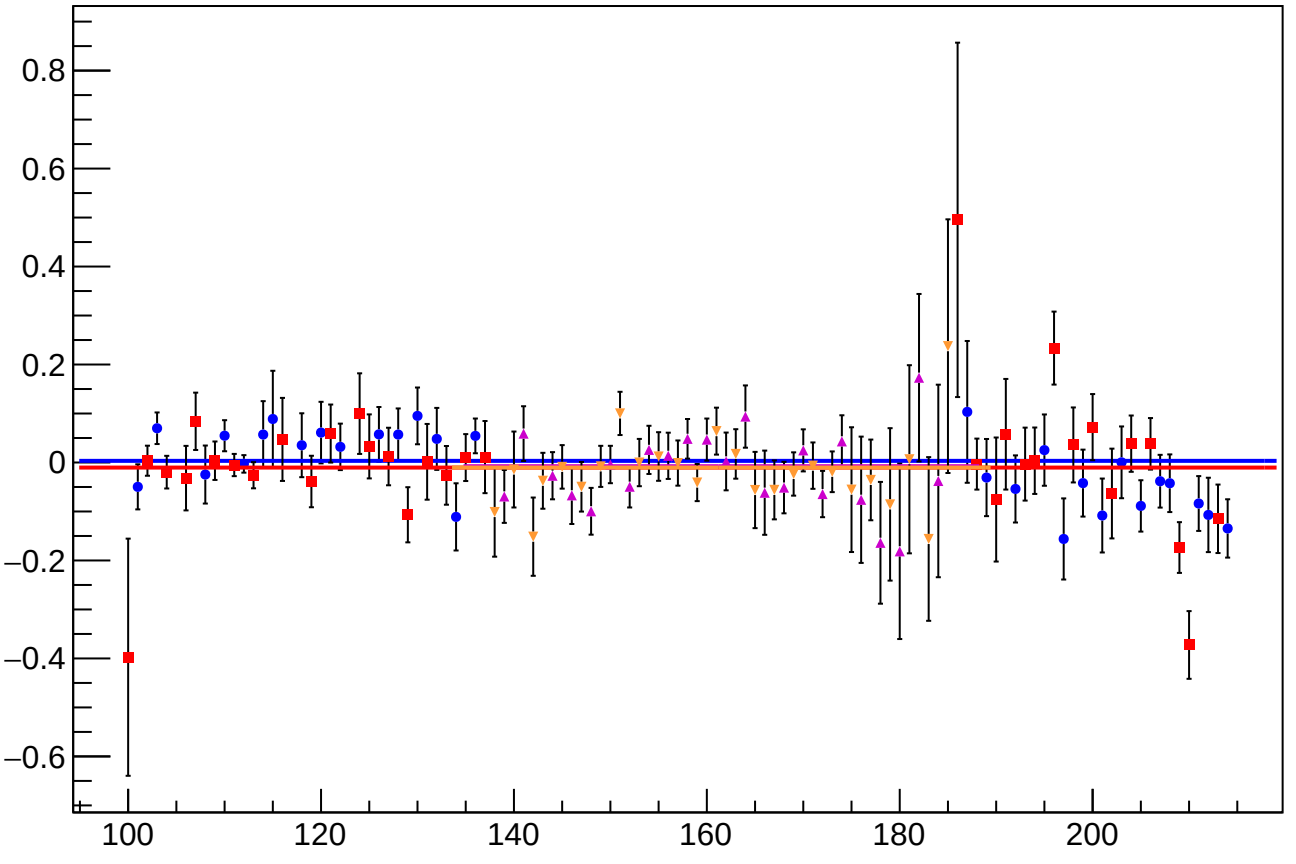
Right Out: 0.001+/-0.000 χ^2/NDF: 13232801.7/33

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17627558.5/54

All: 0.001+/-0.000 χ^2/NDF: 40411877.0/111

- sign 0.001+/-0.000 χ^2/NDF: 22652370.3/56



Right In: 0.003+/-0.009 χ^2/NDF: 43.2/29

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

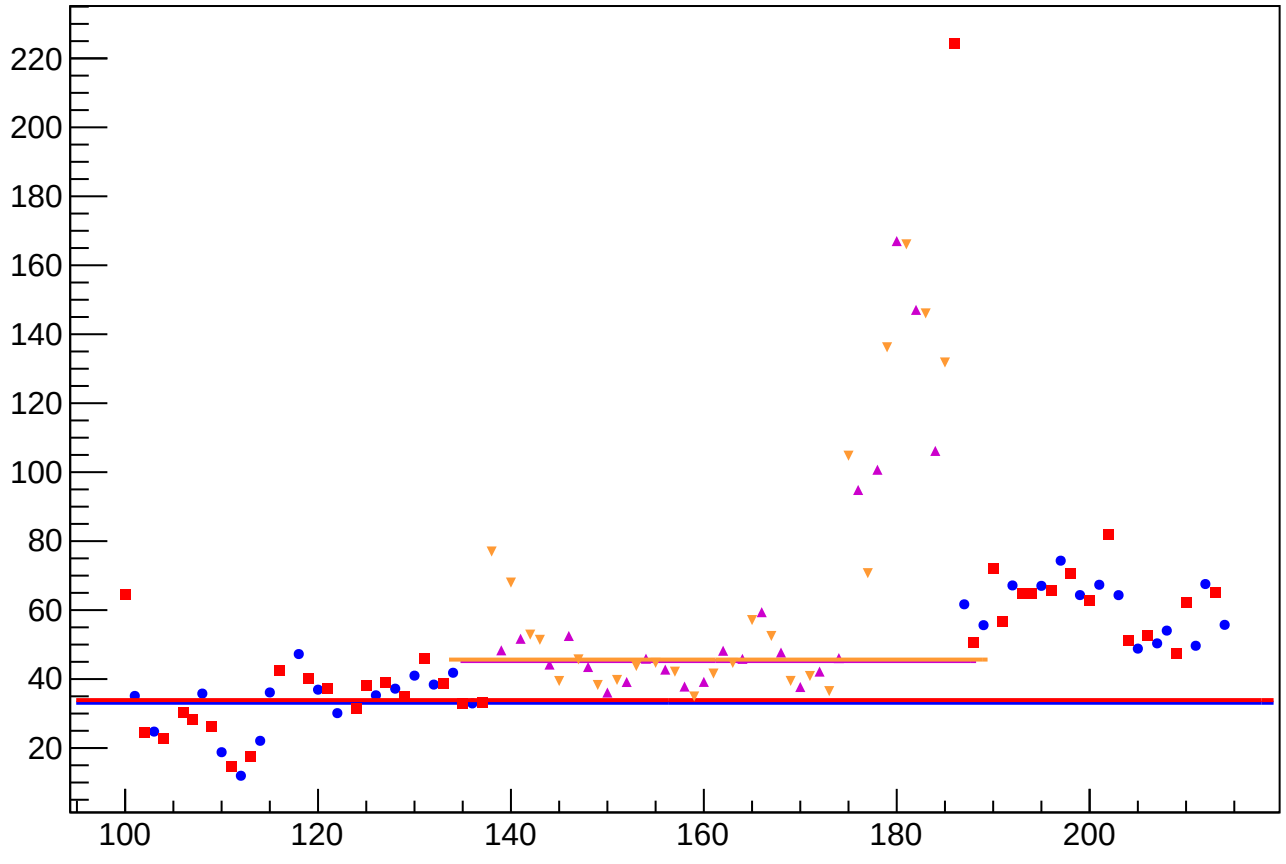
Right Out: -0.010+/-0.009 χ^2/NDF: 70.6/33

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.002+/-0.007 χ^2/NDF: 62.1/54

All: -0.006+/-0.005 χ^2/NDF: 156.6/111

- sign -0.009+/-0.007 χ^2/NDF: 94.0/56



Right In: 33.130+/-0.006 χ^2/NDF: 7983226.2/29

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

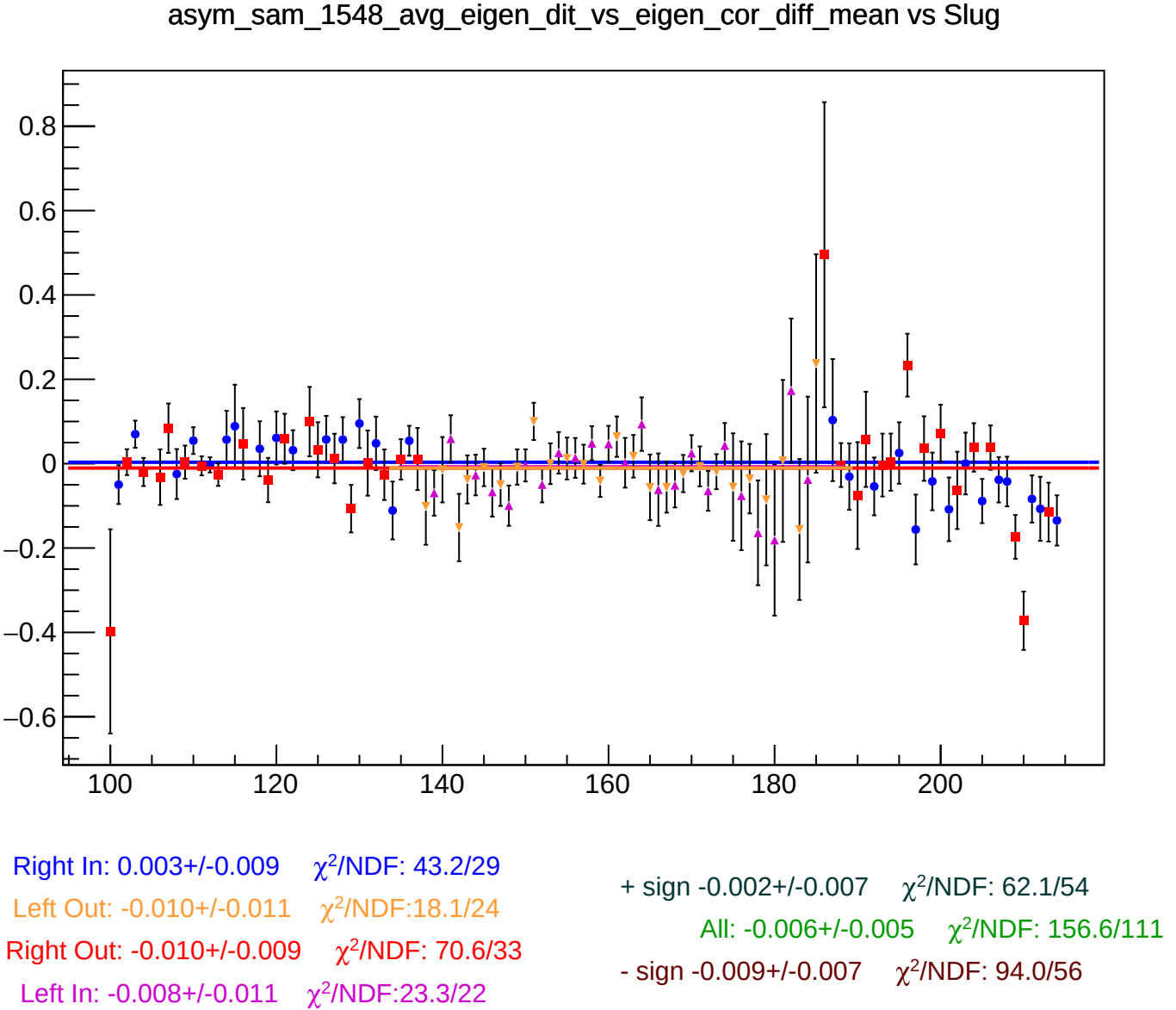
Right Out: 33.899+/-0.006 χ^2/NDF: 7727280.4/33

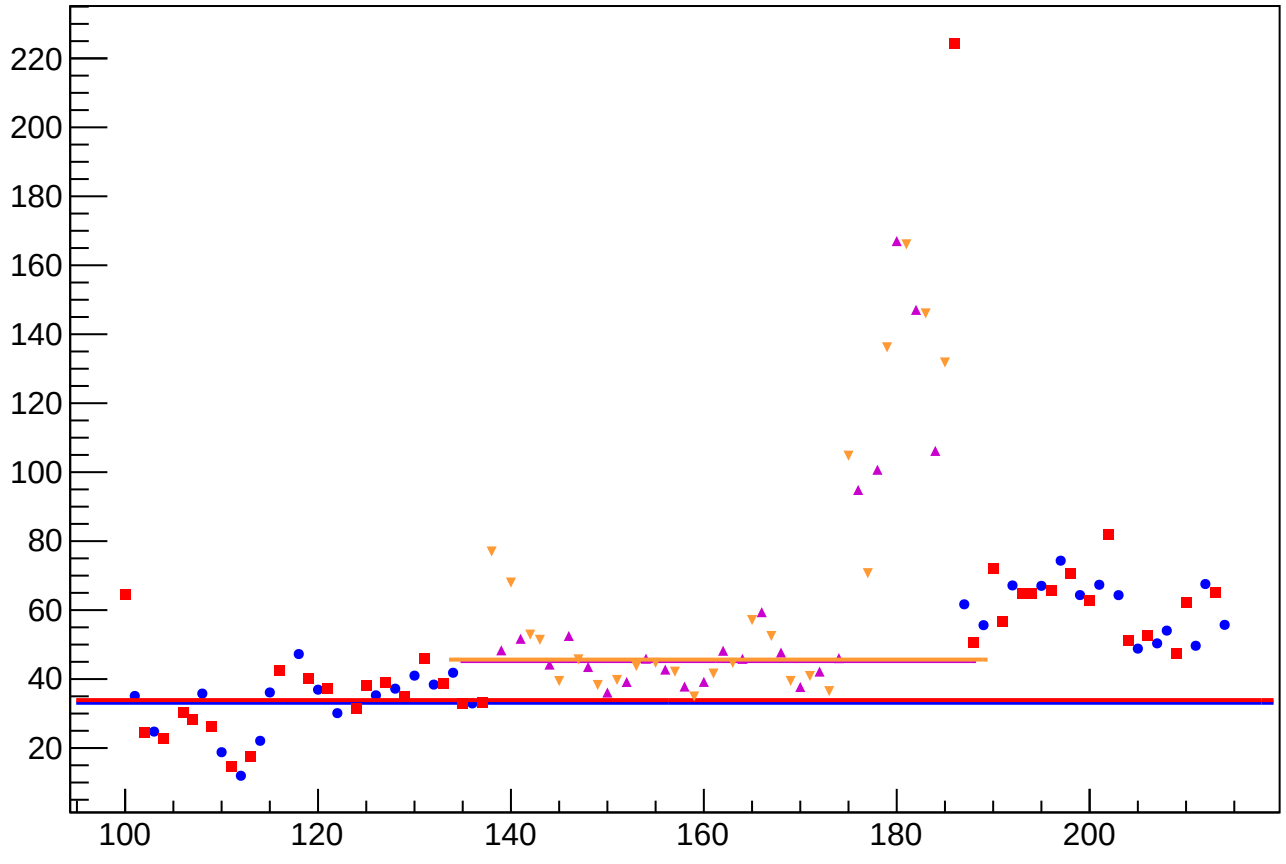
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.983+/-0.005 χ^2/NDF: 13508647.9/54

All: 38.104+/-0.004 χ^2/NDF: 25443861.7/11

- sign 38.227+/-0.005 χ^2/NDF: 11934015.1/56


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
Right In: 0.003+/-0.009 χ²/NDF: 43.2/29
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.010+/-0.009 χ²/NDF: 70.6/33
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.002+/-0.007 χ²/NDF: 62.1/54
All: -0.006+/-0.005 χ²/NDF: 156.6/111
- sign -0.009+/-0.007 χ²/NDF: 94.0/56



Right In: 33.130+/-0.006 χ^2/NDF: 7983226.2/29

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

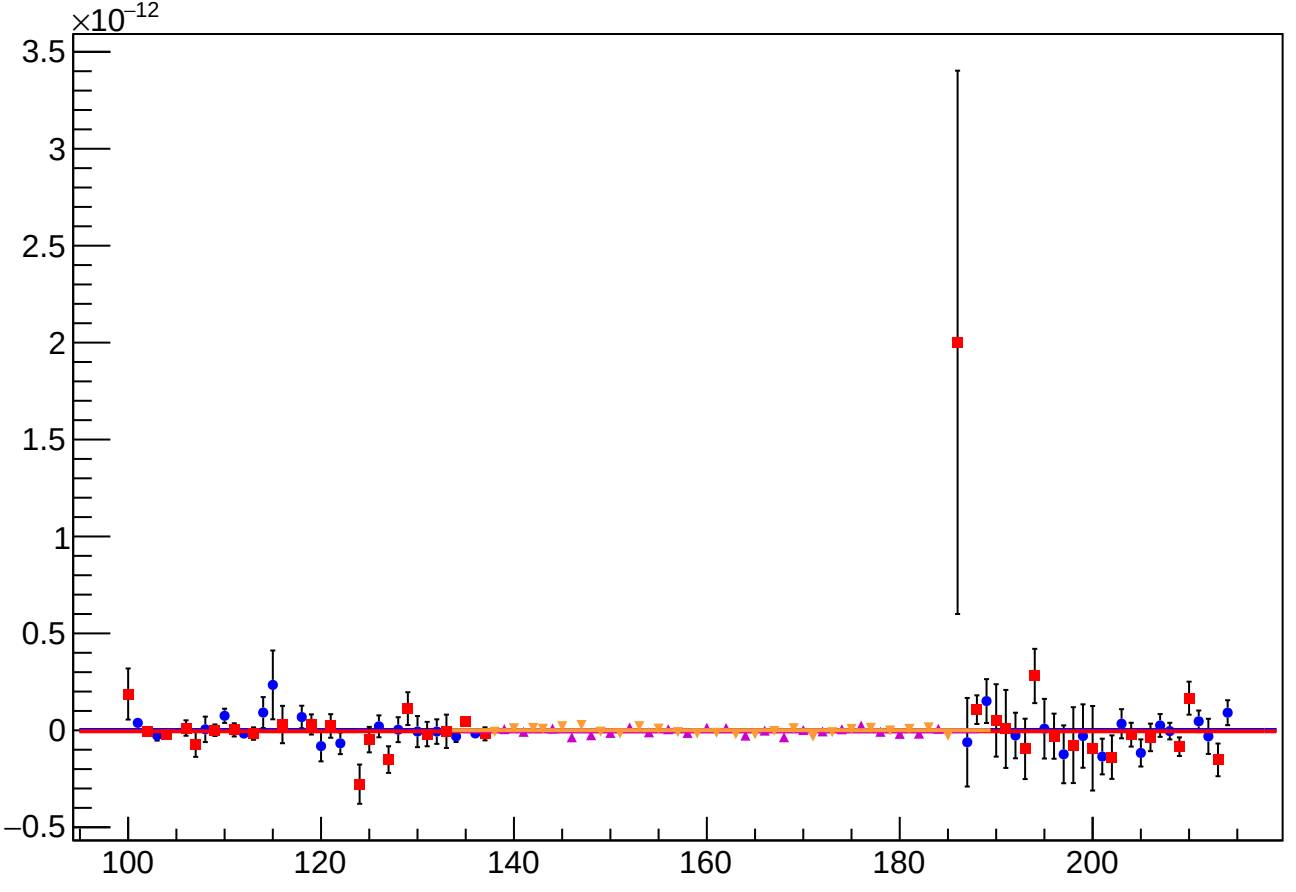
Right Out: 33.899+/-0.006 χ^2/NDF: 7727280.4/33

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 37.983+/-0.005 χ^2/NDF: 13508647.9/54

All: 38.104+/-0.004 χ^2/NDF: 25443861.7/11

- sign 38.227+/-0.005 χ^2/NDF: 11934015.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

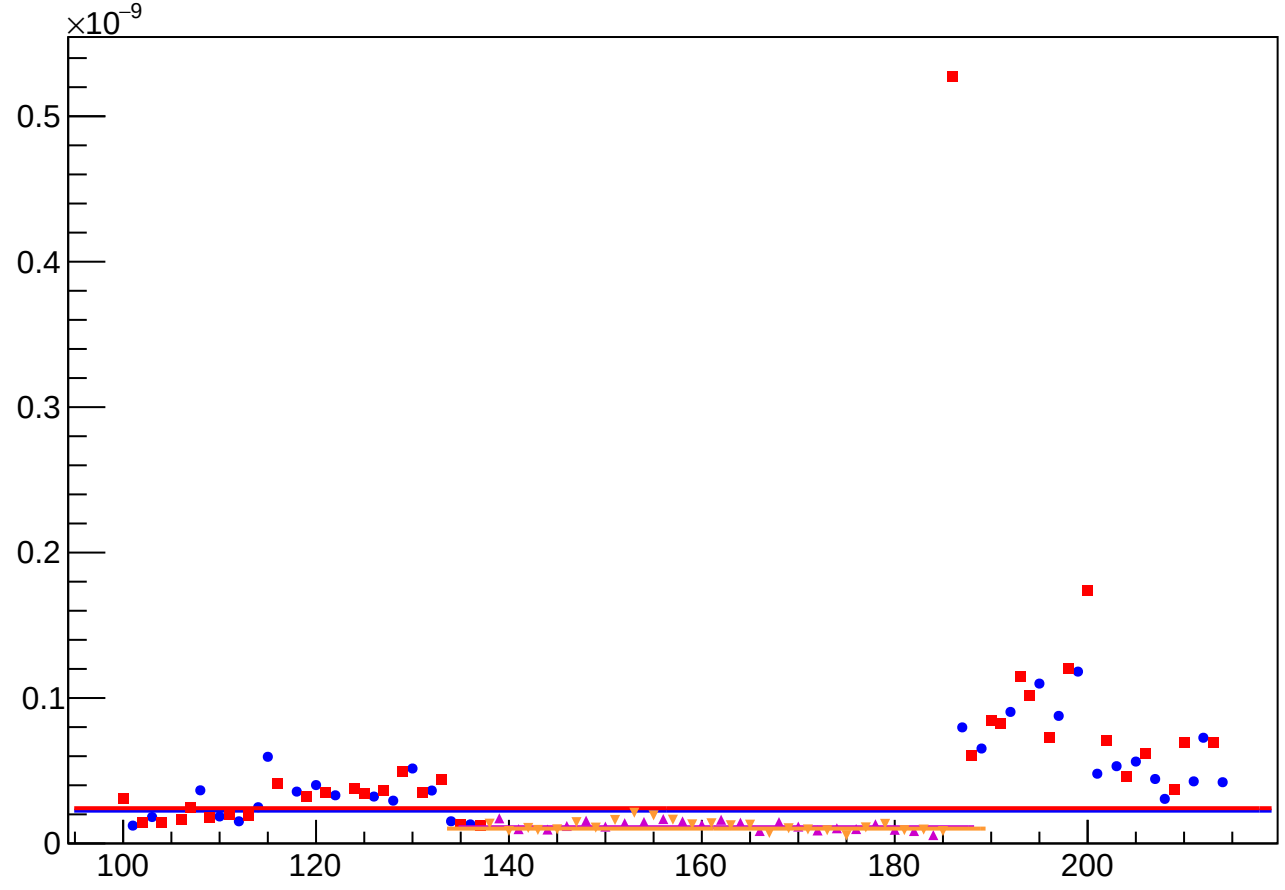
Right Out: -0.000+/-0.000 χ^2/NDF: 44.3/33

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.9/54

All: -0.000+/-0.000 χ^2/NDF: 124.9/111

- sign -0.000+/-0.000 χ^2/NDF: 68.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 7600794.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8885140.3/33

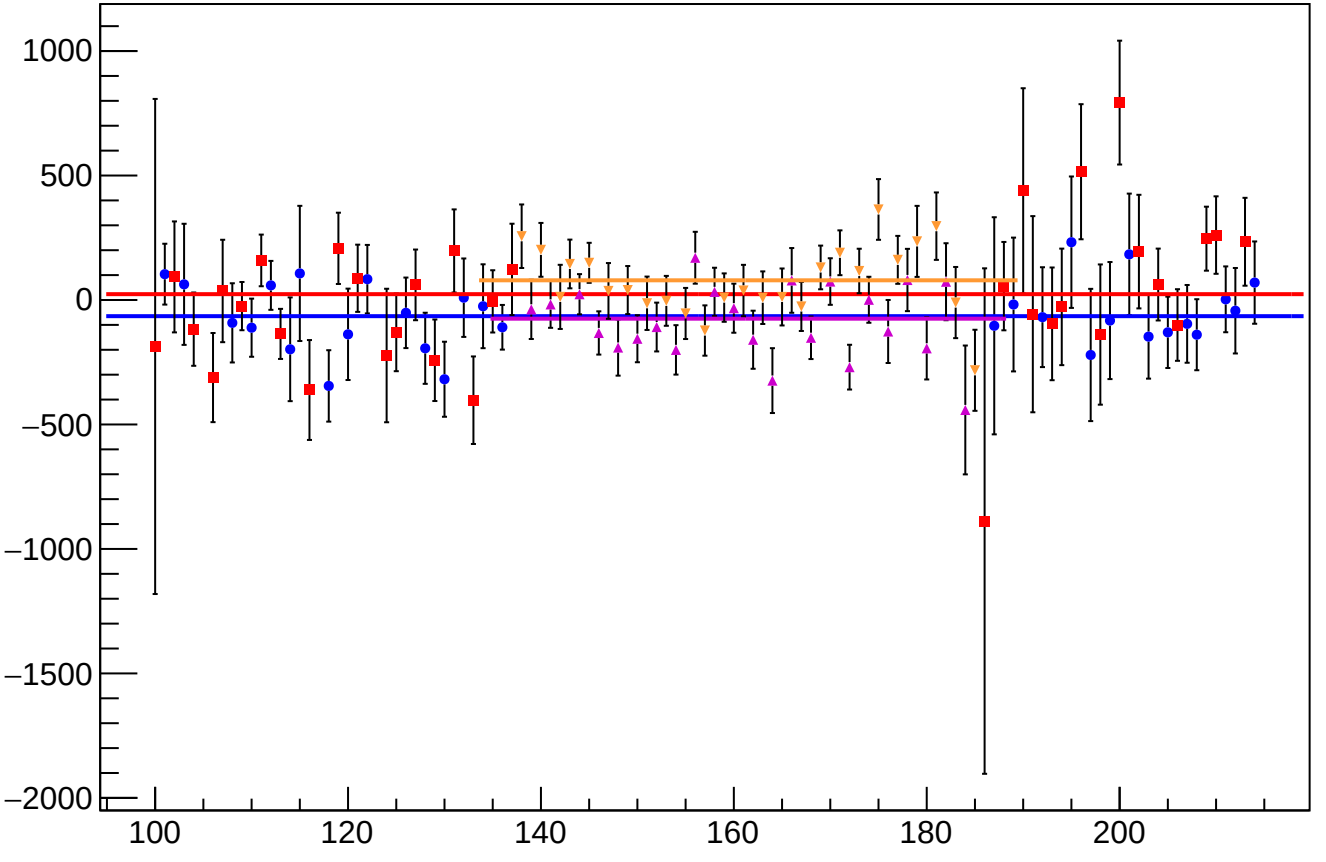
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14054657.8/54

All: 0.000+/-0.000 χ^2/NDF: 28736729.4/111

- sign 0.000+/-0.000 χ^2/NDF: 14533865.8/56

reg_asym_sam_3748_avg_mean vs Slug



Right In: -64.953+/-28.633 χ^2/NDF: 18.5/29

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 23.446+/-28.543 χ^2/NDF: 49.9/33

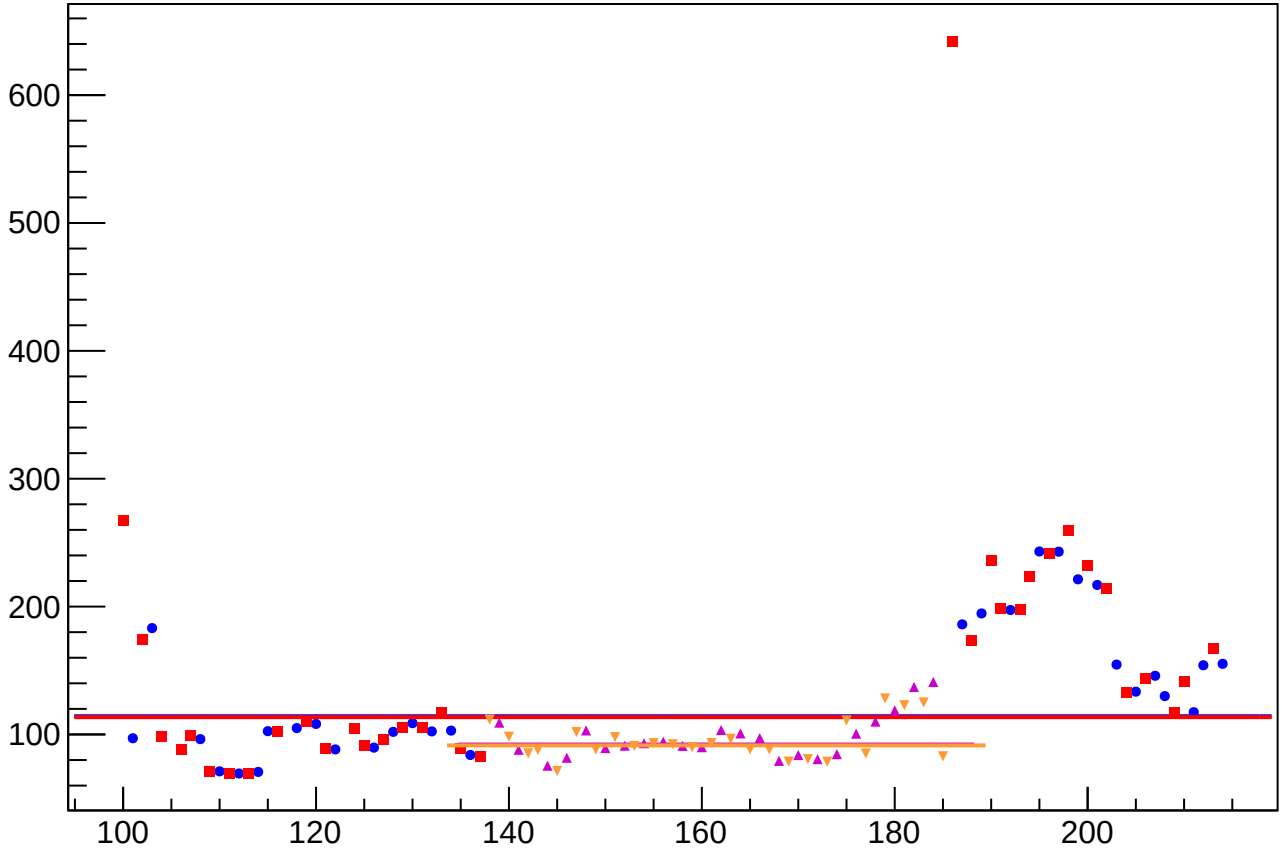
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 28.396+/-16.987 χ^2/NDF: 66.9/54

All: -4.448+/-12.136 χ^2/NDF: 164.6/111

- sign -38.683+/-17.343 χ^2/NDF: 90.1/56

reg_asym_sam_3748_avg_rms vs Slug



Right In: 114.249+/-0.020 χ^2/NDF: 4192682.2/29

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

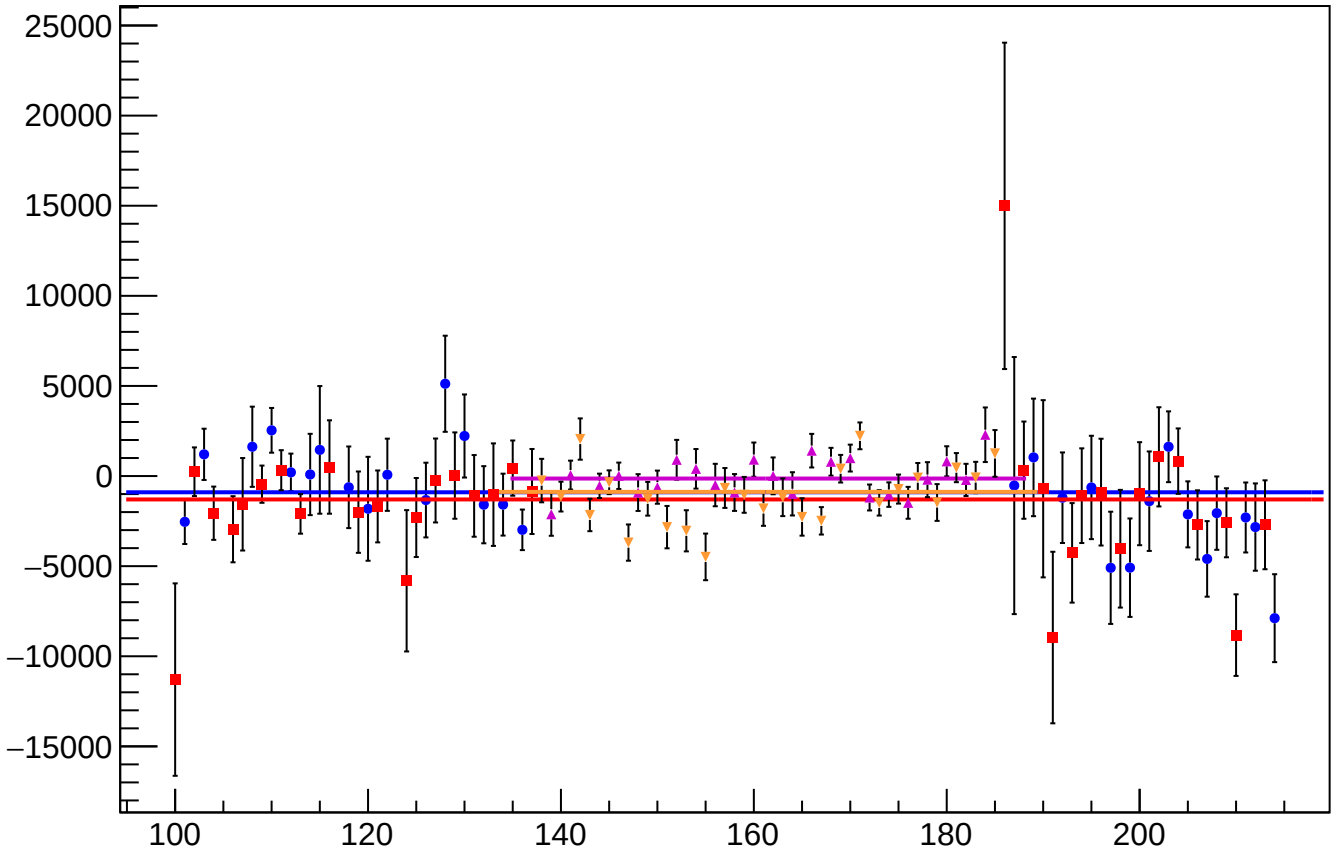
Right Out: 113.533+/-0.020 χ^2/NDF: 5650313.6/33

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 99.482+/-0.012 χ^2/NDF: 5764772.2/54

All: 99.742+/-0.009 χ^2/NDF: 12826962.7/111

- sign 100.014+/-0.012 χ^2/NDF: 7061232.5/56



Right In: -900.502+/-351.966 χ^2/NDF: 45.2/29

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1298.207+/-344.941 χ^2/NDF: 35.8/33

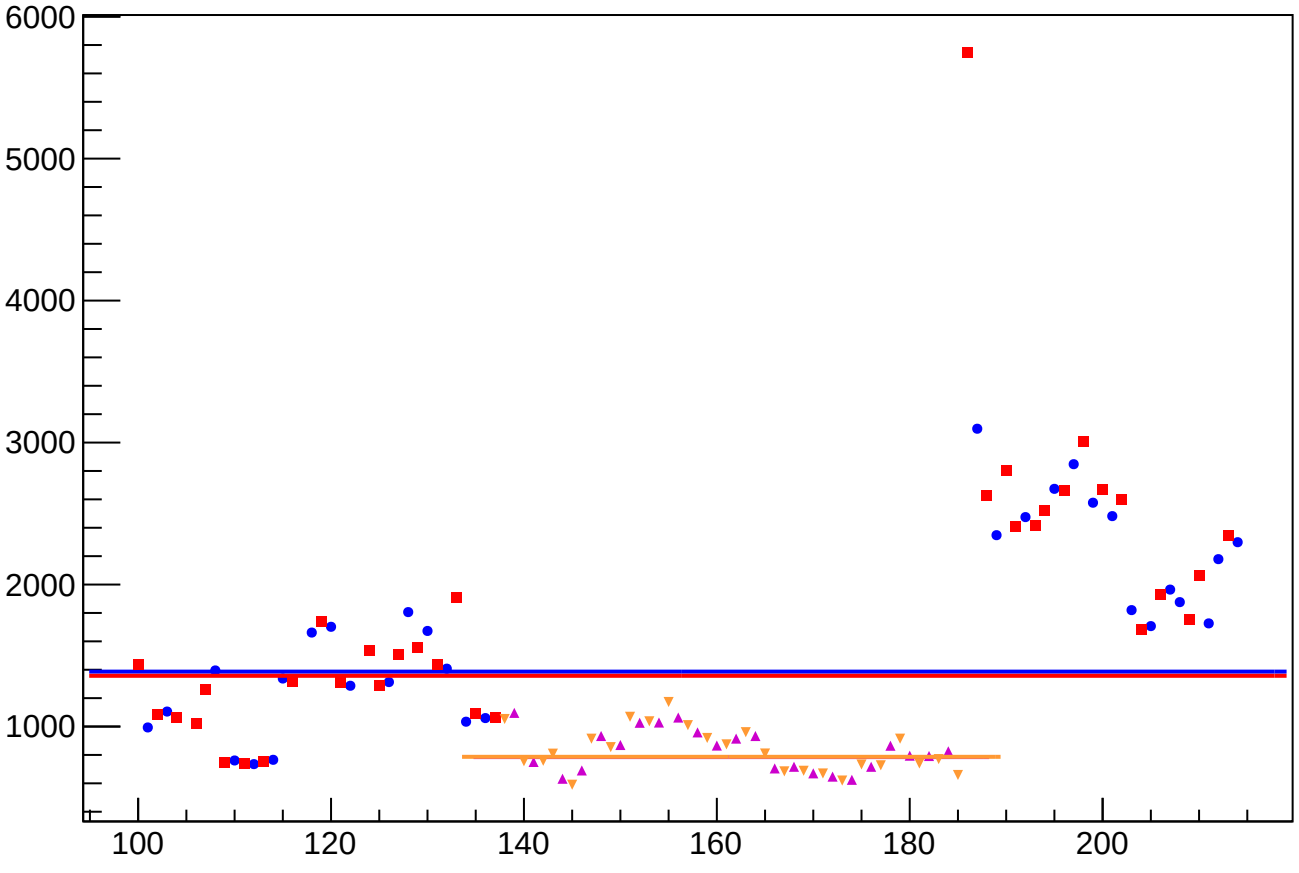
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -883.120+/-161.797 χ^2/NDF: 112.9/54

All: -645.556+/-115.215 χ^2/NDF: 186.0/111

- sign -401.163+/-164.106 χ^2/NDF: 68.8/56

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1386.813+/-0.249 χ^2/NDF: 5304708.5/29

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1357.358+/-0.244 χ^2/NDF: 6835941.7/33

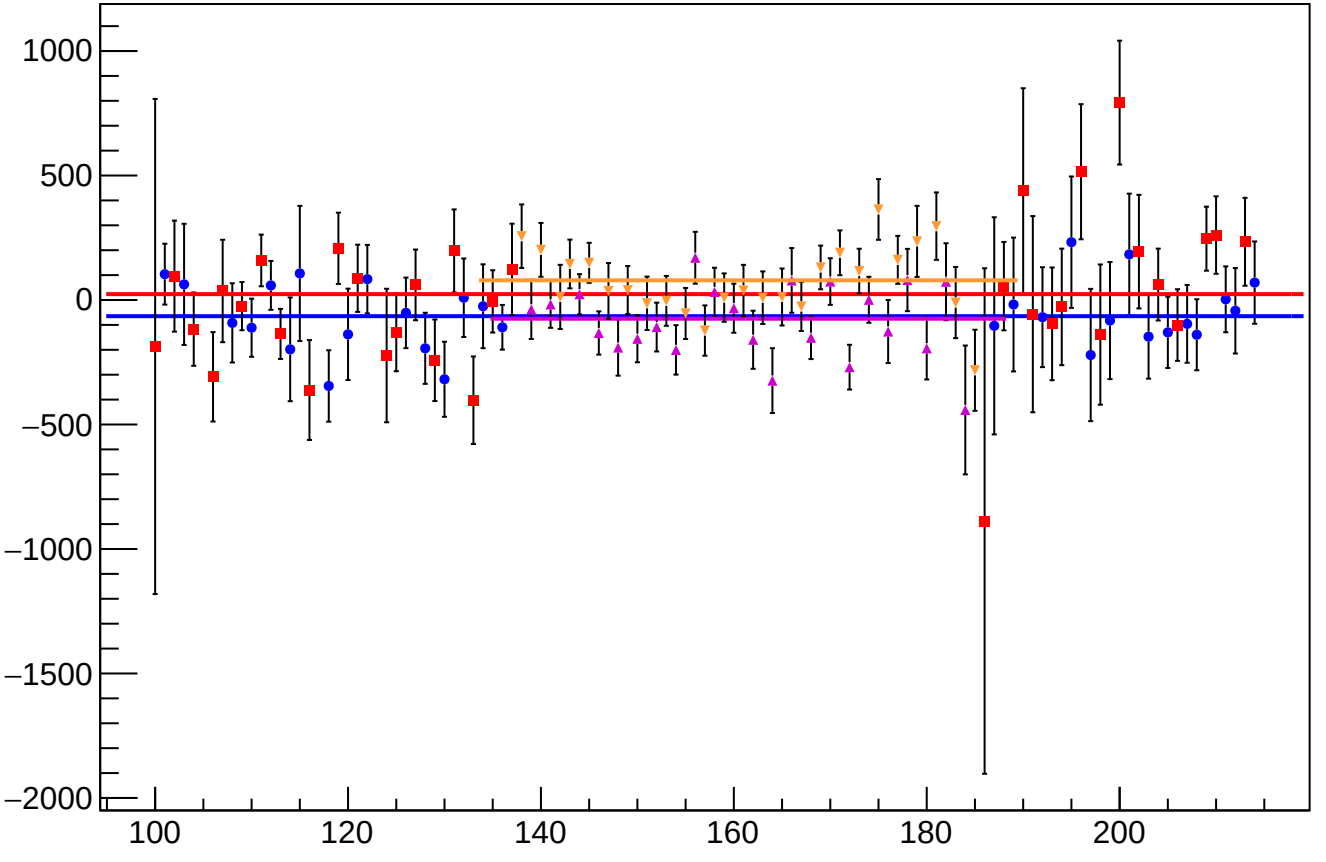
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 913.561+/-0.114 χ^2/NDF: 11100300.9/54

All: 913.983+/-0.081 χ^2/NDF: 23262653.4/11

- sign 914.418+/-0.116 χ^2/NDF: 12162324.8/56

cor_asym_sam_3748_avg_mean vs Slug



Right In: -64.963+/-28.633 χ^2/NDF: 18.5/29

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 23.625+/-28.545 χ^2/NDF: 49.9/33

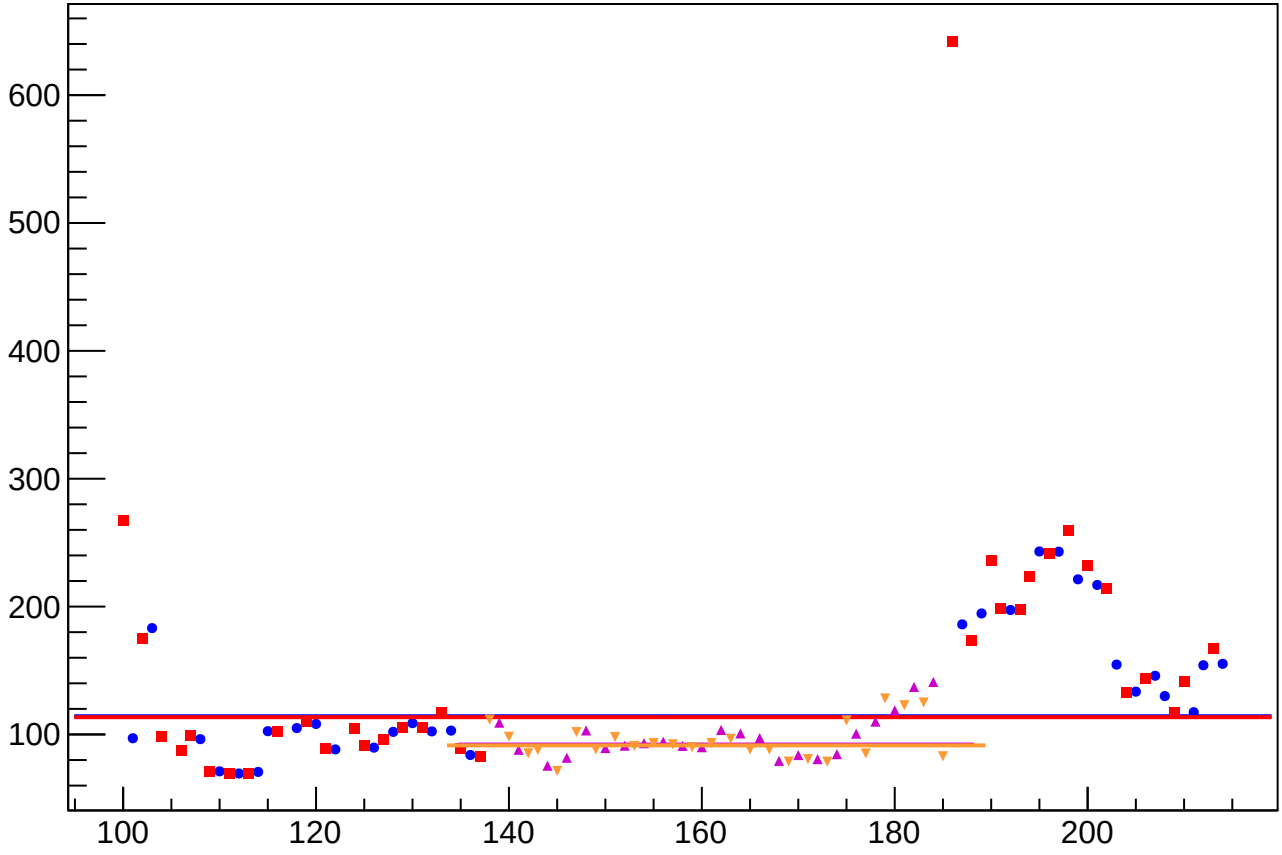
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 28.398+/-16.987 χ^2/NDF: 66.9/54

All: -4.415+/-12.136 χ^2/NDF: 164.5/111

- sign -38.621+/-17.344 χ^2/NDF: 90.0/56

cor_asym_sam_3748_avg_rms vs Slug



Right In: 114.249+/-0.020 χ^2/NDF: 4192685.2/29

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 113.504+/-0.020 χ^2/NDF: 5654461.0/33

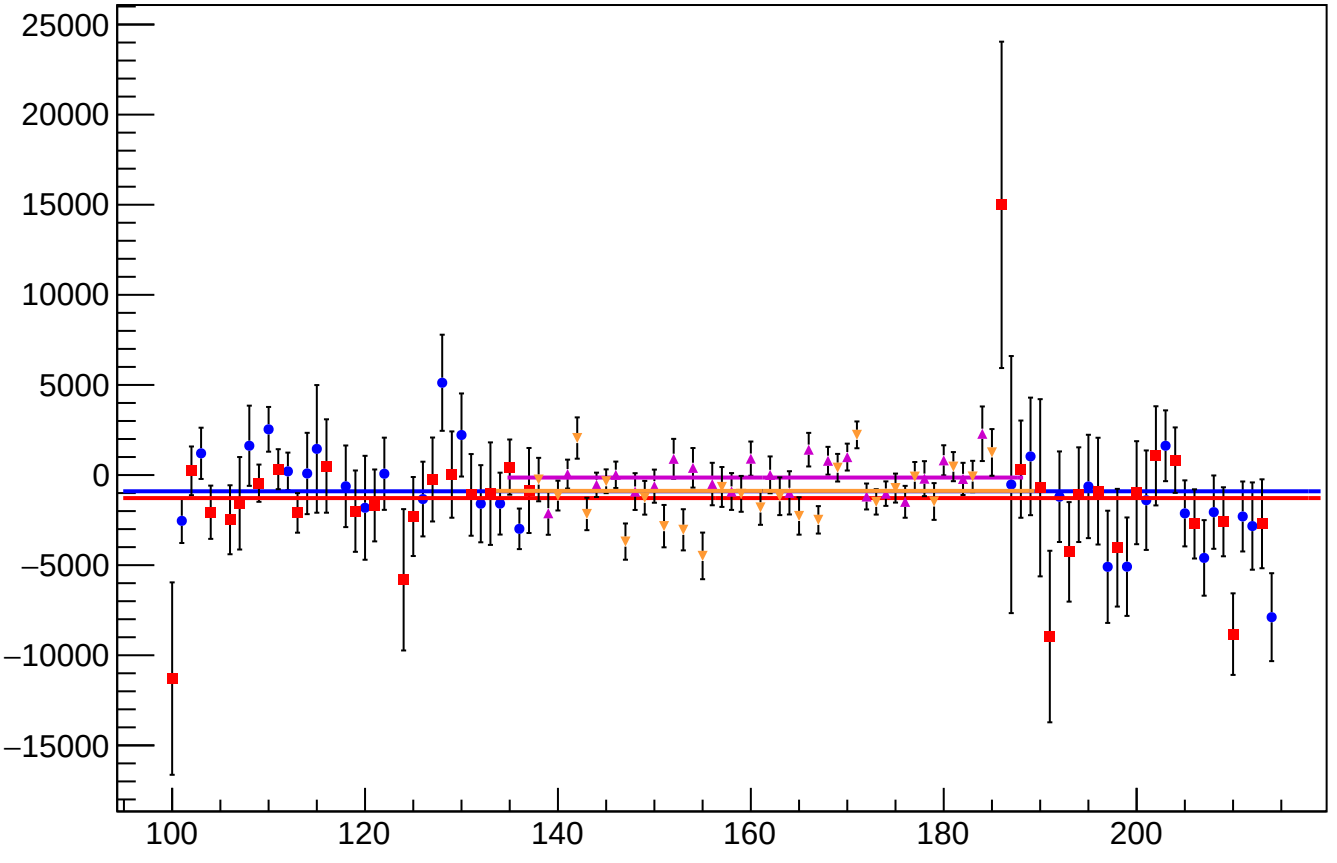
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 99.482+/-0.012 χ^2/NDF: 5764775.3/54

All: 99.737+/-0.009 χ^2/NDF: 12829073.5/111

\- sign 100.002+/-0.012 χ^2/NDF: 7063381.4/56

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -900.522+/-351.968 χ^2/NDF: 45.2/29

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1278.643+/-345.456 χ^2/NDF: 35.4/33

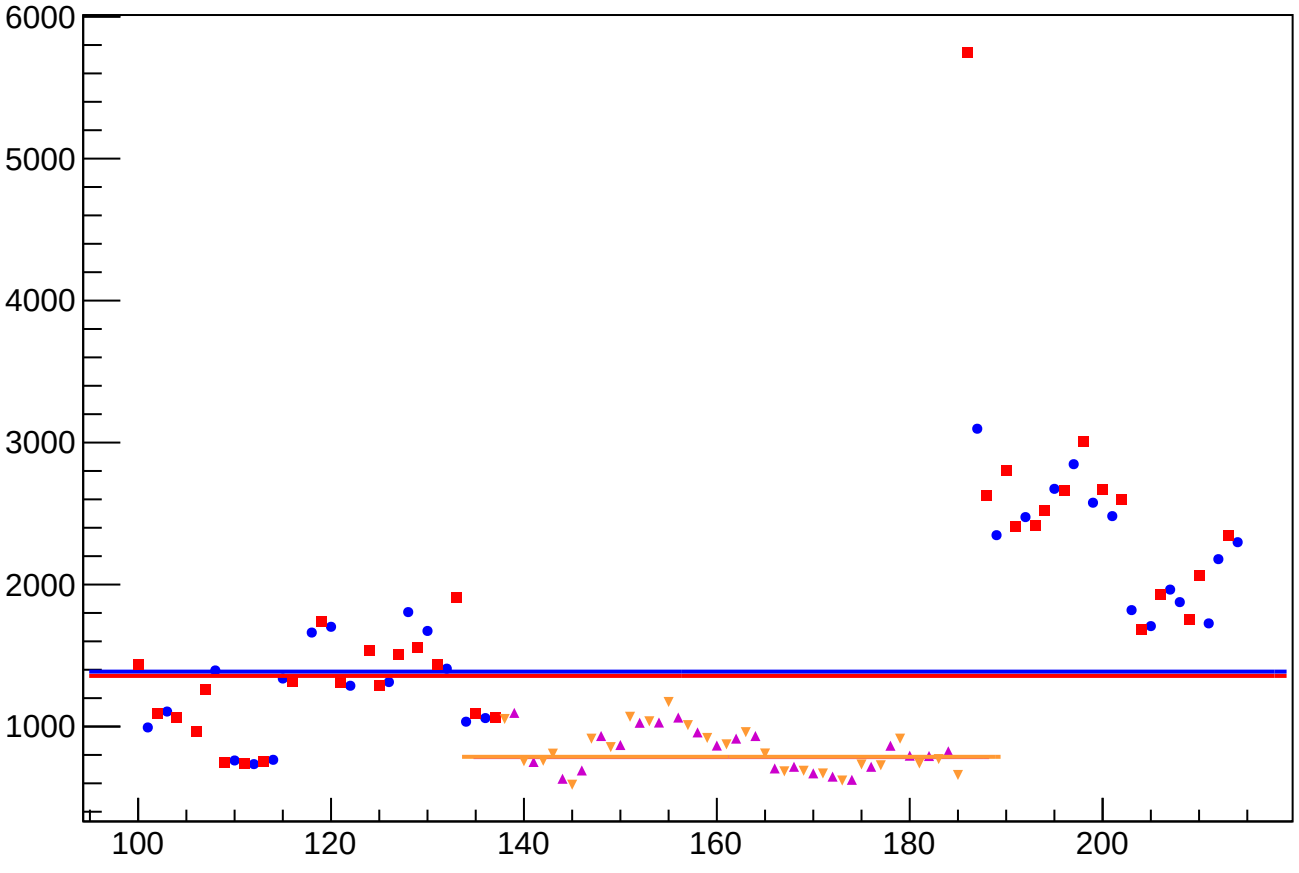
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -883.117+/-161.797 χ^2/NDF: 112.9/54

All: -643.161+/-115.235 χ^2/NDF: 185.4/111

- sign -396.141+/-164.162 χ^2/NDF: 68.0/56

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1386.823+/-0.249 χ^2/NDF: 5304638.5/29

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1356.545+/-0.244 χ^2/NDF: 6852446.1/33

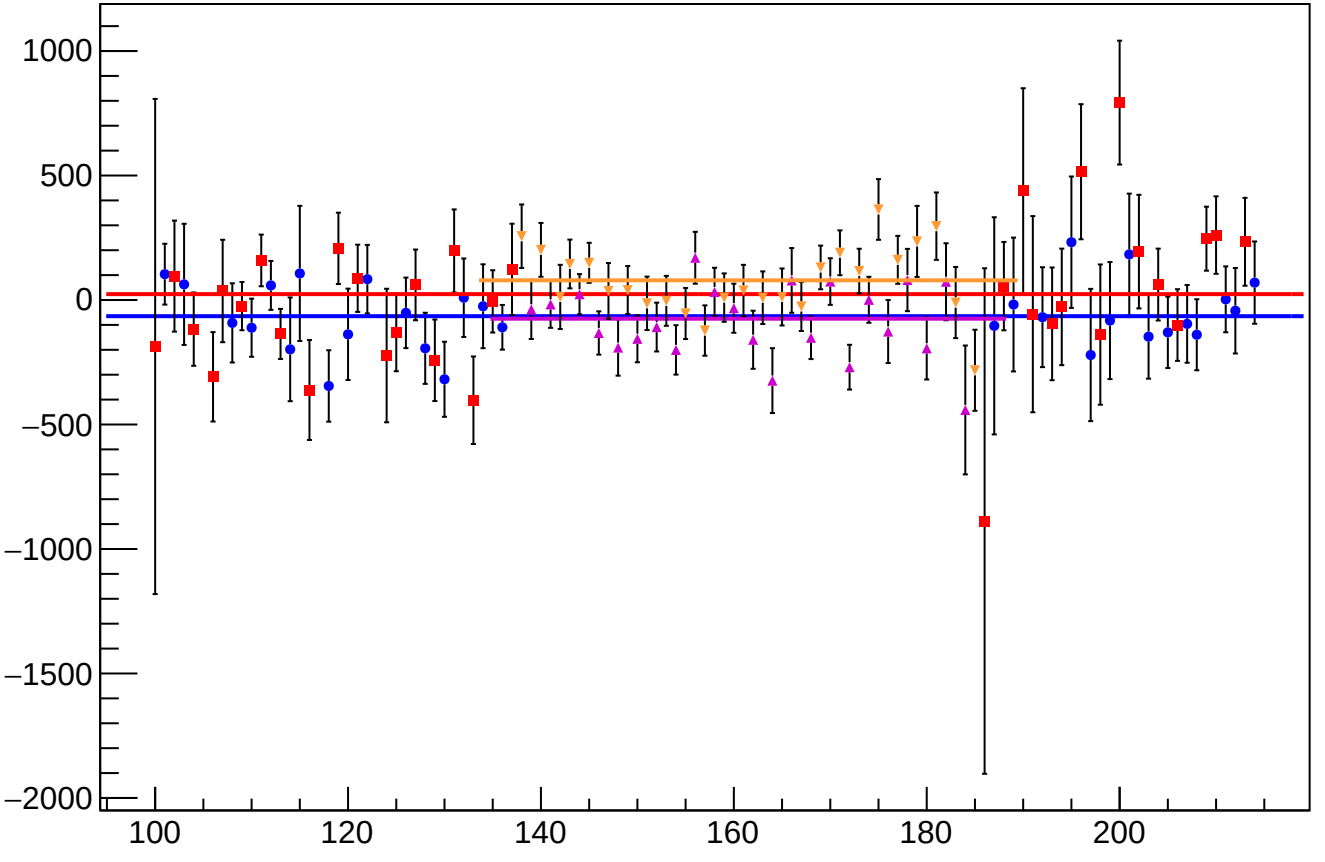
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 913.562+/-0.114 χ^2/NDF: 11100339.0/54

All: 913.746+/-0.081 χ^2/NDF: 23257280.5/11

- sign 913.936+/-0.116 χ^2/NDF: 12156936.2/56

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -64.963+/-28.633 χ^2/NDF: 18.5/29

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 23.625+/-28.545 χ^2/NDF: 49.9/33

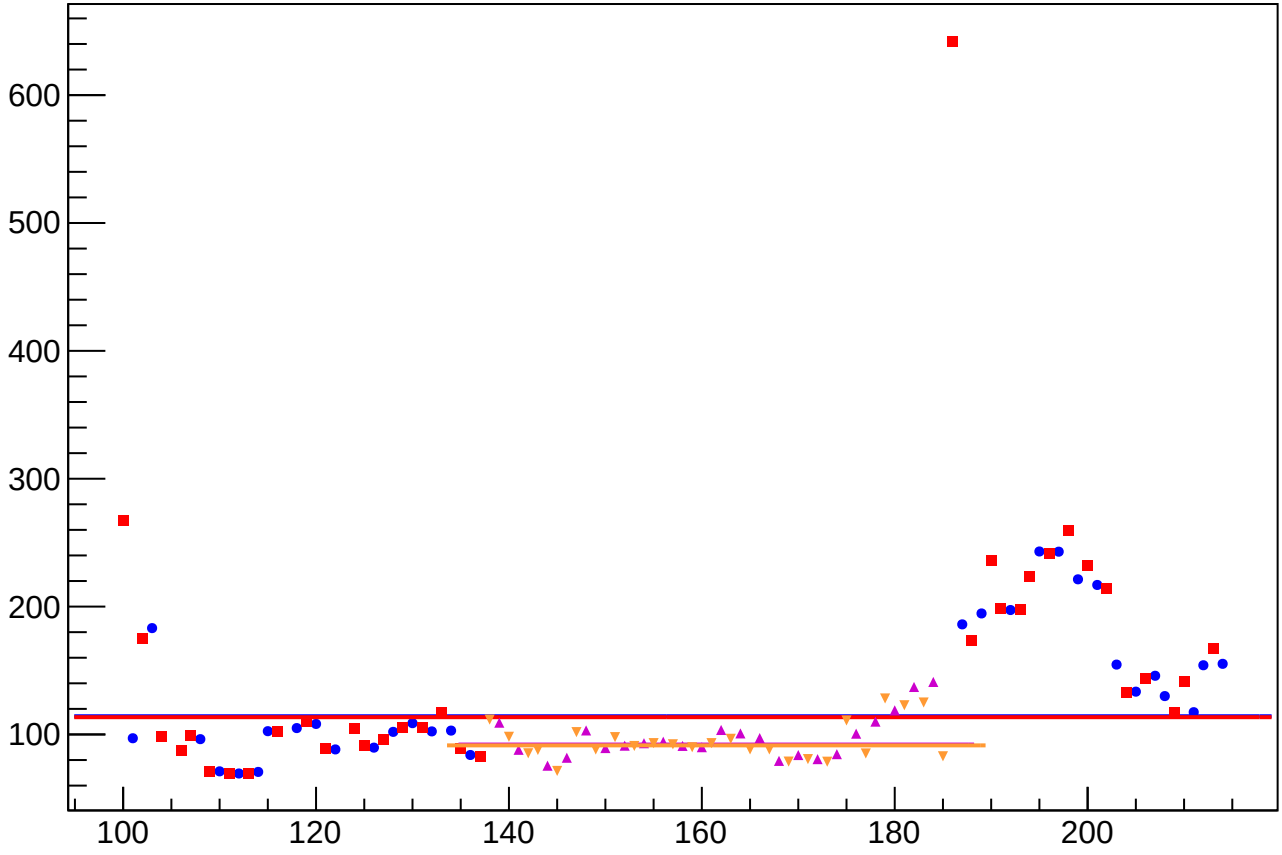
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 28.398+/-16.987 χ^2/NDF: 66.9/54

All: -4.415+/-12.136 χ^2/NDF: 164.5/111

- sign -38.621+/-17.344 χ^2/NDF: 90.0/56

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 114.249+/-0.020 χ^2/NDF: 4192685.2/29

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

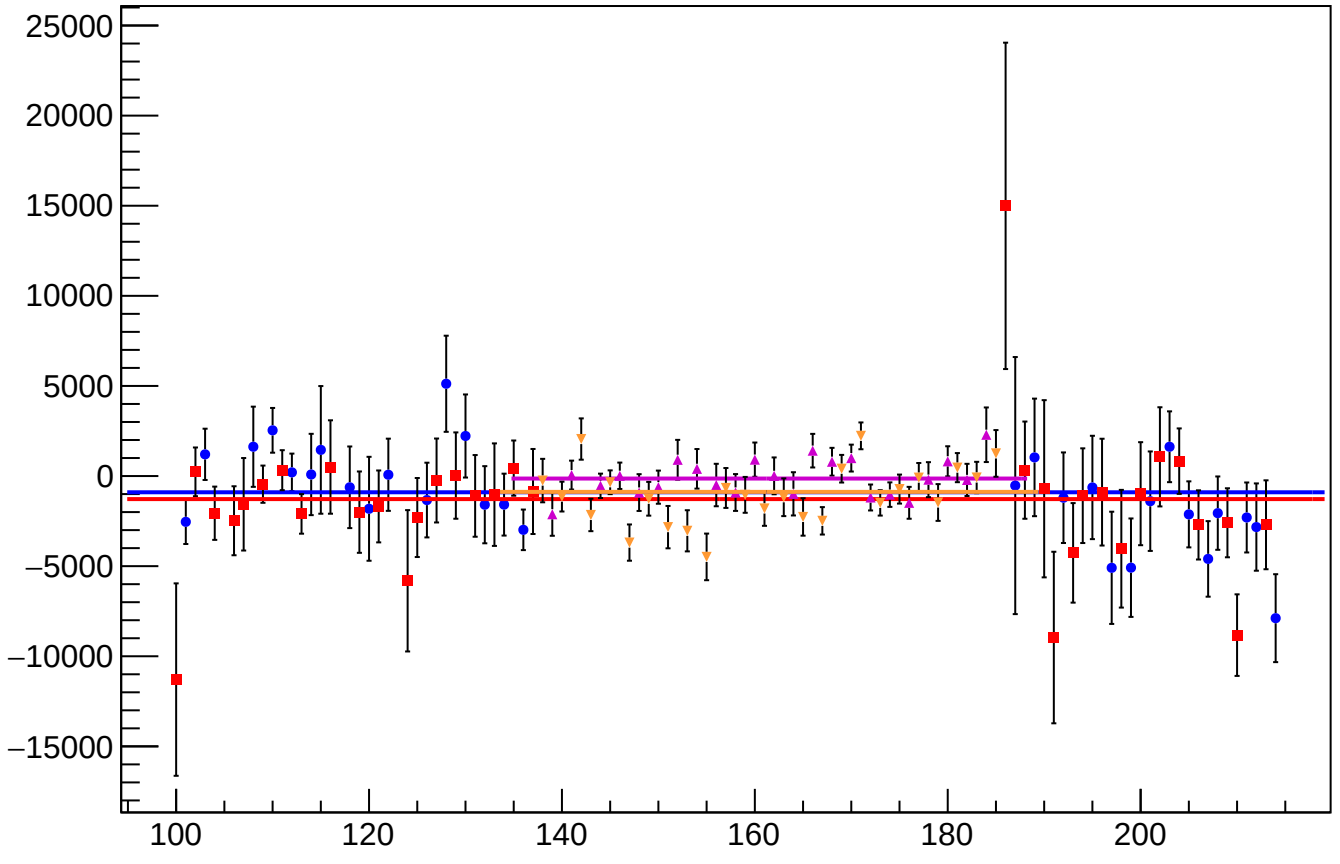
Right Out: 113.504+/-0.020 χ^2/NDF: 5654461.0/33

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

\+ sign 99.482+/-0.012 χ^2/NDF: 5764775.3/54

All: 99.737+/-0.009 χ^2/NDF: 12829073.5/111

\- sign 100.002+/-0.012 χ^2/NDF: 7063381.4/56



Right In: -900.522+/-351.968 χ^2/NDF: 45.2/29

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1278.643+/-345.456 χ^2/NDF: 35.4/33

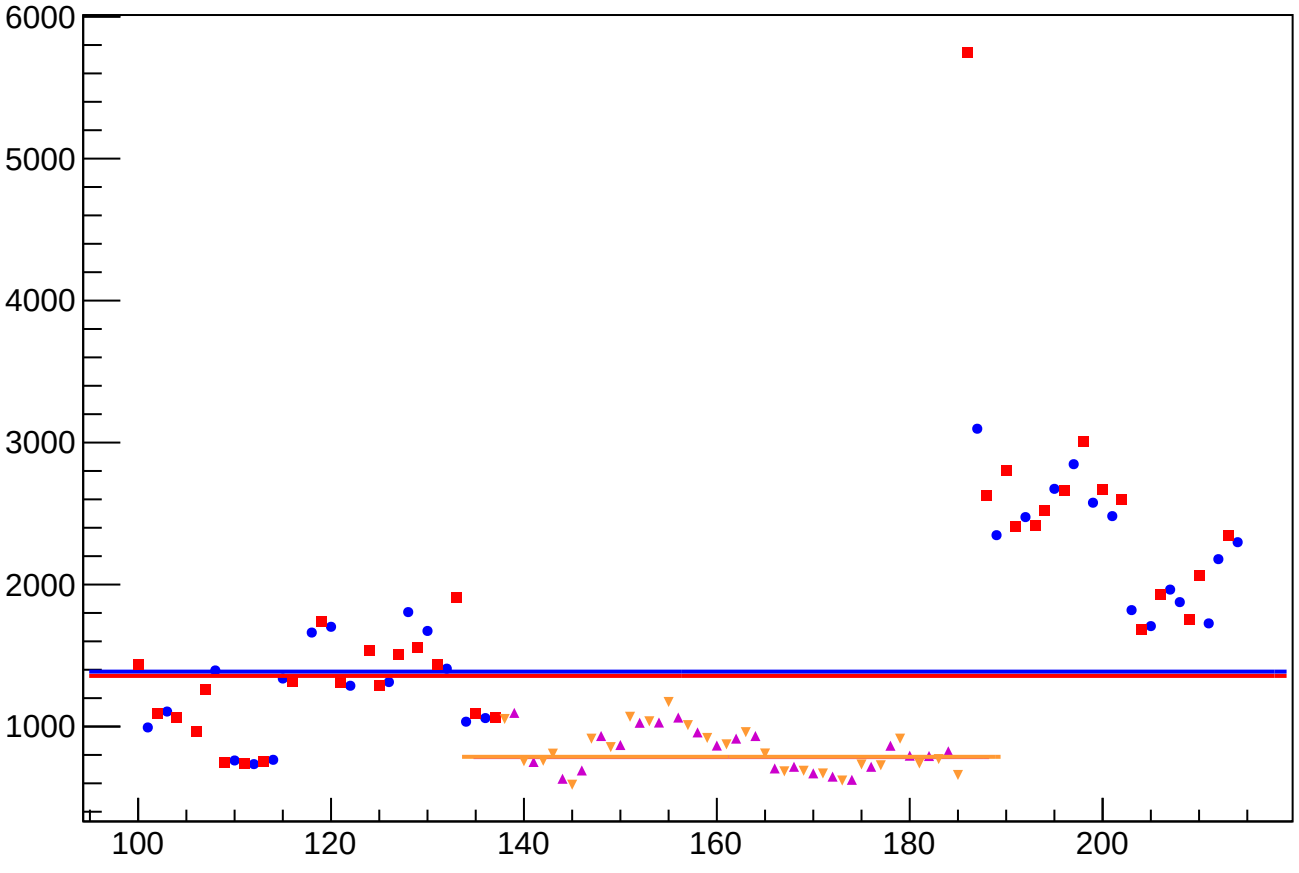
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -883.117+/-161.797 χ^2/NDF: 112.9/54

All: -643.161+/-115.235 χ^2/NDF: 185.4/111

- sign -396.141+/-164.162 χ^2/NDF: 68.0/56

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug



Right In: 1386.823+/-0.249 χ^2/NDF: 5304638.5/29

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1356.545+/-0.244 χ^2/NDF: 6852446.1/33

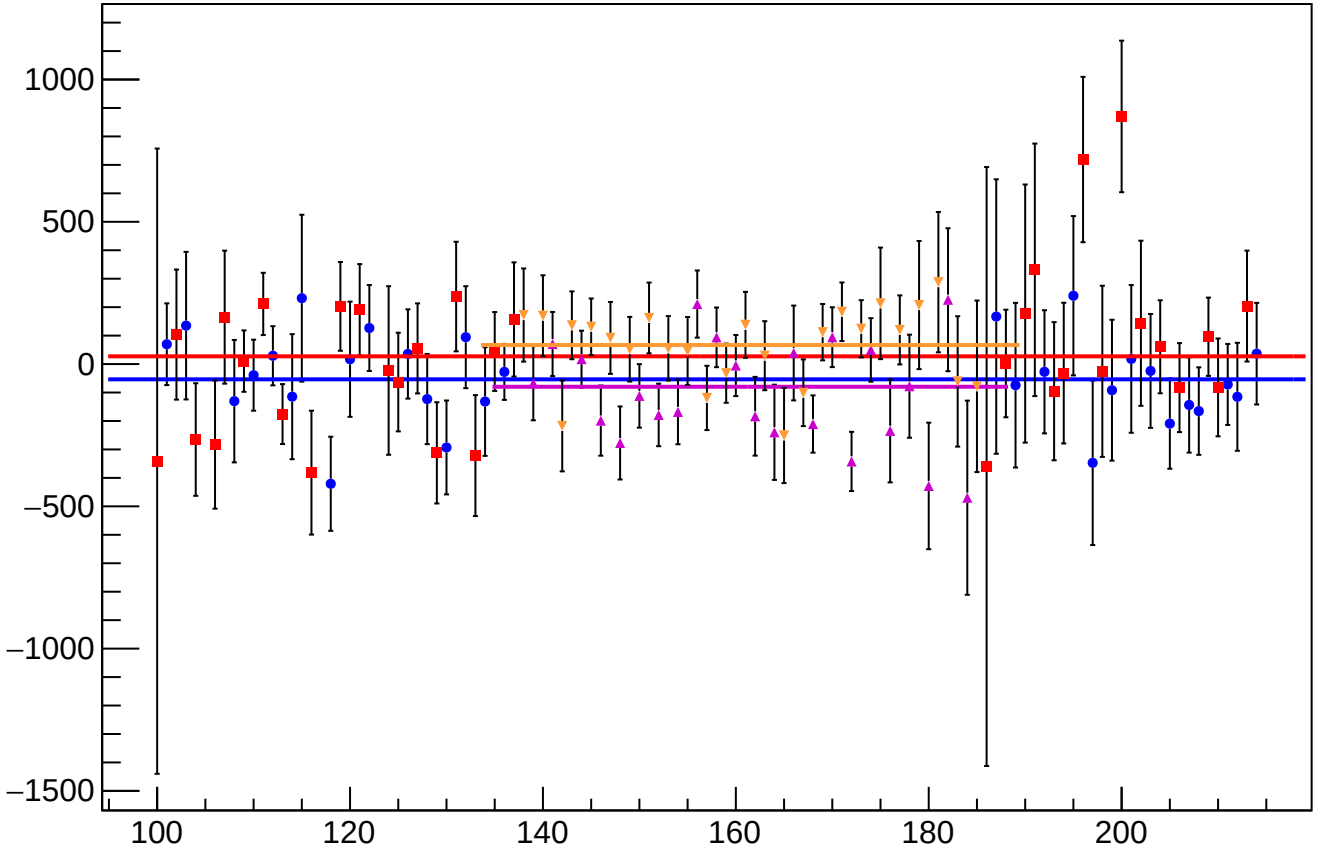
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 913.562+/-0.114 χ^2/NDF: 11100339.0/54

All: 913.746+/-0.081 χ^2/NDF: 23257280.5/11

- sign 913.936+/-0.116 χ^2/NDF: 12156936.2/56

dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.624+/-31.584 χ^2/NDF: 17.7/29

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.173+/-31.640 χ^2/NDF: 44.3/33

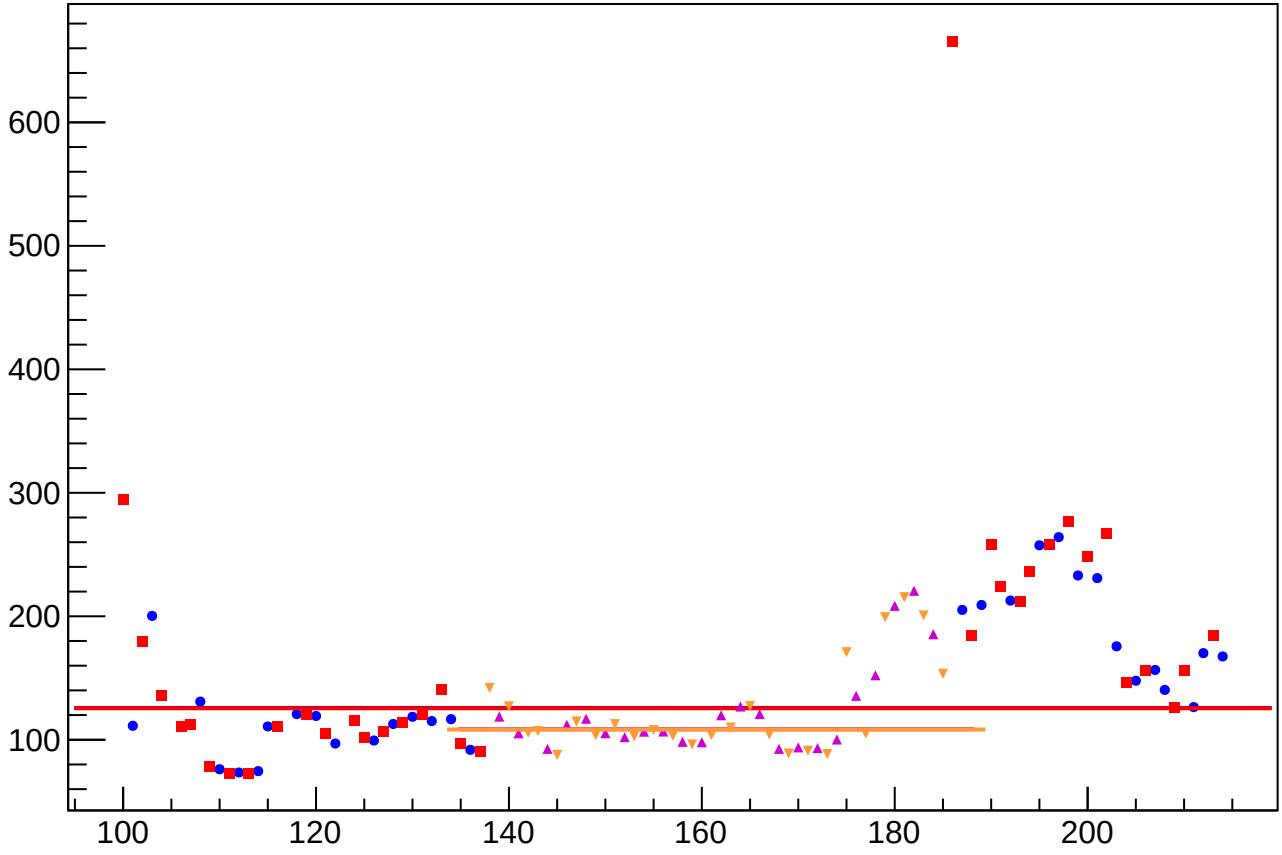
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 19.148+/-19.880 χ^2/NDF: 46.1/54

All: -7.988+/-14.178 χ^2/NDF: 137.9/111

- sign -36.072+/-20.225 χ^2/NDF: 88.0/56

dit_asym_sam_3748_avg_rms vs Slug



Right In: 125.750+/-0.022 χ^2/NDF: 4136137.5/29

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 125.502+/-0.022 χ^2/NDF: 5625230.9/33

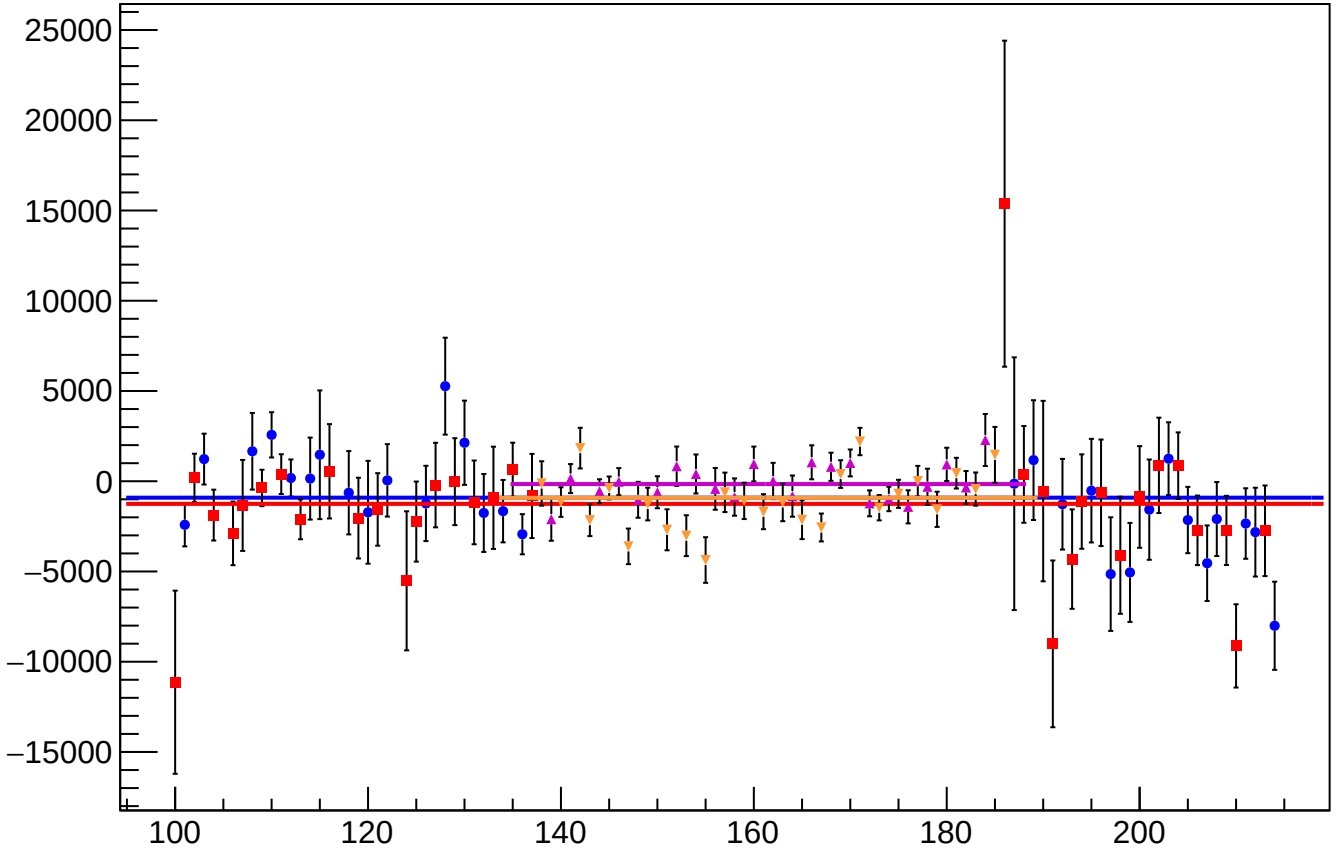
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 115.232+/-0.014 χ^2/NDF: 6278104.6/54

All: 115.335+/-0.010 χ^2/NDF: 13624677.1/11

- sign 115.442+/-0.014 χ^2/NDF: 7346462.4/56

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -911.116+/-351.213 χ^2/NDF: 45.0/29

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1254.491+/-342.061 χ^2/NDF: 37.6/33

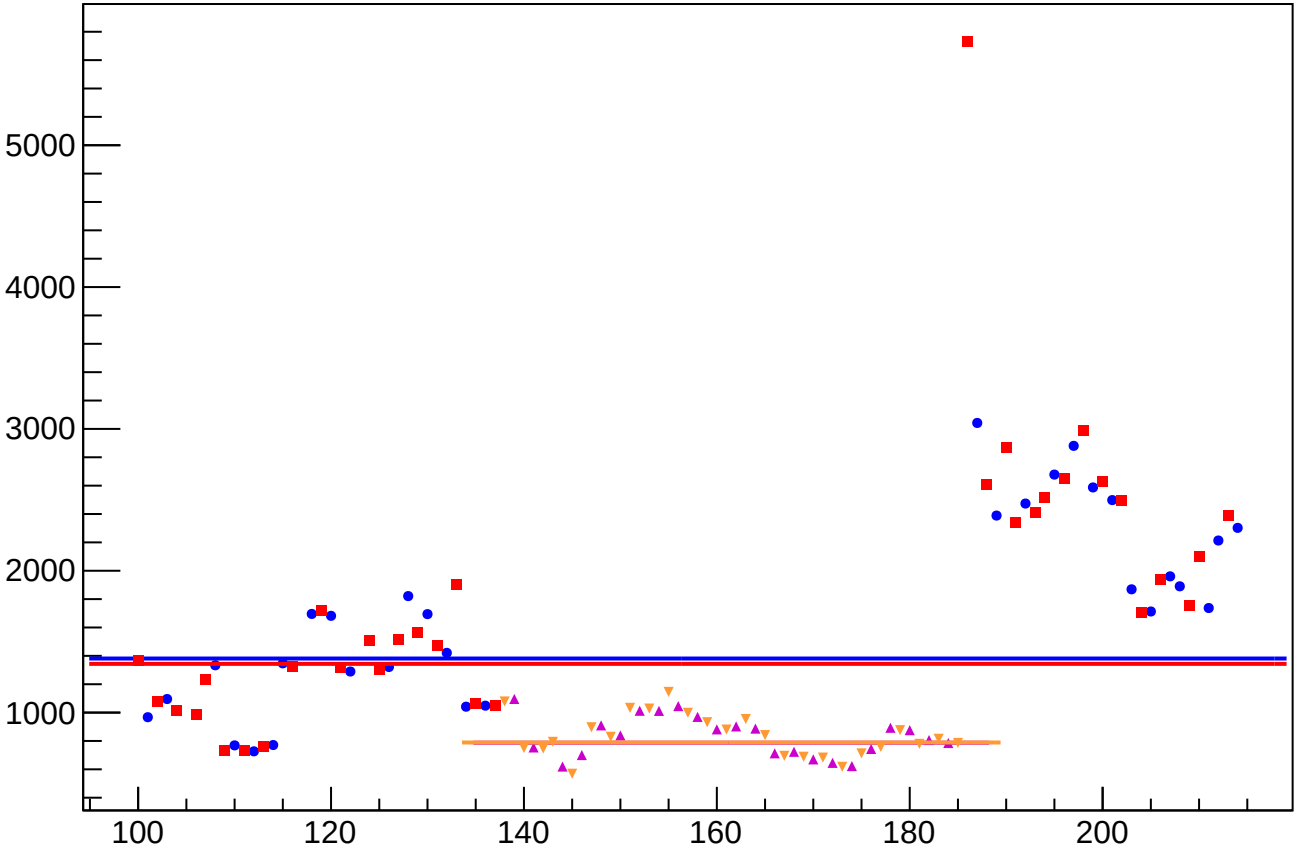
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -917.116+/-161.915 χ^2/NDF: 109.1/54

All: -666.509+/-115.277 χ^2/NDF: 182.5/111

- sign -408.904+/-164.160 χ^2/NDF: 68.6/56

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1381.183+/-0.248 χ^2/NDF: 5451902.4/29

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1343.569+/-0.242 χ^2/NDF: 6967312.0/33

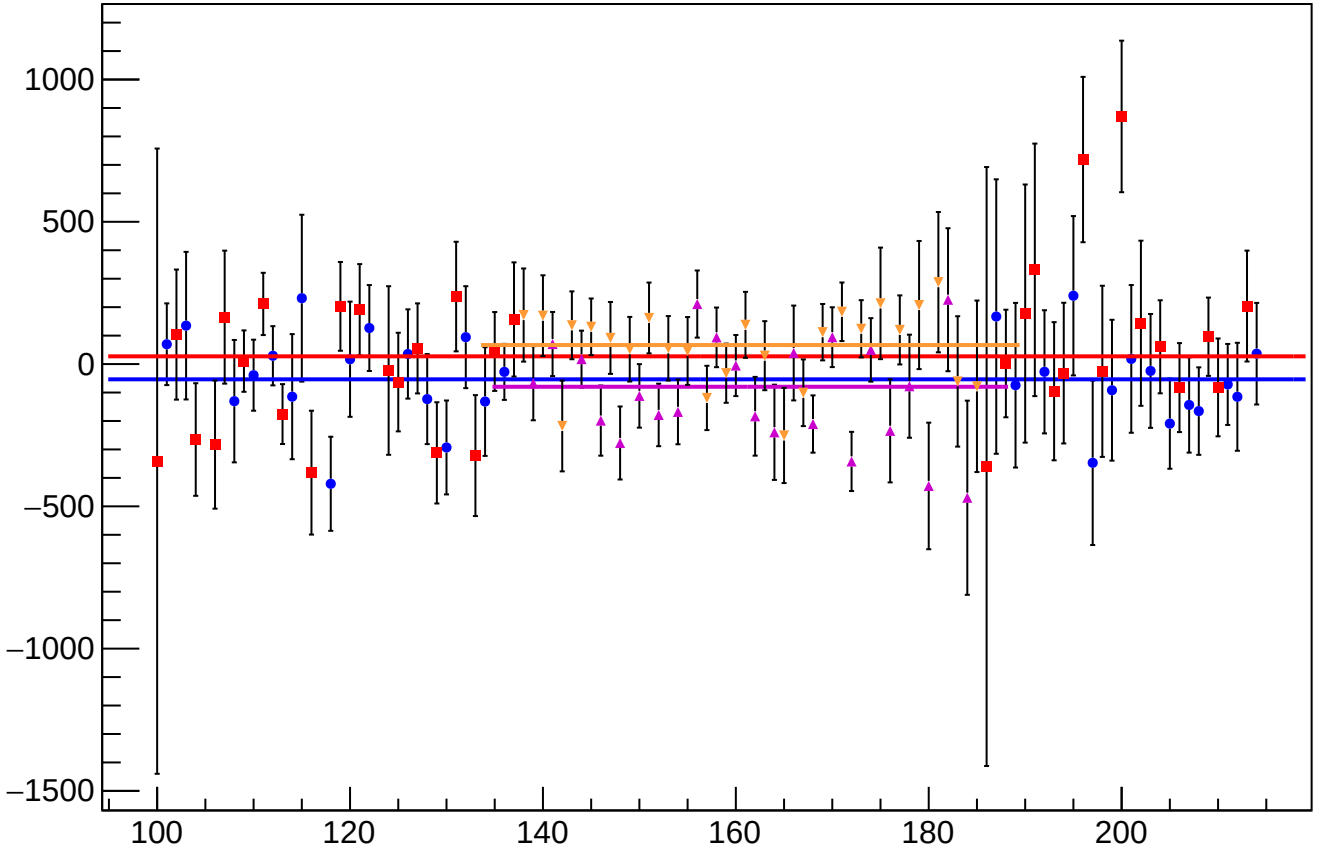
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 915.056+/-0.114 χ^2/NDF: 11102379.3/54

All: 915.269+/-0.082 χ^2/NDF: 23180816.6/11

- sign 915.487+/-0.116 χ^2/NDF: 12078430.3/56

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -53.622+/-31.584 χ^2/NDF: 17.7/29

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 27.176+/-31.640 χ^2/NDF: 44.3/33

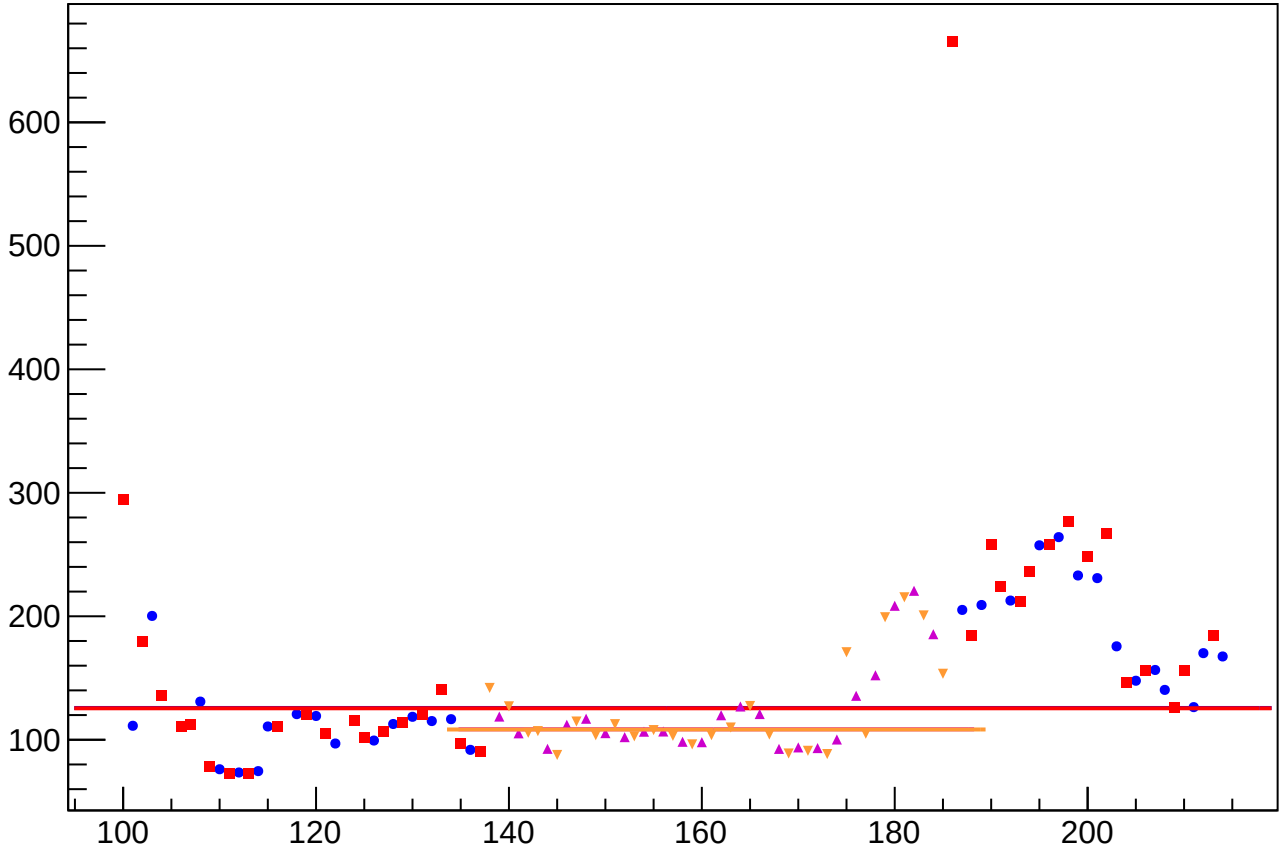
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 19.150+/-19.880 χ^2/NDF: 46.1/54

All: -7.986+/-14.178 χ^2/NDF: 137.9/111

- sign -36.071+/-20.225 χ^2/NDF: 88.0/56

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 125.751+/-0.022 χ^2/NDF: 4136123.6/29

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

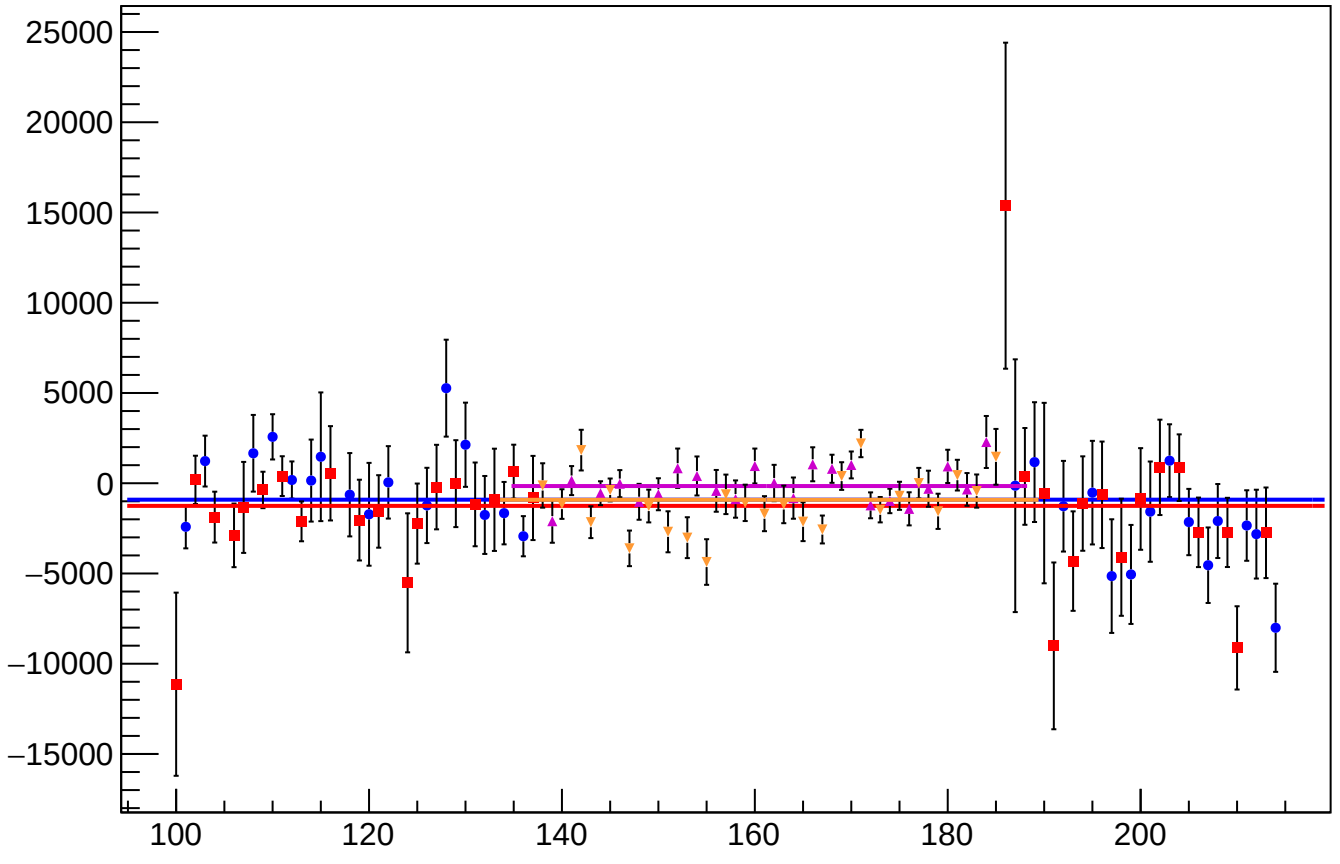
Right Out: 125.502+/-0.022 χ^2/NDF: 5625231.3/33

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 115.232+/-0.014 χ^2/NDF: 6278077.4/54

All: 115.335+/-0.010 χ^2/NDF: 13624623.7/11

- sign 115.442+/-0.014 χ^2/NDF: 7346436.3/56



Right In: -911.113+/-351.213 χ^2/NDF: 45.0/29

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

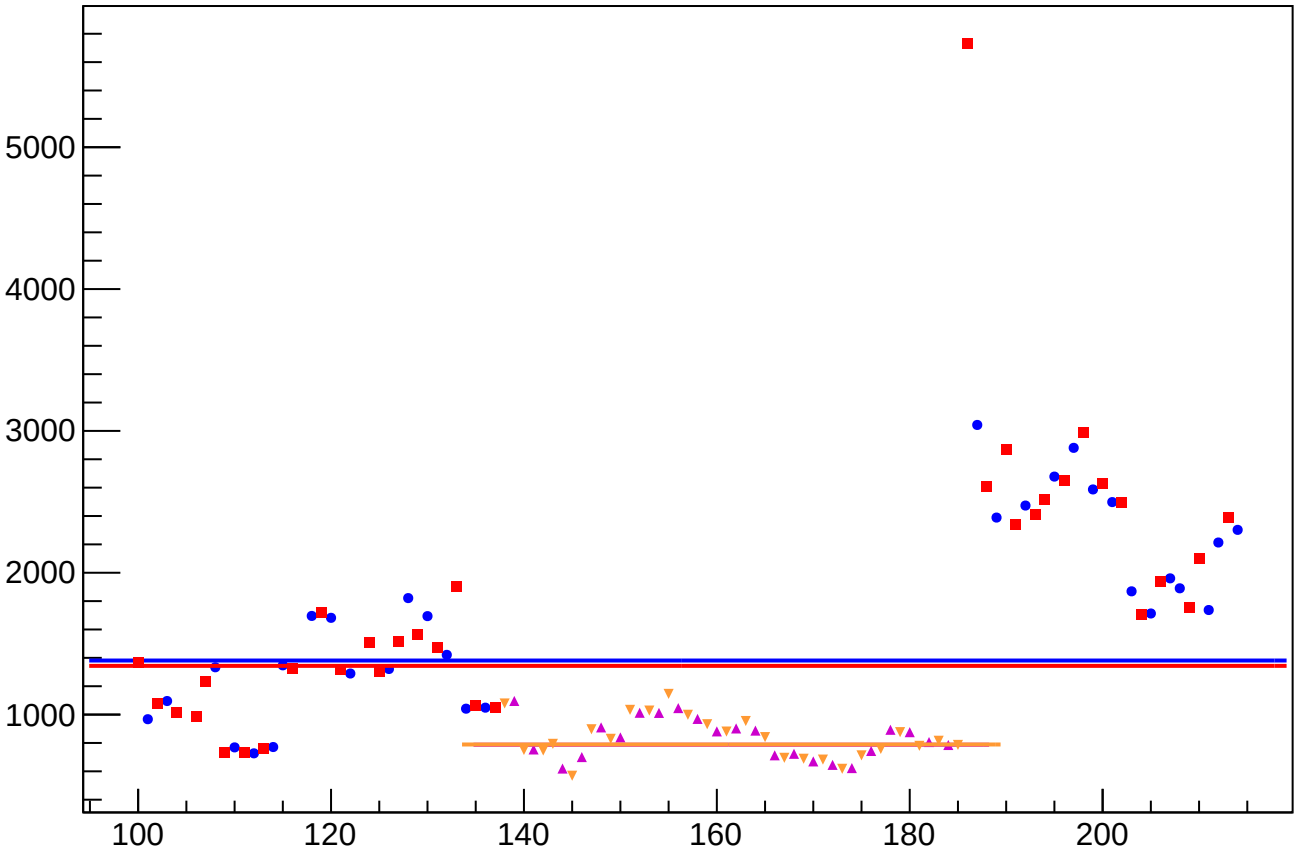
Right Out: -1254.489+/-342.060 χ^2/NDF: 37.6/33

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -917.114+/-161.914 χ^2/NDF: 109.1/54

All: -666.507+/-115.276 χ^2/NDF: 182.5/111

- sign -408.903+/-164.159 χ^2/NDF: 68.6/56



Right In: 1381.181+/-0.248 χ^2/NDF: 5451916.3/29

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1343.567+/-0.242 χ^2/NDF: 6967320.1/33

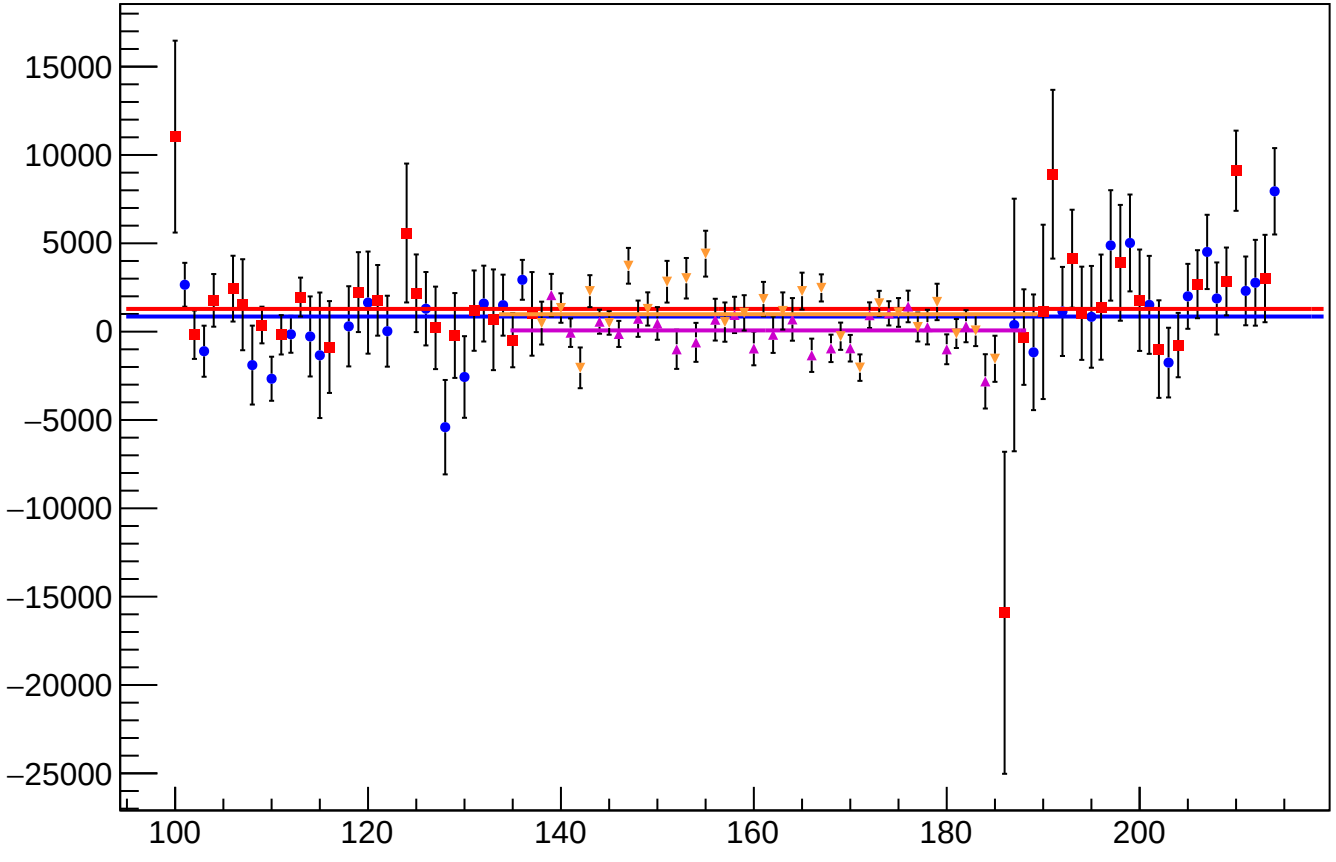
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 915.055+/-0.114 χ^2/NDF: 11102397.2/54

All: 915.267+/-0.082 χ^2/NDF: 23180845.4/11

- sign 915.486+/-0.116 χ^2/NDF: 12078441.2/56

asym_sam_3748_avg_mean vs Slug



Right In: 855.912+/-353.633 χ^2/NDF: 46.1/29

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1286.982+/-346.679 χ^2/NDF: 35.7/33

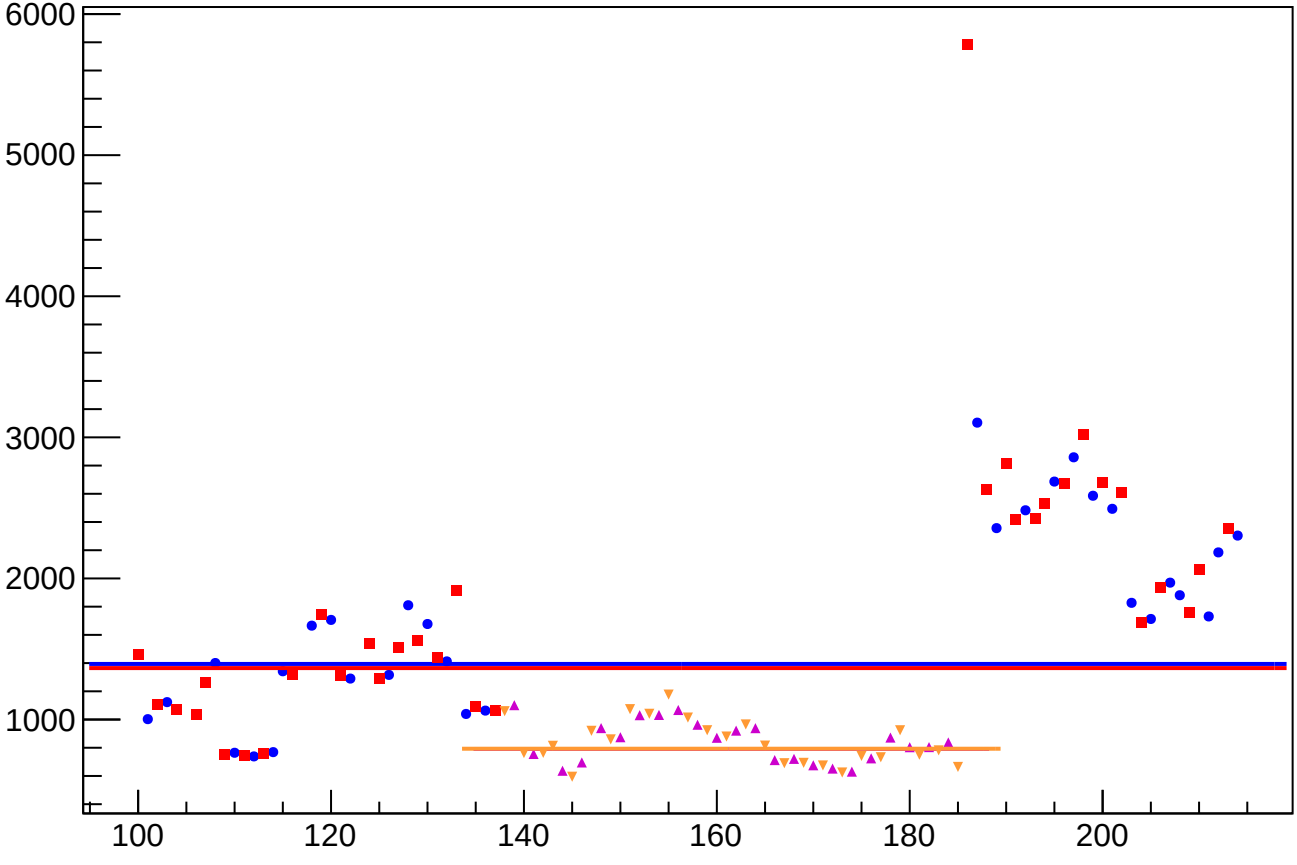
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 958.109+/-162.948 χ^2/NDF: 109.9/54

All: 656.766+/-116.040 χ^2/NDF: 186.4/111

- sign 346.707+/-165.288 χ^2/NDF: 69.6/56

asym_sam_3748_avg_rms vs Slug



Right In: 1394.009+/-0.250 χ^2/NDF: 5277355.3/29

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

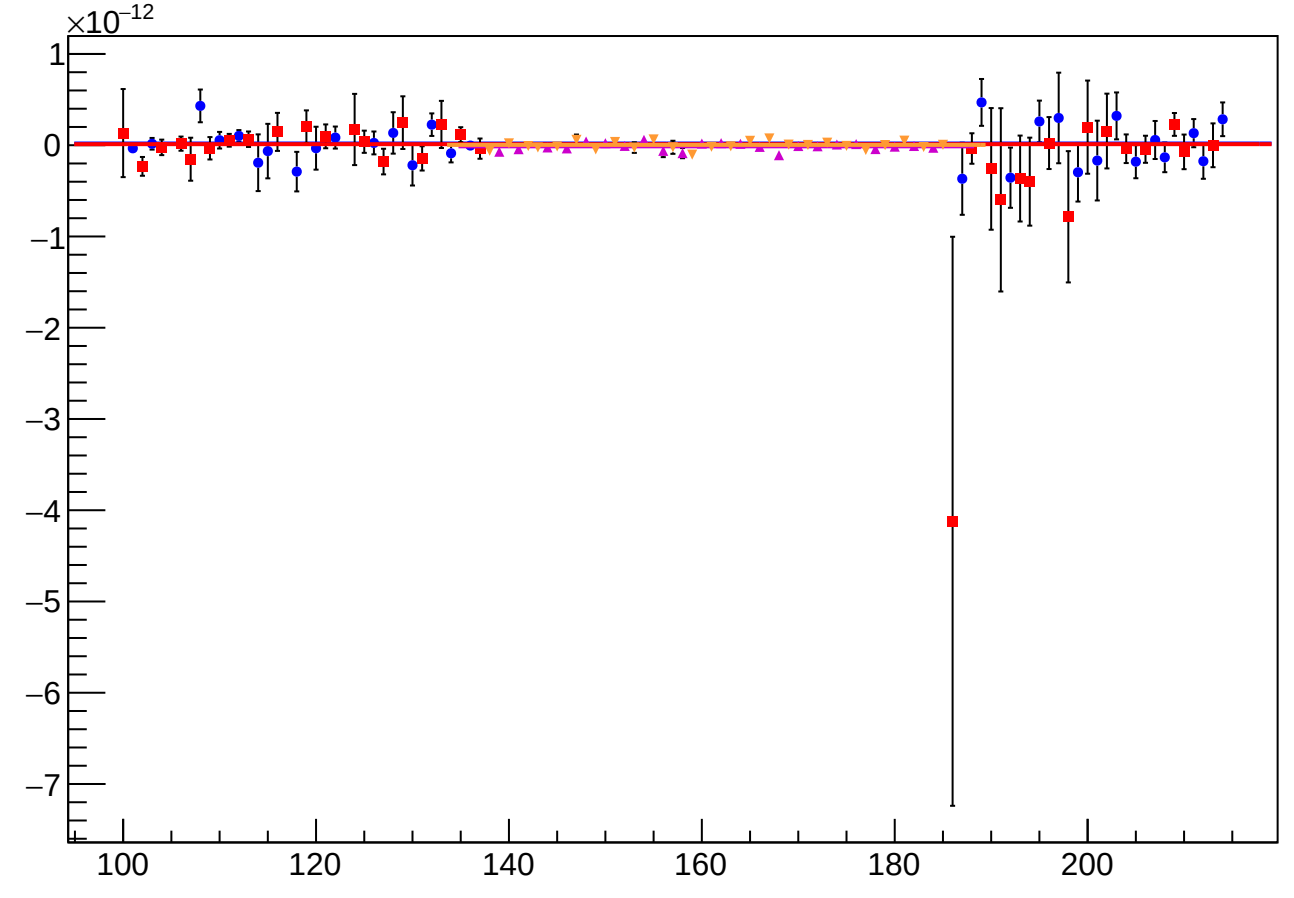
Right Out: 1364.574+/-0.245 χ^2/NDF: 6809856.0/33

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 920.647+/-0.115 χ^2/NDF: 11020802.0/54

All: 921.068+/-0.082 χ^2/NDF: 23107652.8/11

- sign 921.502+/-0.117 χ^2/NDF: 12086823.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

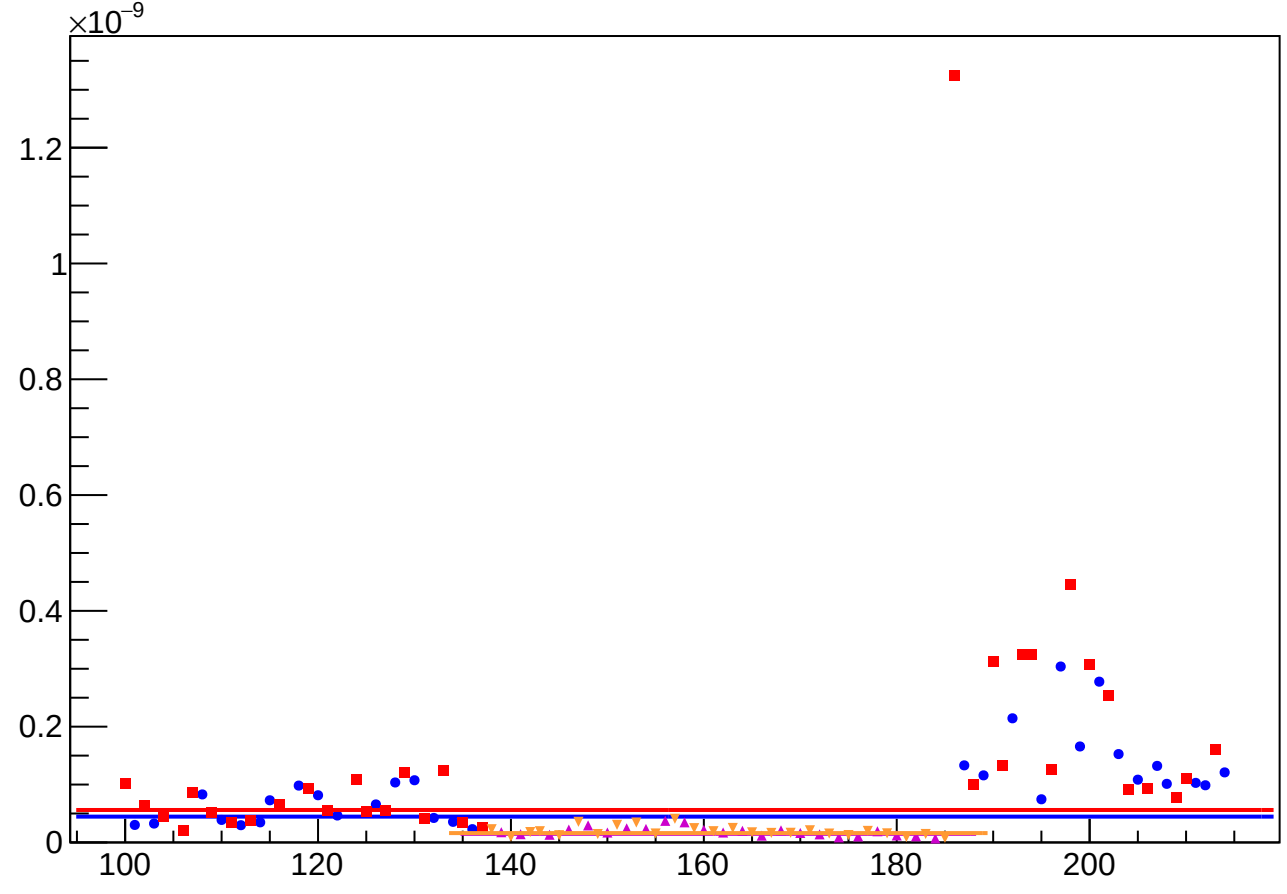
Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/33

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.4/54

All: -0.000+/-0.000 χ^2/NDF: 120.2/111

- sign -0.000+/-0.000 χ^2/NDF: 50.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 5813052.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6002247.8/33

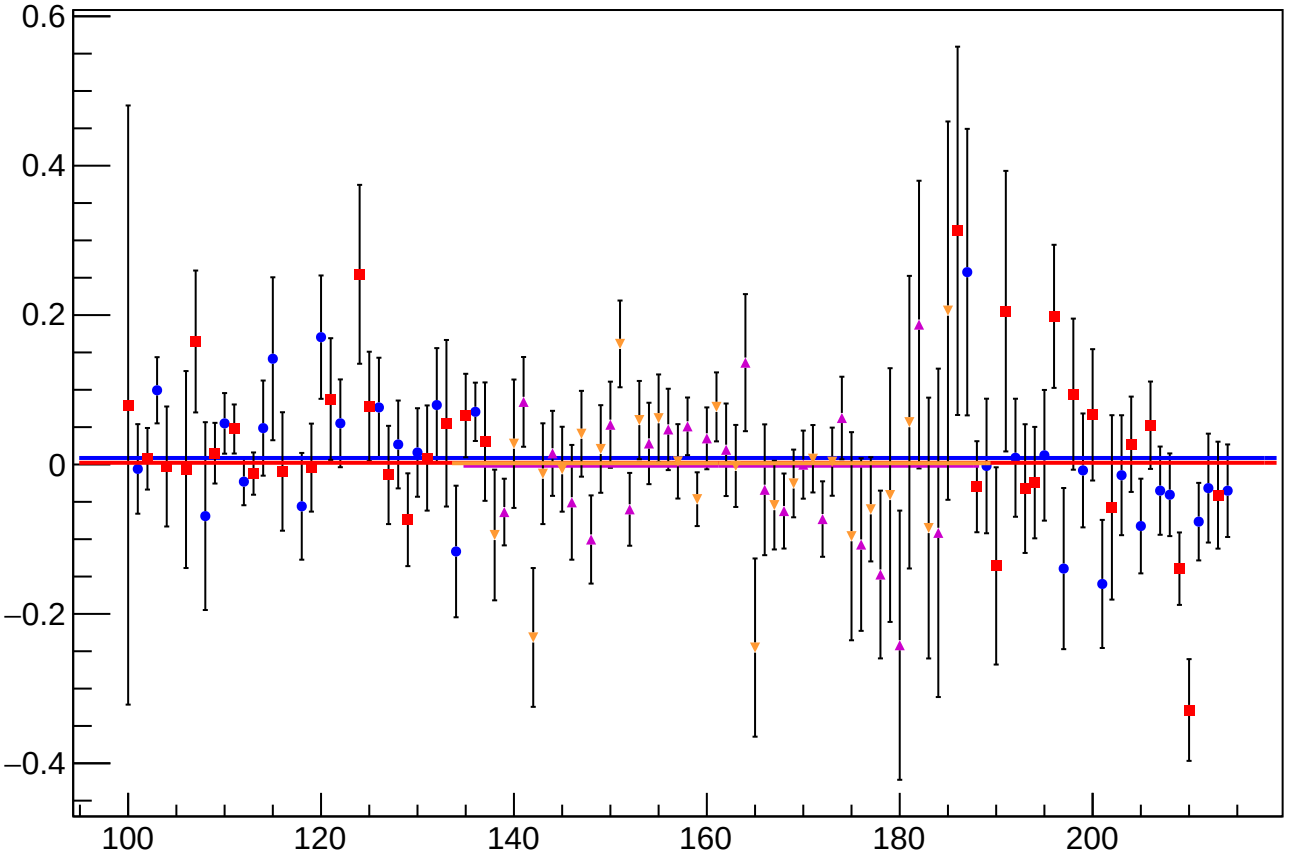
Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11027047.4/54

All: 0.000+/-0.000 χ^2/NDF: 23983485.7/111

- sign 0.000+/-0.000 χ^2/NDF: 12912613.3/56

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 35.1/29

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.002+/-0.011 χ^2/NDF: 58.7/33

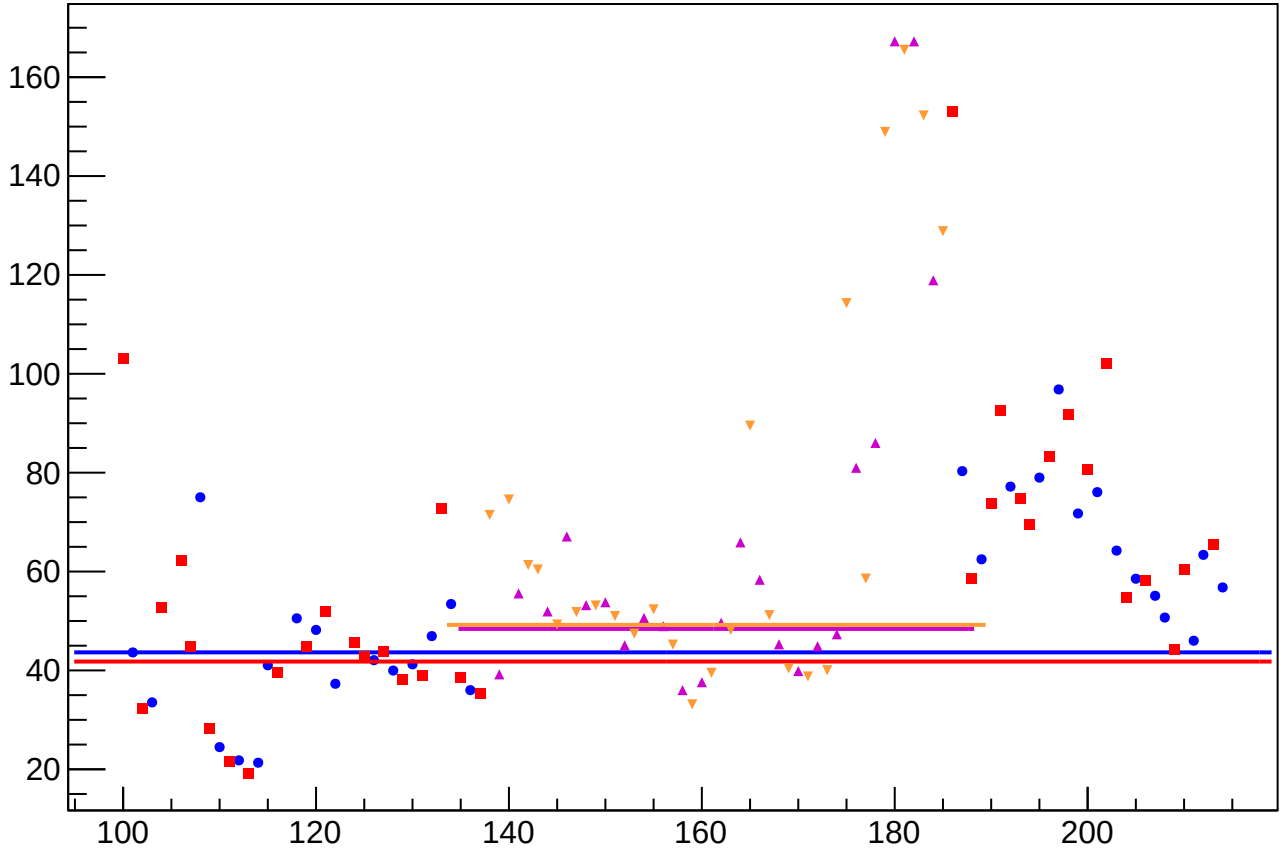
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.006+/-0.008 χ^2/NDF: 65.7/54

All: 0.003+/-0.006 χ^2/NDF: 150.7/111

- sign 0.001+/-0.008 χ^2/NDF: 84.8/56

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.655+/-0.008 χ^2/NDF: 4526310.3/29

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

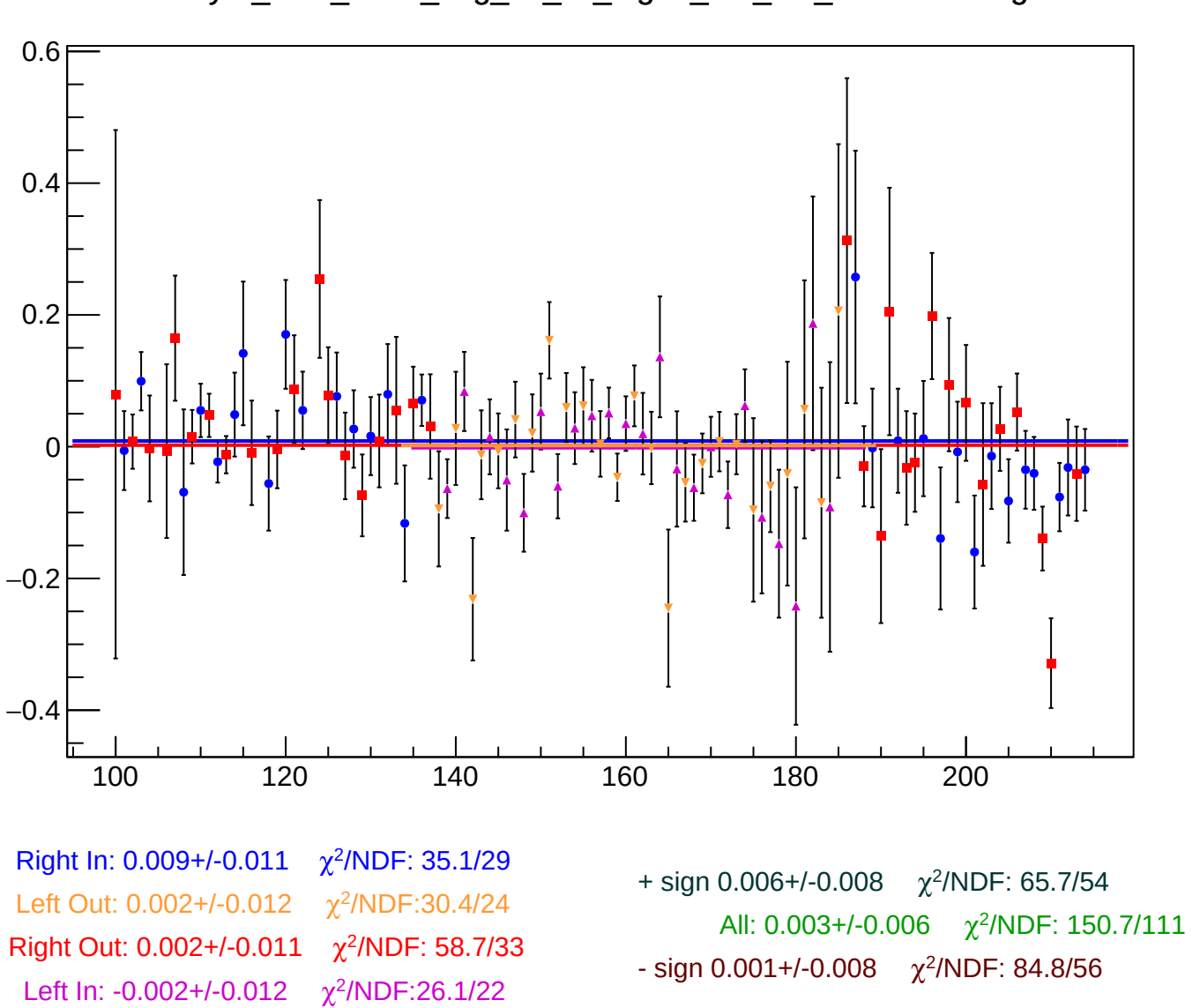
Right Out: 41.794+/-0.008 χ^2/NDF: 6467618.3/33

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

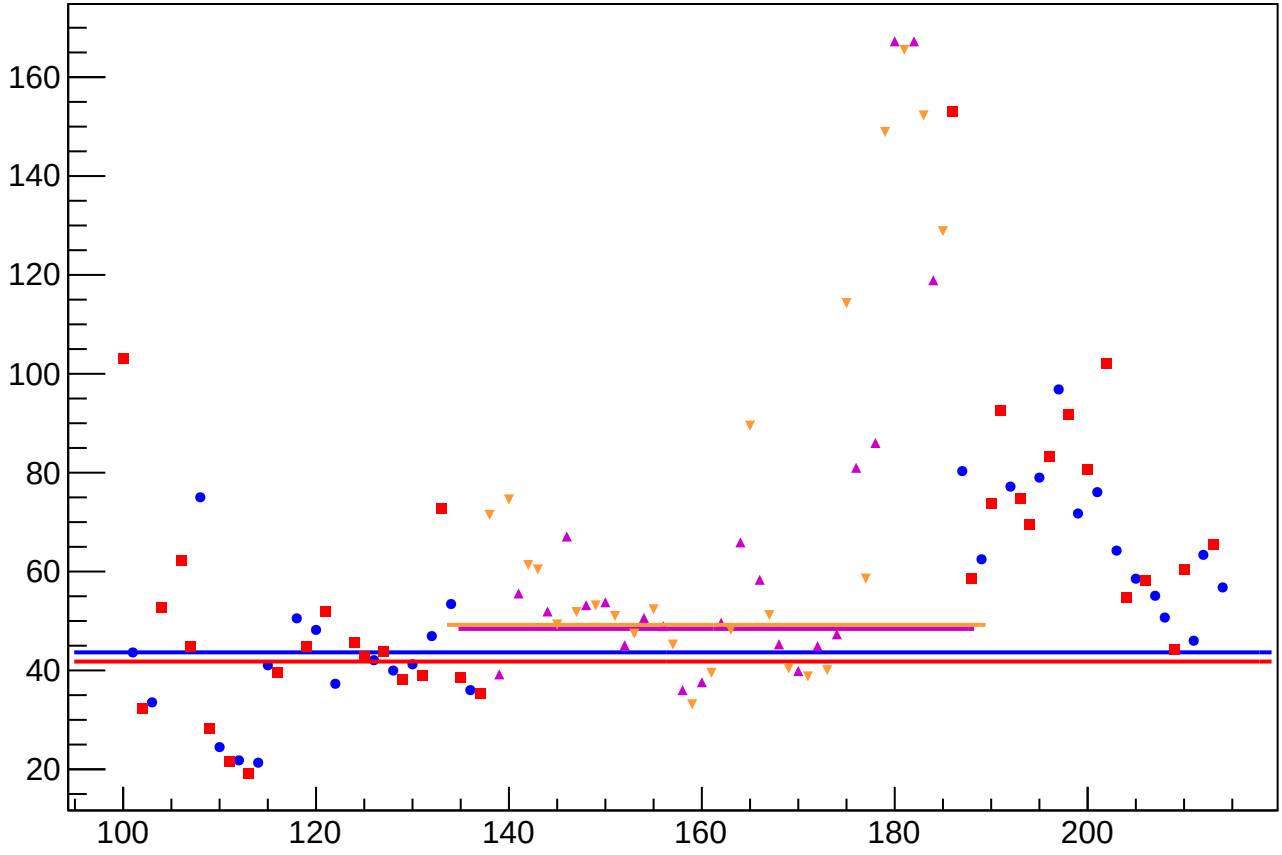
+ sign 46.197+/-0.006 χ^2/NDF: 8920083.6/54

All: 45.443+/-0.004 χ^2/NDF: 18771258.4/11

- sign 44.707+/-0.006 χ^2/NDF: 9818694.6/56


asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.009+/-0.011 χ²/NDF: 35.1/29
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.002+/-0.011 χ²/NDF: 58.7/33
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.006+/-0.008 χ²/NDF: 65.7/54
All: 0.003+/-0.006 χ²/NDF: 150.7/111
- sign 0.001+/-0.008 χ²/NDF: 84.8/56

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.655+/-0.008 χ^2/NDF: 4526310.3/29

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

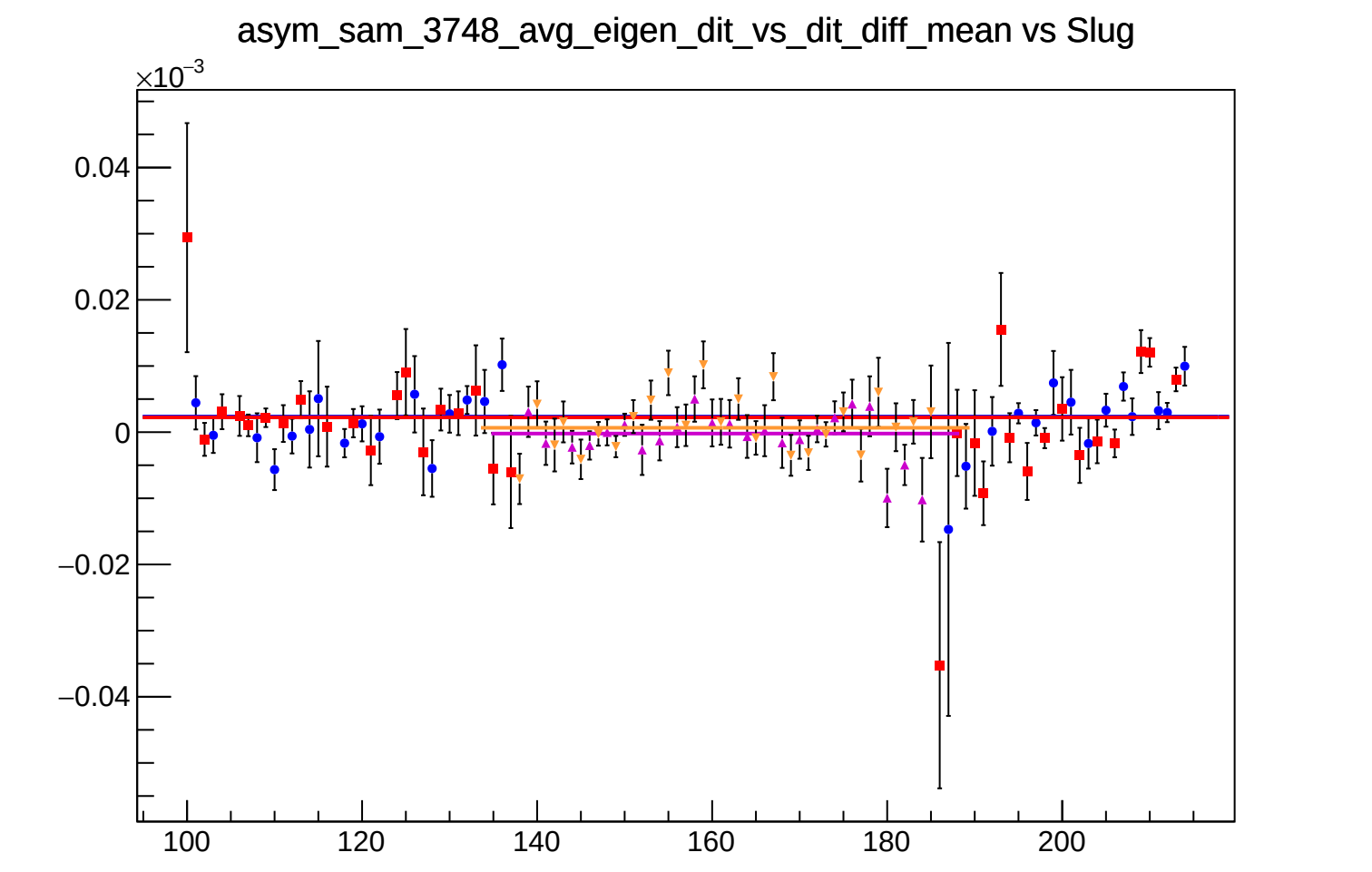
Right Out: 41.794+/-0.008 χ^2/NDF: 6467618.3/33

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.197+/-0.006 χ^2/NDF: 8920083.6/54

All: 45.443+/-0.004 χ^2/NDF: 18771258.4/11

- sign 44.707+/-0.006 χ^2/NDF: 9818694.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

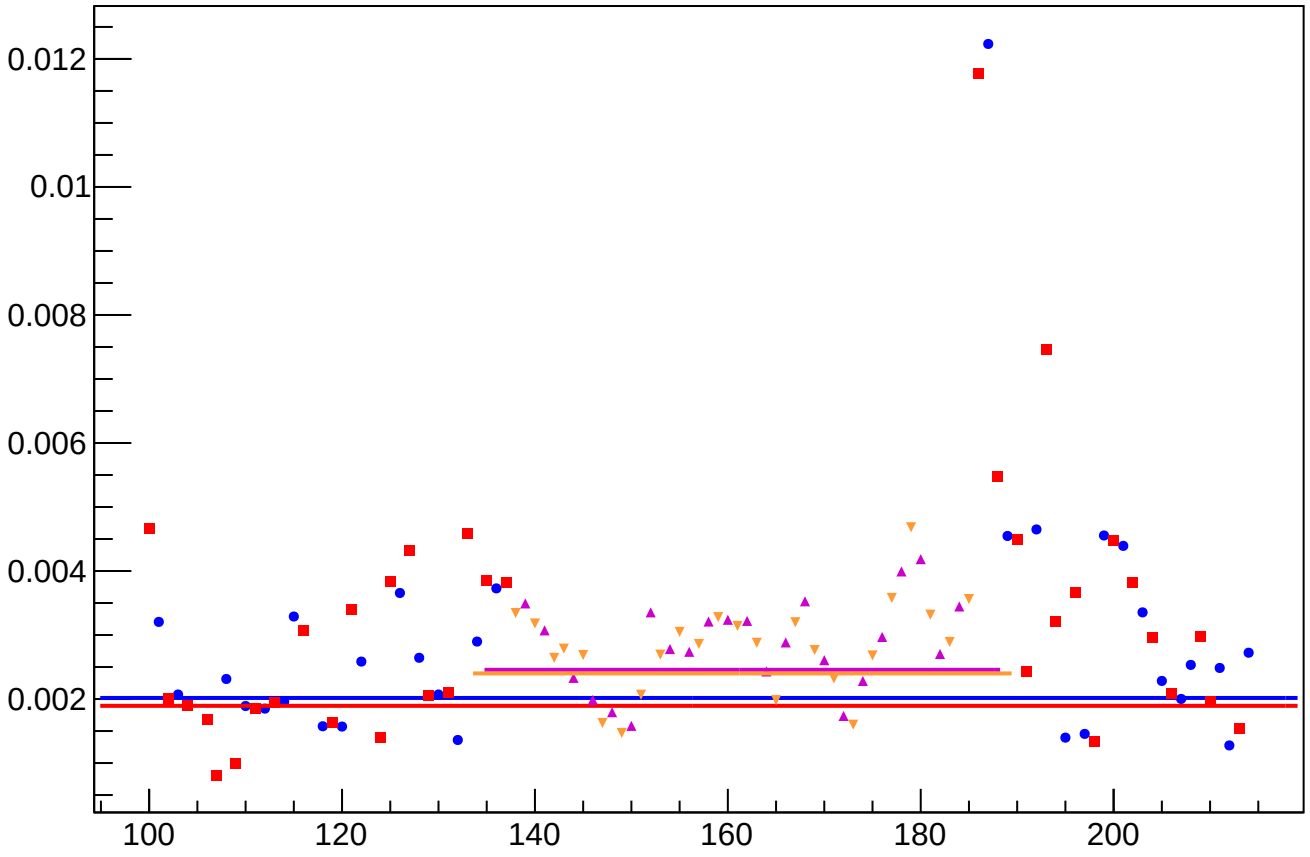
Right Out: 0.000+/-0.000 χ^2/NDF: 81.4/33

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 86.8/54

All: 0.000+/-0.000 χ^2/NDF: 198.1/111

- sign 0.000+/-0.000 χ^2/NDF: 110.8/56



Right In: 0.002+/-0.000 χ^2/NDF: 4914525.9/29

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

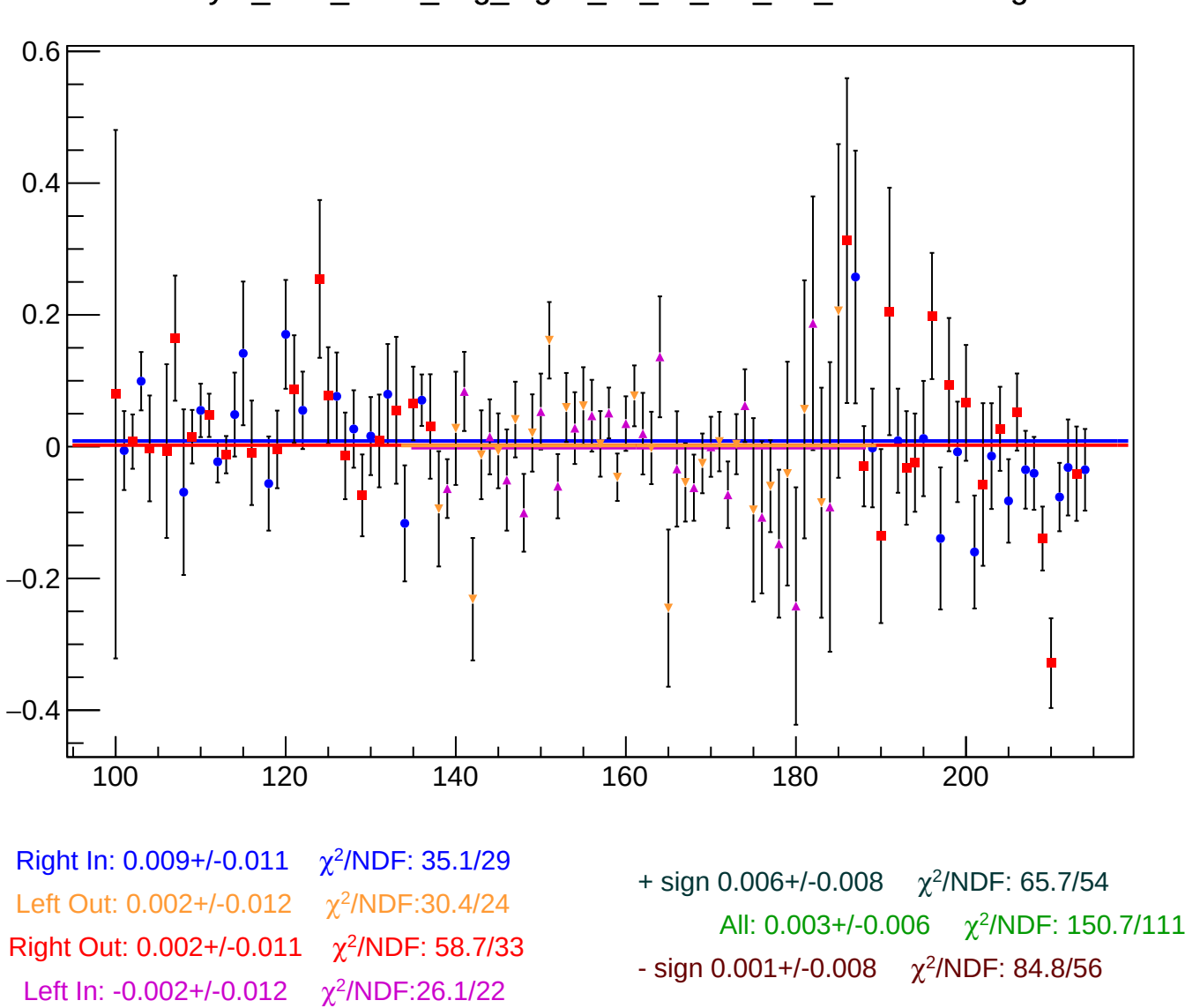
Right Out: 0.002+/-0.000 χ^2/NDF: 7877111.5/33

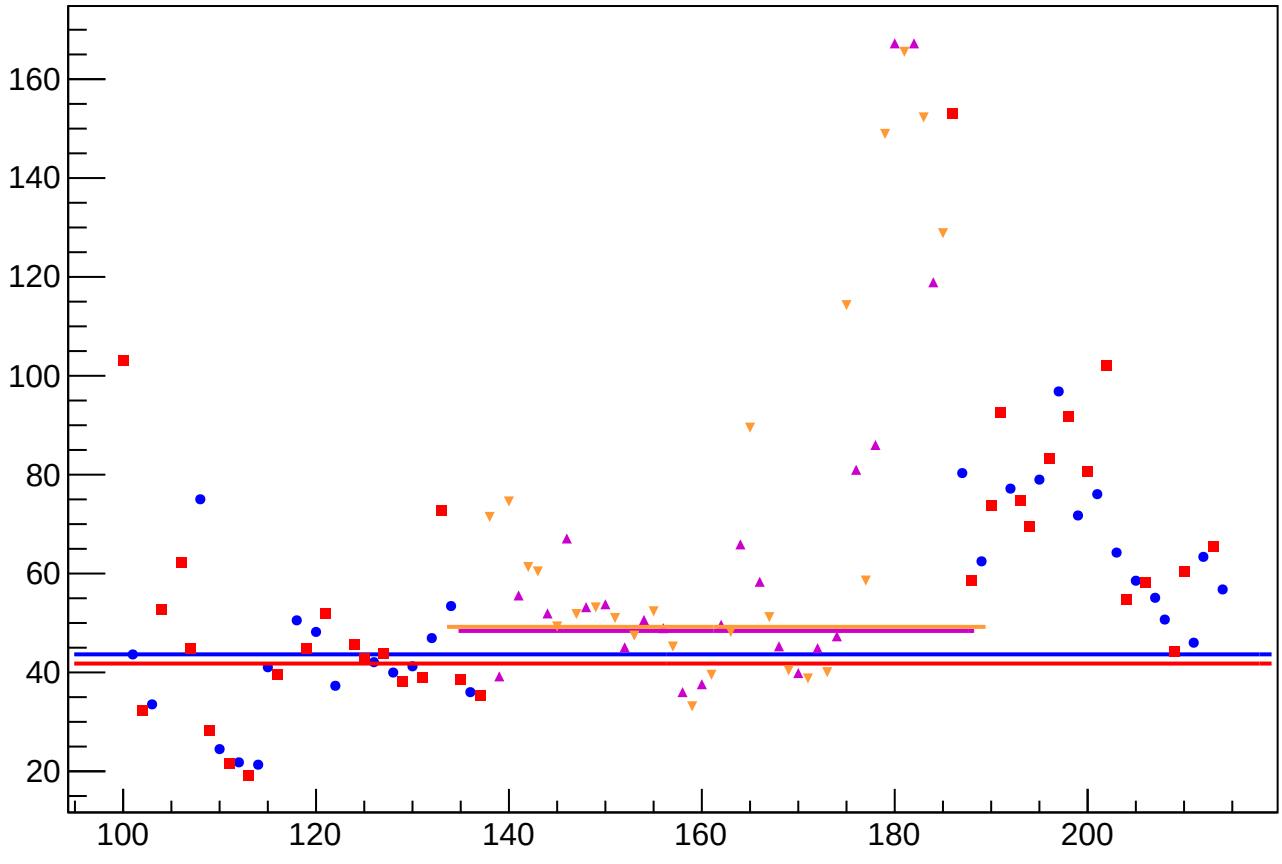
Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8527907.3/54

All: 0.002+/-0.000 χ^2/NDF: 20091219.5/111

- sign 0.002+/-0.000 χ^2/NDF: 11535663.7/56


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.009+/-0.011 χ²/NDF: 35.1/29
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.002+/-0.011 χ²/NDF: 58.7/33
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.006+/-0.008 χ²/NDF: 65.7/54
All: 0.003+/-0.006 χ²/NDF: 150.7/111
- sign 0.001+/-0.008 χ²/NDF: 84.8/56



Right In: 43.655+/-0.008 χ^2/NDF: 4526177.2/29

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

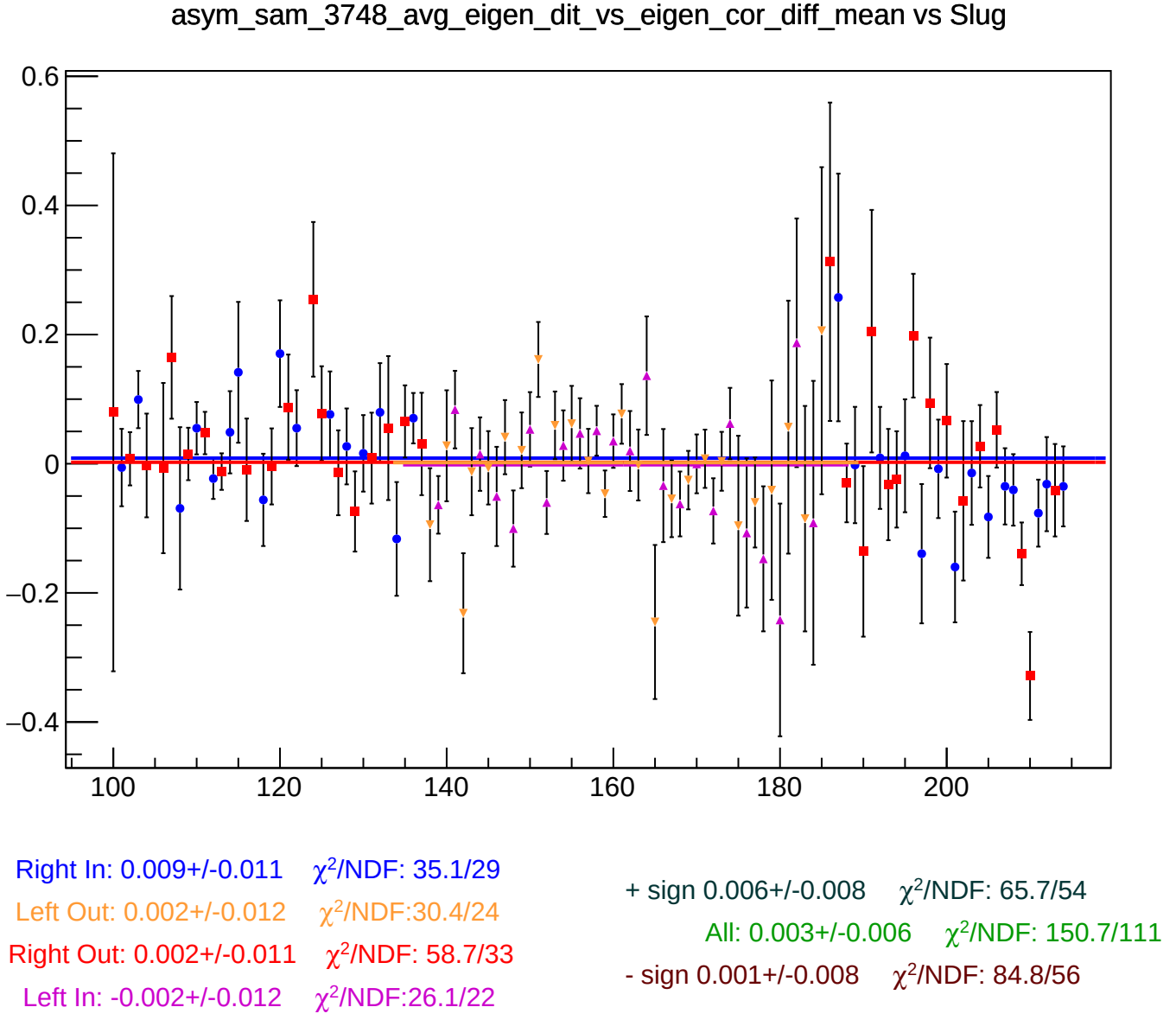
Right Out: 41.795+/-0.008 χ^2/NDF: 6467530.9/33

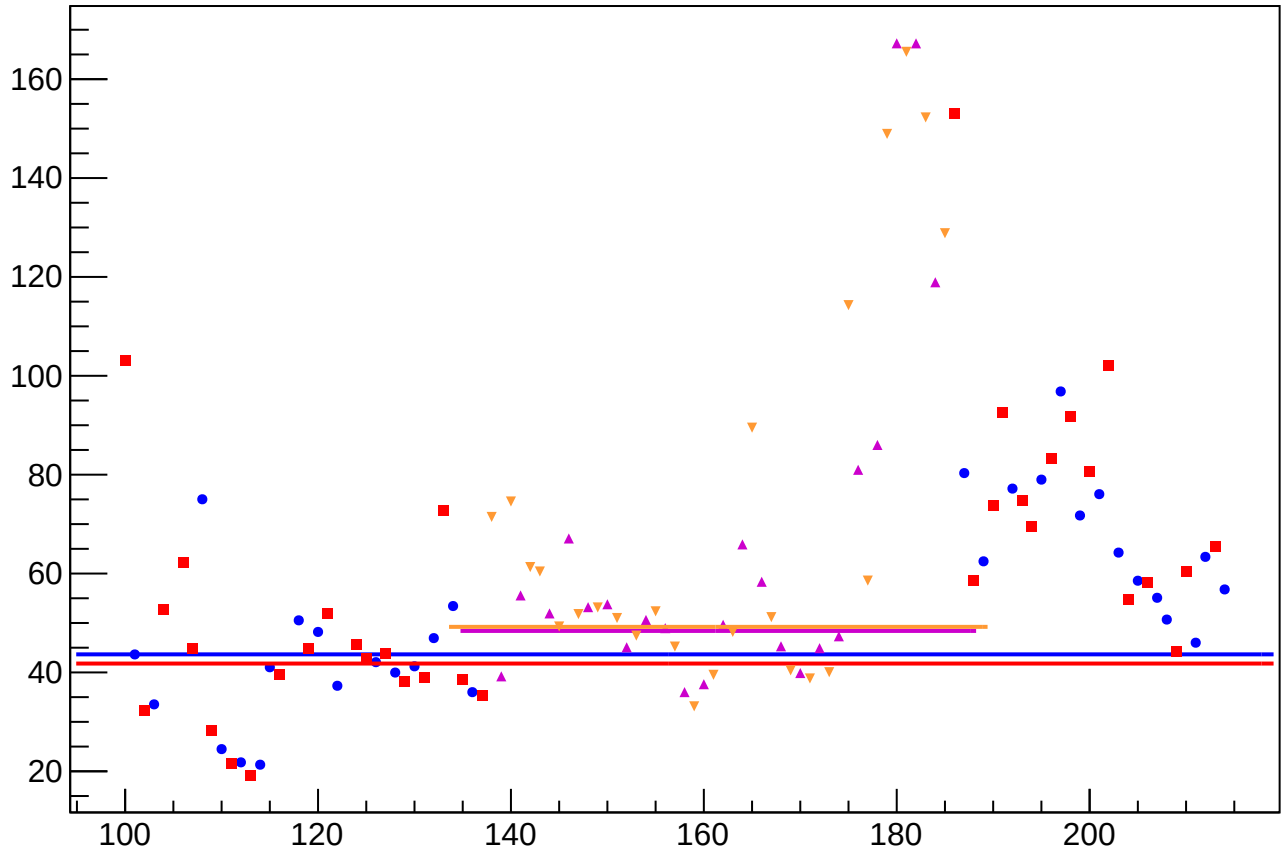
Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.197+/-0.006 χ^2/NDF: 8919934.7/54

All: 45.444+/-0.004 χ^2/NDF: 18770992.3/11

- sign 44.707+/-0.006 χ^2/NDF: 9818579.5/56


asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.009+/-0.011 χ²/NDF: 35.1/29
Left Out: 0.002+/-0.012 χ²/NDF:30.4/24
Right Out: 0.002+/-0.011 χ²/NDF: 58.7/33
Left In: -0.002+/-0.012 χ²/NDF:26.1/22
+ sign 0.006+/-0.008 χ²/NDF: 65.7/54
All: 0.003+/-0.006 χ²/NDF: 150.7/111
- sign 0.001+/-0.008 χ²/NDF: 84.8/56



Right In: 43.655+/-0.008 χ^2/NDF: 4526177.2/29

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

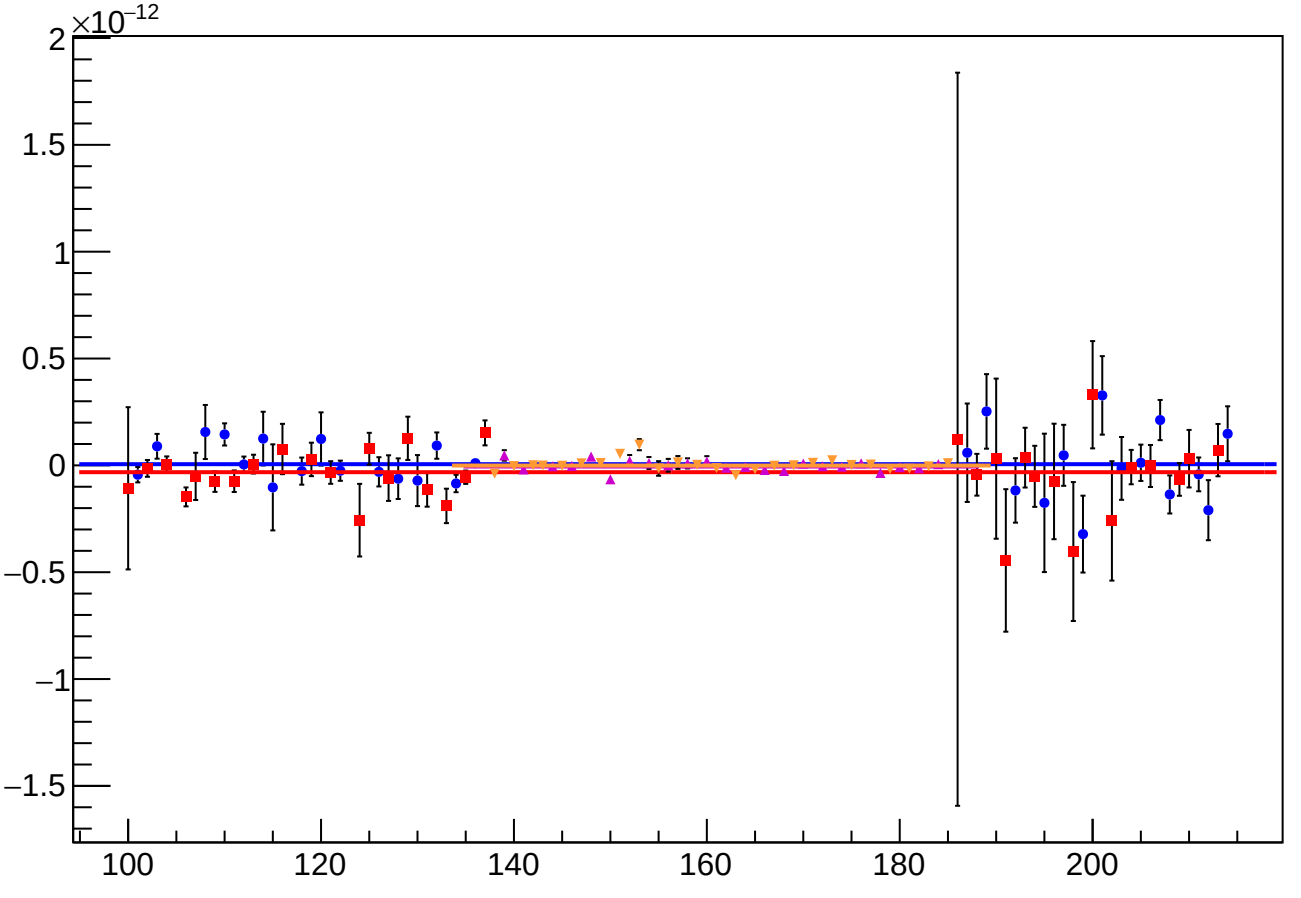
Right Out: 41.795+/-0.008 χ^2/NDF: 6467530.9/33

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.197+/-0.006 χ^2/NDF: 8919934.7/54

All: 45.444+/-0.004 χ^2/NDF: 18770992.3/11

- sign 44.707+/-0.006 χ^2/NDF: 9818579.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 44.4/29

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

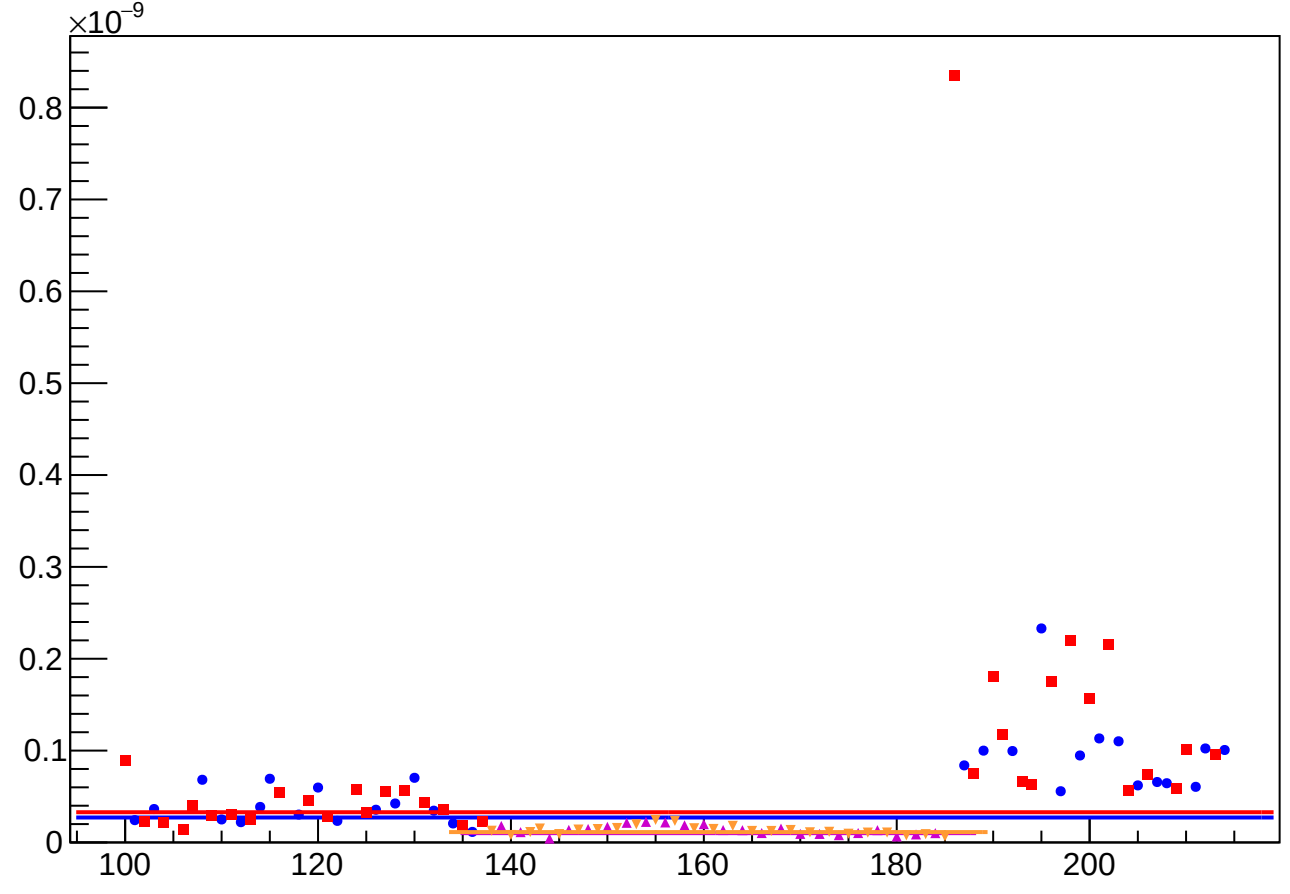
Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/33

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.7/54

All: -0.000+/-0.000 χ^2/NDF: 157.6/111

- sign -0.000+/-0.000 χ^2/NDF: 73.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 8416292.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7510584.1/33

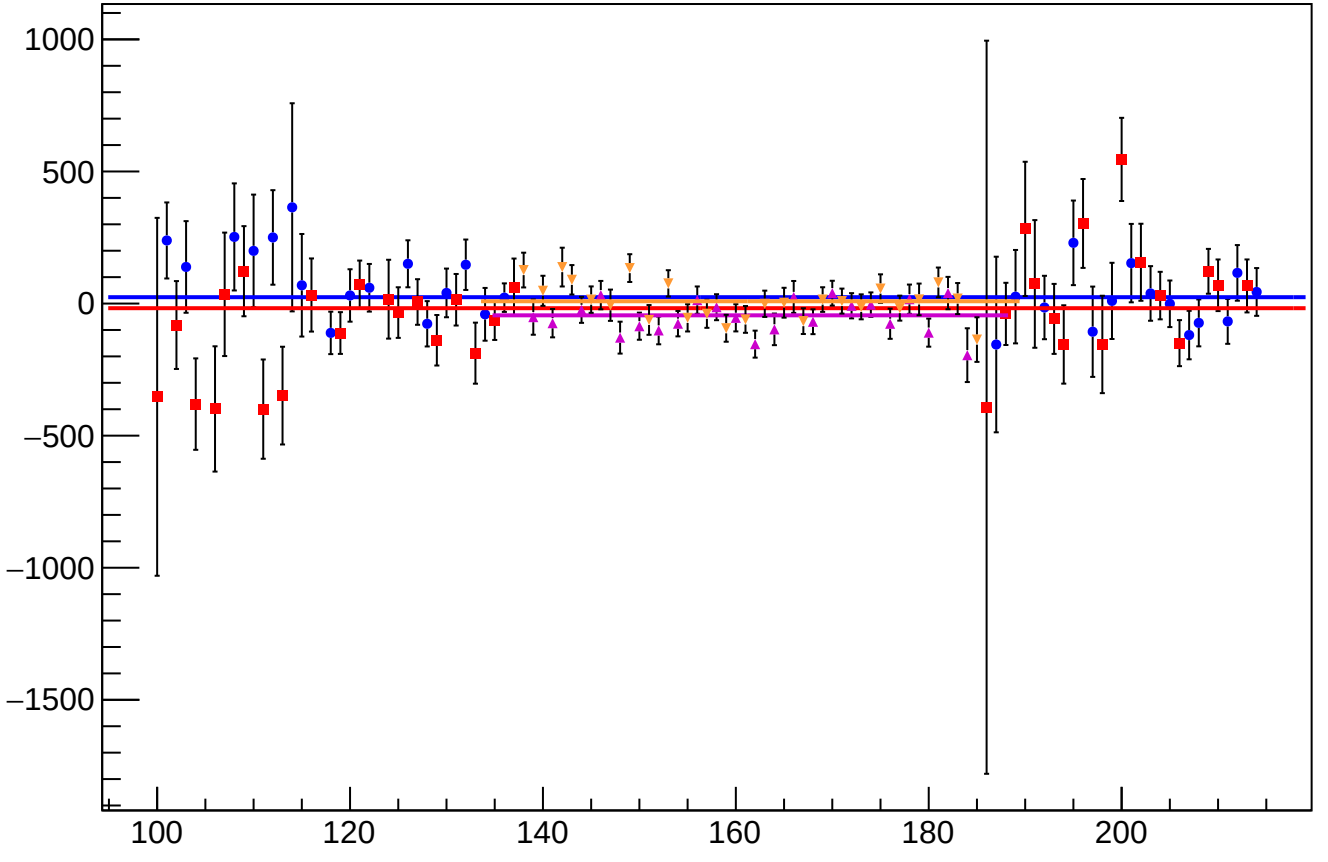
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14579189.6/54

All: 0.000+/-0.000 χ^2/NDF: 32730870.2/111

- sign 0.000+/-0.000 χ^2/NDF: 18039541.9/56

reg_asym_sam_1526_avg_mean vs Slug



Right In: 24.133+/-19.609 χ^2/NDF: 24.6/29

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -17.547+/-20.669 χ^2/NDF: 50.8/33

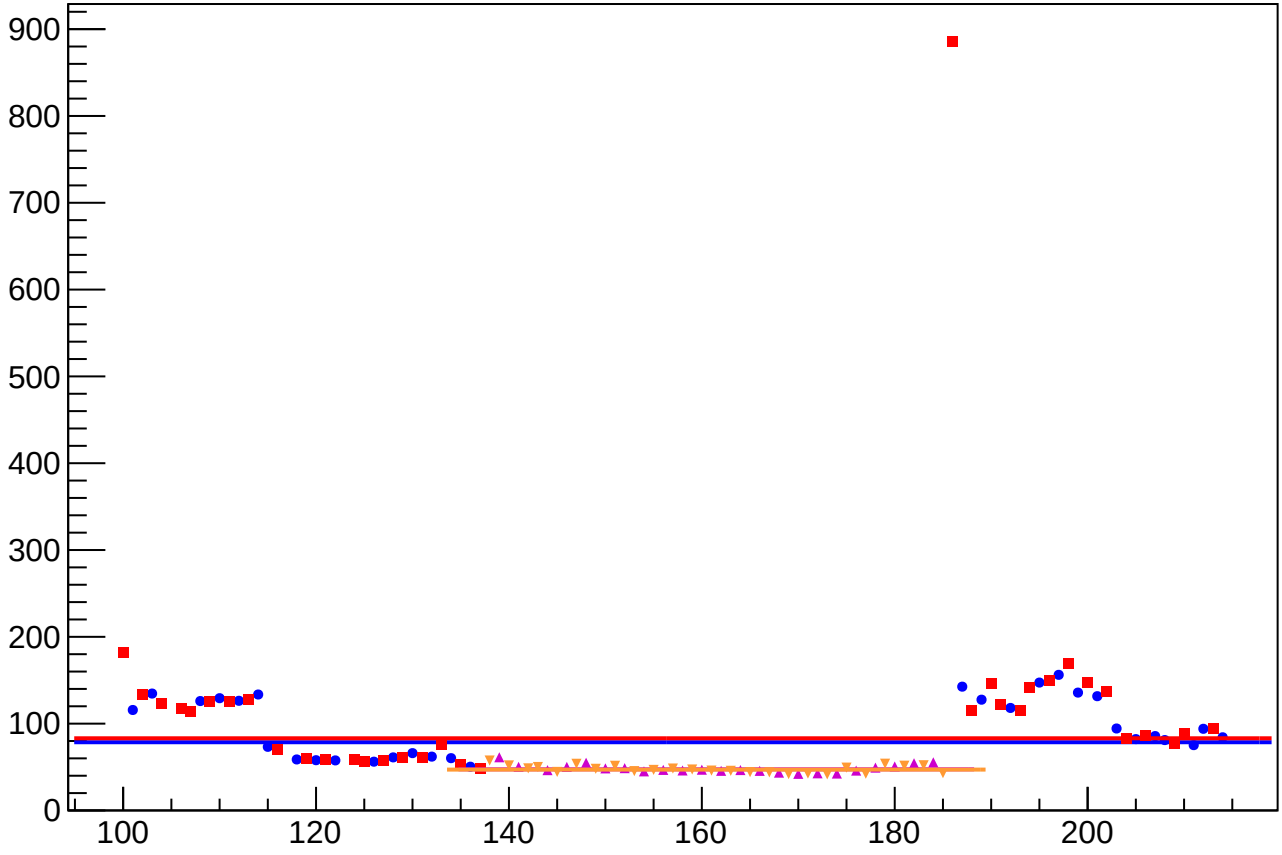
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 12.319+/-9.440 χ^2/NDF: 59.7/54

All: -12.087+/-6.803 χ^2/NDF: 152.7/111

- sign -38.457+/-9.812 χ^2/NDF: 79.1/56

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.584+/-0.014 χ^2/NDF: 3897850.2/29

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

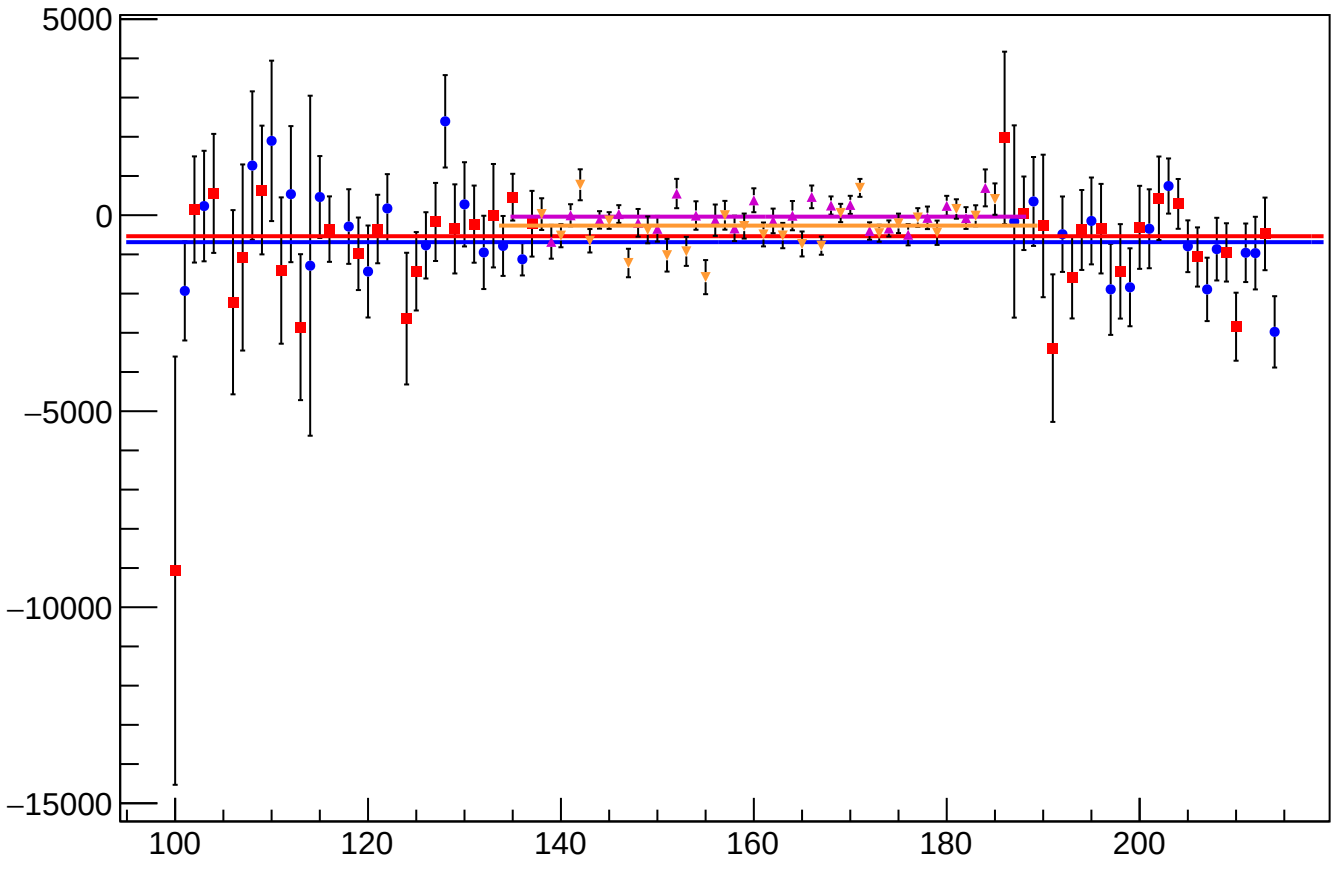
Right Out: 83.139+/-0.015 χ^2/NDF: 5027207.2/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.368+/-0.007 χ^2/NDF: 8155264.2/54

All: 54.884+/-0.005 χ^2/NDF: 18102278.8/111

- sign 55.442+/-0.007 χ^2/NDF: 9934573.7/56



Right In: -687.889+/-169.111 χ^2/NDF: 32.9/29

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -536.285+/-180.260 χ^2/NDF: 28.2/33

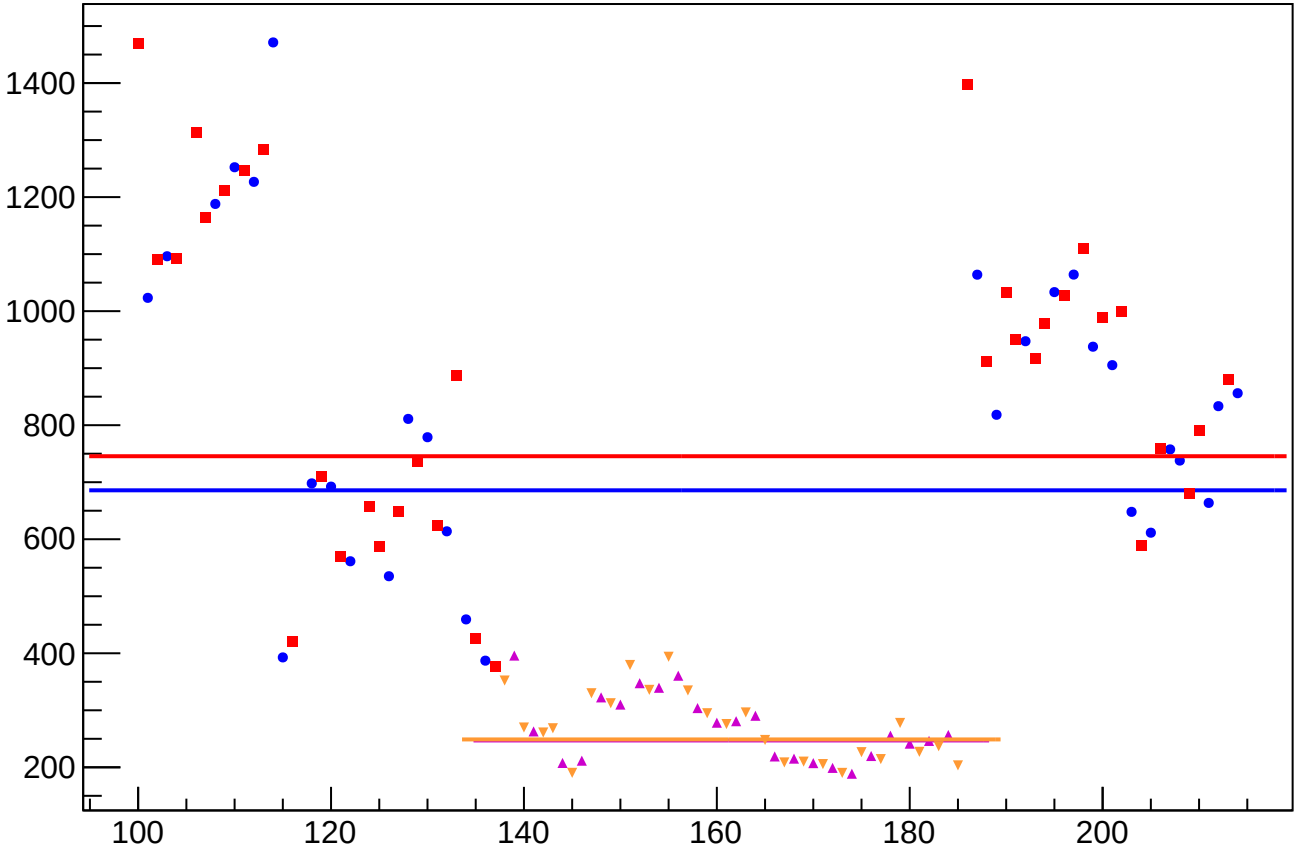
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -310.163+/-54.889 χ^2/NDF: 108.3/54

All: -200.758+/-39.271 χ^2/NDF: 178.1/111

- sign -86.026+/-56.210 χ^2/NDF: 61.7/56

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 685.788+/-0.120 χ^2/NDF: 3436252.5/29

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 745.587+/-0.127 χ^2/NDF: 3576397.7/33

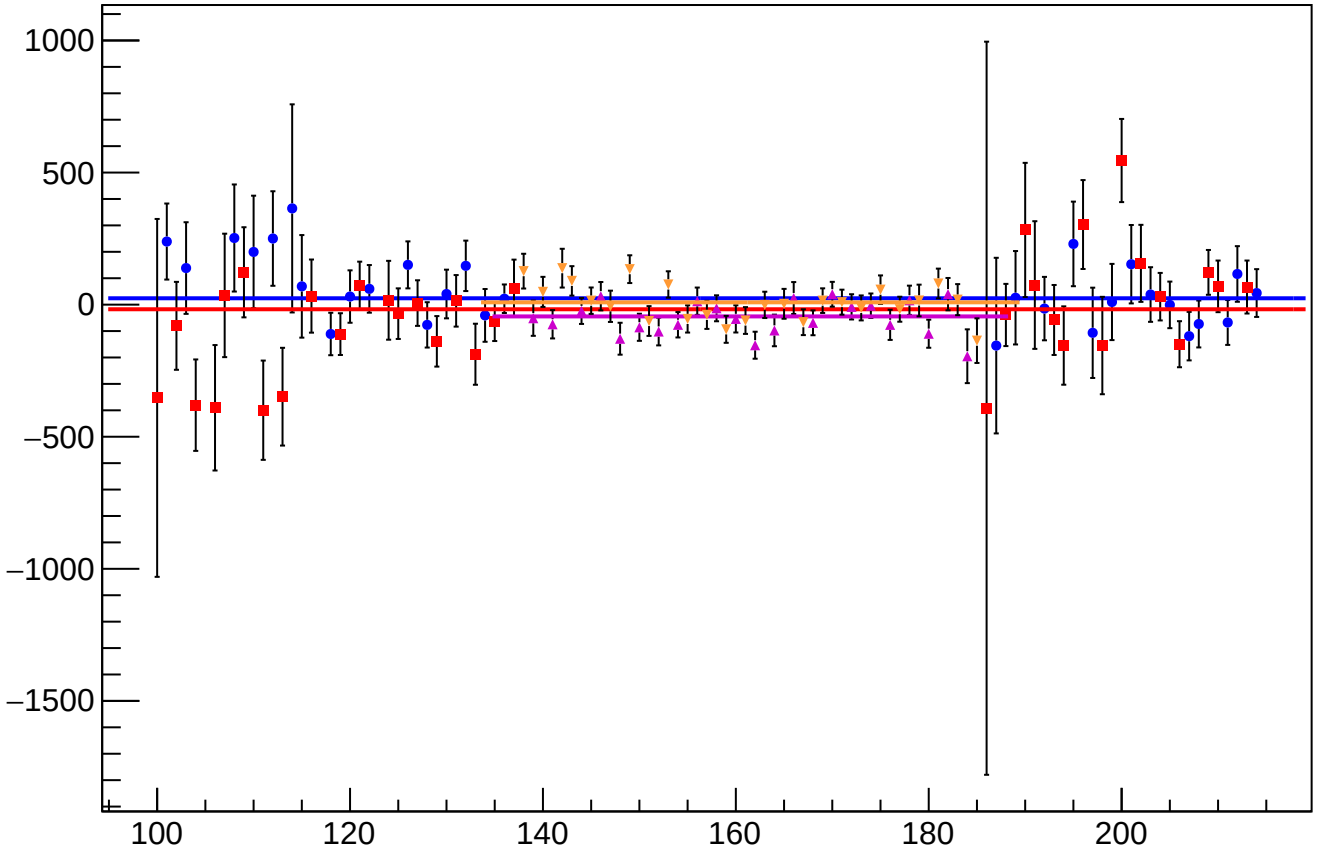
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 294.918+/-0.039 χ^2/NDF: 17042562.7/54

All: 295.240+/-0.028 χ^2/NDF: 35910487.4/11

- sign 295.579+/-0.040 χ^2/NDF: 18867783.2/56

cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.126+/-19.609 χ^2/NDF: 24.6/29

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -17.459+/-20.669 χ^2/NDF: 50.6/33

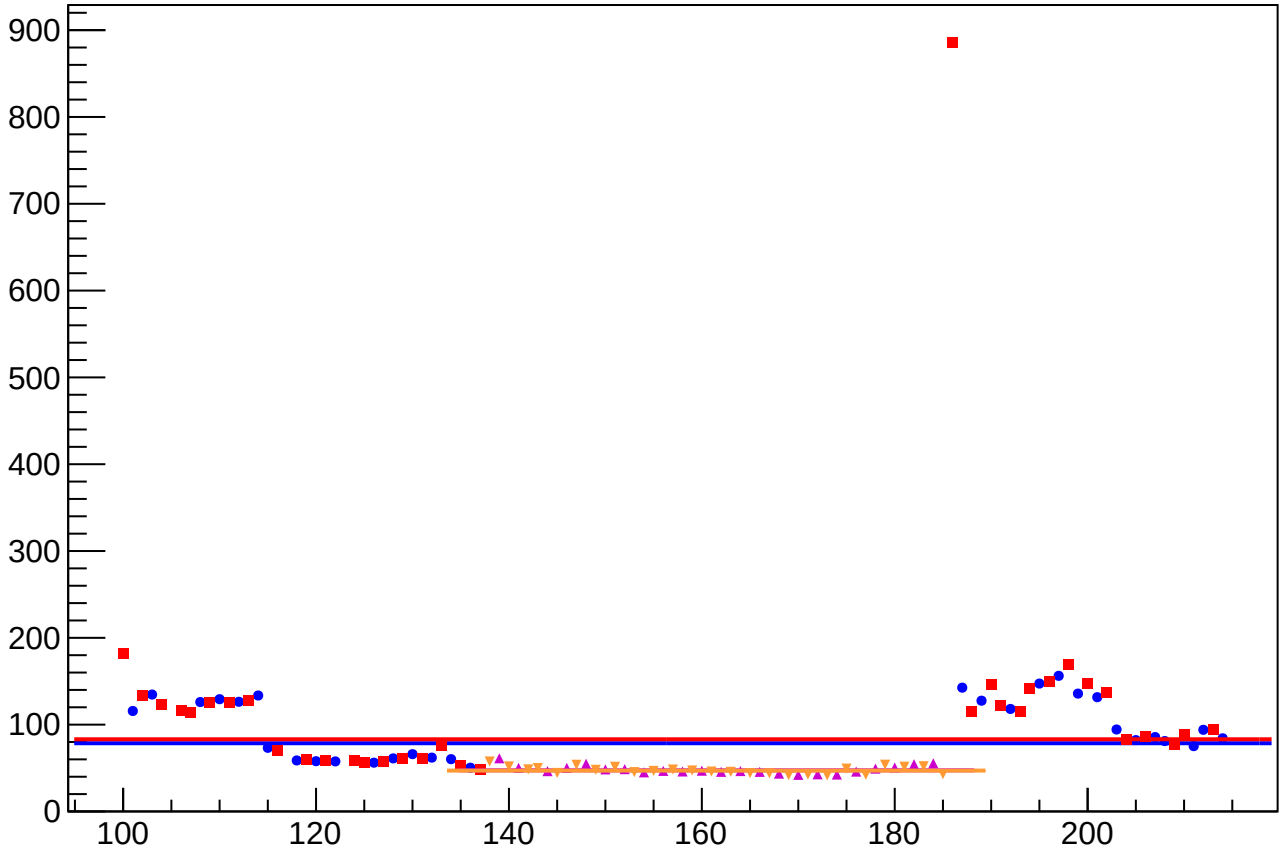
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.319+/-9.440 χ^2/NDF: 59.7/54

All: -12.077+/-6.803 χ^2/NDF: 152.6/111

- sign -38.437+/-9.812 χ^2/NDF: 79.0/56

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.584+/-0.014 χ^2/NDF: 3897852.5/29

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

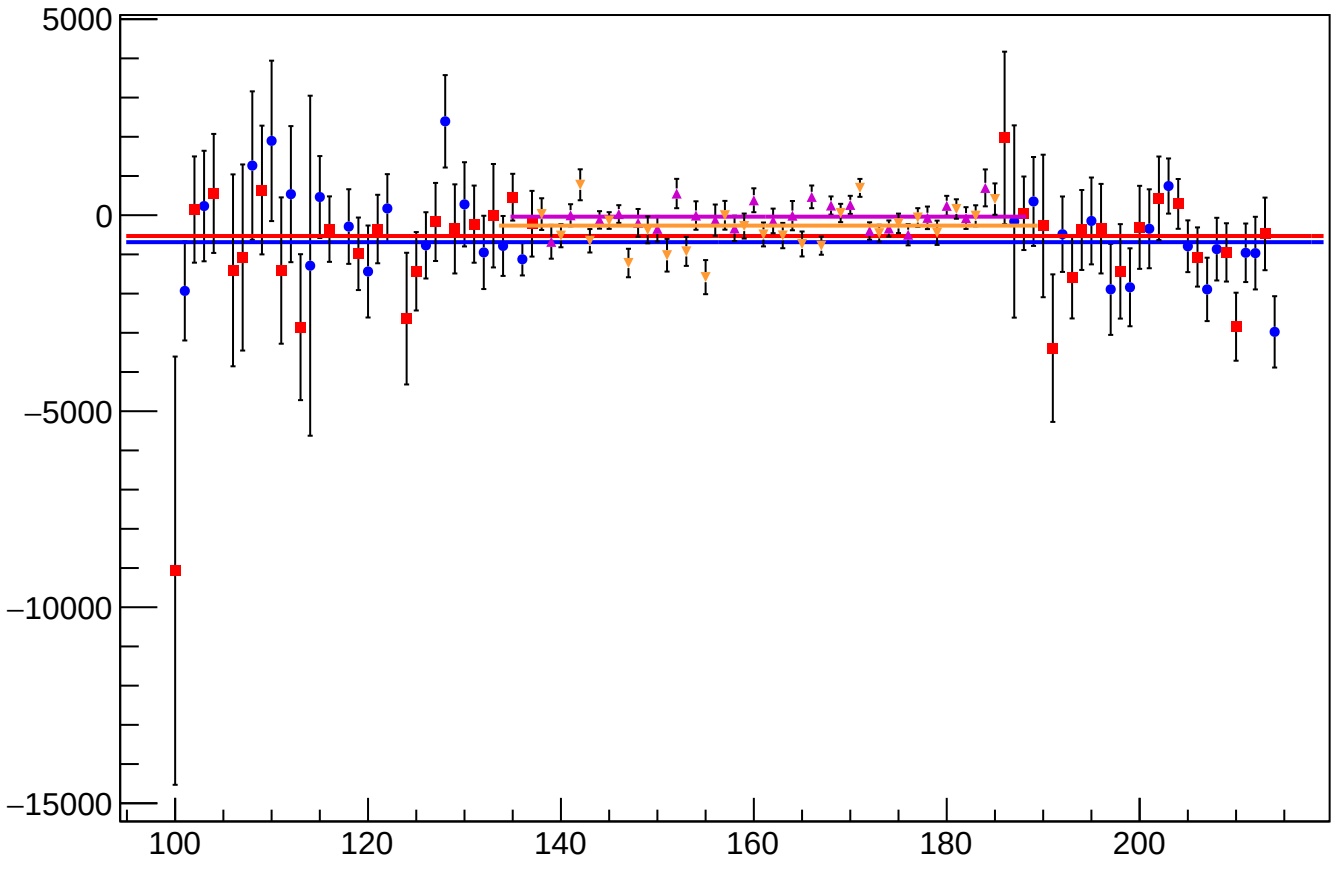
Right Out: 83.131+/-0.015 χ^2/NDF: 5024986.5/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.368+/-0.007 χ^2/NDF: 8155266.3/54

All: 54.883+/-0.005 χ^2/NDF: 18097810.8/111

- sign 55.440+/-0.007 χ^2/NDF: 9930150.4/56



Right In: -687.882+/-169.111 χ^2/NDF: 32.9/29

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -531.151+/-180.304 χ^2/NDF: 27.8/33

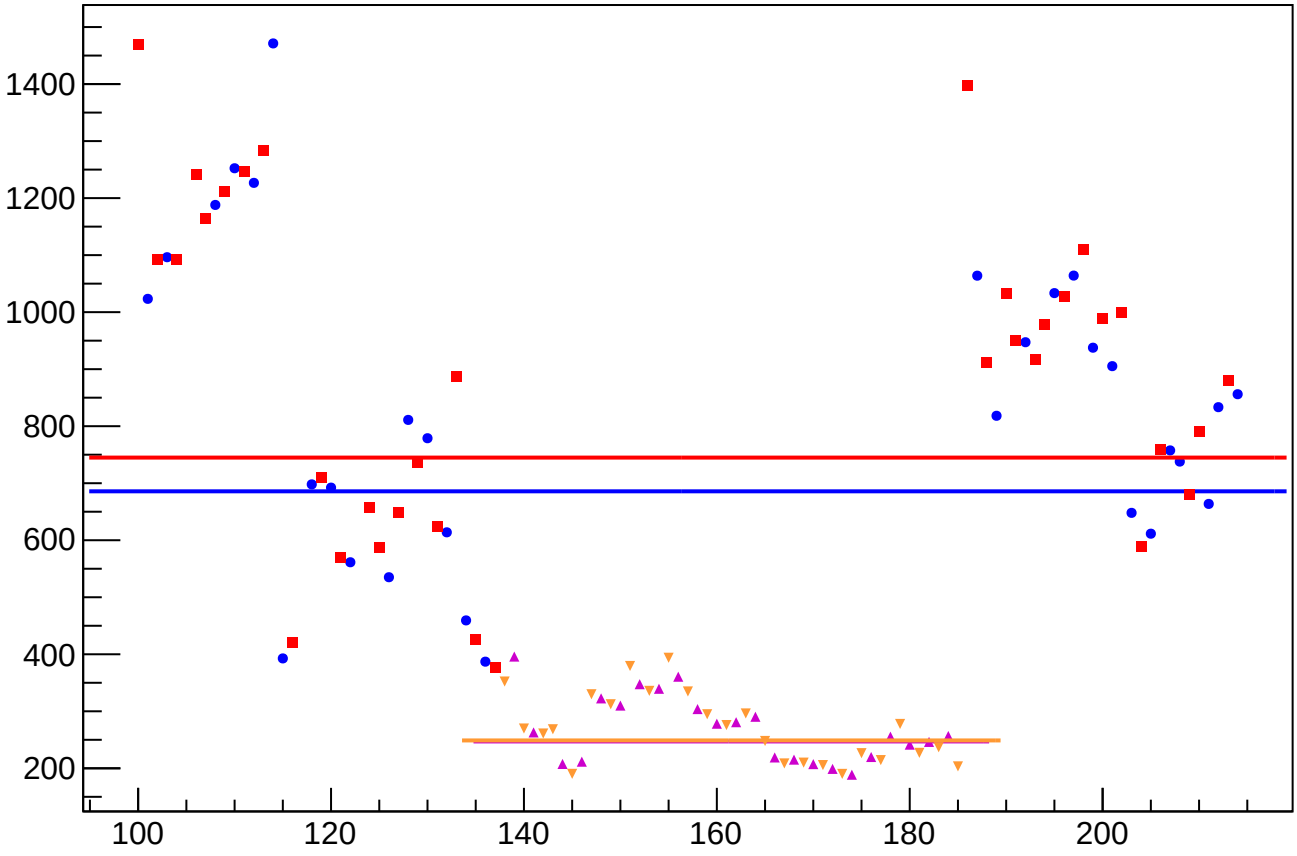
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -310.159+/-54.889 χ^2/NDF: 108.3/54

All: -200.503+/-39.272 χ^2/NDF: 177.6/111

- sign -85.503+/-56.211 χ^2/NDF: 61.2/56

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 685.788+/-0.120 χ^2/NDF: 3436292.8/29

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 744.940+/-0.127 χ^2/NDF: 3542065.0/33

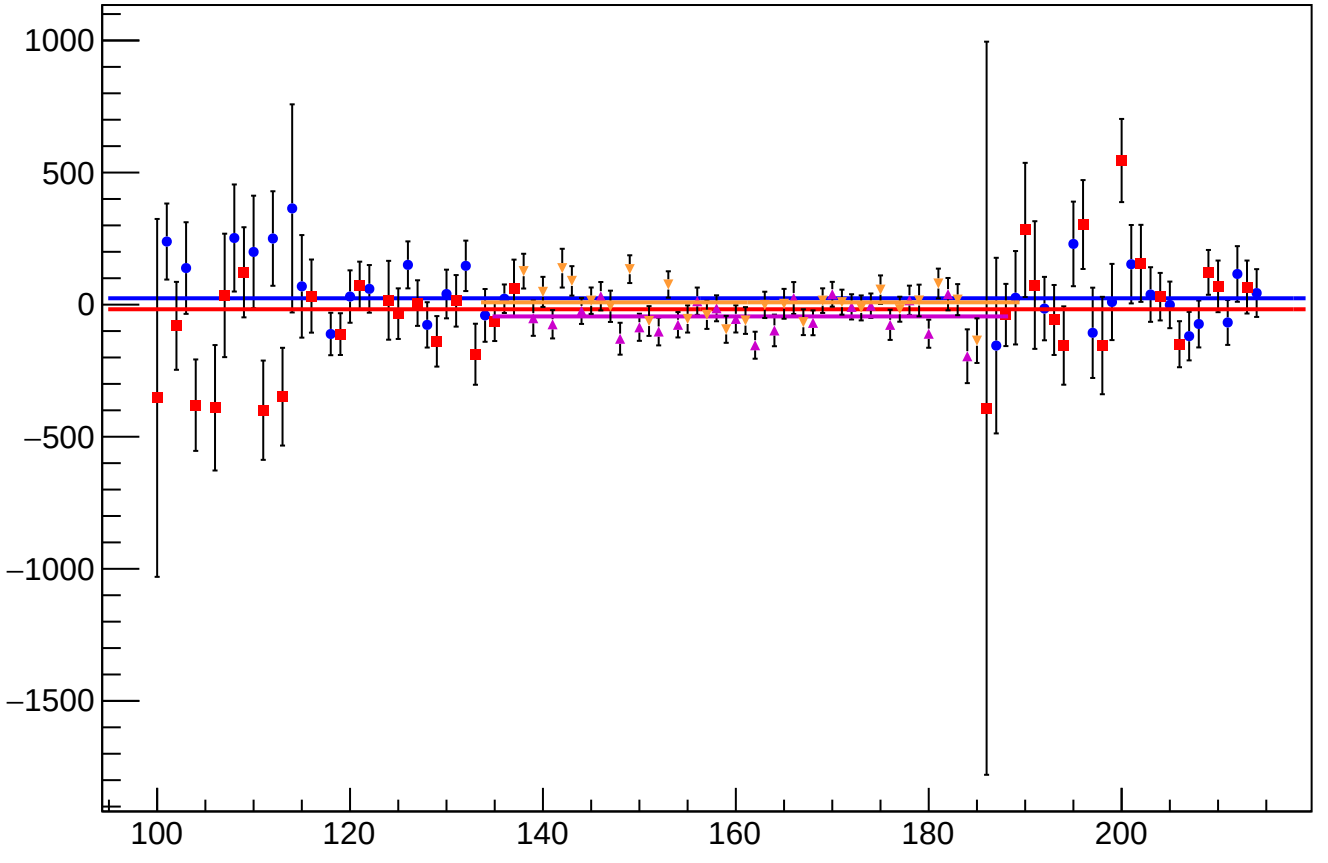
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 294.918+/-0.039 χ^2/NDF: 17042607.3/54

All: 295.199+/-0.028 χ^2/NDF: 35834214.1/11

- sign 295.494+/-0.040 χ^2/NDF: 18791498.9/56

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 24.126+/-19.609 χ^2/NDF: 24.6/29

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -17.459+/-20.669 χ^2/NDF: 50.6/33

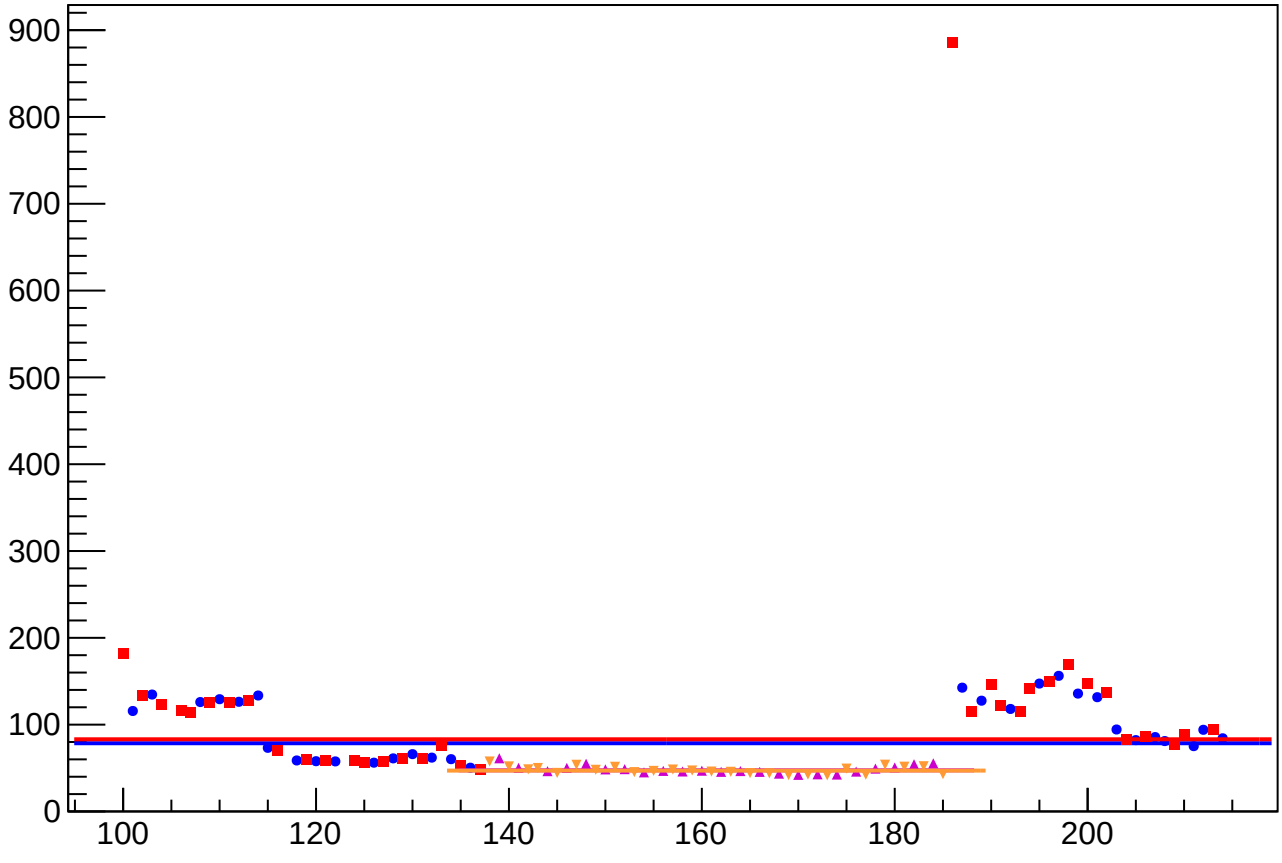
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 12.319+/-9.440 χ^2/NDF: 59.7/54

All: -12.077+/-6.803 χ^2/NDF: 152.6/111

- sign -38.437+/-9.812 χ^2/NDF: 79.0/56

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.584+/-0.014 χ^2/NDF: 3897852.5/29

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

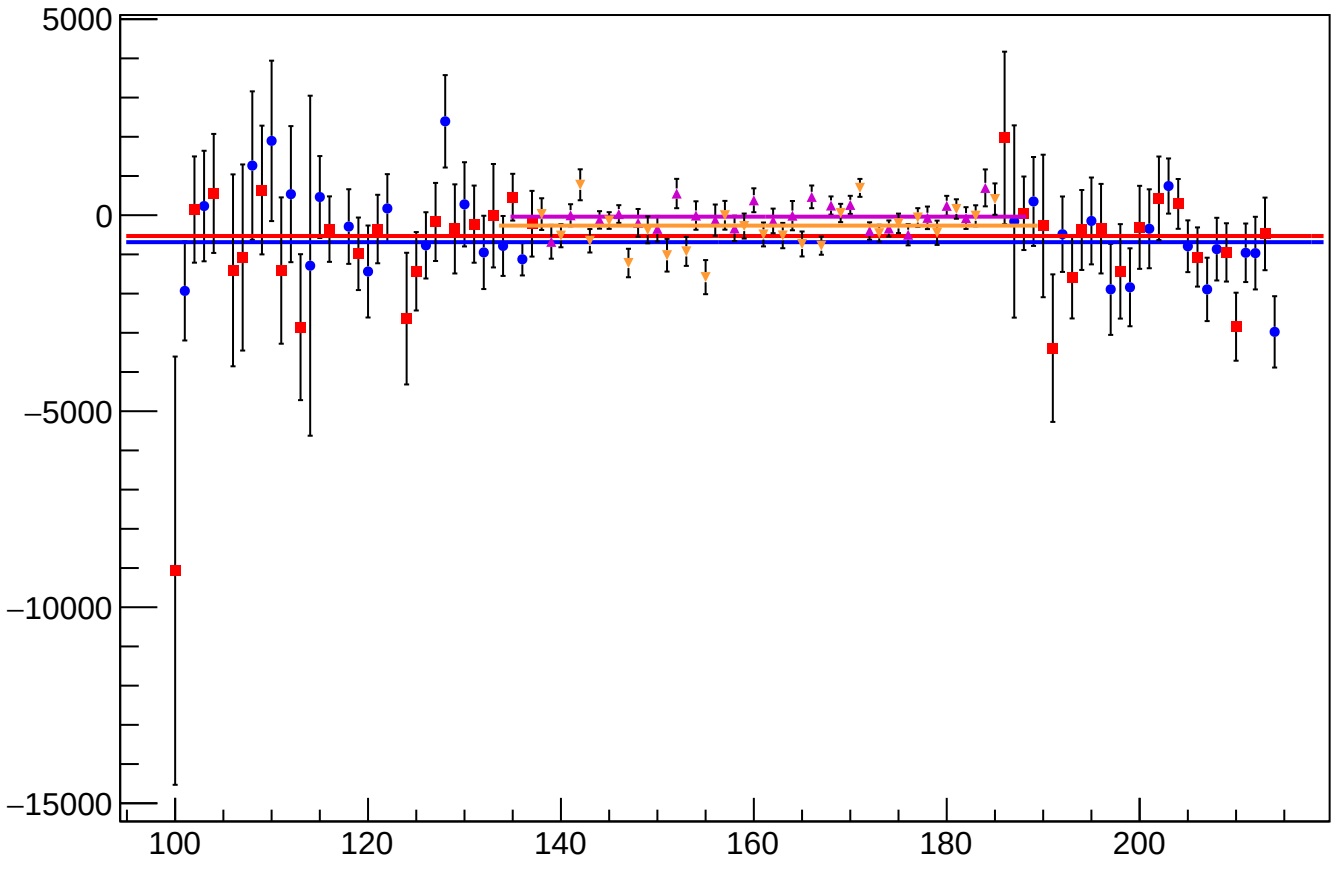
Right Out: 83.131+/-0.015 χ^2/NDF: 5024986.5/33

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 54.368+/-0.007 χ^2/NDF: 8155266.3/54

All: 54.883+/-0.005 χ^2/NDF: 18097810.8/111

- sign 55.440+/-0.007 χ^2/NDF: 9930150.4/56



Right In: -687.882+/-169.111 χ^2/NDF: 32.9/29

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

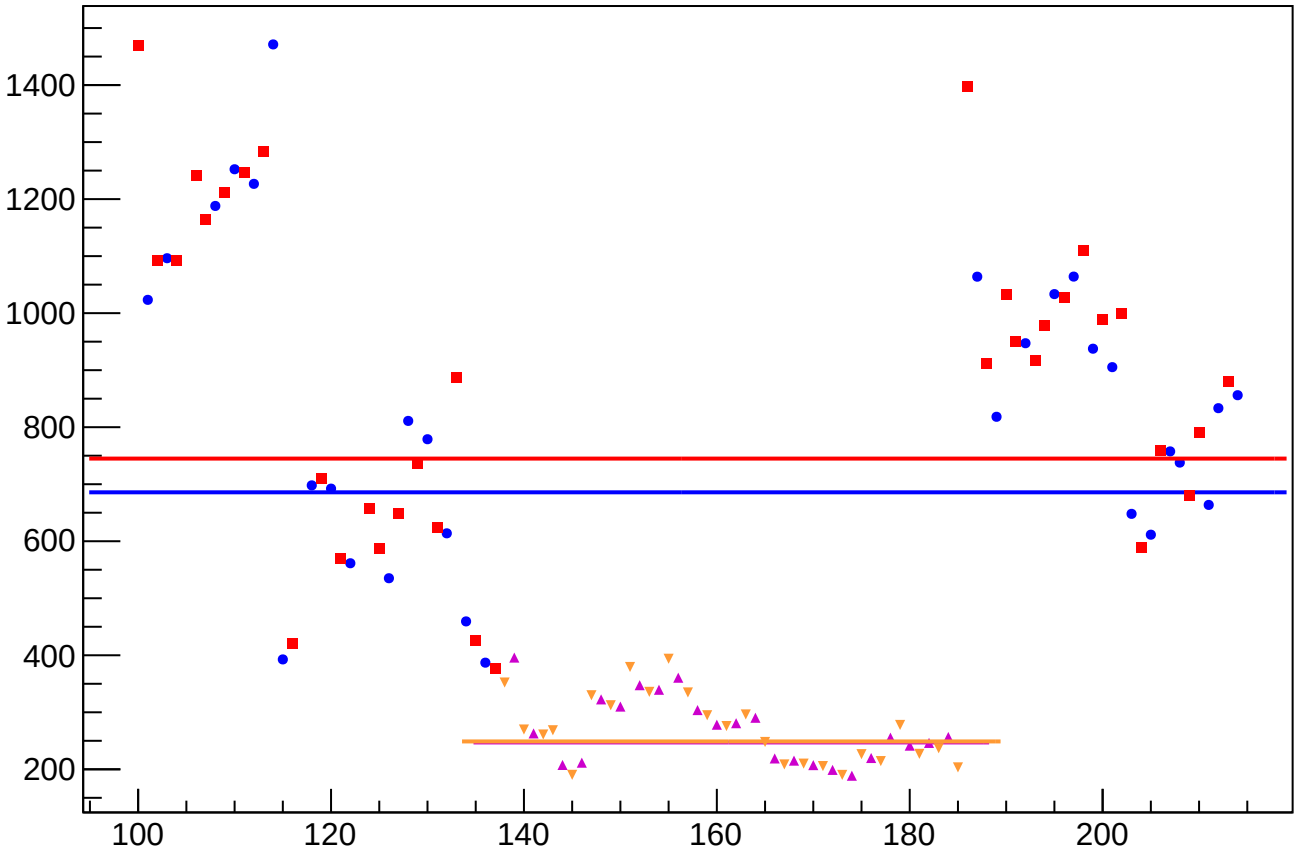
Right Out: -531.151+/-180.304 χ^2/NDF: 27.8/33

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

\+ sign -310.159+/-54.889 χ^2/NDF: 108.3/54

All: -200.503+/-39.272 χ^2/NDF: 177.6/111

\- sign -85.503+/-56.211 χ^2/NDF: 61.2/56



Right In: 685.788+/-0.120 χ^2/NDF: 3436292.8/29

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 744.940+/-0.127 χ^2/NDF: 3542065.0/33

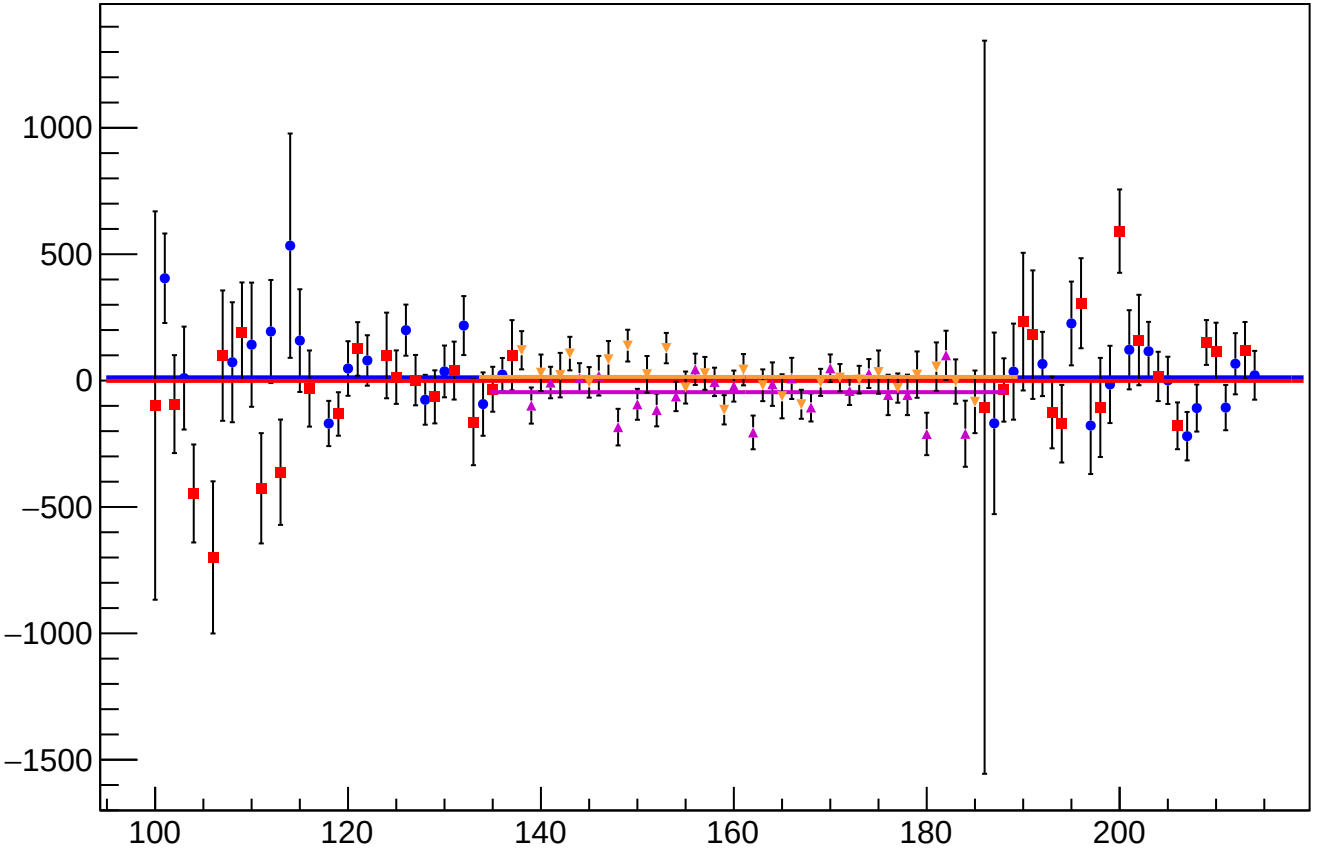
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 294.918+/-0.039 χ^2/NDF: 17042607.3/54

All: 295.199+/-0.028 χ^2/NDF: 35834214.1/11

- sign 295.494+/-0.040 χ^2/NDF: 18791498.9/56

dit_asym_sam_1526_avg_mean vs Slug



Right In: 12.924+/-21.954 χ^2/NDF: 34.7/29

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -1.127+/-23.315 χ^2/NDF: 54.2/33

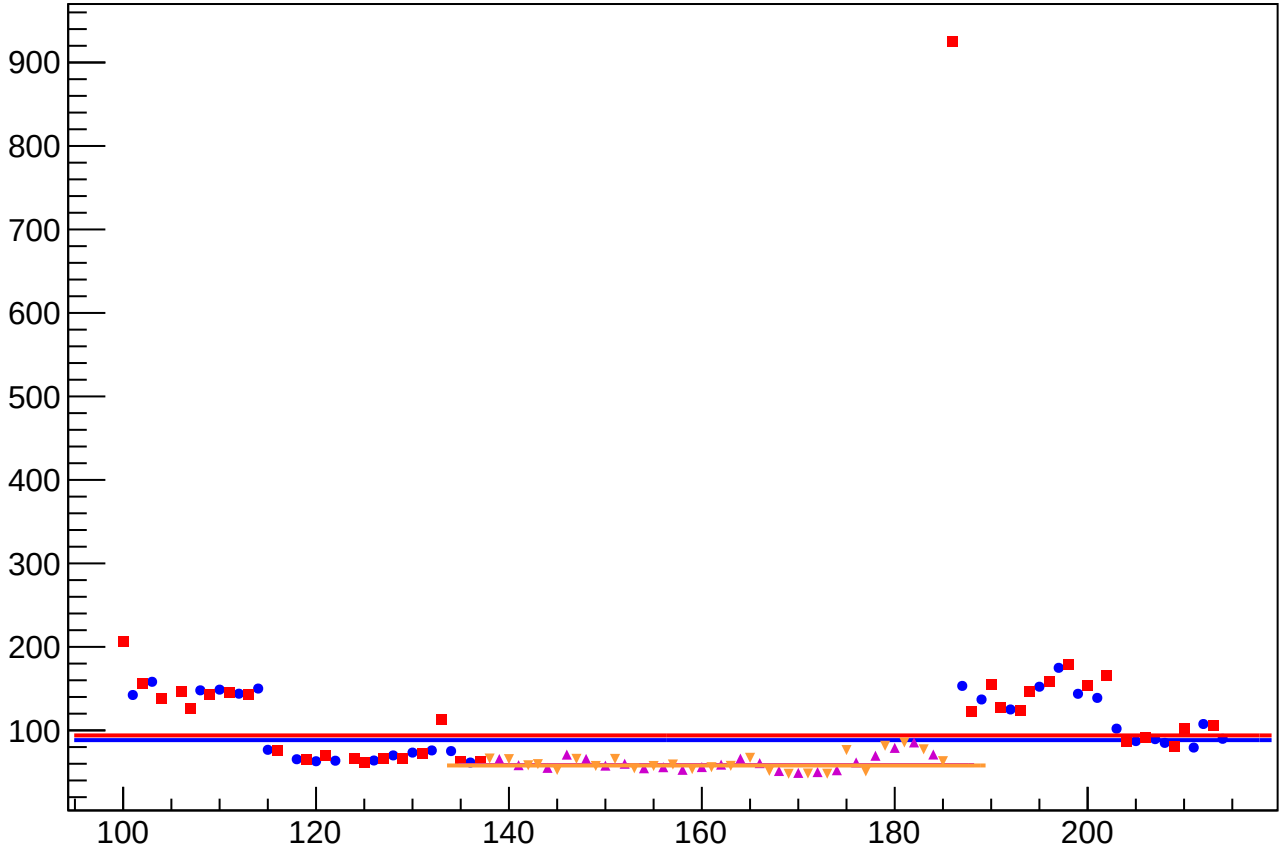
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 14.068+/-11.471 χ^2/NDF: 59.3/54

All: -8.990+/-8.278 χ^2/NDF: 155.4/111

- sign -34.051+/-11.959 χ^2/NDF: 87.7/56

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.304+/-0.016 χ^2/NDF: 3473494.6/29

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

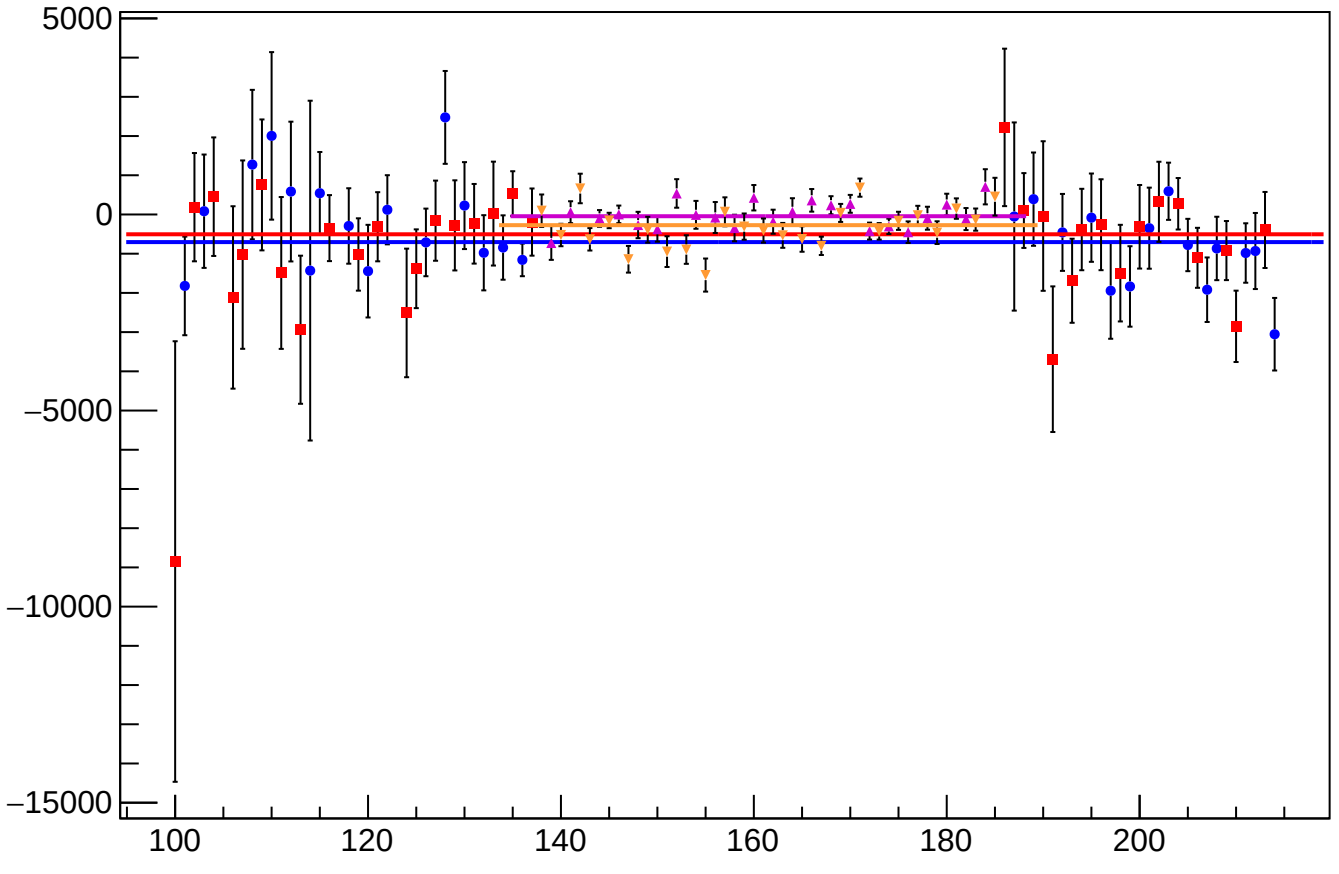
Right Out: 93.949+/-0.016 χ^2/NDF: 4635532.4/33

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 66.249+/-0.008 χ^2/NDF: 7147202.5/54

All: 66.998+/-0.006 χ^2/NDF: 15861444.7/111

- sign 67.811+/-0.008 χ^2/NDF: 8696470.6/56



Right In: -704.269+/-172.678 χ^2/NDF: 32.1/29

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -505.063+/-181.969 χ^2/NDF: 29.2/33

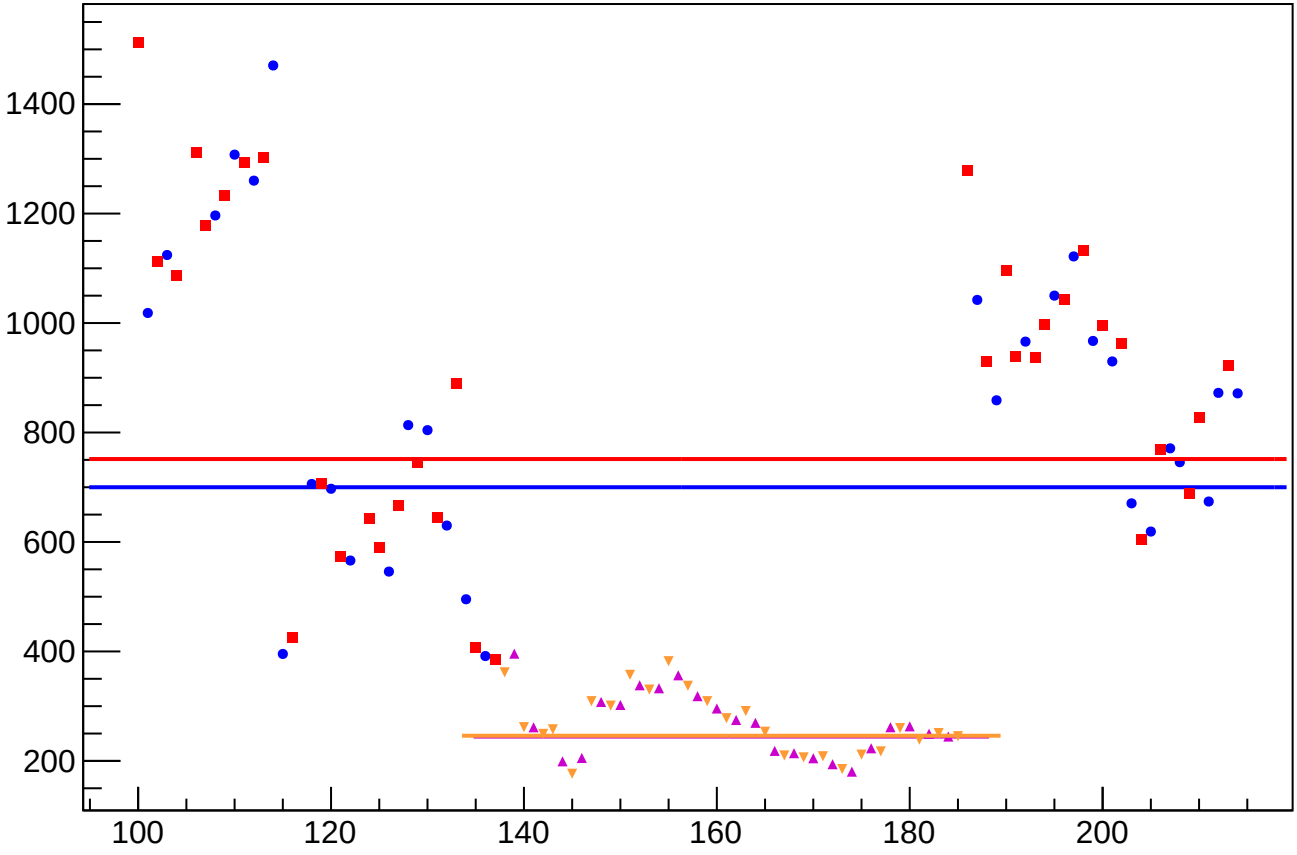
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -315.304+/-54.362 χ^2/NDF: 103.5/54

All: -204.524+/-38.935 χ^2/NDF: 173.5/111

- sign -87.842+/-55.791 χ^2/NDF: 61.5/56

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 699.990+/-0.122 χ^2/NDF: 3481657.6/29

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 751.532+/-0.129 χ^2/NDF: 3707330.3/33

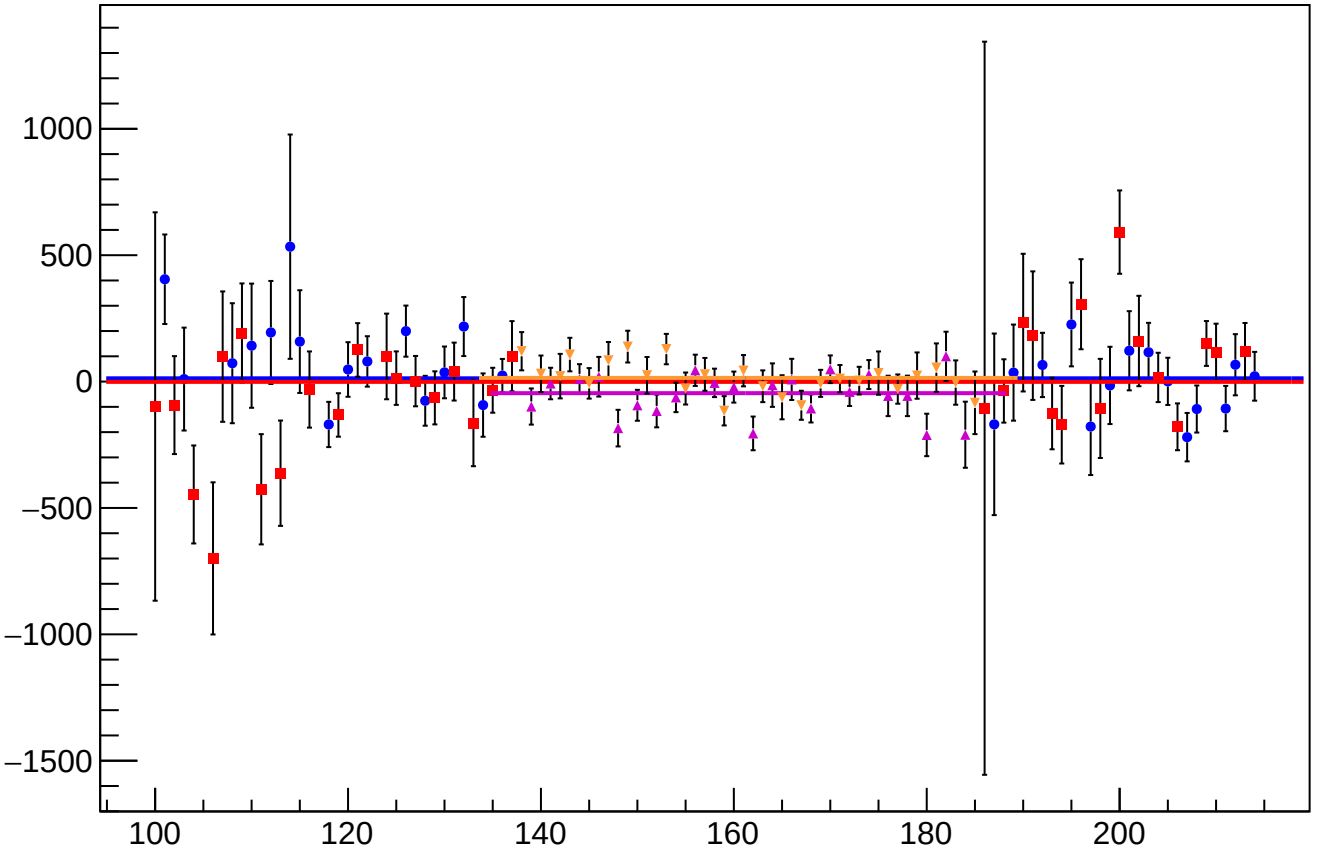
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 291.009+/-0.038 χ^2/NDF: 17615605.8/54

All: 291.549+/-0.028 χ^2/NDF: 36991152.2/11

- sign 292.117+/-0.039 χ^2/NDF: 19375142.1/56

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 12.925+/-21.953 χ^2/NDF: 34.7/29

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -1.126+/-23.315 χ^2/NDF: 54.2/33

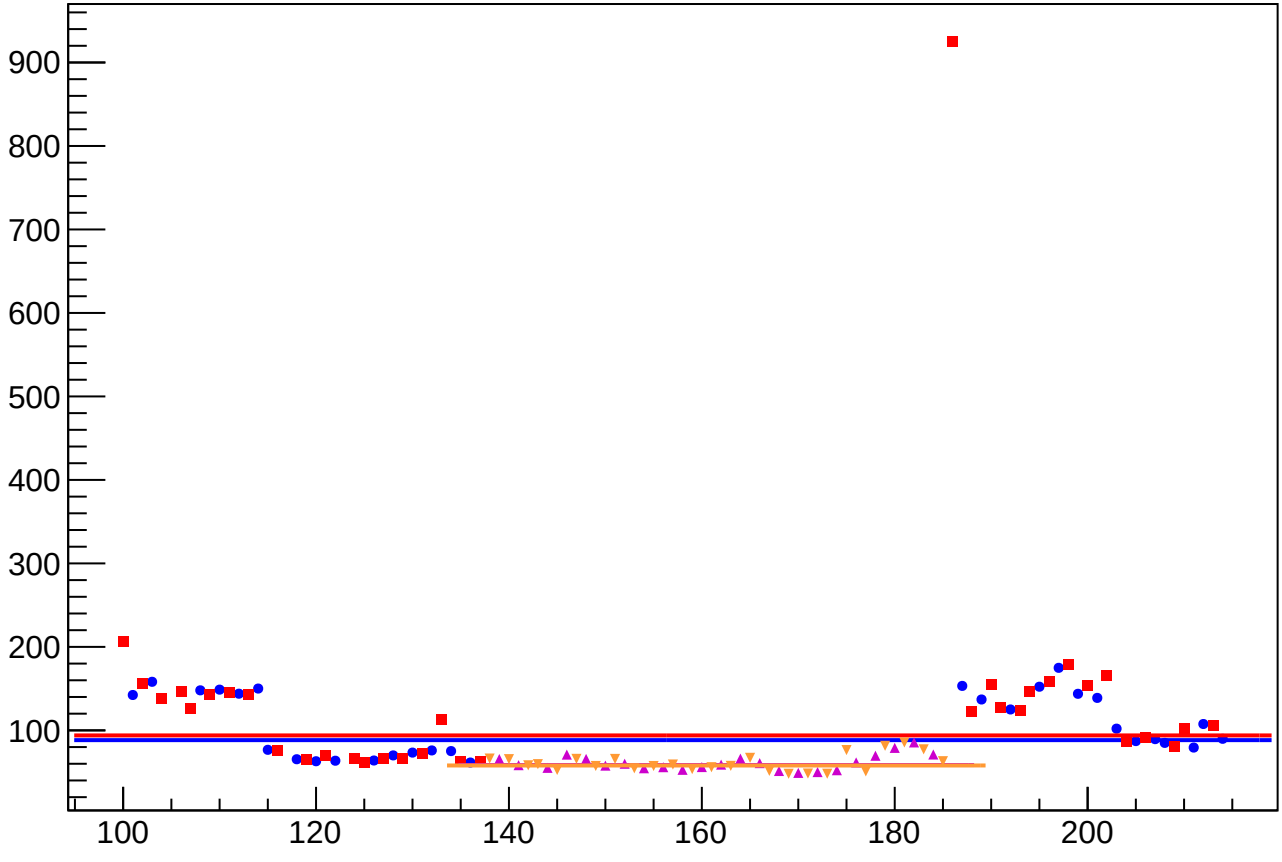
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 14.068+/-11.471 χ^2/NDF: 59.3/54

All: -8.990+/-8.278 χ^2/NDF: 155.4/111

- sign -34.050+/-11.959 χ^2/NDF: 87.7/56

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.304+/-0.016 χ^2/NDF: 3473499.0/29

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

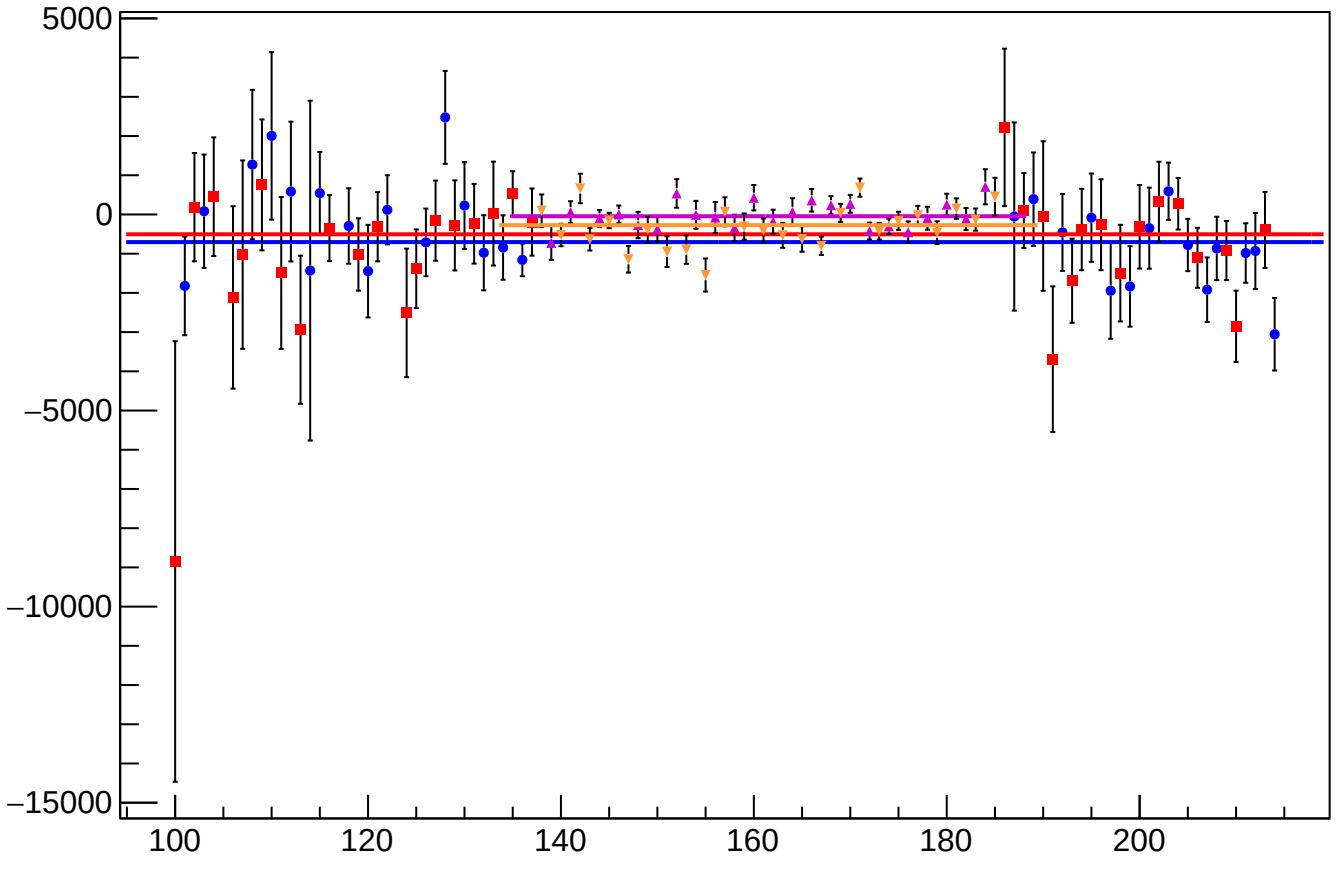
Right Out: 93.948+/-0.016 χ^2/NDF: 4635542.7/33

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

\+ sign 66.249+/-0.008 χ^2/NDF: 7147151.7/54

All: 66.998+/-0.006 χ^2/NDF: 15861326.9/111

\- sign 67.811+/-0.008 χ^2/NDF: 8696401.7/56



Right In: -704.268+/-172.678 χ^2/NDF: 32.1/29

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

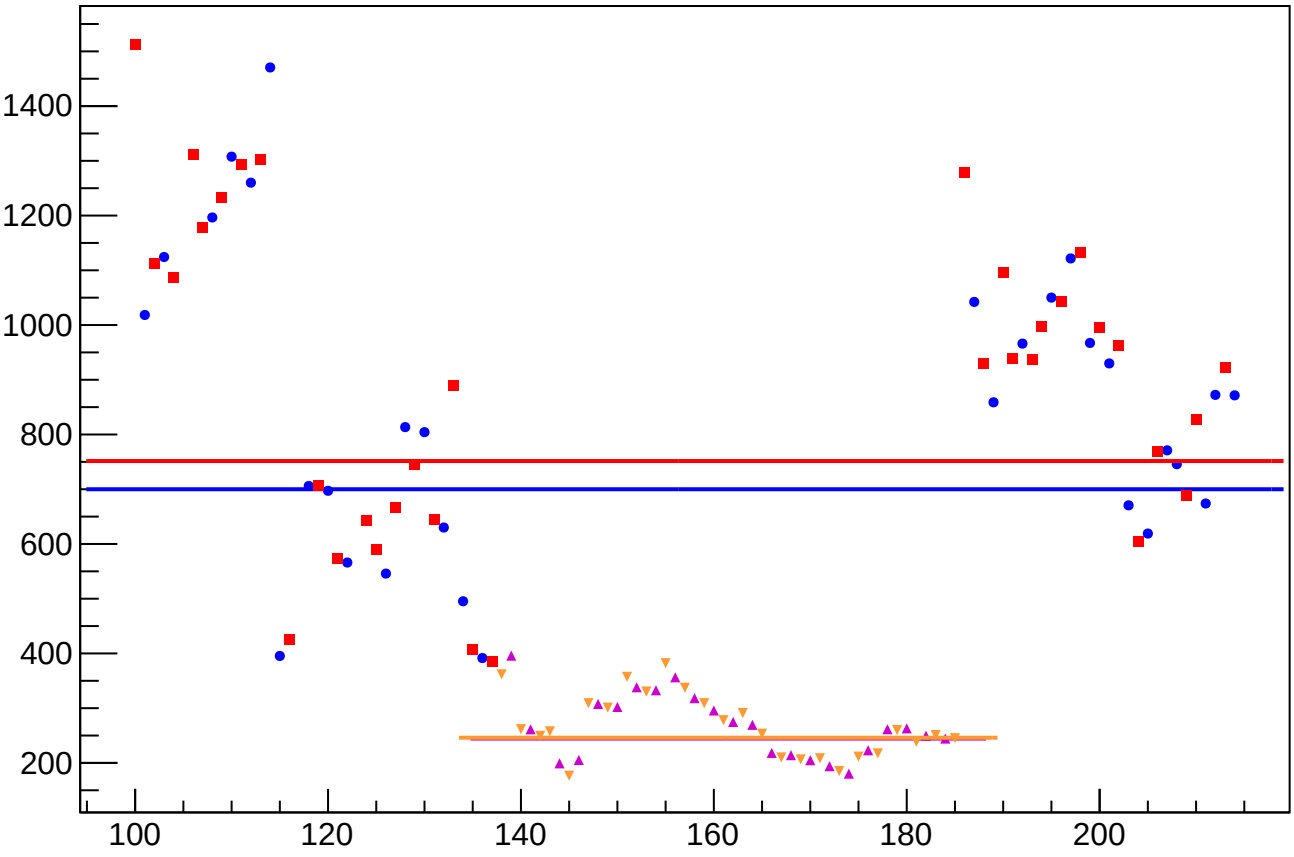
Right Out: -505.063+/-181.969 χ^2/NDF: 29.2/33

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -315.303+/-54.362 χ^2/NDF: 103.5/54

All: -204.524+/-38.935 χ^2/NDF: 173.5/111

- sign -87.841+/-55.791 χ^2/NDF: 61.5/56



Right In: 699.990+/-0.122 χ^2/NDF: 3481639.9/29

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 751.531+/-0.129 χ^2/NDF: 3707309.9/33

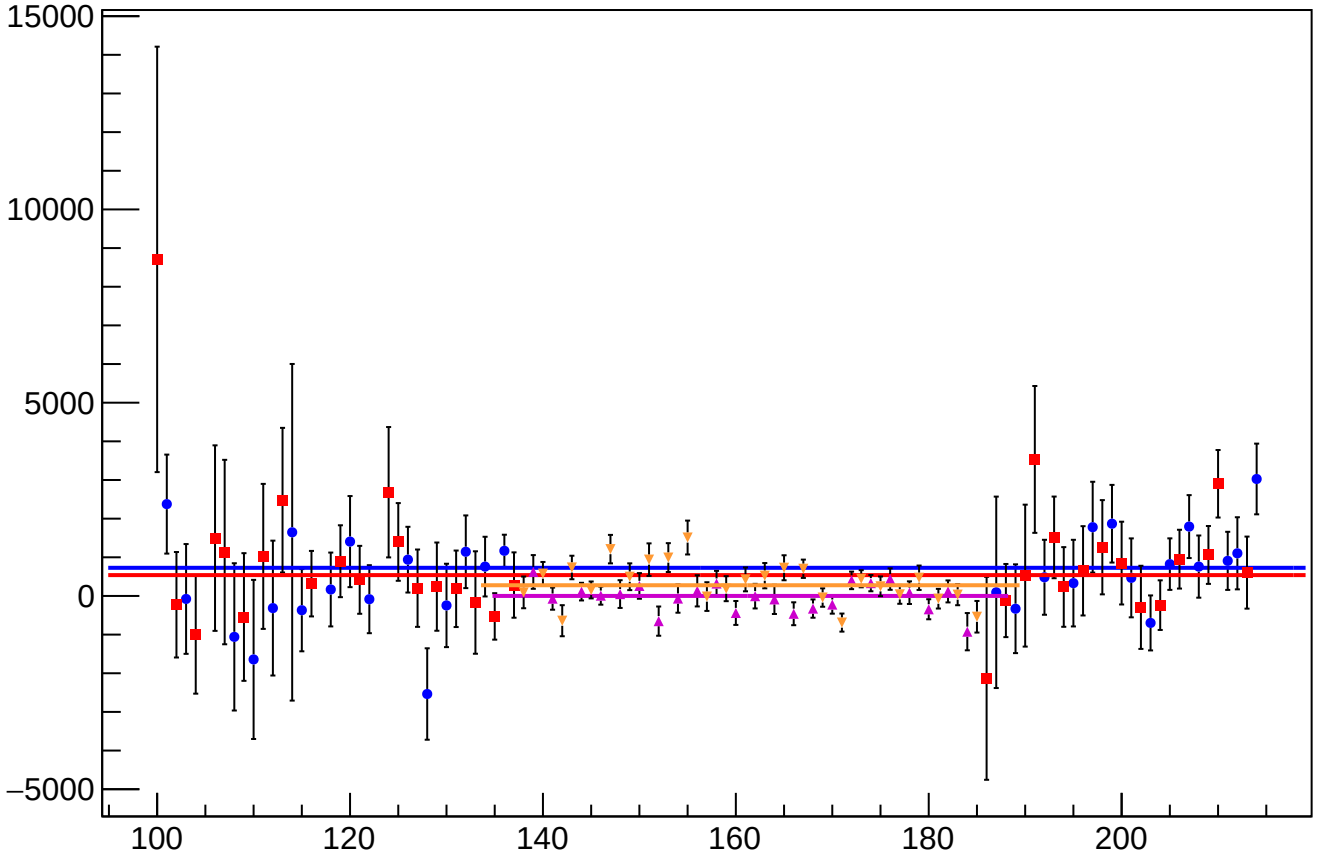
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 291.009+/-0.038 χ^2/NDF: 17615613.3/54

All: 291.548+/-0.028 χ^2/NDF: 36991149.9/11

- sign 292.117+/-0.039 χ^2/NDF: 19375132.0/56

asym_sam_1526_avg_mean vs Slug



Right In: 728.164+/-170.576 χ^2/NDF: 32.5/29

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 539.297+/-181.887 χ^2/NDF: 27.3/33

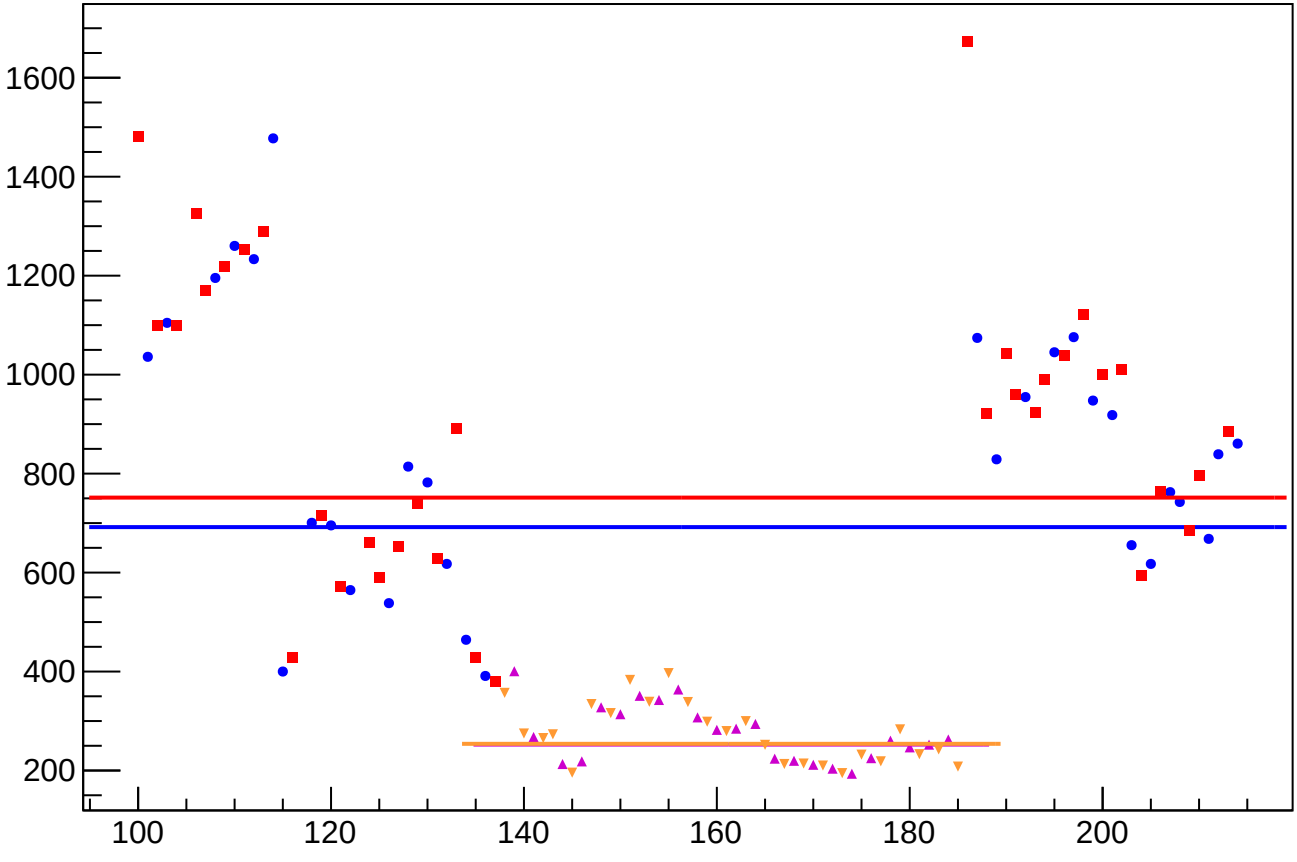
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 325.494+/-55.884 χ^2/NDF: 102.9/54

All: 193.104+/-40.002 χ^2/NDF: 177.7/111

- sign 53.994+/-57.285 χ^2/NDF: 63.3/56

asym_sam_1526_avg_rms vs Slug



Right In: 691.889+/-0.121 χ^2/NDF: 3421863.9/29

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

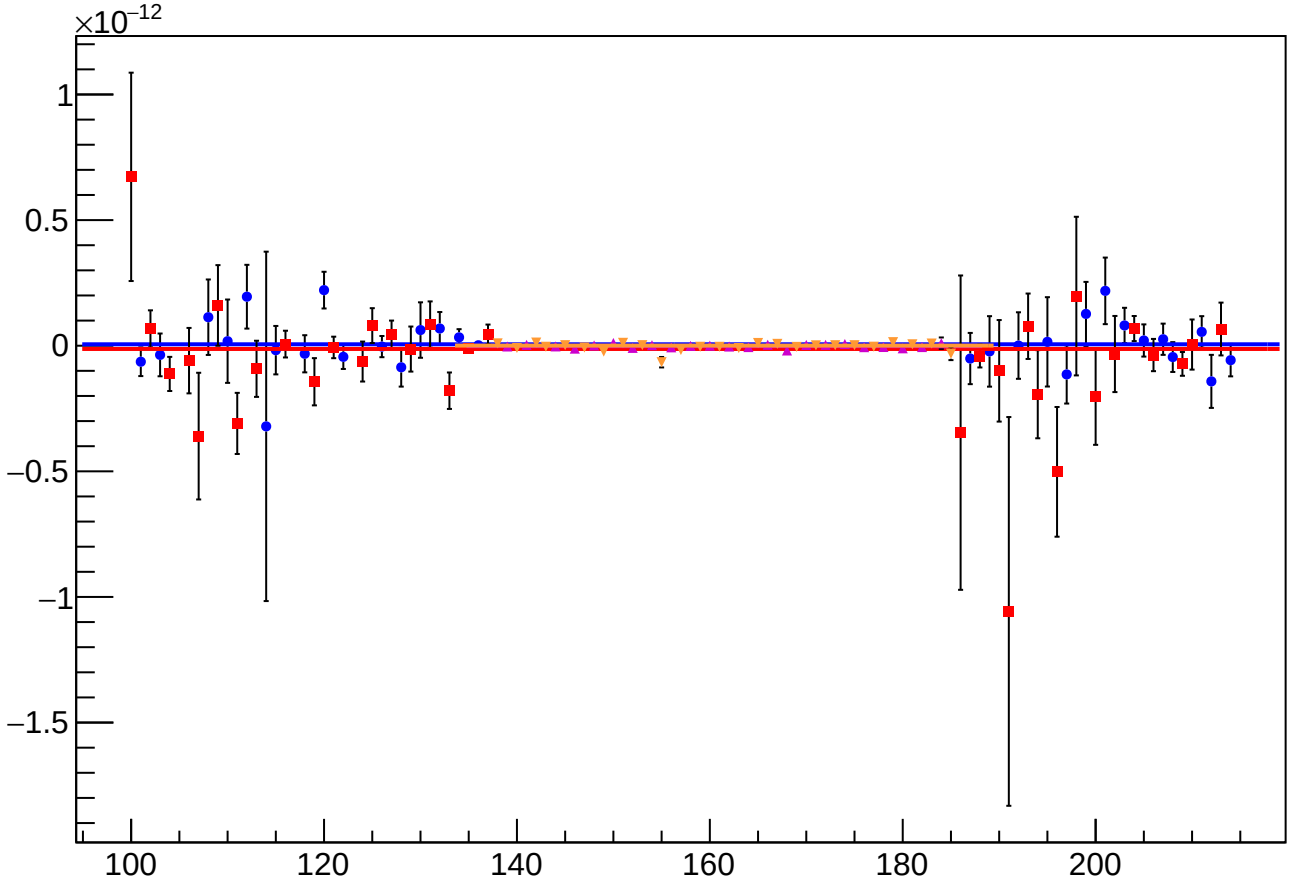
Right Out: 751.512+/-0.129 χ^2/NDF: 3643508.5/33

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 300.959+/-0.040 χ^2/NDF: 16780597.7/54

All: 301.417+/-0.028 χ^2/NDF: 35403196.5/11

- sign 301.898+/-0.041 χ^2/NDF: 18622323.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

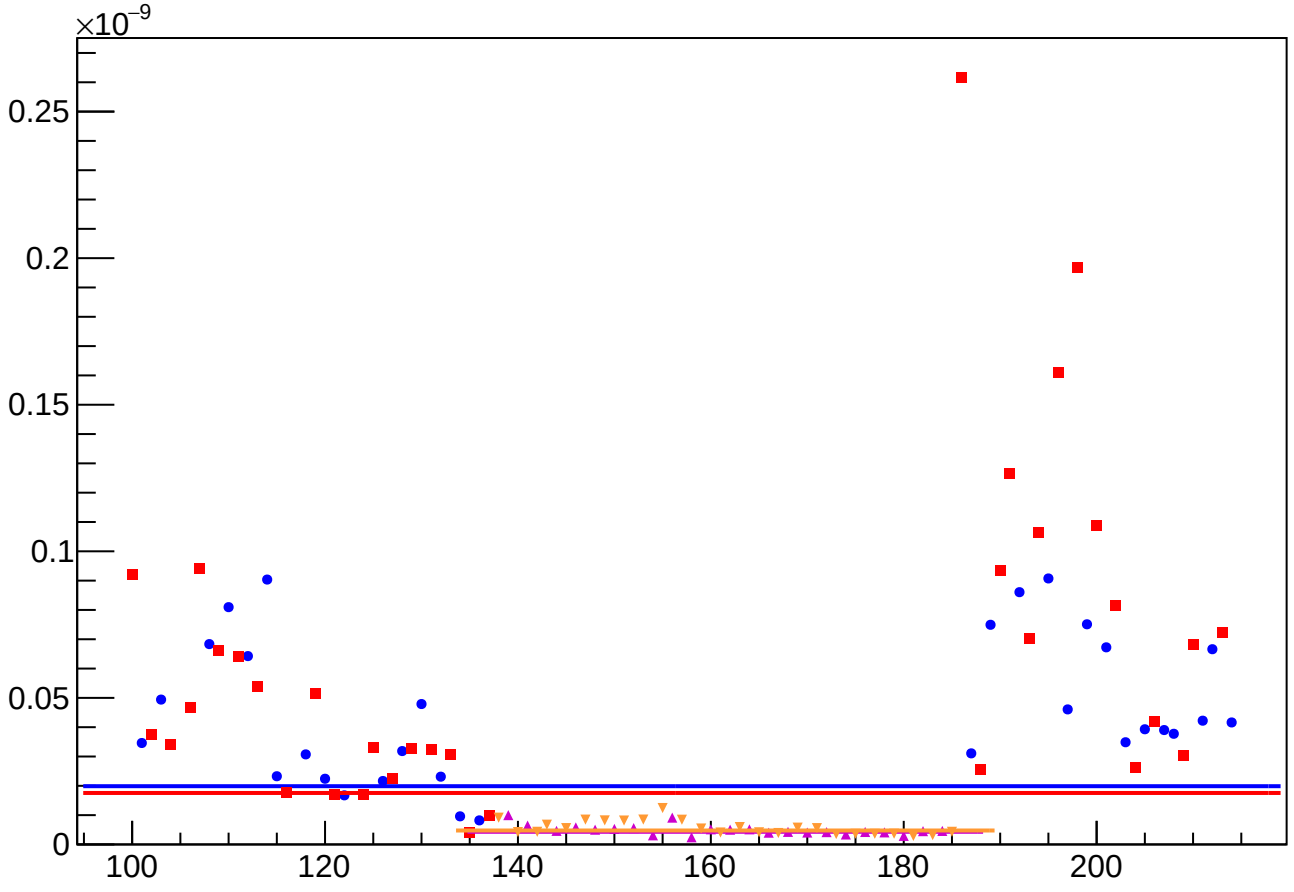
Right Out: -0.000+/-0.000 χ^2/NDF: 43.7/33

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.9/54

All: -0.000+/-0.000 χ^2/NDF: 116.1/111

- sign -0.000+/-0.000 χ^2/NDF: 59.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 6468778.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

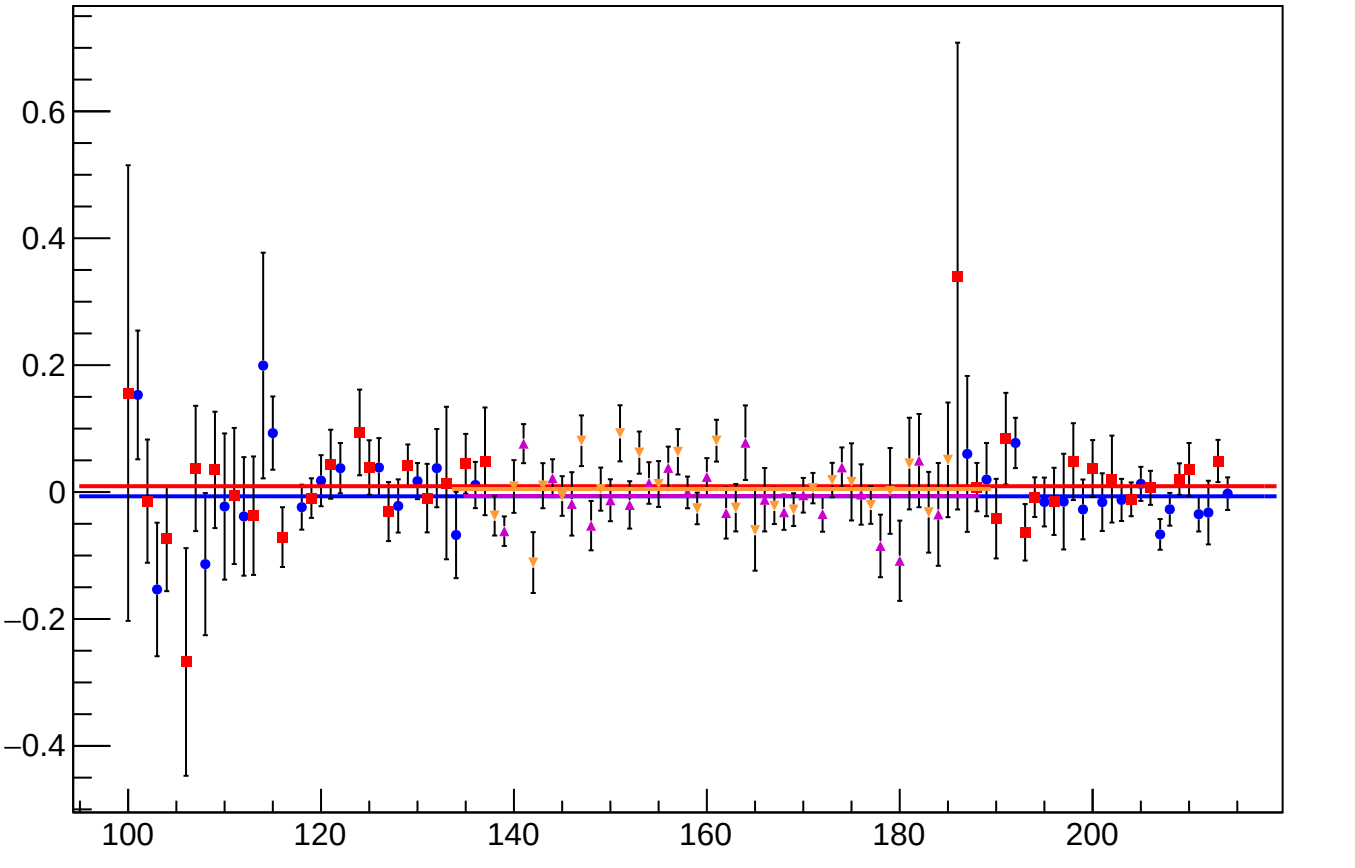
Right Out: 0.000+/-0.000 χ^2/NDF: 9121923.2/33

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12926308.8/54

All: 0.000+/-0.000 χ^2/NDF: 26827709.5/111

- sign 0.000+/-0.000 χ^2/NDF: 13816682.5/56



Right In: -0.007+/-0.007 χ^2/NDF: 29.0/29

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.009+/-0.008 χ^2/NDF: 21.6/33

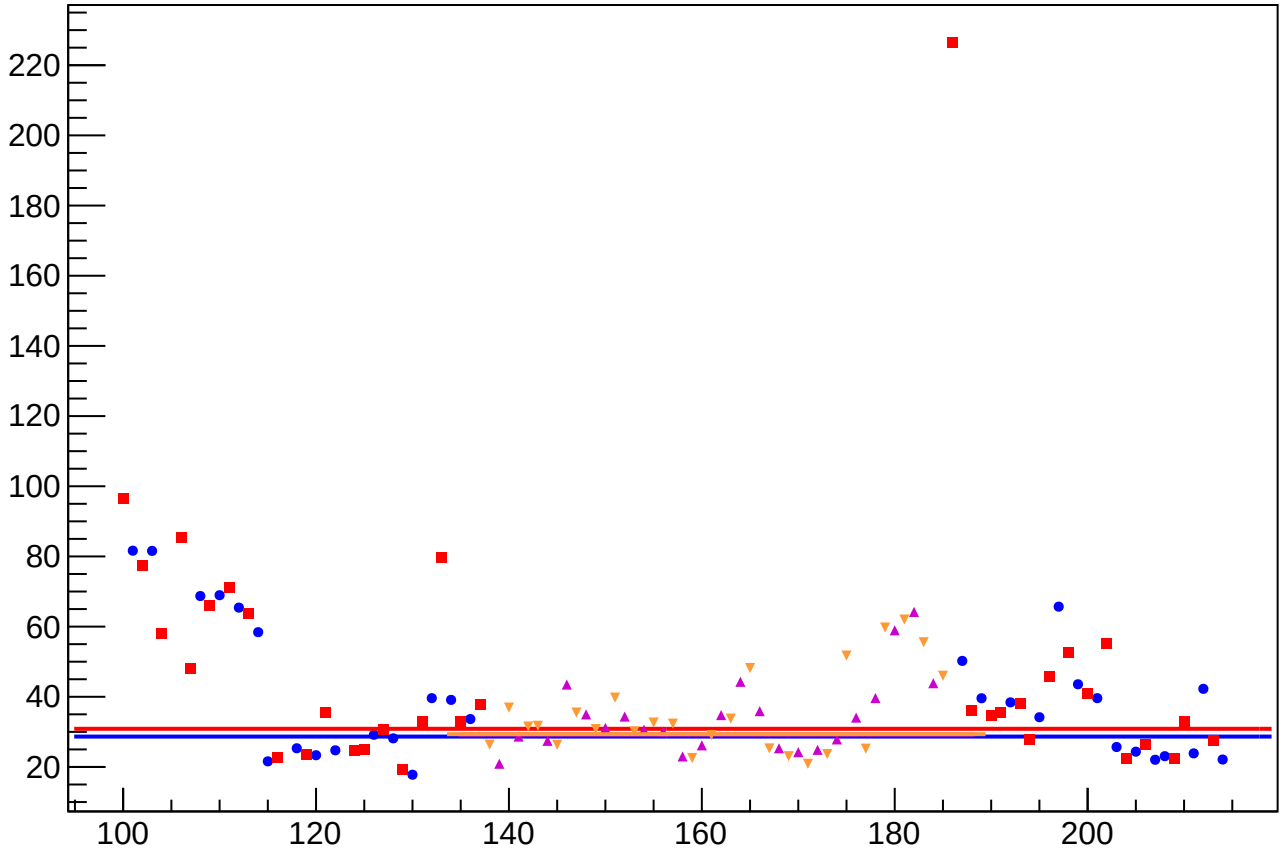
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.001+/-0.005 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 118.9/111

- sign 0.001+/-0.005 χ^2/NDF: 54.7/56

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 28.663+/-0.005 χ^2/NDF: 4204041.9/29

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

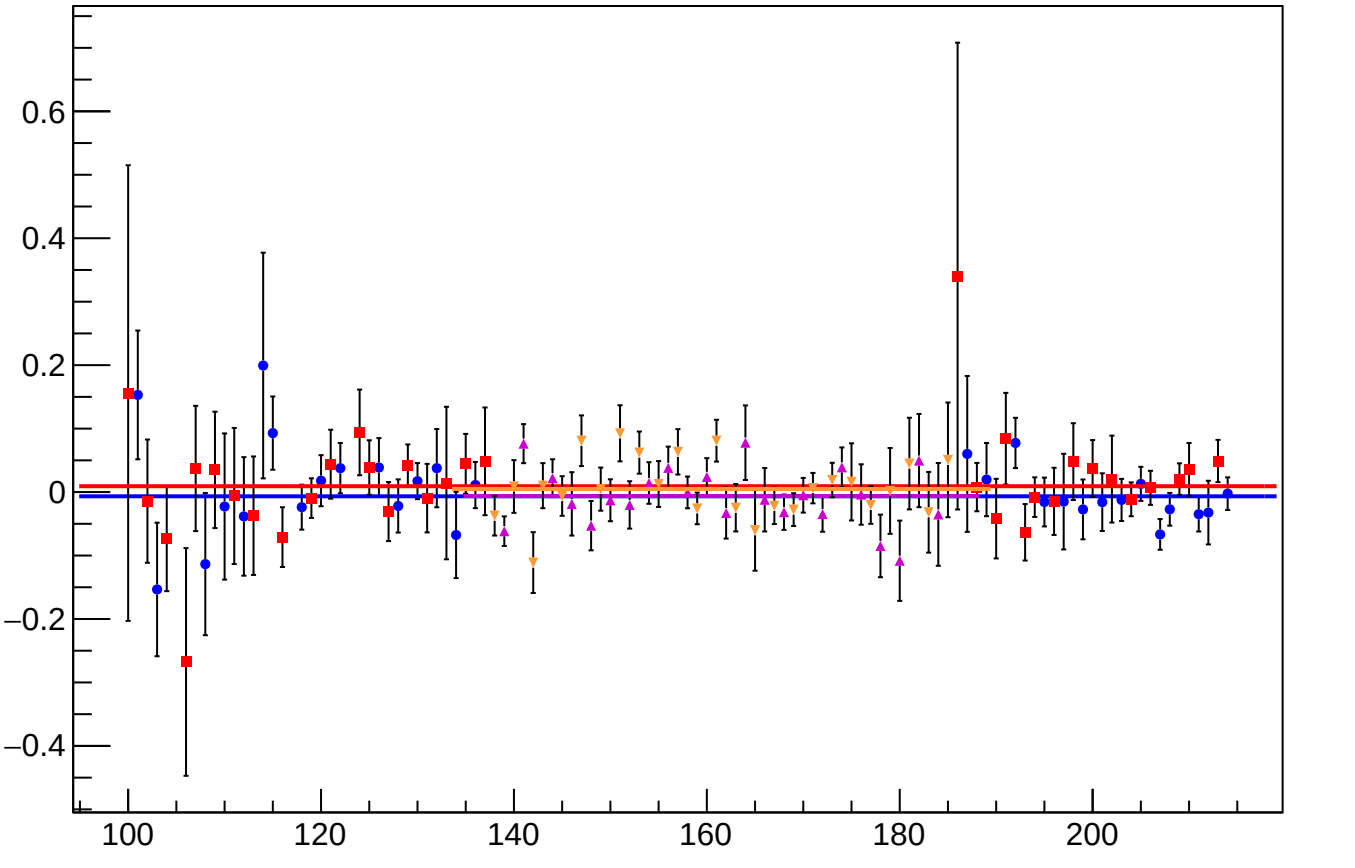
Right Out: 30.878+/-0.006 χ^2/NDF: 4639328.0/33

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.017+/-0.004 χ^2/NDF: 6899764.1/54

All: 29.474+/-0.003 χ^2/NDF: 13716420.4/111

- sign 29.972+/-0.004 χ^2/NDF: 6783733.1/56



Right In: -0.007+/-0.007 χ^2/NDF: 29.0/29

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

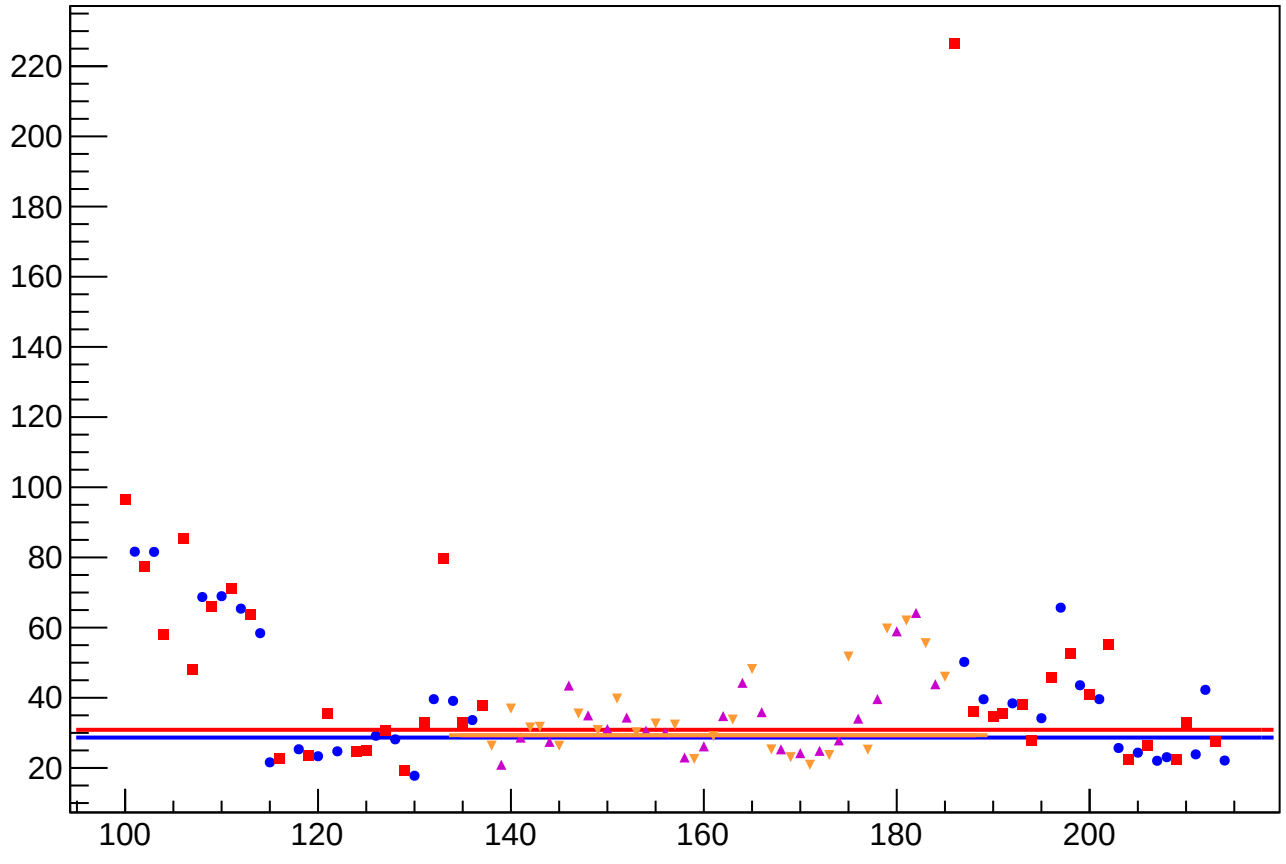
Right Out: 0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.001+/-0.005 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 118.9/111

- sign 0.001+/-0.005 χ^2/NDF: 54.7/56



Right In: 28.663+/-0.005 χ^2/NDF: 4204041.9/29

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

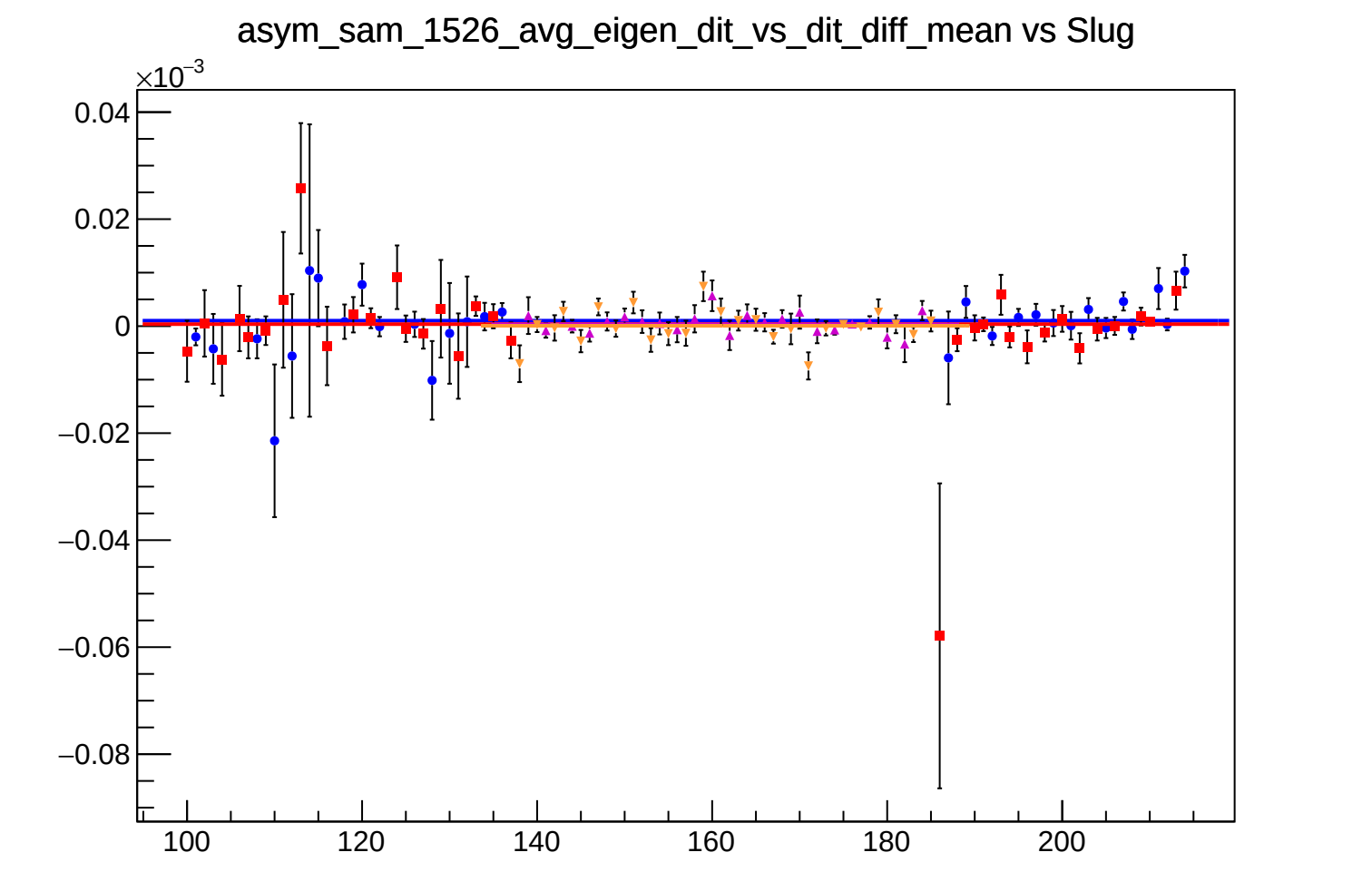
Right Out: 30.878+/-0.006 χ^2/NDF: 4639328.0/33

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 29.017+/-0.004 χ^2/NDF: 6899764.1/54

All: 29.474+/-0.003 χ^2/NDF: 13716420.4/111

- sign 29.972+/-0.004 χ^2/NDF: 6783733.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 40.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

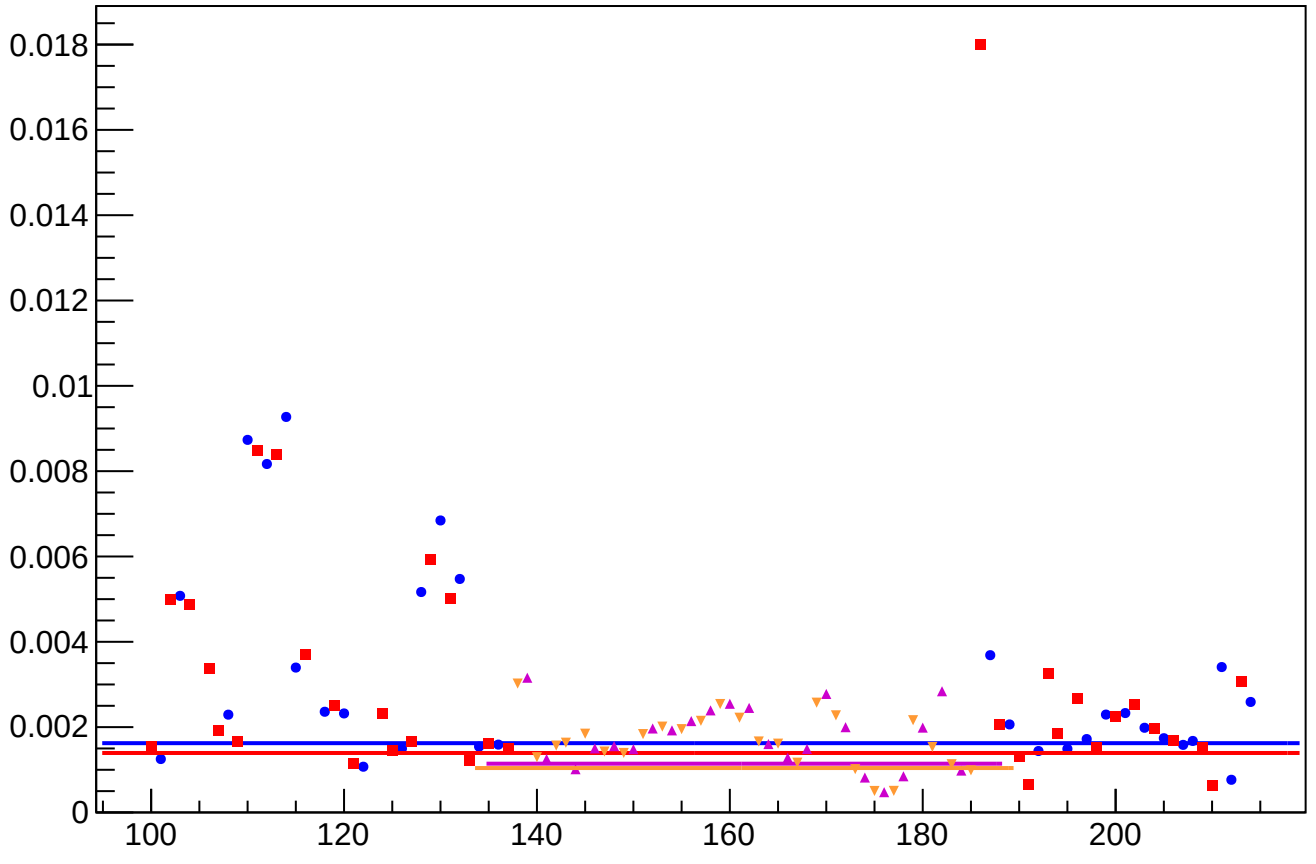
Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/33

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.2/54

All: 0.000+/-0.000 χ^2/NDF: 138.4/111

- sign 0.000+/-0.000 χ^2/NDF: 51.2/56



Right In: 0.002+/-0.000 χ^2/NDF: 6399511.5/29

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

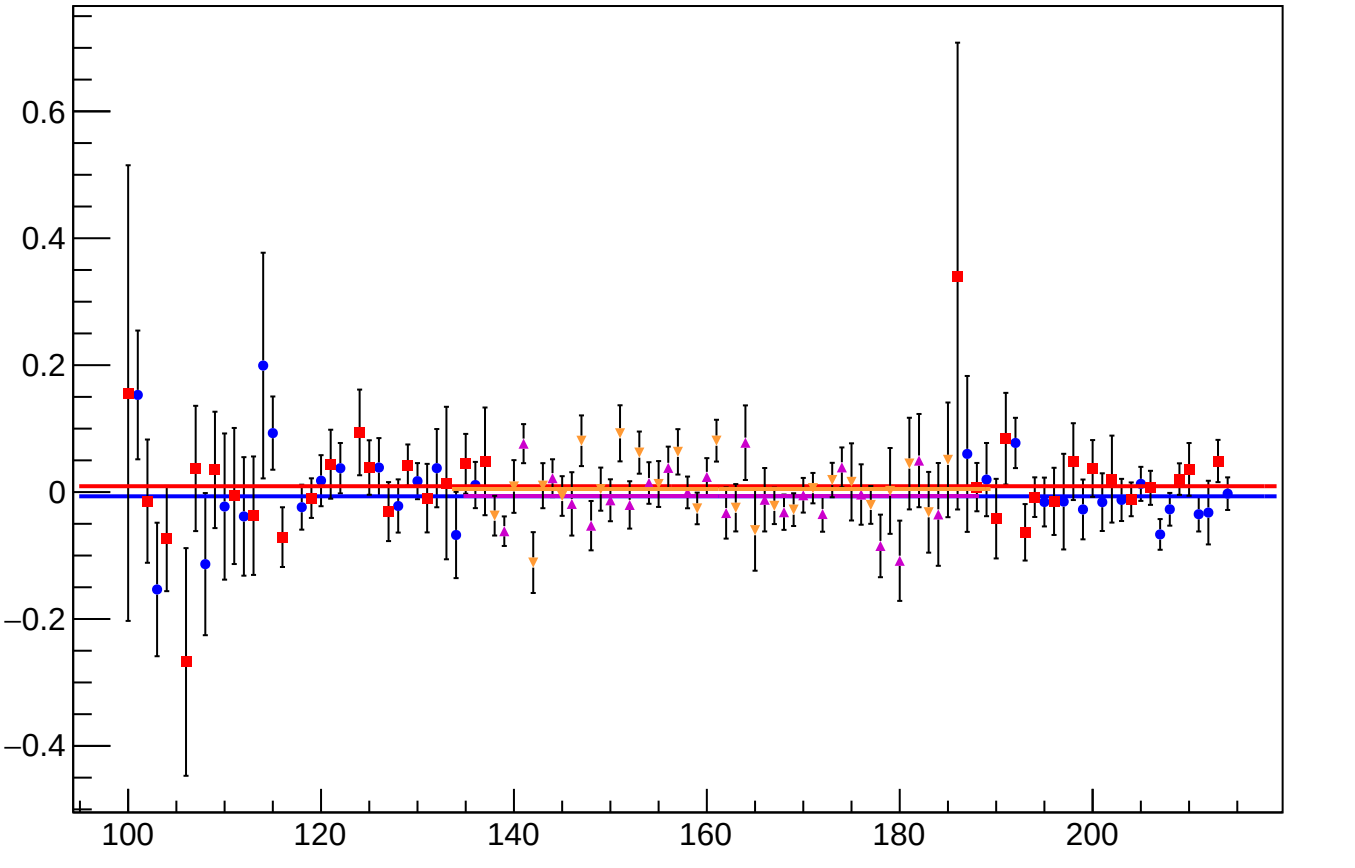
Right Out: 0.001+/-0.000 χ^2/NDF: 10235927.8/33

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 18779768.0/54

All: 0.001+/-0.000 χ^2/NDF: 37838251.4/111

- sign 0.001+/-0.000 χ^2/NDF: 19041988.3/56



Right In: -0.007+/-0.007 χ^2/NDF: 29.0/29

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

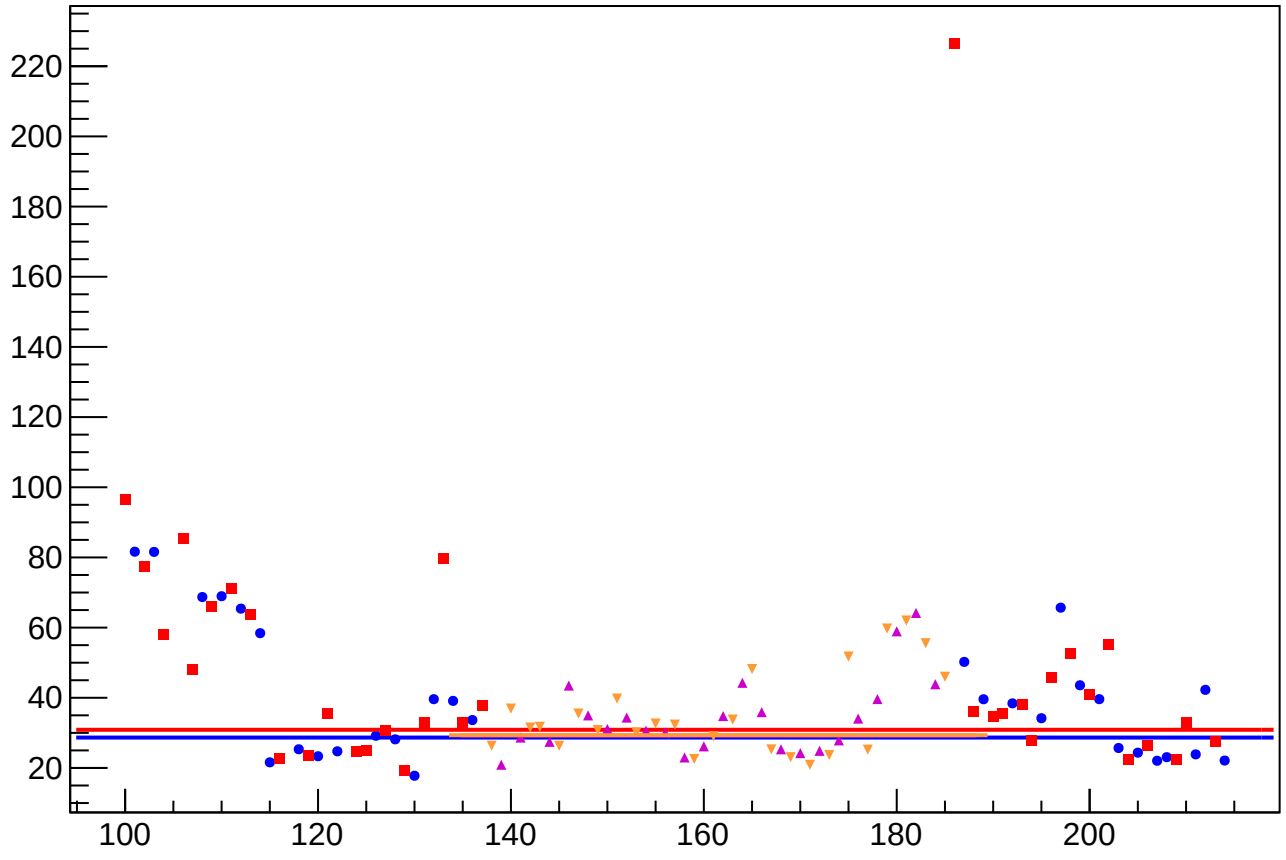
Right Out: 0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.001+/-0.005 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 118.9/111

- sign 0.001+/-0.005 χ^2/NDF: 54.7/56



Right In: 28.662+/-0.005 χ^2/NDF: 4204404.5/29

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

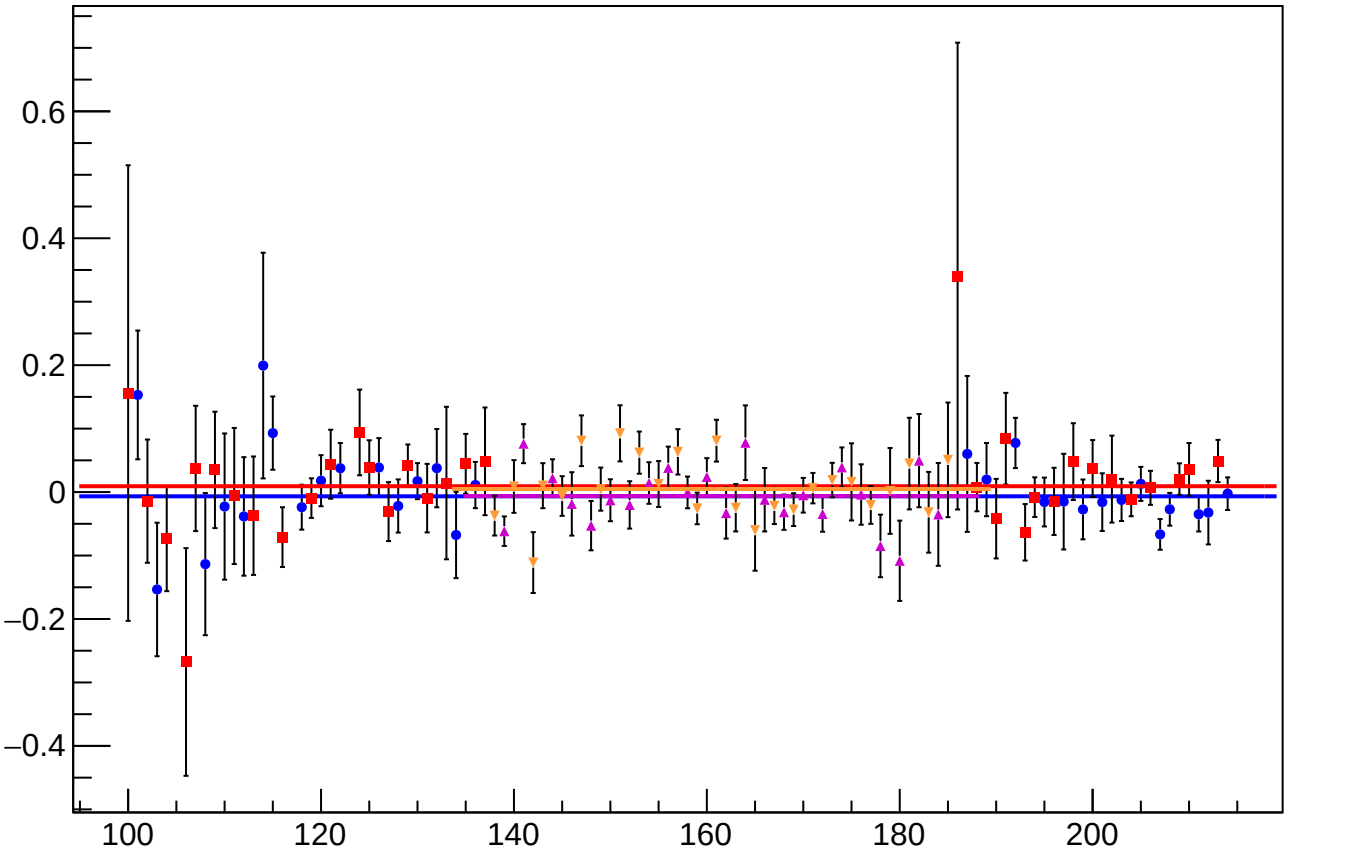
Right Out: 30.878+/-0.006 χ^2/NDF: 4639486.6/33

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.017+/-0.004 χ^2/NDF: 6900194.7/54

All: 29.474+/-0.003 χ^2/NDF: 13716943.1/111

- sign 29.972+/-0.004 χ^2/NDF: 6783802.6/56



Right In: -0.007+/-0.007 χ^2/NDF: 29.0/29

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

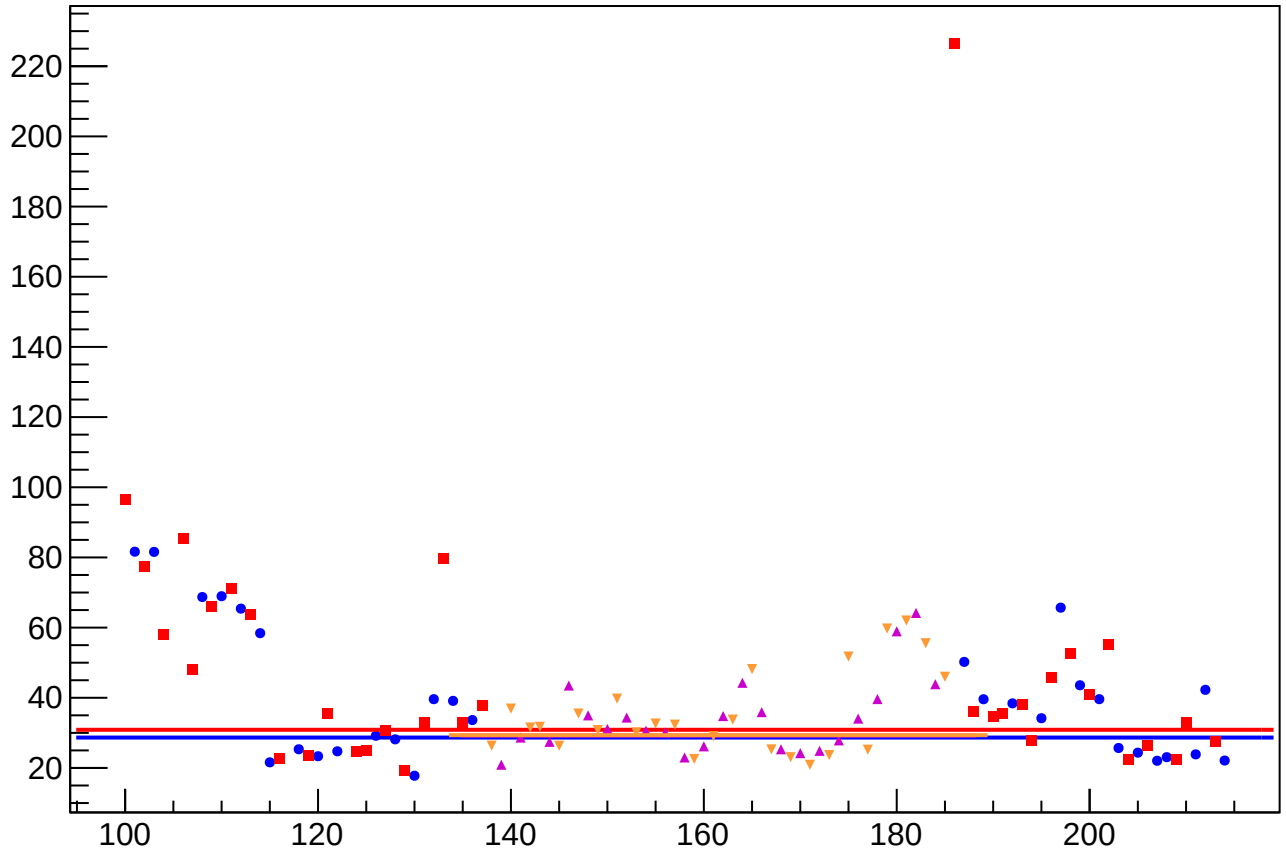
Right Out: 0.009+/-0.008 χ^2/NDF: 21.6/33

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.001+/-0.005 χ^2/NDF: 64.2/54

All: 0.000+/-0.004 χ^2/NDF: 118.9/111

- sign 0.001+/-0.005 χ^2/NDF: 54.7/56



Right In: 28.662+/-0.005 χ^2/NDF: 4204404.5/29

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

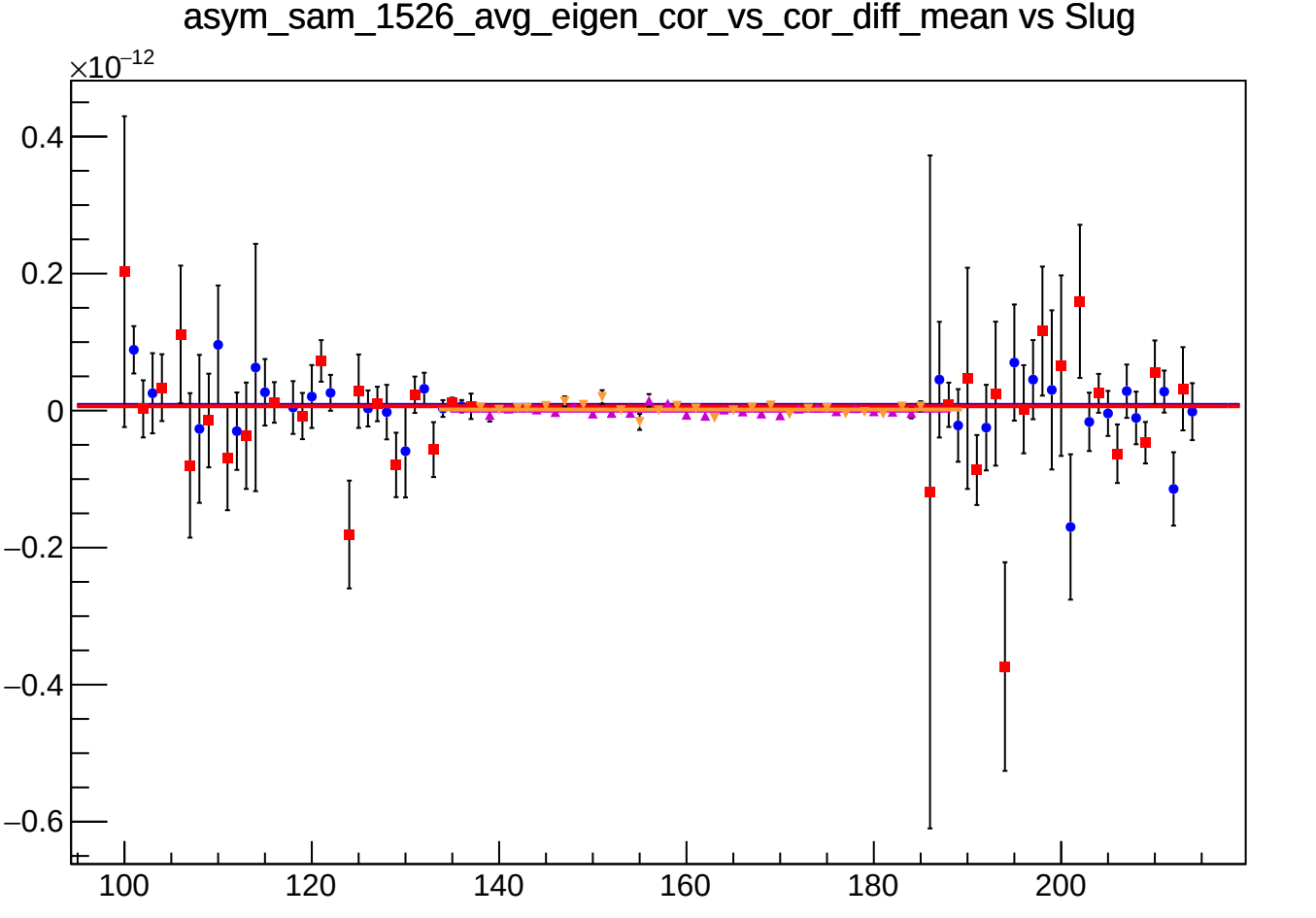
Right Out: 30.878+/-0.006 χ^2/NDF: 4639486.6/33

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 29.017+/-0.004 χ^2/NDF: 6900194.7/54

All: 29.474+/-0.003 χ^2/NDF: 13716943.1/111

- sign 29.972+/-0.004 χ^2/NDF: 6783802.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

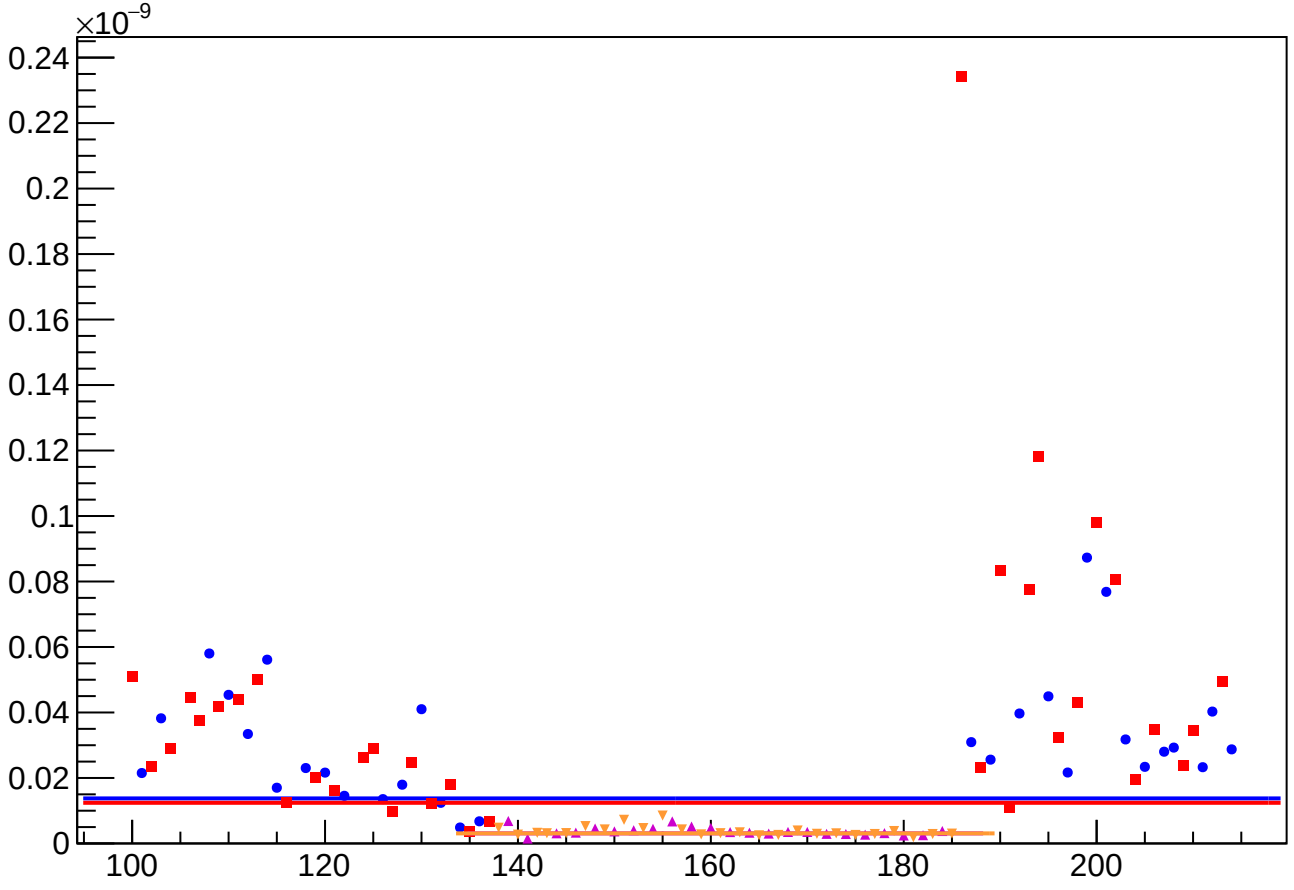
Right Out: 0.000+/-0.000 χ^2/NDF: 42.2/33

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/54

All: 0.000+/-0.000 χ^2/NDF: 122.0/111

- sign -0.000+/-0.000 χ^2/NDF: 62.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8611595.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12063433.7/33

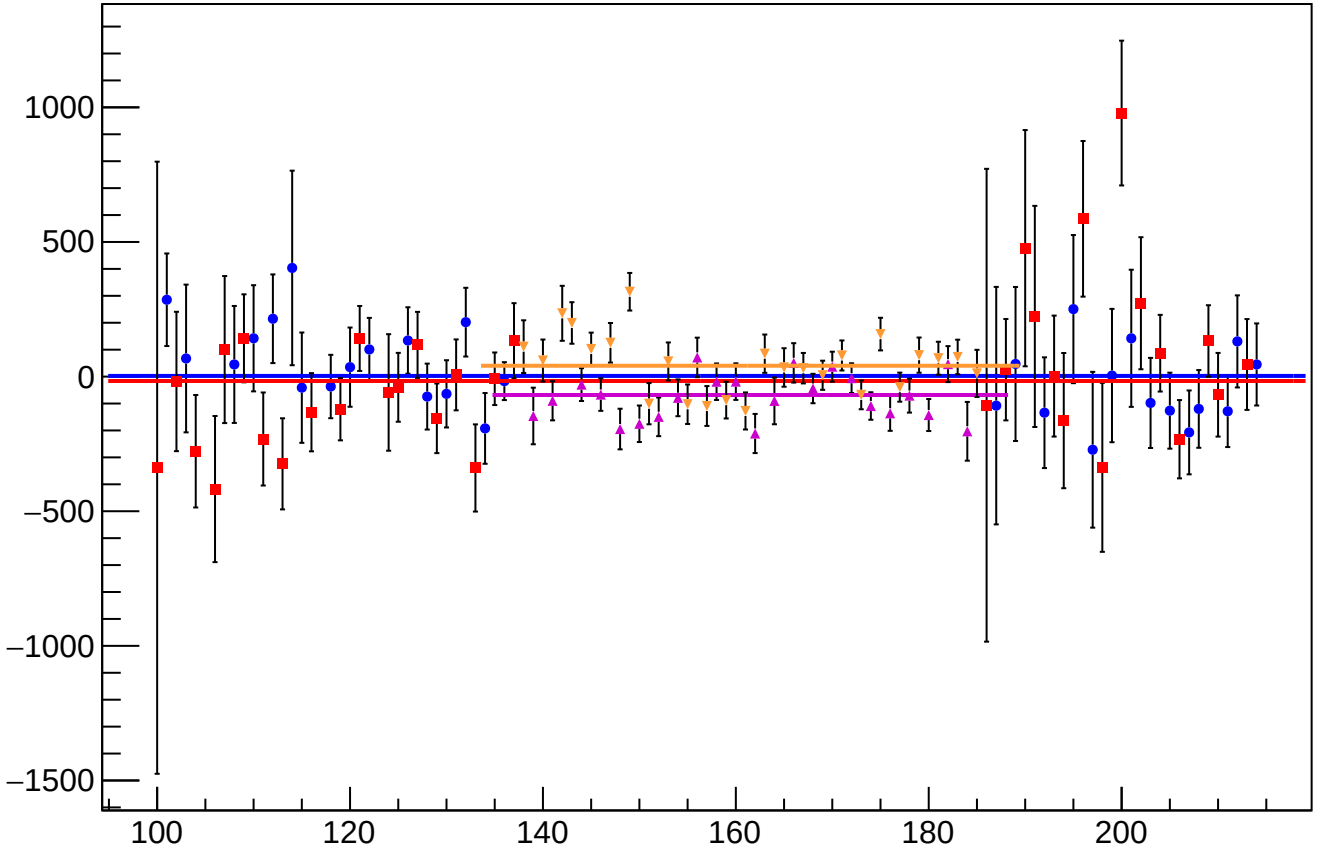
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18167085.5/54

All: 0.000+/-0.000 χ^2/NDF: 38152747.9/111

- sign 0.000+/-0.000 χ^2/NDF: 19985285.1/56

reg_asym_sam_3726_avg_mean vs Slug



Right In: 2.560+/-27.972 χ^2/NDF: 21.5/29

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -16.229+/-29.084 χ^2/NDF: 47.3/33

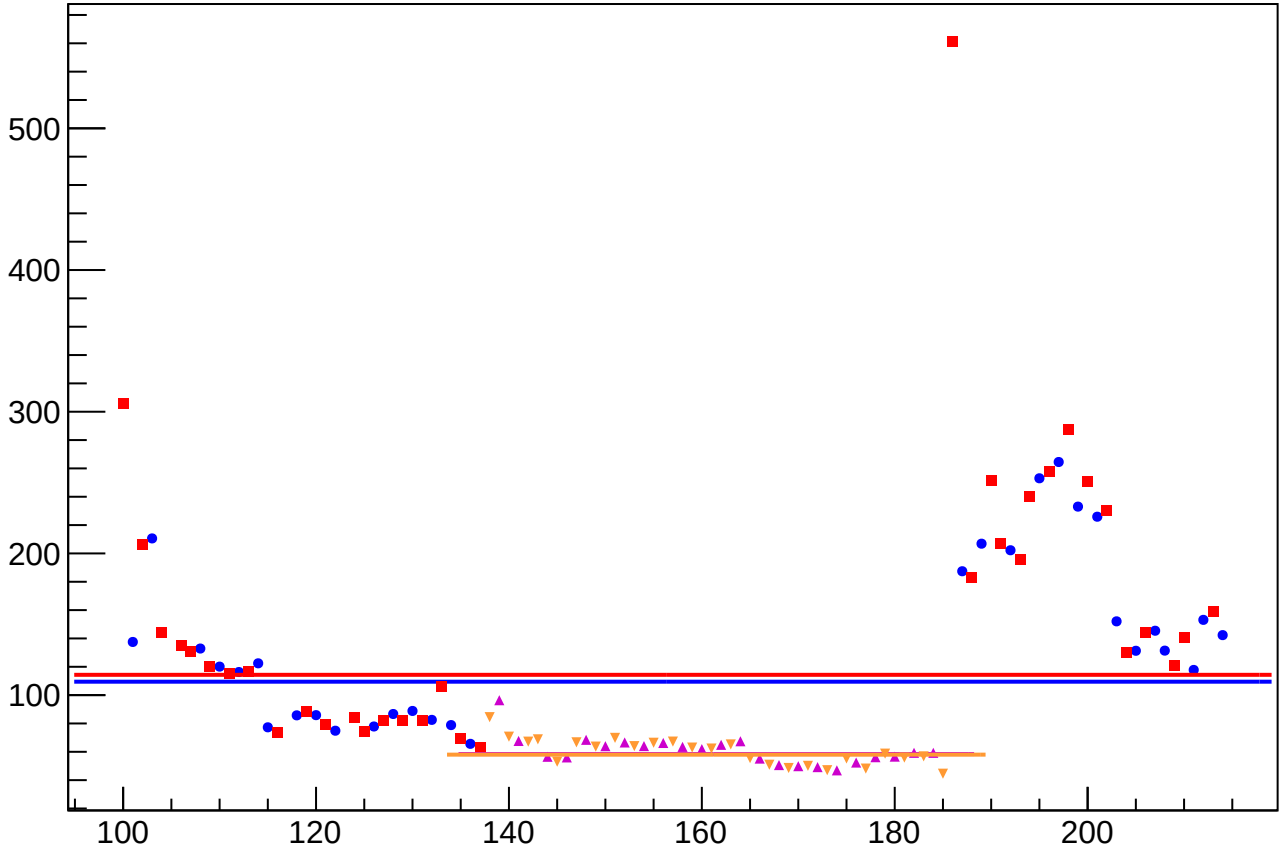
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 33.288+/-12.086 χ^2/NDF: 82.4/54

All: -11.094+/-8.694 χ^2/NDF: 192.0/111

- sign -58.692+/-12.516 χ^2/NDF: 81.7/56

reg_asym_sam_3726_avg_rms vs Slug



Right In: 109.479+/-0.020 χ^2/NDF: 5243216.1/29

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

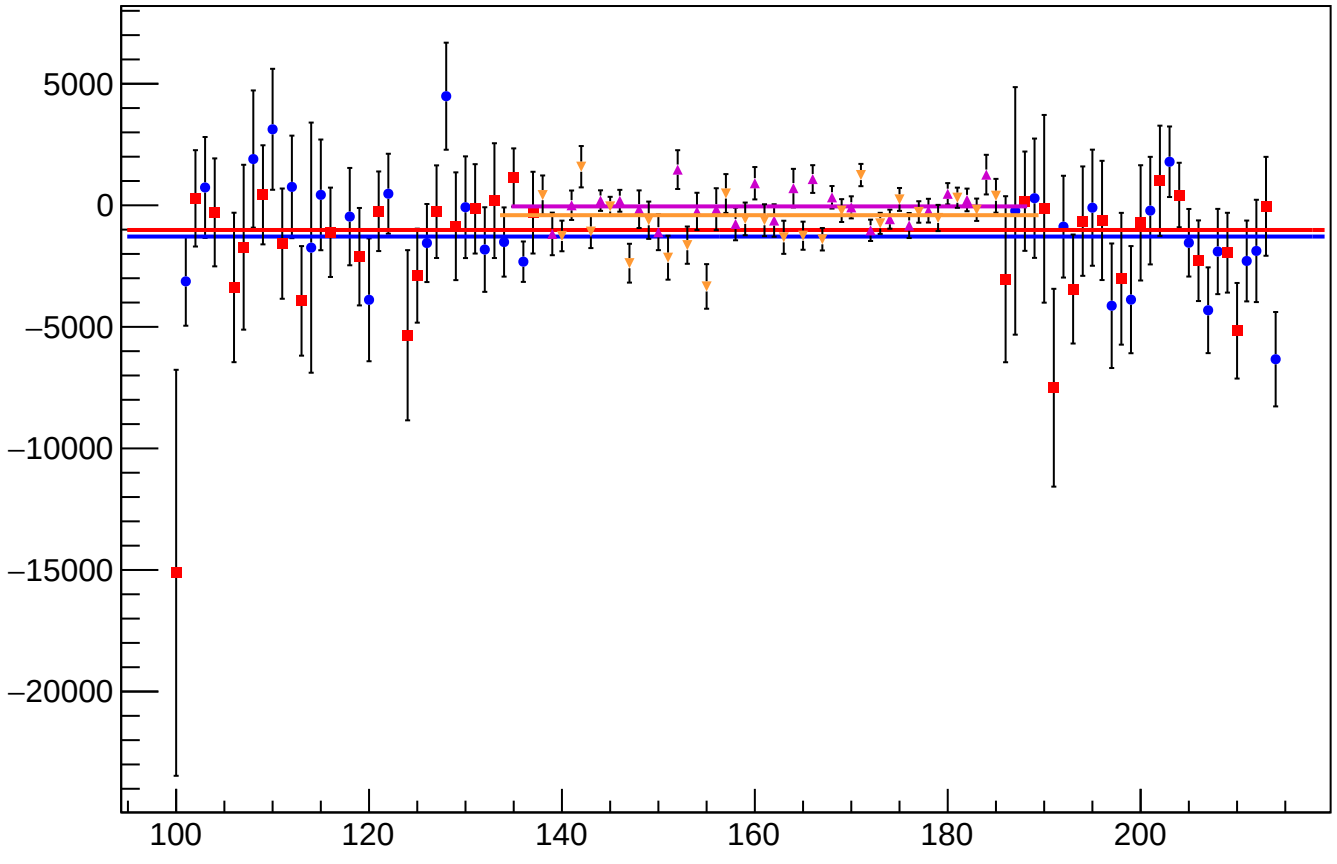
Right Out: 114.328+/-0.021 χ^2/NDF: 6330506.0/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 67.607+/-0.009 χ^2/NDF: 11561002.8/54

All: 68.161+/-0.006 χ^2/NDF: 24662025.5/111

- sign 68.755+/-0.009 χ^2/NDF: 13092315.1/56



Right In: -1285.126+/-336.967 χ^2/NDF: 37.6/29

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1014.847+/-355.880 χ^2/NDF: 26.0/33

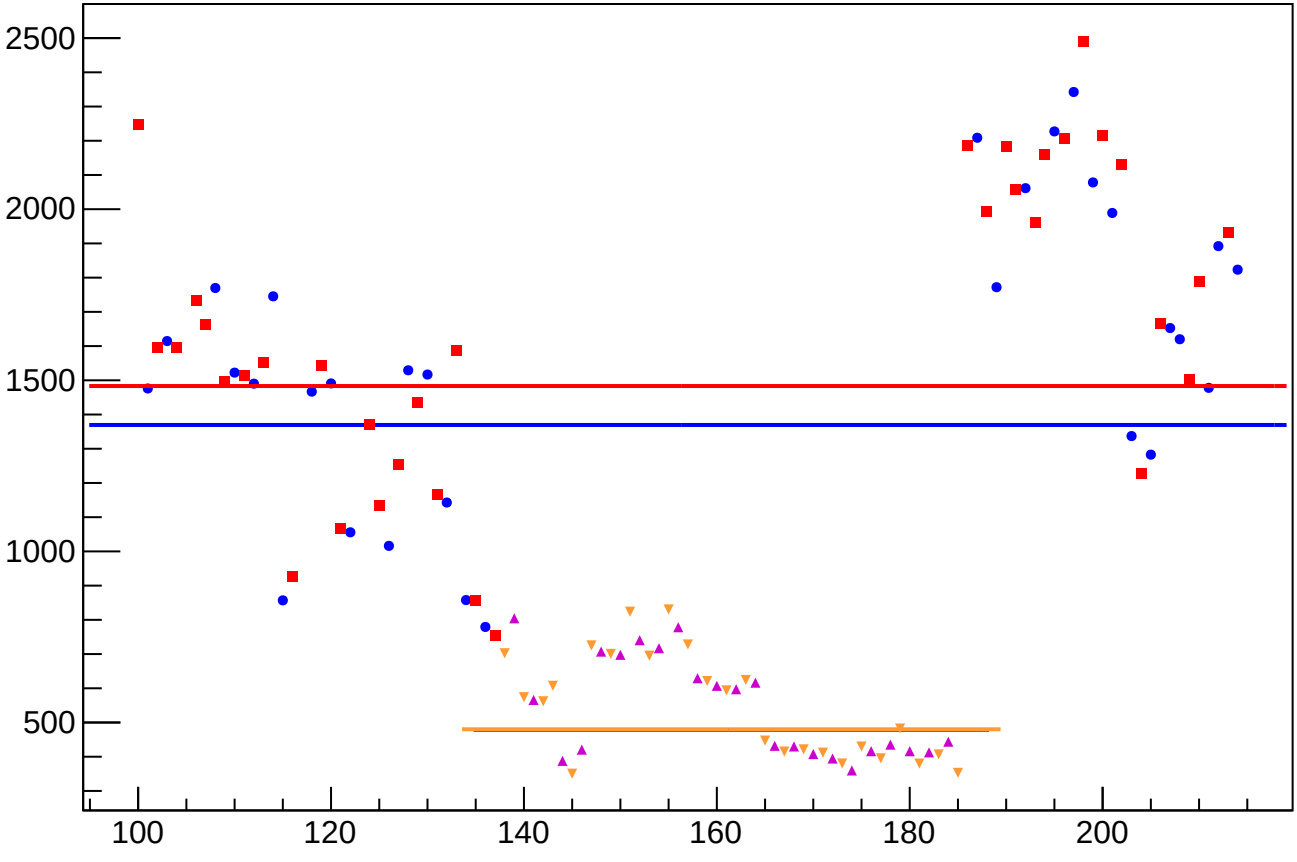
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -495.820+/-107.535 χ^2/NDF: 106.9/54

All: -320.936+/-76.925 χ^2/NDF: 176.0/111

- sign -137.652+/-110.087 χ^2/NDF: 63.7/56

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1369.483+/-0.238 χ^2/NDF: 3280455.3/29

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1483.256+/-0.252 χ^2/NDF: 3080237.7/33

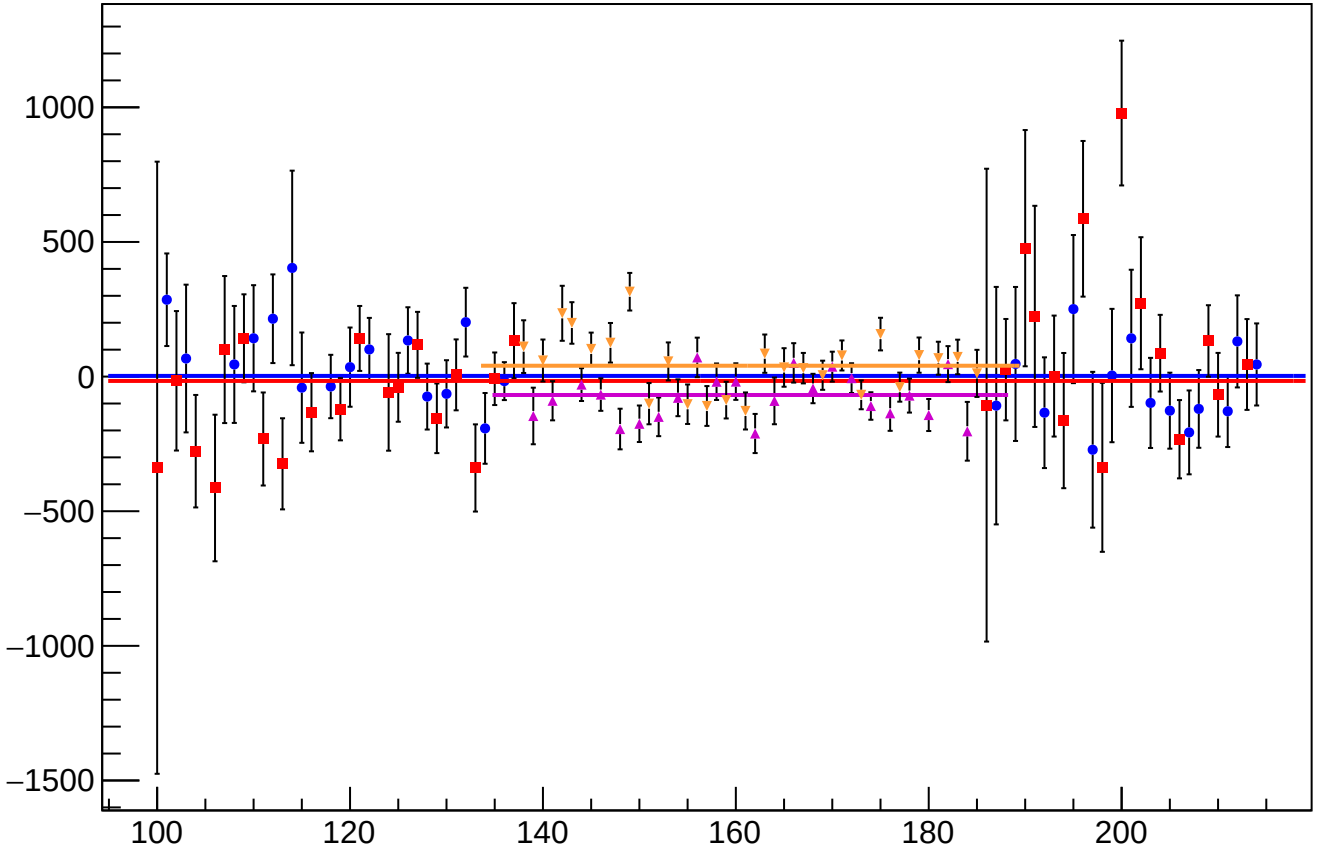
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 570.731+/-0.076 χ^2/NDF: 18374621.1/54

All: 572.458+/-0.054 χ^2/NDF: 38099915.5/11

- sign 574.268+/-0.078 χ^2/NDF: 19724237.9/56

cor_asym_sam_3726_avg_mean vs Slug



Right In: 2.551+/-27.972 χ^2/NDF: 21.5/29

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -16.126+/-29.086 χ^2/NDF: 47.2/33

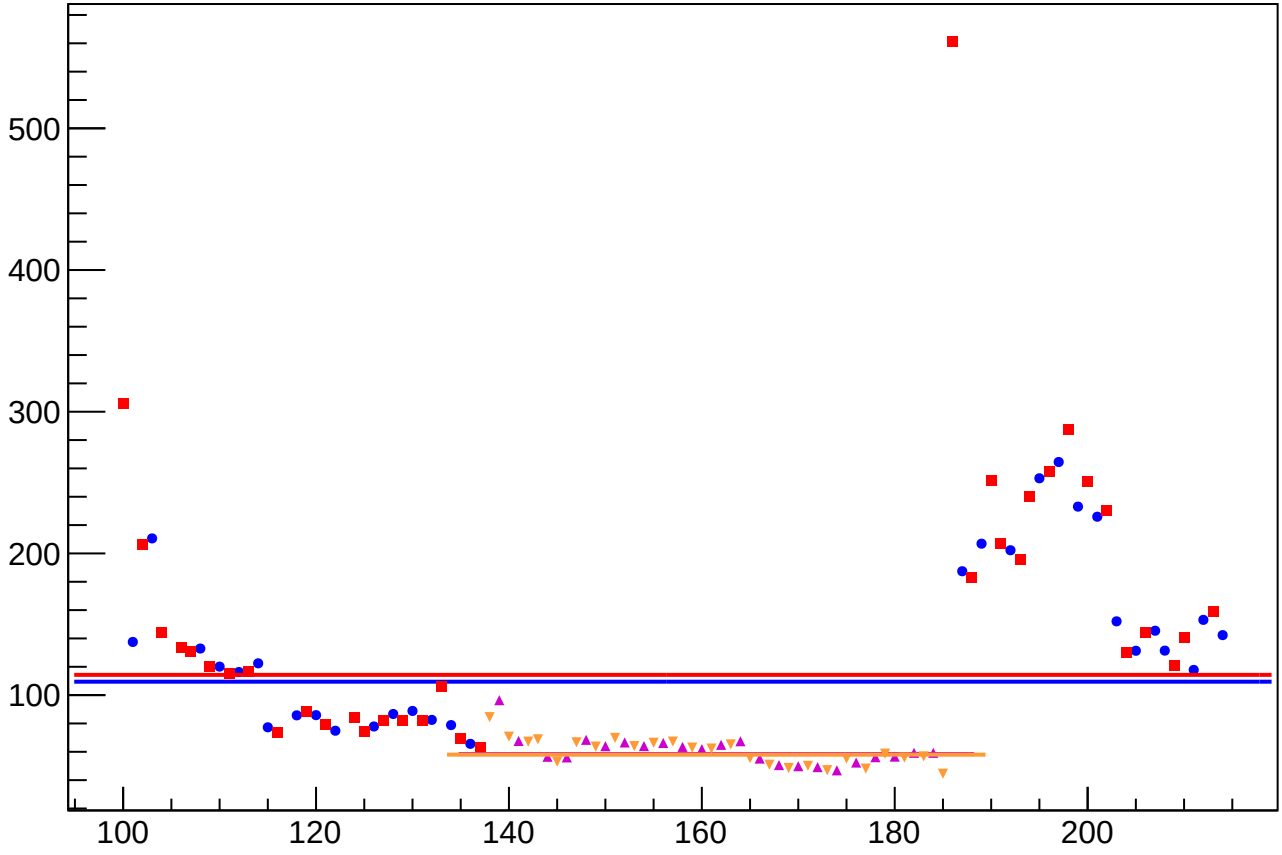
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 33.288+/-12.086 χ^2/NDF: 82.4/54

All: -11.085+/-8.694 χ^2/NDF: 192.0/111

- sign -58.673+/-12.517 χ^2/NDF: 81.6/56

cor_asym_sam_3726_avg_rms vs Slug



Right In: 109.479+/-0.020 χ^2/NDF: 5243219.2/29

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

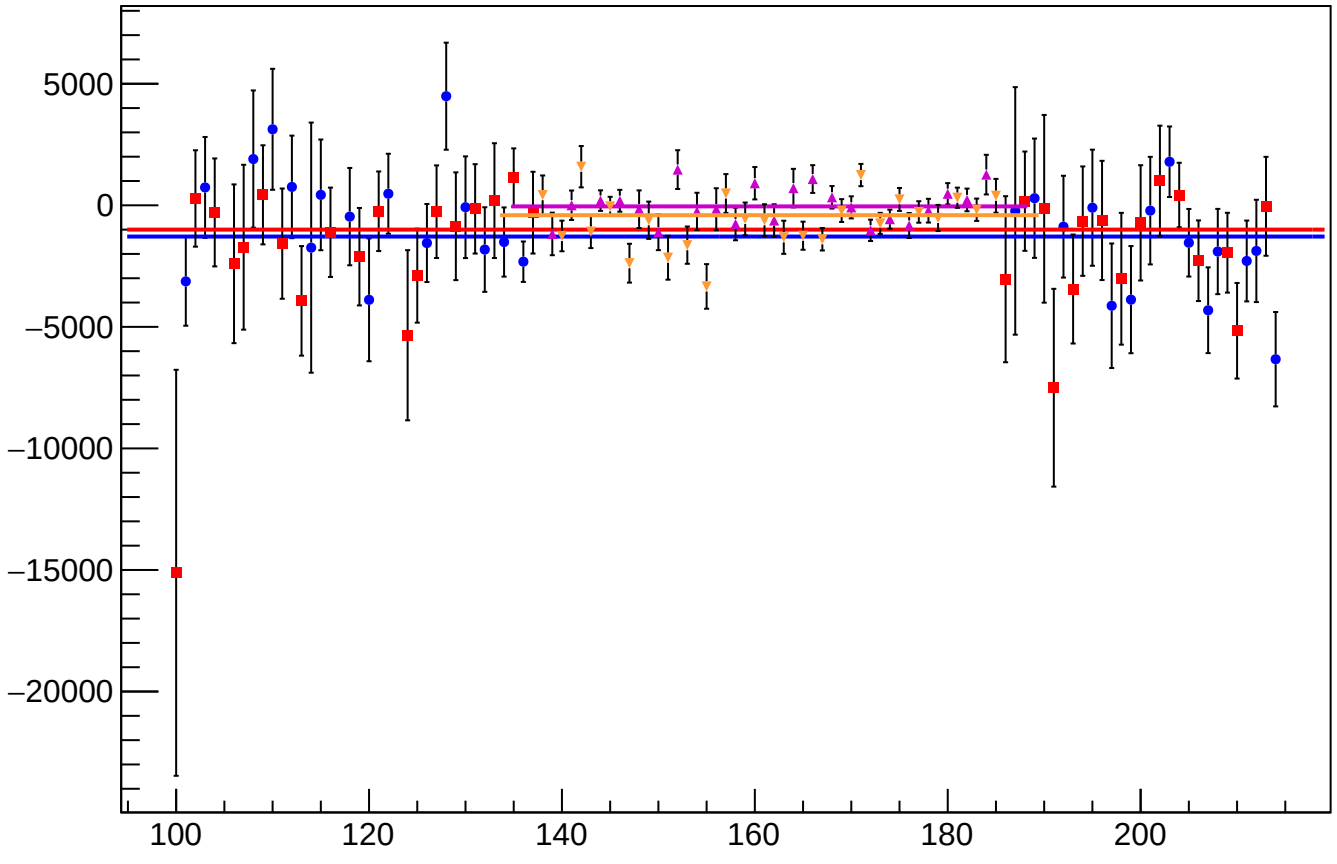
Right Out: 114.304+/-0.021 χ^2/NDF: 6328646.8/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 67.607+/-0.009 χ^2/NDF: 11561005.1/54

All: 68.159+/-0.006 χ^2/NDF: 24654553.3/111

- sign 68.750+/-0.009 χ^2/NDF: 13084918.3/56



Right In: -1285.109+/-336.968 χ^2/NDF: 37.6/29

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -999.906+/-356.161 χ^2/NDF: 25.5/33

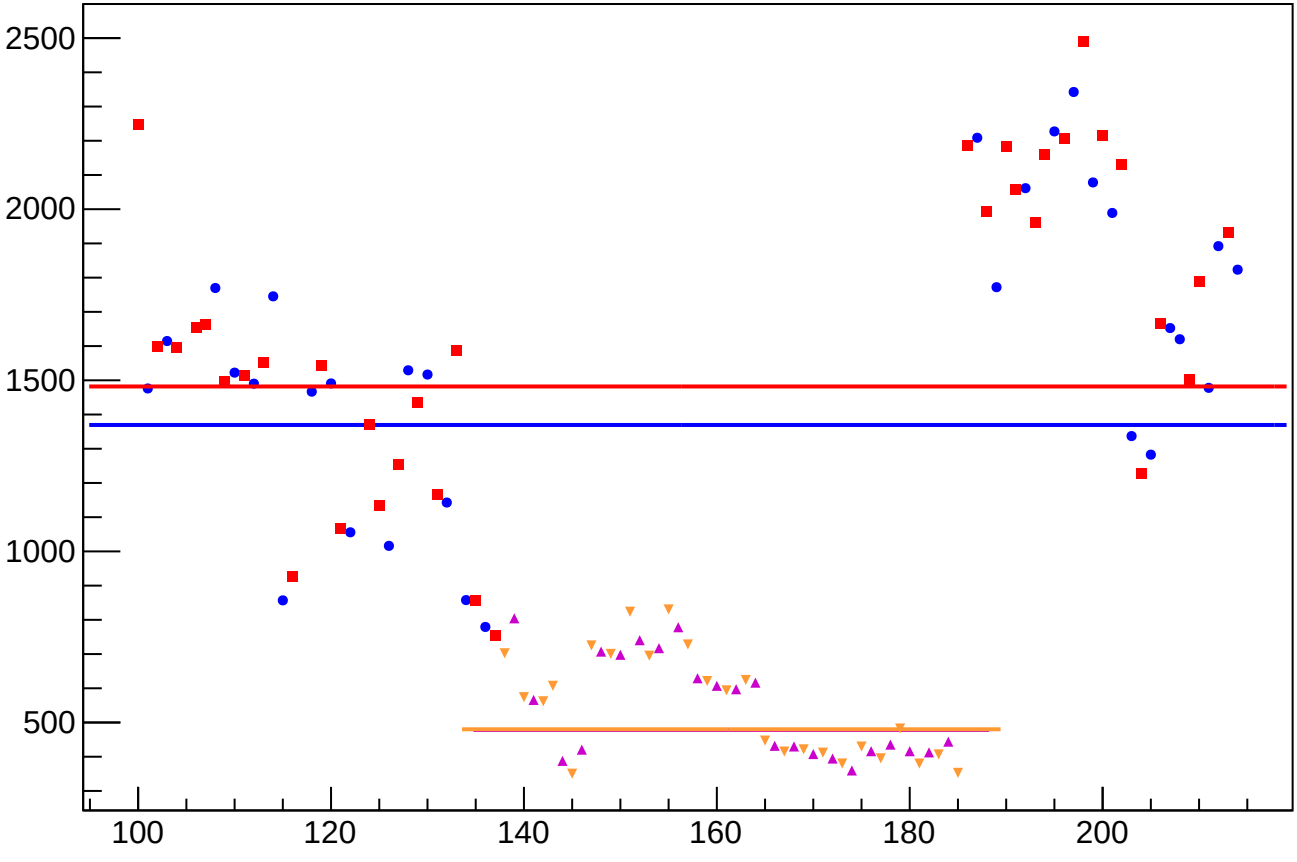
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -495.816+/-107.535 χ^2/NDF: 106.9/54

All: -320.185+/-76.928 χ^2/NDF: 175.4/111

- sign -136.091+/-110.095 χ^2/NDF: 63.1/56

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1369.485+/-0.238 χ^2/NDF: 3280482.5/29

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1481.977+/-0.252 χ^2/NDF: 3072645.7/33

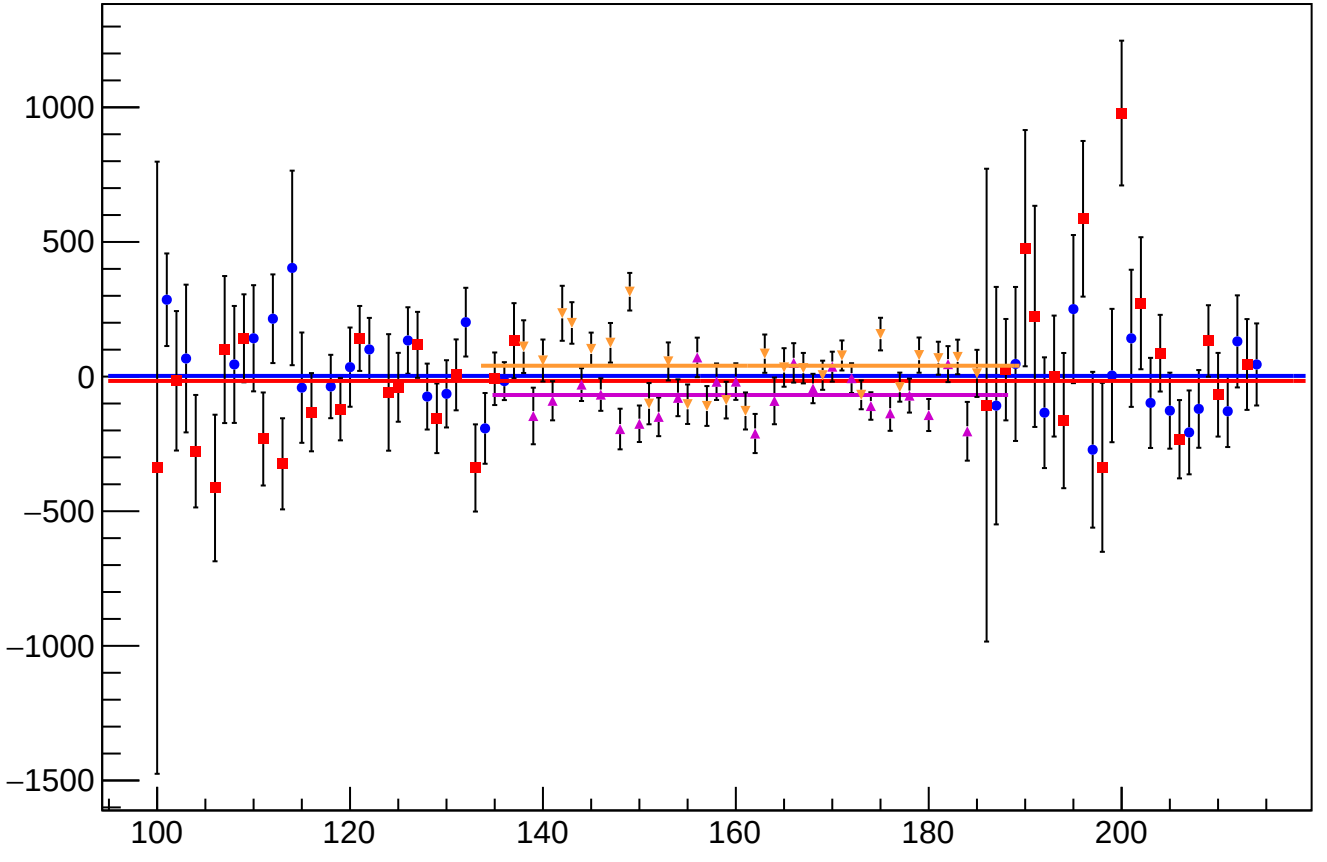
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 570.731+/-0.076 χ^2/NDF: 18374650.5/54

All: 572.331+/-0.054 χ^2/NDF: 38035041.4/11

- sign 574.009+/-0.078 χ^2/NDF: 19659483.3/56

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: 2.551+/-27.972 χ^2/NDF: 21.5/29

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -16.126+/-29.086 χ^2/NDF: 47.2/33

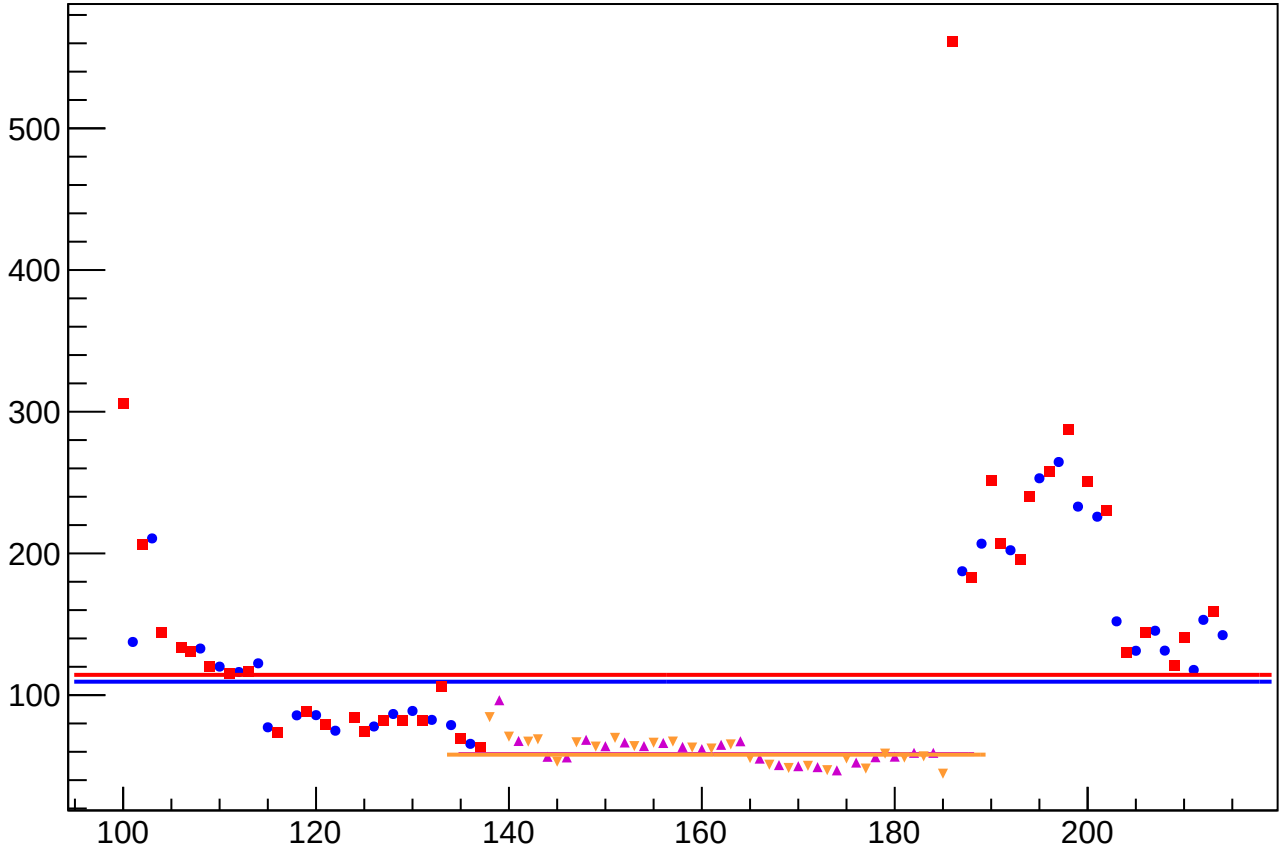
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 33.288+/-12.086 χ^2/NDF: 82.4/54

All: -11.085+/-8.694 χ^2/NDF: 192.0/111

- sign -58.673+/-12.517 χ^2/NDF: 81.6/56

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 109.479+/-0.020 χ^2/NDF: 5243219.2/29

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

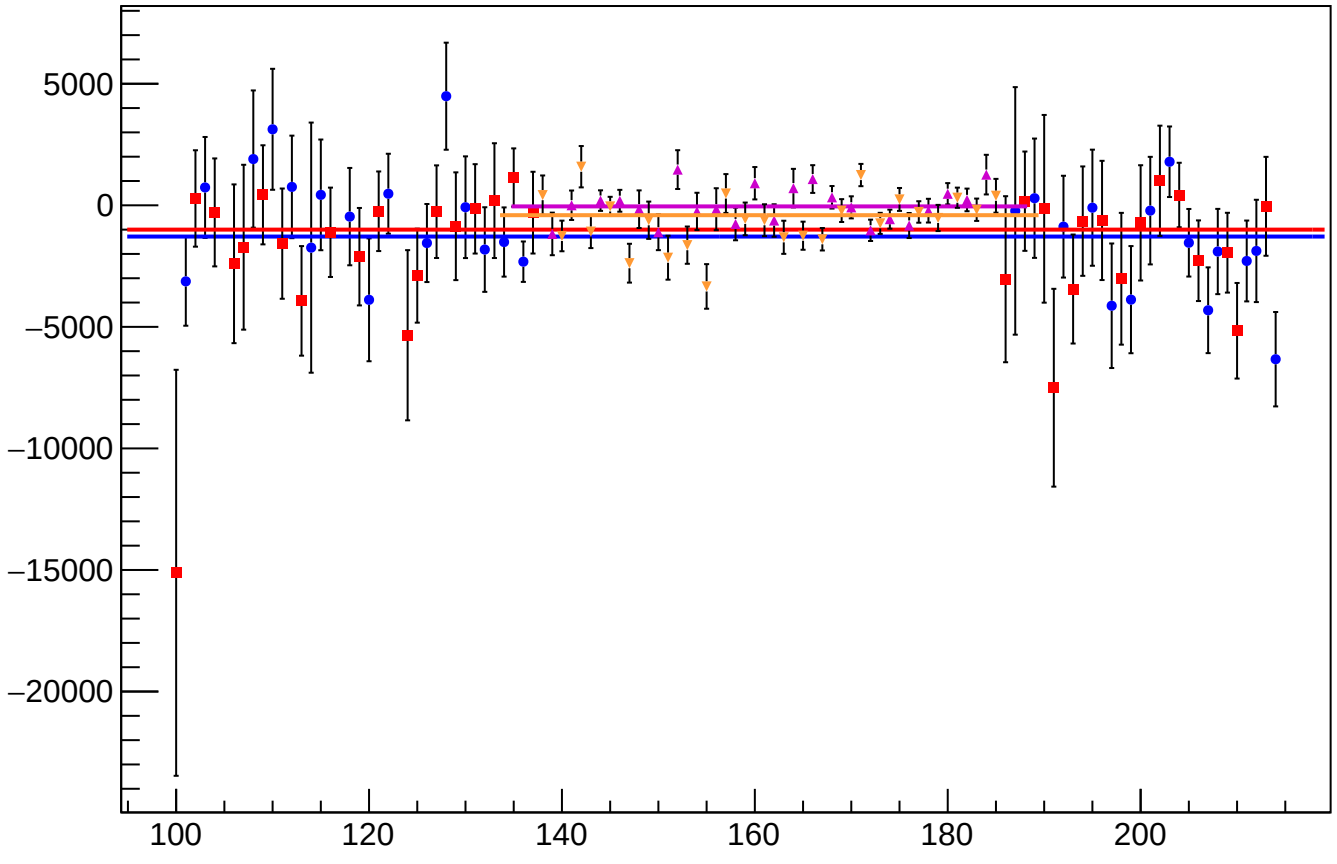
Right Out: 114.304+/-0.021 χ^2/NDF: 6328646.8/33

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 67.607+/-0.009 χ^2/NDF: 11561005.1/54

All: 68.159+/-0.006 χ^2/NDF: 24654553.3/111

- sign 68.750+/-0.009 χ^2/NDF: 13084918.3/56



Right In: -1285.109+/-336.968 χ^2/NDF: 37.6/29

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -999.906+/-356.161 χ^2/NDF: 25.5/33

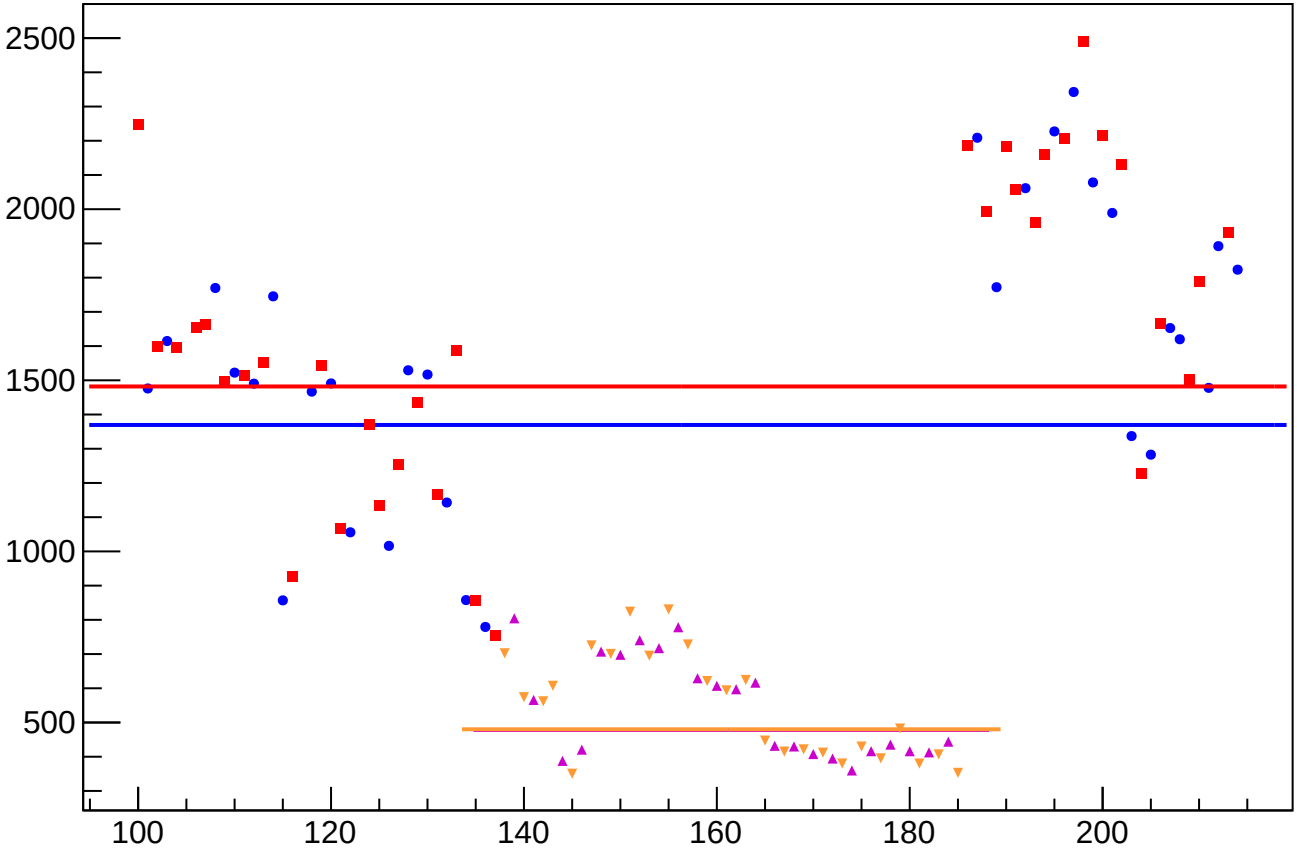
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -495.816+/-107.535 χ^2/NDF: 106.9/54

All: -320.185+/-76.928 χ^2/NDF: 175.4/111

- sign -136.091+/-110.095 χ^2/NDF: 63.1/56

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug



Right In: 1369.485+/-0.238 χ^2/NDF: 3280482.5/29

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1481.977+/-0.252 χ^2/NDF: 3072645.7/33

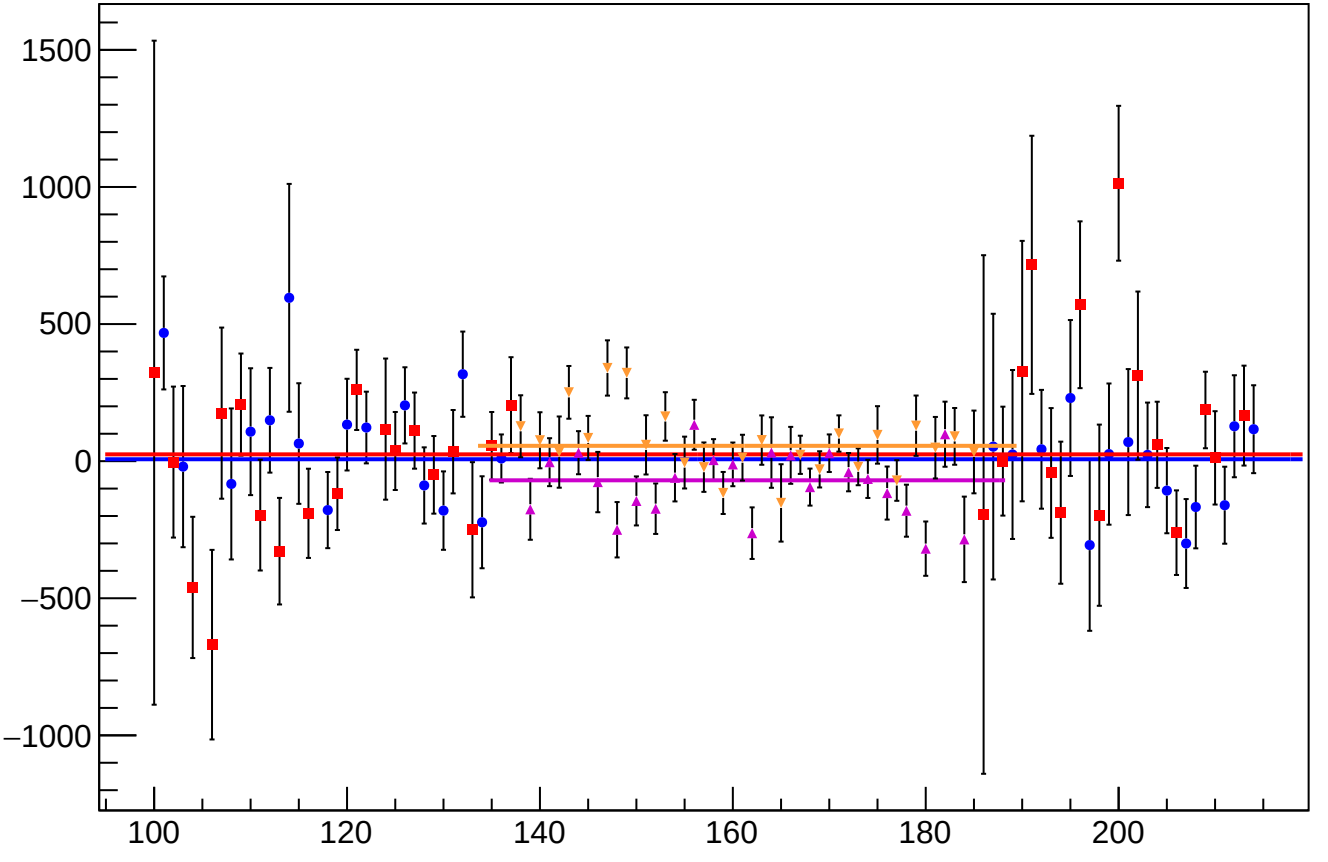
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 570.731+/-0.076 χ^2/NDF: 18374650.5/54

All: 572.331+/-0.054 χ^2/NDF: 38035041.4/11

- sign 574.009+/-0.078 χ^2/NDF: 19659483.3/56

dit_asym_sam_3726_avg_mean vs Slug



Right In: 6.961+/-31.879 χ^2/NDF: 30.6/29

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.824+/-33.279 χ^2/NDF: 47.6/33

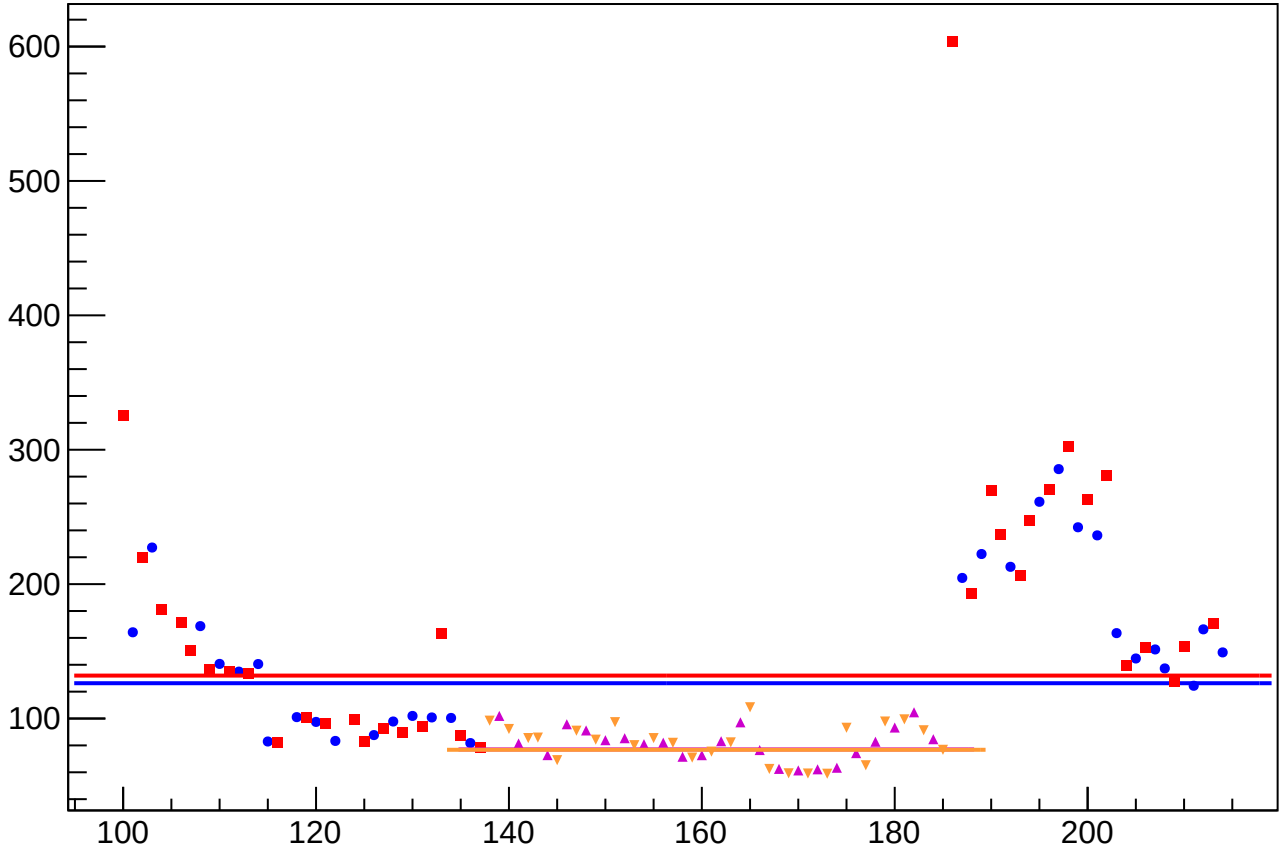
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 44.157+/-15.640 χ^2/NDF: 70.7/54

All: -0.155+/-11.241 χ^2/NDF: 175.7/111

- sign -47.501+/-16.167 χ^2/NDF: 88.4/56

dit_asym_sam_3726_avg_rms vs Slug



Right In: 126.275+/-0.023 χ^2/NDF: 4279271.8/29

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

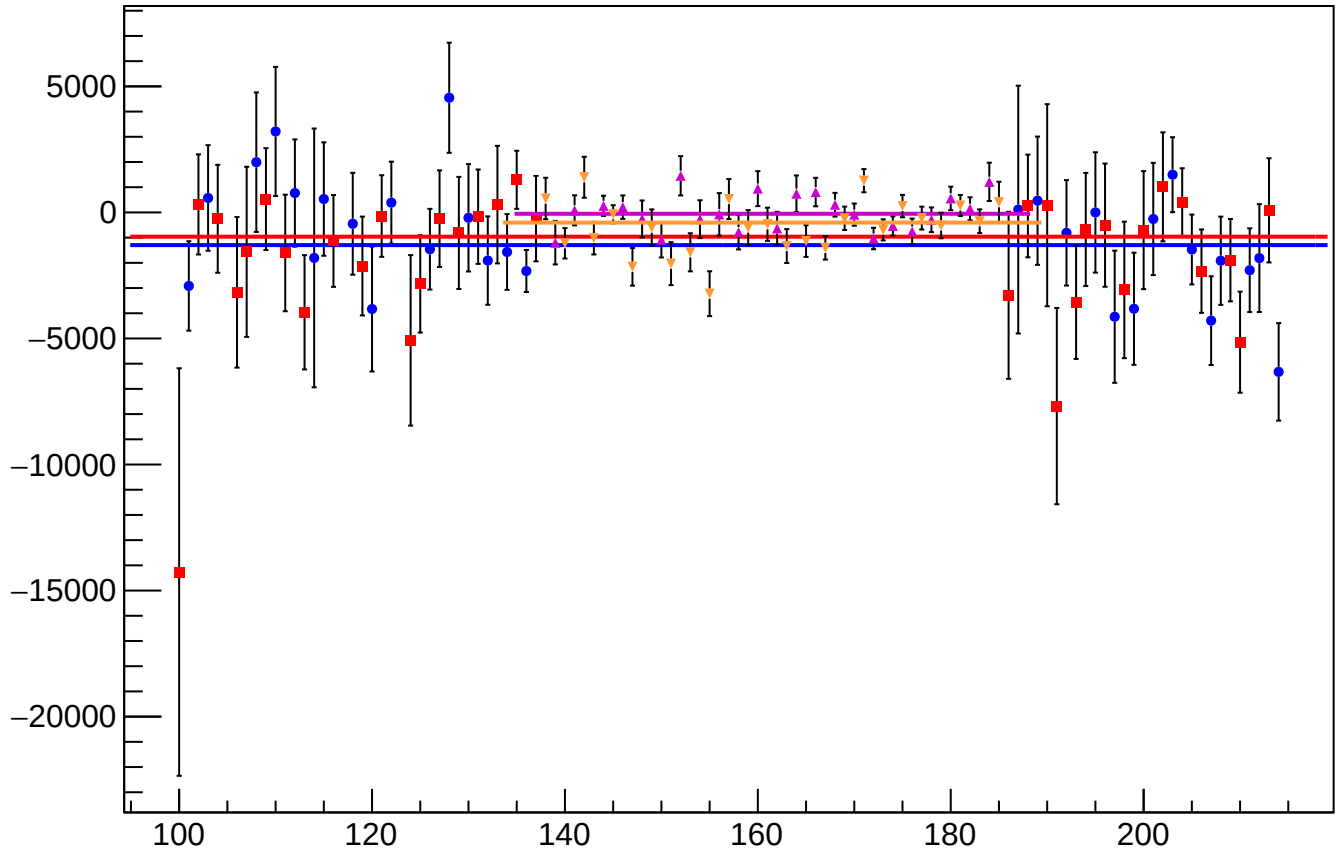
Right Out: 131.949+/-0.024 χ^2/NDF: 5560706.9/33

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 88.666+/-0.011 χ^2/NDF: 9179837.6/54

All: 89.303+/-0.008 χ^2/NDF: 19769335.4/111

- sign 89.982+/-0.011 χ^2/NDF: 10582651.8/56



Right In: -1296.755+/-338.588 χ^2/NDF: 36.5/29

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -962.624+/-353.632 χ^2/NDF: 27.3/33

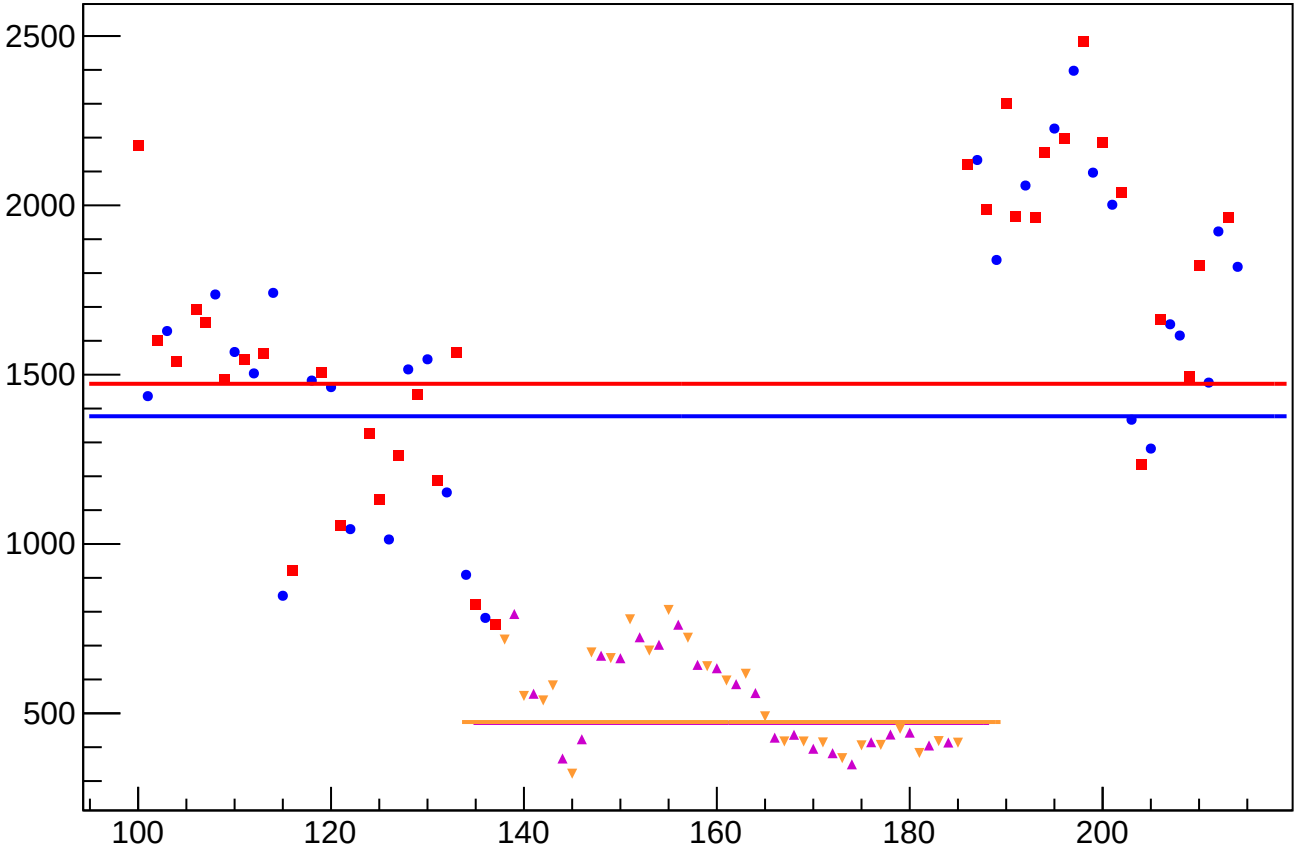
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -491.165+/-106.139 χ^2/NDF: 103.5/54

All: -319.765+/-75.939 χ^2/NDF: 172.8/111

- sign -140.014+/-108.694 χ^2/NDF: 64.0/56

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1377.225+/-0.239 χ^2/NDF: 3253741.9/29

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1473.067+/-0.250 χ^2/NDF: 3139904.2/33

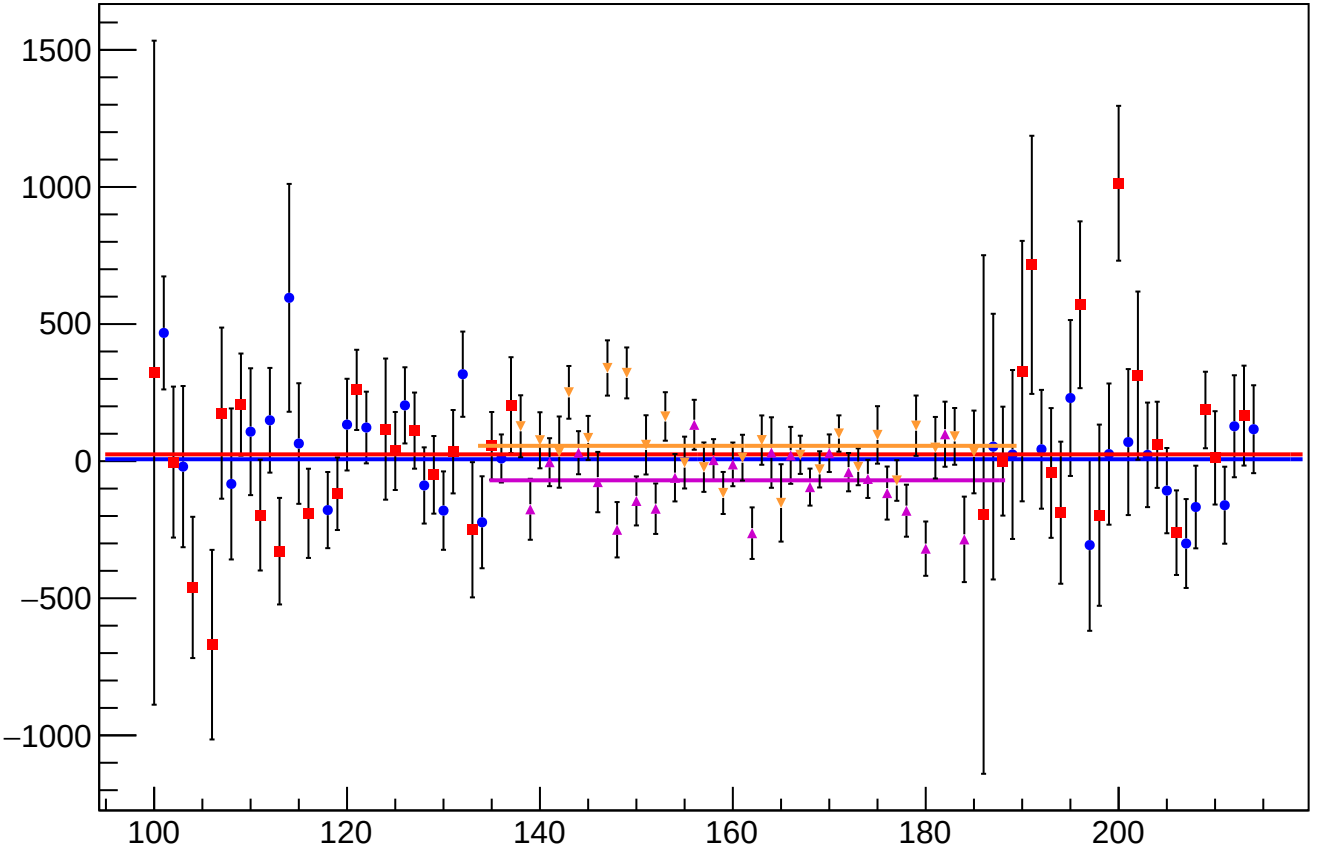
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 563.023+/-0.075 χ^2/NDF: 18618193.0/54

All: 564.515+/-0.054 χ^2/NDF: 38496910.3/11

- sign 566.081+/-0.077 χ^2/NDF: 19877906.8/56

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 6.962+/-31.879 χ^2/NDF: 30.6/29

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 24.826+/-33.279 χ^2/NDF: 47.6/33

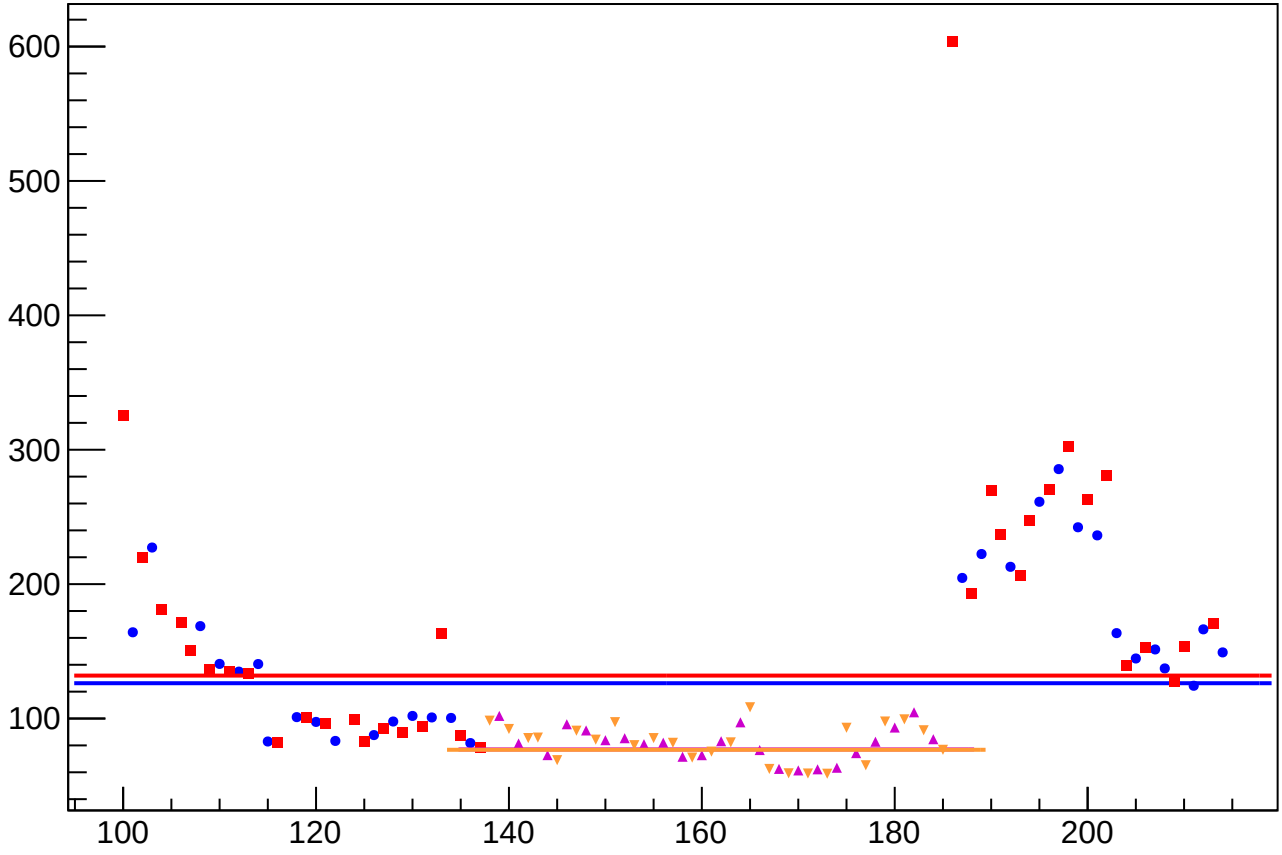
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 44.156+/-15.641 χ^2/NDF: 70.7/54

All: -0.154+/-11.241 χ^2/NDF: 175.7/111

- sign -47.500+/-16.167 χ^2/NDF: 88.4/56

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 126.274+/-0.023 χ^2/NDF: 4279283.4/29

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

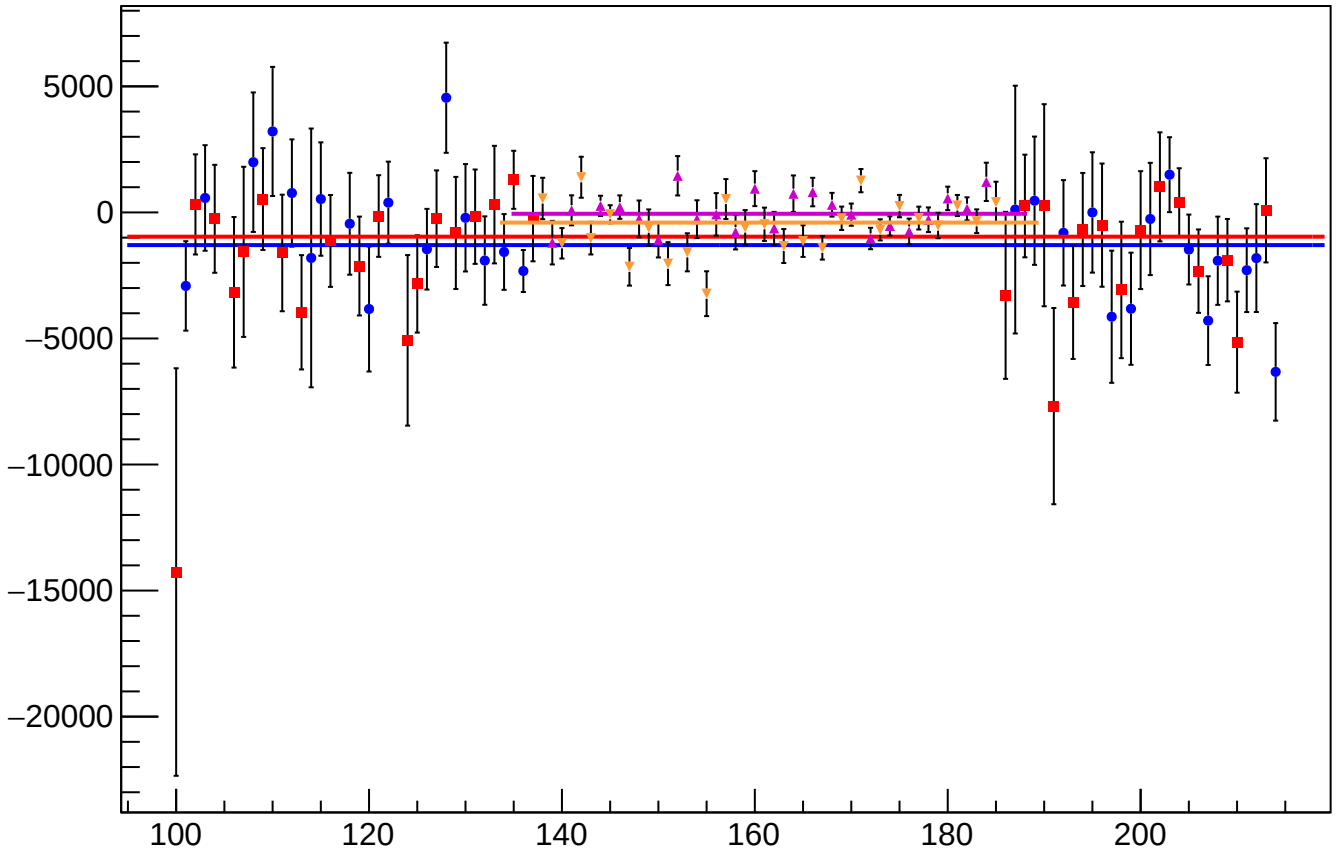
Right Out: 131.949+/-0.024 χ^2/NDF: 5560717.7/33

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 88.667+/-0.011 χ^2/NDF: 9179779.6/54

All: 89.303+/-0.008 χ^2/NDF: 19769218.9/111

- sign 89.983+/-0.011 χ^2/NDF: 10582592.8/56



Right In: -1296.751+/-338.588 χ^2/NDF: 36.5/29

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

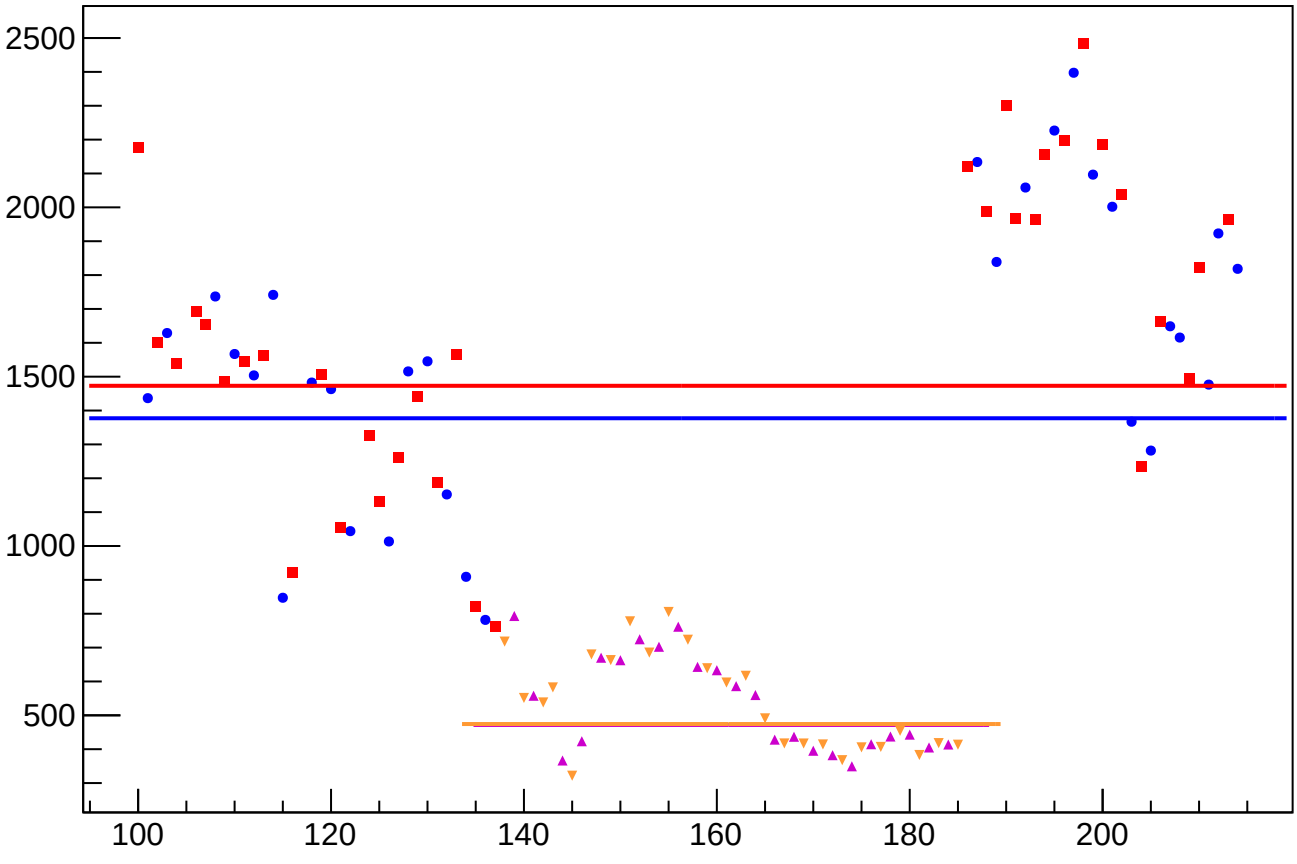
Right Out: -962.624+/-353.632 χ^2/NDF: 27.3/33

Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -491.165+/-106.139 χ^2/NDF: 103.5/54

All: -319.764+/-75.939 χ^2/NDF: 172.8/111

- sign -140.014+/-108.694 χ^2/NDF: 64.0/56



Right In: 1377.224+/-0.239 χ^2/NDF: 3253733.6/29

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1473.066+/-0.250 χ^2/NDF: 3139900.6/33

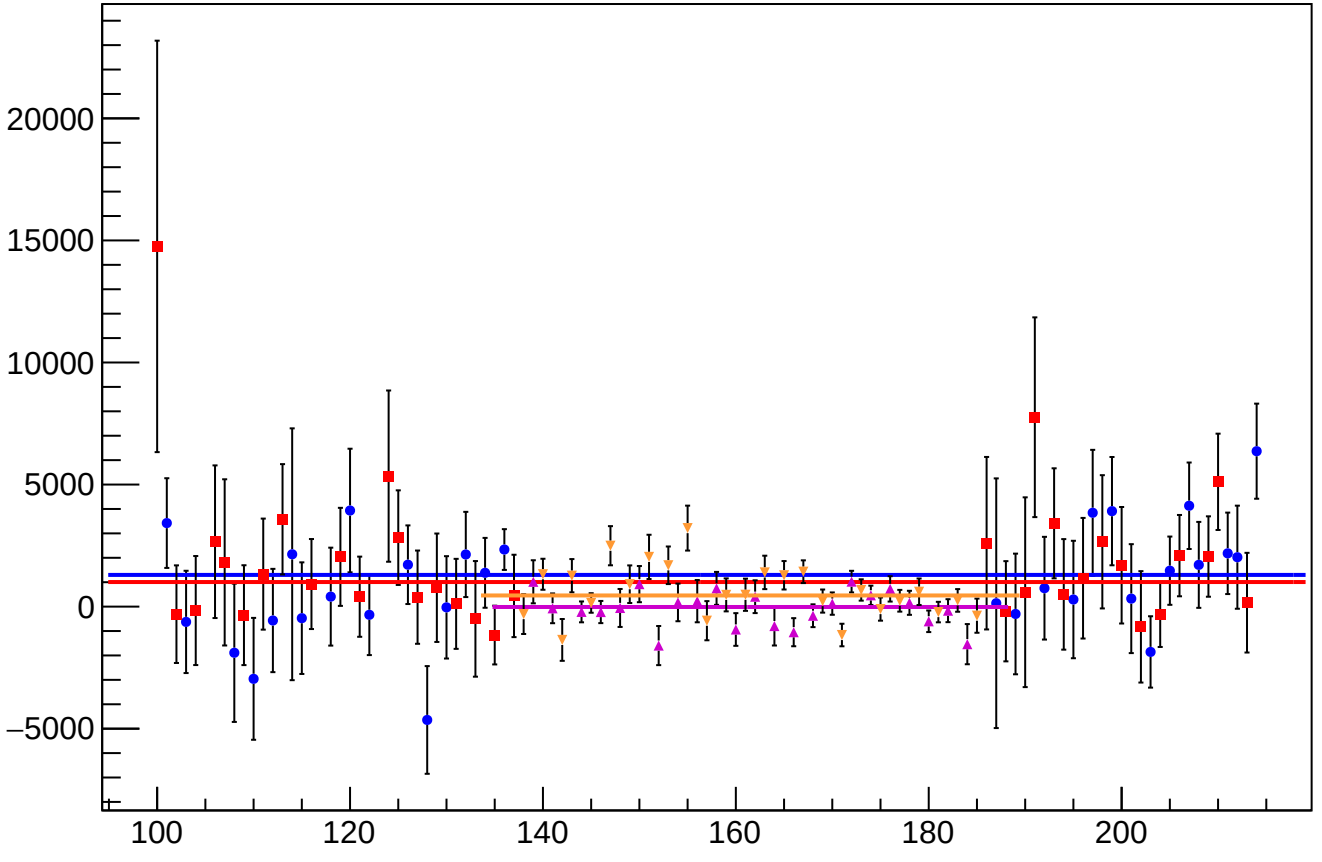
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 563.022+/-0.075 χ^2/NDF: 18618191.4/54

All: 564.515+/-0.054 χ^2/NDF: 38496894.1/11

- sign 566.081+/-0.077 χ^2/NDF: 19877892.0/56

asym_sam_3726_avg_mean vs Slug



Right In: 1298.713+/-338.486 χ^2/NDF: 37.3/29

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1006.844+/-357.540 χ^2/NDF: 24.3/33

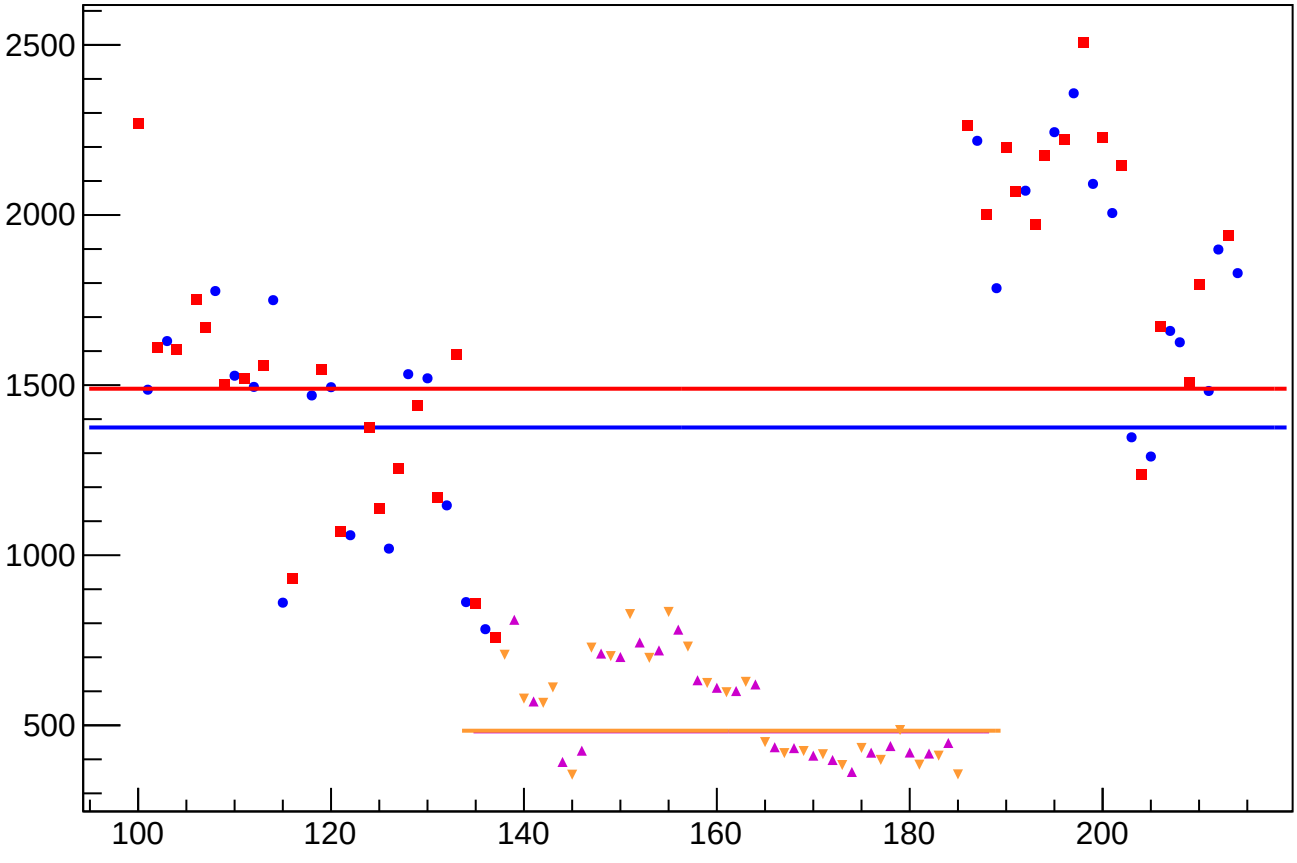
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 543.481+/-108.336 χ^2/NDF: 102.2/54

All: 318.856+/-77.510 χ^2/NDF: 172.9/111

- sign 83.302+/-110.941 χ^2/NDF: 61.9/56

asym_sam_3726_avg_rms vs Slug



Right In: 1375.481+/-0.239 χ^2/NDF: 3289794.6/29

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

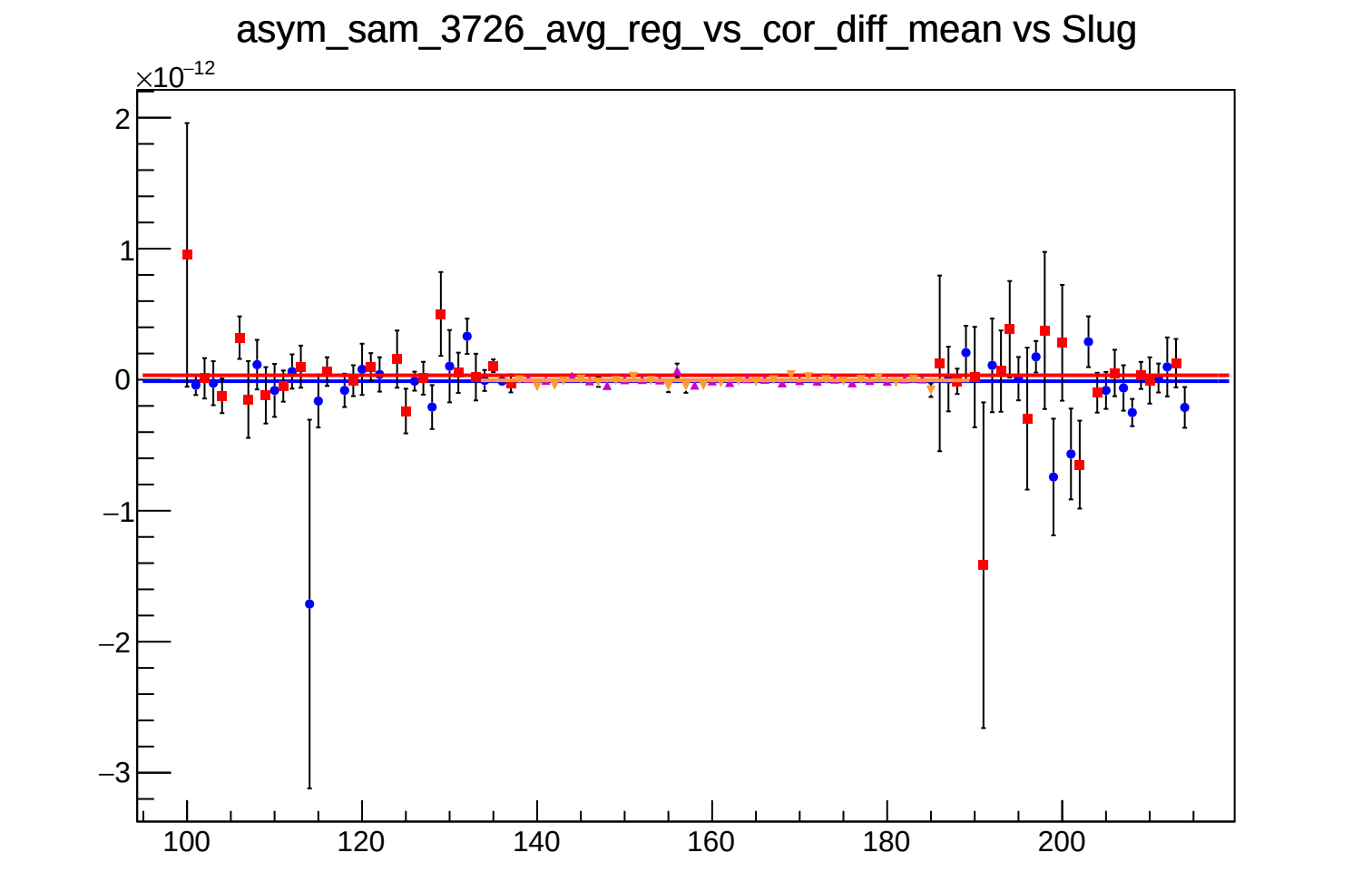
Right Out: 1489.395+/-0.253 χ^2/NDF: 3110176.4/33

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 575.437+/-0.077 χ^2/NDF: 18286605.3/54

All: 577.242+/-0.055 χ^2/NDF: 37928849.6/11

- sign 579.136+/-0.078 χ^2/NDF: 19641106.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/33

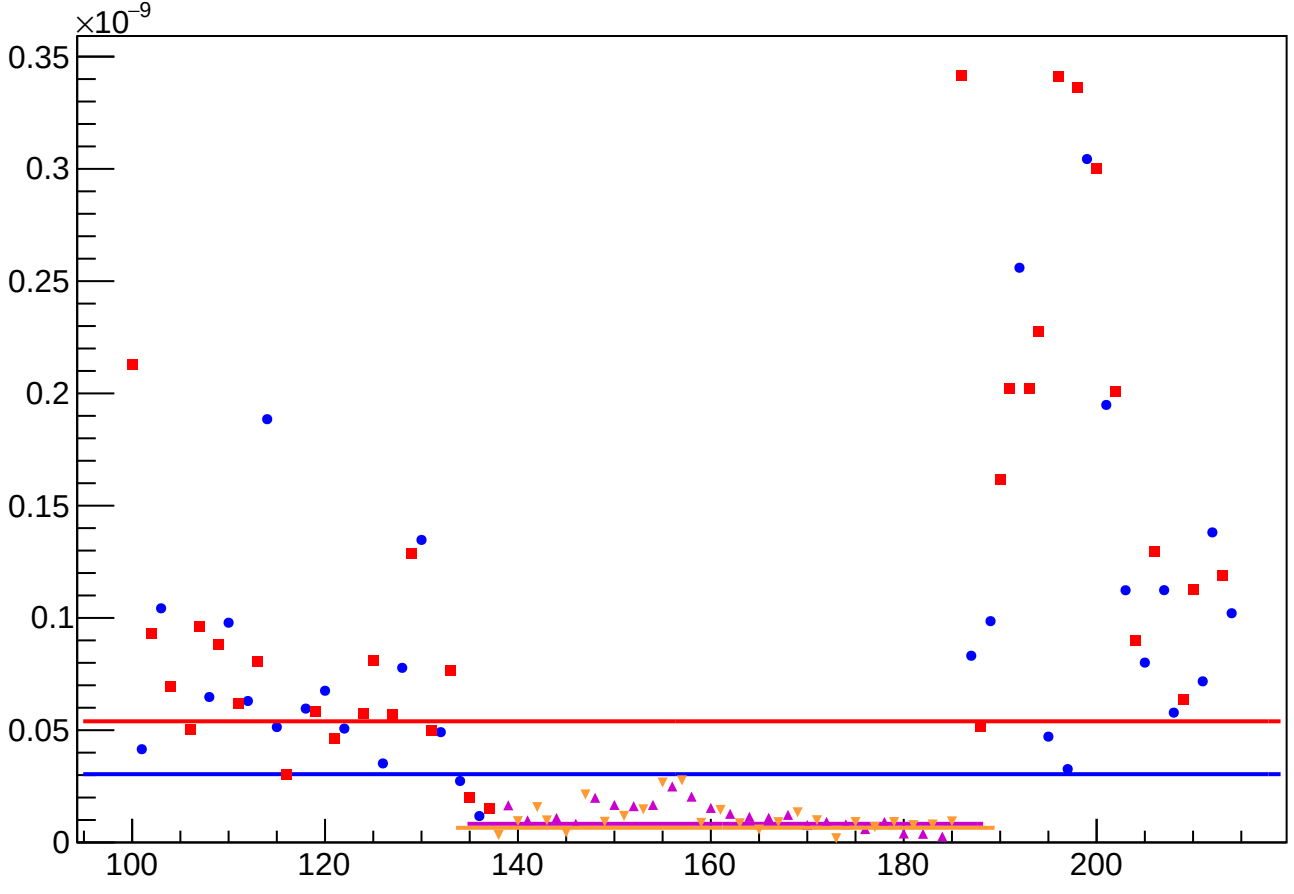
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.8/54

All: -0.000+/-0.000 χ^2/NDF: 103.8/111

- sign -0.000+/-0.000 χ^2/NDF: 41.9/56

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7954019.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6704730.1/33

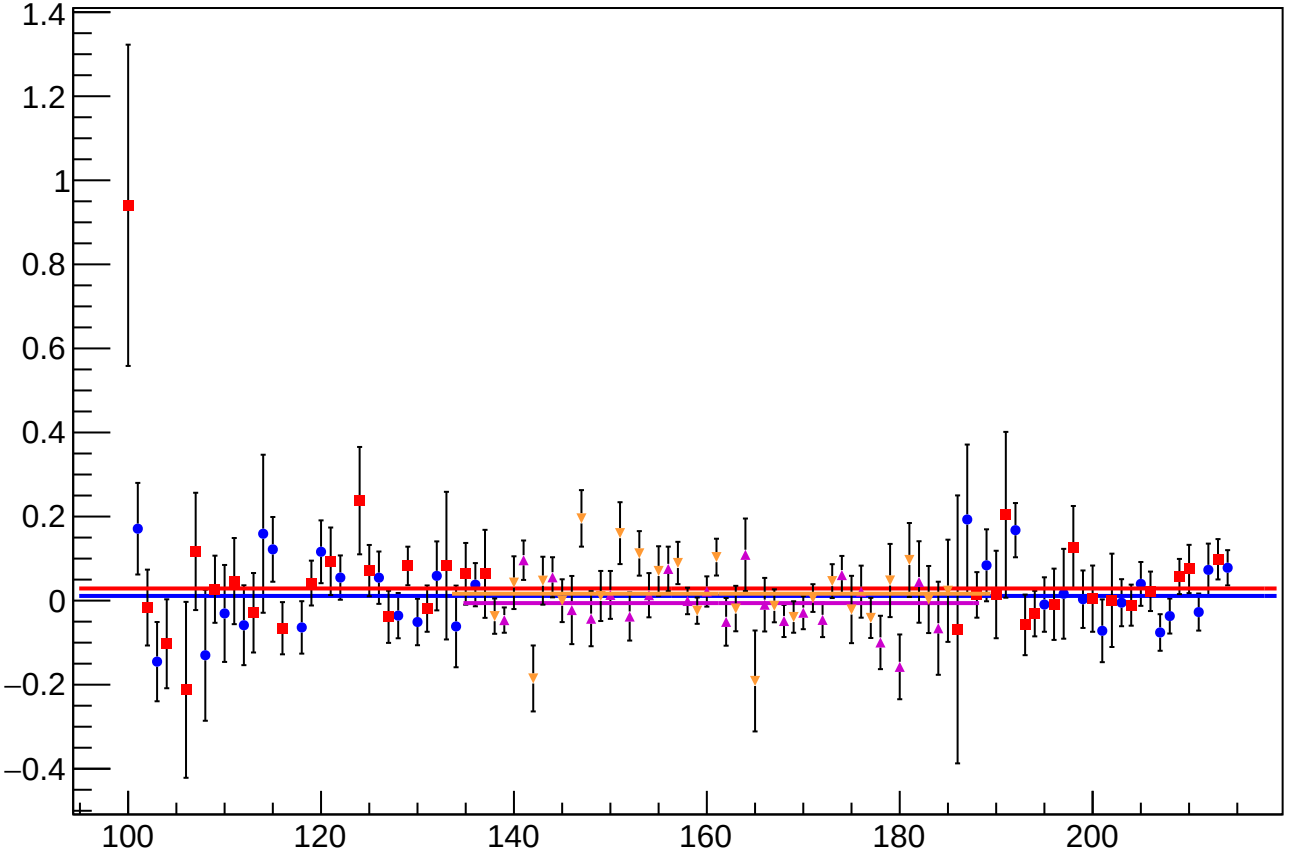
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15902351.8/54

All: 0.000+/-0.000 χ^2/NDF: 32861894.4/111

- sign 0.000+/-0.000 χ^2/NDF: 16619787.4/56

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.011+/-0.012 χ^2/NDF: 35.8/29

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.029+/-0.012 χ^2/NDF: 28.4/33

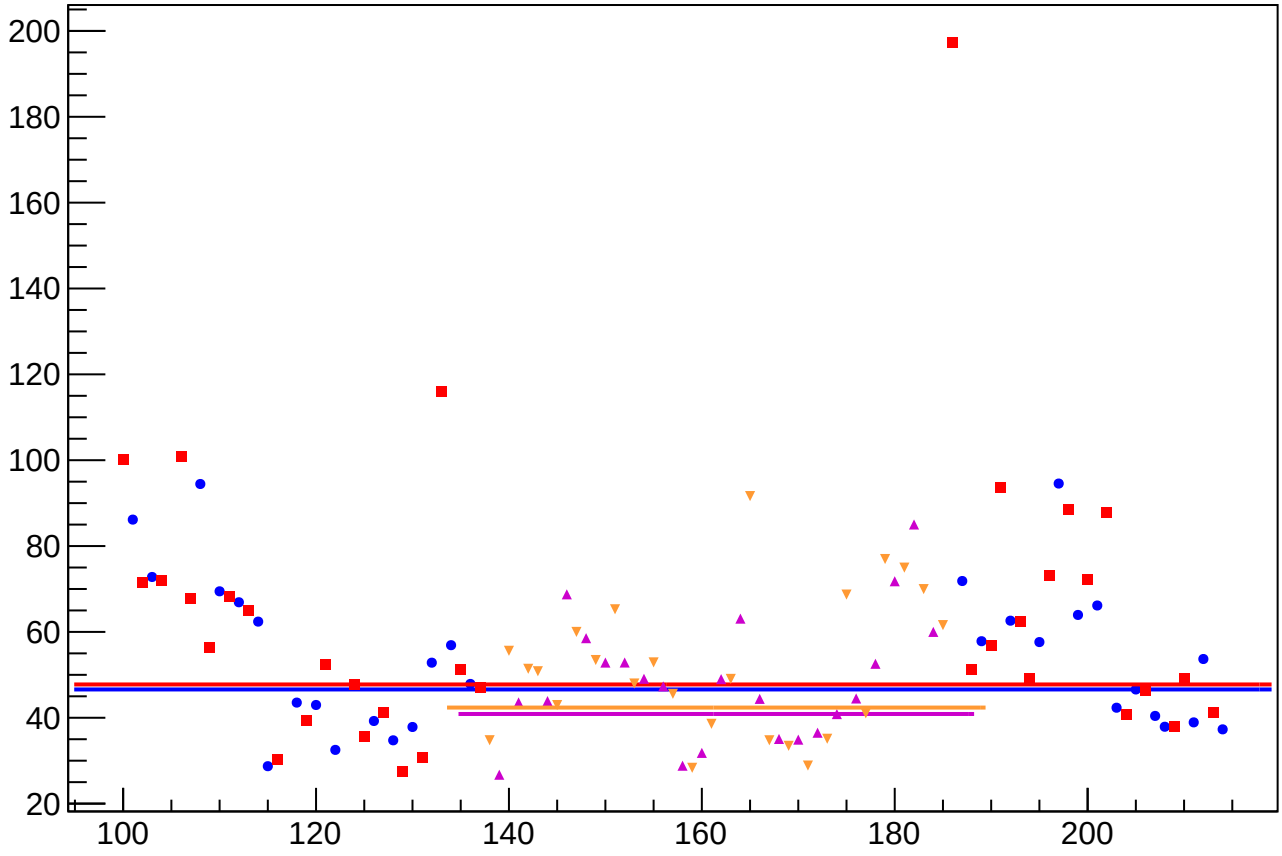
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.014+/-0.008 χ^2/NDF: 77.0/54

All: 0.011+/-0.006 χ^2/NDF: 136.4/111

- sign 0.009+/-0.008 χ^2/NDF: 59.2/56

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 46.594+/-0.008 χ^2/NDF: 2509045.2/29

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

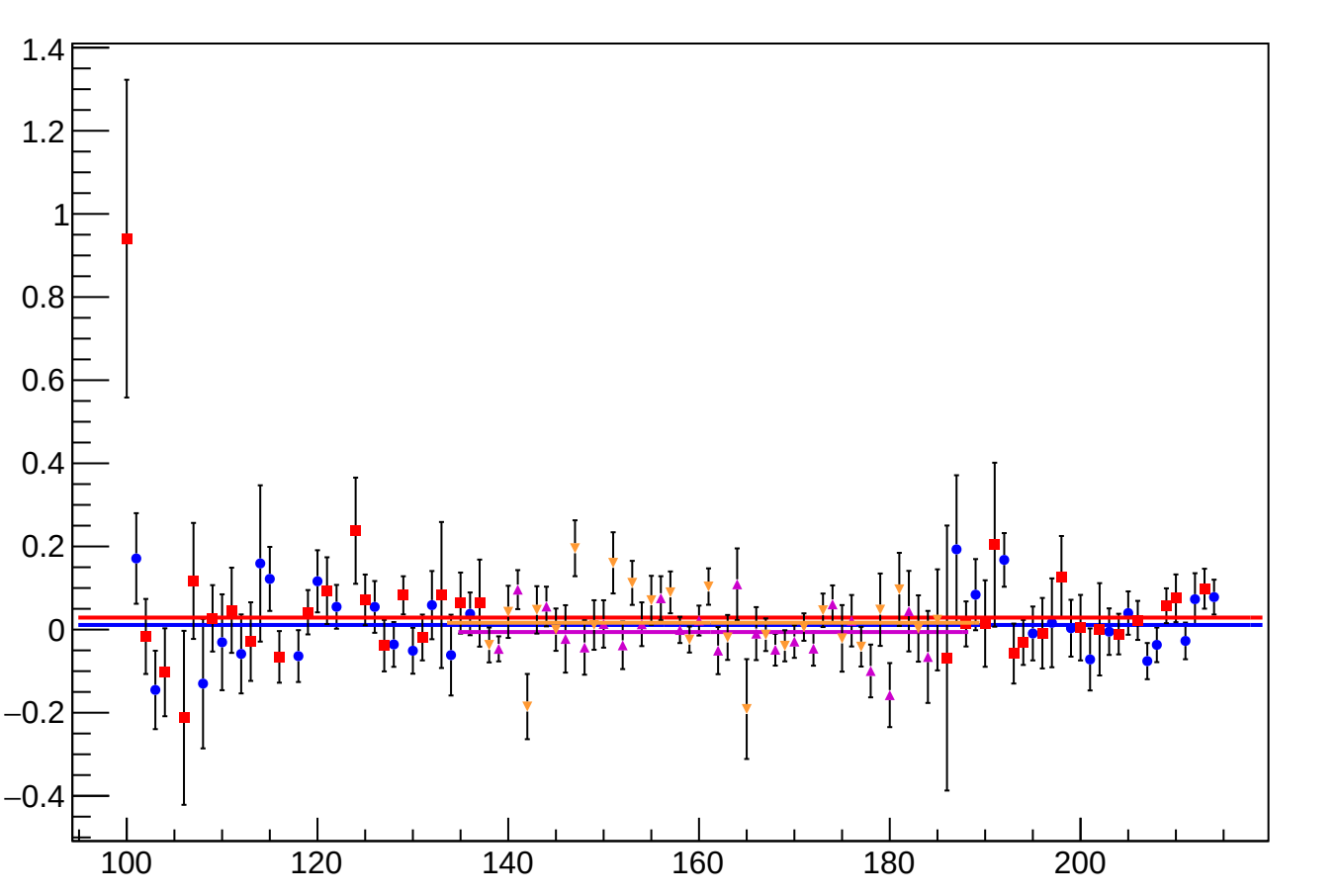
Right Out: 47.758+/-0.009 χ^2/NDF: 3641979.2/33

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.217+/-0.005 χ^2/NDF: 5845163.1/54

All: 43.988+/-0.004 χ^2/NDF: 12542986.4/11

- sign 43.755+/-0.006 χ^2/NDF: 6694326.3/56



Right In: 0.011+/-0.012 χ^2/NDF: 35.8/29

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

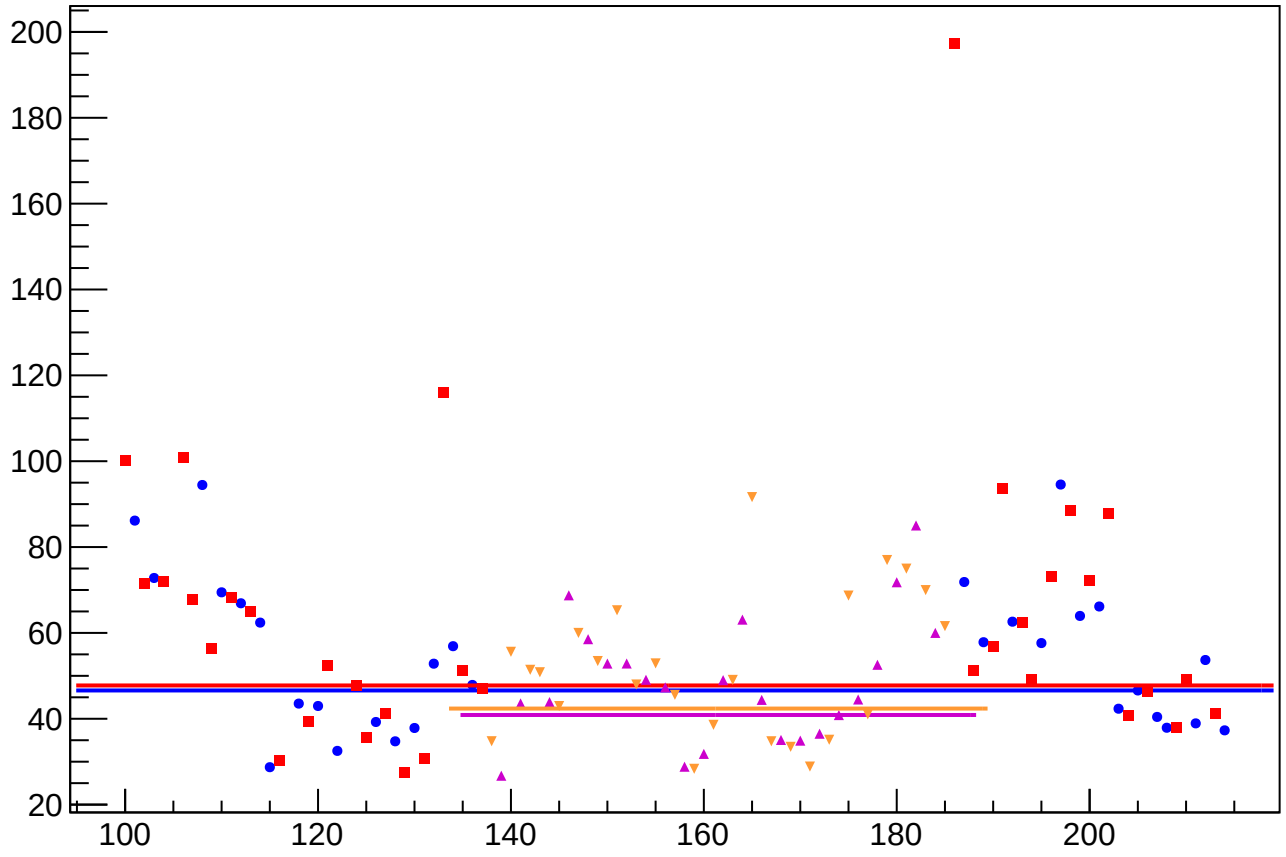
Right Out: 0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.014+/-0.008 χ^2/NDF: 77.0/54

All: 0.011+/-0.006 χ^2/NDF: 136.4/111

- sign 0.009+/-0.008 χ^2/NDF: 59.2/56



Right In: 46.594+/-0.008 χ^2/NDF: 2509045.2/29

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

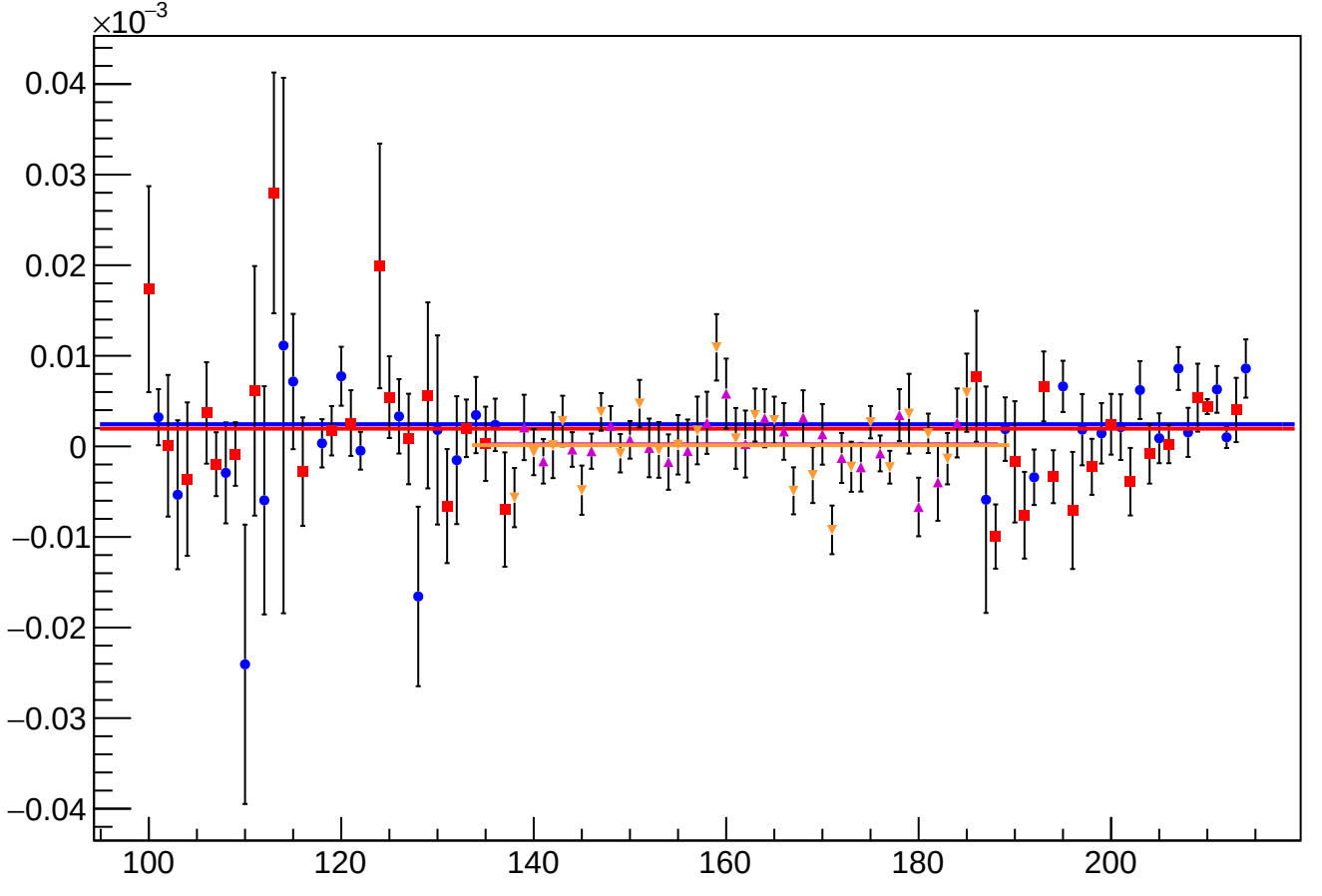
Right Out: 47.758+/-0.009 χ^2/NDF: 3641979.2/33

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.217+/-0.005 χ^2/NDF: 5845163.1/54

All: 43.988+/-0.004 χ^2/NDF: 12542986.4/11

- sign 43.755+/-0.006 χ^2/NDF: 6694326.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

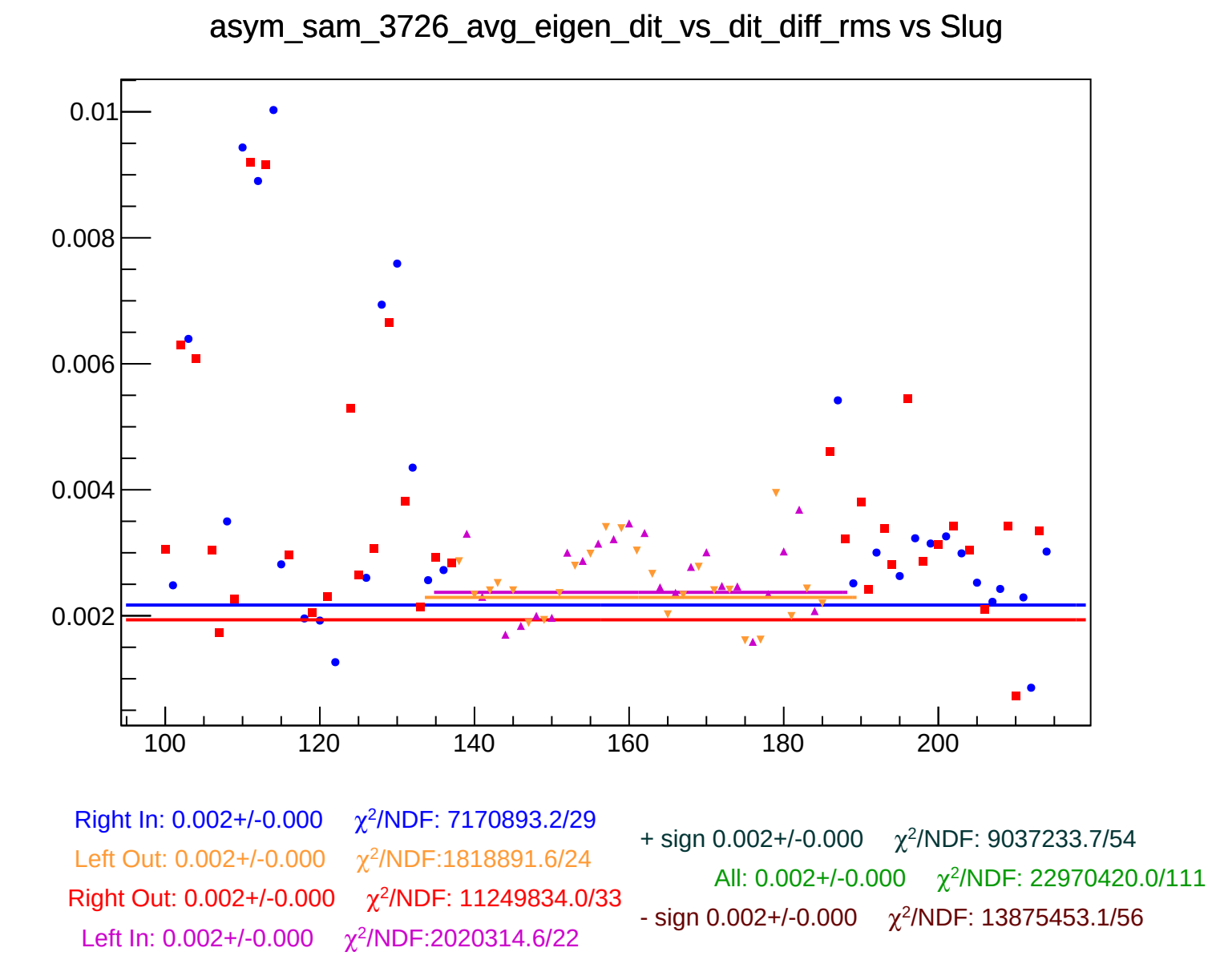
Right Out: 0.000+/-0.000 χ^2/NDF: 54.1/33

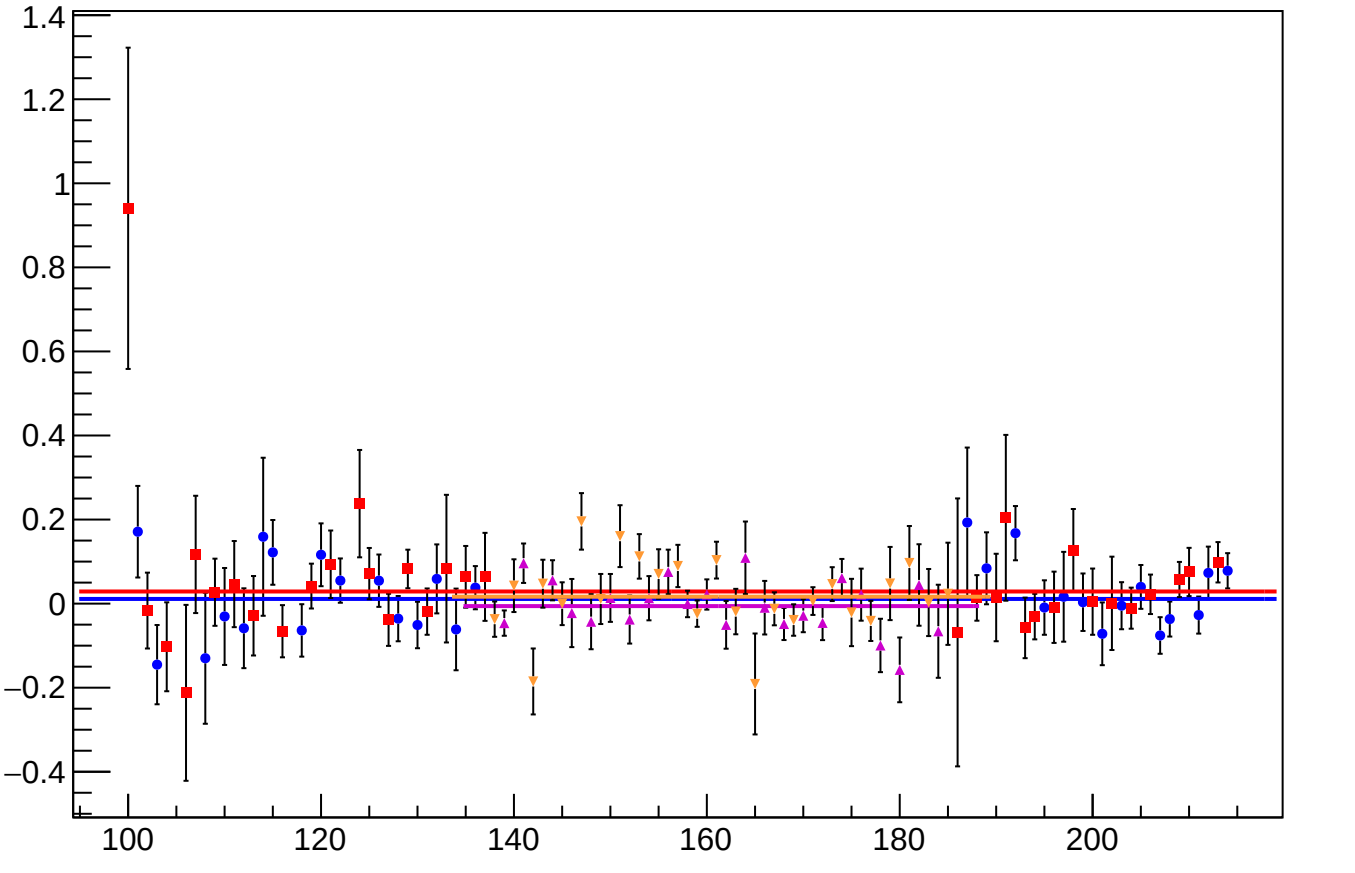
Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 96.0/54

All: 0.000+/-0.000 χ^2/NDF: 170.6/111

- sign 0.000+/-0.000 χ^2/NDF: 74.7/56


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 7170893.2/29
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.002+/-0.000 χ²/NDF: 11249834.0/33
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
+ sign 0.002+/-0.000 χ²/NDF: 9037233.7/54
All: 0.002+/-0.000 χ²/NDF: 22970420.0/111
- sign 0.002+/-0.000 χ²/NDF: 13875453.1/56



Right In: 0.011+/-0.012 χ^2/NDF: 35.8/29

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

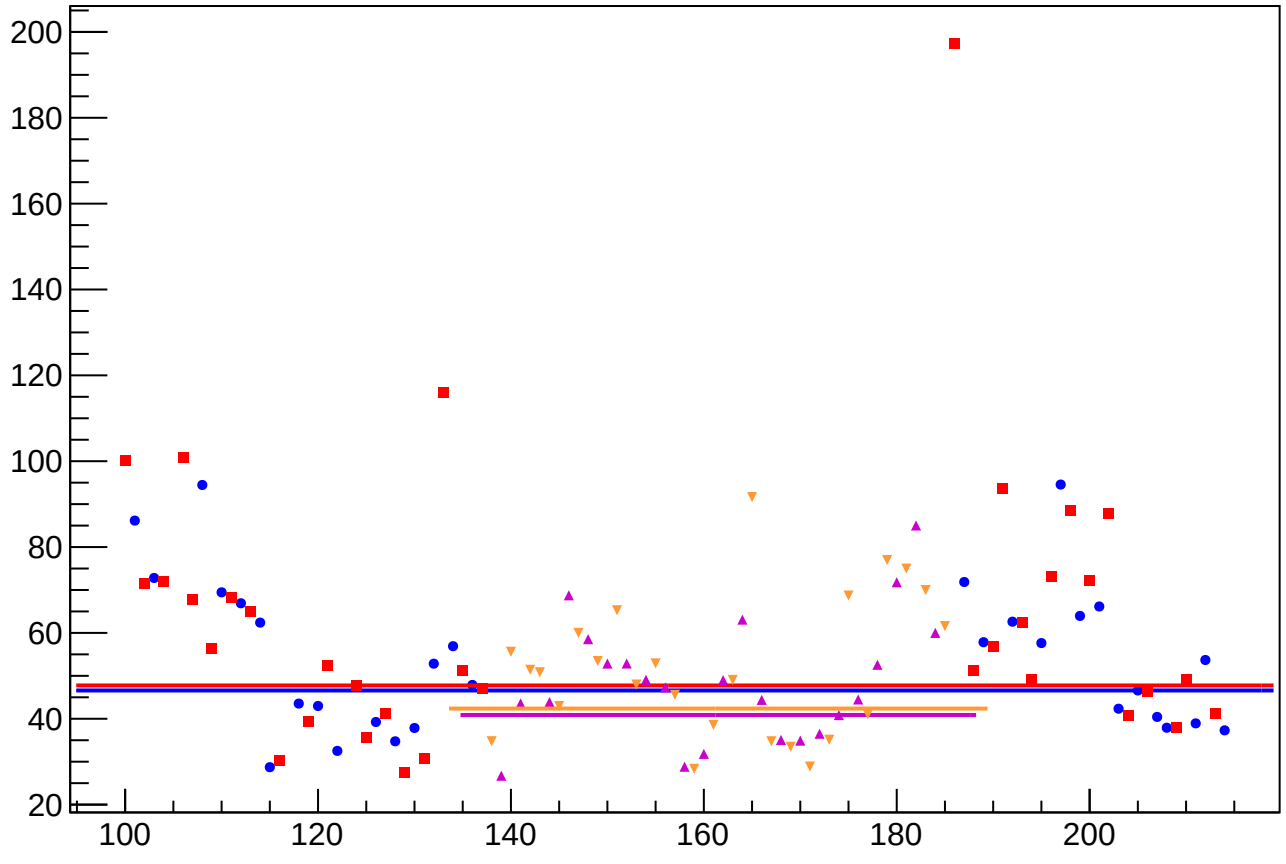
Right Out: 0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.014+/-0.008 χ^2/NDF: 77.0/54

All: 0.011+/-0.006 χ^2/NDF: 136.4/111

- sign 0.009+/-0.008 χ^2/NDF: 59.2/56



Right In: 46.594+/-0.008 χ^2/NDF: 2509019.9/29

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 47.758+/-0.009 χ^2/NDF: 3641904.9/33

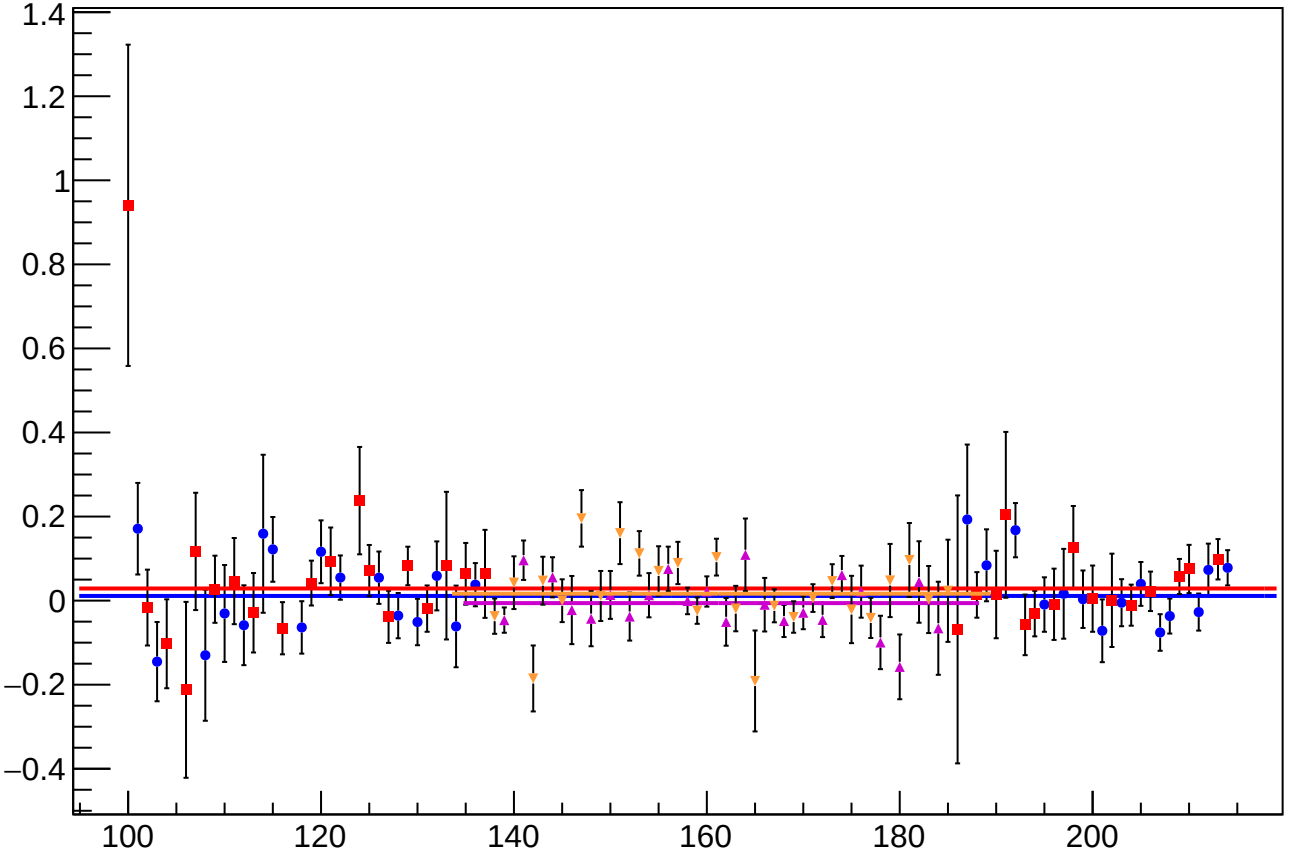
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.217+/-0.005 χ^2/NDF: 5845138.2/54

All: 43.989+/-0.004 χ^2/NDF: 12542871.2/11

- sign 43.756+/-0.006 χ^2/NDF: 6694237.8/56

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.011+/-0.012 χ^2/NDF: 35.8/29

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

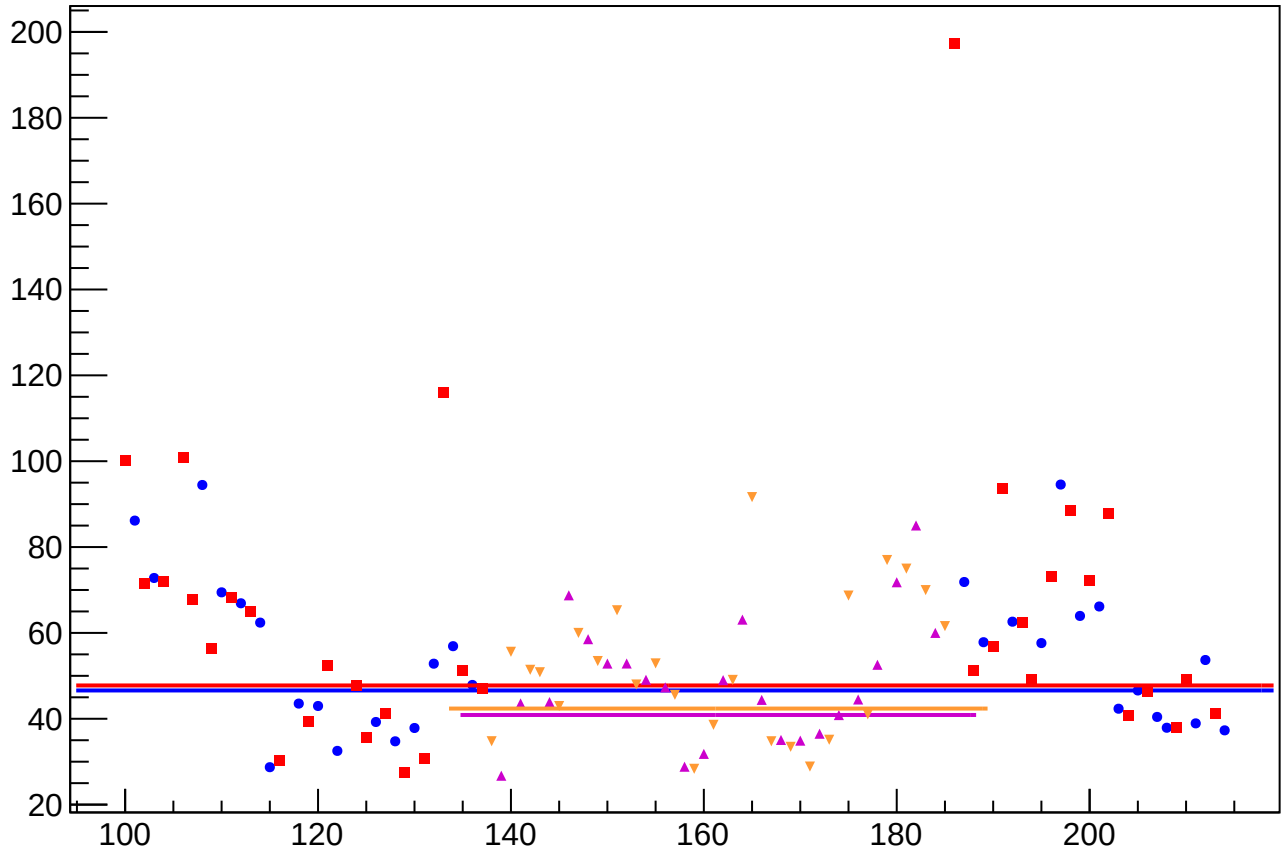
Right Out: 0.029+/-0.012 χ^2/NDF: 28.4/33

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.014+/-0.008 χ^2/NDF: 77.0/54

All: 0.011+/-0.006 χ^2/NDF: 136.4/111

- sign 0.009+/-0.008 χ^2/NDF: 59.2/56



Right In: 46.594+/-0.008 χ^2/NDF: 2509019.9/29

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

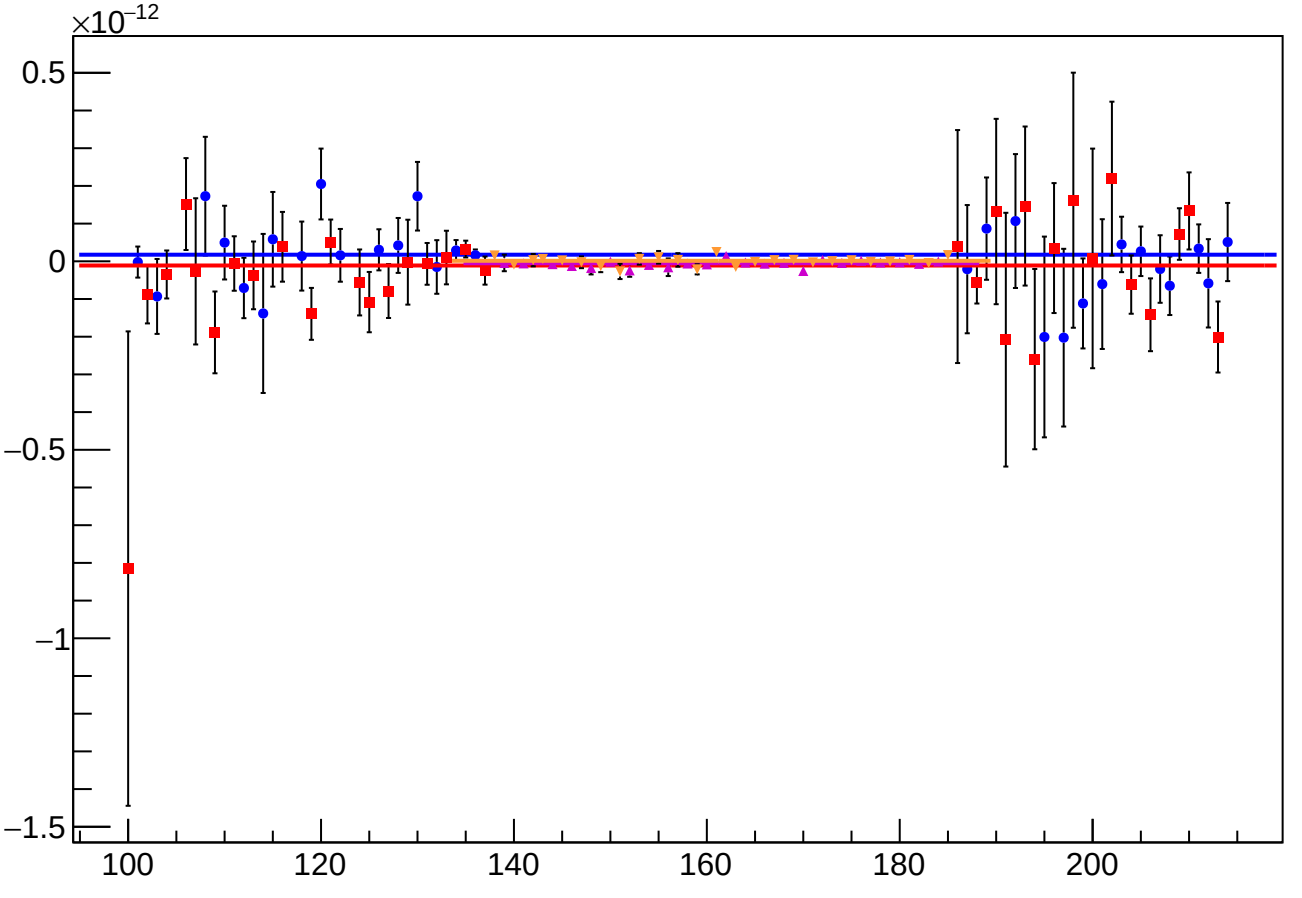
Right Out: 47.758+/-0.009 χ^2/NDF: 3641904.9/33

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.217+/-0.005 χ^2/NDF: 5845138.2/54

All: 43.989+/-0.004 χ^2/NDF: 12542871.2/11

- sign 43.756+/-0.006 χ^2/NDF: 6694237.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

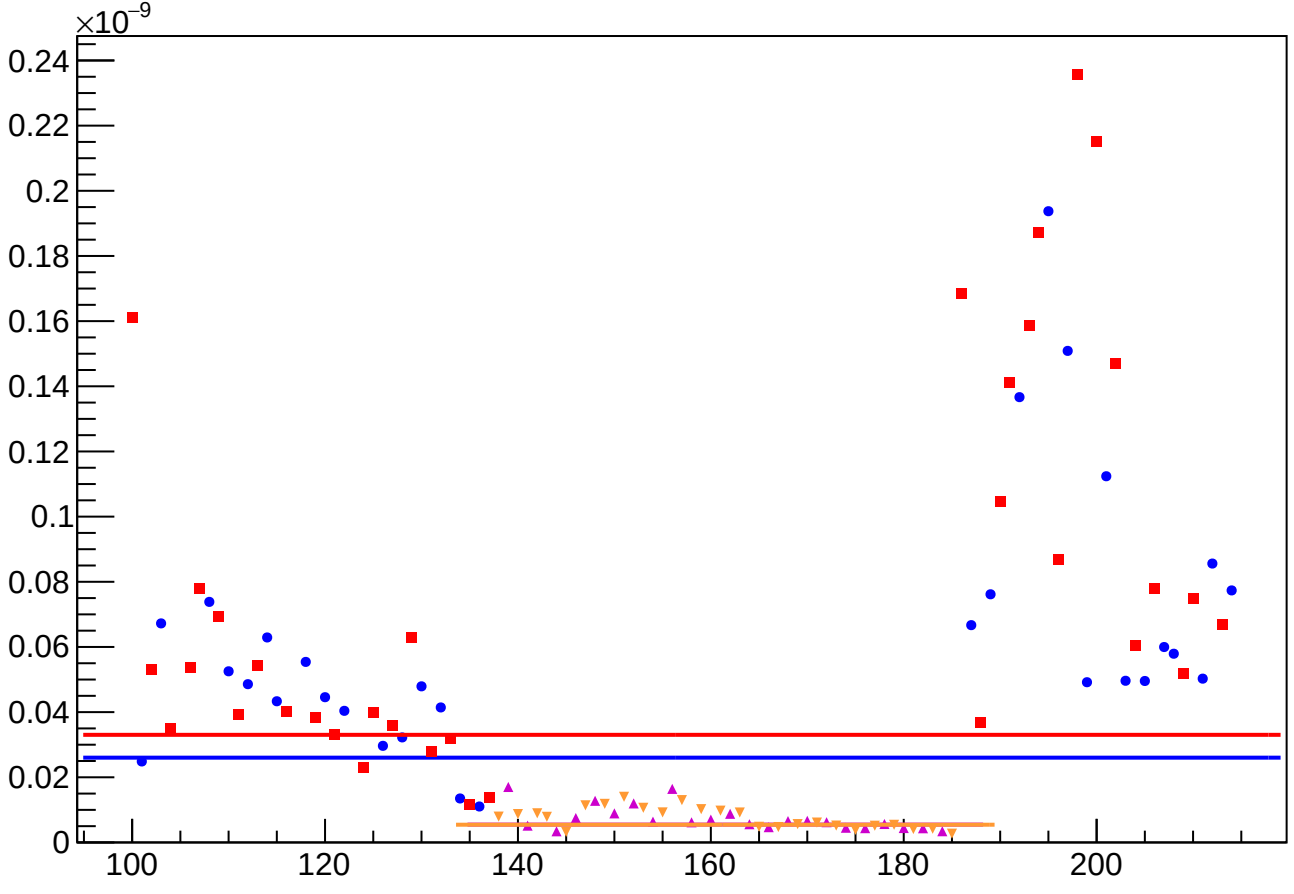
Right Out: -0.000+/-0.000 χ^2/NDF: 33.3/33

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/54

All: -0.000+/-0.000 χ^2/NDF: 94.4/111

- sign -0.000+/-0.000 χ^2/NDF: 46.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 9371225.0/29

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9361422.1/33

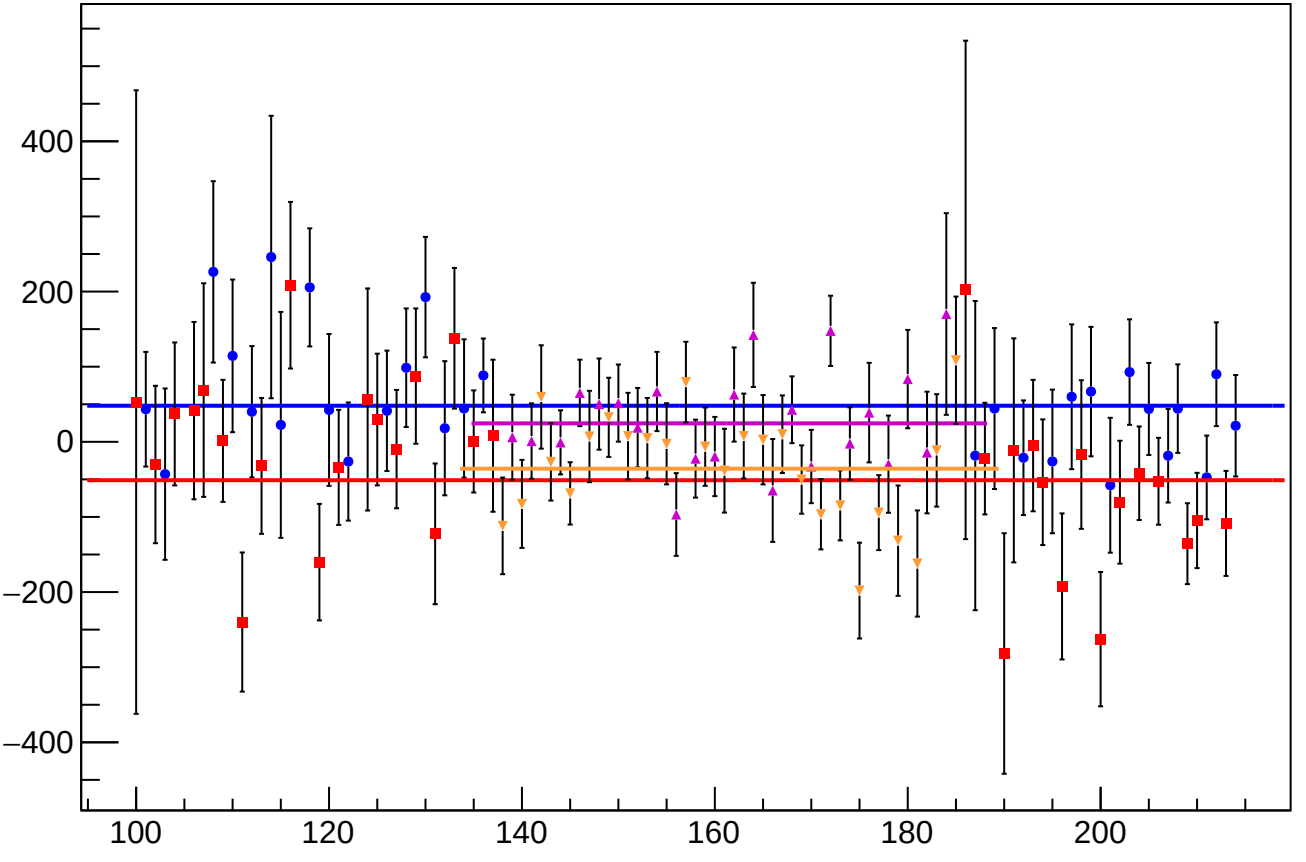
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 20883669.8/54

All: 0.000+/-0.000 χ^2/NDF: 42722625.0/111

- sign 0.000+/-0.000 χ^2/NDF: 21838603.5/56

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 48.036+/-14.597 χ^2/NDF: 21.8/29

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -51.121+/-14.865 χ^2/NDF: 39.0/33

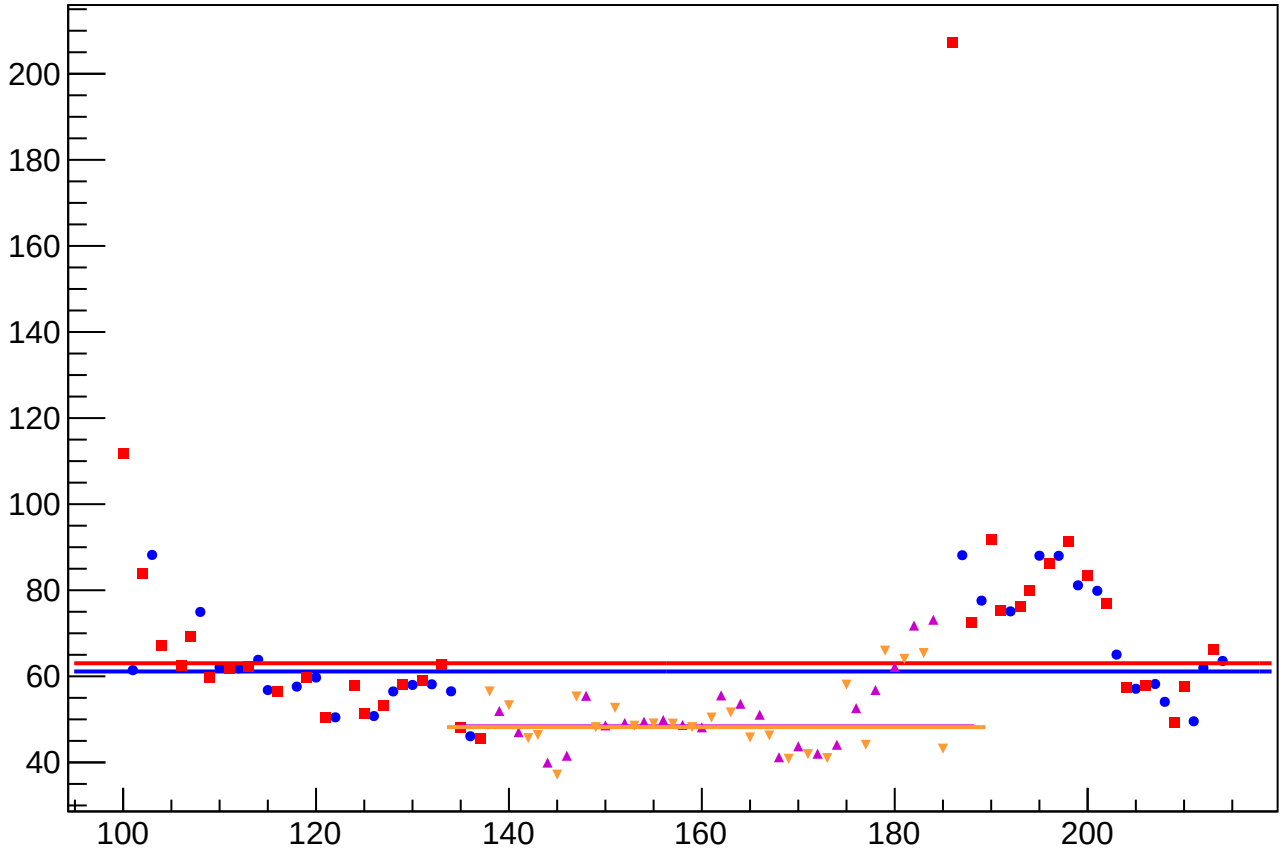
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign -5.007+/-8.845 χ^2/NDF: 76.3/54

All: -4.361+/-6.336 χ^2/NDF: 157.3/111

- sign -3.680+/-9.081 χ^2/NDF: 81.0/56

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.128+/-0.010 χ^2/NDF: 1215491.0/29

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

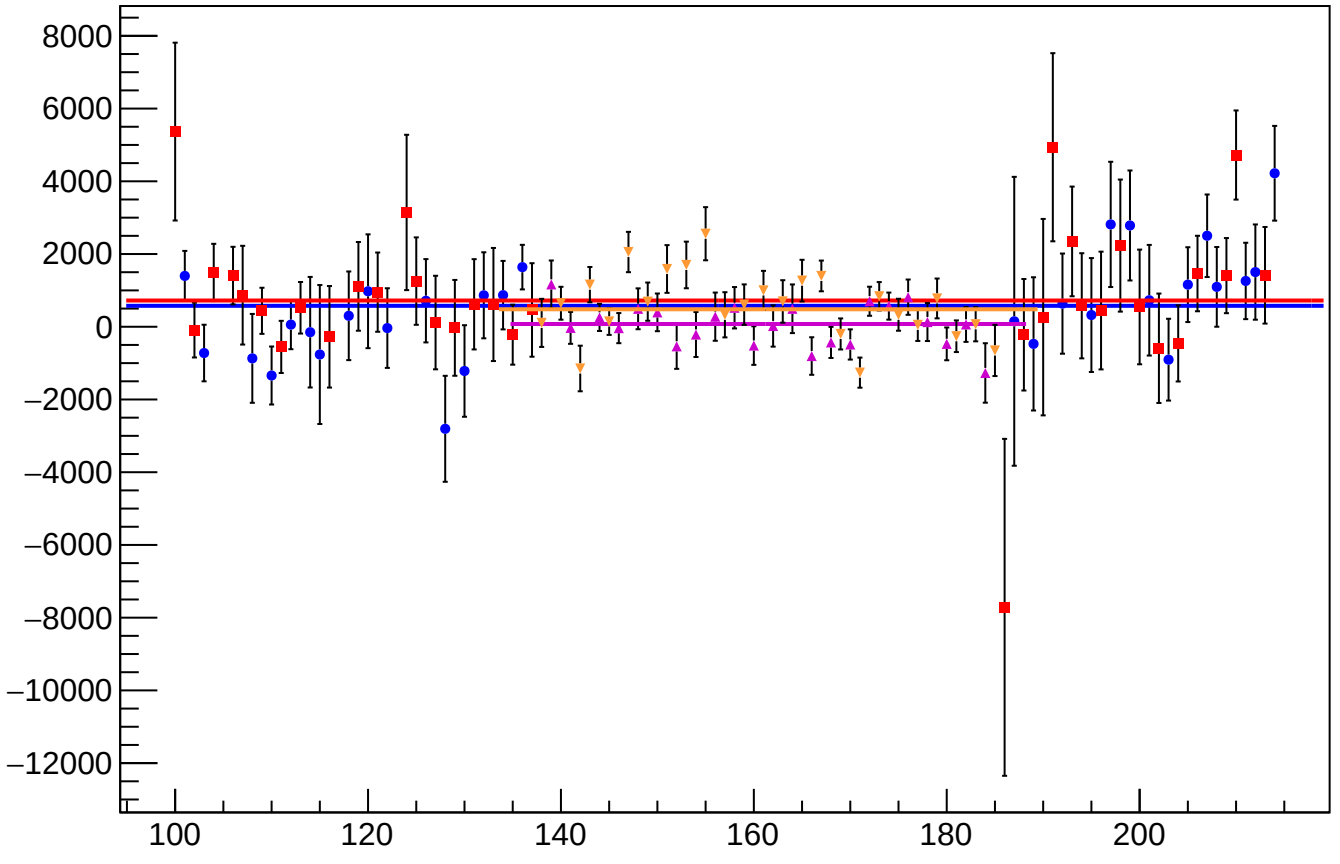
Right Out: 63.038+/-0.011 χ^2/NDF: 1652825.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.946+/-0.006 χ^2/NDF: 2988686.6/54

All: 53.387+/-0.004 χ^2/NDF: 6565866.2/111

- sign 53.851+/-0.006 χ^2/NDF: 3566978.7/56



Right In: 576.120+/-199.561 χ^2/NDF: 41.8/29

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 721.858+/-193.960 χ^2/NDF: 36.2/33

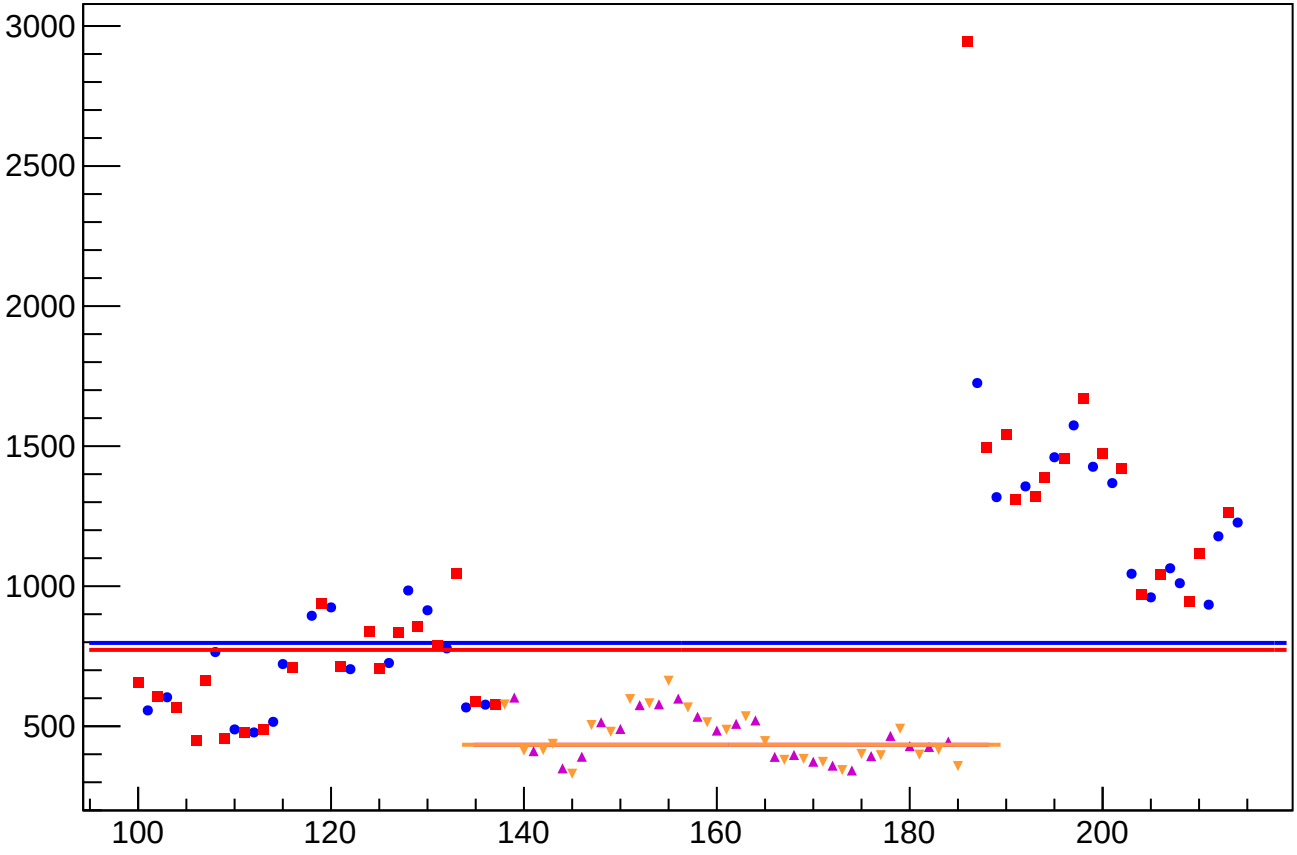
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 499.625+/-89.778 χ^2/NDF: 111.2/54

All: 360.844+/-63.930 χ^2/NDF: 185.4/111

- sign 218.081+/-91.057 χ^2/NDF: 69.3/56

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 797.494+/-0.141 χ^2/NDF: 4411974.8/29

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 772.586+/-0.137 χ^2/NDF: 6082802.9/33

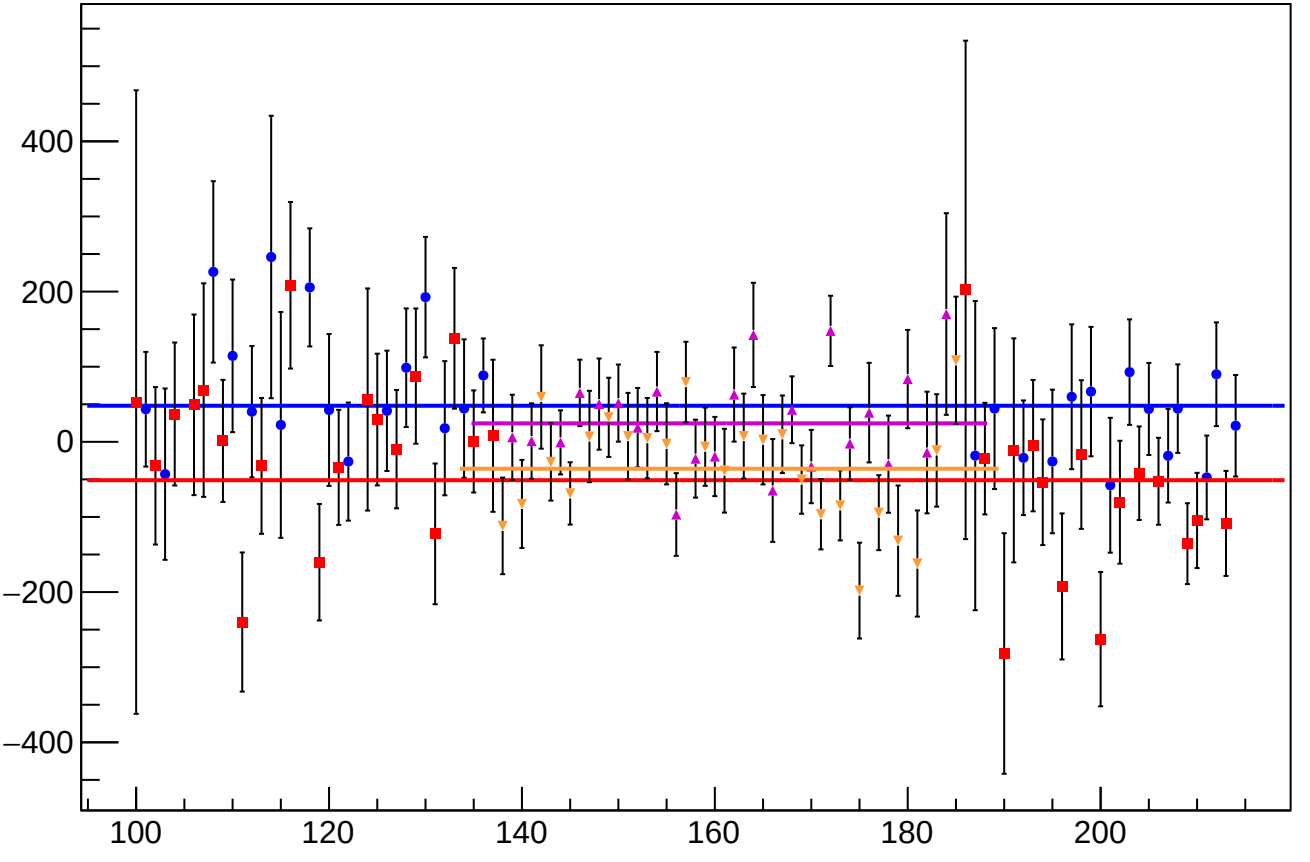
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 507.524+/-0.063 χ^2/NDF: 10949814.2/54

All: 507.959+/-0.045 χ^2/NDF: 22886638.1/11

- sign 508.406+/-0.064 χ^2/NDF: 11936728.9/56

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 48.038+/-14.597 χ^2/NDF: 21.8/29

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -51.090+/-14.869 χ^2/NDF: 39.1/33

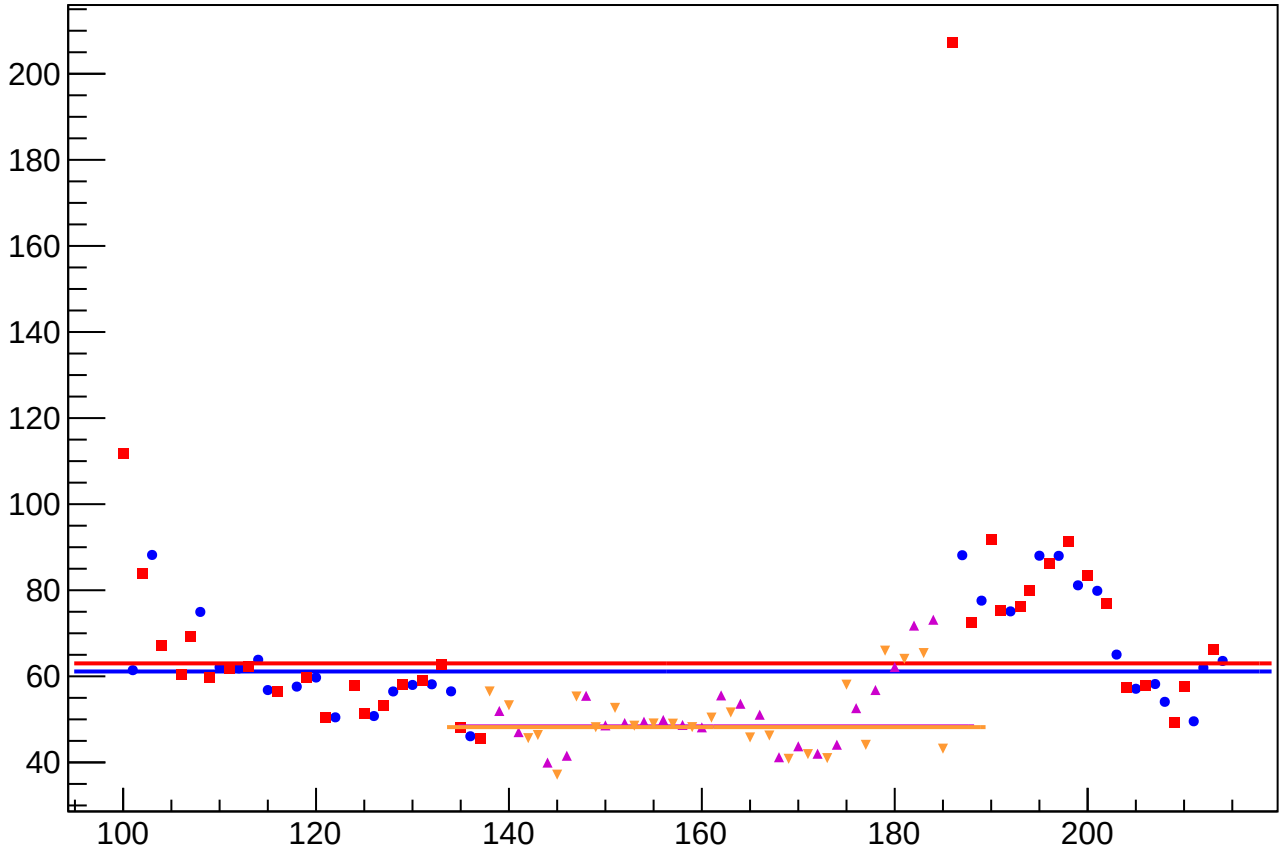
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

\+ sign -5.010+/-8.845 χ^2/NDF: 76.3/54

All: -4.351+/-6.337 χ^2/NDF: 157.4/111

\- sign -3.657+/-9.082 χ^2/NDF: 81.0/56

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.128+/-0.010 χ^2/NDF: 1215494.5/29

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

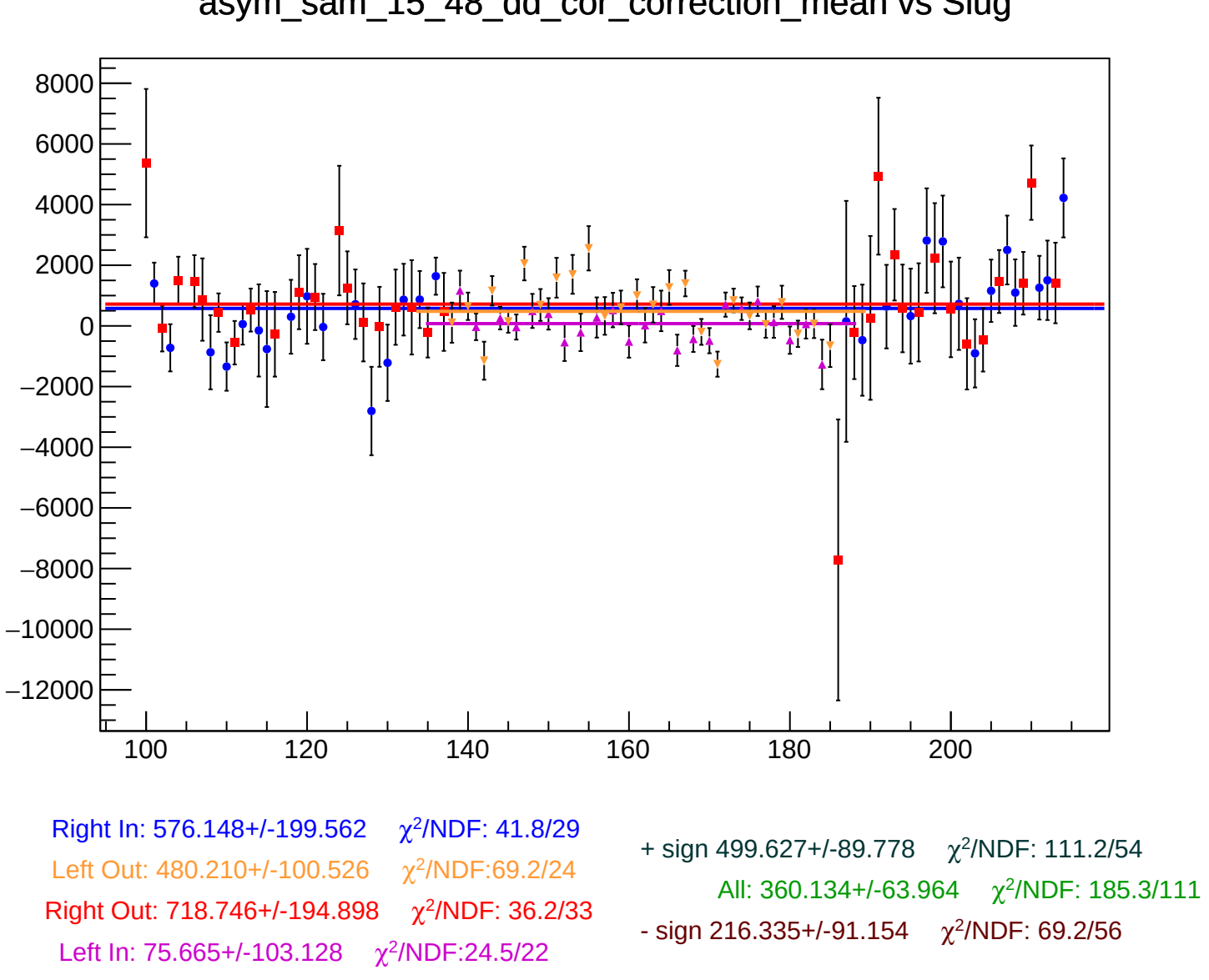
Right Out: 63.007+/-0.011 χ^2/NDF: 1653925.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

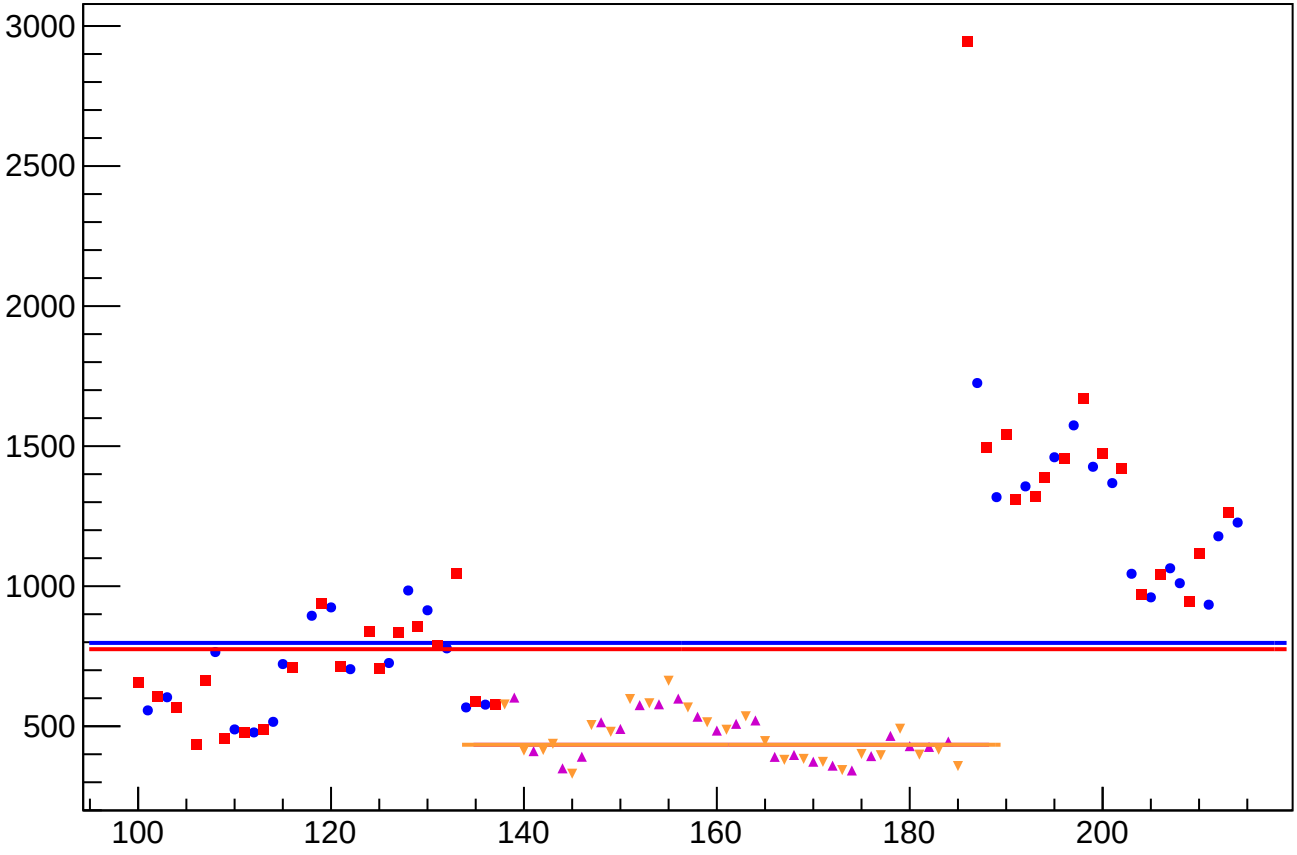
+ sign 52.946+/-0.006 χ^2/NDF: 2988690.5/54

All: 53.380+/-0.004 χ^2/NDF: 6561144.8/111

- sign 53.838+/-0.006 χ^2/NDF: 3562554.9/56


asym_sam_15_48_dd_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 576.148+/-199.562 χ²/NDF: 41.8/29
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 718.746+/-194.898 χ²/NDF: 36.2/33
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 499.627+/-89.778 χ²/NDF: 111.2/54
All: 360.134+/-63.964 χ²/NDF: 185.3/111
- sign 216.335+/-91.154 χ²/NDF: 69.2/56

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 797.499+/-0.141 χ^2/NDF: 4411897.7/29

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 775.070+/-0.138 χ^2/NDF: 6052039.8/33

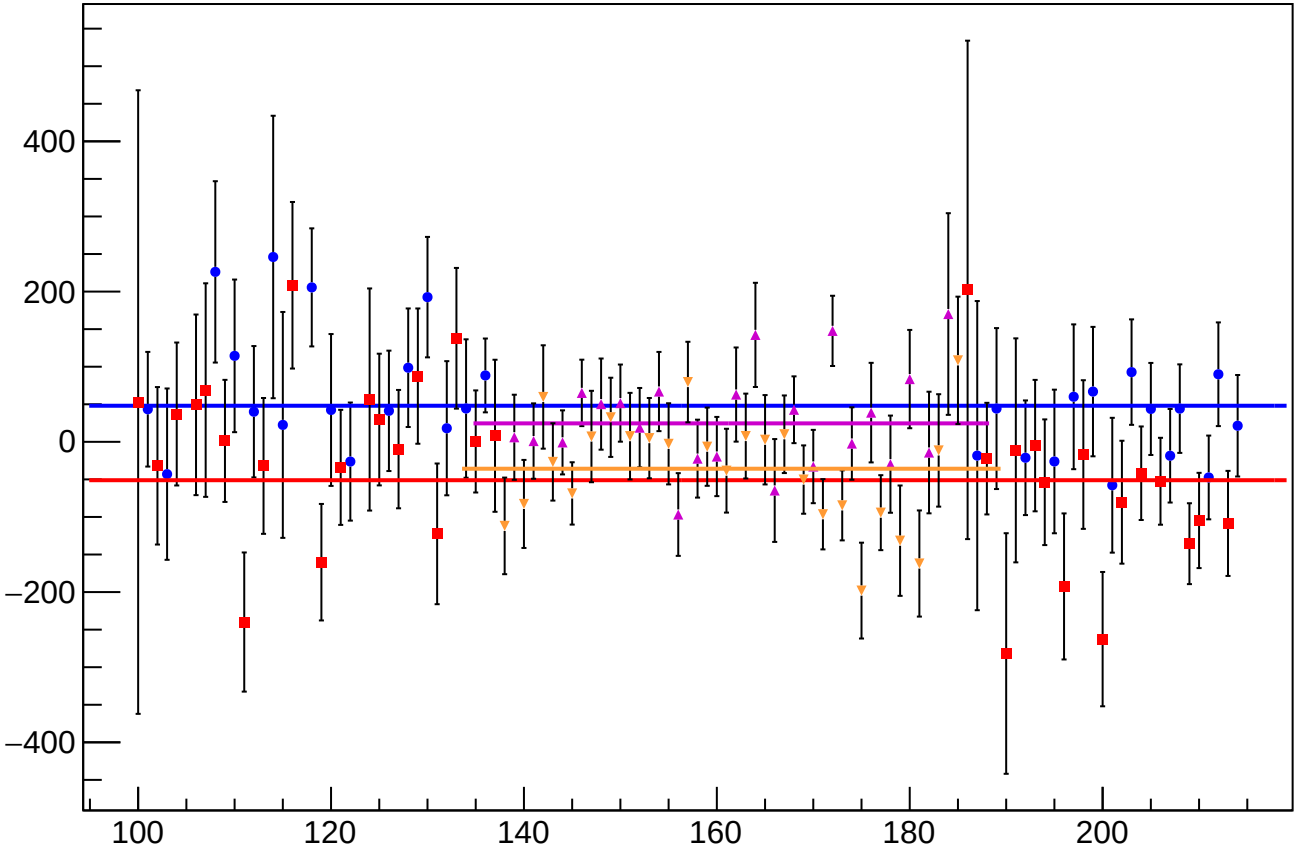
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 507.525+/-0.063 χ^2/NDF: 10949836.7/54

All: 507.951+/-0.045 χ^2/NDF: 22889736.6/11

- sign 508.390+/-0.064 χ^2/NDF: 11939808.6/56

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 48.038+/-14.597 χ^2/NDF: 21.8/29

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -51.090+/-14.869 χ^2/NDF: 39.1/33

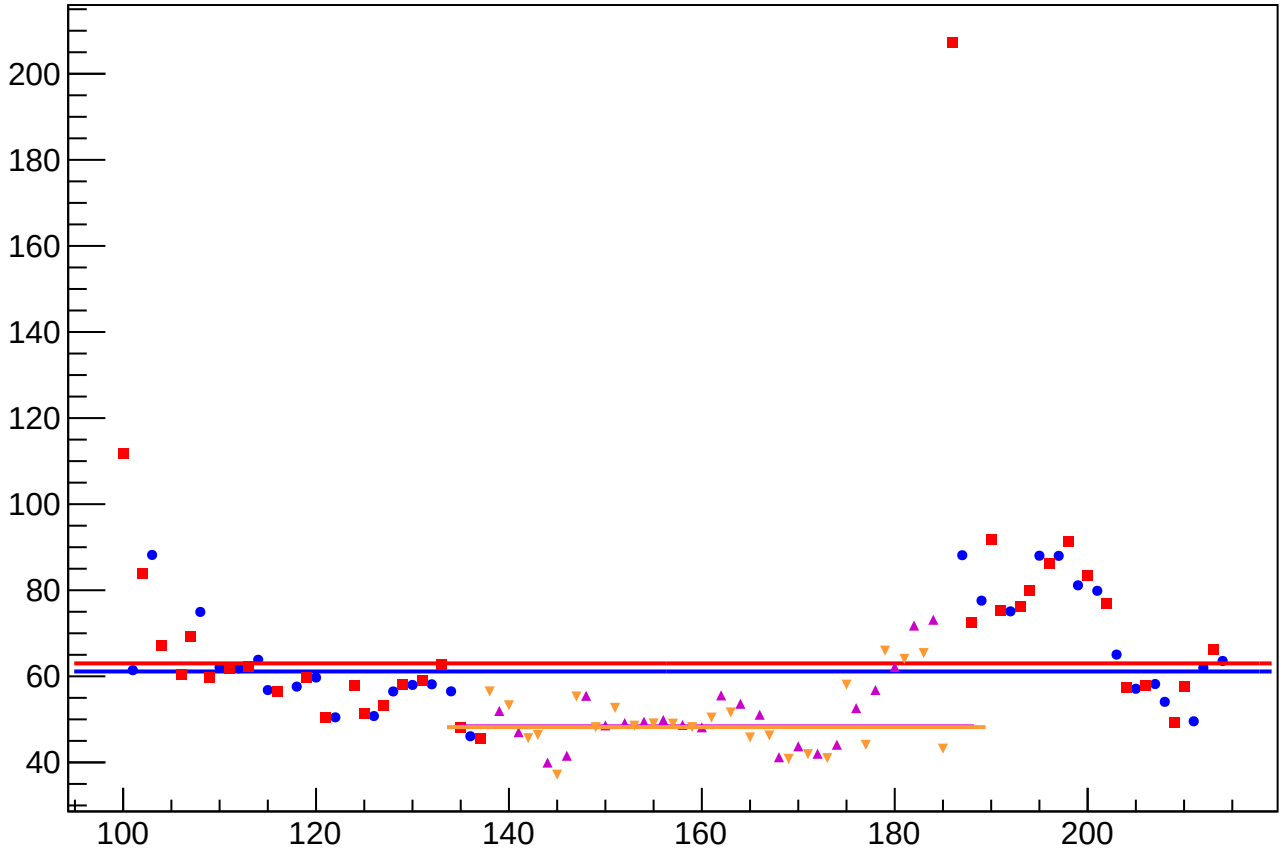
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -5.010+/-8.845 χ^2/NDF: 76.3/54

All: -4.351+/-6.337 χ^2/NDF: 157.4/111

- sign -3.657+/-9.082 χ^2/NDF: 81.0/56

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.128+/-0.010 χ^2/NDF: 1215494.5/29

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

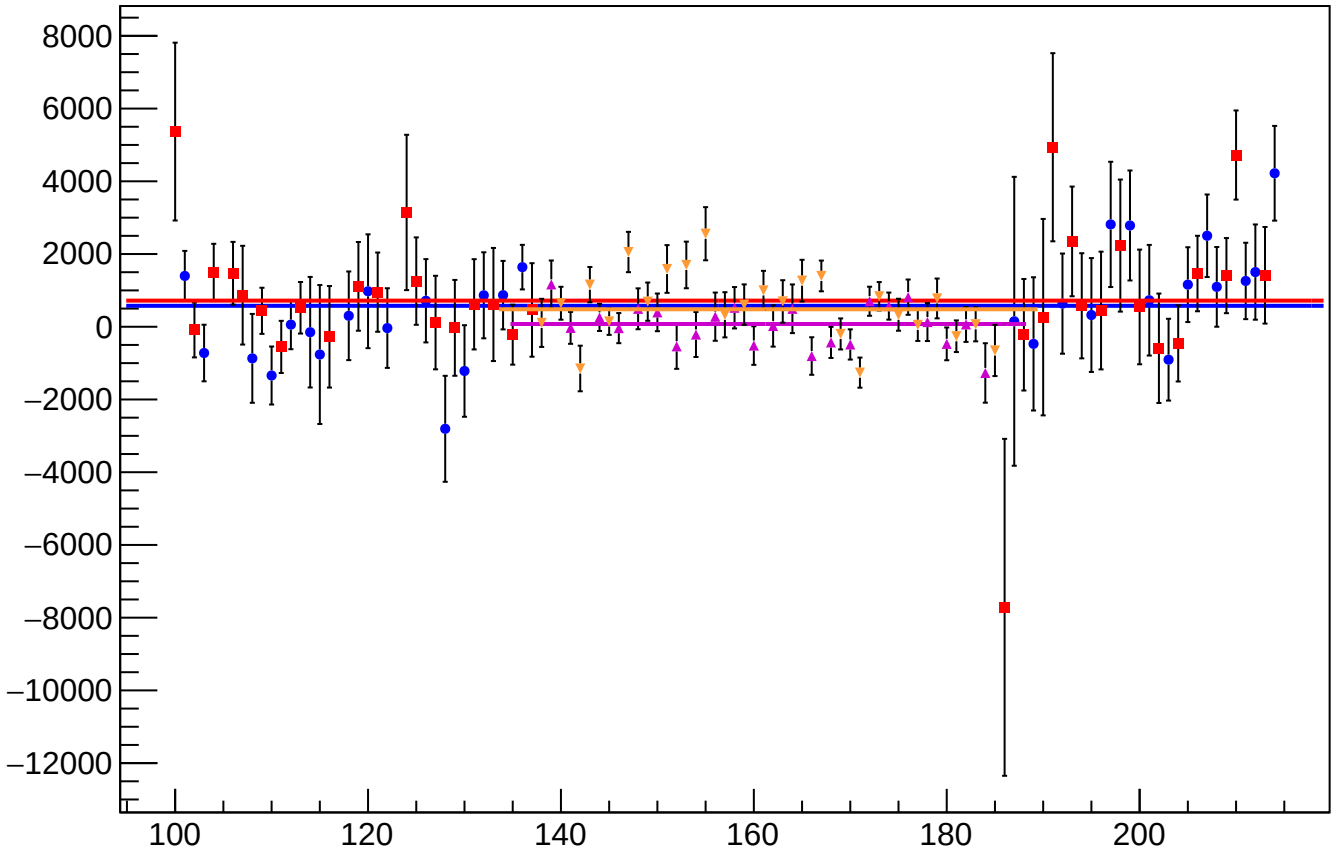
Right Out: 63.007+/-0.011 χ^2/NDF: 1653925.1/33

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.946+/-0.006 χ^2/NDF: 2988690.5/54

All: 53.380+/-0.004 χ^2/NDF: 6561144.8/111

- sign 53.838+/-0.006 χ^2/NDF: 3562554.9/56



Right In: 576.148+/-199.562 χ^2/NDF: 41.8/29

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

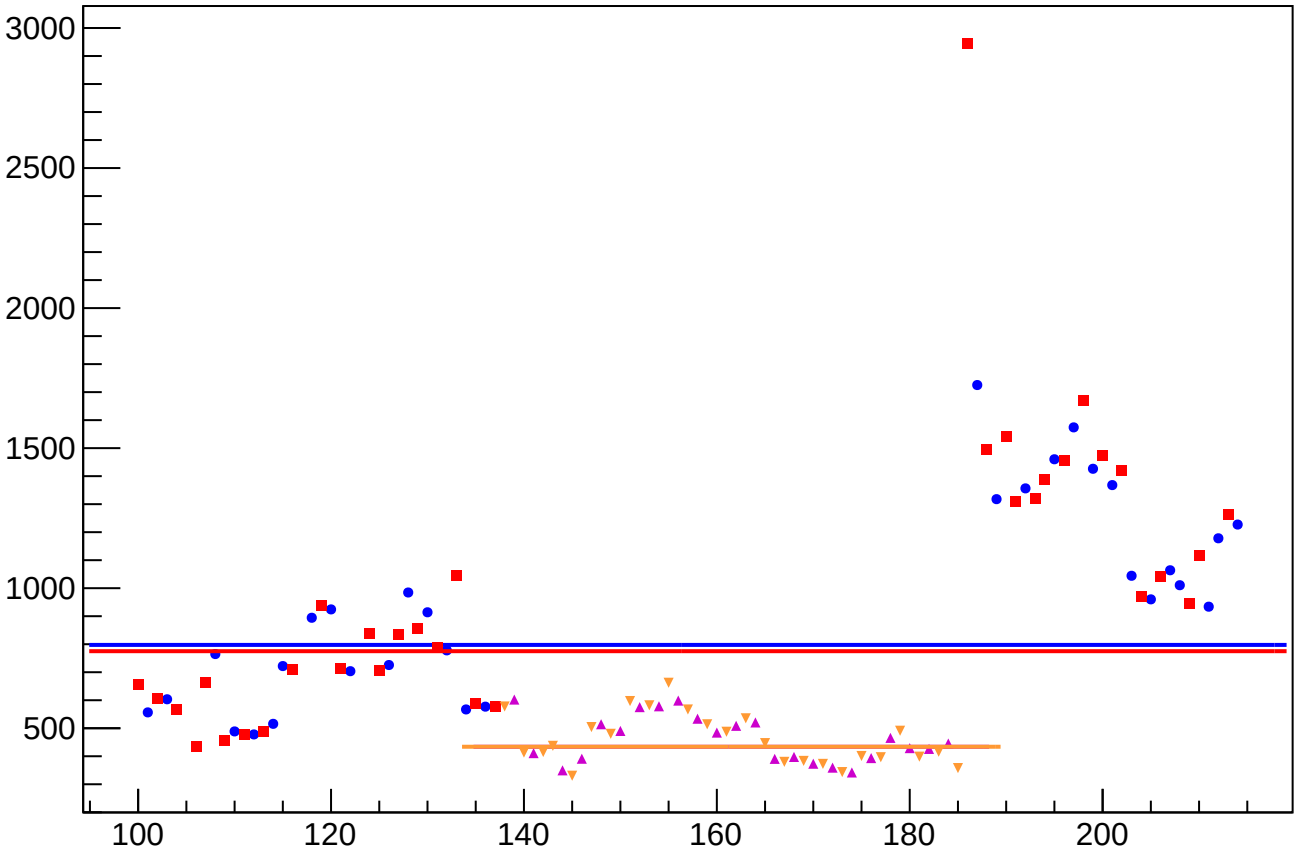
Right Out: 718.746+/-194.898 χ^2/NDF: 36.2/33

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 499.627+/-89.778 χ^2/NDF: 111.2/54

All: 360.134+/-63.964 χ^2/NDF: 185.3/111

- sign 216.335+/-91.154 χ^2/NDF: 69.2/56



Right In: 797.499+/-0.141 χ^2/NDF: 4411897.7/29

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 775.070+/-0.138 χ^2/NDF: 6052039.8/33

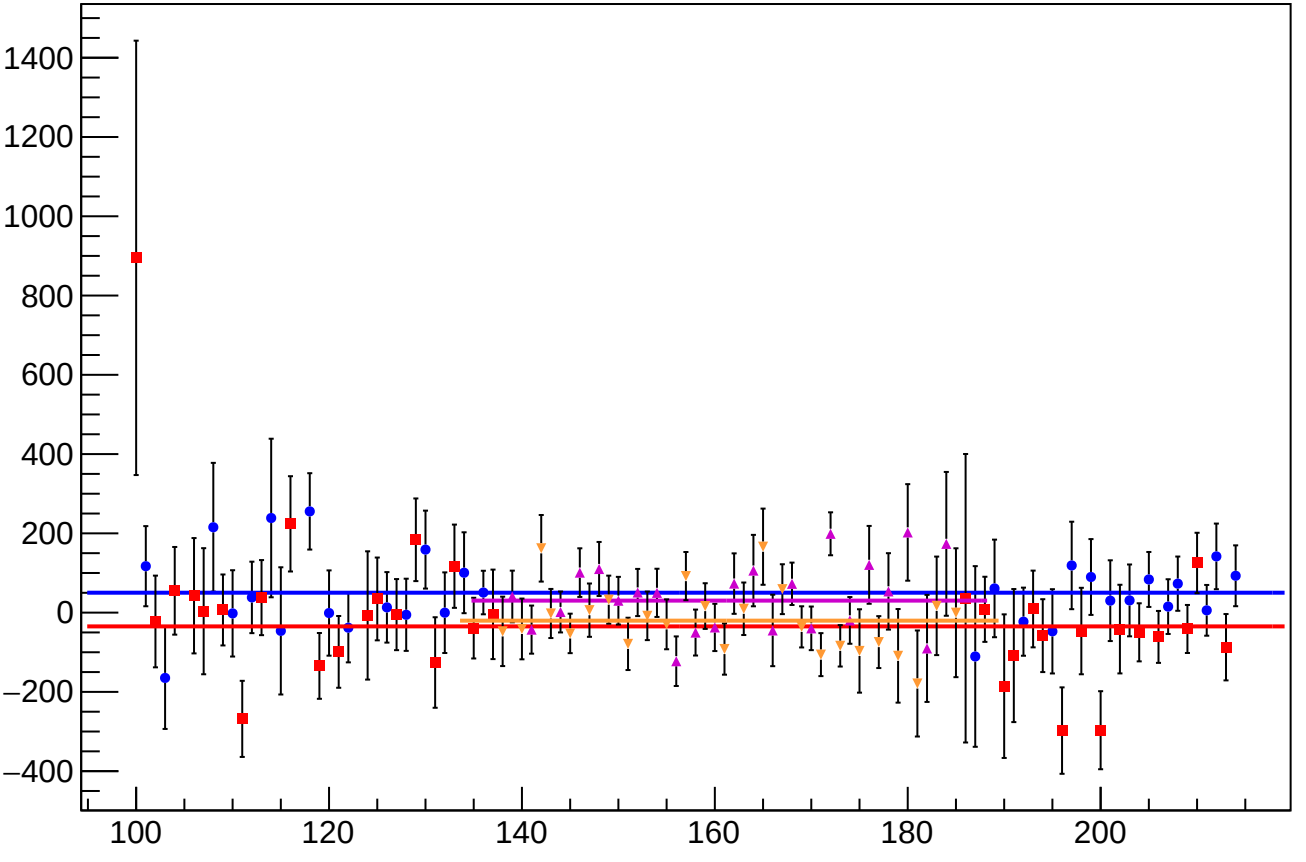
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 507.525+/-0.063 χ^2/NDF: 10949836.7/54

All: 507.951+/-0.045 χ^2/NDF: 22889736.6/1

- sign 508.390+/-0.064 χ^2/NDF: 11939808.6/56

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.249+/-16.721 χ^2/NDF: 19.1/29

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.747+/-16.916 χ^2/NDF: 44.3/33

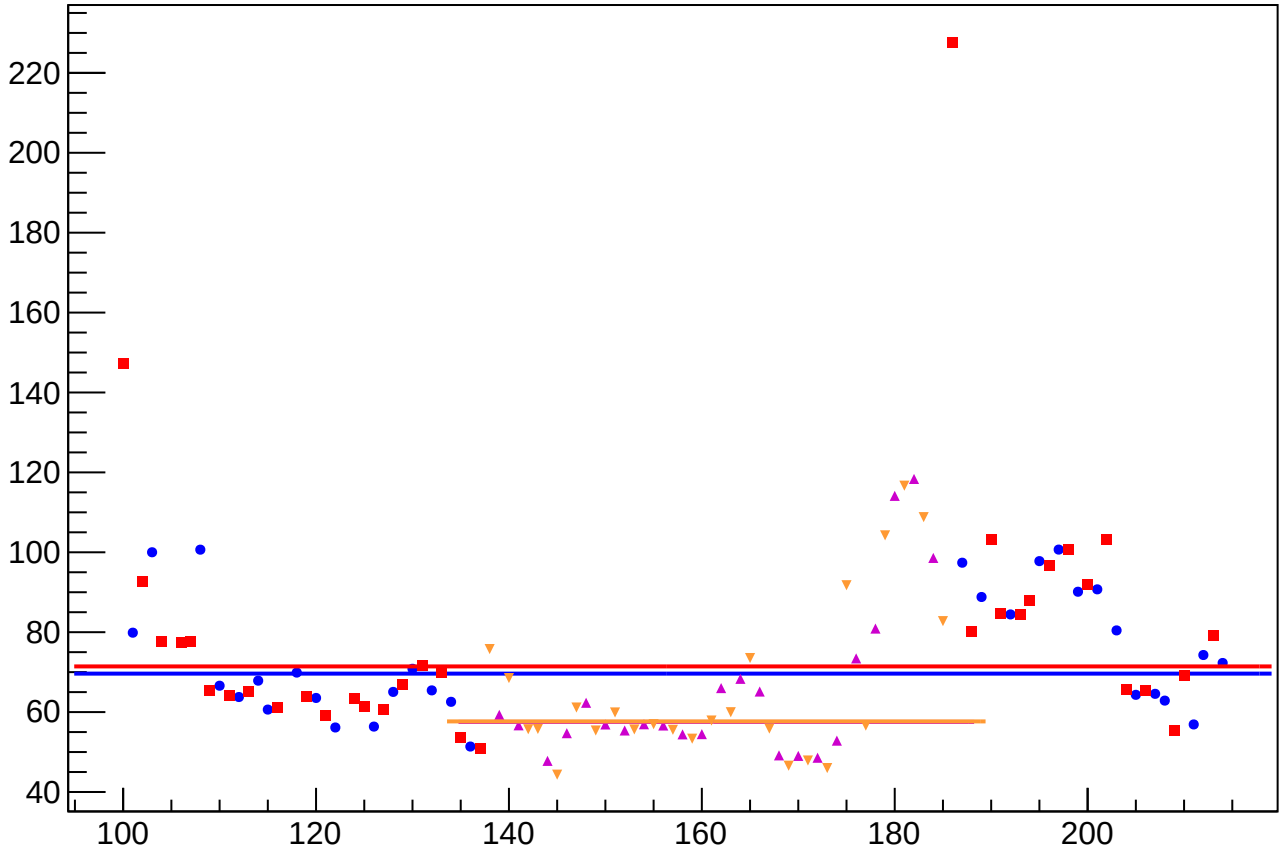
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

\+ sign 7.897+/-10.568 χ^2/NDF: 55.0/54

All: 5.945+/-7.545 χ^2/NDF: 140.8/111

\- sign 3.916+/-10.776 χ^2/NDF: 85.7/56

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.630+/-0.012 χ^2/NDF: 1331121.8/29

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.433+/-0.012 χ^2/NDF: 1697739.4/33

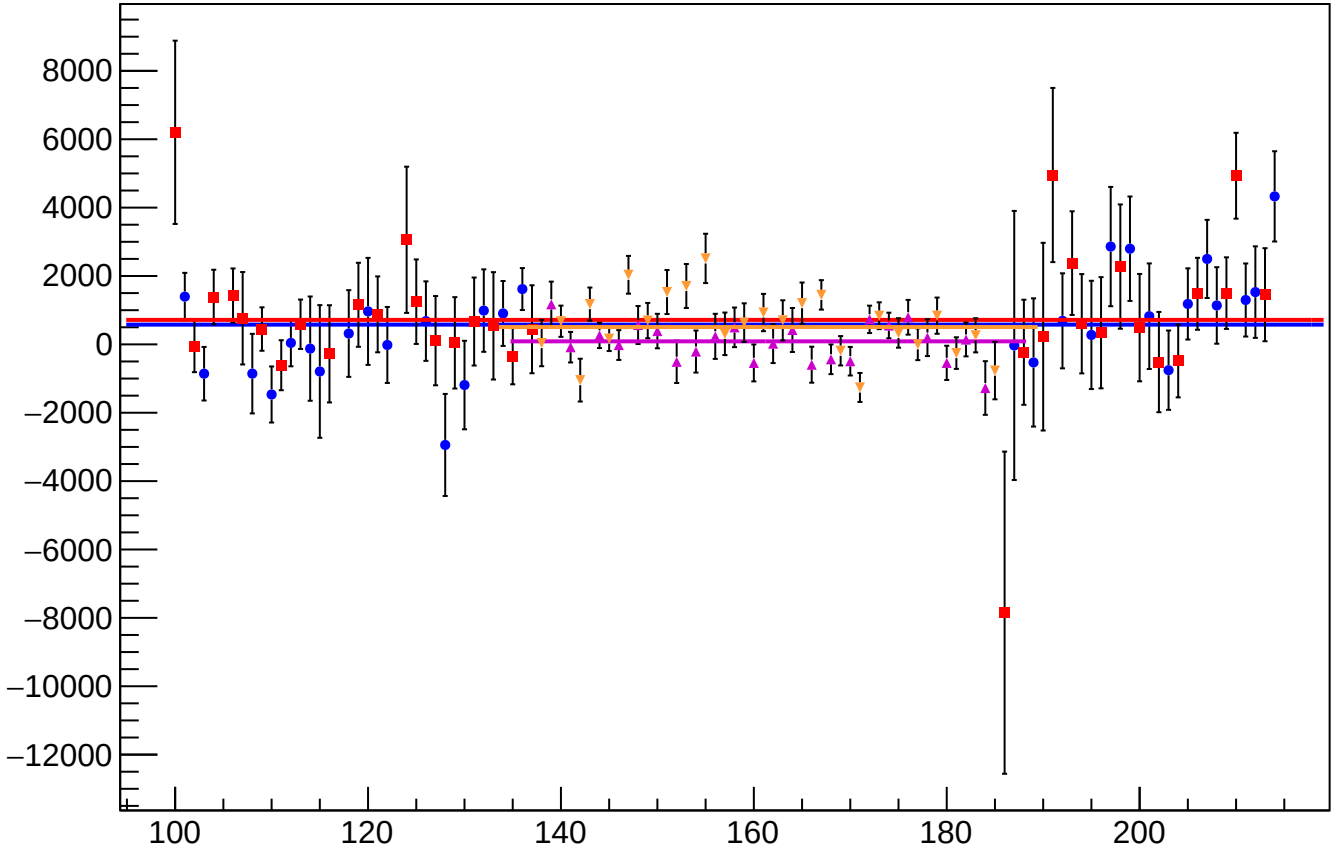
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

\+ sign 62.446+/-0.007 χ^2/NDF: 3855527.8/54

All: 62.804+/-0.005 χ^2/NDF: 7802889.1/111

\- sign 63.177+/-0.008 χ^2/NDF: 3942668.1/56

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 577.849+/-202.020 χ^2/NDF: 42.7/29

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 716.250+/-195.961 χ^2/NDF: 37.6/33

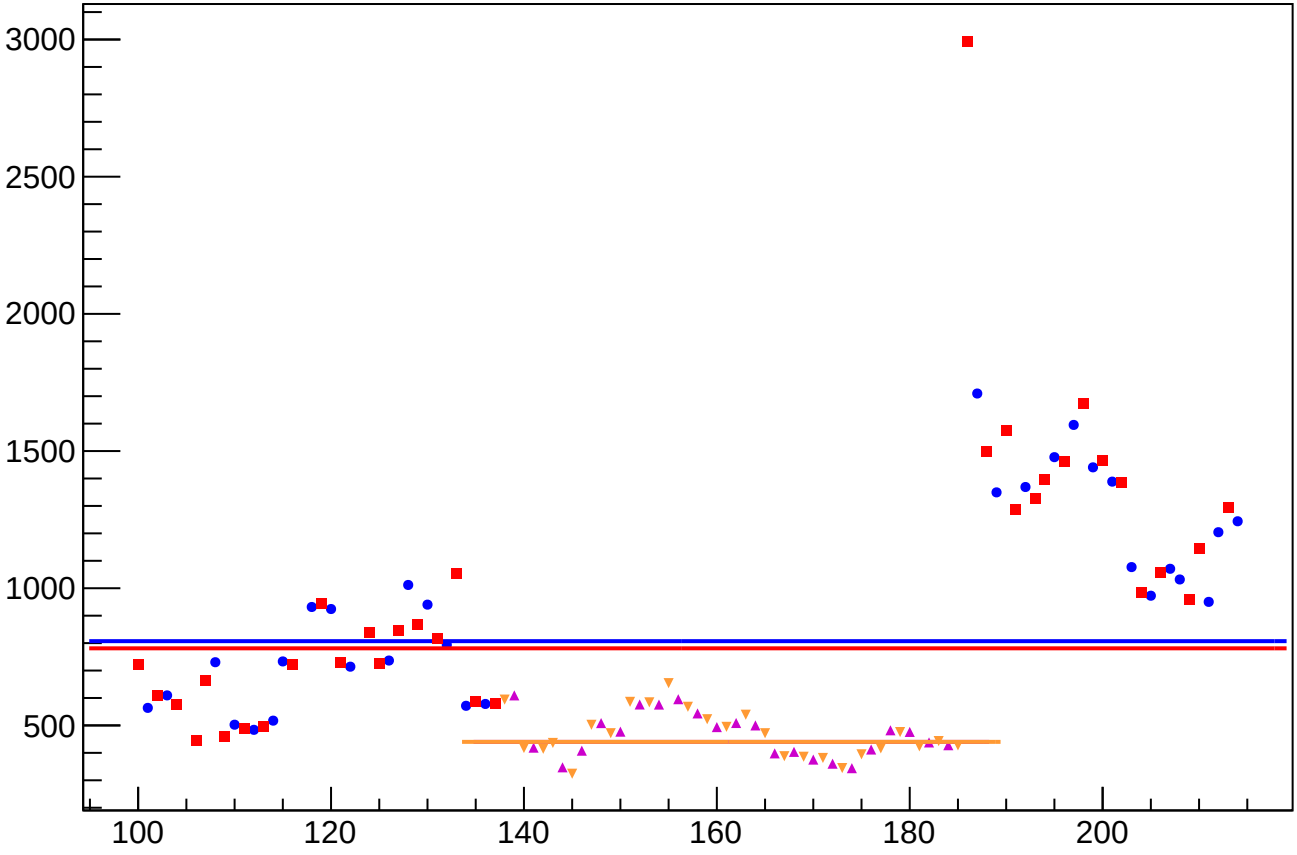
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 521.478+/-90.893 χ^2/NDF: 108.7/54

All: 376.673+/-64.741 χ^2/NDF: 182.7/111

- sign 227.555+/-92.237 χ^2/NDF: 68.9/56

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 807.159+/-0.143 χ^2/NDF: 4459863.5/29

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 780.958+/-0.139 χ^2/NDF: 6059153.8/33

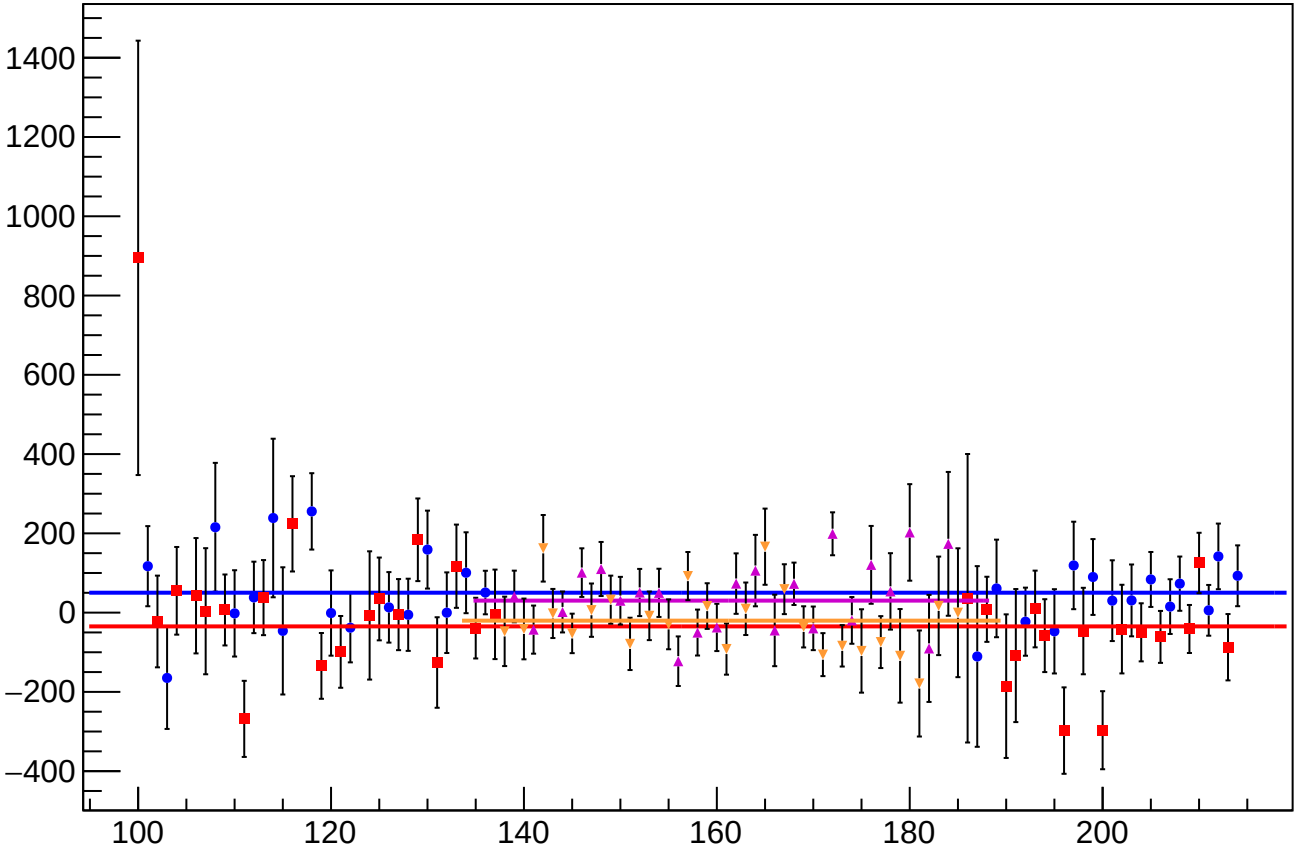
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 514.384+/-0.064 χ^2/NDF: 10923553.5/54

All: 514.906+/-0.046 χ^2/NDF: 22761435.4/11

- sign 515.443+/-0.065 χ^2/NDF: 11837747.9/56

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 50.247+/-16.721 χ^2/NDF: 19.1/29

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.748+/-16.916 χ^2/NDF: 44.3/33

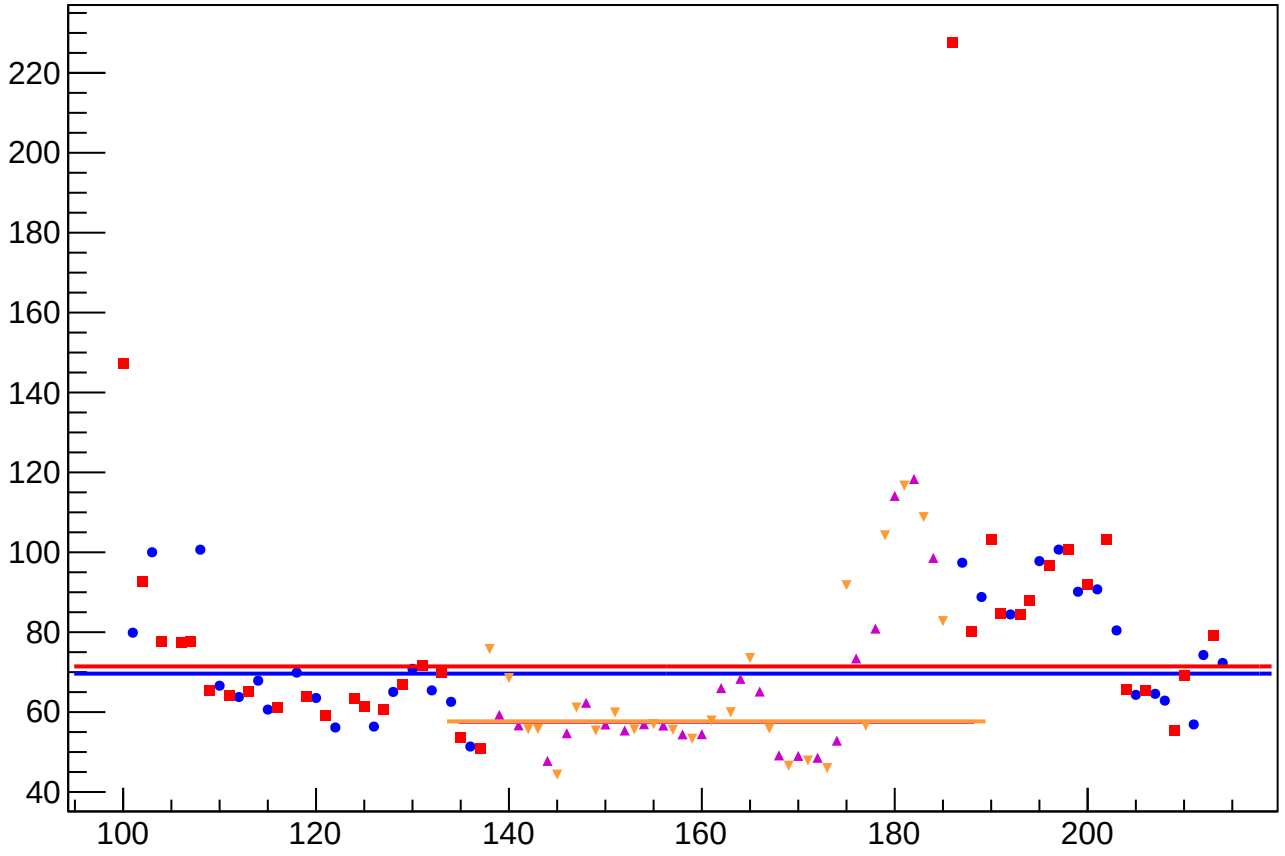
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 7.896+/-10.568 χ^2/NDF: 55.0/54

All: 5.944+/-7.545 χ^2/NDF: 140.8/111

- sign 3.915+/-10.776 χ^2/NDF: 85.7/56

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.630+/-0.012 χ^2/NDF: 1331097.8/29

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

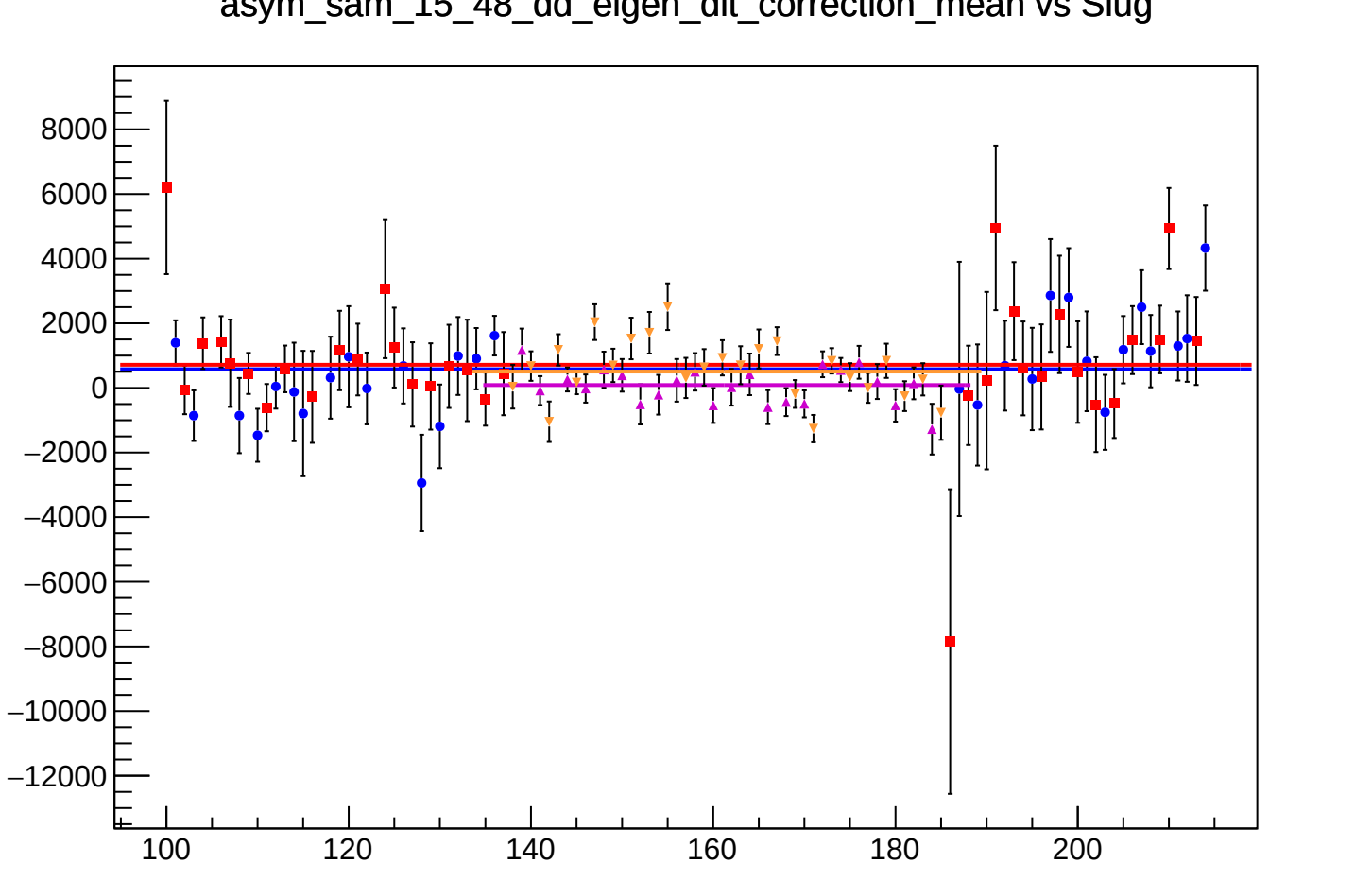
Right Out: 71.433+/-0.012 χ^2/NDF: 1697743.9/33

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

\+ sign 62.446+/-0.007 χ^2/NDF: 3855486.7/54

All: 62.804+/-0.005 χ^2/NDF: 7802824.0/111

\- sign 63.177+/-0.008 χ^2/NDF: 3942644.7/56



Right In: 577.848+/-202.020 χ^2/NDF: 42.7/29

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

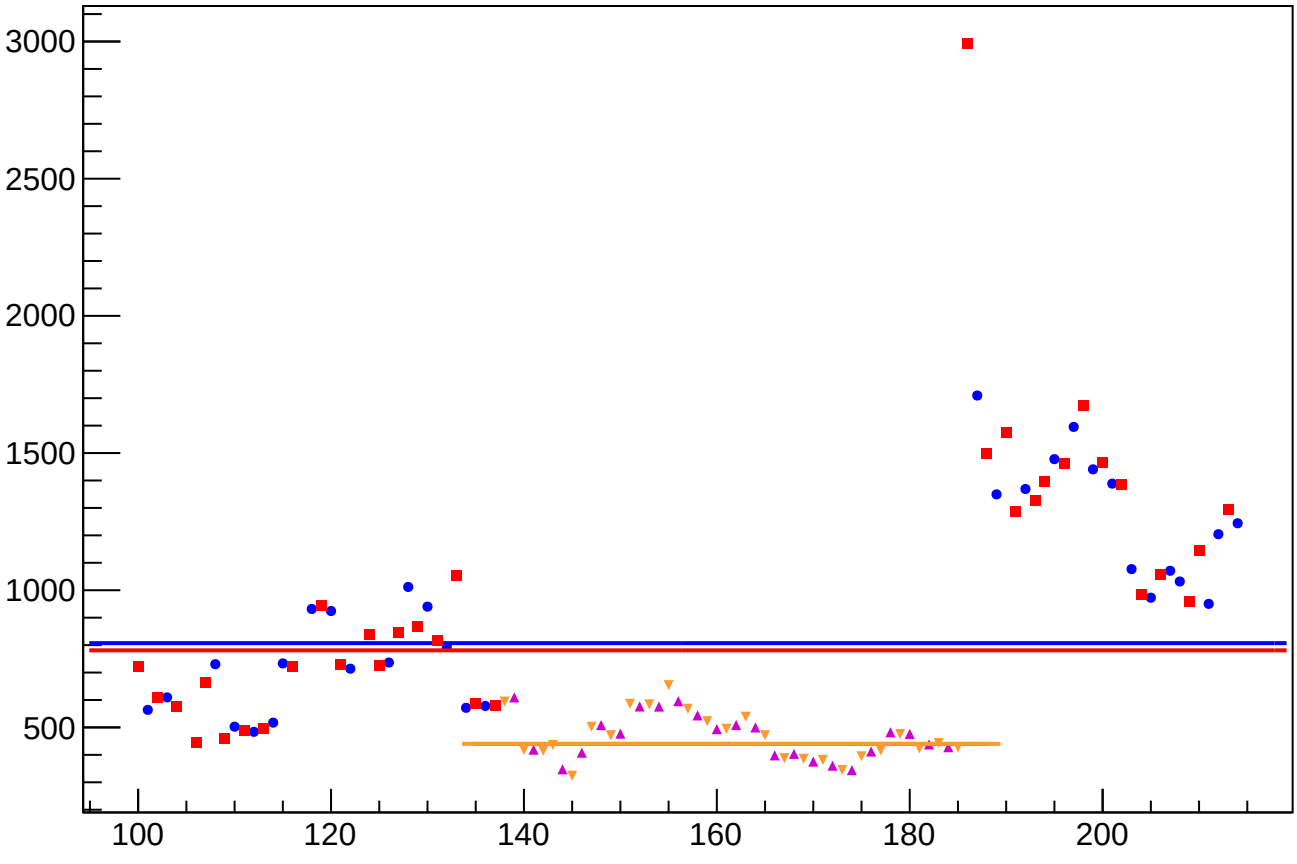
Right Out: 716.248+/-195.961 χ^2/NDF: 37.6/33

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 521.477+/-90.893 χ^2/NDF: 108.7/54

All: 376.672+/-64.741 χ^2/NDF: 182.7/111

- sign 227.554+/-92.237 χ^2/NDF: 68.9/56



Right In: 807.158+/-0.143 χ^2/NDF: 4459870.2/29

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 780.957+/-0.139 χ^2/NDF: 6059159.2/33

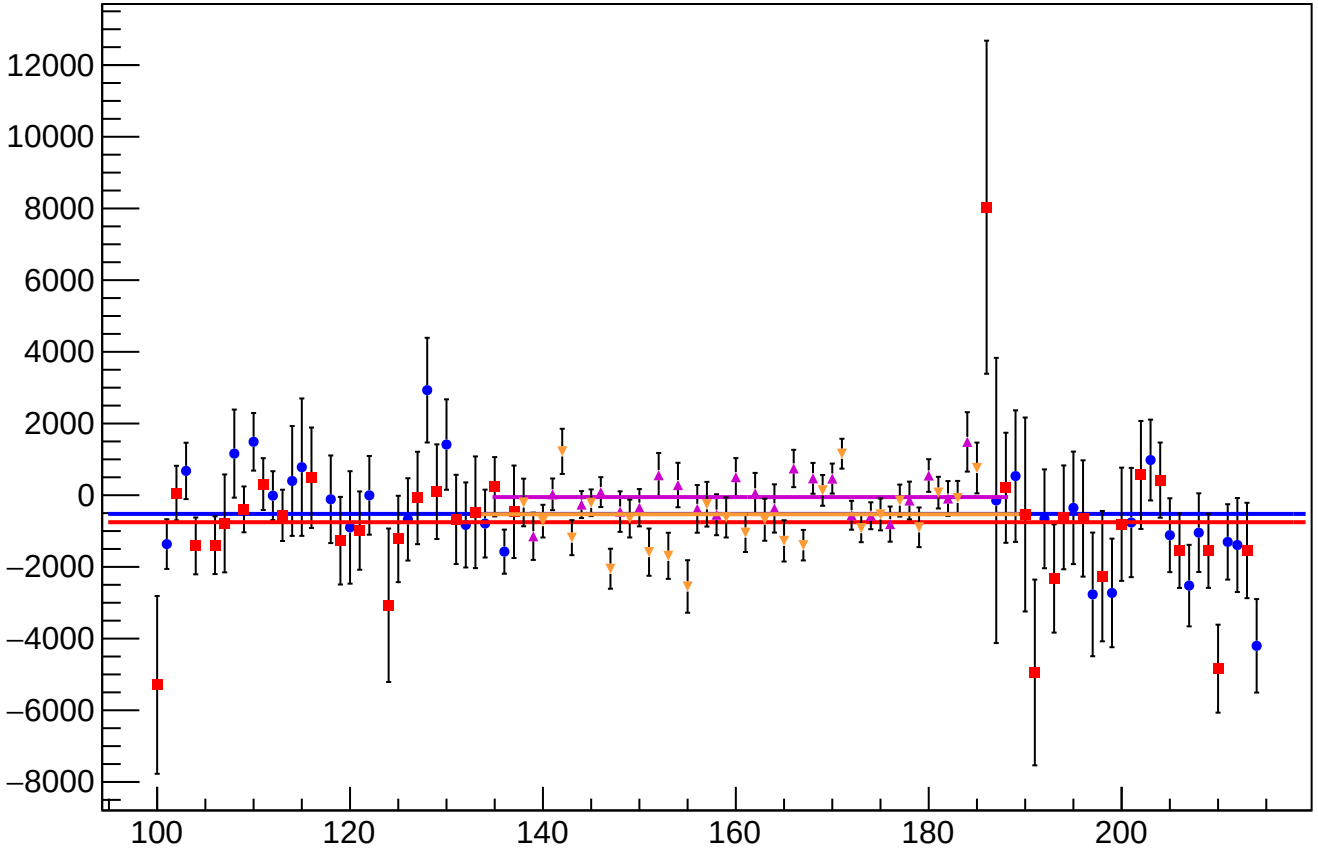
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 514.382+/-0.064 χ^2/NDF: 10923588.5/54

All: 514.904+/-0.046 χ^2/NDF: 22761504.8/11

- sign 515.442+/-0.065 χ^2/NDF: 11837782.3/56

asym_sam_15_48_dd_mean vs Slug



Right In: -521.526+/-200.440 χ^2/NDF: 43.3/29

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -752.961+/-195.068 χ^2/NDF: 35.9/33

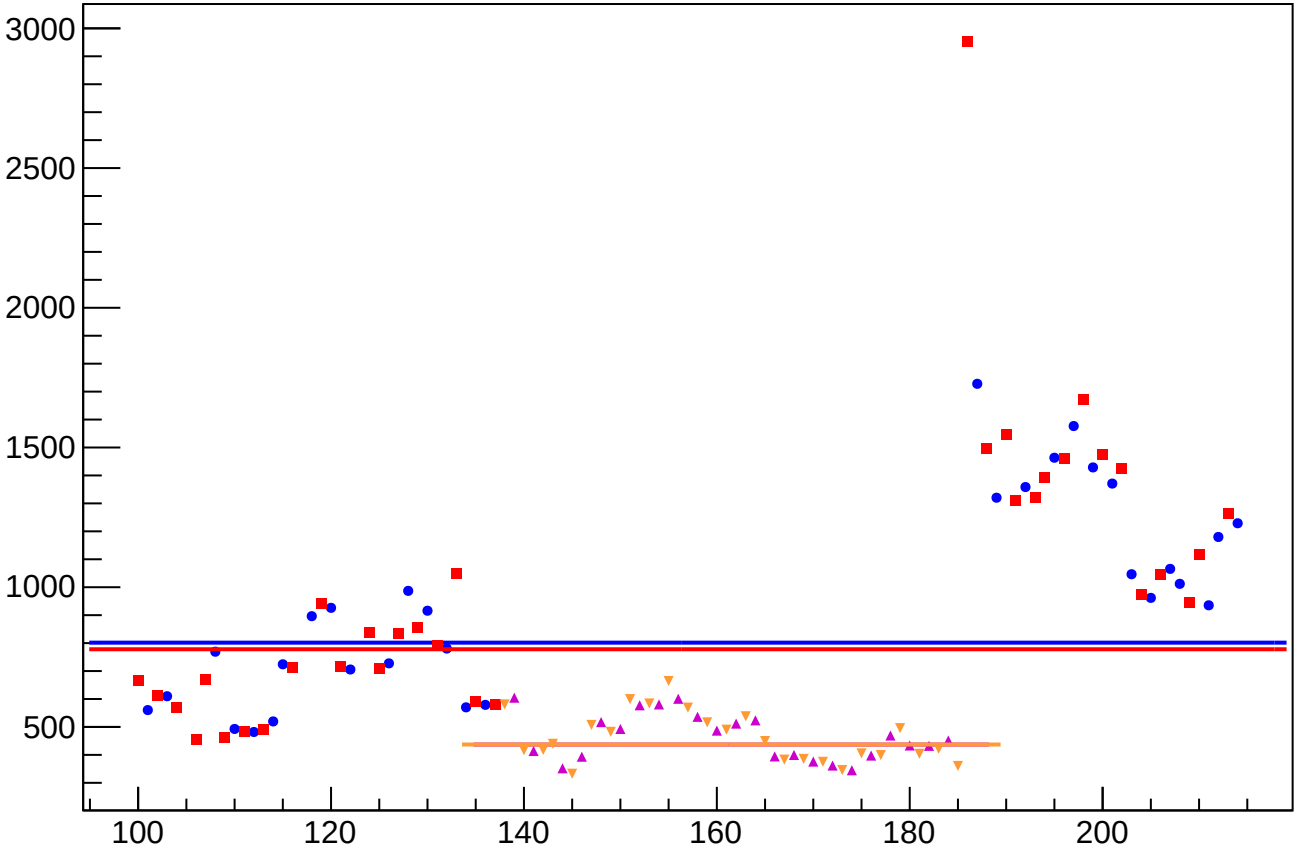
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -529.528+/-90.371 χ^2/NDF: 108.9/54

All: -370.723+/-64.361 χ^2/NDF: 185.2/111

- sign -207.275+/-91.682 χ^2/NDF: 70.0/56

asym_sam_15_48_dd_rms vs Slug



Right In: 801.673+/-0.142 χ^2/NDF: 4360454.7/29

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

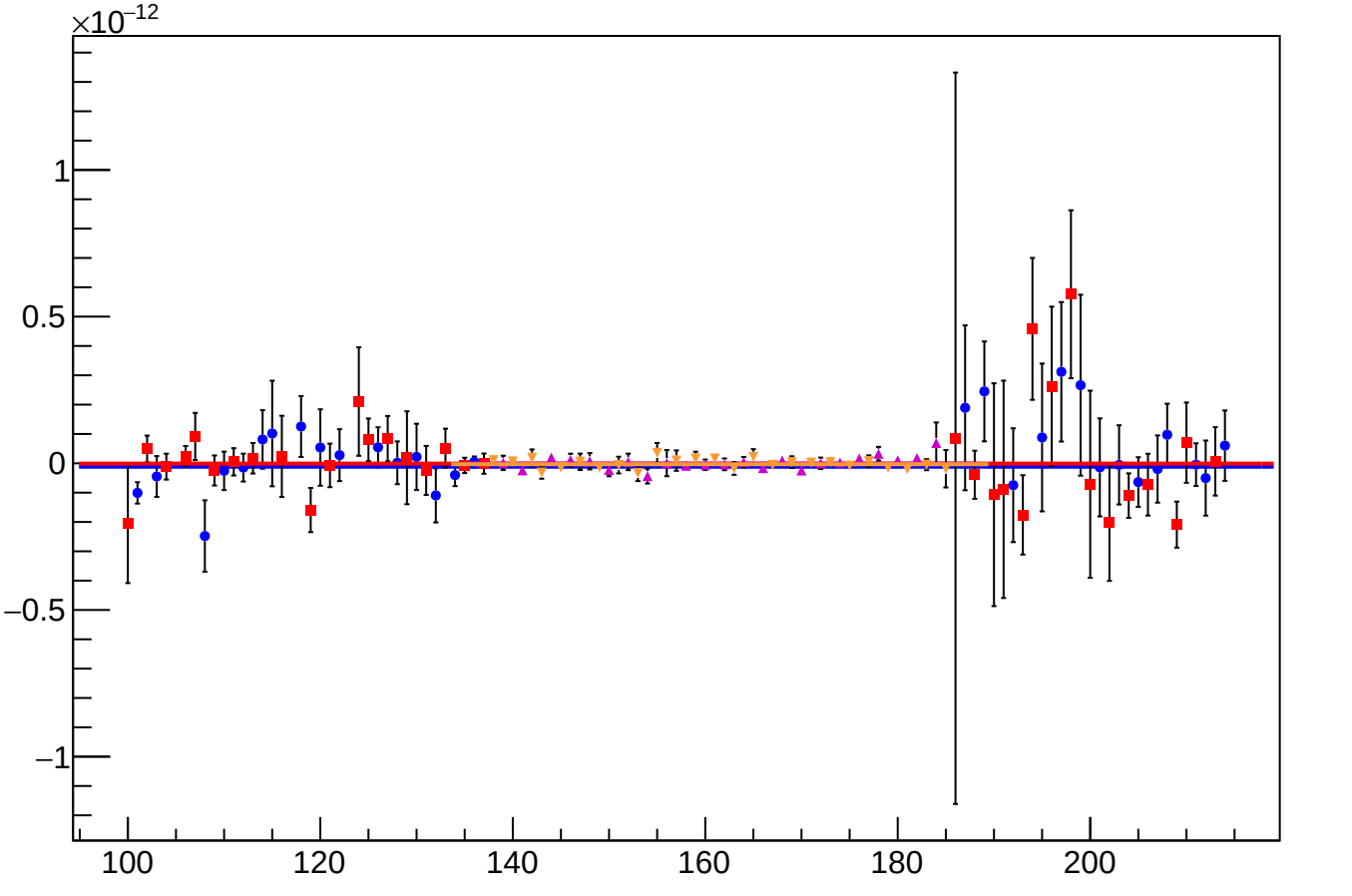
Right Out: 778.008+/-0.138 χ^2/NDF: 5999336.9/33

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 511.254+/-0.064 χ^2/NDF: 10857780.8/54

All: 511.760+/-0.046 χ^2/NDF: 22700912.4/11

- sign 512.281+/-0.065 χ^2/NDF: 11843004.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

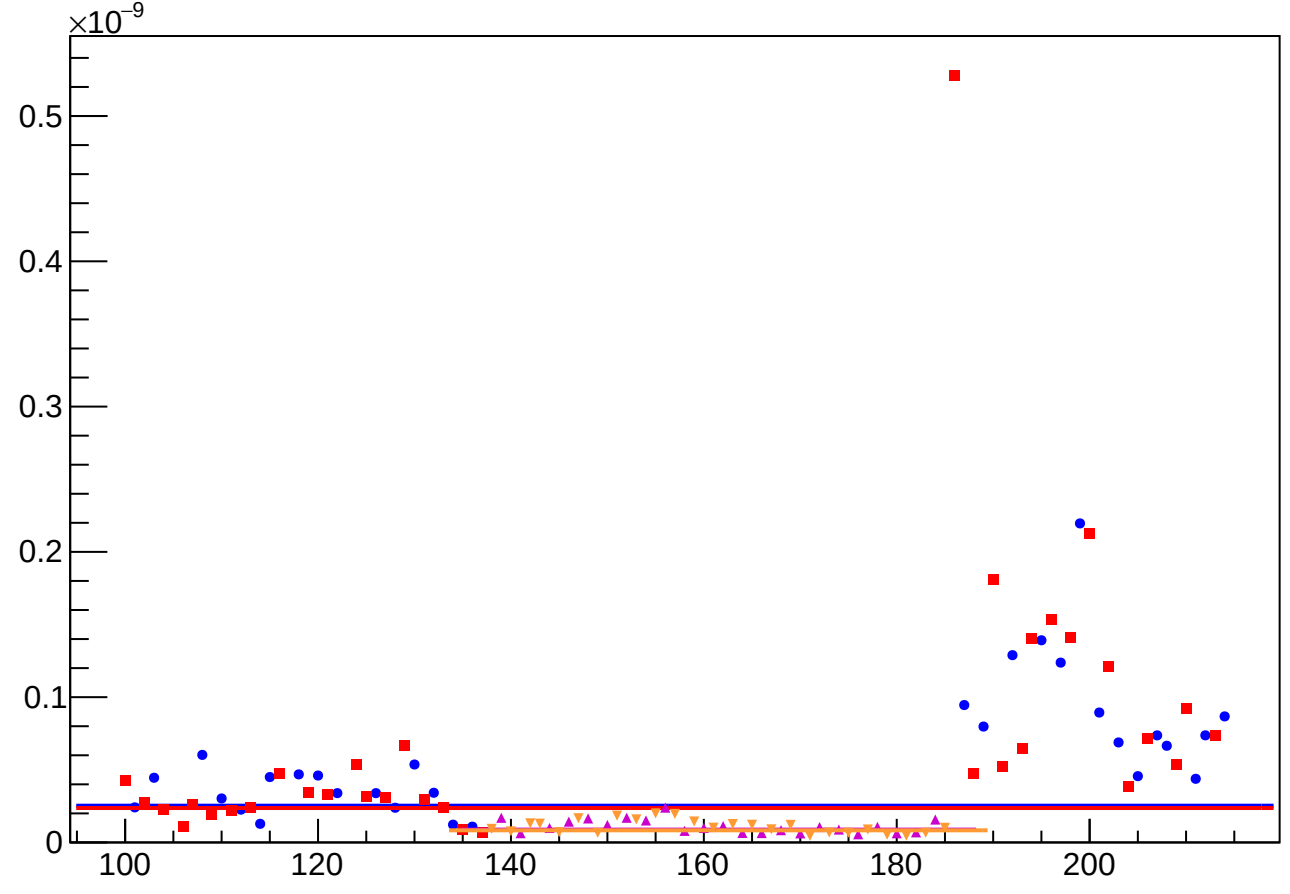
Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/33

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/54

All: -0.000+/-0.000 χ^2/NDF: 96.8/111

- sign -0.000+/-0.000 χ^2/NDF: 57.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 6826828.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6945074.1/33

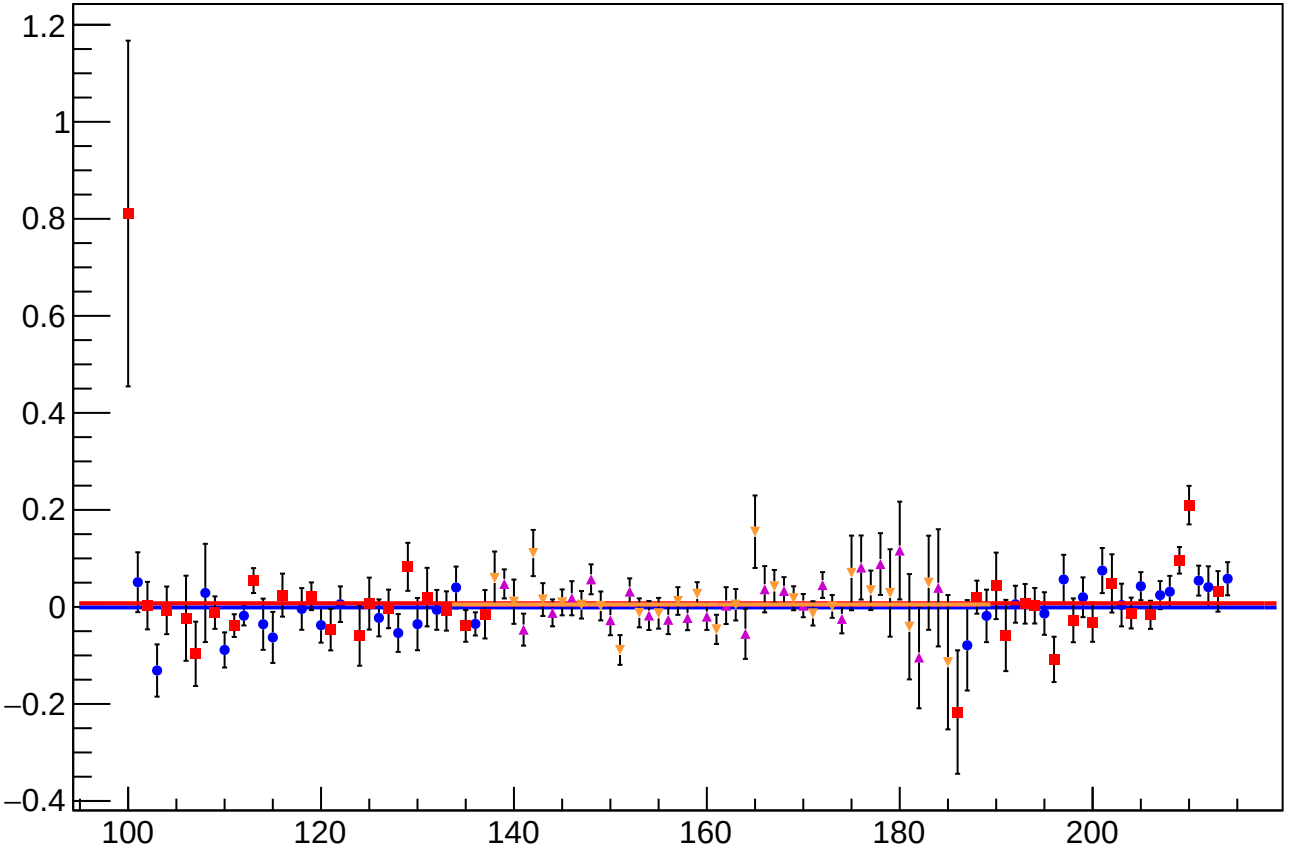
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12811912.1/54

All: 0.000+/-0.000 χ^2/NDF: 24481735.2/111

- sign 0.000+/-0.000 χ^2/NDF: 11643303.8/56

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.007 χ^2/NDF: 37.9/29

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.008+/-0.007 χ^2/NDF: 73.6/33

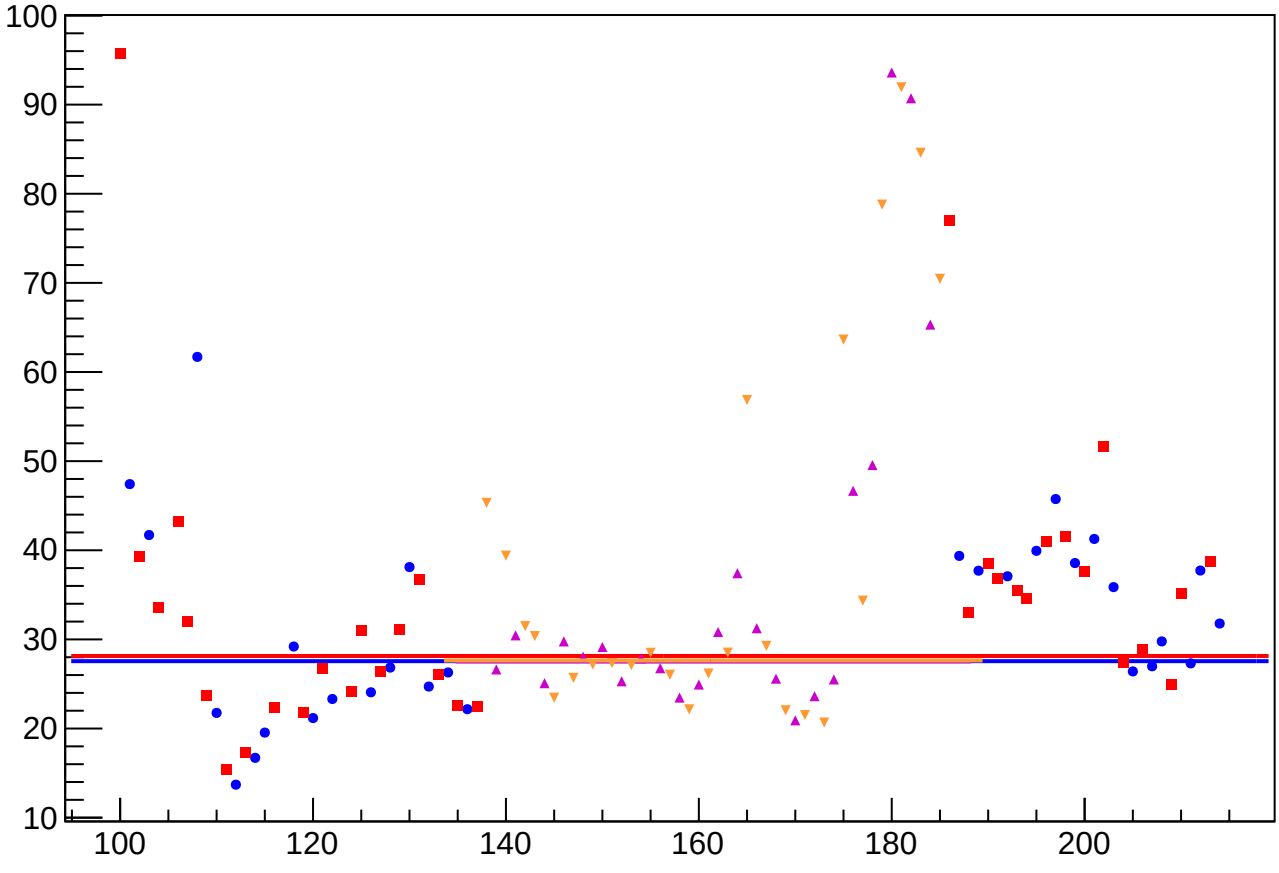
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.002+/-0.005 χ^2/NDF: 66.7/54

All: 0.004+/-0.003 χ^2/NDF: 165.9/111

- sign 0.006+/-0.005 χ^2/NDF: 98.8/56

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.559+/-0.005 χ^2/NDF: 3209467.8/29

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

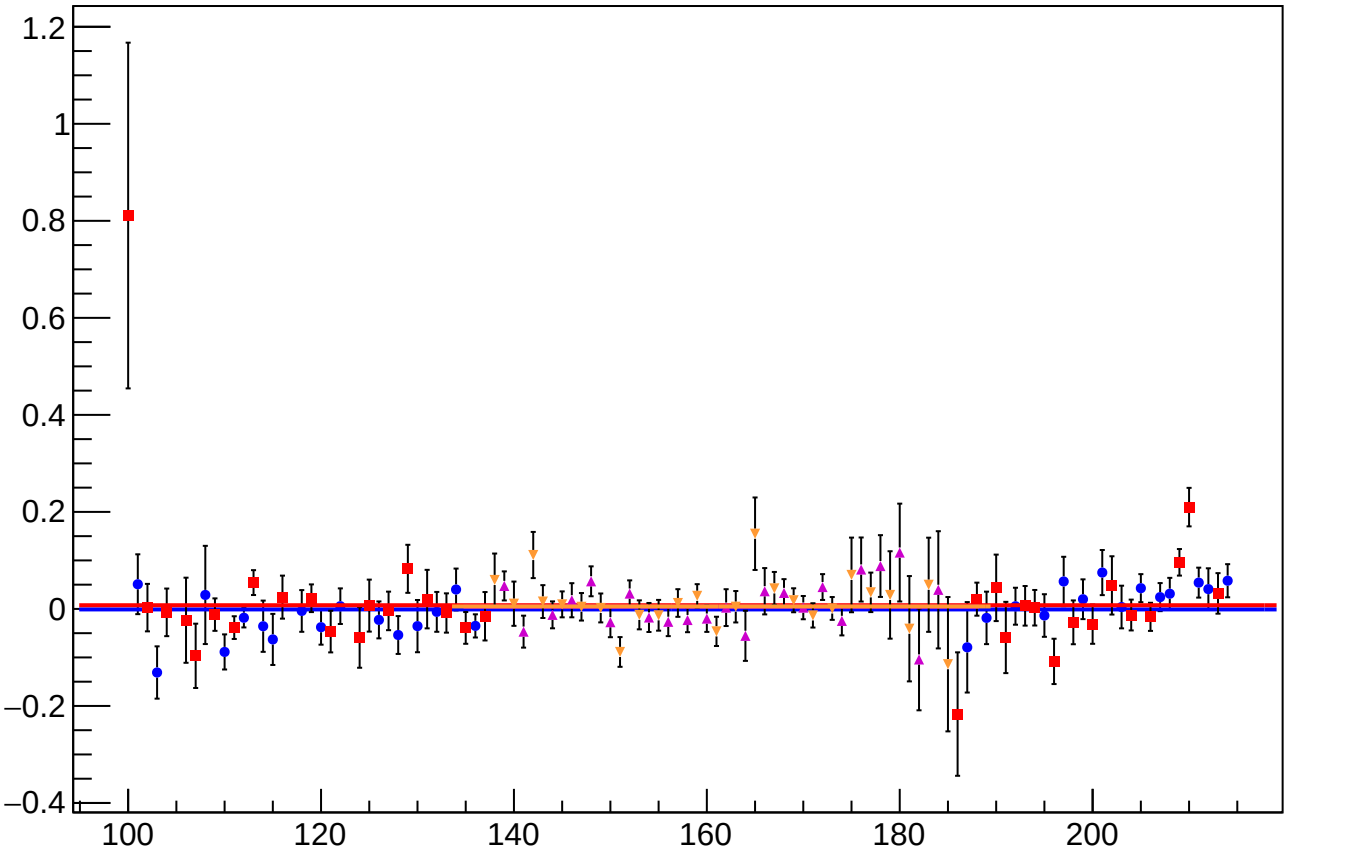
Right Out: 28.142+/-0.005 χ^2/NDF: 3045683.6/33

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.597+/-0.003 χ^2/NDF: 7183674.9/54

All: 27.715+/-0.002 χ^2/NDF: 12874144.0/111

- sign 27.835+/-0.003 χ^2/NDF: 5688108.5/56



Right In: -0.001+/-0.007 χ^2/NDF: 37.9/29

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

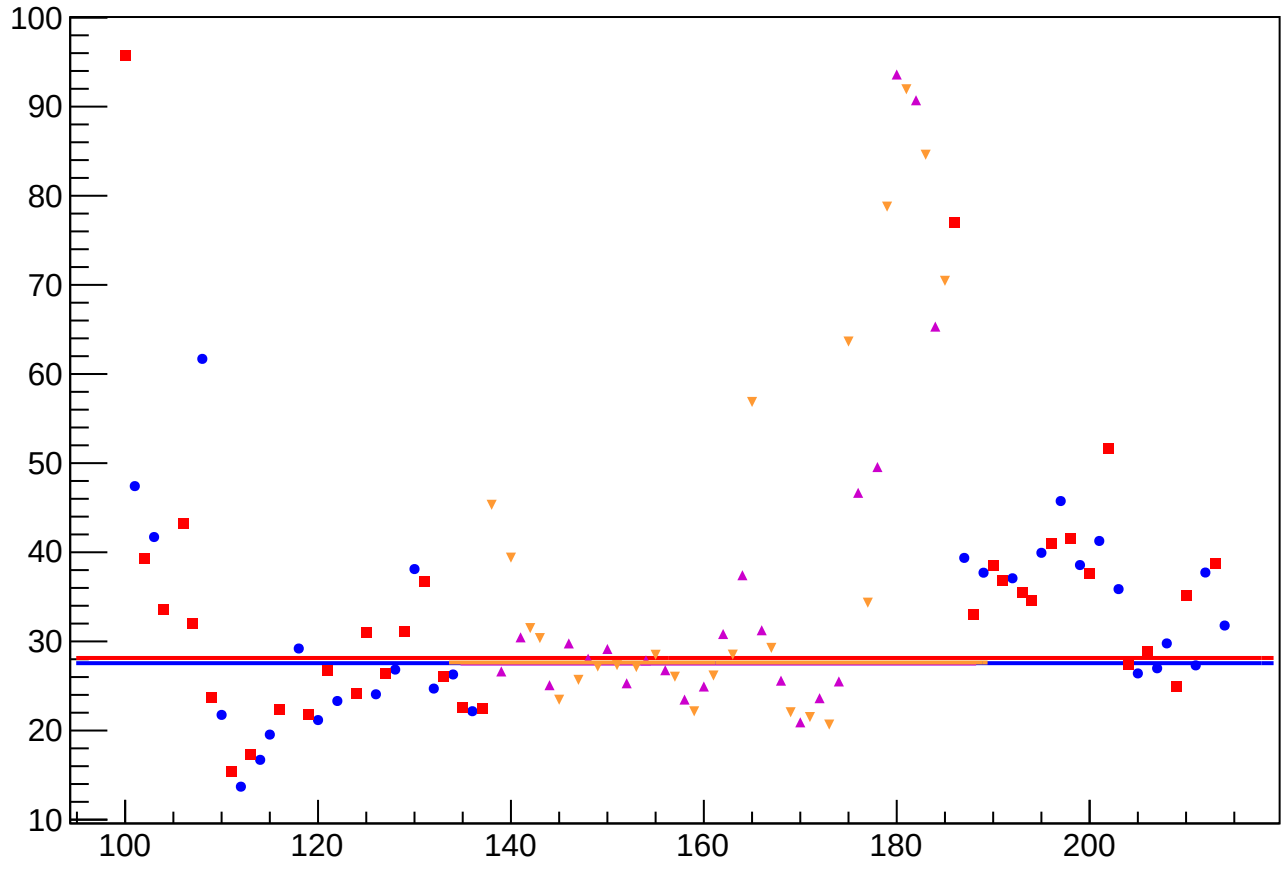
Right Out: 0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.002+/-0.005 χ^2/NDF: 66.7/54

All: 0.004+/-0.003 χ^2/NDF: 165.9/111

- sign 0.006+/-0.005 χ^2/NDF: 98.8/56



Right In: 27.559+/-0.005 χ^2/NDF: 3209467.8/29

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

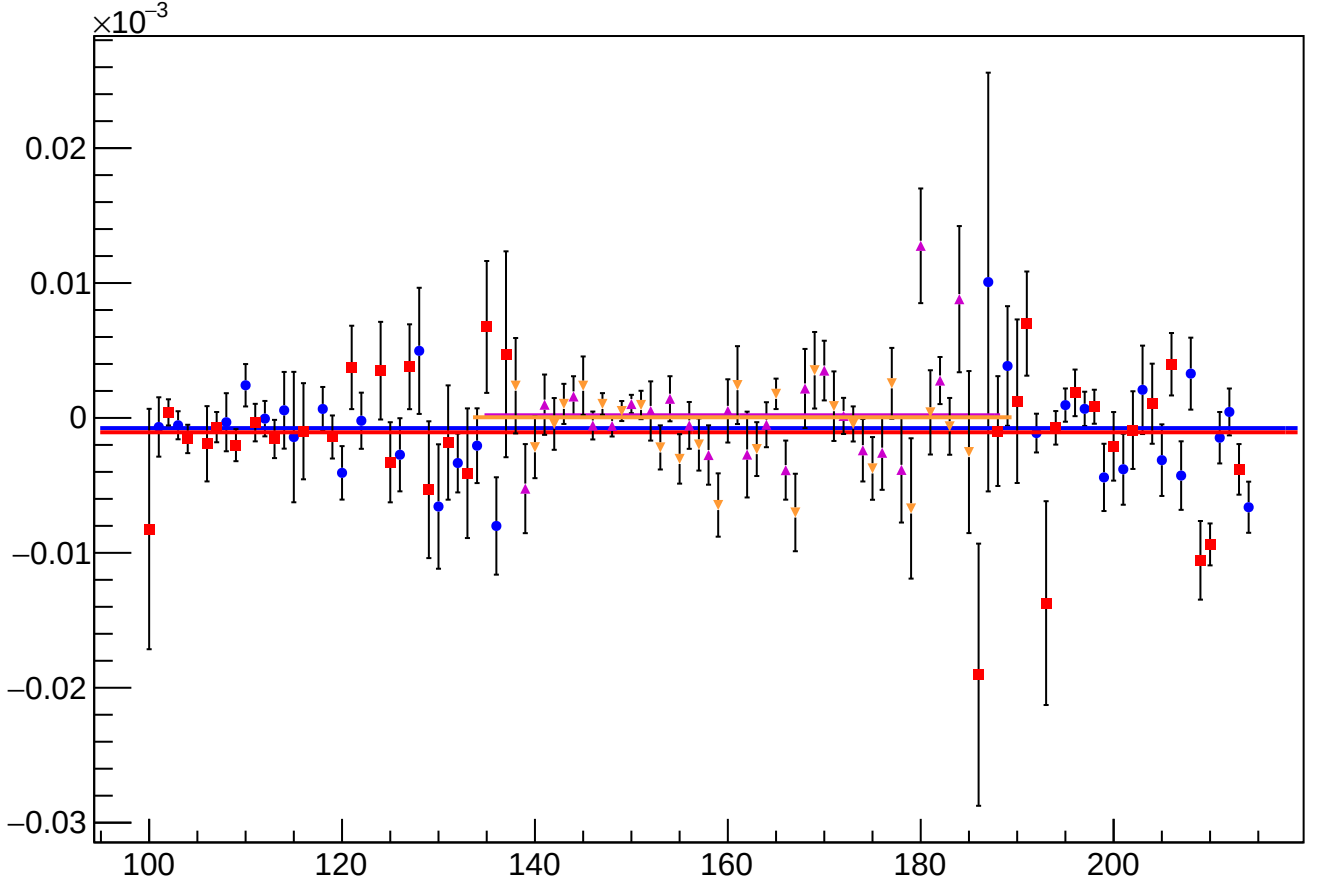
Right Out: 28.142+/-0.005 χ^2/NDF: 3045683.6/33

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.597+/-0.003 χ^2/NDF: 7183674.9/54

All: 27.715+/-0.002 χ^2/NDF: 12874144.0/111

- sign 27.835+/-0.003 χ^2/NDF: 5688108.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 41.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

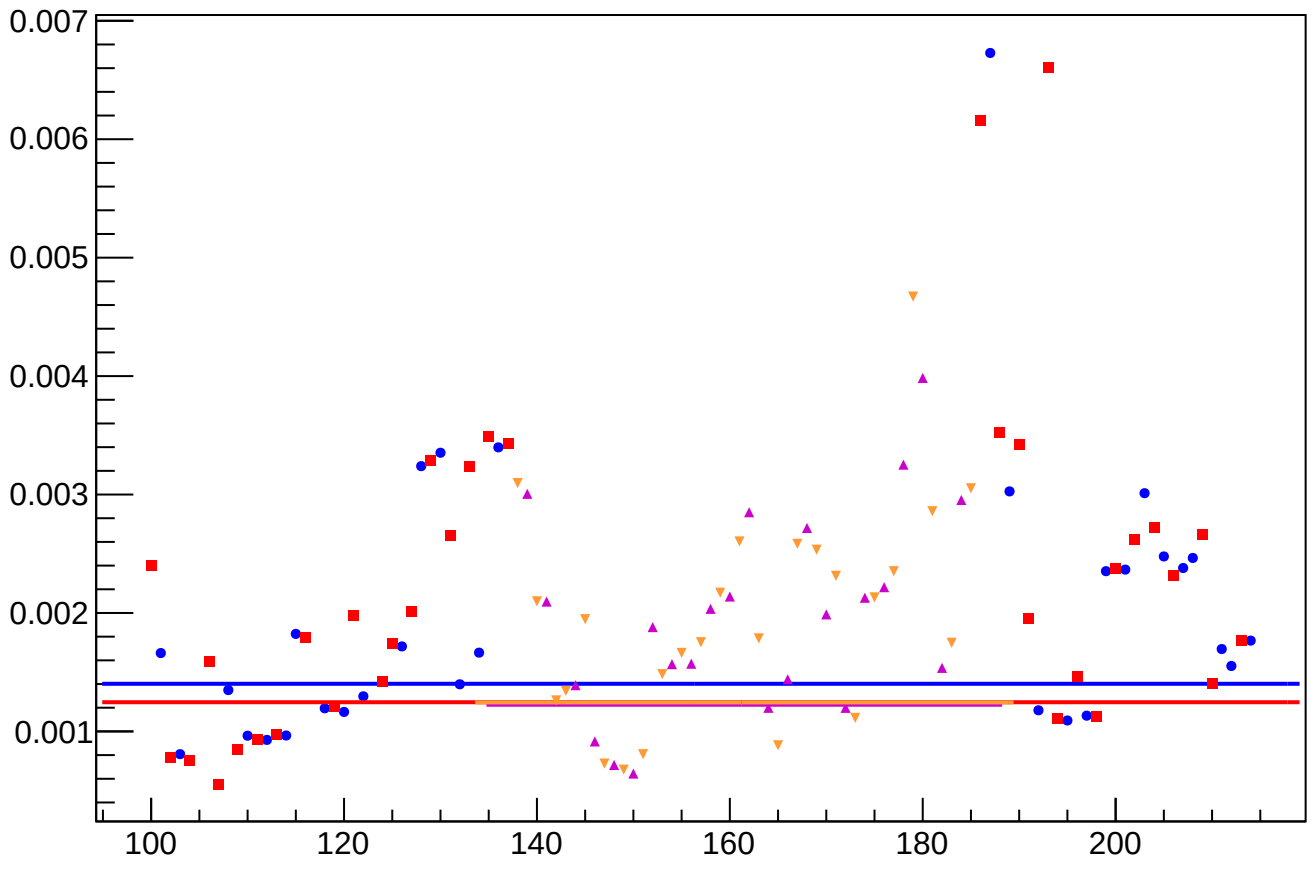
Right Out: -0.000+/-0.000 χ^2/NDF: 78.4/33

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.6/54

All: -0.000+/-0.000 χ^2/NDF: 200.5/111

- sign -0.000+/-0.000 χ^2/NDF: 118.8/56



Right In: 0.001+/-0.000 χ^2/NDF: 5439533.6/29

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

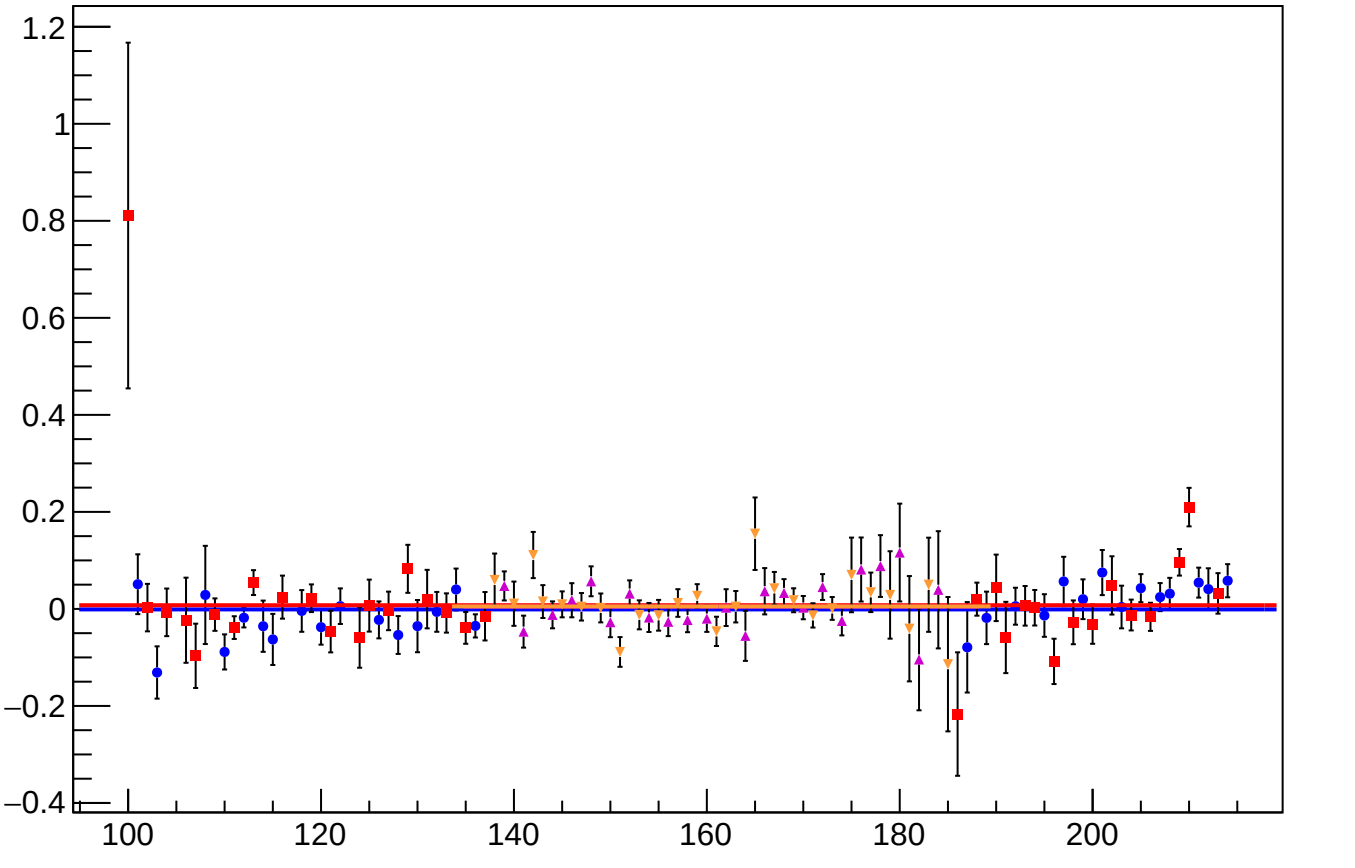
Right Out: 0.001+/-0.000 χ^2/NDF: 8923219.4/33

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 13989031.3/54

All: 0.001+/-0.000 χ^2/NDF: 30847368.8/111

- sign 0.001+/-0.000 χ^2/NDF: 16750068.9/56



Right In: -0.001+/-0.007 χ^2/NDF: 37.9/29

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

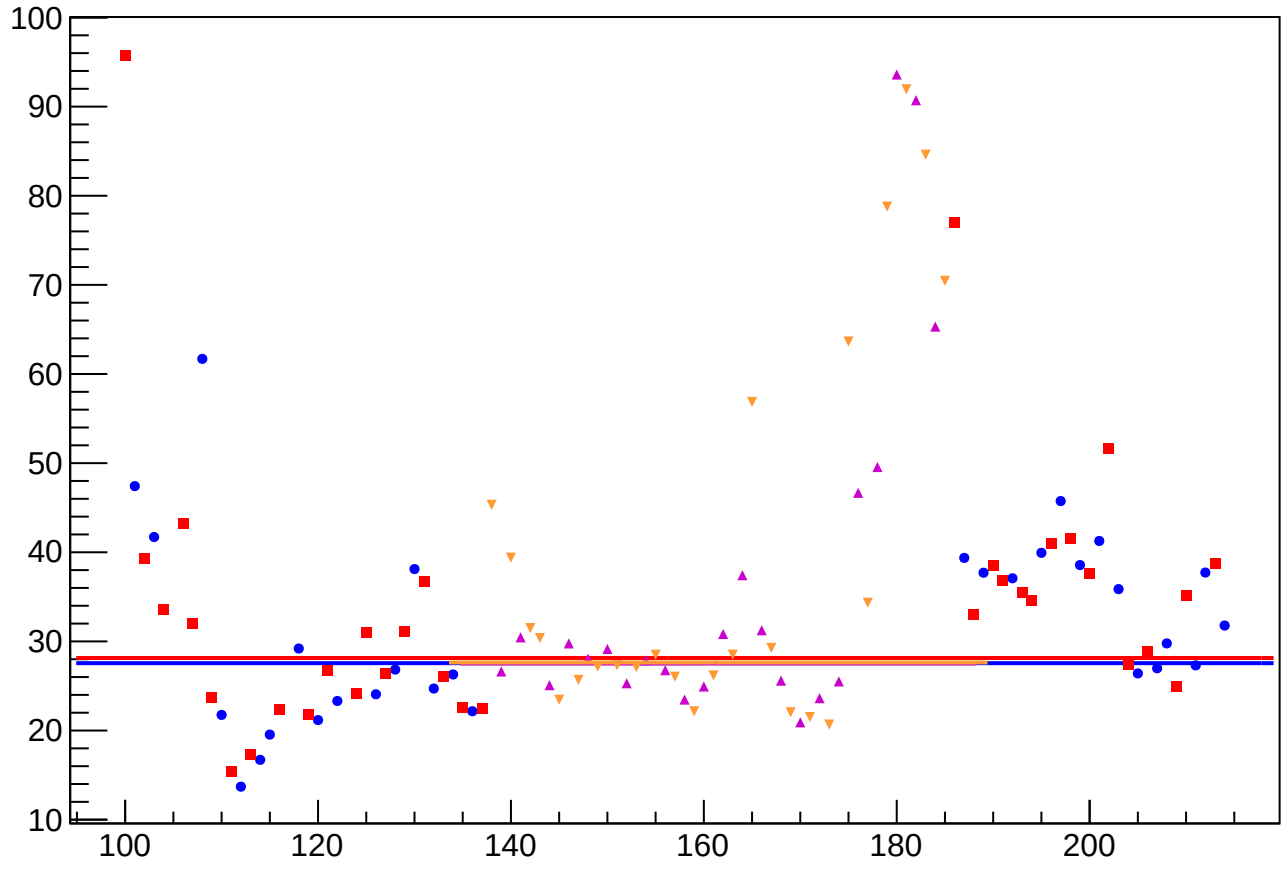
Right Out: 0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.002+/-0.005 χ^2/NDF: 66.7/54

All: 0.004+/-0.003 χ^2/NDF: 165.9/111

- sign 0.006+/-0.005 χ^2/NDF: 98.8/56



Right In: 27.559+/-0.005 χ^2/NDF: 3209471.5/29

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

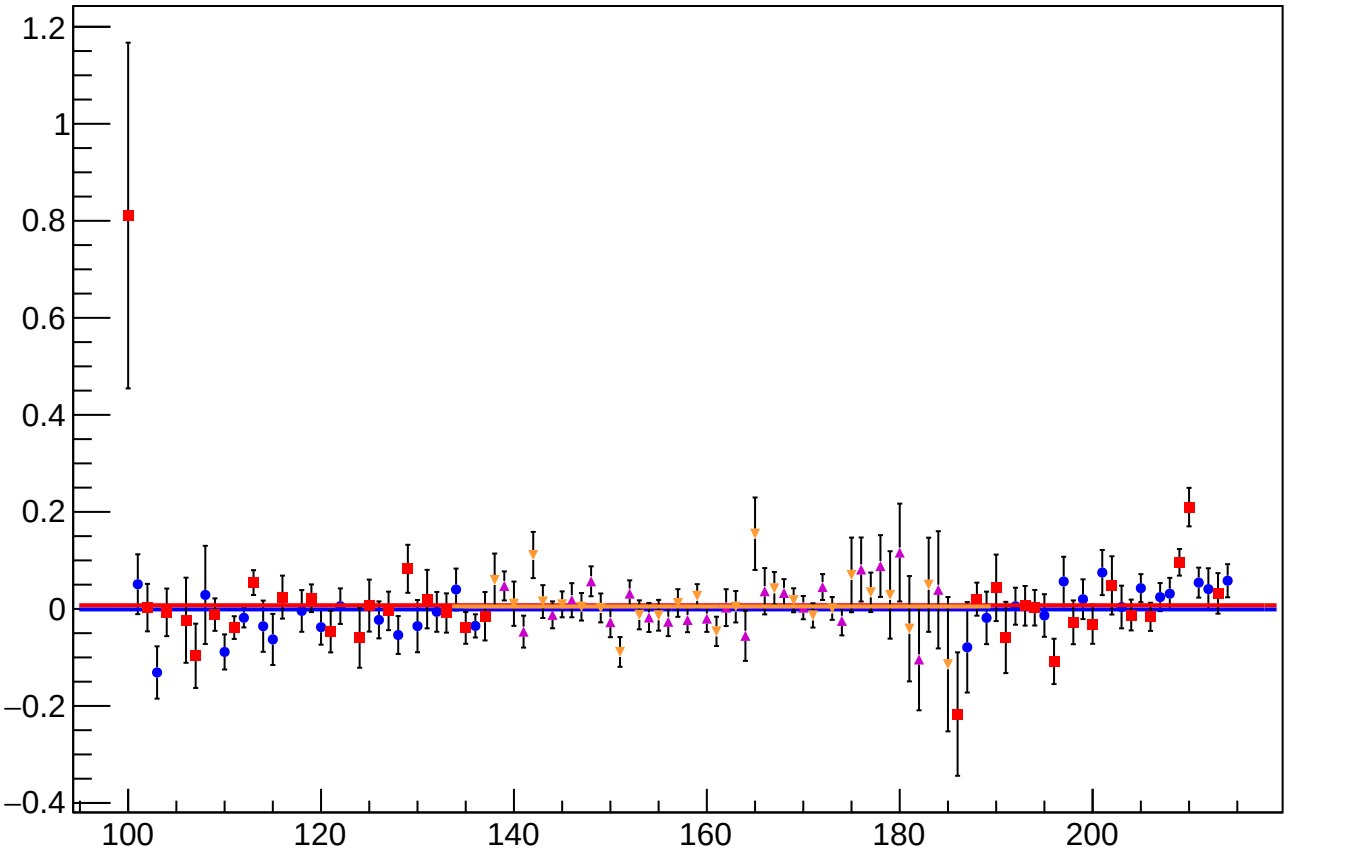
Right Out: 28.142+/-0.005 χ^2/NDF: 3045779.0/33

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.597+/-0.003 χ^2/NDF: 7183620.3/54

All: 27.715+/-0.002 χ^2/NDF: 12874143.9/111

- sign 27.835+/-0.003 χ^2/NDF: 5688164.8/56



Right In: -0.001+/-0.007 χ^2/NDF: 37.9/29

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

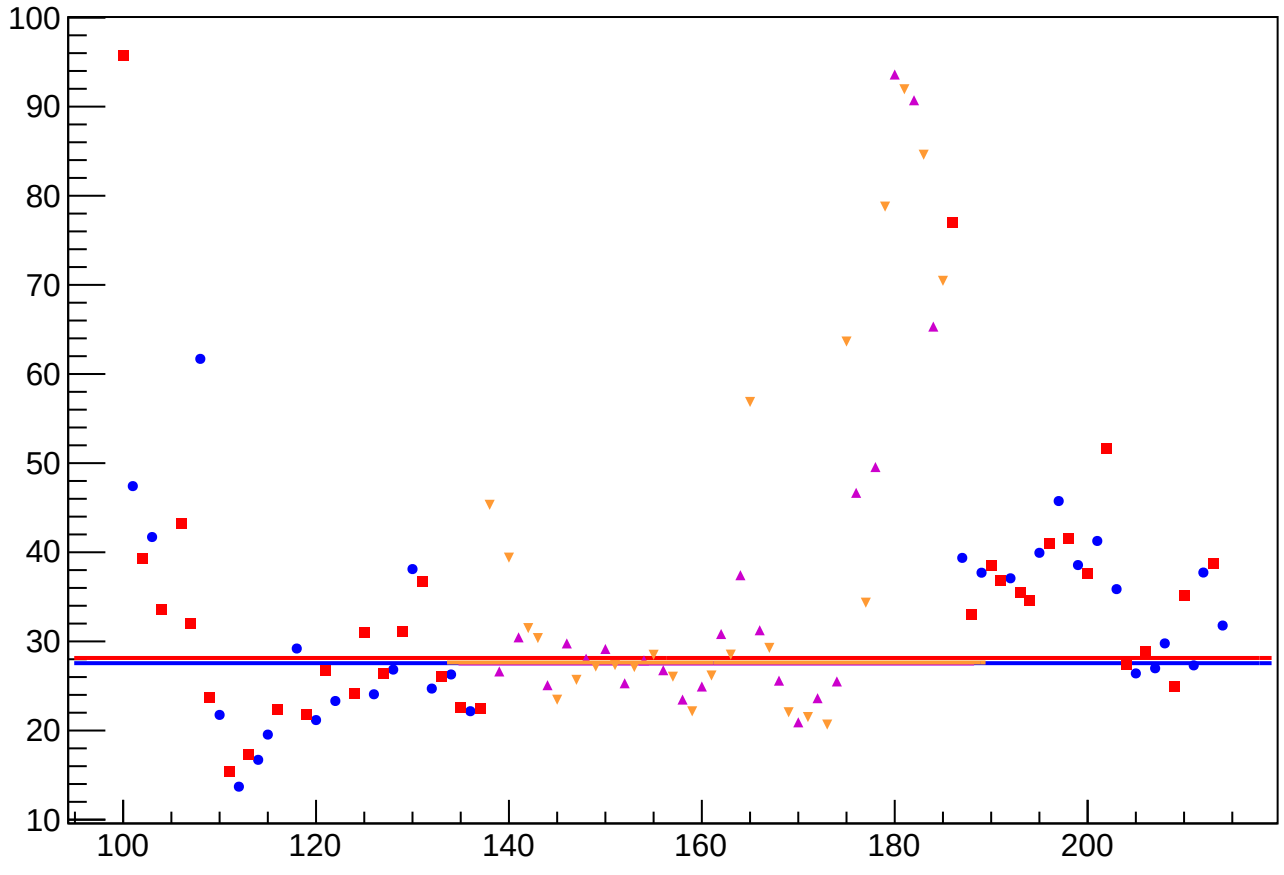
Right Out: 0.008+/-0.007 χ^2/NDF: 73.6/33

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.002+/-0.005 χ^2/NDF: 66.7/54

All: 0.004+/-0.003 χ^2/NDF: 165.9/111

- sign 0.006+/-0.005 χ^2/NDF: 98.8/56



Right In: 27.559+/-0.005 χ^2/NDF: 3209471.5/29

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

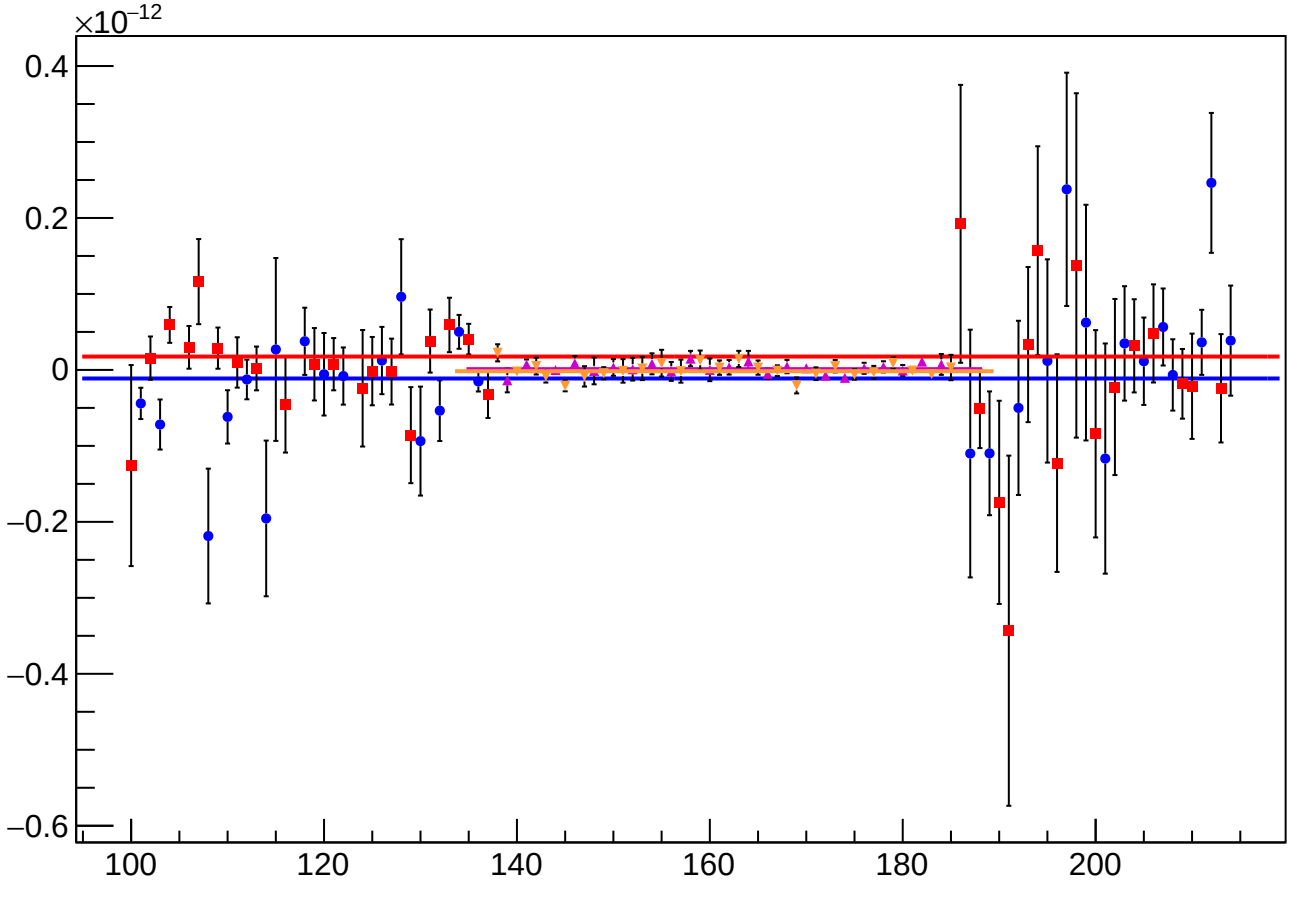
Right Out: 28.142+/-0.005 χ^2/NDF: 3045779.0/33

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.597+/-0.003 χ^2/NDF: 7183620.3/54

All: 27.715+/-0.002 χ^2/NDF: 12874143.9/111

- sign 27.835+/-0.003 χ^2/NDF: 5688164.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 47.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

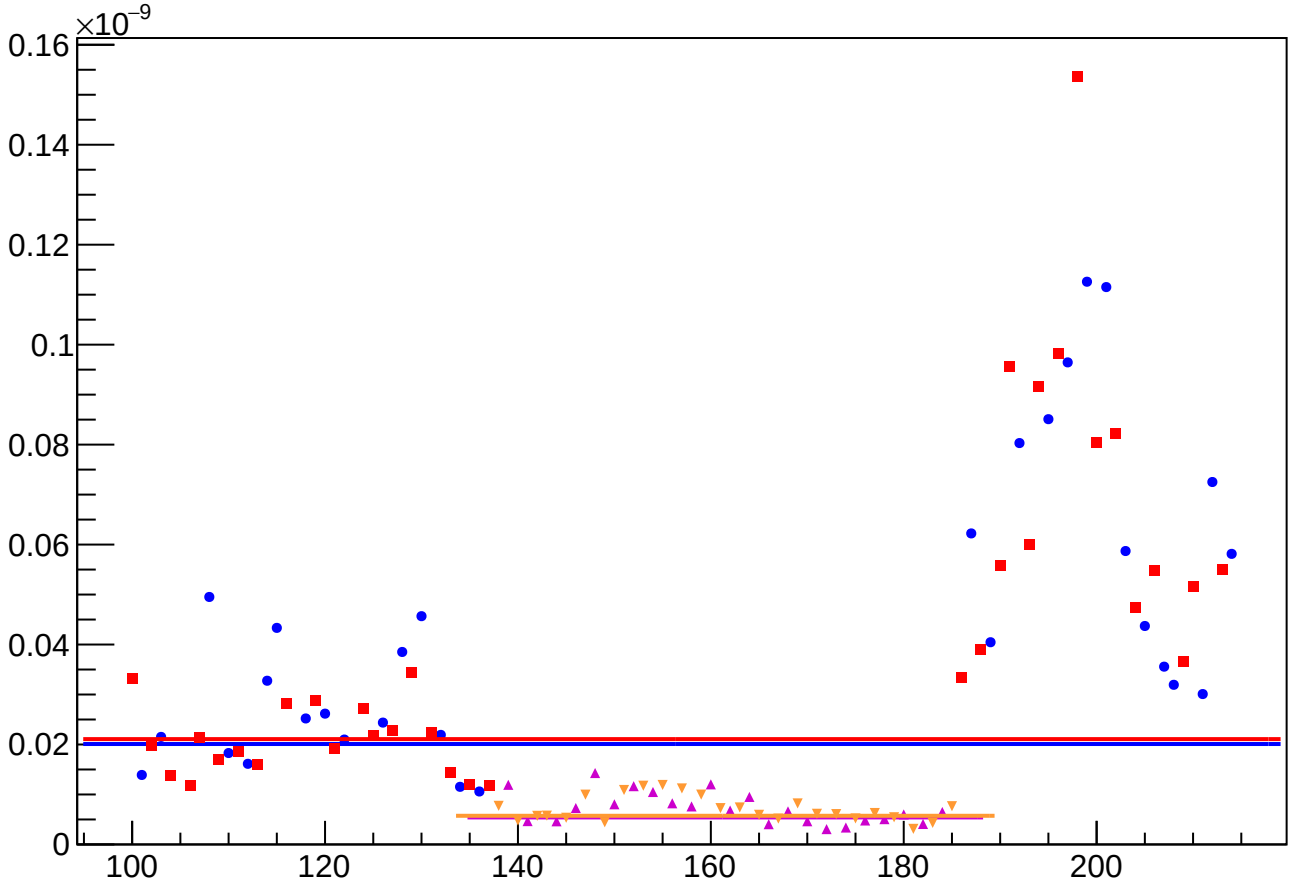
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/33

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

\+ sign -0.000+/-0.000 χ^2/NDF: 73.7/54

All: -0.000+/-0.000 χ^2/NDF: 128.0/111

\- sign 0.000+/-0.000 χ^2/NDF: 51.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8026990.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6997877.8/33

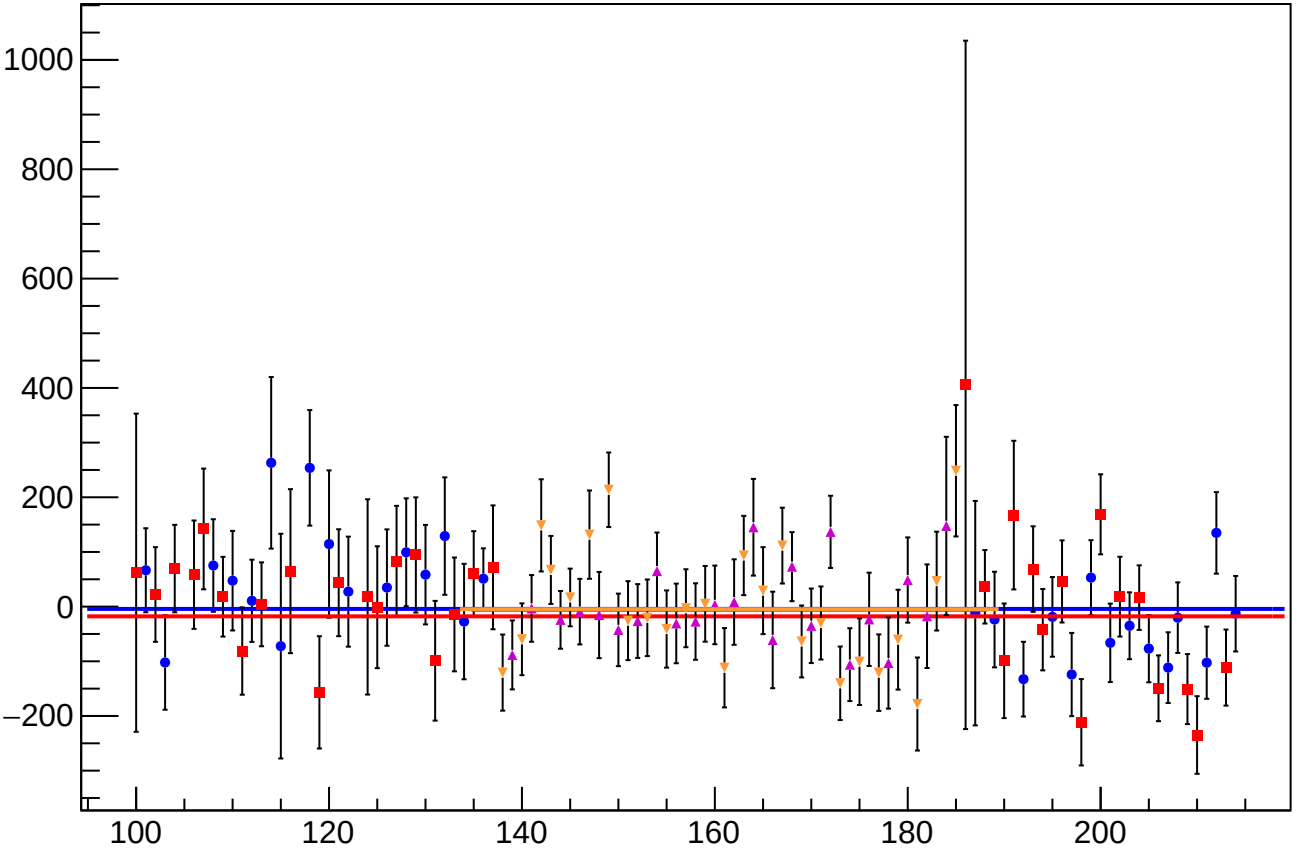
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18165878.4/54

All: 0.000+/-0.000 χ^2/NDF: 37187503.2/111

- sign 0.000+/-0.000 χ^2/NDF: 18988613.6/56

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -4.187+/-14.698 χ^2/NDF: 35.3/29

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.769+/-14.744 χ^2/NDF: 51.0/33

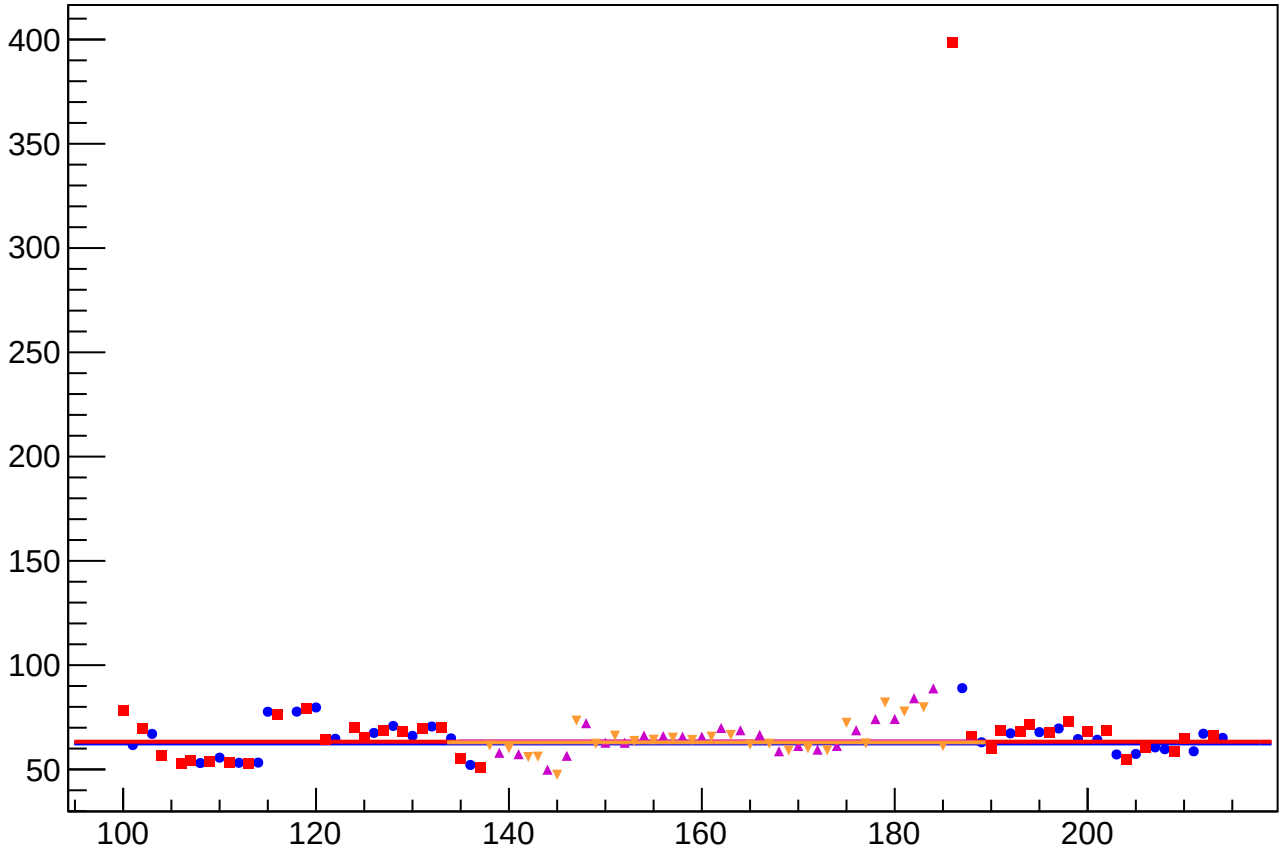
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -4.470+/-10.298 χ^2/NDF: 82.6/54

All: -8.090+/-7.349 χ^2/NDF: 152.5/111

- sign -11.848+/-10.491 χ^2/NDF: 69.6/56

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.457+/-0.010 χ^2/NDF: 395811.3/29

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

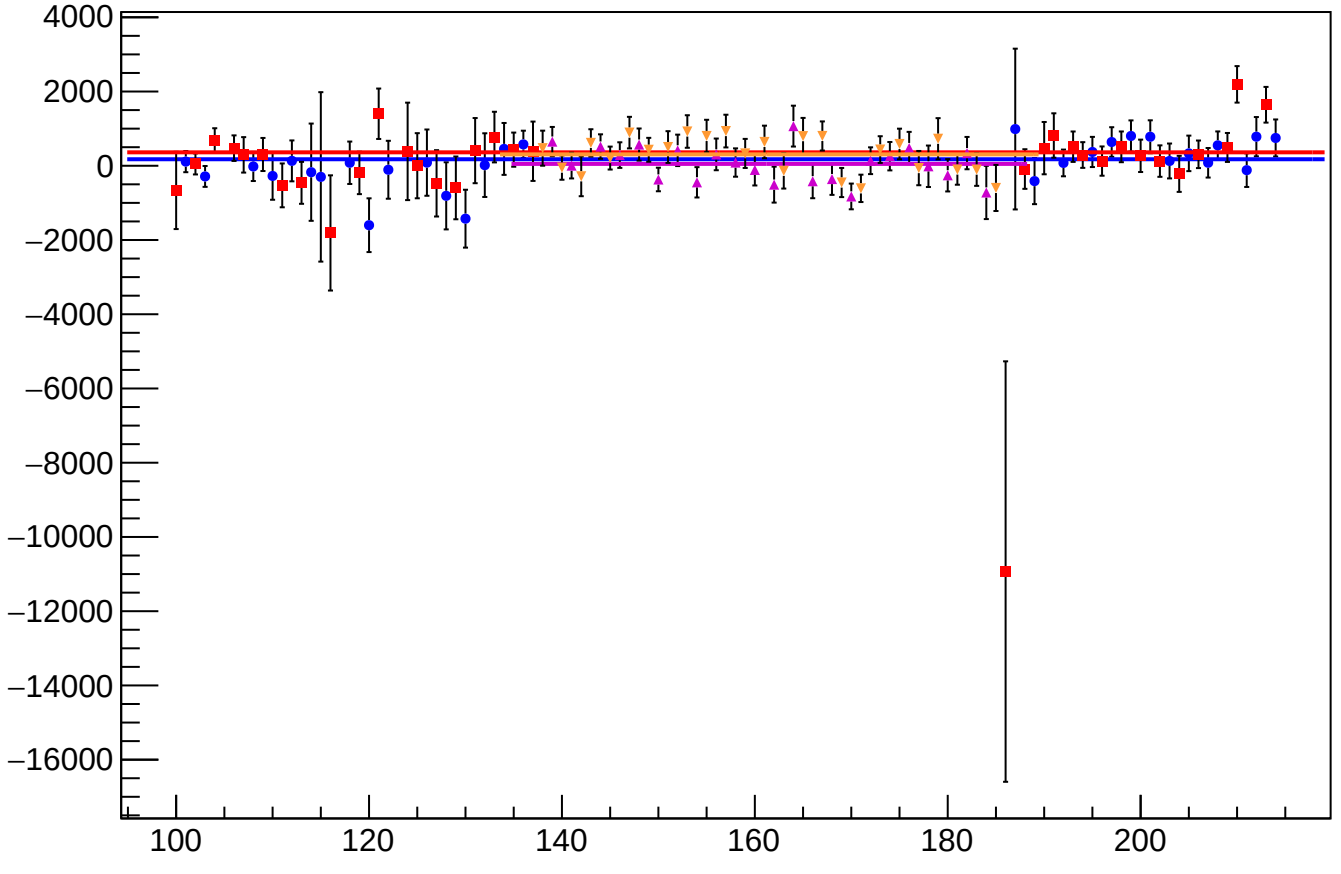
Right Out: 63.294+/-0.010 χ^2/NDF: 1029282.0/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.721+/-0.007 χ^2/NDF: 923940.6/54

All: 63.020+/-0.005 χ^2/NDF: 2453589.7/111

- sign 63.329+/-0.007 χ^2/NDF: 1526231.4/56



Right In: 175.482+/-88.423 χ^2/NDF: 27.6/29

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 361.855+/-84.944 χ^2/NDF: 44.5/33

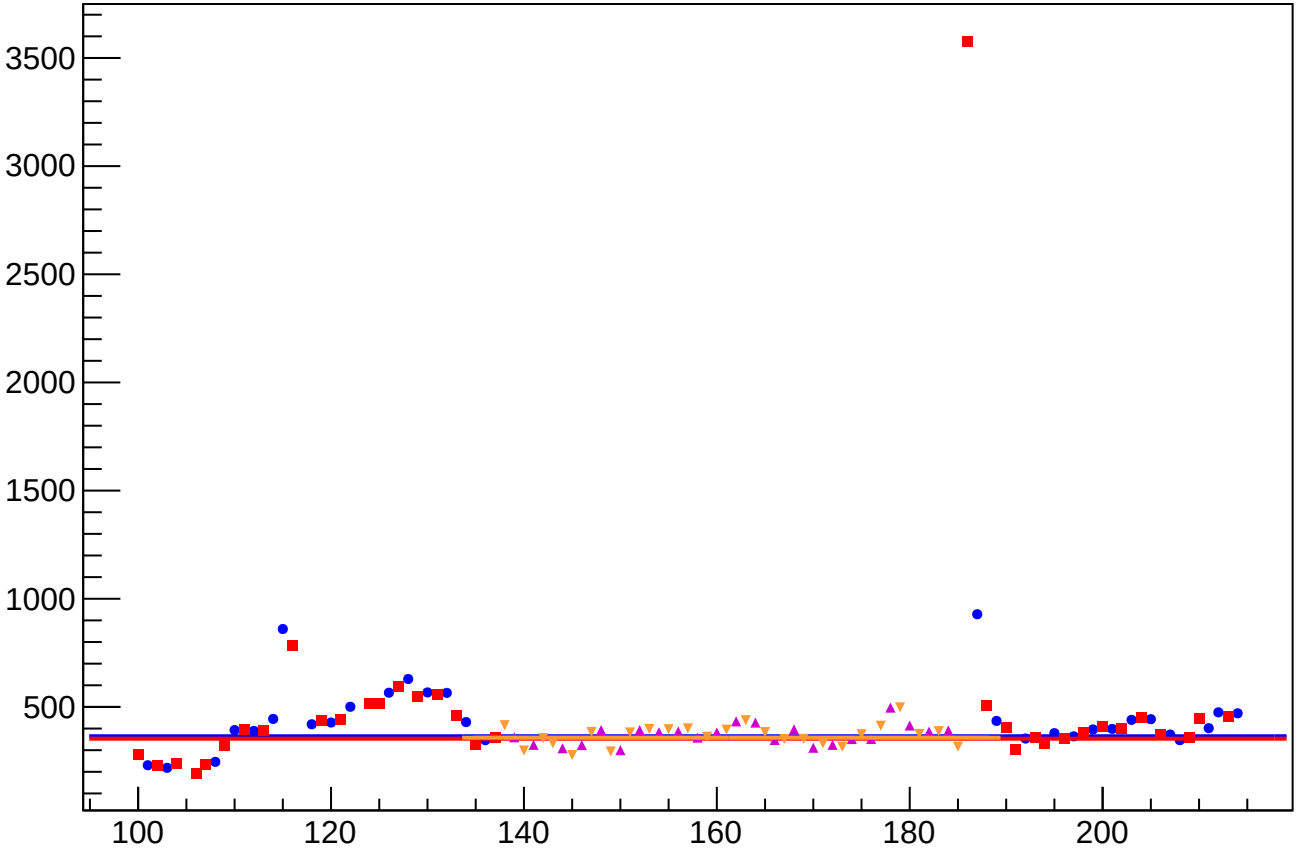
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 246.002+/-60.267 χ^2/NDF: 59.5/54

All: 225.795+/-42.530 χ^2/NDF: 138.2/111

- sign 205.749+/-60.027 χ^2/NDF: 78.5/56

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 364.358+/-0.063 χ^2/NDF: 2399726.8/29

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 353.097+/-0.060 χ^2/NDF: 3163579.5/33

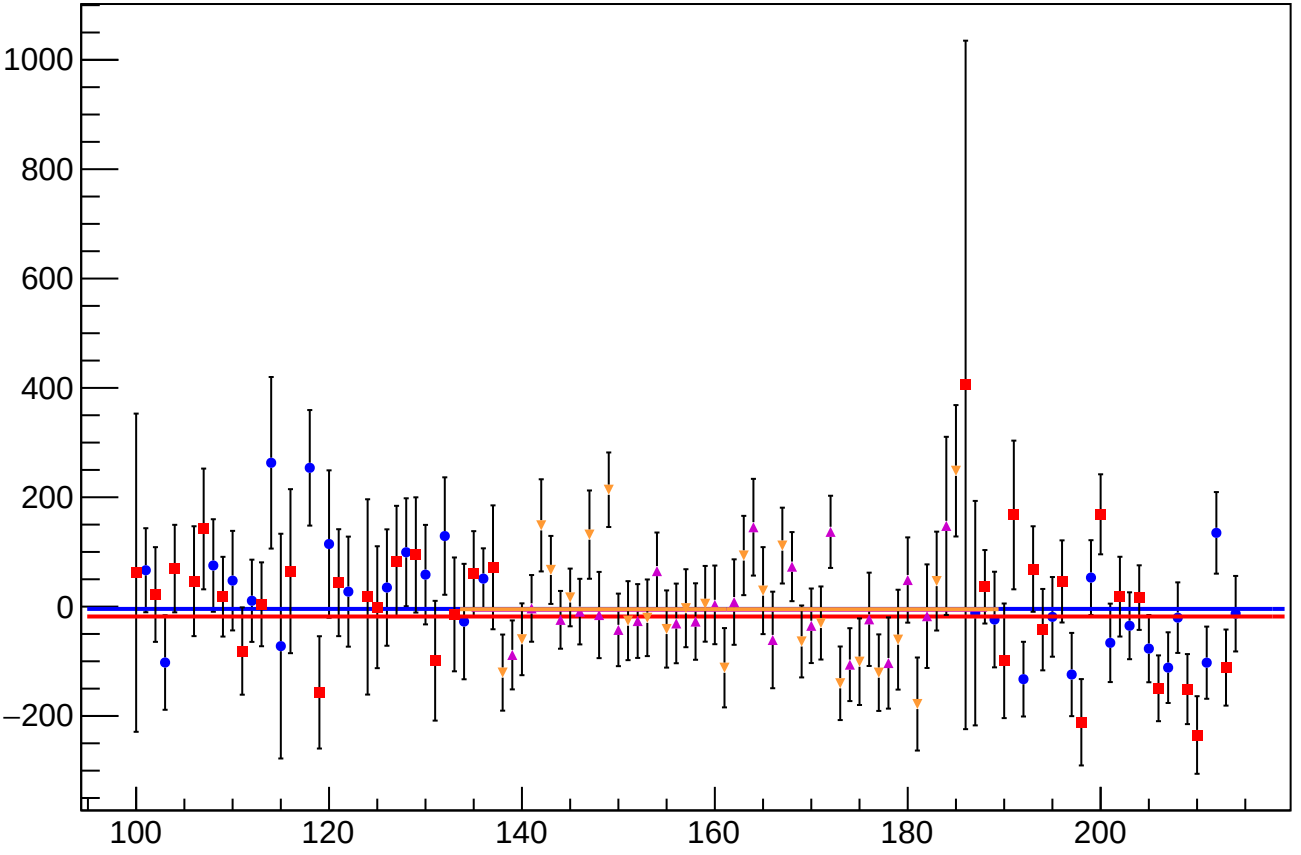
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 360.810+/-0.043 χ^2/NDF: 3089471.6/54

All: 358.509+/-0.030 χ^2/NDF: 6784041.3/11

- sign 356.227+/-0.042 χ^2/NDF: 3688765.2/56

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.192+/-14.698 χ^2/NDF: 35.3/29

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.074+/-14.749 χ^2/NDF: 50.8/33

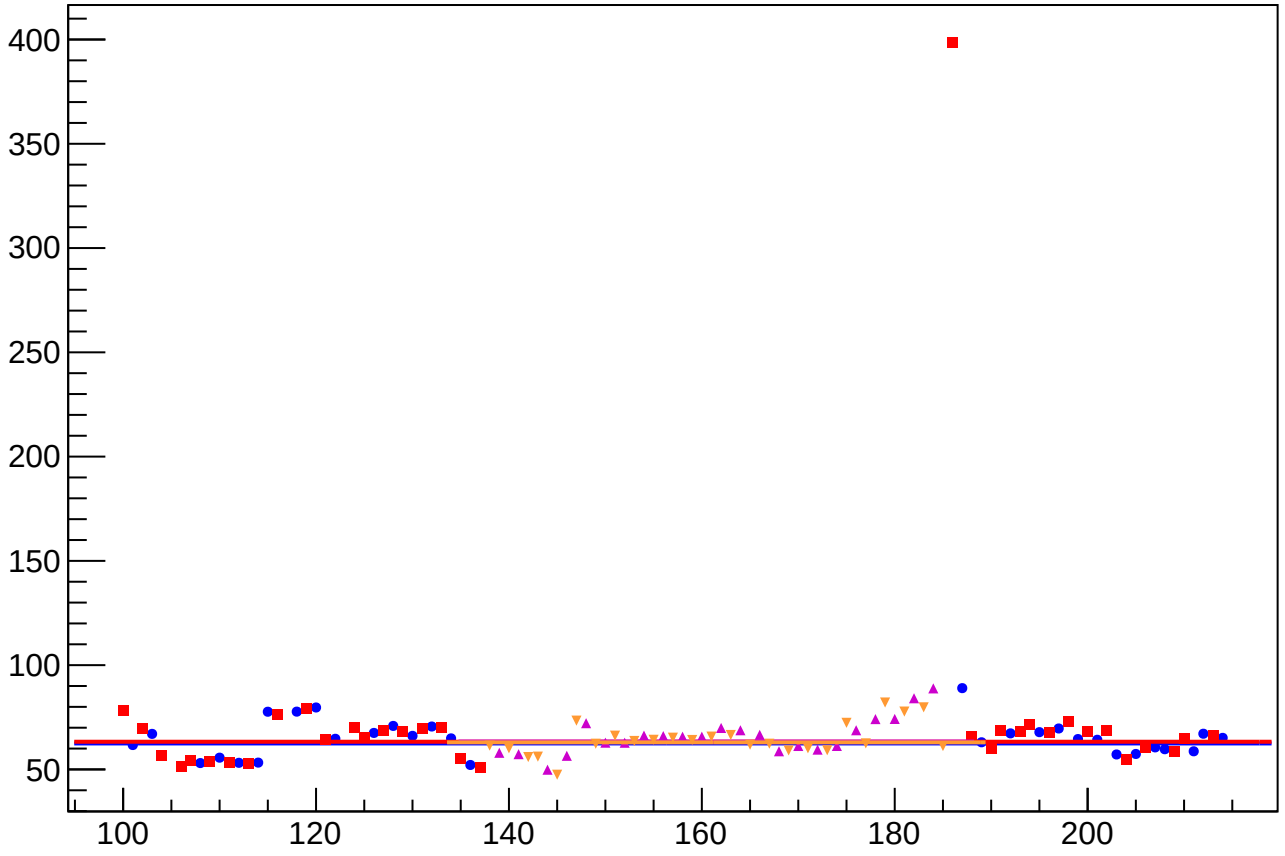
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.475+/-10.298 χ^2/NDF: 82.6/54

All: -8.167+/-7.350 χ^2/NDF: 152.3/111

- sign -12.000+/-10.493 χ^2/NDF: 69.5/56

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.457+/-0.010 χ^2/NDF: 395811.4/29

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

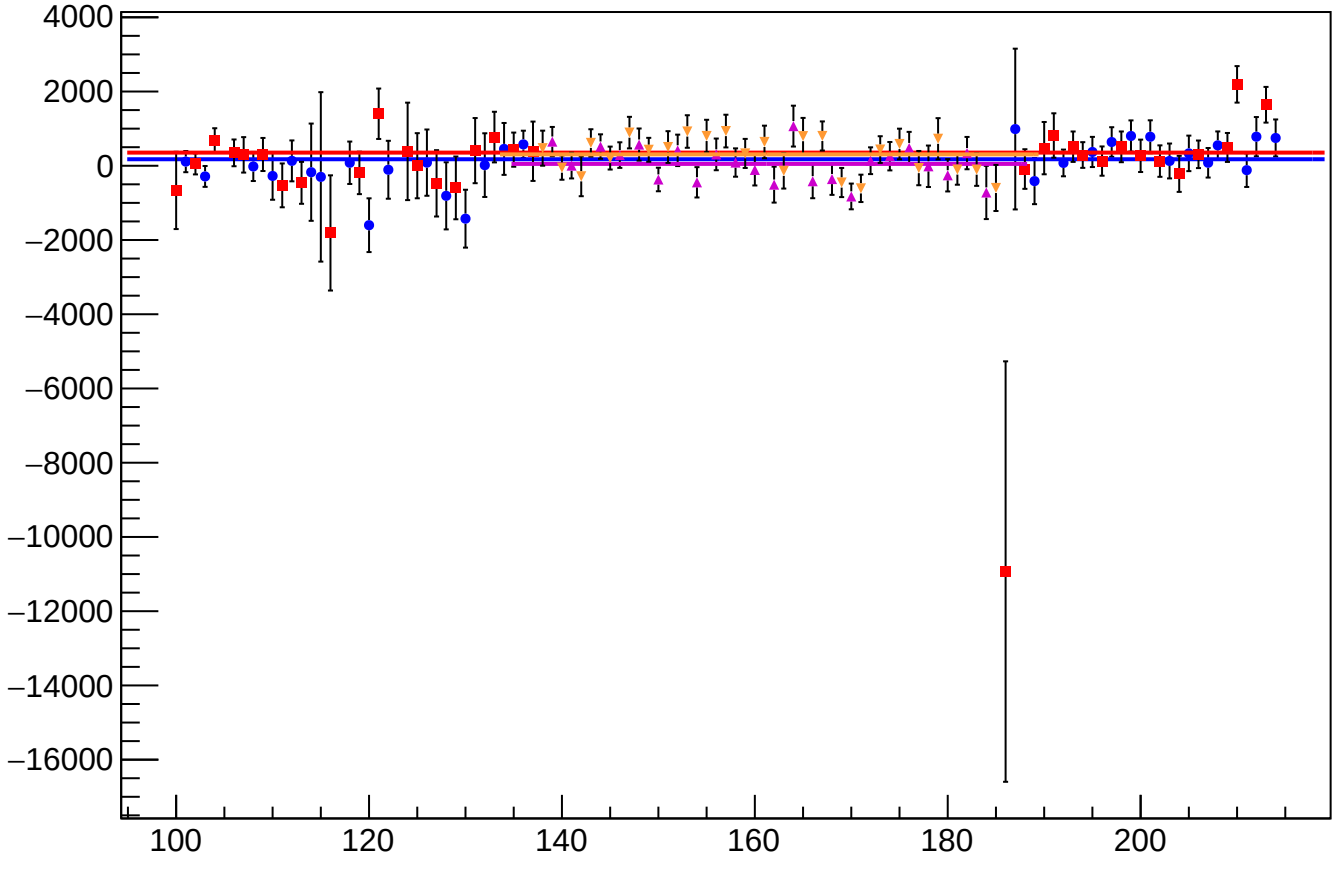
Right Out: 63.278+/-0.010 χ^2/NDF: 1033396.3/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.721+/-0.007 χ^2/NDF: 923940.8/54

All: 63.016+/-0.005 χ^2/NDF: 2457625.2/111

- sign 63.321+/-0.007 χ^2/NDF: 1530357.4/56



Right In: 175.487+/-88.424 χ^2/NDF: 27.6/29

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 354.331+/-85.174 χ^2/NDF: 44.3/33

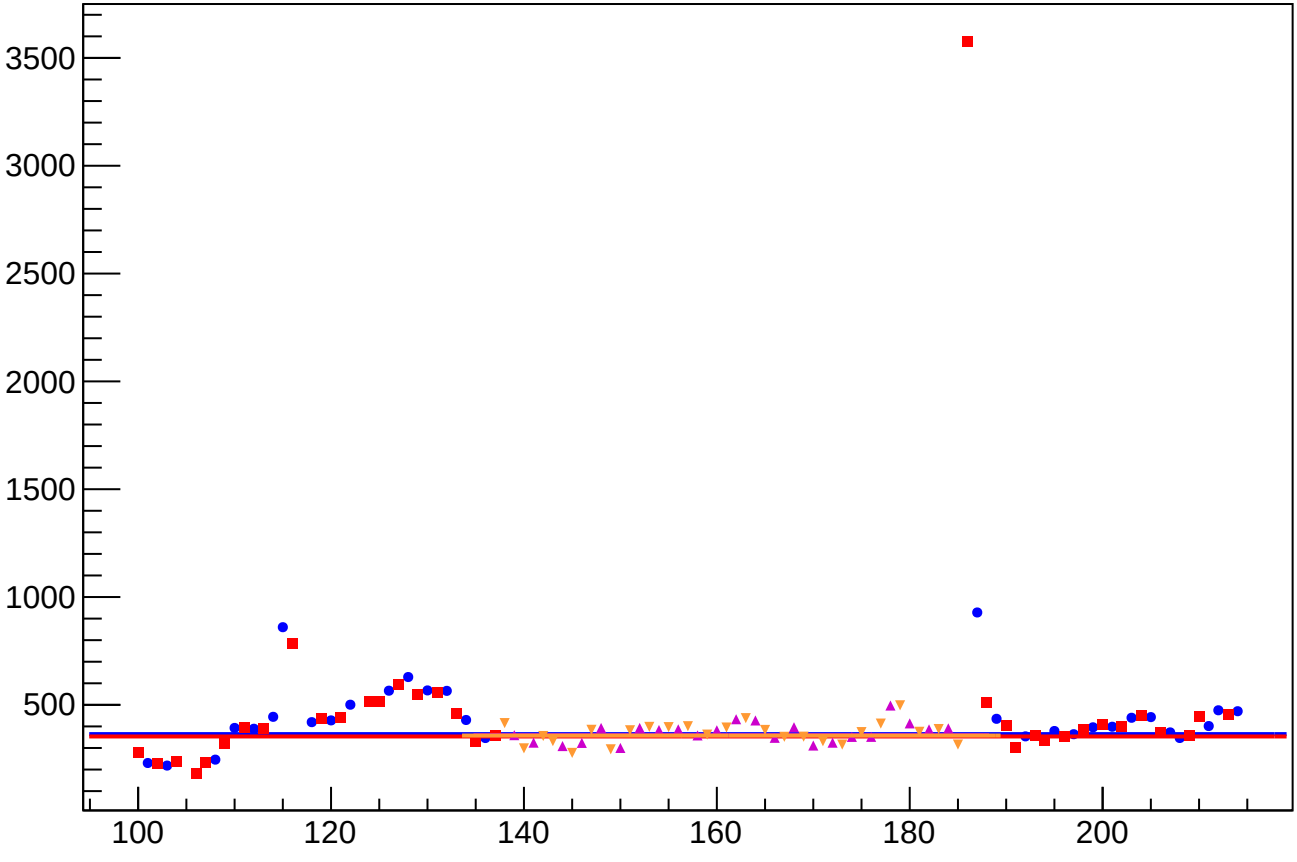
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 246.001+/-60.268 χ^2/NDF: 59.5/54

All: 223.730+/-42.559 χ^2/NDF: 137.7/111

- sign 201.578+/-60.108 χ^2/NDF: 78.0/56

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 364.360+/-0.063 χ^2/NDF: 2399637.7/29

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF: 3177702.1/33

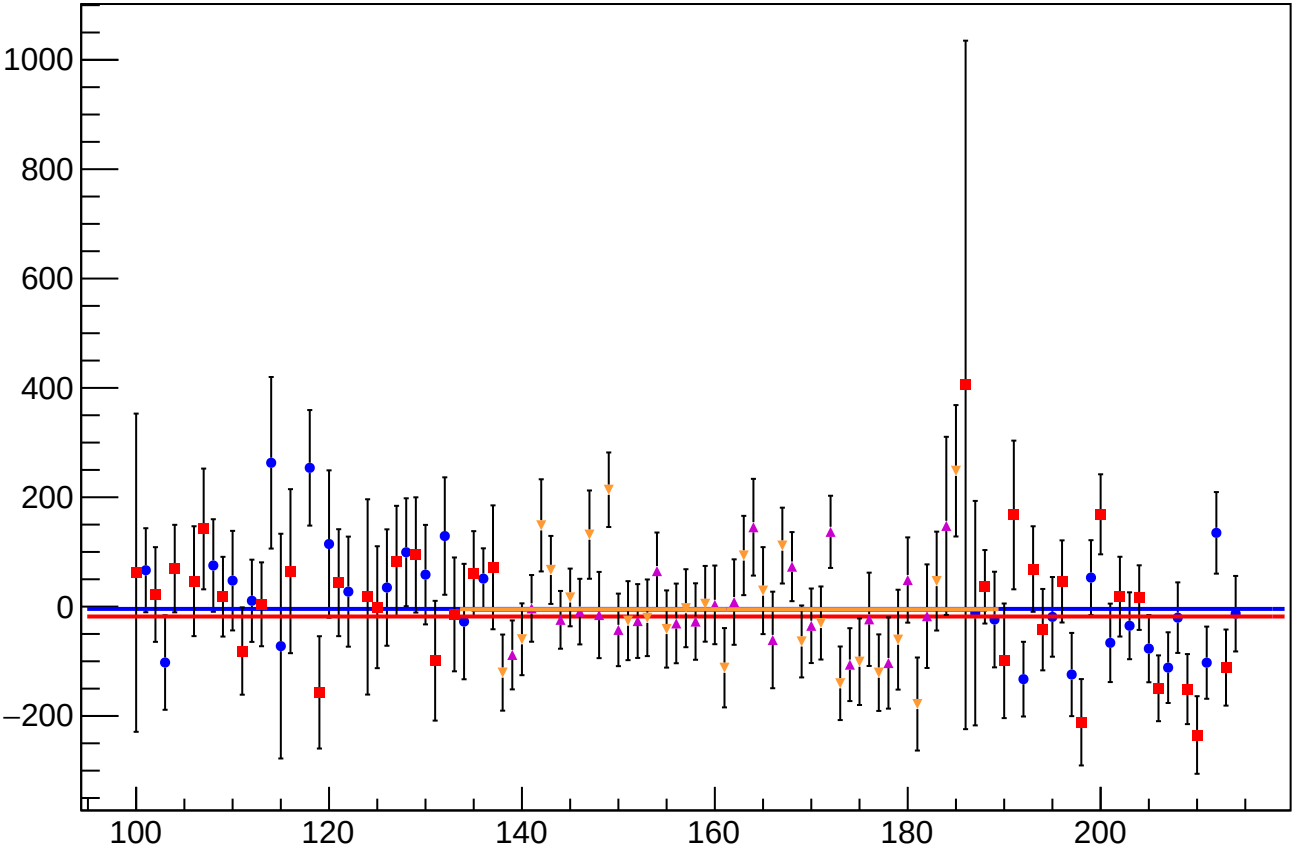
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 360.811+/-0.043 χ^2/NDF: 3089381.1/54

All: 358.593+/-0.030 χ^2/NDF: 6797143.6/11

- sign 356.387+/-0.043 χ^2/NDF: 3702362.0/56

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -4.192+/-14.698 χ^2/NDF: 35.3/29

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.074+/-14.749 χ^2/NDF: 50.8/33

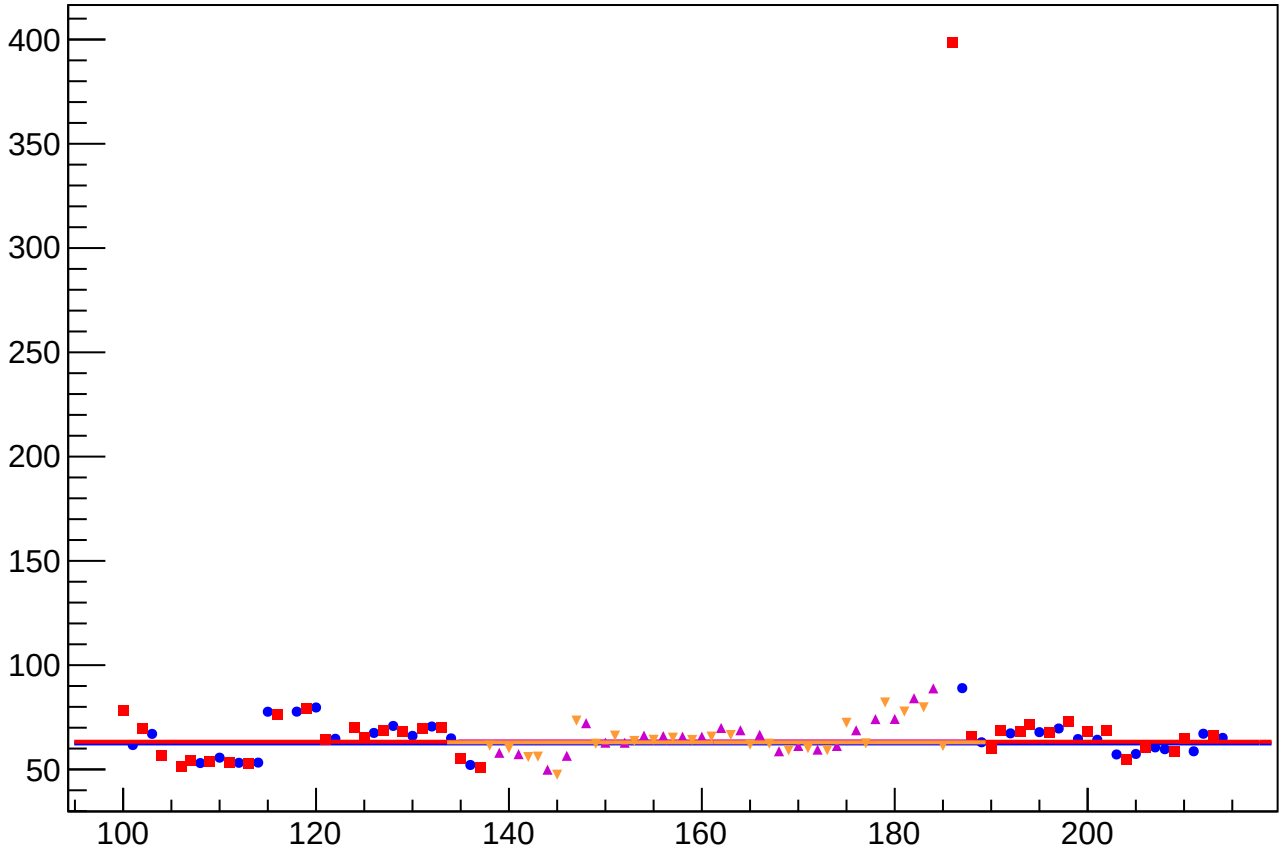
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -4.475+/-10.298 χ^2/NDF: 82.6/54

All: -8.167+/-7.350 χ^2/NDF: 152.3/111

- sign -12.000+/-10.493 χ^2/NDF: 69.5/56

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.457+/-0.010 χ^2/NDF: 395811.4/29

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

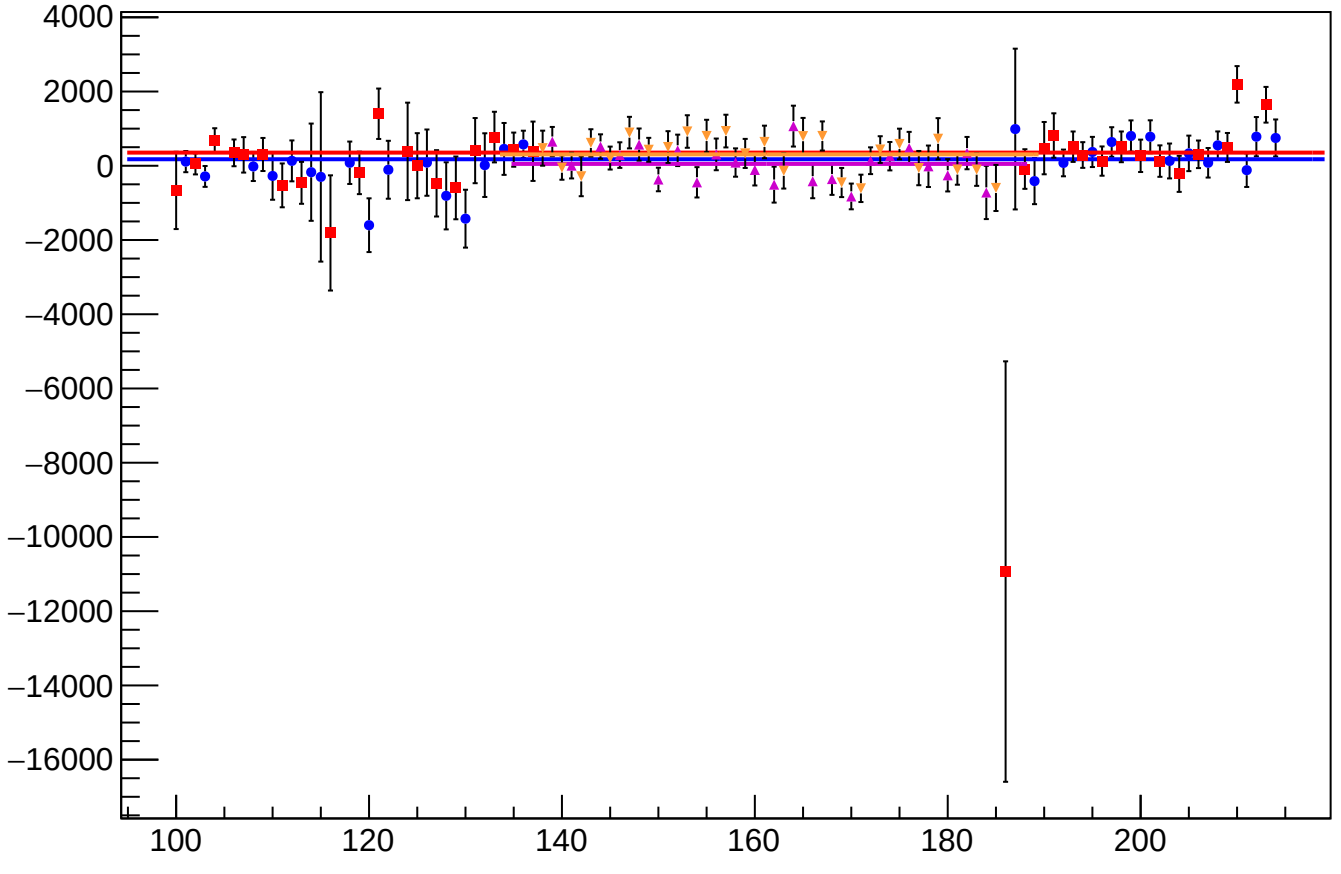
Right Out: 63.278+/-0.010 χ^2/NDF: 1033396.3/33

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.721+/-0.007 χ^2/NDF: 923940.8/54

All: 63.016+/-0.005 χ^2/NDF: 2457625.2/111

- sign 63.321+/-0.007 χ^2/NDF: 1530357.4/56



Right In: 175.487+/-88.424 χ^2/NDF: 27.6/29

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

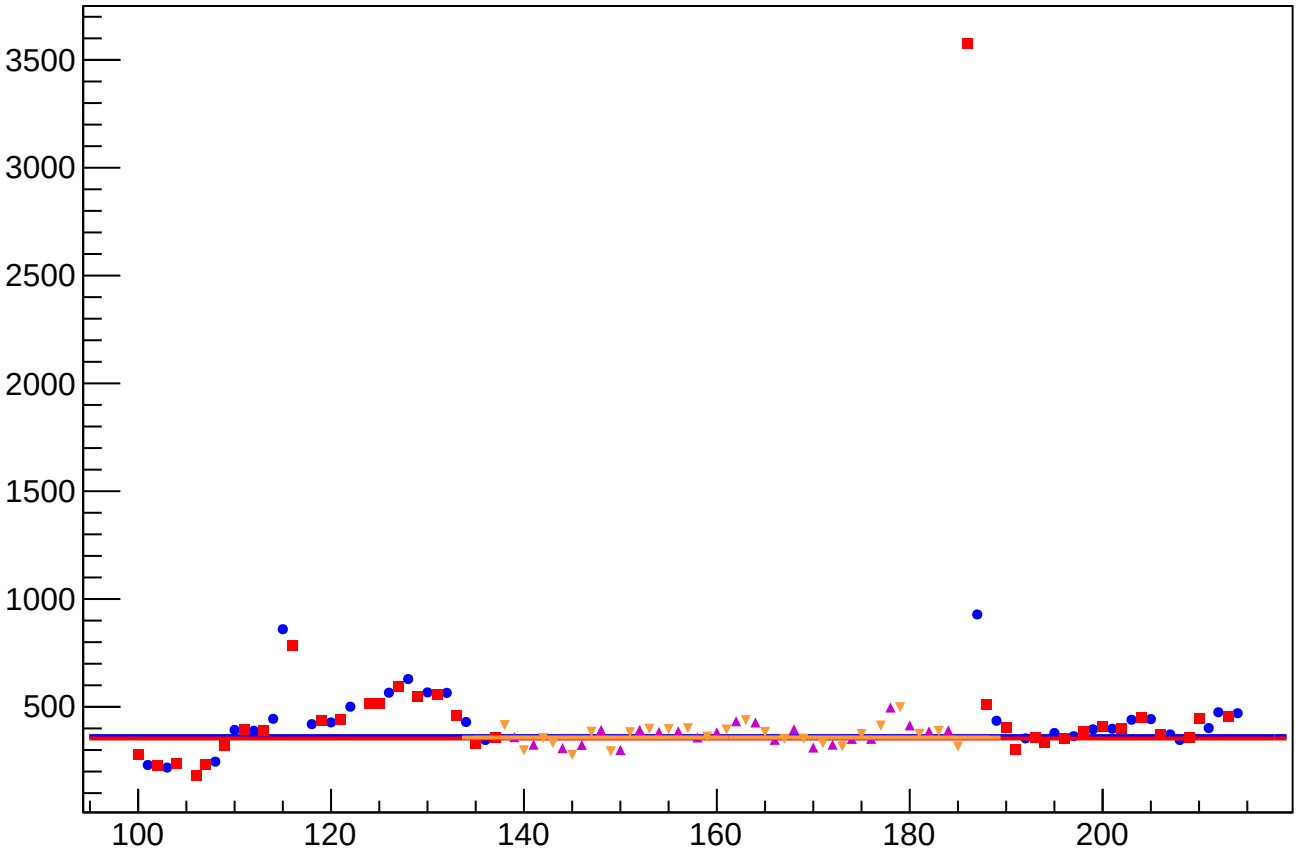
Right Out: 354.331+/-85.174 χ^2/NDF: 44.3/33

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

\+ sign 246.001+/-60.268 χ^2/NDF: 59.5/54

All: 223.730+/-42.559 χ^2/NDF: 137.7/111

\- sign 201.578+/-60.108 χ^2/NDF: 78.0/56



Right In: 364.360+/-0.063 χ^2/NDF: 2399637.7/29

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 353.401+/-0.060 χ^2/NDF: 3177702.1/33

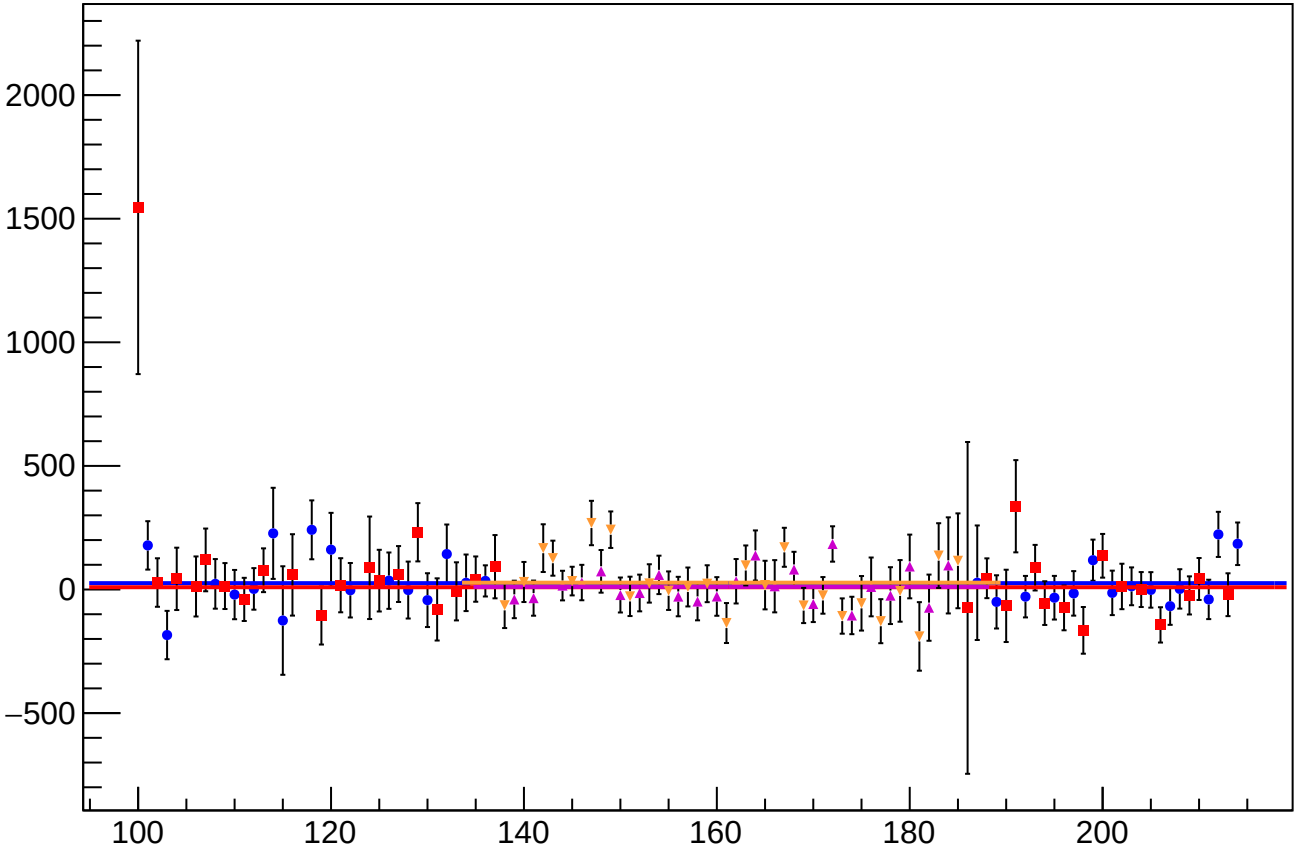
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 360.811+/-0.043 χ^2/NDF: 3089381.1/54

All: 358.593+/-0.030 χ^2/NDF: 6797143.6/11

- sign 356.387+/-0.043 χ^2/NDF: 3702362.0/56

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.730+/-17.381 χ^2/NDF: 28.2/29

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 9.209+/-17.637 χ^2/NDF: 29.3/33

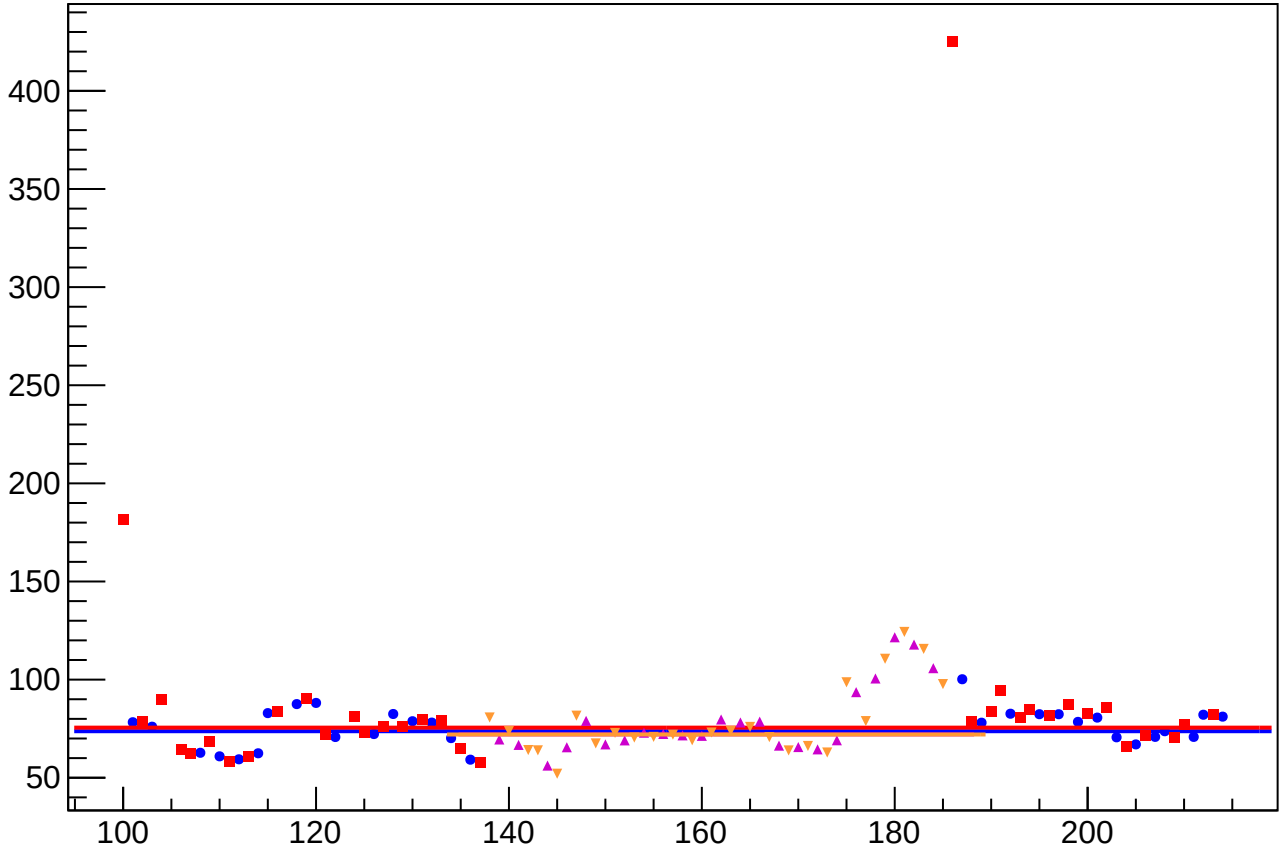
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 26.714+/-12.058 χ^2/NDF: 70.6/54

All: 18.480+/-8.619 χ^2/NDF: 116.9/111

- sign 9.880+/-12.323 χ^2/NDF: 45.4/56

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.709+/-0.012 χ^2/NDF: 471609.2/29

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.532+/-0.012 χ^2/NDF: 1117045.8/33

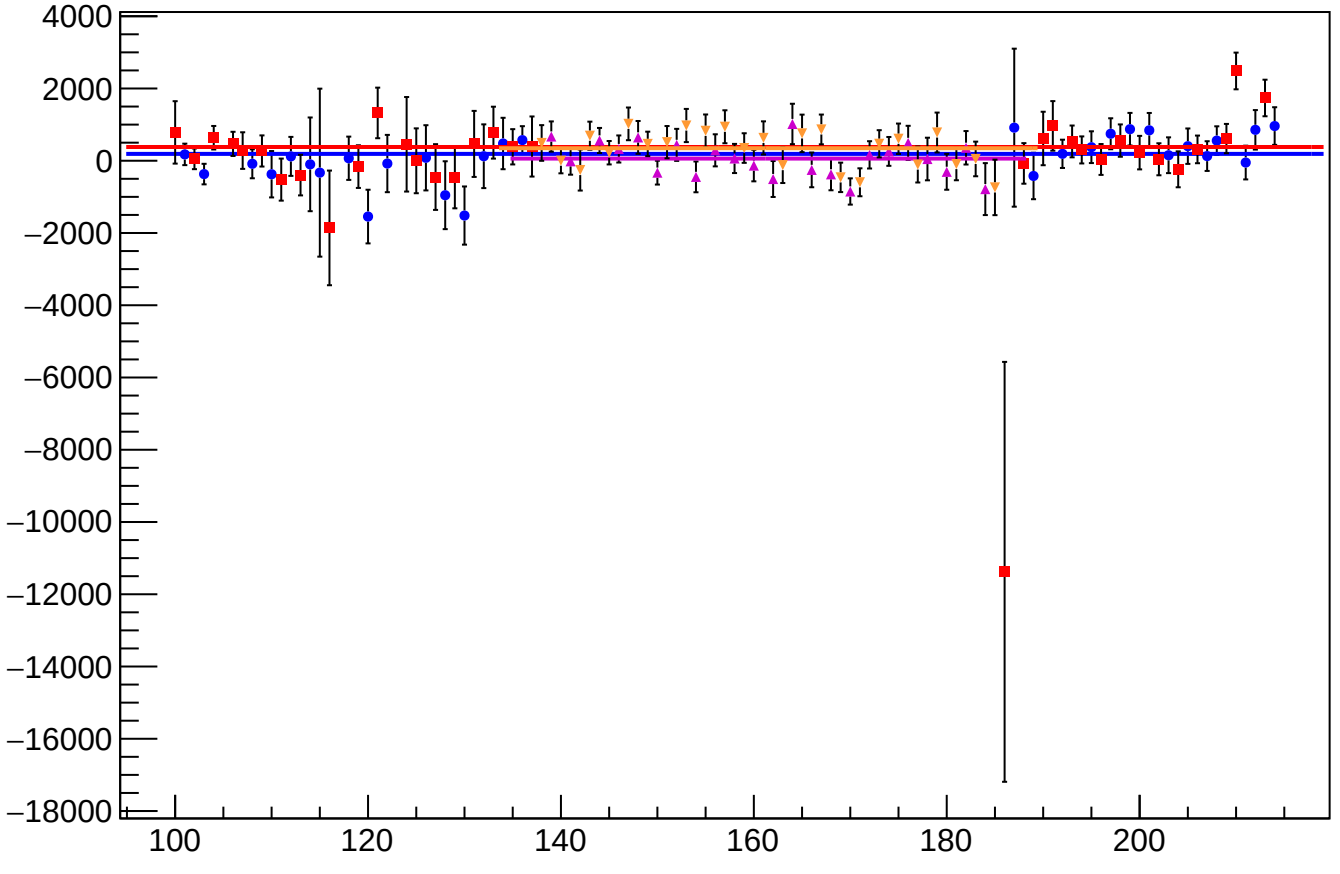
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

\+ sign 72.844+/-0.009 χ^2/NDF: 1750638.8/54

All: 73.297+/-0.006 χ^2/NDF: 3971275.1/111

\- sign 73.771+/-0.009 χ^2/NDF: 2214844.1/56

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 189.661+/-92.128 χ^2/NDF: 30.0/29

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 380.470+/-87.645 χ^2/NDF: 47.1/33

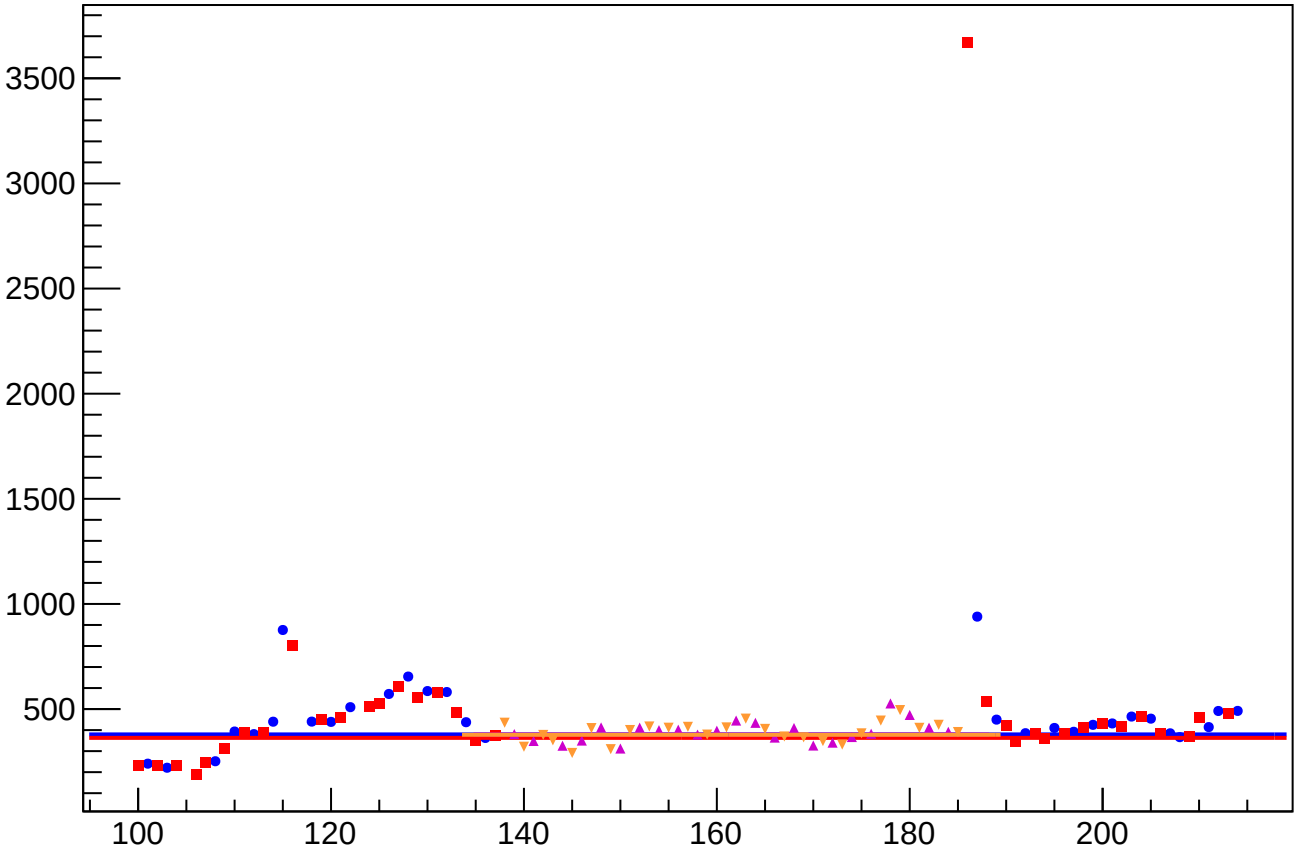
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 272.447+/-63.185 χ^2/NDF: 60.5/54

All: 247.684+/-44.467 χ^2/NDF: 140.3/111

- sign 223.386+/-62.590 χ^2/NDF: 79.5/56

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 379.506+/-0.065 χ^2/NDF: 2466220.6/29

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 363.051+/-0.062 χ^2/NDF: 3460375.0/33

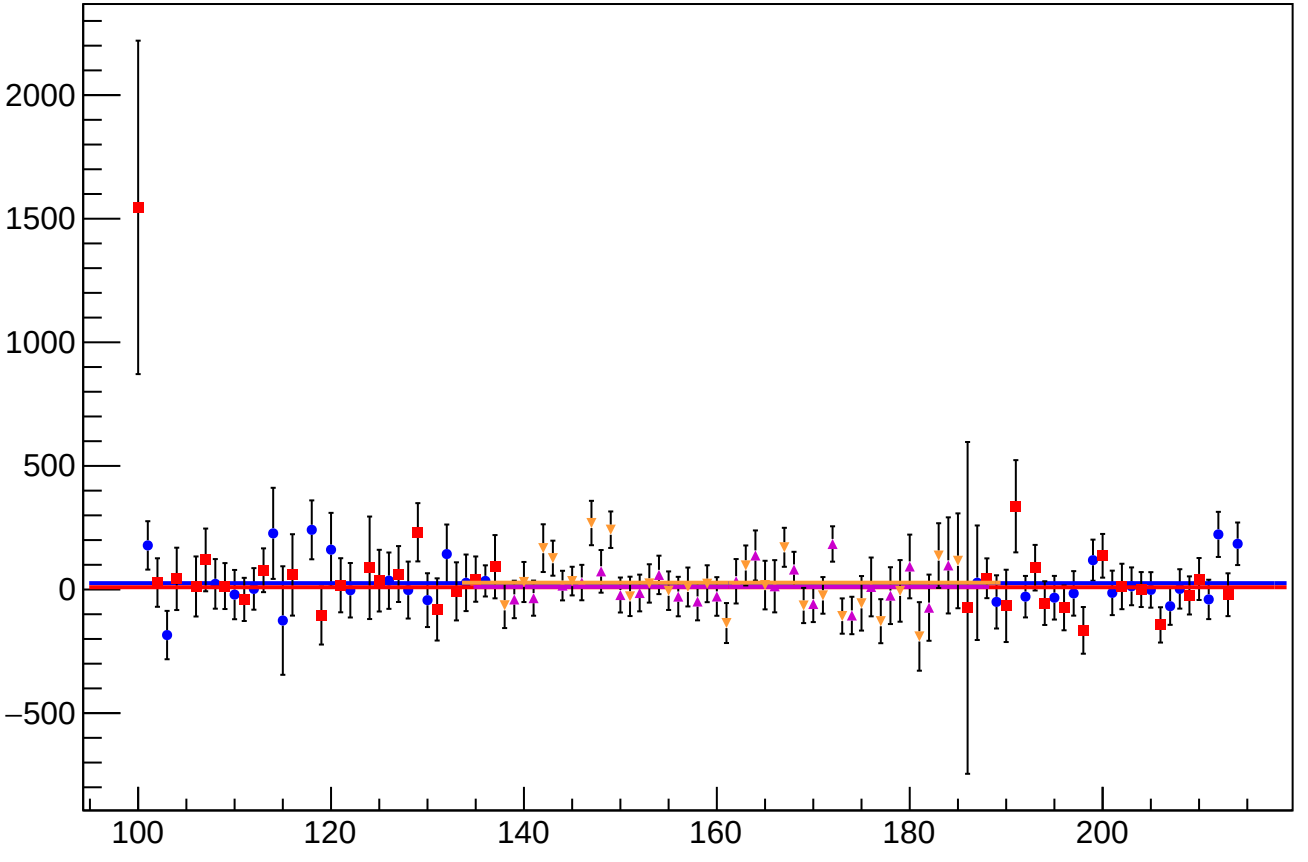
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 378.601+/-0.045 χ^2/NDF: 3103300.2/54

All: 374.665+/-0.031 χ^2/NDF: 7138658.2/111

- sign 370.803+/-0.044 χ^2/NDF: 4019981.9/56

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 25.730+/-17.381 χ^2/NDF: 28.2/29

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 9.208+/-17.637 χ^2/NDF: 29.3/33

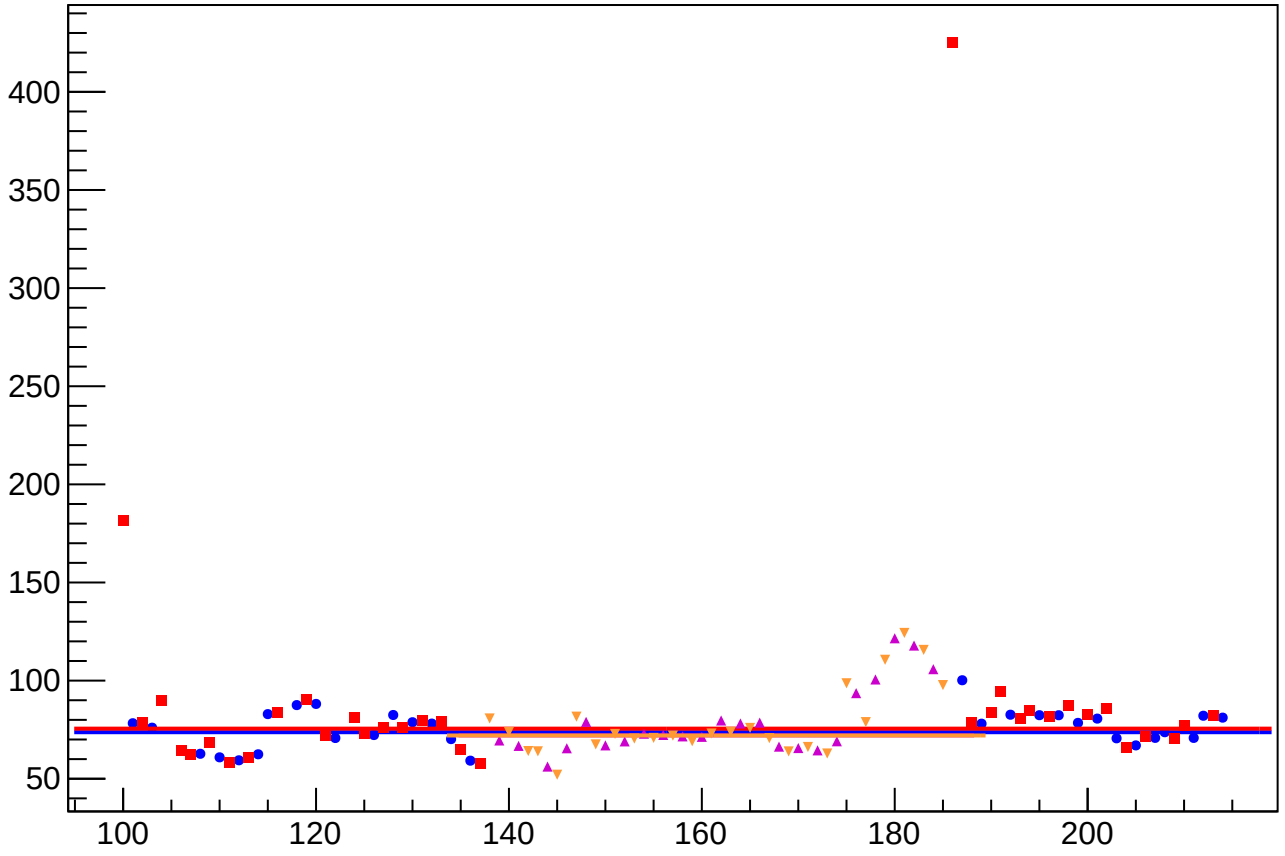
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

\+ sign 26.714+/-12.058 χ^2/NDF: 70.6/54

All: 18.480+/-8.619 χ^2/NDF: 116.9/111

\- sign 9.880+/-12.323 χ^2/NDF: 45.4/56

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.709+/-0.012 χ^2/NDF: 471602.7/29

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

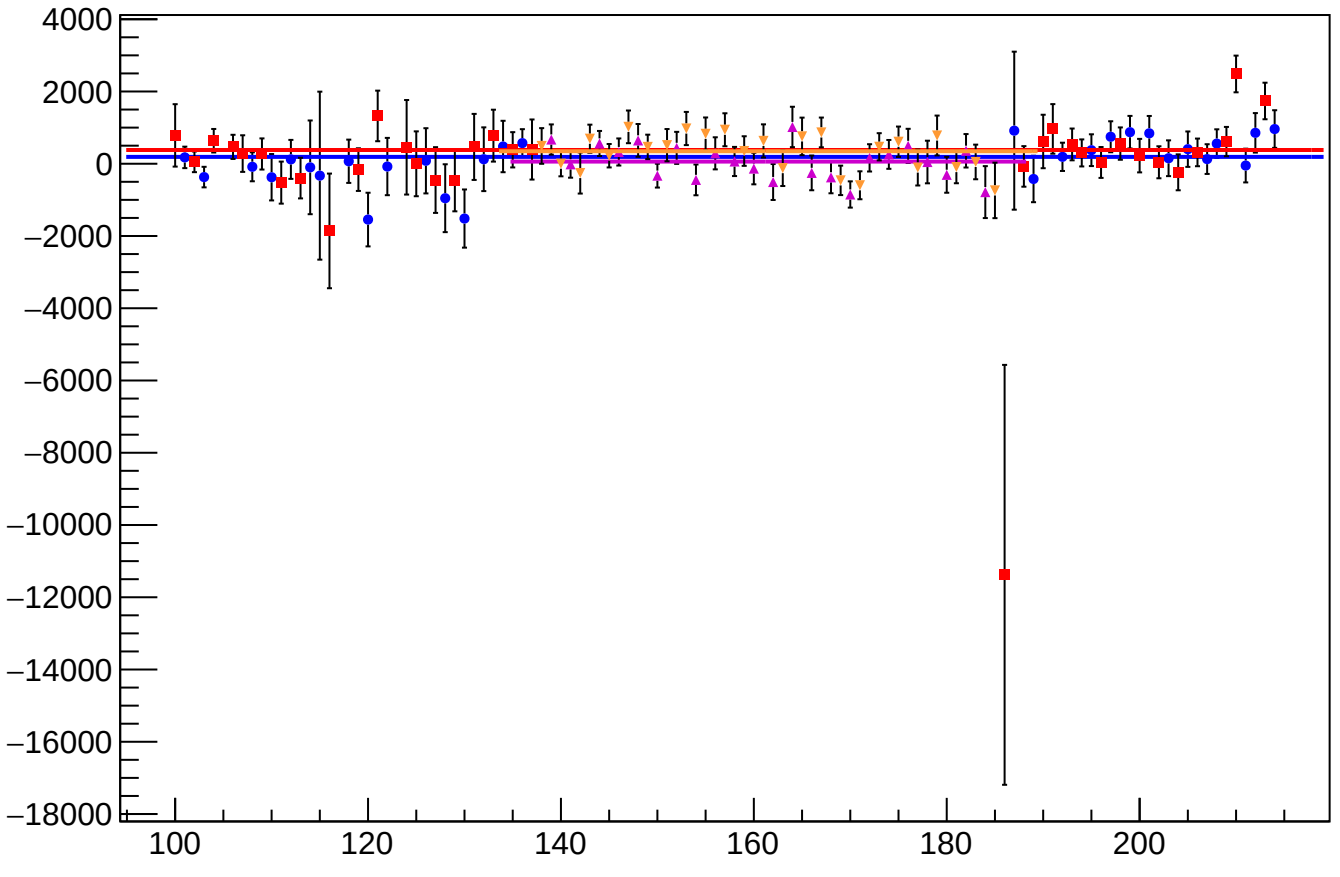
Right Out: 75.532+/-0.012 χ^2/NDF: 1117043.8/33

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.844+/-0.009 χ^2/NDF: 1750639.7/54

All: 73.297+/-0.006 χ^2/NDF: 3971263.1/111

- sign 73.771+/-0.009 χ^2/NDF: 2214831.5/56



Right In: 189.661+/-92.128 χ^2/NDF: 30.0/29

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

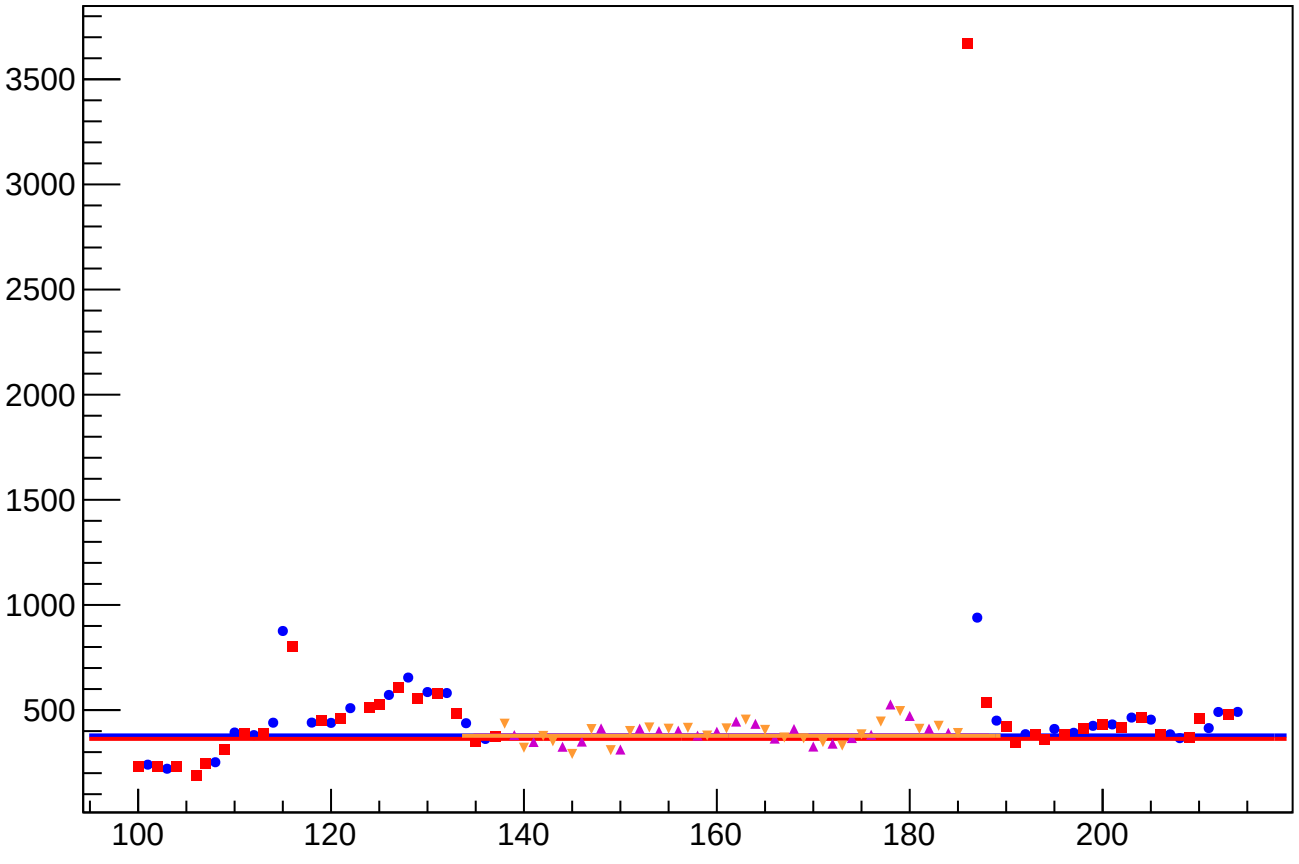
Right Out: 380.470+/-87.645 χ^2/NDF: 47.1/33

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 272.447+/-63.185 χ^2/NDF: 60.5/54

All: 247.684+/-44.467 χ^2/NDF: 140.3/111

- sign 223.385+/-62.590 χ^2/NDF: 79.5/56



Right In: 379.506+/-0.065 χ^2/NDF: 2466207.5/29

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 363.051+/-0.062 χ^2/NDF: 3460359.7/33

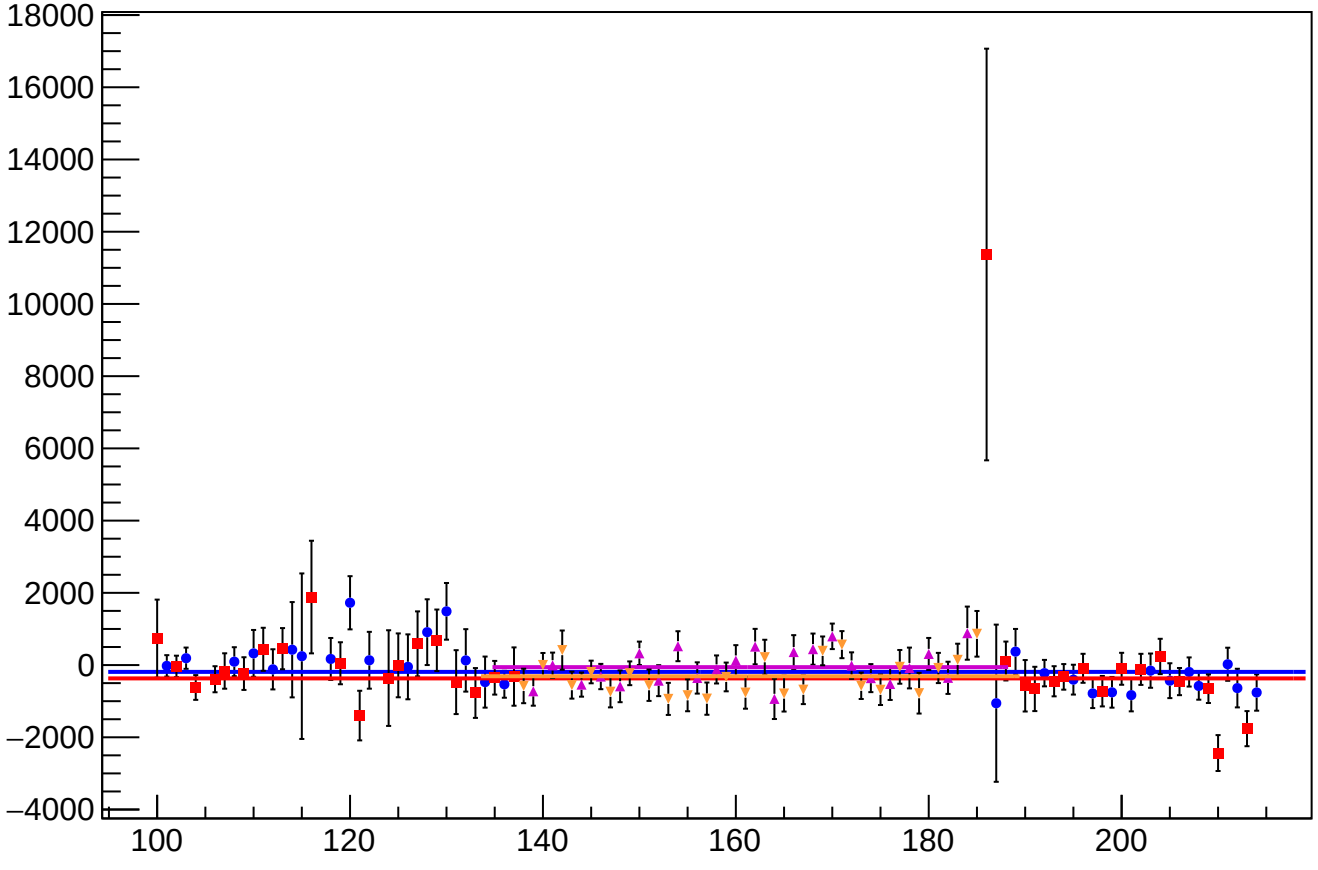
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 378.601+/-0.045 χ^2/NDF: 3103287.2/54

All: 374.665+/-0.031 χ^2/NDF: 7138625.3/111

- sign 370.802+/-0.044 χ^2/NDF: 4019961.8/56

asym_sam_37_48_dd_mean vs Slug



Right In: -188.847+/-90.133 χ^2/NDF: 28.6/29

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -369.450+/-86.755 χ^2/NDF: 50.0/33

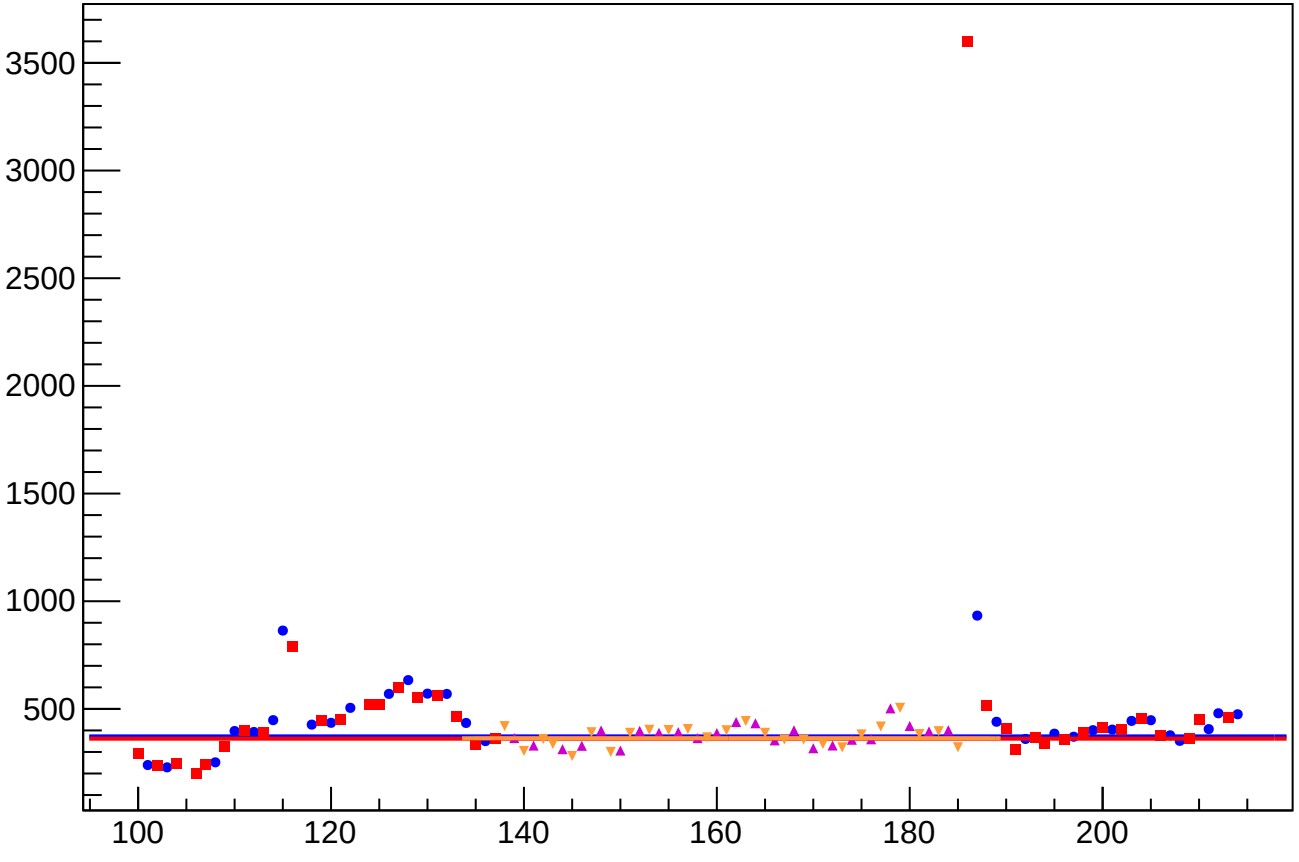
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -253.537+/-61.335 χ^2/NDF: 59.5/54

All: -232.979+/-43.307 χ^2/NDF: 144.2/111

- sign -212.540+/-61.157 χ^2/NDF: 84.4/56

asym_sam_37_48_dd_rms vs Slug



Right In: 372.383+/-0.064 χ^2/NDF: 2222128.2/29

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

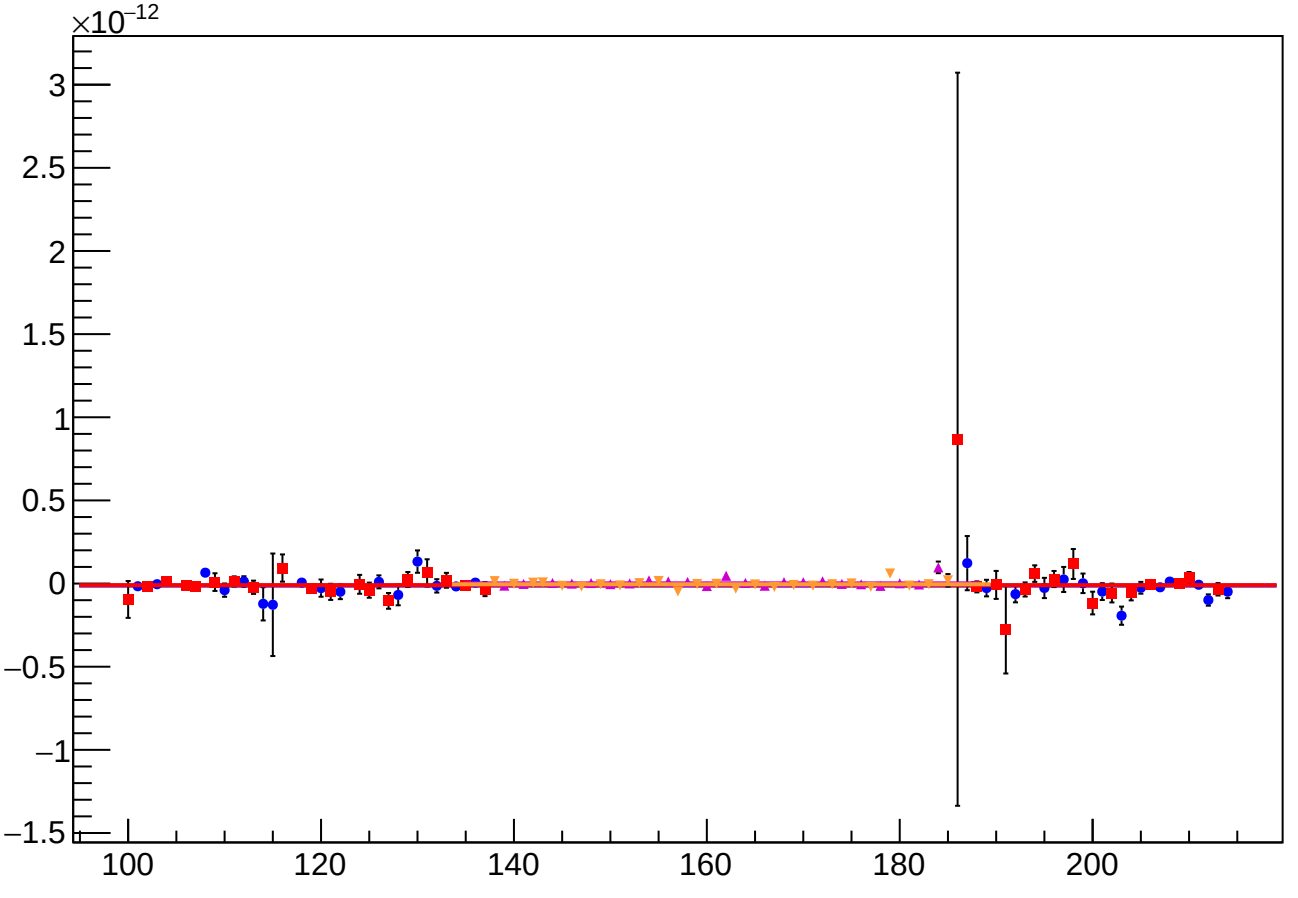
Right Out: 361.699+/-0.061 χ^2/NDF: 2964392.3/33

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 367.728+/-0.043 χ^2/NDF: 2901306.7/54

All: 365.619+/-0.031 χ^2/NDF: 6381668.8/111

- sign 363.522+/-0.043 χ^2/NDF: 3475645.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 40.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

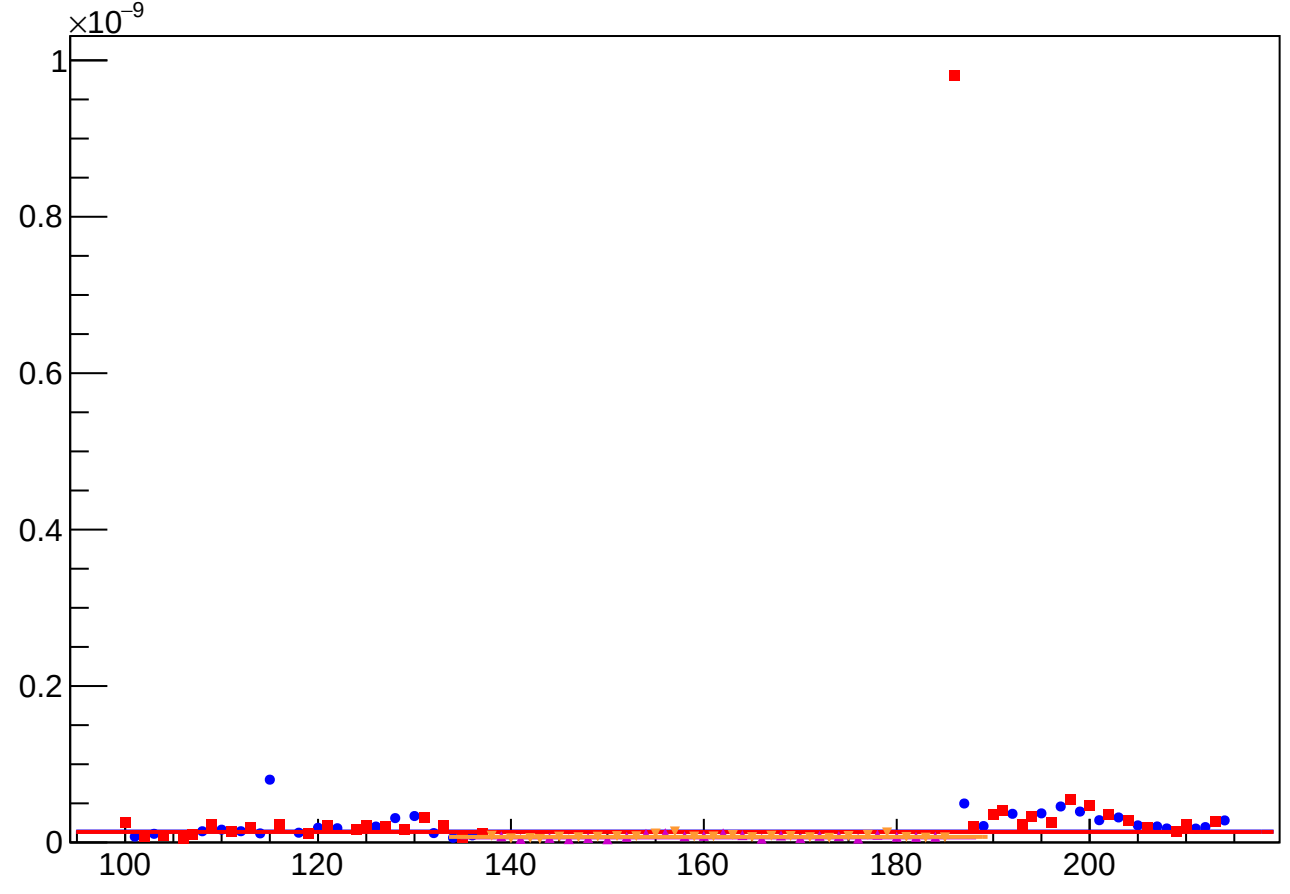
Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/33

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.5/54

All: -0.000+/-0.000 χ^2/NDF: 116.1/111

- sign -0.000+/-0.000 χ^2/NDF: 50.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 4338999.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120415.3/33

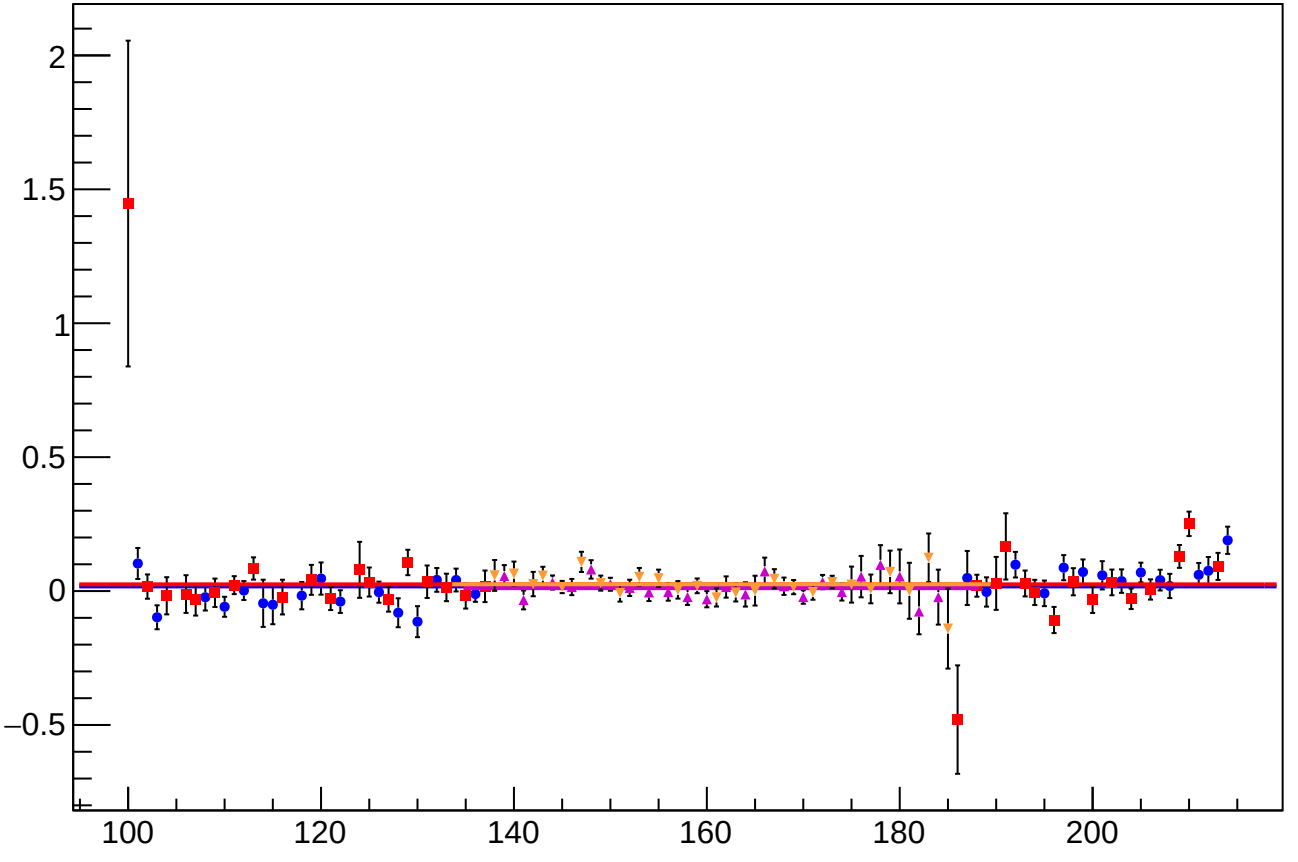
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

\+ sign 0.000+/-0.000 χ^2/NDF: 7647141.9/54

All: 0.000+/-0.000 χ^2/NDF: 16676152.1/111

\- sign 0.000+/-0.000 χ^2/NDF: 8957830.3/56

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.008 χ^2/NDF: 51.9/29

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.025+/-0.009 χ^2/NDF: 68.5/33

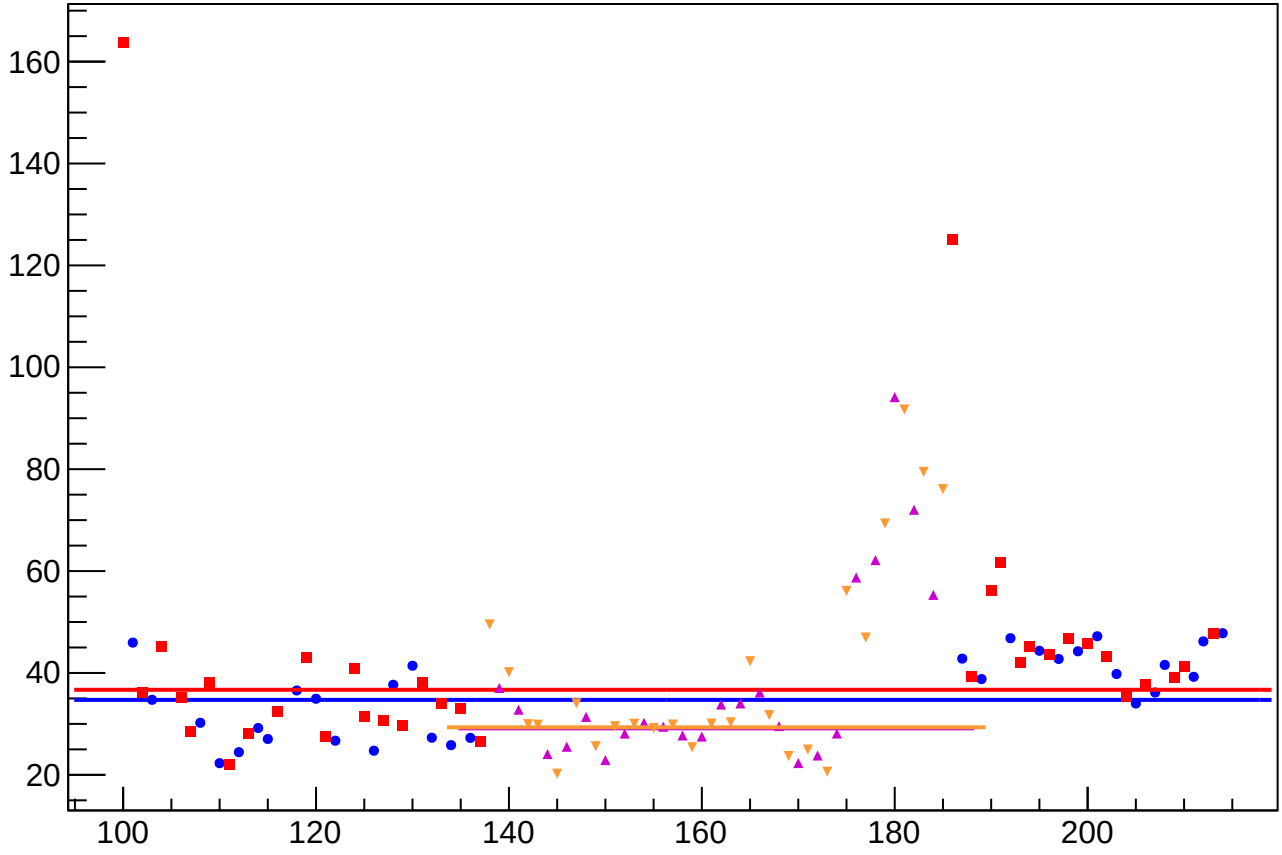
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.022+/-0.005 χ^2/NDF: 69.8/54

All: 0.019+/-0.004 χ^2/NDF: 159.3/111

- sign 0.017+/-0.006 χ^2/NDF: 89.0/56

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.717+/-0.006 χ^2/NDF: 1835938.2/29

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

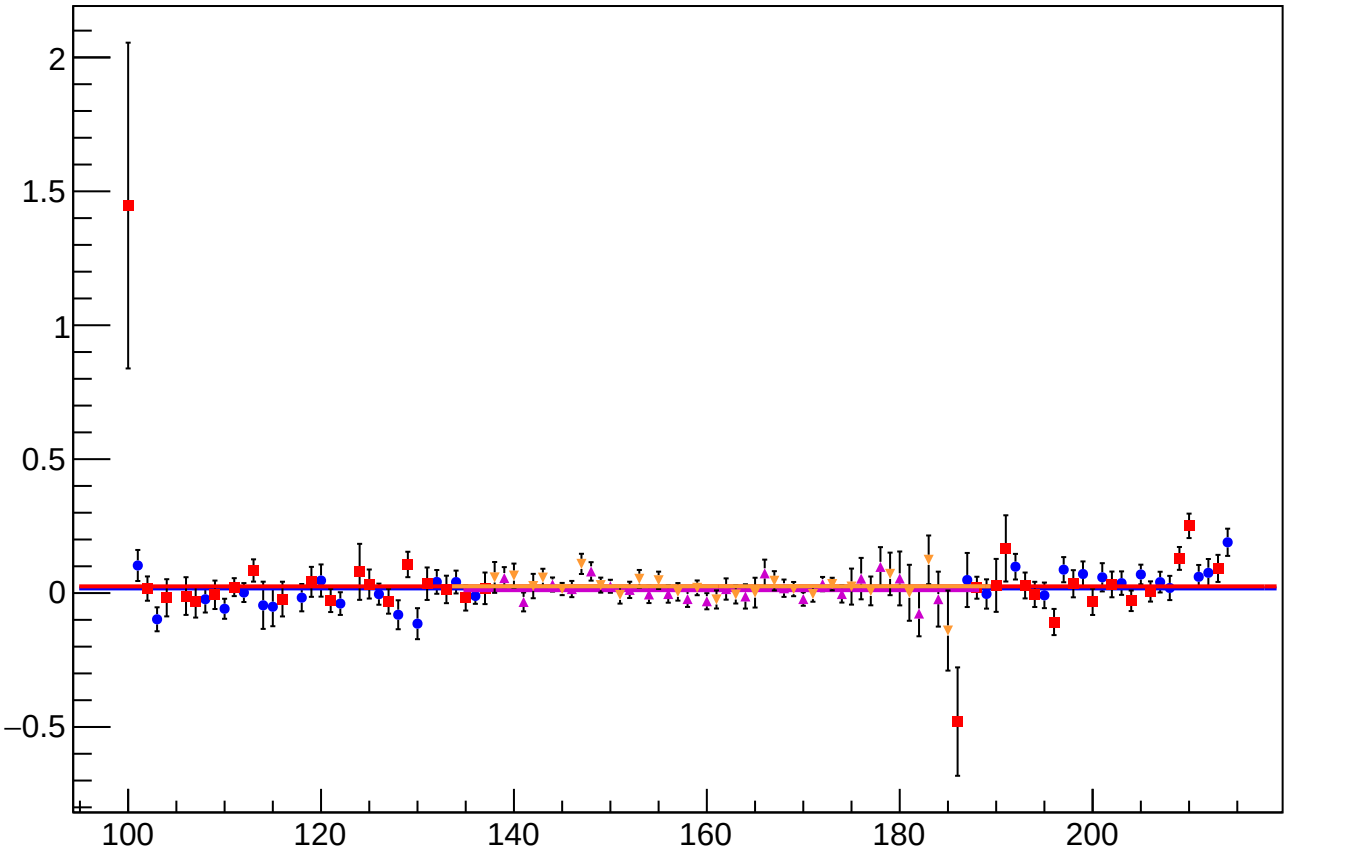
Right Out: 36.698+/-0.006 χ^2/NDF: 1916323.0/33

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.594+/-0.004 χ^2/NDF: 6182674.3/54

All: 31.897+/-0.003 χ^2/NDF: 11830440.3/111

- sign 32.216+/-0.004 χ^2/NDF: 5635147.3/56



Right In: 0.017+/-0.008 χ^2/NDF: 51.9/29

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

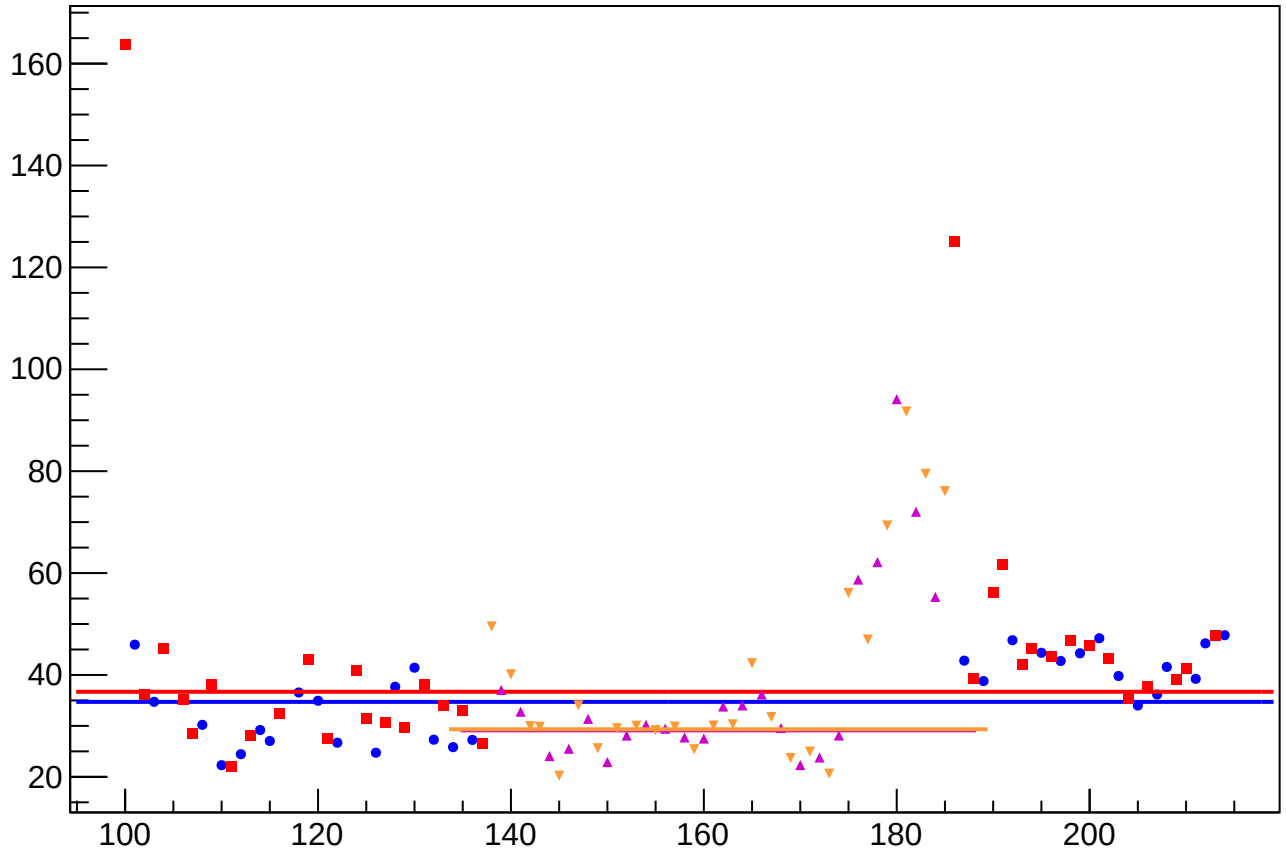
Right Out: 0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.022+/-0.005 χ^2/NDF: 69.8/54

All: 0.019+/-0.004 χ^2/NDF: 159.3/111

- sign 0.017+/-0.006 χ^2/NDF: 89.0/56



Right In: 34.717+/-0.006 χ^2/NDF: 1835938.2/29

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

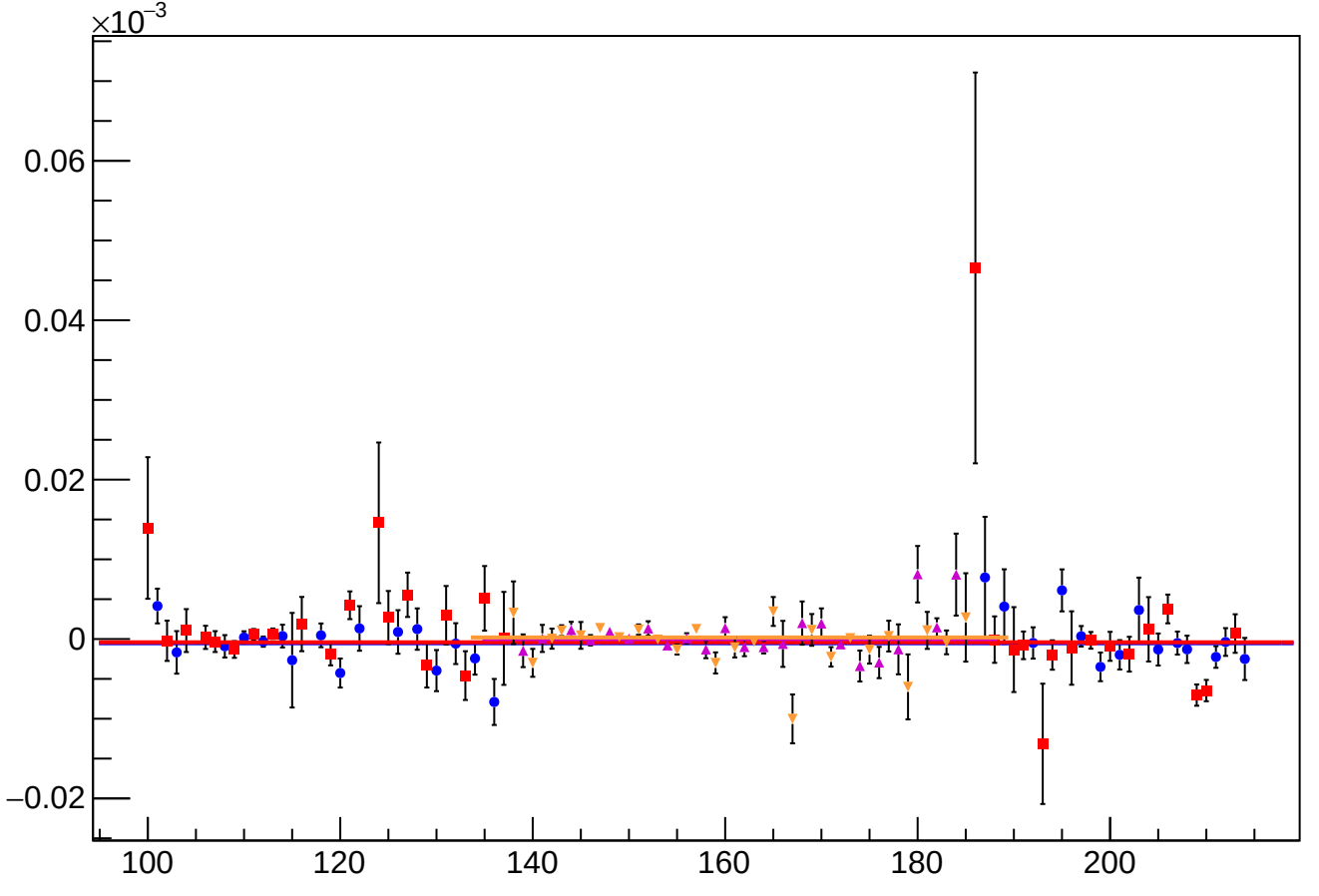
Right Out: 36.698+/-0.006 χ^2/NDF: 1916323.0/33

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.594+/-0.004 χ^2/NDF: 6182674.3/54

All: 31.897+/-0.003 χ^2/NDF: 11830440.3/111

- sign 32.216+/-0.004 χ^2/NDF: 5635147.3/56



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 89.3/33

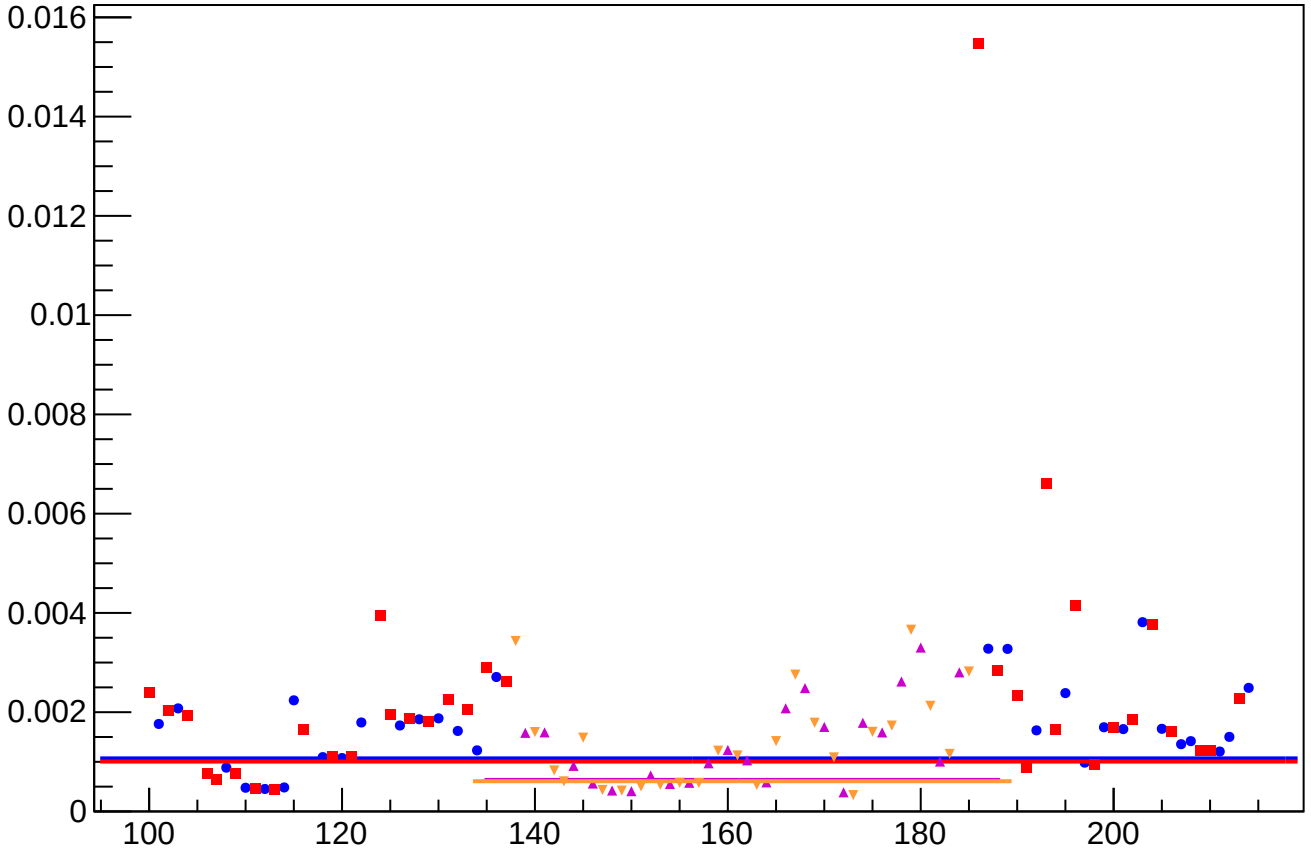
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 94.3/54

All: -0.000+/-0.000 χ^2/NDF: 218.4/111

- sign -0.000+/-0.000 χ^2/NDF: 123.7/56

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9020927.6/29

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

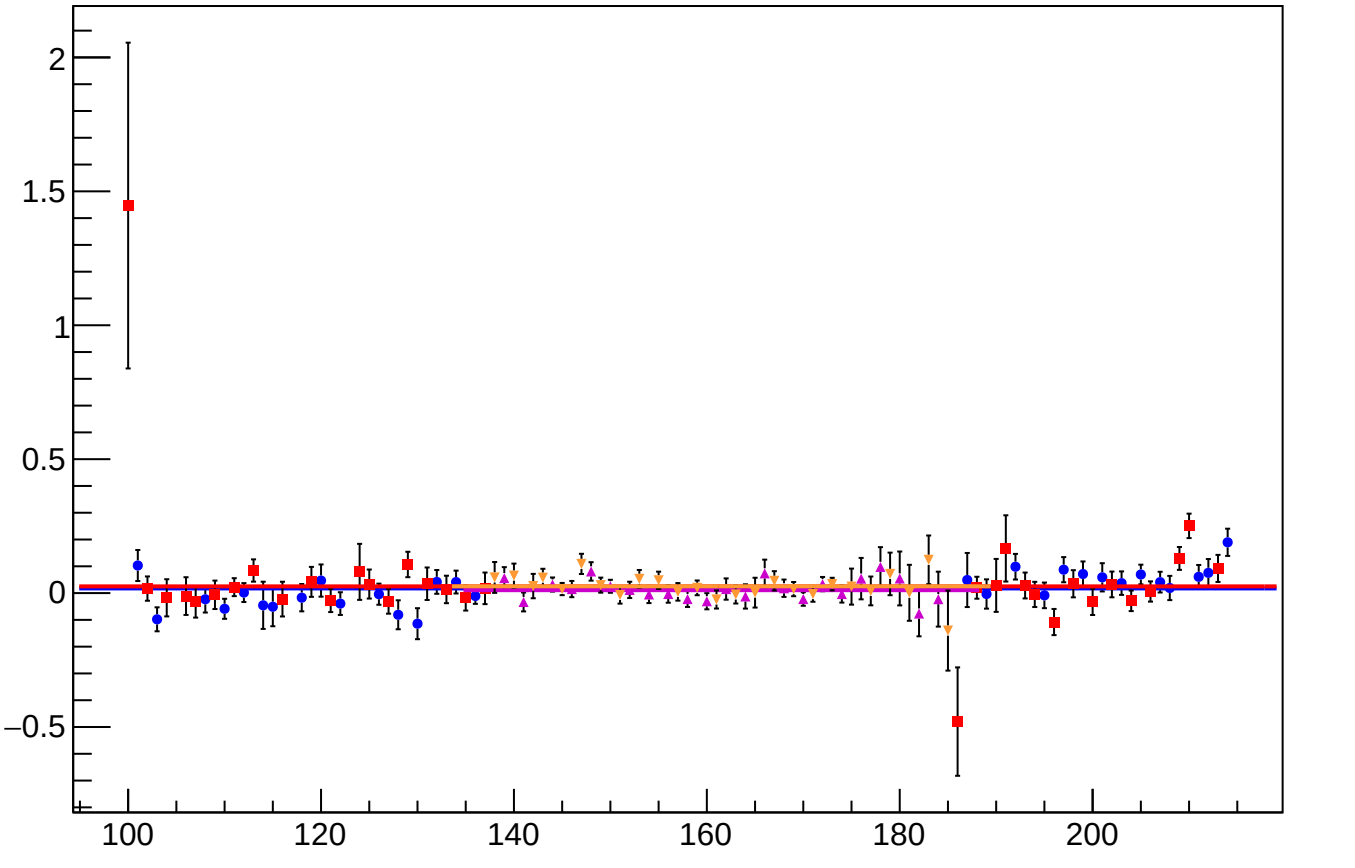
Right Out: 0.001+/-0.000 χ^2/NDF: 11778999.4/33

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 23554619.5/54

All: 0.001+/-0.000 χ^2/NDF: 47111469.9/111

- sign 0.001+/-0.000 χ^2/NDF: 23536209.5/56



Right In: 0.017+/-0.008 χ^2/NDF: 51.9/29

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

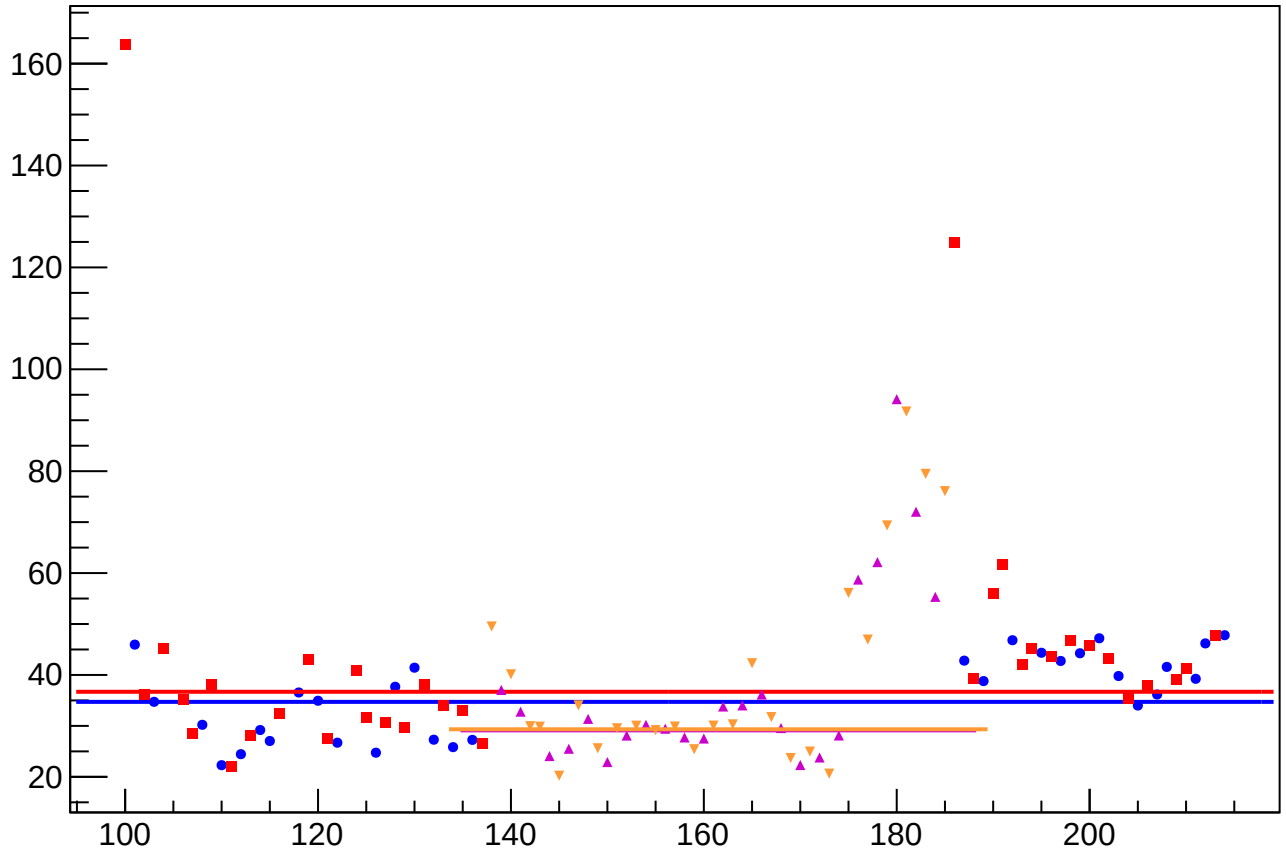
Right Out: 0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.022+/-0.005 χ^2/NDF: 69.8/54

All: 0.019+/-0.004 χ^2/NDF: 159.3/111

- sign 0.017+/-0.006 χ^2/NDF: 89.0/56



Right In: 34.717+/-0.006 χ^2/NDF: 1835842.4/29

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.698+/-0.006 χ^2/NDF: 1916200.1/33

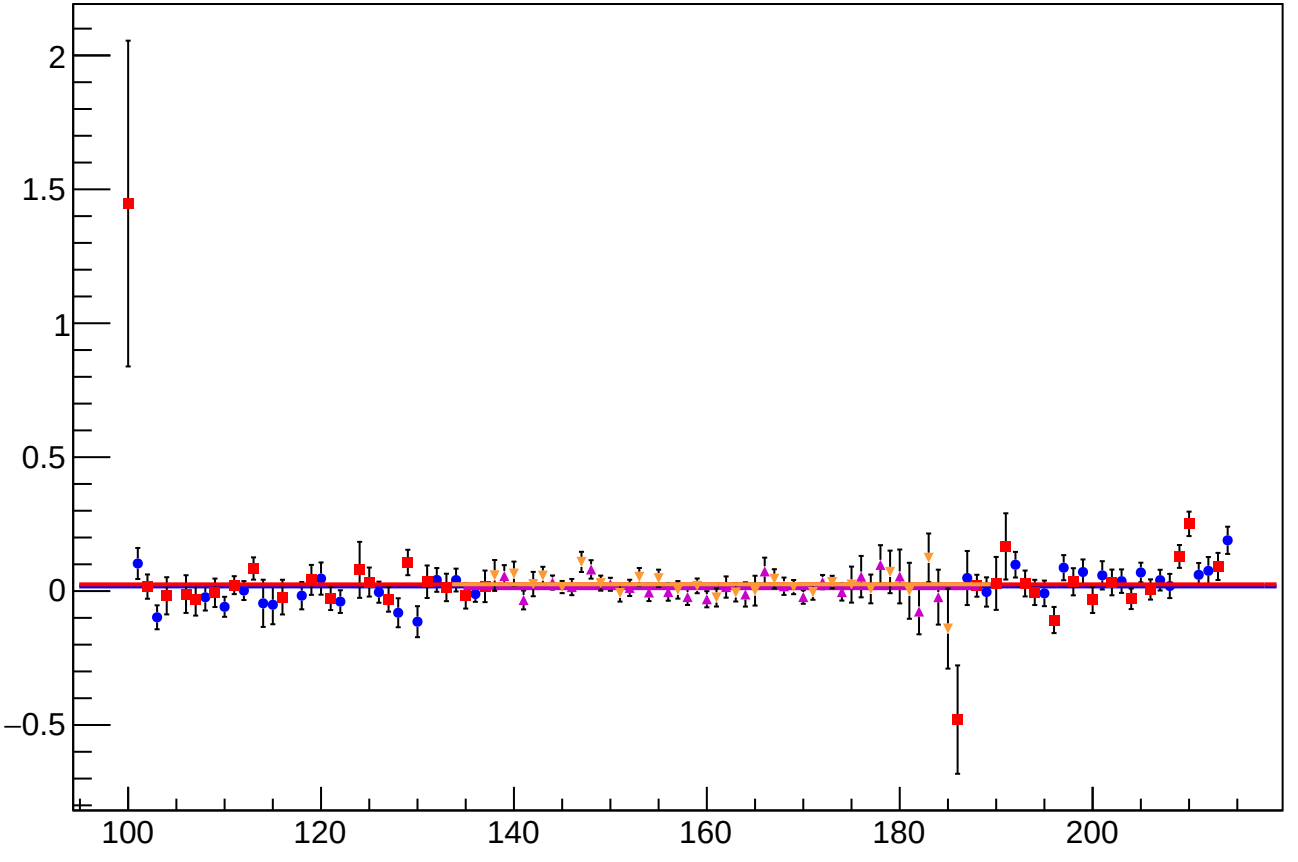
Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.594+/-0.004 χ^2/NDF: 6182682.6/54

All: 31.897+/-0.003 χ^2/NDF: 11830340.3/111

- sign 32.216+/-0.004 χ^2/NDF: 5635037.9/56

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.008 χ^2/NDF: 51.9/29

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

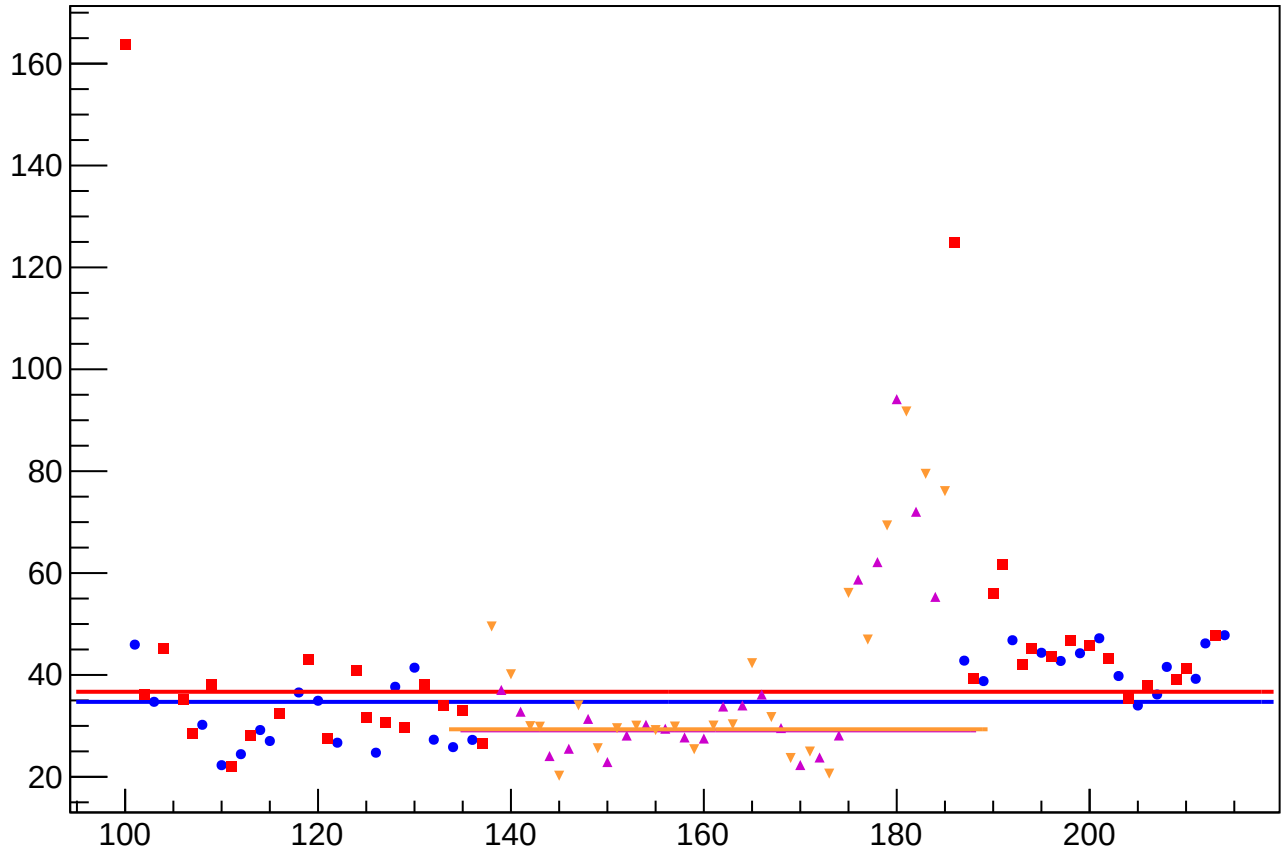
Right Out: 0.025+/-0.009 χ^2/NDF: 68.5/33

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.022+/-0.005 χ^2/NDF: 69.8/54

All: 0.019+/-0.004 χ^2/NDF: 159.3/111

- sign 0.017+/-0.006 χ^2/NDF: 89.0/56



Right In: 34.717+/-0.006 χ^2/NDF: 1835842.4/29

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

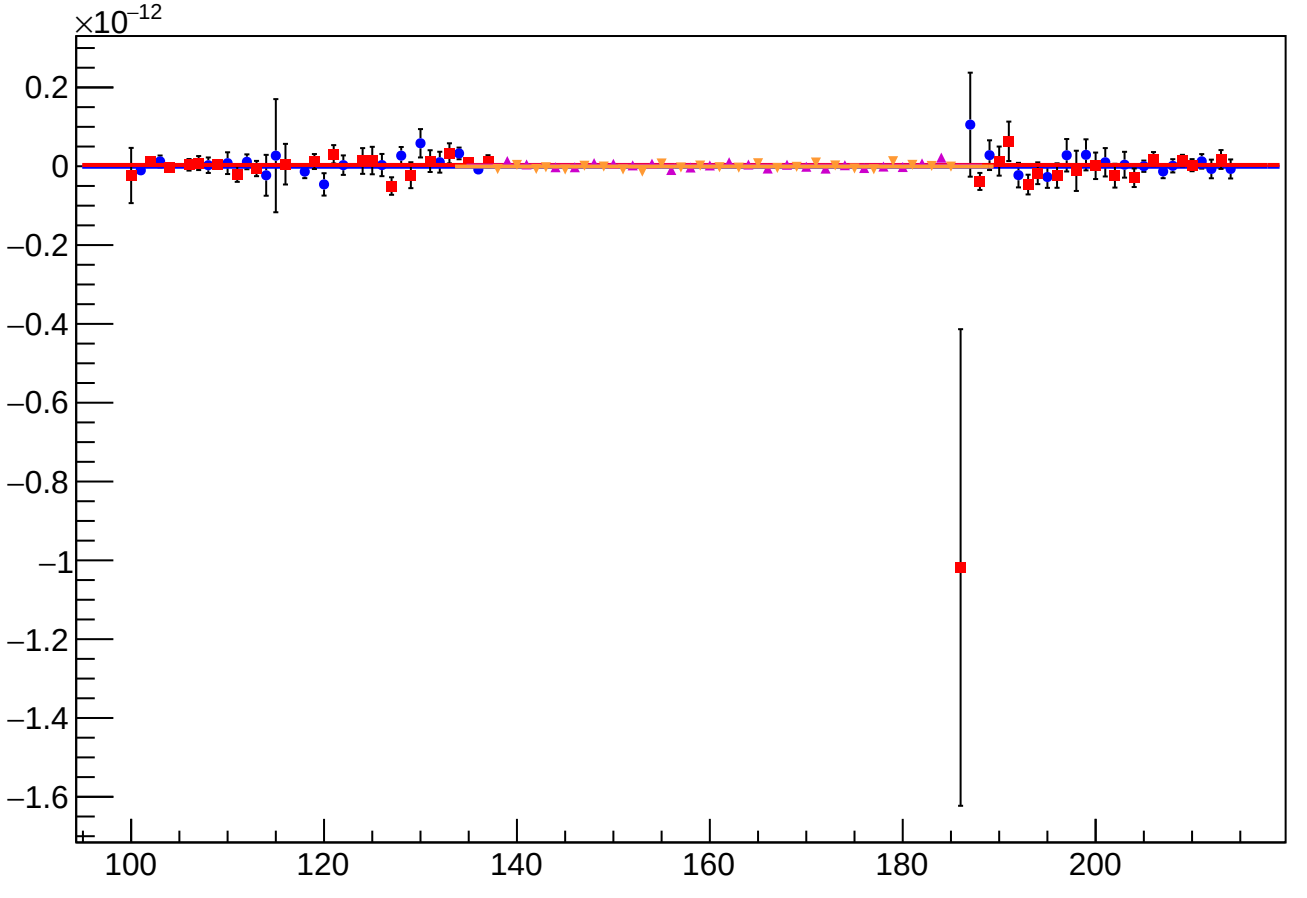
Right Out: 36.698+/-0.006 χ^2/NDF: 1916200.1/33

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.594+/-0.004 χ^2/NDF: 6182682.6/54

All: 31.897+/-0.003 χ^2/NDF: 11830340.3/111

- sign 32.216+/-0.004 χ^2/NDF: 5635037.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

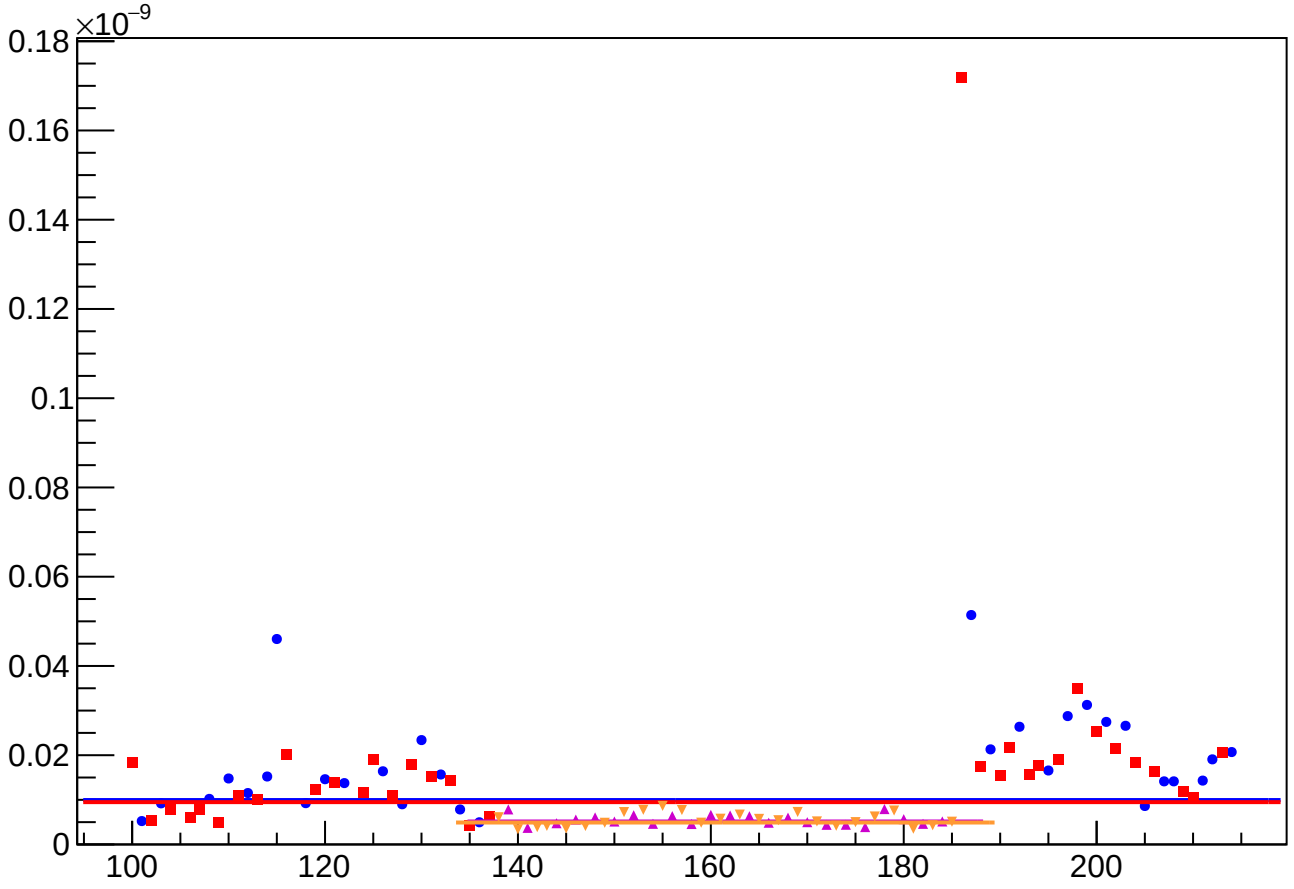
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/33

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 37.0/54

All: 0.000+/-0.000 χ^2/NDF: 87.4/111

- sign 0.000+/-0.000 χ^2/NDF: 48.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 6875985.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6153340.3/33

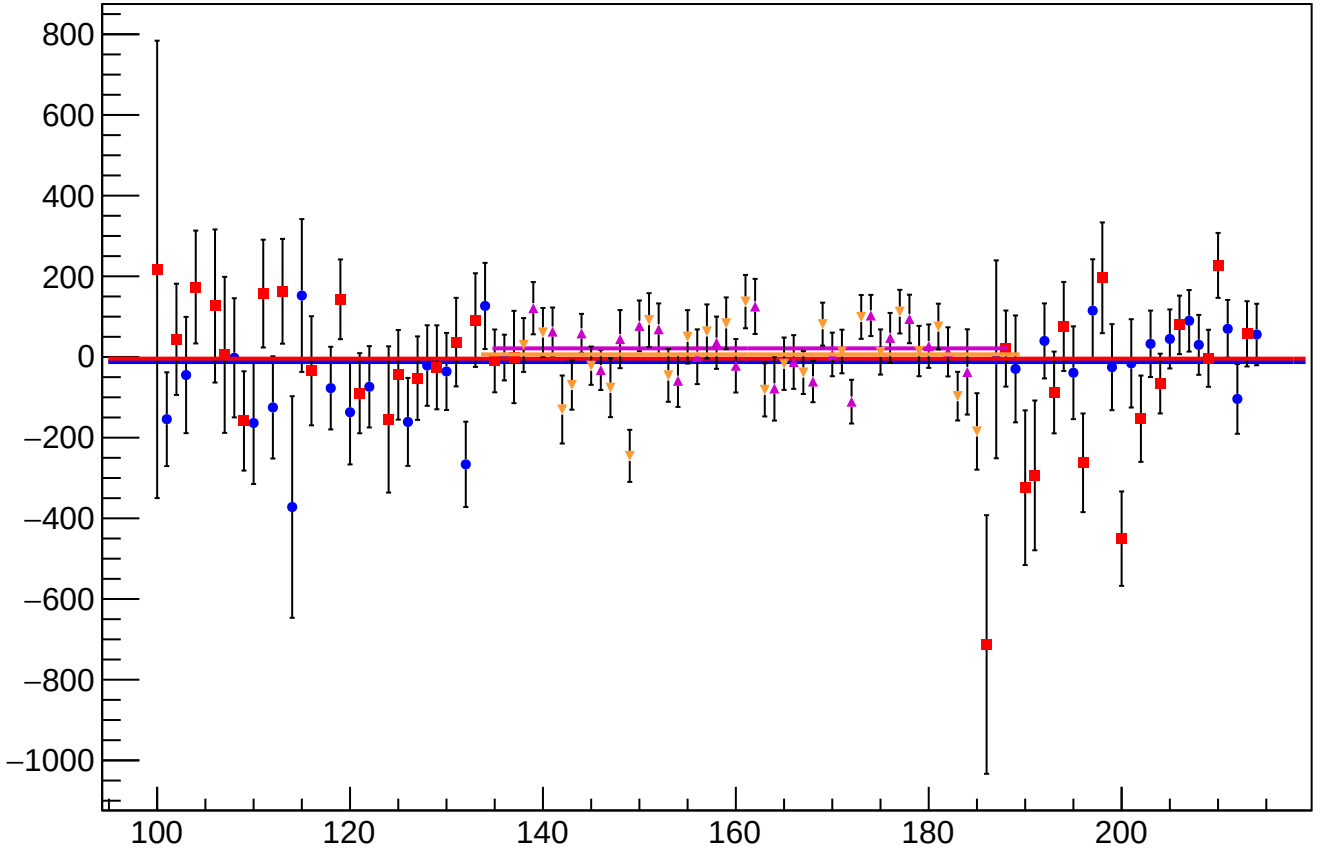
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12728558.7/54

All: 0.000+/-0.000 χ^2/NDF: 22995445.7/111

- sign 0.000+/-0.000 χ^2/NDF: 10236647.6/56

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -12.534+/-18.147 χ^2/NDF: 24.6/29

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.107+/-18.851 χ^2/NDF: 57.3/33

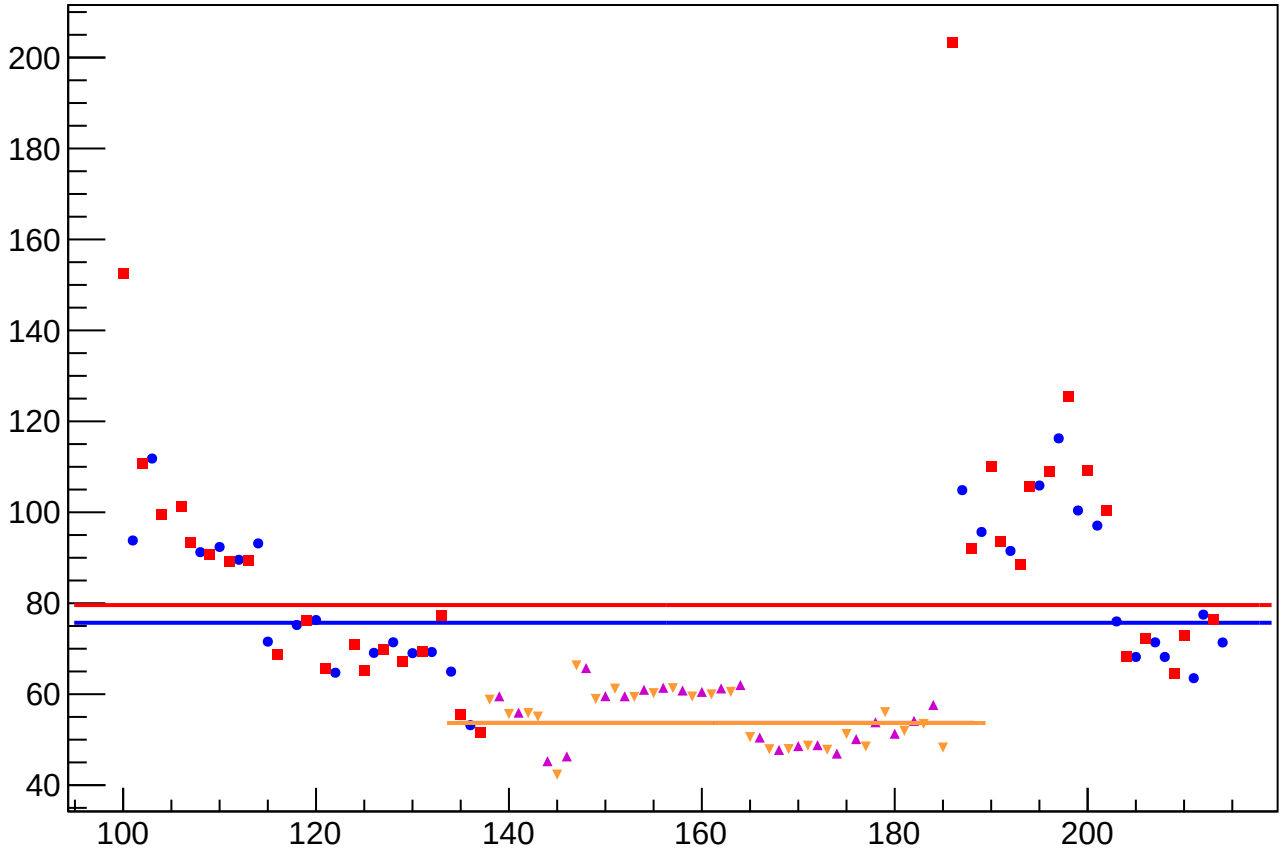
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 0.532+/-10.174 χ^2/NDF: 75.9/54

All: 6.779+/-7.308 χ^2/NDF: 160.6/111

- sign 13.436+/-10.504 χ^2/NDF: 83.9/56

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 75.706+/-0.013 χ^2/NDF: 1410026.4/29

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

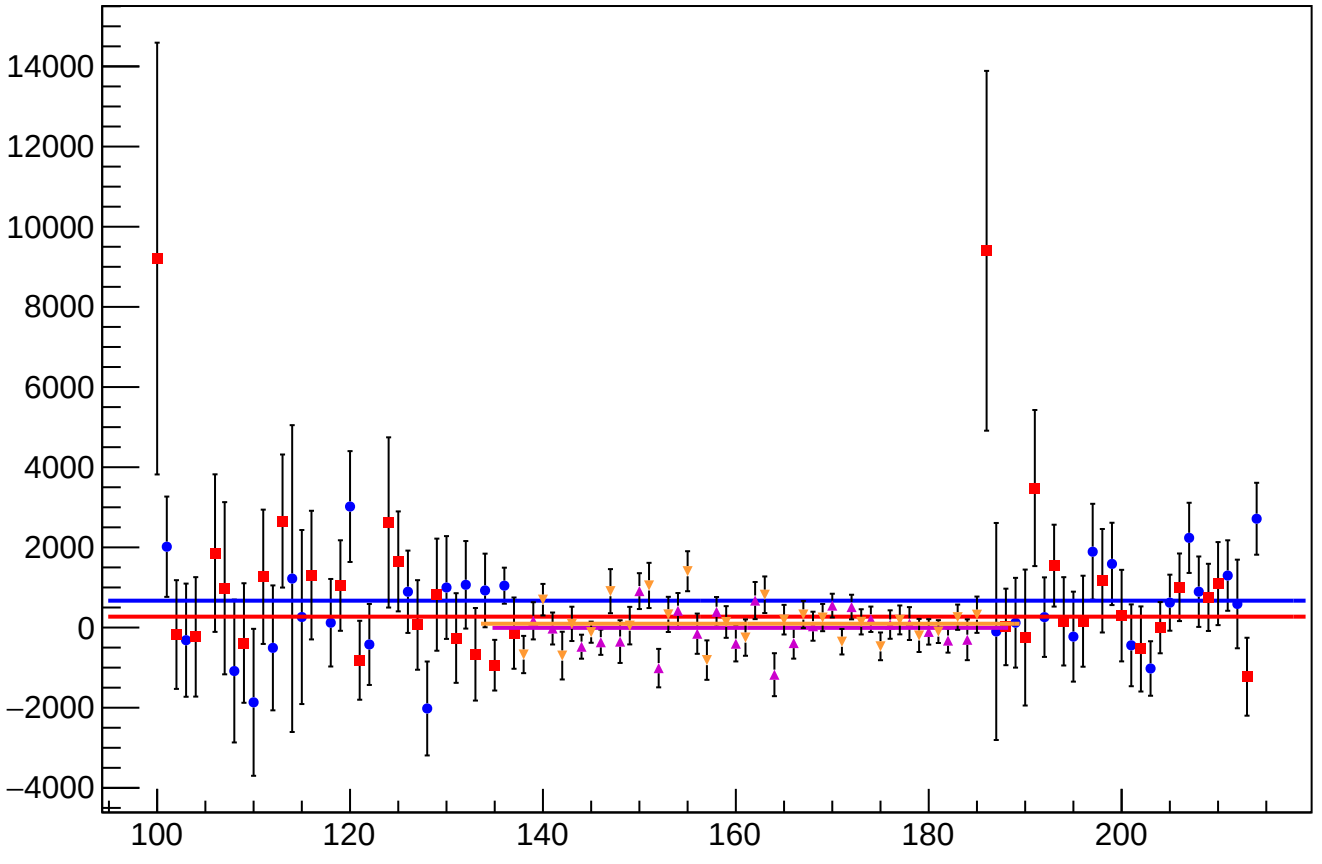
Right Out: 79.599+/-0.013 χ^2/NDF: 1958773.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.594+/-0.007 χ^2/NDF: 3905014.2/54

All: 61.147+/-0.005 χ^2/NDF: 8951661.6/111

- sign 61.737+/-0.007 χ^2/NDF: 5034410.4/56



Right In: 670.317+/-183.924 χ^2/NDF: 35.1/29

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 271.509+/-195.308 χ^2/NDF: 29.8/33

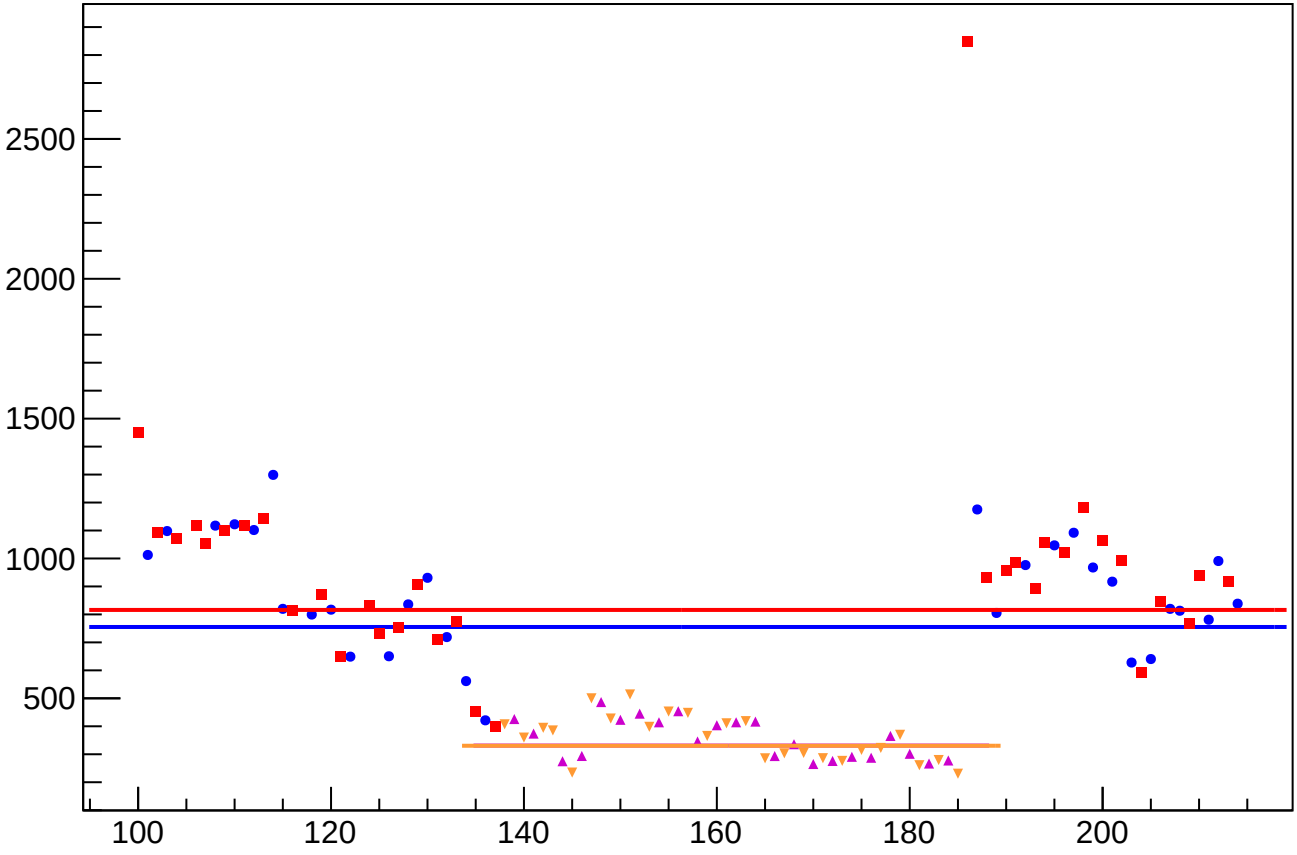
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 181.440+/-71.132 χ^2/NDF: 76.6/54

All: 108.762+/-51.059 χ^2/NDF: 142.6/111

- sign 31.512+/-73.336 χ^2/NDF: 63.9/56

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 755.055+/-0.130 χ^2/NDF: 2633776.5/29

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.012+/-0.138 χ^2/NDF: 2927735.3/33

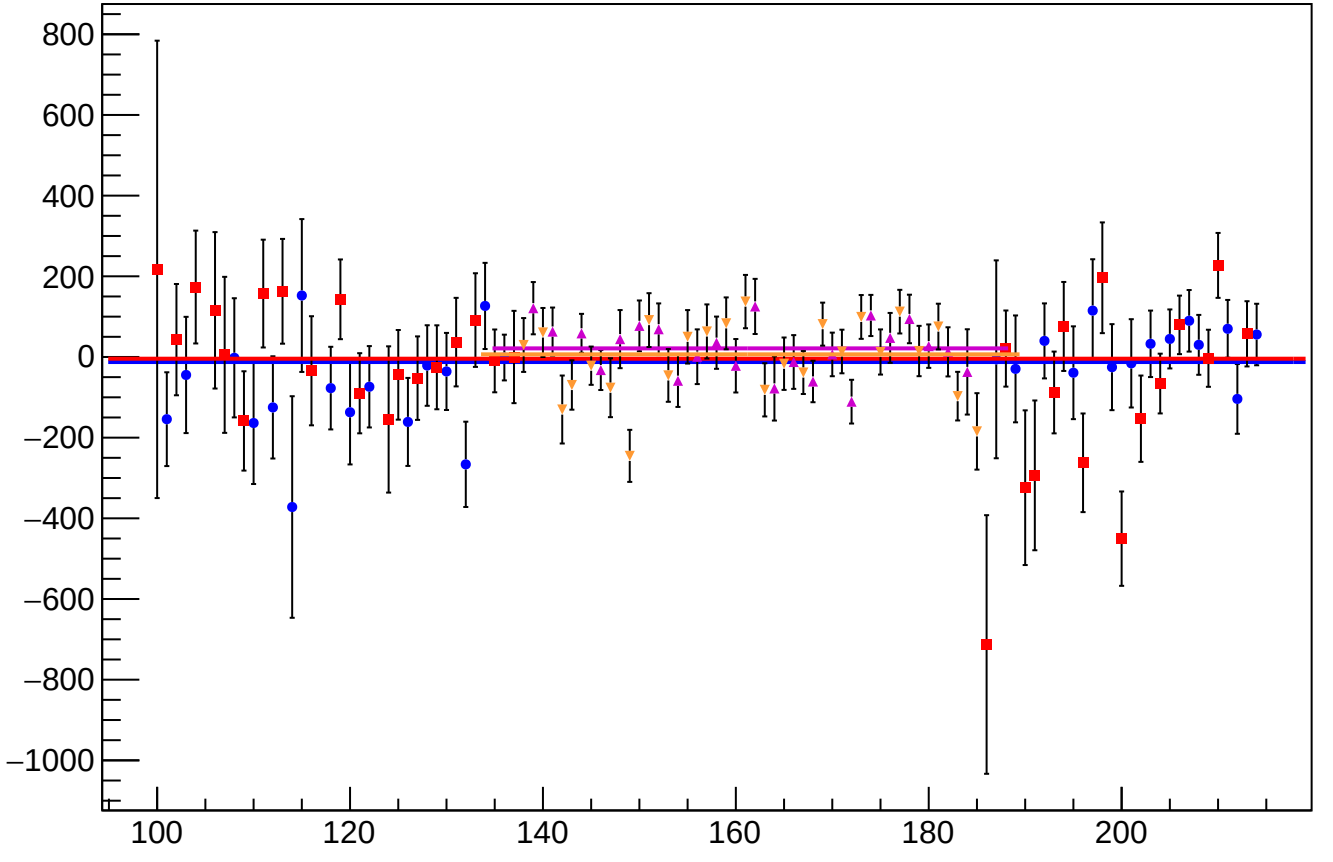
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 393.922+/-0.050 χ^2/NDF: 13453046.6/54

All: 396.593+/-0.036 χ^2/NDF: 28304424.1/11

- sign 399.432+/-0.052 χ^2/NDF: 14845559.3/56

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -12.528+/-18.147 χ^2/NDF: 24.6/29

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.279+/-18.855 χ^2/NDF: 57.2/33

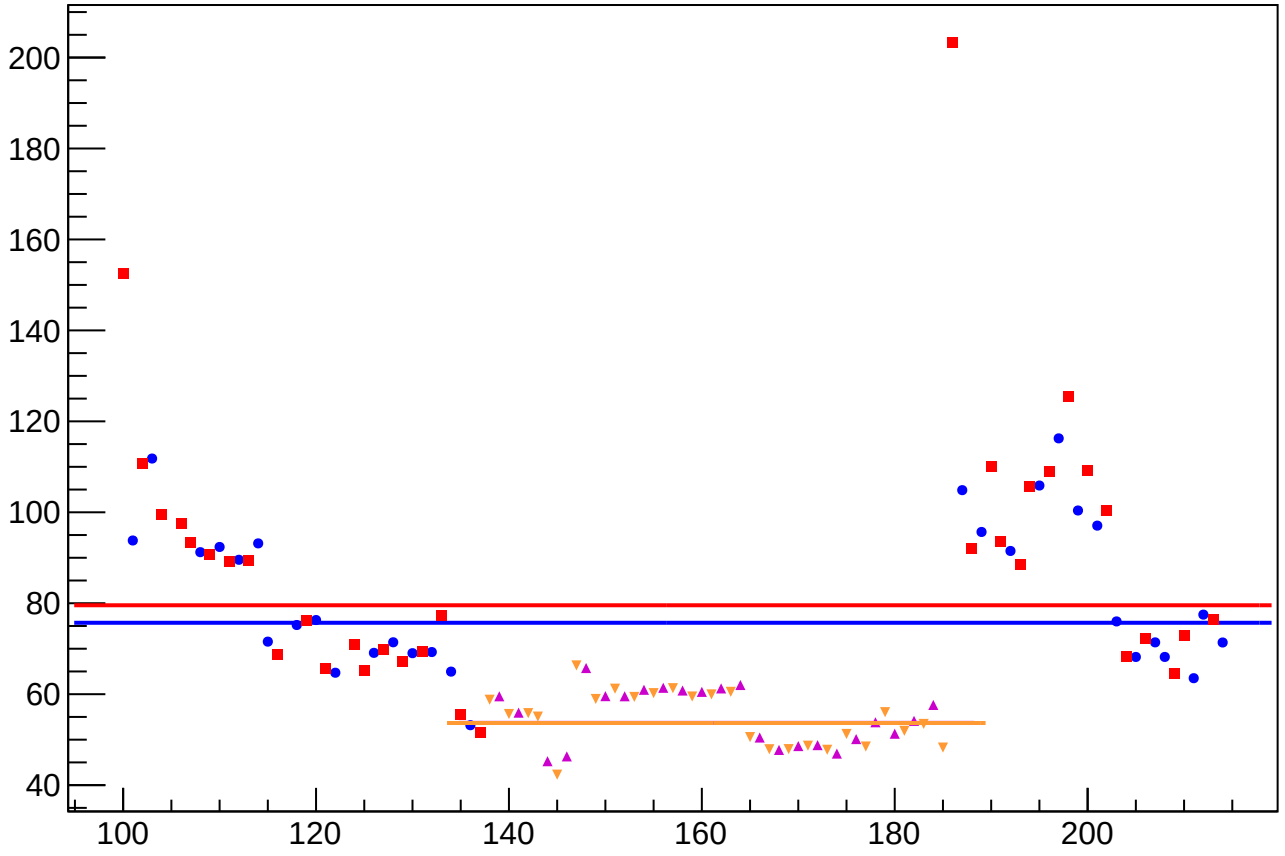
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 0.536+/-10.174 χ^2/NDF: 75.9/54

All: 6.756+/-7.308 χ^2/NDF: 160.5/111

- sign 13.385+/-10.504 χ^2/NDF: 83.8/56

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.706+/-0.013 χ^2/NDF: 1410028.7/29

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

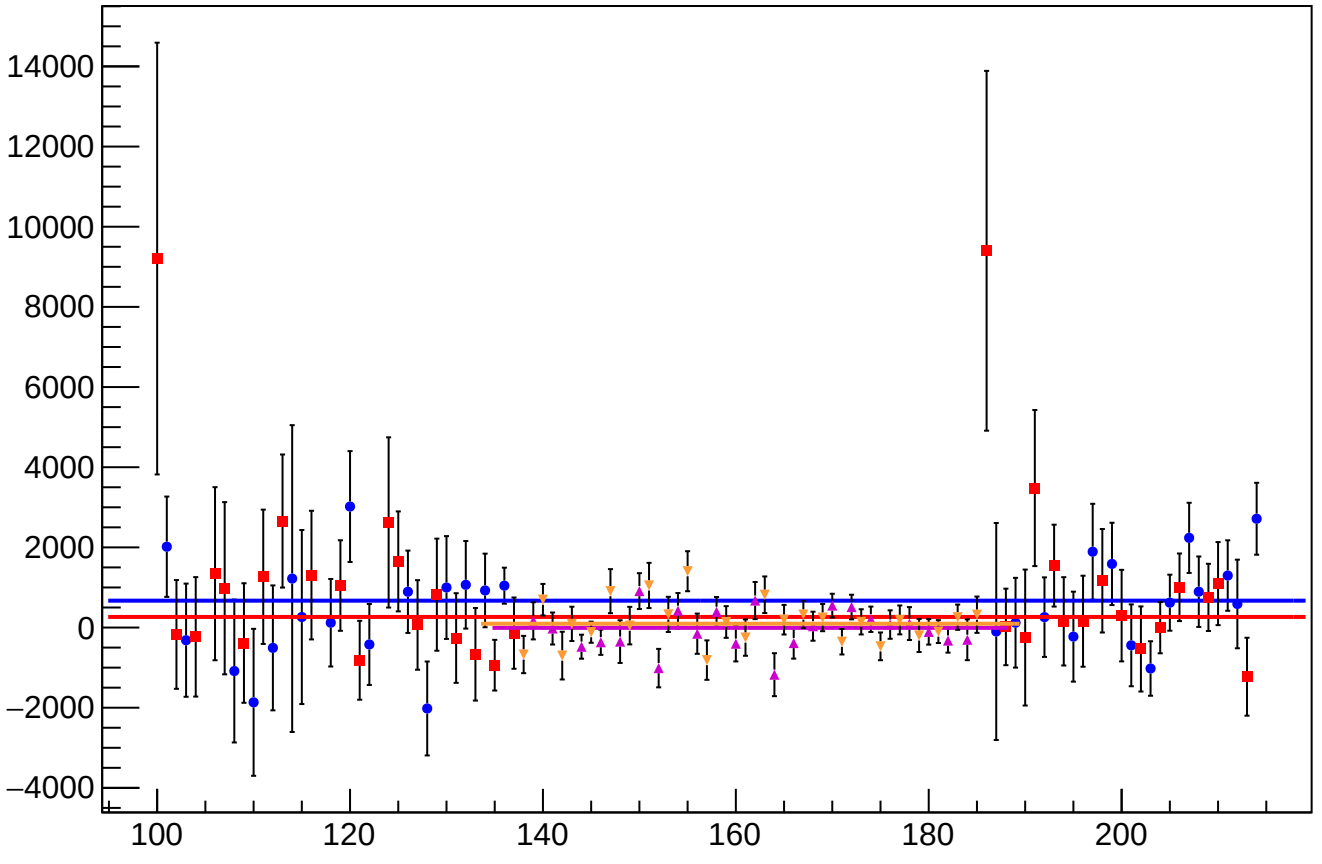
Right Out: 79.556+/-0.013 χ^2/NDF: 1950177.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.594+/-0.007 χ^2/NDF: 3905016.7/54

All: 61.140+/-0.005 χ^2/NDF: 8933208.4/111

- sign 61.722+/-0.007 χ^2/NDF: 5016294.0/56



Right In: 670.314+/-183.924 χ^2/NDF: 35.1/29

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 264.682+/-195.476 χ^2/NDF: 29.4/33

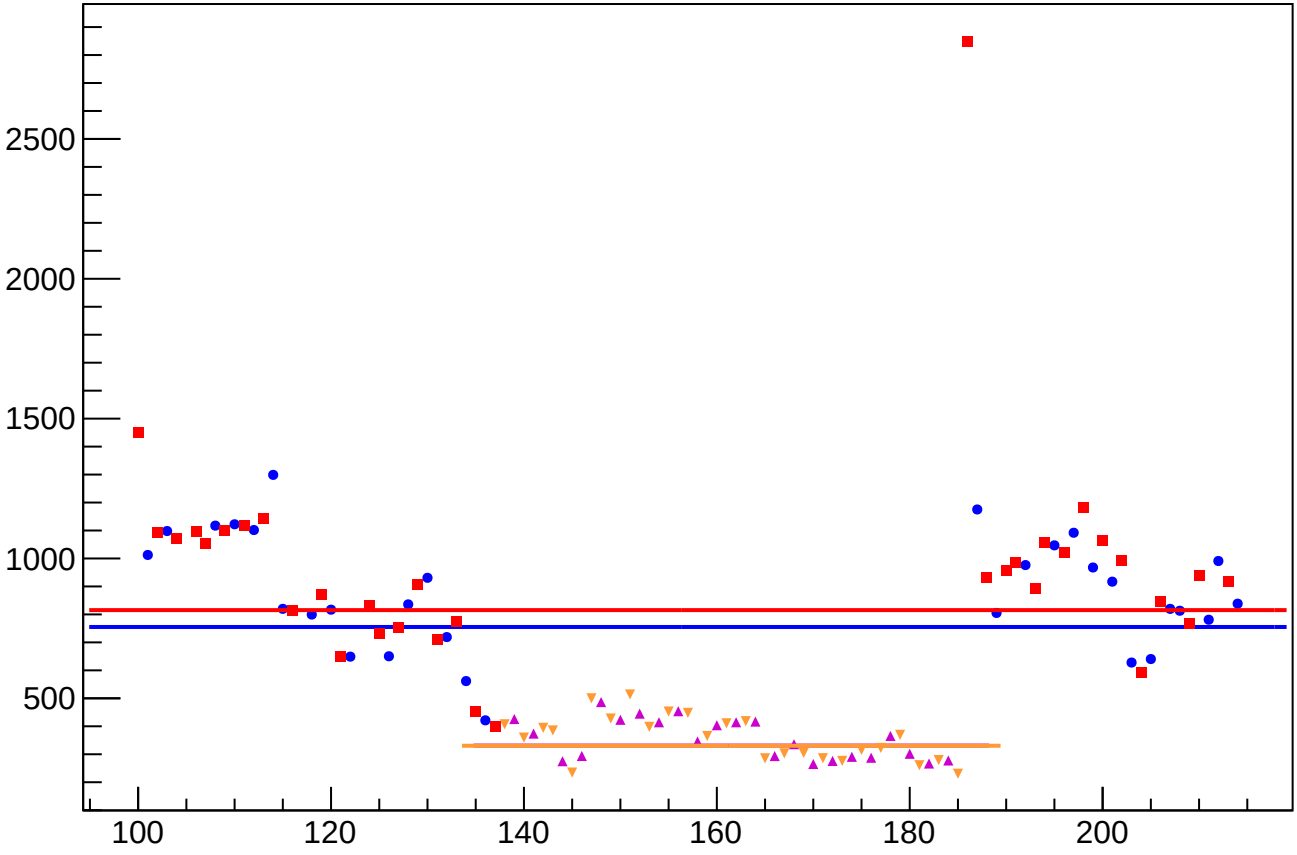
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 181.442+/-71.132 χ^2/NDF: 76.6/54

All: 108.280+/-51.062 χ^2/NDF: 142.1/111

- sign 30.496+/-73.345 χ^2/NDF: 63.4/56

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 755.056+/-0.130 χ^2/NDF: 2633799.4/29

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.321+/-0.138 χ^2/NDF: 2914237.2/33

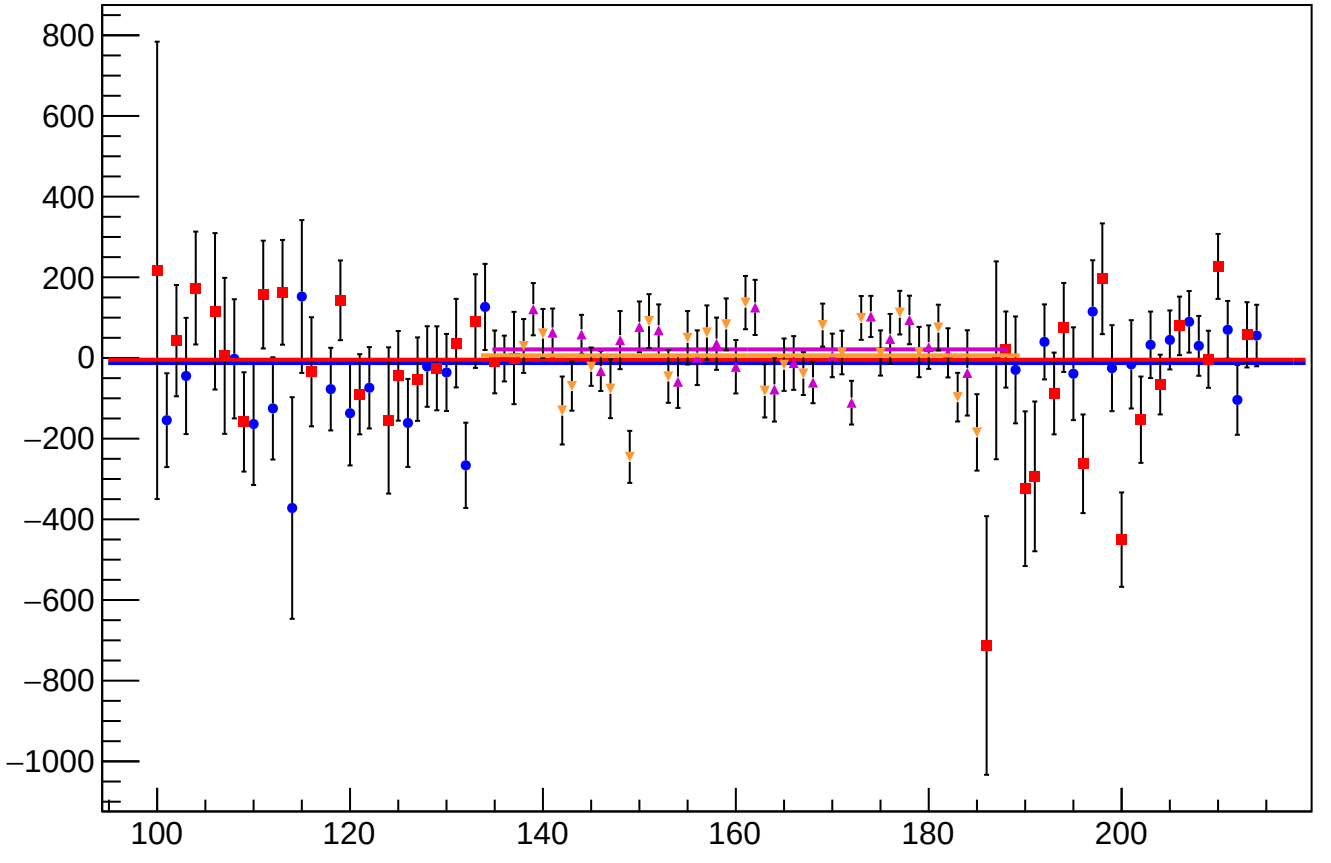
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 393.922+/-0.050 χ^2/NDF: 13453066.1/54

All: 396.496+/-0.036 χ^2/NDF: 28244758.5/11

- sign 399.234+/-0.052 χ^2/NDF: 14786286.3/56

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -12.528+/-18.147 χ^2/NDF: 24.6/29

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -4.279+/-18.855 χ^2/NDF: 57.2/33

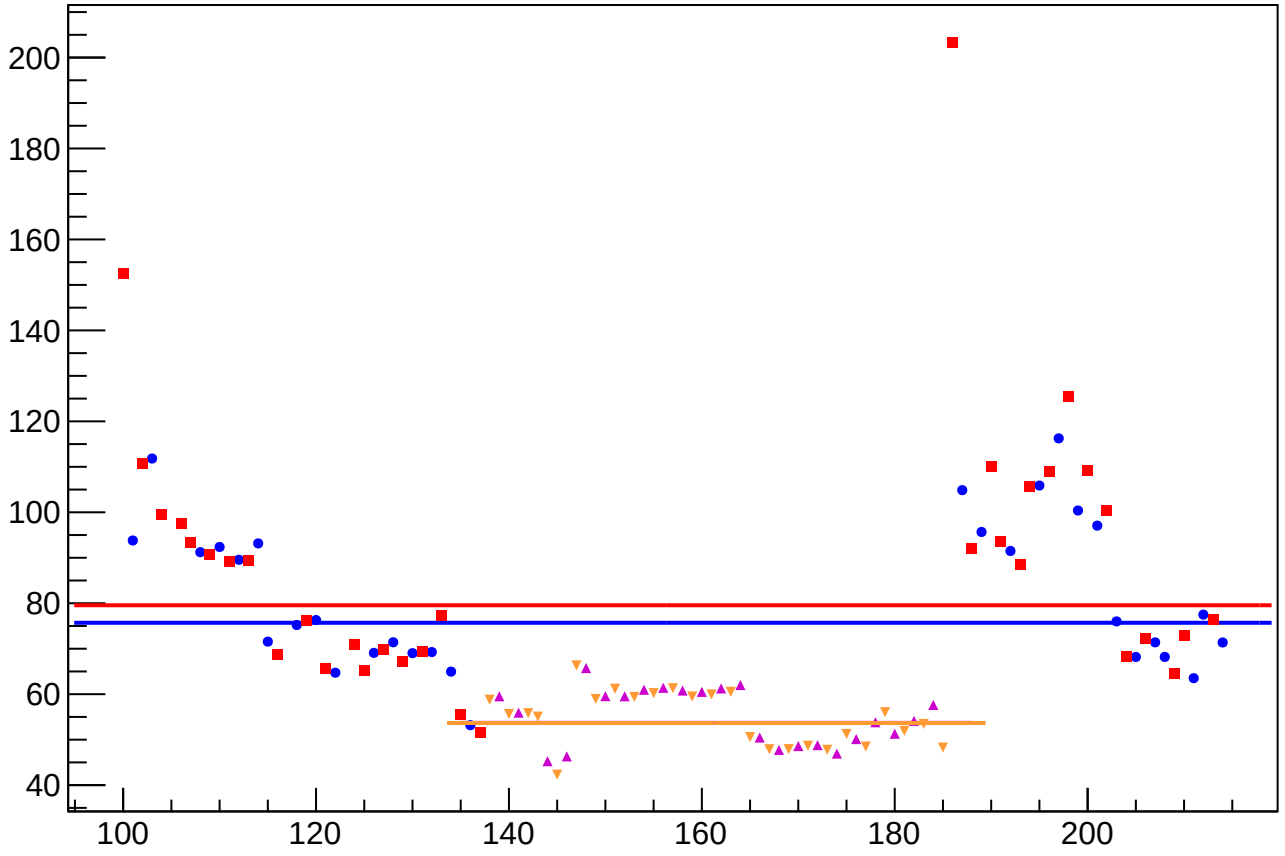
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 0.536+/-10.174 χ^2/NDF: 75.9/54

All: 6.756+/-7.308 χ^2/NDF: 160.5/111

- sign 13.385+/-10.504 χ^2/NDF: 83.8/56

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 75.706+/-0.013 χ^2/NDF: 1410028.7/29

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

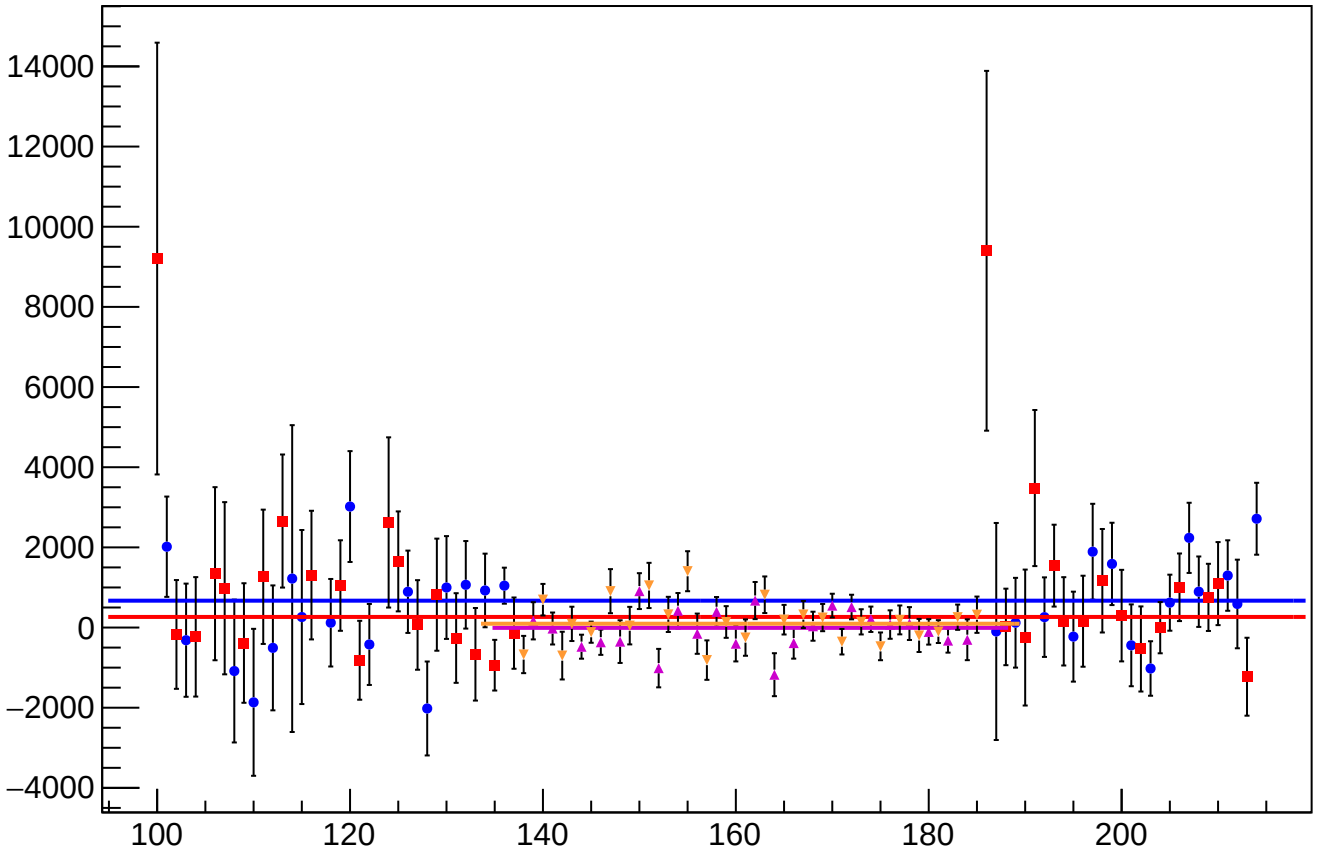
Right Out: 79.556+/-0.013 χ^2/NDF: 1950177.2/33

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.594+/-0.007 χ^2/NDF: 3905016.7/54

All: 61.140+/-0.005 χ^2/NDF: 8933208.4/111

- sign 61.722+/-0.007 χ^2/NDF: 5016294.0/56



Right In: 670.314+/-183.924 χ^2/NDF: 35.1/29

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

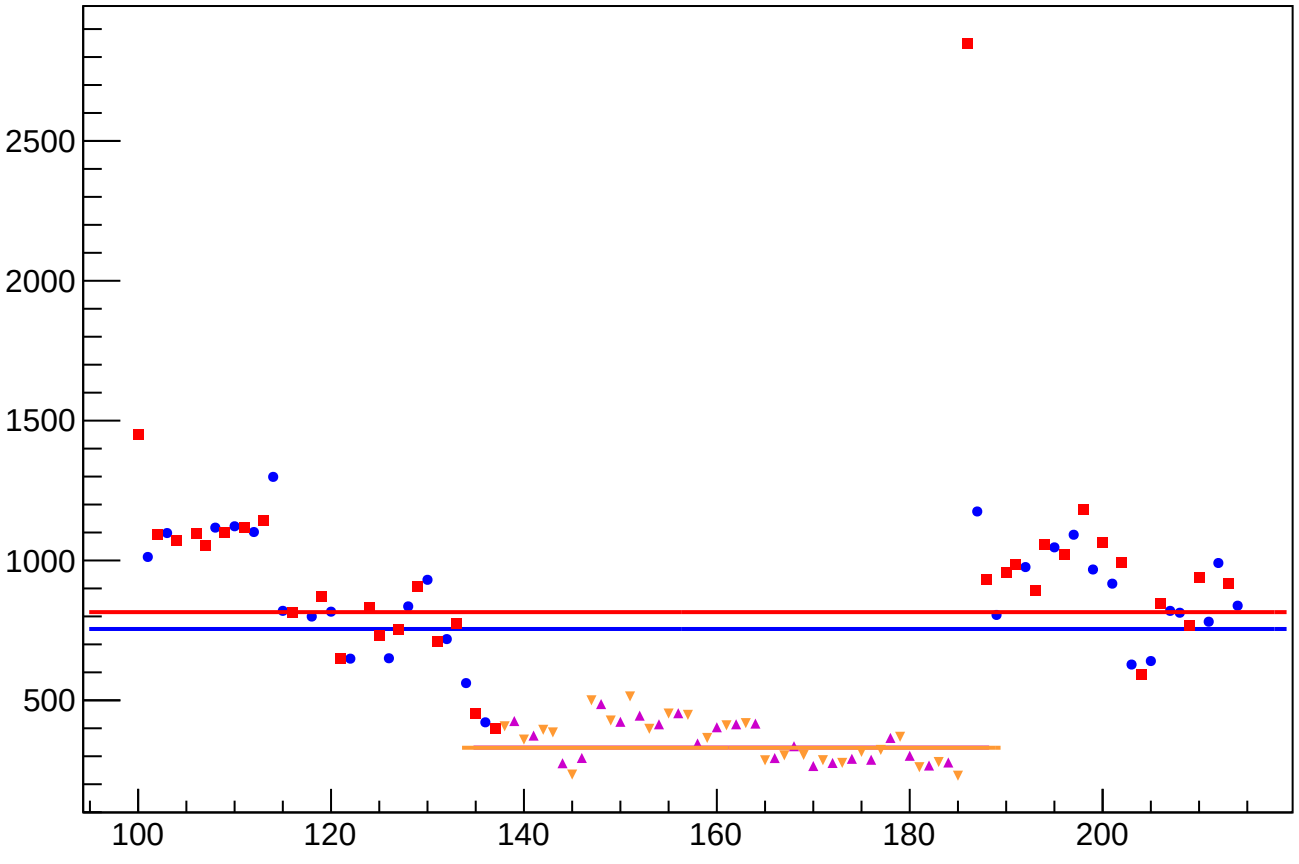
Right Out: 264.682+/-195.476 χ^2/NDF: 29.4/33

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 181.442+/-71.132 χ^2/NDF: 76.6/54

All: 108.280+/-51.062 χ^2/NDF: 142.1/111

- sign 30.496+/-73.345 χ^2/NDF: 63.4/56



Right In: 755.056+/-0.130 χ^2/NDF: 2633799.4/29

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.321+/-0.138 χ^2/NDF: 2914237.2/33

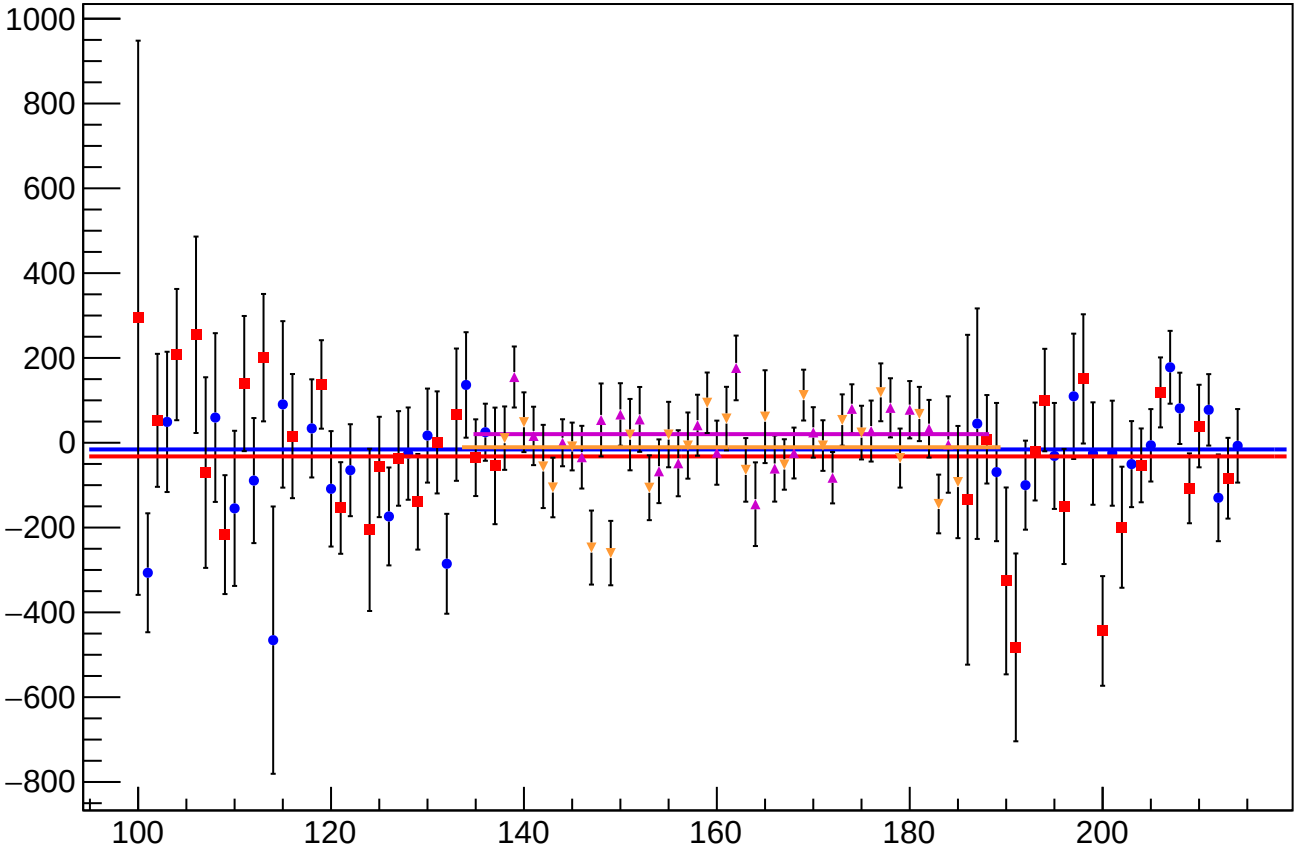
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 393.922+/-0.050 χ^2/NDF: 13453066.1/54

All: 396.496+/-0.036 χ^2/NDF: 28244758.5/11

- sign 399.234+/-0.052 χ^2/NDF: 14786286.3/56

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -15.736+/-20.839 χ^2/NDF: 28.3/29

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -32.213+/-21.536 χ^2/NDF: 42.2/33

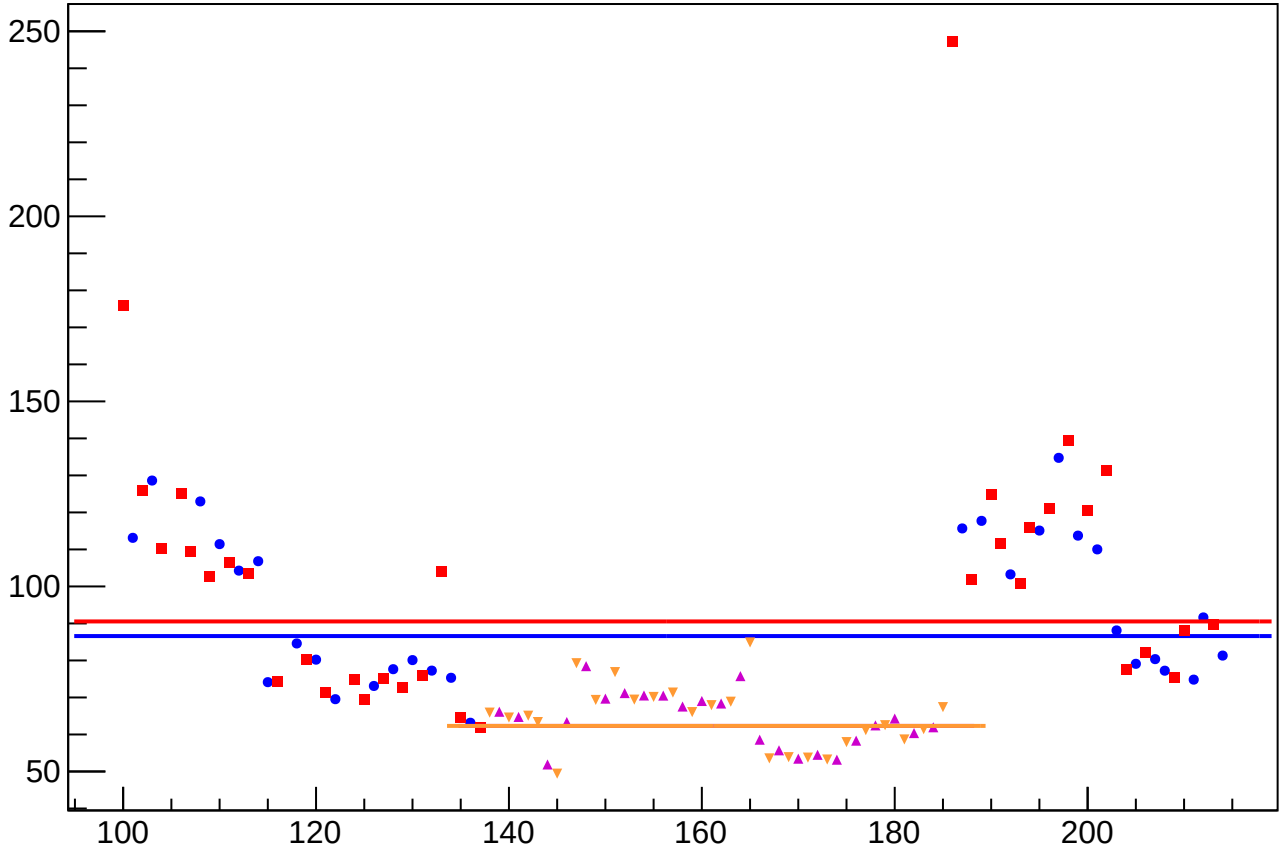
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.256+/-11.797 χ^2/NDF: 70.5/54

All: -4.605+/-8.470 χ^2/NDF: 139.3/111

- sign 3.536+/-12.169 χ^2/NDF: 68.0/56

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.591+/-0.015 χ^2/NDF: 1460488.5/29

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.544+/-0.015 χ^2/NDF: 2077555.1/33

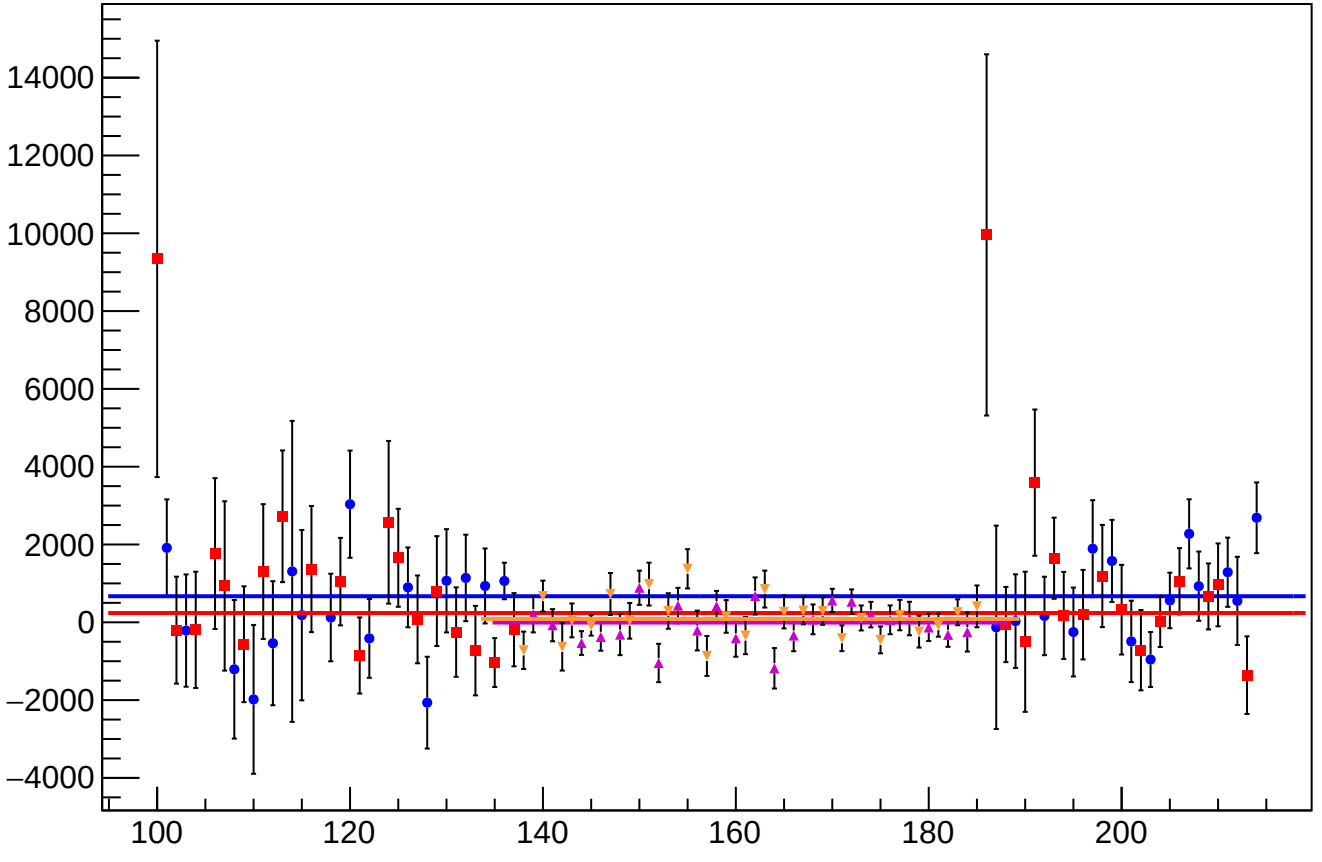
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 70.096+/-0.008 χ^2/NDF: 3940905.9/54

All: 70.692+/-0.006 χ^2/NDF: 8853463.4/111

- sign 71.326+/-0.009 χ^2/NDF: 4902019.1/56

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 670.254+/-188.613 χ^2/NDF: 34.1/29

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 238.959+/-197.722 χ^2/NDF: 31.9/33

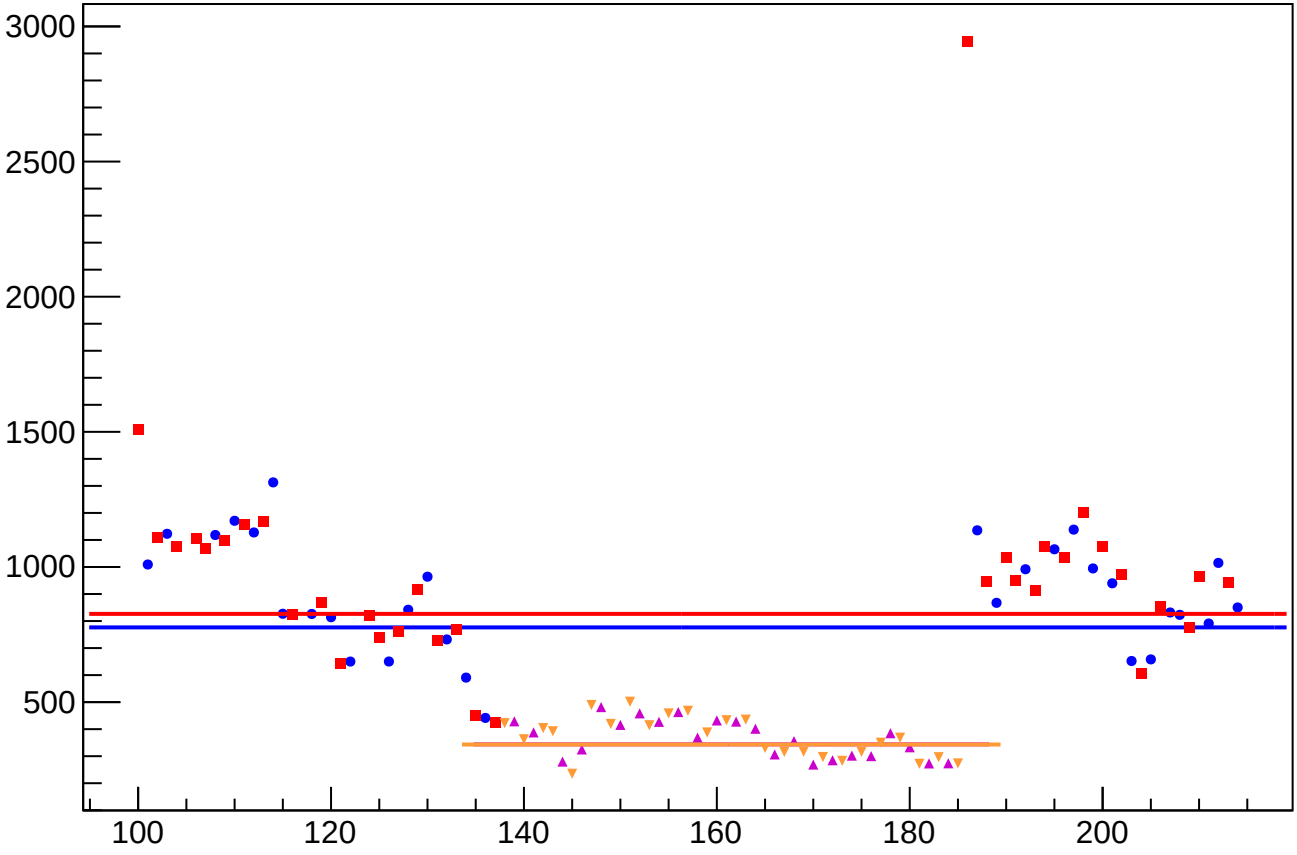
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 175.609+/-73.521 χ^2/NDF: 73.9/54

All: 104.866+/-52.785 χ^2/NDF: 141.4/111

- sign 29.608+/-75.832 χ^2/NDF: 65.6/56

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 776.494+/-0.133 χ^2/NDF: 2489828.2/29

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 826.521+/-0.140 χ^2/NDF: 2914870.6/33

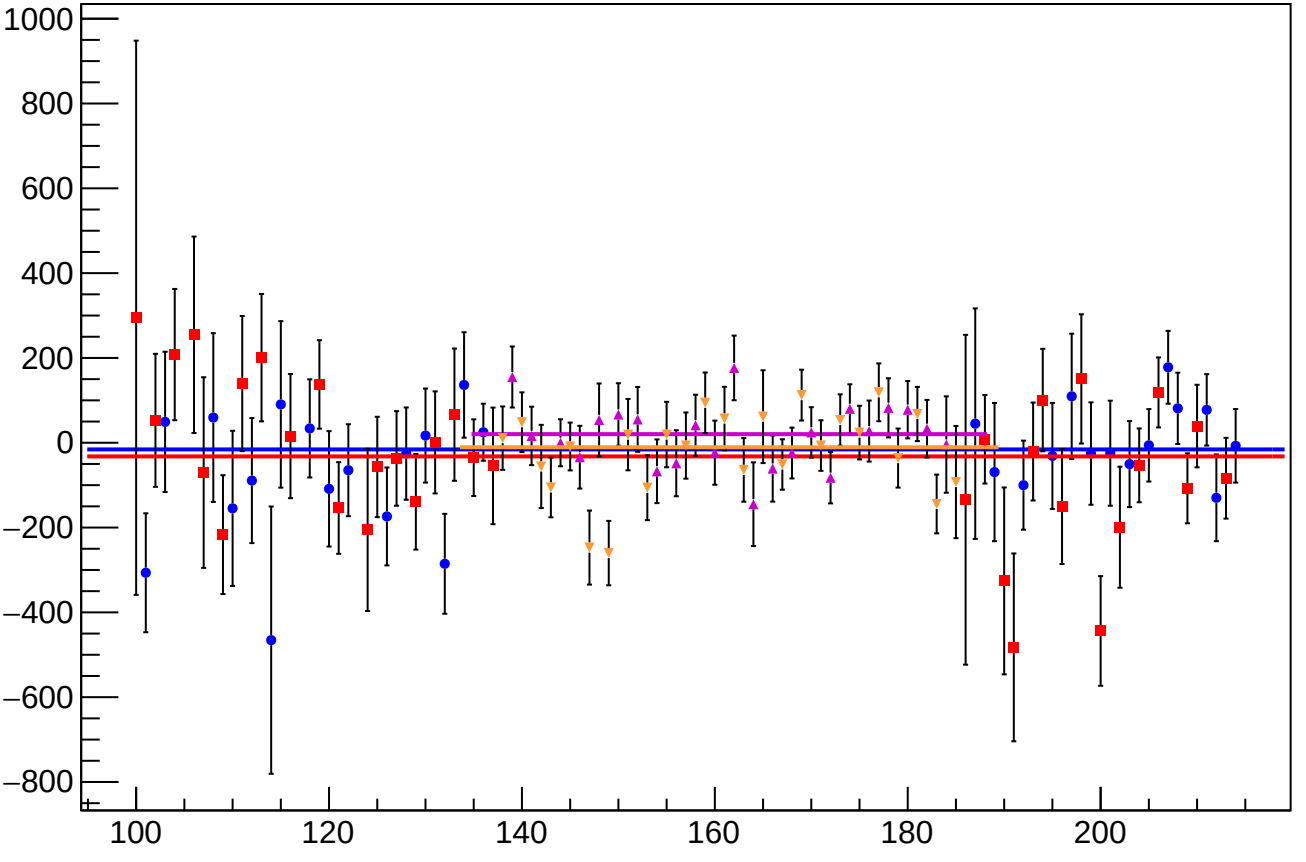
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 409.058+/-0.052 χ^2/NDF: 13035314.1/54

All: 411.808+/-0.037 χ^2/NDF: 27385335.9/11

- sign 414.734+/-0.054 χ^2/NDF: 14344246.5/56

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -15.737+/-20.838 χ^2/NDF: 28.3/29

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -32.213+/-21.535 χ^2/NDF: 42.2/33

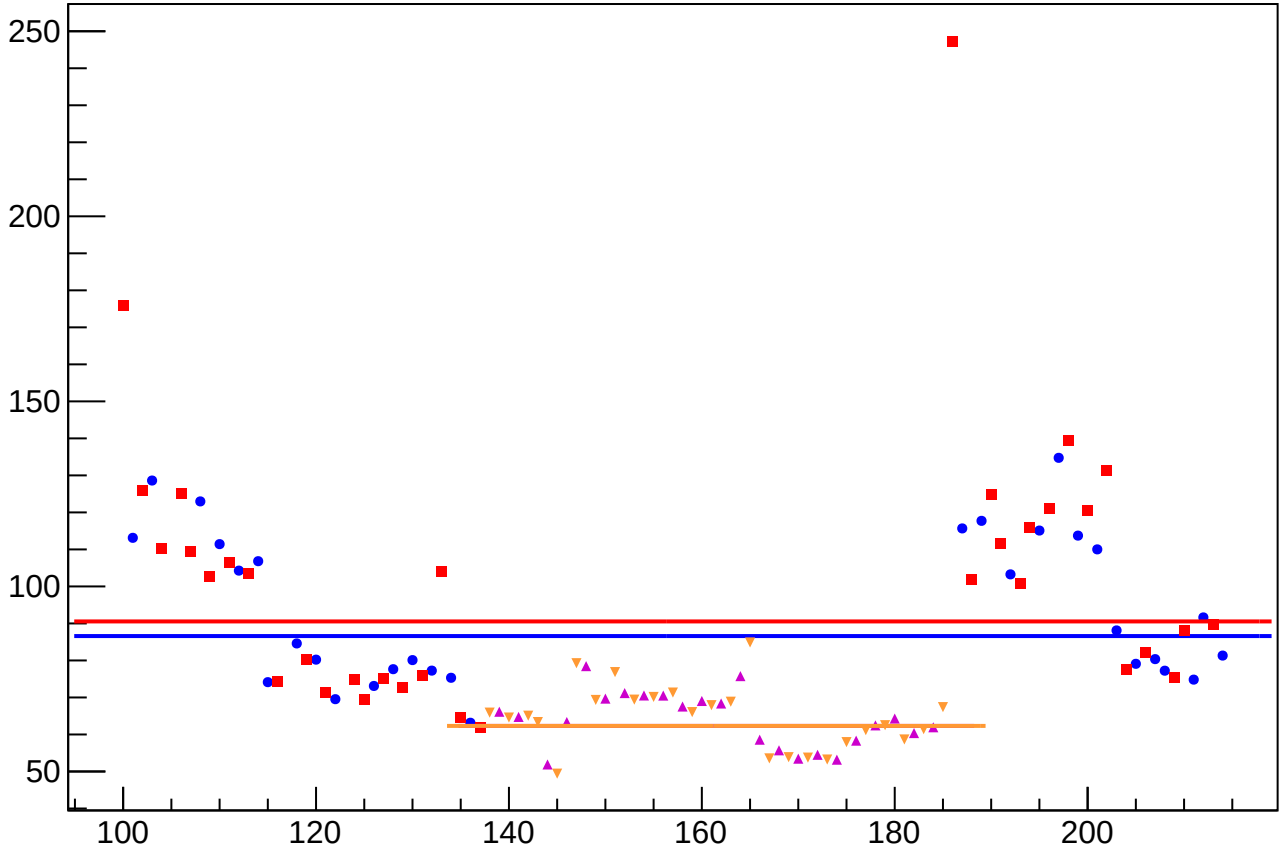
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -12.255+/-11.797 χ^2/NDF: 70.5/54

All: -4.605+/-8.470 χ^2/NDF: 139.3/111

- sign 3.536+/-12.169 χ^2/NDF: 68.0/56

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 86.590+/-0.015 χ^2/NDF: 1460504.6/29

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

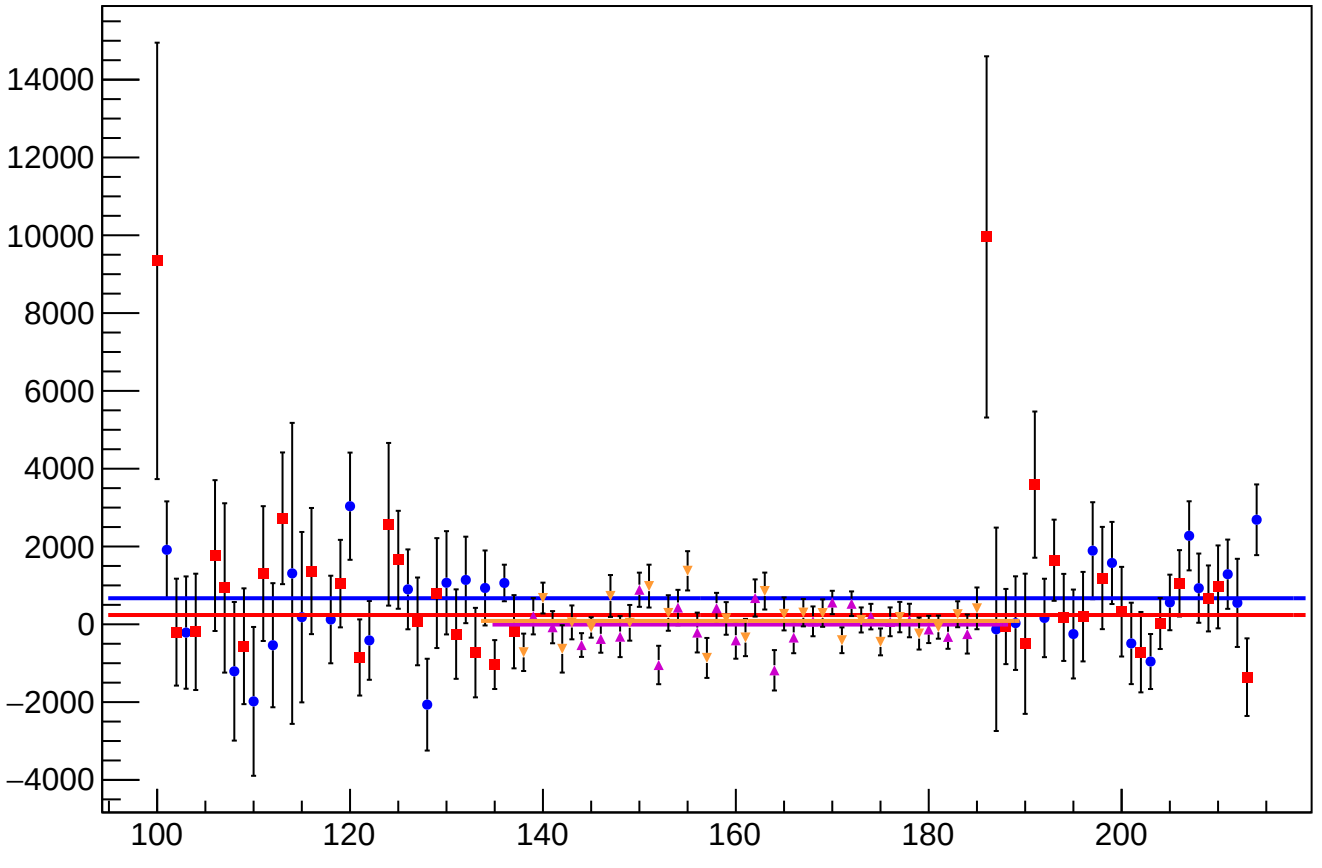
Right Out: 90.544+/-0.015 χ^2/NDF: 2077548.6/33

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.096+/-0.008 χ^2/NDF: 3940879.9/54

All: 70.692+/-0.006 χ^2/NDF: 8853380.6/111

- sign 71.326+/-0.009 χ^2/NDF: 4901959.8/56



Right In: 670.254+/-188.613 χ^2/NDF: 34.1/29

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

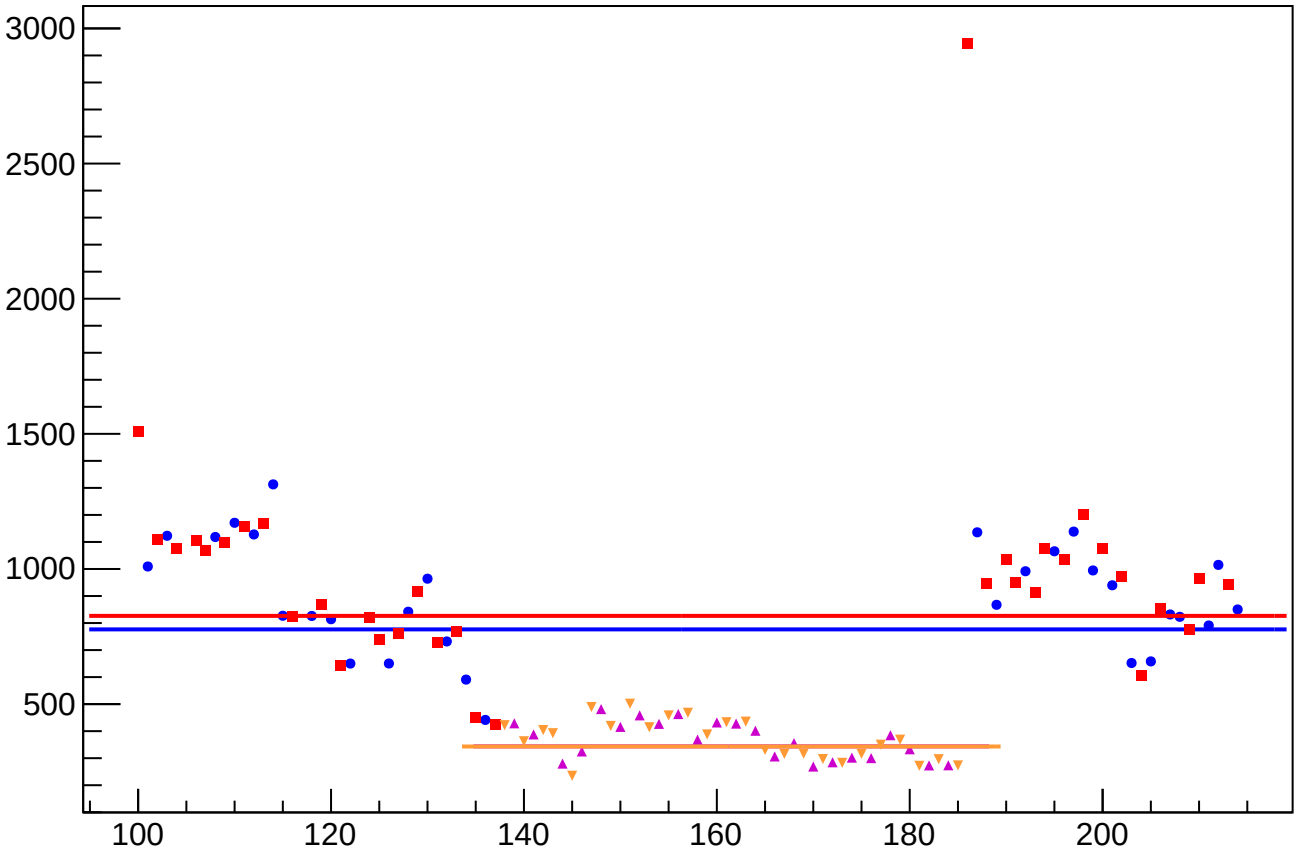
Right Out: 238.959+/-197.722 χ^2/NDF: 31.9/33

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 175.610+/-73.521 χ^2/NDF: 73.9/54

All: 104.866+/-52.785 χ^2/NDF: 141.4/111

- sign 29.607+/-75.832 χ^2/NDF: 65.6/56



Right In: 776.494+/-0.133 χ^2/NDF: 2489814.8/29

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 826.522+/-0.140 χ^2/NDF: 2914859.7/33

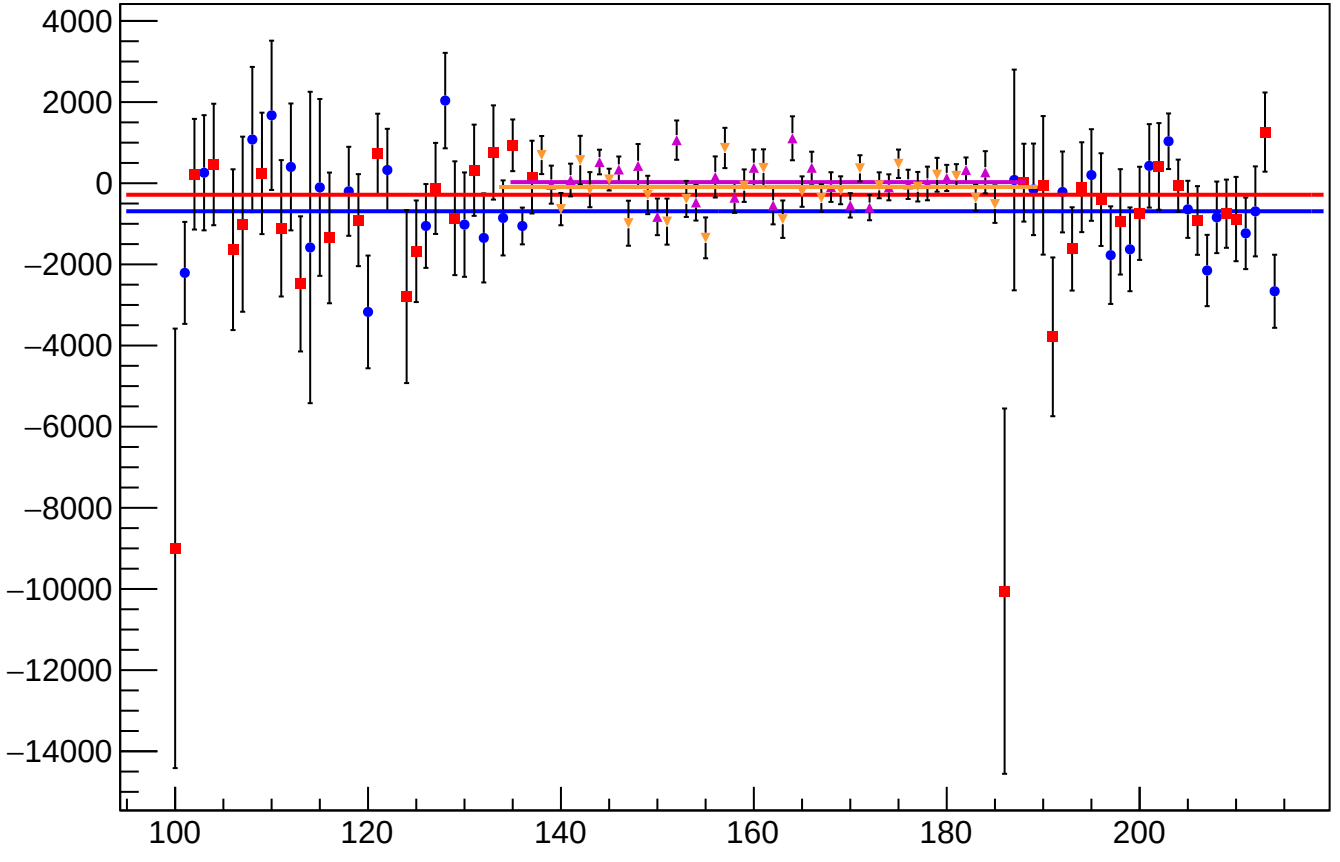
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 409.058+/-0.052 χ^2/NDF: 13035321.5/54

All: 411.808+/-0.037 χ^2/NDF: 27385343.2/11

- sign 414.734+/-0.054 χ^2/NDF: 14344246.2/56

asym_sam_15_26_dd_mean vs Slug



Right In: -690.681+/-184.984 χ^2/NDF: 34.4/29

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -283.763+/-196.350 χ^2/NDF: 29.7/33

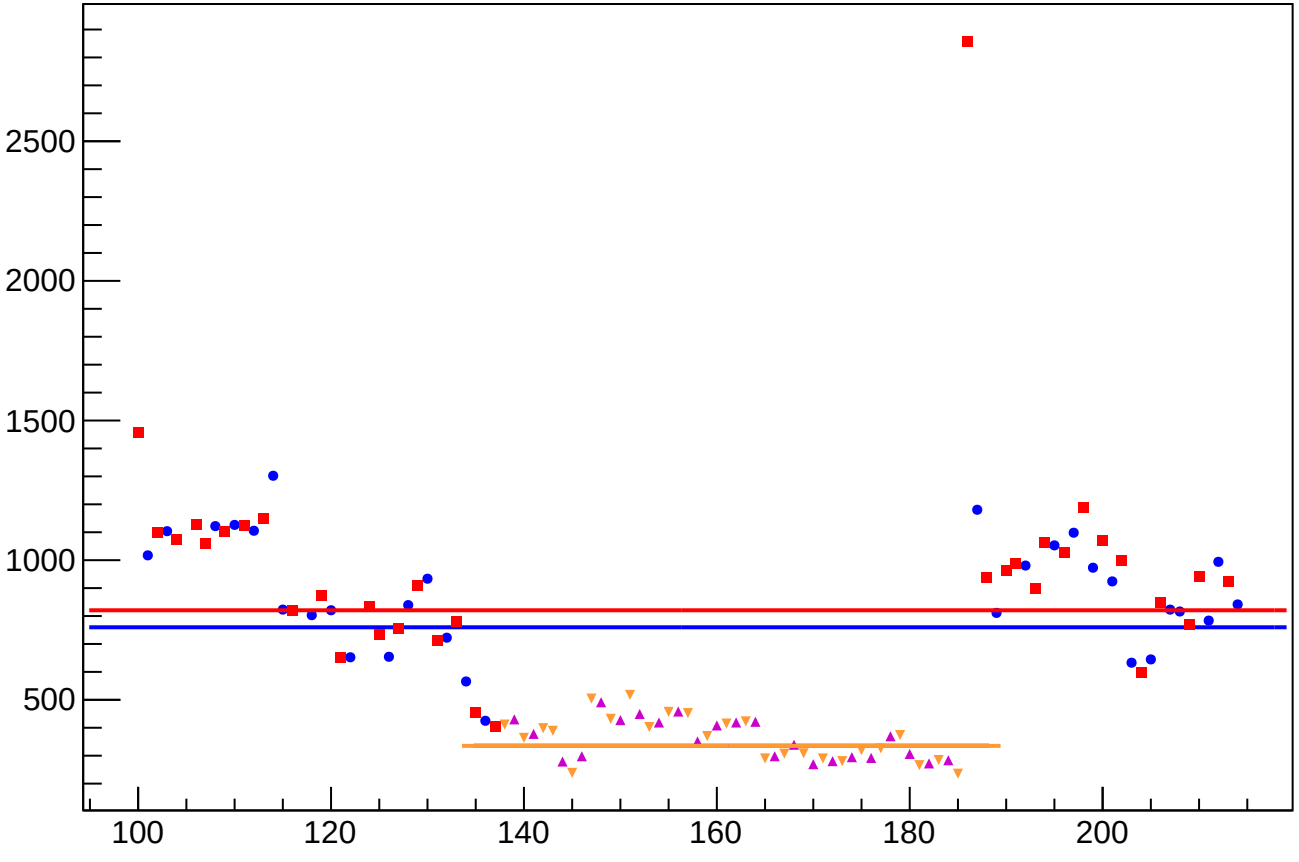
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -183.306+/-72.016 χ^2/NDF: 77.5/54

All: -102.835+/-51.695 χ^2/NDF: 142.8/111

- sign -17.292+/-74.251 χ^2/NDF: 62.7/56

asym_sam_15_26_dd_rms vs Slug



Right In: 759.732+/-0.131 χ^2/NDF: 2607877.3/29

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

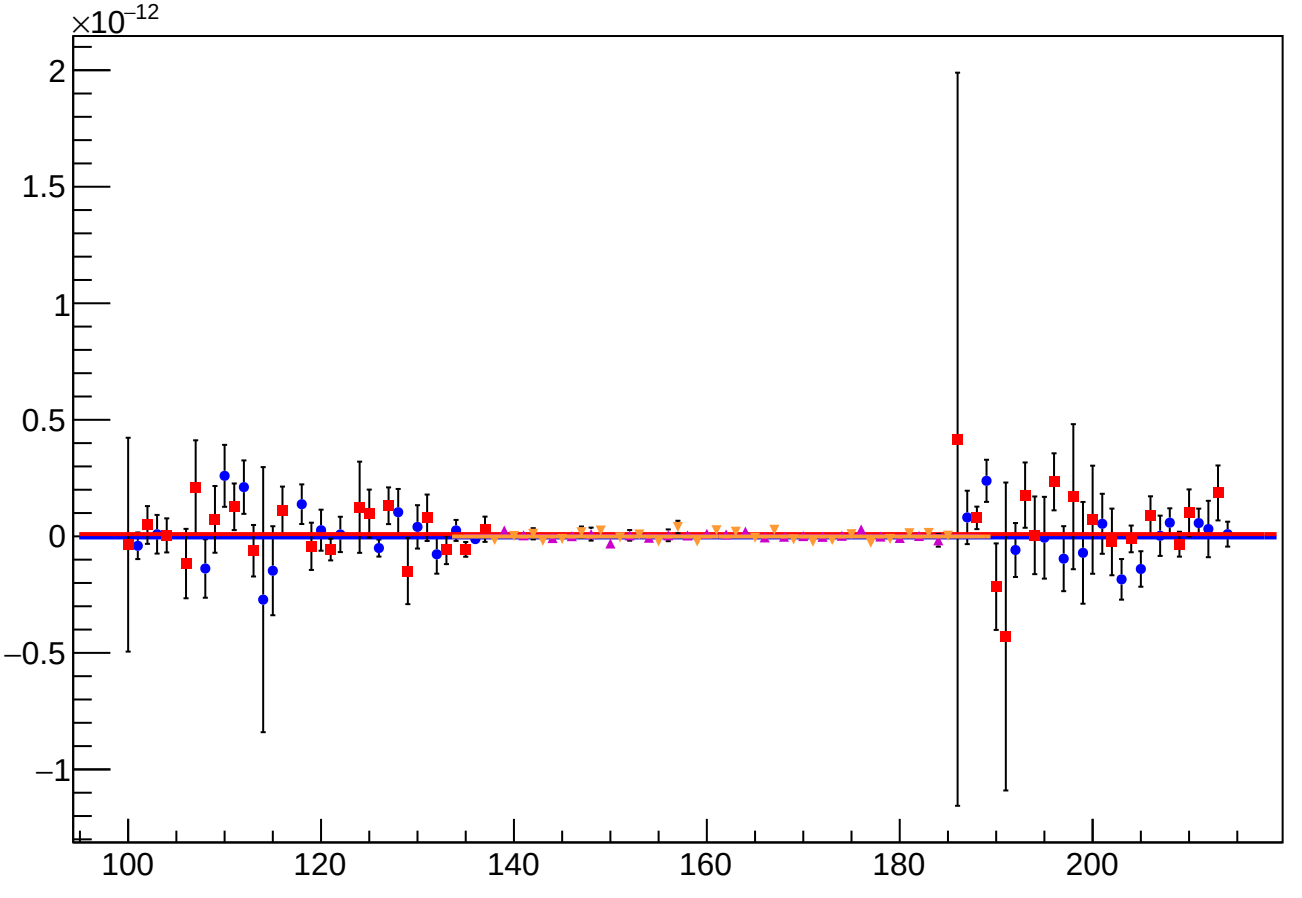
Right Out: 820.597+/-0.139 χ^2/NDF: 2909911.7/33

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 399.500+/-0.051 χ^2/NDF: 13253220.2/54

All: 402.223+/-0.037 χ^2/NDF: 27909801.8/11

- sign 405.117+/-0.053 χ^2/NDF: 14650684.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

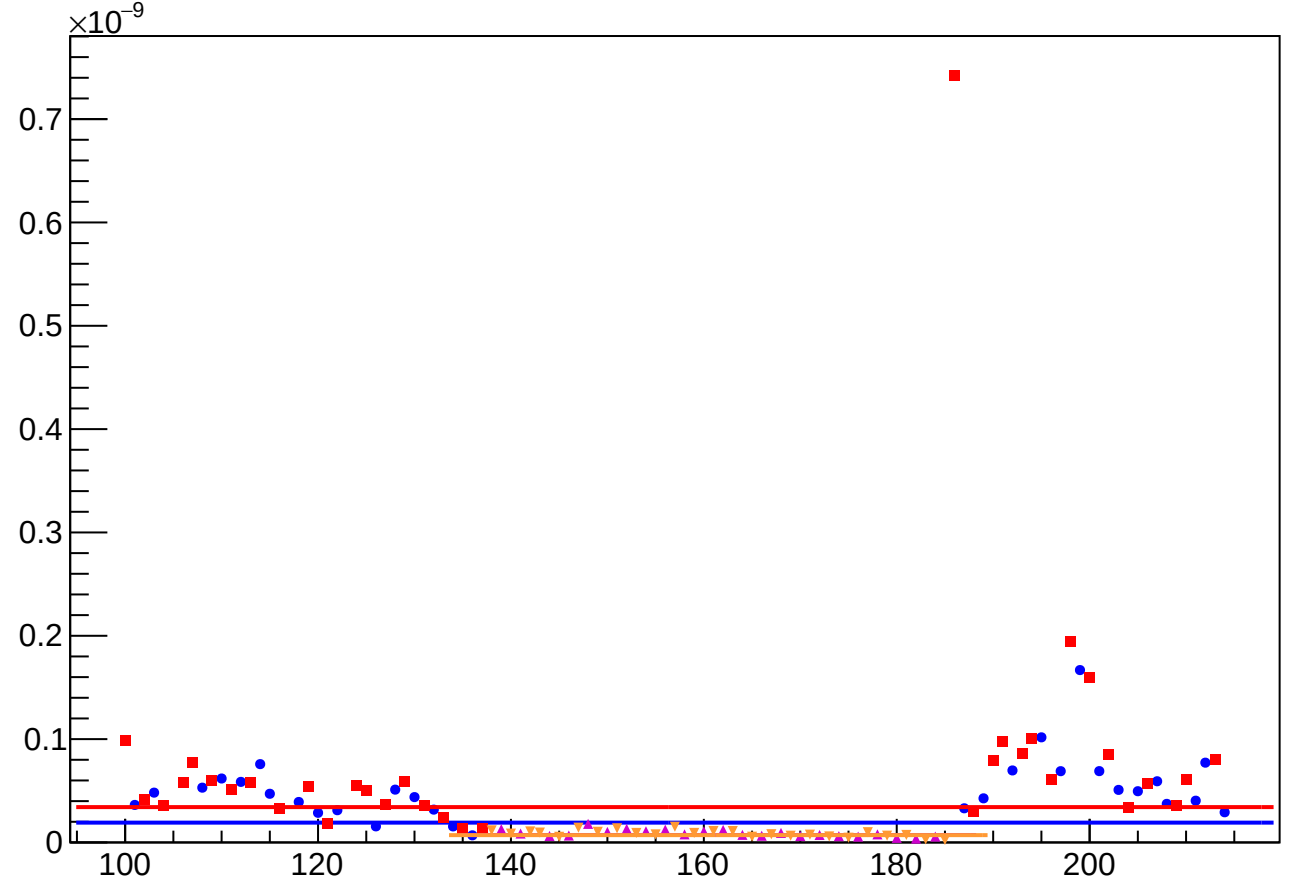
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/33

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.1/54

All: 0.000+/-0.000 χ^2/NDF: 116.8/111

- sign 0.000+/-0.000 χ^2/NDF: 47.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 8035841.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5267143.0/33

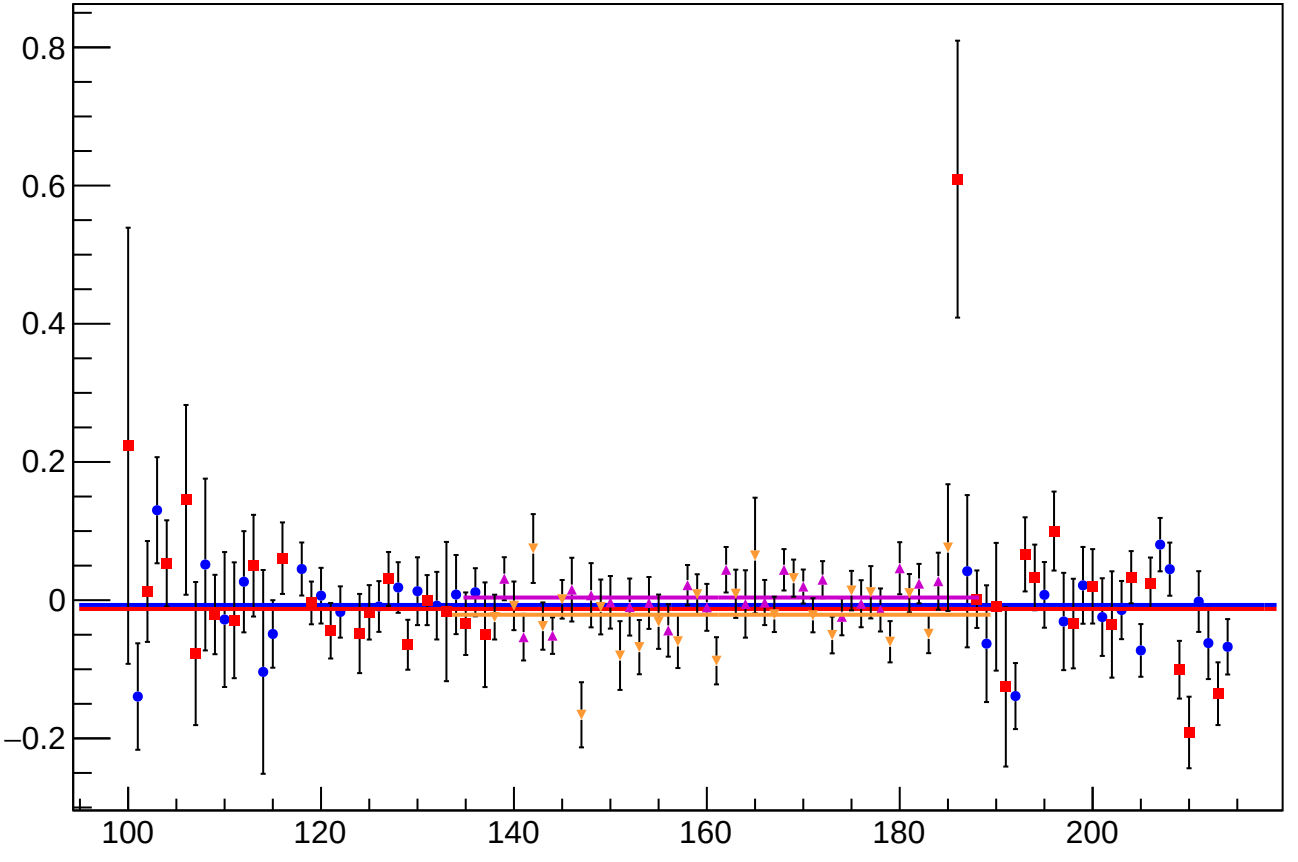
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12987197.2/54

All: 0.000+/-0.000 χ^2/NDF: 26850737.8/111

- sign 0.000+/-0.000 χ^2/NDF: 13853128.7/56

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.007+/-0.009 χ^2/NDF: 33.0/29

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 55.6/33

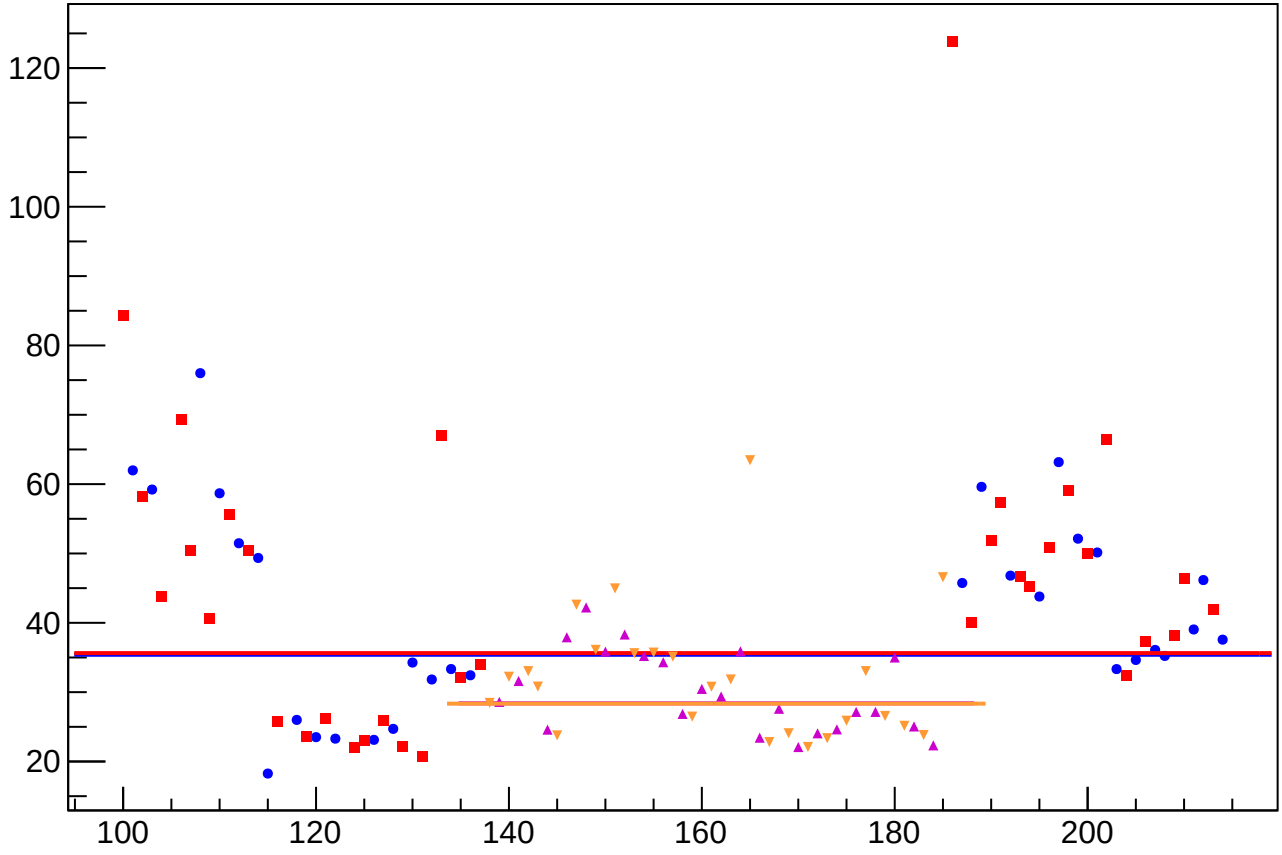
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/54

All: -0.009+/-0.004 χ^2/NDF: 151.5/111

- sign -0.002+/-0.005 χ^2/NDF: 76.5/56

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.394+/-0.006 χ^2/NDF: 3146983.8/29

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

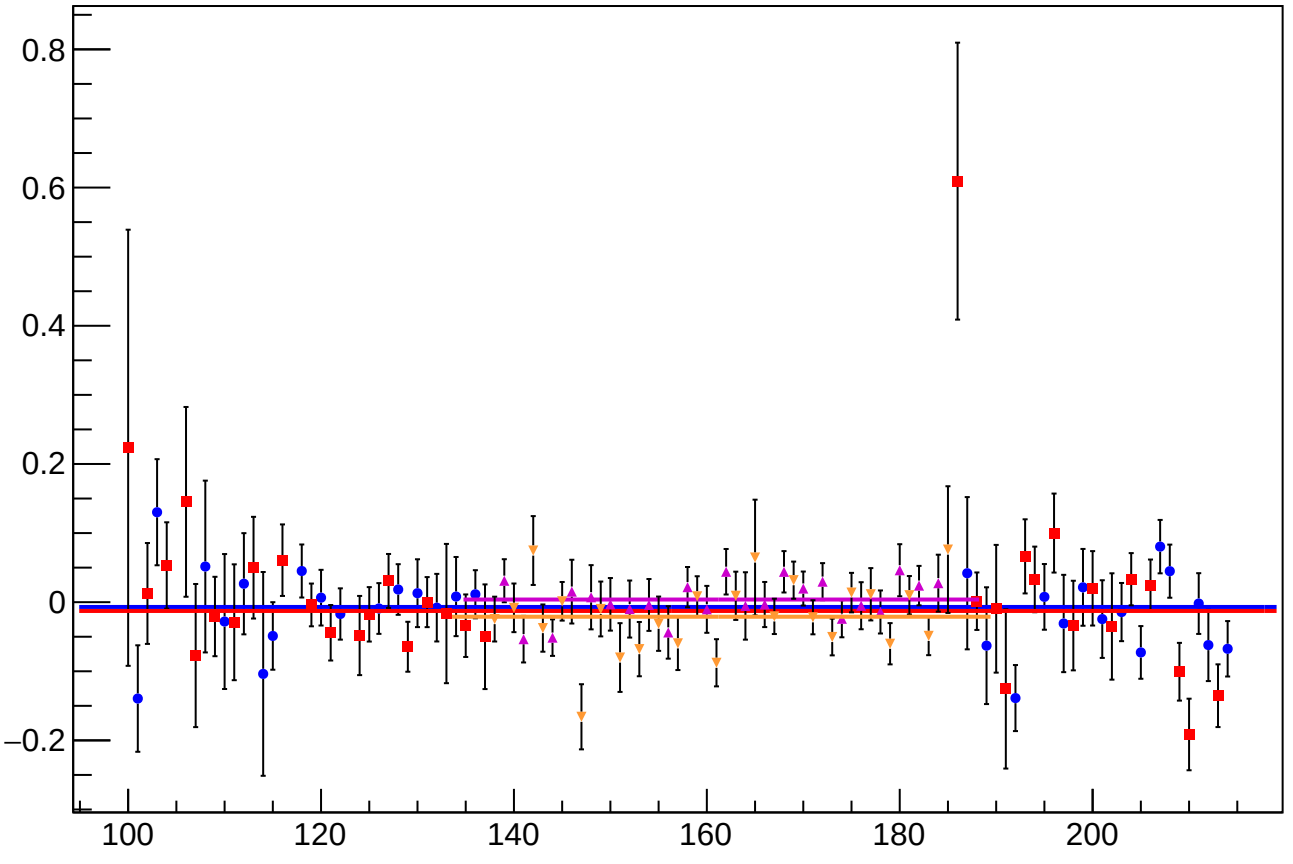
Right Out: 35.633+/-0.006 χ^2/NDF: 4122170.9/33

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.885+/-0.004 χ^2/NDF: 5686917.6/54

All: 30.987+/-0.003 χ^2/NDF: 11741729.1/111

- sign 31.093+/-0.004 χ^2/NDF: 6053319.2/56



Right In: -0.007+/-0.009 χ^2/NDF: 33.0/29

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

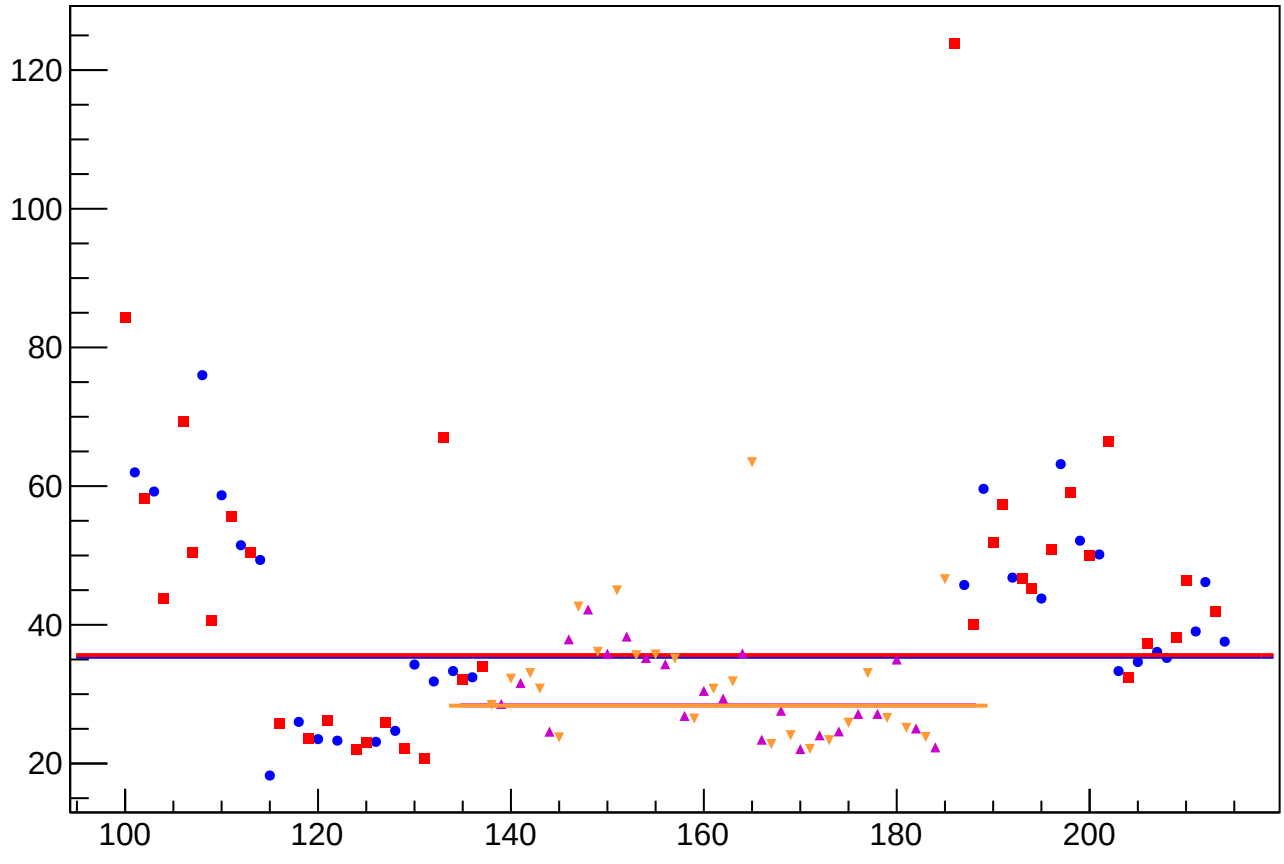
Right Out: -0.013+/-0.009 χ^2/NDF: 55.6/33

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/54

All: -0.009+/-0.004 χ^2/NDF: 151.5/111

- sign -0.002+/-0.005 χ^2/NDF: 76.5/56



Right In: 35.394+/-0.006 χ^2/NDF: 3146983.8/29

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

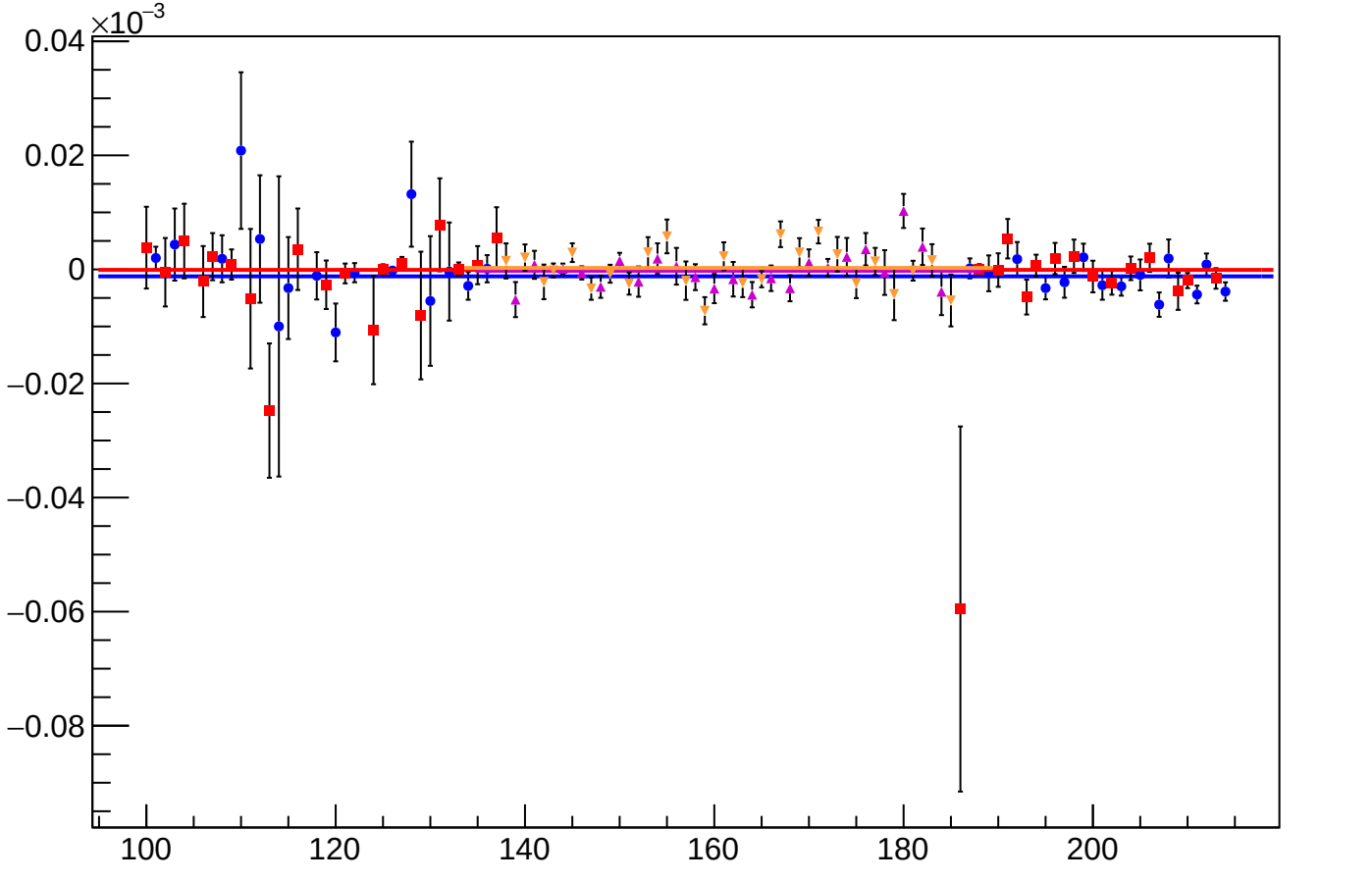
Right Out: 35.633+/-0.006 χ^2/NDF: 4122170.9/33

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.885+/-0.004 χ^2/NDF: 5686917.6/54

All: 30.987+/-0.003 χ^2/NDF: 11741729.1/111

- sign 31.093+/-0.004 χ^2/NDF: 6053319.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

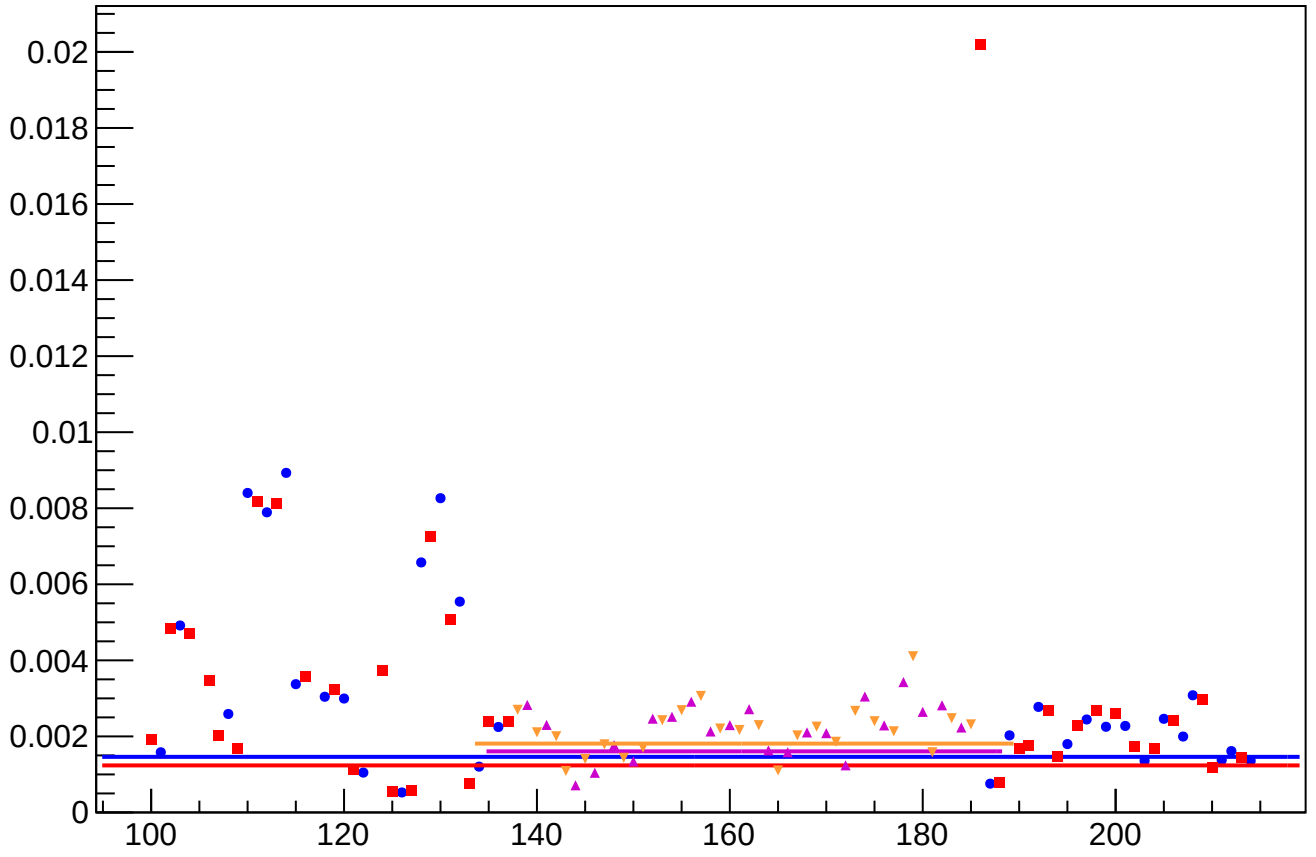
Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/33

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.4/54

All: -0.000+/-0.000 χ^2/NDF: 155.3/111

- sign -0.000+/-0.000 χ^2/NDF: 61.1/56



Right In: 0.001+/-0.000 χ^2/NDF: 9770326.1/29

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

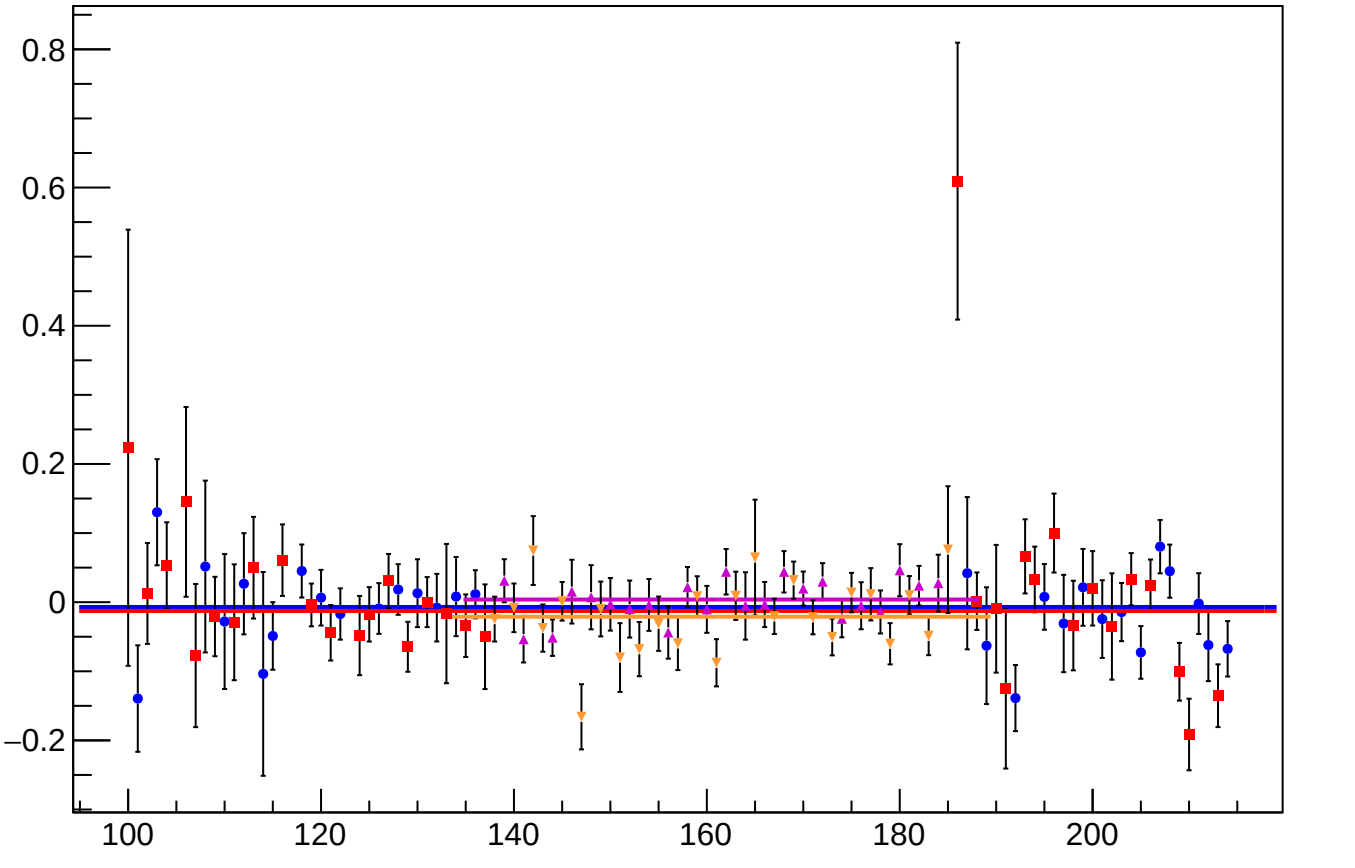
Right Out: 0.001+/-0.000 χ^2/NDF: 11656266.0/33

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13875900.7/54

All: 0.002+/-0.000 χ^2/NDF: 33092493.1/111

- sign 0.001+/-0.000 χ^2/NDF: 18562276.8/56



Right In: -0.007+/-0.009 χ^2/NDF: 33.0/29

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

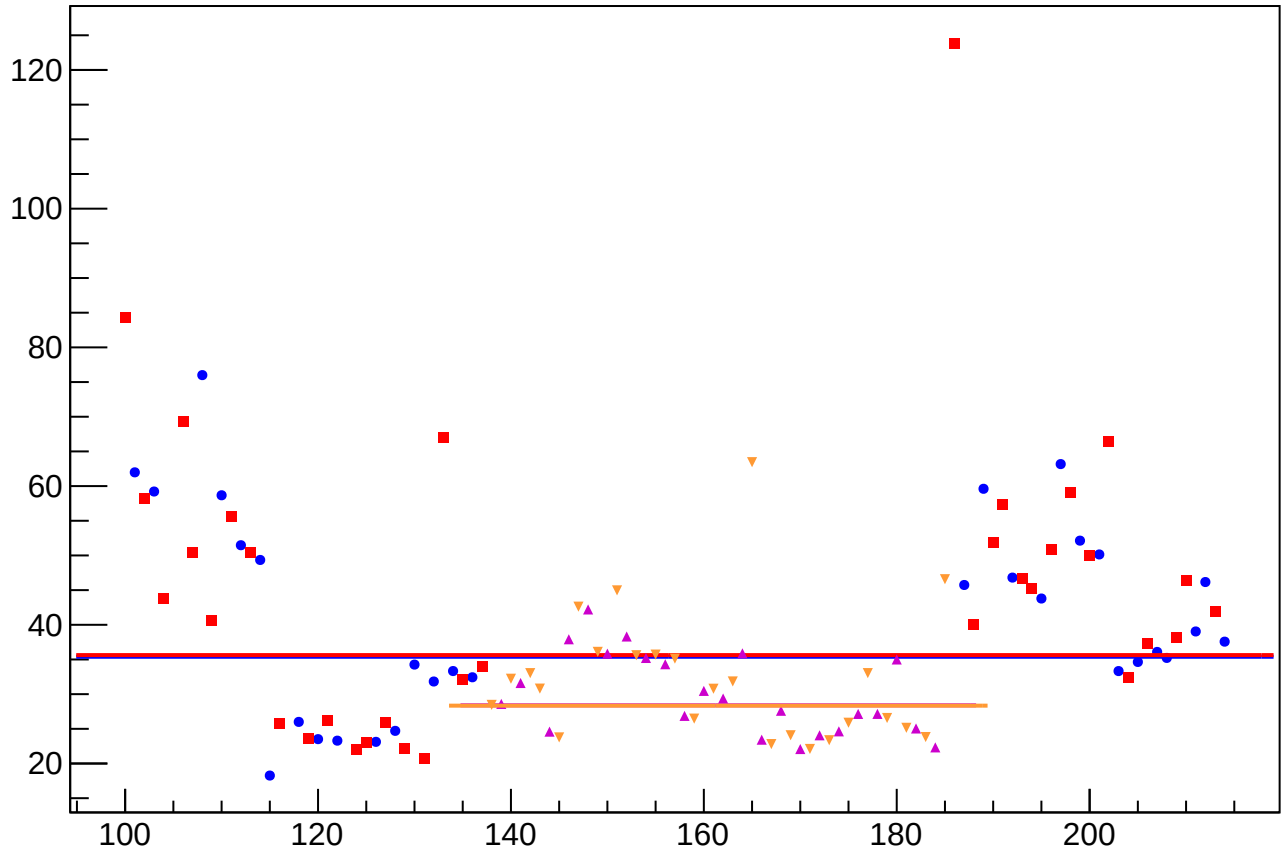
Right Out: -0.013+/-0.009 χ^2/NDF: 55.7/33

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/54

All: -0.009+/-0.004 χ^2/NDF: 151.5/111

- sign -0.002+/-0.005 χ^2/NDF: 76.5/56



Right In: 35.394+/-0.006 χ^2/NDF: 3146856.8/29

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

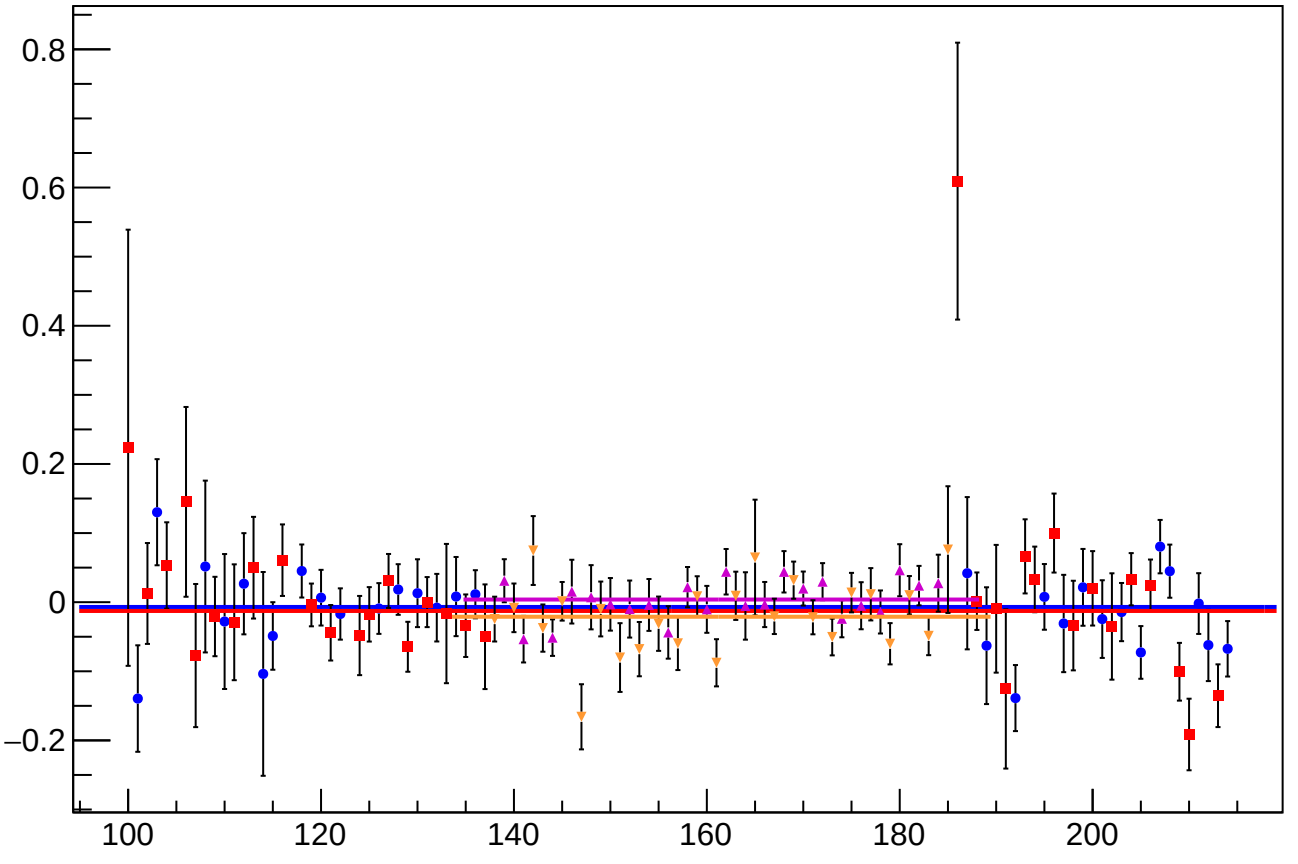
Right Out: 35.632+/-0.006 χ^2/NDF: 4122297.2/33

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.885+/-0.004 χ^2/NDF: 5686758.1/54

All: 30.987+/-0.003 χ^2/NDF: 11741551.2/111

- sign 31.093+/-0.004 χ^2/NDF: 6053300.5/56



Right In: -0.007+/-0.009 χ^2/NDF: 33.0/29

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

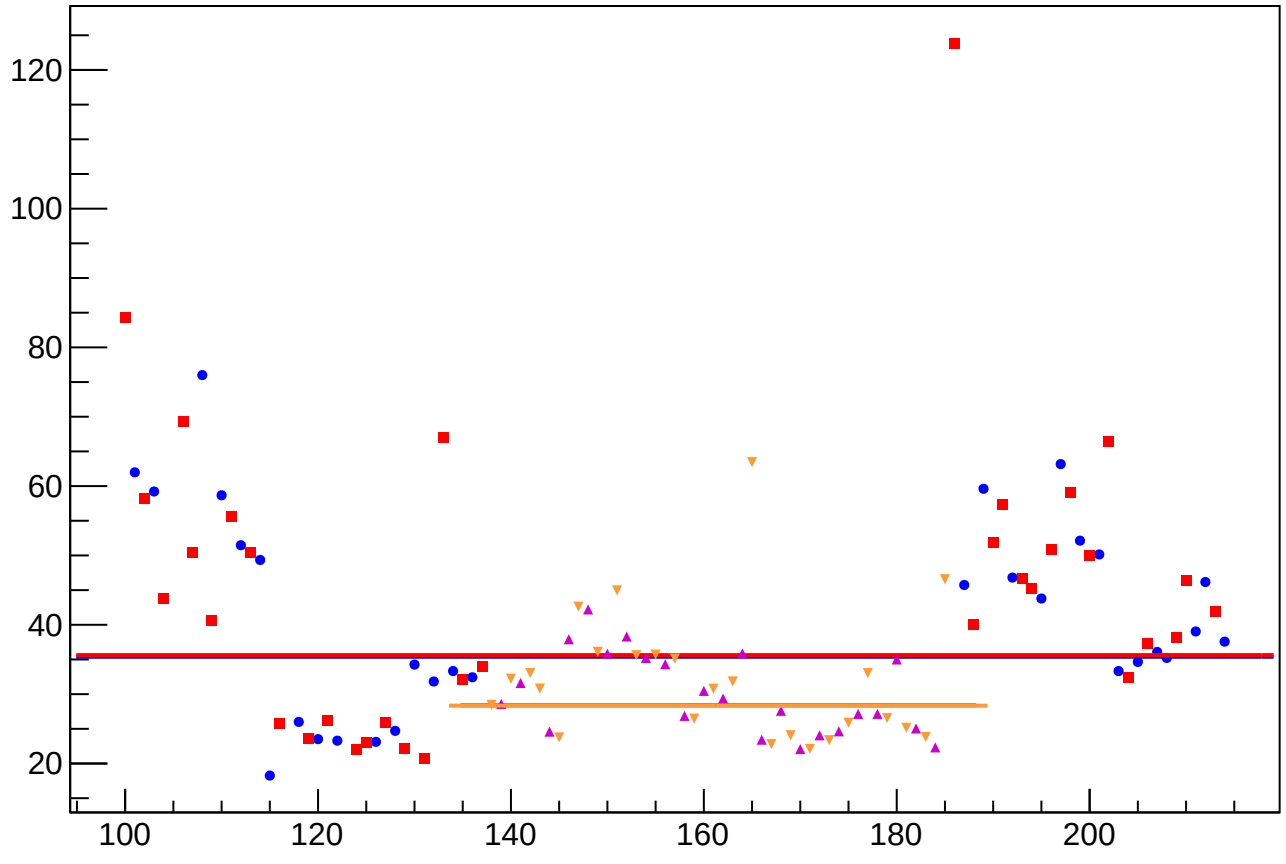
Right Out: -0.013+/-0.009 χ^2/NDF: 55.7/33

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.016+/-0.005 χ^2/NDF: 71.8/54

All: -0.009+/-0.004 χ^2/NDF: 151.5/111

- sign -0.002+/-0.005 χ^2/NDF: 76.5/56



Right In: 35.394+/-0.006 χ^2/NDF: 3146856.8/29

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

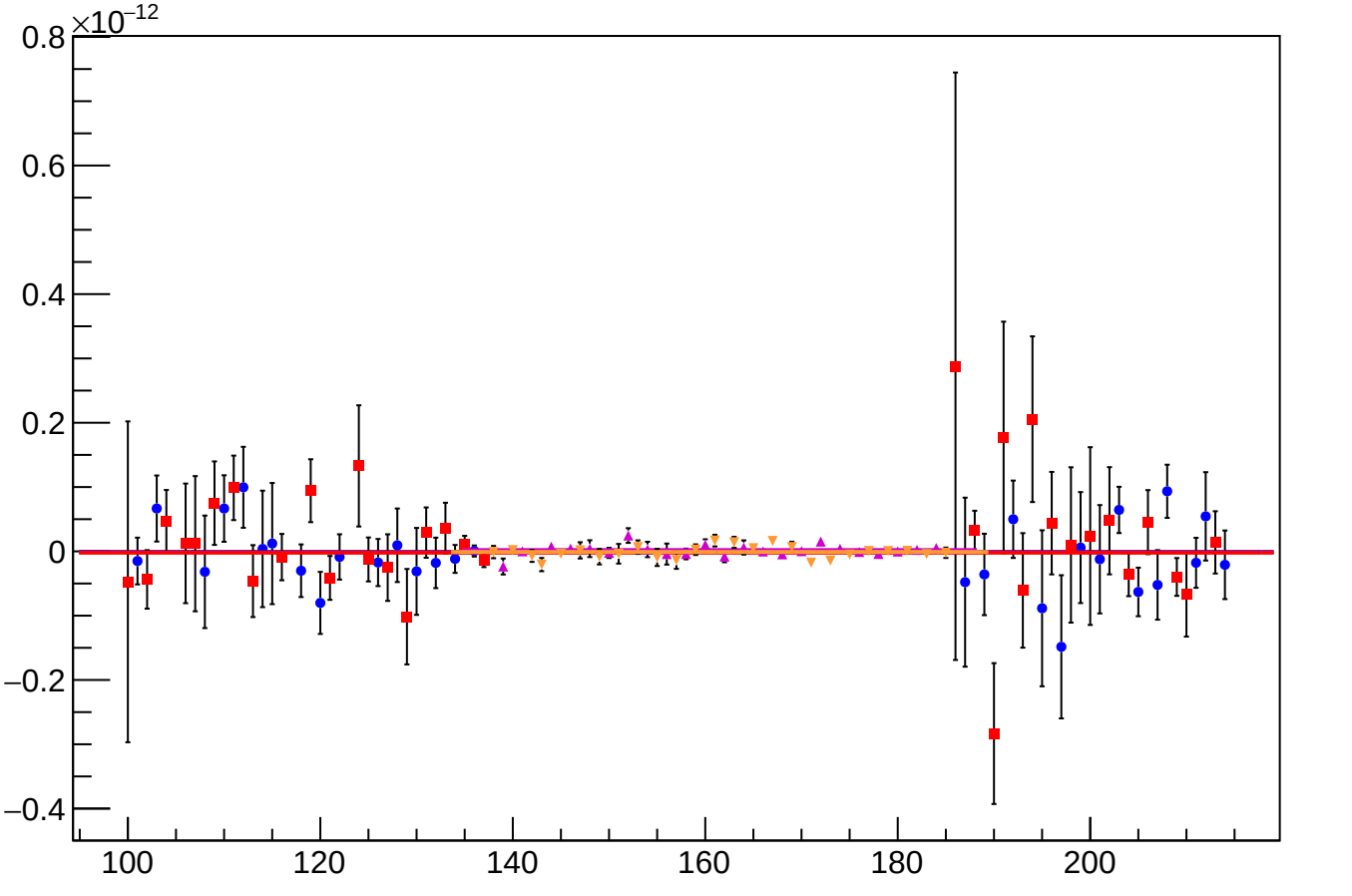
Right Out: 35.632+/-0.006 χ^2/NDF: 4122297.2/33

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.885+/-0.004 χ^2/NDF: 5686758.1/54

All: 30.987+/-0.003 χ^2/NDF: 11741551.2/111

- sign 31.093+/-0.004 χ^2/NDF: 6053300.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

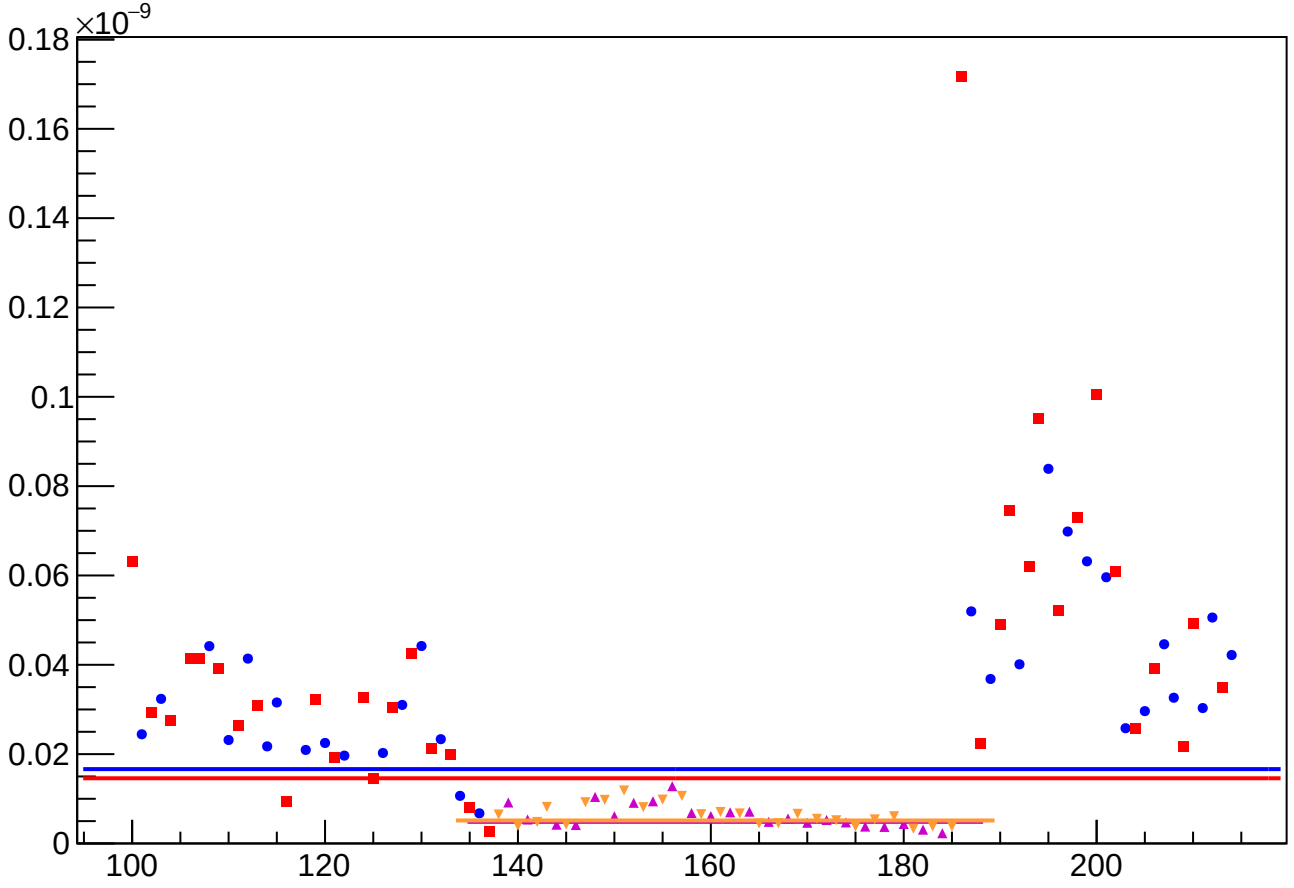
Right Out: -0.000+/-0.000 χ^2/NDF: 39.1/33

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/54

All: 0.000+/-0.000 χ^2/NDF: 121.9/111

- sign 0.000+/-0.000 χ^2/NDF: 59.0/56



Right In: 0.000+/-0.000 χ^2/NDF: 9494304.8/29

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11685040.0/33

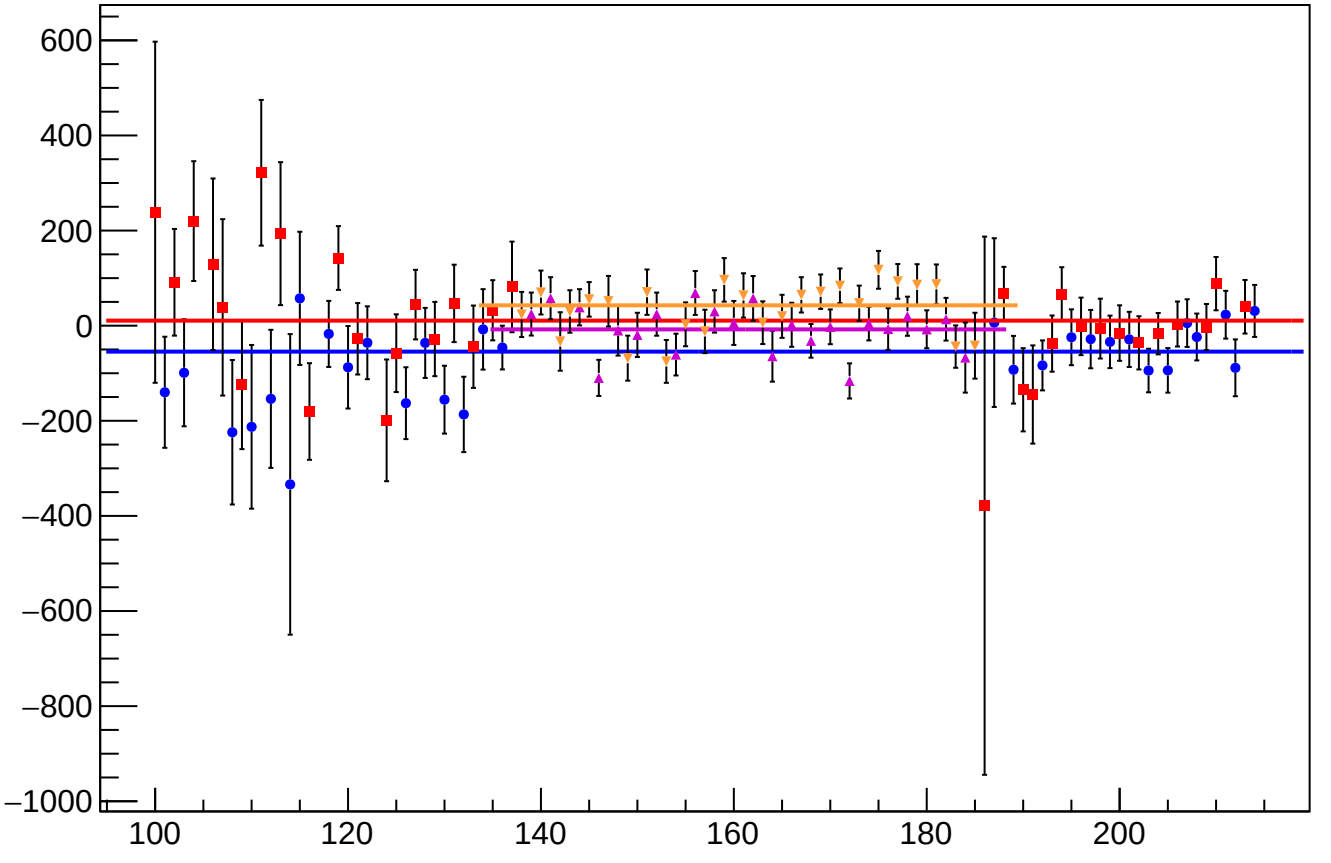
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 19071794.9/54

All: 0.000+/-0.000 χ^2/NDF: 38809115.8/111

- sign 0.000+/-0.000 χ^2/NDF: 19660744.0/56

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -54.558+/-12.214 χ^2/NDF: 22.3/29

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 10.614+/-12.524 χ^2/NDF: 35.4/33

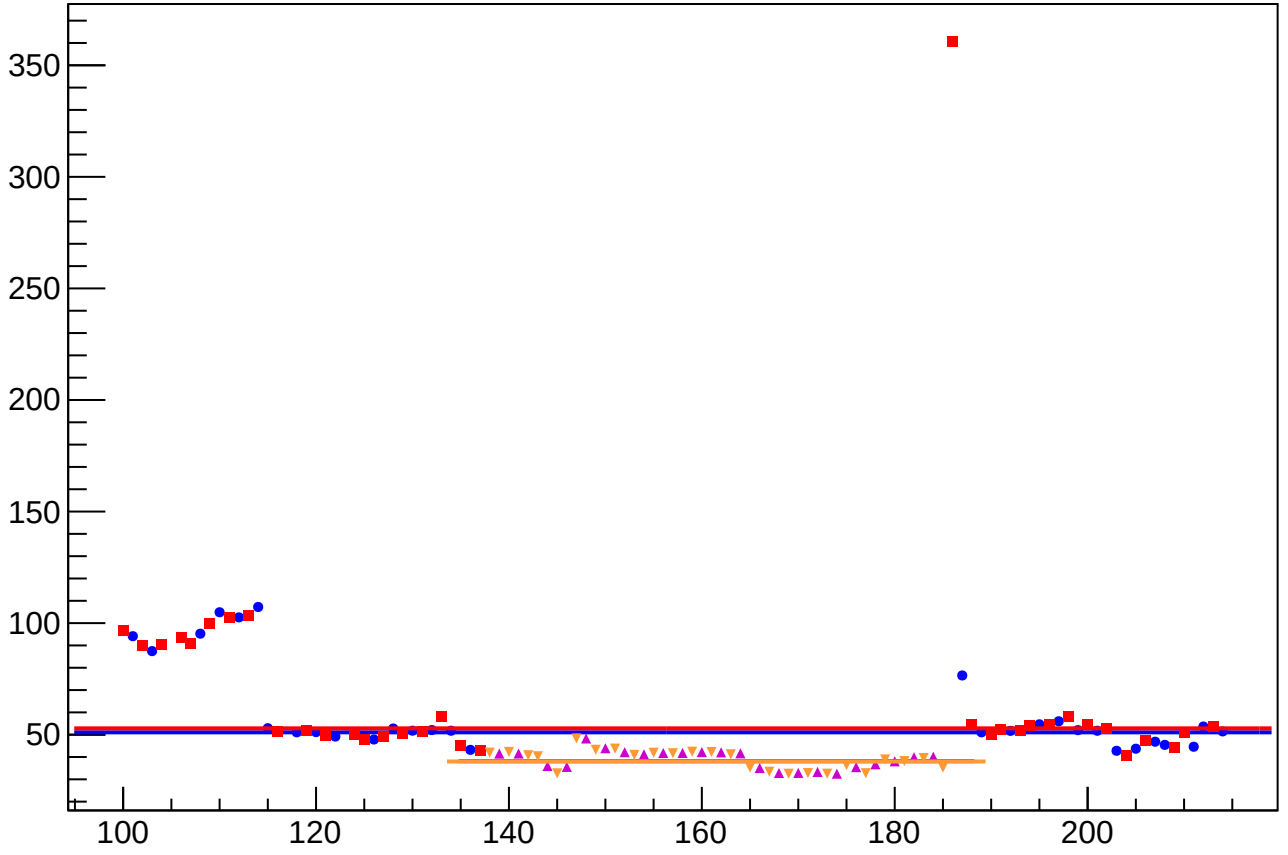
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 10.015+/-7.085 χ^2/NDF: 99.2/54

All: 4.405+/-5.082 χ^2/NDF: 167.9/111

- sign -1.542+/-7.295 χ^2/NDF: 67.4/56

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 51.057+/-0.009 χ^2/NDF: 1481483.9/29

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

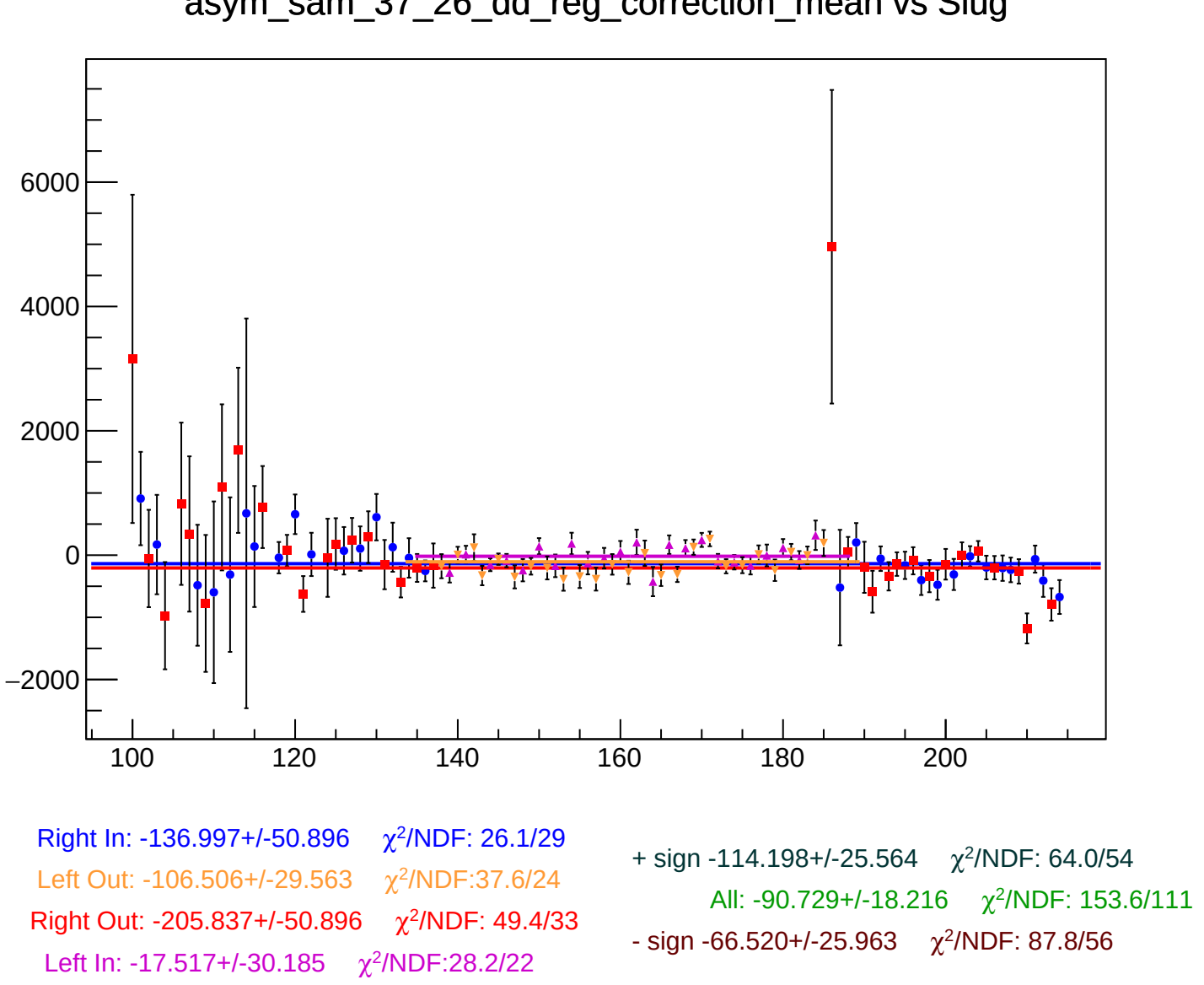
Right Out: 52.847+/-0.009 χ^2/NDF: 2238419.1/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

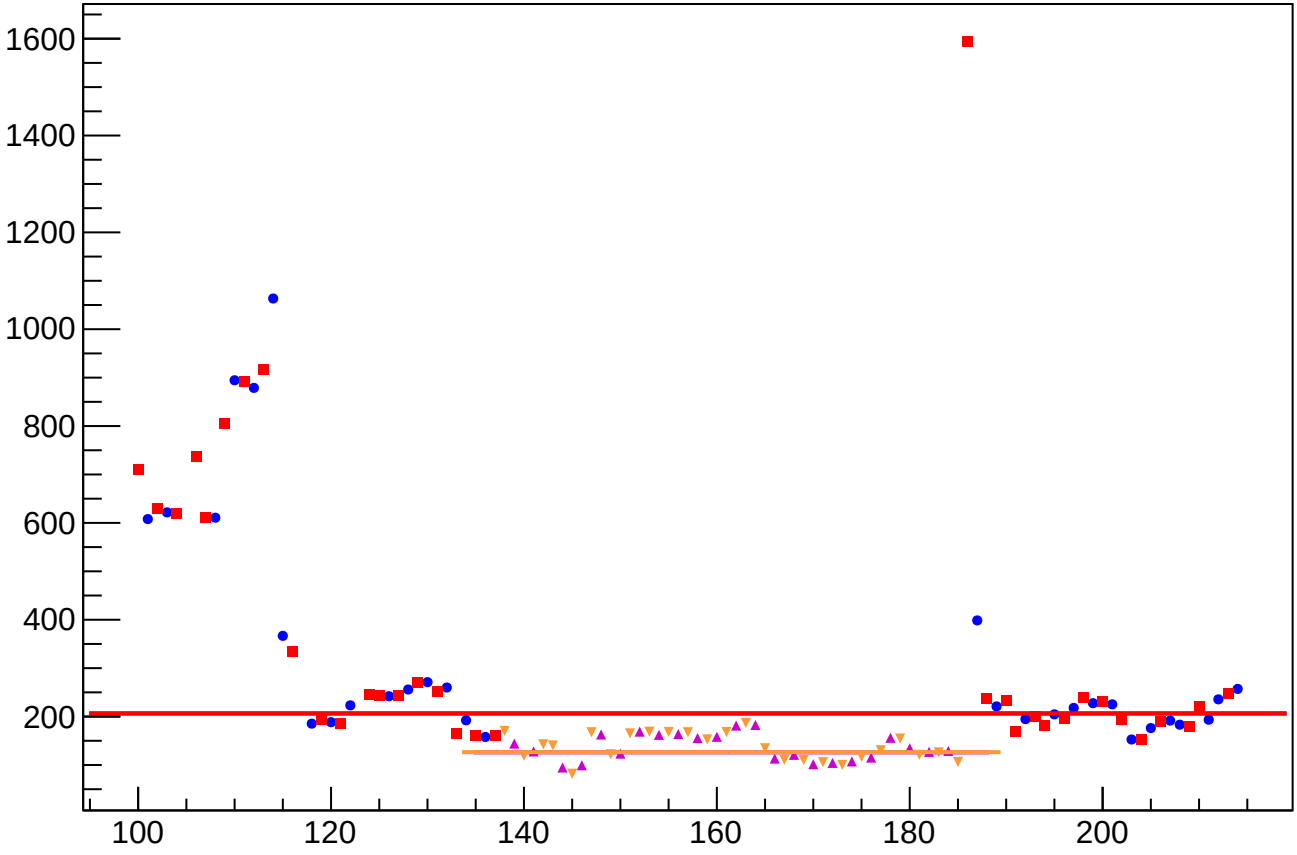
\+ sign 42.387+/-0.005 χ^2/NDF: 3513967.8/54

All: 42.745+/-0.004 χ^2/NDF: 8015122.3/111

\- sign 43.124+/-0.005 χ^2/NDF: 4490634.2/56


asym_sam_37_26_dd_reg_correction_mean vs Slug
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -136.997+/-50.896 χ²/NDF: 26.1/29
Left Out: -106.506+/-29.563 χ²/NDF:37.6/24
Right Out: -205.837+/-50.896 χ²/NDF: 49.4/33
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -114.198+/-25.564 χ²/NDF: 64.0/54
All: -90.729+/-18.216 χ²/NDF: 153.6/111
- sign -66.520+/-25.963 χ²/NDF: 87.8/56

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.322+/-0.036 χ^2/NDF: 3573227.9/29

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.637+/-0.036 χ^2/NDF: 4827414.4/33

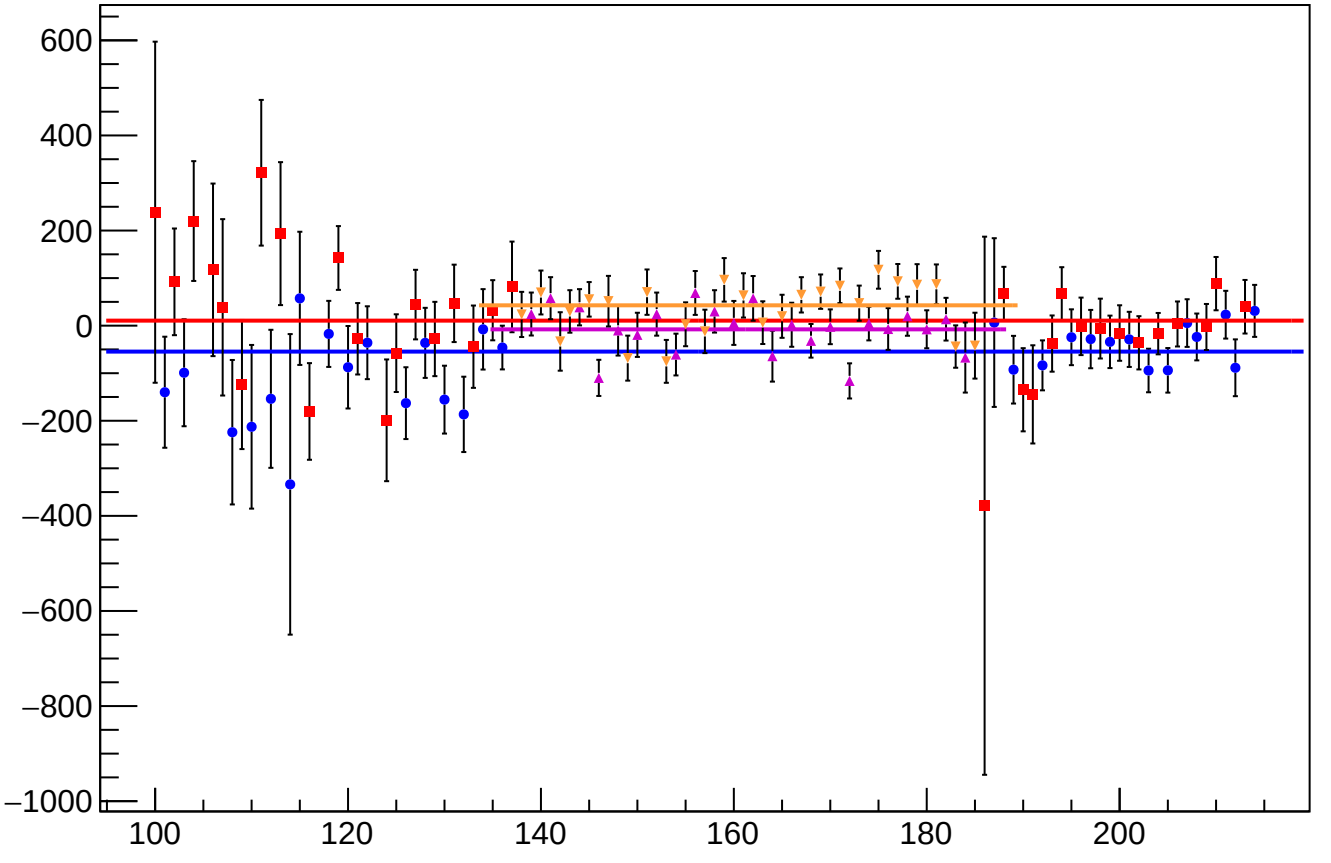
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 146.683+/-0.018 χ^2/NDF: 9004177.0/54

All: 146.836+/-0.013 χ^2/NDF: 18955135.2/11

- sign 146.993+/-0.018 χ^2/NDF: 9950813.7/56

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -54.556+/-12.214 χ^2/NDF: 22.3/29

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 10.561+/-12.525 χ^2/NDF: 35.3/33

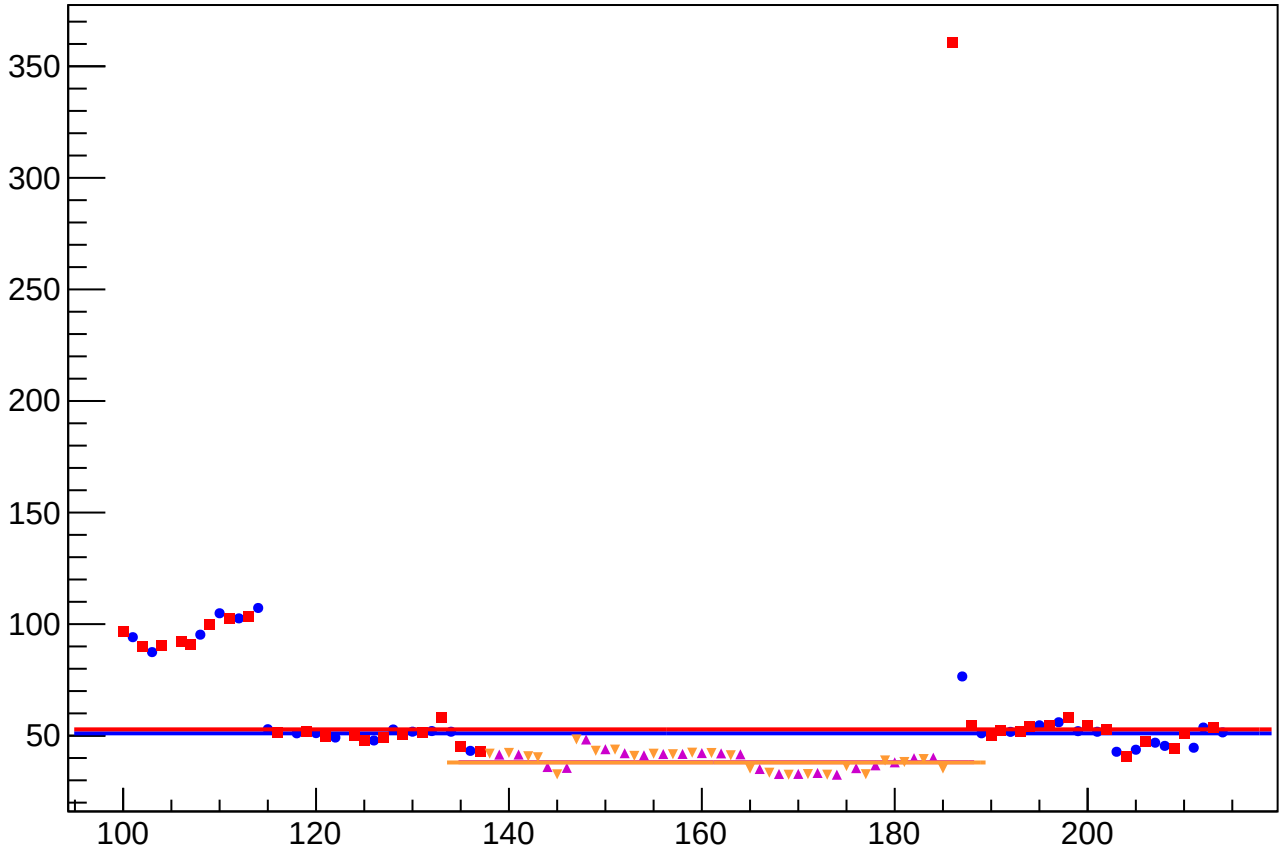
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.017+/-7.085 χ^2/NDF: 99.2/54

All: 4.397+/-5.082 χ^2/NDF: 167.8/111

- sign -1.561+/-7.295 χ^2/NDF: 67.3/56

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.057+/-0.009 χ^2/NDF: 1481484.1/29

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

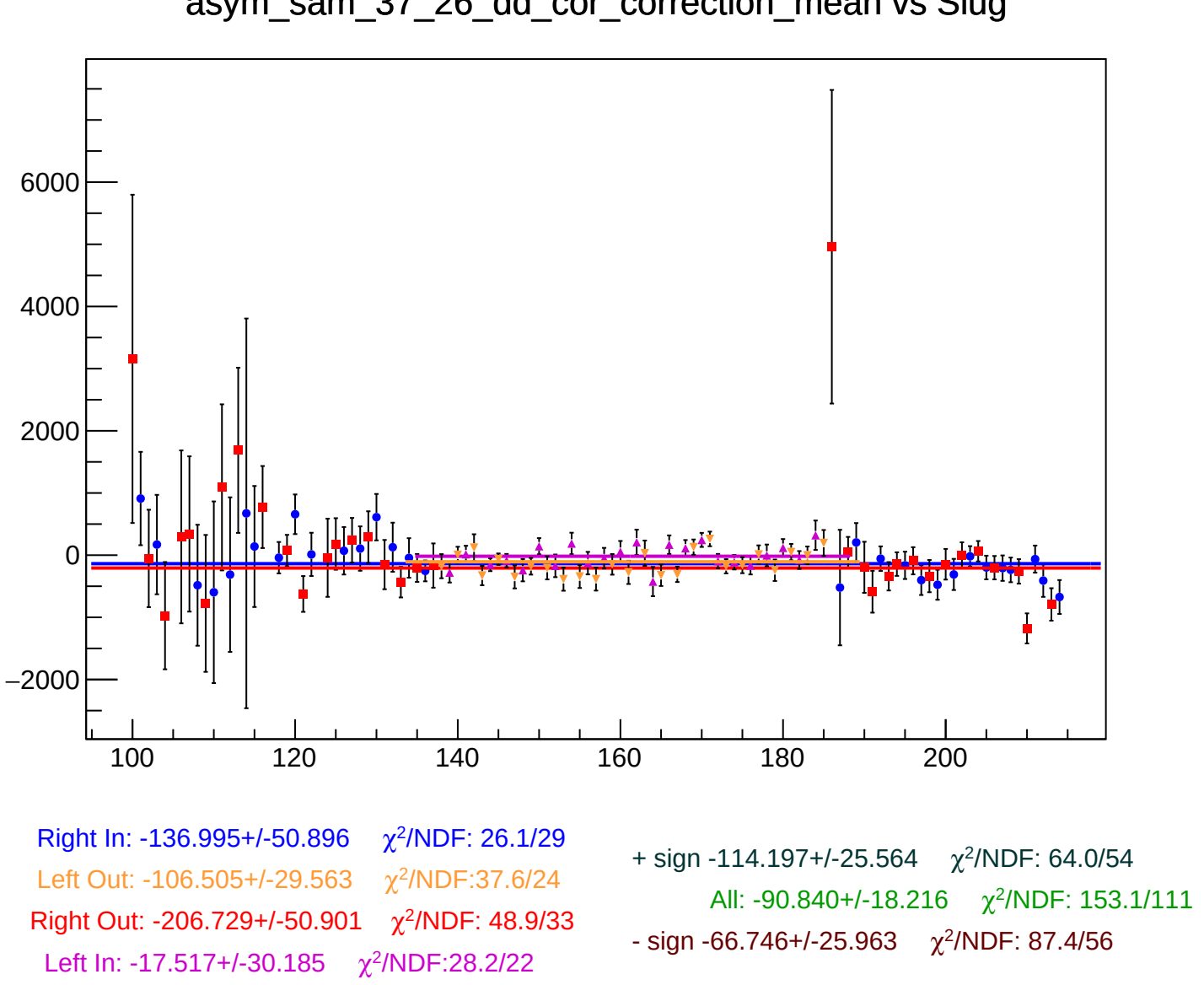
Right Out: 52.837+/-0.009 χ^2/NDF: 2229890.7/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

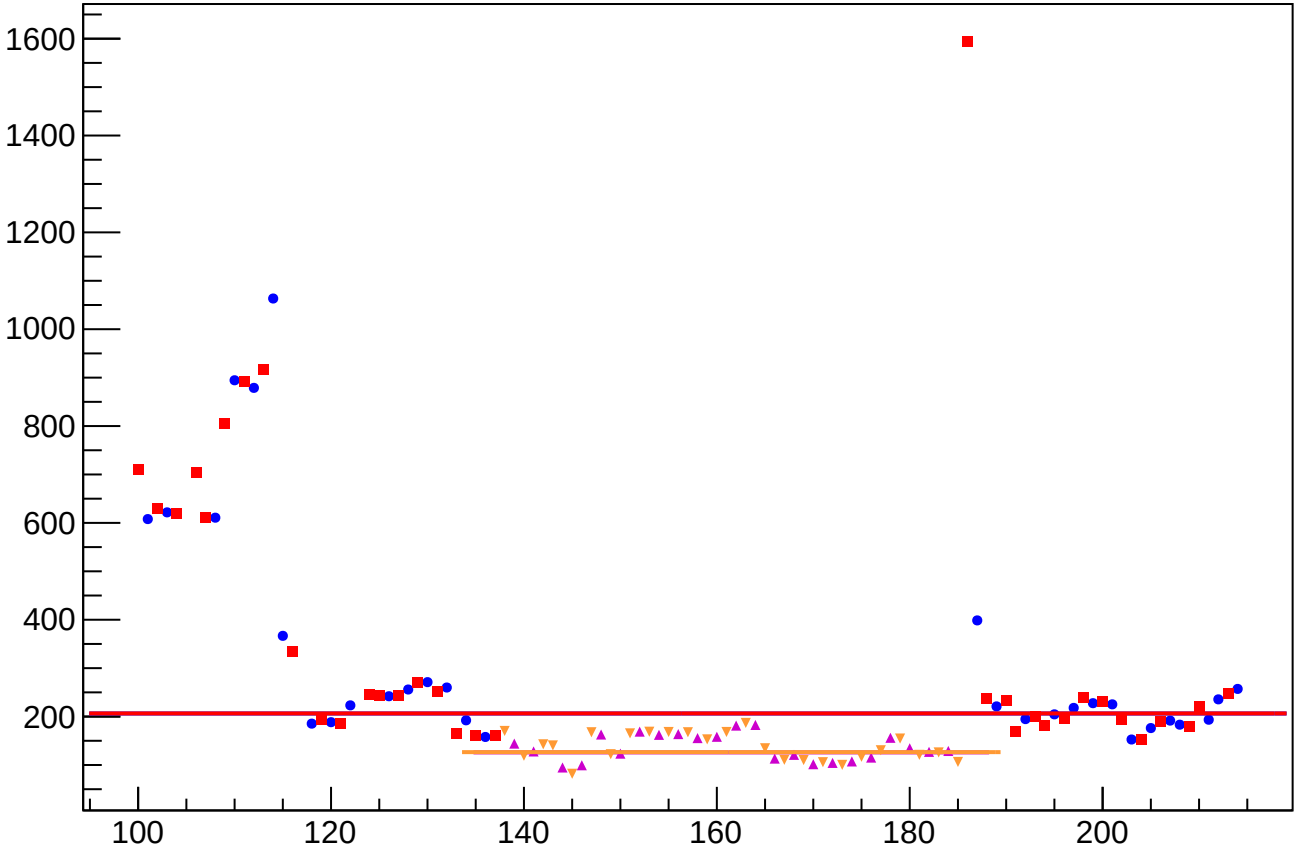
+ sign 42.387+/-0.005 χ^2/NDF: 3513968.0/54

All: 42.743+/-0.004 χ^2/NDF: 8004044.2/111

- sign 43.121+/-0.005 χ^2/NDF: 4479654.5/56


asym_sam_37_26_dd_cor_correction_mean vs Slug
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -136.995+/-50.896 χ²/NDF: 26.1/29
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: -206.729+/-50.901 χ²/NDF: 48.9/33
Left In: -17.517+/-30.185 χ²/NDF:28.2/22
+ sign -114.197+/-25.564 χ²/NDF: 64.0/54
All: -90.840+/-18.216 χ²/NDF: 153.1/111
- sign -66.746+/-25.963 χ²/NDF: 87.4/56

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.322+/-0.036 χ^2/NDF: 3573236.4/29

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.498+/-0.036 χ^2/NDF: 4754358.4/33

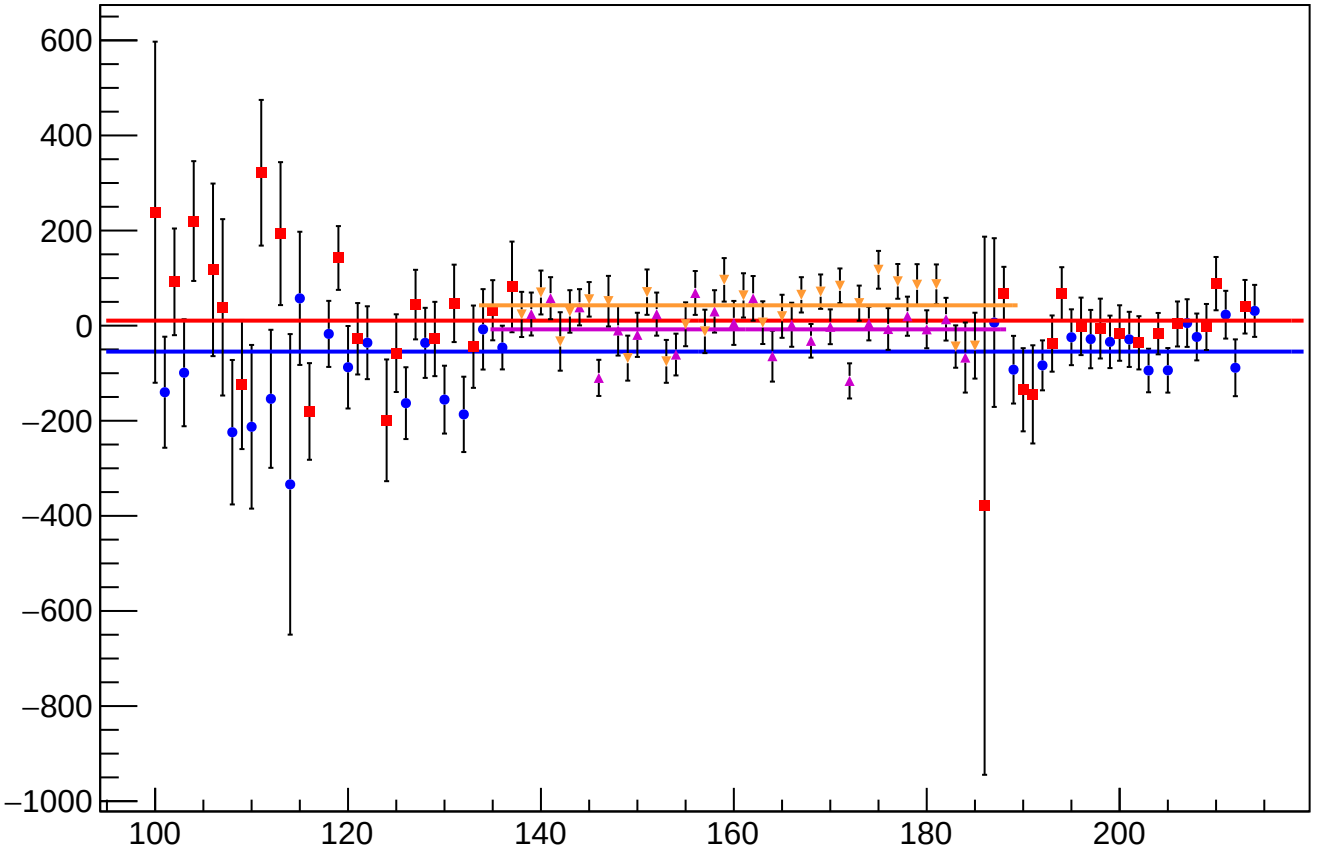
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 146.683+/-0.018 χ^2/NDF: 9004171.3/54

All: 146.816+/-0.013 χ^2/NDF: 18868745.6/11

- sign 146.954+/-0.018 χ^2/NDF: 9864464.0/56

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -54.556+/-12.214 χ^2/NDF: 22.3/29

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 10.561+/-12.525 χ^2/NDF: 35.3/33

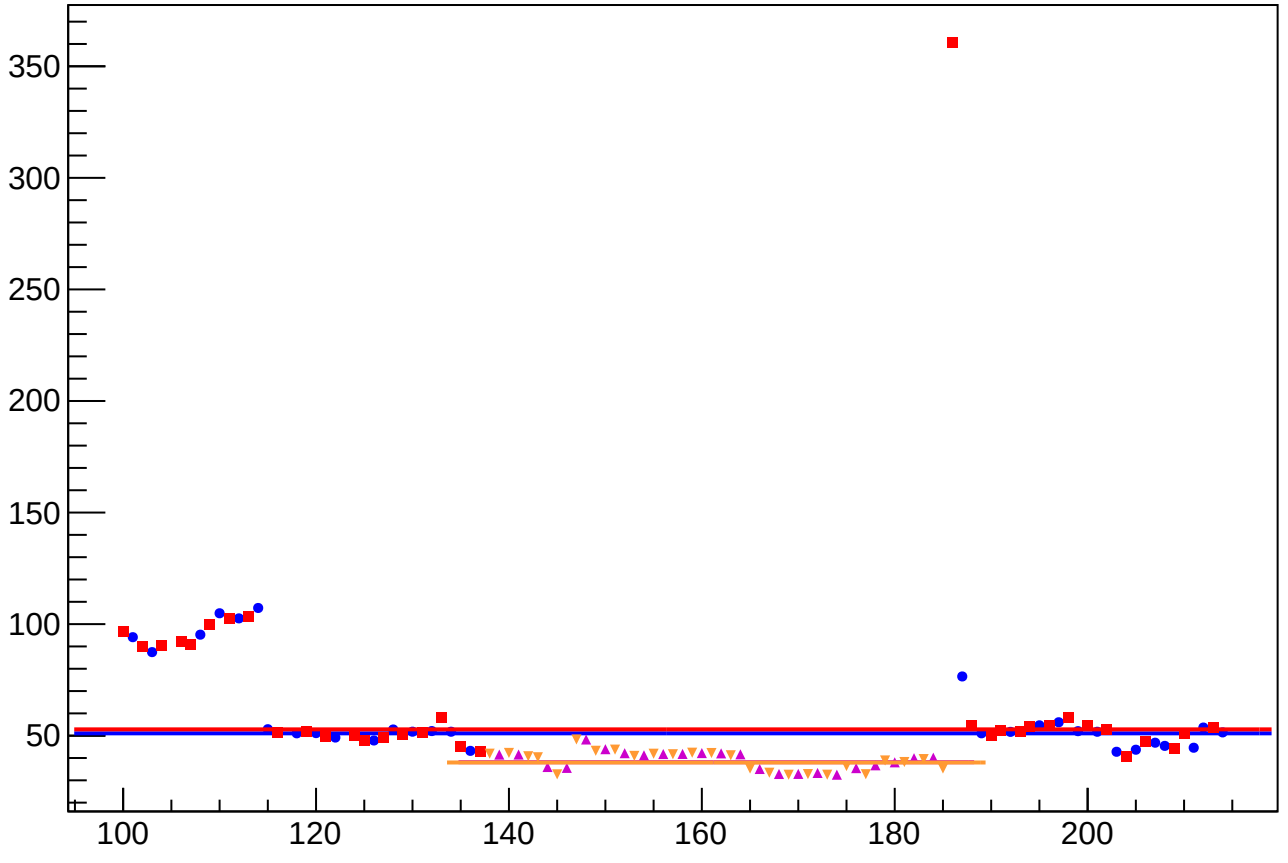
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 10.017+/-7.085 χ^2/NDF: 99.2/54

All: 4.397+/-5.082 χ^2/NDF: 167.8/111

- sign -1.561+/-7.295 χ^2/NDF: 67.3/56

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 51.057+/-0.009 χ^2/NDF: 1481484.1/29

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

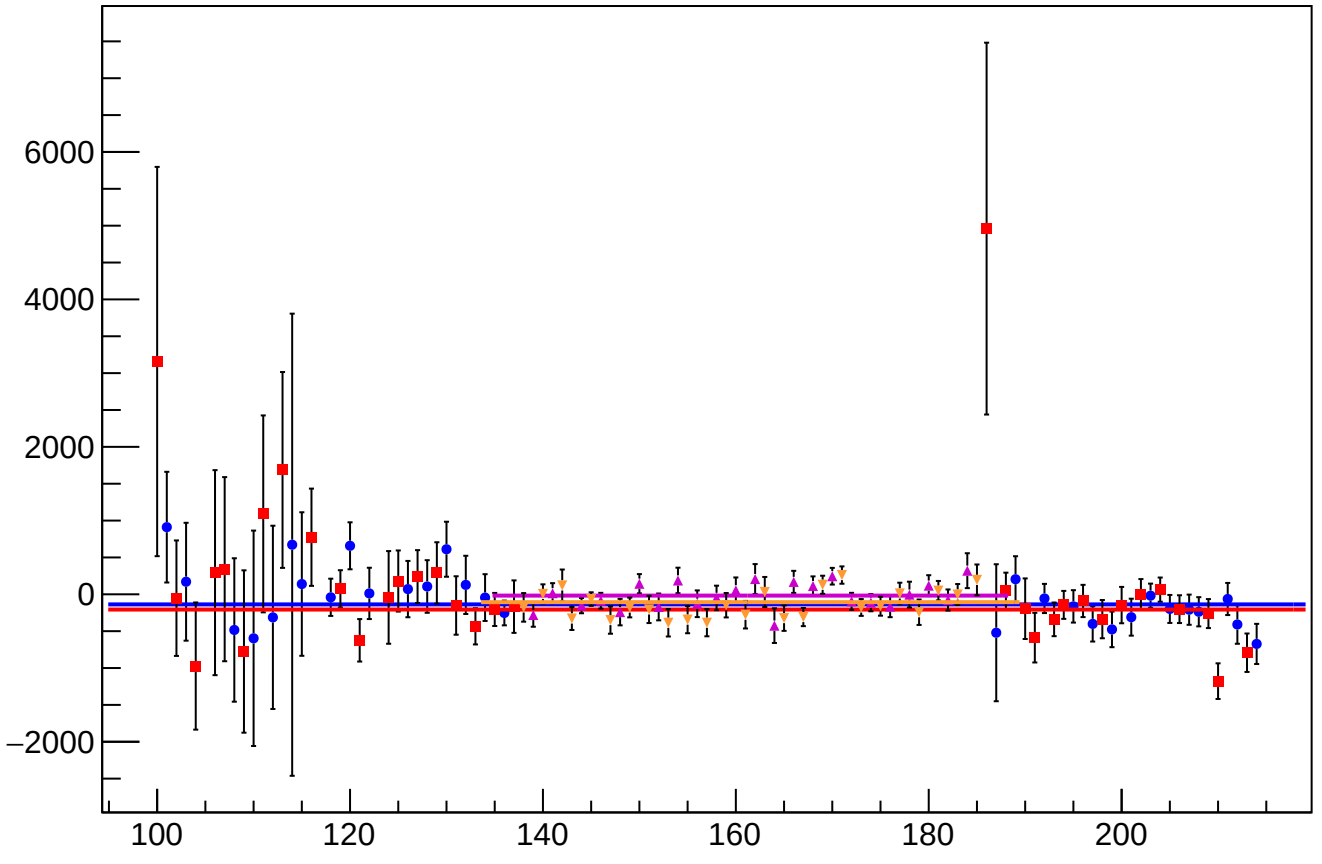
Right Out: 52.837+/-0.009 χ^2/NDF: 2229890.7/33

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.387+/-0.005 χ^2/NDF: 3513968.0/54

All: 42.743+/-0.004 χ^2/NDF: 8004044.2/111

- sign 43.121+/-0.005 χ^2/NDF: 4479654.5/56



Right In: -136.995+/-50.896 χ^2/NDF: 26.1/29

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

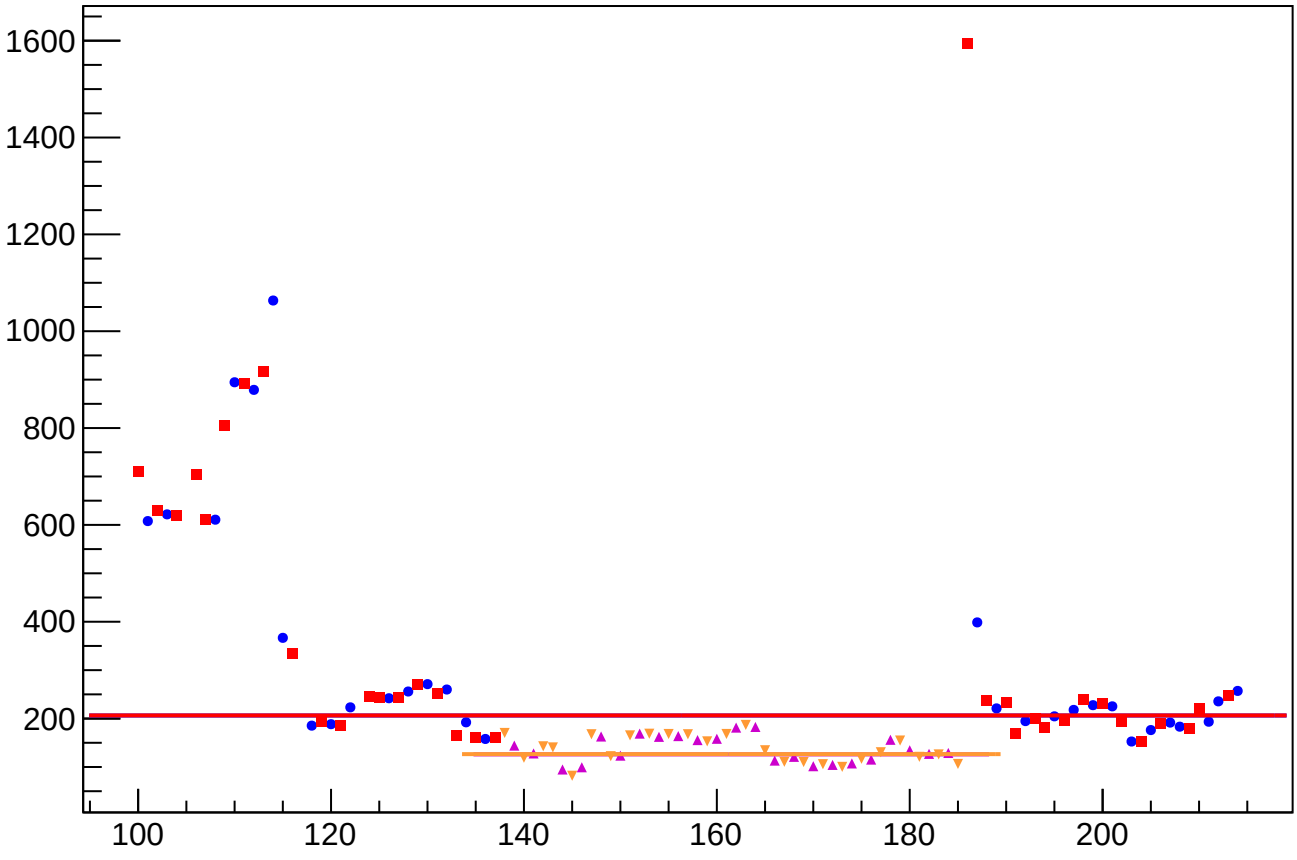
Right Out: -206.729+/-50.901 χ^2/NDF: 48.9/33

Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -114.197+/-25.564 χ^2/NDF: 64.0/54

All: -90.840+/-18.216 χ^2/NDF: 153.1/111

- sign -66.746+/-25.963 χ^2/NDF: 87.4/56



Right In: 206.322+/-0.036 χ^2/NDF: 3573236.4/29

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.498+/-0.036 χ^2/NDF: 4754358.4/33

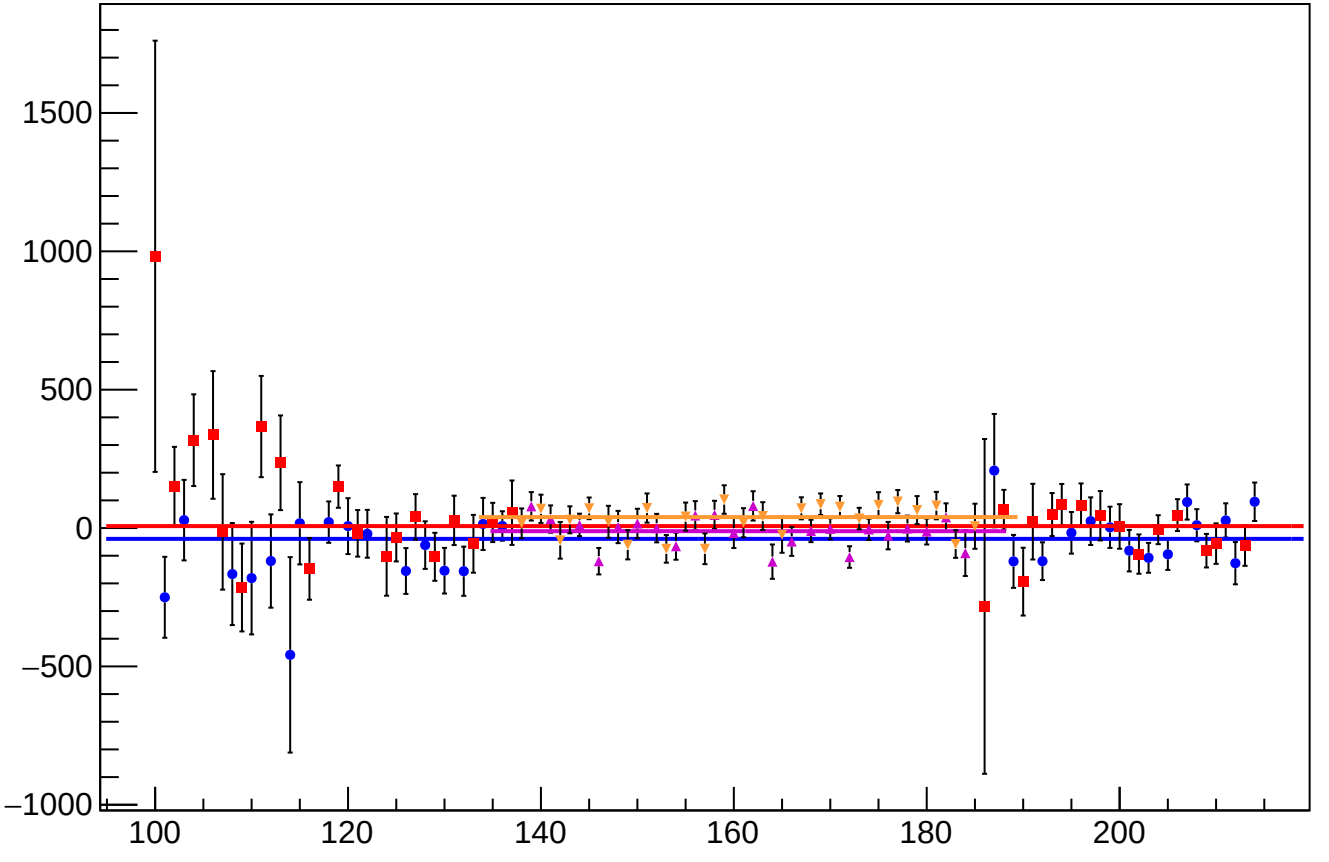
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 146.683+/-0.018 χ^2/NDF: 9004171.3/54

All: 146.816+/-0.013 χ^2/NDF: 18868745.6/1

- sign 146.954+/-0.018 χ^2/NDF: 9864464.0/56

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -39.094+/-14.865 χ^2/NDF: 31.5/29

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 7.044+/-15.444 χ^2/NDF: 37.0/33

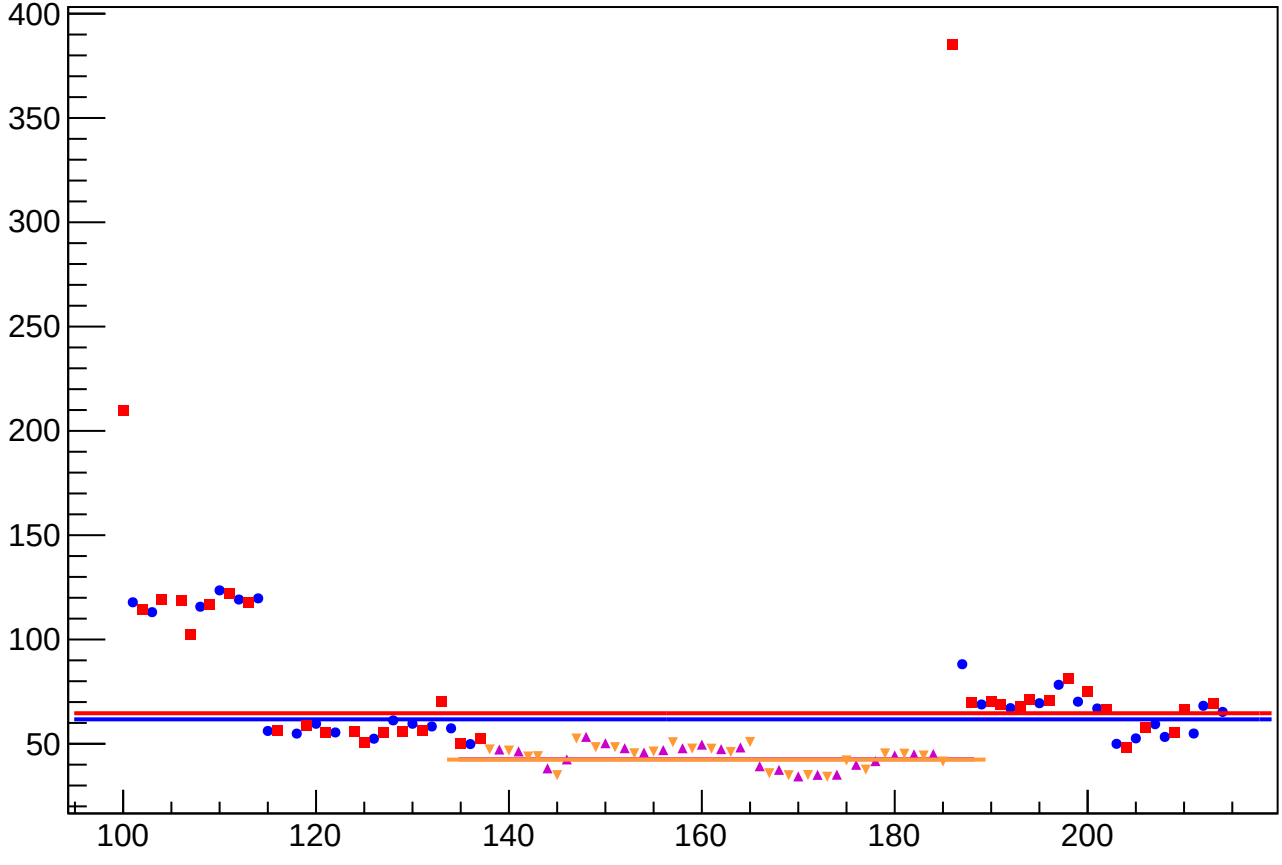
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.920+/-8.150 χ^2/NDF: 80.7/54

All: 5.426+/-5.863 χ^2/NDF: 150.0/111

- sign -5.826+/-8.439 χ^2/NDF: 65.9/56

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.718+/-0.011 χ^2/NDF: 1772950.3/29

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.648+/-0.011 χ^2/NDF: 2584131.2/33

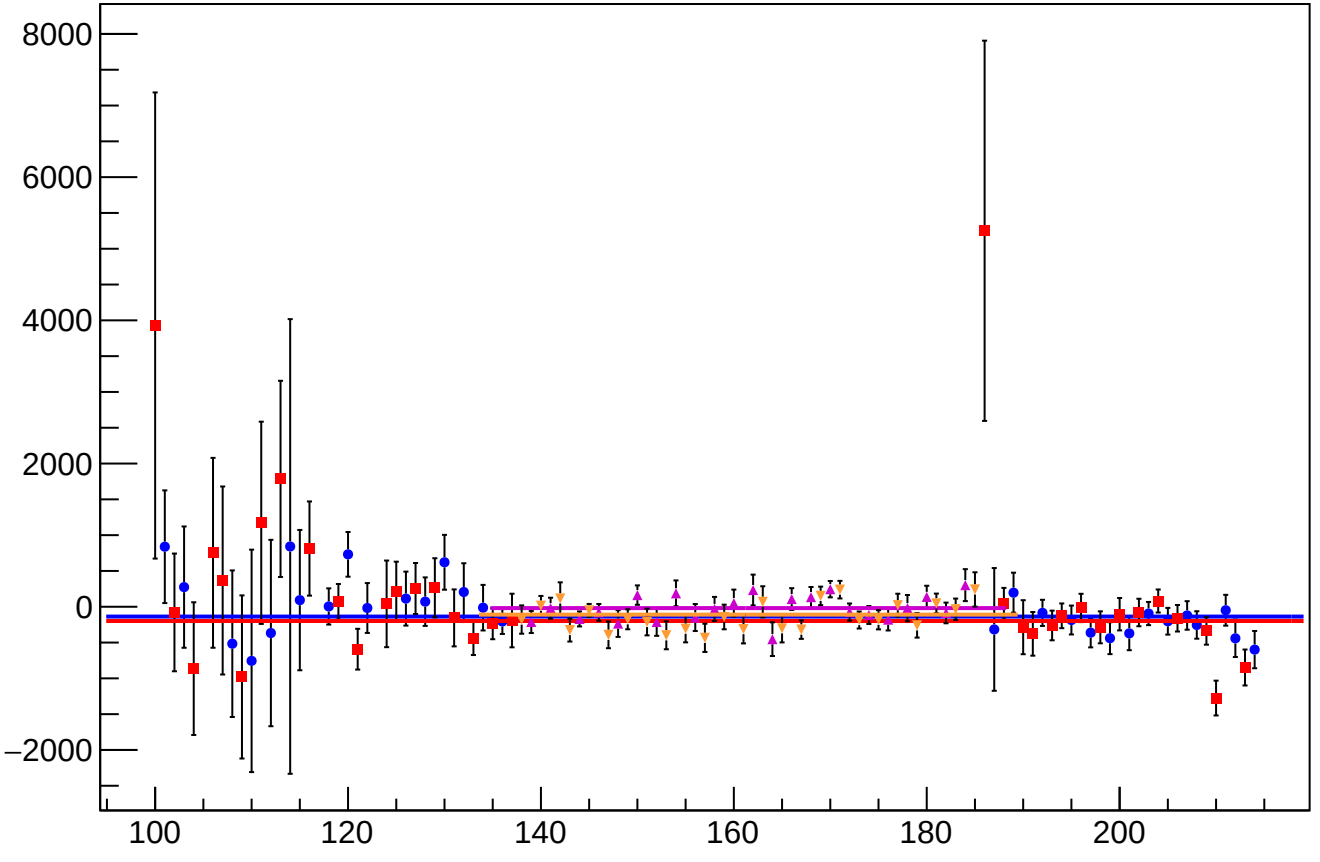
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.225+/-0.006 χ^2/NDF: 4827636.9/54

All: 48.681+/-0.004 χ^2/NDF: 10879034.3/11

- sign 49.169+/-0.006 χ^2/NDF: 6038446.2/56

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -137.069+/-49.212 χ^2/NDF: 27.1/29

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -198.869+/-48.399 χ^2/NDF: 54.5/33

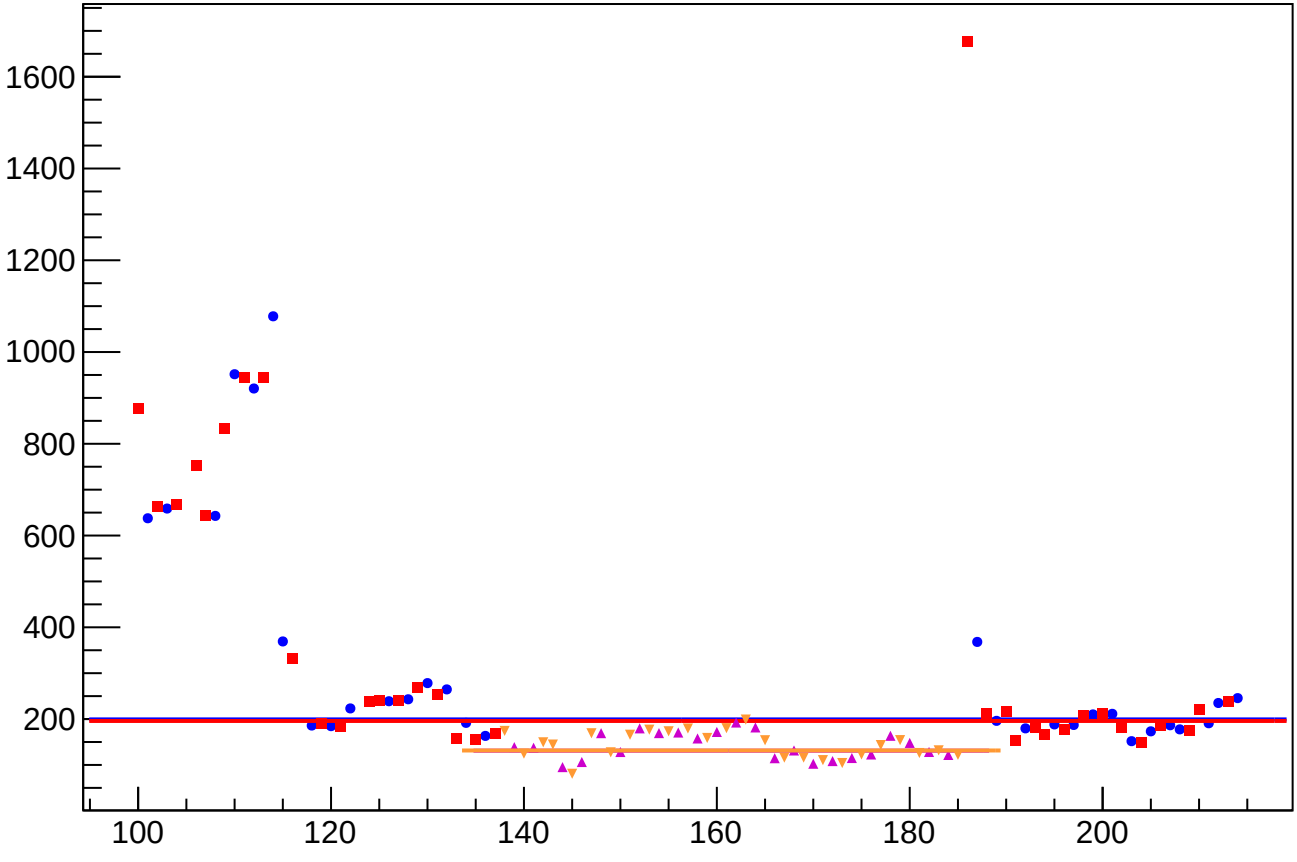
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -117.510+/-26.083 χ^2/NDF: 63.6/54

All: -95.192+/-18.550 χ^2/NDF: 156.5/111

- sign -72.350+/-26.387 χ^2/NDF: 91.4/56

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 199.261+/-0.035 χ^2/NDF: 3653580.6/29

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.880+/-0.034 χ^2/NDF: 5069342.6/33

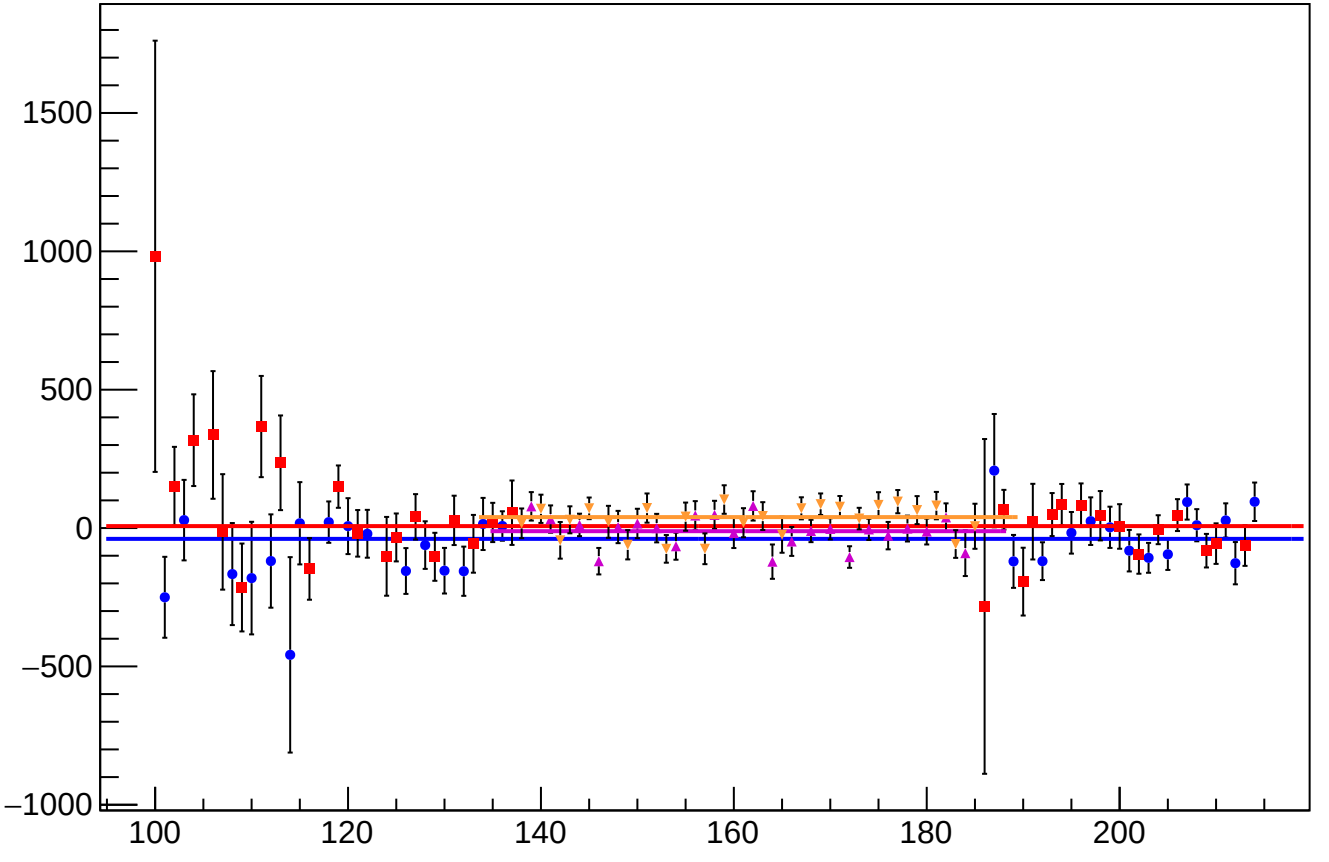
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 150.546+/-0.018 χ^2/NDF: 8281973.5/54

All: 150.443+/-0.013 χ^2/NDF: 17339143.9/11

- sign 150.337+/-0.019 χ^2/NDF: 9057106.8/56

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -39.093+/-14.865 χ^2/NDF: 31.5/29

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 7.045+/-15.444 χ^2/NDF: 37.0/33

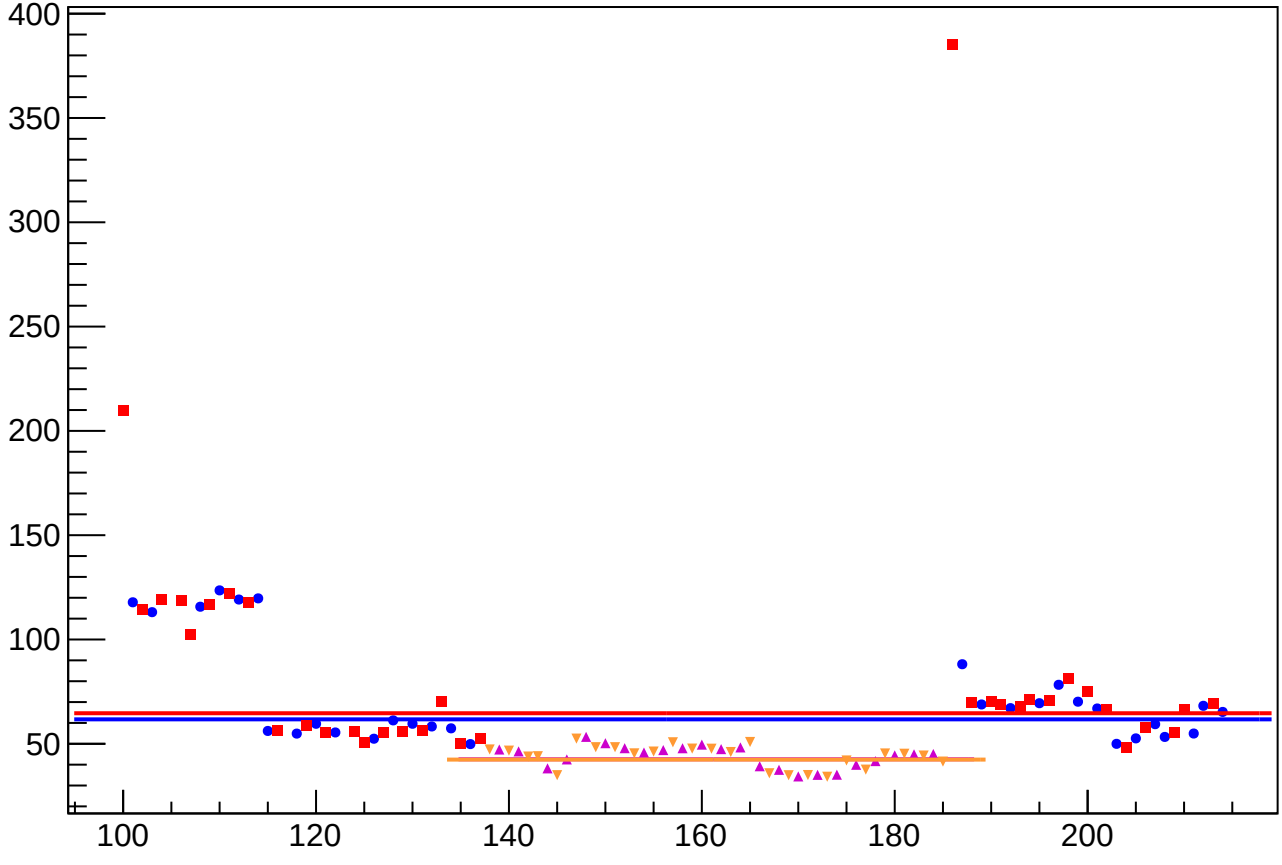
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.921+/-8.150 χ^2/NDF: 80.7/54

All: 5.427+/-5.863 χ^2/NDF: 150.0/111

- sign -5.826+/-8.439 χ^2/NDF: 65.9/56

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 61.718+/-0.011 χ^2/NDF: 1772942.3/29

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

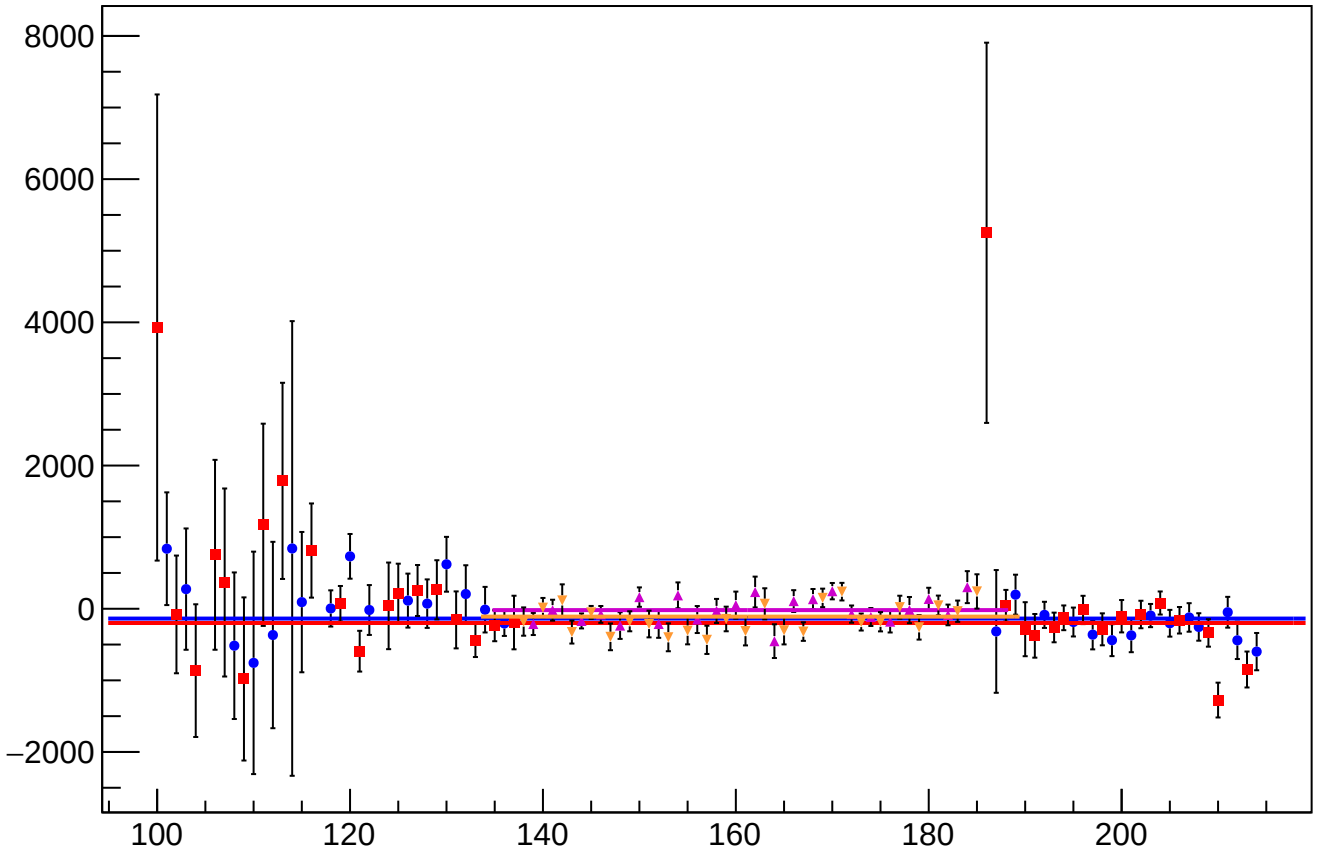
Right Out: 64.648+/-0.011 χ^2/NDF: 2584104.7/33

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.225+/-0.006 χ^2/NDF: 4827644.8/54

All: 48.681+/-0.004 χ^2/NDF: 10879055.6/11

- sign 49.169+/-0.006 χ^2/NDF: 6038456.4/56



Right In: -137.069+/-49.212 χ^2/NDF: 27.1/29

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

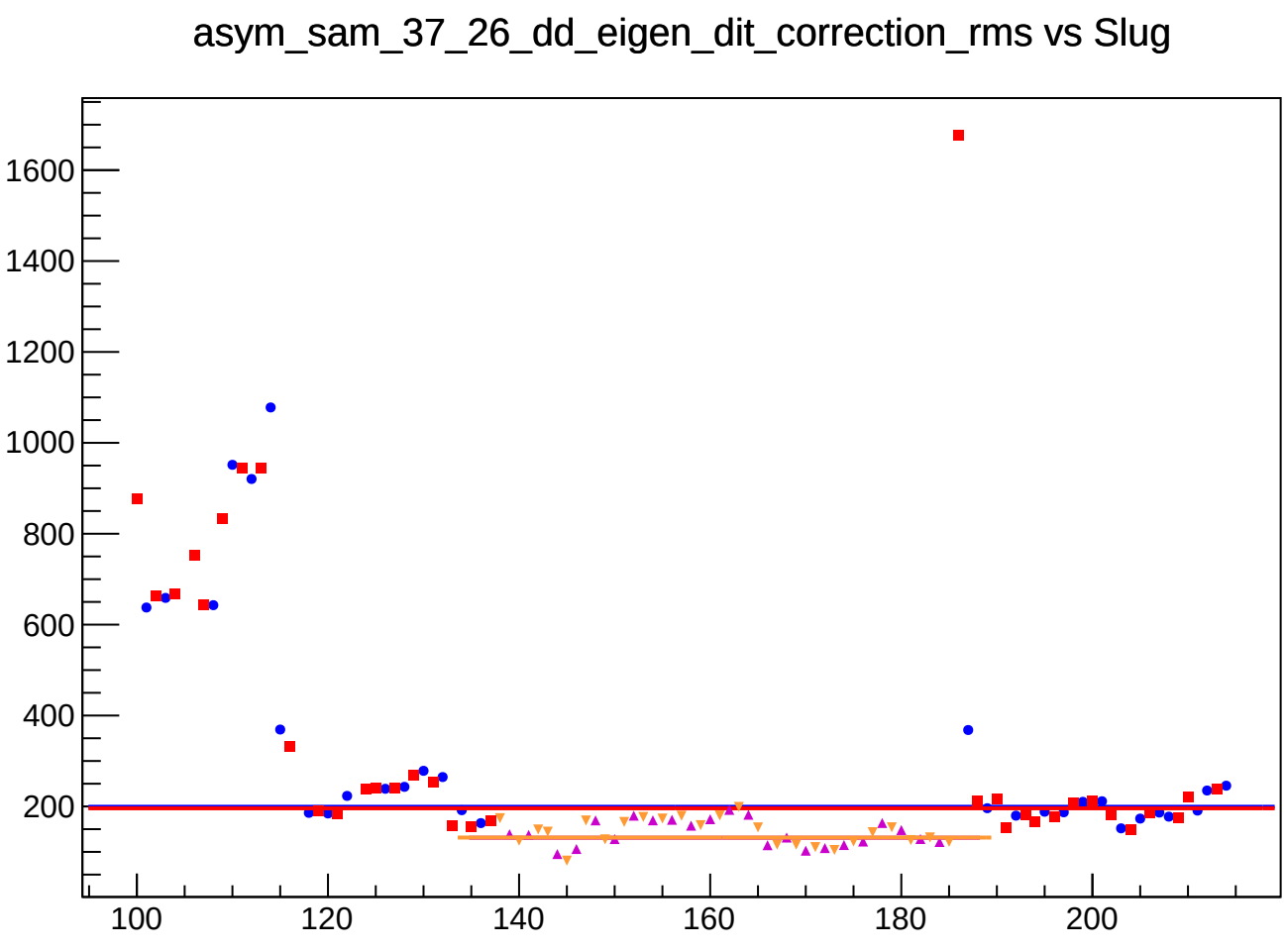
Right Out: -198.867+/-48.399 χ^2/NDF: 54.5/33

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -117.510+/-26.083 χ^2/NDF: 63.6/54

All: -95.192+/-18.550 χ^2/NDF: 156.5/111

- sign -72.350+/-26.387 χ^2/NDF: 91.4/56



Right In: 199.261+/-0.035 χ^2/NDF: 3653583.1/29

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.879+/-0.034 χ^2/NDF: 5069350.7/33

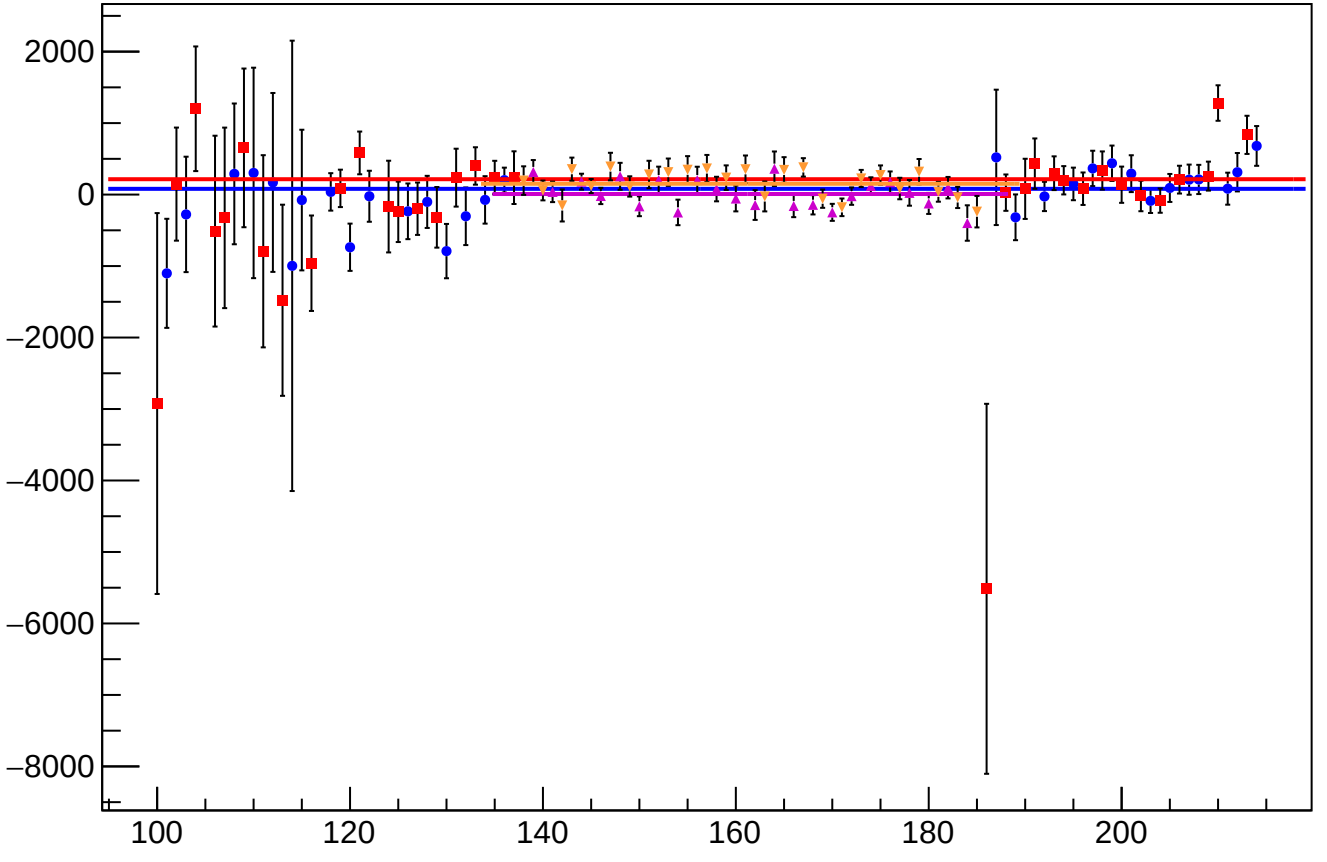
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 150.546+/-0.018 χ^2/NDF: 8281917.0/54

All: 150.443+/-0.013 χ^2/NDF: 17339044.1/11

- sign 150.337+/-0.019 χ^2/NDF: 9057063.6/56

asym_sam_37_26_dd_mean vs Slug



Right In: 80.353+/-52.498 χ^2/NDF: 30.2/29

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 215.041+/-52.622 χ^2/NDF: 50.1/33

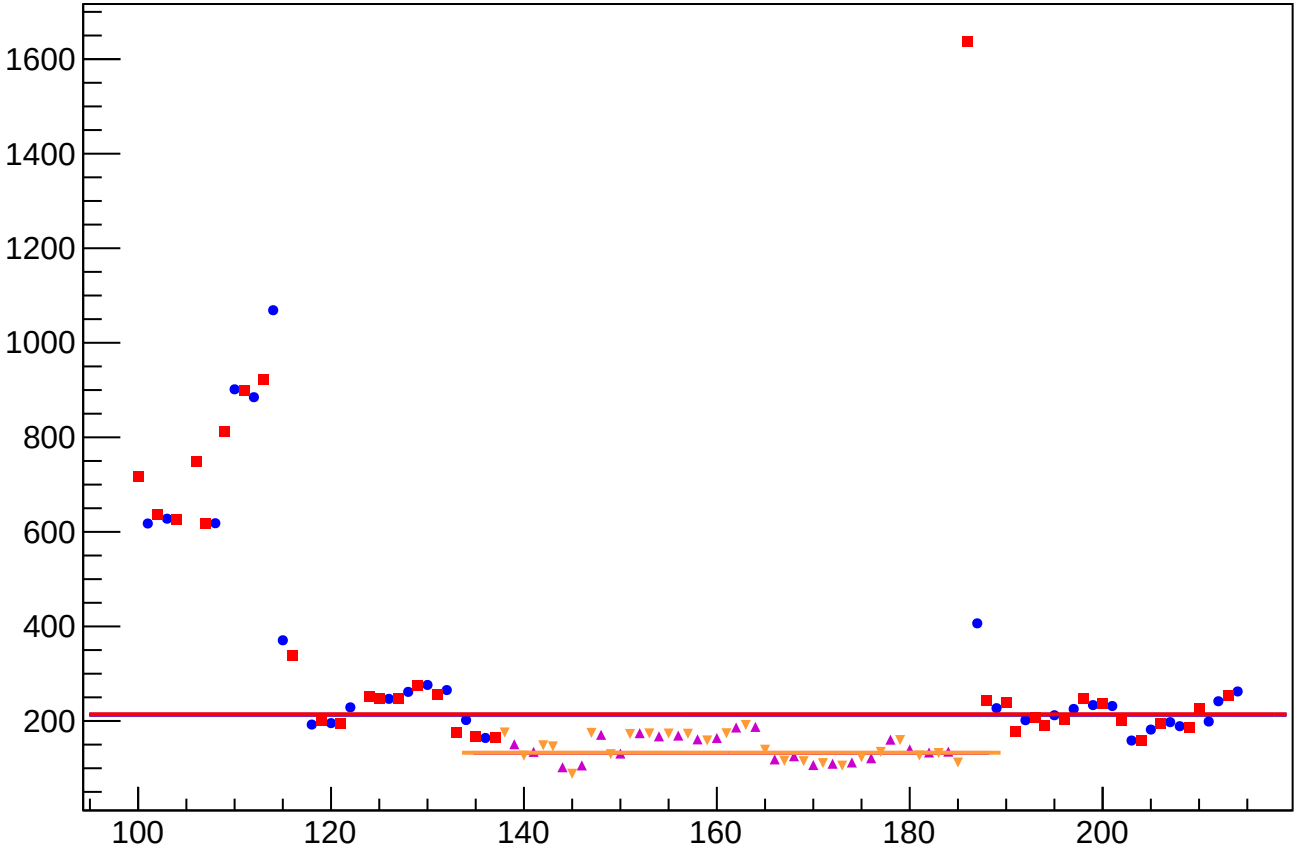
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 132.858+/-26.663 χ^2/NDF: 64.6/54

All: 98.445+/-19.008 χ^2/NDF: 159.0/111

- sign 62.883+/-27.104 χ^2/NDF: 91.0/56

asym_sam_37_26_dd_rms vs Slug



Right In: 213.190+/-0.037 χ^2/NDF: 3475094.3/29

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

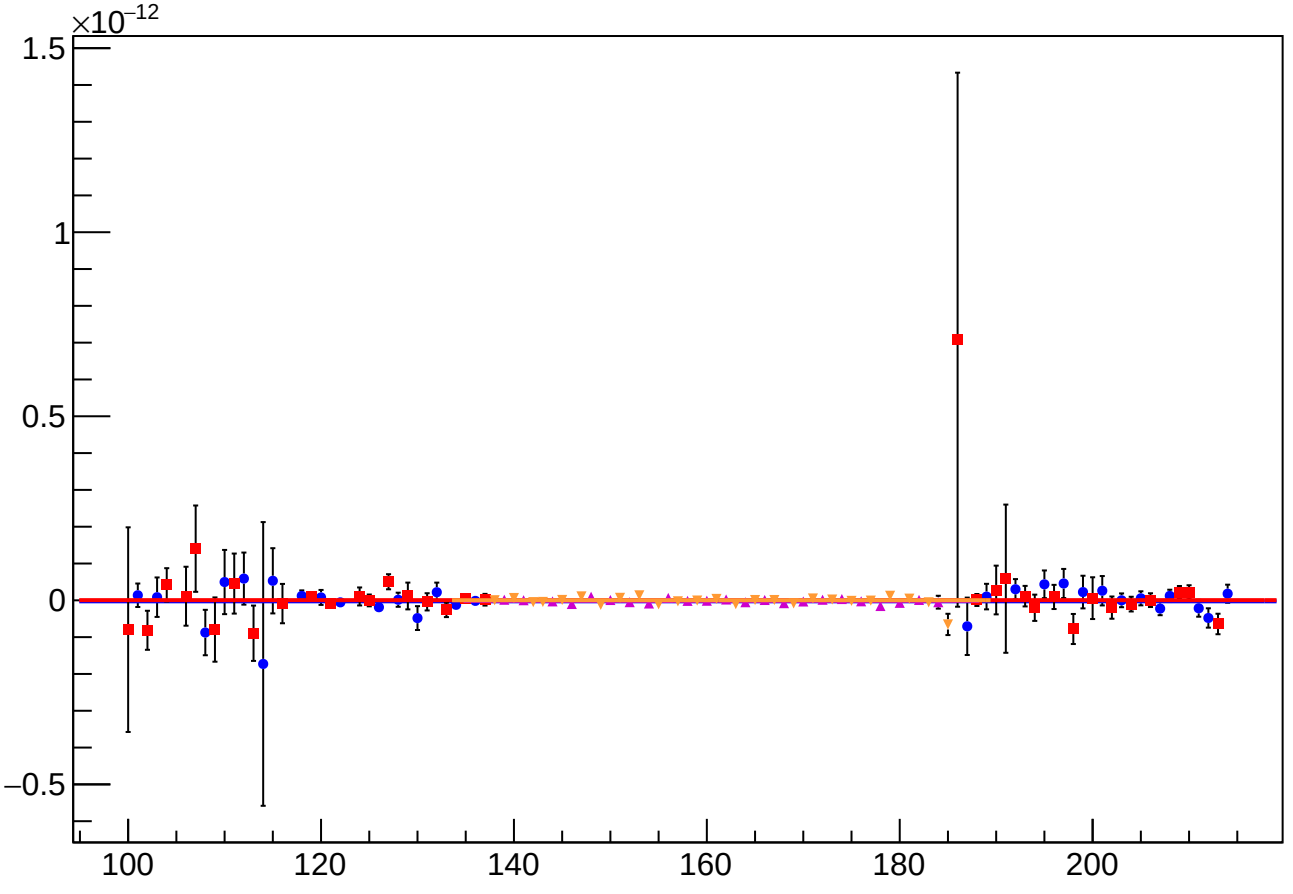
Right Out: 214.118+/-0.037 χ^2/NDF: 4698698.1/33

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 153.592+/-0.019 χ^2/NDF: 8540836.3/54

All: 153.810+/-0.013 χ^2/NDF: 18066138.6/11

- sign 154.036+/-0.019 χ^2/NDF: 9525028.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

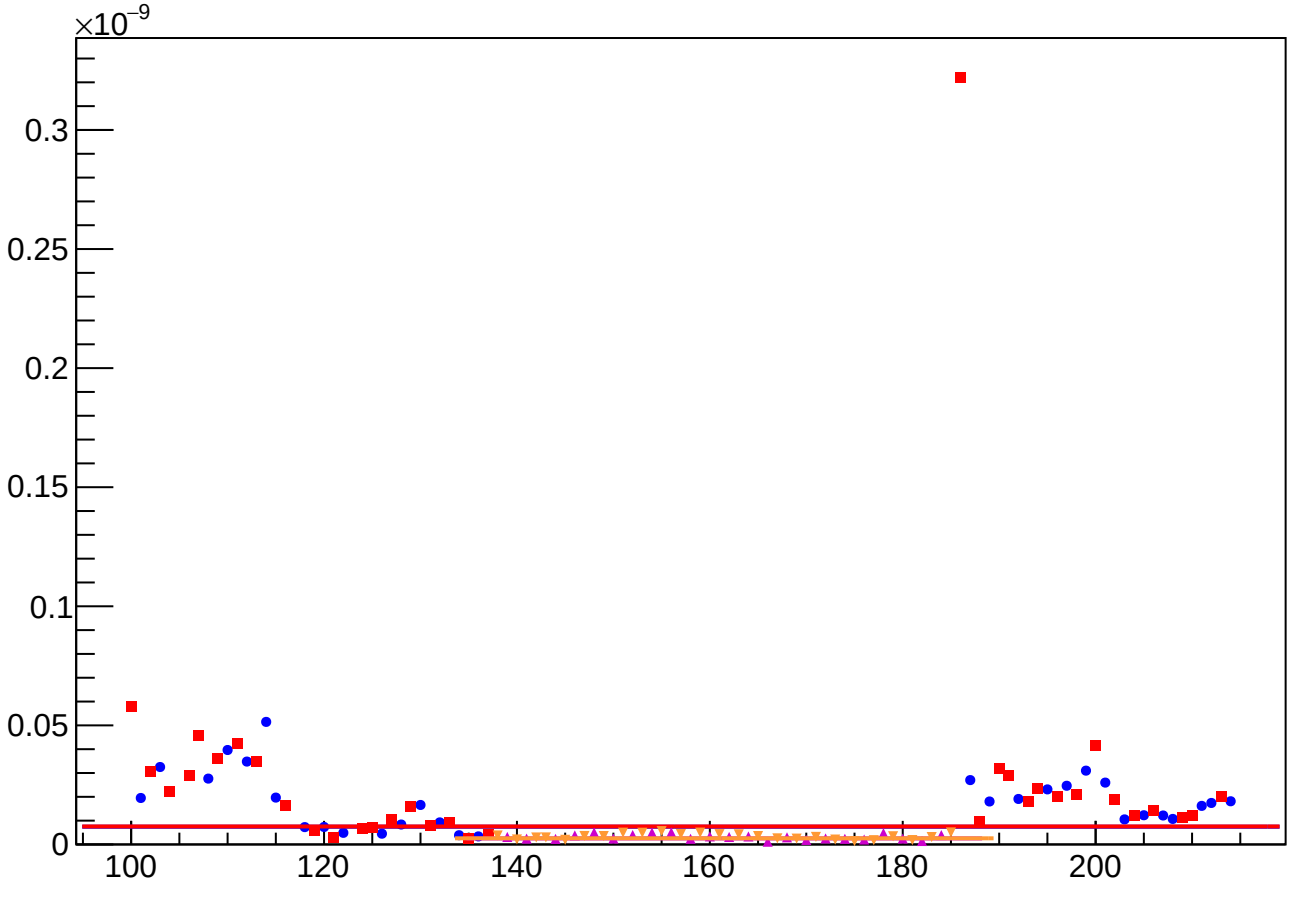
Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/33

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.2/54

All: -0.000+/-0.000 χ^2/NDF: 105.8/111

- sign -0.000+/-0.000 χ^2/NDF: 47.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 7140845.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7928684.8/33

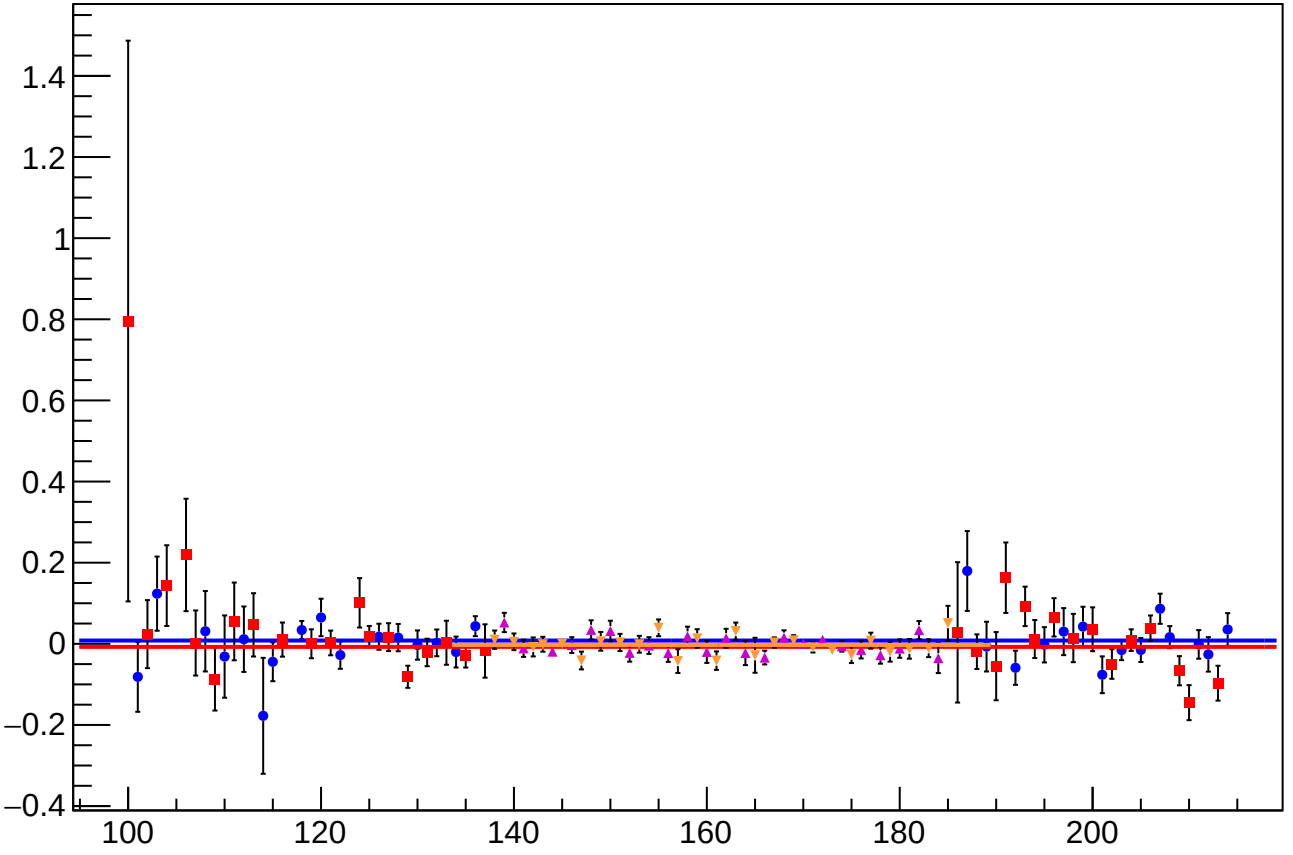
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13461148.4/54

All: 0.000+/-0.000 χ^2/NDF: 26890561.6/111

- sign 0.000+/-0.000 χ^2/NDF: 13426052.6/56

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/29

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.008+/-0.008 χ^2/NDF: 54.4/33

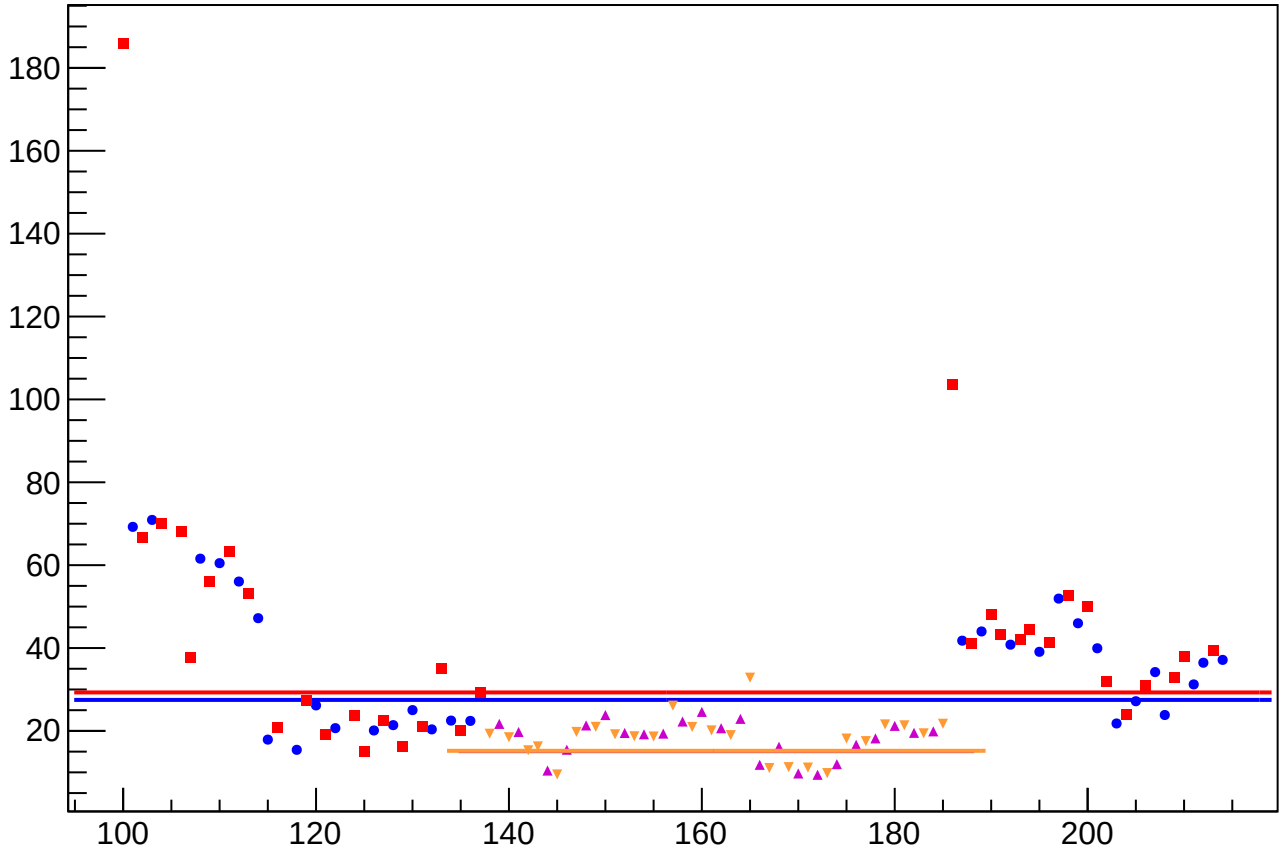
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.1/54

All: -0.002+/-0.002 χ^2/NDF: 136.2/111

- sign -0.003+/-0.003 χ^2/NDF: 81.7/56

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.485+/-0.005 χ^2/NDF: 4548451.4/29

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

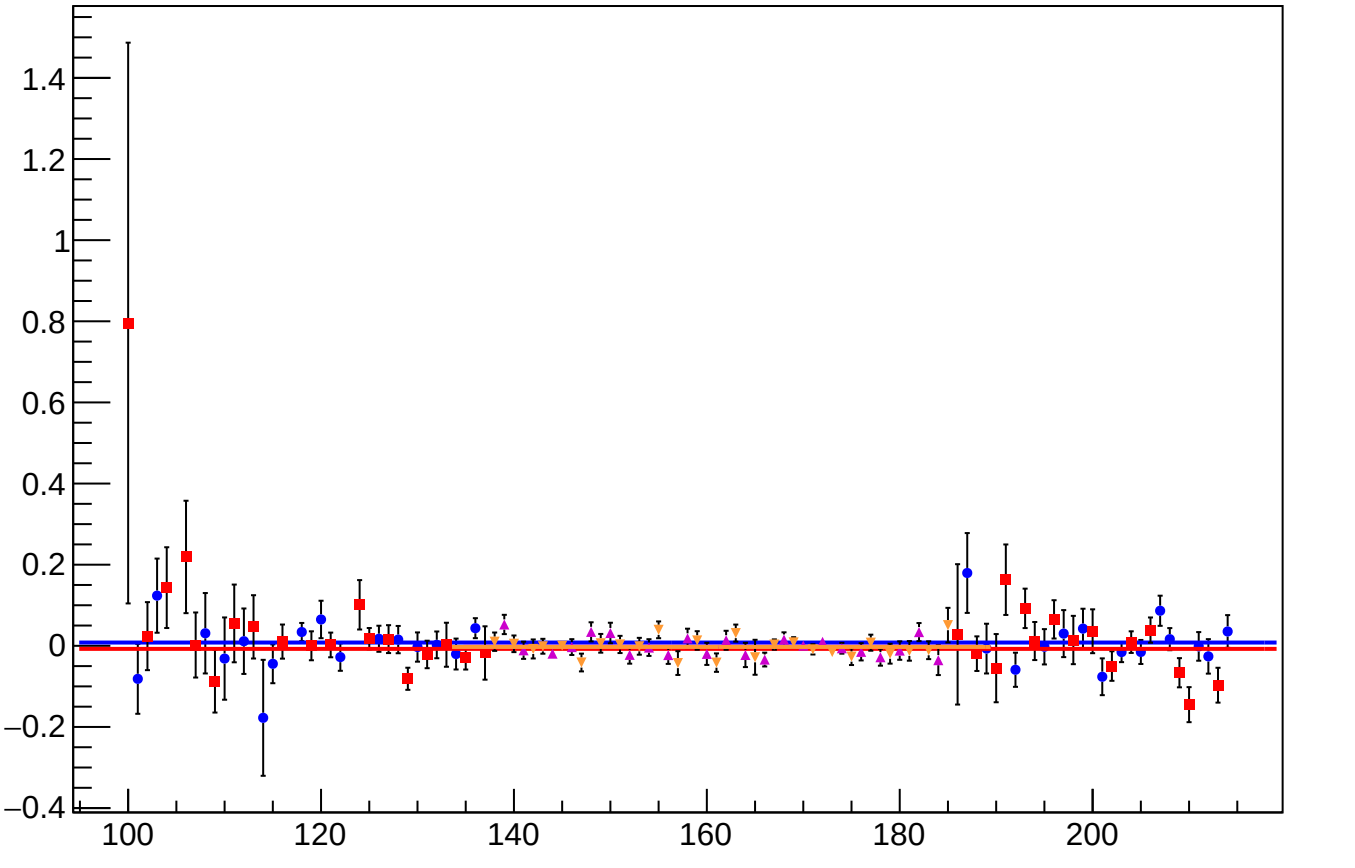
Right Out: 29.285+/-0.005 χ^2/NDF: 5547031.7/33

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.825+/-0.002 χ^2/NDF: 12685273.5/54

All: 17.926+/-0.002 χ^2/NDF: 27288467.2/111

- sign 18.034+/-0.002 χ^2/NDF: 14599296.2/56



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/29

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

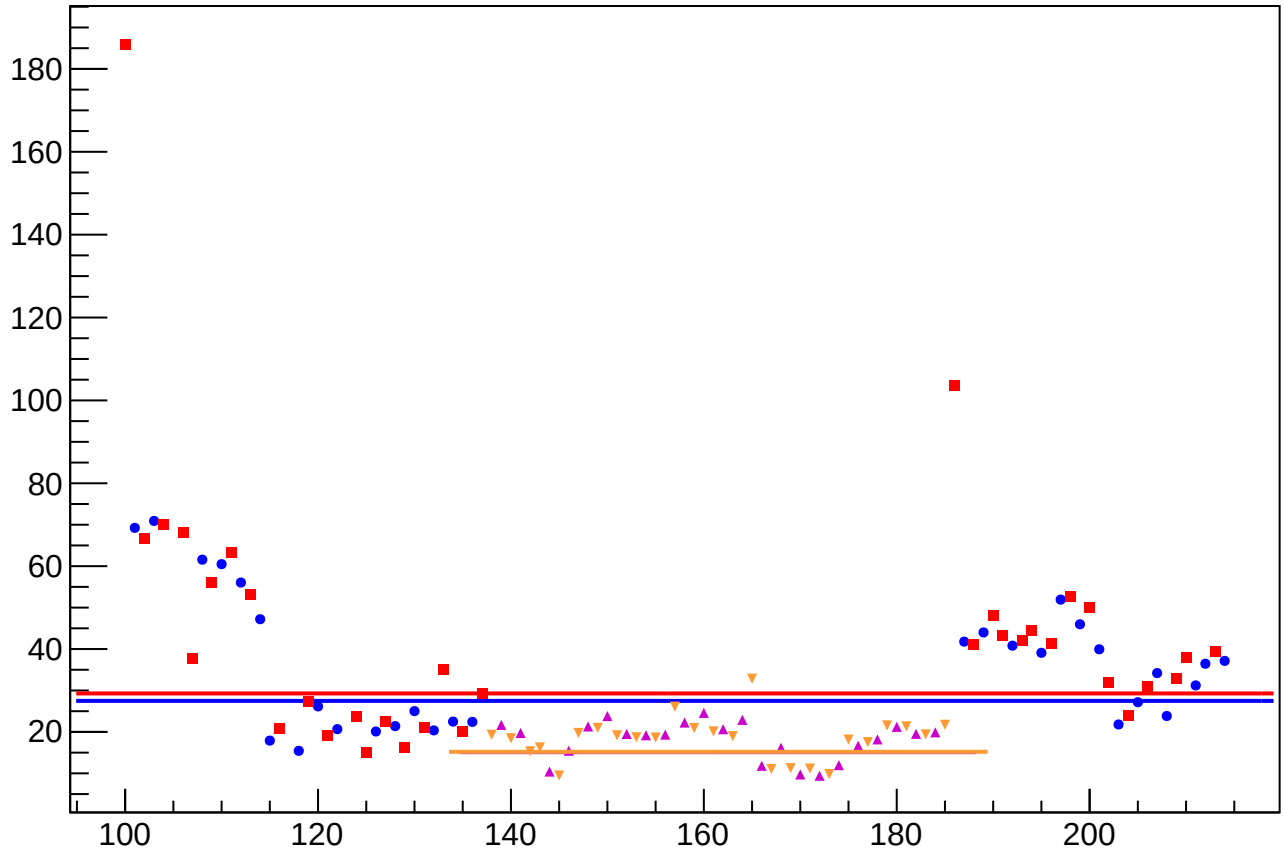
Right Out: -0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.1/54

All: -0.002+/-0.002 χ^2/NDF: 136.2/111

- sign -0.003+/-0.003 χ^2/NDF: 81.7/56



Right In: 27.485+/-0.005 χ^2/NDF: 4548451.4/29

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

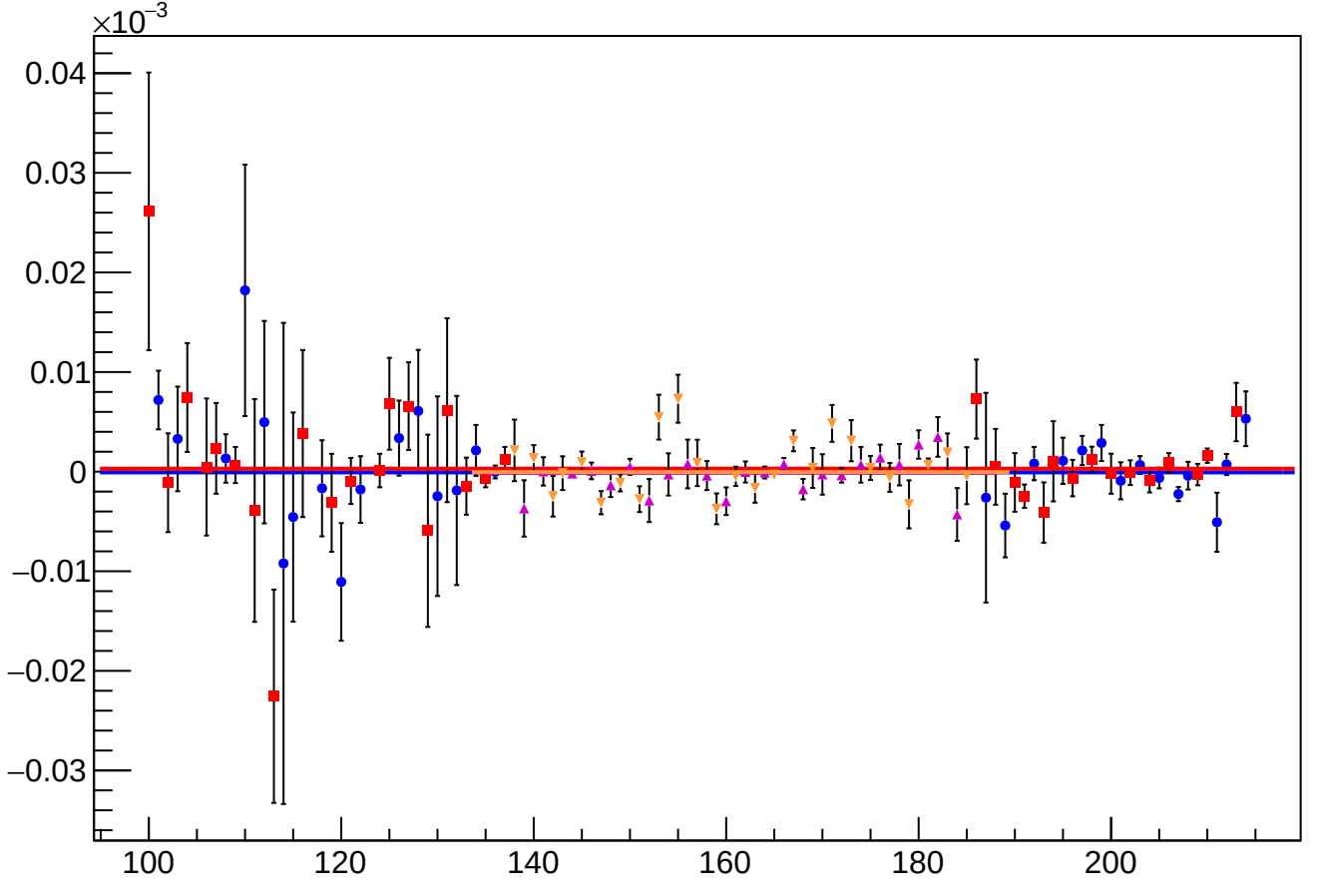
Right Out: 29.285+/-0.005 χ^2/NDF: 5547031.7/33

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.825+/-0.002 χ^2/NDF: 12685273.5/54

All: 17.926+/-0.002 χ^2/NDF: 27288467.2/111

- sign 18.034+/-0.002 χ^2/NDF: 14599296.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 42.1/29

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

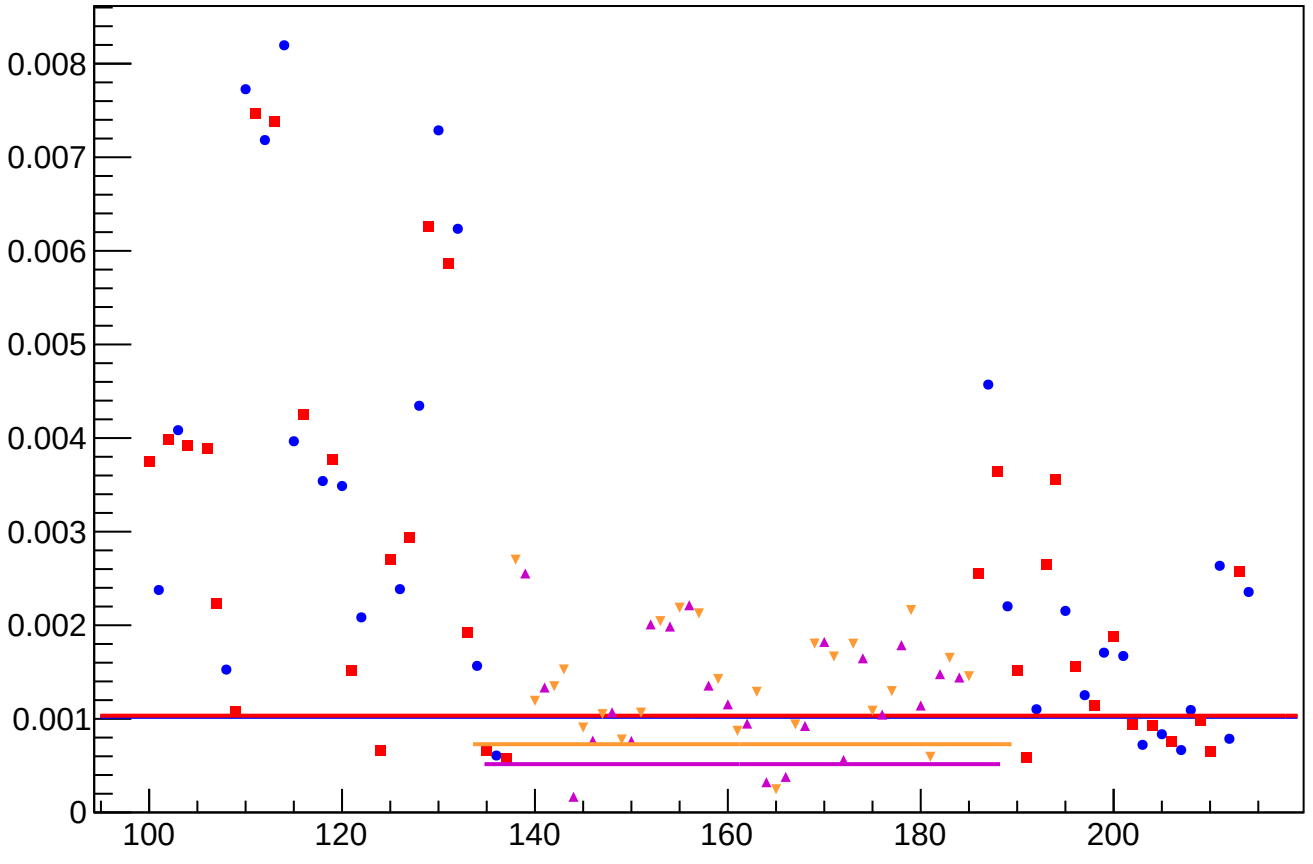
Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/33

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 105.0/54

All: -0.000+/-0.000 χ^2/NDF: 170.6/111

- sign -0.000+/-0.000 χ^2/NDF: 65.6/56



Right In: 0.001+/-0.000 χ^2/NDF: 10573286.2/29

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

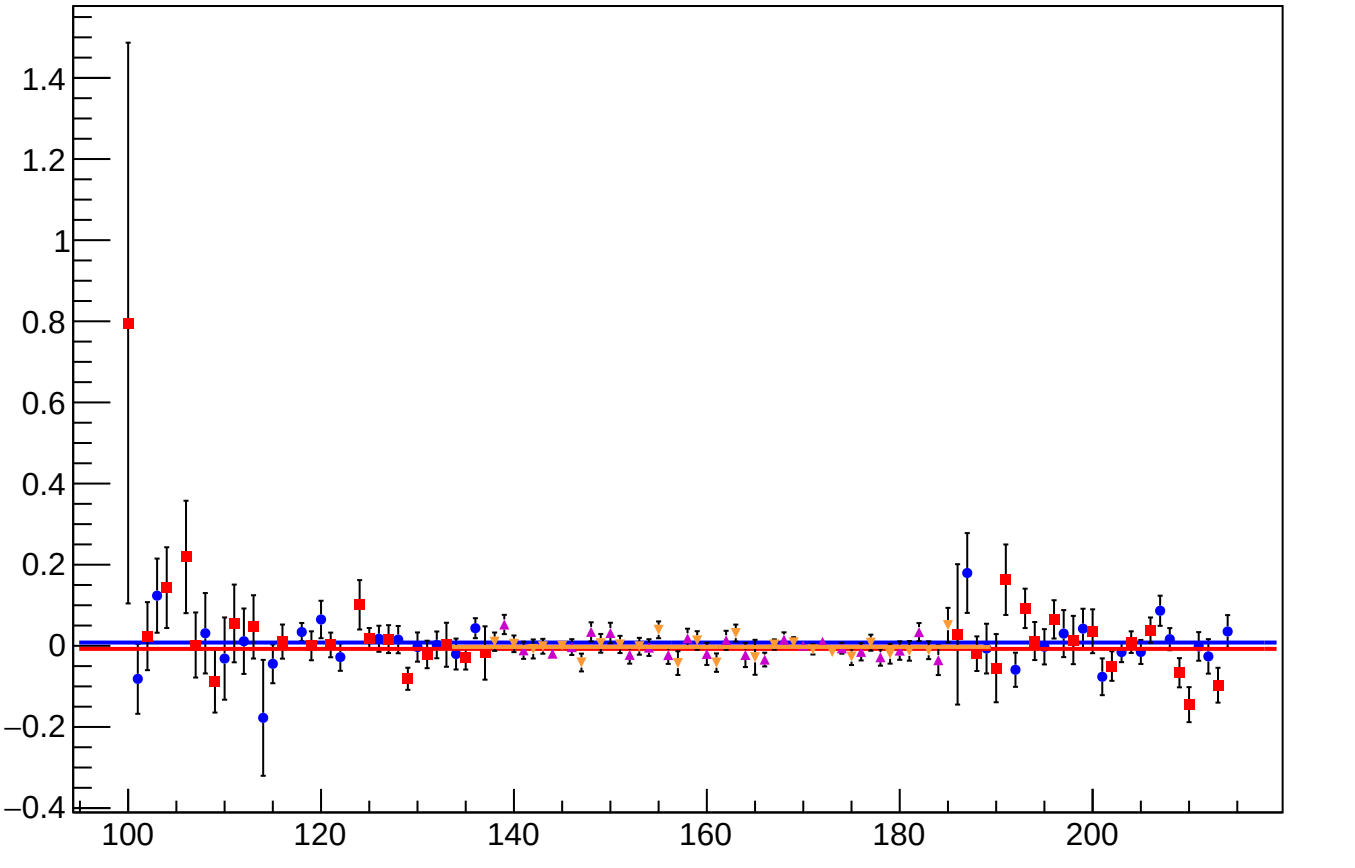
Right Out: 0.001+/-0.000 χ^2/NDF: 11620620.8/33

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 24943329.5/54

All: 0.001+/-0.000 χ^2/NDF: 57120804.3/111

- sign 0.001+/-0.000 χ^2/NDF: 30989868.6/56



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/29

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

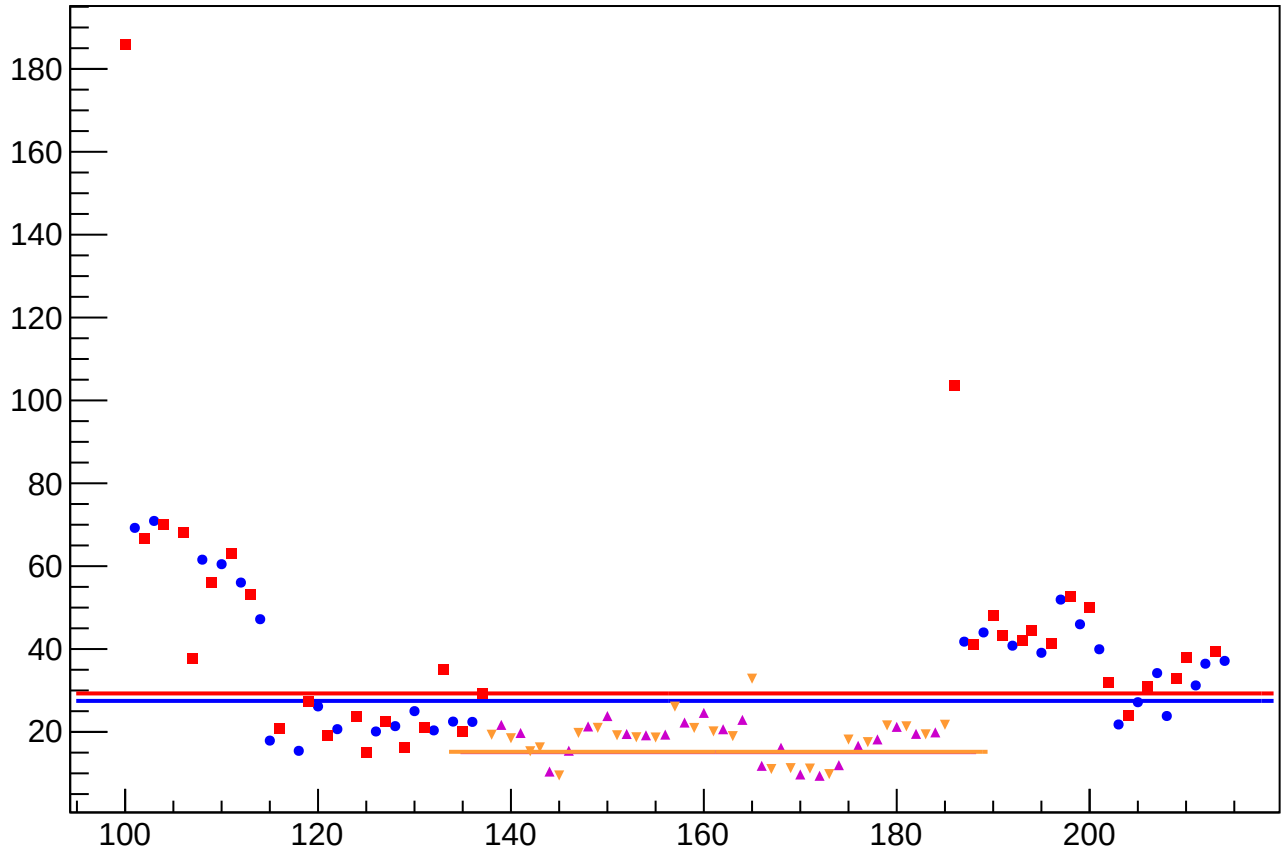
Right Out: -0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.1/54

All: -0.002+/-0.002 χ^2/NDF: 136.3/111

- sign -0.003+/-0.003 χ^2/NDF: 81.7/56



Right In: 27.484+/-0.005 χ^2/NDF: 4548778.5/29

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 29.285+/-0.005 χ^2/NDF: 5547231.9/33

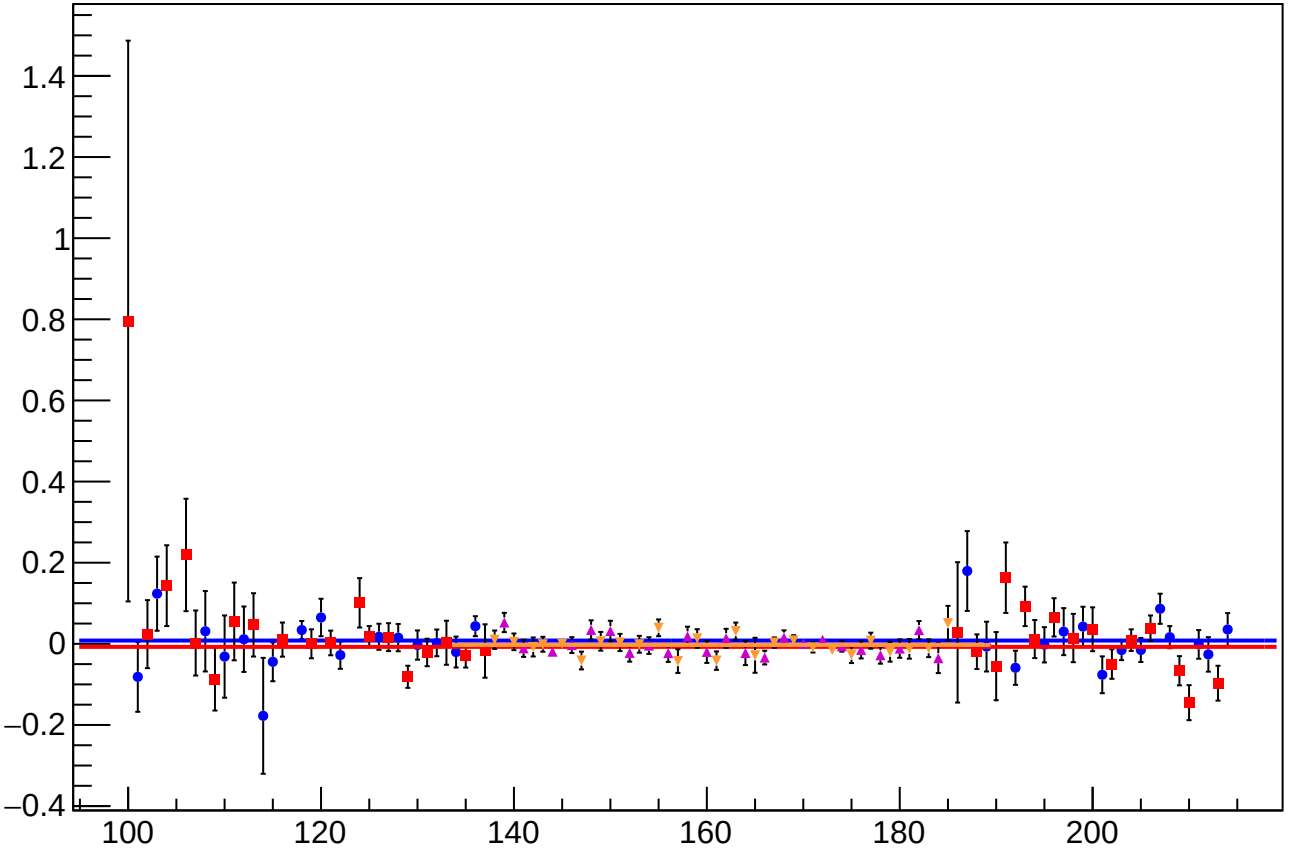
Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.825+/-0.002 χ^2/NDF: 12685218.4/54

All: 17.926+/-0.002 χ^2/NDF: 27288414.6/111

- sign 18.034+/-0.002 χ^2/NDF: 14599294.9/56

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.008+/-0.007 χ^2/NDF: 29.7/29

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

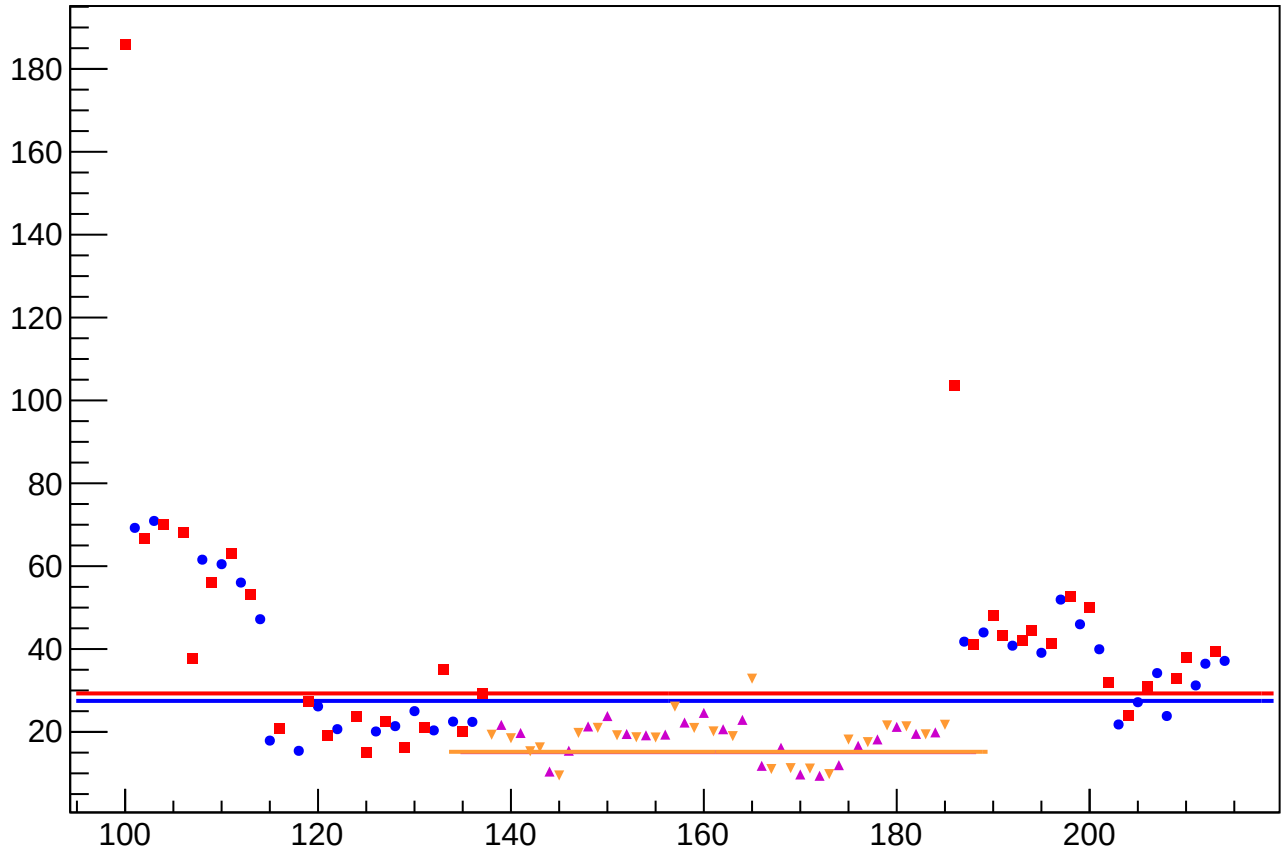
Right Out: -0.008+/-0.008 χ^2/NDF: 54.4/33

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.000+/-0.003 χ^2/NDF: 54.1/54

All: -0.002+/-0.002 χ^2/NDF: 136.3/111

- sign -0.003+/-0.003 χ^2/NDF: 81.7/56



Right In: 27.484+/-0.005 χ^2/NDF: 4548778.5/29

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

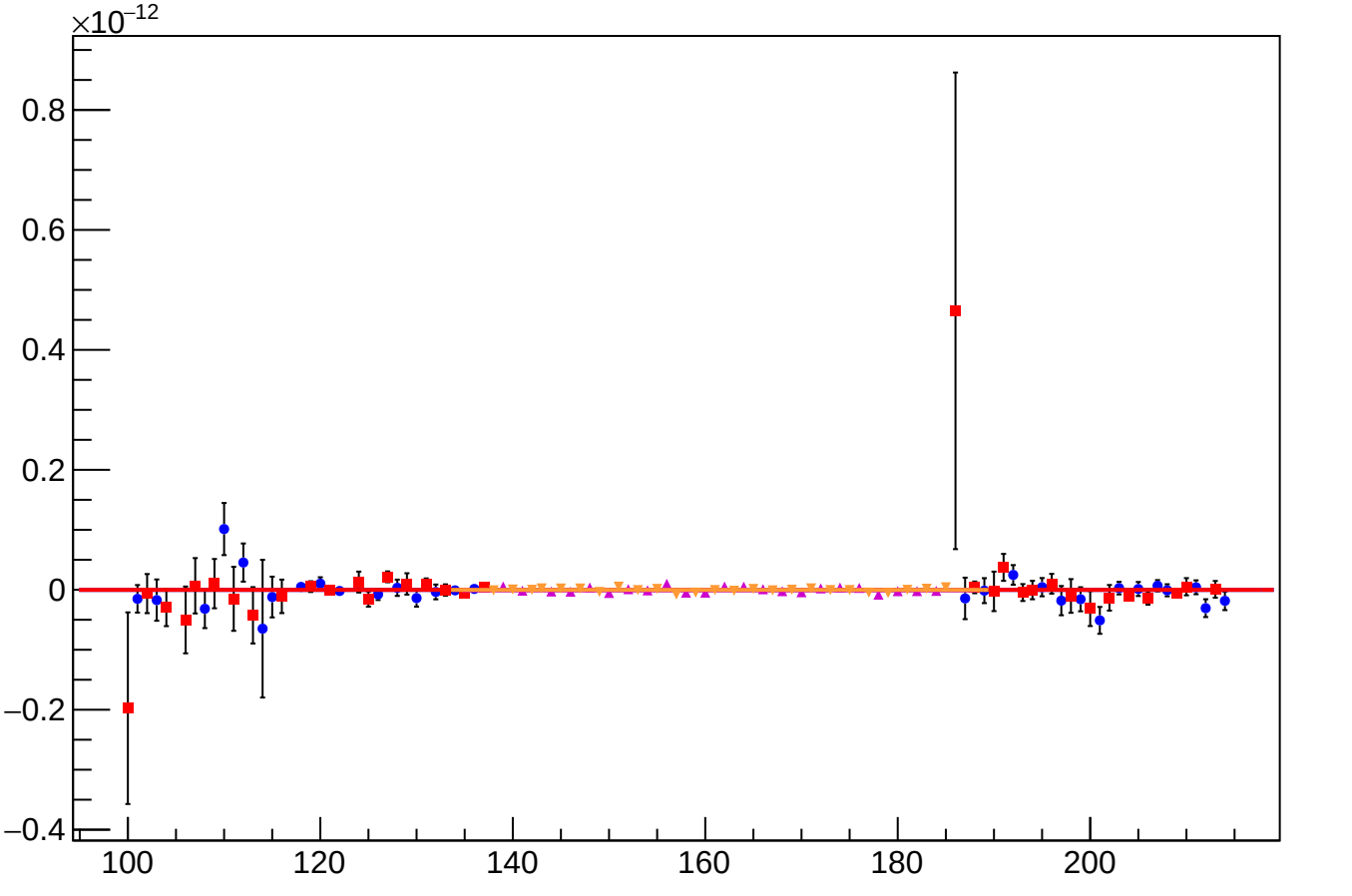
Right Out: 29.285+/-0.005 χ^2/NDF: 5547231.9/33

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.825+/-0.002 χ^2/NDF: 12685218.4/54

All: 17.926+/-0.002 χ^2/NDF: 27288414.6/111

- sign 18.034+/-0.002 χ^2/NDF: 14599294.9/56



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

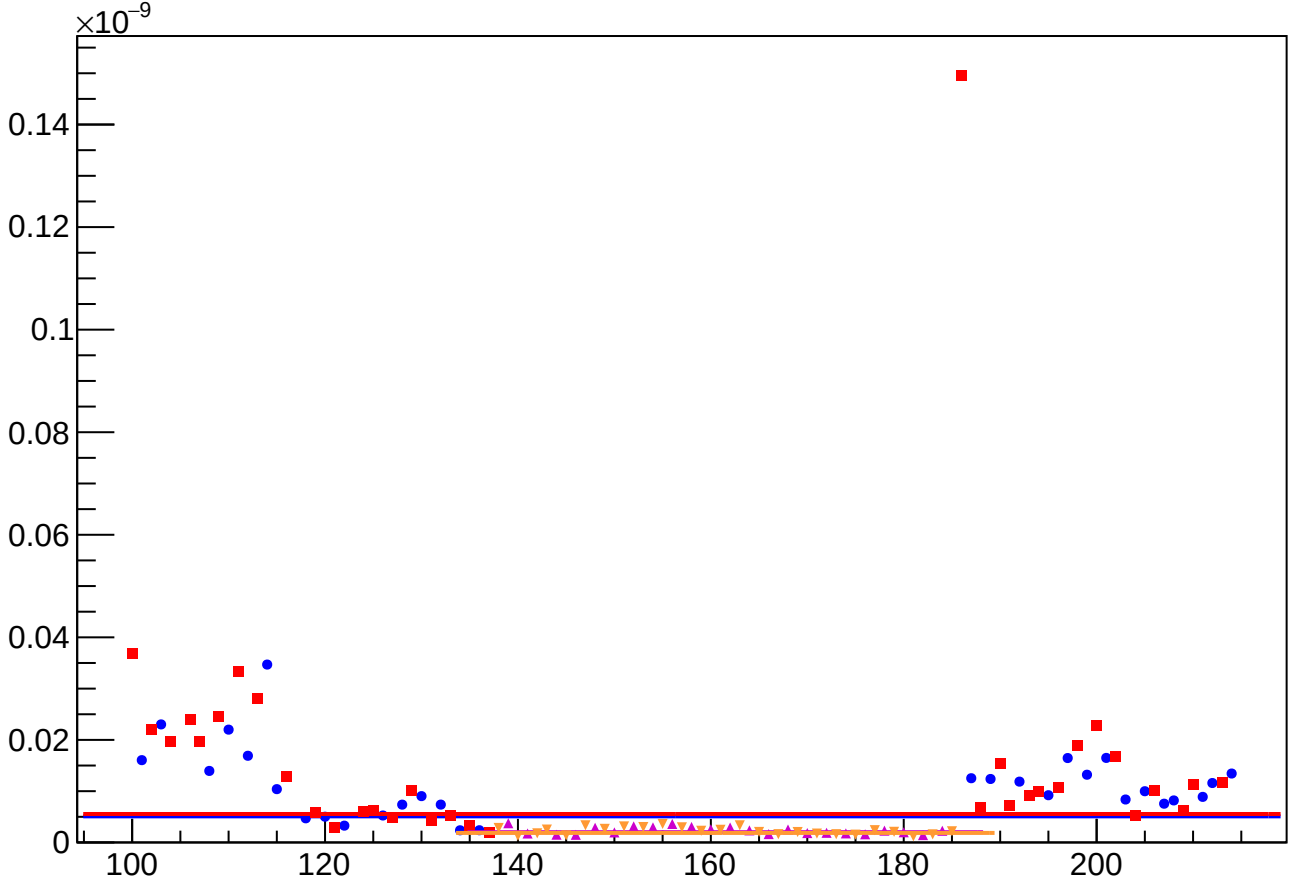
Right Out: -0.000+/-0.000 χ^2/NDF: 26.5/33

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.7/54

All: -0.000+/-0.000 χ^2/NDF: 116.3/111

- sign -0.000+/-0.000 χ^2/NDF: 66.1/56



Right In: 0.000+/-0.000 χ^2/NDF: 8757442.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8889516.3/33

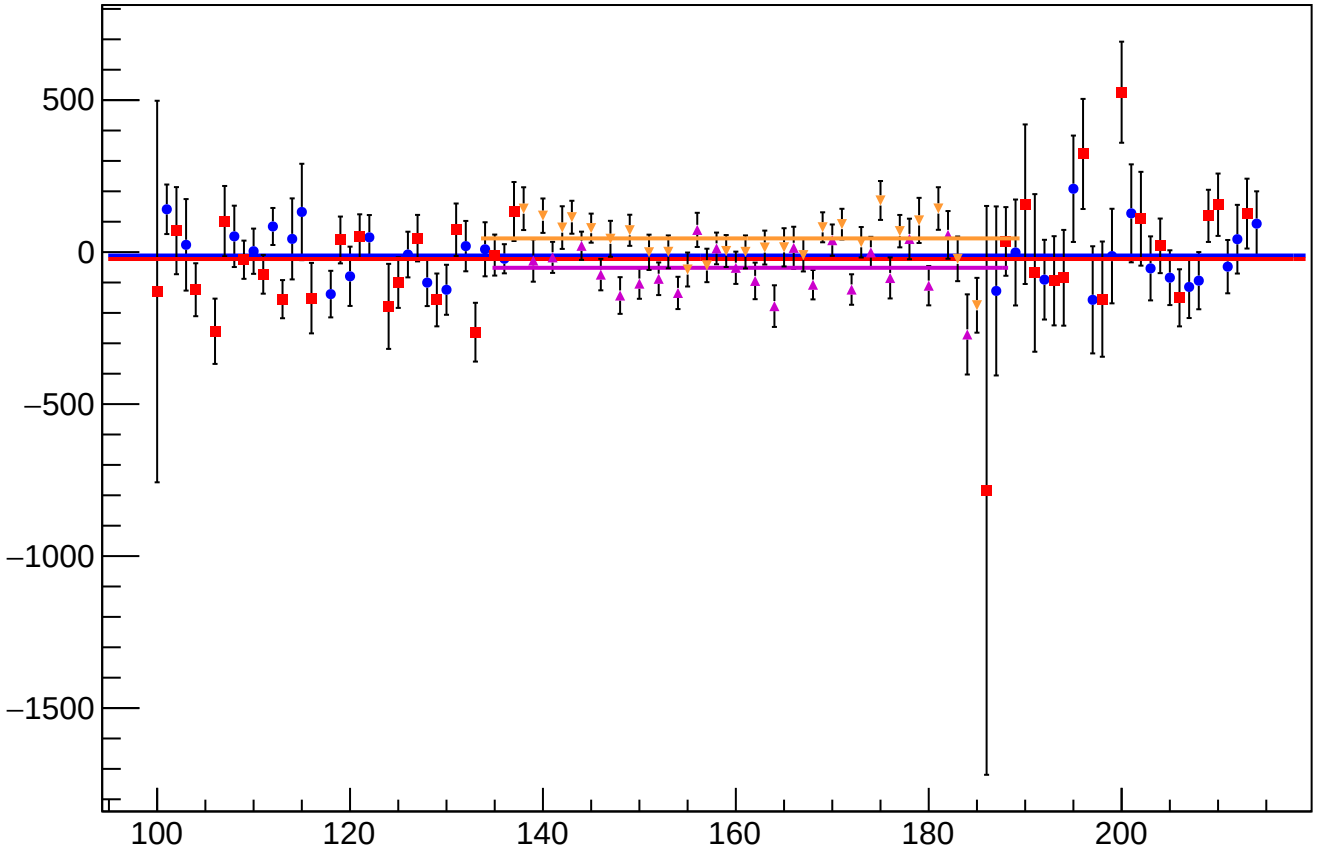
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 17314092.3/54

All: 0.000+/-0.000 χ^2/NDF: 34309474.1/111

- sign 0.000+/-0.000 χ^2/NDF: 16893326.9/56

reg_asym_sam_1357_avg_mean vs Slug



Right In: -11.185+/-16.979 χ^2/NDF: 22.3/29

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -22.670+/-16.967 χ^2/NDF: 58.4/33

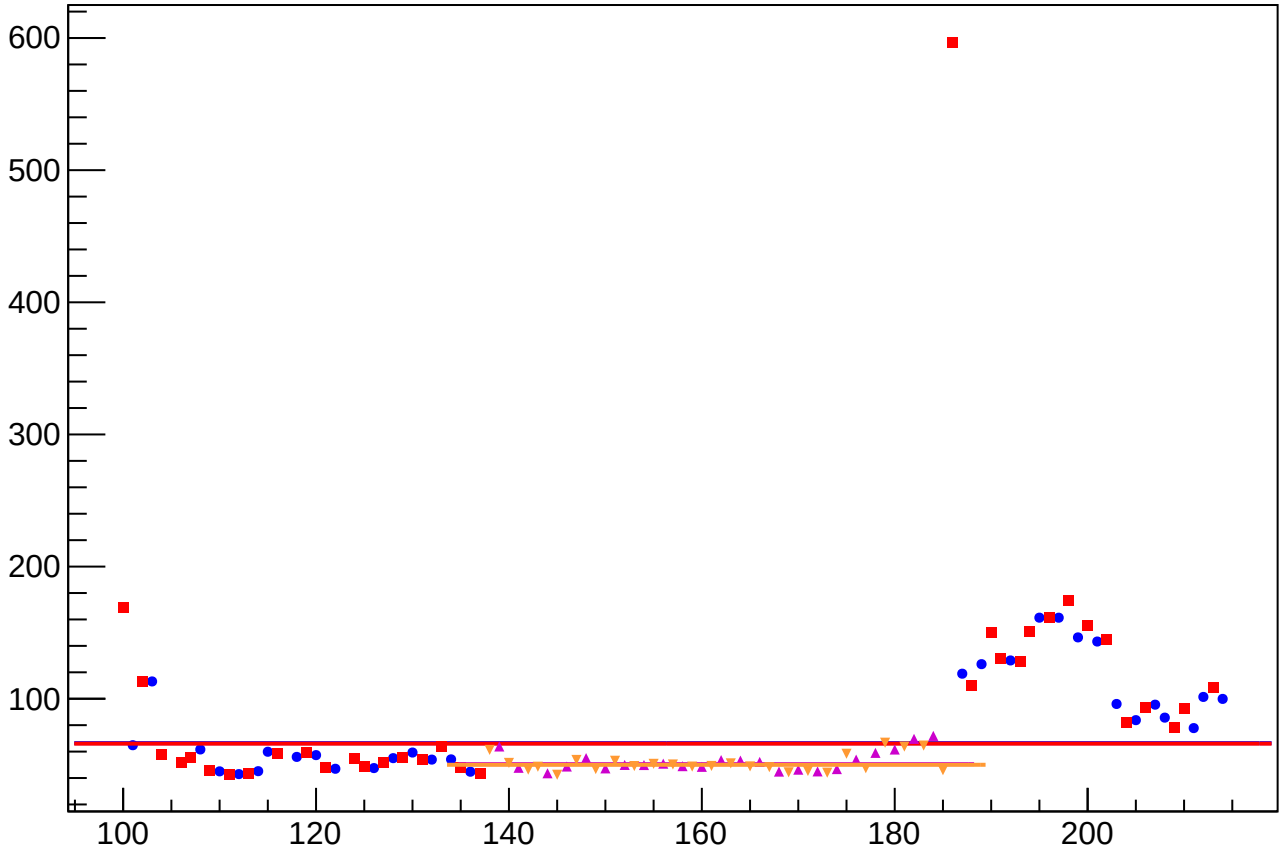
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 27.406+/-9.518 χ^2/NDF: 61.2/54

All: -6.453+/-6.814 χ^2/NDF: 183.3/111

- sign -42.041+/-9.758 χ^2/NDF: 96.2/56

reg_asym_sam_1357_avg_rms vs Slug



Right In: 66.392+/-0.012 χ^2/NDF: 5400096.8/29

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 66.018+/-0.012 χ^2/NDF: 6932848.2/33

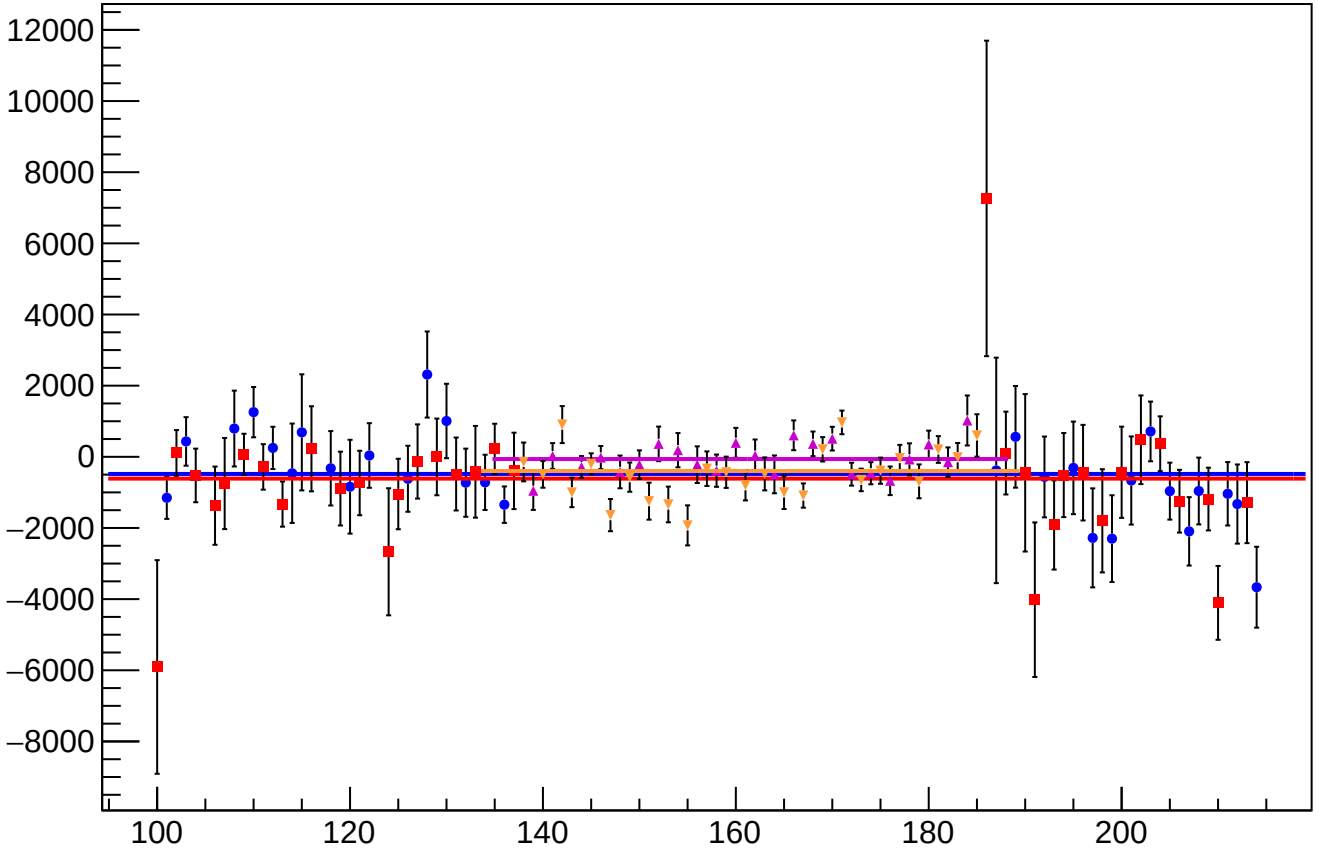
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.166+/-0.007 χ^2/NDF: 7184089.2/54

All: 55.398+/-0.005 χ^2/NDF: 15740618.4/111

- sign 55.641+/-0.007 χ^2/NDF: 8554098.3/56

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -481.420+/-167.980 χ^2/NDF: 42.1/29

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -612.350+/-169.408 χ^2/NDF: 34.7/33

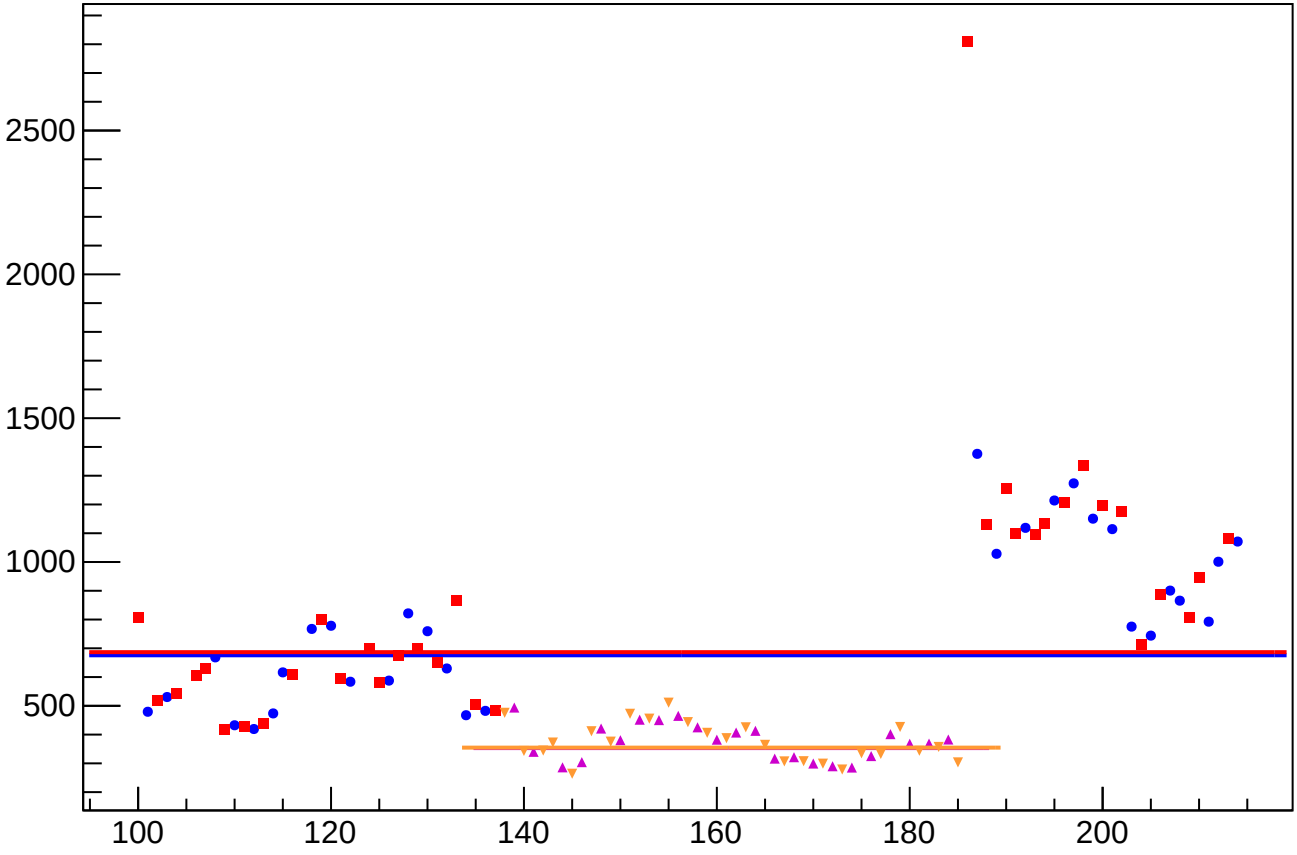
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -415.174+/-73.735 χ^2/NDF: 107.7/54

All: -295.168+/-52.642 χ^2/NDF: 180.2/111

- sign -170.415+/-75.179 χ^2/NDF: 67.1/56

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 675.711+/-0.119 χ^2/NDF: 3973487.4/29

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 686.603+/-0.120 χ^2/NDF: 4916970.6/33

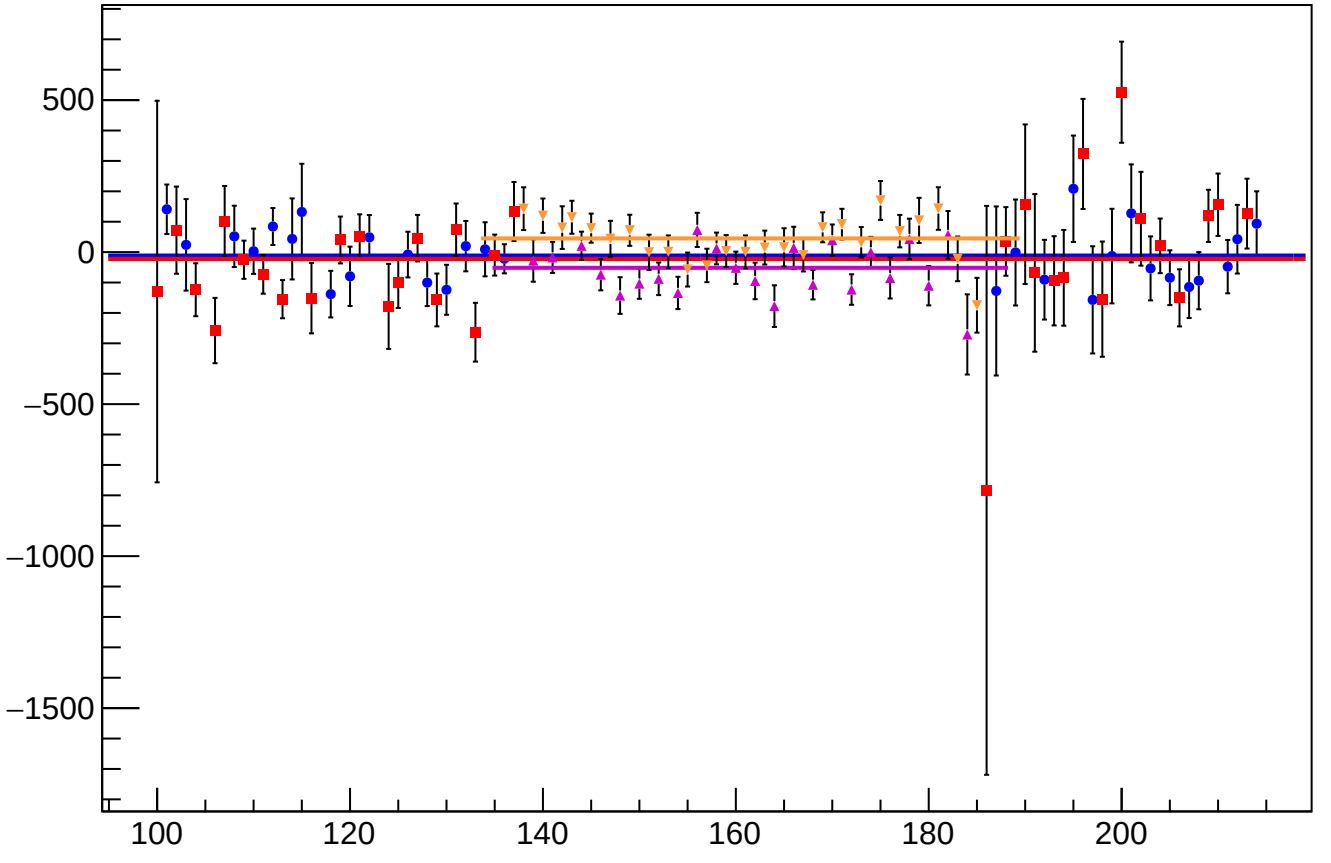
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 416.528+/-0.052 χ^2/NDF: 11016657.8/54

All: 417.635+/-0.037 χ^2/NDF: 23162912.8/11

- sign 418.787+/-0.053 χ^2/NDF: 12145334.3/56

cor_asym_sam_1357_avg_mean vs Slug



Right In: -11.189+/-16.979 χ^2/NDF: 22.3/29

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -22.583+/-16.968 χ^2/NDF: 58.3/33

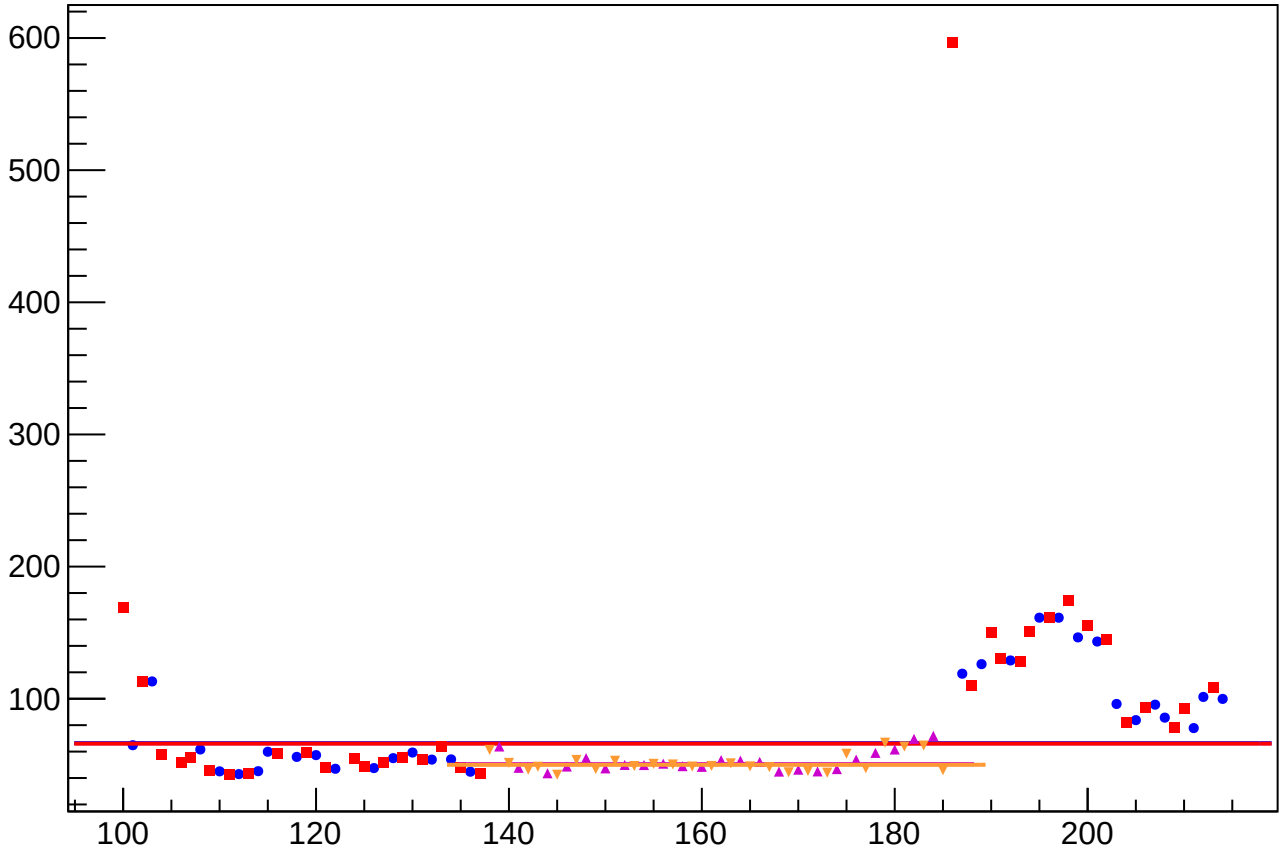
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.407+/-9.518 χ^2/NDF: 61.2/54

All: -6.439+/-6.814 χ^2/NDF: 183.2/111

- sign -42.013+/-9.758 χ^2/NDF: 96.1/56

cor_asym_sam_1357_avg_rms vs Slug



Right In: 66.392+/-0.012 χ^2/NDF: 5400099.1/29

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 66.011+/-0.012 χ^2/NDF: 6934560.7/33

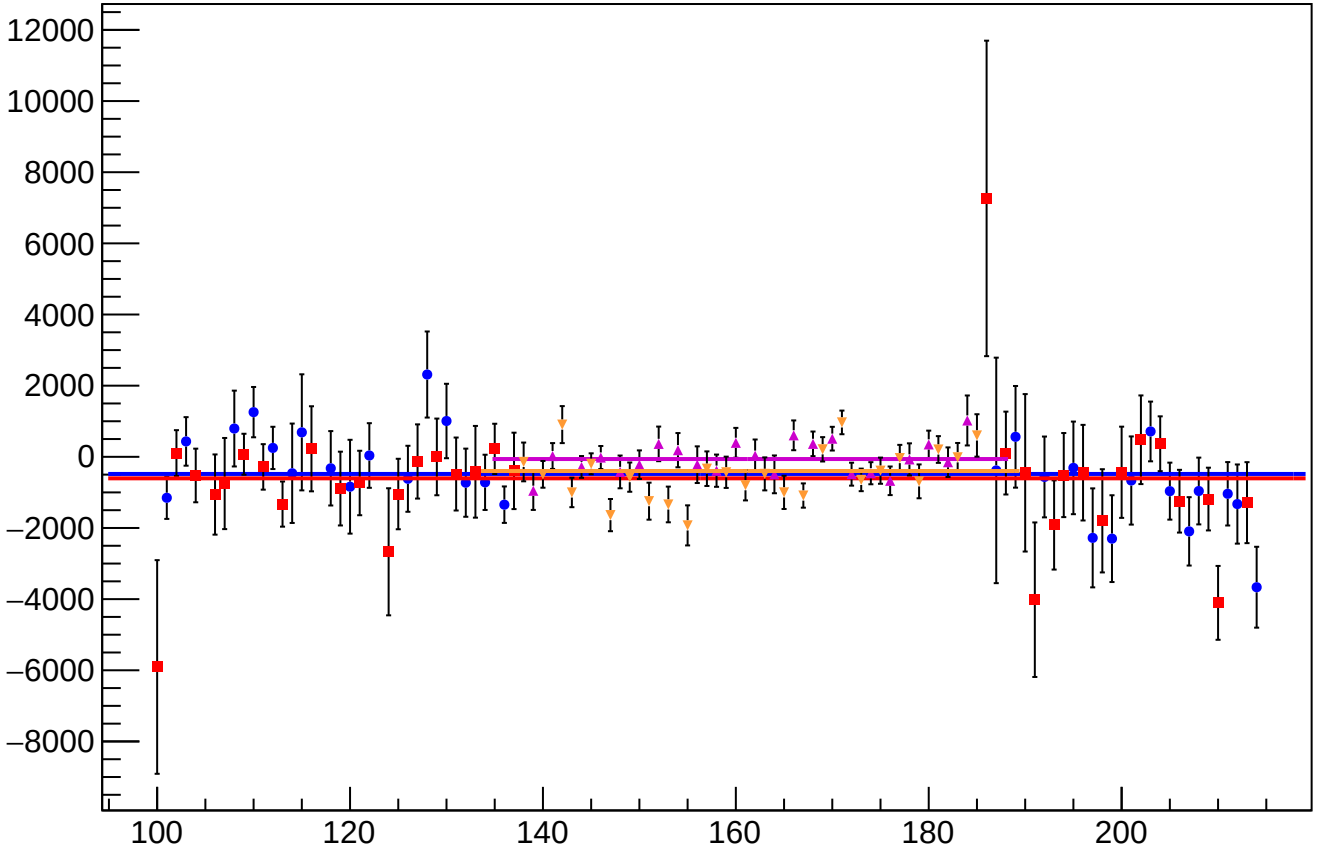
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.166+/-0.007 χ^2/NDF: 7184091.5/54

All: 55.396+/-0.005 χ^2/NDF: 15741248.9/111

- sign 55.639+/-0.007 χ^2/NDF: 8554751.9/56

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -481.409+/-167.981 χ^2/NDF: 42.1/29

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

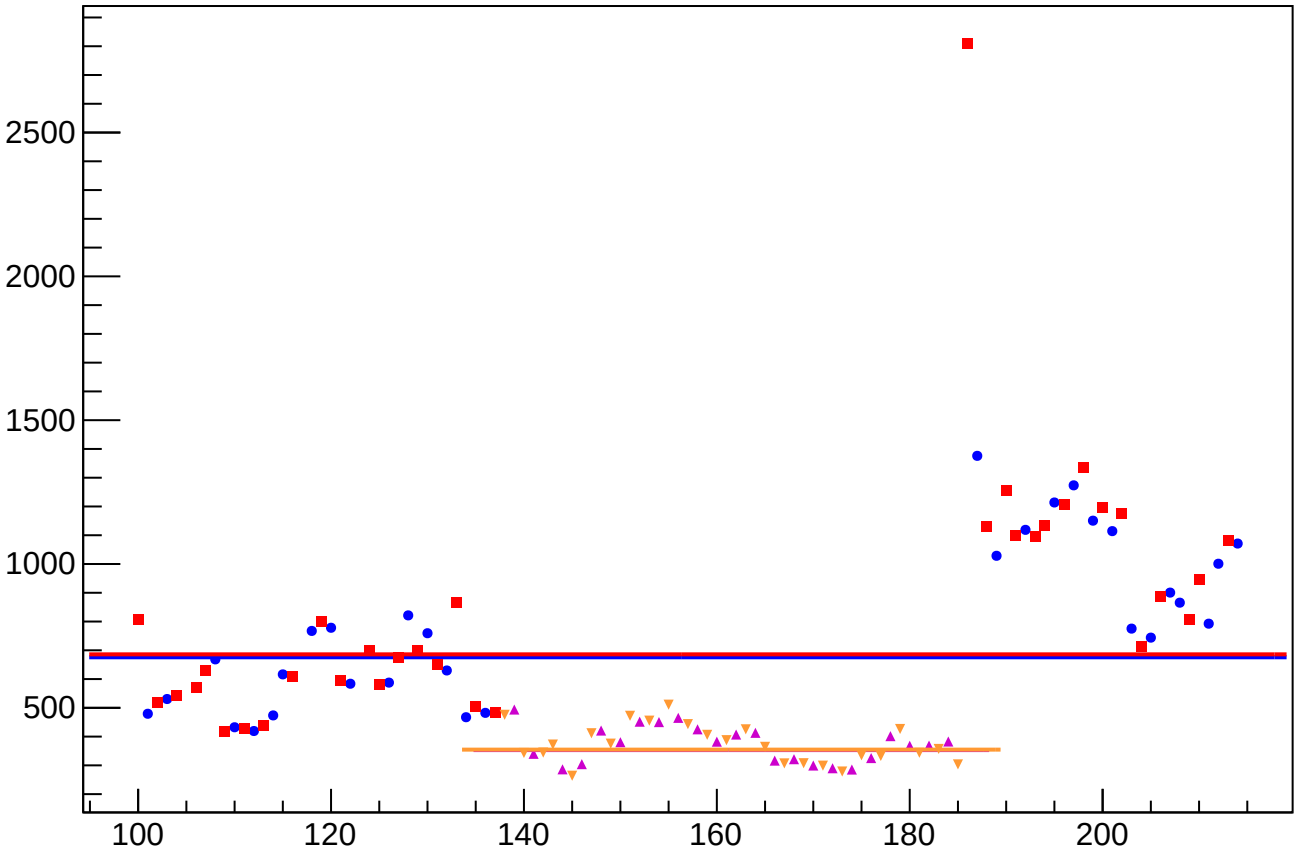
Right Out: -604.720+/-169.518 χ^2/NDF: 34.4/33

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -415.168+/-73.735 χ^2/NDF: 107.7/54

All: -294.388+/-52.645 χ^2/NDF: 179.7/111

- sign -168.800+/-75.189 χ^2/NDF: 66.5/56



Right In: 675.716+/-0.119 χ^2/NDF: 3973399.0/29

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 685.951+/-0.120 χ^2/NDF: 4926327.6/33

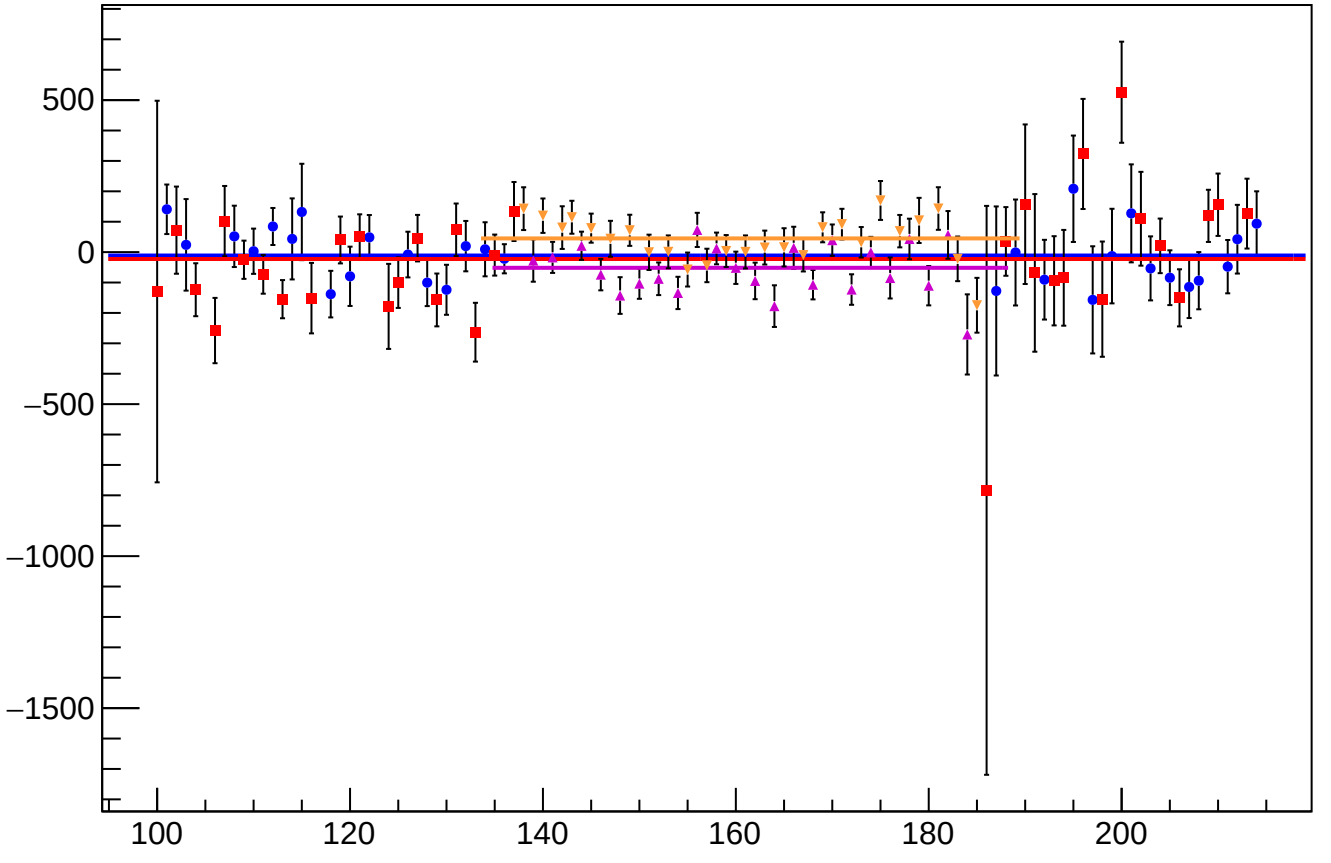
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 416.528+/-0.052 χ^2/NDF: 11016712.7/54

All: 417.539+/-0.037 χ^2/NDF: 23141368.8/11

- sign 418.590+/-0.053 χ^2/NDF: 12123889.3/56

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -11.189+/-16.979 χ^2/NDF: 22.3/29

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -22.583+/-16.968 χ^2/NDF: 58.3/33

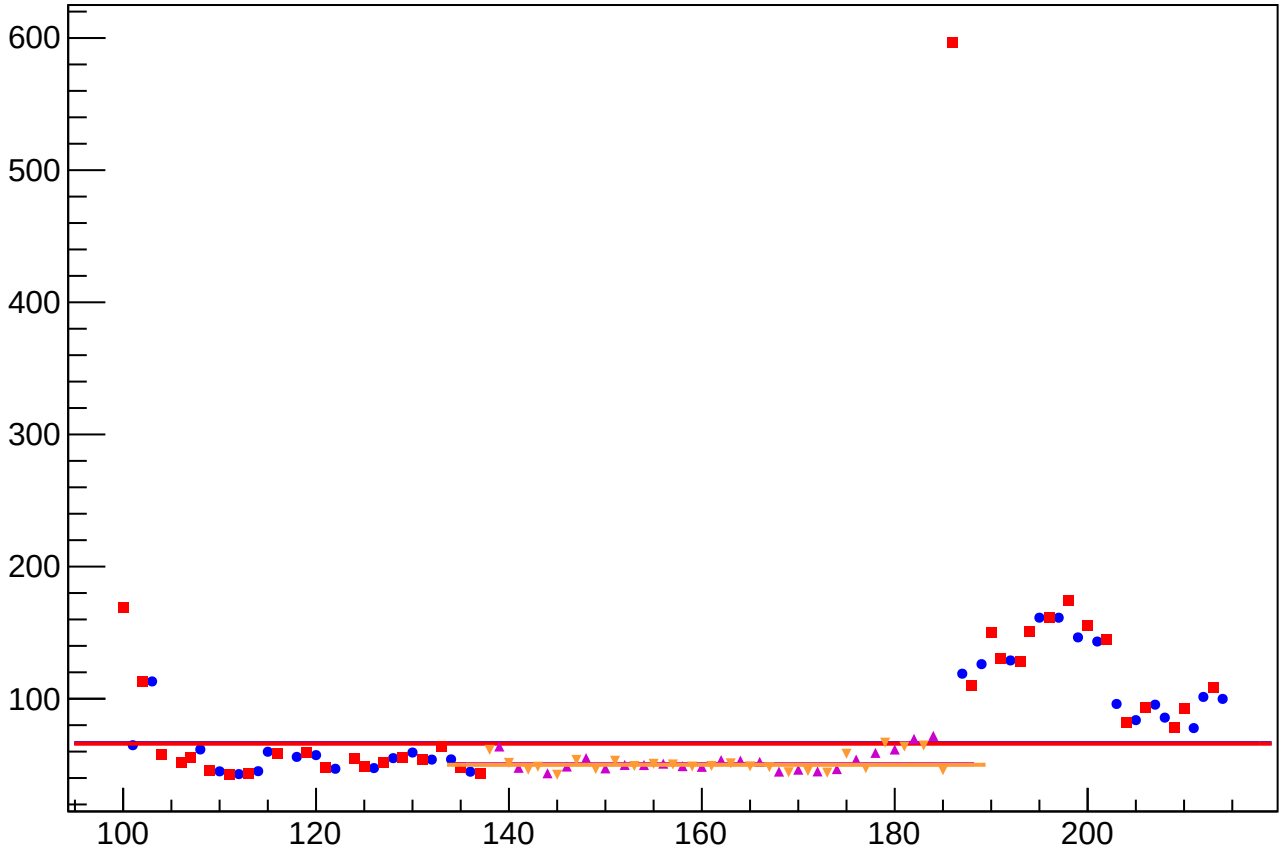
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 27.407+/-9.518 χ^2/NDF: 61.2/54

All: -6.439+/-6.814 χ^2/NDF: 183.2/111

- sign -42.013+/-9.758 χ^2/NDF: 96.1/56

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 66.392+/-0.012 χ^2/NDF: 5400099.1/29

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

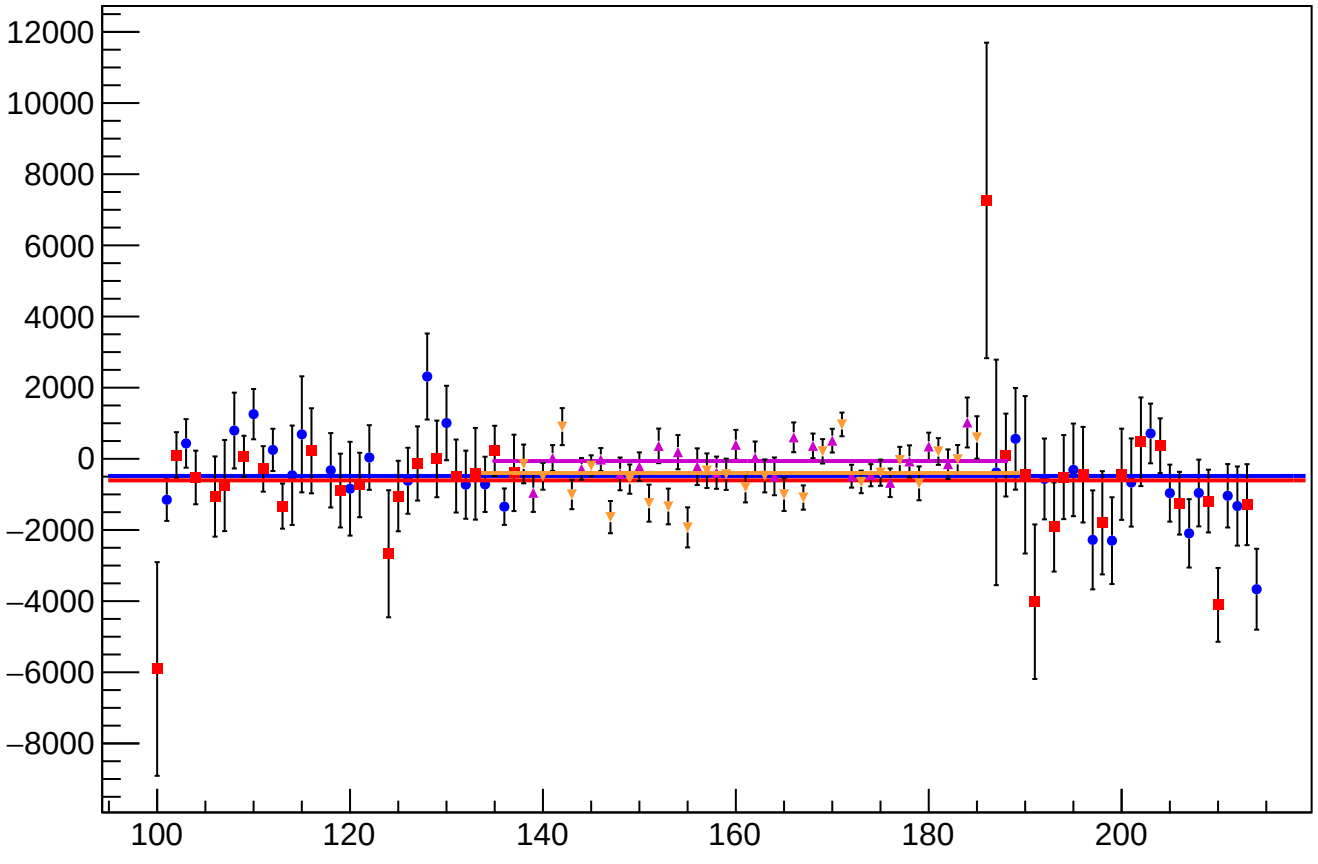
Right Out: 66.011+/-0.012 χ^2/NDF: 6934560.7/33

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 55.166+/-0.007 χ^2/NDF: 7184091.5/54

All: 55.396+/-0.005 χ^2/NDF: 15741248.9/111

- sign 55.639+/-0.007 χ^2/NDF: 8554751.9/56



Right In: -481.409+/-167.981 χ^2/NDF: 42.1/29

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

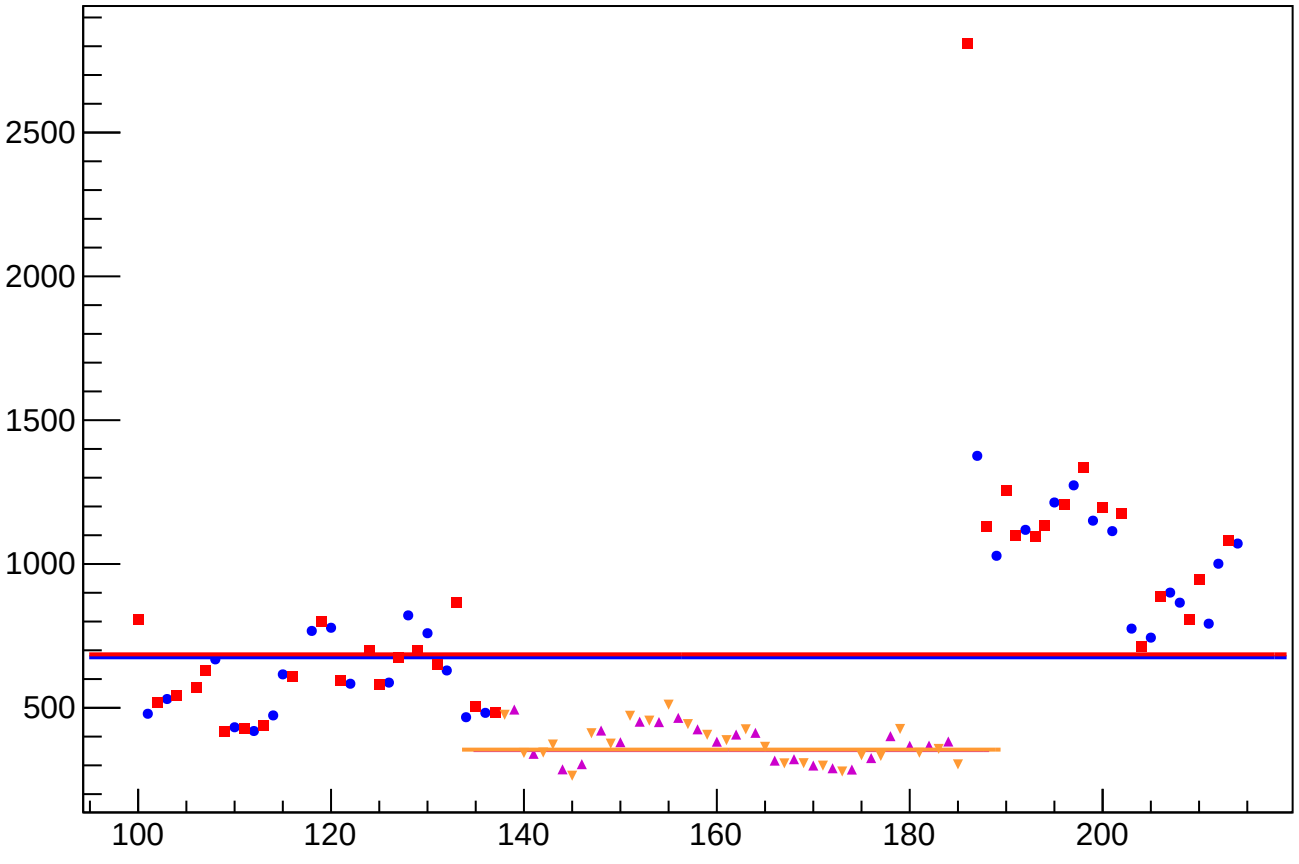
Right Out: -604.720+/-169.518 χ^2/NDF: 34.4/33

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -415.168+/-73.735 χ^2/NDF: 107.7/54

All: -294.388+/-52.645 χ^2/NDF: 179.7/111

- sign -168.800+/-75.189 χ^2/NDF: 66.5/56



Right In: 675.716+/-0.119 χ^2/NDF: 3973399.0/29

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 685.951+/-0.120 χ^2/NDF: 4926327.6/33

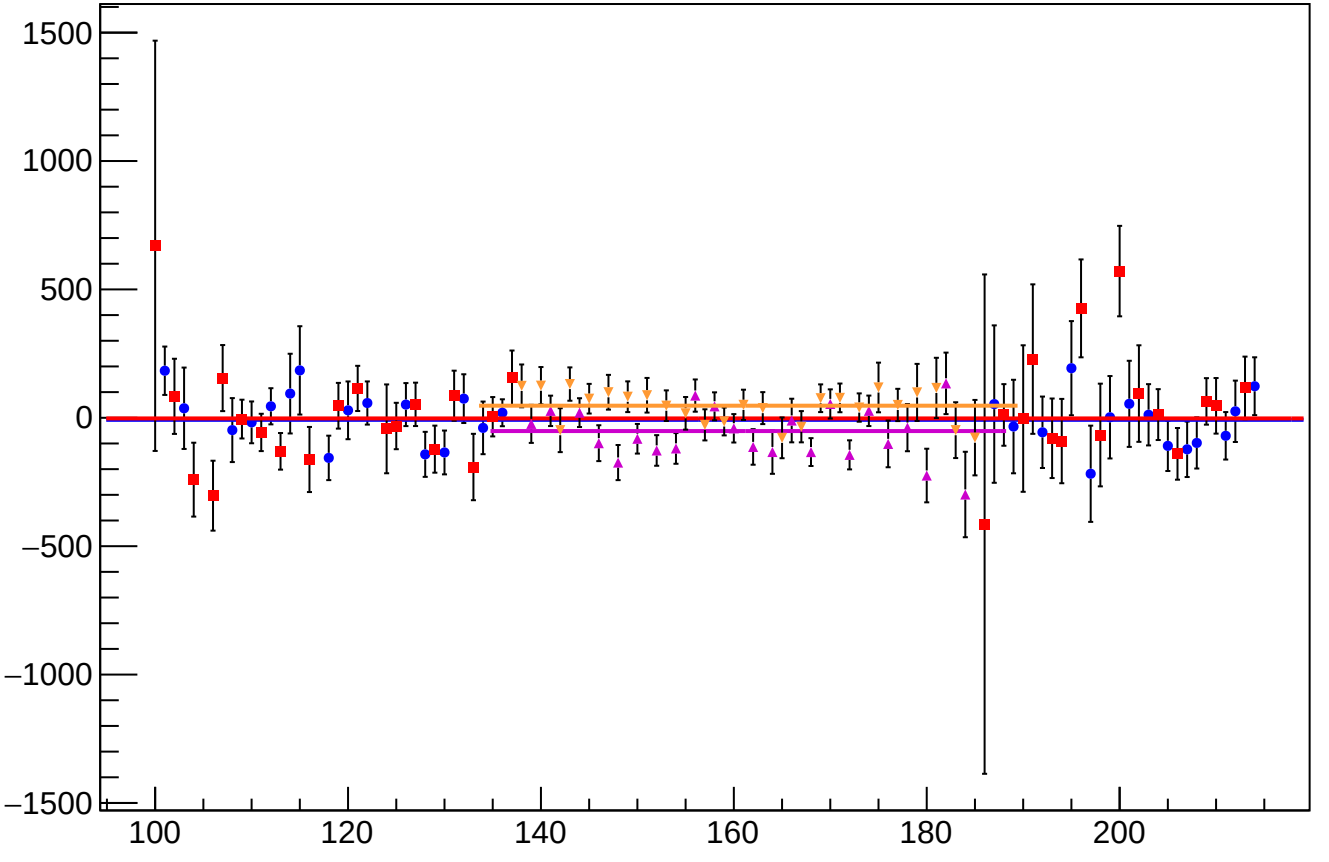
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 416.528+/-0.052 χ^2/NDF: 11016712.7/54

All: 417.539+/-0.037 χ^2/NDF: 23141368.8/11

- sign 418.590+/-0.053 χ^2/NDF: 12123889.3/56

dit_asym_sam_1357_avg_mean vs Slug



Right In: -7.920+/-18.795 χ^2/NDF: 24.1/29

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -2.433+/-19.279 χ^2/NDF: 46.1/33

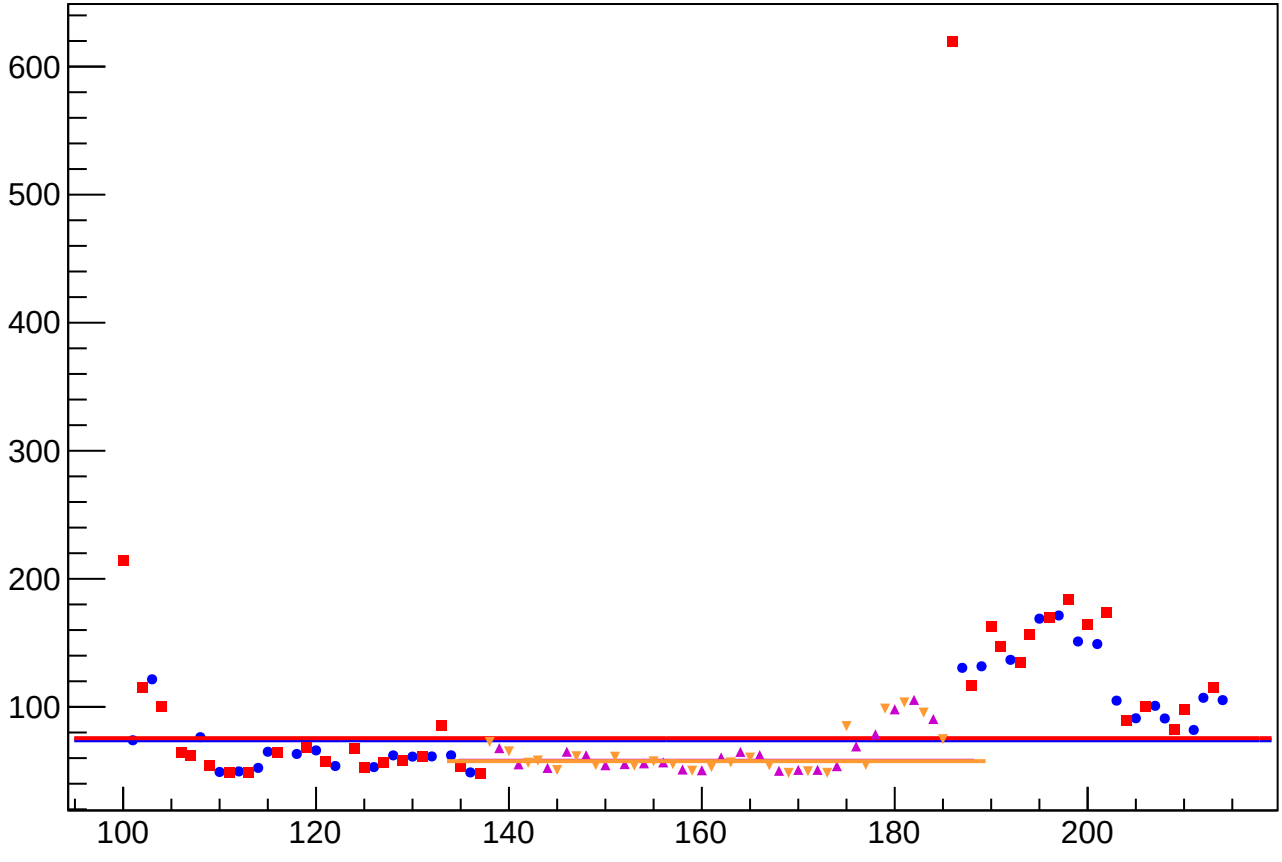
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 28.388+/-10.971 χ^2/NDF: 46.8/54

All: -2.274+/-7.869 χ^2/NDF: 151.4/111

- sign -34.763+/-11.293 χ^2/NDF: 88.6/56

dit_asym_sam_1357_avg_rms vs Slug



Right In: 73.925+/-0.013 χ^2/NDF: 4851246.5/29

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 75.564+/-0.014 χ^2/NDF: 6325657.5/33

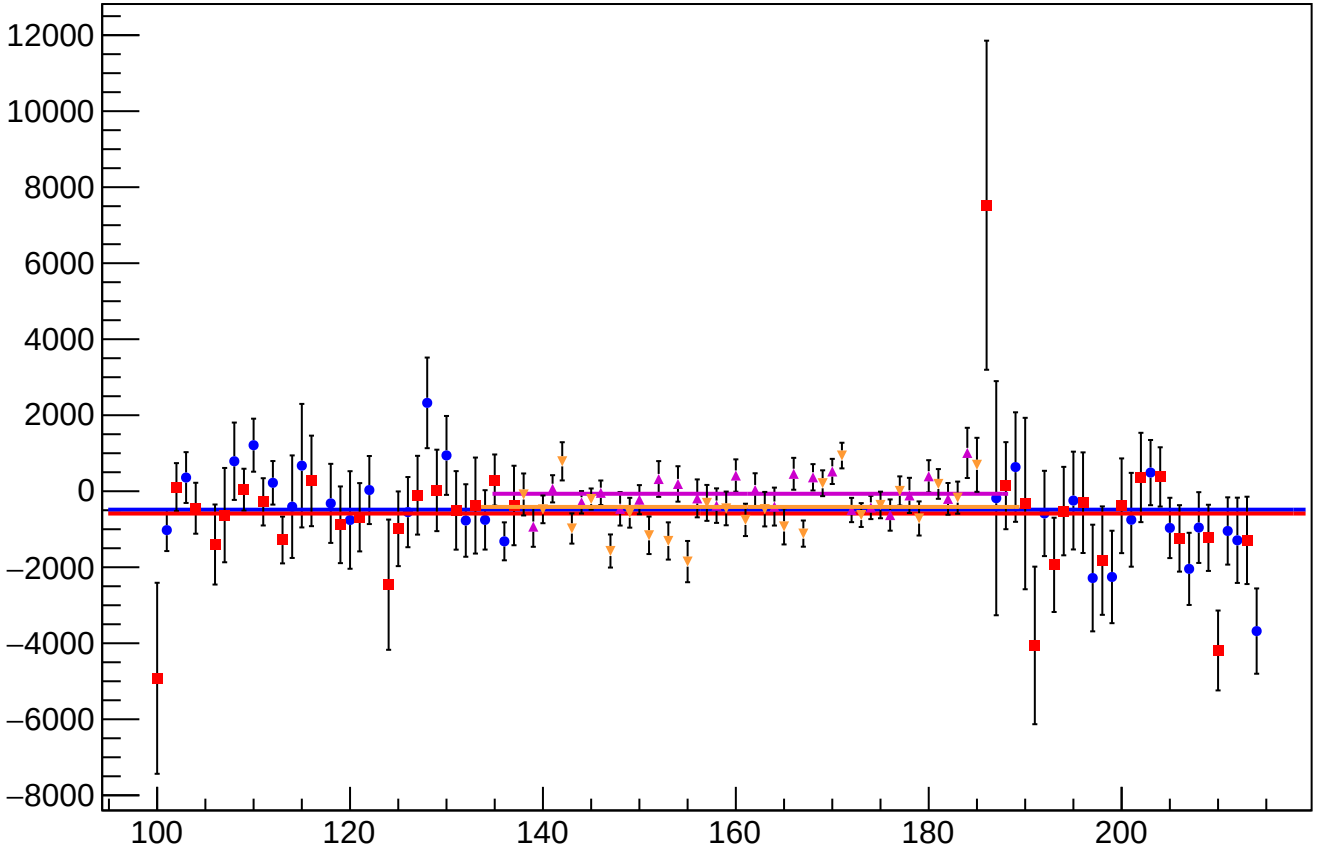
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 63.182+/-0.008 χ^2/NDF: 7207715.7/54

All: 63.573+/-0.006 χ^2/NDF: 15761104.5/111

- sign 63.987+/-0.008 χ^2/NDF: 8548160.2/56

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -485.375+/-164.956 χ^2/NDF: 41.0/29

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -587.184+/-164.924 χ^2/NDF: 36.1/33

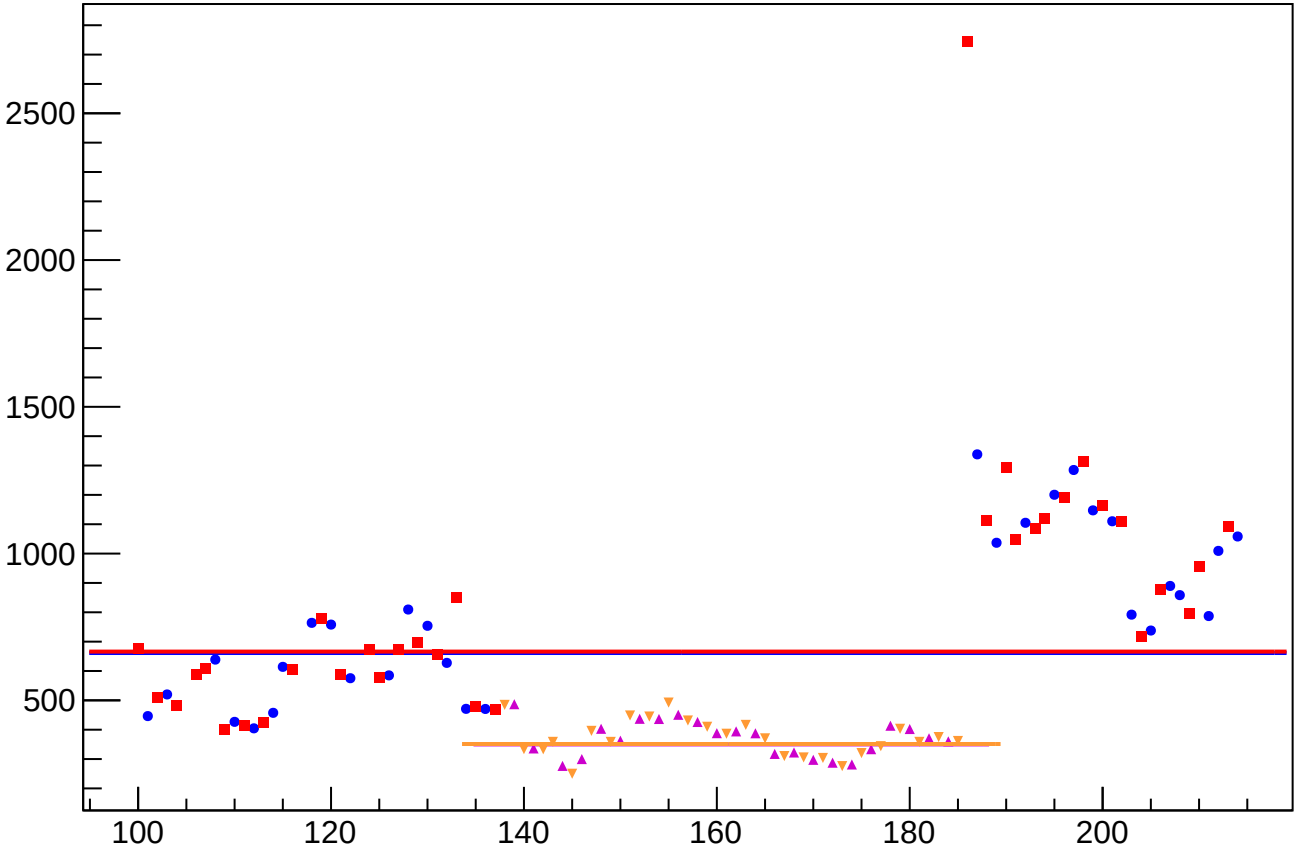
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -427.141+/-72.804 χ^2/NDF: 102.5/54

All: -301.990+/-51.966 χ^2/NDF: 175.5/111

- sign -171.999+/-74.199 χ^2/NDF: 67.0/56

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 661.261+/-0.117 χ^2/NDF: 4219302.2/29

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 666.102+/-0.117 χ^2/NDF: 5174028.2/33

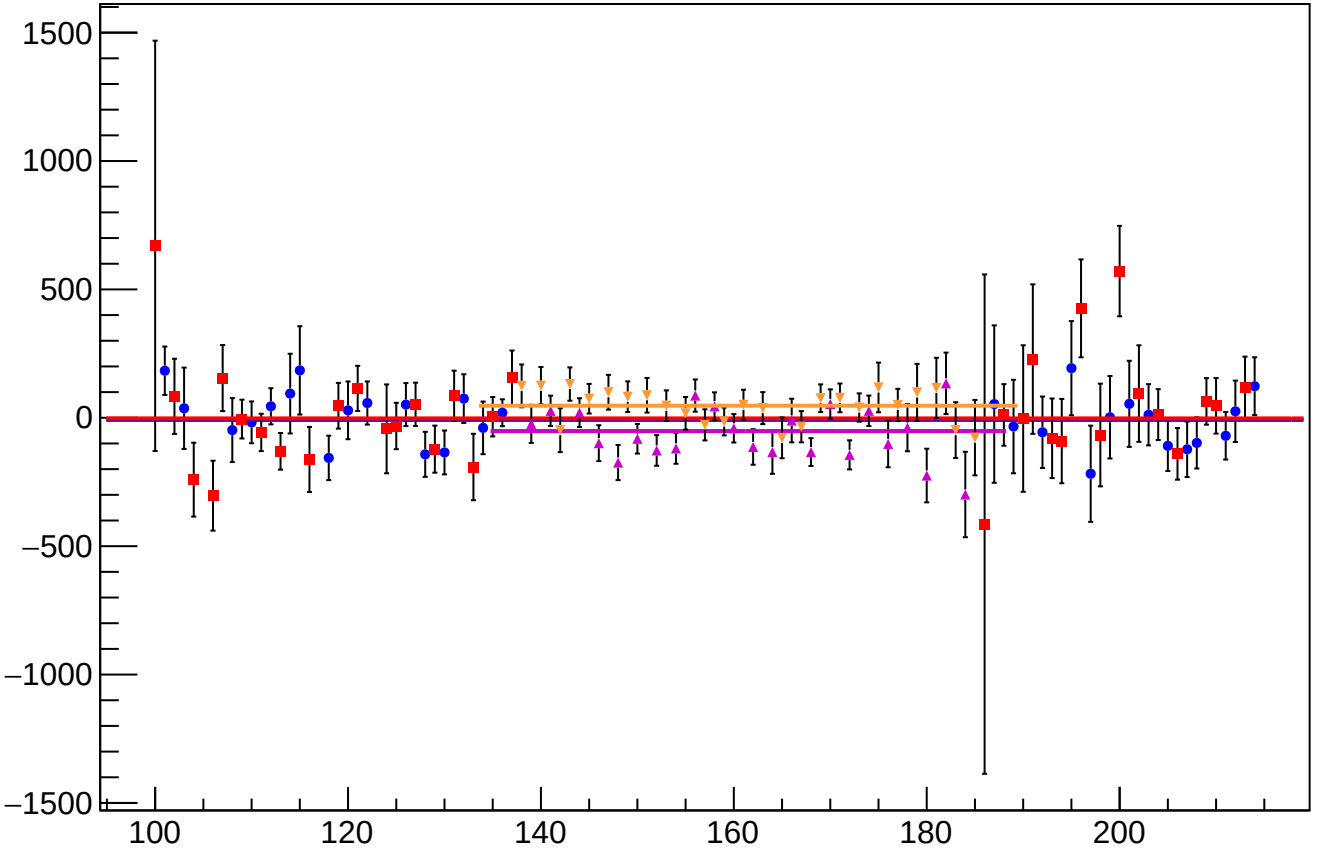
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 411.650+/-0.051 χ^2/NDF: 11024992.7/54

All: 412.720+/-0.037 χ^2/NDF: 23057178.3/11

- sign 413.832+/-0.052 χ^2/NDF: 12031305.1/56

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -7.920+/-18.795 χ^2/NDF: 24.1/29

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -2.431+/-19.279 χ^2/NDF: 46.1/33

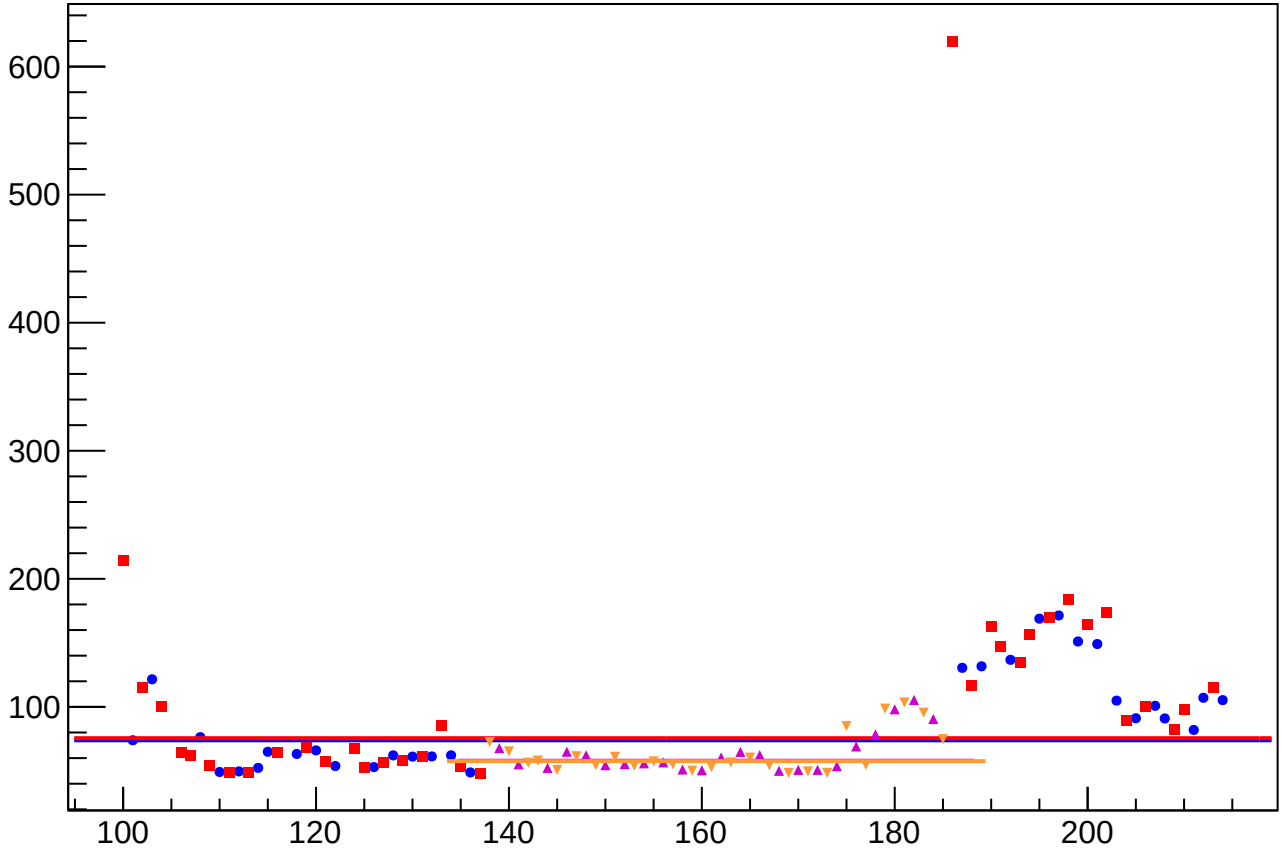
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 28.388+/-10.971 χ^2/NDF: 46.8/54

All: -2.274+/-7.869 χ^2/NDF: 151.4/111

- sign -34.762+/-11.293 χ^2/NDF: 88.6/56

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 73.925+/-0.013 χ^2/NDF: 4851221.1/29

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

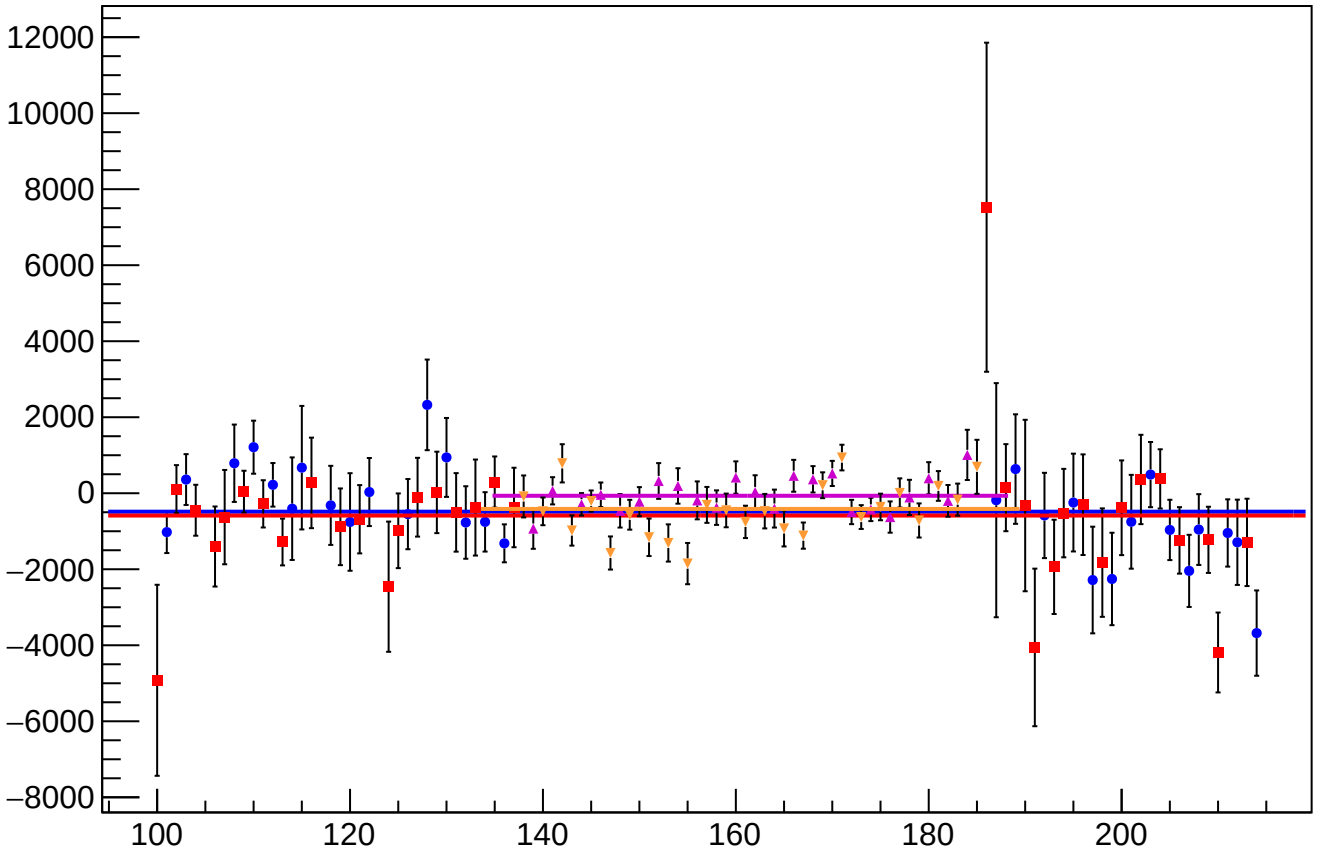
Right Out: 75.565+/-0.014 χ^2/NDF: 6325639.3/33

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 63.183+/-0.008 χ^2/NDF: 7207683.0/54

All: 63.573+/-0.006 χ^2/NDF: 15761036.9/111

- sign 63.988+/-0.008 χ^2/NDF: 8548124.9/56



Right In: -485.374+/-164.955 χ^2/NDF: 41.0/29

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

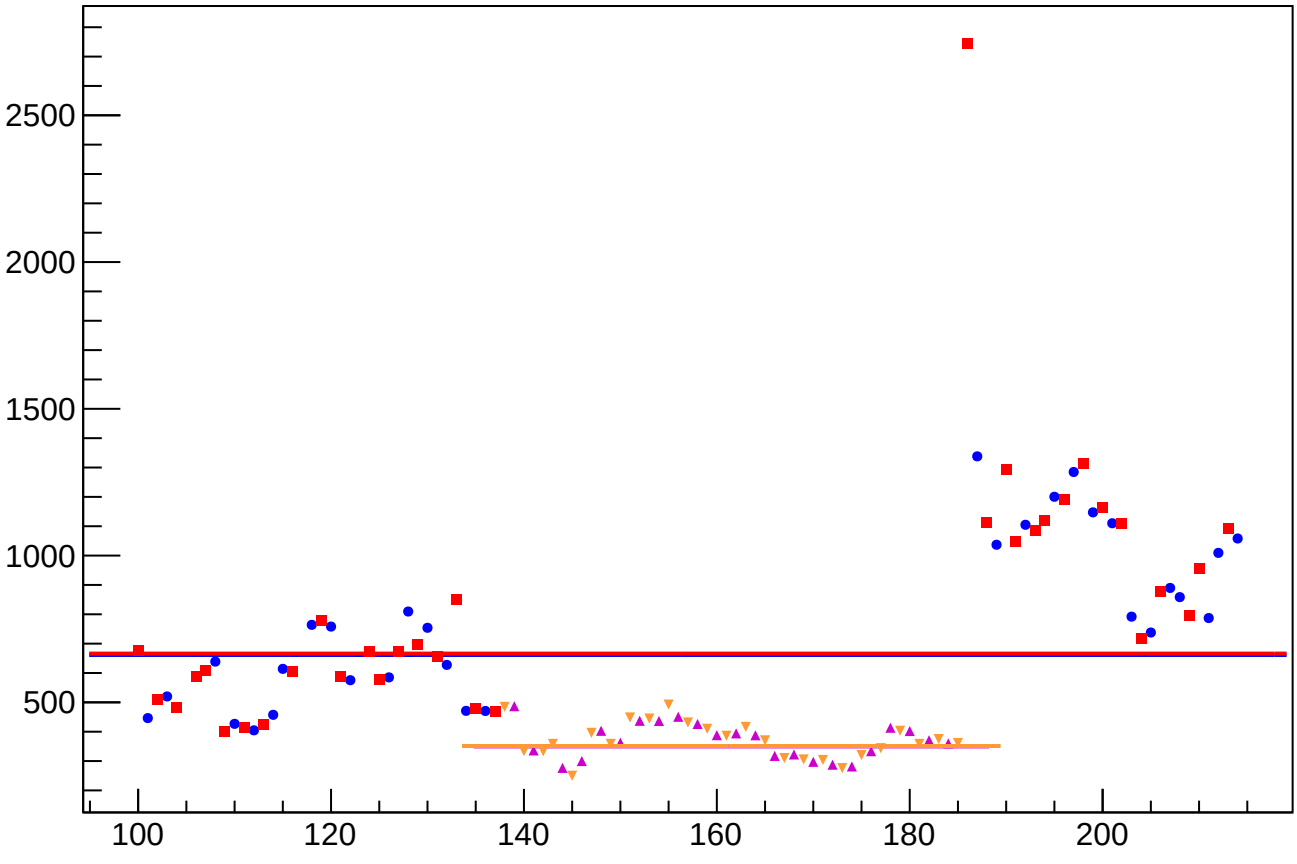
Right Out: -587.183+/-164.924 χ^2/NDF: 36.1/33

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -427.141+/-72.804 χ^2/NDF: 102.5/54

All: -301.990+/-51.966 χ^2/NDF: 175.5/111

- sign -171.998+/-74.199 χ^2/NDF: 67.0/56



Right In: 661.260+/-0.117 χ^2/NDF: 4219314.5/29

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 666.101+/-0.117 χ^2/NDF: 5174036.3/33

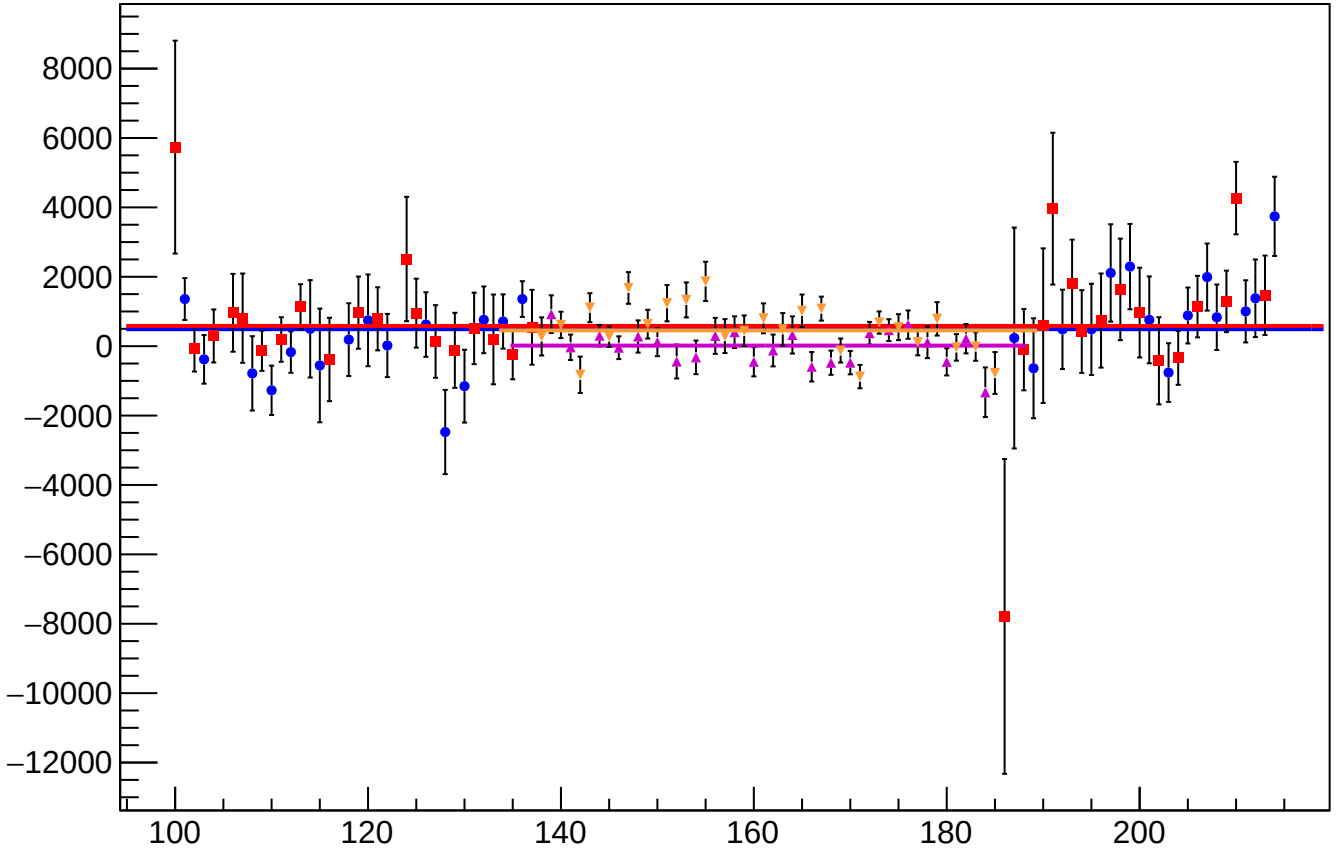
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 411.650+/-0.051 χ^2/NDF: 11024986.4/54

All: 412.720+/-0.037 χ^2/NDF: 23057153.4/11

- sign 413.831+/-0.052 χ^2/NDF: 12031286.3/56

asym_sam_1357_avg_mean vs Slug



Right In: 489.654+/-169.272 χ^2/NDF: 42.8/29

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 583.232+/-170.724 χ^2/NDF: 34.8/33

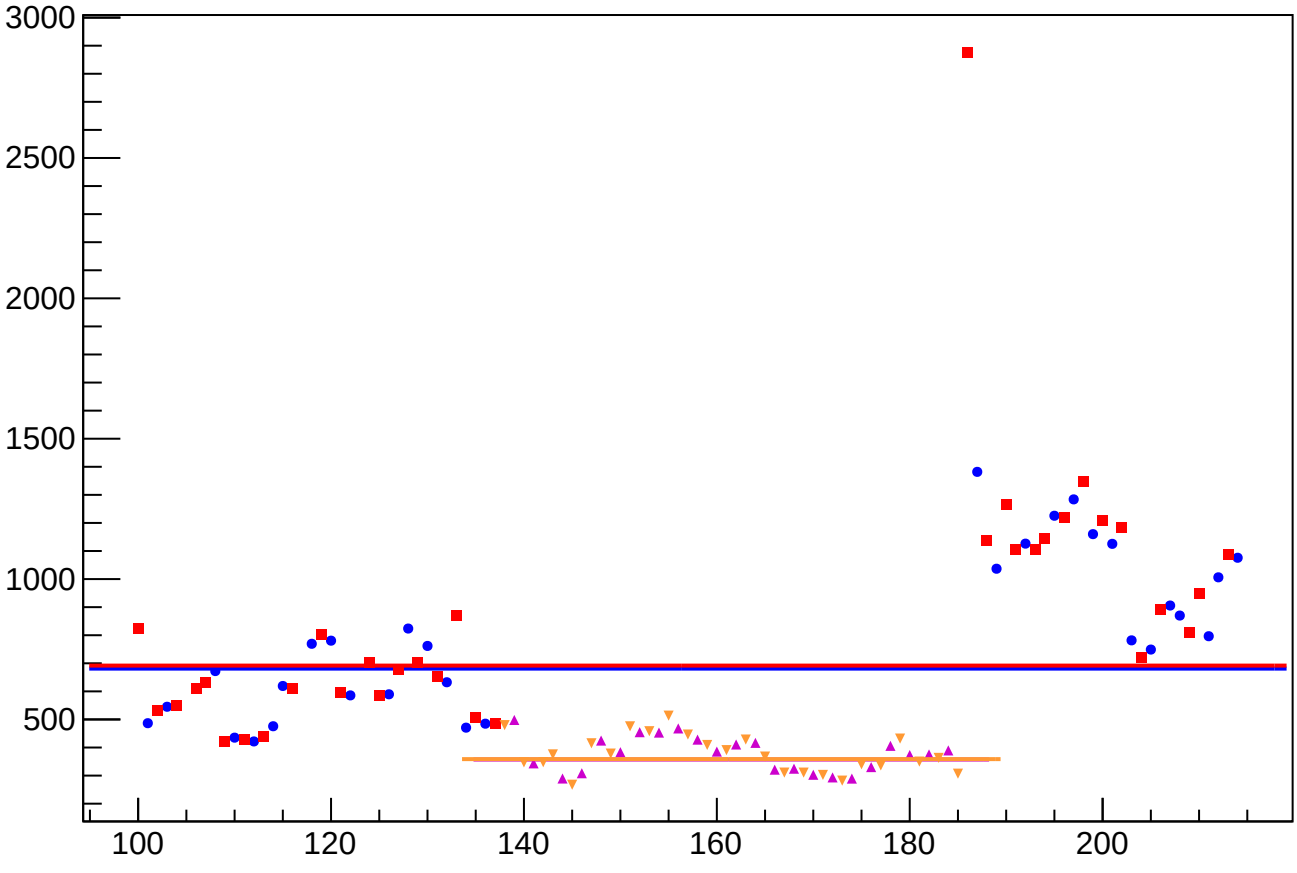
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 461.901+/-74.495 χ^2/NDF: 103.7/54

All: 298.406+/-53.189 χ^2/NDF: 182.0/111

- sign 128.375+/-75.969 χ^2/NDF: 68.5/56

asym_sam_1357_avg_rms vs Slug



Right In: 681.090+/-0.120 χ^2/NDF: 3953781.2/29

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

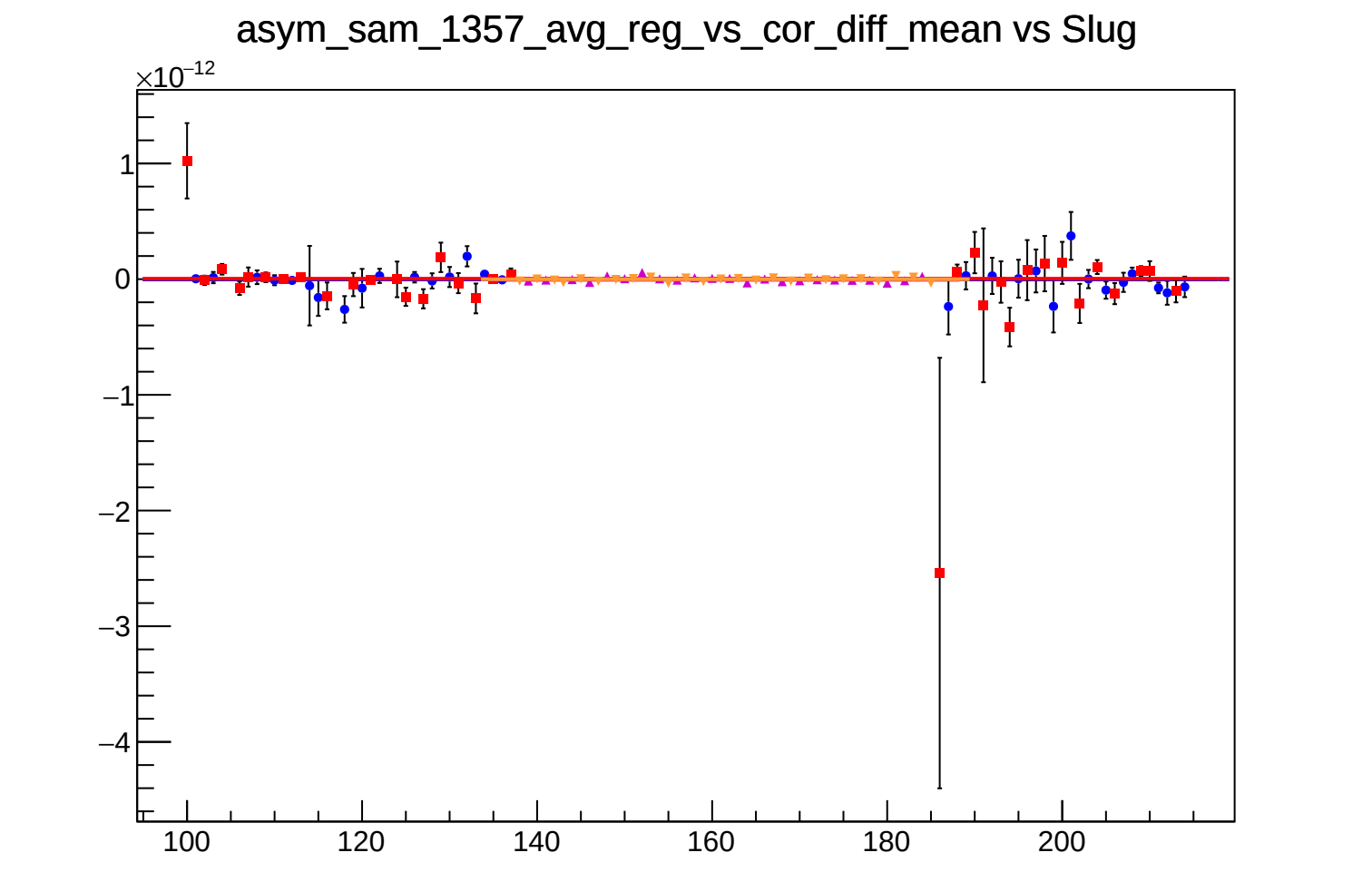
Right Out: 691.834+/-0.121 χ^2/NDF: 4910185.6/33

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 421.121+/-0.053 χ^2/NDF: 10923844.4/54

All: 422.261+/-0.038 χ^2/NDF: 22979693.7/11

- sign 423.446+/-0.054 χ^2/NDF: 12054894.5/56



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/29

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

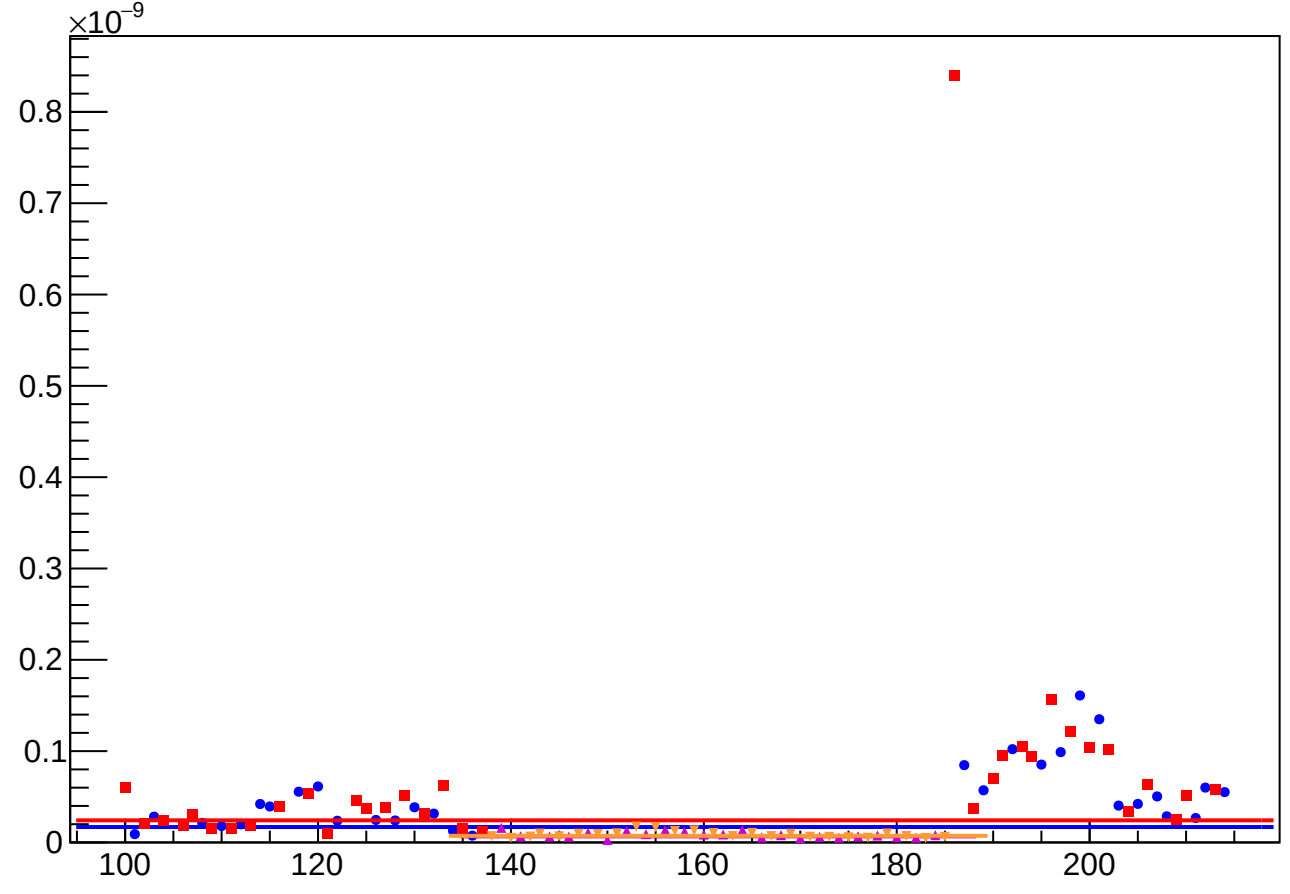
Right Out: 0.000+/-0.000 χ^2/NDF: 52.2/33

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.4/54

All: -0.000+/-0.000 χ^2/NDF: 126.9/111

- sign -0.000+/-0.000 χ^2/NDF: 81.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 6981629.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5606289.1/33

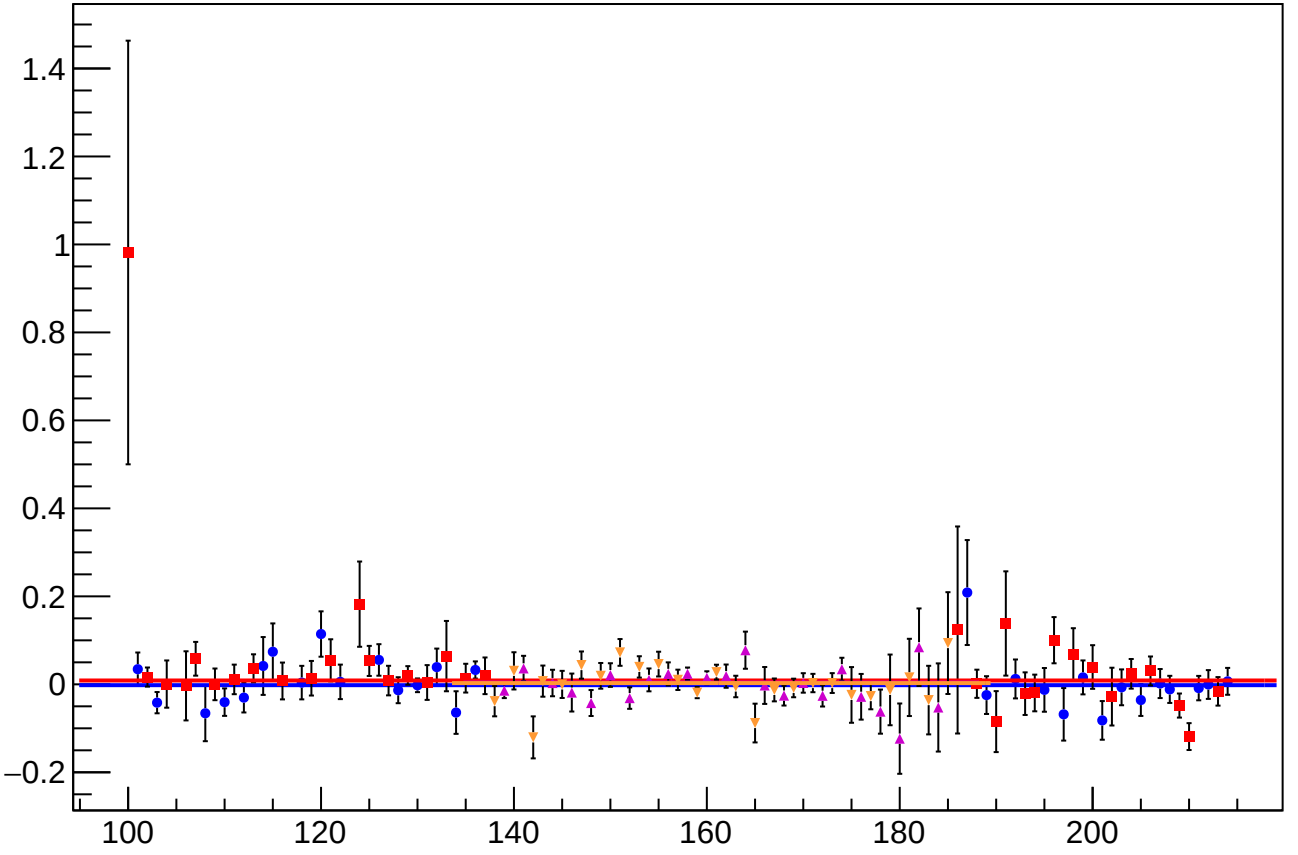
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10748212.7/54

All: 0.000+/-0.000 χ^2/NDF: 22957433.2/111

- sign 0.000+/-0.000 χ^2/NDF: 12178092.6/56

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/29

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.009+/-0.007 χ^2/NDF: 45.3/33

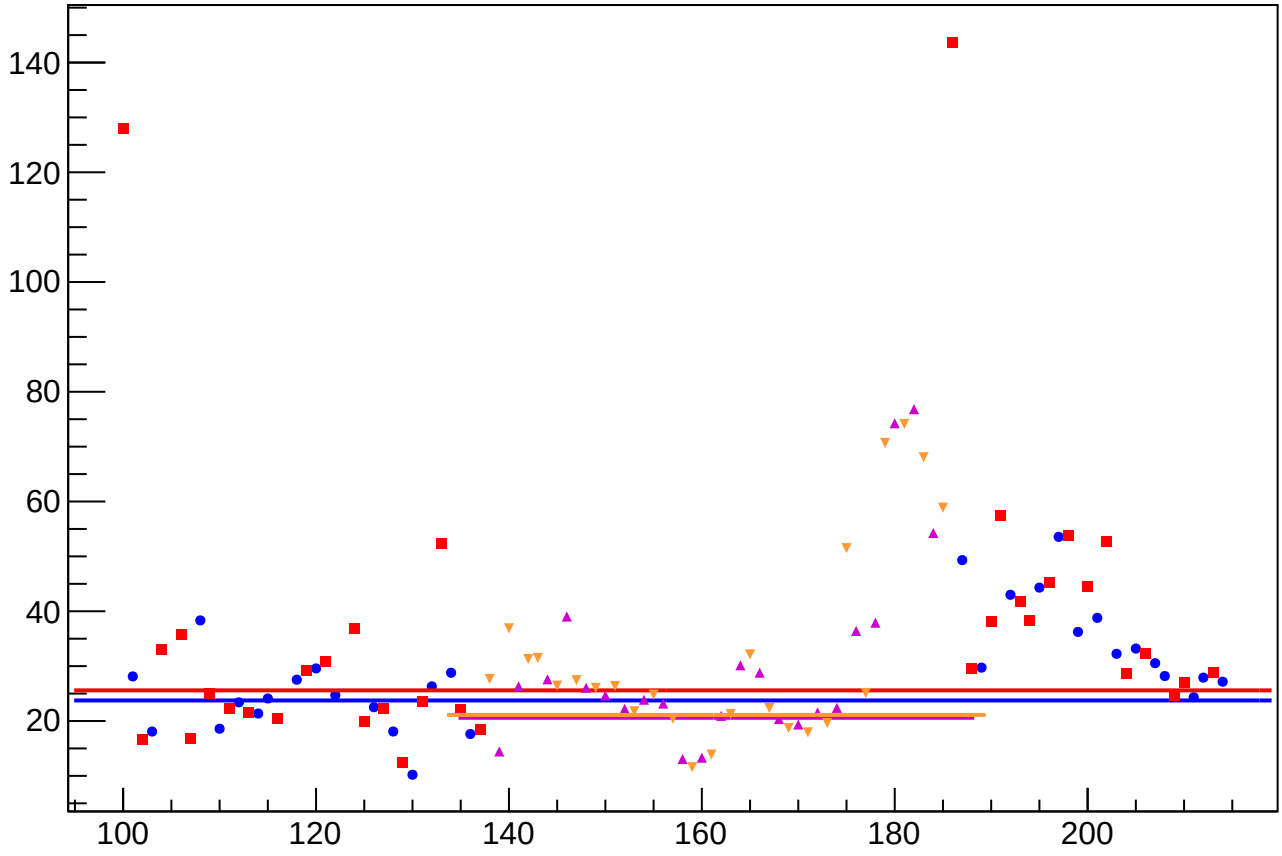
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.9/54

All: 0.003+/-0.003 χ^2/NDF: 135.8/111

- sign 0.006+/-0.004 χ^2/NDF: 70.2/56

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 23.744+/-0.004 χ^2/NDF: 4361361.1/29

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

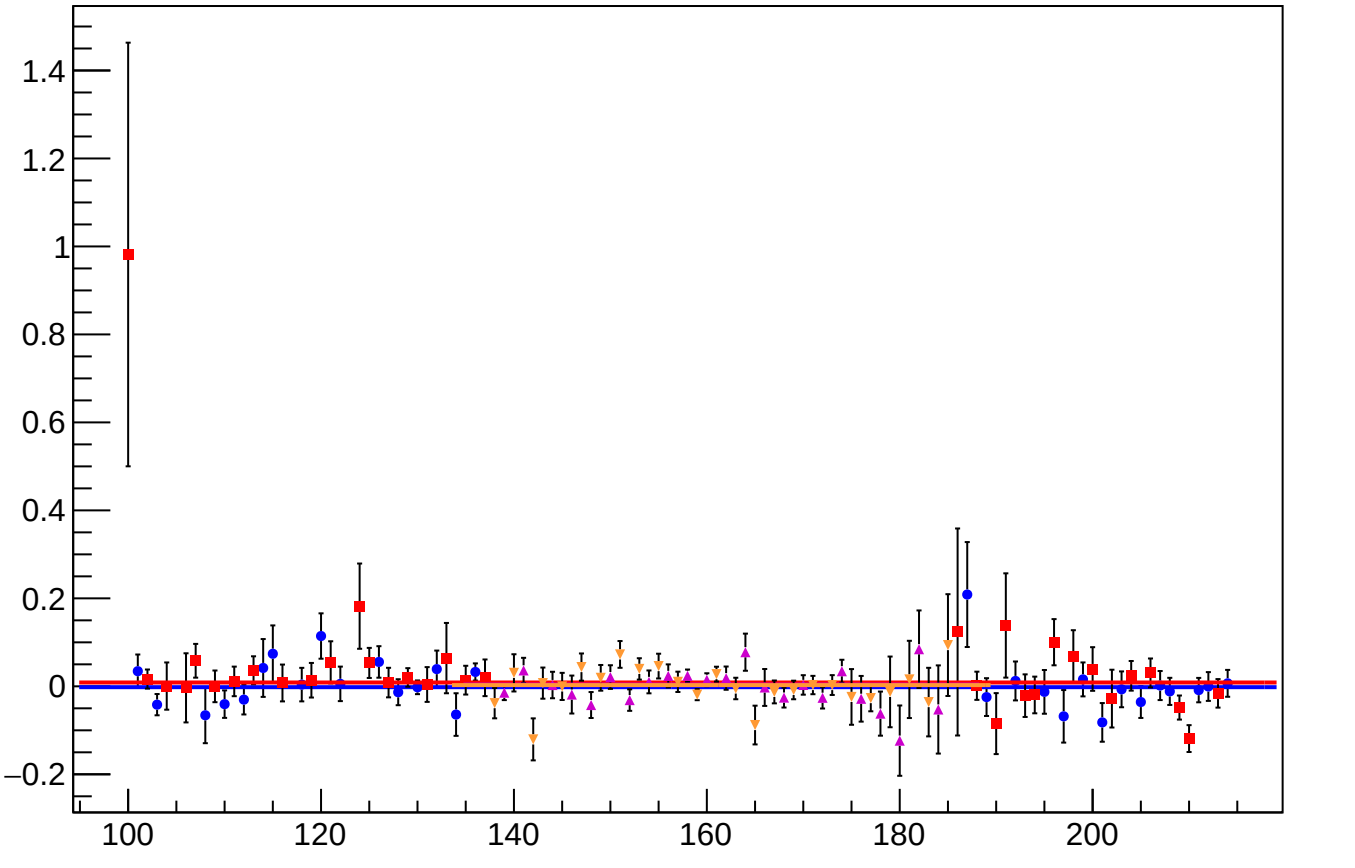
Right Out: 25.584+/-0.005 χ^2/NDF: 4569061.8/33

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.259+/-0.003 χ^2/NDF: 10111905.5/54

All: 22.423+/-0.002 χ^2/NDF: 19964931.3/111

- sign 22.597+/-0.003 χ^2/NDF: 9846417.5/56



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/29

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

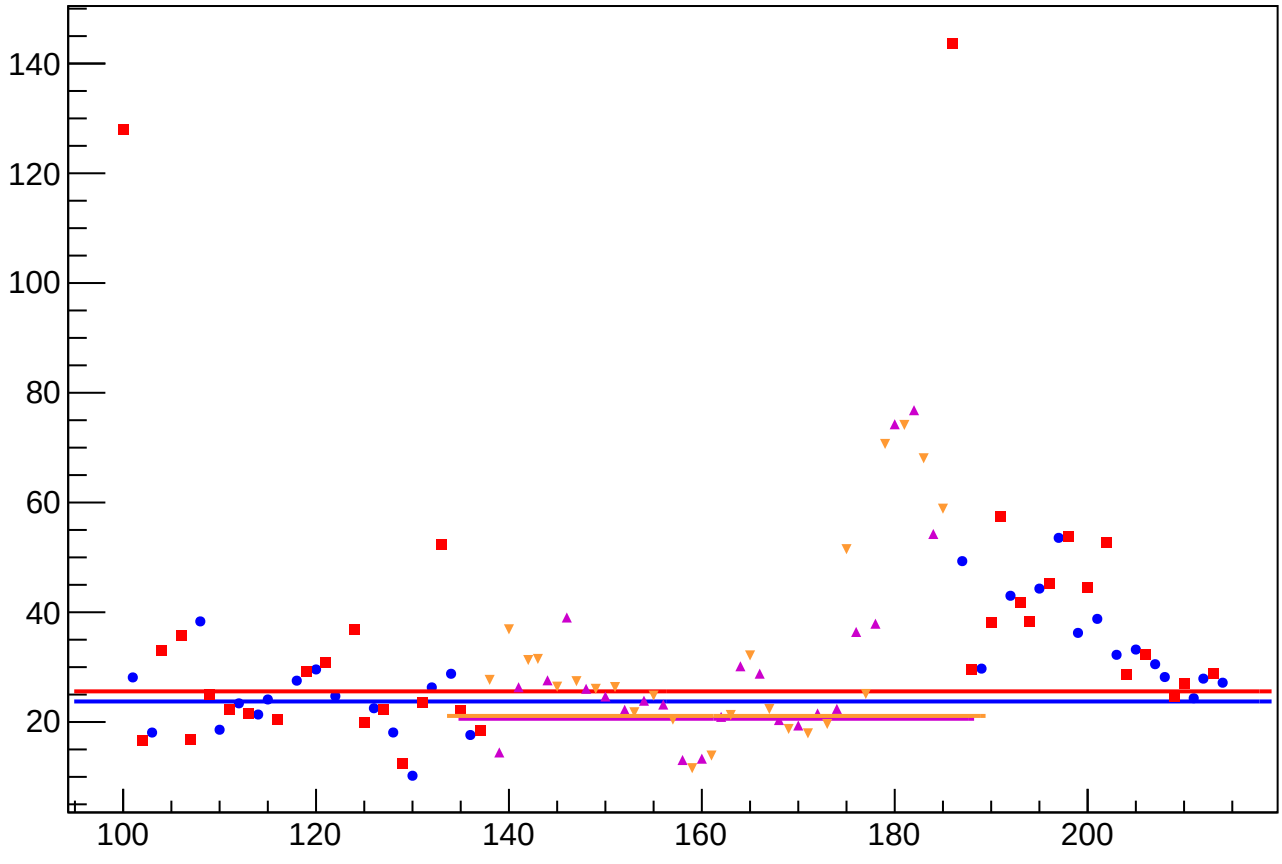
Right Out: 0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.9/54

All: 0.003+/-0.003 χ^2/NDF: 135.8/111

- sign 0.006+/-0.004 χ^2/NDF: 70.2/56



Right In: 23.744+/-0.004 χ^2/NDF: 4361361.1/29

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

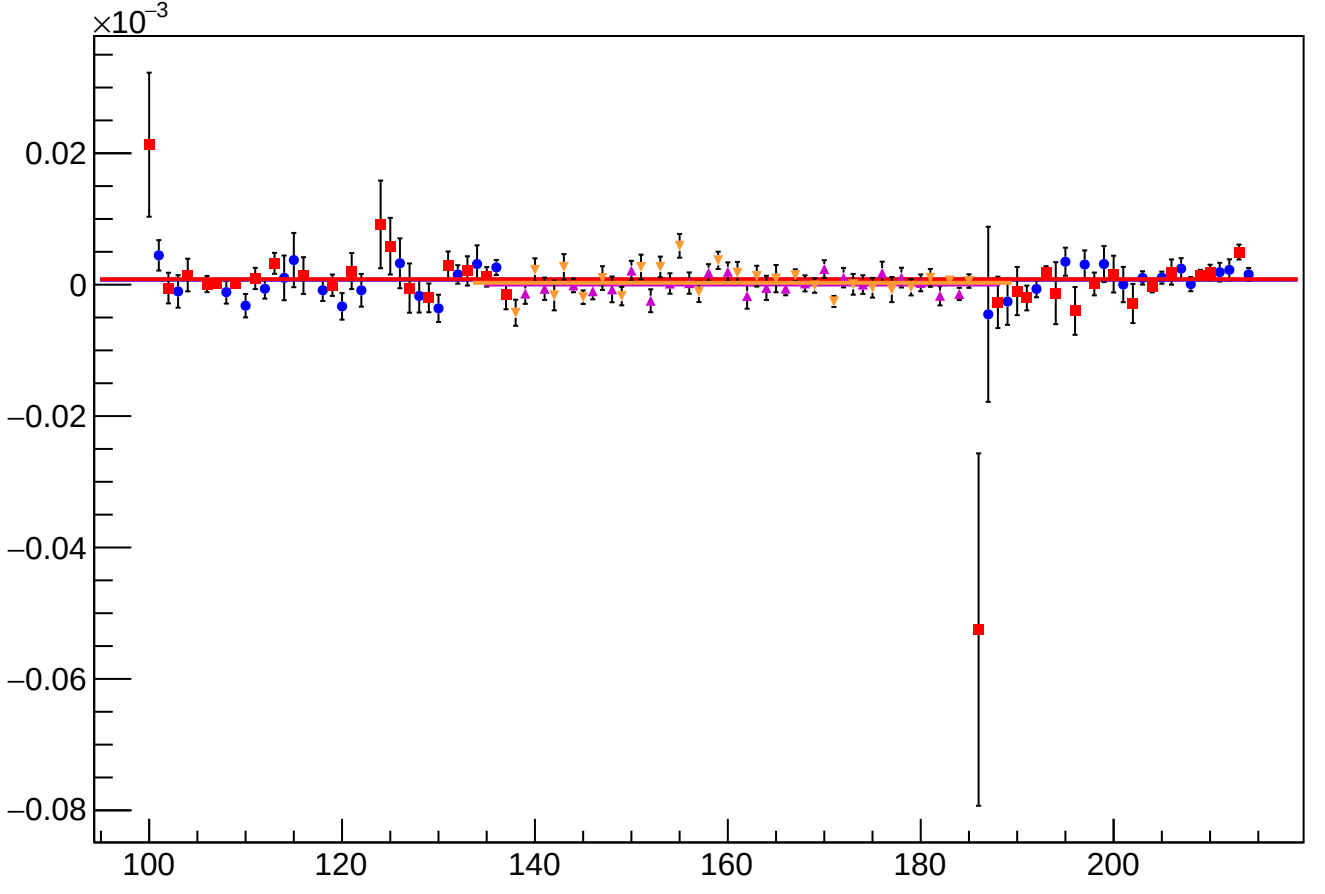
Right Out: 25.584+/-0.005 χ^2/NDF: 4569061.8/33

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.259+/-0.003 χ^2/NDF: 10111905.5/54

All: 22.423+/-0.002 χ^2/NDF: 19964931.3/111

- sign 22.597+/-0.003 χ^2/NDF: 9846417.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 35.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

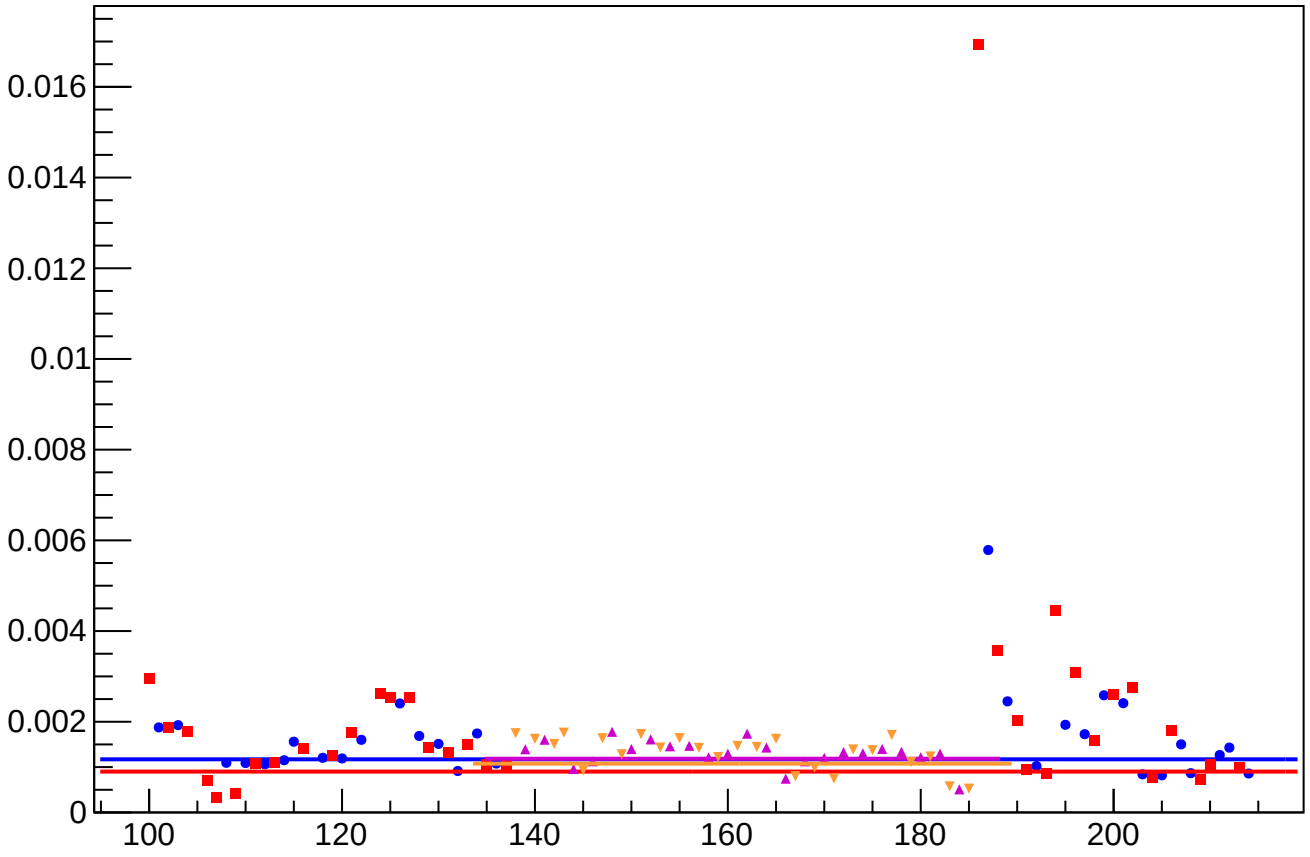
Right Out: 0.000+/-0.000 χ^2/NDF: 45.0/33

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.2/54

All: 0.000+/-0.000 χ^2/NDF: 158.4/111

- sign 0.000+/-0.000 χ^2/NDF: 69.2/56



Right In: 0.001+/-0.000 χ^2/NDF: 3861654.0/29

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

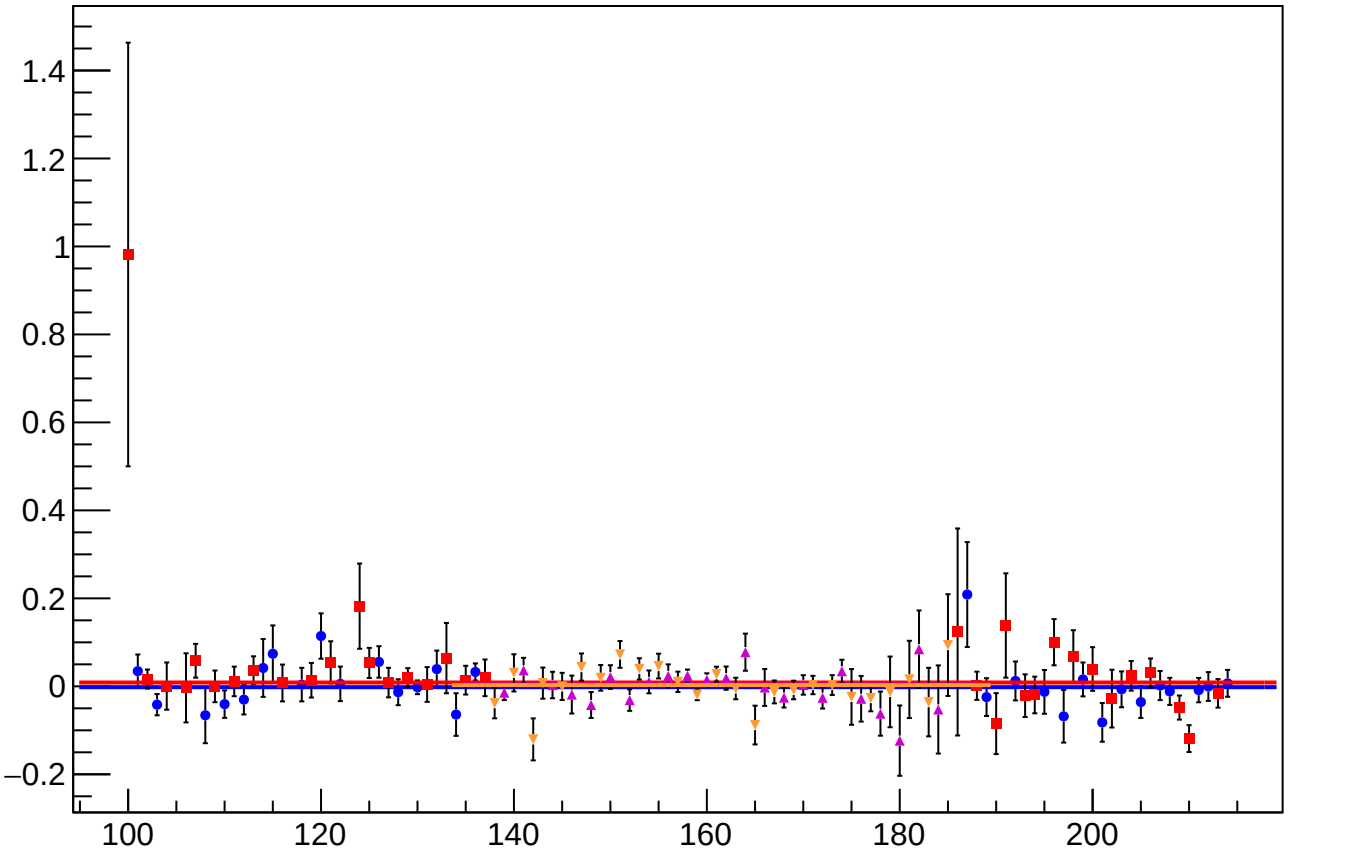
Right Out: 0.001+/-0.000 χ^2/NDF: 11183920.4/33

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8520469.0/54

All: 0.001+/-0.000 χ^2/NDF: 23473903.1/111

- sign 0.001+/-0.000 χ^2/NDF: 14726296.9/56



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/29

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

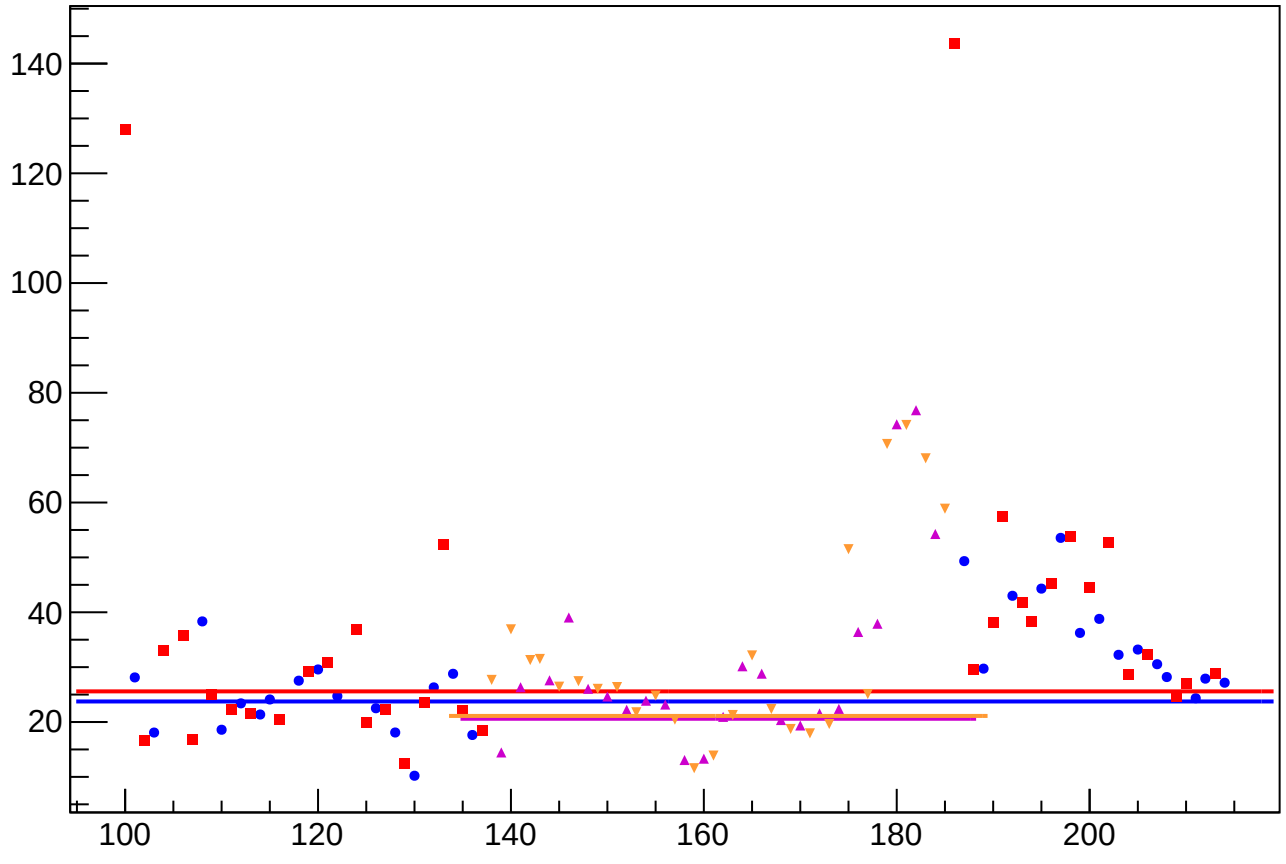
Right Out: 0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.9/54

All: 0.003+/-0.003 χ^2/NDF: 135.8/111

- sign 0.006+/-0.004 χ^2/NDF: 70.2/56



Right In: 23.745+/-0.004 χ^2/NDF: 4361072.8/29

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

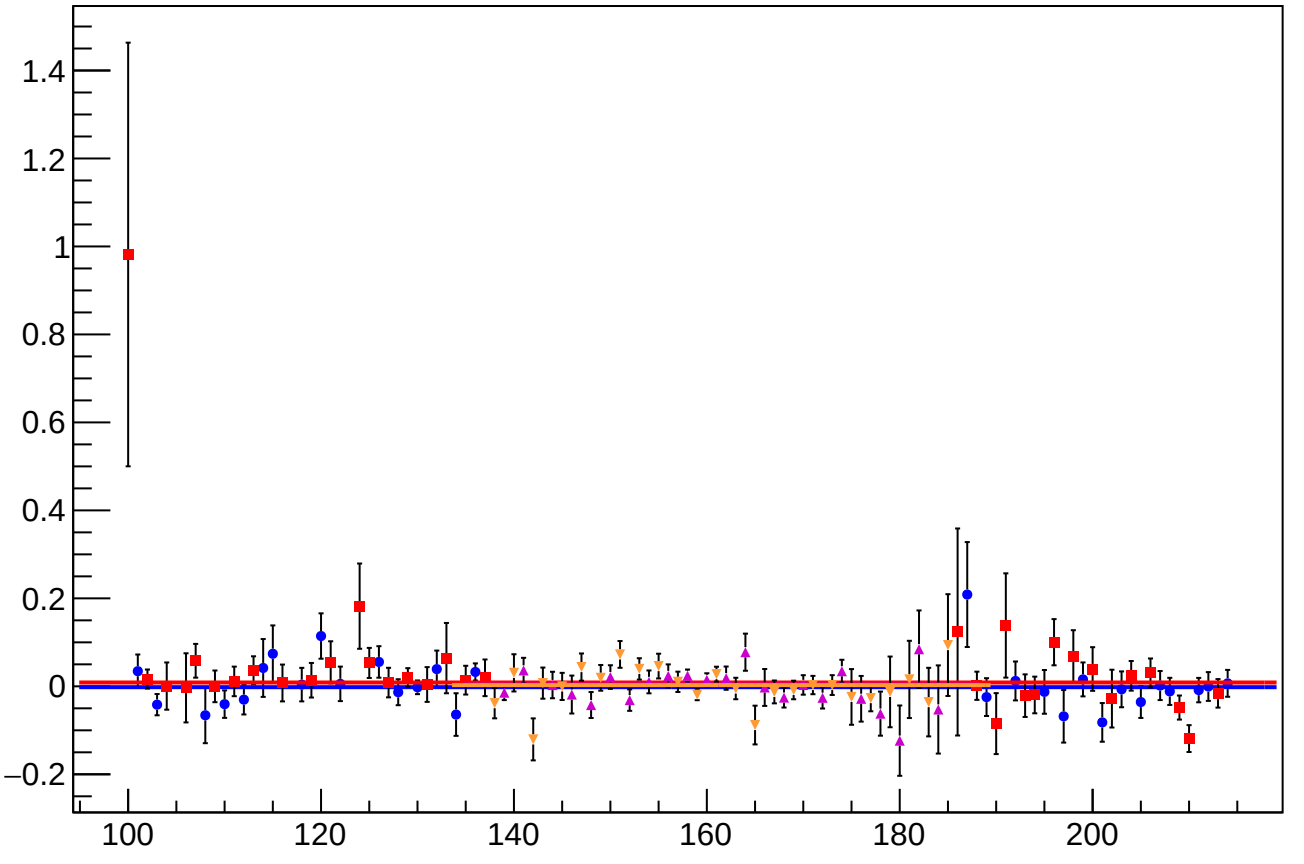
Right Out: 25.584+/-0.005 χ^2/NDF: 4569027.1/33

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

\+ sign 22.260+/-0.003 χ^2/NDF: 10111796.4/54

All: 22.424+/-0.002 χ^2/NDF: 19964754.6/111

\- sign 22.597+/-0.003 χ^2/NDF: 9846349.3/56



Right In: -0.002+/-0.006 χ^2/NDF: 31.7/29

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

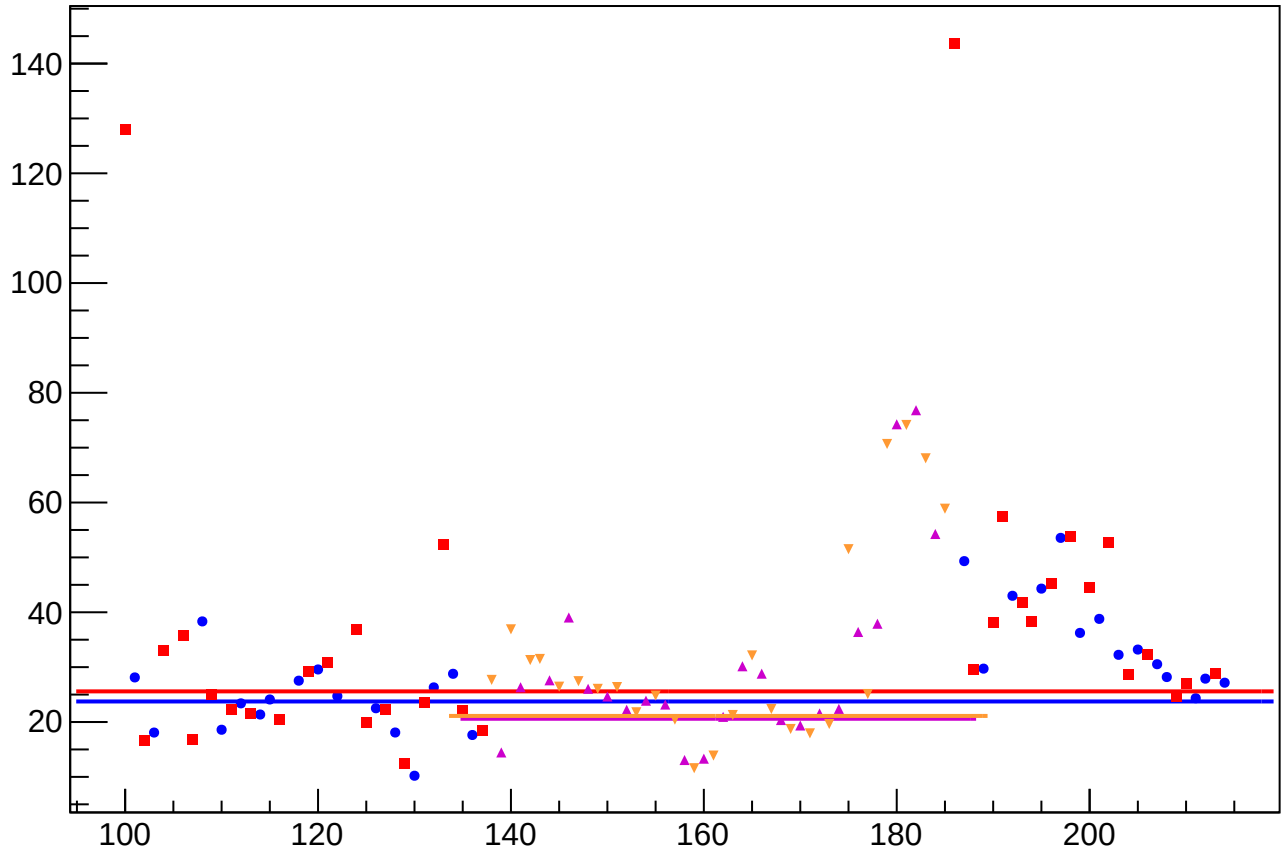
Right Out: 0.009+/-0.007 χ^2/NDF: 45.3/33

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.9/54

All: 0.003+/-0.003 χ^2/NDF: 135.8/111

- sign 0.006+/-0.004 χ^2/NDF: 70.2/56



Right In: 23.745+/-0.004 χ^2/NDF: 4361072.8/29

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

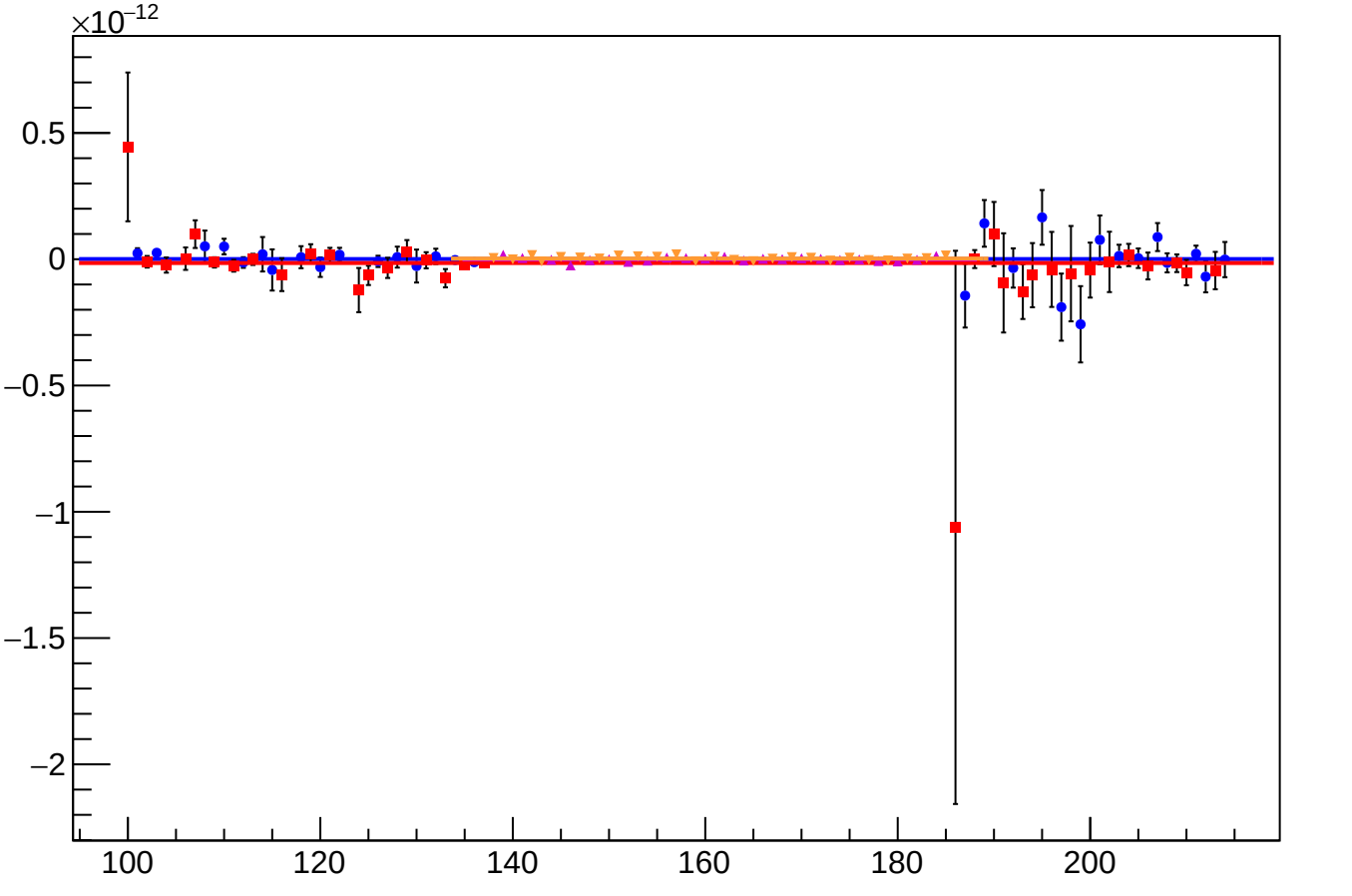
Right Out: 25.584+/-0.005 χ^2/NDF: 4569027.1/33

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.260+/-0.003 χ^2/NDF: 10111796.4/54

All: 22.424+/-0.002 χ^2/NDF: 19964754.6/111

- sign 22.597+/-0.003 χ^2/NDF: 9846349.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

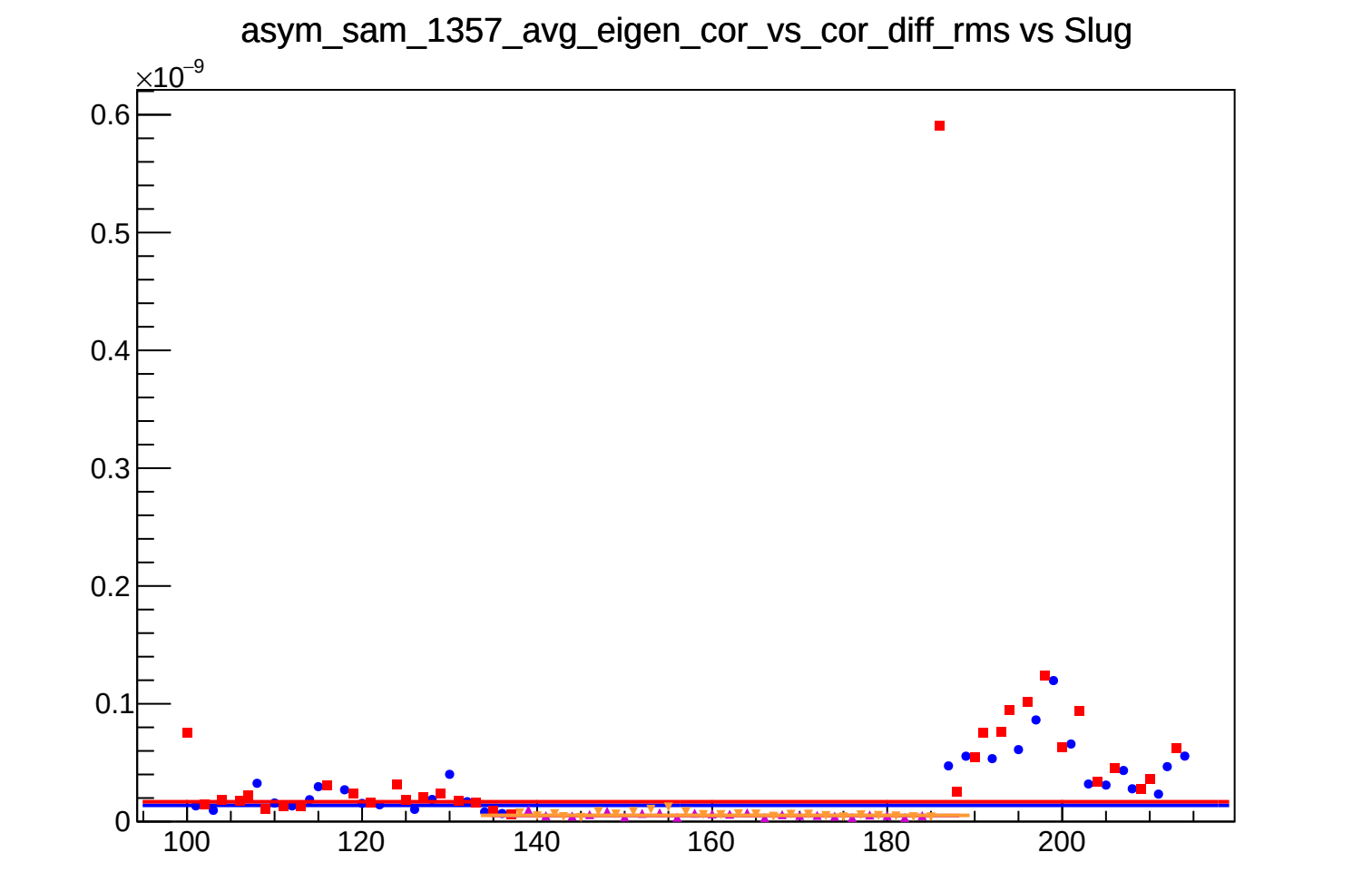
Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/33

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.4/54

All: 0.000+/-0.000 χ^2/NDF: 100.1/111

- sign -0.000+/-0.000 χ^2/NDF: 48.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 9068908.4/29

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8898439.5/33

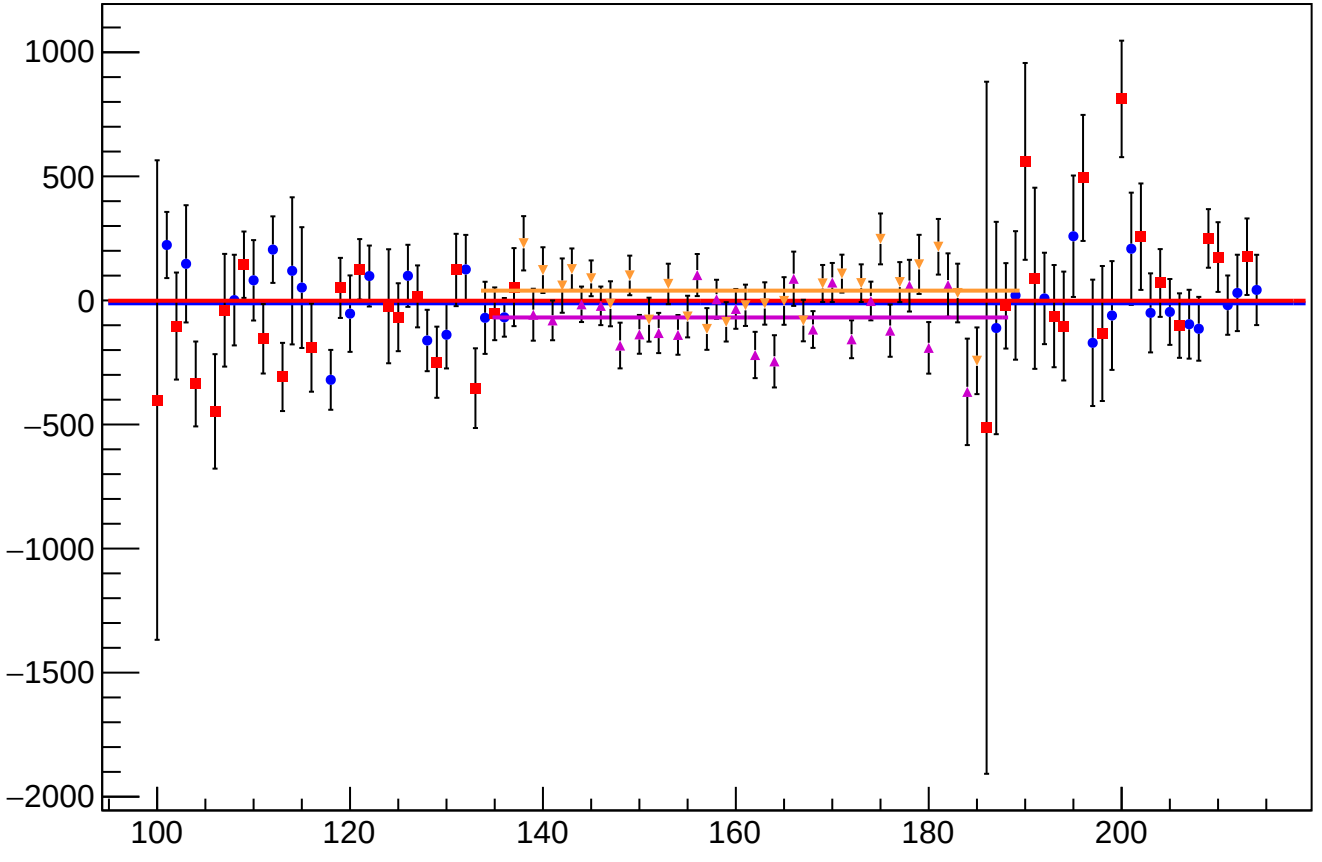
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15973421.6/54

All: 0.000+/-0.000 χ^2/NDF: 33604754.9/111

- sign 0.000+/-0.000 χ^2/NDF: 17621549.8/56

reg_asym_sam_2468_avg_mean vs Slug



Right In: -11.610+/-27.280 χ^2/NDF: 23.0/29

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -1.220+/-28.167 χ^2/NDF: 55.2/33

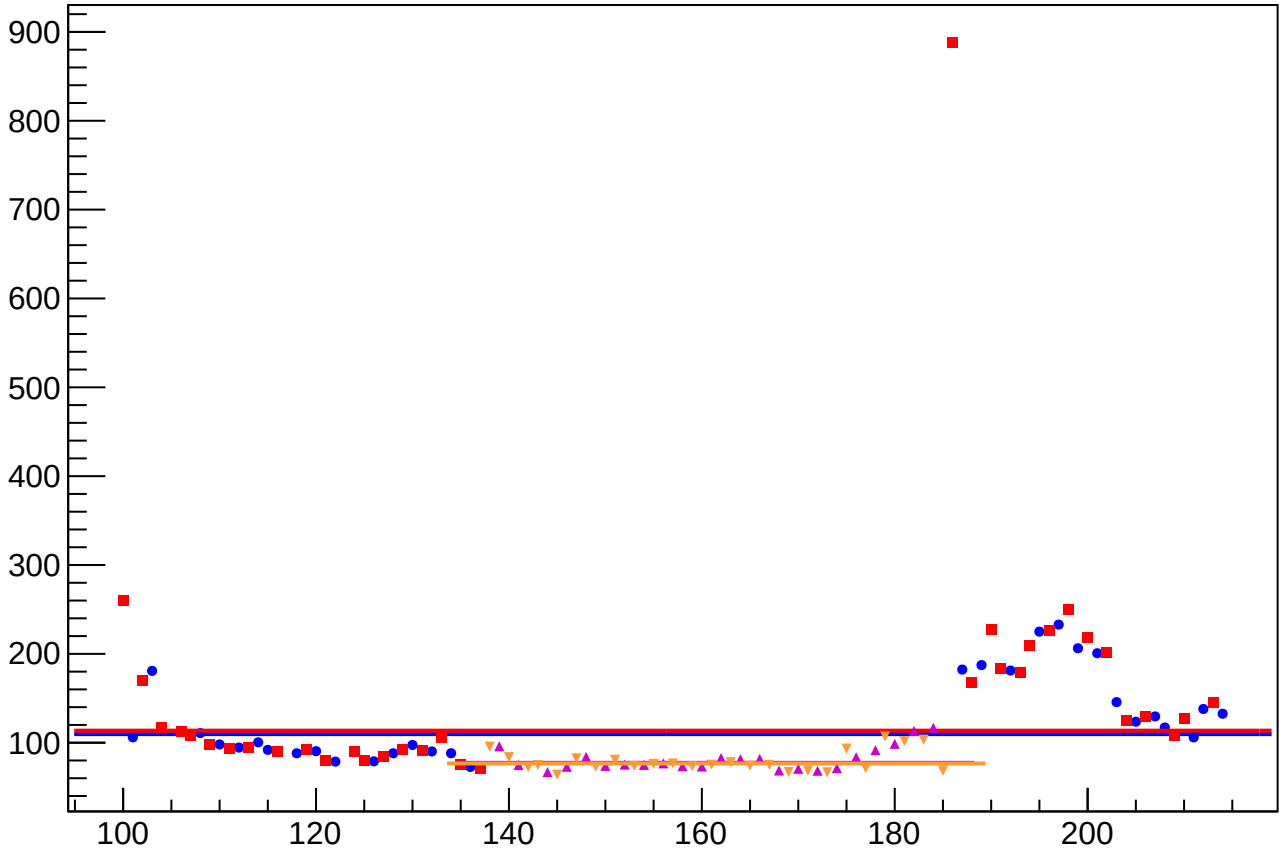
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.383+/-14.828 χ^2/NDF: 57.4/54

All: -10.828+/-10.667 χ^2/NDF: 157.3/111

- sign -48.588+/-15.356 χ^2/NDF: 88.2/56

reg_asym_sam_2468_avg_rms vs Slug



Right In: 109.663+/-0.019 χ^2/NDF: 3643145.6/29

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

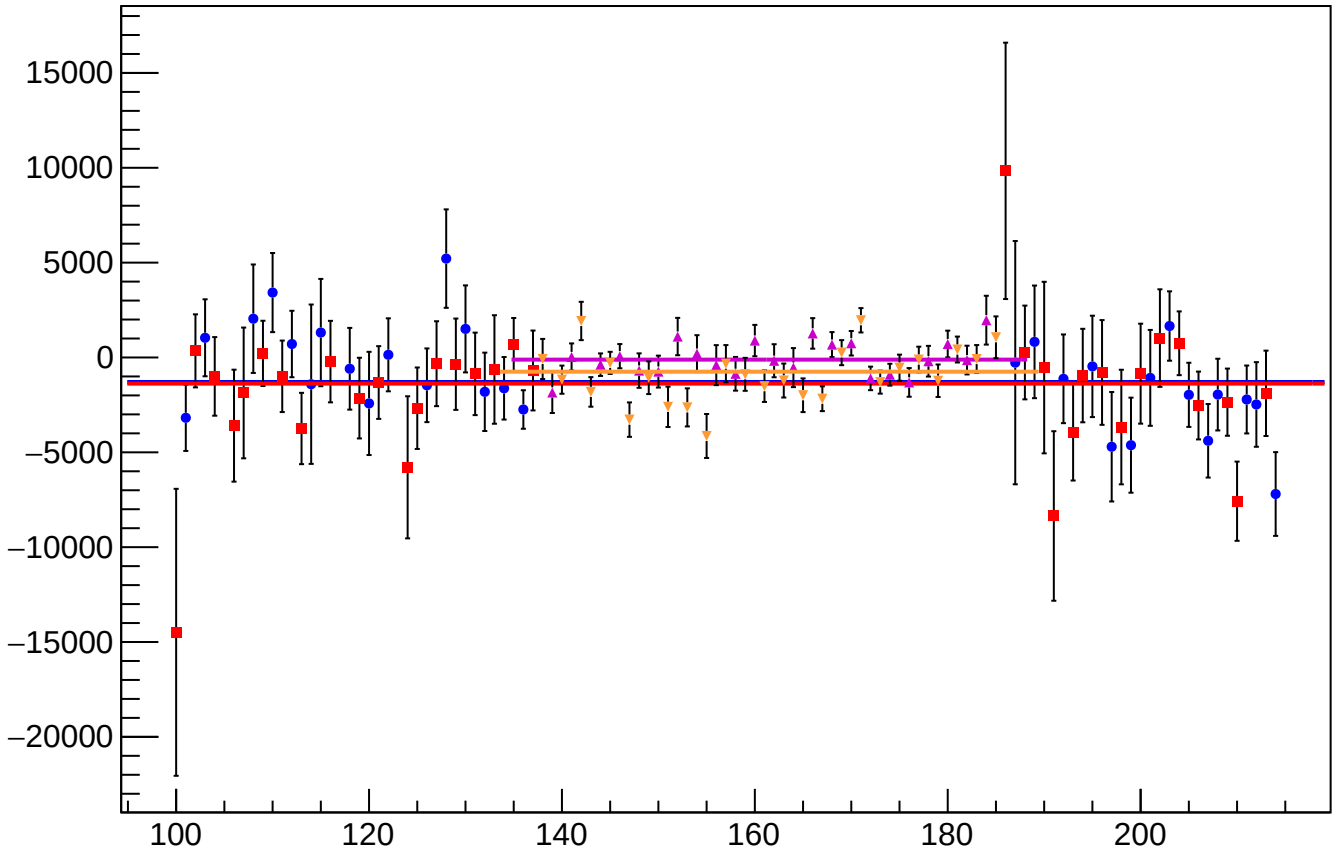
Right Out: 113.577+/-0.020 χ^2/NDF: 4722184.0/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.401+/-0.010 χ^2/NDF: 6361703.3/54

All: 87.229+/-0.008 χ^2/NDF: 14012545.7/111

- sign 88.116+/-0.011 χ^2/NDF: 7637940.6/56



Right In: -1292.223+/-377.018 χ^2/NDF: 38.8/29

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1377.669+/-388.950 χ^2/NDF: 31.3/33

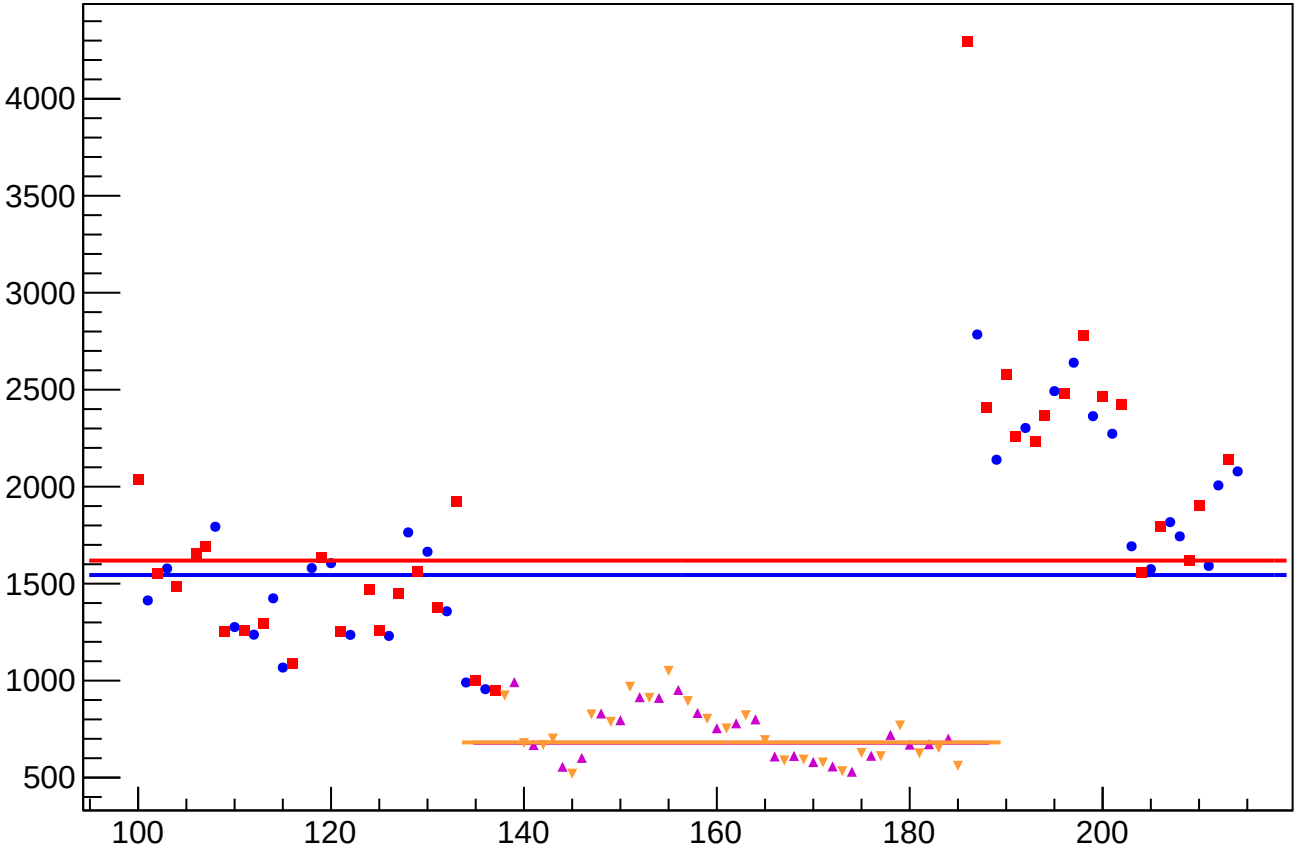
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -830.768+/-145.785 χ^2/NDF: 110.6/54

All: -572.007+/-104.339 χ^2/NDF: 182.4/111

- sign -300.264+/-149.397 χ^2/NDF: 65.3/56

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1544.445+/-0.267 χ^2/NDF: 2783835.0/29

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1618.944+/-0.275 χ^2/NDF: 3152239.7/33

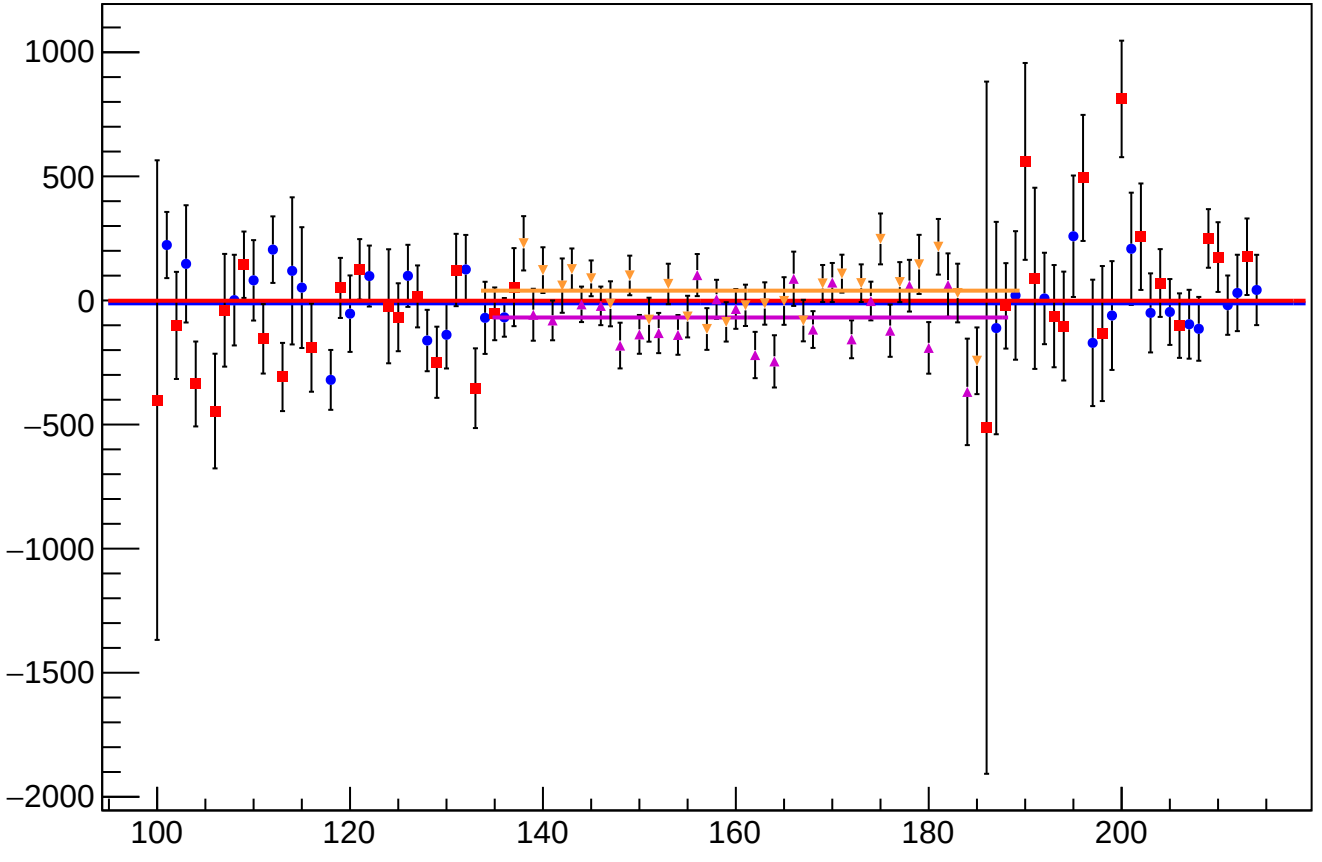
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 810.465+/-0.103 χ^2/NDF: 13030750.6/54

All: 814.153+/-0.074 χ^2/NDF: 27318986.8/11

- sign 818.027+/-0.106 χ^2/NDF: 14285611.5/56

cor_asym_sam_2468_avg_mean vs Slug



Right In: -11.619+/-27.280 χ^2/NDF: 23.0/29

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -1.126+/-28.168 χ^2/NDF: 55.2/33

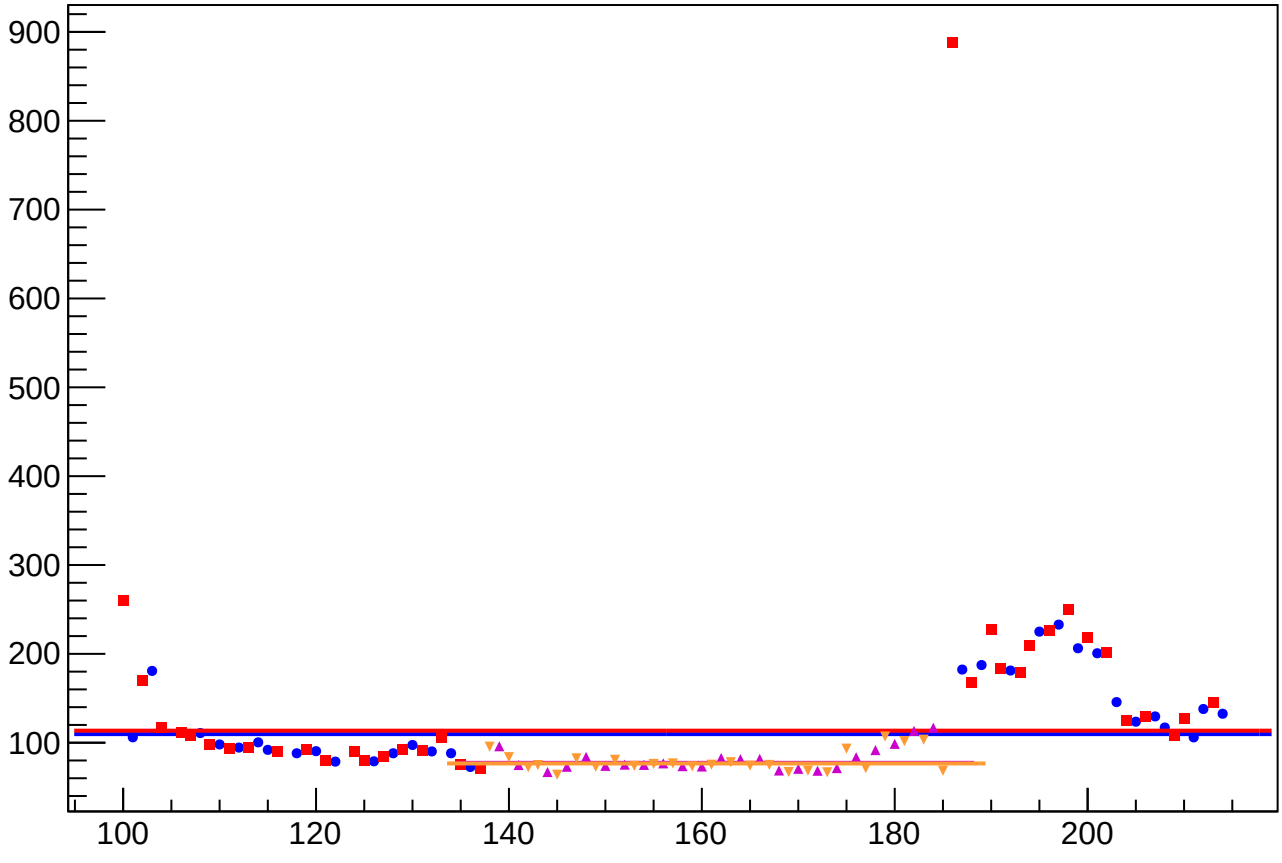
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.385+/-14.828 χ^2/NDF: 57.4/54

All: -10.814+/-10.667 χ^2/NDF: 157.3/111

- sign -48.561+/-15.356 χ^2/NDF: 88.2/56

cor_asym_sam_2468_avg_rms vs Slug



Right In: 109.663+/-0.019 χ^2/NDF: 3643149.1/29

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

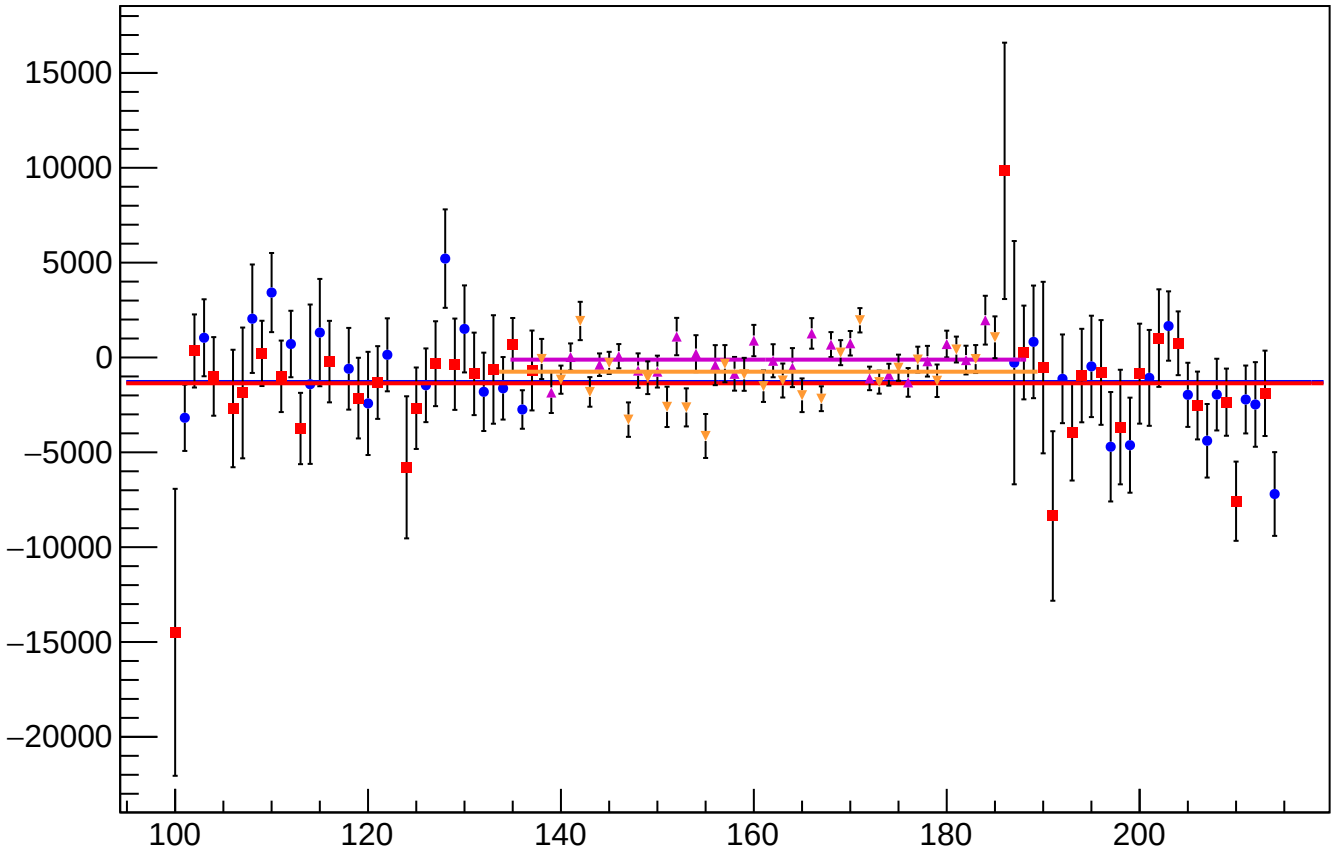
Right Out: 113.558+/-0.020 χ^2/NDF: 4722573.9/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.401+/-0.010 χ^2/NDF: 6361706.8/54

All: 87.226+/-0.008 χ^2/NDF: 14010265.2/111

- sign 88.110+/-0.011 χ^2/NDF: 7635750.5/56



Right In: -1292.205+/-377.019 χ^2/NDF: 38.8/29

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1360.187+/-389.271 χ^2/NDF: 30.9/33

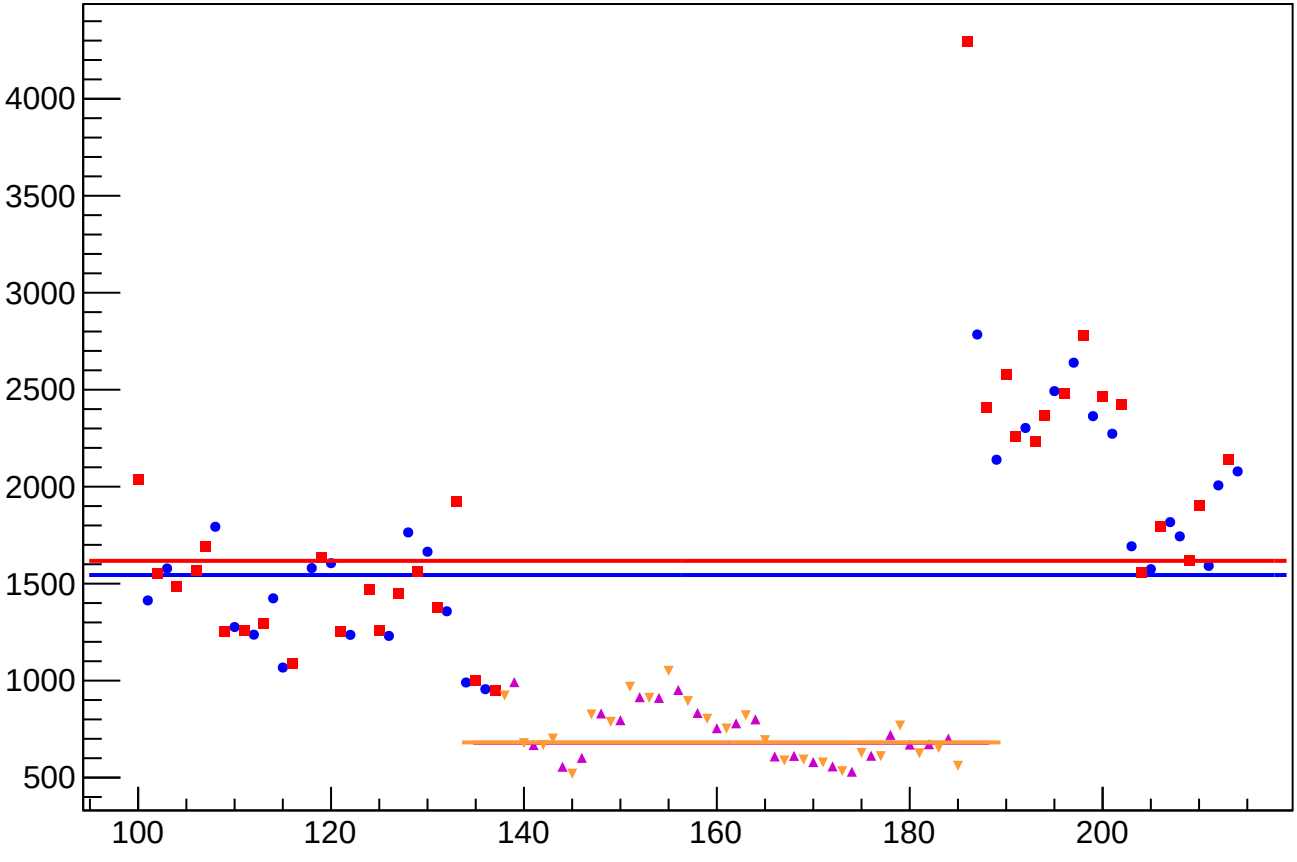
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -830.757+/-145.785 χ^2/NDF: 110.6/54

All: -570.650+/-104.345 χ^2/NDF: 181.8/111

- sign -297.427+/-149.415 χ^2/NDF: 64.7/56

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1544.448+/-0.267 χ^2/NDF: 2783843.9/29

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1617.566+/-0.275 χ^2/NDF: 3152364.2/33

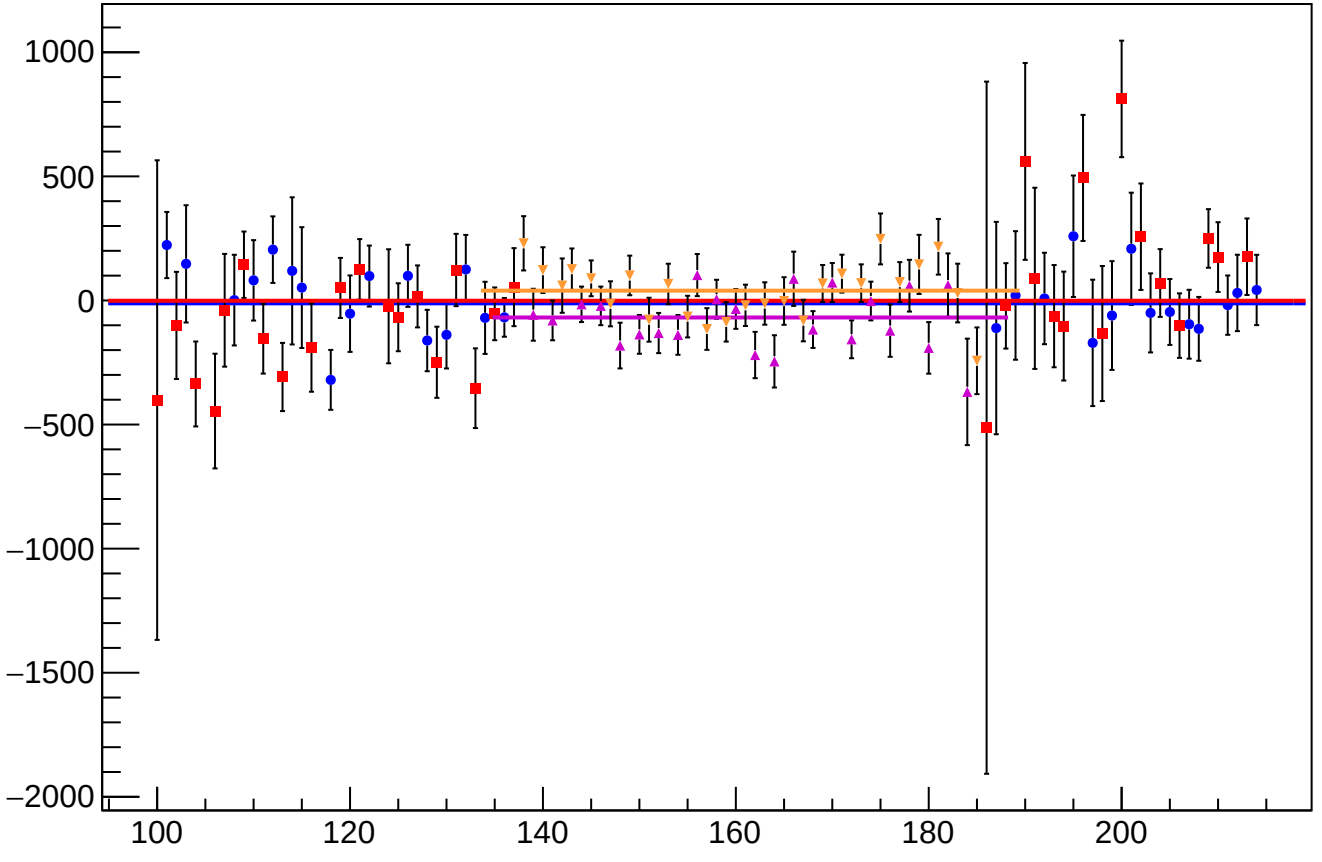
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 810.465+/-0.103 χ^2/NDF: 13030798.3/54

All: 813.959+/-0.074 χ^2/NDF: 27275775.8/11

- sign 817.629+/-0.106 χ^2/NDF: 14242621.7/56

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -11.619+/-27.280 χ^2/NDF: 23.0/29

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -1.126+/-28.168 χ^2/NDF: 55.2/33

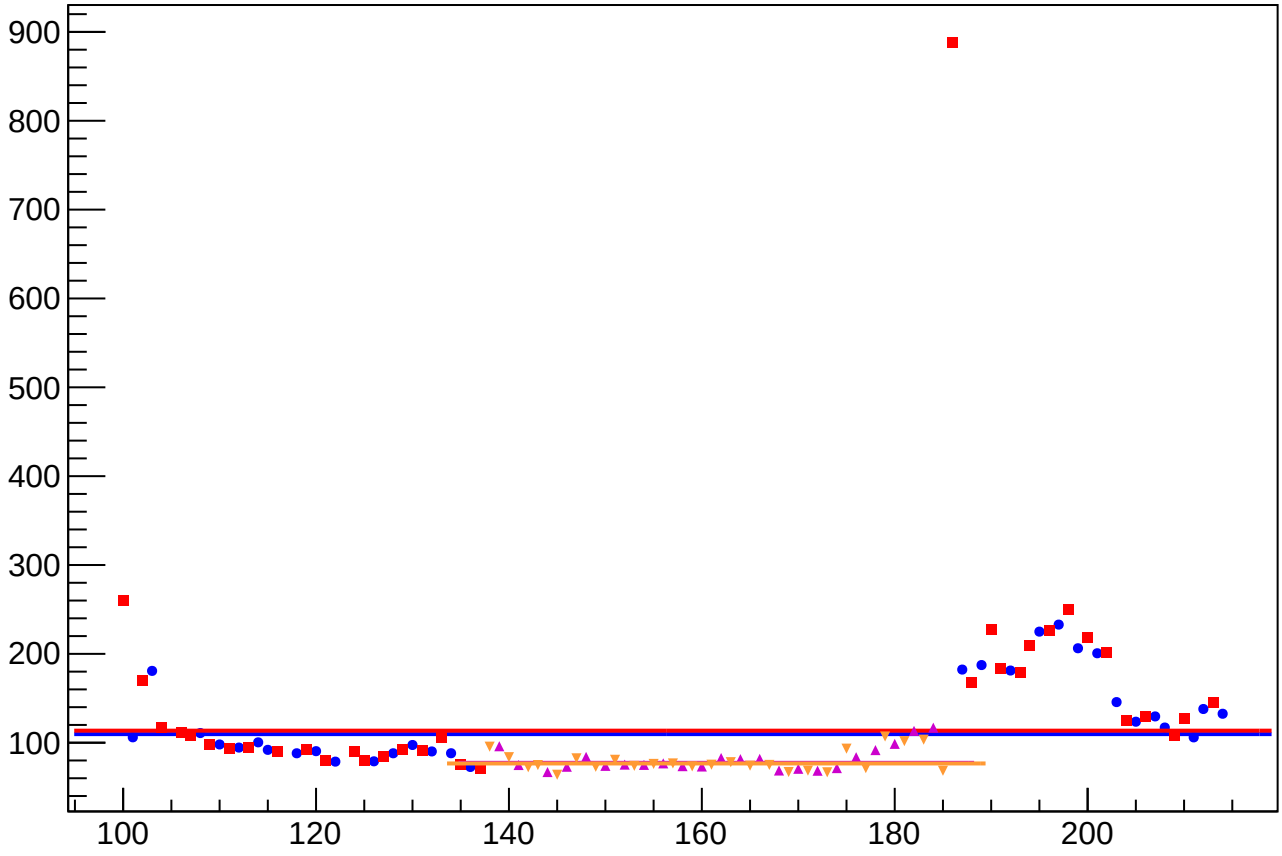
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 24.385+/-14.828 χ^2/NDF: 57.4/54

All: -10.814+/-10.667 χ^2/NDF: 157.3/111

- sign -48.561+/-15.356 χ^2/NDF: 88.2/56

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 109.663+/-0.019 χ^2/NDF: 3643149.1/29

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

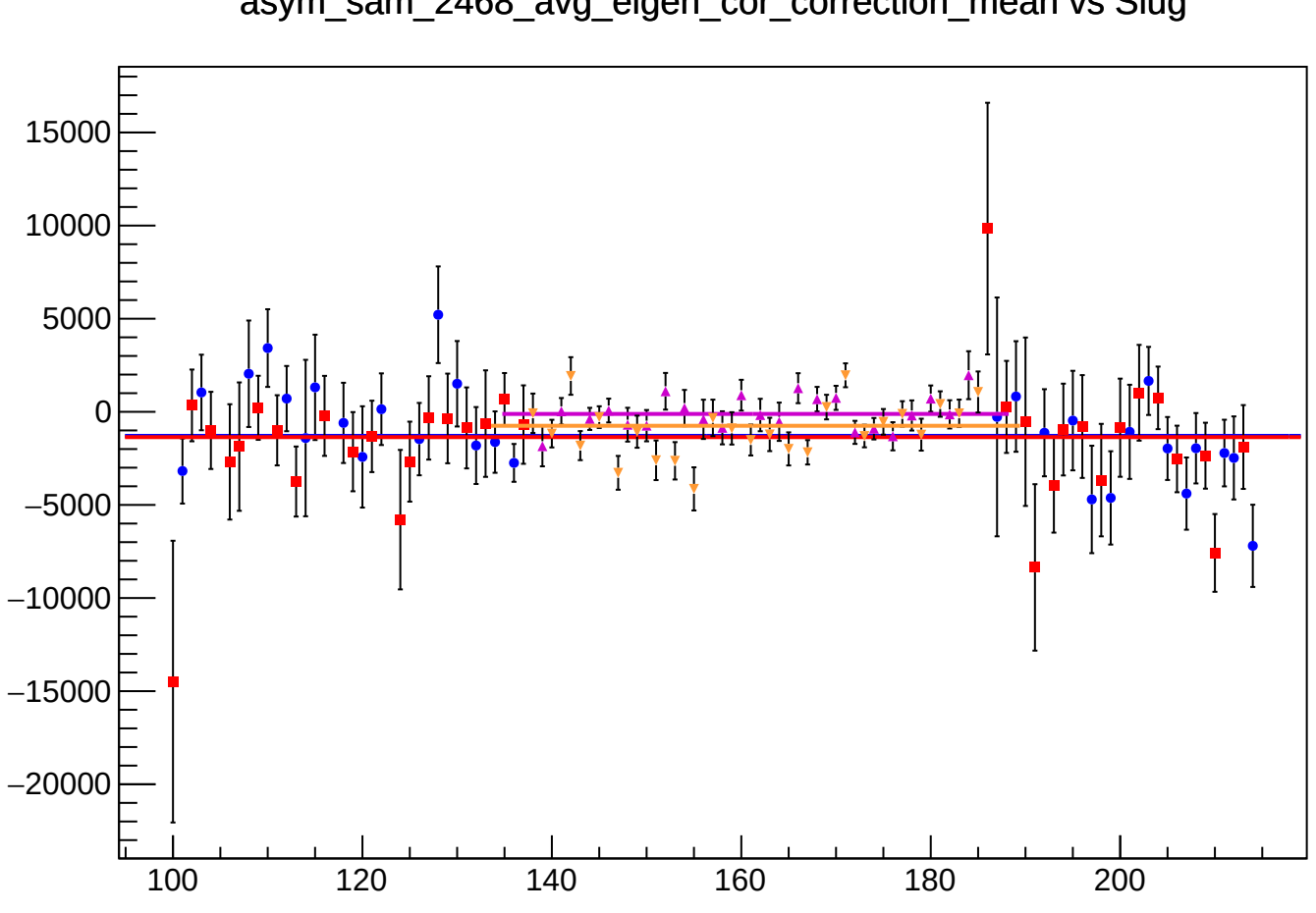
Right Out: 113.558+/-0.020 χ^2/NDF: 4722573.9/33

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 86.401+/-0.010 χ^2/NDF: 6361706.8/54

All: 87.226+/-0.008 χ^2/NDF: 14010265.2/111

- sign 88.110+/-0.011 χ^2/NDF: 7635750.5/56



Right In: -1292.205+/-377.019 χ^2/NDF: 38.8/29

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

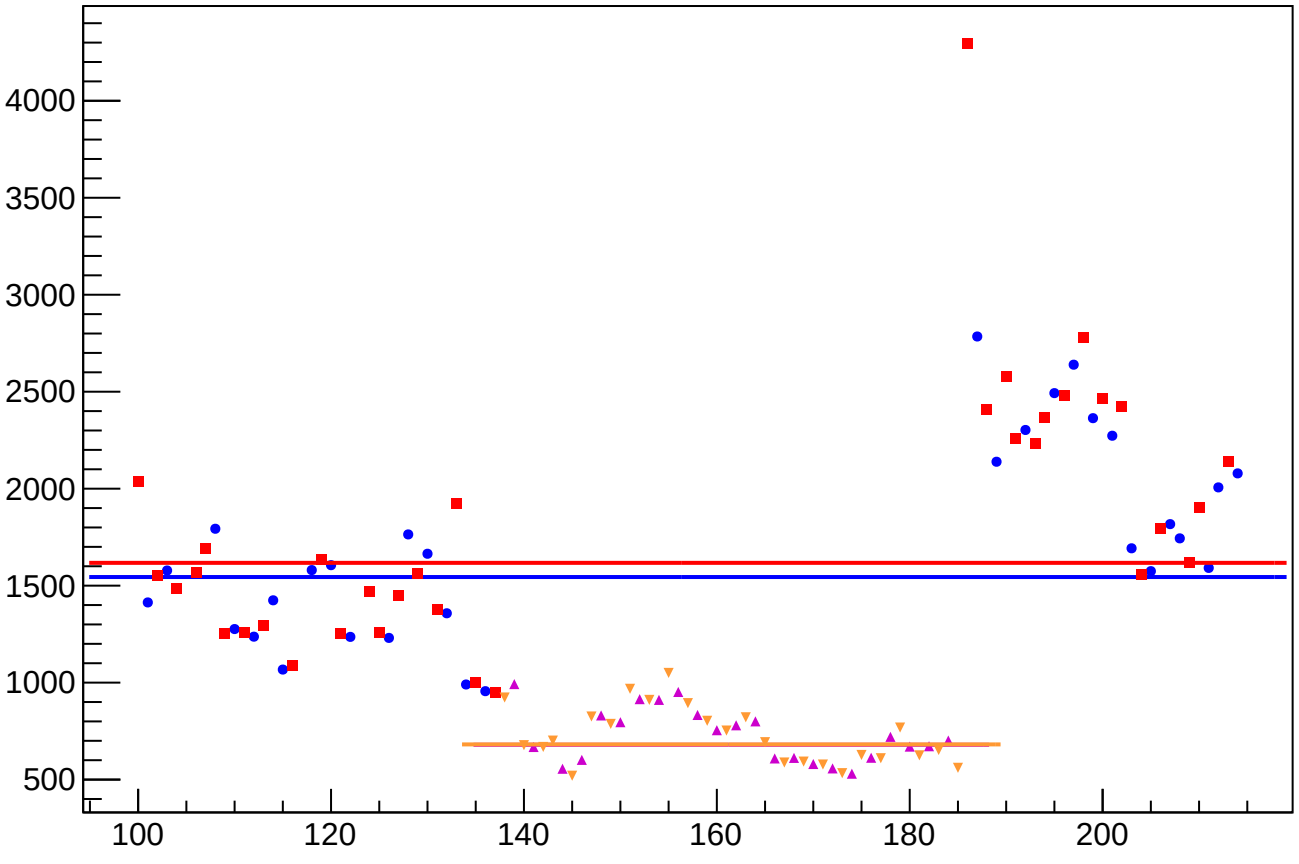
Right Out: -1360.187+/-389.271 χ^2/NDF: 30.9/33

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -830.757+/-145.785 χ^2/NDF: 110.6/54

All: -570.650+/-104.345 χ^2/NDF: 181.8/111

- sign -297.427+/-149.415 χ^2/NDF: 64.7/56



Right In: 1544.448+/-0.267 χ^2/NDF: 2783843.9/29

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1617.566+/-0.275 χ^2/NDF: 3152364.2/33

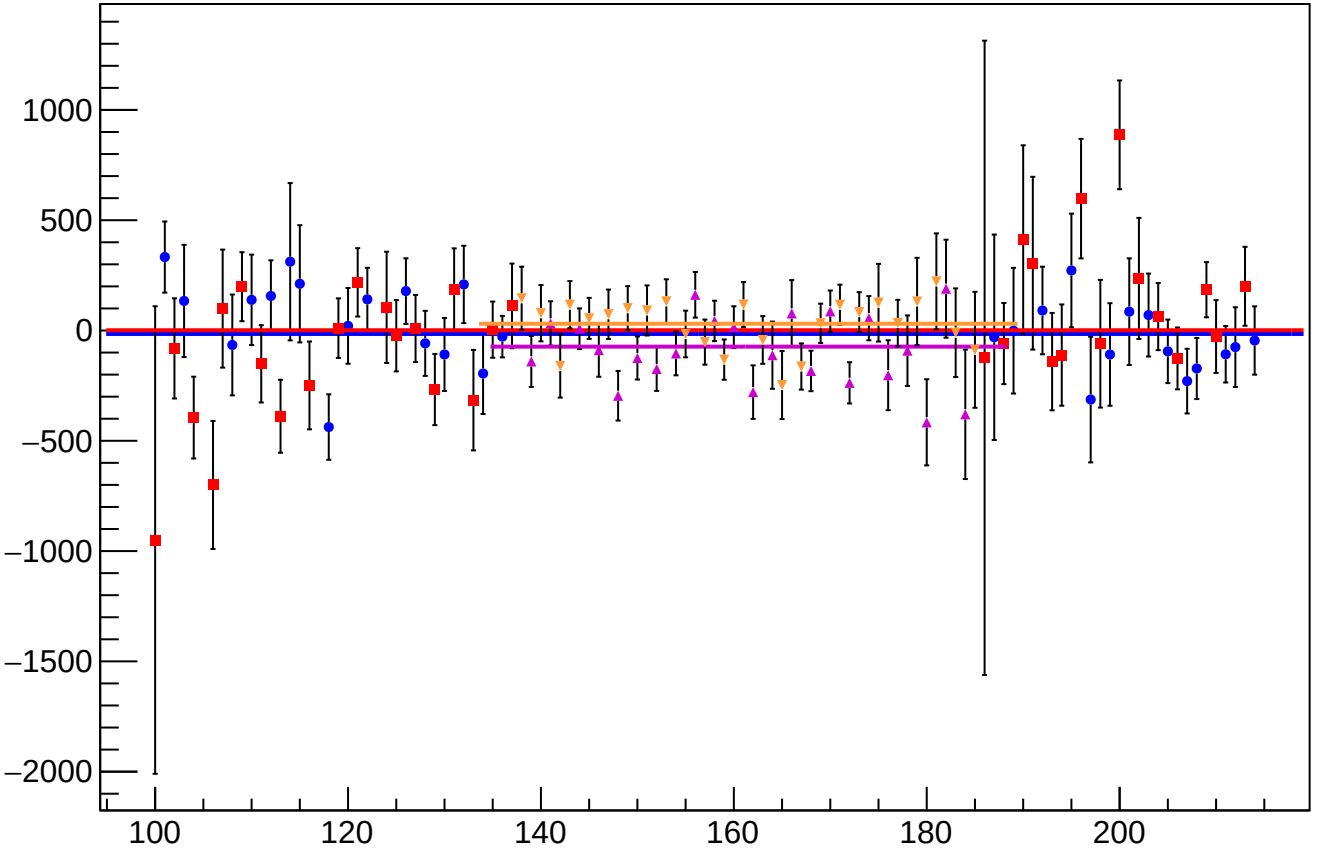
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 810.465+/-0.103 χ^2/NDF: 13030798.3/54

All: 813.959+/-0.074 χ^2/NDF: 27275775.8/11

- sign 817.629+/-0.106 χ^2/NDF: 14242621.7/56

dit_asym_sam_2468_avg_mean vs Slug



Right In: -15.636+/-31.587 χ^2/NDF: 29.9/29

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 1.167+/-32.573 χ^2/NDF: 54.4/33

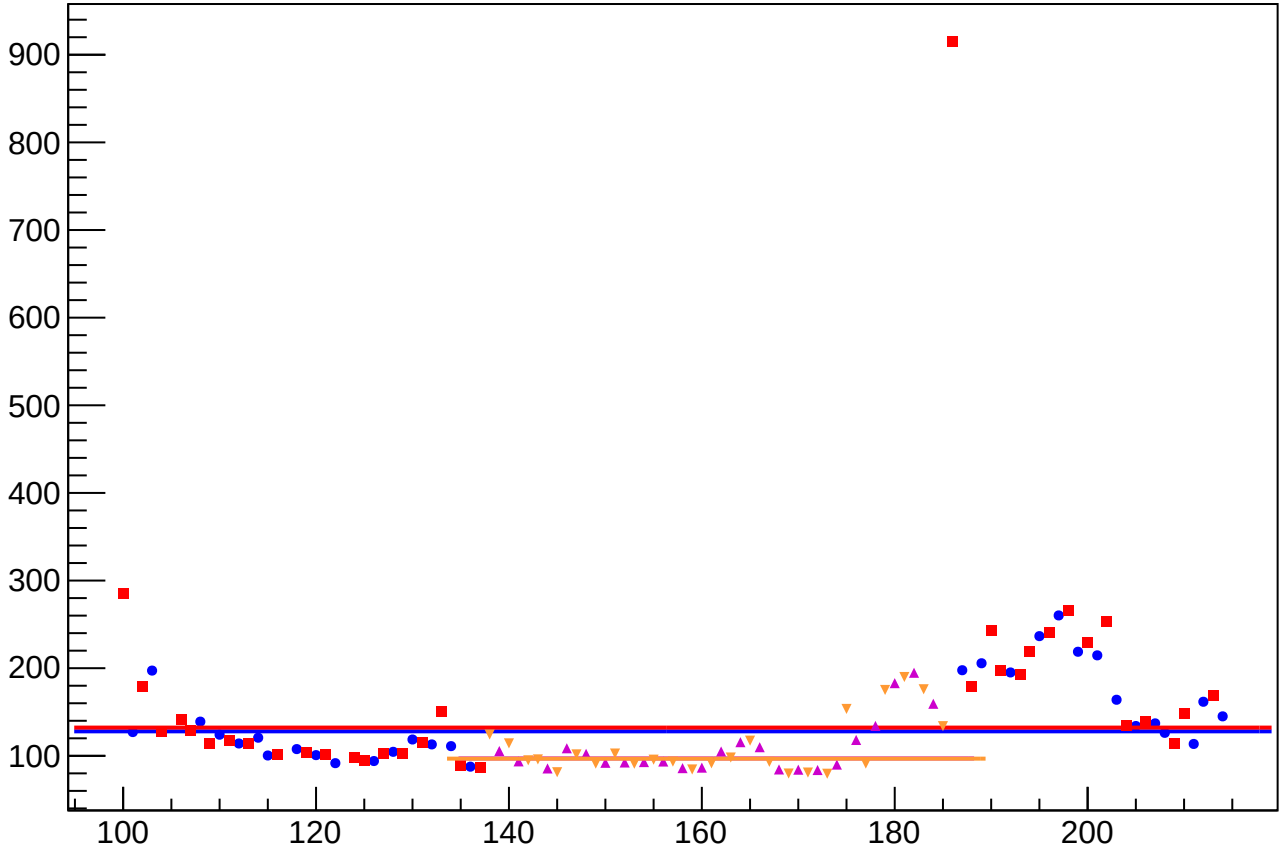
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 14.766+/-18.517 χ^2/NDF: 51.3/54

All: -15.555+/-13.282 χ^2/NDF: 149.2/111

- sign -47.693+/-19.063 χ^2/NDF: 92.4/56

dit_asym_sam_2468_avg_rms vs Slug



Right In: 127.951+/-0.022 χ^2/NDF: 2943128.6/29

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 132.232+/-0.023 χ^2/NDF: 4018679.7/33

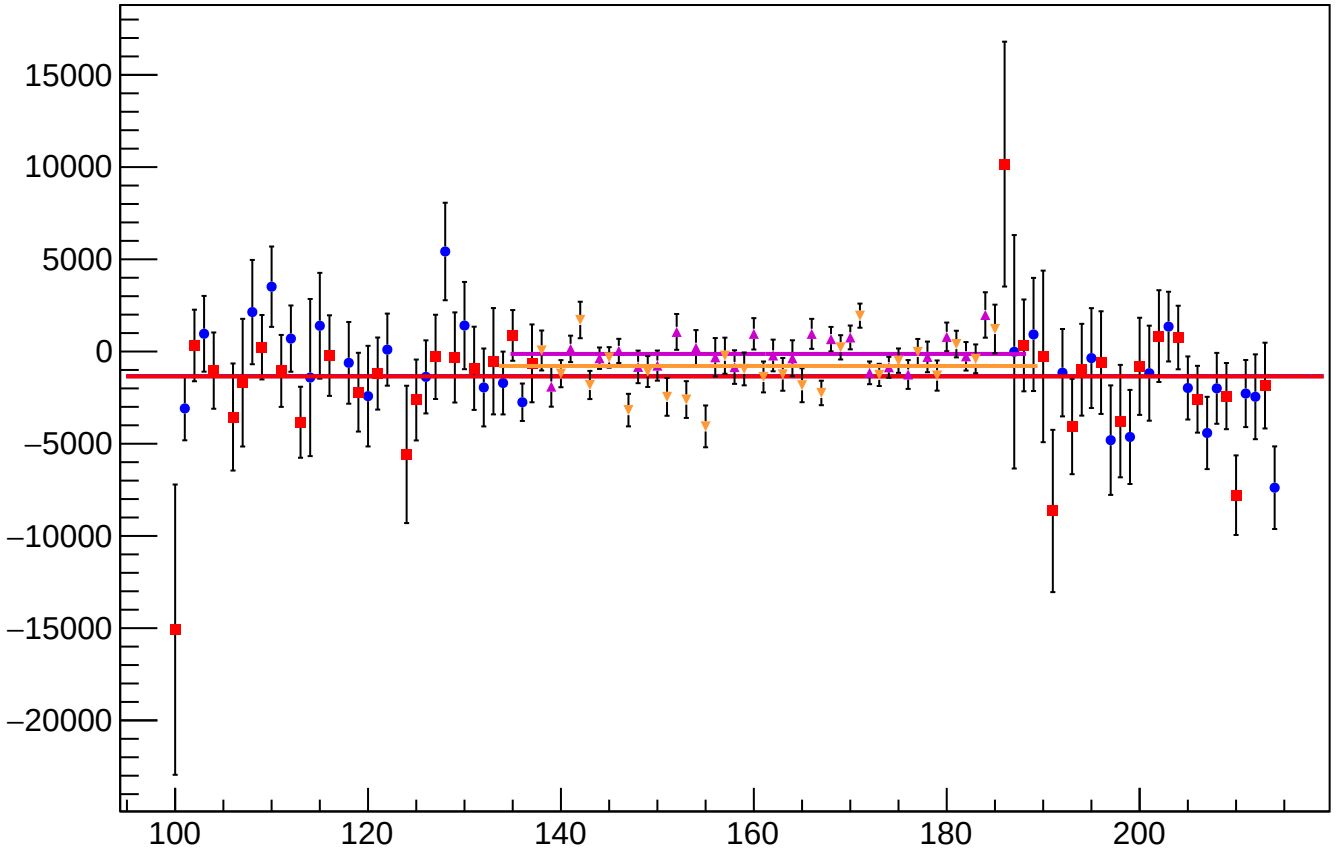
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 107.501+/-0.013 χ^2/NDF: 5940710.8/54

All: 108.267+/-0.009 χ^2/NDF: 12824569.8/11

- sign 109.079+/-0.013 χ^2/NDF: 6876813.6/56

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -1339.346+/-383.008 χ^2/NDF: 38.0/29

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1349.572+/-393.282 χ^2/NDF: 32.4/33

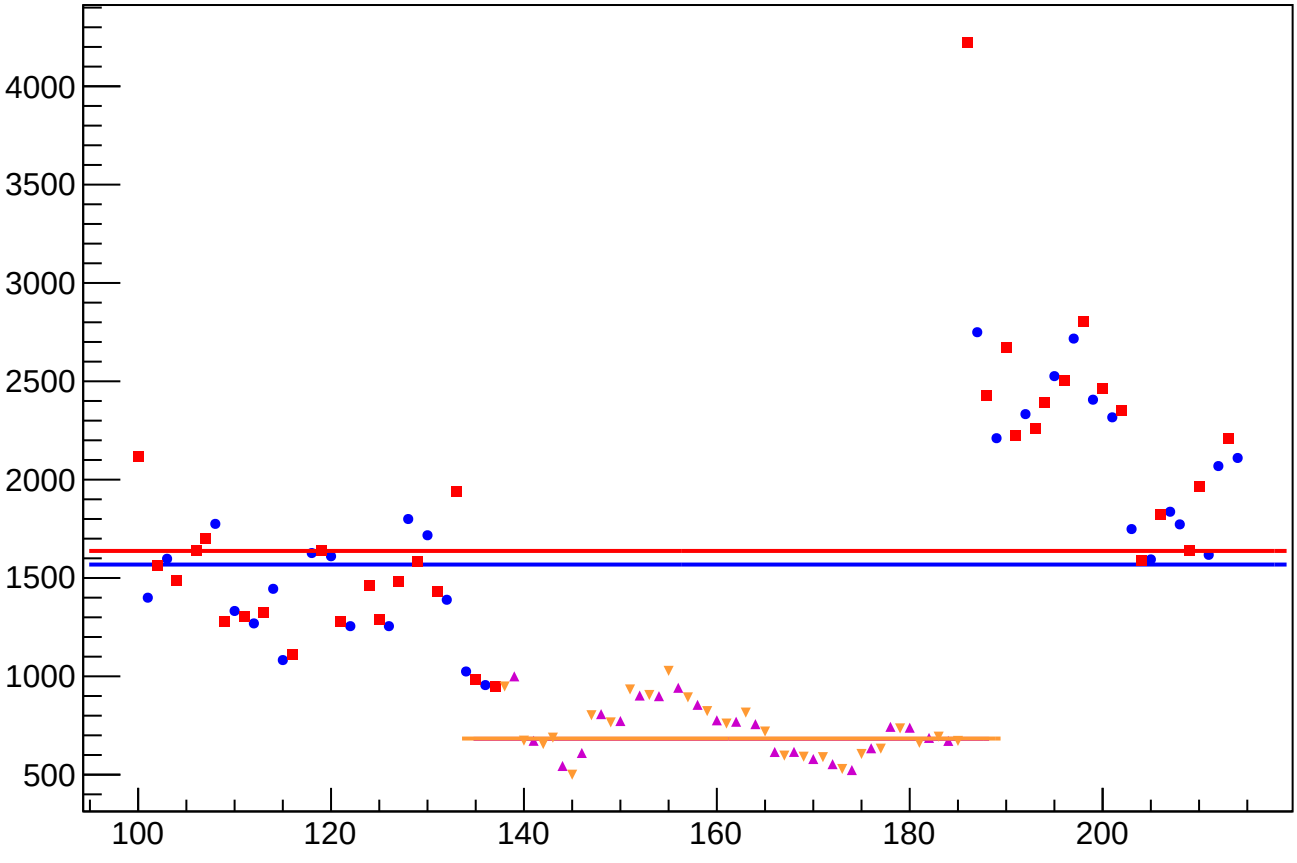
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -864.842+/-146.320 χ^2/NDF: 106.1/54

All: -593.964+/-104.779 χ^2/NDF: 178.0/111

- sign -308.859+/-150.113 χ^2/NDF: 64.9/56

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1568.294+/-0.271 χ^2/NDF: 2834490.1/29

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1637.528+/-0.278 χ^2/NDF: 3149479.2/33

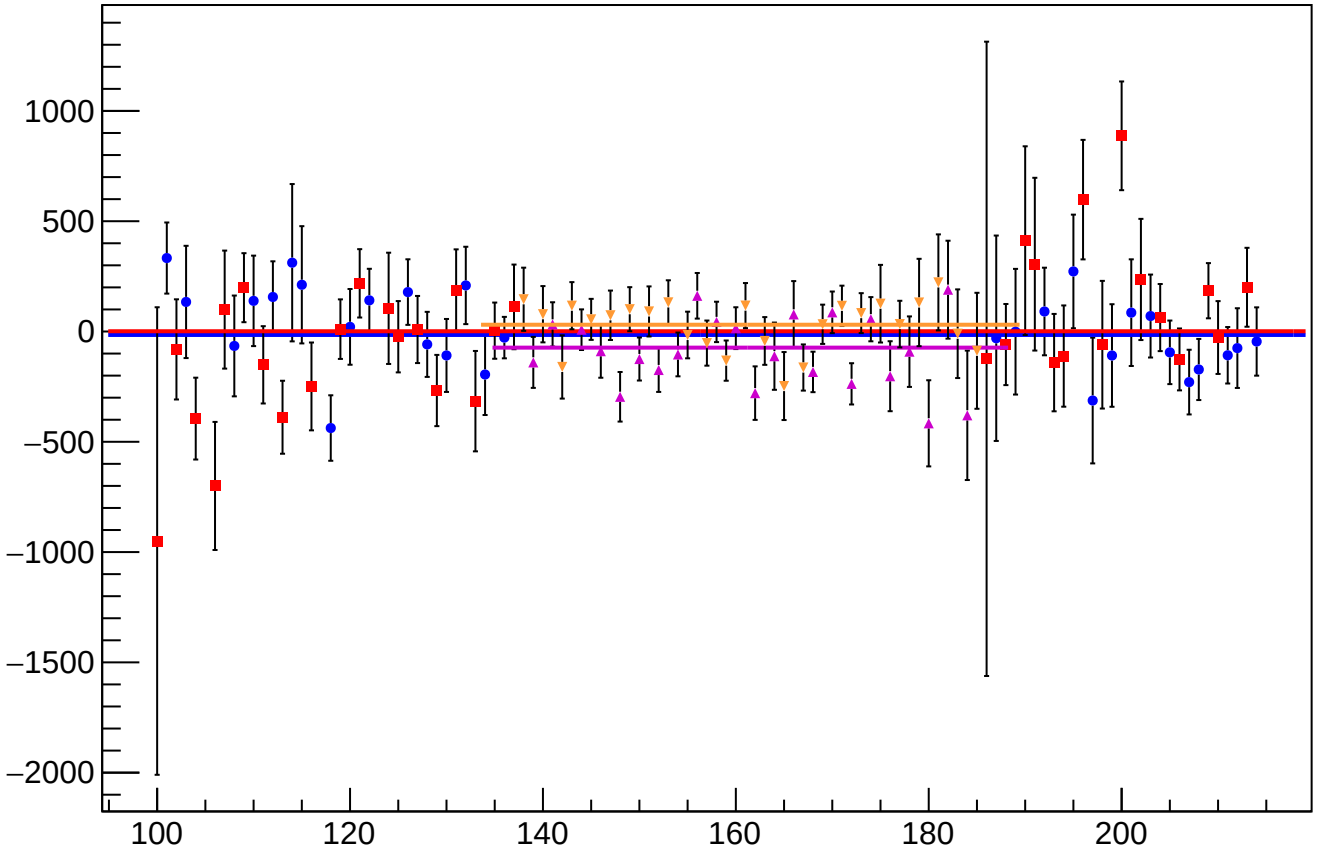
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

\+ sign 812.800+/-0.103 χ^2/NDF: 13243964.9/54

All: 816.882+/-0.074 χ^2/NDF: 27669717.9/11

\- sign 821.178+/-0.106 χ^2/NDF: 14422558.5/56

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -15.634+/-31.587 χ^2/NDF: 29.9/29

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 1.169+/-32.573 χ^2/NDF: 54.4/33

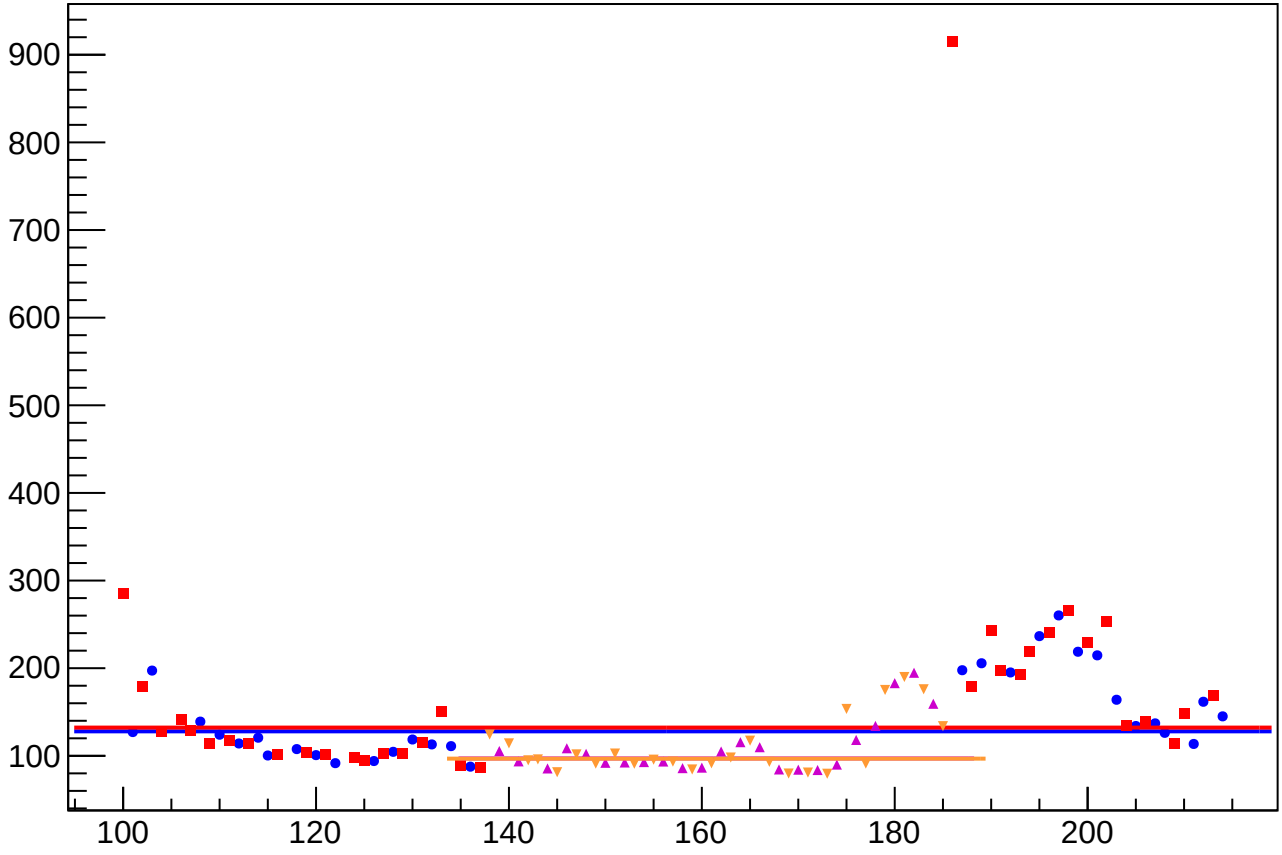
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 14.767+/-18.517 χ^2/NDF: 51.3/54

All: -15.554+/-13.282 χ^2/NDF: 149.2/111

- sign -47.692+/-19.063 χ^2/NDF: 92.4/56

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 127.950+/-0.022 χ^2/NDF: 2943146.2/29

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

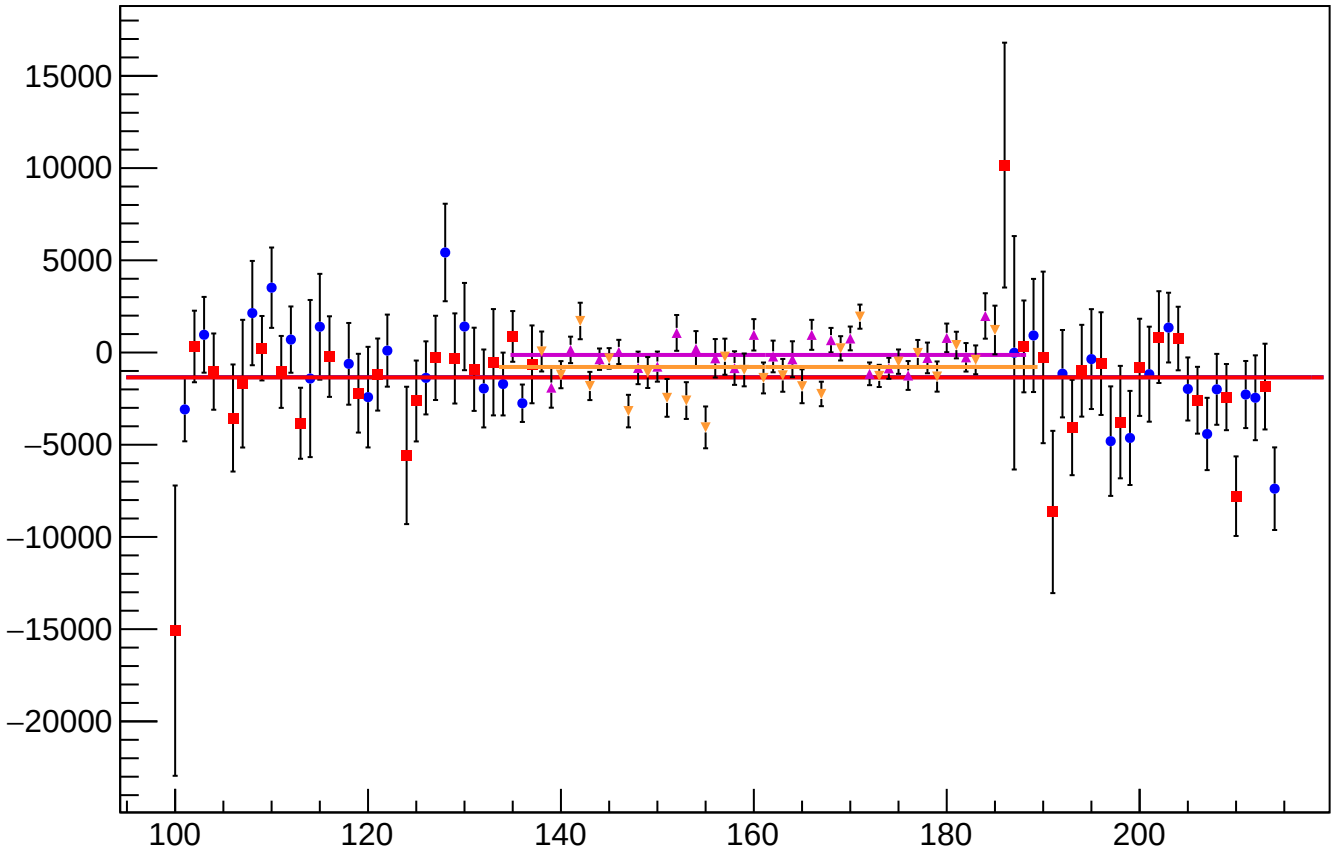
Right Out: 132.231+/-0.023 χ^2/NDF: 4018710.3/33

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 107.501+/-0.013 χ^2/NDF: 5940657.5/54

All: 108.267+/-0.009 χ^2/NDF: 12824462.3/11

- sign 109.079+/-0.013 χ^2/NDF: 6876759.0/56



Right In: -1339.340+/-383.007 χ^2/NDF: 38.0/29

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

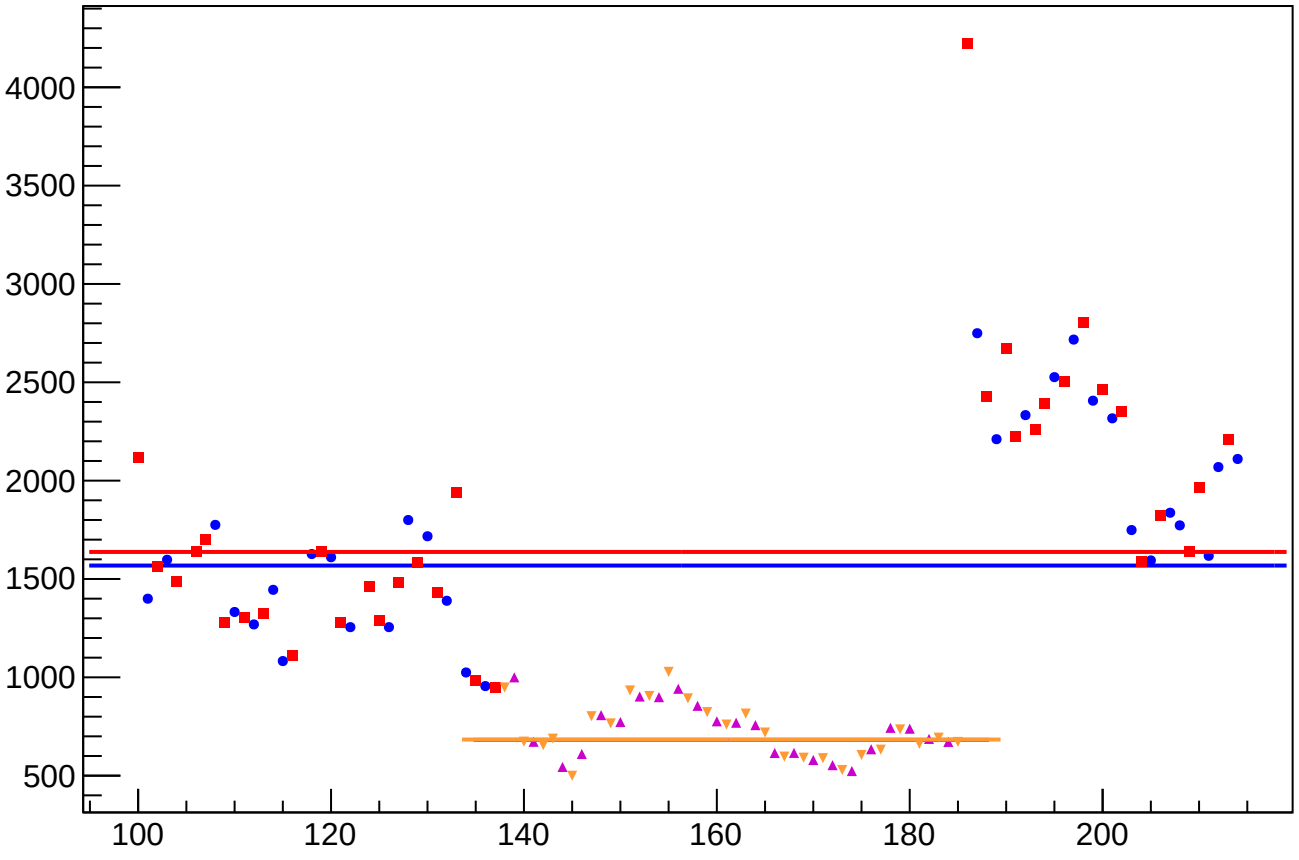
Right Out: -1349.570+/-393.281 χ^2/NDF: 32.4/33

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -864.839+/-146.319 χ^2/NDF: 106.1/54

All: -593.962+/-104.779 χ^2/NDF: 178.0/111

- sign -308.857+/-150.113 χ^2/NDF: 64.9/56



Right In: 1568.291+/-0.271 χ^2/NDF: 2834498.9/29

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1637.525+/-0.278 χ^2/NDF: 3149491.0/33

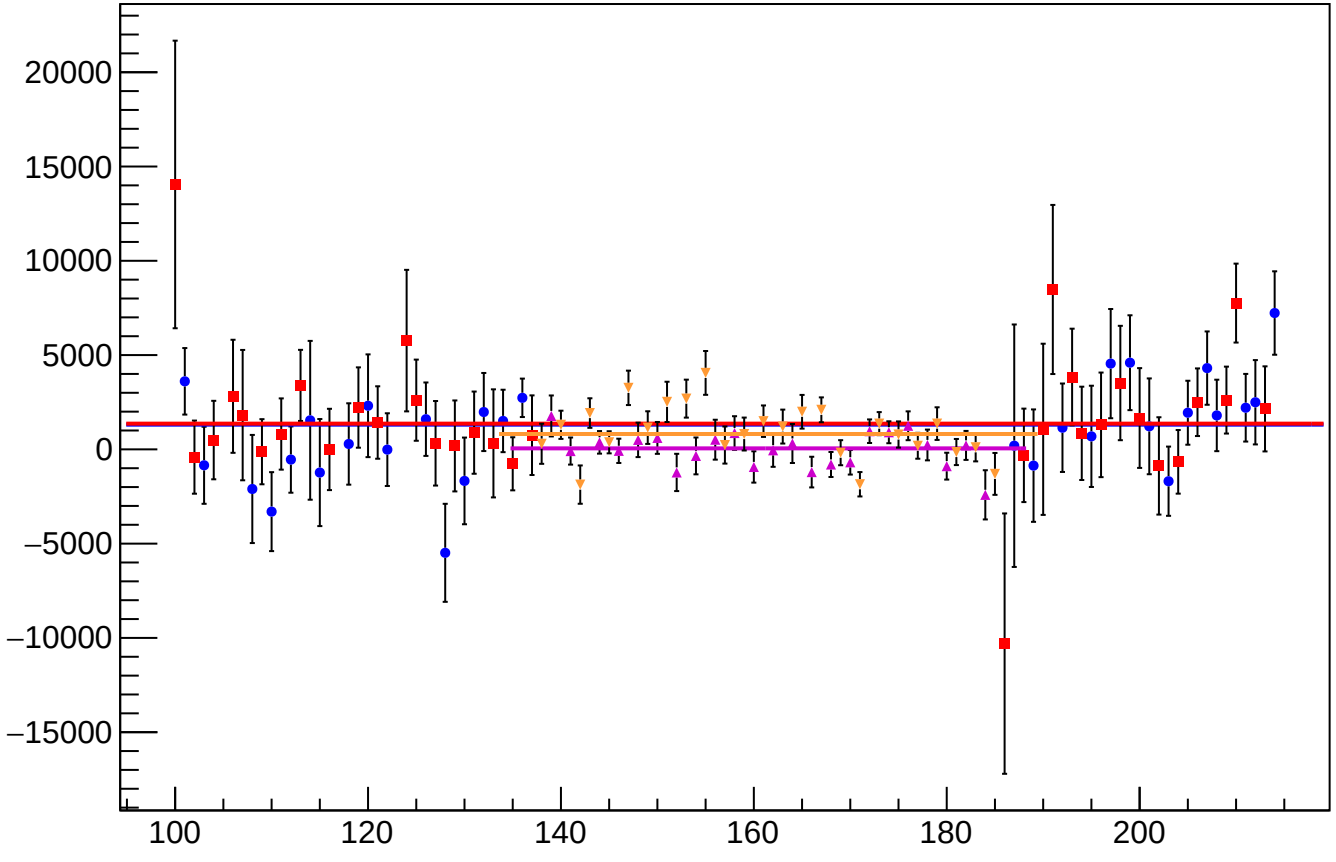
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 812.799+/-0.103 χ^2/NDF: 13243986.1/54

All: 816.880+/-0.074 χ^2/NDF: 27669757.5/11

- sign 821.176+/-0.106 χ^2/NDF: 14422577.0/56

asym_sam_2468_avg_mean vs Slug



Right In: 1310.606+/-378.321 χ^2/NDF: 39.0/29

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1363.316+/-390.276 χ^2/NDF: 31.2/33

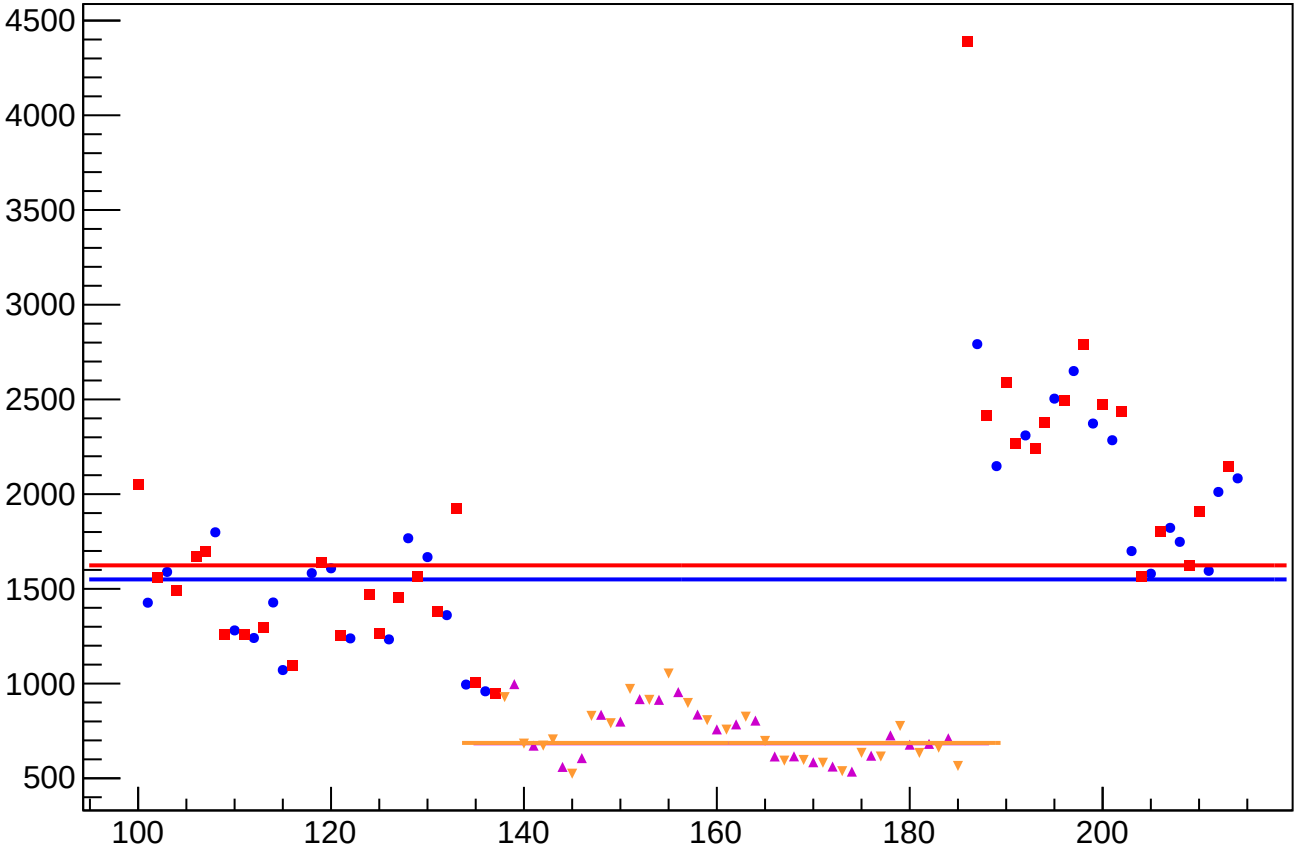
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 888.811+/-146.781 χ^2/NDF: 106.2/54

All: 575.839+/-105.059 χ^2/NDF: 181.7/111

- sign 247.084+/-150.437 χ^2/NDF: 66.2/56

asym_sam_2468_avg_rms vs Slug



Right In: 1549.822+/-0.268 χ^2/NDF: 2783206.4/29

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

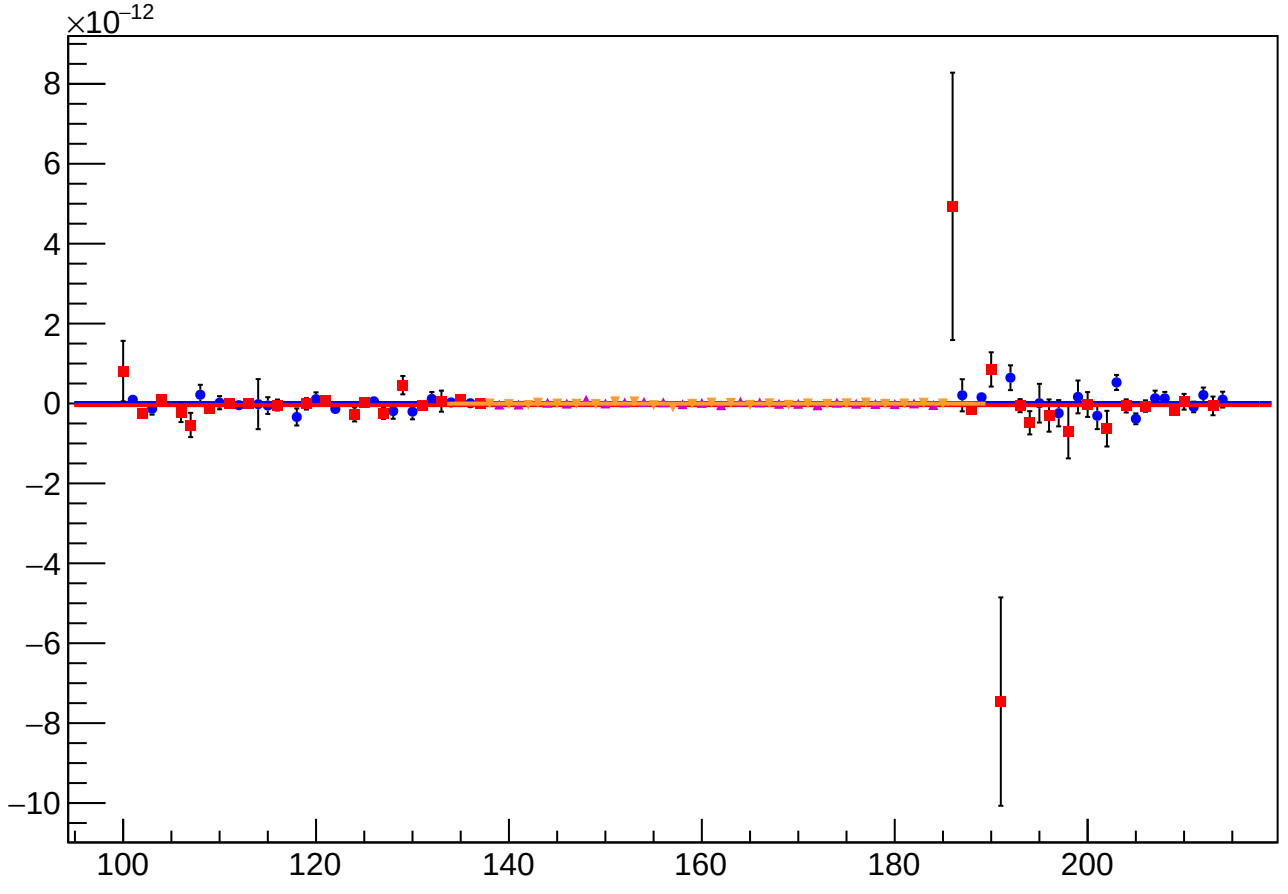
Right Out: 1623.992+/-0.276 χ^2/NDF: 3163825.9/33

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 816.625+/-0.104 χ^2/NDF: 12938490.3/54

All: 820.375+/-0.074 χ^2/NDF: 27132355.7/11

- sign 824.315+/-0.106 χ^2/NDF: 14191187.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

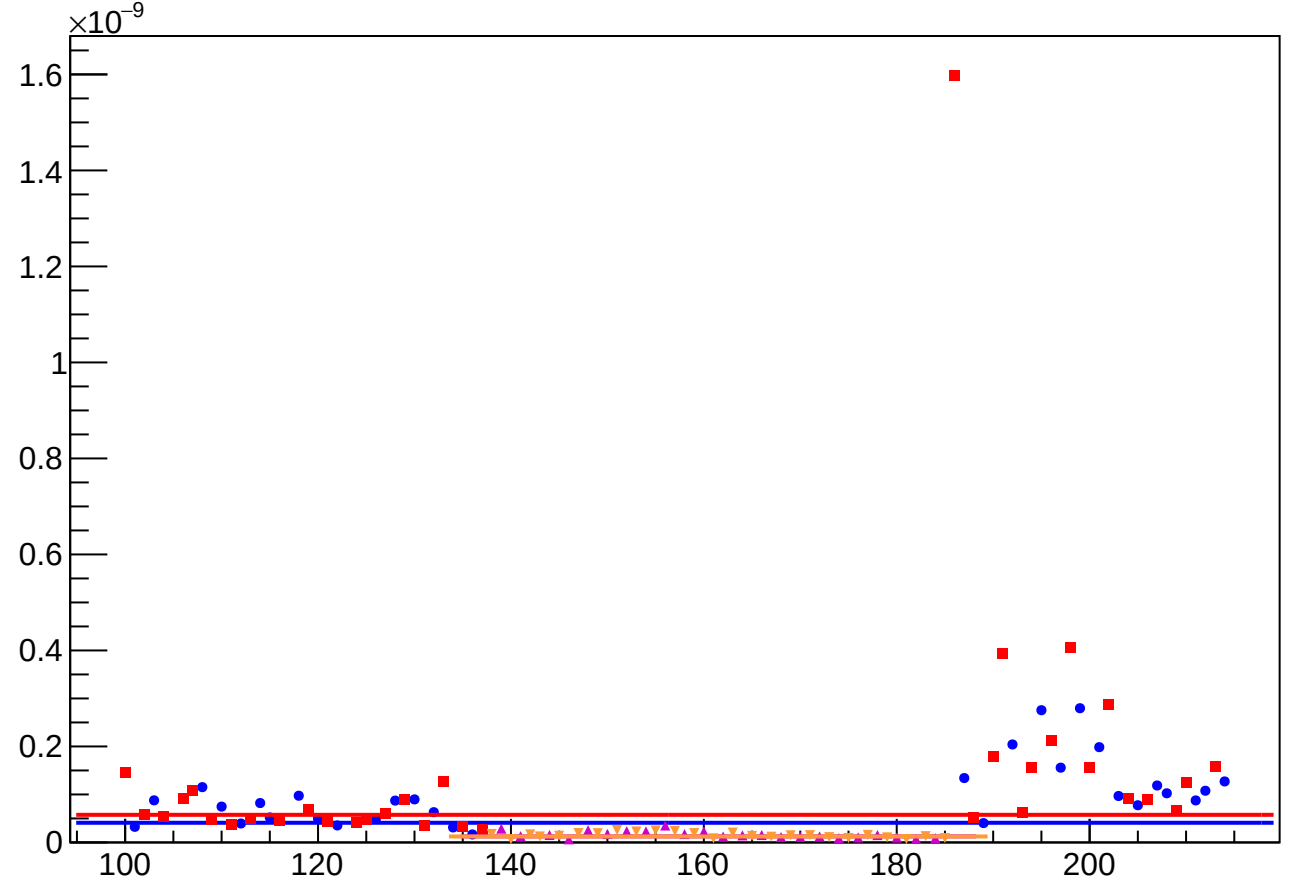
Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/33

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.9/54

All: -0.000+/-0.000 χ^2/NDF: 126.1/111

- sign -0.000+/-0.000 χ^2/NDF: 71.2/56



Right In: 0.000+/-0.000 χ^2/NDF: 6664326.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

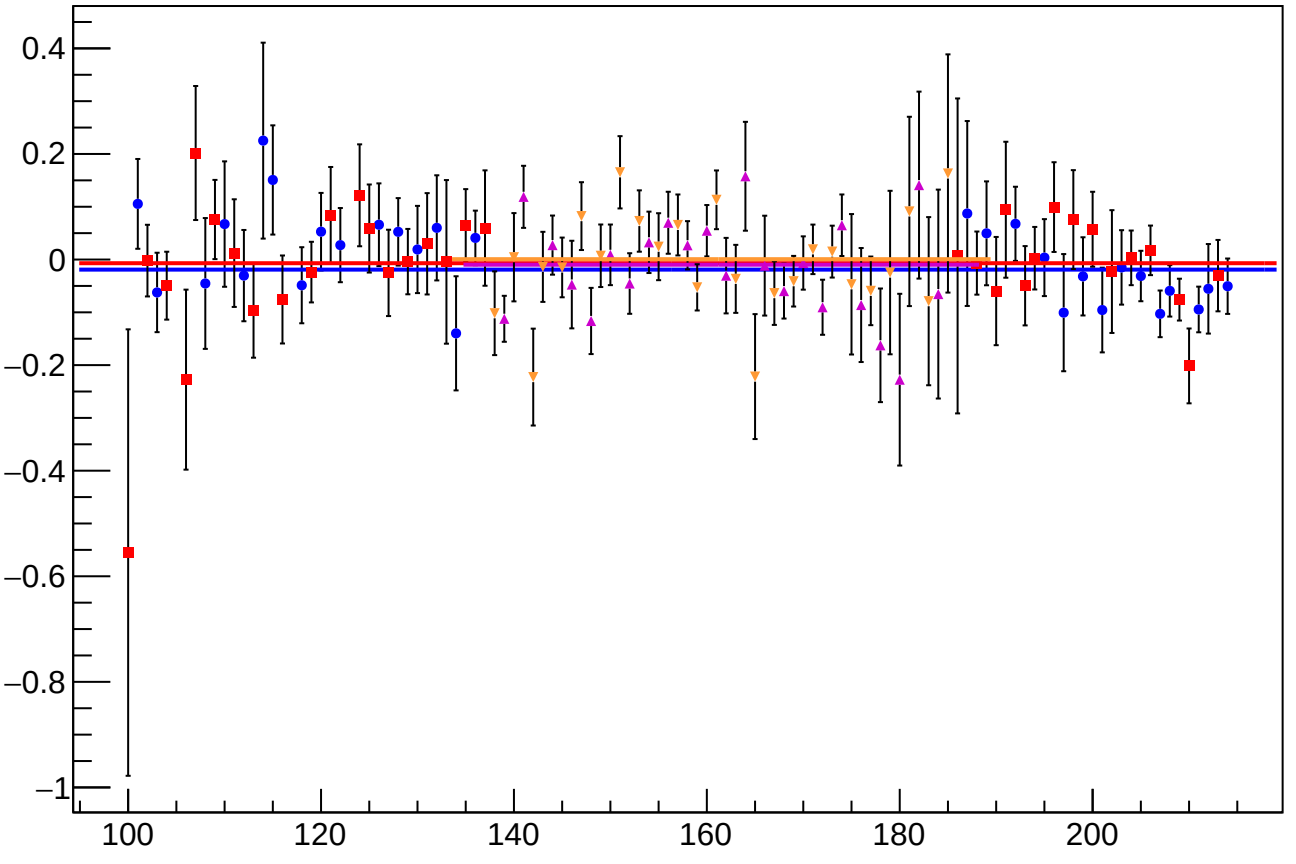
Right Out: 0.000+/-0.000 χ^2/NDF: 4205483.1/33

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12242644.8/54

All: 0.000+/-0.000 χ^2/NDF: 24690685.3/111

- sign 0.000+/-0.000 χ^2/NDF: 12443032.7/56



Right In: -0.019+/-0.013 χ^2/NDF: 26.8/29

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.013 χ^2/NDF: 30.0/33

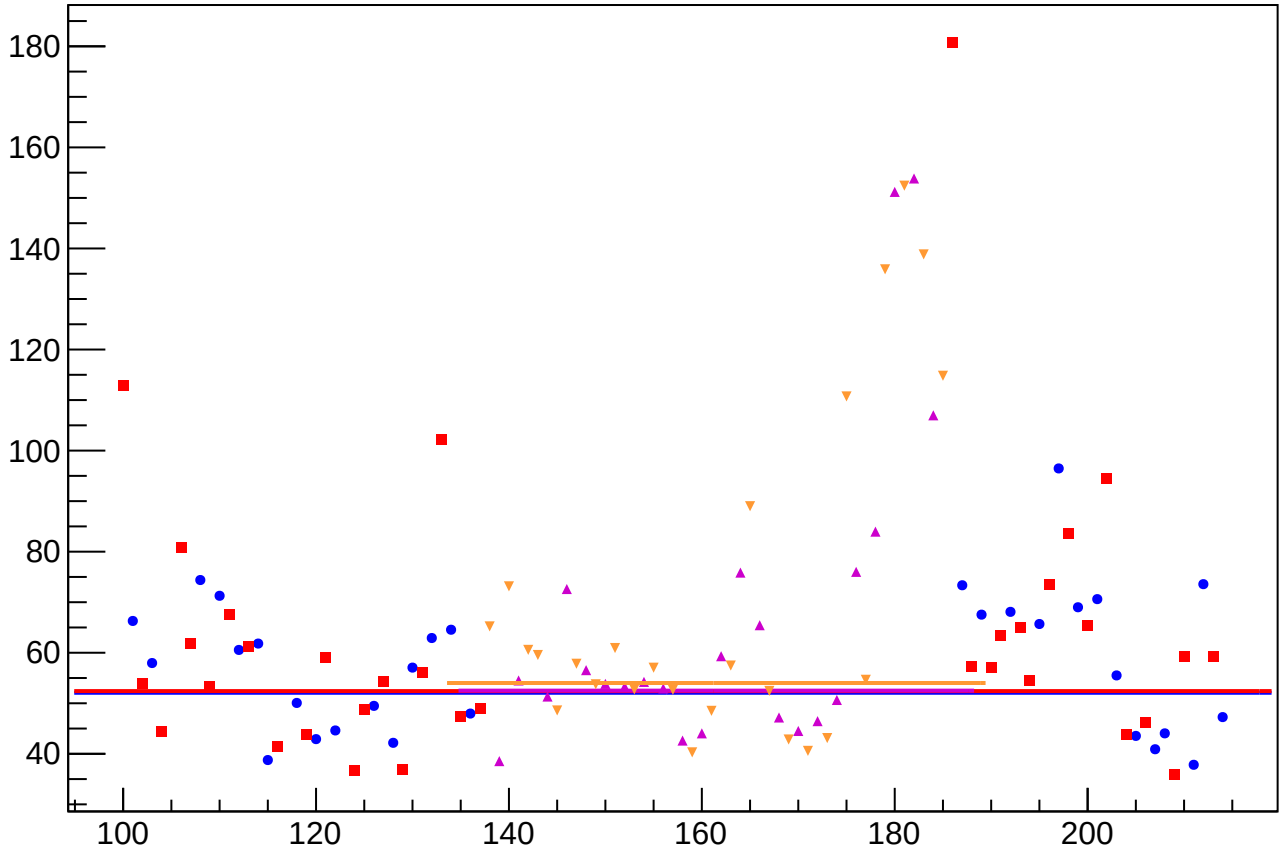
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.009+/-0.009 χ^2/NDF: 59.6/54

All: -0.009+/-0.007 χ^2/NDF: 121.6/111

- sign -0.008+/-0.009 χ^2/NDF: 61.9/56

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 52.083+/-0.009 χ^2/NDF: 1815559.4/29

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

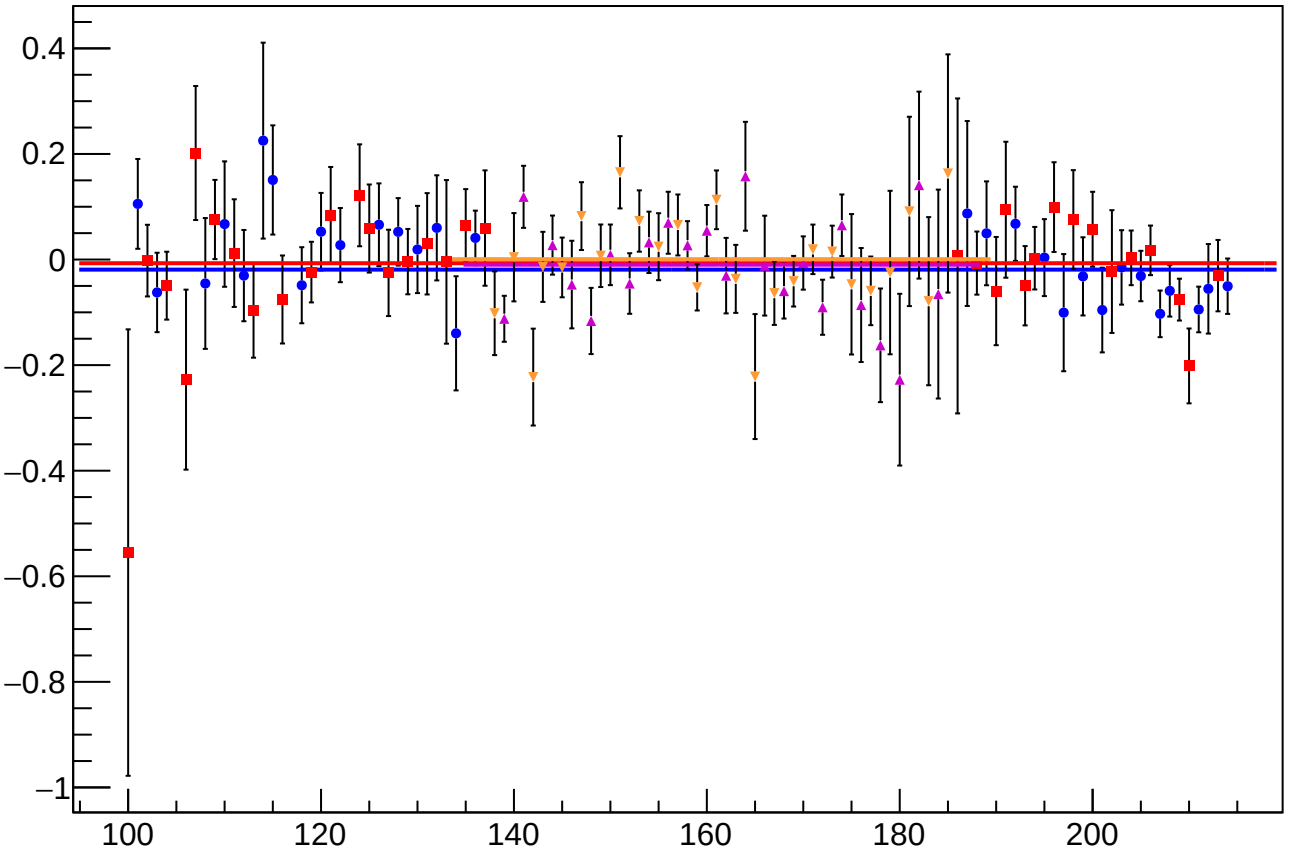
Right Out: 52.412+/-0.009 χ^2/NDF: 2309069.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.028+/-0.007 χ^2/NDF: 5064843.3/54

All: 52.742+/-0.005 χ^2/NDF: 9935539.5/111

- sign 52.456+/-0.007 χ^2/NDF: 4866880.6/56



Right In: -0.019+/-0.013 χ^2/NDF: 26.8/29

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

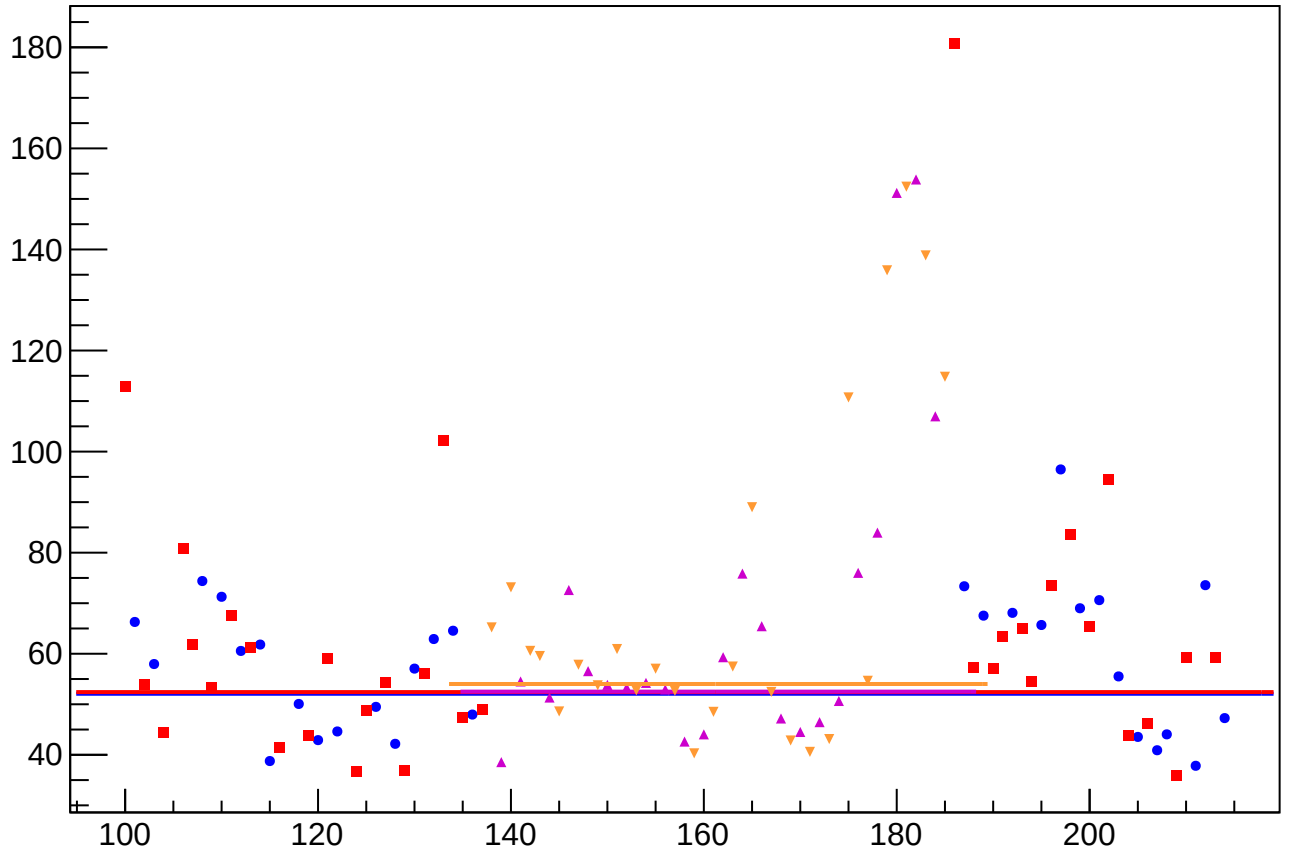
Right Out: -0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.009+/-0.009 χ^2/NDF: 59.6/54

All: -0.009+/-0.007 χ^2/NDF: 121.6/111

- sign -0.008+/-0.009 χ^2/NDF: 61.9/56



Right In: 52.083+/-0.009 χ^2/NDF: 1815559.4/29

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

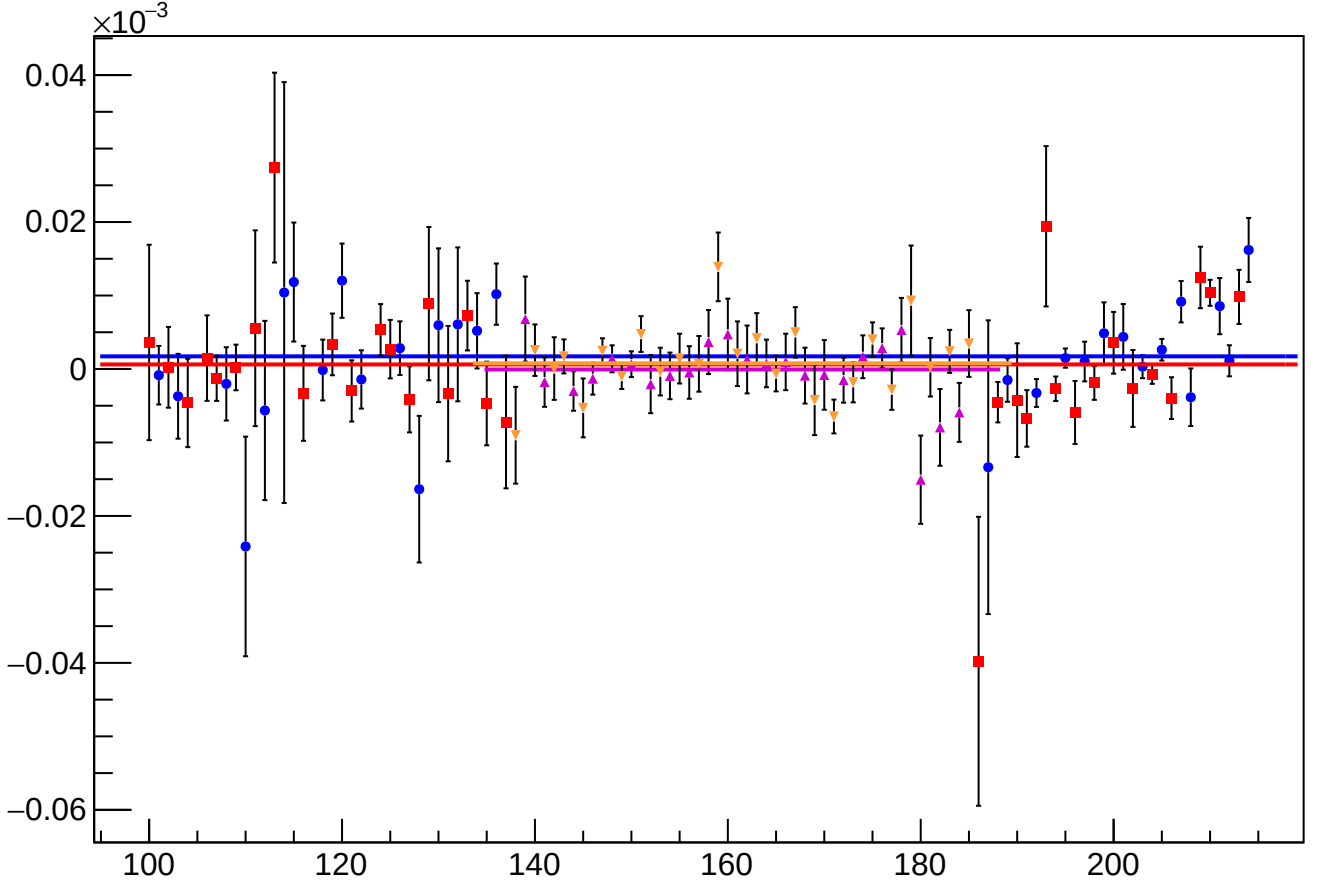
Right Out: 52.412+/-0.009 χ^2/NDF: 2309069.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 53.028+/-0.007 χ^2/NDF: 5064843.3/54

All: 52.742+/-0.005 χ^2/NDF: 9935539.5/111

- sign 52.456+/-0.007 χ^2/NDF: 4866880.6/56



Right In: 0.000+/-0.000 χ^2/NDF: 54.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

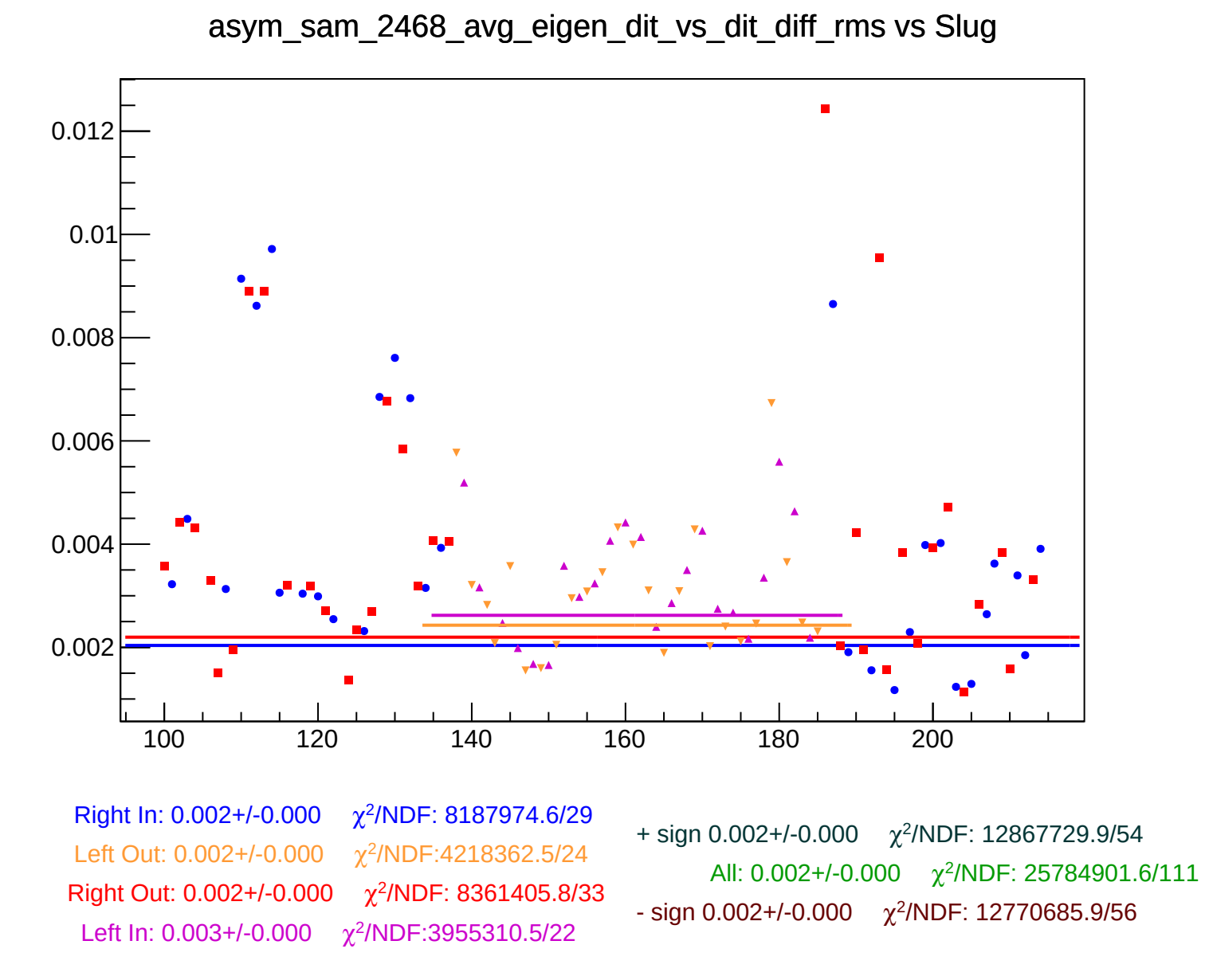
Right Out: 0.000+/-0.000 χ^2/NDF: 86.1/33

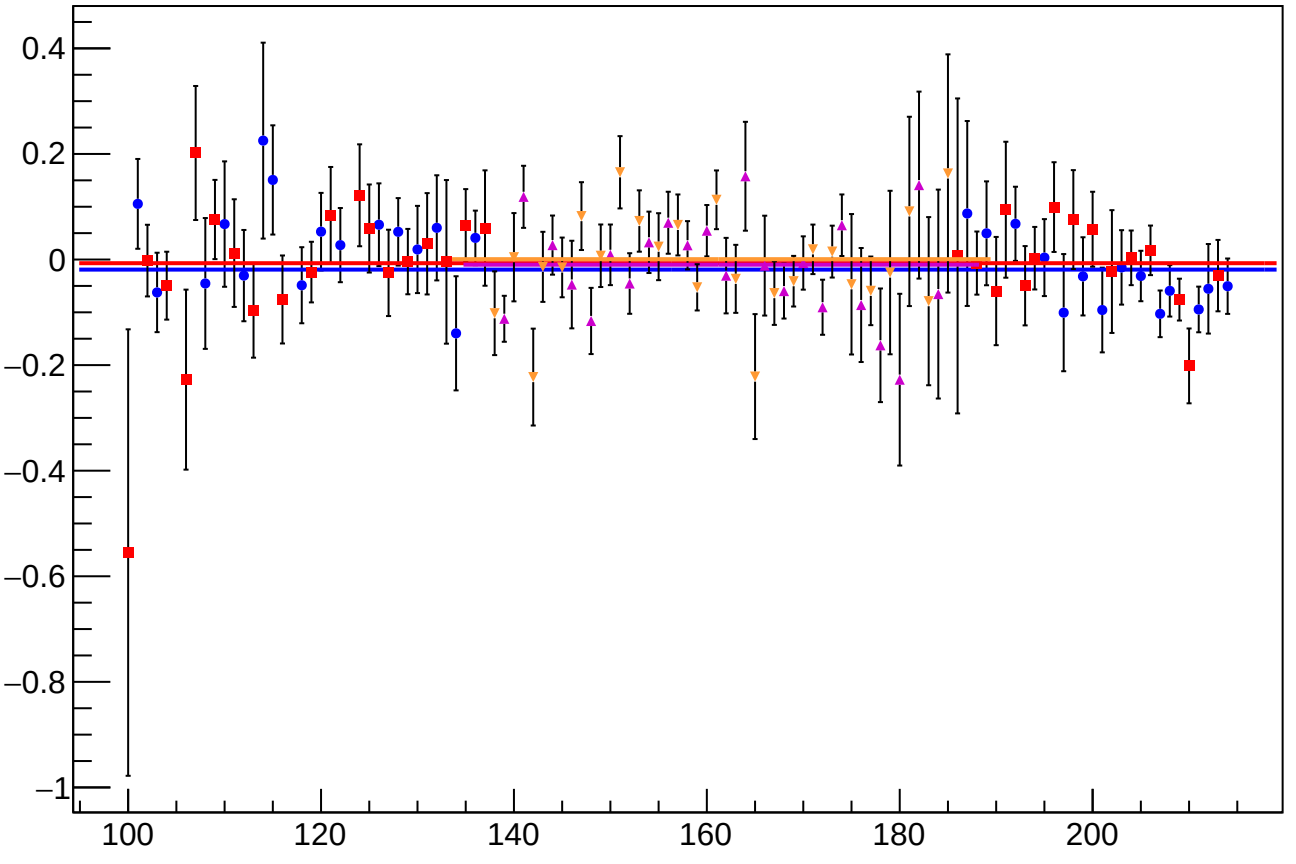
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 93.7/54

All: 0.000+/-0.000 χ^2/NDF: 203.2/111

- sign 0.000+/-0.000 χ^2/NDF: 106.9/56


asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 8187974.6/29
Left Out: 0.002+/-0.000 χ²/NDF:4218362.5/24
Right Out: 0.002+/-0.000 χ²/NDF: 8361405.8/33
Left In: 0.003+/-0.000 χ²/NDF:3955310.5/22
+ sign 0.002+/-0.000 χ²/NDF: 12867729.9/54
All: 0.002+/-0.000 χ²/NDF: 25784901.6/111
- sign 0.002+/-0.000 χ²/NDF: 12770685.9/56



Right In: -0.019+/-0.013 χ^2/NDF: 26.8/29

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

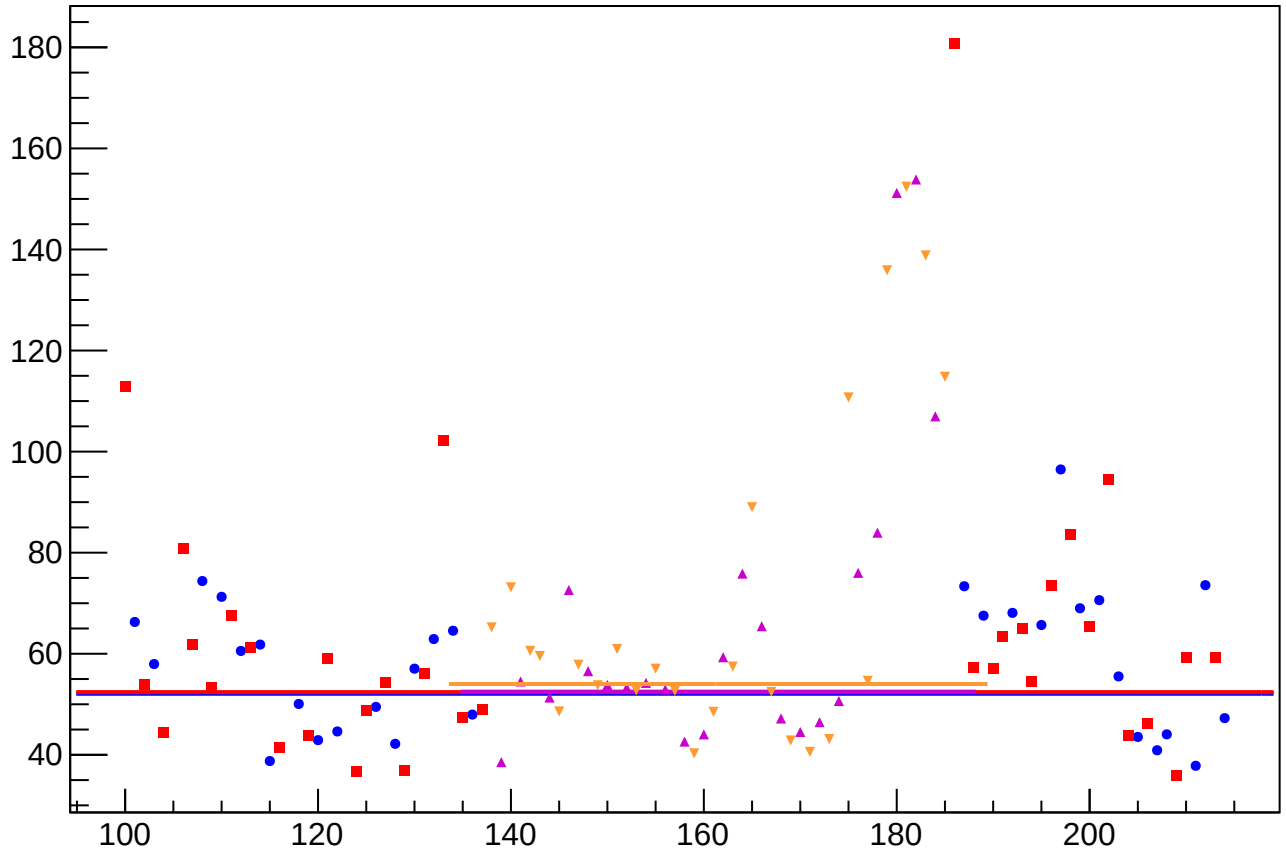
Right Out: -0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.009+/-0.009 χ^2/NDF: 59.6/54

All: -0.009+/-0.007 χ^2/NDF: 121.6/111

- sign -0.008+/-0.009 χ^2/NDF: 61.9/56



Right In: 52.083+/-0.009 χ^2/NDF: 1815479.4/29

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

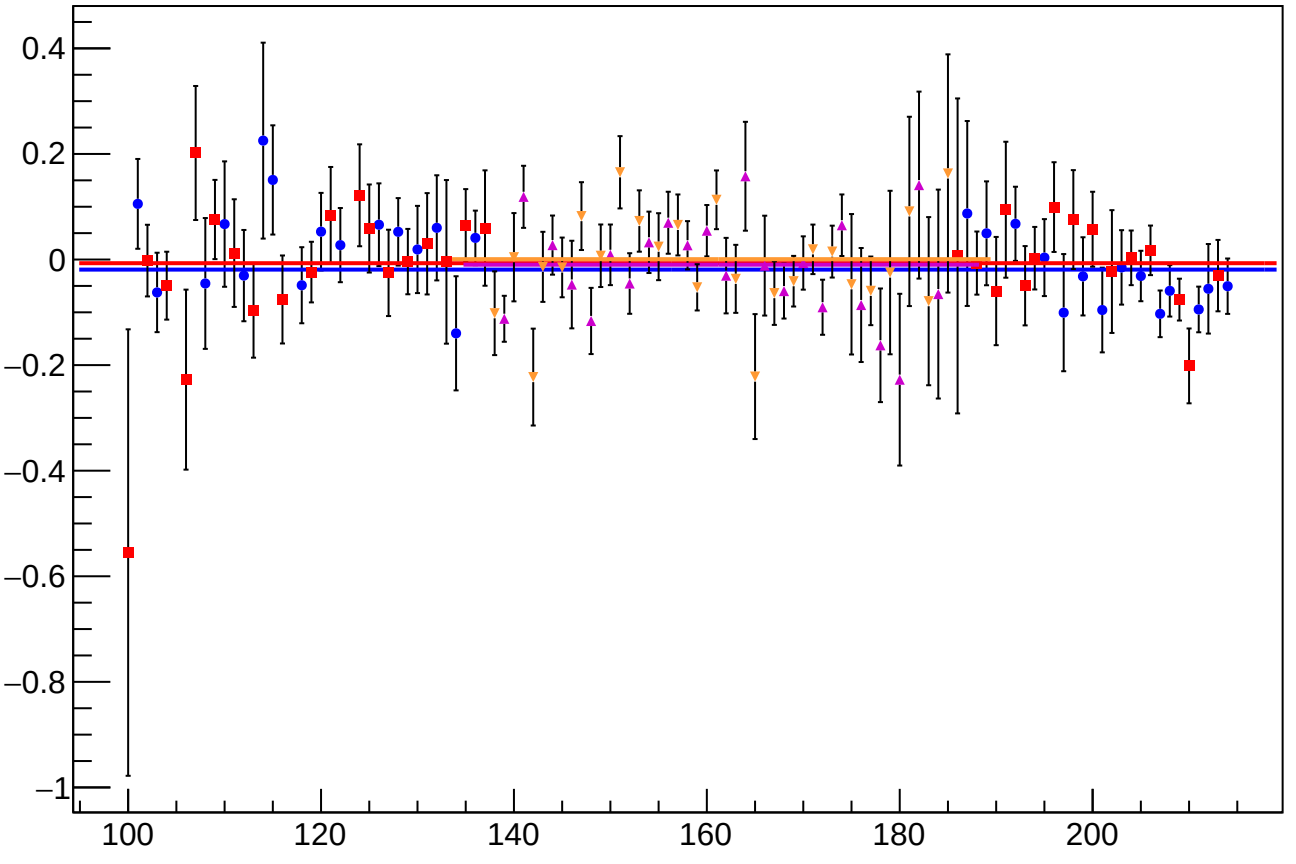
Right Out: 52.412+/-0.009 χ^2/NDF: 2308996.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.028+/-0.007 χ^2/NDF: 5064802.5/54

All: 52.742+/-0.005 χ^2/NDF: 9935466.6/111

- sign 52.456+/-0.007 χ^2/NDF: 4866850.3/56



Right In: -0.019+/-0.013 χ^2/NDF: 26.8/29

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

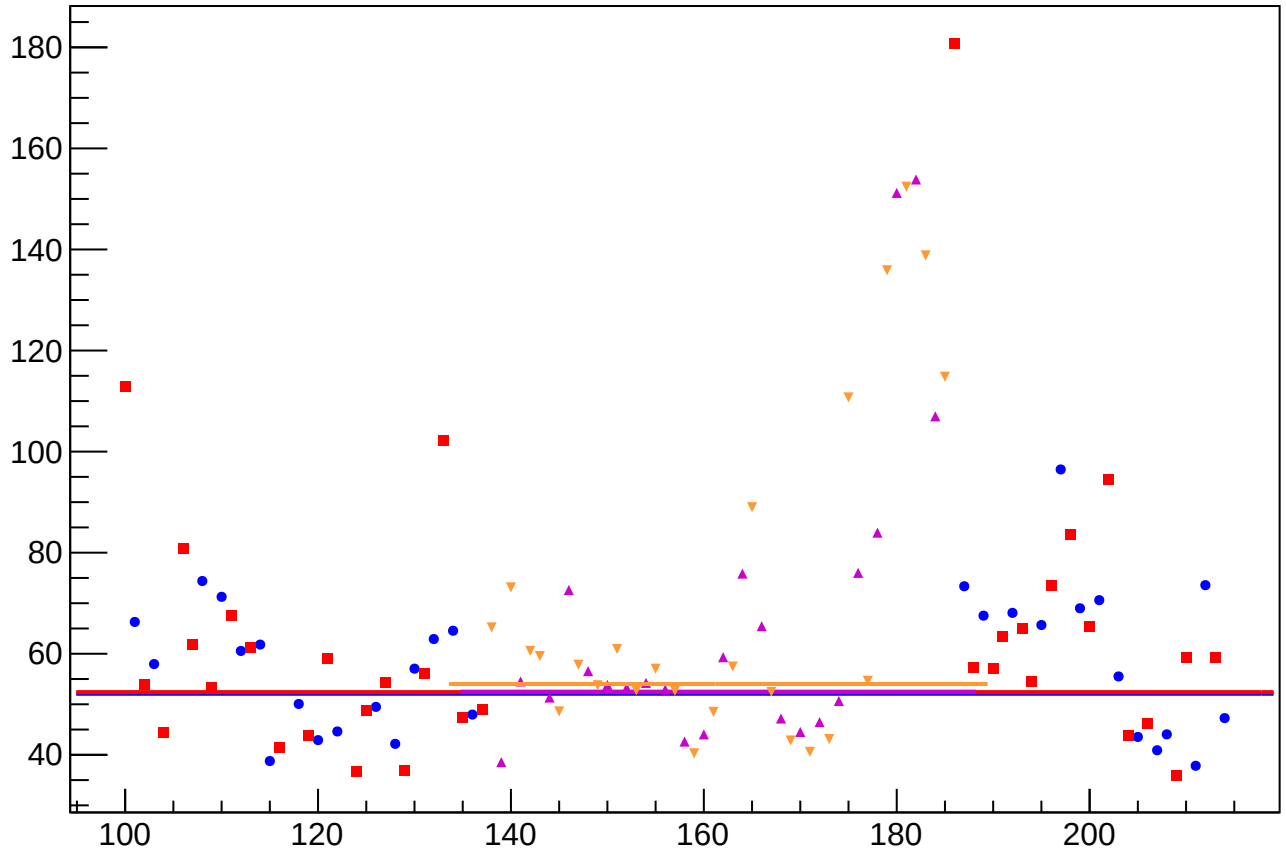
Right Out: -0.007+/-0.013 χ^2/NDF: 30.0/33

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.009+/-0.009 χ^2/NDF: 59.6/54

All: -0.009+/-0.007 χ^2/NDF: 121.6/111

- sign -0.008+/-0.009 χ^2/NDF: 61.9/56



Right In: 52.083+/-0.009 χ^2/NDF: 1815479.4/29

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

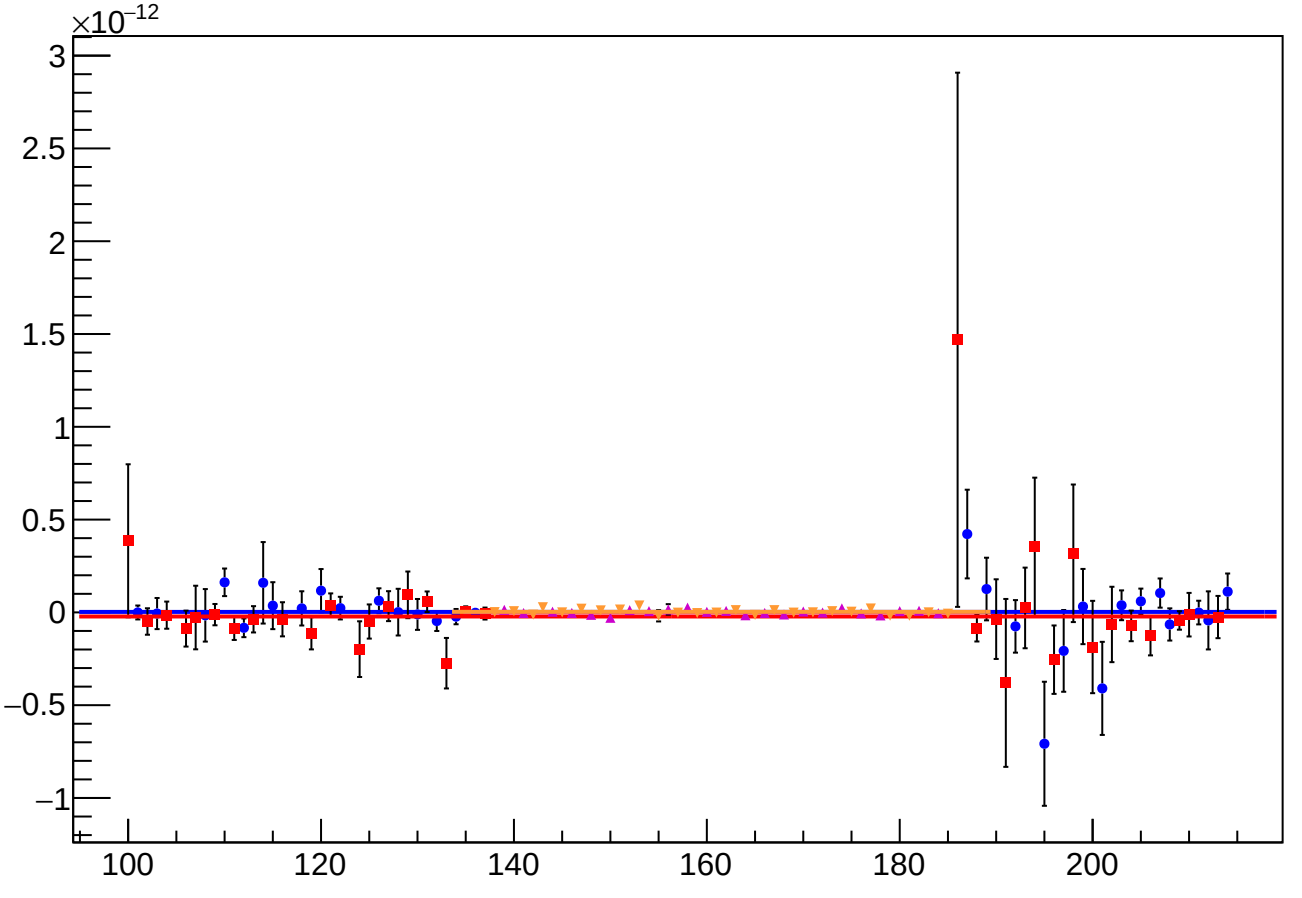
Right Out: 52.412+/-0.009 χ^2/NDF: 2308996.7/33

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 53.028+/-0.007 χ^2/NDF: 5064802.5/54

All: 52.742+/-0.005 χ^2/NDF: 9935466.6/111

- sign 52.456+/-0.007 χ^2/NDF: 4866850.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 27.9/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

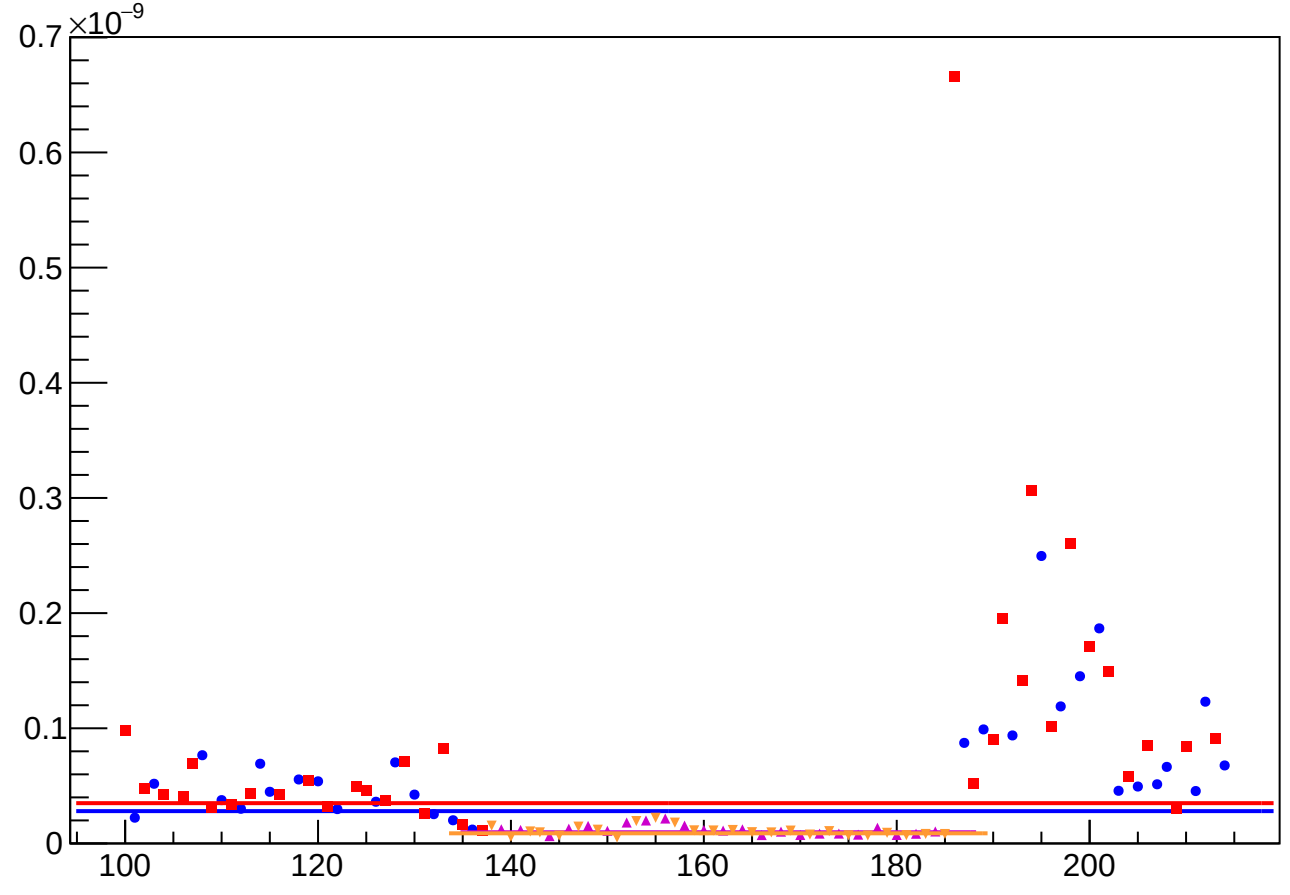
Right Out: -0.000+/-0.000 χ^2/NDF: 22.1/33

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.8/54

All: 0.000+/-0.000 χ^2/NDF: 90.7/111

- sign 0.000+/-0.000 χ^2/NDF: 40.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 8762973.5/29

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8949229.4/33

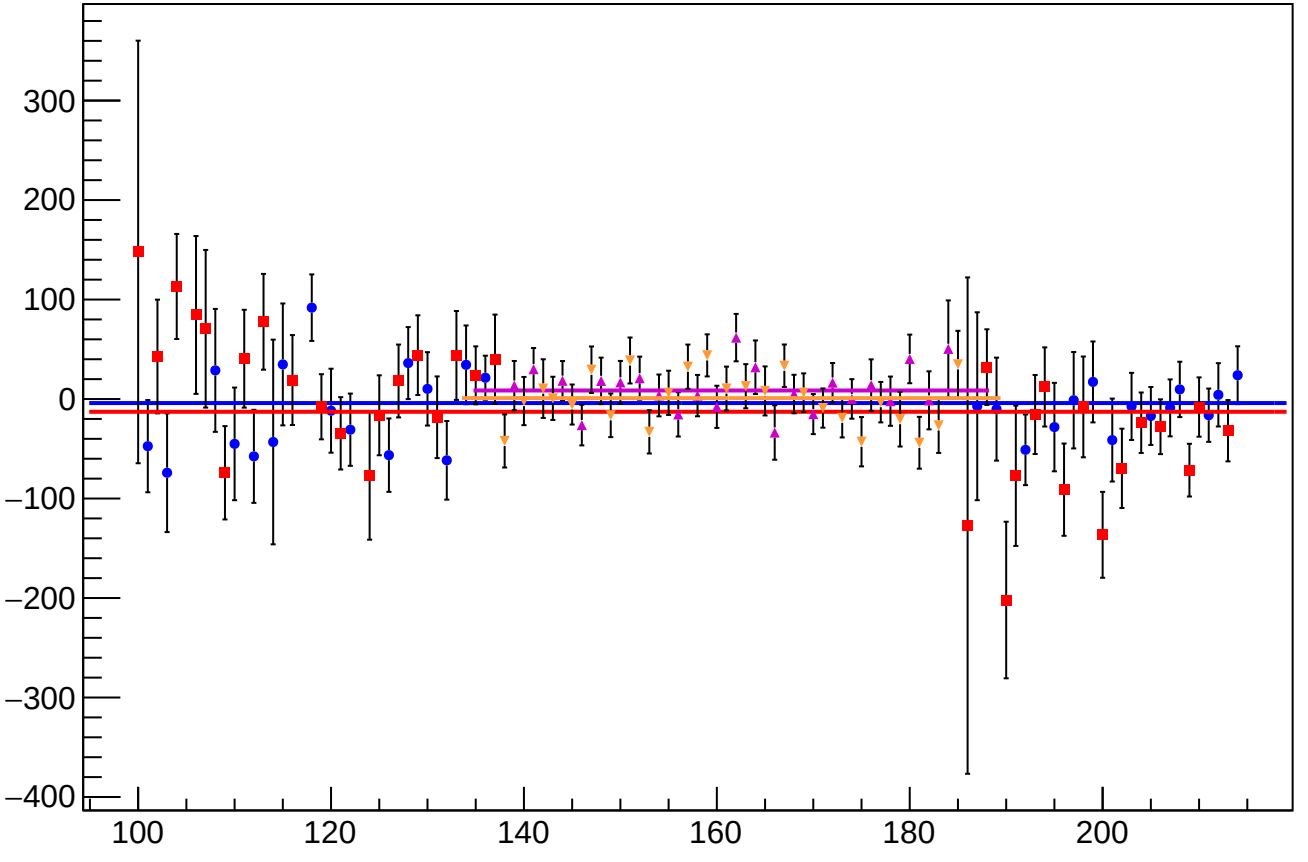
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17031451.6/54

All: 0.000+/-0.000 χ^2/NDF: 35602024.1/111

- sign 0.000+/-0.000 χ^2/NDF: 18418337.8/56

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.043+/-6.831 χ^2/NDF: 26.3/29

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.802+/-7.097 χ^2/NDF: 52.9/33

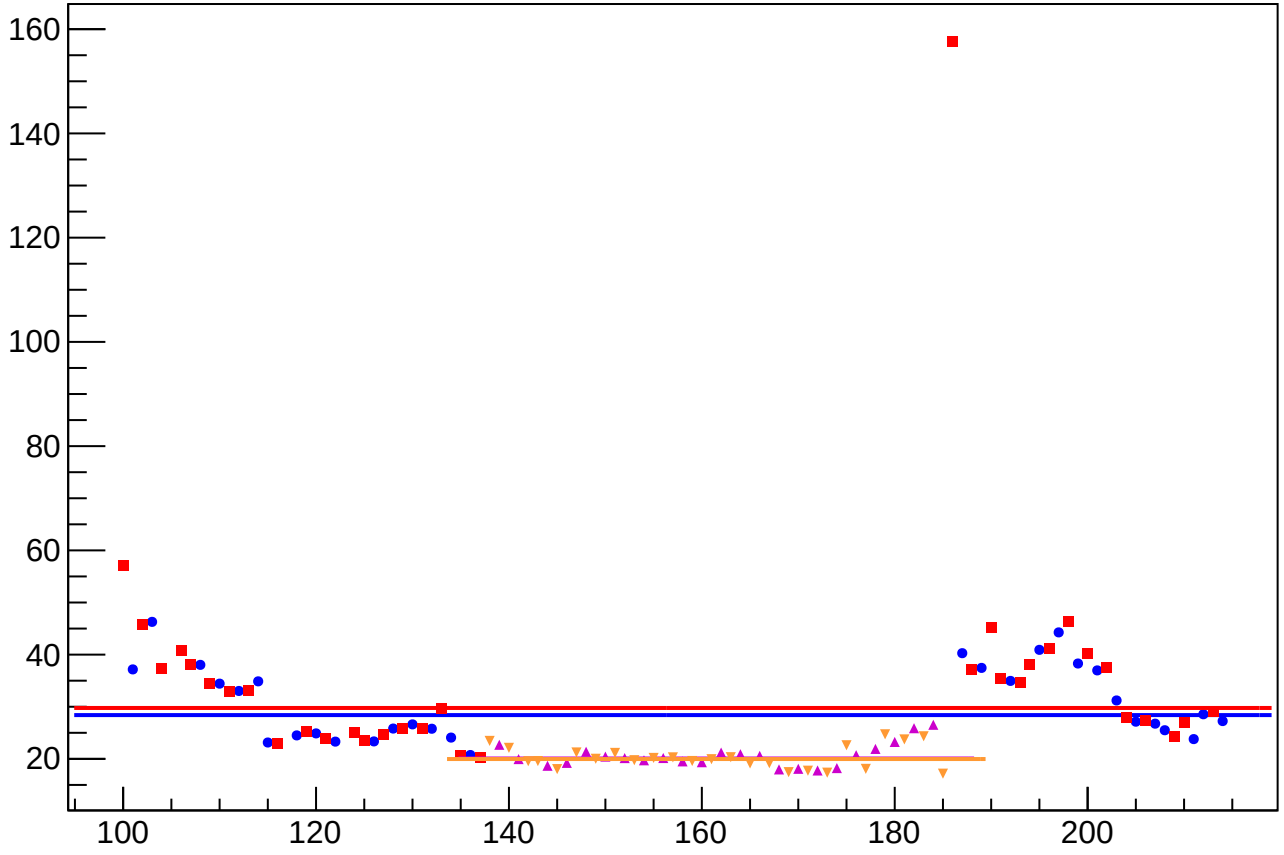
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.619+/-3.801 χ^2/NDF: 55.9/54

All: 0.661+/-2.733 χ^2/NDF: 134.7/111

- sign 2.031+/-3.932 χ^2/NDF: 78.6/56

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.400+/-0.005 χ^2/NDF: 1615073.2/29

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

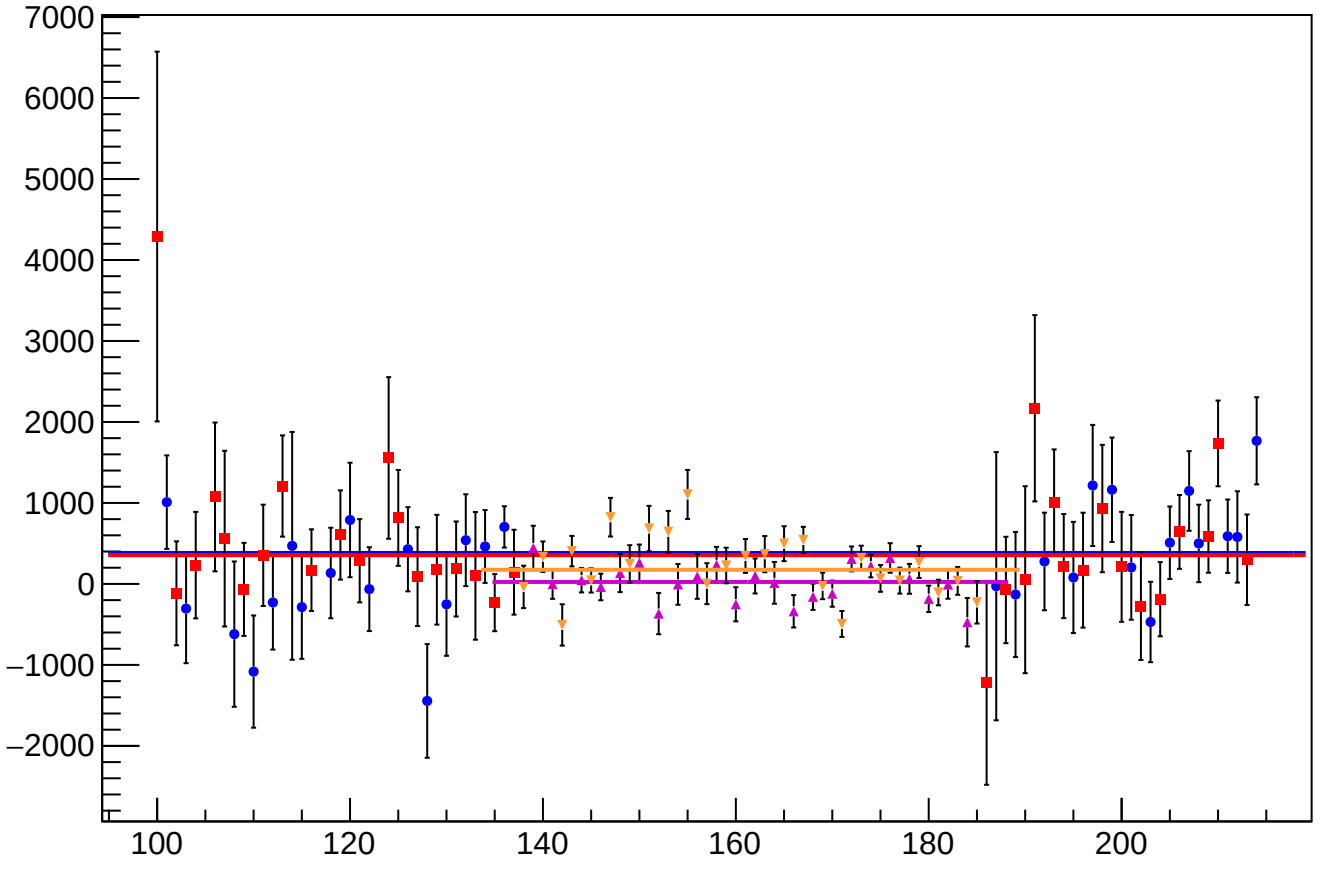
Right Out: 29.767+/-0.005 χ^2/NDF: 2350454.8/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 4105469.1/54

All: 22.805+/-0.002 χ^2/NDF: 9358402.3/111

- sign 23.048+/-0.003 χ^2/NDF: 5238180.3/56



Right In: 382.423+/-101.268 χ^2/NDF: 36.9/29

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

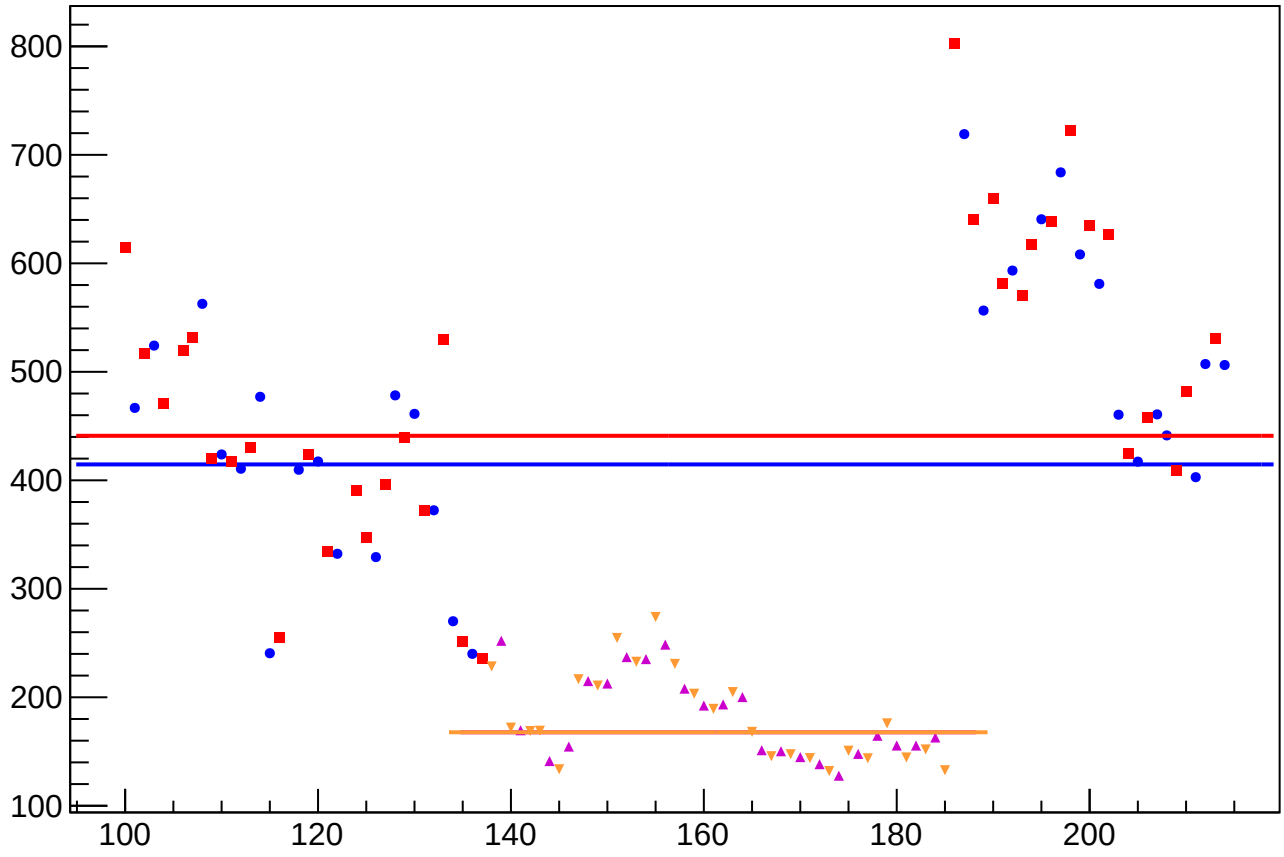
Right Out: 355.057+/-105.599 χ^2/NDF: 28.4/33

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 201.581+/-36.434 χ^2/NDF: 111.7/54

All: 135.768+/-26.119 χ^2/NDF: 182.3/111

- sign 66.183+/-37.464 χ^2/NDF: 63.9/56



Right In: 414.660+/-0.072 χ^2/NDF: 2815143.4/29

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 441.035+/-0.075 χ^2/NDF: 2931508.9/33

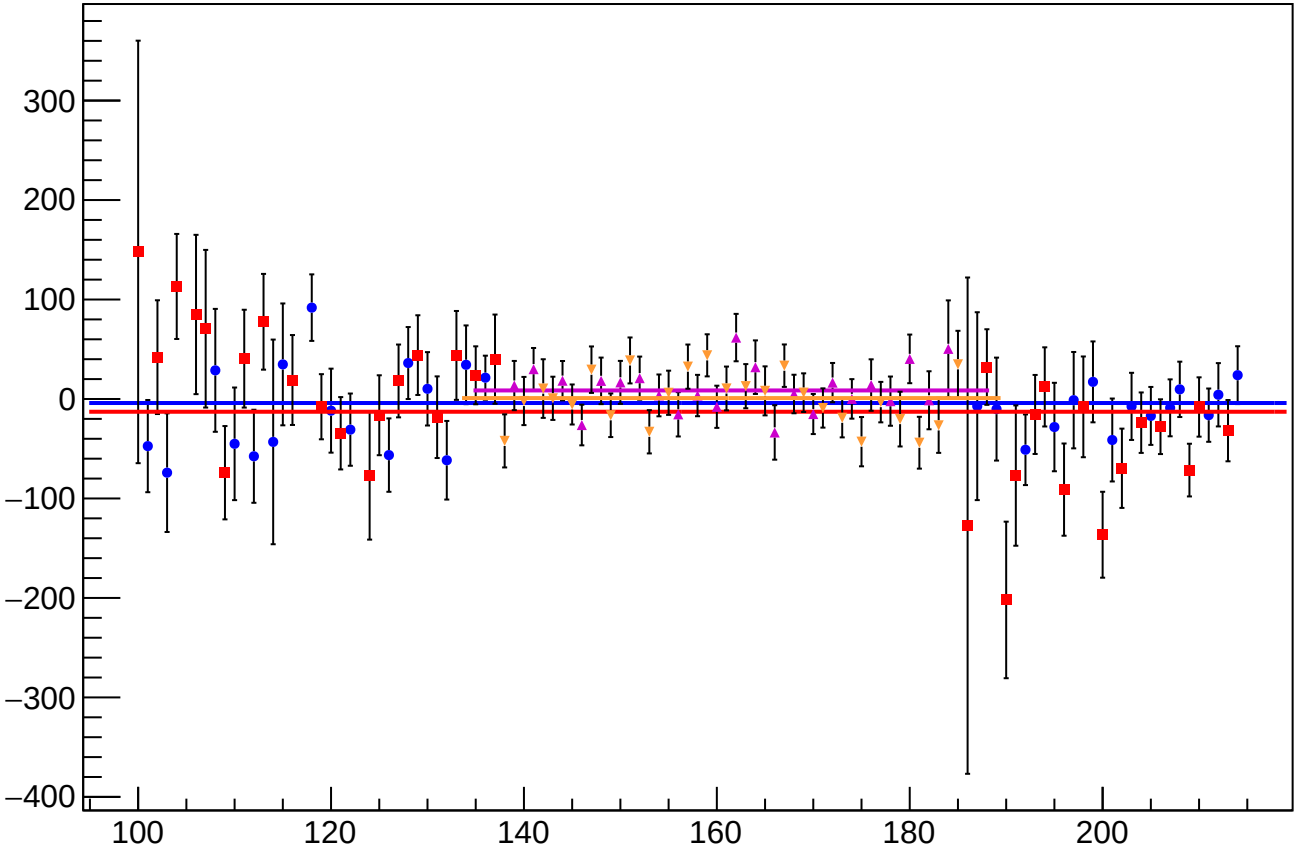
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 199.714+/-0.026 χ^2/NDF: 14743486.7/54

All: 200.896+/-0.018 χ^2/NDF: 30791562.7/11

- sign 202.145+/-0.026 χ^2/NDF: 16043748.0/56

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -4.041+/-6.831 χ^2/NDF: 26.3/29

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.824+/-7.098 χ^2/NDF: 52.9/33

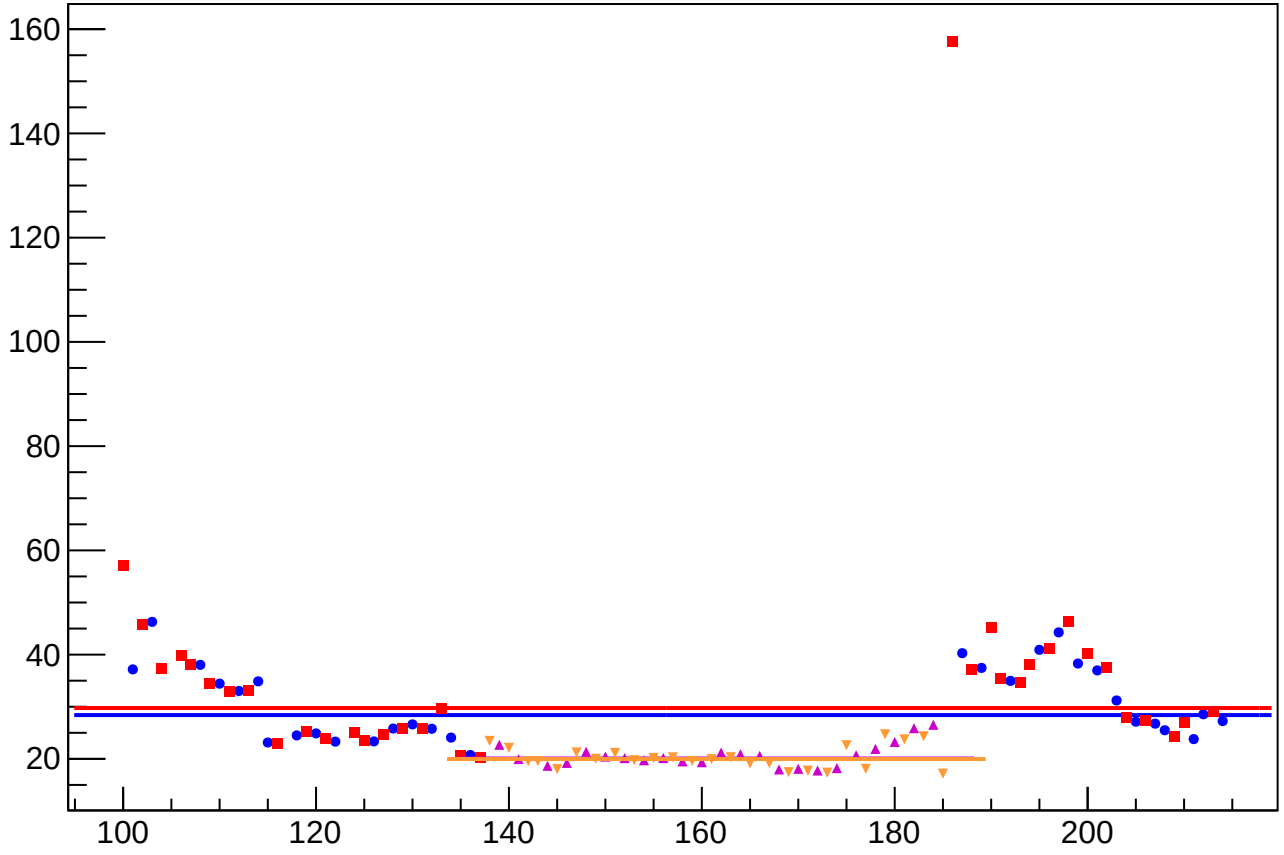
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.619+/-3.801 χ^2/NDF: 55.9/54

All: 0.658+/-2.733 χ^2/NDF: 134.7/111

- sign 2.025+/-3.932 χ^2/NDF: 78.5/56

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.400+/-0.005 χ^2/NDF: 1615076.4/29

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

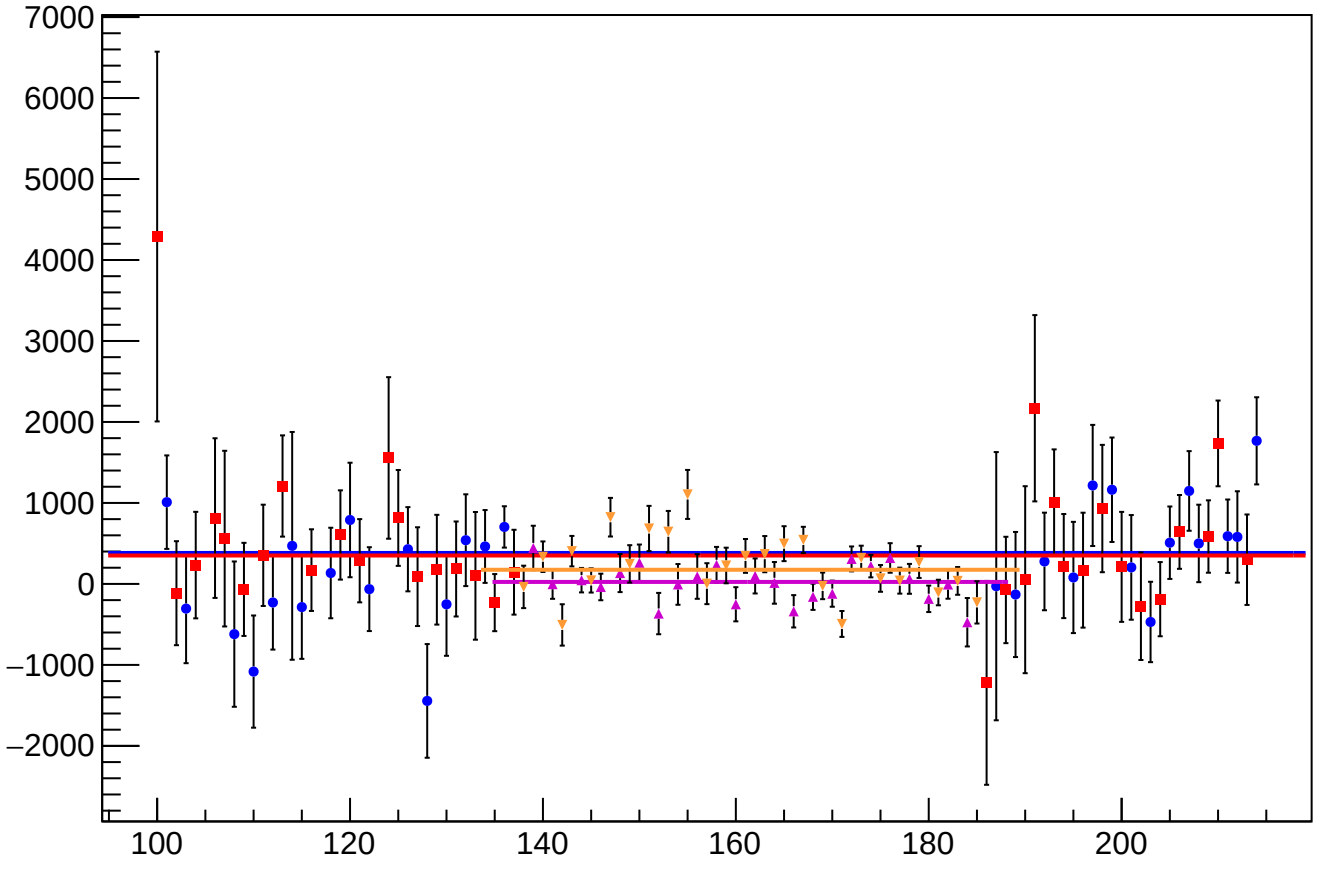
Right Out: 29.757+/-0.005 χ^2/NDF: 2342851.3/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

\+ sign 22.579+/-0.003 χ^2/NDF: 4105472.5/54

All: 22.804+/-0.002 χ^2/NDF: 9344943.4/111

\- sign 23.045+/-0.003 χ^2/NDF: 5224932.0/56



Right In: 382.420+/-101.268 χ^2/NDF: 36.9/29

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

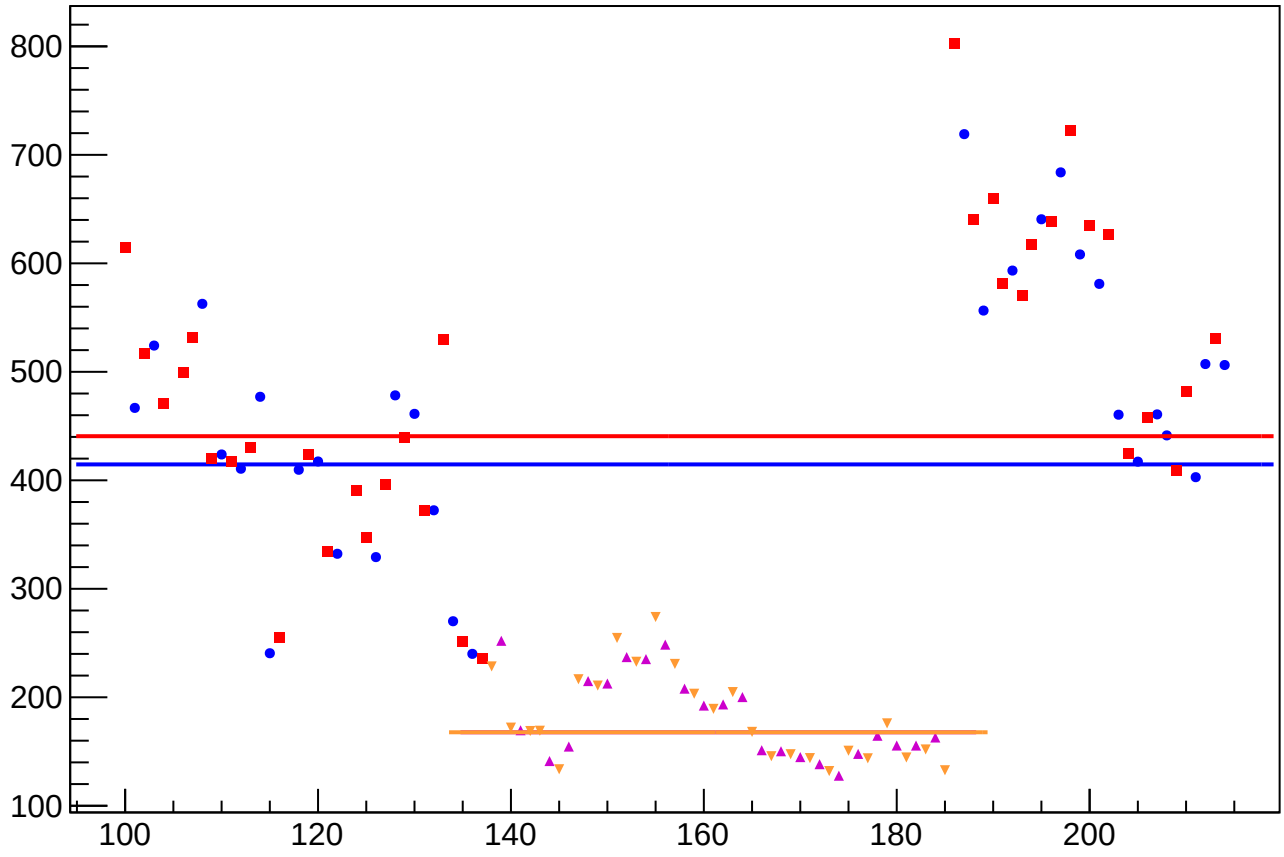
Right Out: 350.855+/-105.692 χ^2/NDF: 28.0/33

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 201.579+/-36.434 χ^2/NDF: 111.7/54

All: 135.487+/-26.121 χ^2/NDF: 181.7/111

- sign 65.592+/-37.468 χ^2/NDF: 63.2/56



Right In: 414.661+/-0.072 χ^2/NDF: 2815168.5/29

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

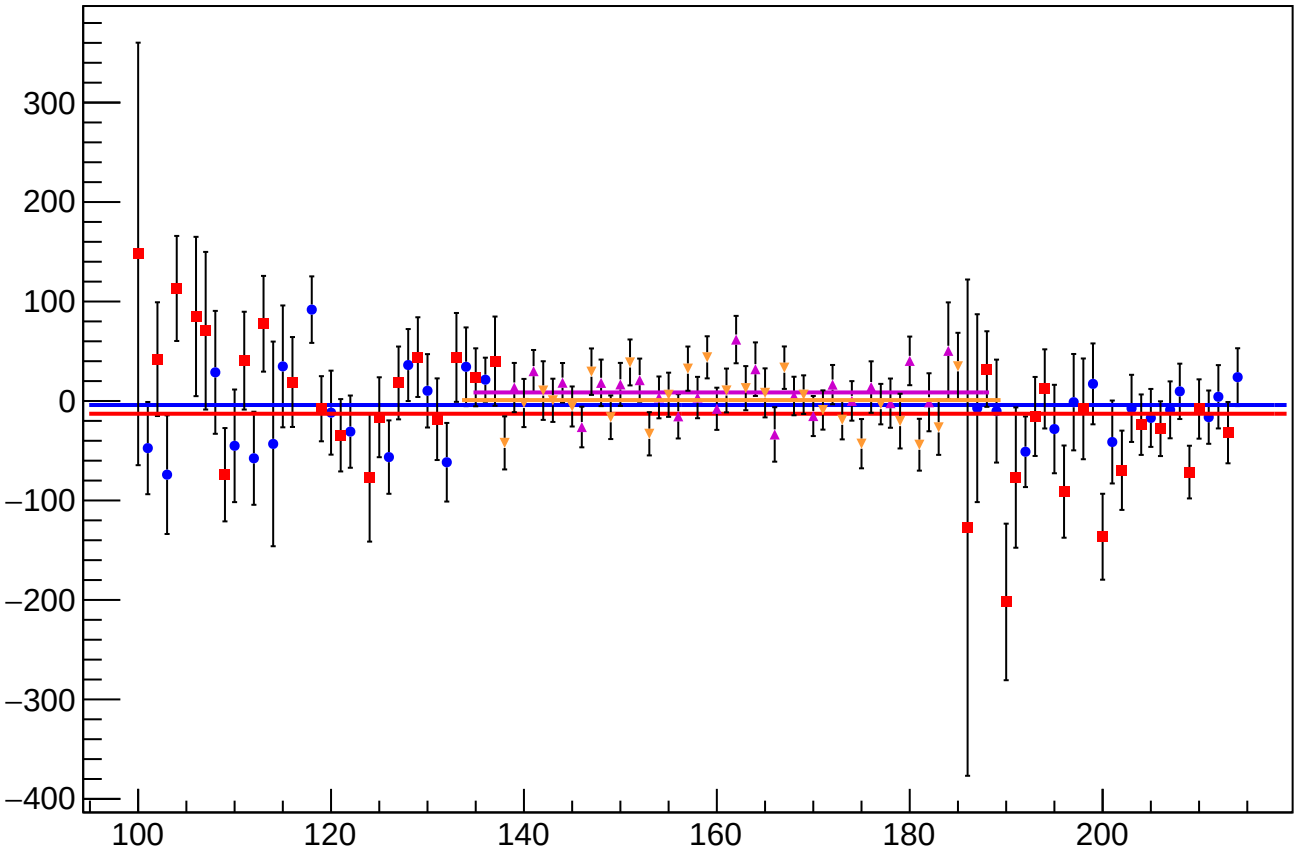
Right Out: 440.668+/-0.075 χ^2/NDF: 2923948.4/33

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 199.714+/-0.026 χ^2/NDF: 14743512.3/54

All: 200.848+/-0.018 χ^2/NDF: 30734281.0/11

- sign 202.046+/-0.026 χ^2/NDF: 15986786.3/56



Right In: -4.041+/-6.831 χ^2/NDF: 26.3/29

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -12.824+/-7.098 χ^2/NDF: 52.9/33

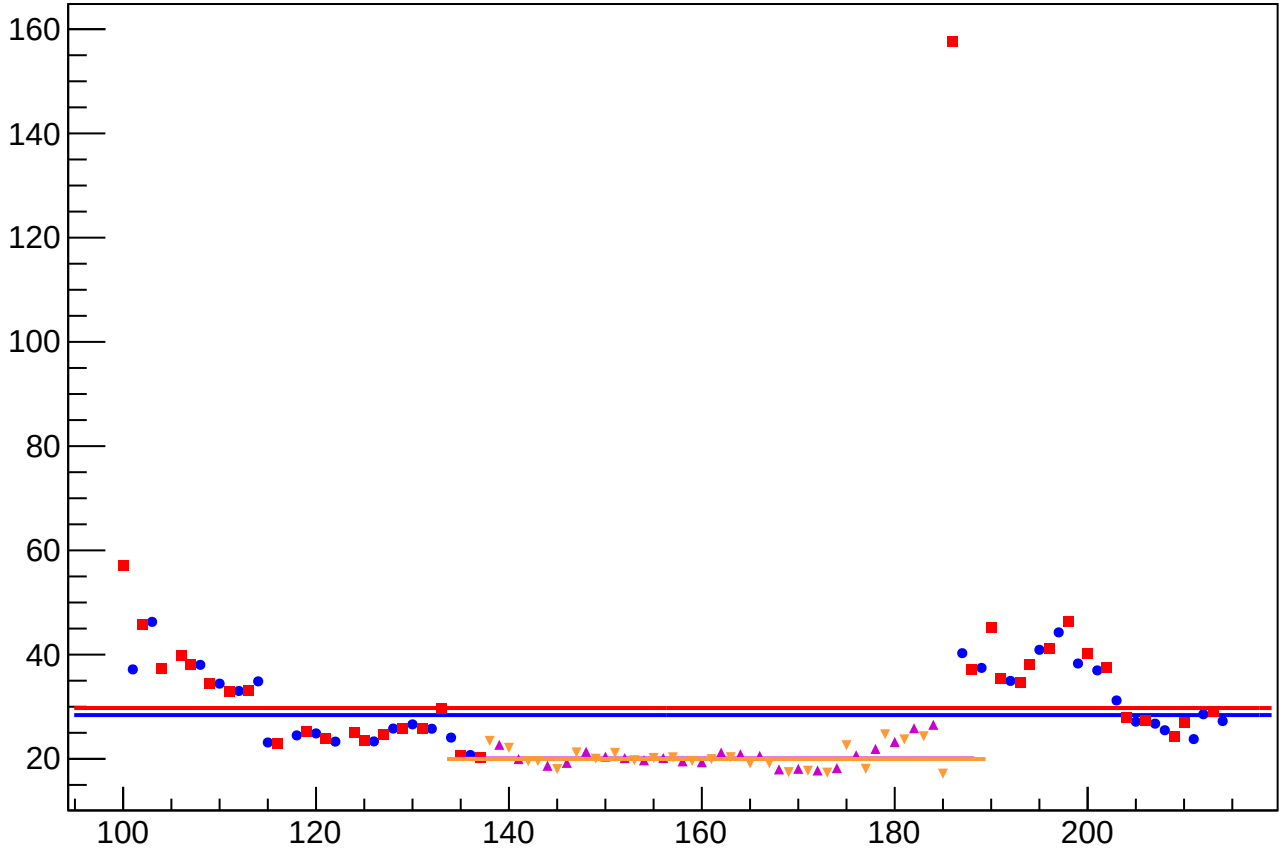
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.619+/-3.801 χ^2/NDF: 55.9/54

All: 0.658+/-2.733 χ^2/NDF: 134.7/111

\- sign 2.025+/-3.932 χ^2/NDF: 78.5/56

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.400+/-0.005 χ^2/NDF: 1615076.4/29

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

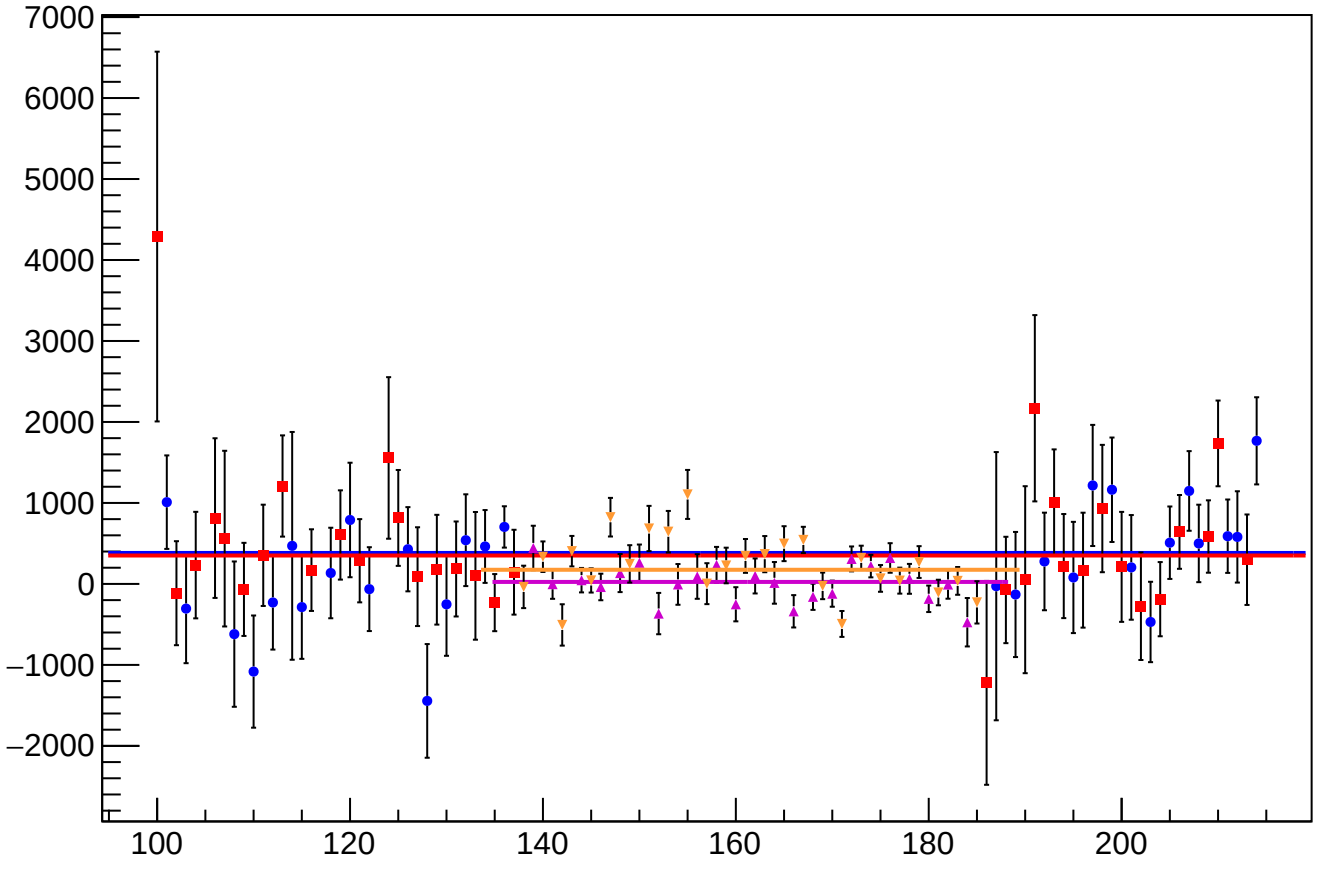
Right Out: 29.757+/-0.005 χ^2/NDF: 2342851.3/33

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.579+/-0.003 χ^2/NDF: 4105472.5/54

All: 22.804+/-0.002 χ^2/NDF: 9344943.4/111

- sign 23.045+/-0.003 χ^2/NDF: 5224932.0/56



Right In: 382.420+/-101.268 χ^2/NDF: 36.9/29

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

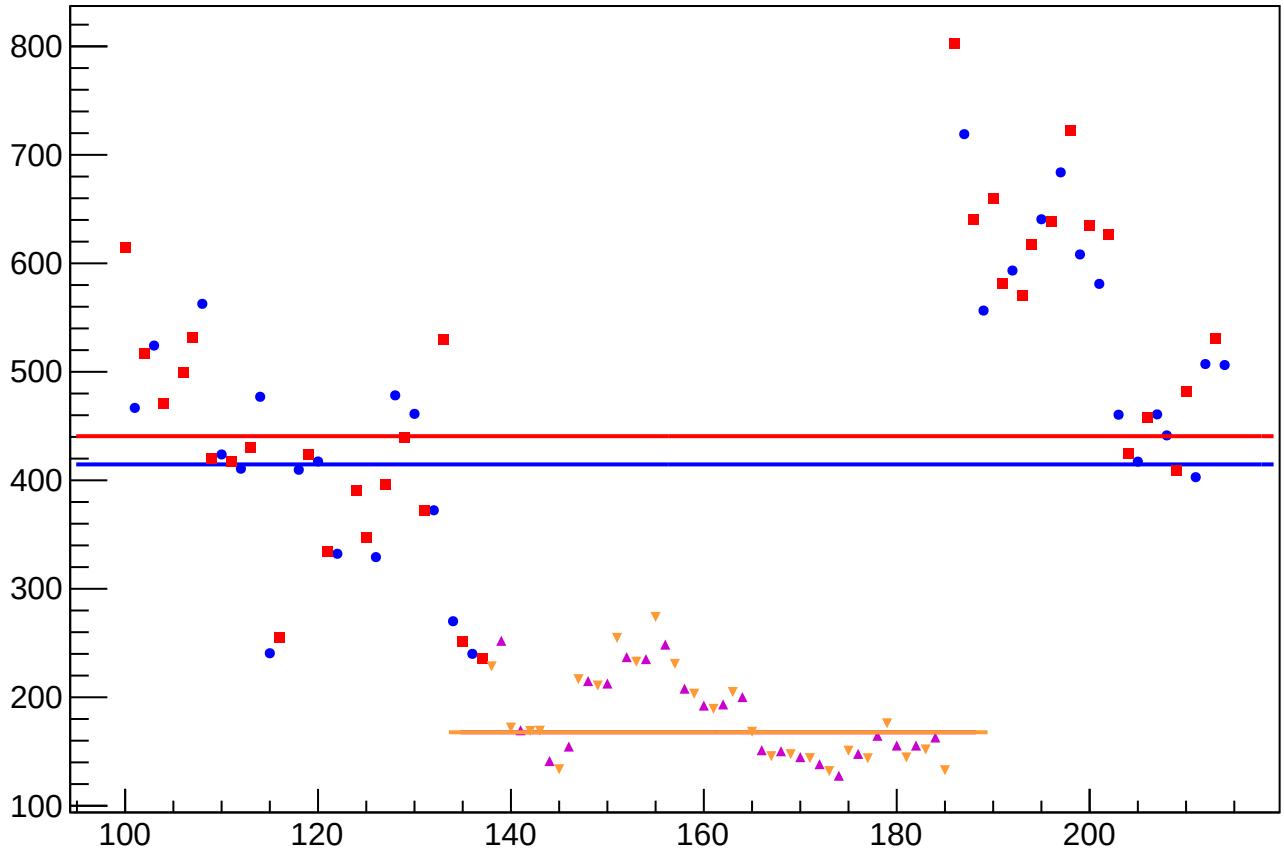
Right Out: 350.855+/-105.692 χ^2/NDF: 28.0/33

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 201.579+/-36.434 χ^2/NDF: 111.7/54

All: 135.487+/-26.121 χ^2/NDF: 181.7/111

- sign 65.592+/-37.468 χ^2/NDF: 63.2/56



Right In: 414.661+/-0.072 χ^2/NDF: 2815168.5/29

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 440.668+/-0.075 χ^2/NDF: 2923948.4/33

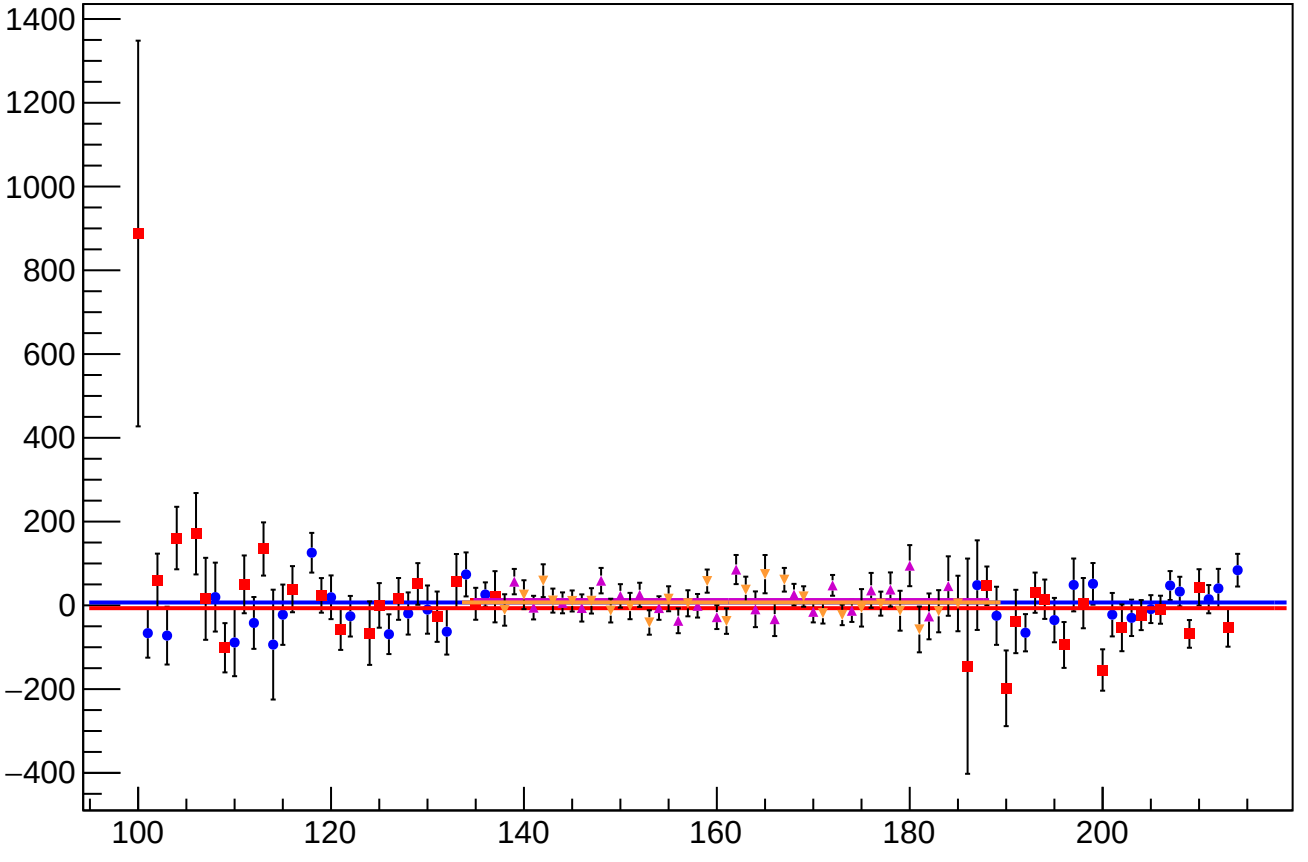
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 199.714+/-0.026 χ^2/NDF: 14743512.3/54

All: 200.848+/-0.018 χ^2/NDF: 30734281.0/11

- sign 202.046+/-0.026 χ^2/NDF: 15986786.3/56

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 6.859+/-8.830 χ^2/NDF: 31.6/29

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -6.754+/-9.084 χ^2/NDF: 52.6/33

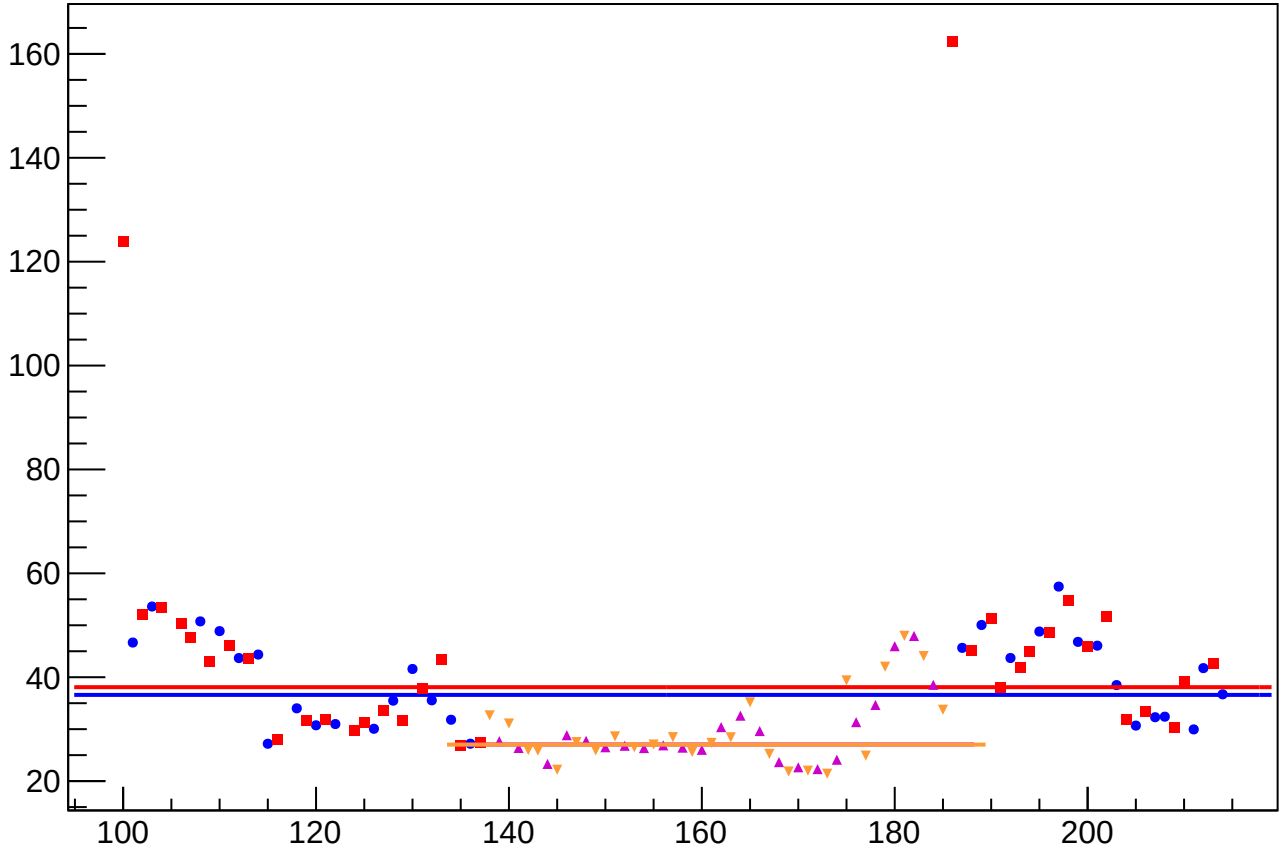
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 7.005+/-5.146 χ^2/NDF: 54.3/54

All: 6.561+/-3.690 χ^2/NDF: 135.6/111

- sign 6.092+/-5.293 χ^2/NDF: 81.2/56

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.598+/-0.006 χ^2/NDF: 1536421.3/29

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.084+/-0.006 χ^2/NDF: 2096793.1/33

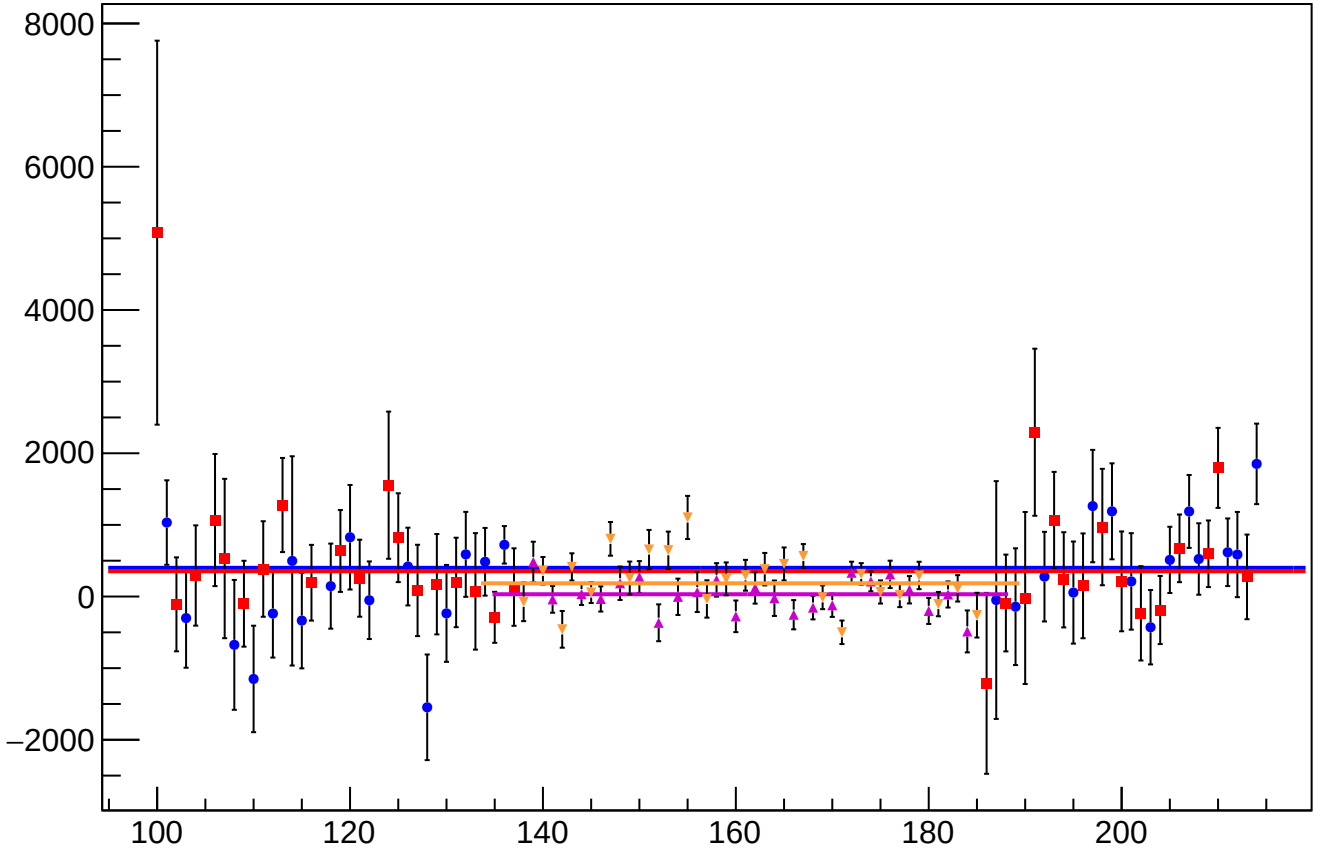
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.278+/-0.004 χ^2/NDF: 4518685.2/54

All: 30.530+/-0.003 χ^2/NDF: 9617811.1/111

- sign 30.798+/-0.004 χ^2/NDF: 5089191.4/56

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 400.670+/-105.397 χ^2/NDF: 36.5/29

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

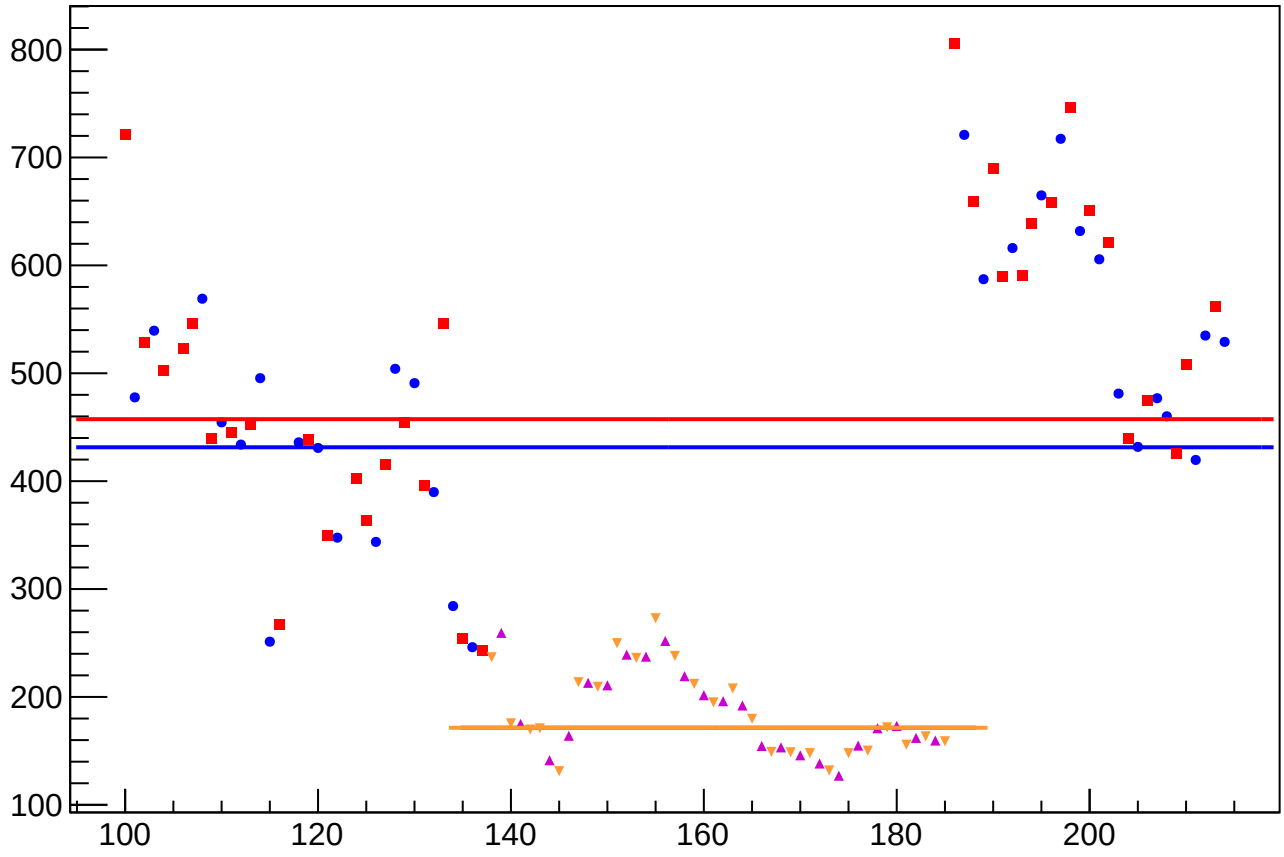
Right Out: 352.996+/-109.485 χ^2/NDF: 29.2/33

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 211.669+/-37.260 χ^2/NDF: 107.8/54

All: 143.574+/-26.732 χ^2/NDF: 177.8/111

- sign 71.341+/-38.375 χ^2/NDF: 63.1/56



Right In: 431.394+/-0.075 χ^2/NDF: 2865414.5/29

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 457.446+/-0.077 χ^2/NDF: 2919294.8/33

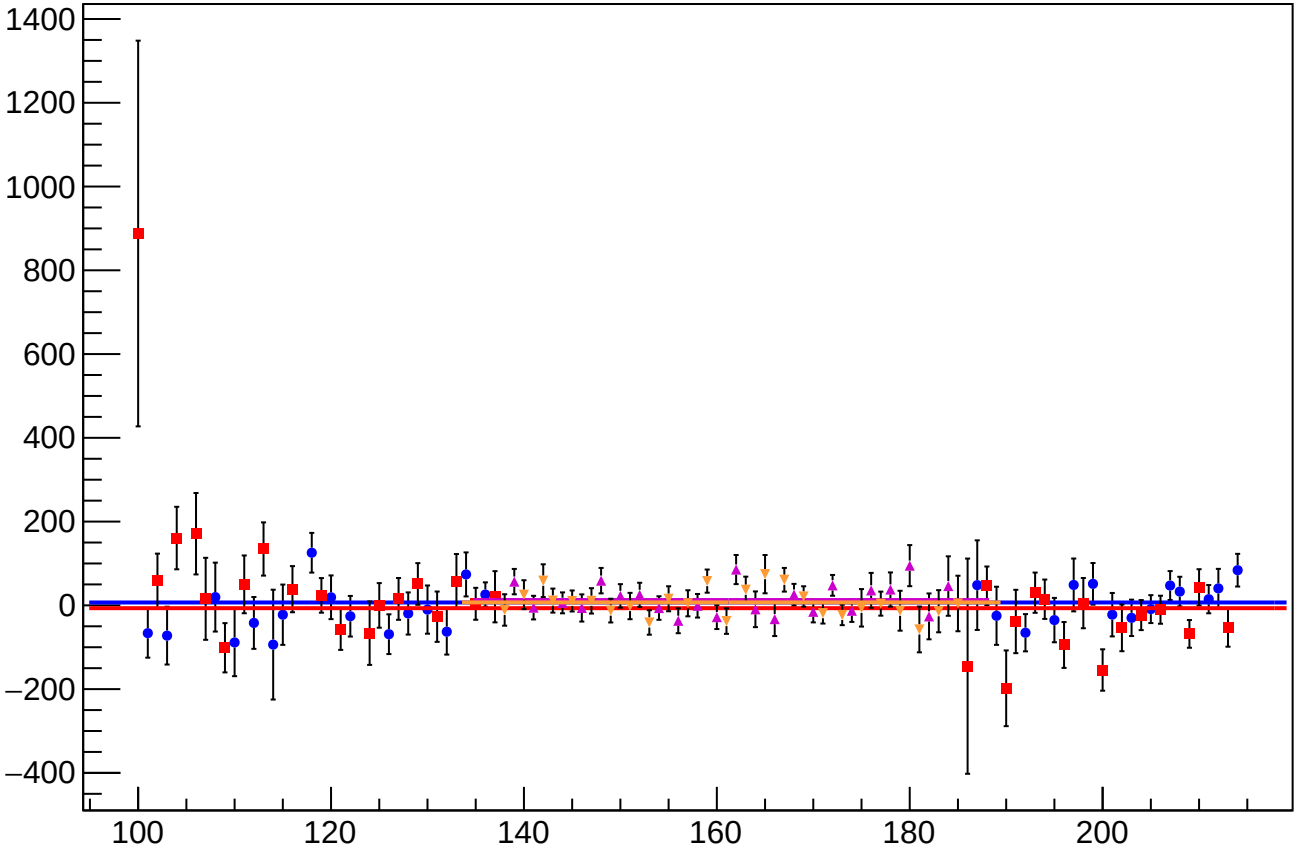
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 203.916+/-0.026 χ^2/NDF: 15039274.0/54

All: 205.229+/-0.019 χ^2/NDF: 31346640.1/11

- sign 206.622+/-0.027 χ^2/NDF: 16302250.2/56

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 6.858+/-8.830 χ^2/NDF: 31.6/29

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -6.754+/-9.084 χ^2/NDF: 52.6/33

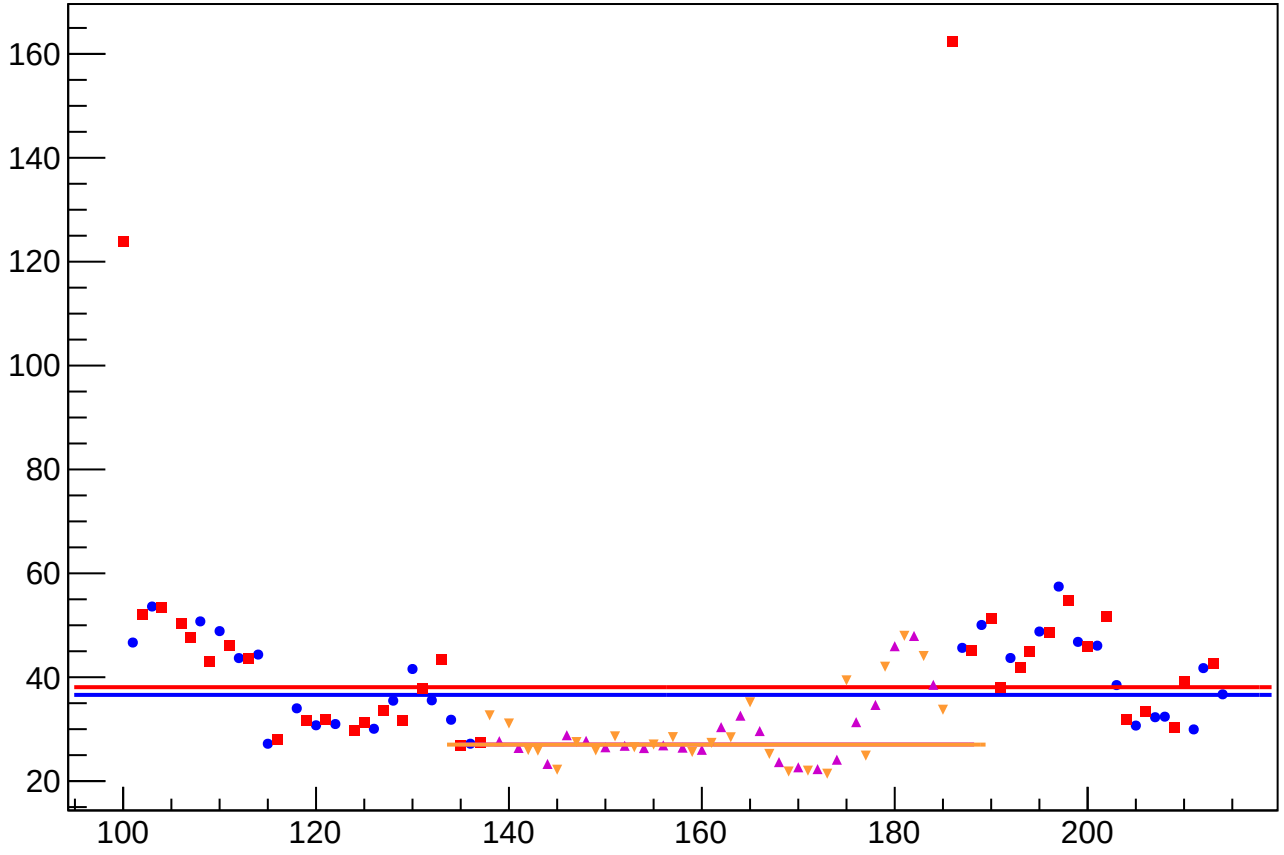
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 7.004+/-5.146 χ^2/NDF: 54.3/54

All: 6.561+/-3.690 χ^2/NDF: 135.6/111

- sign 6.092+/-5.293 χ^2/NDF: 81.2/56

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 36.597+/-0.006 χ^2/NDF: 1536399.1/29

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

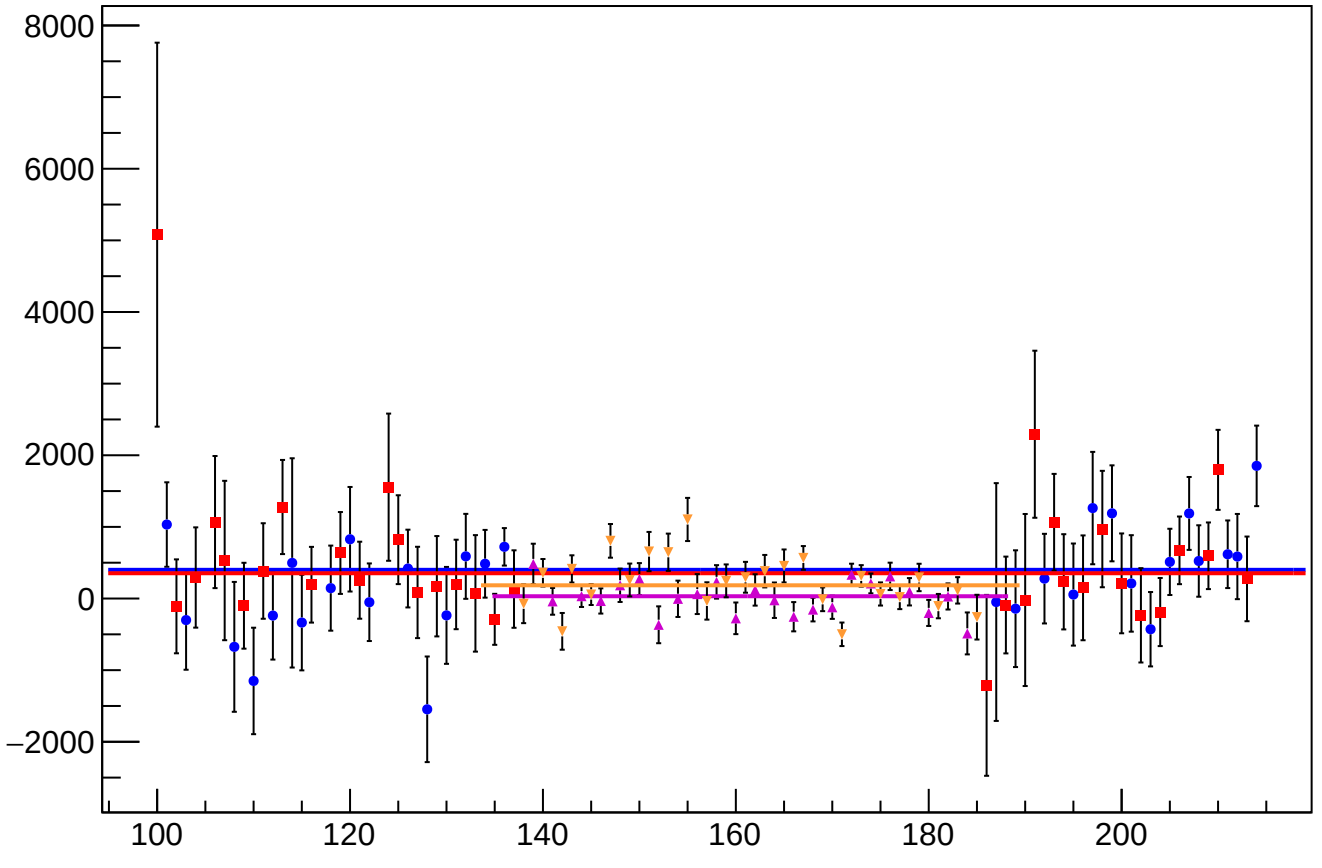
Right Out: 38.084+/-0.006 χ^2/NDF: 2096769.9/33

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.278+/-0.004 χ^2/NDF: 4518574.0/54

All: 30.530+/-0.003 χ^2/NDF: 9617600.5/111

- sign 30.798+/-0.004 χ^2/NDF: 5089091.6/56



Right In: 400.667+/-105.397 χ^2/NDF: 36.5/29

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

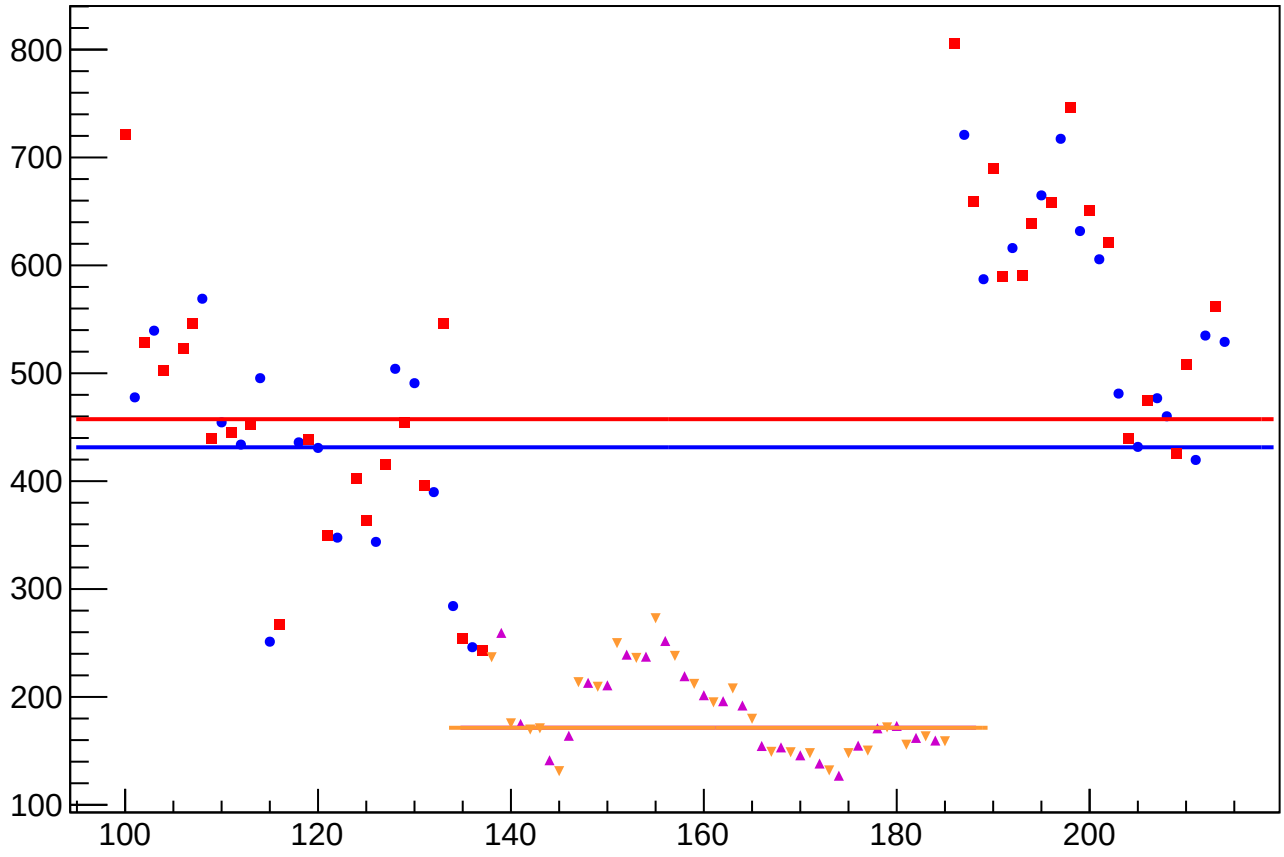
Right Out: 352.995+/-109.485 χ^2/NDF: 29.2/33

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 211.668+/-37.260 χ^2/NDF: 107.8/54

All: 143.573+/-26.732 χ^2/NDF: 177.8/111

- sign 71.341+/-38.375 χ^2/NDF: 63.1/56



Right In: 431.393+/-0.075 χ^2/NDF: 2865422.1/29

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 457.446+/-0.077 χ^2/NDF: 2919306.3/33

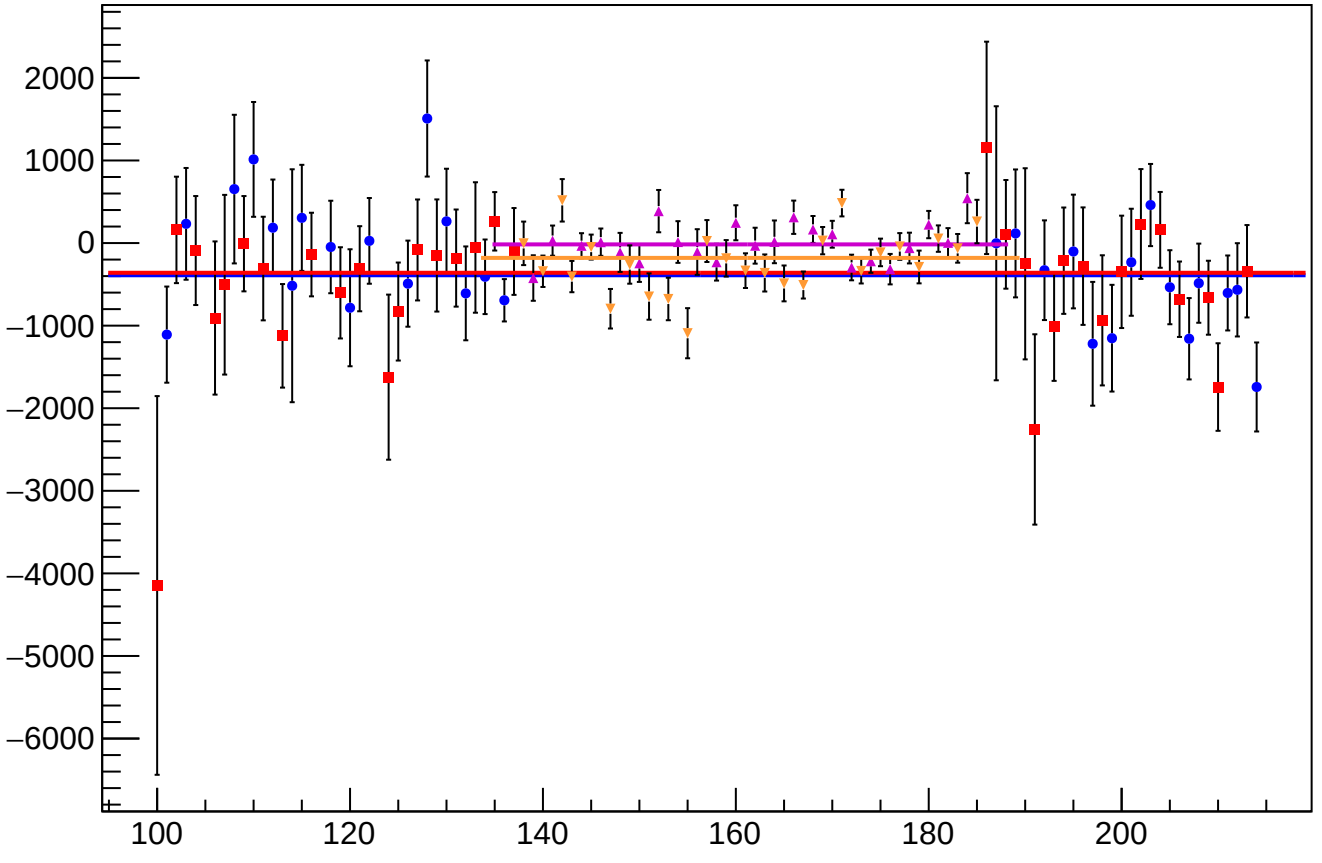
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 203.916+/-0.026 χ^2/NDF: 15039321.2/54

All: 205.228+/-0.019 χ^2/NDF: 31346747.4/11

- sign 206.621+/-0.027 χ^2/NDF: 16302310.7/56

asym_sam_1357_2468_dd_mean vs Slug



Right In: -389.913+/-101.559 χ^2/NDF: 36.7/29

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -359.814+/-105.895 χ^2/NDF: 28.3/33

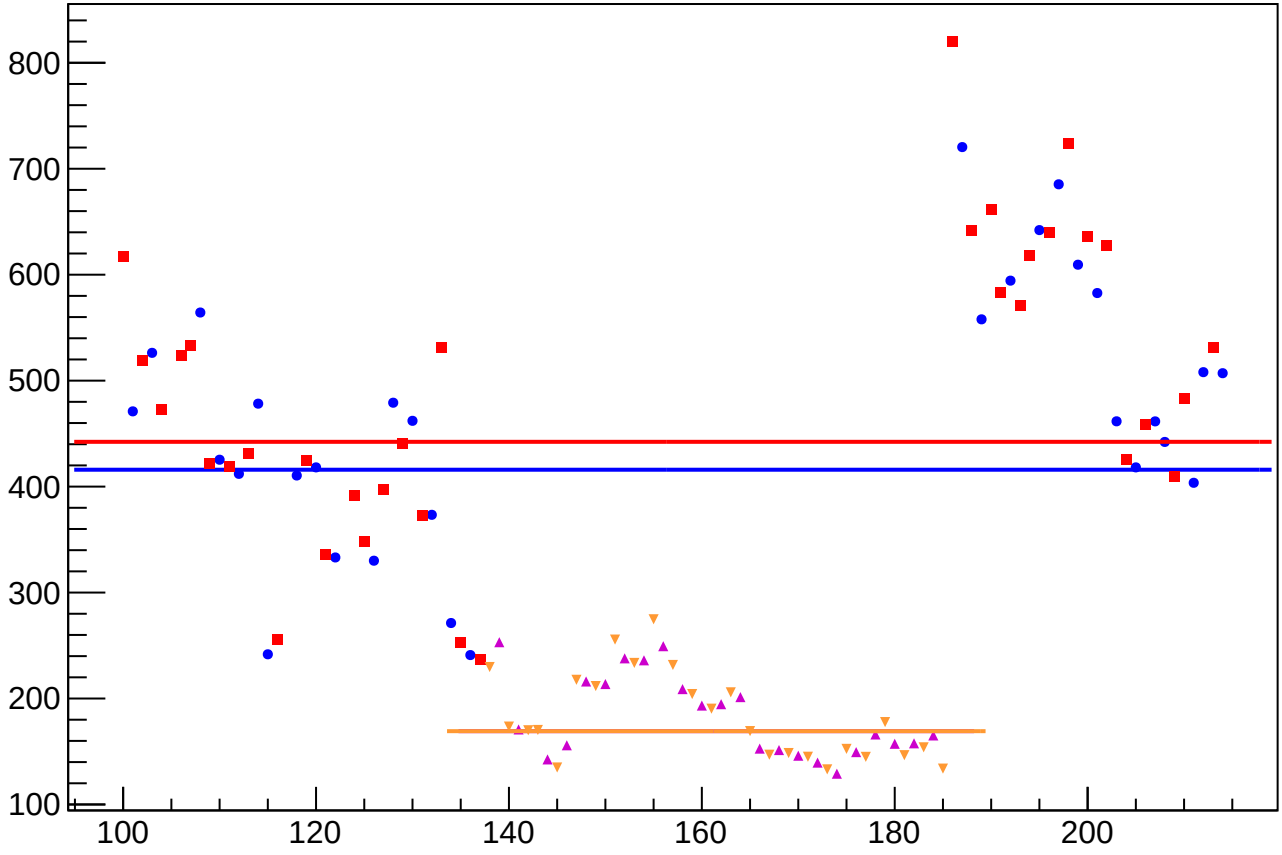
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -207.117+/-36.703 χ^2/NDF: 107.5/54

All: -135.481+/-26.313 χ^2/NDF: 179.5/111

- sign -59.726+/-37.743 χ^2/NDF: 64.1/56

asym_sam_1357_2468_dd_rms vs Slug



Right In: 415.936+/-0.072 χ^2/NDF: 2804116.0/29

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

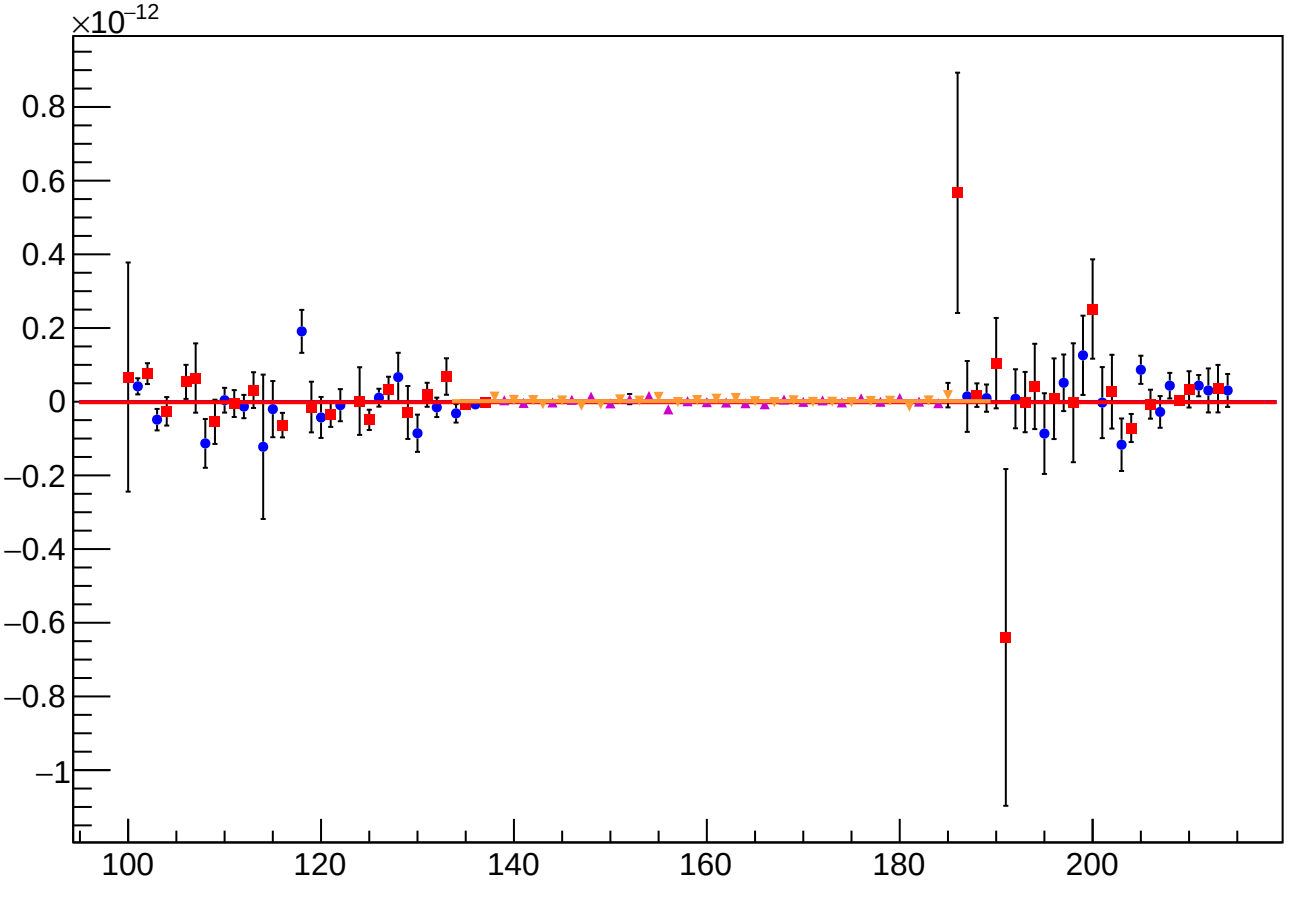
Right Out: 442.266+/-0.075 χ^2/NDF: 2930862.1/33

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 201.410+/-0.026 χ^2/NDF: 14616489.3/54

All: 202.609+/-0.019 χ^2/NDF: 30536681.6/11

- sign 203.878+/-0.027 χ^2/NDF: 15915797.4/56



Right In: -0.000+/-0.000 χ^2/NDF: 43.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

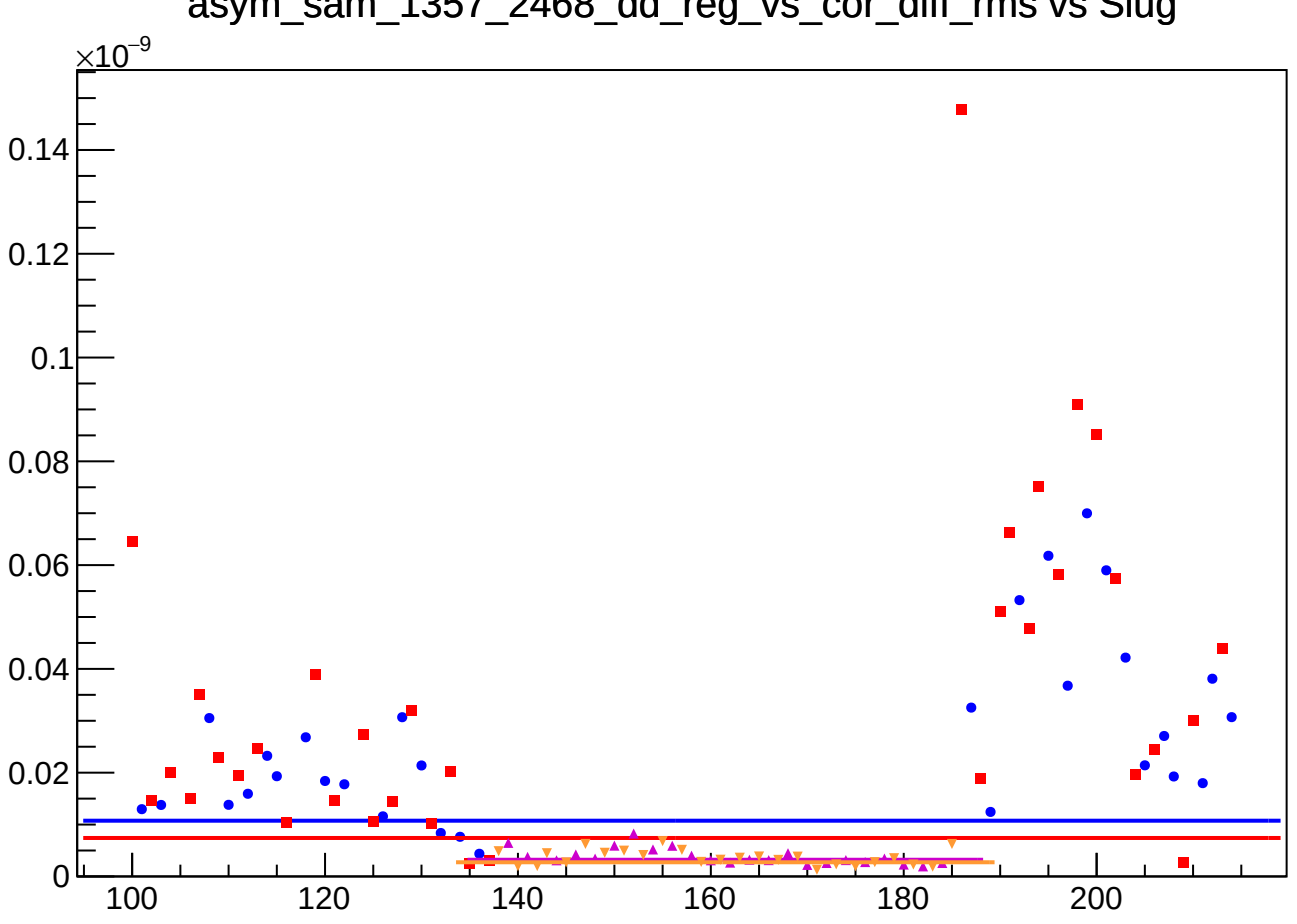
Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/33

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/54

All: 0.000+/-0.000 χ^2/NDF: 120.5/111

- sign 0.000+/-0.000 χ^2/NDF: 57.7/56



Right In: 0.000+/-0.000 χ^2/NDF: 6753485.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

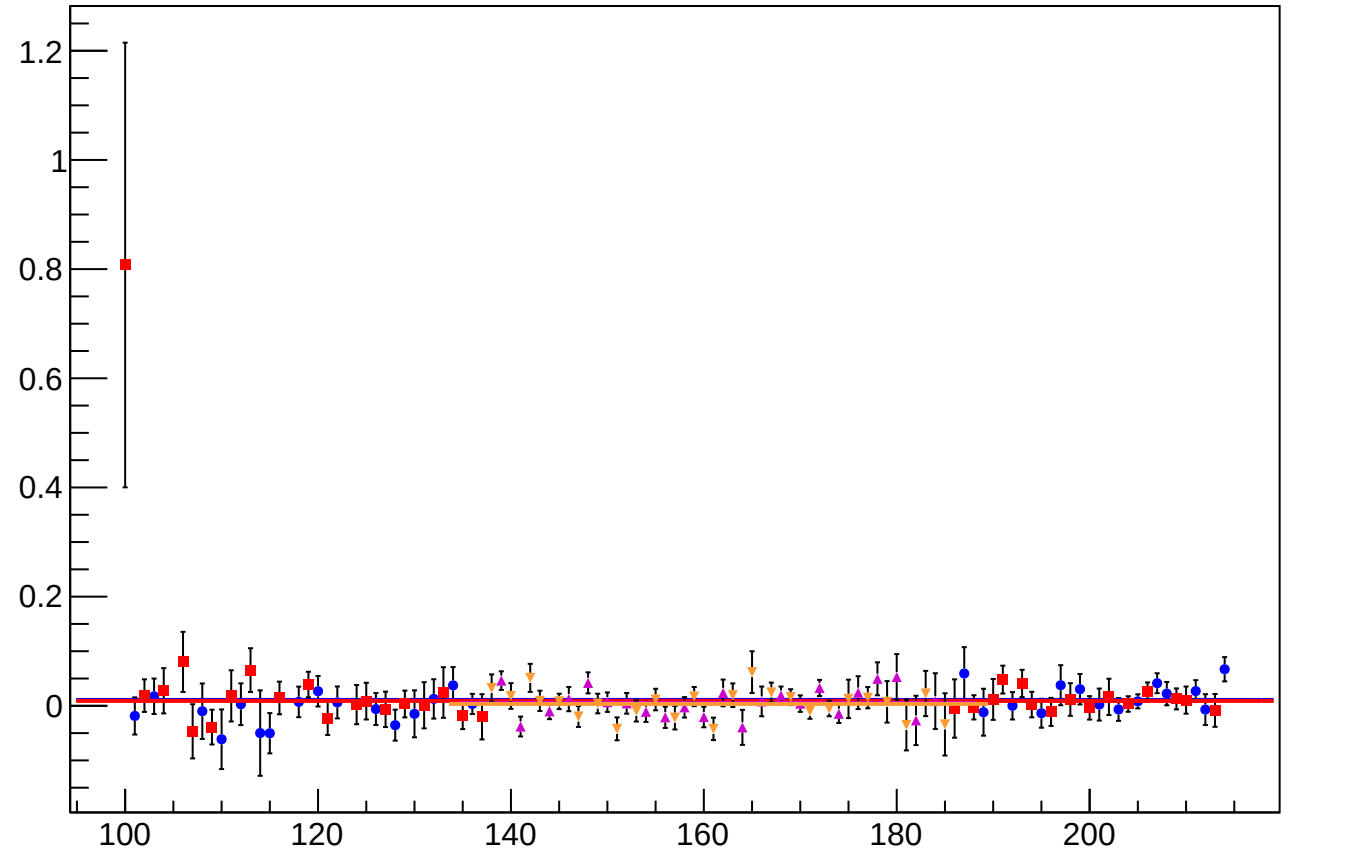
Right Out: 0.000+/-0.000 χ^2/NDF: 9832361.0/33

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13147149.1/54

All: 0.000+/-0.000 χ^2/NDF: 26028167.6/111

- sign 0.000+/-0.000 χ^2/NDF: 12750539.1/56



Right In: 0.011+/-0.005 χ^2/NDF: 25.3/29

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.005 χ^2/NDF: 23.3/33

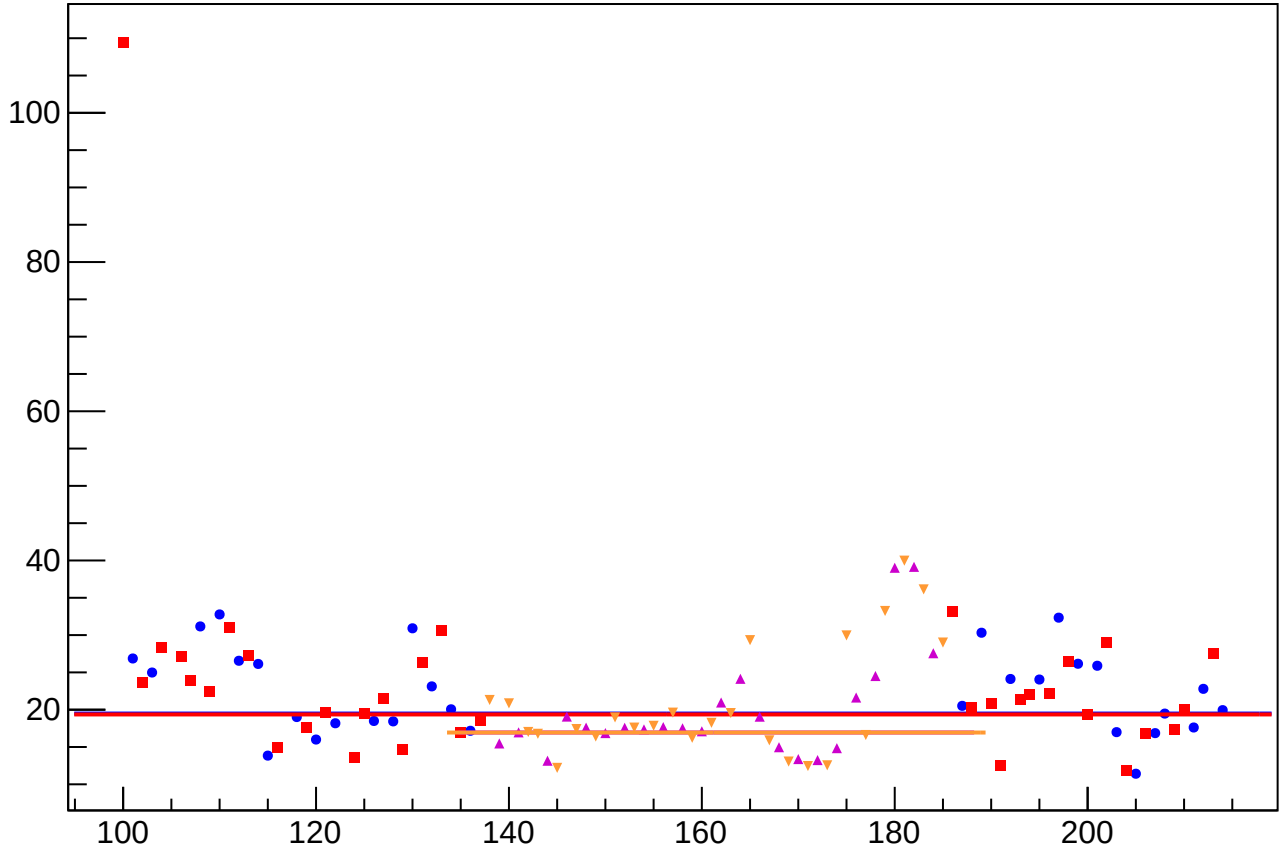
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

\+ sign 0.006+/-0.003 χ^2/NDF: 53.5/54

All: 0.007+/-0.002 χ^2/NDF: 110.3/111

\- sign 0.007+/-0.003 χ^2/NDF: 56.8/56

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.483+/-0.003 χ^2/NDF: 2347629.4/29

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

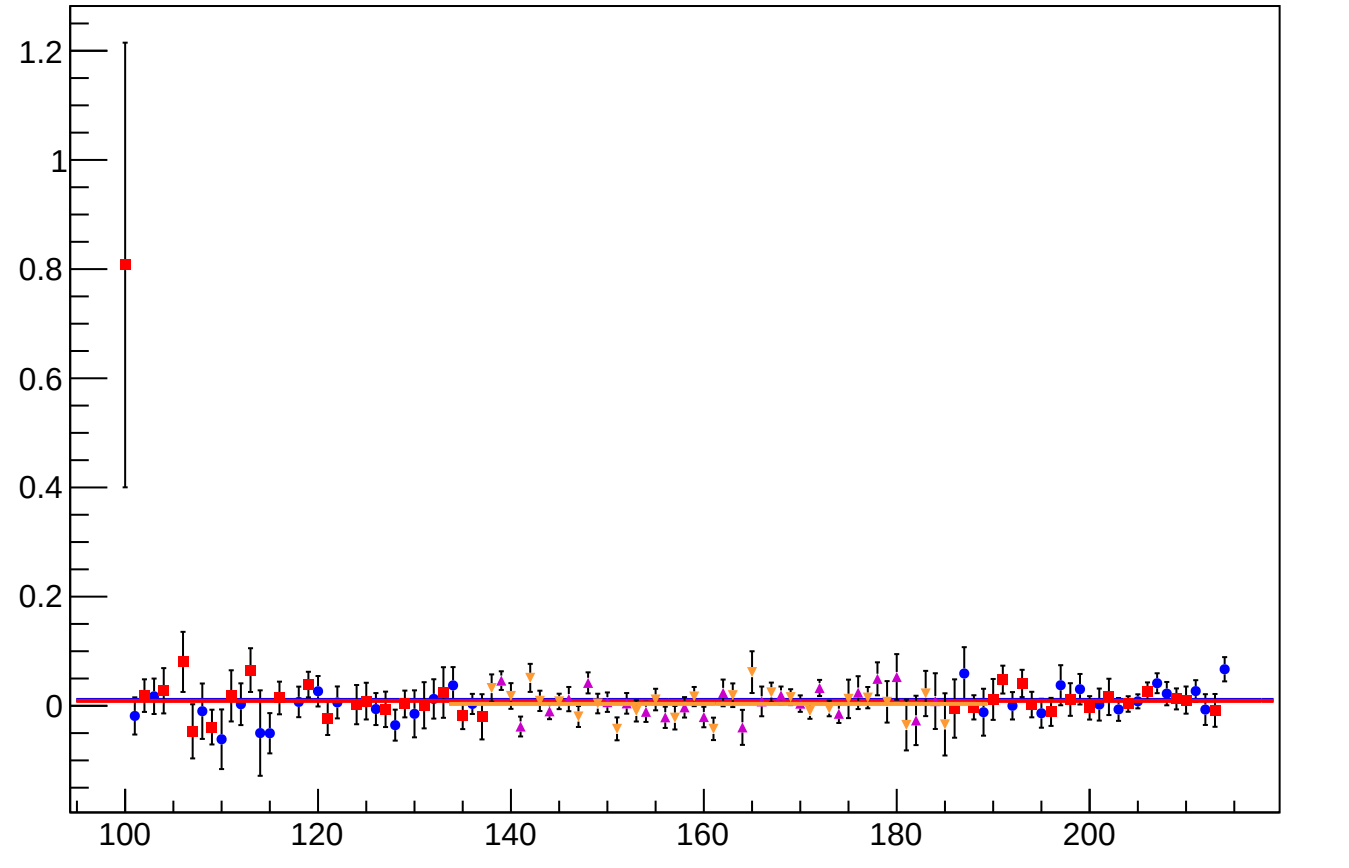
Right Out: 19.363+/-0.003 χ^2/NDF: 2286696.9/33

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.987+/-0.002 χ^2/NDF: 5503171.3/54

All: 17.990+/-0.002 χ^2/NDF: 10020998.8/111

- sign 17.993+/-0.002 χ^2/NDF: 4517823.8/56



Right In: 0.011+/-0.005 χ^2/NDF: 25.3/29

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

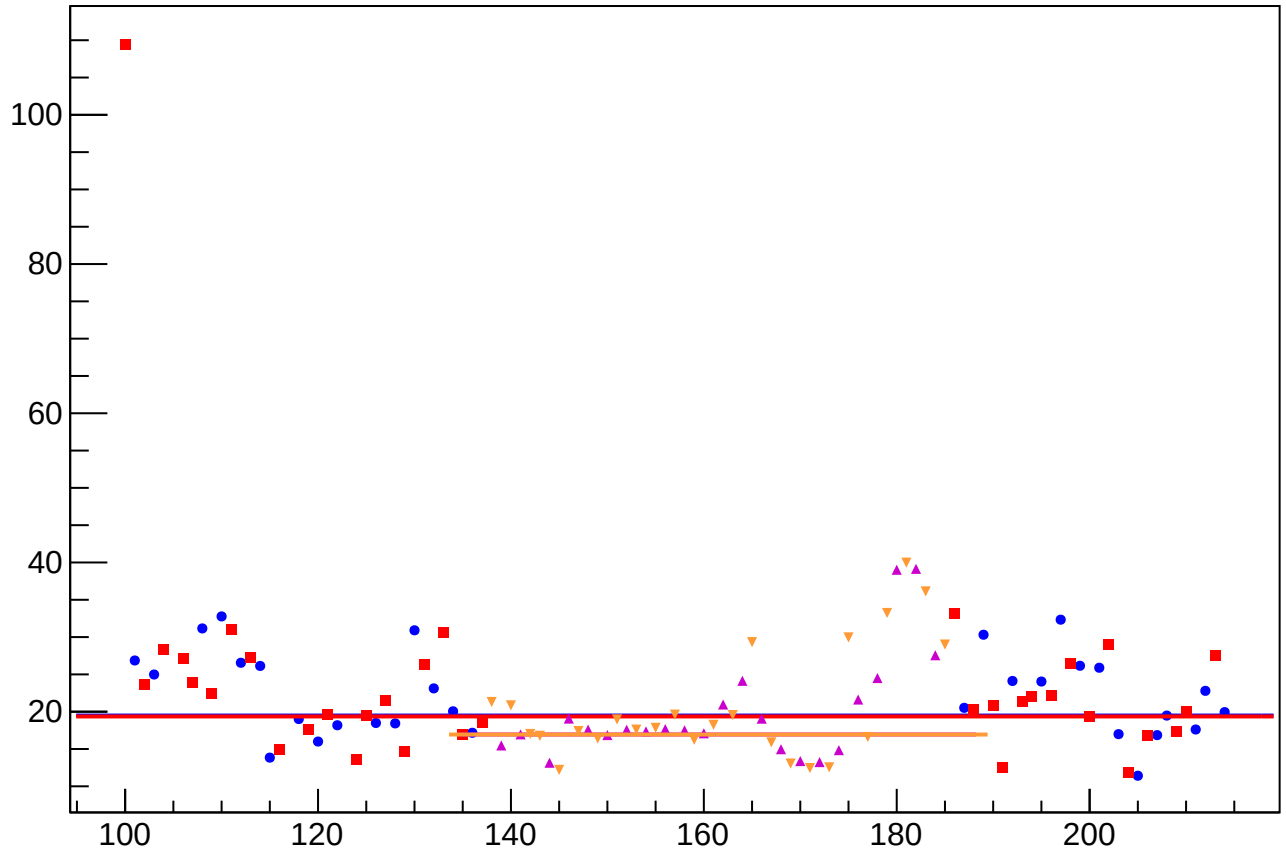
Right Out: 0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.5/54

All: 0.007+/-0.002 χ^2/NDF: 110.3/111

- sign 0.007+/-0.003 χ^2/NDF: 56.8/56



Right In: 19.483+/-0.003 χ^2/NDF: 2347629.4/29

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

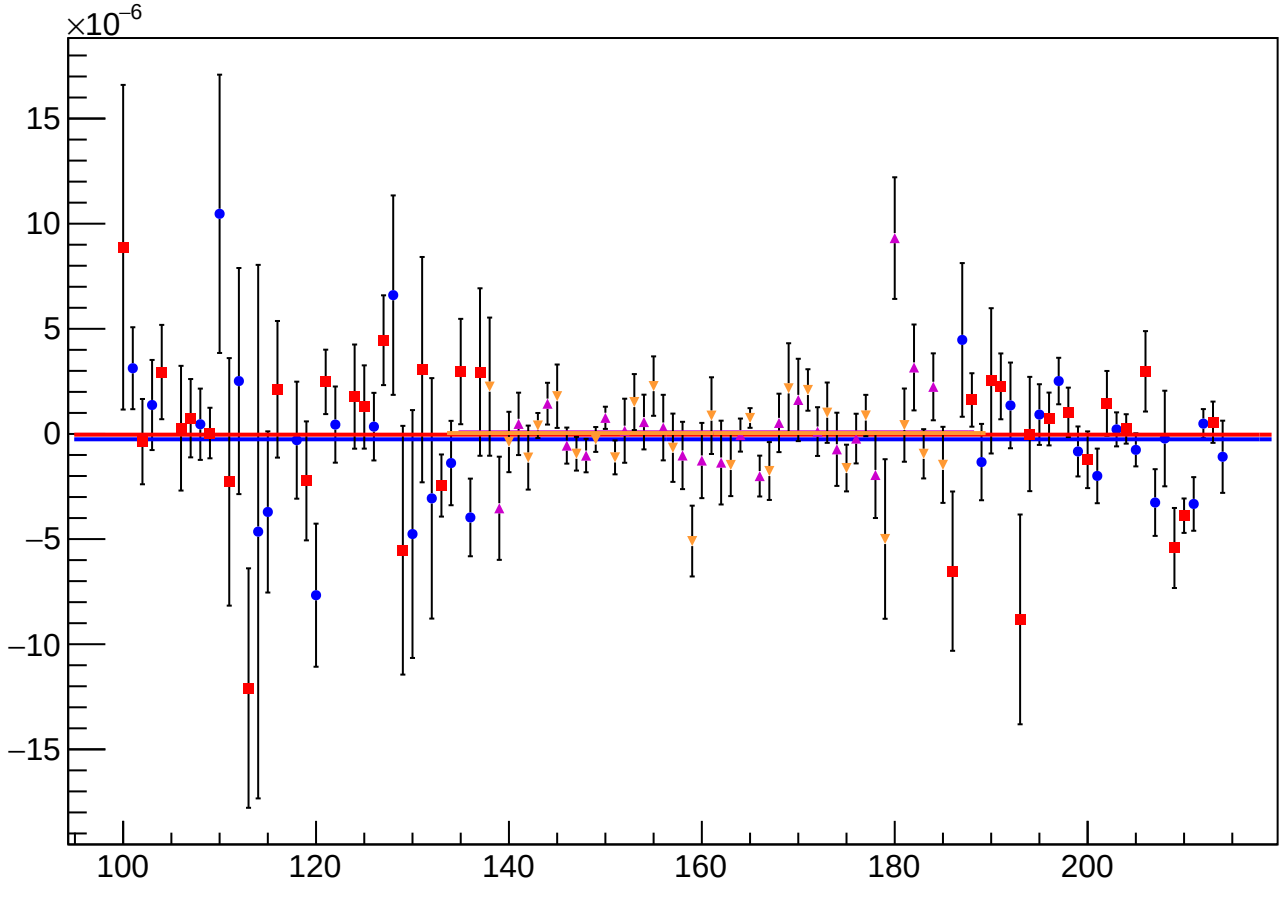
Right Out: 19.363+/-0.003 χ^2/NDF: 2286696.9/33

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.987+/-0.002 χ^2/NDF: 5503171.3/54

All: 17.990+/-0.002 χ^2/NDF: 10020998.8/111

- sign 17.993+/-0.002 χ^2/NDF: 4517823.8/56



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

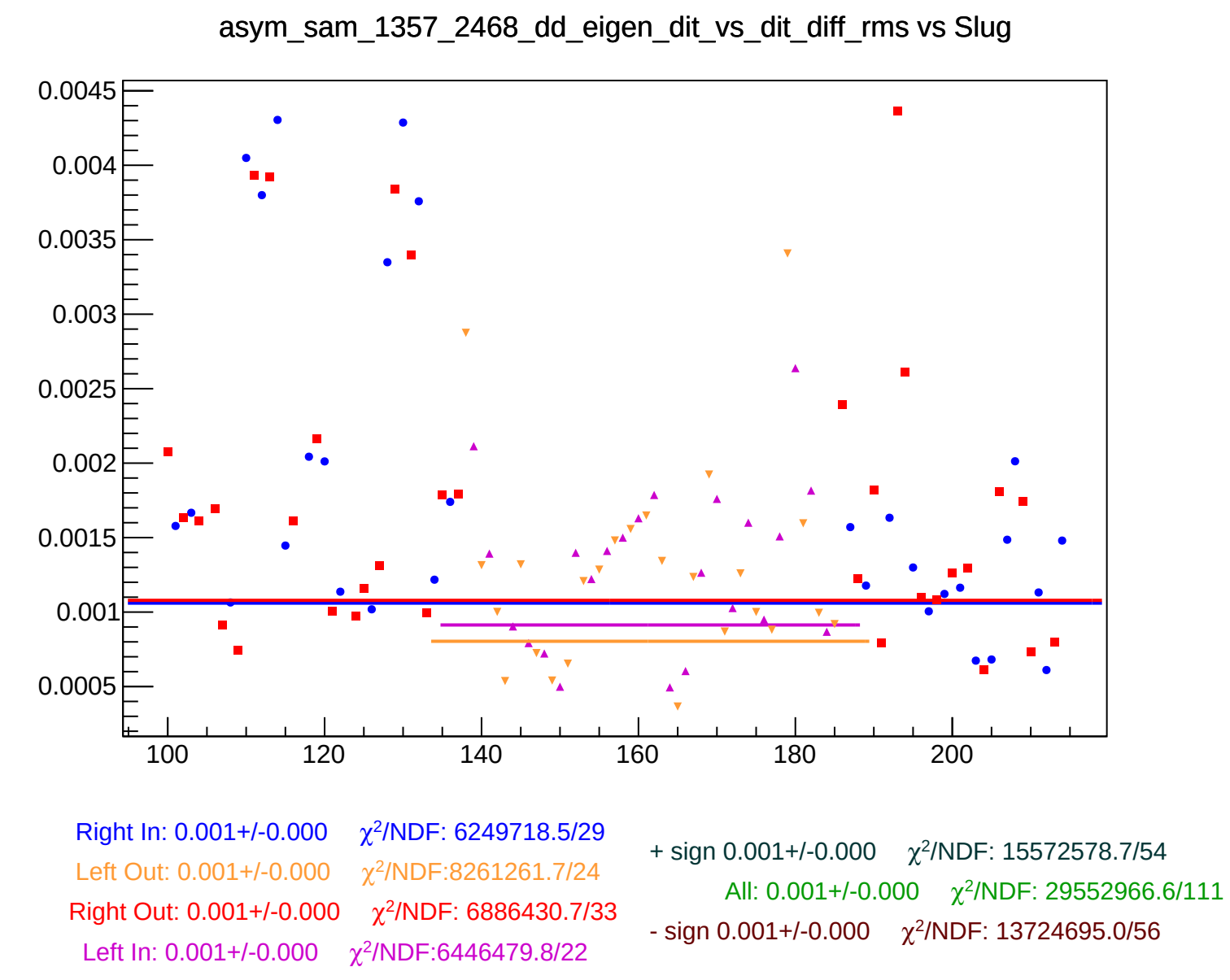
Right Out: -0.000+/-0.000 χ^2/NDF: 69.4/33

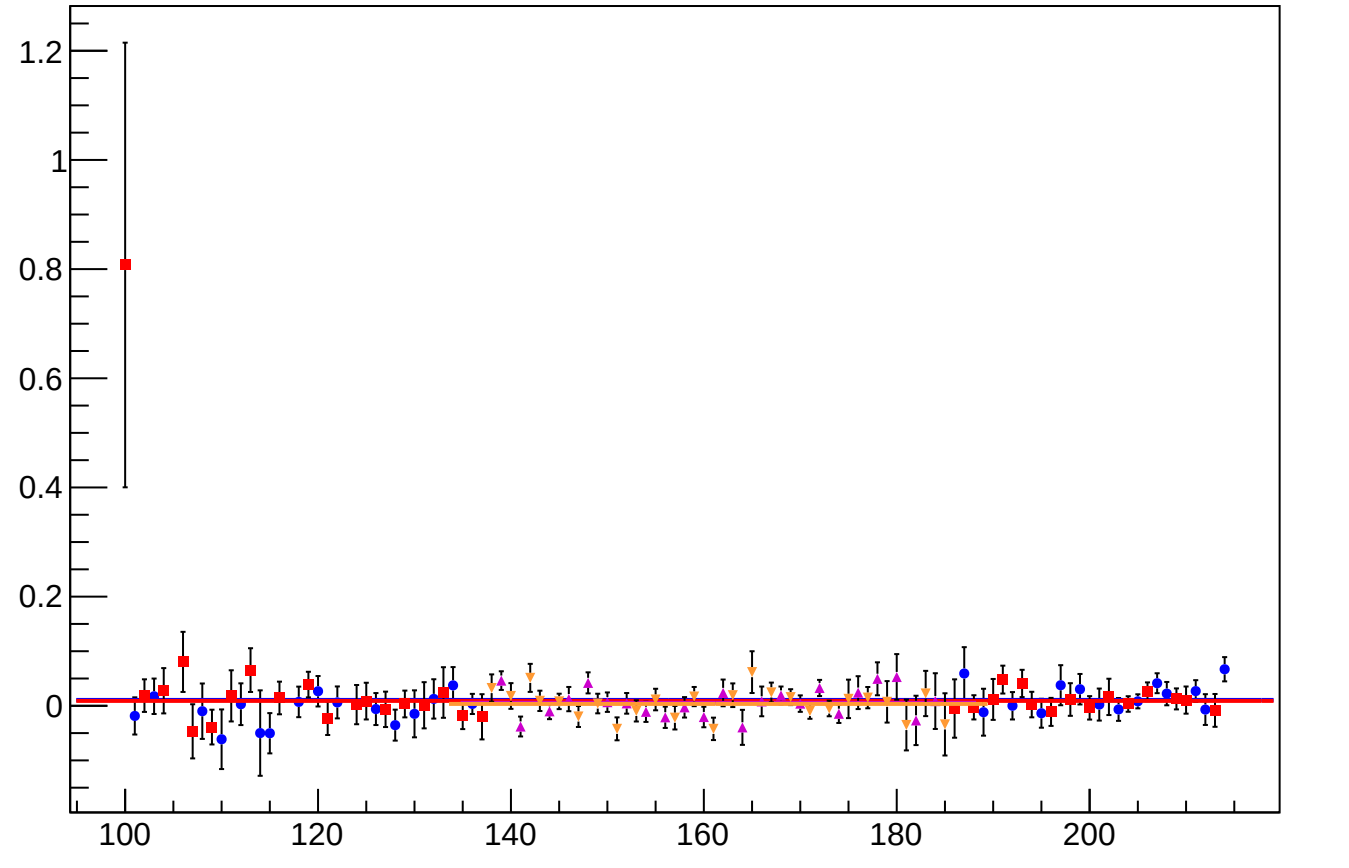
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.0/54

All: -0.000+/-0.000 χ^2/NDF: 181.6/111

- sign 0.000+/-0.000 χ^2/NDF: 100.5/56


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 6249718.5/29
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 6886430.7/33
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 15572578.7/54
All: 0.001+/-0.000 χ²/NDF: 29552966.6/111
- sign 0.001+/-0.000 χ²/NDF: 13724695.0/56



Right In: 0.011+/-0.005 χ^2/NDF: 25.3/29

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

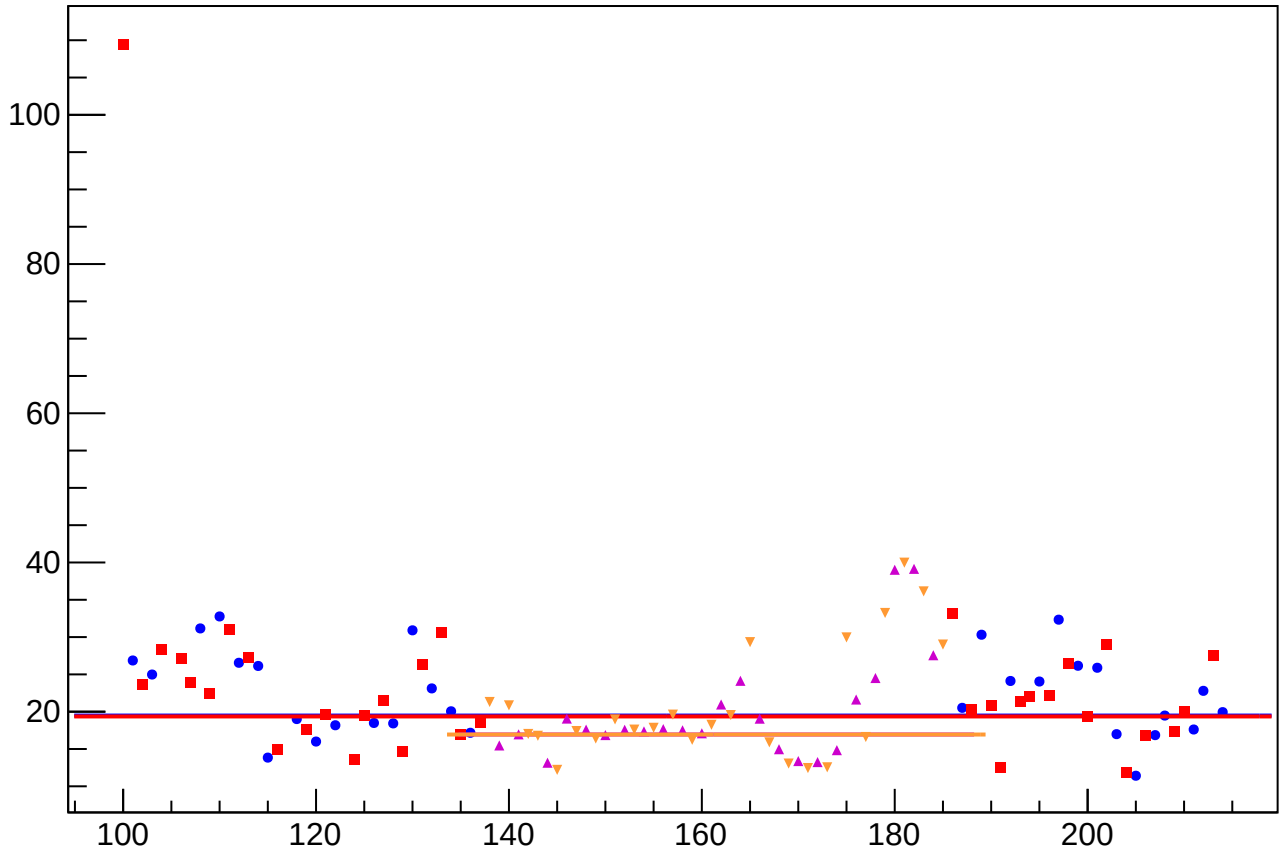
Right Out: 0.009+/-0.005 χ^2/NDF: 23.3/33

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.5/54

All: 0.007+/-0.002 χ^2/NDF: 110.3/111

- sign 0.007+/-0.003 χ^2/NDF: 56.8/56



Right In: 19.483+/-0.003 χ^2/NDF: 2347641.1/29

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

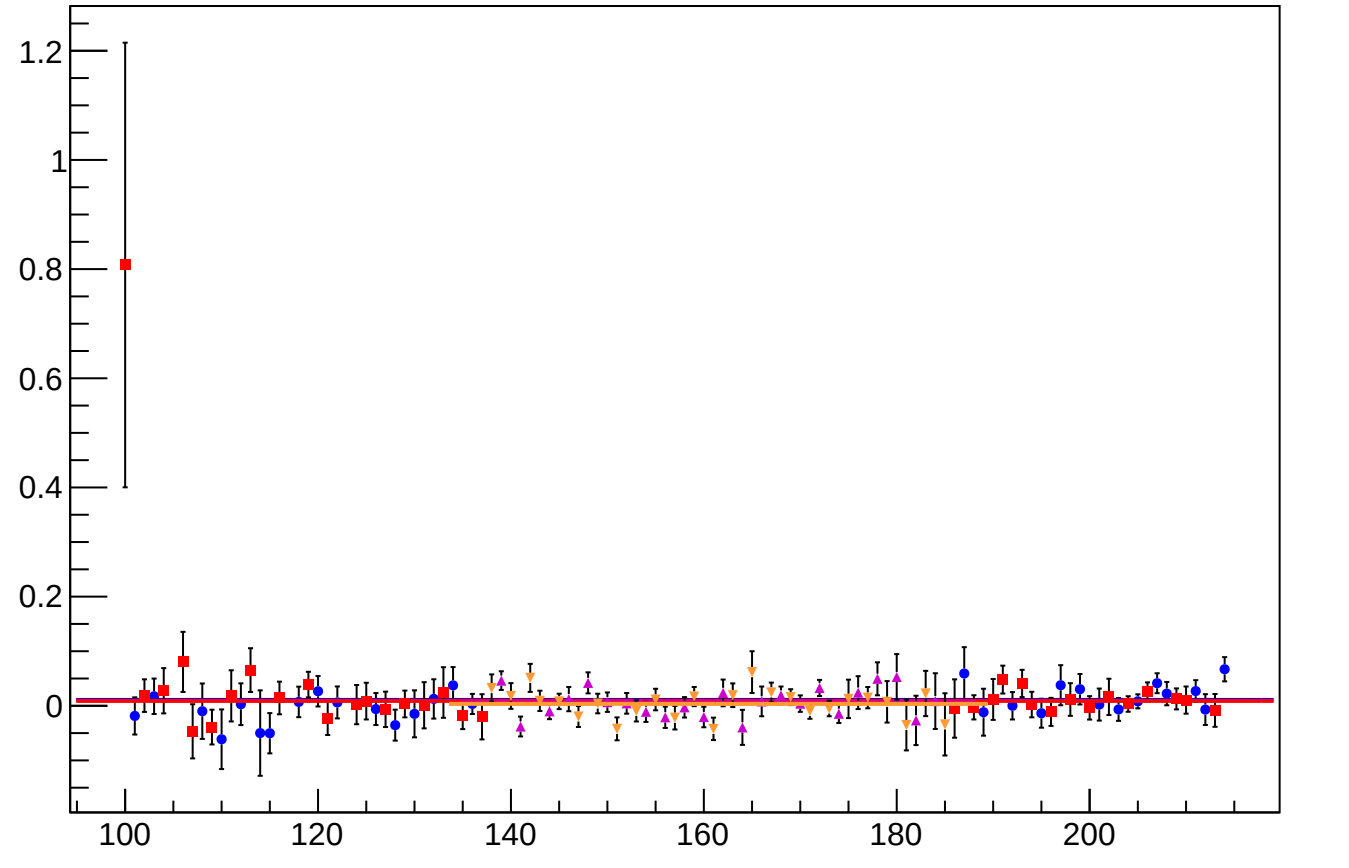
Right Out: 19.363+/-0.003 χ^2/NDF: 2286698.1/33

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.987+/-0.002 χ^2/NDF: 5503061.6/54

All: 17.990+/-0.002 χ^2/NDF: 10020825.0/111

- sign 17.993+/-0.002 χ^2/NDF: 4517759.7/56



Right In: 0.011+/-0.005 χ^2/NDF: 25.3/29

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.005 χ^2/NDF: 23.3/33

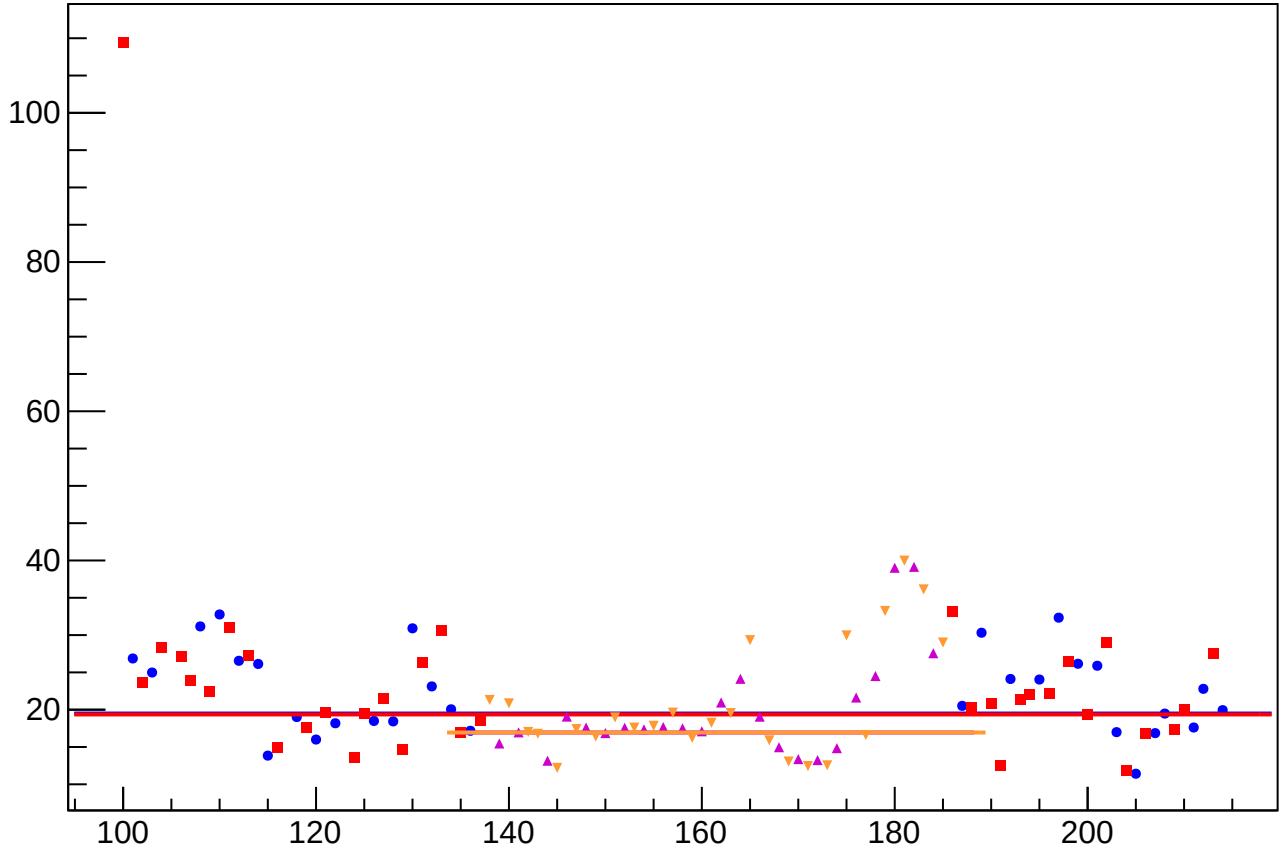
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.006+/-0.003 χ^2/NDF: 53.5/54

All: 0.007+/-0.002 χ^2/NDF: 110.3/111

- sign 0.007+/-0.003 χ^2/NDF: 56.8/56

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.483+/-0.003 χ^2/NDF: 2347641.1/29

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

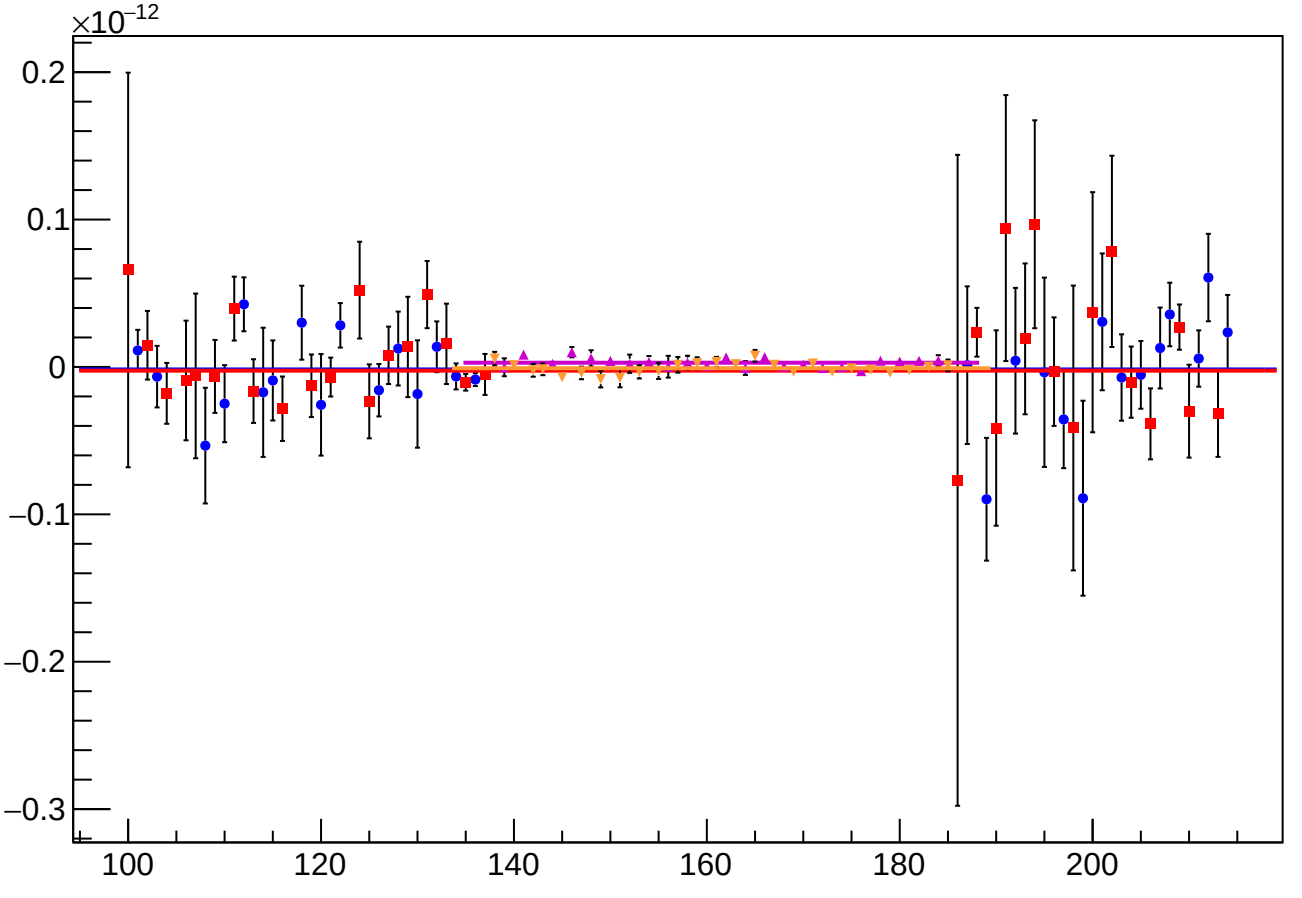
Right Out: 19.363+/-0.003 χ^2/NDF: 2286698.1/33

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.987+/-0.002 χ^2/NDF: 5503061.6/54

All: 17.990+/-0.002 χ^2/NDF: 10020825.0/111

- sign 17.993+/-0.002 χ^2/NDF: 4517759.7/56



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/29

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

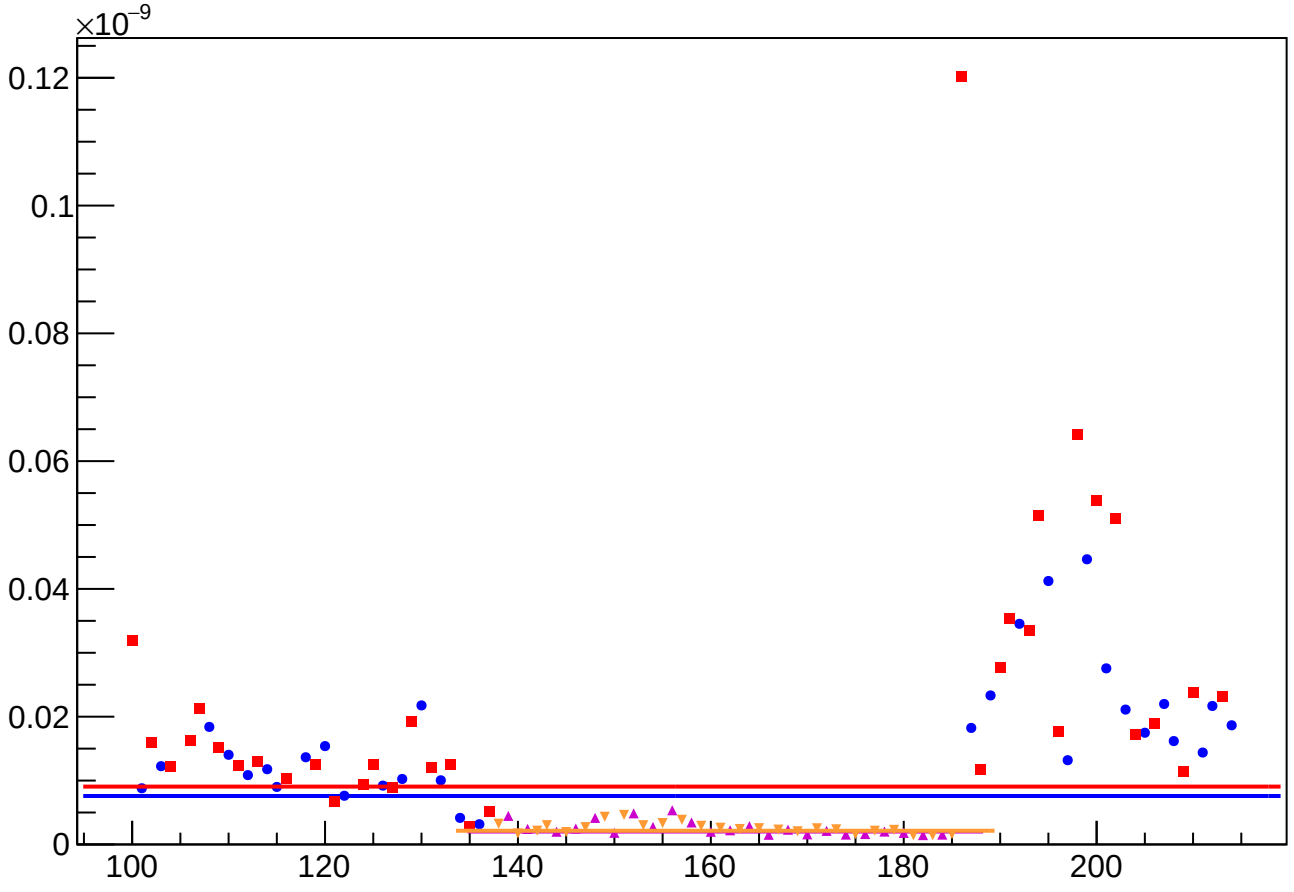
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/33

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.5/54

All: 0.000+/-0.000 χ^2/NDF: 137.4/111

- sign 0.000+/-0.000 χ^2/NDF: 60.3/56



Right In: 0.000+/-0.000 χ^2/NDF: 8699081.2/29

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9455764.3/33

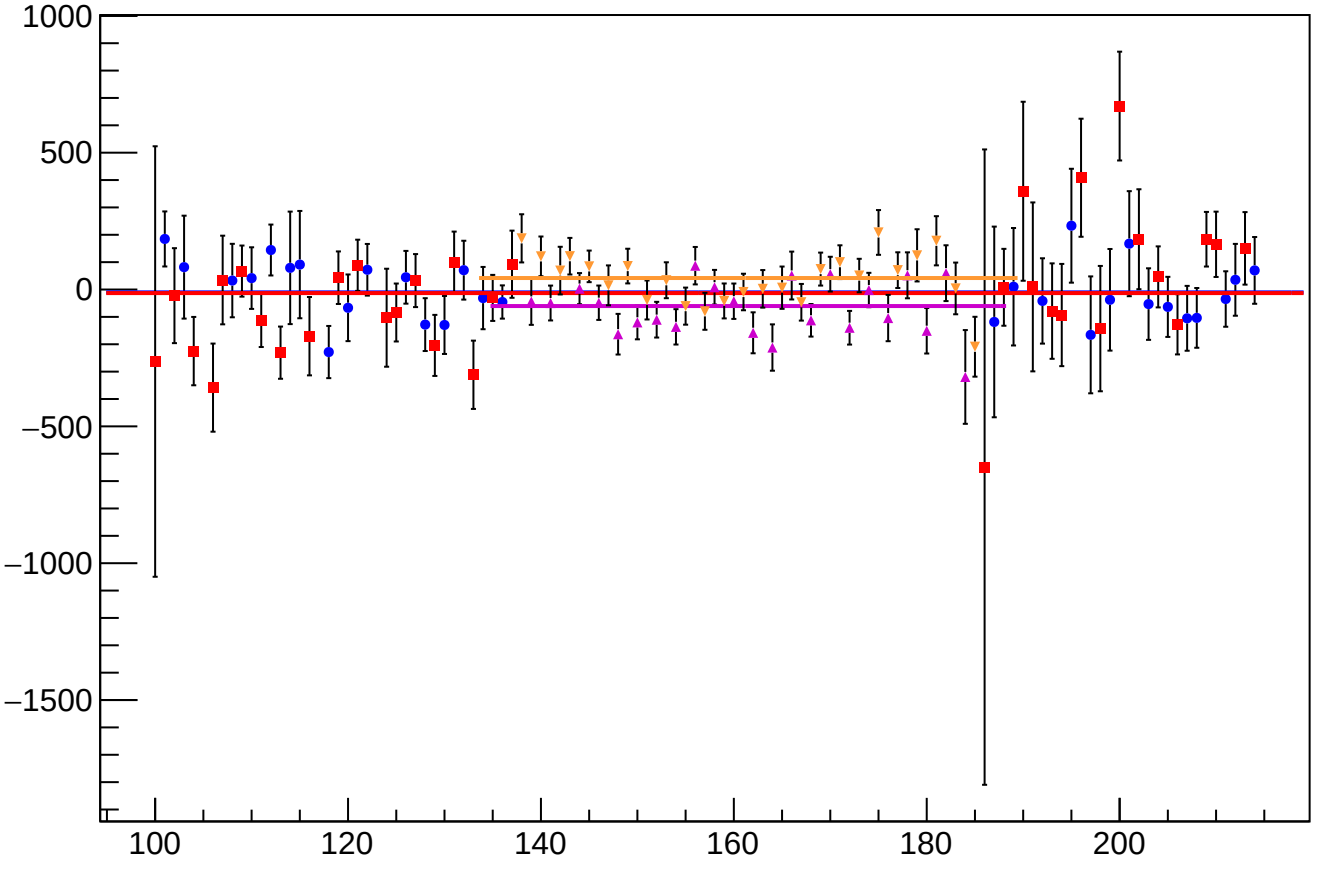
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17083988.3/54

All: 0.000+/-0.000 χ^2/NDF: 36875887.7/111

- sign 0.000+/-0.000 χ^2/NDF: 19748855.5/56

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -10.464+/-21.582 χ^2/NDF: 23.0/29

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -13.023+/-22.054 χ^2/NDF: 56.9/33

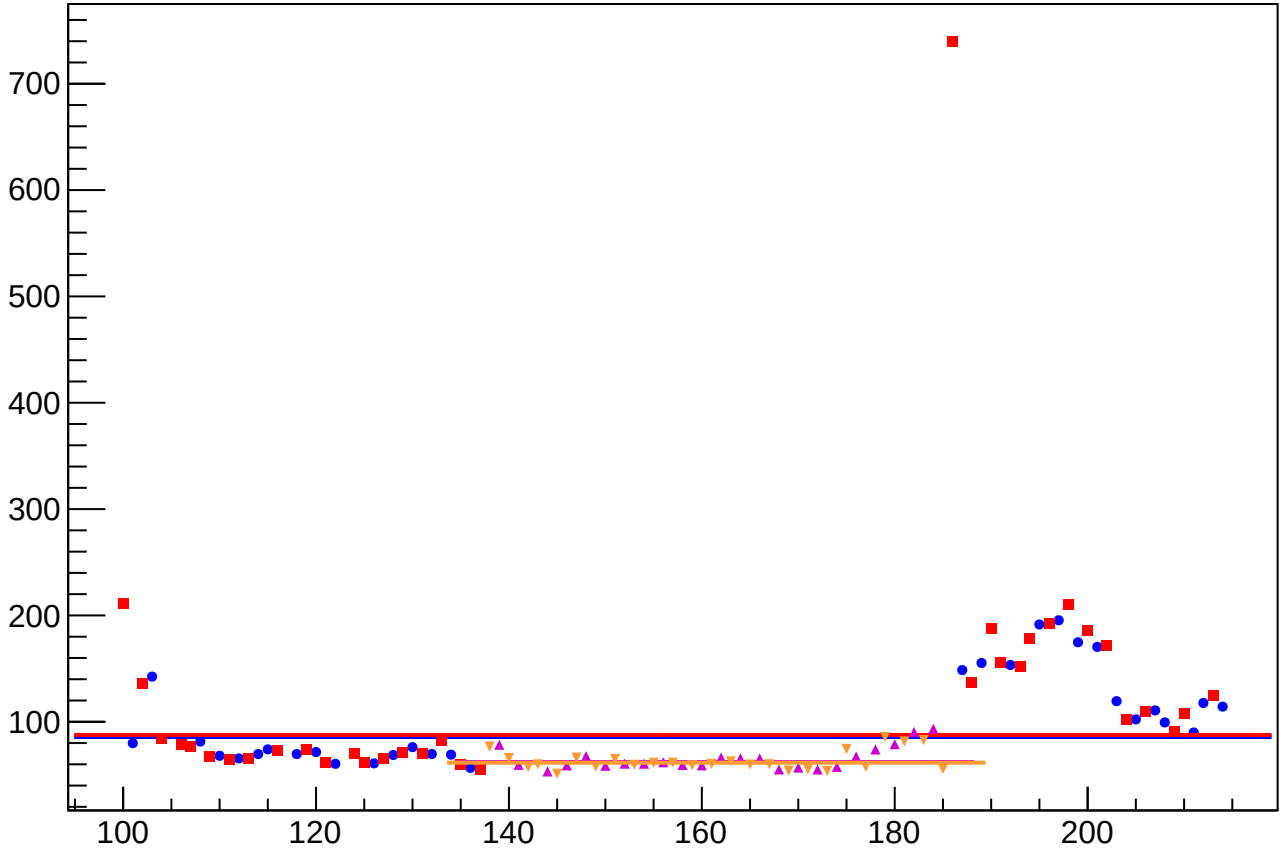
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.188+/-11.852 χ^2/NDF: 59.2/54

All: -8.642+/-8.514 χ^2/NDF: 169.3/111

- sign -45.791+/-12.240 χ^2/NDF: 92.2/56

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 85.687+/-0.015 χ^2/NDF: 4411201.6/29

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 87.598+/-0.016 χ^2/NDF: 5640523.5/33

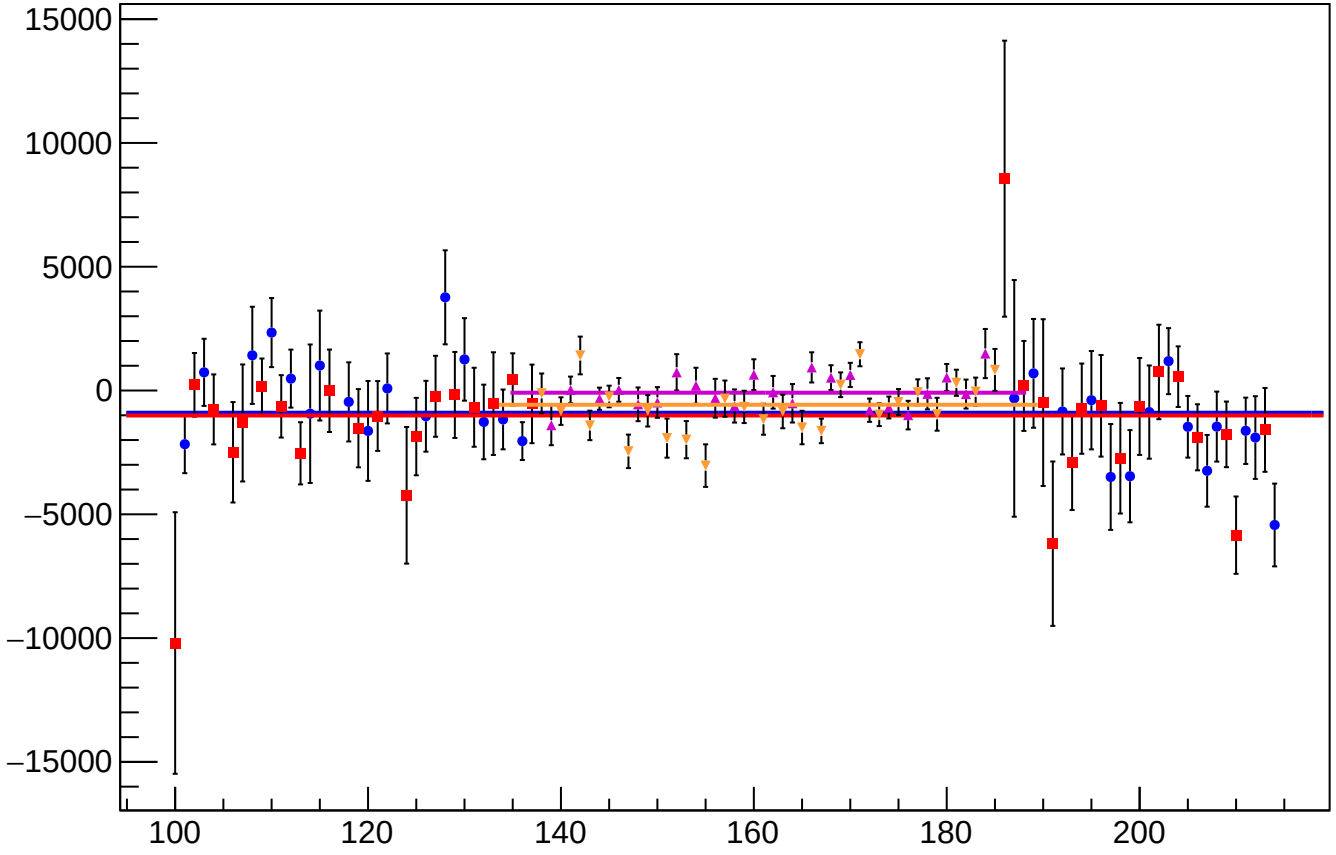
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 68.824+/-0.008 χ^2/NDF: 6797073.7/54

All: 69.386+/-0.006 χ^2/NDF: 14887188.3/111

- sign 69.984+/-0.009 χ^2/NDF: 8080841.3/56

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -897.421+/-274.209 χ^2/NDF: 39.7/29

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -1007.903+/-281.228 χ^2/NDF: 32.3/33

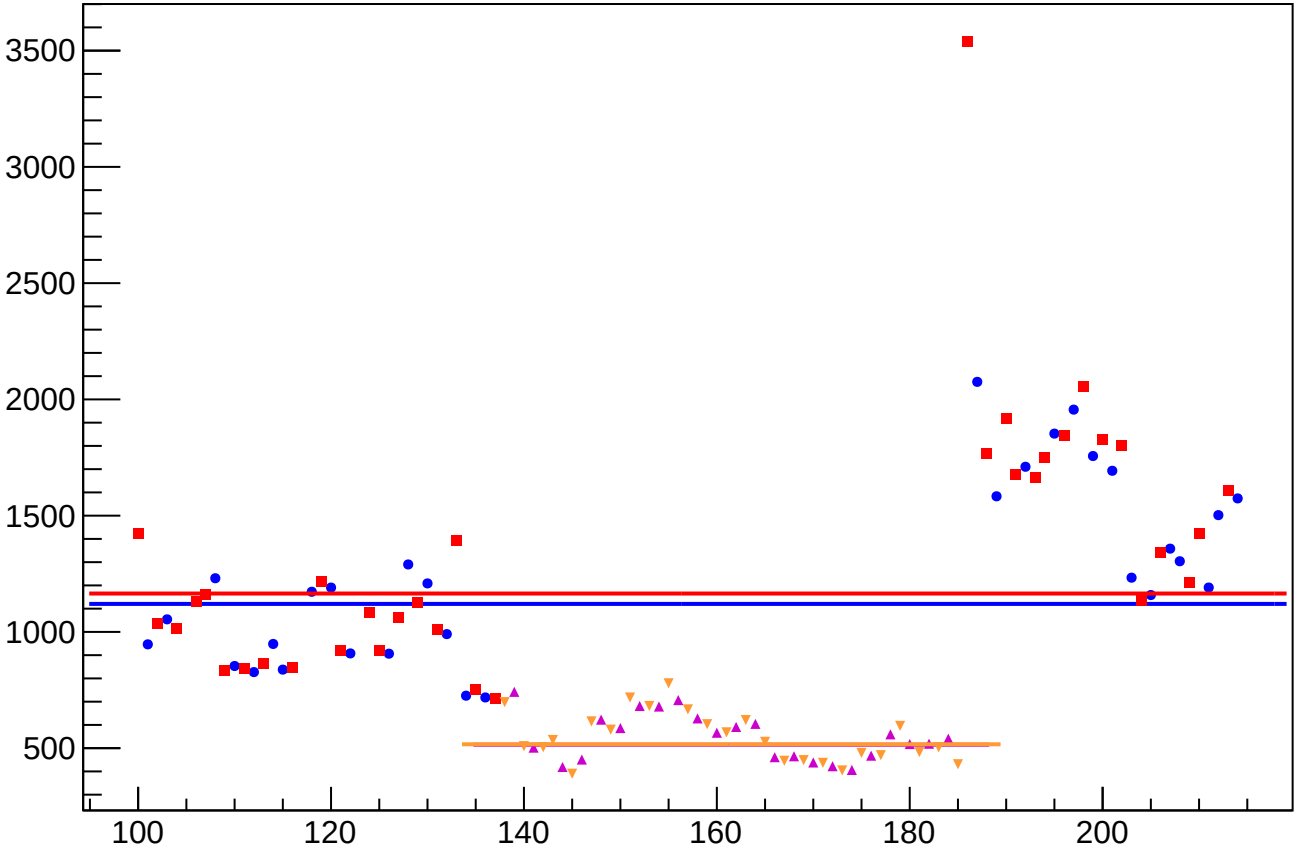
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -626.479+/-109.731 χ^2/NDF: 109.7/54

All: -435.257+/-78.485 χ^2/NDF: 181.7/111

- sign -234.971+/-112.302 χ^2/NDF: 65.9/56

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1120.452+/-0.194 χ^2/NDF: 2951080.8/29

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1165.126+/-0.199 χ^2/NDF: 3465229.7/33

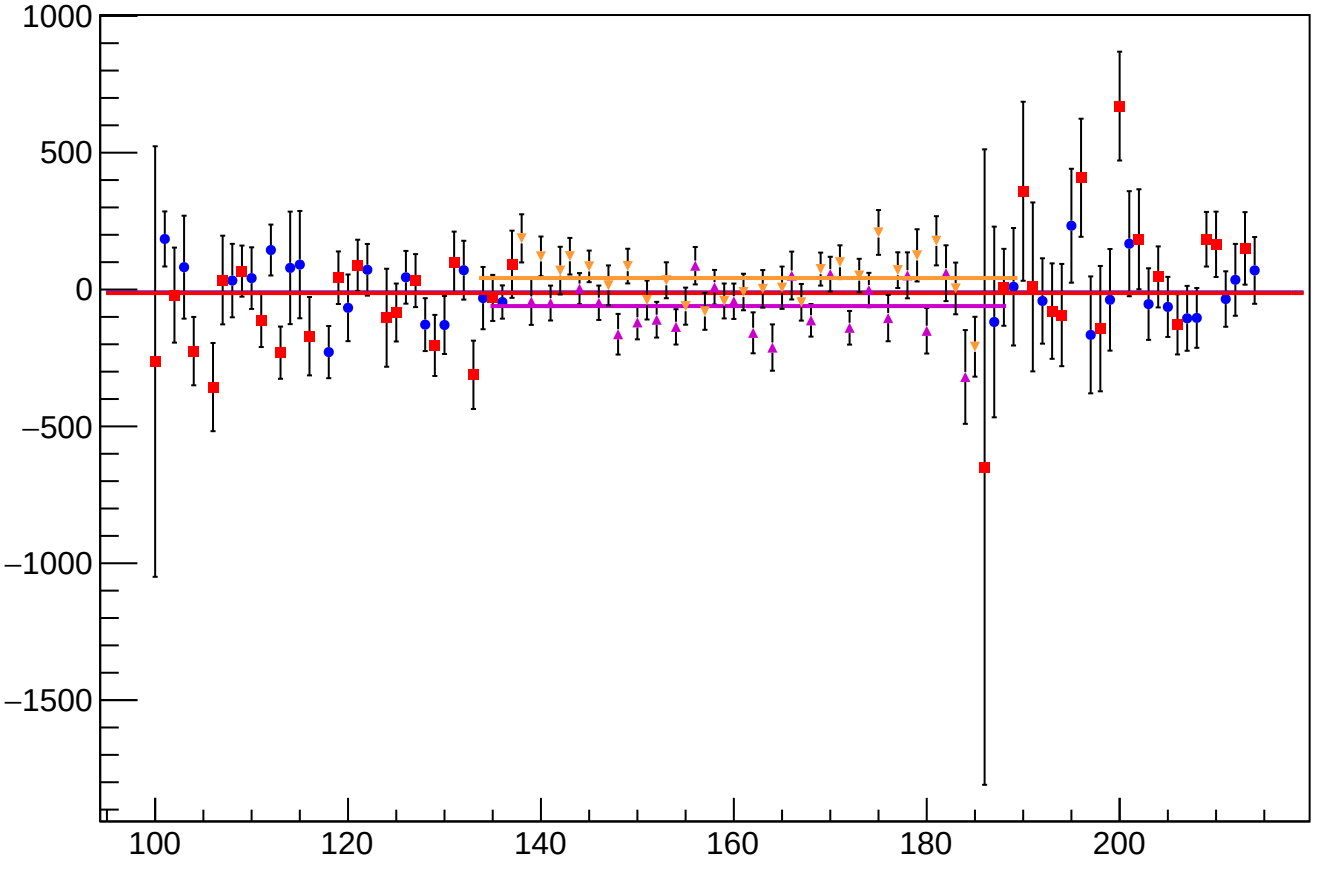
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 613.329+/-0.078 χ^2/NDF: 12361107.5/54

All: 615.848+/-0.055 χ^2/NDF: 25938889.6/11

- sign 618.487+/-0.079 χ^2/NDF: 13575624.4/56

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -10.470+/-21.582 χ^2/NDF: 23.0/29

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -12.937+/-22.055 χ^2/NDF: 56.8/33

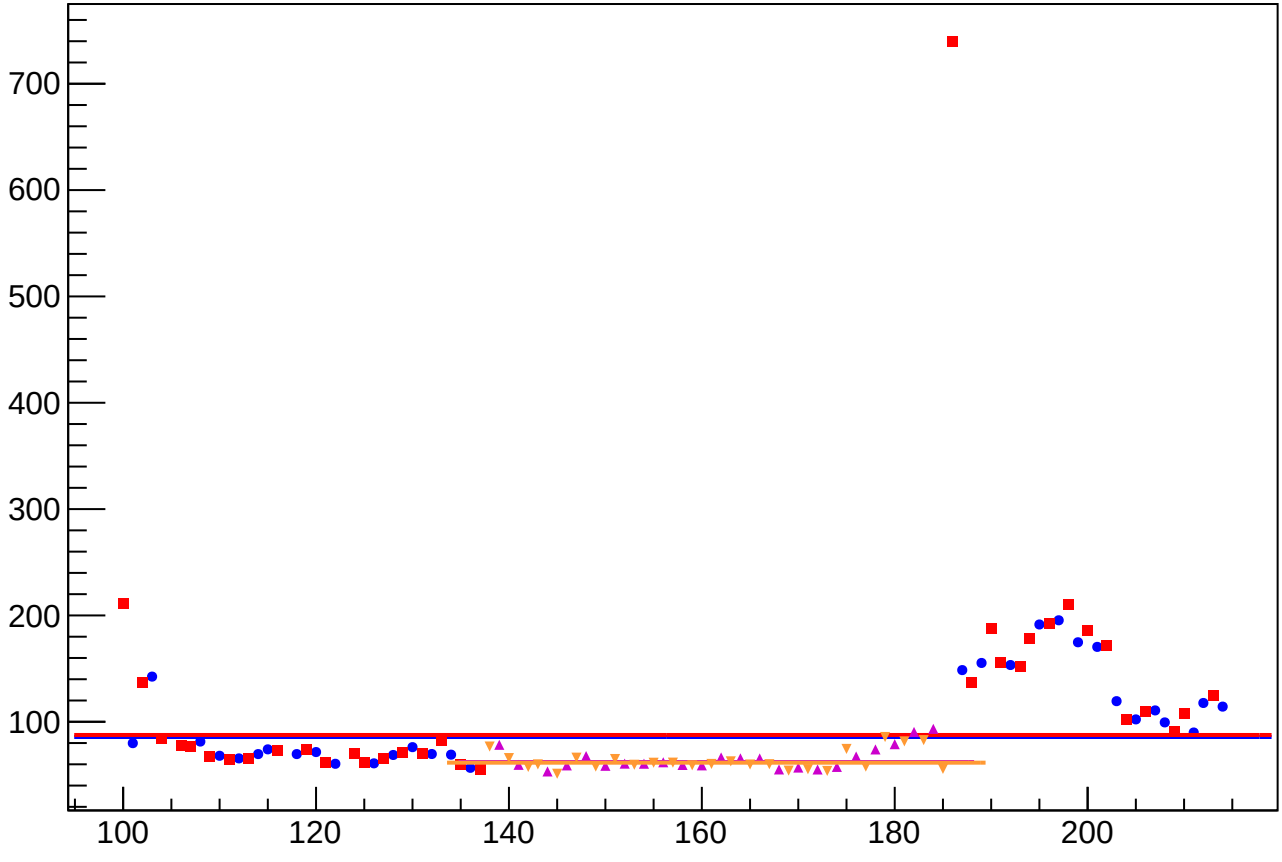
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.190+/-11.852 χ^2/NDF: 59.2/54

All: -8.628+/-8.514 χ^2/NDF: 169.2/111

- sign -45.765+/-12.240 χ^2/NDF: 92.2/56

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 85.687+/-0.015 χ^2/NDF: 4411204.7/29

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 87.586+/-0.016 χ^2/NDF: 5641823.3/33

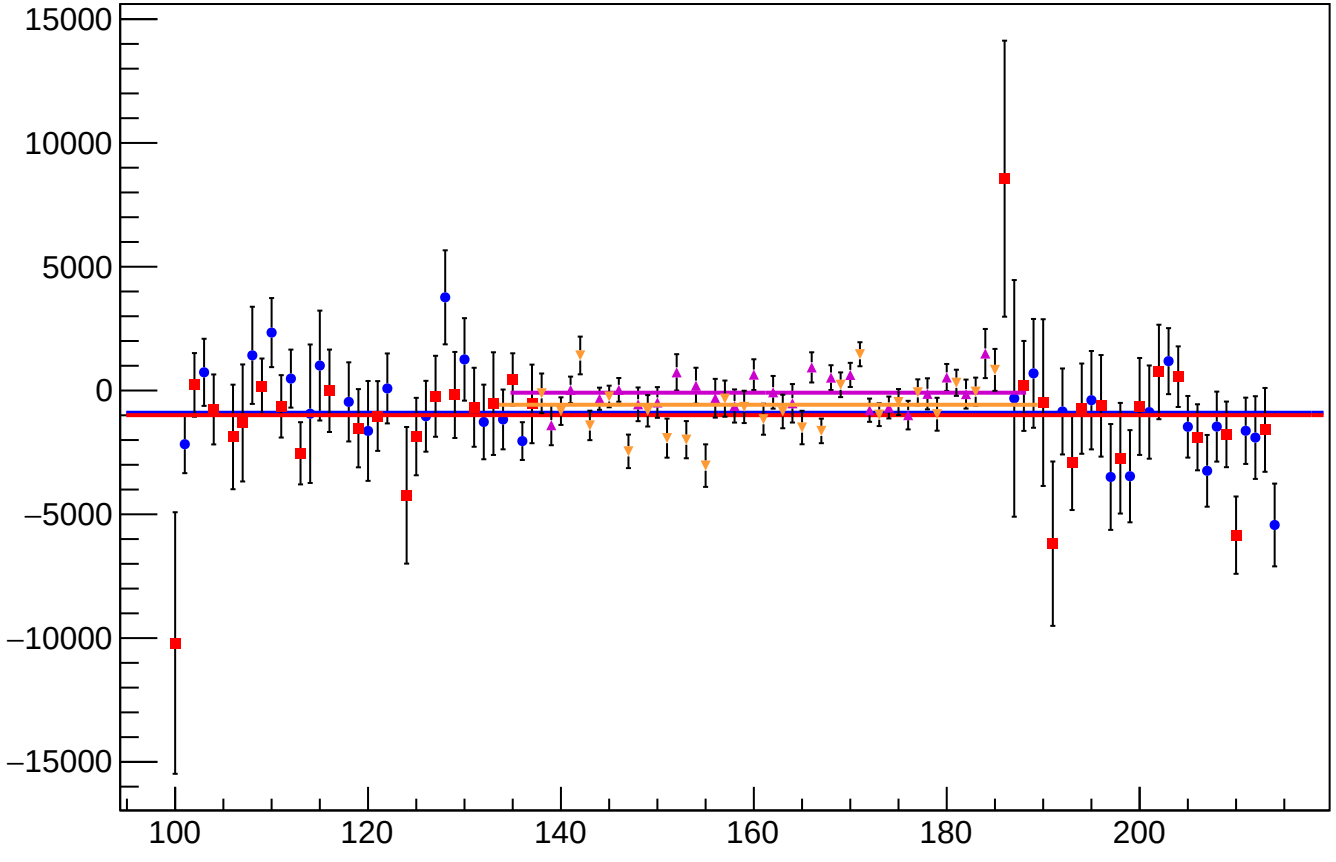
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 68.824+/-0.008 χ^2/NDF: 6797076.8/54

All: 69.384+/-0.006 χ^2/NDF: 14886551.4/111

- sign 69.980+/-0.009 χ^2/NDF: 8080267.6/56

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -897.406+/-274.210 χ^2/NDF: 39.7/29

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

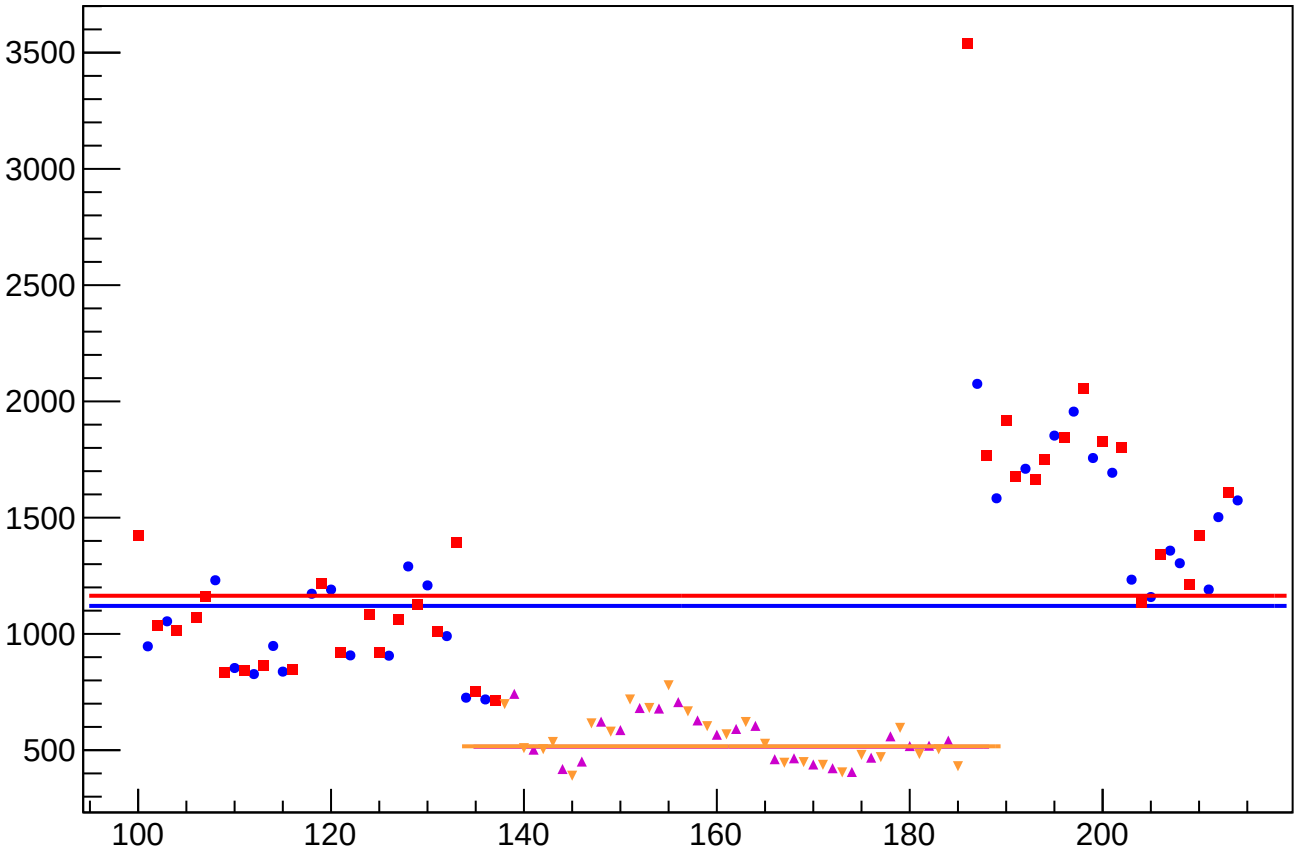
Right Out: -995.005+/-281.448 χ^2/NDF: 31.9/33

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

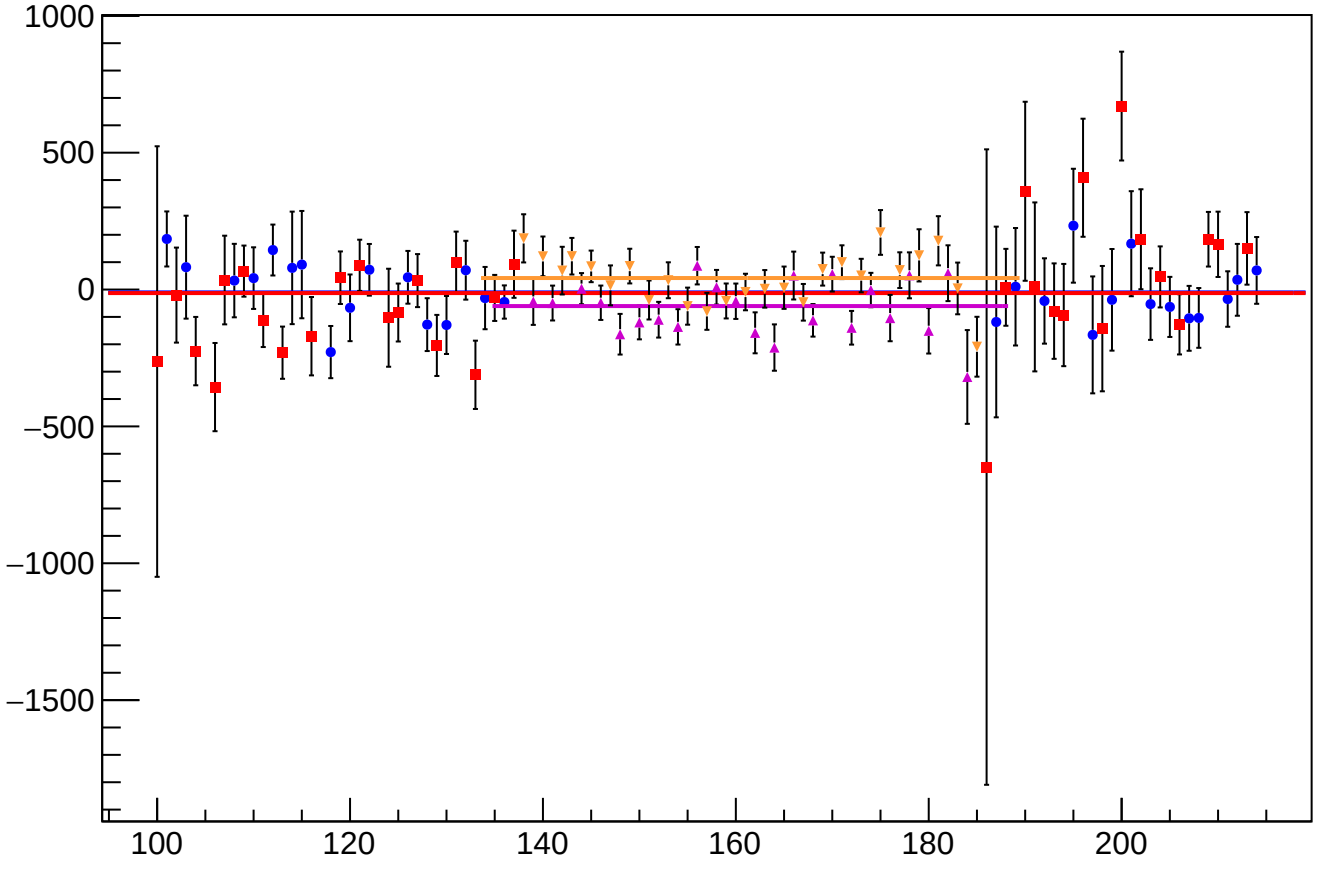
+ sign -626.470+/-109.731 χ^2/NDF: 109.7/54

All: -434.180+/-78.490 χ^2/NDF: 181.2/111

- sign -232.723+/-112.316 χ^2/NDF: 65.2/56


asym_sam_12345678_avg_cor_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1120.456+/-0.194 χ²/NDF: 2951073.2/29
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 1164.107+/-0.199 χ²/NDF: 3468512.5/33
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
+ sign 613.329+/-0.078 χ²/NDF: 12361161.9/54
All: 615.702+/-0.056 χ²/NDF: 25902053.6/1
- sign 618.188+/-0.079 χ²/NDF: 13538976.5/56

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -10.470+/-21.582 χ^2/NDF: 23.0/29

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -12.937+/-22.055 χ^2/NDF: 56.8/33

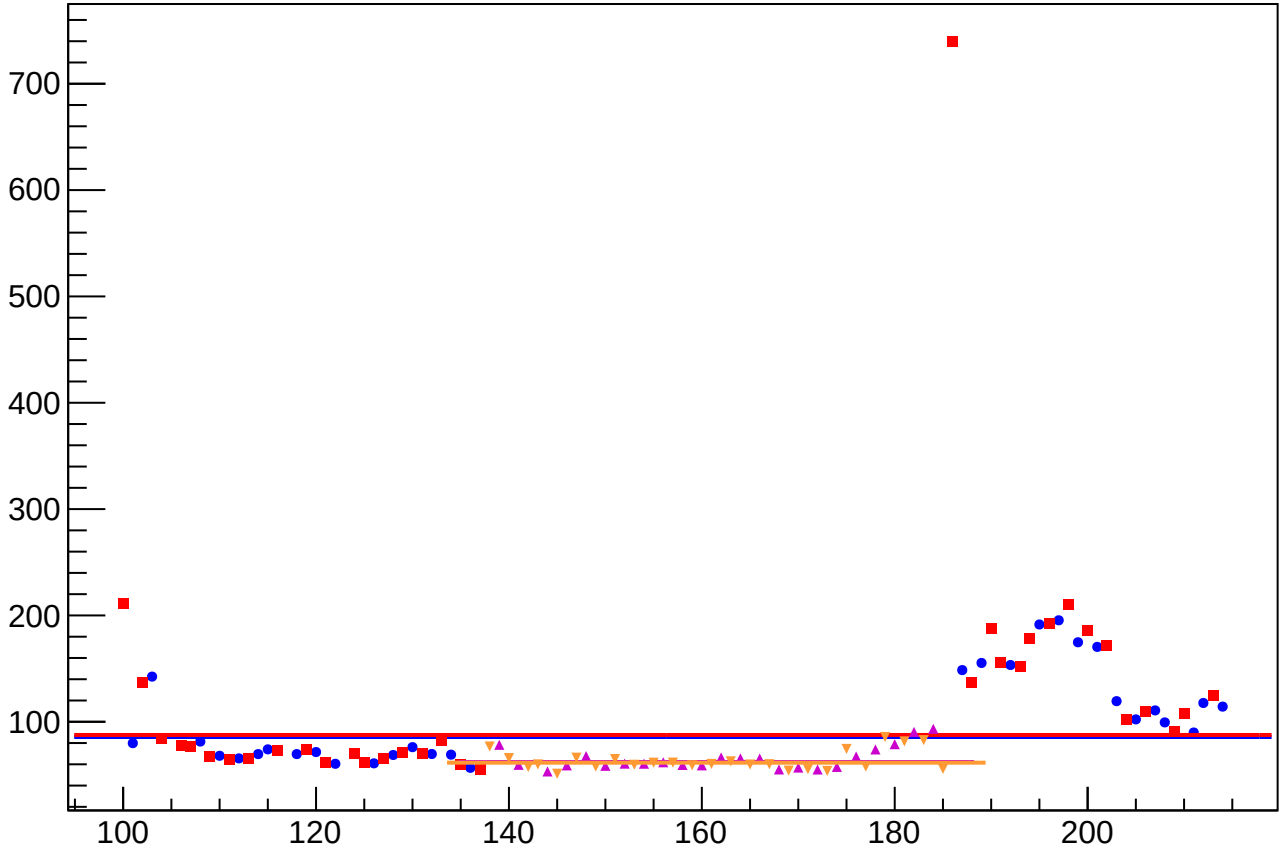
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 26.190+/-11.852 χ^2/NDF: 59.2/54

All: -8.628+/-8.514 χ^2/NDF: 169.2/111

- sign -45.765+/-12.240 χ^2/NDF: 92.2/56

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 85.687+/-0.015 χ^2/NDF: 4411204.7/29

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

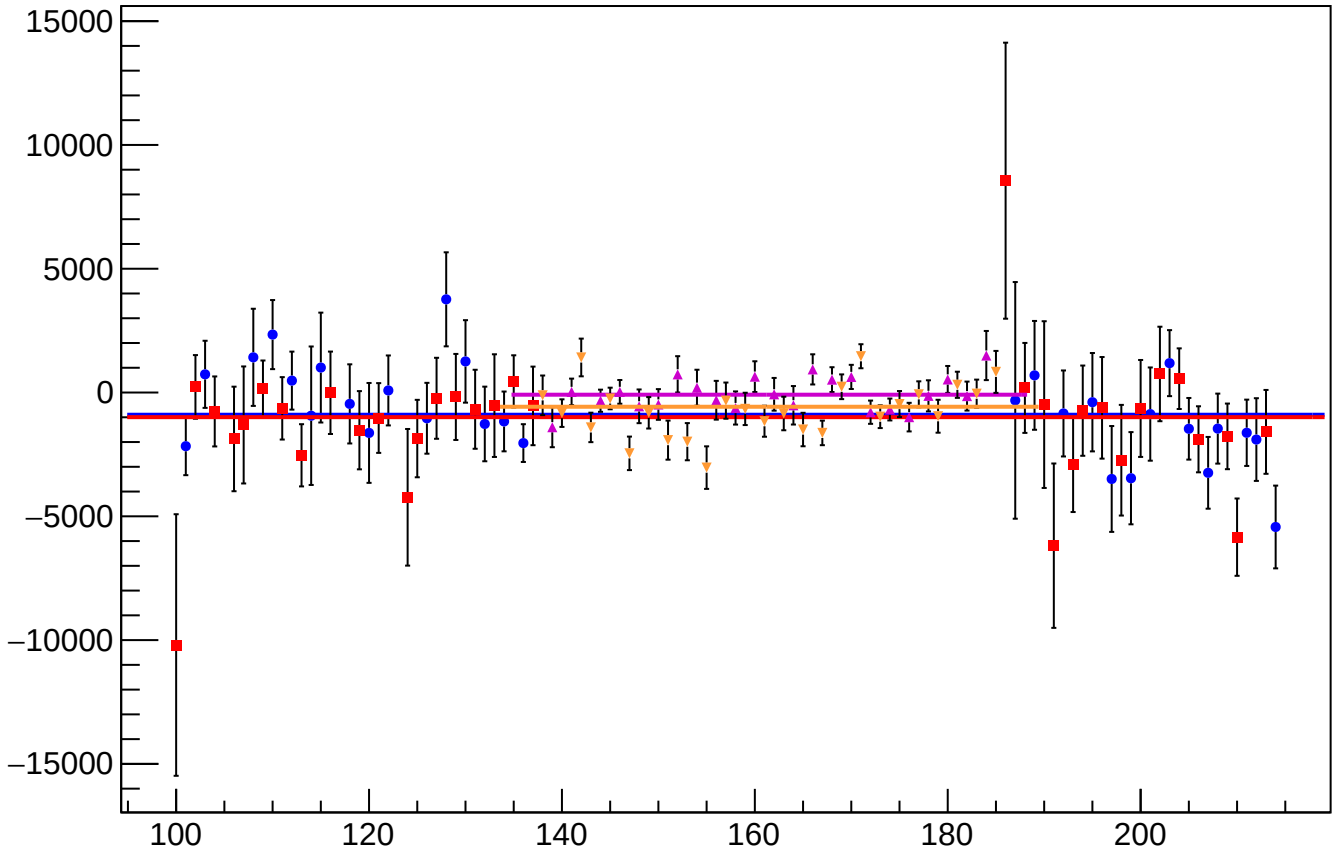
Right Out: 87.586+/-0.016 χ^2/NDF: 5641823.3/33

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 68.824+/-0.008 χ^2/NDF: 6797076.8/54

All: 69.384+/-0.006 χ^2/NDF: 14886551.4/111

- sign 69.980+/-0.009 χ^2/NDF: 8080267.6/56



Right In: -897.406+/-274.210 χ^2/NDF: 39.7/29

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

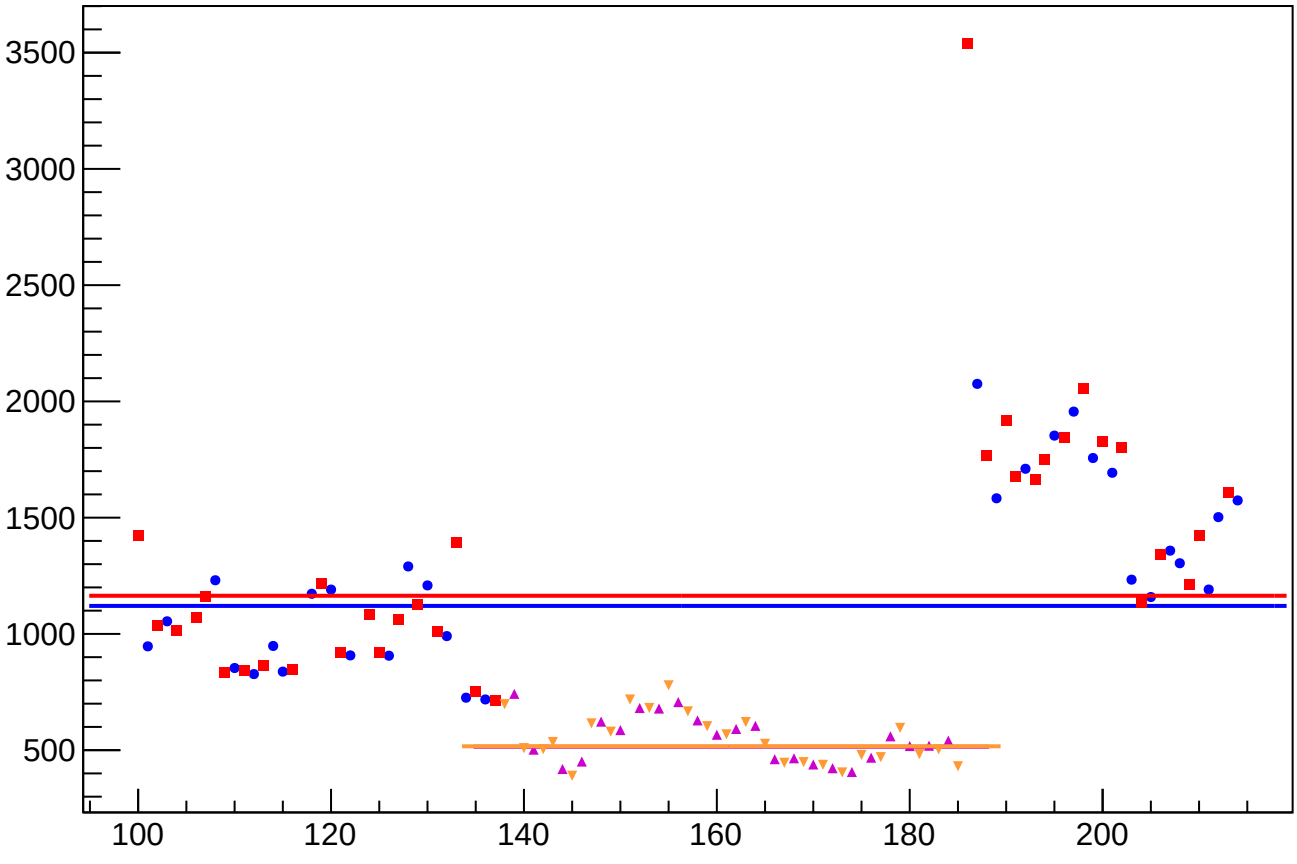
Right Out: -995.005+/-281.448 χ^2/NDF: 31.9/33

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -626.470+/-109.731 χ^2/NDF: 109.7/54

All: -434.180+/-78.490 χ^2/NDF: 181.2/111

- sign -232.723+/-112.316 χ^2/NDF: 65.2/56



Right In: 1120.456+/-0.194 χ^2/NDF: 2951073.2/29

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1164.107+/-0.199 χ^2/NDF: 3468512.5/33

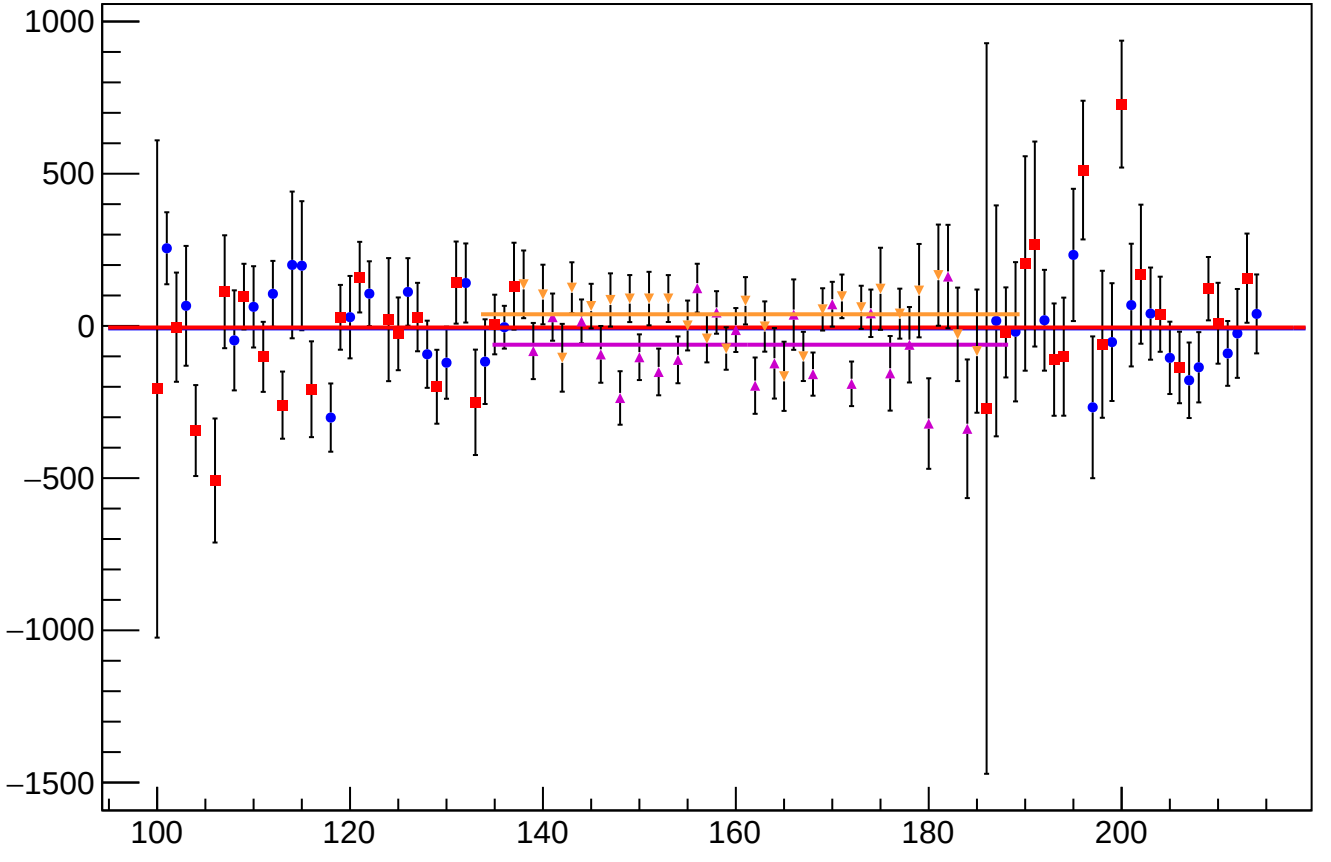
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 613.329+/-0.078 χ^2/NDF: 12361161.9/54

All: 615.702+/-0.056 χ^2/NDF: 25902053.6/1

- sign 618.188+/-0.079 χ^2/NDF: 13538976.5/56

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -8.174+/-24.335 χ^2/NDF: 28.2/29

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -5.167+/-25.062 χ^2/NDF: 53.2/33

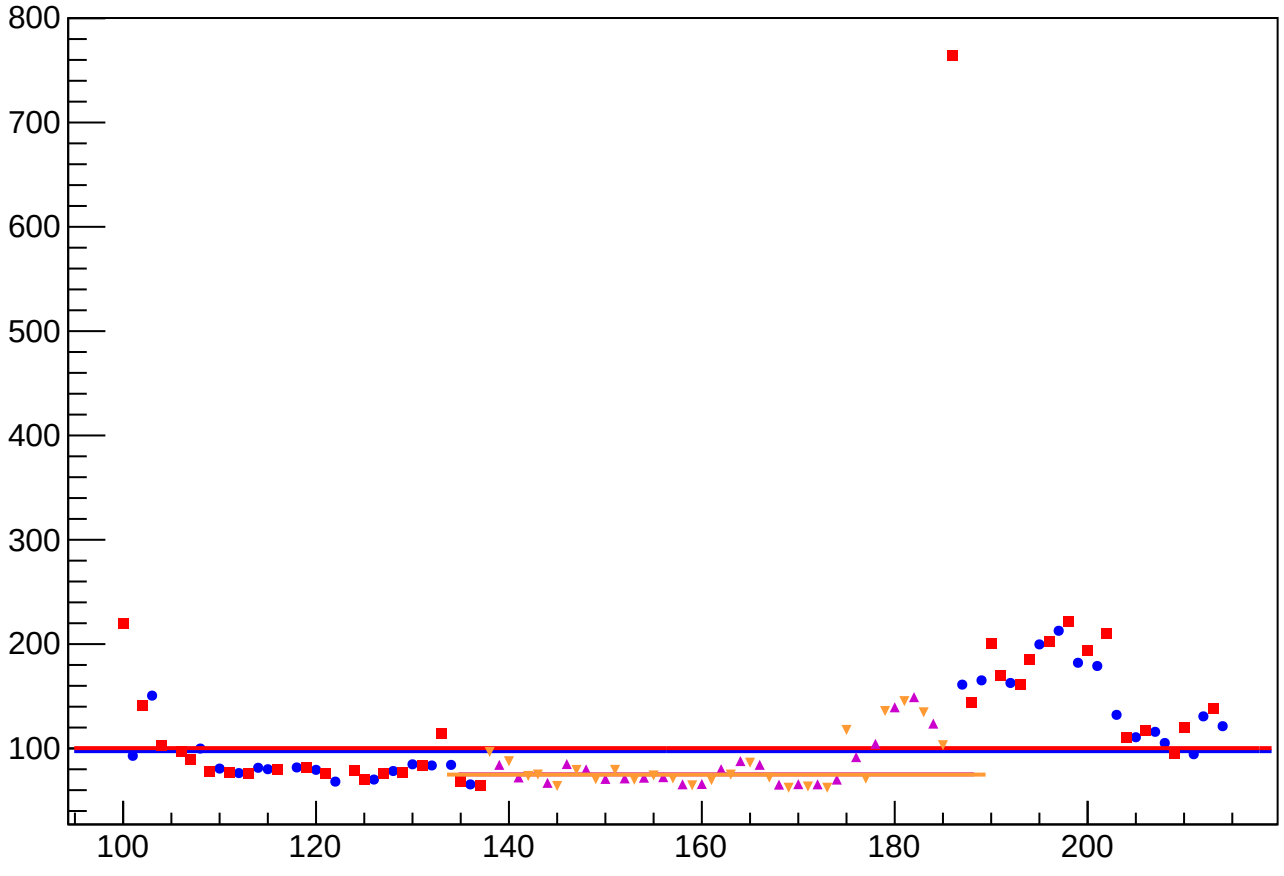
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.245+/-14.298 χ^2/NDF: 49.4/54

All: -9.040+/-10.257 χ^2/NDF: 152.5/111

- sign -42.207+/-14.722 χ^2/NDF: 93.3/56

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 97.383+/-0.017 χ^2/NDF: 3707512.5/29

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 100.268+/-0.018 χ^2/NDF: 4952286.4/33

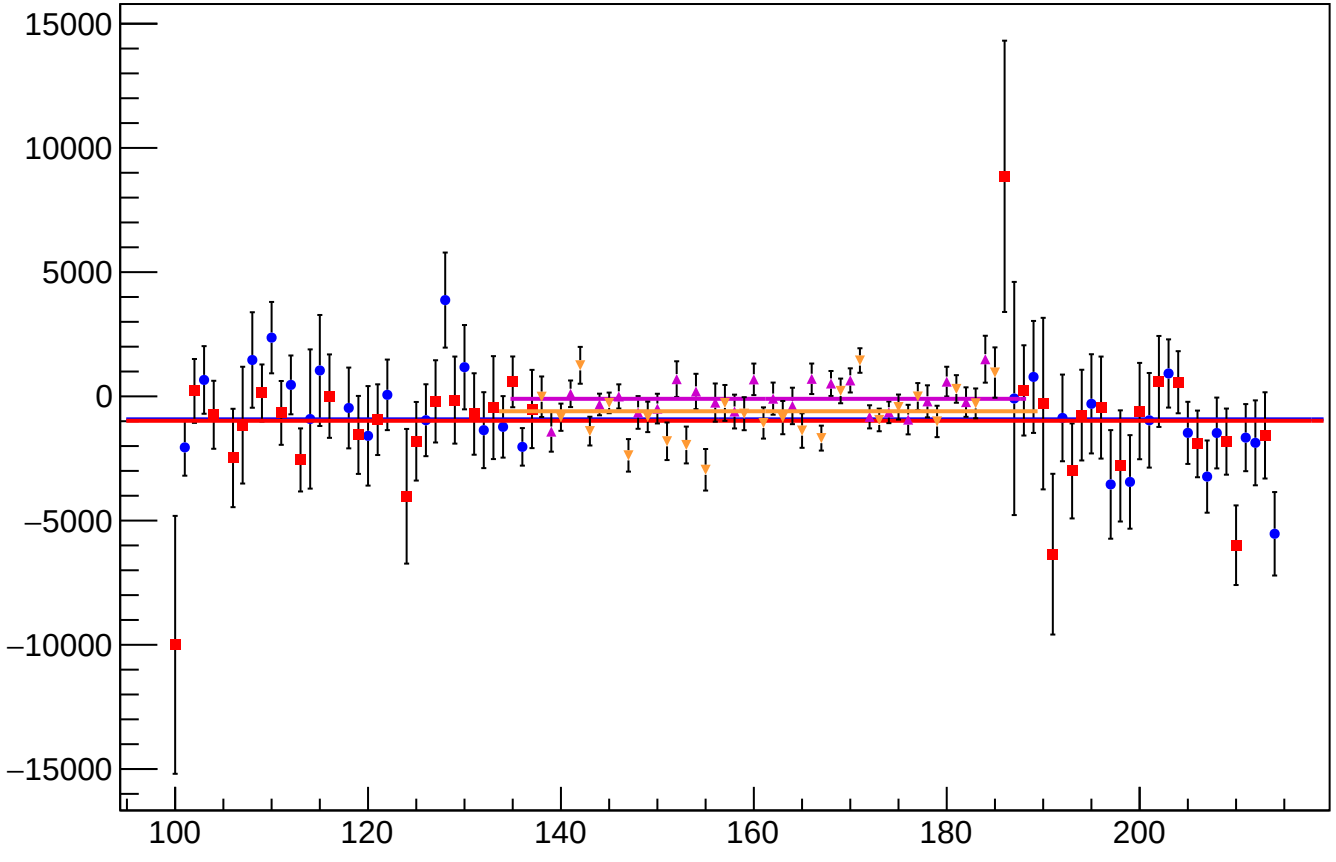
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 82.663+/-0.010 χ^2/NDF: 6486561.7/54

All: 83.225+/-0.007 χ^2/NDF: 14072937.0/11

- sign 83.821+/-0.010 χ^2/NDF: 7580003.7/56

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -924.905+/-275.982 χ^2/NDF: 38.8/29

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: -982.648+/-281.532 χ^2/NDF: 33.5/33

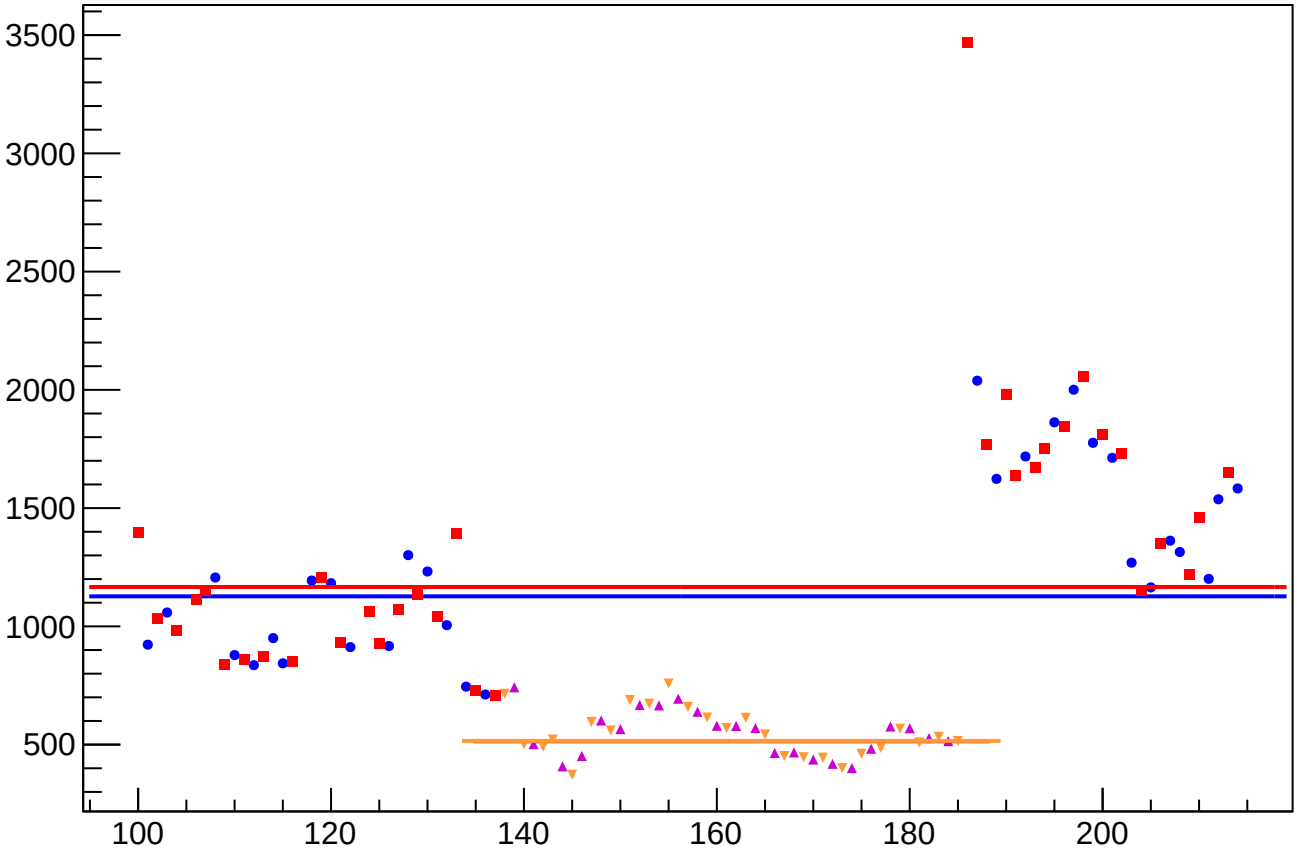
Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

+ sign -650.182+/-109.525 χ^2/NDF: 105.0/54

All: -449.705+/-78.368 χ^2/NDF: 177.3/111

- sign -239.388+/-112.181 χ^2/NDF: 65.5/56

asym_sam_12345678_avg_dit_correction_rms vs Slug



Right In: 1126.949+/-0.195 χ^2/NDF: 3016484.2/29

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1166.437+/-0.199 χ^2/NDF: 3485481.4/33

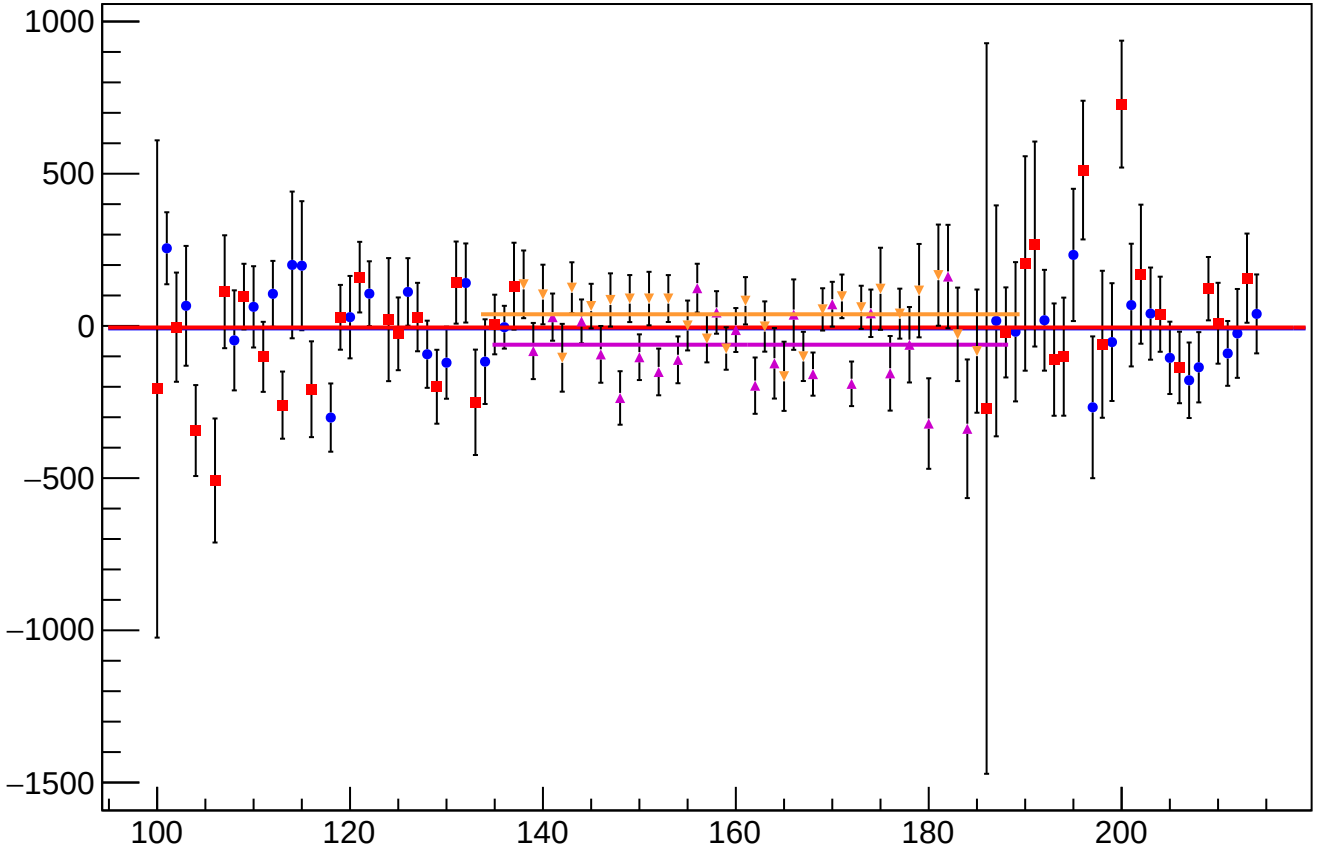
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 612.020+/-0.077 χ^2/NDF: 12512936.5/54

All: 614.775+/-0.055 χ^2/NDF: 26151181.1/11

- sign 617.665+/-0.079 χ^2/NDF: 13635652.1/56

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -8.172+/-24.335 χ^2/NDF: 28.2/29

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -5.165+/-25.062 χ^2/NDF: 53.2/33

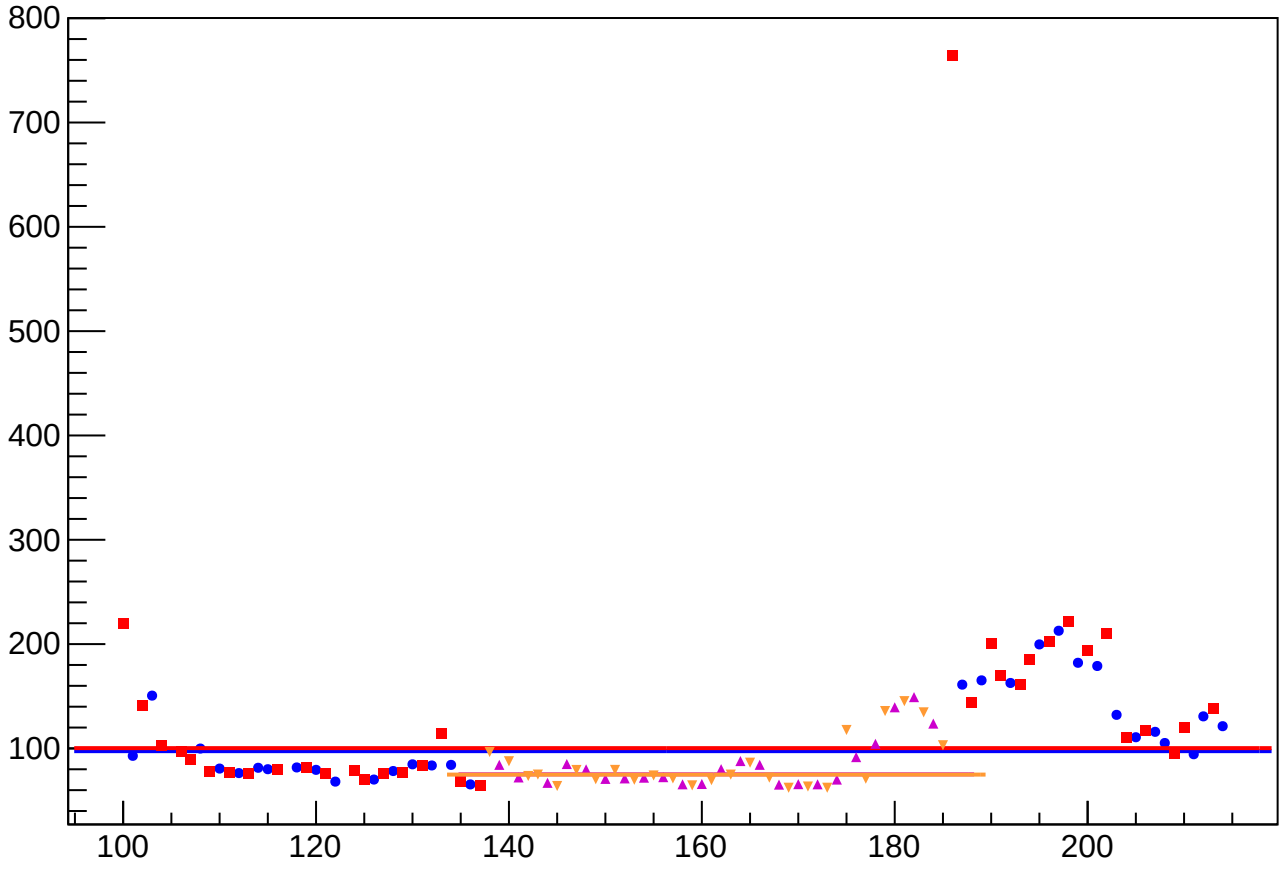
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 22.245+/-14.298 χ^2/NDF: 49.4/54

All: -9.039+/-10.257 χ^2/NDF: 152.5/111

- sign -42.206+/-14.722 χ^2/NDF: 93.3/56

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 97.382+/-0.017 χ^2/NDF: 3707525.0/29

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

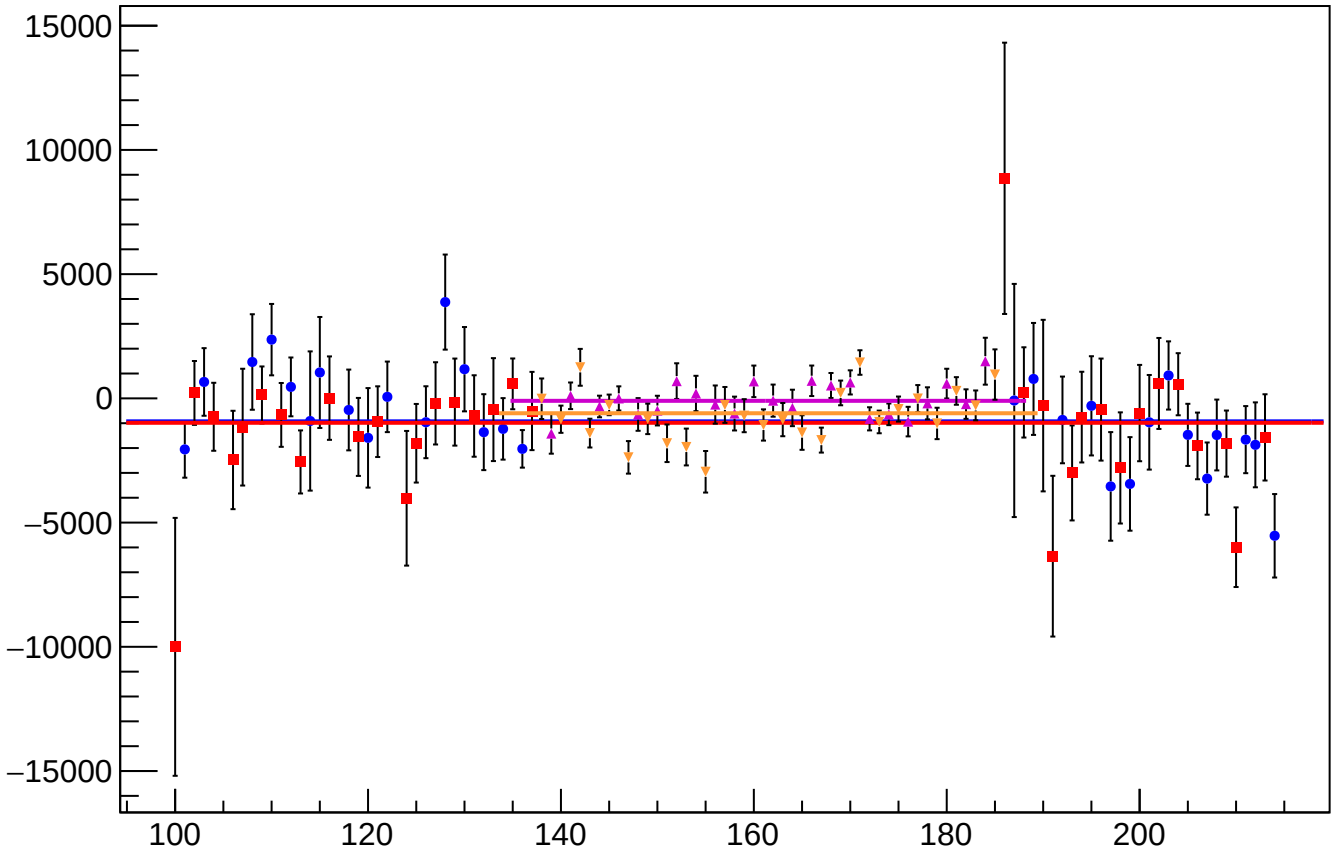
Right Out: 100.268+/-0.018 χ^2/NDF: 4952314.8/33

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 82.663+/-0.010 χ^2/NDF: 6486529.5/54

All: 83.225+/-0.007 χ^2/NDF: 14072872.3/11

- sign 83.821+/-0.010 χ^2/NDF: 7579970.9/56



Right In: -924.902+/-275.982 χ^2/NDF: 38.8/29

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

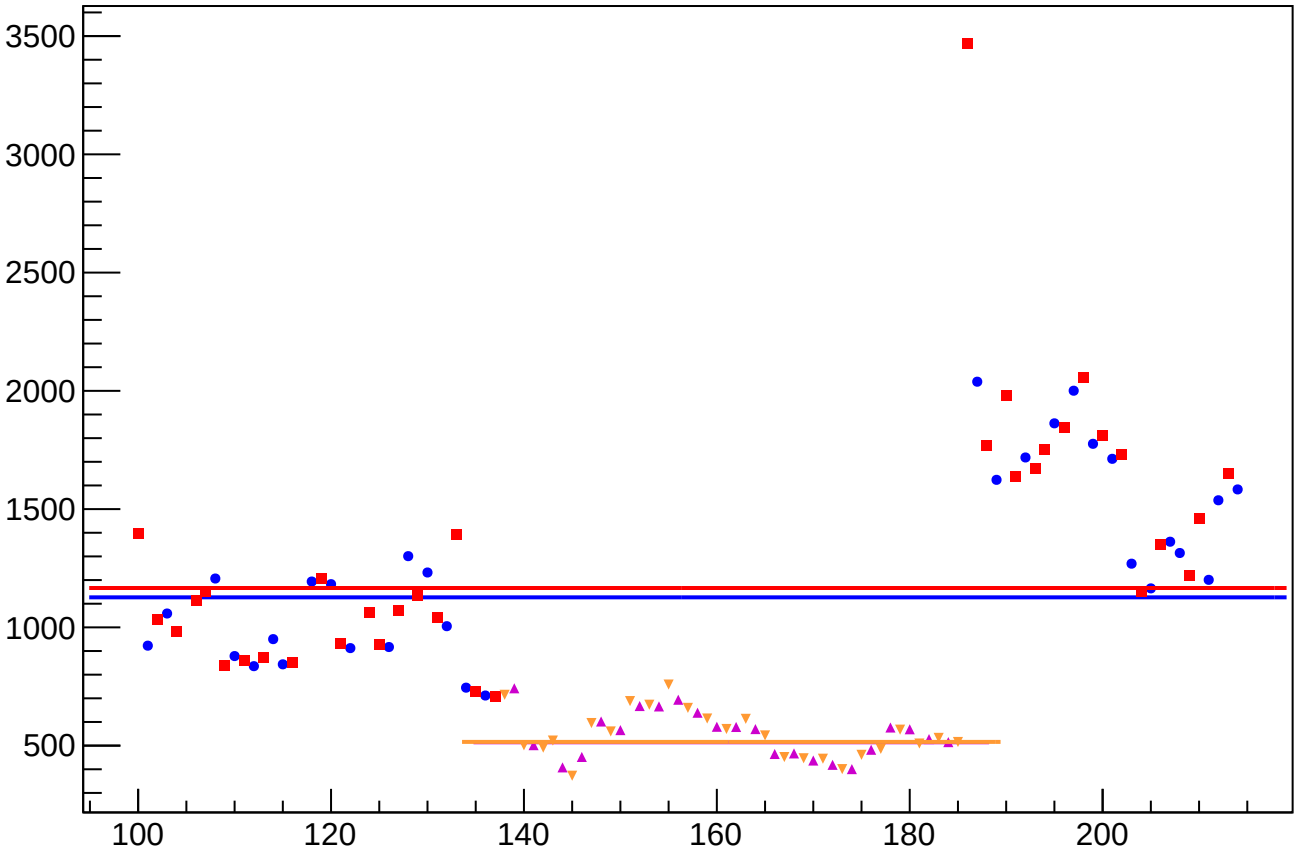
Right Out: -982.646+/-281.532 χ^2/NDF: 33.5/33

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

+ sign -650.180+/-109.525 χ^2/NDF: 105.0/54

All: -449.704+/-78.368 χ^2/NDF: 177.3/111

- sign -239.387+/-112.181 χ^2/NDF: 65.5/56



Right In: 1126.947+/-0.195 χ^2/NDF: 3016494.2/29

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1166.434+/-0.199 χ^2/NDF: 3485493.6/33

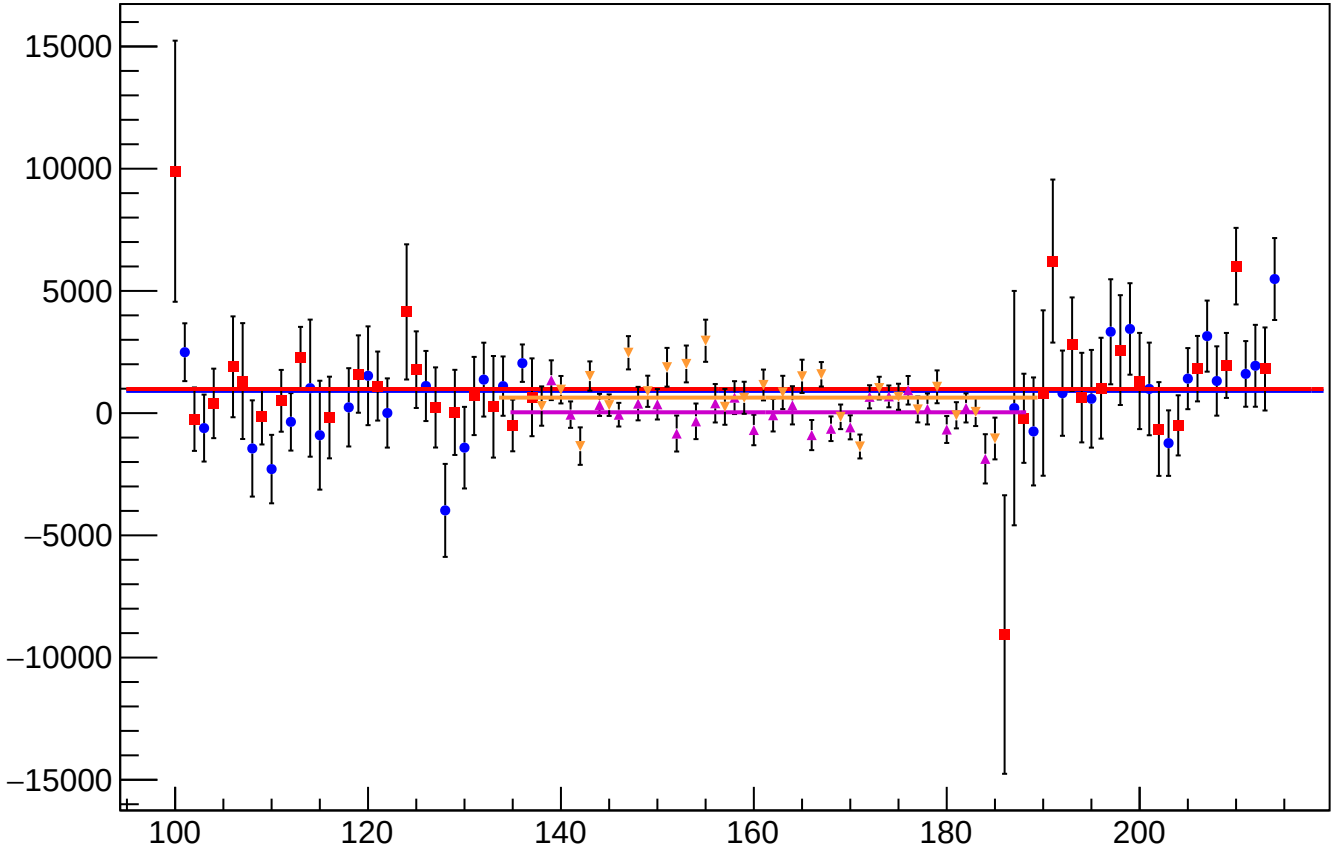
Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

+ sign 612.019+/-0.077 χ^2/NDF: 12512948.2/54

All: 614.774+/-0.055 χ^2/NDF: 26151197.6/11

- sign 617.664+/-0.079 χ^2/NDF: 13635656.9/56

asym_sam_12345678_avg_mean vs Slug



Right In: 909.382+/-275.368 χ^2/NDF: 40.0/29

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 987.294+/-282.404 χ^2/NDF: 32.2/33

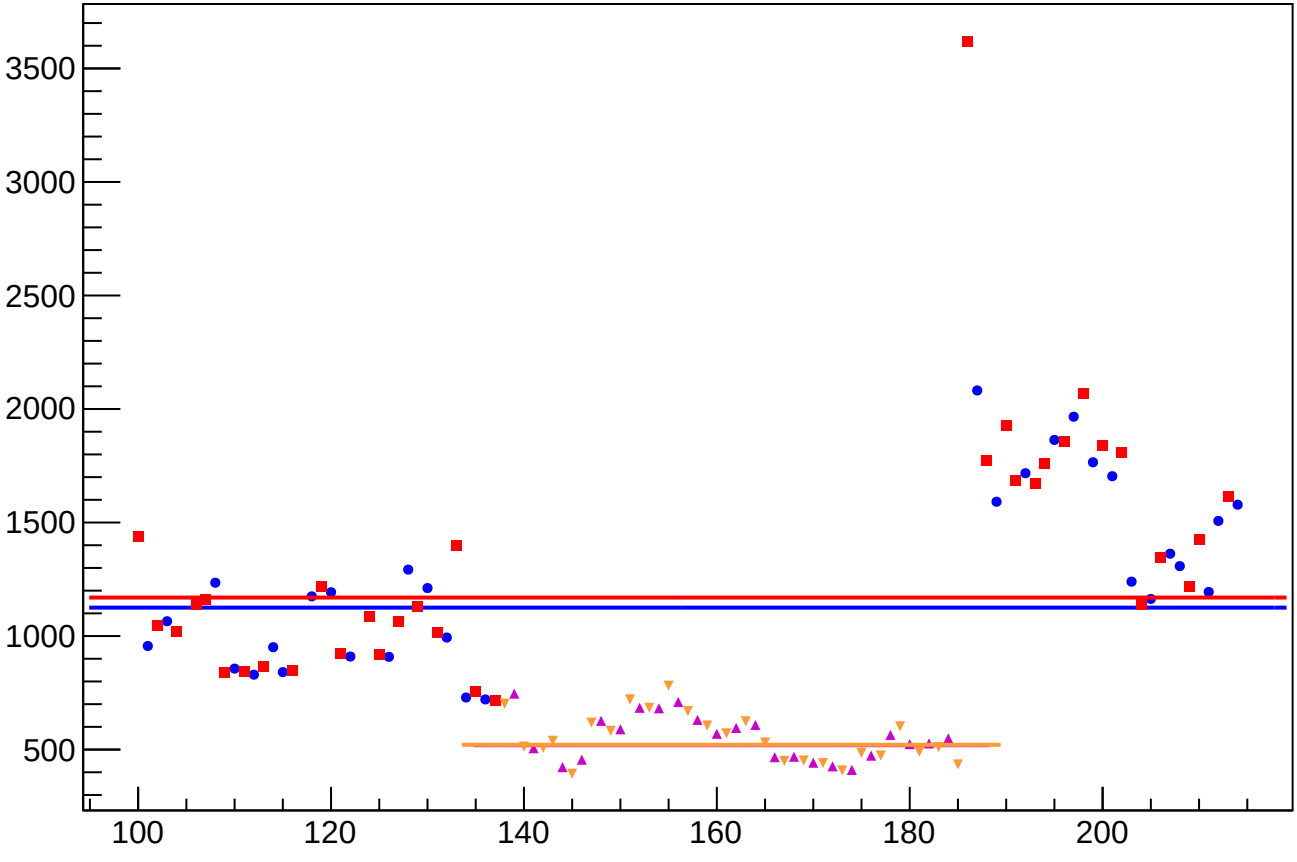
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

\+ sign 679.049+/-110.560 χ^2/NDF: 105.4/54

All: 439.127+/-79.083 χ^2/NDF: 181.9/111

\- sign 187.759+/-113.166 χ^2/NDF: 66.9/56

asym_sam_12345678_avg_rms vs Slug



Right In: 1125.173+/-0.195 χ^2/NDF: 2951916.9/29

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

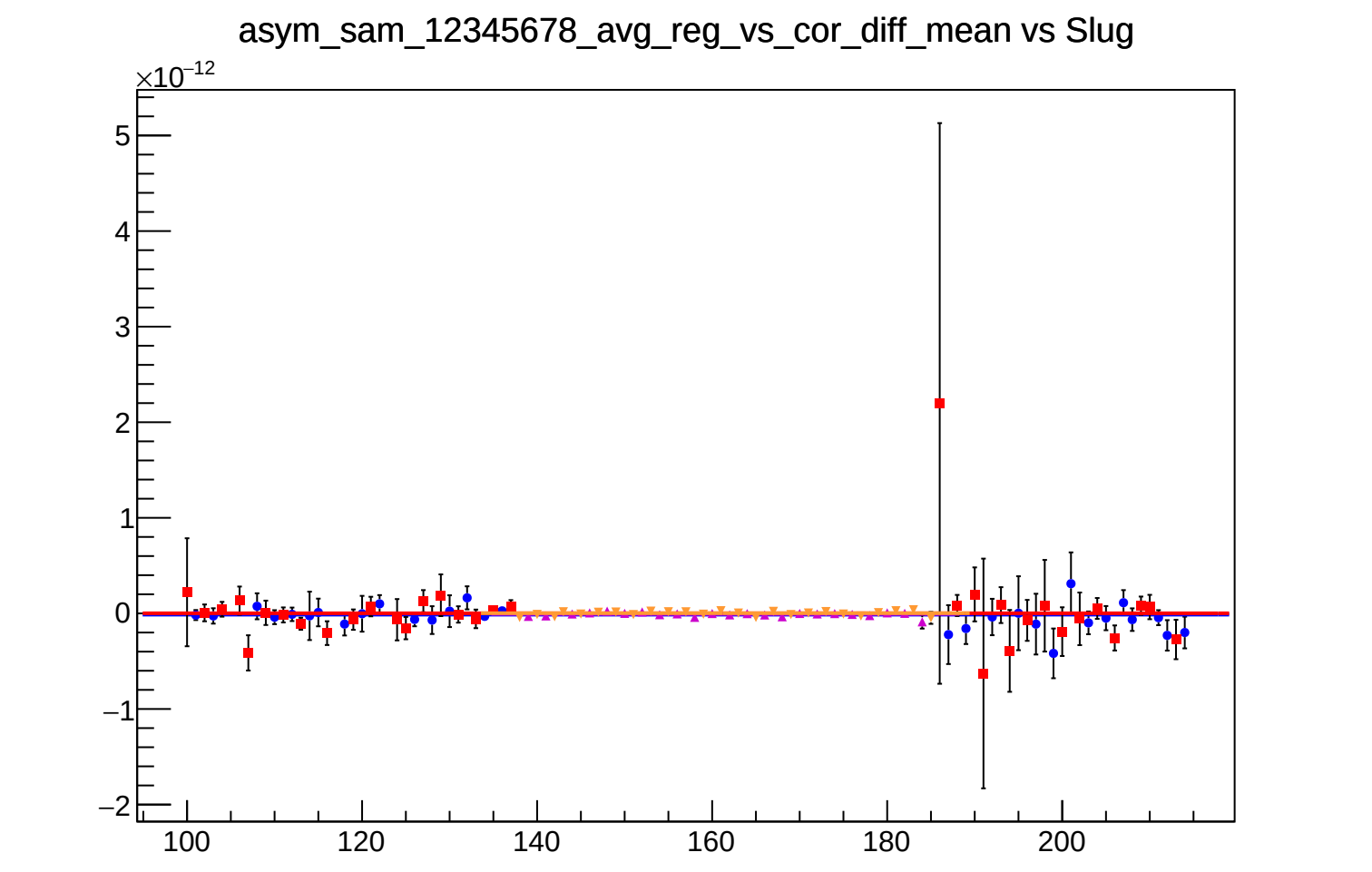
Right Out: 1169.566+/-0.200 χ^2/NDF: 3479201.9/33

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 618.414+/-0.078 χ^2/NDF: 12270032.0/54

All: 620.981+/-0.056 χ^2/NDF: 25754862.7/11

- sign 623.669+/-0.080 χ^2/NDF: 13482624.2/56



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/29

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

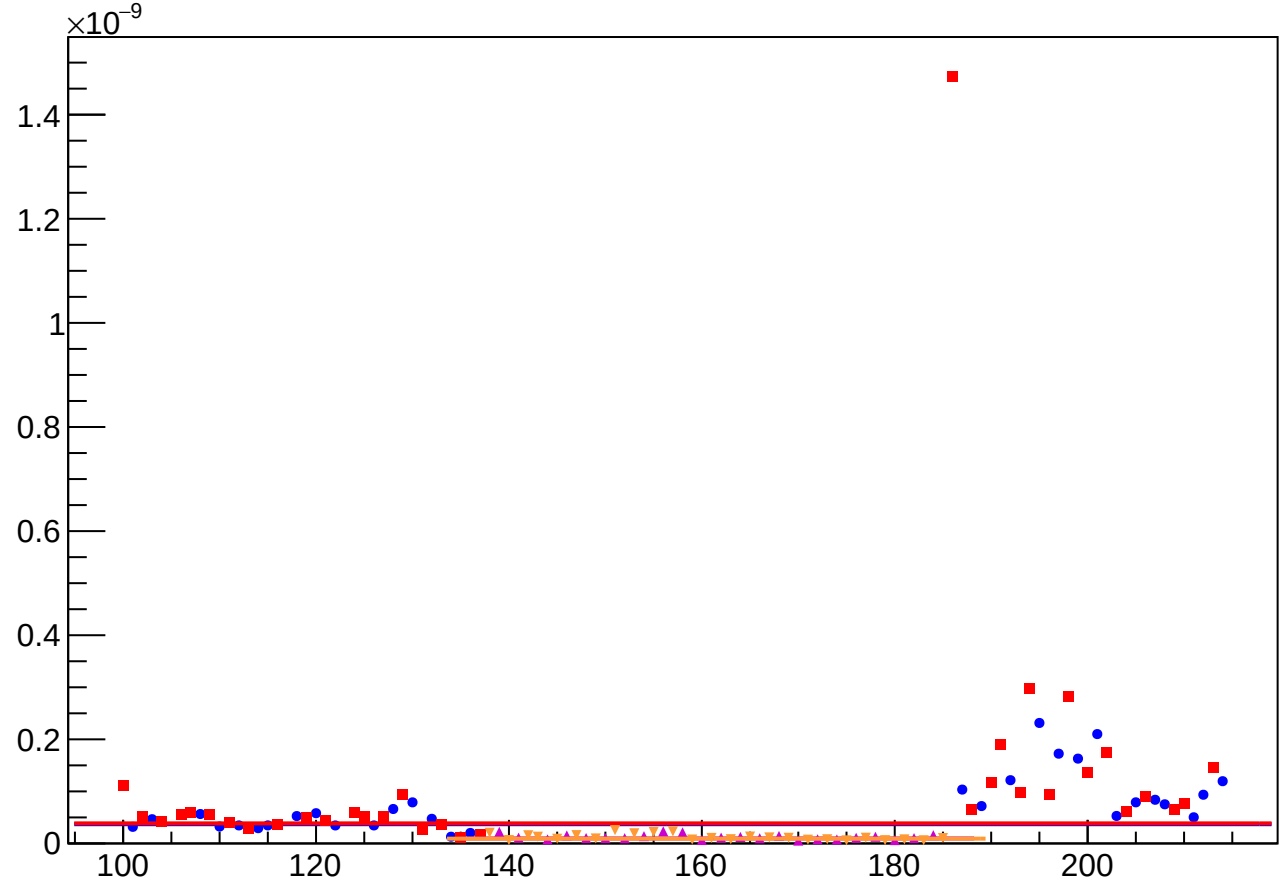
Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/33

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.5/54

All: -0.000+/-0.000 χ^2/NDF: 82.6/111

- sign -0.000+/-0.000 χ^2/NDF: 40.8/56



Right In: 0.000+/-0.000 χ^2/NDF: 5616285.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

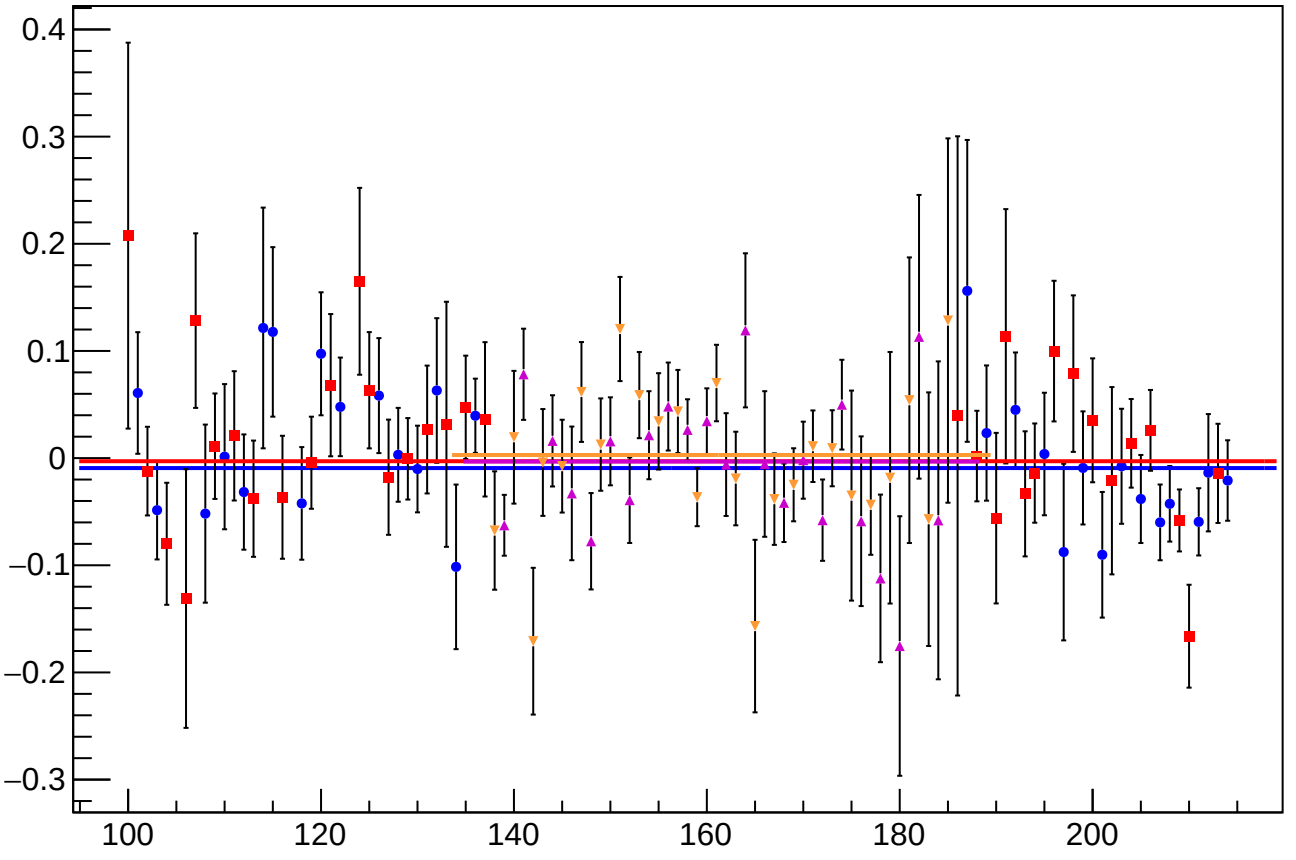
Right Out: 0.000+/-0.000 χ^2/NDF: 6541574.8/33

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13309160.7/54

All: 0.000+/-0.000 χ^2/NDF: 26605457.2/111

- sign 0.000+/-0.000 χ^2/NDF: 13287659.9/56



Right In: -0.009+/-0.009 χ^2/NDF: 29.9/29

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

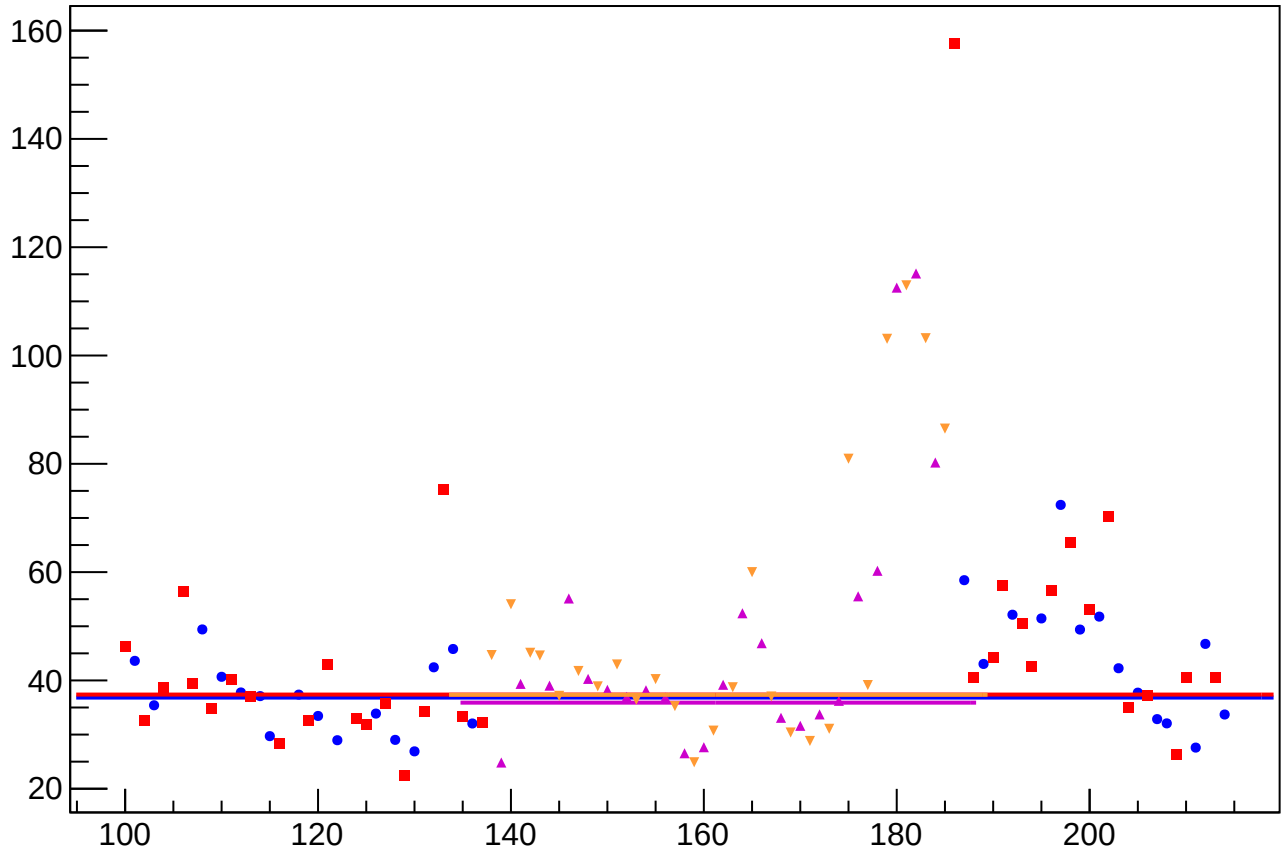
Right Out: -0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.7/54

All: -0.003+/-0.005 χ^2/NDF: 131.6/111

- sign -0.003+/-0.007 χ^2/NDF: 67.9/56



Right In: 36.833+/-0.006 χ^2/NDF: 1747493.3/29

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

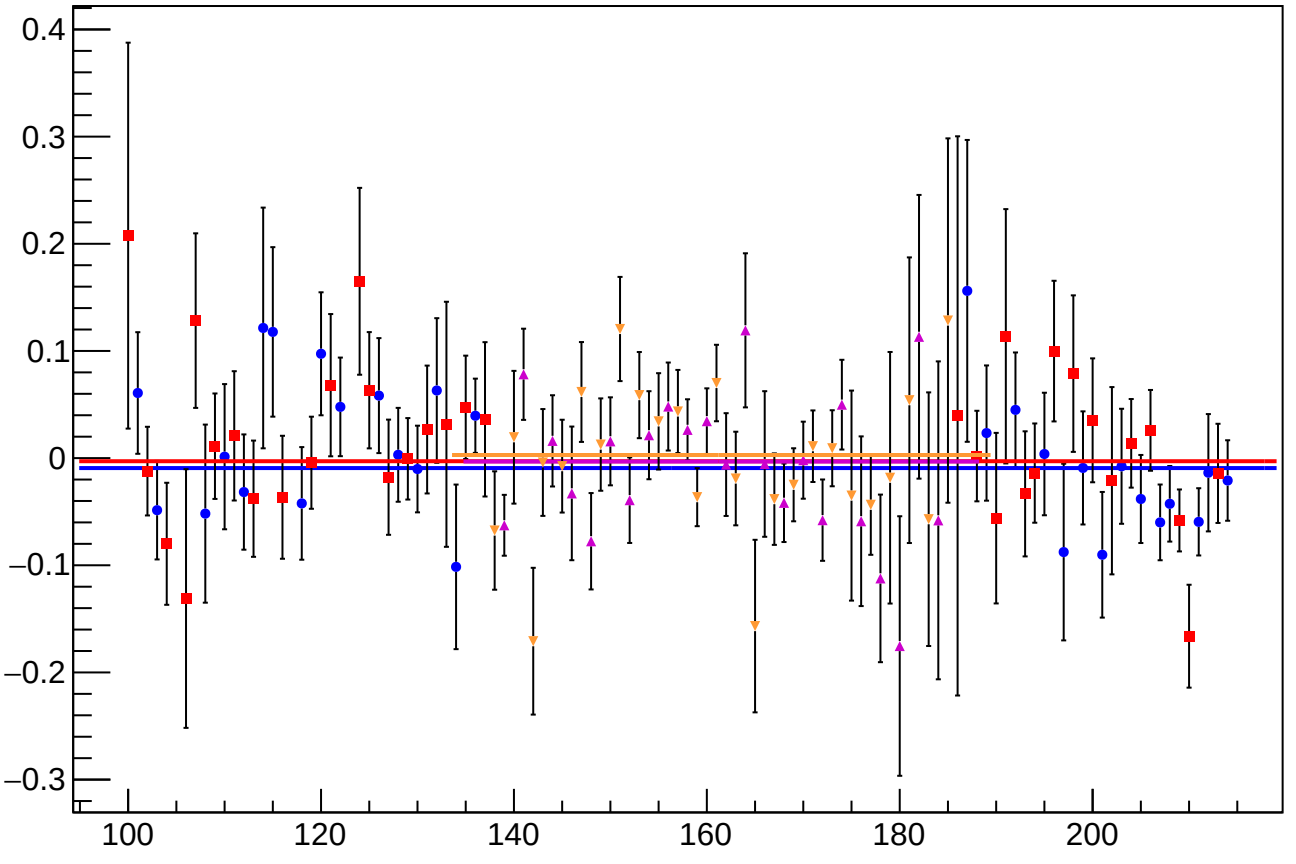
Right Out: 37.389+/-0.007 χ^2/NDF: 2620948.3/33

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.086+/-0.005 χ^2/NDF: 5447215.5/54

All: 36.859+/-0.003 χ^2/NDF: 11237465.5/111

- sign 36.630+/-0.005 χ^2/NDF: 5785365.5/56



Right In: -0.009+/-0.009 χ^2/NDF: 29.9/29

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

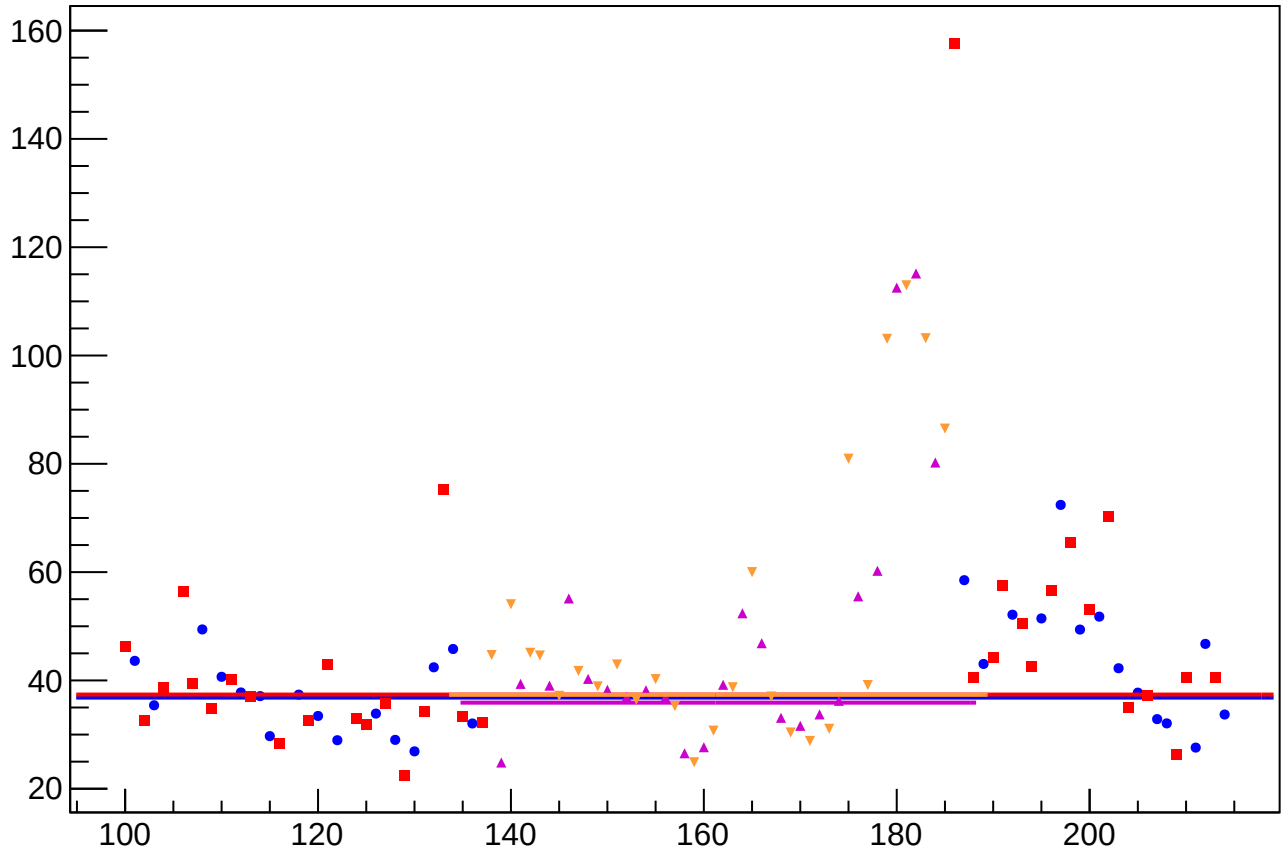
Right Out: -0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.7/54

All: -0.003+/-0.005 χ^2/NDF: 131.6/111

- sign -0.003+/-0.007 χ^2/NDF: 67.9/56



Right In: 36.833+/-0.006 χ^2/NDF: 1747493.3/29

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

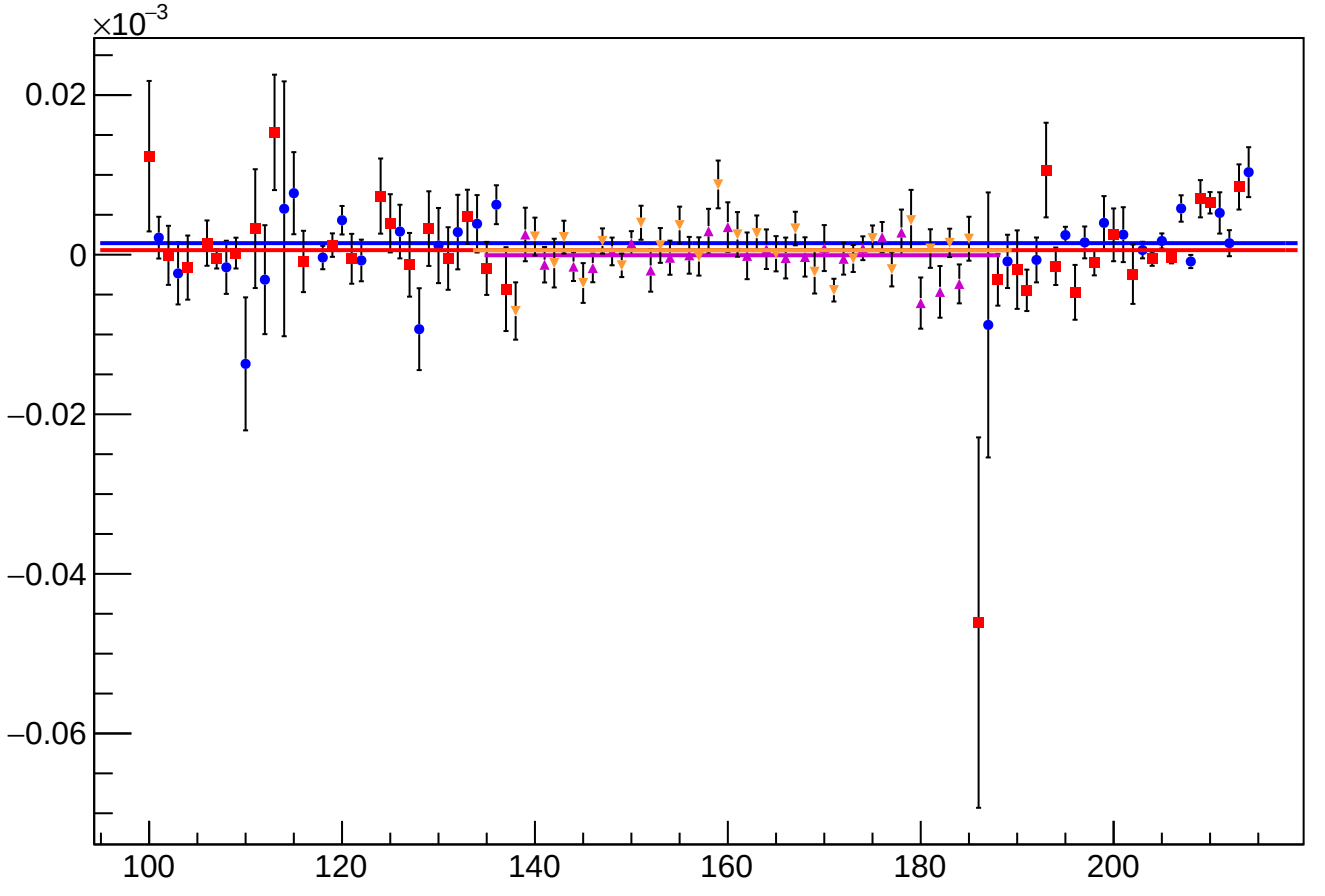
Right Out: 37.389+/-0.007 χ^2/NDF: 2620948.3/33

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.086+/-0.005 χ^2/NDF: 5447215.5/54

All: 36.859+/-0.003 χ^2/NDF: 11237465.5/111

- sign 36.630+/-0.005 χ^2/NDF: 5785365.5/56



Right In: 0.000+/-0.000 χ^2/NDF: 49.6/29

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

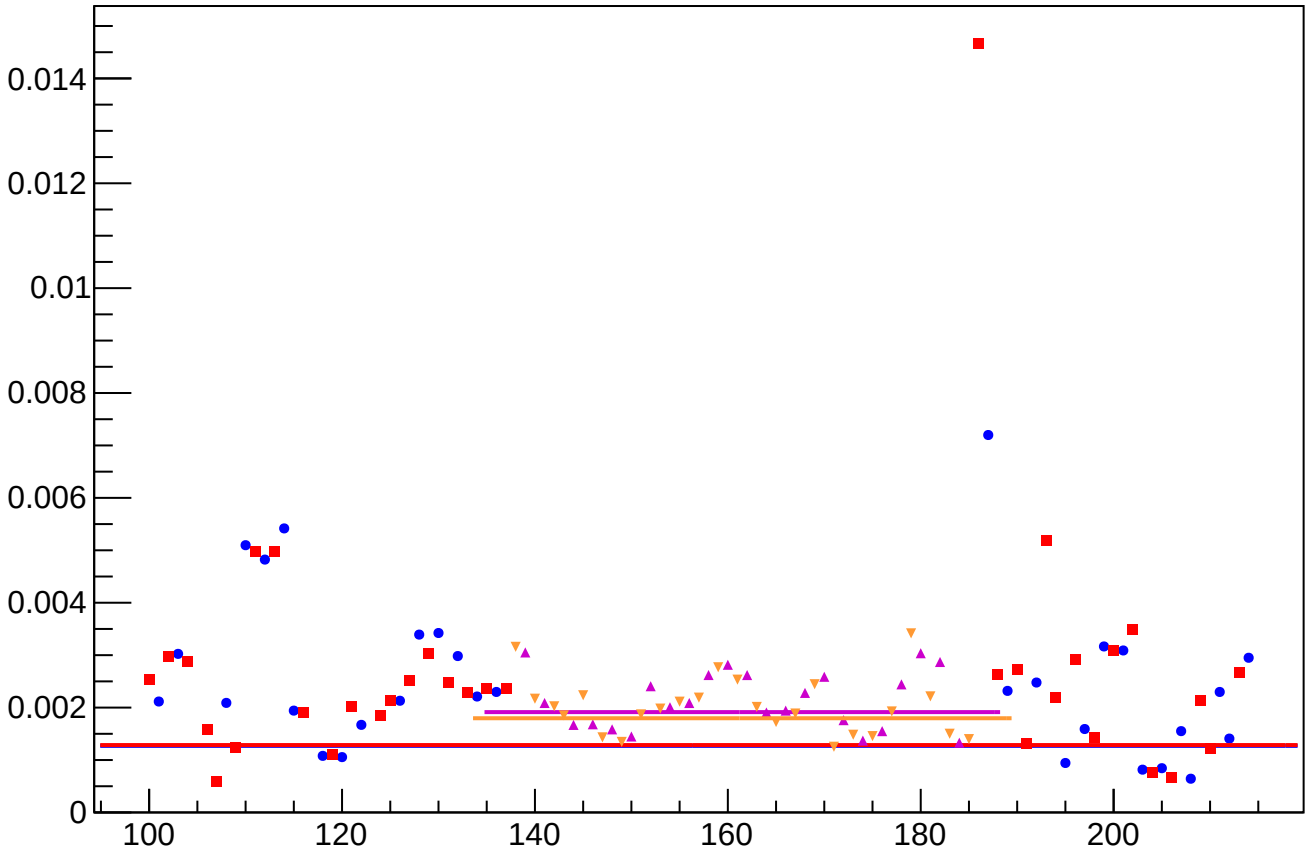
Right Out: 0.000+/-0.000 χ^2/NDF: 69.3/33

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.7/54

All: 0.000+/-0.000 χ^2/NDF: 186.7/111

- sign 0.000+/-0.000 χ^2/NDF: 87.4/56



Right In: 0.001+/-0.000 χ^2/NDF: 8801422.4/29

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

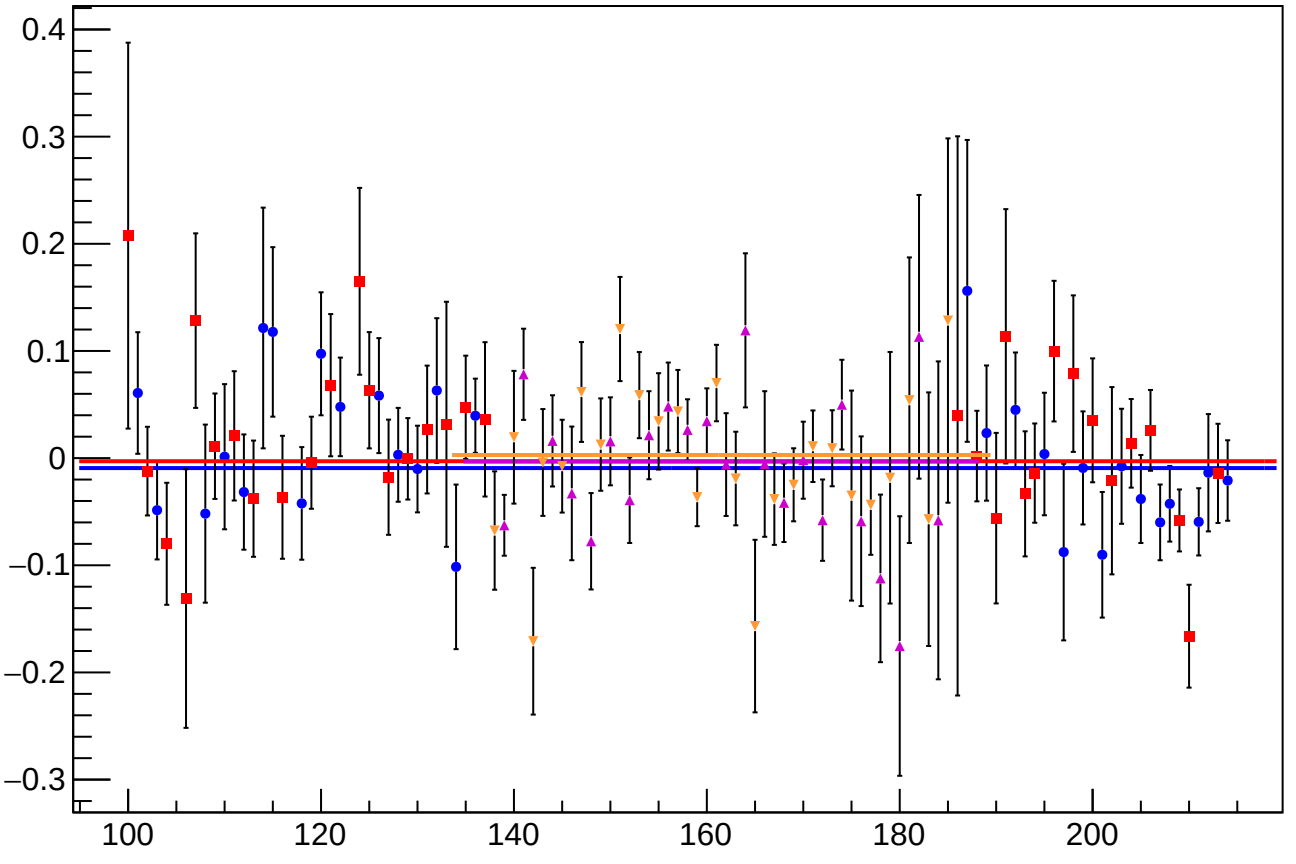
Right Out: 0.001+/-0.000 χ^2/NDF: 10878952.6/33

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12882618.2/54

All: 0.002+/-0.000 χ^2/NDF: 28213688.1/111

- sign 0.002+/-0.000 χ^2/NDF: 15315343.8/56



Right In: -0.009+/-0.009 χ^2/NDF: 29.9/29

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

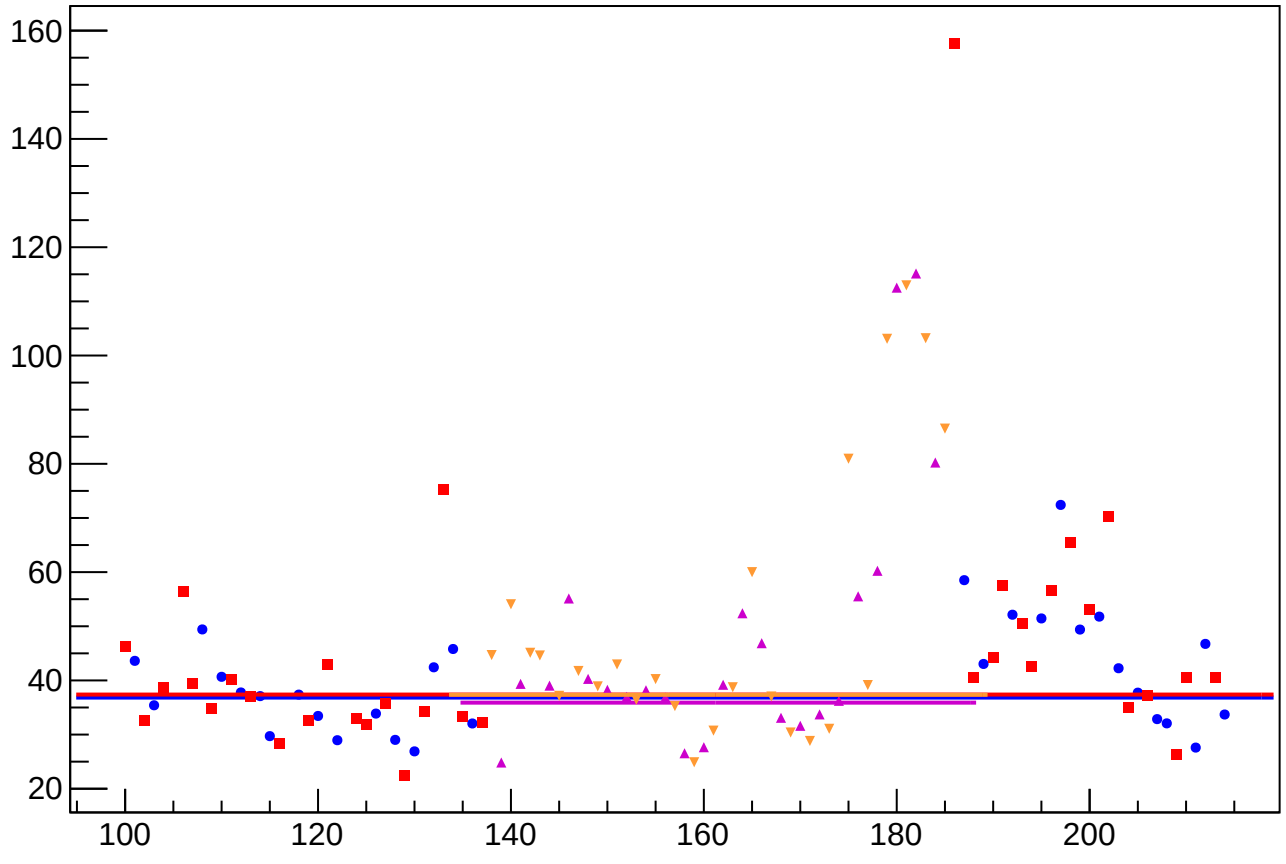
Right Out: -0.003+/-0.009 χ^2/NDF: 38.1/33

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.7/54

All: -0.003+/-0.005 χ^2/NDF: 131.6/111

- sign -0.003+/-0.007 χ^2/NDF: 67.9/56



Right In: 36.833+/-0.006 χ^2/NDF: 1747533.9/29

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.389+/-0.007 χ^2/NDF: 2621025.1/33

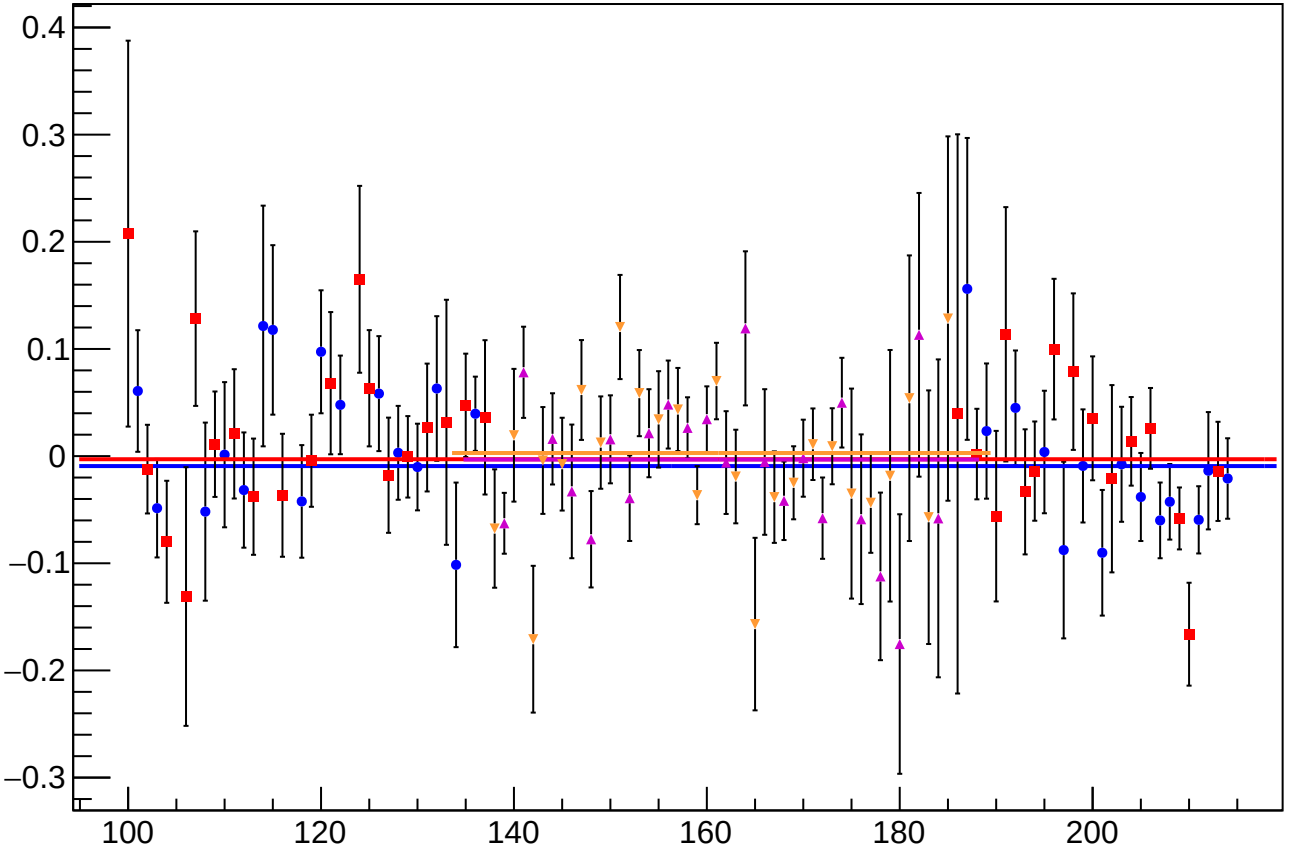
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.086+/-0.005 χ^2/NDF: 5447313.6/54

All: 36.859+/-0.003 χ^2/NDF: 11237632.0/111

- sign 36.630+/-0.005 χ^2/NDF: 5785436.4/56

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.009 χ^2/NDF: 29.9/29

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.003+/-0.009 χ^2/NDF: 38.1/33

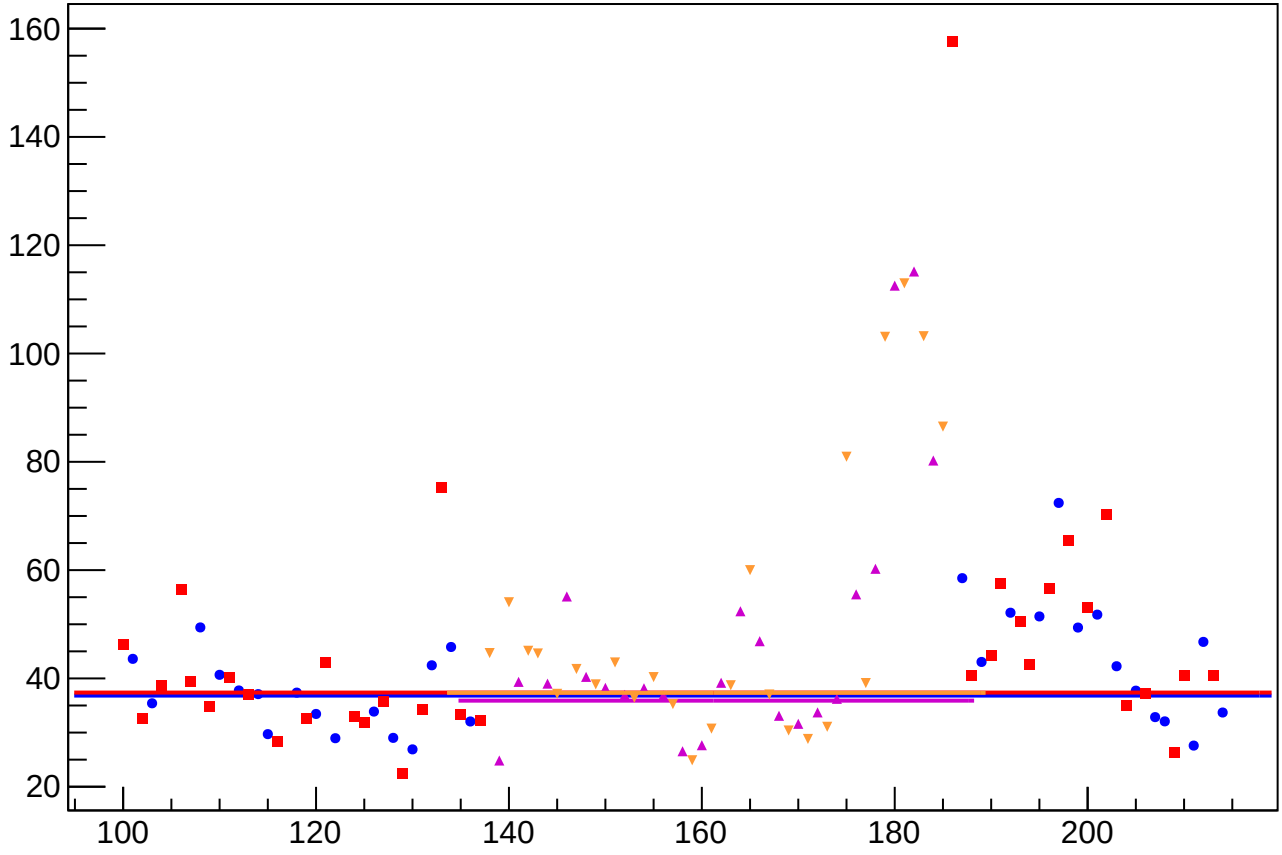
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.003+/-0.007 χ^2/NDF: 63.7/54

All: -0.003+/-0.005 χ^2/NDF: 131.6/111

- sign -0.003+/-0.007 χ^2/NDF: 67.9/56

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.833+/-0.006 χ^2/NDF: 1747533.9/29

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

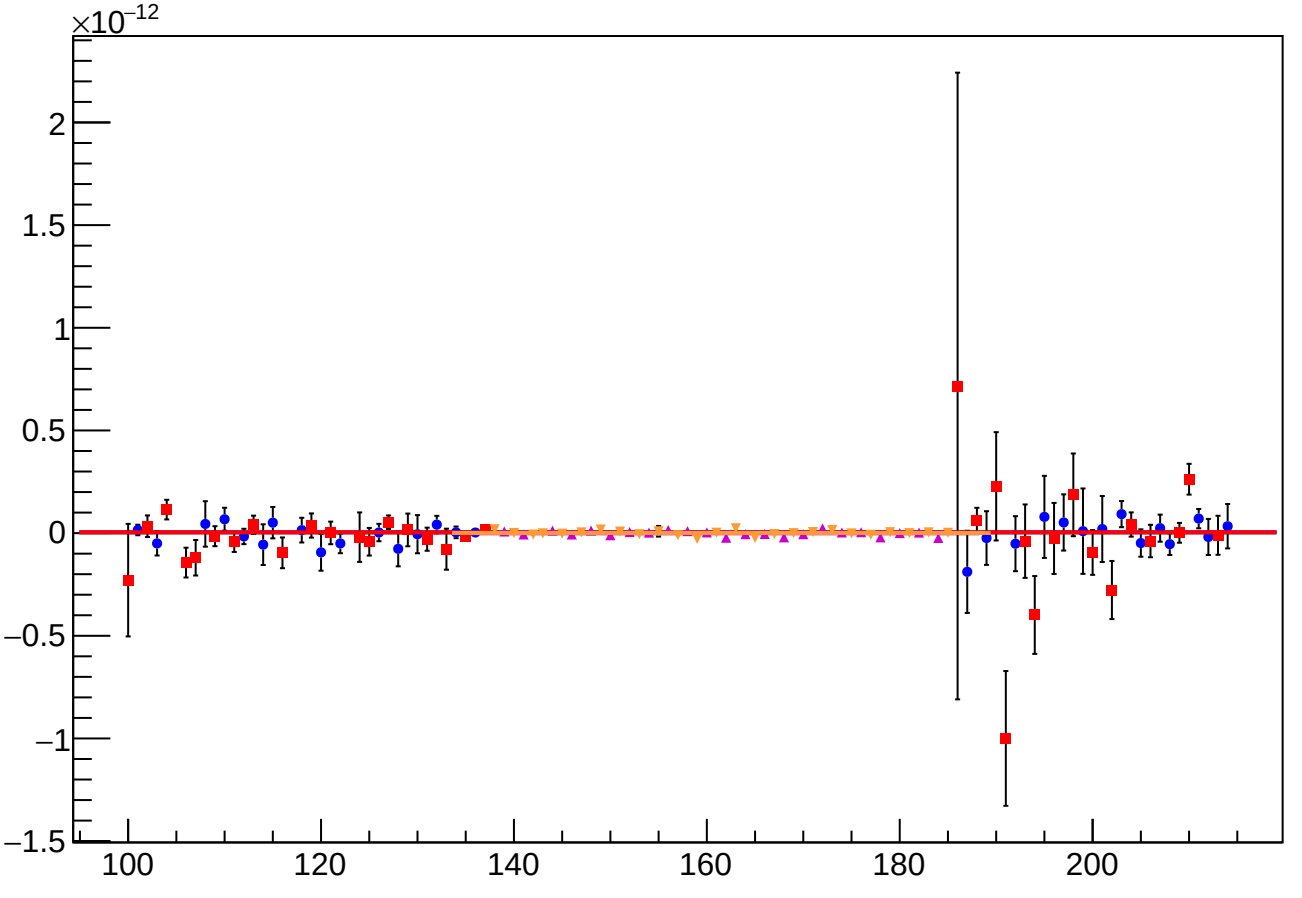
Right Out: 37.389+/-0.007 χ^2/NDF: 2621025.1/33

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.086+/-0.005 χ^2/NDF: 5447313.6/54

All: 36.859+/-0.003 χ^2/NDF: 11237632.0/111

- sign 36.630+/-0.005 χ^2/NDF: 5785436.4/56



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/29

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

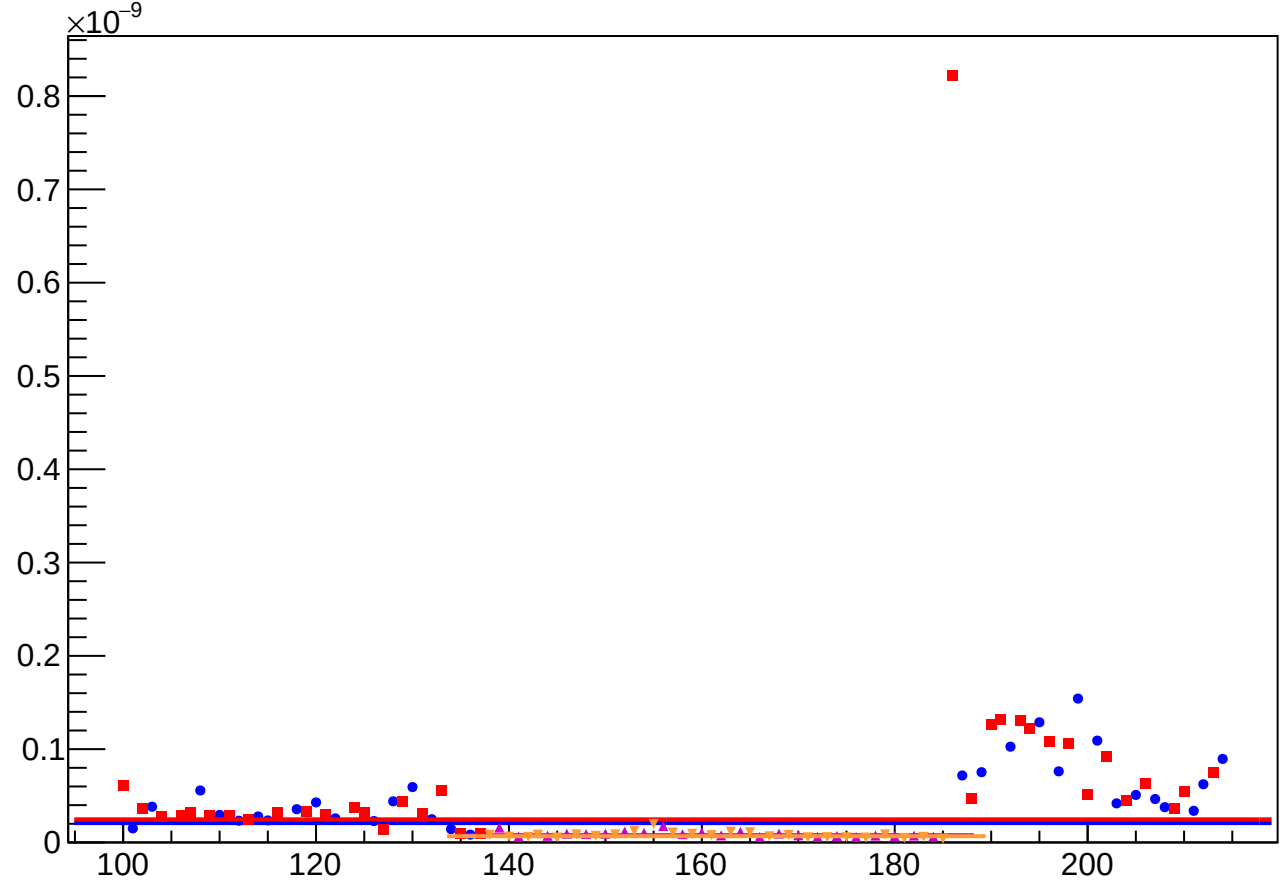
Right Out: 0.000+/-0.000 χ^2/NDF: 55.4/33

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.6/54

All: 0.000+/-0.000 χ^2/NDF: 121.8/111

- sign -0.000+/-0.000 χ^2/NDF: 84.9/56



Right In: 0.000+/-0.000 χ^2/NDF: 9553565.7/29

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8618855.2/33

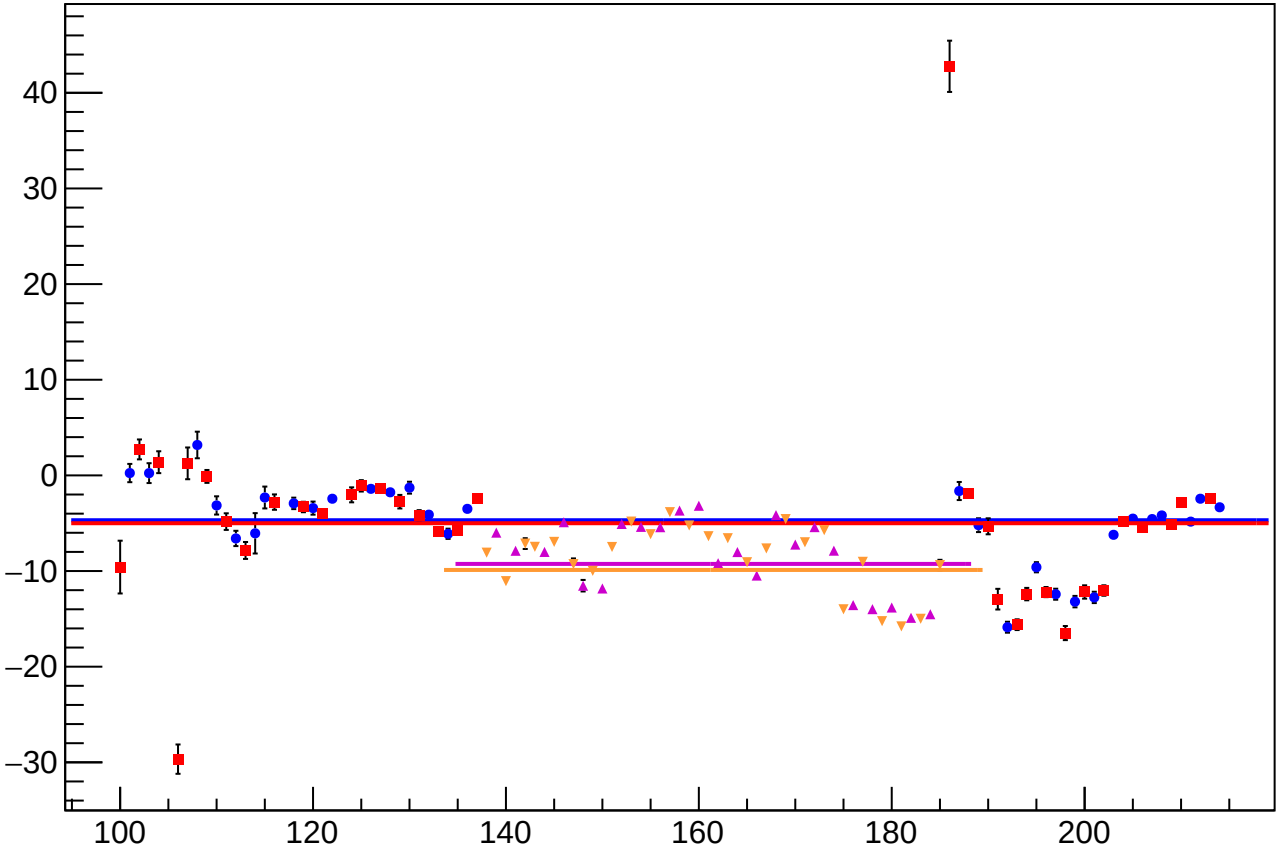
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 17363137.4/54

All: 0.000+/-0.000 χ^2/NDF: 34067513.3/111

- sign 0.000+/-0.000 χ^2/NDF: 16375382.1/56

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.688+/-0.088 χ^2/NDF: 1389.3/29

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.001+/-0.090 χ^2/NDF: 2382.4/33

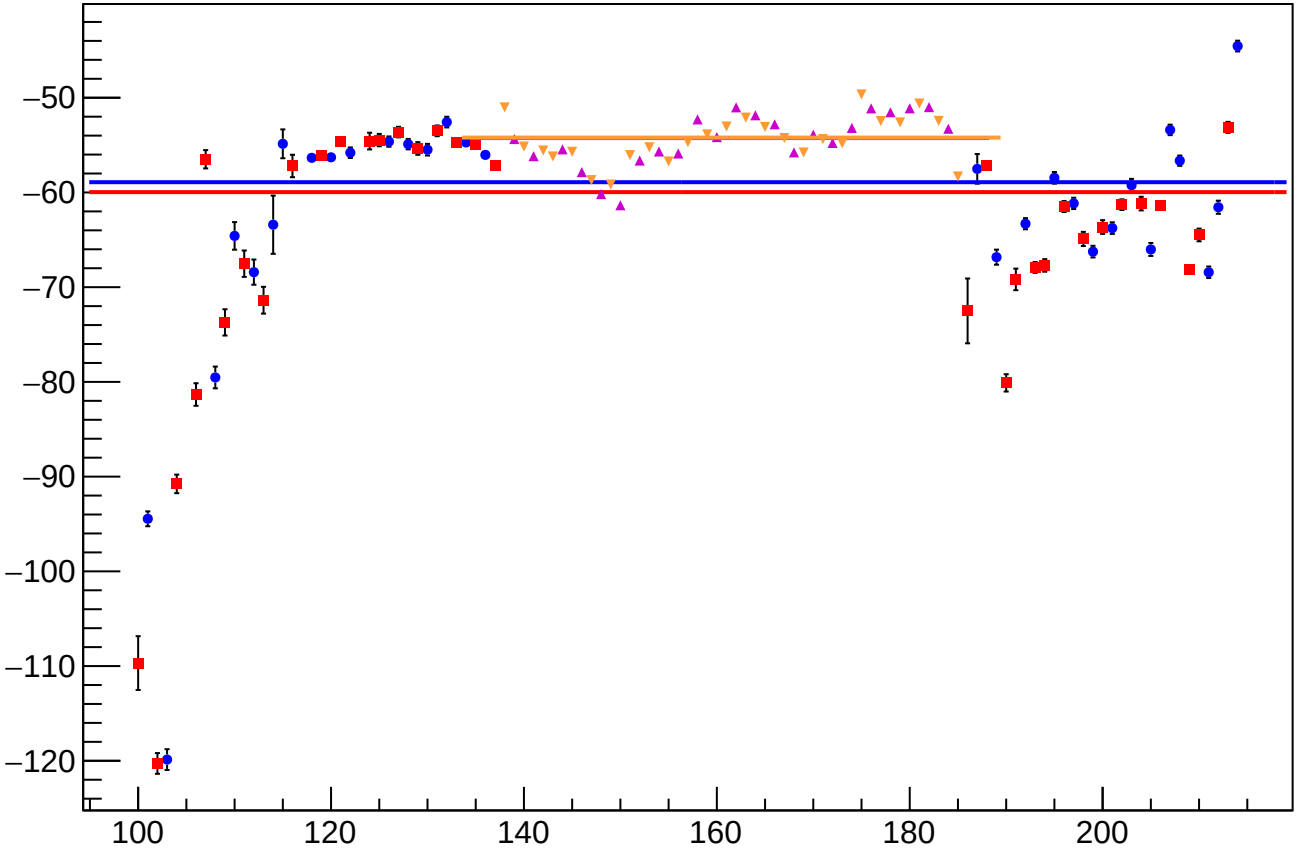
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.888+/-0.055 χ^2/NDF: 6744.5/54

All: -7.755+/-0.039 χ^2/NDF: 13567.3/111

- sign -7.614+/-0.056 χ^2/NDF: 6810.6/56

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.918+/-0.106 χ^2/NDF: 7648.5/29

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.965+/-0.107 χ^2/NDF: 7480.4/33

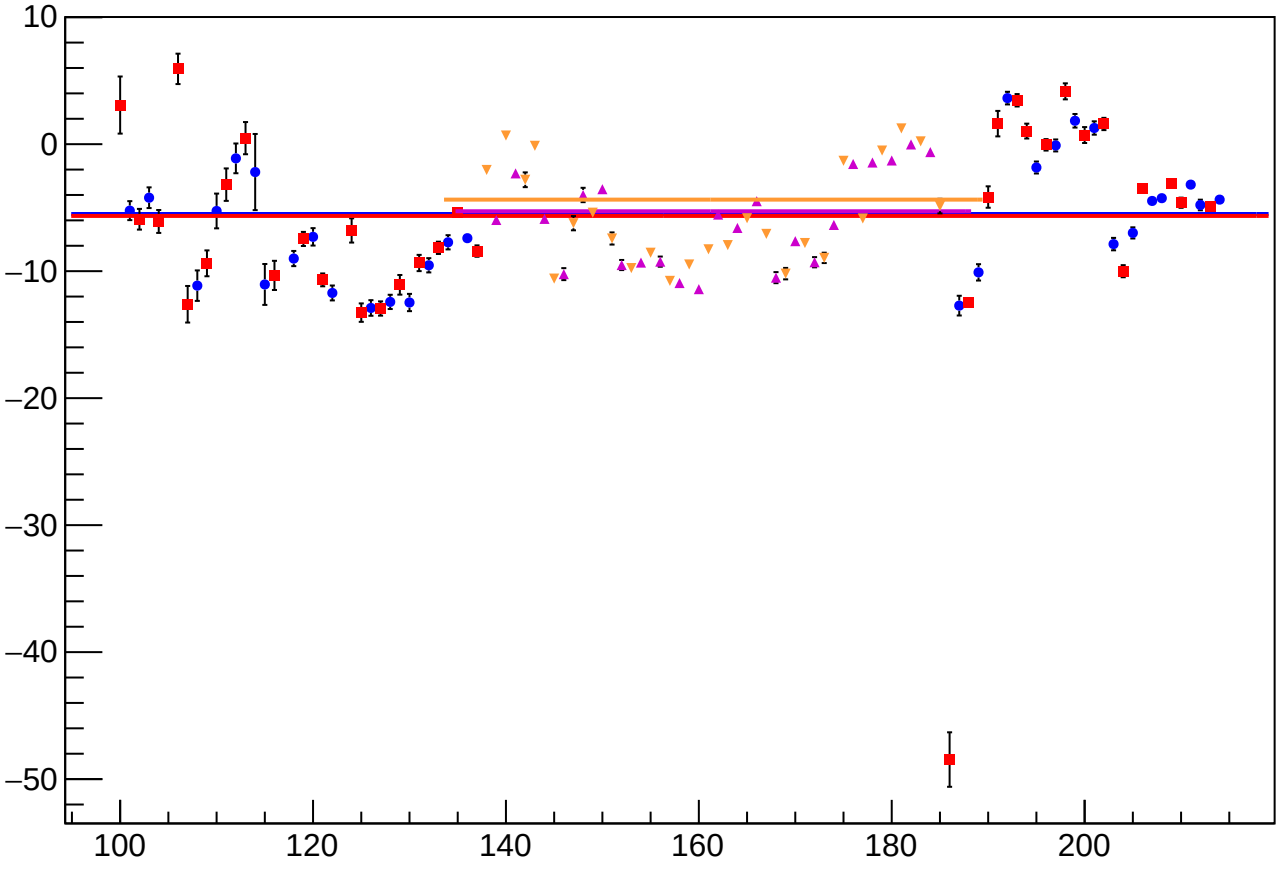
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.228+/-0.049 χ^2/NDF: 11050.3/54

All: -55.394+/-0.036 χ^2/NDF: 23249.6/111

- sign -55.571+/-0.051 χ^2/NDF: 12176.0/56

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.500+/-0.089 χ^2/NDF: 1890.4/29

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.649+/-0.090 χ^2/NDF: 3273.4/33

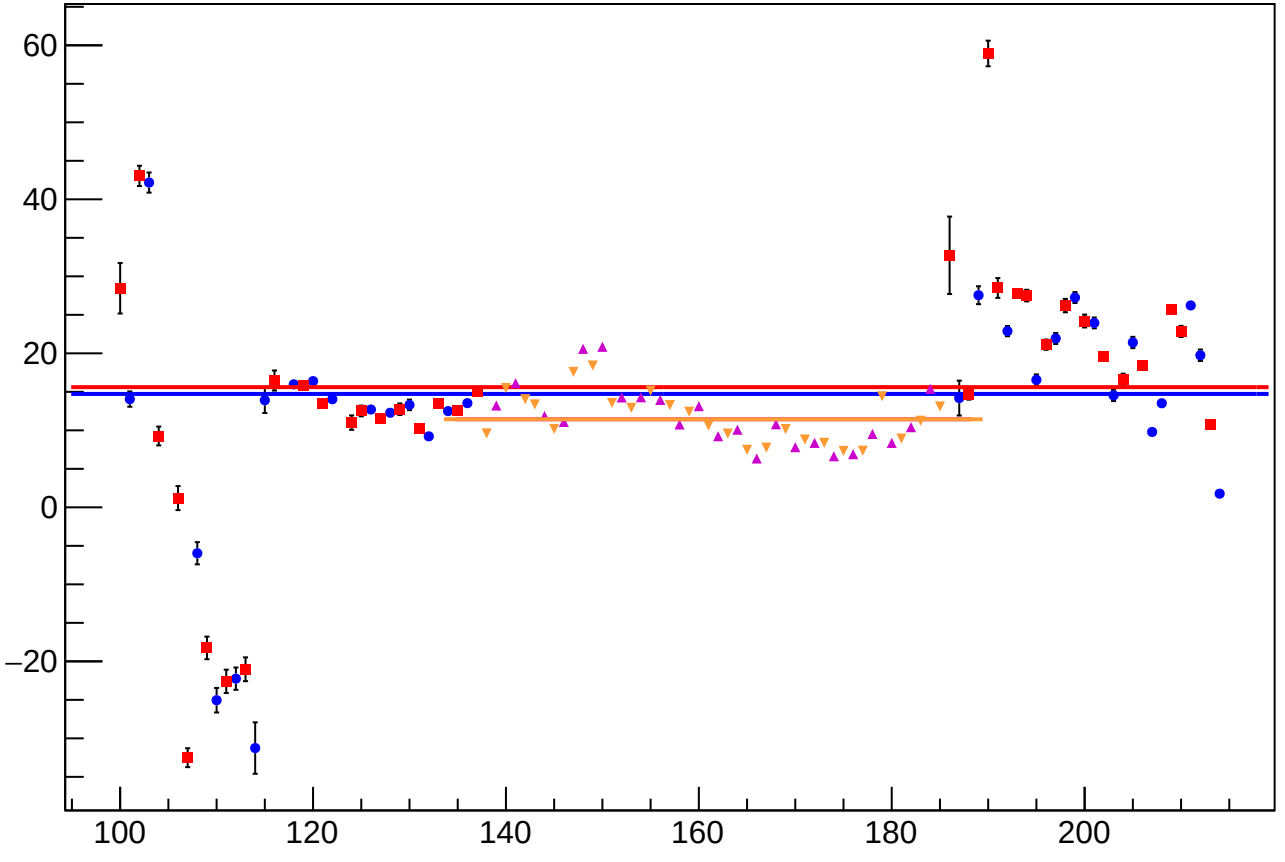
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

\+ sign -4.792+/-0.055 χ^2/NDF: 5692.4/54

All: -5.101+/-0.039 χ^2/NDF: 11791.2/111

\- sign -5.423+/-0.056 χ^2/NDF: 6033.7/56

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 14.727+/-0.118 χ^2/NDF: 4139.3/29

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.609+/-0.121 χ^2/NDF: 6396.5/33

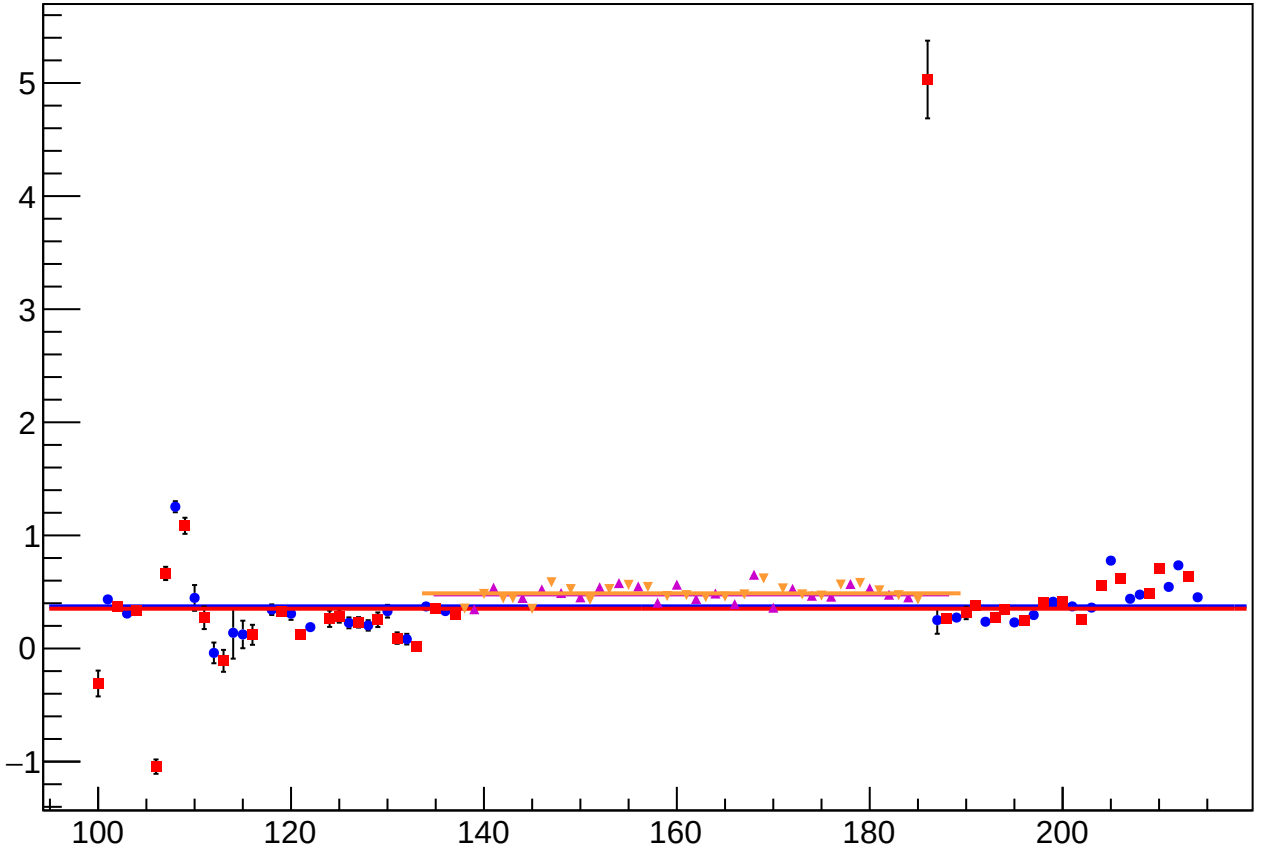
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.150+/-0.055 χ^2/NDF: 7184.5/54

All: 12.252+/-0.039 χ^2/NDF: 17876.9/111

- sign 12.361+/-0.057 χ^2/NDF: 10685.2/56

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.373+/-0.005 χ^2/NDF: 887.2/29

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.352+/-0.005 χ^2/NDF: 1534.7/33

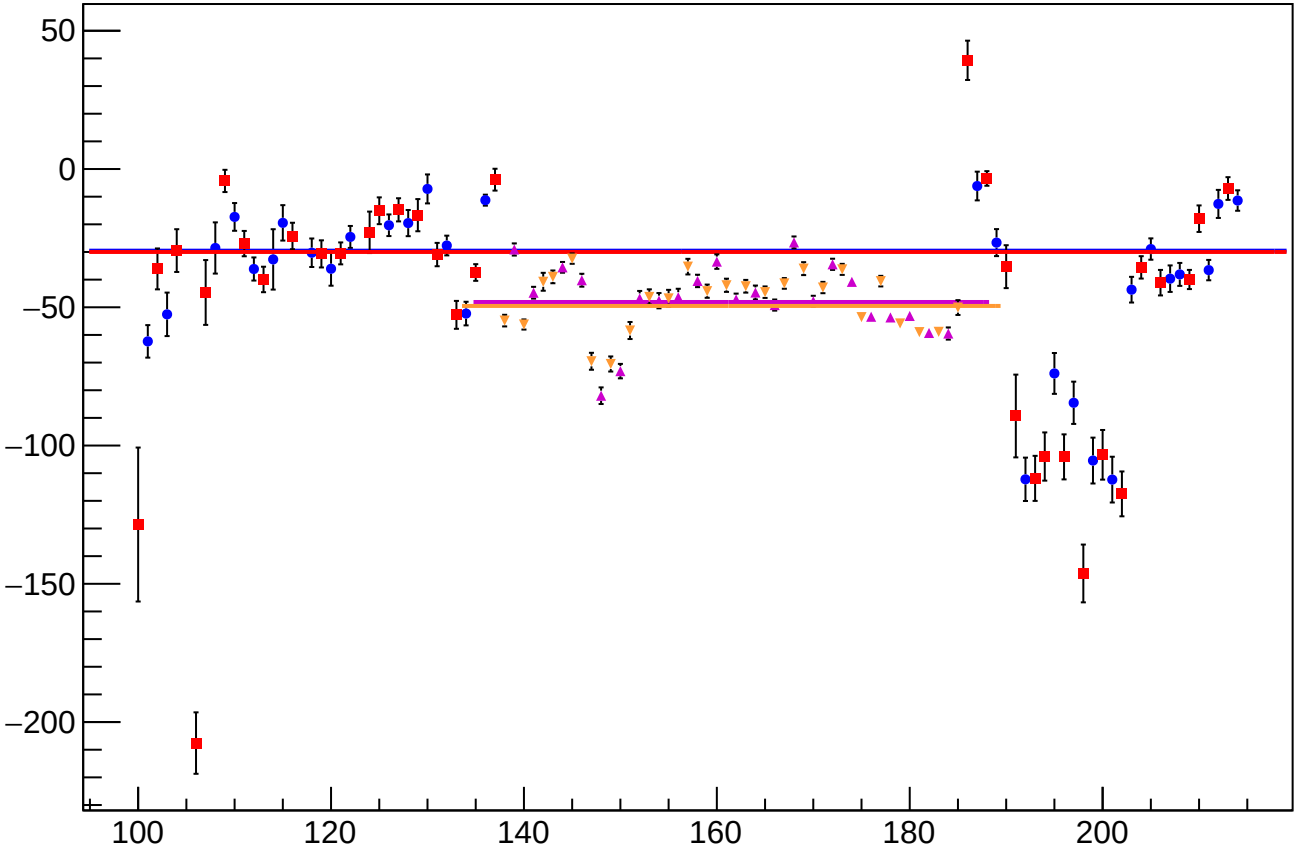
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

\+ sign 0.463+/-0.002 χ^2/NDF: 1813.4/54

All: 0.457+/-0.002 χ^2/NDF: 4603.9/111

\- sign 0.452+/-0.002 χ^2/NDF: 2779.8/56

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -29.531+/-0.843 χ^2/NDF: 655.1/29

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -29.991+/-0.867 χ^2/NDF: 1245.4/33

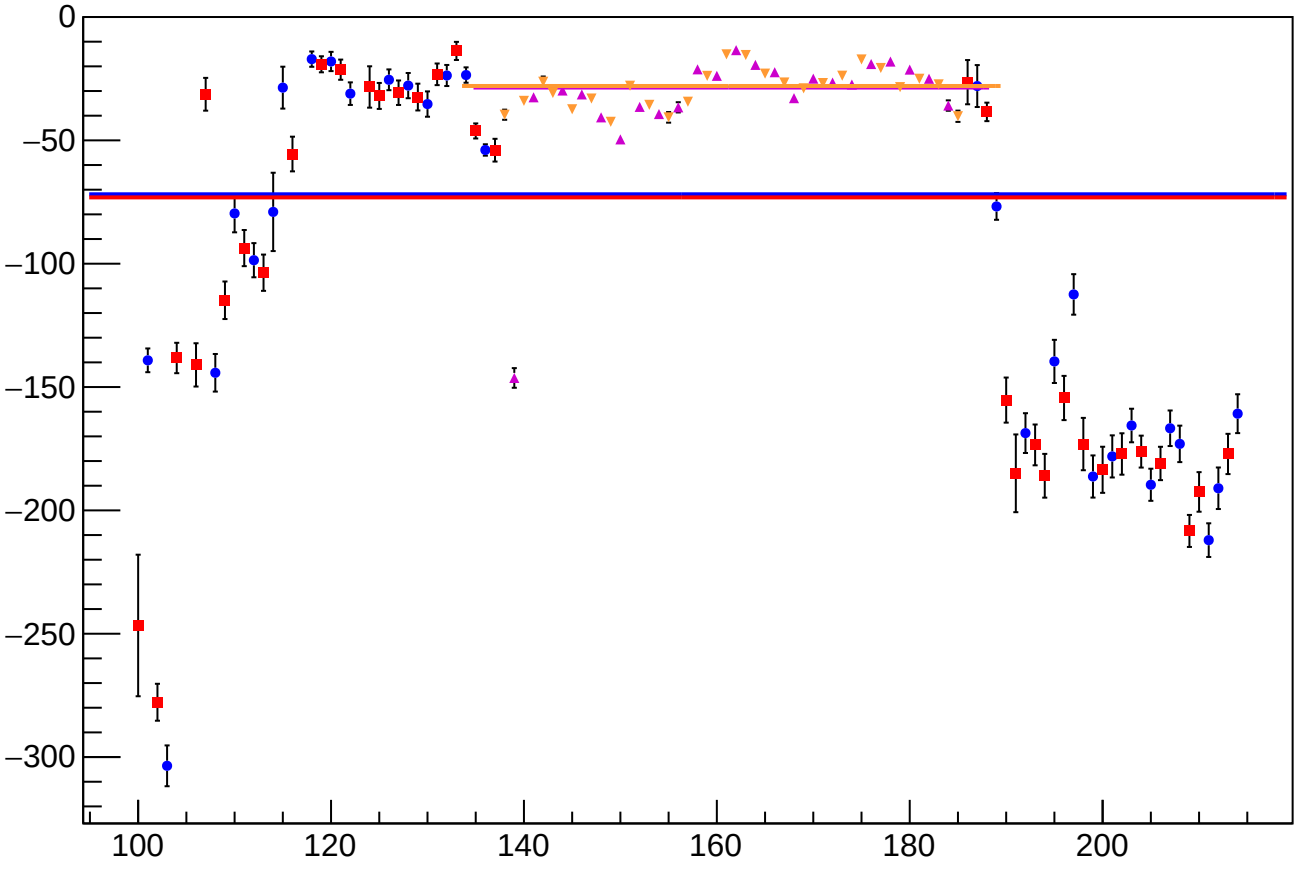
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -45.806+/-0.363 χ^2/NDF: 1689.4/54

All: -45.256+/-0.261 χ^2/NDF: 3999.3/111

- sign -44.665+/-0.377 χ^2/NDF: 2305.1/56

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -71.867+/-0.963 χ^2/NDF: 4584.2/29

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -73.121+/-1.005 χ^2/NDF: 4540.1/33

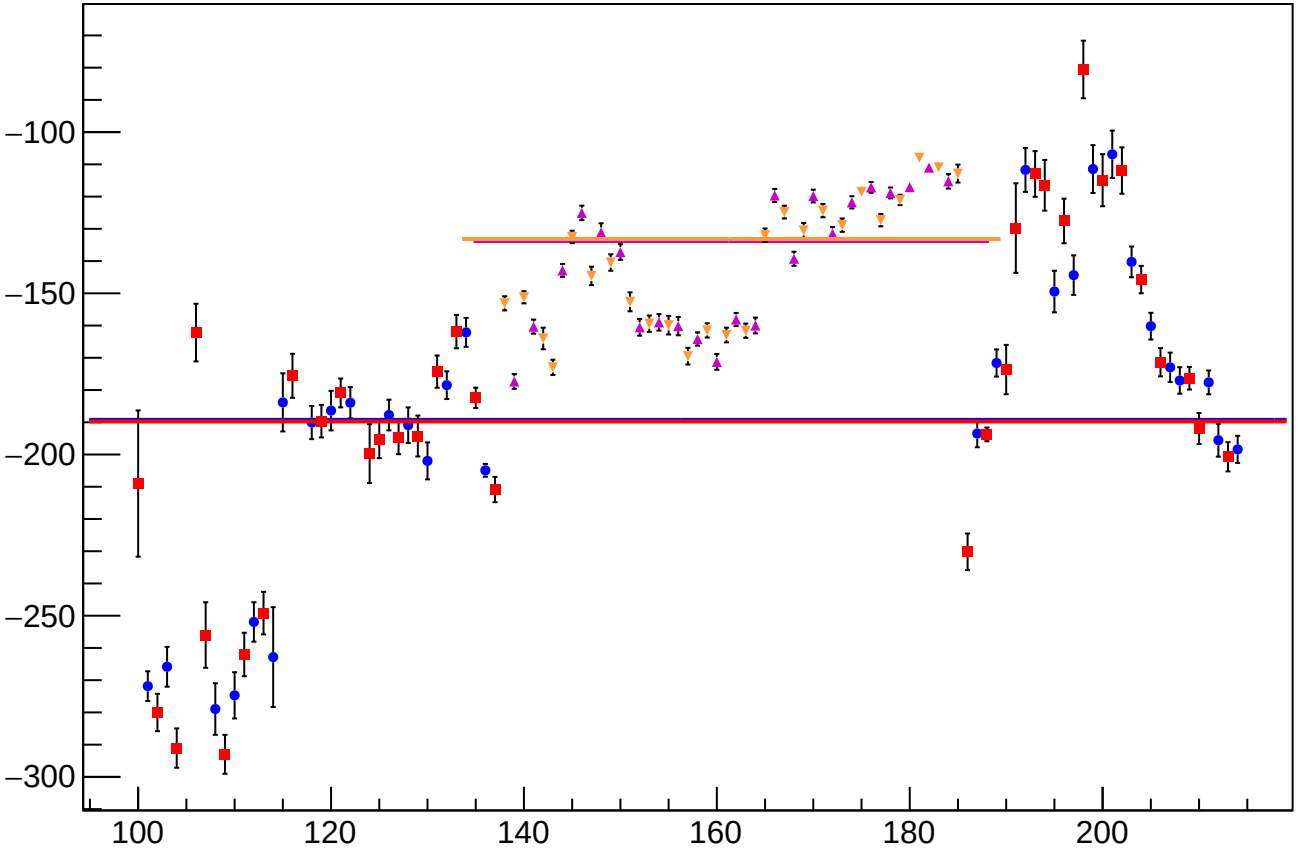
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -32.351+/-0.305 χ^2/NDF: 6952.8/54

All: -32.667+/-0.220 χ^2/NDF: 14742.9/111

\- sign -33.009+/-0.317 χ^2/NDF: 7787.8/56

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -189.256+/-0.871 χ^2/NDF: 1650.3/29

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.747+/-0.888 χ^2/NDF: 2005.0/33

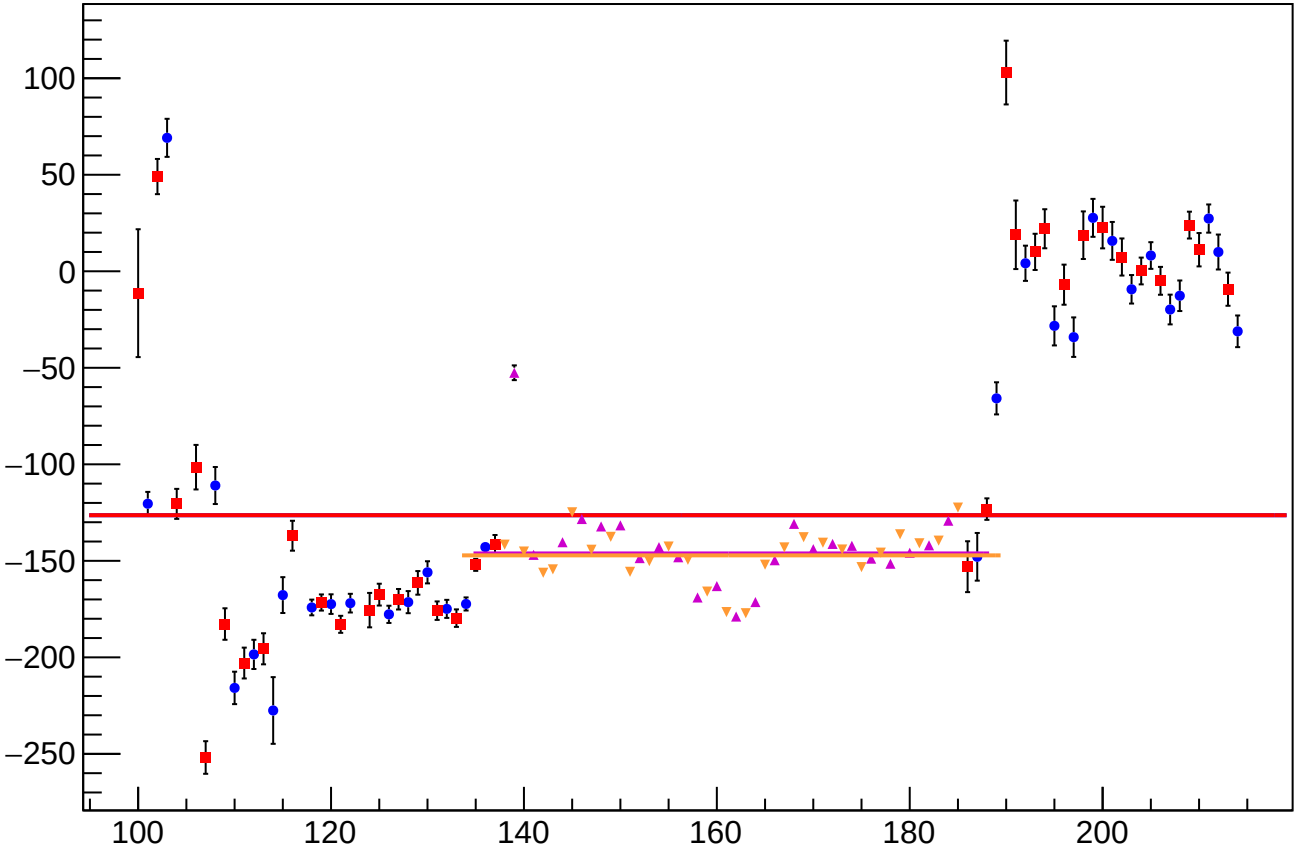
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -143.043+/-0.366 χ^2/NDF: 7598.0/54

All: -143.456+/-0.263 χ^2/NDF: 15303.4/111

- sign -143.895+/-0.377 χ^2/NDF: 7702.8/56

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -126.387+/-1.080 χ^2/NDF: 4250.6/29

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -126.361+/-1.148 χ^2/NDF: 4479.9/33

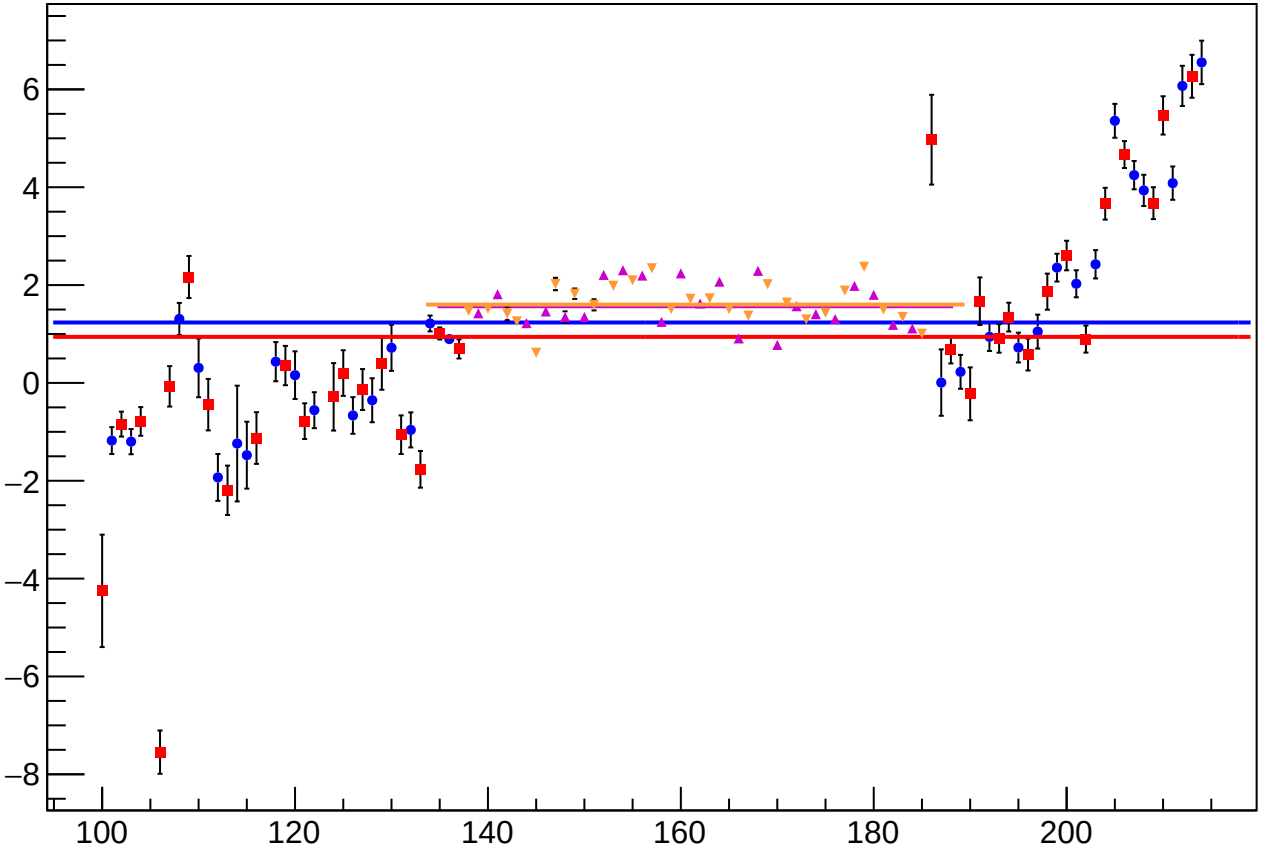
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

+ sign -145.110+/-0.340 χ^2/NDF: 5829.6/54

All: -144.721+/-0.245 χ^2/NDF: 12375.8/111

- sign -144.303+/-0.353 χ^2/NDF: 6543.6/56

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.235+/-0.052 χ^2/NDF: 1085.1/29

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.941+/-0.056 χ^2/NDF: 1335.7/33

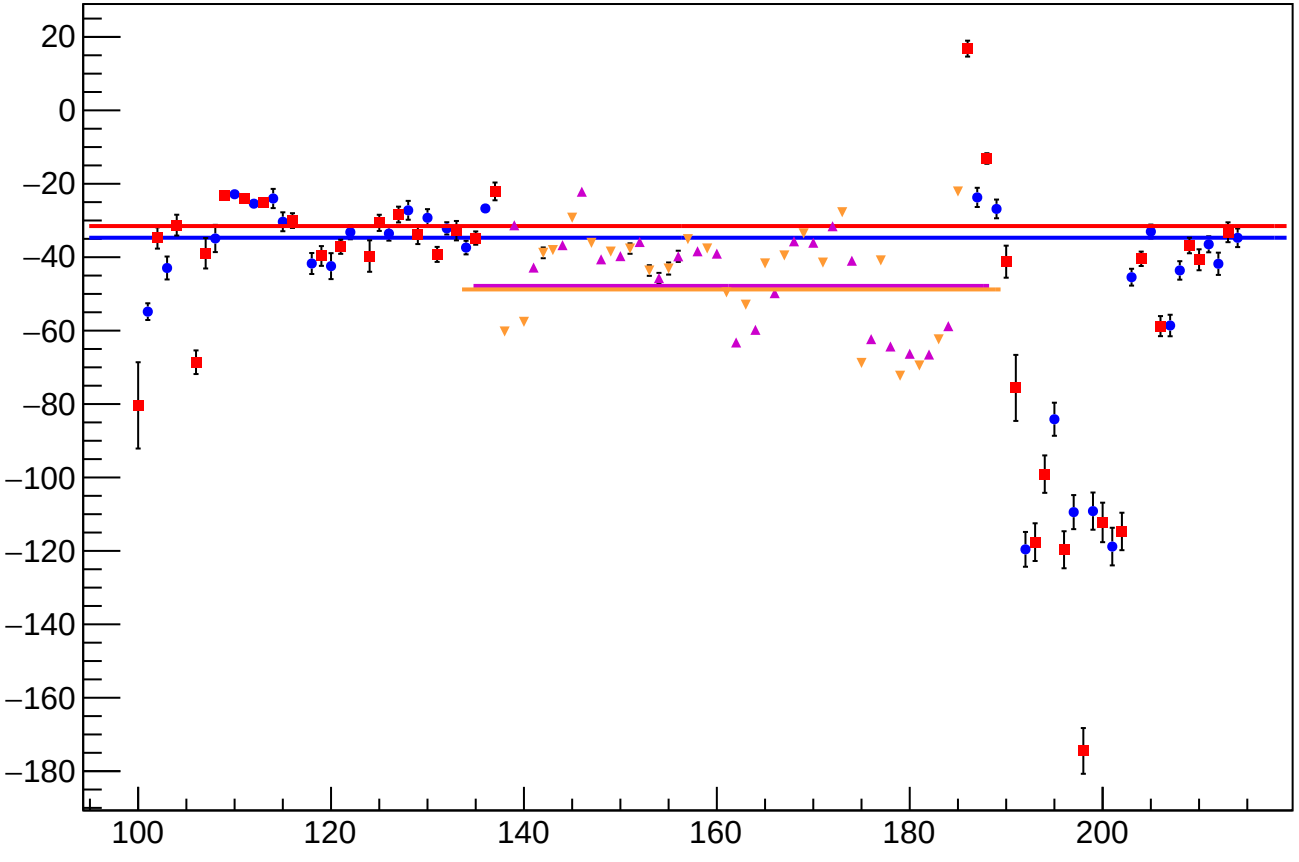
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.570+/-0.015 χ^2/NDF: 1711.7/54

All: 1.544+/-0.011 χ^2/NDF: 3904.2/111

- sign 1.518+/-0.016 χ^2/NDF: 2186.8/56

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.697+/-0.398 χ^2/NDF: 1661.4/29

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.516+/-0.384 χ^2/NDF: 2953.6/33

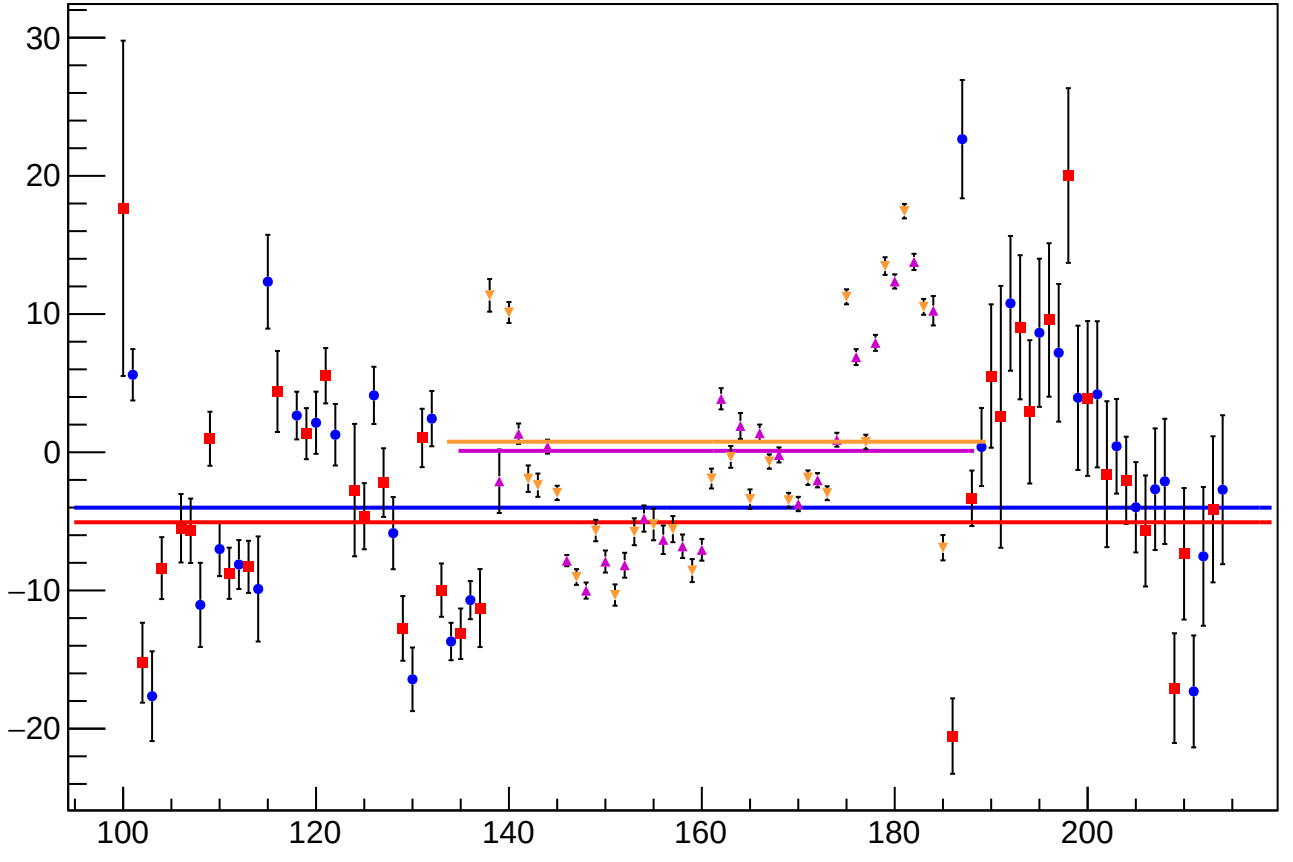
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.682+/-0.154 χ^2/NDF: 11679.2/54

All: -45.925+/-0.109 χ^2/NDF: 23412.1/111

- sign -45.152+/-0.155 χ^2/NDF: 11683.9/56

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -4.008+/-0.464 χ^2/NDF: 320.0/29

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.065+/-0.467 χ^2/NDF: 220.0/33

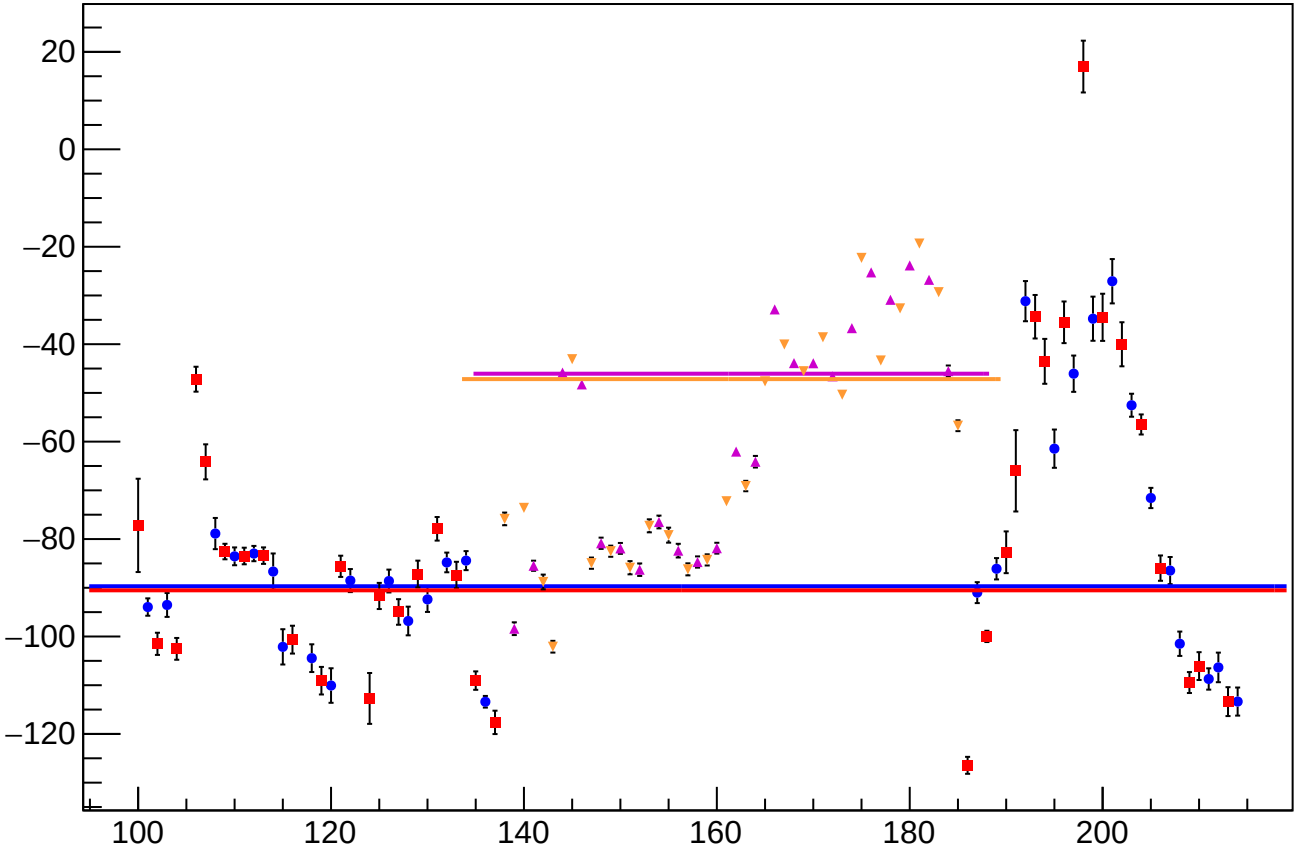
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.407+/-0.127 χ^2/NDF: 3884.9/54

All: 0.063+/-0.090 χ^2/NDF: 6954.7/111

- sign -0.285+/-0.128 χ^2/NDF: 3055.0/56

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.688+/-0.433 χ^2/NDF: 1785.3/29

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.522+/-0.421 χ^2/NDF: 2833.2/33

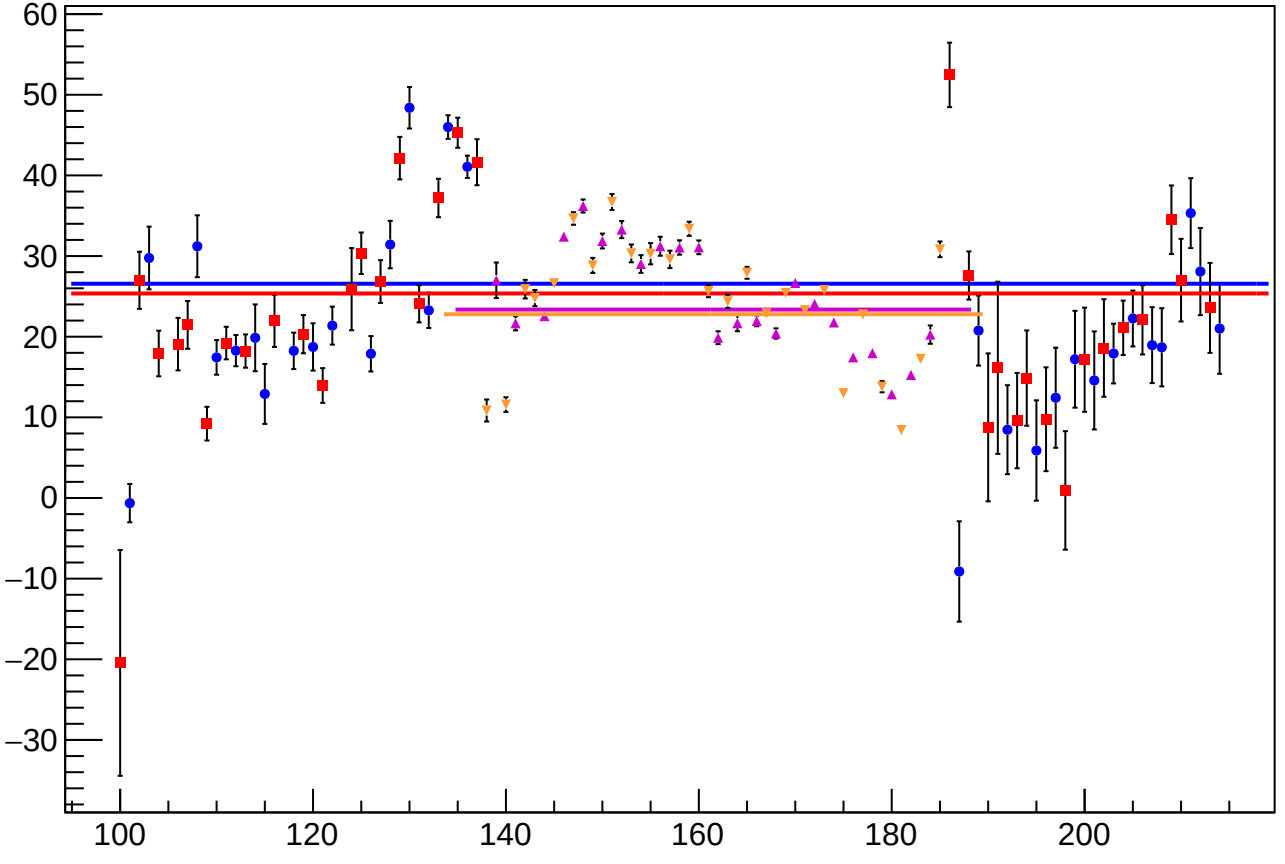
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -52.695+/-0.156 χ^2/NDF: 27816.5/54

All: -52.505+/-0.111 χ^2/NDF: 55025.4/111

- sign -52.311+/-0.158 χ^2/NDF: 27205.8/56

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.568+/-0.522 χ^2/NDF: 675.5/29

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.360+/-0.536 χ^2/NDF: 442.3/33

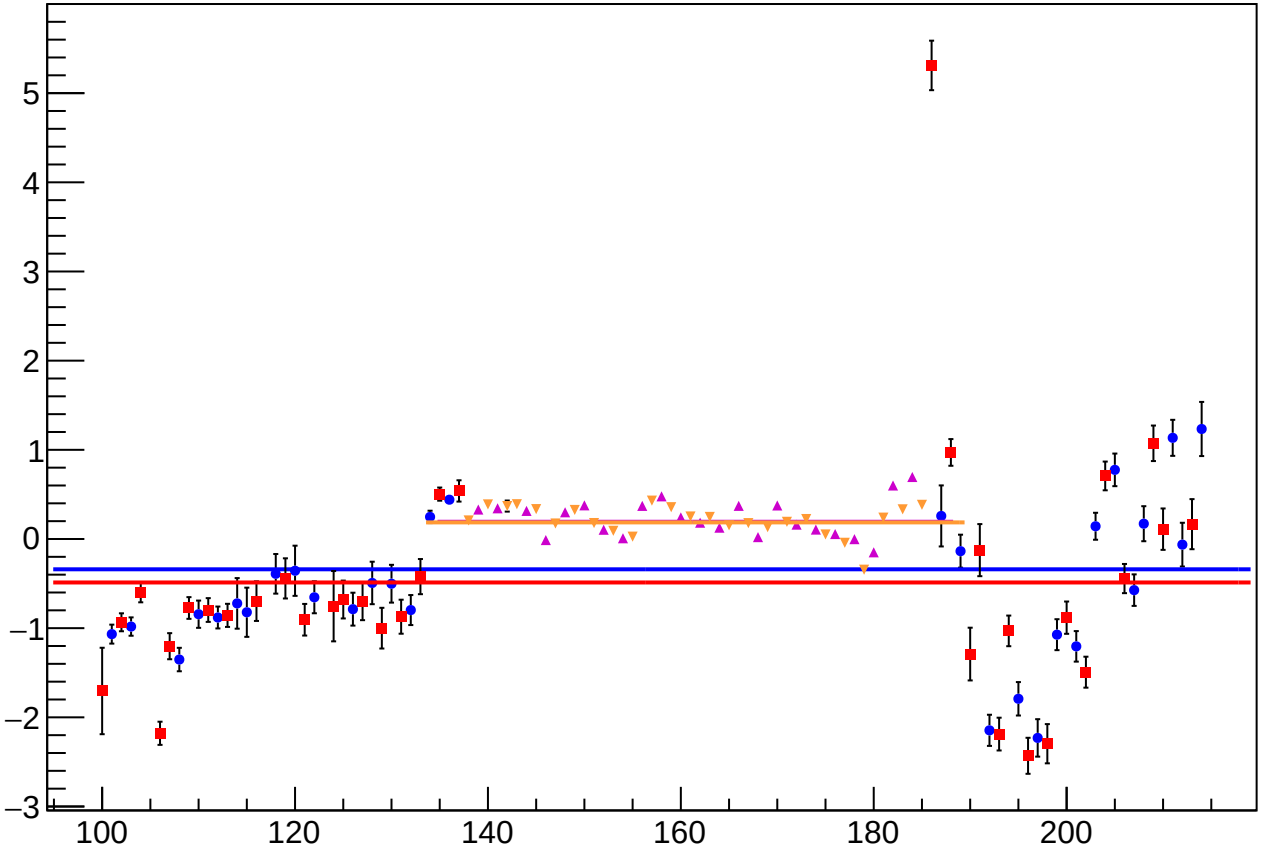
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.061+/-0.142 χ^2/NDF: 3137.1/54

All: 23.282+/-0.101 χ^2/NDF: 5382.6/111

- sign 23.508+/-0.143 χ^2/NDF: 2240.5/56

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.340+/-0.026 χ^2/NDF: 892.8/29

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.488+/-0.028 χ^2/NDF: 1475.1/33

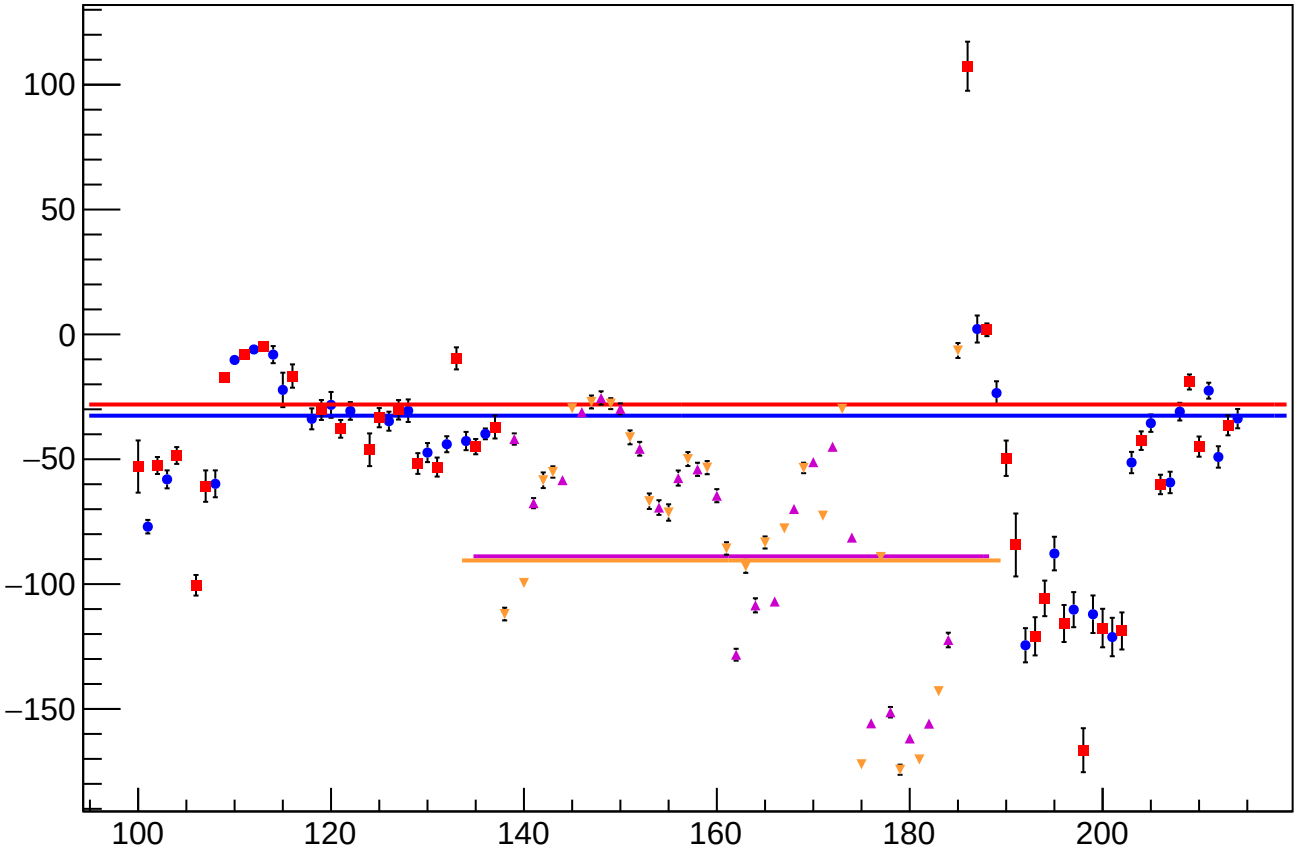
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.155+/-0.006 χ^2/NDF: 1913.3/54

All: 0.156+/-0.005 χ^2/NDF: 4901.2/111

- sign 0.156+/-0.006 χ^2/NDF: 2987.9/56

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -32.553+/-0.625 χ^2/NDF: 1677.3/29

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.075+/-0.583 χ^2/NDF: 2426.5/33

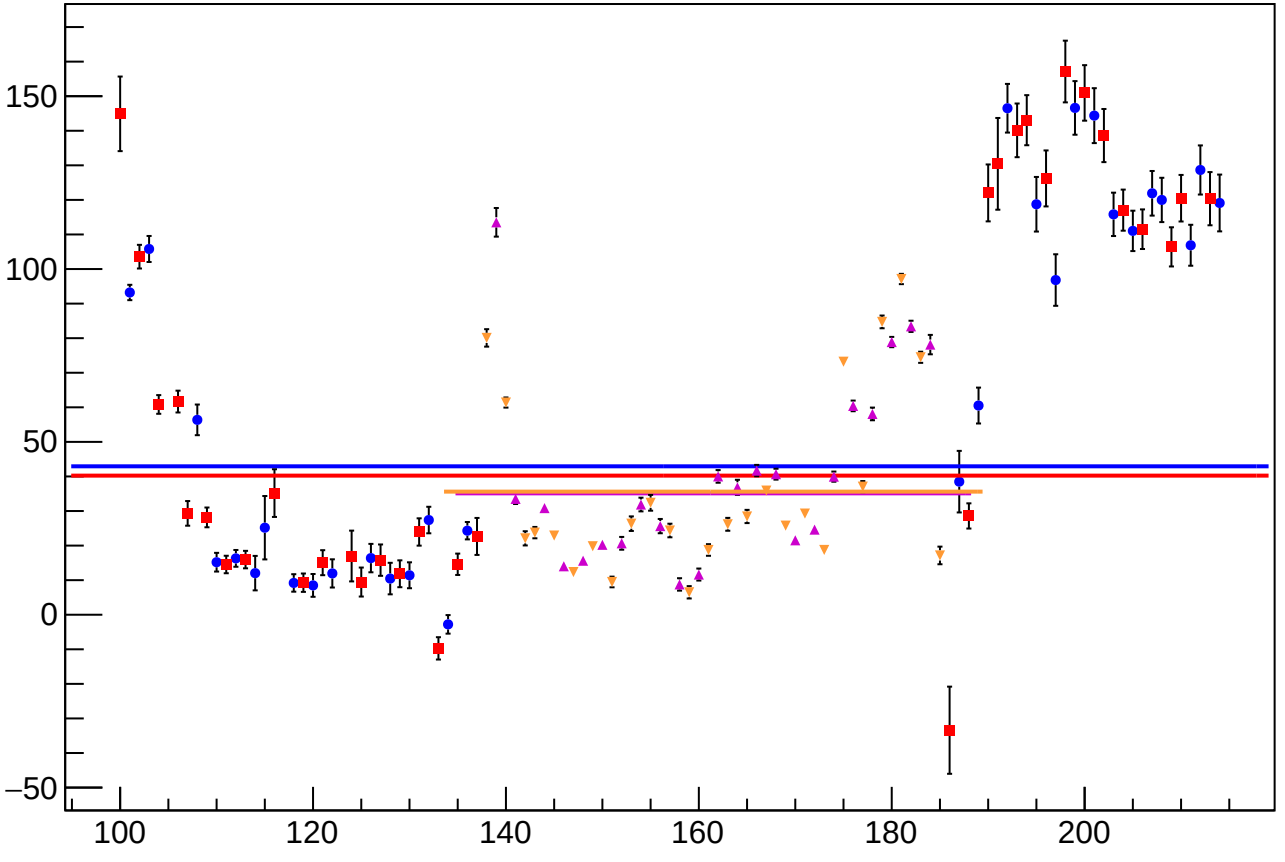
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -72.434+/-0.349 χ^2/NDF: 22948.9/54

All: -69.798+/-0.247 χ^2/NDF: 44297.9/111

- sign -67.177+/-0.348 χ^2/NDF: 21235.5/56

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 42.934+/-0.738 χ^2/NDF: 3566.6/29

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 40.240+/-0.725 χ^2/NDF: 3334.3/33

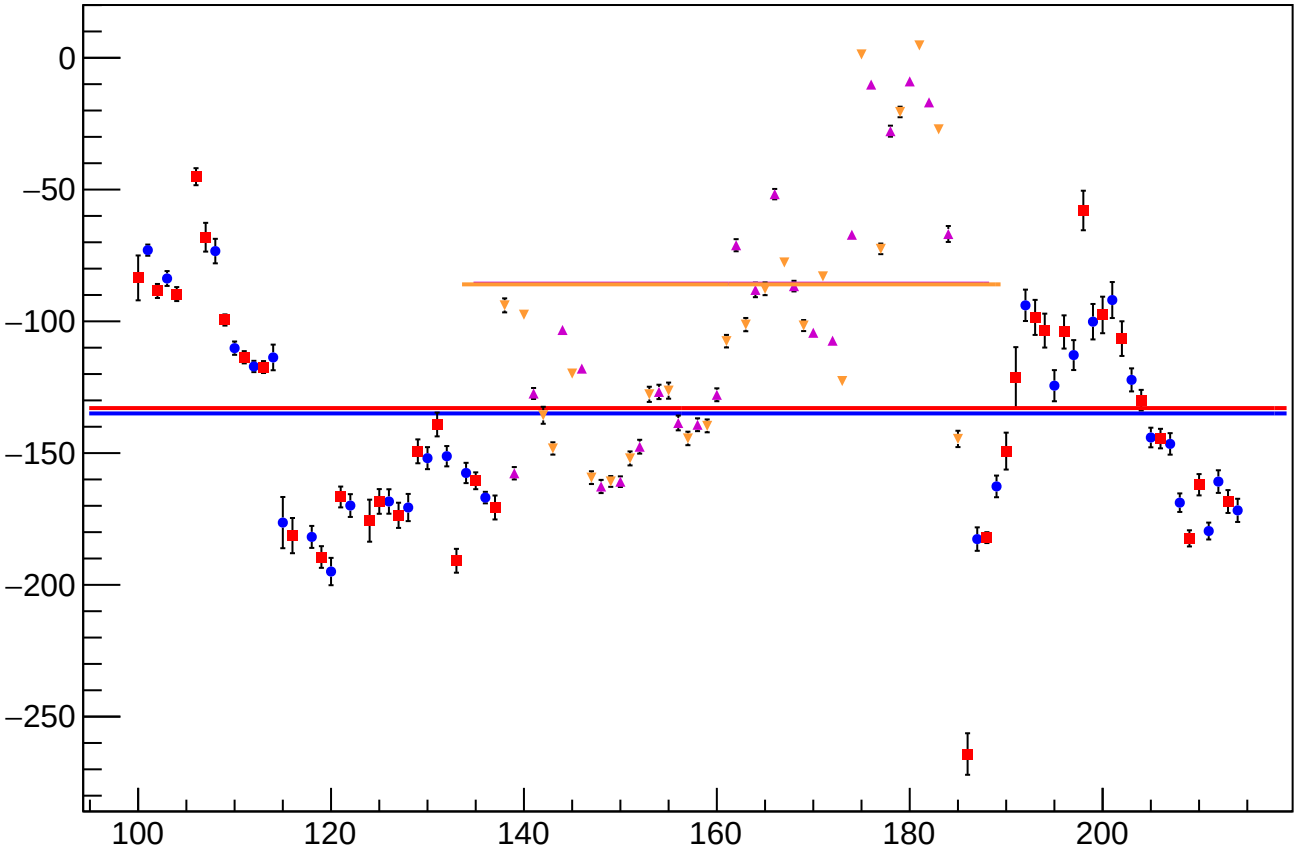
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 36.806+/-0.298 χ^2/NDF: 9622.1/54

All: 36.422+/-0.213 χ^2/NDF: 17145.3/111

- sign 36.020+/-0.305 χ^2/NDF: 7519.9/56

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -134.948+/-0.680 χ^2/NDF: 2973.4/29

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -132.918+/-0.653 χ^2/NDF: 4068.6/33

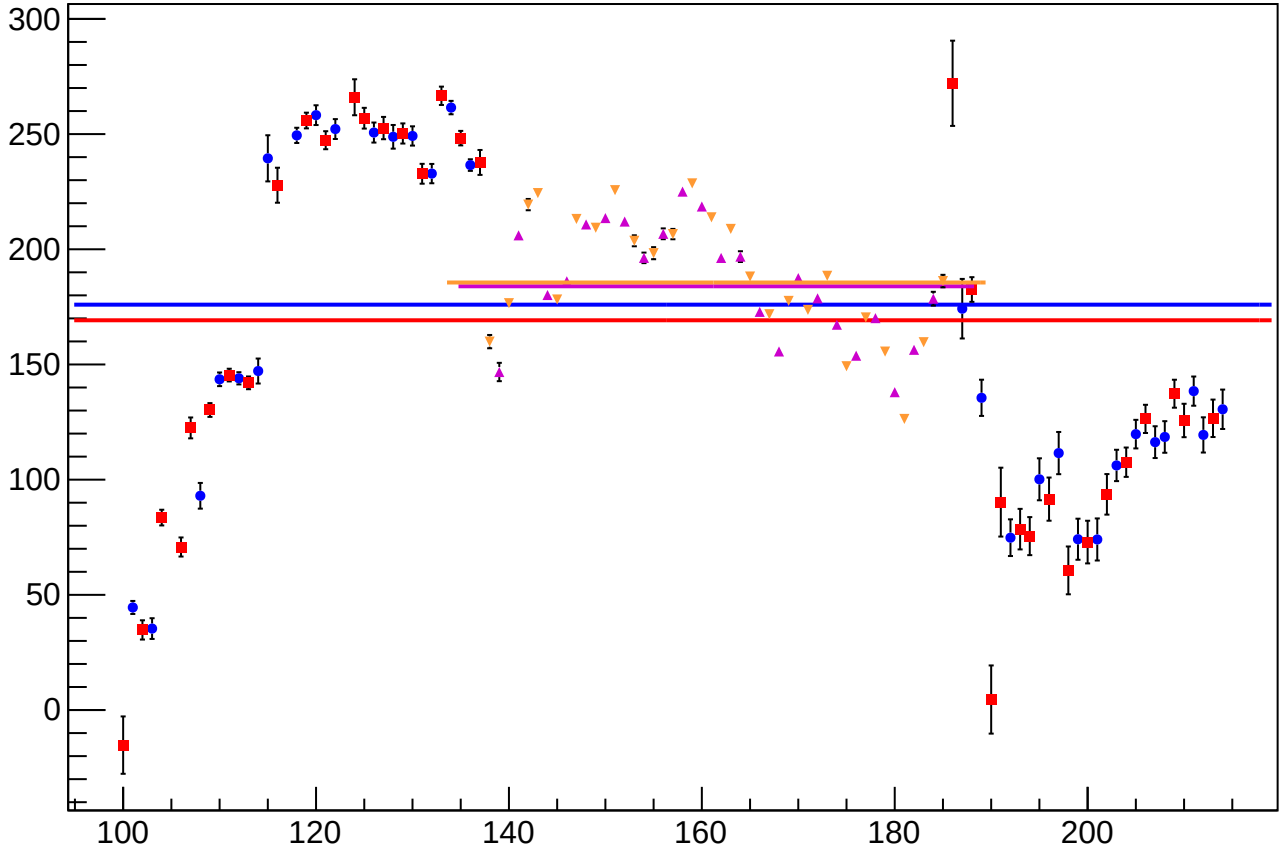
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

\+ sign -99.535+/-0.358 χ^2/NDF: 22958.1/54

All: -99.811+/-0.254 χ^2/NDF: 44418.4/111

\- sign -100.092+/-0.361 χ^2/NDF: 21459.1/56

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 175.961+/-0.840 χ^2/NDF: 8305.3/29

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 169.182+/-0.832 χ^2/NDF: 7802.0/33

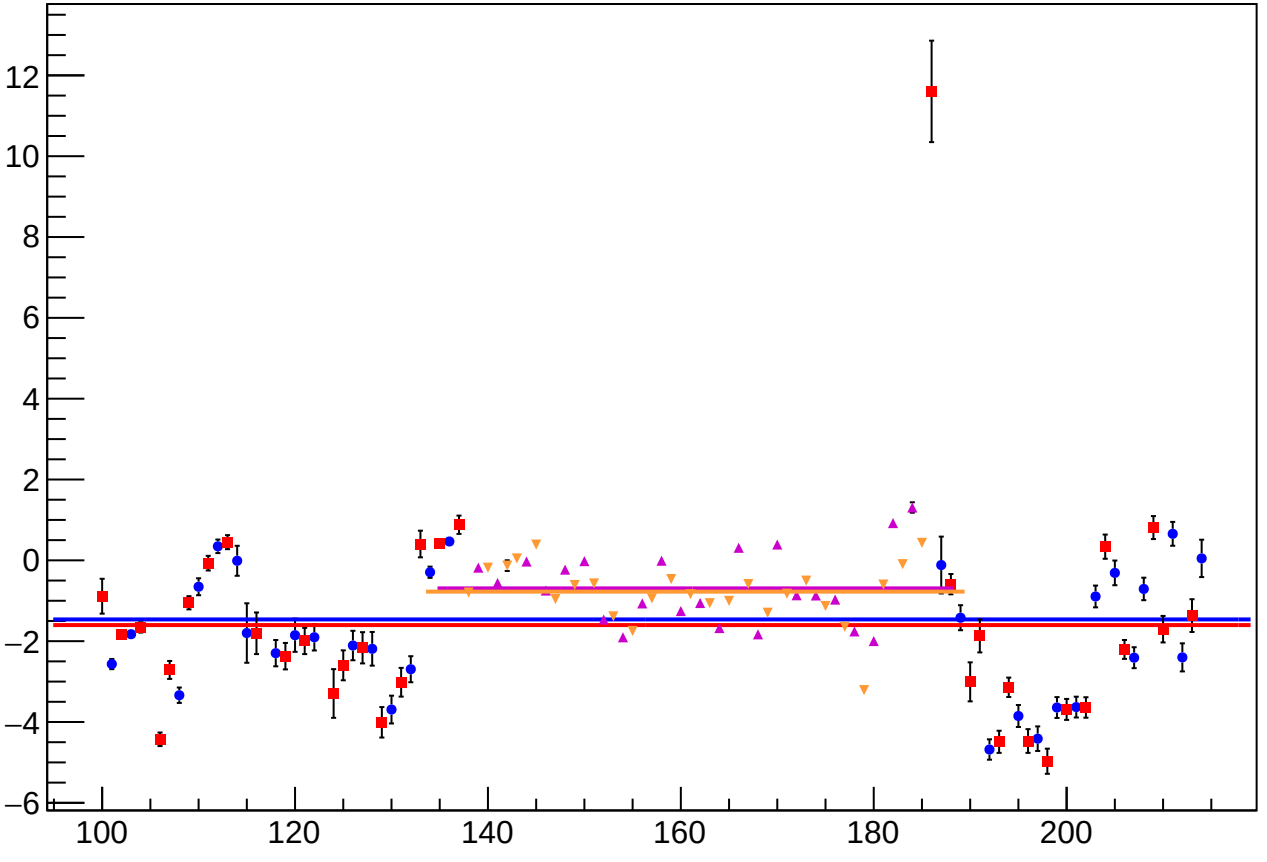
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.042+/-0.336 χ^2/NDF: 13770.3/54

All: 182.760+/-0.240 χ^2/NDF: 25736.5/111

- sign 181.418+/-0.344 χ^2/NDF: 11936.4/56

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.462+/-0.041 χ^2/NDF: 1420.7/29

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.602+/-0.040 χ^2/NDF: 1793.2/33

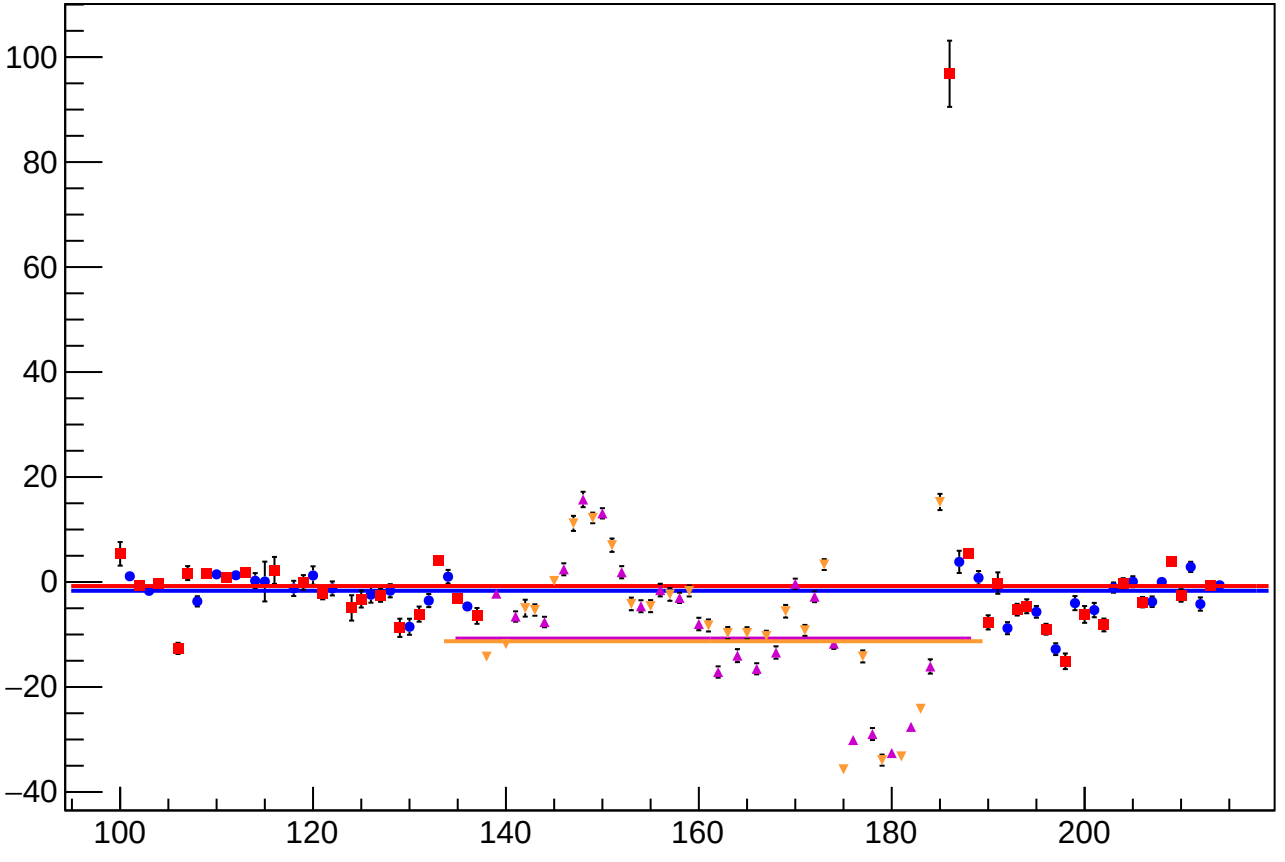
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.869+/-0.015 χ^2/NDF: 3485.6/54

All: -0.848+/-0.011 χ^2/NDF: 8277.9/111

- sign -0.827+/-0.016 χ^2/NDF: 4788.5/56

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.667+/-0.192 χ^2/NDF: 319.4/29

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.766+/-0.175 χ^2/NDF: 929.0/33

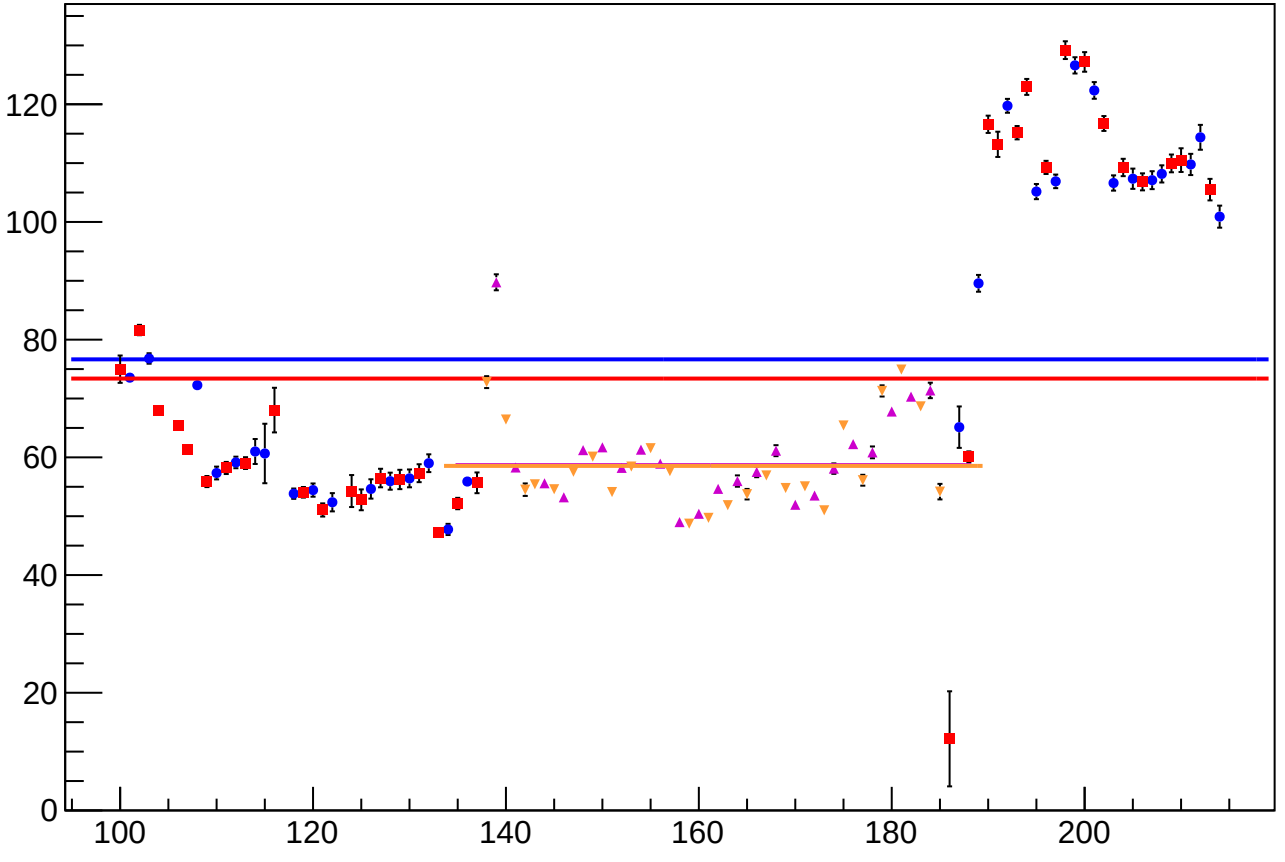
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.092+/-0.141 χ^2/NDF: 5973.8/54

All: -5.411+/-0.098 χ^2/NDF: 11963.7/111

- sign -4.786+/-0.135 χ^2/NDF: 5945.2/56

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 76.652+/-0.221 χ^2/NDF: 11799.9/29

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 73.389+/-0.204 χ^2/NDF: 15937.1/33

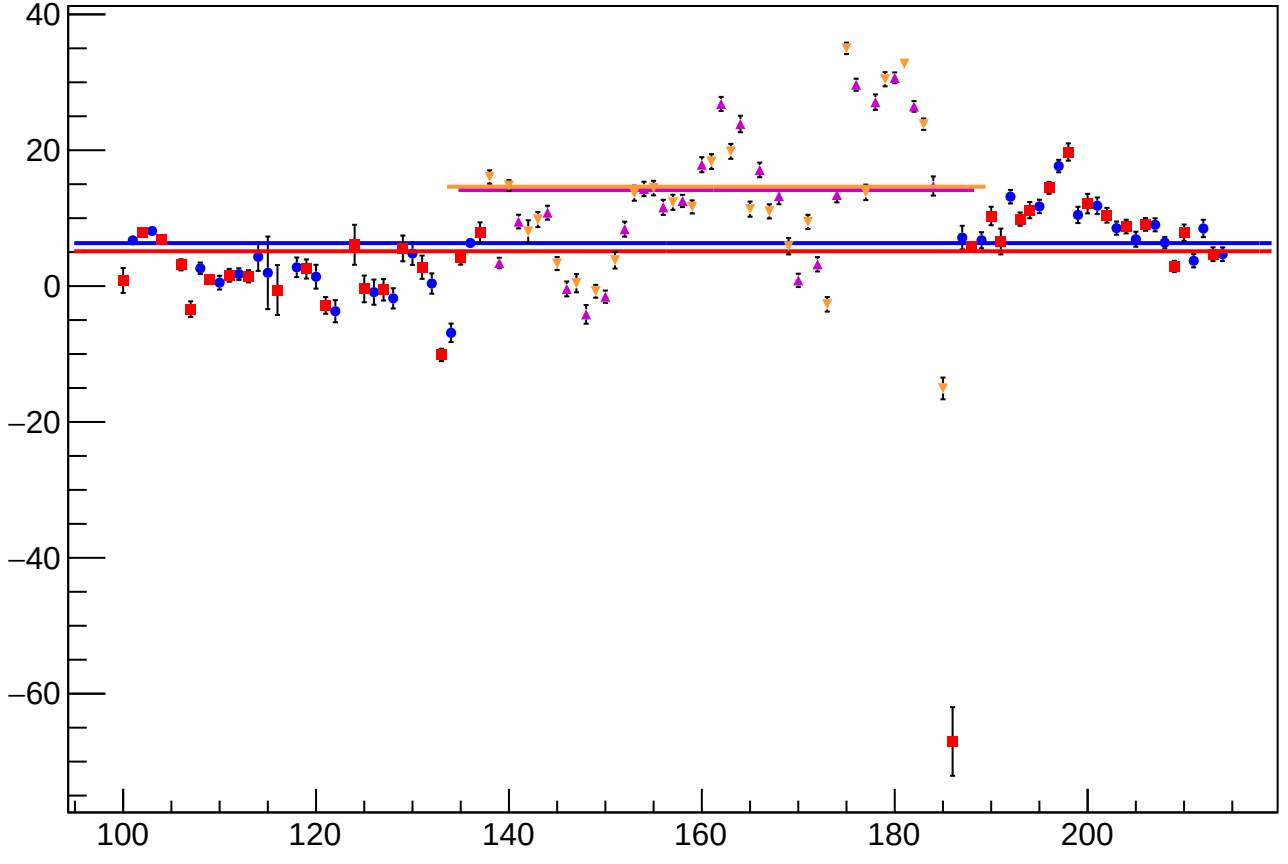
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 64.842+/-0.130 χ^2/NDF: 18087.3/54

All: 64.748+/-0.092 χ^2/NDF: 38739.9/111

- sign 64.655+/-0.130 χ^2/NDF: 20651.6/56

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.327+/-0.193 χ^2/NDF: 582.5/29

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.131+/-0.178 χ^2/NDF: 1113.0/33

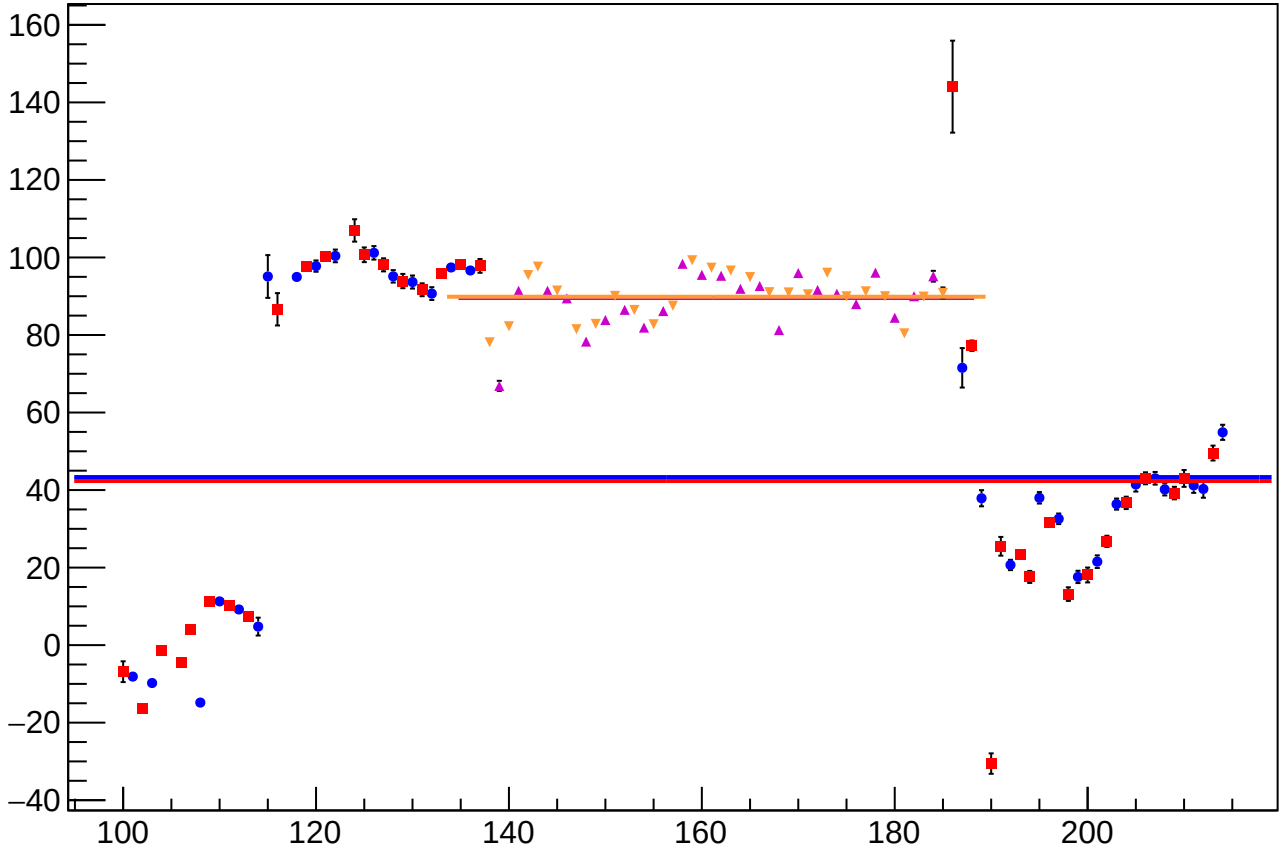
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.198+/-0.141 χ^2/NDF: 4407.2/54

All: 9.512+/-0.098 χ^2/NDF: 9171.9/111

- sign 8.873+/-0.136 χ^2/NDF: 4719.1/56

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.353+/-0.255 χ^2/NDF: 27974.2/29

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.339+/-0.238 χ^2/NDF: 31755.2/33

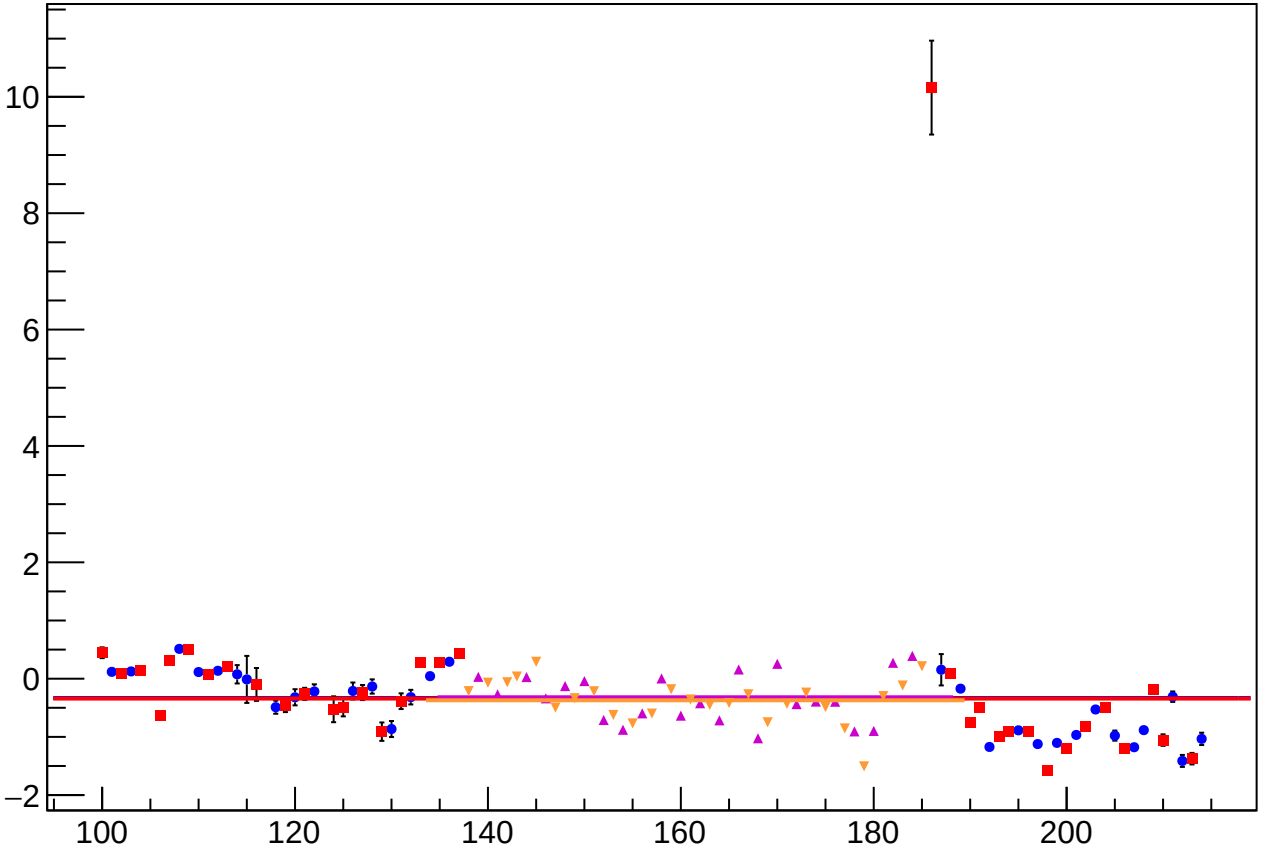
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 74.249+/-0.148 χ^2/NDF: 51223.9/54

All: 72.866+/-0.104 χ^2/NDF: 108483.1/111

- sign 71.486+/-0.147 χ^2/NDF: 57083.7/56

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.332+/-0.010 χ^2/NDF: 3412.6/29

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.341+/-0.010 χ^2/NDF: 3852.5/33

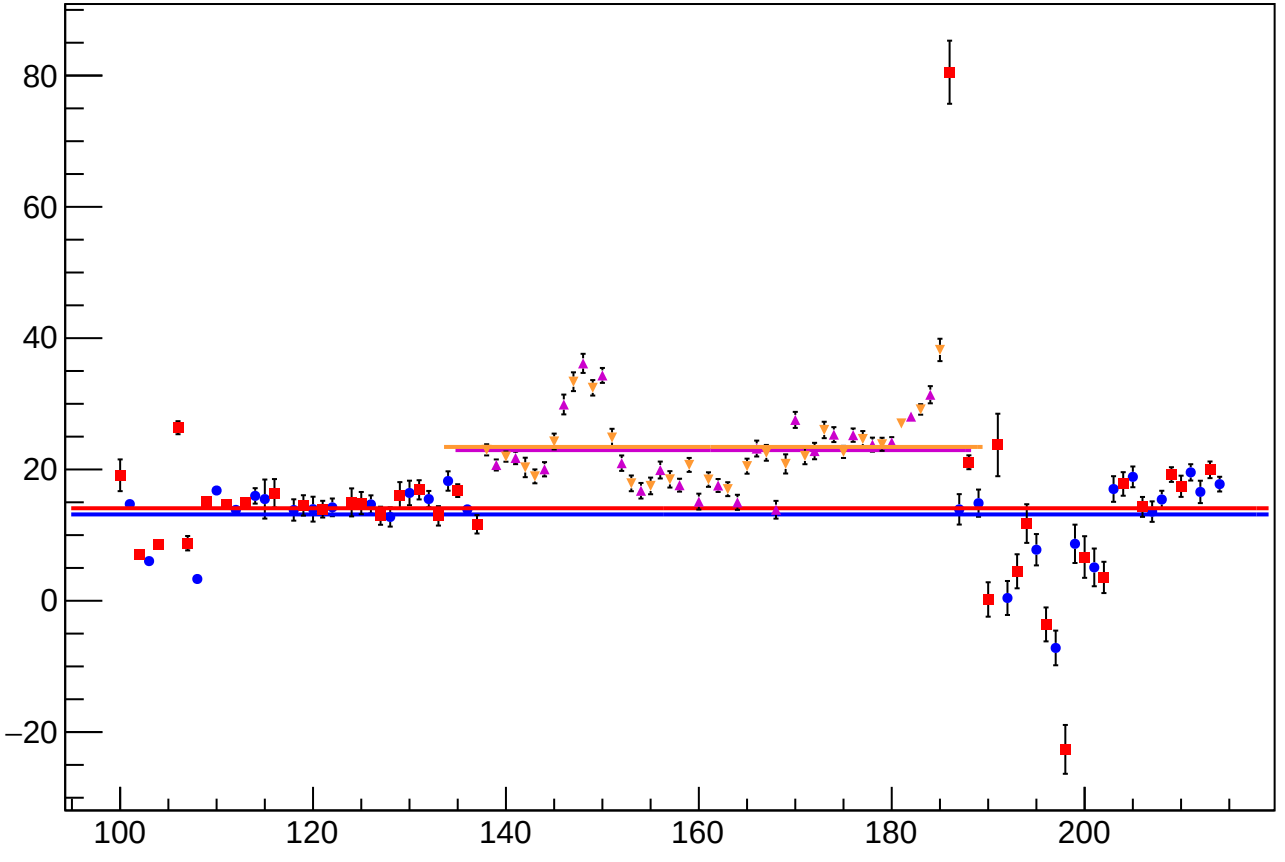
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.356+/-0.006 χ^2/NDF: 5190.5/54

All: -0.342+/-0.004 χ^2/NDF: 11497.1/111

- sign -0.328+/-0.006 χ^2/NDF: 6296.5/56

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.151+/-0.195 χ^2/NDF: 557.5/29

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.092+/-0.188 χ^2/NDF: 908.4/33

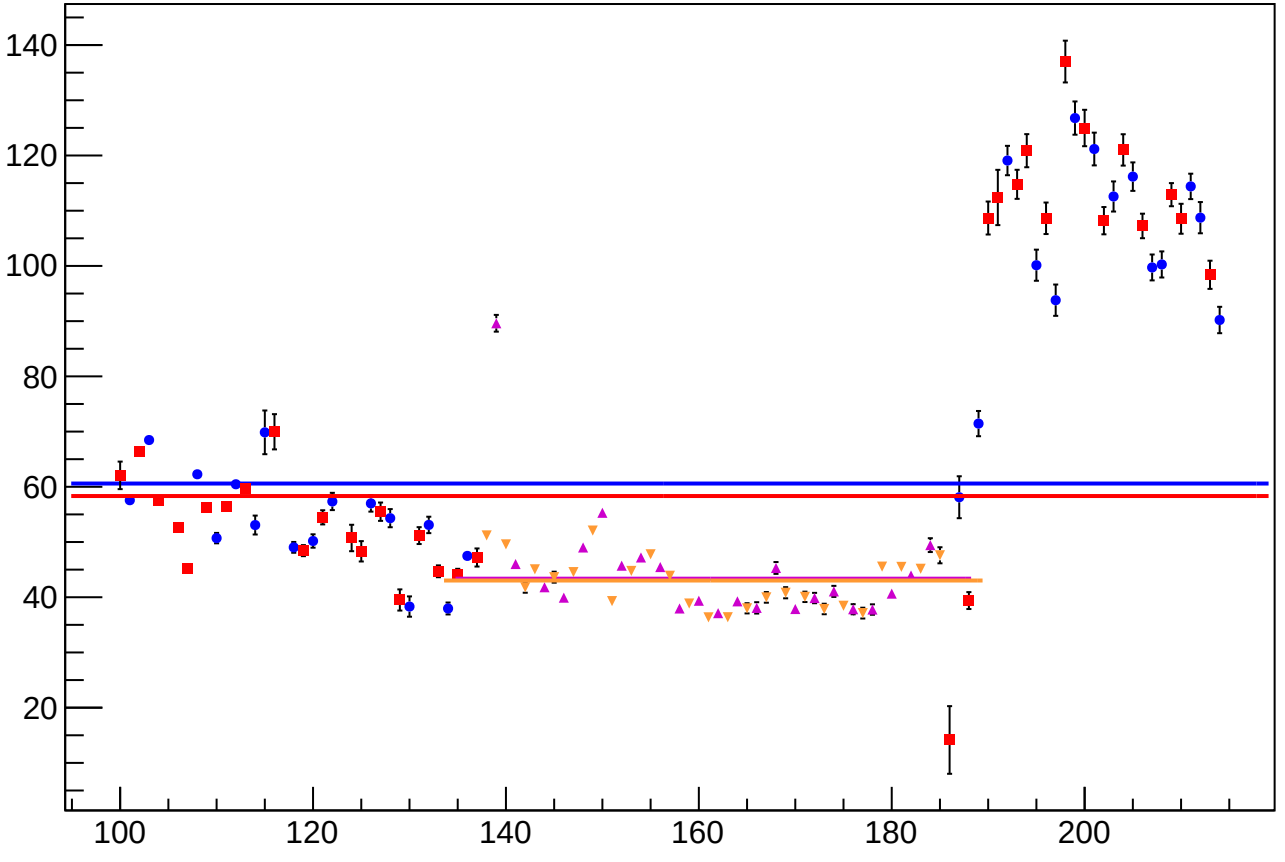
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.763+/-0.145 χ^2/NDF: 2236.1/54

All: 17.739+/-0.102 χ^2/NDF: 4622.5/111

- sign 17.715+/-0.144 χ^2/NDF: 2386.3/56

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 60.592+/-0.212 χ^2/NDF: 5557.8/29

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 58.328+/-0.213 χ^2/NDF: 6652.6/33

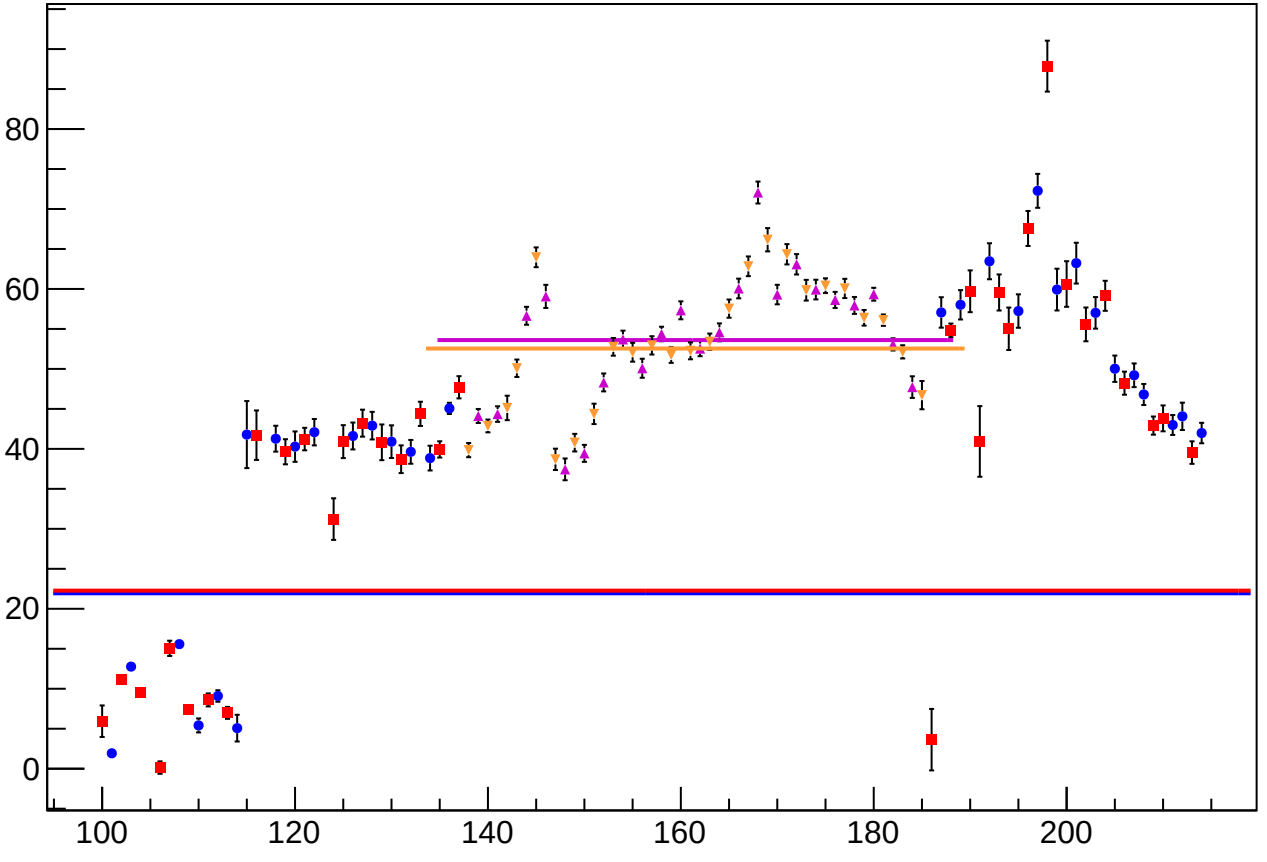
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.784+/-0.131 χ^2/NDF: 10577.6/54

All: 49.632+/-0.095 χ^2/NDF: 21831.9/111

- sign 49.468+/-0.136 χ^2/NDF: 11251.5/56

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 21.937+/-0.194 χ^2/NDF: 10451.5/29

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 22.271+/-0.197 χ^2/NDF: 9666.1/33

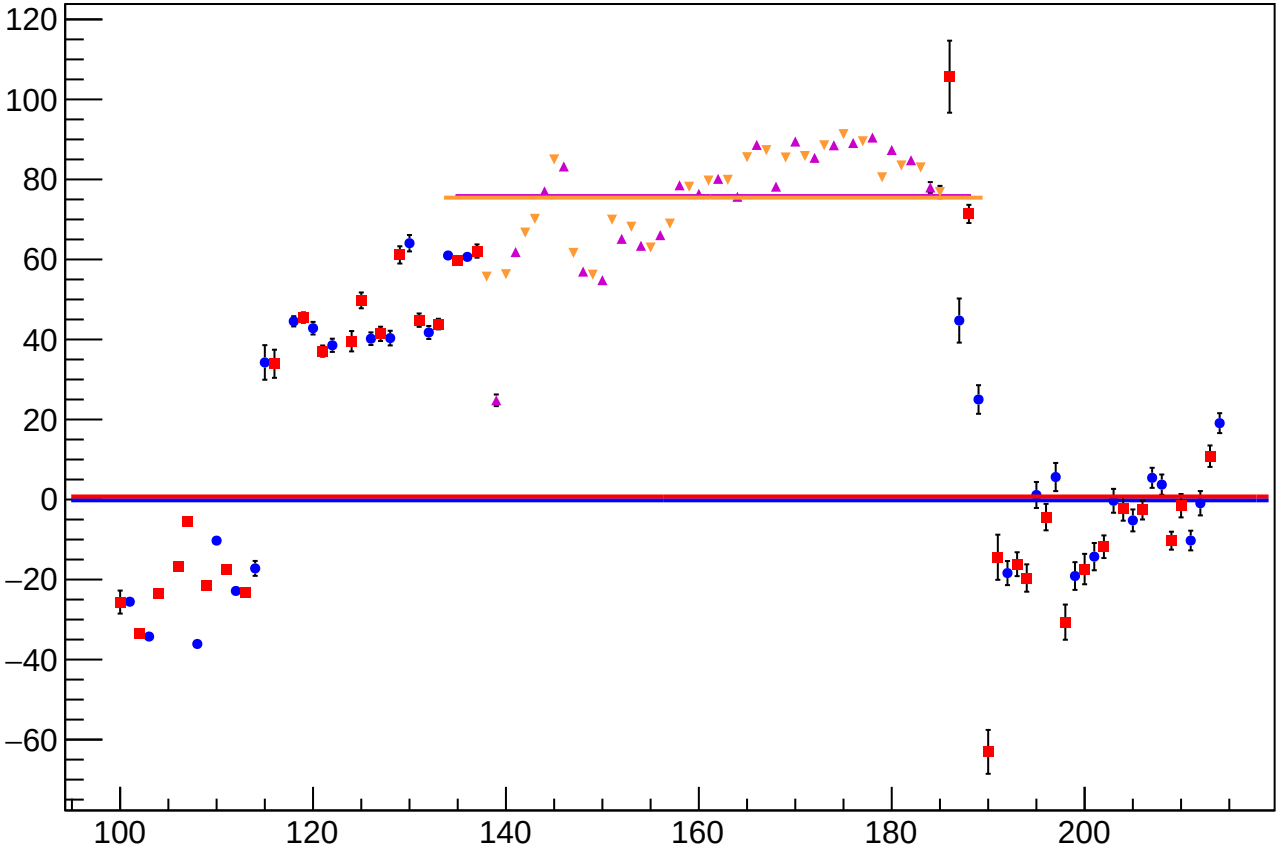
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.693+/-0.144 χ^2/NDF: 22844.9/54

All: 35.832+/-0.103 χ^2/NDF: 44645.2/111

- sign 35.979+/-0.147 χ^2/NDF: 21798.3/56

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.197+/-0.248 χ^2/NDF: 21321.0/29

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.761+/-0.250 χ^2/NDF: 17479.6/33

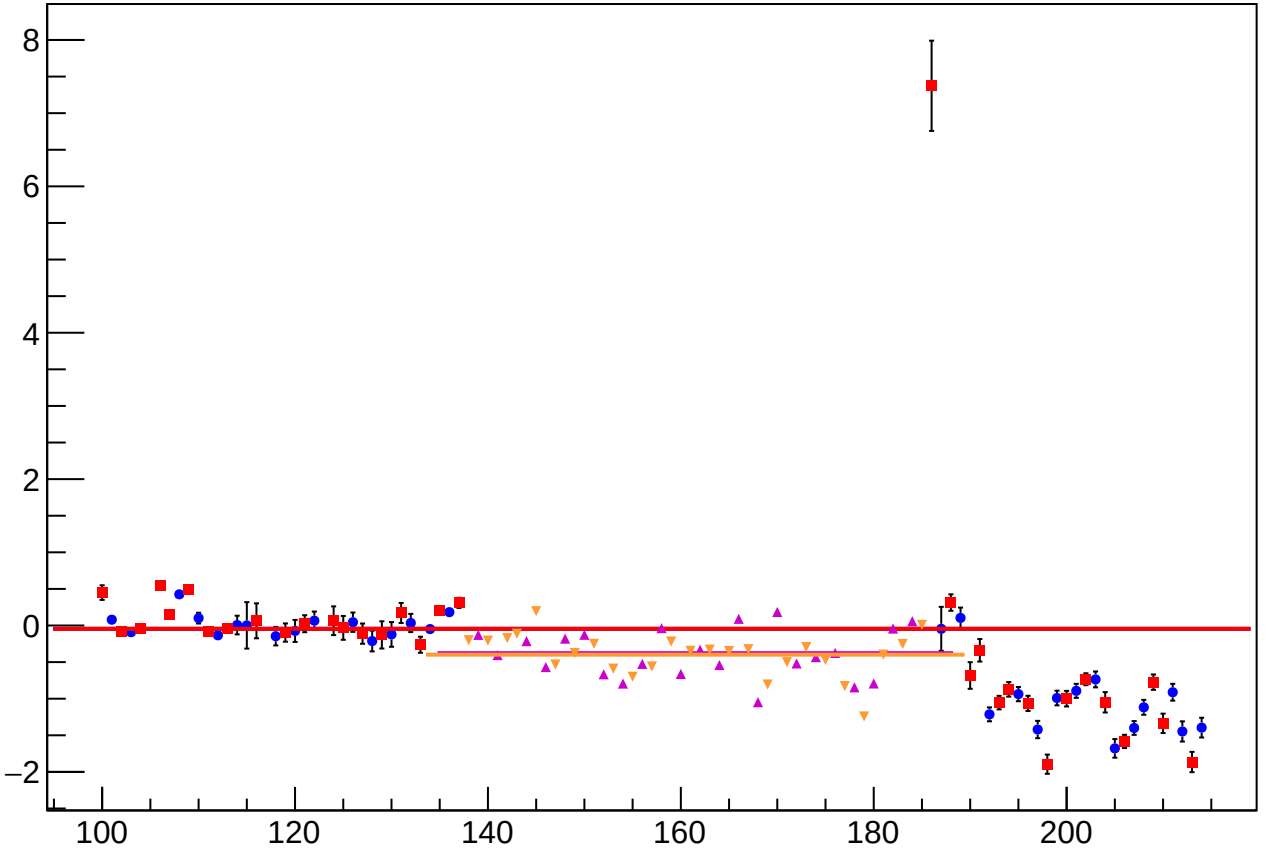
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.846+/-0.150 χ^2/NDF: 83650.6/54

All: 47.488+/-0.108 χ^2/NDF: 160862.3/111

- sign 47.106+/-0.155 χ^2/NDF: 77199.9/56

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.045+/-0.011 χ^2/NDF: 1780.6/29

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.045+/-0.011 χ^2/NDF: 2002.2/33

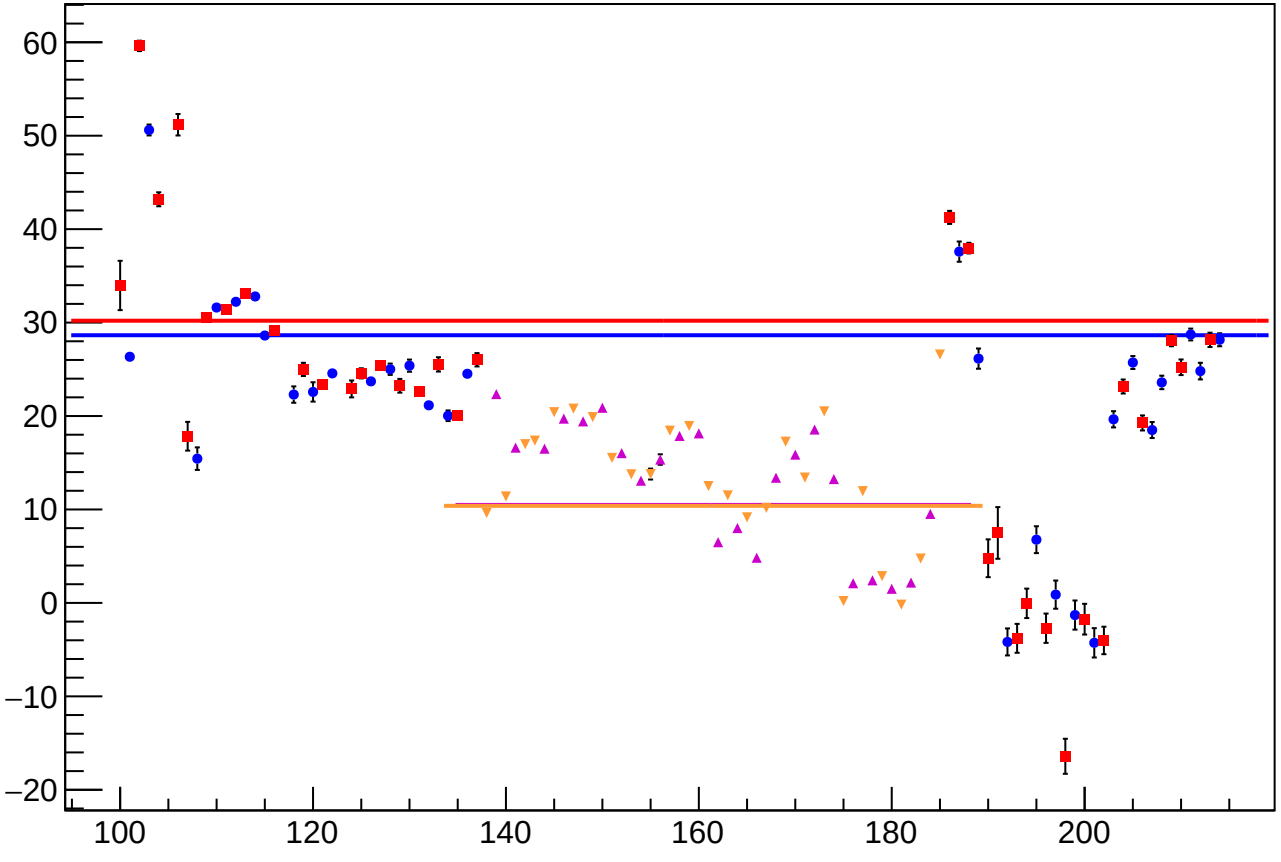
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.260+/-0.007 χ^2/NDF: 3499.7/54

All: -0.254+/-0.005 χ^2/NDF: 7445.7/111

- sign -0.246+/-0.007 χ^2/NDF: 3943.7/56

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.647+/-0.086 χ^2/NDF: 5767.9/29

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.200+/-0.076 χ^2/NDF: 8947.5/33

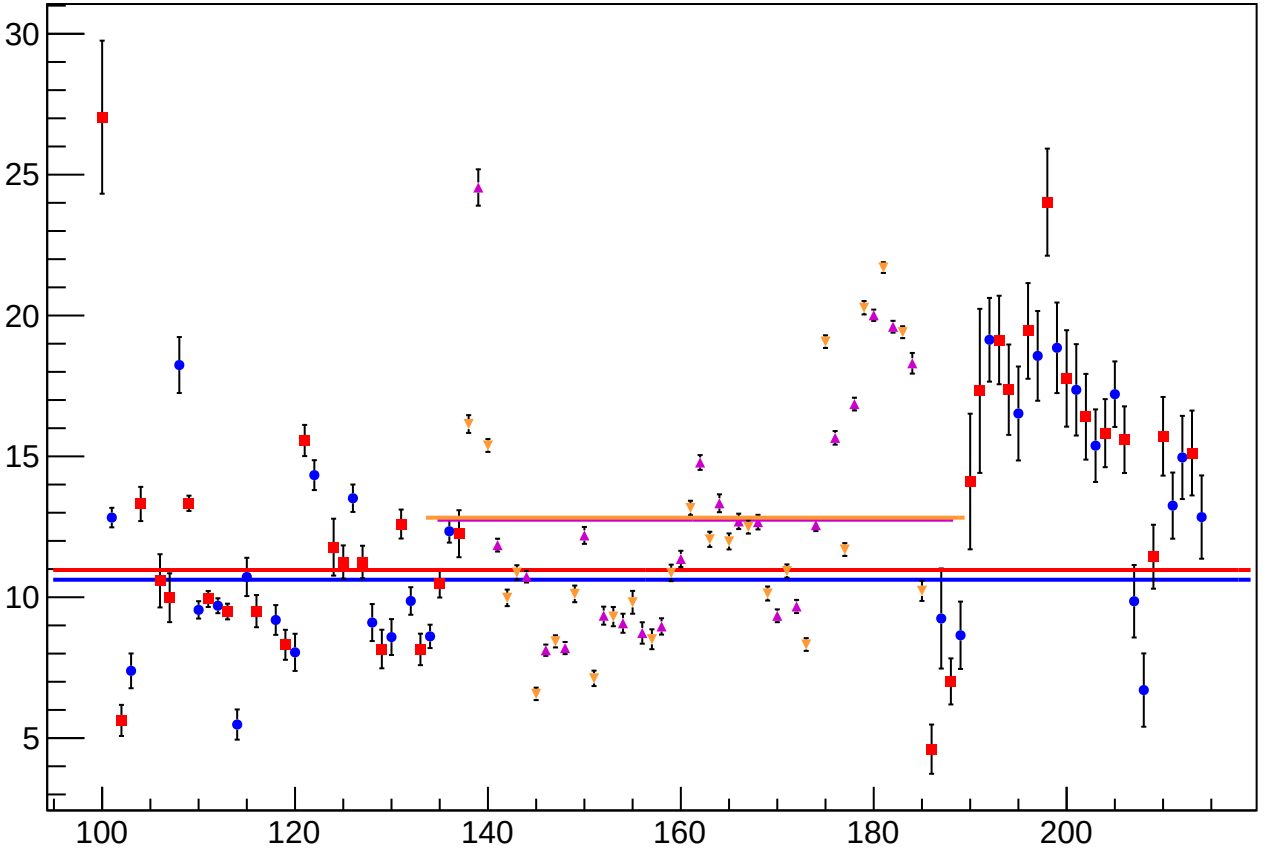
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

\+ sign 16.898+/-0.051 χ^2/NDF: 48453.6/54

All: 18.008+/-0.036 χ^2/NDF: 107712.4/111

\- sign 19.065+/-0.050 χ^2/NDF: 58349.9/56

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.622+/-0.109 χ^2/NDF: 597.6/29

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.967+/-0.107 χ^2/NDF: 696.1/33

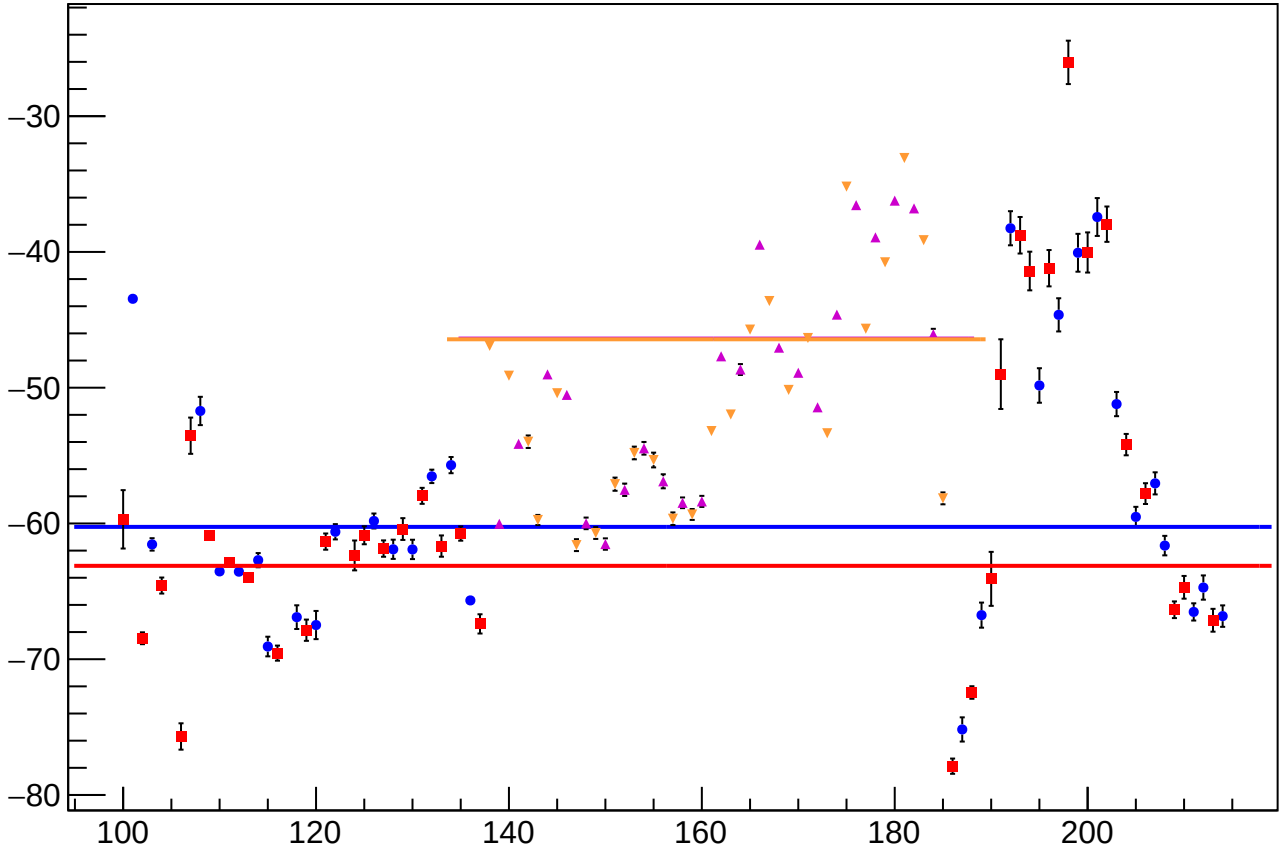
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.428+/-0.046 χ^2/NDF: 8949.1/54

All: 12.416+/-0.033 χ^2/NDF: 15370.7/111

- sign 12.403+/-0.047 χ^2/NDF: 6421.4/56

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.253+/-0.102 χ^2/NDF: 5256.9/29

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.122+/-0.097 χ^2/NDF: 4187.7/33

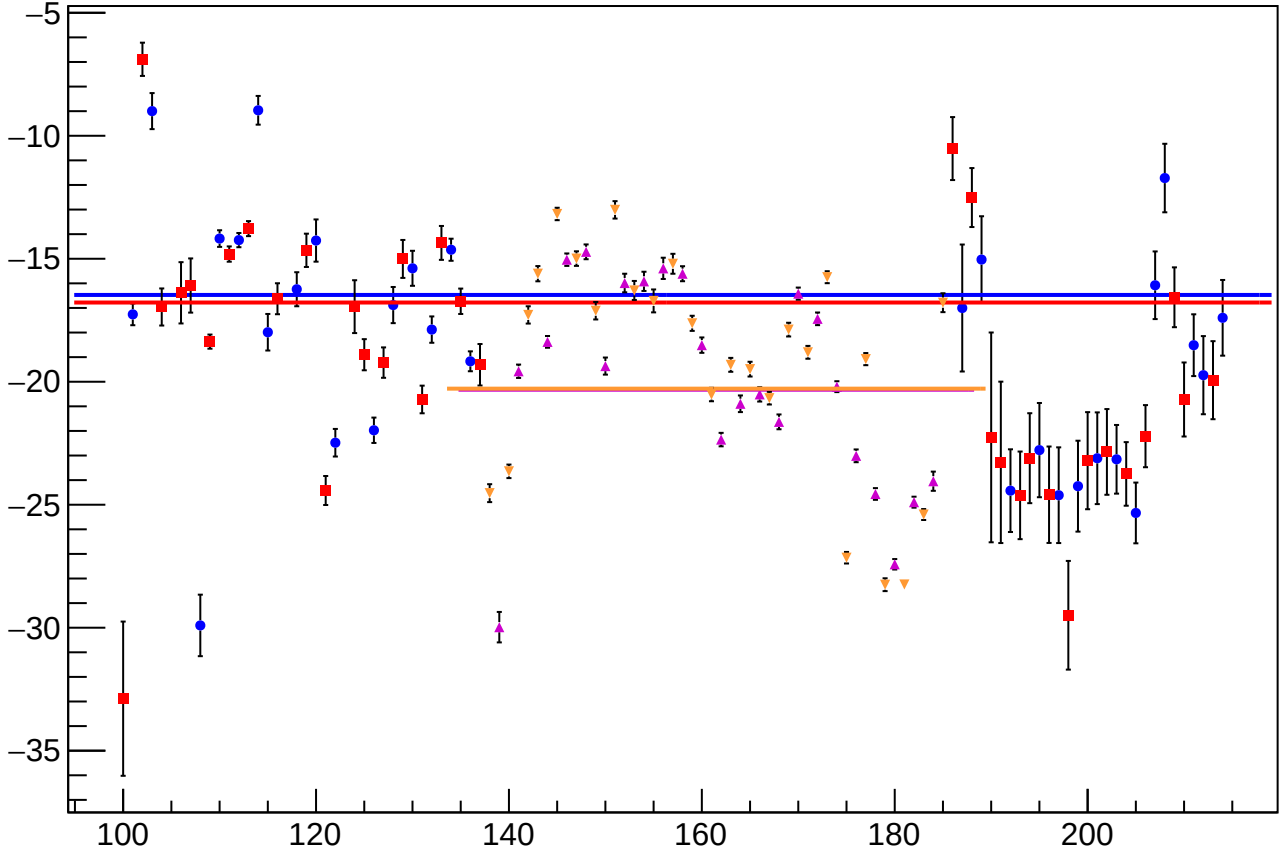
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

\+ sign -50.359+/-0.055 χ^2/NDF: 36489.5/54

All: -51.070+/-0.039 χ^2/NDF: 76399.1/111

\- sign -51.794+/-0.055 χ^2/NDF: 39565.9/56

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.471+/-0.122 χ^2/NDF: 978.8/29

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.779+/-0.119 χ^2/NDF: 893.0/33

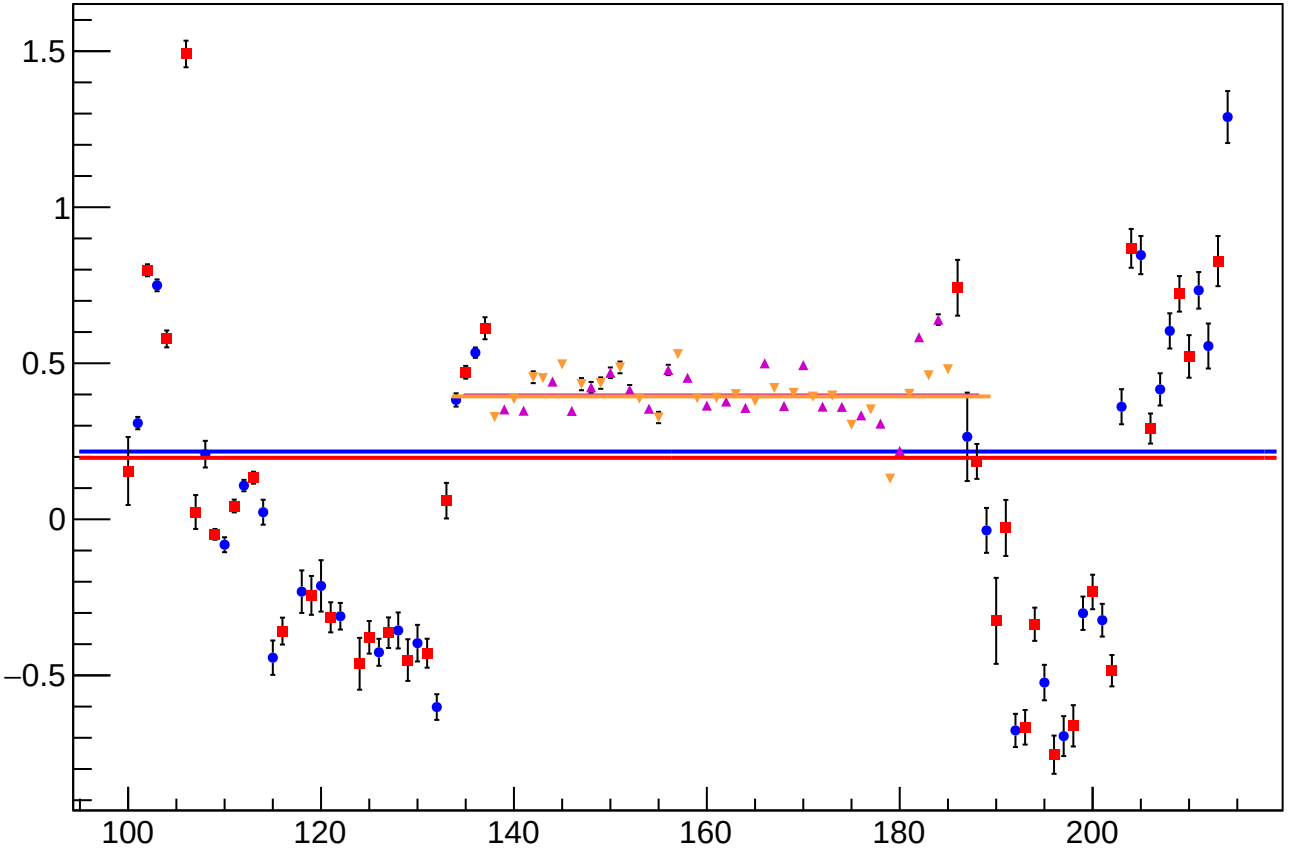
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.595+/-0.052 χ^2/NDF: 8801.0/54

All: -19.610+/-0.037 χ^2/NDF: 14675.7/111

- sign -19.626+/-0.053 χ^2/NDF: 5874.5/56

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.217+/-0.006 χ^2/NDF: 3947.7/29

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.197+/-0.006 χ^2/NDF: 4971.2/33

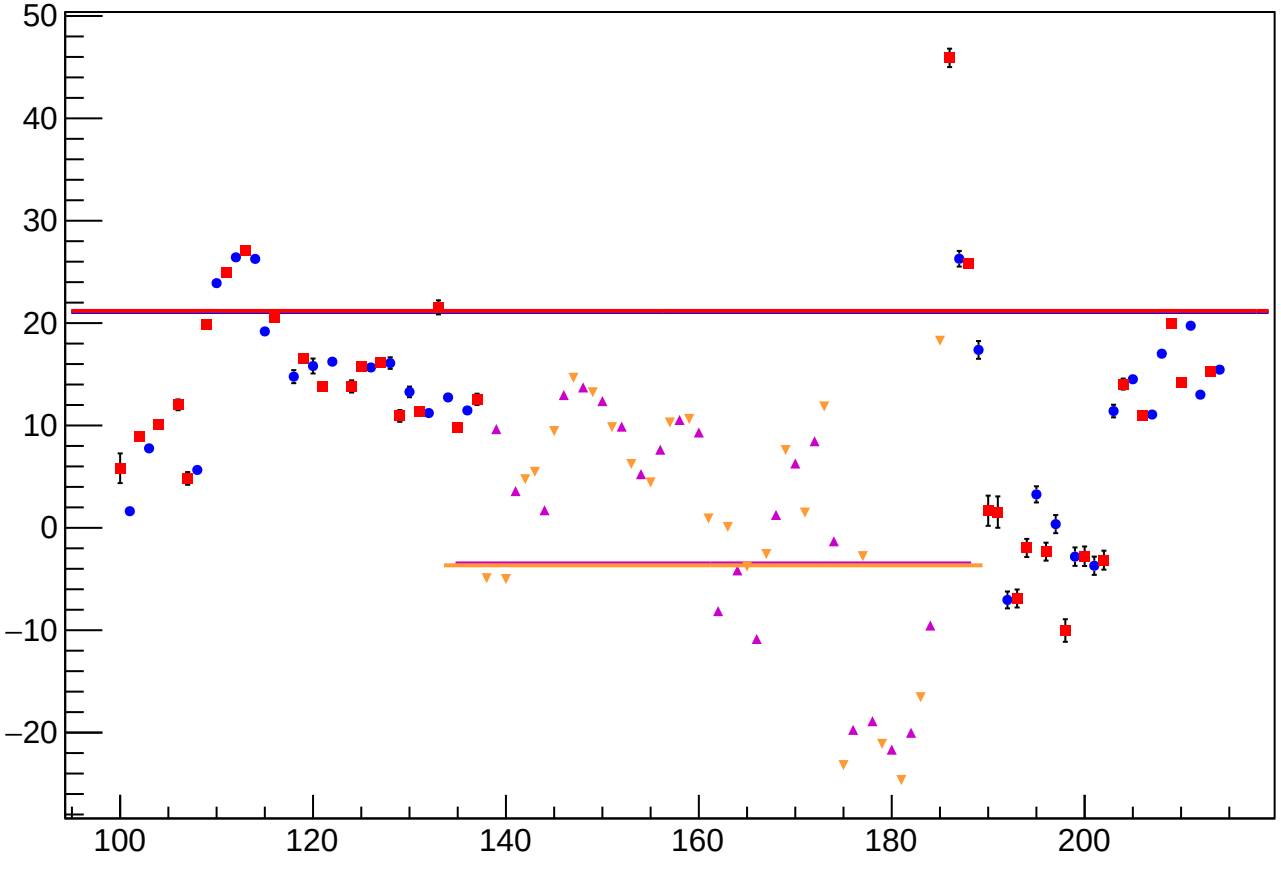
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.370+/-0.002 χ^2/NDF: 5536.6/54

All: 0.369+/-0.002 χ^2/NDF: 12617.6/111

- sign 0.368+/-0.002 χ^2/NDF: 7080.7/56

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.088+/-0.052 χ^2/NDF: 18328.5/29

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.188+/-0.044 χ^2/NDF: 17989.5/33

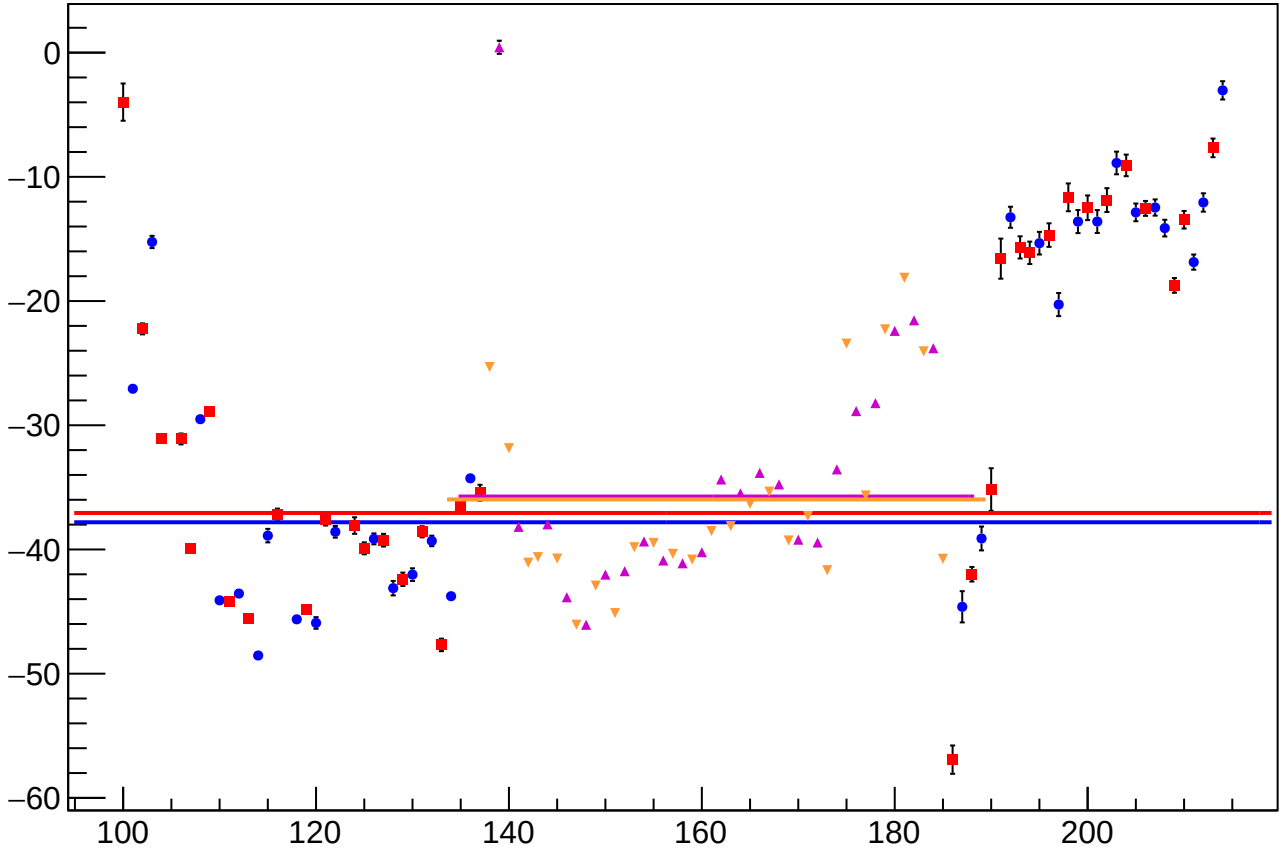
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.227+/-0.038 χ^2/NDF: 182299.8/54

All: 10.735+/-0.026 χ^2/NDF: 364363.2/111

- sign 12.030+/-0.035 χ^2/NDF: 179099.5/56

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -37.810+/-0.072 χ^2/NDF: 22015.2/29

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.061+/-0.067 χ^2/NDF: 21174.7/33

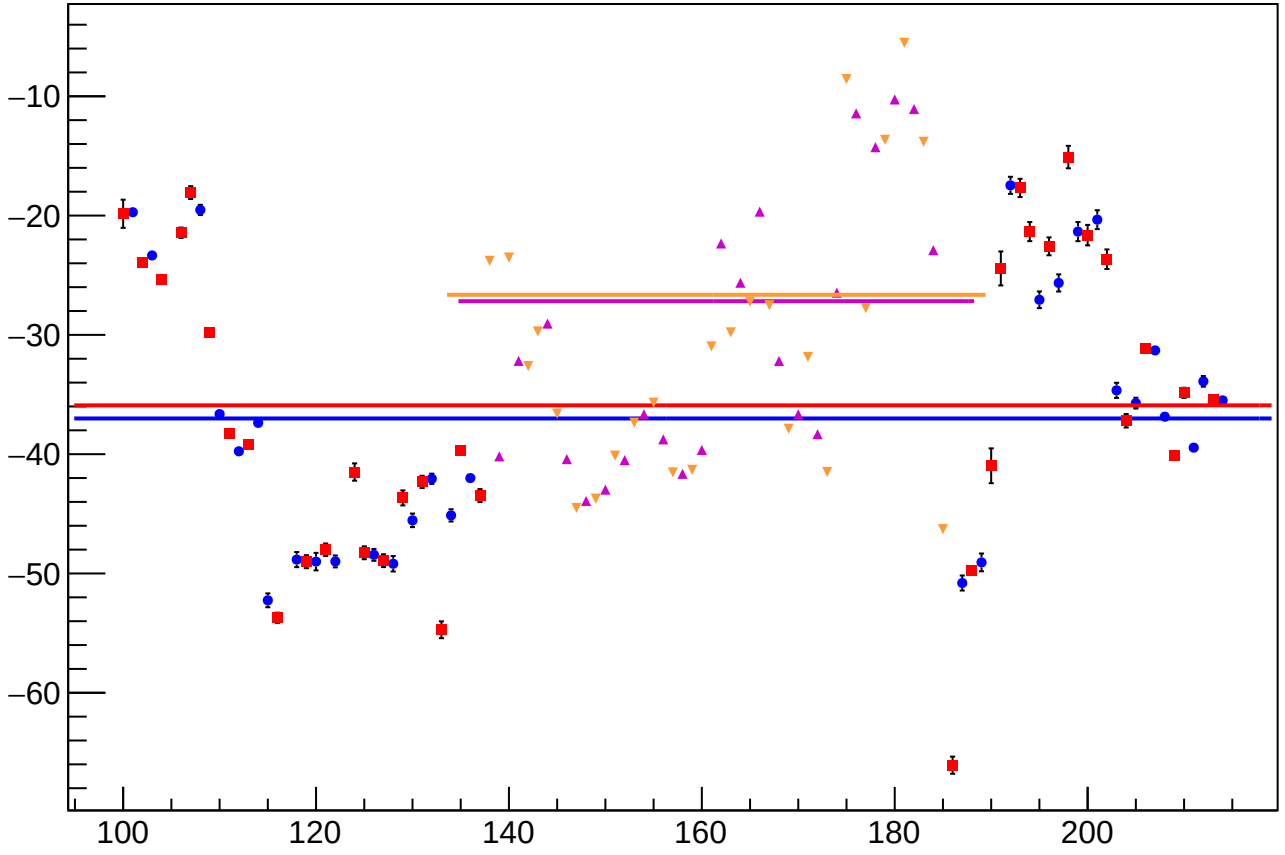
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.446+/-0.037 χ^2/NDF: 56107.8/54

All: -36.299+/-0.026 χ^2/NDF: 104737.3/111

- sign -36.144+/-0.037 χ^2/NDF: 48596.1/56

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.007+/-0.065 χ^2/NDF: 14027.0/29

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.908+/-0.058 χ^2/NDF: 19394.7/33

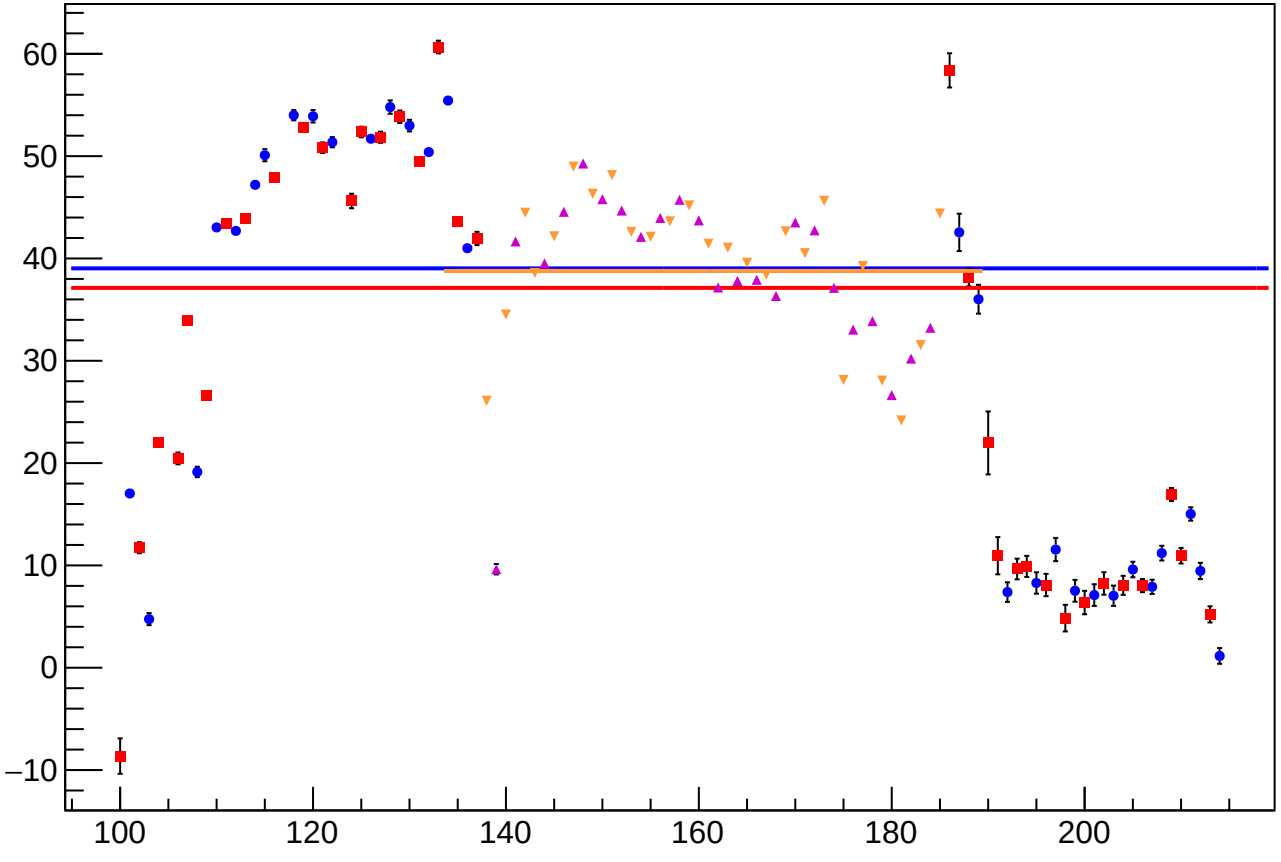
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

\+ sign -30.943+/-0.042 χ^2/NDF: 79056.7/54

All: -31.205+/-0.029 χ^2/NDF: 150927.8/111

\- sign -31.455+/-0.041 χ^2/NDF: 71794.5/56

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 39.032+/-0.080 χ^2/NDF: 32184.9/29

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.125+/-0.075 χ^2/NDF: 30342.0/33

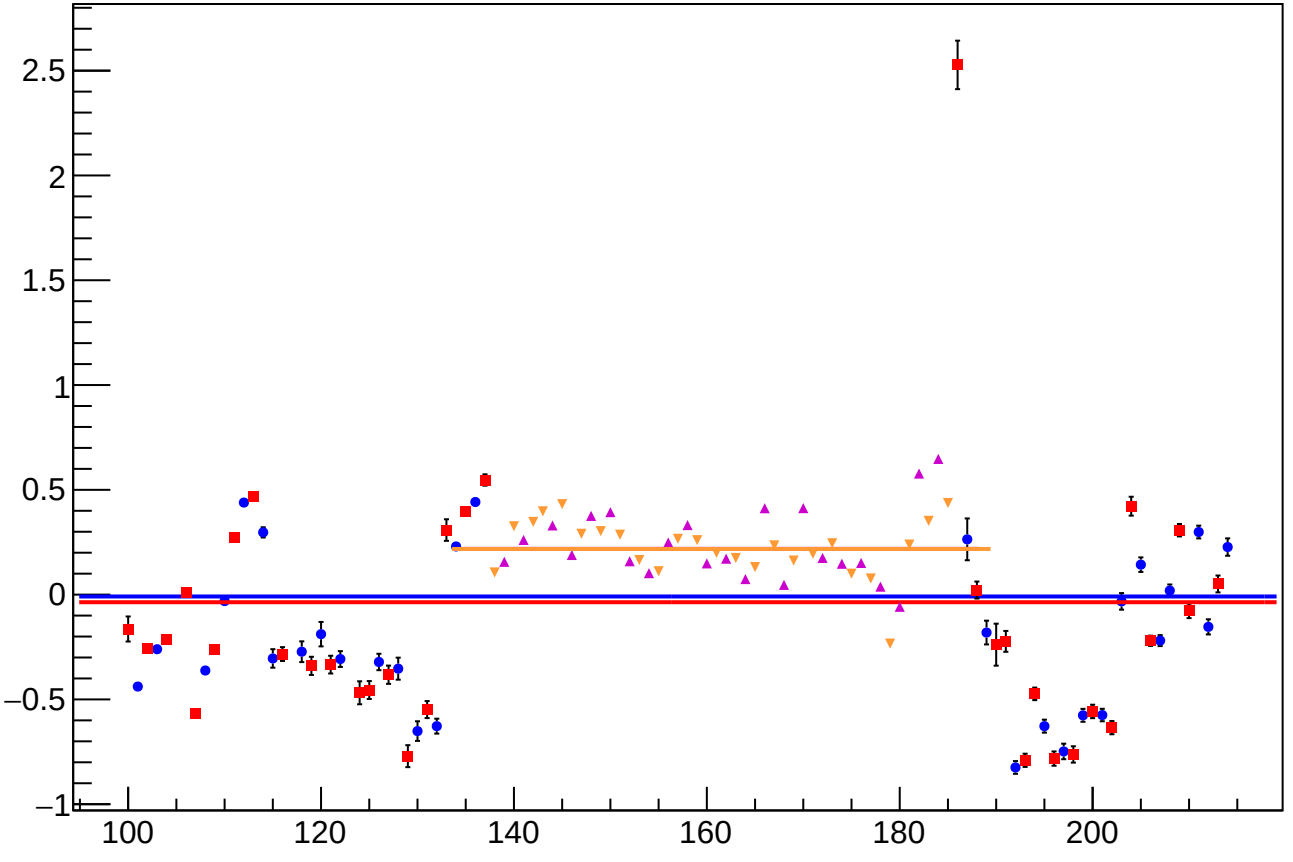
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 38.844+/-0.041 χ^2/NDF: 53262.9/54

All: 38.562+/-0.029 χ^2/NDF: 100285.9/111

- sign 38.271+/-0.042 χ^2/NDF: 46926.8/56

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.009+/-0.004 χ^2/NDF: 8199.6/29

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.036+/-0.004 χ^2/NDF: 9629.9/33

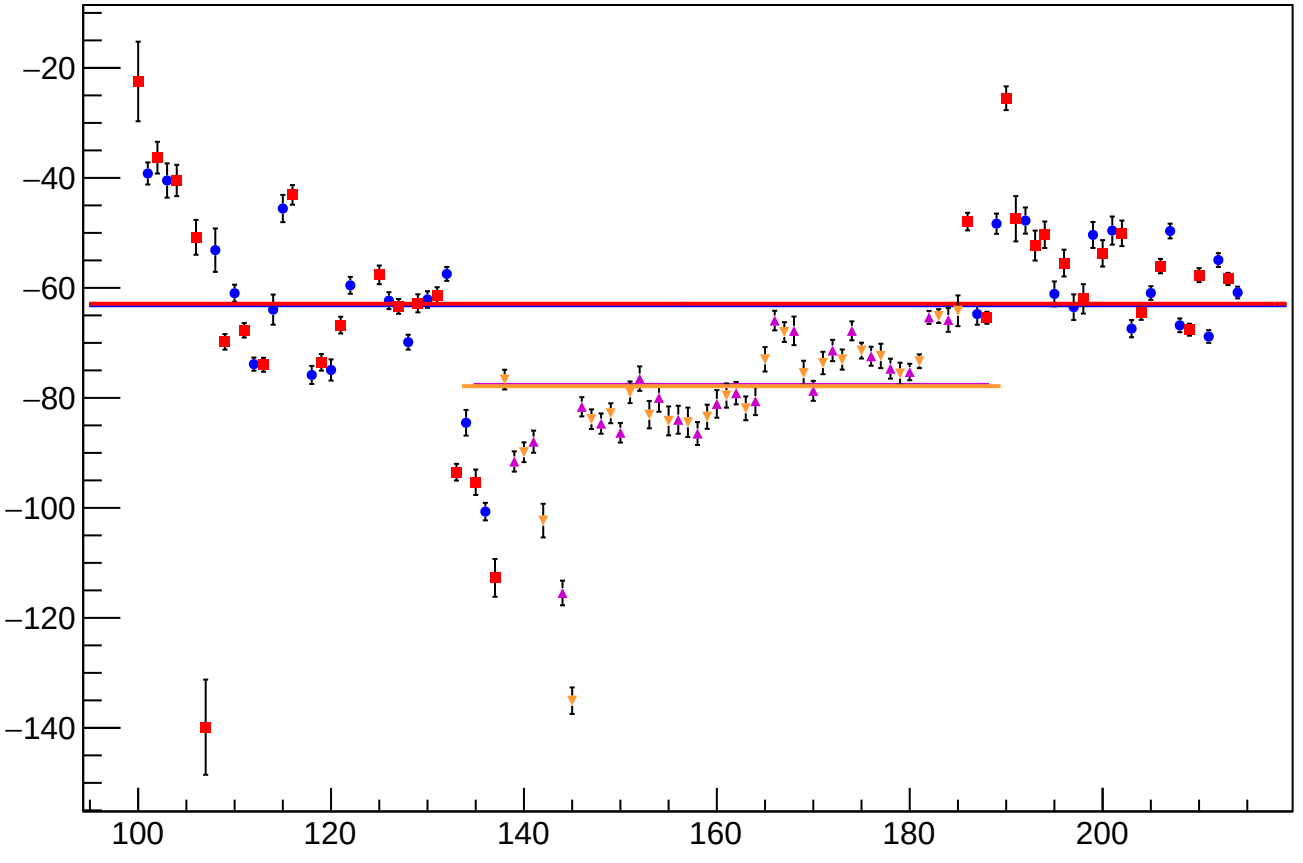
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.172+/-0.002 χ^2/NDF: 14518.4/54

All: 0.165+/-0.001 χ^2/NDF: 32618.8/111

- sign 0.157+/-0.002 χ^2/NDF: 18070.1/56

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -63.154+/-0.295 χ^2/NDF: 1477.3/29

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.883+/-0.294 χ^2/NDF: 1974.6/32

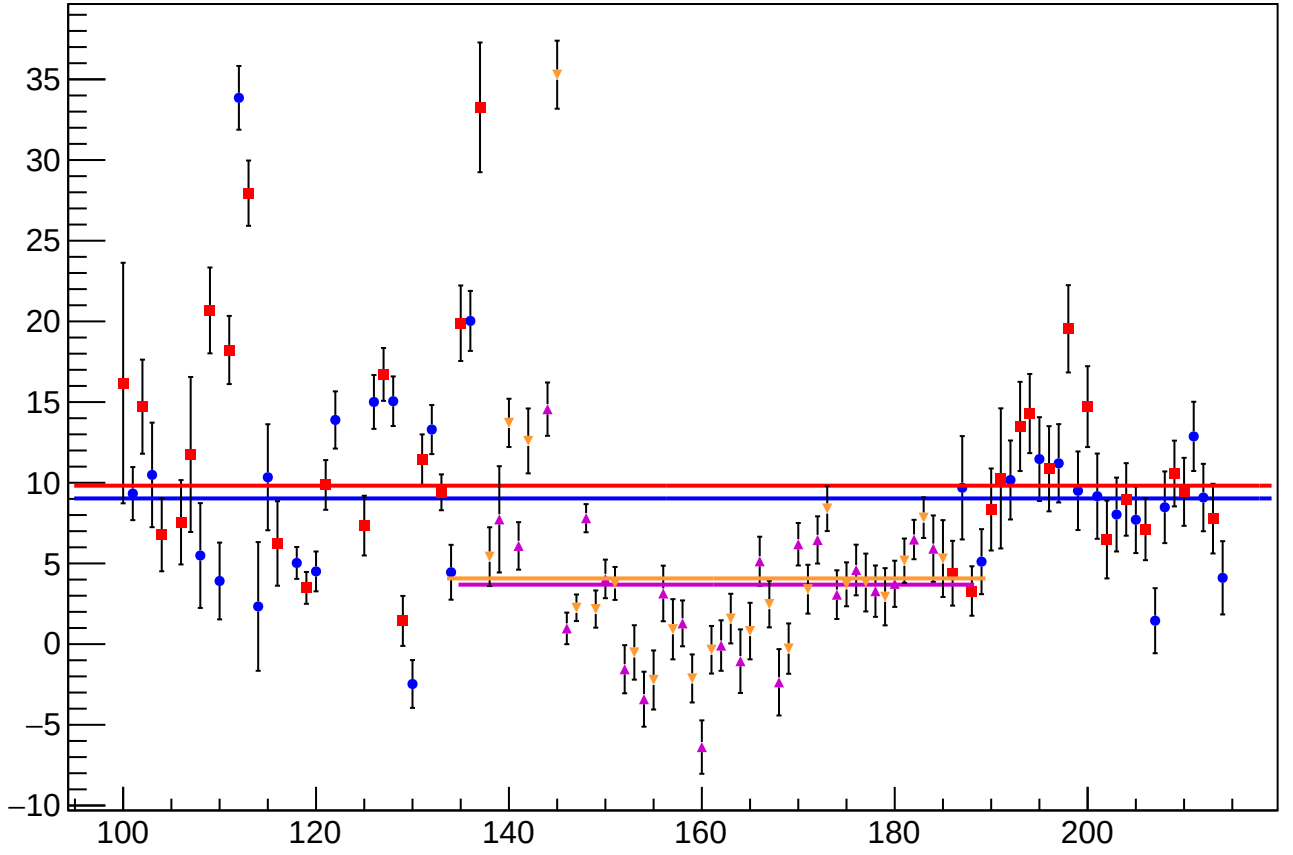
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -68.449+/-0.236 χ^2/NDF: 3301.9/53

All: -68.289+/-0.167 χ^2/NDF: 6864.1/109

- sign -68.130+/-0.236 χ^2/NDF: 3561.3/55

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.029+/-0.351 χ^2/NDF: 371.5/29

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.820+/-0.349 χ^2/NDF: 317.6/32

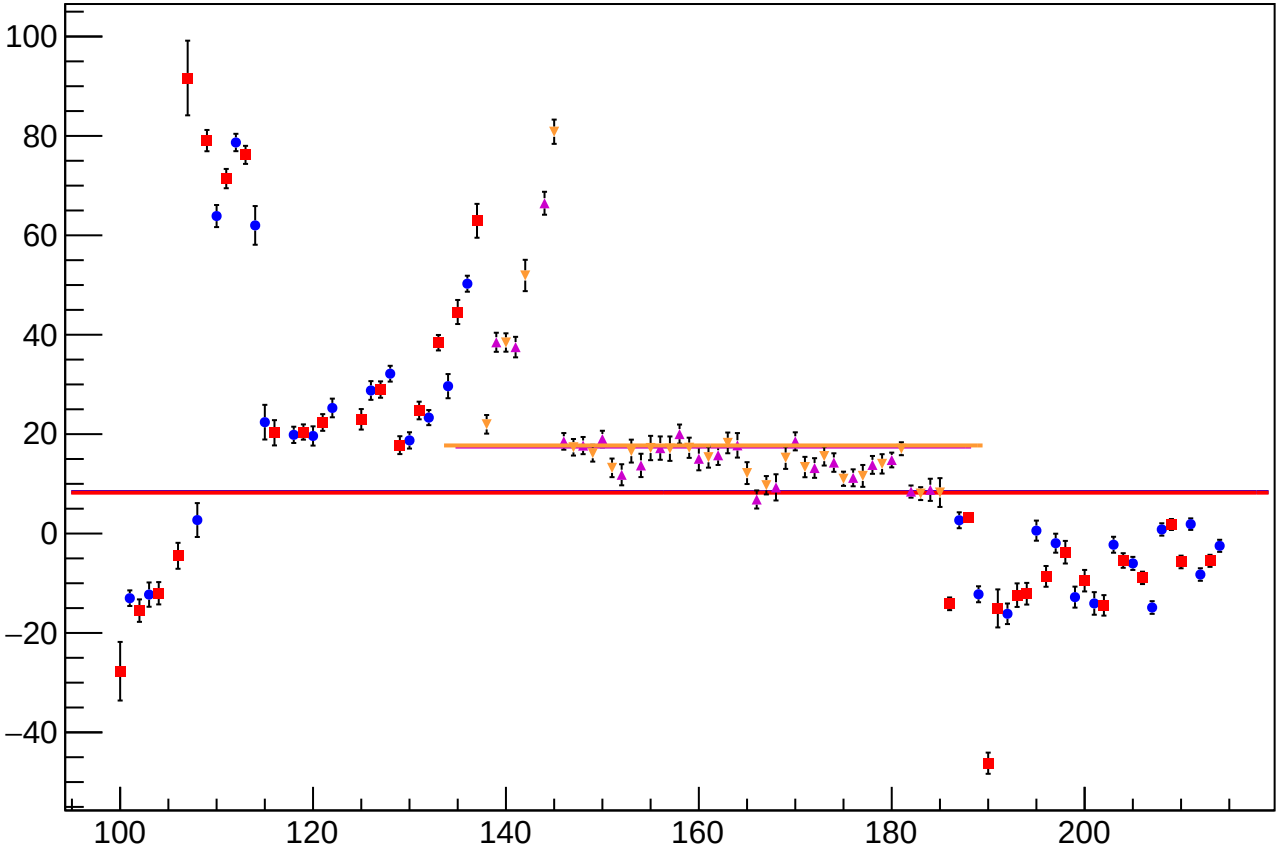
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.138+/-0.227 χ^2/NDF: 858.3/53

All: 6.223+/-0.161 χ^2/NDF: 1535.6/109

- sign 6.309+/-0.228 χ^2/NDF: 677.0/55

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 8.353+/-0.308 χ^2/NDF: 5481.1/29

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 8.230+/-0.303 χ^2/NDF: 7297.7/32

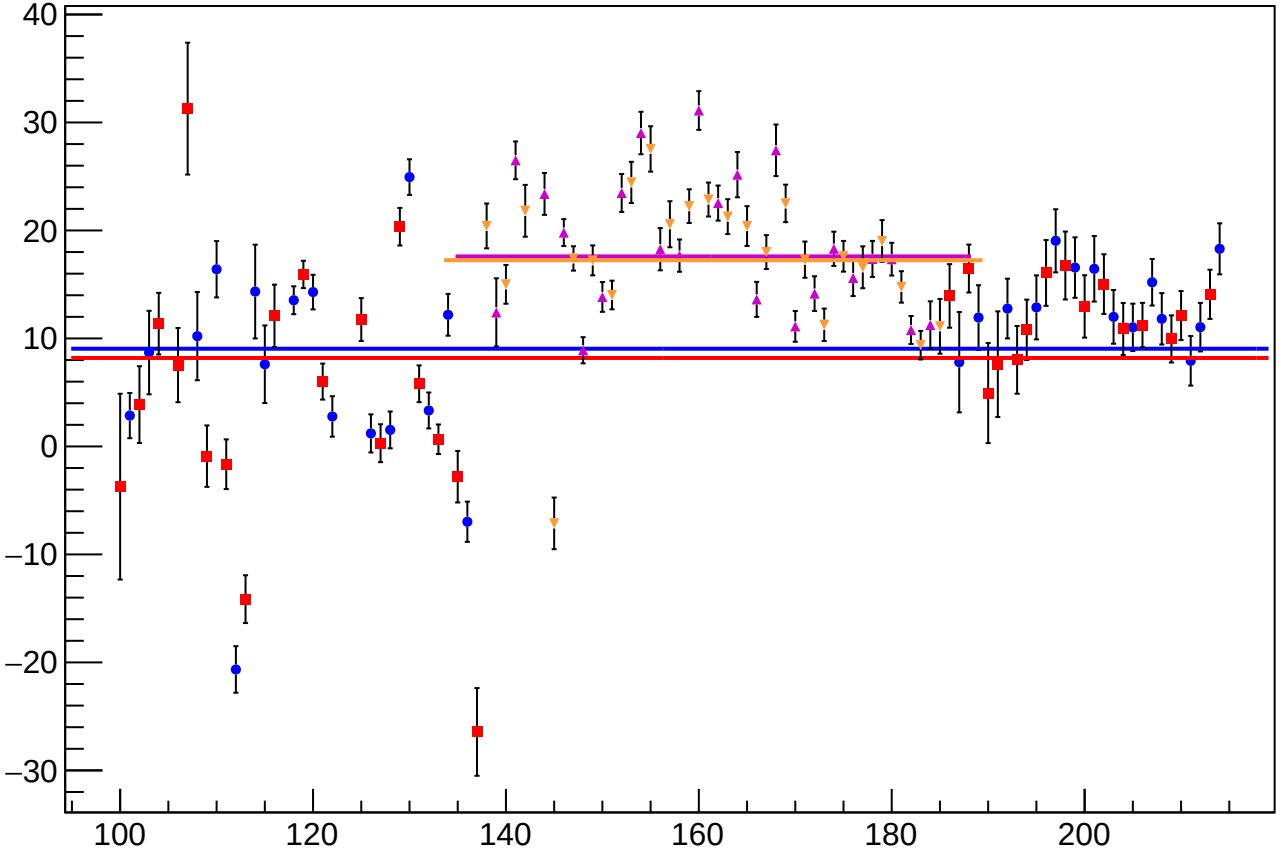
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 11.945+/-0.242 χ^2/NDF: 6893.4/53

All: 11.816+/-0.170 χ^2/NDF: 15360.7/109

- sign 11.689+/-0.240 χ^2/NDF: 8466.8/55

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.048+/-0.403 χ^2/NDF: 520.2/29

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.192+/-0.406 χ^2/NDF: 444.5/32

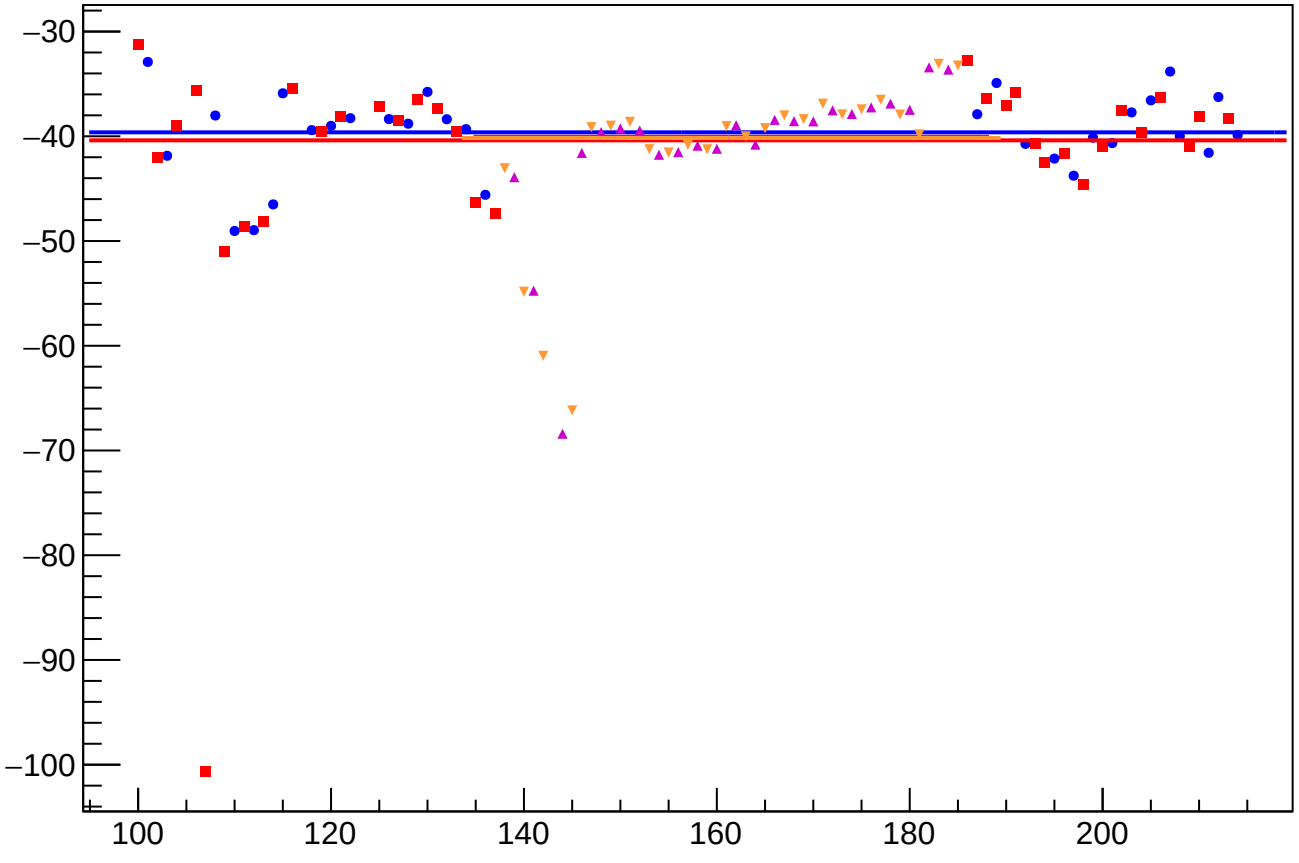
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.859+/-0.259 χ^2/NDF: 1023.7/53

All: 13.774+/-0.184 χ^2/NDF: 2092.0/109

- sign 13.688+/-0.262 χ^2/NDF: 1068.1/55

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.623+/-0.020 χ^2/NDF: 33730.0/29

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.387+/-0.020 χ^2/NDF: 73469.5/32

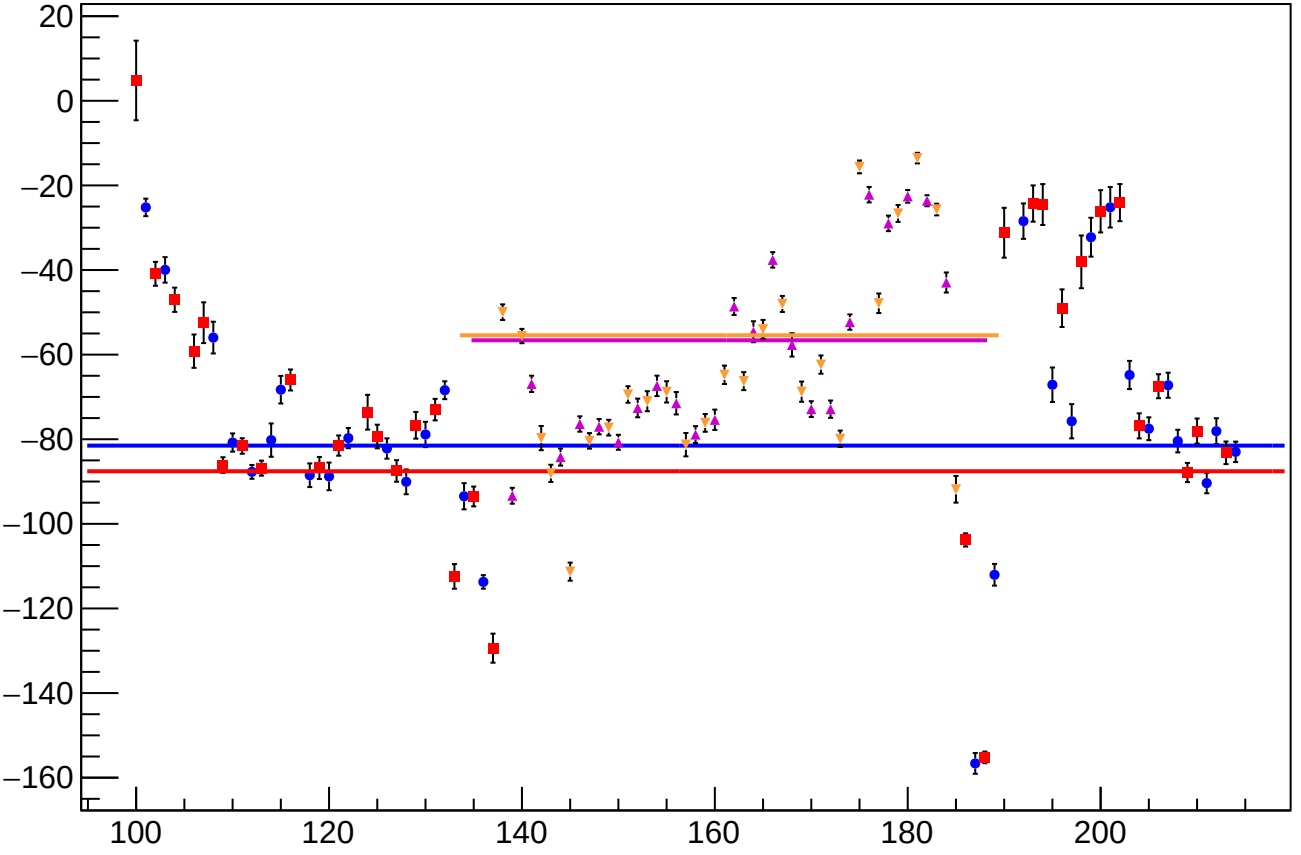
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.964+/-0.012 χ^2/NDF: 197522.6/53

All: -40.070+/-0.009 χ^2/NDF: 407758.6/109

- sign -40.175+/-0.012 χ^2/NDF: 210086.5/55

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.509+/-0.488 χ^2/NDF: 3062.2/29

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.570+/-0.464 χ^2/NDF: 4615.6/32

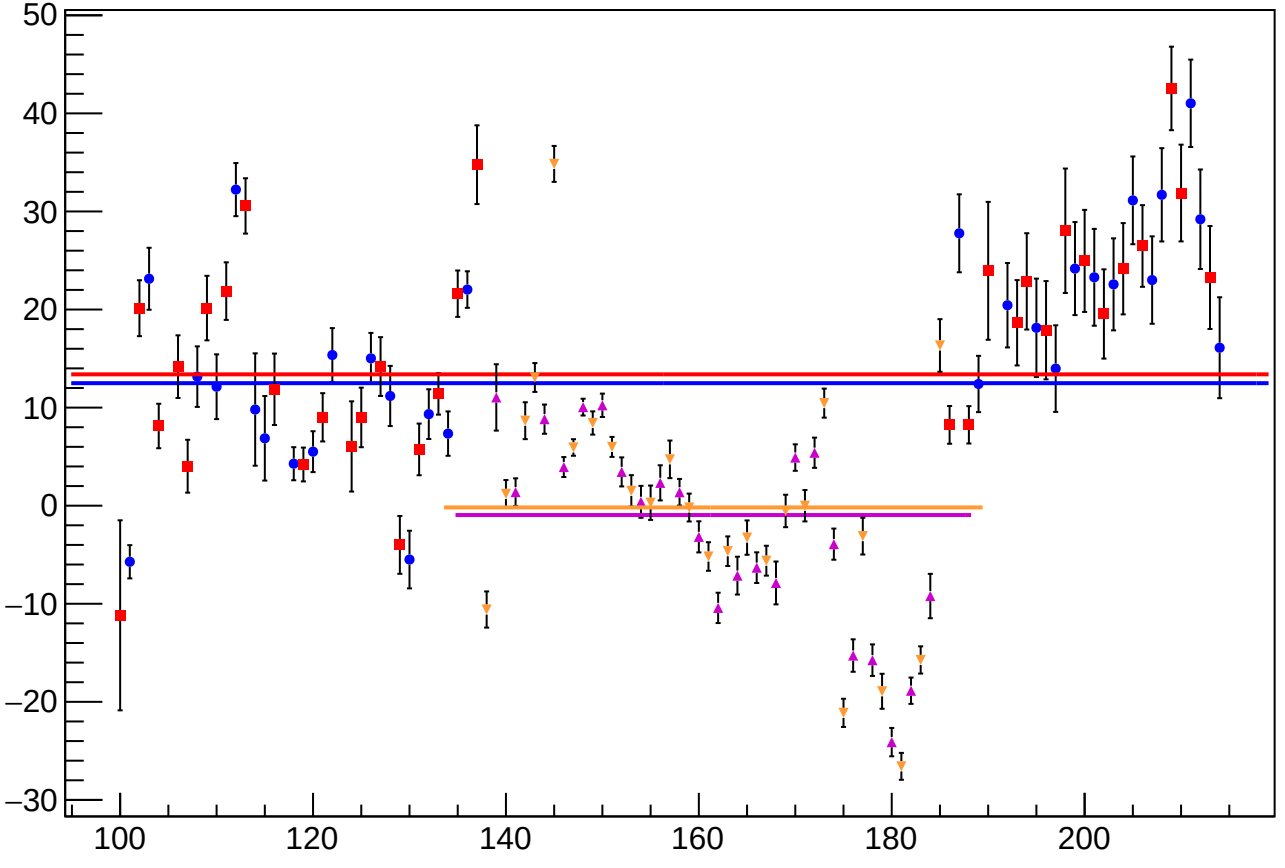
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -65.692+/-0.306 χ^2/NDF: 9319.1/54

All: -67.841+/-0.216 χ^2/NDF: 19919.7/110

- sign -69.965+/-0.304 χ^2/NDF: 10502.7/55

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.491+/-0.549 χ^2/NDF: 416.2/29

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.391+/-0.534 χ^2/NDF: 314.9/32

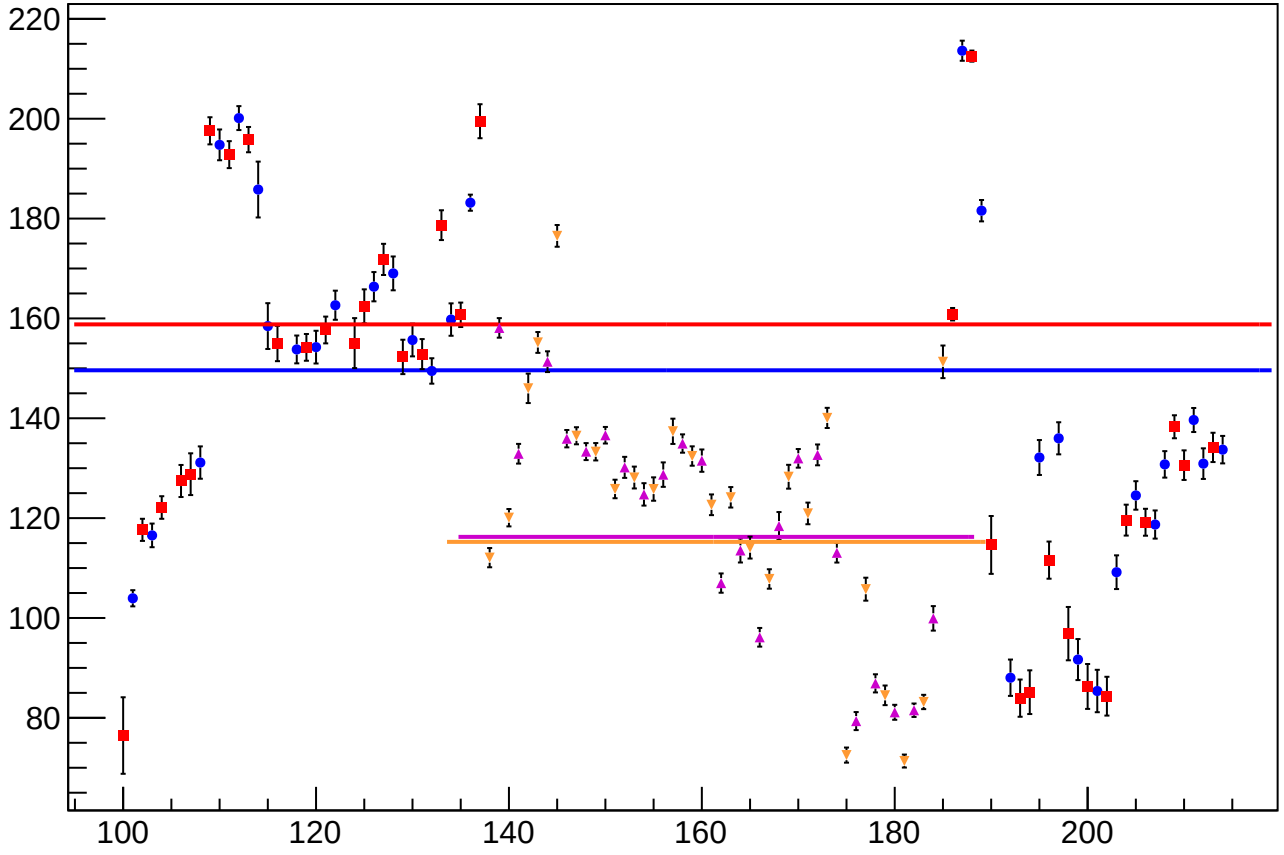
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

+ sign 2.650+/-0.259 χ^2/NDF: 2429.2/54

All: 2.608+/-0.185 χ^2/NDF: 4359.1/110

- sign 2.564+/-0.264 χ^2/NDF: 1929.9/55

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 149.610+/-0.500 χ^2/NDF: 4730.7/29

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 158.805+/-0.464 χ^2/NDF: 6294.6/32

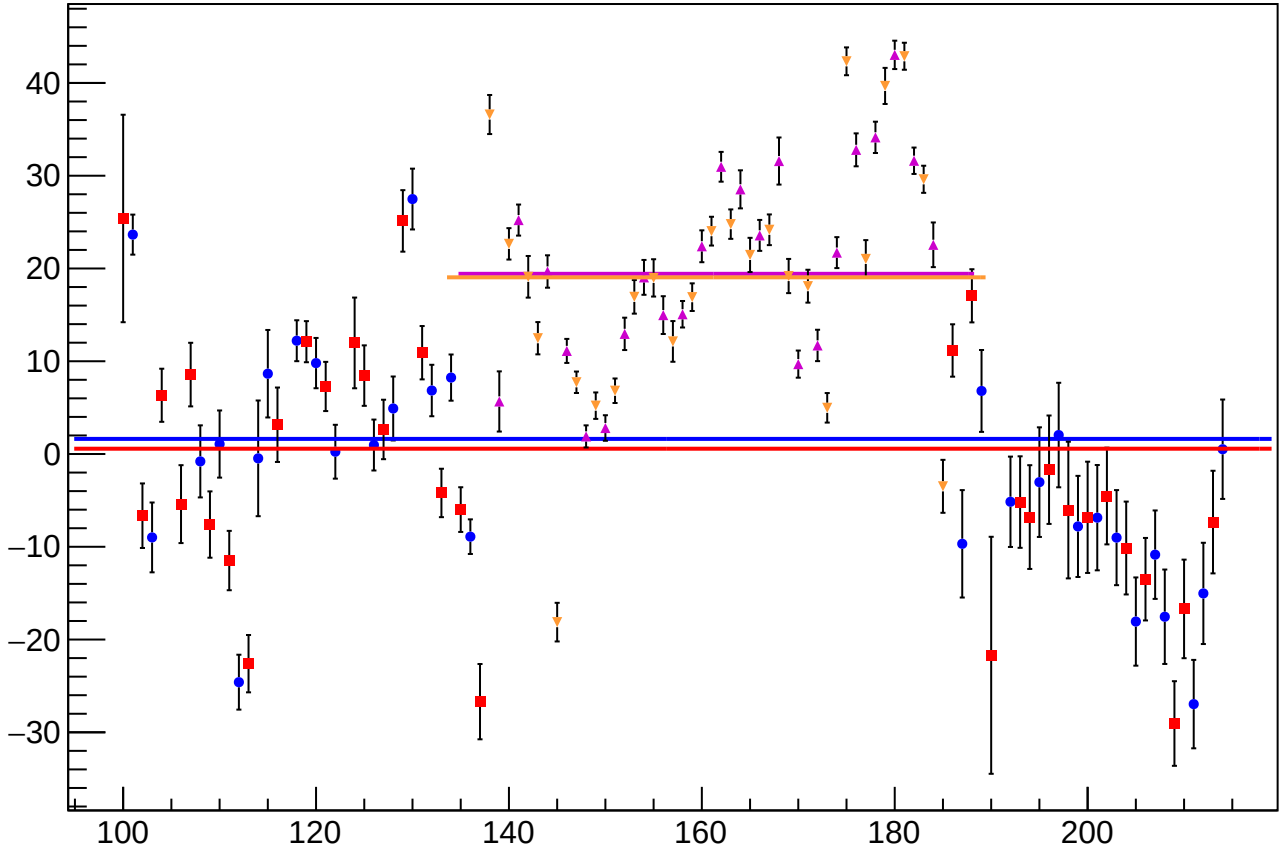
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.269+/-0.308 χ^2/NDF: 12505.4/54

All: 131.349+/-0.216 χ^2/NDF: 27465.1/110

- sign 134.331+/-0.303 χ^2/NDF: 14762.4/55

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.629+/-0.634 χ^2/NDF: 432.2/29

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.572+/-0.631 χ^2/NDF: 391.9/32

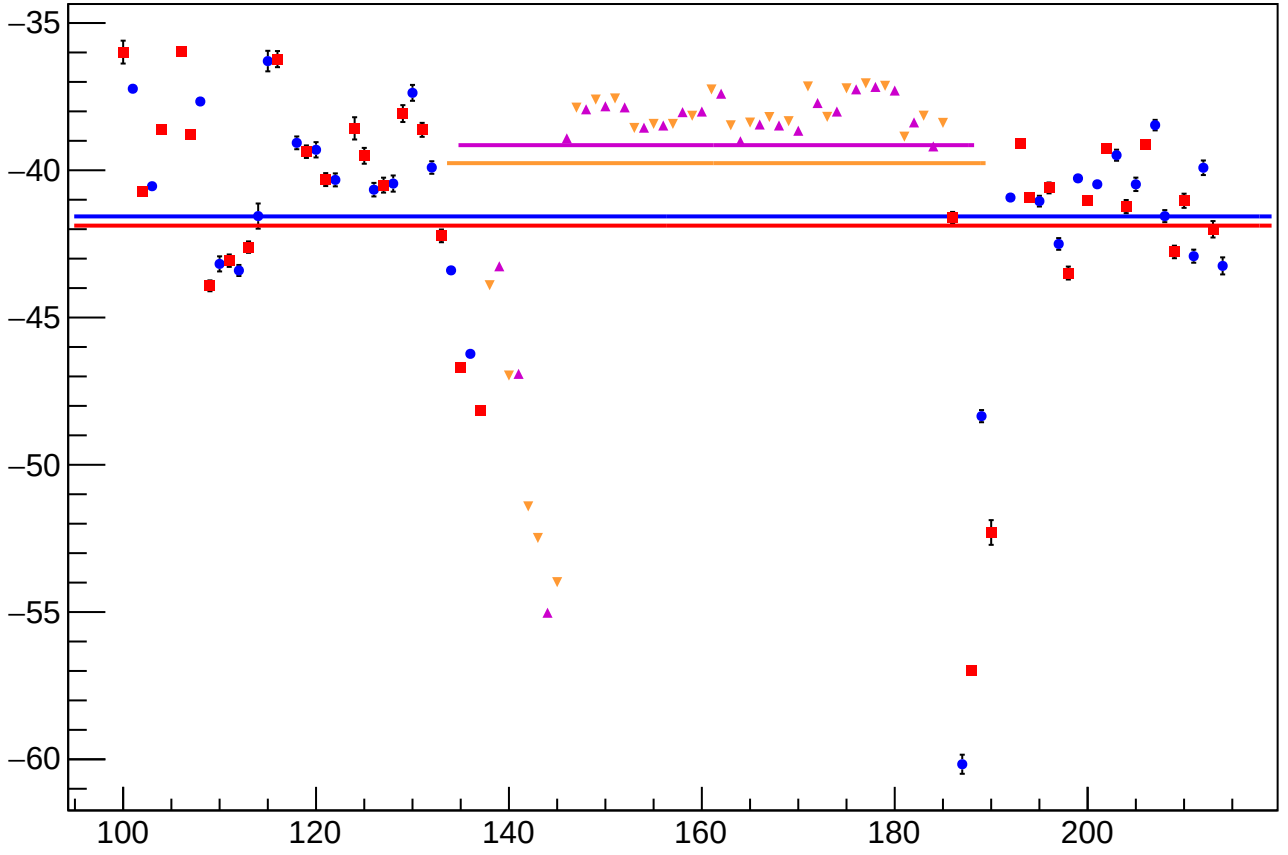
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

\+ sign 15.225+/-0.297 χ^2/NDF: 2567.0/54

All: 15.149+/-0.212 χ^2/NDF: 4723.3/110

\- sign 15.070+/-0.303 χ^2/NDF: 2156.1/55

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.566+/-0.031 χ^2/NDF: 13005.4/29

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.879+/-0.031 χ^2/NDF: 19762.5/32

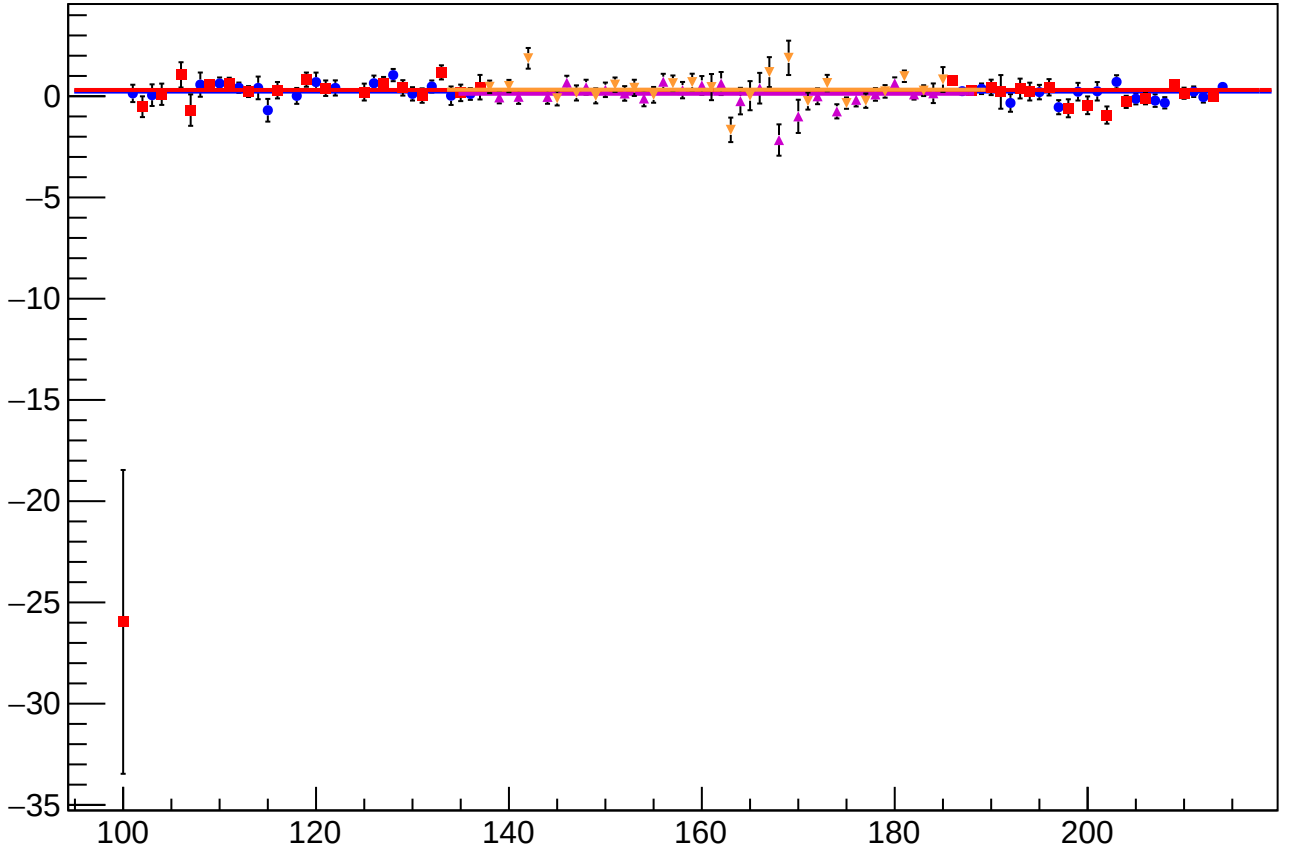
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

\+ sign -40.120+/-0.014 χ^2/NDF: 97615.7/54

All: -39.910+/-0.010 χ^2/NDF: 170898.9/110

\- sign -39.695+/-0.014 χ^2/NDF: 72815.7/55

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.228+/-0.060 χ^2/NDF: 35.4/29

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.308+/-0.055 χ^2/NDF: 63.6/32

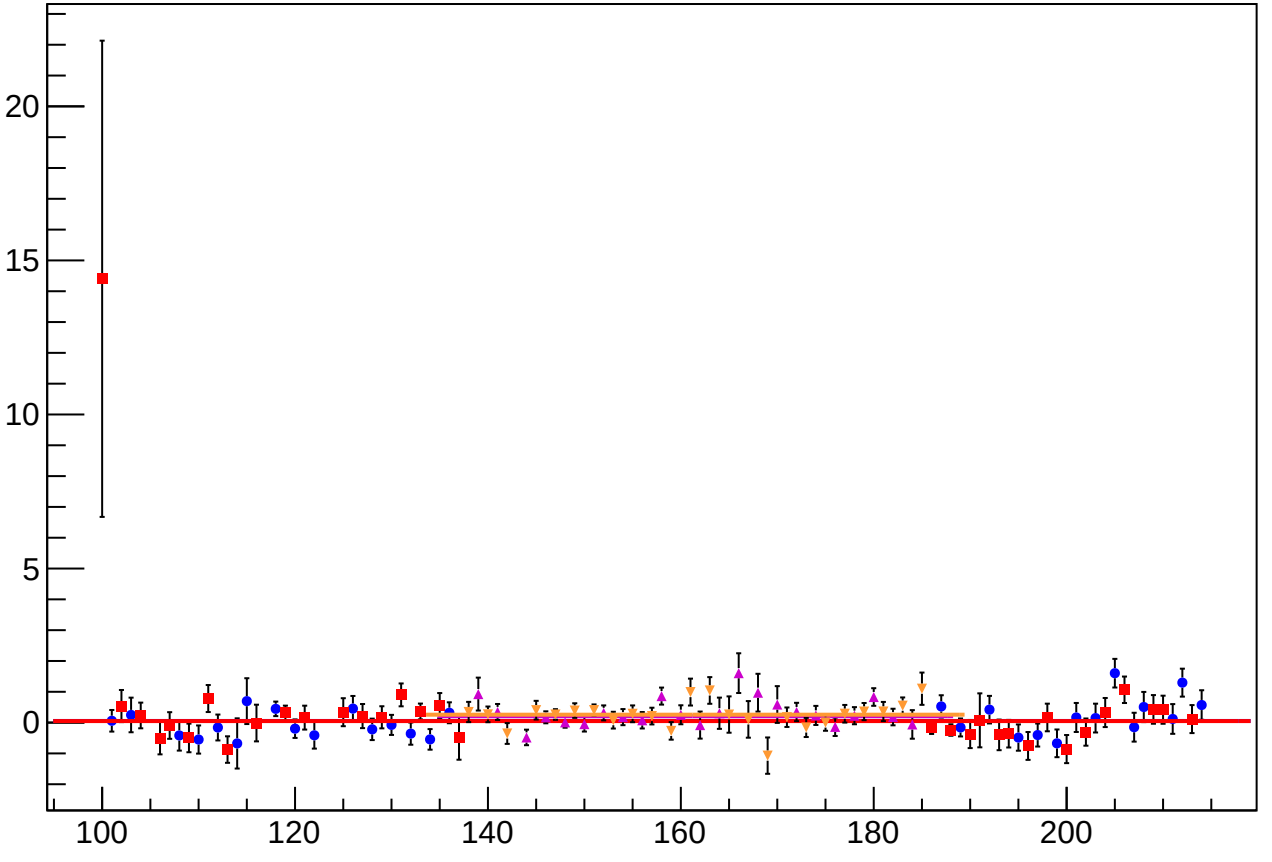
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

\+ sign 0.263+/-0.048 χ^2/NDF: 83.2/53

All: 0.254+/-0.033 χ^2/NDF: 180.5/109

\- sign 0.247+/-0.045 χ^2/NDF: 97.3/55

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-0.072 χ^2/NDF: 45.6/29

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.049+/-0.067 χ^2/NDF: 46.5/32

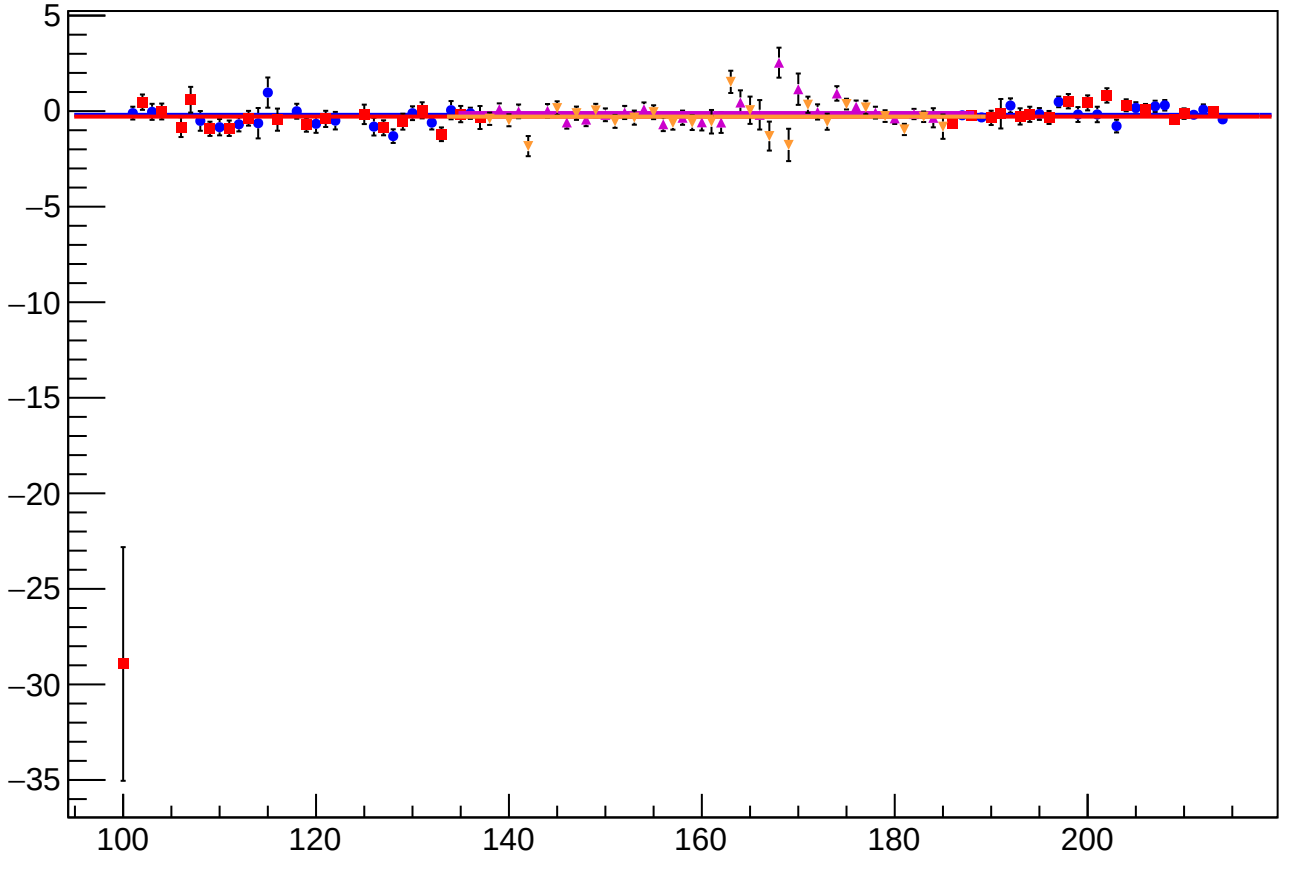
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.175+/-0.046 χ^2/NDF: 76.9/53

All: 0.155+/-0.032 χ^2/NDF: 158.6/109

- sign 0.136+/-0.045 χ^2/NDF: 81.4/55

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.194+/-0.060 χ^2/NDF: 41.9/29

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.287+/-0.053 χ^2/NDF: 76.8/32

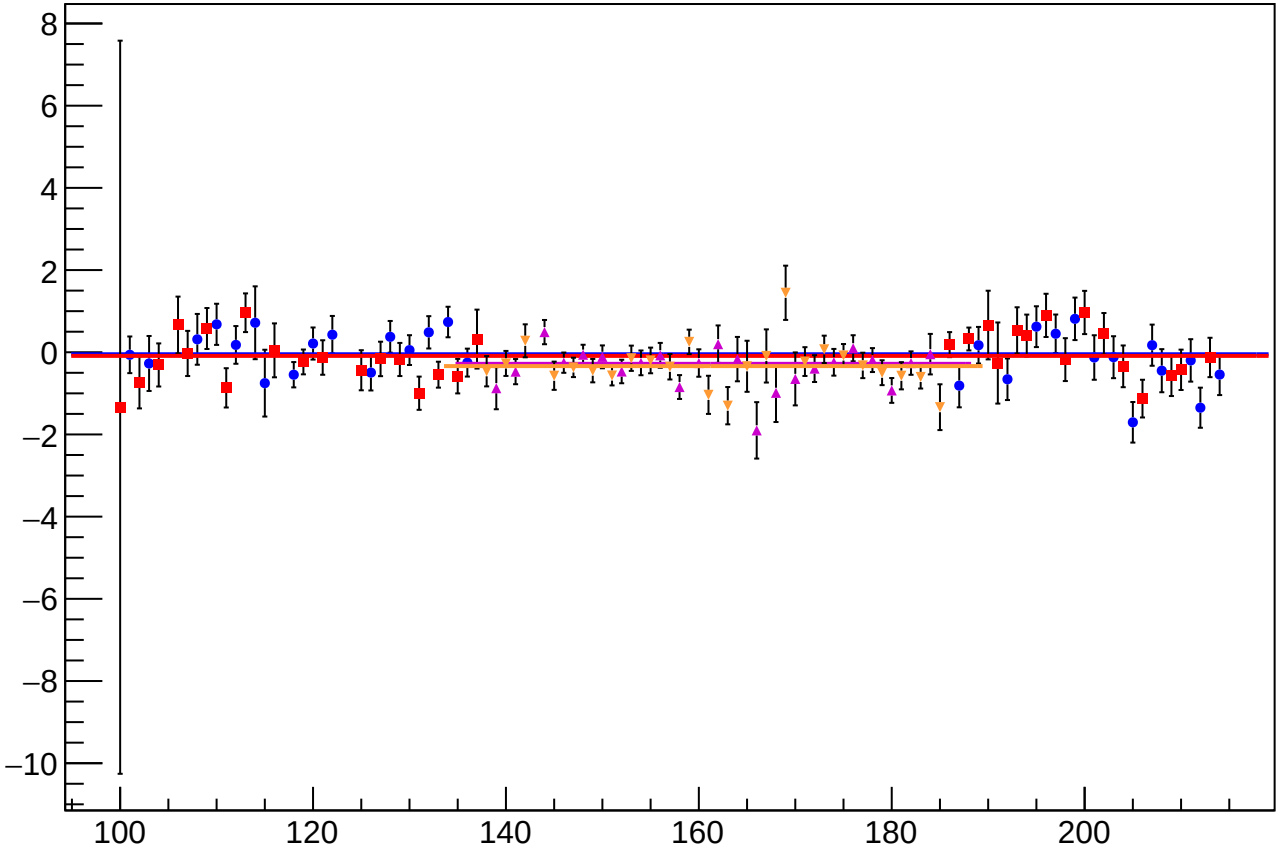
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.229+/-0.048 χ^2/NDF: 87.9/53

All: -0.228+/-0.032 χ^2/NDF: 201.8/109

- sign -0.228+/-0.044 χ^2/NDF: 114.0/55

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.049+/-0.084 χ^2/NDF: 47.2/29

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.088+/-0.081 χ^2/NDF: 43.0/32

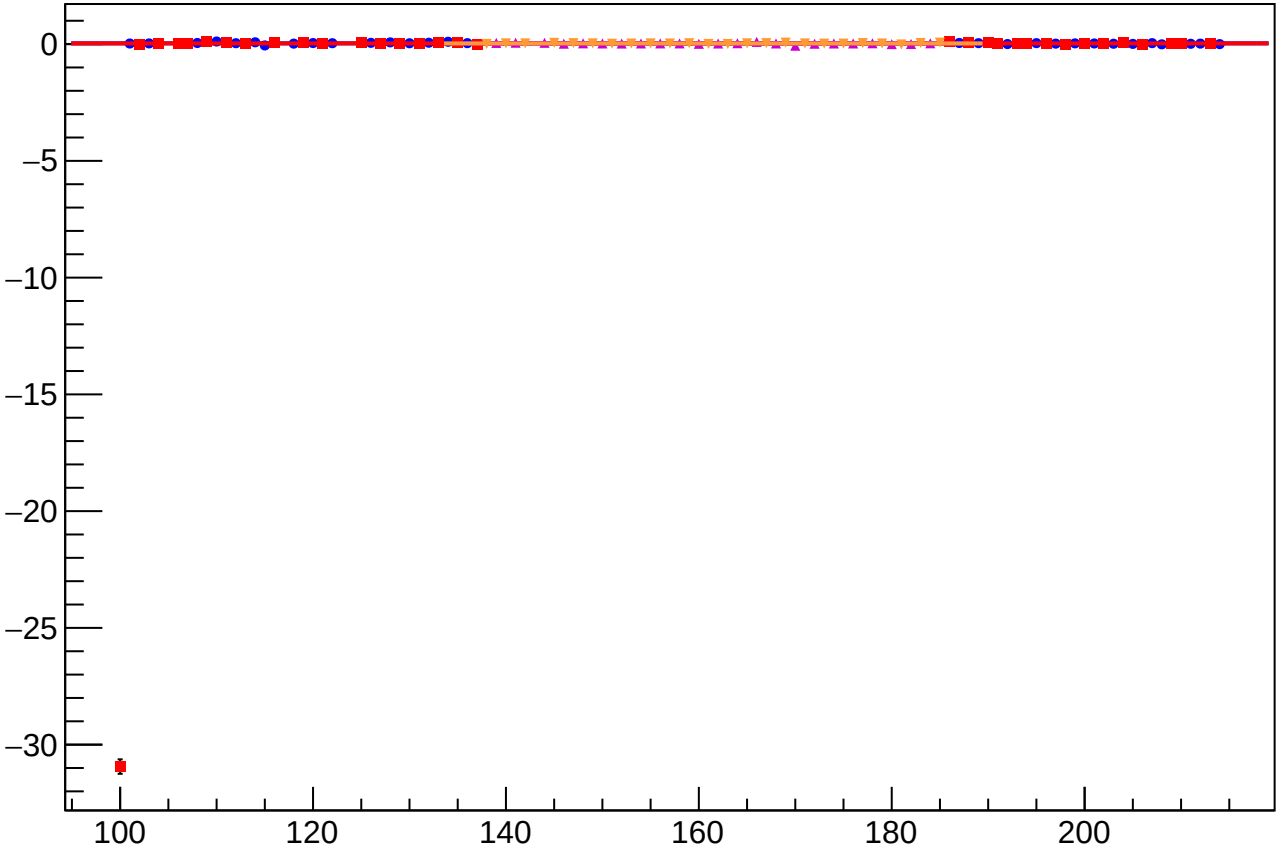
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.223+/-0.053 χ^2/NDF: 84.4/53

All: -0.212+/-0.037 χ^2/NDF: 159.9/109

- sign -0.201+/-0.053 χ^2/NDF: 75.3/55

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.033+/-0.004 χ^2/NDF: 38.8/29

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10055.8/32

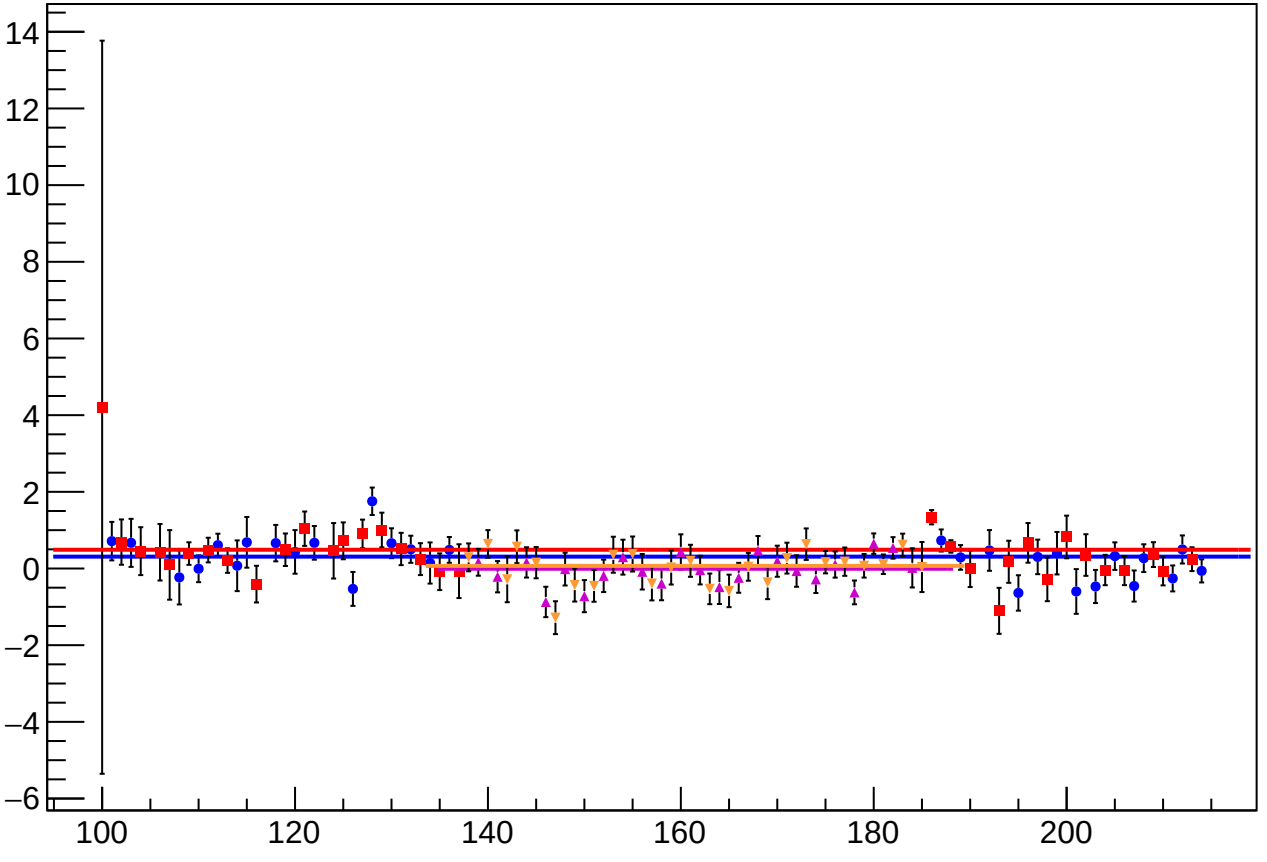
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.030+/-0.002 χ^2/NDF: 67.5/53

All: 0.030+/-0.002 χ^2/NDF: 10162.2/109

- sign 0.030+/-0.002 χ^2/NDF: 10094.7/55

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.310+/-0.075 χ^2/NDF: 46.8/29

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.489+/-0.067 χ^2/NDF: 50.3/32

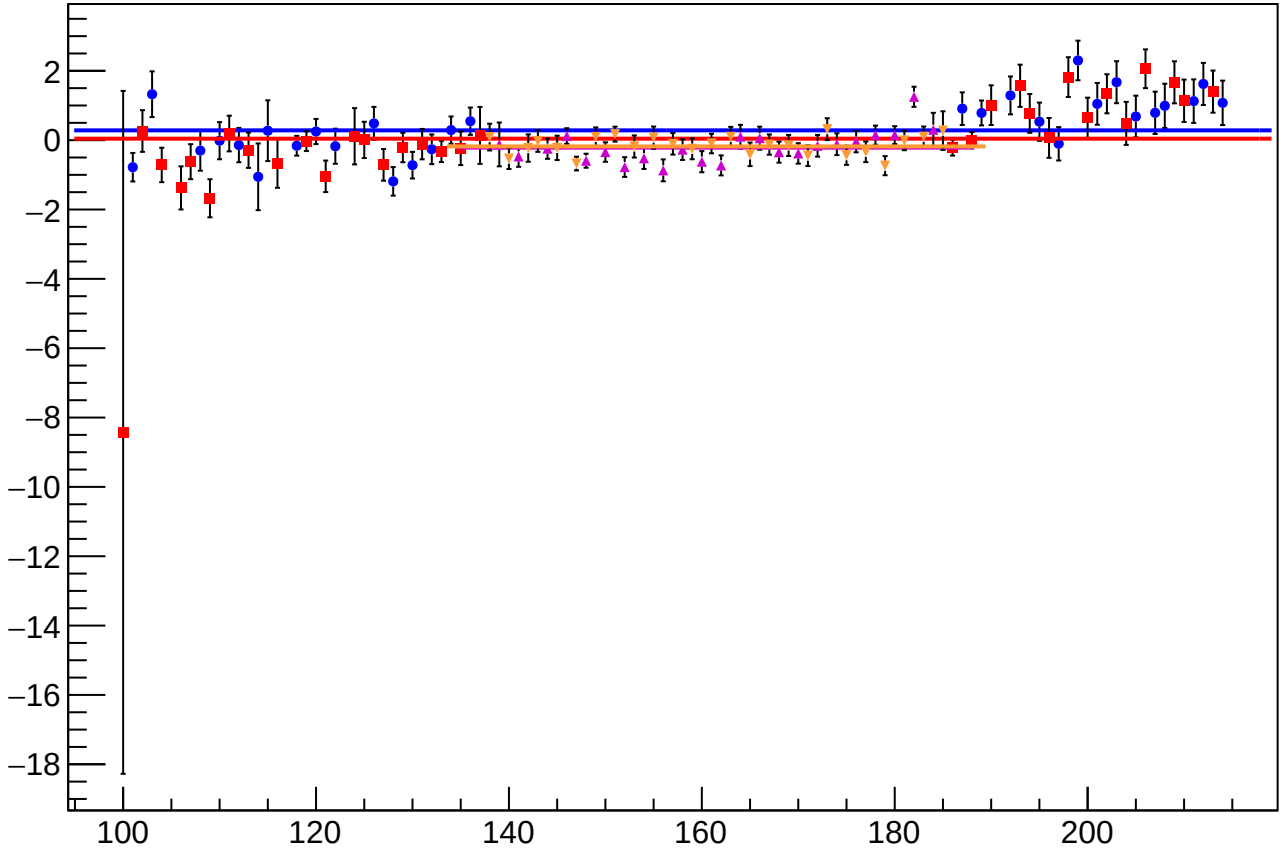
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.194+/-0.054 χ^2/NDF: 83.0/54

All: 0.240+/-0.037 χ^2/NDF: 185.9/110

\- sign 0.283+/-0.051 χ^2/NDF: 101.5/55

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.283+/-0.088 χ^2/NDF: 76.1/29

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.043+/-0.081 χ^2/NDF: 89.3/32

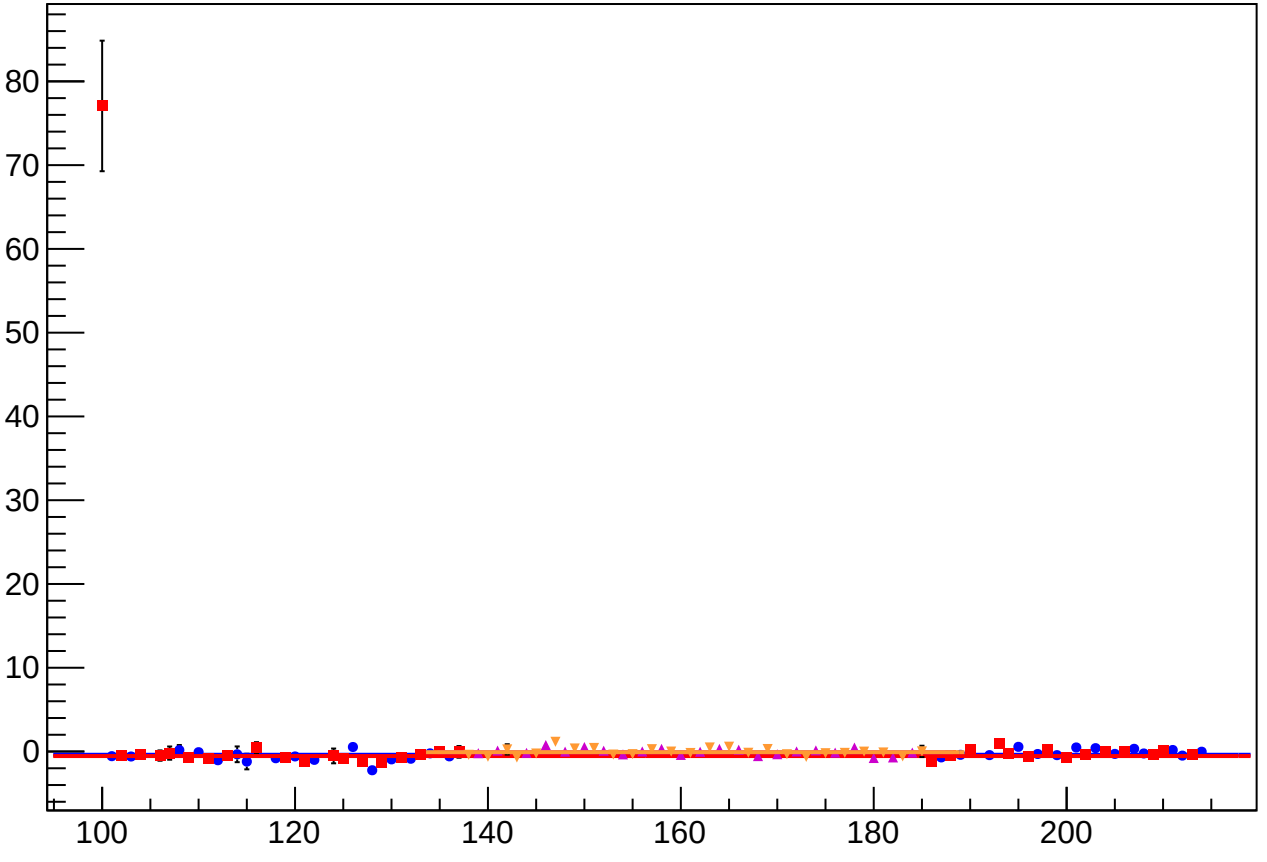
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.037+/-0.049 χ^2/NDF: 119.8/54

All: -0.079+/-0.035 χ^2/NDF: 270.6/110

- sign -0.121+/-0.049 χ^2/NDF: 149.3/55

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.389+/-0.075 χ^2/NDF: 53.2/29

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.542+/-0.065 χ^2/NDF: 149.5/32

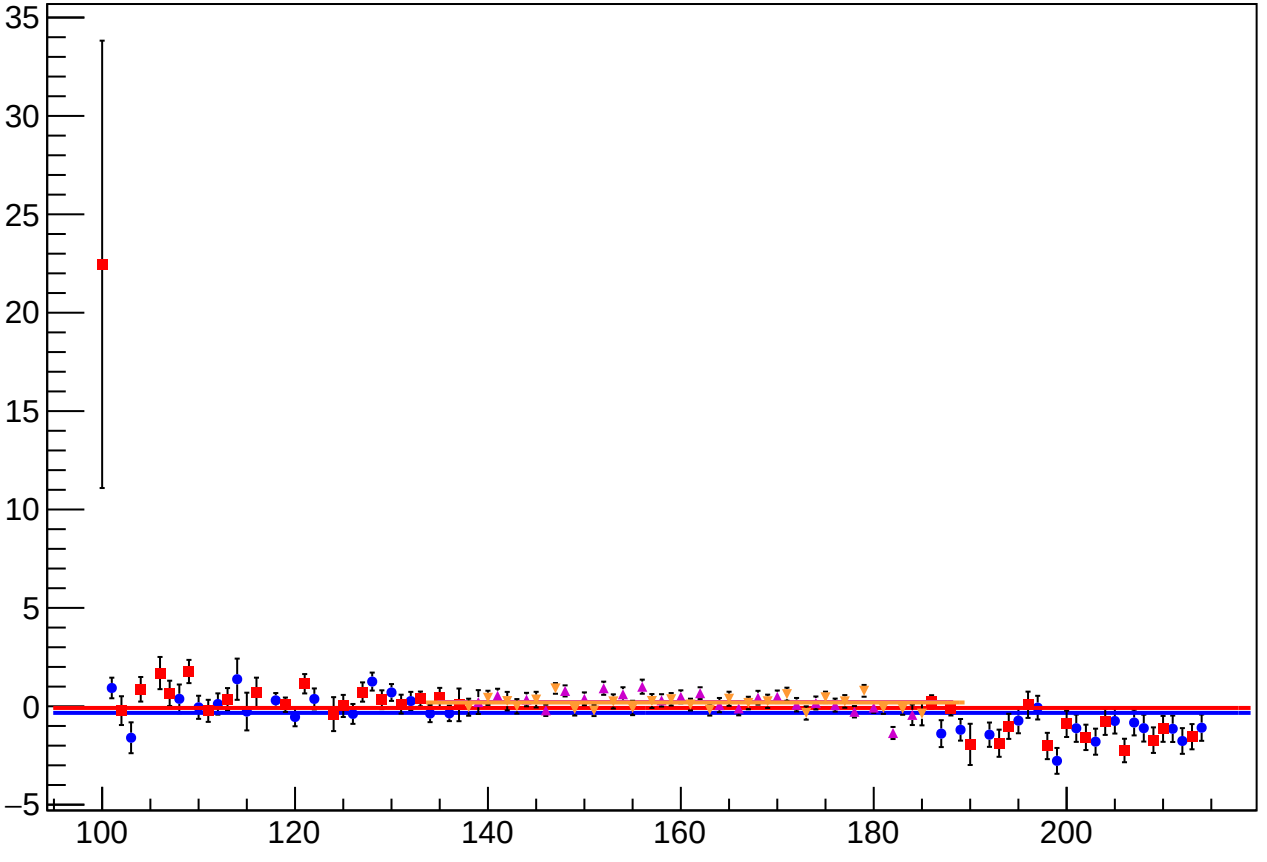
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.236+/-0.054 χ^2/NDF: 91.6/54

All: -0.299+/-0.037 χ^2/NDF: 293.0/110

- sign -0.354+/-0.050 χ^2/NDF: 198.8/55

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.335+/-0.103 χ^2/NDF: 75.9/29

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.084+/-0.098 χ^2/NDF: 93.3/32

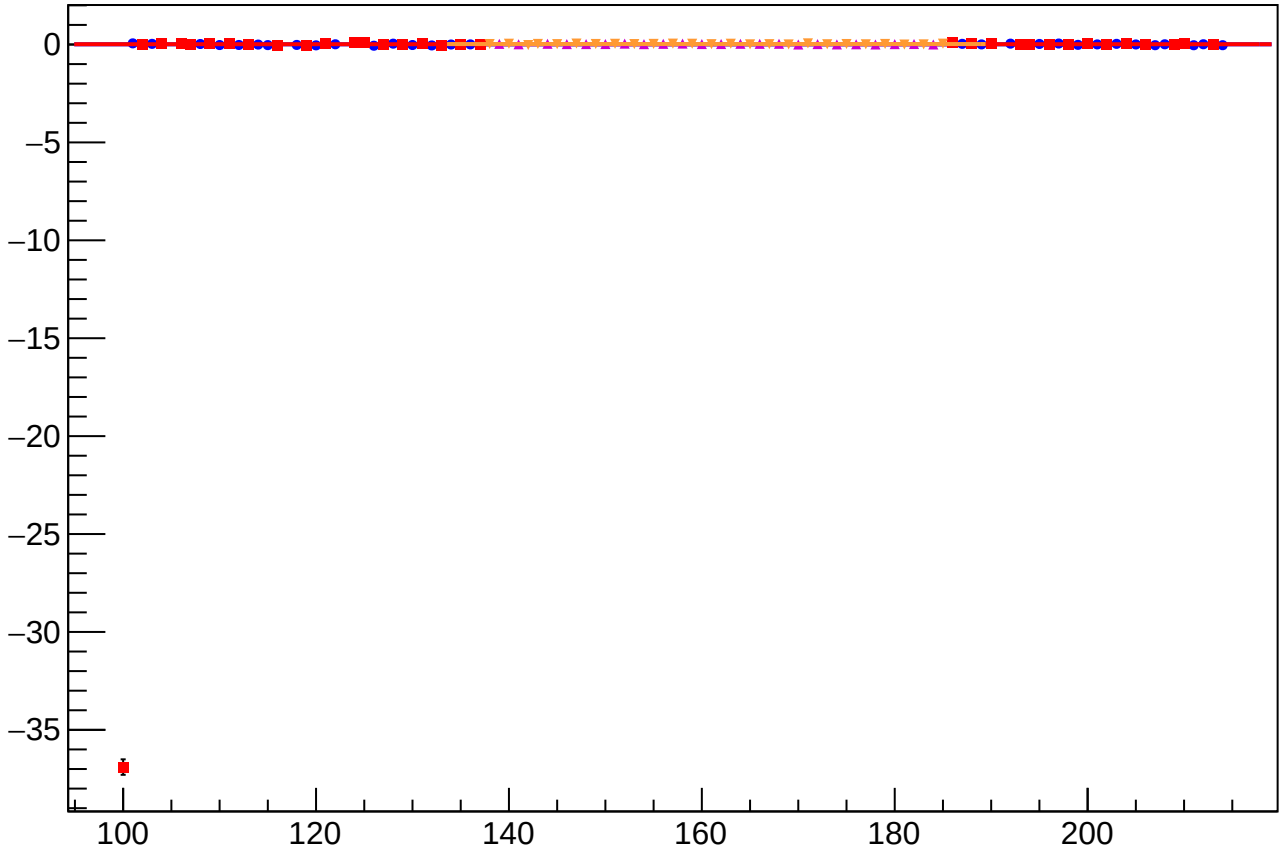
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.036+/-0.056 χ^2/NDF: 120.3/54

All: 0.075+/-0.040 χ^2/NDF: 276.0/110

- sign 0.115+/-0.056 χ^2/NDF: 154.7/55

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.005 χ^2/NDF: 36.3/29

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8783.0/32

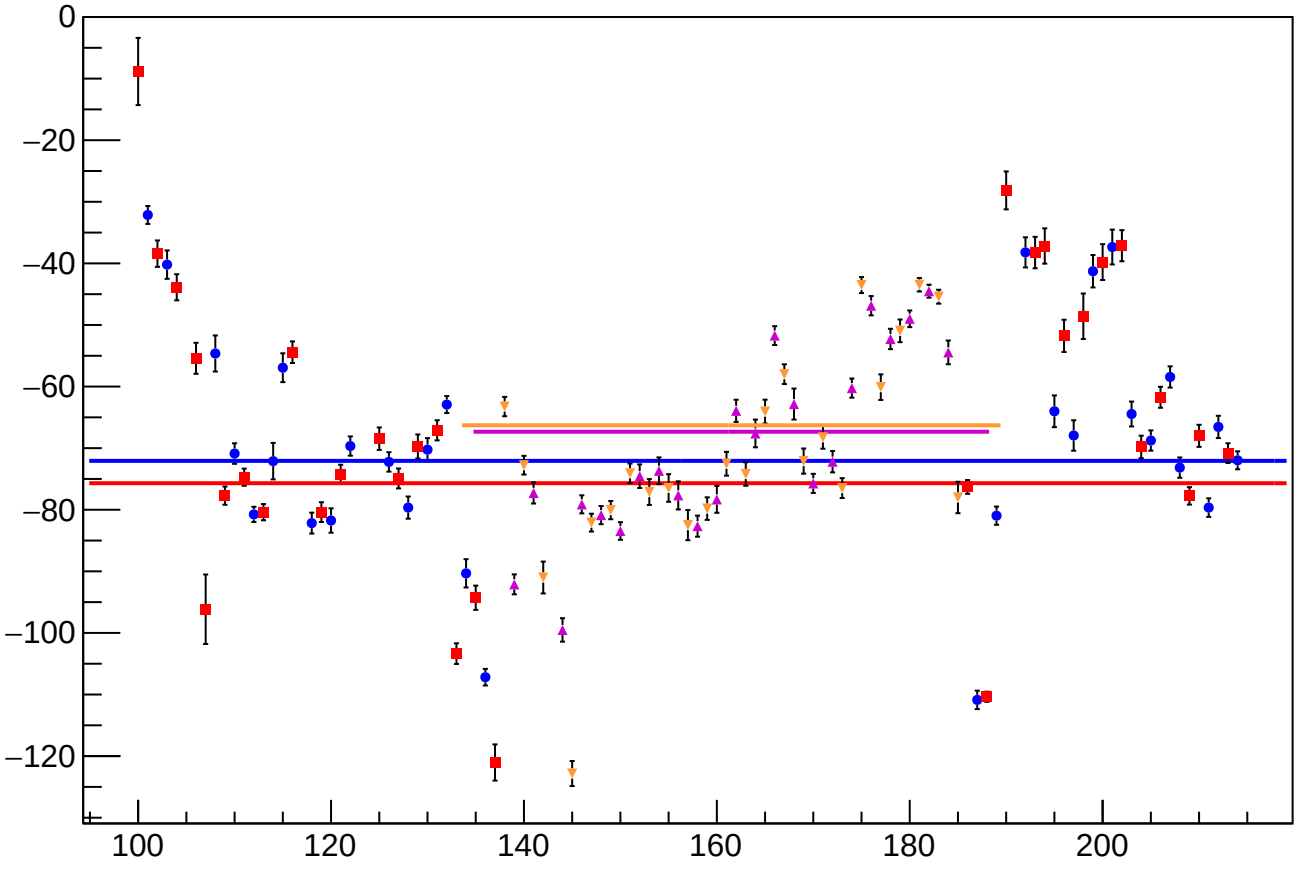
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 73.5/54

All: 0.021+/-0.002 χ^2/NDF: 8877.6/110

- sign 0.021+/-0.003 χ^2/NDF: 8803.9/55

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.063+/-0.324 χ^2/NDF: 3253.6/29

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.691+/-0.311 χ^2/NDF: 4595.2/31

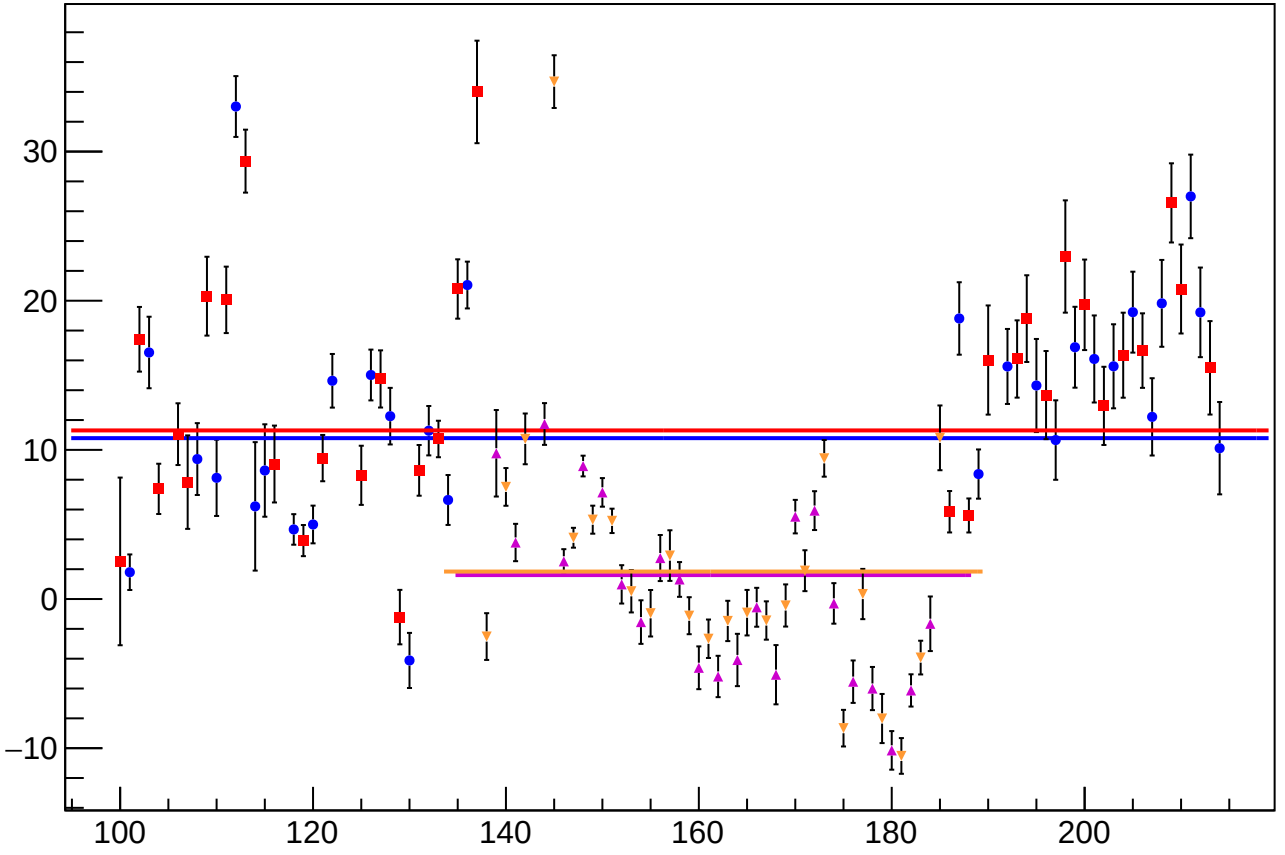
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.351+/-0.236 χ^2/NDF: 5953.6/53

All: -70.677+/-0.165 χ^2/NDF: 13037.7/108

- sign -71.951+/-0.231 χ^2/NDF: 7022.0/54

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.786+/-0.363 χ^2/NDF: 457.0/29

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.304+/-0.356 χ^2/NDF: 414.2/31

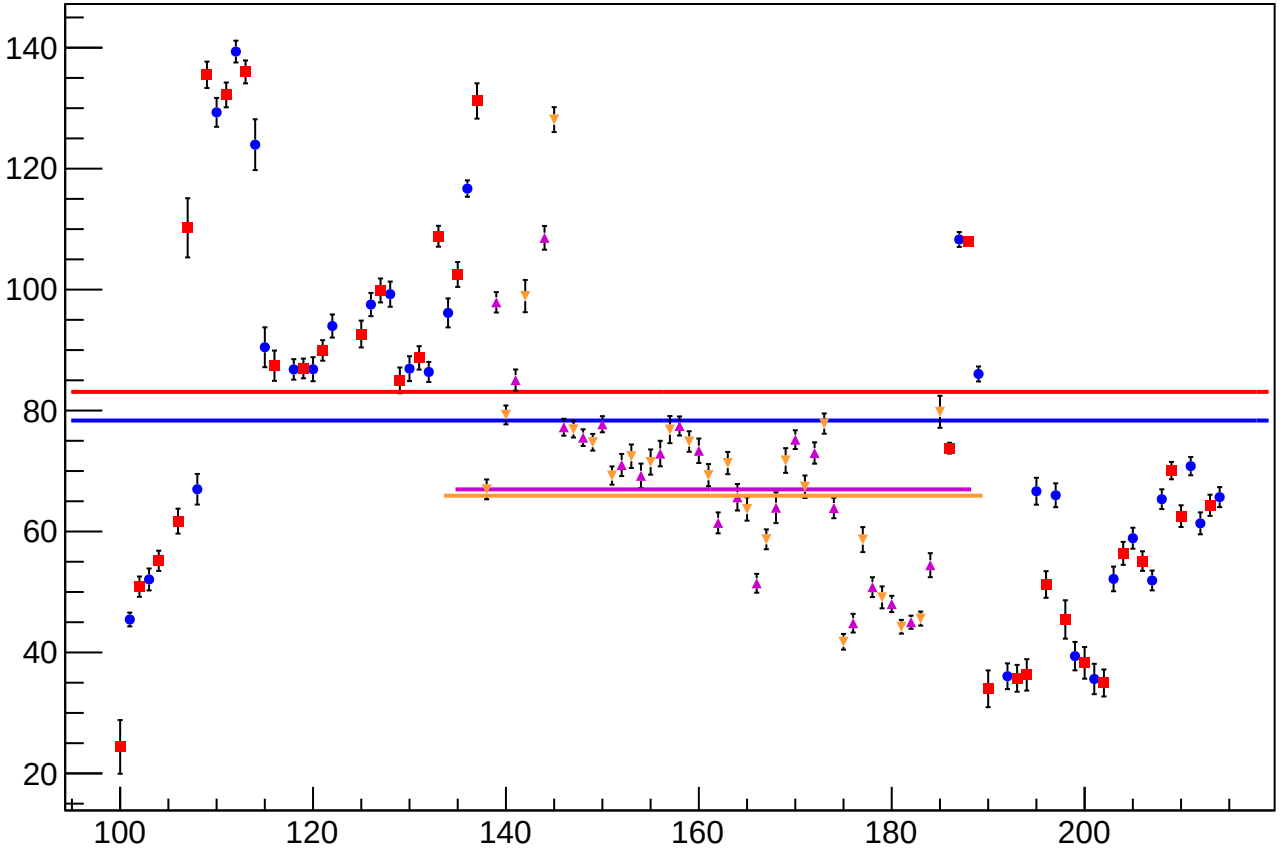
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

\+ sign 4.791+/-0.208 χ^2/NDF: 1645.8/53

All: 4.868+/-0.148 χ^2/NDF: 3042.3/108

\- sign 4.946+/-0.209 χ^2/NDF: 1396.1/54

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 78.350+/-0.328 χ^2/NDF: 6439.5/29

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 83.091+/-0.306 χ^2/NDF: 8073.2/31

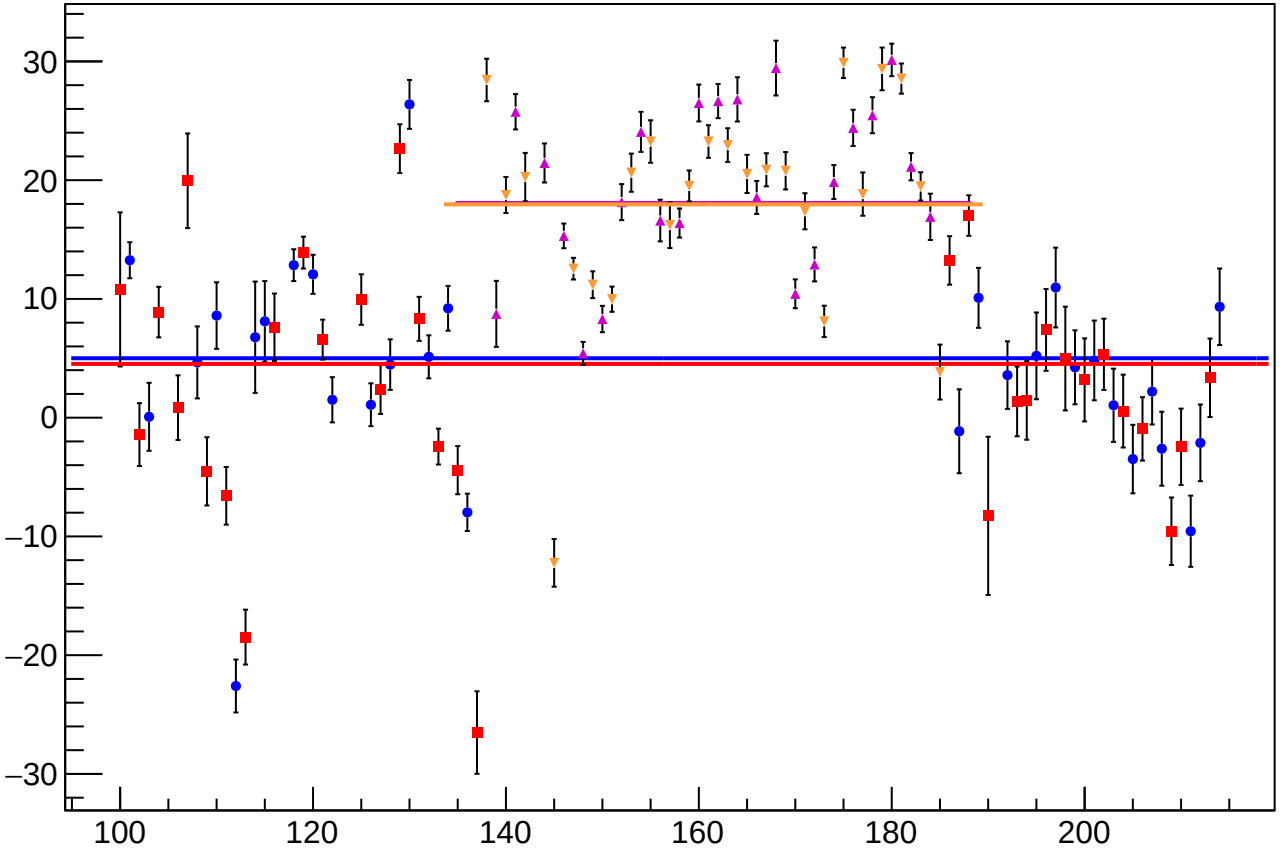
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 72.373+/-0.236 χ^2/NDF: 9686.4/53

All: 74.202+/-0.164 χ^2/NDF: 21334.9/108

- sign 75.903+/-0.228 χ^2/NDF: 11532.7/54

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.004+/-0.424 χ^2/NDF: 488.7/29

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.529+/-0.424 χ^2/NDF: 532.4/31

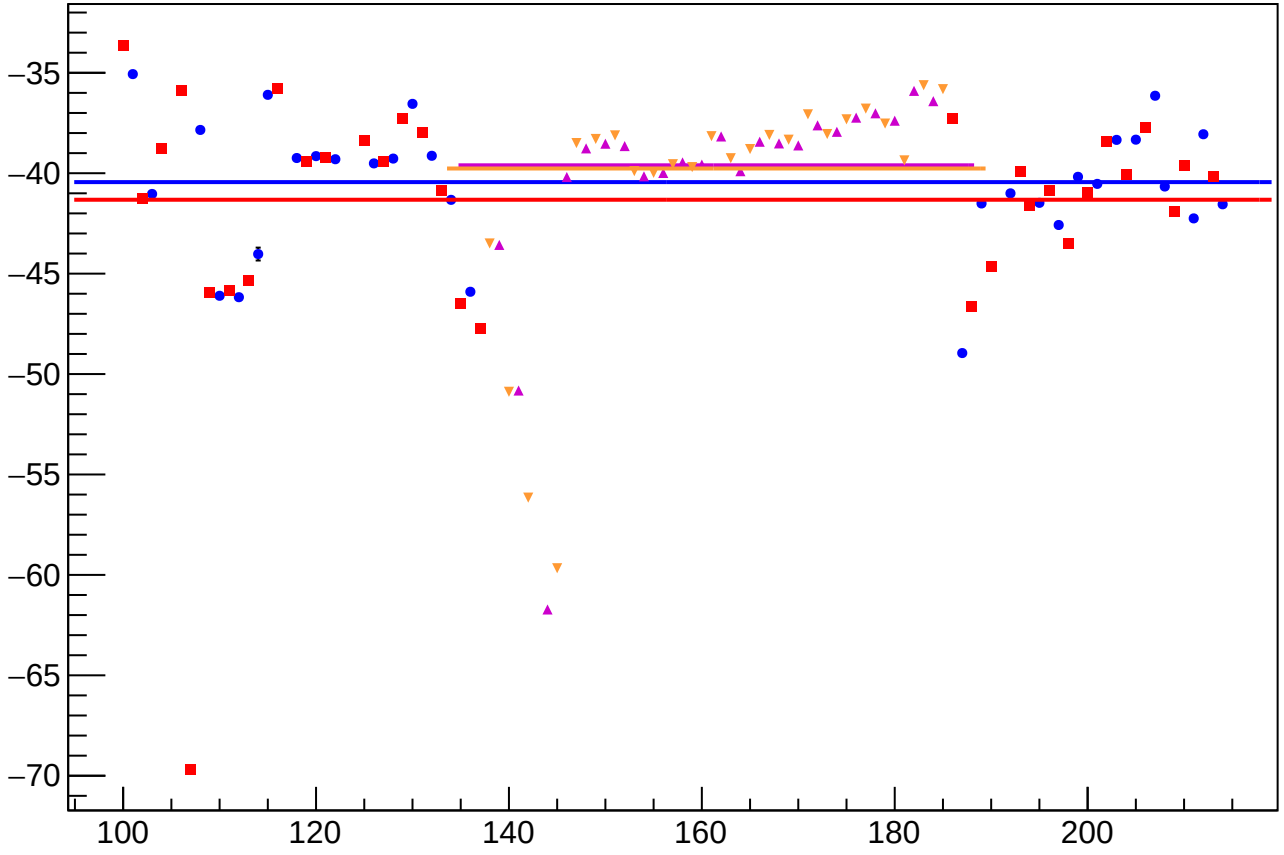
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.794+/-0.240 χ^2/NDF: 1854.6/53

All: 13.732+/-0.171 χ^2/NDF: 3679.7/108

- sign 13.668+/-0.242 χ^2/NDF: 1825.0/54

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.443+/-0.021 χ^2/NDF: 23331.5/29

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.321+/-0.021 χ^2/NDF: 44827.6/31

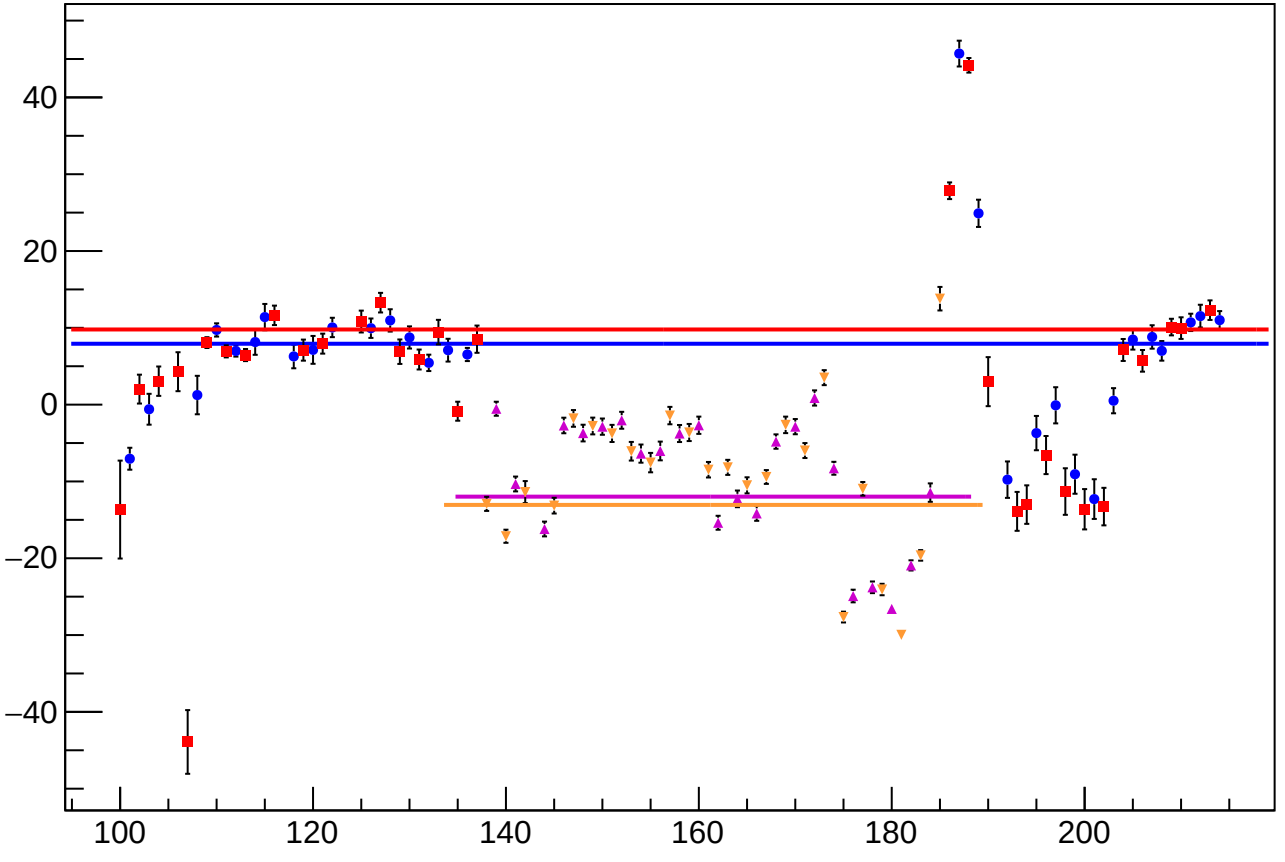
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.964+/-0.011 χ^2/NDF: 153968.5/53

All: -40.032+/-0.008 χ^2/NDF: 310247.1/108

- sign -40.100+/-0.011 χ^2/NDF: 156205.4/54

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.928+/-0.250 χ^2/NDF: 1002.0/29

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.786+/-0.241 χ^2/NDF: 2391.3/31

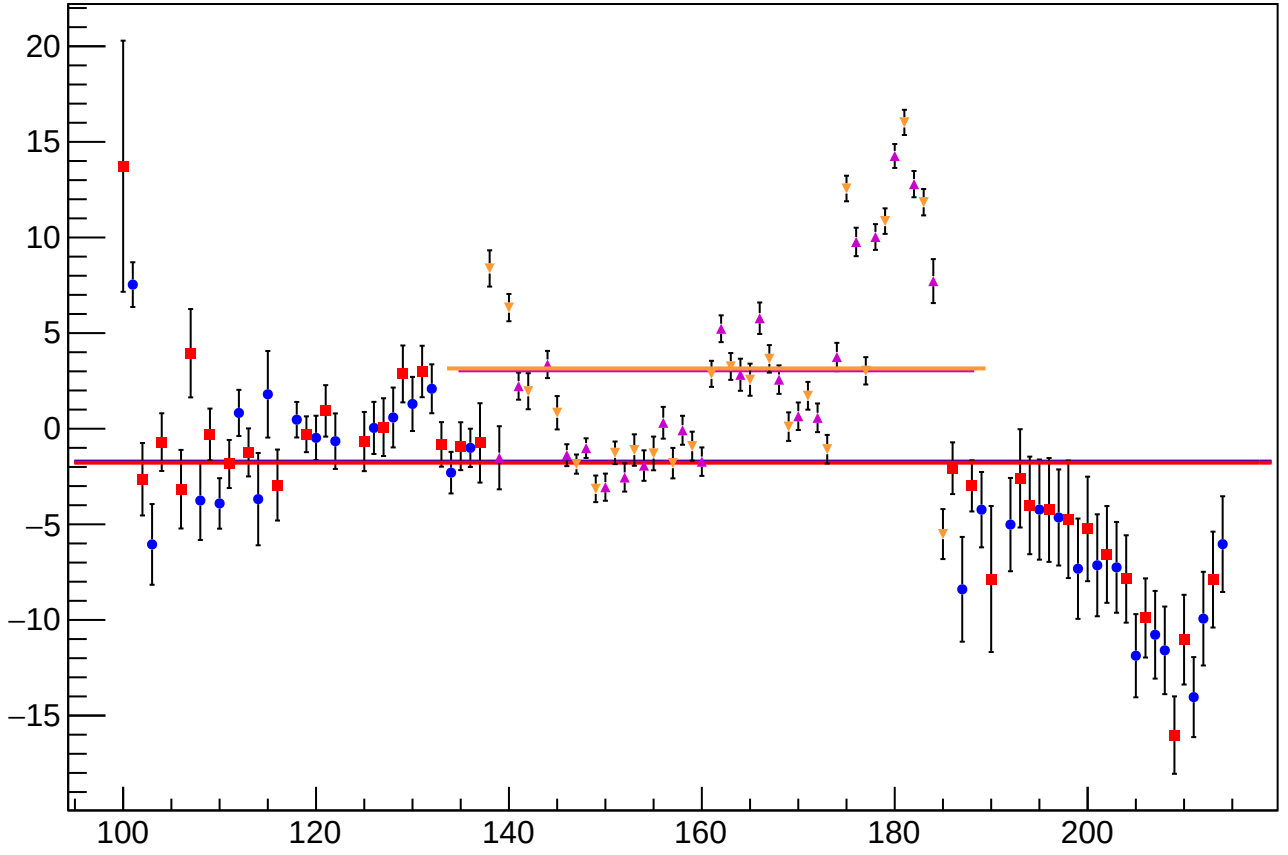
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -5.242+/-0.153 χ^2/NDF: 8281.1/53

All: -4.294+/-0.108 χ^2/NDF: 17835.8/108

\- sign -3.357+/-0.152 χ^2/NDF: 9478.1/54

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.720+/-0.294 χ^2/NDF: 234.0/29

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.775+/-0.295 χ^2/NDF: 151.7/31

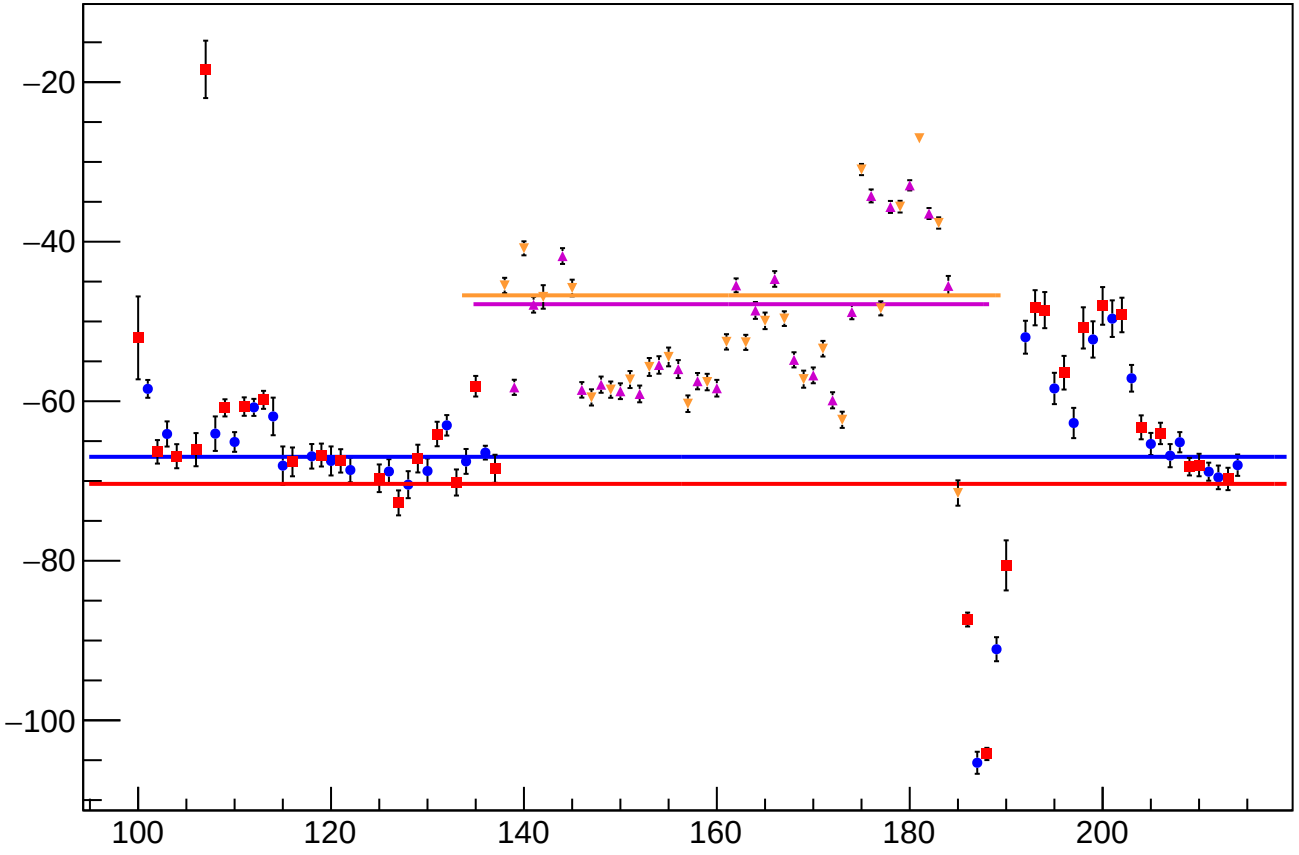
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.155+/-0.133 χ^2/NDF: 1837.7/53

All: 2.101+/-0.095 χ^2/NDF: 3346.0/108

- sign 2.044+/-0.135 χ^2/NDF: 1508.0/54

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.968+/-0.268 χ^2/NDF: 1369.4/29

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.361+/-0.260 χ^2/NDF: 3475.0/31

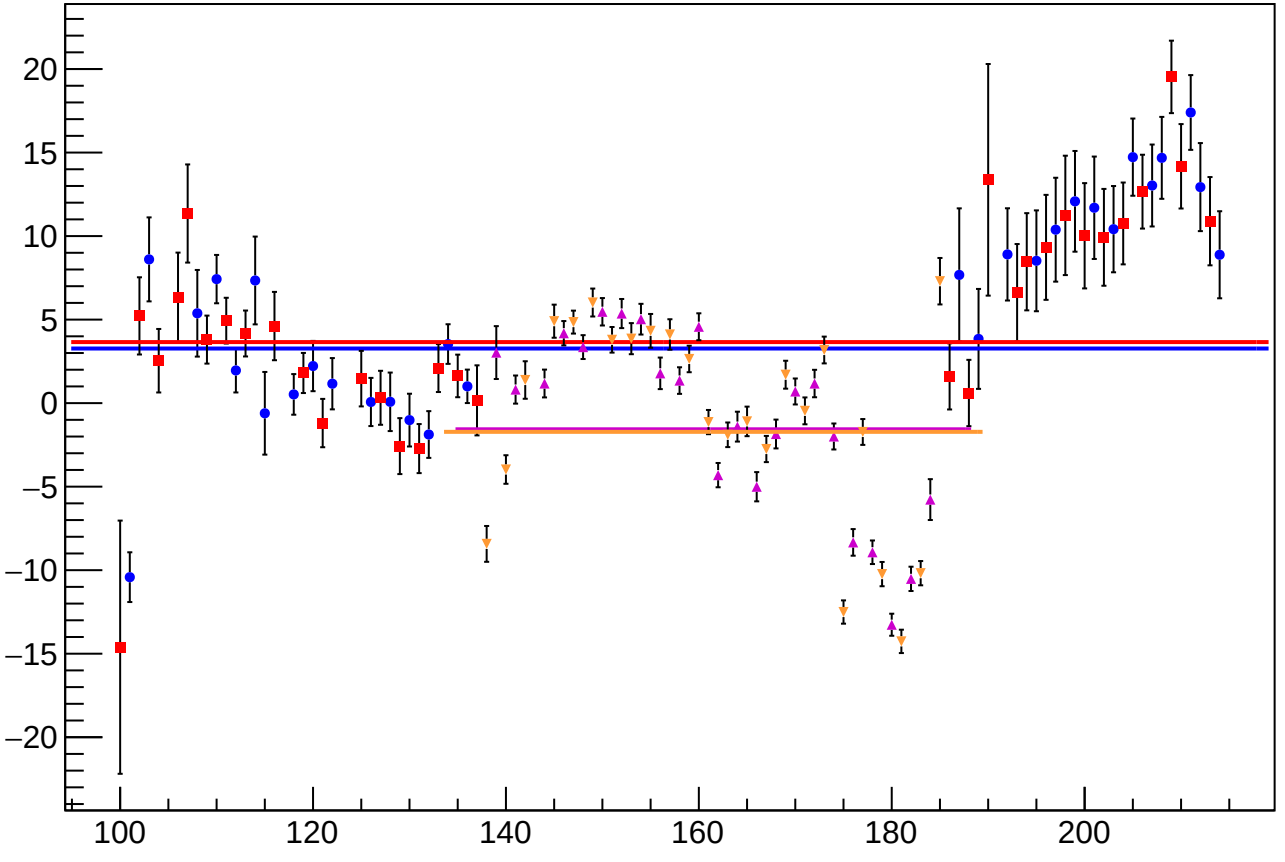
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -53.552+/-0.156 χ^2/NDF: 8582.9/53

All: -54.729+/-0.110 χ^2/NDF: 19562.2/108

- sign -55.898+/-0.155 χ^2/NDF: 10865.7/54

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.269+/-0.334 χ^2/NDF: 303.0/29

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.655+/-0.340 χ^2/NDF: 203.5/31

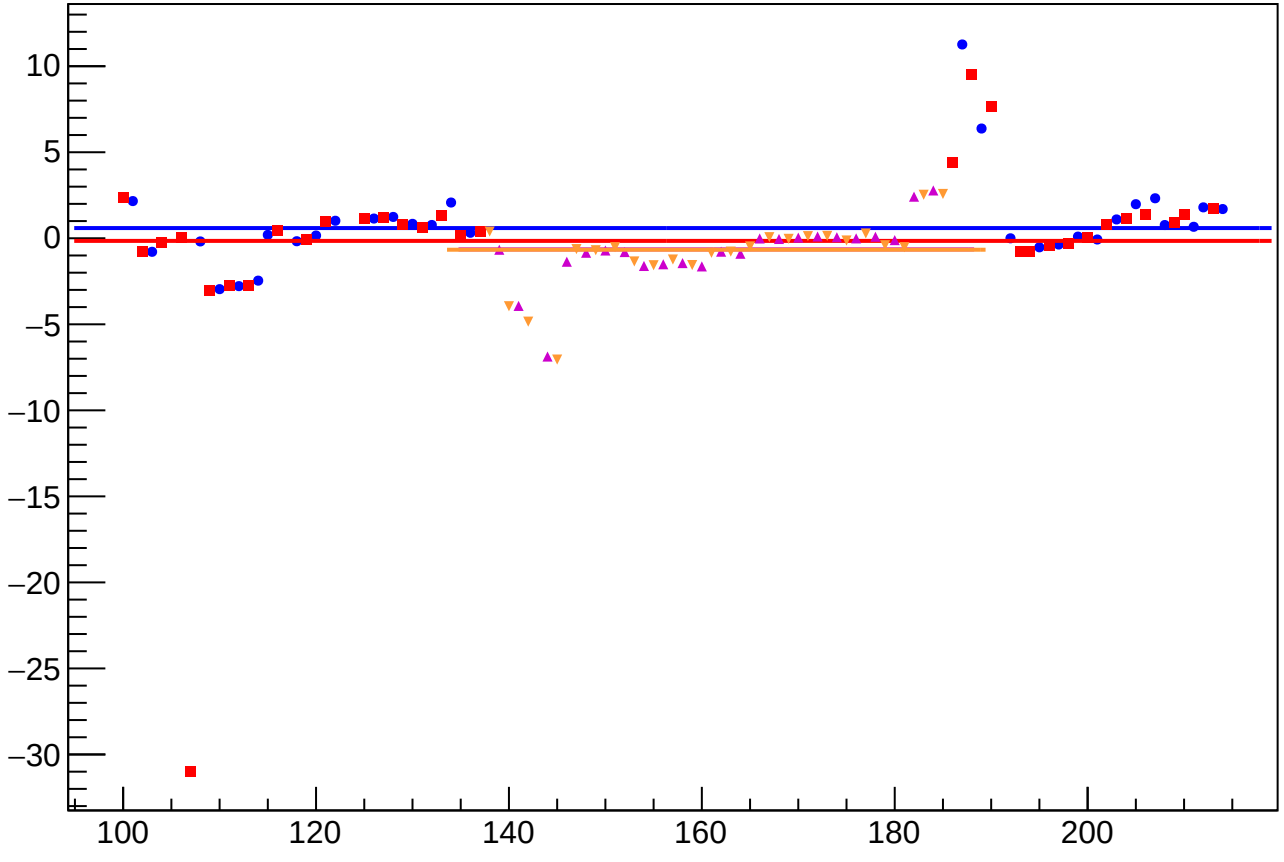
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.711+/-0.150 χ^2/NDF: 1887.4/53

All: -0.616+/-0.107 χ^2/NDF: 3397.6/108

- sign -0.518+/-0.153 χ^2/NDF: 1509.3/54

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.593+/-0.017 χ^2/NDF: 10455.2/29

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.152+/-0.017 χ^2/NDF: 61251.2/31

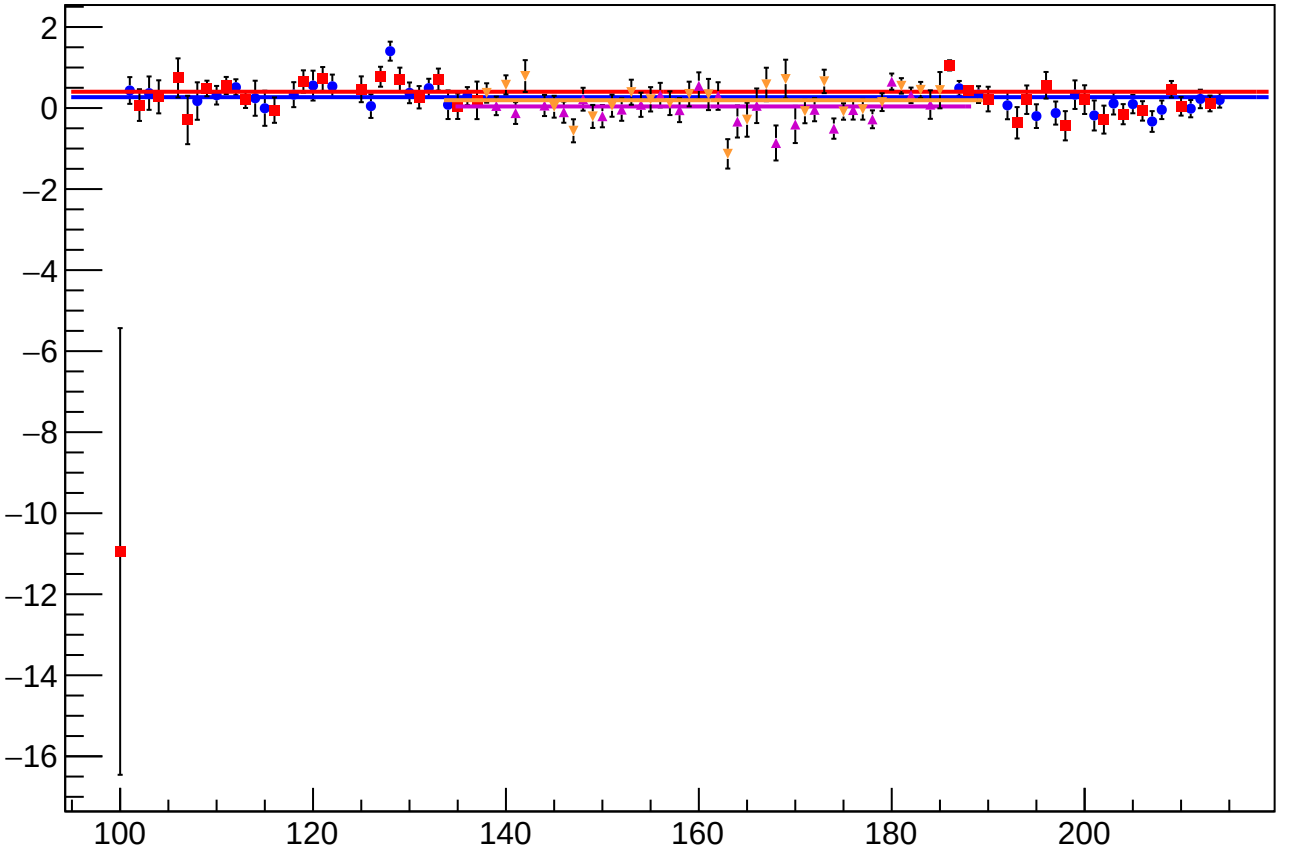
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.455+/-0.007 χ^2/NDF: 70427.0/53

All: -0.510+/-0.005 χ^2/NDF: 178068.1/108

- sign -0.567+/-0.007 χ^2/NDF: 107510.3/54

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.268+/-0.048 χ^2/NDF: 47.3/29

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.402+/-0.044 χ^2/NDF: 73.5/31

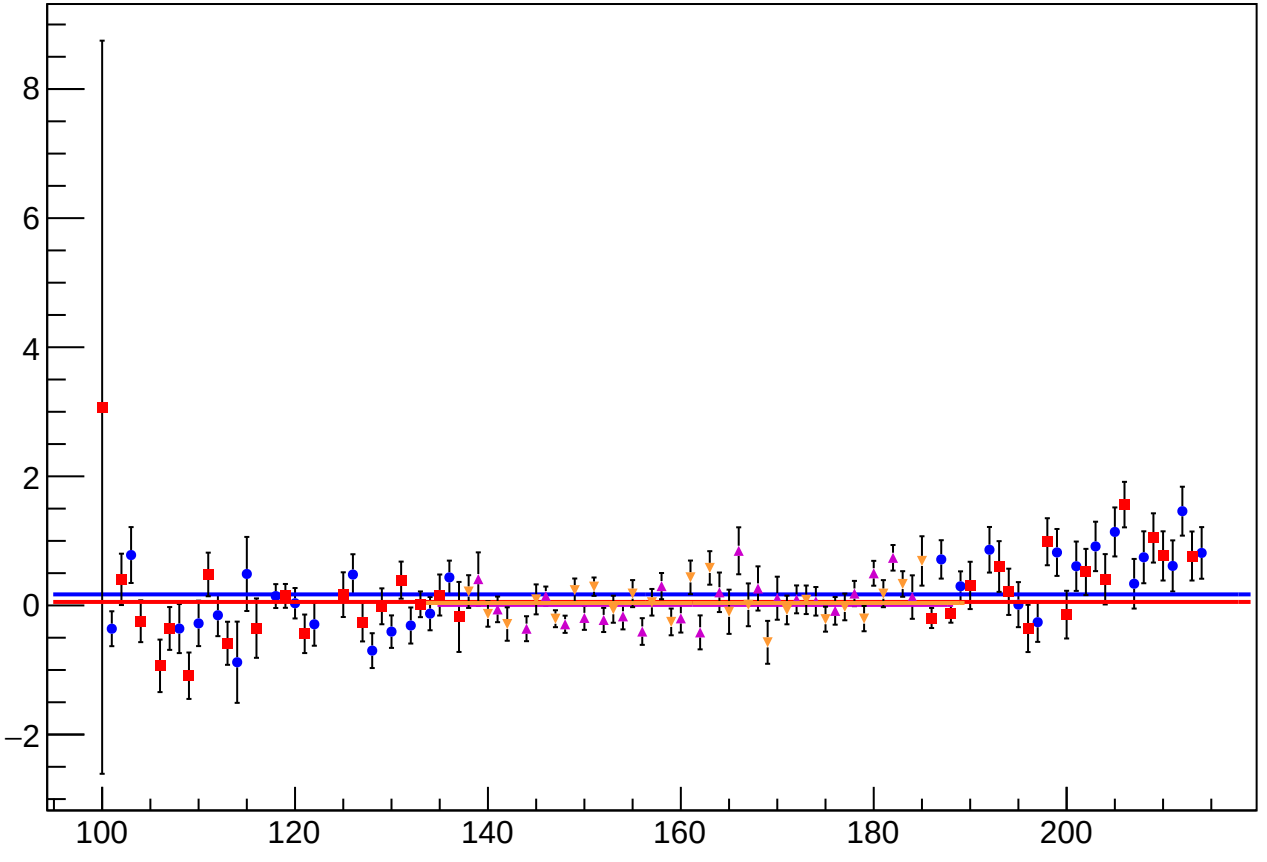
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.237+/-0.037 χ^2/NDF: 92.5/53

All: 0.254+/-0.025 χ^2/NDF: 222.2/108

- sign 0.270+/-0.035 χ^2/NDF: 129.3/54

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.171+/-0.057 χ^2/NDF: 79.8/29

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.054+/-0.053 χ^2/NDF: 80.7/31

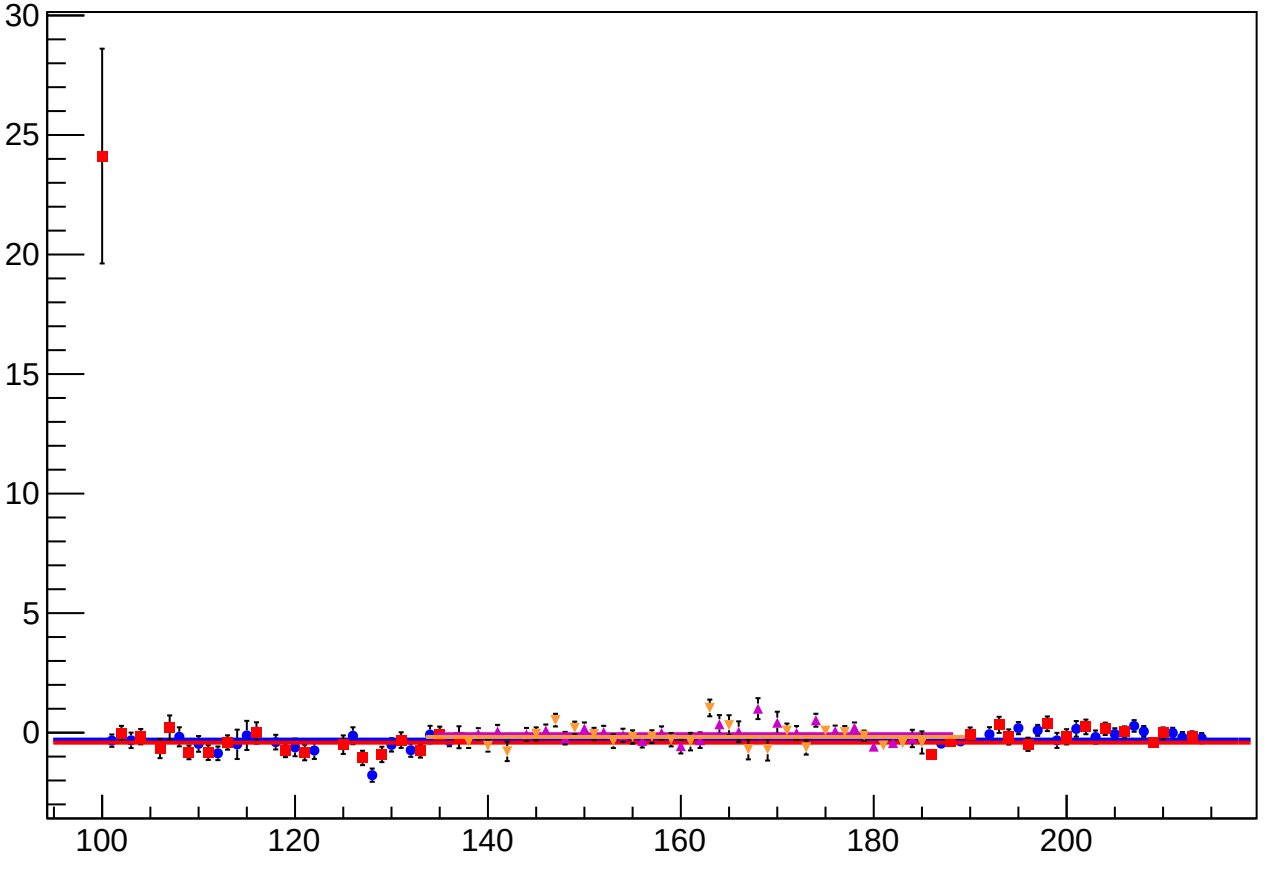
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.086+/-0.035 χ^2/NDF: 116.0/53

All: 0.056+/-0.024 χ^2/NDF: 250.0/108

- sign 0.027+/-0.034 χ^2/NDF: 132.5/54

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.290+/-0.048 χ^2/NDF: 60.8/29

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.418+/-0.042 χ^2/NDF: 105.7/31

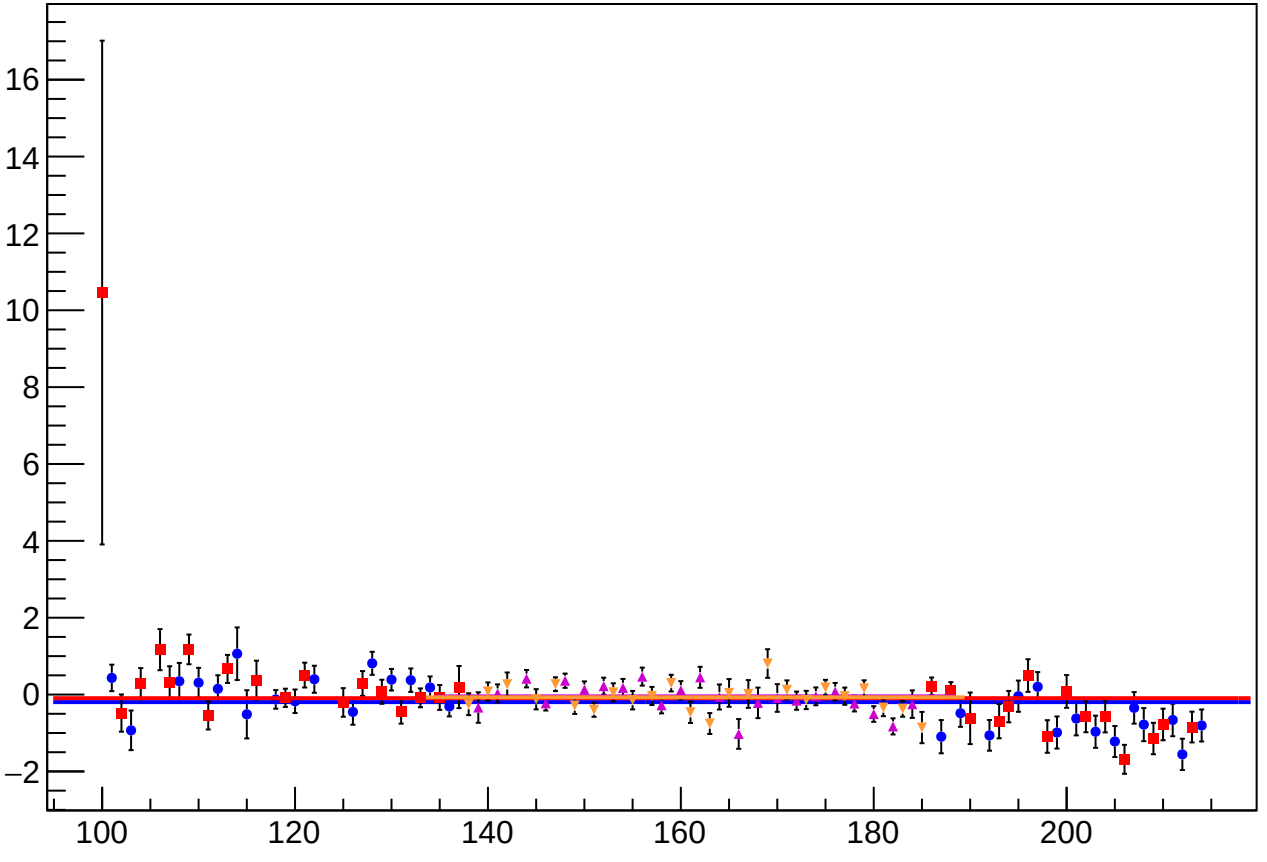
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.243+/-0.037 χ^2/NDF: 105.3/53

All: -0.270+/-0.025 χ^2/NDF: 268.2/108

- sign -0.294+/-0.034 χ^2/NDF: 161.9/54

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.196+/-0.066 χ^2/NDF: 79.4/29

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.094+/-0.064 χ^2/NDF: 81.2/31

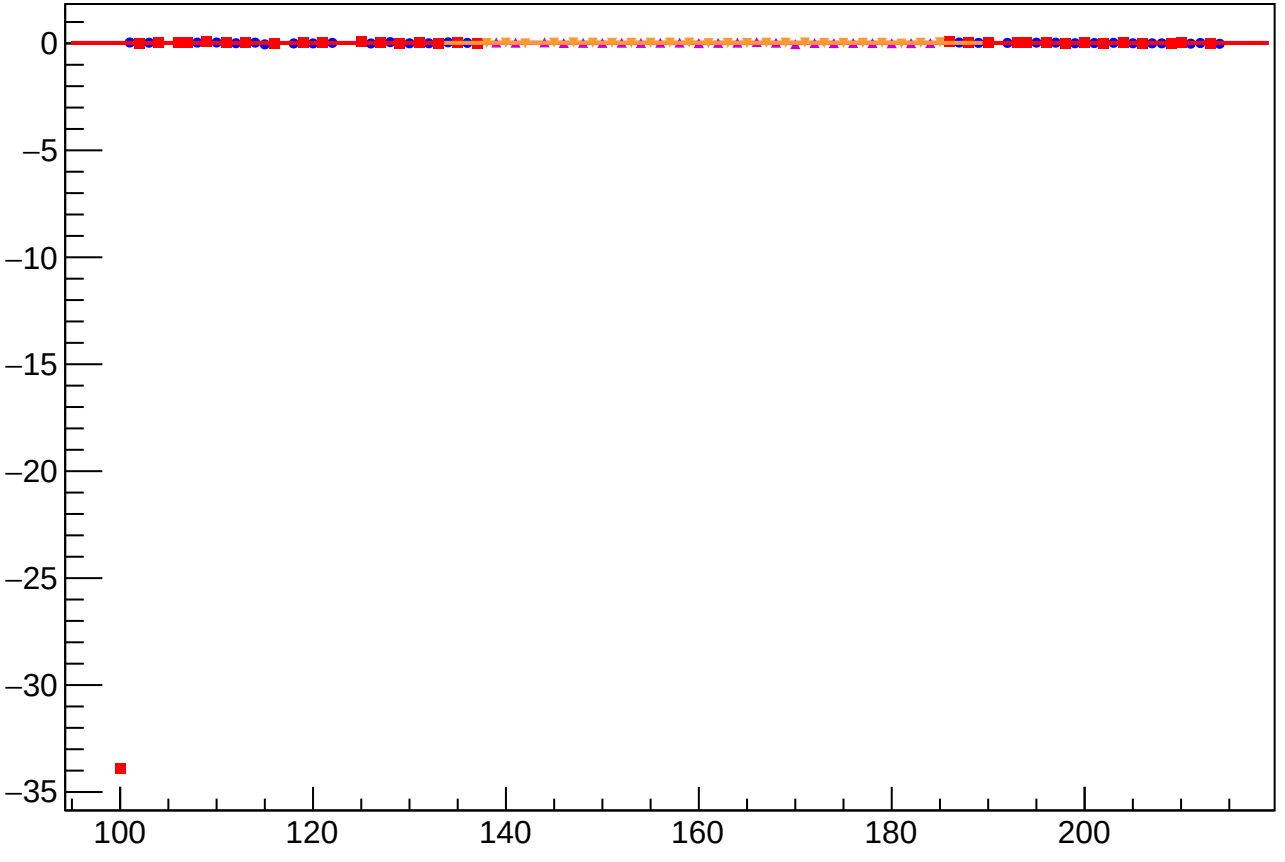
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.116+/-0.040 χ^2/NDF: 119.4/53

All: -0.090+/-0.028 χ^2/NDF: 252.2/108

- sign -0.065+/-0.039 χ^2/NDF: 132.0/54

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.022+/-0.003 χ^2/NDF: 30.0/29

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22317.6/31

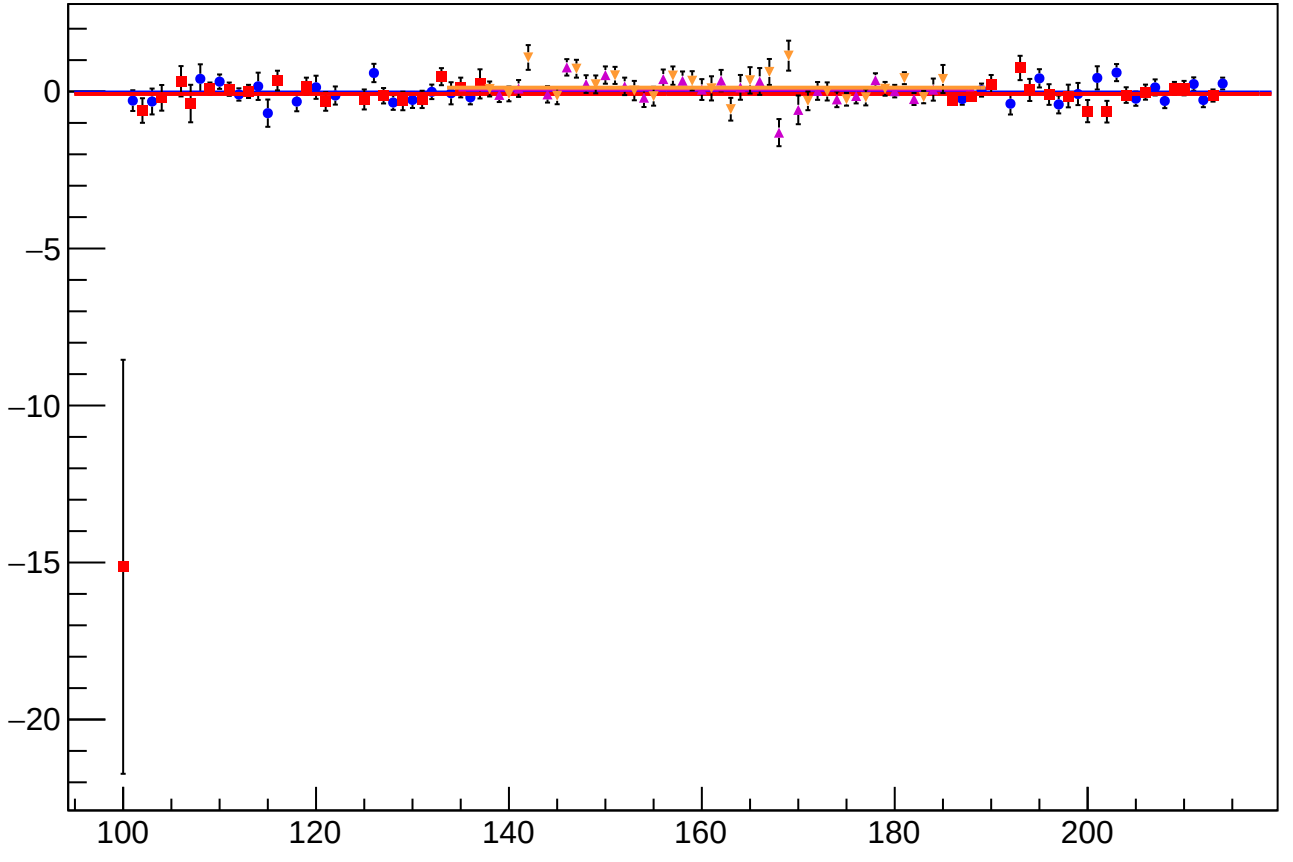
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 62.9/53

All: 0.025+/-0.001 χ^2/NDF: 22421.6/108

- sign 0.025+/-0.002 χ^2/NDF: 22358.7/54

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.032+/-0.048 χ^2/NDF: 37.1/29

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.078+/-0.044 χ^2/NDF: 35.2/31

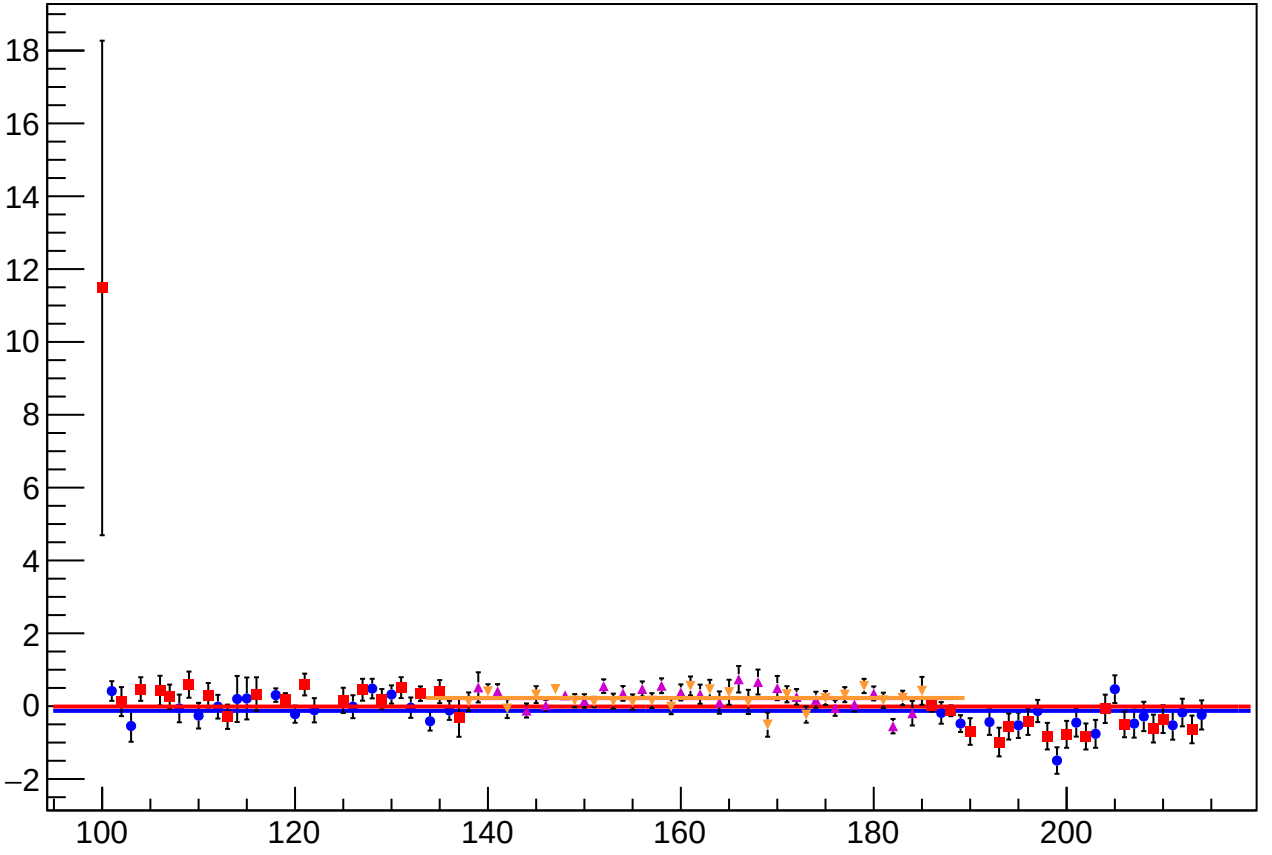
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.037 χ^2/NDF: 80.9/53

All: 0.002+/-0.025 χ^2/NDF: 155.5/108

- sign -0.026+/-0.035 χ^2/NDF: 73.2/54

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.130+/-0.057 χ^2/NDF: 47.7/29

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.011+/-0.053 χ^2/NDF: 64.8/31

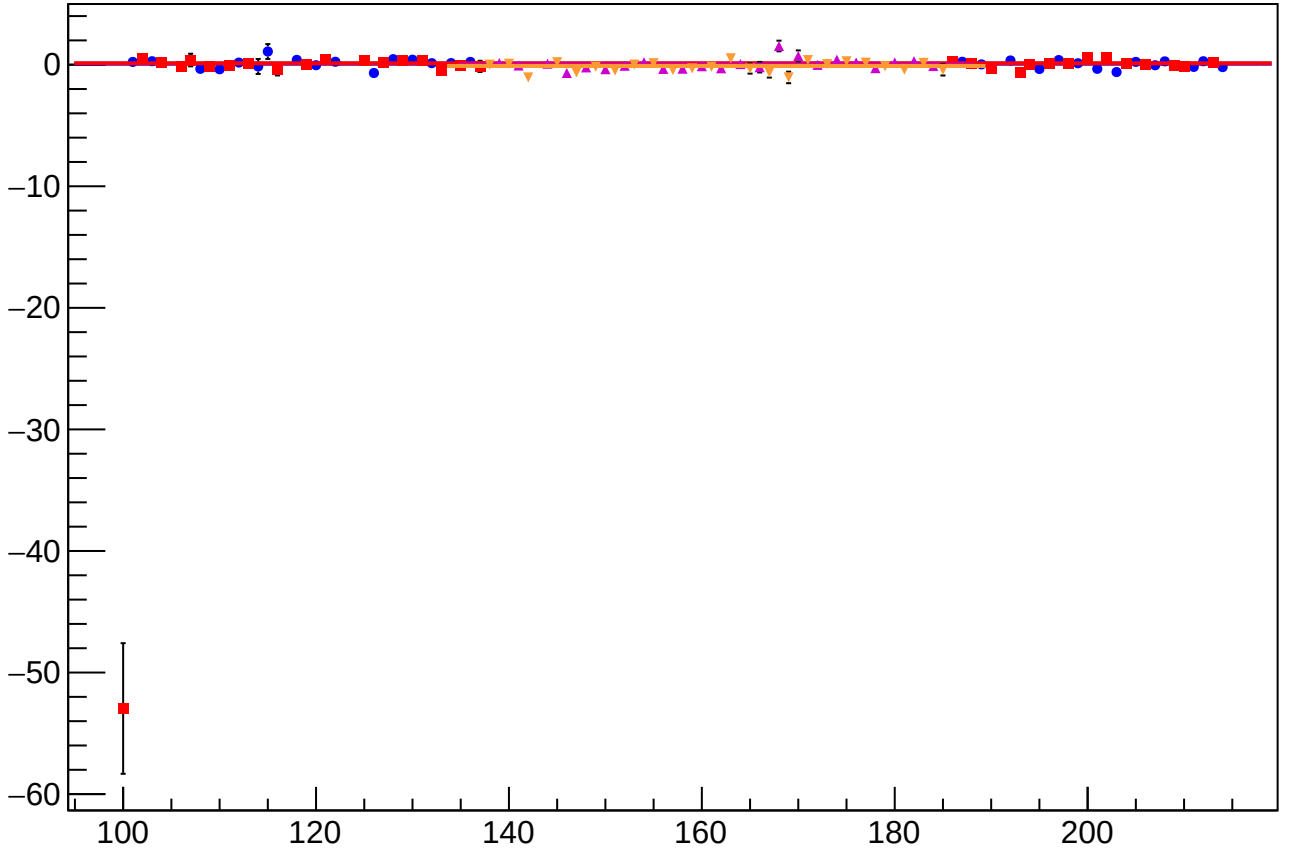
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.096+/-0.035 χ^2/NDF: 96.2/53

All: 0.111+/-0.024 χ^2/NDF: 212.1/108

- sign 0.125+/-0.034 χ^2/NDF: 115.6/54

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.087+/-0.048 χ^2/NDF: 36.4/29

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.115+/-0.042 χ^2/NDF: 124.5/31

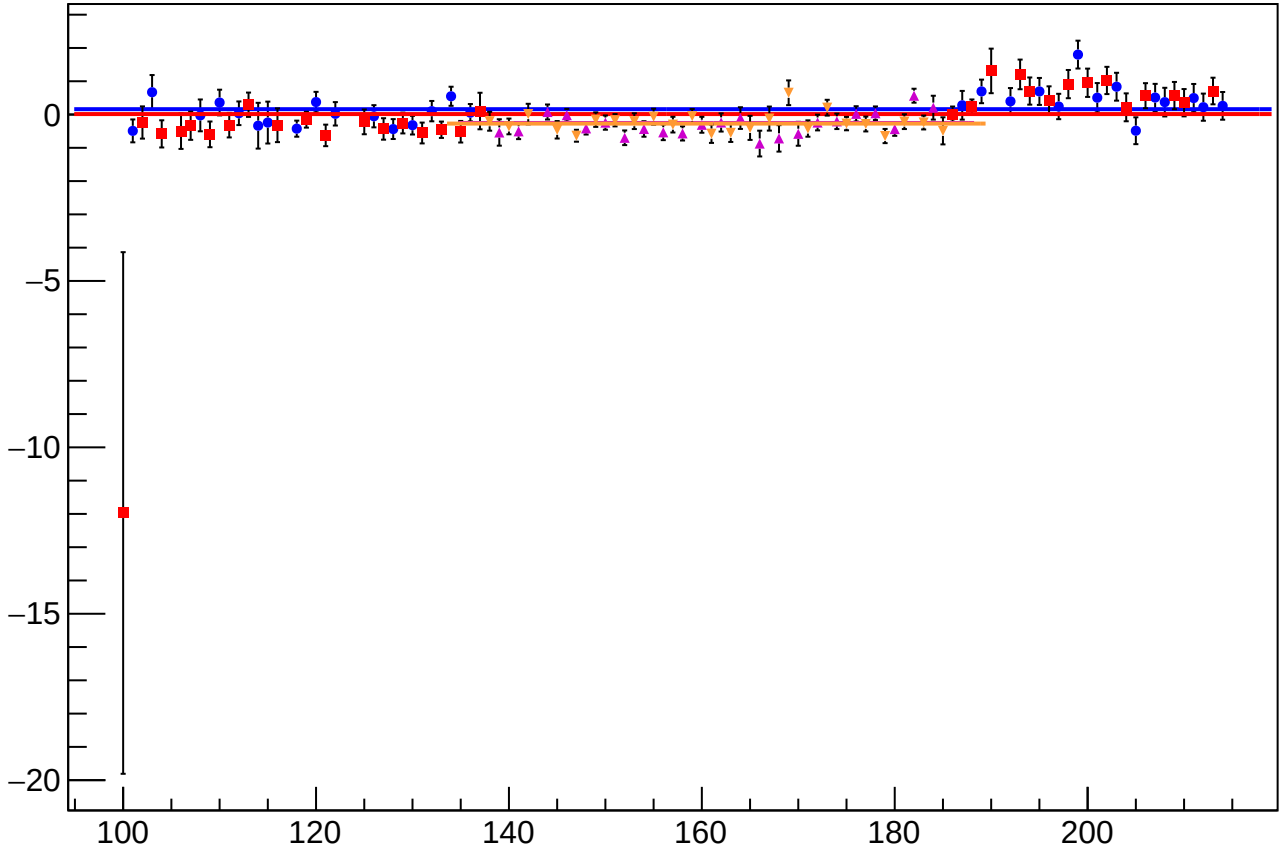
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.006+/-0.037 χ^2/NDF: 80.7/53

All: 0.041+/-0.025 χ^2/NDF: 247.9/108

- sign 0.071+/-0.034 χ^2/NDF: 165.5/54

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.161+/-0.066 χ^2/NDF: 49.2/29

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.014+/-0.064 χ^2/NDF: 66.9/31

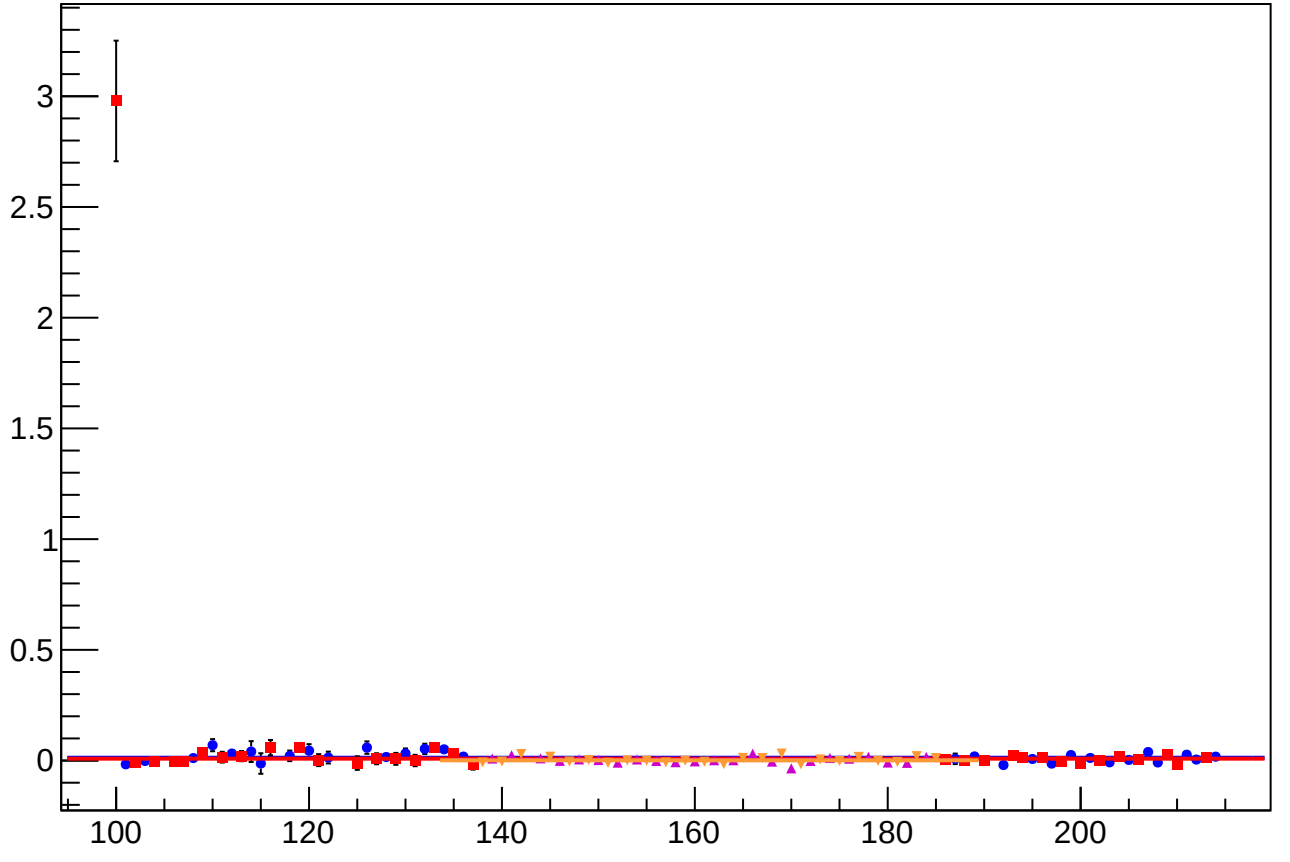
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.118+/-0.040 χ^2/NDF: 101.4/53

All: -0.135+/-0.028 χ^2/NDF: 220.1/108

- sign -0.152+/-0.039 χ^2/NDF: 118.3/54

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.003 χ^2/NDF: 45.1/29

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 152.4/31

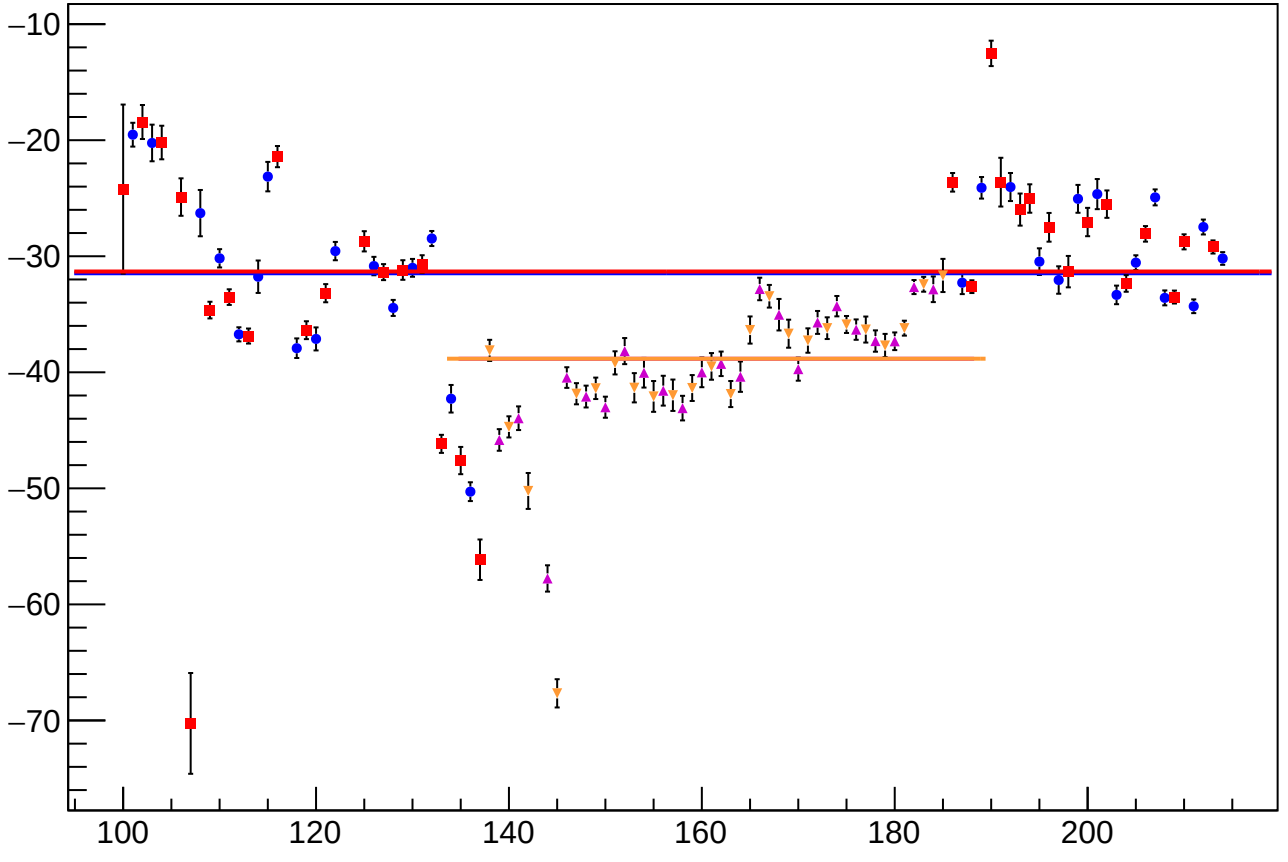
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 80.9/53

All: 0.005+/-0.001 χ^2/NDF: 260.9/108

- sign 0.005+/-0.002 χ^2/NDF: 179.9/54

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.465+/-0.151 χ^2/NDF: 1407.5/29

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.315+/-0.150 χ^2/NDF: 1838.1/32

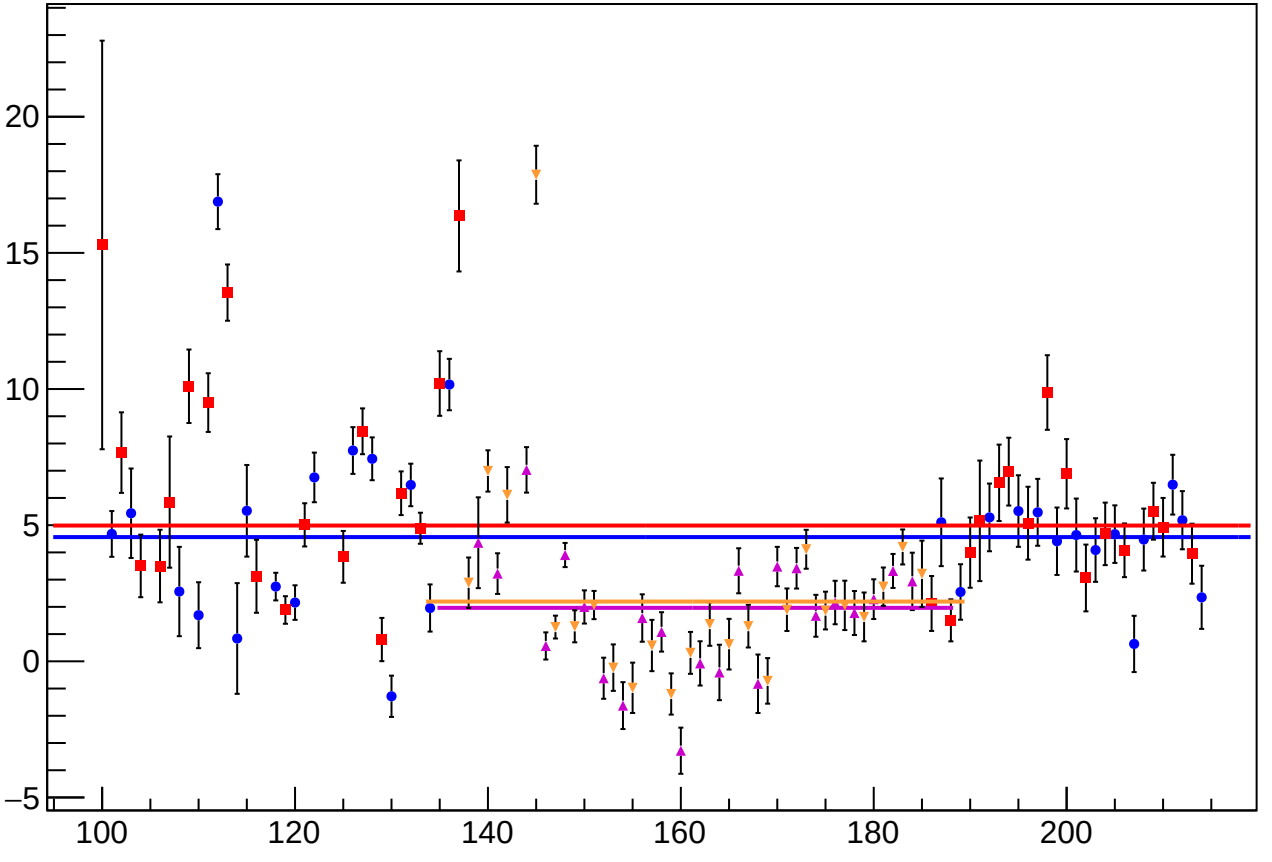
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -34.103+/-0.121 χ^2/NDF: 3177.0/53

All: -34.038+/-0.085 χ^2/NDF: 6553.7/109

- sign -33.972+/-0.121 χ^2/NDF: 3376.1/55

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.562+/-0.179 χ^2/NDF: 357.3/29

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.987+/-0.178 χ^2/NDF: 299.2/32

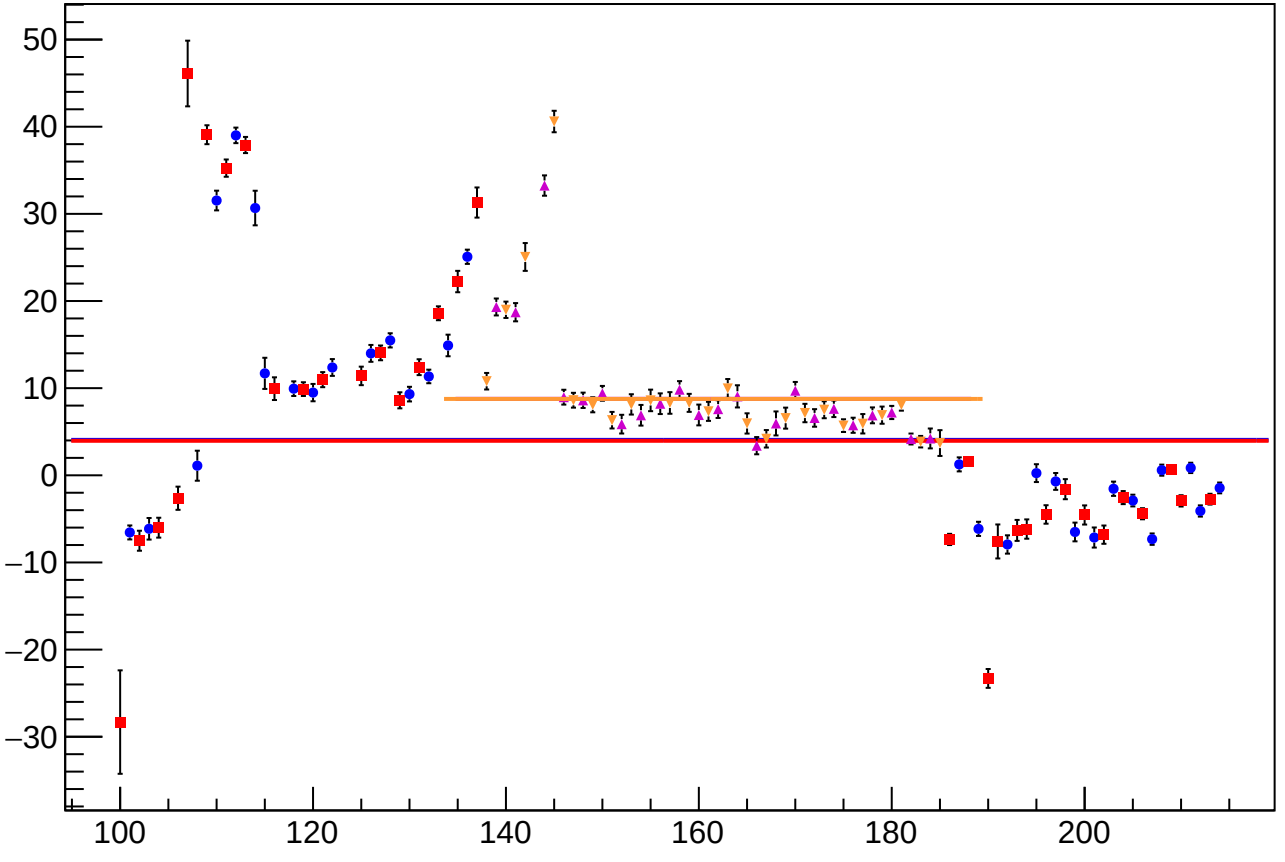
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.185+/-0.116 χ^2/NDF: 823.6/53

All: 3.223+/-0.082 χ^2/NDF: 1460.1/109

- sign 3.262+/-0.117 χ^2/NDF: 636.2/55

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 4.065+/-0.157 χ^2/NDF: 5171.8/29

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.962+/-0.155 χ^2/NDF: 6923.5/32

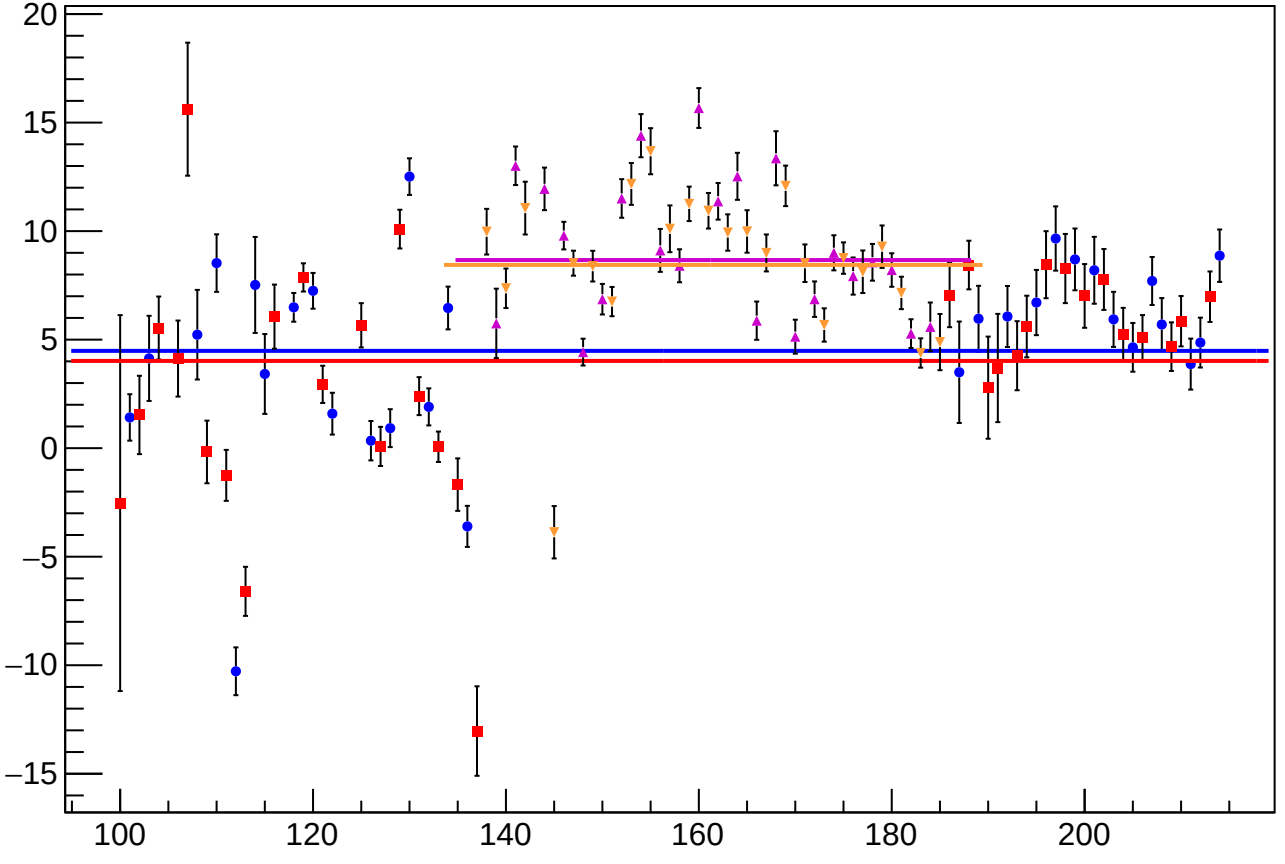
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 5.857+/-0.124 χ^2/NDF: 6547.3/53

All: 5.801+/-0.087 χ^2/NDF: 14625.0/109

- sign 5.746+/-0.123 χ^2/NDF: 8077.3/55

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.483+/-0.206 χ^2/NDF: 499.1/29

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.020+/-0.207 χ^2/NDF: 426.4/32

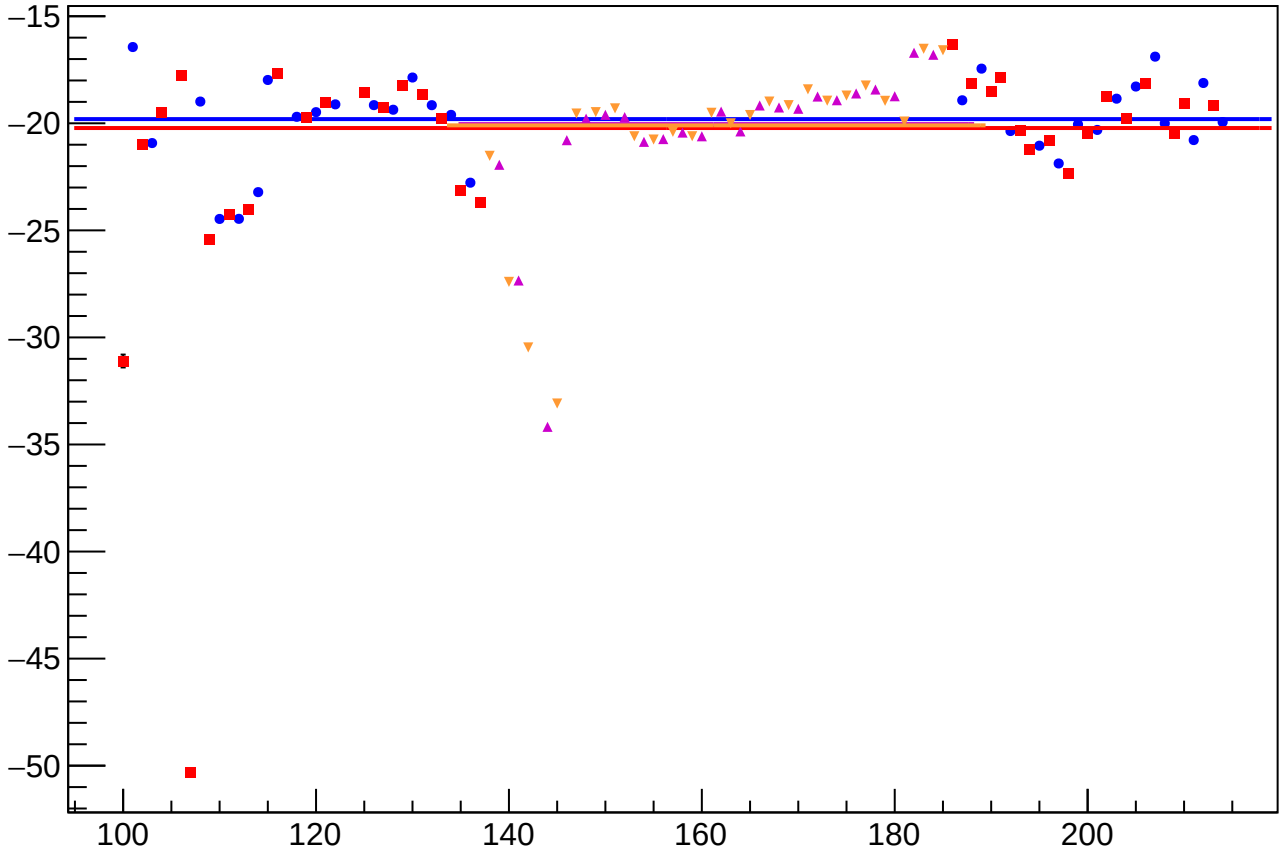
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.799+/-0.133 χ^2/NDF: 979.3/53

All: 6.763+/-0.094 χ^2/NDF: 2002.8/109

- sign 6.726+/-0.134 χ^2/NDF: 1023.4/55

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.804+/-0.010 χ^2/NDF: 32387.5/29

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.221+/-0.010 χ^2/NDF: 72376.3/32

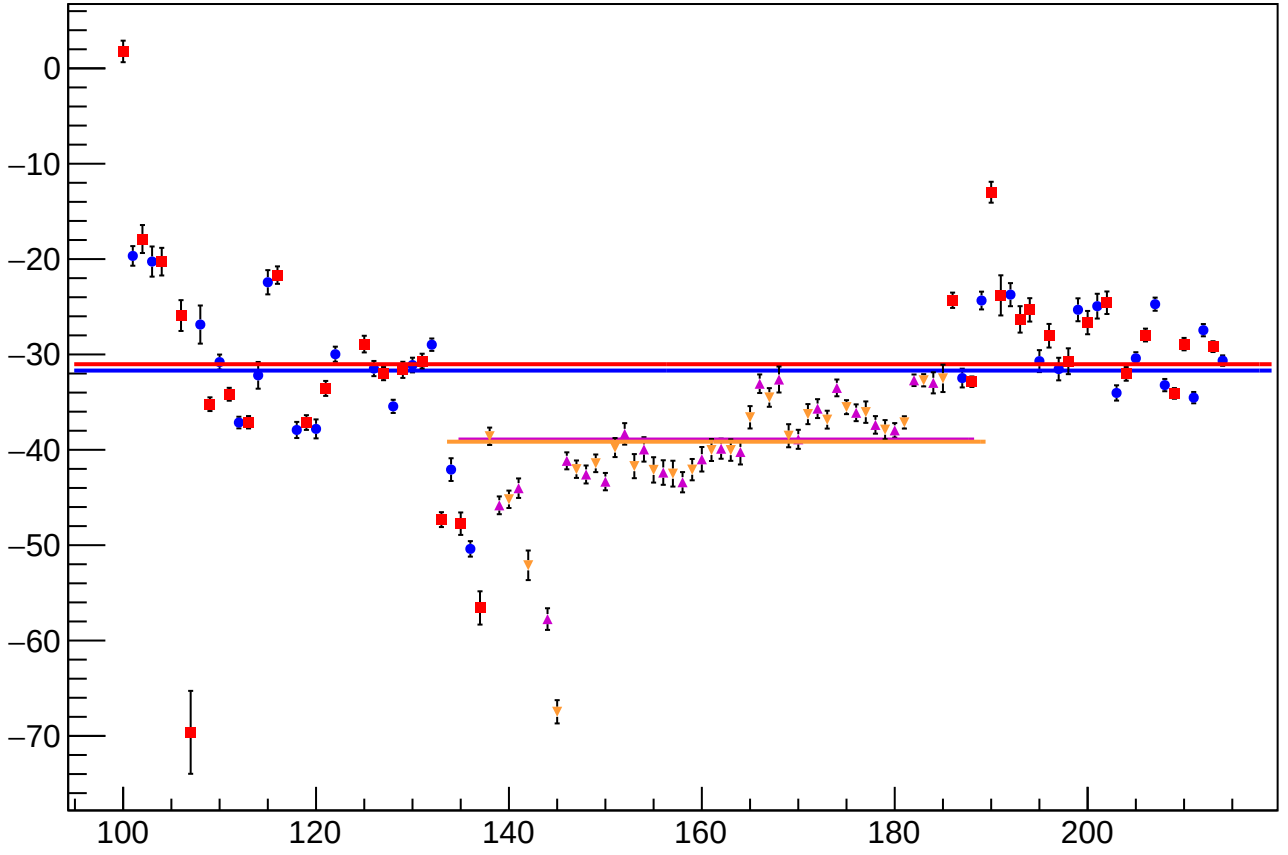
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.987+/-0.006 χ^2/NDF: 192187.8/53

All: -20.047+/-0.004 χ^2/NDF: 397239.8/109

- sign -20.106+/-0.006 χ^2/NDF: 204870.6/55

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.691+/-0.151 χ^2/NDF: 1431.4/29

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.024+/-0.149 χ^2/NDF: 2770.2/32

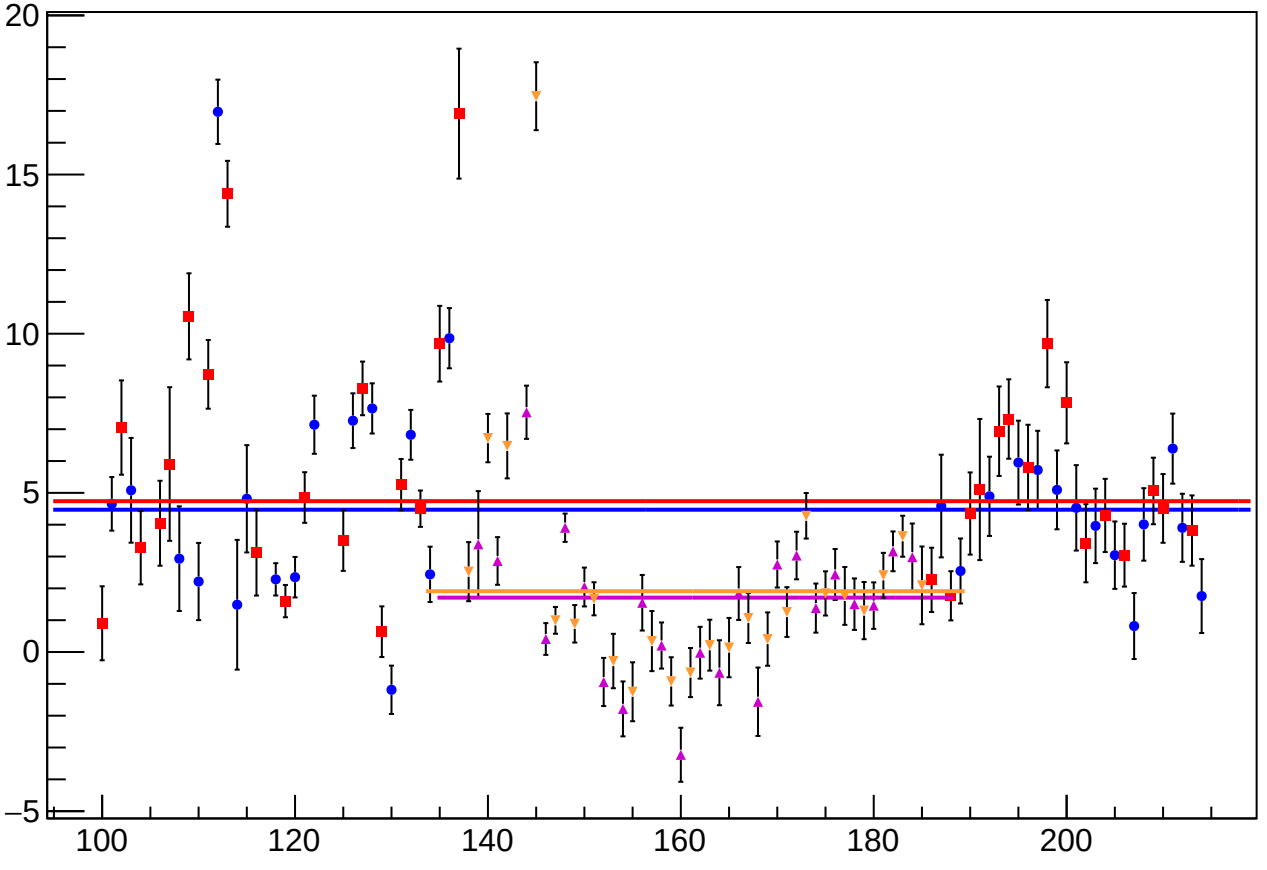
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -34.362+/-0.121 χ^2/NDF: 3201.0/53

All: -34.070+/-0.085 χ^2/NDF: 7644.6/109

- sign -33.782+/-0.120 χ^2/NDF: 4432.0/55

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.471+/-0.180 χ^2/NDF: 356.9/29

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.739+/-0.177 χ^2/NDF: 325.8/32

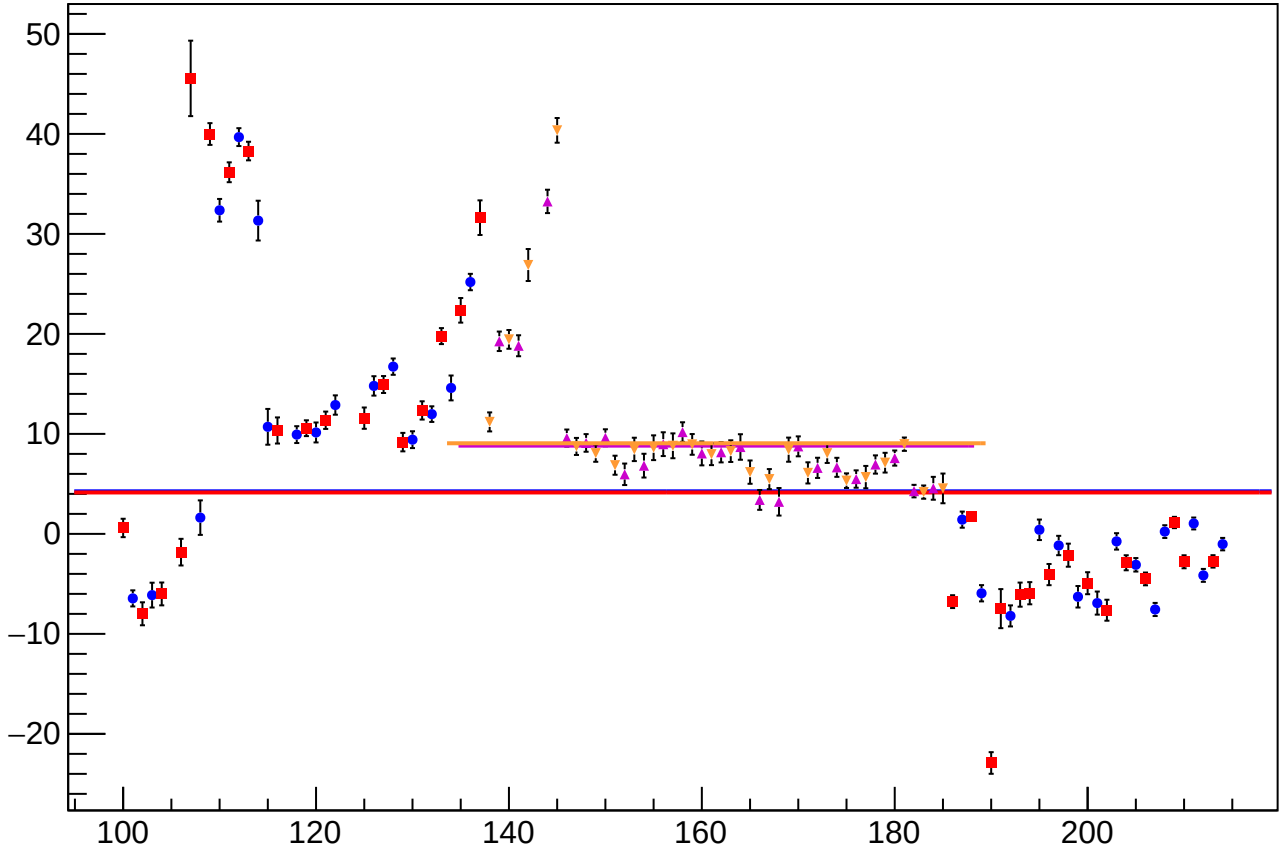
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.981+/-0.116 χ^2/NDF: 834.2/53

All: 3.004+/-0.082 χ^2/NDF: 1508.9/109

- sign 3.027+/-0.117 χ^2/NDF: 674.7/55

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 4.257+/-0.158 χ^2/NDF: 5339.1/29

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 4.142+/-0.153 χ^2/NDF: 7105.2/32

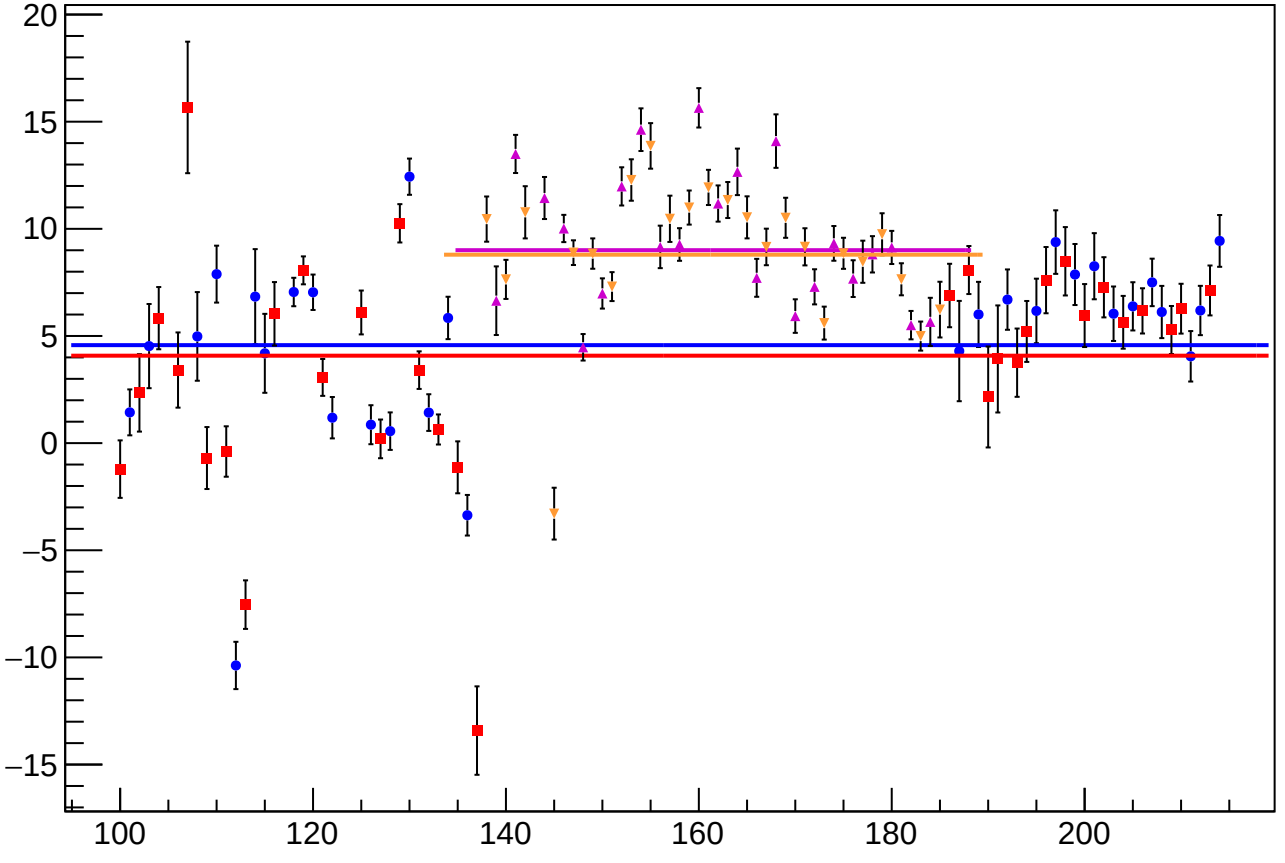
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 6.089+/-0.124 χ^2/NDF: 6726.5/53

All: 5.967+/-0.087 χ^2/NDF: 14977.3/109

- sign 5.848+/-0.122 χ^2/NDF: 8248.9/55

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.572+/-0.206 χ^2/NDF: 500.9/29

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.080+/-0.206 χ^2/NDF: 442.7/32

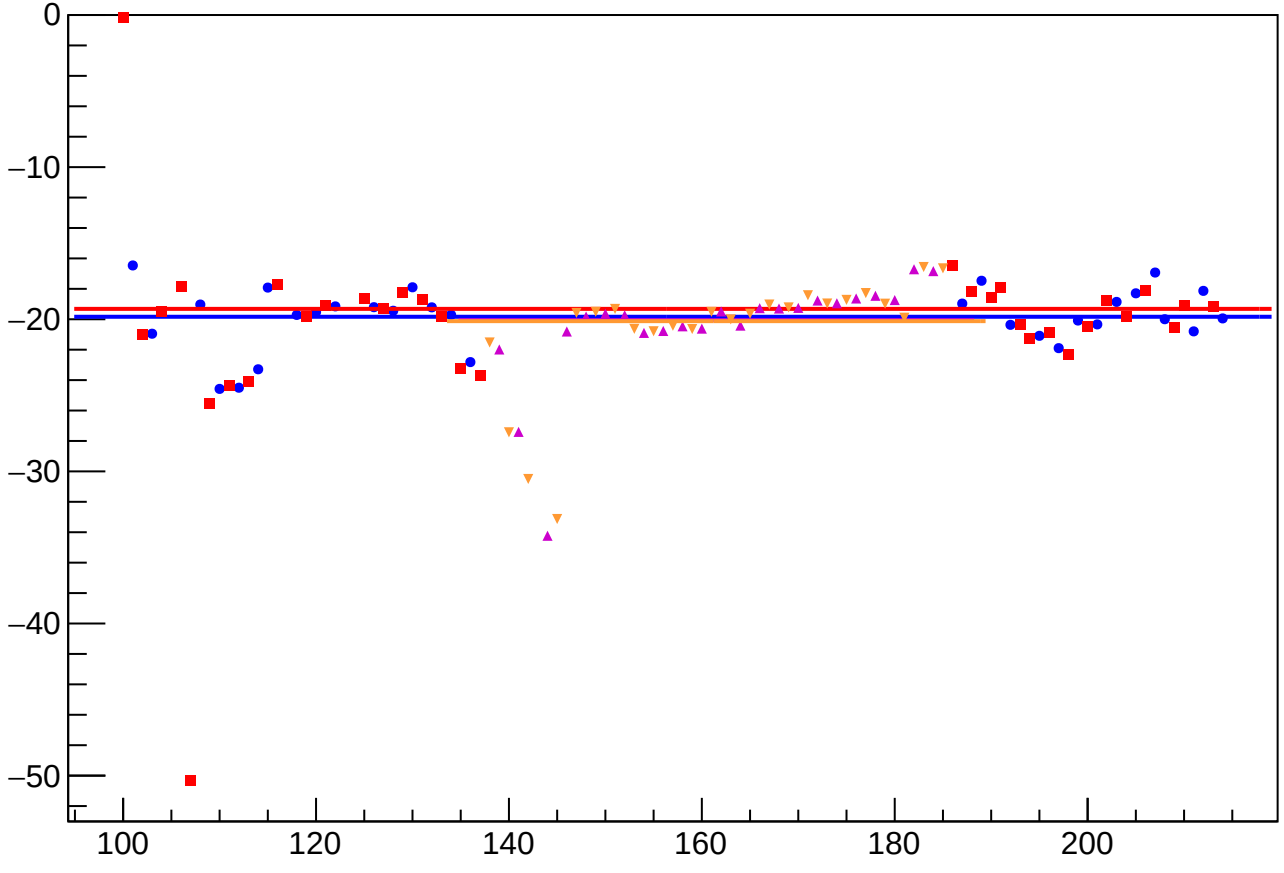
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.042+/-0.133 χ^2/NDF: 989.5/53

All: 6.981+/-0.094 χ^2/NDF: 2053.4/109

- sign 6.921+/-0.134 χ^2/NDF: 1063.5/55

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.836+/-0.010 χ^2/NDF: 32401.4/29

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.317+/-0.010 χ^2/NDF: 248098.7/32

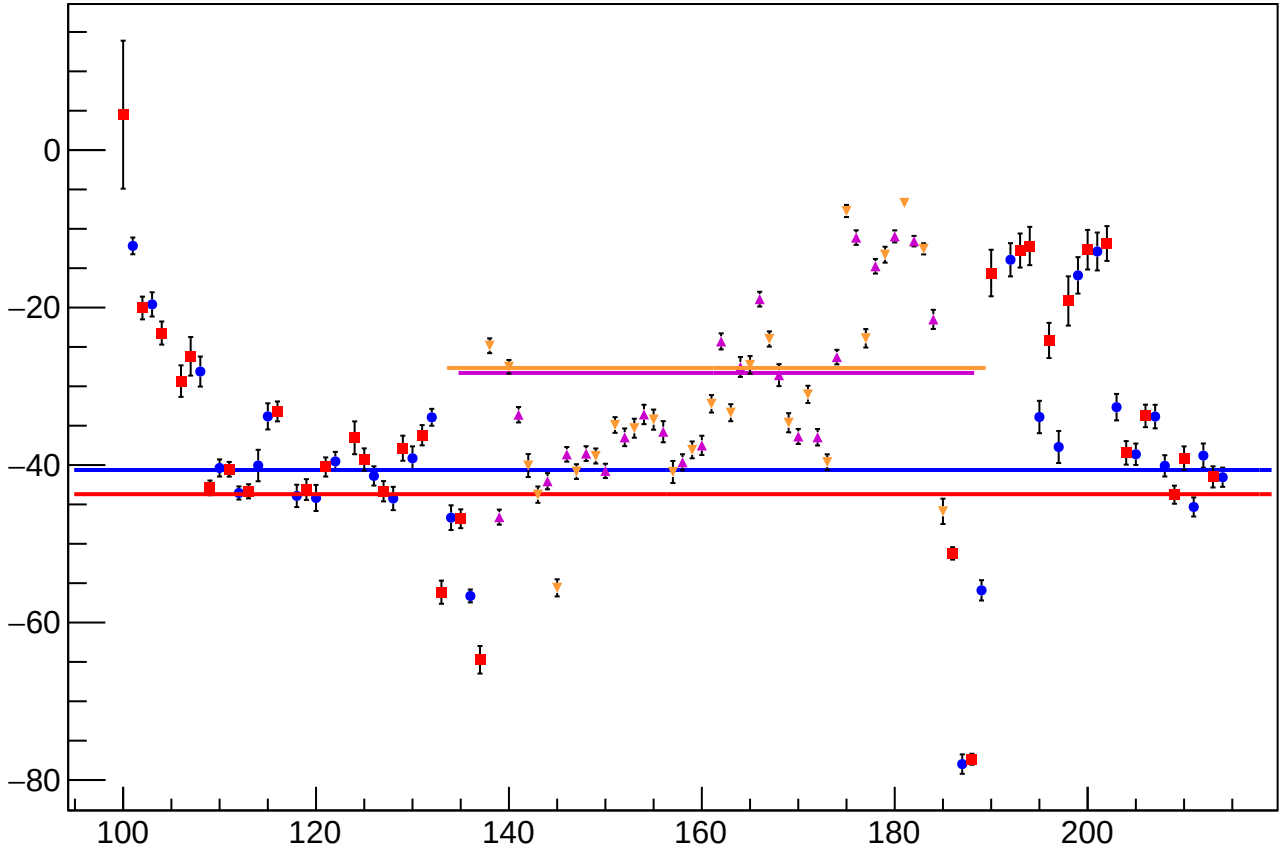
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.016+/-0.006 χ^2/NDF: 191470.0/53

All: -19.894+/-0.004 χ^2/NDF: 576424.7/109

- sign -19.776+/-0.006 χ^2/NDF: 384215.0/55

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.628+/-0.247 χ^2/NDF: 2967.7/29

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.699+/-0.235 χ^2/NDF: 4438.1/32

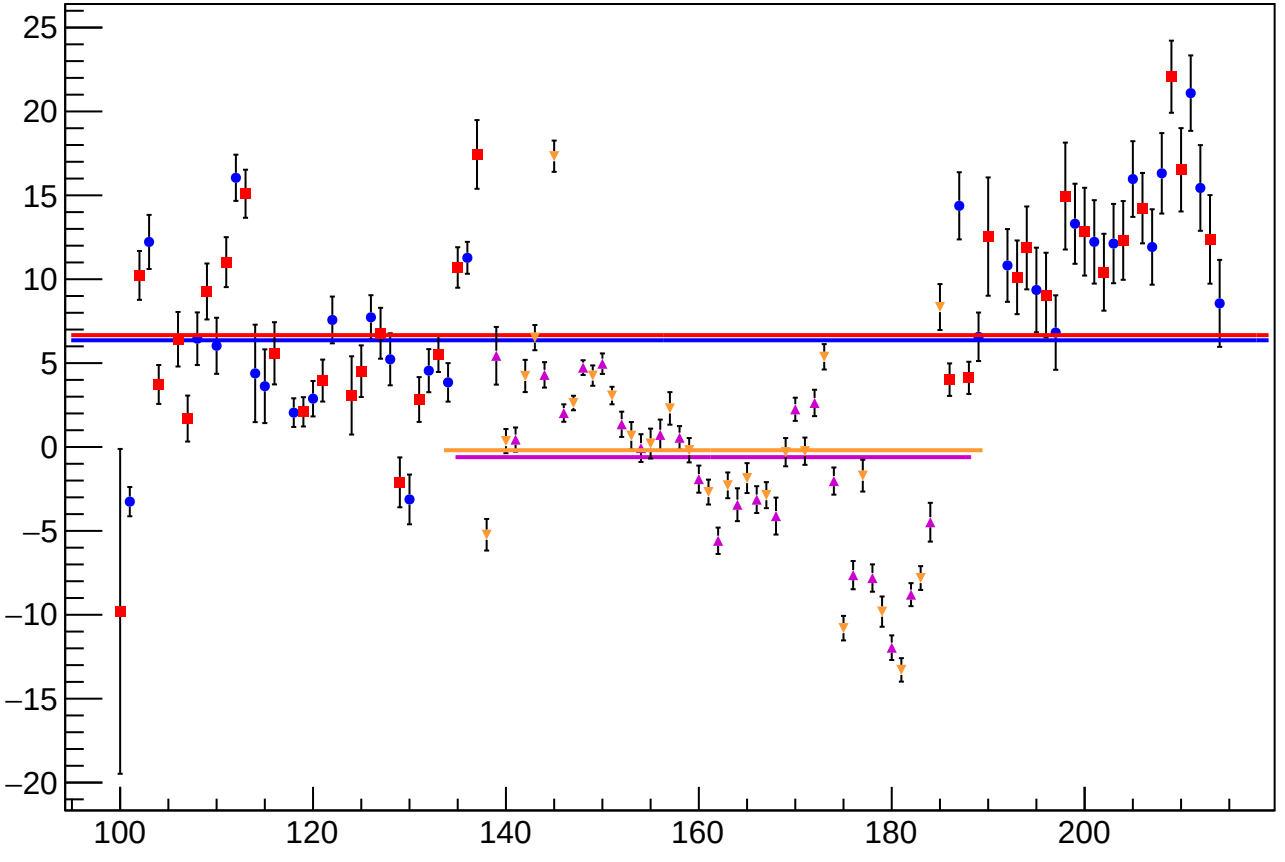
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

\+ sign -32.806+/-0.156 χ^2/NDF: 9021.7/54

All: -33.907+/-0.110 χ^2/NDF: 19265.5/110

\- sign -34.993+/-0.155 χ^2/NDF: 10144.6/55

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.361+/-0.278 χ^2/NDF: 439.4/29

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.667+/-0.271 χ^2/NDF: 324.6/32

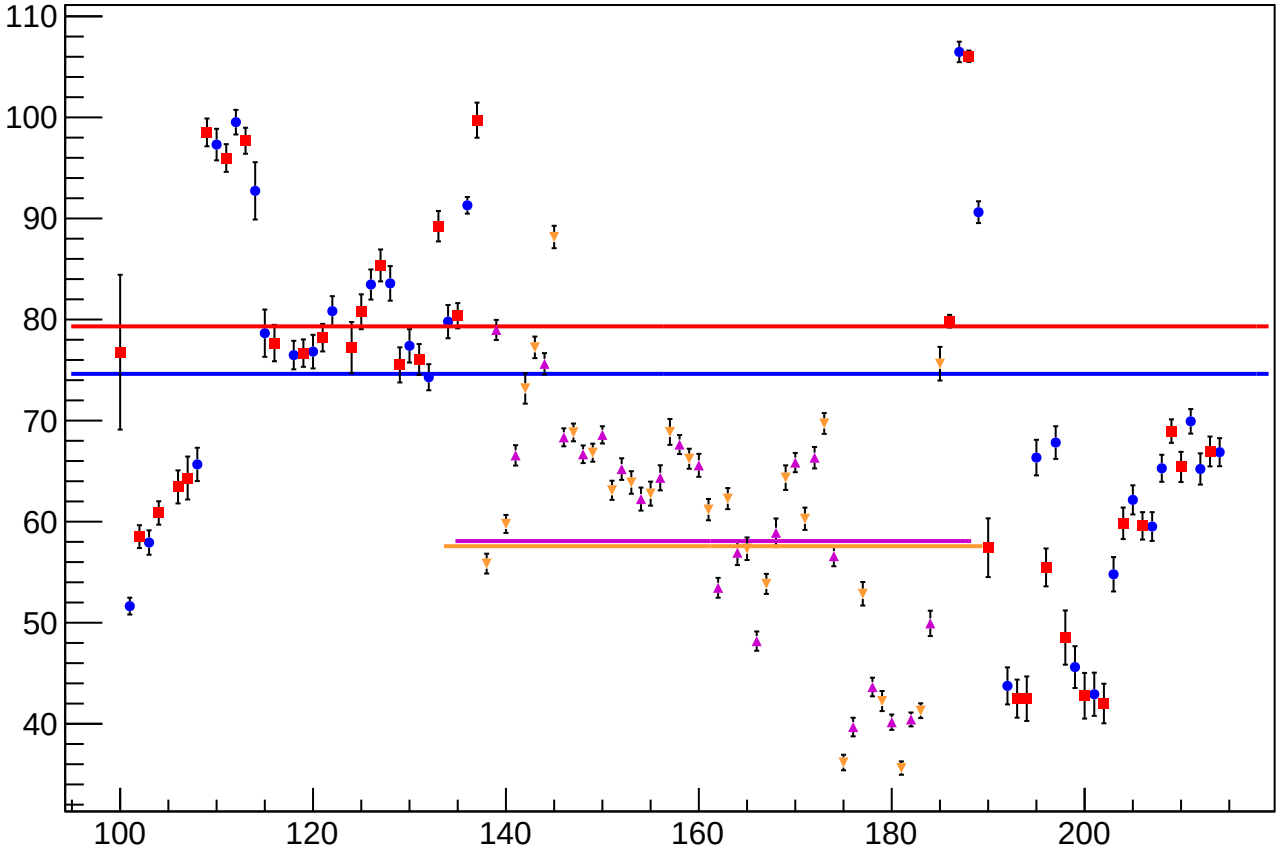
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.284+/-0.132 χ^2/NDF: 2414.0/54

All: 1.240+/-0.094 χ^2/NDF: 4257.1/110

- sign 1.195+/-0.135 χ^2/NDF: 1842.9/55

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 74.625+/-0.253 χ^2/NDF: 4564.3/29

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 79.323+/-0.235 χ^2/NDF: 6027.7/32

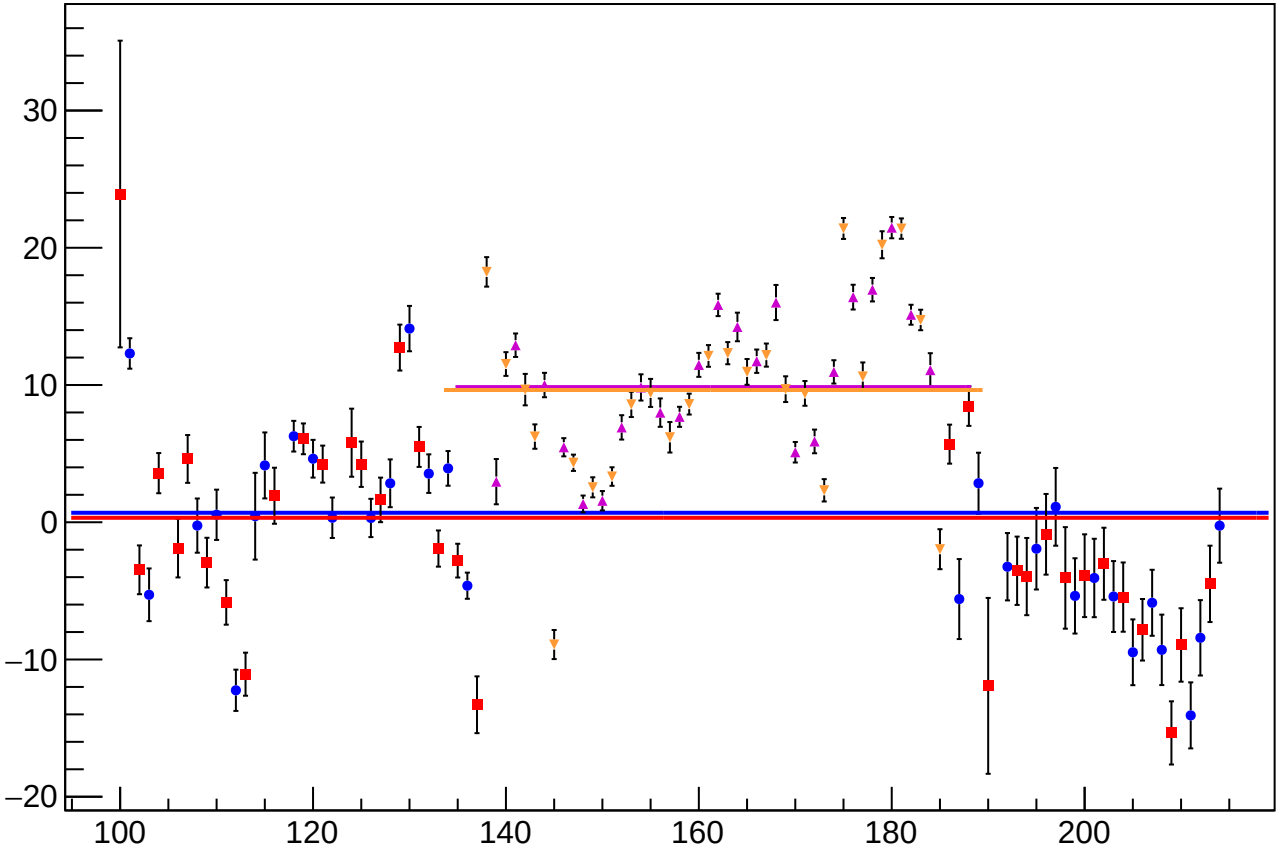
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.083+/-0.156 χ^2/NDF: 12053.6/54

All: 65.656+/-0.110 χ^2/NDF: 26506.7/110

- sign 67.177+/-0.154 χ^2/NDF: 14254.3/55

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.691+/-0.322 χ^2/NDF: 449.5/29

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.326+/-0.320 χ^2/NDF: 397.6/32

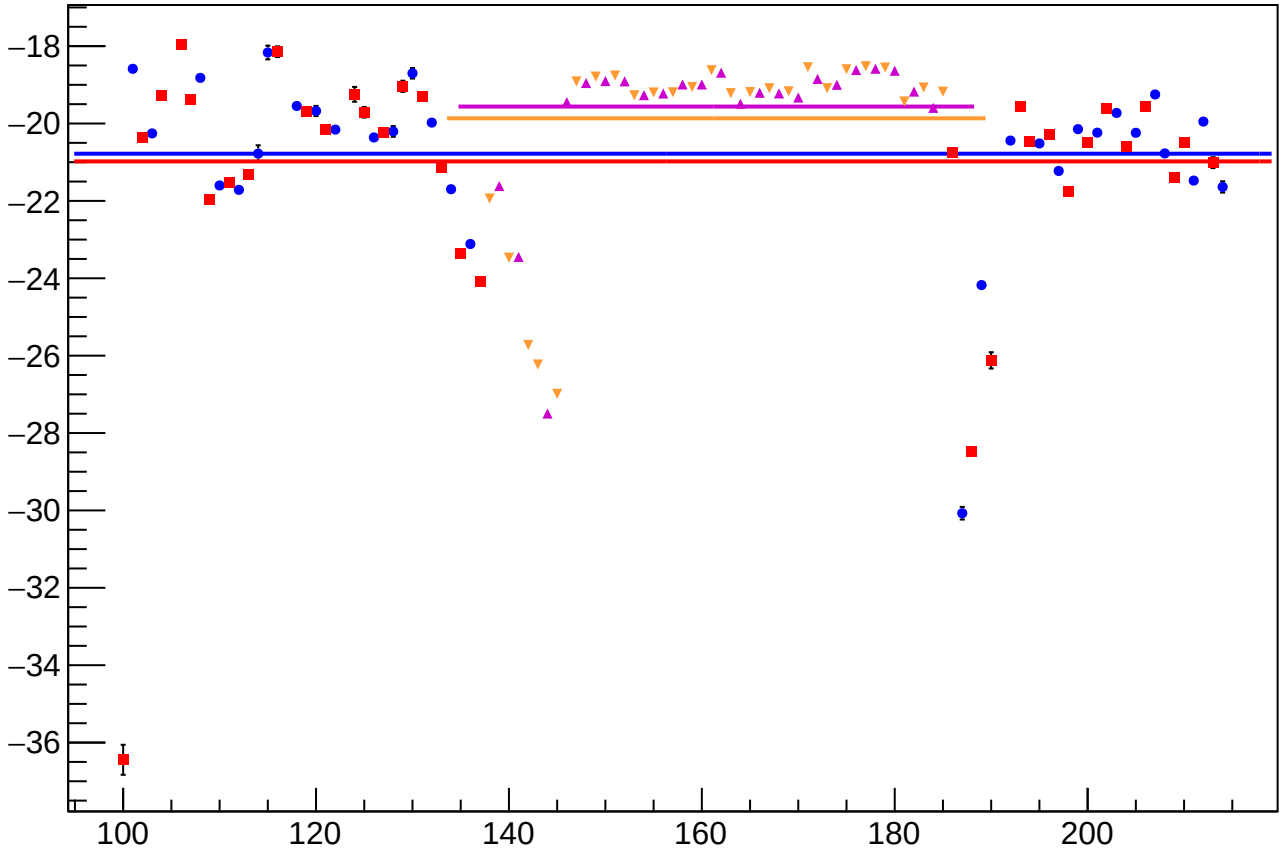
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.659+/-0.151 χ^2/NDF: 2543.0/54

All: 7.645+/-0.108 χ^2/NDF: 4613.1/110

- sign 7.631+/-0.154 χ^2/NDF: 2070.1/55

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.781+/-0.016 χ^2/NDF: 12652.4/29

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.979+/-0.016 χ^2/NDF: 20701.5/32

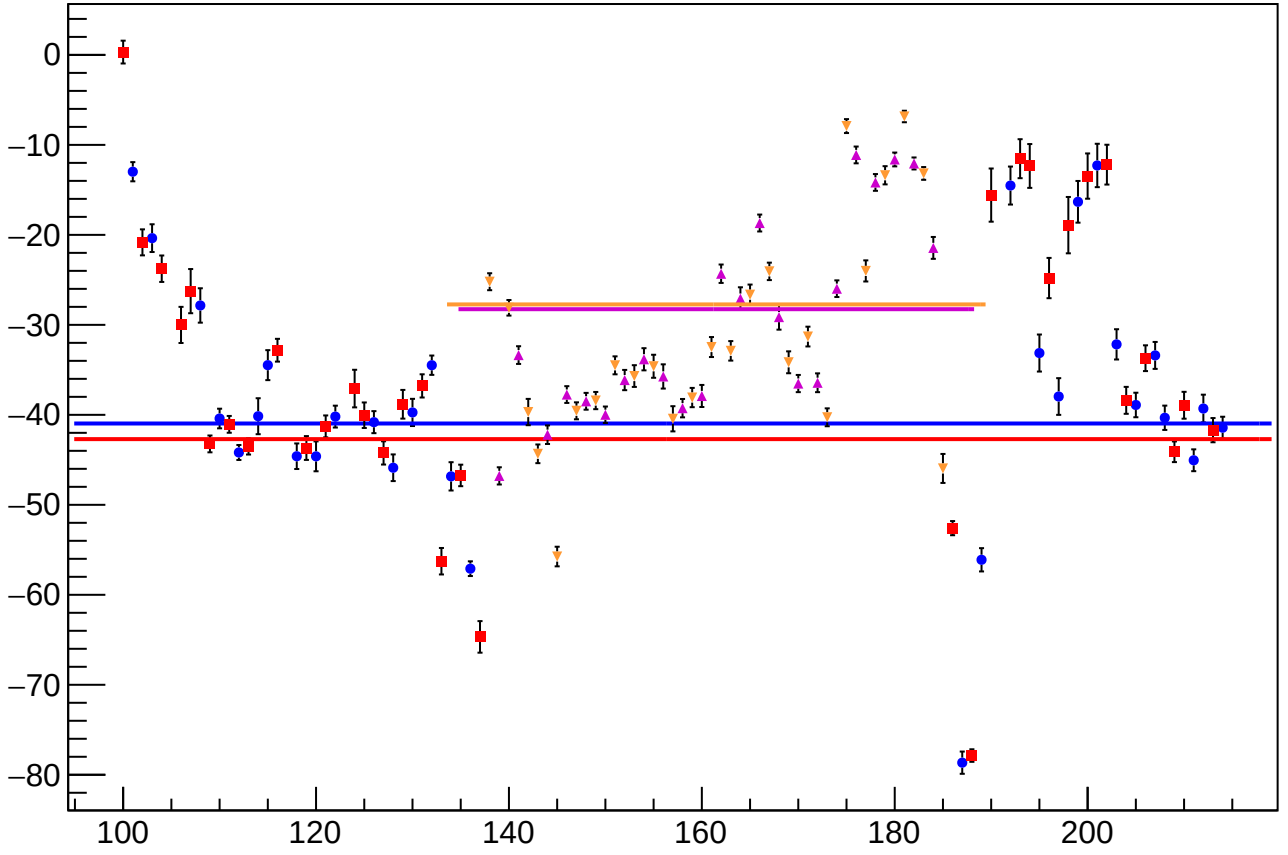
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.050+/-0.007 χ^2/NDF: 94269.2/54

All: -19.950+/-0.005 χ^2/NDF: 166955.4/110

- sign -19.847+/-0.007 χ^2/NDF: 72274.9/55

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.963+/-0.248 χ^2/NDF: 2971.8/29

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.699+/-0.231 χ^2/NDF: 5645.6/32

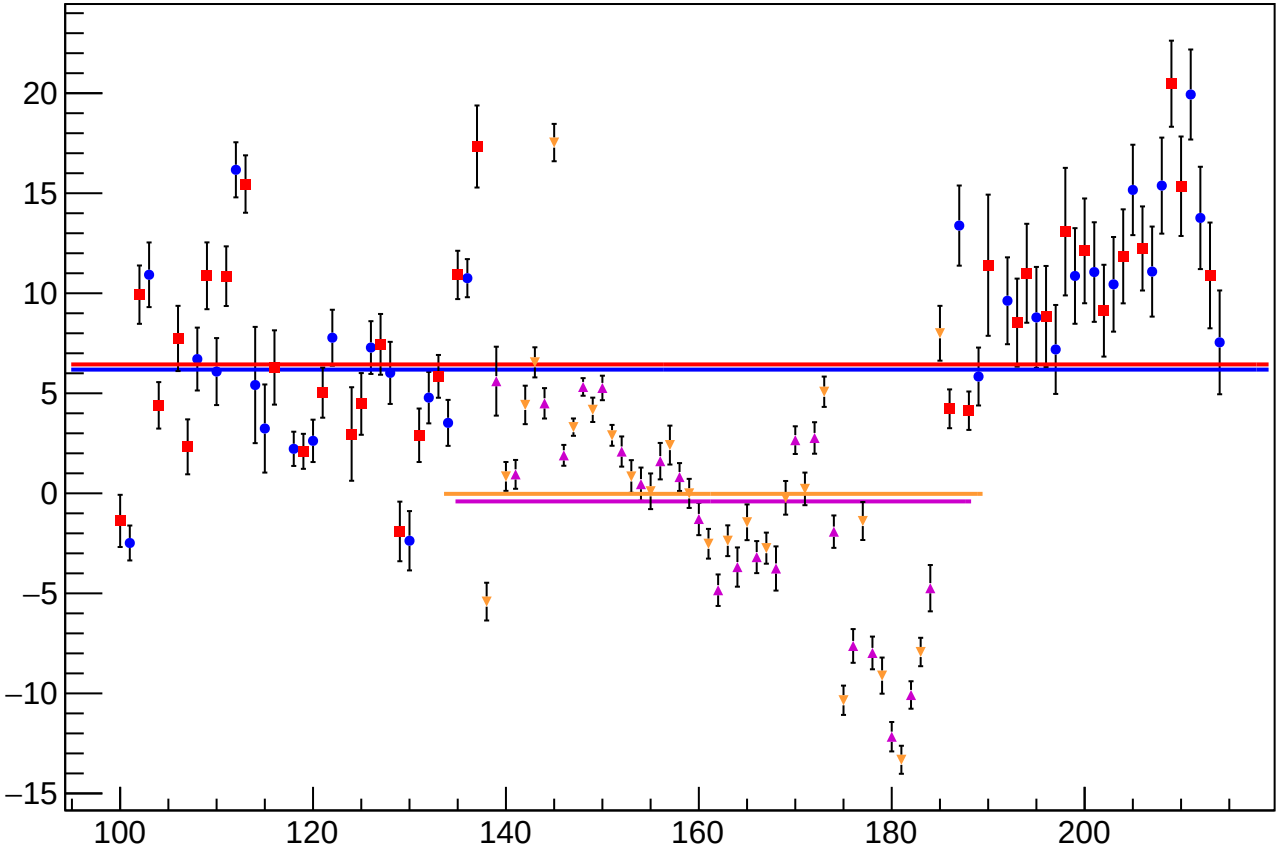
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

\+ sign -32.976+/-0.156 χ^2/NDF: 8994.4/54

All: -33.828+/-0.110 χ^2/NDF: 20044.2/110

\- sign -34.656+/-0.154 χ^2/NDF: 10991.0/55

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.184+/-0.279 χ^2/NDF: 368.7/29

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.443+/-0.265 χ^2/NDF: 320.3/32

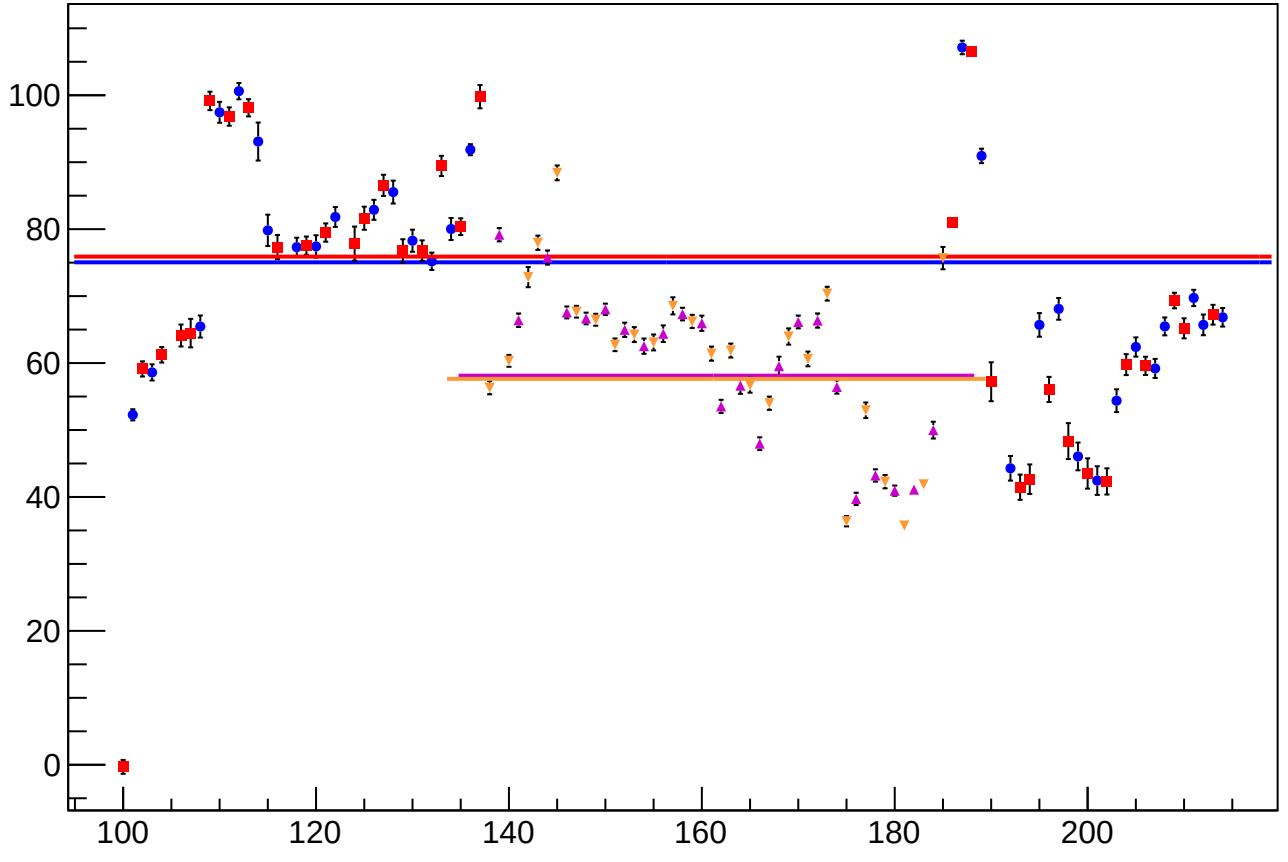
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.373+/-0.132 χ^2/NDF: 2284.9/54

All: 1.359+/-0.094 χ^2/NDF: 4185.0/110

- sign 1.345+/-0.134 χ^2/NDF: 1900.0/55

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 75.048+/-0.254 χ^2/NDF: 4634.6/29

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.897+/-0.230 χ^2/NDF: 11812.0/32

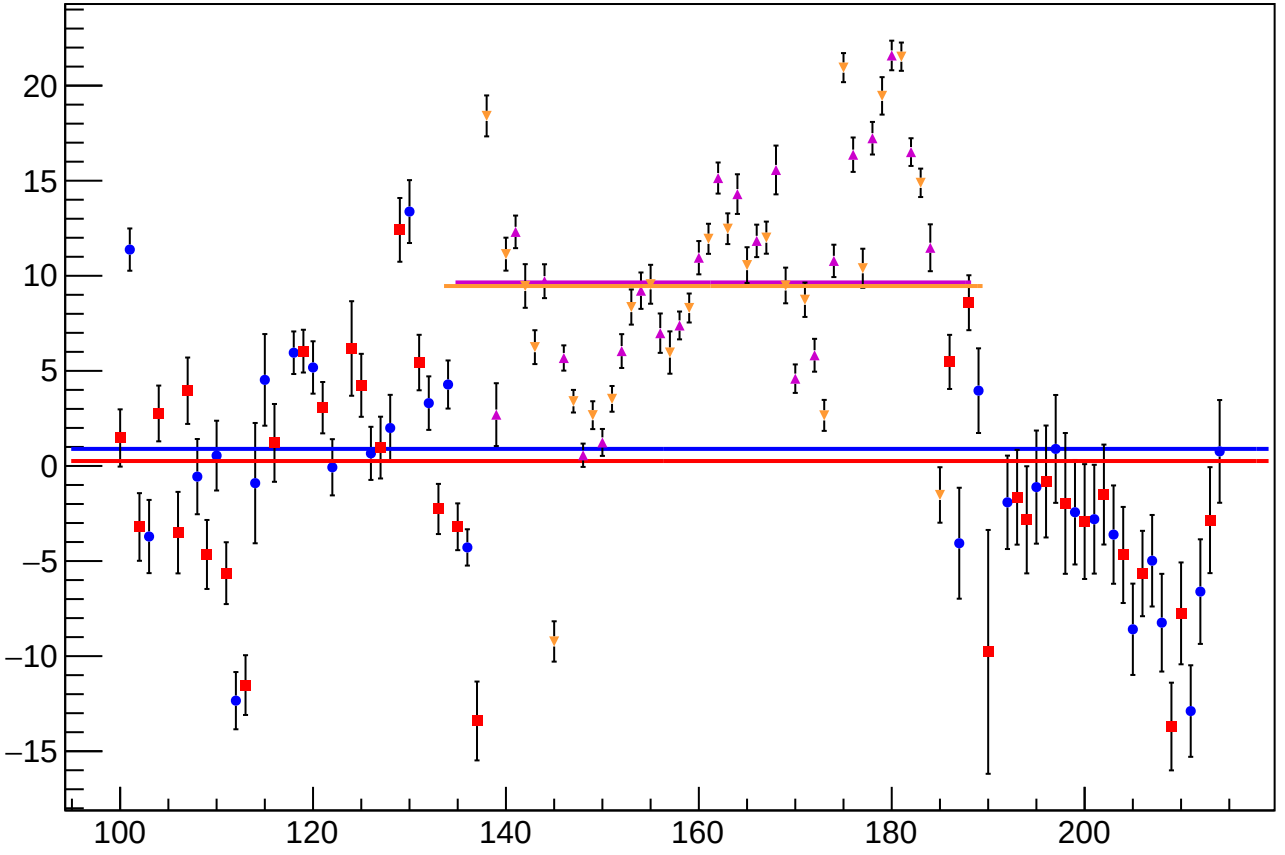
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.285+/-0.157 χ^2/NDF: 12161.8/54

All: 65.142+/-0.109 χ^2/NDF: 30828.6/110

- sign 65.953+/-0.152 χ^2/NDF: 18608.6/55

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.898+/-0.322 χ^2/NDF: 389.8/29

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.260+/-0.314 χ^2/NDF: 364.9/32

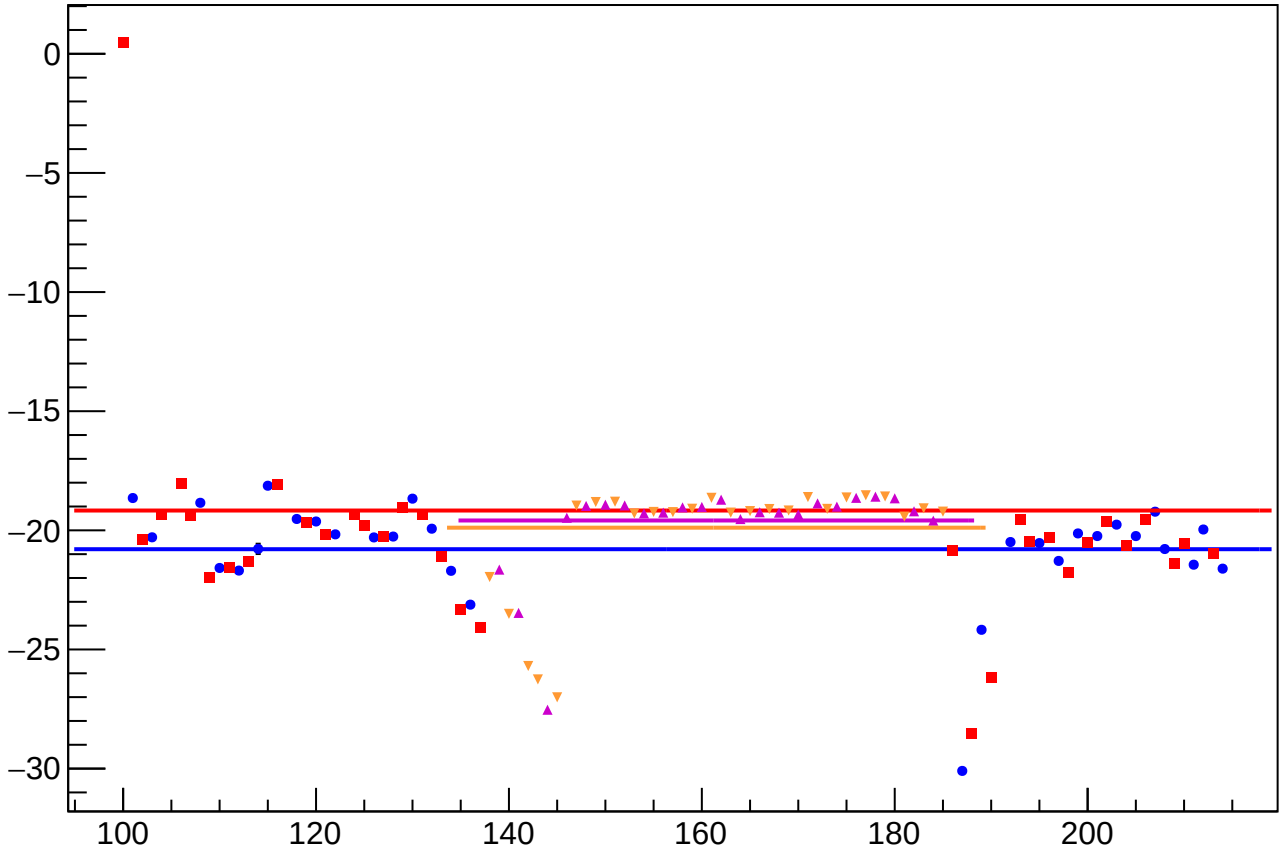
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.568+/-0.152 χ^2/NDF: 2423.1/54

All: 7.479+/-0.108 χ^2/NDF: 4548.2/110

- sign 7.388+/-0.154 χ^2/NDF: 2124.5/55

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.792+/-0.016 χ^2/NDF: 12533.2/29

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.168+/-0.015 χ^2/NDF: 172633.1/32

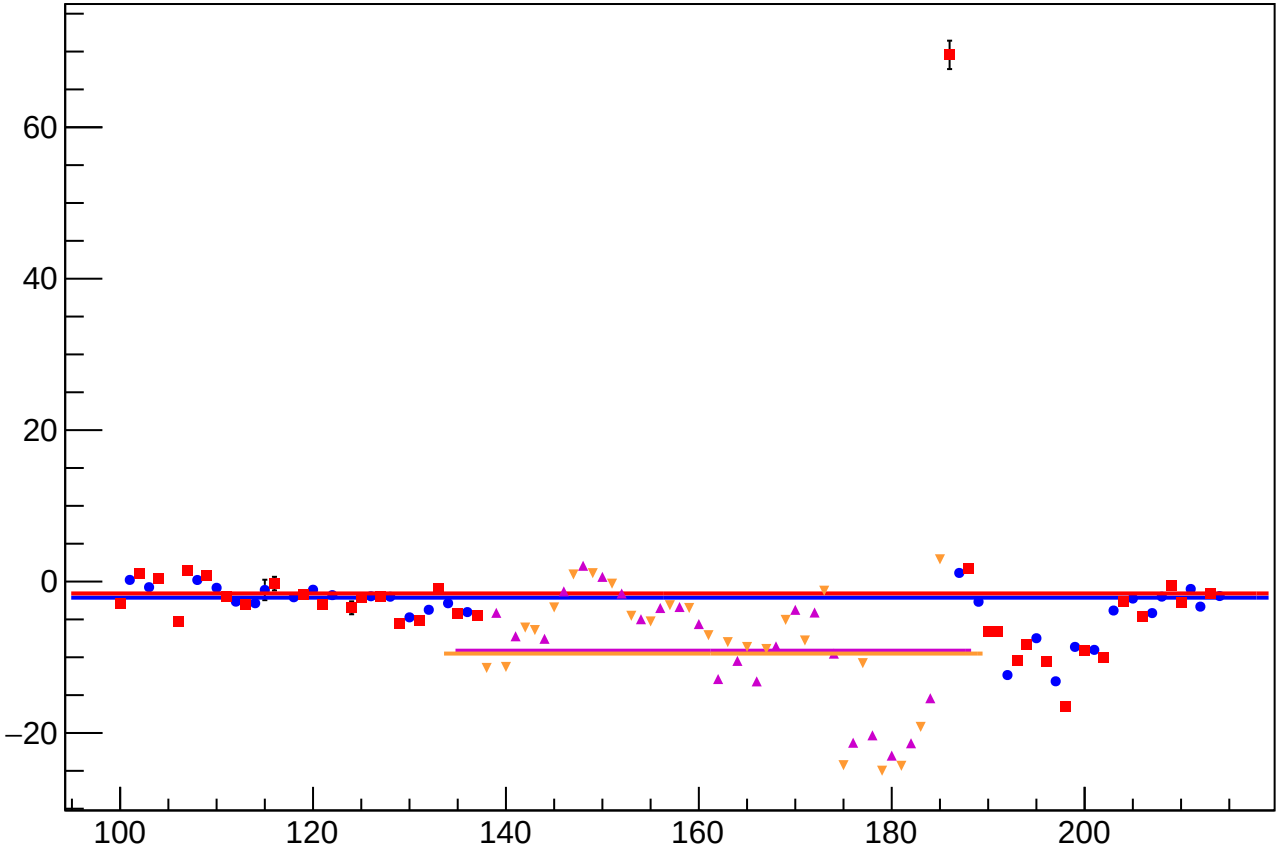
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.070+/-0.007 χ^2/NDF: 93692.5/54

All: -19.784+/-0.005 χ^2/NDF: 315326.7/110

- sign -19.496+/-0.007 χ^2/NDF: 218312.0/55

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.127+/-0.048 χ^2/NDF: 3364.2/29

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

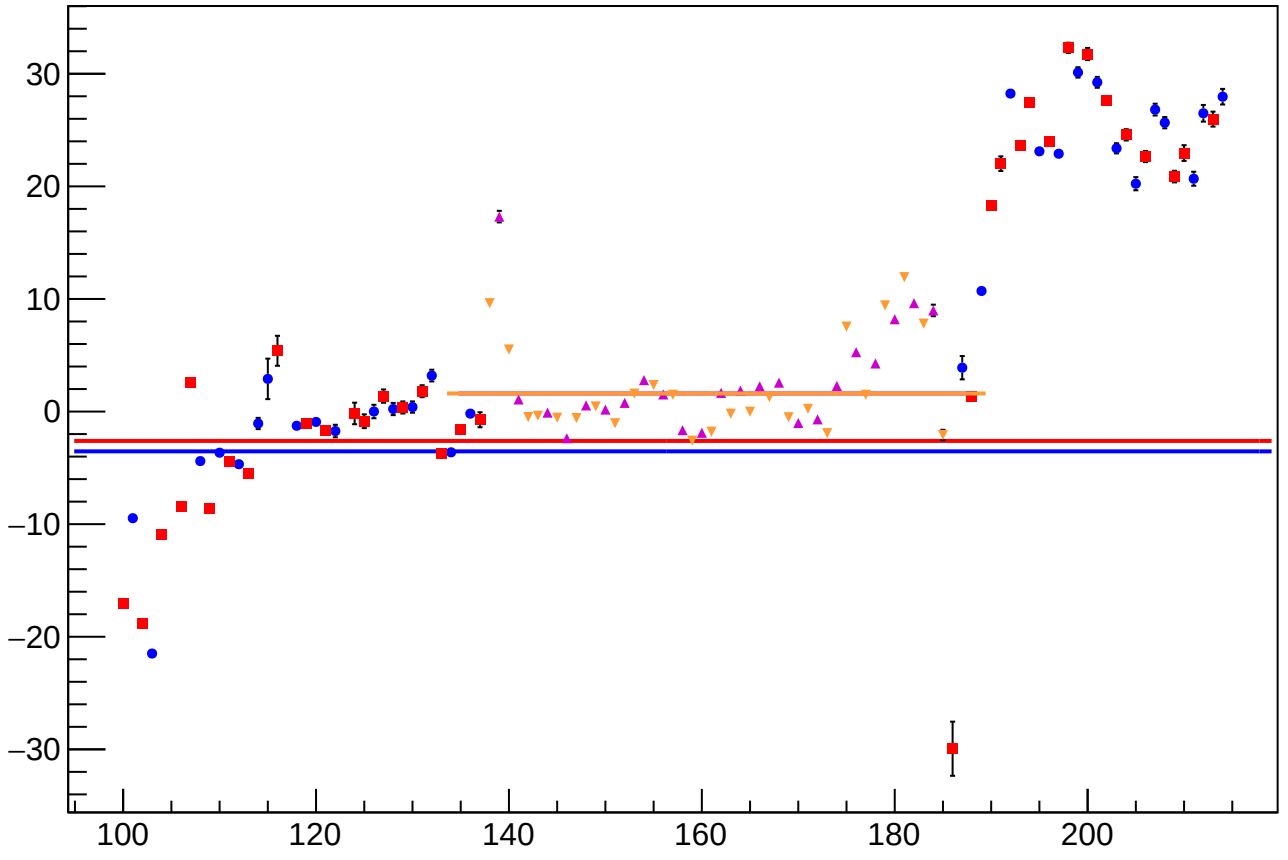
Right Out: -1.568+/-0.044 χ^2/NDF: 6970.0/33

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.354+/-0.040 χ^2/NDF: 23499.9/54

All: -3.929+/-0.028 χ^2/NDF: 48643.2/111

- sign -3.539+/-0.038 χ^2/NDF: 24925.4/56



Right In: -3.534+/-0.052 χ^2/NDF: 66588.2/29

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.608+/-0.052 χ^2/NDF: 68619.0/33

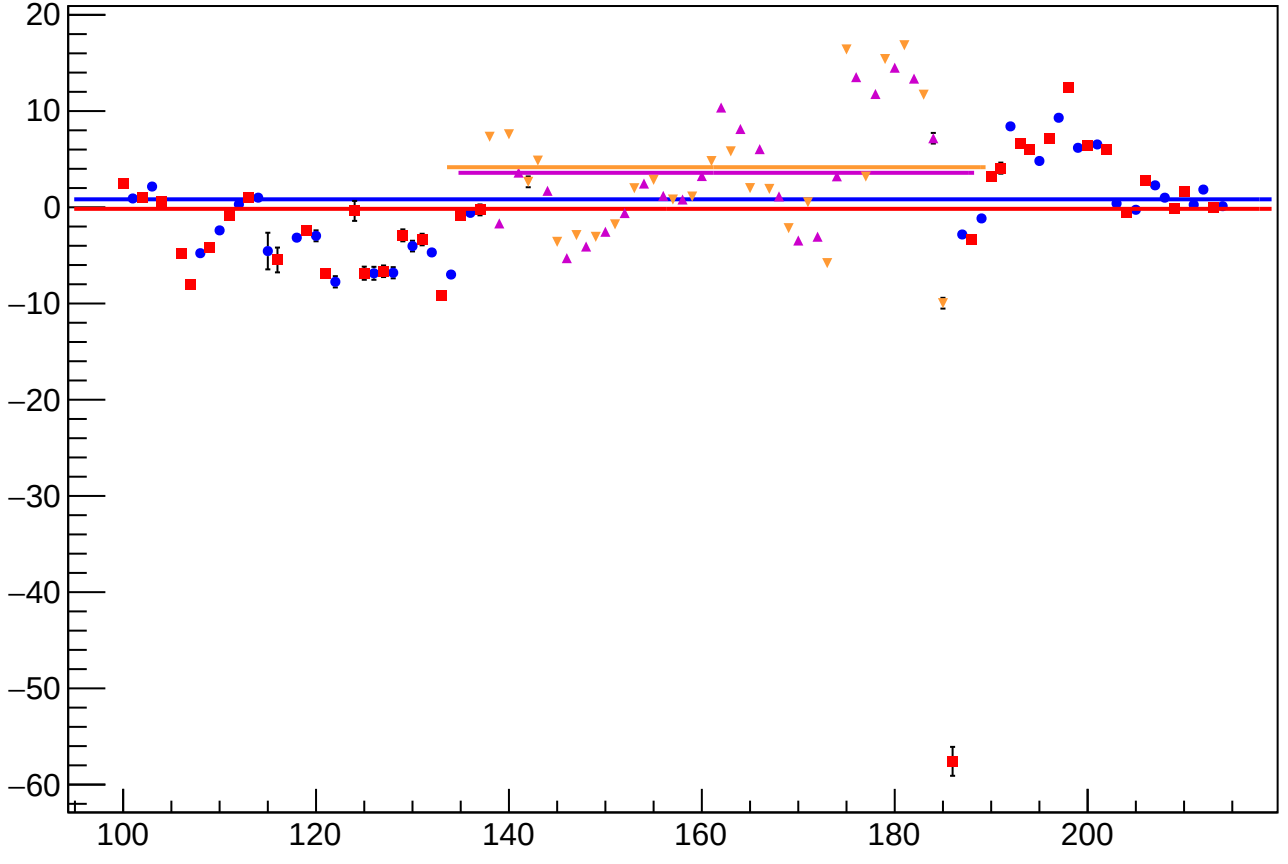
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -1.106+/-0.038 χ^2/NDF: 75843.7/54

All: -0.922+/-0.027 χ^2/NDF: 151127.2/111

- sign -0.732+/-0.038 χ^2/NDF: 75235.8/56

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.830+/-0.046 χ^2/NDF: 4184.7/29

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

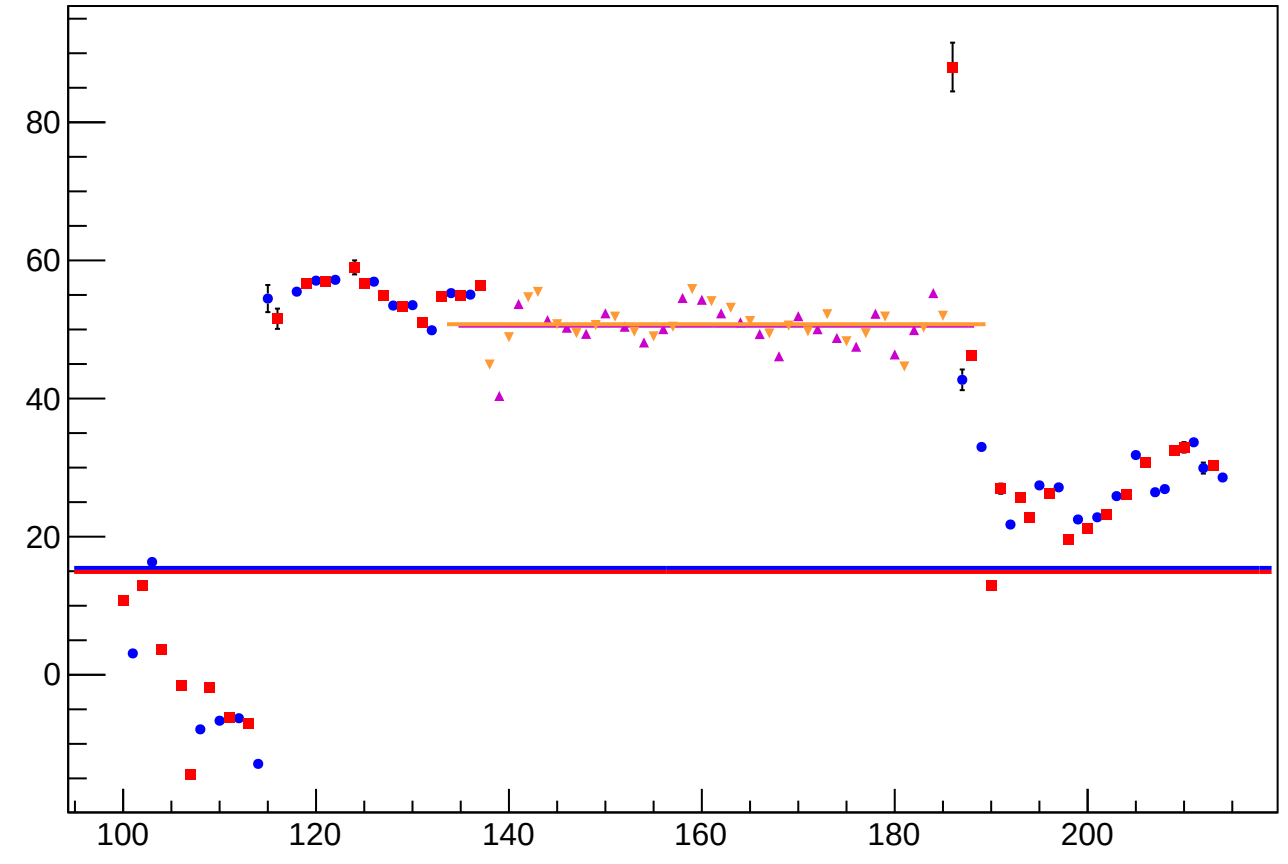
Right Out: -0.162+/-0.045 χ^2/NDF: 8227.5/33

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.797+/-0.039 χ^2/NDF: 14952.2/54

All: 1.315+/-0.027 χ^2/NDF: 32588.8/111

- sign 0.845+/-0.038 χ^2/NDF: 17332.0/56



Right In: 15.478+/-0.062 χ^2/NDF: 116252.9/29

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.892+/-0.061 χ^2/NDF: 132867.4/33

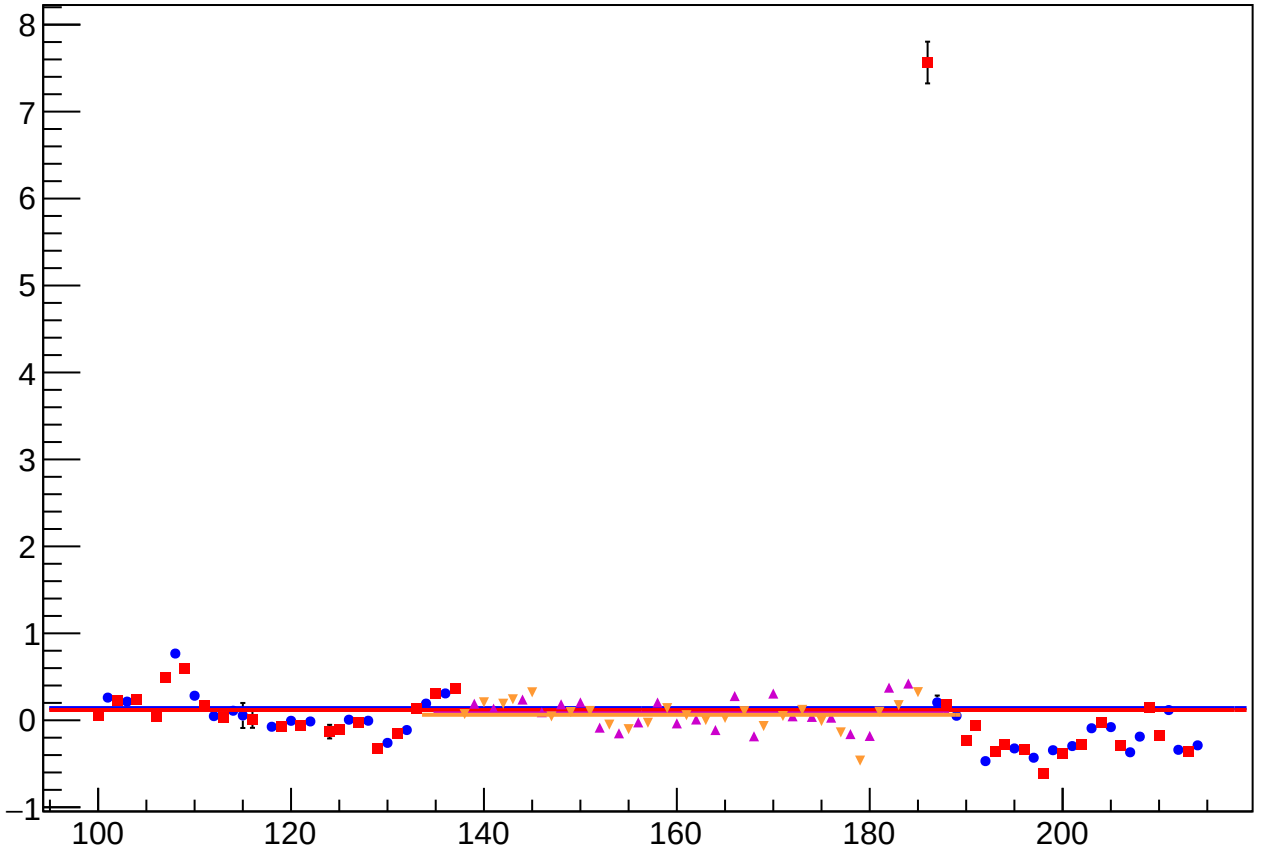
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

\+ sign 32.970+/-0.044 χ^2/NDF: 279013.7/54

All: 32.346+/-0.031 χ^2/NDF: 574174.8/111

\- sign 31.707+/-0.044 χ^2/NDF: 294753.1/56

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.140+/-0.002 χ^2/NDF: 13797.8/29

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.119+/-0.002 χ^2/NDF: 13204.7/33

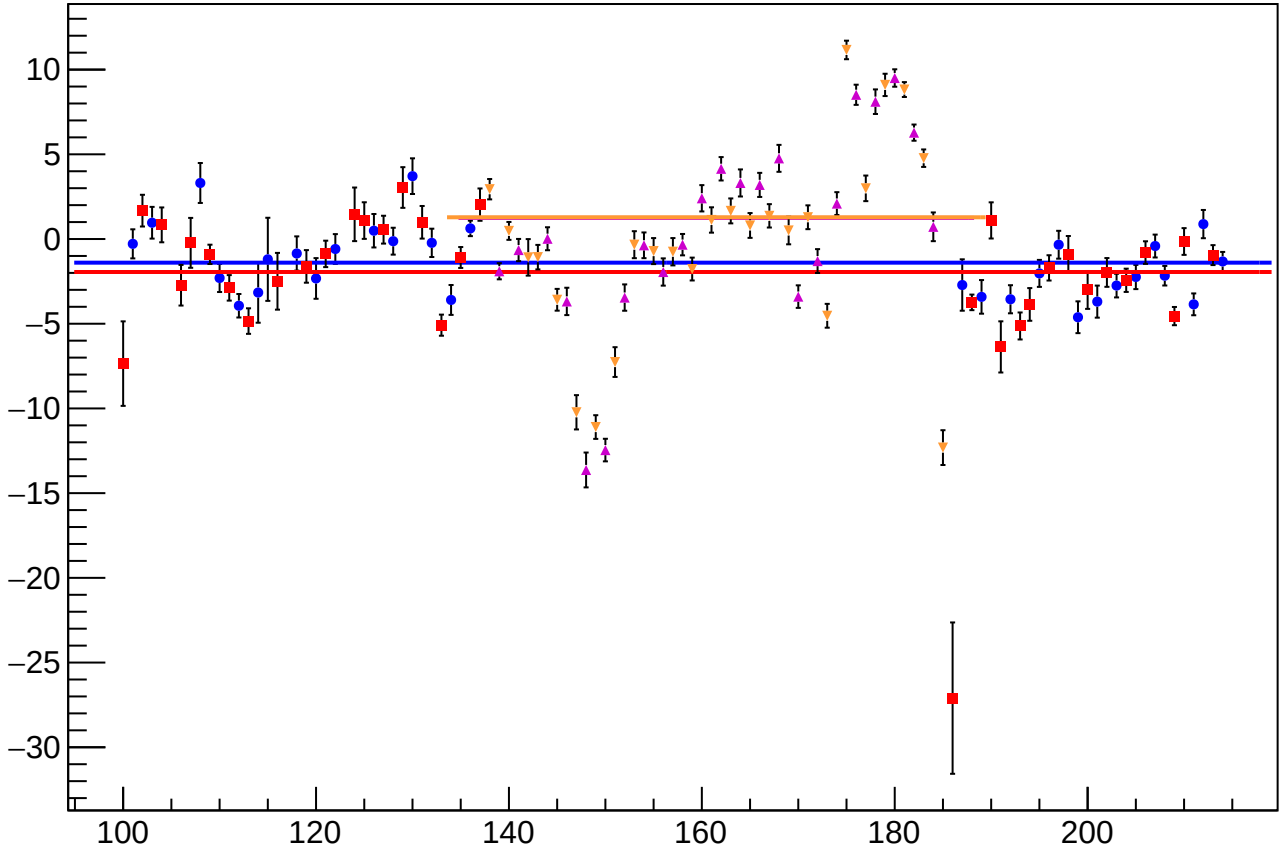
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.107+/-0.002 χ^2/NDF: 16793.2/54

All: 0.105+/-0.001 χ^2/NDF: 33557.5/111

- sign 0.102+/-0.002 χ^2/NDF: 16761.4/56

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.396+/-0.148 χ^2/NDF: 161.5/29

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.946+/-0.142 χ^2/NDF: 263.9/33

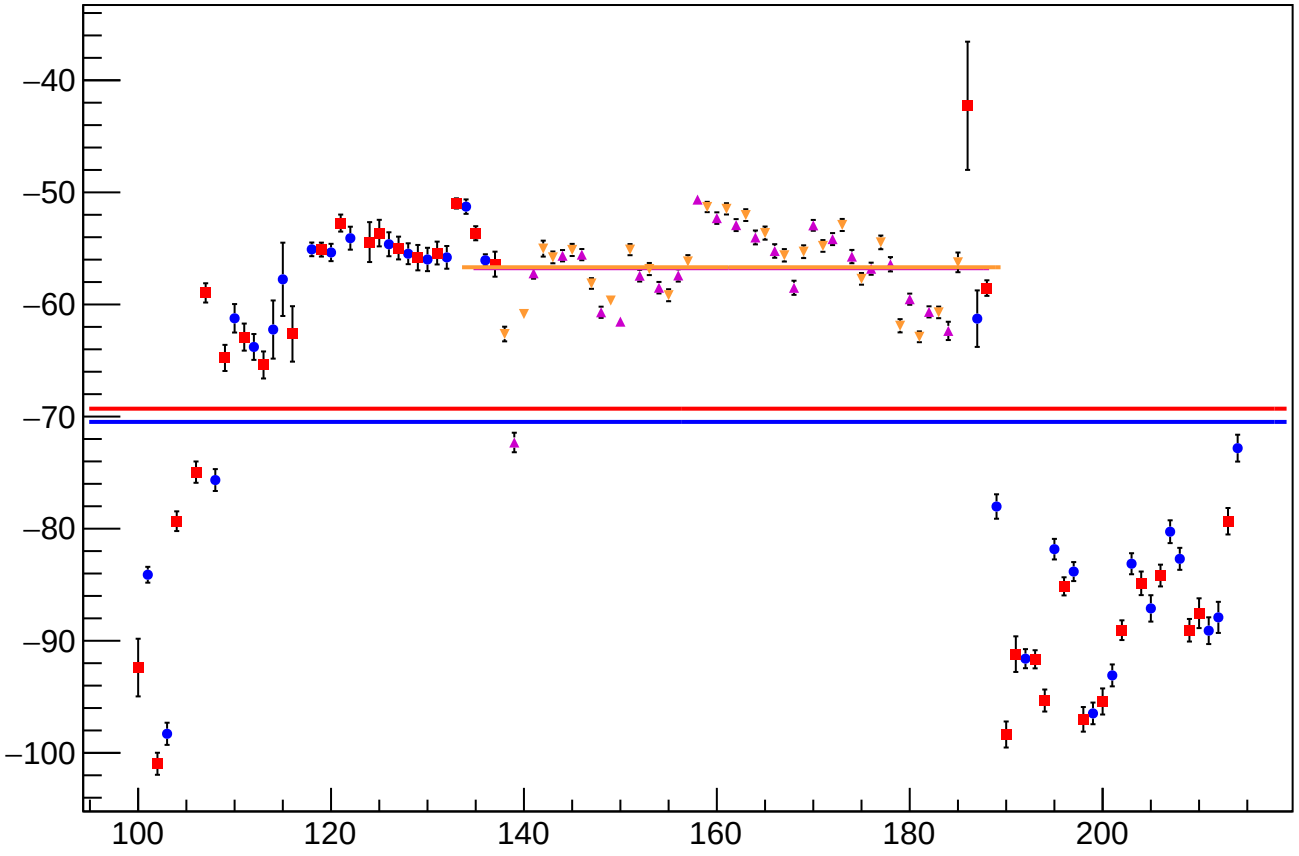
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.047+/-0.101 χ^2/NDF: 2053.5/54

All: -0.145+/-0.071 χ^2/NDF: 4093.2/111

- sign -0.335+/-0.100 χ^2/NDF: 2032.4/56

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.476+/-0.172 χ^2/NDF: 8452.7/29

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.295+/-0.163 χ^2/NDF: 11296.8/33

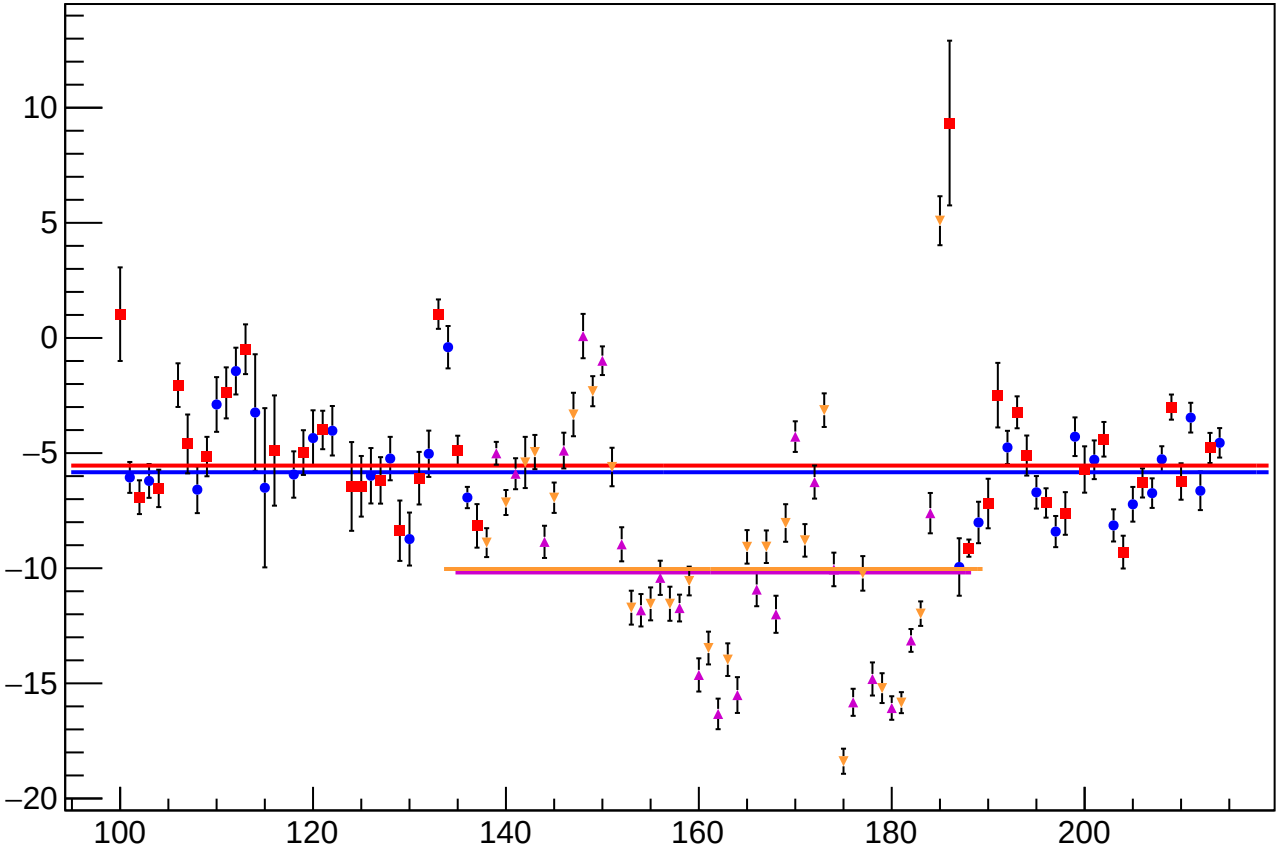
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.532+/-0.091 χ^2/NDF: 14090.6/54

All: -60.663+/-0.065 χ^2/NDF: 30531.2/111

- sign -60.797+/-0.092 χ^2/NDF: 16436.4/56

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -5.831+/-0.149 χ^2/NDF: 153.6/29

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.542+/-0.141 χ^2/NDF: 379.2/33

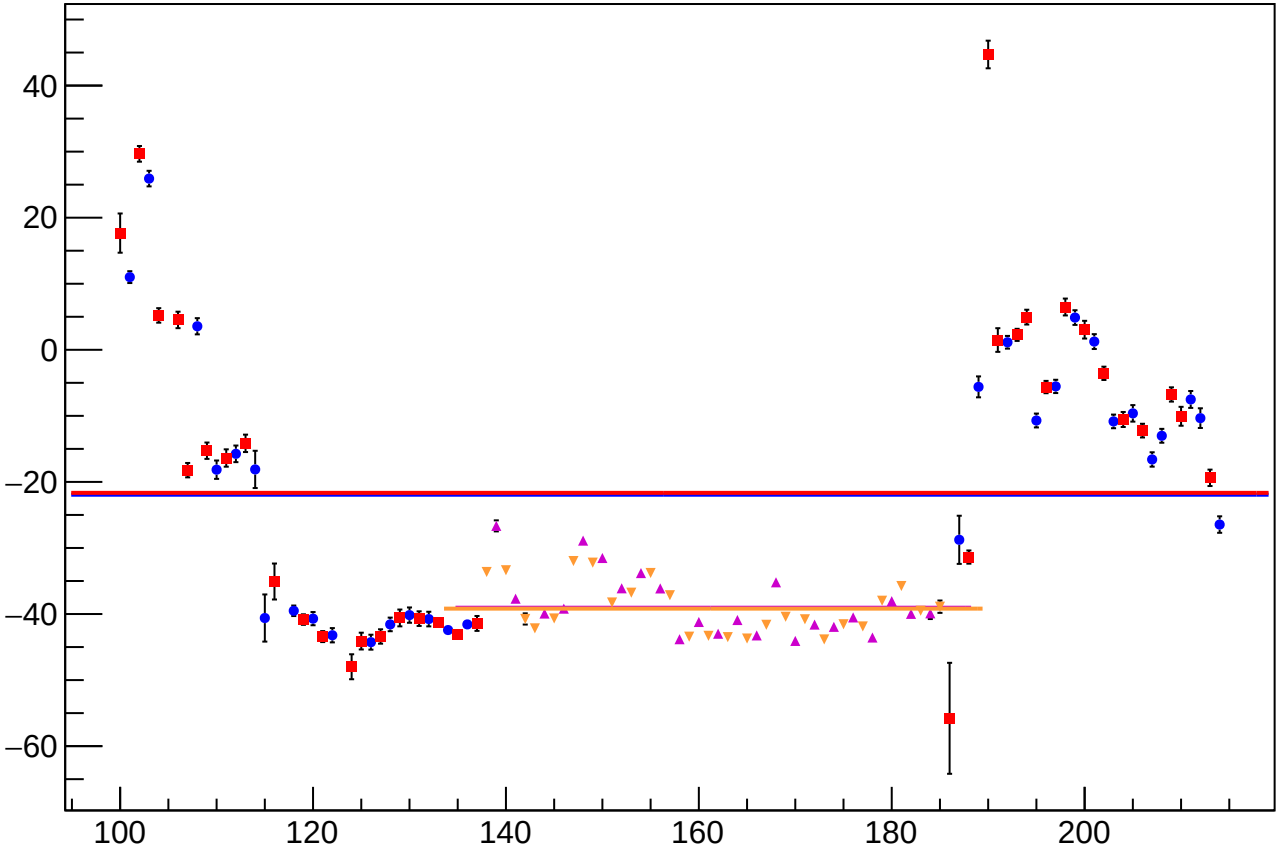
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.114+/-0.100 χ^2/NDF: 1770.8/54

All: -8.002+/-0.070 χ^2/NDF: 3844.7/111

- sign -7.893+/-0.099 χ^2/NDF: 2071.4/56

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -21.937+/-0.196 χ^2/NDF: 10727.0/29

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.656+/-0.188 χ^2/NDF: 12947.4/33

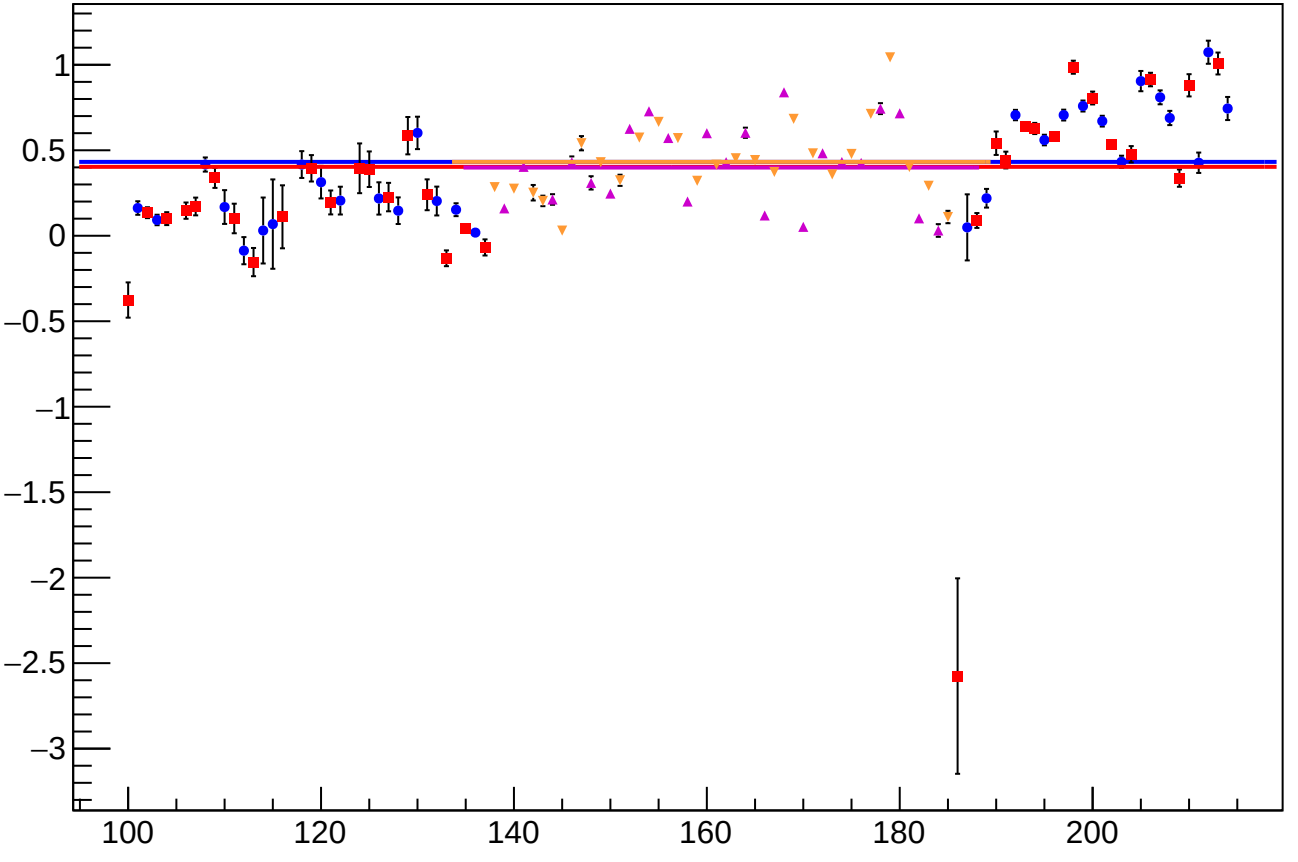
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.464+/-0.102 χ^2/NDF: 17411.6/54

All: -34.120+/-0.073 χ^2/NDF: 37553.6/111

- sign -33.766+/-0.104 χ^2/NDF: 20119.0/56

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.432+/-0.008 χ^2/NDF: 1337.8/29

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.403+/-0.008 χ^2/NDF: 1684.2/33

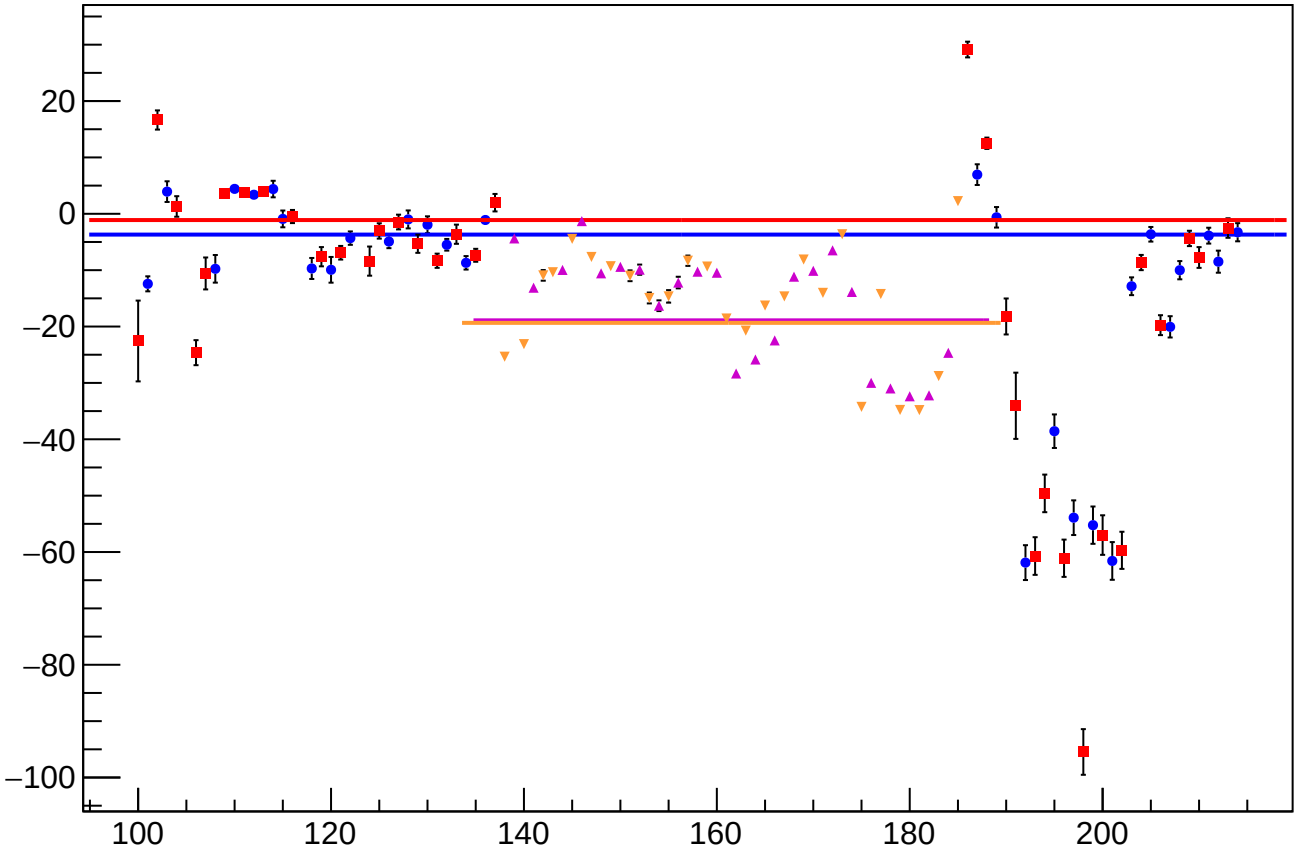
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.432+/-0.004 χ^2/NDF: 2706.5/54

All: 0.416+/-0.003 χ^2/NDF: 6340.6/111

- sign 0.400+/-0.004 χ^2/NDF: 3608.2/56

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.689+/-0.245 χ^2/NDF: 1884.5/29

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.110+/-0.234 χ^2/NDF: 3394.3/33

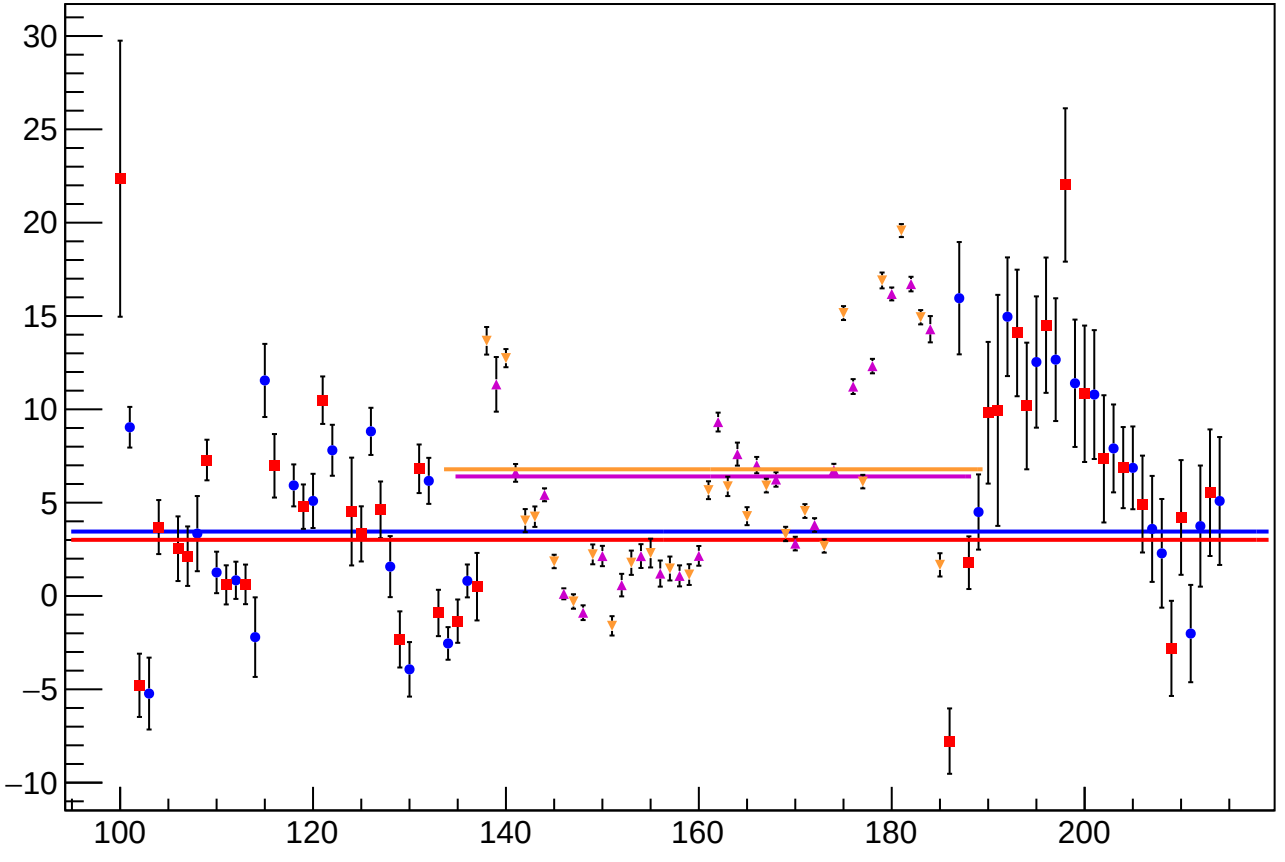
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.592+/-0.103 χ^2/NDF: 15636.4/54

All: -15.993+/-0.073 χ^2/NDF: 32029.3/111

- sign -15.381+/-0.104 χ^2/NDF: 16324.5/56

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.452+/-0.289 χ^2/NDF: 269.4/29

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

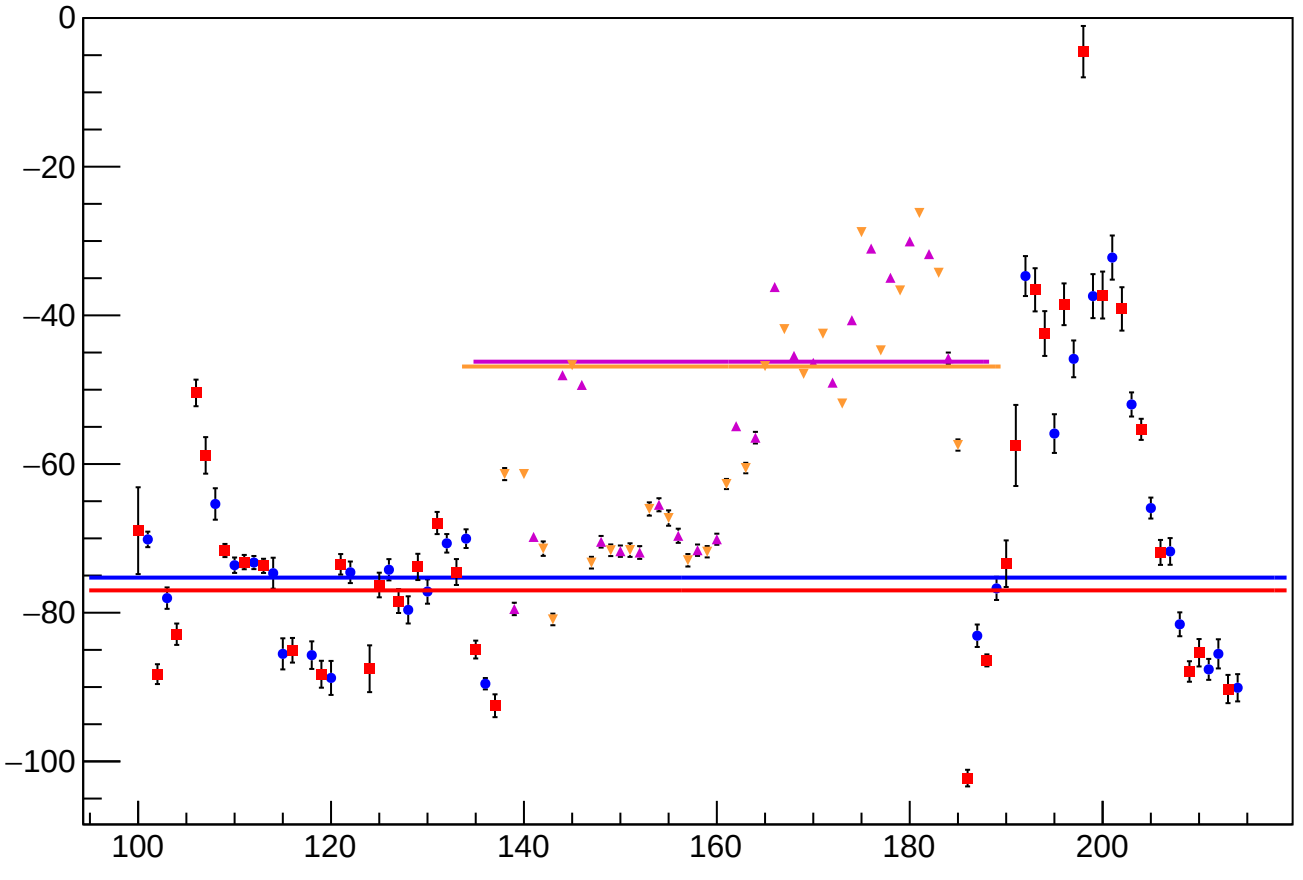
Right Out: 3.009+/-0.292 χ^2/NDF: 250.8/33

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.493+/-0.086 χ^2/NDF: 5023.0/54

All: 6.300+/-0.061 χ^2/NDF: 8817.7/111

- sign 6.102+/-0.087 χ^2/NDF: 3784.5/56



Right In: -75.276+/-0.272 χ^2/NDF: 1799.6/29

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

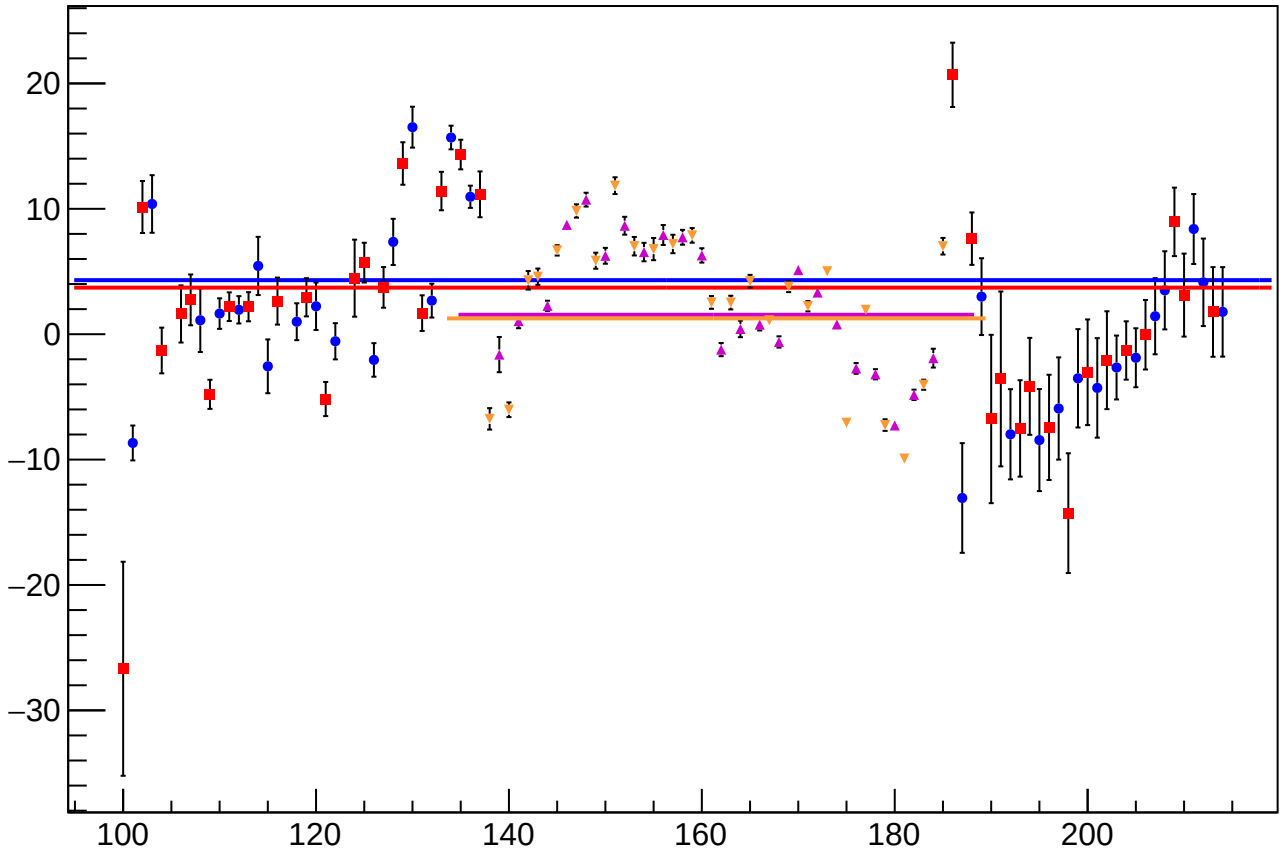
Right Out: -76.996+/-0.264 χ^2/NDF: 3010.7/33

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

\+ sign -51.130+/-0.105 χ^2/NDF: 29070.8/54

All: -51.177+/-0.075 χ^2/NDF: 58616.8/111

\- sign -51.225+/-0.106 χ^2/NDF: 29545.6/56



Right In: 4.311+/-0.324 χ^2/NDF: 488.3/29

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.715+/-0.332 χ^2/NDF: 391.7/33

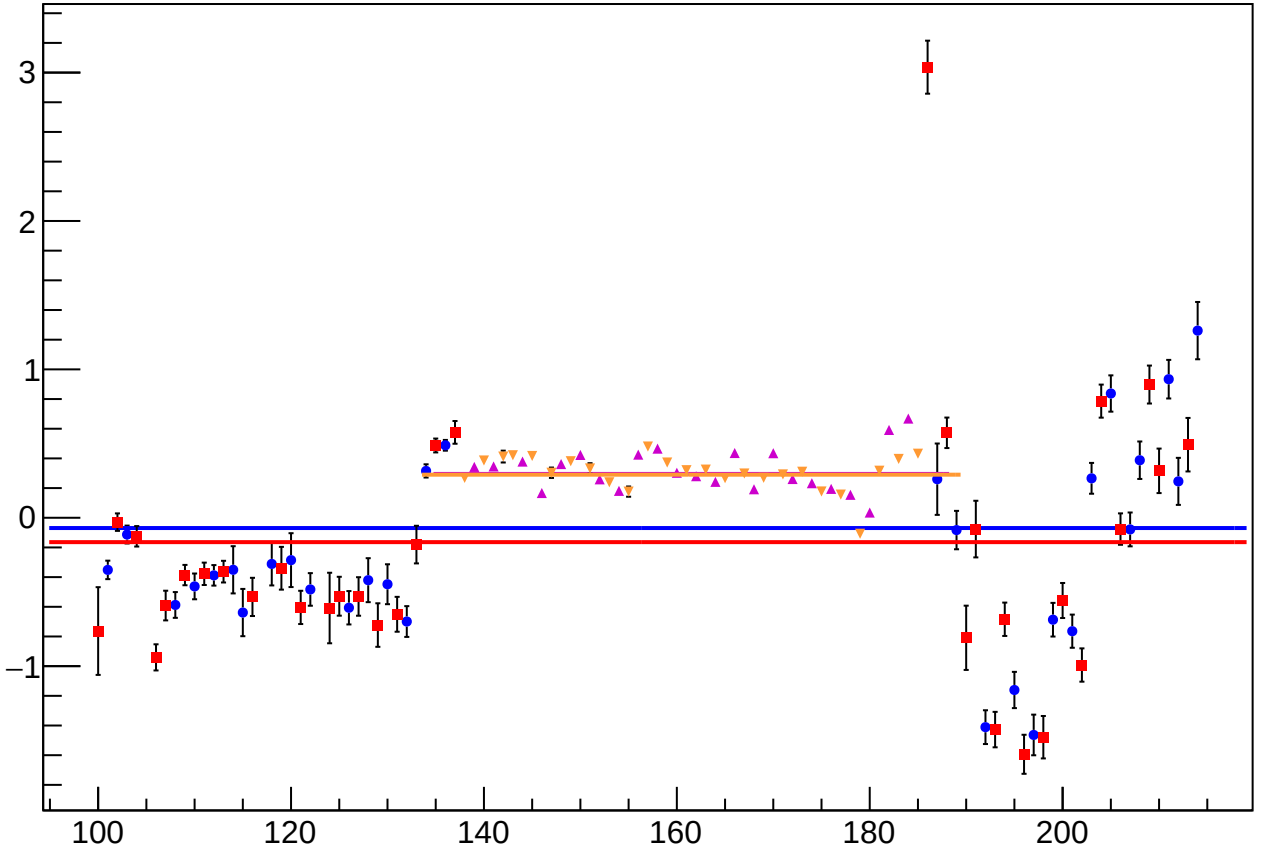
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.528+/-0.096 χ^2/NDF: 4014.6/54

All: 1.631+/-0.068 χ^2/NDF: 6783.0/111

- sign 1.737+/-0.098 χ^2/NDF: 2766.1/56

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.069+/-0.017 χ^2/NDF: 1099.9/29

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.164+/-0.017 χ^2/NDF: 1444.0/33

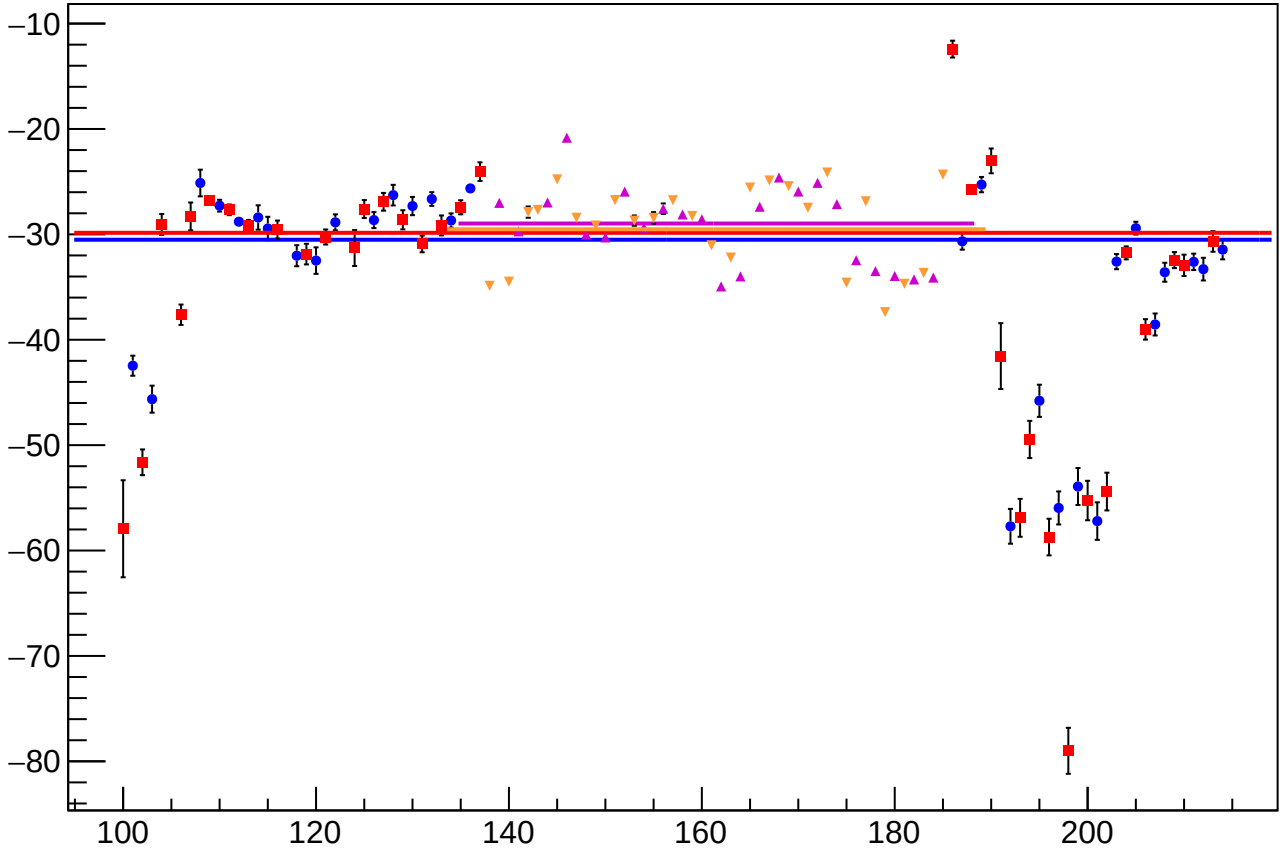
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.266+/-0.004 χ^2/NDF: 2258.3/54

All: 0.266+/-0.003 χ^2/NDF: 5396.6/111

- sign 0.265+/-0.004 χ^2/NDF: 3138.2/56

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.509+/-0.149 χ^2/NDF: 1768.9/29

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.852+/-0.145 χ^2/NDF: 2805.8/33

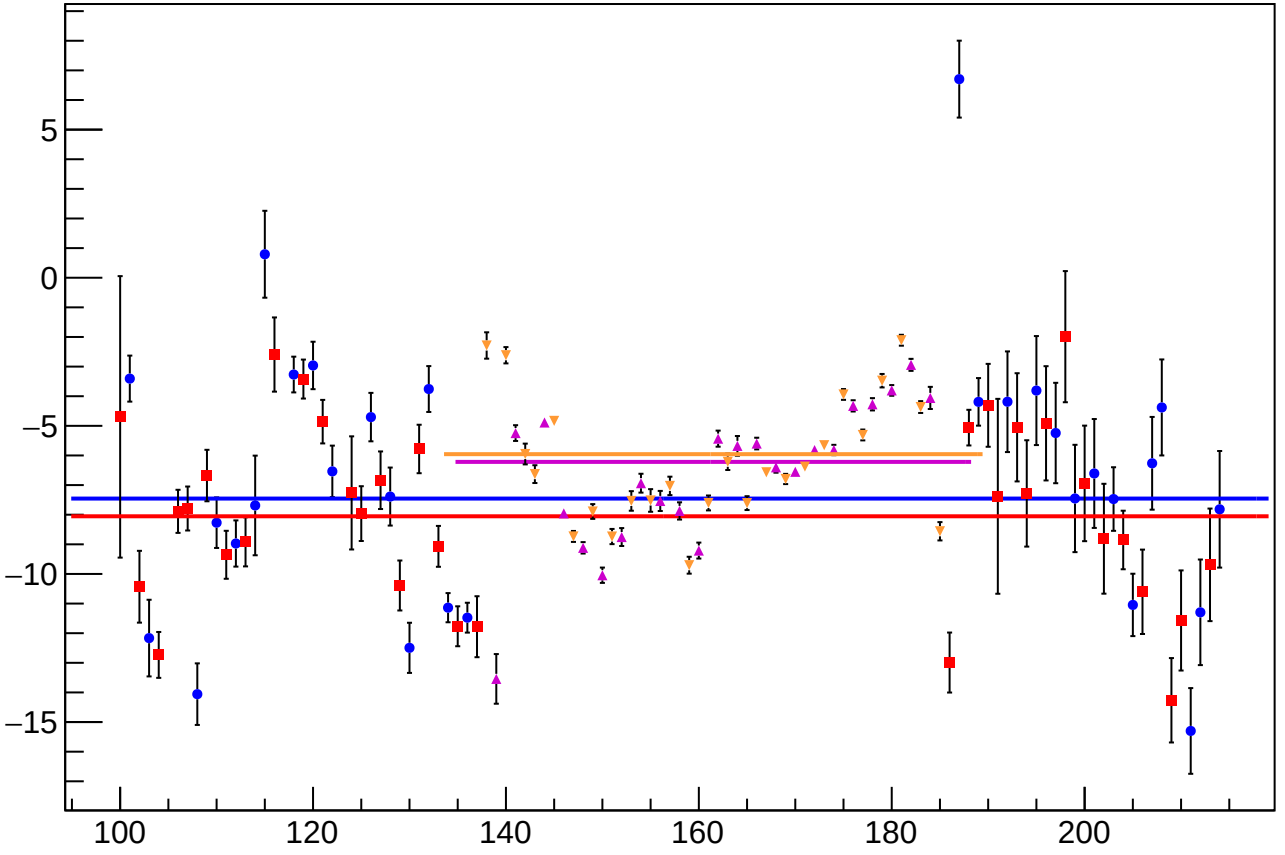
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.640+/-0.053 χ^2/NDF: 7896.0/54

All: -29.366+/-0.037 χ^2/NDF: 16136.5/111

- sign -29.088+/-0.053 χ^2/NDF: 8186.2/56

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.455+/-0.172 χ^2/NDF: 582.0/29

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.053+/-0.170 χ^2/NDF: 294.7/33

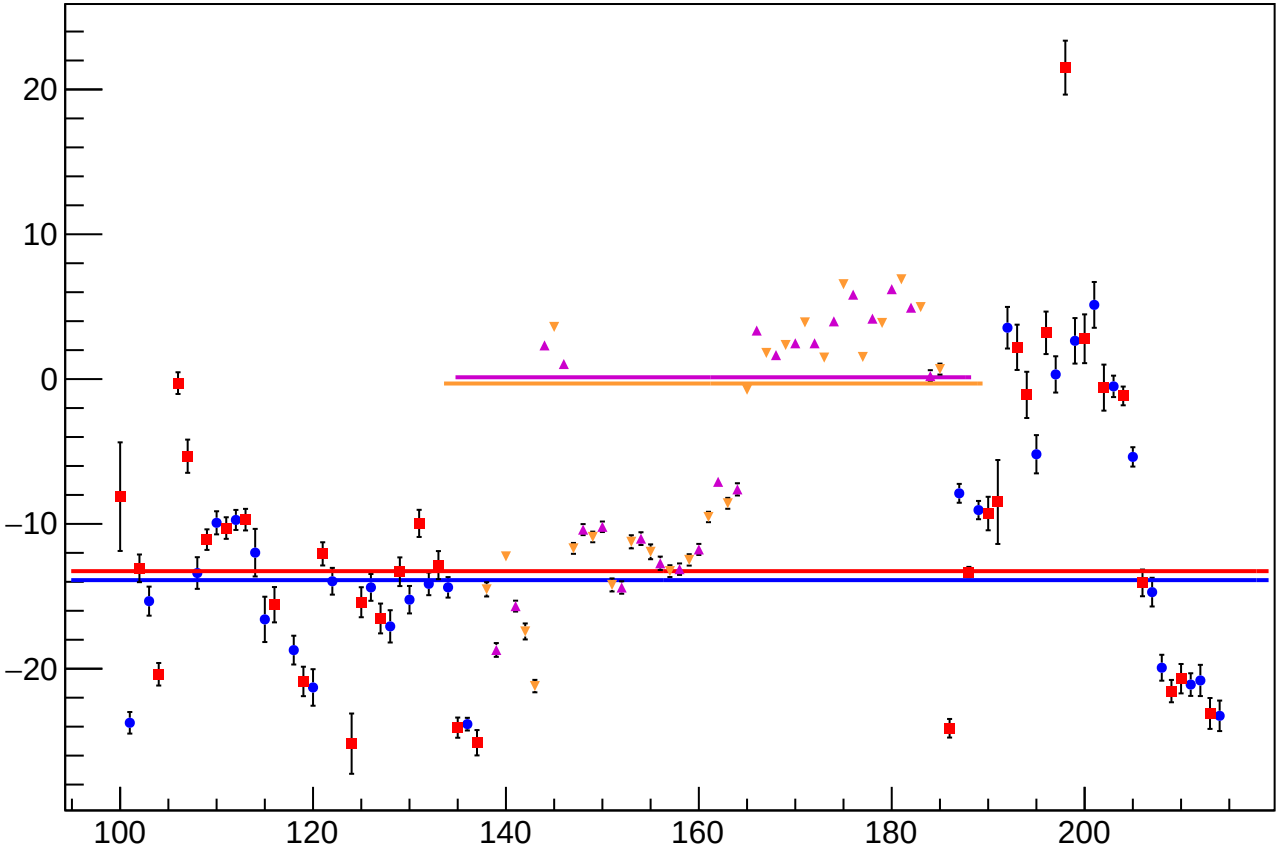
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.050+/-0.043 χ^2/NDF: 2510.7/54

All: -6.192+/-0.030 χ^2/NDF: 4677.8/111

- sign -6.333+/-0.043 χ^2/NDF: 2145.4/56

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.883+/-0.158 χ^2/NDF: 2285.4/29

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.262+/-0.152 χ^2/NDF: 2715.1/33

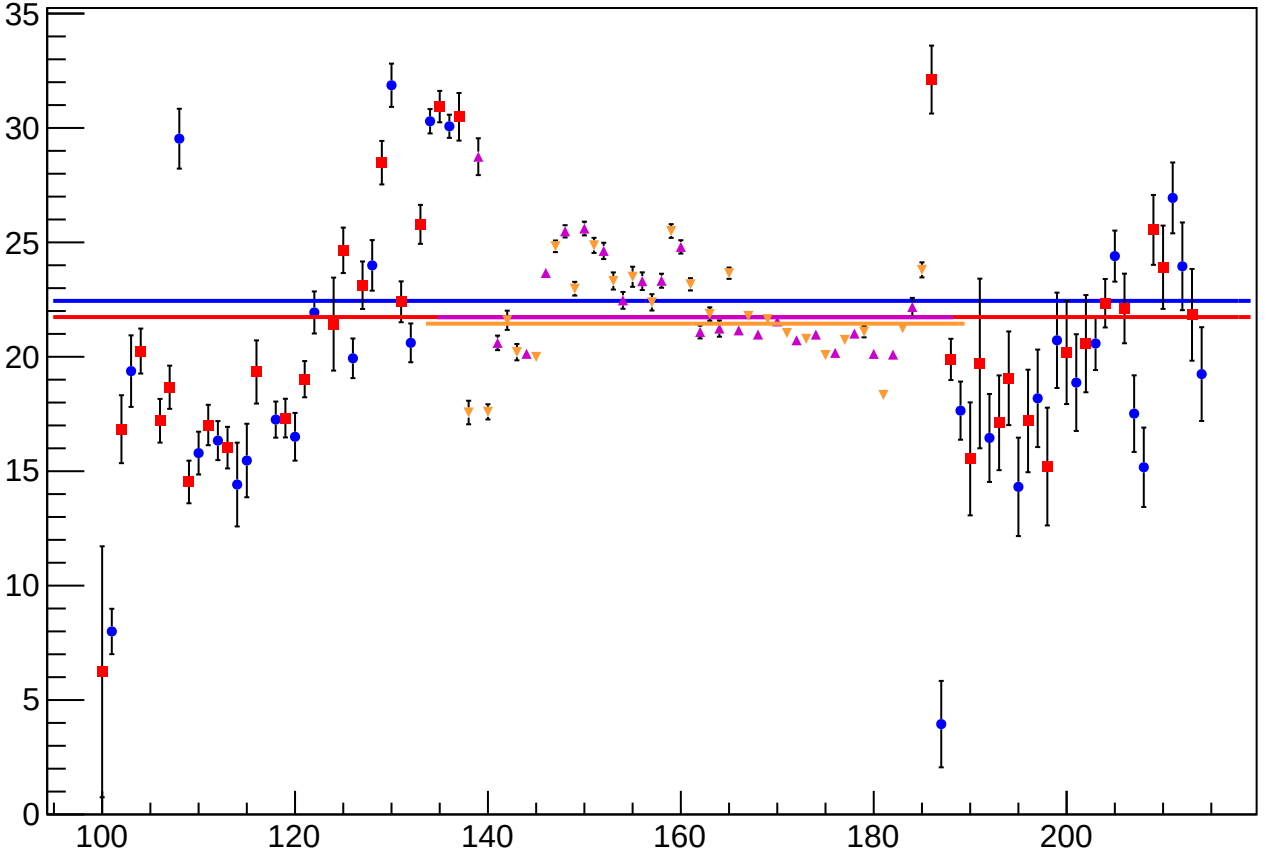
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.843+/-0.053 χ^2/NDF: 25990.4/54

All: -1.689+/-0.038 χ^2/NDF: 49398.2/111

- sign -1.534+/-0.053 χ^2/NDF: 23391.0/56

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.444+/-0.195 χ^2/NDF: 1205.7/29

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.737+/-0.199 χ^2/NDF: 644.0/33

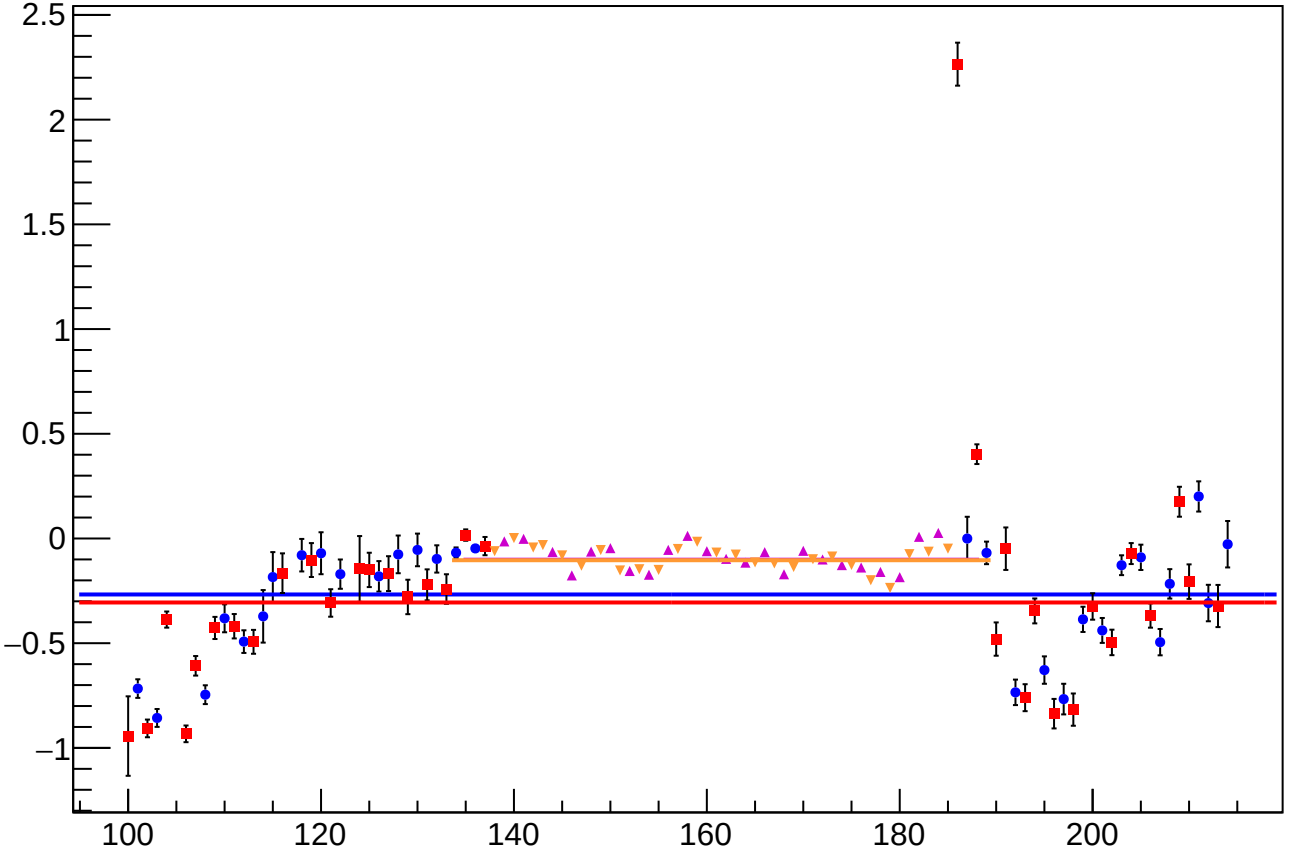
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.507+/-0.048 χ^2/NDF: 2555.5/54

All: 21.616+/-0.034 χ^2/NDF: 4383.5/111

- sign 21.726+/-0.048 χ^2/NDF: 1817.7/56

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.267+/-0.010 χ^2/NDF: 882.2/29

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.306+/-0.010 χ^2/NDF: 1821.2/33

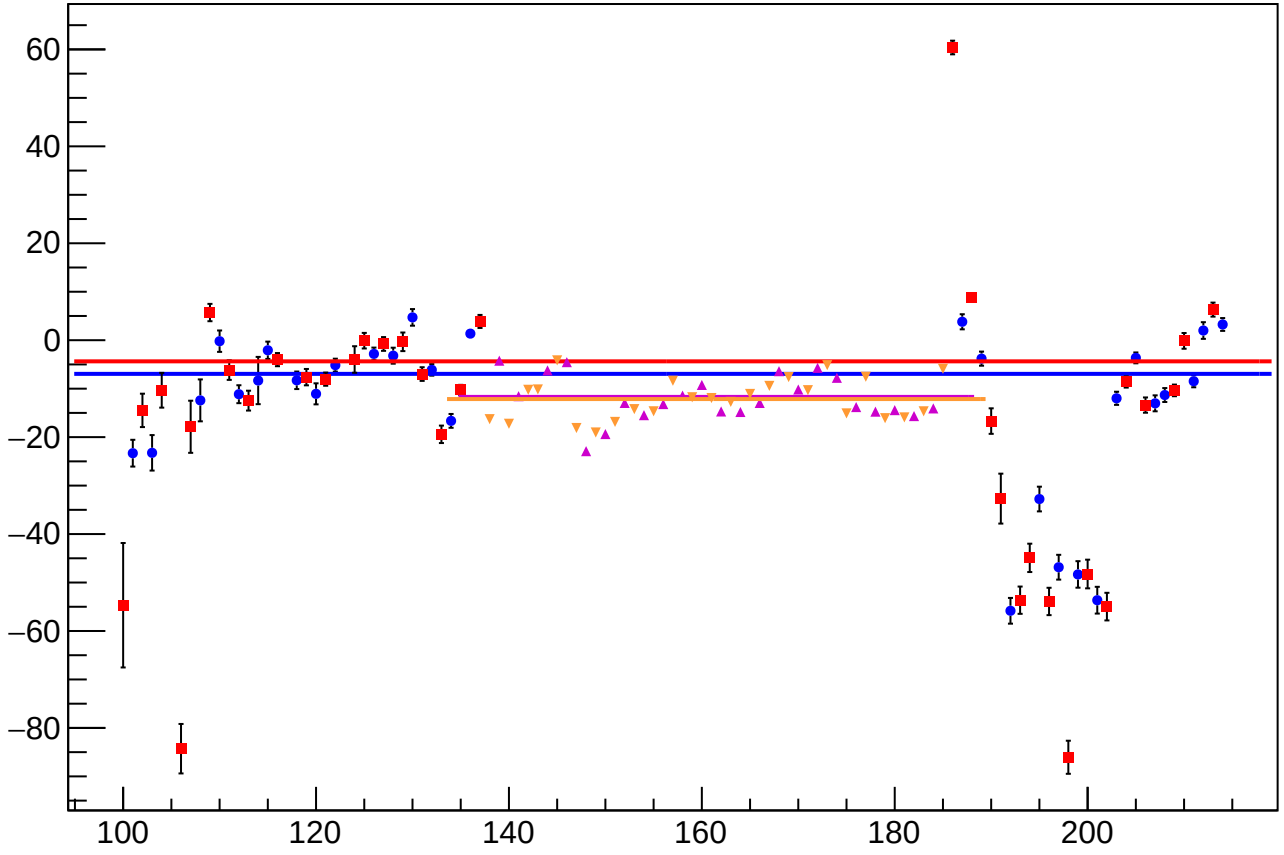
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.112+/-0.002 χ^2/NDF: 1699.8/54

All: -0.111+/-0.002 χ^2/NDF: 4673.0/111

- sign -0.111+/-0.002 χ^2/NDF: 2973.1/56

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.946+/-0.286 χ^2/NDF: 1727.7/29

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.363+/-0.294 χ^2/NDF: 4961.9/33

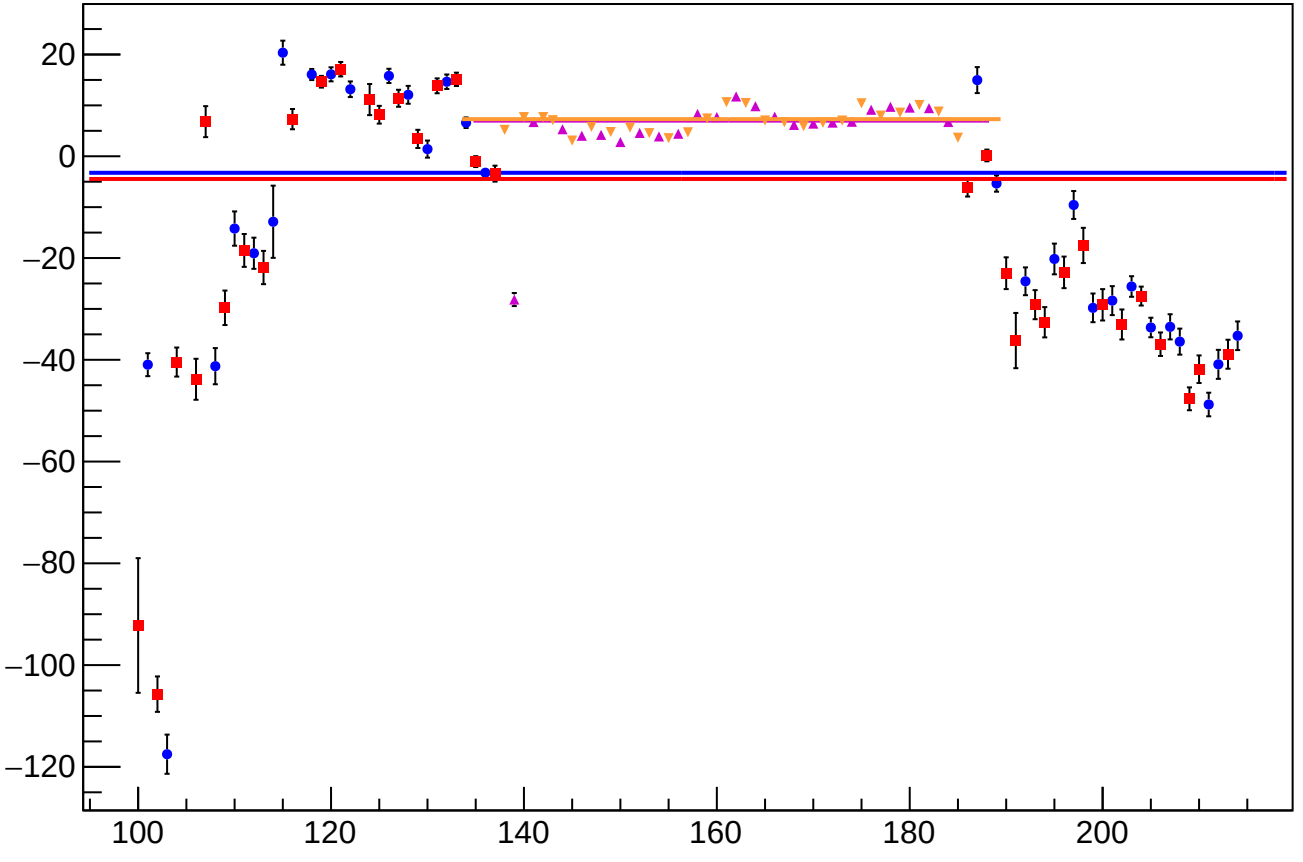
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.661+/-0.087 χ^2/NDF: 4157.1/54

All: -11.347+/-0.063 χ^2/NDF: 11661.9/111

- sign -11.013+/-0.090 χ^2/NDF: 7478.0/56

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -3.249+/-0.330 χ^2/NDF: 4248.9/29

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -4.462+/-0.345 χ^2/NDF: 3898.3/33

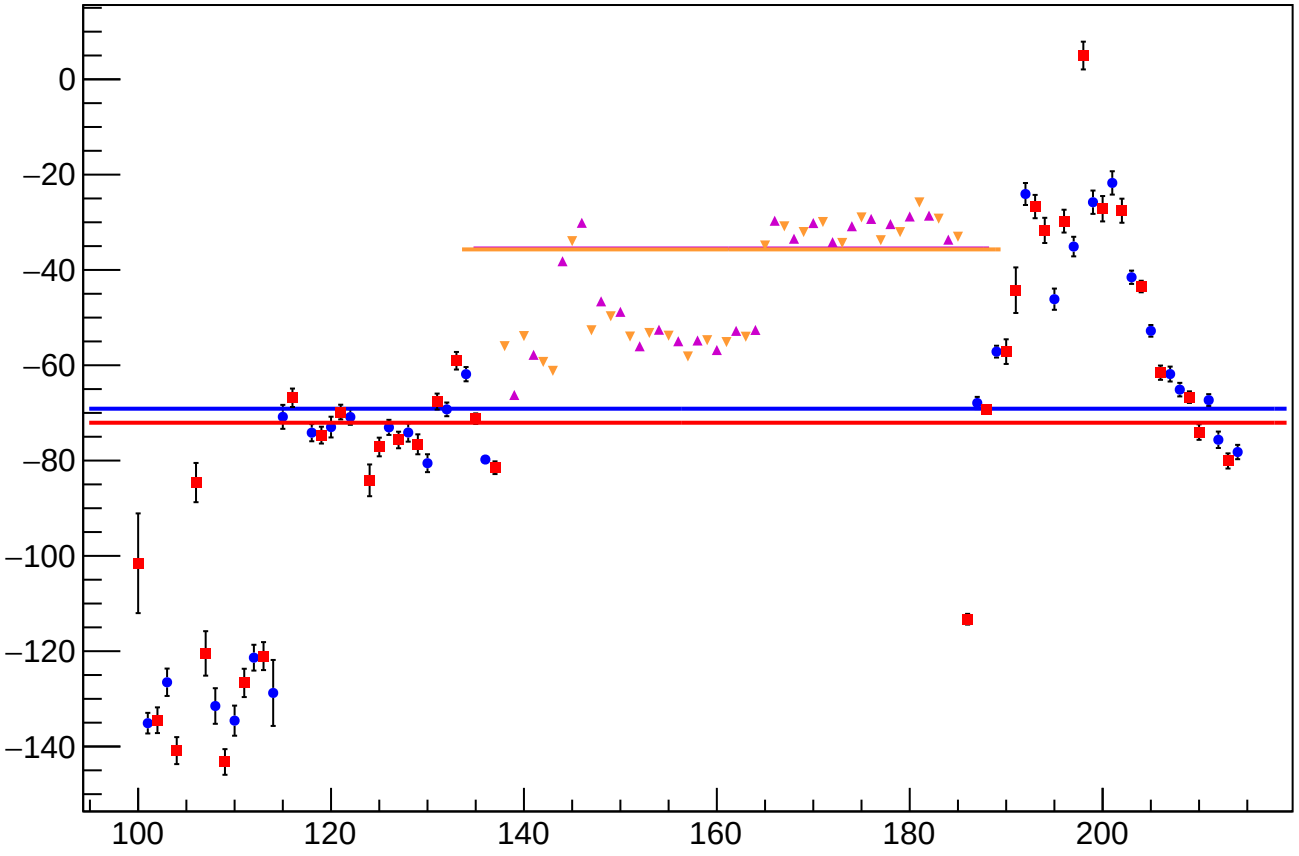
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.780+/-0.073 χ^2/NDF: 6042.0/54

All: 6.630+/-0.052 χ^2/NDF: 12577.3/111

- sign 6.474+/-0.074 χ^2/NDF: 6526.7/56

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -69.118+/-0.295 χ^2/NDF: 5009.5/29

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.061+/-0.296 χ^2/NDF: 6976.1/33

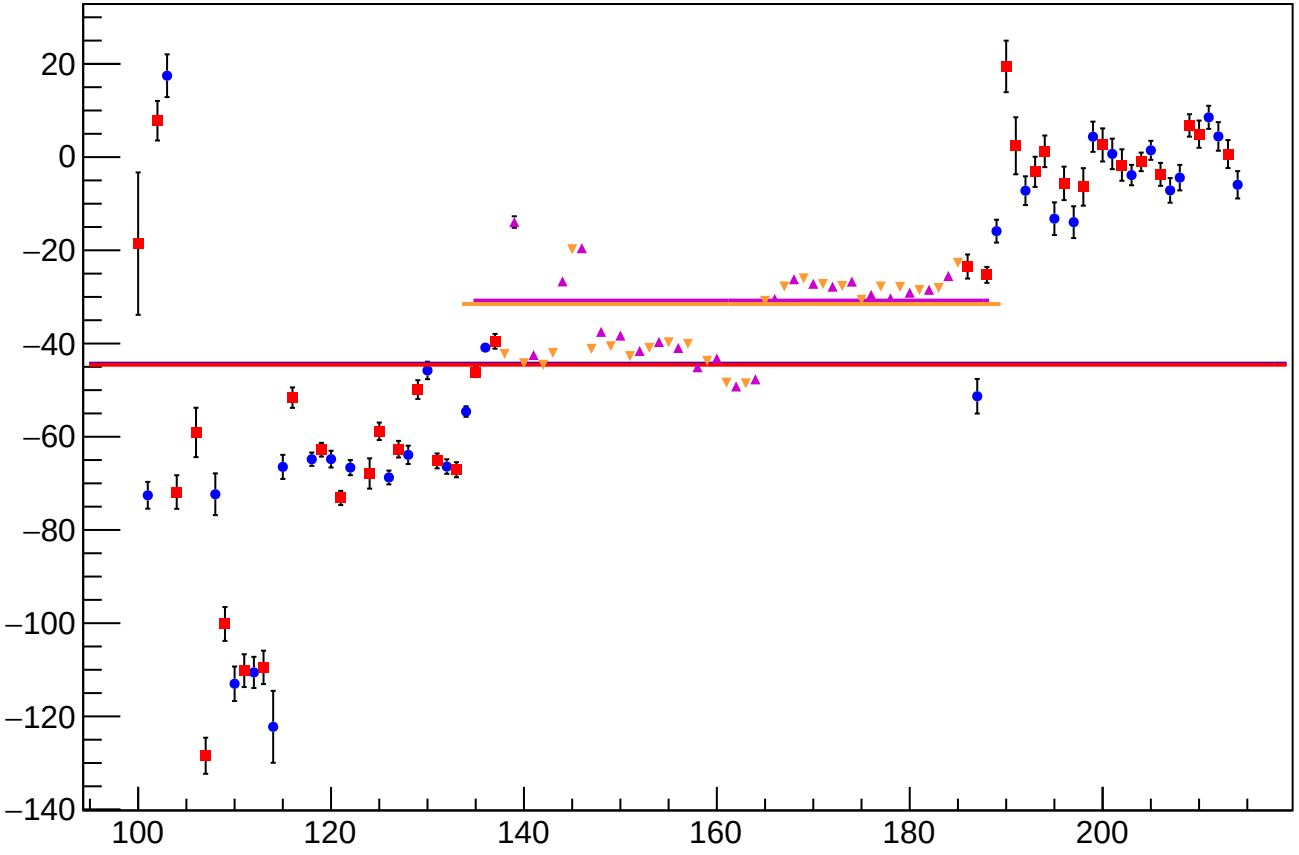
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.661+/-0.088 χ^2/NDF: 29464.0/54

All: -38.774+/-0.063 χ^2/NDF: 61479.9/111

- sign -38.892+/-0.090 χ^2/NDF: 32012.6/56

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -44.324+/-0.369 χ^2/NDF: 5415.6/29

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -44.542+/-0.396 χ^2/NDF: 5707.5/33

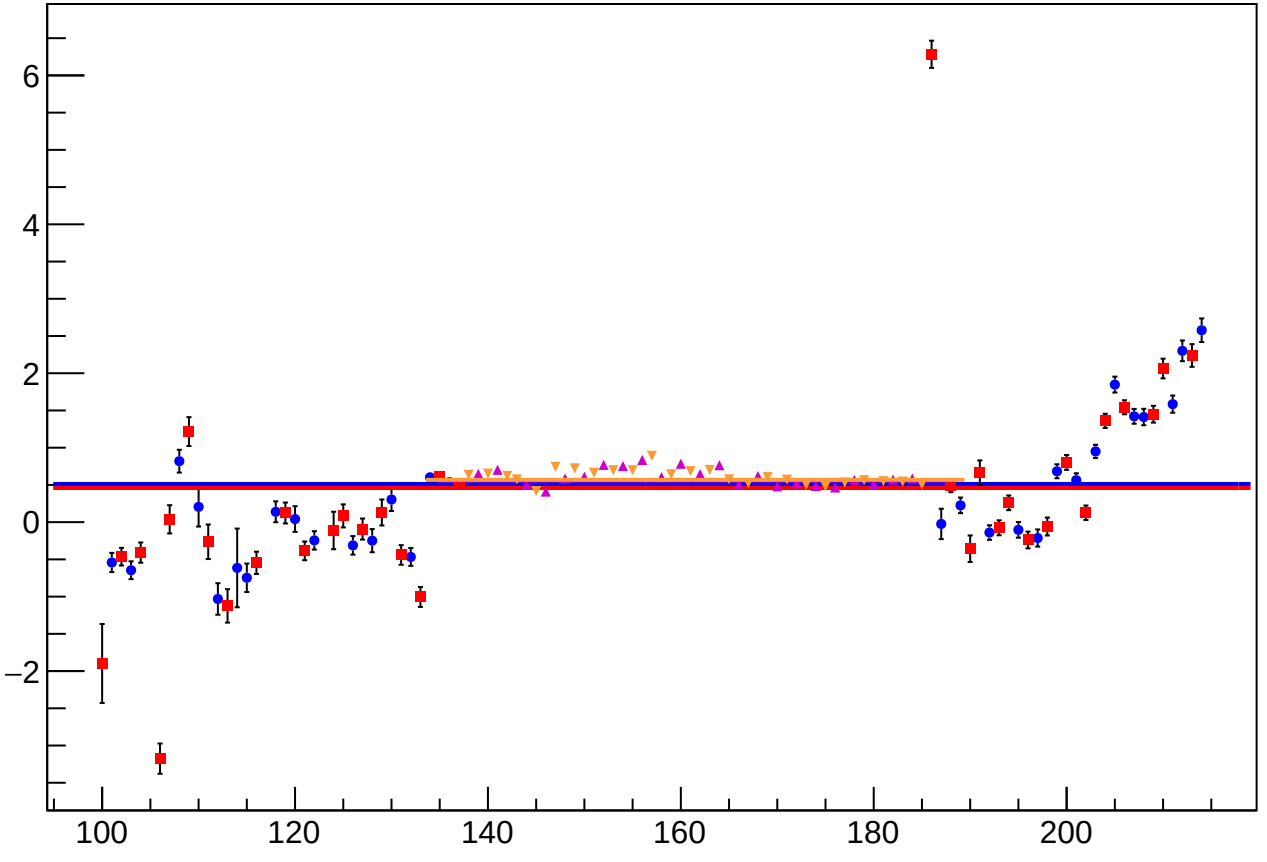
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.132+/-0.081 χ^2/NDF: 15017.1/54

All: -31.767+/-0.058 χ^2/NDF: 29470.3/111

- sign -31.386+/-0.082 χ^2/NDF: 14411.4/56

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.513+/-0.018 χ^2/NDF: 1345.0/29

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.458+/-0.020 χ^2/NDF: 2558.5/33

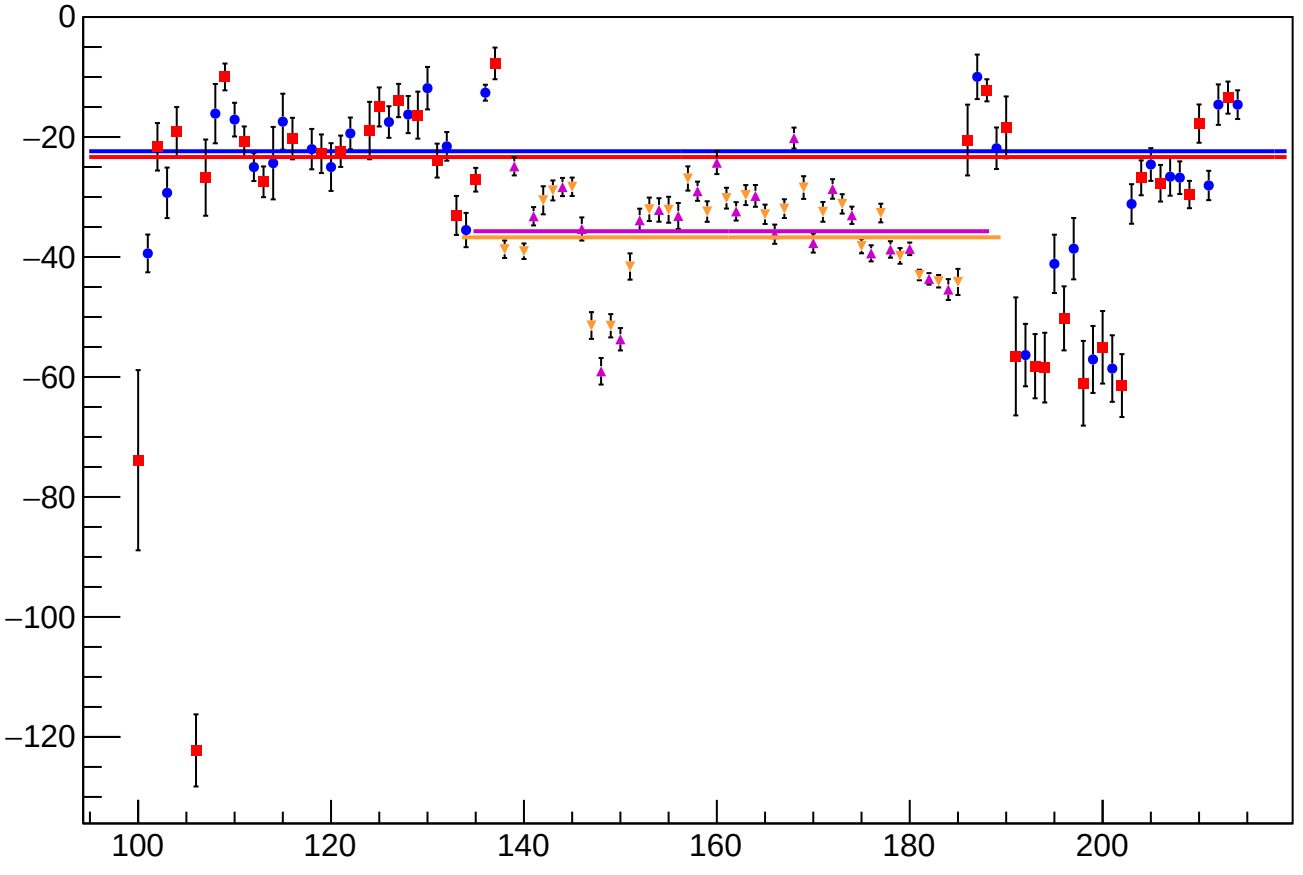
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.566+/-0.004 χ^2/NDF: 1908.6/54

All: 0.561+/-0.003 χ^2/NDF: 5168.2/111

- sign 0.556+/-0.004 χ^2/NDF: 3256.1/56

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.375+/-0.550 χ^2/NDF: 326.5/29

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.344+/-0.561 χ^2/NDF: 683.2/33

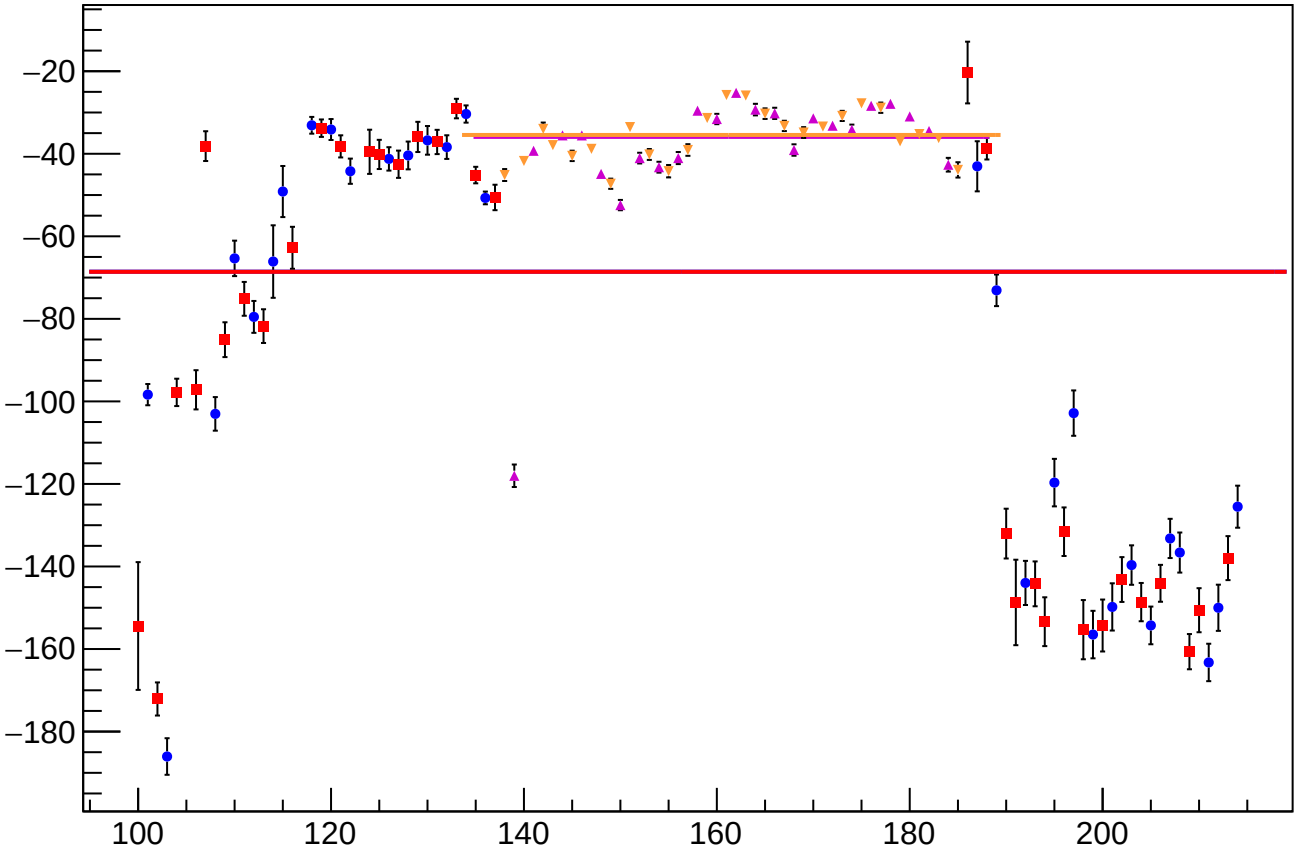
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.266+/-0.270 χ^2/NDF: 1263.0/54

All: -32.958+/-0.194 χ^2/NDF: 2891.9/111

- sign -32.628+/-0.280 χ^2/NDF: 1626.2/56

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -68.564+/-0.627 χ^2/NDF: 4805.1/29

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -68.599+/-0.648 χ^2/NDF: 4940.7/33

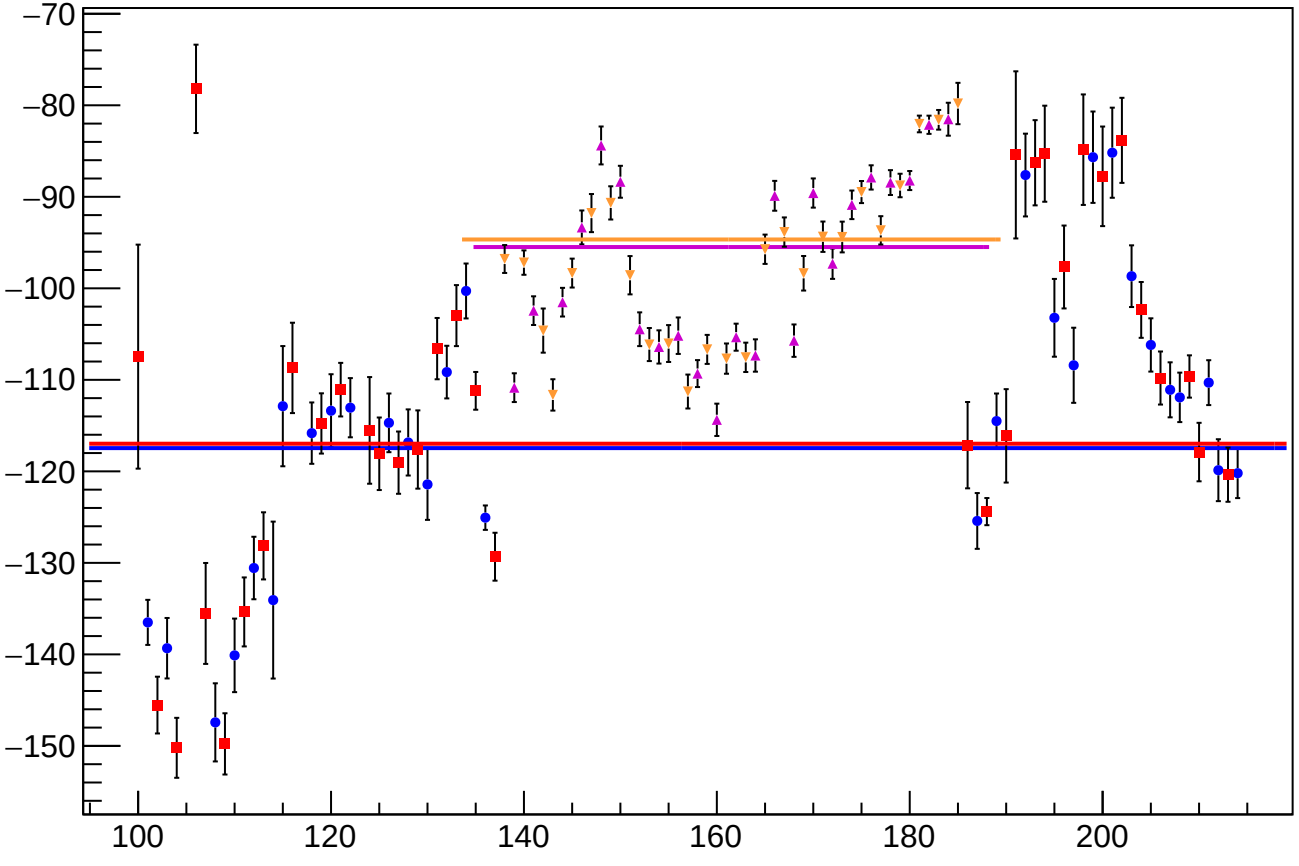
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -39.830+/-0.228 χ^2/NDF: 7766.3/54

All: -40.066+/-0.165 χ^2/NDF: 16450.2/111

- sign -40.324+/-0.238 χ^2/NDF: 8681.6/56

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.460+/-0.570 χ^2/NDF: 497.8/29

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.980+/-0.580 χ^2/NDF: 742.2/33

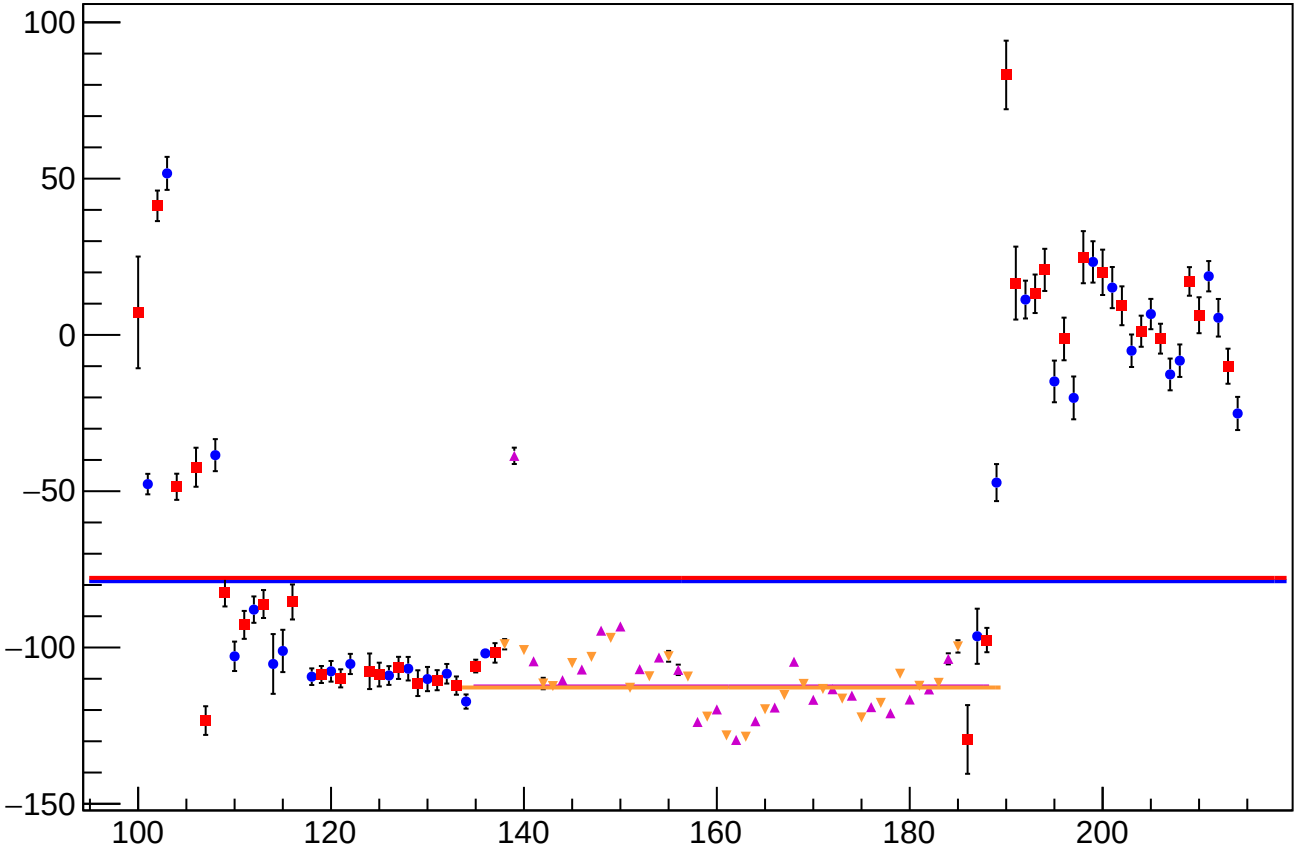
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.869+/-0.272 χ^2/NDF: 2634.3/54

All: -100.190+/-0.195 χ^2/NDF: 5400.1/111

- sign -100.532+/-0.281 χ^2/NDF: 2763.0/56

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -78.793+/-0.705 χ^2/NDF: 4336.6/29

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -77.725+/-0.741 χ^2/NDF: 4499.5/33

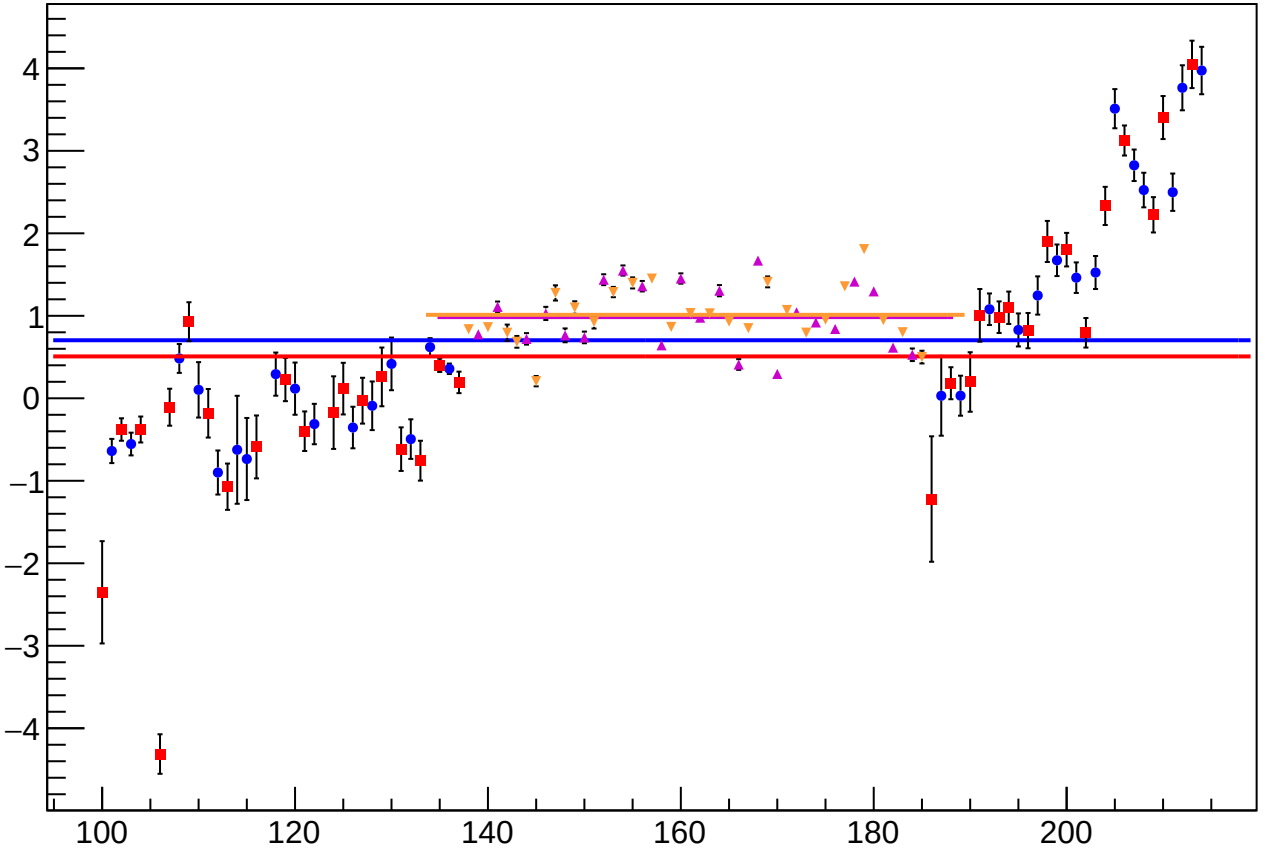
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -108.336+/-0.255 χ^2/NDF: 7291.6/54

All: -108.171+/-0.184 χ^2/NDF: 15495.6/111

- sign -107.993+/-0.266 χ^2/NDF: 8203.1/56

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.704+/-0.034 χ^2/NDF: 1059.4/29

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.508+/-0.036 χ^2/NDF: 1343.7/33

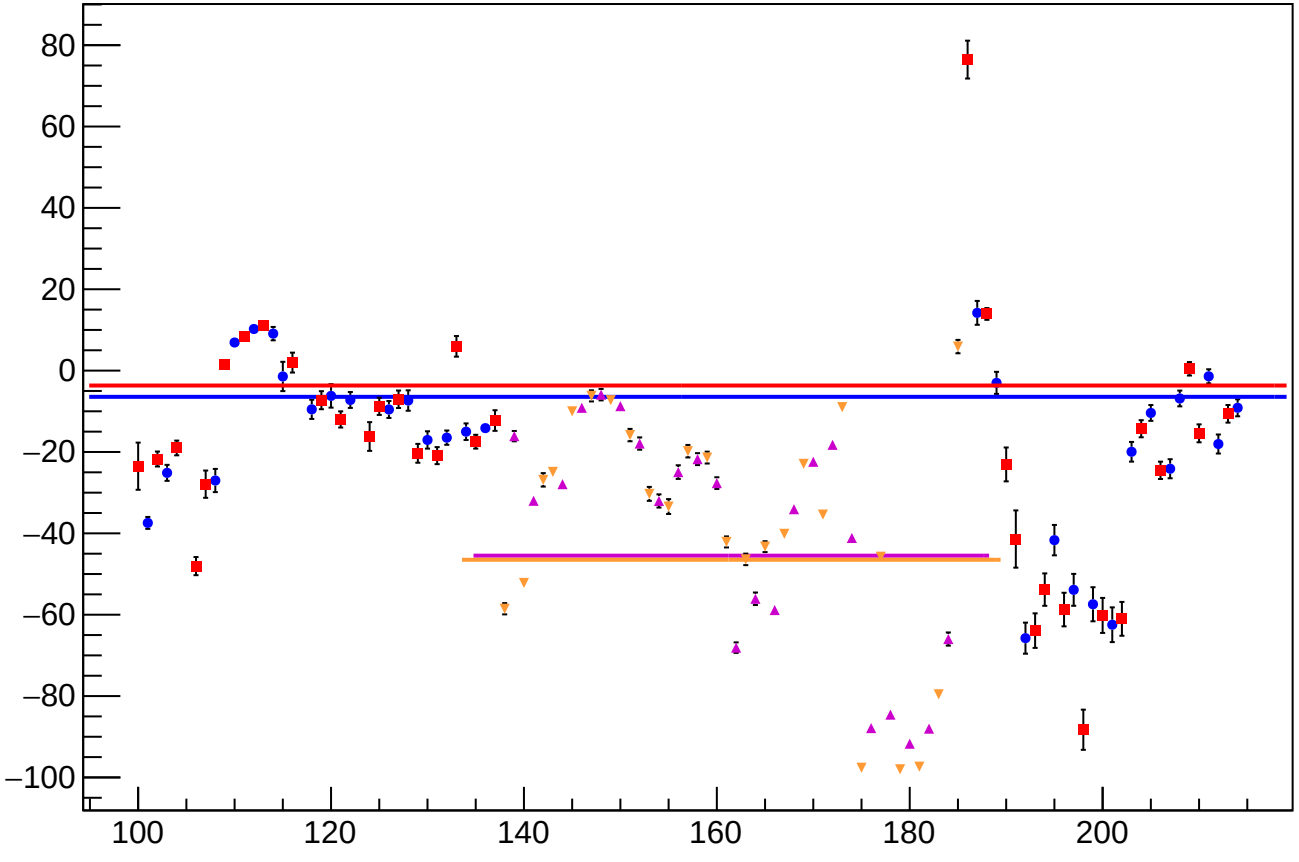
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.976+/-0.012 χ^2/NDF: 1824.0/54

All: 0.954+/-0.008 χ^2/NDF: 4233.8/111

- sign 0.932+/-0.012 χ^2/NDF: 2402.6/56

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.445+/-0.329 χ^2/NDF: 2564.2/29

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.664+/-0.303 χ^2/NDF: 3419.9/33

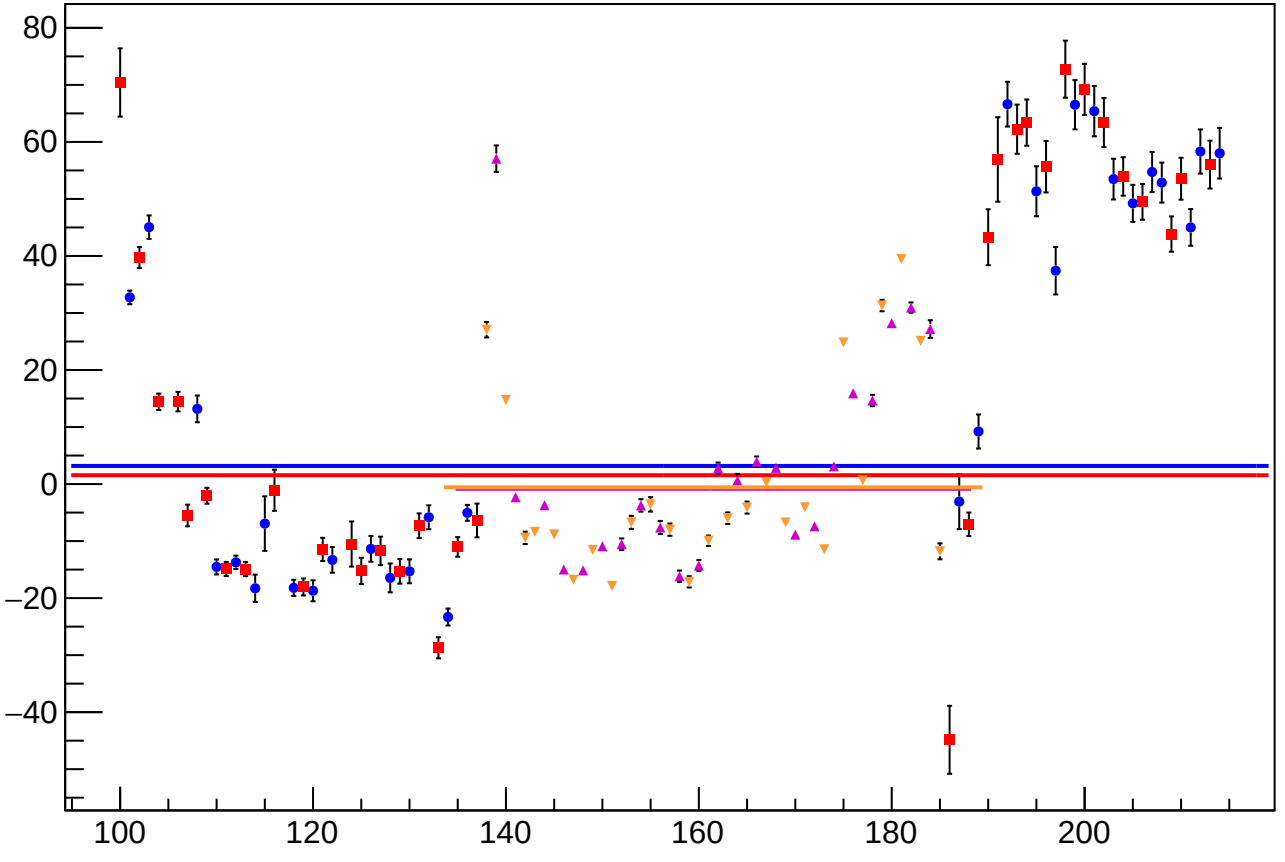
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

\+ sign -33.337+/-0.189 χ^2/NDF: 32563.3/54

All: -31.430+/-0.133 χ^2/NDF: 63551.6/111

\- sign -29.555+/-0.187 χ^2/NDF: 30785.4/56

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 3.180+/-0.396 χ^2/NDF: 4693.6/29

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 1.552+/-0.387 χ^2/NDF: 4236.9/33

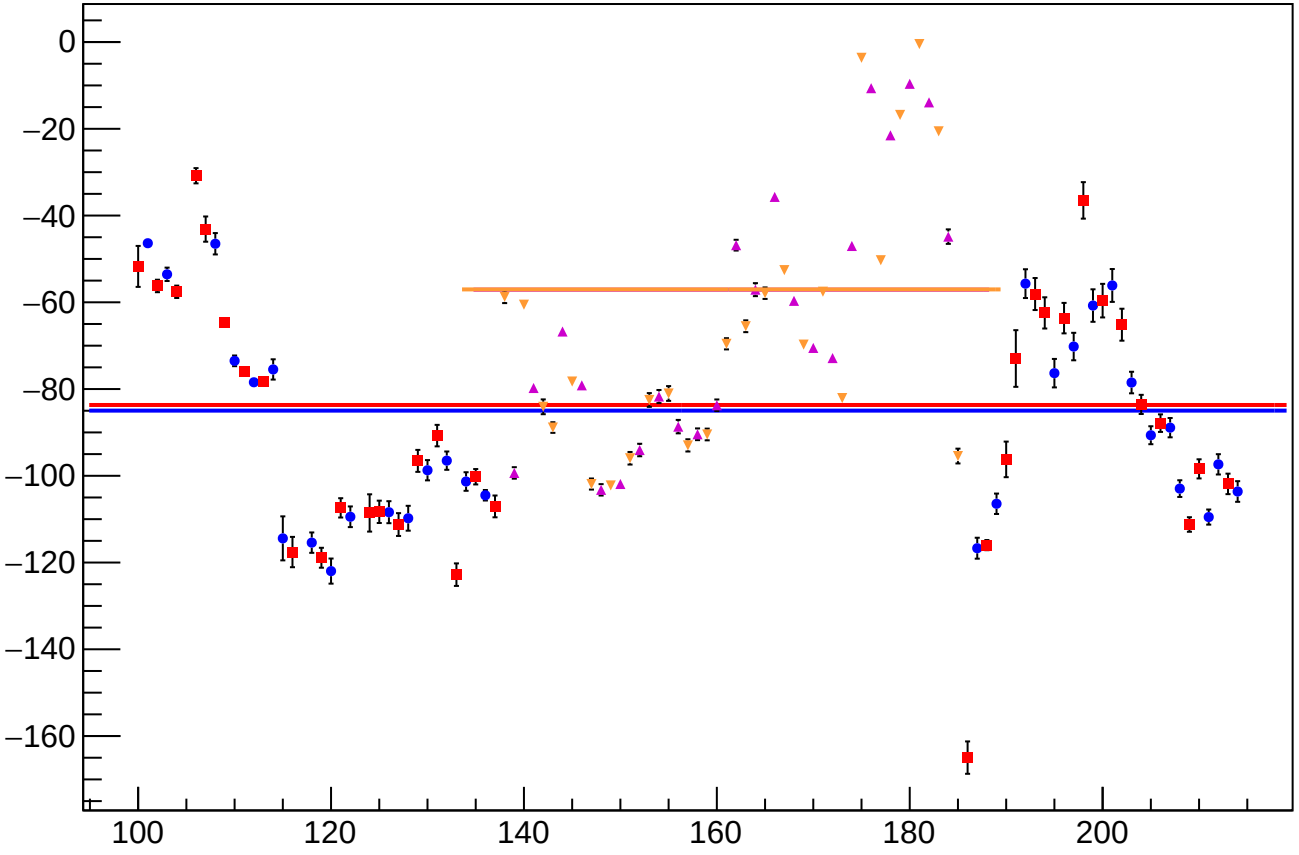
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign 0.053+/-0.162 χ^2/NDF: 13219.8/54

All: -0.165+/-0.116 χ^2/NDF: 23607.9/111

- sign -0.394+/-0.165 χ^2/NDF: 10384.3/56

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -84.974+/-0.364 χ^2/NDF: 3803.2/29

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.674+/-0.348 χ^2/NDF: 5289.2/33

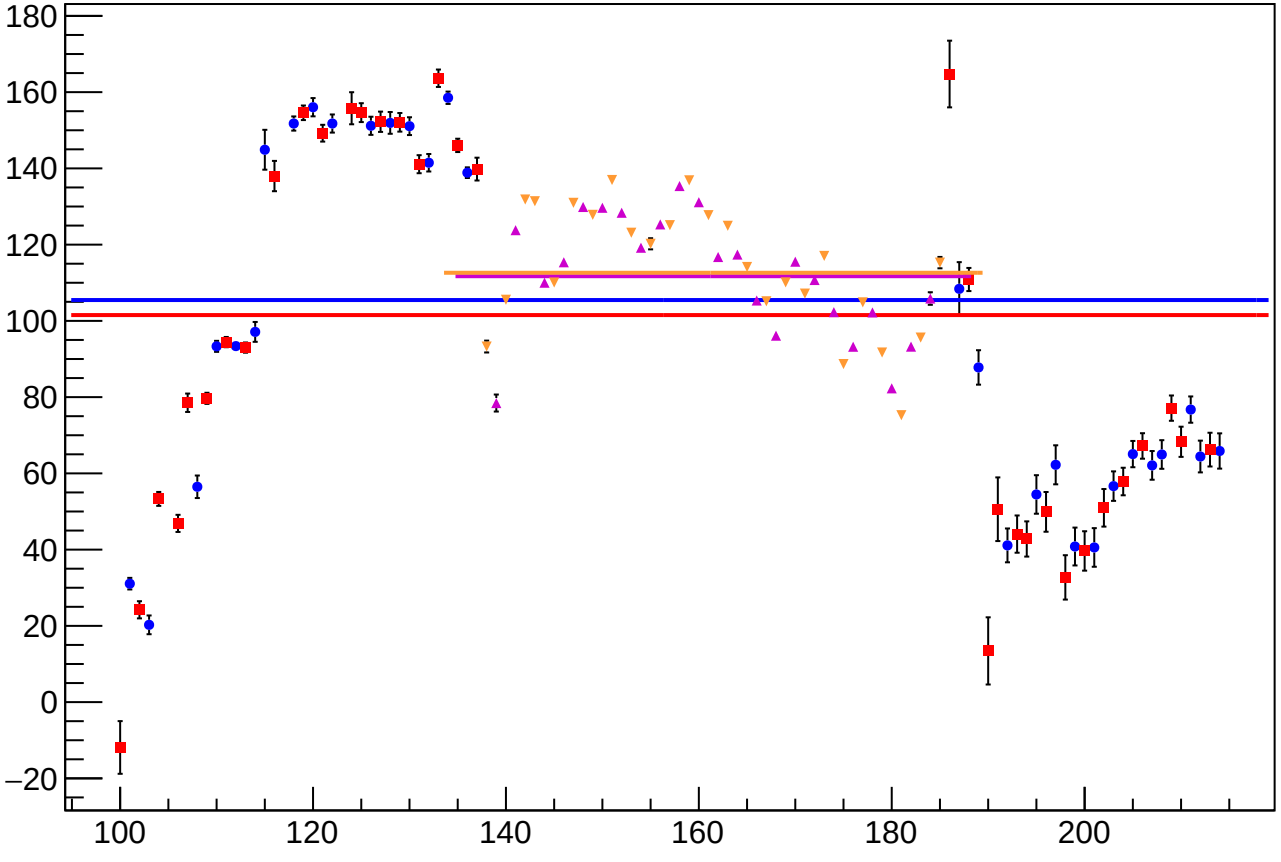
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -64.987+/-0.194 χ^2/NDF: 28320.9/54

All: -65.239+/-0.138 χ^2/NDF: 54772.1/111

\- sign -65.495+/-0.196 χ^2/NDF: 26447.8/56

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 105.467+/-0.450 χ^2/NDF: 9968.5/29

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 101.524+/-0.443 χ^2/NDF: 9125.1/33

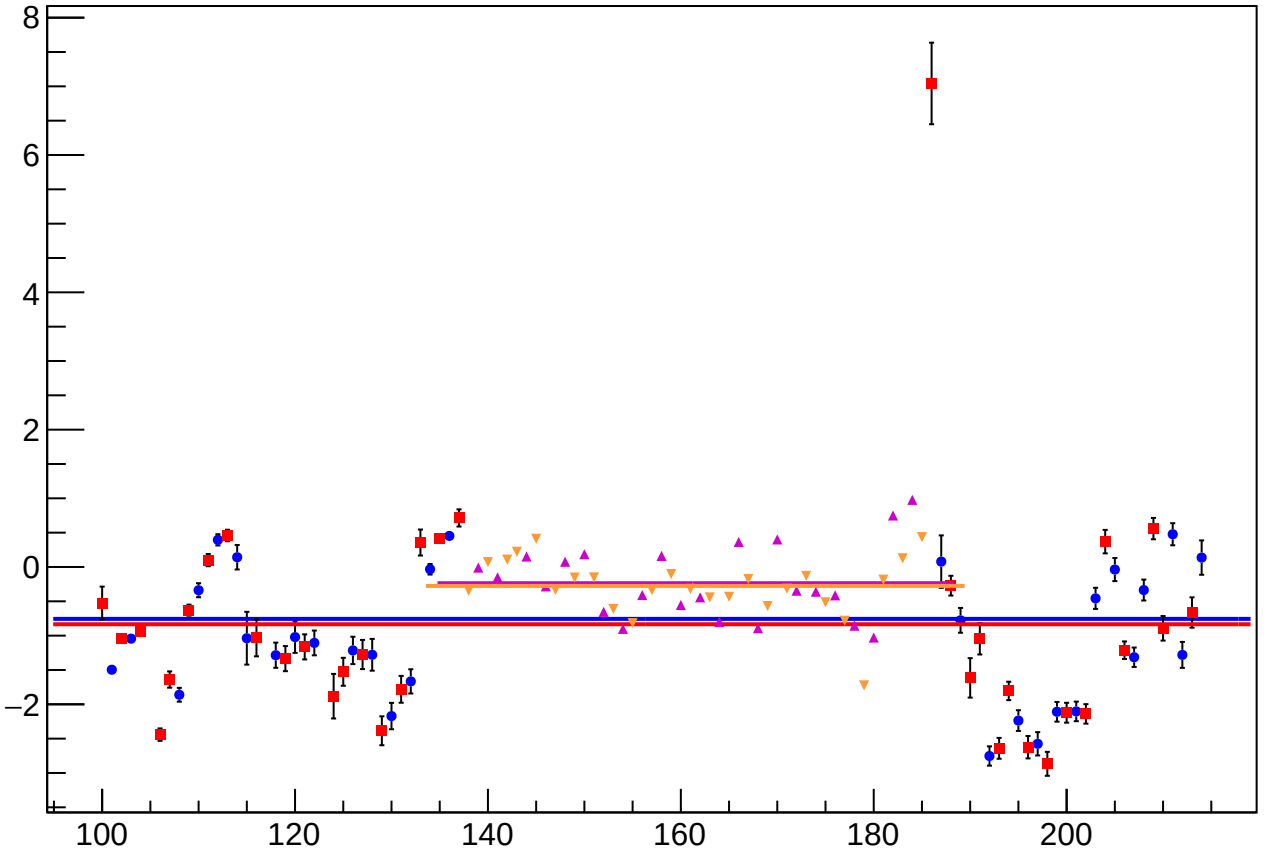
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.445+/-0.183 χ^2/NDF: 16887.8/54

All: 110.691+/-0.131 χ^2/NDF: 31380.8/111

- sign 109.904+/-0.187 χ^2/NDF: 14458.2/56

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.756+/-0.022 χ^2/NDF: 1870.1/29

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.834+/-0.022 χ^2/NDF: 2317.4/33

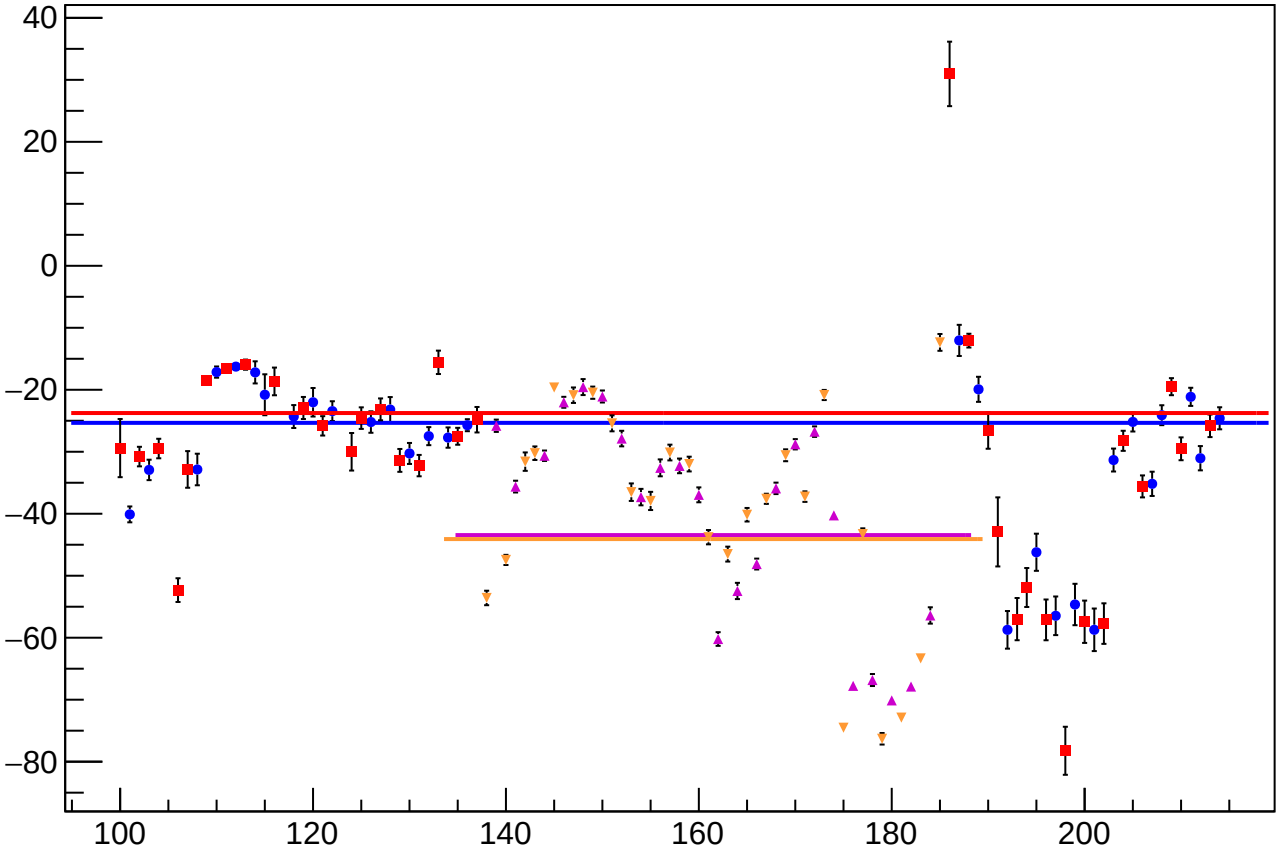
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.343+/-0.008 χ^2/NDF: 4392.8/54

All: -0.335+/-0.006 χ^2/NDF: 10313.0/111

- sign -0.327+/-0.008 χ^2/NDF: 5918.3/56

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.337+/-0.294 χ^2/NDF: 960.6/29

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.754+/-0.277 χ^2/NDF: 1558.7/33

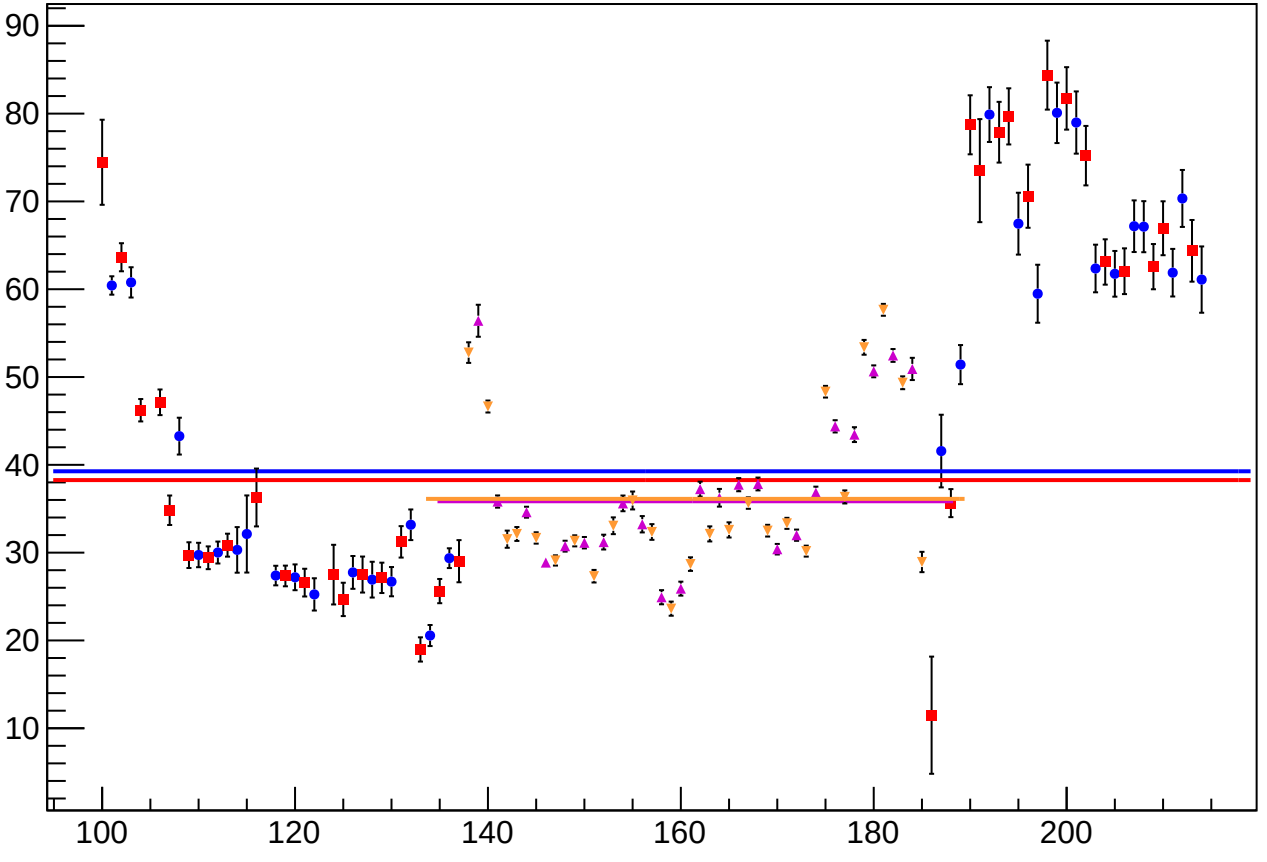
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -38.447+/-0.161 χ^2/NDF: 14139.6/54

All: -37.606+/-0.114 χ^2/NDF: 26904.3/111

- sign -36.764+/-0.162 χ^2/NDF: 12710.4/56

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.266+/-0.341 χ^2/NDF: 2479.3/29

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.263+/-0.336 χ^2/NDF: 2475.0/33

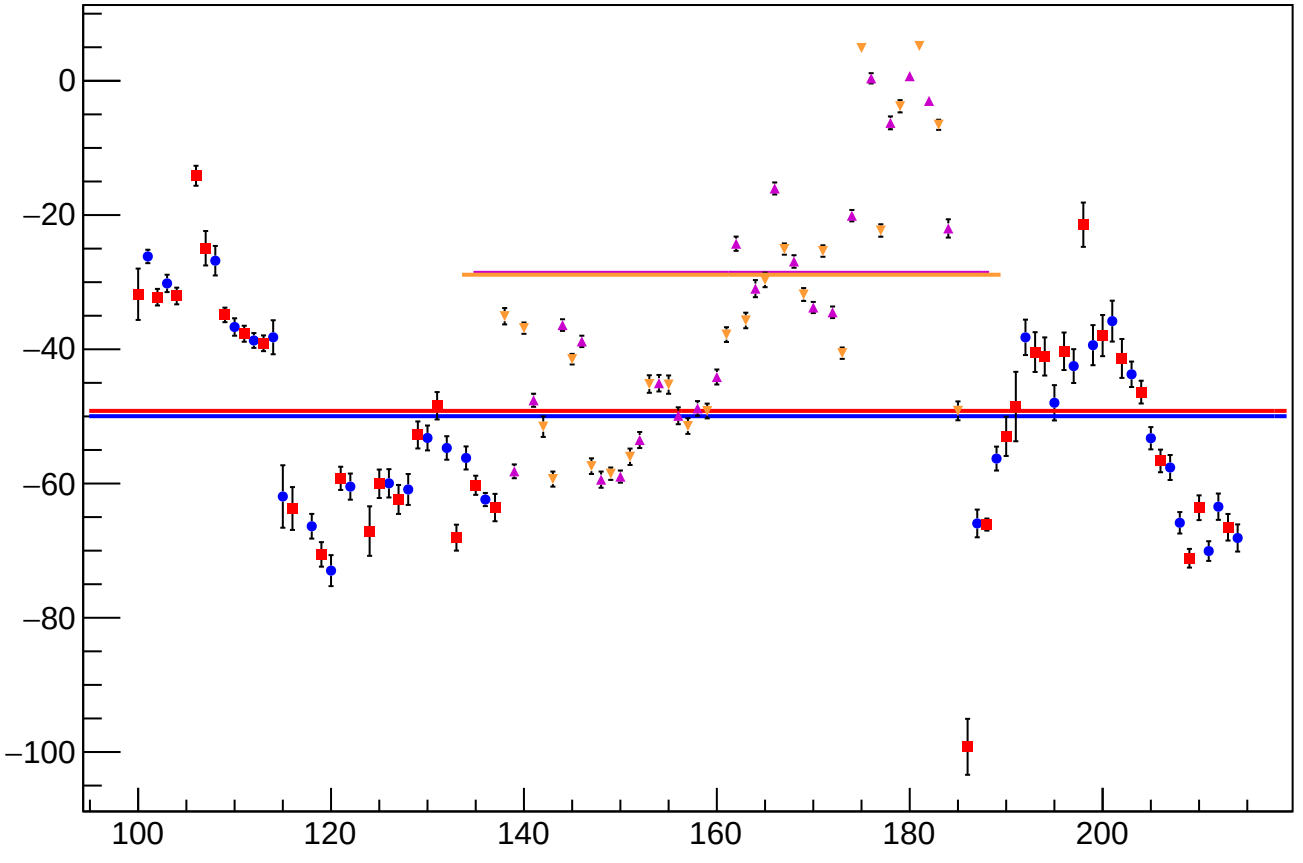
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.634+/-0.137 χ^2/NDF: 6109.2/54

All: 36.459+/-0.098 χ^2/NDF: 10923.5/111

- sign 36.275+/-0.141 χ^2/NDF: 4811.0/56

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -49.968+/-0.315 χ^2/NDF: 2167.0/29

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.175+/-0.303 χ^2/NDF: 2897.5/33

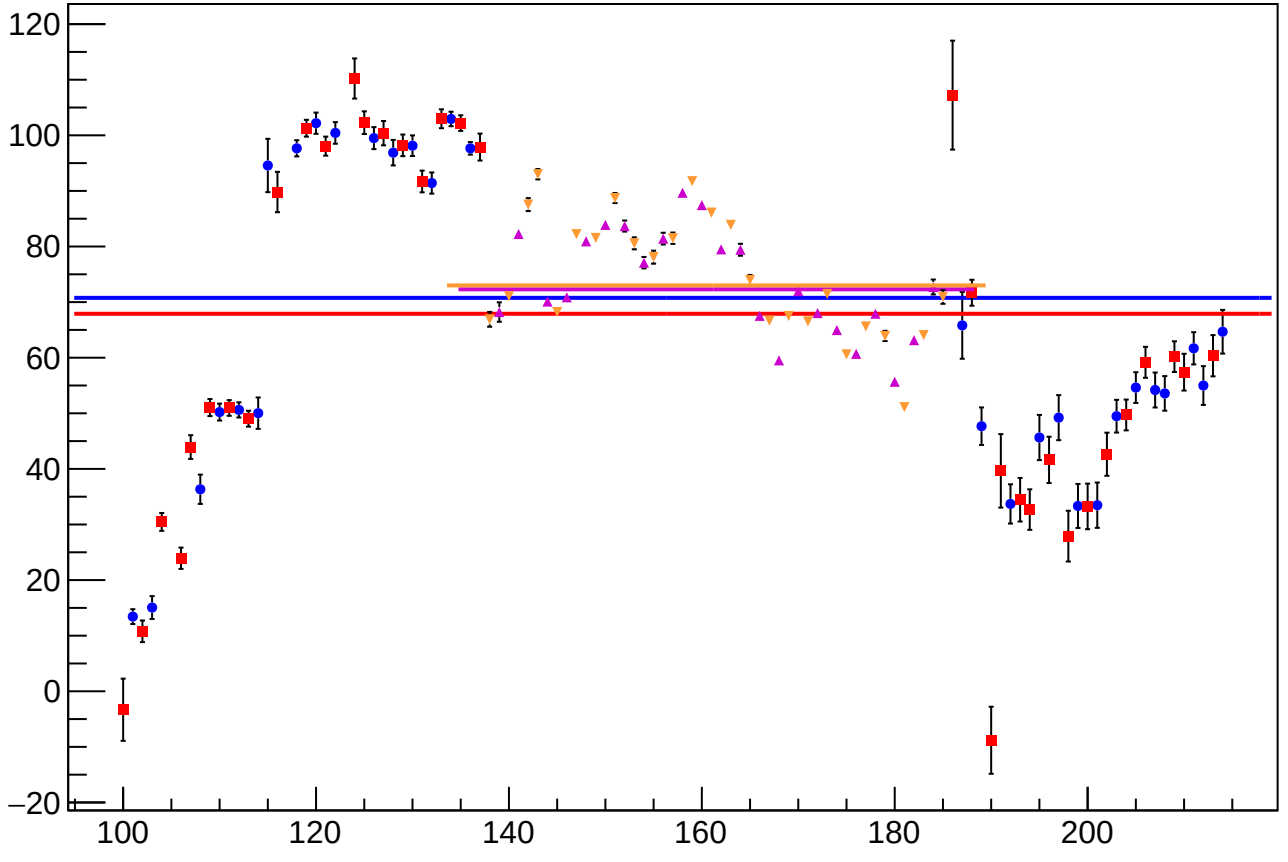
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

\+ sign -34.637+/-0.164 χ^2/NDF: 17225.2/54

All: -34.691+/-0.117 χ^2/NDF: 33367.3/111

\- sign -34.746+/-0.166 χ^2/NDF: 16142.0/56

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.769+/-0.388 χ^2/NDF: 6503.1/29

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.903+/-0.387 χ^2/NDF: 6368.9/33

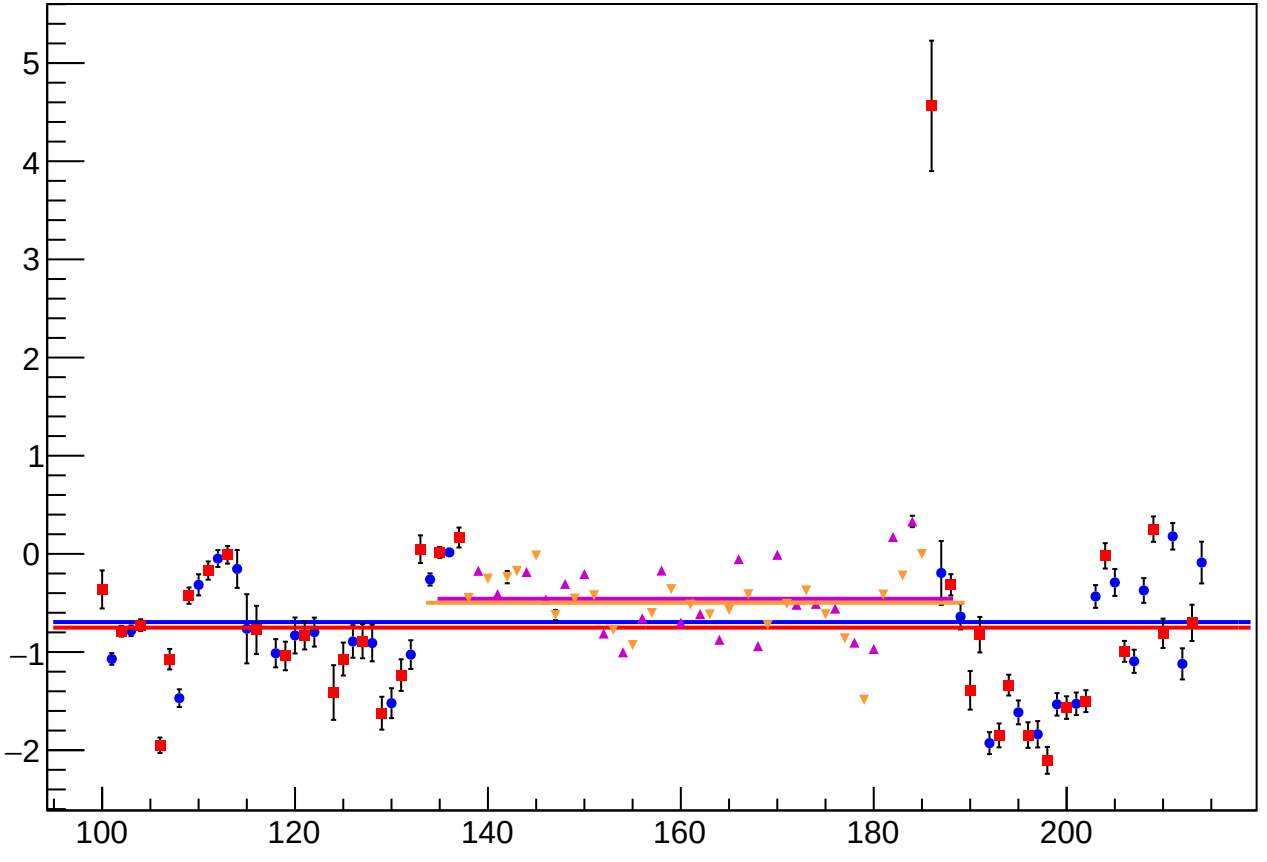
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.648+/-0.155 χ^2/NDF: 10583.4/54

All: 72.120+/-0.111 χ^2/NDF: 19996.6/111

- sign 71.566+/-0.158 χ^2/NDF: 9389.2/56

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.695+/-0.019 χ^2/NDF: 977.7/29

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.751+/-0.019 χ^2/NDF: 1290.3/33

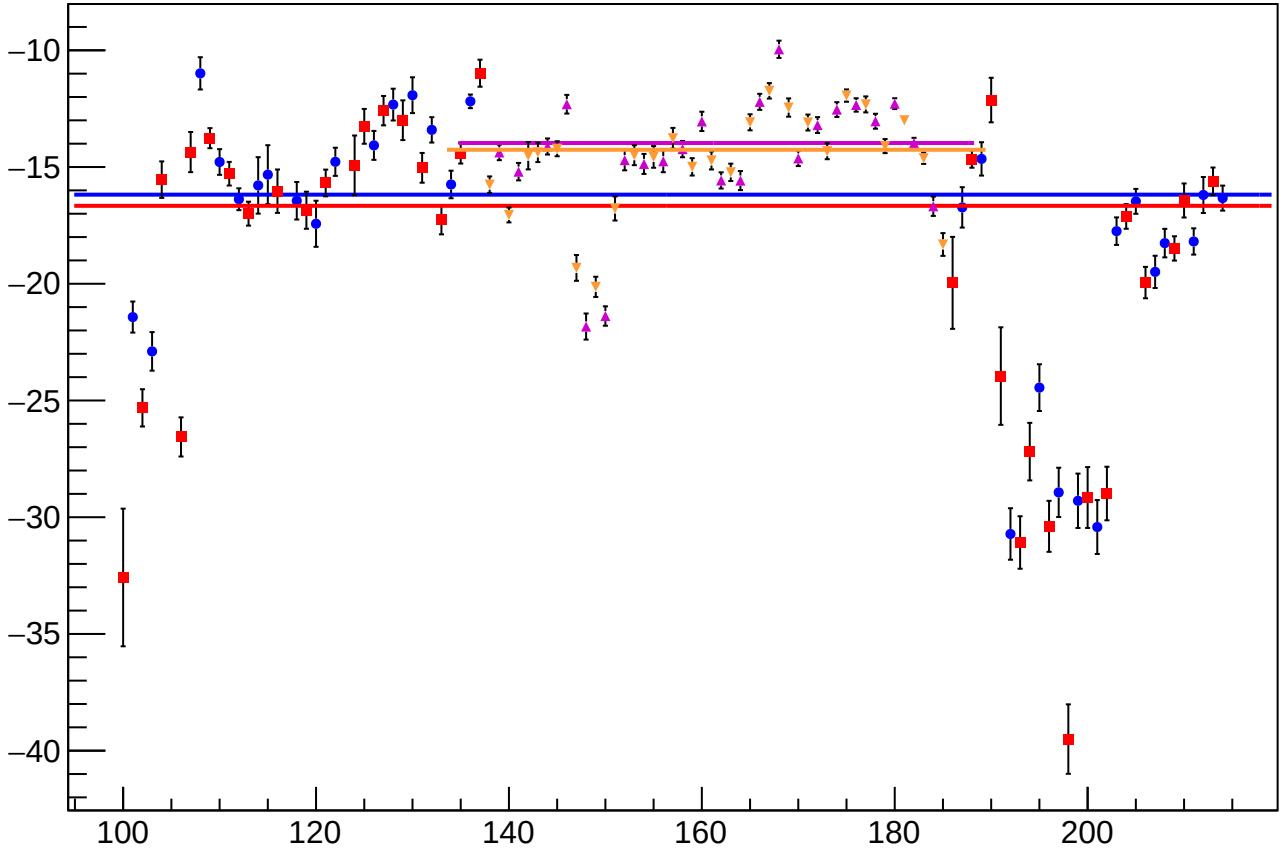
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.525+/-0.007 χ^2/NDF: 2554.9/54

All: -0.513+/-0.005 χ^2/NDF: 6167.4/111

- sign -0.500+/-0.007 χ^2/NDF: 3606.2/56

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.183+/-0.118 χ^2/NDF: 1213.7/29

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.661+/-0.118 χ^2/NDF: 1510.4/33

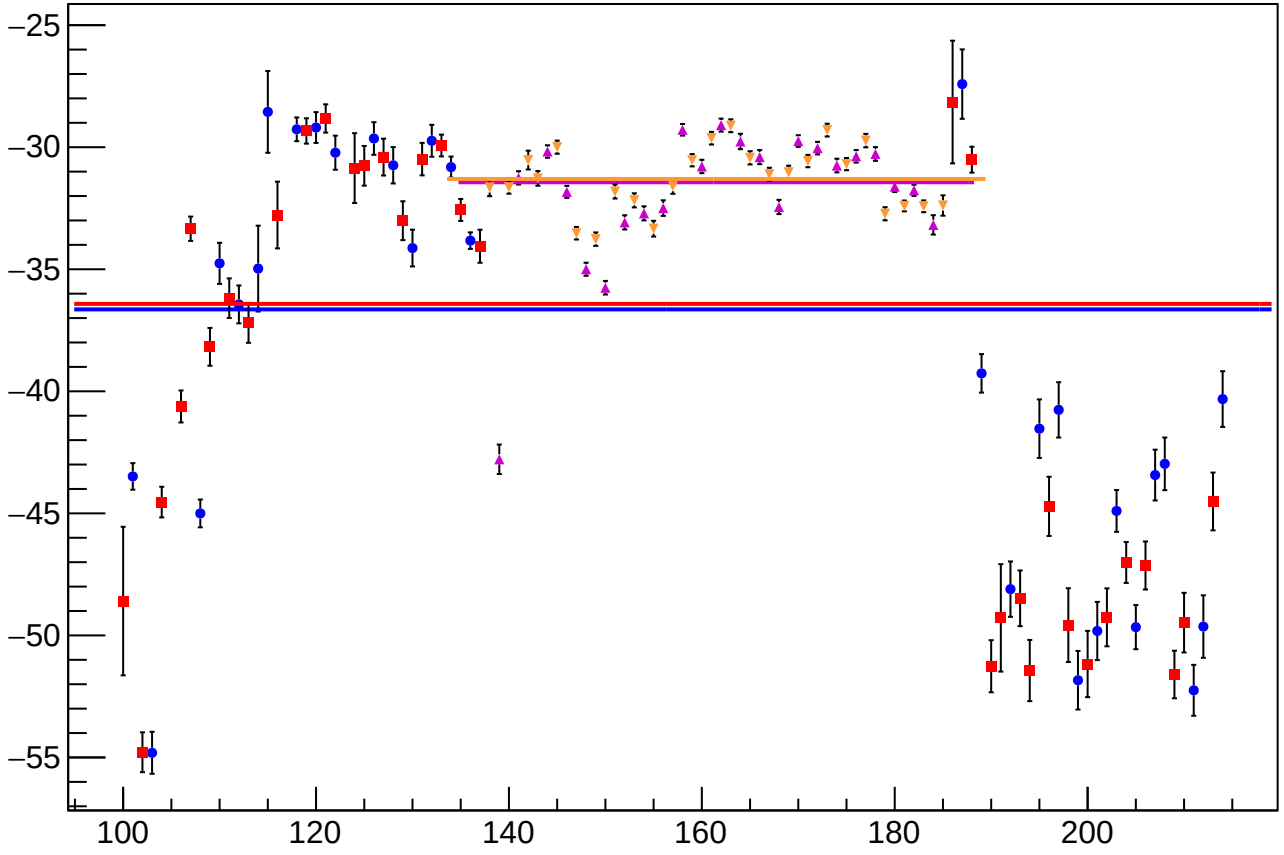
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.758+/-0.060 χ^2/NDF: 2134.4/54

All: -14.728+/-0.043 χ^2/NDF: 4932.0/111

- sign -14.698+/-0.061 χ^2/NDF: 2797.1/56

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.645+/-0.135 χ^2/NDF: 3031.8/29

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.419+/-0.134 χ^2/NDF: 3318.8/33

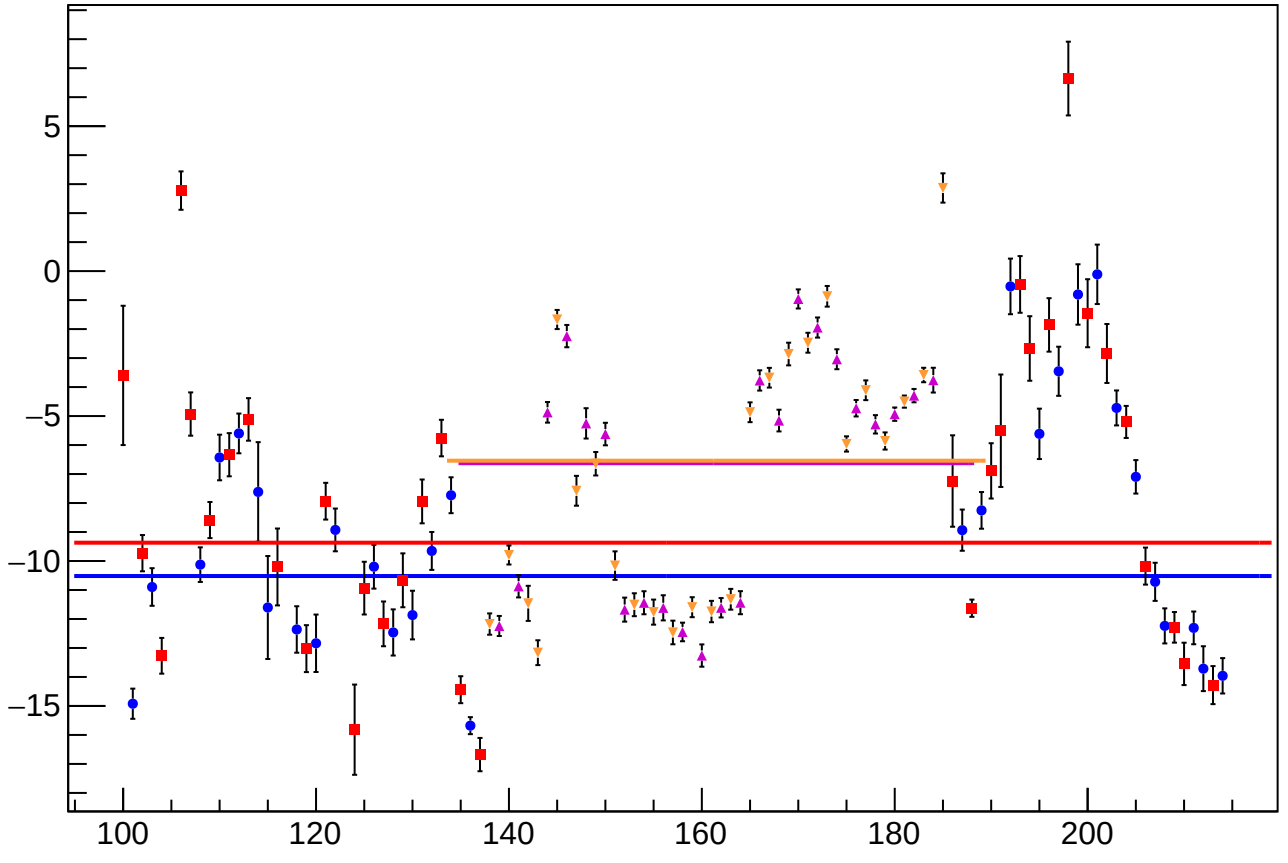
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.068+/-0.051 χ^2/NDF: 4929.5/54

All: -32.134+/-0.037 χ^2/NDF: 10633.3/111

- sign -32.205+/-0.053 χ^2/NDF: 5700.3/56

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.519+/-0.122 χ^2/NDF: 1121.9/29

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.368+/-0.121 χ^2/NDF: 1527.2/33

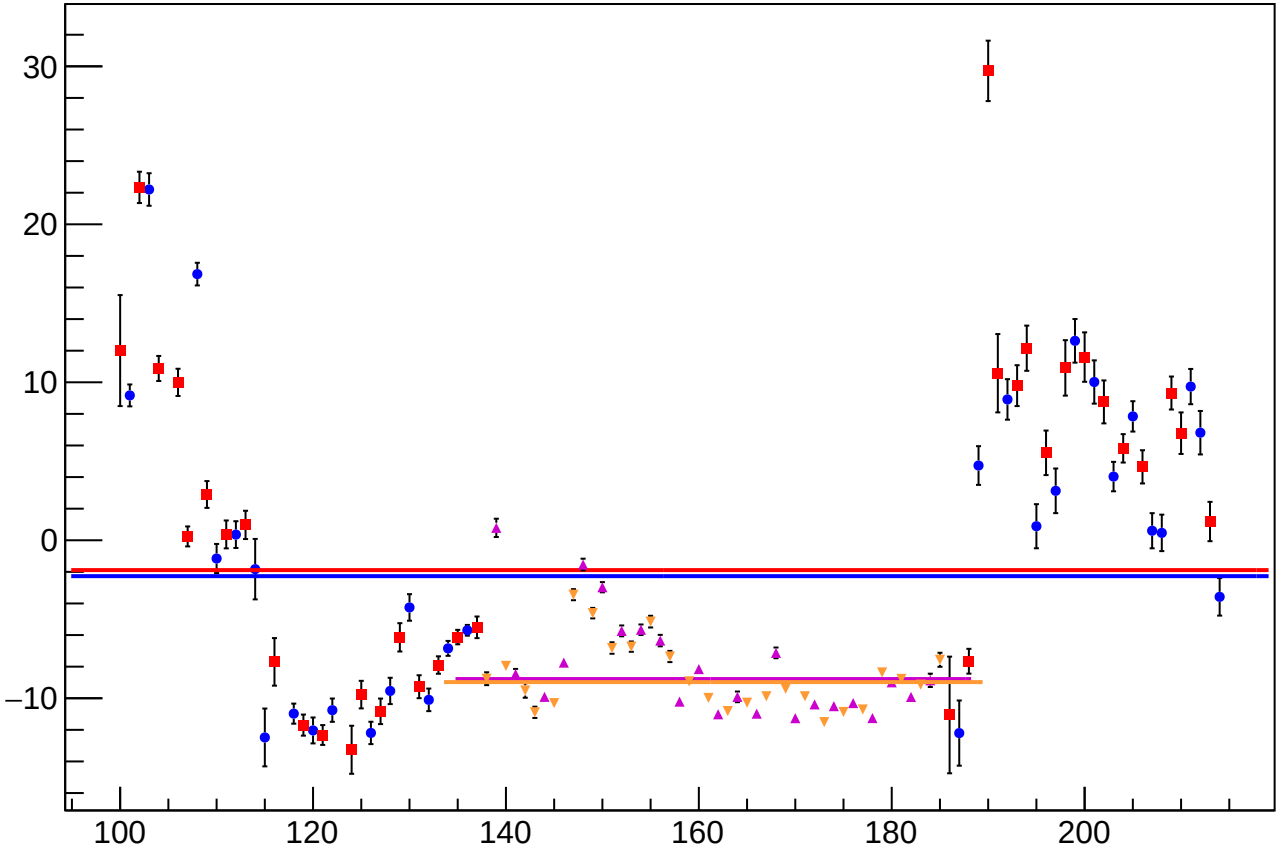
Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.518+/-0.060 χ^2/NDF: 5169.6/54

All: -7.429+/-0.043 χ^2/NDF: 9991.5/111

- sign -7.336+/-0.061 χ^2/NDF: 4817.5/56

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -2.272+/-0.152 χ^2/NDF: 3324.0/29

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -1.889+/-0.155 χ^2/NDF: 3276.7/33

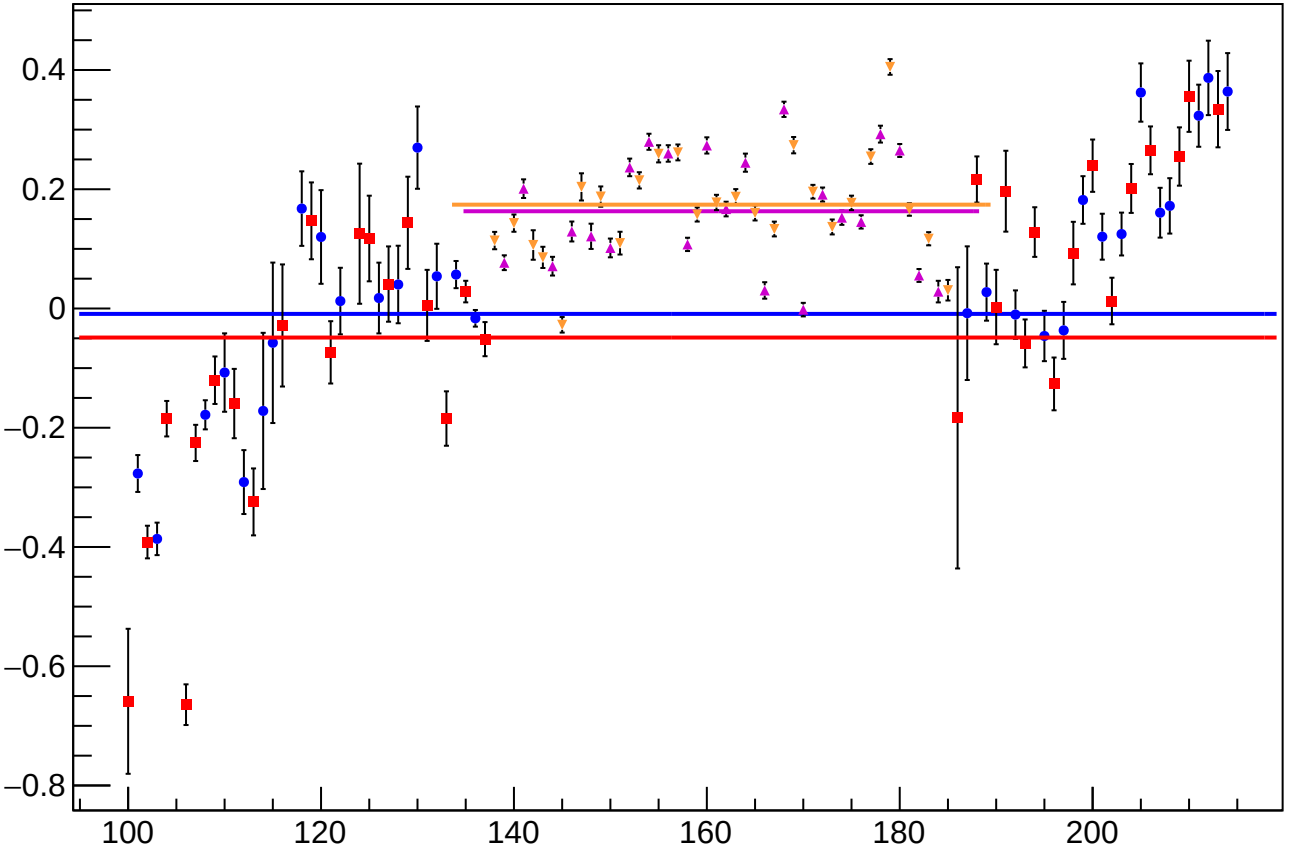
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.036+/-0.057 χ^2/NDF: 5967.3/54

All: -7.921+/-0.041 χ^2/NDF: 12630.7/111

- sign -7.798+/-0.059 χ^2/NDF: 6654.9/56

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.009+/-0.007 χ^2/NDF: 637.8/29

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.049+/-0.007 χ^2/NDF: 1000.8/33

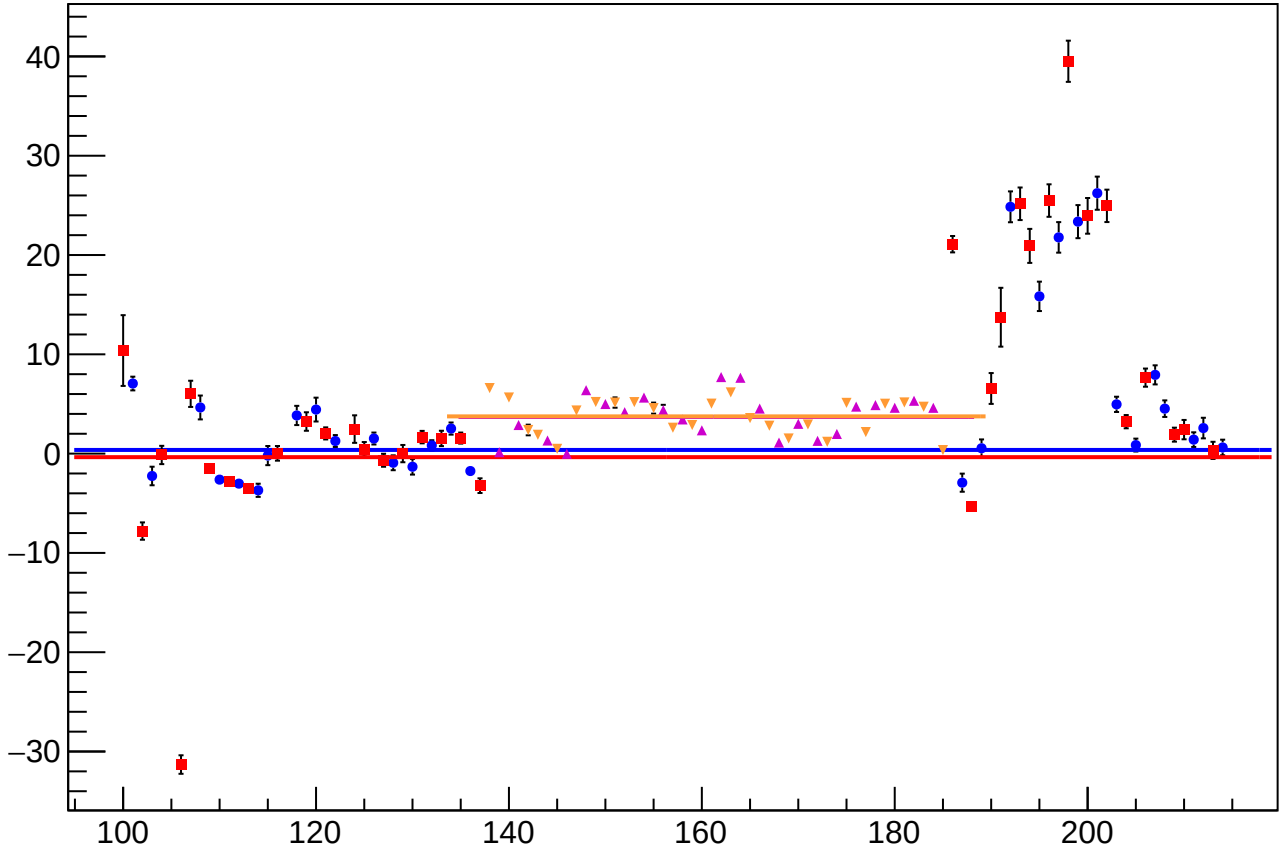
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.150+/-0.003 χ^2/NDF: 2148.9/54

All: 0.144+/-0.002 χ^2/NDF: 5093.4/111

- sign 0.136+/-0.003 χ^2/NDF: 2929.8/56

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.370+/-0.120 χ^2/NDF: 1589.2/29

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

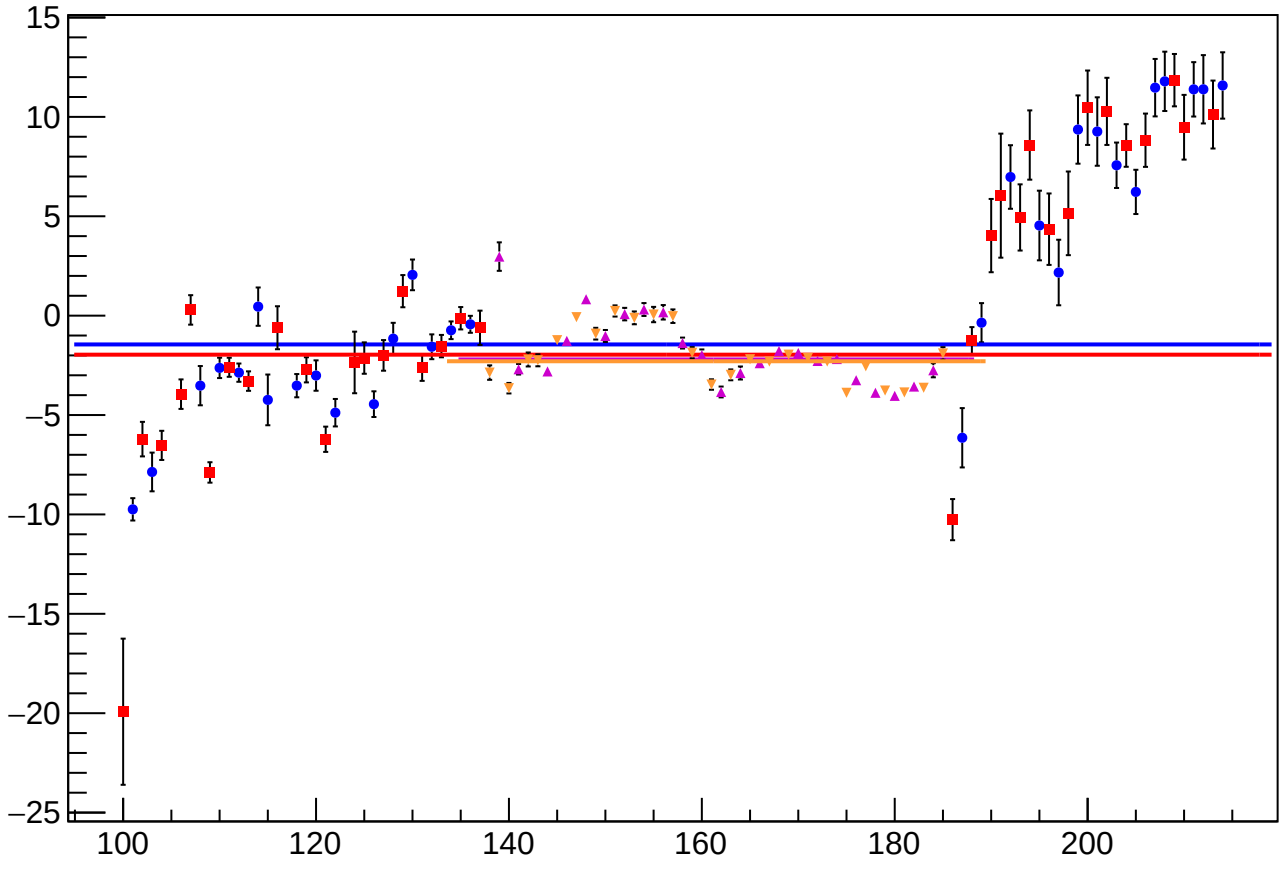
Right Out: -0.356+/-0.114 χ^2/NDF: 3861.1/33

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.042+/-0.055 χ^2/NDF: 3022.4/54

All: 2.885+/-0.039 χ^2/NDF: 8808.3/111

- sign 2.724+/-0.056 χ^2/NDF: 5769.4/56



Right In: -1.448+/-0.144 χ^2/NDF: 987.9/29

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.963+/-0.144 χ^2/NDF: 950.4/33

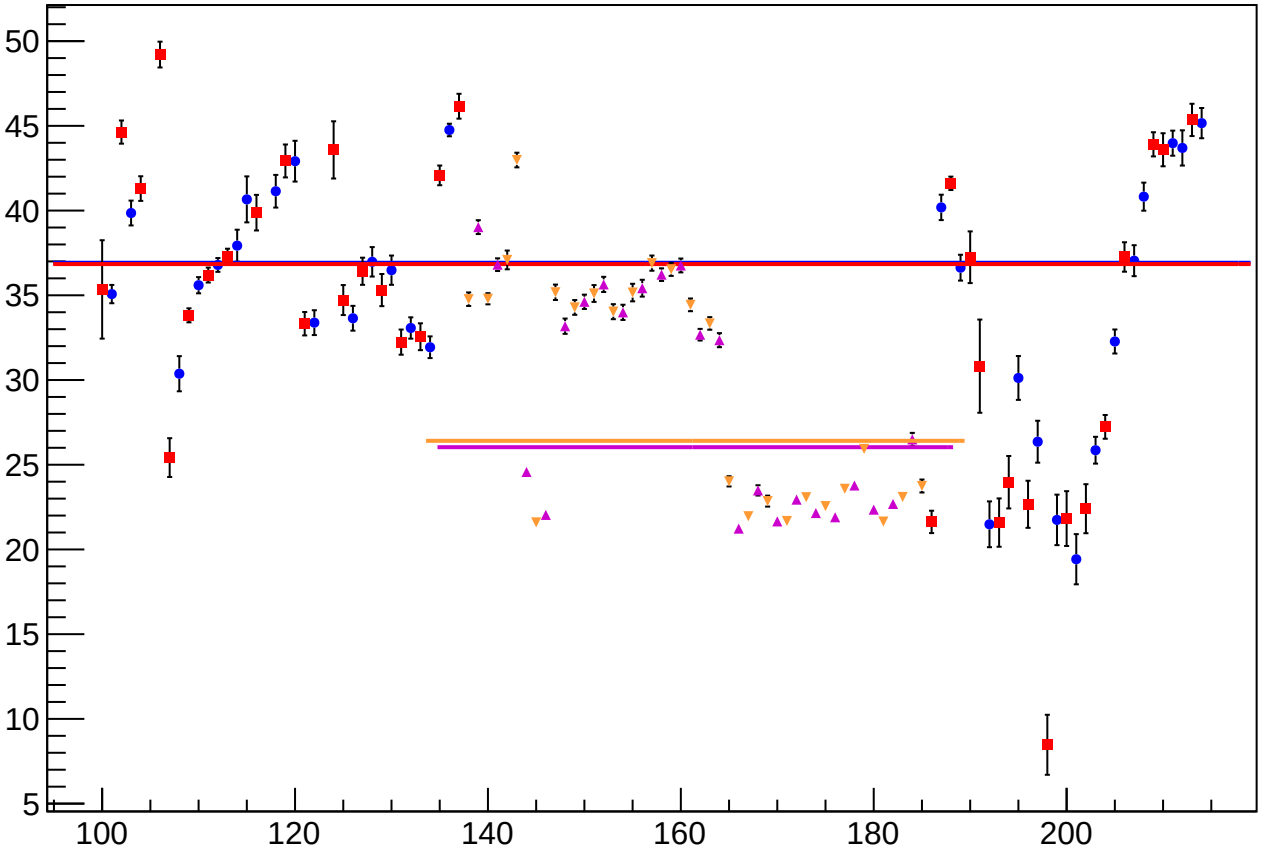
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.205+/-0.047 χ^2/NDF: 1650.0/54

All: -2.192+/-0.034 χ^2/NDF: 3327.8/111

- sign -2.178+/-0.048 χ^2/NDF: 1677.6/56

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.920+/-0.135 χ^2/NDF: 1690.6/29

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.842+/-0.131 χ^2/NDF: 2821.6/33

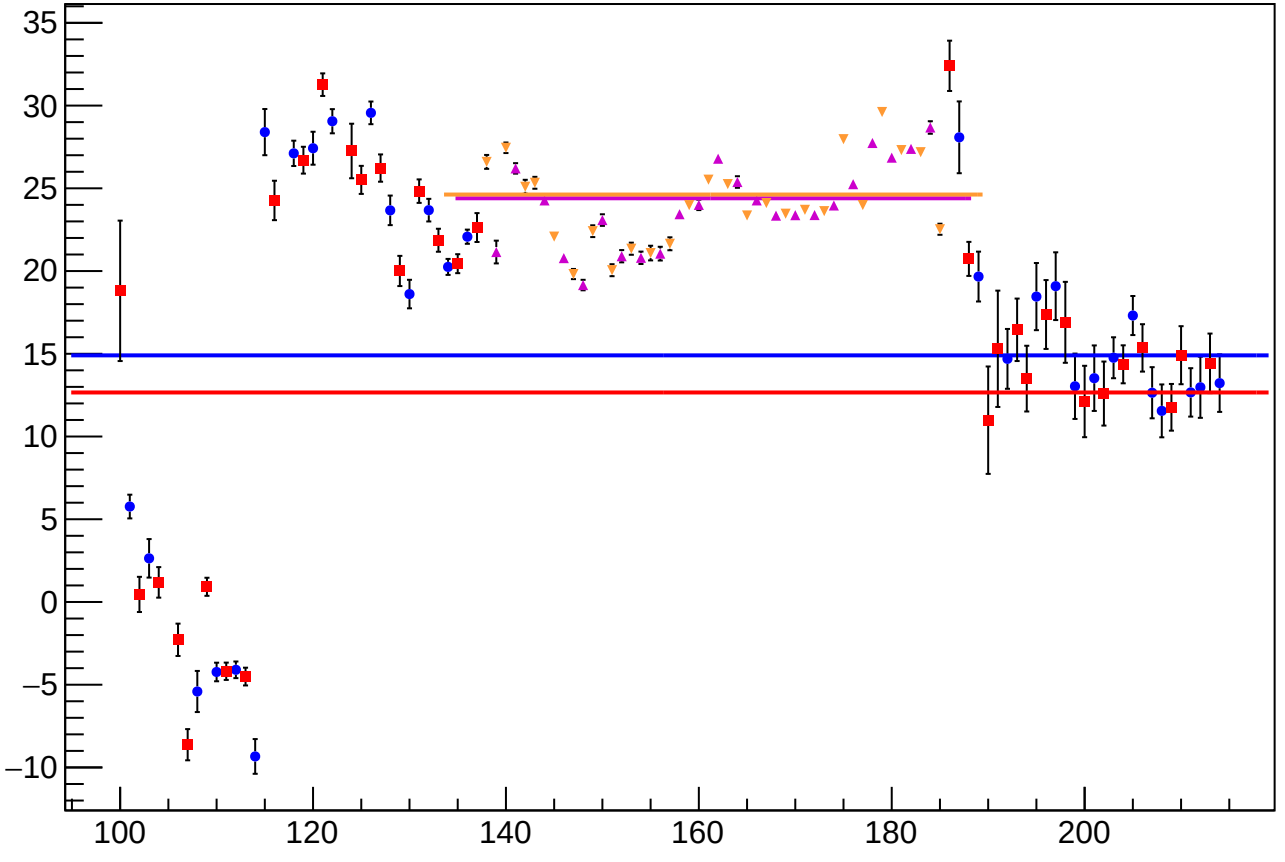
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

\+ sign 28.263+/-0.057 χ^2/NDF: 15931.6/54

All: 28.194+/-0.040 χ^2/NDF: 32126.8/111

\- sign 28.123+/-0.057 χ^2/NDF: 16192.2/56

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.905+/-0.162 χ^2/NDF: 5757.2/29

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.662+/-0.164 χ^2/NDF: 6373.7/33

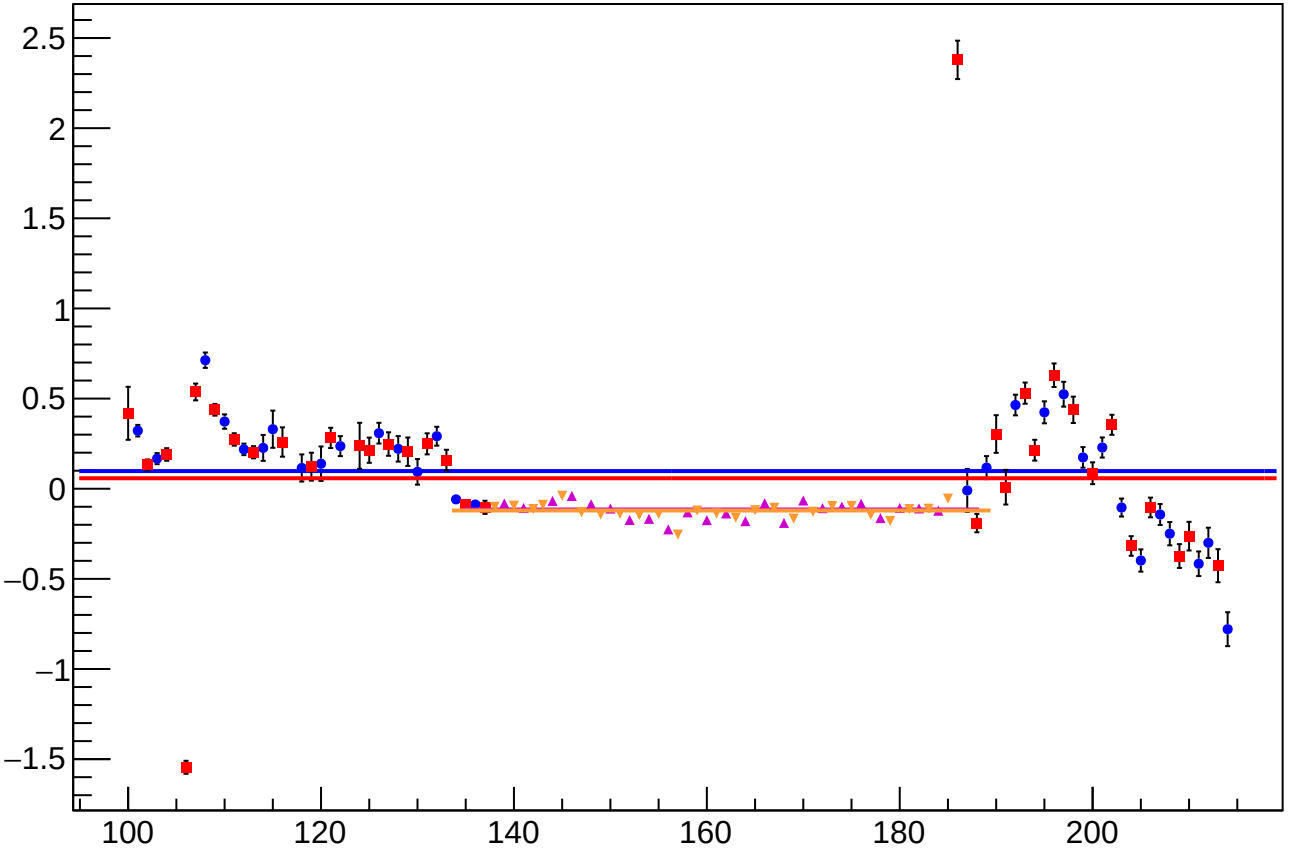
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.609+/-0.052 χ^2/NDF: 10948.2/54

All: 23.384+/-0.037 χ^2/NDF: 23670.5/111

- sign 23.149+/-0.053 χ^2/NDF: 12684.3/56

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.098+/-0.008 χ^2/NDF: 936.1/29

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.058+/-0.008 χ^2/NDF: 3271.7/33

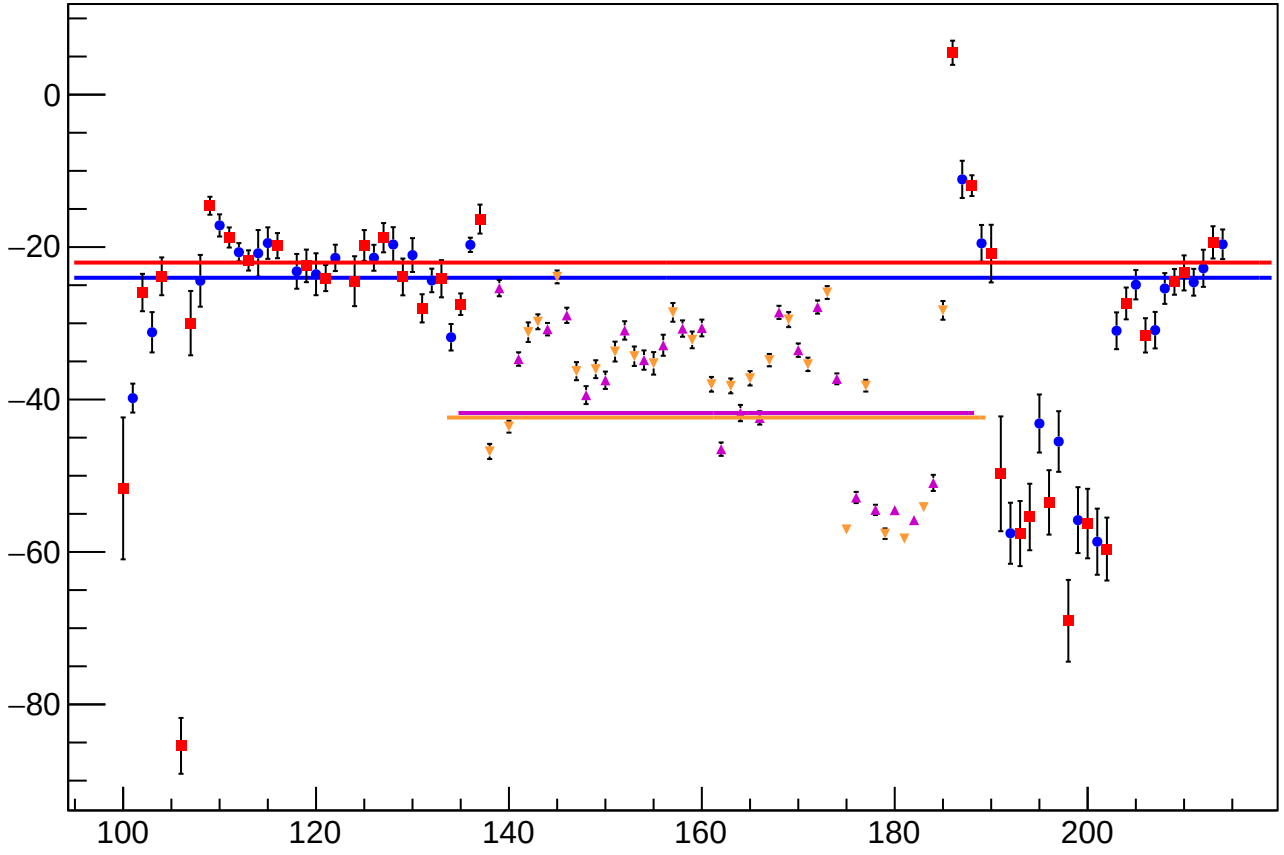
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.103+/-0.002 χ^2/NDF: 1844.4/54

All: -0.102+/-0.002 χ^2/NDF: 5792.2/111

- sign -0.101+/-0.002 χ^2/NDF: 3947.6/56

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -24.027+/-0.364 χ^2/NDF: 460.5/29

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -22.032+/-0.358 χ^2/NDF: 1204.1/33

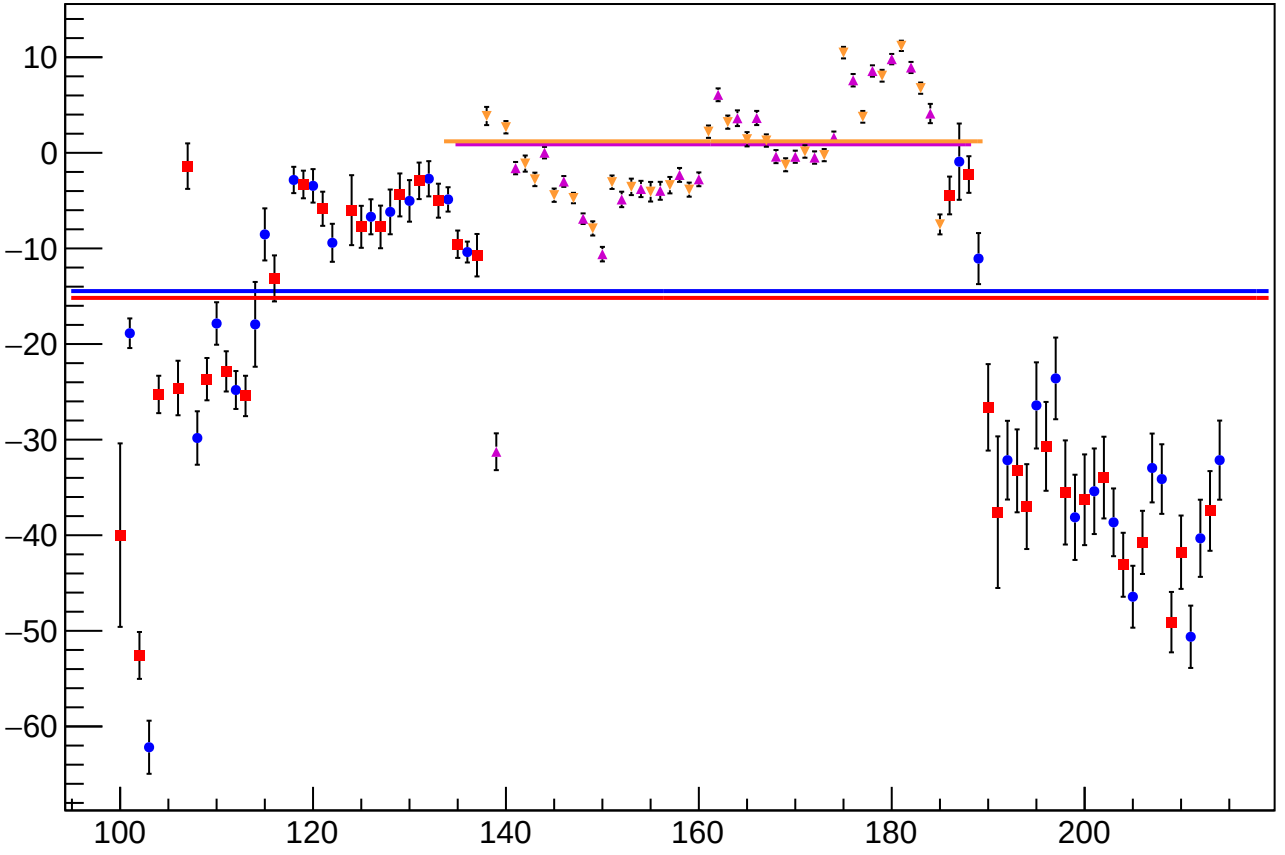
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -38.914+/-0.158 χ^2/NDF: 6999.8/54

All: -38.334+/-0.113 χ^2/NDF: 14106.2/111

- sign -37.722+/-0.162 χ^2/NDF: 7078.6/56

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -14.462+/-0.413 χ^2/NDF: 1121.7/29

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

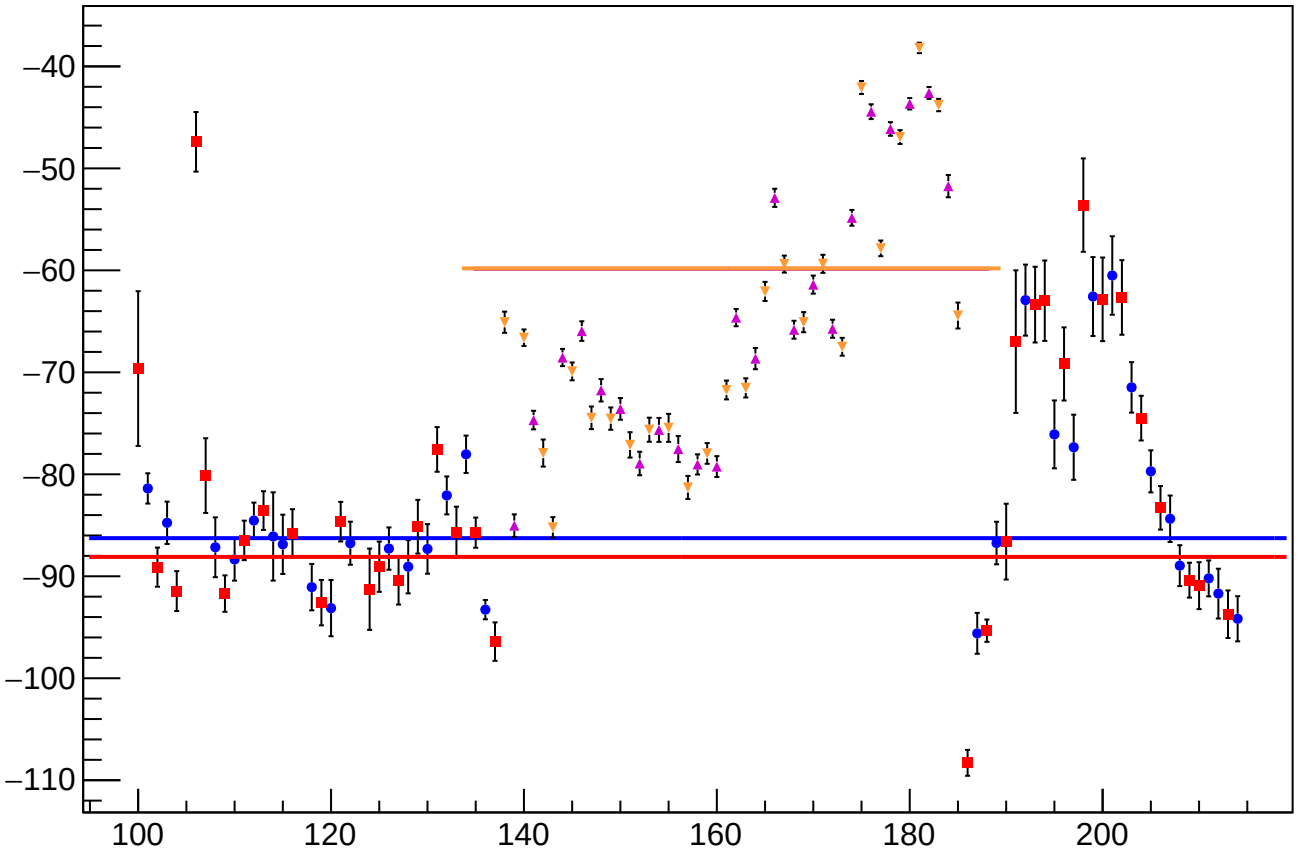
Right Out: -15.176+/-0.422 χ^2/NDF: 1119.0/33

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.376+/-0.131 χ^2/NDF: 3881.4/54

All: -0.562+/-0.094 χ^2/NDF: 8066.1/111

- sign -0.761+/-0.135 χ^2/NDF: 4180.5/56



Right In: -86.261+/-0.385 χ^2/NDF: 342.8/29

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.102+/-0.378 χ^2/NDF: 889.8/33

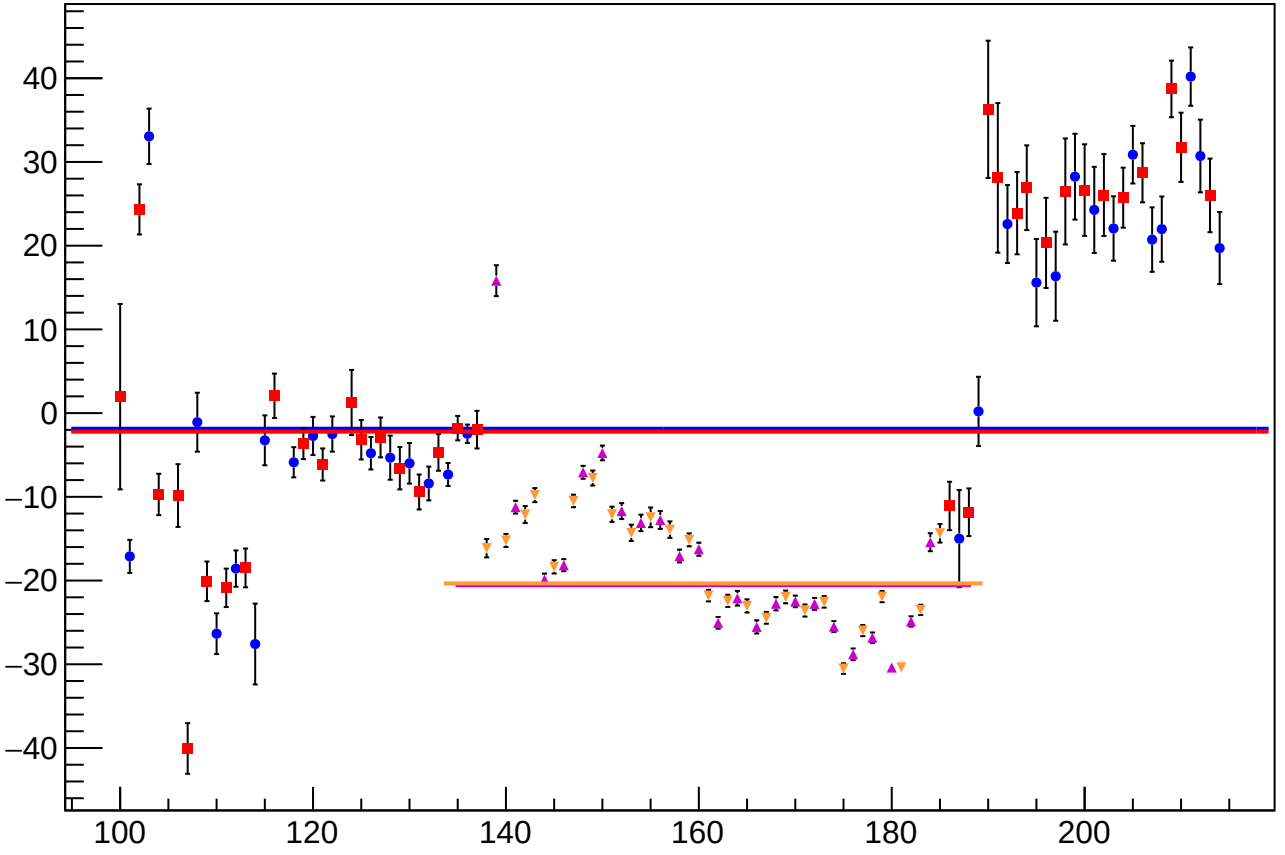
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.352+/-0.160 χ^2/NDF: 10897.8/54

All: -64.724+/-0.114 χ^2/NDF: 21873.6/111

- sign -65.114+/-0.163 χ^2/NDF: 10964.7/56

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -1.865+/-0.465 χ^2/NDF: 942.8/29

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -2.214+/-0.485 χ^2/NDF: 1053.3/33

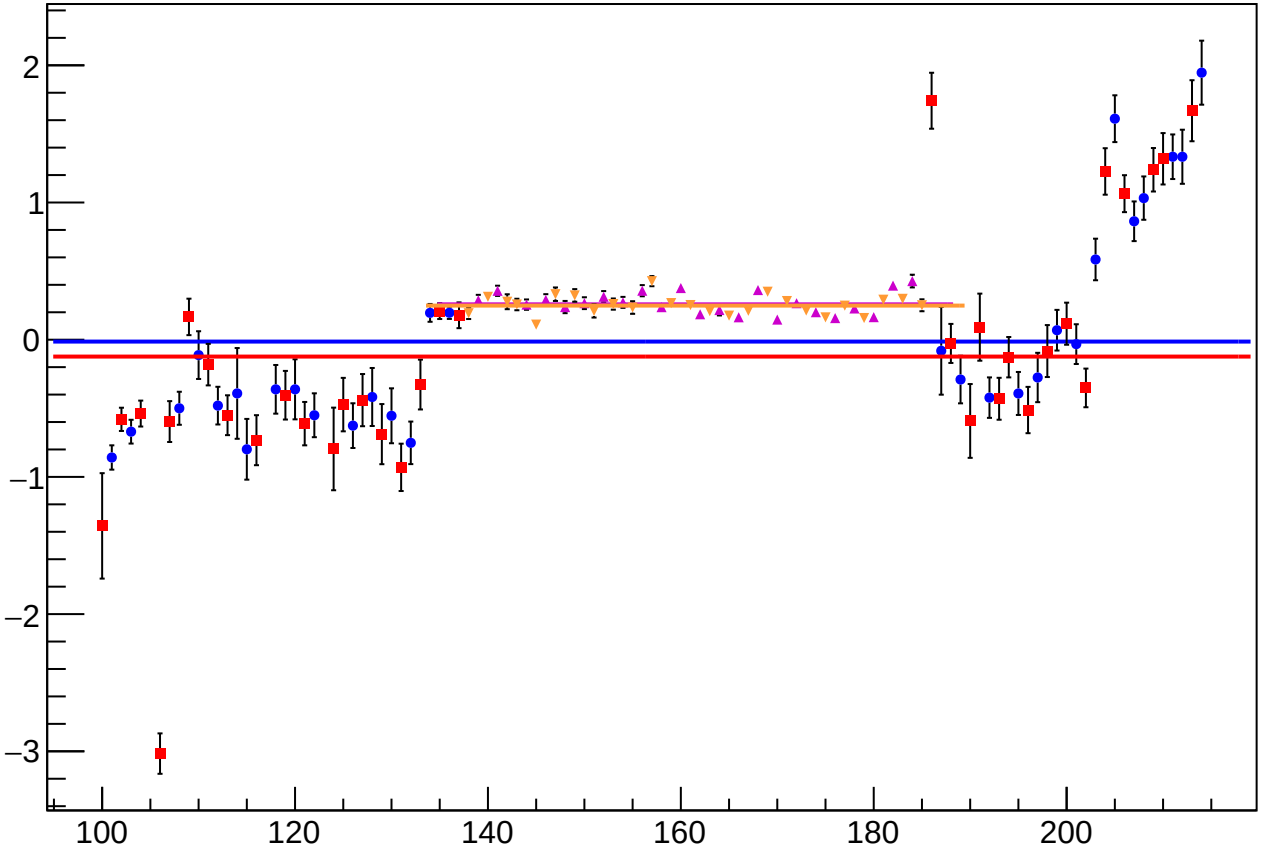
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.497+/-0.147 χ^2/NDF: 4067.7/54

All: -18.626+/-0.105 χ^2/NDF: 8606.2/111

- sign -18.764+/-0.152 χ^2/NDF: 4536.8/56

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.014+/-0.023 χ^2/NDF: 679.4/29

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.123+/-0.024 χ^2/NDF: 1017.6/33

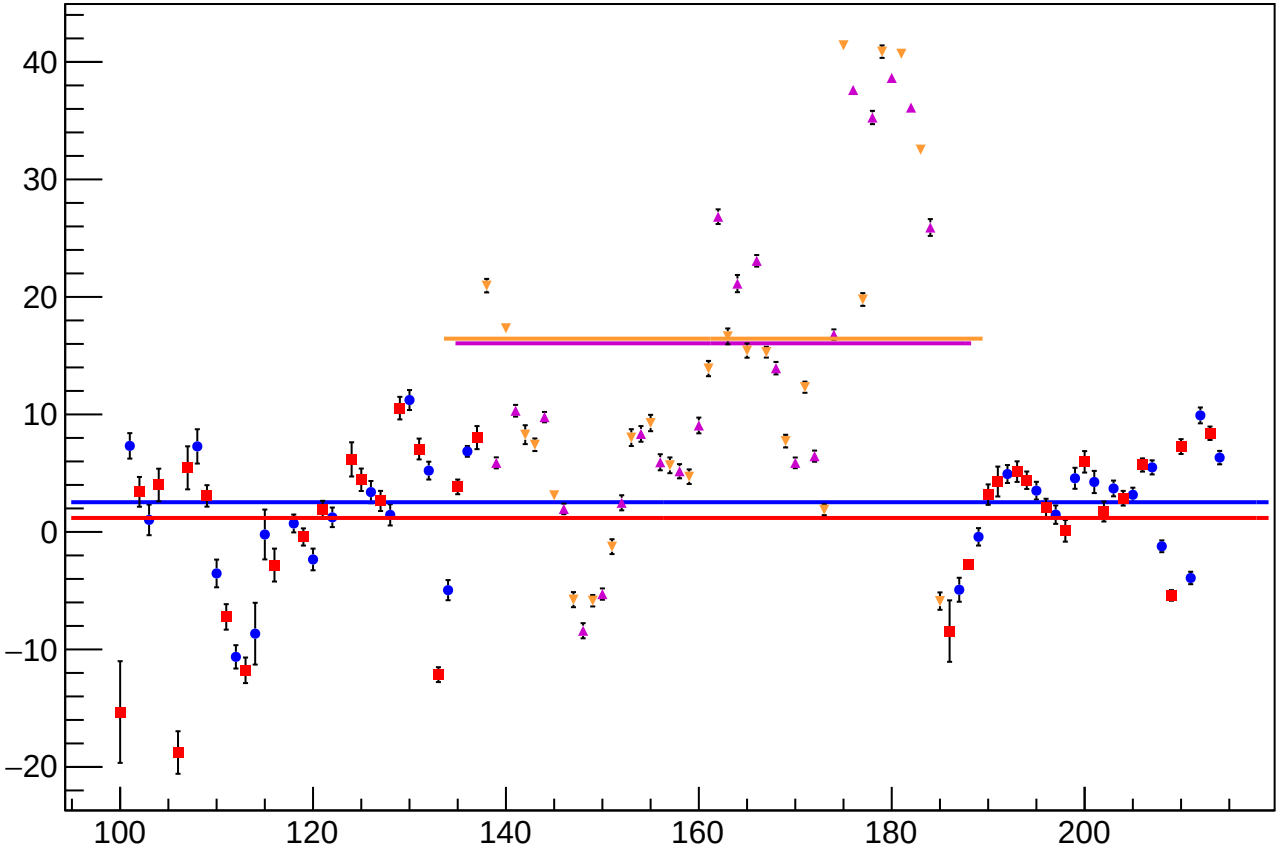
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.227+/-0.007 χ^2/NDF: 892.1/54

All: 0.227+/-0.005 χ^2/NDF: 2269.6/111

- sign 0.228+/-0.007 χ^2/NDF: 1377.5/56

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.529+/-0.141 χ^2/NDF: 1060.3/29

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.189+/-0.136 χ^2/NDF: 1782.8/33

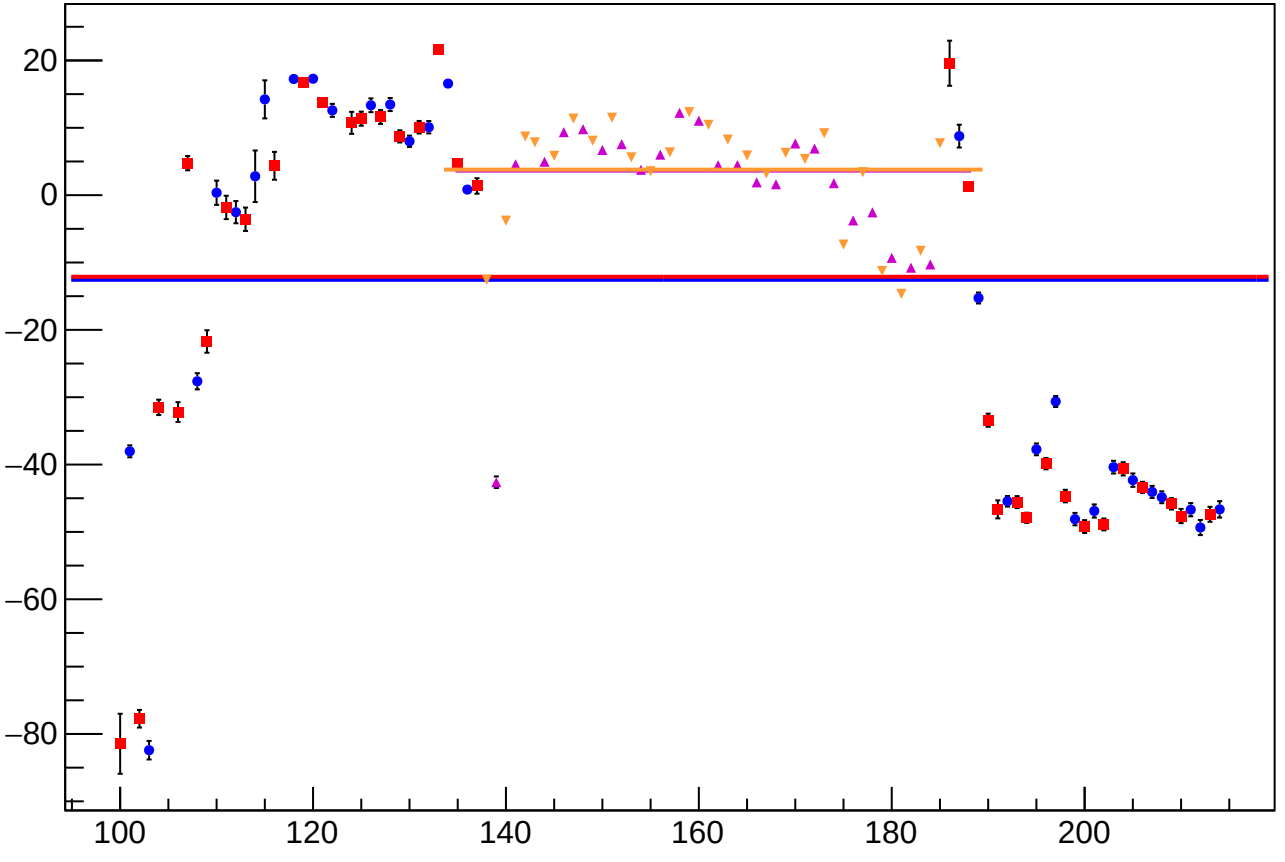
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.521+/-0.084 χ^2/NDF: 28801.0/54

All: 10.940+/-0.059 χ^2/NDF: 55673.6/111

- sign 10.351+/-0.084 χ^2/NDF: 26775.2/56

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.566+/-0.161 χ^2/NDF: 29917.1/29

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -12.119+/-0.155 χ^2/NDF: 34192.7/33

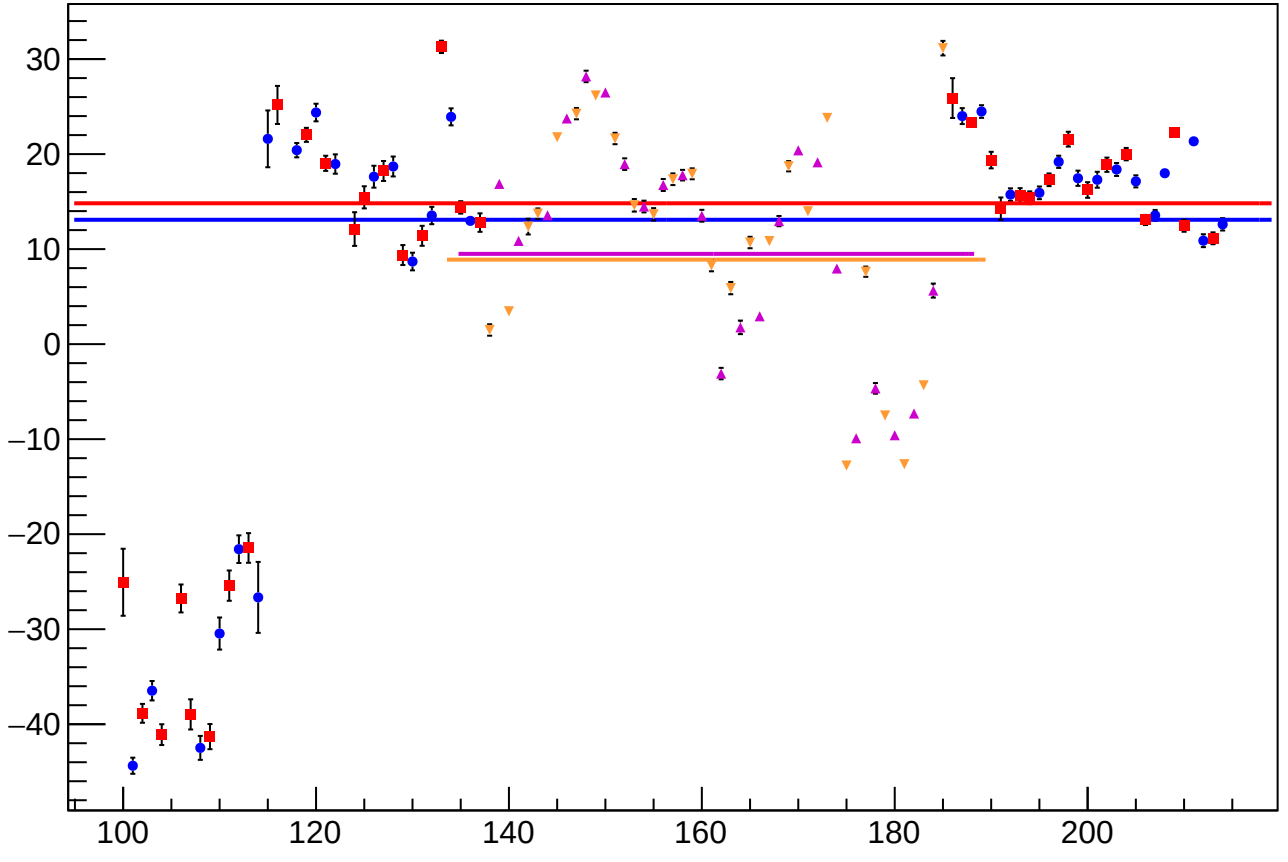
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign 0.558+/-0.072 χ^2/NDF: 47258.8/54

All: 0.355+/-0.051 χ^2/NDF: 97810.6/111

\- sign 0.143+/-0.073 χ^2/NDF: 50535.3/56

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 13.088+/-0.140 χ^2/NDF: 11809.4/29

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.823+/-0.132 χ^2/NDF: 12785.1/33

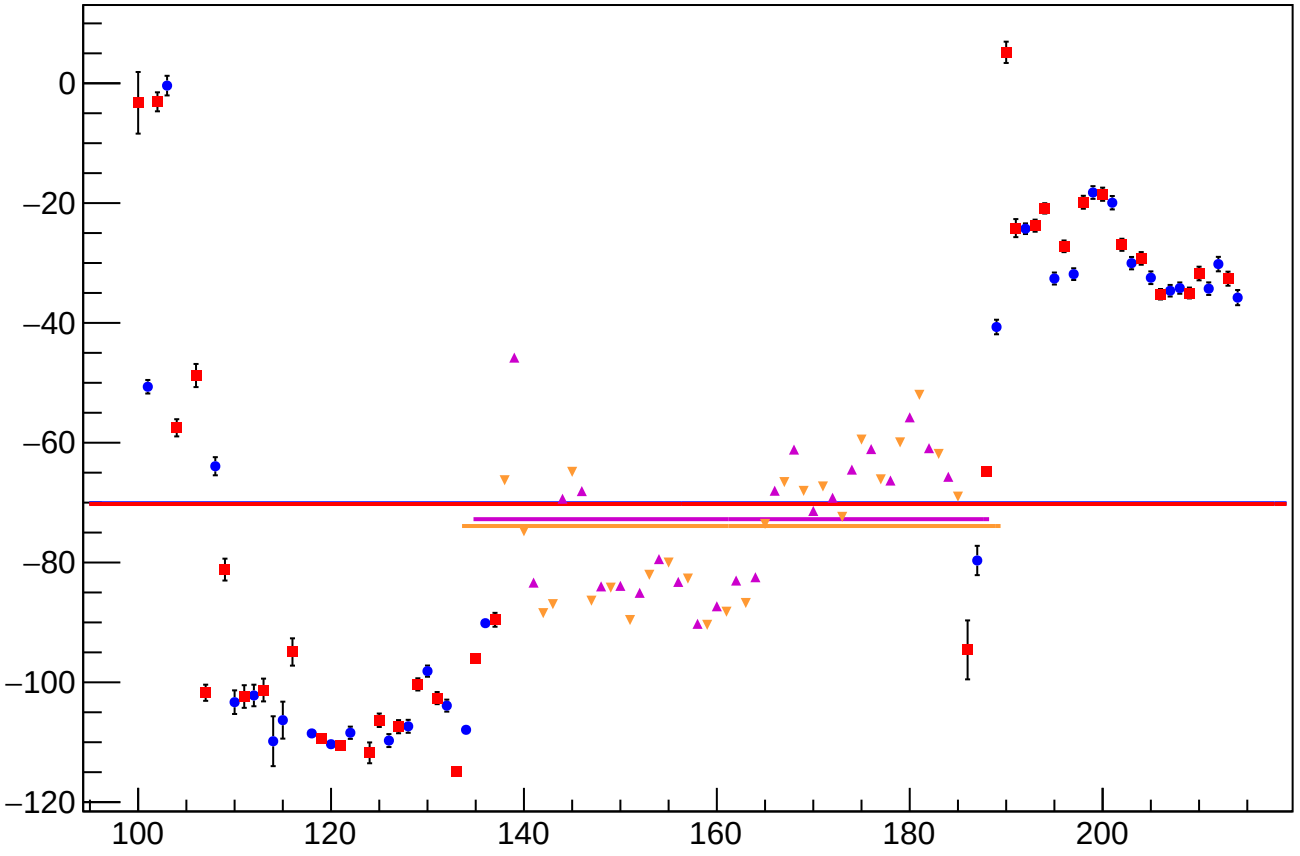
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.381+/-0.083 χ^2/NDF: 27818.3/54

All: 10.990+/-0.059 χ^2/NDF: 54733.3/111

- sign 11.594+/-0.083 χ^2/NDF: 26808.6/56

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -70.110+/-0.185 χ^2/NDF: 39202.4/29

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -70.233+/-0.181 χ^2/NDF: 45974.9/33

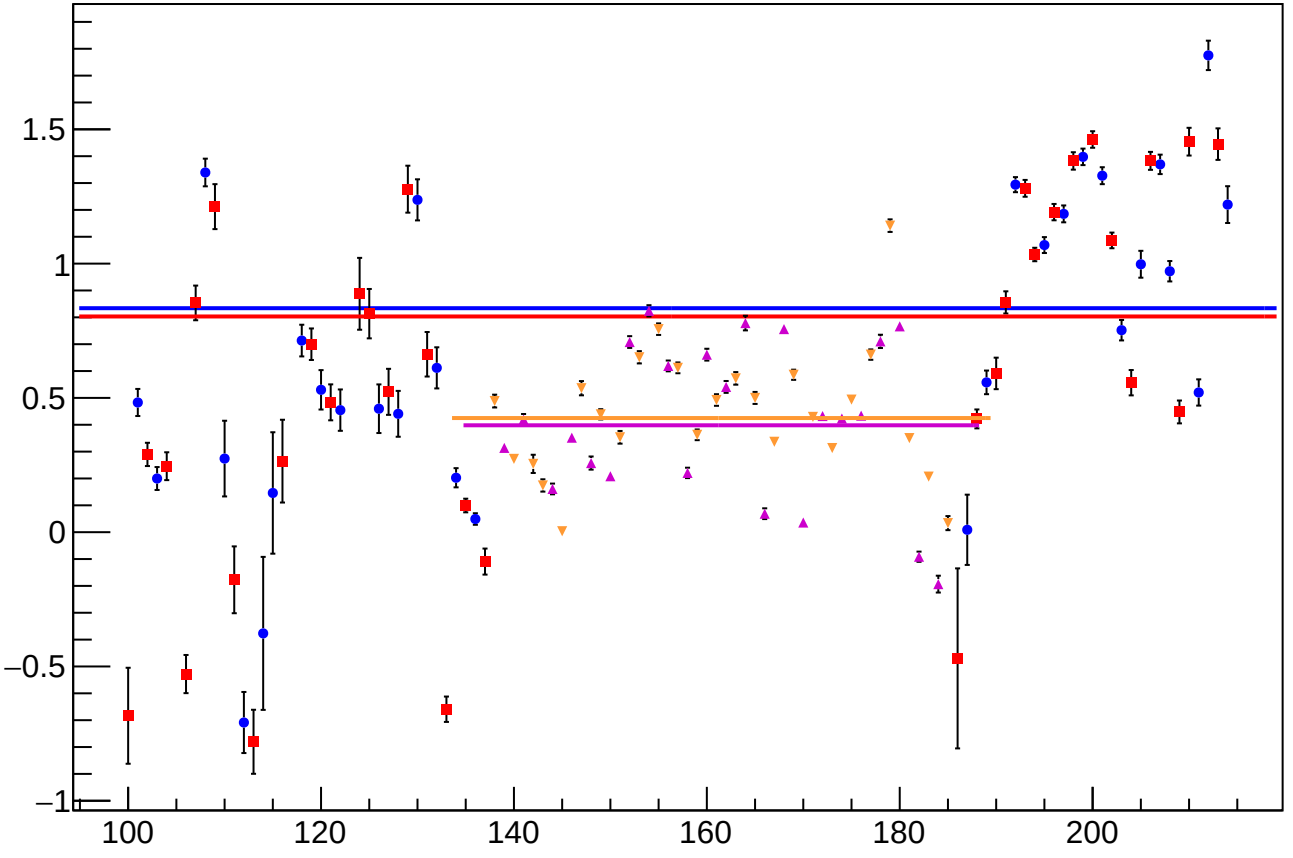
Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

\+ sign -73.175+/-0.081 χ^2/NDF: 55109.1/54

All: -72.712+/-0.058 χ^2/NDF: 113917.1/111

\- sign -72.231+/-0.083 χ^2/NDF: 58741.9/56

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.834+/-0.008 χ^2/NDF: 4090.6/29

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.803+/-0.008 χ^2/NDF: 5275.6/33

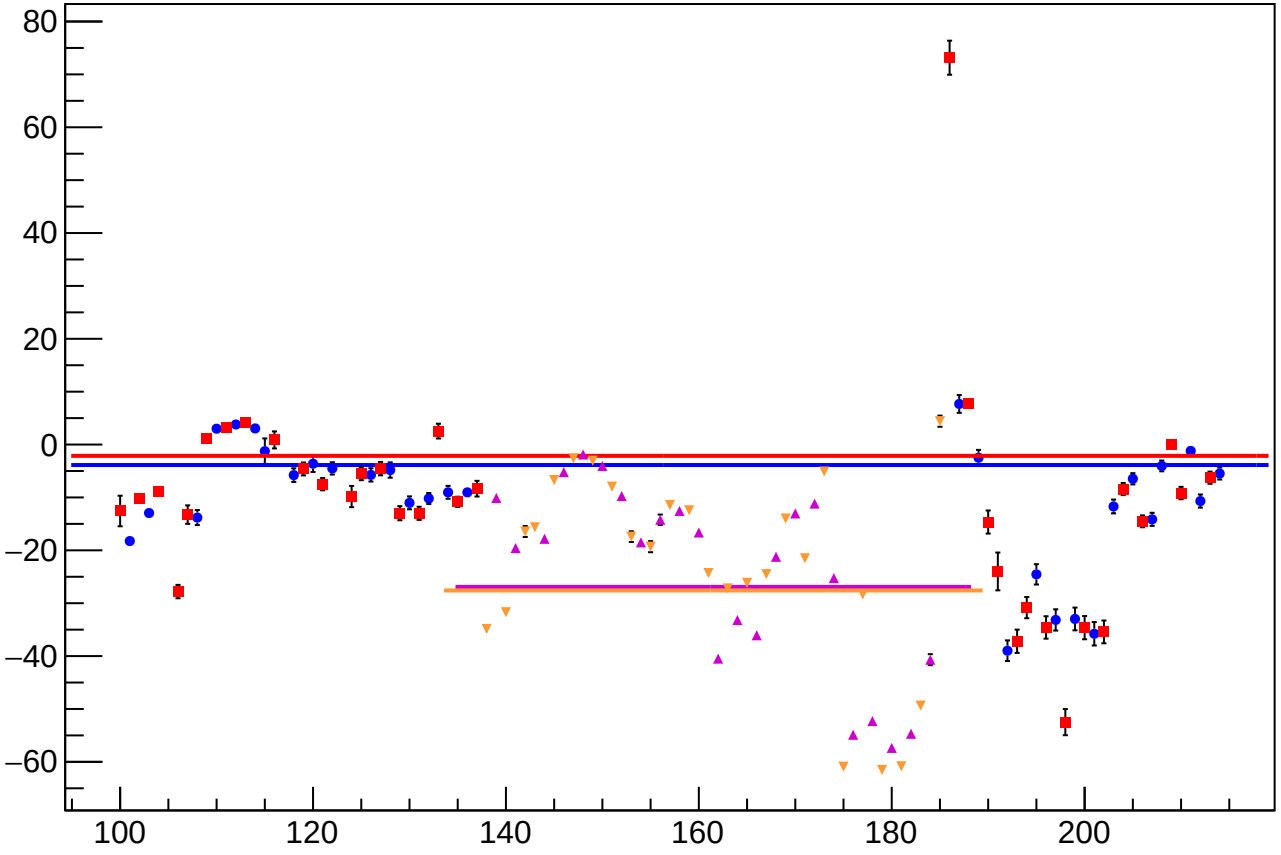
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.507+/-0.004 χ^2/NDF: 9165.0/54

All: 0.497+/-0.003 χ^2/NDF: 20827.7/111

- sign 0.486+/-0.004 χ^2/NDF: 11646.6/56

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.871+/-0.170 χ^2/NDF: 2811.1/29

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.135+/-0.154 χ^2/NDF: 4076.8/33

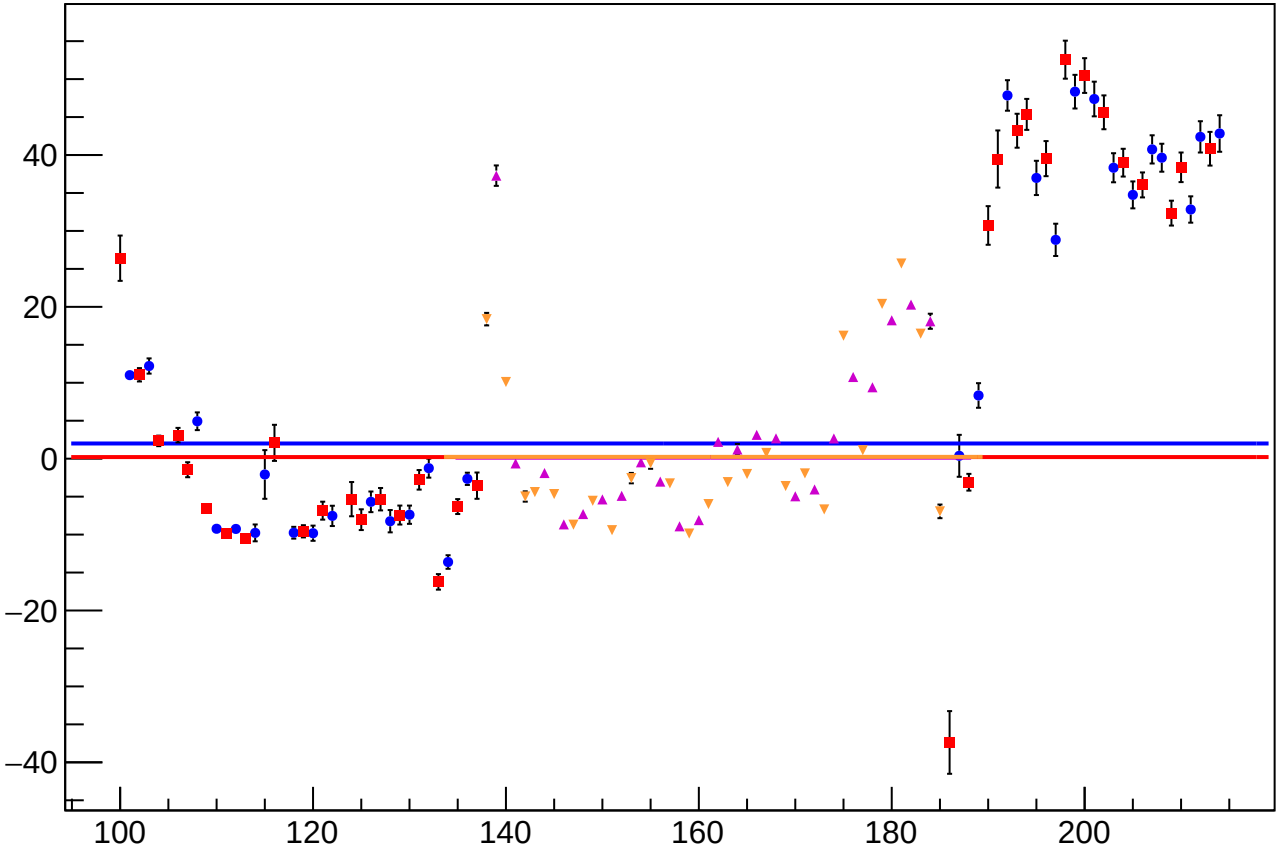
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

\+ sign -17.626+/-0.110 χ^2/NDF: 33927.8/54

All: -16.241+/-0.077 χ^2/NDF: 67203.1/111

\- sign -14.923+/-0.107 χ^2/NDF: 32965.3/56

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 2.001+/-0.208 χ^2/NDF: 6394.5/29

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 0.211+/-0.201 χ^2/NDF: 6431.1/33

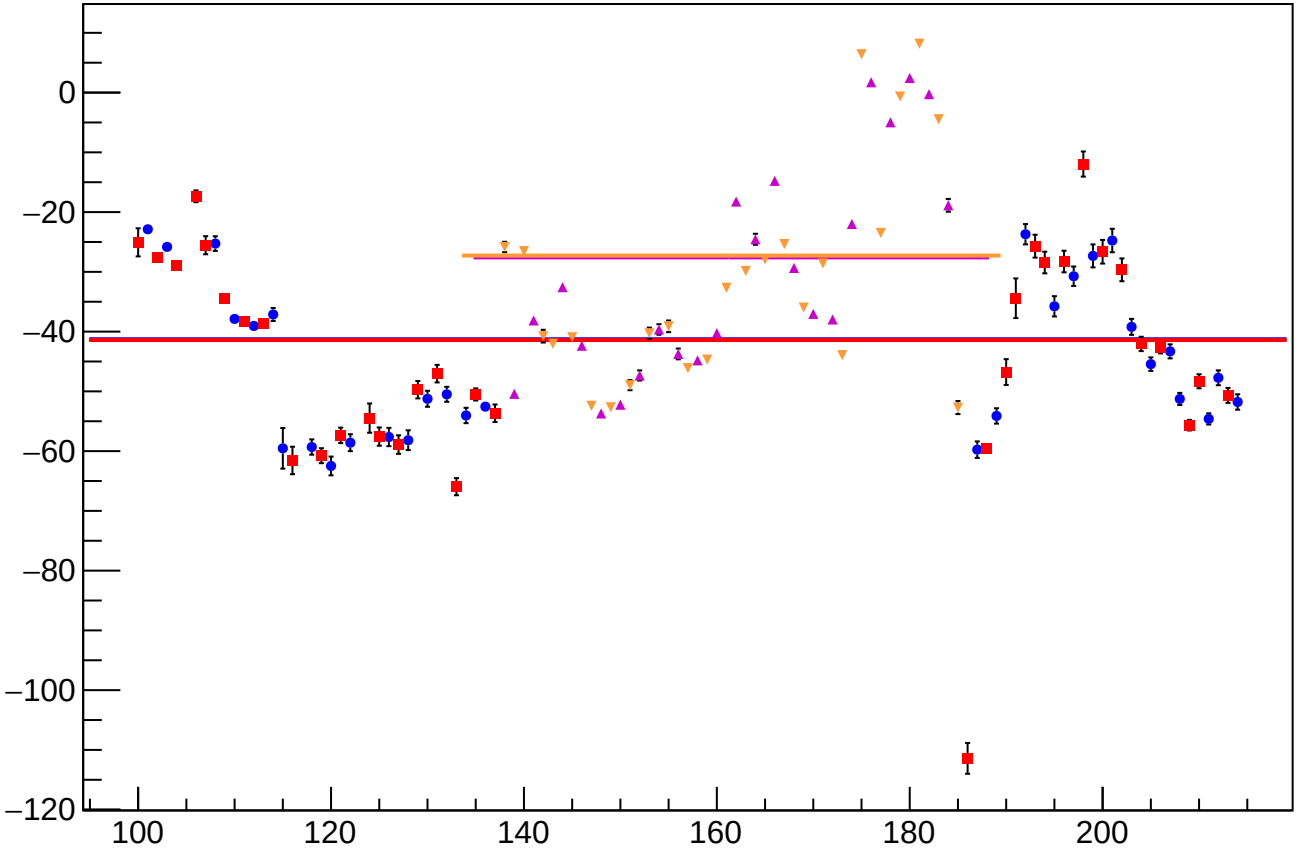
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.626+/-0.097 χ^2/NDF: 14486.2/54

All: 0.393+/-0.070 χ^2/NDF: 26766.4/111

- sign 0.151+/-0.100 χ^2/NDF: 12268.6/56

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.279+/-0.190 χ^2/NDF: 3998.0/29

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.411+/-0.180 χ^2/NDF: 5352.8/33

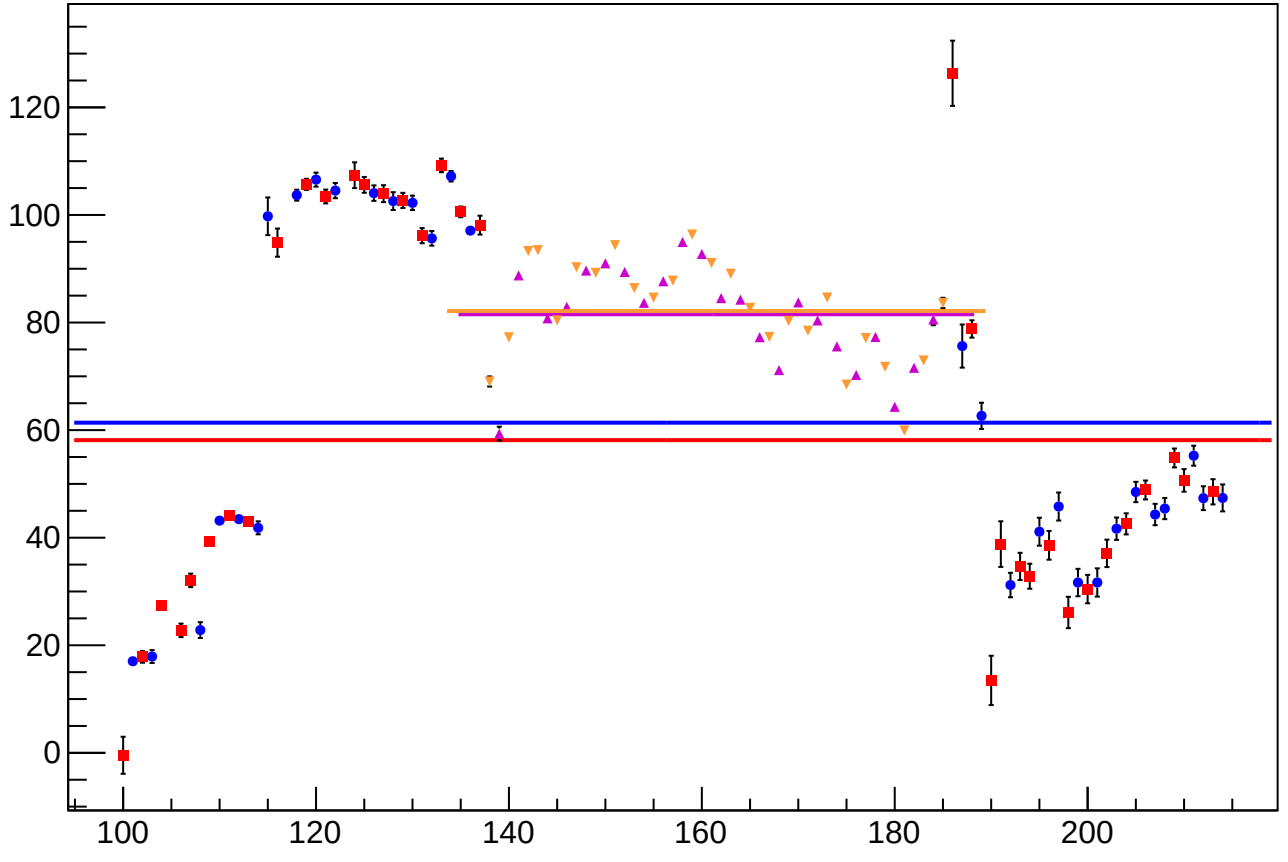
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -32.391+/-0.115 χ^2/NDF: 25989.4/54

All: -32.790+/-0.081 χ^2/NDF: 50543.3/111

- sign -33.187+/-0.114 χ^2/NDF: 24529.7/56

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 61.383+/-0.237 χ^2/NDF: 19623.9/29

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.133+/-0.230 χ^2/NDF: 18563.5/33

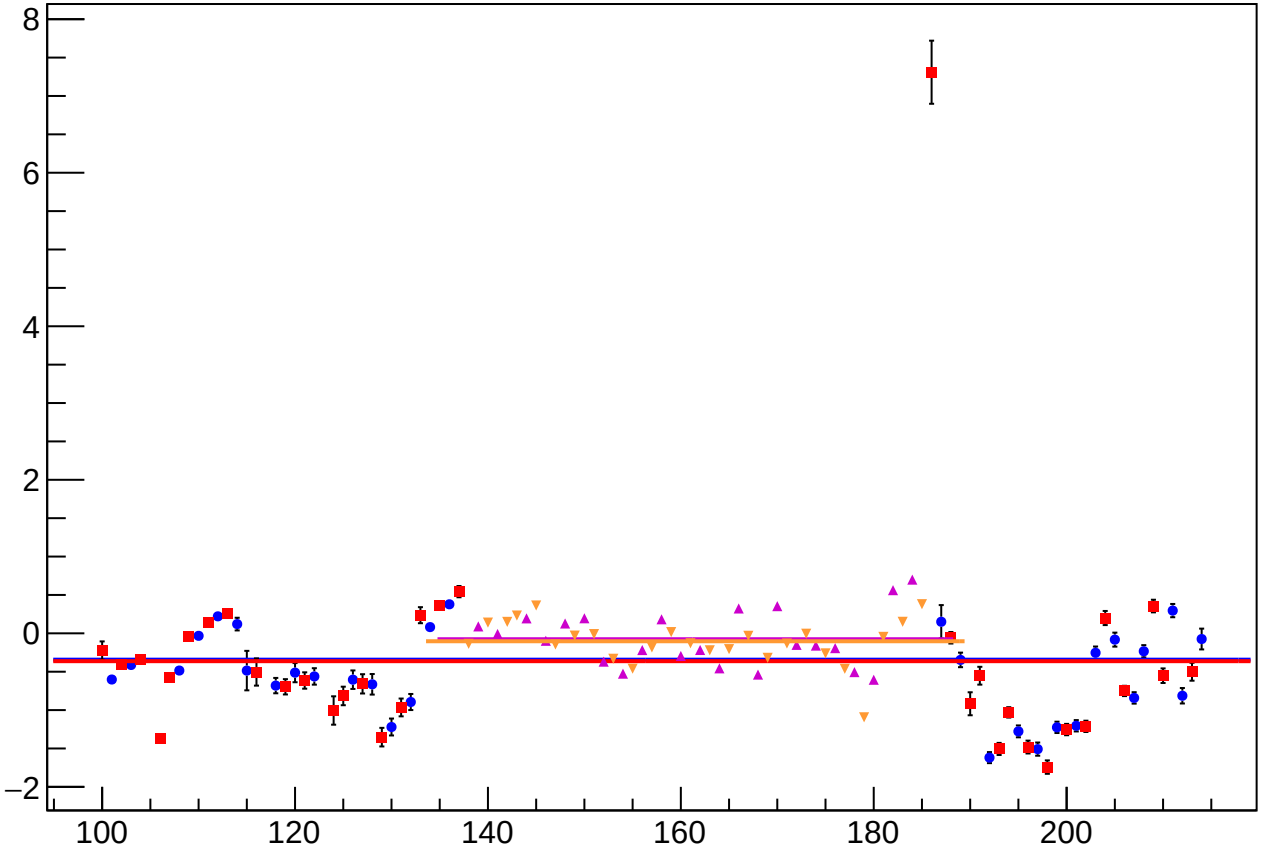
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.636+/-0.110 χ^2/NDF: 30995.9/54

All: 76.806+/-0.079 χ^2/NDF: 61592.7/111

- sign 75.944+/-0.112 χ^2/NDF: 30481.5/56

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.343+/-0.012 χ^2/NDF: 2110.2/29

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.363+/-0.011 χ^2/NDF: 3044.9/33

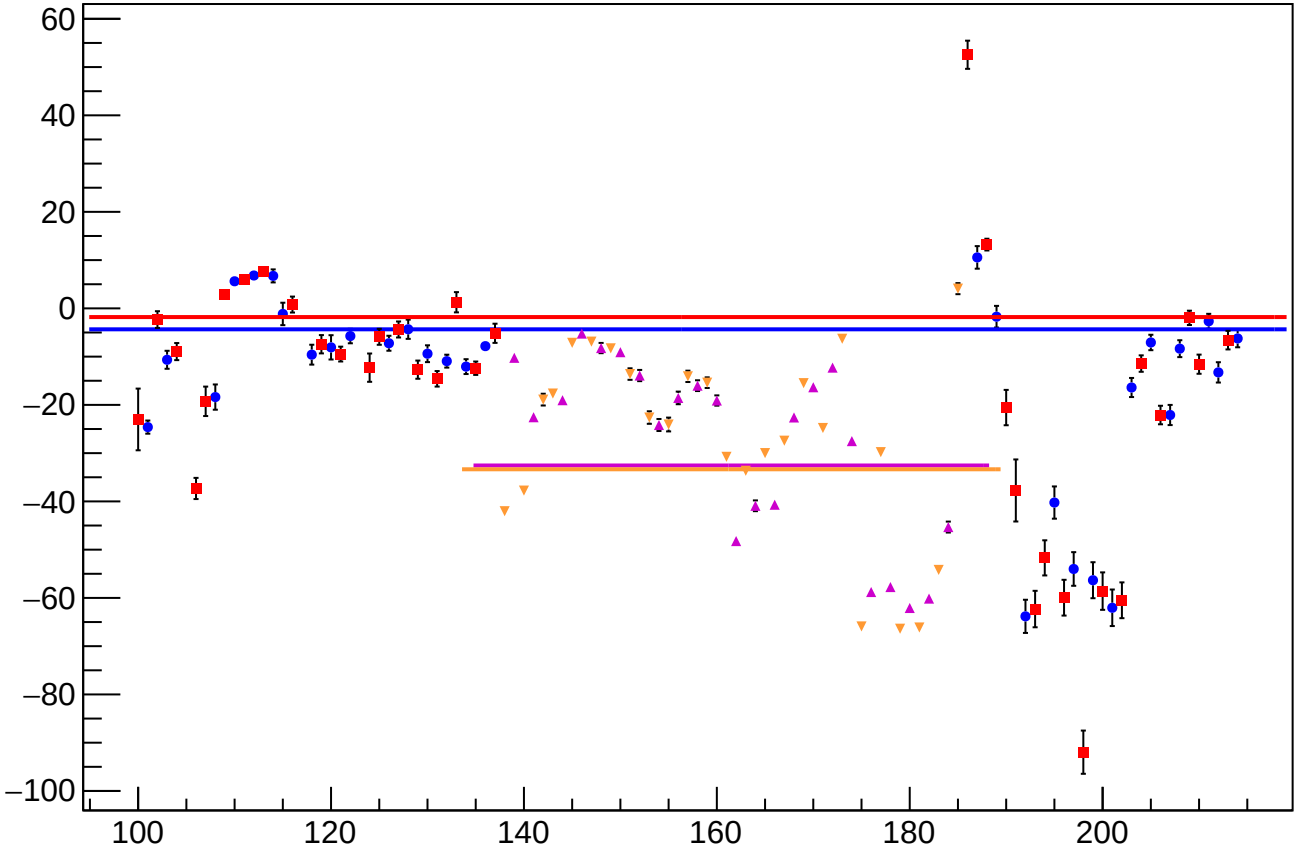
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.149+/-0.005 χ^2/NDF: 4865.3/54

All: -0.143+/-0.004 χ^2/NDF: 11749.7/111

- sign -0.136+/-0.005 χ^2/NDF: 6881.5/56

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.342+/-0.273 χ^2/NDF: 2200.2/29

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.802+/-0.254 χ^2/NDF: 3264.8/33

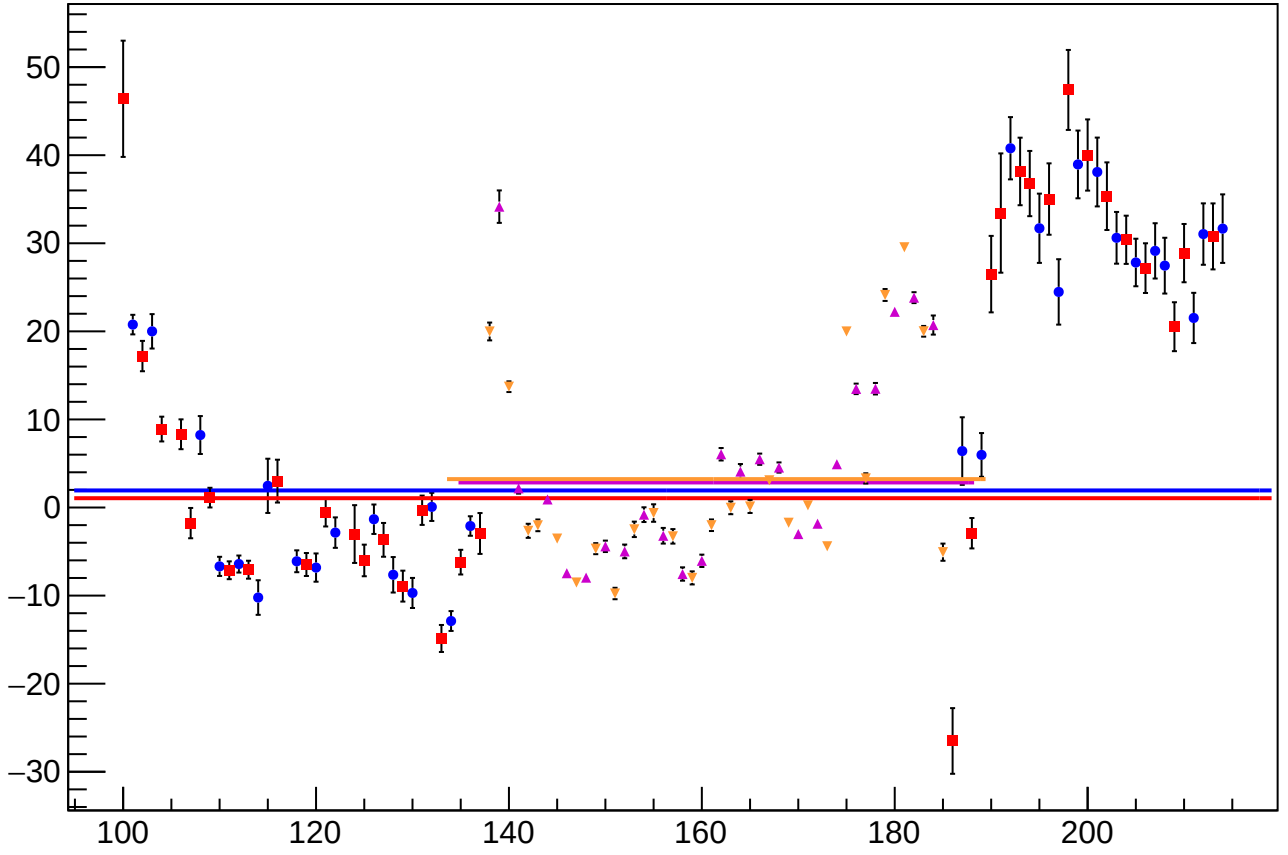
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -25.593+/-0.141 χ^2/NDF: 28488.6/54

All: -24.347+/-0.100 χ^2/NDF: 55941.9/111

\- sign -23.099+/-0.141 χ^2/NDF: 27296.7/56

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 1.939+/-0.330 χ^2/NDF: 1797.1/29

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

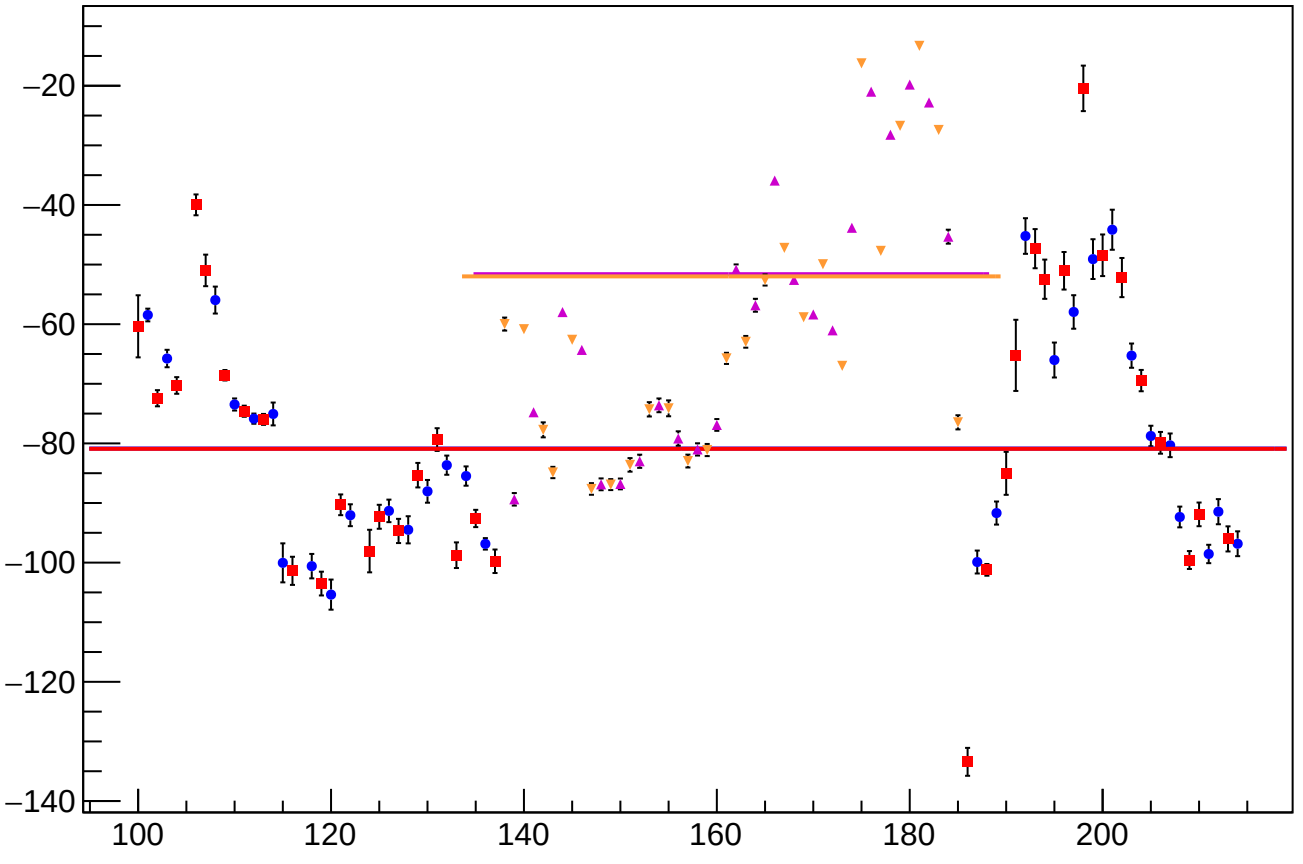
Right Out: 1.057+/-0.327 χ^2/NDF: 1579.2/33

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 3.055+/-0.119 χ^2/NDF: 9485.9/54

All: 2.831+/-0.085 χ^2/NDF: 16553.5/111

- sign 2.598+/-0.122 χ^2/NDF: 7060.4/56



Right In: -80.864+/-0.307 χ^2/NDF: 2285.1/29

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.909+/-0.296 χ^2/NDF: 3523.9/33

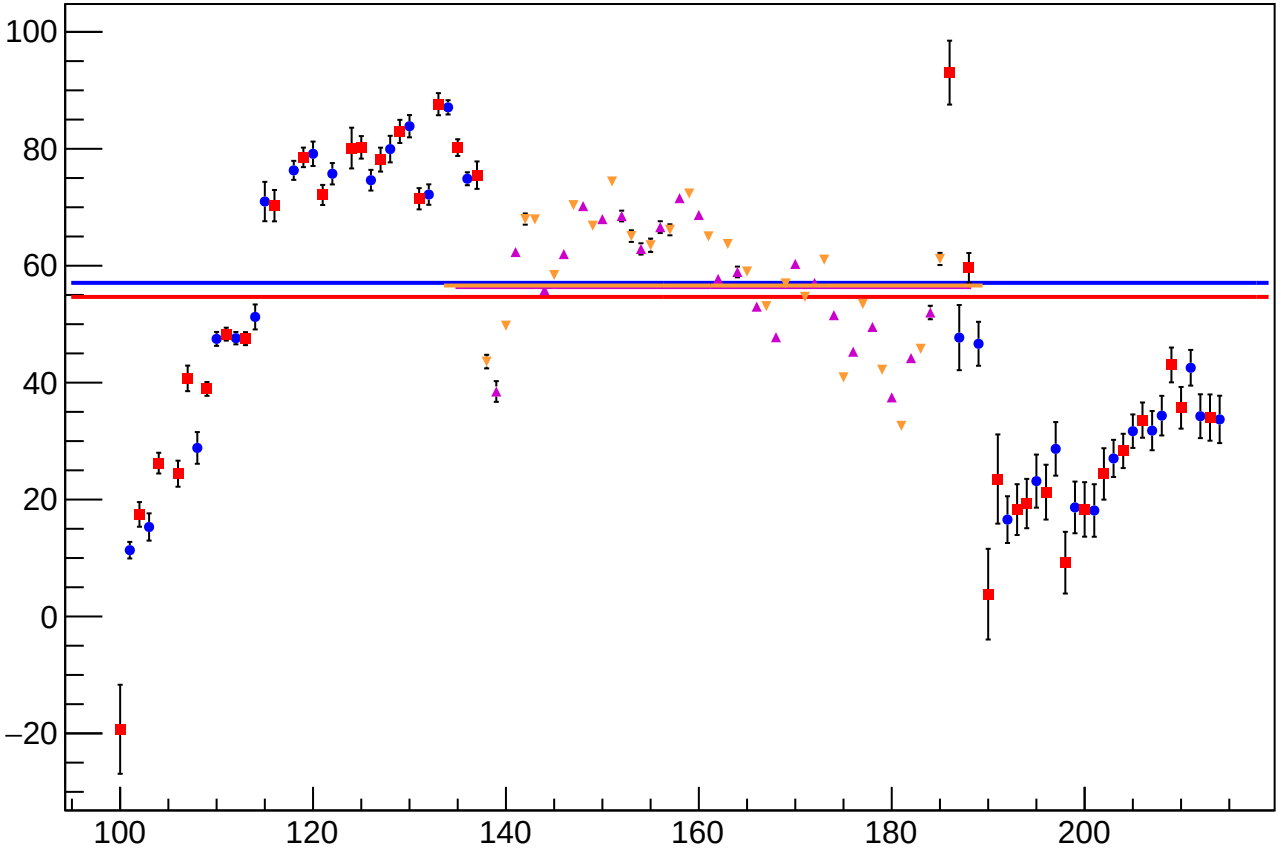
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

\+ sign -58.458+/-0.145 χ^2/NDF: 30058.3/54

All: -58.630+/-0.103 χ^2/NDF: 58582.4/111

\- sign -58.806+/-0.147 χ^2/NDF: 28521.2/56

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 57.071+/-0.372 χ^2/NDF: 4052.6/29

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 54.664+/-0.372 χ^2/NDF: 3520.8/33

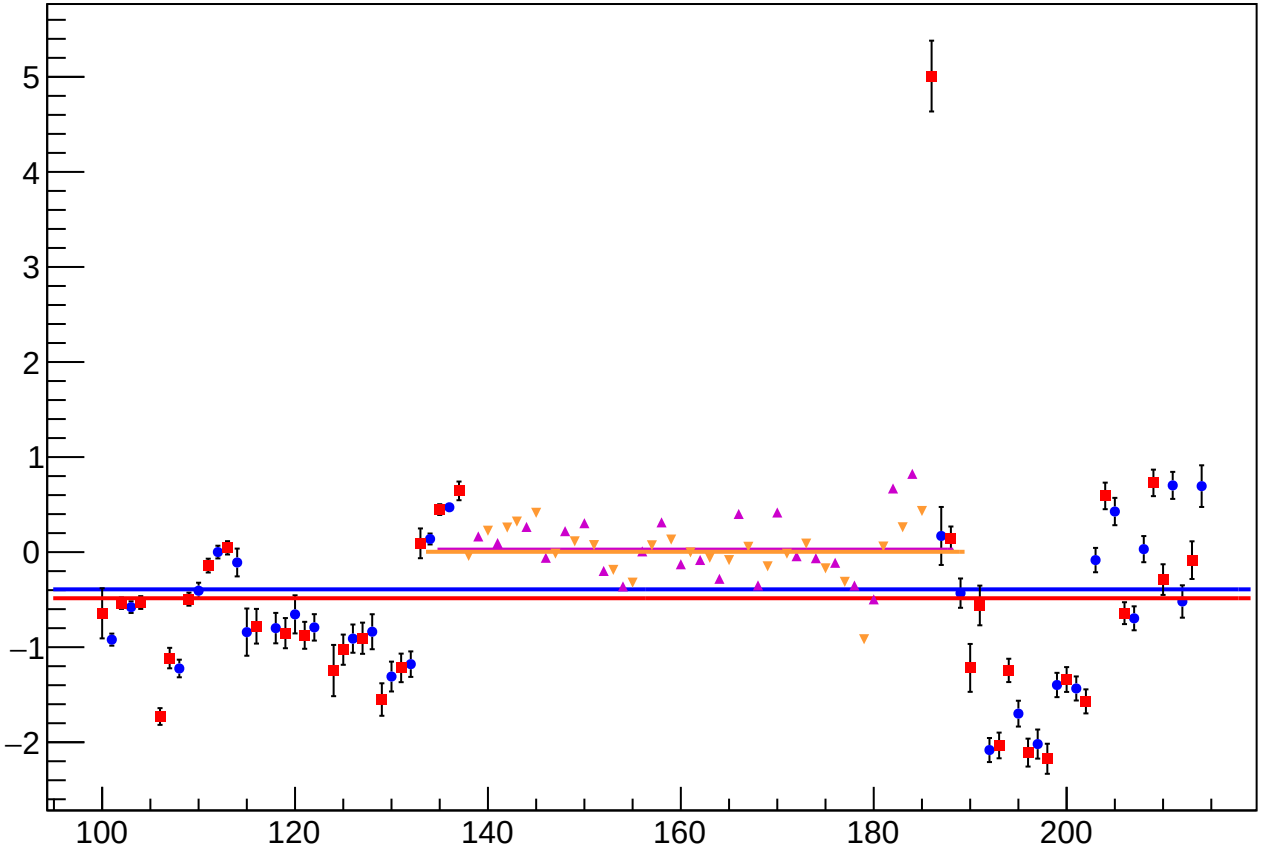
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.672+/-0.134 χ^2/NDF: 9720.0/54

All: 56.401+/-0.096 χ^2/NDF: 17235.5/111

- sign 56.119+/-0.137 χ^2/NDF: 7507.2/56

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.392+/-0.019 χ^2/NDF: 1409.4/29

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.485+/-0.019 χ^2/NDF: 1756.3/33

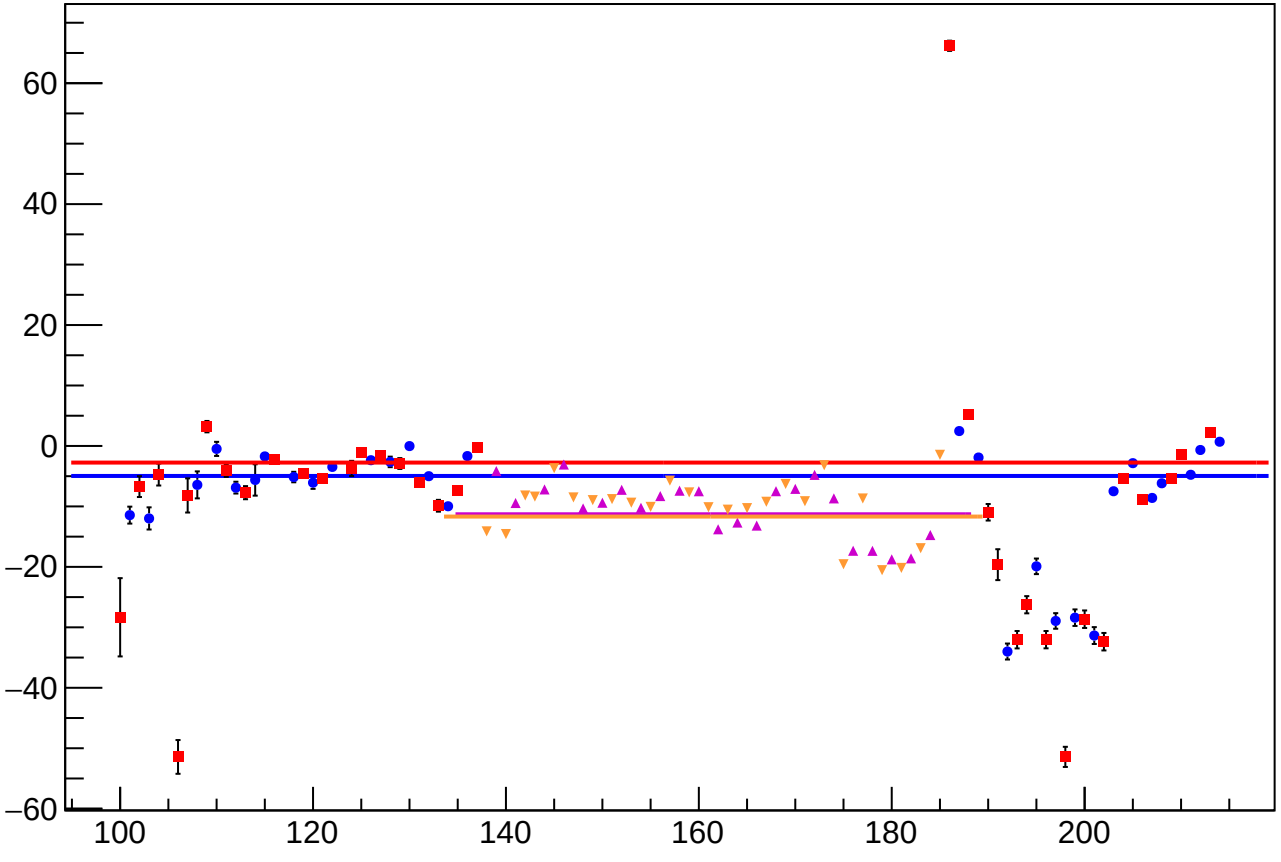
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3502.0/54

All: -0.033+/-0.004 χ^2/NDF: 8254.8/111

- sign -0.029+/-0.006 χ^2/NDF: 4751.7/56

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.962+/-0.143 χ^2/NDF: 2146.3/29

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.750+/-0.146 χ^2/NDF: 10570.3/33

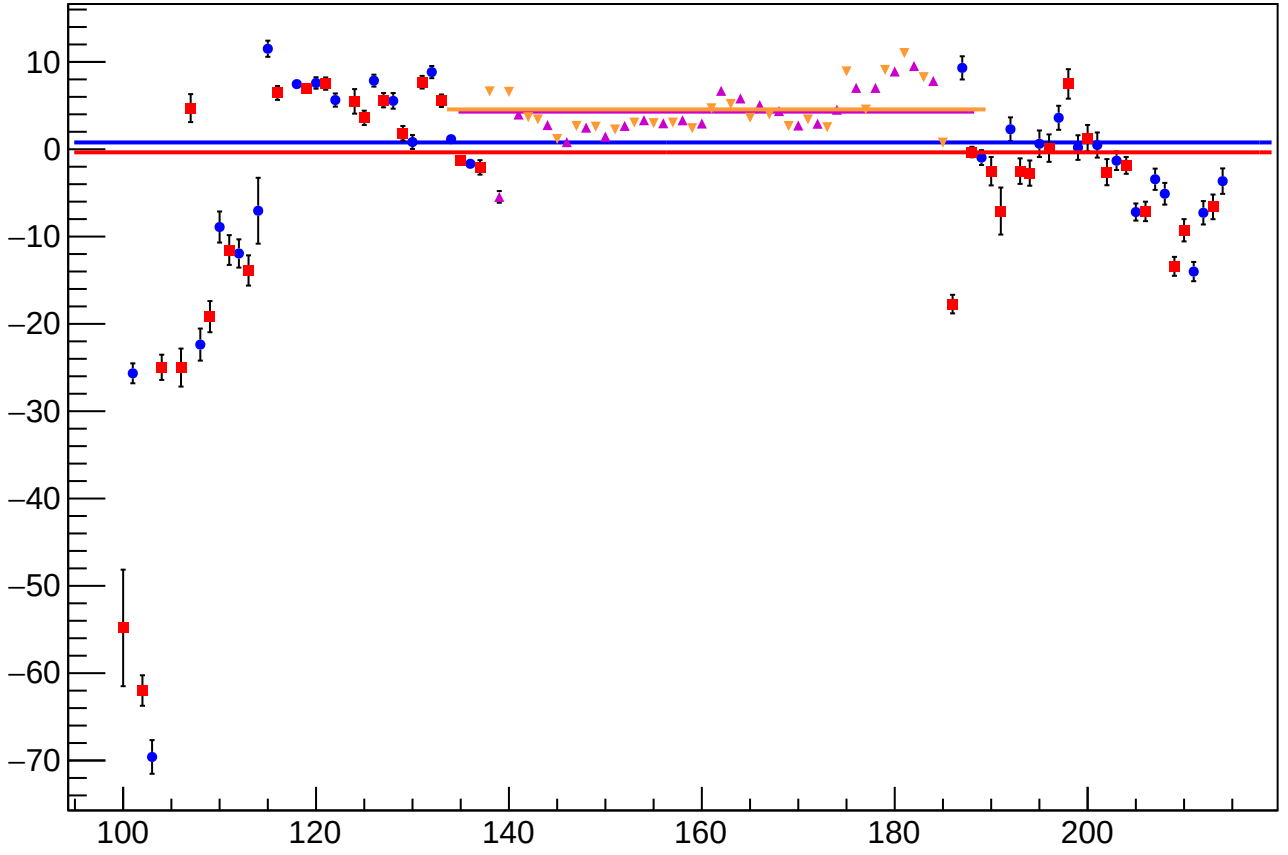
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.874+/-0.049 χ^2/NDF: 16700.8/54

All: -10.584+/-0.035 χ^2/NDF: 39574.6/111

- sign -10.278+/-0.051 χ^2/NDF: 22802.7/56

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.779+/-0.163 χ^2/NDF: 3254.3/29

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.353+/-0.172 χ^2/NDF: 3199.1/33

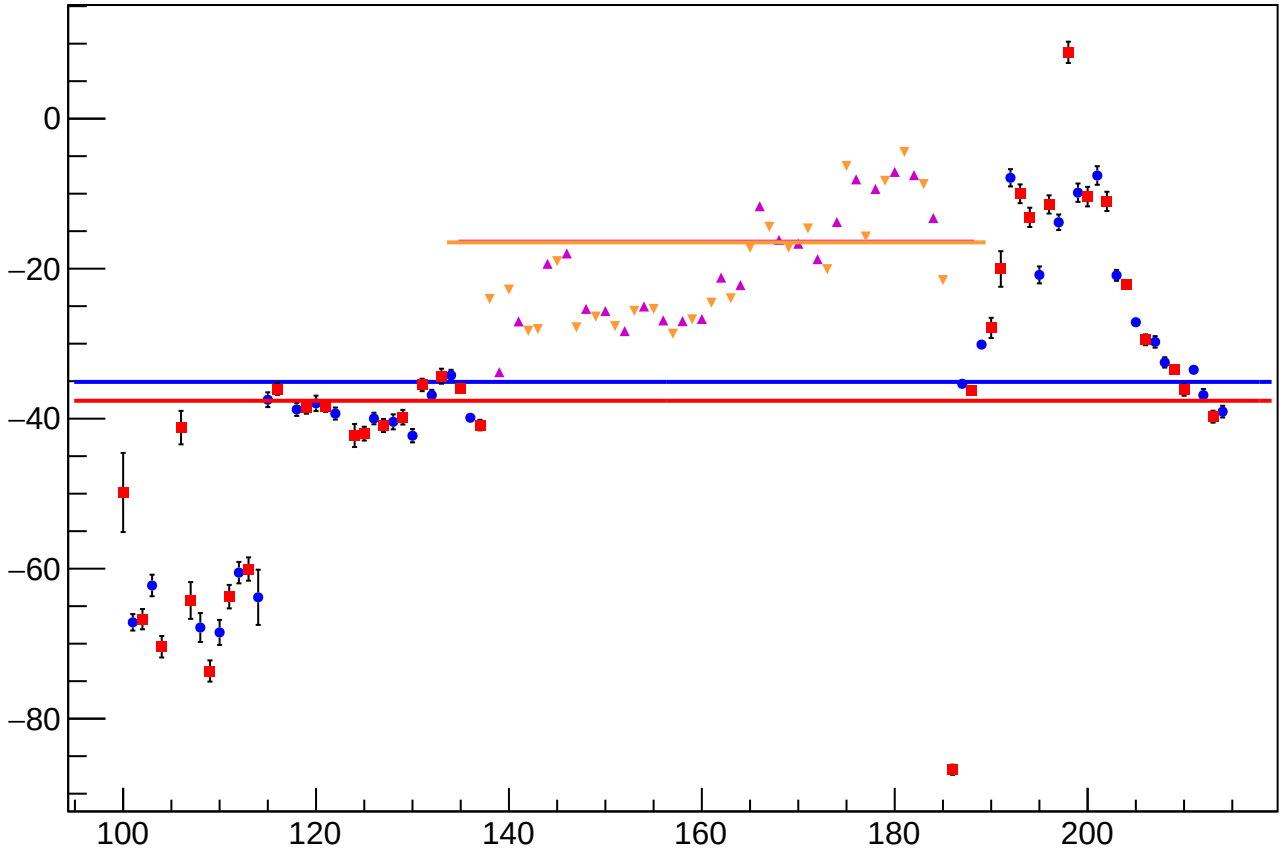
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.335+/-0.040 χ^2/NDF: 8115.7/54

All: 4.193+/-0.029 χ^2/NDF: 15639.9/111

- sign 4.045+/-0.041 χ^2/NDF: 7498.6/56

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.097+/-0.148 χ^2/NDF: 5422.1/29

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

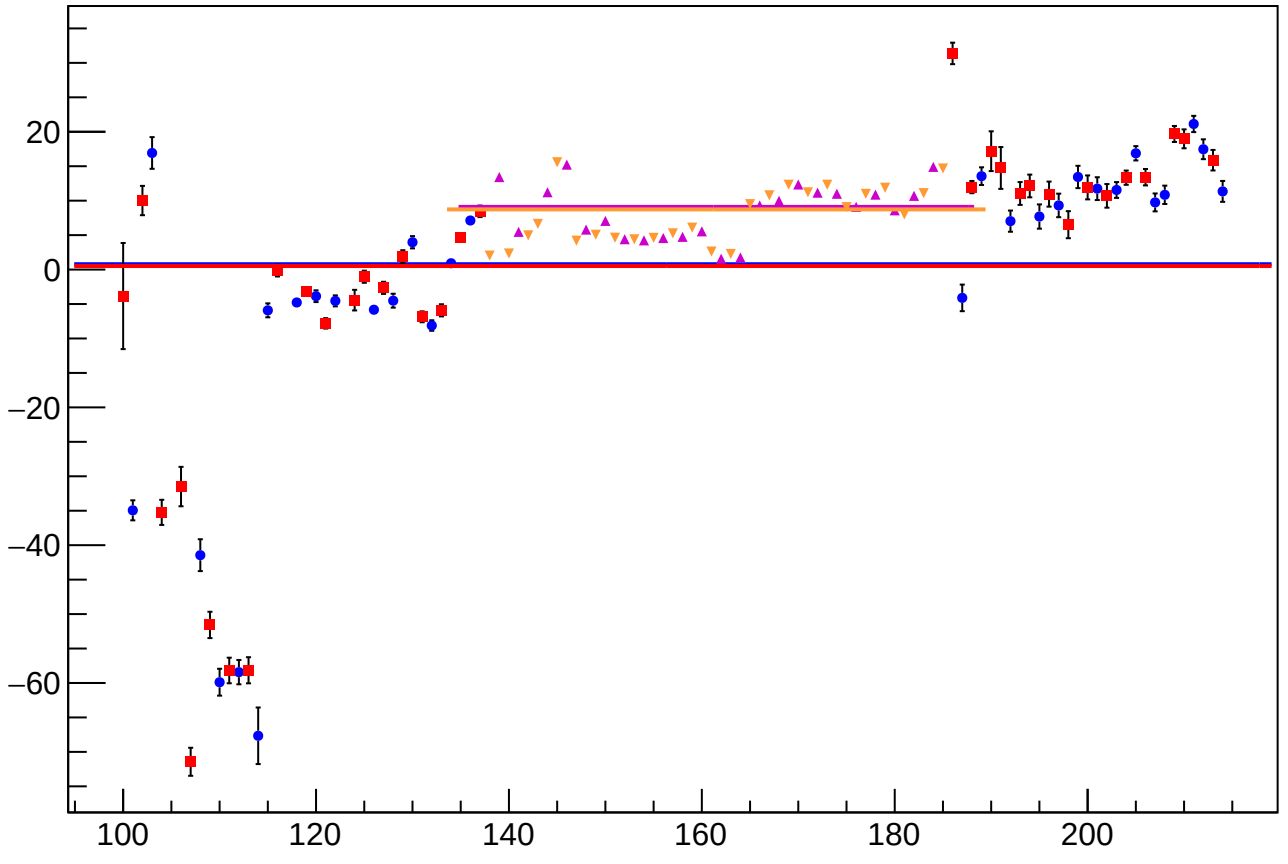
Right Out: -37.612+/-0.149 χ^2/NDF: 11820.8/33

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

\+ sign -18.598+/-0.050 χ^2/NDF: 41466.2/54

All: -18.721+/-0.035 χ^2/NDF: 89177.2/111

\- sign -18.848+/-0.051 χ^2/NDF: 47698.5/56



Right In: 0.775+/-0.183 χ^2/NDF: 5220.5/29

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.514+/-0.197 χ^2/NDF: 6602.9/33

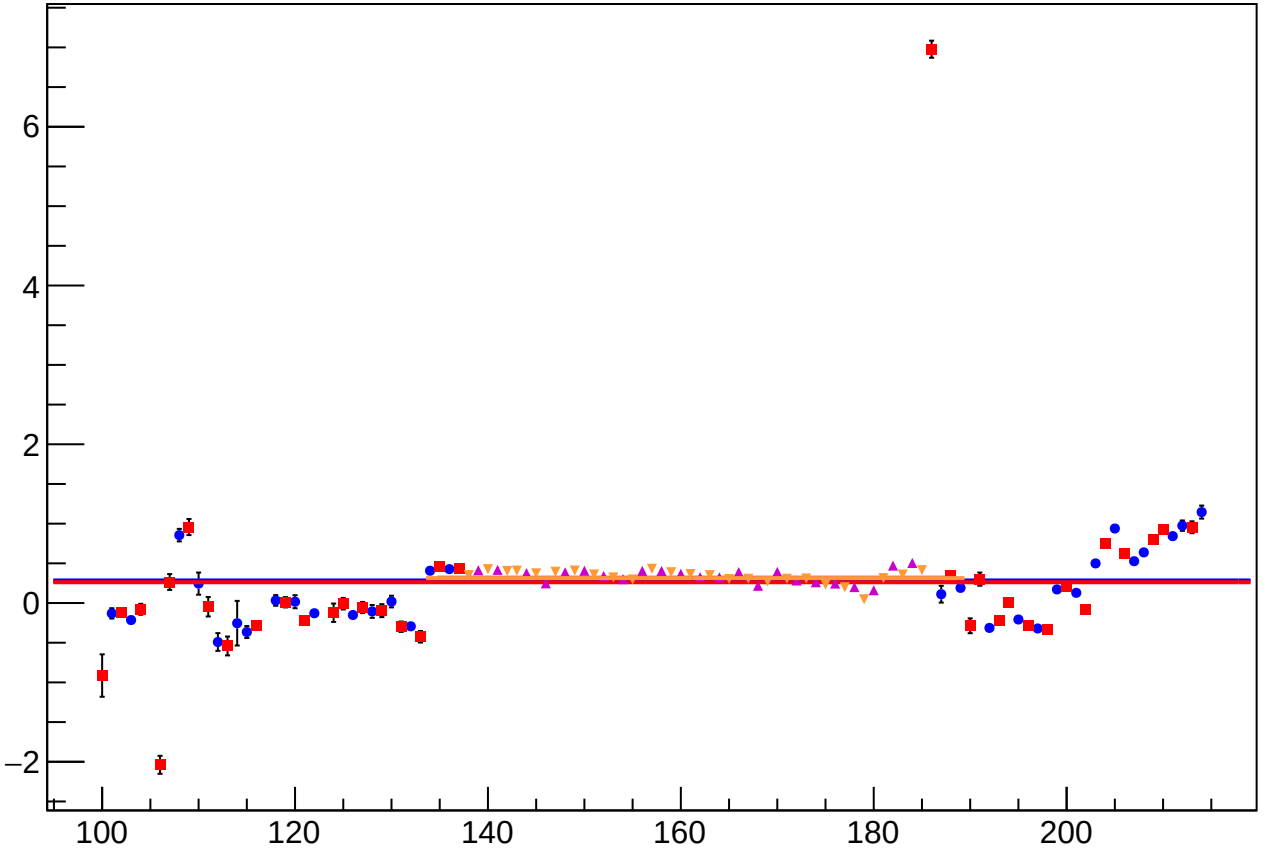
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.257+/-0.045 χ^2/NDF: 13878.6/54

All: 8.439+/-0.032 χ^2/NDF: 28056.3/111

- sign 8.631+/-0.046 χ^2/NDF: 14143.7/56

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.284+/-0.009 χ^2/NDF: 1570.6/29

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.262+/-0.010 χ^2/NDF: 5850.2/33

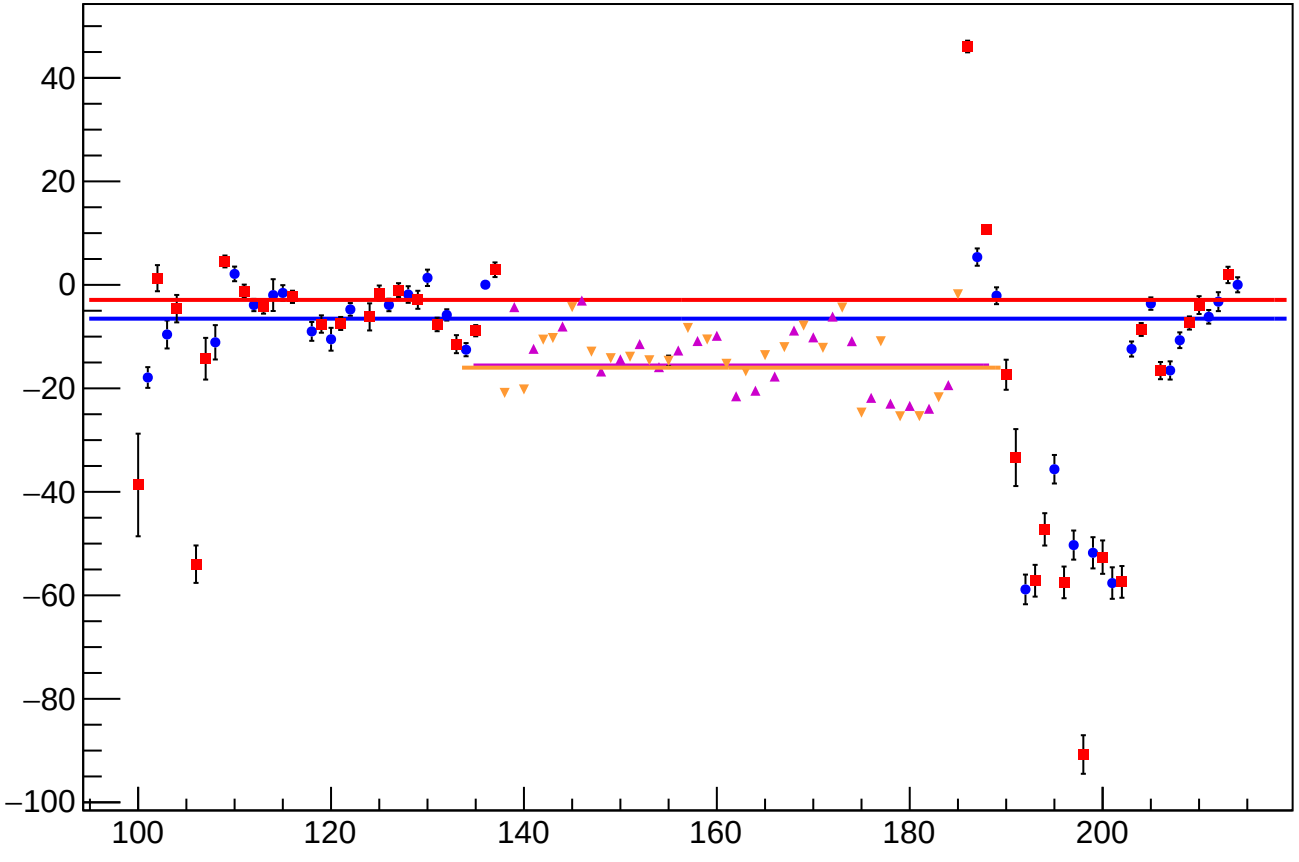
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

\+ sign 0.312+/-0.002 χ^2/NDF: 3182.9/54

All: 0.314+/-0.001 χ^2/NDF: 10854.7/111

\- sign 0.316+/-0.002 χ^2/NDF: 7670.2/56

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.531+/-0.278 χ^2/NDF: 1581.4/29

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.906+/-0.278 χ^2/NDF: 4588.5/33

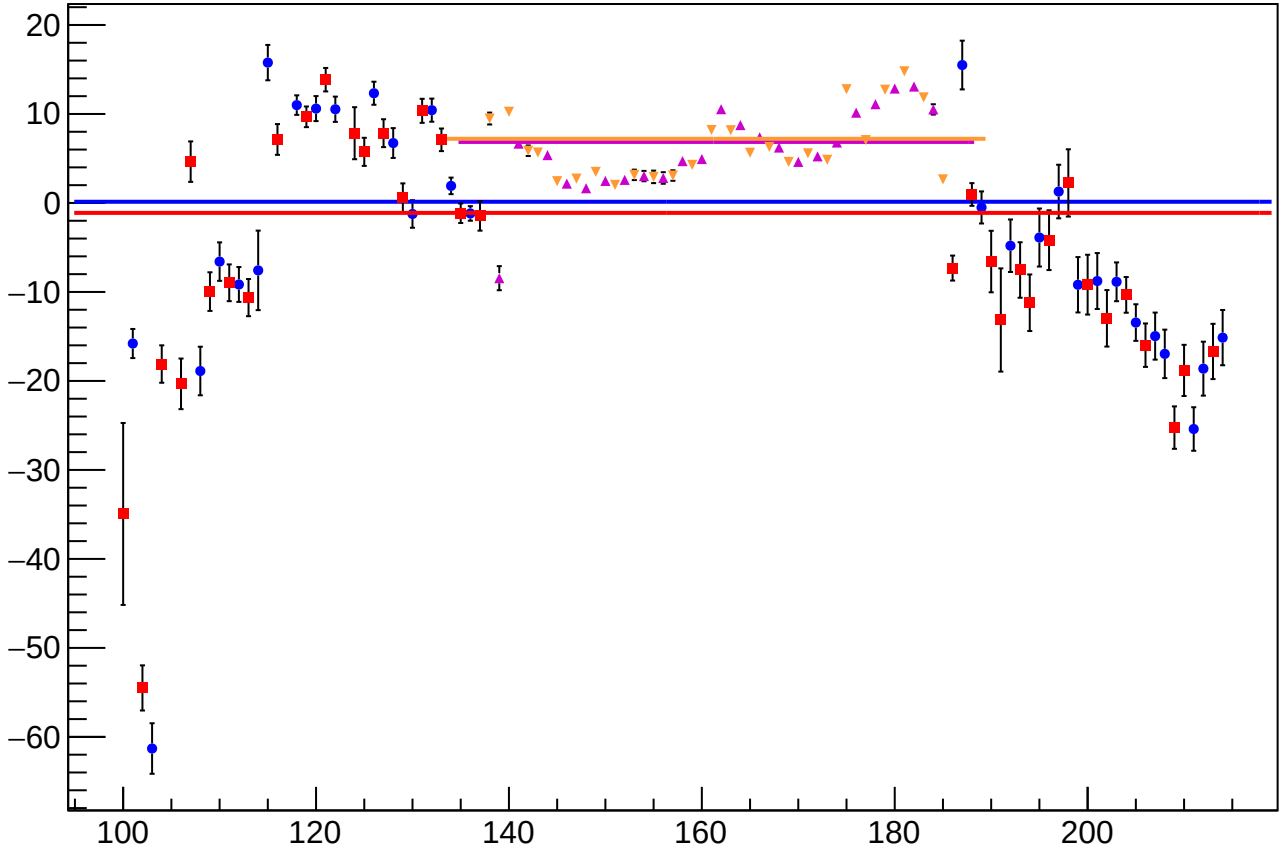
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -14.927+/-0.094 χ^2/NDF: 8573.6/54

All: -14.512+/-0.067 χ^2/NDF: 19796.4/111

- sign -14.077+/-0.096 χ^2/NDF: 11182.6/56

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.136+/-0.317 χ^2/NDF: 1446.7/29

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -1.114+/-0.328 χ^2/NDF: 1325.6/33

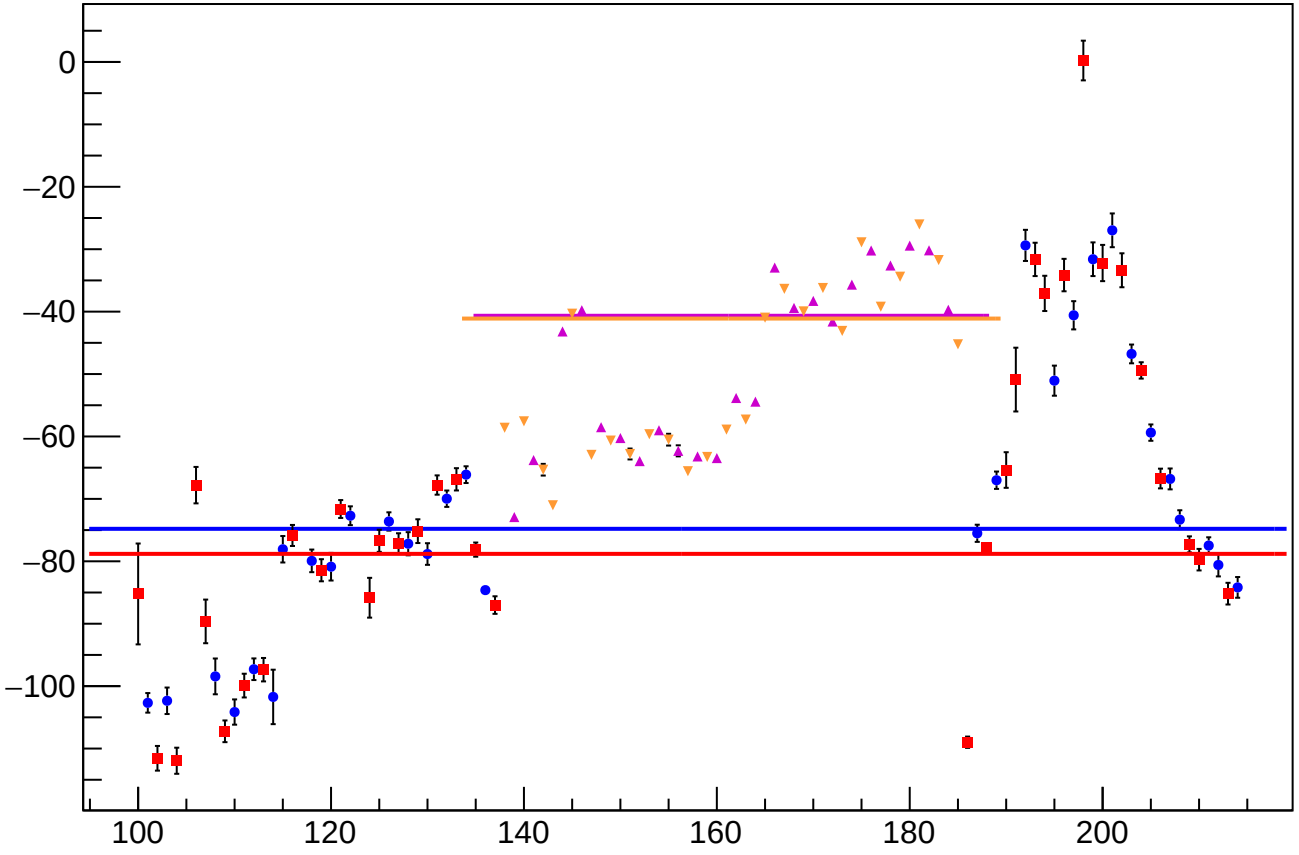
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.789+/-0.078 χ^2/NDF: 4369.9/54

All: 6.595+/-0.055 χ^2/NDF: 8421.7/111

- sign 6.396+/-0.079 χ^2/NDF: 4039.3/56

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.796+/-0.293 χ^2/NDF: 3059.1/29

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.809+/-0.288 χ^2/NDF: 4934.1/33

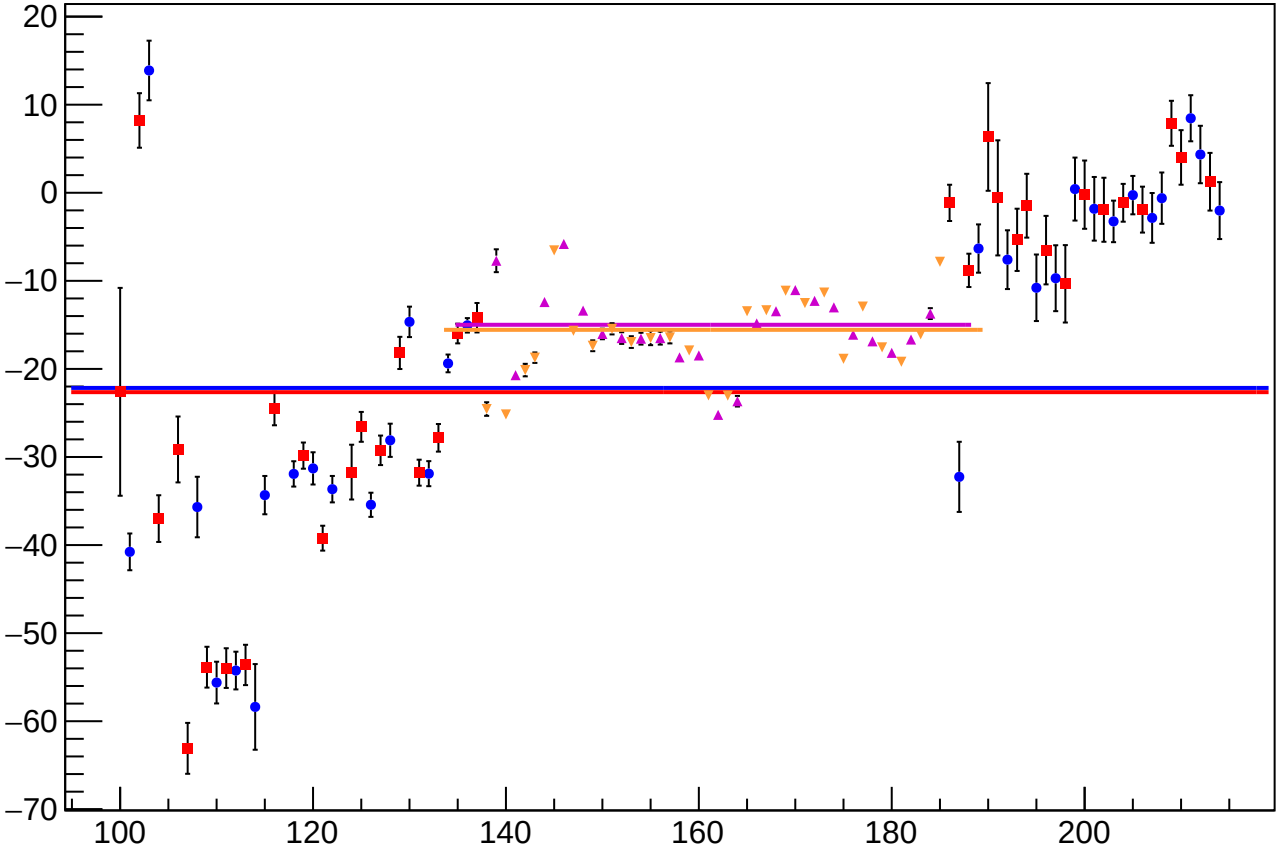
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.633+/-0.095 χ^2/NDF: 30924.0/54

All: -44.786+/-0.067 χ^2/NDF: 65028.8/111

- sign -44.945+/-0.096 χ^2/NDF: 34099.4/56

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -22.158+/-0.355 χ^2/NDF: 1759.6/29

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -22.639+/-0.376 χ^2/NDF: 1972.3/33

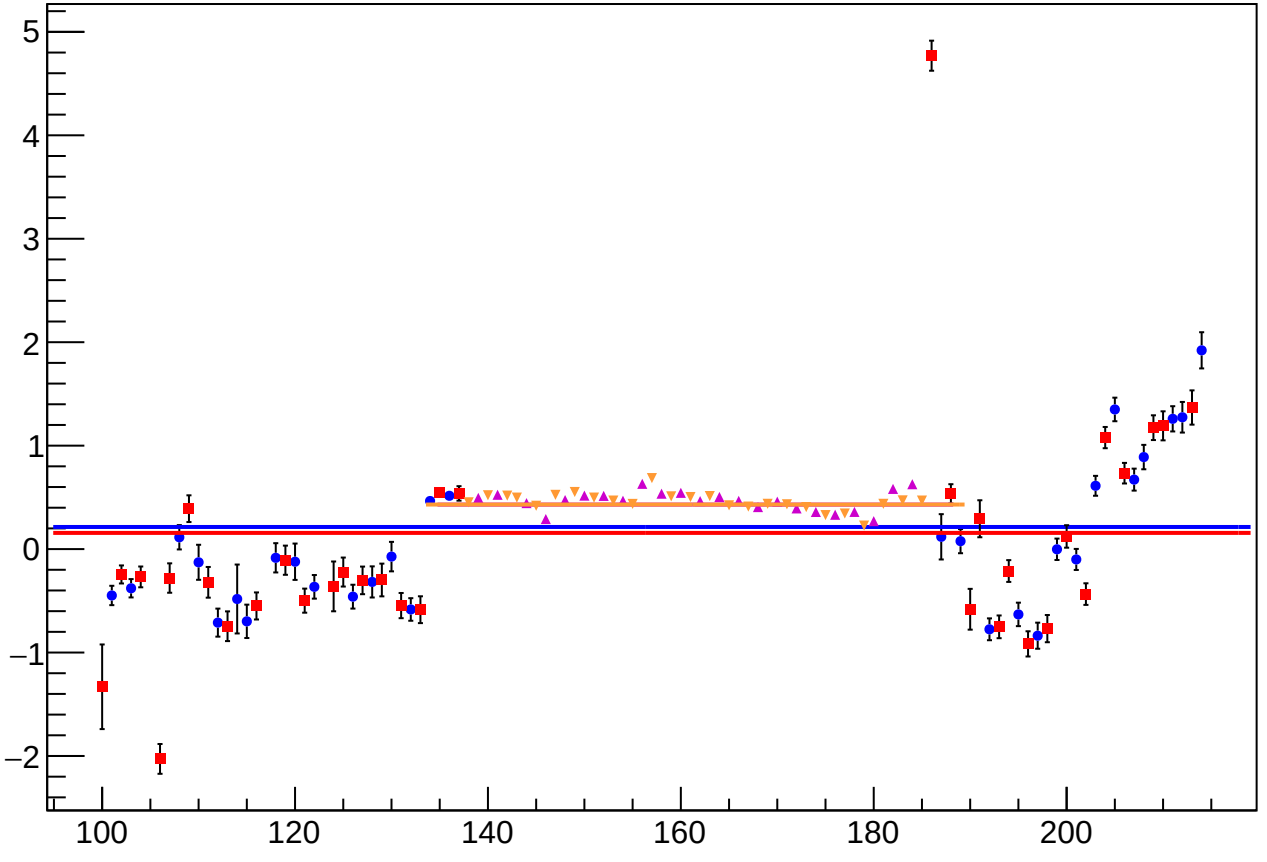
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.951+/-0.086 χ^2/NDF: 4634.2/54

All: -15.684+/-0.062 χ^2/NDF: 9168.6/111

- sign -15.407+/-0.088 χ^2/NDF: 4514.7/56

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.214+/-0.018 χ^2/NDF: 1044.5/29

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.157+/-0.019 χ^2/NDF: 2189.7/33

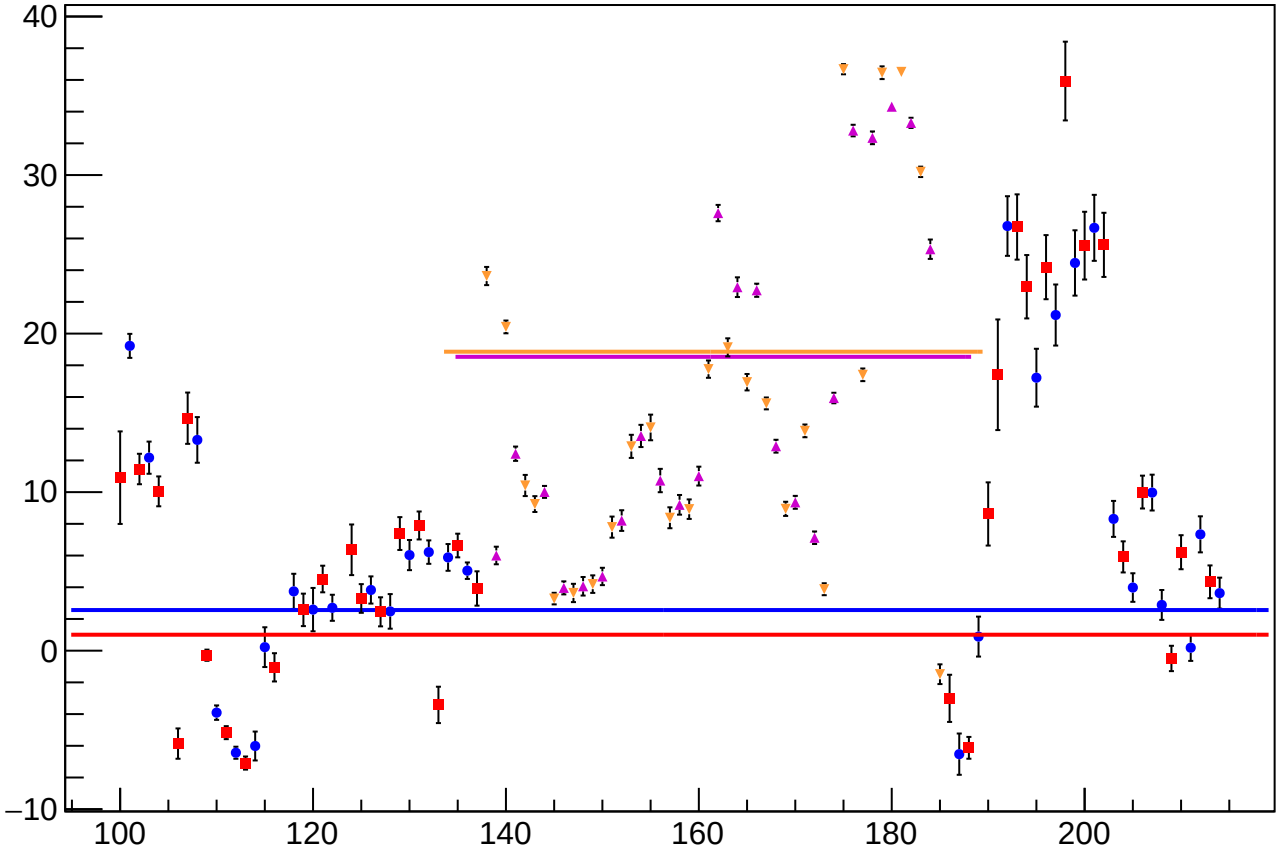
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.420+/-0.004 χ^2/NDF: 1605.7/54

All: 0.419+/-0.003 χ^2/NDF: 4574.3/111

- sign 0.418+/-0.004 χ^2/NDF: 2968.4/56

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.563+/-0.159 χ^2/NDF: 2281.1/29

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.007+/-0.149 χ^2/NDF: 2365.5/33

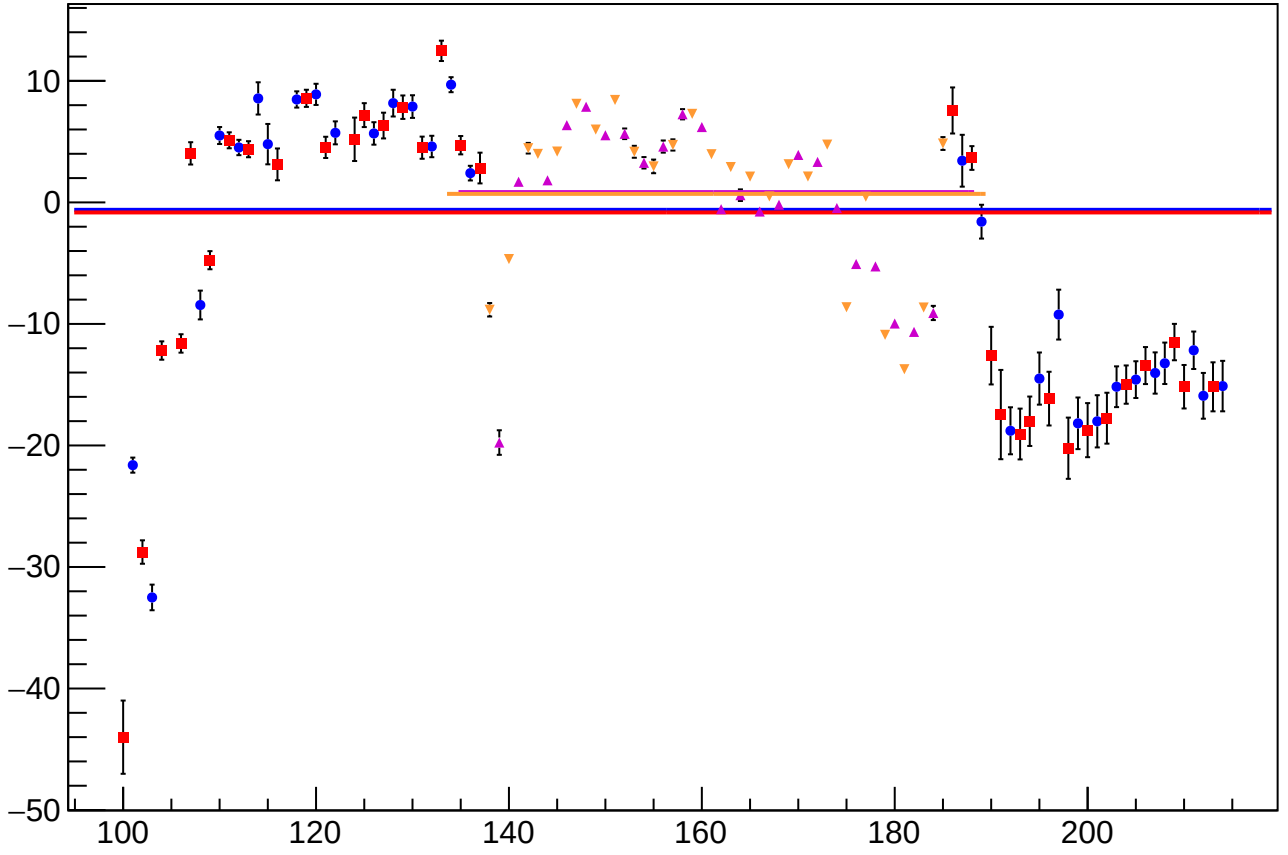
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.877+/-0.079 χ^2/NDF: 28592.2/54

All: 14.234+/-0.056 χ^2/NDF: 55140.5/111

- sign 13.585+/-0.079 χ^2/NDF: 26413.8/56

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -0.612+/-0.187 χ^2/NDF: 3919.0/29

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.826+/-0.185 χ^2/NDF: 3235.6/33

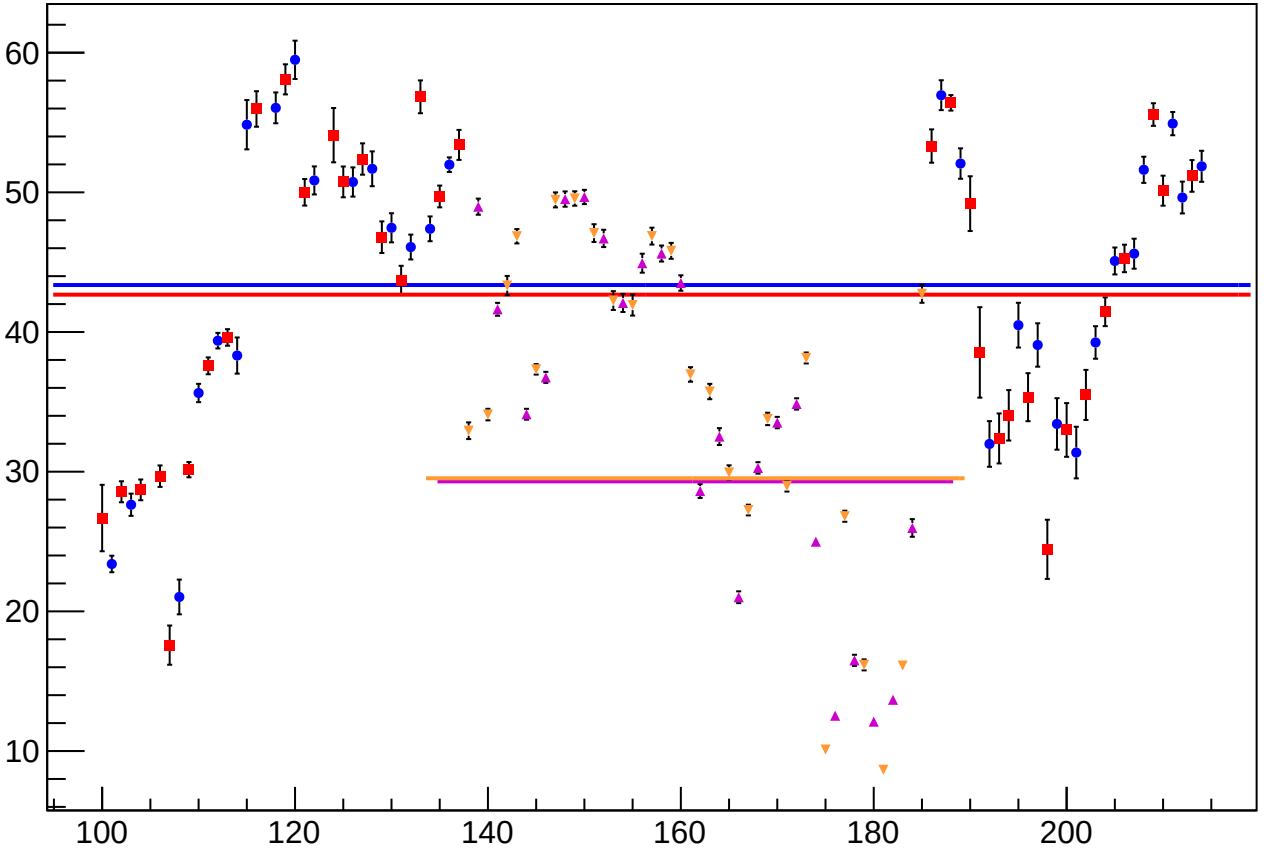
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

\+ sign 0.539+/-0.066 χ^2/NDF: 12199.8/54

All: 0.581+/-0.047 χ^2/NDF: 21552.4/111

\- sign 0.625+/-0.067 χ^2/NDF: 9351.7/56

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.365+/-0.174 χ^2/NDF: 3566.7/29

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.675+/-0.168 χ^2/NDF: 4115.8/33

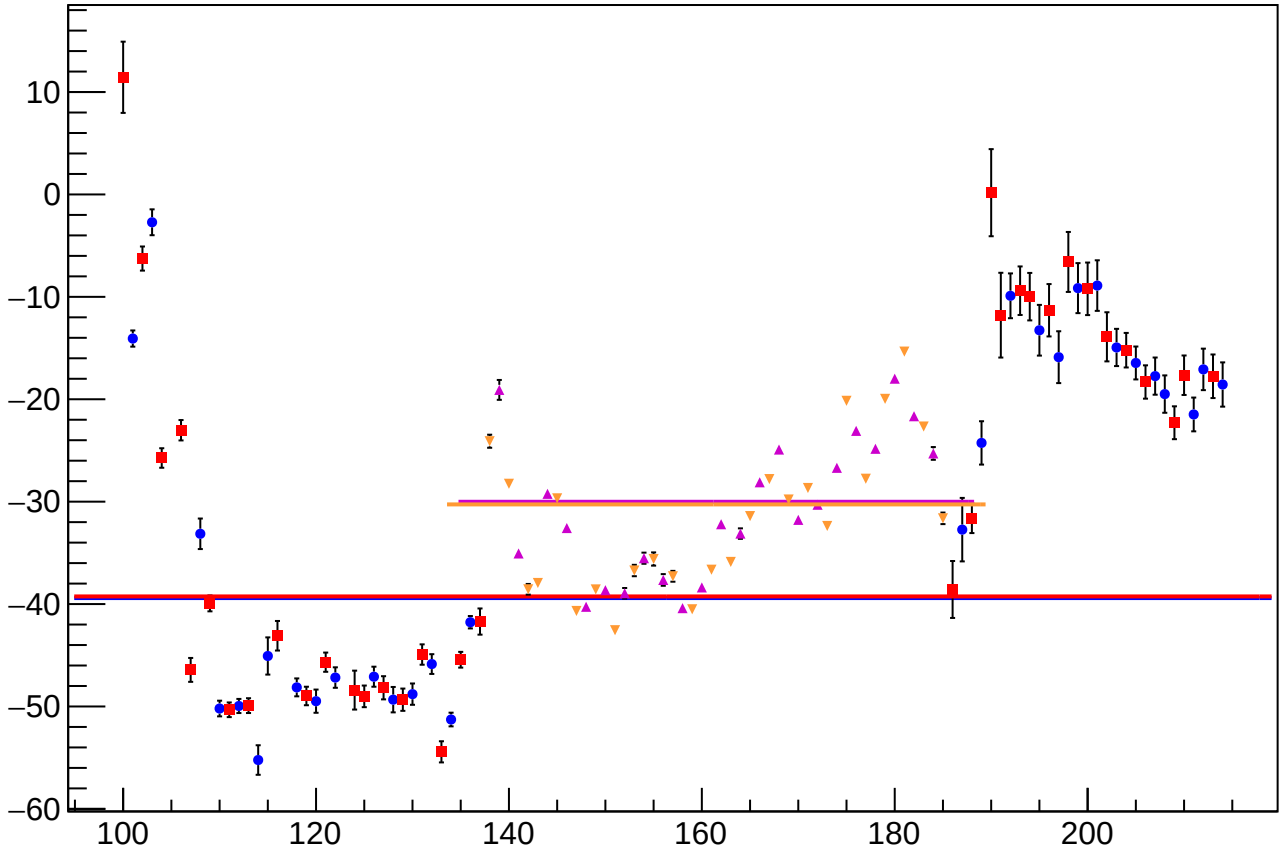
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

\+ sign 32.465+/-0.080 χ^2/NDF: 29606.9/54

All: 32.458+/-0.057 χ^2/NDF: 56445.3/111

\- sign 32.451+/-0.081 χ^2/NDF: 26838.4/56

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -39.413+/-0.212 χ^2/NDF: 4992.3/29

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.255+/-0.211 χ^2/NDF: 4380.1/33

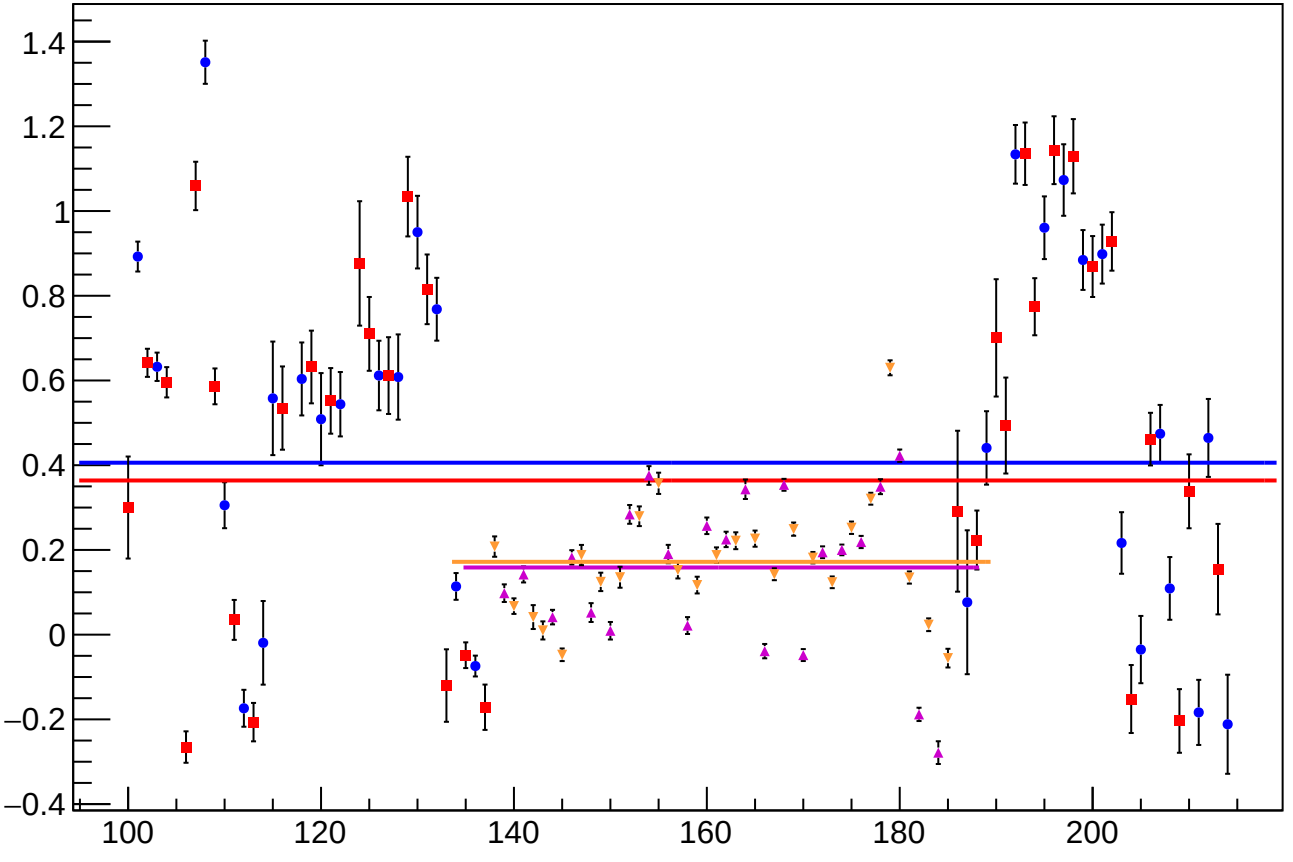
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.392+/-0.074 χ^2/NDF: 15129.7/54

All: -31.299+/-0.053 χ^2/NDF: 27260.0/111

- sign -31.202+/-0.076 χ^2/NDF: 12127.1/56

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.406+/-0.011 χ^2/NDF: 1801.5/29

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.364+/-0.010 χ^2/NDF: 1784.4/33

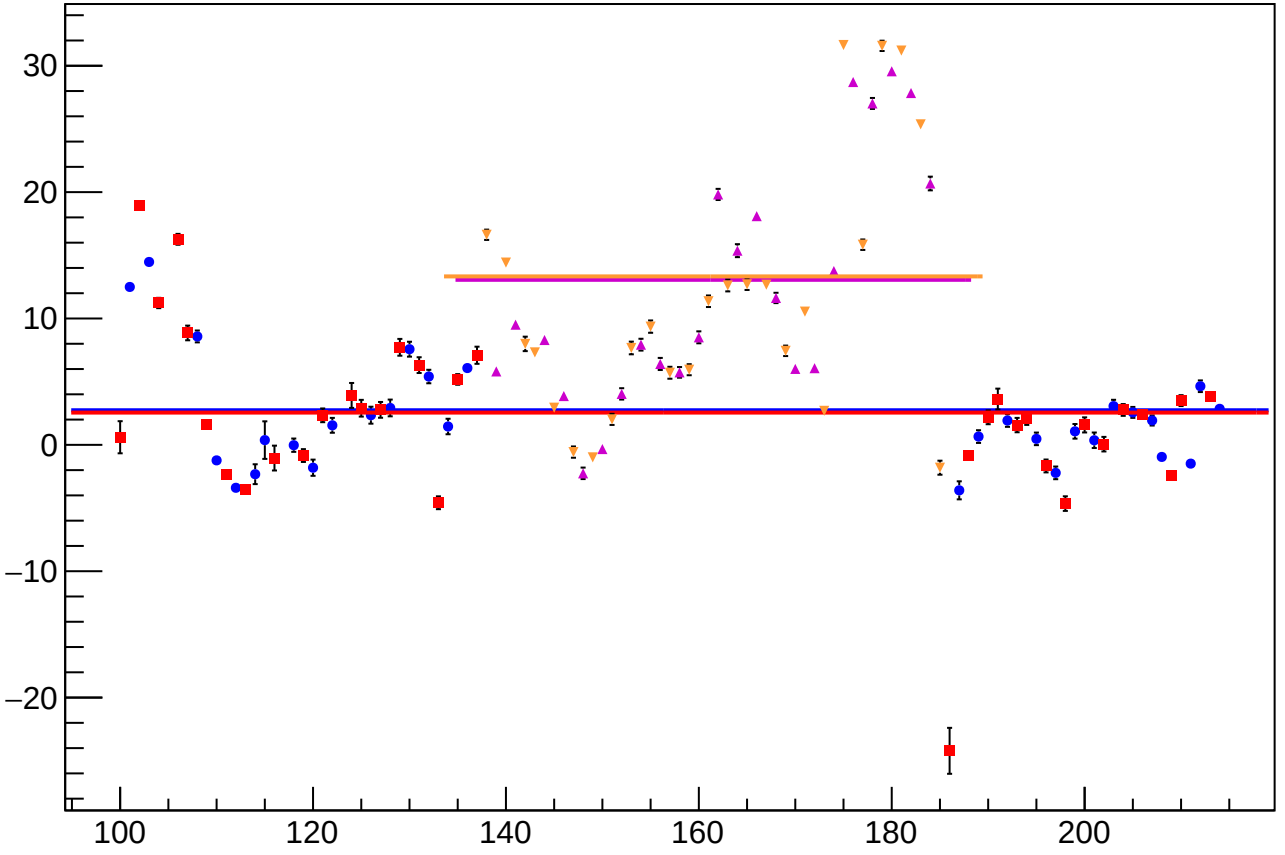
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3742.2/54

All: 0.188+/-0.002 χ^2/NDF: 8066.2/111

- sign 0.181+/-0.003 χ^2/NDF: 4314.3/56

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.738+/-0.084 χ^2/NDF: 3351.9/29

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

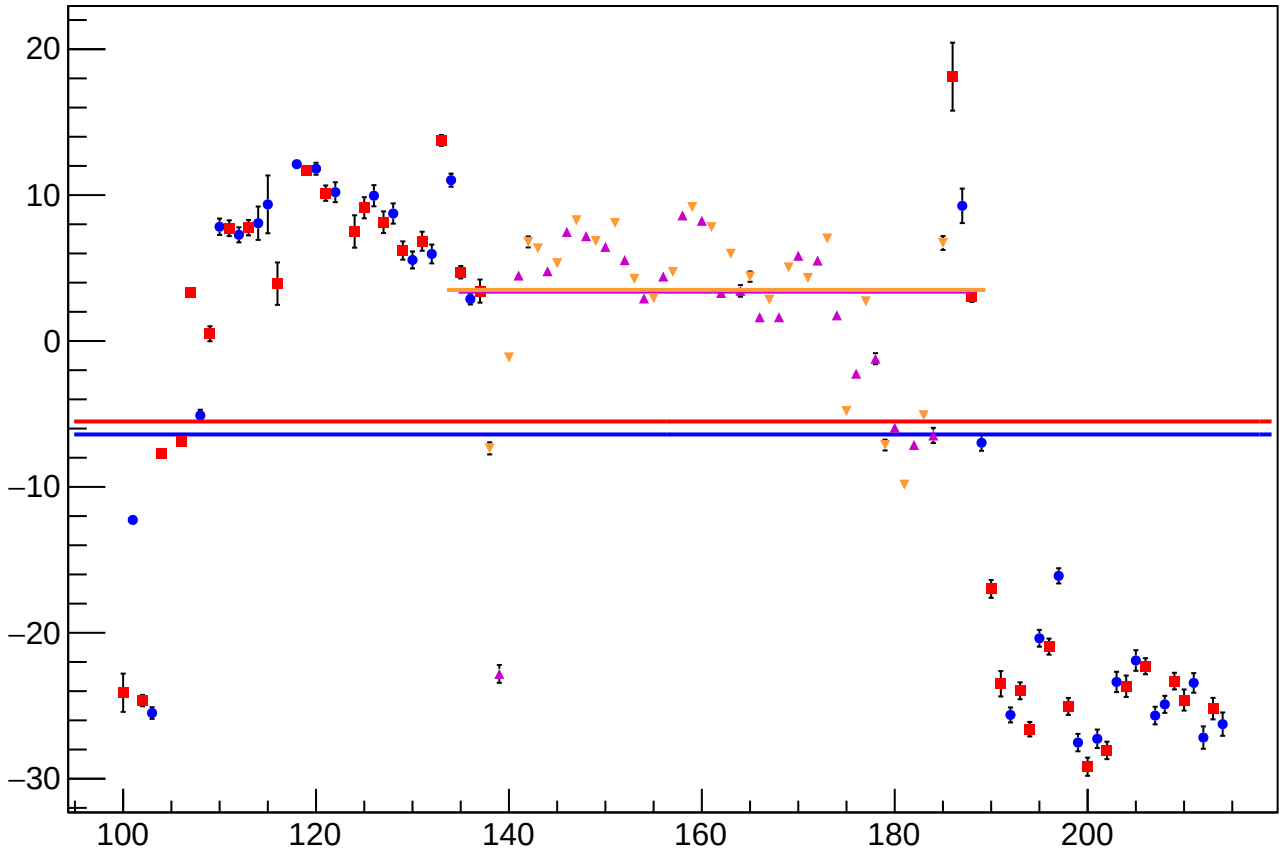
Right Out: 2.554+/-0.079 χ^2/NDF: 5398.6/33

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

\+ sign 8.533+/-0.057 χ^2/NDF: 31408.5/54

All: 8.168+/-0.040 χ^2/NDF: 61215.8/111

\- sign 7.811+/-0.056 χ^2/NDF: 29725.7/56



Right In: -6.405+/-0.096 χ^2/NDF: 24161.6/29

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -5.516+/-0.090 χ^2/NDF: 26290.4/33

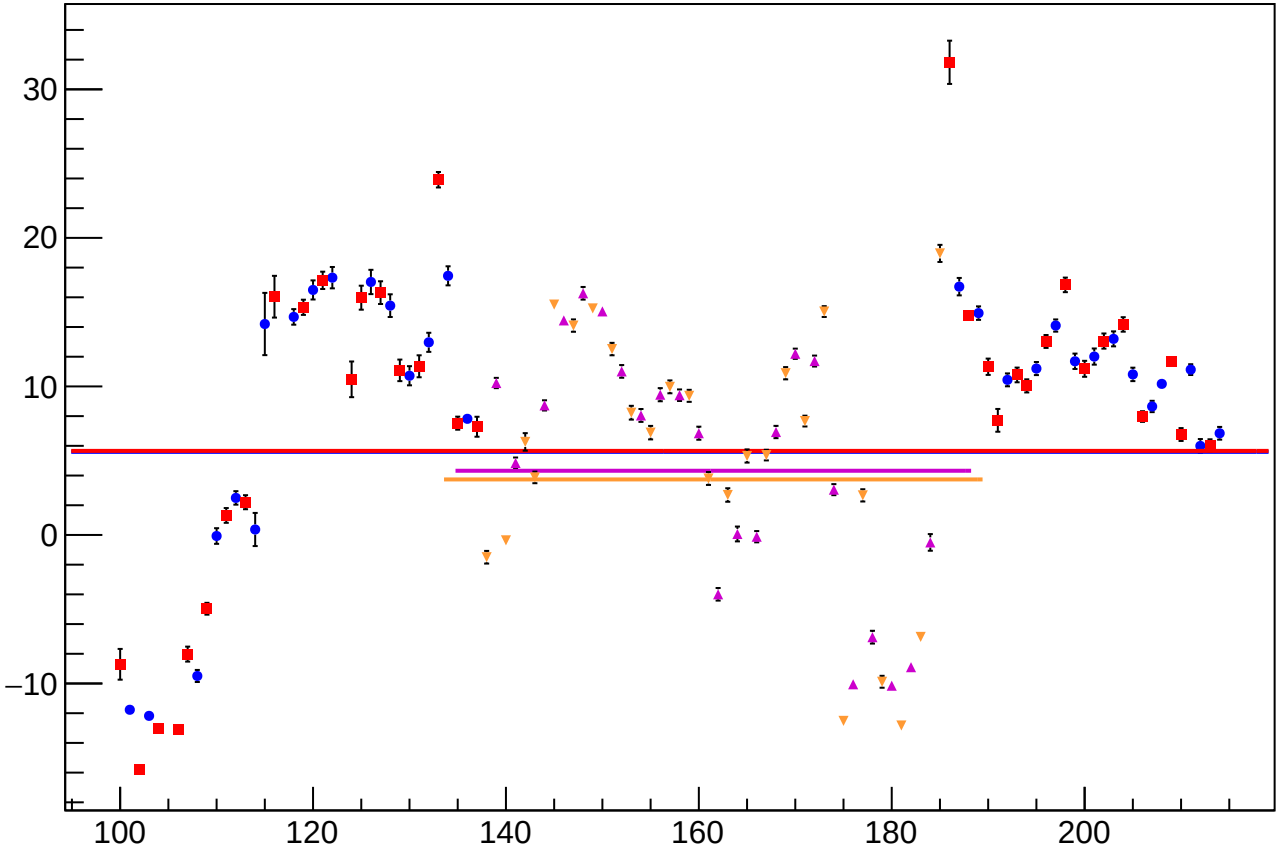
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 0.799+/-0.050 χ^2/NDF: 39884.1/54

All: 0.697+/-0.036 χ^2/NDF: 79569.5/111

- sign 0.593+/-0.051 χ^2/NDF: 39677.0/56

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 5.595+/-0.083 χ^2/NDF: 14130.2/29

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.660+/-0.078 χ^2/NDF: 20396.3/33

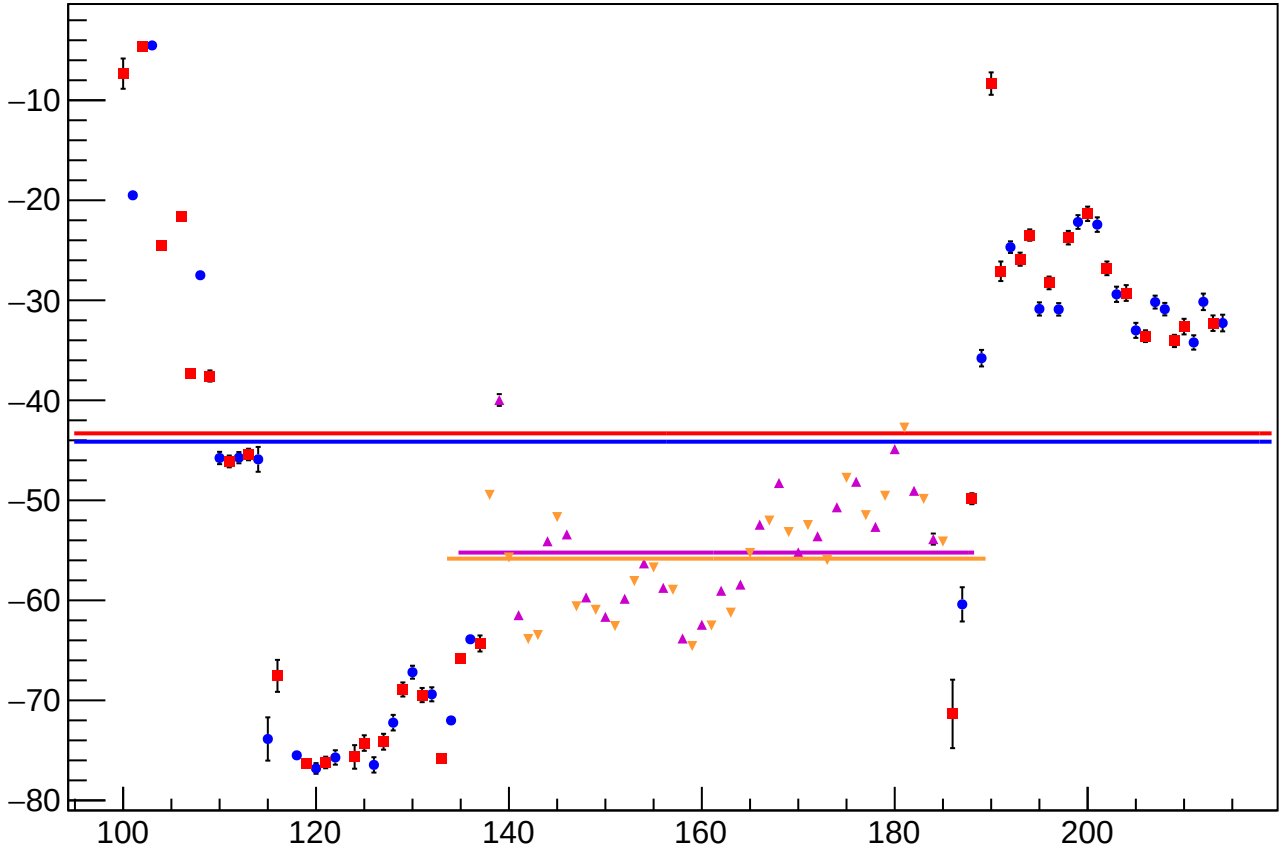
Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.585+/-0.056 χ^2/NDF: 29986.4/54

All: 4.793+/-0.040 χ^2/NDF: 63038.2/111

- sign 4.994+/-0.055 χ^2/NDF: 33025.0/56

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -44.137+/-0.111 χ^2/NDF: 42778.8/29

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -43.303+/-0.106 χ^2/NDF: 43999.2/33

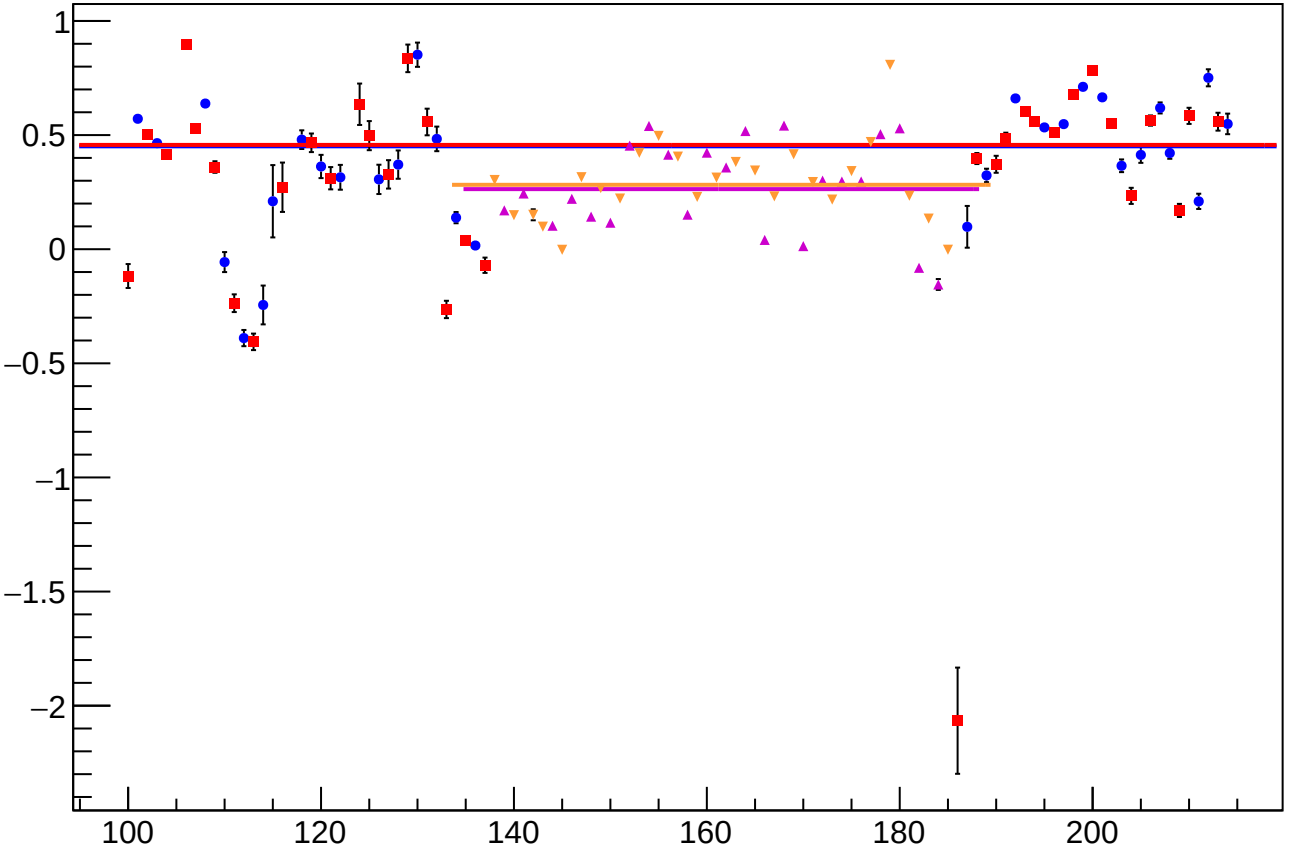
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.753+/-0.057 χ^2/NDF: 58552.2/54

All: -52.240+/-0.041 χ^2/NDF: 117921.9/111

- sign -51.712+/-0.058 χ^2/NDF: 59204.7/56

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.451+/-0.005 χ^2/NDF: 2729.0/29

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.457+/-0.004 χ^2/NDF: 3769.8/33

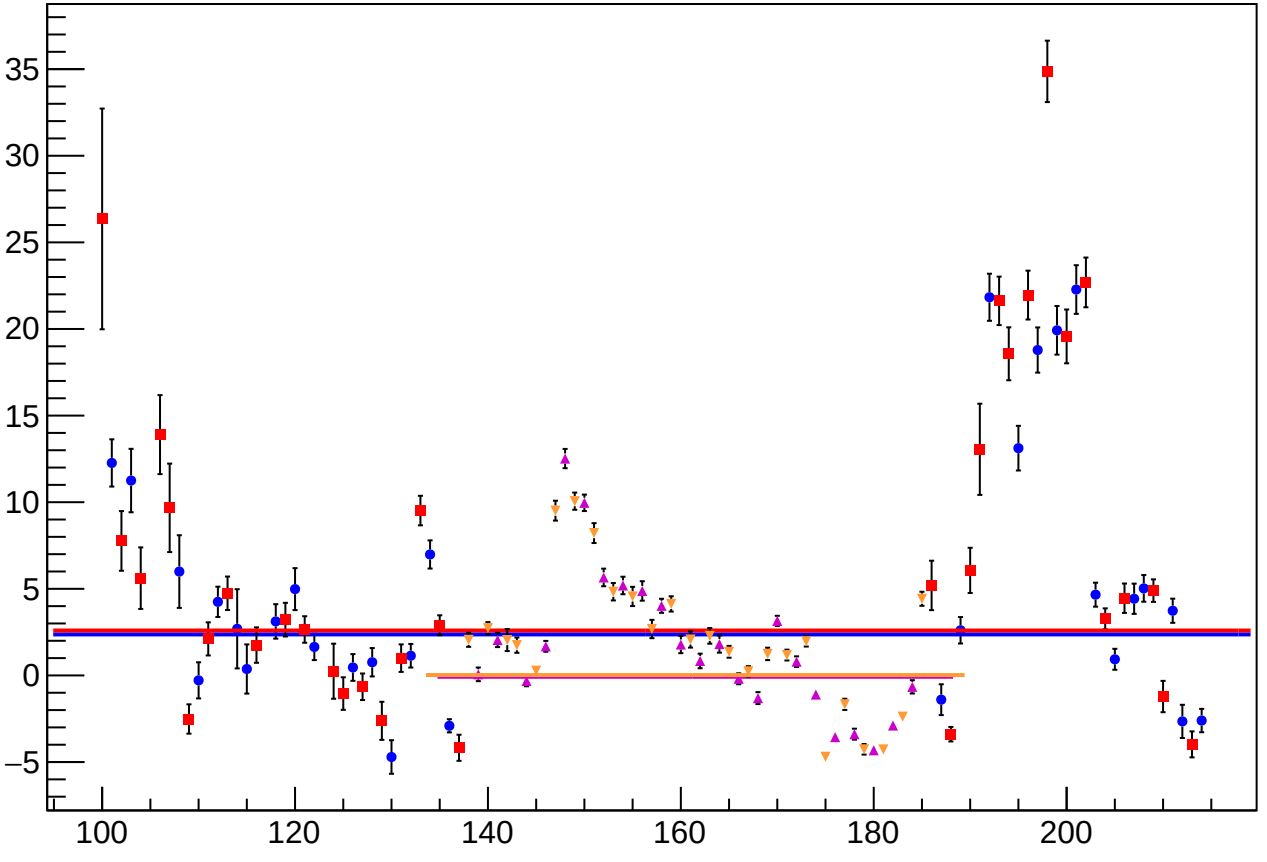
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.331+/-0.003 χ^2/NDF: 6377.2/54

All: 0.329+/-0.002 χ^2/NDF: 15307.0/111

- sign 0.326+/-0.002 χ^2/NDF: 8927.5/56

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.367+/-0.156 χ^2/NDF: 1315.9/29

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.592+/-0.160 χ^2/NDF: 1782.1/33

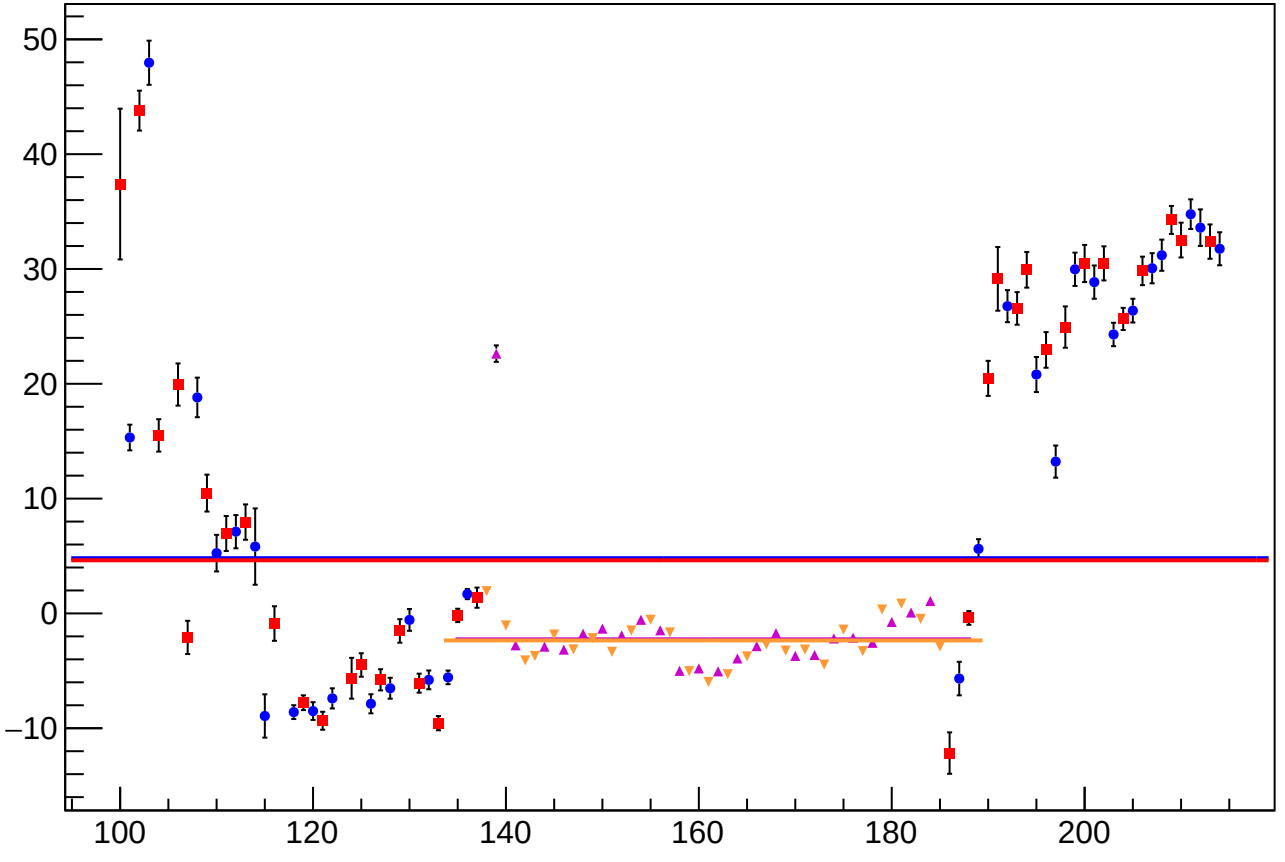
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.401+/-0.063 χ^2/NDF: 4264.4/54

All: 0.380+/-0.045 χ^2/NDF: 8745.2/111

- sign 0.358+/-0.065 χ^2/NDF: 4480.5/56

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 4.810+/-0.182 χ^2/NDF: 6431.2/29

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 4.627+/-0.187 χ^2/NDF: 6292.2/33

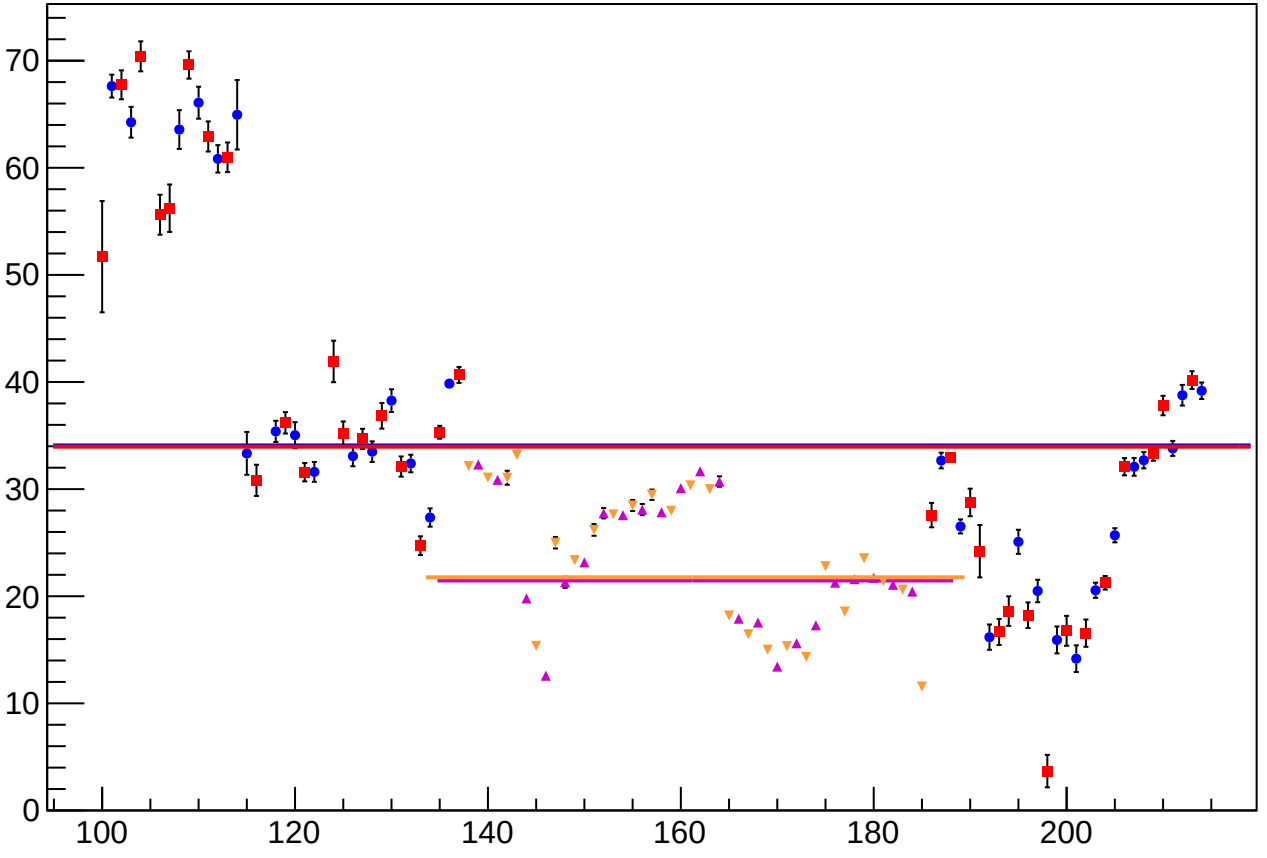
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.748+/-0.053 χ^2/NDF: 8982.0/54

All: -1.717+/-0.038 χ^2/NDF: 18390.7/111

- sign -1.685+/-0.054 χ^2/NDF: 9408.0/56

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 34.080+/-0.161 χ^2/NDF: 4659.9/29

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.963+/-0.161 χ^2/NDF: 5168.1/33

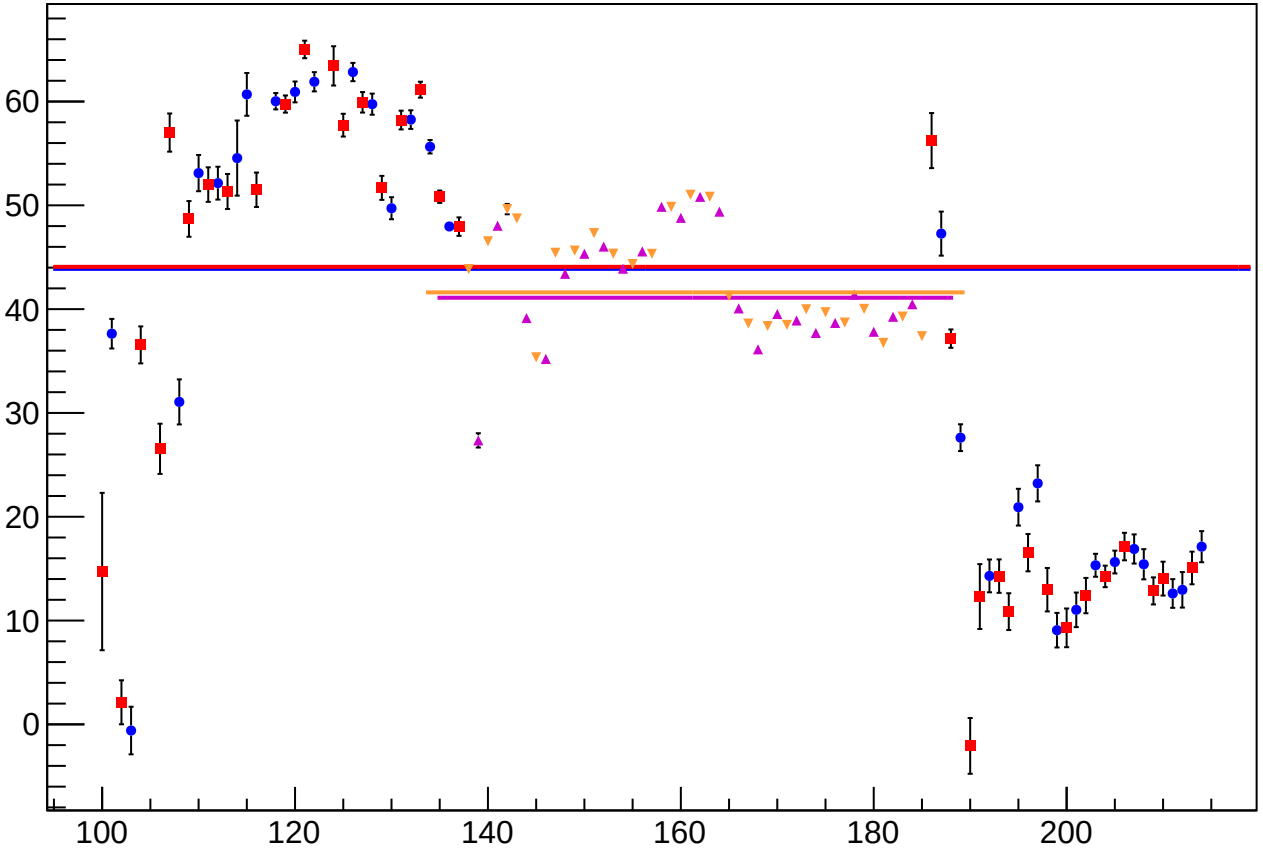
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.682+/-0.063 χ^2/NDF: 16442.3/54

All: 23.589+/-0.045 χ^2/NDF: 32461.6/111

- sign 23.492+/-0.065 χ^2/NDF: 16014.9/56

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 43.880+/-0.204 χ^2/NDF: 7940.9/29

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 44.076+/-0.215 χ^2/NDF: 7838.5/33

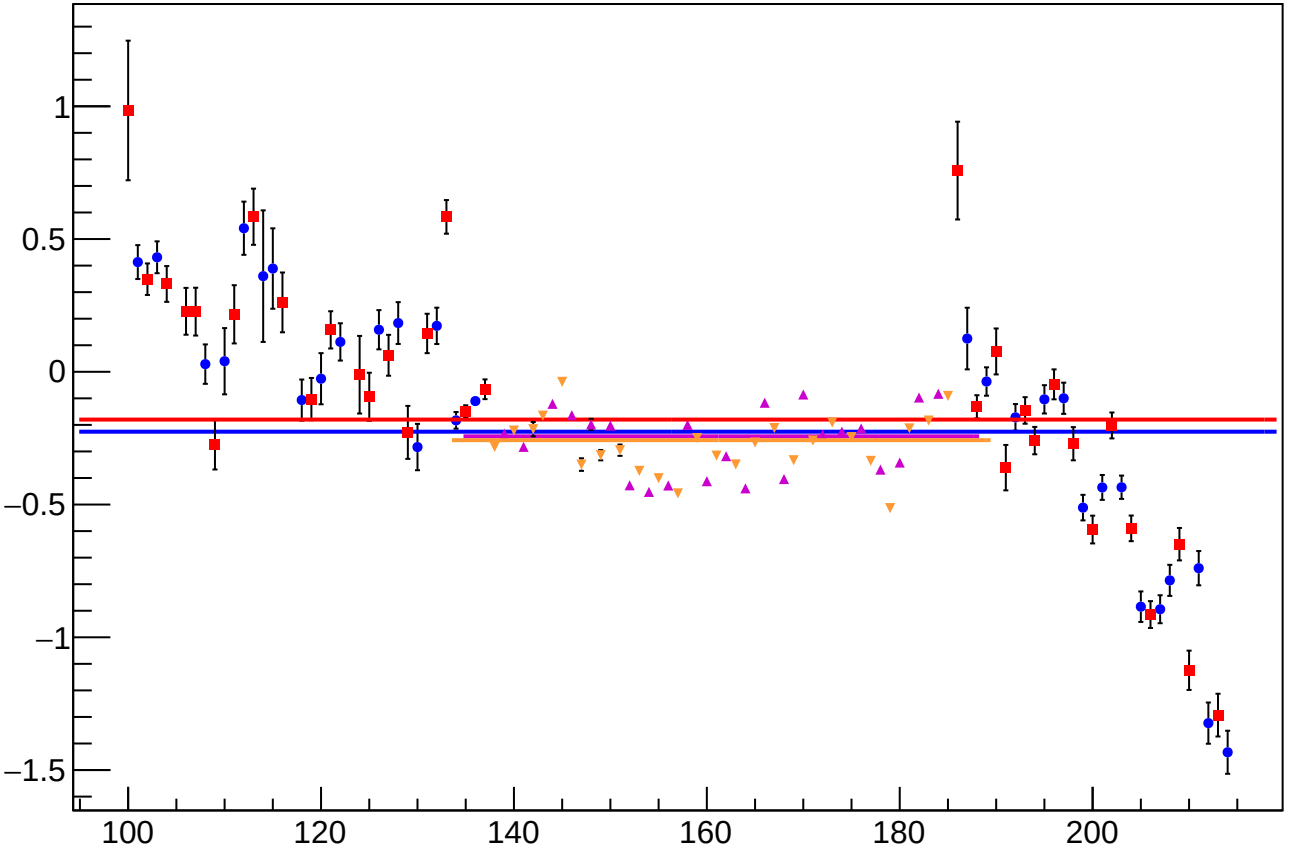
Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.801+/-0.059 χ^2/NDF: 13830.1/54

All: 41.572+/-0.042 χ^2/NDF: 27354.8/111

- sign 41.331+/-0.060 χ^2/NDF: 13493.4/56

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.226+/-0.010 χ^2/NDF: 1456.4/29

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

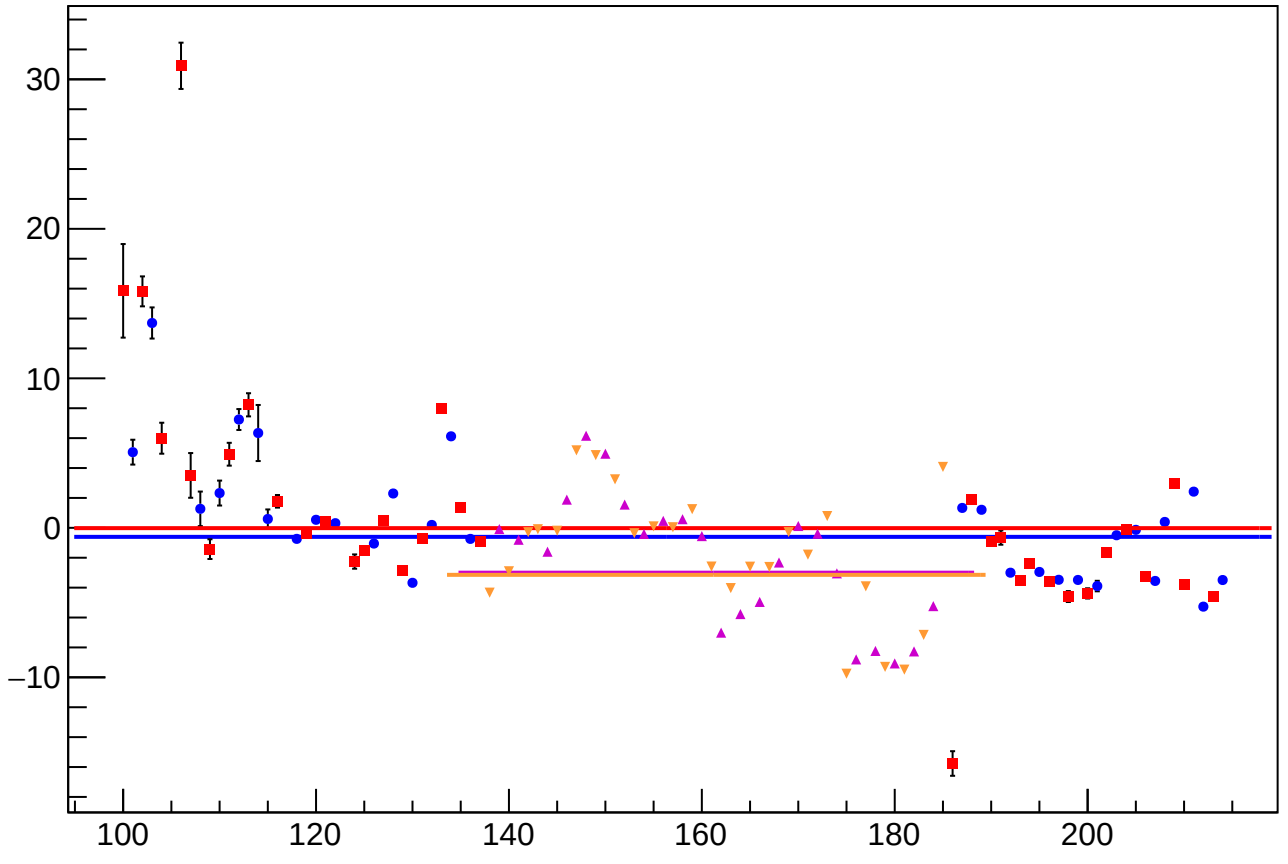
Right Out: -0.180+/-0.010 χ^2/NDF: 1301.9/33

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.255+/-0.003 χ^2/NDF: 2981.4/54

All: -0.247+/-0.002 χ^2/NDF: 6149.0/111

- sign -0.239+/-0.003 χ^2/NDF: 3148.3/56



Right In: -0.604+/-0.047 χ^2/NDF: 2888.8/29

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.021+/-0.047 χ^2/NDF: 5570.1/33

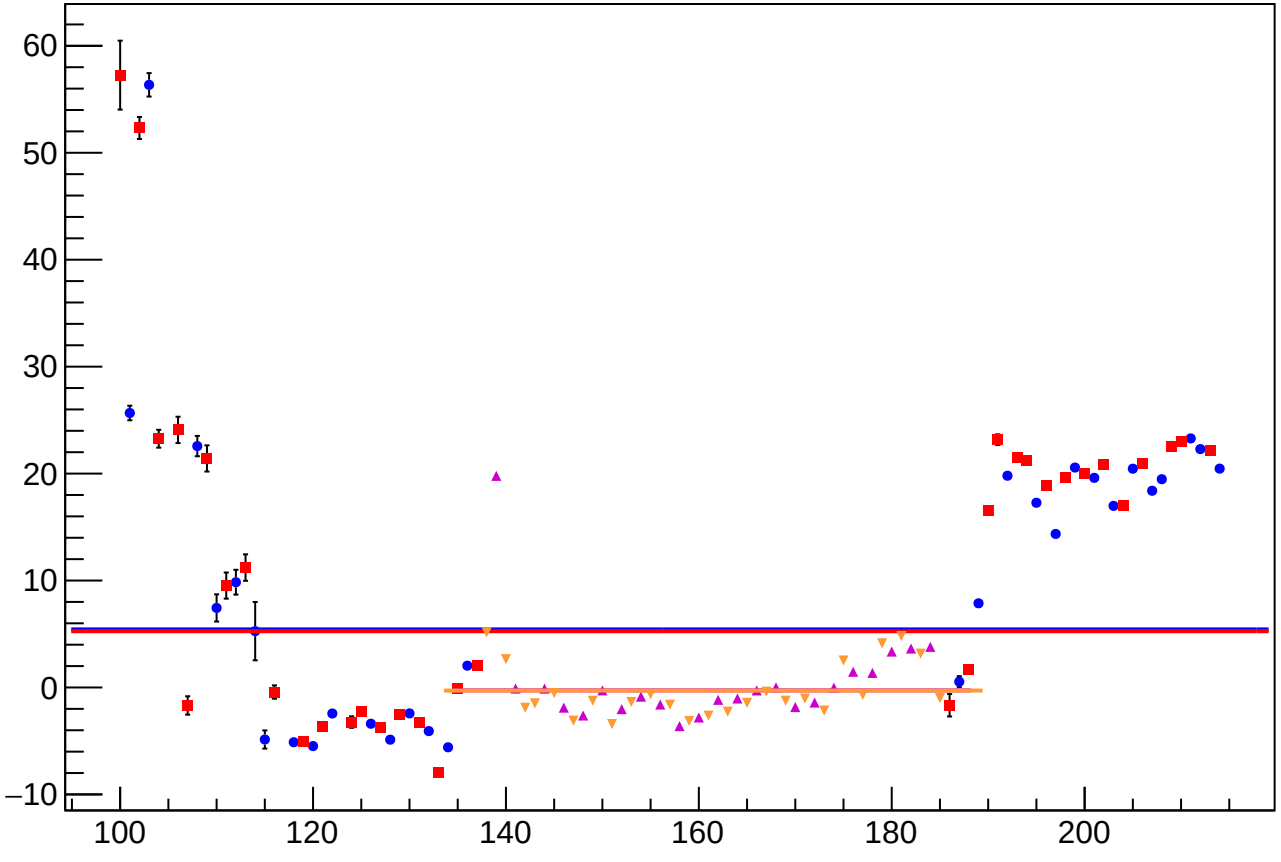
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.496+/-0.024 χ^2/NDF: 30388.5/54

All: -2.345+/-0.017 χ^2/NDF: 61442.6/111

- sign -2.189+/-0.024 χ^2/NDF: 30973.0/56

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 5.430+/-0.055 χ^2/NDF: 43176.5/29

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.259+/-0.053 χ^2/NDF: 51549.4/33

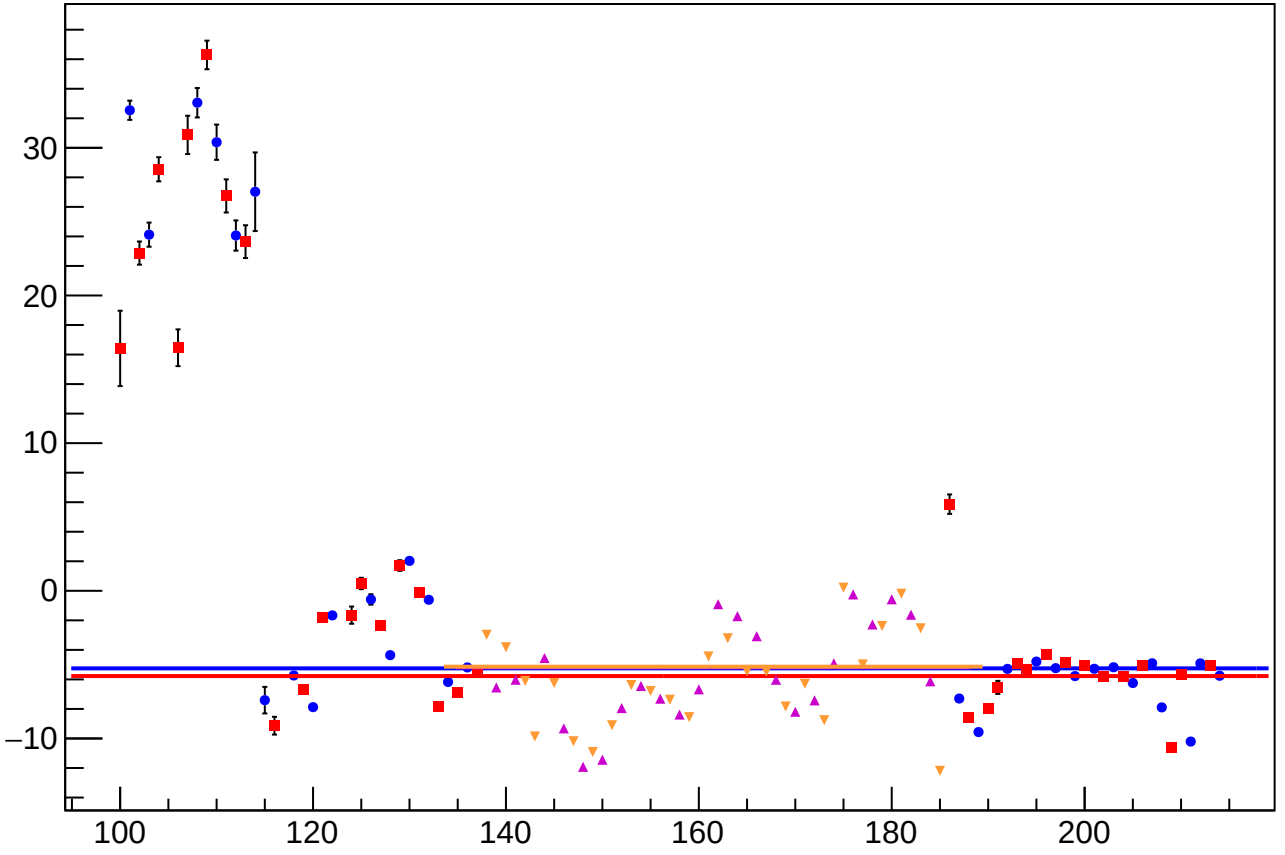
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.498+/-0.020 χ^2/NDF: 64823.3/54

All: 0.529+/-0.014 χ^2/NDF: 138860.9/111

- sign 0.561+/-0.021 χ^2/NDF: 74032.8/56

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.252+/-0.048 χ^2/NDF: 10708.8/29

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.773+/-0.045 χ^2/NDF: 11512.0/33

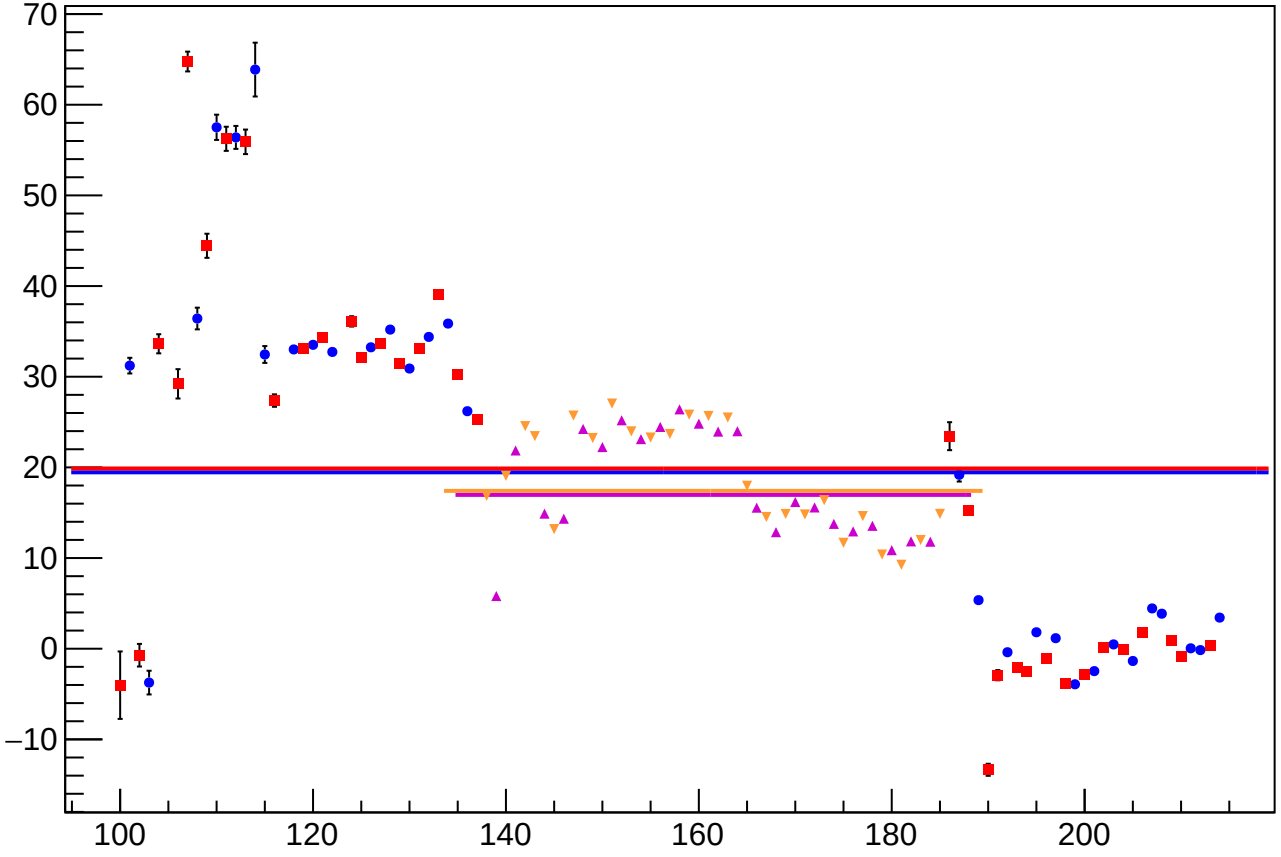
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.167+/-0.024 χ^2/NDF: 25339.1/54

All: -5.256+/-0.017 χ^2/NDF: 50966.9/111

- sign -5.346+/-0.024 χ^2/NDF: 25600.1/56

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 19.455+/-0.063 χ^2/NDF: 63171.9/29

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 19.878+/-0.062 χ^2/NDF: 76777.0/33

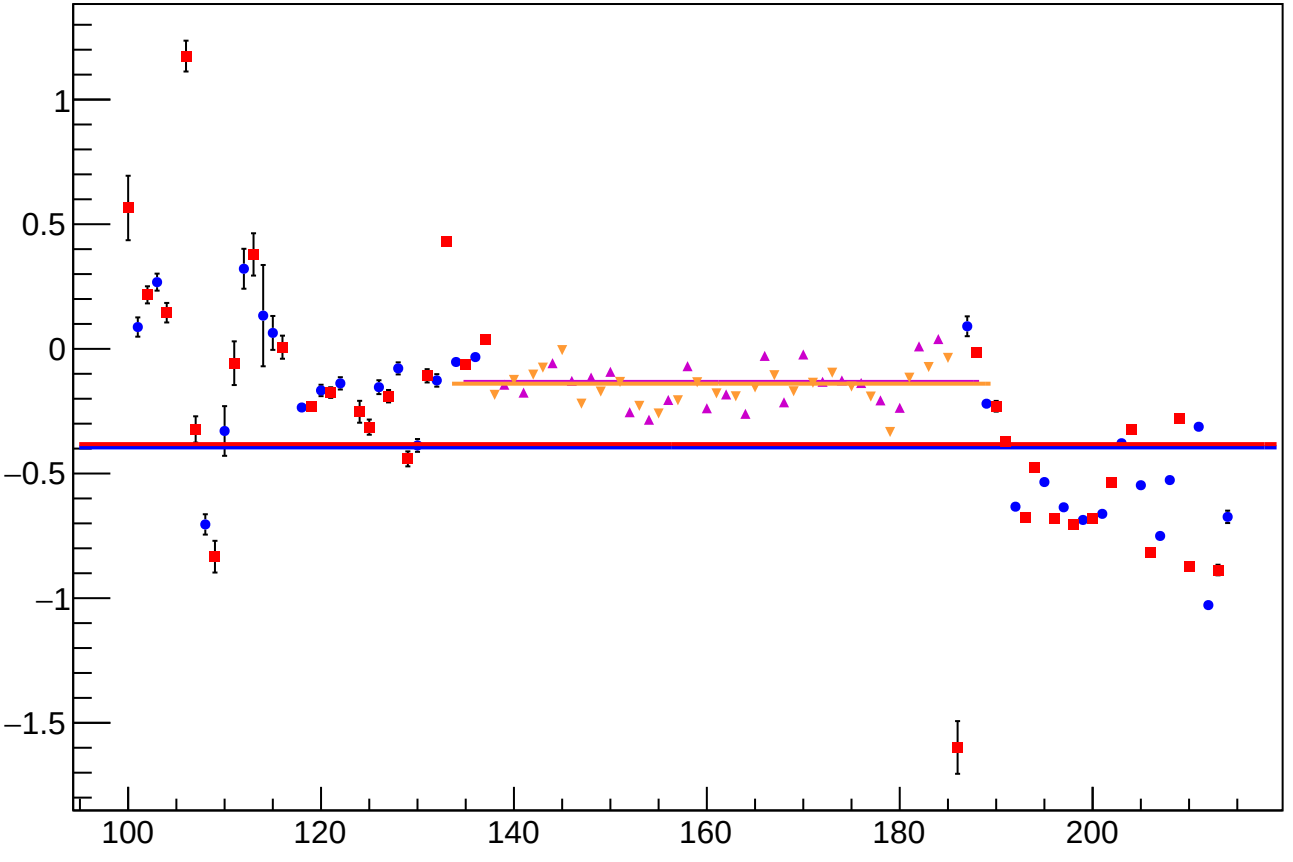
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.680+/-0.023 χ^2/NDF: 114731.2/54

All: 17.532+/-0.016 χ^2/NDF: 233447.0/111

- sign 17.378+/-0.023 χ^2/NDF: 118629.4/56

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.395+/-0.003 χ^2/NDF: 9696.0/29

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.382+/-0.003 χ^2/NDF: 14169.4/33

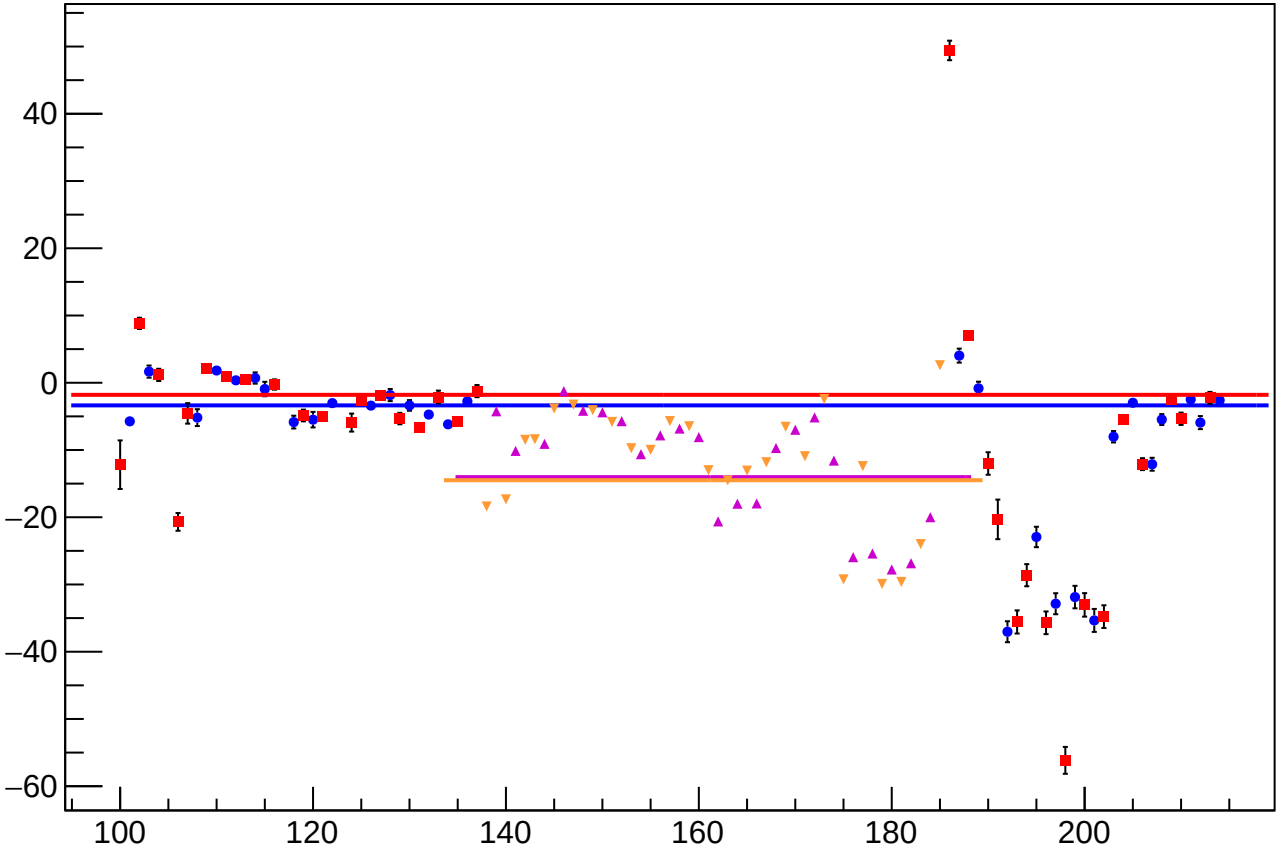
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.172+/-0.001 χ^2/NDF: 20719.5/54

All: -0.169+/-0.001 χ^2/NDF: 47242.7/111

- sign -0.166+/-0.001 χ^2/NDF: 26507.8/56

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.366+/-0.135 χ^2/NDF: 2215.9/29

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.798+/-0.129 χ^2/NDF: 5049.7/33

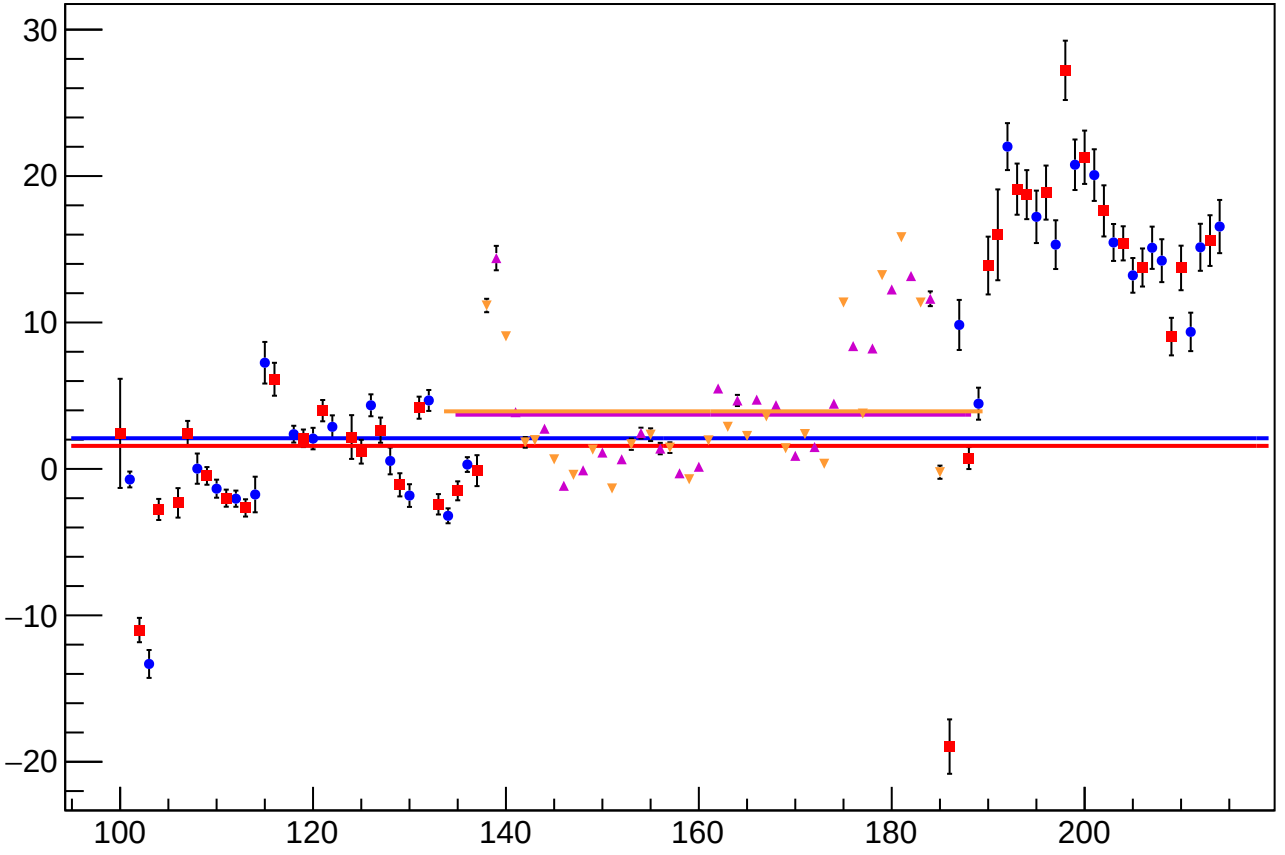
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.881+/-0.065 χ^2/NDF: 24649.9/54

All: -11.370+/-0.046 χ^2/NDF: 49920.0/111

- sign -10.849+/-0.066 χ^2/NDF: 25146.8/56

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.095+/-0.158 χ^2/NDF: 1620.1/29

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.573+/-0.161 χ^2/NDF: 1724.1/33

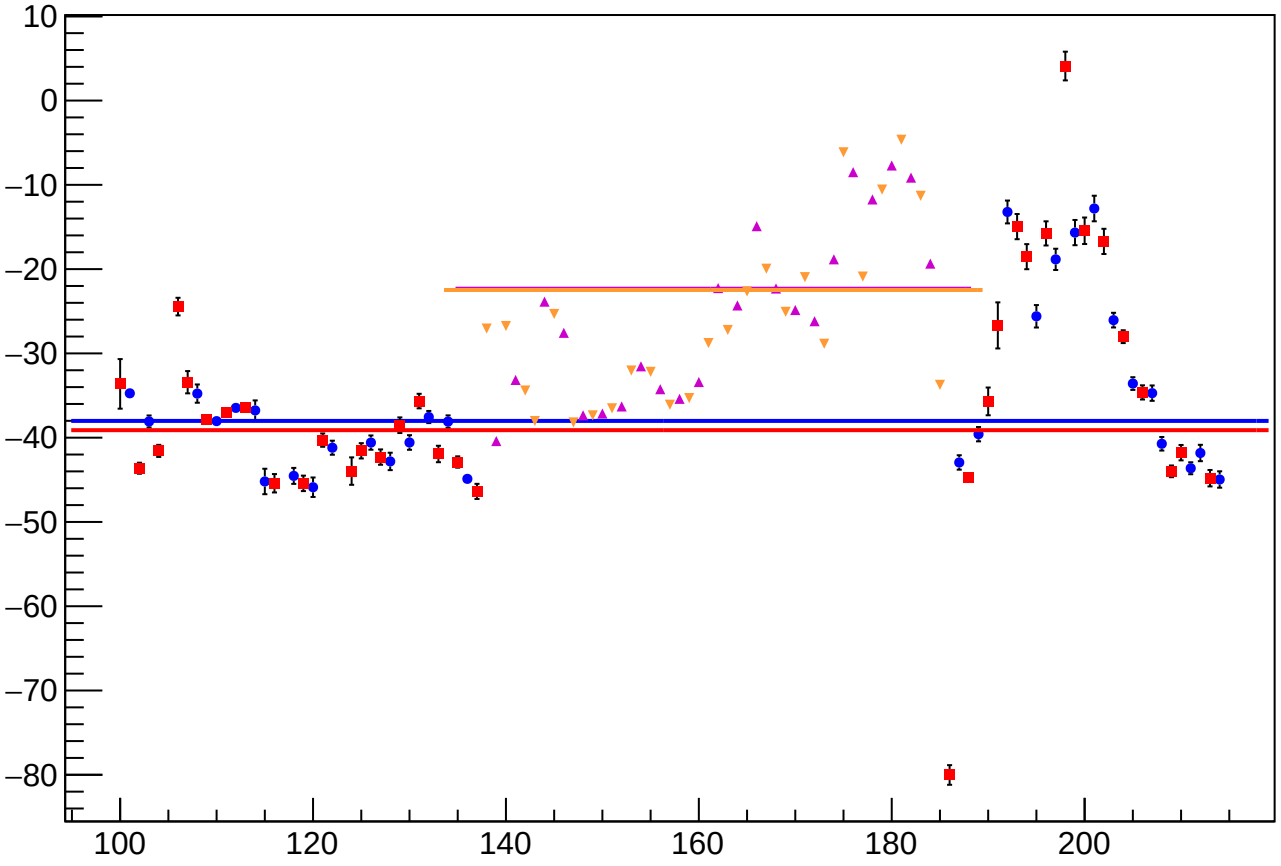
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.715+/-0.054 χ^2/NDF: 8718.1/54

All: 3.584+/-0.039 χ^2/NDF: 15397.6/111

- sign 3.447+/-0.056 χ^2/NDF: 6667.7/56

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -38.010+/-0.147 χ^2/NDF: 2040.8/29

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.109+/-0.145 χ^2/NDF: 4134.9/33

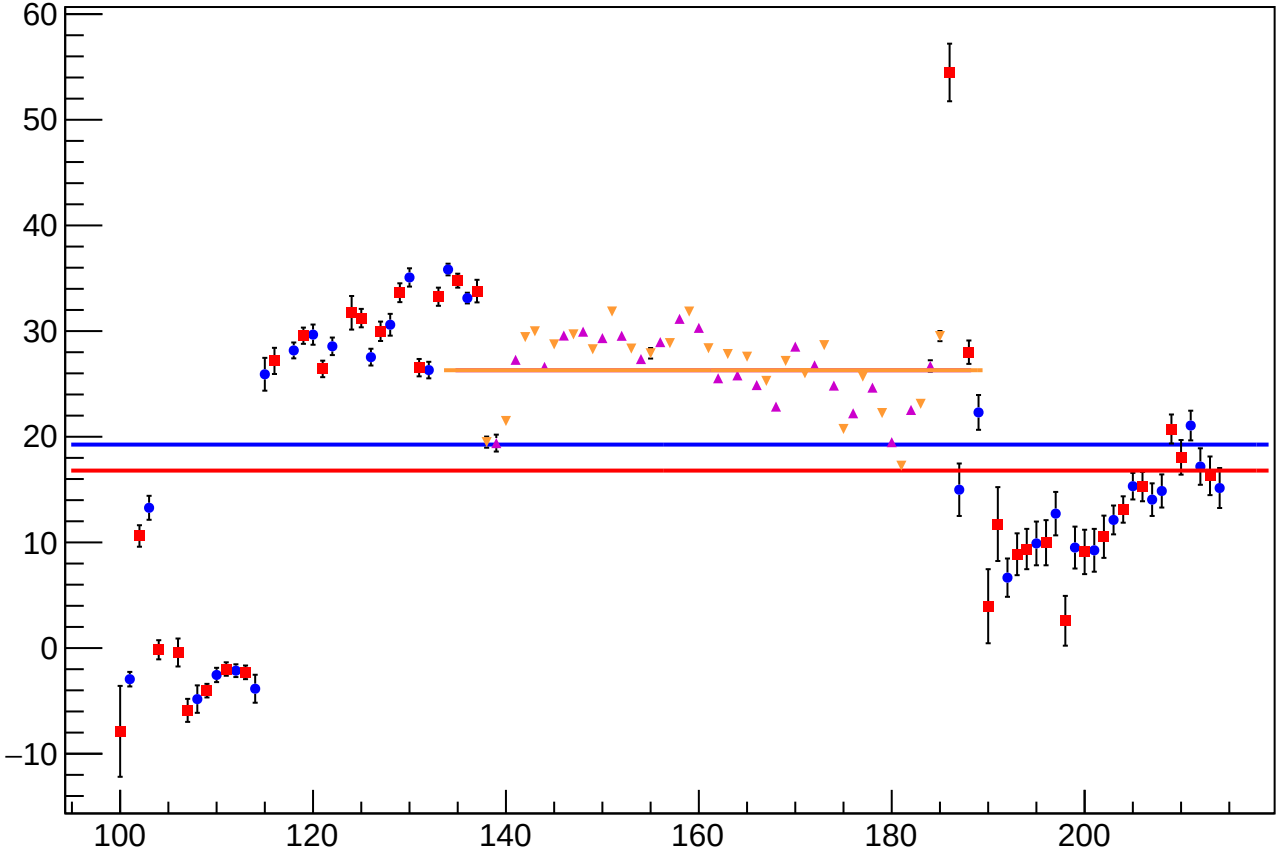
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.660+/-0.067 χ^2/NDF: 31296.7/54

All: -25.810+/-0.048 χ^2/NDF: 63003.1/111

\- sign -25.964+/-0.068 χ^2/NDF: 31696.2/56

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.258+/-0.179 χ^2/NDF: 6902.9/29

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.798+/-0.183 χ^2/NDF: 7167.9/33

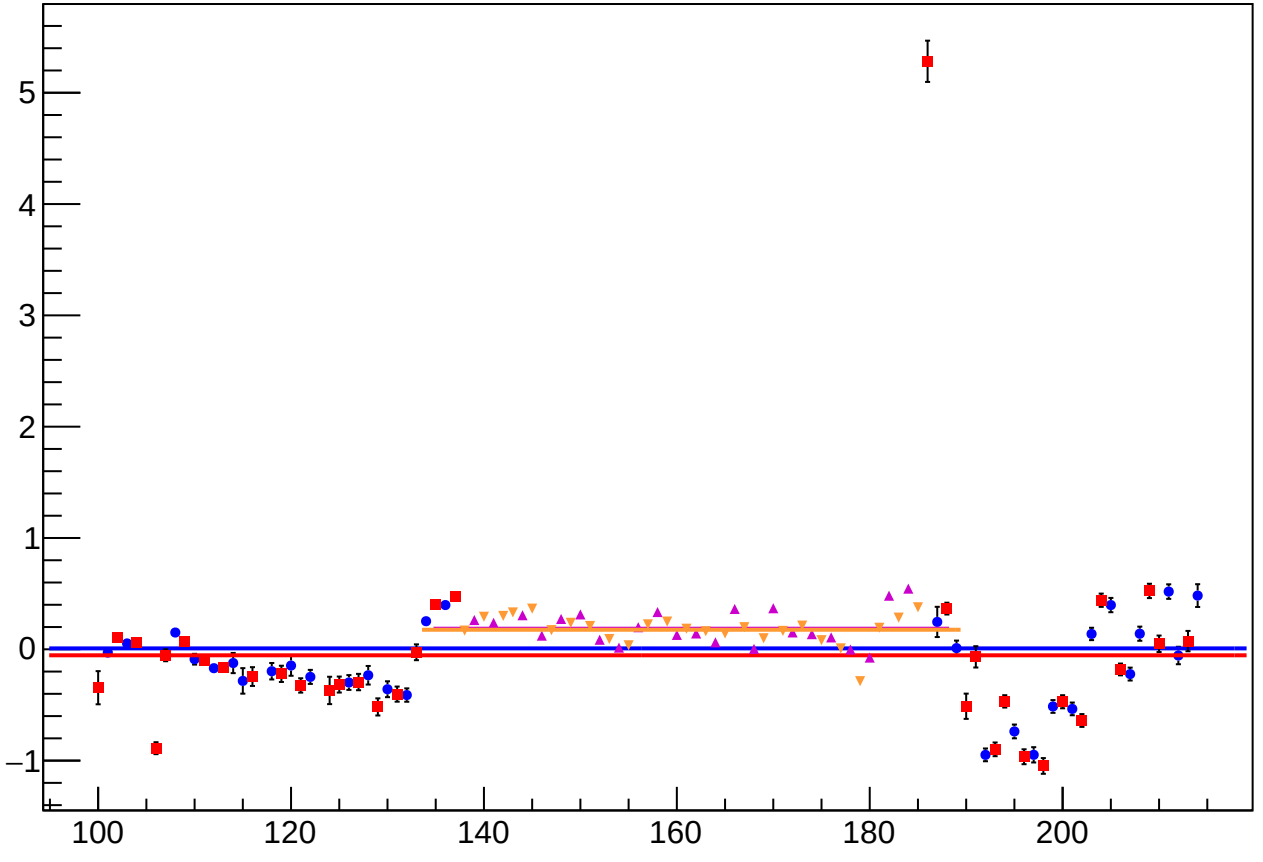
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.472+/-0.061 χ^2/NDF: 11579.4/54

All: 25.328+/-0.044 χ^2/NDF: 23327.5/111

- sign 25.178+/-0.063 χ^2/NDF: 11736.8/56

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.008+/-0.009 χ^2/NDF: 1562.1/29

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.054+/-0.009 χ^2/NDF: 2716.6/33

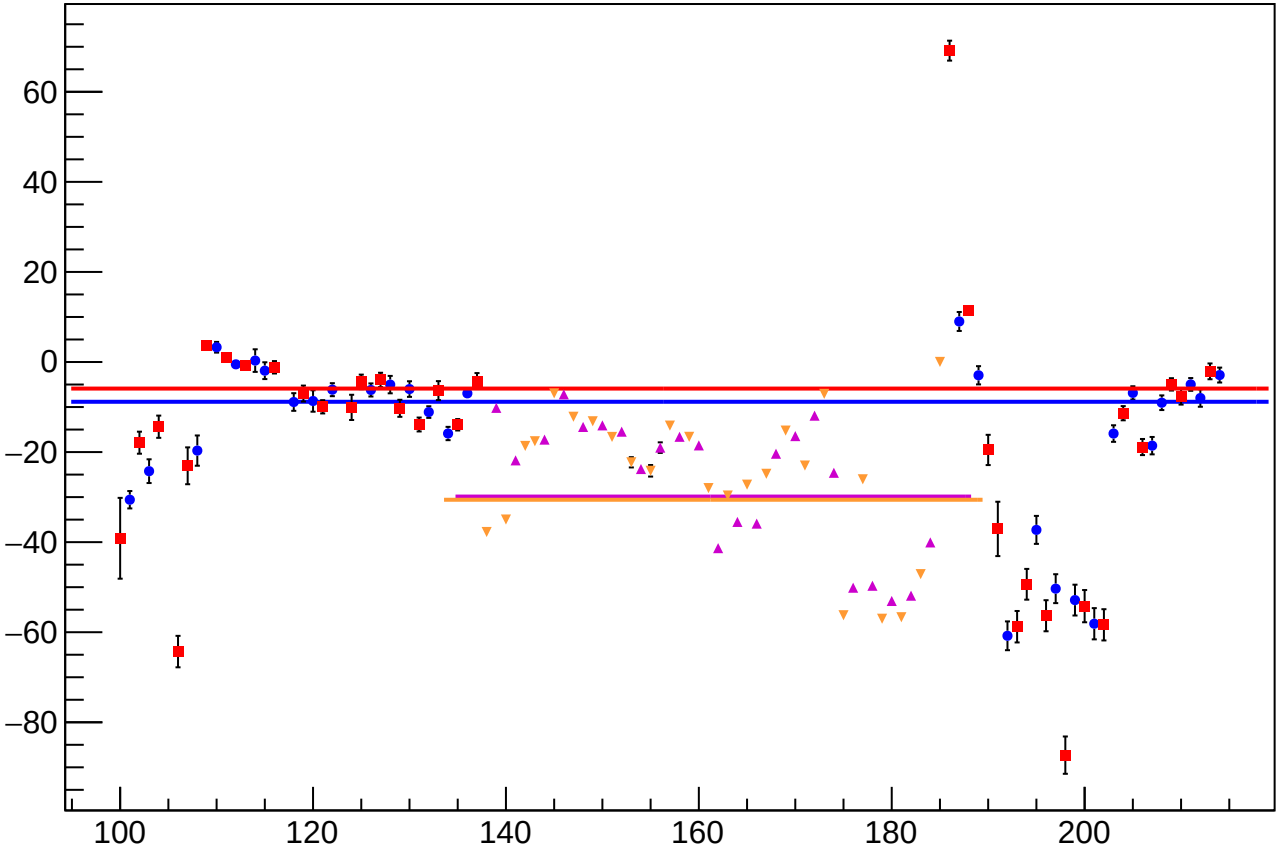
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3814.2/54

All: 0.161+/-0.002 χ^2/NDF: 9670.0/111

- sign 0.163+/-0.003 χ^2/NDF: 5855.1/56

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.830+/-0.308 χ^2/NDF: 1442.9/29

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.898+/-0.304 χ^2/NDF: 3512.2/33

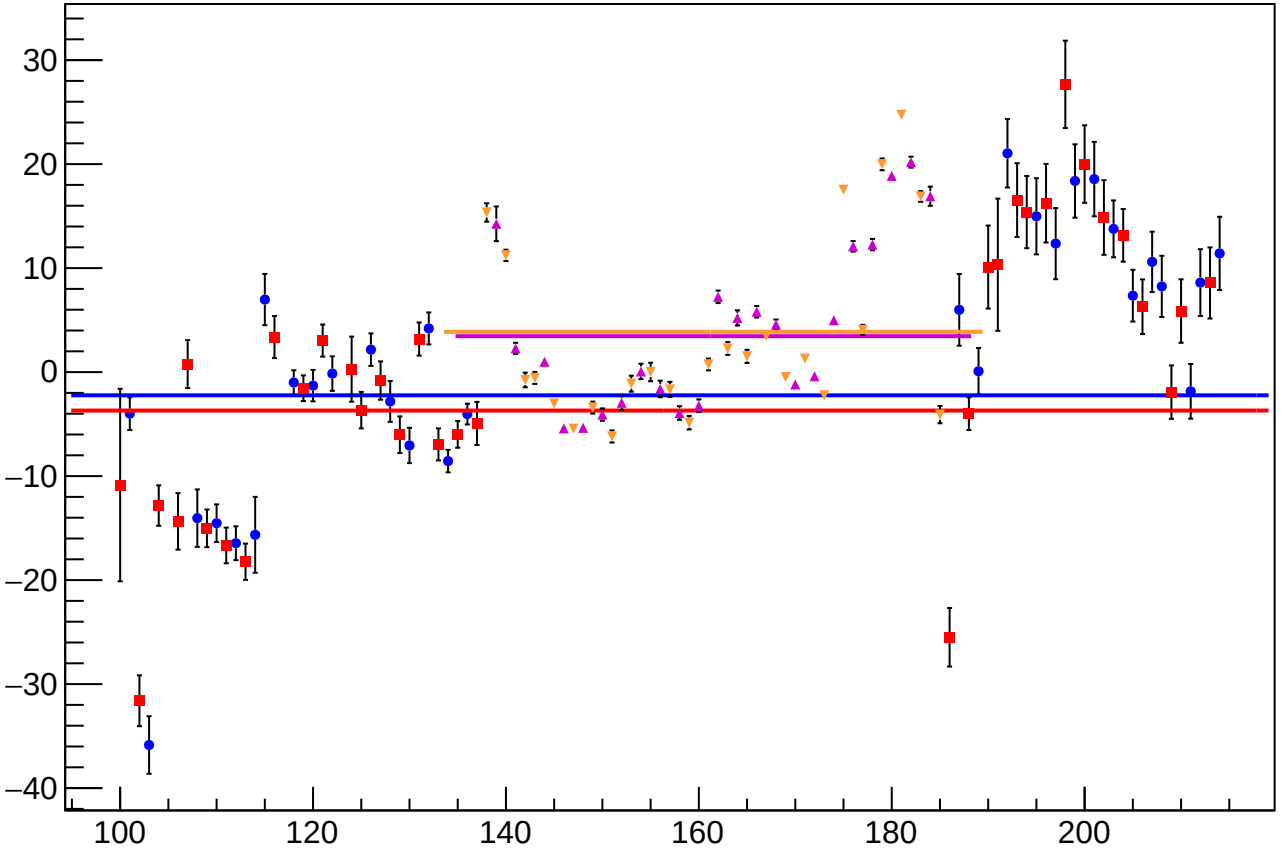
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

\+ sign -26.764+/-0.129 χ^2/NDF: 21606.6/54

All: -26.084+/-0.092 χ^2/NDF: 42260.4/111

\- sign -25.375+/-0.132 χ^2/NDF: 20597.1/56

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.232+/-0.355 χ^2/NDF: 663.6/29

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.696+/-0.366 χ^2/NDF: 776.6/33

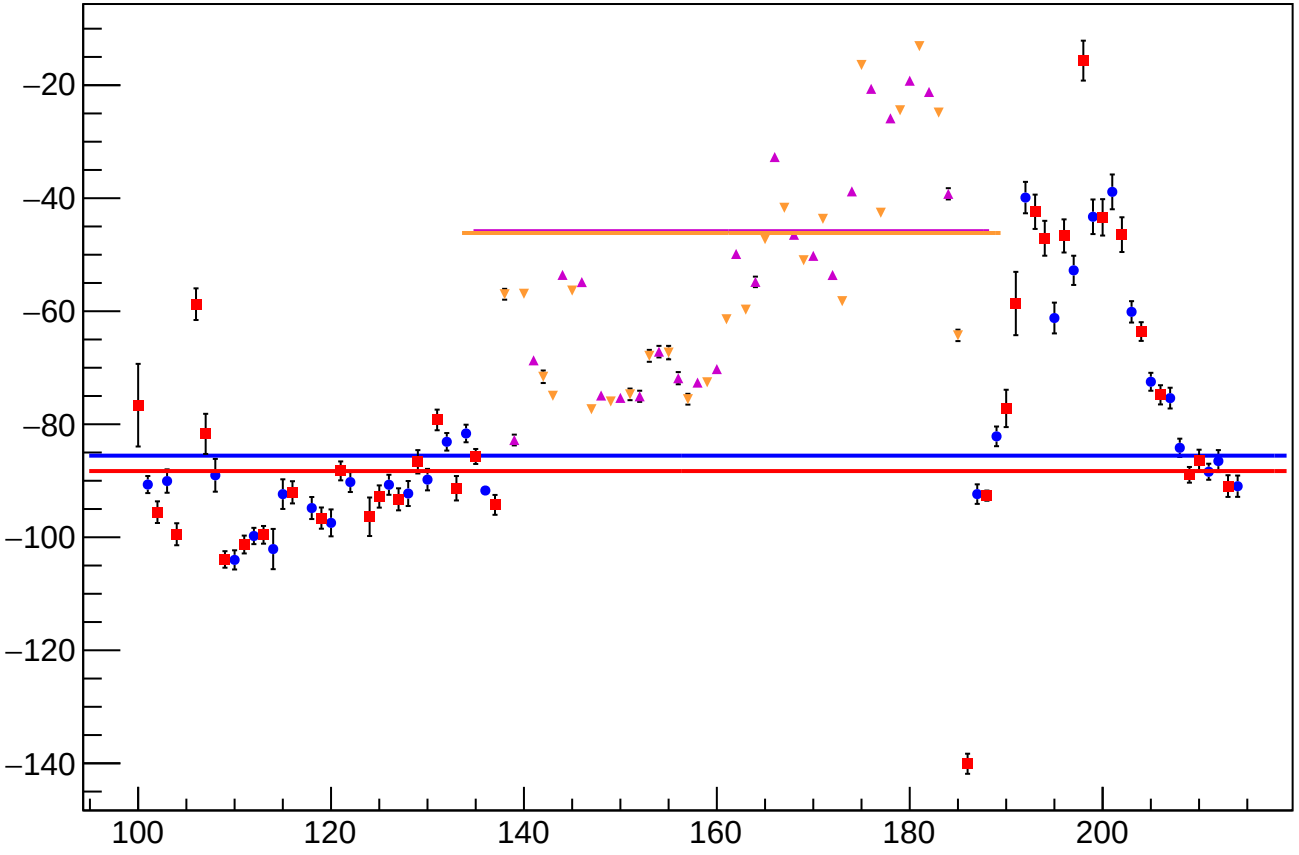
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.327+/-0.106 χ^2/NDF: 7475.3/54

All: 3.081+/-0.076 χ^2/NDF: 13304.6/111

- sign 2.824+/-0.109 χ^2/NDF: 5818.3/56

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.556+/-0.329 χ^2/NDF: 1641.0/29

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.283+/-0.328 χ^2/NDF: 3092.8/33

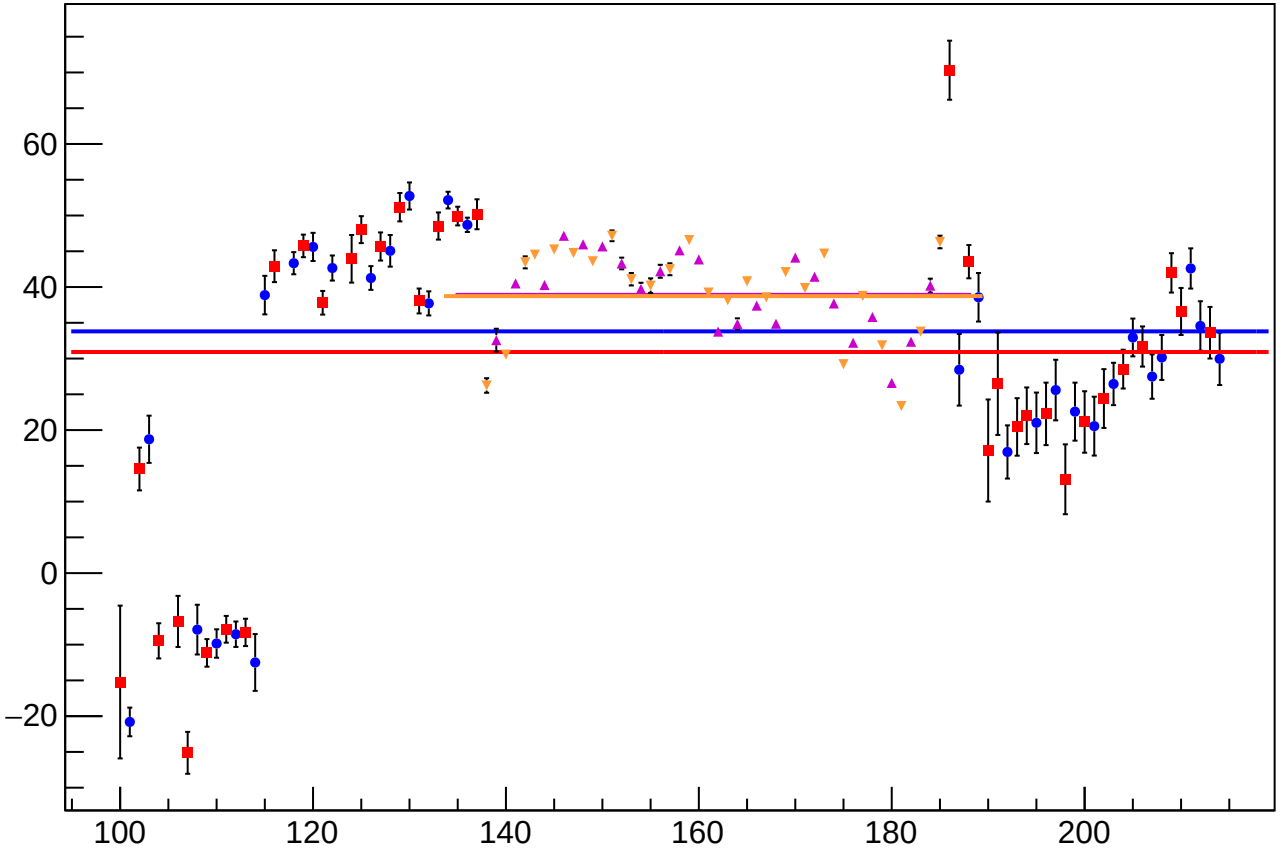
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.376+/-0.131 χ^2/NDF: 35187.0/54

All: -52.603+/-0.093 χ^2/NDF: 70162.0/111

- sign -52.840+/-0.133 χ^2/NDF: 34968.8/56

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.801+/-0.398 χ^2/NDF: 2890.8/29

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.917+/-0.417 χ^2/NDF: 3095.1/33

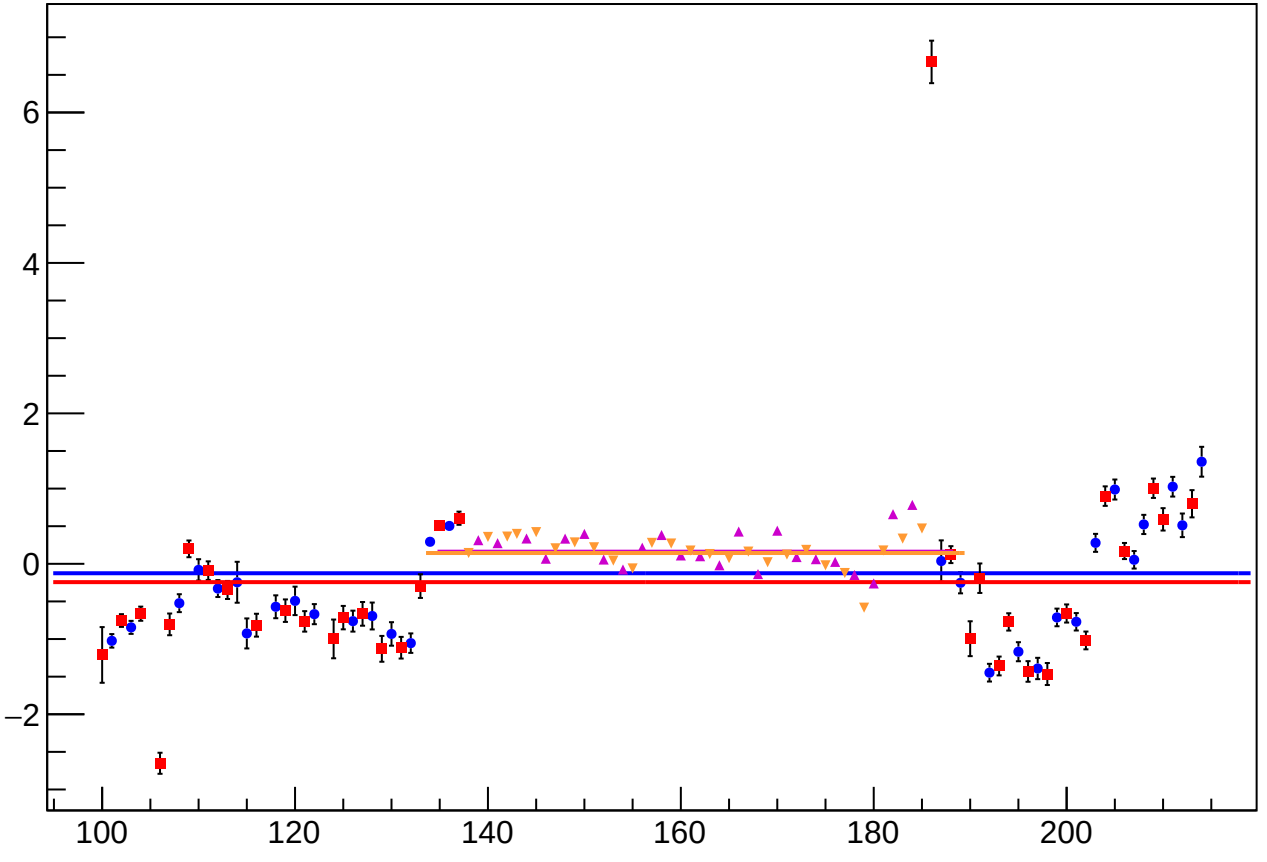
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.292+/-0.119 χ^2/NDF: 5811.9/54

All: 38.257+/-0.085 χ^2/NDF: 11215.0/111

- sign 38.221+/-0.122 χ^2/NDF: 5402.9/56

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.125+/-0.020 χ^2/NDF: 1222.3/29

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

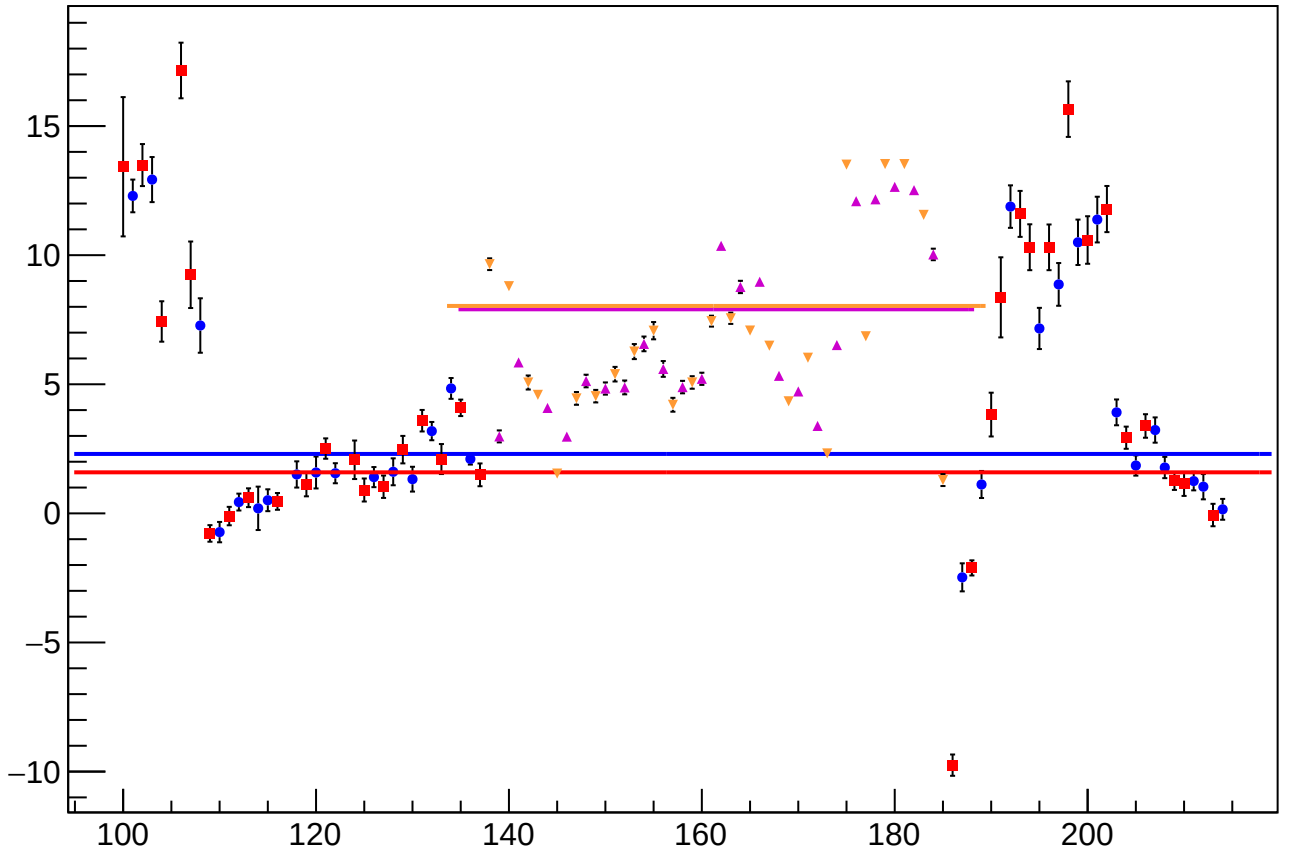
Right Out: -0.243+/-0.021 χ^2/NDF: 1995.5/33

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.124+/-0.005 χ^2/NDF: 2833.9/54

All: 0.129+/-0.004 χ^2/NDF: 7092.1/111

- sign 0.134+/-0.006 χ^2/NDF: 4256.6/56



Right In: 2.302+/-0.083 χ^2/NDF: 1171.3/29

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.590+/-0.083 χ^2/NDF: 2426.9/33

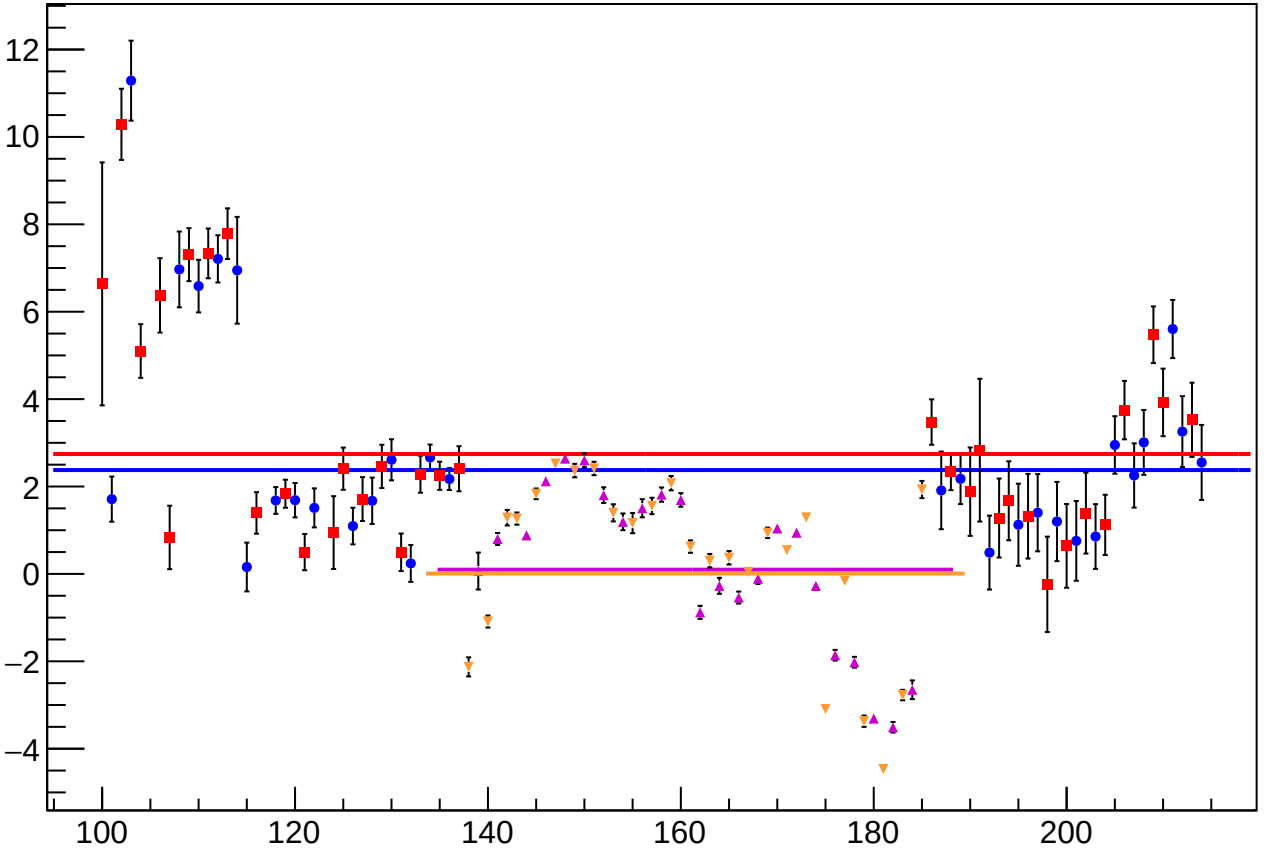
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.188+/-0.032 χ^2/NDF: 19115.0/54

All: 7.055+/-0.023 χ^2/NDF: 36464.8/111

- sign 6.914+/-0.033 χ^2/NDF: 17314.2/56

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.376+/-0.096 χ^2/NDF: 377.6/29

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.744+/-0.099 χ^2/NDF: 464.1/33

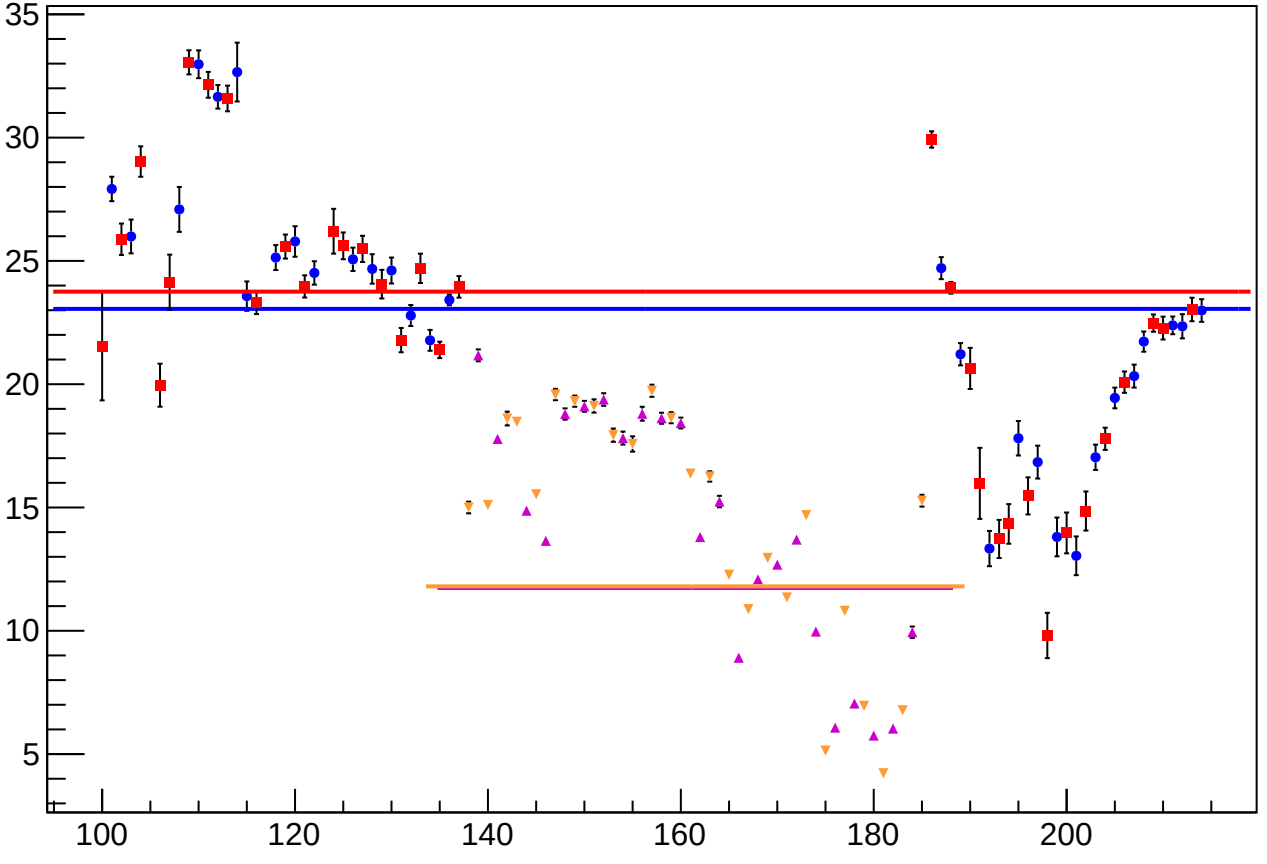
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.188+/-0.026 χ^2/NDF: 6701.6/54

All: 0.239+/-0.019 χ^2/NDF: 12266.4/111

- sign 0.293+/-0.027 χ^2/NDF: 5557.1/56

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.054+/-0.088 χ^2/NDF: 1845.3/29

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.754+/-0.088 χ^2/NDF: 2648.9/33

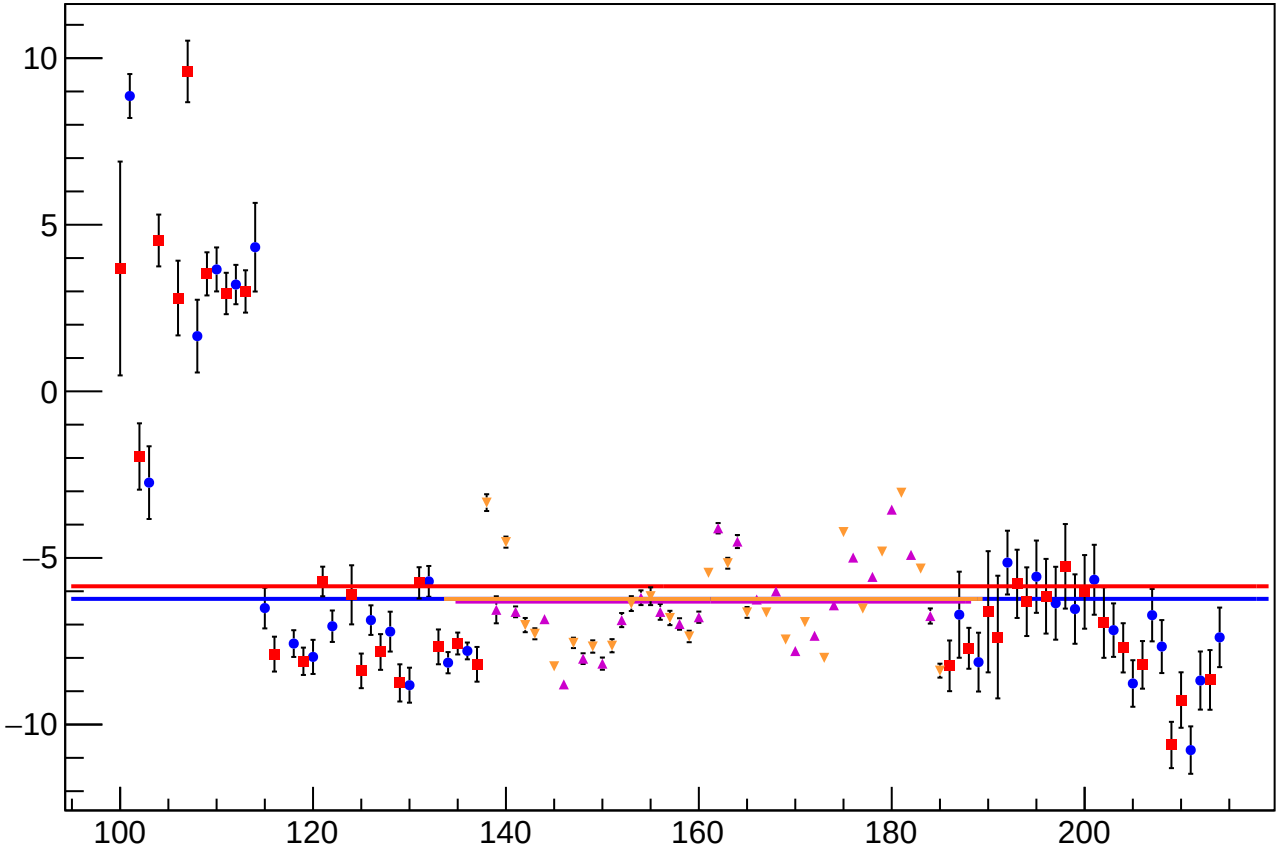
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.320+/-0.032 χ^2/NDF: 37396.8/54

All: 13.388+/-0.023 χ^2/NDF: 74210.3/111

- sign 13.459+/-0.033 χ^2/NDF: 36804.6/56

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.228+/-0.108 χ^2/NDF: 1335.2/29

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.851+/-0.113 χ^2/NDF: 1427.7/33

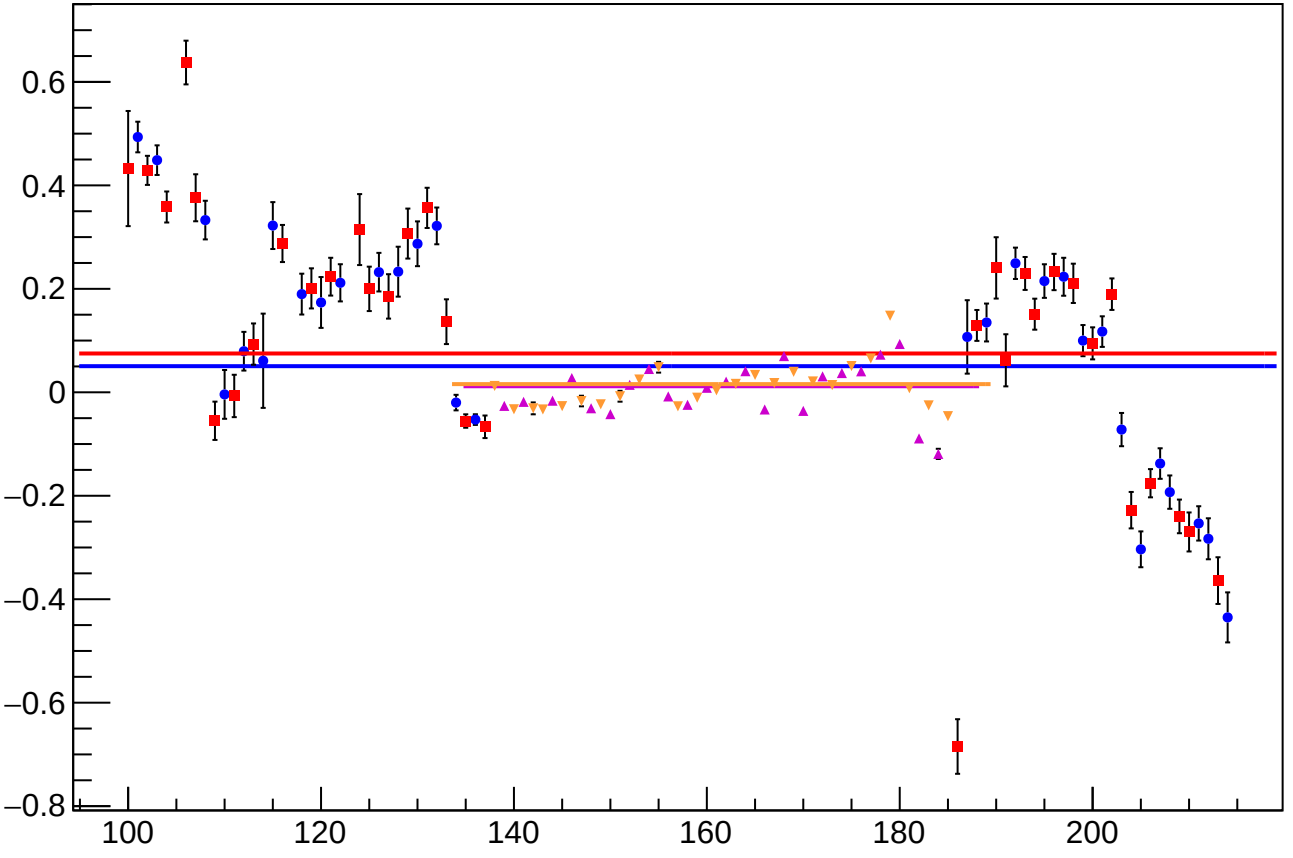
Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.230+/-0.030 χ^2/NDF: 3785.3/54

All: -6.254+/-0.021 χ^2/NDF: 7259.7/111

- sign -6.278+/-0.030 χ^2/NDF: 3473.2/56

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.051+/-0.005 χ^2/NDF: 1376.8/29

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

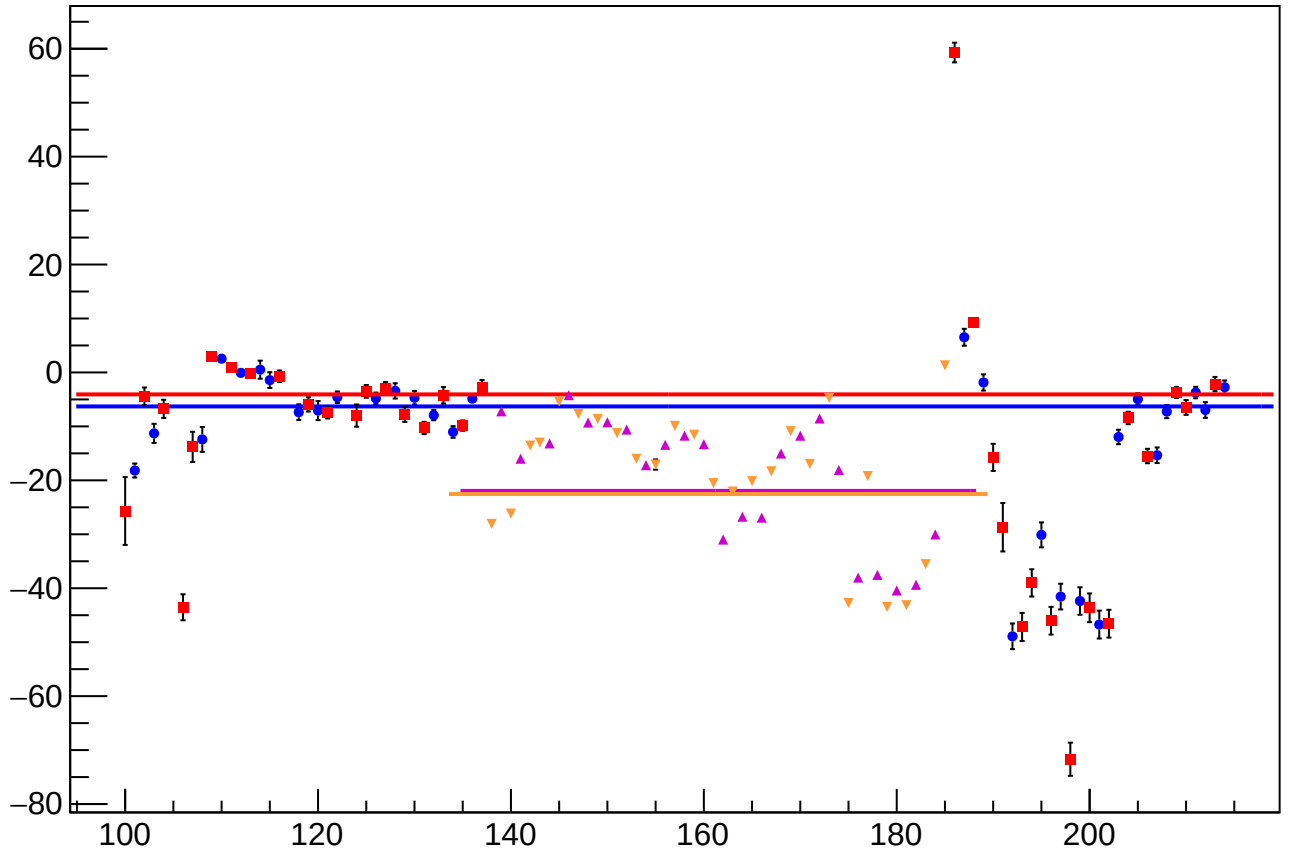
Right Out: 0.075+/-0.006 χ^2/NDF: 1532.7/33

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.018+/-0.001 χ^2/NDF: 2349.6/54

All: 0.017+/-0.001 χ^2/NDF: 5298.1/111

- sign 0.015+/-0.001 χ^2/NDF: 2946.6/56



Right In: -6.299+/-0.223 χ^2/NDF: 1617.7/29

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.070+/-0.219 χ^2/NDF: 3912.7/33

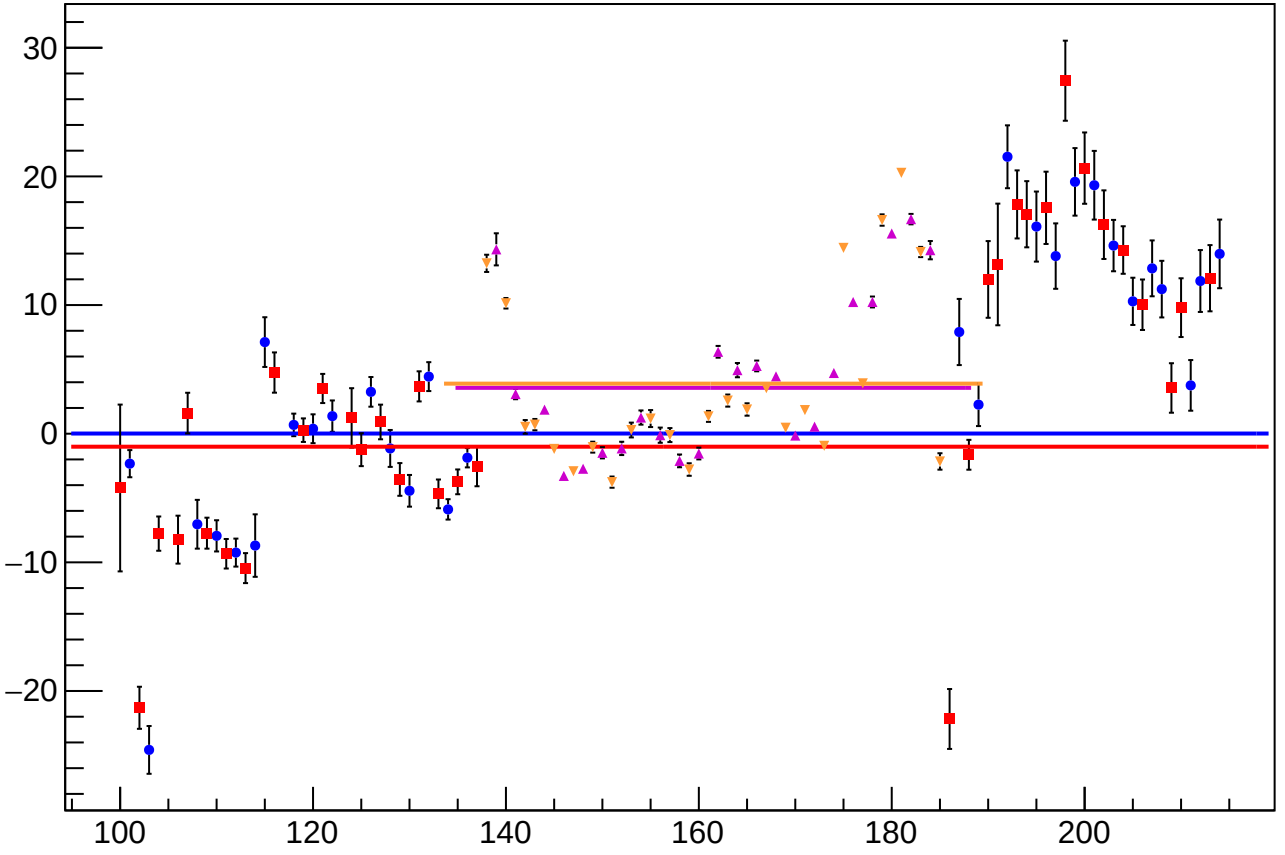
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.446+/-0.097 χ^2/NDF: 22454.6/54

All: -18.876+/-0.069 χ^2/NDF: 44339.2/111

- sign -18.284+/-0.099 χ^2/NDF: 21814.5/56

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.013+/-0.258 χ^2/NDF: 898.5/29

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

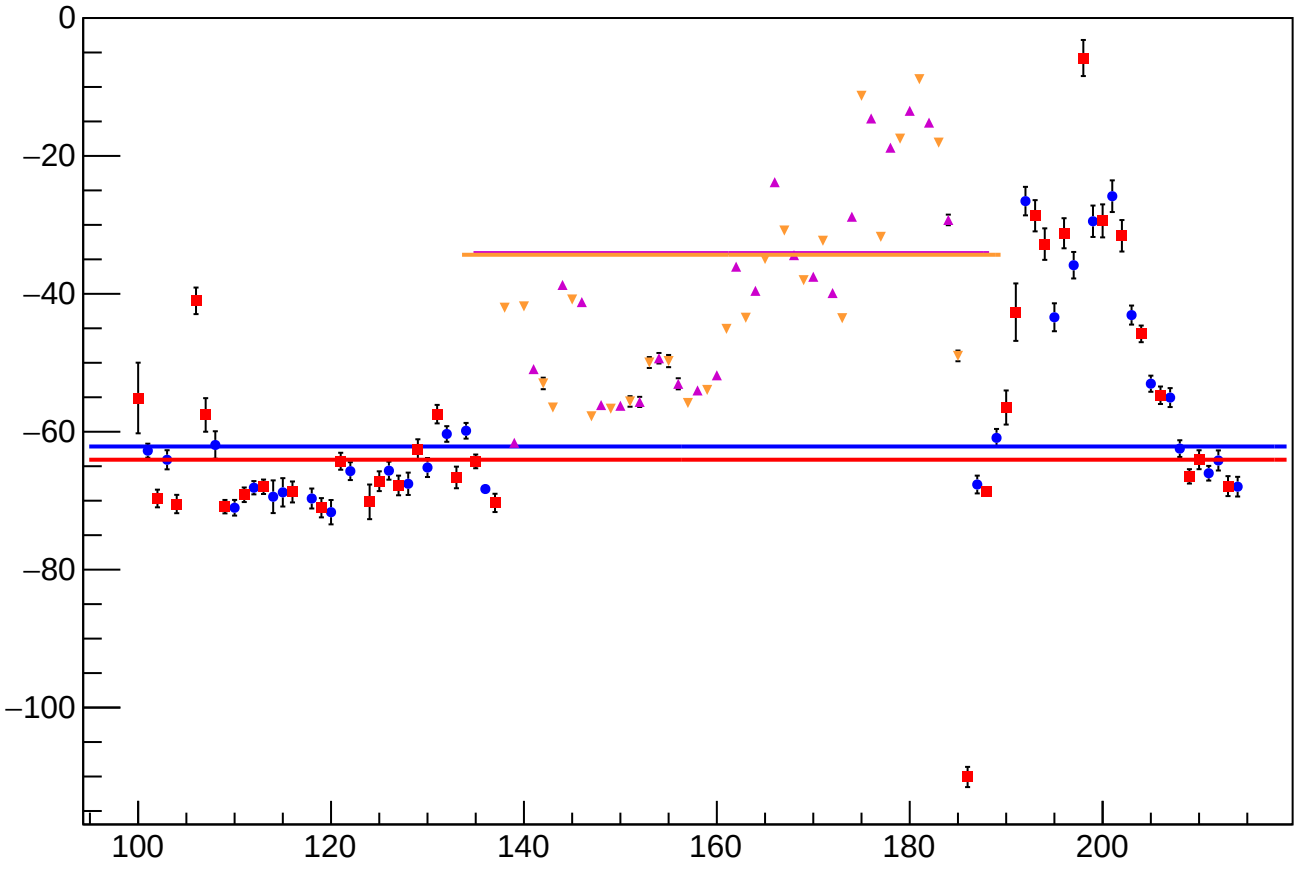
Right Out: -1.011+/-0.265 χ^2/NDF: 1016.5/33

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.517+/-0.080 χ^2/NDF: 7827.0/54

All: 3.327+/-0.057 χ^2/NDF: 13864.3/111

- sign 3.127+/-0.082 χ^2/NDF: 6025.8/56



Right In: -62.139+/-0.239 χ^2/NDF: 1658.7/29

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.057+/-0.239 χ^2/NDF: 3314.1/33

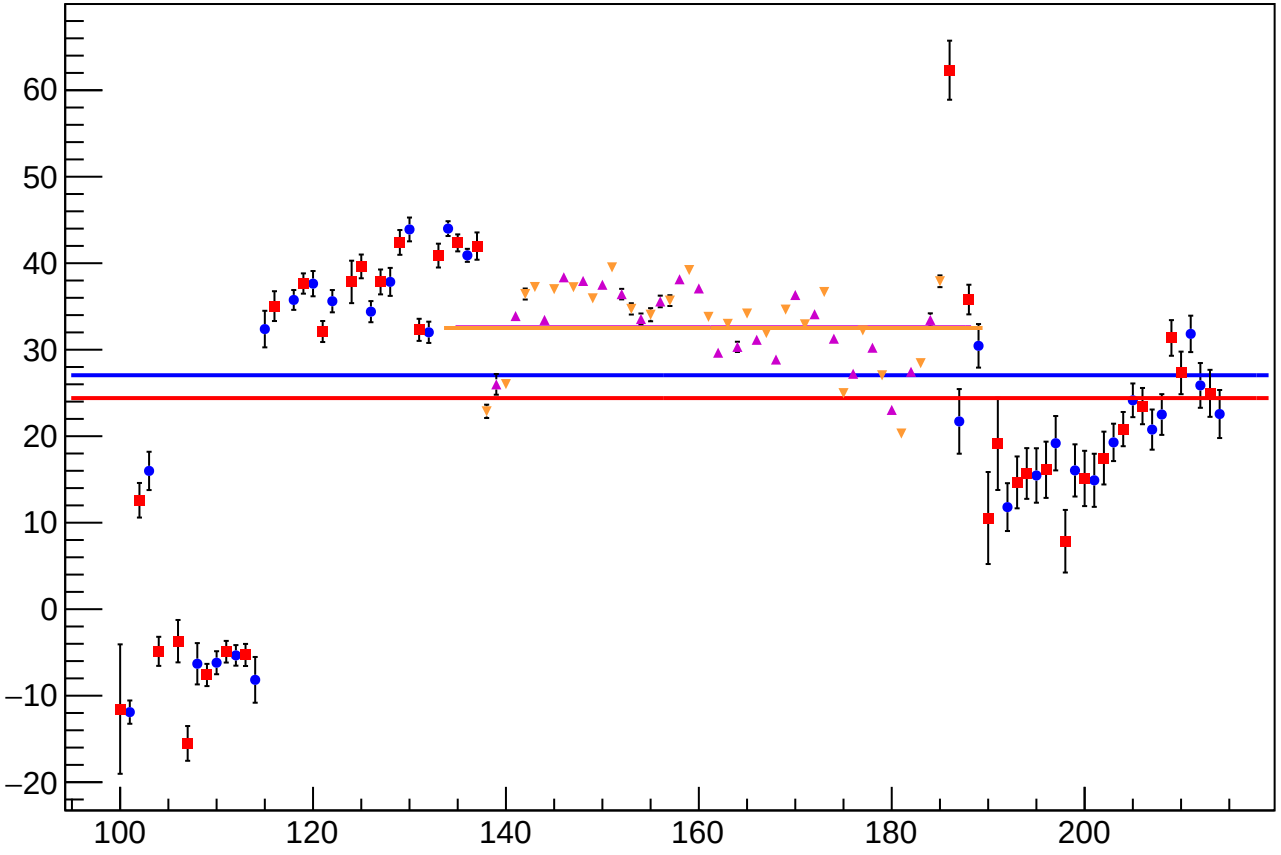
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

\+ sign -39.054+/-0.099 χ^2/NDF: 34054.7/54

All: -39.231+/-0.070 χ^2/NDF: 68062.5/111

\- sign -39.415+/-0.101 χ^2/NDF: 34001.2/56

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.048+/-0.290 χ^2/NDF: 3855.9/29

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.406+/-0.302 χ^2/NDF: 4093.9/33

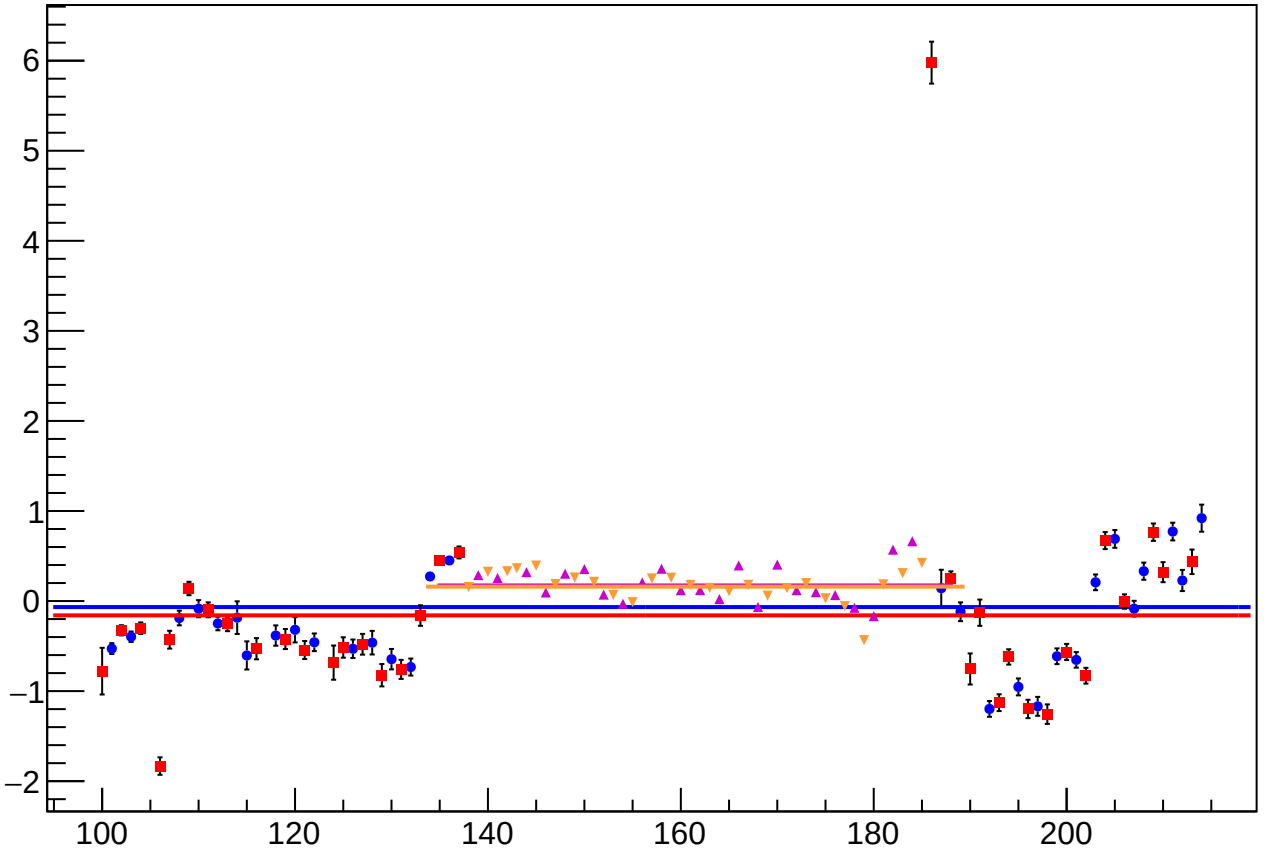
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 31.986+/-0.090 χ^2/NDF: 7114.7/54

All: 31.912+/-0.064 χ^2/NDF: 13892.2/111

- sign 31.833+/-0.092 χ^2/NDF: 6776.1/56

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.067+/-0.015 χ^2/NDF: 1258.5/29

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.159+/-0.015 χ^2/NDF: 2182.6/33

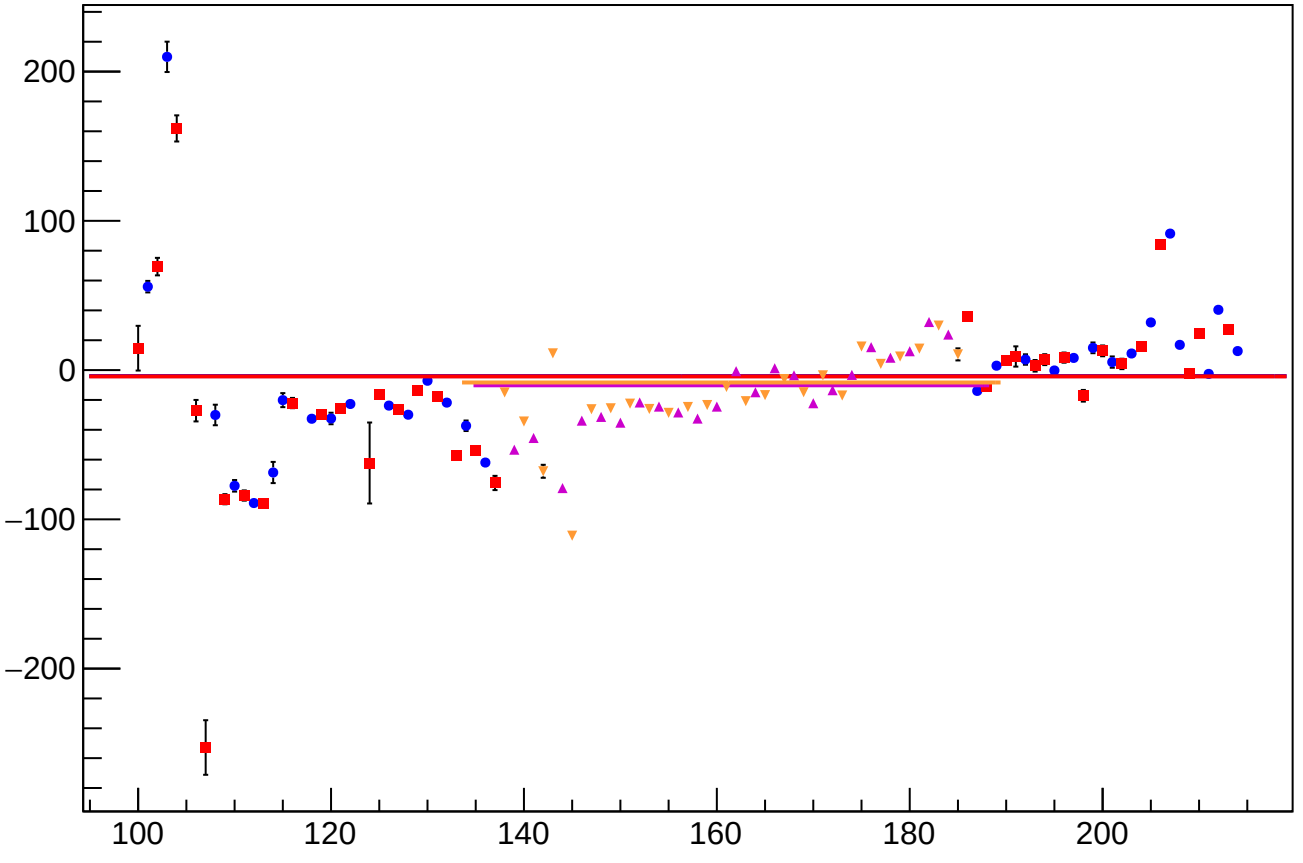
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.142+/-0.004 χ^2/NDF: 3095.8/54

All: 0.145+/-0.003 χ^2/NDF: 7845.3/111

- sign 0.149+/-0.004 χ^2/NDF: 4748.2/56

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -4.015+/-0.531 χ^2/NDF: 4926.7/29

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -4.229+/-0.500 χ^2/NDF: 5852.9/33

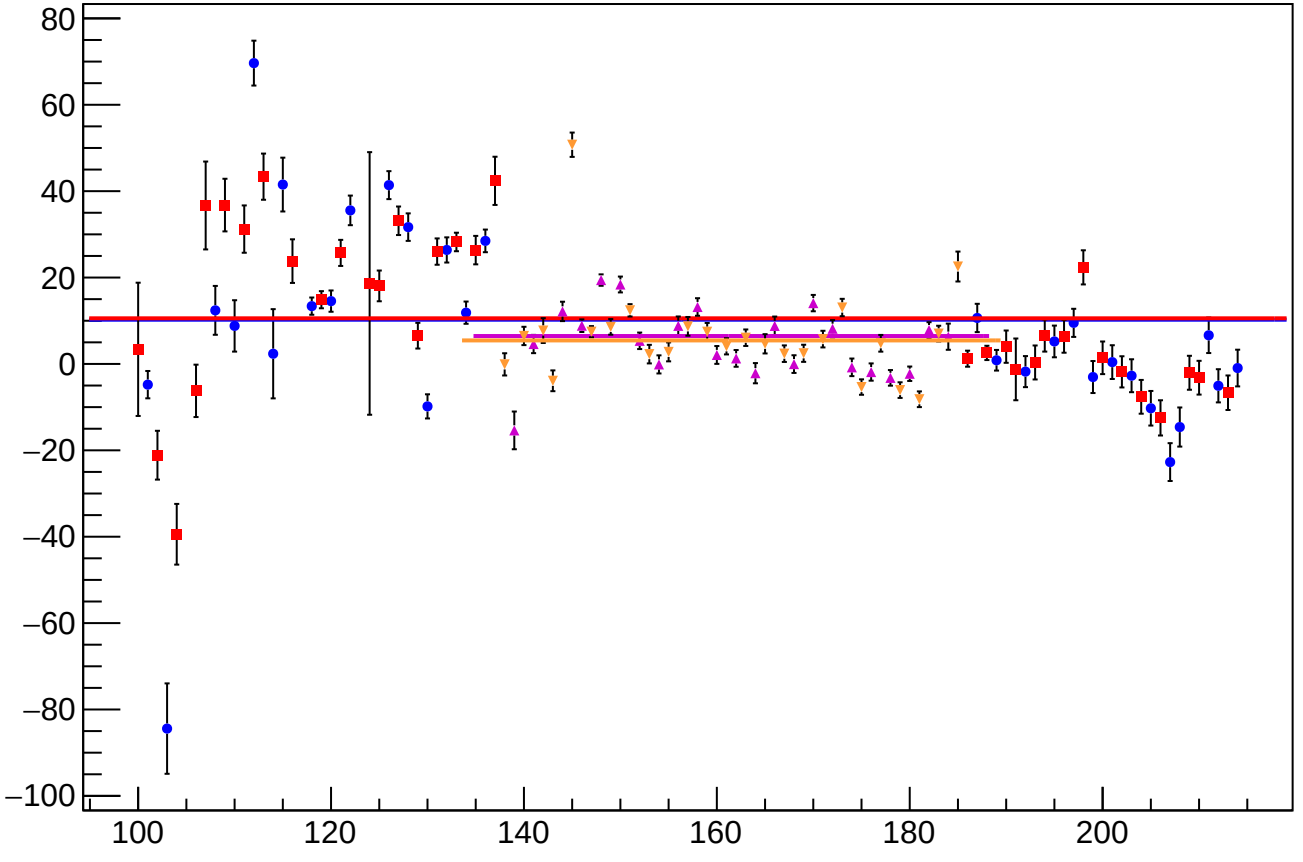
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -6.227+/-0.369 χ^2/NDF: 7519.9/54

All: -6.647+/-0.259 χ^2/NDF: 15961.1/111

- sign -7.052+/-0.362 χ^2/NDF: 8438.6/56

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 10.243+/-0.627 χ^2/NDF: 785.9/29

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 10.561+/-0.597 χ^2/NDF: 591.1/33

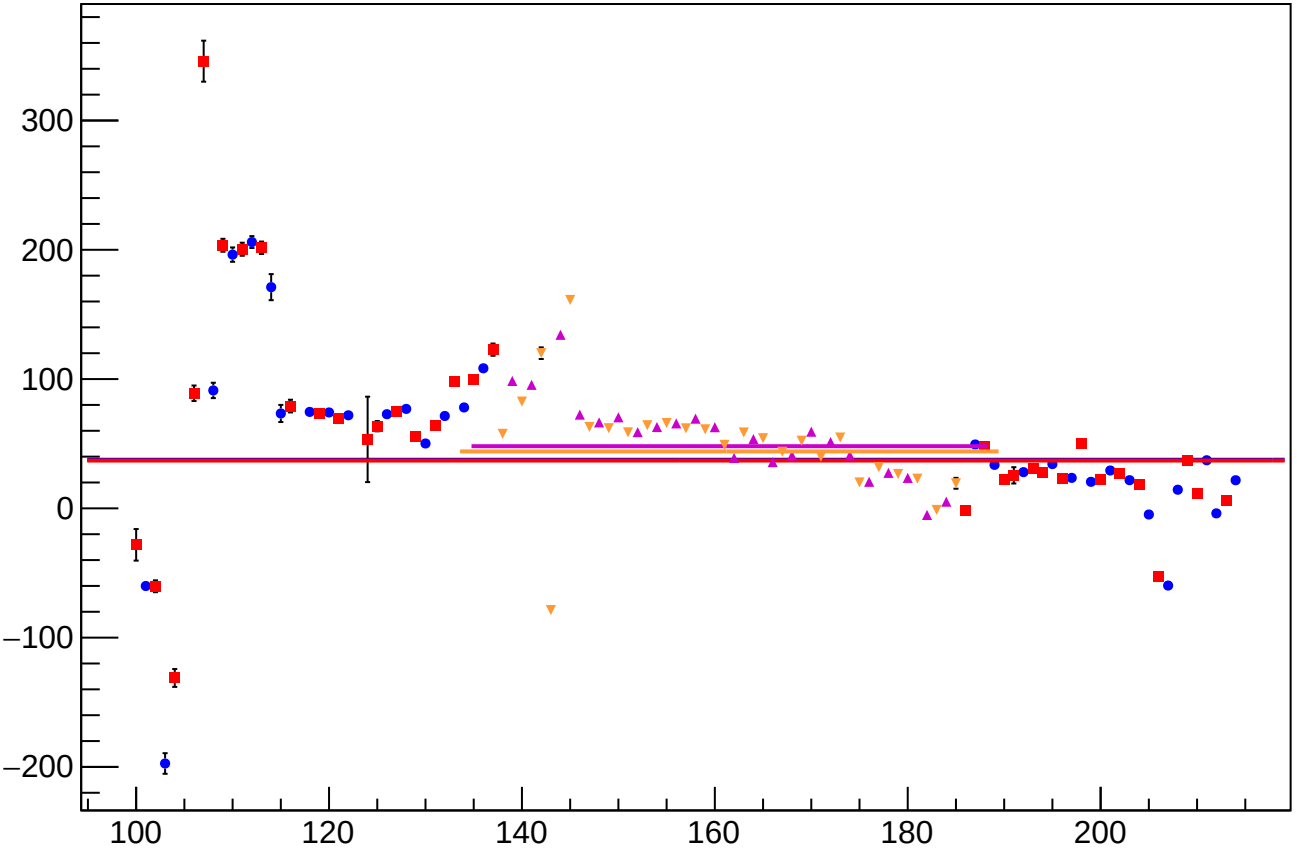
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.803+/-0.334 χ^2/NDF: 1321.6/54

All: 7.281+/-0.237 χ^2/NDF: 2284.9/111

- sign 7.767+/-0.337 χ^2/NDF: 959.2/56

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 37.602+/-0.528 χ^2/NDF: 8269.4/29

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 36.983+/-0.475 χ^2/NDF: 9324.9/33

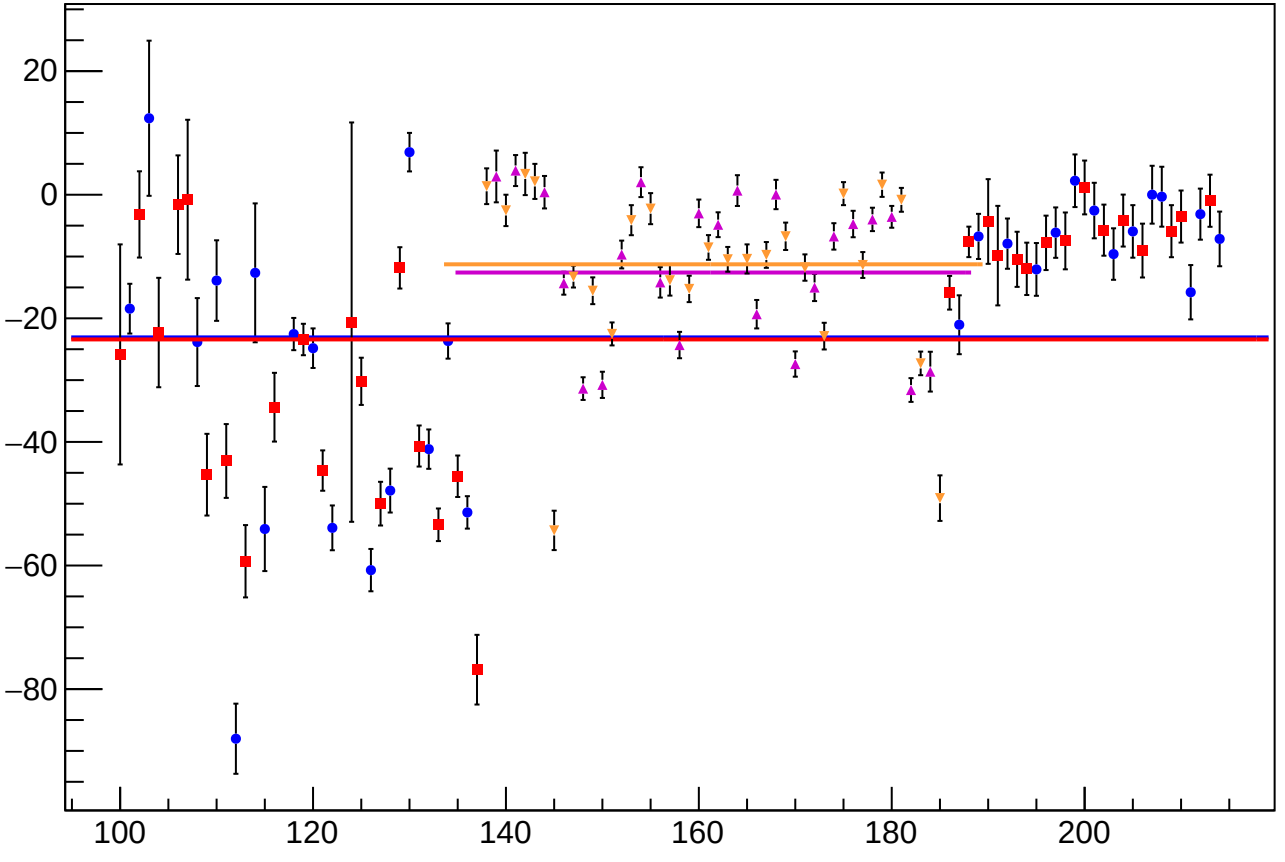
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 40.933+/-0.367 χ^2/NDF: 12910.2/54

All: 41.498+/-0.254 χ^2/NDF: 25863.6/111

- sign 42.015+/-0.351 χ^2/NDF: 12948.9/56

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -23.087+/-0.728 χ^2/NDF: 873.8/29

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -23.413+/-0.717 χ^2/NDF: 735.3/33

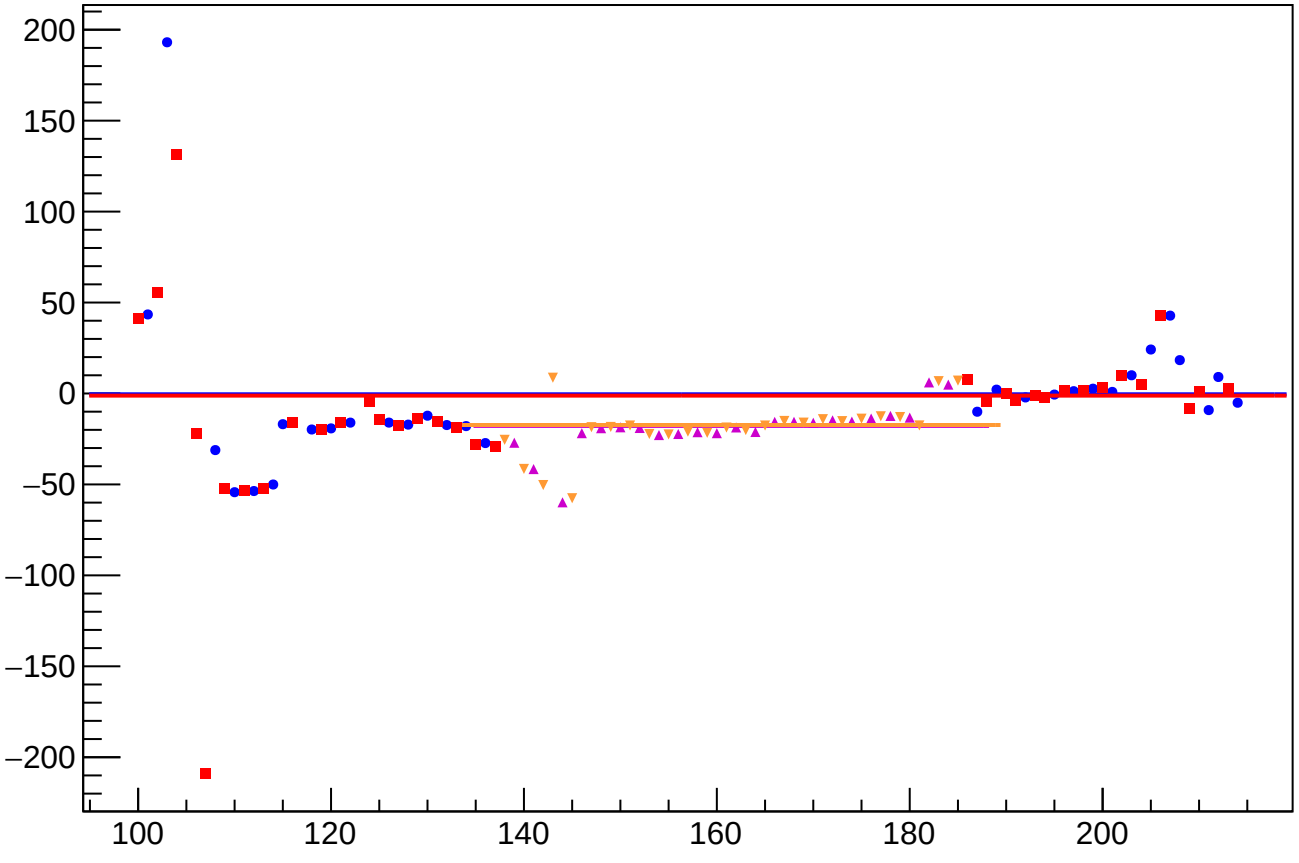
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

\+ sign -14.477+/-0.380 χ^2/NDF: 1709.3/54

All: -15.093+/-0.271 χ^2/NDF: 3283.3/111

\- sign -15.731+/-0.387 χ^2/NDF: 1568.6/56

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.449+/-0.034 χ^2/NDF: 648064.6/29

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.175+/-0.034 χ^2/NDF: 571673.8/33

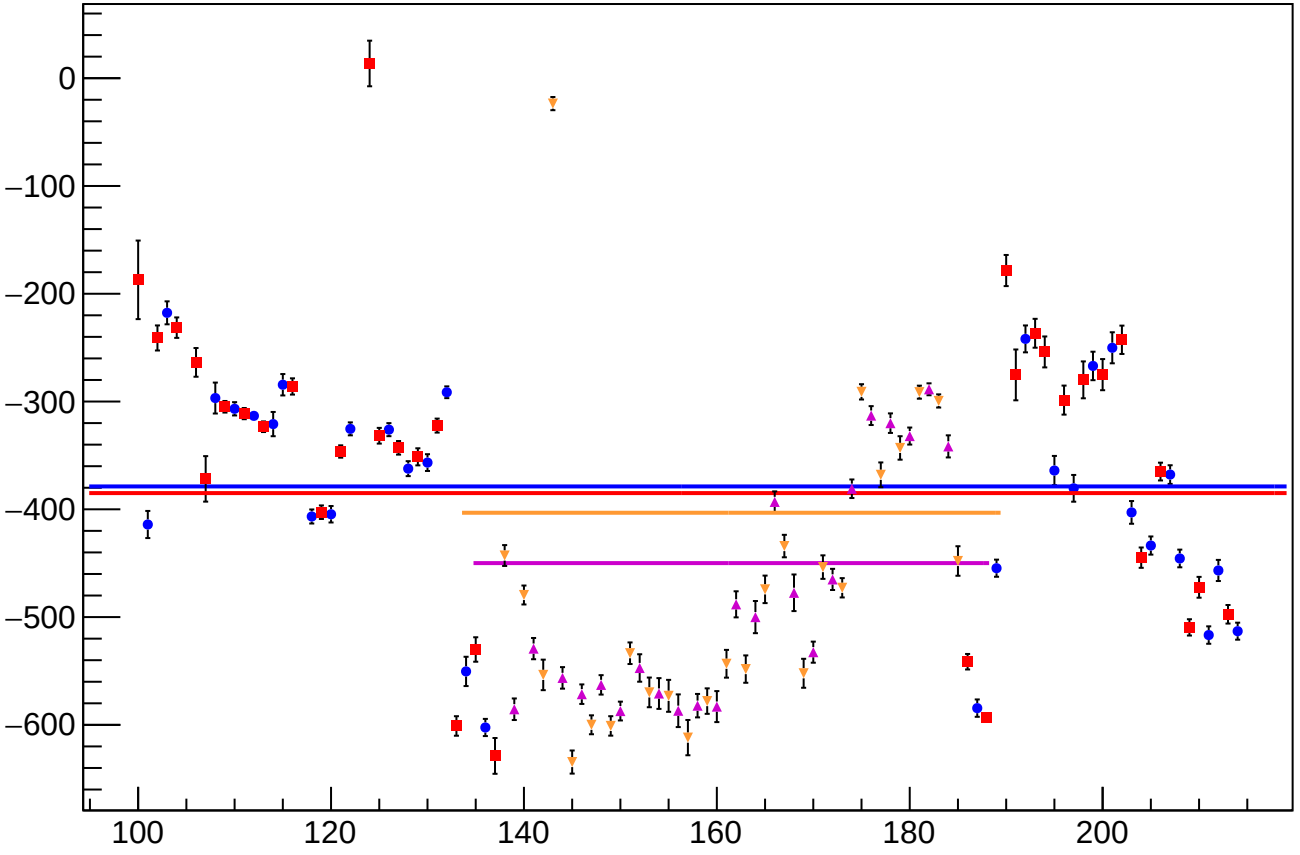
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -13.036+/-0.017 χ^2/NDF: 1177686.2/54

All: -13.206+/-0.012 χ^2/NDF: 2197058.4/111

- sign -13.378+/-0.017 χ^2/NDF: 1019177.7/56

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -378.776+/-1.485 χ^2/NDF: 3906.0/29

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -384.950+/-1.413 χ^2/NDF: 6919.6/33

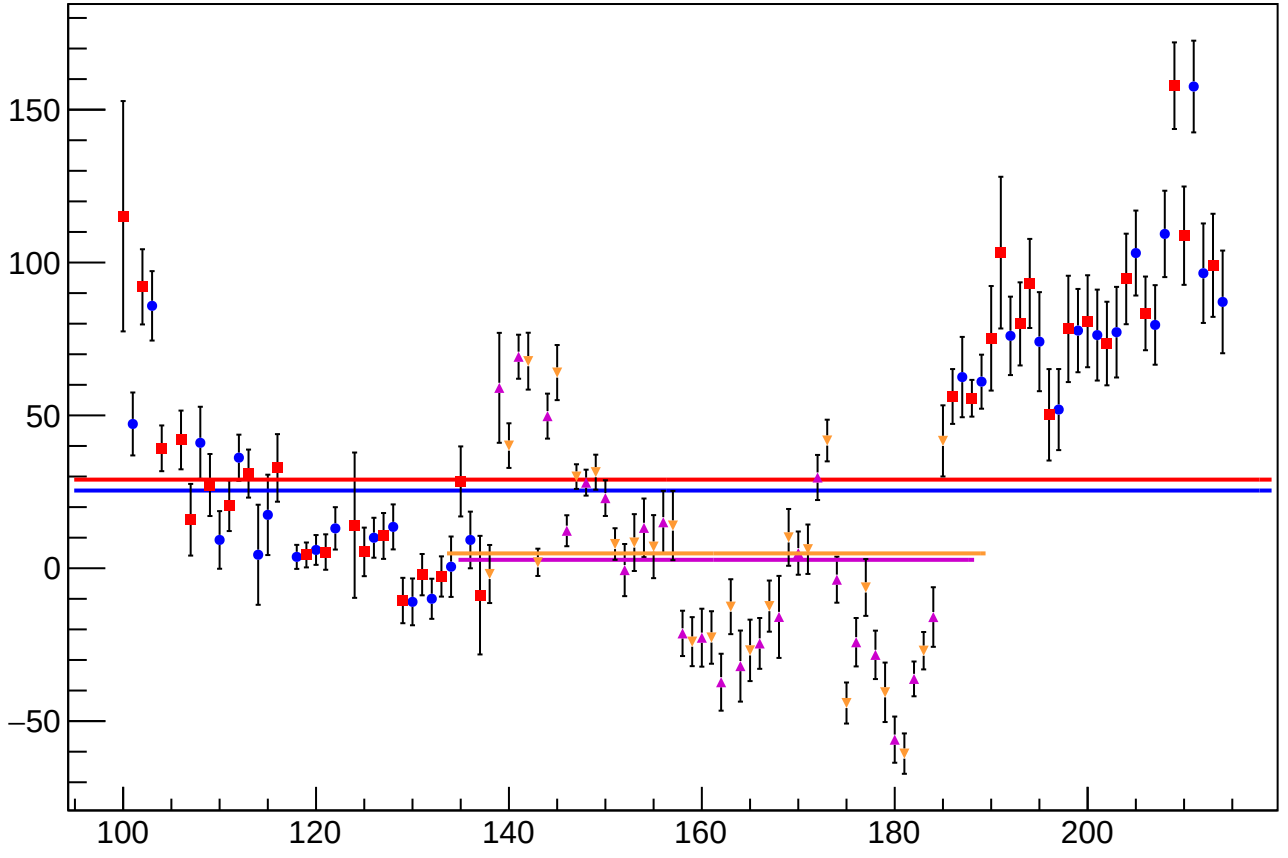
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -387.870+/-1.176 χ^2/NDF: 11757.0/54

All: -397.030+/-0.827 χ^2/NDF: 22699.1/111

- sign -405.971+/-1.162 χ^2/NDF: 10822.3/56

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 25.421+/-1.642 χ^2/NDF: 446.0/29

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 28.995+/-1.606 χ^2/NDF: 458.5/33

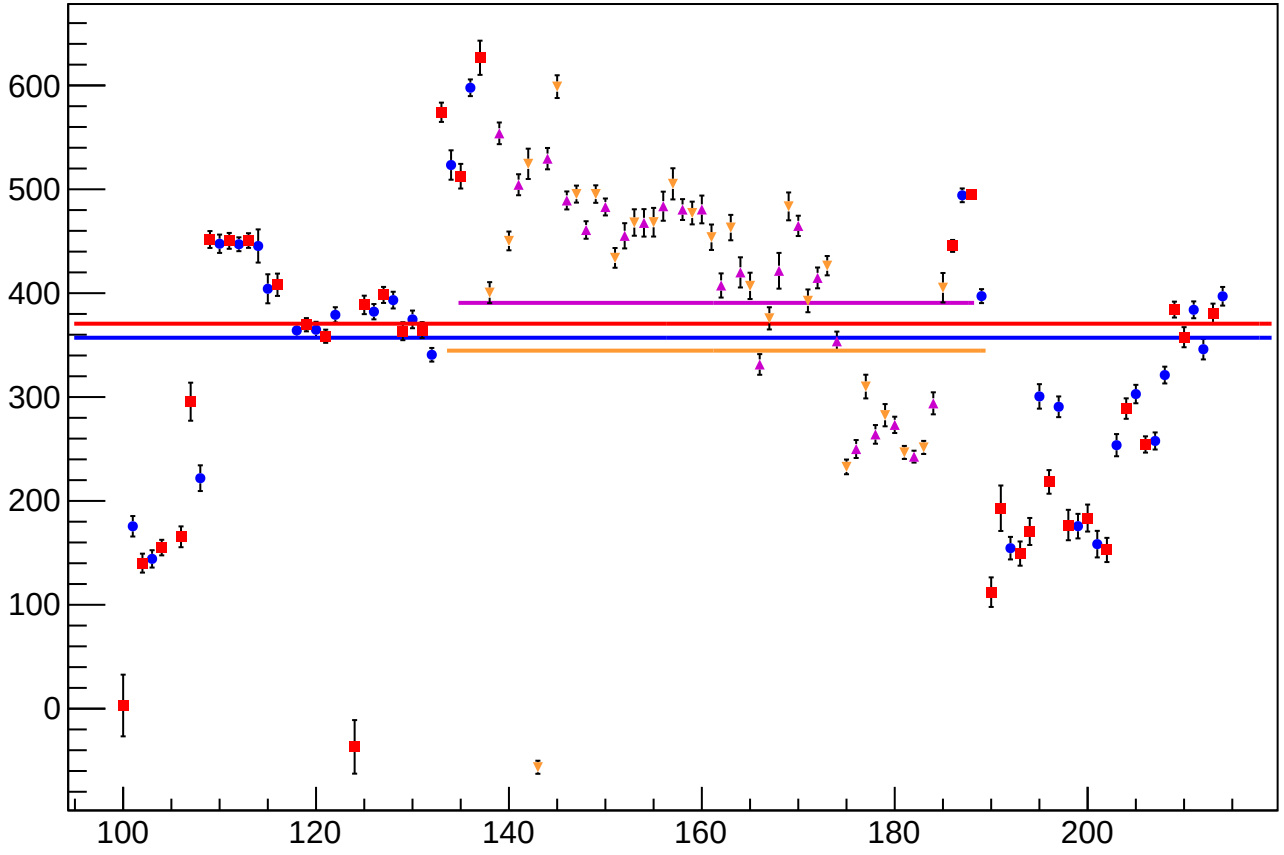
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 13.847+/-1.086 χ^2/NDF: 991.4/54

All: 14.622+/-0.778 χ^2/NDF: 1988.4/111

\- sign 15.442+/-1.117 χ^2/NDF: 996.0/56

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 357.095+/-1.582 χ^2/NDF: 4209.9/29

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.613+/-1.469 χ^2/NDF: 7214.3/33

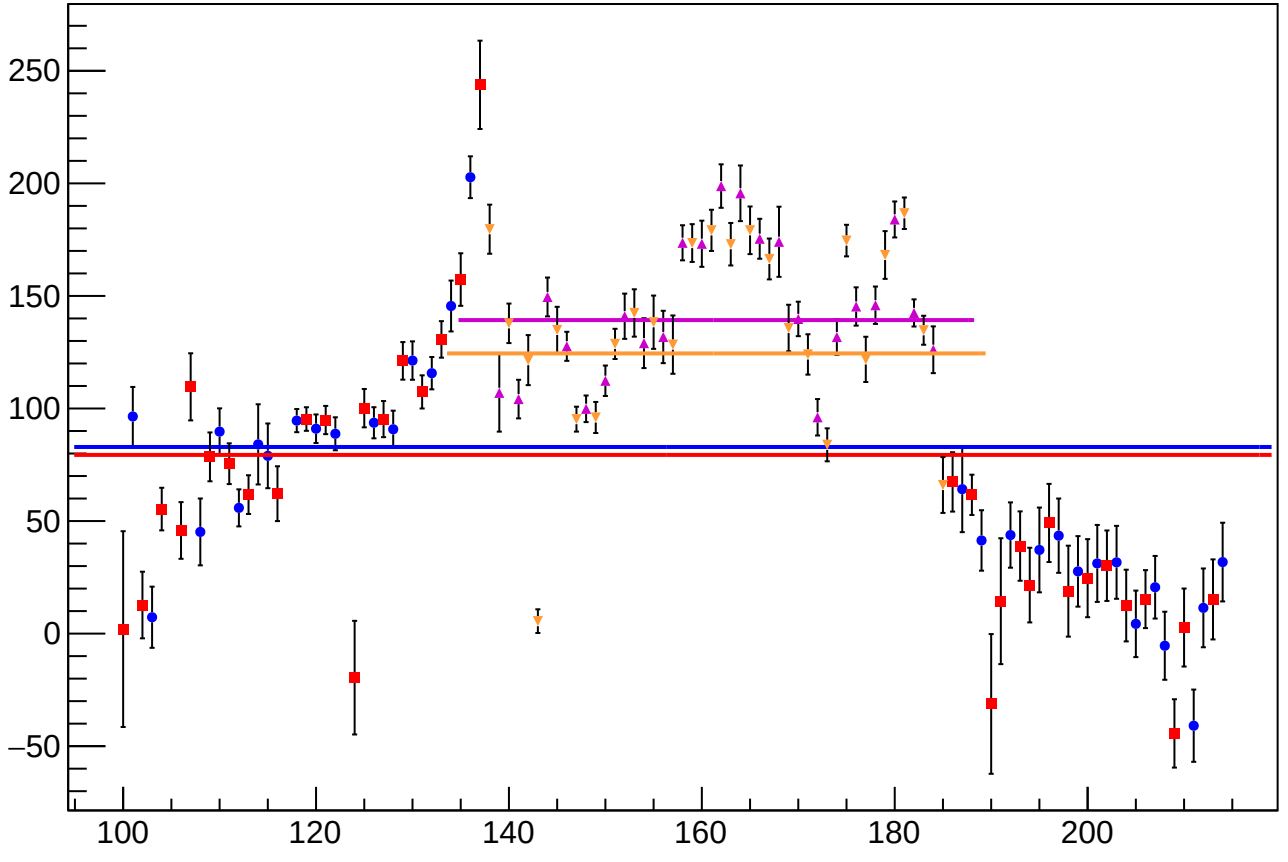
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 352.087+/-1.222 χ^2/NDF: 11512.9/54

All: 365.136+/-0.852 χ^2/NDF: 21686.3/111

- sign 377.508+/-1.190 χ^2/NDF: 9951.2/56

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 82.903+/-1.914 χ^2/NDF: 527.4/29

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 79.380+/-1.886 χ^2/NDF: 497.7/33

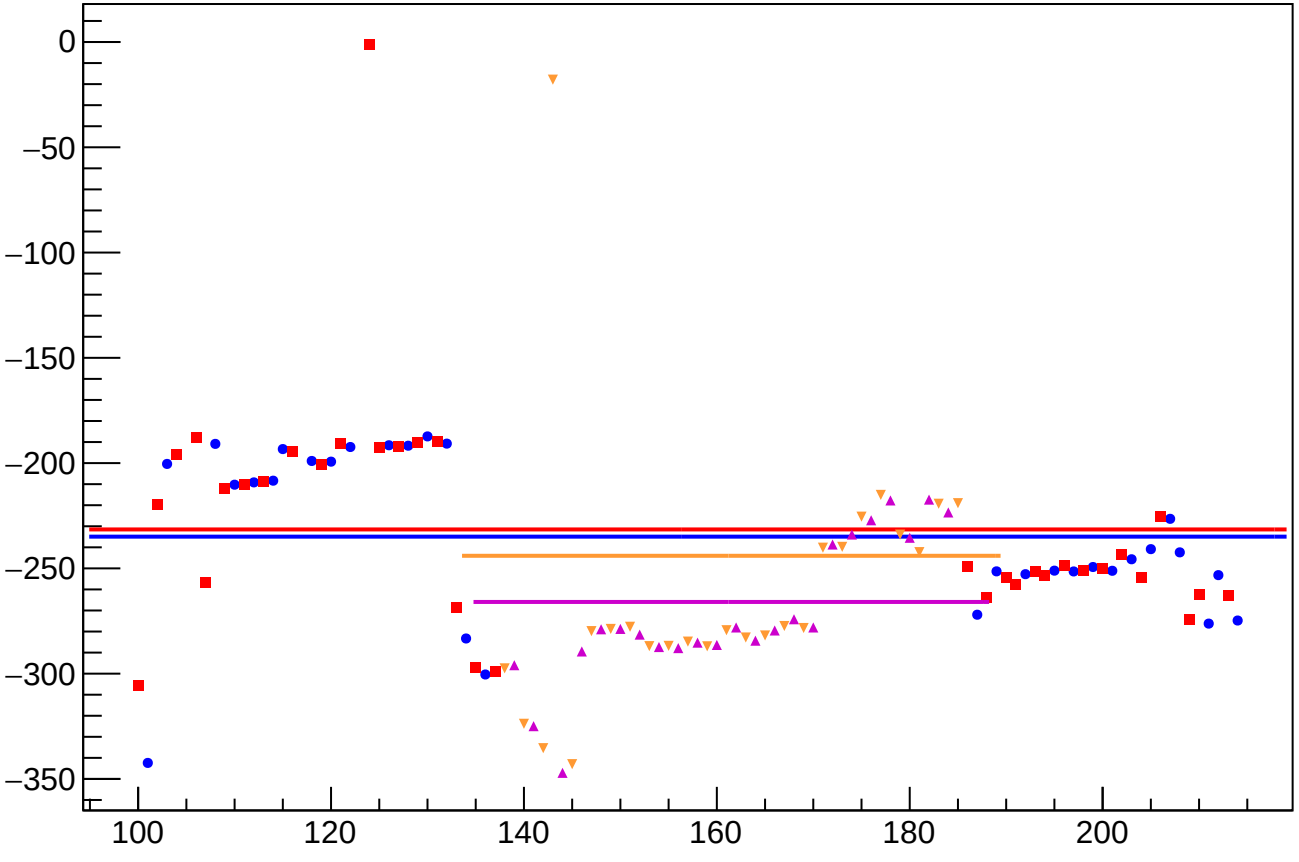
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 106.604+/-1.255 χ^2/NDF: 1733.8/54

All: 108.857+/-0.900 χ^2/NDF: 3035.4/111

- sign 111.239+/-1.290 χ^2/NDF: 1294.9/56

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -234.928+/-0.104 χ^2/NDF: 141694.9/29

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -231.503+/-0.100 χ^2/NDF: 118045.0/33

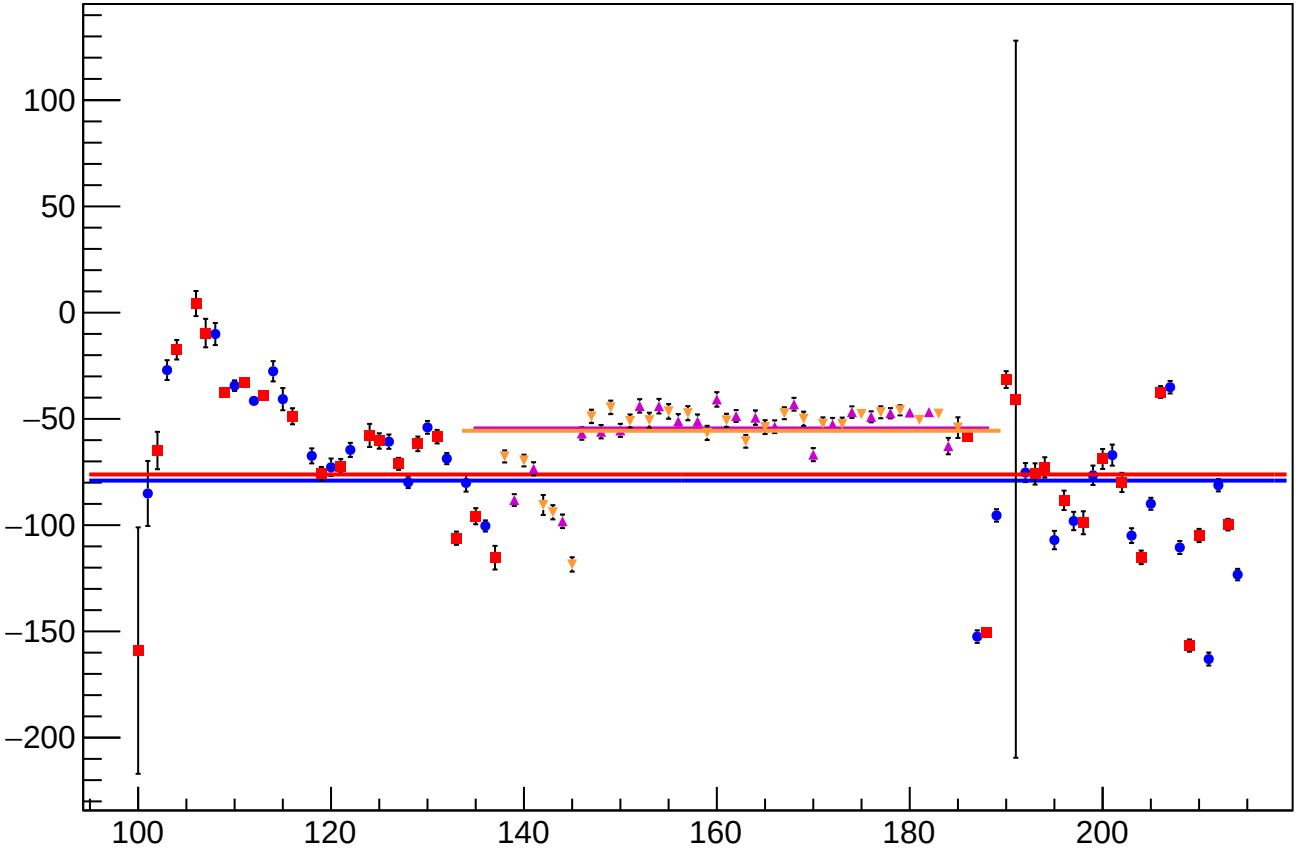
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.790+/-0.062 χ^2/NDF: 1144567.0/54

All: -246.565+/-0.044 χ^2/NDF: 1521643.7/11

- sign -252.476+/-0.063 χ^2/NDF: 359572.7/56

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -79.033+/-0.606 χ^2/NDF: 3445.1/29

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -76.152+/-0.562 χ^2/NDF: 5134.5/33

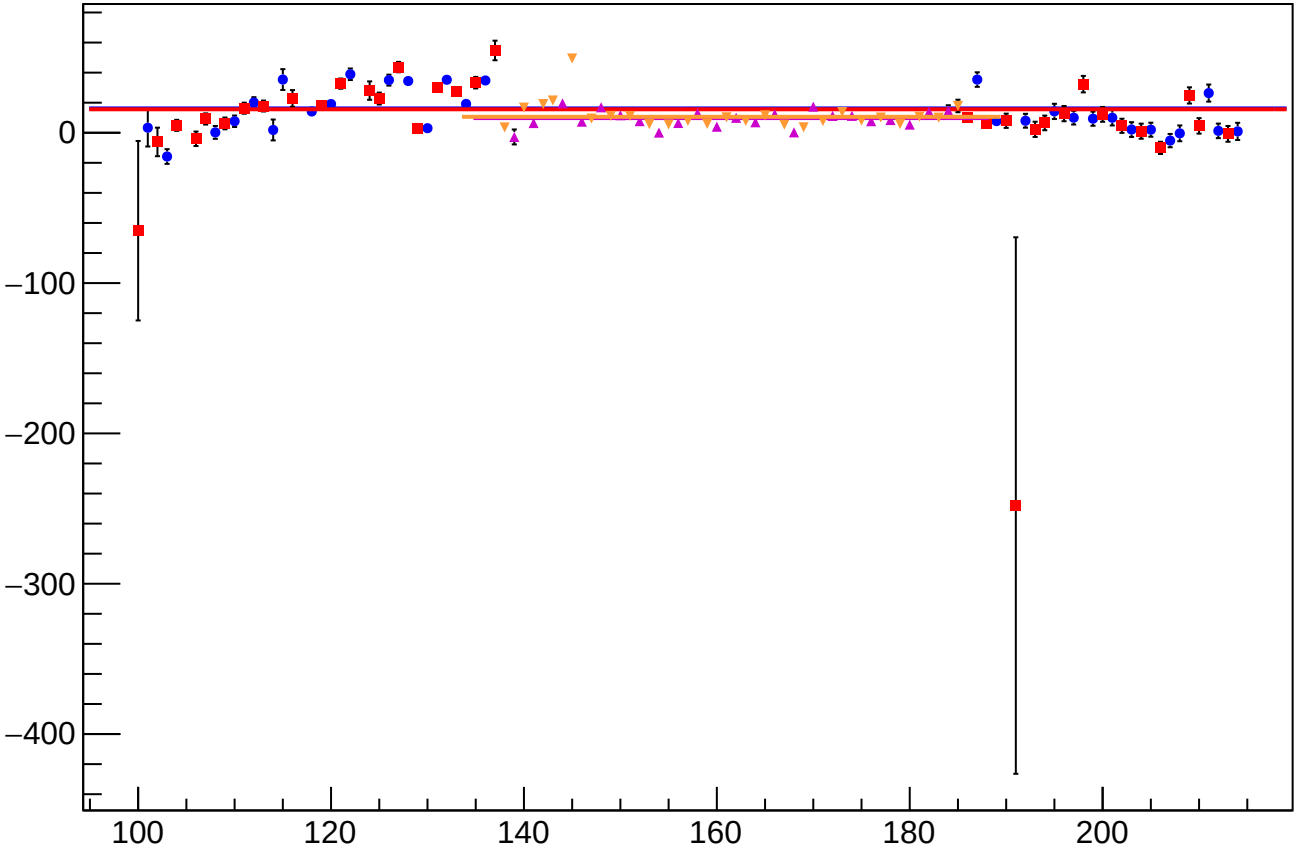
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

+ sign -66.987+/-0.423 χ^2/NDF: 4900.4/54

All: -66.553+/-0.295 χ^2/NDF: 11223.3/111

- sign -66.141+/-0.412 χ^2/NDF: 6320.8/56

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 16.184+/-0.714 χ^2/NDF: 367.8/29

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.619+/-0.663 χ^2/NDF: 378.5/33

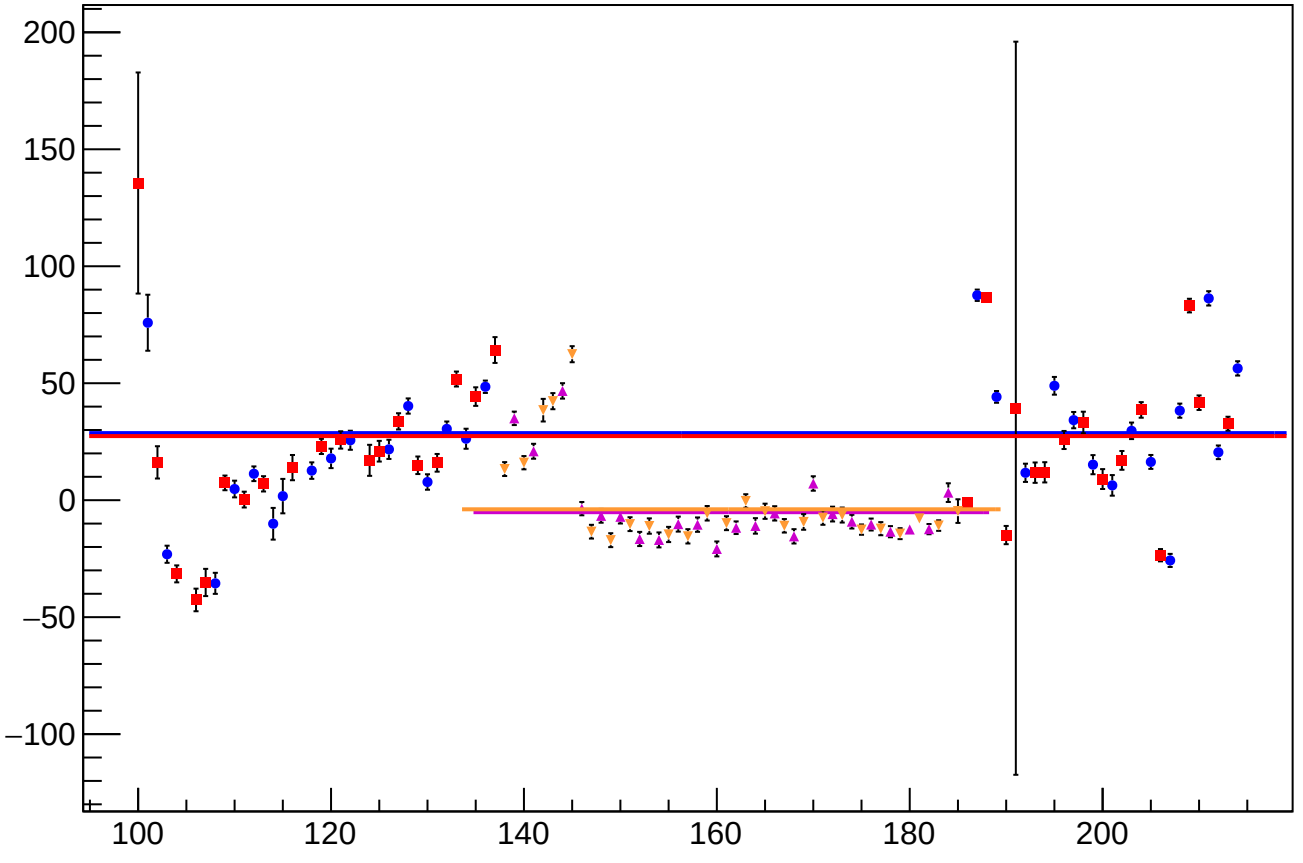
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.188+/-0.380 χ^2/NDF: 666.8/54

All: 11.948+/-0.269 χ^2/NDF: 1219.2/111

- sign 11.707+/-0.382 χ^2/NDF: 551.6/56

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 28.673+/-0.631 χ^2/NDF: 2240.3/29

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.404+/-0.566 χ^2/NDF: 4081.2/33

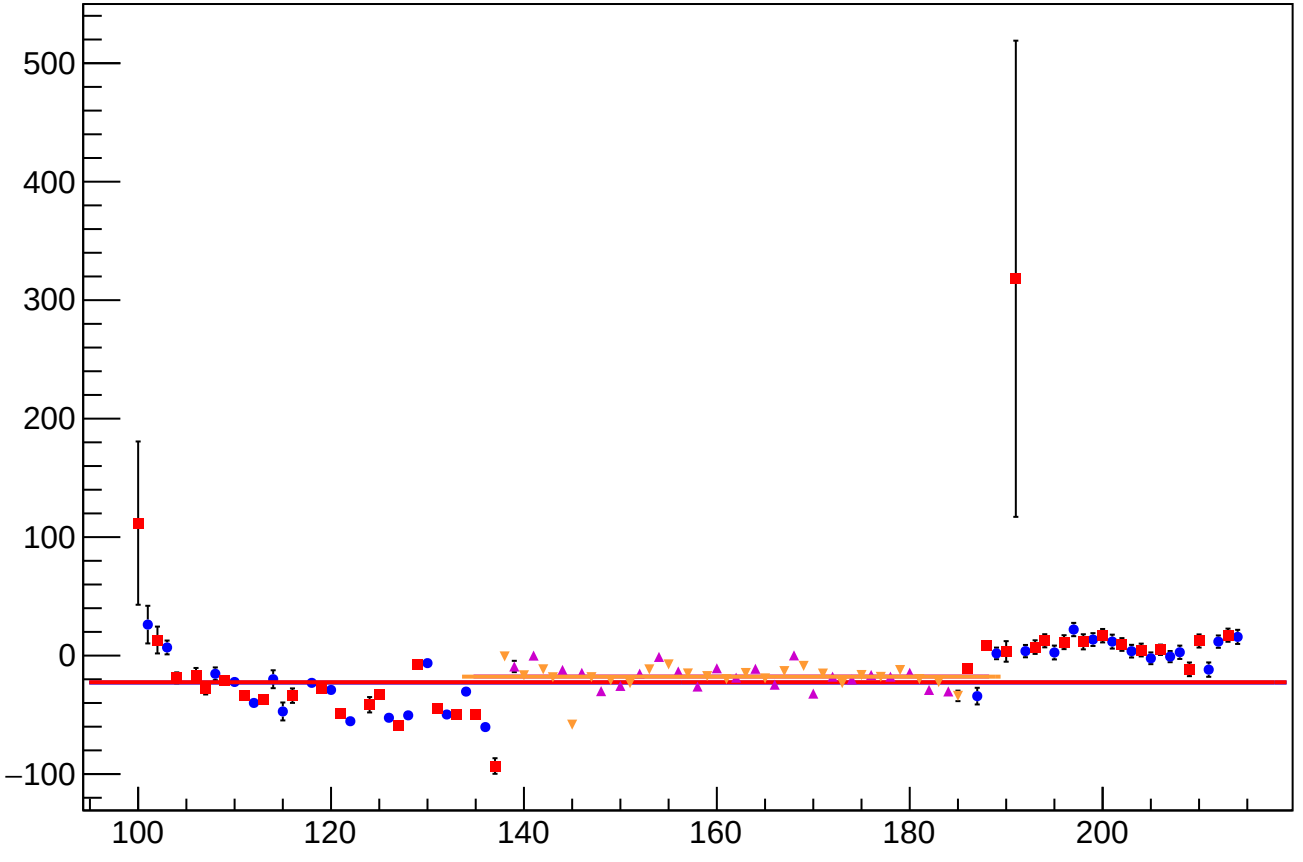
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 11.154+/-0.429 χ^2/NDF: 4522.3/54

All: 11.642+/-0.297 χ^2/NDF: 10813.1/111

- sign 12.090+/-0.411 χ^2/NDF: 6288.4/56

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -22.775+/-0.820 χ^2/NDF: 884.9/29

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -22.486+/-0.787 χ^2/NDF: 995.2/33

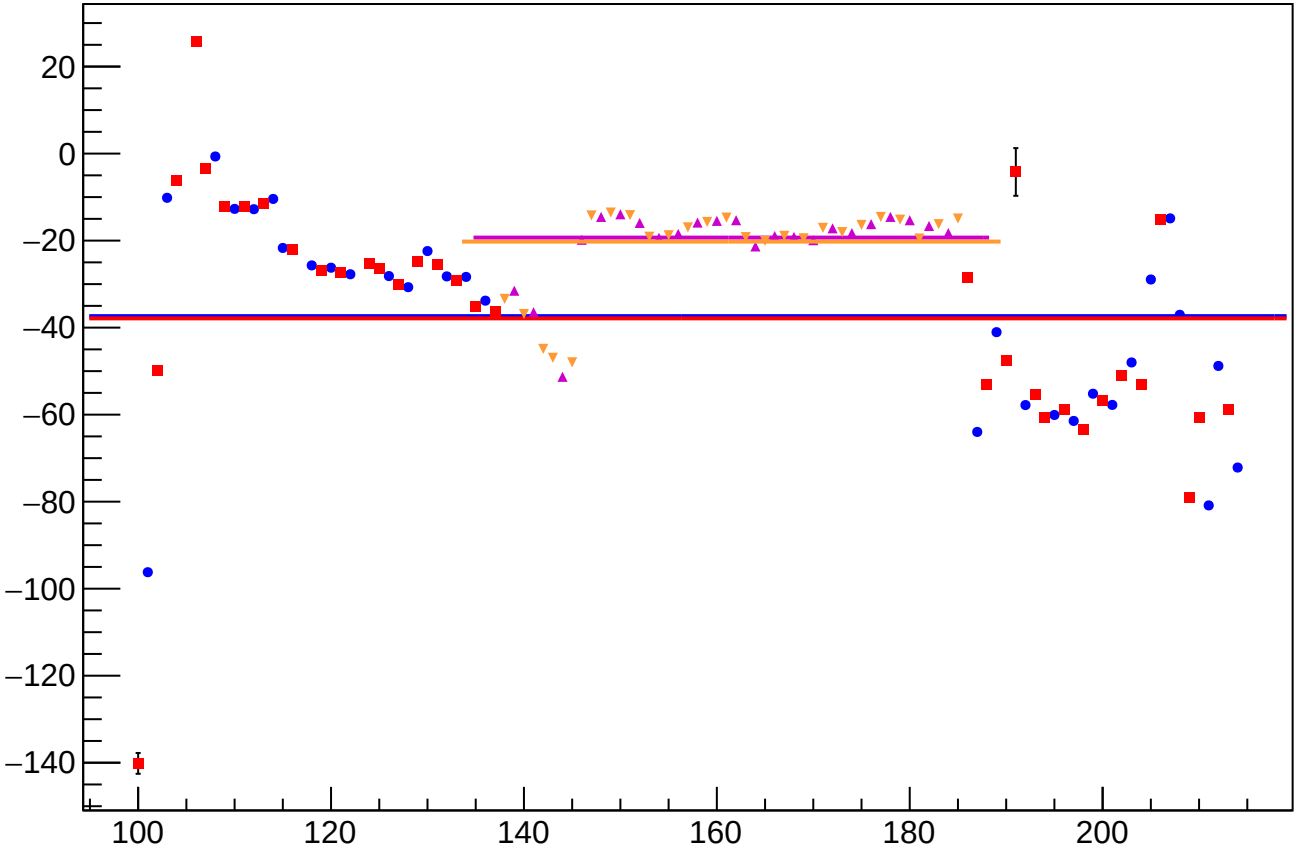
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

\+ sign -19.165+/-0.432 χ^2/NDF: 1163.3/54

All: -19.152+/-0.307 χ^2/NDF: 2470.5/111

\- sign -19.140+/-0.437 χ^2/NDF: 1307.3/56

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.360+/-0.040 χ^2/NDF: 252258.6/29

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.872+/-0.039 χ^2/NDF: 331223.9/33

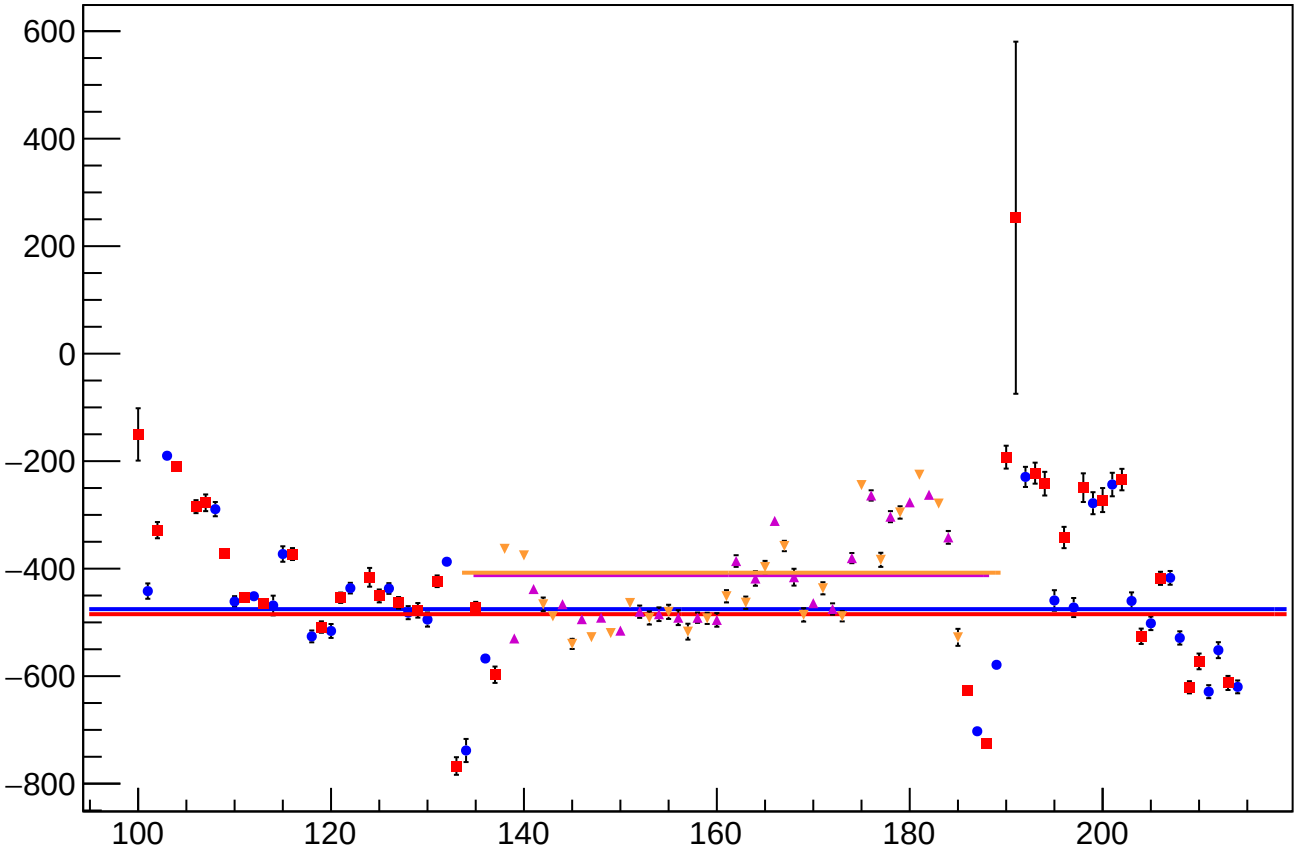
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -24.499+/-0.020 χ^2/NDF: 539710.7/54

All: -24.331+/-0.014 χ^2/NDF: 1130460.8/111

- sign -24.159+/-0.020 χ^2/NDF: 590604.2/56

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -475.324+/-2.149 χ^2/NDF: 3218.7/29

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -484.716+/-1.957 χ^2/NDF: 6406.7/33

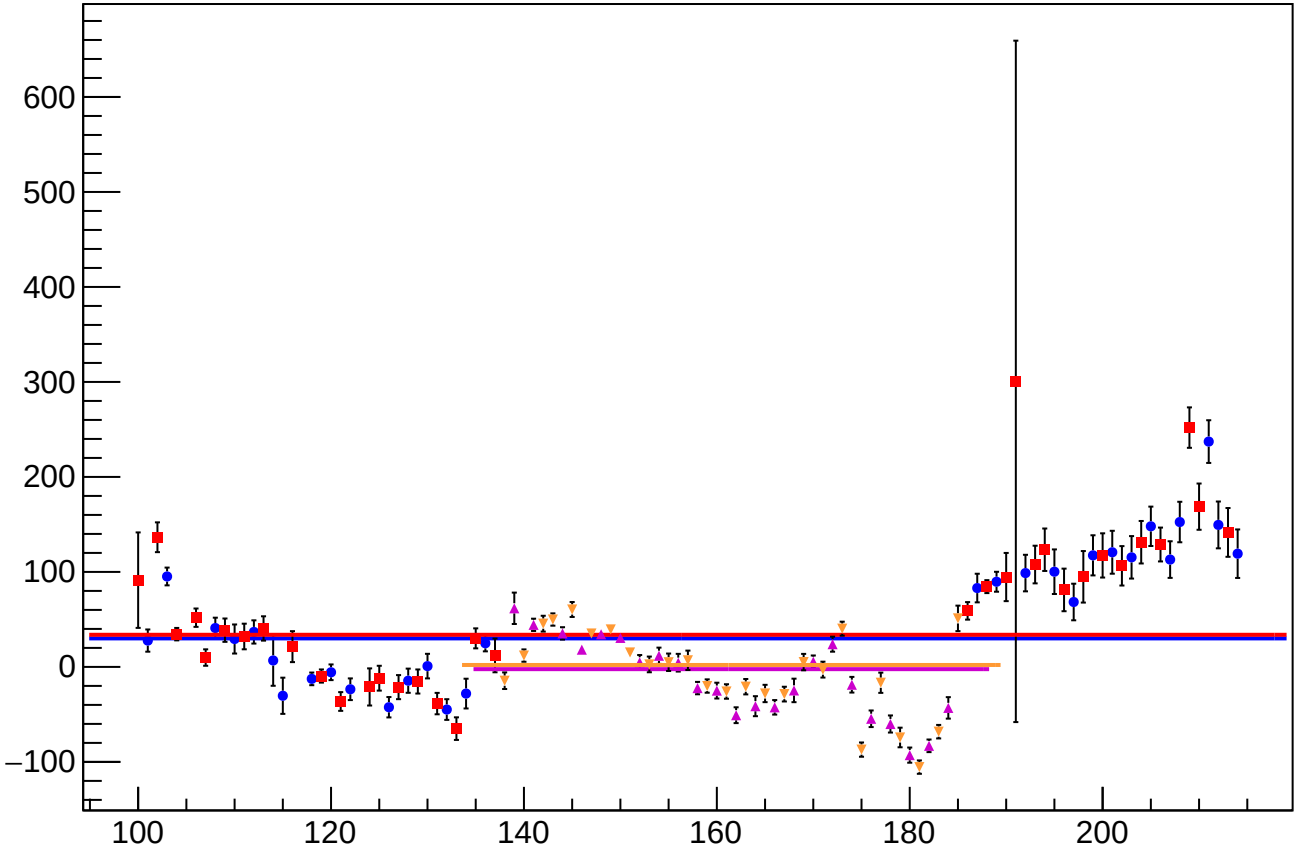
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -438.167+/-1.445 χ^2/NDF: 6636.3/54

All: -443.929+/-1.006 χ^2/NDF: 15926.9/111

- sign -449.352+/-1.402 χ^2/NDF: 9259.7/56

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 30.001+/-2.400 χ^2/NDF: 589.6/29

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 33.820+/-2.180 χ^2/NDF: 646.8/33

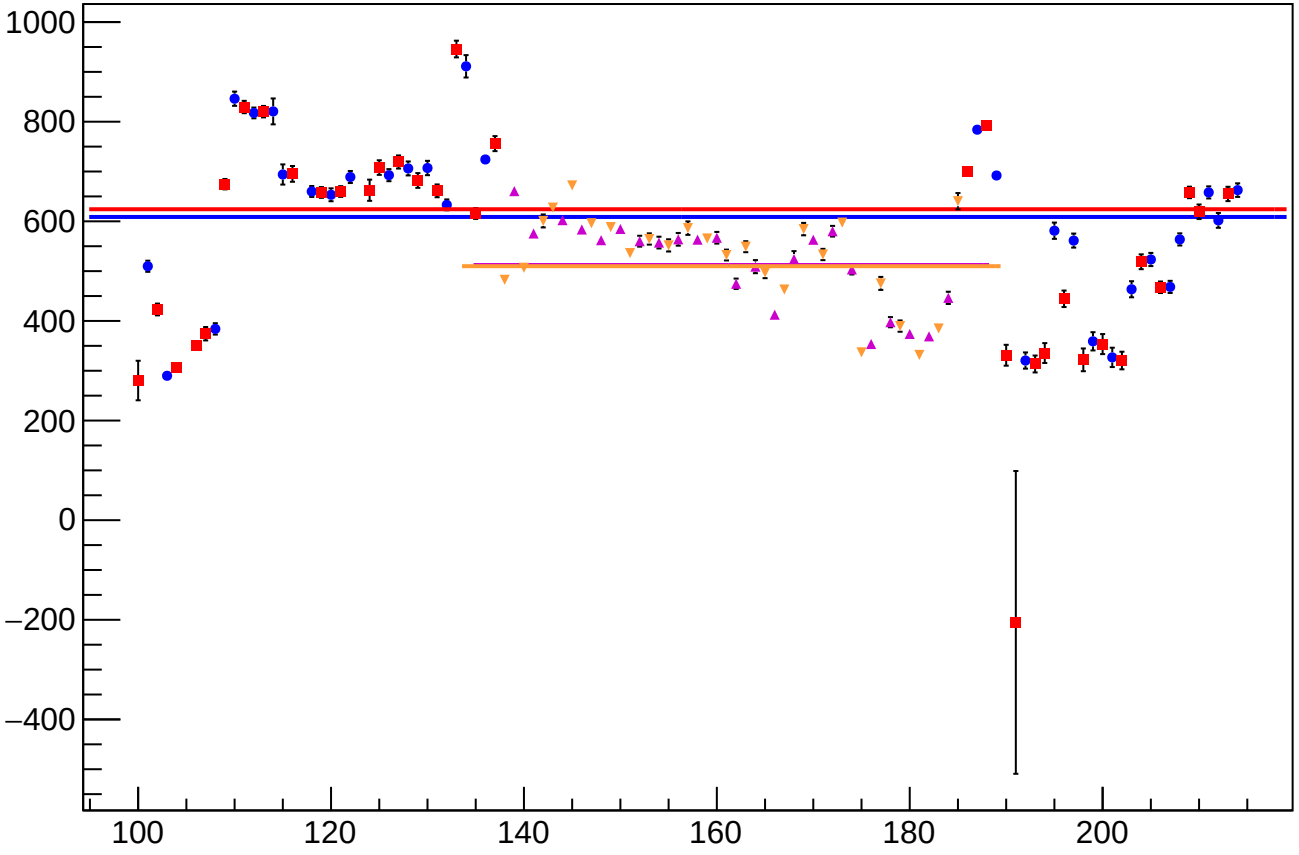
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 9.333+/-1.226 χ^2/NDF: 1600.7/54

All: 9.206+/-0.867 χ^2/NDF: 3169.3/111

- sign 9.079+/-1.226 χ^2/NDF: 1568.6/56

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 608.751+/-2.176 χ^2/NDF: 5560.7/29

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 624.259+/-1.918 χ^2/NDF: 8820.3/33

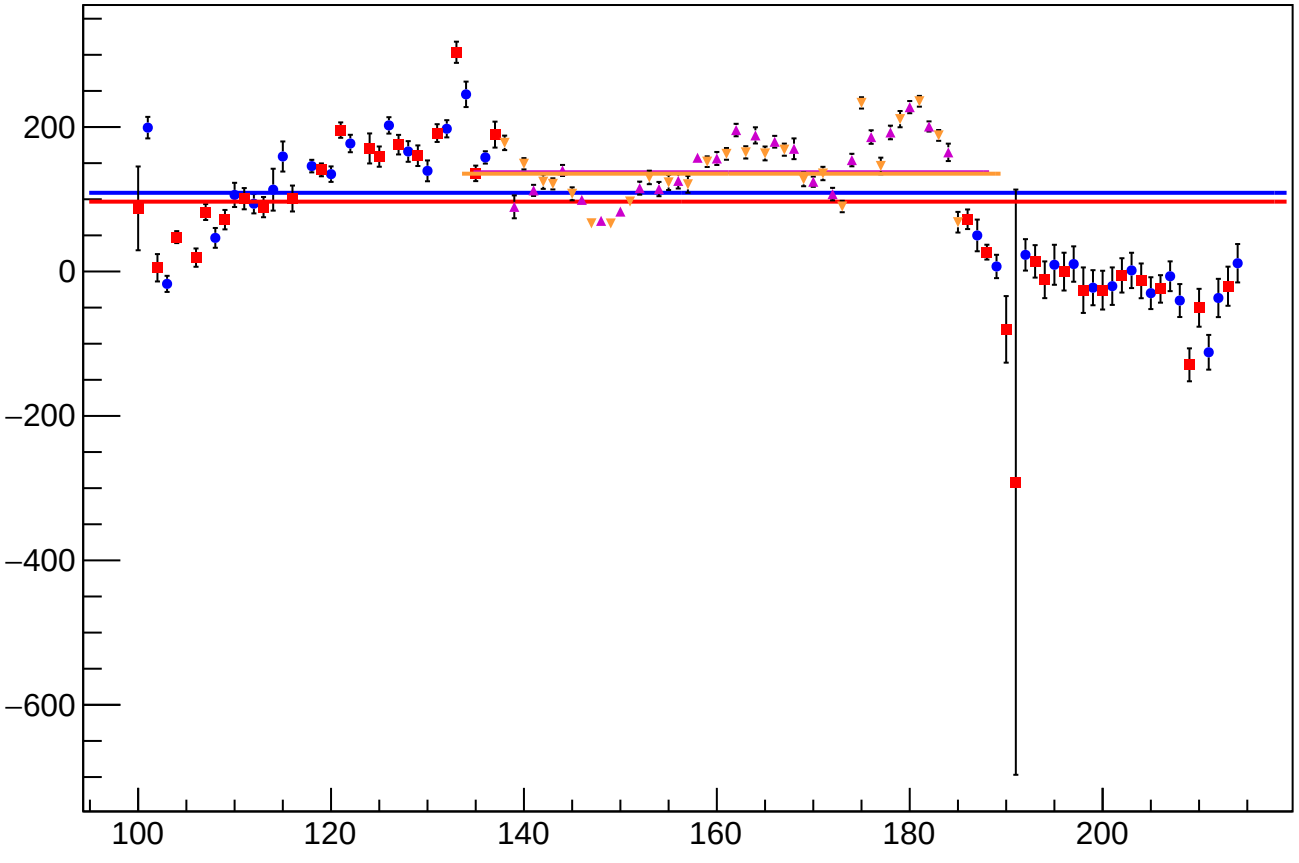
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 553.568+/-1.446 χ^2/NDF: 9375.0/54

All: 562.263+/-0.998 χ^2/NDF: 21999.3/111

- sign 570.165+/-1.379 χ^2/NDF: 12555.4/56

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 108.945+/-2.801 χ^2/NDF: 891.4/29

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 96.691+/-2.613 χ^2/NDF: 971.1/33

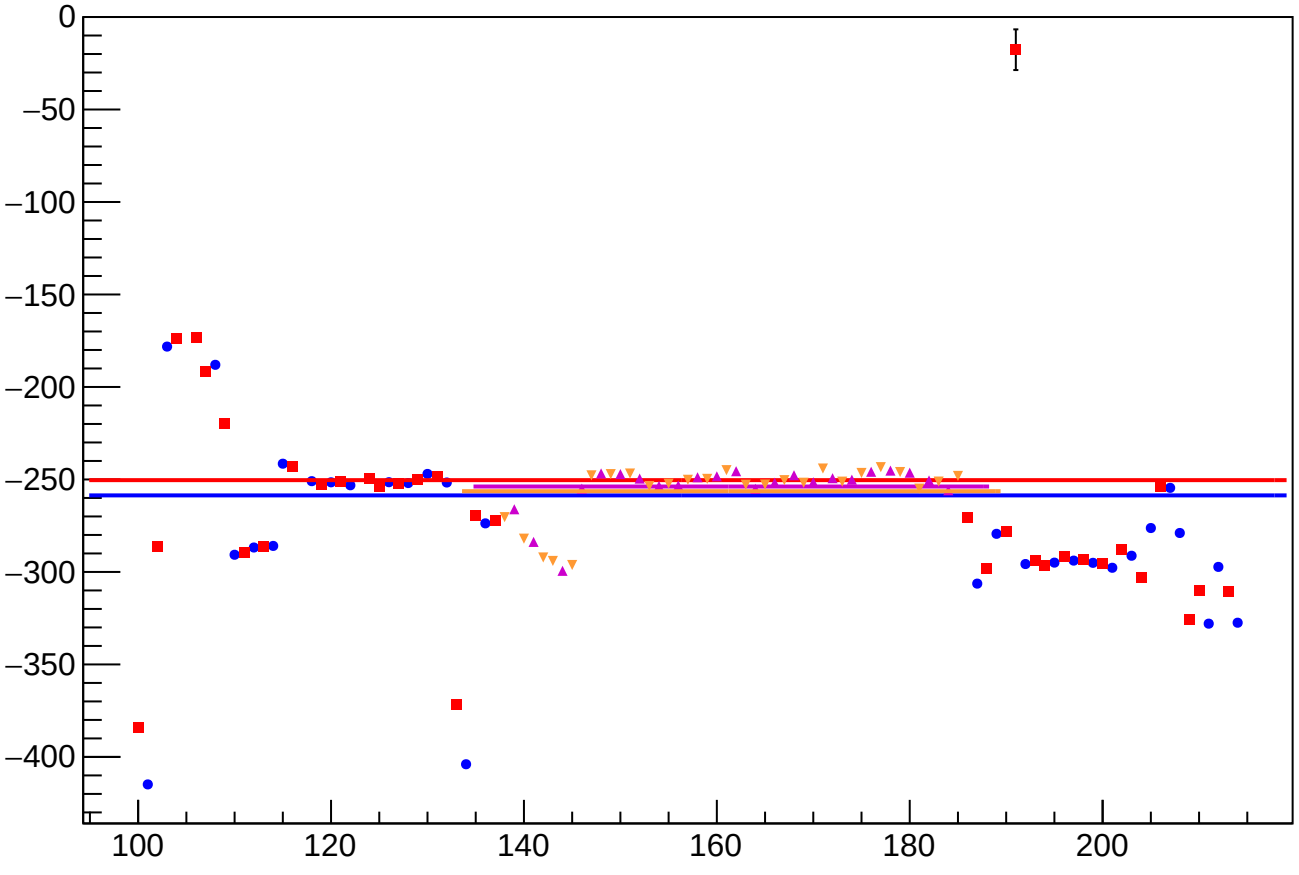
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 128.598+/-1.421 χ^2/NDF: 1880.8/54

All: 126.932+/-1.007 χ^2/NDF: 3730.8/111

- sign 125.254+/-1.426 χ^2/NDF: 1847.2/56

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -258.614+/-0.134 χ^2/NDF: 205855.6/29

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -250.371+/-0.129 χ^2/NDF: 158269.0/33

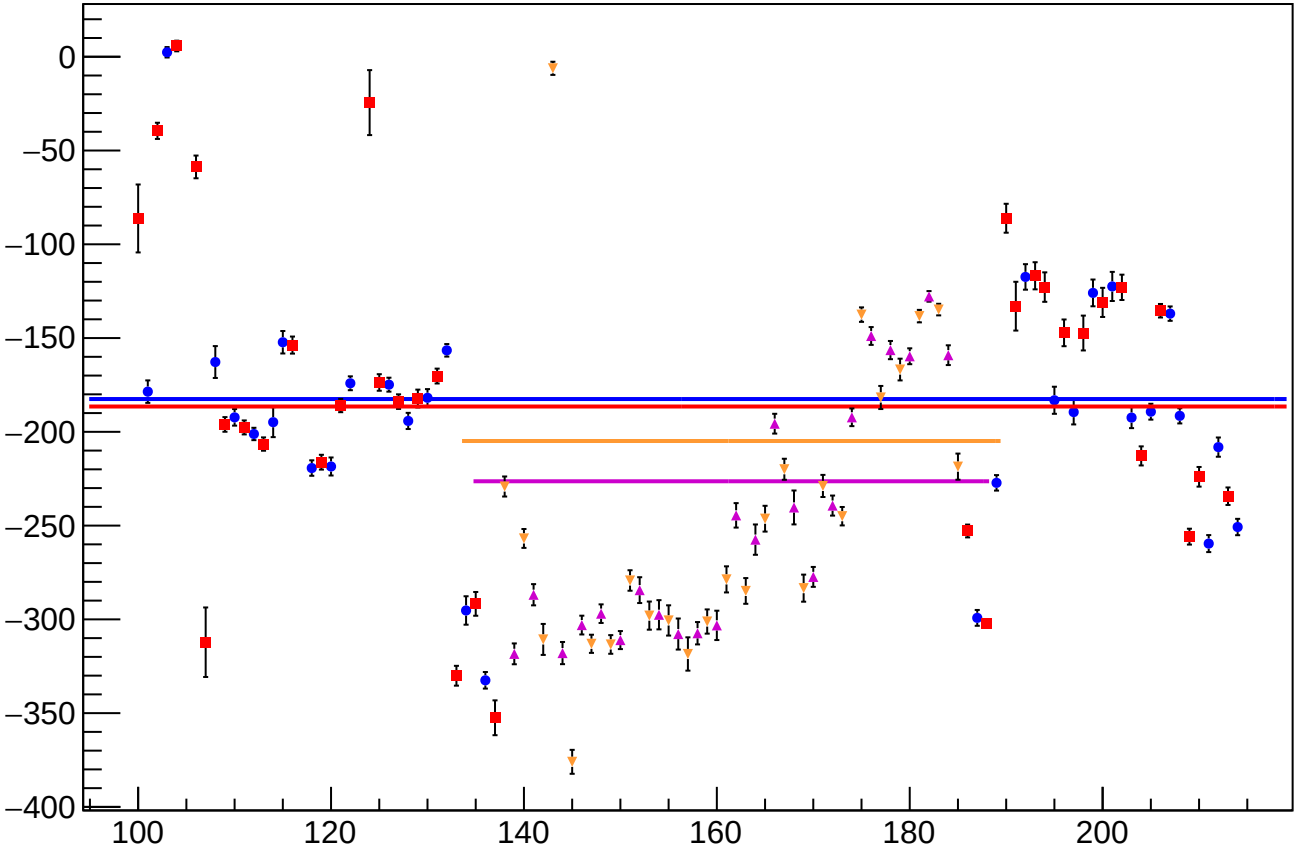
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.910+/-0.067 χ^2/NDF: 245585.5/54

All: -254.899+/-0.047 χ^2/NDF: 430269.5/111

- sign -252.895+/-0.067 χ^2/NDF: 182870.5/56

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -182.511+/-0.835 χ^2/NDF: 7888.8/29

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -186.498+/-0.795 χ^2/NDF: 12023.5/33

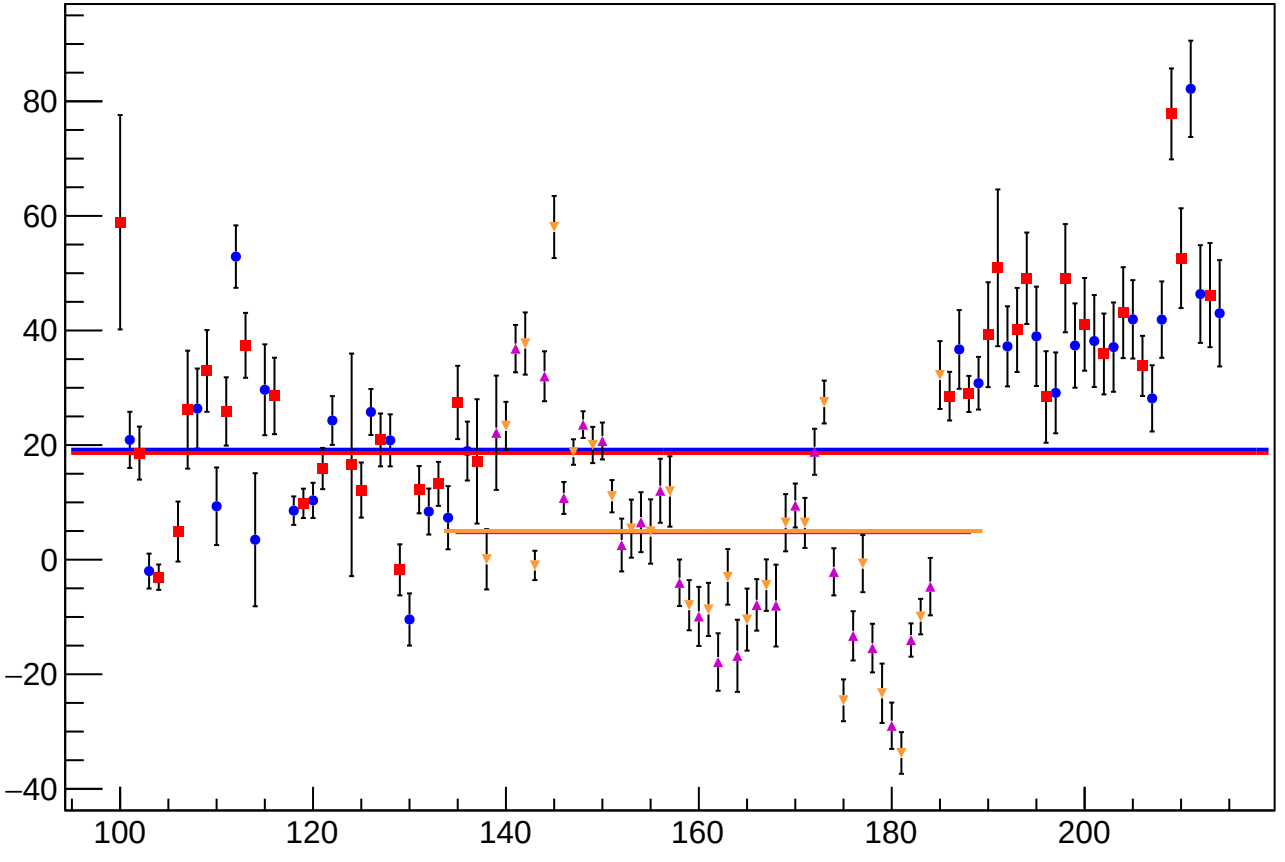
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -191.160+/-0.654 χ^2/NDF: 15992.8/54

All: -195.688+/-0.459 χ^2/NDF: 33187.7/111

- sign -200.098+/-0.645 χ^2/NDF: 17100.3/56

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.195+/-0.933 χ^2/NDF: 320.1/29

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.627+/-0.878 χ^2/NDF: 341.6/33

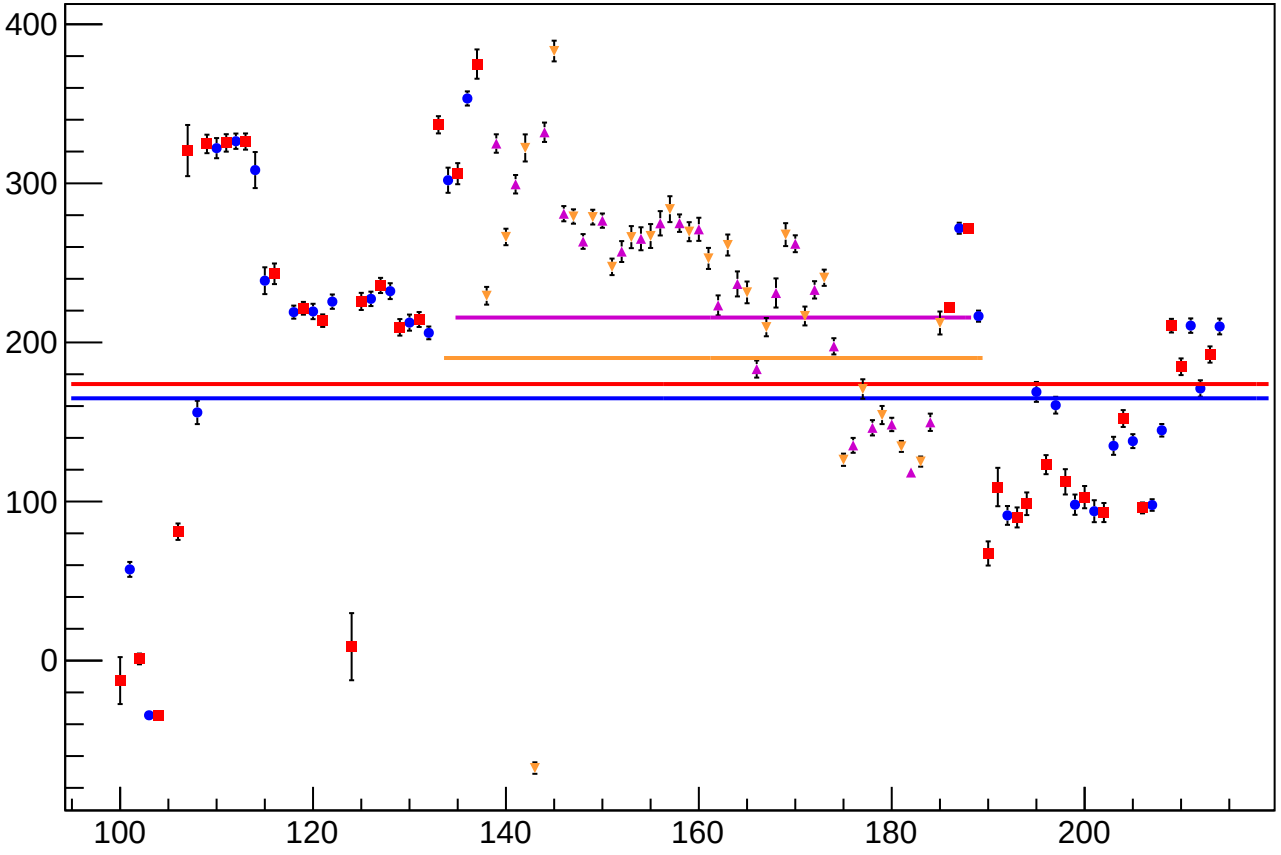
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 10.961+/-0.604 χ^2/NDF: 1002.9/54

All: 11.206+/-0.429 χ^2/NDF: 1899.6/111

\- sign 11.456+/-0.610 χ^2/NDF: 896.4/56

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 164.889+/-0.839 χ^2/NDF: 16119.9/29

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.842+/-0.776 χ^2/NDF: 21464.1/33

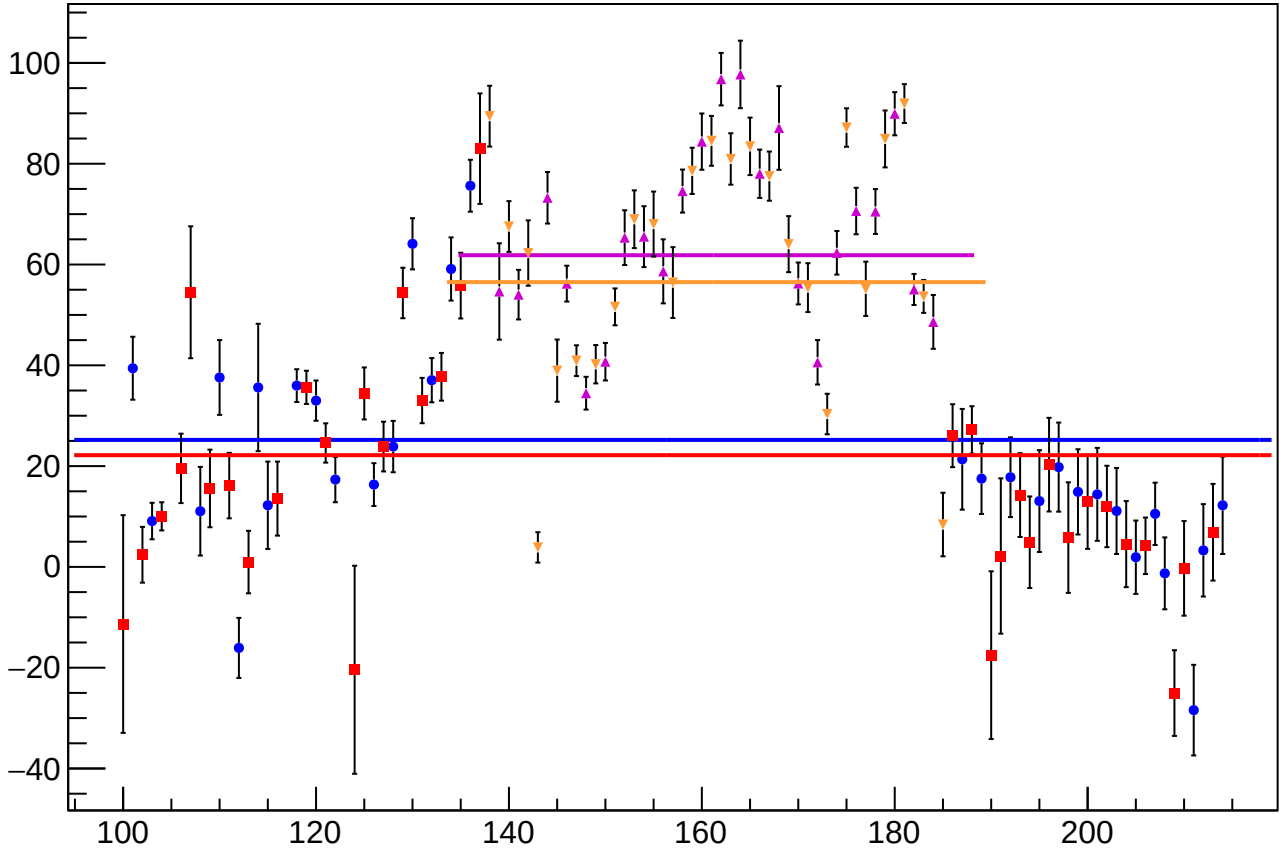
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

\+ sign 174.760+/-0.655 χ^2/NDF: 25859.1/54

All: 181.477+/-0.456 χ^2/NDF: 52379.2/111

\- sign 187.754+/-0.634 χ^2/NDF: 26317.0/56

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.202+/-1.089 χ^2/NDF: 377.2/29

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

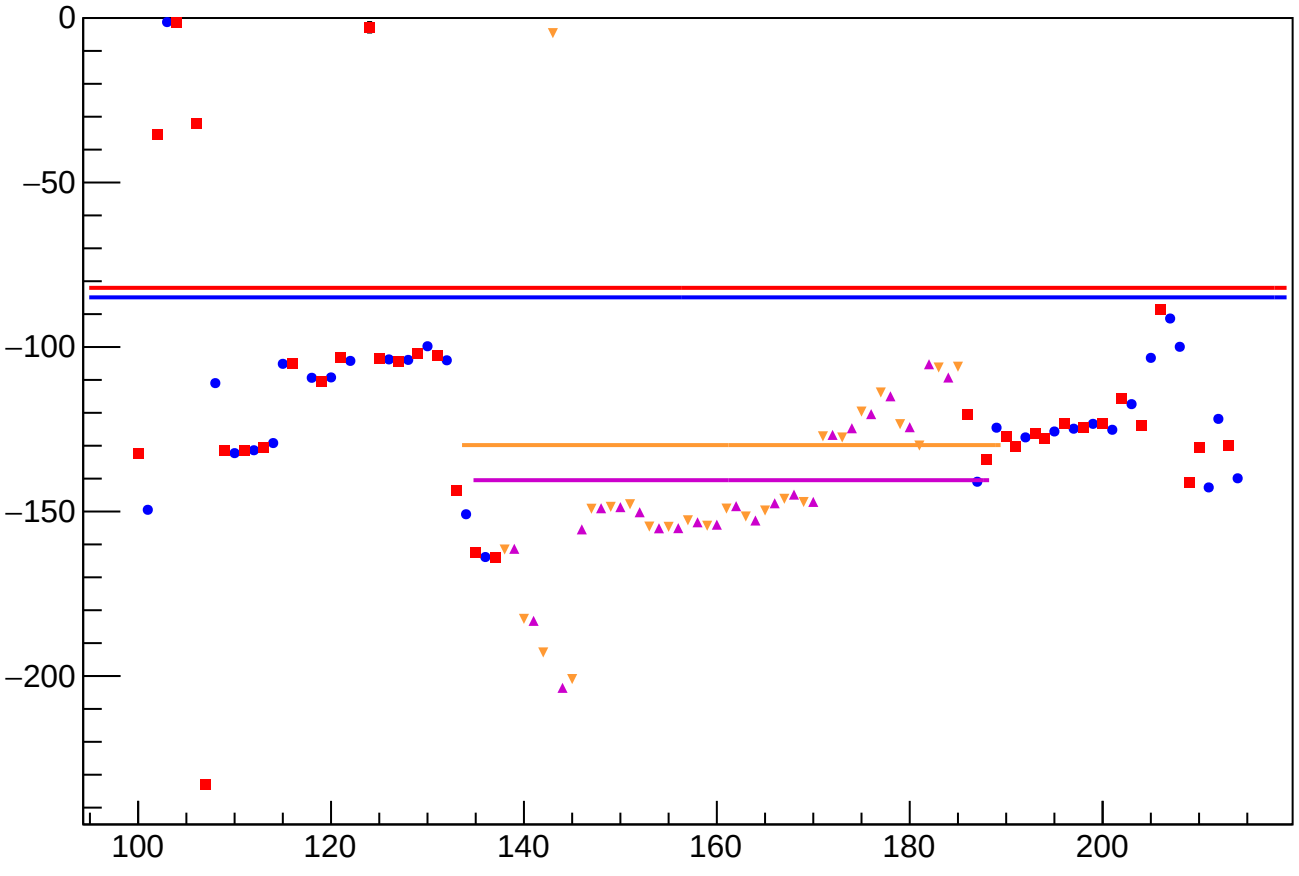
Right Out: 22.174+/-1.046 χ^2/NDF: 269.1/33

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

\+ sign 43.654+/-0.698 χ^2/NDF: 1663.4/54

All: 43.672+/-0.497 χ^2/NDF: 3032.7/111

\- sign 43.690+/-0.708 χ^2/NDF: 1369.3/56



Right In: -84.905+/-0.050 χ^2/NDF: 1339972.5/29

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -82.013+/-0.049 χ^2/NDF: 1302962.4/33

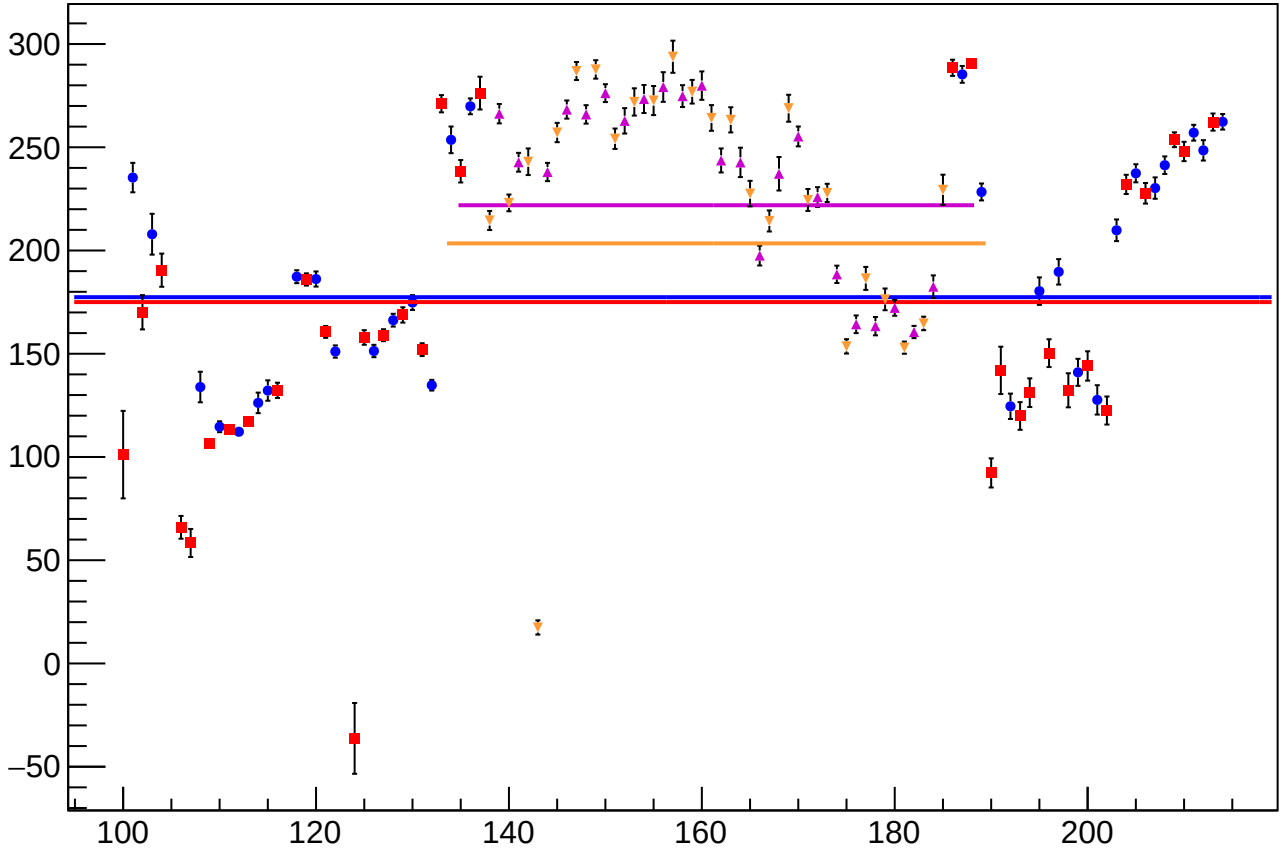
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.287+/-0.032 χ^2/NDF: 2832979.8/54

All: -112.884+/-0.023 χ^2/NDF: 5191823.6/11

- sign -114.505+/-0.033 χ^2/NDF: 2353923.9/56

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 177.392+/-0.721 χ^2/NDF: 5718.6/29

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 175.020+/-0.681 χ^2/NDF: 9711.8/33

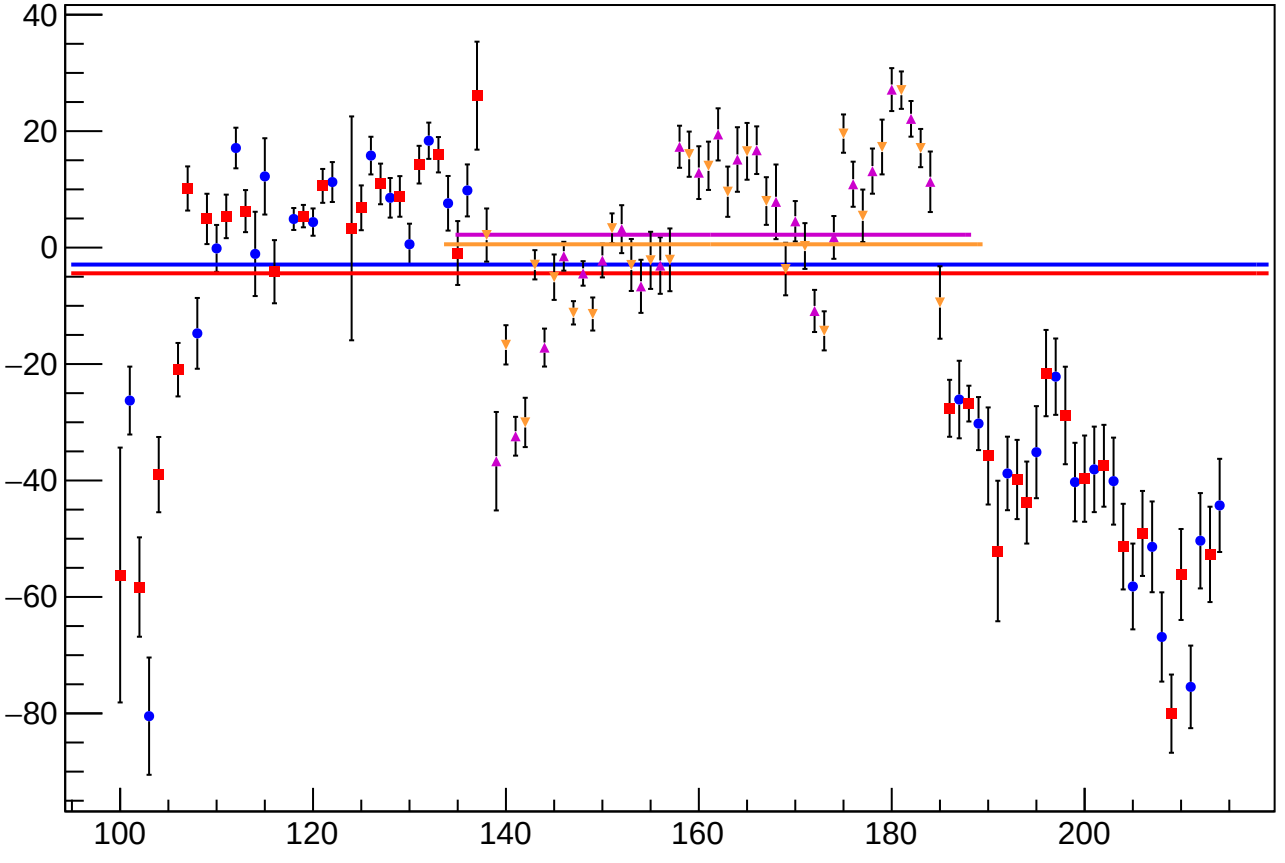
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 186.881+/-0.575 χ^2/NDF: 11685.7/54

All: 188.380+/-0.402 χ^2/NDF: 24894.6/111

- sign 189.819+/-0.563 χ^2/NDF: 13195.6/56

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914+/-0.801 χ^2/NDF: 781.0/29

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -4.416+/-0.782 χ^2/NDF: 812.4/33

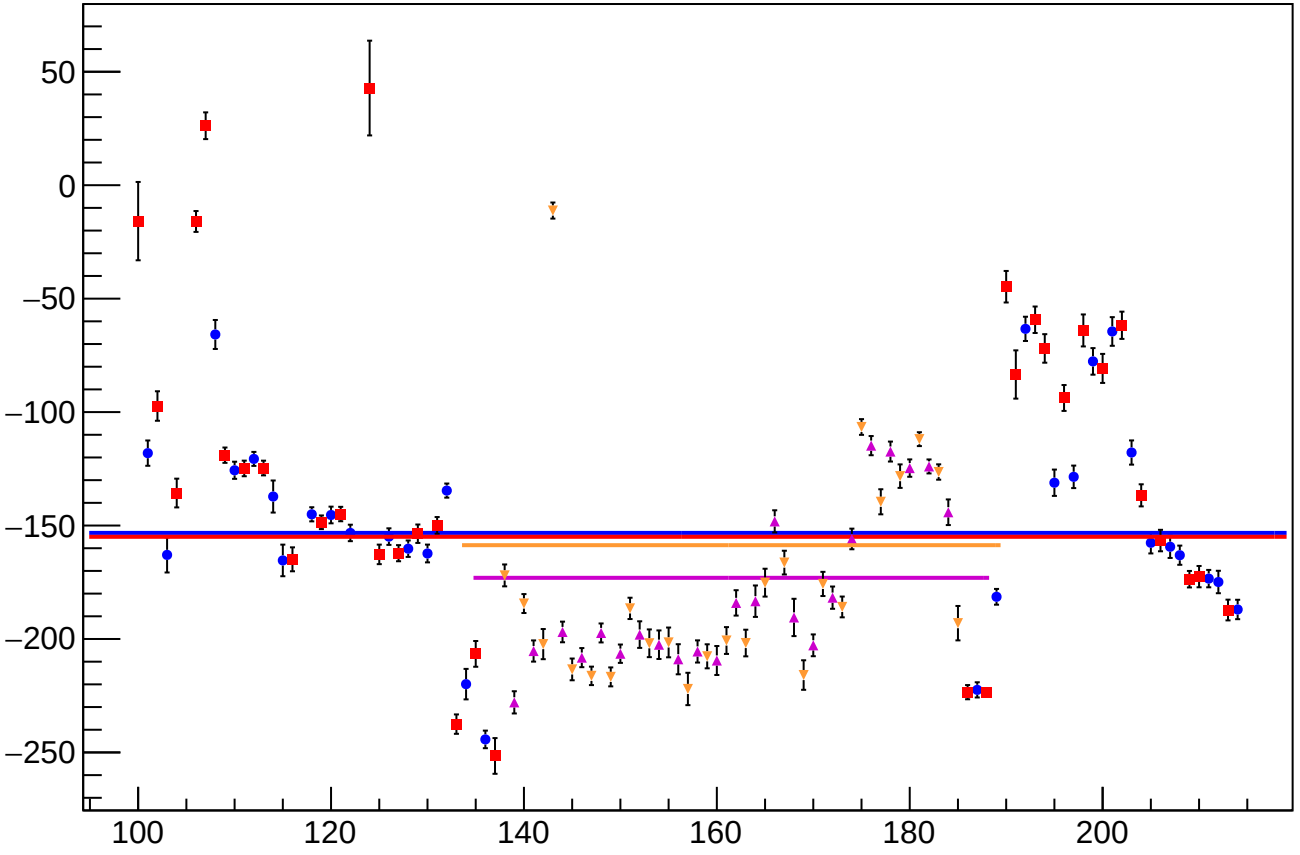
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

\+ sign -0.977+/-0.534 χ^2/NDF: 1137.0/54

All: -0.993+/-0.381 χ^2/NDF: 2344.5/111

\- sign -1.010+/-0.545 χ^2/NDF: 1207.5/56

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -153.240+/-0.785 χ^2/NDF: 2449.1/29

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -154.961+/-0.729 χ^2/NDF: 6513.2/33

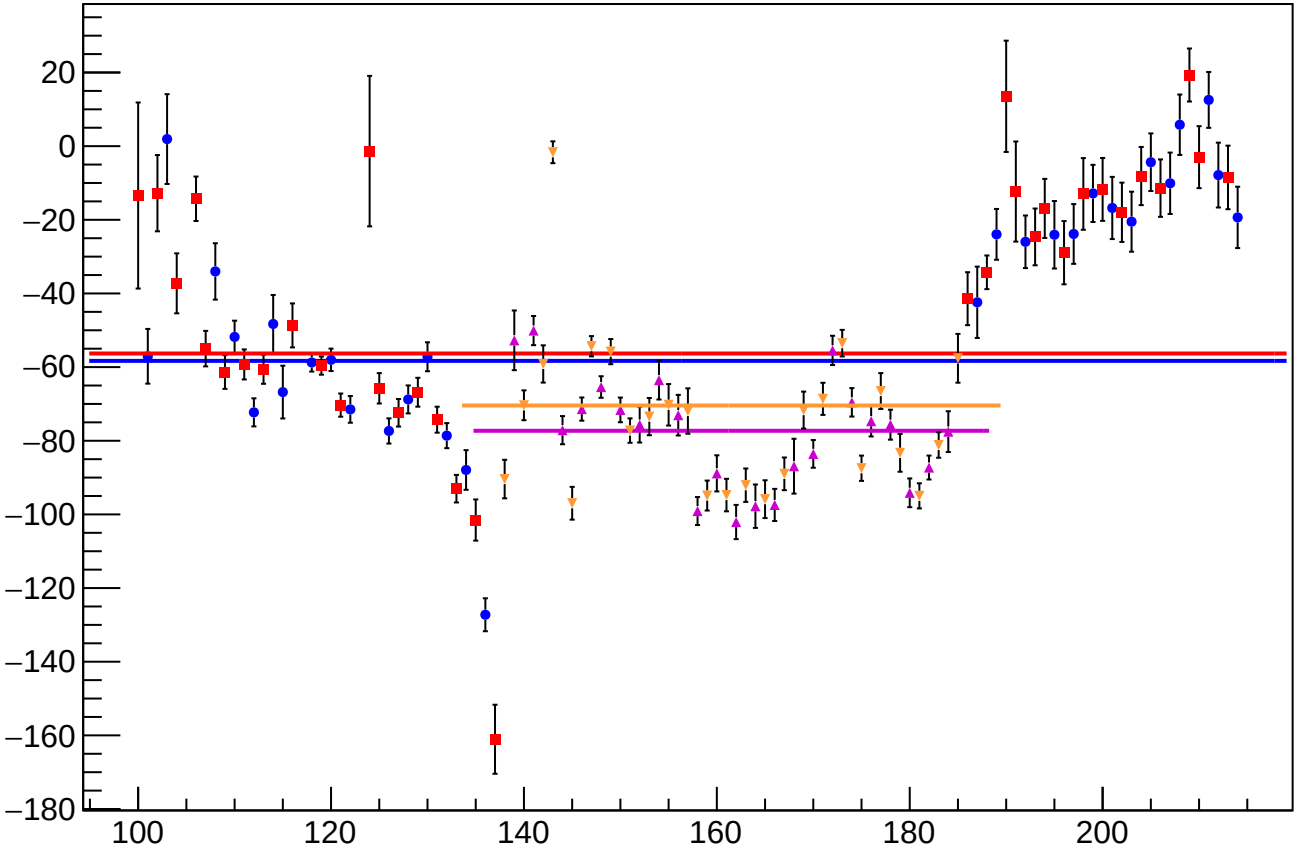
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -155.436+/-0.605 χ^2/NDF: 5960.2/54

All: -158.438+/-0.422 χ^2/NDF: 14135.8/111

- sign -161.274+/-0.588 χ^2/NDF: 8127.8/56

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -58.306+/-0.932 χ^2/NDF: 852.5/29

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -56.300+/-0.914 χ^2/NDF: 883.3/33

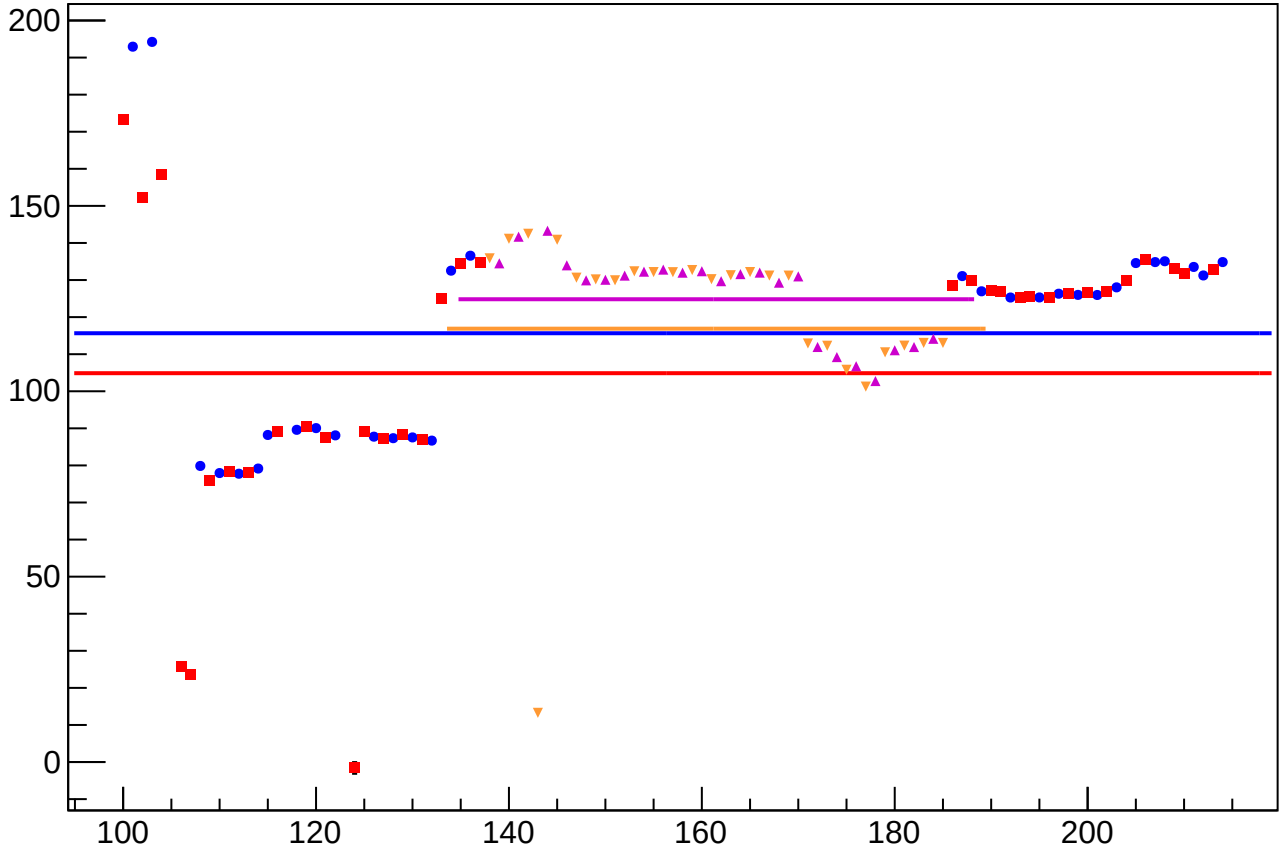
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -65.129+/-0.616 χ^2/NDF: 1849.4/54

All: -66.226+/-0.440 χ^2/NDF: 3271.2/111

- sign -67.368+/-0.629 χ^2/NDF: 1415.4/56

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 115.652+/-0.053 χ^2/NDF: 287556.8/29

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.876+/-0.050 χ^2/NDF: 537695.7/33

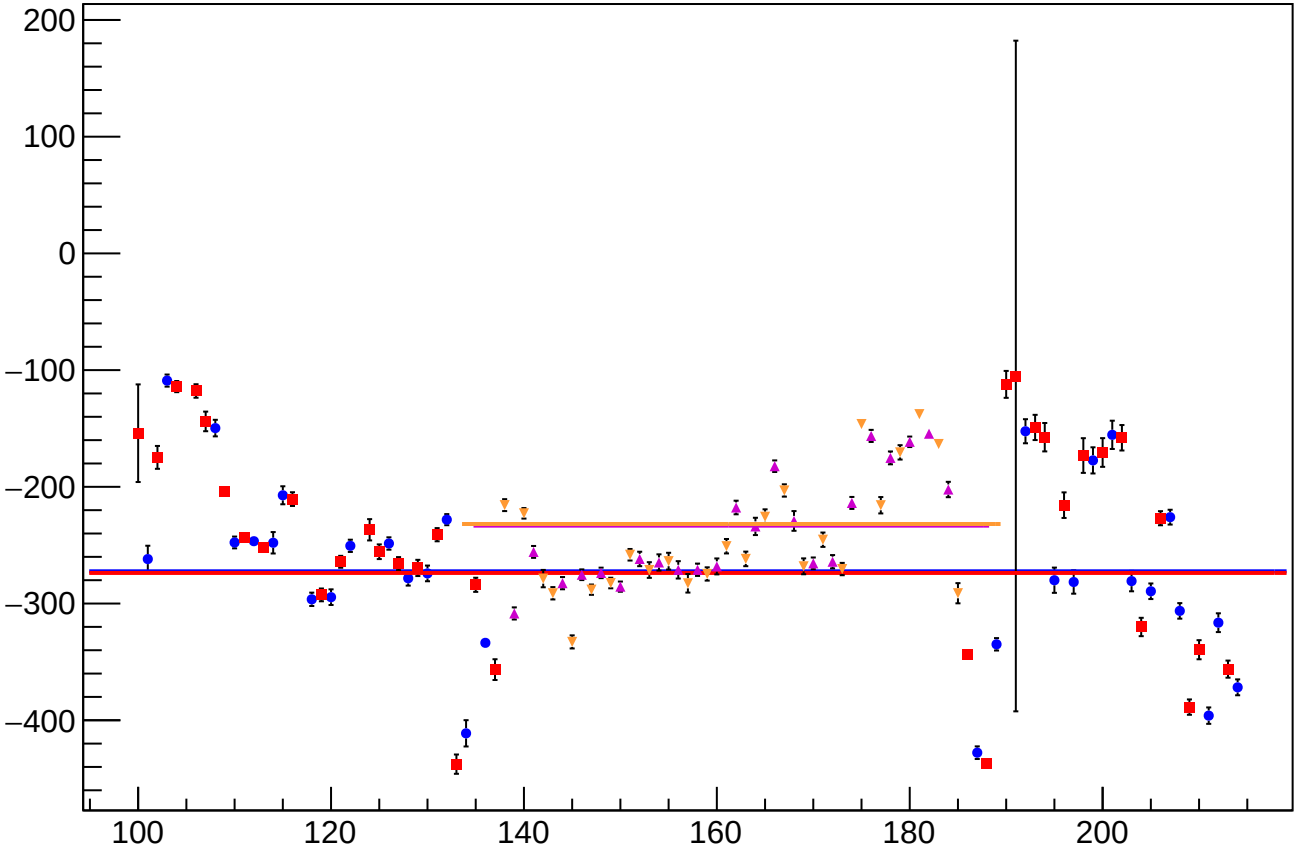
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.464+/-0.031 χ^2/NDF: 911019.8/54

All: 116.808+/-0.022 χ^2/NDF: 1635956.2/11

- sign 117.150+/-0.031 χ^2/NDF: 724690.2/56

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -272.386+/-1.166 χ^2/NDF: 3864.8/29

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -273.776+/-1.057 χ^2/NDF: 8037.2/33

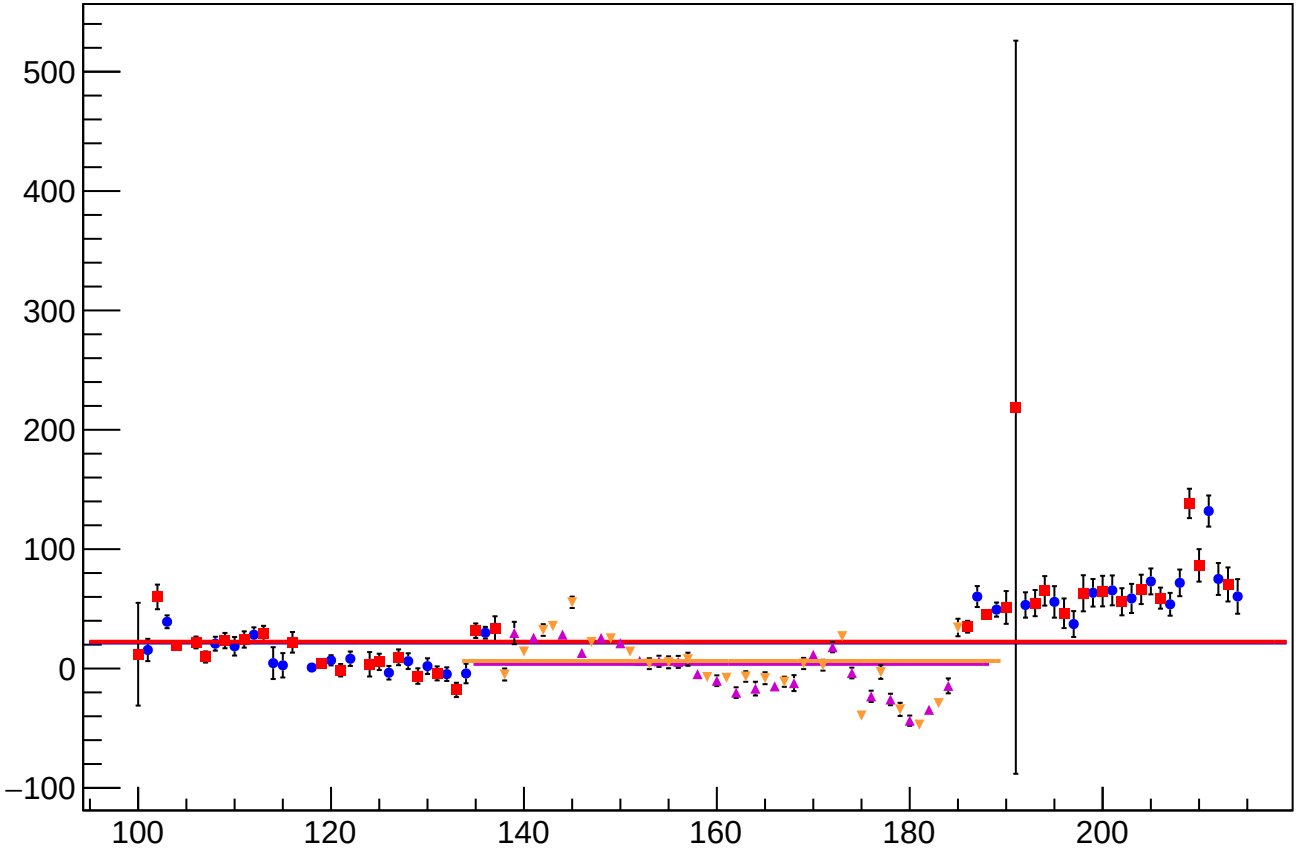
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -250.573+/-0.792 χ^2/NDF: 7192.1/54

All: -252.585+/-0.550 χ^2/NDF: 18008.9/111

- sign -254.459+/-0.765 χ^2/NDF: 10804.4/56

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 21.774+/-1.301 χ^2/NDF: 380.3/29

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.439+/-1.179 χ^2/NDF: 419.2/33

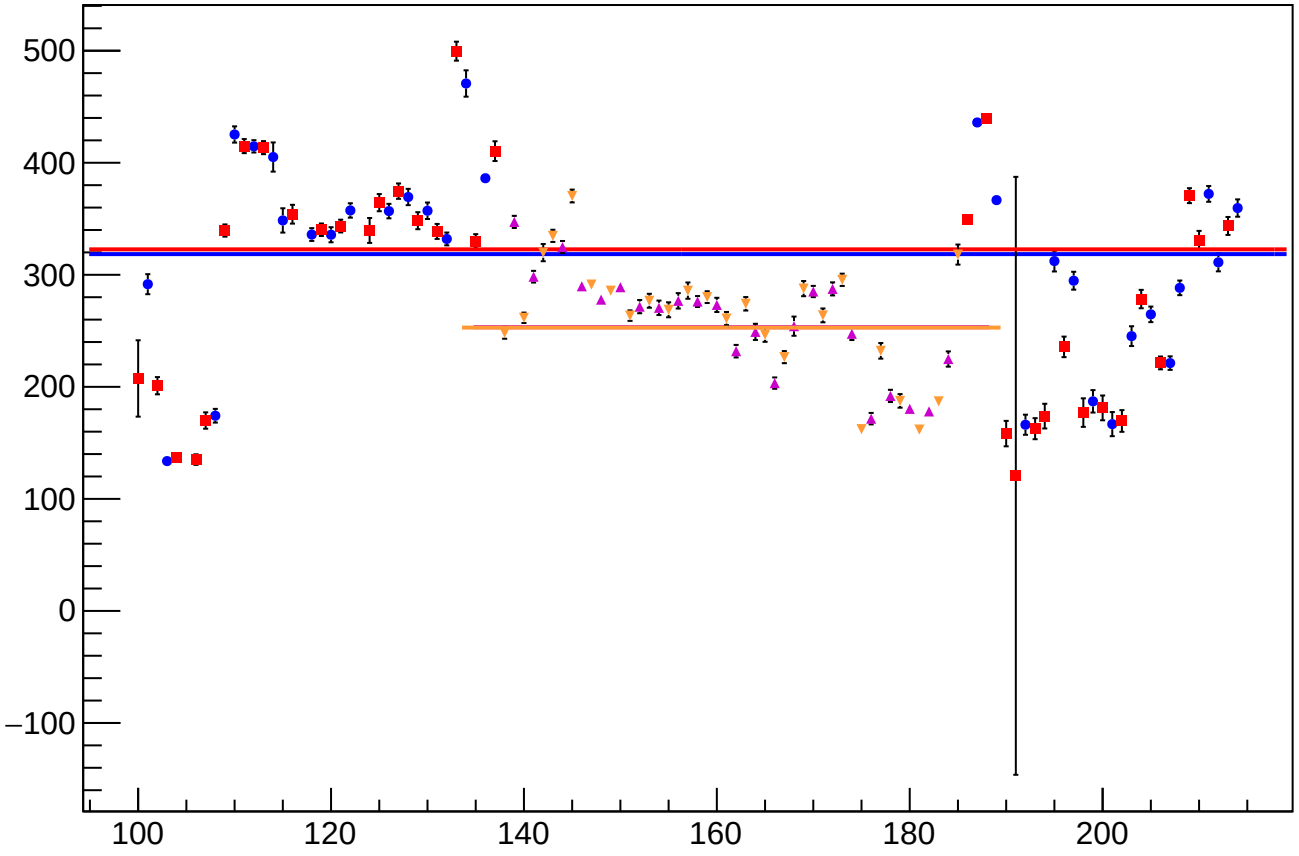
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 10.455+/-0.675 χ^2/NDF: 1355.4/54

All: 10.192+/-0.476 χ^2/NDF: 2592.0/111

- sign 9.930+/-0.672 χ^2/NDF: 1236.3/56

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 318.460+/-1.201 χ^2/NDF: 5774.2/29

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.722+/-1.054 χ^2/NDF: 10153.5/33

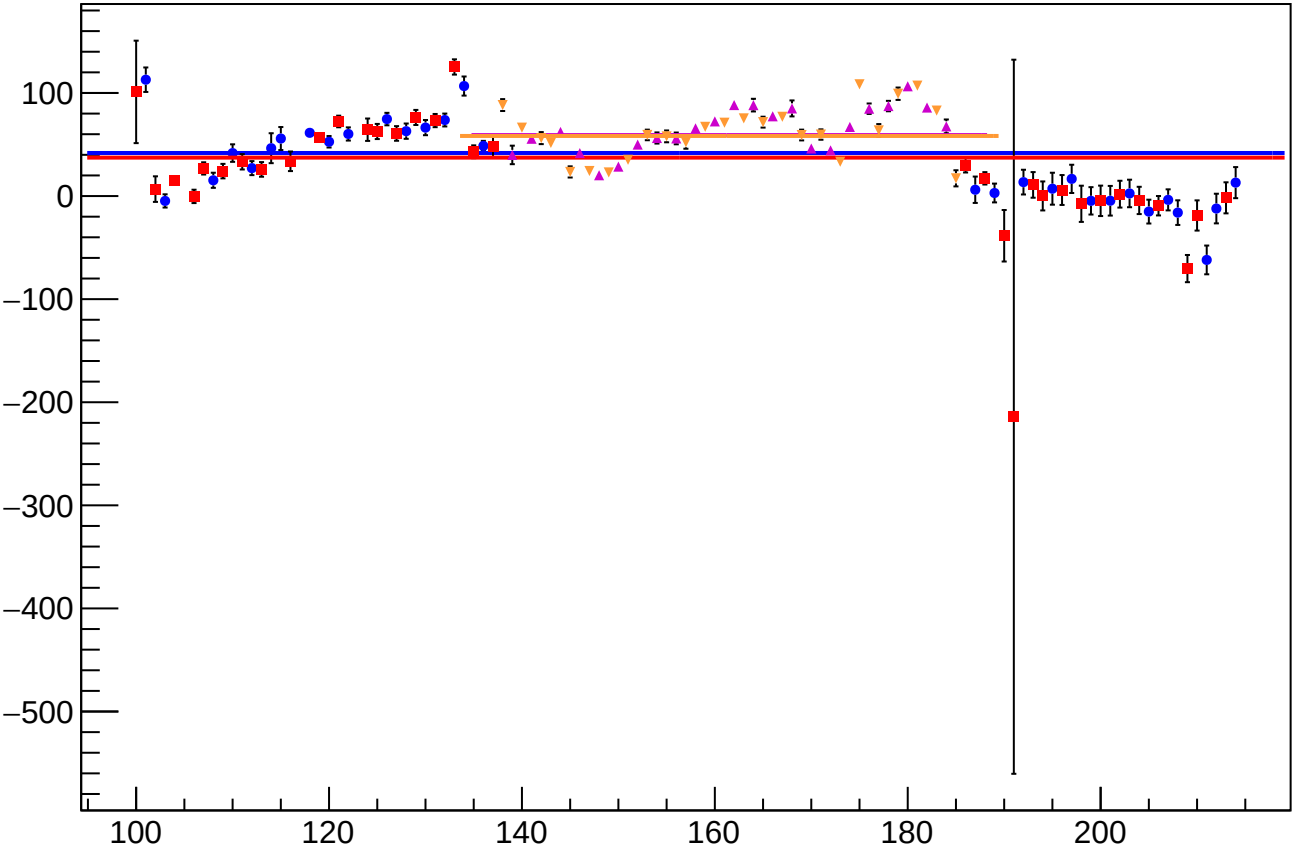
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 281.926+/-0.799 χ^2/NDF: 10015.0/54

All: 285.785+/-0.550 χ^2/NDF: 24365.6/111

- sign 289.265+/-0.759 χ^2/NDF: 14306.2/56

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 41.791+/-1.515 χ^2/NDF: 476.3/29

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.301+/-1.409 χ^2/NDF: 542.7/33

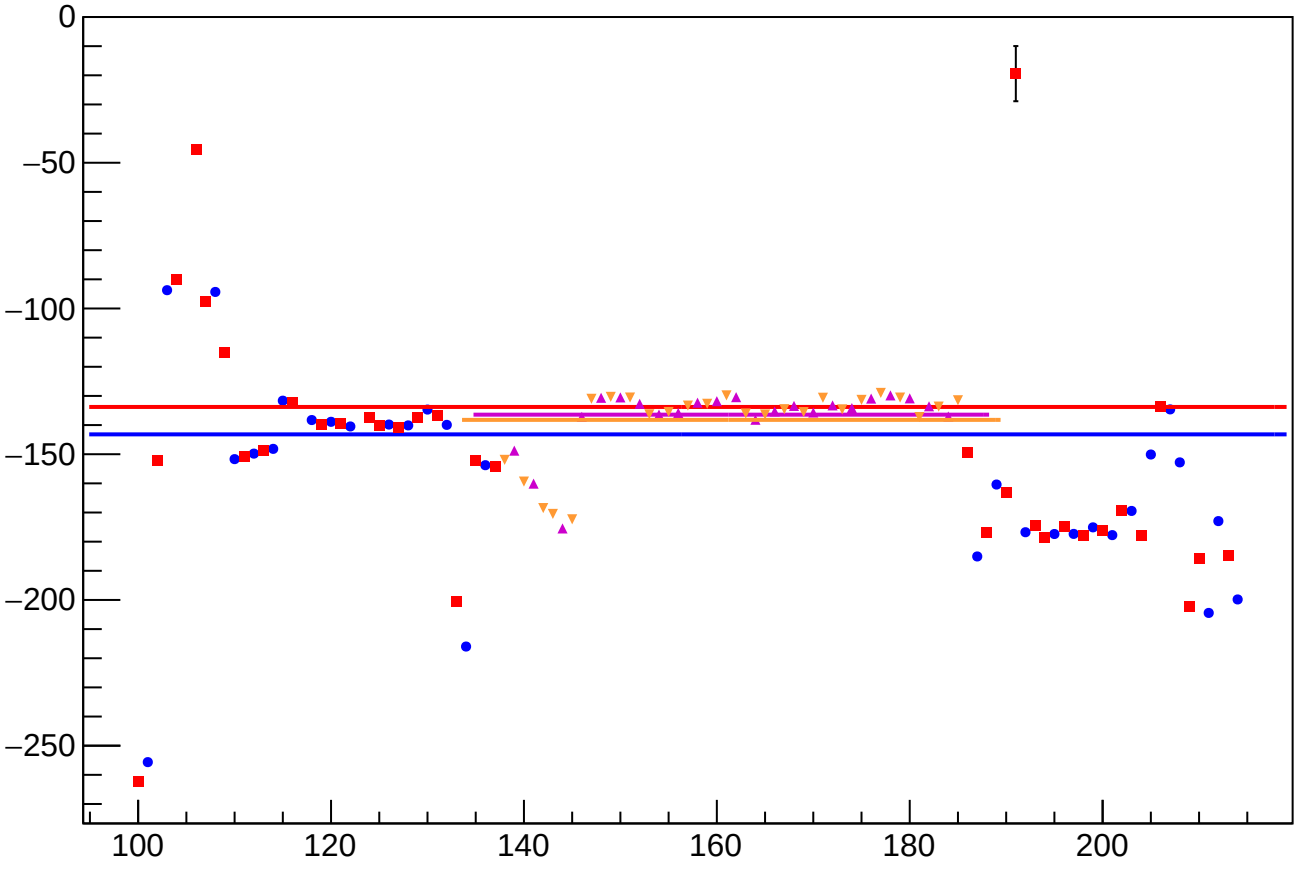
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.917+/-0.781 χ^2/NDF: 1413.7/54

All: 53.176+/-0.552 χ^2/NDF: 2757.3/111

- sign 52.435+/-0.781 χ^2/NDF: 1341.8/56

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -143.188+/-0.074 χ^2/NDF: 251649.1/29

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -133.783+/-0.070 χ^2/NDF: 356566.0/33

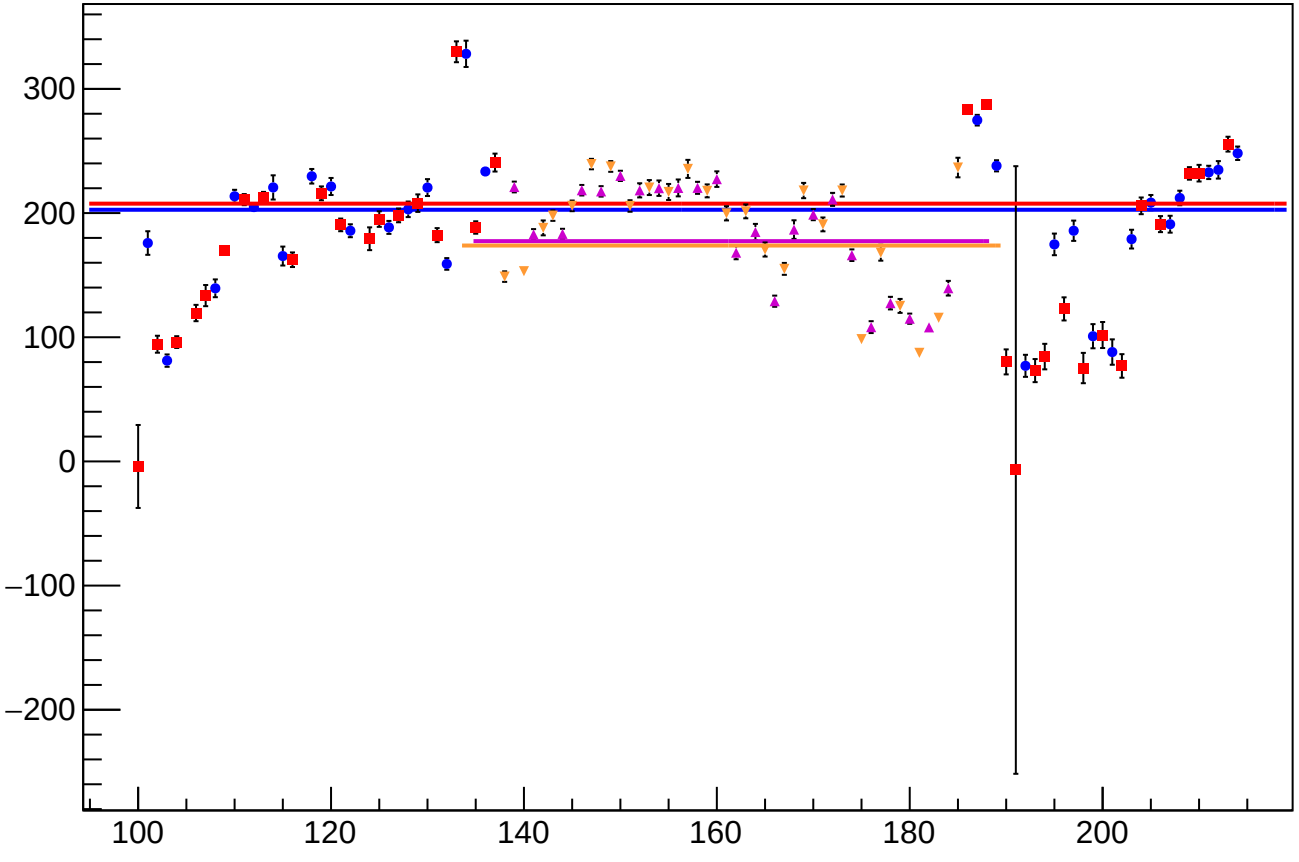
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.448+/-0.037 χ^2/NDF: 336863.2/54

All: -137.566+/-0.026 χ^2/NDF: 749429.5/111

- sign -135.712+/-0.037 χ^2/NDF: 407392.5/56

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 202.668+/-1.082 χ^2/NDF: 2005.8/29

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.591+/-0.981 χ^2/NDF: 4307.1/33

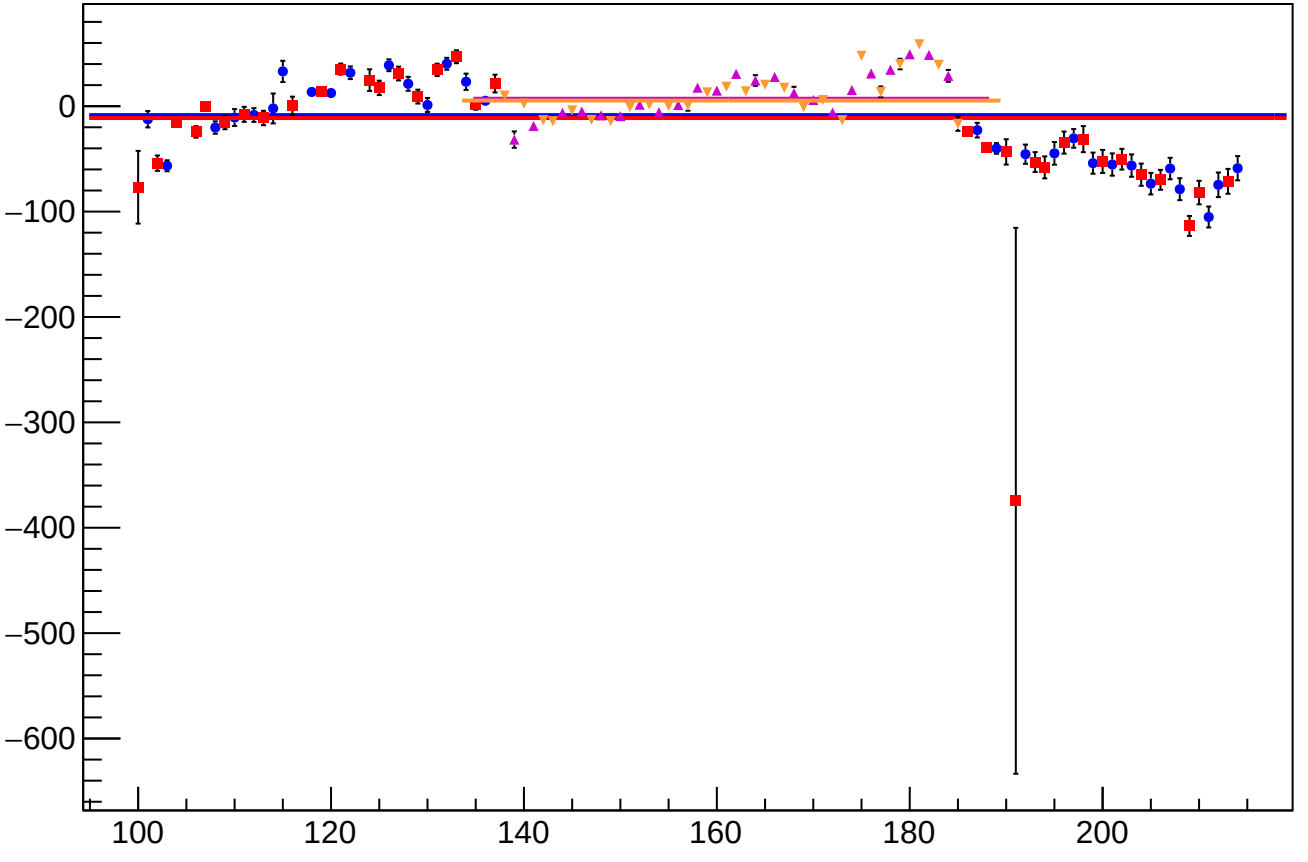
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 186.581+/-0.719 χ^2/NDF: 5029.2/54

All: 189.737+/-0.501 χ^2/NDF: 11803.2/111

\- sign 192.718+/-0.699 χ^2/NDF: 6736.5/56

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -8.479+/-1.236 χ^2/NDF: 803.0/29

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -11.242+/-1.119 χ^2/NDF: 851.0/33

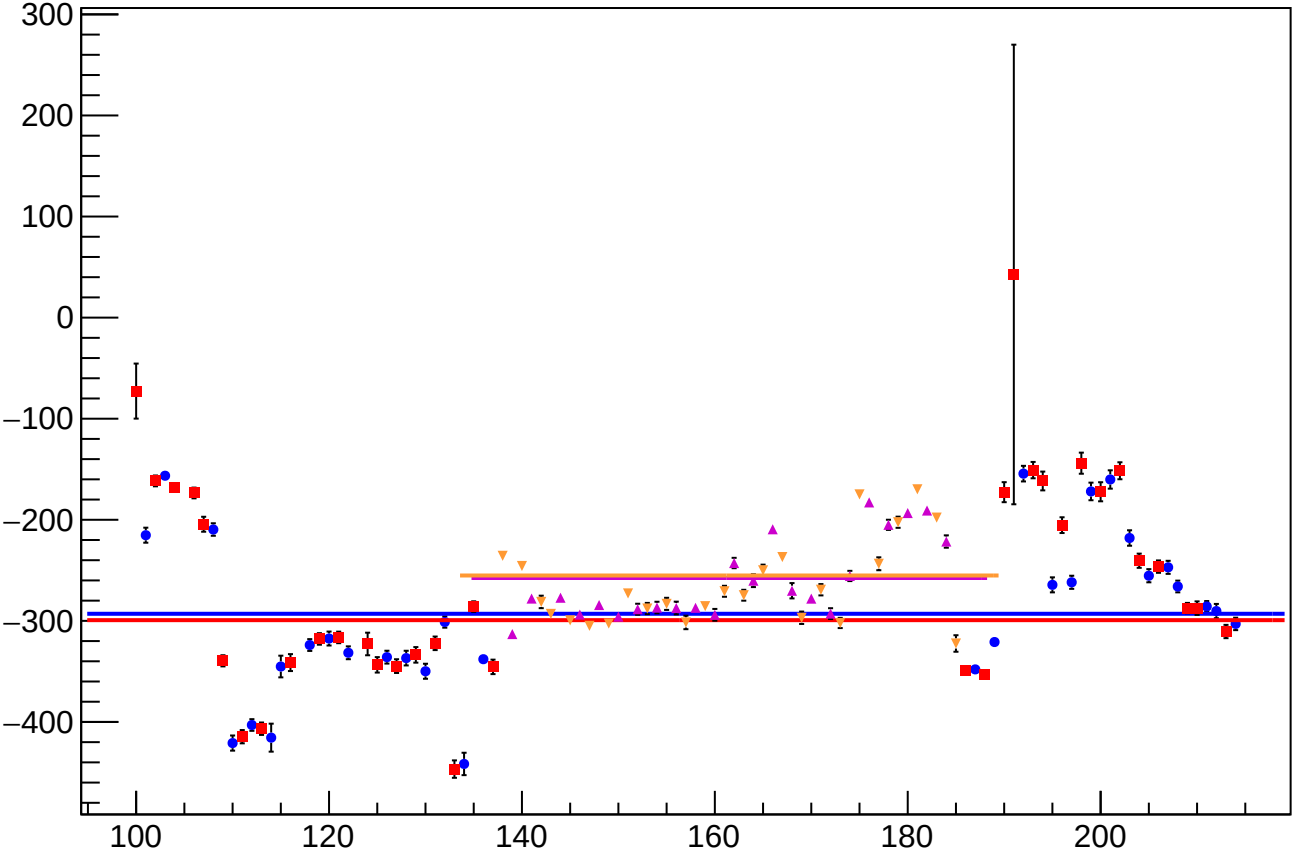
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

\+ sign 1.925+/-0.616 χ^2/NDF: 1707.3/54

All: 1.701+/-0.436 χ^2/NDF: 3454.3/111

\- sign 1.475+/-0.618 χ^2/NDF: 1746.7/56

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.996+/-1.092 χ^2/NDF: 4106.0/29

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.309+/-0.953 χ^2/NDF: 6714.5/33

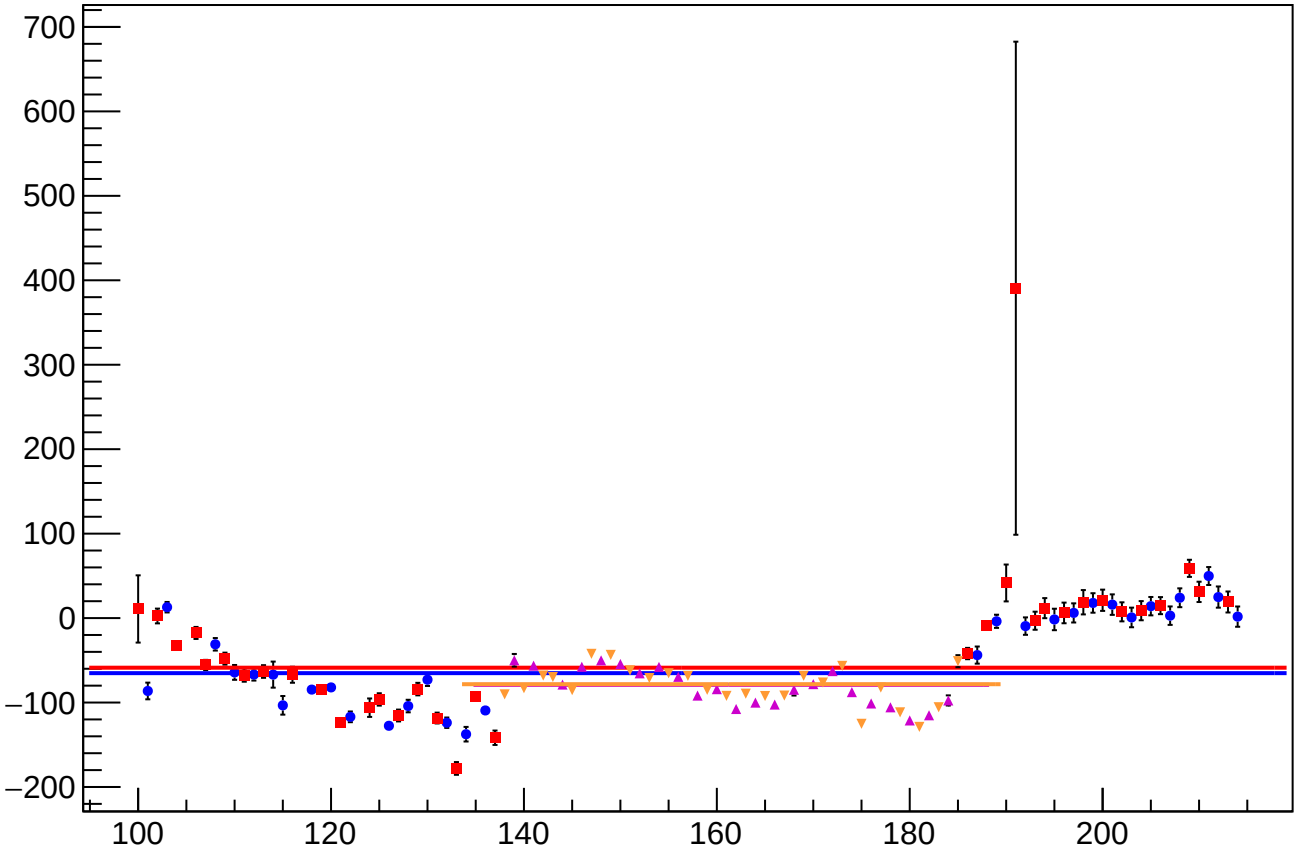
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.569+/-0.719 χ^2/NDF: 7132.0/54

All: -275.543+/-0.496 χ^2/NDF: 16639.3/111

- sign -279.146+/-0.685 χ^2/NDF: 9449.1/56

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -65.195+/-1.438 χ^2/NDF: 1348.7/29

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -58.739+/-1.341 χ^2/NDF: 1528.2/33

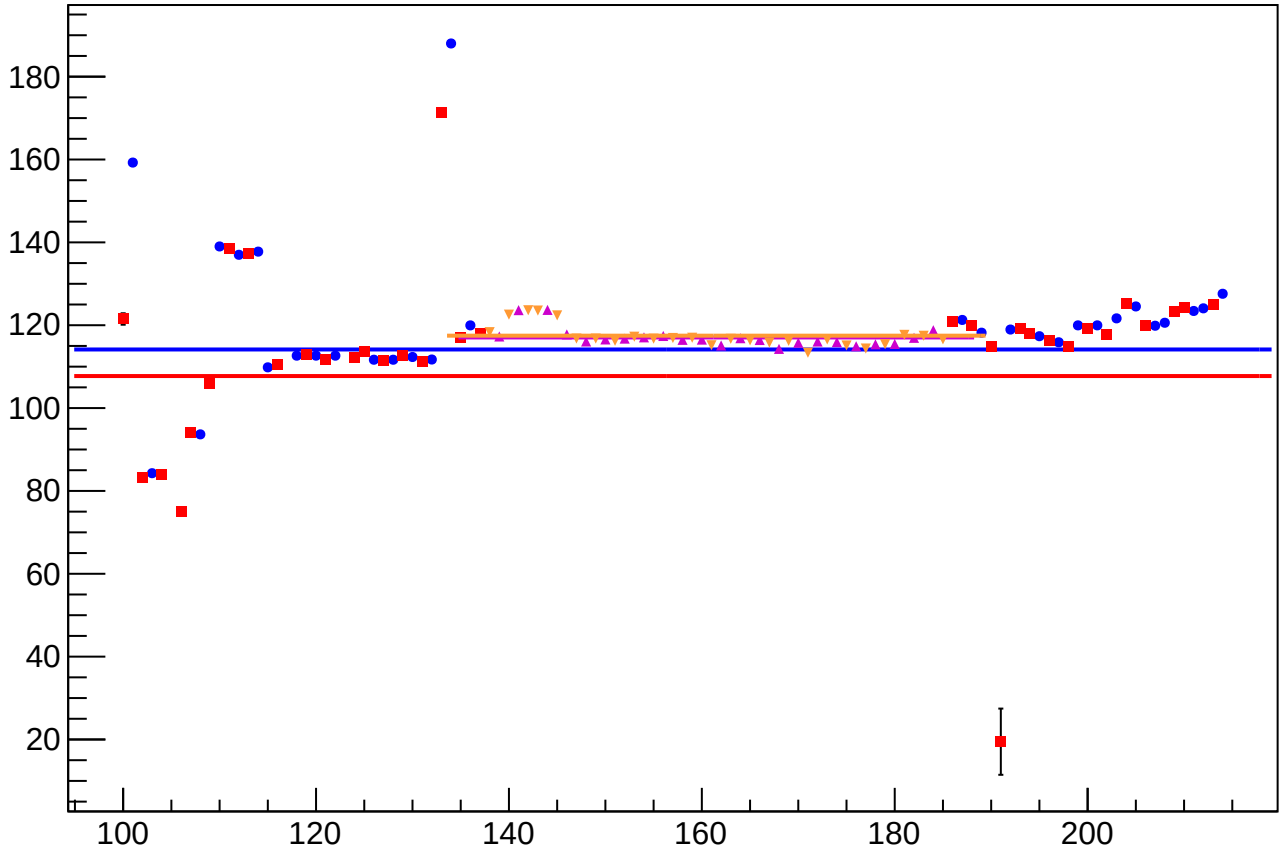
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -75.087+/-0.712 χ^2/NDF: 2279.5/54

All: -74.178+/-0.505 χ^2/NDF: 4677.7/111

- sign -73.253+/-0.717 χ^2/NDF: 2394.9/56

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.145+/-0.068 χ^2/NDF: 88537.4/29

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.730+/-0.064 χ^2/NDF: 81893.1/33

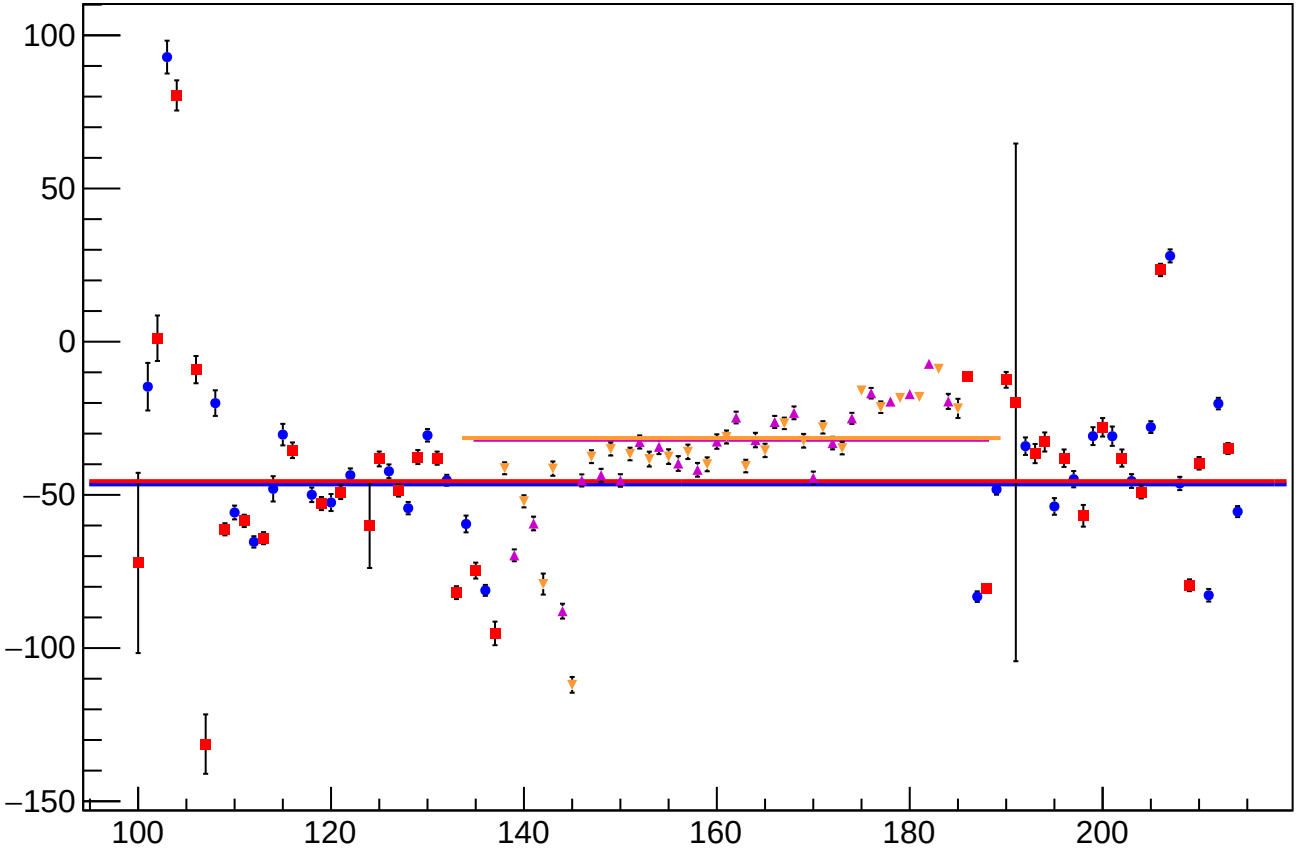
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.687+/-0.033 χ^2/NDF: 95098.0/54

All: 115.633+/-0.023 χ^2/NDF: 197730.9/111

- sign 114.584+/-0.033 χ^2/NDF: 100621.3/56

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.573+/-0.419 χ^2/NDF: 3738.0/29

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.519+/-0.386 χ^2/NDF: 5742.5/33

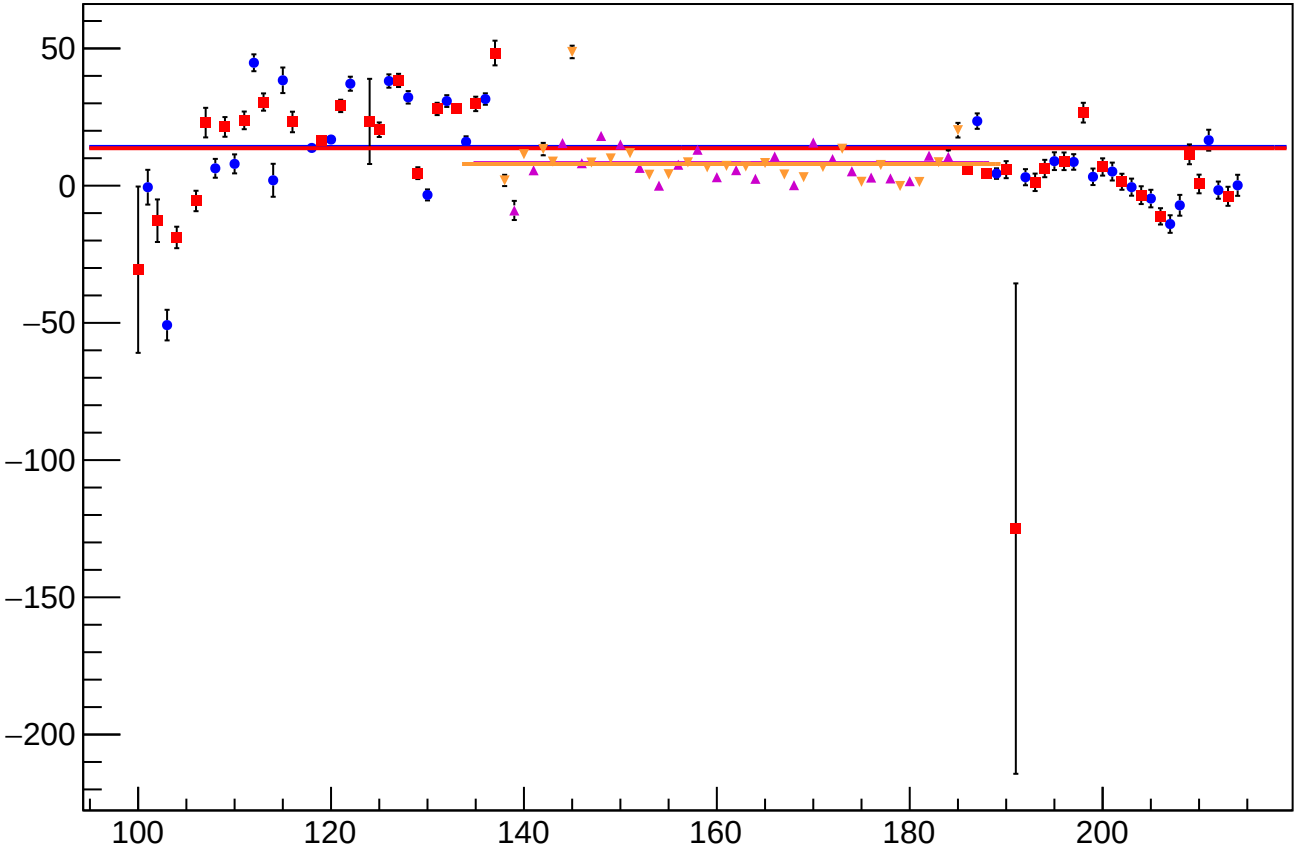
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.642+/-0.289 χ^2/NDF: 6413.5/54

All: -38.909+/-0.201 χ^2/NDF: 14647.6/111

- sign -39.160+/-0.281 χ^2/NDF: 8232.4/56

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.116+/-0.487 χ^2/NDF: 1012.9/29

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.640+/-0.454 χ^2/NDF: 855.0/33

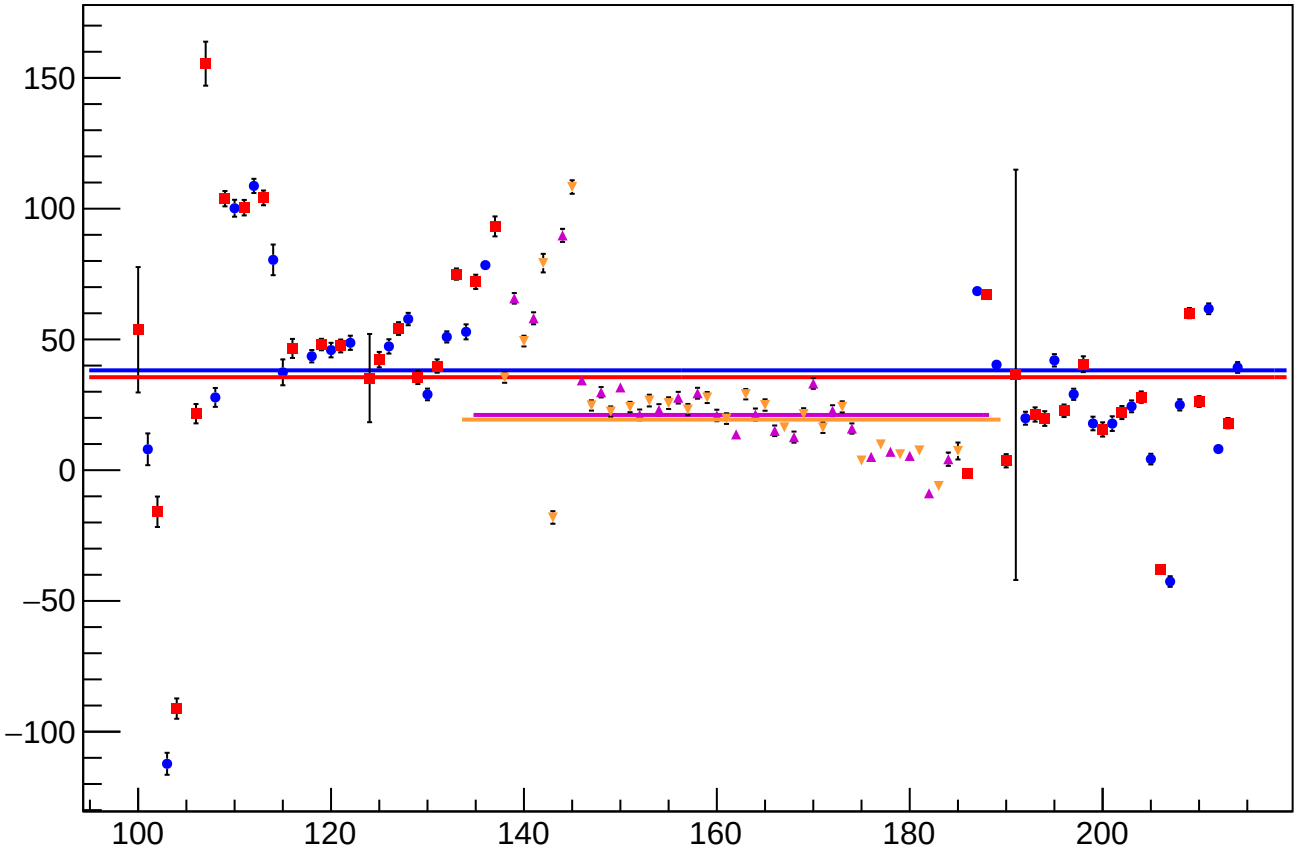
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.639+/-0.258 χ^2/NDF: 1620.7/54

All: 9.813+/-0.183 χ^2/NDF: 2911.4/111

- sign 9.988+/-0.259 χ^2/NDF: 1289.8/56

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 38.179+/-0.426 χ^2/NDF: 6056.5/29

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.559+/-0.373 χ^2/NDF: 9366.3/33

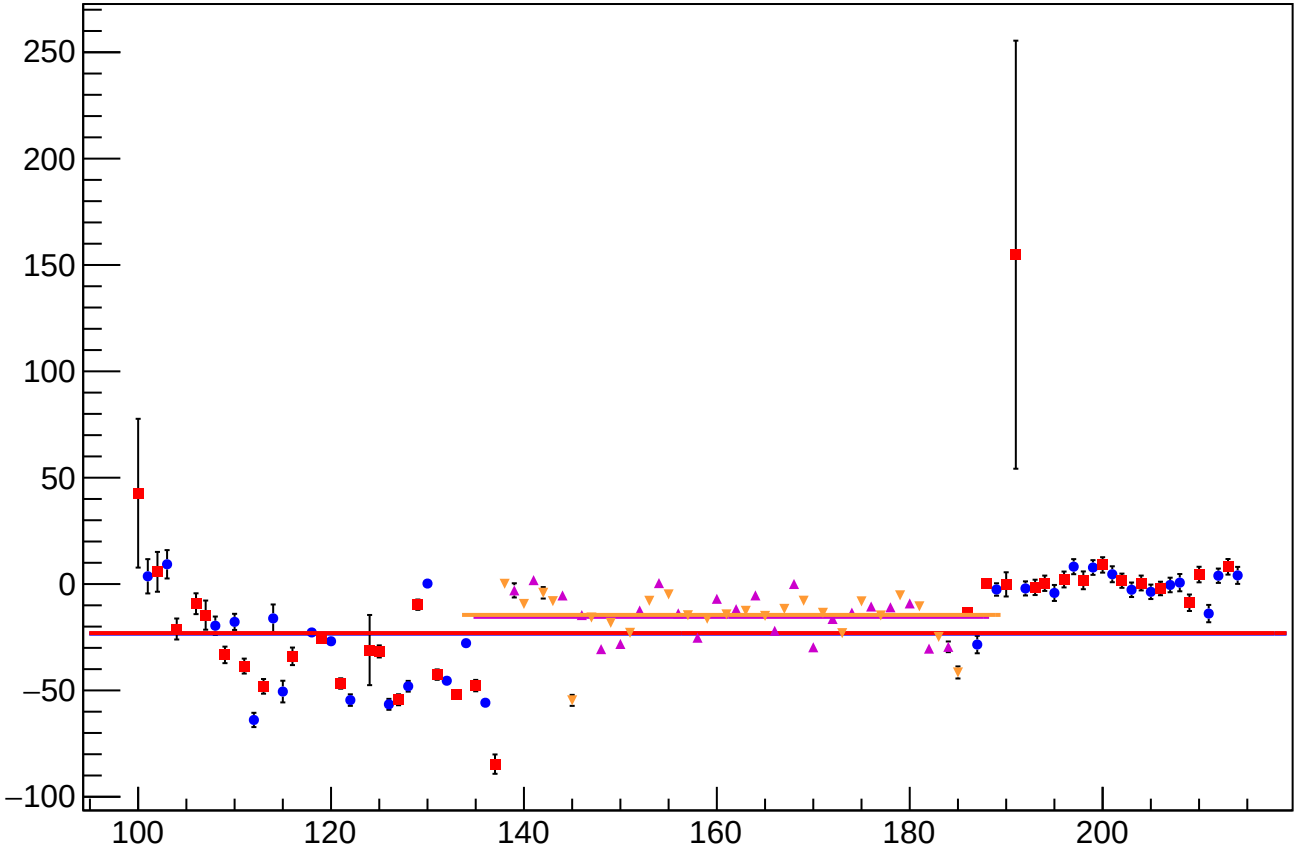
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

\+ sign 28.058+/-0.290 χ^2/NDF: 9788.6/54

All: 28.520+/-0.199 χ^2/NDF: 22352.6/111

\- sign 28.934+/-0.274 χ^2/NDF: 12559.2/56

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -23.308+/-0.564 χ^2/NDF: 1658.4/29

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -23.044+/-0.546 χ^2/NDF: 1656.7/33

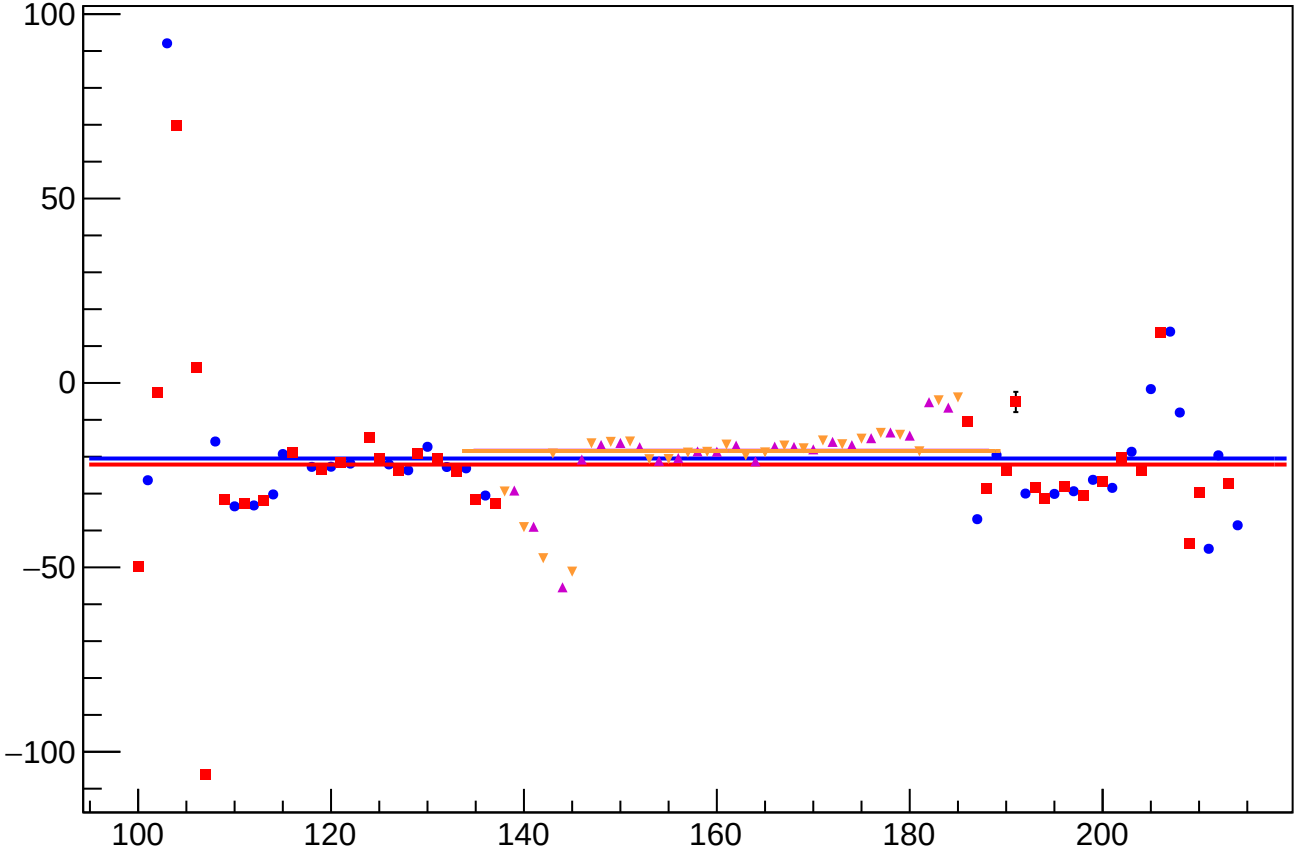
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.889+/-0.294 χ^2/NDF: 2477.1/54

All: -17.281+/-0.209 χ^2/NDF: 5073.2/111

- sign -17.685+/-0.298 χ^2/NDF: 2592.5/56

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.485+/-0.027 χ^2/NDF: 579420.5/29

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.123+/-0.027 χ^2/NDF: 483954.1/33

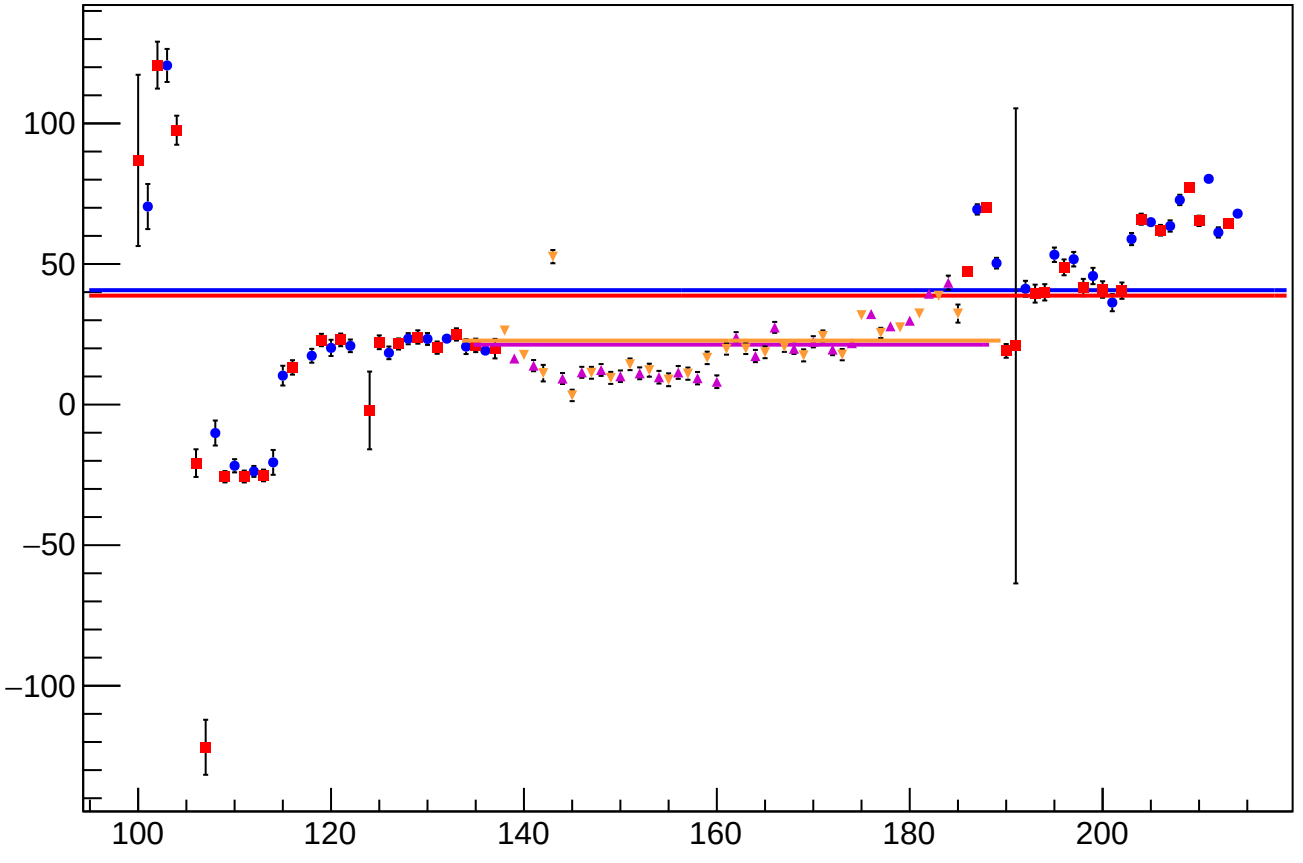
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -18.944+/-0.013 χ^2/NDF: 878979.8/54

All: -19.134+/-0.010 χ^2/NDF: 1627715.5/111

- sign -19.328+/-0.014 χ^2/NDF: 748333.7/56

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 40.692+/-0.408 χ^2/NDF: 5154.0/29

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 38.759+/-0.390 χ^2/NDF: 6456.4/33

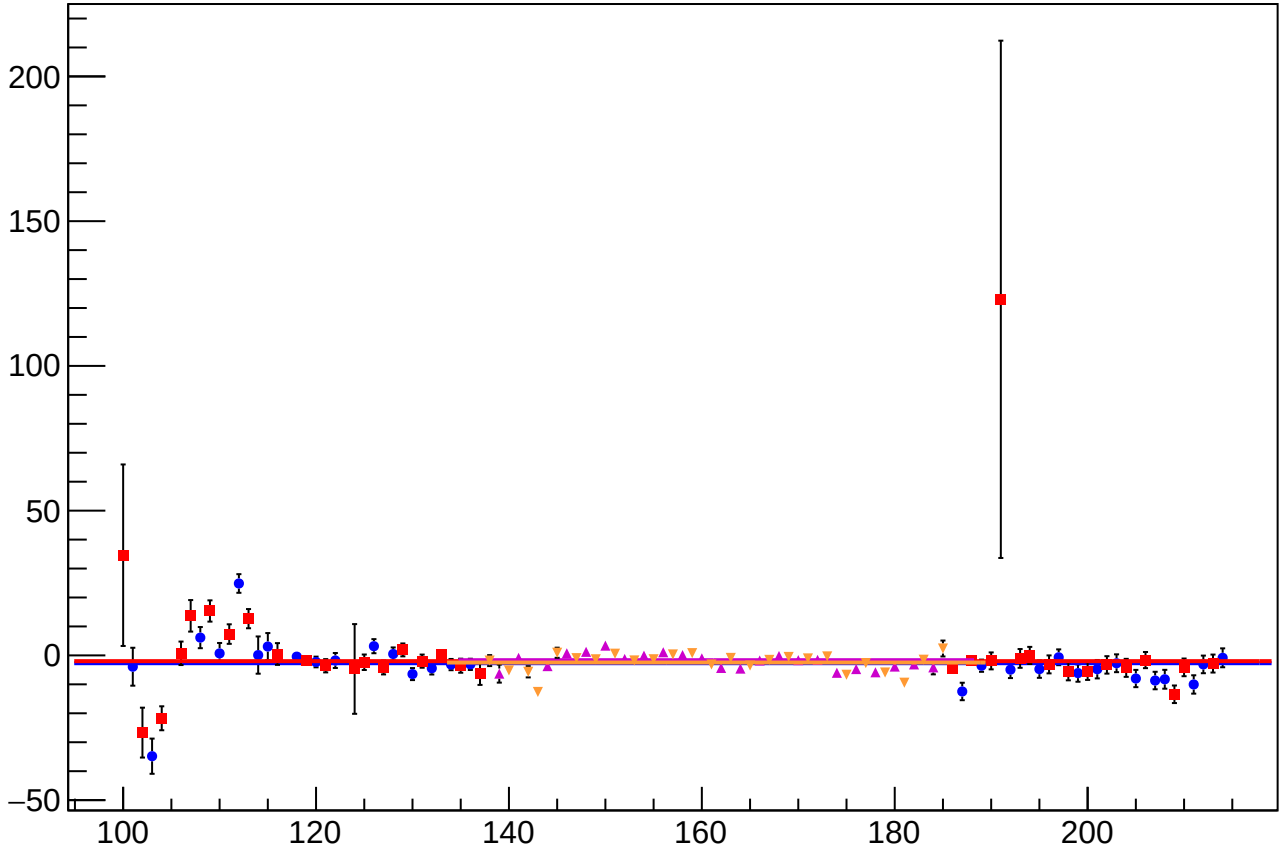
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

\+ sign 31.149+/-0.279 χ^2/NDF: 6903.2/54

All: 30.622+/-0.197 χ^2/NDF: 14988.8/111

\- sign 30.104+/-0.277 χ^2/NDF: 8078.5/56

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.699+/-0.486 χ^2/NDF: 153.6/29

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.988+/-0.465 χ^2/NDF: 121.7/33

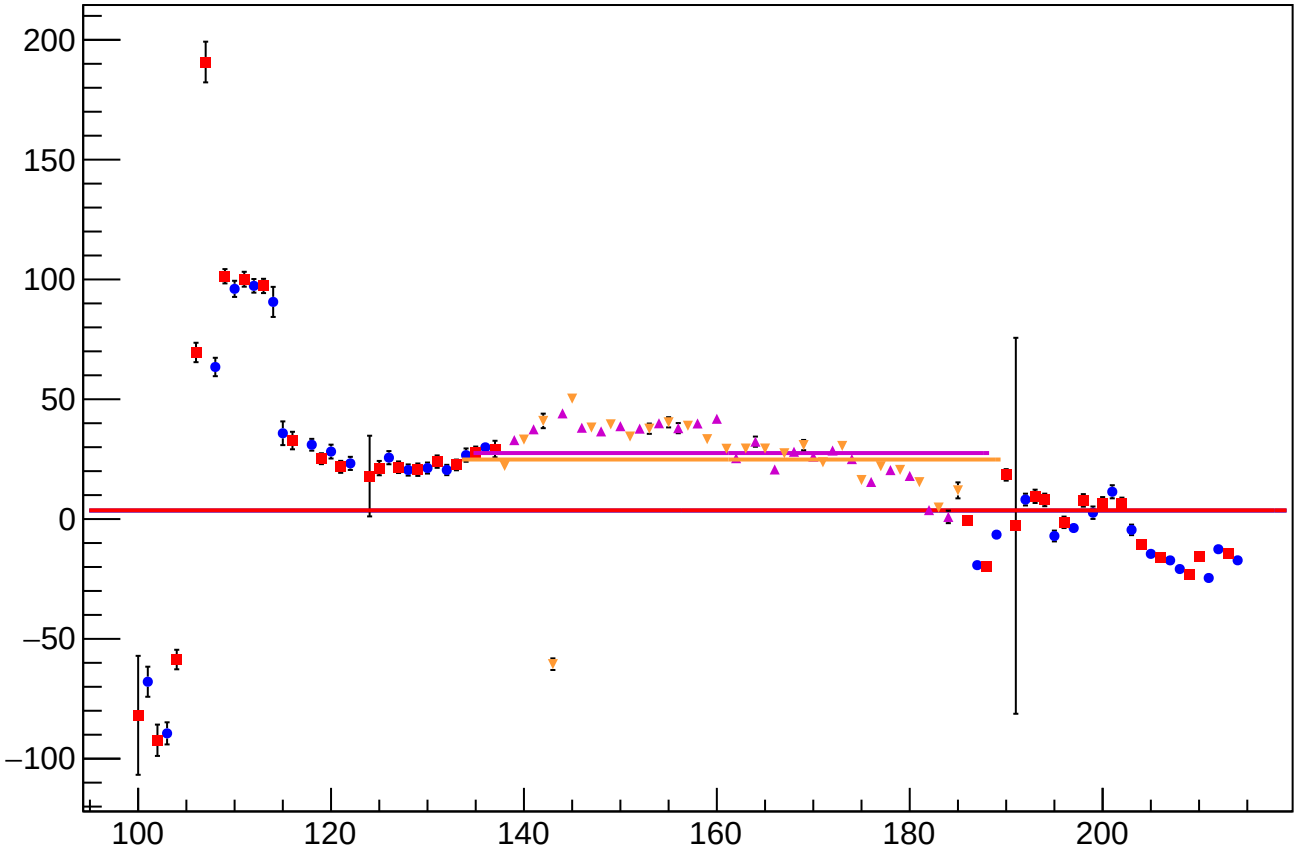
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.530+/-0.251 χ^2/NDF: 270.5/54

All: -2.149+/-0.179 χ^2/NDF: 467.5/111

- sign -1.758+/-0.255 χ^2/NDF: 192.3/56

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 3.542+/-0.417 χ^2/NDF: 4857.3/29

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 3.648+/-0.383 χ^2/NDF: 6304.7/33

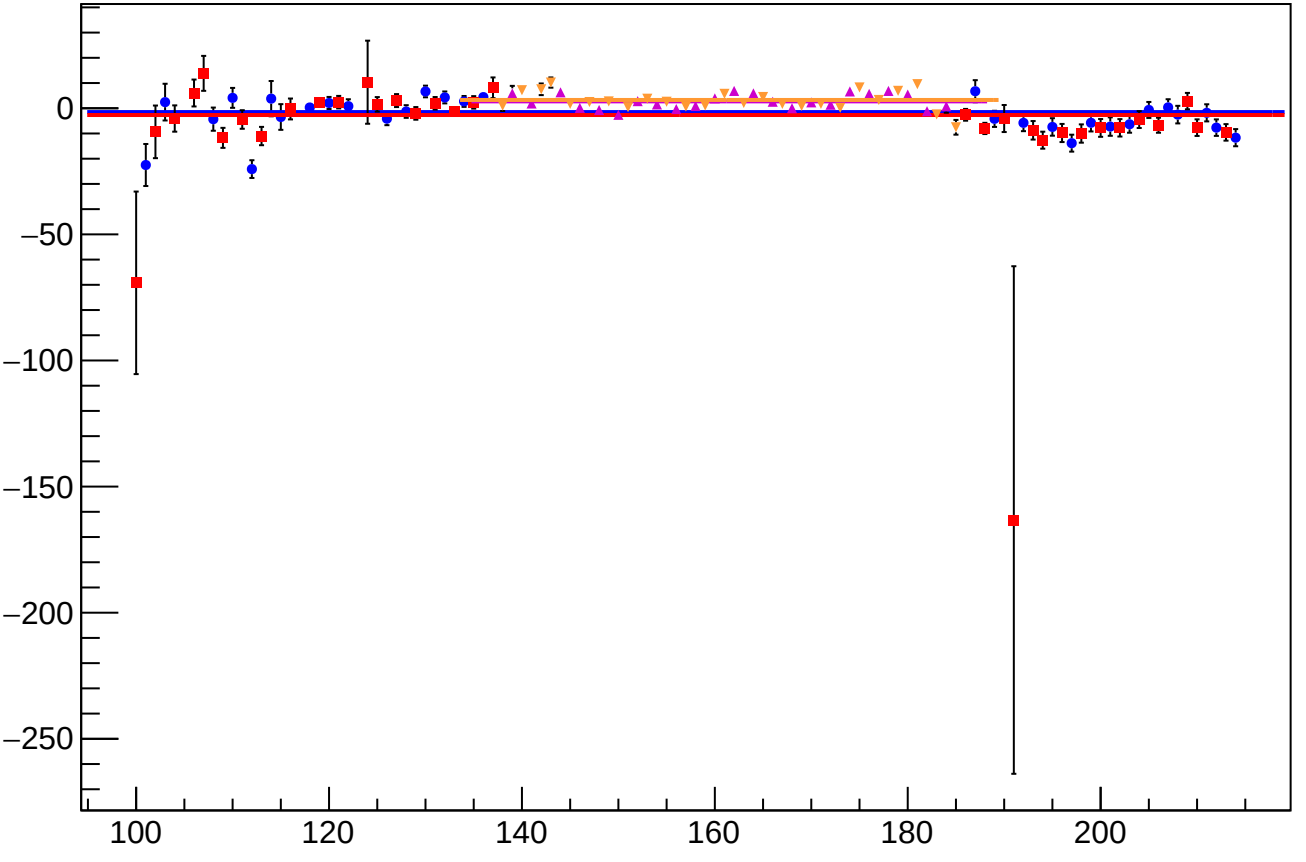
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

+ sign 15.193+/-0.281 χ^2/NDF: 8332.8/54

All: 15.304+/-0.196 χ^2/NDF: 17438.7/111

- sign 15.410+/-0.273 χ^2/NDF: 9105.6/56

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.516+/-0.557 χ^2/NDF: 129.1/29

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.679+/-0.552 χ^2/NDF: 100.9/33

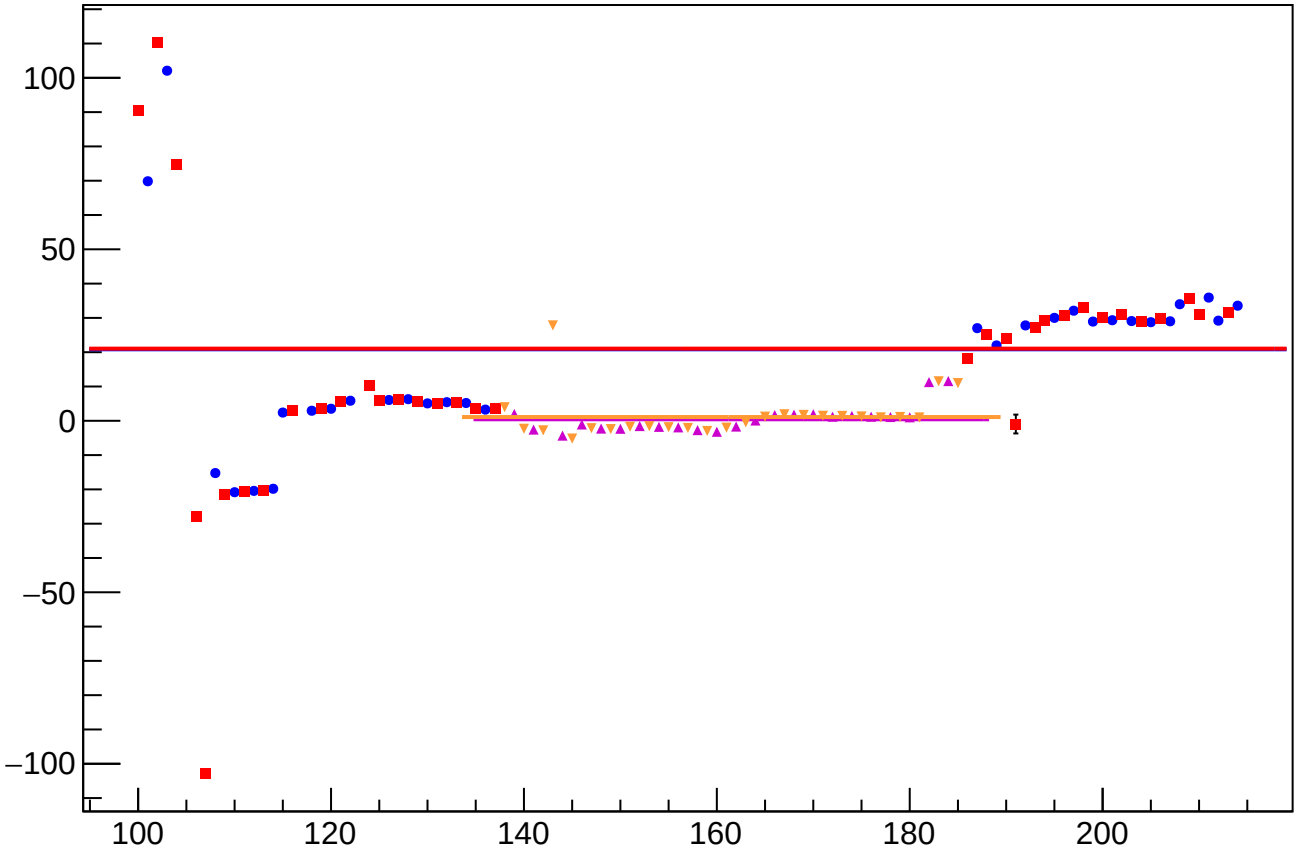
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.033+/-0.285 χ^2/NDF: 290.2/54

All: 1.639+/-0.203 χ^2/NDF: 538.9/111

- sign 1.229+/-0.291 χ^2/NDF: 244.8/56

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 20.847+/-0.027 χ^2/NDF: 501824.9/29

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.037+/-0.027 χ^2/NDF: 642931.0/33

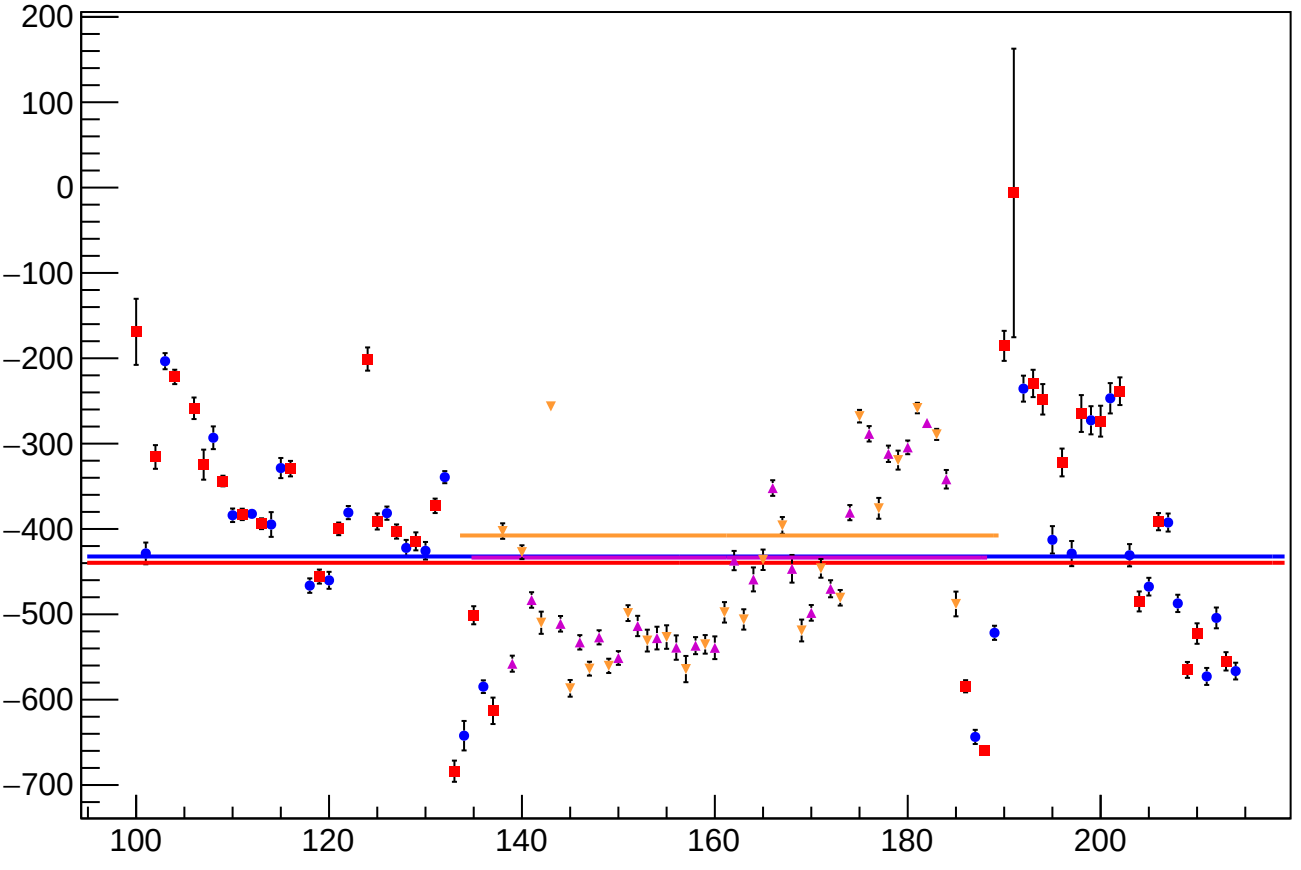
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 5.795+/-0.013 χ^2/NDF: 1052357.6/54

All: 5.628+/-0.009 χ^2/NDF: 2202834.9/111

- sign 5.458+/-0.013 χ^2/NDF: 1150144.0/56

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -432.236+/-1.797 χ^2/NDF: 3359.2/29

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -439.618+/-1.666 χ^2/NDF: 6719.4/33

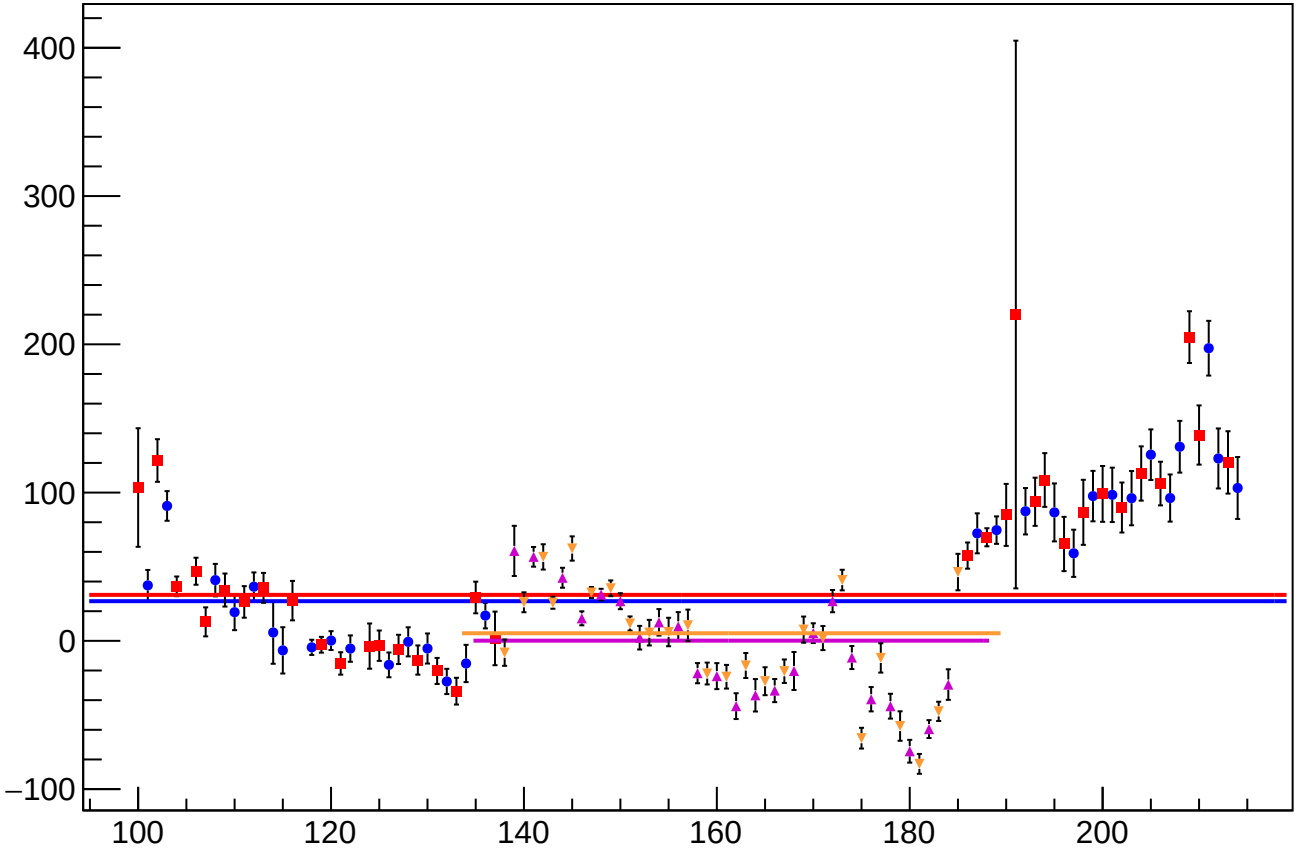
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -420.406+/-1.295 χ^2/NDF: 7455.1/54

All: -428.869+/-0.910 χ^2/NDF: 16988.8/111

- sign -437.114+/-1.278 χ^2/NDF: 9449.4/56

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 26.756+/-1.998 χ^2/NDF: 539.0/29

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 31.005+/-1.879 χ^2/NDF: 585.0/33

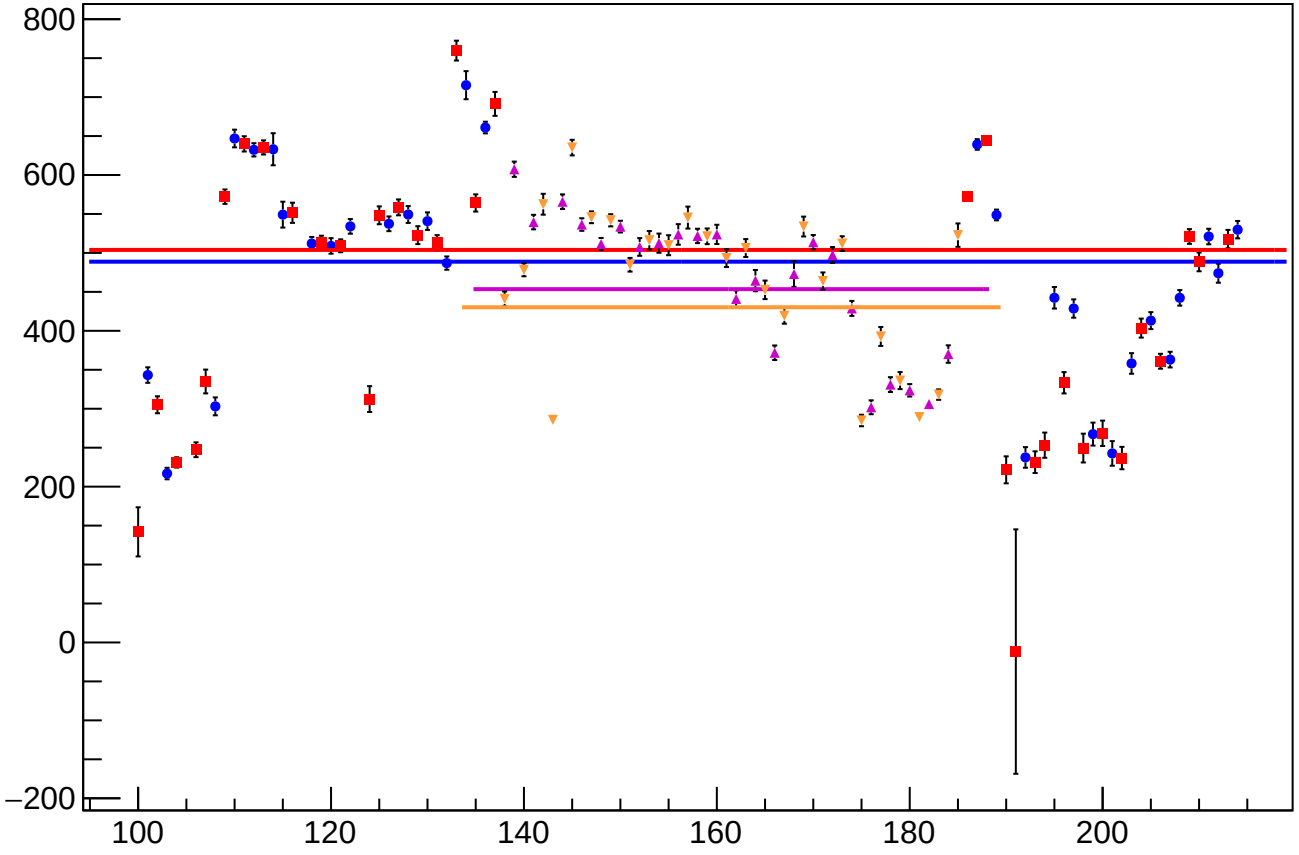
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.104+/-1.135 χ^2/NDF: 1307.6/54

All: 12.071+/-0.814 χ^2/NDF: 2627.1/111

- sign 12.035+/-1.167 χ^2/NDF: 1319.4/56

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 488.746+/-1.860 χ^2/NDF: 4941.2/29

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.831+/-1.673 χ^2/NDF: 8073.3/33

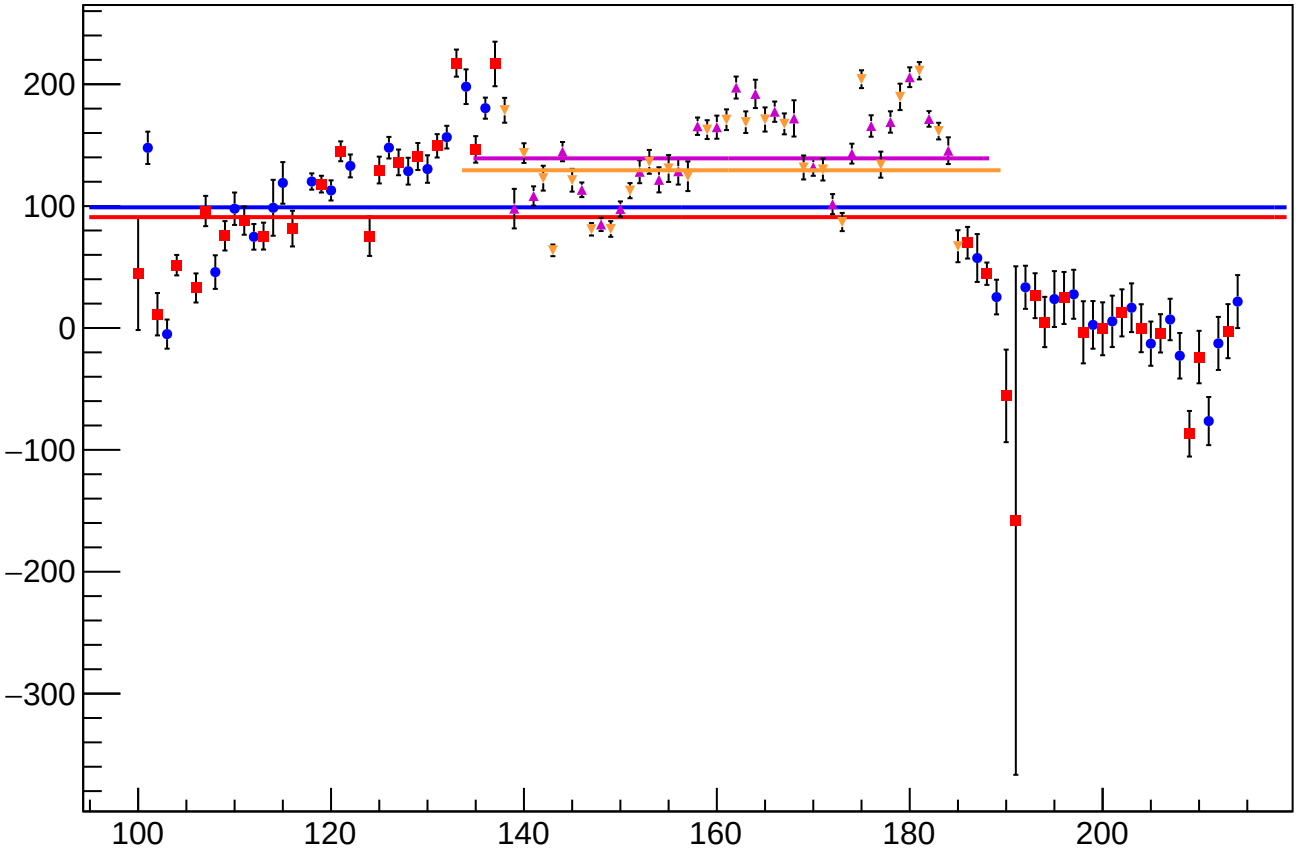
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.503+/-1.316 χ^2/NDF: 8840.6/54

All: 471.496+/-0.916 χ^2/NDF: 19873.3/111

- sign 482.783+/-1.276 χ^2/NDF: 10871.4/56

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 99.007+/-2.334 χ^2/NDF: 714.3/29

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 90.949+/-2.233 χ^2/NDF: 749.3/33

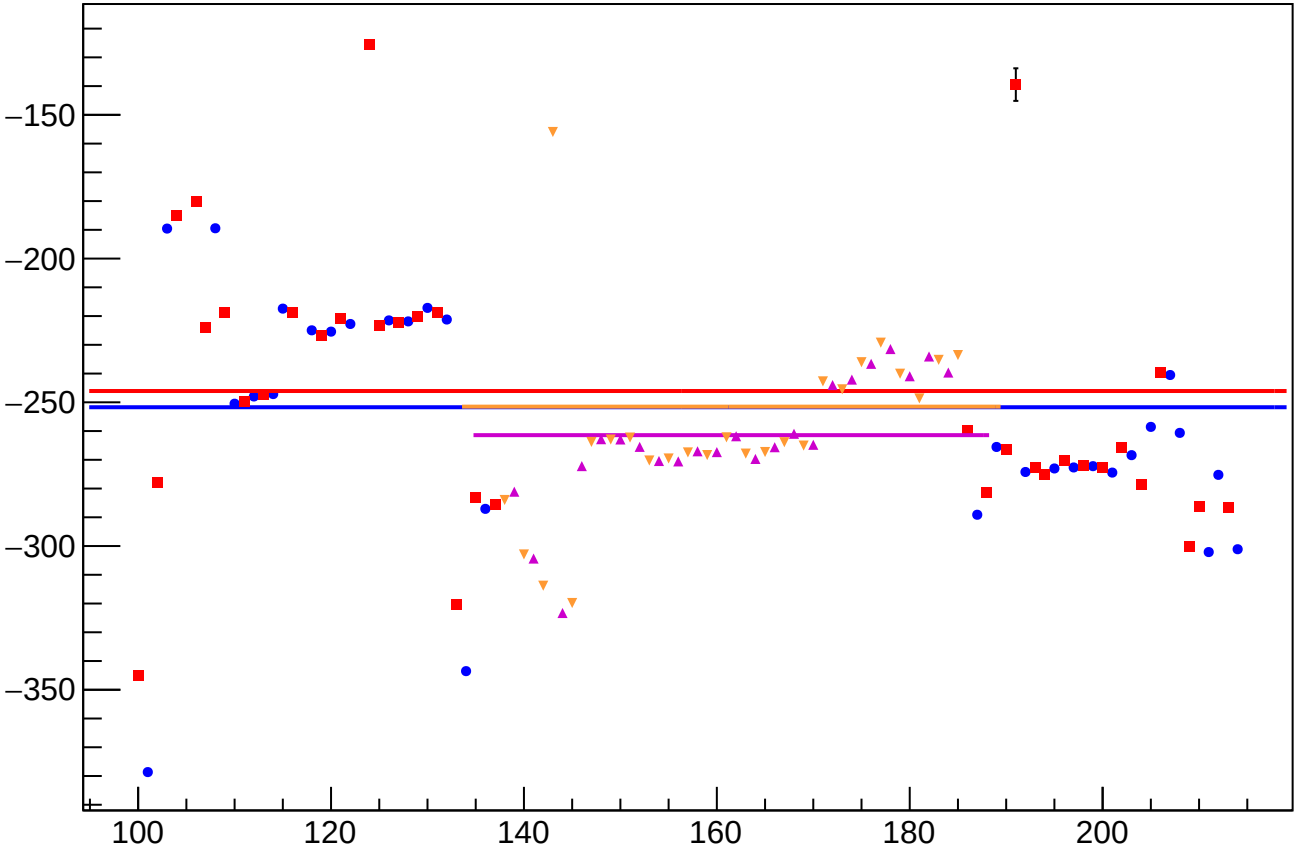
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

\+ sign 119.758+/-1.316 χ^2/NDF: 1644.4/54

All: 120.561+/-0.944 χ^2/NDF: 3123.0/111

\- sign 121.412+/-1.355 χ^2/NDF: 1477.9/56

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -251.716+/-0.119 χ^2/NDF: 153981.8/29

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -246.070+/-0.115 χ^2/NDF: 119665.5/33

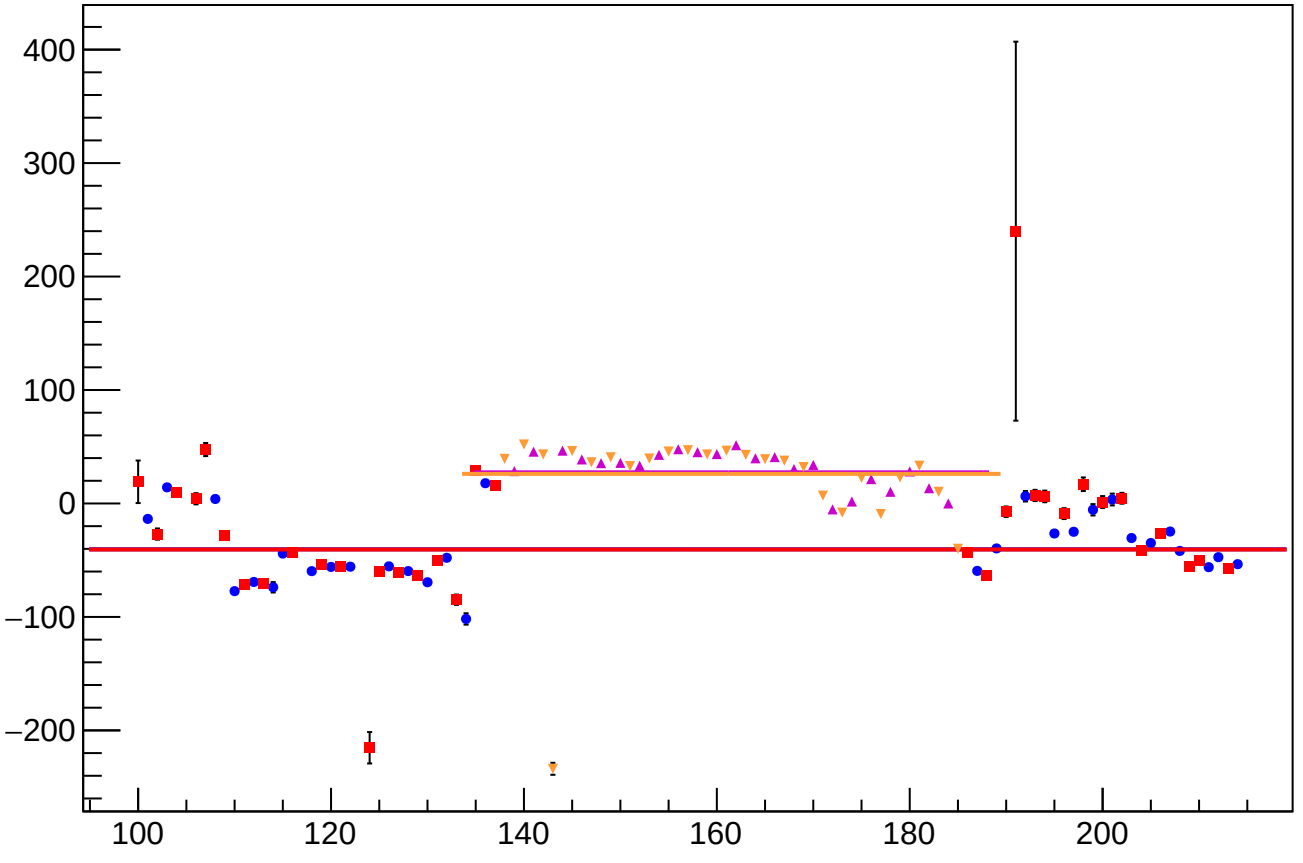
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.567+/-0.063 χ^2/NDF: 408908.4/54

All: -254.030+/-0.045 χ^2/NDF: 613459.7/111

- sign -256.598+/-0.064 χ^2/NDF: 201445.1/56

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -40.410+/-0.552 χ^2/NDF: 2815.3/29

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -40.556+/-0.507 χ^2/NDF: 3350.4/33

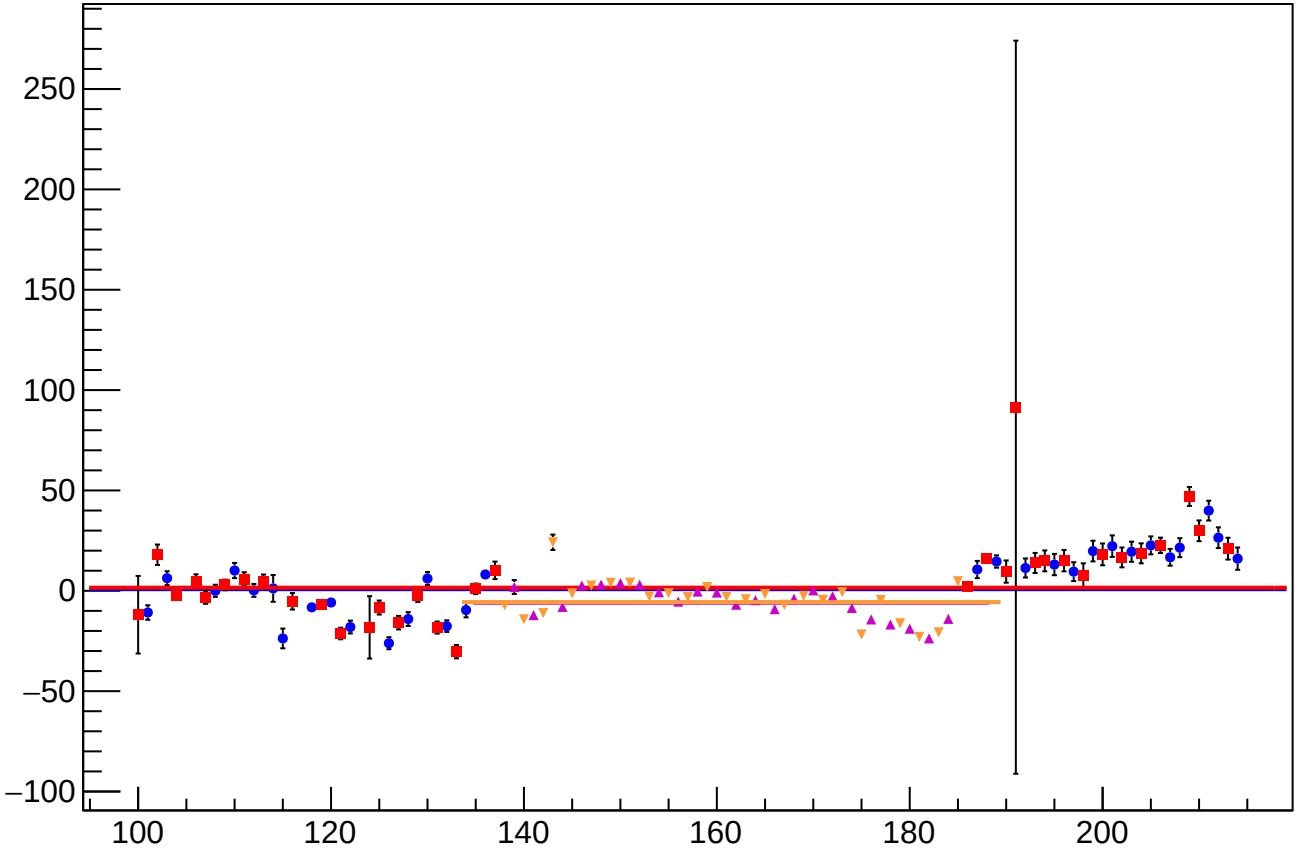
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 3.965+/-0.318 χ^2/NDF: 17287.3/54

All: 2.824+/-0.223 χ^2/NDF: 33448.7/111

- sign 1.727+/-0.312 χ^2/NDF: 16136.2/56

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 0.812+/-0.642 χ^2/NDF: 506.3/29

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.554+/-0.602 χ^2/NDF: 547.1/33

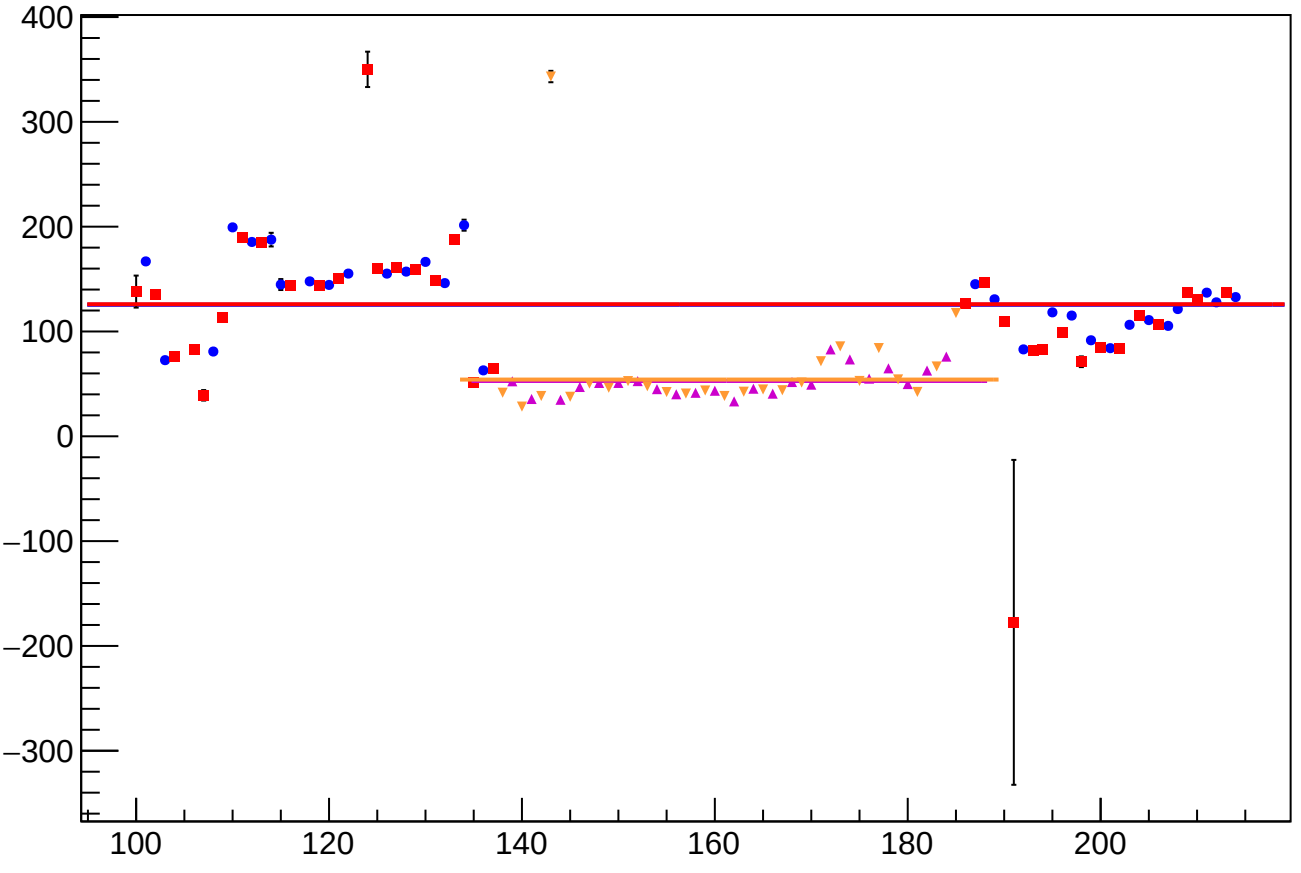
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -4.460+/-0.273 χ^2/NDF: 1481.9/54

All: -4.419+/-0.194 χ^2/NDF: 2863.8/111

\- sign -4.378+/-0.275 χ^2/NDF: 1381.9/56

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.473+/-0.568 χ^2/NDF: 4141.5/29

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.009+/-0.512 χ^2/NDF: 4455.7/33

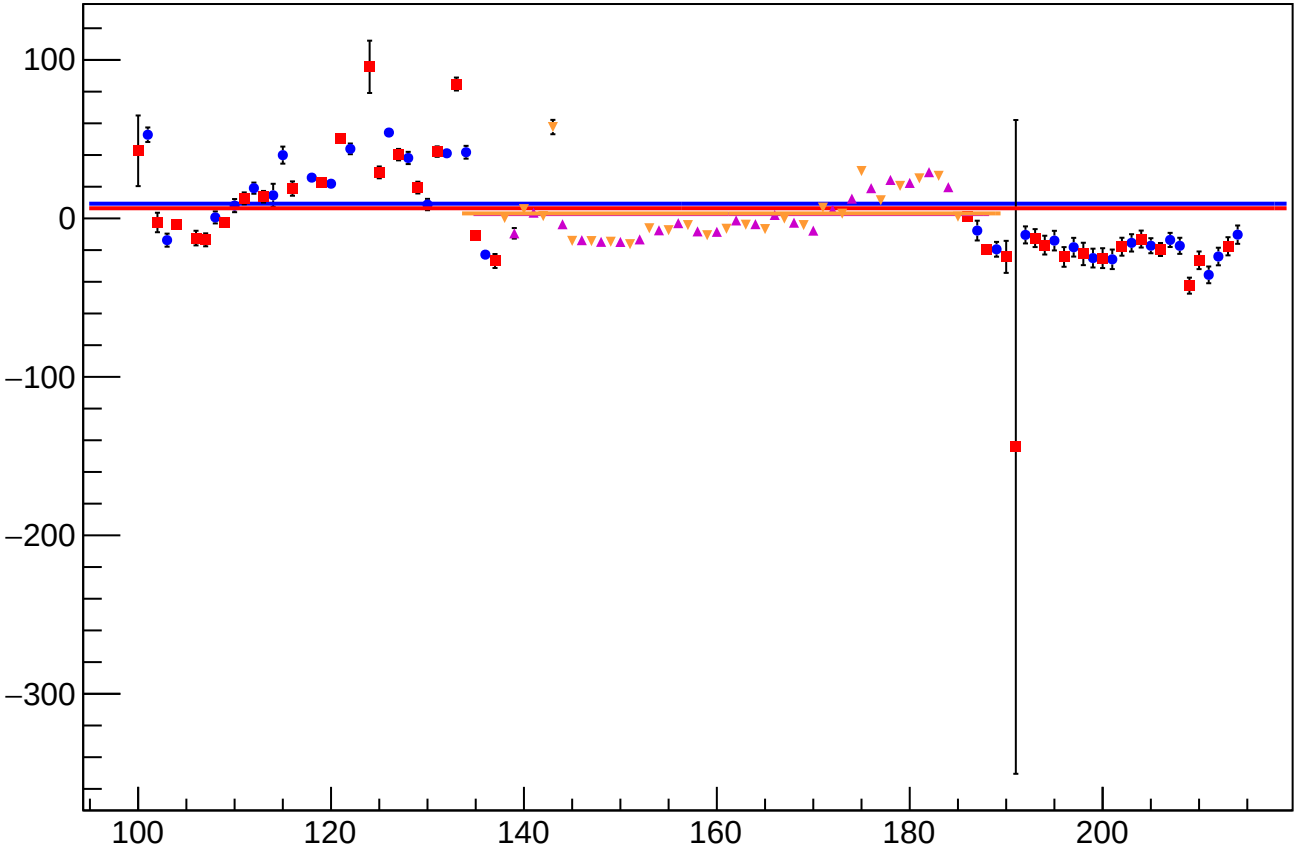
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 76.777+/-0.320 χ^2/NDF: 19510.5/54

All: 78.393+/-0.223 χ^2/NDF: 37879.2/111

- sign 79.924+/-0.311 χ^2/NDF: 18319.0/56

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 9.288+/-0.739 χ^2/NDF: 1372.0/29

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 6.398+/-0.711 χ^2/NDF: 1467.8/33

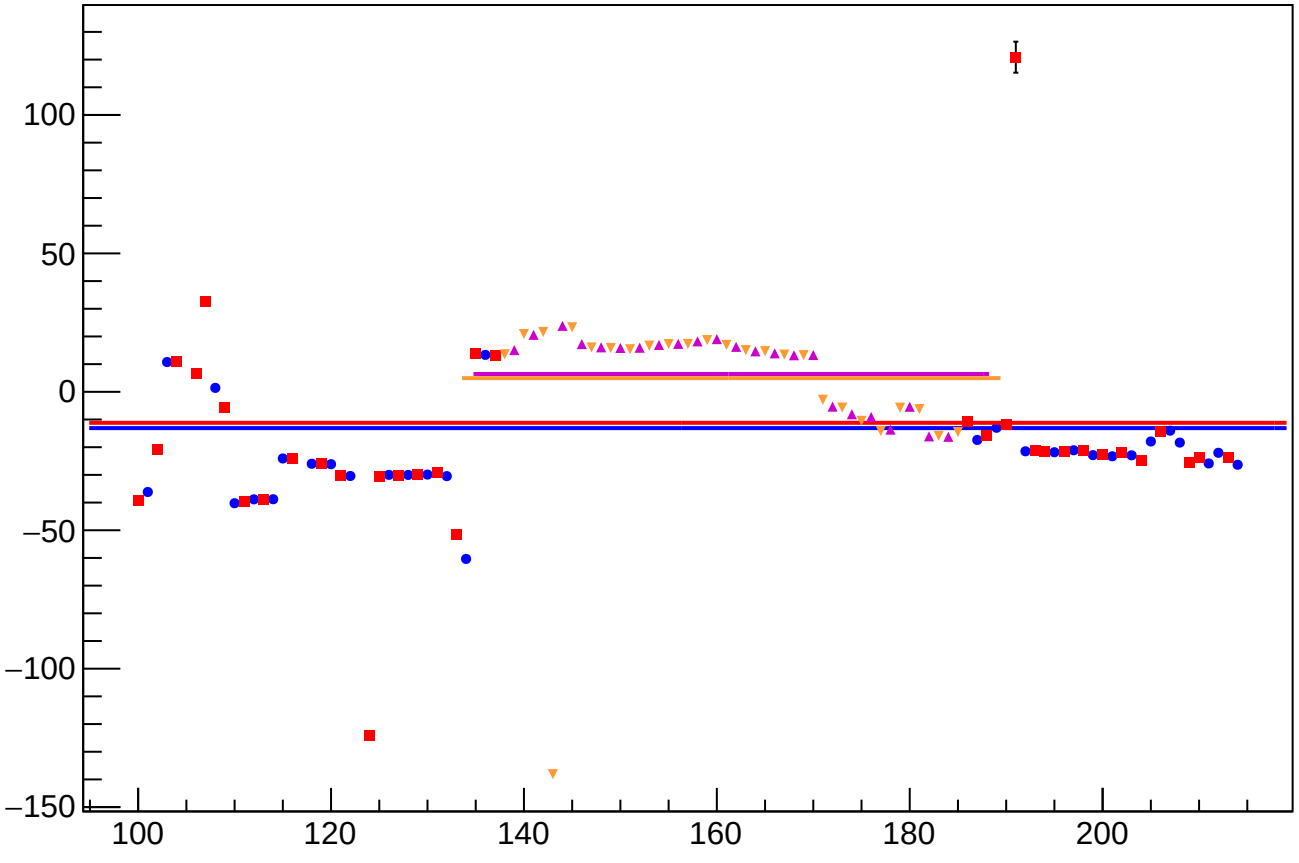
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 4.226+/-0.309 χ^2/NDF: 3441.2/54

All: 3.831+/-0.219 χ^2/NDF: 6669.1/111

\- sign 3.428+/-0.312 χ^2/NDF: 3224.5/56

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.109+/-0.035 χ^2/NDF: 302307.1/29

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.188+/-0.035 χ^2/NDF: 282502.1/33

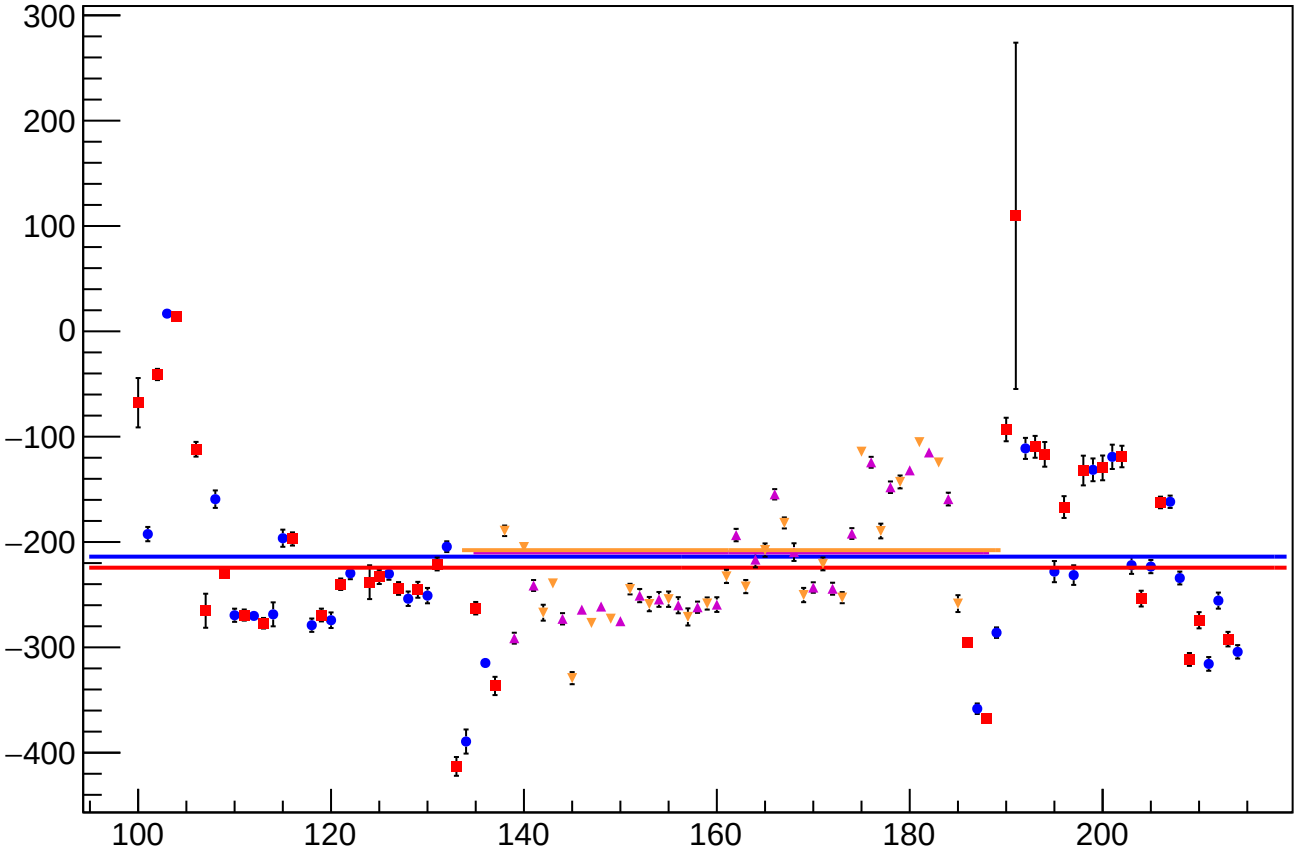
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

\+ sign 2.094+/-0.014 χ^2/NDF: 1661164.0/54

All: 2.844+/-0.010 χ^2/NDF: 2892044.0/111

\- sign 3.604+/-0.014 χ^2/NDF: 1225065.1/56

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -213.890+/-1.128 χ^2/NDF: 9326.3/29

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -224.368+/-1.050 χ^2/NDF: 12664.1/33

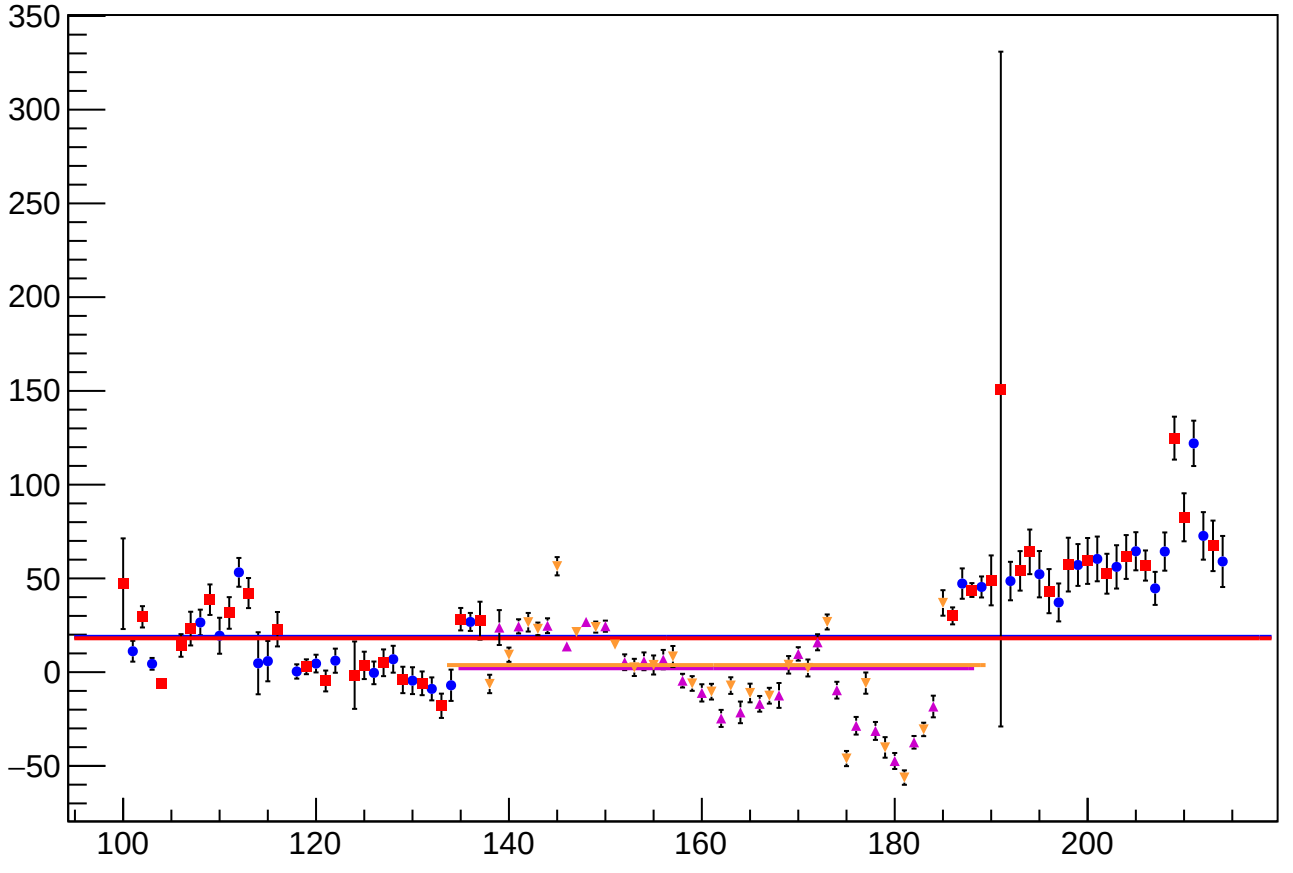
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -210.653+/-0.776 χ^2/NDF: 12829.1/54

All: -214.133+/-0.543 χ^2/NDF: 28635.1/111

- sign -217.467+/-0.760 χ^2/NDF: 15766.7/56

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.839+/-1.260 χ^2/NDF: 375.6/29

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.057+/-1.149 χ^2/NDF: 508.1/33

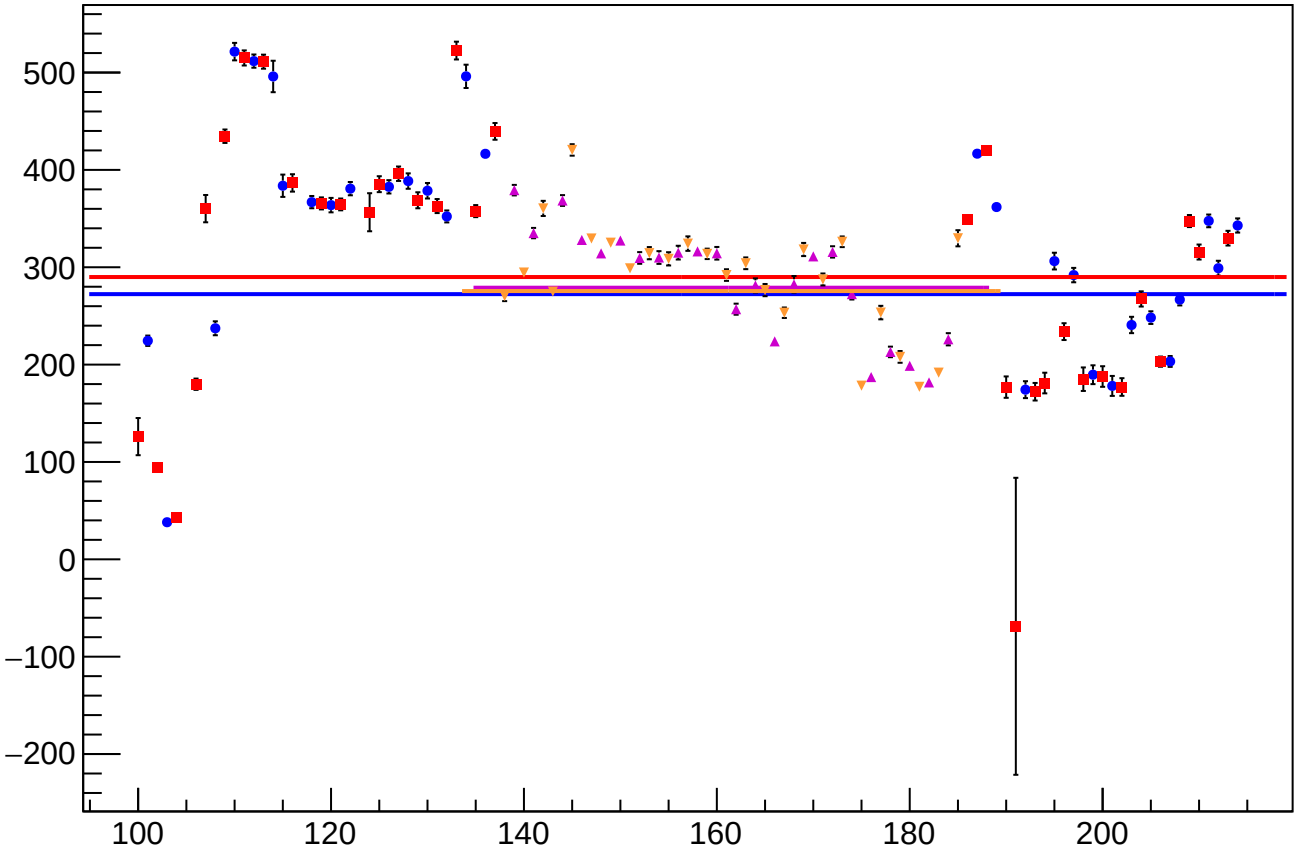
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.000+/-0.668 χ^2/NDF: 1450.6/54

All: 7.736+/-0.472 χ^2/NDF: 2857.4/111

- sign 7.473+/-0.667 χ^2/NDF: 1406.4/56

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 272.384+/-1.095 χ^2/NDF: 18001.9/29

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 289.952+/-0.989 χ^2/NDF: 22291.1/33

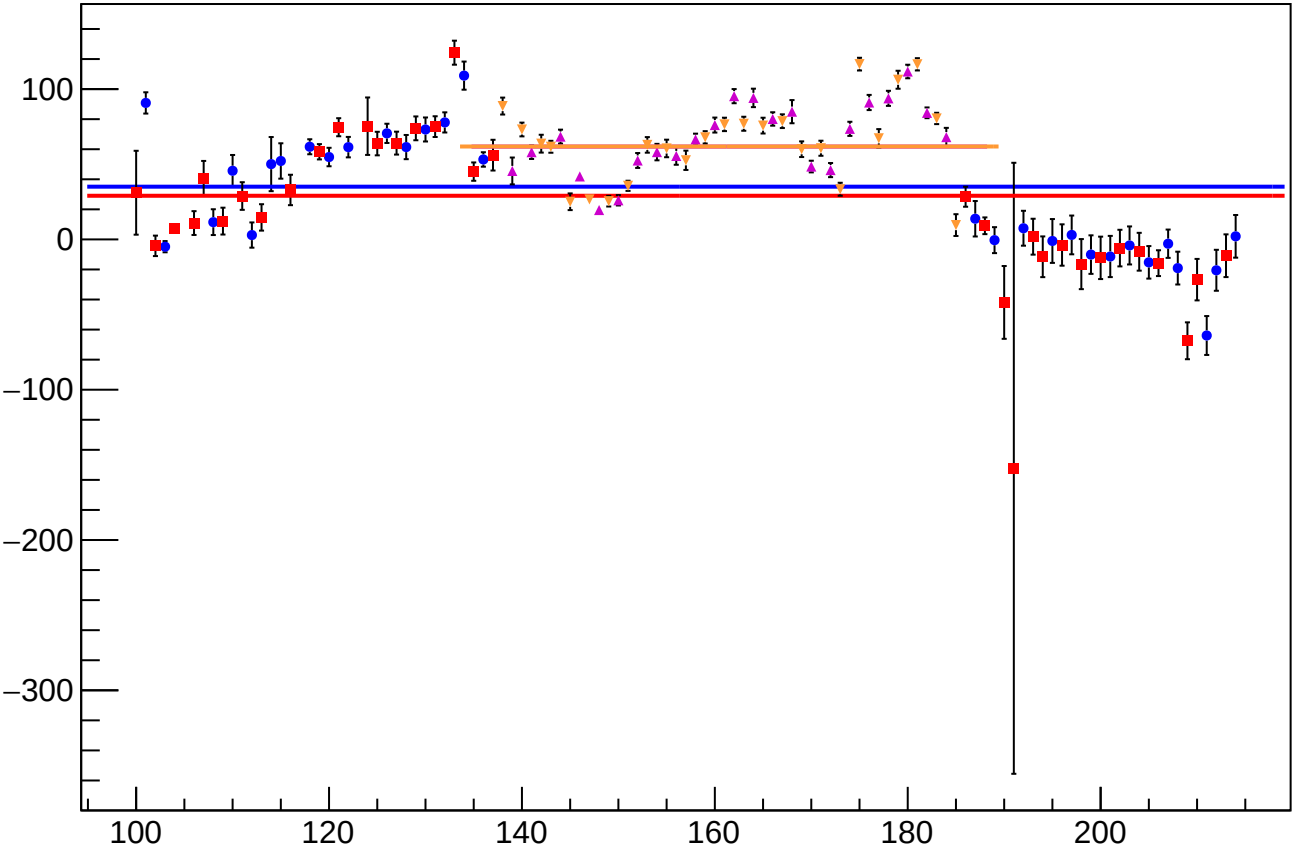
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 274.008+/-0.762 χ^2/NDF: 21329.3/54

All: 279.722+/-0.528 χ^2/NDF: 46898.7/111

- sign 284.995+/-0.732 χ^2/NDF: 25461.3/56

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 35.086+/-1.474 χ^2/NDF: 652.4/29

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 29.041+/-1.388 χ^2/NDF: 644.7/33

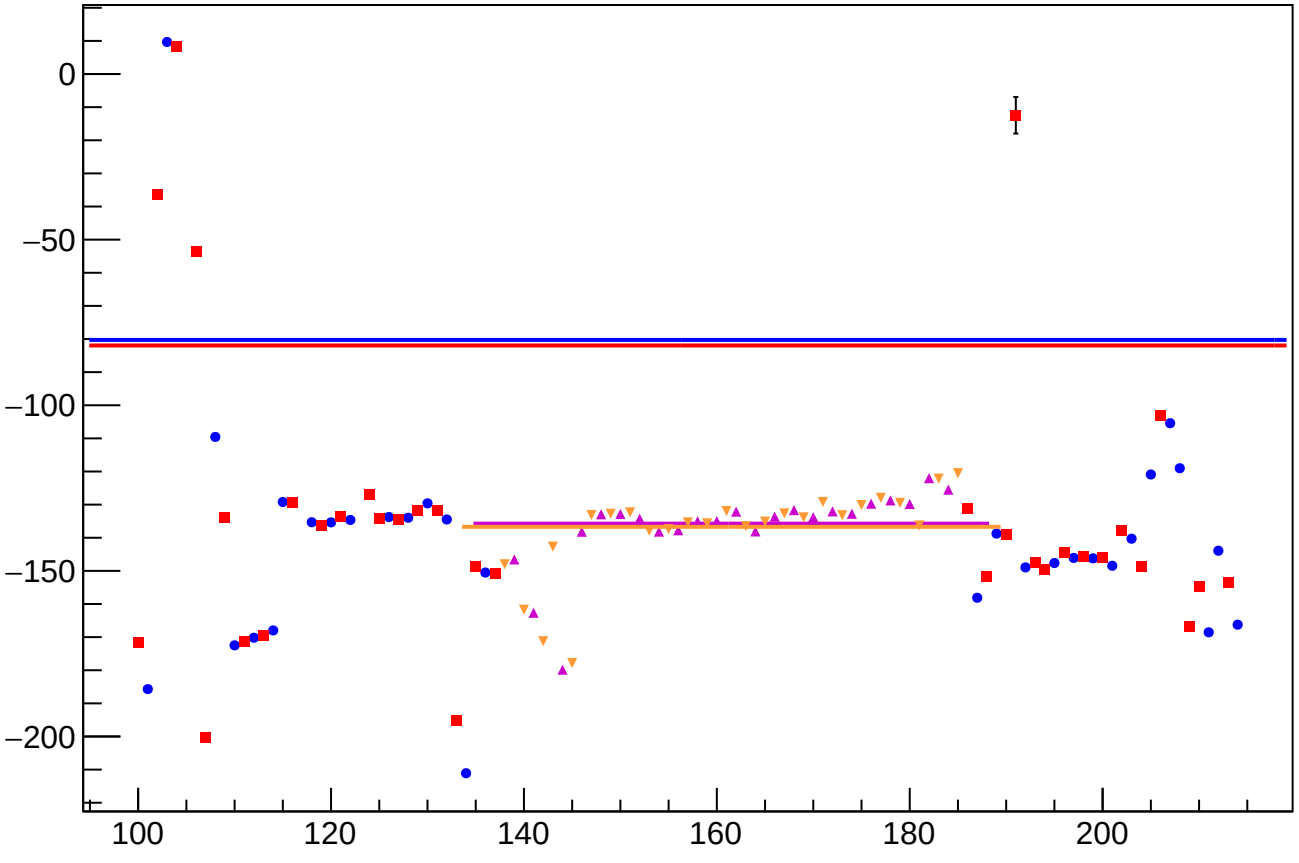
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

\+ sign 54.468+/-0.773 χ^2/NDF: 1850.5/54

All: 52.990+/-0.548 χ^2/NDF: 3620.0/111

\- sign 51.494+/-0.778 χ^2/NDF: 1762.1/56

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -80.269+/-0.062 χ^2/NDF: 1570367.3/29

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -81.950+/-0.062 χ^2/NDF: 1262681.2/33

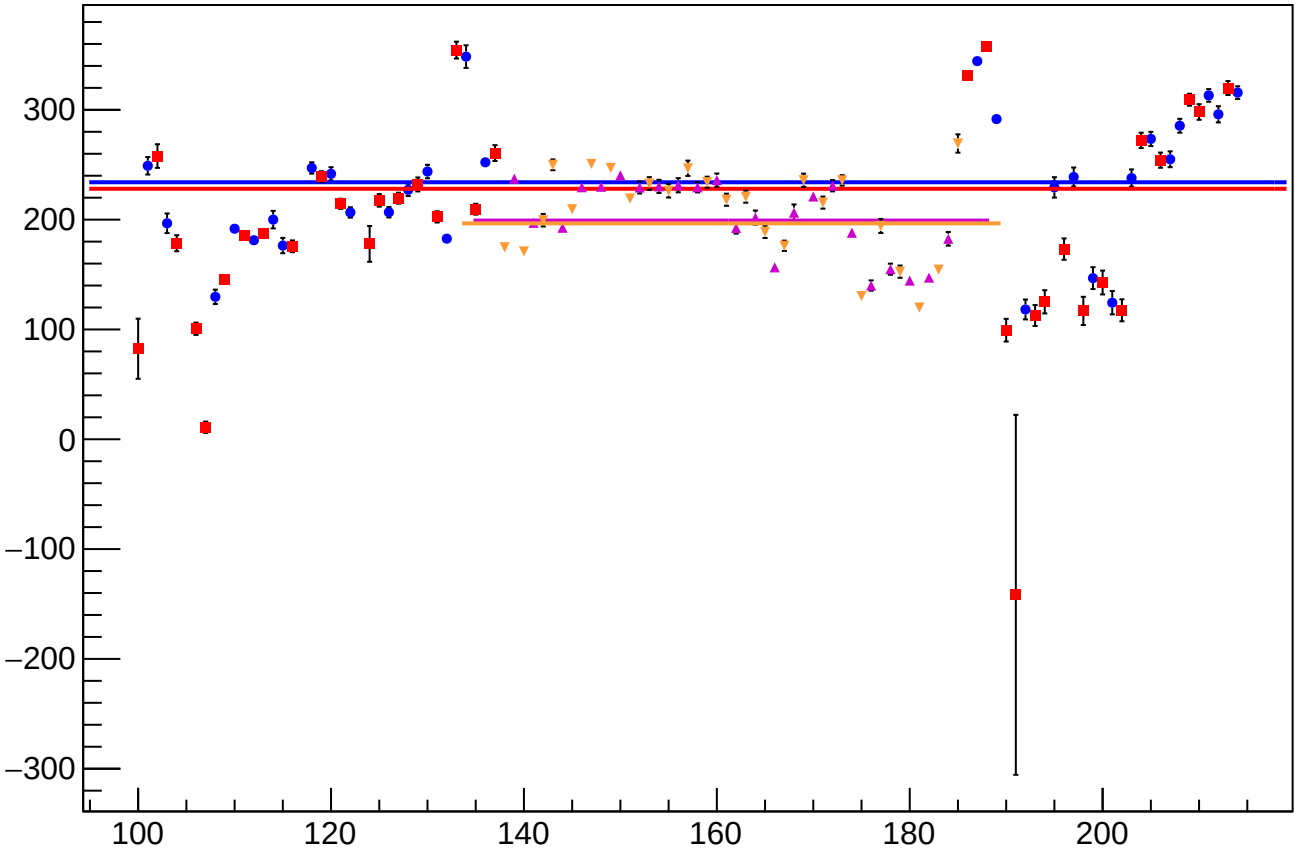
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.883+/-0.035 χ^2/NDF: 2212503.2/54

All: -118.727+/-0.025 χ^2/NDF: 4043265.4/11

- sign -118.567+/-0.035 χ^2/NDF: 1830722.0/56

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 234.044+/-1.047 χ^2/NDF: 2772.4/29

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 228.104+/-0.943 χ^2/NDF: 8734.7/33

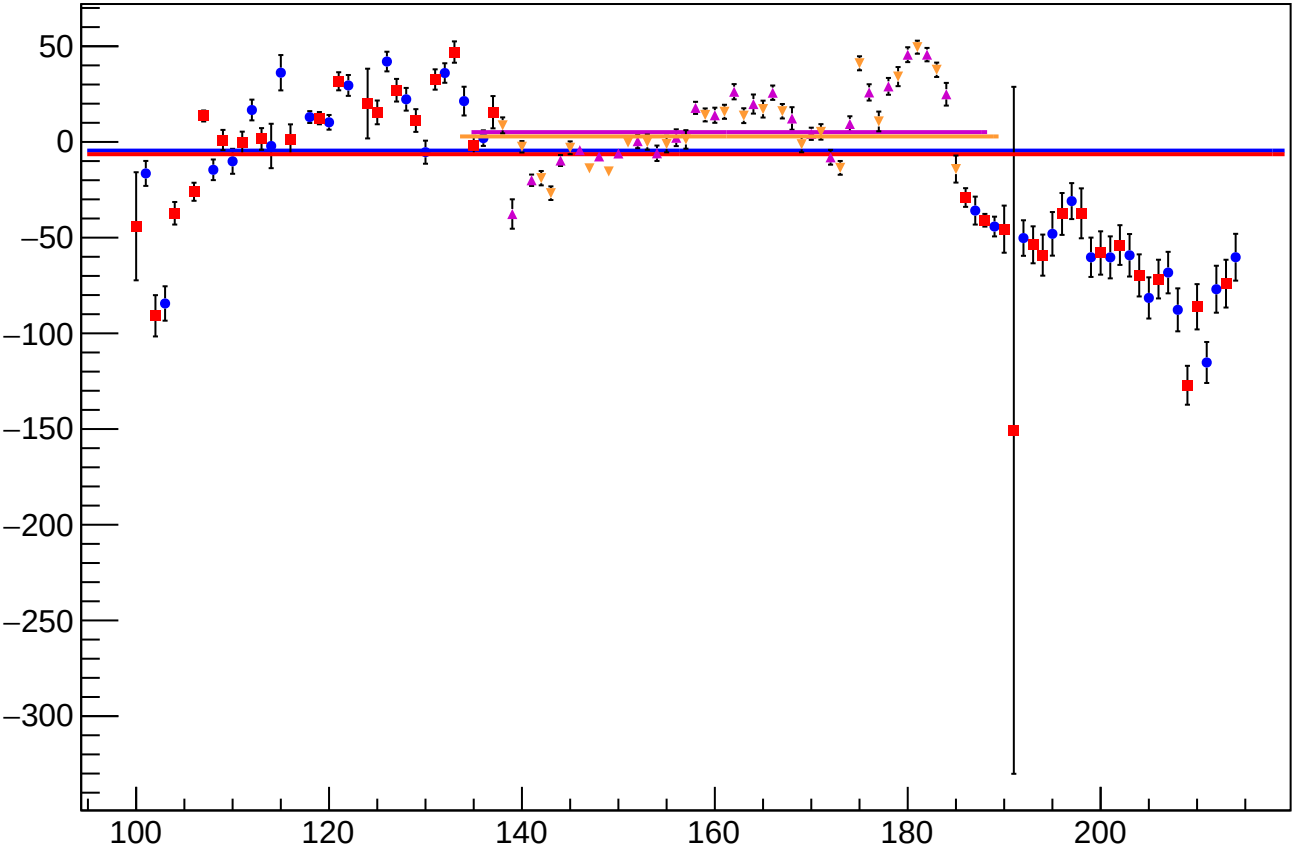
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

\+ sign 213.436+/-0.702 χ^2/NDF: 5551.0/54

All: 213.769+/-0.487 χ^2/NDF: 16037.3/111

\- sign 214.079+/-0.677 χ^2/NDF: 10485.9/56

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.524+/-1.176 χ^2/NDF: 894.3/29

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -6.414+/-1.055 χ^2/NDF: 1004.8/33

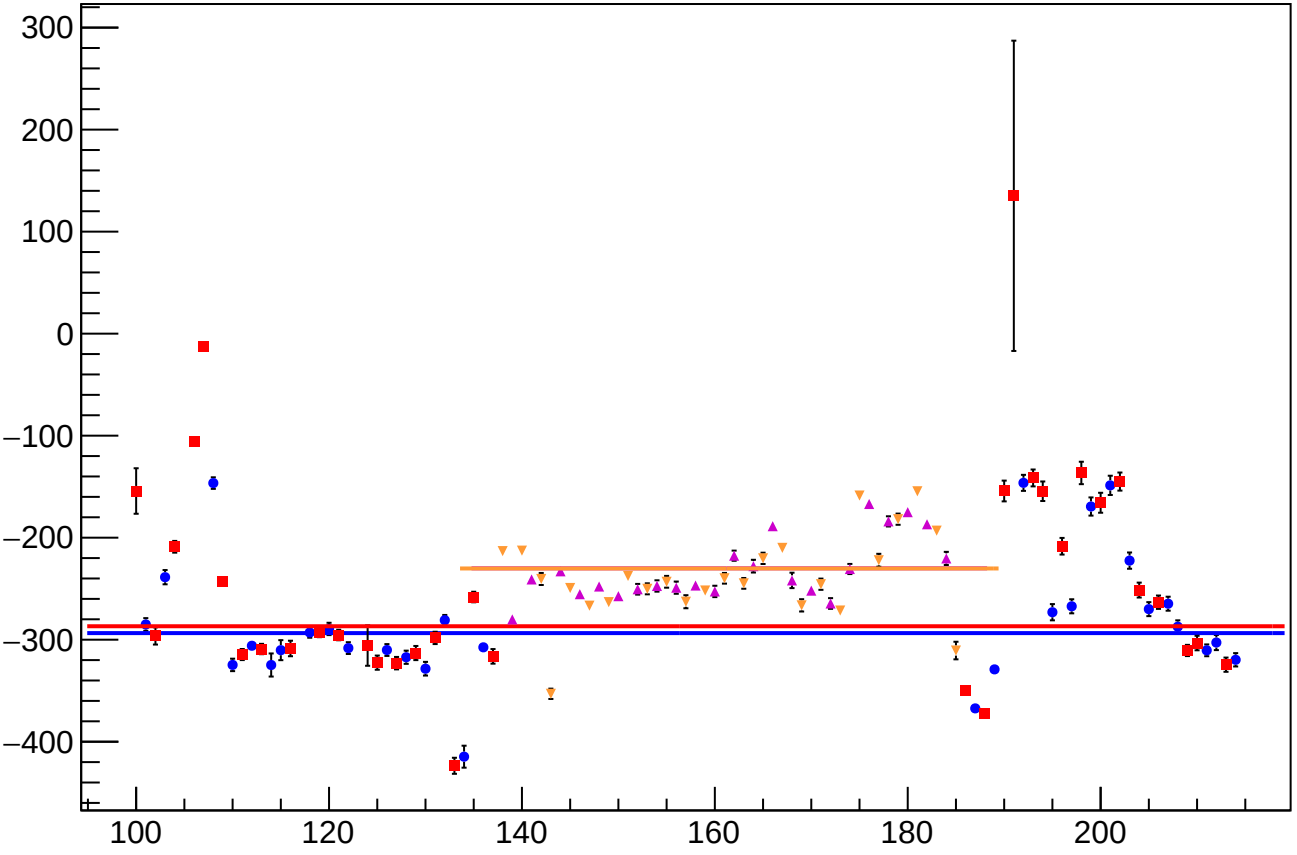
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

\+ sign 0.964+/-0.597 χ^2/NDF: 1676.4/54

All: 1.221+/-0.421 χ^2/NDF: 3391.9/111

\- sign 1.474+/-0.594 χ^2/NDF: 1715.1/56

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.538+/-1.092 χ^2/NDF: 2407.4/29

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.818+/-0.952 χ^2/NDF: 9974.8/33

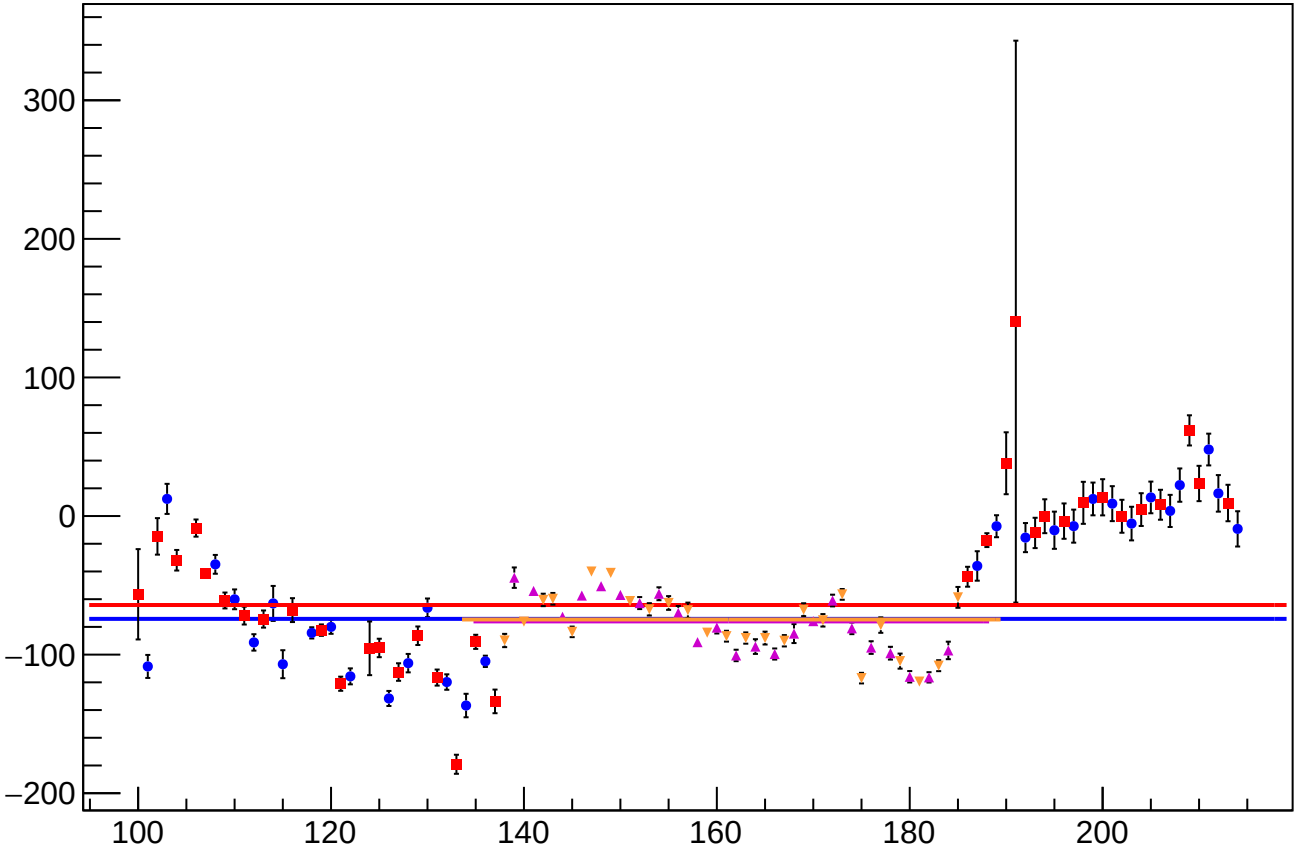
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -257.112+/-0.712 χ^2/NDF: 6524.4/54

All: -257.940+/-0.490 χ^2/NDF: 19356.6/111

- sign -258.688+/-0.676 χ^2/NDF: 12829.6/56

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -74.203+/-1.370 χ^2/NDF: 1164.9/29

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -64.203+/-1.261 χ^2/NDF: 1417.5/33

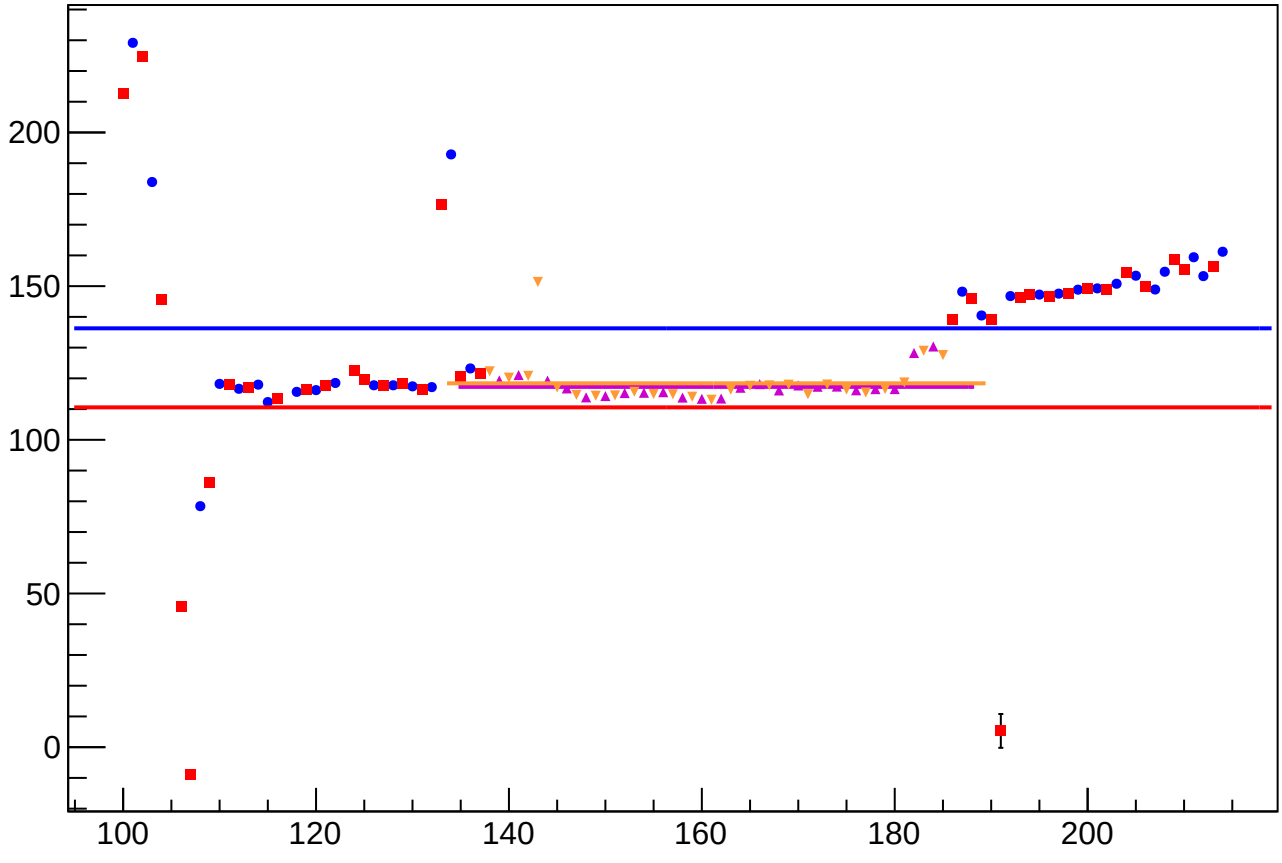
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -74.532+/-0.691 χ^2/NDF: 1995.9/54

All: -73.506+/-0.488 χ^2/NDF: 4125.5/111

- sign -72.486+/-0.690 χ^2/NDF: 2125.2/56

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 136.279+/-0.071 χ^2/NDF: 204660.2/29

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 110.561+/-0.064 χ^2/NDF: 781647.0/33

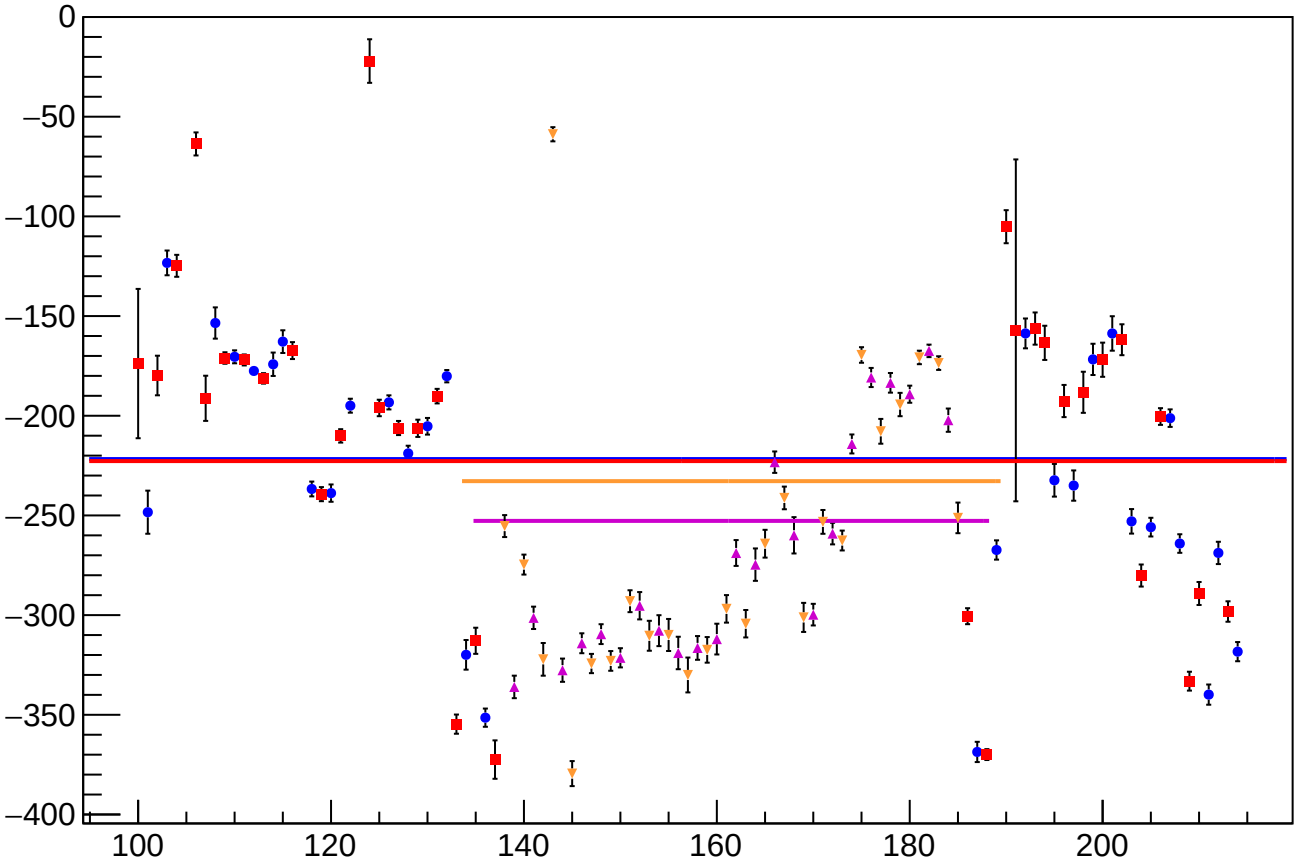
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.257+/-0.033 χ^2/NDF: 289507.2/54

All: 118.839+/-0.023 χ^2/NDF: 1110490.7/111

- sign 115.530+/-0.032 χ^2/NDF: 799866.2/56

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -221.731+/-0.846 χ^2/NDF: 4706.1/29

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -222.740+/-0.803 χ^2/NDF: 8640.1/33

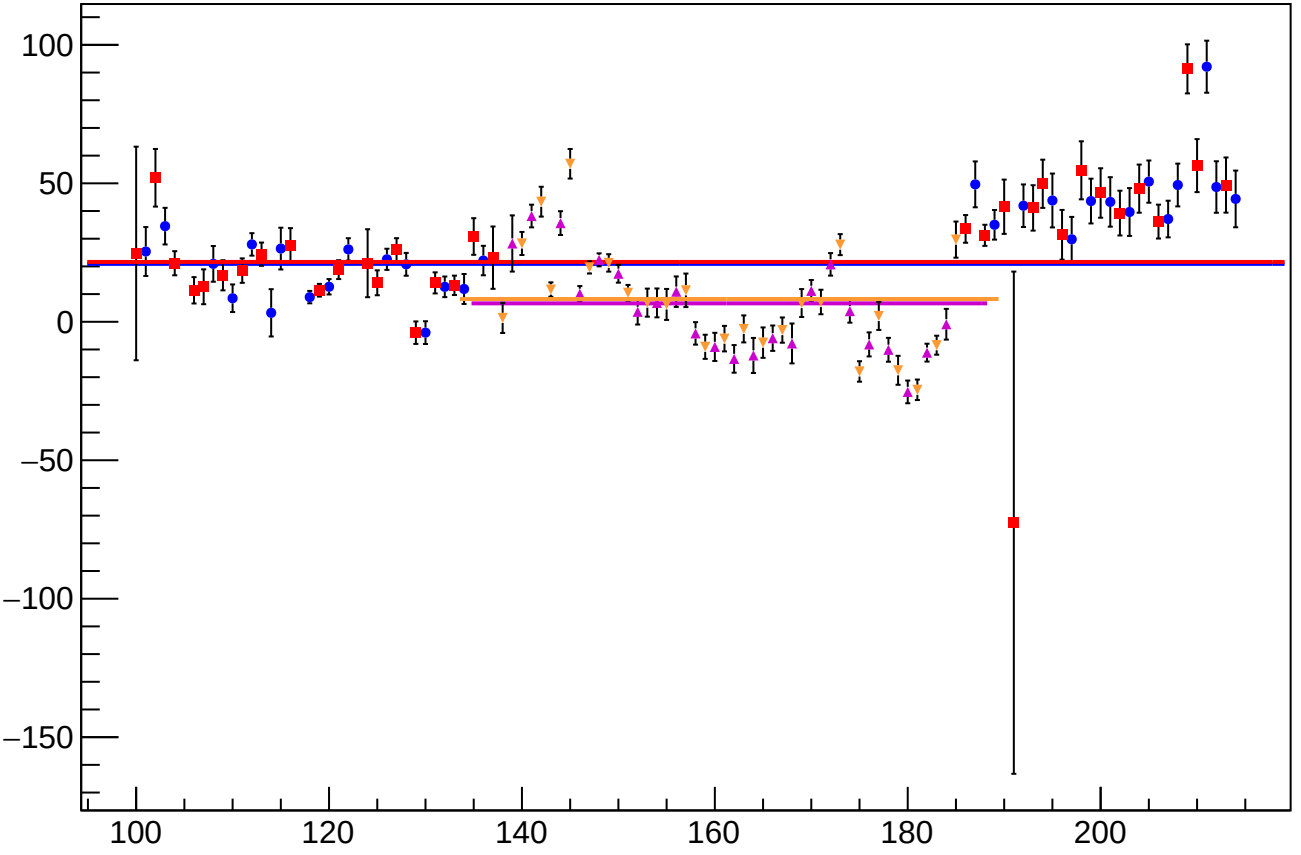
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -225.977+/-0.664 χ^2/NDF: 10535.8/54

All: -229.434+/-0.466 χ^2/NDF: 22611.1/111

- sign -232.796+/-0.655 χ^2/NDF: 12021.8/56

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.918+/-0.939 χ^2/NDF: 260.6/29

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.612+/-0.913 χ^2/NDF: 248.6/33

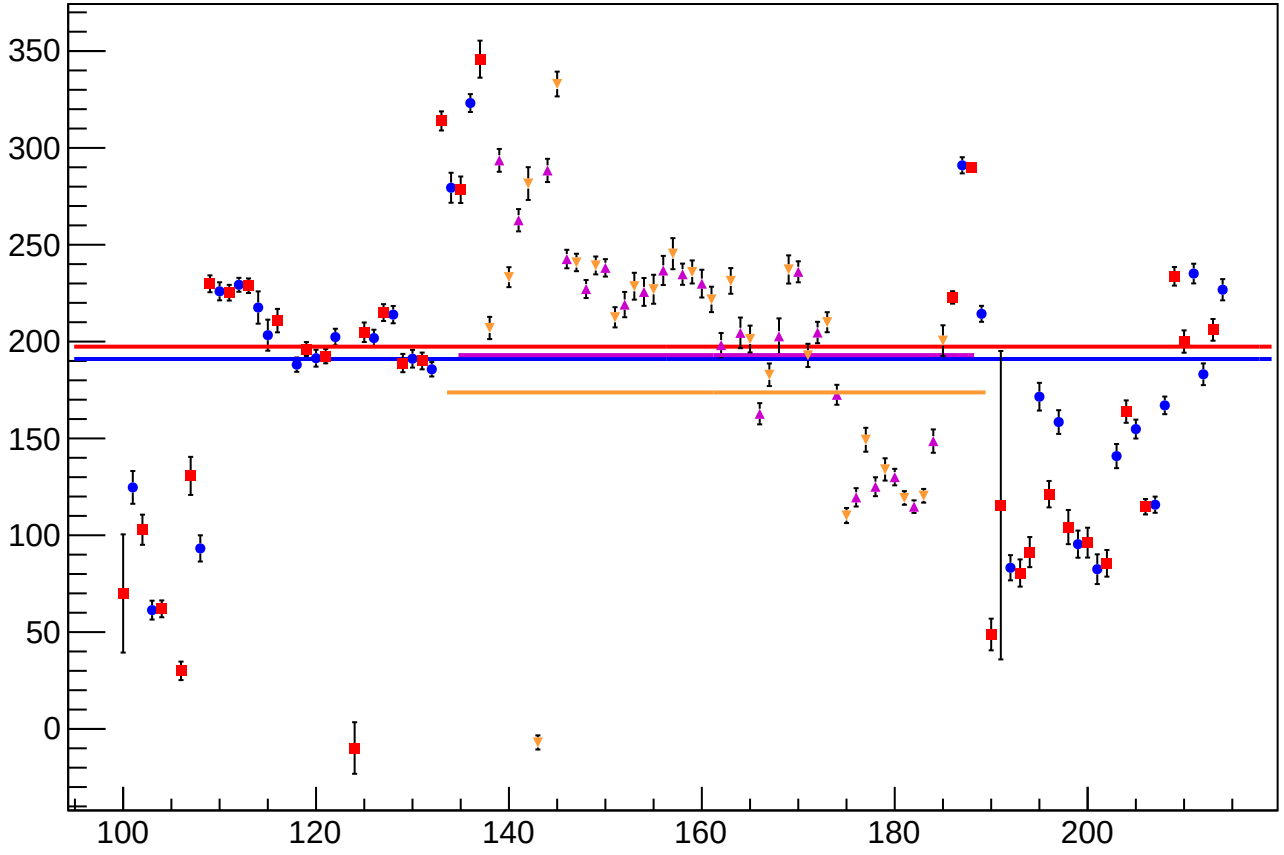
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 13.583+/-0.610 χ^2/NDF: 824.1/54

All: 13.629+/-0.437 χ^2/NDF: 1570.1/111

- sign 13.677+/-0.625 χ^2/NDF: 745.9/56

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.012+/-0.913 χ^2/NDF: 4047.8/29

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.383+/-0.851 χ^2/NDF: 7612.0/33

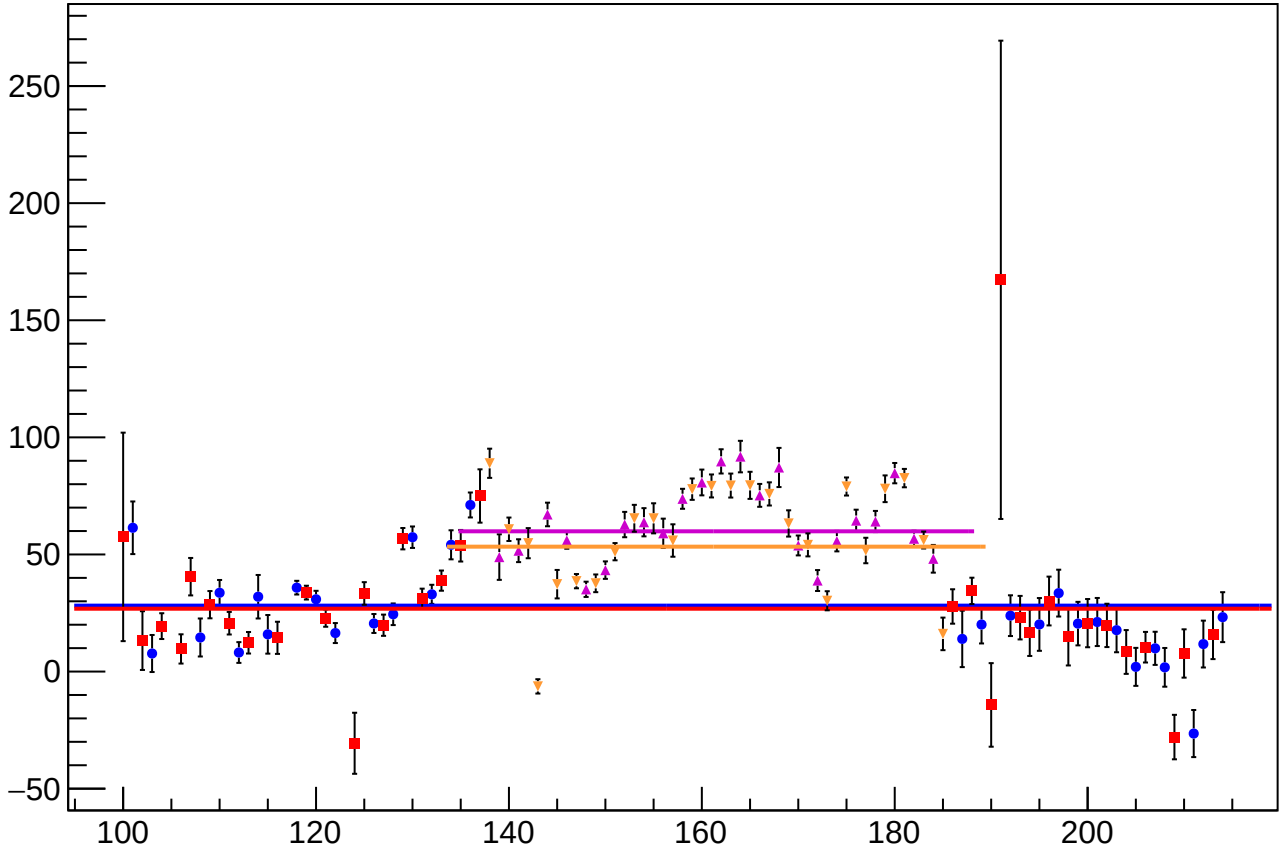
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 183.729+/-0.694 χ^2/NDF: 9459.3/54

All: 189.903+/-0.485 χ^2/NDF: 19747.5/111

- sign 195.792+/-0.678 χ^2/NDF: 10133.6/56

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.149+/-1.091 χ^2/NDF: 251.3/29

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

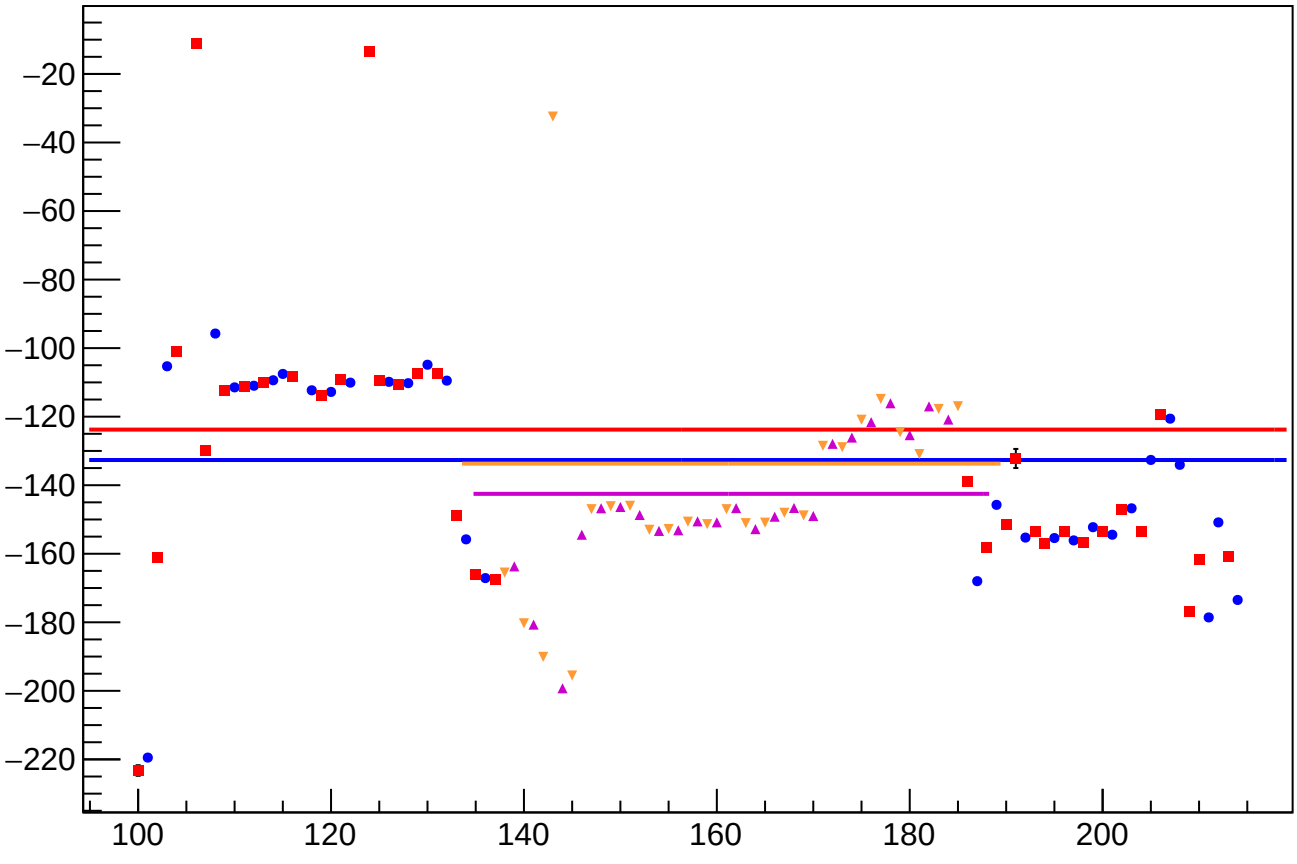
Right Out: 26.836+/-1.069 χ^2/NDF: 205.3/33

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 42.846+/-0.704 χ^2/NDF: 1341.0/54

All: 43.823+/-0.504 χ^2/NDF: 2322.3/111

- sign 44.849+/-0.721 χ^2/NDF: 977.4/56



Right In: -132.648+/-0.060 χ^2/NDF: 191511.2/29

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -123.774+/-0.058 χ^2/NDF: 522565.3/33

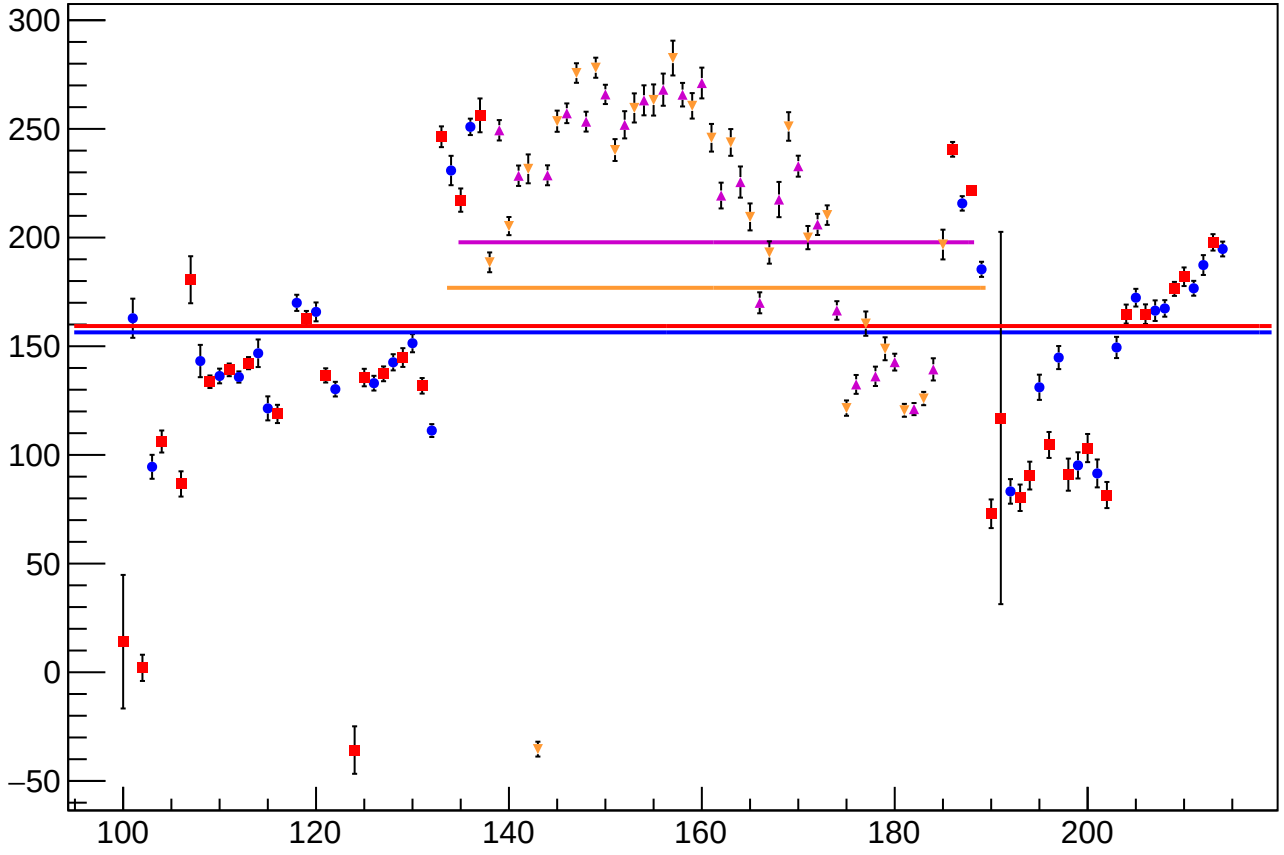
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.350+/-0.035 χ^2/NDF: 867644.5/54

All: -134.427+/-0.025 χ^2/NDF: 1637067.1/11

- sign -135.525+/-0.035 χ^2/NDF: 767492.6/56

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 156.384+/-0.756 χ^2/NDF: 2411.9/29

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 159.295+/-0.710 χ^2/NDF: 5180.5/33

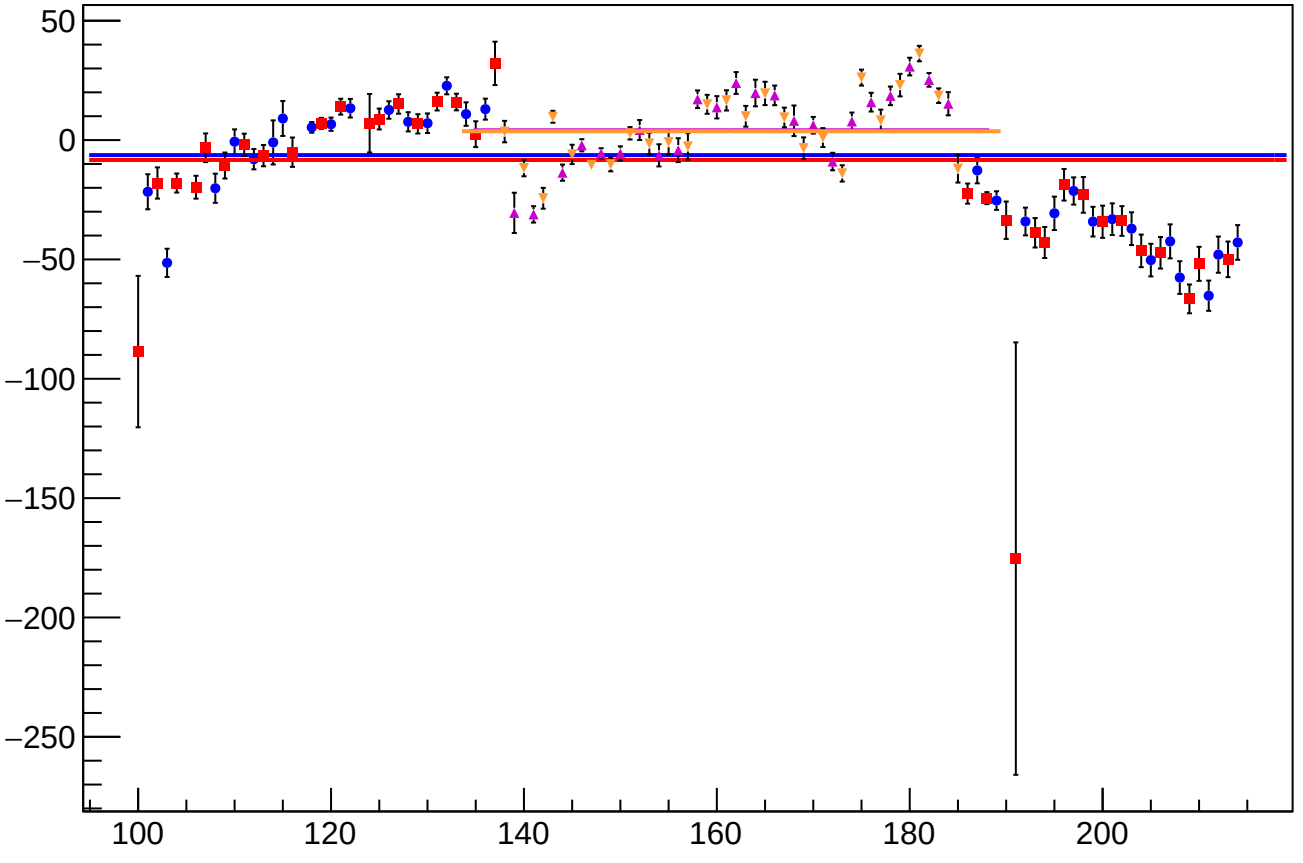
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 164.255+/-0.593 χ^2/NDF: 10119.0/54

All: 168.271+/-0.415 χ^2/NDF: 19336.0/111

- sign 172.111+/-0.580 χ^2/NDF: 9127.4/56

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -6.297+/-0.866 χ^2/NDF: 684.3/29

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -8.341+/-0.829 χ^2/NDF: 676.3/33

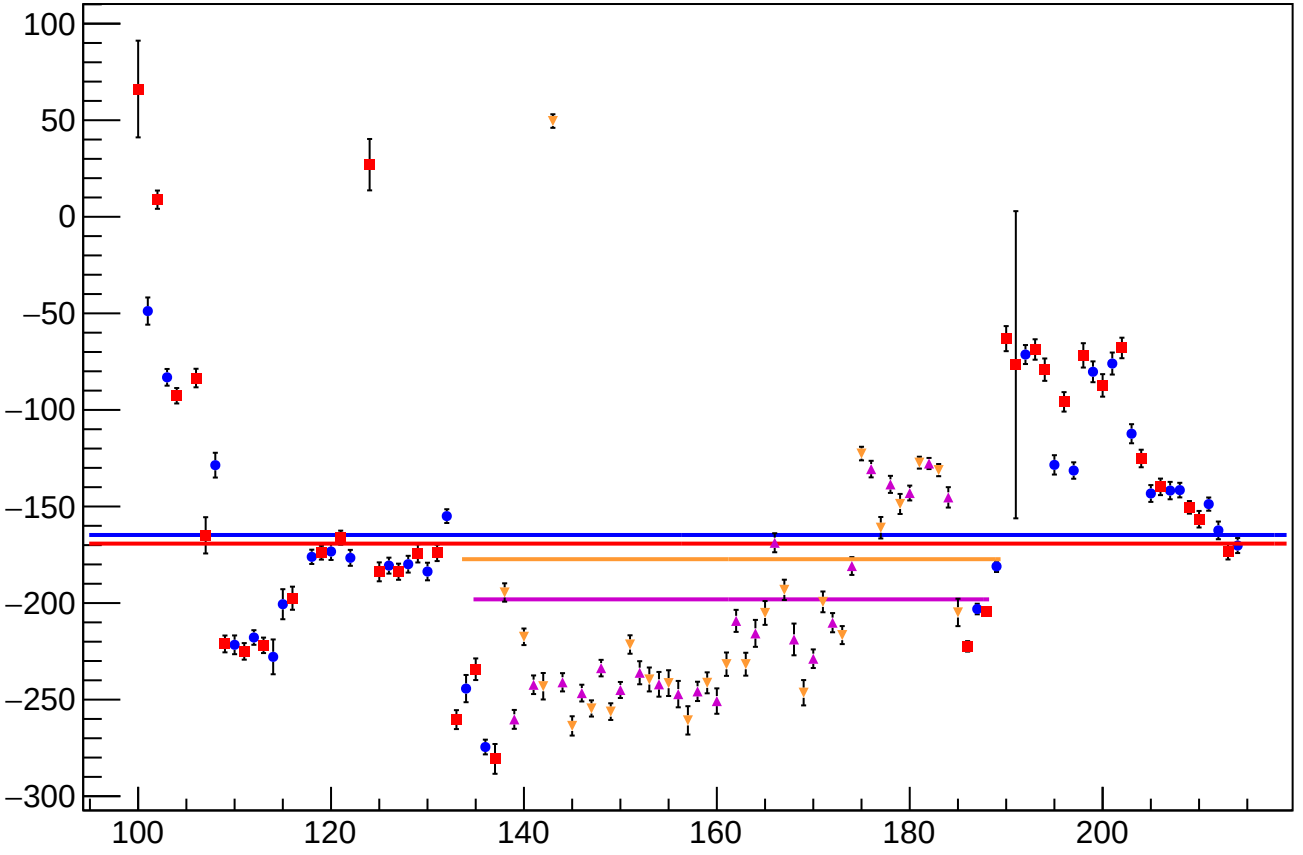
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -0.405+/-0.555 χ^2/NDF: 1163.9/54

All: -1.021+/-0.395 χ^2/NDF: 2362.9/111

- sign -1.655+/-0.564 χ^2/NDF: 1196.4/56

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -164.747+/-0.787 χ^2/NDF: 3507.7/29

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.223+/-0.714 χ^2/NDF: 6693.5/33

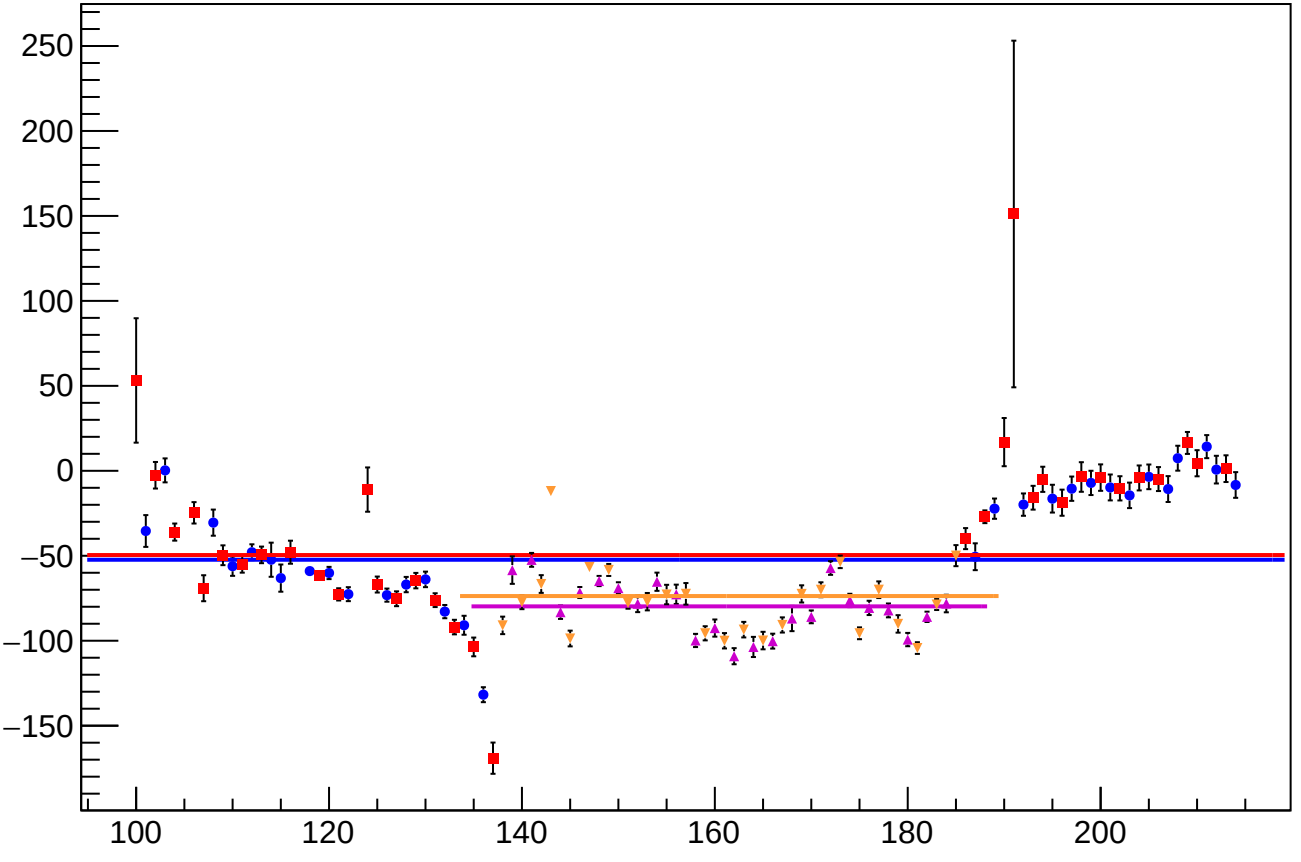
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -169.806+/-0.607 χ^2/NDF: 10650.2/54

All: -174.591+/-0.420 χ^2/NDF: 20400.6/111

- sign -178.971+/-0.581 χ^2/NDF: 9631.5/56

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -52.341+/-1.009 χ^2/NDF: 1098.4/29

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -49.573+/-0.982 χ^2/NDF: 1112.4/33

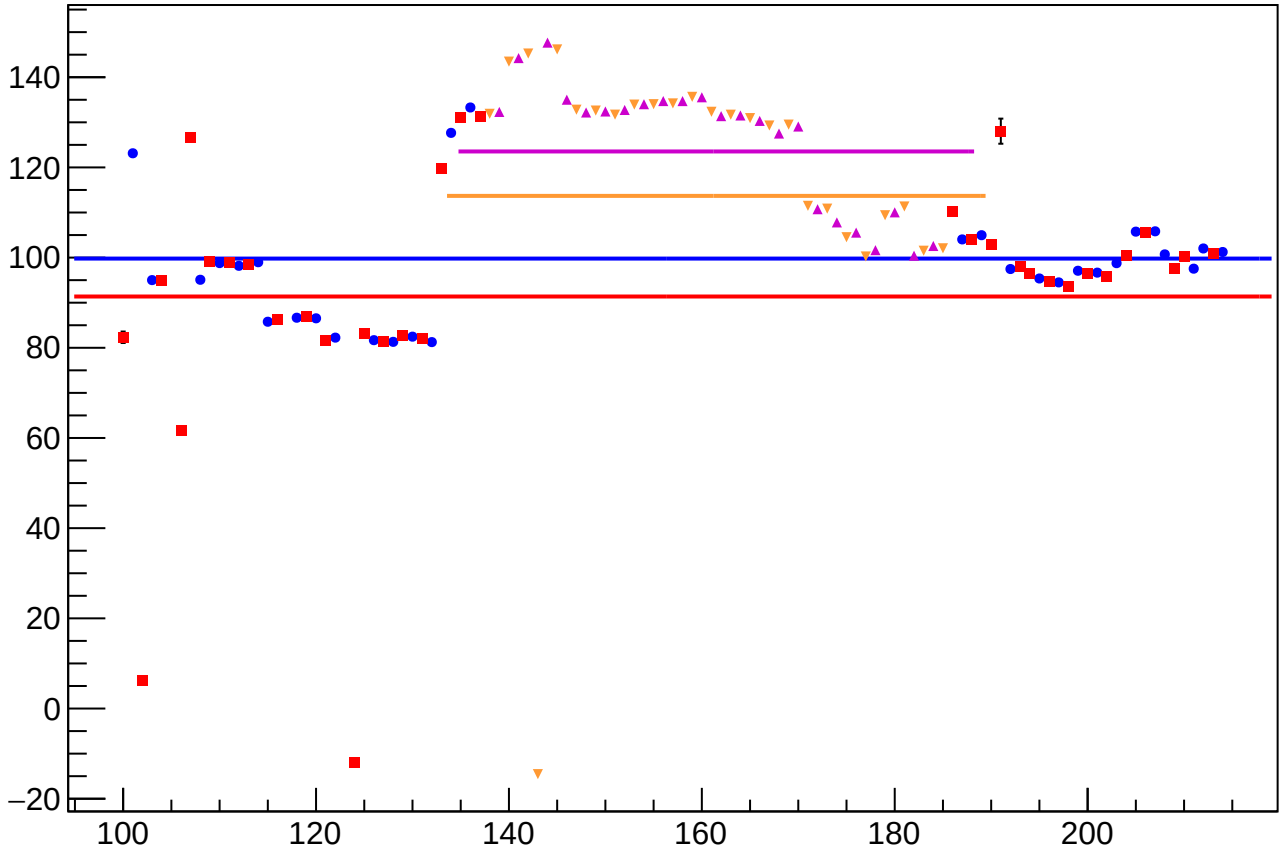
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -65.097+/-0.640 χ^2/NDF: 2205.7/54

All: -65.747+/-0.457 χ^2/NDF: 4125.4/111

\- sign -66.423+/-0.653 χ^2/NDF: 1917.6/56

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.783+/-0.052 χ^2/NDF: 70148.7/29

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.372+/-0.049 χ^2/NDF: 289470.2/33

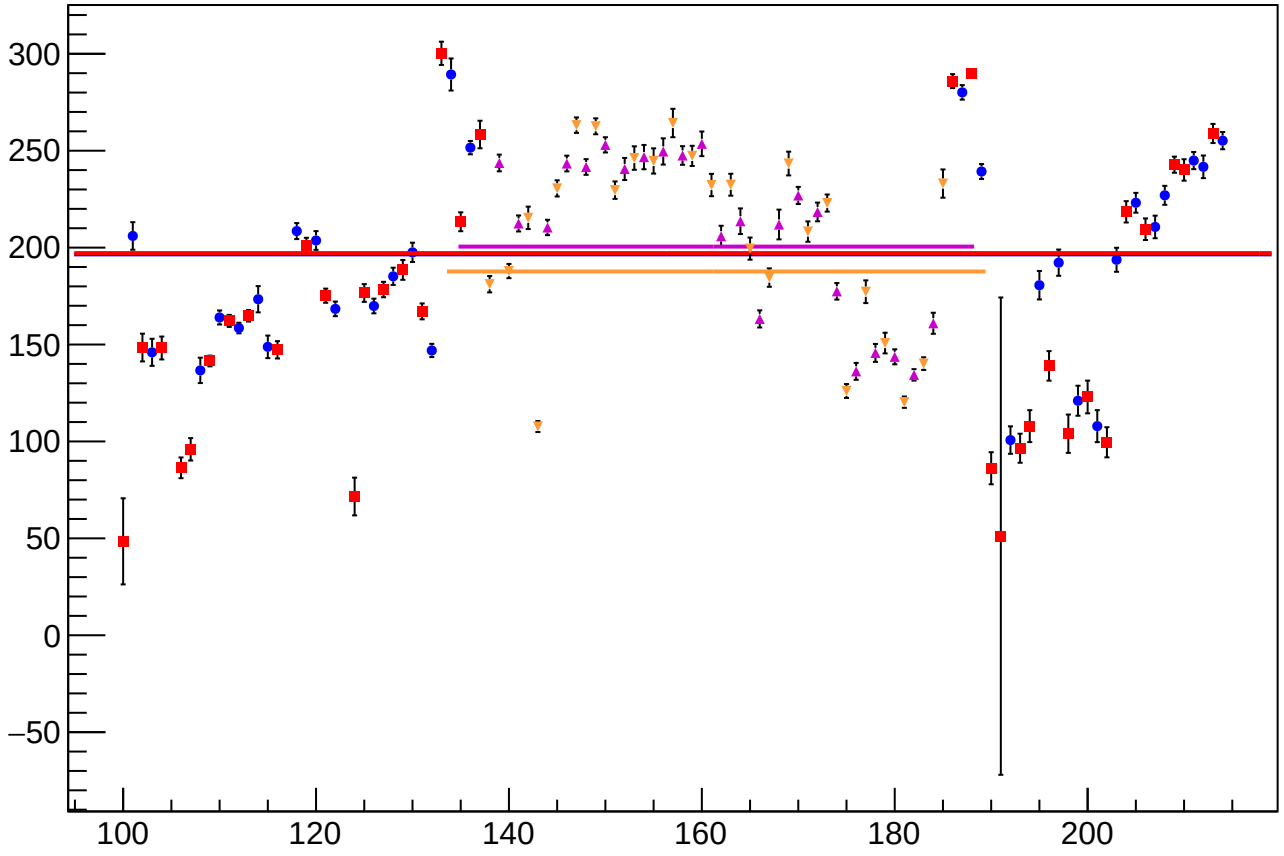
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.784+/-0.031 χ^2/NDF: 1079636.5/54

All: 109.844+/-0.022 χ^2/NDF: 1764986.1/111

- sign 110.905+/-0.031 χ^2/NDF: 682988.3/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 196.525+/-0.864 χ^2/NDF: 2650.8/29

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

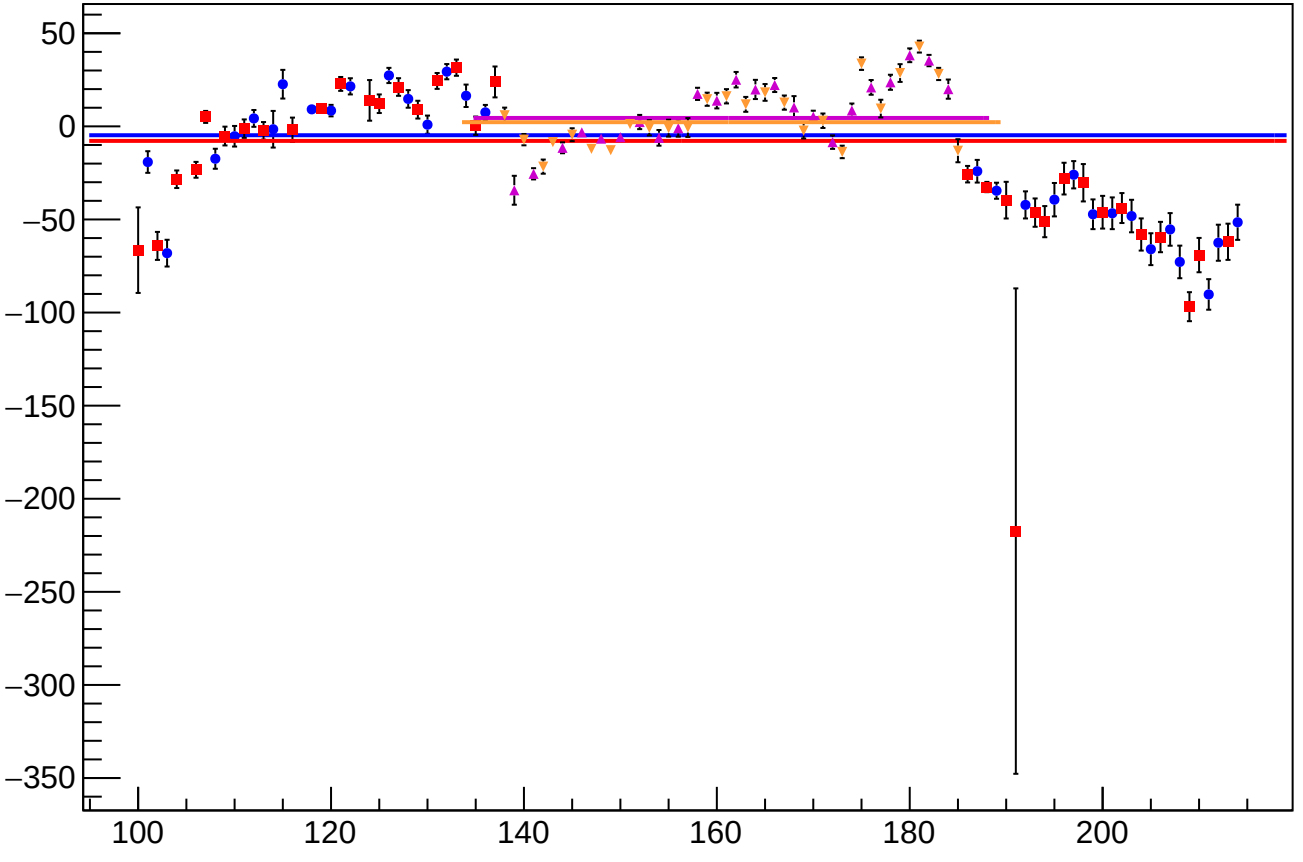
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 192.271+/-0.623 χ^2/NDF: 6229.5/54

All: 195.472+/-0.436 χ^2/NDF: 14771.2/111

\- sign 198.540+/-0.610 χ^2/NDF: 8489.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -4.769+/-0.973 χ^2/NDF: 861.5/29

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

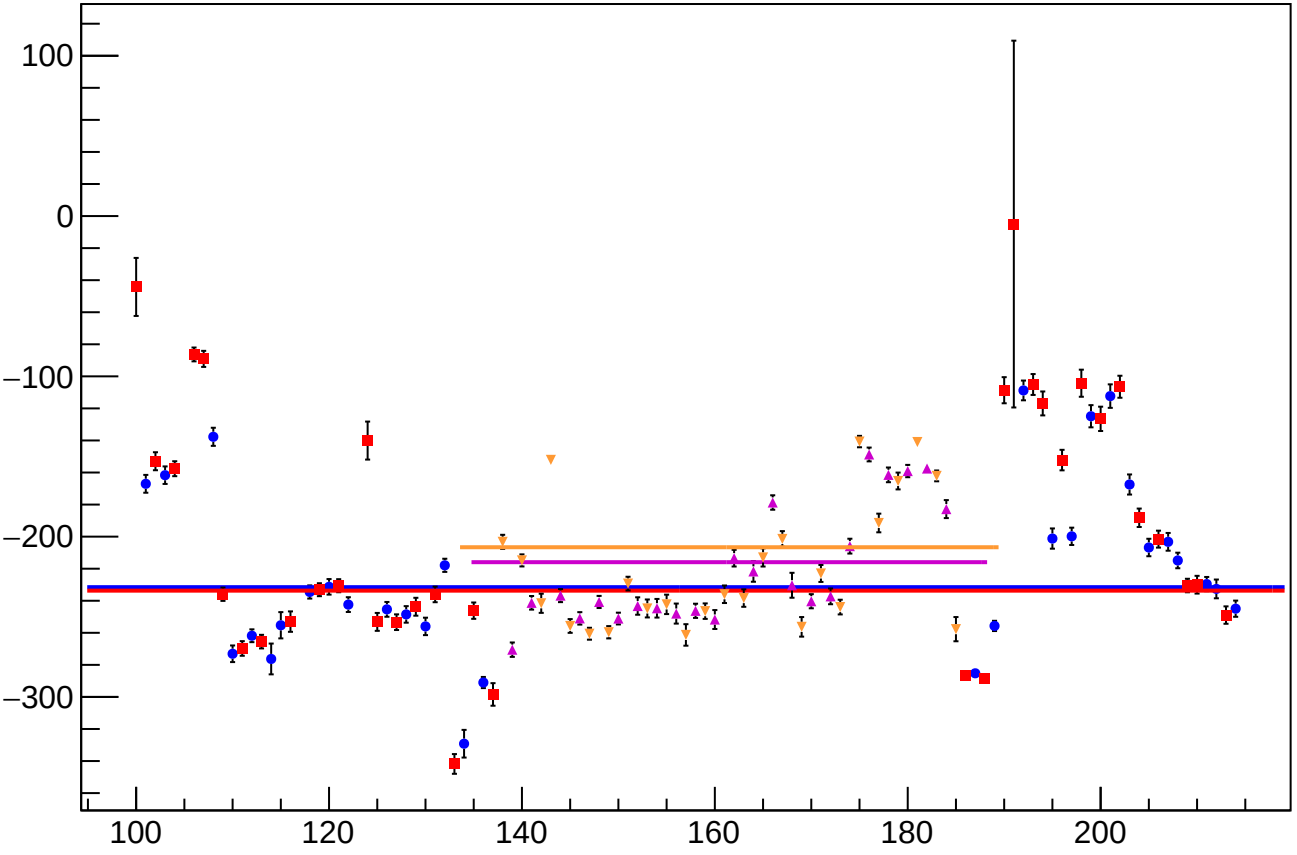
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.014+/-0.549 χ^2/NDF: 1497.8/54

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111

- sign -0.234+/-0.560 χ^2/NDF: 1607.9/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.527+/-0.903 χ^2/NDF: 2690.5/29

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

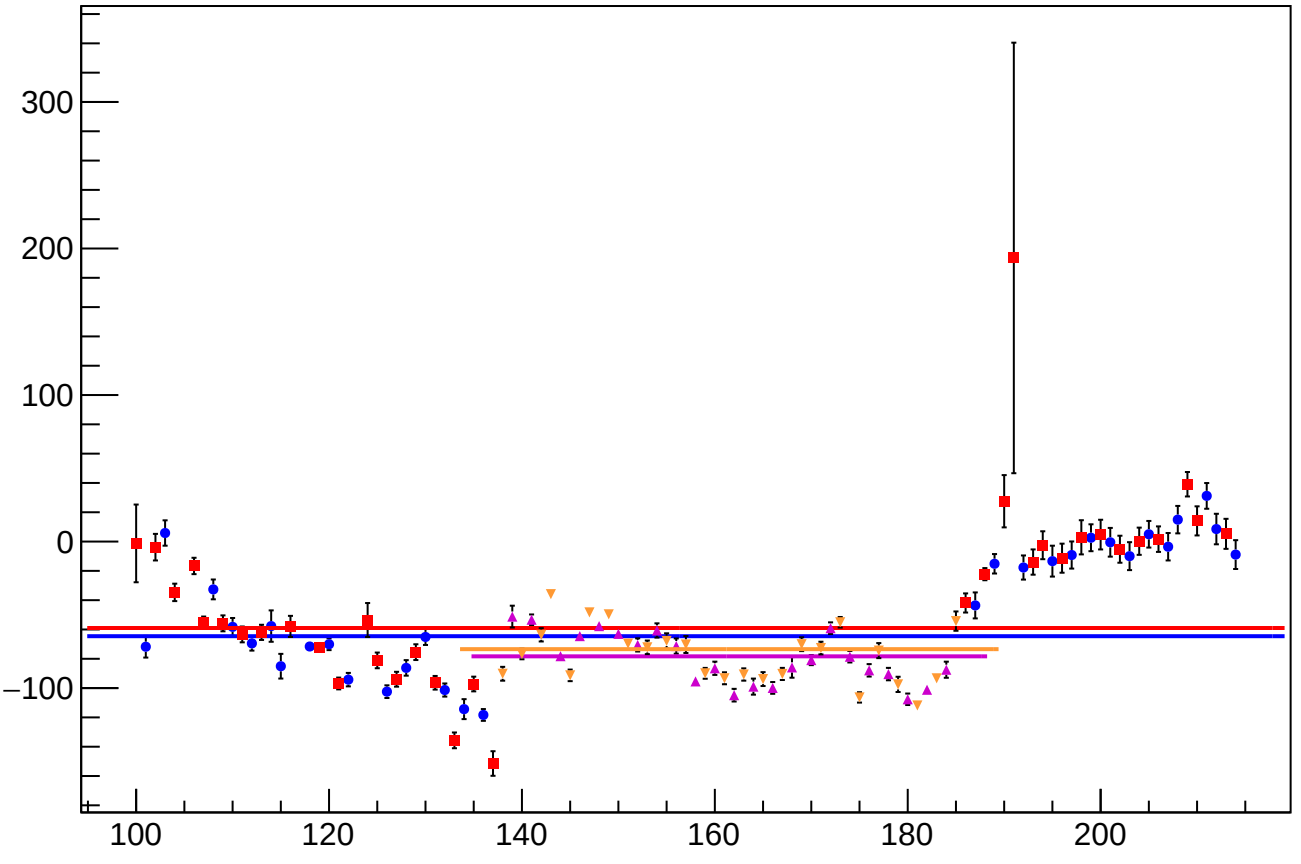
Right Out: -233.692+/-0.800 χ^2/NDF: 6668.3/33

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

\+ sign -218.958+/-0.636 χ^2/NDF: 5542.3/54

All: -222.772+/-0.440 χ^2/NDF: 14197.2/111

\- sign -226.294+/-0.611 χ^2/NDF: 8585.6/56



Right In: -64.585+/-1.136 χ^2/NDF: 1194.1/29

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -58.994+/-1.073 χ^2/NDF: 1362.8/33

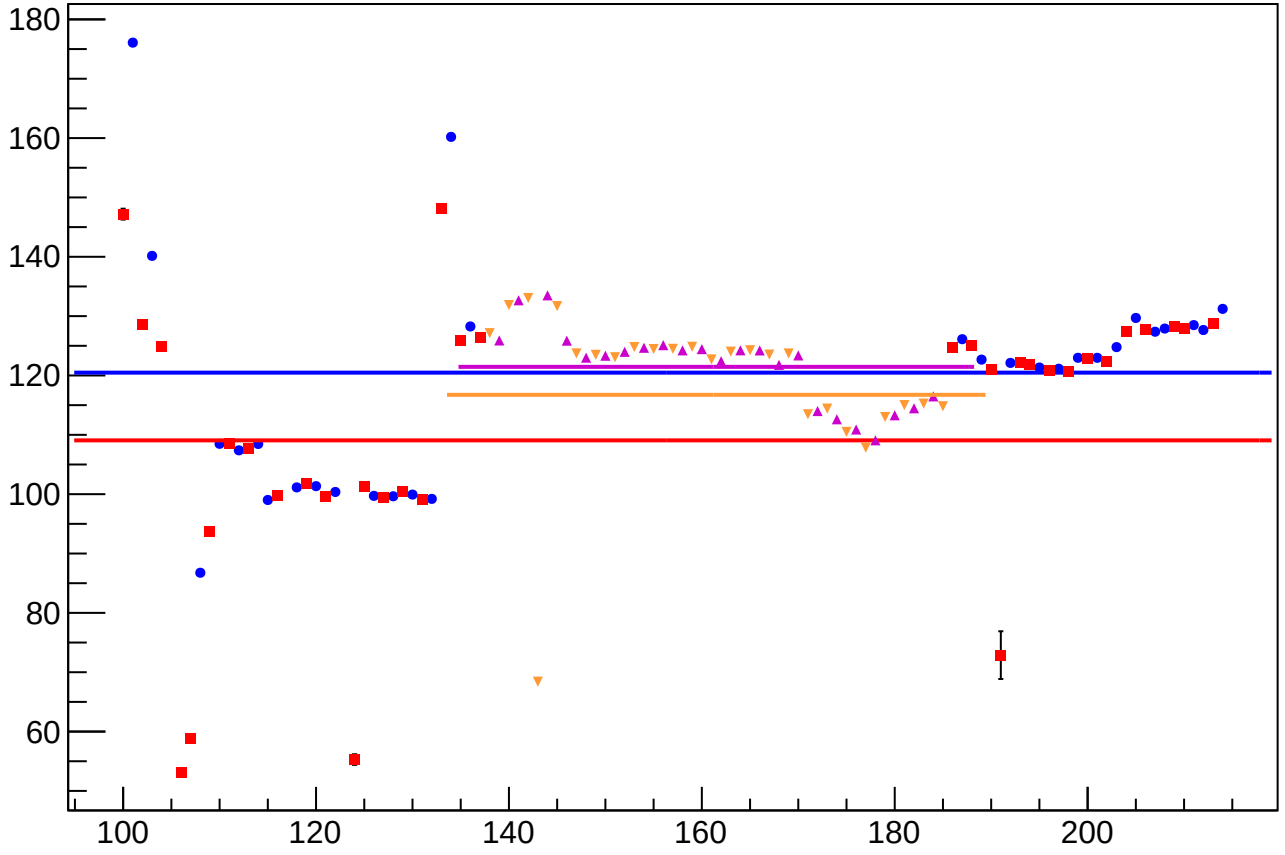
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

\+ sign -70.657+/-0.636 χ^2/NDF: 2072.3/54

All: -70.938+/-0.455 χ^2/NDF: 4084.2/111

\- sign -71.233+/-0.650 χ^2/NDF: 2011.5/56

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 120.478+/-0.060 χ^2/NDF: 99461.1/29

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

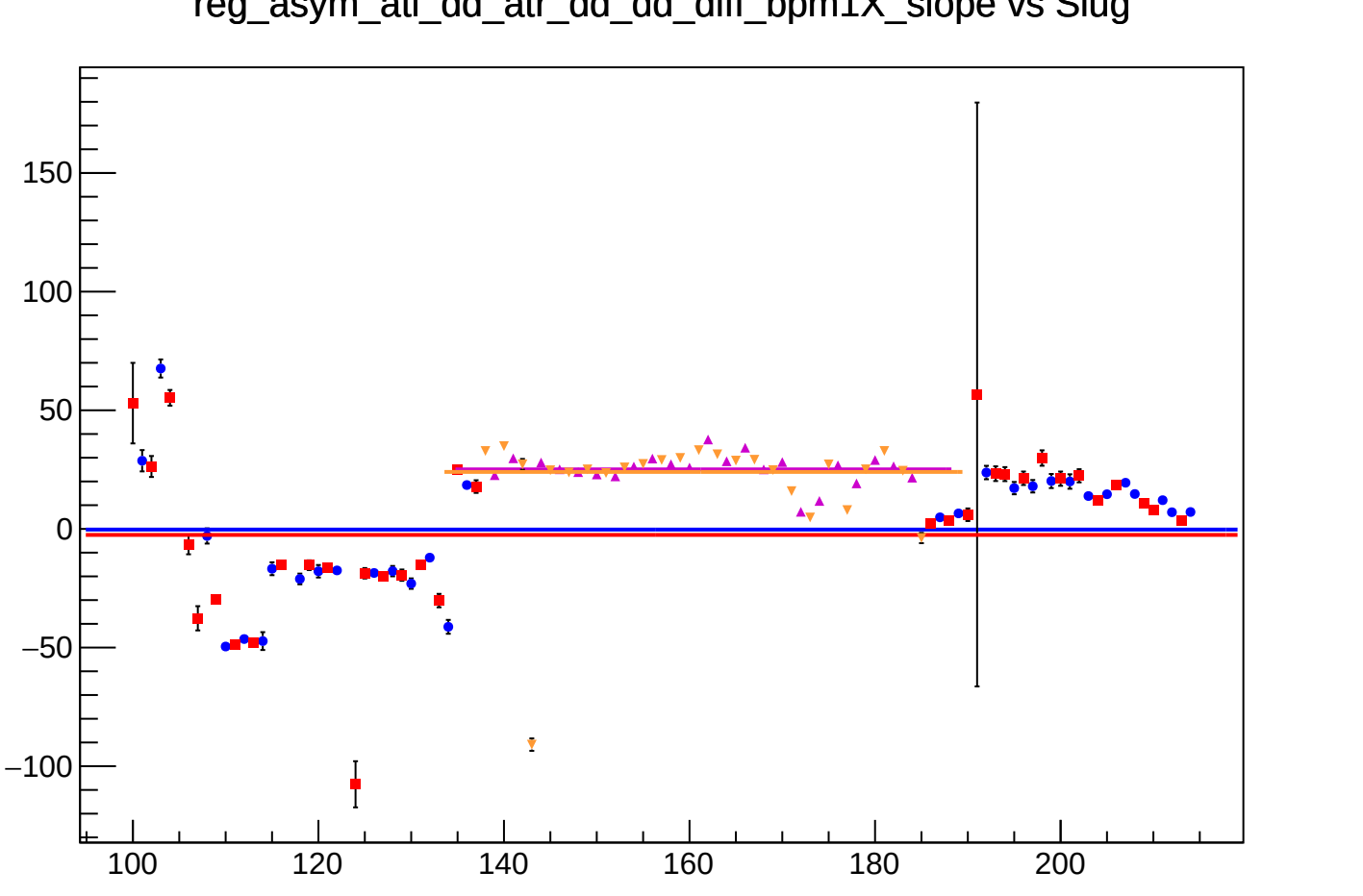
Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.731+/-0.031 χ^2/NDF: 305997.1/54

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111

- sign 117.546+/-0.031 χ^2/NDF: 277349.6/56



Right In: -0.270+/-0.366 χ^2/NDF: 3704.3/29

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -2.526+/-0.353 χ^2/NDF: 3889.2/33

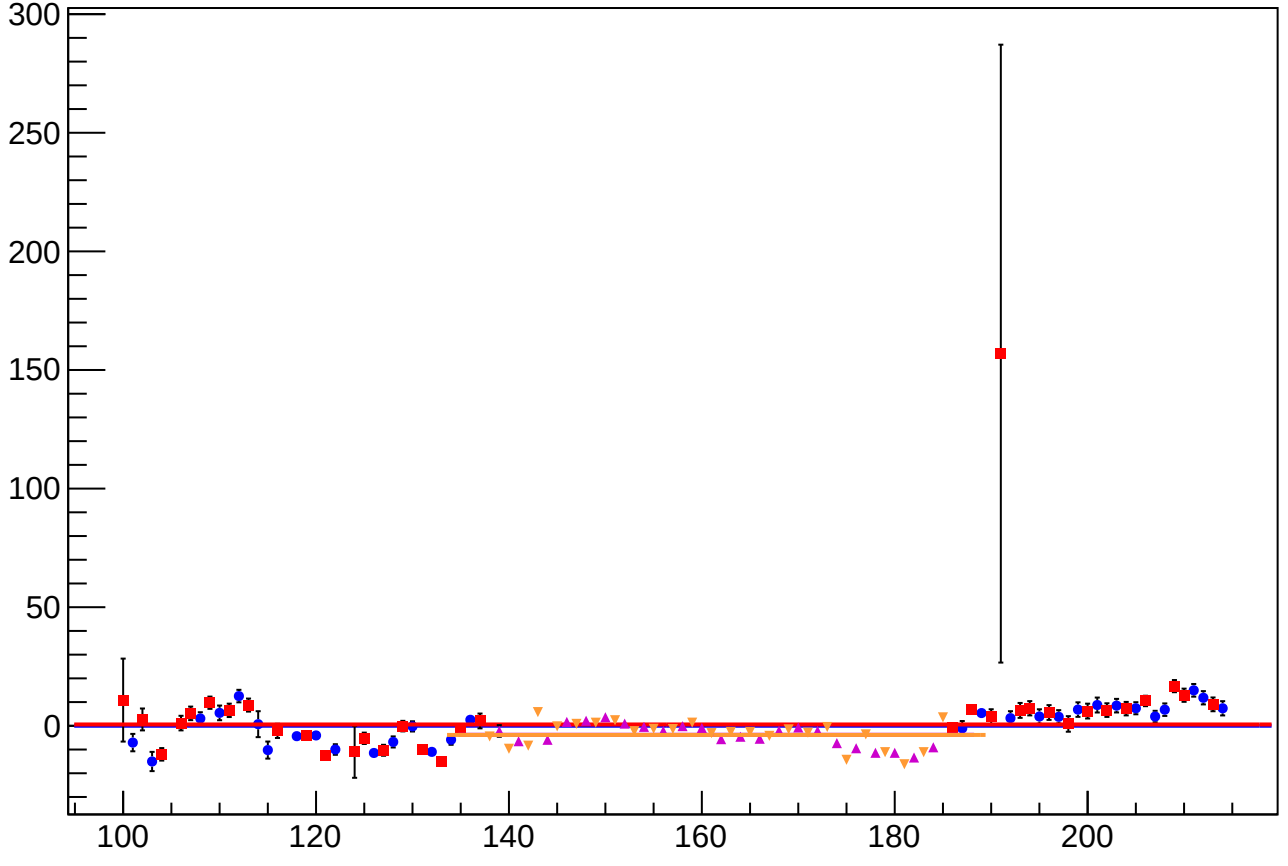
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

\+ sign 14.978+/-0.223 χ^2/NDF: 9270.0/54

All: 14.537+/-0.158 χ^2/NDF: 17341.9/111

\- sign 14.098+/-0.223 χ^2/NDF: 8064.1/56

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.031+/-0.441 χ^2/NDF: 274.2/29

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

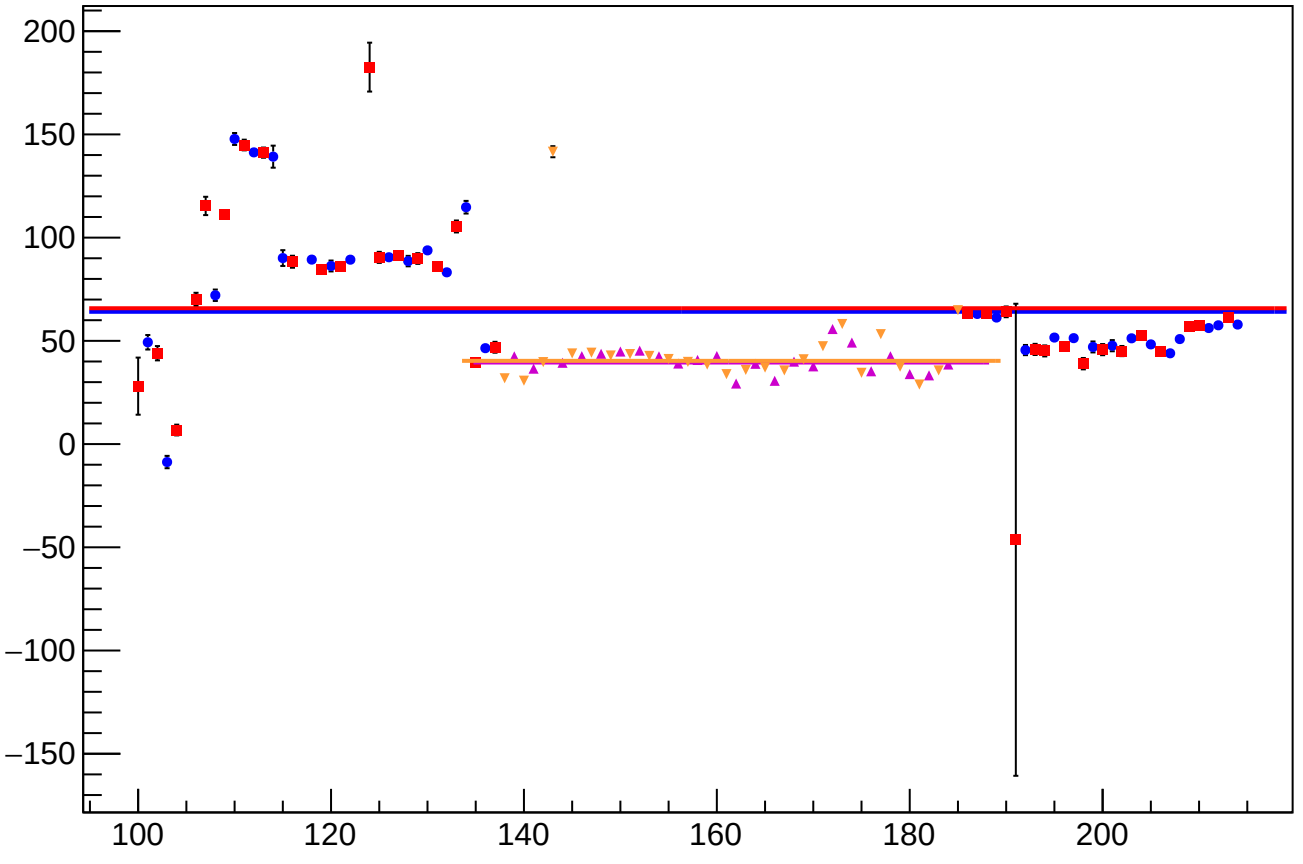
Right Out: 0.567+/-0.428 χ^2/NDF: 355.3/33

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.085+/-0.195 χ^2/NDF: 985.6/54

All: -2.968+/-0.139 χ^2/NDF: 1932.7/111

- sign -2.847+/-0.198 χ^2/NDF: 946.3/56



Right In: 64.078+/-0.376 χ^2/NDF: 4675.4/29

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

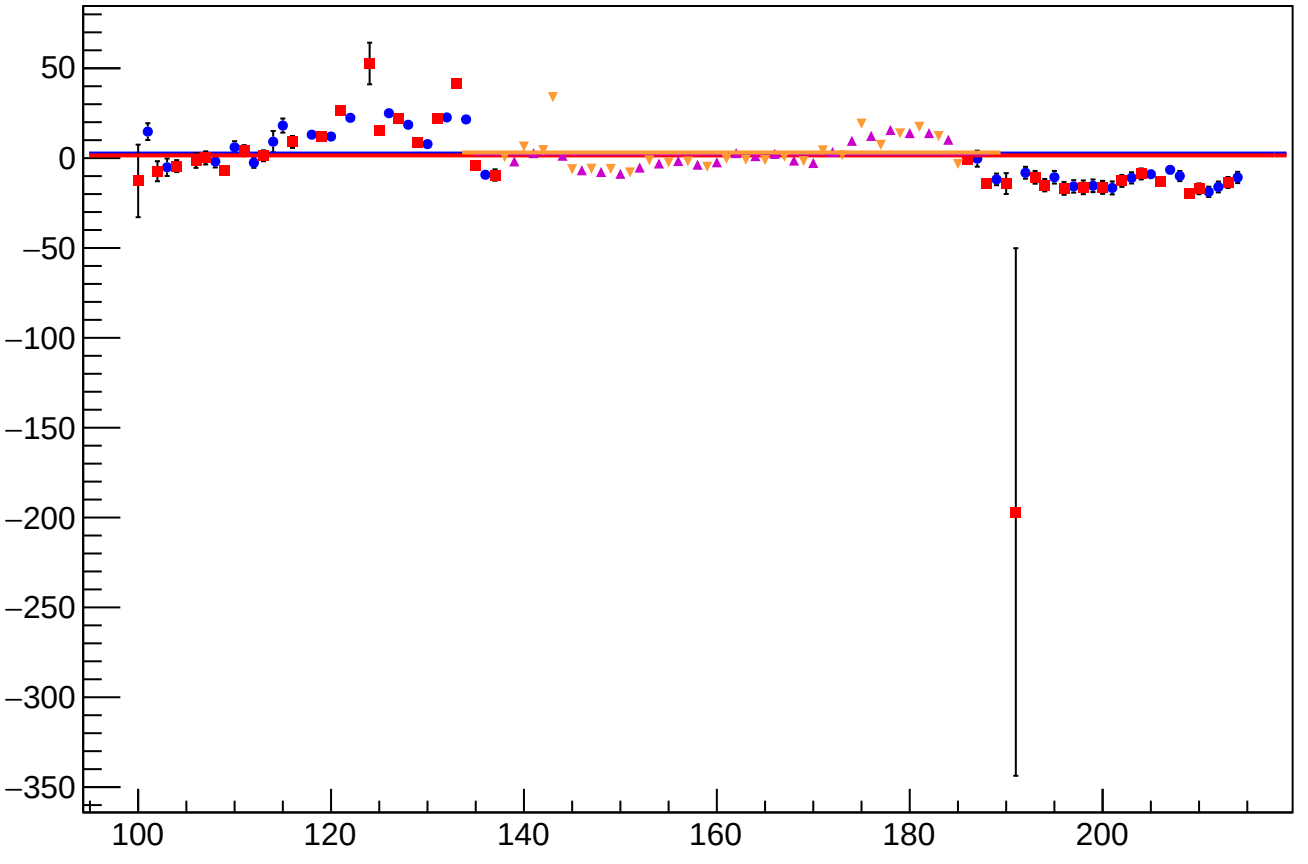
Right Out: 65.795+/-0.352 χ^2/NDF: 4834.1/33

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.796+/-0.225 χ^2/NDF: 9426.0/54

All: 49.351+/-0.158 χ^2/NDF: 18072.7/111

\- sign 49.890+/-0.221 χ^2/NDF: 8634.7/56



Right In: 2.549+/-0.503 χ^2/NDF: 822.7/29

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

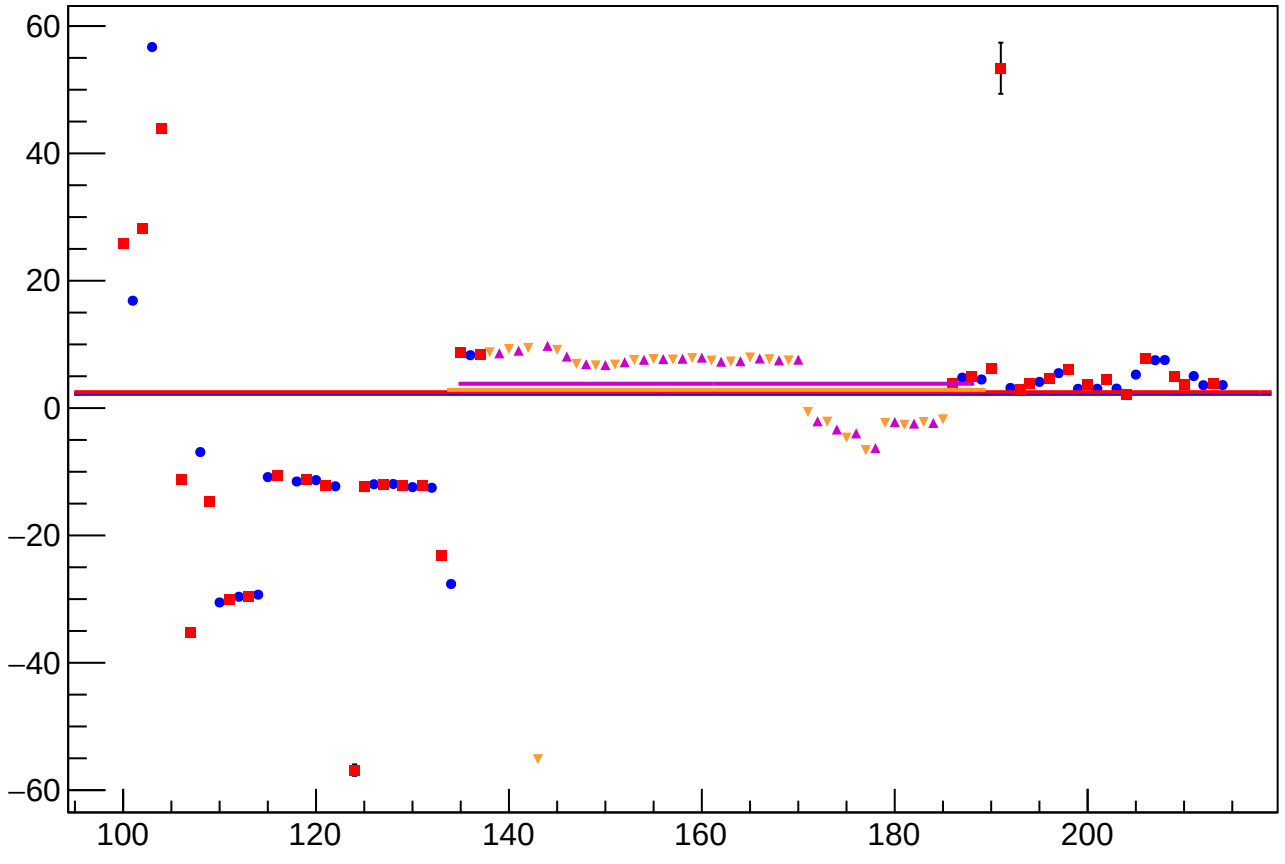
Right Out: 1.516+/-0.501 χ^2/NDF: 1026.2/33

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.028+/-0.221 χ^2/NDF: 2090.9/54

All: 2.679+/-0.157 χ^2/NDF: 4093.5/111

- sign 2.317+/-0.224 χ^2/NDF: 1997.5/56



Right In: 2.240+/-0.024 χ^2/NDF: 383001.8/29

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.499+/-0.024 χ^2/NDF: 330756.2/33

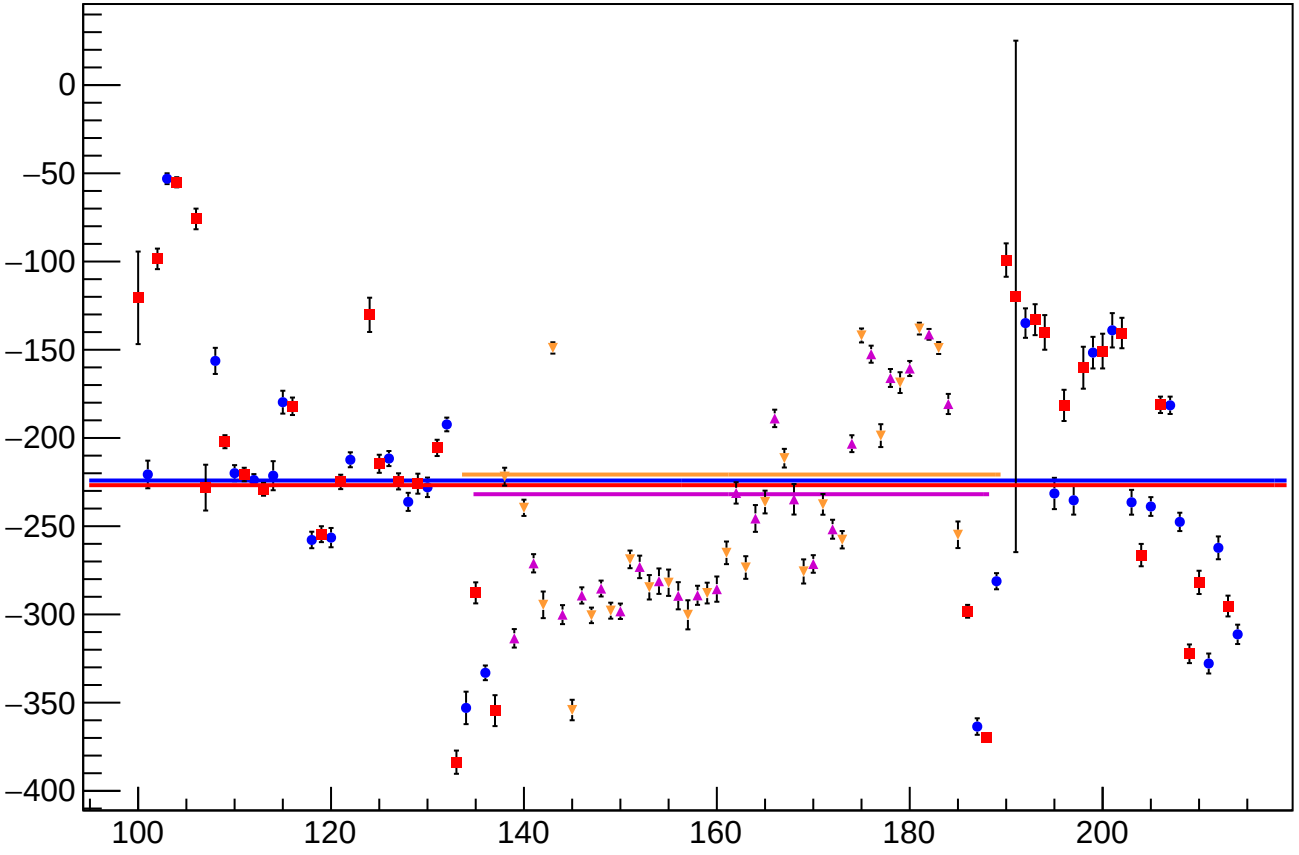
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.760+/-0.010 χ^2/NDF: 895910.0/54

All: 3.171+/-0.007 χ^2/NDF: 1465852.2/111

- sign 3.590+/-0.010 χ^2/NDF: 566508.4/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -224.104+/-0.956 χ^2/NDF: 6330.8/29

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -226.750+/-0.889 χ^2/NDF: 10825.8/33

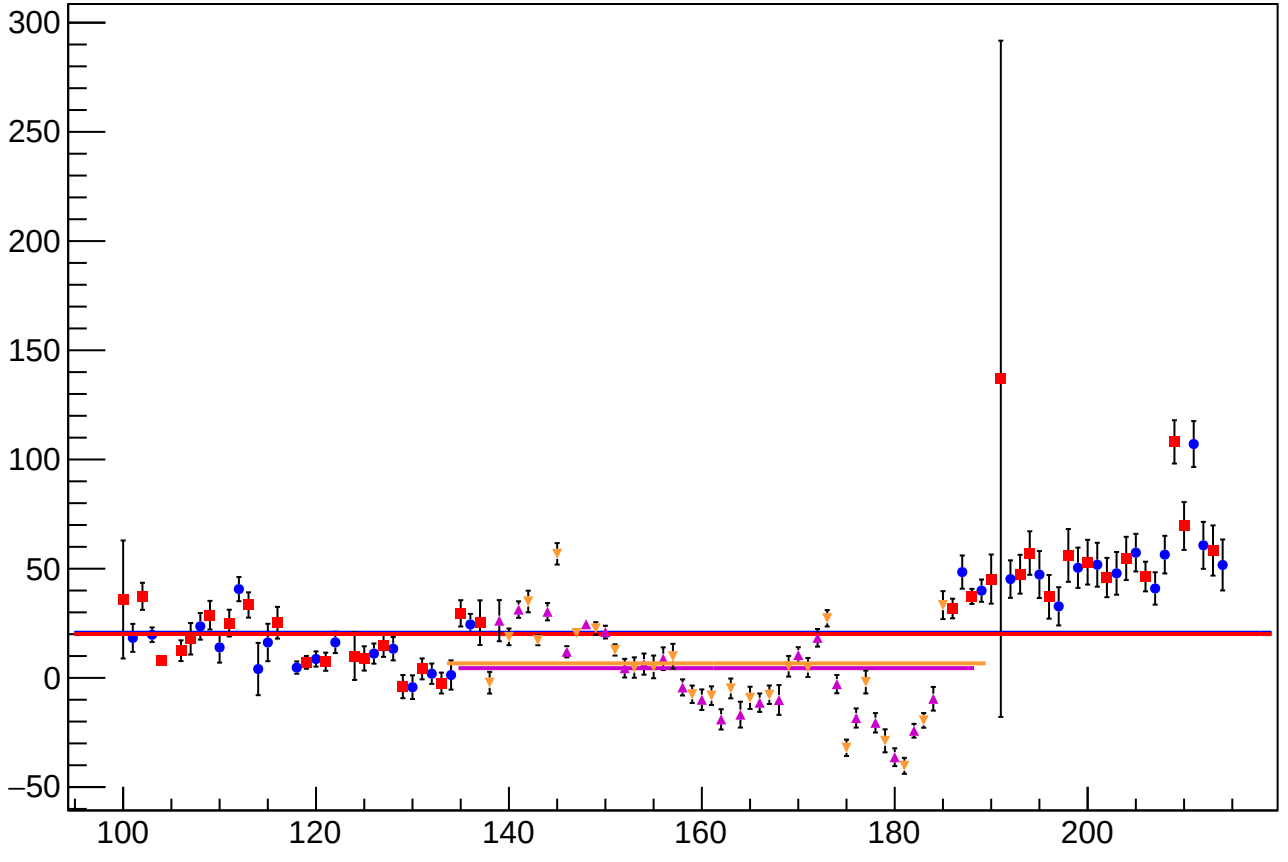
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -222.519+/-0.697 χ^2/NDF: 10388.9/54

All: -225.725+/-0.489 χ^2/NDF: 24430.1/111

- sign -228.824+/-0.685 χ^2/NDF: 13999.6/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 20.672+/-1.063 χ^2/NDF: 316.6/29

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 20.080+/-0.973 χ^2/NDF: 366.8/33

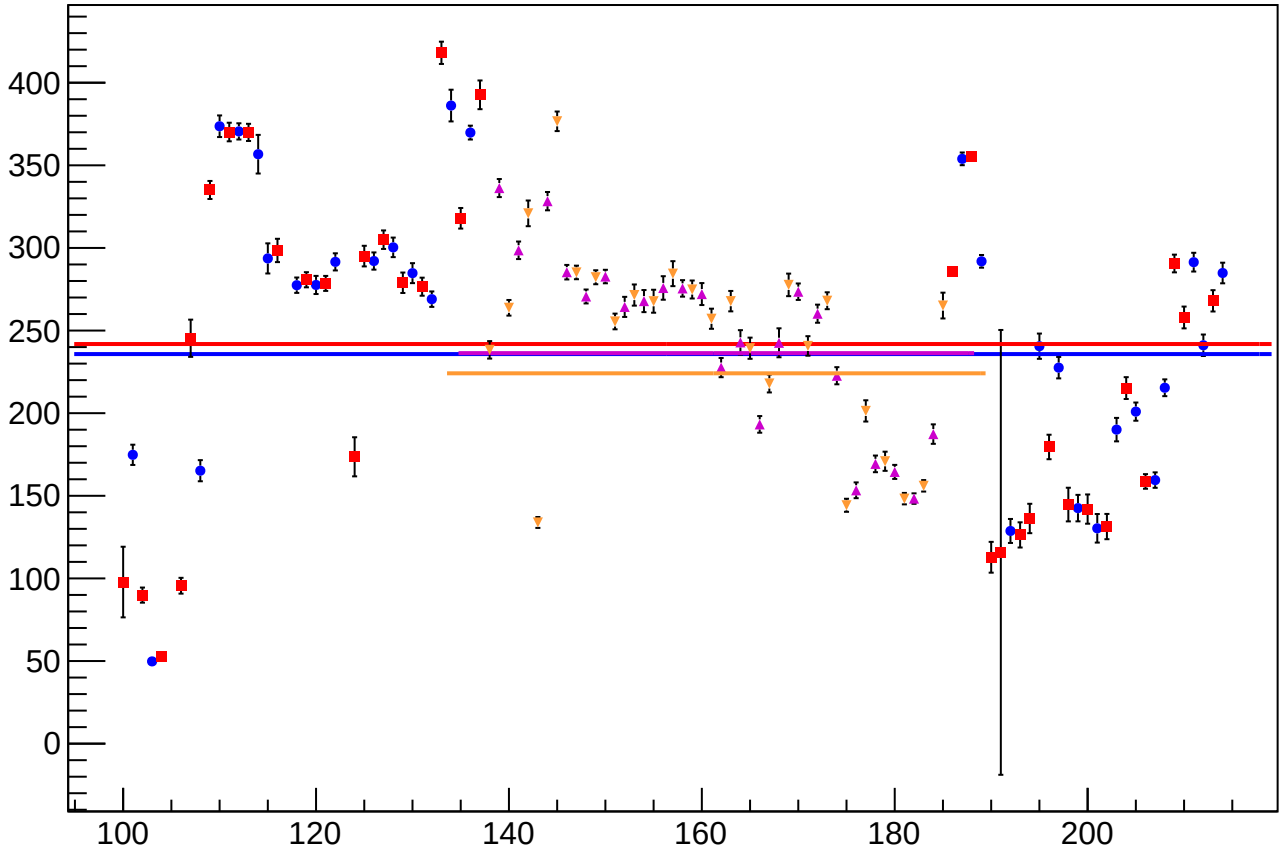
Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

\+ sign 11.324+/-0.614 χ^2/NDF: 1167.6/54

All: 11.073+/-0.437 χ^2/NDF: 2254.7/111

\- sign 10.816+/-0.621 χ^2/NDF: 1086.8/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 235.770+/-0.966 χ^2/NDF: 11577.9/29

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 241.850+/-0.870 χ^2/NDF: 17078.5/33

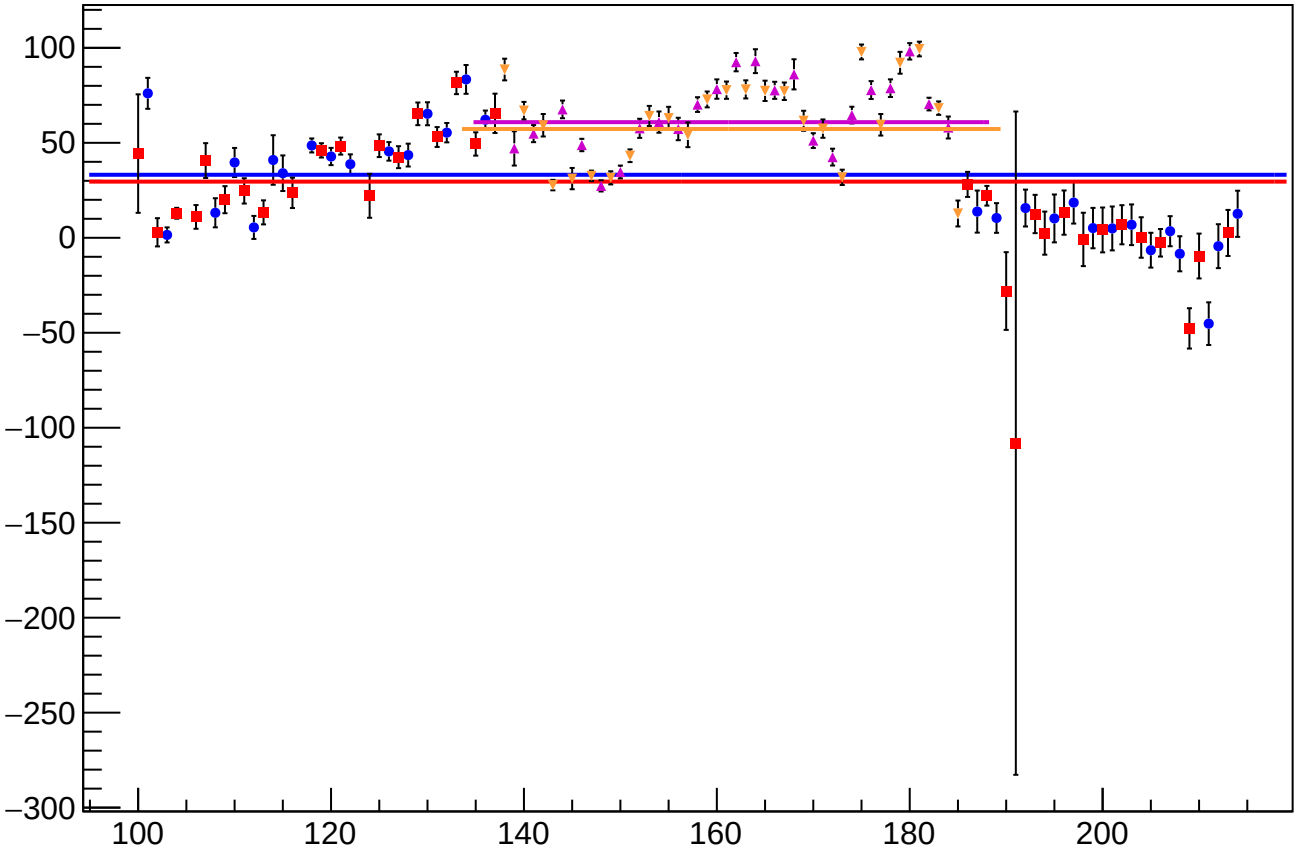
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.228+/-0.699 χ^2/NDF: 15613.7/54

All: 235.112+/-0.485 χ^2/NDF: 35795.3/111

- sign 239.650+/-0.674 χ^2/NDF: 20087.4/56

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 33.180+/-1.242 χ^2/NDF: 433.6/29

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

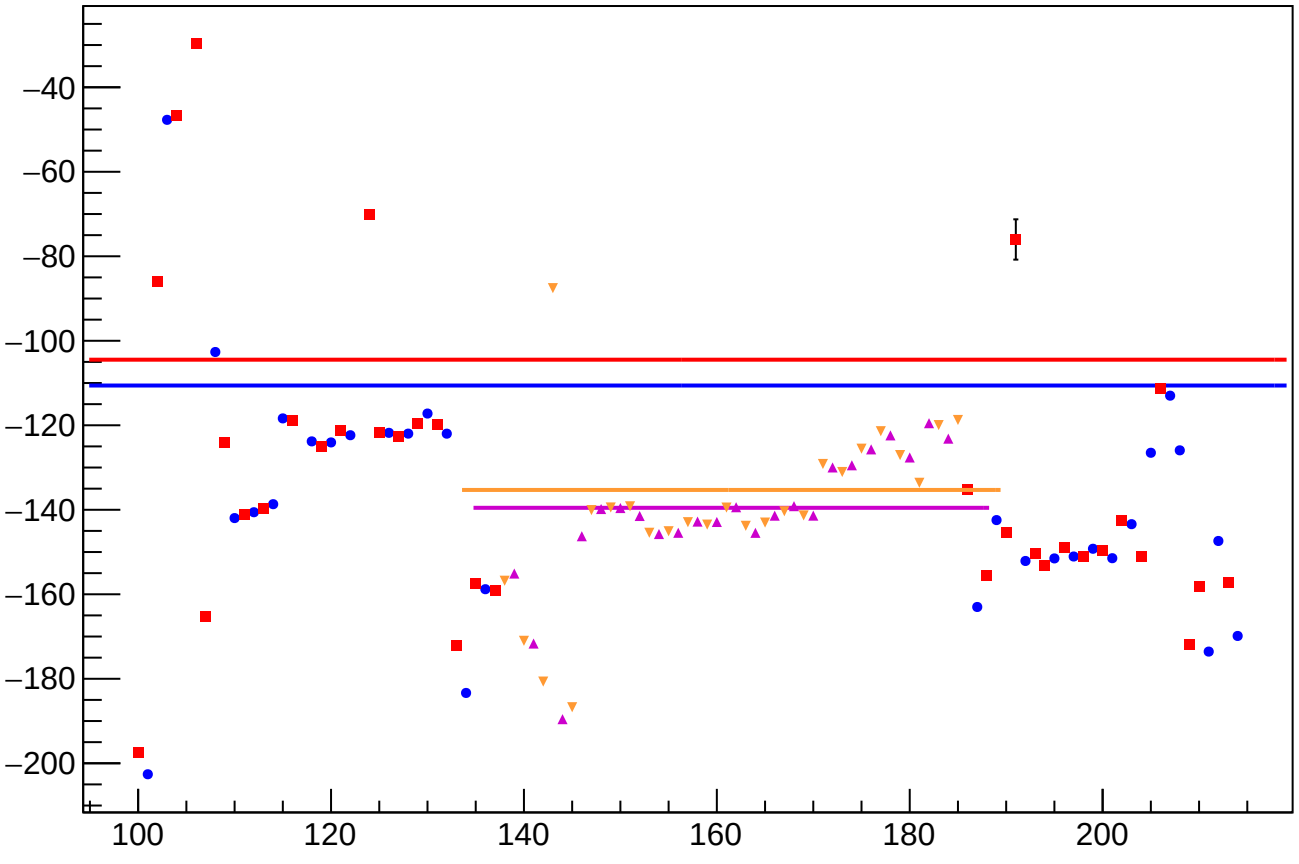
Right Out: 29.578+/-1.165 χ^2/NDF: 406.4/33

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 49.375+/-0.711 χ^2/NDF: 1454.6/54

All: 49.101+/-0.507 χ^2/NDF: 2759.6/111

- sign 48.816+/-0.723 χ^2/NDF: 1304.7/56



Right In: -110.589+/-0.057 χ^2/NDF: 693070.5/29

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -104.476+/-0.056 χ^2/NDF: 756688.9/33

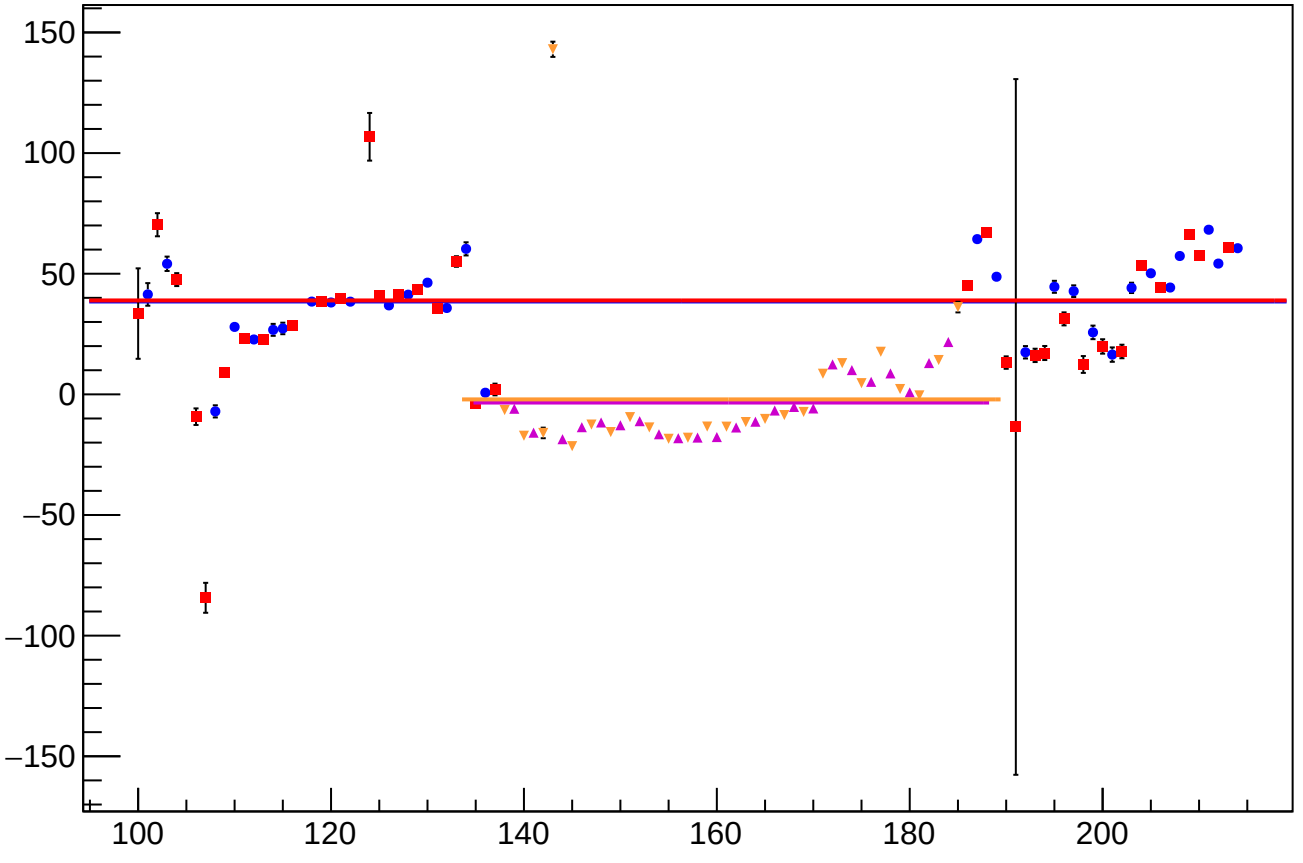
Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

\+ sign -127.078+/-0.033 χ^2/NDF: 1079448.2/54

All: -126.906+/-0.024 χ^2/NDF: 2203793.2/11

\- sign -126.730+/-0.034 χ^2/NDF: 1124290.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 38.498+/-0.323 χ^2/NDF: 3166.8/29

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

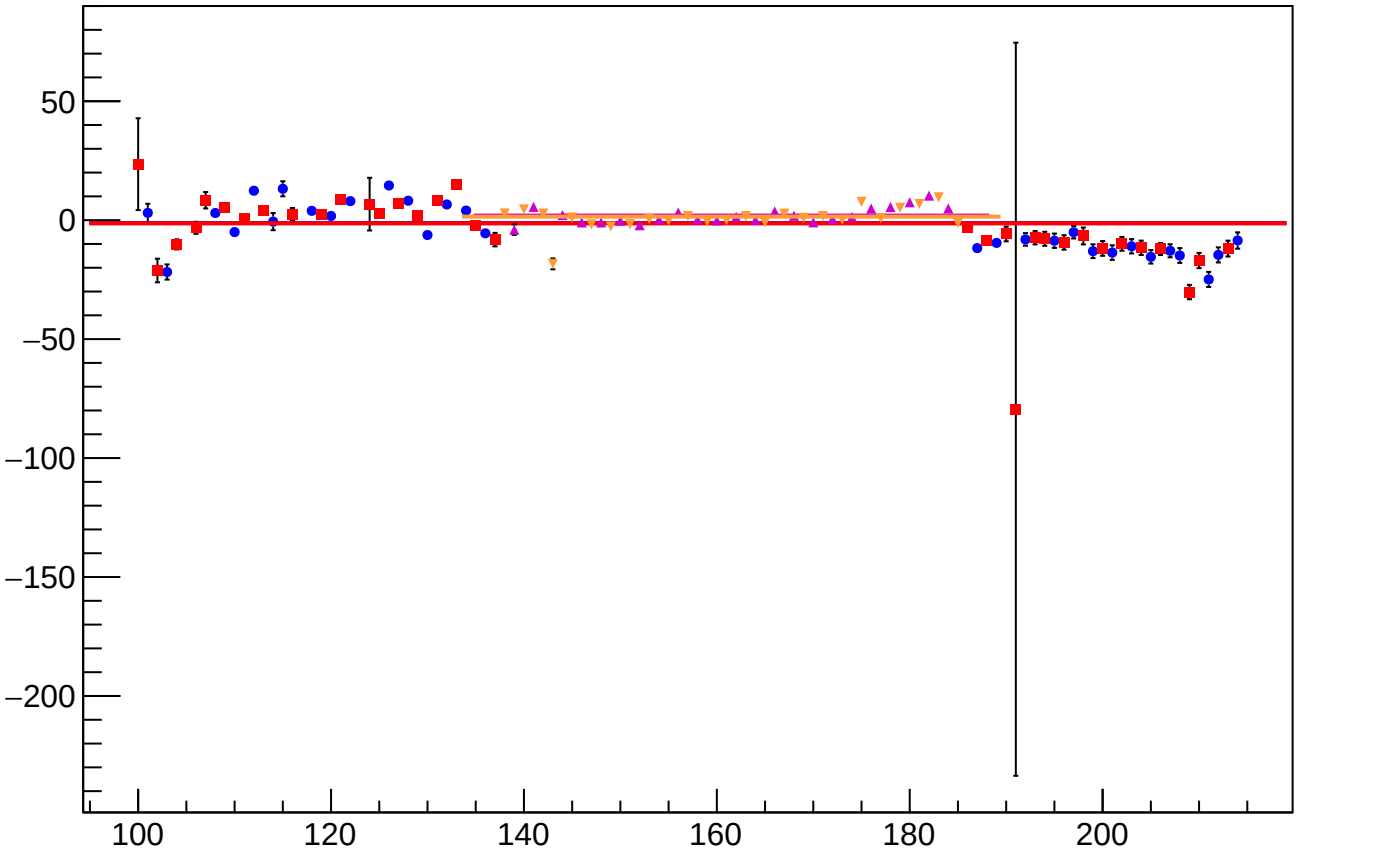
Right Out: 38.922+/-0.294 χ^2/NDF: 5311.3/33

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 14.384+/-0.206 χ^2/NDF: 16764.6/54

All: 15.257+/-0.143 χ^2/NDF: 35055.9/111

\- sign 16.077+/-0.199 χ^2/NDF: 18256.4/56



Right In: -1.235+/-0.374 χ^2/NDF: 591.4/29

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

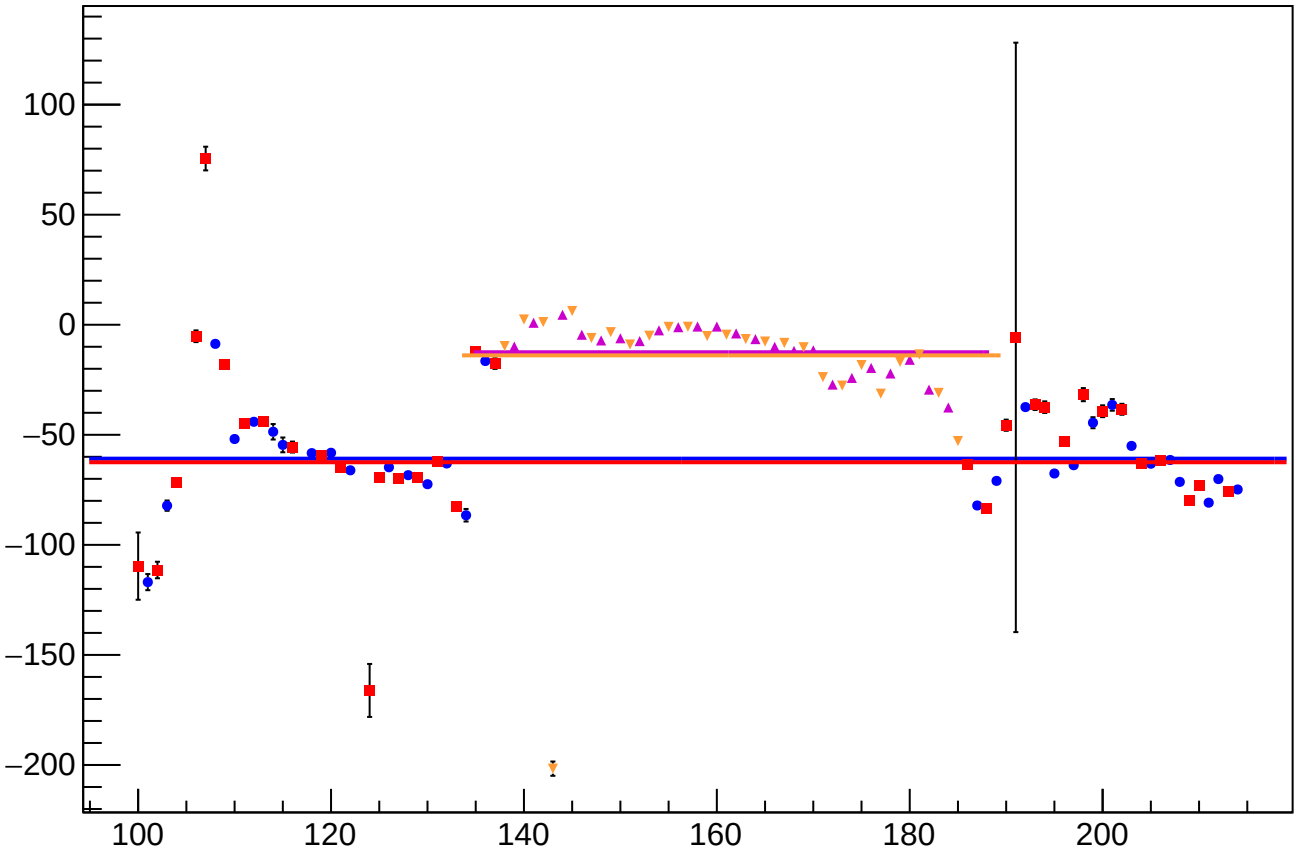
Right Out: -1.337+/-0.352 χ^2/NDF: 538.6/33

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 0.860+/-0.180 χ^2/NDF: 960.8/54

All: 0.964+/-0.127 χ^2/NDF: 1804.4/111

- sign 1.070+/-0.181 χ^2/NDF: 843.0/56



Right In: -60.836+/-0.334 χ^2/NDF: 3625.5/29

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.467+/-0.291 χ^2/NDF: 5674.6/33

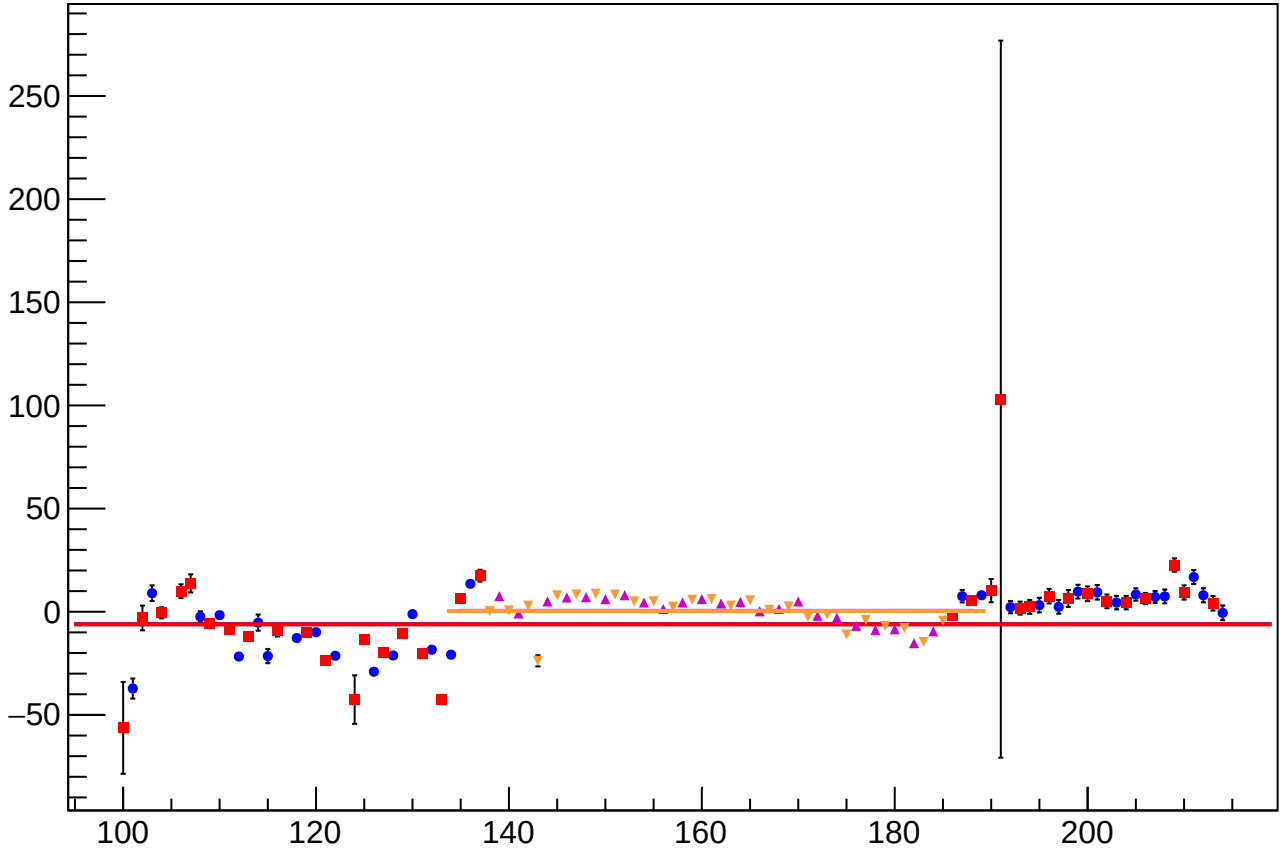
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -32.001+/-0.207 χ^2/NDF: 20871.4/54

All: -33.851+/-0.143 χ^2/NDF: 44068.3/111

\- sign -35.524+/-0.197 χ^2/NDF: 23045.5/56

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -6.049+/-0.434 χ^2/NDF: 1003.9/29

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

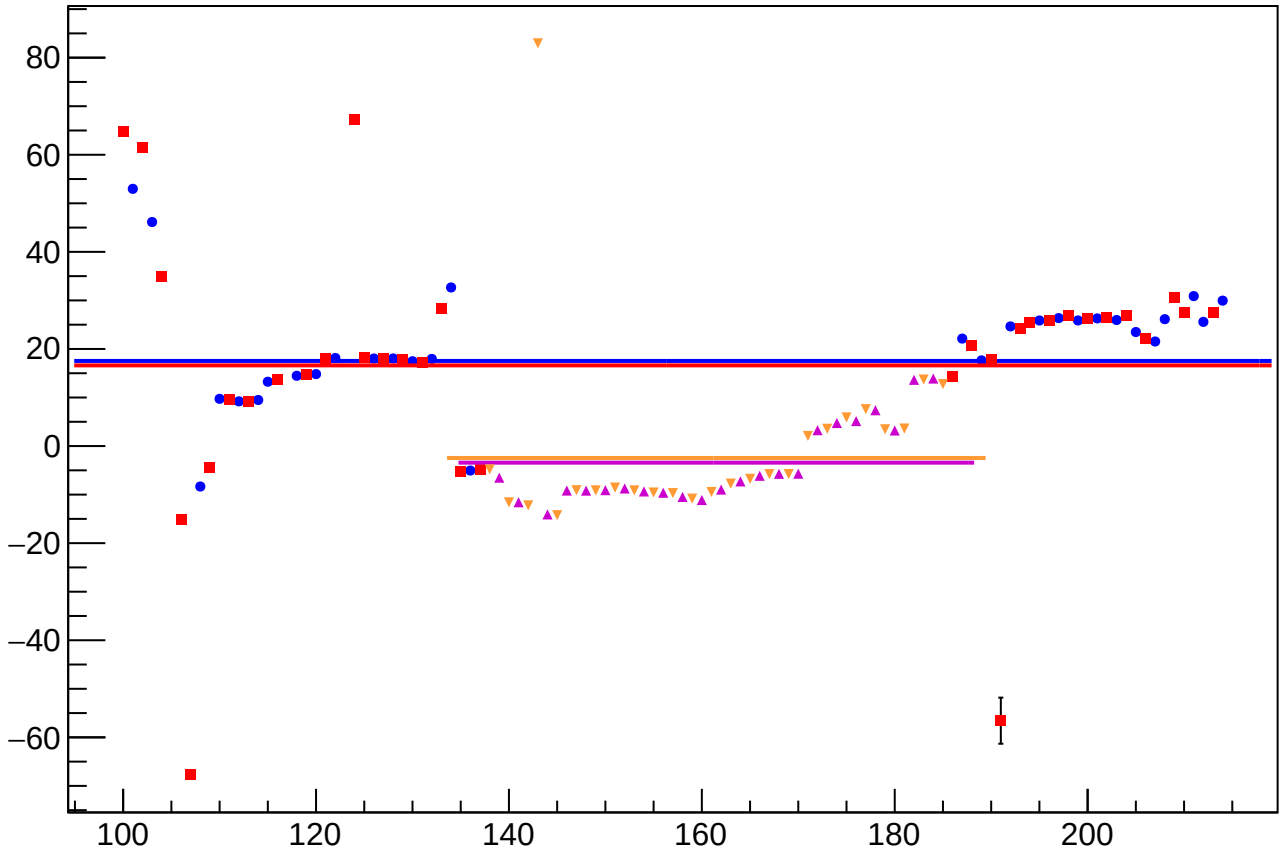
Right Out: -6.060+/-0.421 χ^2/NDF: 1050.0/33

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.072+/-0.204 χ^2/NDF: 2095.1/54

All: -1.099+/-0.145 χ^2/NDF: 4108.0/111

- sign -1.126+/-0.206 χ^2/NDF: 2012.9/56



Right In: 17.533+/-0.022 χ^2/NDF: 452317.3/29

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

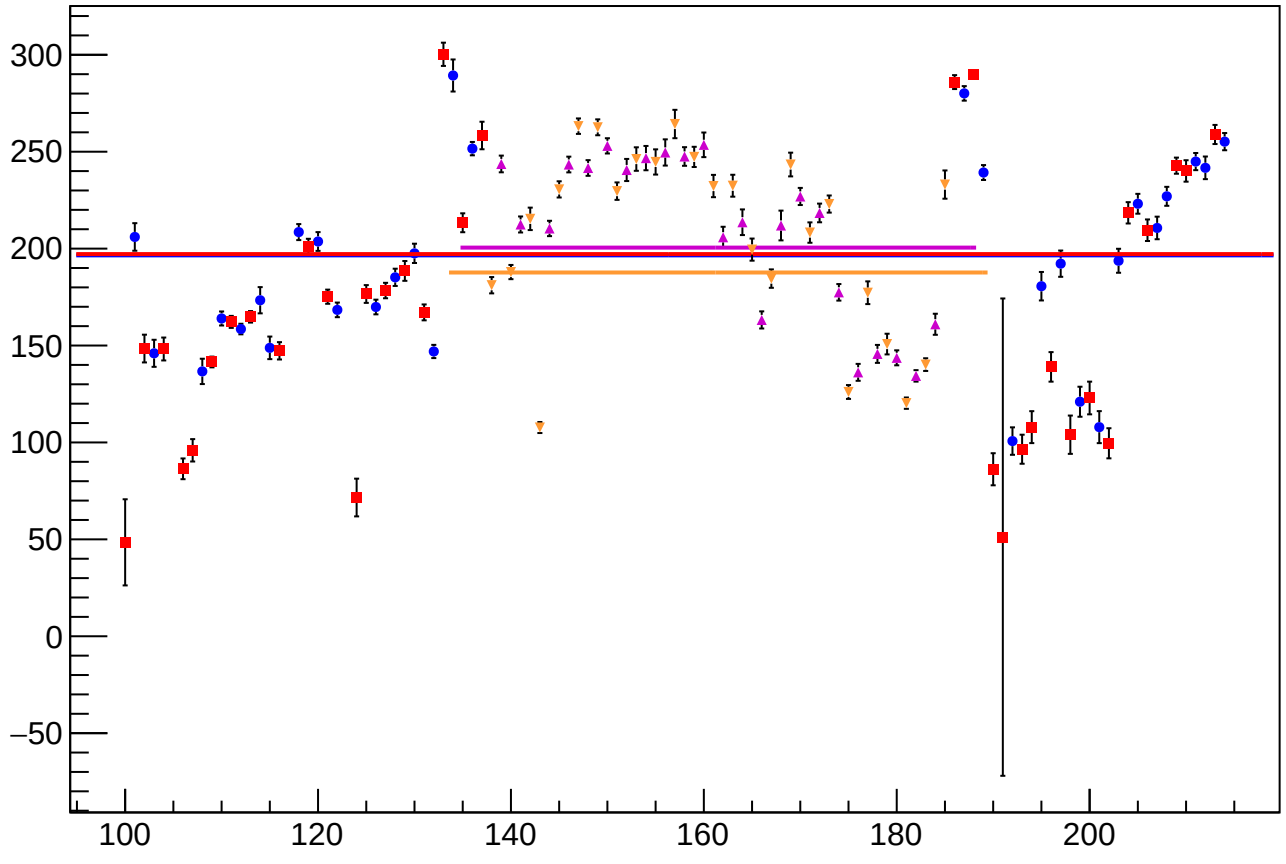
Right Out: 16.617+/-0.022 χ^2/NDF: 575446.6/33

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.195+/-0.009 χ^2/NDF: 2094219.0/54

All: 0.759+/-0.007 χ^2/NDF: 3907396.7/111

- sign 0.317+/-0.009 χ^2/NDF: 1808804.6/56



Right In: 196.525+/-0.864 χ^2/NDF: 2650.8/29

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

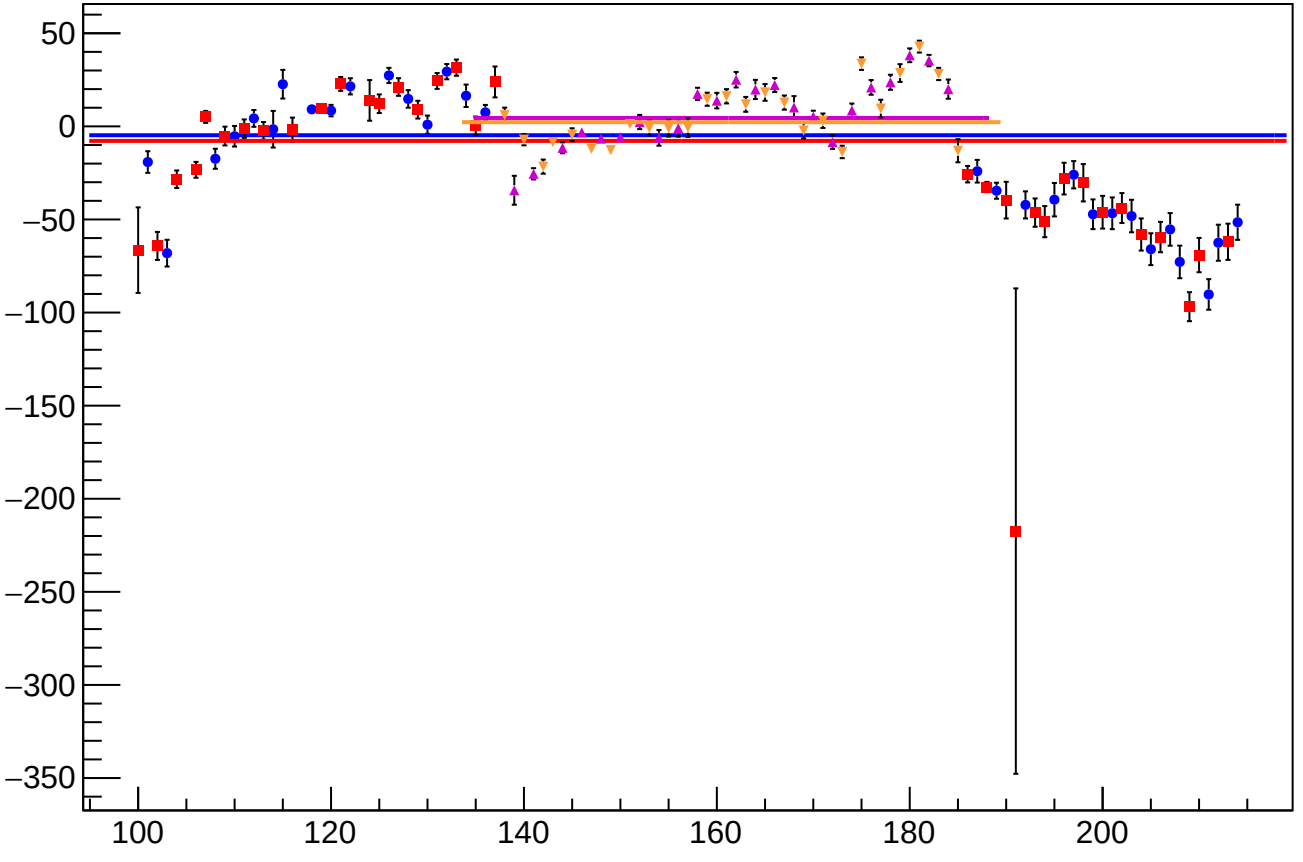
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 192.271+/-0.623 χ^2/NDF: 6229.5/54

All: 195.472+/-0.436 χ^2/NDF: 14771.2/111

\- sign 198.540+/-0.610 χ^2/NDF: 8489.9/56

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -4.769+/-0.973 χ^2/NDF: 861.5/29

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

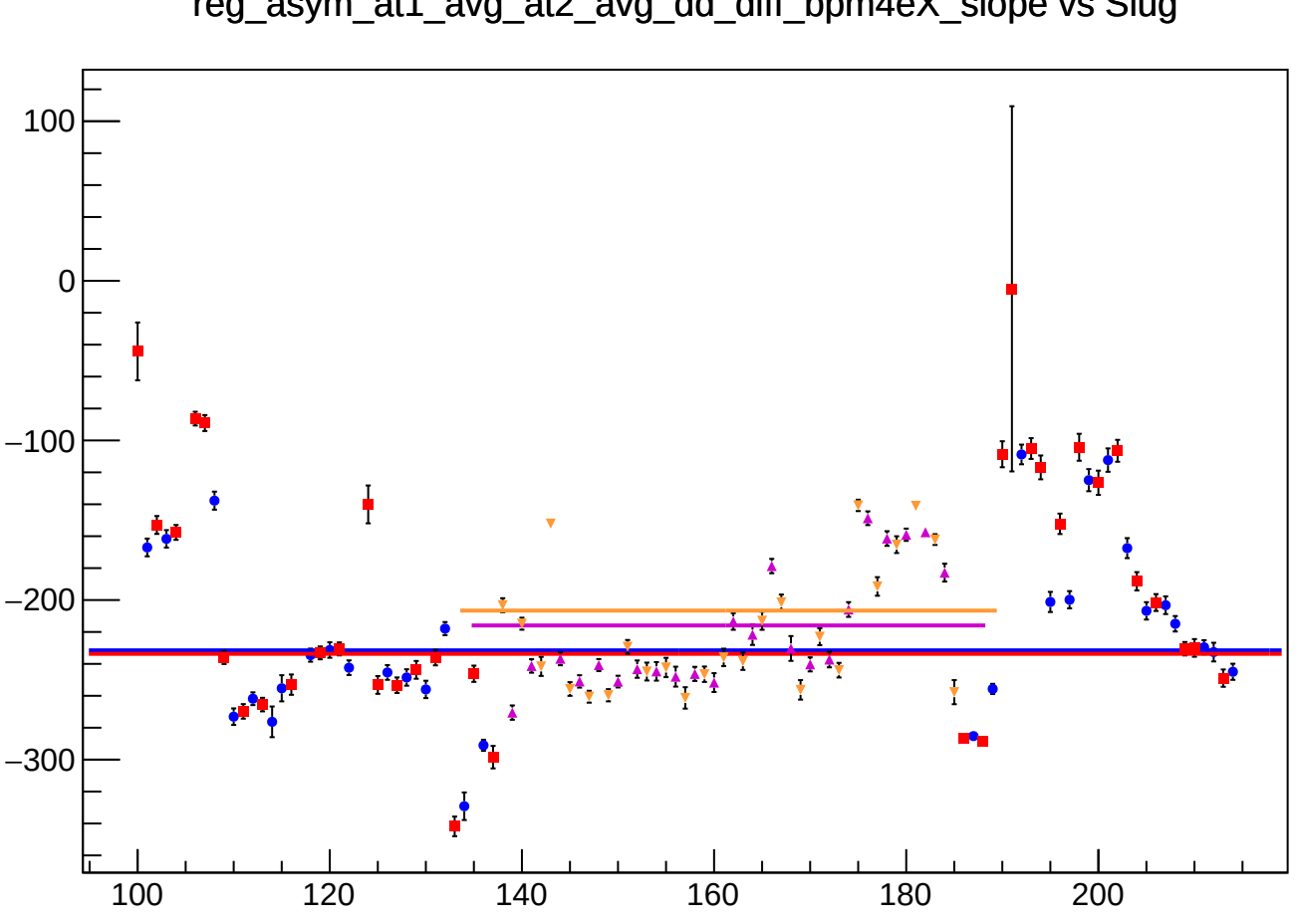
Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.014+/-0.549 χ^2/NDF: 1497.8/54

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111

- sign -0.234+/-0.560 χ^2/NDF: 1607.9/56



Right In: -231.527+/-0.903 χ^2/NDF: 2690.5/29

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

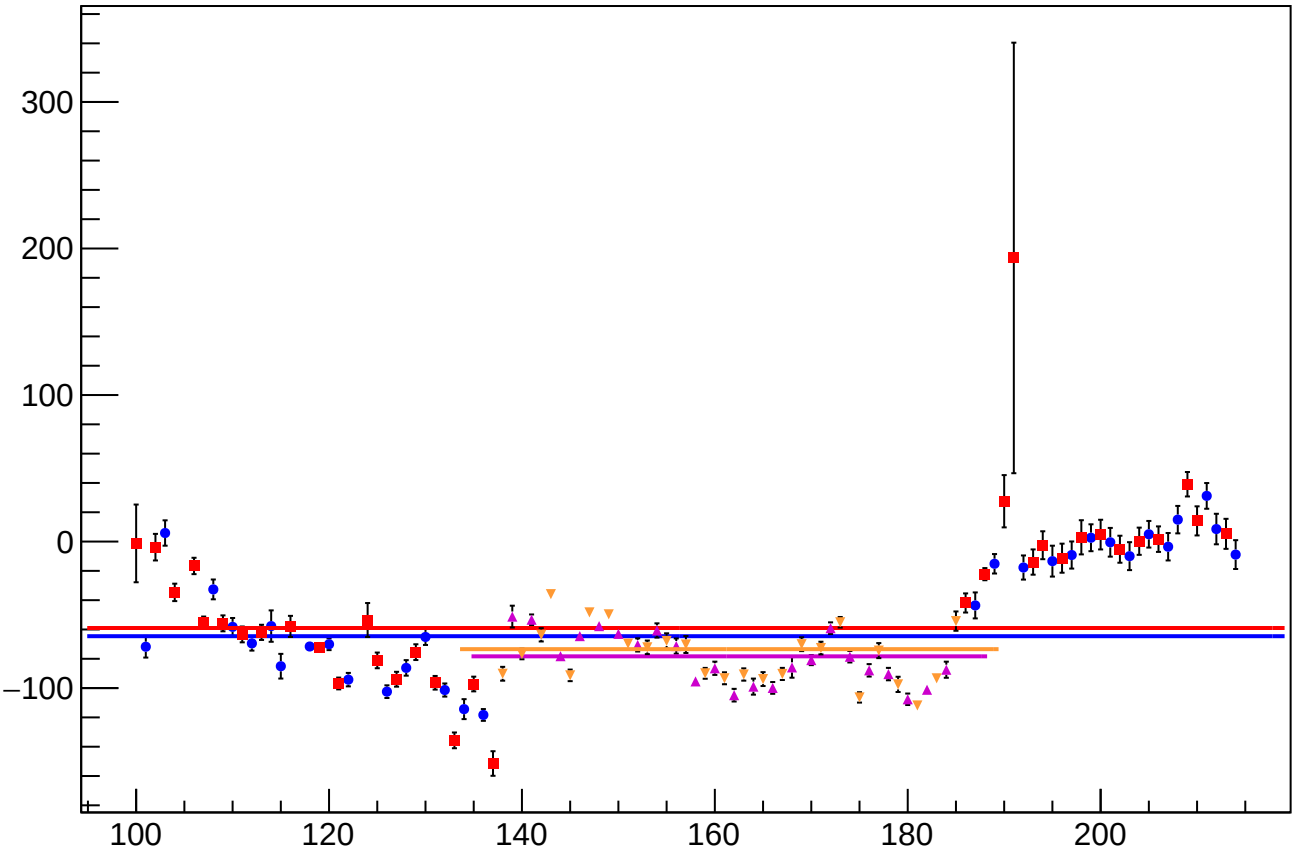
Right Out: -233.692+/-0.800 χ^2/NDF: 6668.3/33

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.958+/-0.636 χ^2/NDF: 5542.3/54

All: -222.772+/-0.440 χ^2/NDF: 14197.2/111

- sign -226.294+/-0.611 χ^2/NDF: 8585.6/56



Right In: -64.585+/-1.136 χ^2/NDF: 1194.1/29

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

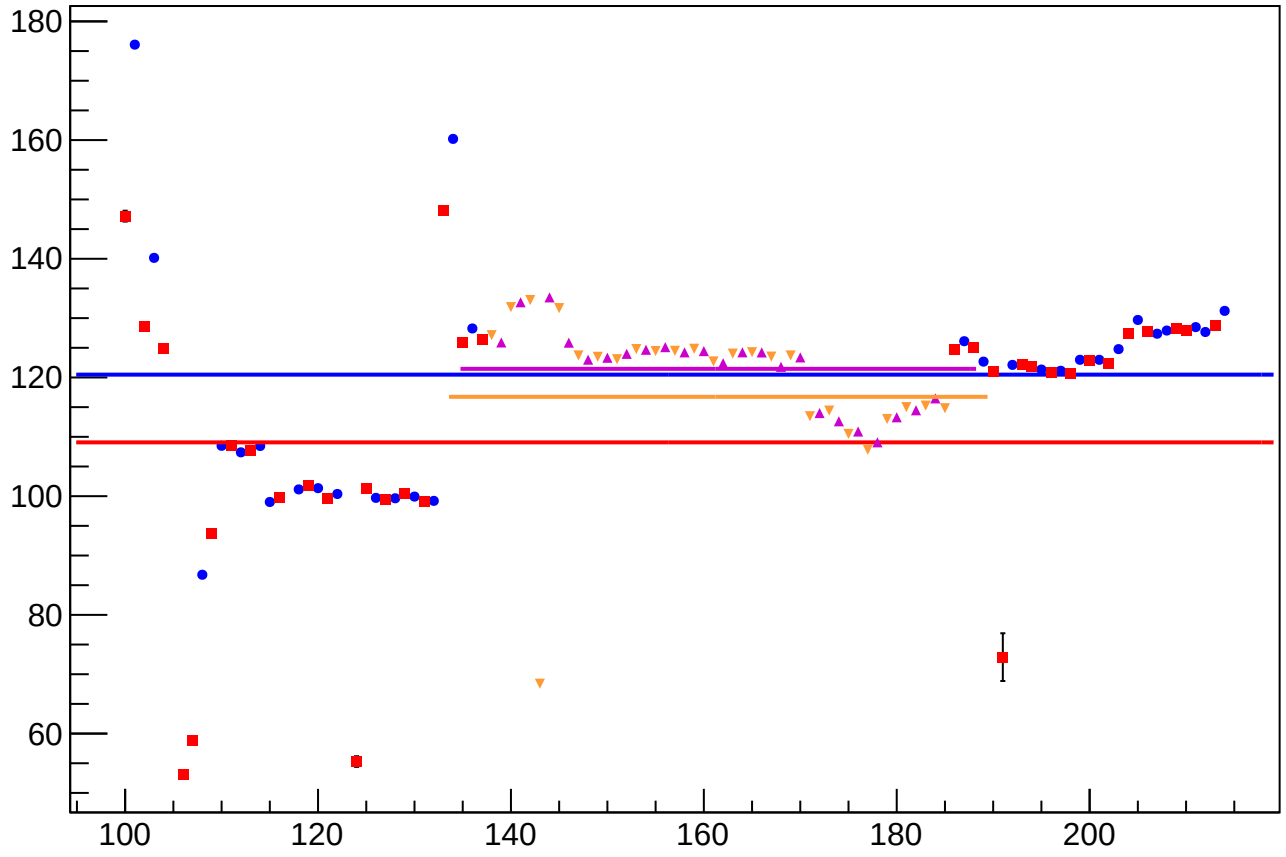
Right Out: -58.994+/-1.073 χ^2/NDF: 1362.8/33

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -70.657+/-0.636 χ^2/NDF: 2072.3/54

All: -70.938+/-0.455 χ^2/NDF: 4084.2/111

- sign -71.233+/-0.650 χ^2/NDF: 2011.5/56



Right In: 120.478+/-0.060 χ^2/NDF: 99461.1/29

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

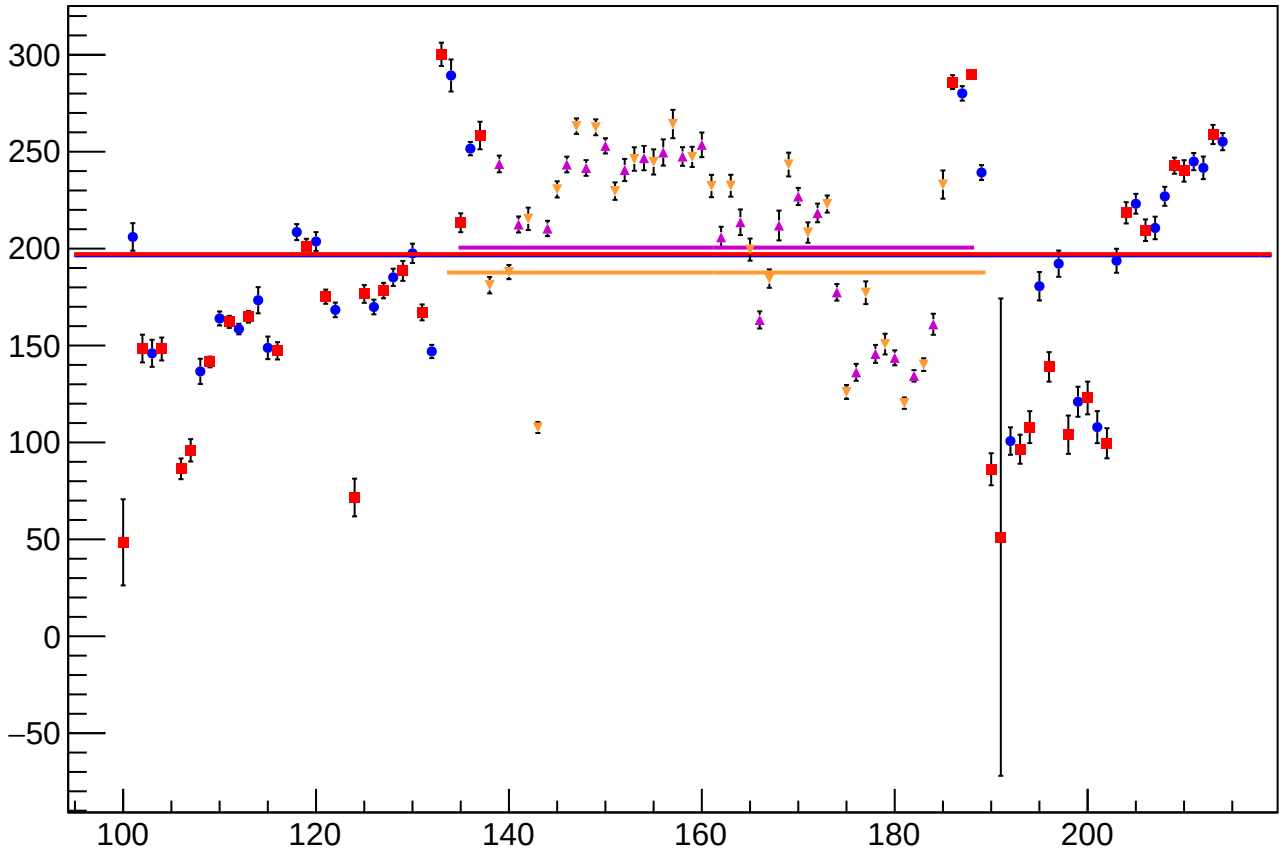
Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.731+/-0.031 χ^2/NDF: 305997.1/54

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111

- sign 117.546+/-0.031 χ^2/NDF: 277349.6/56



Right In: 196.525+/-0.864 χ^2/NDF: 2650.8/29

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

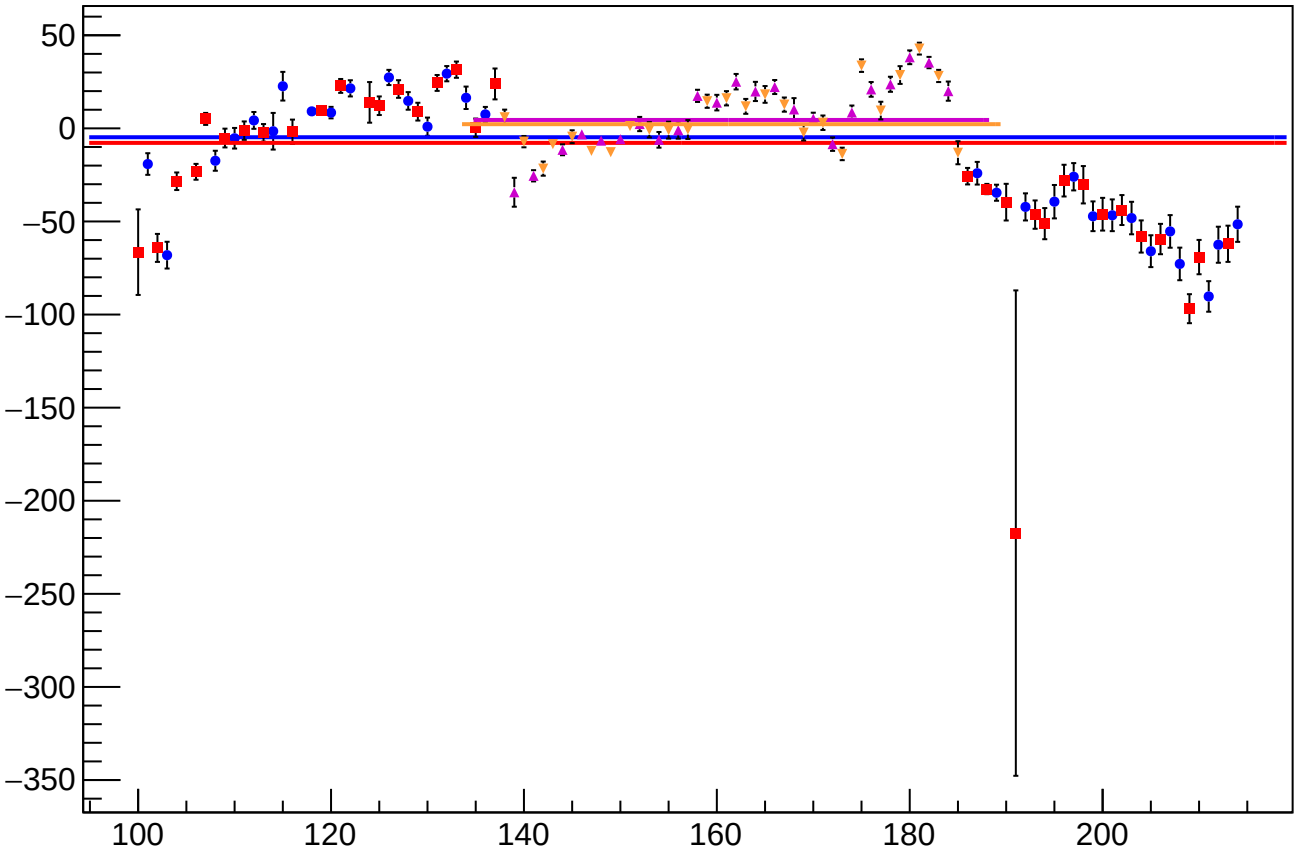
Right Out: 197.179+/-0.792 χ^2/NDF: 6371.3/33

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 192.271+/-0.623 χ^2/NDF: 6229.5/54

All: 195.472+/-0.436 χ^2/NDF: 14771.2/111

\- sign 198.540+/-0.610 χ^2/NDF: 8489.9/56



Right In: -4.769+/-0.973 χ^2/NDF: 861.5/29

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

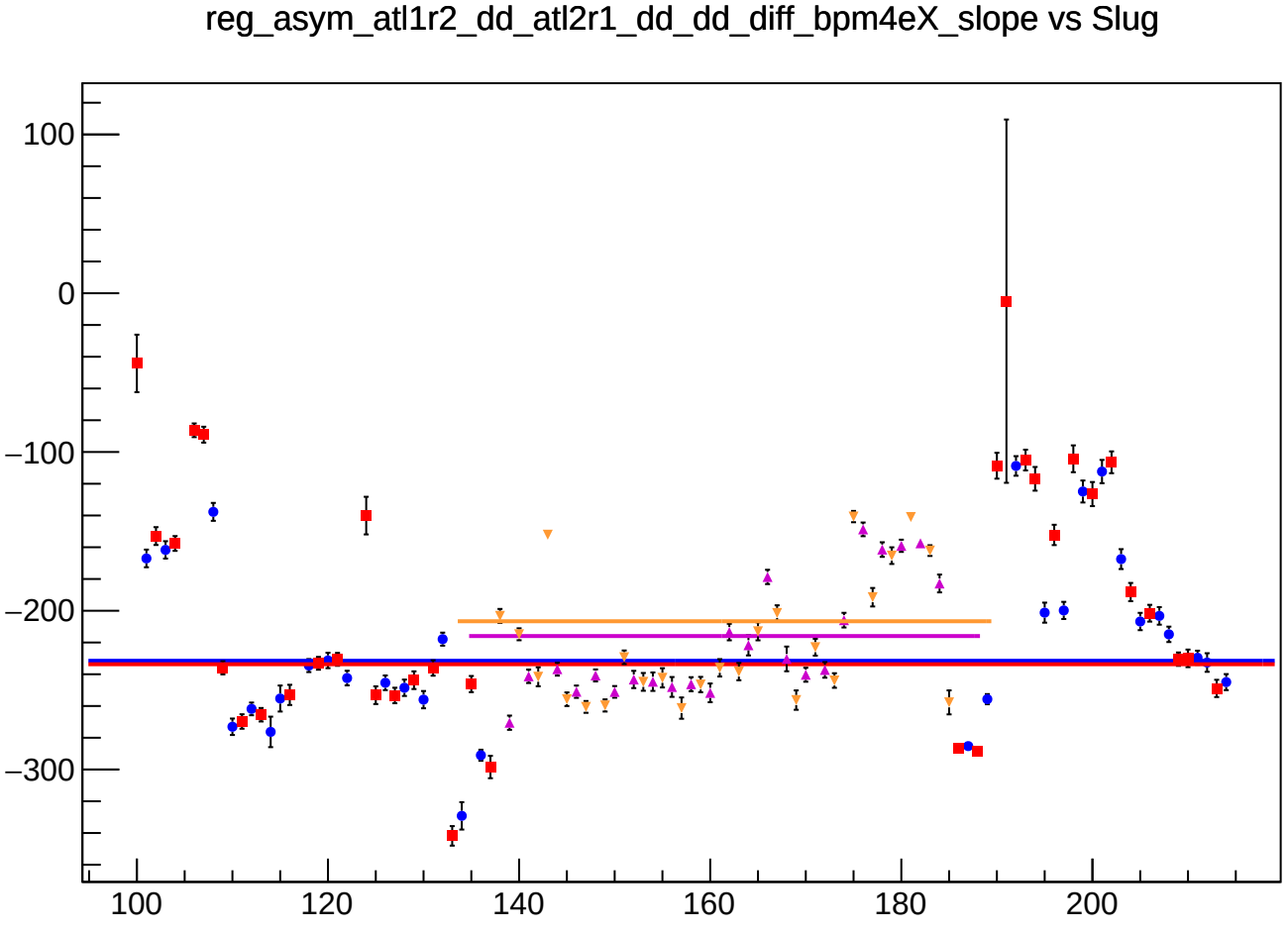
Right Out: -7.800+/-0.902 χ^2/NDF: 946.2/33

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 0.014+/-0.549 χ^2/NDF: 1497.8/54

All: -0.108+/-0.392 χ^2/NDF: 3105.8/111

- sign -0.234+/-0.560 χ^2/NDF: 1607.9/56



Right In: -231.527+/-0.903 χ^2/NDF: 2690.5/29

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

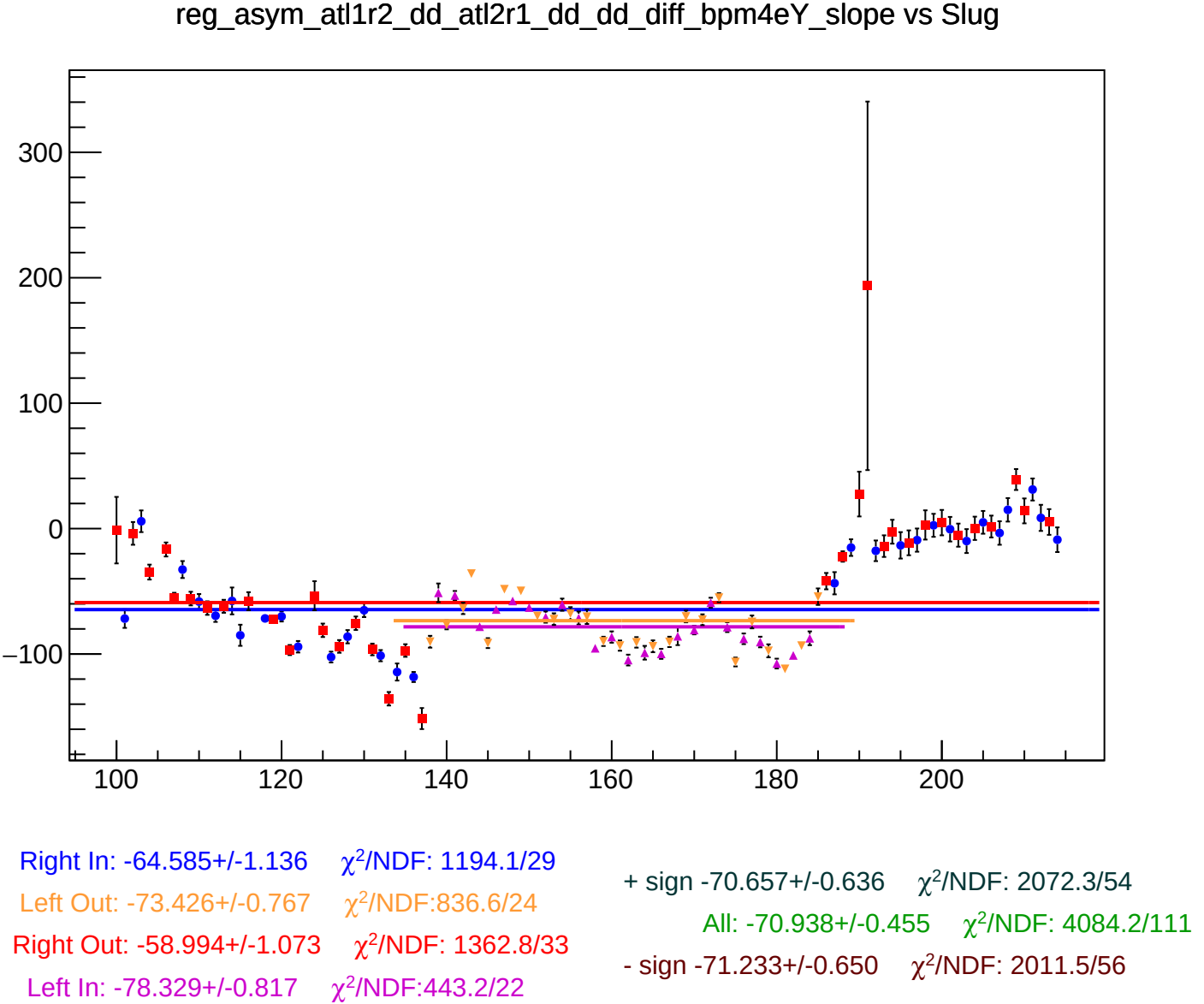
Right Out: -233.692+/-0.800 χ^2/NDF: 6668.3/33

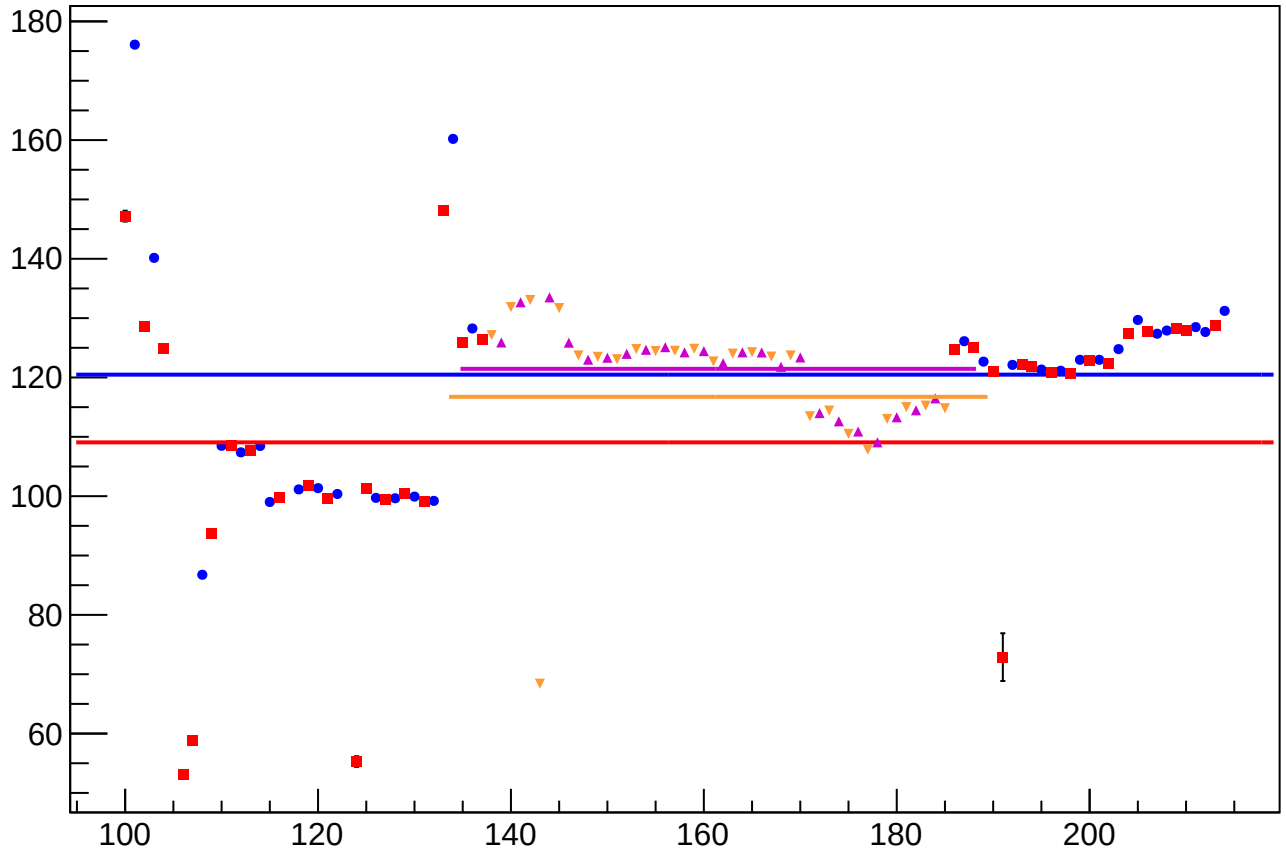
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.958+/-0.636 χ^2/NDF: 5542.3/54

All: -222.772+/-0.440 χ^2/NDF: 14197.2/111

- sign -226.294+/-0.611 χ^2/NDF: 8585.6/56


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug
300
200
100
0
−100
100
120
140
160
180
200
Right In: -64.585+/-1.136 χ²/NDF: 1194.1/29
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -58.994+/-1.073 χ²/NDF: 1362.8/33
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
+ sign -70.657+/-0.636 χ²/NDF: 2072.3/54
All: -70.938+/-0.455 χ²/NDF: 4084.2/111
- sign -71.233+/-0.650 χ²/NDF: 2011.5/56



Right In: 120.478+/-0.060 χ^2/NDF: 99461.1/29

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

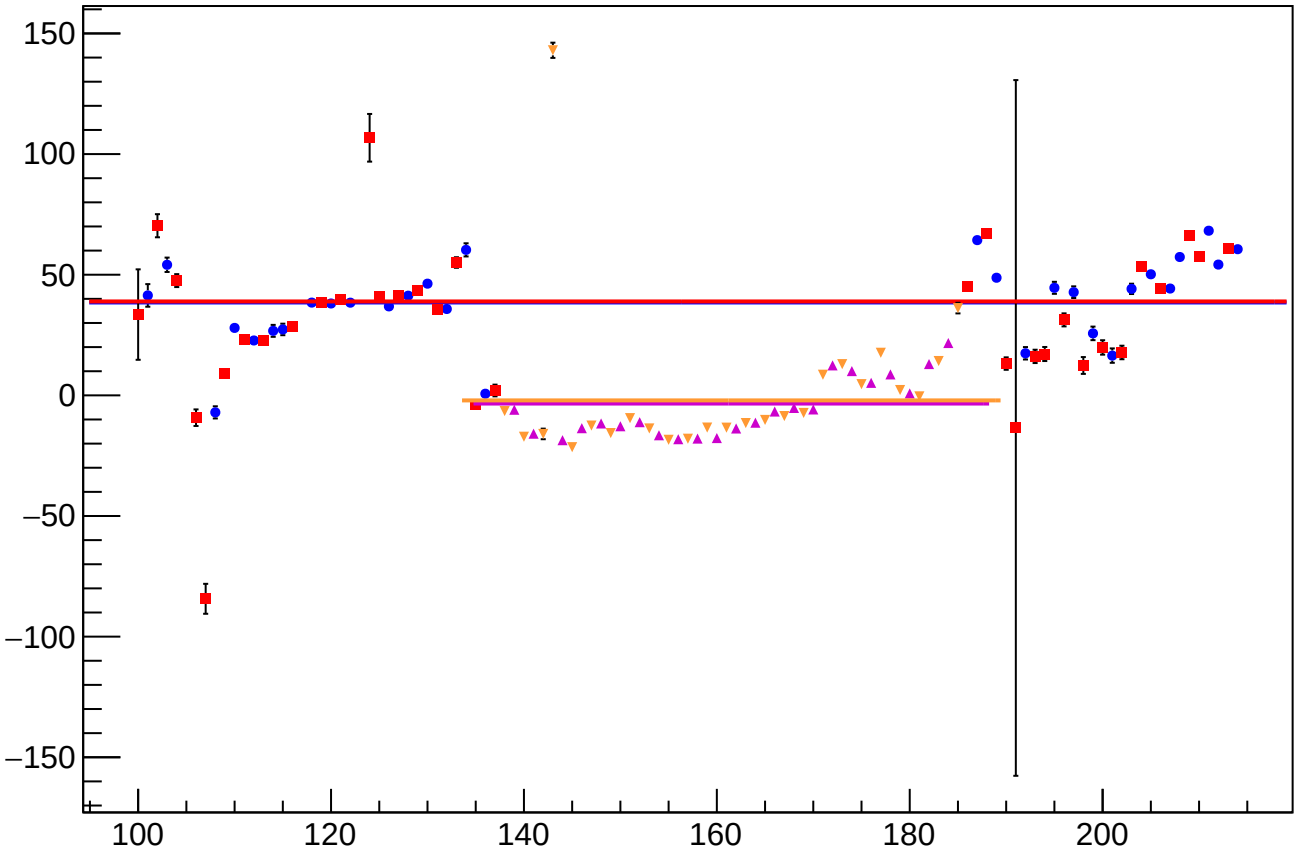
Right Out: 109.066+/-0.055 χ^2/NDF: 213683.9/33

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.731+/-0.031 χ^2/NDF: 305997.1/54

All: 117.639+/-0.022 χ^2/NDF: 583364.7/111

- sign 117.546+/-0.031 χ^2/NDF: 277349.6/56



Right In: 38.498+/-0.323 χ^2/NDF: 3166.8/29

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

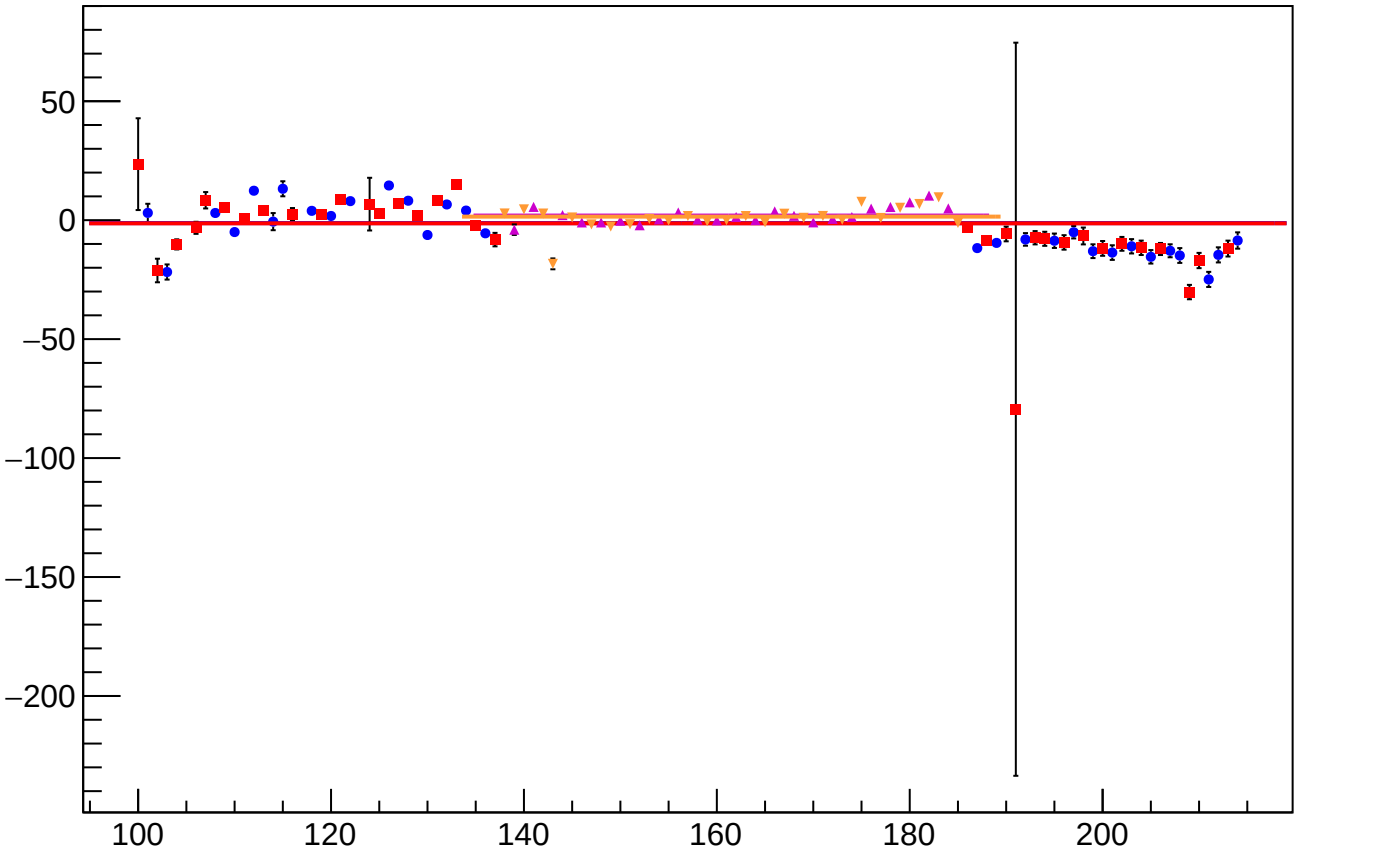
Right Out: 38.922+/-0.294 χ^2/NDF: 5311.3/33

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 14.384+/-0.206 χ^2/NDF: 16764.6/54

All: 15.257+/-0.143 χ^2/NDF: 35055.9/111

- sign 16.077+/-0.199 χ^2/NDF: 18256.4/56



Right In: -1.235+/-0.374 χ^2/NDF: 591.4/29

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

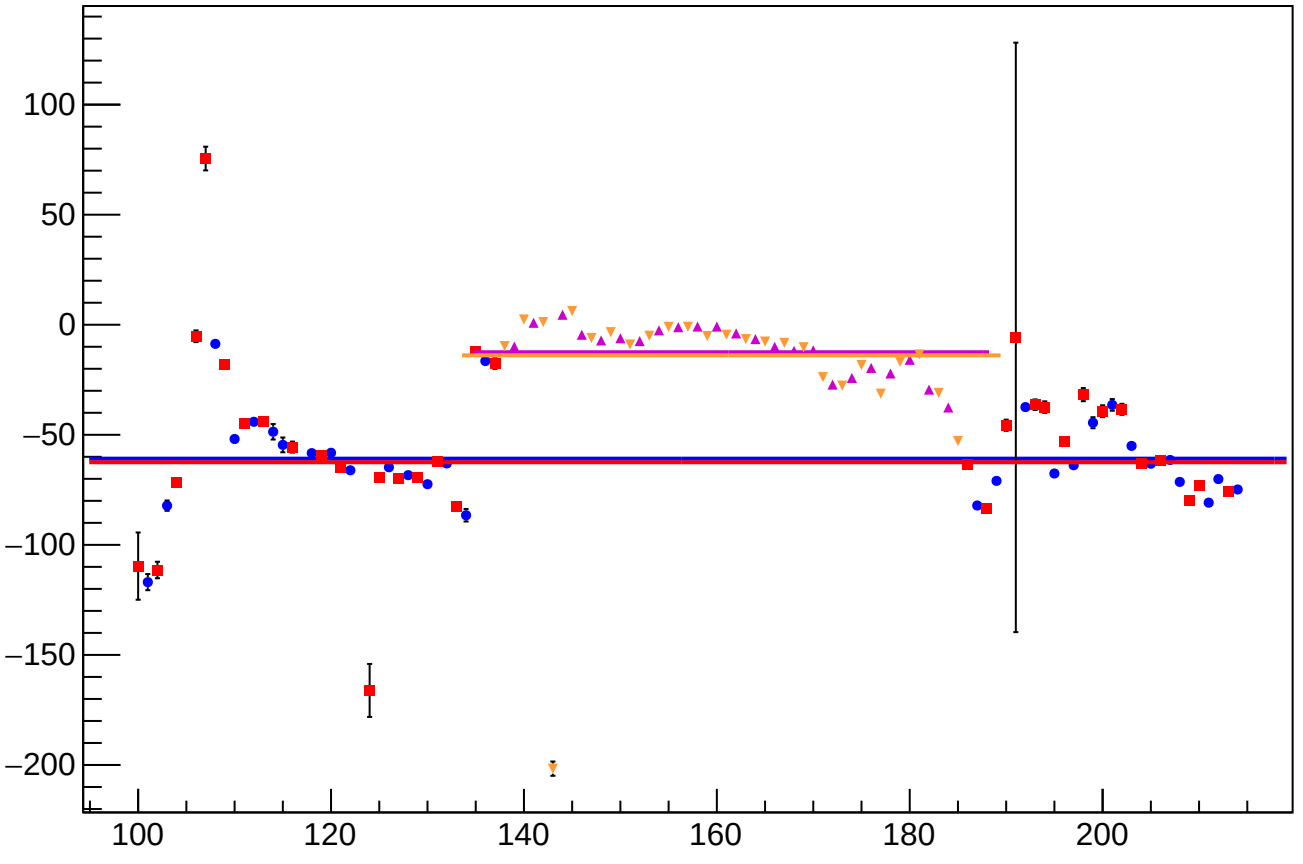
Right Out: -1.337+/-0.352 χ^2/NDF: 538.6/33

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.860+/-0.180 χ^2/NDF: 960.8/54

All: 0.964+/-0.127 χ^2/NDF: 1804.4/111

\- sign 1.070+/-0.181 χ^2/NDF: 843.0/56



Right In: -60.836+/-0.334 χ^2/NDF: 3625.5/29

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

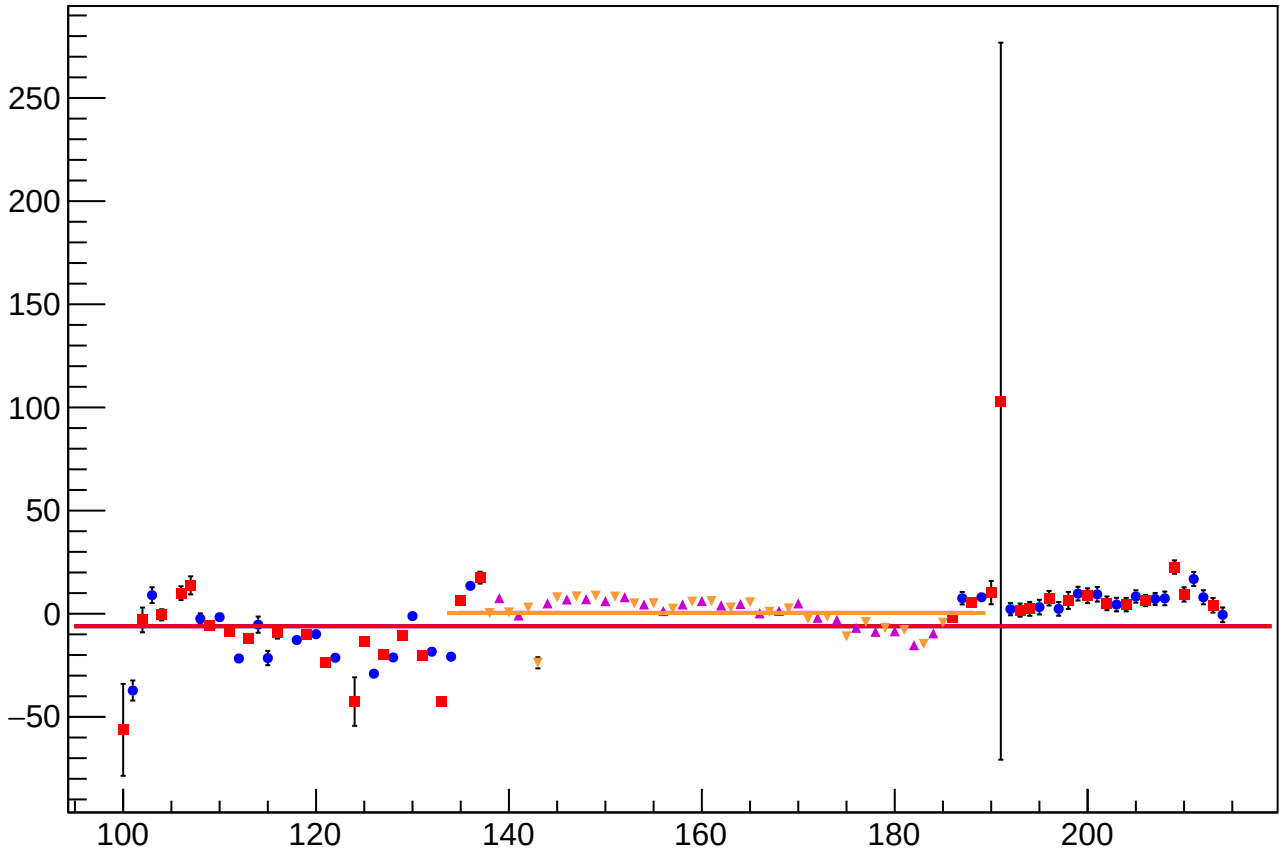
Right Out: -62.467+/-0.291 χ^2/NDF: 5674.6/33

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -32.001+/-0.207 χ^2/NDF: 20871.4/54

All: -33.851+/-0.143 χ^2/NDF: 44068.3/111

\- sign -35.524+/-0.197 χ^2/NDF: 23045.5/56



Right In: -6.049+/-0.434 χ^2/NDF: 1003.9/29

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

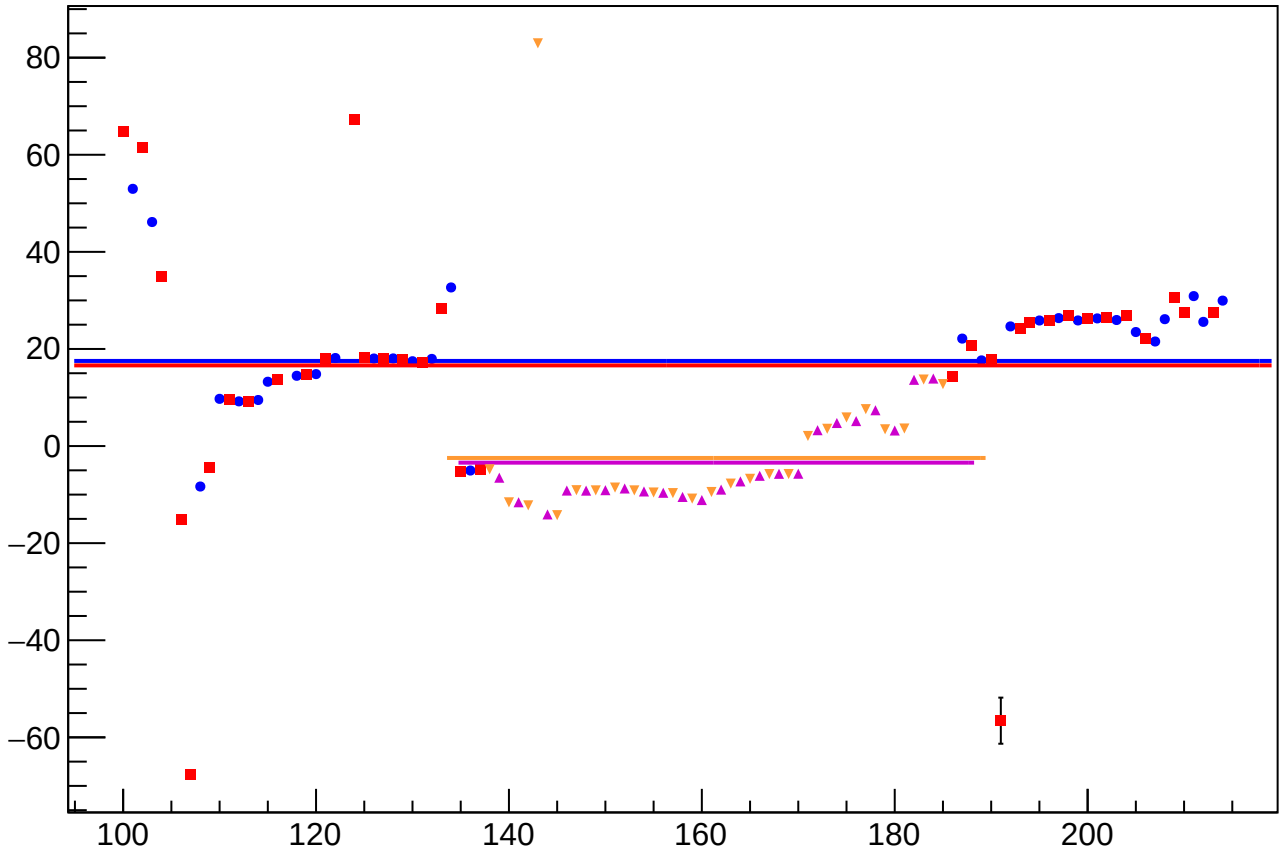
Right Out: -6.060+/-0.421 χ^2/NDF: 1050.0/33

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.072+/-0.204 χ^2/NDF: 2095.1/54

All: -1.099+/-0.145 χ^2/NDF: 4108.0/111

\- sign -1.126+/-0.206 χ^2/NDF: 2012.9/56



Right In: 17.533+/-0.022 χ^2/NDF: 452317.3/29

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

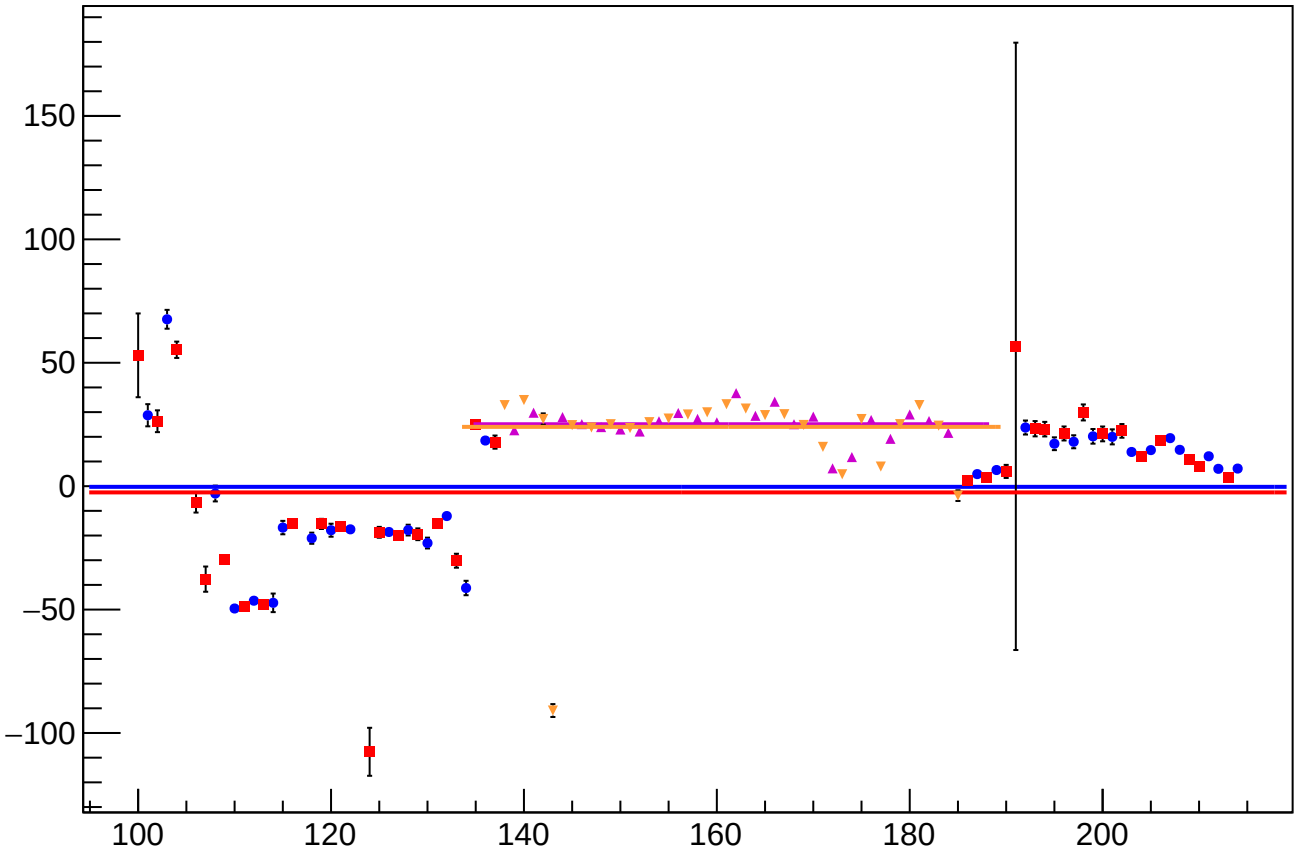
Right Out: 16.617+/-0.022 χ^2/NDF: 575446.6/33

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.195+/-0.009 χ^2/NDF: 2094219.0/54

All: 0.759+/-0.007 χ^2/NDF: 3907396.7/111

- sign 0.317+/-0.009 χ^2/NDF: 1808804.6/56



Right In: -0.270+/-0.366 χ^2/NDF: 3704.3/29

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

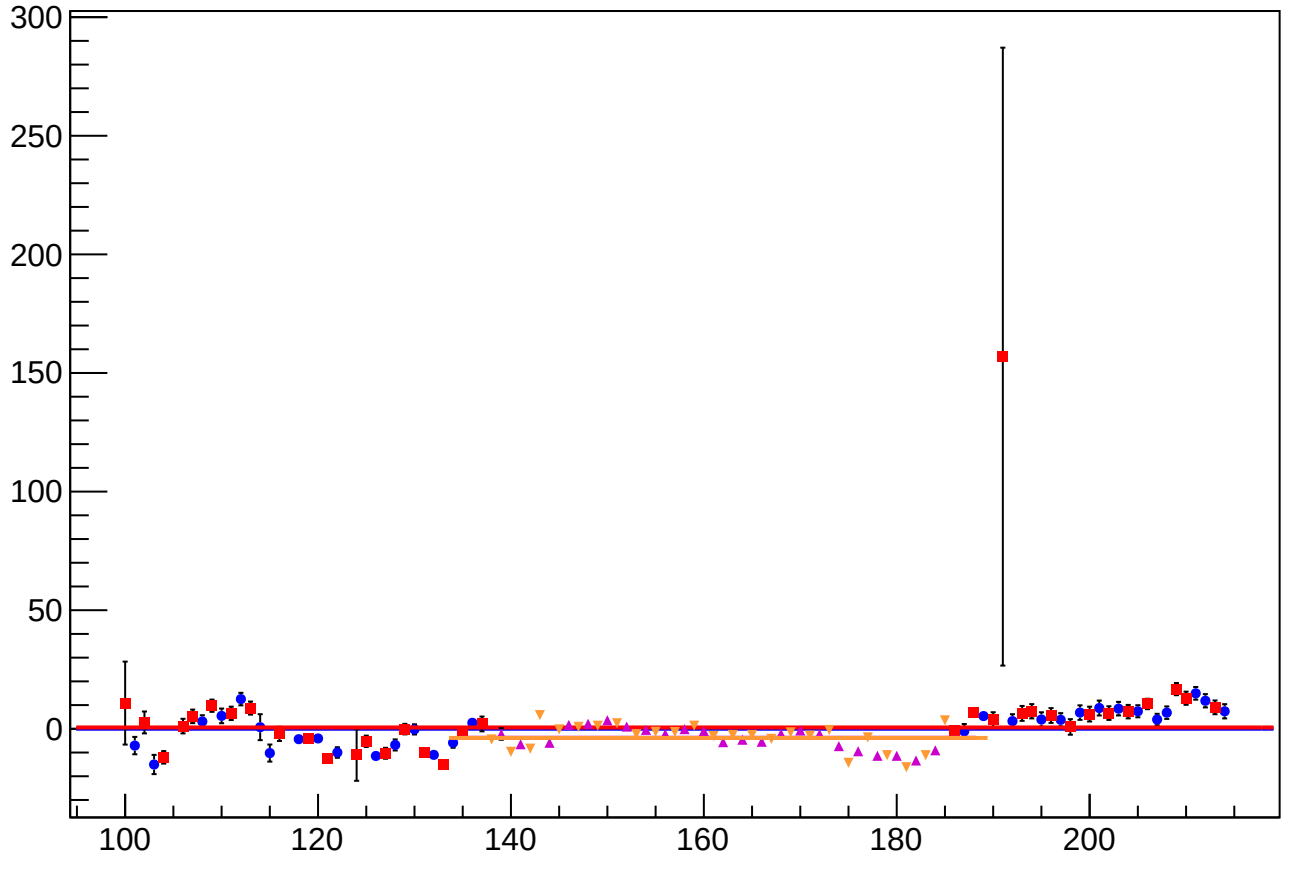
Right Out: -2.526+/-0.353 χ^2/NDF: 3889.2/33

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.978+/-0.223 χ^2/NDF: 9270.0/54

All: 14.537+/-0.158 χ^2/NDF: 17341.9/111

- sign 14.098+/-0.223 χ^2/NDF: 8064.1/56



Right In: 0.031+/-0.441 χ^2/NDF: 274.2/29

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

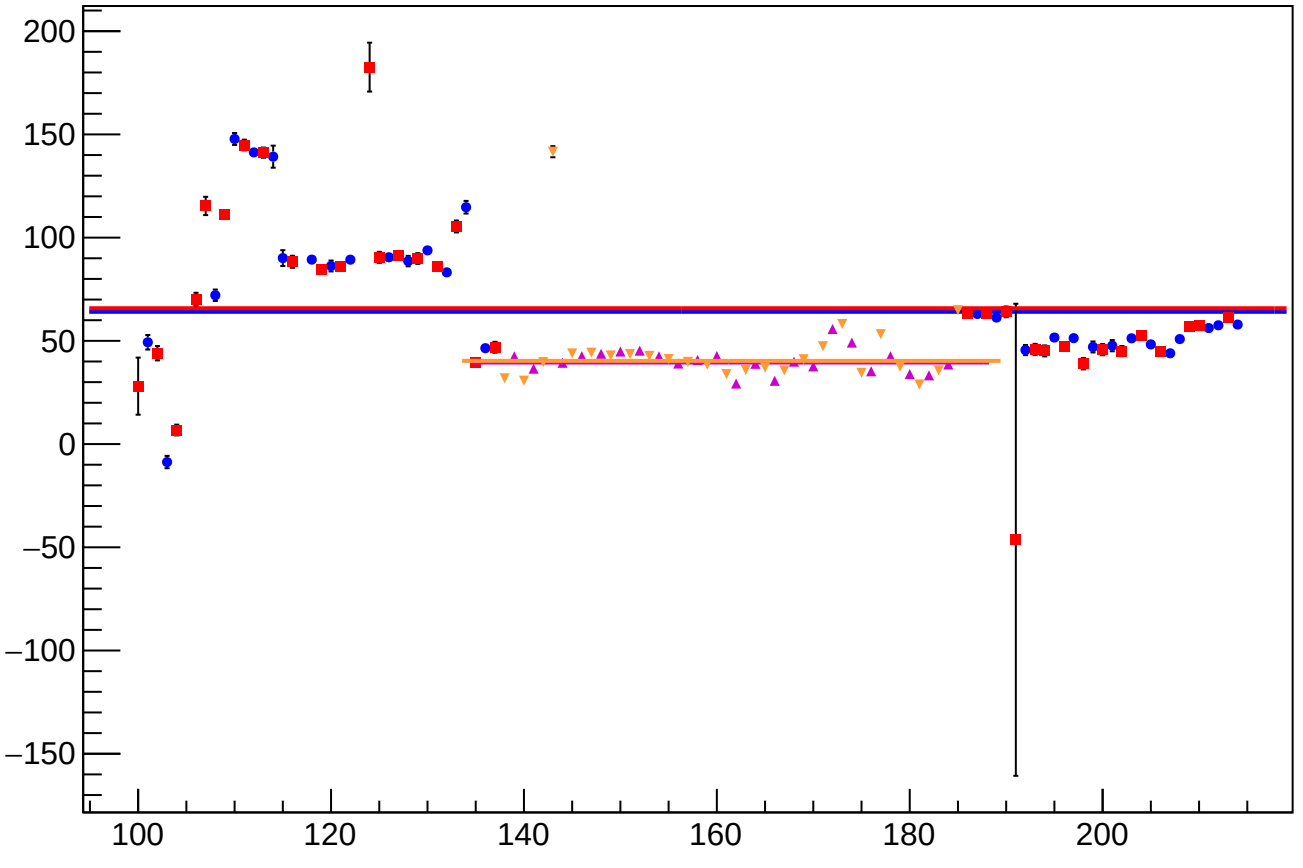
Right Out: 0.567+/-0.428 χ^2/NDF: 355.3/33

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

\+ sign -3.085+/-0.195 χ^2/NDF: 985.6/54

All: -2.968+/-0.139 χ^2/NDF: 1932.7/111

\- sign -2.847+/-0.198 χ^2/NDF: 946.3/56



Right In: 64.078+/-0.376 χ^2/NDF: 4675.4/29

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

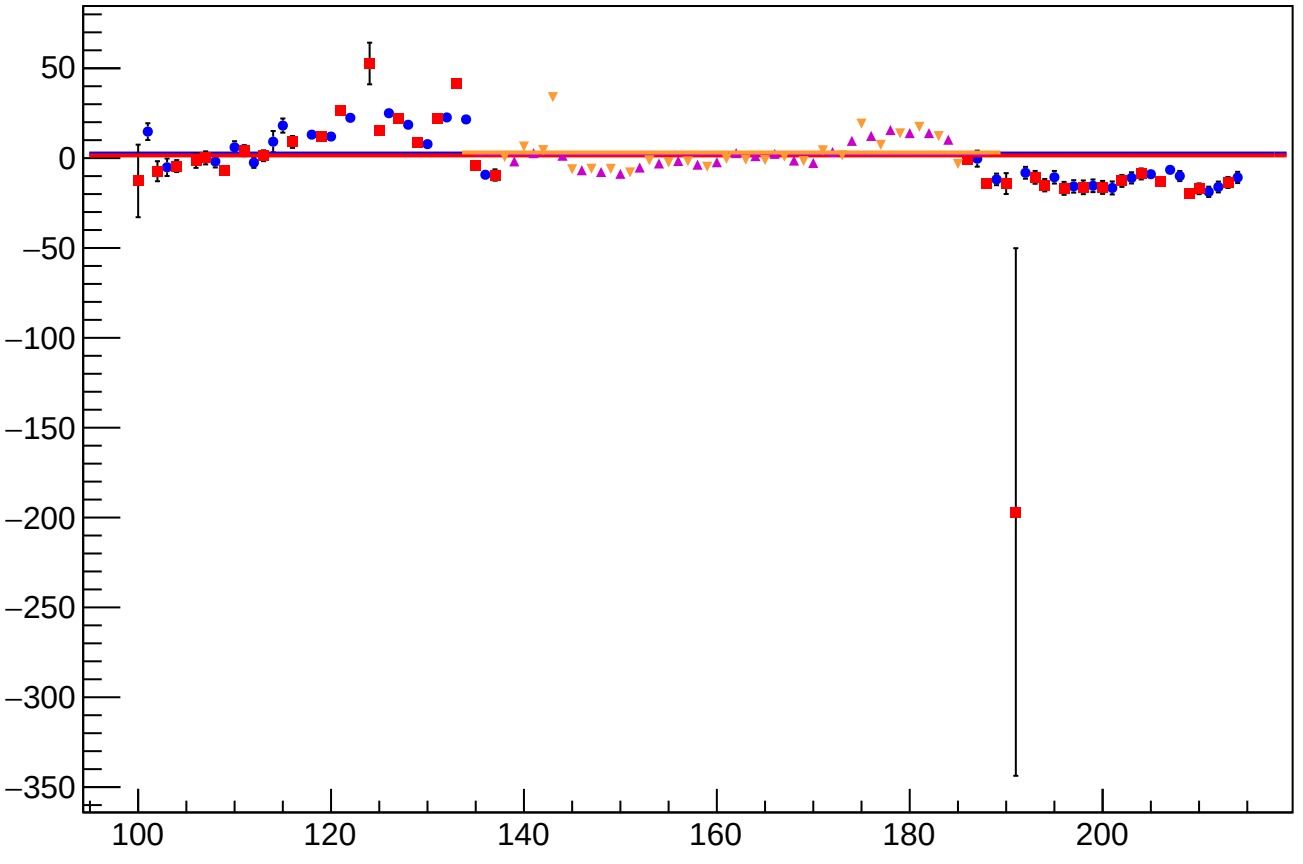
Right Out: 65.795+/-0.352 χ^2/NDF: 4834.1/33

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.796+/-0.225 χ^2/NDF: 9426.0/54

All: 49.351+/-0.158 χ^2/NDF: 18072.7/111

\- sign 49.890+/-0.221 χ^2/NDF: 8634.7/56



Right In: 2.549+/-0.503 χ^2/NDF: 822.7/29

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

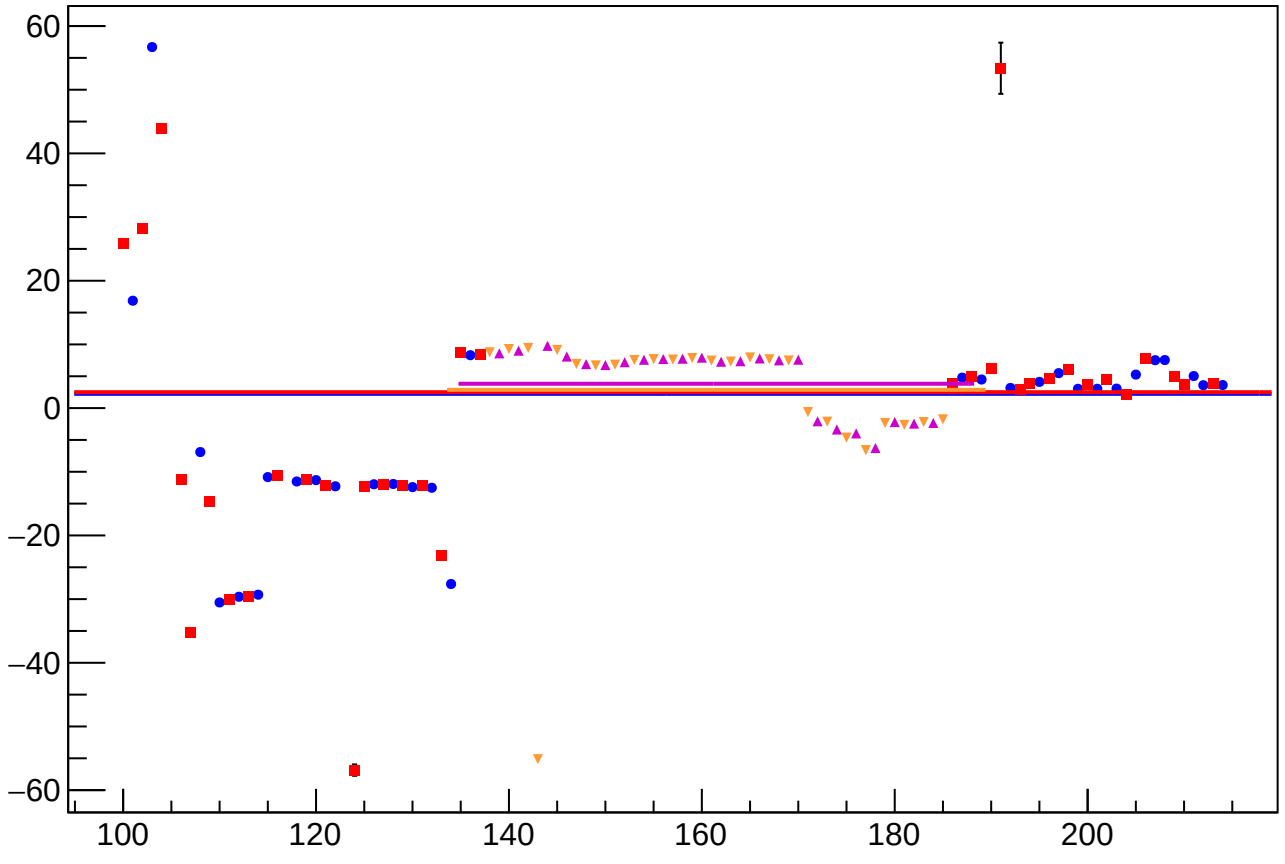
Right Out: 1.516+/-0.501 χ^2/NDF: 1026.2/33

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.028+/-0.221 χ^2/NDF: 2090.9/54

All: 2.679+/-0.157 χ^2/NDF: 4093.5/111

- sign 2.317+/-0.224 χ^2/NDF: 1997.5/56



Right In: 2.240+/-0.024 χ^2/NDF: 383001.8/29

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.499+/-0.024 χ^2/NDF: 330756.2/33

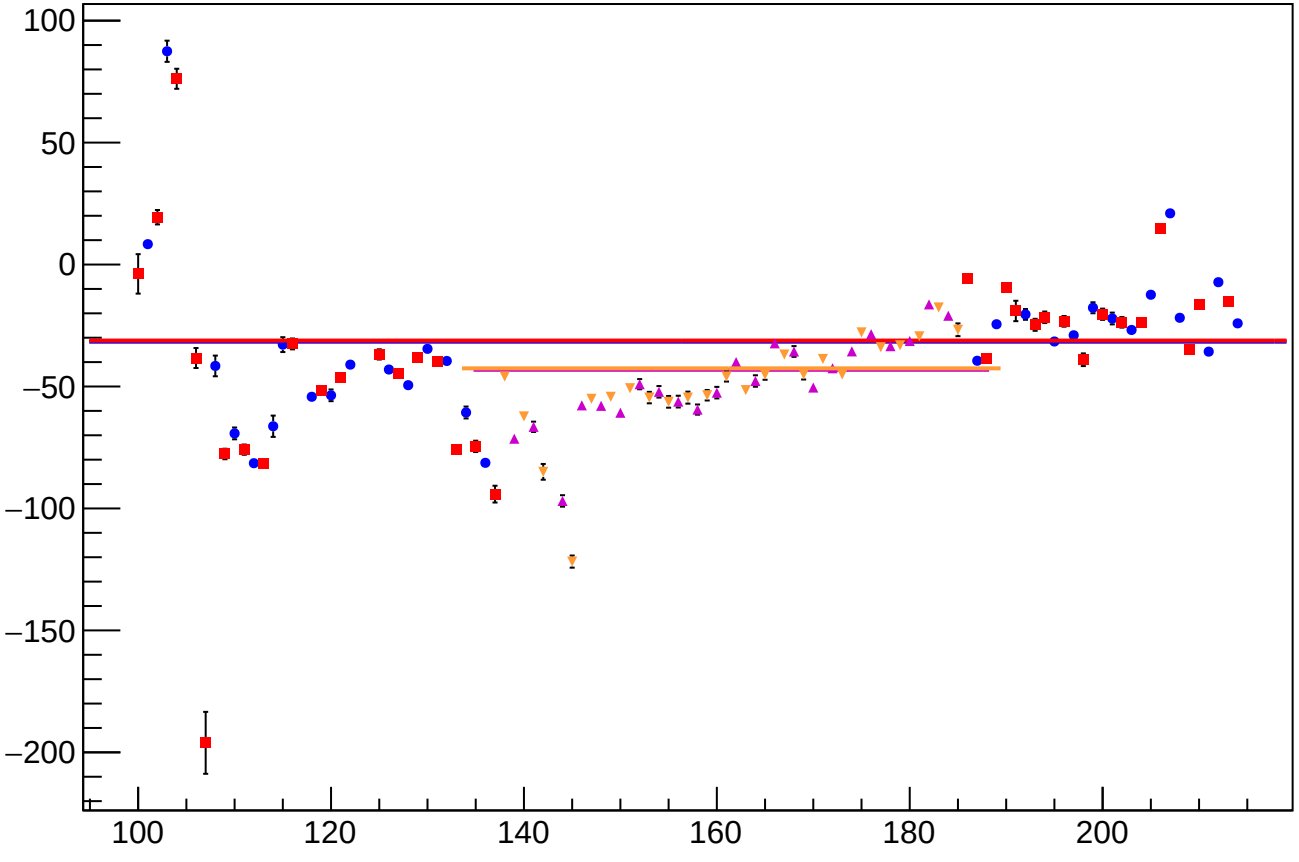
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.760+/-0.010 χ^2/NDF: 895910.0/54

All: 3.171+/-0.007 χ^2/NDF: 1465852.2/111

- sign 3.590+/-0.010 χ^2/NDF: 566508.4/56

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -31.626+/-0.338 χ^2/NDF: 5352.1/29

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -31.171+/-0.316 χ^2/NDF: 6505.4/32

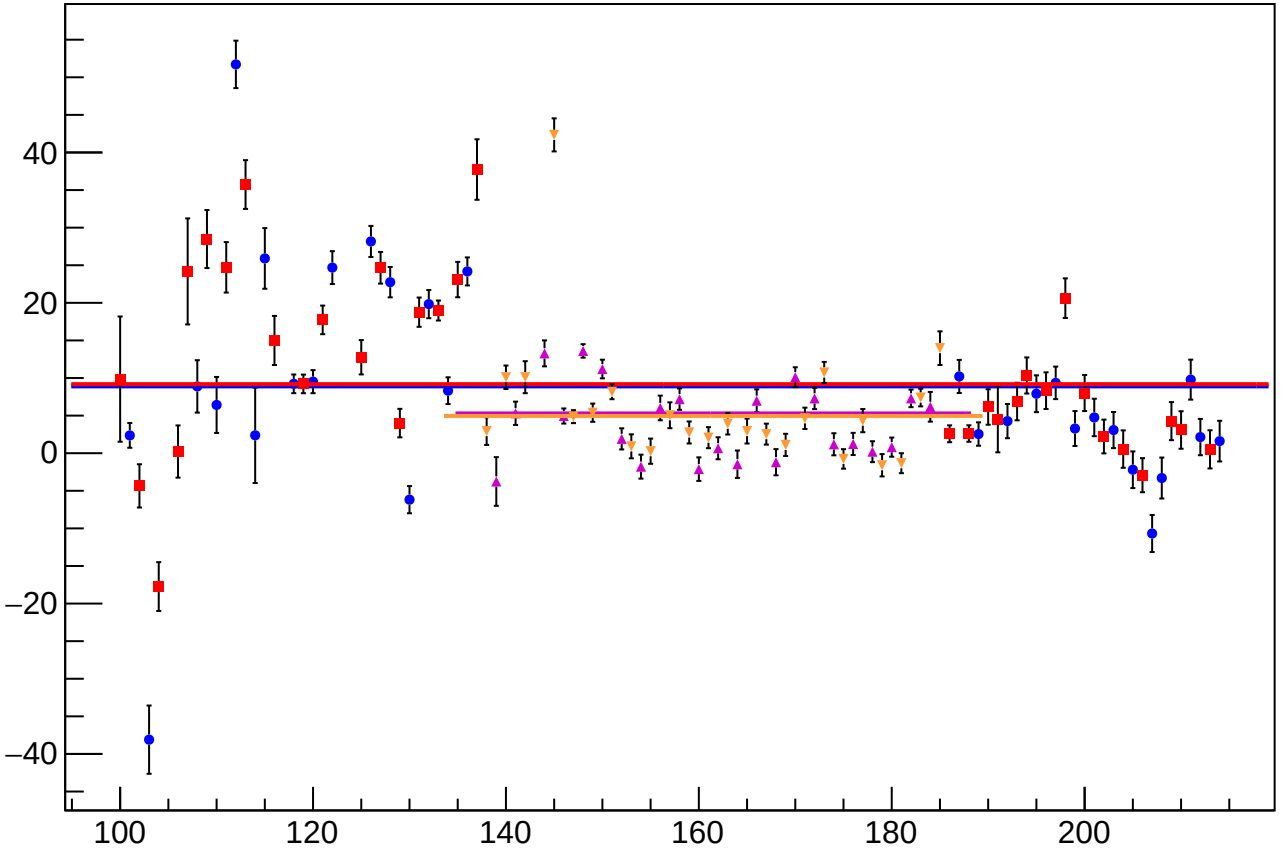
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -36.474+/-0.252 χ^2/NDF: 8143.5/53

All: -36.255+/-0.175 χ^2/NDF: 17441.5/109

\- sign -36.051+/-0.243 χ^2/NDF: 9296.6/55

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.887+/-0.397 χ^2/NDF: 838.7/29

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.184+/-0.376 χ^2/NDF: 631.7/32

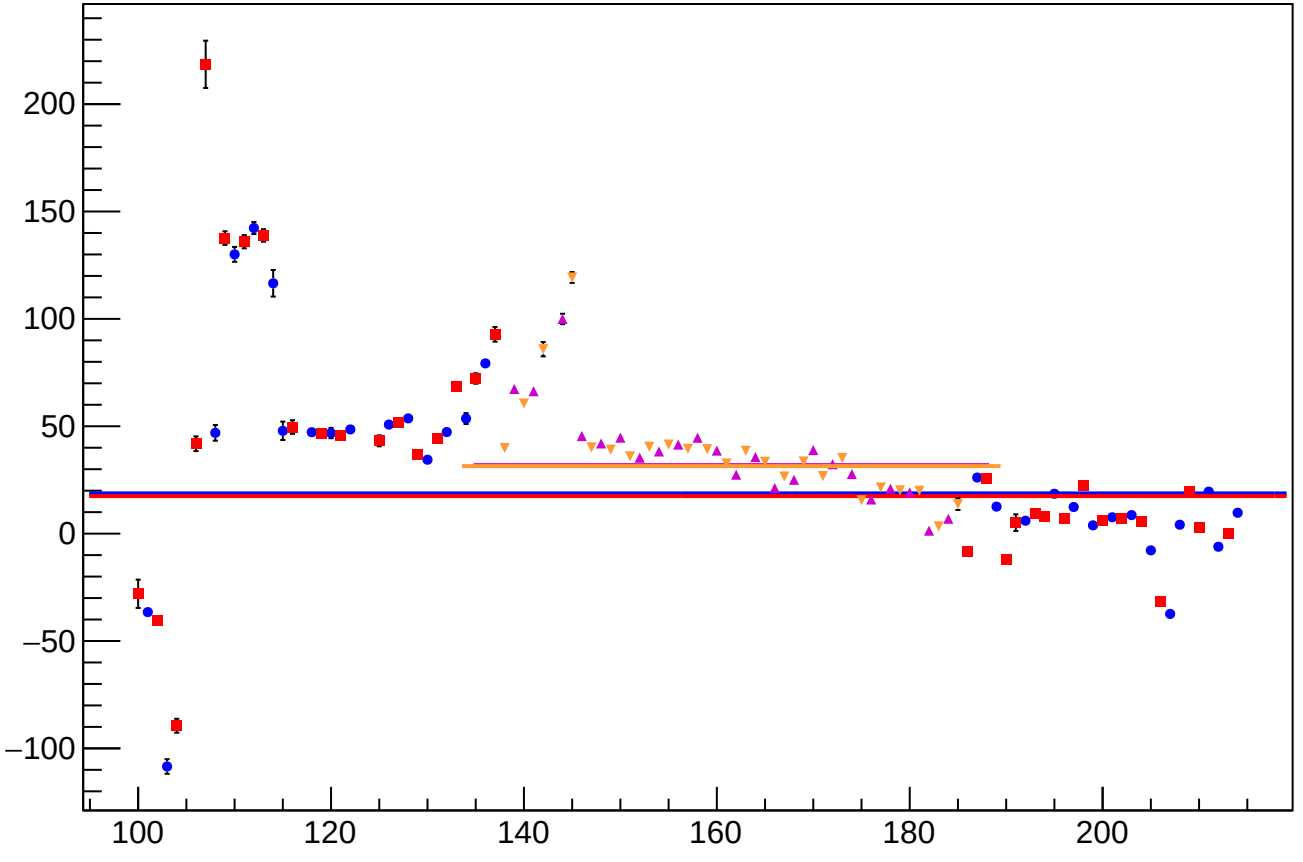
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.314+/-0.233 χ^2/NDF: 1352.1/53

All: 6.544+/-0.164 χ^2/NDF: 2338.5/109

- sign 6.771+/-0.232 χ^2/NDF: 984.5/55

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 18.729+/-0.336 χ^2/NDF: 11064.8/29

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 17.477+/-0.300 χ^2/NDF: 12835.0/32

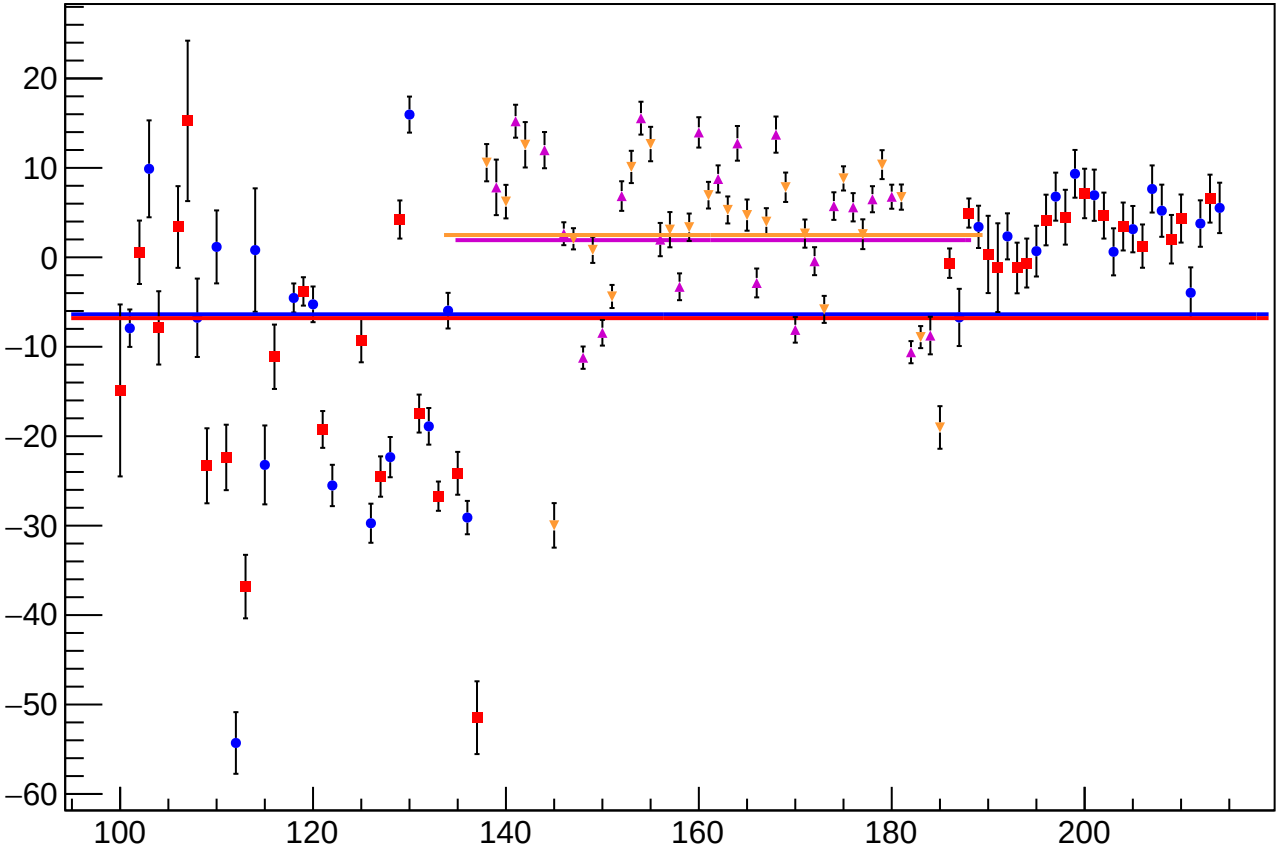
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 24.372+/-0.250 χ^2/NDF: 14463.7/53

All: 23.671+/-0.171 χ^2/NDF: 30972.5/109

- sign 23.053+/-0.235 χ^2/NDF: 16494.0/55

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -6.373+/-0.462 χ^2/NDF: 978.9/29

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

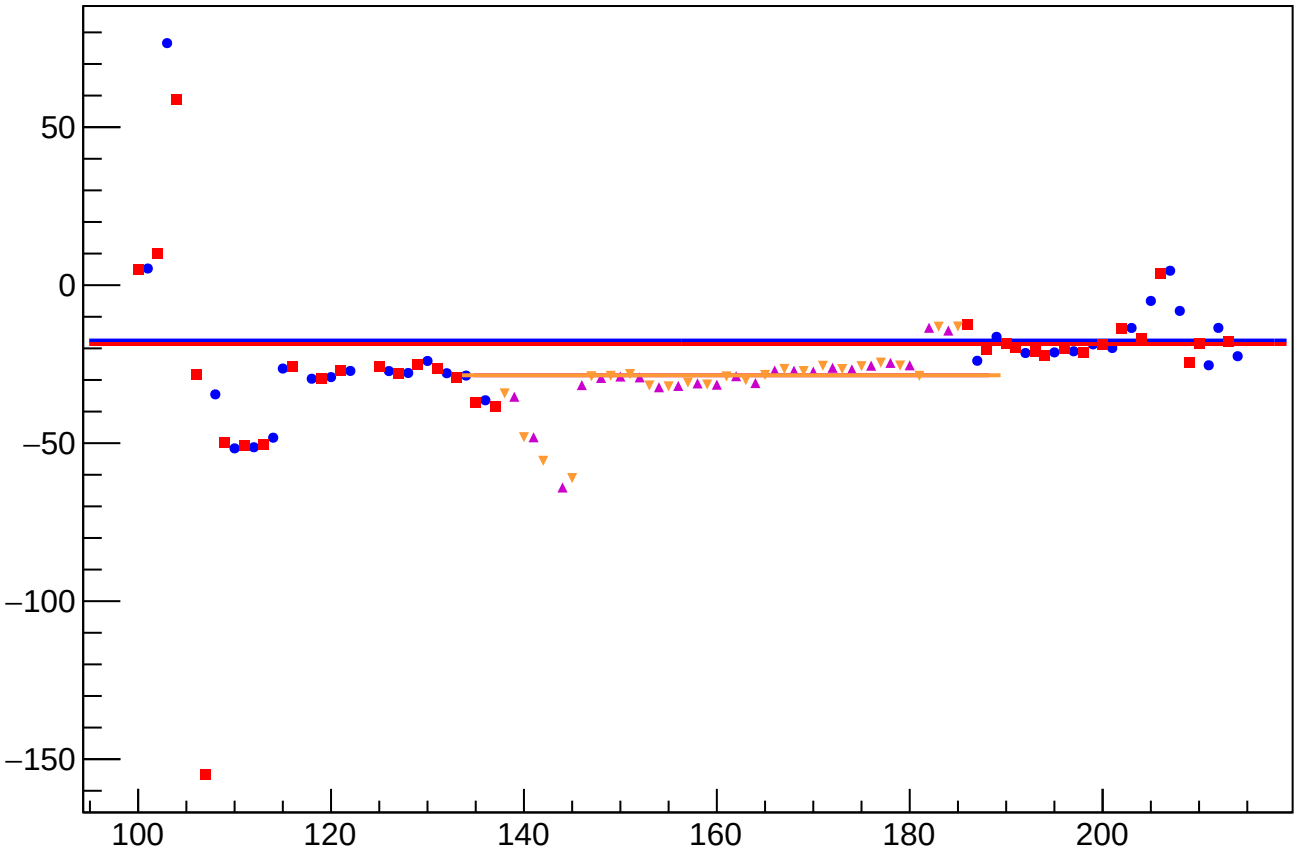
Right Out: -6.801+/-0.453 χ^2/NDF: 829.6/32

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.463+/-0.267 χ^2/NDF: 1783.2/53

All: -0.795+/-0.189 χ^2/NDF: 3536.2/109

- sign -1.130+/-0.268 χ^2/NDF: 1749.9/55



Right In: -17.529+/-0.022 χ^2/NDF: 732269.4/29

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.621+/-0.021 χ^2/NDF: 625399.2/32

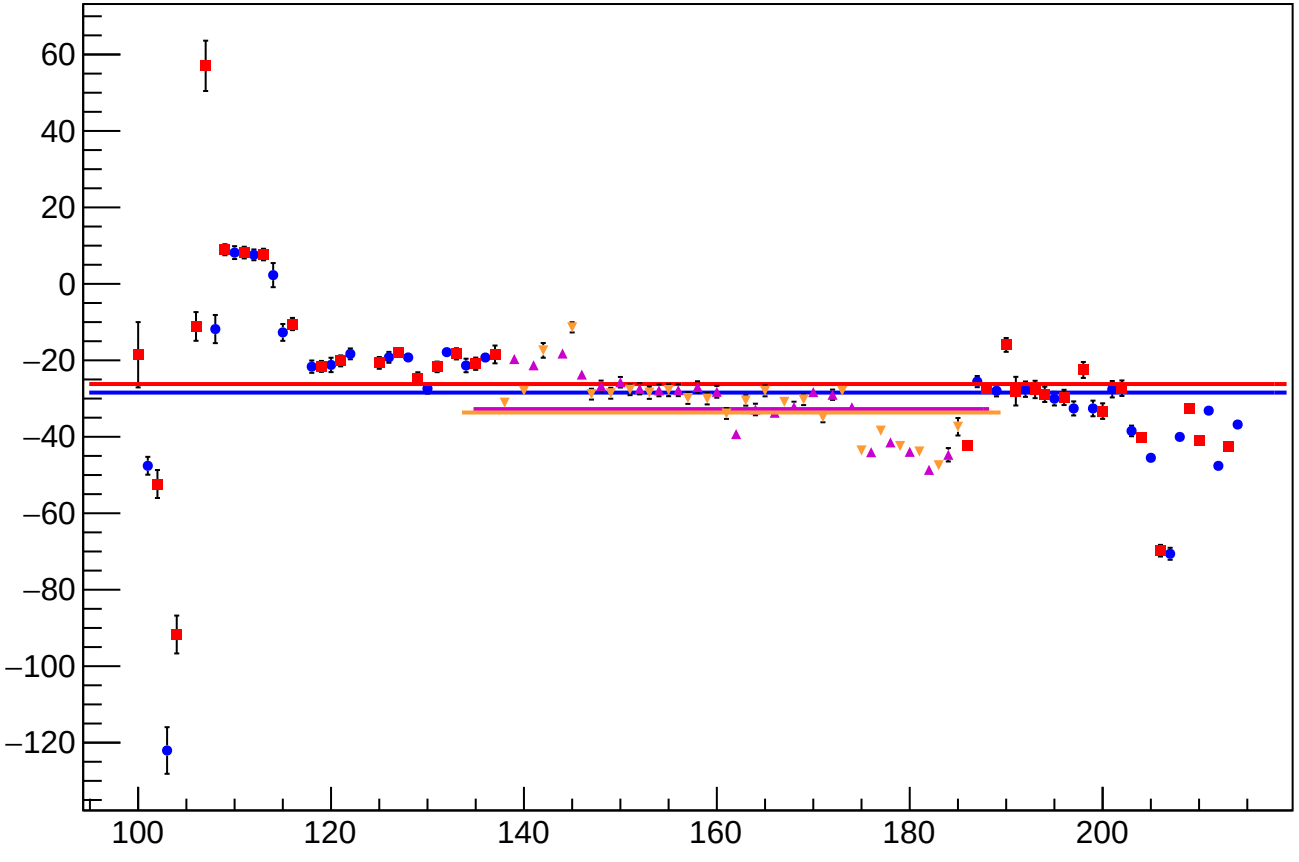
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -25.010+/-0.012 χ^2/NDF: 1242562.5/53

All: -25.124+/-0.009 χ^2/NDF: 2302638.7/109

- sign -25.236+/-0.012 χ^2/NDF: 1059902.4/55

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -28.437+/-0.273 χ^2/NDF: 3389.4/29

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -26.201+/-0.270 χ^2/NDF: 3887.6/32

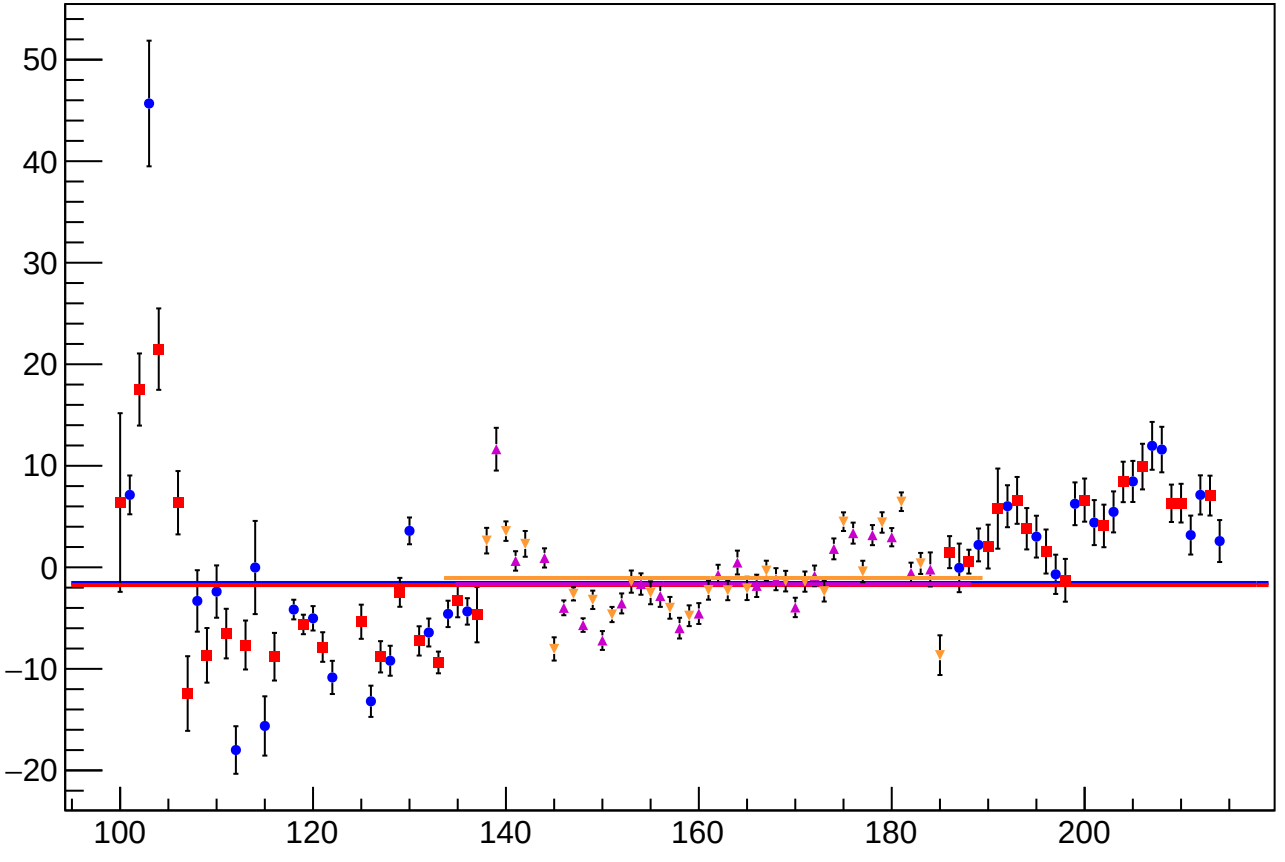
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

\+ sign -31.116+/-0.190 χ^2/NDF: 4592.5/53

All: -30.307+/-0.135 χ^2/NDF: 9955.3/109

\- sign -29.496+/-0.190 χ^2/NDF: 5326.6/55

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.541+/-0.323 χ^2/NDF: 501.3/29

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.747+/-0.321 χ^2/NDF: 402.8/32

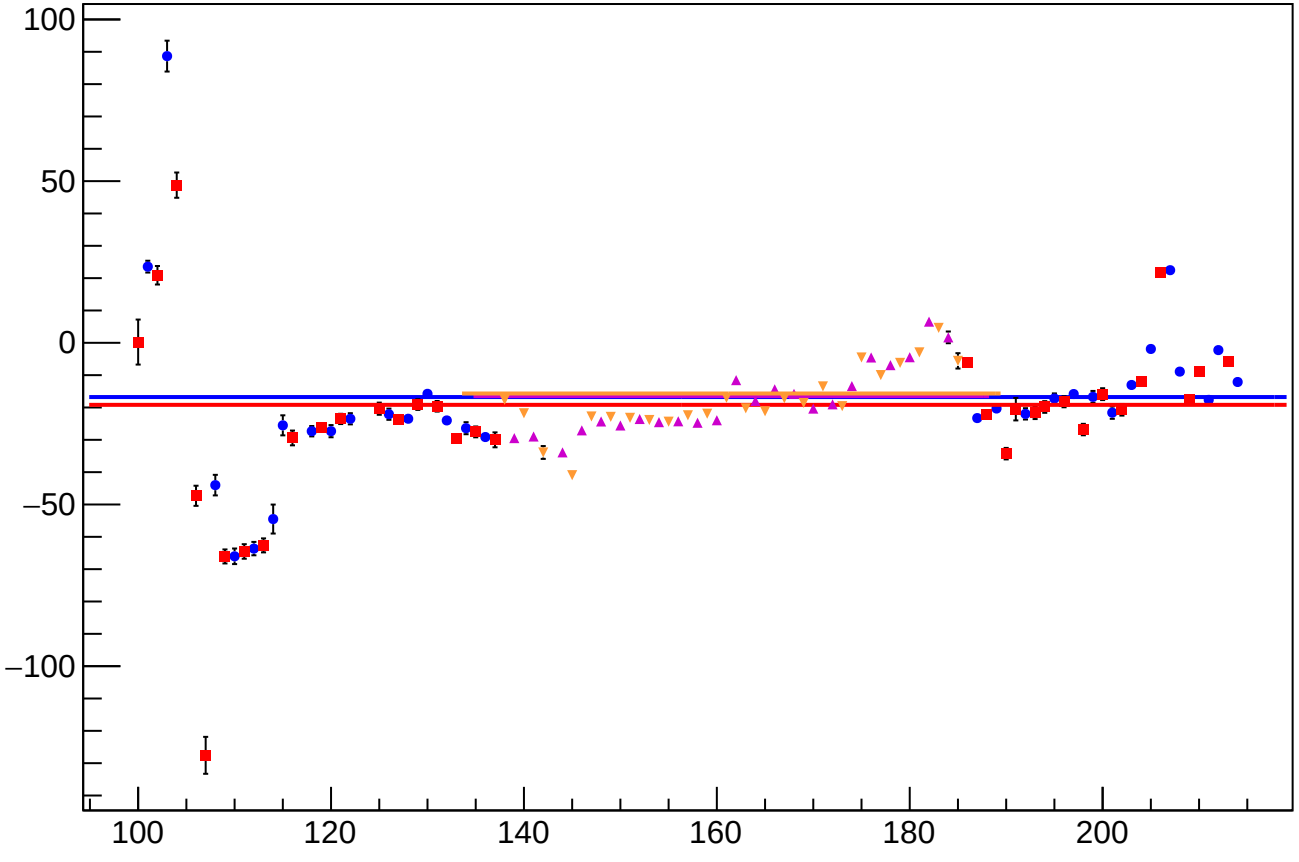
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.189+/-0.172 χ^2/NDF: 792.3/53

All: -1.434+/-0.122 χ^2/NDF: 1463.7/109

- sign -1.685+/-0.174 χ^2/NDF: 667.2/55

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -16.771+/-0.282 χ^2/NDF: 3451.7/29

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -19.182+/-0.272 χ^2/NDF: 3723.9/32

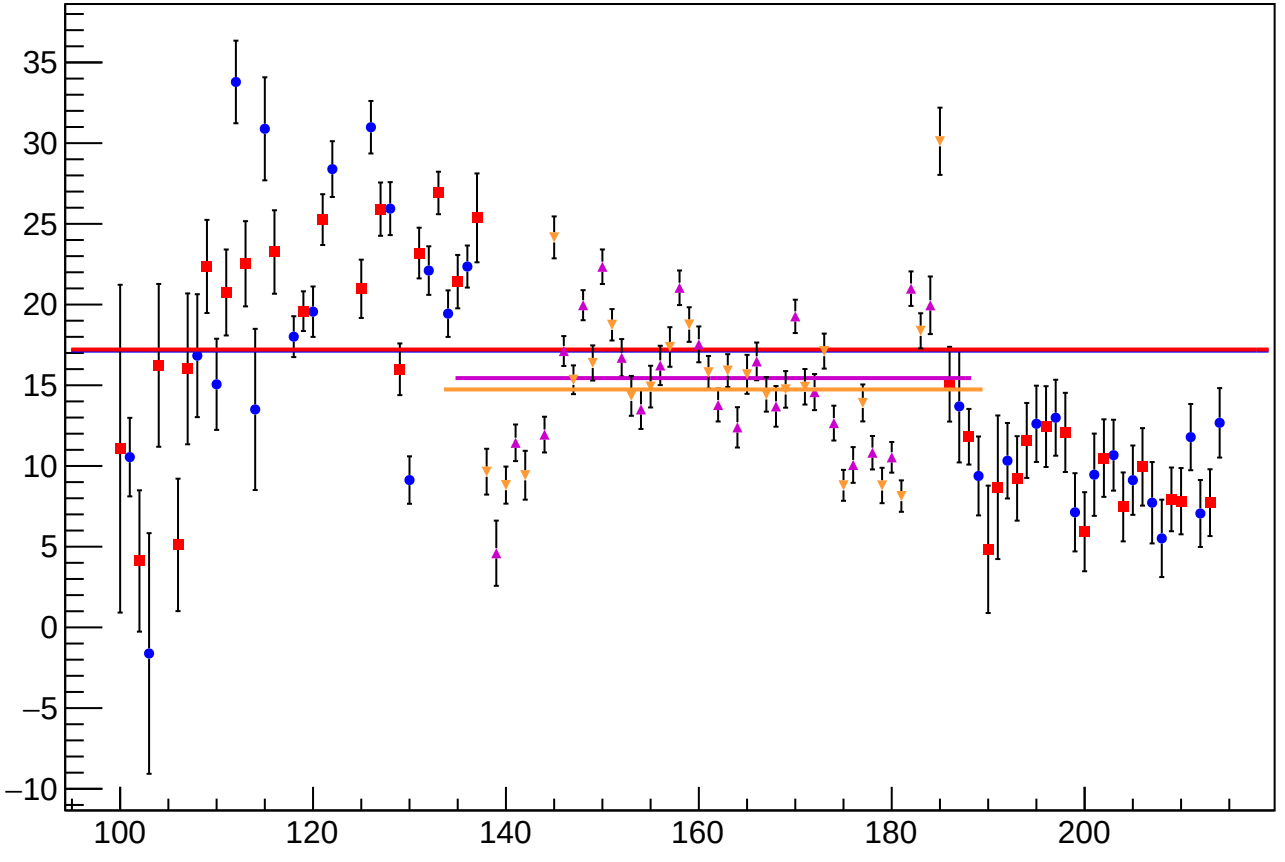
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

+ sign -16.185+/-0.192 χ^2/NDF: 4980.6/53

All: -17.001+/-0.135 χ^2/NDF: 10488.3/109

- sign -17.800+/-0.190 χ^2/NDF: 5472.0/55

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 17.146+/-0.370 χ^2/NDF: 428.6/29

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.215+/-0.375 χ^2/NDF: 349.8/32

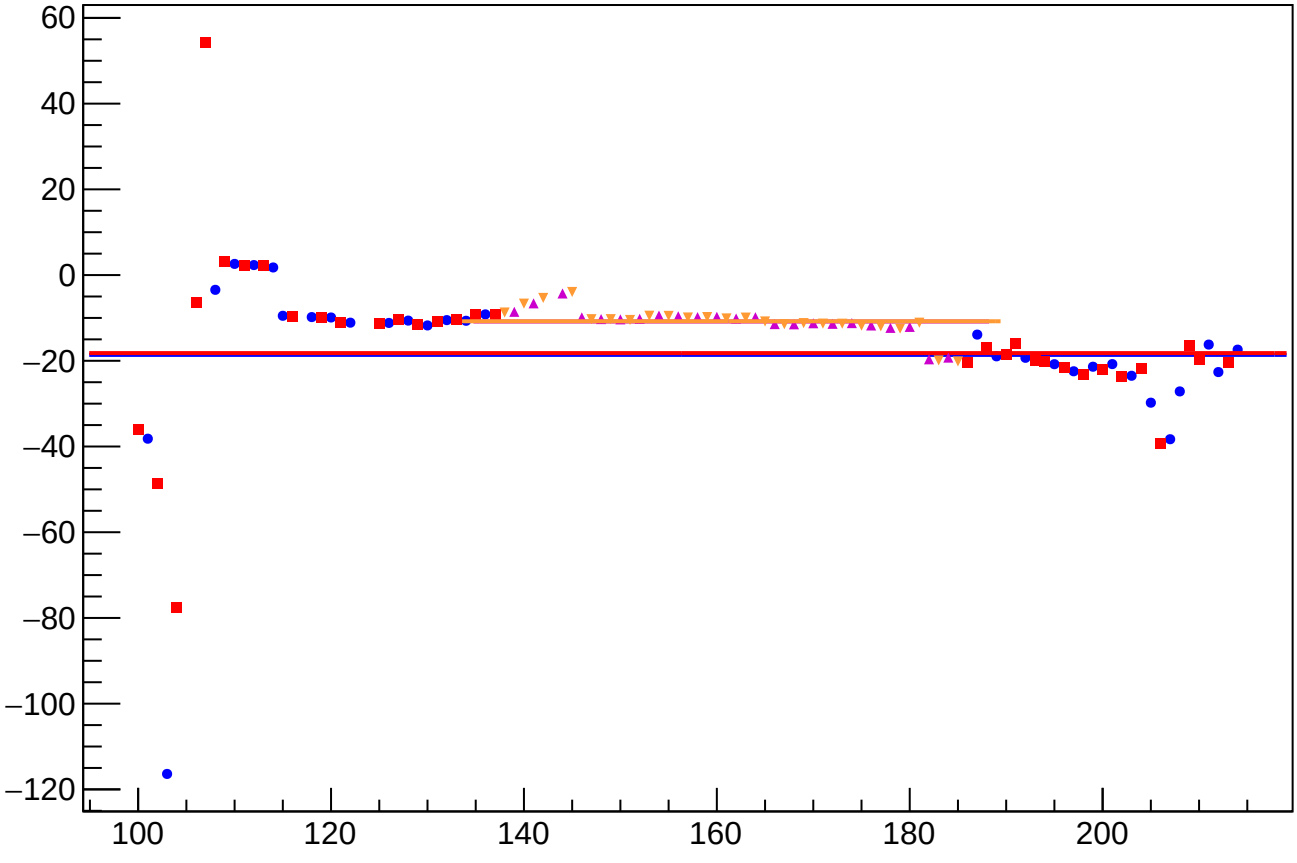
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.409+/-0.195 χ^2/NDF: 790.1/53

All: 15.670+/-0.139 χ^2/NDF: 1450.1/109

- sign 15.938+/-0.198 χ^2/NDF: 656.3/55

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.624+/-0.018 χ^2/NDF: 456307.7/29

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.203+/-0.018 χ^2/NDF: 433272.8/32

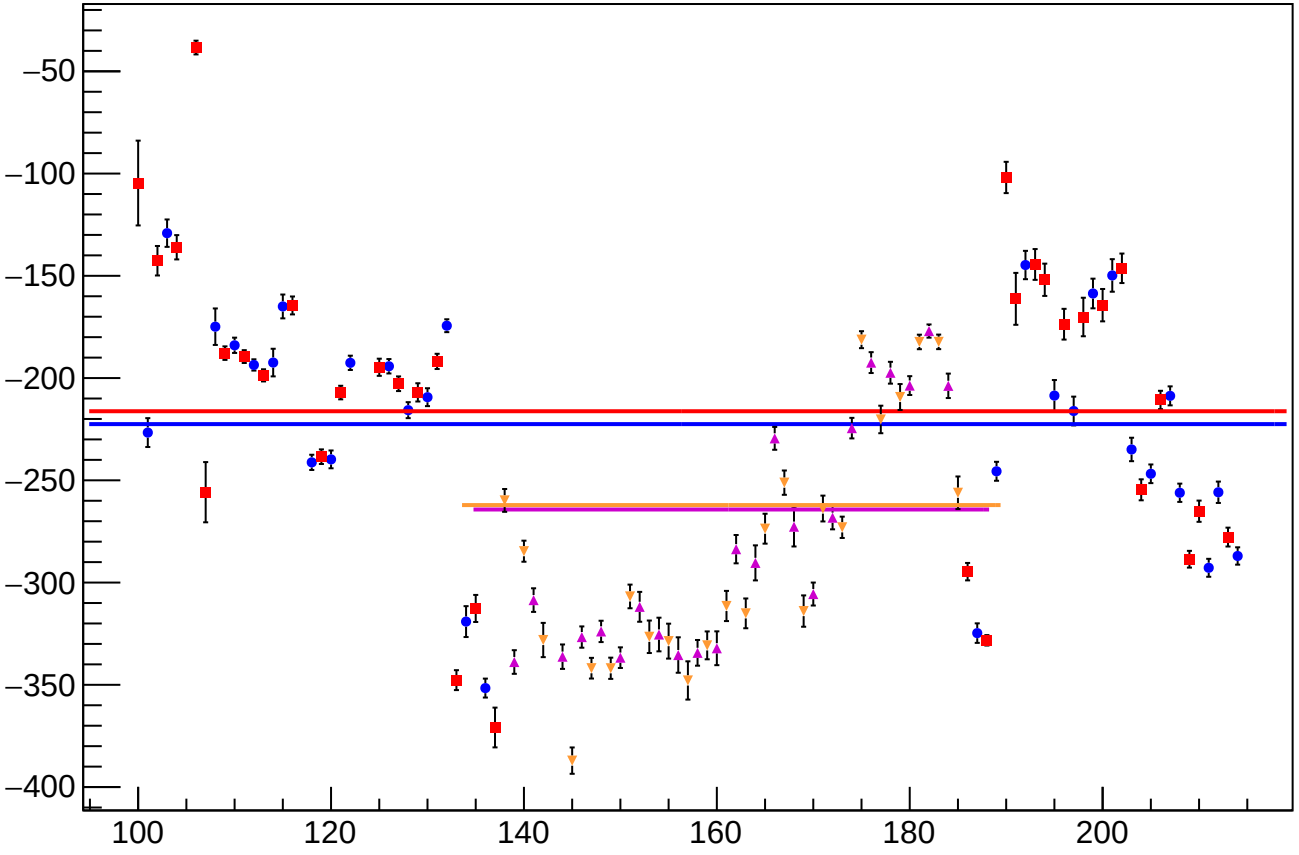
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.694+/-0.009 χ^2/NDF: 683206.3/53

All: -12.667+/-0.006 χ^2/NDF: 1315667.3/109

- sign -12.639+/-0.009 χ^2/NDF: 632441.8/55

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -222.516+/-0.851 χ^2/NDF: 3322.3/29

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -216.219+/-0.800 χ^2/NDF: 8256.0/32

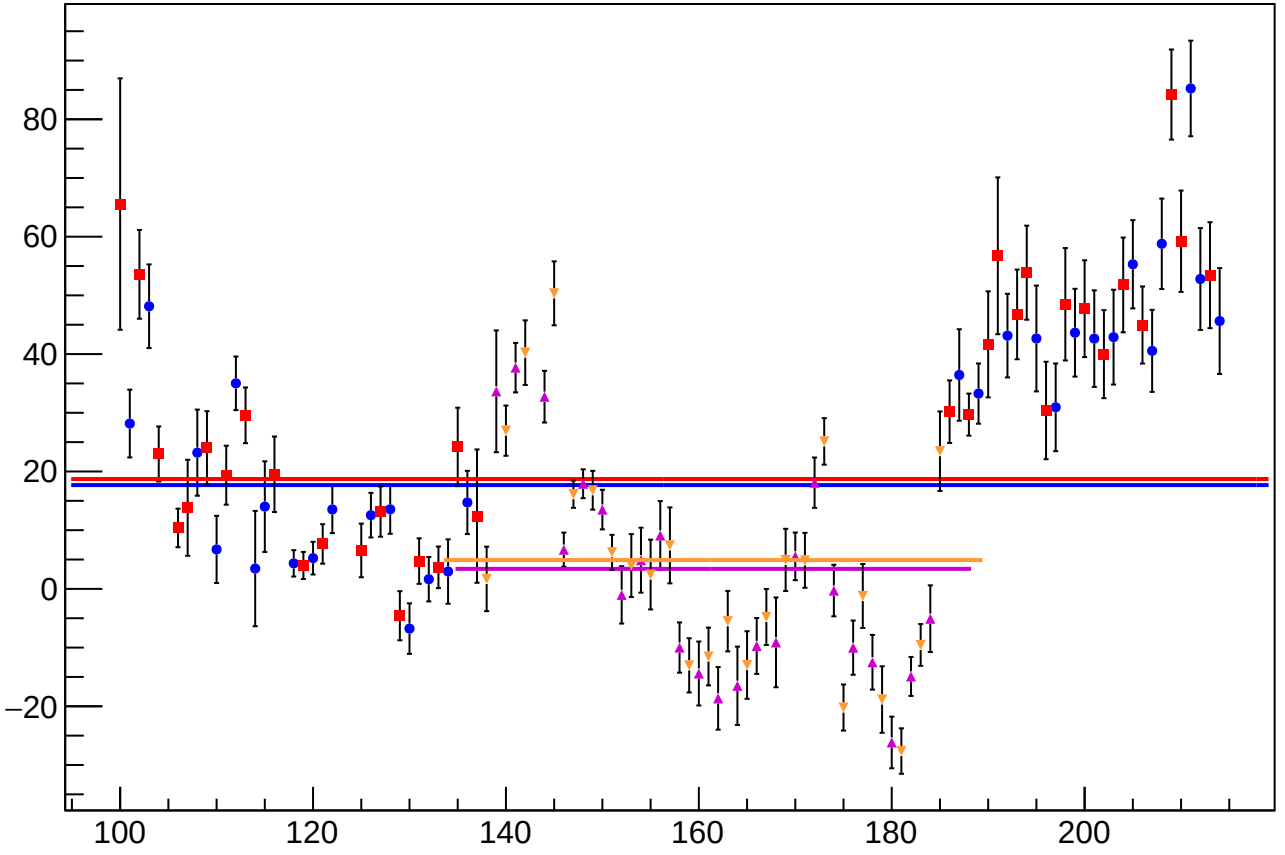
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -236.067+/-0.690 χ^2/NDF: 7028.3/53

All: -233.563+/-0.478 χ^2/NDF: 19180.4/109

- sign -231.249+/-0.663 χ^2/NDF: 12126.8/55

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.683+/-0.941 χ^2/NDF: 388.1/29

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 18.715+/-0.905 χ^2/NDF: 398.6/32

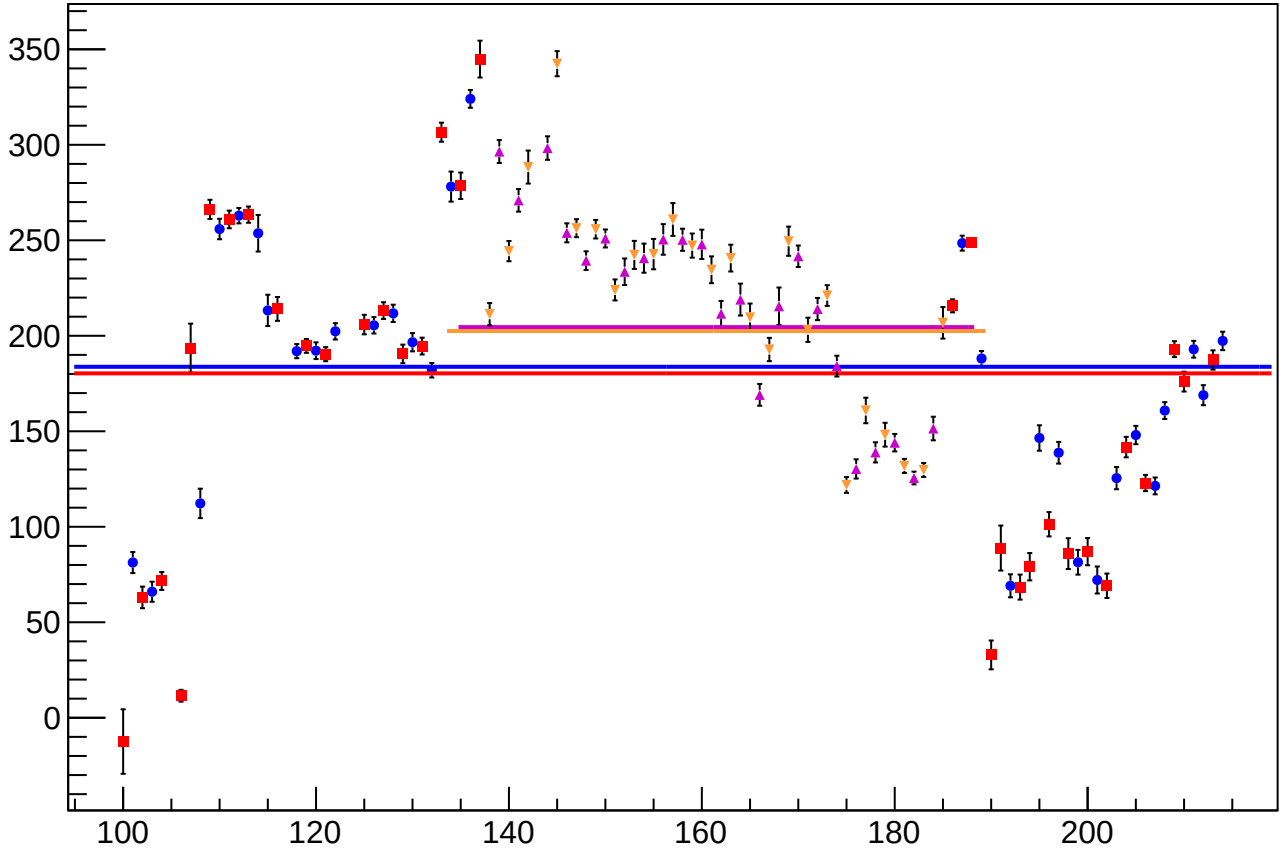
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

\+ sign 10.913+/-0.645 χ^2/NDF: 884.7/53

All: 10.970+/-0.454 χ^2/NDF: 1760.3/109

\- sign 11.027+/-0.638 χ^2/NDF: 875.6/55

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 183.772+/-0.903 χ^2/NDF: 4337.7/29

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.325+/-0.827 χ^2/NDF: 9500.1/32

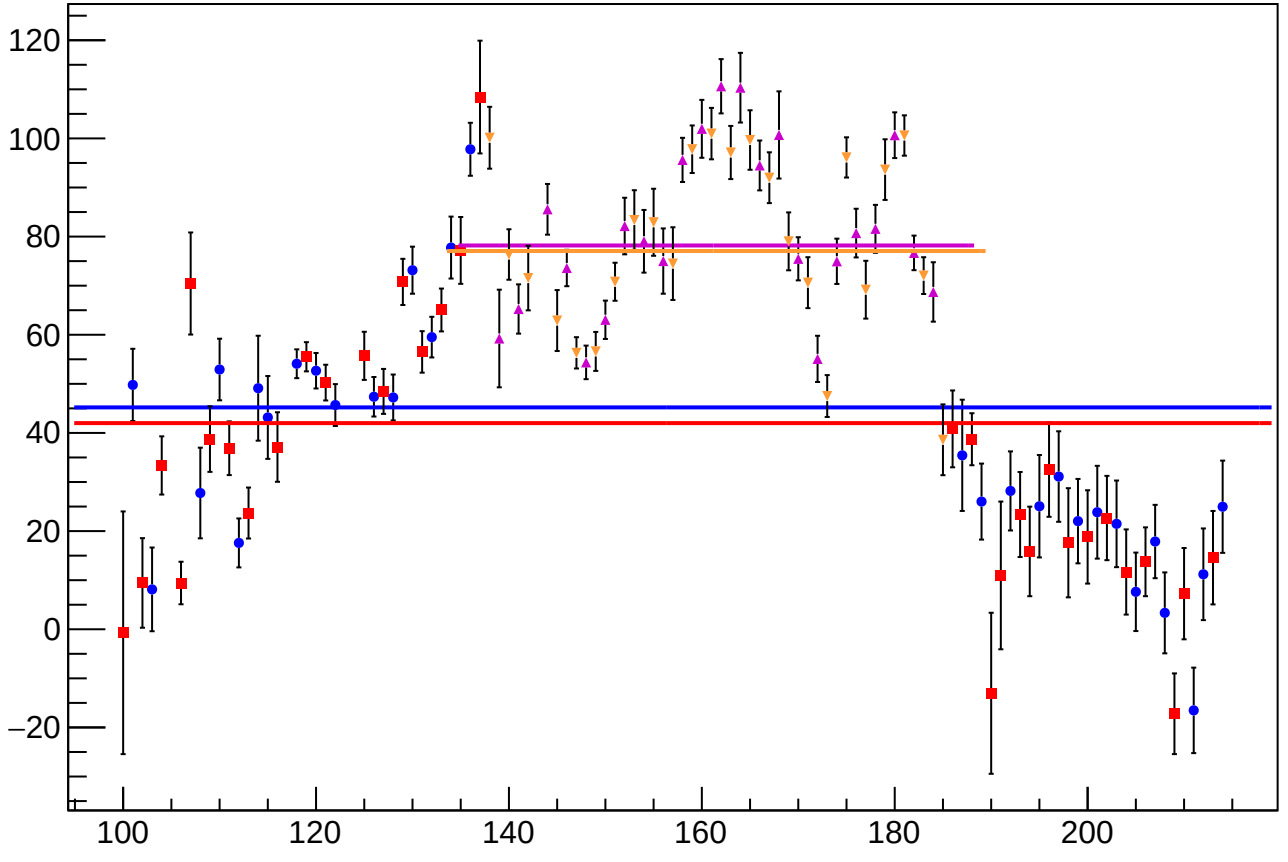
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 190.746+/-0.716 χ^2/NDF: 6891.5/53

All: 189.472+/-0.492 χ^2/NDF: 18967.1/109

- sign 188.333+/-0.677 χ^2/NDF: 12069.6/55

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 45.203+/-1.097 χ^2/NDF: 403.1/29

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.000+/-1.067 χ^2/NDF: 416.8/32

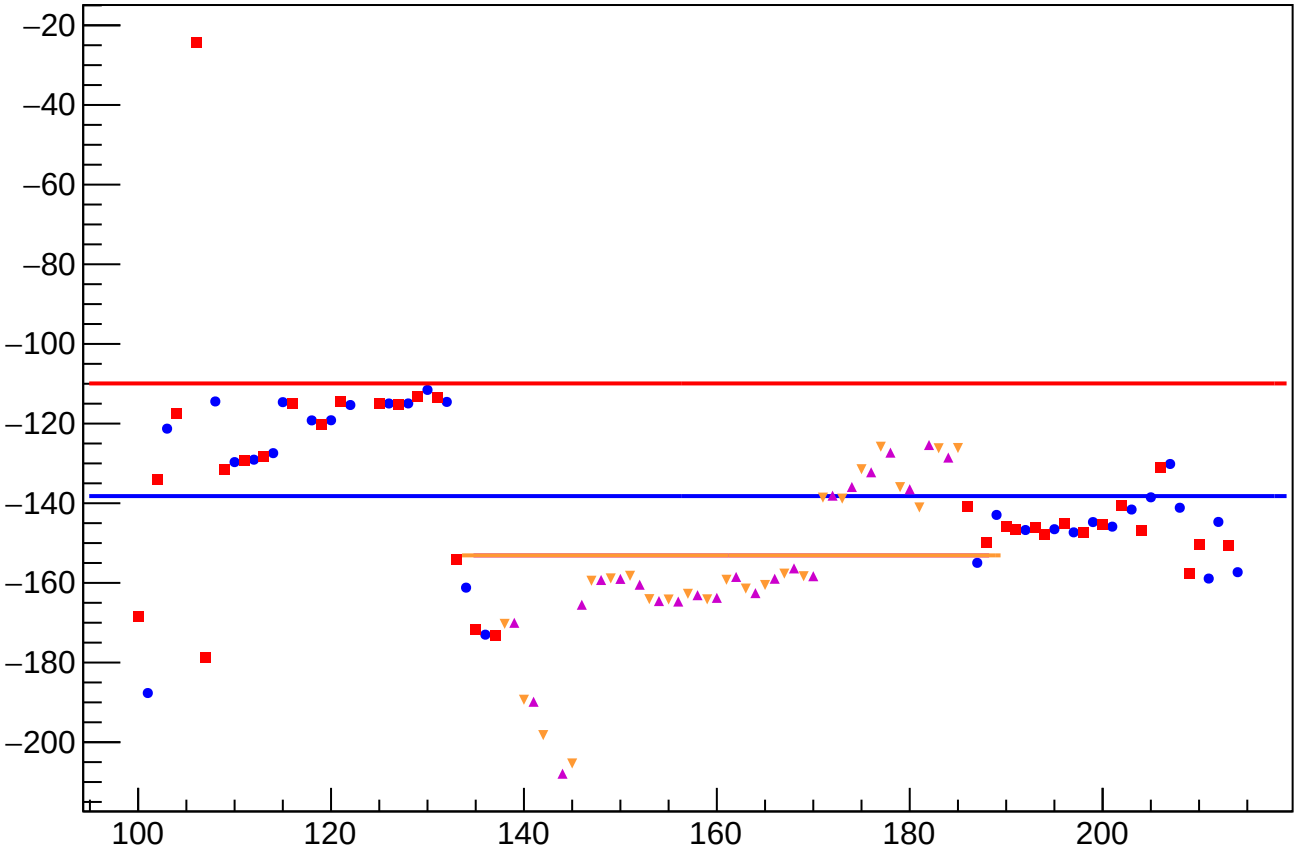
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

\+ sign 62.359+/-0.745 χ^2/NDF: 1168.8/53

All: 61.580+/-0.525 χ^2/NDF: 2418.2/109

\- sign 60.813+/-0.739 χ^2/NDF: 1247.2/55

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -138.205+/-0.059 χ^2/NDF: 108233.6/29

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -109.920+/-0.051 χ^2/NDF: 1018802.4/32

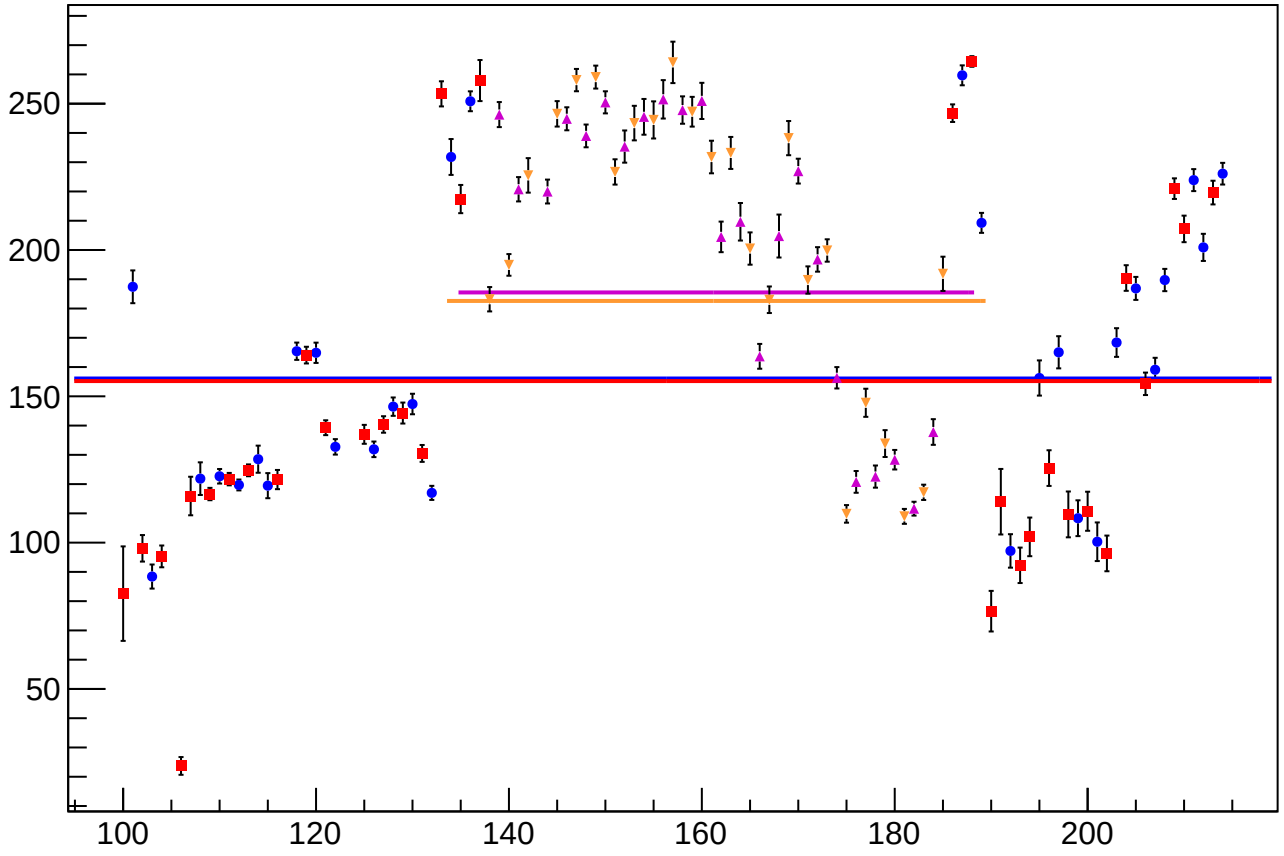
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.369+/-0.037 χ^2/NDF: 324470.1/53

All: -139.898+/-0.025 χ^2/NDF: 1978545.3/10

- sign -133.384+/-0.034 χ^2/NDF: 1576986.4/55

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 156.082+/-0.651 χ^2/NDF: 4726.5/29

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 155.210+/-0.603 χ^2/NDF: 10242.1/32

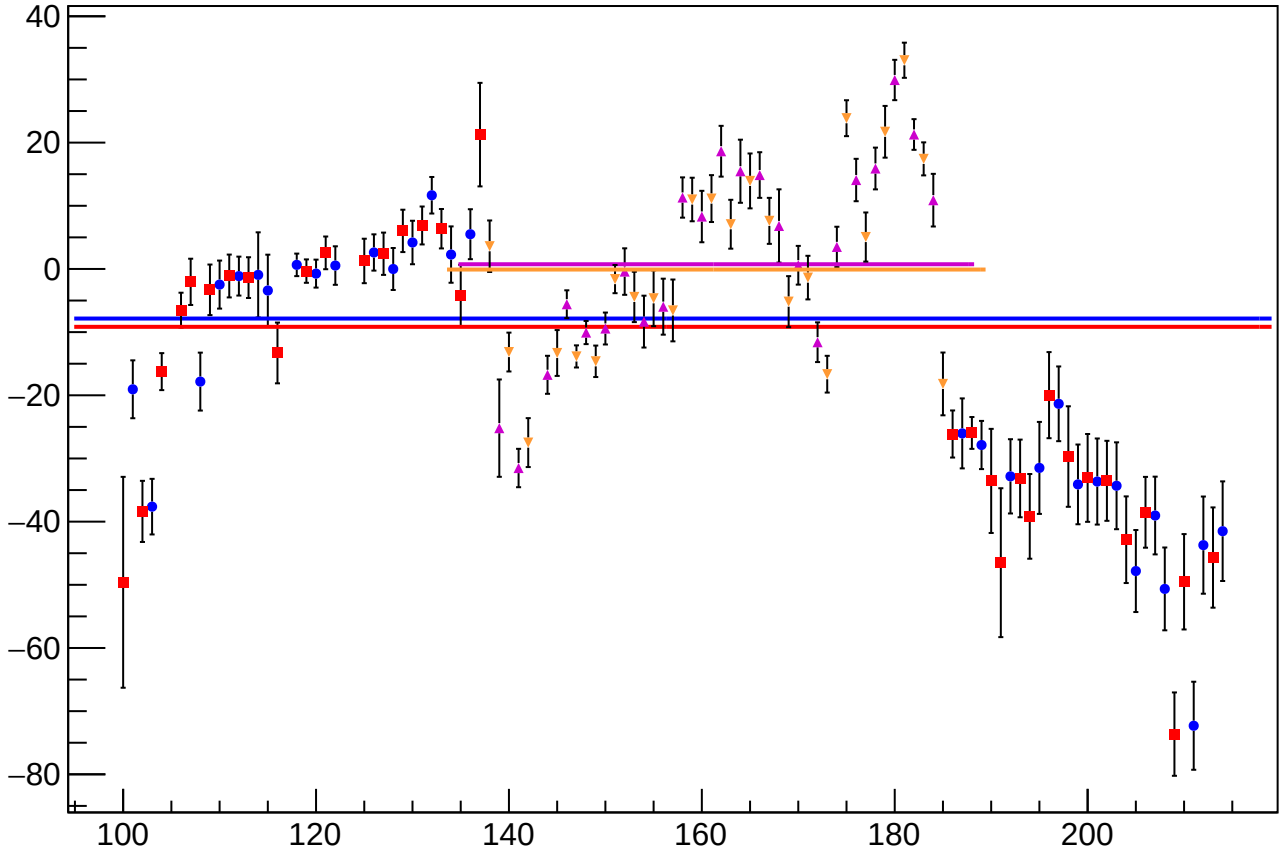
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 165.646+/-0.520 χ^2/NDF: 9478.0/53

All: 165.305+/-0.359 χ^2/NDF: 24358.9/109

- sign 164.996+/-0.496 χ^2/NDF: 14880.1/55

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.849+/-0.725 χ^2/NDF: 549.0/29

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.162+/-0.687 χ^2/NDF: 571.7/32

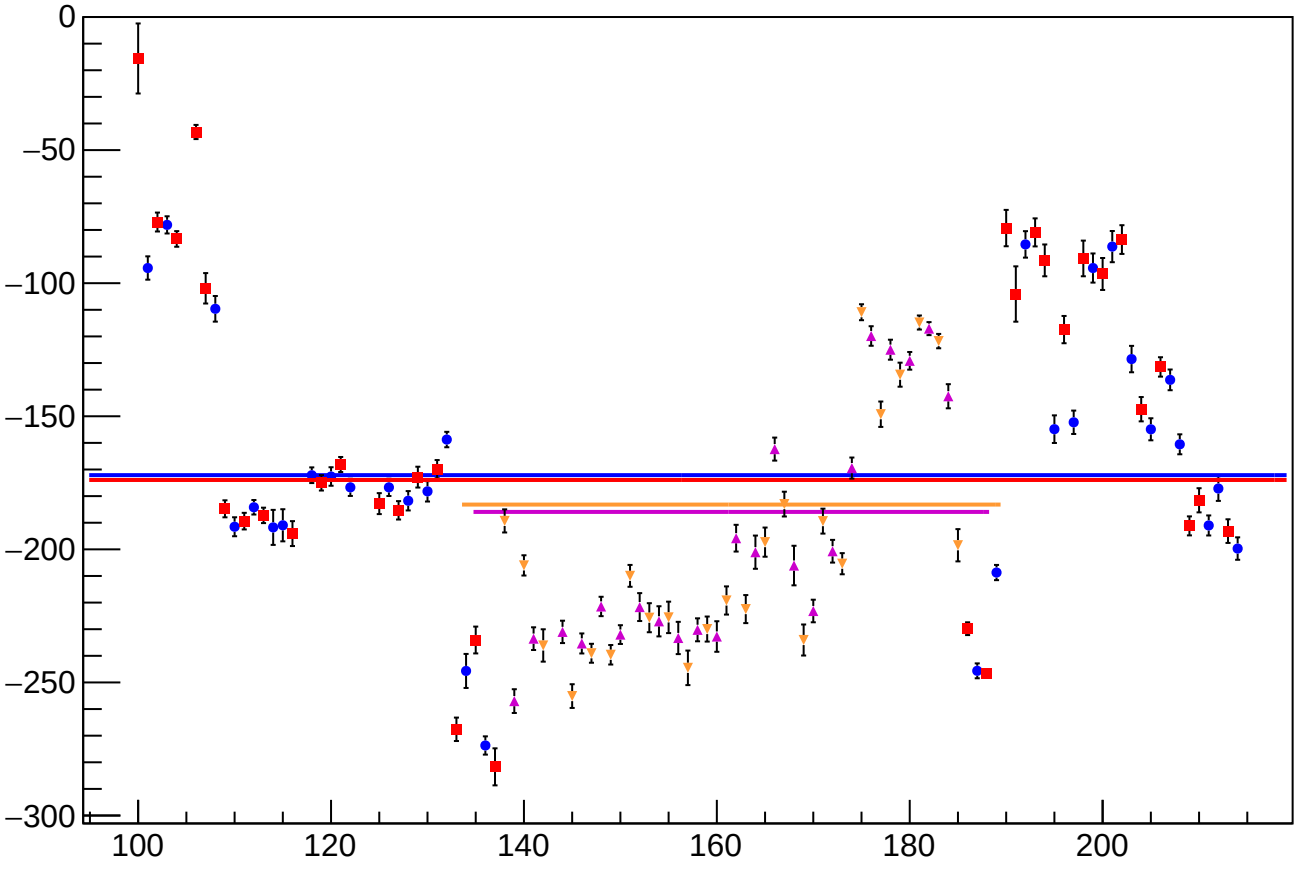
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -3.577+/-0.486 χ^2/NDF: 1167.4/53

All: -3.818+/-0.341 χ^2/NDF: 2344.8/109

- sign -4.051+/-0.478 χ^2/NDF: 1176.9/55

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.119+/-0.696 χ^2/NDF: 4307.3/29

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.934+/-0.625 χ^2/NDF: 10043.5/32

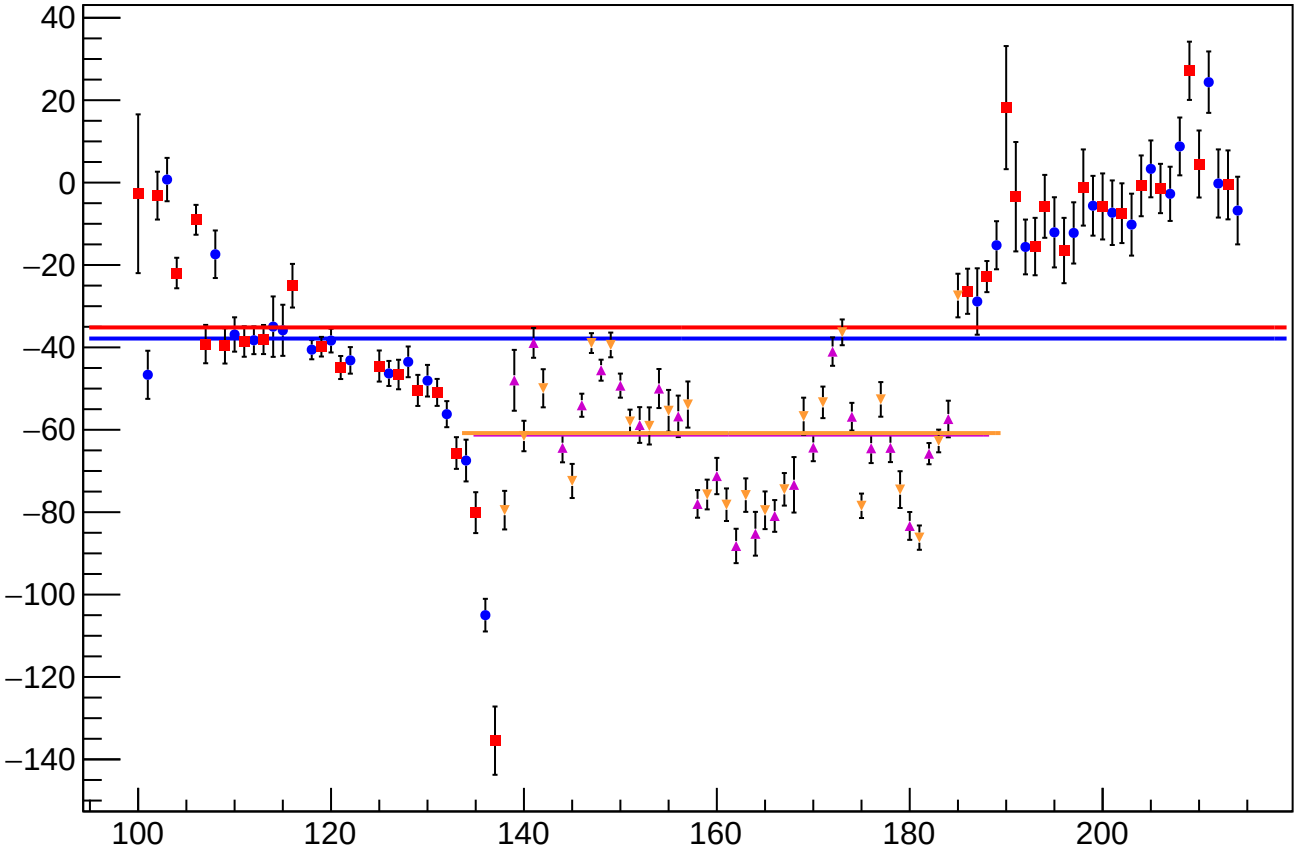
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.477+/-0.541 χ^2/NDF: 7768.1/53

All: -177.310+/-0.370 χ^2/NDF: 21123.7/109

- sign -178.041+/-0.507 χ^2/NDF: 13351.1/55

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.851+/-0.845 χ^2/NDF: 755.2/29

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.154+/-0.811 χ^2/NDF: 741.7/32

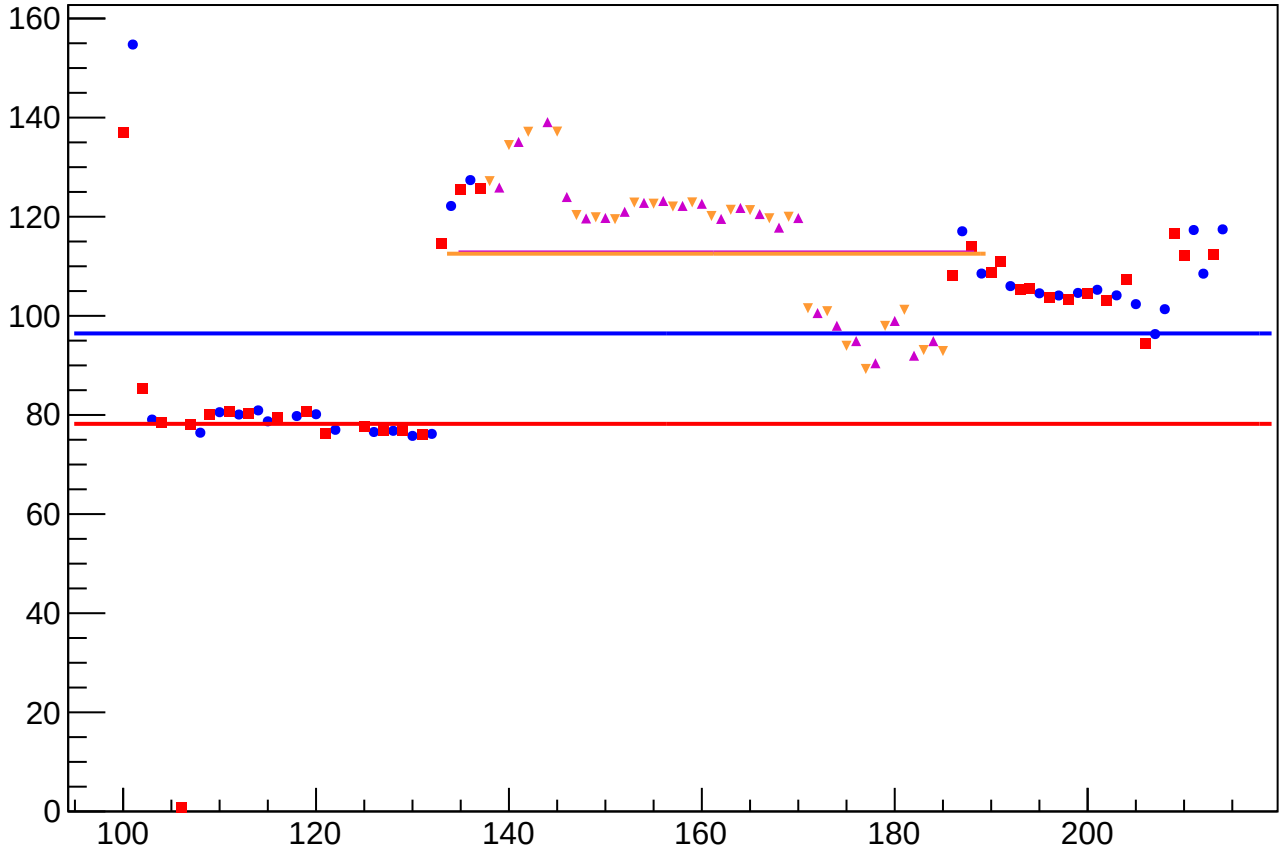
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -50.700+/-0.560 χ^2/NDF: 1642.5/53

All: -49.874+/-0.394 χ^2/NDF: 3255.2/109

- sign -49.068+/-0.553 χ^2/NDF: 1608.4/55

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 96.451+/-0.046 χ^2/NDF: 190226.3/29

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.207+/-0.040 χ^2/NDF: 912798.6/32

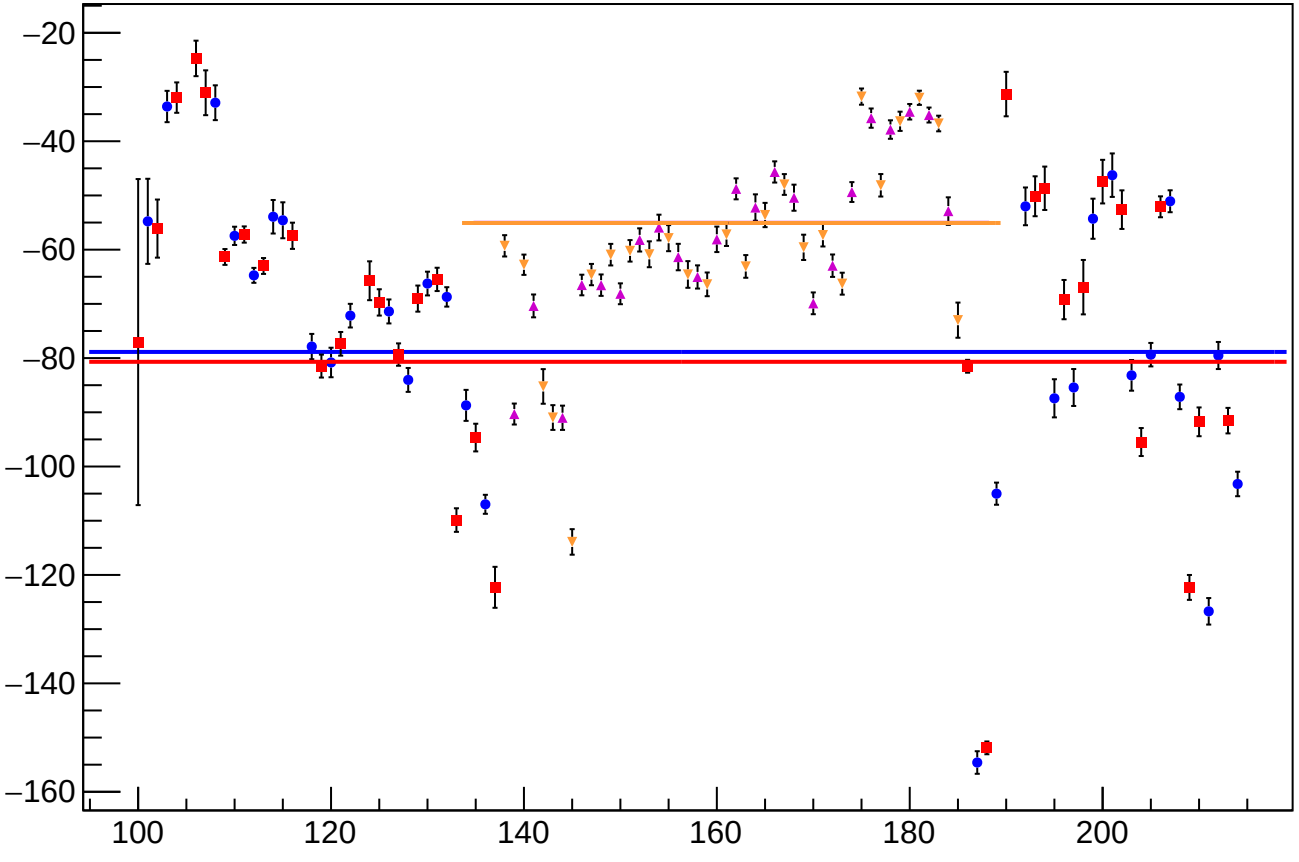
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.675+/-0.028 χ^2/NDF: 443620.9/53

All: 102.186+/-0.019 χ^2/NDF: 2005694.9/109

- sign 98.149+/-0.026 χ^2/NDF: 1511723.4/55

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -78.865+/-0.432 χ^2/NDF: 3576.6/29

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.687+/-0.395 χ^2/NDF: 6552.0/32

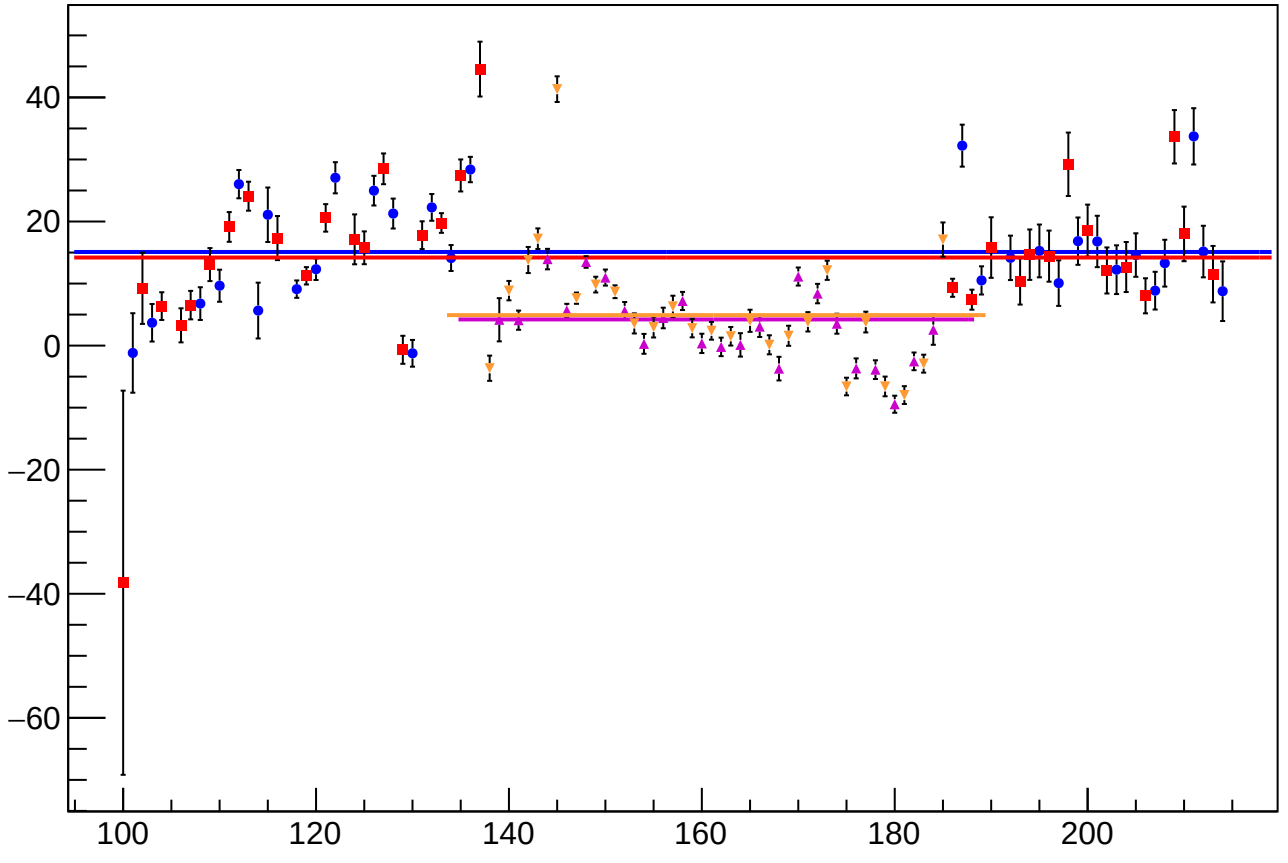
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -66.084+/-0.294 χ^2/NDF: 7211.4/54

All: -67.263+/-0.204 χ^2/NDF: 17363.5/110

- sign -68.371+/-0.284 χ^2/NDF: 10120.8/55

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.092+/-0.497 χ^2/NDF: 298.1/29

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.197+/-0.456 χ^2/NDF: 311.3/32

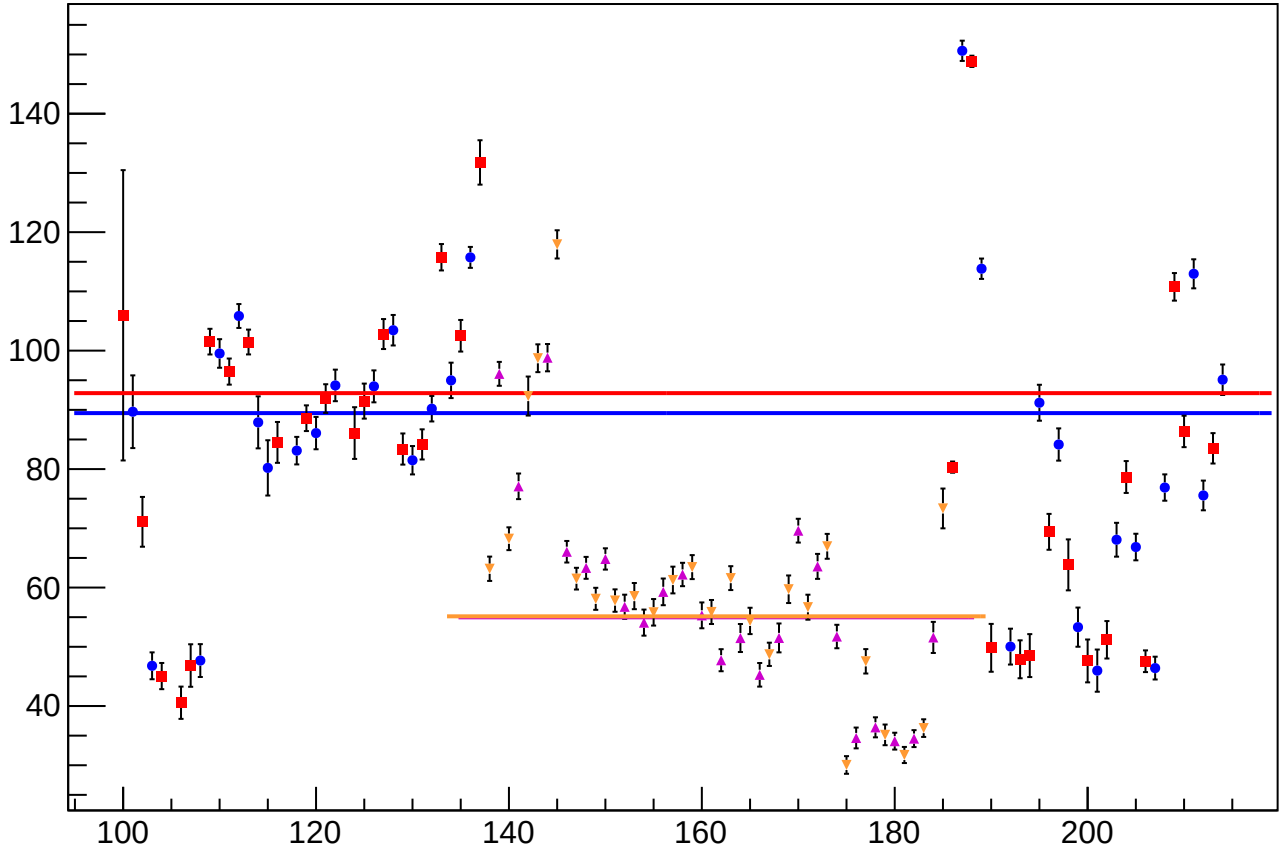
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.650+/-0.258 χ^2/NDF: 1346.7/54

All: 7.526+/-0.182 χ^2/NDF: 2399.6/110

- sign 7.402+/-0.258 χ^2/NDF: 1052.4/55

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.452+/-0.451 χ^2/NDF: 3688.5/29

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.824+/-0.397 χ^2/NDF: 6611.7/32

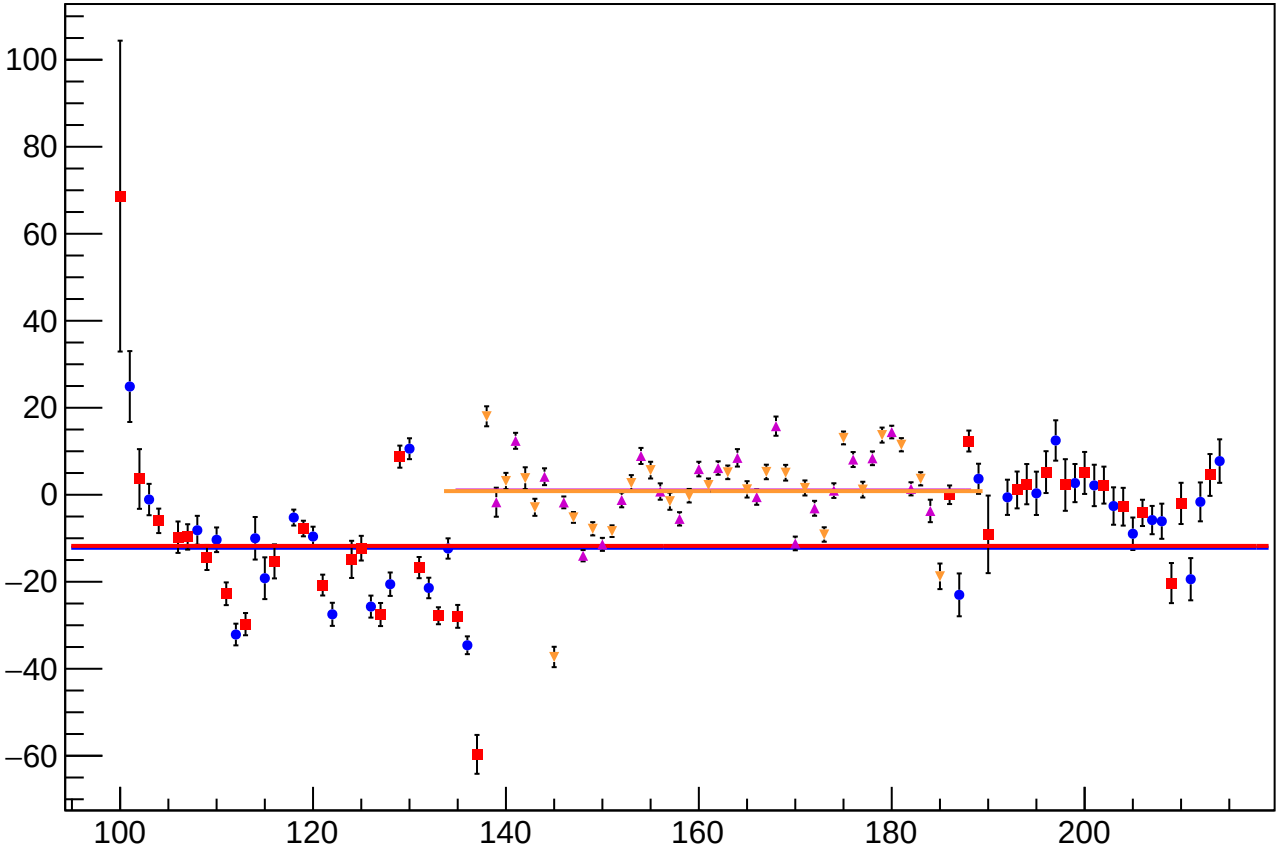
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 70.105+/-0.298 χ^2/NDF: 9189.7/54

All: 72.305+/-0.206 χ^2/NDF: 22132.7/110

- sign 74.298+/-0.284 χ^2/NDF: 12839.2/55

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.184+/-0.573 χ^2/NDF: 535.3/29

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

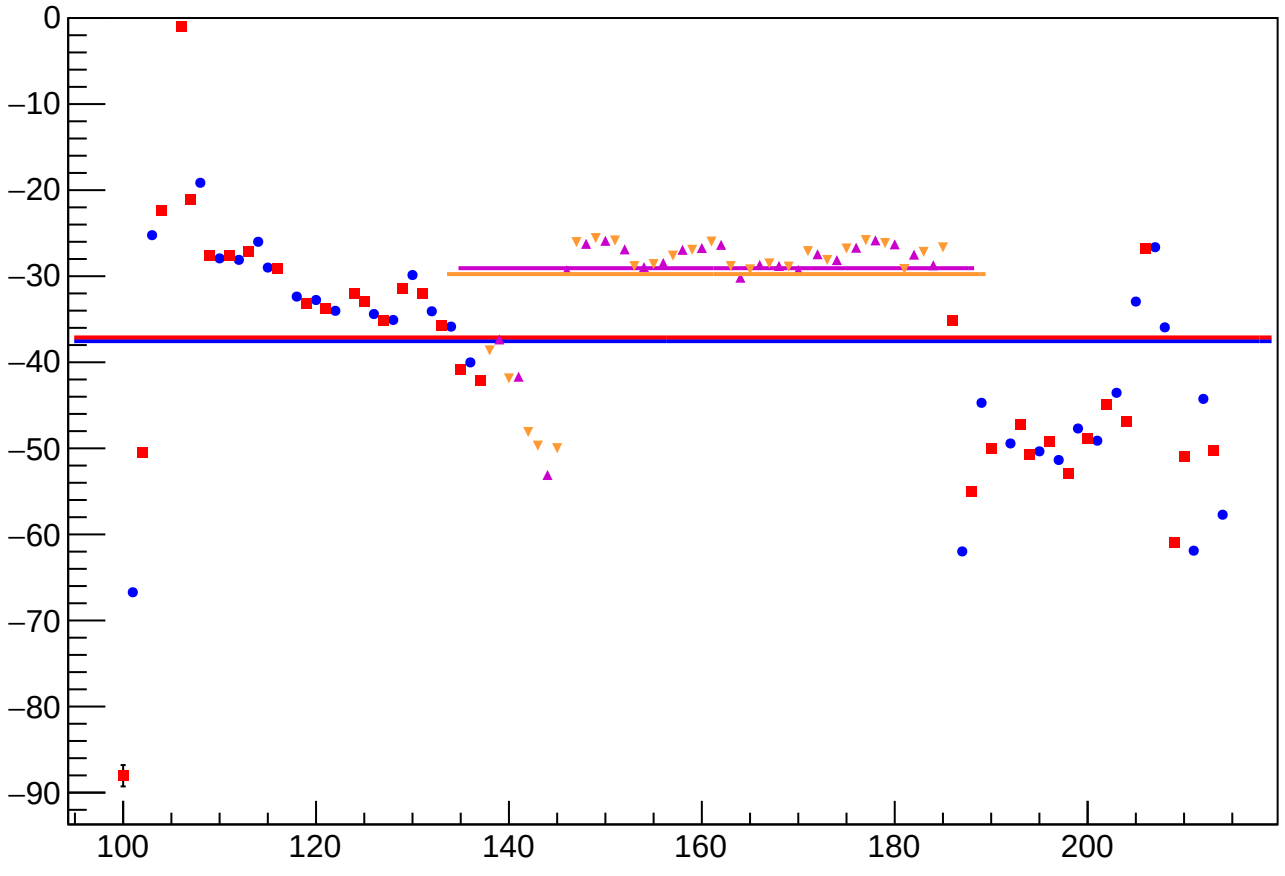
Right Out: -11.756+/-0.543 χ^2/NDF: 649.1/32

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.590+/-0.294 χ^2/NDF: 1632.5/54

All: -2.697+/-0.209 χ^2/NDF: 3226.5/110

- sign -2.806+/-0.296 χ^2/NDF: 1593.7/55



Right In: -37.546+/-0.029 χ^2/NDF: 138064.7/29

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.114+/-0.028 χ^2/NDF: 232866.6/32

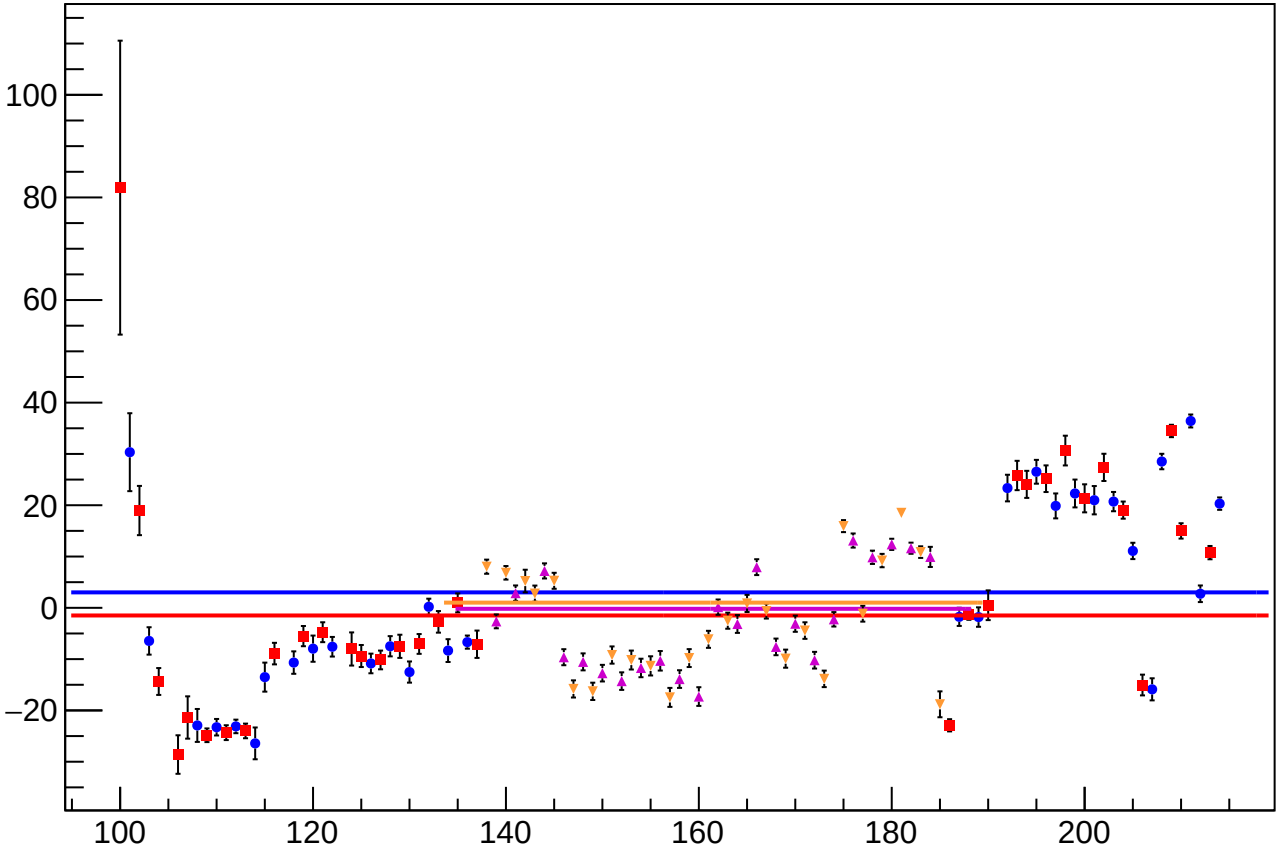
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.545+/-0.014 χ^2/NDF: 359171.1/54

All: -31.277+/-0.010 χ^2/NDF: 756873.0/110

- sign -31.005+/-0.014 χ^2/NDF: 396927.1/55

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 3.011+/-0.344 χ^2/NDF: 2887.2/29

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -1.491+/-0.329 χ^2/NDF: 3231.6/32

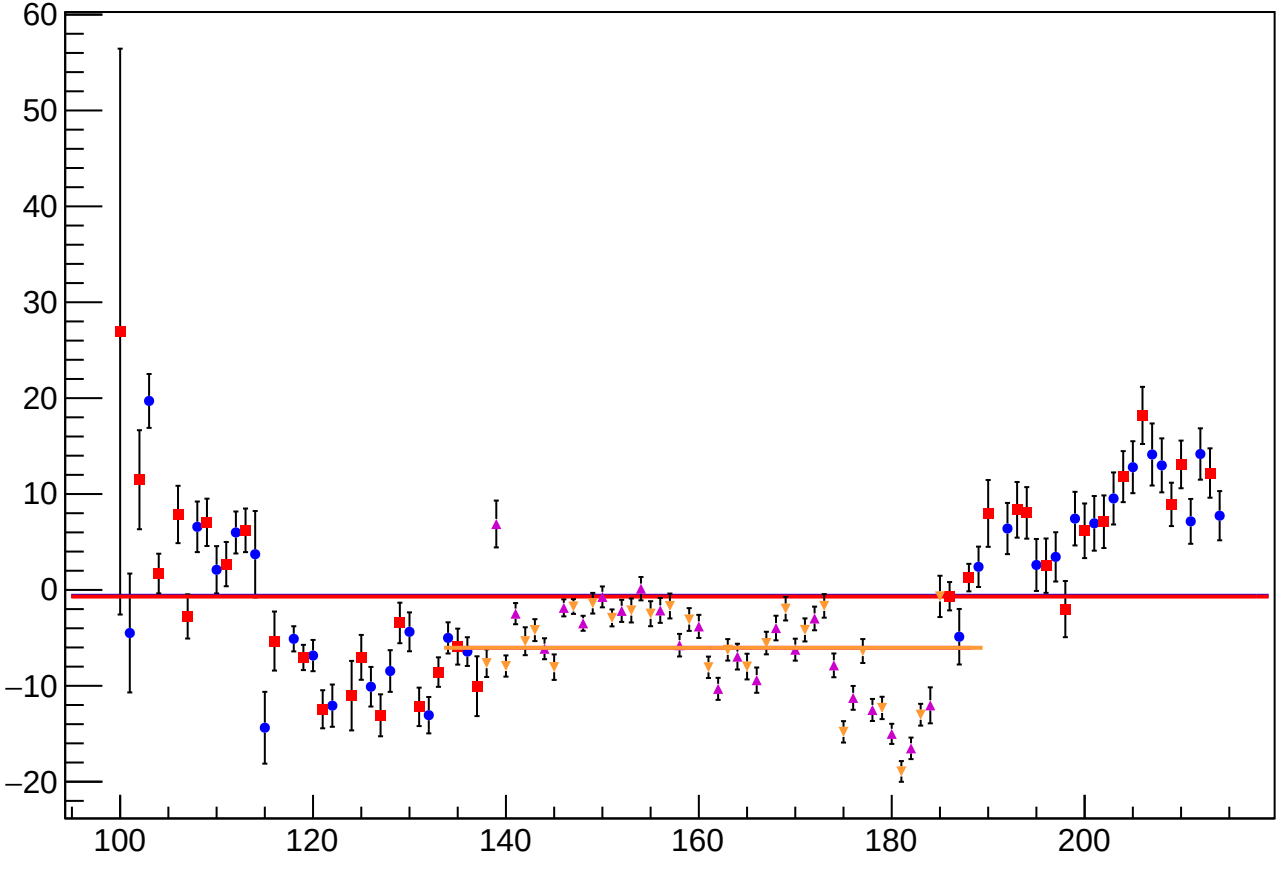
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 1.893+/-0.228 χ^2/NDF: 4241.1/54

All: 0.534+/-0.161 χ^2/NDF: 8534.3/110

- sign -0.813+/-0.227 χ^2/NDF: 4222.6/55

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.612+/-0.418 χ^2/NDF: 406.2/29

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.690+/-0.397 χ^2/NDF: 403.6/32

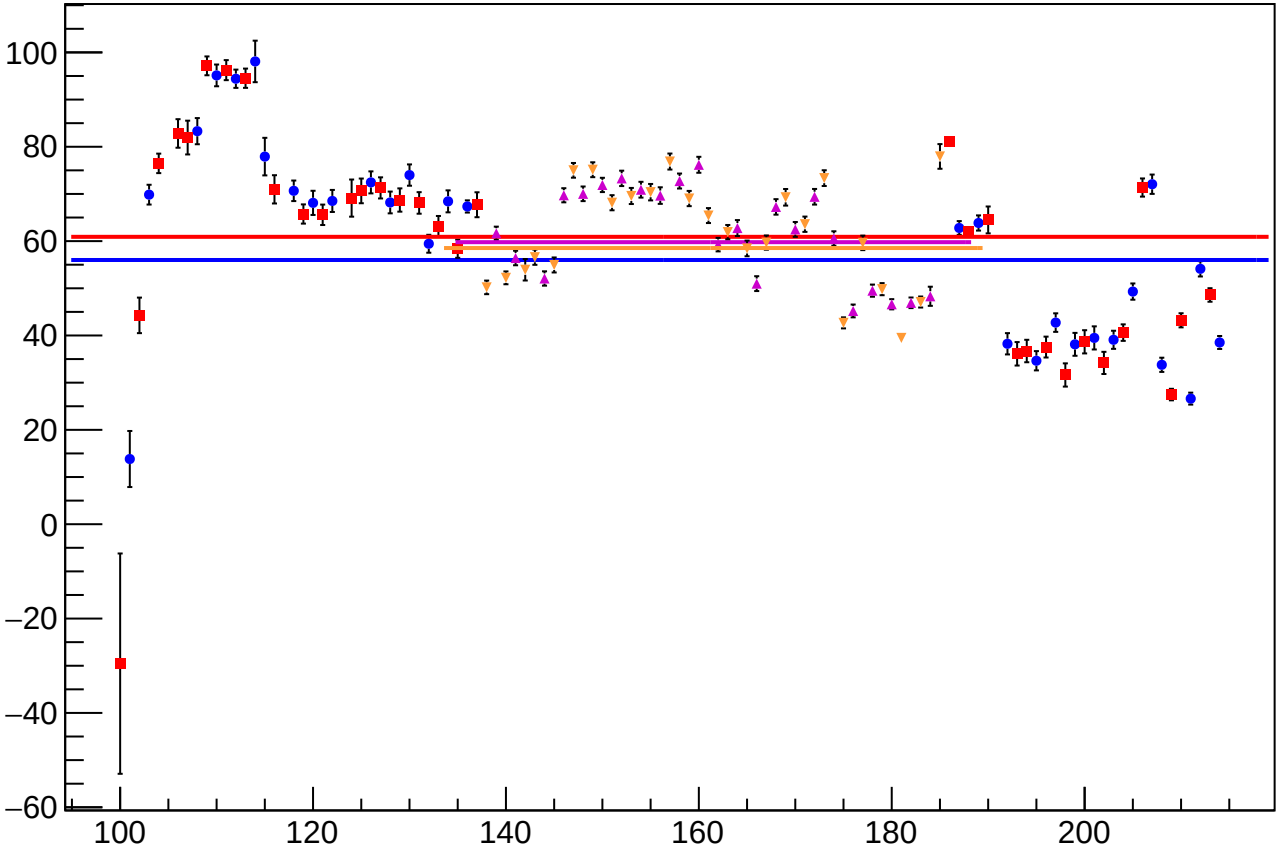
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -4.746+/-0.204 χ^2/NDF: 949.6/54

All: -4.667+/-0.145 χ^2/NDF: 1882.0/110

- sign -4.586+/-0.207 χ^2/NDF: 932.1/55

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 56.000+/-0.357 χ^2/NDF: 2777.5/29

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 60.911+/-0.331 χ^2/NDF: 3386.2/32

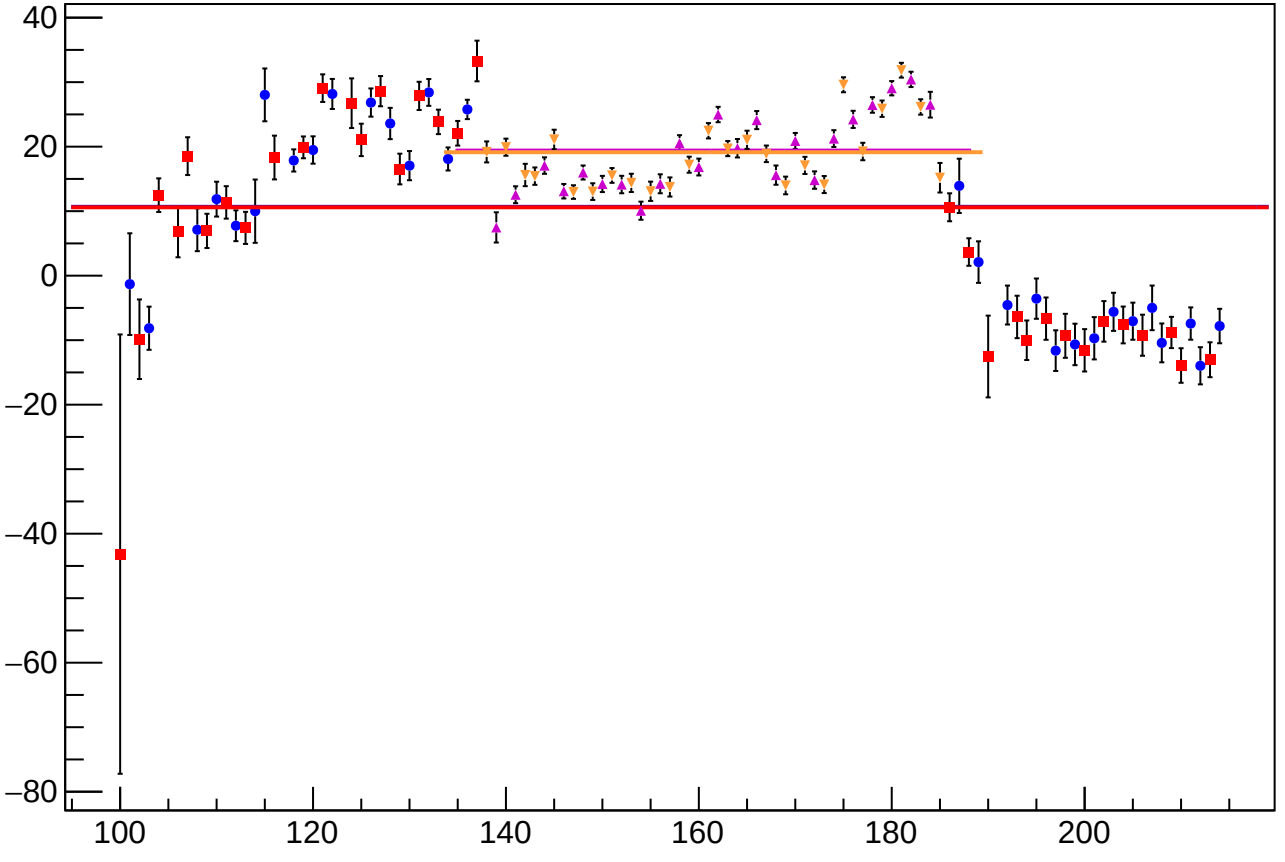
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 57.474+/-0.231 χ^2/NDF: 4256.0/54

All: 58.918+/-0.162 χ^2/NDF: 8795.7/110

- sign 60.310+/-0.227 χ^2/NDF: 4463.0/55

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 10.670+/-0.475 χ^2/NDF: 926.3/29

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 10.603+/-0.465 χ^2/NDF: 973.7/32

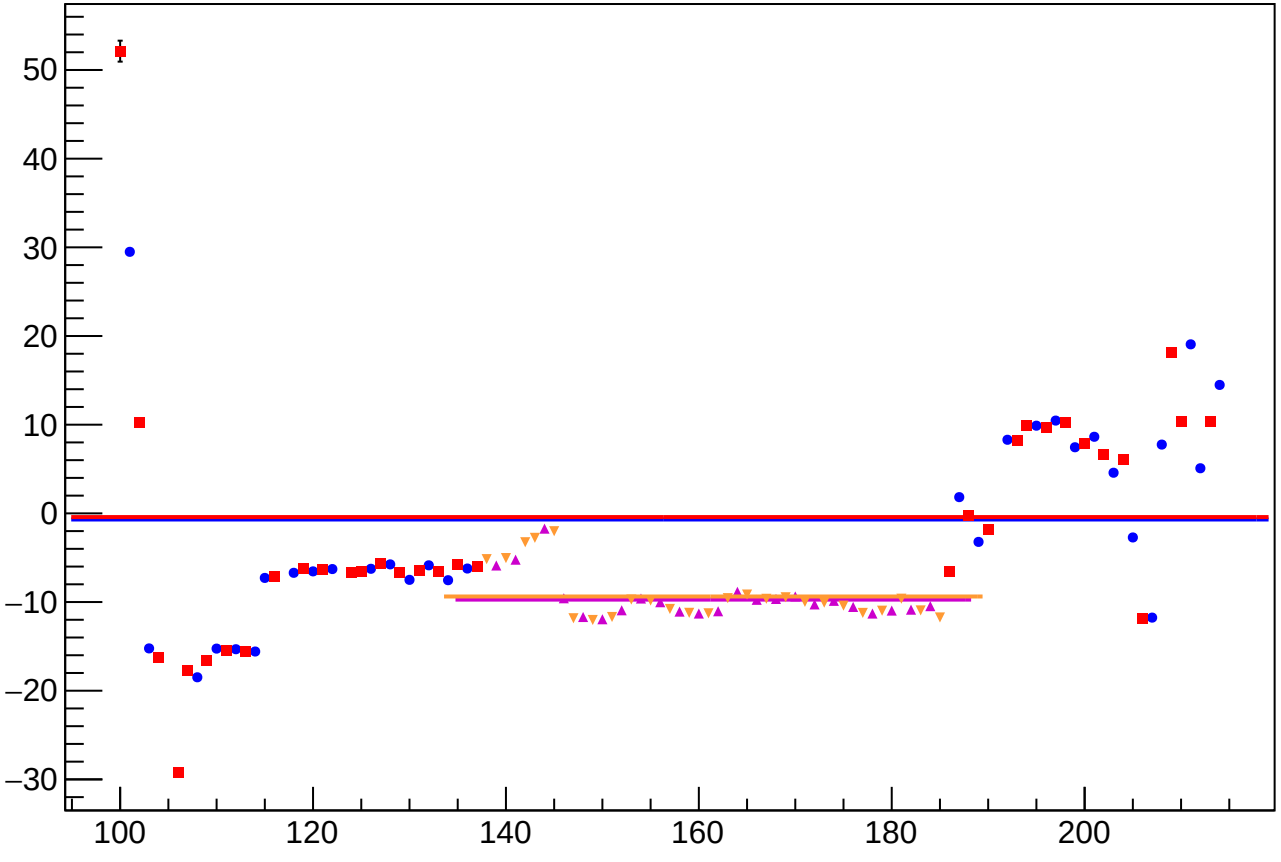
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 17.142+/-0.231 χ^2/NDF: 1602.6/54

All: 17.138+/-0.165 χ^2/NDF: 3308.8/110

- sign 17.134+/-0.236 χ^2/NDF: 1706.3/55

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -0.692+/-0.023 χ^2/NDF: 206309.3/29

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -0.419+/-0.023 χ^2/NDF: 238742.2/32

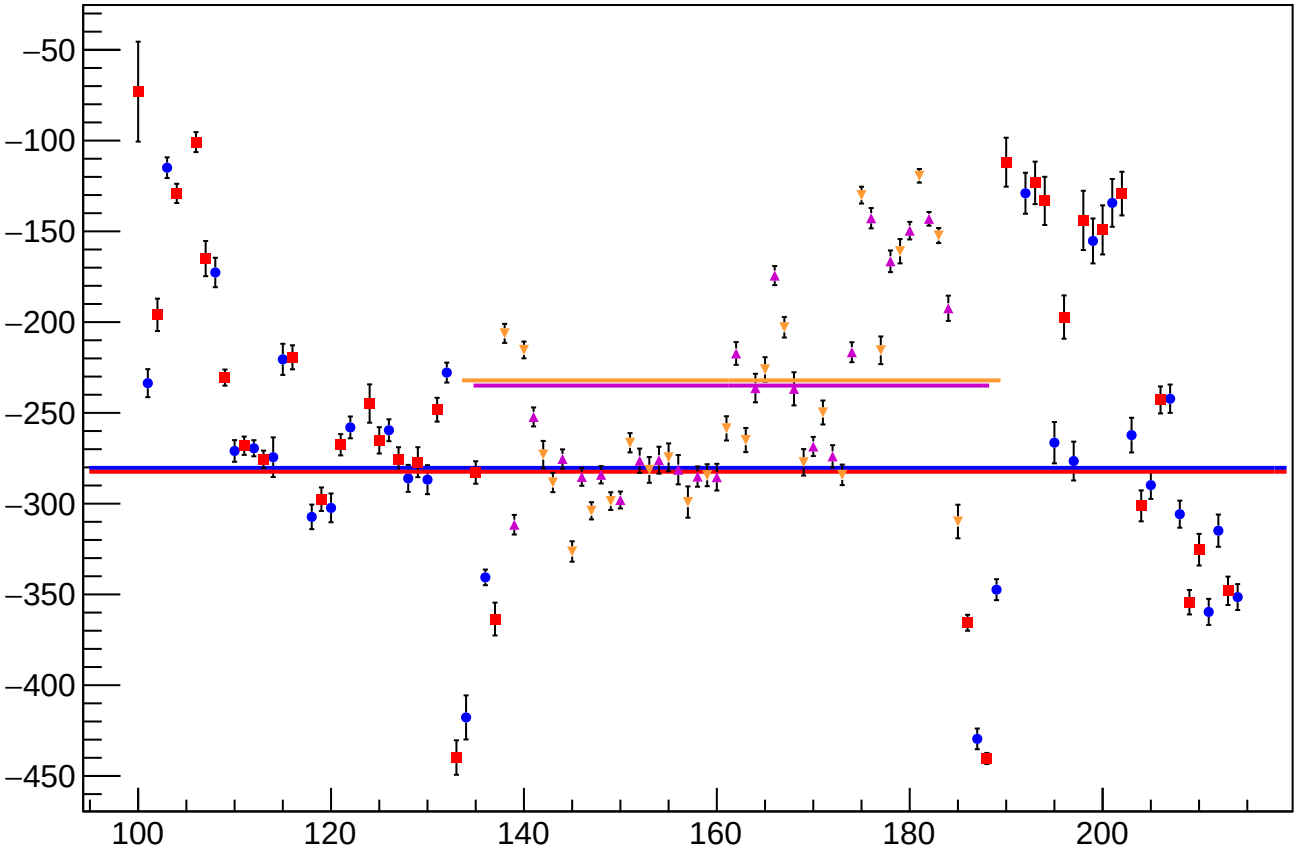
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.481+/-0.011 χ^2/NDF: 372683.8/54

All: -7.559+/-0.007 χ^2/NDF: 775891.5/110

- sign -7.639+/-0.011 χ^2/NDF: 403097.3/55

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -280.302+/-1.296 χ^2/NDF: 3076.2/29

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -282.407+/-1.175 χ^2/NDF: 6981.6/32

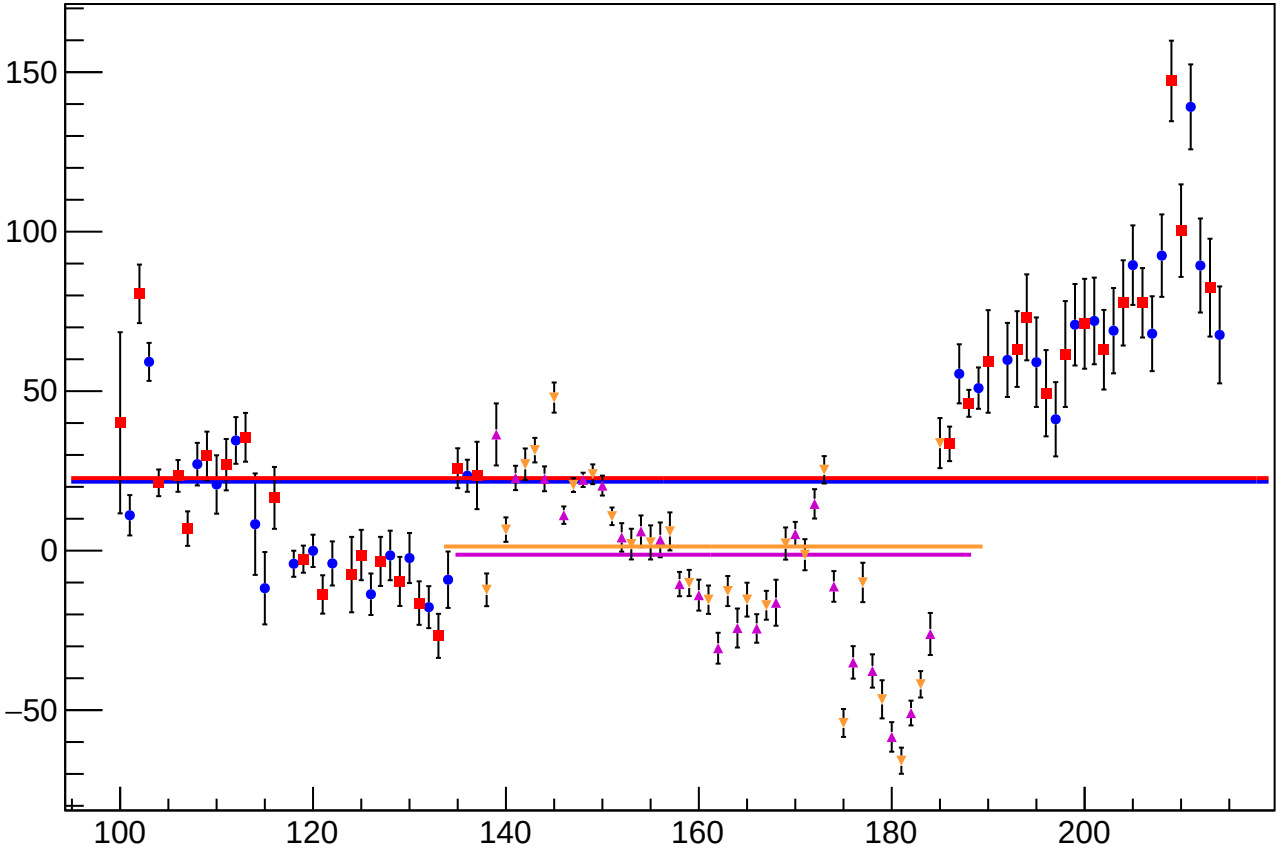
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -253.191+/-0.857 χ^2/NDF: 7124.8/54

All: -256.024+/-0.597 χ^2/NDF: 17412.7/110

- sign -258.687+/-0.831 χ^2/NDF: 10266.7/55

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.625+/-1.448 χ^2/NDF: 502.4/29

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 22.731+/-1.314 χ^2/NDF: 536.0/32

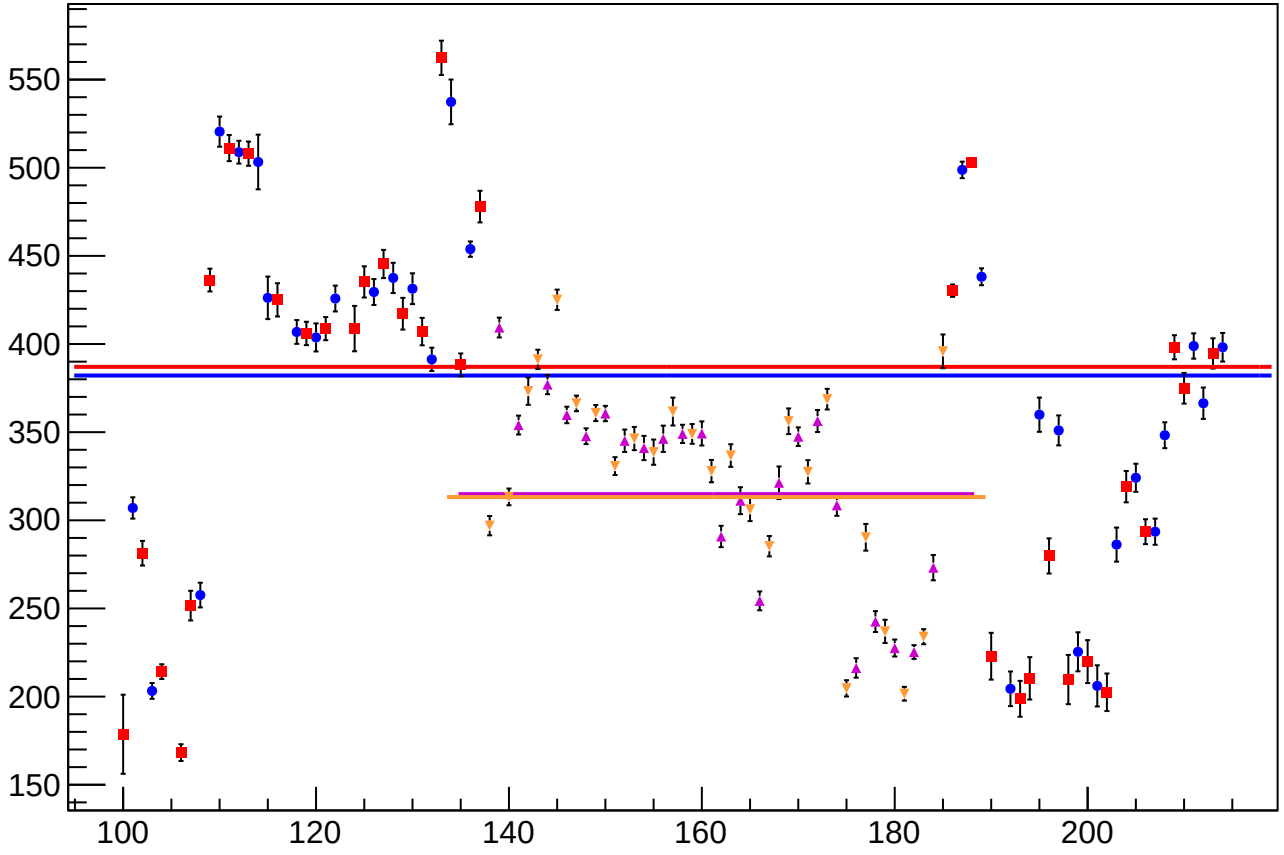
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 6.384+/-0.725 χ^2/NDF: 1699.6/54

All: 6.203+/-0.512 χ^2/NDF: 3279.3/110

- sign 6.023+/-0.725 χ^2/NDF: 1579.5/55

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 382.124+/-1.314 χ^2/NDF: 5233.6/29

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

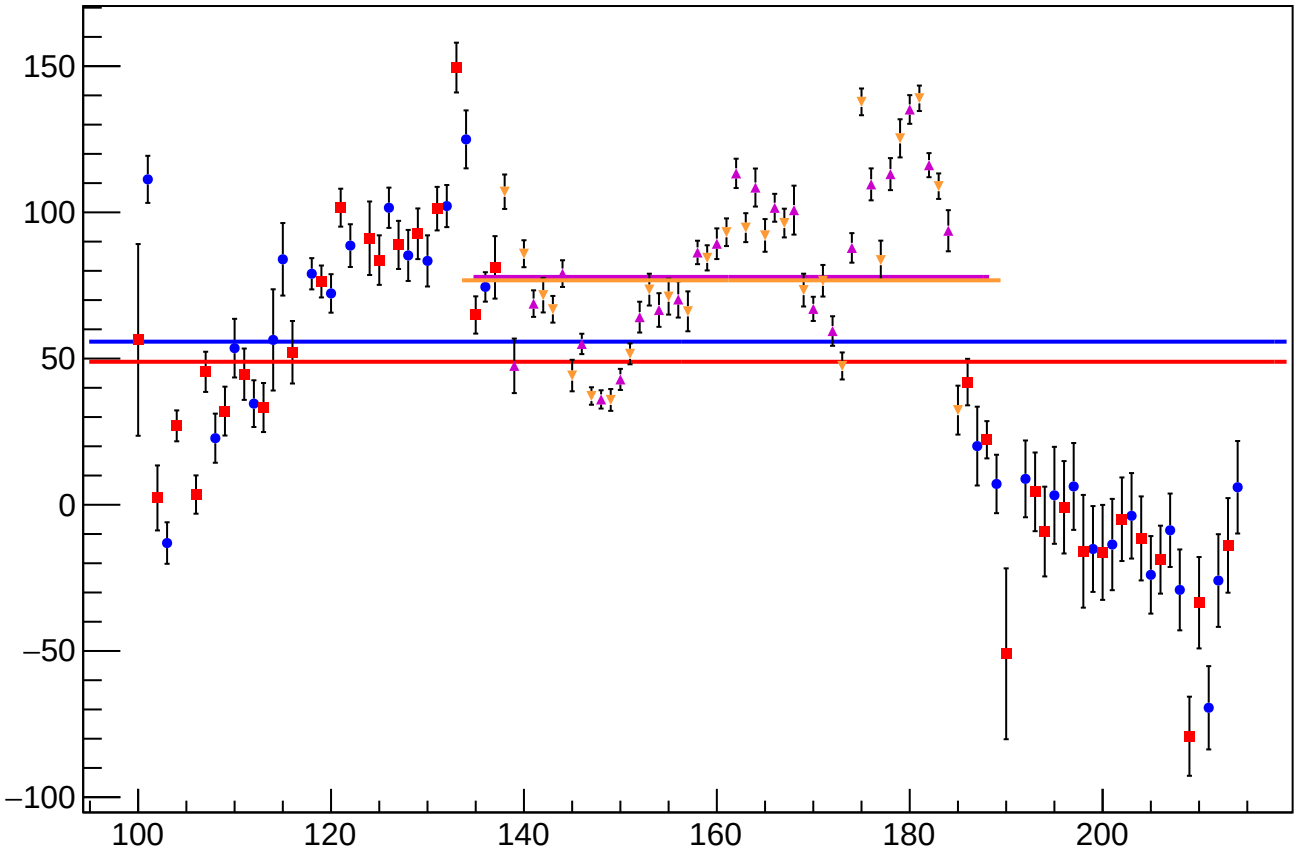
Right Out: 387.048+/-1.155 χ^2/NDF: 9701.1/32

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 342.611+/-0.859 χ^2/NDF: 9946.1/54

All: 347.082+/-0.593 χ^2/NDF: 24070.0/110

- sign 351.150+/-0.819 χ^2/NDF: 14072.2/55



Right In: 55.783+/-1.688 χ^2/NDF: 722.6/29

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.908+/-1.575 χ^2/NDF: 754.9/32

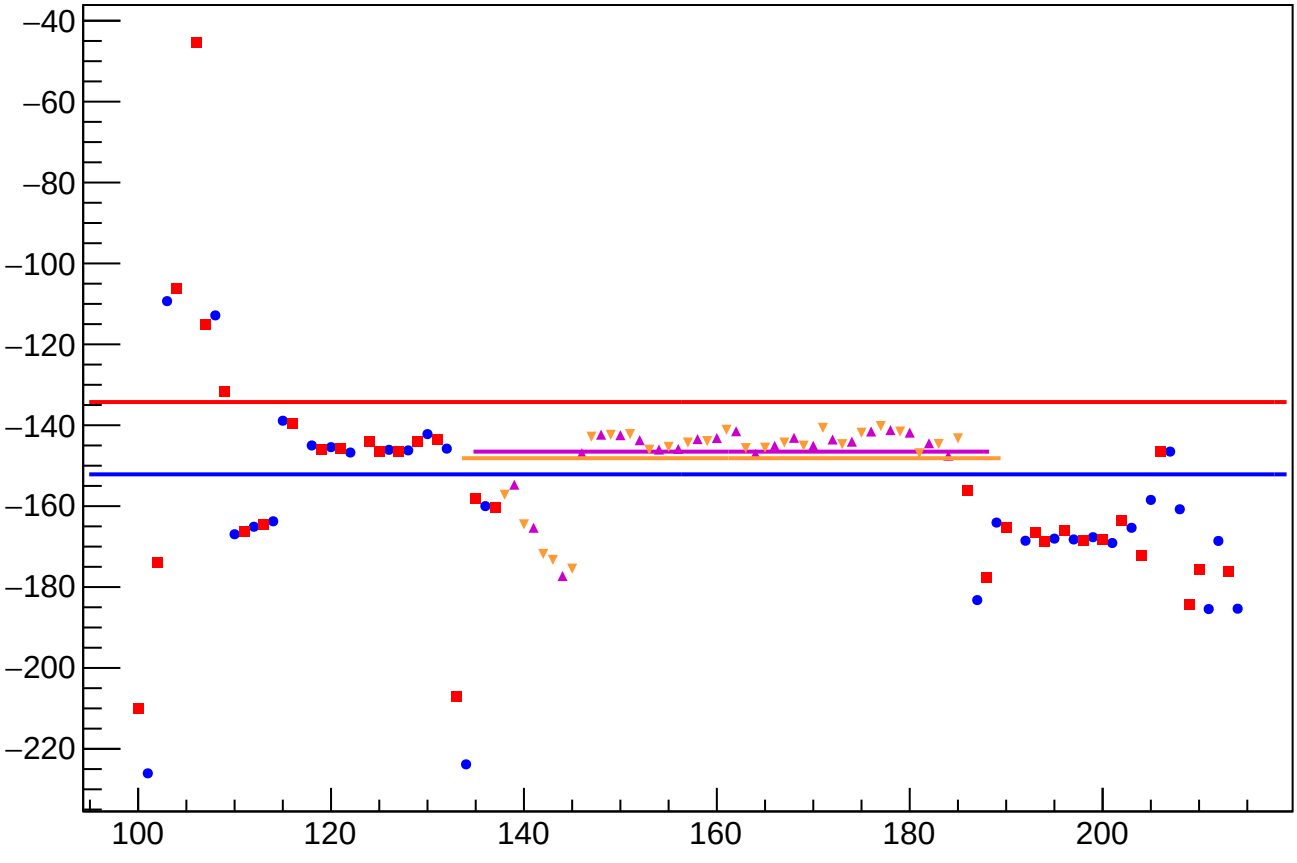
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 71.578+/-0.839 χ^2/NDF: 1874.2/54

All: 70.607+/-0.594 χ^2/NDF: 3657.9/110

- sign 69.628+/-0.842 χ^2/NDF: 1781.0/55

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.138+/-0.081 χ^2/NDF: 151226.0/29

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -134.266+/-0.074 χ^2/NDF: 361002.7/32

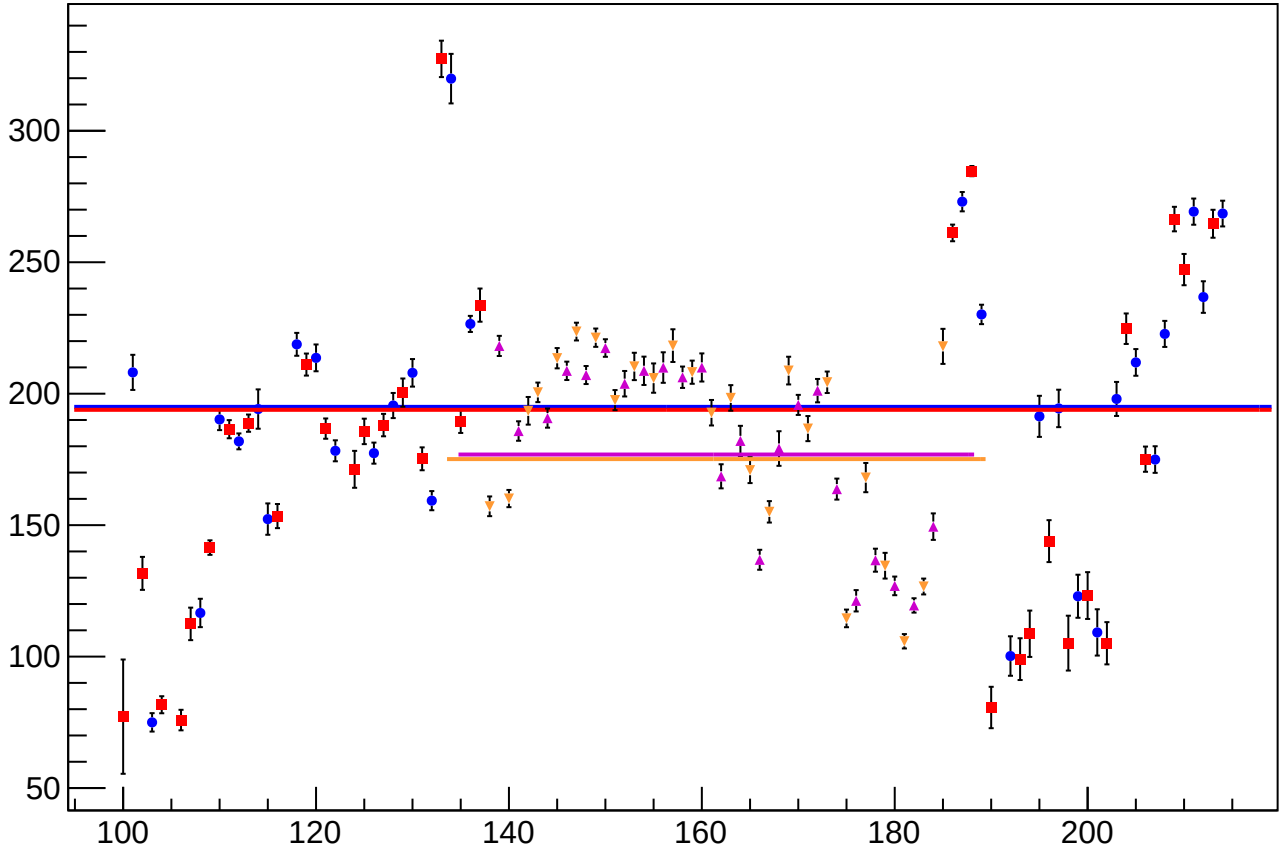
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.094+/-0.039 χ^2/NDF: 201992.5/54

All: -146.096+/-0.028 χ^2/NDF: 623346.6/110

- sign -143.180+/-0.039 χ^2/NDF: 409922.1/55

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 194.992+/-0.869 χ^2/NDF: 3352.6/29

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 193.869+/-0.779 χ^2/NDF: 7259.7/32

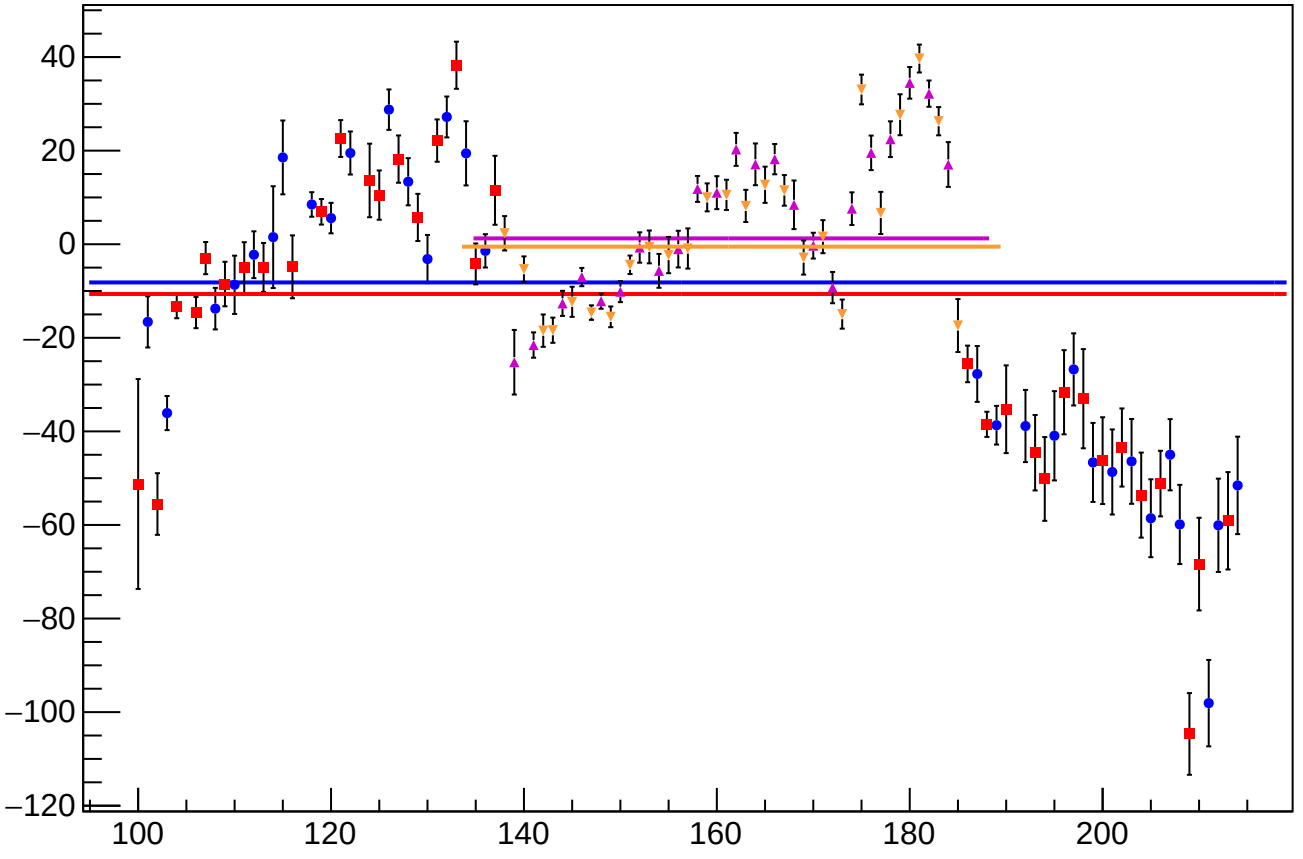
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 184.510+/-0.597 χ^2/NDF: 5923.7/54

All: 185.321+/-0.414 χ^2/NDF: 15161.3/110

- sign 186.070+/-0.574 χ^2/NDF: 9234.0/55

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.167+/-0.969 χ^2/NDF: 741.6/29

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -10.634+/-0.867 χ^2/NDF: 833.5/32

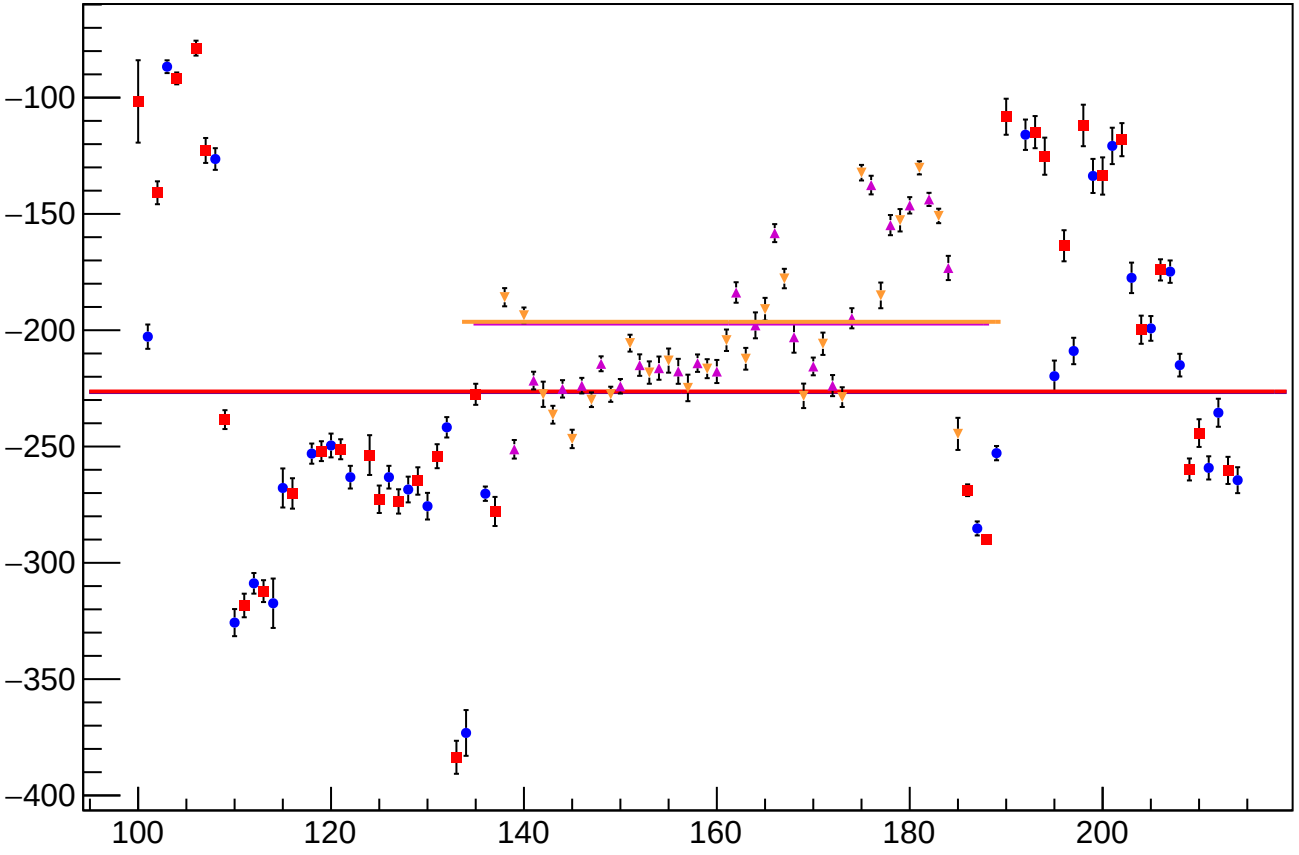
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.646+/-0.511 χ^2/NDF: 1511.1/54

All: -2.736+/-0.360 χ^2/NDF: 3088.7/110

- sign -2.824+/-0.507 χ^2/NDF: 1577.5/55

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.576+/-0.879 χ^2/NDF: 5926.5/29

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.350+/-0.763 χ^2/NDF: 10651.4/32

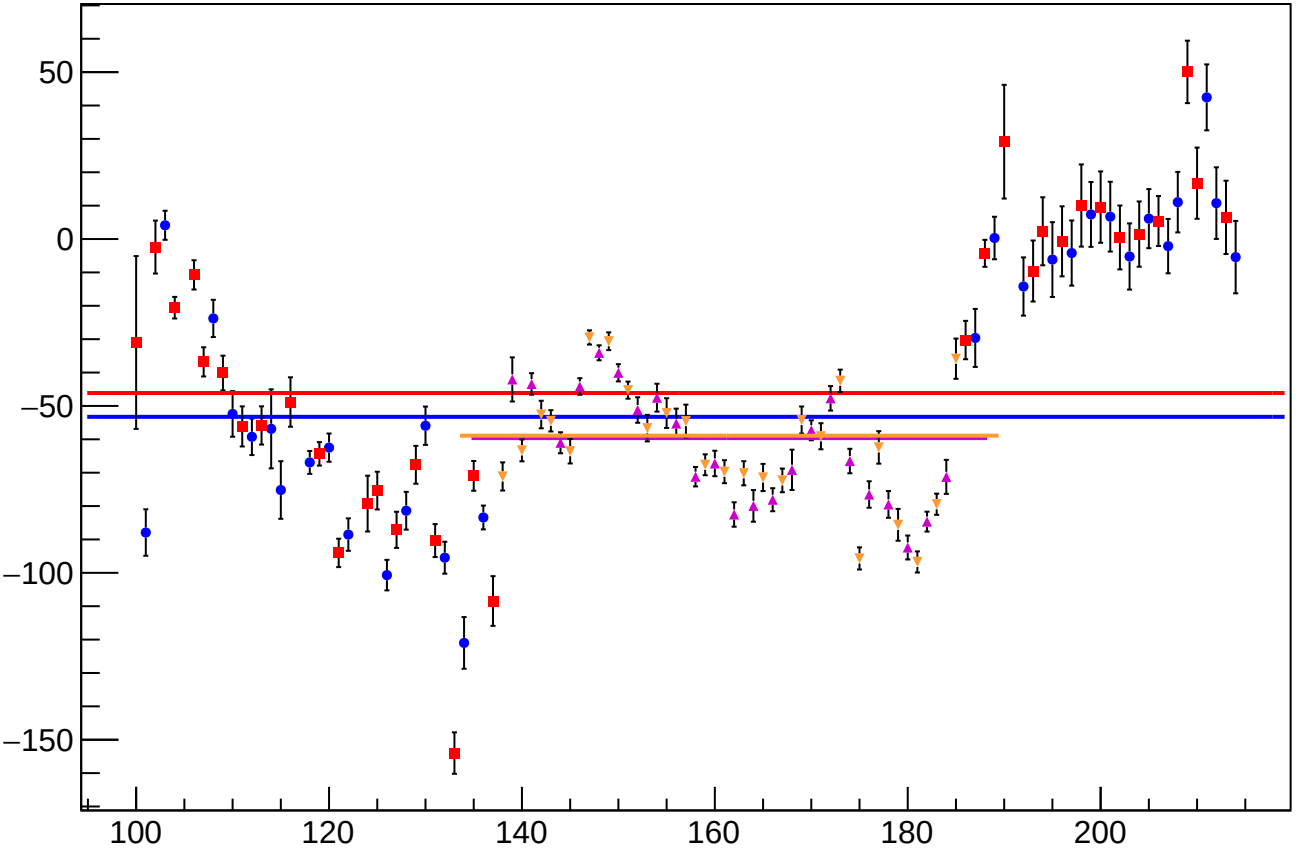
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

\+ sign -210.360+/-0.598 χ^2/NDF: 8558.6/54

All: -211.805+/-0.410 χ^2/NDF: 21488.6/110

\- sign -213.090+/-0.564 χ^2/NDF: 12919.0/55

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -53.263+/-1.133 χ^2/NDF: 1186.1/29

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -46.126+/-1.042 χ^2/NDF: 1418.8/32

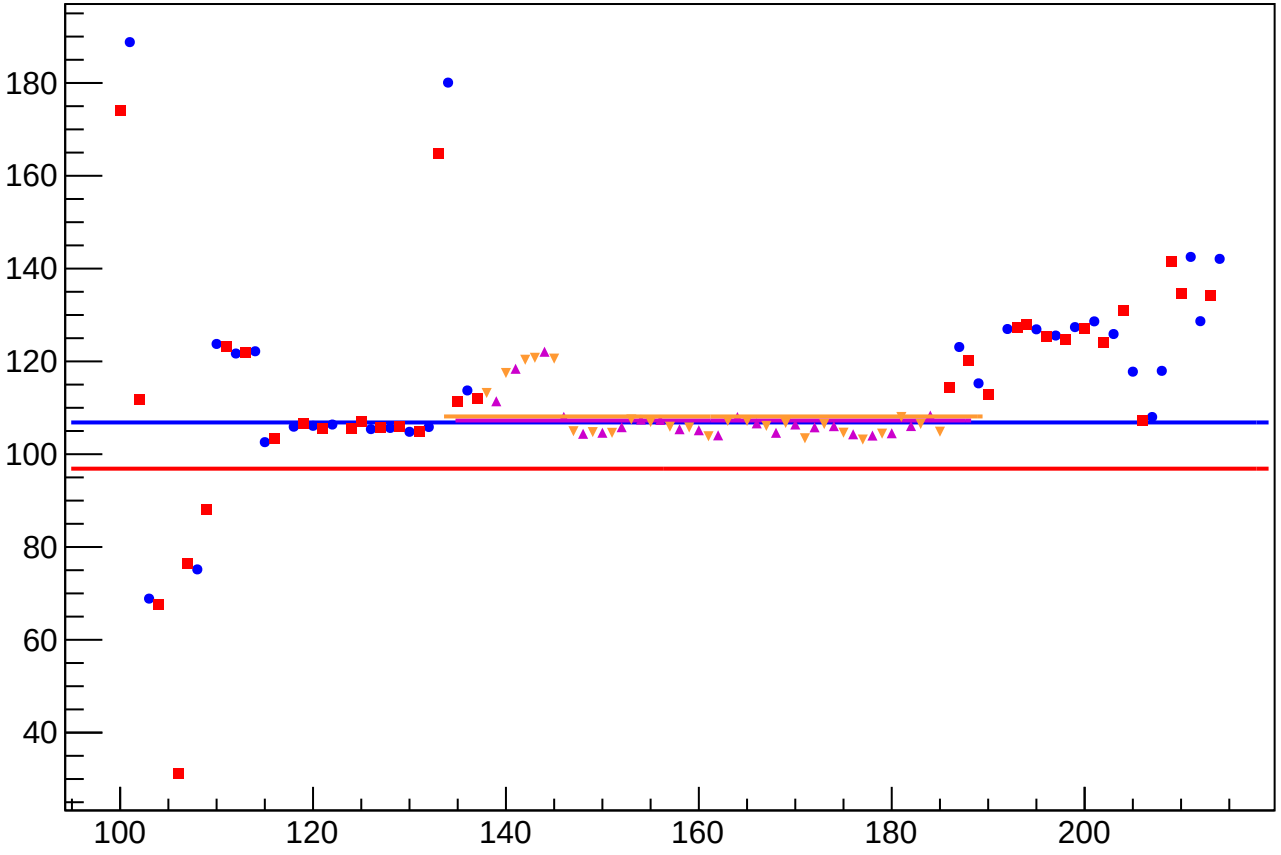
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

\+ sign -57.366+/-0.592 χ^2/NDF: 1986.7/54

All: -56.323+/-0.418 χ^2/NDF: 4122.8/110

\- sign -55.282+/-0.591 χ^2/NDF: 2129.9/55

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 106.842+/-0.054 χ^2/NDF: 285439.5/29

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

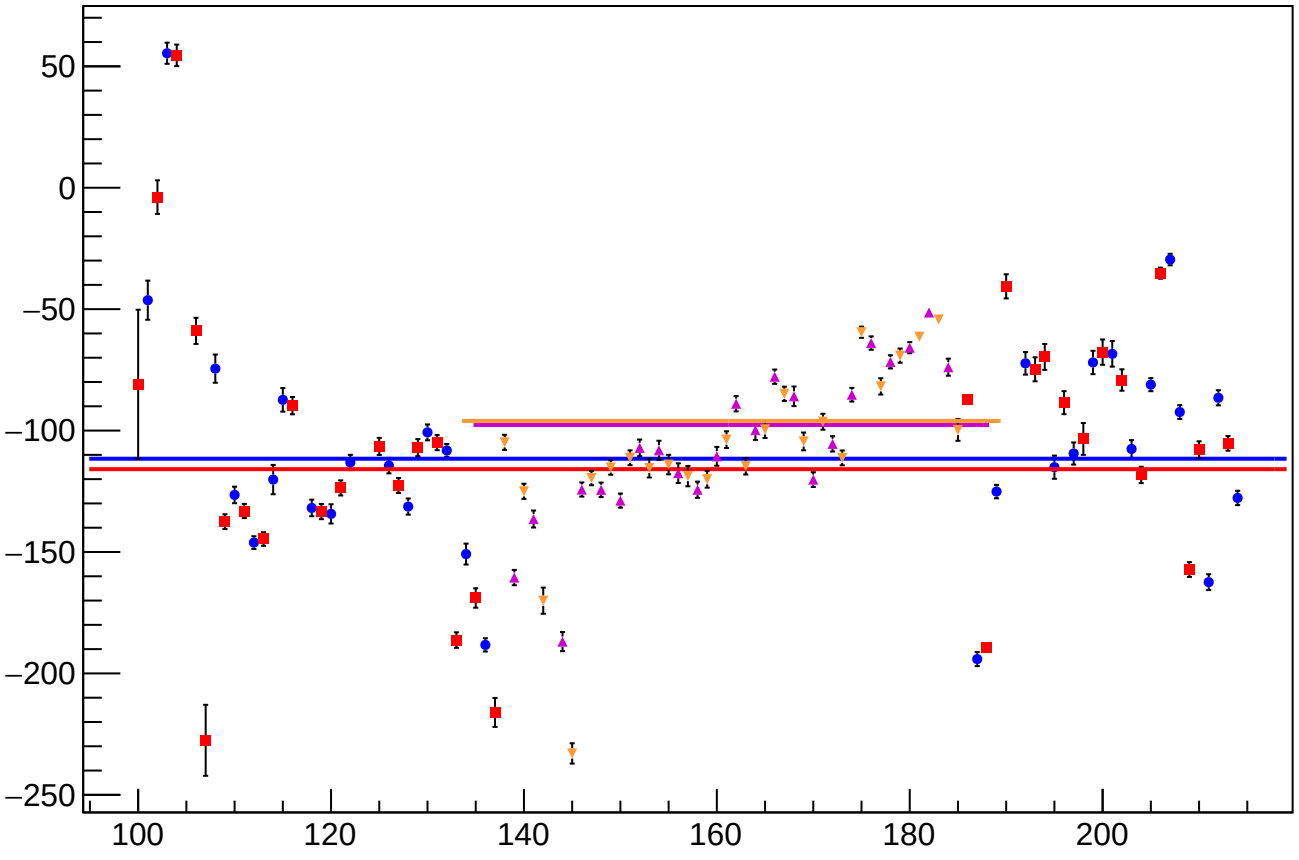
Right Out: 96.882+/-0.050 χ^2/NDF: 408800.2/32

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.793+/-0.028 χ^2/NDF: 312281.2/54

All: 105.950+/-0.020 χ^2/NDF: 776614.7/110

- sign 104.152+/-0.027 χ^2/NDF: 455664.8/55



Right In: -111.587+/-0.626 χ^2/NDF: 5531.5/29

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

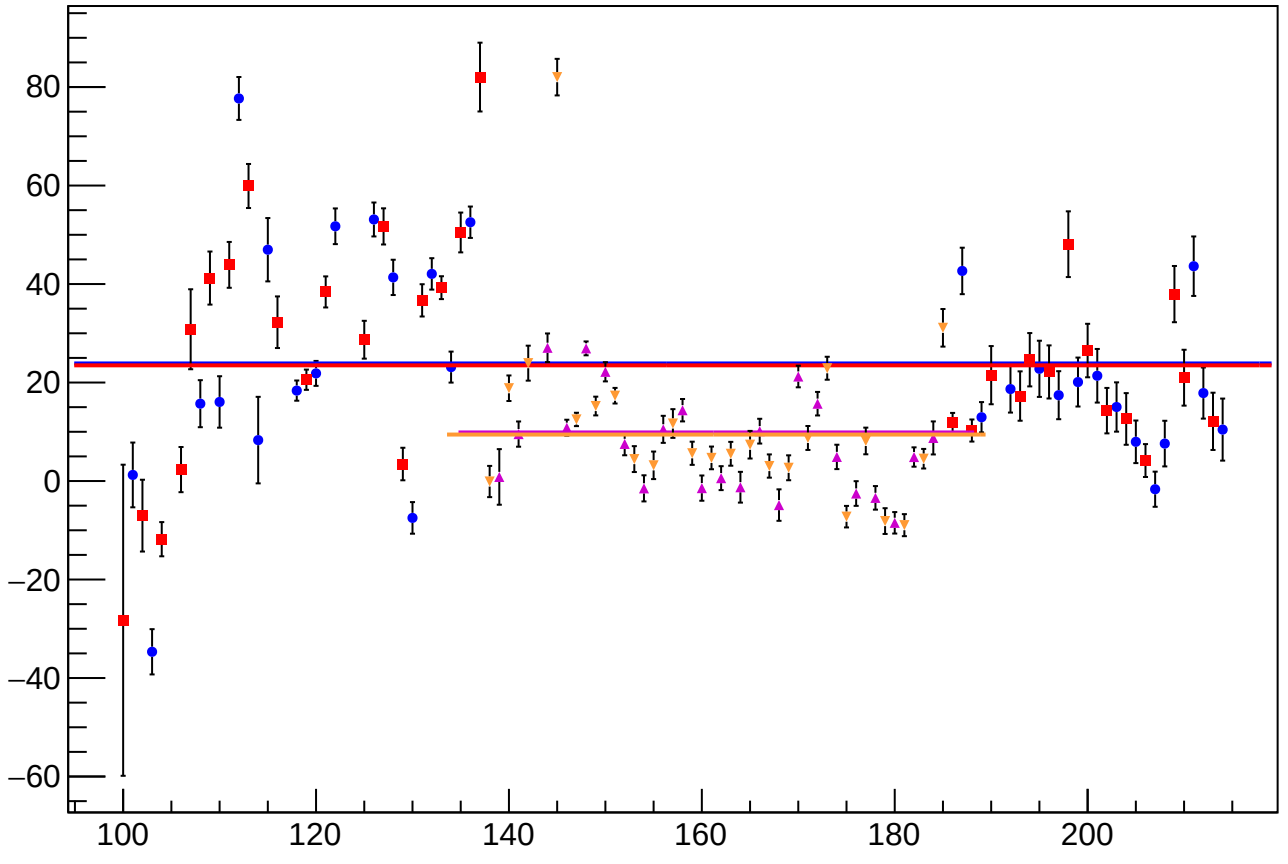
Right Out: -115.897+/-0.587 χ^2/NDF: 7515.7/31

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -103.917+/-0.446 χ^2/NDF: 8607.0/53

All: -105.800+/-0.310 χ^2/NDF: 19237.9/108

\- sign -107.570+/-0.432 χ^2/NDF: 10596.2/54



Right In: 23.873+/-0.722 χ^2/NDF: 848.9/29

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

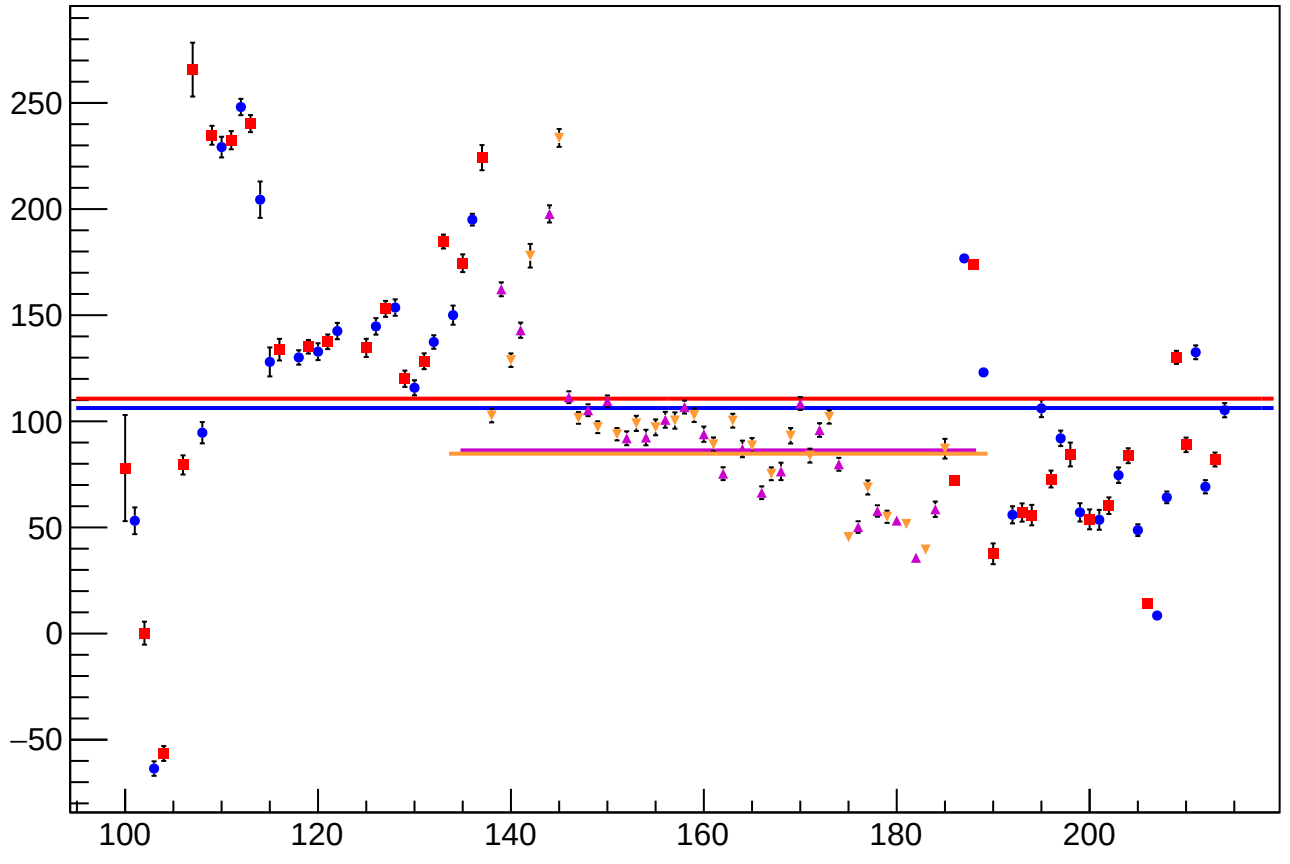
Right Out: 23.493+/-0.680 χ^2/NDF: 679.7/31

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.836+/-0.399 χ^2/NDF: 1863.1/53

All: 14.159+/-0.281 χ^2/NDF: 3295.2/108

\- sign 14.479+/-0.396 χ^2/NDF: 1430.7/54



Right In: 106.263+/-0.636 χ^2/NDF: 10516.2/29

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

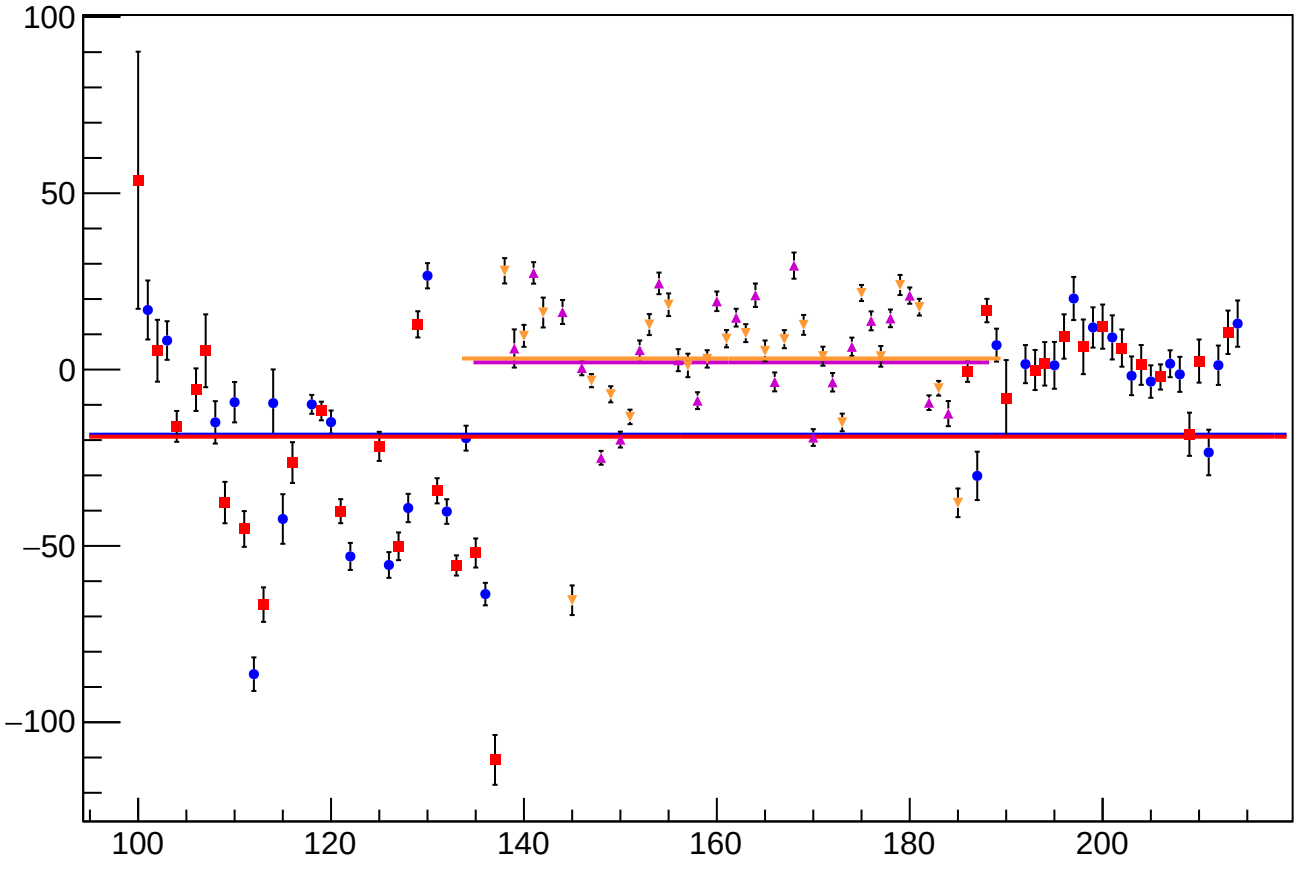
Right Out: 110.680+/-0.570 χ^2/NDF: 13257.6/31

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.388+/-0.447 χ^2/NDF: 14204.1/53

All: 97.688+/-0.307 χ^2/NDF: 31485.7/108

\- sign 99.745+/-0.423 χ^2/NDF: 17231.5/54



Right In: -18.458+/-0.835 χ^2/NDF: 1119.8/29

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

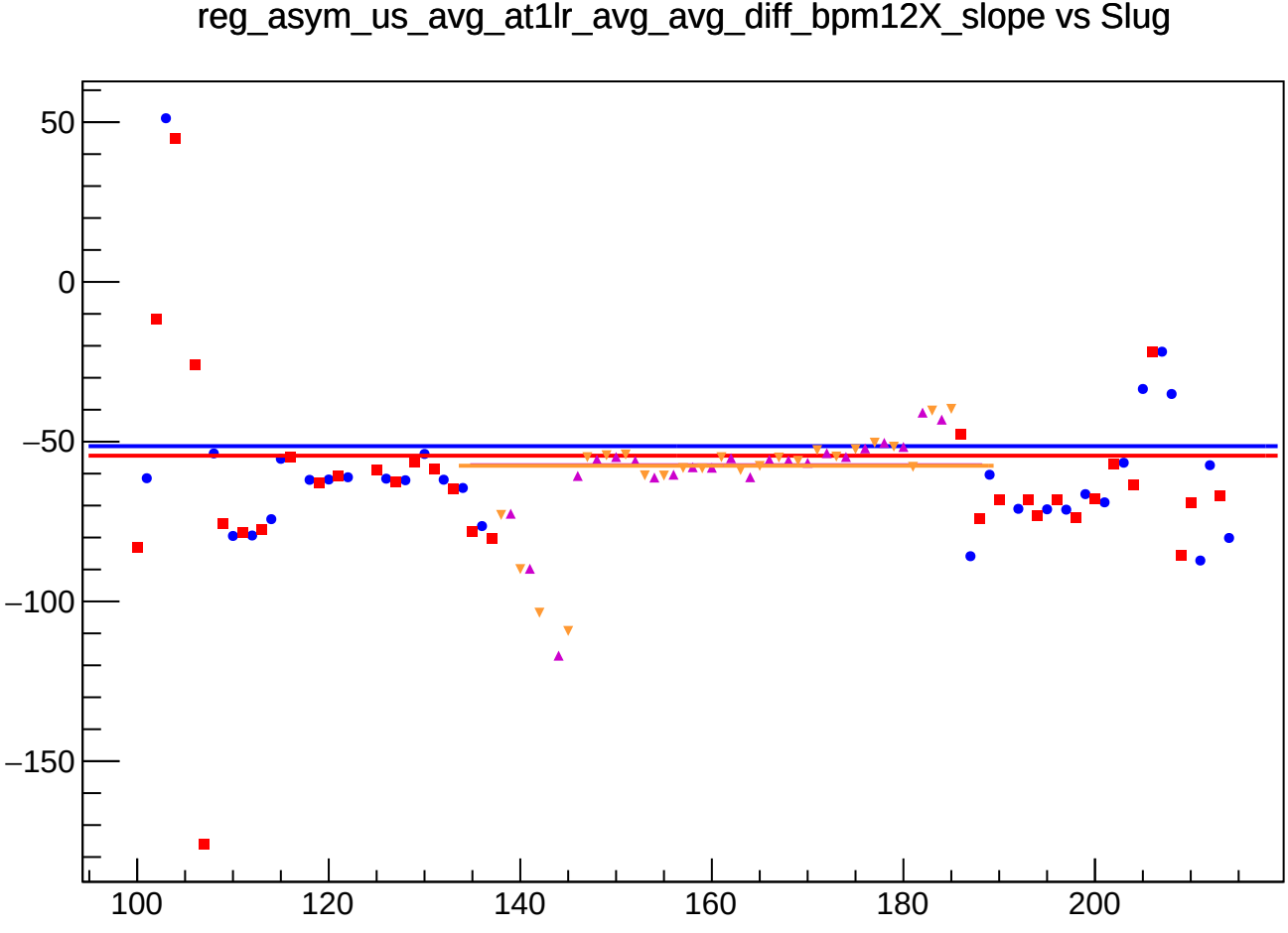
Right Out: -19.030+/-0.814 χ^2/NDF: 1079.1/31

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.280+/-0.456 χ^2/NDF: 2403.7/53

All: -3.926+/-0.322 χ^2/NDF: 4797.5/108

\- sign -4.573+/-0.456 χ^2/NDF: 2389.7/54



Right In: -51.402+/-0.040 χ^2/NDF: 725575.6/29

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

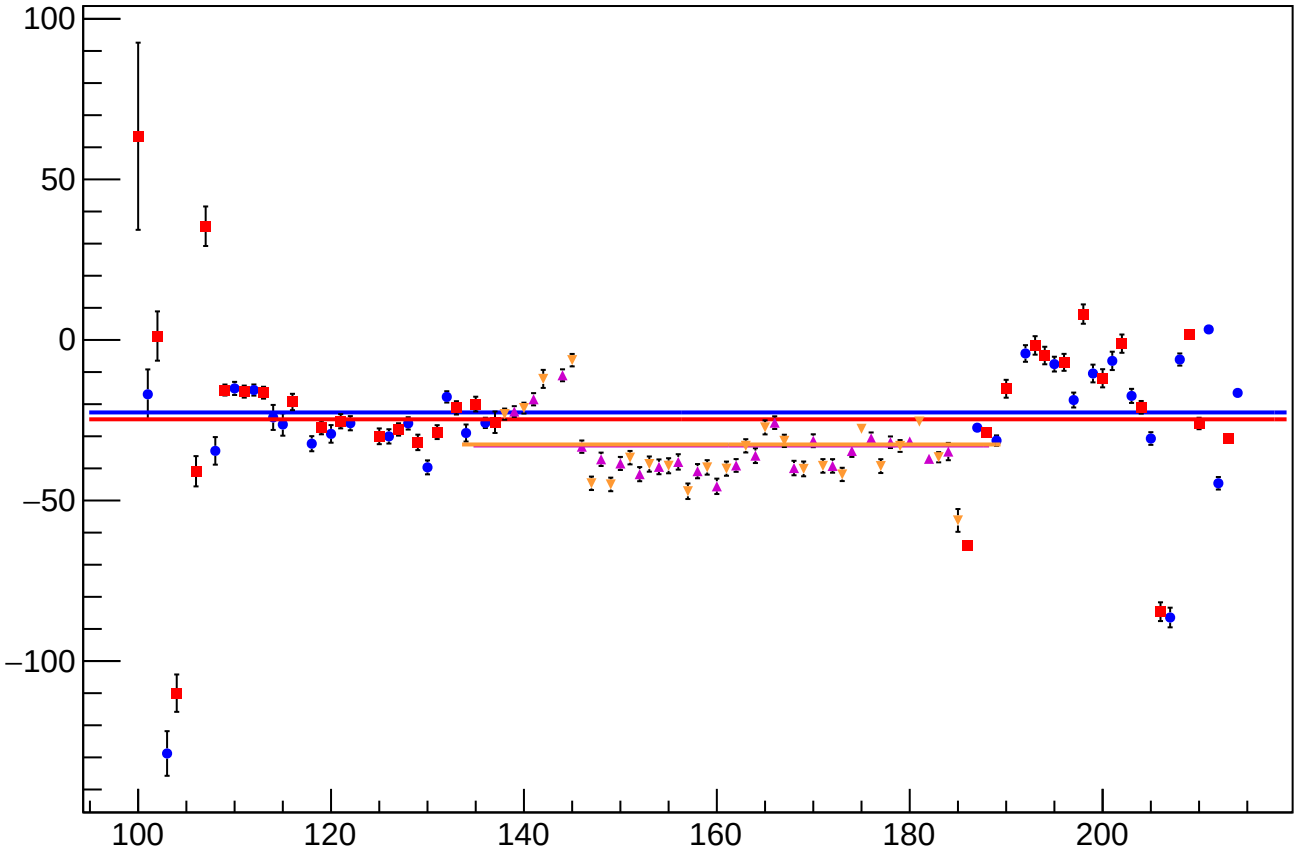
Right Out: -54.388+/-0.040 χ^2/NDF: 636819.0/31

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -55.845+/-0.021 χ^2/NDF: 1009463.6/53

All: -56.203+/-0.015 χ^2/NDF: 1877973.1/108

- sign -56.561+/-0.021 χ^2/NDF: 867934.2/54



Right In: -22.573+/-0.391 χ^2/NDF: 1537.8/29

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

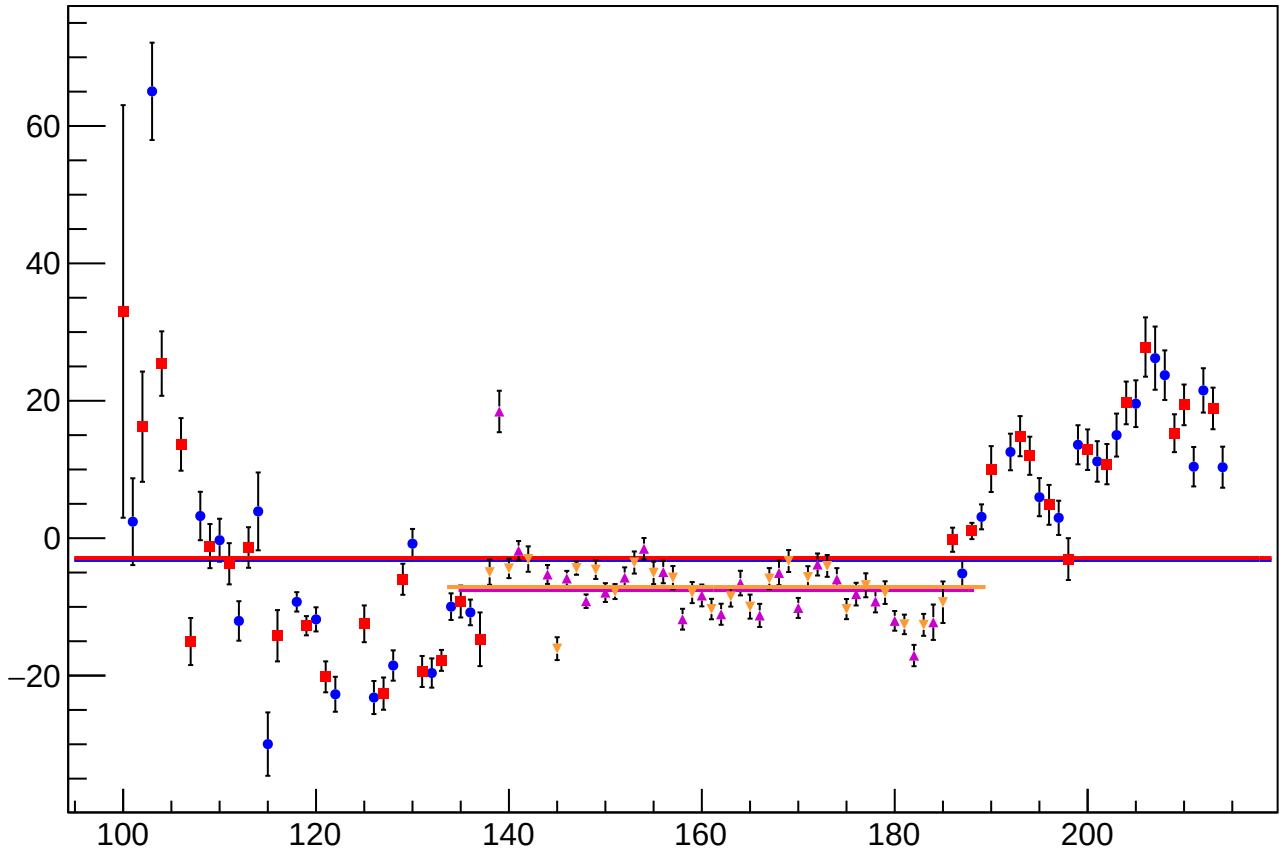
Right Out: -24.714+/-0.370 χ^2/NDF: 2383.0/31

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -27.362+/-0.282 χ^2/NDF: 2454.4/53

All: -27.872+/-0.197 χ^2/NDF: 5434.3/108

\- sign -28.358+/-0.275 χ^2/NDF: 2973.5/54



Right In: -3.165+/-0.467 χ^2/NDF: 851.1/29

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

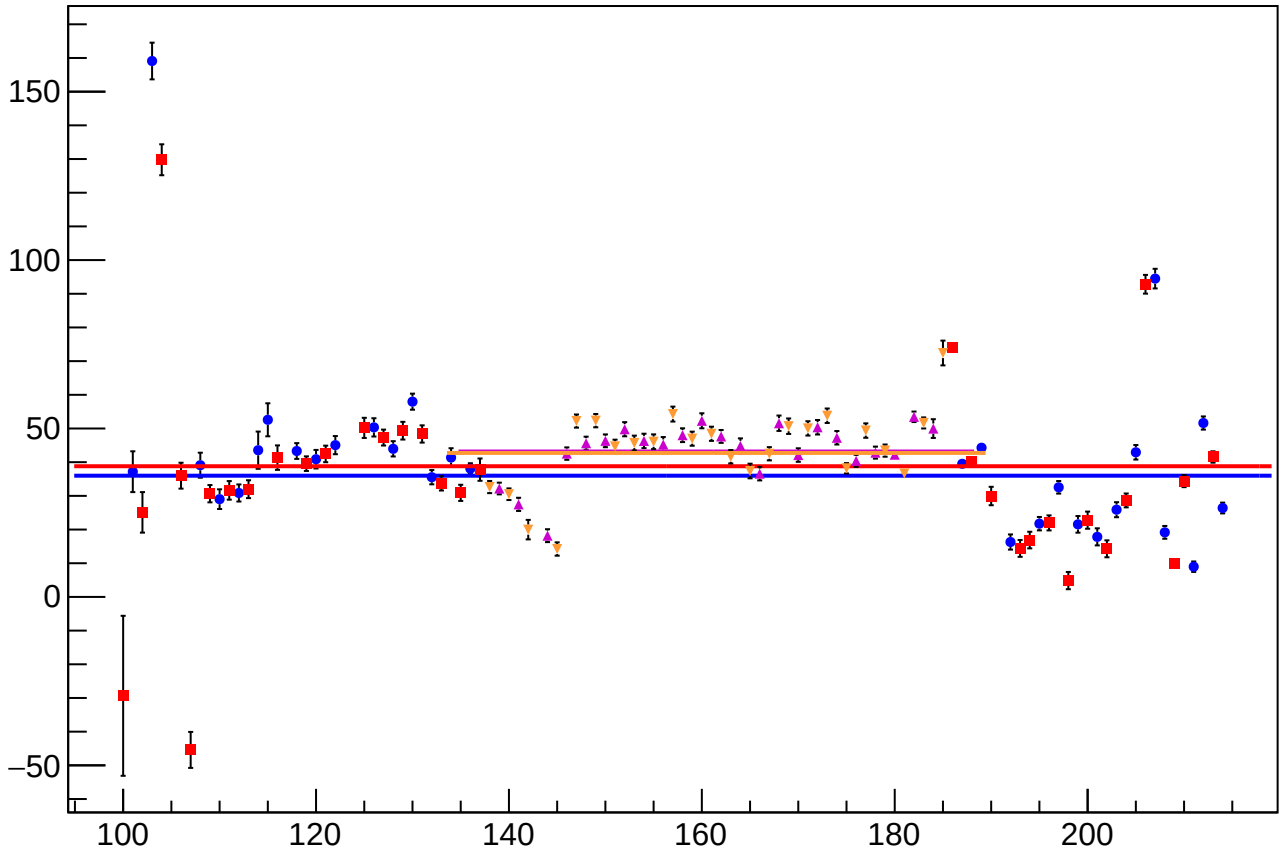
Right Out: -2.887+/-0.445 χ^2/NDF: 851.1/31

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.909+/-0.258 χ^2/NDF: 1010.1/53

All: -5.949+/-0.182 χ^2/NDF: 2134.1/108

- sign -5.989+/-0.257 χ^2/NDF: 1124.0/54



Right In: 35.988+/-0.396 χ^2/NDF: 1869.6/29

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

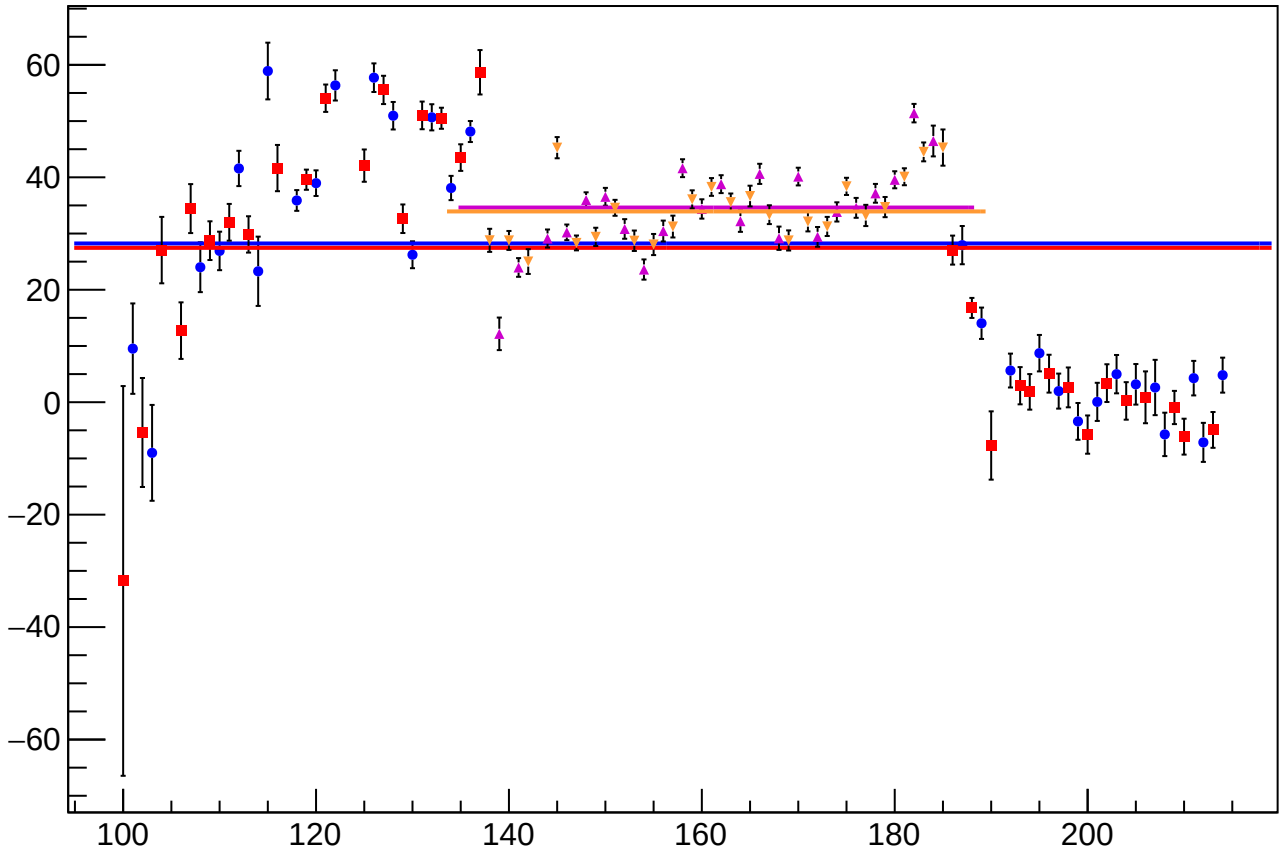
Right Out: 38.796+/-0.361 χ^2/NDF: 3074.7/31

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

+ sign 39.303+/-0.282 χ^2/NDF: 2644.1/53

All: 40.044+/-0.195 χ^2/NDF: 6209.6/108

- sign 40.720+/-0.270 χ^2/NDF: 3552.3/54



Right In: 28.233+/-0.542 χ^2/NDF: 1451.1/29

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

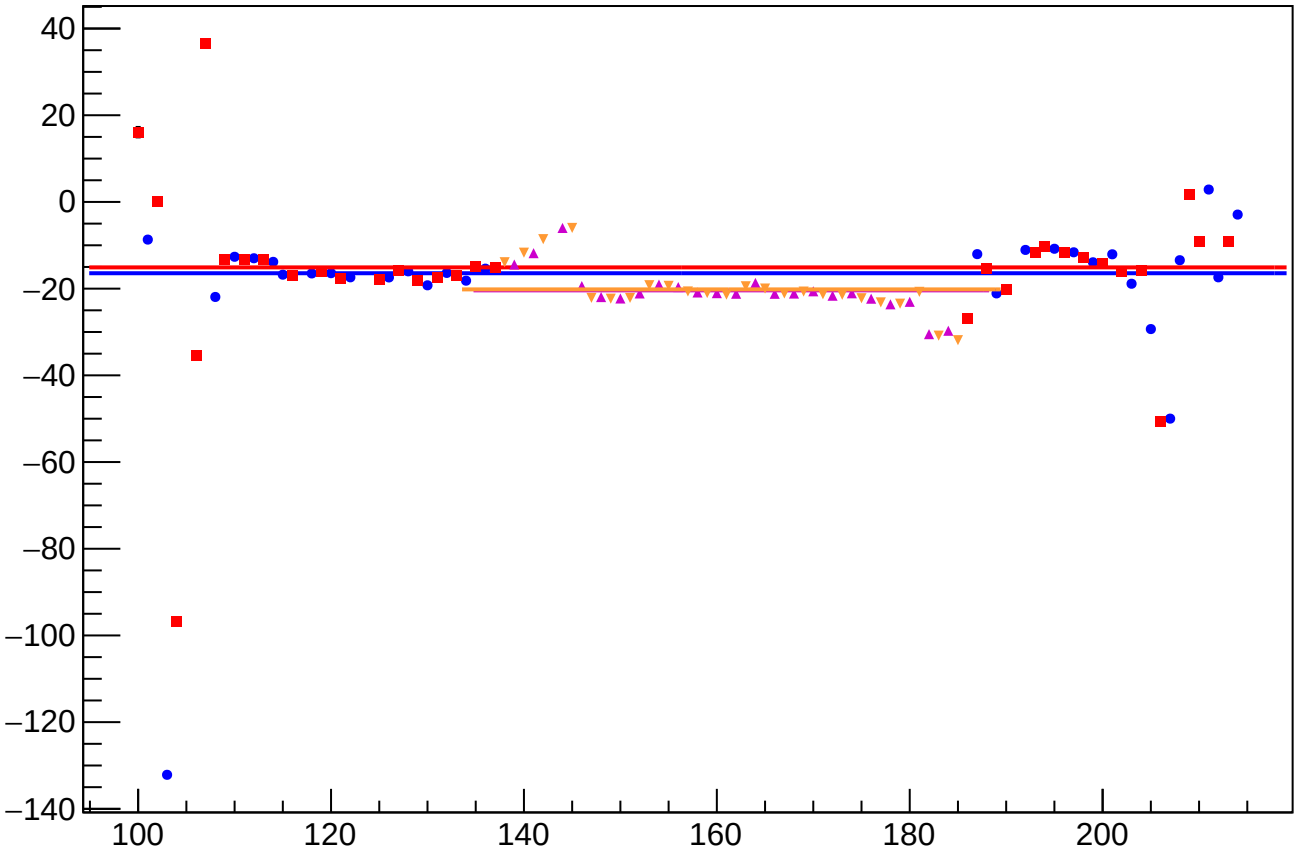
Right Out: 27.455+/-0.531 χ^2/NDF: 1547.7/31

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 32.248+/-0.294 χ^2/NDF: 1745.5/53

All: 32.323+/-0.209 χ^2/NDF: 3795.1/108

- sign 32.398+/-0.296 χ^2/NDF: 2049.4/54



Right In: -16.446+/-0.026 χ^2/NDF: 330481.8/29

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.098+/-0.026 χ^2/NDF: 275826.9/31

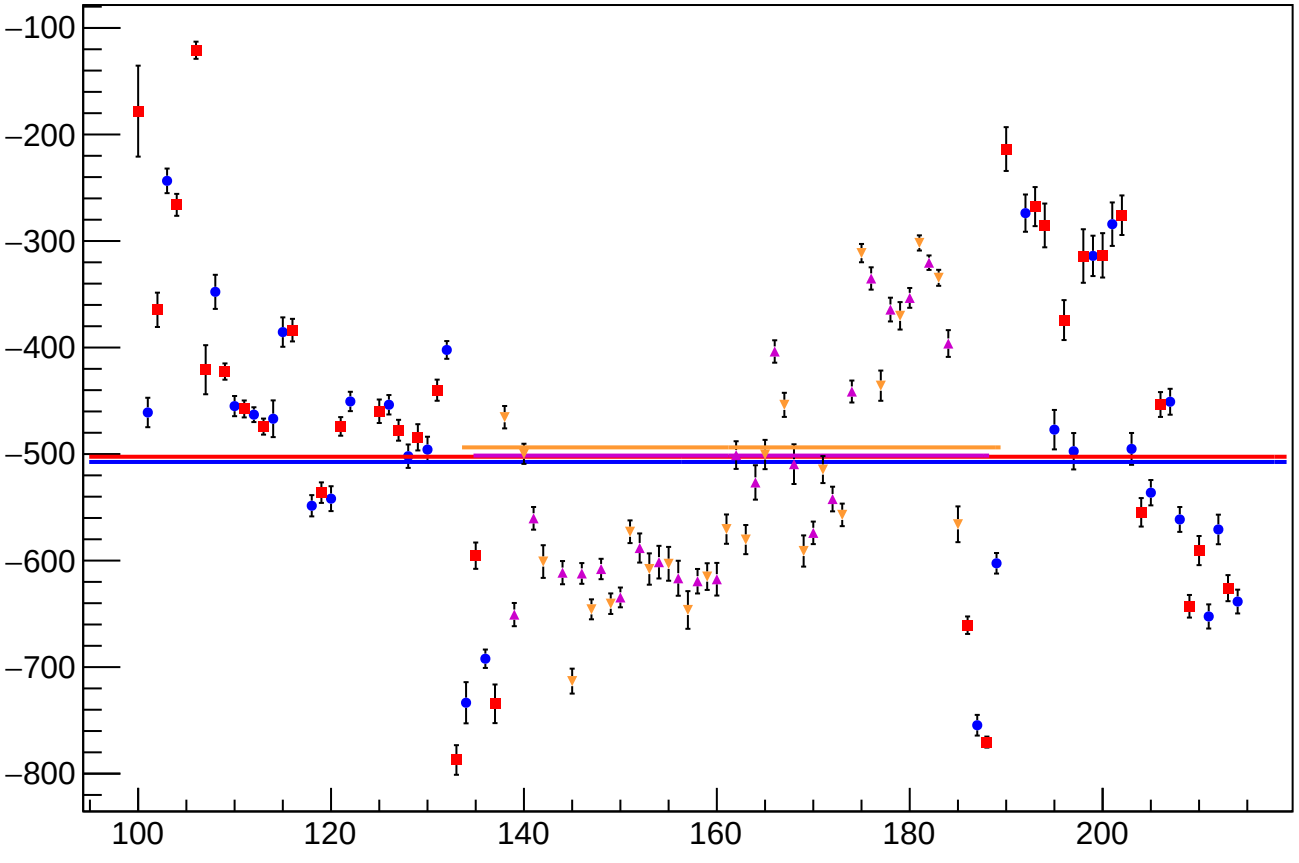
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.181+/-0.014 χ^2/NDF: 445306.9/53

All: -19.067+/-0.010 χ^2/NDF: 833108.5/108

- sign -18.954+/-0.013 χ^2/NDF: 387660.0/54

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -507.422+/-2.099 χ^2/NDF: 3164.0/29

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

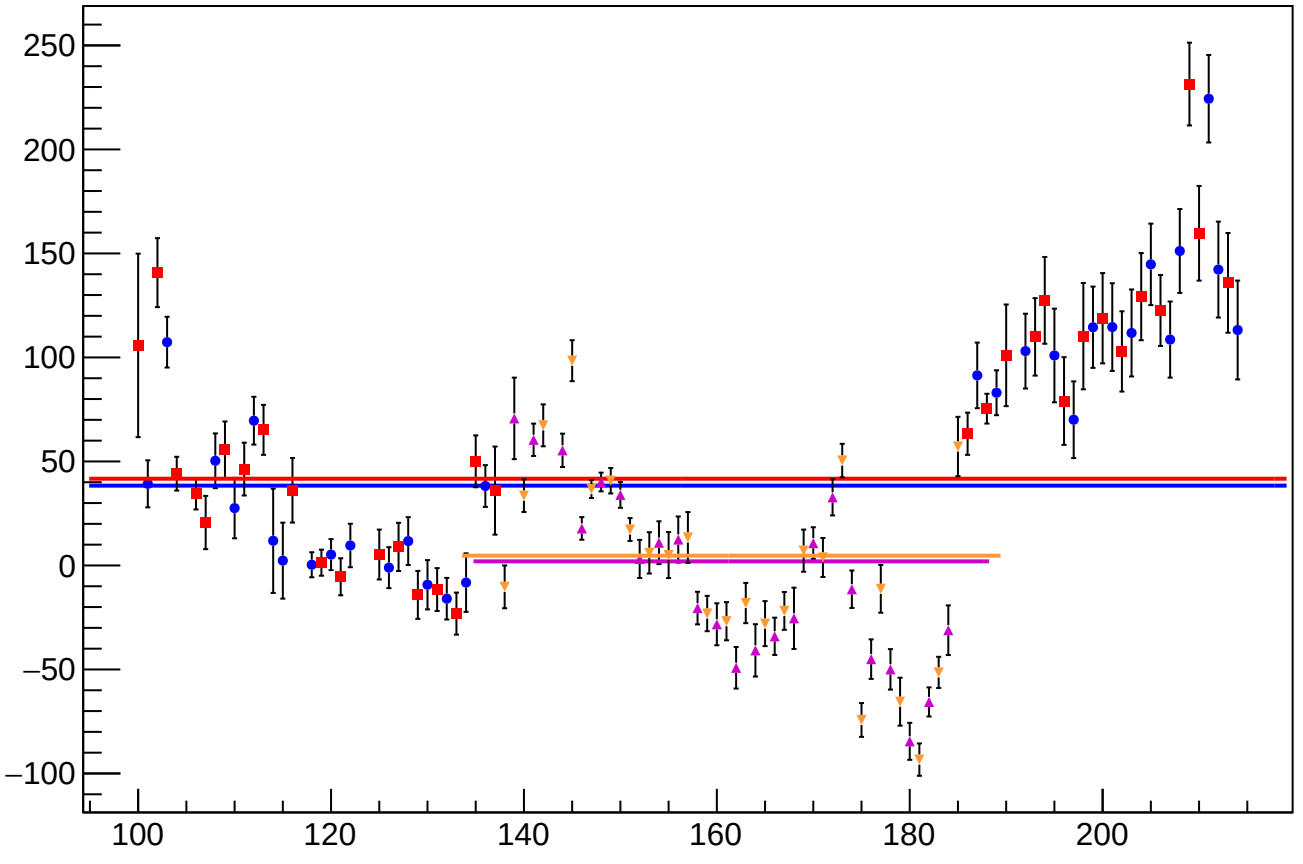
Right Out: -502.514+/-1.931 χ^2/NDF: 8146.4/31

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -501.182+/-1.549 χ^2/NDF: 6333.4/53

All: -501.644+/-1.070 χ^2/NDF: 17169.4/108

- sign -502.066+/-1.480 χ^2/NDF: 10835.8/54



Right In: 38.374+/-2.333 χ^2/NDF: 467.7/29

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 41.701+/-2.179 χ^2/NDF: 494.7/31

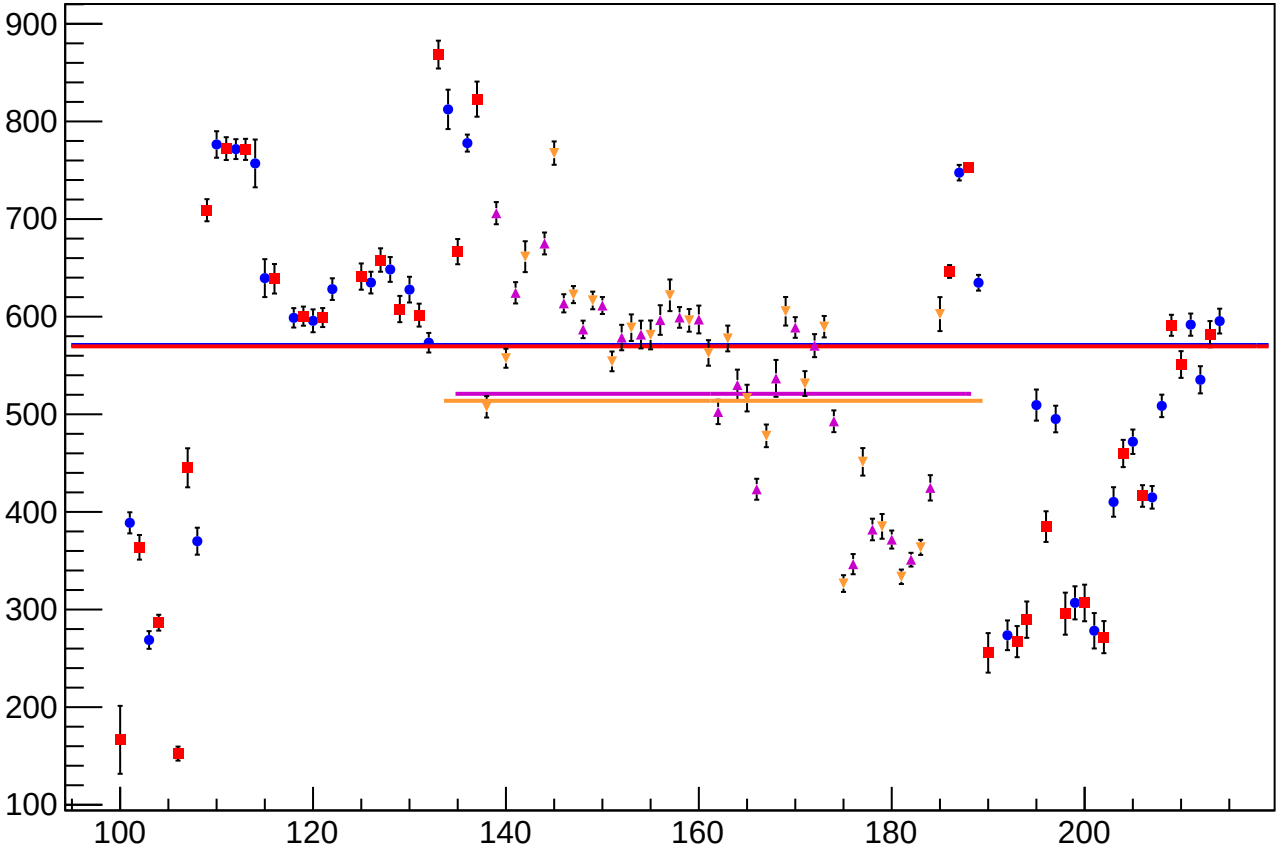
Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 16.343+/-1.372 χ^2/NDF: 1284.2/53

All: 16.800+/-0.963 χ^2/NDF: 2544.6/108

- sign 17.243+/-1.351 χ^2/NDF: 1260.2/54

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 571.023+/-2.168 χ^2/NDF: 5014.5/29

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

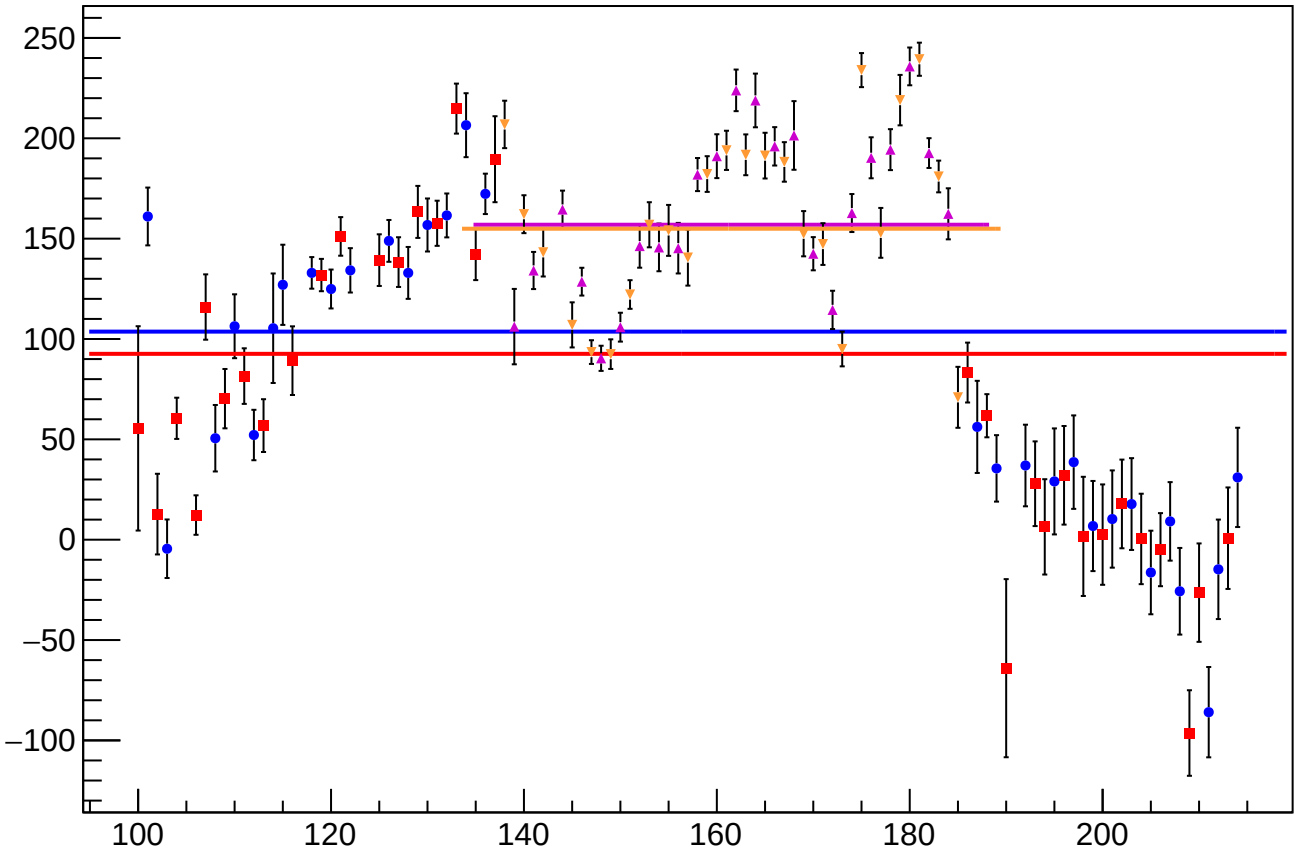
Right Out: 569.616+/-1.928 χ^2/NDF: 10673.7/31

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

\+ sign 543.822+/-1.570 χ^2/NDF: 8080.8/53

All: 546.774+/-1.074 χ^2/NDF: 21468.7/108

\- sign 549.373+/-1.473 χ^2/NDF: 13381.2/54



Right In: 103.678+/-2.727 χ^2/NDF: 572.3/29

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

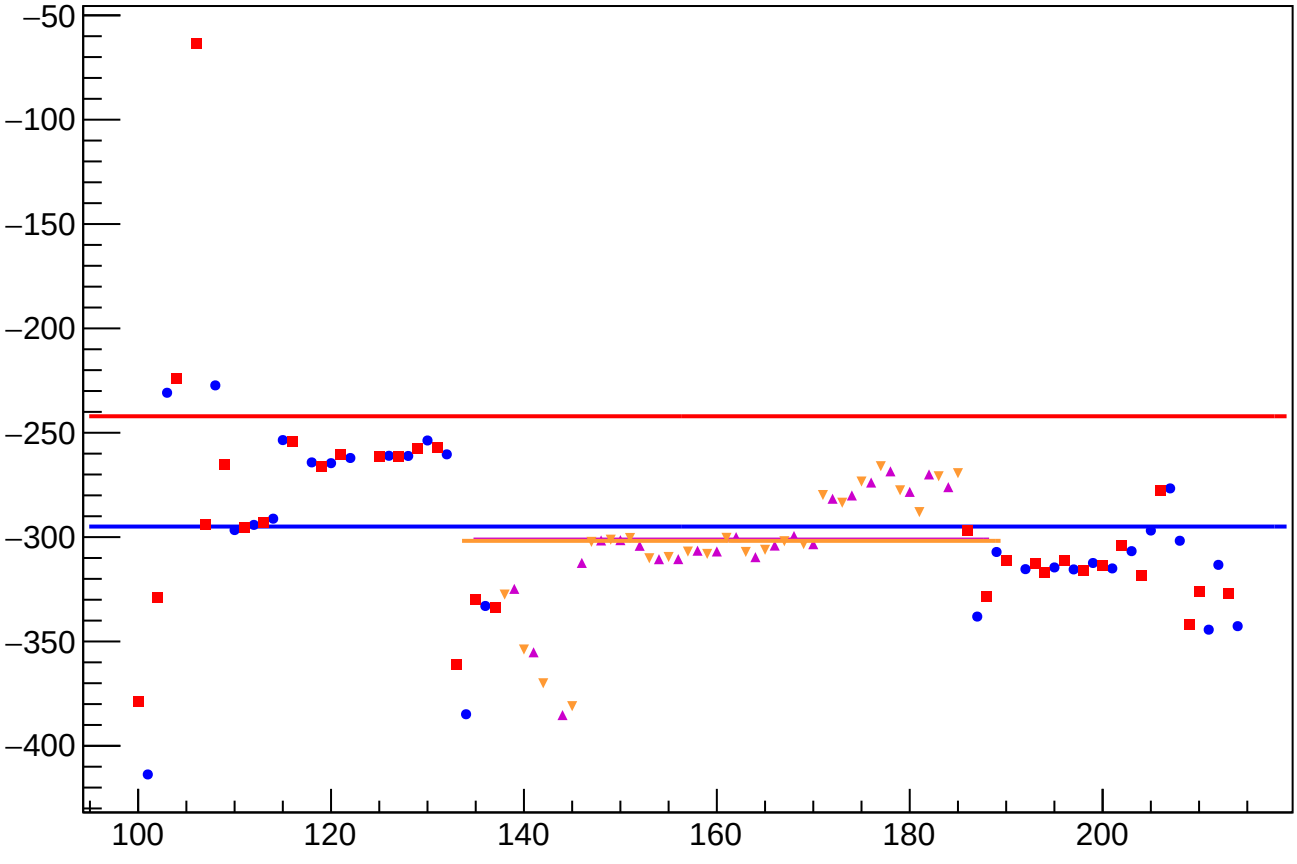
Right Out: 92.605+/-2.604 χ^2/NDF: 632.2/31

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 137.560+/-1.588 χ^2/NDF: 1414.9/53

All: 135.511+/-1.117 χ^2/NDF: 2881.5/108

- sign 133.504+/-1.572 χ^2/NDF: 1463.3/54



Right In: -294.939+/-0.139 χ^2/NDF: 117515.3/29

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -242.098+/-0.122 χ^2/NDF: 703918.0/31

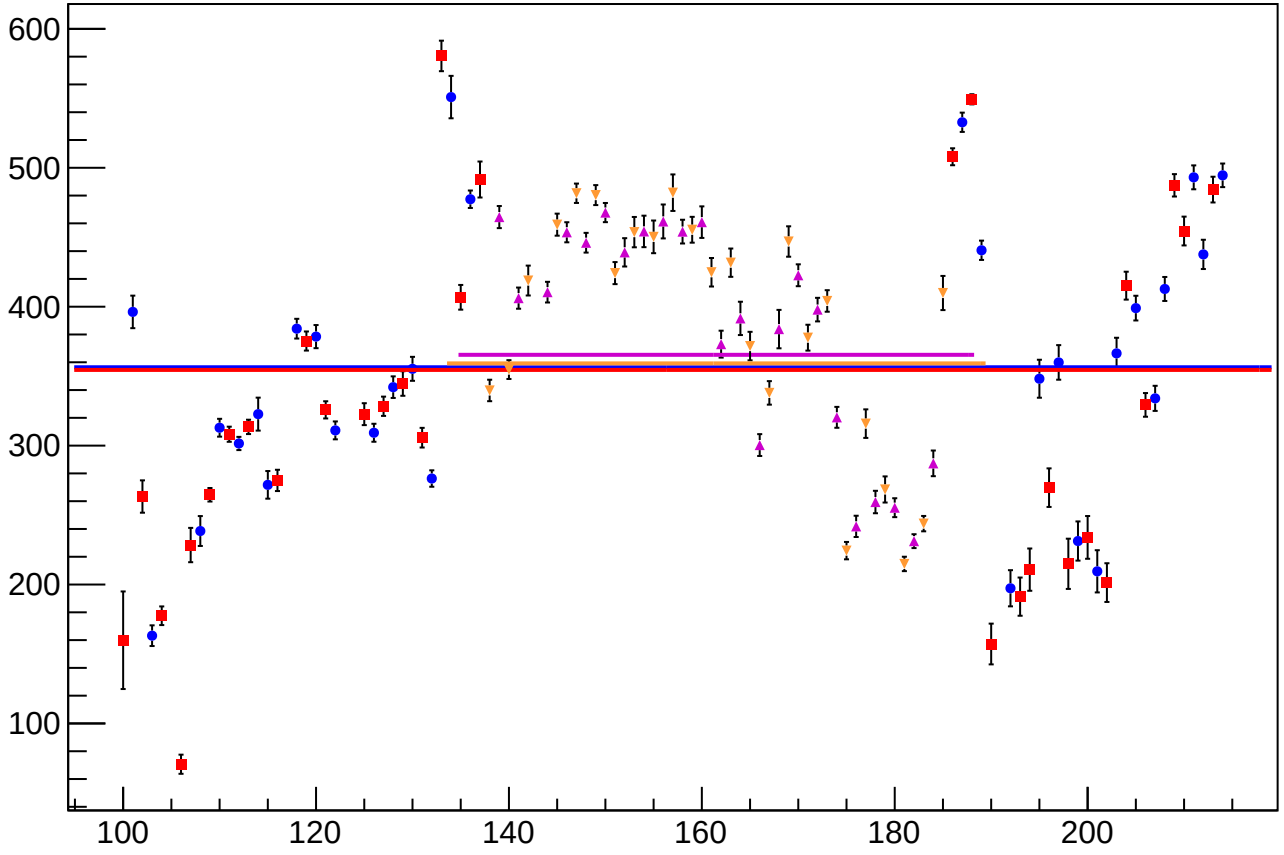
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.732+/-0.076 χ^2/NDF: 205940.2/53

All: -289.611+/-0.052 χ^2/NDF: 1170581.8/10

- sign -280.397+/-0.072 χ^2/NDF: 930728.5/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 356.401+/-1.505 χ^2/NDF: 3673.2/29

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

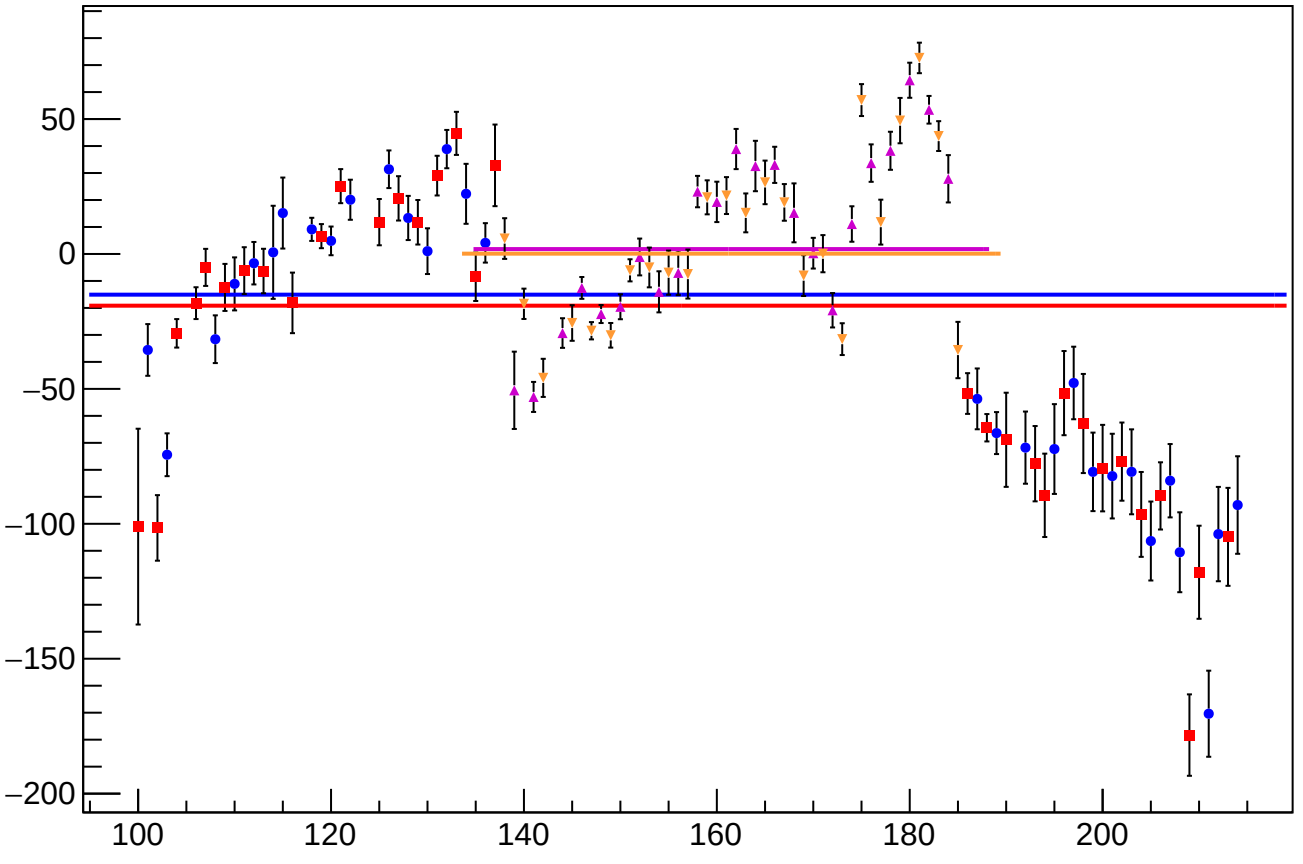
Right Out: 354.494+/-1.379 χ^2/NDF: 8632.2/31

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 357.641+/-1.122 χ^2/NDF: 6862.6/53

All: 358.263+/-0.774 χ^2/NDF: 18259.6/108

- sign 358.829+/-1.069 χ^2/NDF: 11396.5/54



Right In: -15.082+/-1.676 χ^2/NDF: 669.3/29

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

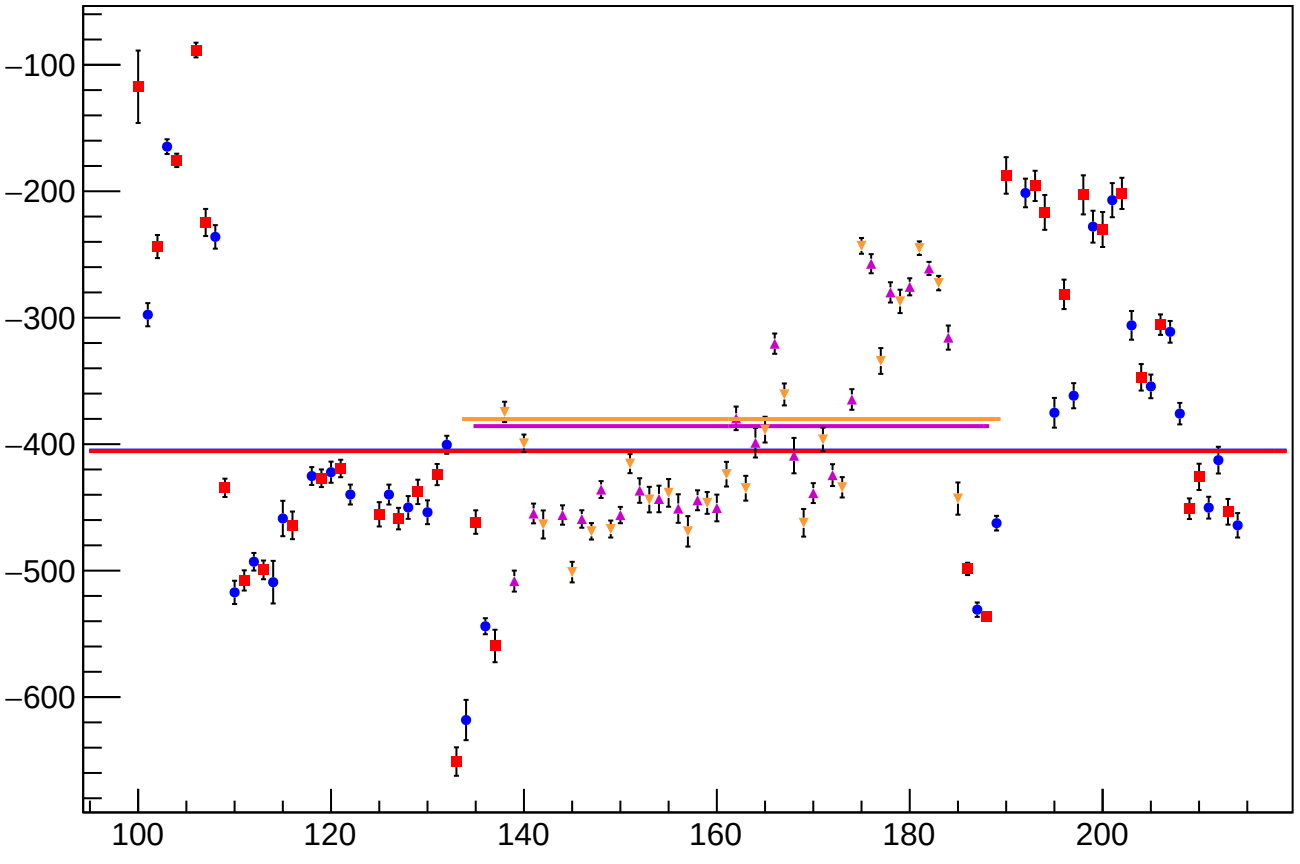
Right Out: -19.165+/-1.547 χ^2/NDF: 724.6/31

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -5.302+/-1.000 χ^2/NDF: 1360.2/53

All: -5.968+/-0.700 χ^2/NDF: 2772.7/108

\- sign -6.607+/-0.980 χ^2/NDF: 1411.7/54



Right In: -405.073+/-1.562 χ^2/NDF: 4931.5/29

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.534+/-1.384 χ^2/NDF: 10714.7/31

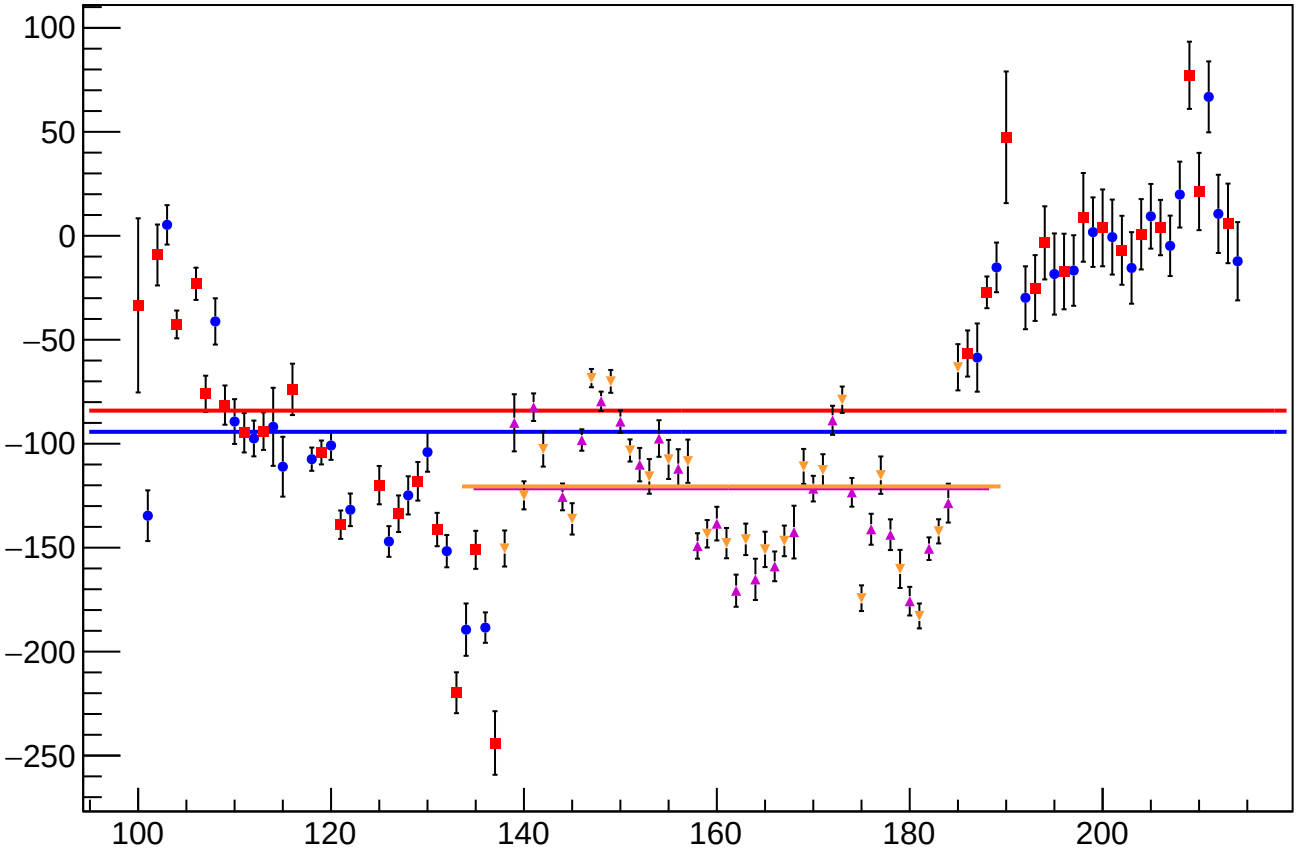
Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -393.436+/-1.141 χ^2/NDF: 7669.0/53

All: -395.609+/-0.779 χ^2/NDF: 20834.7/108

- sign -397.511+/-1.067 χ^2/NDF: 13158.9/54

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -94.282+/-1.958 χ^2/NDF: 972.2/29

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

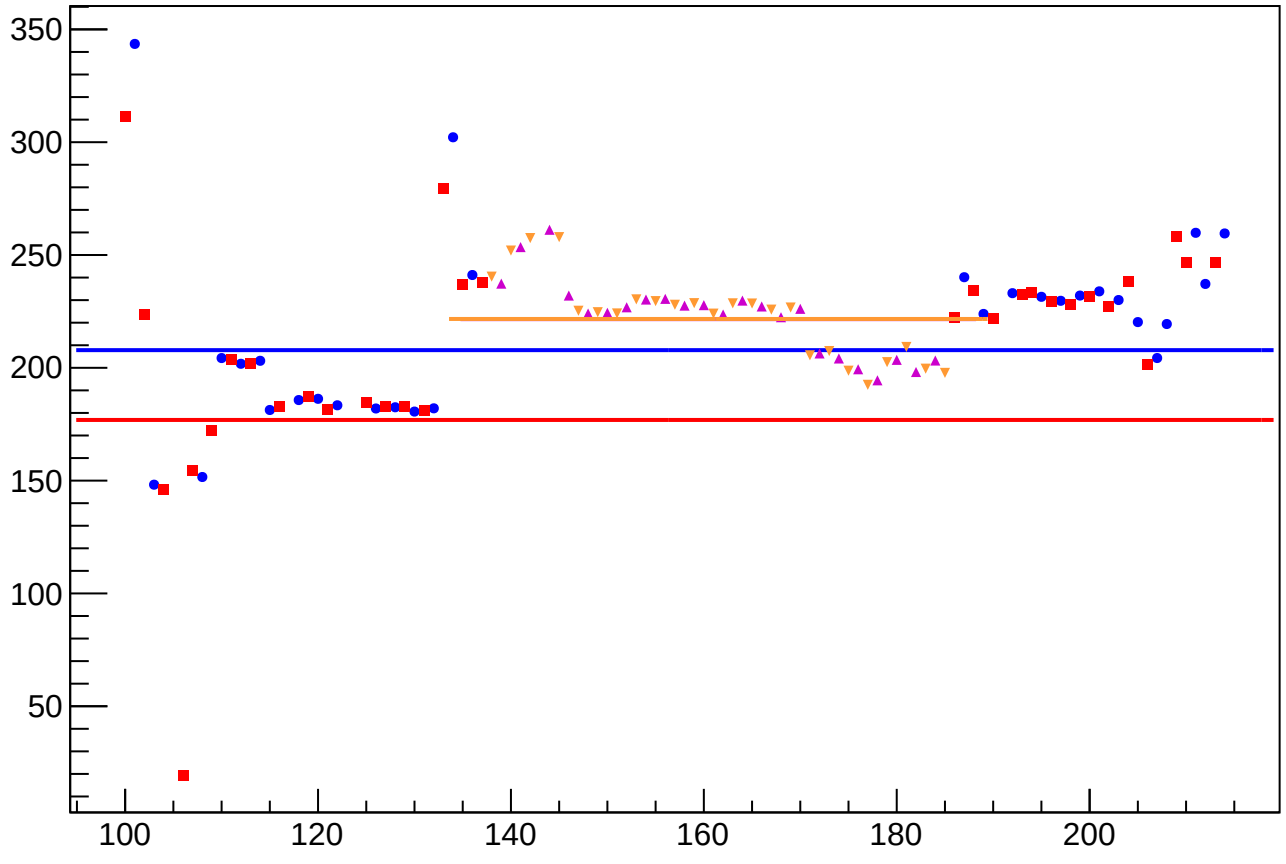
Right Out: -84.082+/-1.848 χ^2/NDF: 1086.5/31

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -111.363+/-1.158 χ^2/NDF: 1700.7/53

All: -109.261+/-0.813 χ^2/NDF: 3479.5/108

- sign -107.220+/-1.141 χ^2/NDF: 1772.3/54



Right In: 207.832+/-0.099 χ^2/NDF: 209906.4/29

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

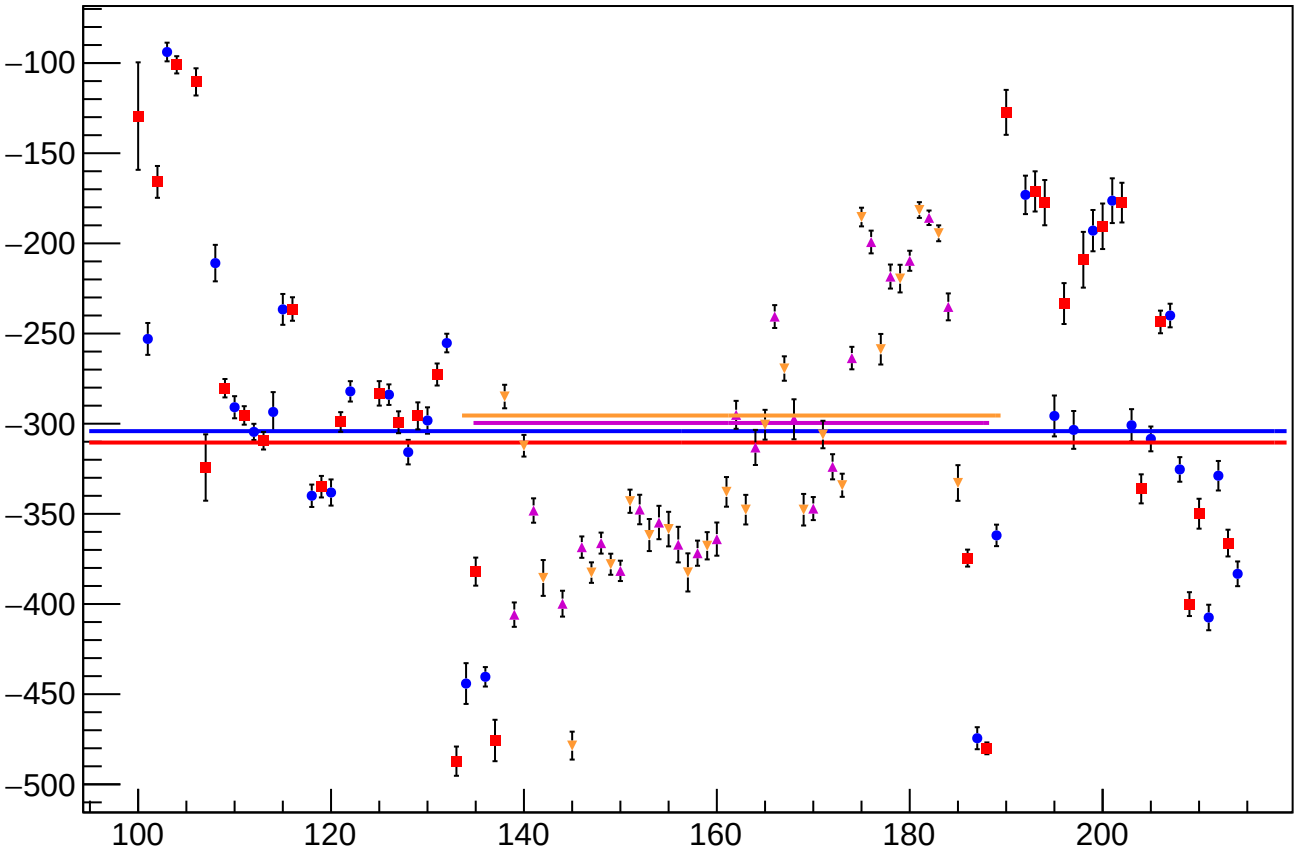
Right Out: 176.892+/-0.090 χ^2/NDF: 674775.5/31

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.364+/-0.055 χ^2/NDF: 290447.5/53

All: 211.461+/-0.038 χ^2/NDF: 1208330.6/108

- sign 205.969+/-0.053 χ^2/NDF: 895945.8/54



Right In: -304.130+/-1.276 χ^2/NDF: 4489.0/29

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -310.457+/-1.198 χ^2/NDF: 8008.6/31

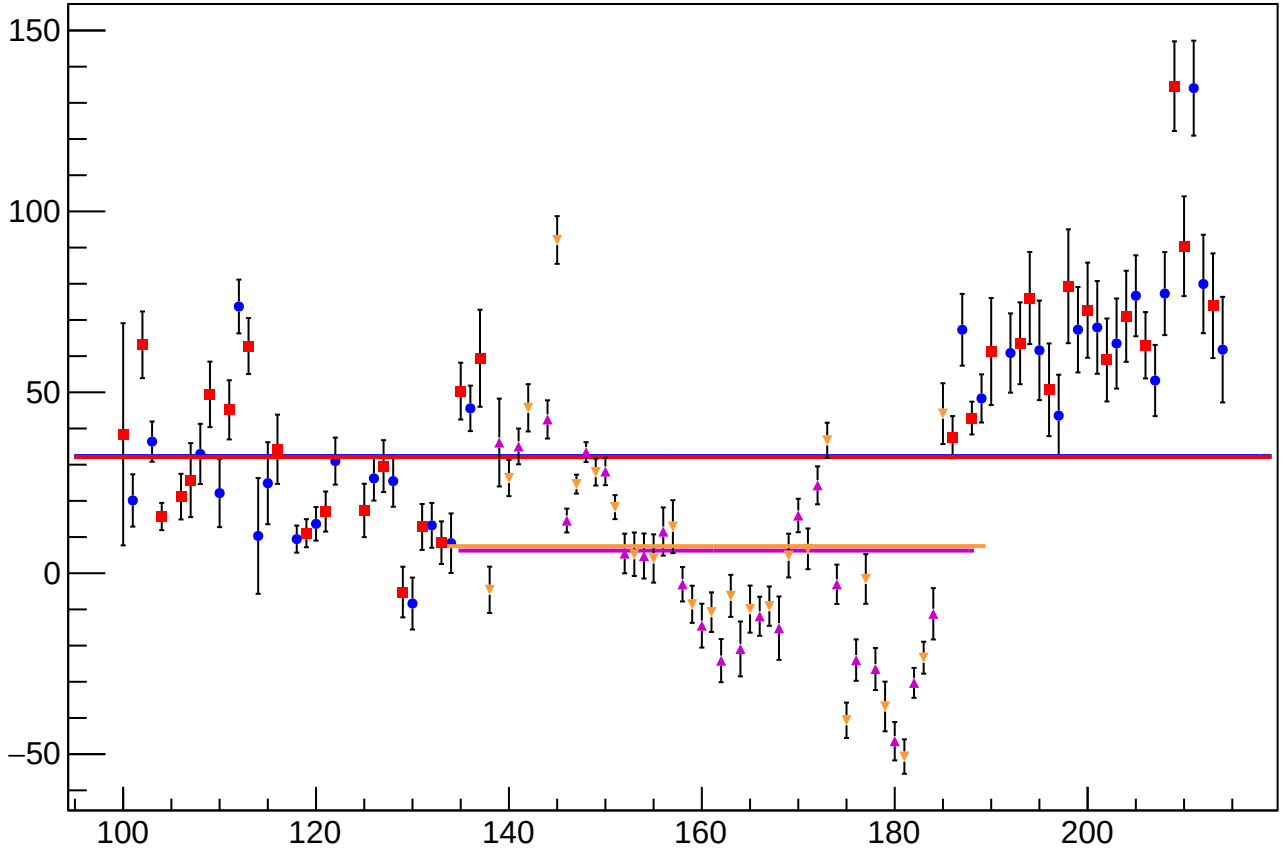
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

\+ sign -300.177+/-0.941 χ^2/NDF: 7856.4/53

All: -303.111+/-0.654 χ^2/NDF: 18890.4/108

\- sign -305.852+/-0.909 χ^2/NDF: 11015.2/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 32.368+/-1.419 χ^2/NDF: 313.6/29

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.109+/-1.335 χ^2/NDF: 332.0/31

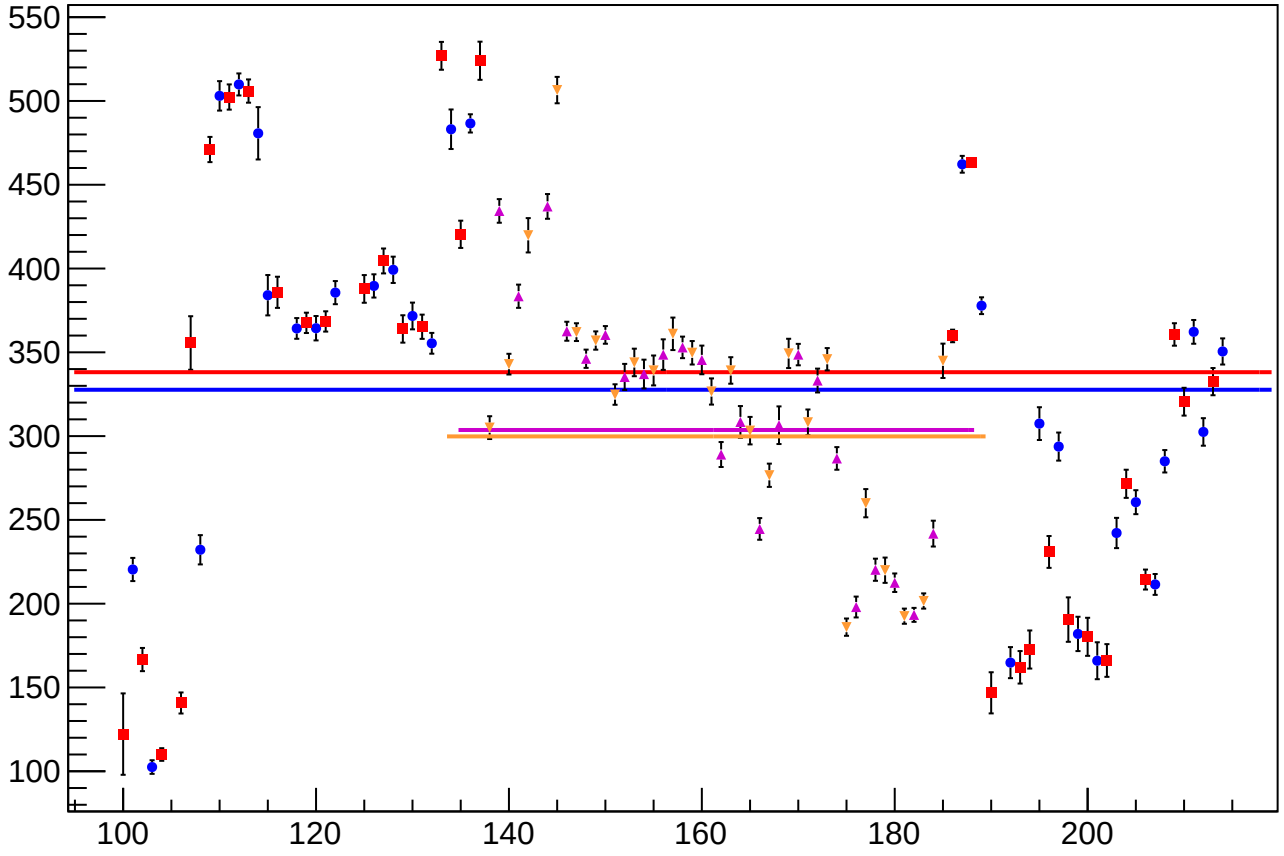
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.064+/-0.833 χ^2/NDF: 1253.4/53

All: 16.071+/-0.586 χ^2/NDF: 2377.2/108

\- sign 16.078+/-0.823 χ^2/NDF: 1123.8/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 327.663+/-1.300 χ^2/NDF: 8257.4/29

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 338.144+/-1.180 χ^2/NDF: 12157.2/31

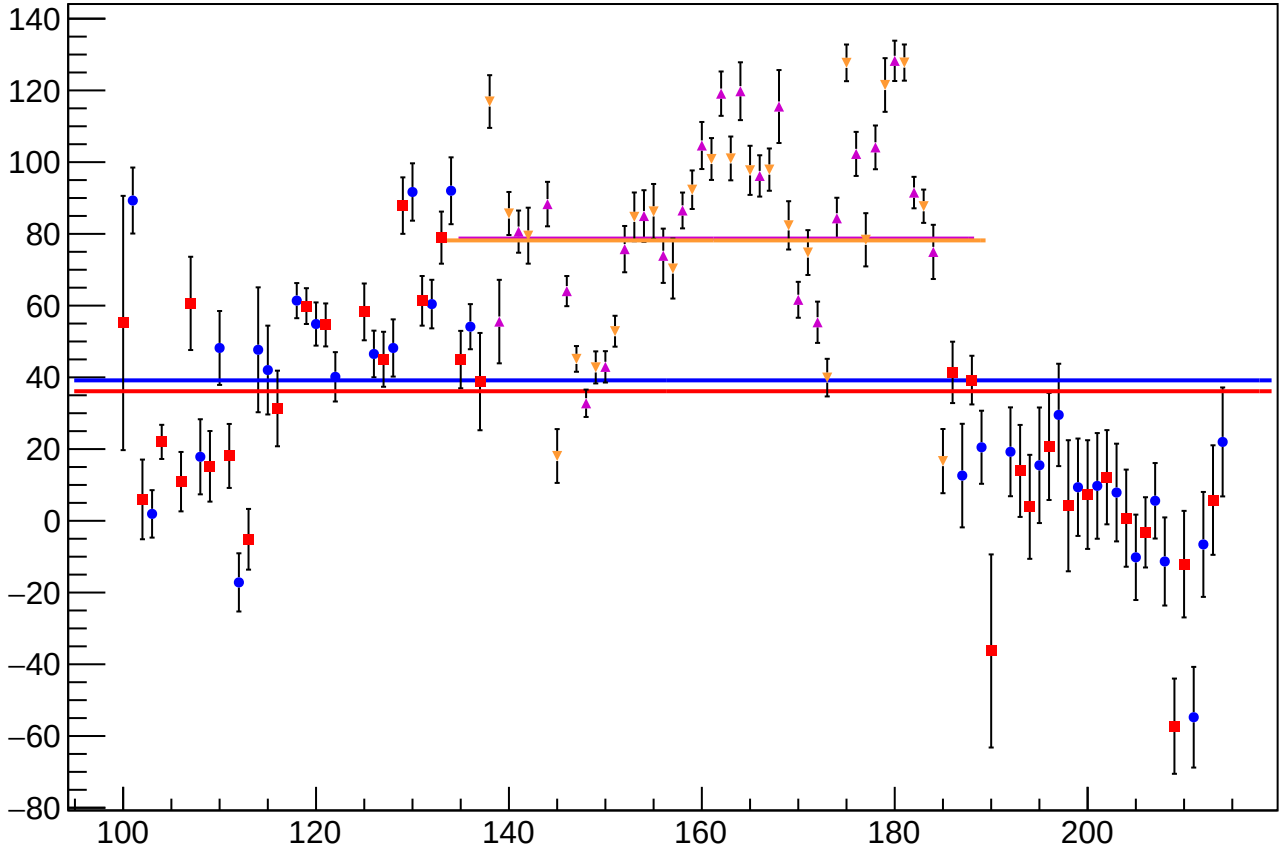
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

\+ sign 314.589+/-0.946 χ^2/NDF: 11549.0/53

All: 319.334+/-0.651 χ^2/NDF: 26986.6/108

\- sign 323.603+/-0.898 χ^2/NDF: 15389.8/54

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 39.160+/-1.657 χ^2/NDF: 361.7/29

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

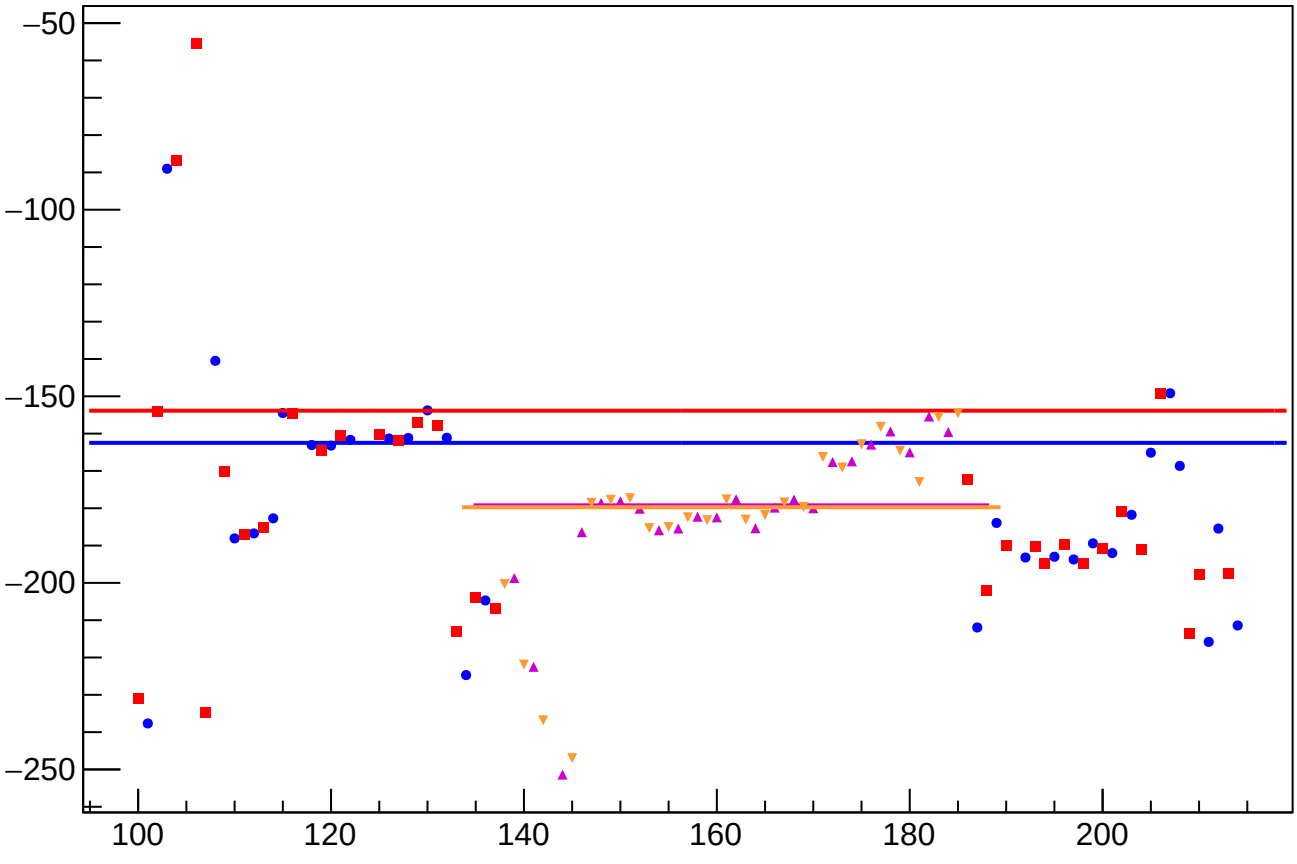
Right Out: 36.128+/-1.595 χ^2/NDF: 309.5/31

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 64.986+/-0.964 χ^2/NDF: 1392.0/53

All: 64.183+/-0.679 χ^2/NDF: 2647.4/108

- sign 63.393+/-0.956 χ^2/NDF: 1254.1/54



Right In: -162.472+/-0.080 χ^2/NDF: 316490.9/29

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

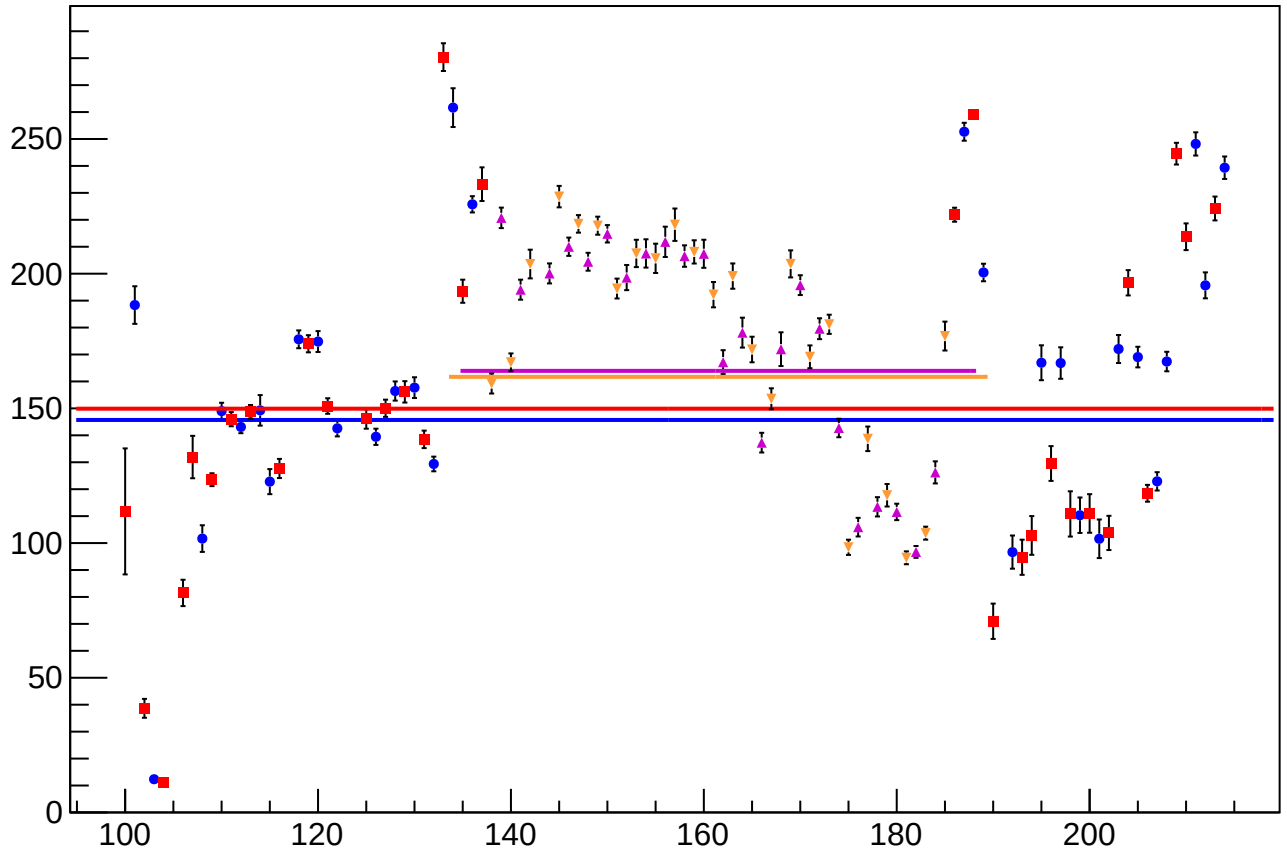
Right Out: -153.855+/-0.077 χ^2/NDF: 435623.4/31

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.206+/-0.045 χ^2/NDF: 480269.1/53

All: -172.476+/-0.032 χ^2/NDF: 1104099.1/10

- sign -170.804+/-0.045 χ^2/NDF: 620966.5/54



Right In: 145.702+/-0.667 χ^2/NDF: 9481.9/29

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

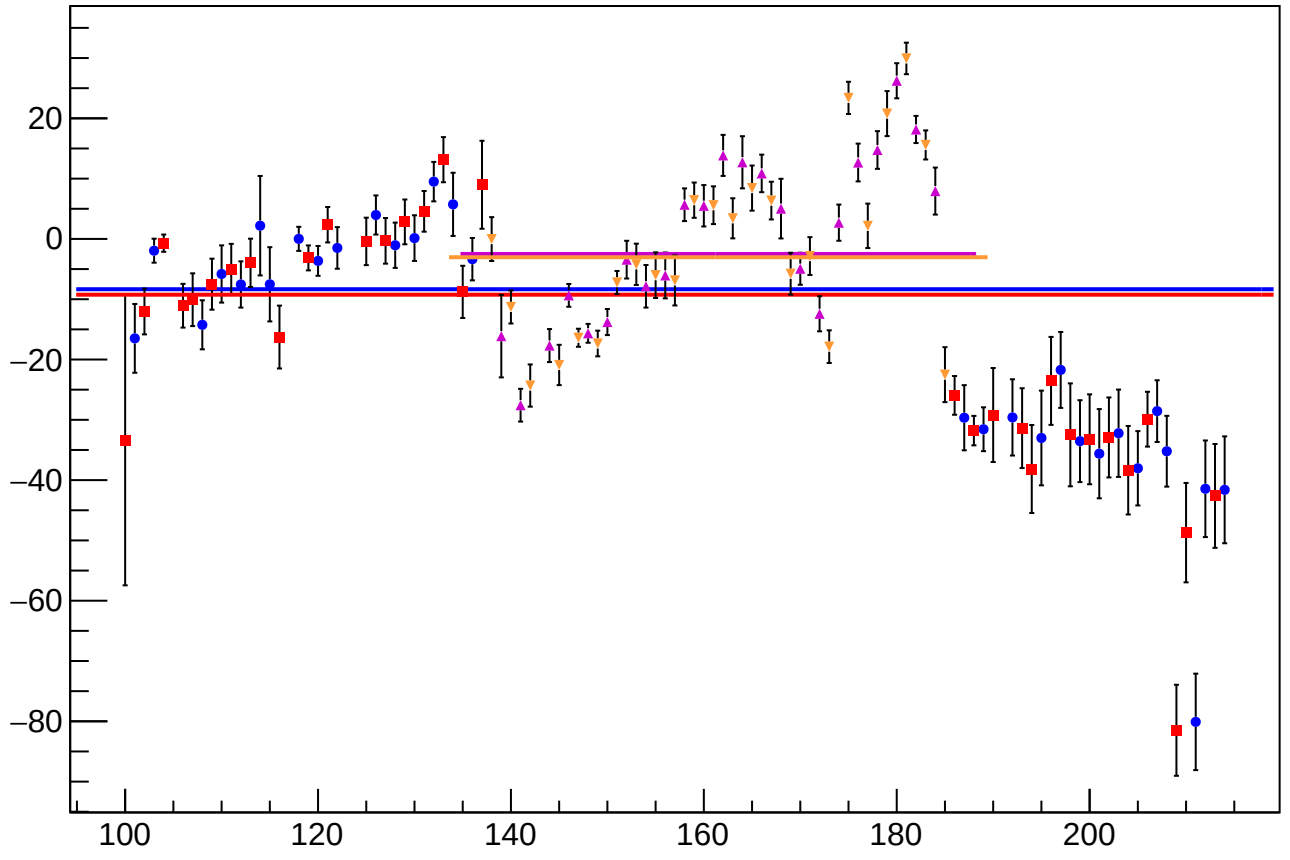
Right Out: 149.889+/-0.622 χ^2/NDF: 14348.6/31

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 152.497+/-0.506 χ^2/NDF: 13313.9/53

All: 153.979+/-0.350 χ^2/NDF: 31212.9/108

- sign 155.347+/-0.486 χ^2/NDF: 17882.5/54



Right In: -8.341+/-0.742 χ^2/NDF: 395.2/29

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

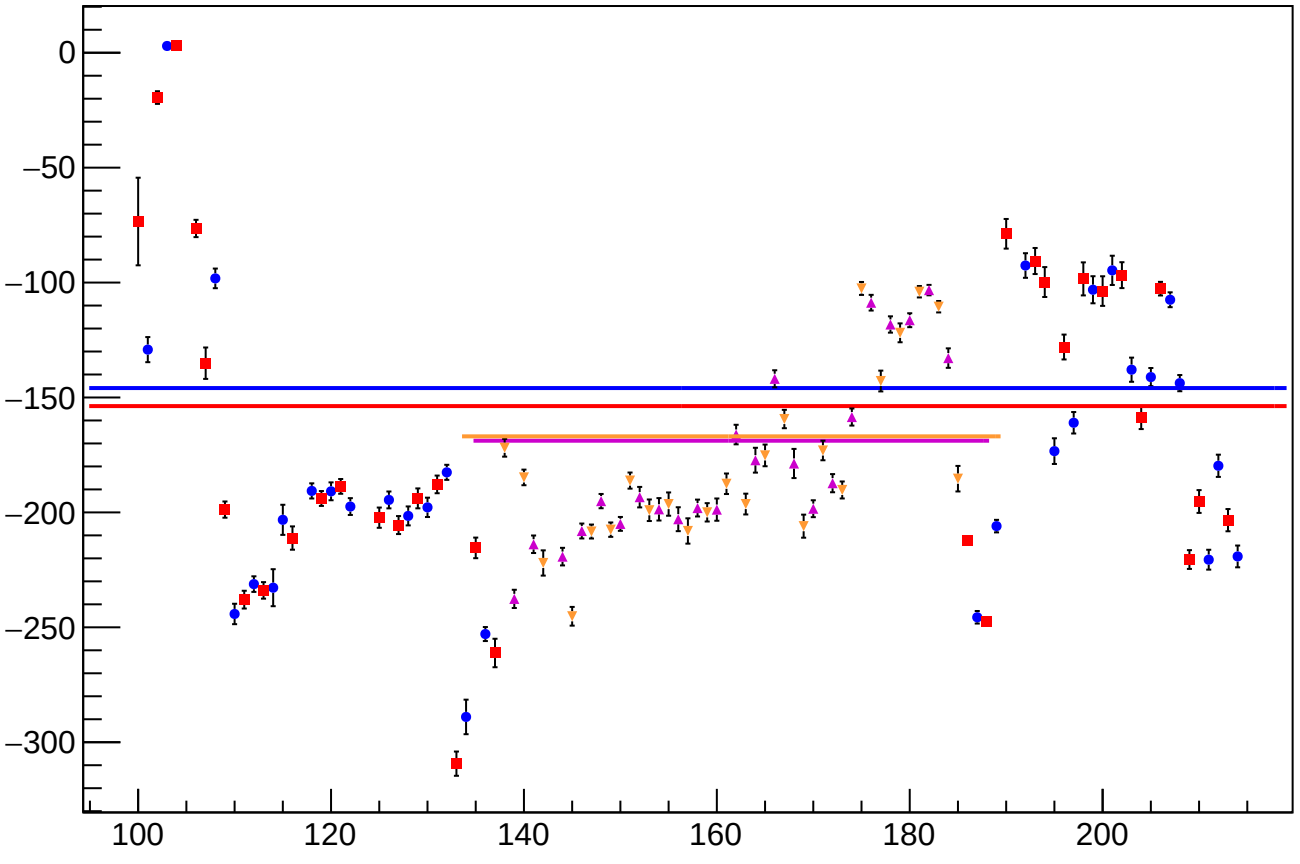
Right Out: -9.248+/-0.675 χ^2/NDF: 492.4/31

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

\+ sign -5.041+/-0.456 χ^2/NDF: 1081.5/53

All: -5.226+/-0.318 χ^2/NDF: 2194.2/108

\- sign -5.400+/-0.443 χ^2/NDF: 1112.3/54



Right In: -145.899+/-0.667 χ^2/NDF: 17863.0/29

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

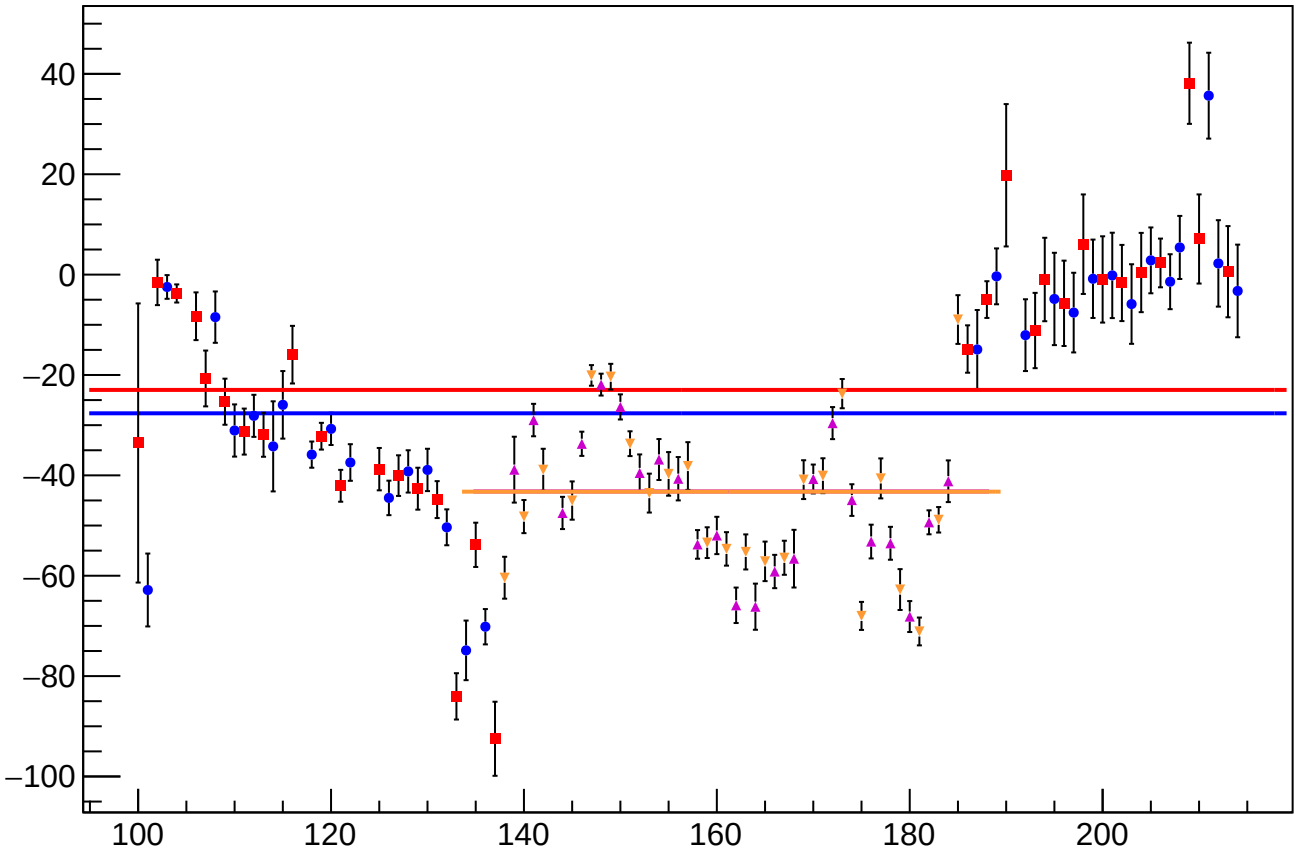
Right Out: -153.748+/-0.605 χ^2/NDF: 24489.2/31

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.896+/-0.504 χ^2/NDF: 21384.2/53

All: -157.316+/-0.346 χ^2/NDF: 49212.1/108

- sign -159.474+/-0.476 χ^2/NDF: 27784.4/54



Right In: -27.635+/-0.867 χ^2/NDF: 678.3/29

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

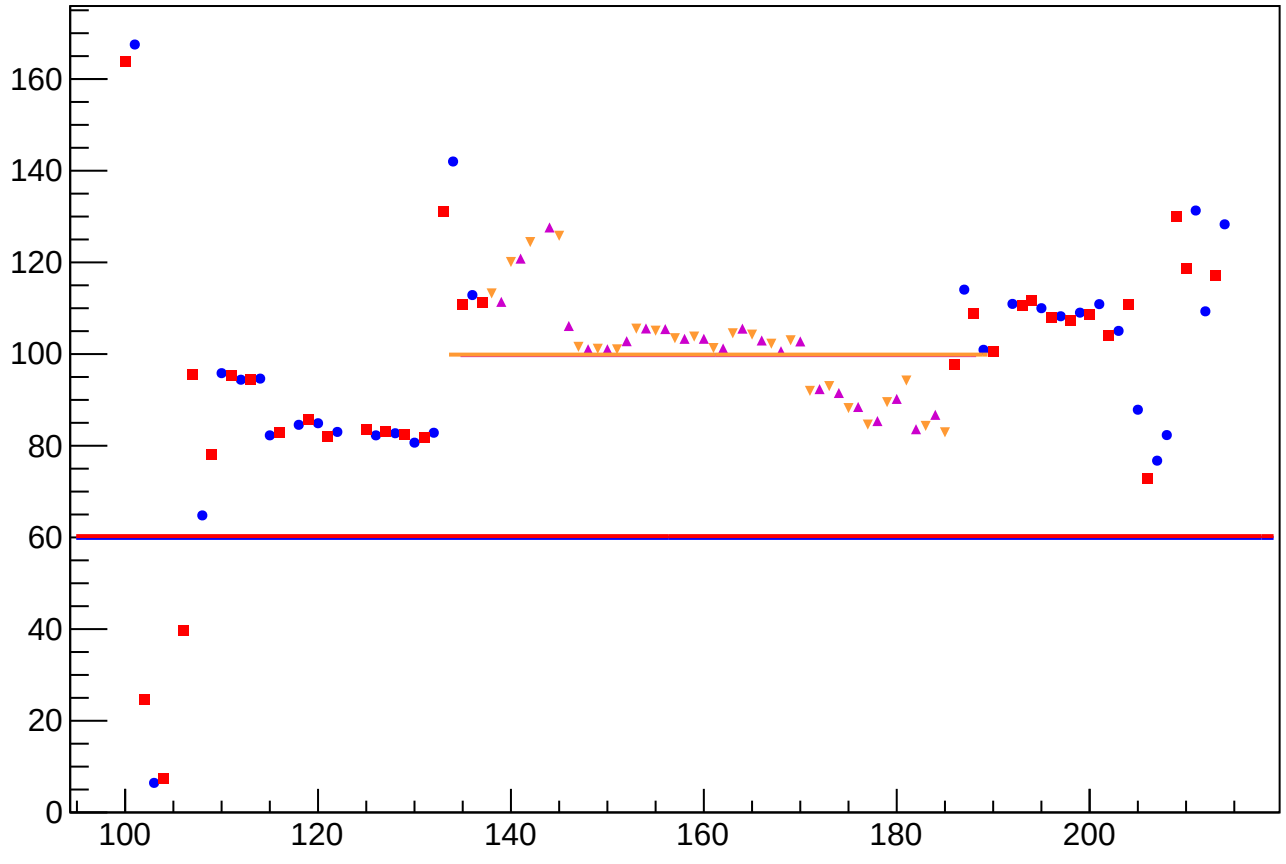
Right Out: -22.976+/-0.809 χ^2/NDF: 789.1/31

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -37.478+/-0.527 χ^2/NDF: 1492.9/53

All: -36.204+/-0.369 χ^2/NDF: 3069.9/108

- sign -34.982+/-0.516 χ^2/NDF: 1565.6/54



Right In: 59.899+/-0.038 χ^2/NDF: 1569628.9/29

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 60.284+/-0.038 χ^2/NDF: 1361331.4/31

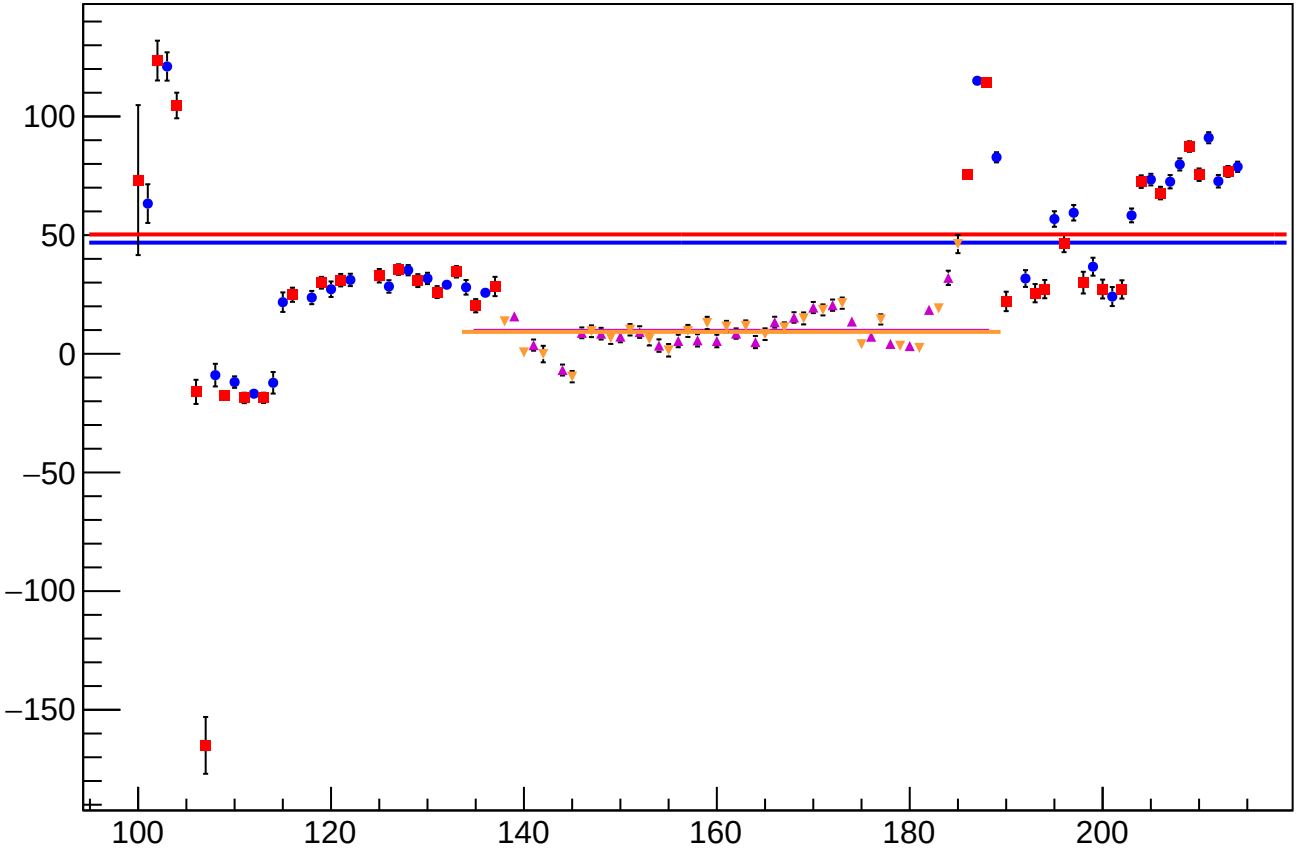
Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.235+/-0.024 χ^2/NDF: 2354043.4/53

All: 84.279+/-0.017 χ^2/NDF: 4482259.2/108

- sign 84.323+/-0.024 χ^2/NDF: 2128208.9/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 46.839+/-0.494 χ^2/NDF: 5159.4/29

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

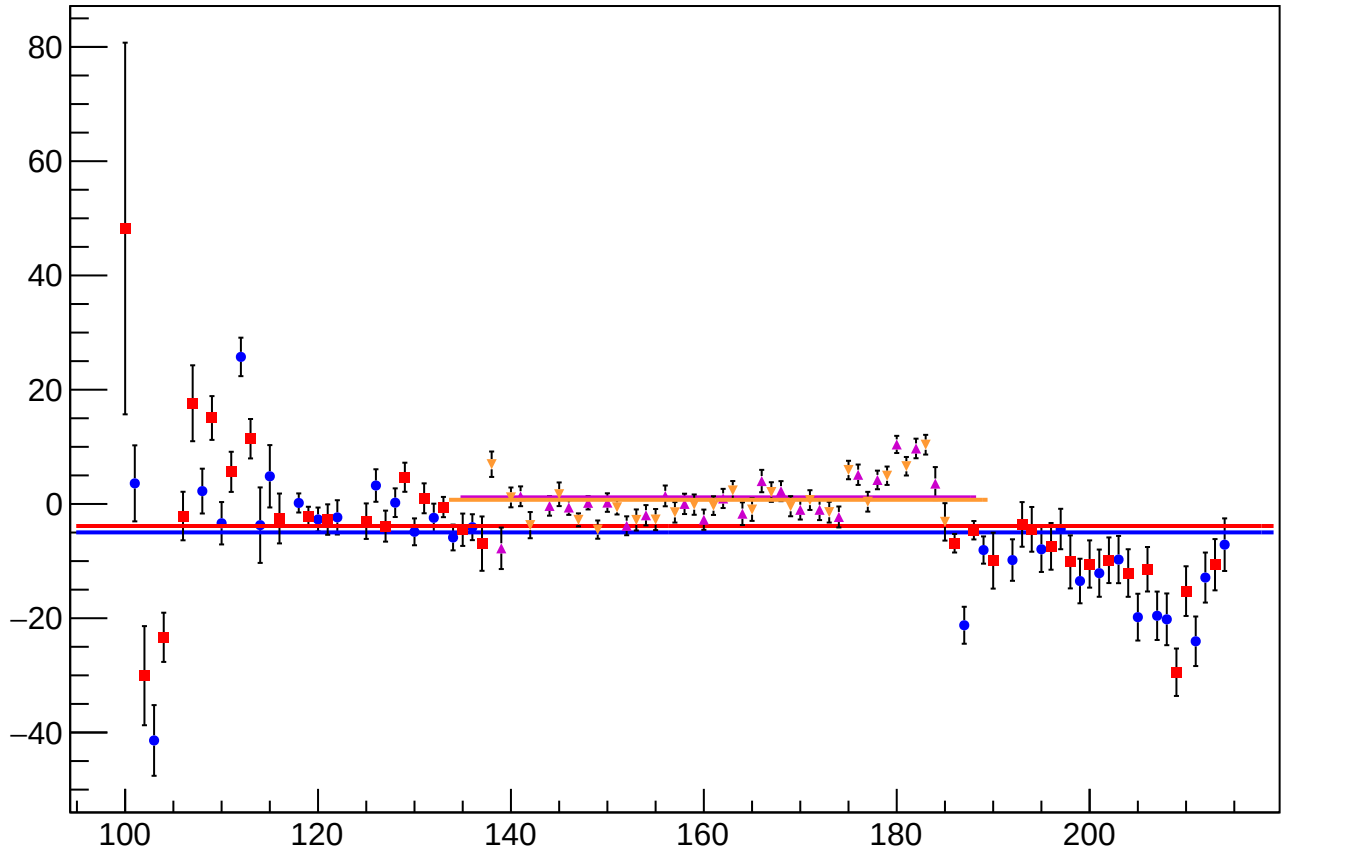
Right Out: 50.297+/-0.460 χ^2/NDF: 8573.6/31

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 26.536+/-0.335 χ^2/NDF: 8611.6/53

All: 28.369+/-0.234 χ^2/NDF: 21371.0/108

- sign 30.101+/-0.326 χ^2/NDF: 12701.2/54



Right In: -4.976+/-0.574 χ^2/NDF: 249.2/29

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.856+/-0.541 χ^2/NDF: 181.6/31

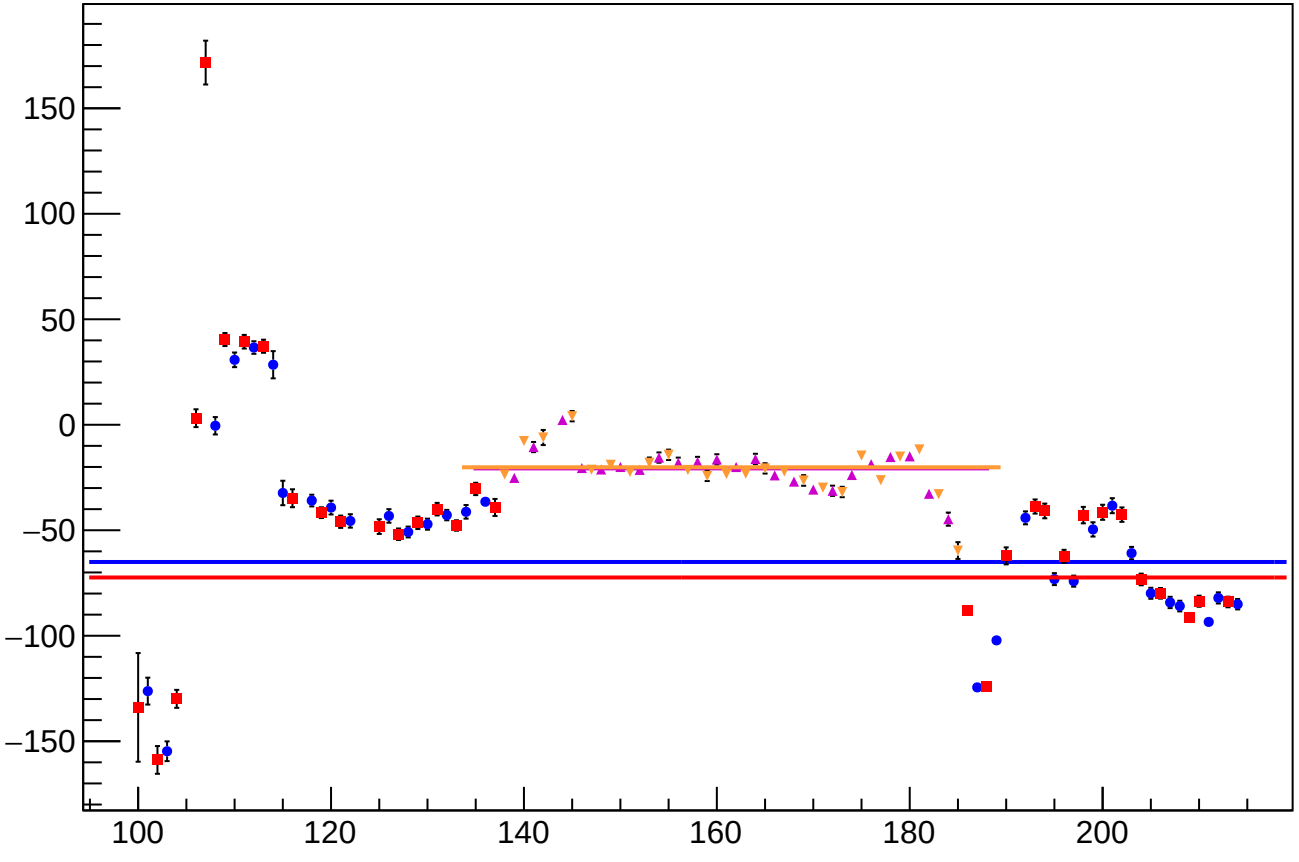
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.813+/-0.298 χ^2/NDF: 431.1/53

All: -0.590+/-0.211 χ^2/NDF: 783.9/108

\- sign -0.366+/-0.298 χ^2/NDF: 351.7/54

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -65.038+/-0.507 χ^2/NDF: 5871.7/29

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

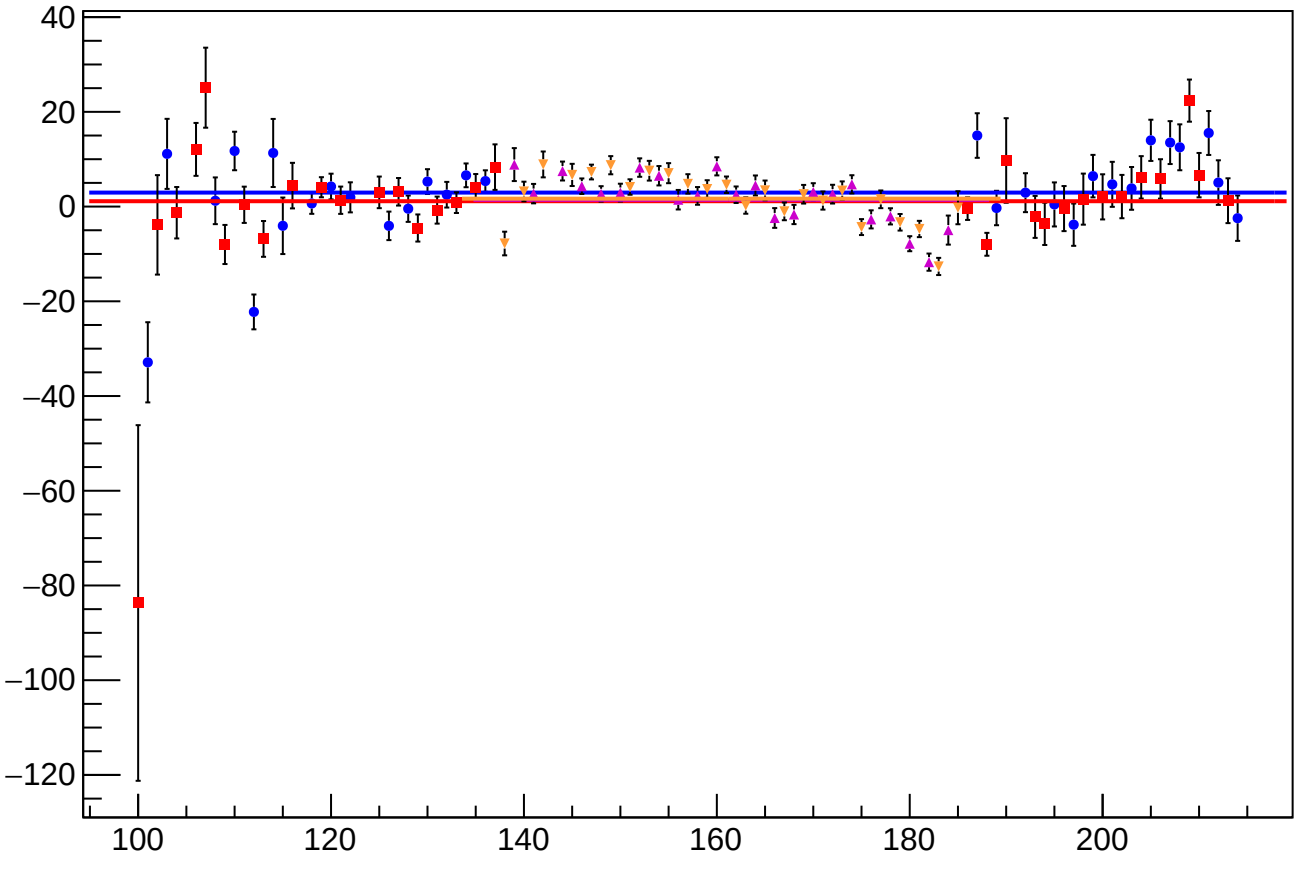
Right Out: -72.383+/-0.449 χ^2/NDF: 9781.7/31

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -40.070+/-0.337 χ^2/NDF: 10660.0/53

All: -43.725+/-0.232 χ^2/NDF: 27477.9/108

\- sign -47.023+/-0.321 χ^2/NDF: 16594.8/54



Right In: 2.953+/-0.663 χ^2/NDF: 121.4/29

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

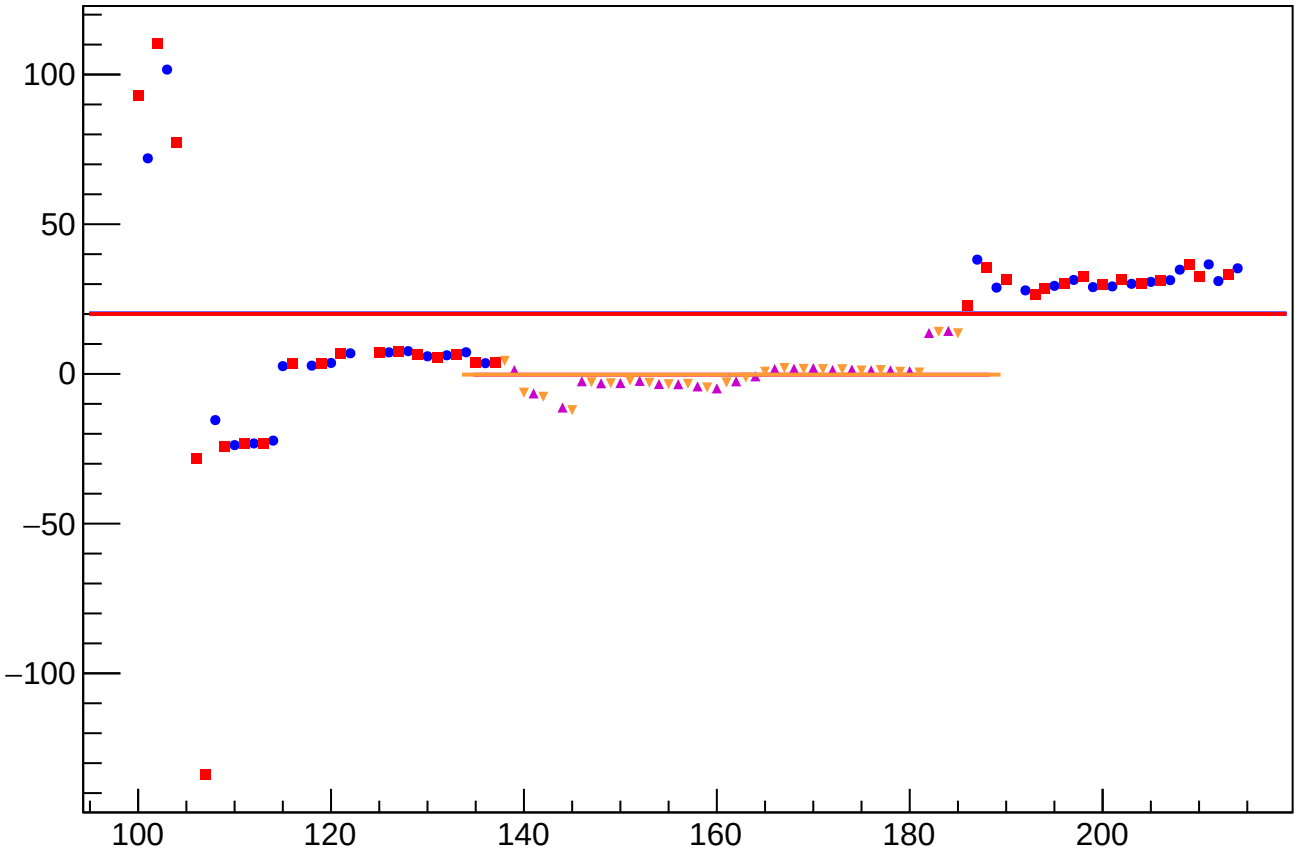
Right Out: 1.131+/-0.648 χ^2/NDF: 81.8/31

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 2.006+/-0.339 χ^2/NDF: 302.1/53

All: 1.678+/-0.241 χ^2/NDF: 548.7/108

- sign 1.345+/-0.342 χ^2/NDF: 244.7/54



Right In: 20.198+/-0.033 χ^2/NDF: 432526.9/29

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

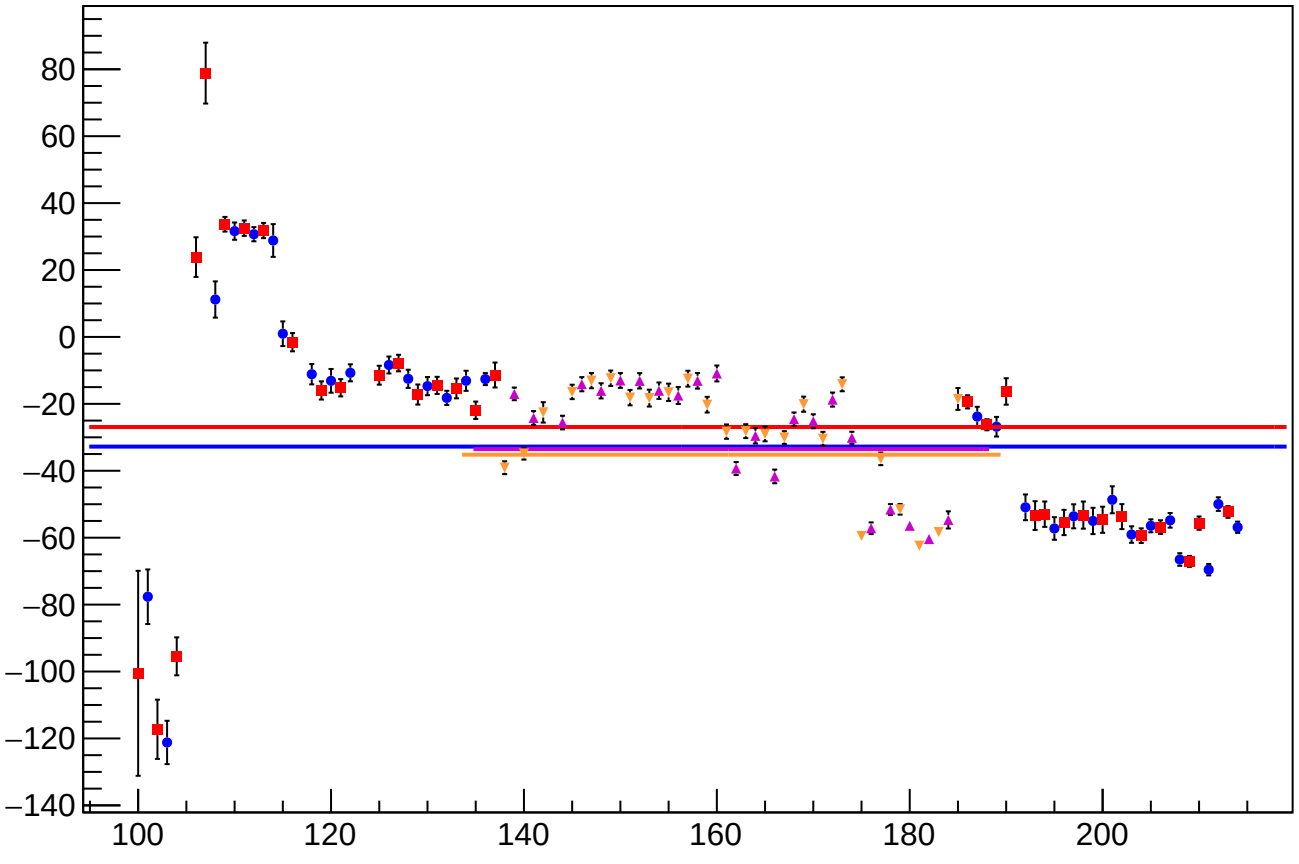
Right Out: 20.038+/-0.033 χ^2/NDF: 602528.9/31

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.319+/-0.016 χ^2/NDF: 812166.2/53

All: 4.303+/-0.011 χ^2/NDF: 1781617.1/108

- sign 4.287+/-0.016 χ^2/NDF: 969448.9/54



Right In: -32.776+/-0.475 χ^2/NDF: 4202.2/29

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

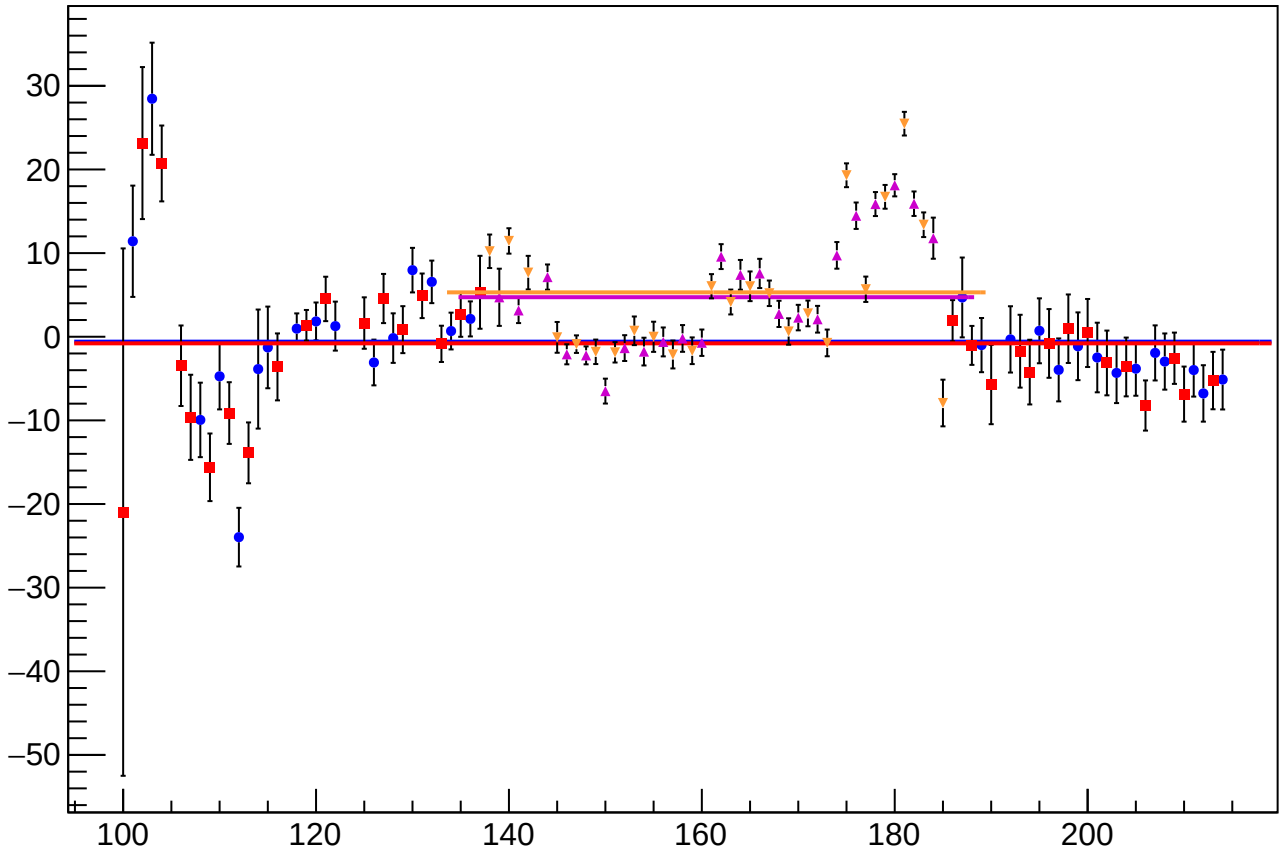
Right Out: -26.916+/-0.474 χ^2/NDF: 4603.5/31

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -34.172+/-0.310 χ^2/NDF: 6067.9/53

All: -32.429+/-0.220 χ^2/NDF: 12651.8/108

- sign -30.666+/-0.312 χ^2/NDF: 6520.2/54



Right In: -0.588+/-0.580 χ^2/NDF: 106.8/29

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

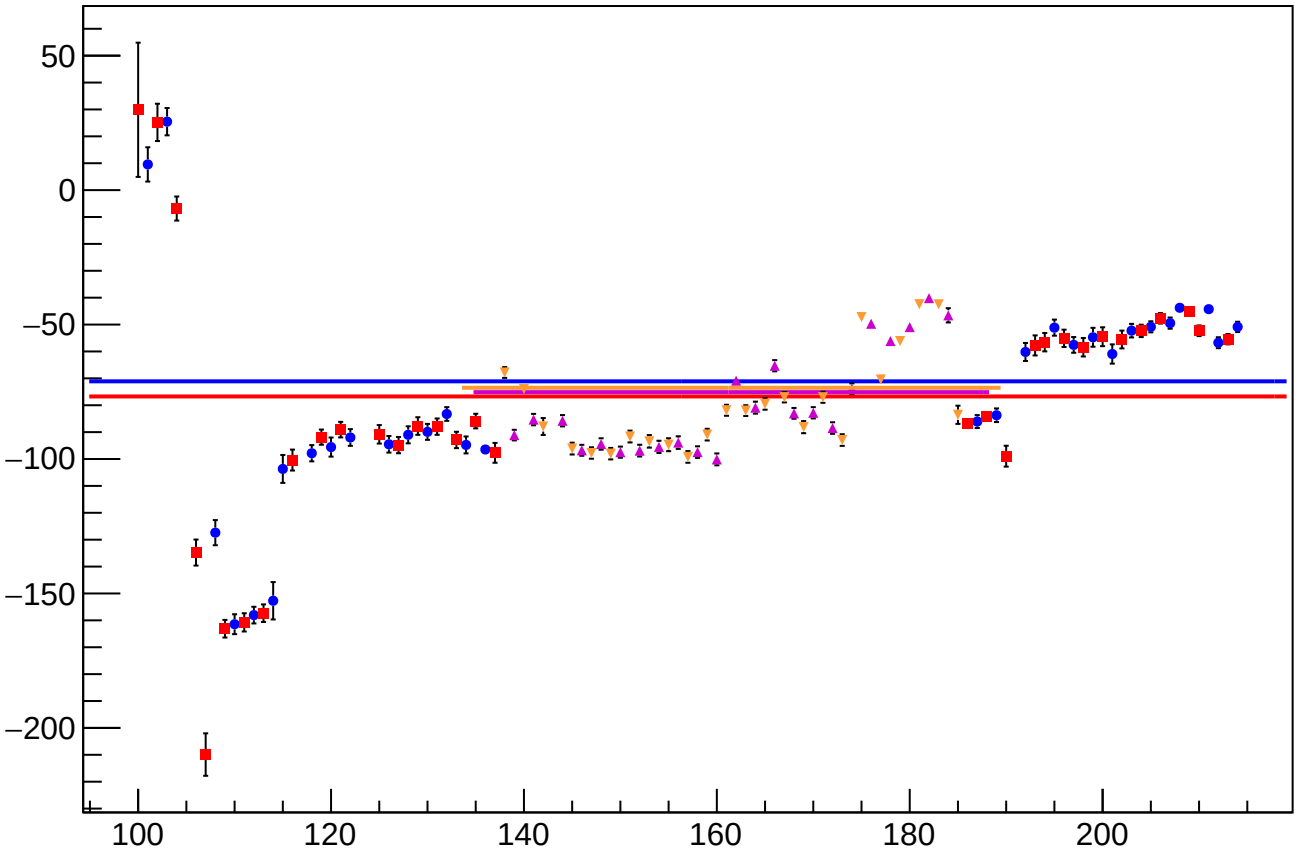
Right Out: -0.790+/-0.578 χ^2/NDF: 99.0/31

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

\+ sign 3.966+/-0.277 χ^2/NDF: 810.9/53

All: 3.700+/-0.197 χ^2/NDF: 1477.3/108

\- sign 3.427+/-0.281 χ^2/NDF: 664.5/54



Right In: -71.107+/-0.495 χ^2/NDF: 3859.3/29

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

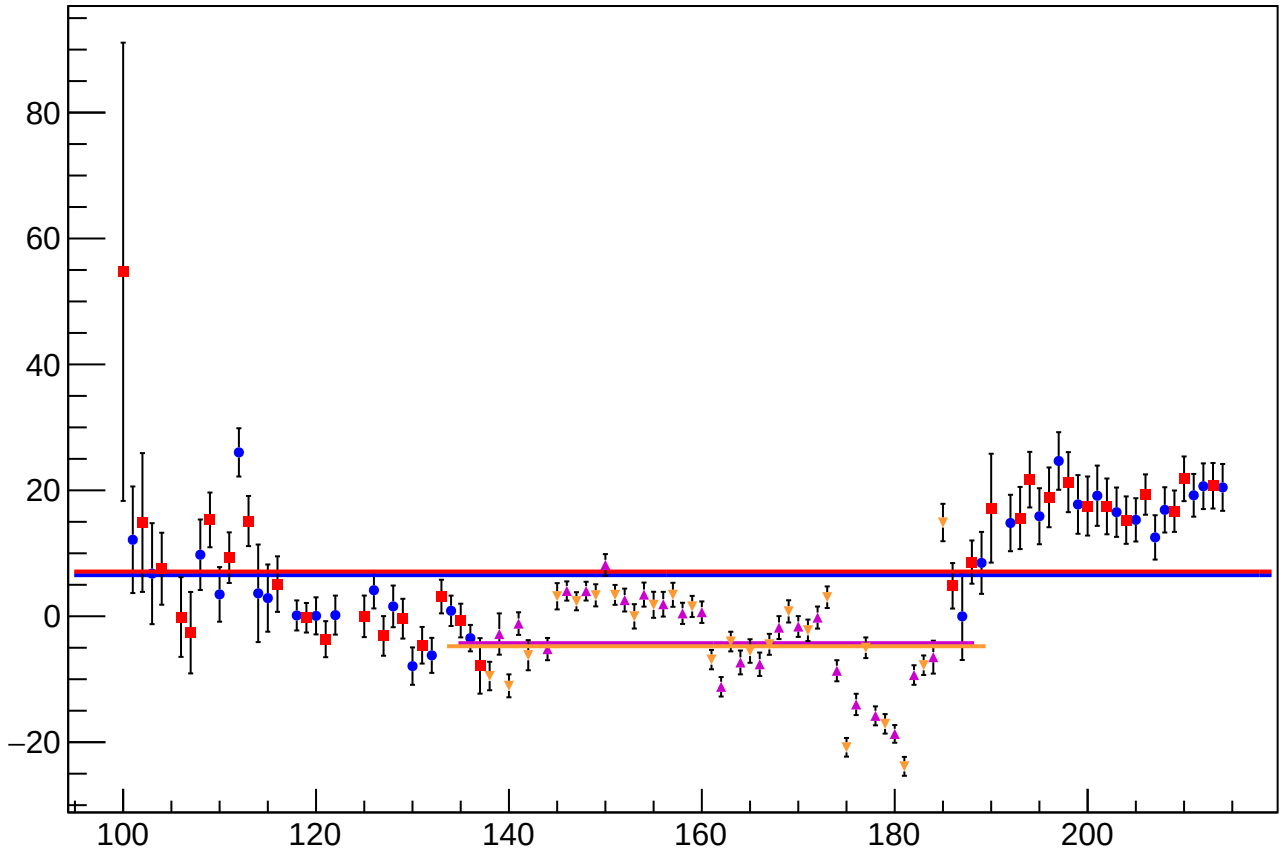
Right Out: -76.737+/-0.482 χ^2/NDF: 4347.8/31

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

+ sign -72.543+/-0.314 χ^2/NDF: 6265.3/53

All: -74.181+/-0.221 χ^2/NDF: 13035.8/108

- sign -75.806+/-0.312 χ^2/NDF: 6716.1/54



Right In: 6.530+/-0.656 χ^2/NDF: 224.6/29

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

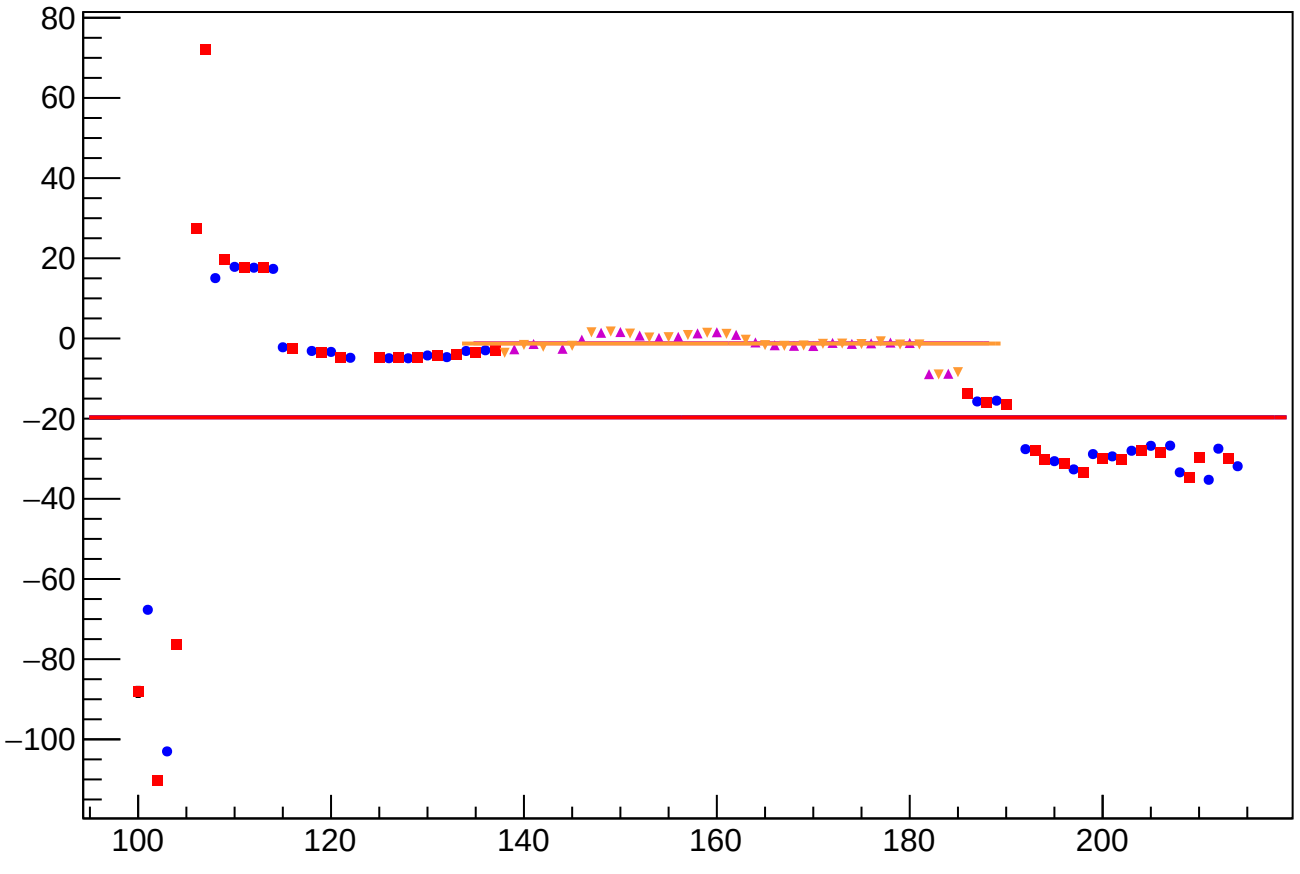
Right Out: 7.104+/-0.669 χ^2/NDF: 197.5/31

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -2.206+/-0.312 χ^2/NDF: 1030.8/53

All: -1.964+/-0.223 χ^2/NDF: 1877.6/108

\- sign -1.714+/-0.318 χ^2/NDF: 845.6/54



Right In: -19.660+/-0.032 χ^2/NDF: 394341.2/29

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

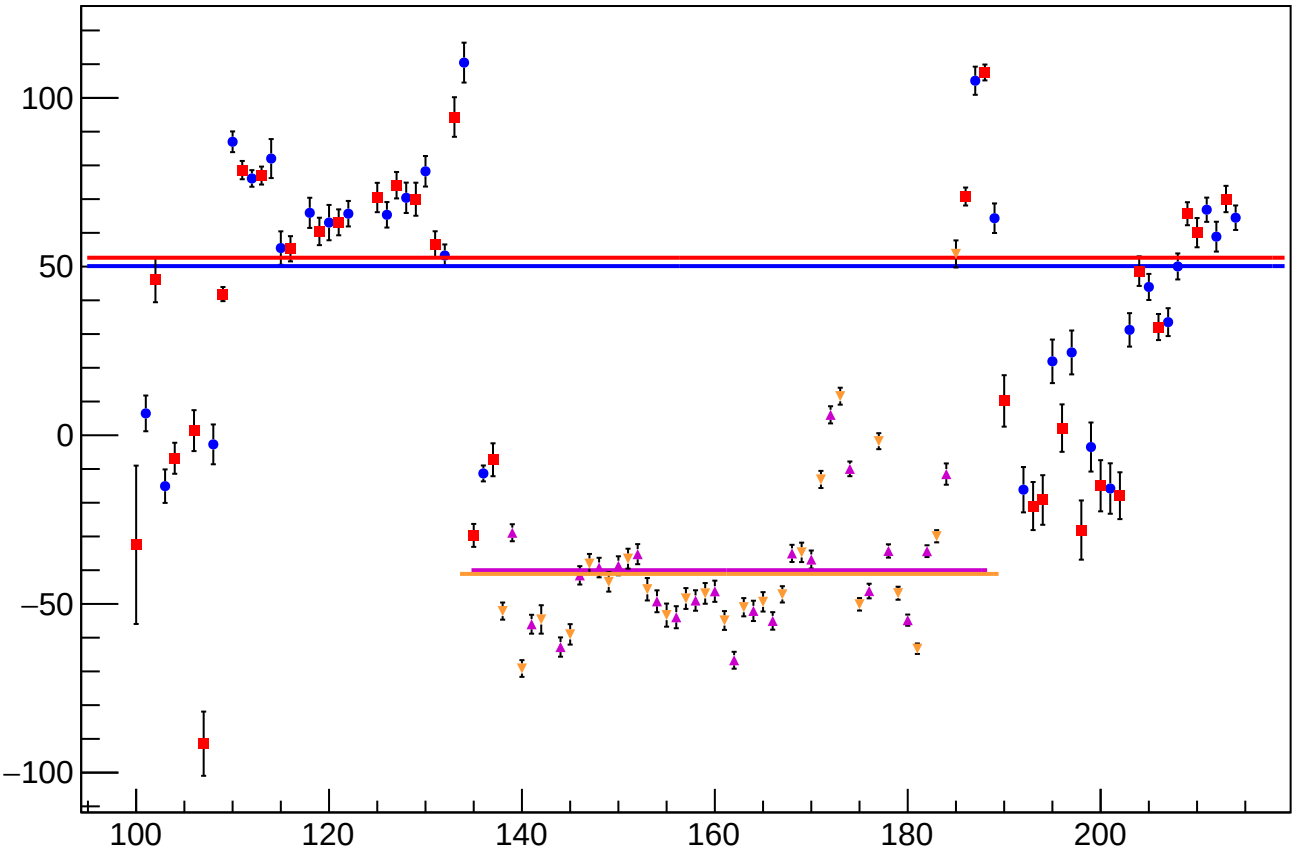
Right Out: -19.688+/-0.032 χ^2/NDF: 481096.1/31

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -4.975+/-0.014 χ^2/NDF: 690385.3/53

All: -4.880+/-0.010 χ^2/NDF: 1458383.4/108

\- sign -4.784+/-0.014 χ^2/NDF: 767908.8/54



Right In: 50.145+/-0.761 χ^2/NDF: 2026.0/29

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 52.631+/-0.713 χ^2/NDF: 2752.9/31

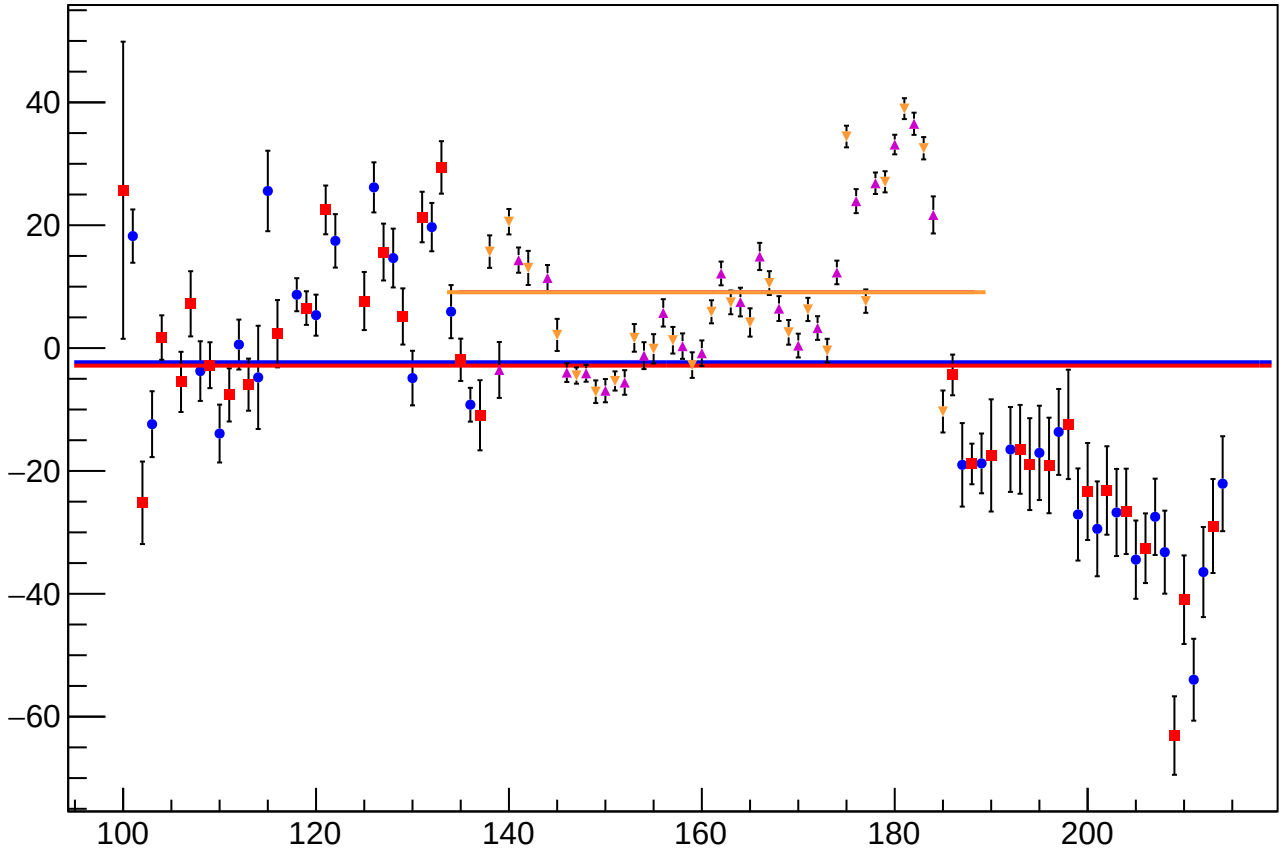
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -12.254+/-0.428 χ^2/NDF: 13806.5/53

All: -9.835+/-0.301 χ^2/NDF: 28614.2/108

\- sign -7.478+/-0.422 χ^2/NDF: 14744.5/54

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.308+/-0.889 χ^2/NDF: 410.6/29

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

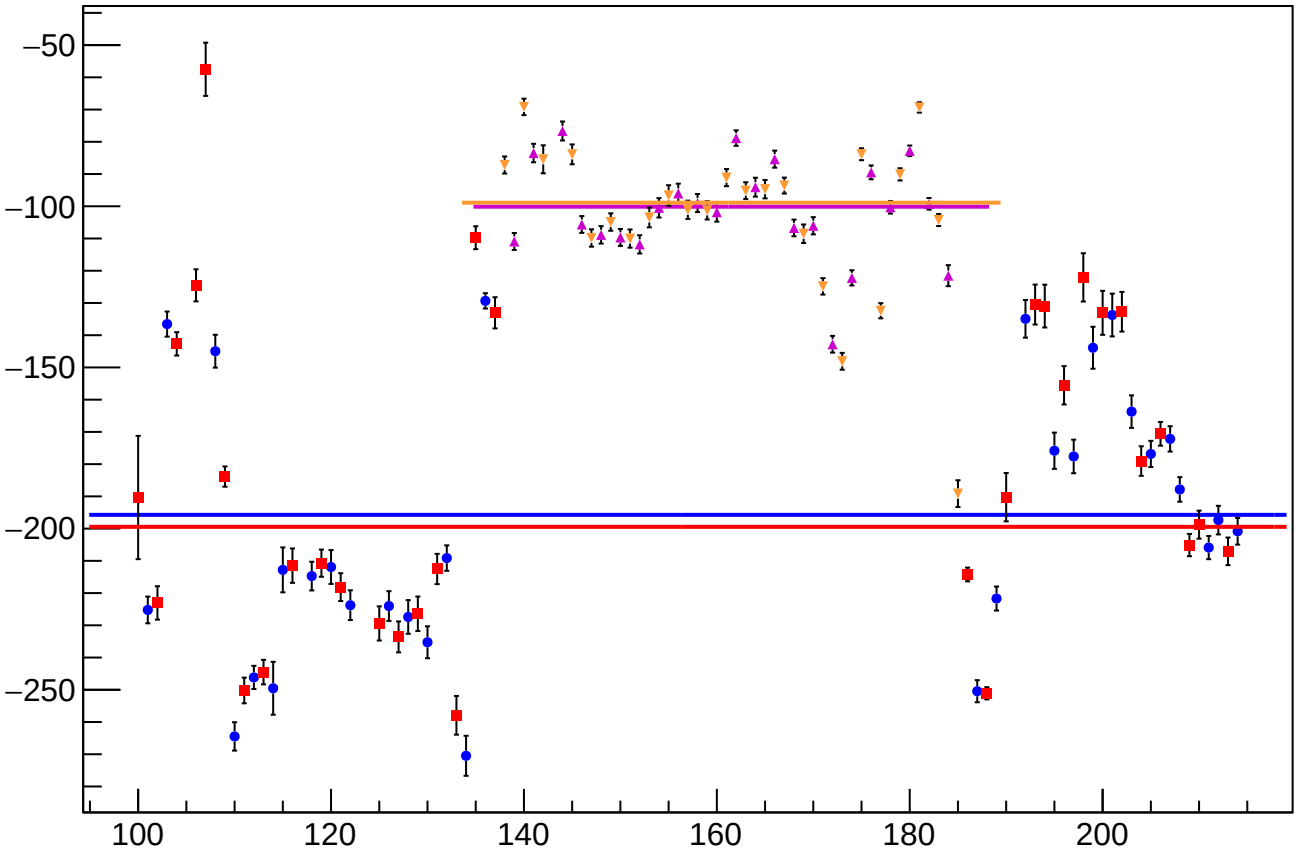
Right Out: -2.857+/-0.856 χ^2/NDF: 412.9/31

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 7.164+/-0.366 χ^2/NDF: 1801.0/53

All: 7.030+/-0.260 χ^2/NDF: 3425.4/108

- sign 6.894+/-0.369 χ^2/NDF: 1624.1/54



Right In: -195.731+/-0.797 χ^2/NDF: 2708.2/29

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

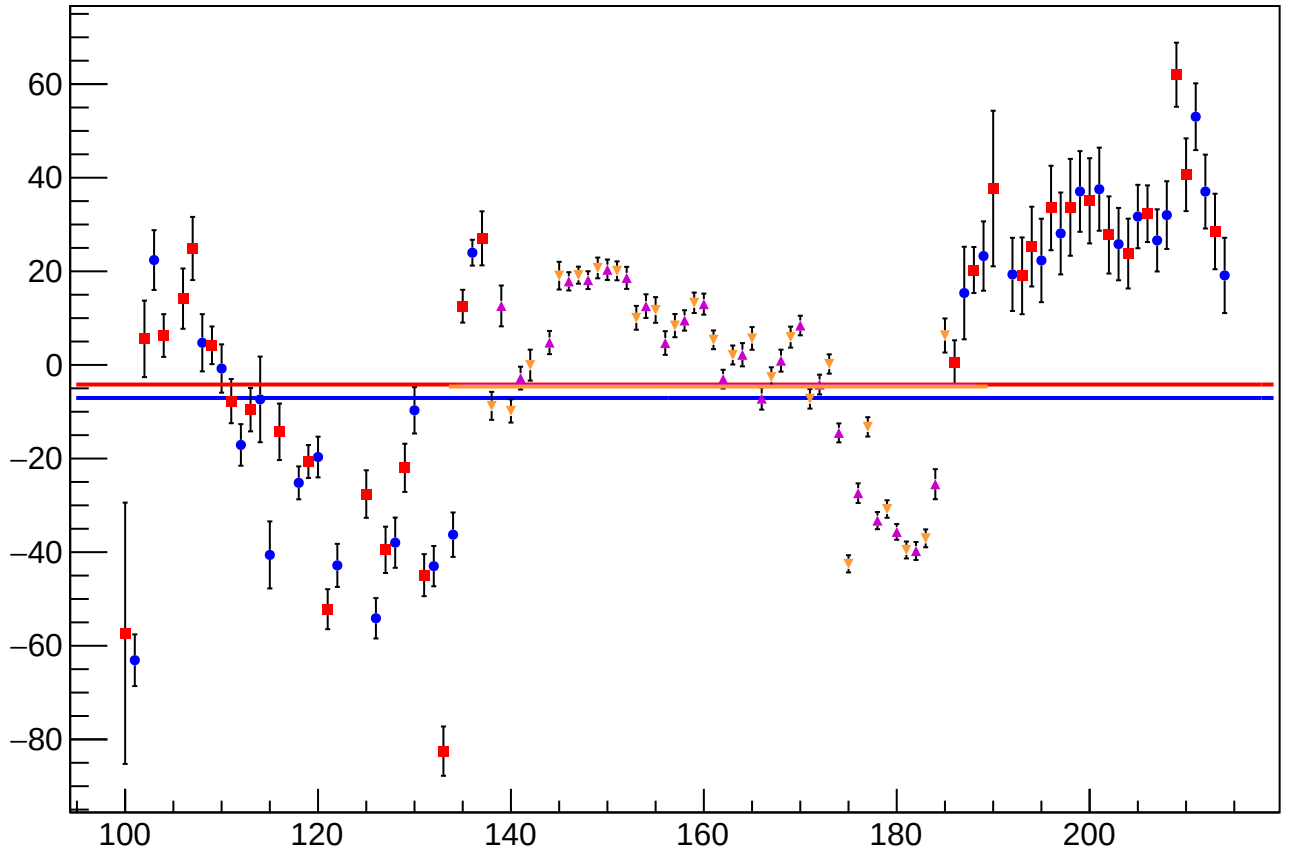
Right Out: -199.452+/-0.739 χ^2/NDF: 3663.8/31

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -127.329+/-0.432 χ^2/NDF: 14954.4/53

All: -130.207+/-0.303 χ^2/NDF: 31599.4/108

- sign -132.998+/-0.425 χ^2/NDF: 16557.6/54



Right In: -7.055+/-1.014 χ^2/NDF: 969.1/29

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

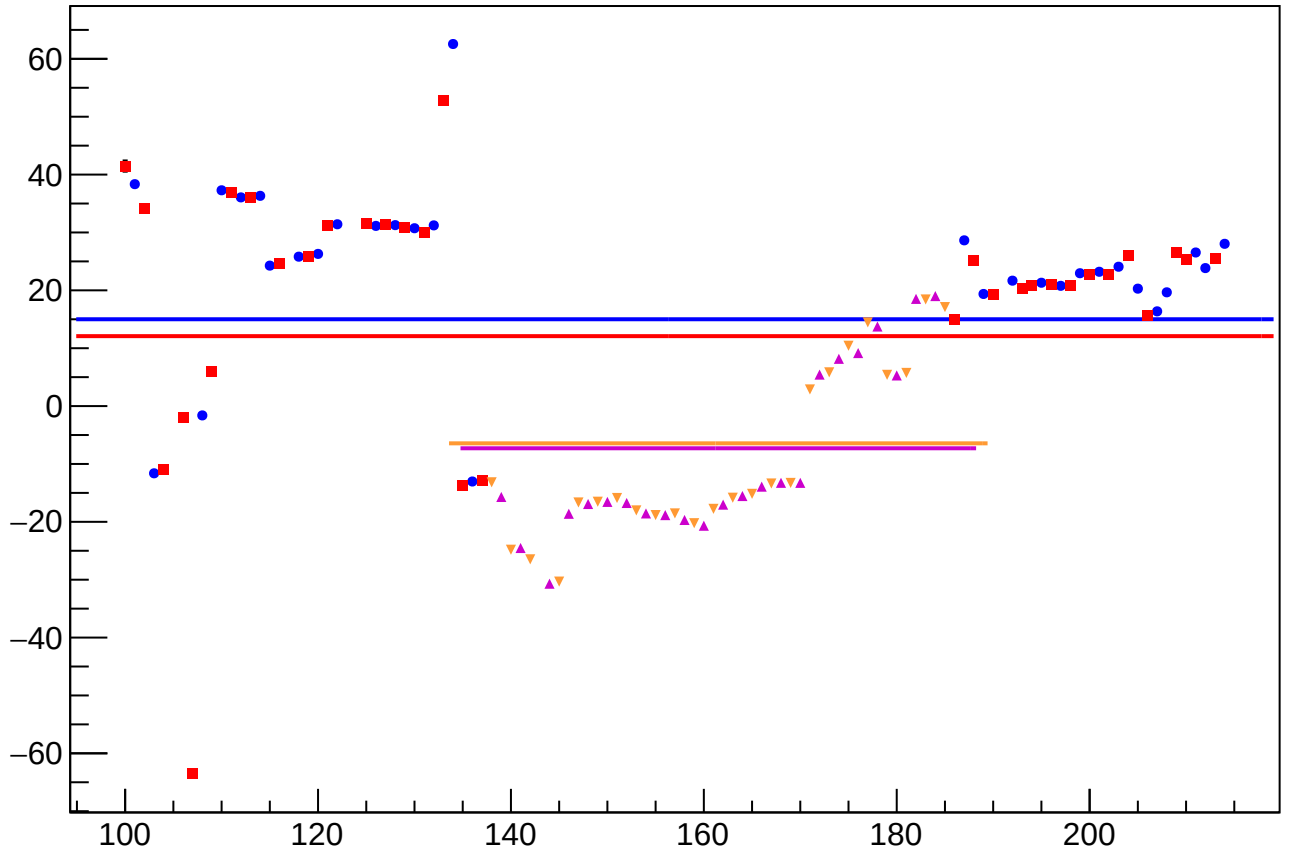
Right Out: -4.188+/-0.998 χ^2/NDF: 943.4/31

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -5.021+/-0.412 χ^2/NDF: 3052.2/53

All: -4.666+/-0.293 χ^2/NDF: 5851.3/108

- sign -4.304+/-0.417 χ^2/NDF: 2797.6/54



Right In: 15.003+/-0.049 χ^2/NDF: 178329.9/29

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 12.085+/-0.049 χ^2/NDF: 182701.2/31

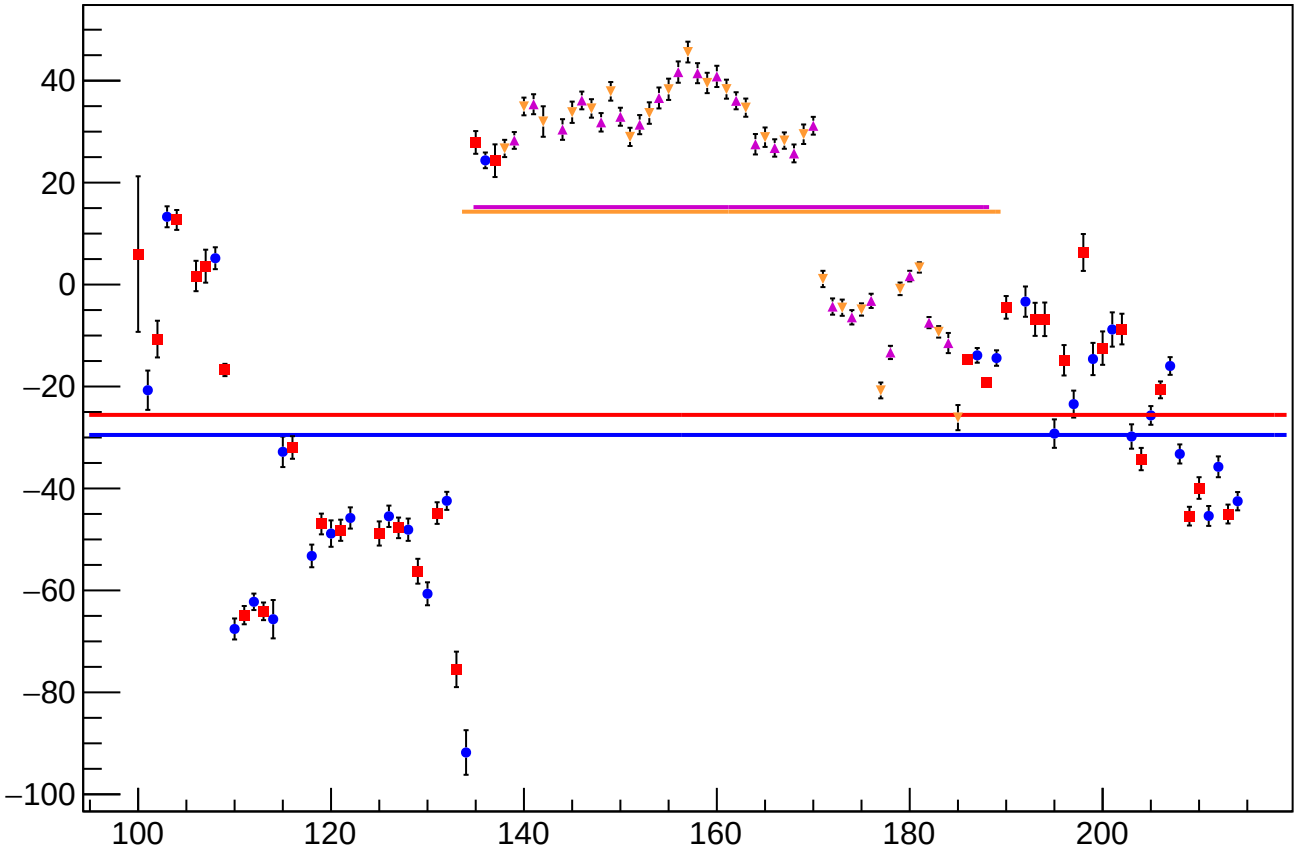
Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.360+/-0.019 χ^2/NDF: 836836.7/53

All: -3.911+/-0.013 χ^2/NDF: 1642393.6/108

- sign -4.466+/-0.019 χ^2/NDF: 803811.5/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -29.502+/-0.386 χ^2/NDF: 4133.2/29

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

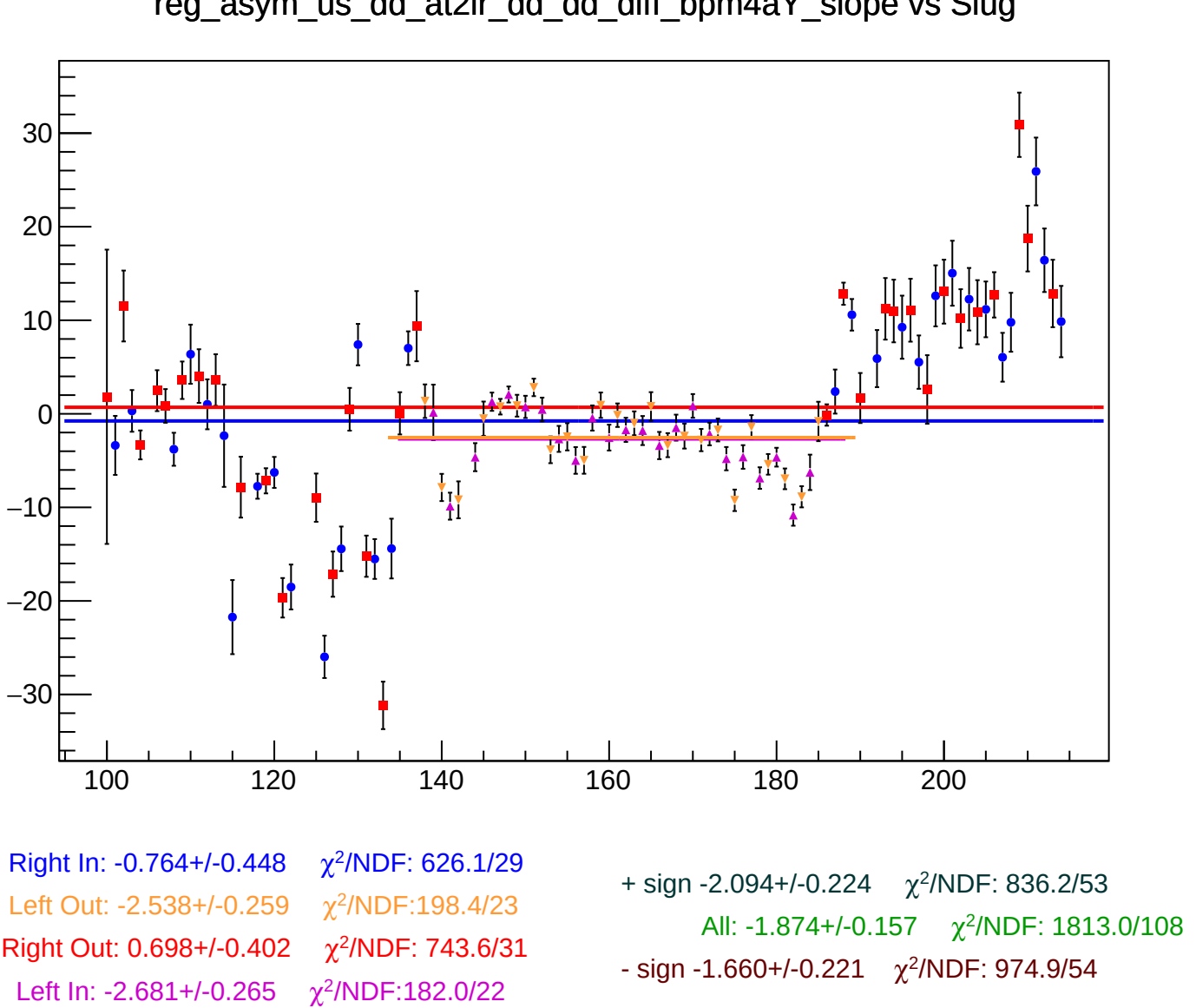
Right Out: -25.567+/-0.344 χ^2/NDF: 4101.6/31

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

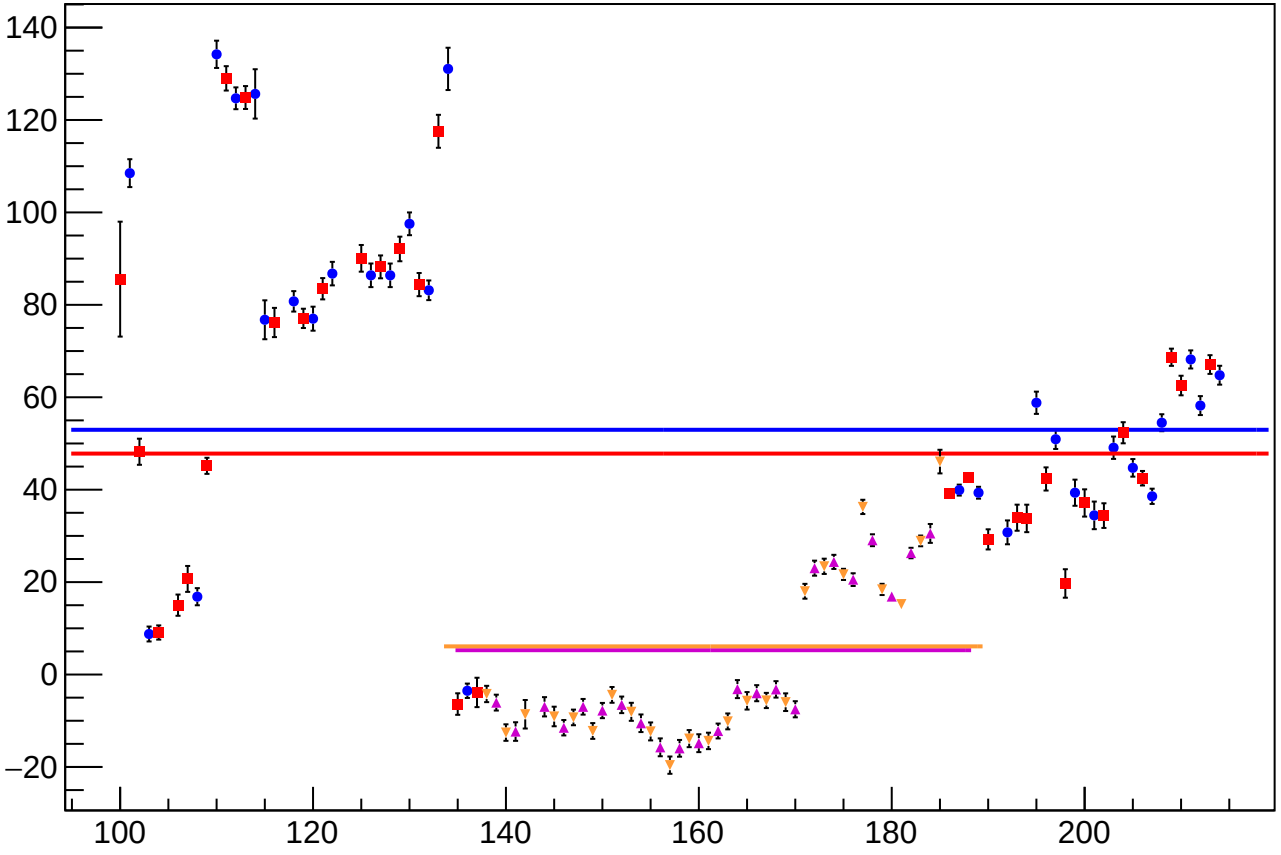
\+ sign -4.549+/-0.253 χ^2/NDF: 15204.8/53

All: -4.750+/-0.175 χ^2/NDF: 29835.2/108

\- sign -4.932+/-0.241 χ^2/NDF: 14629.3/54


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: -0.764+/-0.448 χ²/NDF: 626.1/29
Left Out: -2.538+/-0.259 χ²/NDF:198.4/23
Right Out: 0.698+/-0.402 χ²/NDF: 743.6/31
Left In: -2.681+/-0.265 χ²/NDF:182.0/22
+ sign -2.094+/-0.224 χ²/NDF: 836.2/53
All: -1.874+/-0.157 χ²/NDF: 1813.0/108
- sign -1.660+/-0.221 χ²/NDF: 974.9/54

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.961+/-0.384 χ^2/NDF: 6841.9/29

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

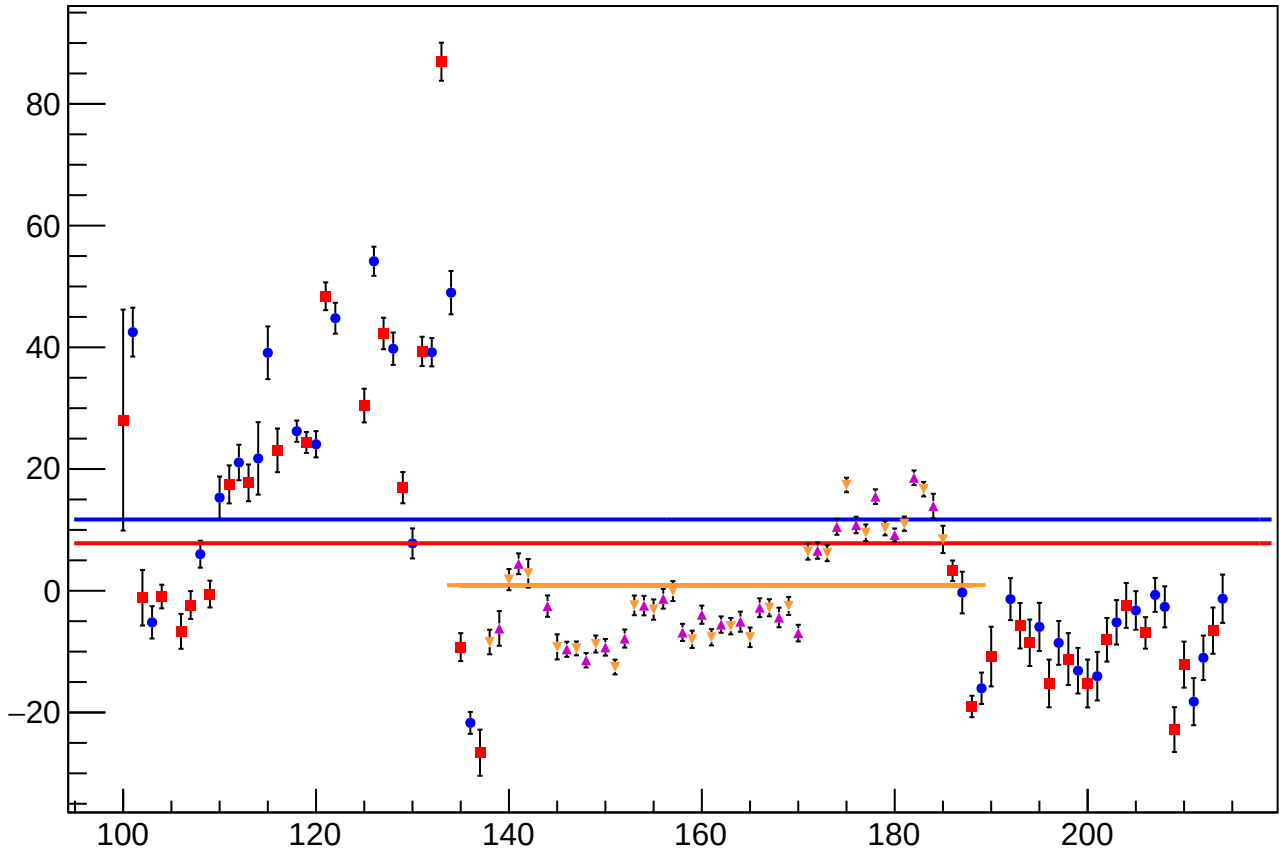
Right Out: 47.812+/-0.329 χ^2/NDF: 6246.3/31

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 26.206+/-0.252 χ^2/NDF: 18122.4/53

All: 26.640+/-0.172 χ^2/NDF: 34995.8/108

- sign 27.019+/-0.235 χ^2/NDF: 16867.8/54



Right In: 11.713+/-0.525 χ^2/NDF: 1922.8/29

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

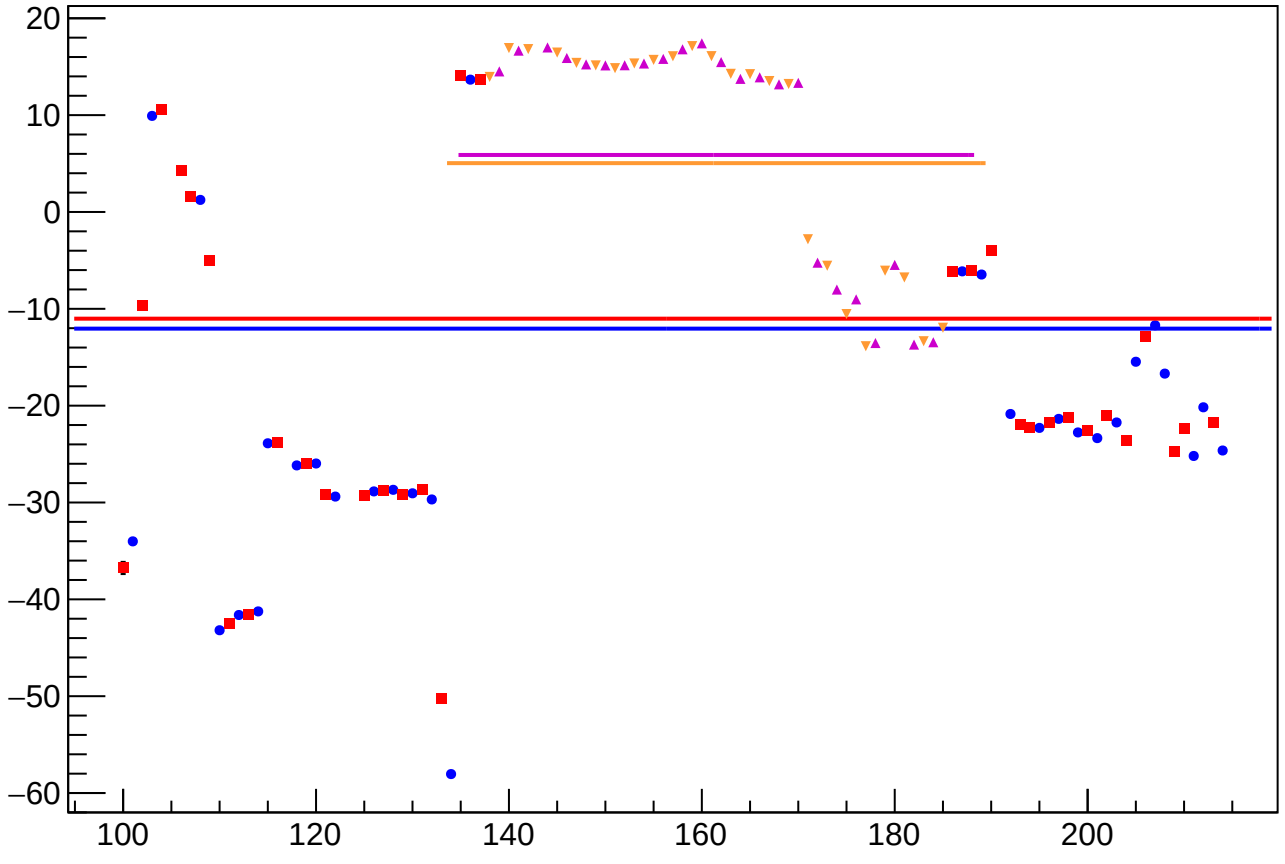
Right Out: 7.803+/-0.489 χ^2/NDF: 2282.0/31

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.475+/-0.255 χ^2/NDF: 3286.9/53

All: 3.108+/-0.180 χ^2/NDF: 6725.3/108

- sign 2.744+/-0.254 χ^2/NDF: 3434.3/54



Right In: -12.046+/-0.024 χ^2/NDF: 501164.6/29

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

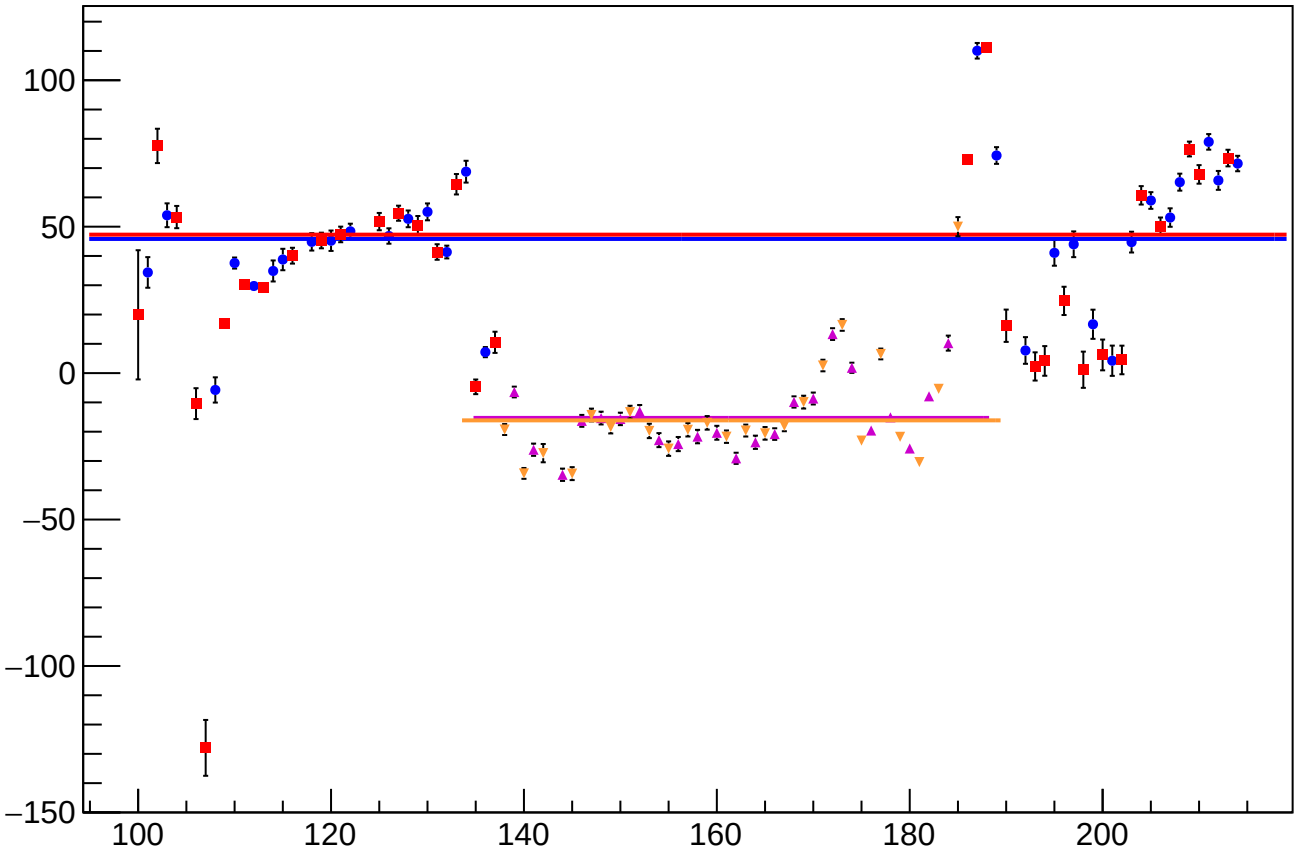
Right Out: -11.017+/-0.024 χ^2/NDF: 422090.4/31

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.162+/-0.011 χ^2/NDF: 1745315.4/53

All: 1.512+/-0.008 χ^2/NDF: 3409158.0/108

- sign 1.862+/-0.011 χ^2/NDF: 1661986.1/54



Right In: 45.810+/-0.526 χ^2/NDF: 2051.4/29

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 47.275+/-0.491 χ^2/NDF: 4380.9/31

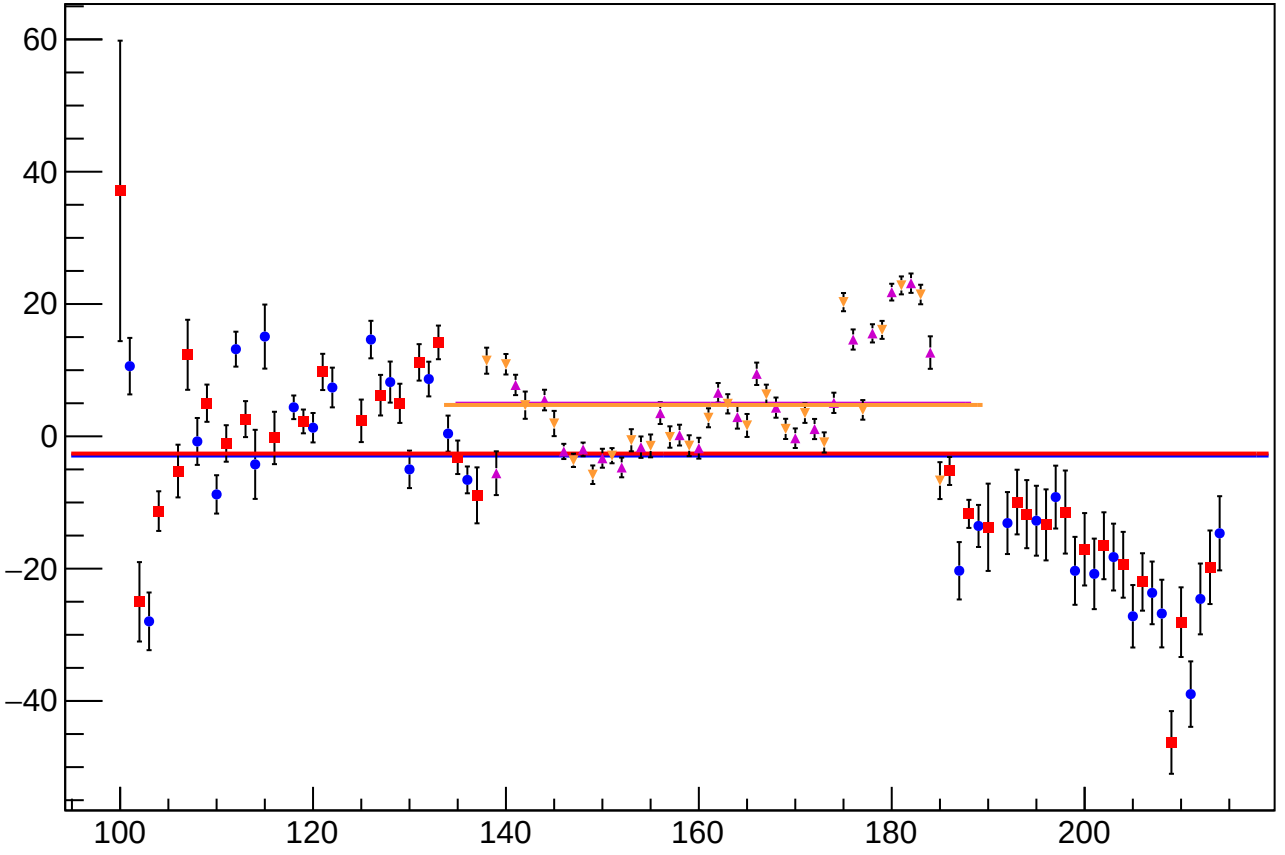
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 6.423+/-0.317 χ^2/NDF: 12240.5/53

All: 8.199+/-0.222 χ^2/NDF: 27144.8/108

- sign 9.912+/-0.312 χ^2/NDF: 14842.8/54

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -2.902+/-0.613 χ^2/NDF: 417.0/29

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

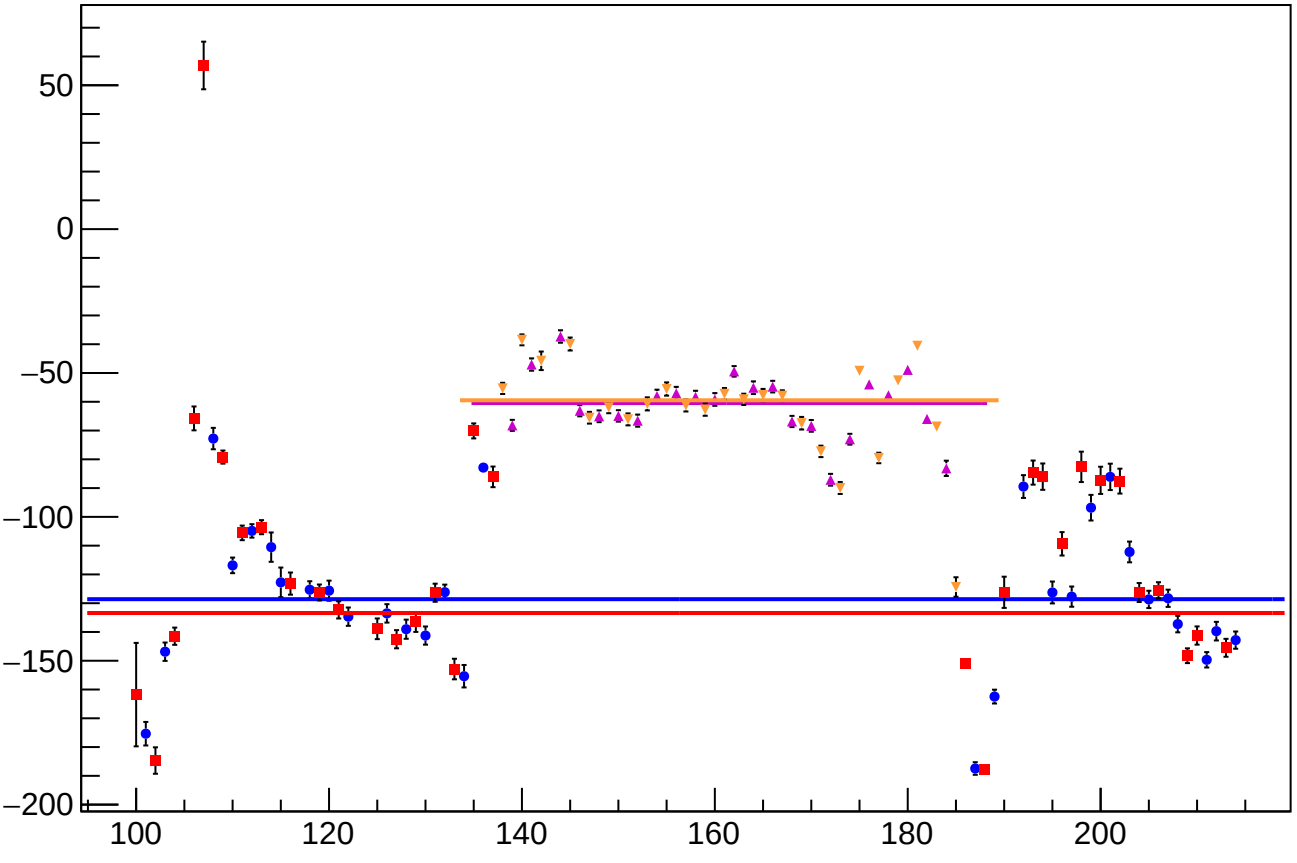
Right Out: -2.606+/-0.593 χ^2/NDF: 359.4/31

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.217+/-0.274 χ^2/NDF: 1335.1/53

All: 3.254+/-0.195 χ^2/NDF: 2509.4/108

- sign 3.293+/-0.277 χ^2/NDF: 1174.2/54



Right In: -128.604+/-0.558 χ^2/NDF: 2570.6/29

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

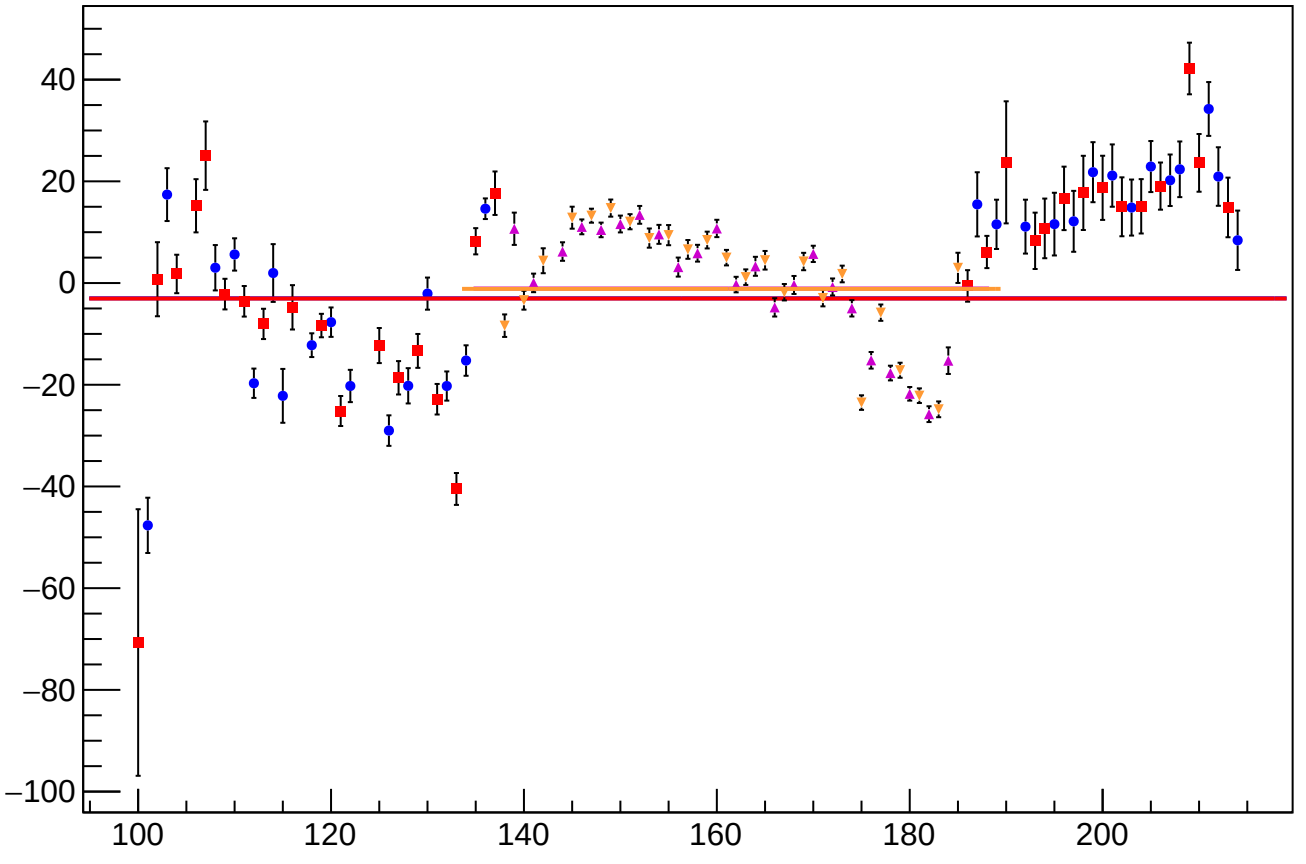
Right Out: -133.411+/-0.510 χ^2/NDF: 5385.2/31

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -82.526+/-0.322 χ^2/NDF: 14156.5/53

All: -85.412+/-0.225 χ^2/NDF: 33042.5/108

\- sign -88.159+/-0.315 χ^2/NDF: 18729.6/54



Right In: -3.005+/-0.701 χ^2/NDF: 635.3/29

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -3.048+/-0.694 χ^2/NDF: 579.0/31

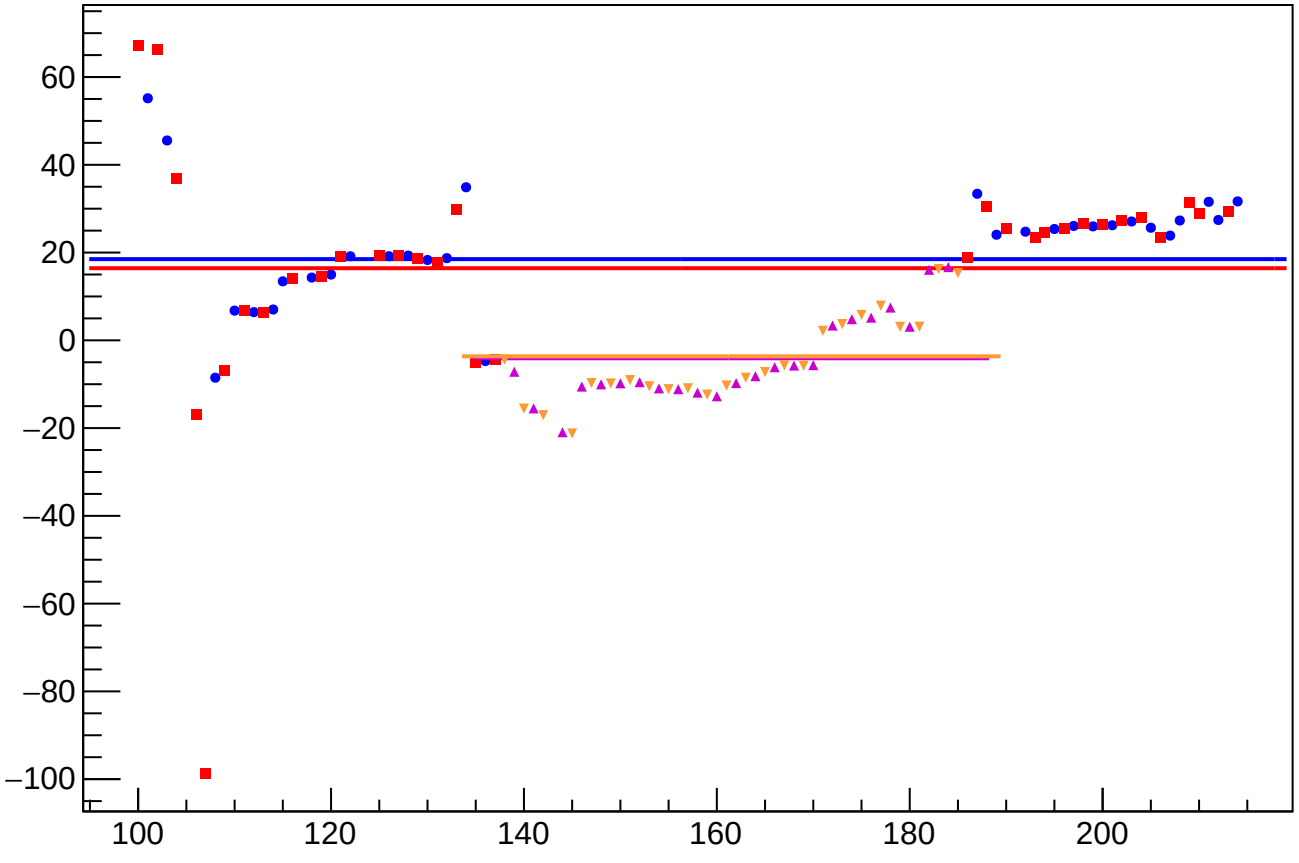
Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.508+/-0.310 χ^2/NDF: 1944.0/53

All: -1.496+/-0.221 χ^2/NDF: 3686.7/108

- sign -1.484+/-0.314 χ^2/NDF: 1742.7/54

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 18.503+/-0.035 χ^2/NDF: 217516.9/29

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

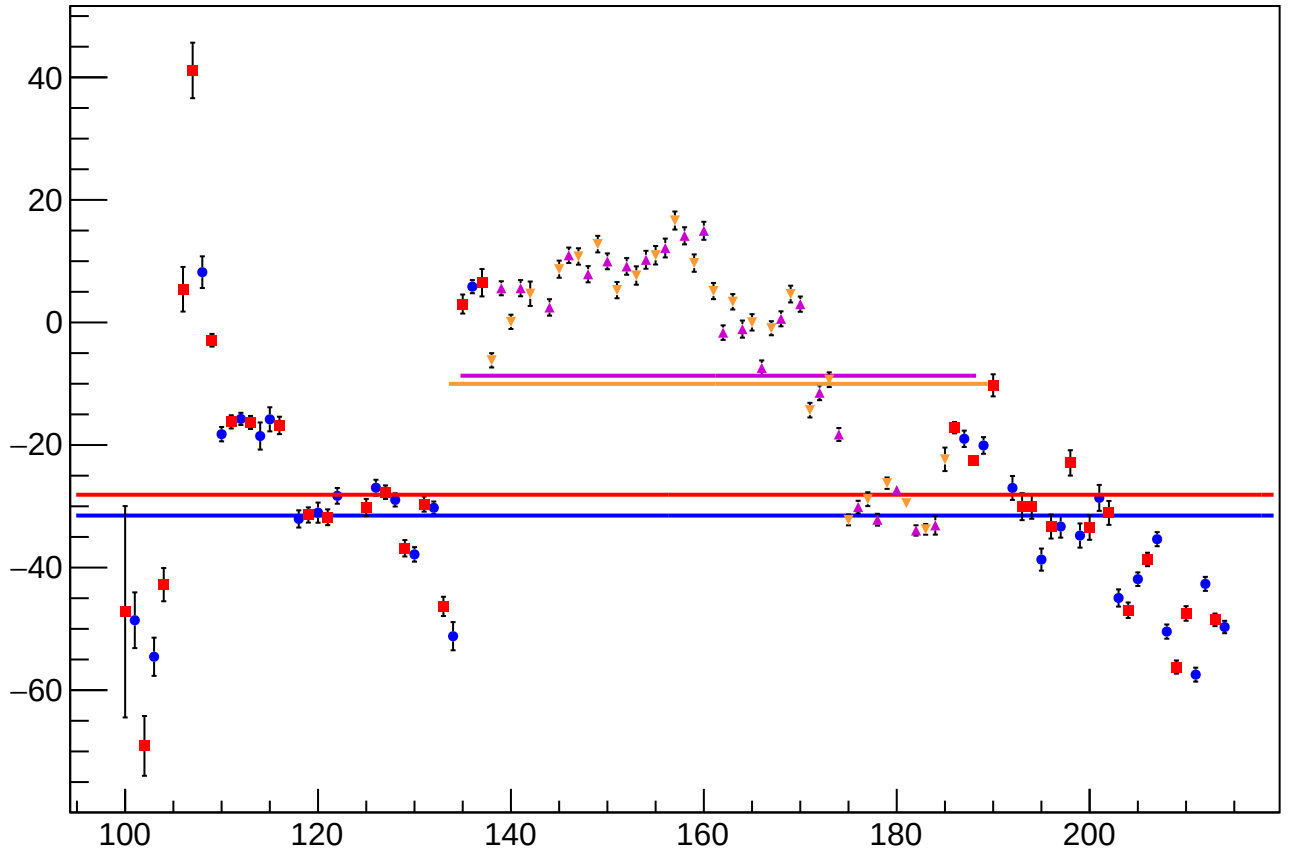
Right Out: 16.434+/-0.036 χ^2/NDF: 351935.9/31

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign -0.078+/-0.014 χ^2/NDF: 893628.0/53

All: -0.446+/-0.010 χ^2/NDF: 1858633.5/108

- sign -0.819+/-0.014 χ^2/NDF: 963642.6/54



Right In: -31.509+/-0.251 χ^2/NDF: 3699.7/29

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

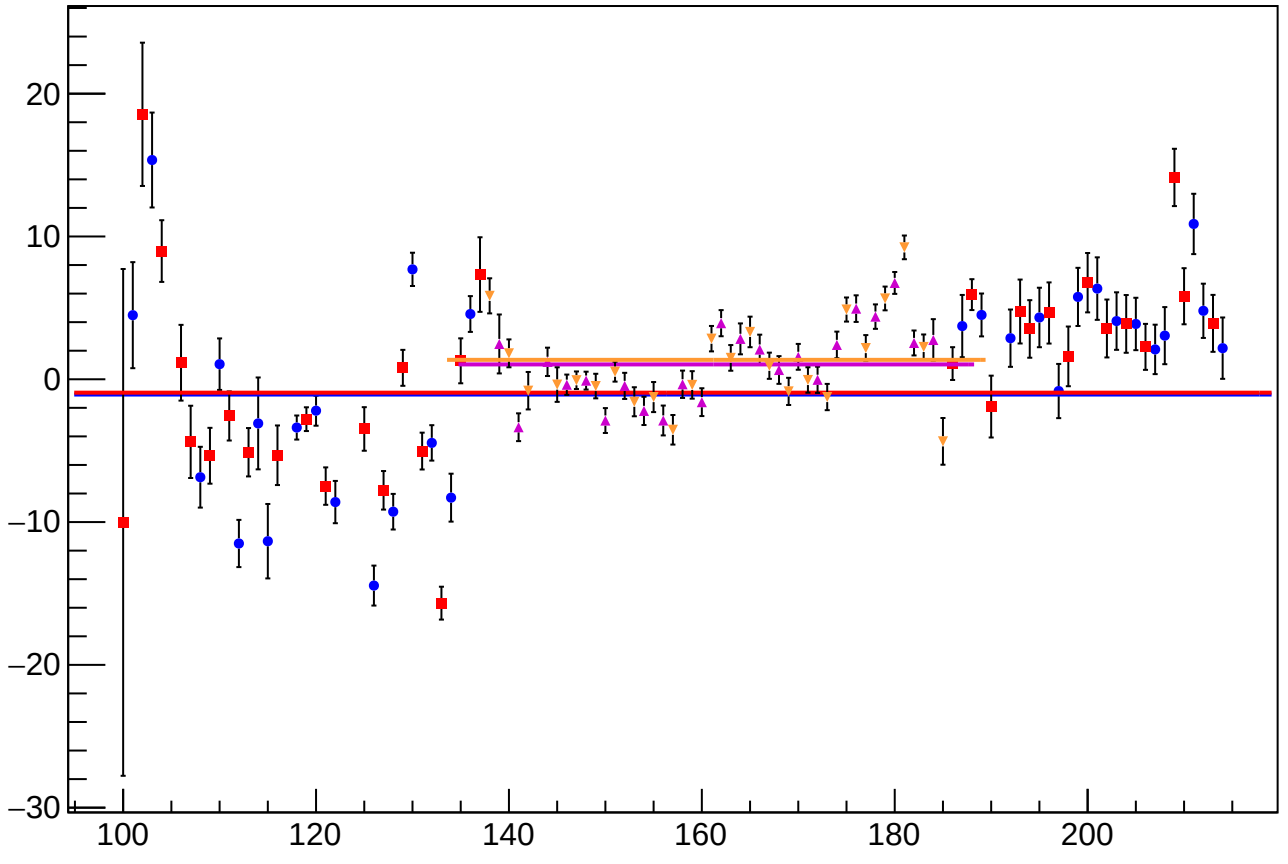
Right Out: -28.111+/-0.243 χ^2/NDF: 4138.9/31

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -20.491+/-0.175 χ^2/NDF: 12450.2/53

All: -19.526+/-0.123 χ^2/NDF: 24802.0/108

- sign -18.577+/-0.174 χ^2/NDF: 12291.5/54



Right In: -1.069+/-0.297 χ^2/NDF: 480.4/29

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

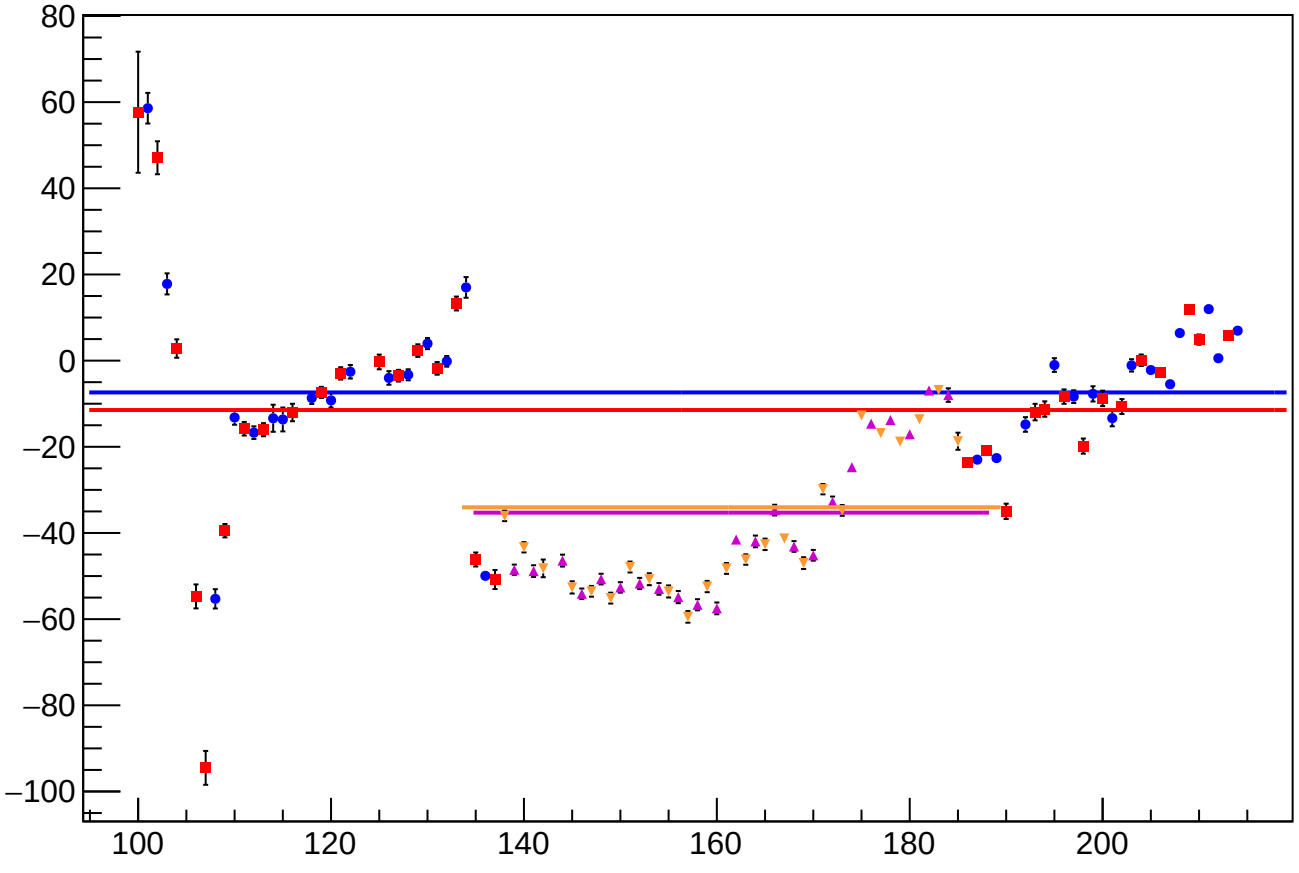
Right Out: -0.938+/-0.290 χ^2/NDF: 467.5/31

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.665+/-0.159 χ^2/NDF: 768.4/53

All: 0.552+/-0.113 χ^2/NDF: 1465.2/108

- sign 0.437+/-0.160 χ^2/NDF: 695.8/54



Right In: -7.379+/-0.262 χ^2/NDF: 3854.0/29

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

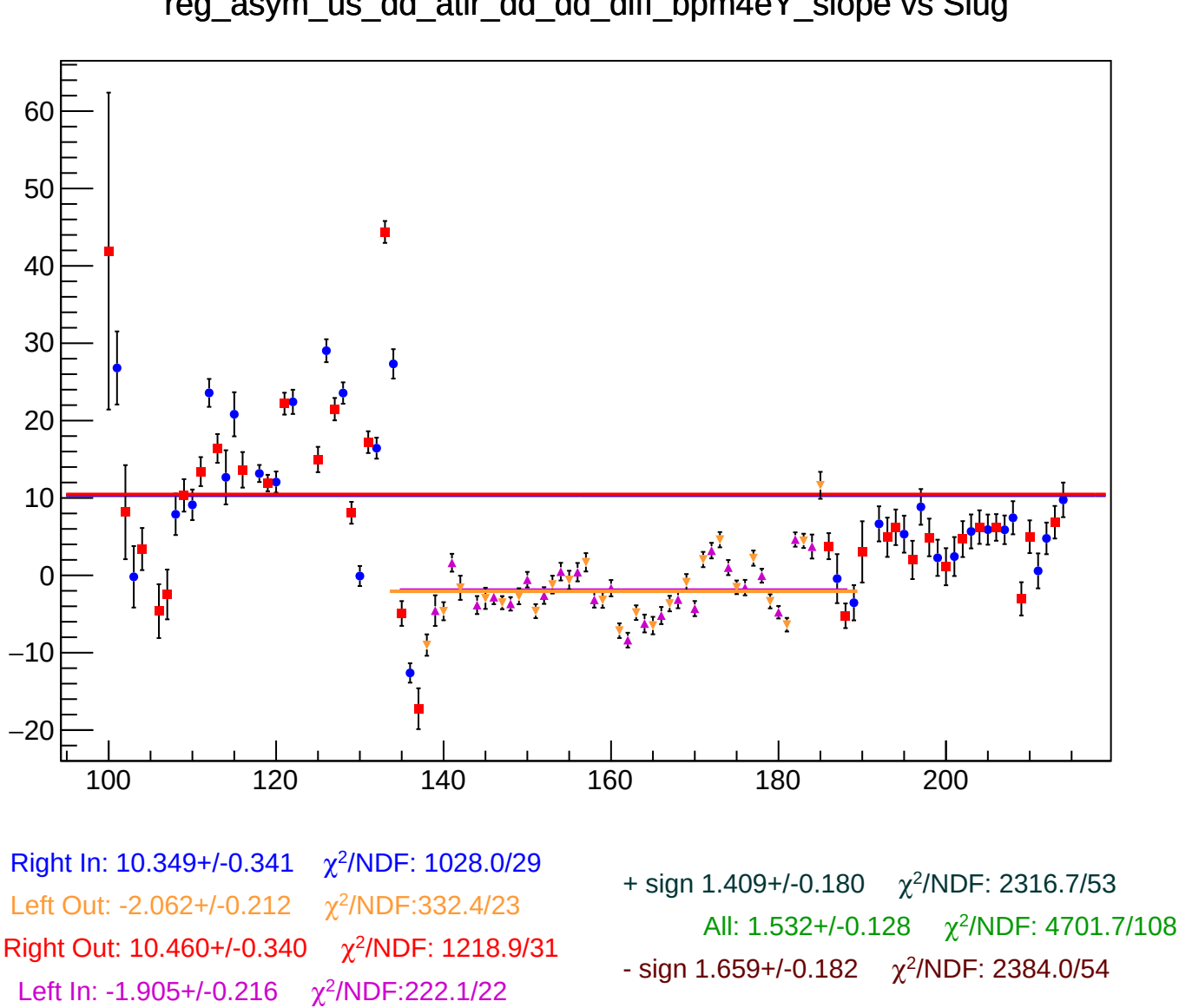
Right Out: -11.466+/-0.247 χ^2/NDF: 4334.8/31

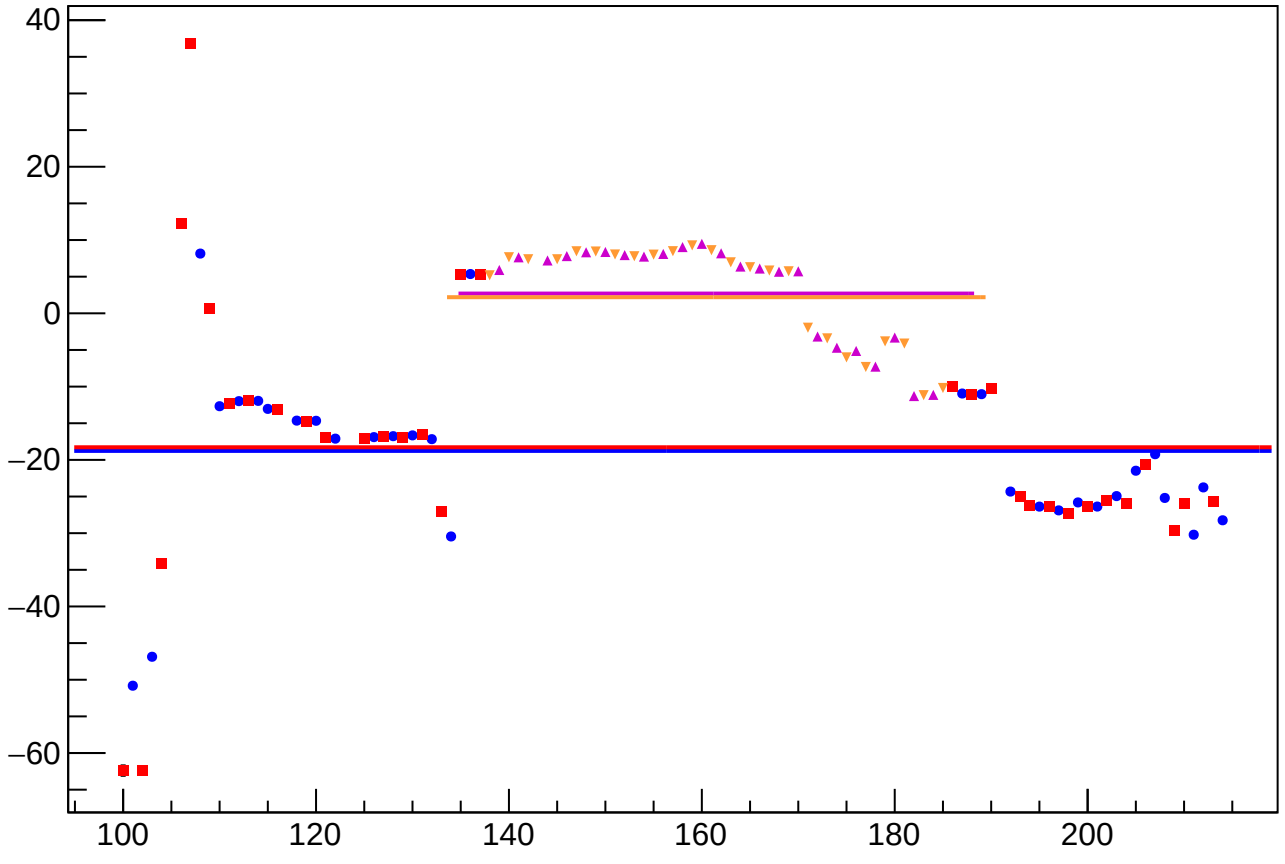
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -21.744+/-0.178 χ^2/NDF: 14390.1/53

All: -22.625+/-0.125 χ^2/NDF: 28443.6/108

\- sign -23.469+/-0.174 χ^2/NDF: 14005.5/54


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
Right In: 10.349+/-0.341 χ²/NDF: 1028.0/29
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 10.460+/-0.340 χ²/NDF: 1218.9/31
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.409+/-0.180 χ²/NDF: 2316.7/53
All: 1.532+/-0.128 χ²/NDF: 4701.7/108
- sign 1.659+/-0.182 χ²/NDF: 2384.0/54



Right In: -18.773+/-0.017 χ^2/NDF: 527878.1/29

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -18.279+/-0.017 χ^2/NDF: 609524.3/31

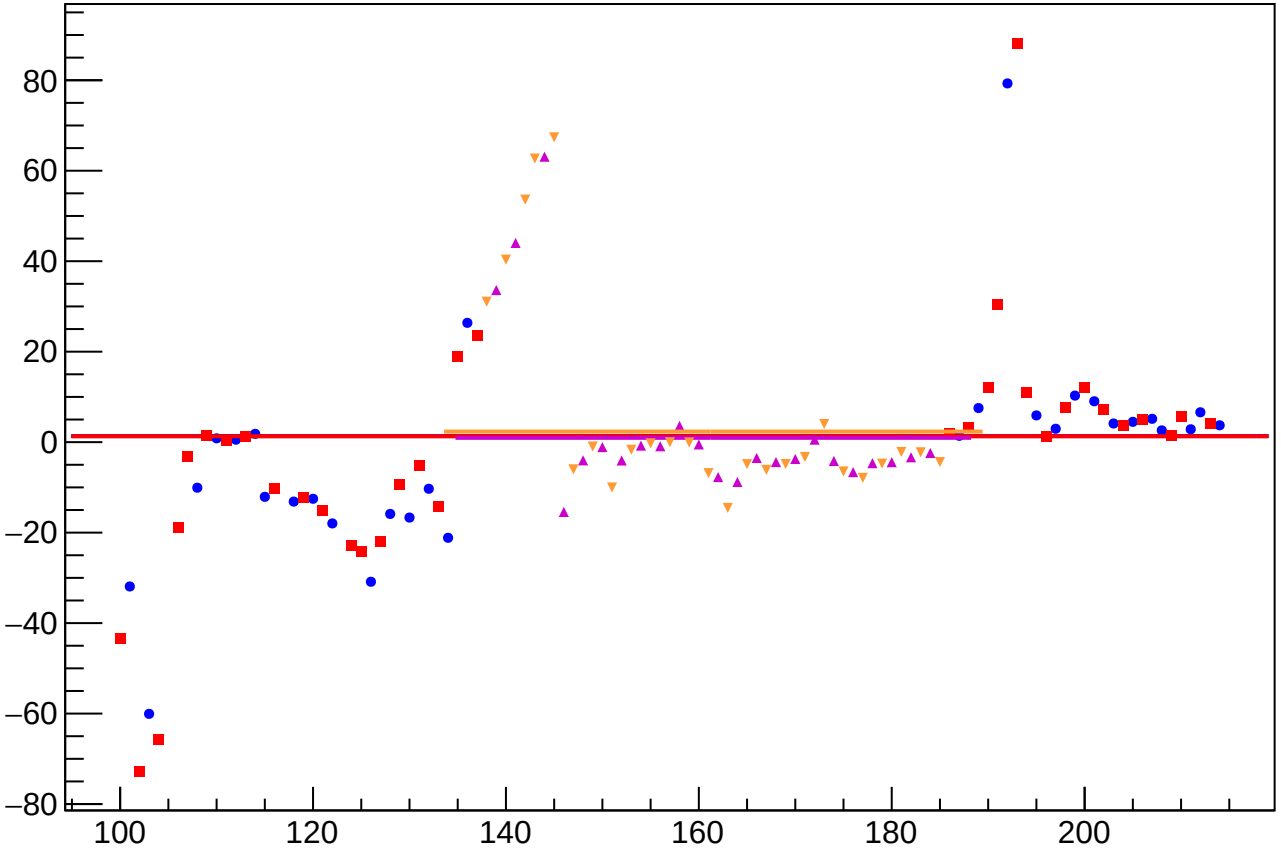
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -2.785+/-0.008 χ^2/NDF: 2195481.3/53

All: -2.555+/-0.006 χ^2/NDF: 4458575.1/108

\- sign -2.323+/-0.008 χ^2/NDF: 2261551.0/54

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 1.337+/-0.036 χ^2/NDF: 121016.6/29

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.304+/-0.033 χ^2/NDF: 121821.6/33

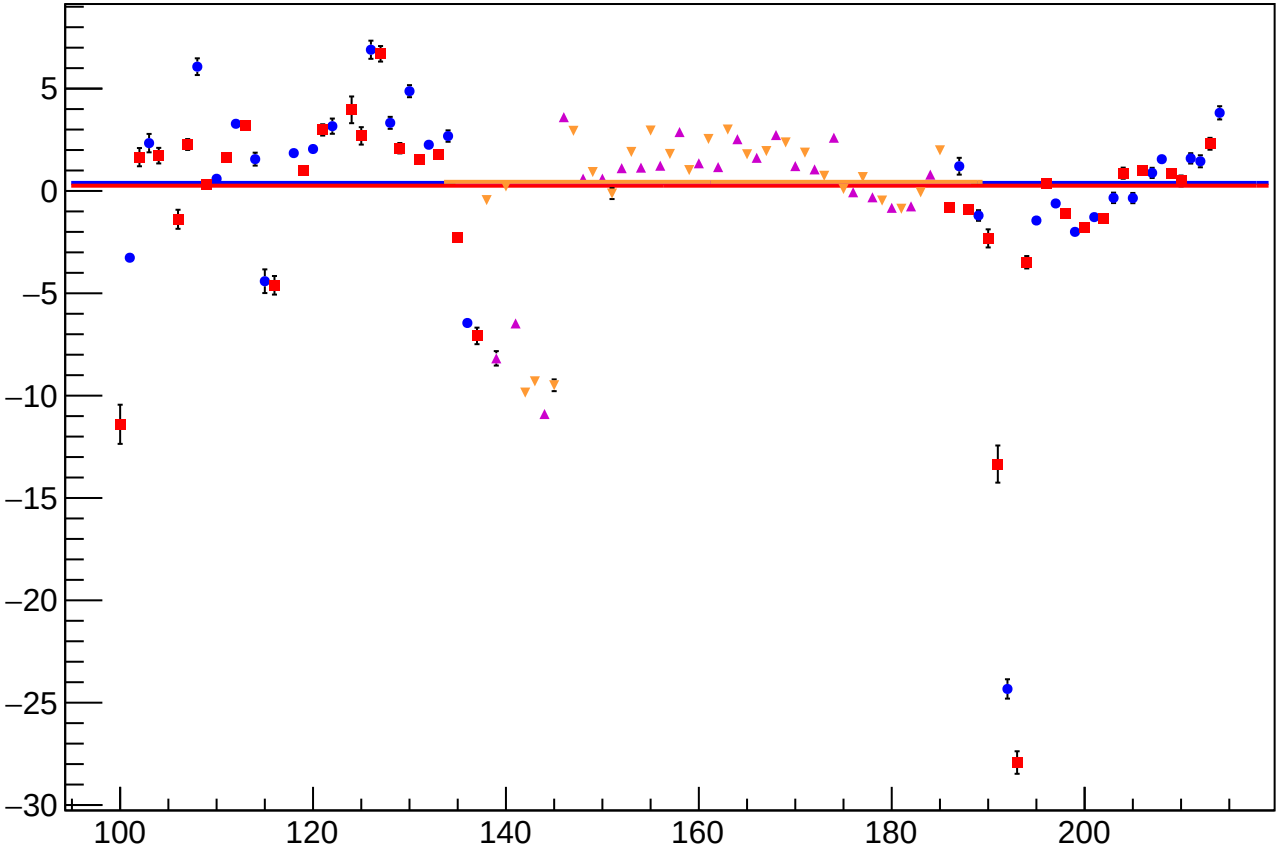
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.781+/-0.027 χ^2/NDF: 298349.9/54

All: 1.456+/-0.018 χ^2/NDF: 553016.4/111

- sign 1.165+/-0.025 χ^2/NDF: 254386.7/56

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.393+/-0.045 χ^2/NDF: 6018.5/29

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.257+/-0.043 χ^2/NDF: 5152.0/33

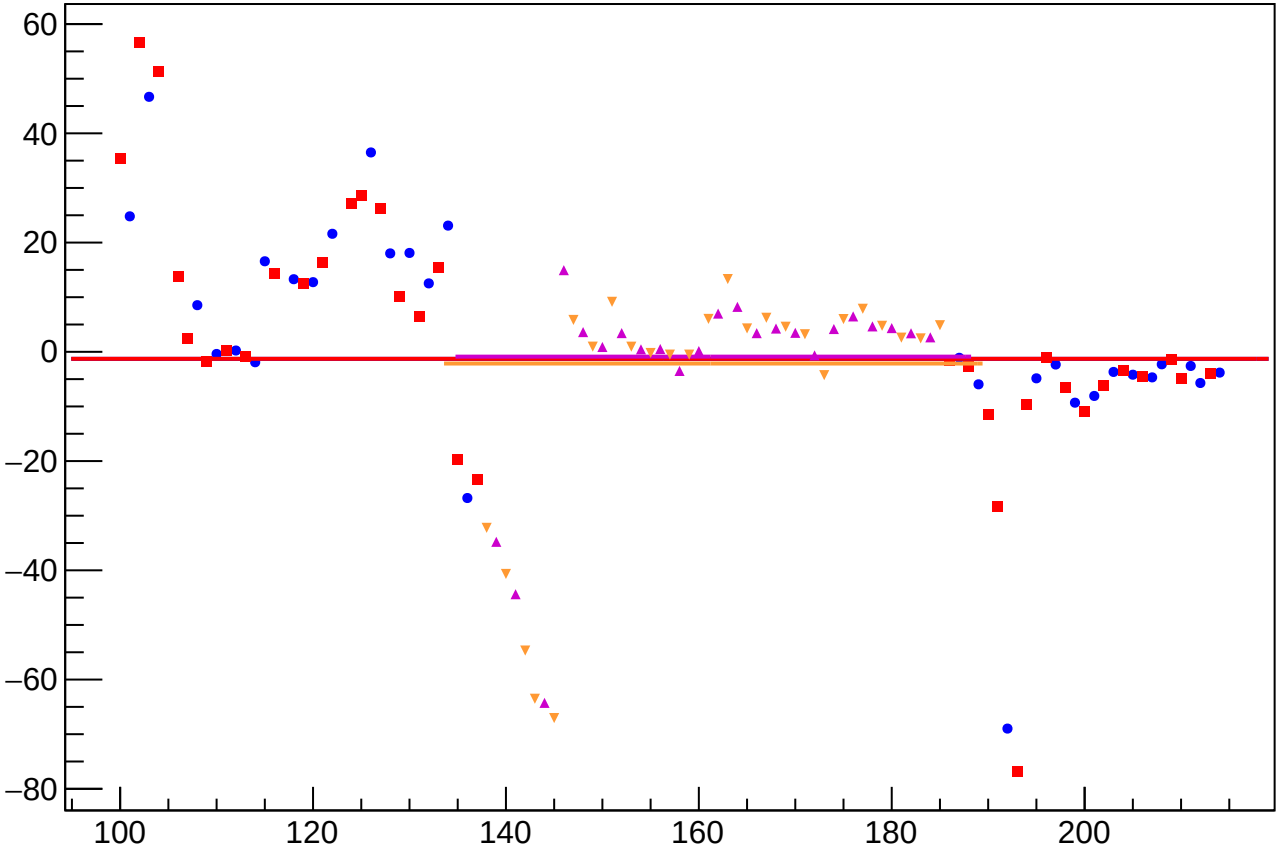
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.427+/-0.026 χ^2/NDF: 13063.7/54

All: 0.396+/-0.018 χ^2/NDF: 25330.9/111

- sign 0.368+/-0.025 χ^2/NDF: 12264.6/56

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.292+/-0.037 χ^2/NDF: 119416.0/29

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.279+/-0.035 χ^2/NDF: 119827.7/33

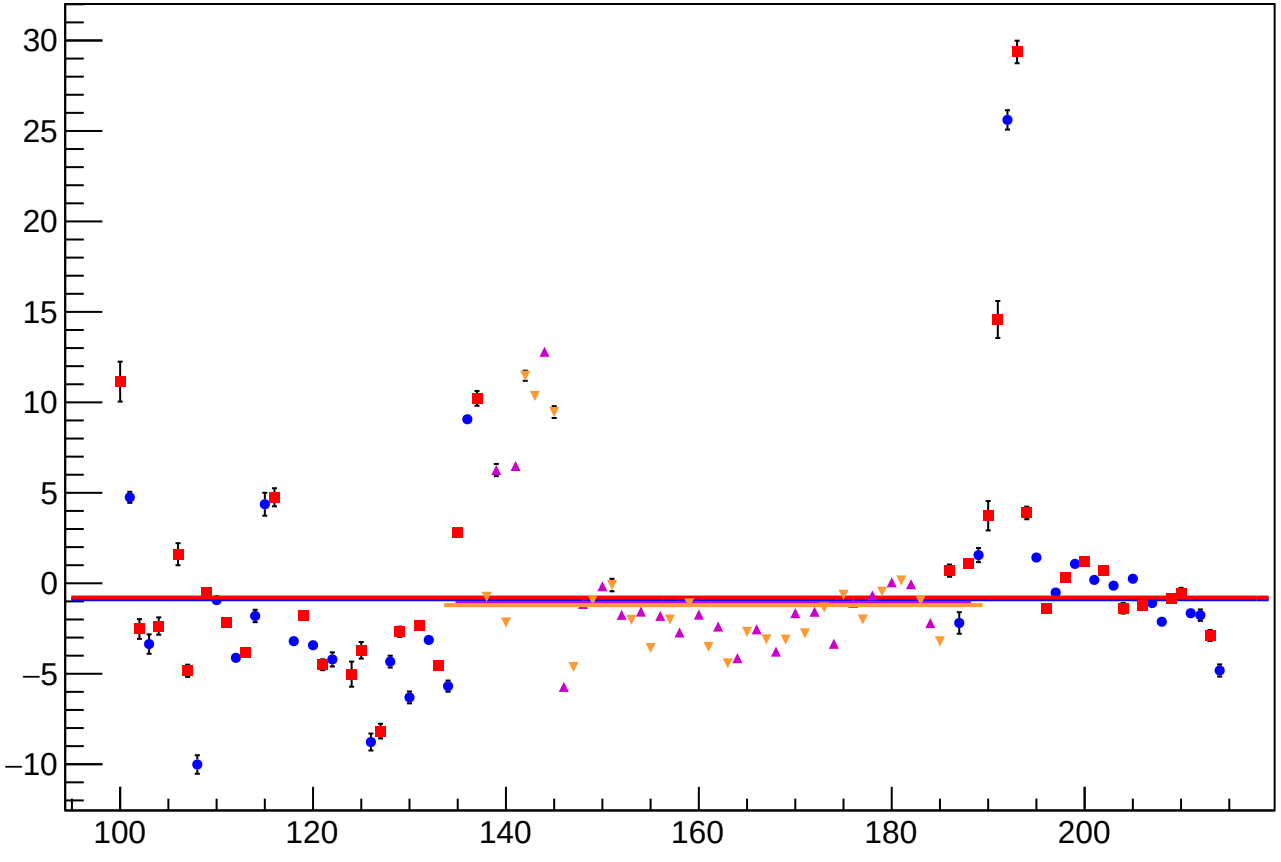
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.682+/-0.027 χ^2/NDF: 290929.3/54

All: -1.380+/-0.019 χ^2/NDF: 540246.7/111

- sign -1.106+/-0.026 χ^2/NDF: 249083.3/56

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.882+/-0.051 χ^2/NDF: 7514.0/29

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

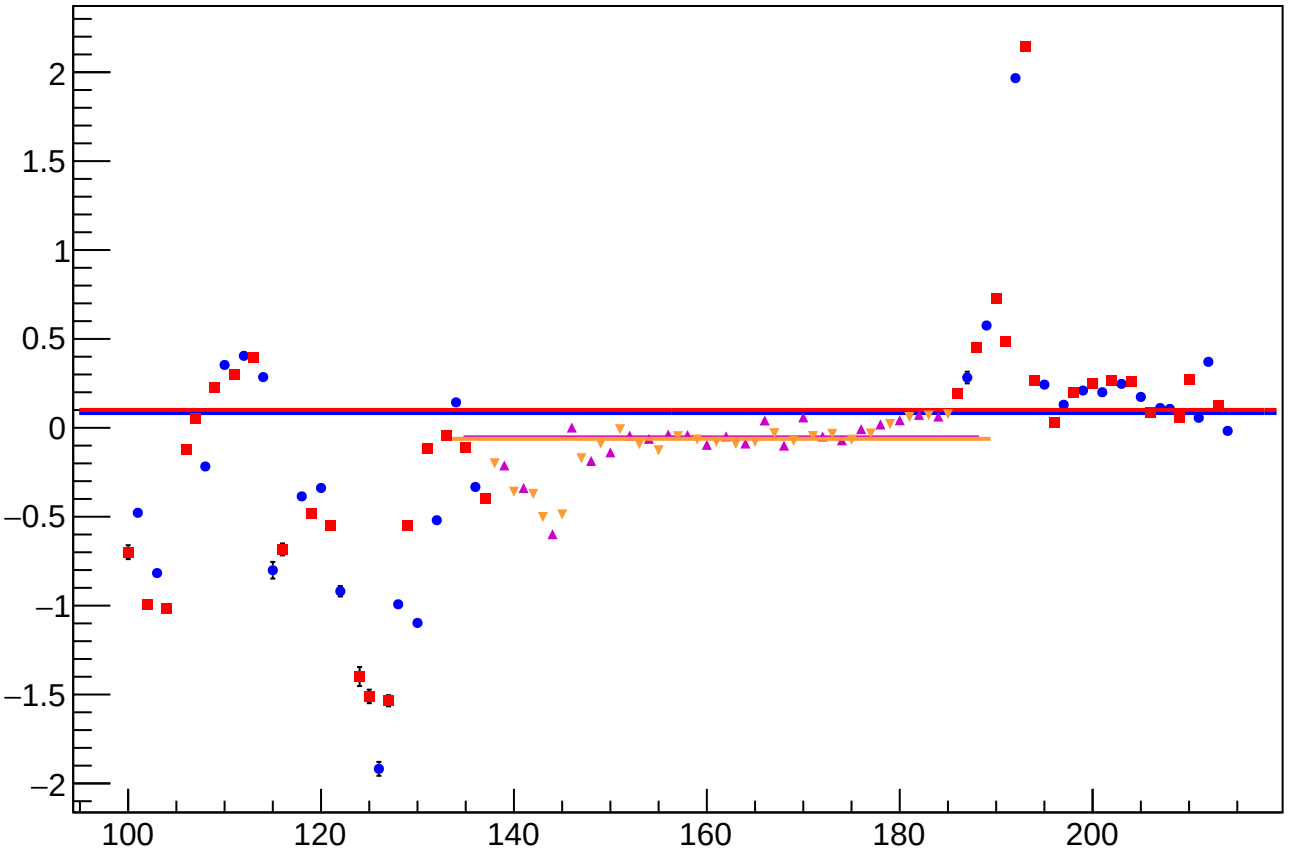
Right Out: -0.788+/-0.049 χ^2/NDF: 5659.7/33

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.098+/-0.030 χ^2/NDF: 14543.4/54

All: -1.043+/-0.021 χ^2/NDF: 27264.5/111

- sign -0.992+/-0.028 χ^2/NDF: 12714.3/56



Right In: 0.083+/-0.002 χ^2/NDF: 34450.3/29

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34838.6/33

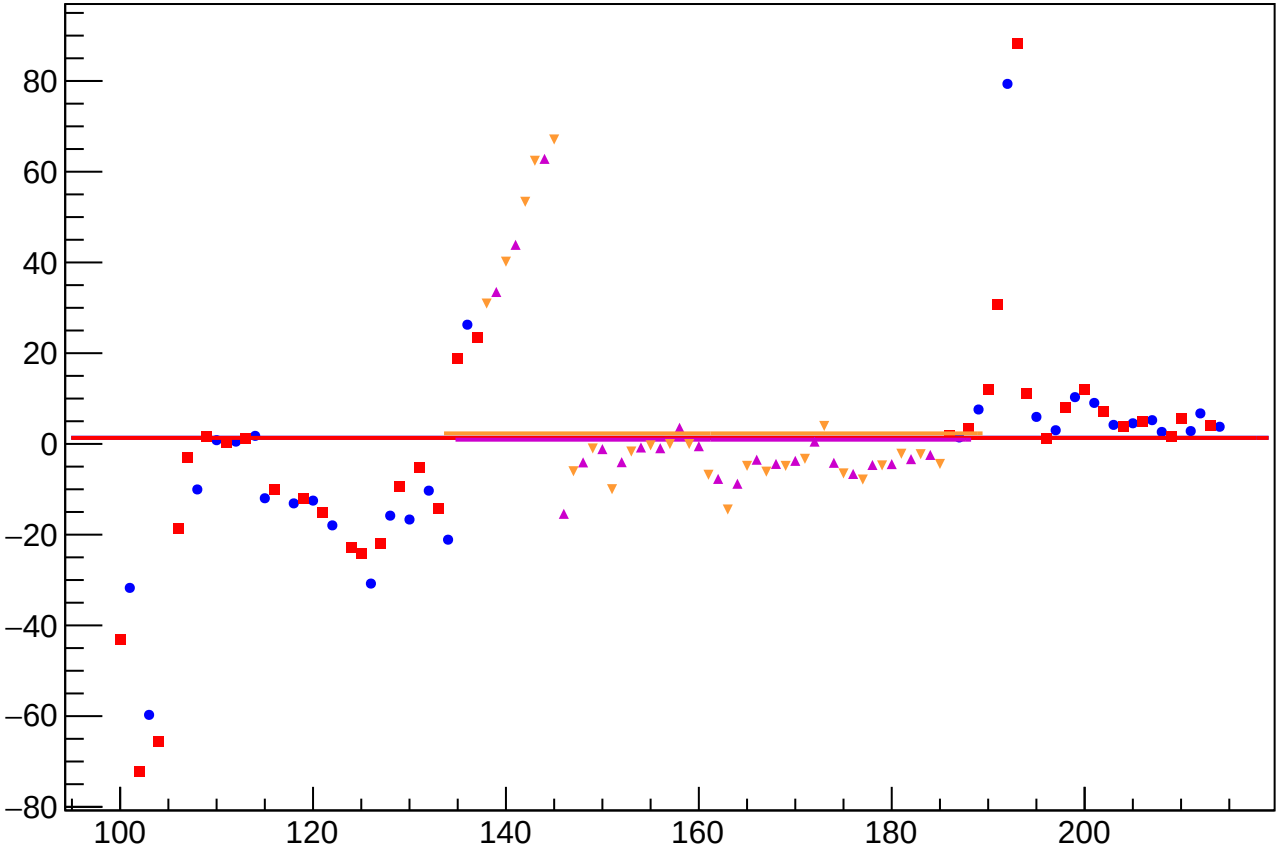
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.015+/-0.001 χ^2/NDF: 42859.1/54

All: -0.011+/-0.001 χ^2/NDF: 86025.6/111

- sign -0.007+/-0.001 χ^2/NDF: 43145.2/56

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.358+/-0.036 χ^2/NDF: 121563.9/29

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.327+/-0.033 χ^2/NDF: 122423.0/33

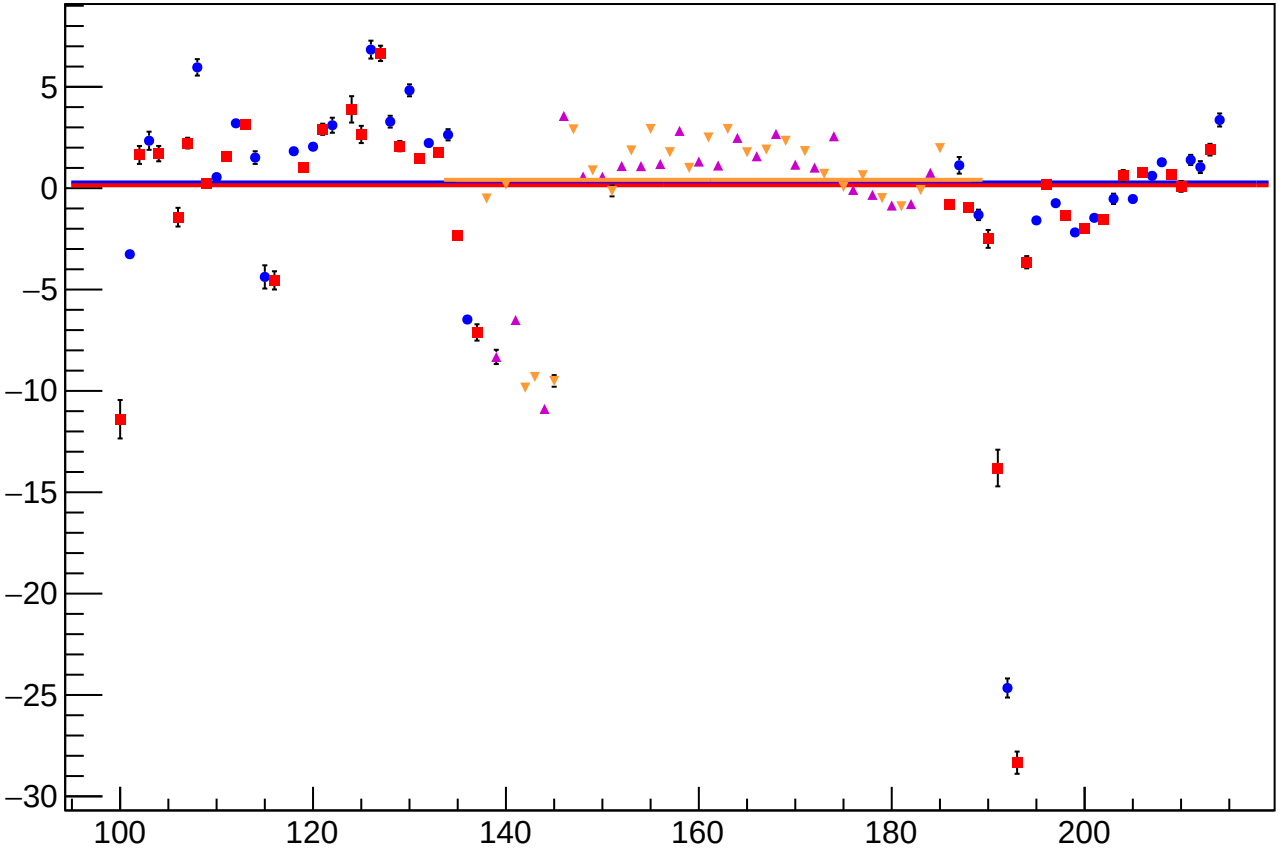
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.782+/-0.027 χ^2/NDF: 298630.0/54

All: 1.459+/-0.018 χ^2/NDF: 553794.3/111

- sign 1.170+/-0.025 χ^2/NDF: 254886.4/56

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.283+/-0.045 χ^2/NDF: 6111.4/29

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.145+/-0.043 χ^2/NDF: 5298.8/33

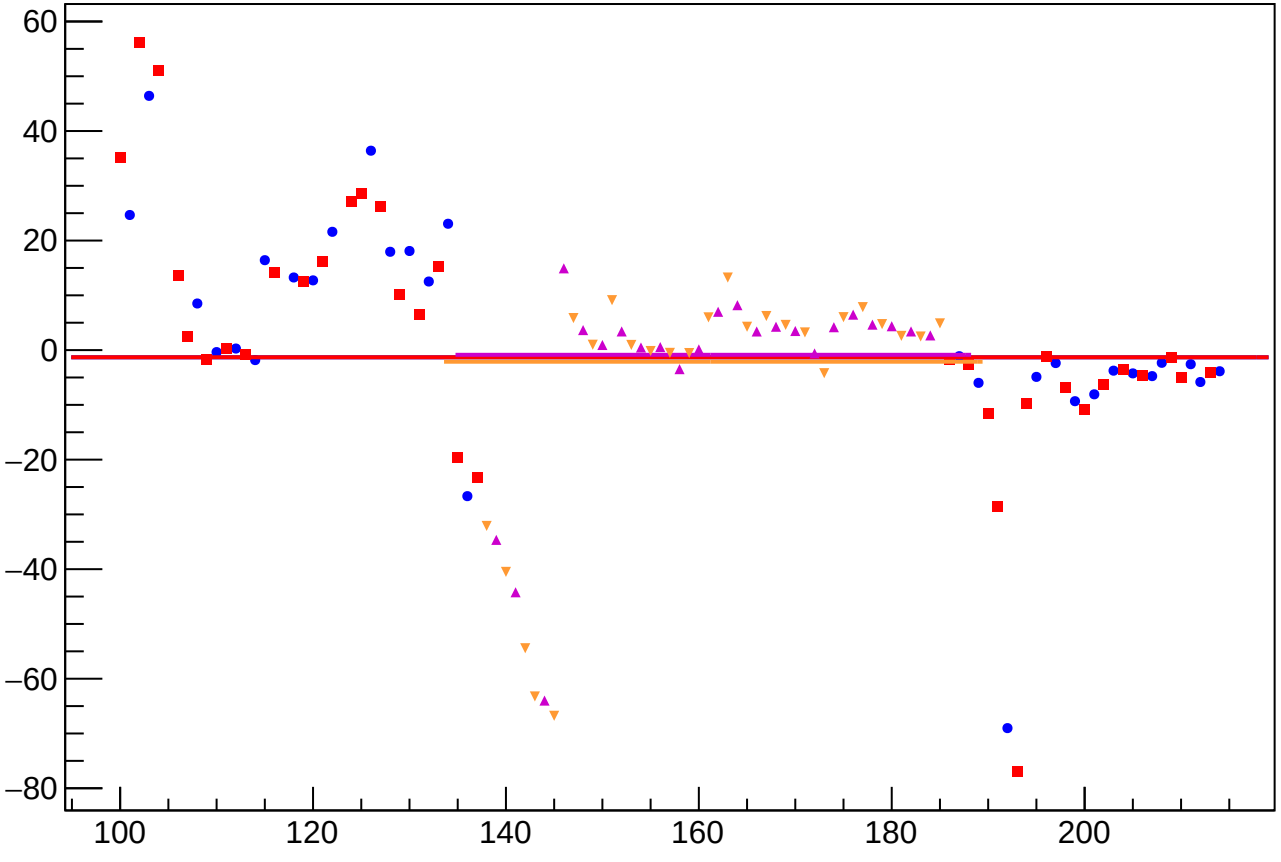
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.368+/-0.026 χ^2/NDF: 13164.2/54

All: 0.334+/-0.018 χ^2/NDF: 25601.8/111

- sign 0.303+/-0.025 χ^2/NDF: 12434.4/56

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.318+/-0.037 χ^2/NDF: 119917.4/29

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.308+/-0.034 χ^2/NDF: 120390.2/33

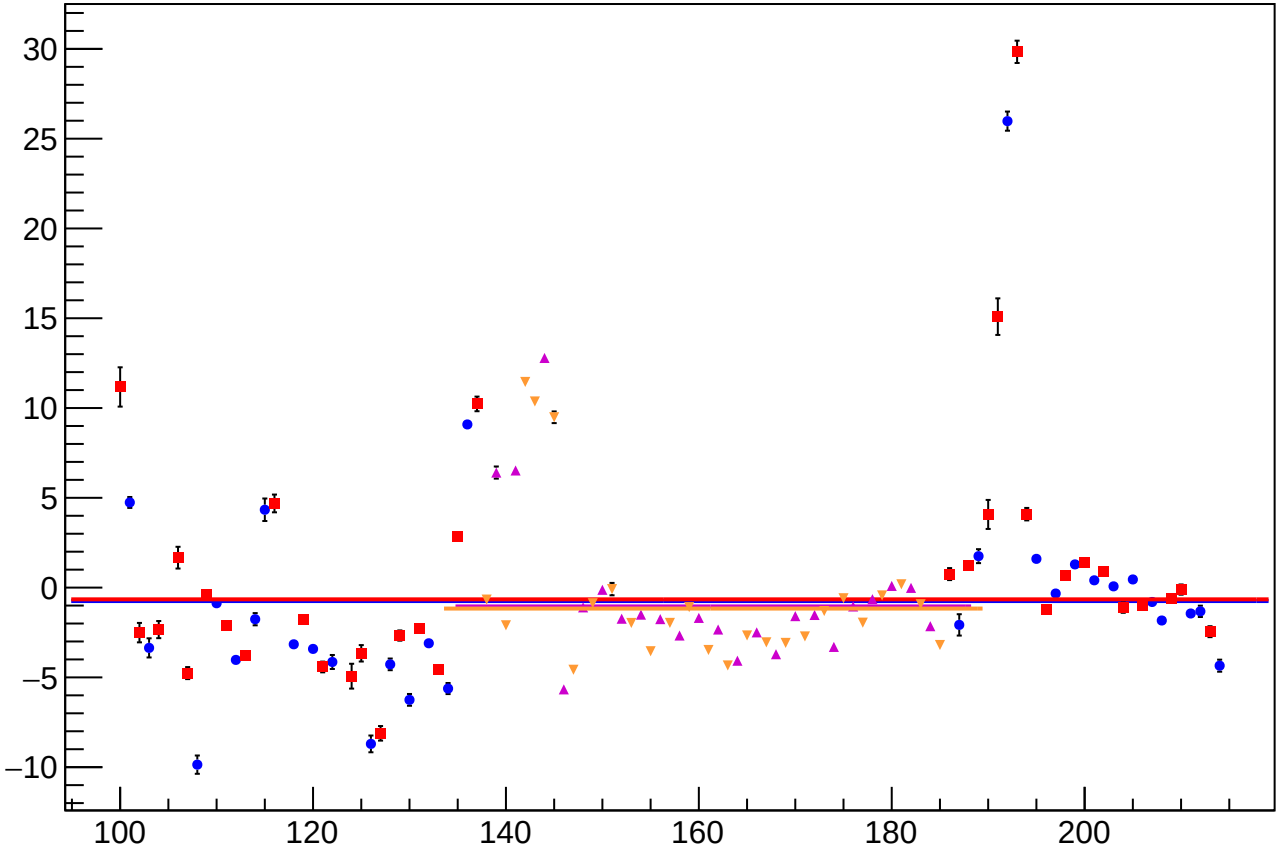
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.685+/-0.027 χ^2/NDF: 291173.4/54

All: -1.385+/-0.019 χ^2/NDF: 540955.6/111

- sign -1.114+/-0.026 χ^2/NDF: 249549.6/56

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.749+/-0.051 χ^2/NDF: 7592.8/29

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.654+/-0.049 χ^2/NDF: 5805.0/33

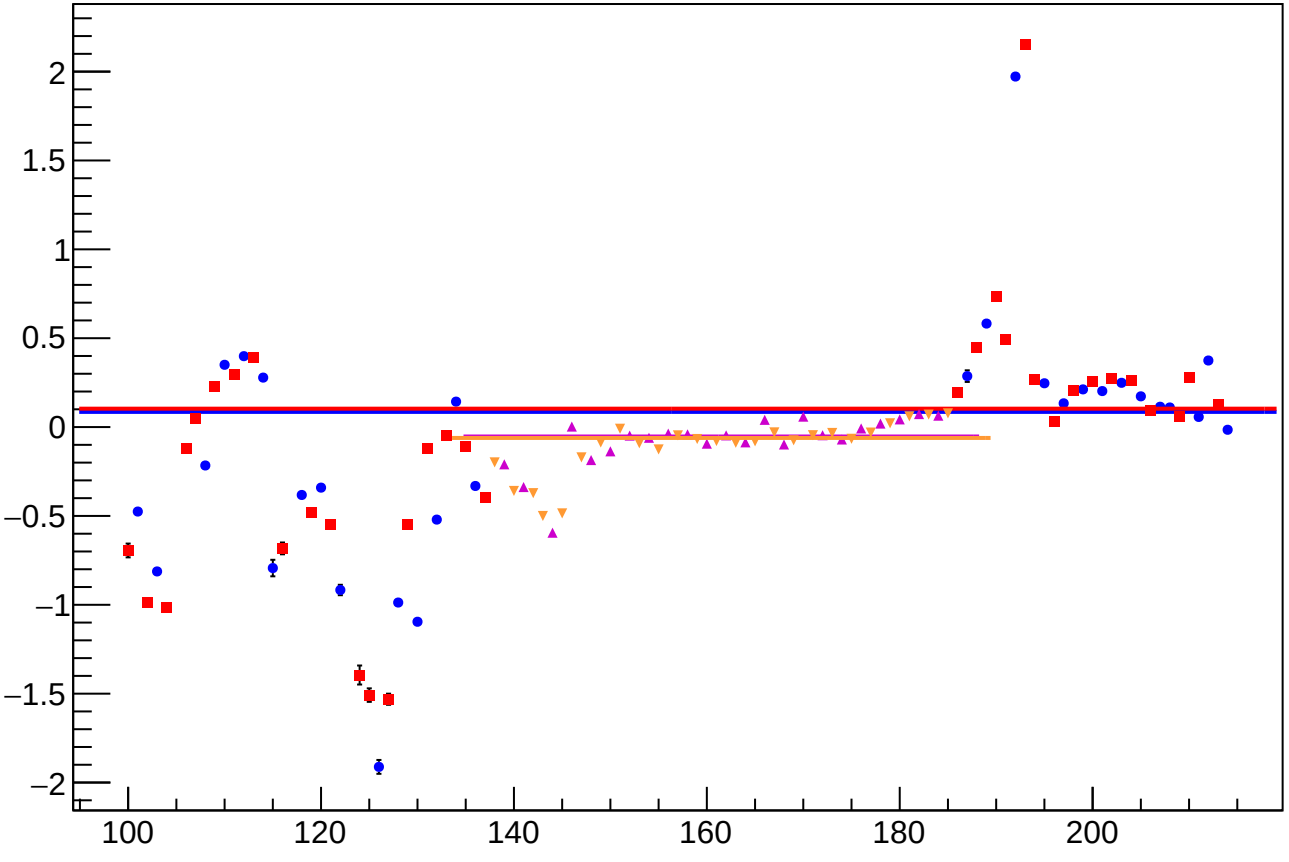
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.028+/-0.030 χ^2/NDF: 14638.7/54

All: -0.970+/-0.020 χ^2/NDF: 27534.9/111

- sign -0.917+/-0.028 χ^2/NDF: 12888.8/56

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.085+/-0.002 χ^2/NDF: 34728.0/29

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.104+/-0.002 χ^2/NDF: 35153.3/33

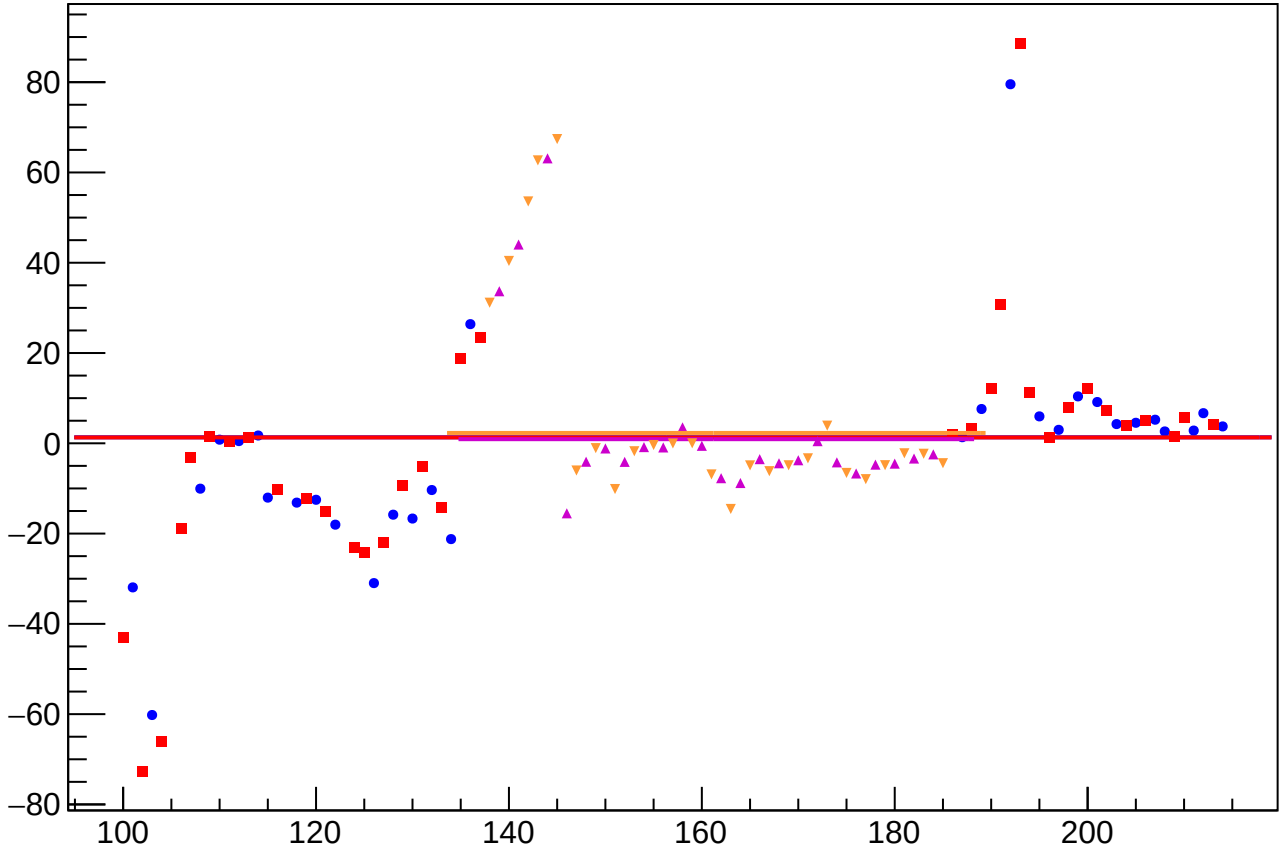
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.014+/-0.001 χ^2/NDF: 43243.6/54

All: -0.009+/-0.001 χ^2/NDF: 86819.3/111

- sign -0.005+/-0.001 χ^2/NDF: 43551.9/56

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.328+/-0.036 χ^2/NDF: 121583.7/29

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.300+/-0.033 χ^2/NDF: 122423.6/33

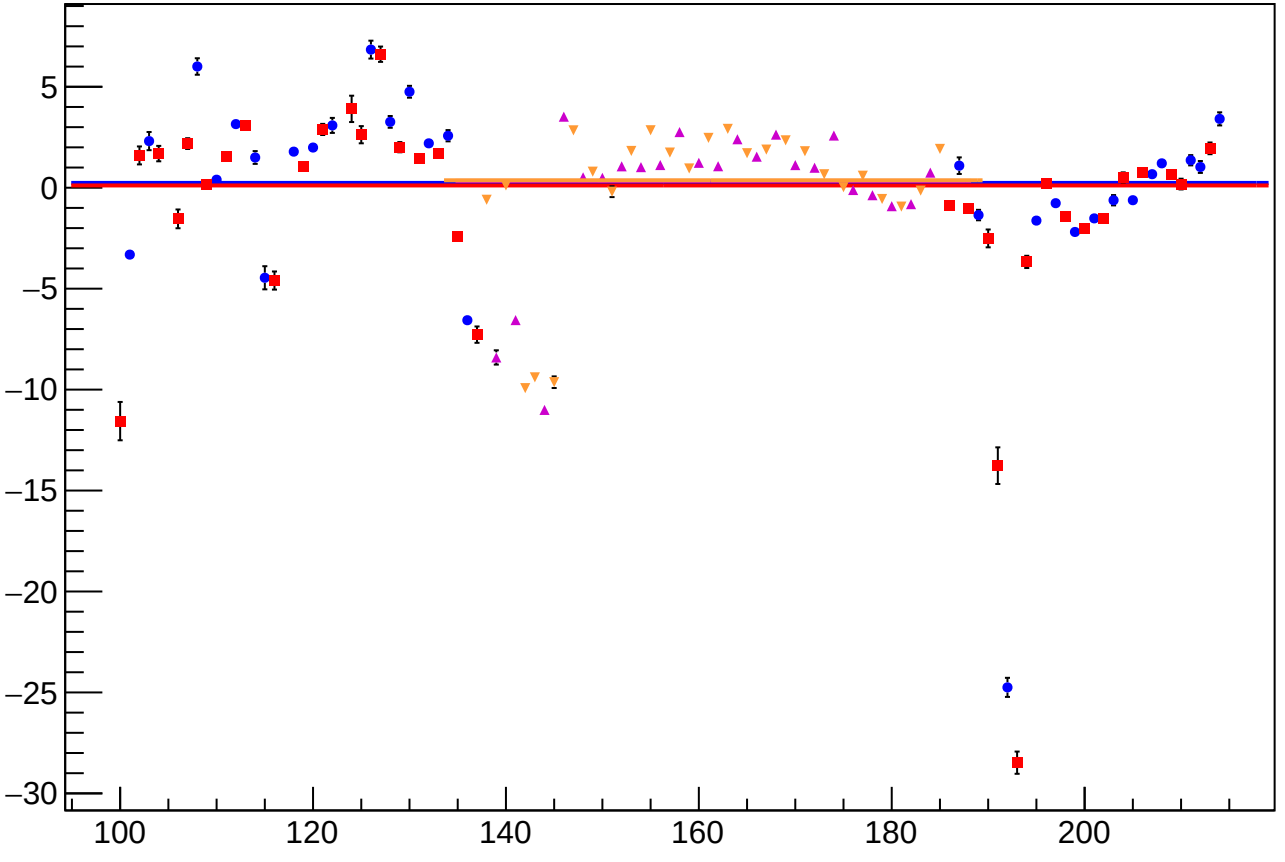
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.756+/-0.027 χ^2/NDF: 299091.7/54

All: 1.433+/-0.018 χ^2/NDF: 554420.7/111

- sign 1.144+/-0.025 χ^2/NDF: 255053.7/56

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.239+/-0.045 χ^2/NDF: 6102.7/29

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.113+/-0.043 χ^2/NDF: 5296.3/33

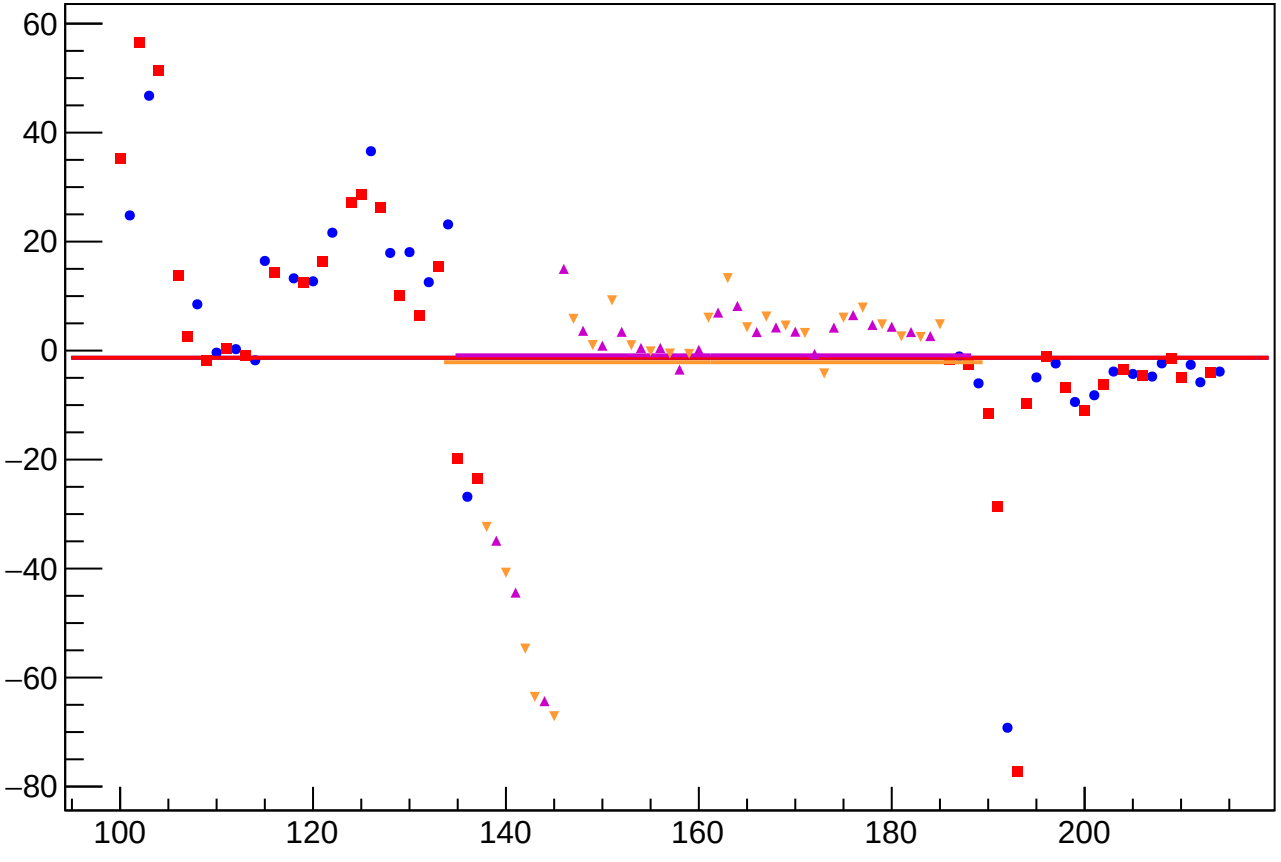
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.323+/-0.027 χ^2/NDF: 13176.0/54

All: 0.289+/-0.018 χ^2/NDF: 25587.5/111

- sign 0.258+/-0.025 χ^2/NDF: 12408.4/56

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.319+/-0.037 χ^2/NDF: 119956.0/29

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.310+/-0.034 χ^2/NDF: 120422.6/33

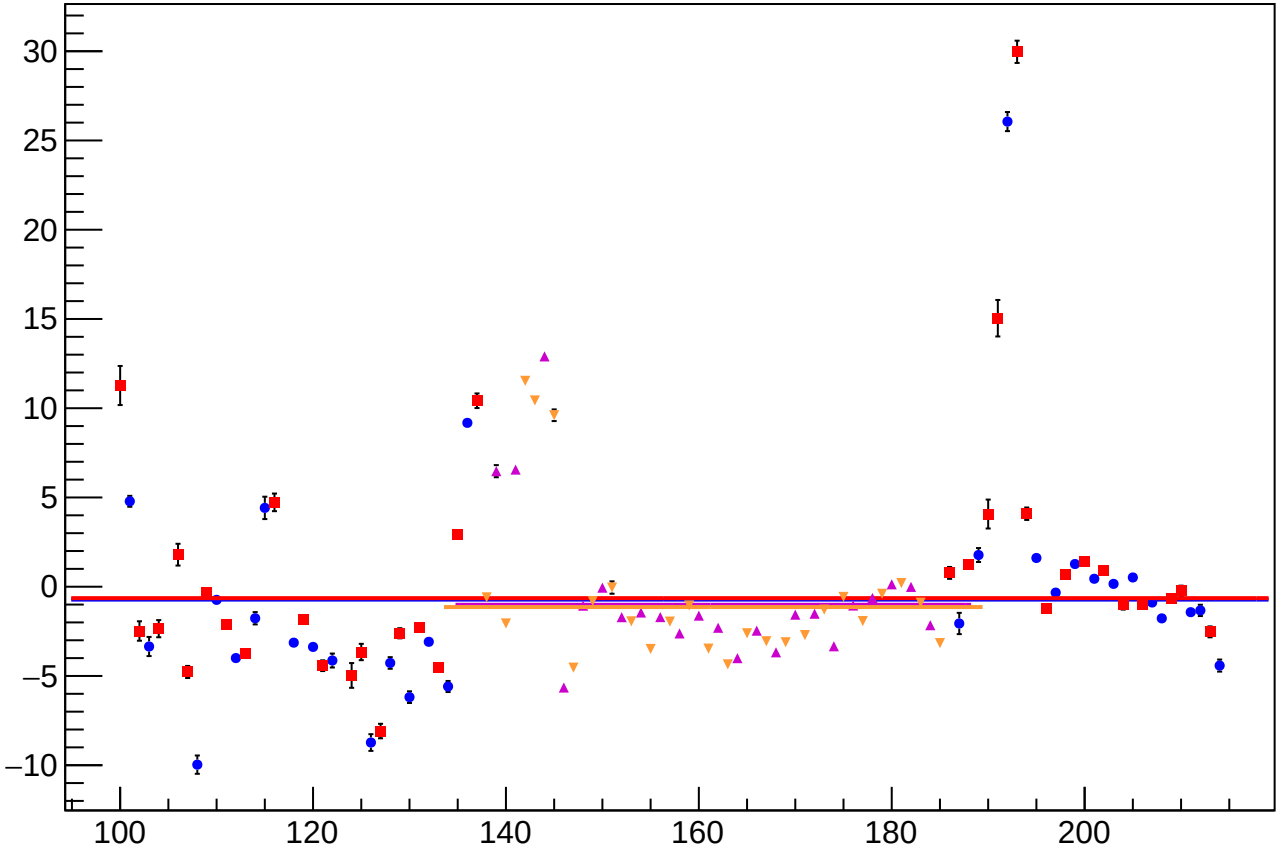
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.693+/-0.027 χ^2/NDF: 291643.6/54

All: -1.392+/-0.019 χ^2/NDF: 541631.3/111

- sign -1.120+/-0.026 χ^2/NDF: 249756.3/56

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.722+/-0.052 χ^2/NDF: 7592.2/29

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.641+/-0.049 χ^2/NDF: 5811.6/33

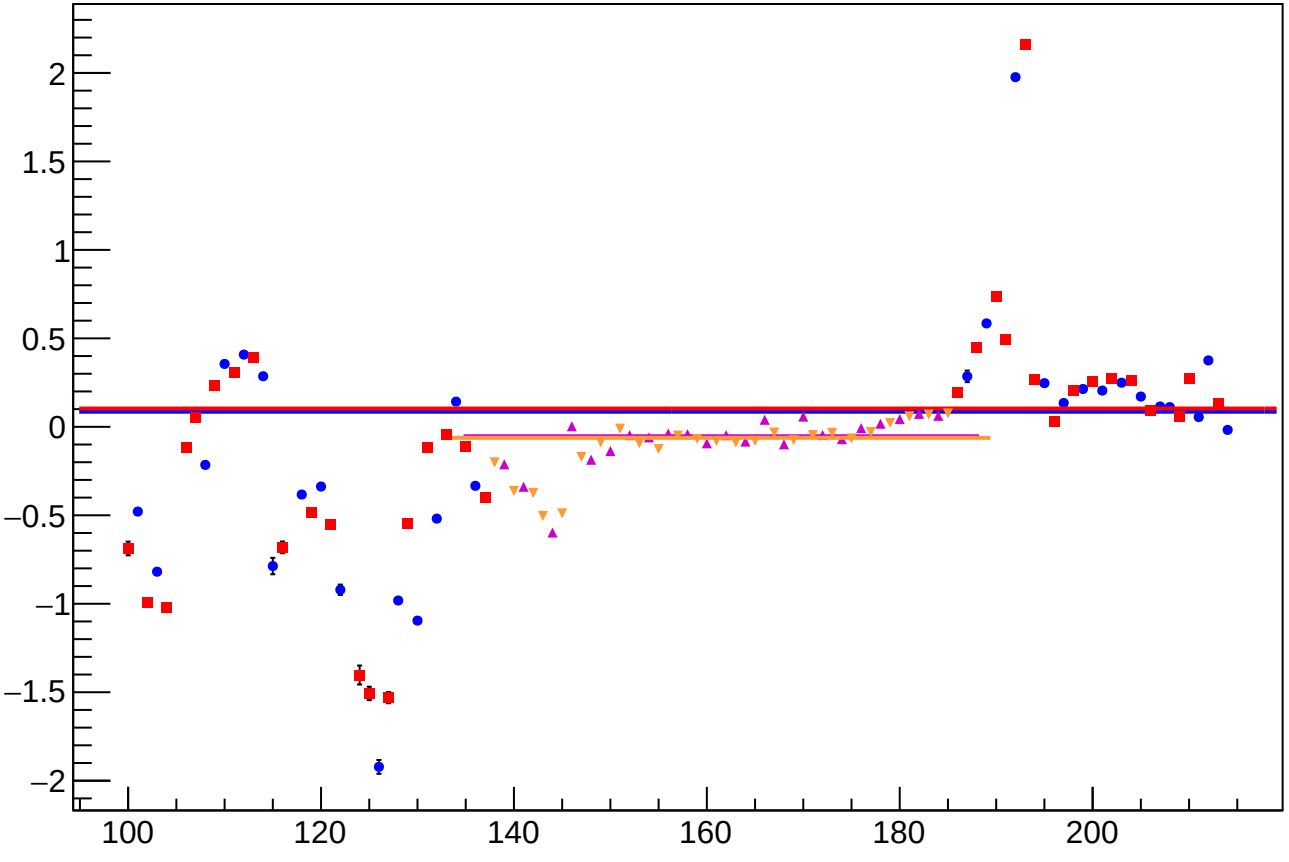
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.001+/-0.030 χ^2/NDF: 14659.0/54

All: -0.943+/-0.021 χ^2/NDF: 27543.2/111

- sign -0.889+/-0.028 χ^2/NDF: 12876.8/56

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.086+/-0.002 χ^2/NDF: 34720.2/29

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.103+/-0.002 χ^2/NDF: 35108.7/33

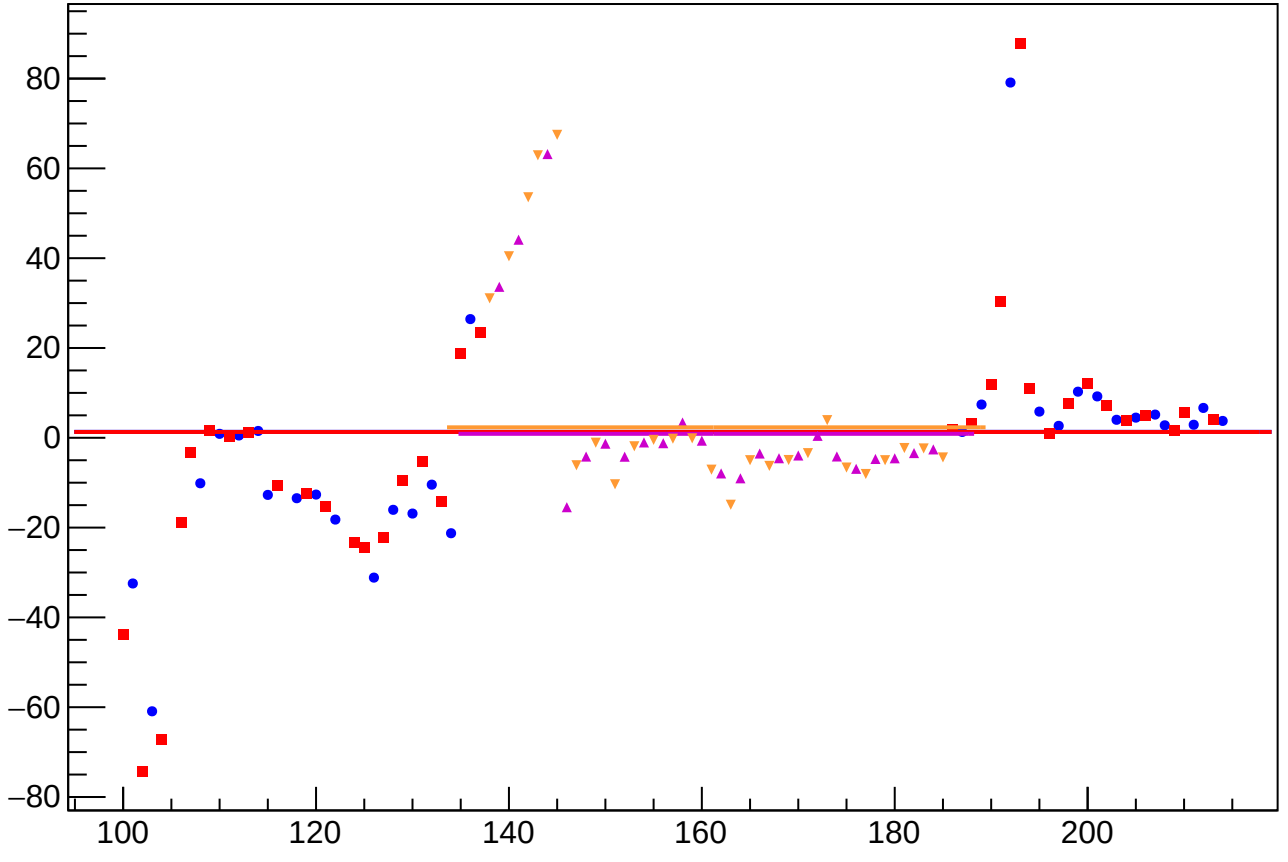
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.015+/-0.001 χ^2/NDF: 43249.3/54

All: -0.010+/-0.001 χ^2/NDF: 86741.1/111

- sign -0.005+/-0.001 χ^2/NDF: 43465.9/56

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.325+/-0.036 χ^2/NDF: 119729.5/29

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.298+/-0.033 χ^2/NDF: 120781.7/33

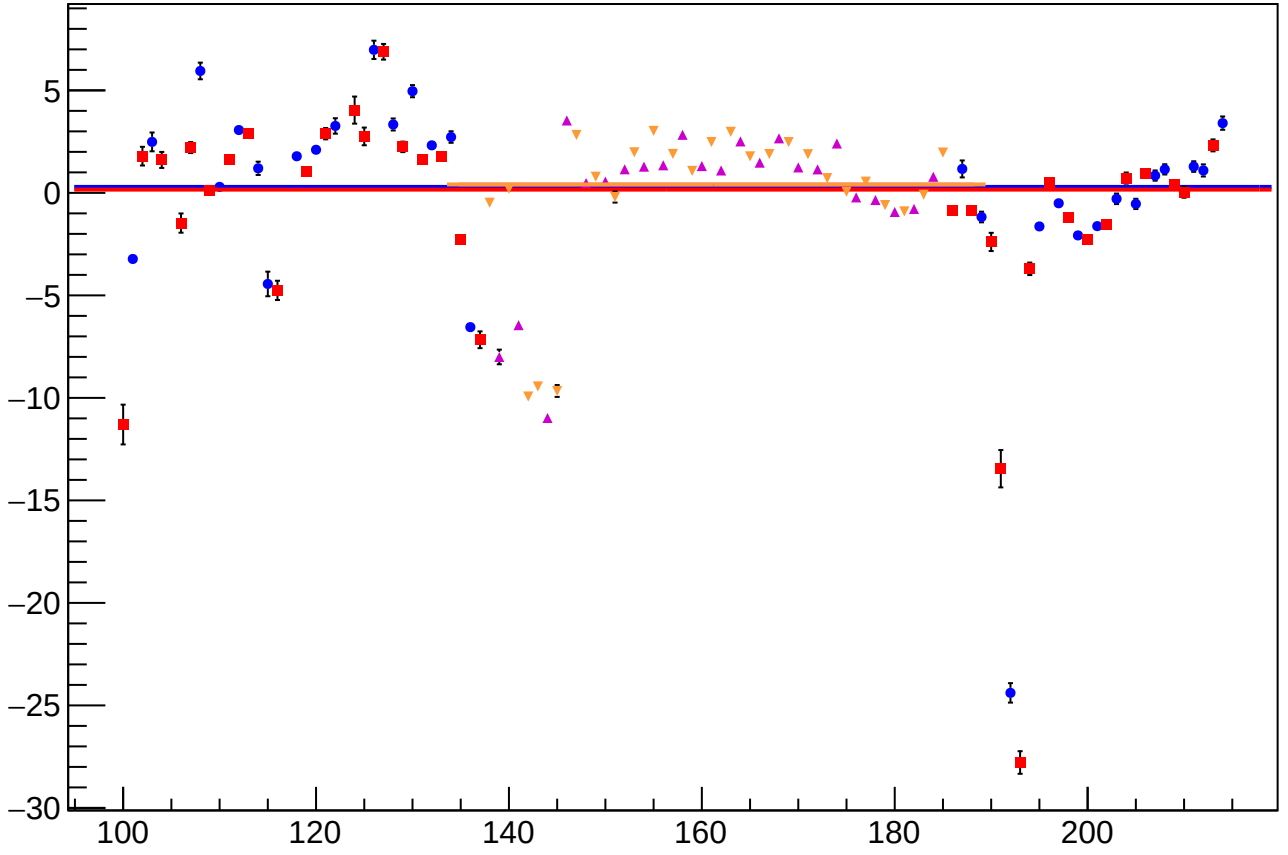
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.766+/-0.027 χ^2/NDF: 294712.1/54

All: 1.432+/-0.019 χ^2/NDF: 546256.5/111

- sign 1.134+/-0.026 χ^2/NDF: 251260.1/56

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.291+/-0.045 χ^2/NDF: 5931.3/29

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.159+/-0.043 χ^2/NDF: 5115.6/33

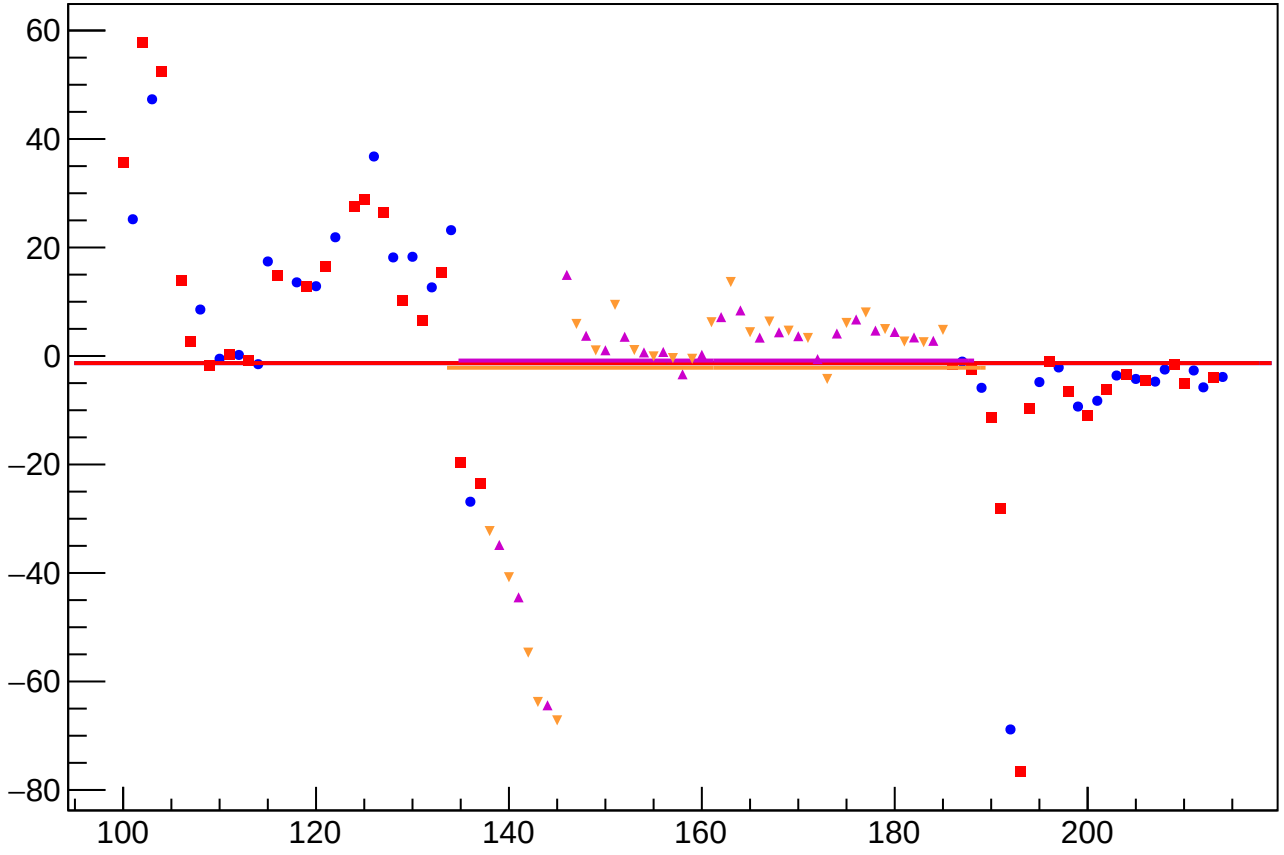
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.368+/-0.027 χ^2/NDF: 12983.7/54

All: 0.339+/-0.019 χ^2/NDF: 25052.9/111

- sign 0.312+/-0.026 χ^2/NDF: 12067.0/56

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.318+/-0.037 χ^2/NDF: 118139.6/29

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.310+/-0.035 χ^2/NDF: 118791.9/33

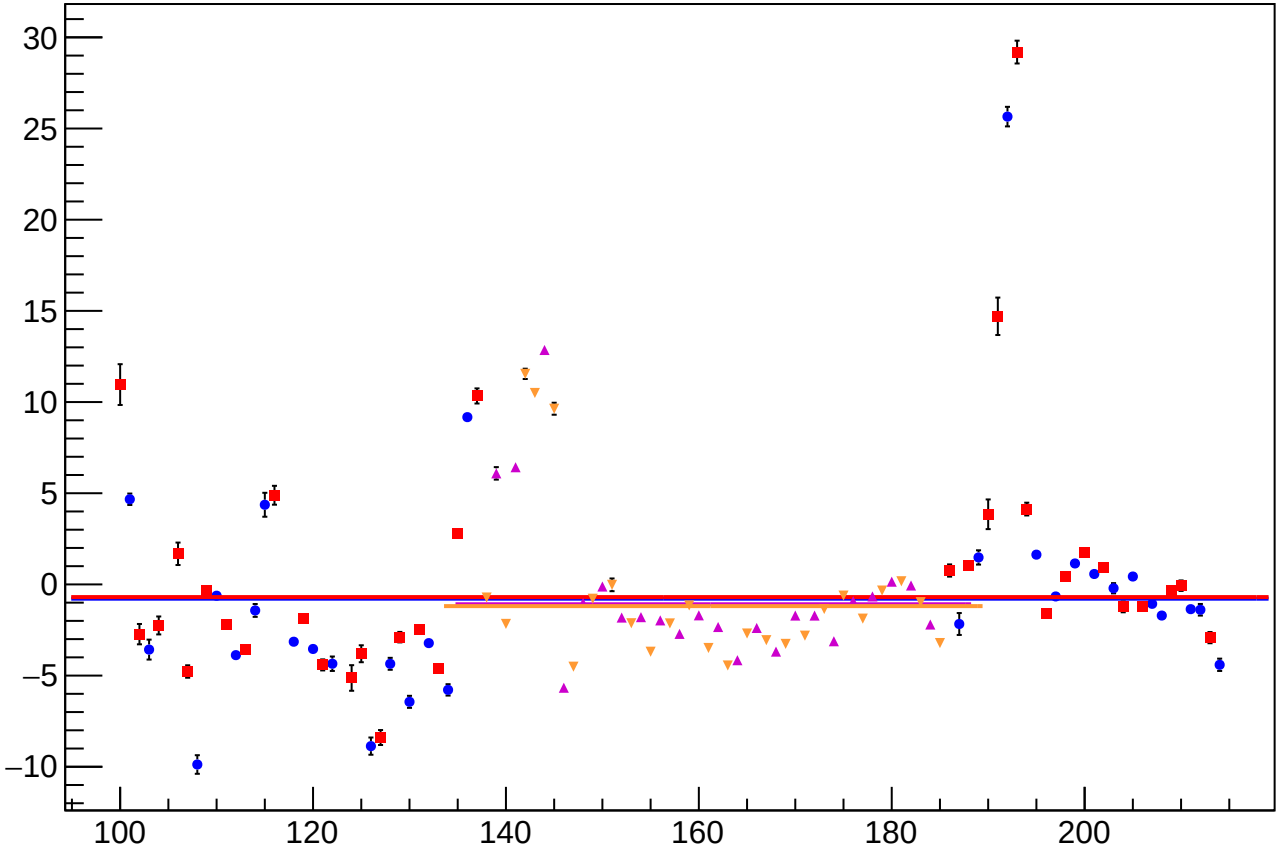
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.702+/-0.028 χ^2/NDF: 287361.0/54

All: -1.391+/-0.019 χ^2/NDF: 533606.5/111

- sign -1.109+/-0.026 χ^2/NDF: 246004.3/56

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.782+/-0.052 χ^2/NDF: 7419.3/29

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

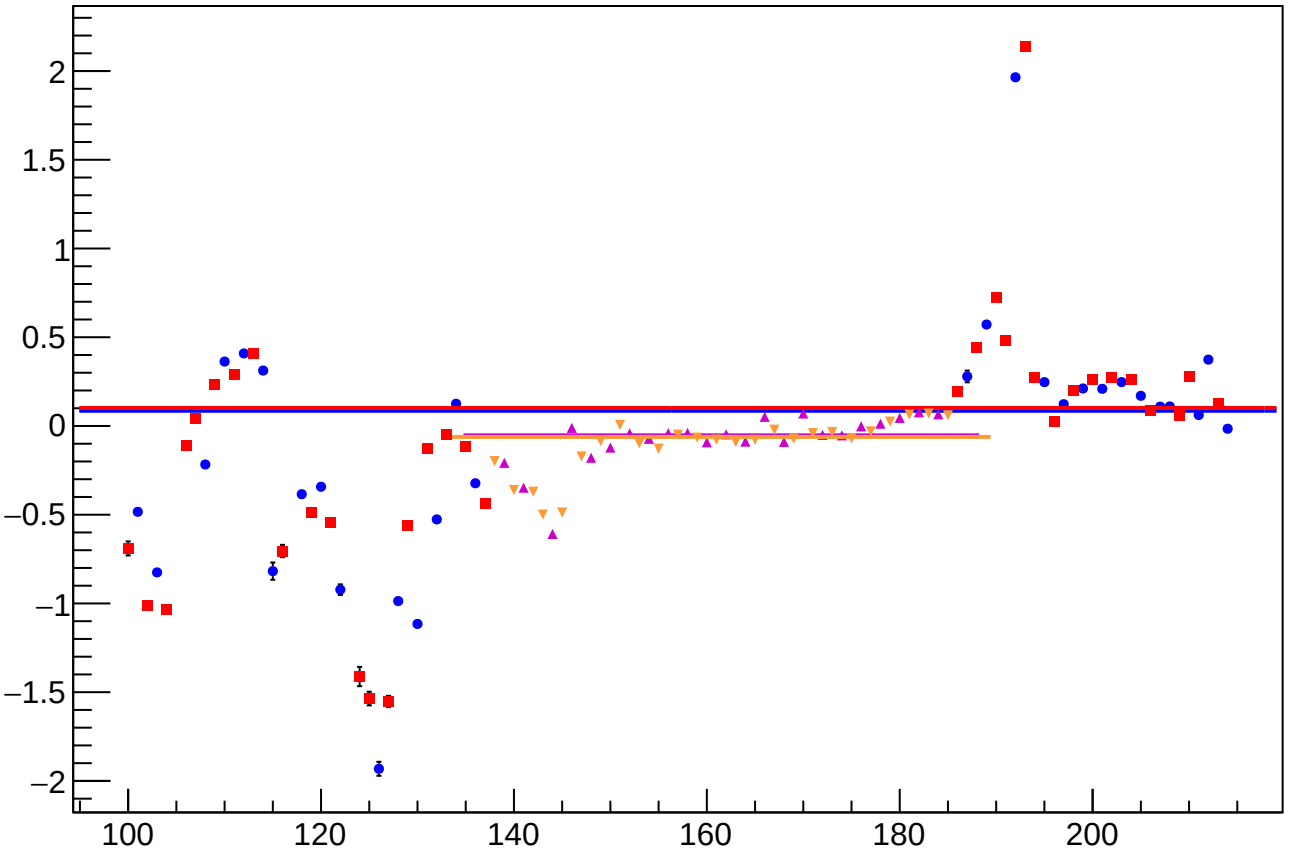
Right Out: -0.695+/-0.050 χ^2/NDF: 5644.1/33

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.054+/-0.030 χ^2/NDF: 14455.9/54

All: -1.003+/-0.021 χ^2/NDF: 26987.3/111

- sign -0.957+/-0.029 χ^2/NDF: 12526.0/56



Right In: 0.086+/-0.002 χ^2/NDF: 33979.8/29

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.101+/-0.002 χ^2/NDF: 34679.2/33

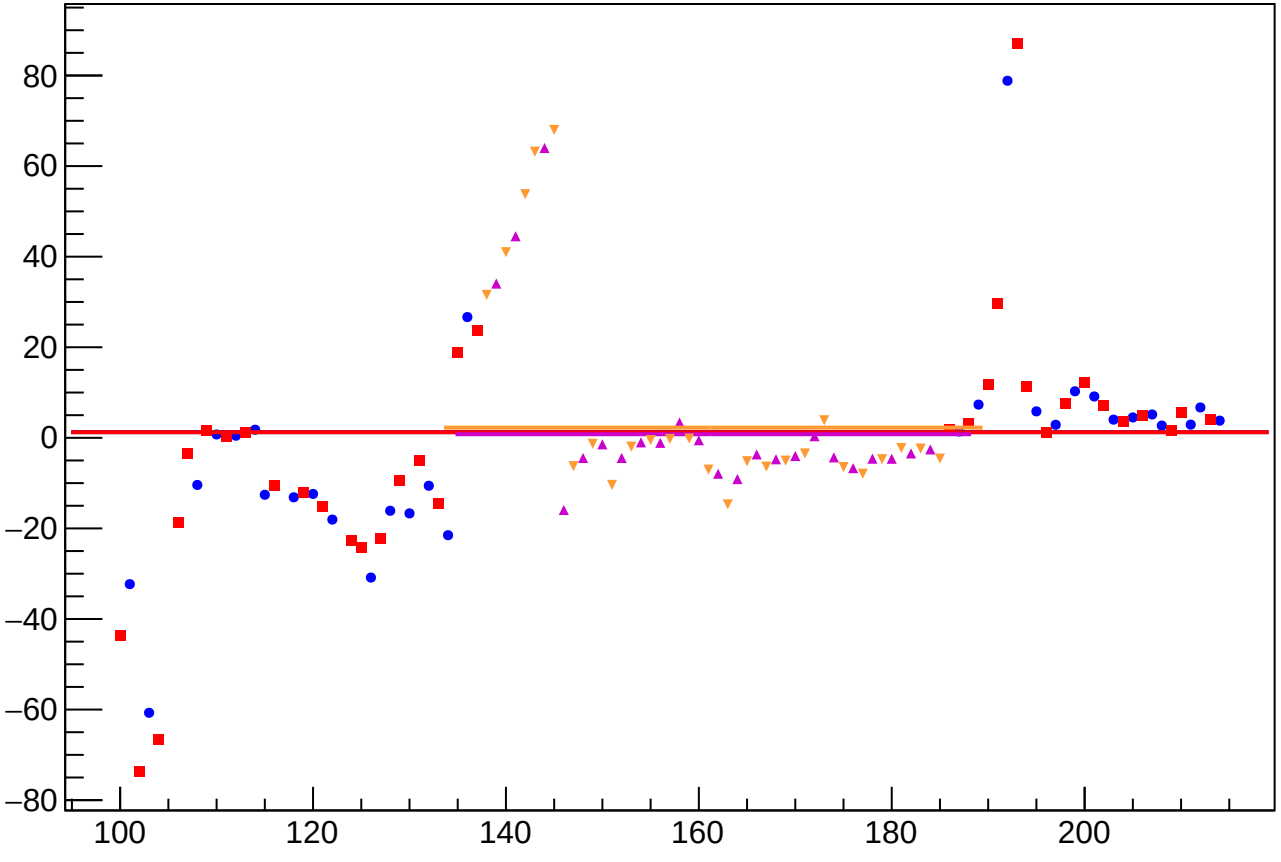
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.013+/-0.001 χ^2/NDF: 42261.4/54

All: -0.009+/-0.001 χ^2/NDF: 85168.5/111

- sign -0.005+/-0.001 χ^2/NDF: 42885.0/56

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.265+/-0.037 χ^2/NDF: 118073.8/29

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.239+/-0.034 χ^2/NDF: 118623.2/33

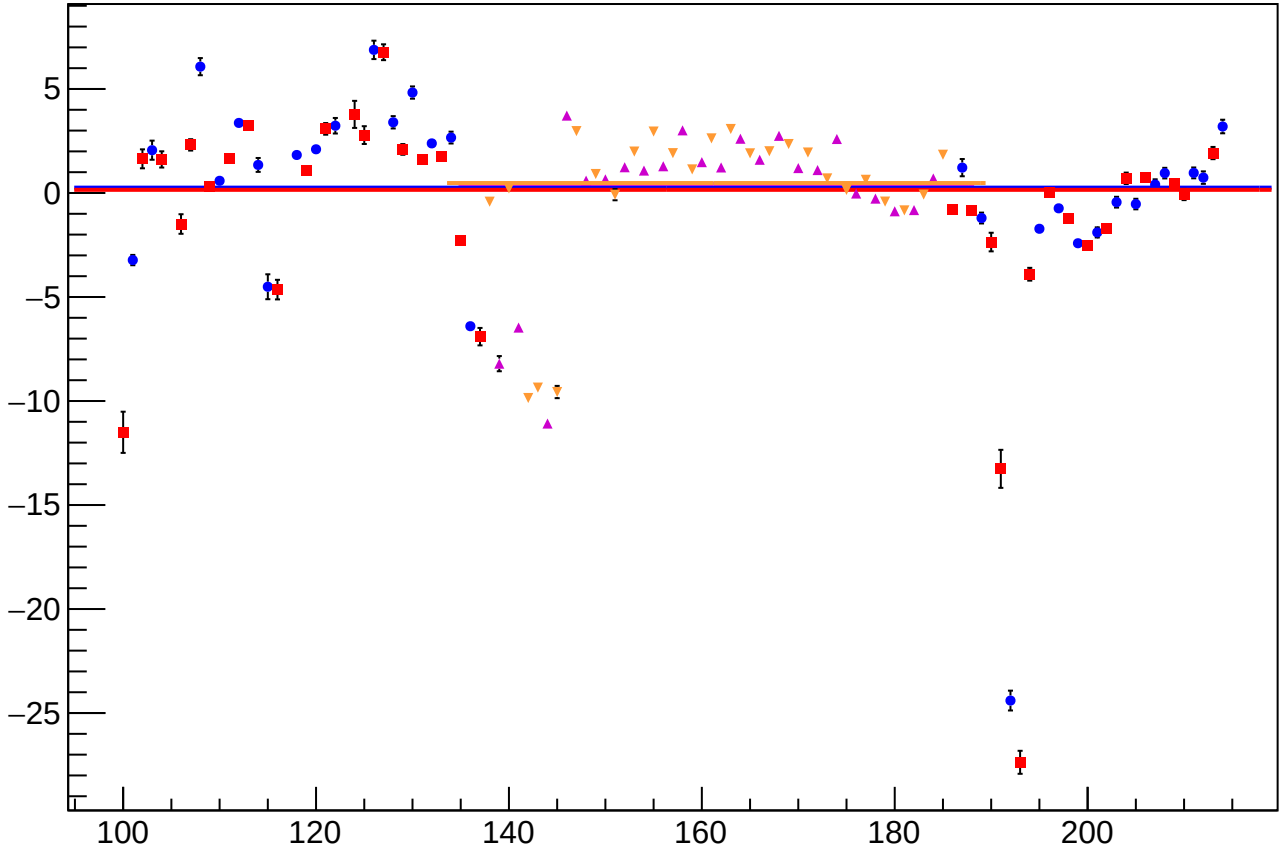
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.702+/-0.028 χ^2/NDF: 290062.8/54

All: 1.364+/-0.019 χ^2/NDF: 537870.2/111

- sign 1.059+/-0.026 χ^2/NDF: 247521.4/56

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.257+/-0.046 χ^2/NDF: 5884.6/29

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.152+/-0.044 χ^2/NDF: 5012.4/33

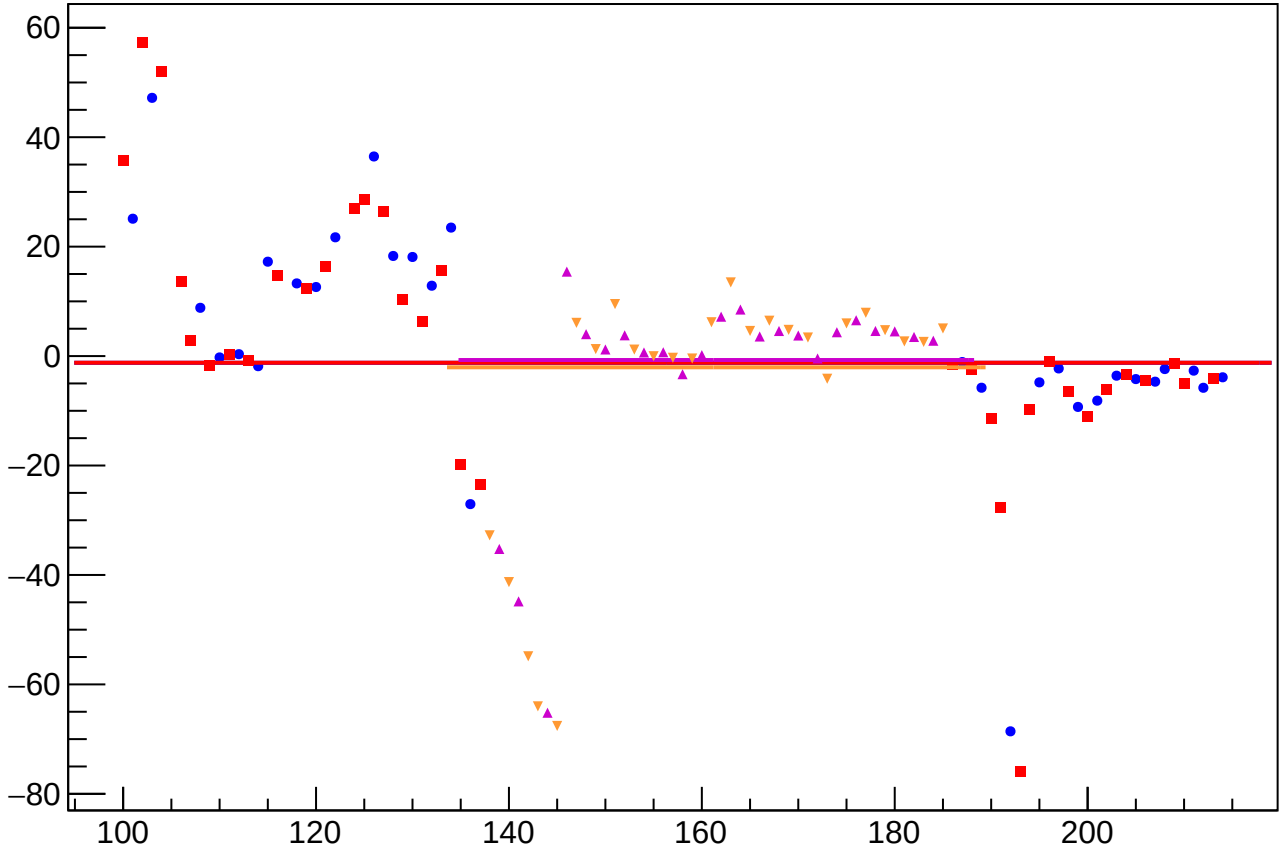
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.401+/-0.027 χ^2/NDF: 12707.7/54

All: 0.368+/-0.019 χ^2/NDF: 24644.5/111

- sign 0.338+/-0.026 χ^2/NDF: 11934.0/56

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.229+/-0.038 χ^2/NDF: 116453.0/29

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.215+/-0.035 χ^2/NDF: 116666.9/33

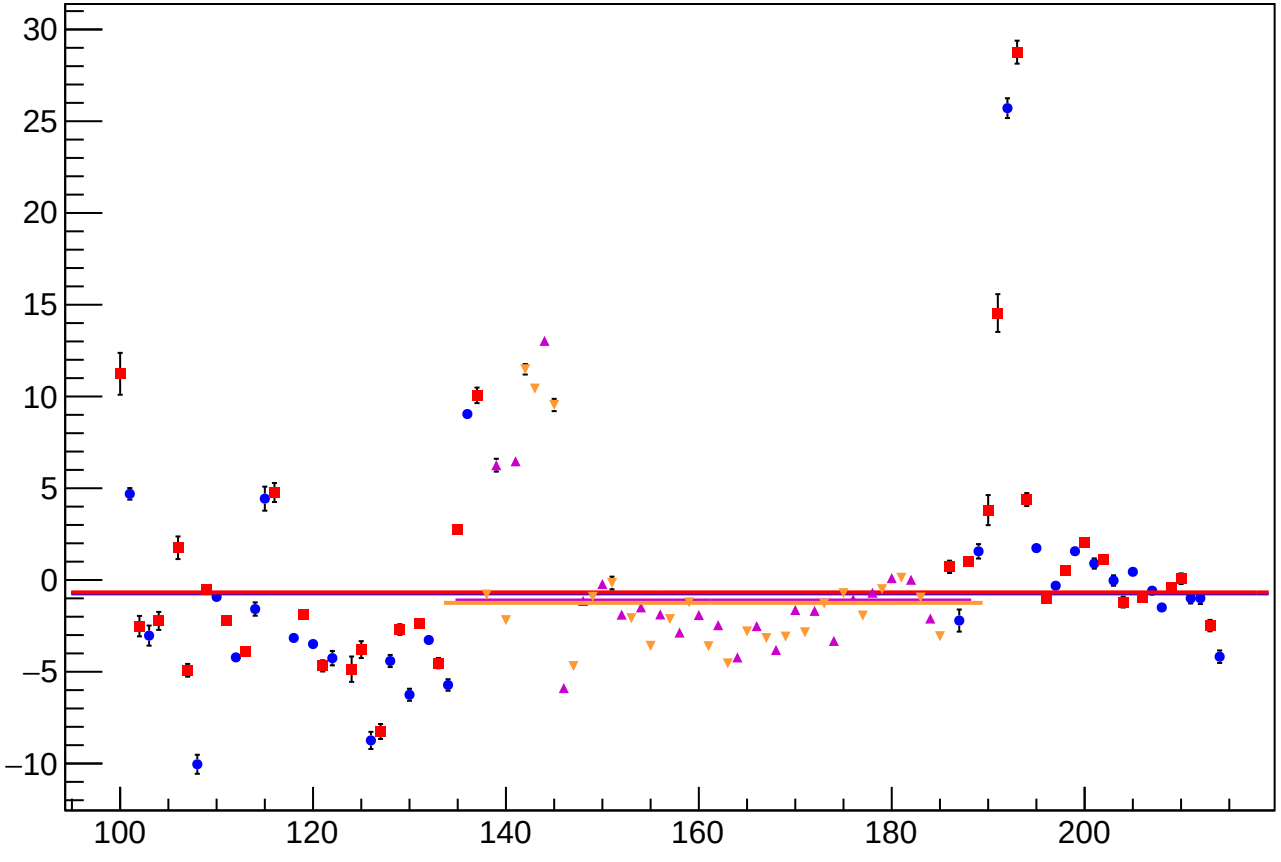
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.604+/-0.028 χ^2/NDF: 282676.4/54

All: -1.288+/-0.019 χ^2/NDF: 525202.2/111

- sign -1.002+/-0.027 χ^2/NDF: 242282.7/56

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.727+/-0.053 χ^2/NDF: 7288.3/29

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

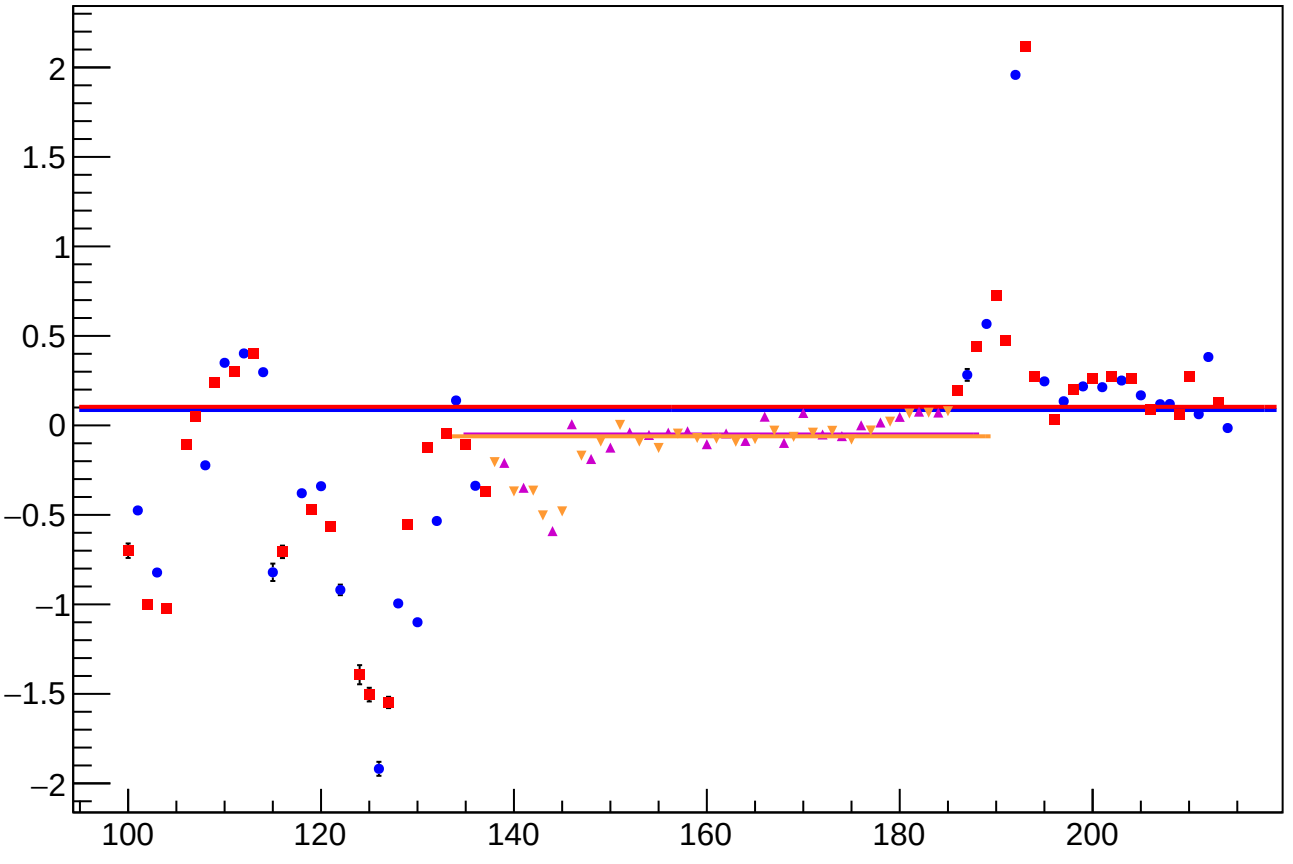
Right Out: -0.675+/-0.051 χ^2/NDF: 5497.5/33

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.072+/-0.030 χ^2/NDF: 14121.0/54

All: -1.019+/-0.021 χ^2/NDF: 26515.1/111

- sign -0.969+/-0.029 χ^2/NDF: 12388.3/56



Right In: 0.086+/-0.002 χ^2/NDF: 33660.5/29

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

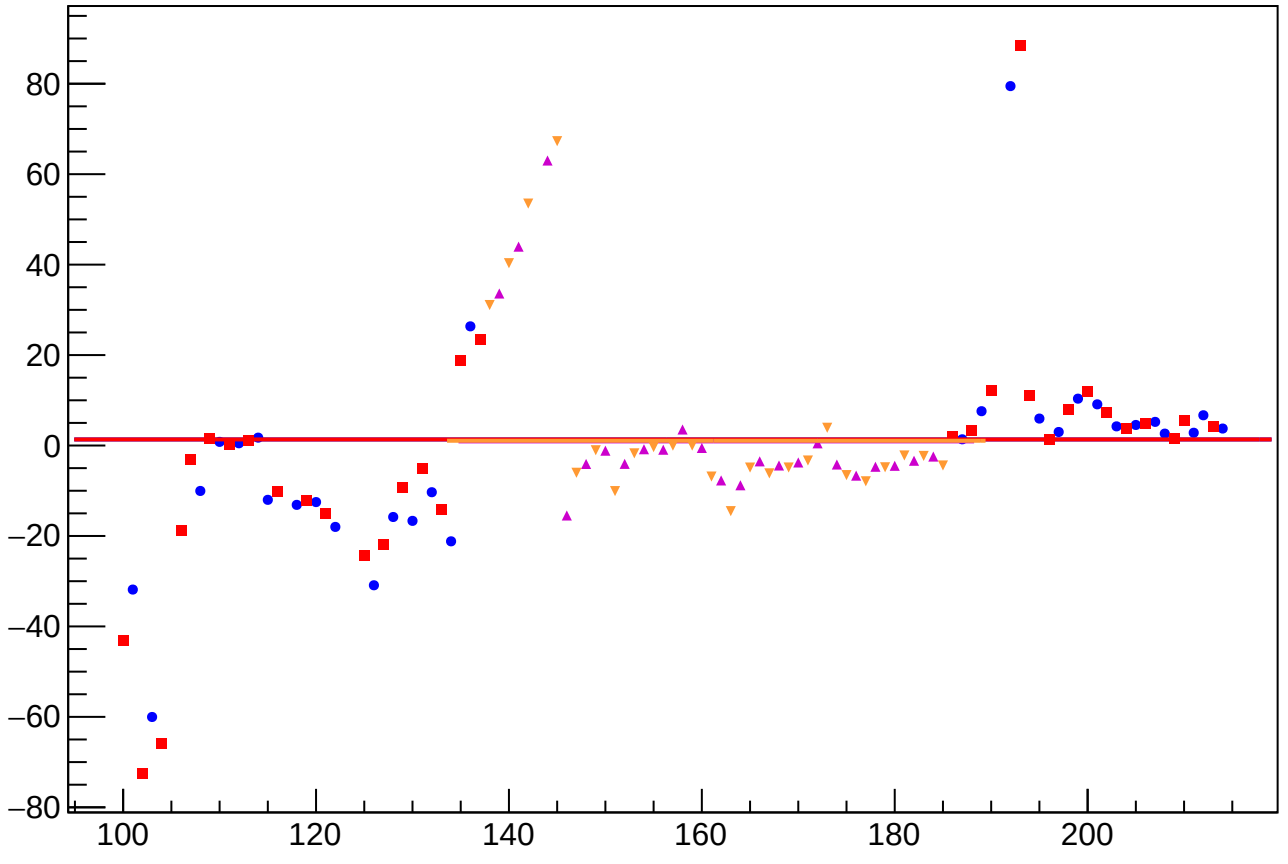
Right Out: 0.104+/-0.002 χ^2/NDF: 33741.4/33

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.013+/-0.001 χ^2/NDF: 41775.2/54

All: -0.008+/-0.001 χ^2/NDF: 83524.8/111

- sign -0.003+/-0.001 χ^2/NDF: 41719.4/56



Right In: 1.341+/-0.036 χ^2/NDF: 121798.7/29

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

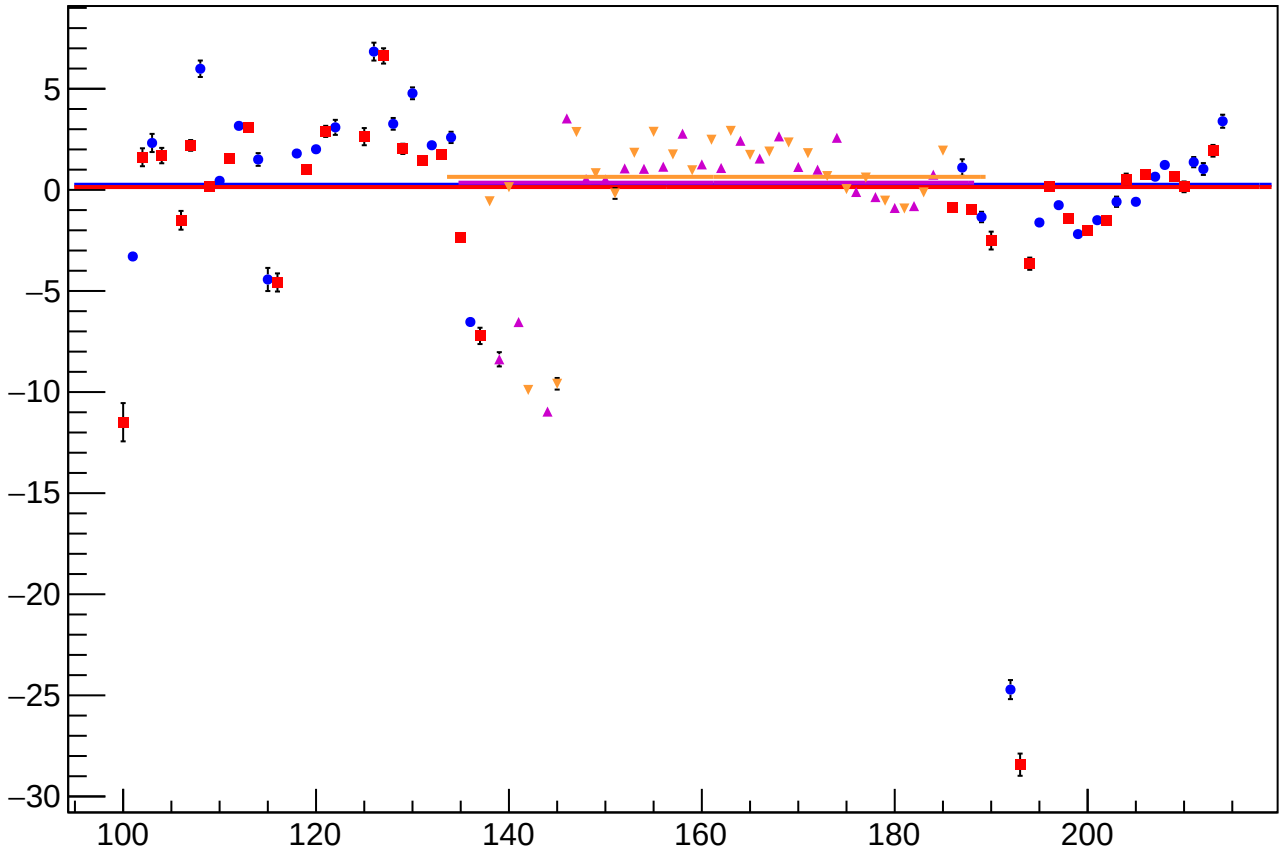
Right Out: 1.345+/-0.033 χ^2/NDF: 119709.0/31

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.215+/-0.027 χ^2/NDF: 252858.0/53

All: 1.192+/-0.018 χ^2/NDF: 505446.5/108

- sign 1.171+/-0.025 χ^2/NDF: 252587.1/54



Right In: 0.253+/-0.045 χ^2/NDF: 6117.3/29

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

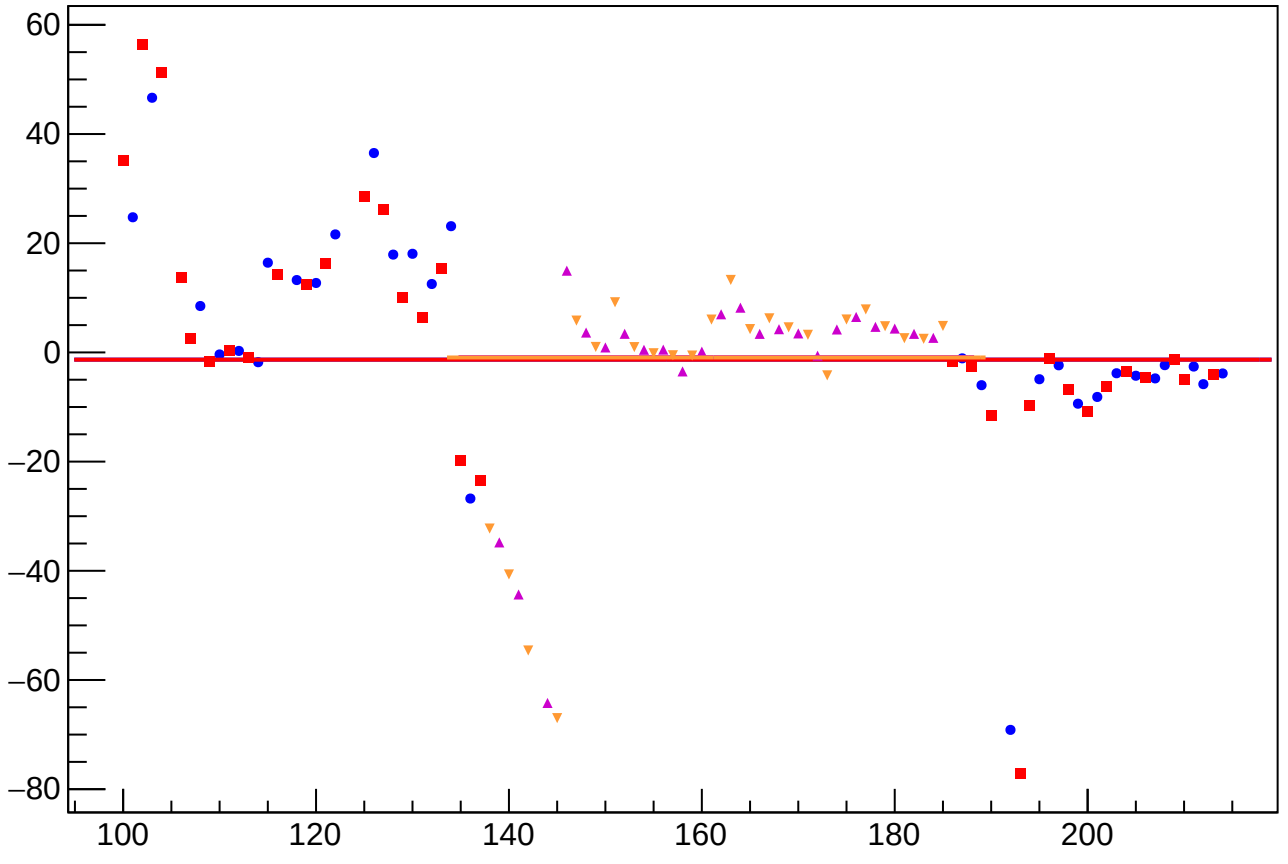
Right Out: 0.139+/-0.043 χ^2/NDF: 5037.5/31

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

\+ sign 0.505+/-0.027 χ^2/NDF: 10877.6/53

All: 0.386+/-0.018 χ^2/NDF: 23086.4/108

\- sign 0.280+/-0.025 χ^2/NDF: 12171.2/54



Right In: -1.322+/-0.037 χ^2/NDF: 120161.6/29

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

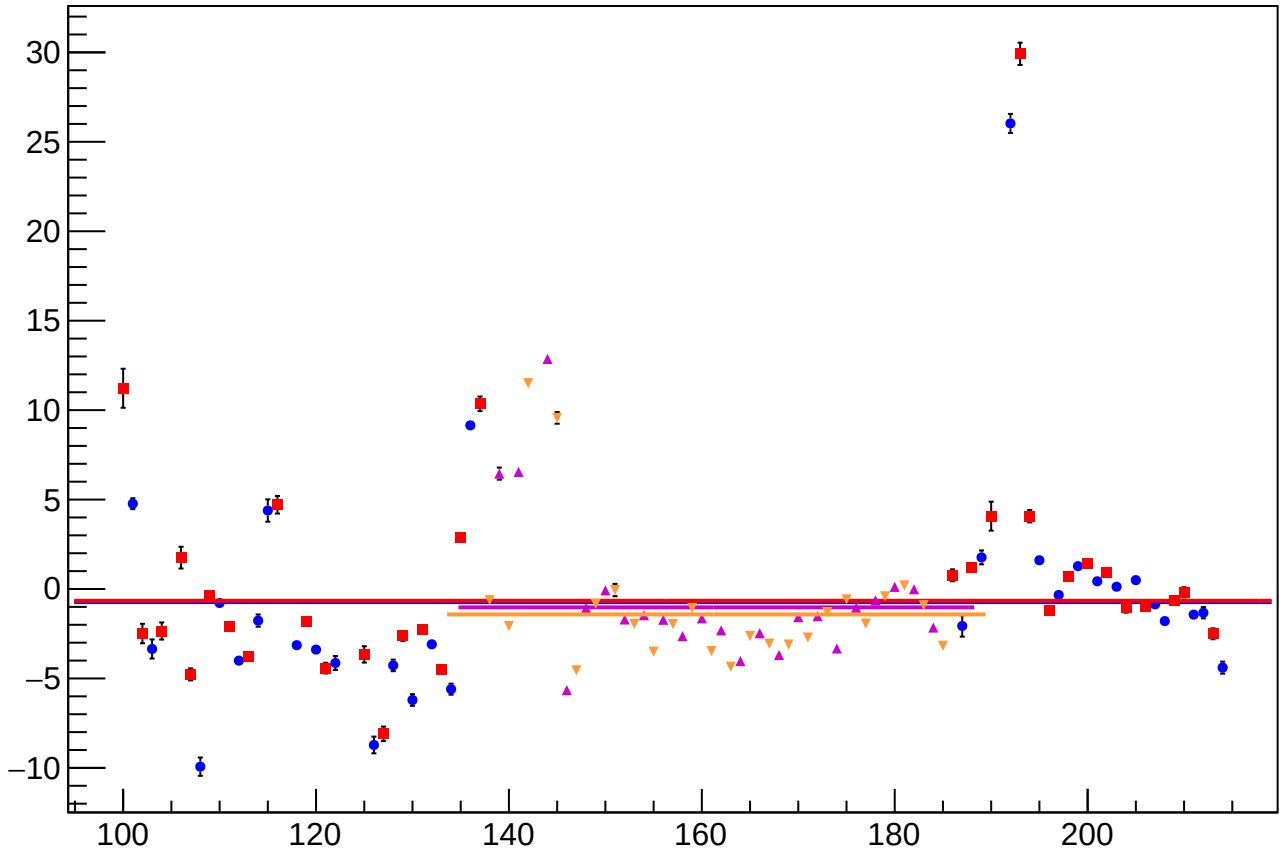
Right Out: -1.329+/-0.034 χ^2/NDF: 117822.1/31

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -1.144+/-0.027 χ^2/NDF: 246591.7/53

All: -1.134+/-0.019 χ^2/NDF: 493979.7/108

- sign -1.125+/-0.026 χ^2/NDF: 247387.7/54



Right In: -0.730+/-0.051 χ^2/NDF: 7608.2/29

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

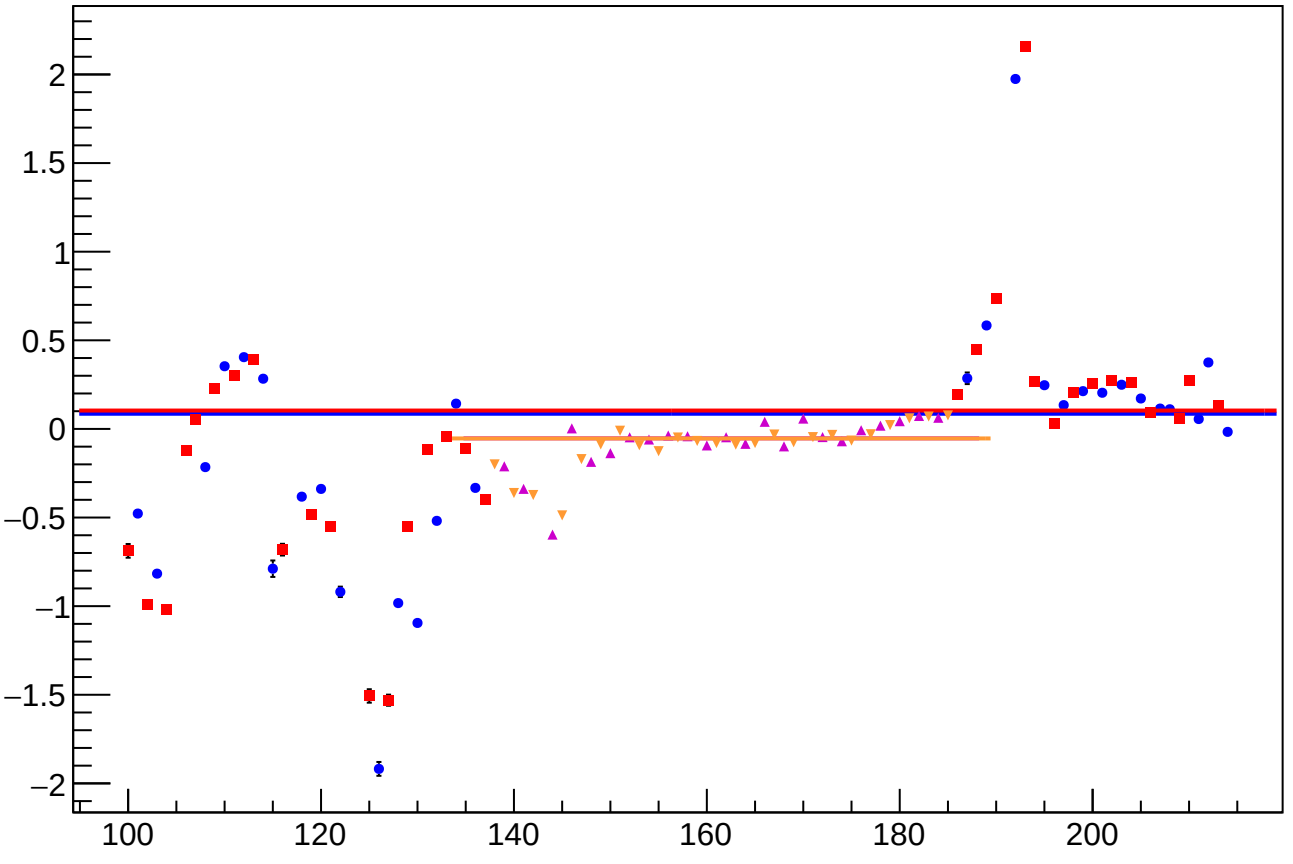
Right Out: -0.660+/-0.049 χ^2/NDF: 5545.1/31

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

\+ sign -1.187+/-0.030 χ^2/NDF: 12369.7/53

All: -1.039+/-0.021 χ^2/NDF: 25045.8/108

\- sign -0.905+/-0.028 χ^2/NDF: 12628.9/54



Right In: 0.086+/-0.002 χ^2/NDF: 34782.9/29

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

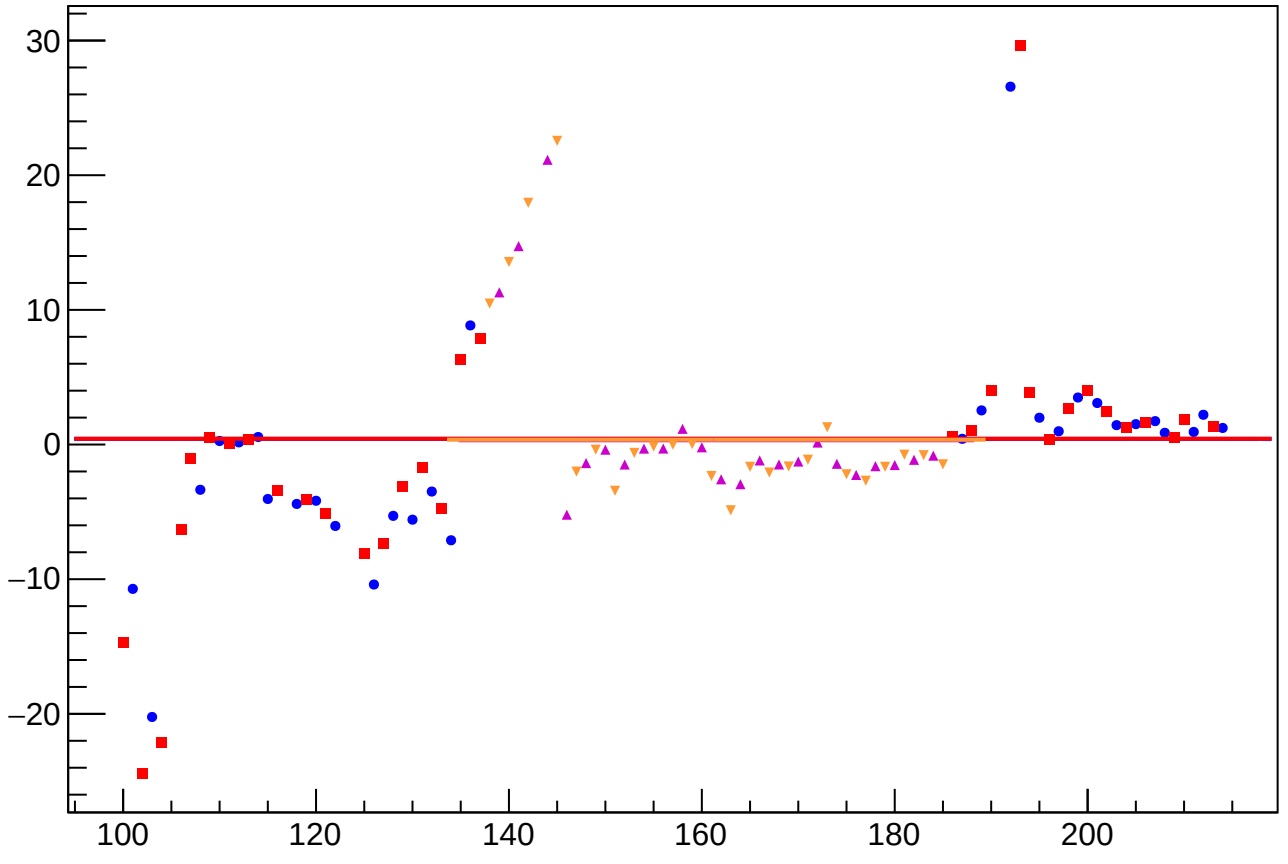
Right Out: 0.104+/-0.002 χ^2/NDF: 34201.6/31

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.008+/-0.001 χ^2/NDF: 41618.8/53

All: -0.007+/-0.001 χ^2/NDF: 84211.0/108

- sign -0.005+/-0.001 χ^2/NDF: 42589.8/54



Right In: 0.423+/-0.012 χ^2/NDF: 119680.9/29

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

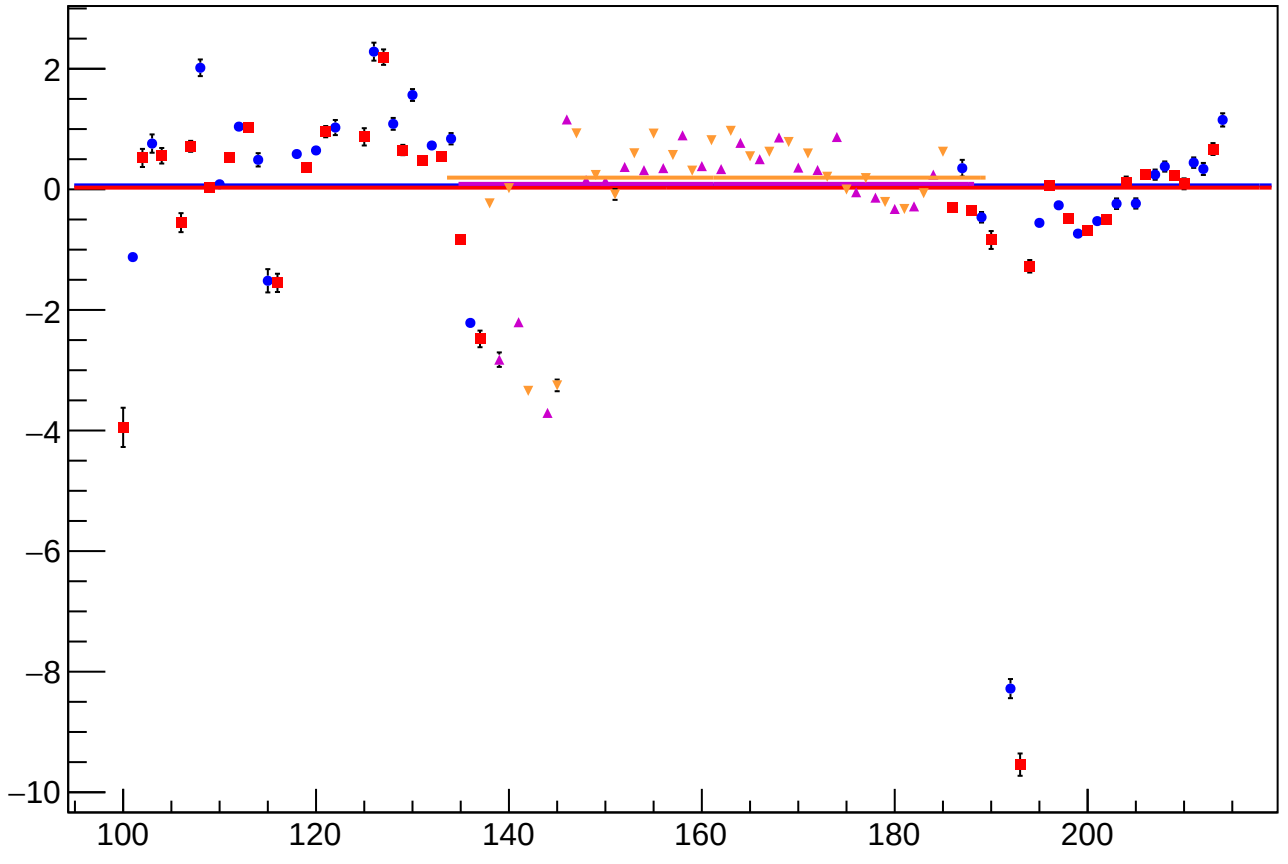
Right Out: 0.429+/-0.011 χ^2/NDF: 117808.1/31

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign 0.395+/-0.009 χ^2/NDF: 248522.5/53

All: 0.389+/-0.006 χ^2/NDF: 496595.5/108

\- sign 0.384+/-0.009 χ^2/NDF: 248072.2/54



Right In: 0.066+/-0.015 χ^2/NDF: 5992.8/29

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

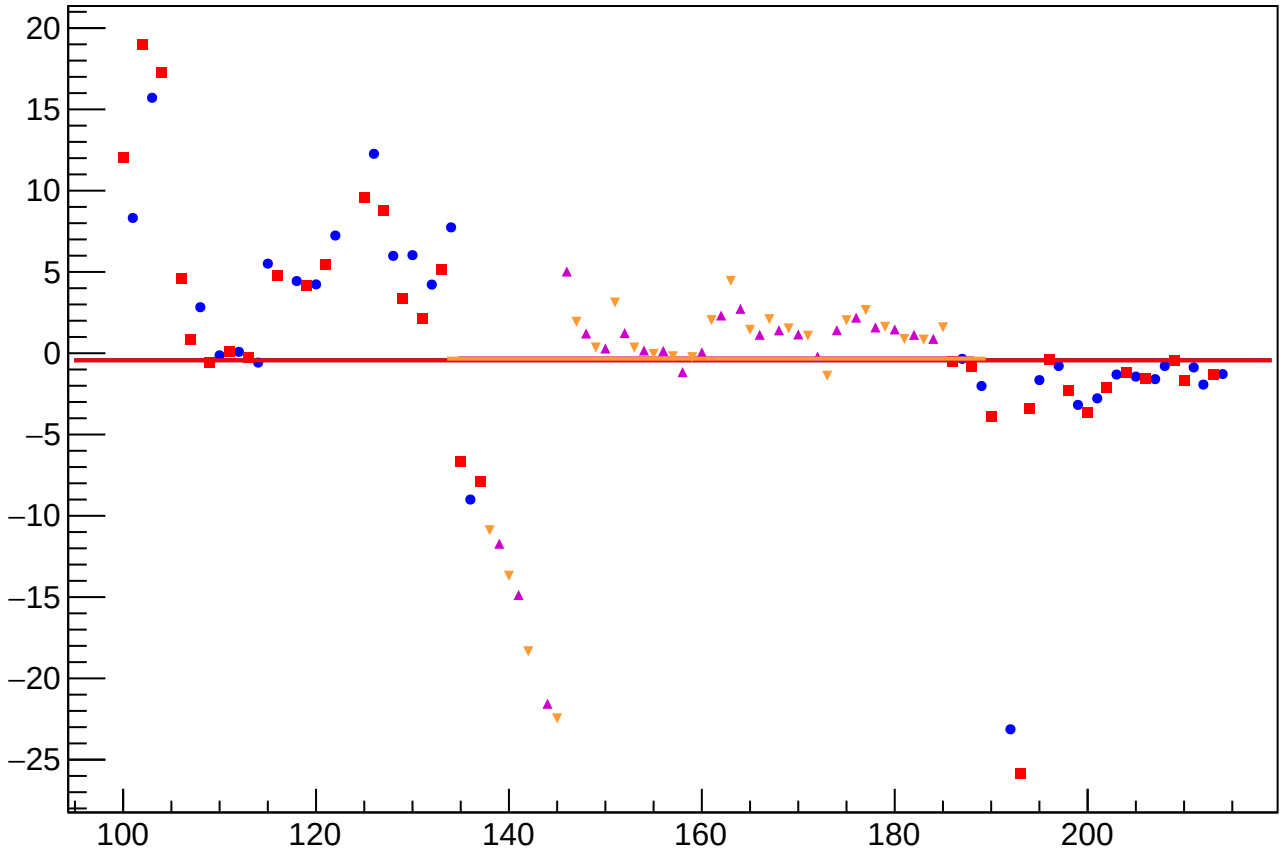
Right Out: 0.029+/-0.015 χ^2/NDF: 4949.0/31

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.149+/-0.009 χ^2/NDF: 10683.4/53

All: 0.107+/-0.006 χ^2/NDF: 22620.7/108

- sign 0.069+/-0.009 χ^2/NDF: 11897.2/54



Right In: -0.430+/-0.013 χ^2/NDF: 118098.8/29

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.435+/-0.012 χ^2/NDF: 115992.6/31

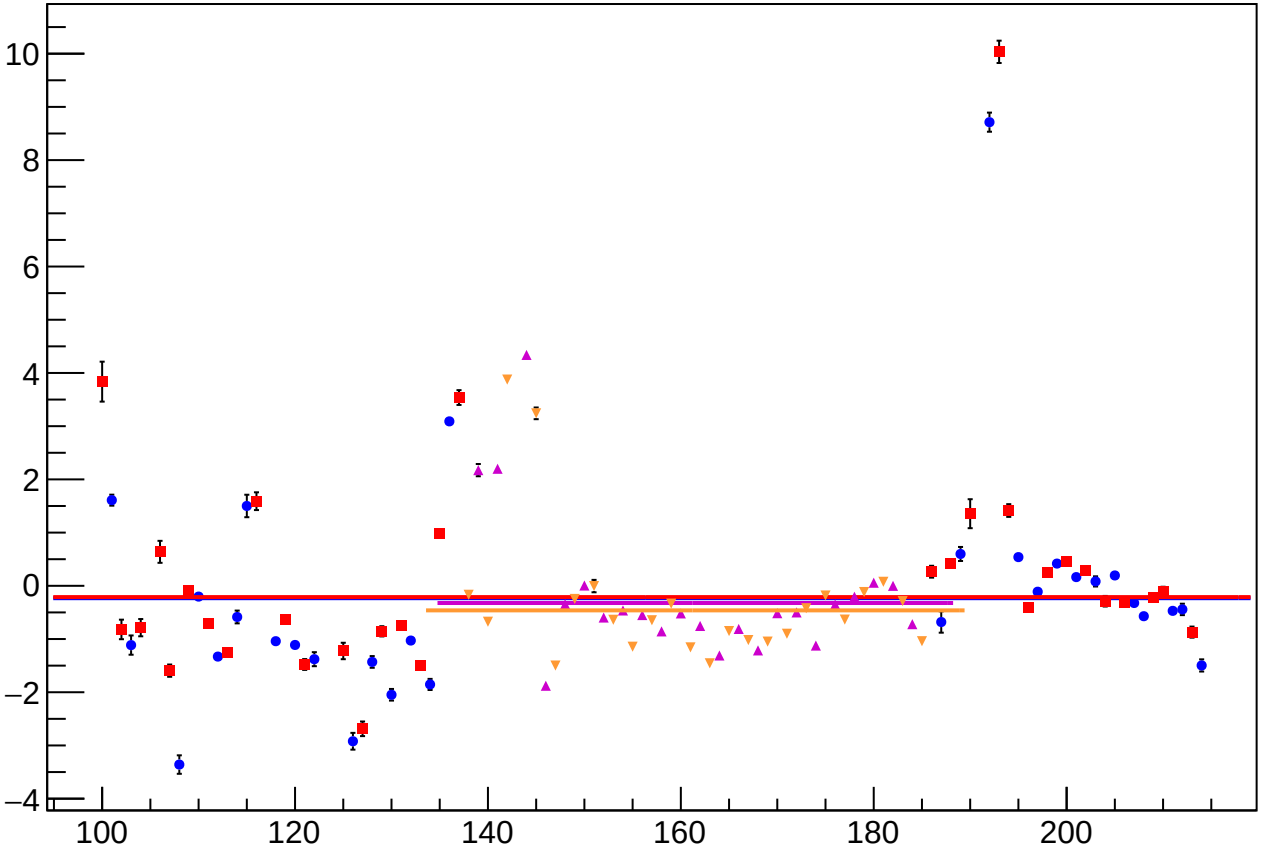
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.385+/-0.009 χ^2/NDF: 242359.2/53

All: -0.384+/-0.006 χ^2/NDF: 485396.9/108

- sign -0.382+/-0.009 χ^2/NDF: 243037.7/54

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.233+/-0.018 χ^2/NDF: 7455.1/29

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

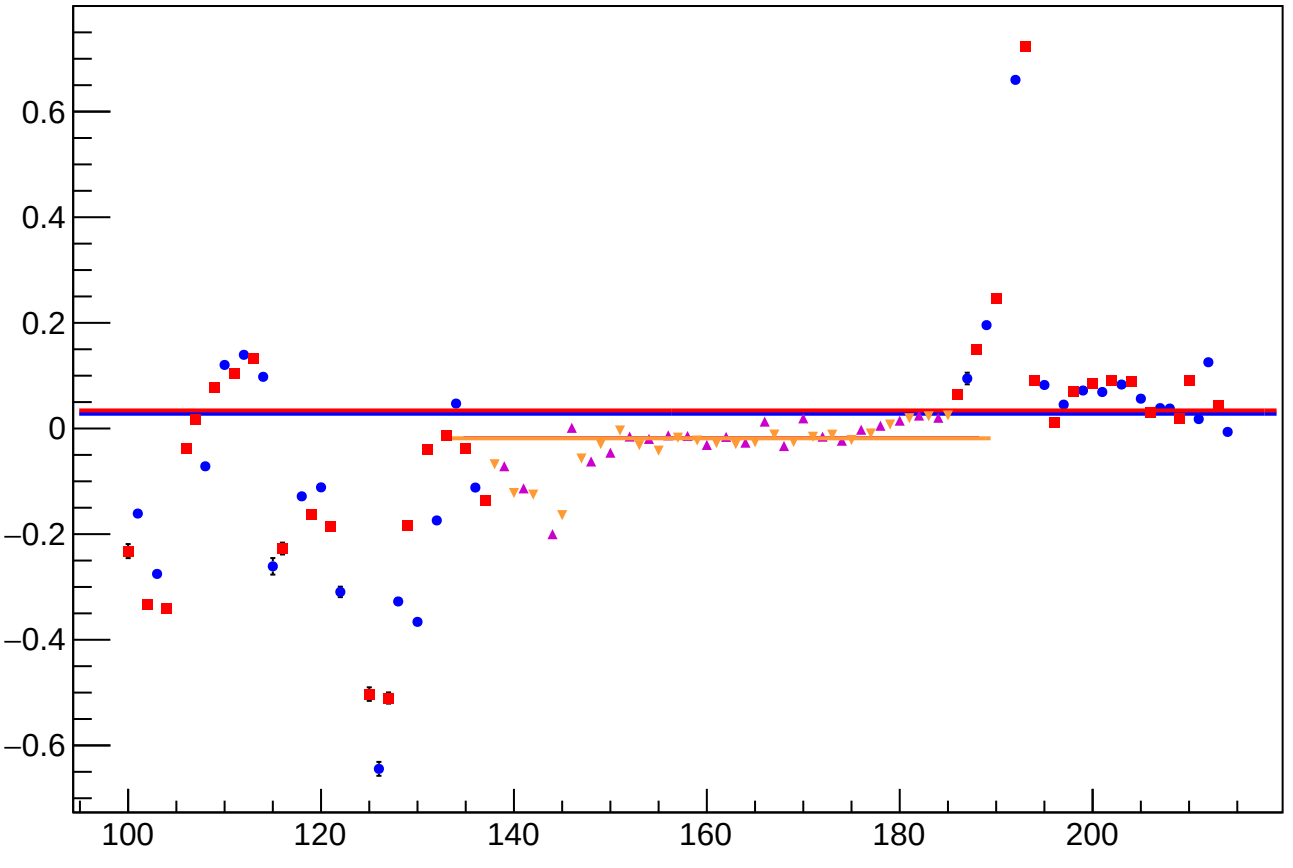
Right Out: -0.212+/-0.017 χ^2/NDF: 5451.3/31

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.385+/-0.010 χ^2/NDF: 12147.6/53

All: -0.333+/-0.007 χ^2/NDF: 24557.8/108

- sign -0.286+/-0.010 χ^2/NDF: 12361.8/54



Right In: 0.028+/-0.001 χ^2/NDF: 34191.1/29

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

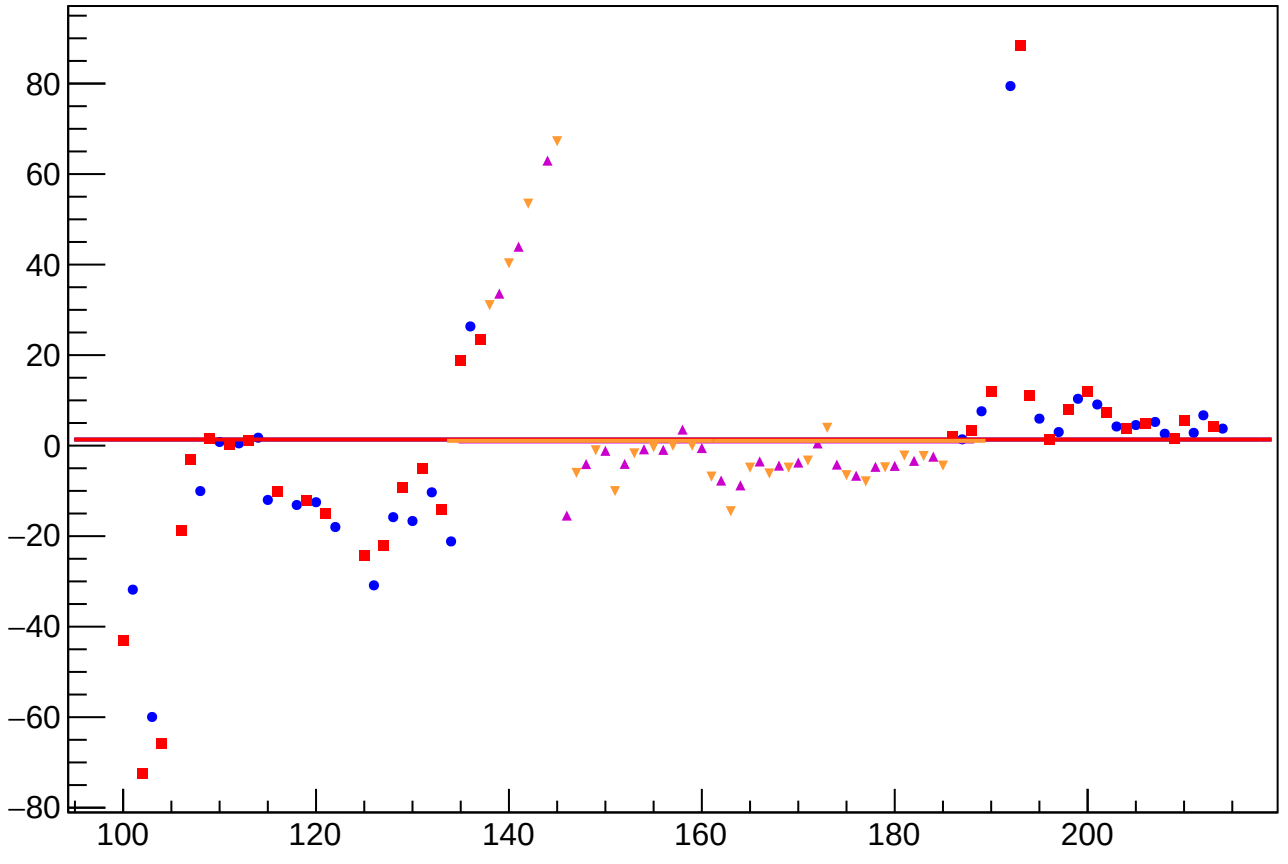
Right Out: 0.034+/-0.001 χ^2/NDF: 33569.2/31

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

\+ sign -0.003+/-0.000 χ^2/NDF: 40782.4/53

All: -0.003+/-0.000 χ^2/NDF: 82408.0/108

\- sign -0.002+/-0.000 χ^2/NDF: 41621.1/54



Right In: 1.347+/-0.036 χ^2/NDF: 121823.5/29

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

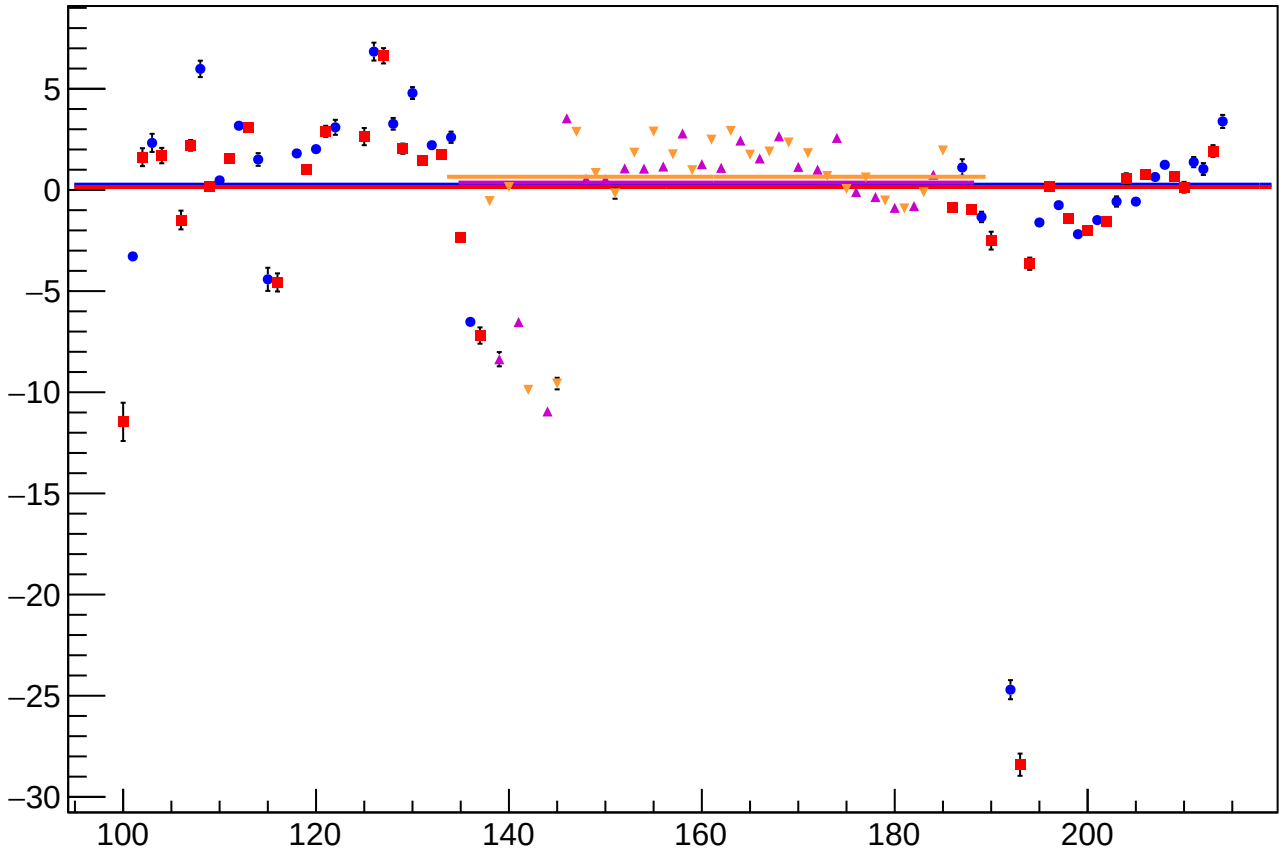
Right Out: 1.350+/-0.033 χ^2/NDF: 119733.6/31

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.220+/-0.027 χ^2/NDF: 252862.7/53

All: 1.197+/-0.018 χ^2/NDF: 505485.3/108

- sign 1.175+/-0.025 χ^2/NDF: 252621.1/54



Right In: 0.261+/-0.045 χ^2/NDF: 6120.3/29

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

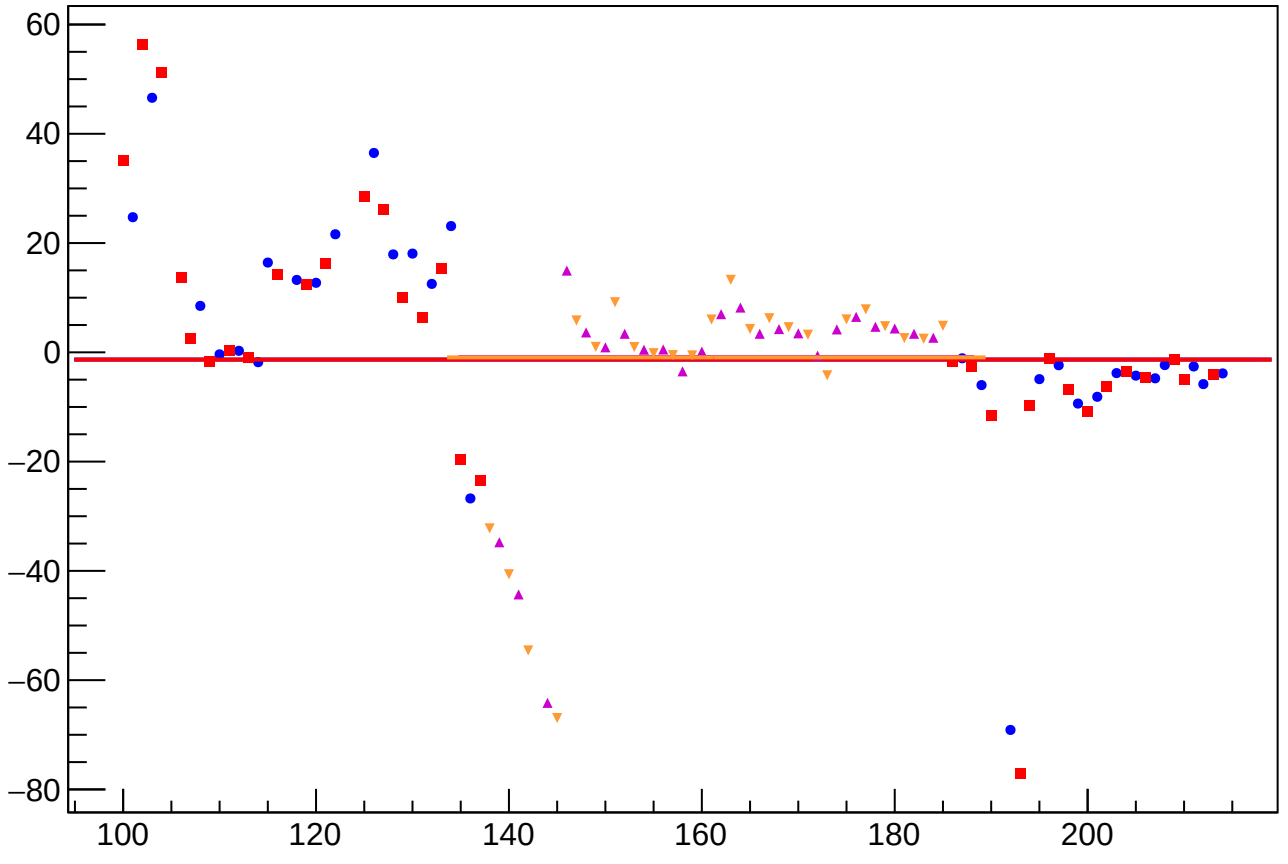
Right Out: 0.145+/-0.043 χ^2/NDF: 5038.5/31

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

\+ sign 0.512+/-0.027 χ^2/NDF: 10878.5/53

All: 0.394+/-0.018 χ^2/NDF: 23094.2/108

\- sign 0.288+/-0.025 χ^2/NDF: 12178.1/54



Right In: -1.323+/-0.037 χ^2/NDF: 120182.8/29

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

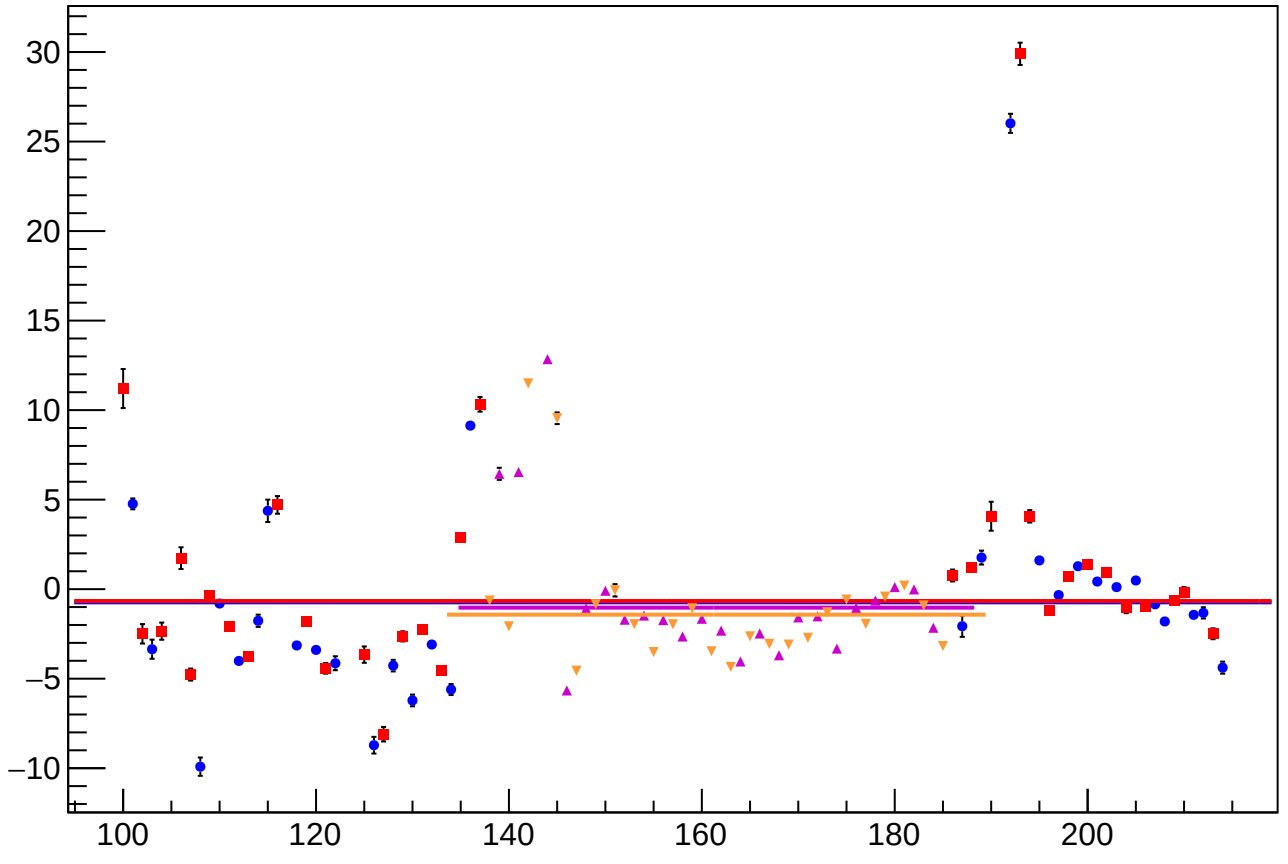
Right Out: -1.329+/-0.034 χ^2/NDF: 117841.0/31

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.143+/-0.027 χ^2/NDF: 246595.0/53

All: -1.133+/-0.019 χ^2/NDF: 494008.8/108

- sign -1.124+/-0.026 χ^2/NDF: 247413.5/54



Right In: -0.735+/-0.051 χ^2/NDF: 7610.3/29

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

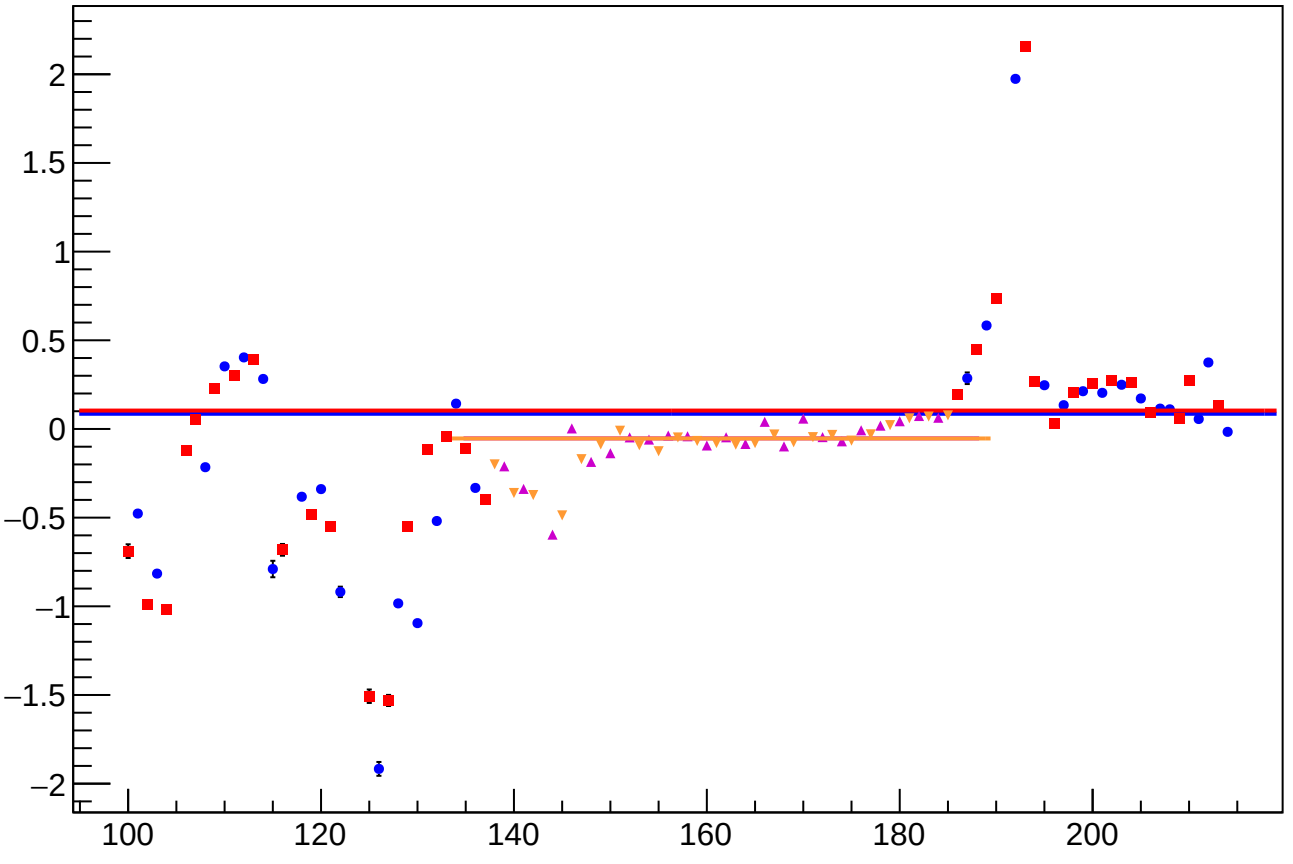
Right Out: -0.663+/-0.049 χ^2/NDF: 5545.0/31

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

\+ sign -1.192+/-0.030 χ^2/NDF: 12369.7/53

All: -1.044+/-0.021 χ^2/NDF: 25050.6/108

\- sign -0.910+/-0.028 χ^2/NDF: 12633.8/54



Right In: 0.086+/-0.002 χ^2/NDF: 34791.8/29

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

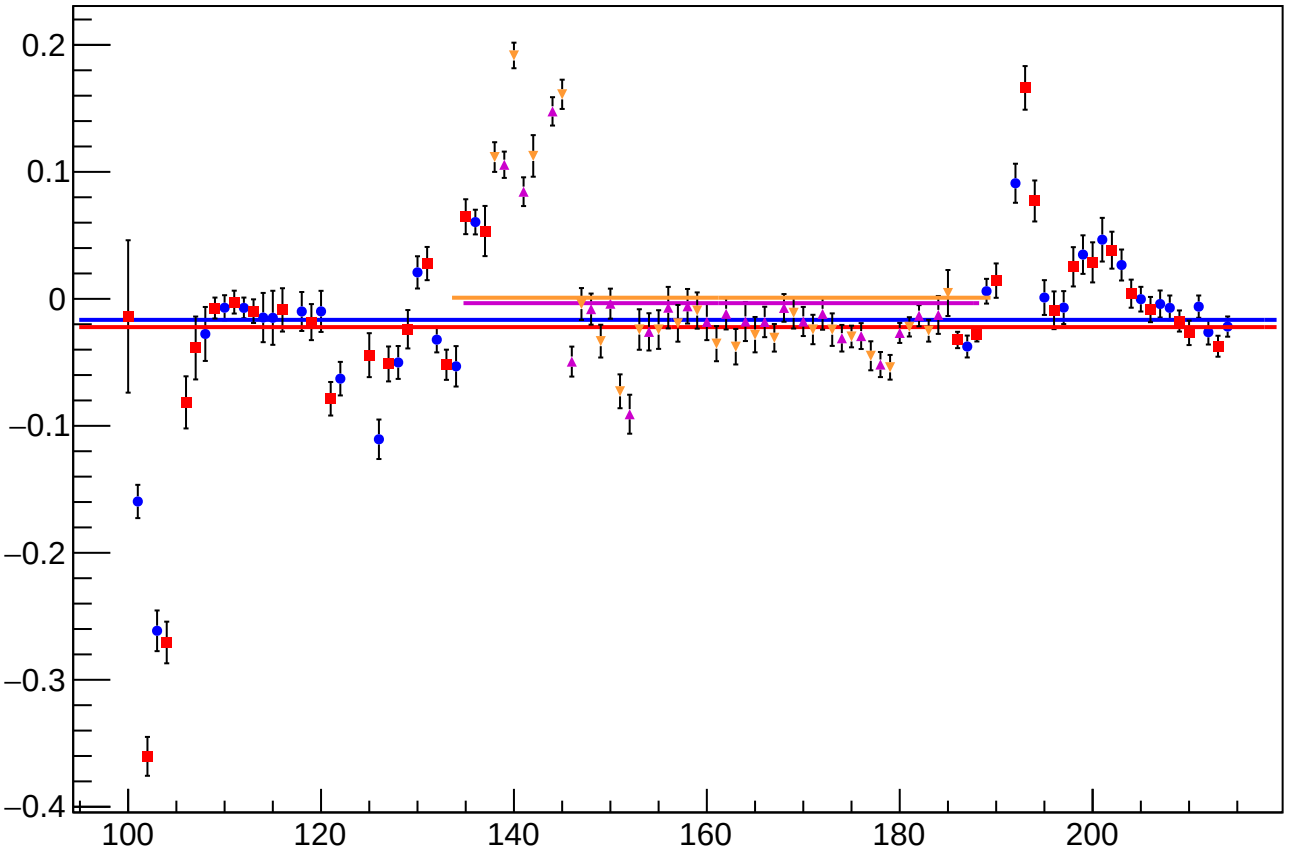
Right Out: 0.104+/-0.002 χ^2/NDF: 34216.8/31

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.008+/-0.001 χ^2/NDF: 41629.8/53

All: -0.007+/-0.001 χ^2/NDF: 84247.7/108

- sign -0.005+/-0.001 χ^2/NDF: 42615.6/54



Right In: -0.017+/-0.002 χ^2/NDF: 598.5/29

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

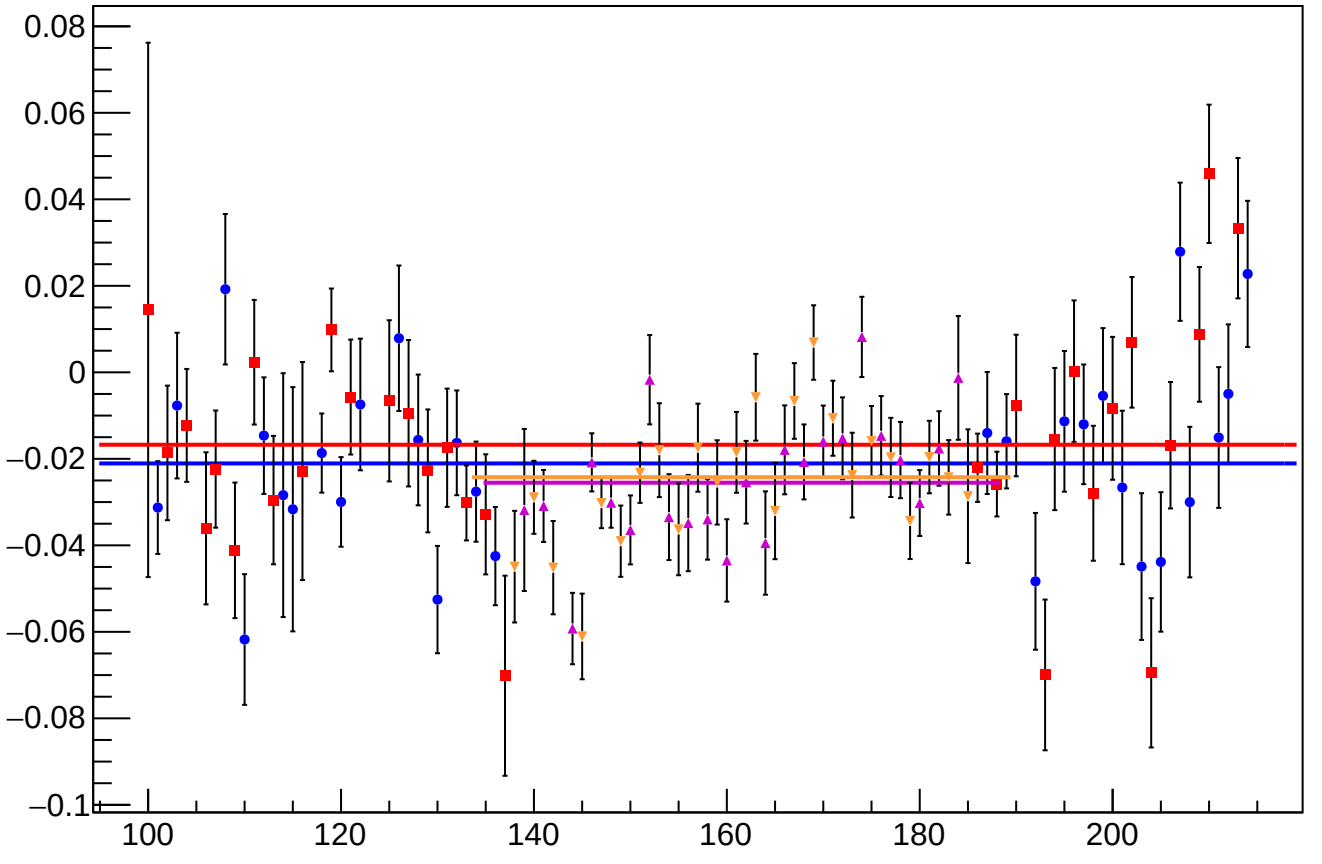
Right Out: -0.022+/-0.002 χ^2/NDF: 1054.6/31

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.009+/-0.002 χ^2/NDF: 1477.8/53

All: -0.012+/-0.001 χ^2/NDF: 3032.9/108

- sign -0.014+/-0.002 χ^2/NDF: 1548.7/54



Right In: -0.021+/-0.003 χ^2/NDF: 56.6/29

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

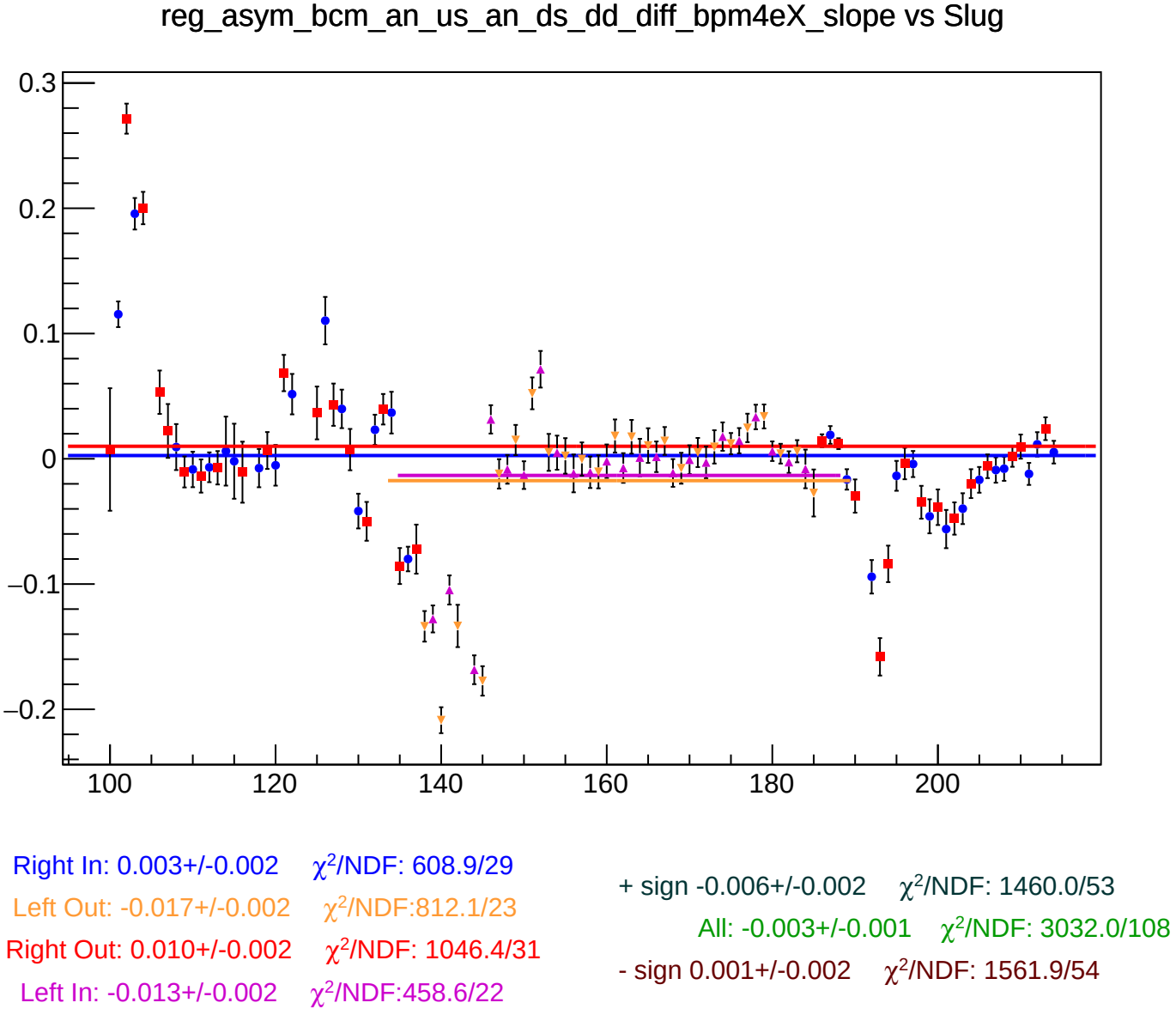
Right Out: -0.017+/-0.002 χ^2/NDF: 77.7/31

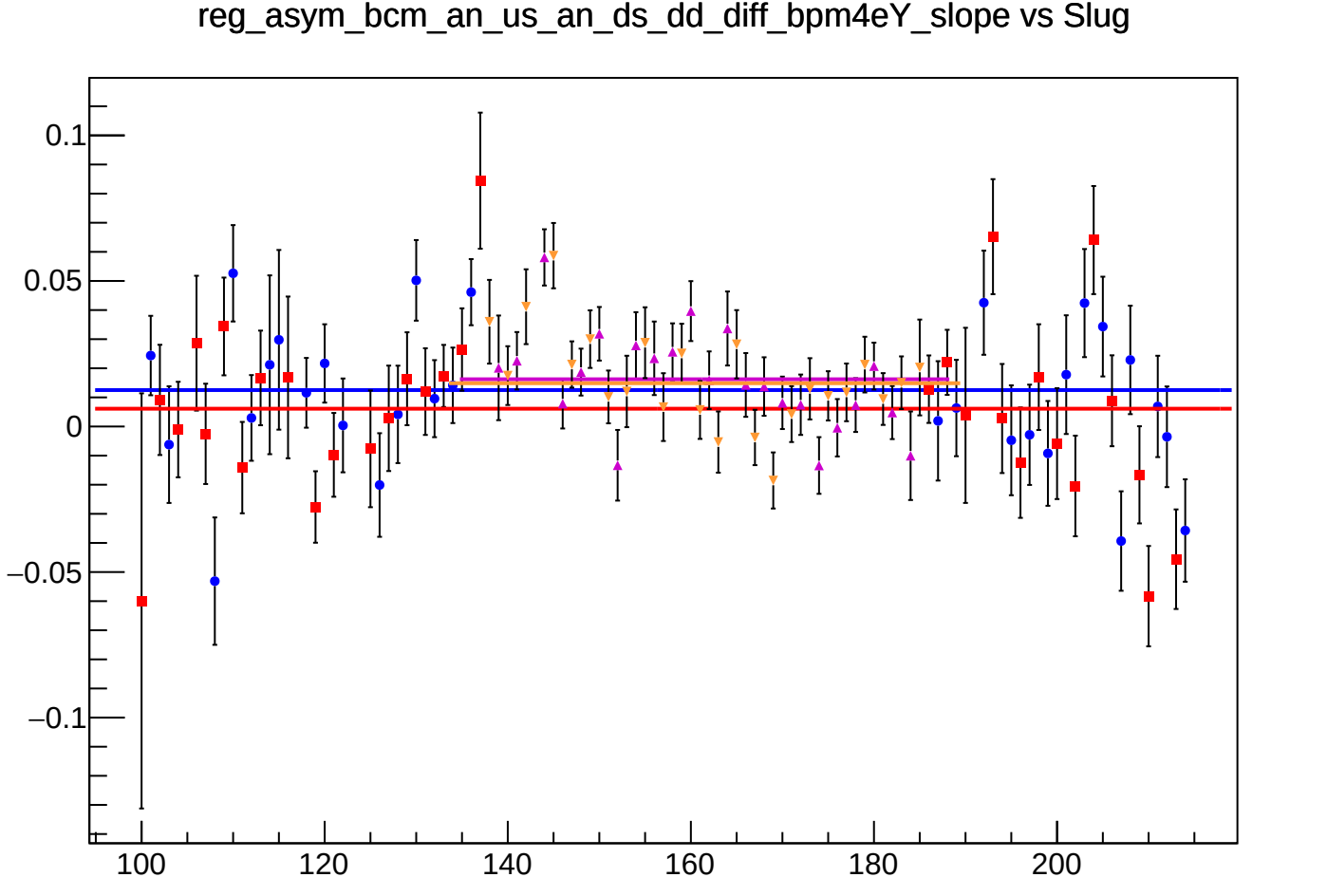
Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.023+/-0.002 χ^2/NDF: 111.3/53

All: -0.023+/-0.001 χ^2/NDF: 252.3/108

- sign -0.022+/-0.001 χ^2/NDF: 140.8/54


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.003+/-0.002 χ²/NDF: 608.9/29
Left Out: -0.017+/-0.002 χ²/NDF:812.1/23
Right Out: 0.010+/-0.002 χ²/NDF: 1046.4/31
Left In: -0.013+/-0.002 χ²/NDF:458.6/22
+ sign -0.006+/-0.002 χ²/NDF: 1460.0/53
All: -0.003+/-0.001 χ²/NDF: 3032.0/108
- sign 0.001+/-0.002 χ²/NDF: 1561.9/54



Right In: 0.013+/-0.003 χ^2/NDF: 66.8/29

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

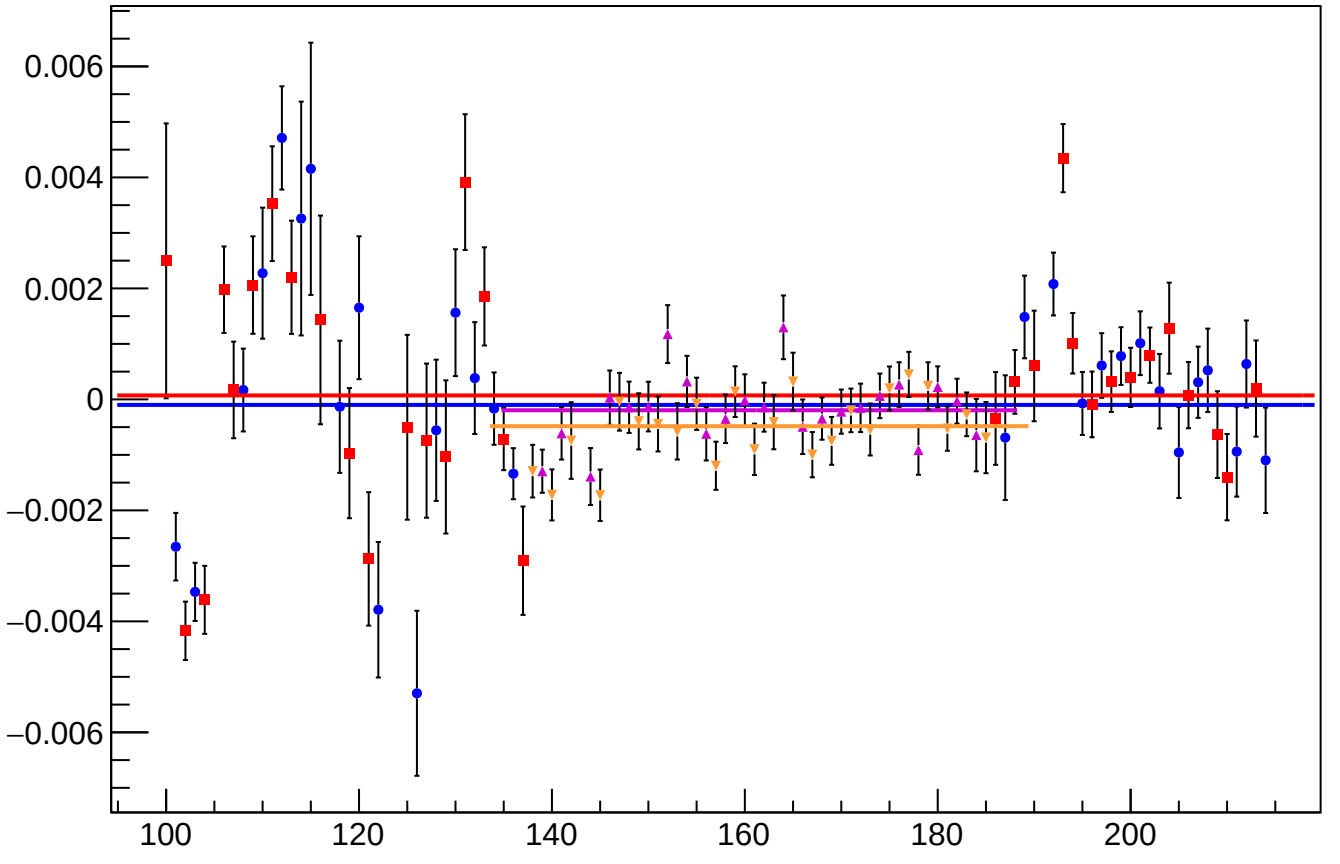
Right Out: 0.006+/-0.003 χ^2/NDF: 81.8/31

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.014+/-0.002 χ^2/NDF: 119.3/53

All: 0.013+/-0.001 χ^2/NDF: 267.2/108

- sign 0.013+/-0.002 χ^2/NDF: 147.6/54



Right In: -0.000+/-0.000 χ^2/NDF: 162.0/29

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

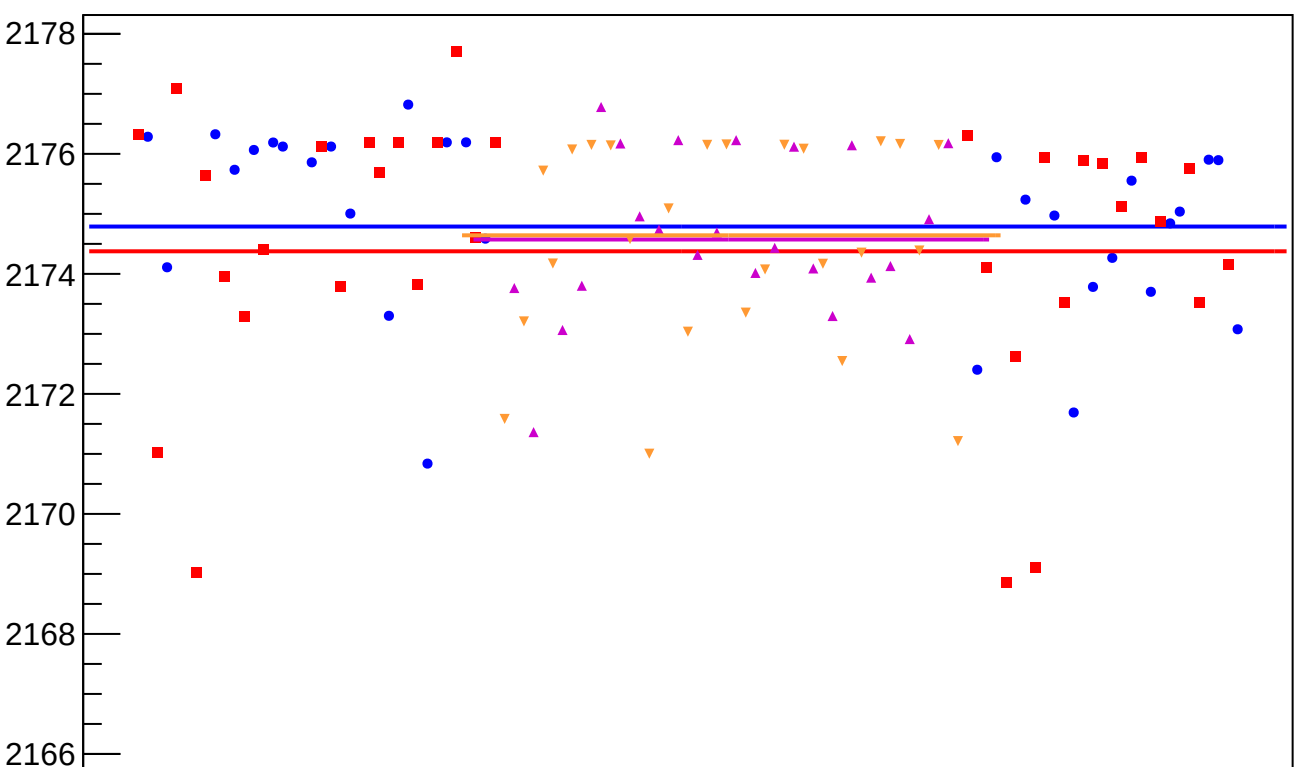
Right Out: 0.000+/-0.000 χ^2/NDF: 224.0/31

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 208.1/53

All: -0.000+/-0.000 χ^2/NDF: 477.4/108

- sign -0.000+/-0.000 χ^2/NDF: 263.9/54



Right In: 2174.789+/-0.000 χ^2/NDF: 367044395802584749258608390596198 4.0/29

+ sign 2174.713+/-0.000 χ^2/NDF: 8902909201790

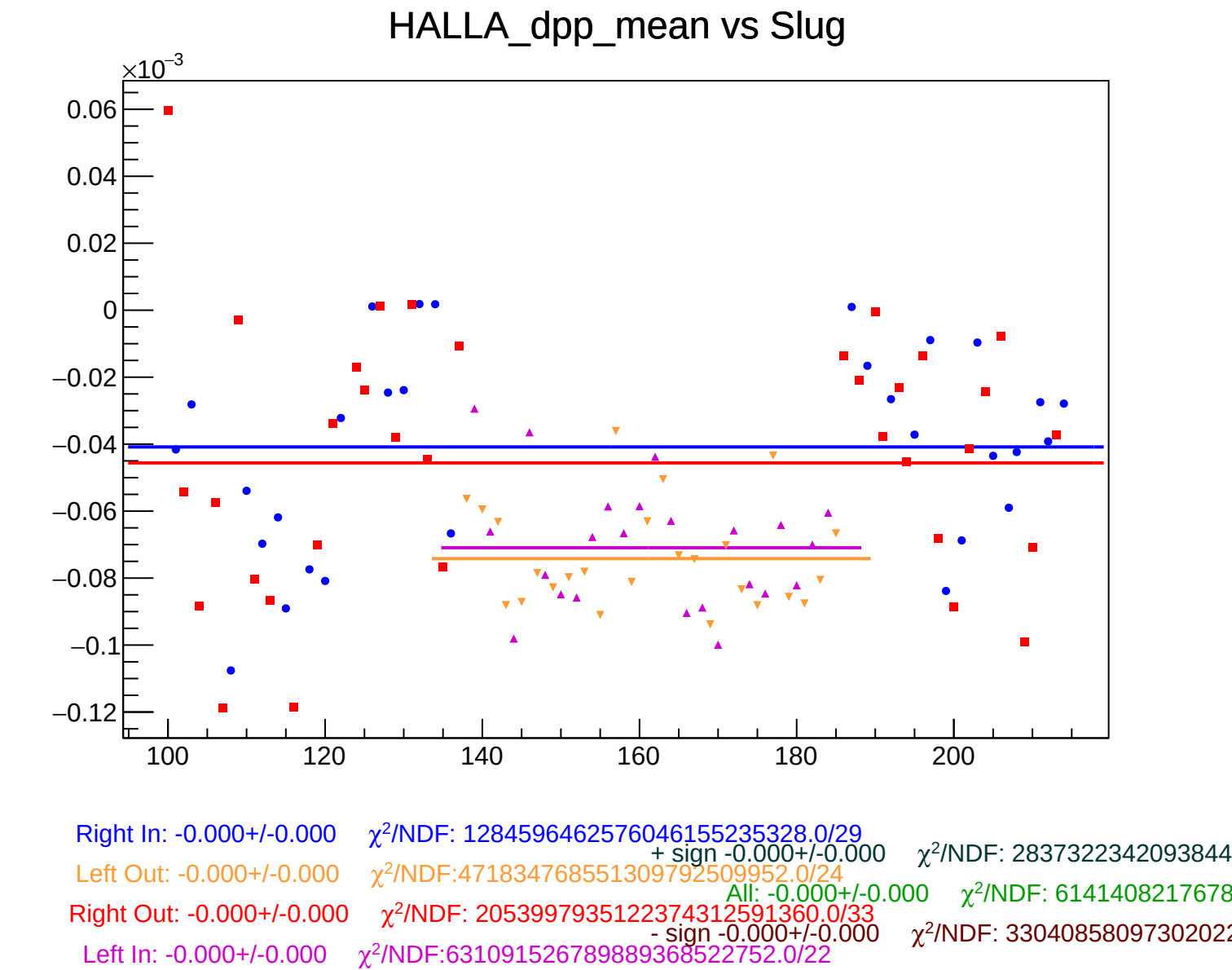
Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

All: 2174.594+/-0.000 χ^2/NDF: 226911651

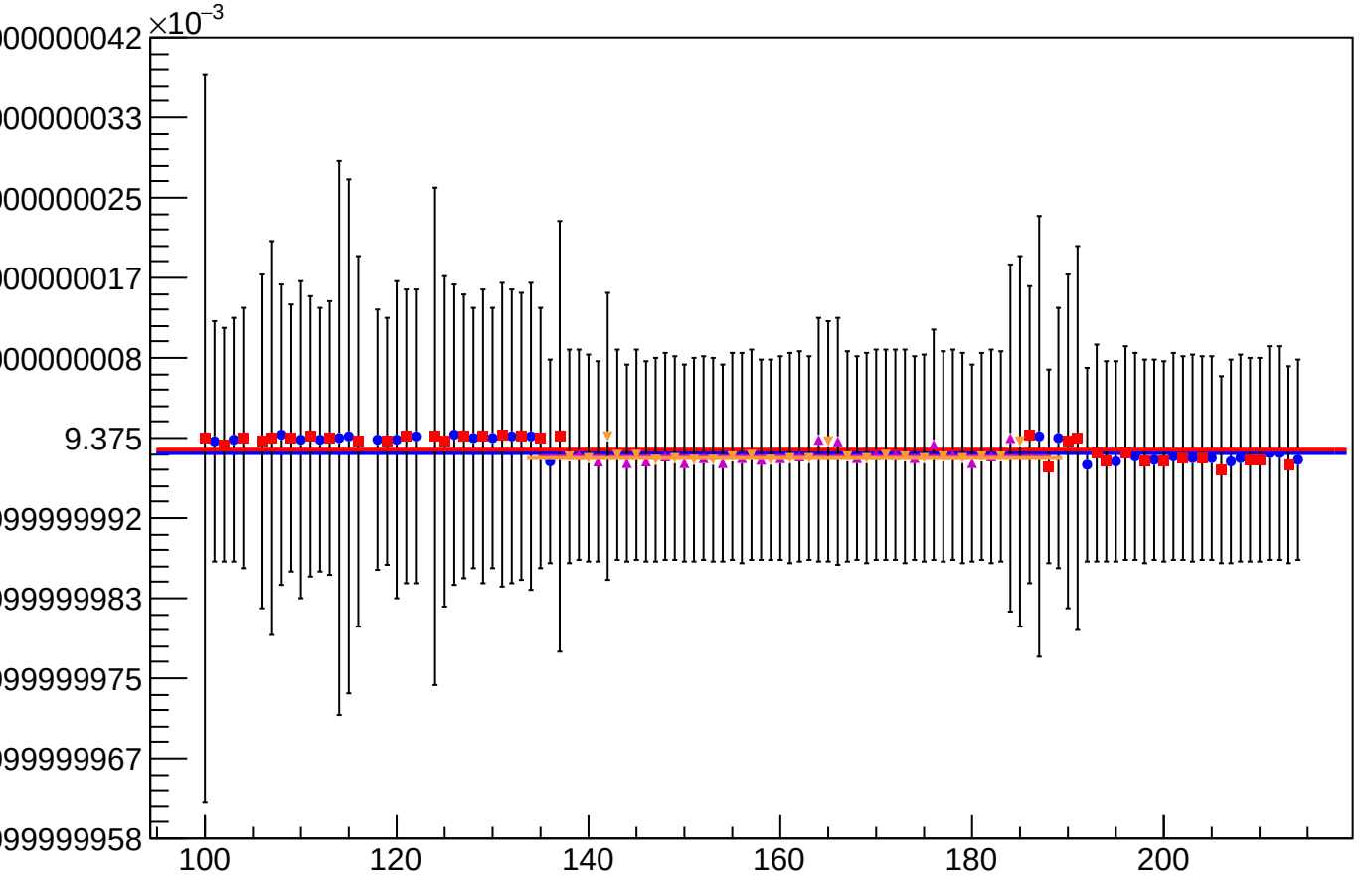
Right Out: 2174.376+/-0.000 χ^2/NDF: 10208363710973137032566068880605184.0/33

- sign 2174.473+/-0.000 χ^2/NDF: 1367691598315

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
Right In: -0.000+/-0.000 χ²/NDF: 1284596462576046155235328.0/29
+ sign -0.000+/-0.000 χ²/NDF: 2837322342093844
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
All: -0.000+/-0.000 χ²/NDF: 6141408217678
Right Out: -0.000+/-0.000 χ²/NDF: 2053997935122374312591360.0/33
- sign -0.000+/-0.000 χ²/NDF: 33040858097302022
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/33

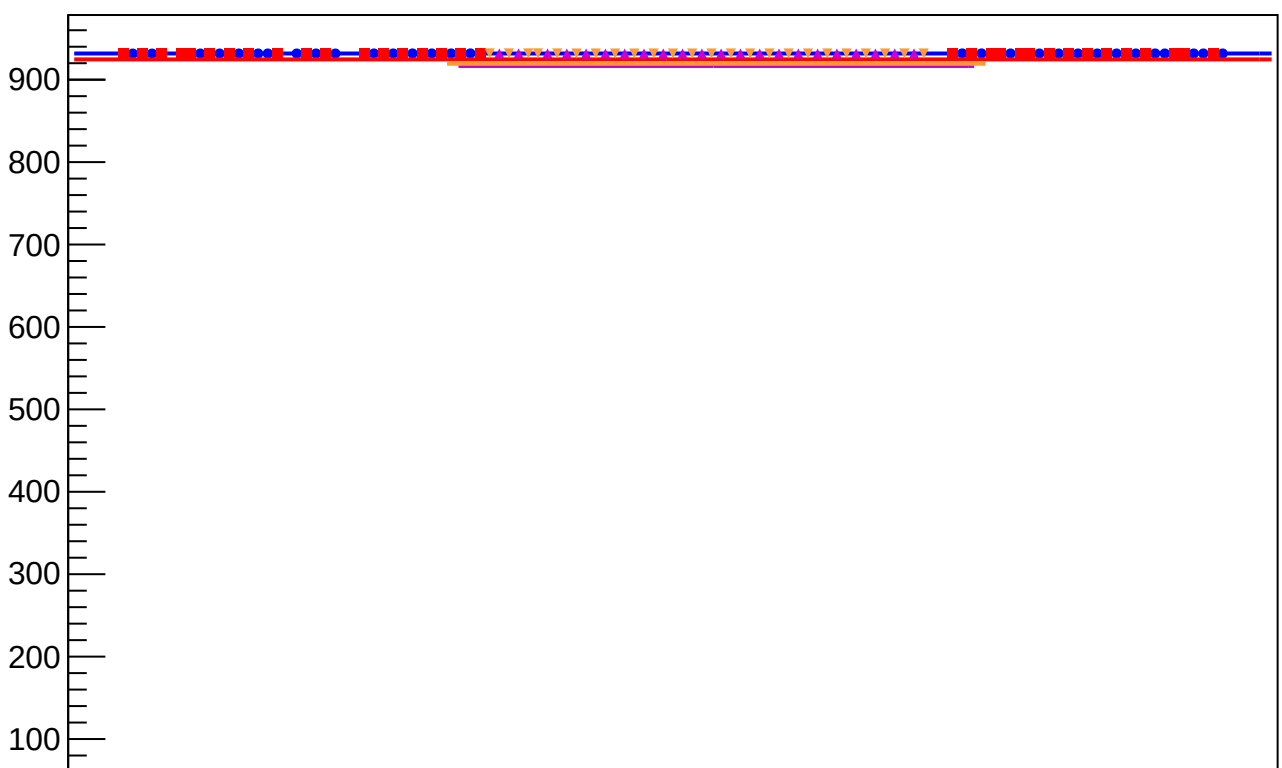
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/54

All: 0.009+/-0.000 χ^2/NDF: 1.2/111

- sign 0.009+/-0.000 χ^2/NDF: 0.4/56

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.778+/-0.000 χ^2/NDF: 342139398287248267771753281781760.0/29

+ sign 925.336+/-0.000 χ^2/NDF: 231713462668646

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436480.0/24

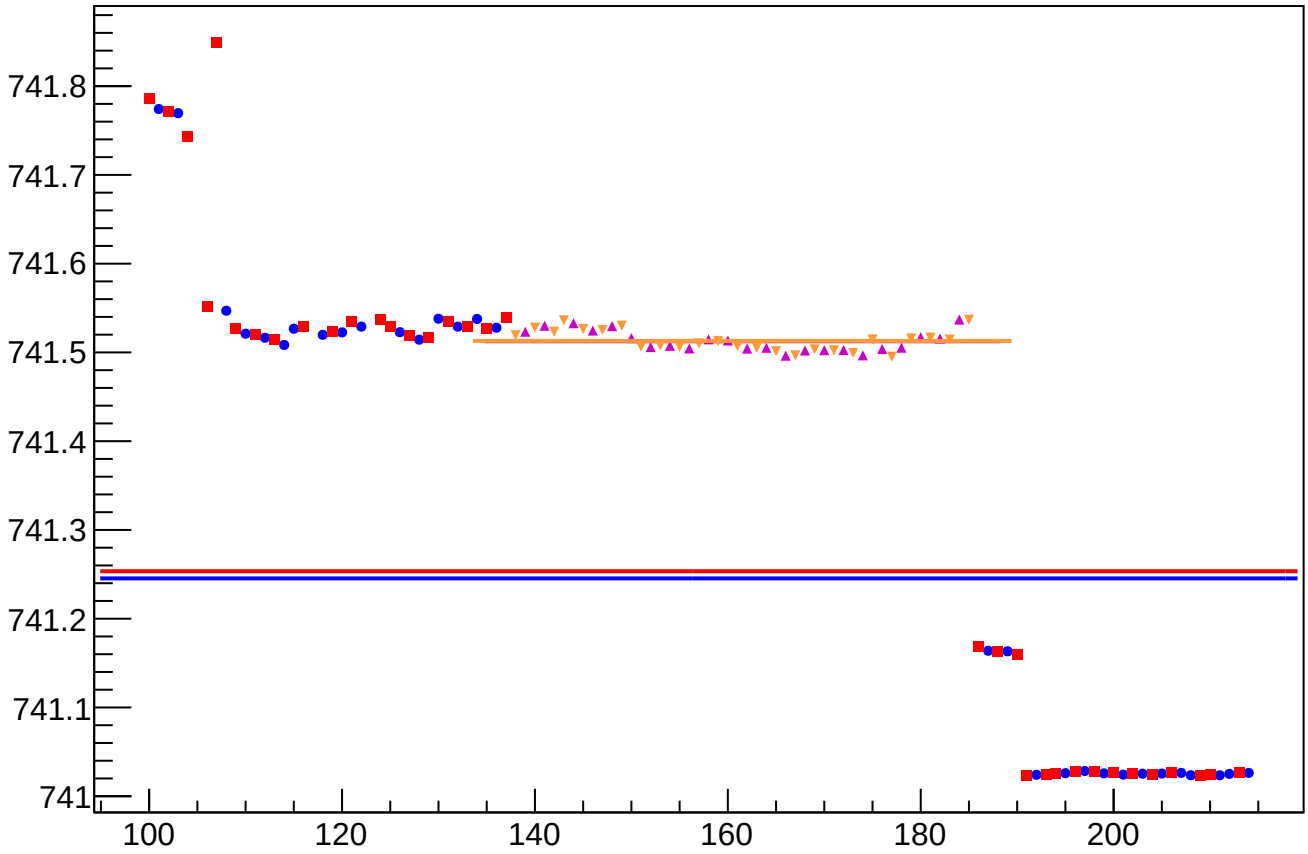
All: 923.022+/-0.000 χ^2/NDF: 625664950402

Right Out: 924.622+/-0.000 χ^2/NDF: 1292226813844385539688097512272429056 0.0/33

- sign 920.687+/-0.000 χ^2/NDF: 393532556067792

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723520.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.245+/-0.000 χ^2/NDF: 135858376094859322258988860440576.0/29

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120/24

Right Out: 741.253+/-0.000 χ^2/NDF: 14139317929638977581820596872806 4.0/33

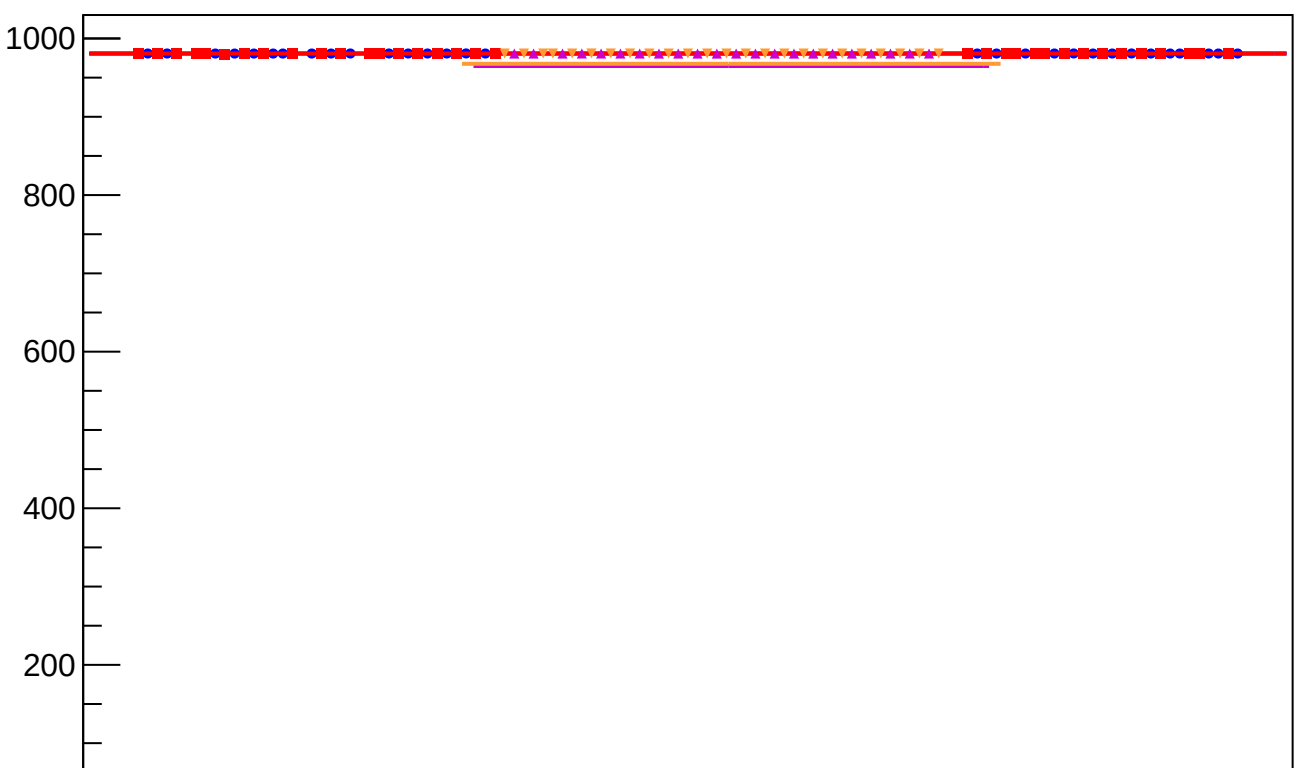
Left In: 741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

+ sign 741.384+/-0.000 χ^2/NDF: 205699129513541

All: 741.383+/-0.000 χ^2/NDF: 41209553835

- sign 741.381+/-0.000 χ^2/NDF: 206383061109450

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.803+/-0.000 χ^2/NDF: 19295301452646745841970834309 12.0/29

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: 980.779+/-0.000 χ^2/NDF: 6342652922149292448902870466560 0.0/33

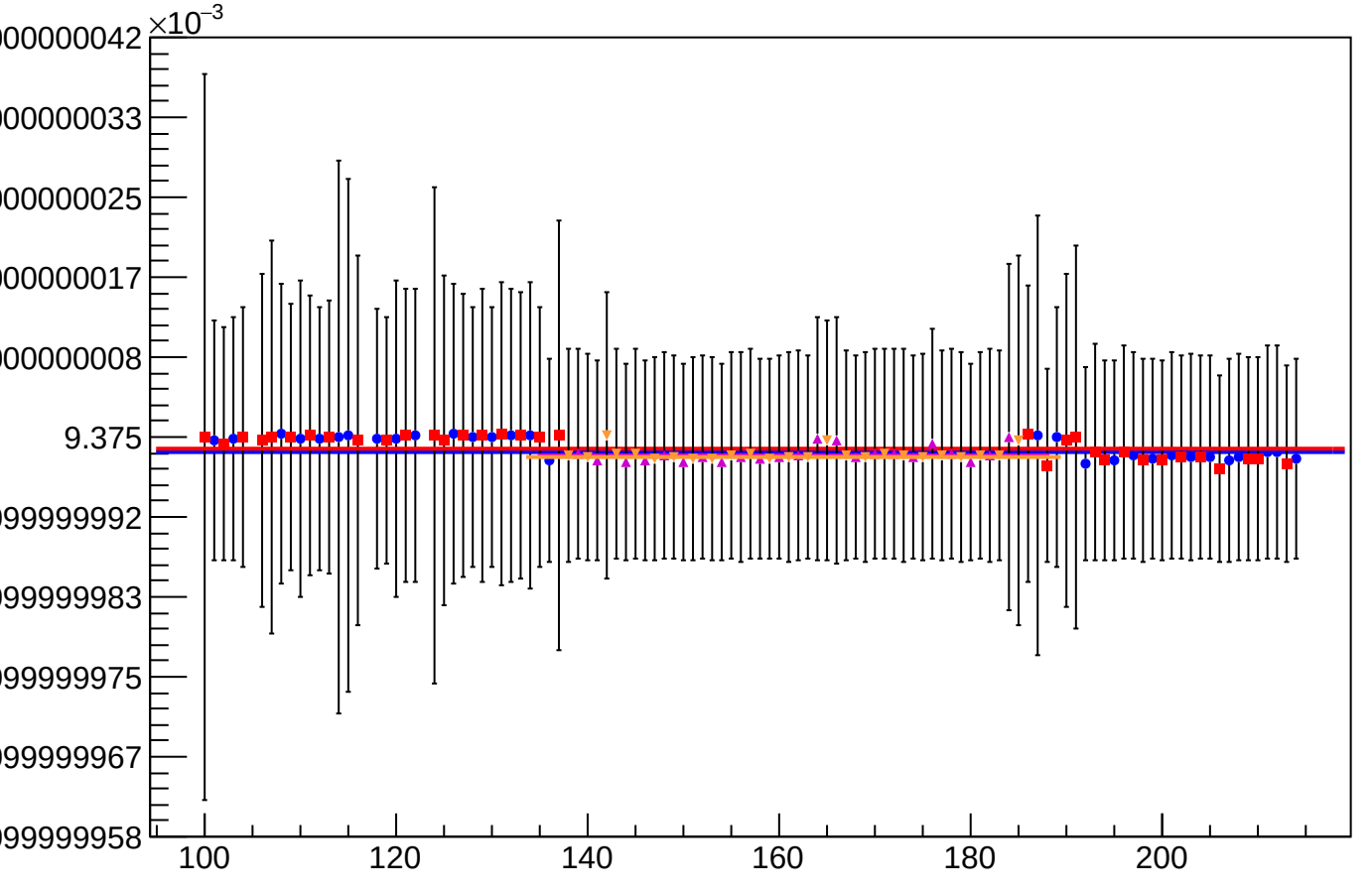
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 974.001+/-0.000 χ^2/NDF: 256726811775413

All: 973.460+/-0.000 χ^2/NDF: 551355167692

- sign 972.914+/-0.000 χ^2/NDF: 294605456573835

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/33

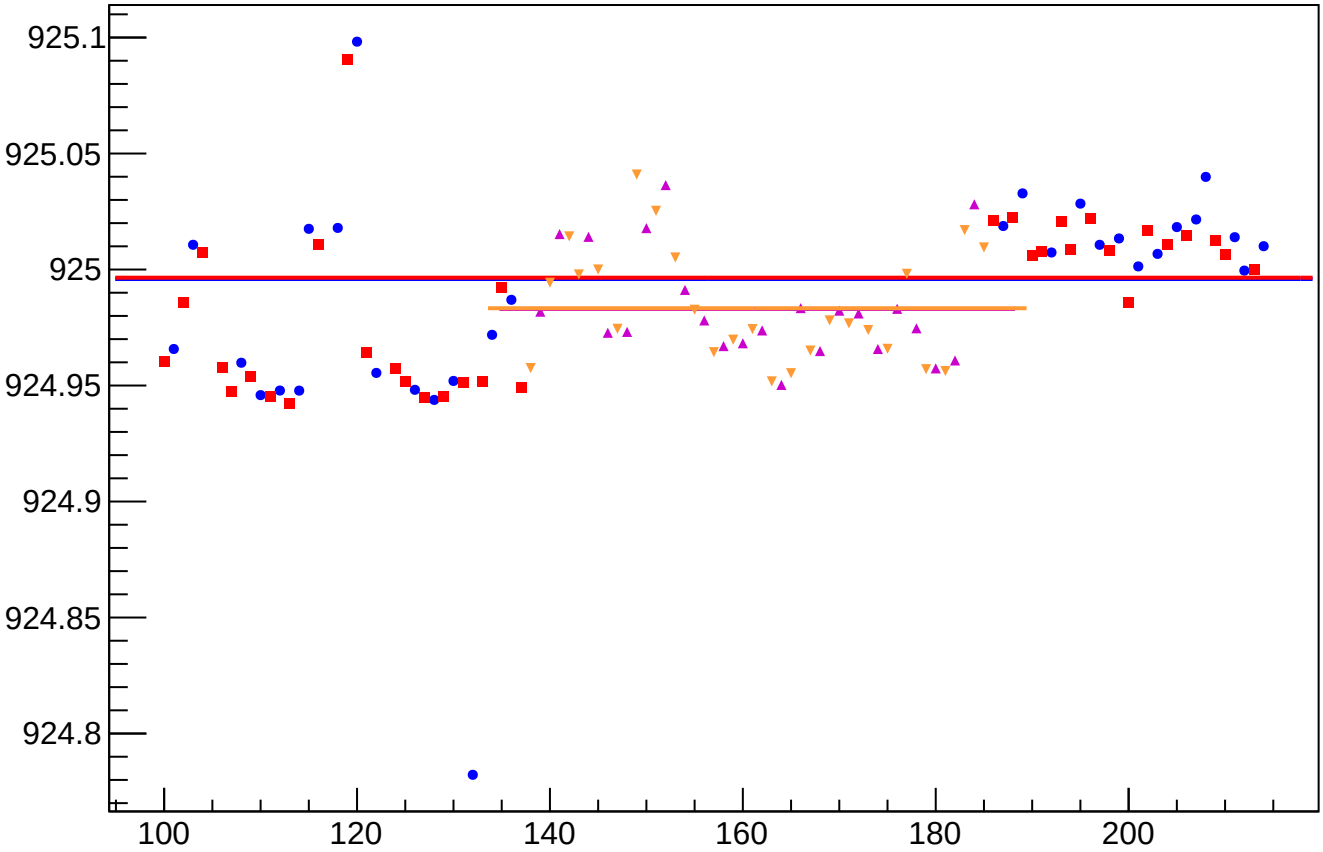
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/54

All: 0.009+/-0.000 χ^2/NDF: 1.2/111

- sign 0.009+/-0.000 χ^2/NDF: 0.4/56

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.996+/-0.000 χ^2/NDF: 37684667671147477285330705448960/29

+ sign 924.989+/-0.000 χ^2/NDF: 508391796648681

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

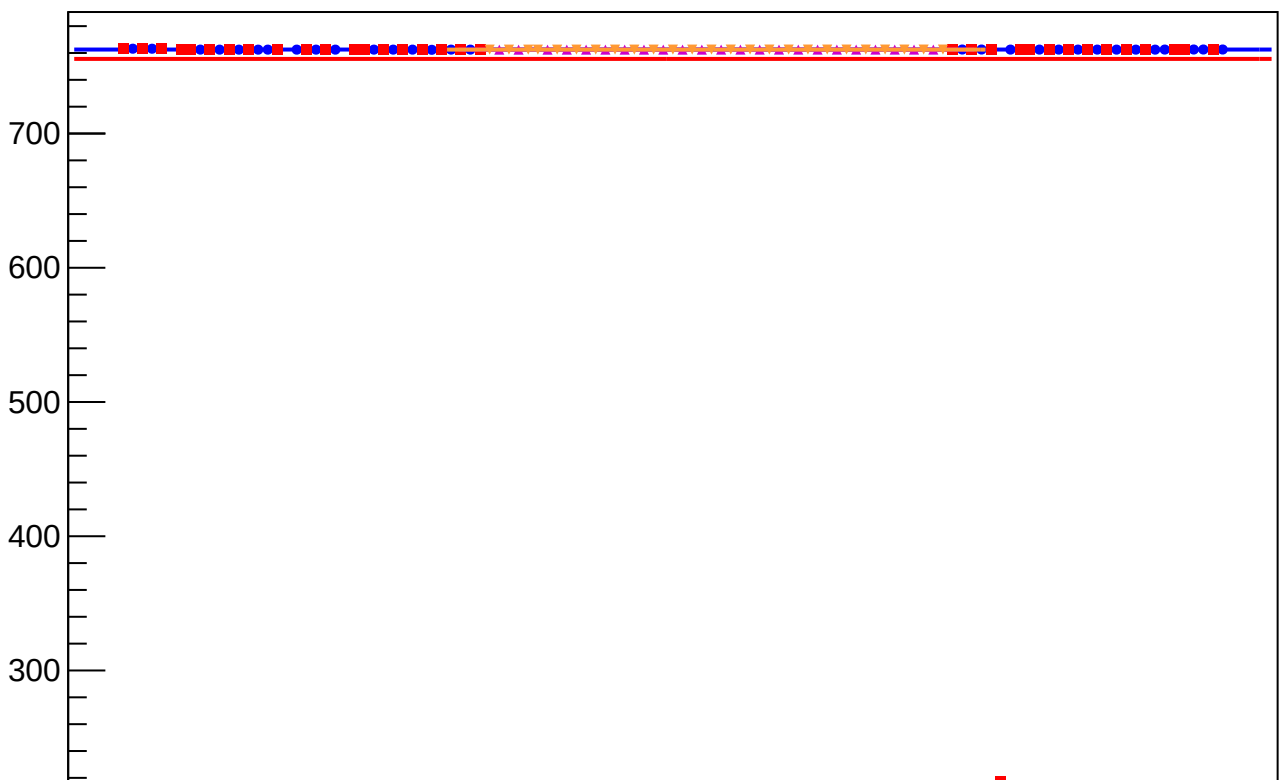
All: 924.990+/-0.000 χ^2/NDF: 817317541056

Right Out: 924.996+/-0.000 χ^2/NDF: 19854411443177646692396192235520/33

- sign 924.990+/-0.000 χ^2/NDF: 308886439182364

Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.569+/-0.000 χ^2/NDF: 554549085927778968441121480376320/29

+ sign 762.542+/-0.000 χ^2/NDF: 586770215590084

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

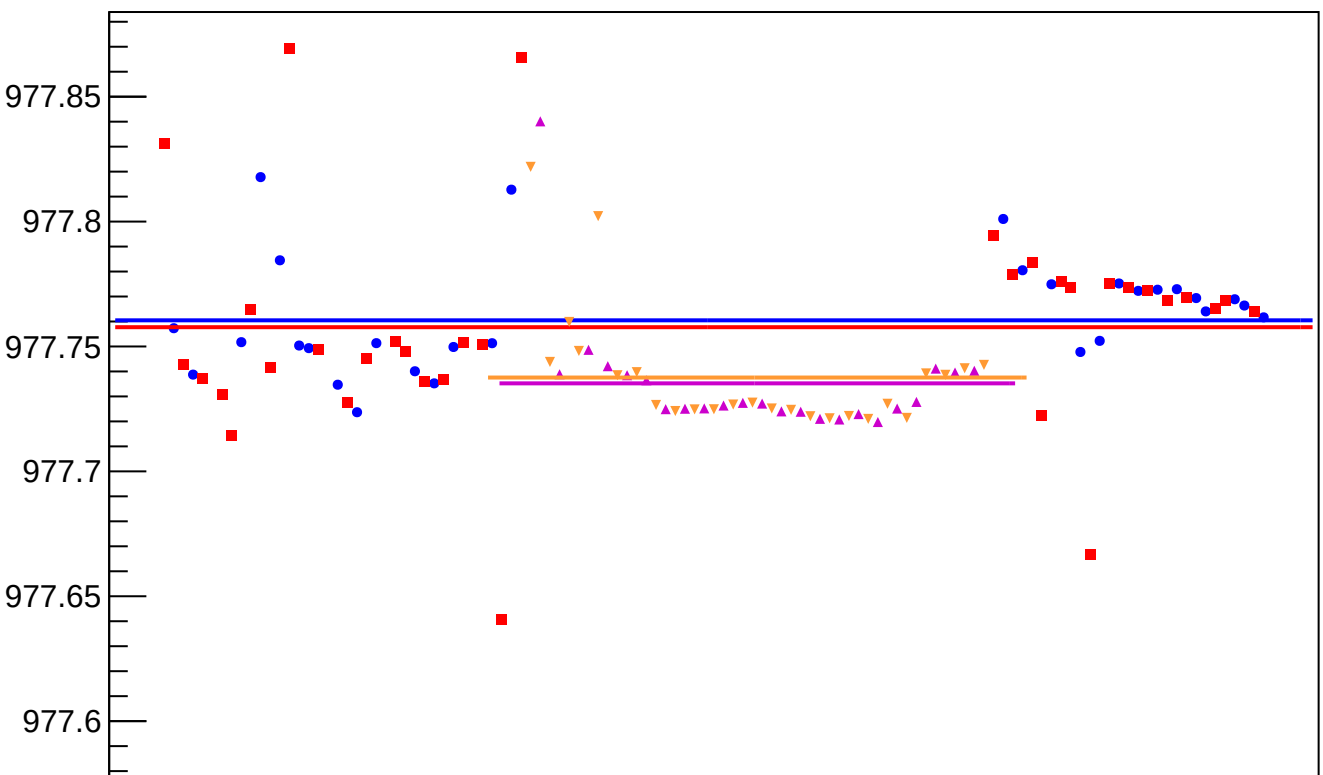
All: 760.786+/-0.000 χ^2/NDF: 7414678381730

Right Out: 755.591+/-0.000 χ^2/NDF: 7344181242626248421268235447082942464.0/33

- sign 759.013+/-0.000 χ^2/NDF: 739047253834217

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.760+/-0.000 χ^2/NDF: 22236161806118250266972504719360/29

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.758+/-0.000 χ^2/NDF: 28625731034184330264413554606080/33

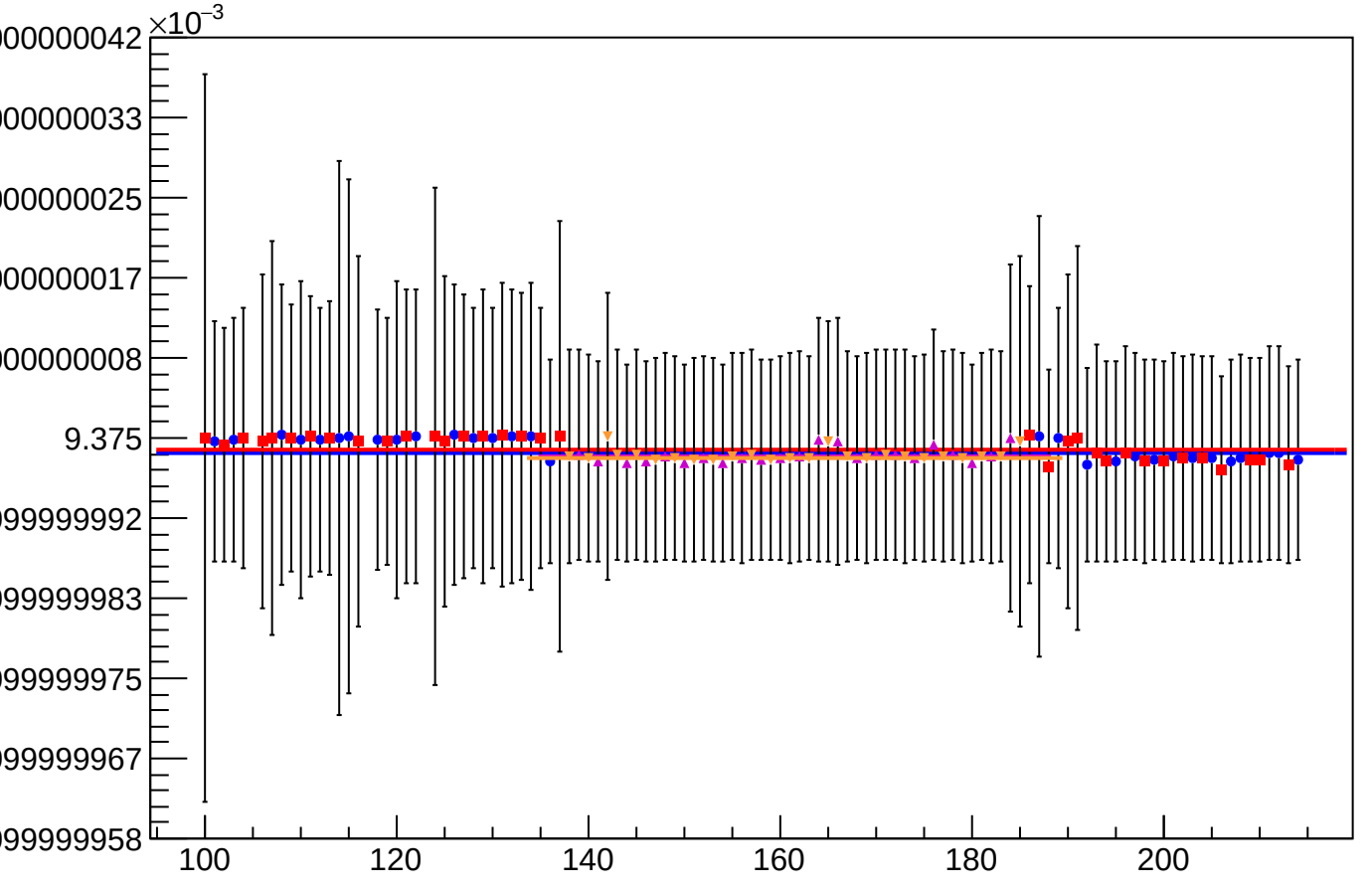
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

+ sign 977.749+/-0.000 χ^2/NDF: 391210103030198

All: 977.748+/-0.000 χ^2/NDF: 836674652510

- sign 977.747+/-0.000 χ^2/NDF: 444700536391852

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/33

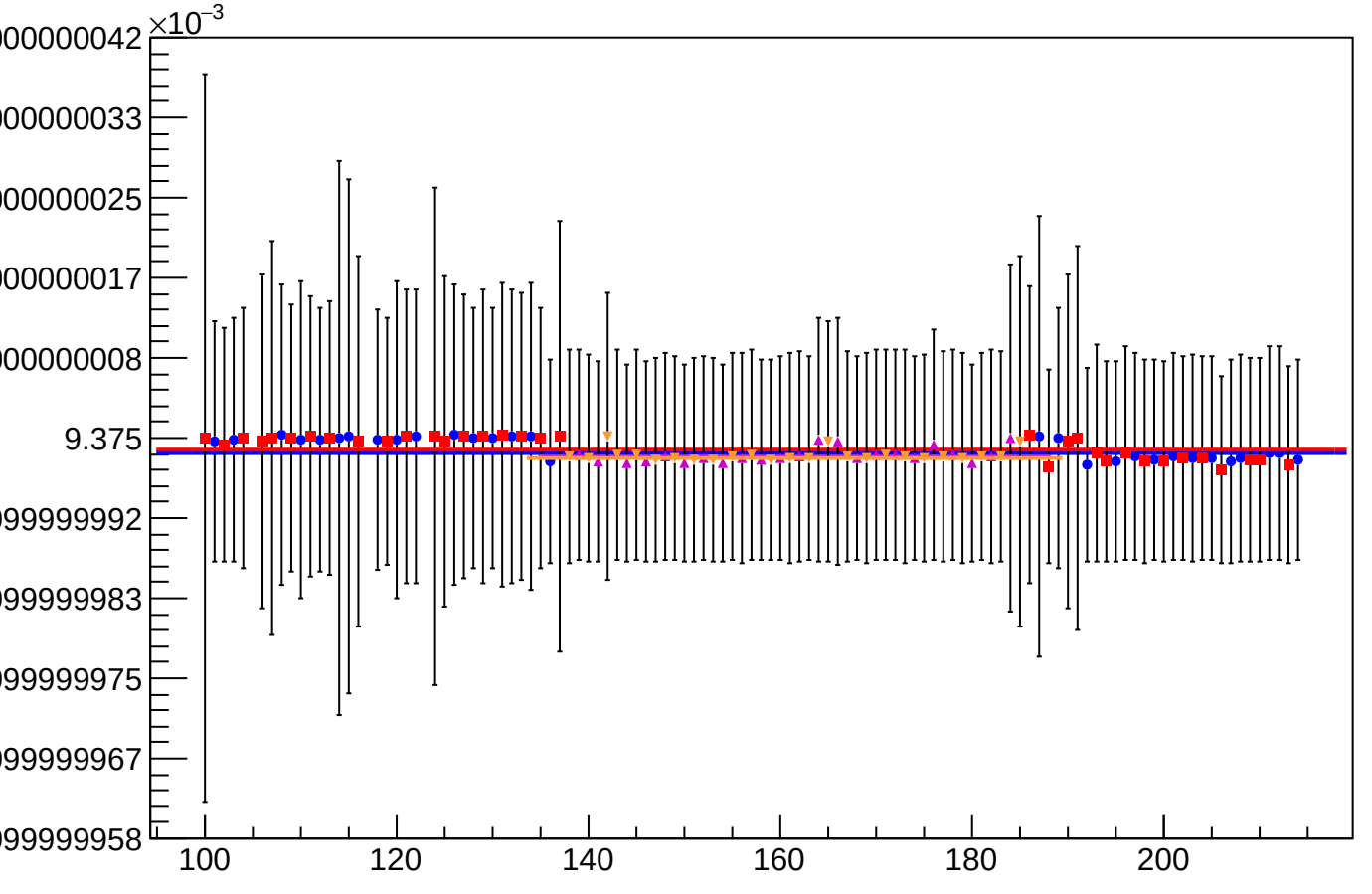
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/54

All: 0.009+/-0.000 χ^2/NDF: 1.2/111

- sign 0.009+/-0.000 χ^2/NDF: 0.4/56

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/33

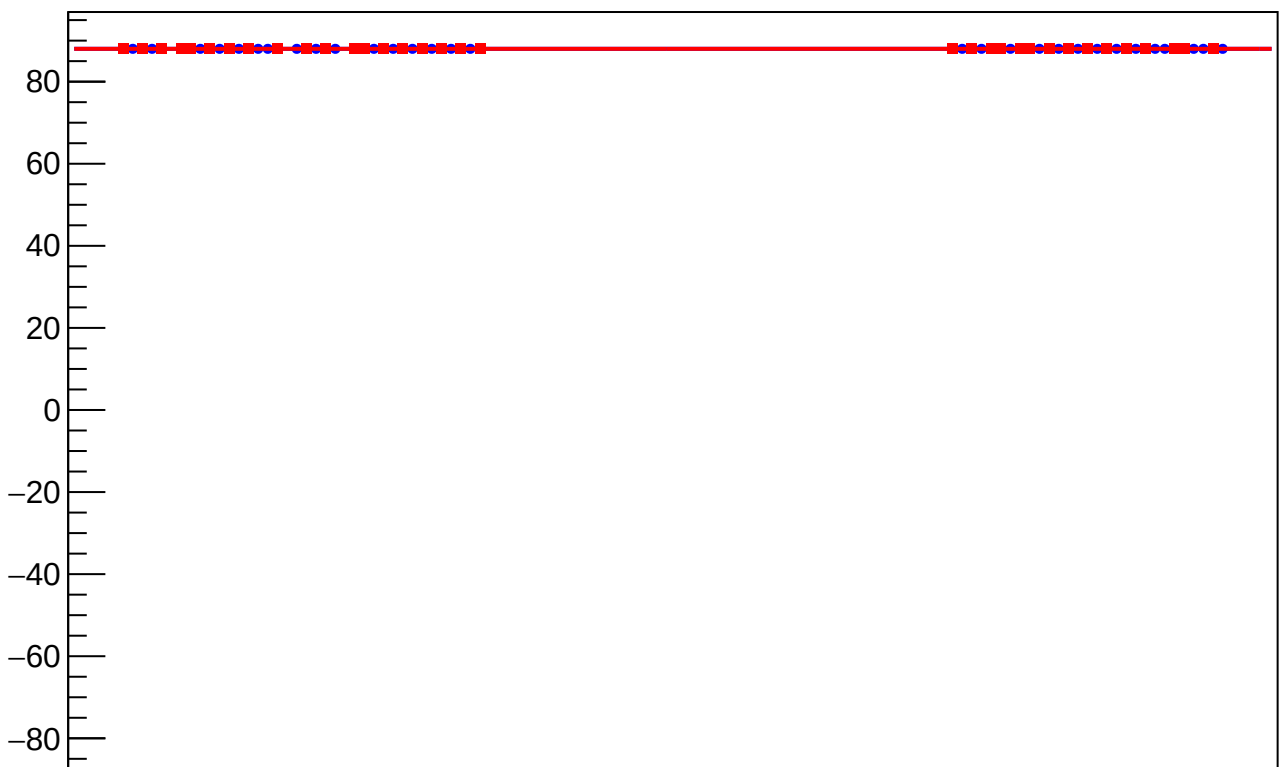
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/54

All: 0.009+/-0.000 χ^2/NDF: 1.2/111

- sign 0.009+/-0.000 χ^2/NDF: 0.4/56

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 4704993.6/29

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

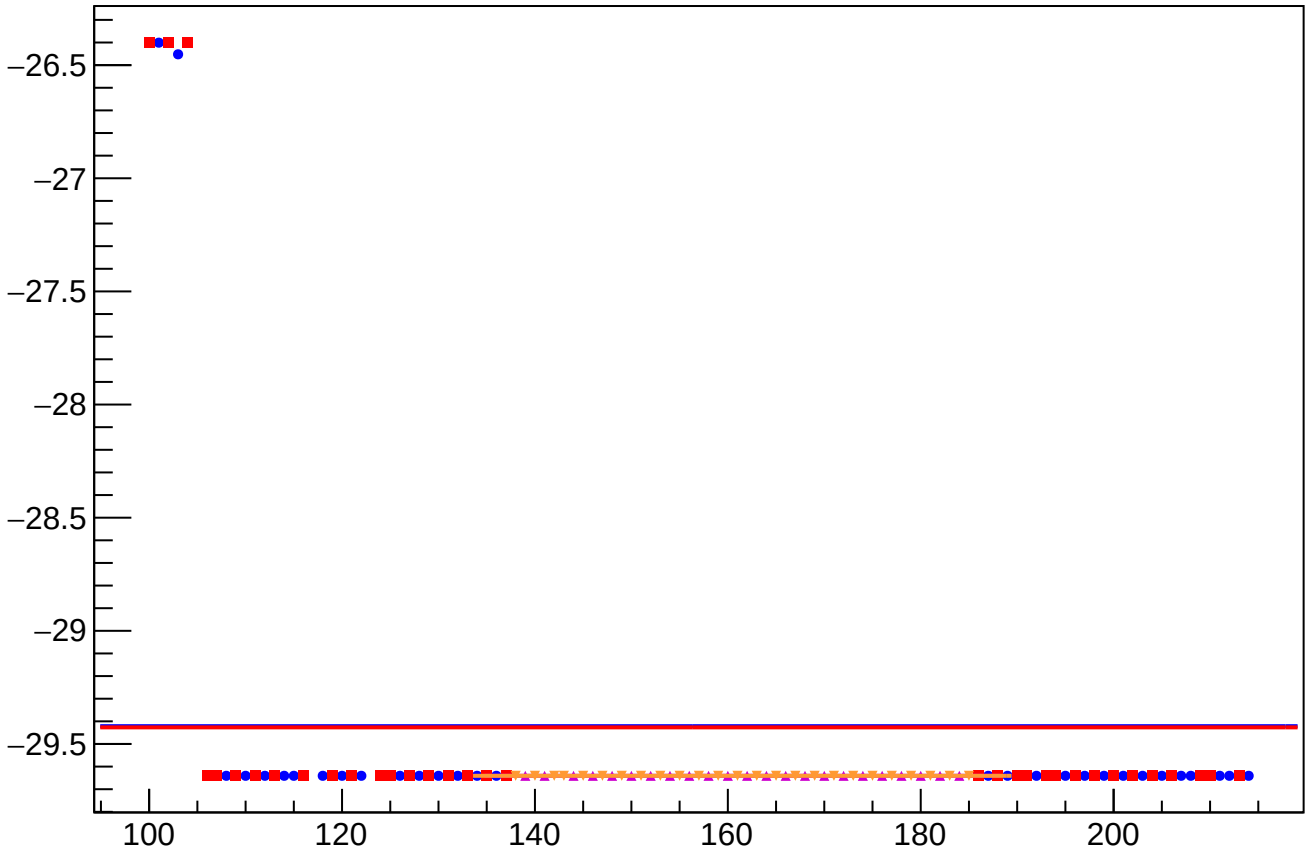
Right Out: 88.002+/-0.000 χ^2/NDF: 766253755216240358485529722880.0/33

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -4.556+/-0.000 χ^2/NDF: 3101137037321005

All: -2.393+/-0.000 χ^2/NDF: 6181731116241

- sign -0.211+/-0.000 χ^2/NDF: 3076935610696514



Right In: -29.421+/-0.000 χ^2/NDF: 123261060895522395148606312022016 0.0/29

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

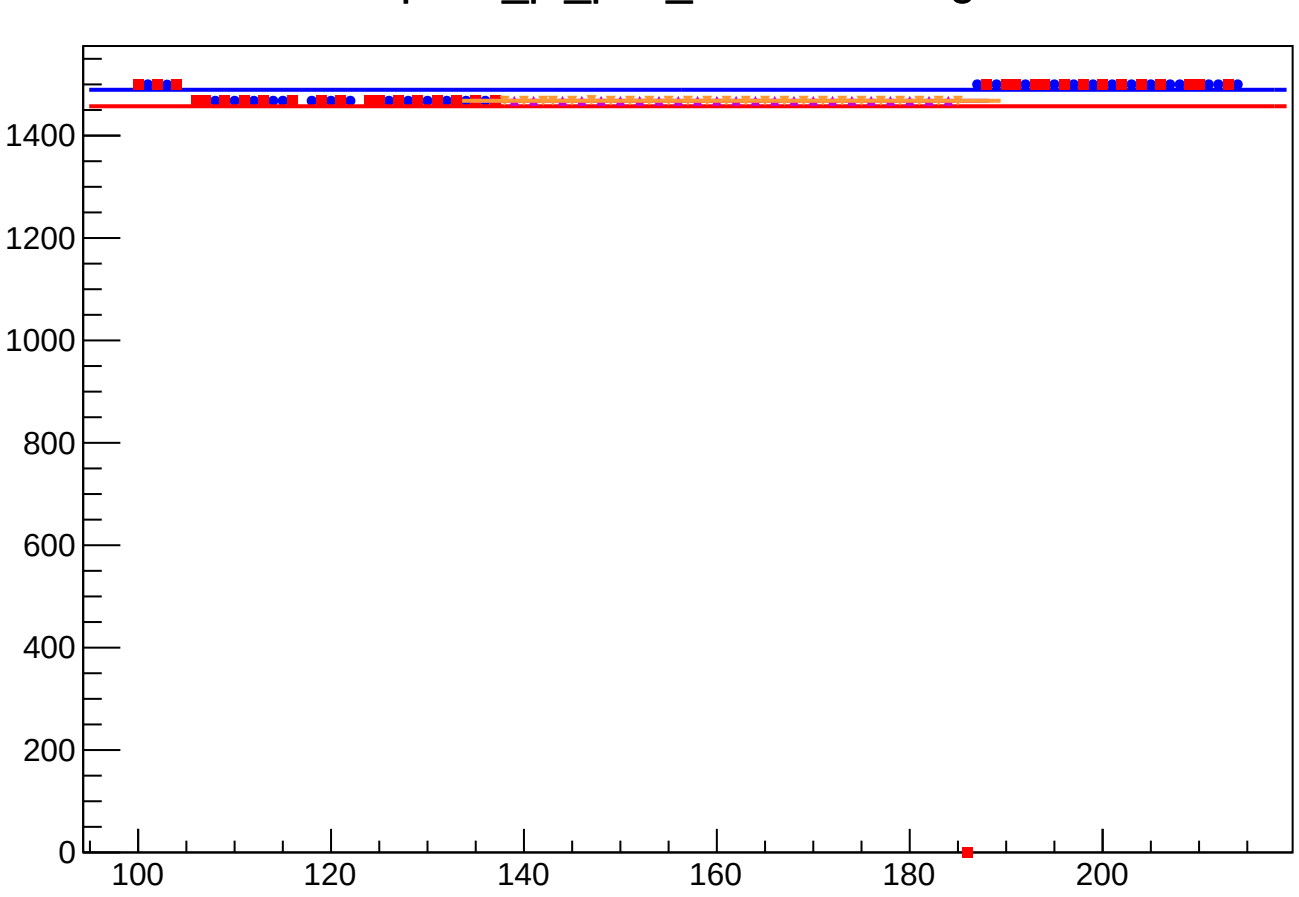
Right Out: -29.427+/-0.000 χ^2/NDF: 126474310783410160495987058016256 0.0/33

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.535+/-0.000 χ^2/NDF: 127938302918775

All: -29.534+/-0.000 χ^2/NDF: 258831856335

- sign -29.532+/-0.000 χ^2/NDF: 130892205027208



Right In: 1489.520+/-0.000 χ^2/NDF: 42251263033028906766522588247307059 2.0/29

+ sign 1478.394+/-0.000 χ^2/NDF: 8707924442561

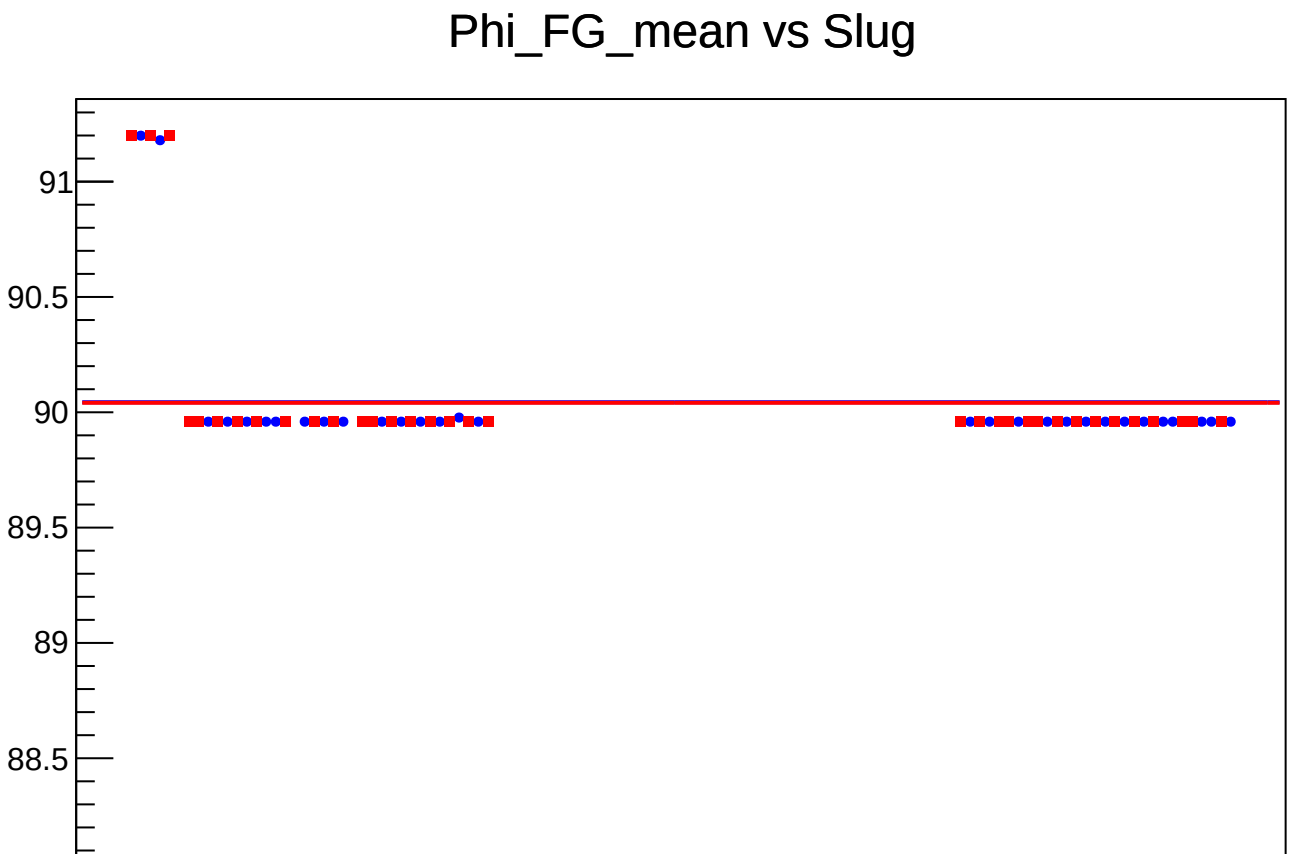
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1470.536+/-0.000 χ^2/NDF: 9305919437

Right Out: 1457.348+/-0.000 χ^2/NDF: 9159595015652996413834804785832997 6832.0/33

- sign 1462.606+/-0.000 χ^2/NDF: 91705272846782

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.044+/-0.000 χ^2/NDF: 1804379903927645894011533320519680/29

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.041+/-0.000 χ^2/NDF: 1852489142857406545983255473029120/33

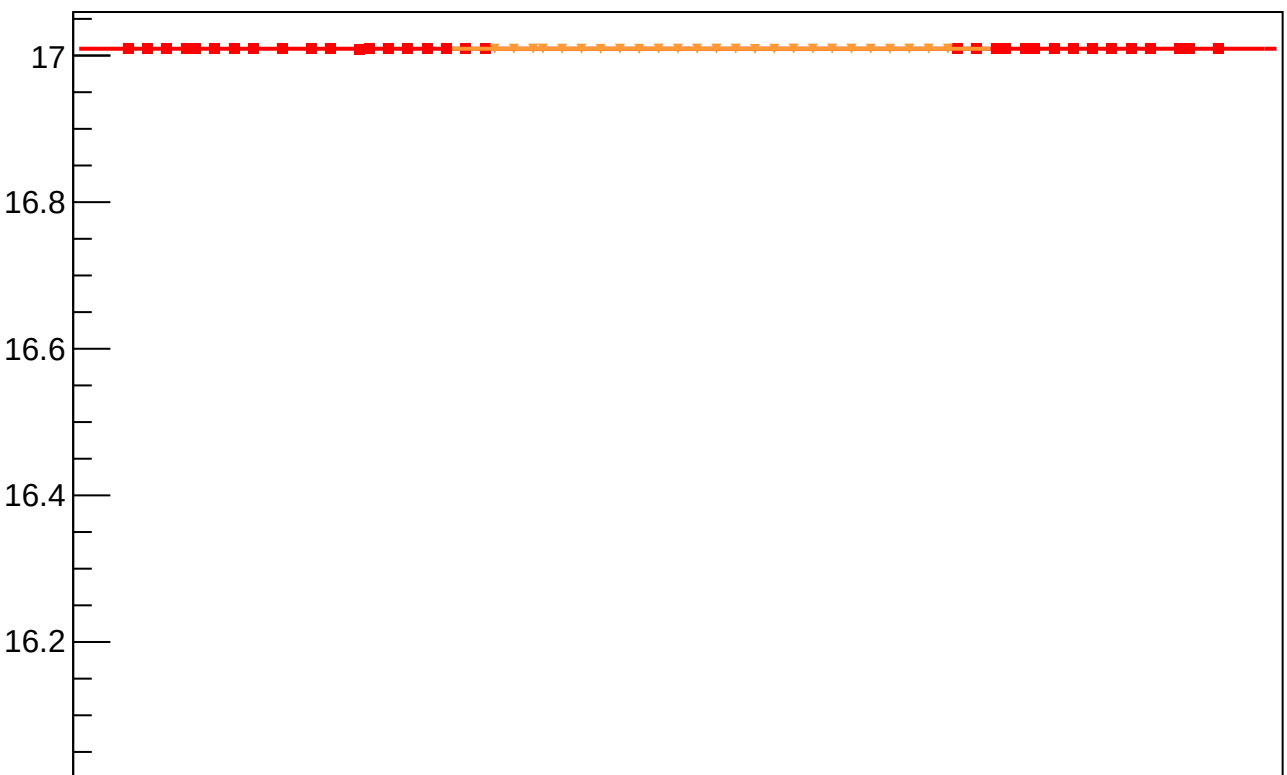
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.995+/-0.000 χ^2/NDF: 4158856130157967

All: 89.019+/-0.000 χ^2/NDF: 8286492491431

- sign 89.043+/-0.000 χ^2/NDF: 4123173826908662

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 982524285573478337216512.0/29

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 211235477509399811729653760.0/33

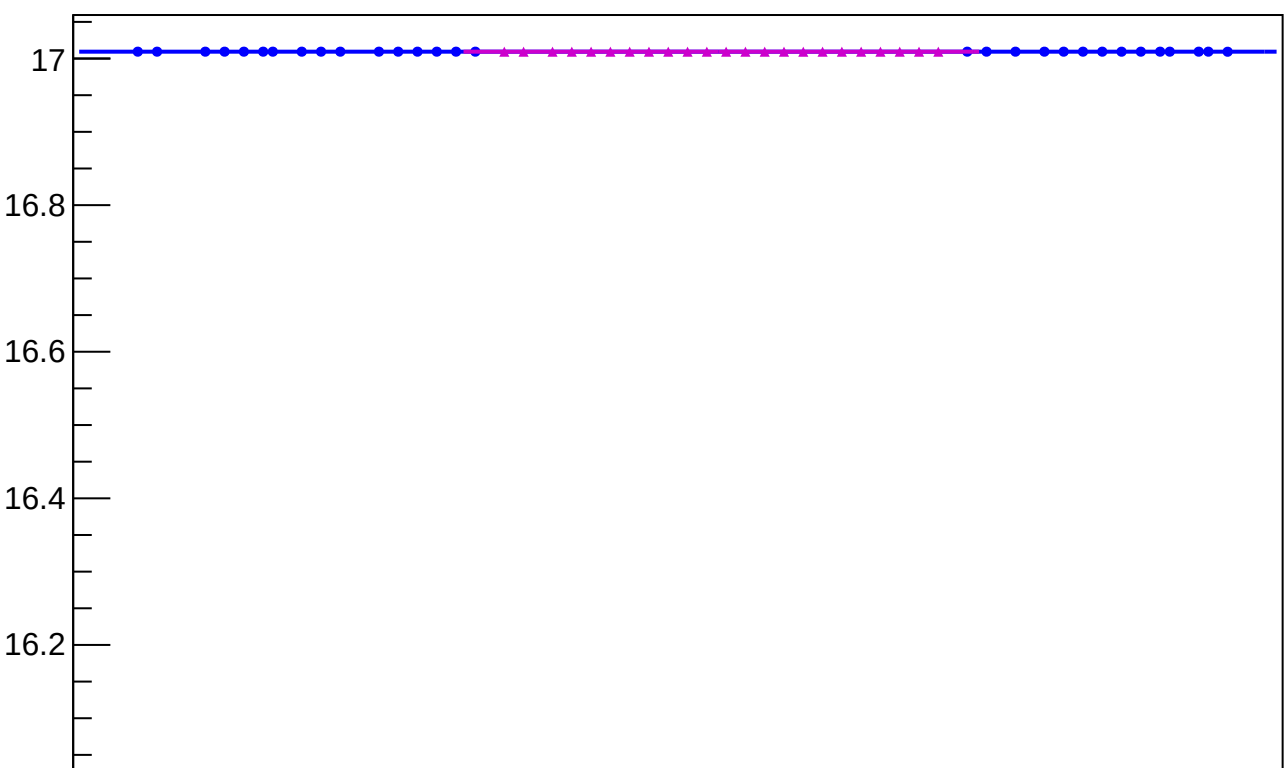
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.514+/-0.000 χ^2/NDF: 9269757836901889

All: 16.519+/-0.000 χ^2/NDF: 1839161430234

- sign 16.525+/-0.000 χ^2/NDF: 9119667685835323

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 982755168103887743746048.0/29

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 24446367637422135574528.0/33

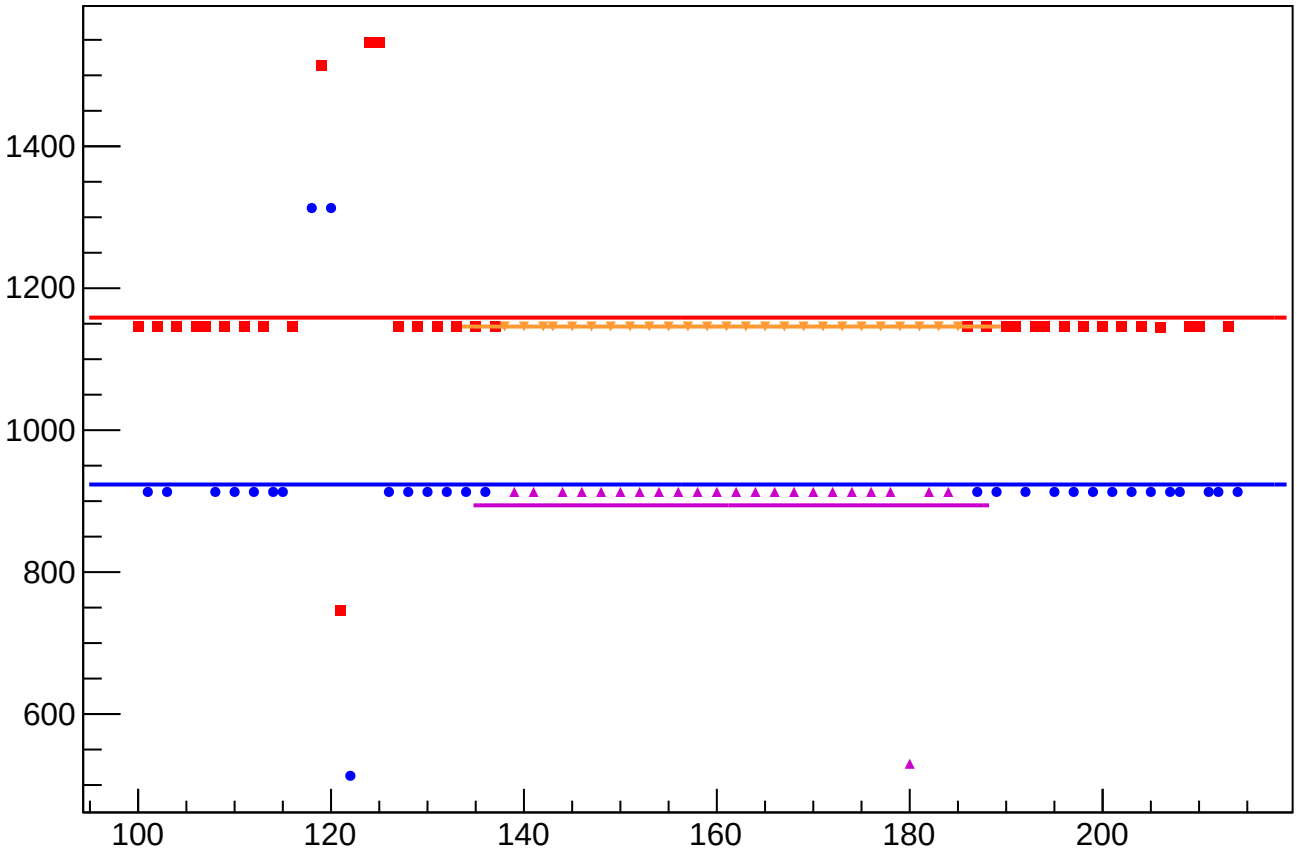
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.490+/-0.000 χ^2/NDF: 9570348923003451

All: 16.494+/-0.000 χ^2/NDF: 190888213144

- sign 16.498+/-0.000 χ^2/NDF: 9517284409998869

RTPAPOSUCNT_mean vs Slug



Right In: 923.442+/-0.000 χ^2/NDF: 213966240658637039358675984288852213760.0/29

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974720.0/24

Right Out: 1158.608+/-0.000 χ^2/NDF: 22636707417050087460710960893561667584.0/33

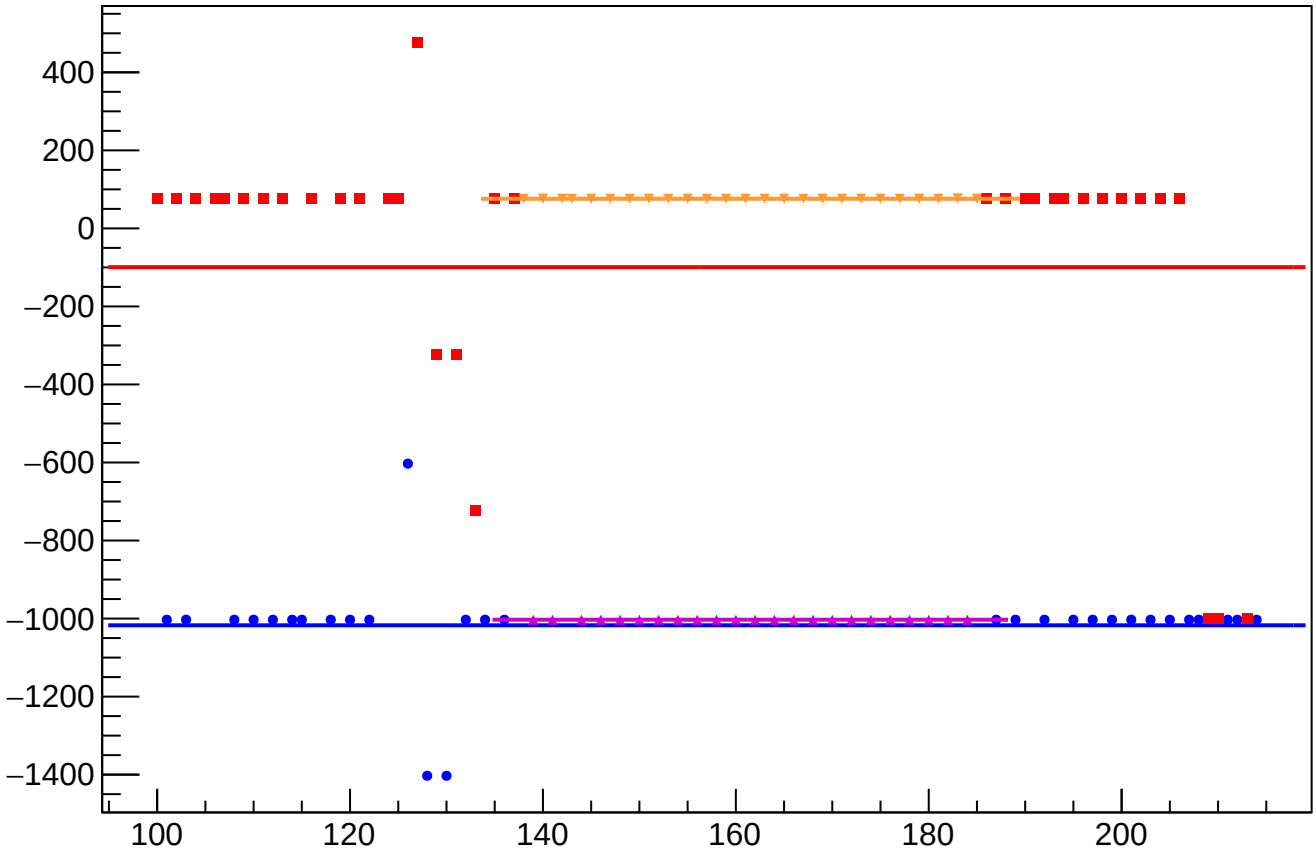
Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

+ sign 1038.789+/-0.000 χ^2/NDF: 69560532882917

All: 1033.403+/-0.000 χ^2/NDF: 1730163230

- sign 1027.968+/-0.000 χ^2/NDF: 10322883743901

RTPAPOSVCNT_mean vs Slug



Right In: -1017.274+/-0.000 χ^2/NDF: 2345683486312024523980986706751494553 6.0/29

+ sign -450.676+/-0.000 χ^2/NDF: 11855964849054

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

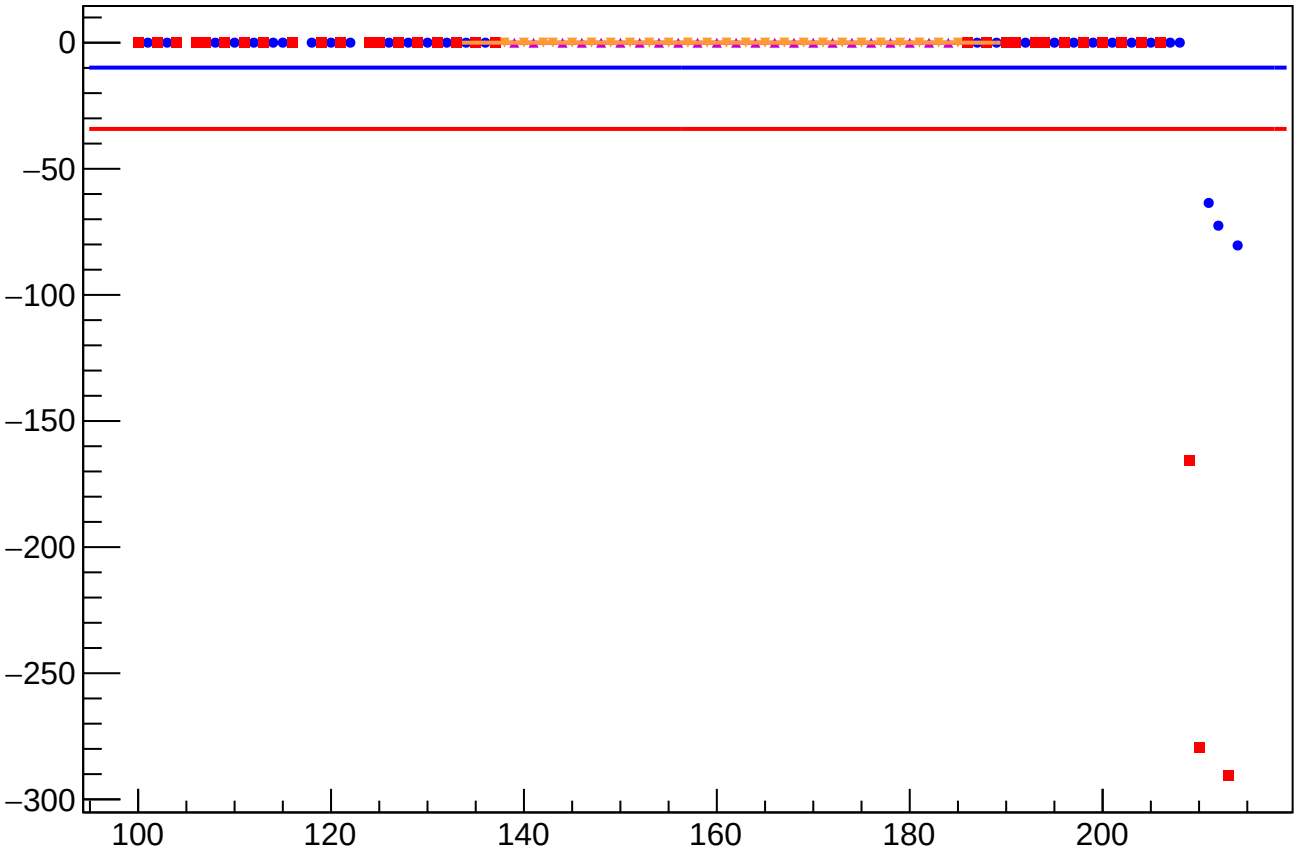
All: -497.946+/-0.000 χ^2/NDF: 2293984173 0

Right Out: -99.307+/-0.000 χ^2/NDF: 3031673959987561291438831341718900572 16.0/33

- sign -545.645+/-0.000 χ^2/NDF: 109090668244909

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -9.883+/-0.000 χ^2/NDF: 11739884828710134940519565719681105920.0/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -34.184+/-0.000 χ^2/NDF: 150286470836922686442784851455031377920.0/33

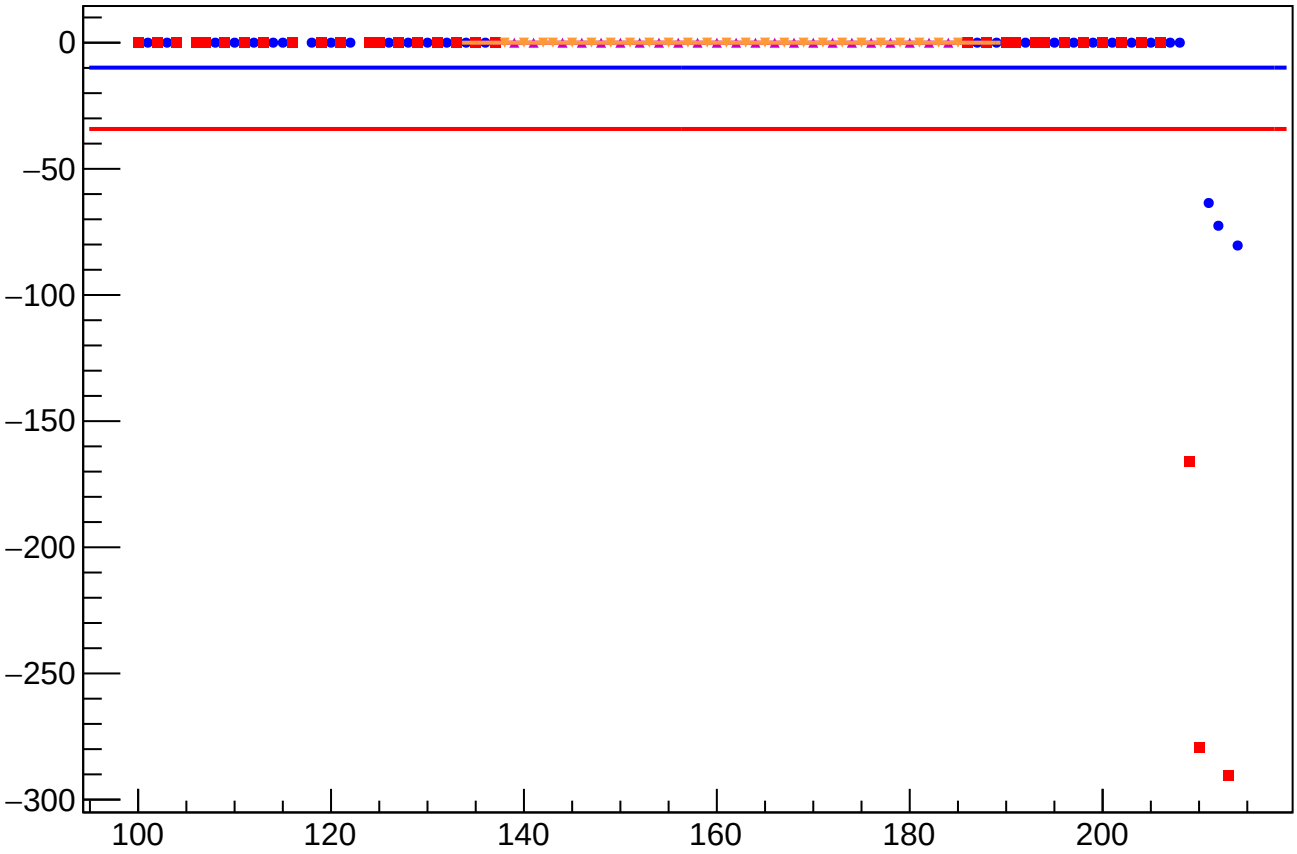
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -4.756+/-0.000 χ^2/NDF: 1269121153995363

All: -10.998+/-0.000 χ^2/NDF: 17730352412

- sign -17.296+/-0.000 χ^2/NDF: 161564730946867

RTPPITA2CNT_mean vs Slug



Right In: -9.883+/-0.000 χ^2/NDF: 11739884828710134940519565719681105920.0/29

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -34.195+/-0.000 χ^2/NDF: 150283312022977097721142618756302766080.0/33

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -4.756+/-0.000 χ^2/NDF: 1269121153995363

All: -11.000+/-0.000 χ^2/NDF: 177310061874

- sign -17.301+/-0.000 χ^2/NDF: 1615686347798636